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# ANALYTICAL REPORT

Job Number: 580-88908-1

Job Description: Swan Island Lagoon Sediment Investigatio

For:
Pacific Groundwater Group
2377 Eastlake Avenue E
Seattle, WA 98102

Attention: Ms. Inger Jackson

Approved for release.
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10/14/2019 3:00 PM

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## Qualifiers

### Dioxin

| Qualifier | Qualifier Description |
|---|---|
| B | Compound was found in the blank and sample. |
| C | The compound co-eluted with other compounds |
| C108 | The compound co-eluted with PCB-108 |
| C110 | The compound co-eluted with PCB-110 |
| C12 | The compound co-eluted with PCB-12 |
| C128 | The compound co-eluted with PCB-128 |
| C129 | The compound co-eluted with PCB-129 |
| C134 | The compound co-eluted with PCB-134 |
| C135 | The compound co-eluted with PCB-135 |
| C139 | The compound co-eluted with PCB-139 |
| C147 | The compound co-eluted with PCB-147 |
| C153 | The compound co-eluted with PCB-153 |
| C156 | The compound co-eluted with PCB-156 |
| C171 | The compound co-eluted with PCB-171 |
| C18 | The compound co-eluted with PCB-18 |
| C180 | The compound co-eluted with PCB-180 |
| C183 | The compound co-eluted with PCB-183 |
| C198 | The compound co-eluted with PCB-198 |
| C20 | The compound co-eluted with PCB-20 |
| C21 | The compound co-eluted with PCB-21 |
| C26 | The compound co-eluted with PCB-26 |
| C40 | The compound co-eluted with PCB-40 |
| C43 | The compound co-eluted with PCB-43 |
| C44 | The compound co-eluted with PCB-44 |
| C45 | The compound co-eluted with PCB-45 |
| C49 | The compound co-eluted with PCB-49 |
| C50 | The compound co-eluted with PCB-50 |
| C59 | The compound co-eluted with PCB-59 |
| C61 | The compound co-eluted with PCB-61 |
| C83 | The compound co-eluted with PCB-83 |
| C85 | The compound co-eluted with PCB-85 |
| C86 | The compound co-eluted with PCB-86 |
| C88 | The compound co-eluted with PCB-88 |
| C90 | The compound co-eluted with PCB-90 |
| C93 | The compound co-eluted with PCB-93 |
| C98 | The compound co-eluted with PCB-98 |
| G | The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| q | The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |

## Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# CASE NARRATIVE
# Client: Pacific Groundwater Group
# Project: Swan Island Lagoon Sediment Investigation
# Report Number: 580-88908-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

**RECEIPT**

The samples were received on 9/3/2019 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.3º C and 5.2º C.

**Receipt Exceptions**

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 712-82819 (580-88908-75). The container labels list the sampling date 8/28/19, while the COC lists 8/27/19 even though the ID incorporates the correct date (8/28/19). The sample is logged in per container labels.

The Client requested that we relinquish the archive container for the following samples to ARI: H3-SC1b-20to30-82819 (580-88908-1), J3-SC1b-30to40-82719 (580-88908-38) and J3-SC1b-40to50-82719 (580-88908-39). These were picked up by the ARI courier on 9/12 and a copy of the COC was attached to the job for reference.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

**POLYCHLORINATED BIPHENYLS CONGENERS (PCBS)**

**Samples J5-SC1b-20to30-82719 (580-88908-26), J5-SC1b-30to40-82719 (580-88908-27), J5-SC1b-40to50-82719 (580-88908-28), J5-SC1b-50to60-82719 (580-88908-29), J5-SC1b-60to70-82719 (580-88908-30), J5-SC1b-70to80-82719 (580-88908-31), J5-SC1b-80to90-82719 (580-88908-32), J5-SC1b-90to100-82719 (580-88908-33), J5-SC1b-100to110-82719 (580-88908-34), J5-SC1b-00to10-82719 (580-88908-35) and J5-SC1b-10to20-82719 (580-88908-36) were analyzed for polychlorinated biphenyls congeners (PCBs) in accordance with EPA Method 1668A.** The samples were prepared on 09/17/2019 and 10/03/2019 and analyzed on 09/26/2019, 10/03/2019, 10/04/2019, 10/09/2019, 10/10/2019 and 10/11/2019.

The following samples went through Gel-Permeation Cleanup procedure, based on EPA method 3640A: J5-SC1b-20to30-82719 (580-88908-26), J5-SC1b-30to40-82719 (580-88908-27), J5-SC1b-40to50-82719 (580-88908-28), J5-SC1b-50to60-82719 (580-88908-29), J5-SC1b-60to70-82719 (580-88908-30), J5-SC1b-70to80-82719 (580-88908-31), J5-SC1b-80to90-82719 (580-88908-32), J5-SC1b-90to100-82719 (580-88908-33), J5-SC1b-100to110-82719 (580-88908-34), J5-SC1b-00to10-82719 (580-88908-35), and J5-SC1b-10to20-82719 (580-88908-36).

Several analytes were detected in method blank MB 140-33628/12-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Polychlorinated biphenyls, Total was detected in method blank MB 140-34150/12-B at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes were detected in method blank MB 140-34150/12-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The Method Blank and Laboratory Control samples (LCS 140-33628/13-B) and (MB 140-33628/12-B) were analyzed at a 5-fold dilution due to matrix interferences which prevented the instrumentation from locking. The samples were re-extracted in a different batch.

One or more ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following samples: J5-SC1b-30to40-82719 (580-88908-27), J5-SC1b-40to50-82719 (580-88908-28), and J5-SC1b-70to80-82719 (580-88908-31).

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): J5-SC1b-30to40-82719 (580-88908-27), J5-SC1b-70to80-82719 (580-88908-31), and J5-SC1b-00to10-82719 (580-88908-35). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Samples J5-SC1b-20to30-82719 (580-88908-26)[5X], J5-SC1b-60to70-82719 (580-88908-30)[5X] and J5-SC1b-00to10-82719 (580-88908-35)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**PCB CONGENERS - WATER**

**Sample 711-82719 (580-88908-74) was analyzed for PCB Congeners in accordance with 1668A.** The samples was prepared on 09/16/2019 and analyzed on 09/24/2019.

The following sample went through Gel-Permeation Cleanup procedure, based on EPA method 3640A: 711-82719 (580-88908-74).

Several analytes were detected in method blank MB 140-33603/10-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

One or more ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following samples: (LCS 140-33603/11-A) and (MB 140-33603/10-A).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**PERCENT SOLIDS**

**Samples J5-SC1b-20to30-82719 (580-88908-26), J5-SC1b-30to40-82719 (580-88908-27), J5-SC1b-40to50-82719 (580-88908-28), J5-SC1b-50to60-82719 (580-88908-29), J5-SC1b-60to70-82719 (580-88908-30), J5-SC1b-70to80-82719 (580-88908-31), J5-SC1b-80to90-82719 (580-88908-32), J5-SC1b-90to100-82719 (580-88908-33), J5-SC1b-100to110-82719 (580-88908-34), J5-SC1b-00to10-82719 (580-88908-35) and J5-SC1b-10to20-82719 (580-88908-36) were analyzed for percent solids in accordance with ASTM D2216.** The samples were analyzed on 09/11/2019.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Detection Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 1.1 | | 0.050 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.12 | q | 0.050 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.54 | | 0.050 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.64 | | 0.099 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 | 0.12 | | 0.050 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.54 | | 0.050 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.13 | | 0.050 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 1.9 | | 0.099 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.17 | | 0.050 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 | 0.033 | J q | 0.050 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.047 | J B | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.18 | C | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.18 | C12 | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.59 | | 0.050 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 1.0 | | 0.050 | 0.0035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 1.6 | | 0.050 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 2.5 | C | 0.099 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.26 | | 0.050 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 4.8 | C | 0.099 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 2.1 | C | 0.099 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 1.1 | | 0.050 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 | 0.026 | J | 0.050 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.58 | | 0.050 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.98 | C | 0.099 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.18 | | 0.050 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 4.8 | C20 | 0.099 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.98 | C26 | 0.099 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 2.5 | C18 | 0.099 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 3.5 | | 0.099 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 1.3 | | 0.050 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 2.1 | C21 | 0.099 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.067 | | 0.050 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.066 | | 0.050 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.87 | | 0.050 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.095 | | 0.050 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 6.0 | C | 0.15 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 6.0 | C40 | 0.15 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 2.5 | | 0.050 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 | 0.36 | q C | 0.099 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 23 | C B | 0.15 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 5.1 | C B | 0.099 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 | 0.46 | | 0.050 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 23 | C44 B | 0.15 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 1.0 | | 0.050 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 15 | C B | 0.099 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 2.9 | C | 0.099 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 5.1 | C45 B | 0.099 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 33 | B | 0.050 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 2.9 | C50 | 0.099 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 0.35 | | 0.050 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-55 | 0.096 | | 0.050 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719 (Continued)
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-56 | 3.1 | | 0.050 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-57 | 0.064 | | 0.050 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-58 | 0.095 | | 0.050 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 0.68 | C | 0.15 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.58 | | 0.050 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 21 | C B | 0.20 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 0.68 | C59 | 0.15 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.38 | | 0.050 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 3.3 | | 0.050 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 23 | C44 B | 0.15 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 9.9 | | 0.050 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.35 | | 0.050 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.49 | | 0.050 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 15 | C49 B | 0.099 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 21 | C61 B | 0.20 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 6.0 | C40 | 0.15 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 0.78 | | 0.050 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 | 0.36 | q C43 | 0.099 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 21 | C61 B | 0.20 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 0.68 | C59 | 0.15 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 21 | C61 B | 0.20 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 0.47 | | 0.050 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.57 | | 0.050 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-80 | 0.071 | | 0.050 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-81 | 0.047 | J q | 0.050 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 3.9 | | 0.050 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 34 | C | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 11 | B | 0.050 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 5.7 | C B | 0.15 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 26 | C | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 26 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 8.9 | C | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 | 0.25 | | 0.050 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 53 | C B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 8.9 | C88 | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 15 | | 0.050 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 2.4 | C | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 0.84 | | 0.050 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 41 | | 0.050 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 0.56 | | 0.050 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 26 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 3.1 | C | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 34 | C83 | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 2.4 | C93 | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 53 | C90 B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 3.1 | C98 | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 2.5 | | 0.050 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-104 | 0.087 | | 0.050 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 11 | | 0.050 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 3.3 | | 0.050 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 1.2 | C | 0.099 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719 (Continued)
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-109 | 26 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 47 | C | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-111 | 0.24 | | 0.050 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 53 | C90 B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.67 | | 0.050 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 47 | C110 | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 5.7 | C85 B | 0.15 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 5.7 | C85 B | 0.15 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 31 | B | 0.050 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 26 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.83 | | 0.050 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-121 | 0.10 | | 0.050 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.39 | | 0.050 | 0.040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.40 | | 0.050 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 1.2 | C108 | 0.099 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 26 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 | 0.038 | J q | 0.050 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-127 | 0.086 | | 0.050 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 6.6 | C B | 0.099 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 47 | C B | 0.20 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 3.5 | | 0.050 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.63 | | 0.050 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 18 | | 0.050 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 2.0 | | 0.050 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 3.5 | C | 0.099 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 27 | C B | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 11 | B | 0.050 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 1.8 | | 0.050 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 47 | C129 B | 0.20 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 1.6 | C | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 1.6 | C139 | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 7.8 | | 0.050 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-142 | 0.024 | J q | 0.050 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 3.5 | C134 | 0.099 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 2.2 | | 0.050 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 | 0.067 | | 0.050 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 16 | B | 0.050 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 53 | C B | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.74 | | 0.050 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 53 | C147 B | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.70 | | 0.050 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 27 | C135 B | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.13 | | 0.050 | 0.00091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 47 | C B | 0.099 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 4.1 | | 0.050 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-155 | 0.031 | J | 0.050 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 5.0 | C | 0.099 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 5.0 | C156 | 0.099 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 4.2 | | 0.050 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.58 | | 0.050 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 47 | C129 B | 0.20 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719 (Continued)
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-161 | 0.016 | J q | 0.050 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.13 | | 0.050 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 47 | C129 B | 0.20 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 3.7 | | 0.050 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-165 | 0.11 | | 0.050 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 6.6 | C128 B | 0.099 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 1.5 | | 0.050 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 47 | C153 B | 0.099 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-169 | 0.085 | | 0.050 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 12 | B | 0.050 | 0.00084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 4.2 | C | 0.099 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 2.3 | | 0.050 | 0.00083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 4.2 | C171 | 0.099 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 14 | B | 0.050 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.58 | | 0.050 | 0.00077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 1.9 | | 0.050 | 0.00054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 9.8 | B | 0.050 | 0.00088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 3.7 | | 0.050 | 0.00081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 7.8 | | 0.050 | 0.00058 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 29 | C B | 0.099 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.14 | | 0.050 | 0.00075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.24 | | 0.050 | 0.00072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 9.1 | C B | 0.099 | 0.00073 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-184 | 0.021 | J | 0.050 | 0.00058 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 9.1 | C183 B | 0.099 | 0.00073 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 20 | B | 0.050 | 0.00074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-188 | 0.11 | | 0.050 | 0.00054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.46 | | 0.050 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 2.6 | B | 0.050 | 0.00060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.58 | | 0.050 | 0.00060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 29 | C180 B | 0.099 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 6.6 | | 0.050 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 3.0 | | 0.050 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 3.5 | | 0.050 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.25 | q | 0.050 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 7.6 | C B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 7.6 | C198 B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.98 | | 0.050 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.96 | | 0.050 | 0.00093 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 1.5 | | 0.050 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 4.4 | | 0.050 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.34 | | 0.050 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 2.6 | | 0.050 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.33 | | 0.050 | 0.0062 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.62 | | 0.050 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 1.2 | | 0.050 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 1.8 | q | 0.050 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 4.4 | q B | 0.099 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 21 | | 0.099 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 130 | q B | 0.20 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 300 | q B | 0.30 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719 (Continued)
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Hexachlorobiphenyls | 270 | q B | 0.20 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 120 | B | 0.099 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 29 | q B | 0.099 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 3.6 | | 0.050 | 0.0071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 890 | q B | 0.30 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 0.83 | | 0.049 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.082 | | 0.049 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.36 | | 0.049 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.58 | | 0.099 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.044 | J | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.43 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.10 | | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 1.6 | | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.14 | | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.036 | J | 0.049 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.036 | J q B | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.16 | C | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.16 | C12 | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.56 | | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 1.2 | | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 1.8 | B | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 2.8 | C B | 0.099 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.25 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 4.8 | C B | 0.099 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 2.1 | C B | 0.099 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 1.1 | B | 0.049 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.032 | J | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.54 | | 0.049 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.94 | C B | 0.099 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.22 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 4.8 | C20 B | 0.099 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.94 | C26 B | 0.099 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 2.8 | C18 B | 0.099 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 3.5 | B | 0.099 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 1.3 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 2.1 | C21 B | 0.099 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.064 | | 0.049 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.064 | | 0.049 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.90 | B | 0.049 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.084 | | 0.049 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 5.7 | C | 0.15 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 5.7 | C40 | 0.15 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 2.4 | | 0.049 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.36 | q C | 0.099 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 21 | C B | 0.15 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 4.4 | C B | 0.099 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.45 | | 0.049 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 21 | C44 B | 0.15 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 1.0 | | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 14 | C B | 0.099 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 2.6 | C | 0.099 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719 (Continued)
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-51 - RE | 4.4 | C45 B | 0.099 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 30 | B | 0.049 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 2.6 | C50 | 0.099 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.31 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 3.0 | | 0.049 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-58 - RE | 0.097 | | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.66 | C | 0.15 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.58 | | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 19 | C B | 0.20 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 0.66 | C59 | 0.15 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.36 | | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 3.2 | | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 21 | C44 B | 0.15 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 9.2 | B | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 - RE | 0.051 | | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.51 | B | 0.049 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 14 | C49 B | 0.099 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 19 | C61 B | 0.20 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 5.7 | C40 | 0.15 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.84 | | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.36 | q C43 | 0.099 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 19 | C61 B | 0.20 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 0.66 | C59 | 0.15 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 19 | C61 B | 0.20 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 0.52 | | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.50 | | 0.049 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-81 - RE | 0.021 | J | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 3.6 | B | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 33 | C B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 9.4 | B | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 5.3 | C | 0.15 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 25 | C B | 0.30 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 25 | C86 B | 0.30 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 8.2 | C B | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 48 | C B | 0.15 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 8.2 | C88 B | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 14 | B | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 2.2 | C | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 - RE | 0.81 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 37 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.48 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 25 | C86 B | 0.30 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 2.7 | C | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 33 | C83 B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 2.2 | C93 | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 48 | C90 B | 0.15 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 2.7 | C98 | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 2.6 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 9.6 | B | 0.049 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 3.2 | B | 0.049 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 1.1 | C | 0.099 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719 (Continued)
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-109 - RE | 25 | C86 B | 0.30 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 43 | C B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-111 - RE | 0.26 | | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 48 | C90 B | 0.15 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.52 | | 0.049 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 43 | C110 B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 5.3 | C85 | 0.15 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 5.3 | C85 | 0.15 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 28 | B | 0.049 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 25 | C86 B | 0.30 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.95 | | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.35 | B | 0.049 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.35 | | 0.049 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 1.1 | C108 | 0.099 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 25 | C86 B | 0.30 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.053 | | 0.049 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-127 - RE | 0.061 | | 0.049 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 6.1 | C B | 0.099 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 46 | C B | 0.20 | 0.0079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 3.5 | B | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.60 | | 0.049 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 18 | B | 0.049 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 2.2 | | 0.049 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 3.5 | C | 0.099 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 31 | C B | 0.099 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 11 | B | 0.049 | 0.00076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 1.6 | | 0.049 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 46 | C129 B | 0.20 | 0.0079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 1.7 | C | 0.099 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 1.7 | C139 | 0.099 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 7.7 | B | 0.049 | 0.0089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 3.5 | C134 | 0.099 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 2.4 | | 0.049 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.044 | J | 0.049 | 0.00074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 17 | B | 0.049 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 57 | C B | 0.099 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.90 | | 0.049 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 57 | C147 B | 0.099 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.77 | | 0.049 | 0.00071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 31 | C135 B | 0.099 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.11 | | 0.049 | 0.00070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 49 | C B | 0.099 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 5.2 | | 0.049 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-155 - RE | 0.035 | J | 0.049 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 4.8 | C B | 0.099 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 4.8 | C156 B | 0.099 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 4.1 | B | 0.049 | 0.0062 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.49 | | 0.049 | 0.0065 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 46 | C129 B | 0.20 | 0.0079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 46 | C129 B | 0.20 | 0.0079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 3.6 | B | 0.049 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719 (Continued)
## Lab Sample ID: 580-88908-26

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-166 - RE | 6.1 | C128 B | 0.099 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 1.4 | B | 0.049 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 49 | C153 B | 0.099 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 13 | B | 0.049 | 0.00082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 4.8 | C B | 0.099 | 0.00079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 2.5 | B | 0.049 | 0.00077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 4.8 | C171 B | 0.099 | 0.00079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 16 | B | 0.049 | 0.00080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.68 | | 0.049 | 0.00071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 2.2 | B | 0.049 | 0.00050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 11 | B | 0.049 | 0.00081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 4.3 | B | 0.049 | 0.00074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 8.9 | B | 0.049 | 0.00054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 30 | C B | 0.099 | 0.00062 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.26 | | 0.049 | 0.00066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 10 | C B | 0.099 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 10 | C183 B | 0.099 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 23 | B | 0.049 | 0.00069 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-188 - RE | 0.12 | | 0.049 | 0.00048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.49 | B | 0.049 | 0.0062 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 2.8 | B | 0.049 | 0.00055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.62 | | 0.049 | 0.00055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 30 | C180 B | 0.099 | 0.00062 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 6.7 | B | 0.049 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 3.0 | B | 0.049 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 3.6 | B | 0.049 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.29 | B | 0.049 | 0.00071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 7.4 | C B | 0.099 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 7.4 | C198 B | 0.099 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.92 | | 0.049 | 0.00076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.99 | B | 0.049 | 0.00072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 1.5 | B | 0.049 | 0.00081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 4.5 | | 0.049 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.34 | | 0.049 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 2.5 | | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.31 | | 0.049 | 0.0075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.61 | | 0.049 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 1.2 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 1.3 | | 0.049 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 3.7 | q B | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 22 | B | 0.099 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 120 | q B | 0.20 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 280 | B | 0.30 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 280 | B | 0.20 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 130 | B | 0.099 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 29 | B | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 3.4 | | 0.049 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 870 | q B | 0.30 | 0.0069 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.10 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.025 | J | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.059 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.15 | | 0.097 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 | 0.0080 | J | 0.049 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.13 | | 0.049 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.026 | J | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 0.41 | | 0.097 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.025 | J | 0.049 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 | 0.0078 | J | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.052 | J B | 0.097 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.051 | J C | 0.097 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.051 | J C12 | 0.097 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.22 | | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.54 | | 0.049 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 0.87 | | 0.049 | 0.0036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 1.4 | C | 0.097 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.12 | | 0.049 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 2.4 | C | 0.097 | 0.0090 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 0.99 | C | 0.097 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.59 | | 0.049 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 | 0.015 | J | 0.049 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.20 | | 0.049 | 0.0087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.32 | C | 0.097 | 0.0089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.093 | | 0.049 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 2.4 | C20 | 0.097 | 0.0090 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.32 | C26 | 0.097 | 0.0089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 1.4 | C18 | 0.097 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 1.8 | | 0.097 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 0.48 | | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 0.99 | C21 | 0.097 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.035 | J | 0.049 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.037 | J | 0.049 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.51 | | 0.049 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.040 | J | 0.049 | 0.0084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 2.0 | C | 0.15 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 2.0 | C40 | 0.15 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 | 0.088 | J C | 0.097 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 4.7 | C B | 0.15 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 0.84 | C B | 0.097 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 | 0.20 | | 0.049 | 0.0072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 4.7 | C44 B | 0.15 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 0.63 | | 0.049 | 0.0057 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 3.6 | C B | 0.097 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 0.59 | C | 0.097 | 0.0058 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 0.84 | C45 B | 0.097 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 6.1 | B | 0.049 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 0.59 | C50 | 0.097 | 0.0058 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 0.049 | | 0.049 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-55 | 0.027 | J | 0.049 | 0.0042 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 1.6 | | 0.049 | 0.0043 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-30to40-82719 (Continued)
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-57 | 0.013 | J | 0.049 | 0.0042 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-58 | 0.048 | J | 0.049 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 0.31 | C | 0.15 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.27 | | 0.049 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 6.8 | C B | 0.19 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 0.31 | C59 | 0.15 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.16 | | 0.049 | 0.0037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 1.4 | | 0.049 | 0.0038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 4.7 | C44 B | 0.15 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 4.2 | | 0.049 | 0.0042 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.088 | q | 0.049 | 0.0039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.098 | | 0.049 | 0.0037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 3.6 | C49 B | 0.097 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 6.8 | C61 B | 0.19 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 2.0 | C40 | 0.15 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 0.22 | | 0.049 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 | 0.088 | J C43 | 0.097 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 6.8 | C61 B | 0.19 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 0.31 | C59 | 0.15 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 6.8 | C61 B | 0.19 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 0.27 | | 0.049 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.14 | | 0.049 | 0.0035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 0.87 | | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 7.2 | C | 0.097 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 2.3 | B | 0.049 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 1.3 | C B | 0.15 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 4.9 | C | 0.29 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 1.8 | C | 0.097 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 | 0.094 | | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 11 | C B | 0.15 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 1.8 | C88 | 0.097 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 2.6 | | 0.049 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.29 | C | 0.097 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 0.086 | | 0.049 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 8.0 | | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 0.080 | | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 0.52 | C | 0.097 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 7.2 | C83 | 0.097 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.29 | C93 | 0.097 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 11 | C90 B | 0.15 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 0.52 | C98 | 0.097 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 0.37 | | 0.049 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 1.6 | | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 0.72 | | 0.049 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 0.19 | C | 0.097 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 9.9 | C | 0.097 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 11 | C90 B | 0.15 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.082 | | 0.049 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-30to40-82719 (Continued)
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-115 | 9.9 | C110 | 0.097 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 1.3 | C85 B | 0.15 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 1.3 | C85 B | 0.15 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 6.0 | B | 0.049 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.17 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.082 | | 0.049 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.070 | | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 0.19 | C108 | 0.097 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 | 0.019 | J | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 1.2 | C B | 0.097 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 9.9 | C B | 0.19 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 0.83 | | 0.049 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.11 | | 0.049 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 3.6 | | 0.049 | 0.0078 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 0.33 | | 0.049 | 0.0075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 0.59 | C | 0.097 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 4.6 | C B | 0.097 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 1.8 | B | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 0.28 | | 0.049 | 0.0065 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 9.9 | C129 B | 0.19 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 0.23 | C | 0.097 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 0.23 | C139 | 0.097 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 1.6 | | 0.049 | 0.0071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 0.59 | C134 | 0.097 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 0.45 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 | 0.0040 | J | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 2.9 | B | 0.049 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 11 | C B | 0.097 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.077 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 11 | C147 B | 0.097 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.084 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 4.6 | C135 B | 0.097 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.010 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 11 | C B | 0.097 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 0.51 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 0.83 | C | 0.097 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 0.83 | C156 | 0.097 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 0.70 | | 0.049 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.17 | | 0.049 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 9.9 | C129 B | 0.19 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 9.9 | C129 B | 0.19 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 0.79 | | 0.049 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 1.2 | C128 B | 0.097 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 0.28 | | 0.049 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 11 | C153 B | 0.097 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 3.4 | B | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 1.1 | C | 0.097 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 0.64 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 1.1 | C171 | 0.097 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-30to40-82719 (Continued)
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | 4.4 | B | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.17 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 0.50 | | 0.049 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 2.6 | B | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 0.92 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 2.0 | | 0.049 | 0.00093 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 7.8 | C B | 0.097 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.044 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 2.6 | C B | 0.097 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 2.6 | C183 B | 0.097 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 5.3 | B | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.11 | | 0.049 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 0.64 | B | 0.049 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.14 | | 0.049 | 0.00095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 7.8 | C180 B | 0.097 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 2.0 | | 0.049 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 0.86 | | 0.049 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 1.0 | | 0.049 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.066 | q | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 2.4 | C B | 0.097 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 2.4 | C198 B | 0.097 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.31 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.30 | | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 0.48 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 1.3 | | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.094 | | 0.049 | 0.0090 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 1.1 | q | 0.049 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.11 | | 0.049 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.22 | | 0.049 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 0.83 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 0.18 | | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 1.1 | q B | 0.097 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 10 | q | 0.097 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 34 | q B | 0.19 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 60 | B | 0.29 | 0.0051 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 54 | q B | 0.19 | 0.0050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 32 | q B | 0.097 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 8.8 | q B | 0.097 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 1.4 | q | 0.049 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 200 | q B | 0.29 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 0.12 | | 0.0099 | 0.00097 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.025 | | 0.0099 | 0.00098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.076 | | 0.0099 | 0.00099 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.18 | | 0.020 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.012 | | 0.0099 | 0.00066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.15 | | 0.0099 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.031 | | 0.0099 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 0.51 | | 0.020 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.040 | | 0.0099 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.011 | | 0.0099 | 0.00070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.058 | B | 0.020 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-30to40-82719 (Continued)
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-12 - RE | 0.062 | C | 0.020 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.062 | C12 | 0.020 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.29 | | 0.0099 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.60 | | 0.0099 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 0.84 | B | 0.0099 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 1.4 | C B | 0.020 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.11 | | 0.0099 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 2.8 | C B | 0.020 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 1.1 | C B | 0.020 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.71 | G B | 0.014 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.018 | | 0.0099 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.23 | G | 0.013 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.38 | C B | 0.020 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.10 | | 0.0099 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 2.8 | C20 B | 0.020 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.38 | C26 B | 0.020 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 1.4 | C18 B | 0.020 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 2.0 | B | 0.020 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 0.47 | | 0.0099 | 0.00035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 1.1 | C21 B | 0.020 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.043 | G | 0.014 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.044 | G | 0.014 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.63 | G B | 0.014 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.040 | G | 0.013 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 2.3 | C | 0.030 | 0.0044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 2.3 | C40 | 0.030 | 0.0044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 1.4 | | 0.0099 | 0.0046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.16 | C | 0.020 | 0.0040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 5.8 | C B | 0.030 | 0.0039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 1.1 | C B | 0.020 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.23 | | 0.0099 | 0.0053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 5.8 | C44 B | 0.030 | 0.0039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 0.74 | | 0.0099 | 0.0043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 4.1 | C B | 0.020 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 0.73 | C | 0.020 | 0.0043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-51 - RE | 1.1 | C45 B | 0.020 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 7.2 | B | 0.0099 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 0.73 | C50 | 0.020 | 0.0043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.056 | | 0.0099 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-55 - RE | 0.033 | | 0.0099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 1.8 | | 0.0099 | 0.0032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-57 - RE | 0.011 | q | 0.0099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-58 - RE | 0.059 | | 0.0099 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.38 | C | 0.030 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.33 | | 0.0099 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 7.7 | C B | 0.039 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 0.38 | C59 | 0.030 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.19 | | 0.0099 | 0.0027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 1.6 | | 0.0099 | 0.0028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 5.8 | C44 B | 0.030 | 0.0039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 4.7 | B | 0.0099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-30to40-82719 (Continued)
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-67 - RE | 0.11 | | 0.0099 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.12 | B | 0.0099 | 0.0027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 4.1 | C49 B | 0.020 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 7.7 | C61 B | 0.039 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 2.3 | C40 | 0.030 | 0.0044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.22 | | 0.0099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.16 | C43 | 0.020 | 0.0040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 7.7 | C61 B | 0.039 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 0.38 | C59 | 0.030 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 7.7 | C61 B | 0.039 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 0.32 | | 0.0099 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.11 | | 0.0099 | 0.0026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-81 - RE | 0.0082 | J | 0.0099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 0.76 | B | 0.0099 | 0.00083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 6.3 | C B | 0.020 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 2.3 | B | 0.0099 | 0.00084 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 1.1 | C | 0.030 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 4.6 | C B | 0.059 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 4.6 | C86 B | 0.059 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 1.7 | C B | 0.020 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-89 - RE | 0.086 | | 0.0099 | 0.00081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 9.8 | C B | 0.030 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 1.7 | C88 B | 0.020 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 2.5 | B | 0.0099 | 0.00076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 0.28 | C | 0.020 | 0.00074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-94 - RE | 0.093 | | 0.0099 | 0.00080 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 7.7 | B | 0.0099 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.096 | | 0.0099 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 4.6 | C86 B | 0.059 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 0.44 | C | 0.020 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 6.3 | C83 B | 0.020 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 0.28 | C93 | 0.020 | 0.00074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 9.8 | C90 B | 0.030 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 0.44 | C98 | 0.020 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 0.37 | | 0.0099 | 0.00070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 1.7 | B | 0.0099 | 0.0085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 0.76 | B | 0.0099 | 0.0080 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 0.21 | C | 0.020 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 4.6 | C86 B | 0.059 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 8.4 | C B | 0.020 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-111 - RE | 0.035 | | 0.0099 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 9.8 | C90 B | 0.030 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.10 | | 0.0099 | 0.0077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 8.4 | C110 B | 0.020 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 1.1 | C85 | 0.030 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 1.1 | C85 | 0.030 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 6.0 | B | 0.0099 | 0.0079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 4.6 | C86 B | 0.059 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.10 | | 0.0099 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.083 | B | 0.0099 | 0.0093 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.072 | q | 0.0099 | 0.0080 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-30to40-82719 (Continued)
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-124 - RE | 0.21 | C108 | 0.020 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 4.6 | C86 B | 0.059 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.015 | q | 0.0099 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 1.6 | C B | 0.020 | 0.0036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 11 | C B | 0.039 | 0.0037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 0.91 | B | 0.0099 | 0.0049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.13 | | 0.0099 | 0.0047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 4.3 | B | 0.0099 | 0.0046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 0.37 | | 0.0099 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 0.76 | C | 0.020 | 0.0048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 4.9 | C B | 0.020 | 0.00092 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 2.0 | B | 0.0099 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 0.29 | | 0.0099 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 11 | C129 B | 0.039 | 0.0037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 0.26 | C | 0.020 | 0.0041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 0.26 | C139 | 0.020 | 0.0041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 2.0 | B | 0.0099 | 0.0042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 0.76 | C134 | 0.020 | 0.0048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 0.45 | | 0.0099 | 0.00087 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.0065 | J | 0.0099 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 2.9 | B | 0.0099 | 0.0040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 13 | C B | 0.020 | 0.0042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.076 | | 0.0099 | 0.00089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 13 | C147 B | 0.020 | 0.0042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.071 | | 0.0099 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 4.9 | C135 B | 0.020 | 0.00092 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.013 | | 0.0099 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 11 | C B | 0.020 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 0.46 | | 0.0099 | 0.00079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 0.90 | C B | 0.020 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 0.90 | C156 B | 0.020 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 0.79 | B | 0.0099 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.15 | | 0.0099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 11 | C129 B | 0.039 | 0.0037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 11 | C129 B | 0.039 | 0.0037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 0.86 | B | 0.0099 | 0.0032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 1.6 | C128 B | 0.020 | 0.0036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 0.31 | B | 0.0099 | 0.0026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 11 | C153 B | 0.020 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 3.5 | B | 0.0099 | 0.00095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 1.1 | C B | 0.020 | 0.00096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 0.65 | B | 0.0099 | 0.00093 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 1.1 | C171 B | 0.020 | 0.00096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 4.1 | B | 0.0099 | 0.00097 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.17 | | 0.0099 | 0.00087 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 0.53 | B | 0.0099 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 2.4 | B | 0.0099 | 0.00098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 0.90 | B | 0.0099 | 0.00090 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 2.1 | B | 0.0099 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 7.7 | C B | 0.020 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.051 | | 0.0099 | 0.00081 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-30to40-82719 (Continued)
## Lab Sample ID: 580-88908-27

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-183 - RE | 2.5 | C B | 0.020 | 0.00081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 2.5 | C183 B | 0.020 | 0.00081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 5.2 | B | 0.0099 | 0.00083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.12 | B | 0.0099 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 0.63 | B | 0.0099 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.14 | | 0.0099 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 7.7 | C180 B | 0.020 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 2.2 | G B | 0.010 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 0.98 | G B | 0.012 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 1.0 | B | 0.0099 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.069 | B | 0.0099 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 2.3 | C B | 0.020 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 2.3 | C198 B | 0.020 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.26 | | 0.0099 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.23 | B | 0.0099 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 0.46 | B | 0.0099 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 1.3 | | 0.0099 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.099 | | 0.0099 | 0.0076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 1.0 | | 0.0099 | 0.0064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.12 | | 0.0099 | 0.0044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.23 | | 0.0099 | 0.0044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 0.88 | | 0.0099 | 0.00089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.22 | | 0.0099 | 0.00098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 1.3 | B | 0.020 | 0.00068 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 12 | B | 0.020 | 0.0089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 42 | q B | 0.039 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 56 | q B | 0.059 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 60 | B | 0.039 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 32 | B | 0.020 | 0.00083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 8.9 | B | 0.020 | 0.0037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 1.4 | | 0.0099 | 0.0051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 210 | q B | 0.059 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-40to50-82719
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 1.3 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.051 | J q | 0.24 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.31 | | 0.24 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 1.6 | | 0.49 | 0.075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 | 0.058 | J | 0.24 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.41 | | 0.24 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.061 | J q | 0.24 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 1.2 | | 0.49 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.090 | J q | 0.24 | 0.042 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.077 | J B | 0.49 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.19 | J C | 0.49 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.19 | J C12 | 0.49 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.55 | | 0.24 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.81 | | 0.24 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 1.2 | | 0.24 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 1.8 | C | 0.49 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.35 | | 0.24 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 3.7 | C | 0.49 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 1.5 | C | 0.49 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.71 | | 0.24 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 | 0.025 | J q | 0.24 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.45 | | 0.24 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.75 | C | 0.49 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.13 | J q | 0.24 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 3.7 | C20 | 0.49 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.75 | C26 | 0.49 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 1.8 | C18 | 0.49 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 2.5 | | 0.49 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 0.65 | | 0.24 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 1.5 | C21 | 0.49 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.062 | J | 0.24 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.083 | J q | 0.24 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.86 | | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.097 | J | 0.24 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 3.6 | C | 0.73 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 3.6 | C40 | 0.73 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 2.6 | | 0.24 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 | 0.19 | J q C | 0.49 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 12 | C B | 0.73 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 1.1 | C B | 0.49 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 | 0.32 | | 0.24 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 12 | C44 B | 0.73 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 0.98 | | 0.24 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 10 | C B | 0.49 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 1.1 | C | 0.49 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 1.1 | C45 B | 0.49 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 26 | B | 0.24 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 1.1 | C50 | 0.49 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 0.031 | J q | 0.24 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-55 | 0.13 | J | 0.24 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 3.6 | | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-57 | 0.065 | J | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-58 | 0.16 | J | 0.24 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 0.73 | C | 0.73 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.65 | | 0.24 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 23 | C B | 0.97 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 0.73 | C59 | 0.73 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.47 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 3.3 | | 0.24 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 12 | C44 B | 0.73 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 14 | | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.27 | | 0.24 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.37 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 10 | C49 B | 0.49 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 23 | C61 B | 0.97 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 3.6 | C40 | 0.73 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-72 | 0.68 | | 0.24 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 | 0.19 | J q C43 | 0.49 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 23 | C61 B | 0.97 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 0.73 | C59 | 0.73 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 23 | C61 B | 0.97 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 1.1 | | 0.24 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.45 | | 0.24 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-80 | 0.054 | J q | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-81 | 0.034 | J q | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 4.6 | | 0.24 | 0.054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 29 | C | 0.49 | 0.049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 11 | B | 0.24 | 0.054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 6.7 | C B | 0.73 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 26 | C | 1.5 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 26 | C86 | 1.5 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 6.2 | C | 0.49 | 0.046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 | 0.30 | | 0.24 | 0.052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 47 | C B | 0.73 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 6.2 | C88 | 0.49 | 0.046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 10 | | 0.24 | 0.049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.60 | C | 0.49 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 0.20 | J q | 0.24 | 0.051 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 35 | | 0.24 | 0.048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 0.22 | J q | 0.24 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 26 | C86 | 1.5 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 1.2 | C | 0.49 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 29 | C83 | 0.49 | 0.049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.60 | C93 | 0.49 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 47 | C90 B | 0.73 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 1.2 | C98 | 0.49 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 0.97 | | 0.24 | 0.045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 11 | | 0.24 | 0.094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 3.2 | | 0.24 | 0.090 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 1.3 | C | 0.49 | 0.097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 26 | C86 | 1.5 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 51 | C | 0.49 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-111 | 0.085 | J q | 0.24 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 47 | C90 B | 0.73 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.70 | | 0.24 | 0.086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 51 | C110 | 0.49 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 6.7 | C85 B | 0.73 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 6.7 | C85 B | 0.73 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 36 | B | 0.24 | 0.092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 26 | C86 | 1.5 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.52 | | 0.24 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-121 | 0.062 | J | 0.24 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.51 | | 0.24 | 0.11 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.54 | | 0.24 | 0.088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 1.3 | C108 | 0.49 | 0.097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 26 | C86 | 1.5 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 | 0.12 | J | 0.24 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-128 | 7.6 | C B | 0.49 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 47 | C B | 0.97 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 3.7 | | 0.24 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.73 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 17 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 1.1 | | 0.24 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 2.9 | C | 0.49 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 16 | C B | 0.49 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 6.1 | B | 0.24 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 2.1 | | 0.24 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 47 | C129 B | 0.97 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 1.0 | C | 0.49 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 1.0 | C139 | 0.49 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 7.4 | | 0.24 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 2.9 | C134 | 0.49 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 1.7 | | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 | 0.038 | J q | 0.24 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 9.5 | B | 0.24 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 41 | C B | 0.49 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.22 | J q | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 41 | C147 B | 0.49 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.17 | J | 0.24 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 16 | C135 B | 0.49 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.049 | J q | 0.24 | 0.0084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 40 | C B | 0.49 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 1.3 | | 0.24 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-155 | 0.014 | J q | 0.24 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 5.5 | C | 0.49 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 5.5 | C156 | 0.49 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 4.4 | | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.43 | | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 47 | C129 B | 0.97 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.16 | J q | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 47 | C129 B | 0.97 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 3.4 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 7.6 | C128 B | 0.49 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 1.7 | | 0.24 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 40 | C153 B | 0.49 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 11 | B | 0.24 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 3.7 | C | 0.49 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 1.9 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 3.7 | C171 | 0.49 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 13 | B | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.54 | | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 1.6 | | 0.24 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 7.4 | B | 0.24 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 2.7 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 5.5 | | 0.24 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 24 | C B | 0.49 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.15 | J | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.14 | J | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-183 | 7.9 | C B | 0.49 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 7.9 | C183 B | 0.49 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 15 | B | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-188 | 0.057 | J | 0.24 | 0.0082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.37 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 2.1 | B | 0.24 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.50 | | 0.24 | 0.0093 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 24 | C180 B | 0.49 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 5.3 | | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 2.3 | | 0.24 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 2.5 | | 0.24 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.18 | J q | 0.24 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 5.8 | C B | 0.49 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 5.8 | C198 B | 0.49 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.73 | | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.73 | | 0.24 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 1.2 | | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 3.5 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.27 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 2.6 | | 0.24 | 0.042 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.29 | | 0.24 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.68 | | 0.24 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 1.5 | | 0.24 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 1.7 | q | 0.24 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 4.2 | q B | 0.49 | 0.040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 16 | q | 0.49 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 110 | q B | 0.97 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 280 | q B | 1.5 | 0.059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 220 | q B | 0.97 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 98 | B | 0.49 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 23 | q B | 0.49 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 3.6 | | 0.24 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 760 | q B | 1.5 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 0.61 | | 0.049 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.063 | | 0.049 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.26 | | 0.049 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.31 | | 0.098 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.020 | J | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.24 | | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.053 | | 0.049 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 0.78 | | 0.098 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.069 | | 0.049 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.020 | J q | 0.049 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.059 | J B | 0.098 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.12 | C | 0.098 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.12 | C12 | 0.098 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.47 | | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.64 | | 0.049 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 0.92 | B | 0.049 | 0.0024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 1.5 | C B | 0.098 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.13 | | 0.049 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-20 - RE | 3.5 | C B | 0.098 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 1.4 | C B | 0.098 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.64 | B | 0.049 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.017 | J q | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.43 | | 0.049 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.69 | C B | 0.098 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.11 | | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 3.5 | C20 B | 0.098 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.69 | C26 B | 0.098 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 1.5 | C18 B | 0.098 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 2.2 | B | 0.098 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 0.55 | | 0.049 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 1.4 | C21 B | 0.098 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.054 | | 0.049 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.068 | | 0.049 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-36 - RE | 0.016 | J | 0.049 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.86 | B | 0.049 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.086 | | 0.049 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 2.6 | C | 0.15 | 0.0098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 2.6 | C40 | 0.15 | 0.0098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 2.1 | | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.12 | q C | 0.098 | 0.0090 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 8.1 | C B | 0.15 | 0.0087 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 0.76 | C B | 0.098 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.23 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 8.1 | C44 B | 0.15 | 0.0087 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 0.71 | | 0.049 | 0.0095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 7.5 | C B | 0.098 | 0.0079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 0.64 | C | 0.098 | 0.0096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-51 - RE | 0.76 | C45 B | 0.098 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 13 | B | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 0.64 | C50 | 0.098 | 0.0096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.026 | J | 0.049 | 0.00035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-55 - RE | 0.049 | q | 0.049 | 0.0069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 2.7 | | 0.049 | 0.0071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-58 - RE | 0.14 | | 0.049 | 0.0068 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.55 | C | 0.15 | 0.0066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.32 | | 0.049 | 0.0068 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 15 | C B | 0.20 | 0.0066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 0.55 | C59 | 0.15 | 0.0066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.36 | | 0.049 | 0.0061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 2.1 | | 0.049 | 0.0063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 8.1 | C44 B | 0.15 | 0.0087 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 10 | B | 0.049 | 0.0070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-67 - RE | 0.20 | | 0.049 | 0.0064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.32 | B | 0.049 | 0.0061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 7.5 | C49 B | 0.098 | 0.0079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 15 | C61 B | 0.20 | 0.0066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 2.6 | C40 | 0.15 | 0.0098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.58 | | 0.049 | 0.0068 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.12 | q C43 | 0.098 | 0.0090 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-74 - RE | 15 | C61 B | 0.20 | 0.0066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 0.55 | C59 | 0.15 | 0.0066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 15 | C61 B | 0.20 | 0.0066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 0.82 | | 0.049 | 0.0067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.35 | | 0.049 | 0.0058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 2.4 | B | 0.049 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 19 | C B | 0.098 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 6.1 | B | 0.049 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 3.7 | C | 0.15 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 15 | C B | 0.29 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 15 | C86 B | 0.29 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 3.9 | C B | 0.098 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-89 - RE | 0.18 | | 0.049 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 27 | C B | 0.15 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 3.9 | C88 B | 0.098 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 6.7 | B | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 0.45 | C | 0.098 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 19 | B | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.14 | | 0.049 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 15 | C86 B | 0.29 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 0.78 | C | 0.098 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 19 | C83 B | 0.098 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 0.45 | C93 | 0.098 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 27 | C90 B | 0.15 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 0.78 | C98 | 0.098 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 0.75 | | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 5.9 | B | 0.049 | 0.020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 2.3 | B | 0.049 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 0.68 | C | 0.098 | 0.021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 15 | C86 B | 0.29 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 28 | C B | 0.098 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 27 | C90 B | 0.15 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.38 | | 0.049 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 28 | C110 B | 0.098 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 3.7 | C85 | 0.15 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 3.7 | C85 | 0.15 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 22 | B | 0.049 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 15 | C86 B | 0.29 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.39 | | 0.049 | 0.00095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.27 | B | 0.049 | 0.022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.29 | | 0.049 | 0.020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 0.68 | C108 | 0.098 | 0.021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 15 | C86 B | 0.29 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.088 | | 0.049 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 4.2 | C B | 0.098 | 0.0084 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 26 | C B | 0.20 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 2.2 | B | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.32 | | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 8.9 | B | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 0.71 | | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 1.6 | C | 0.098 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-135 - RE | 12 | C B | 0.098 | 0.00099 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 4.3 | B | 0.049 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 1.0 | | 0.049 | 0.0088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 26 | C129 B | 0.20 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 0.62 | C | 0.098 | 0.0093 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 0.62 | C139 | 0.098 | 0.0093 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 4.2 | B | 0.049 | 0.0097 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 1.6 | C134 | 0.098 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 1.2 | | 0.049 | 0.00094 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 6.3 | B | 0.049 | 0.0093 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 23 | C B | 0.098 | 0.0096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.17 | q | 0.049 | 0.00096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 23 | C147 B | 0.098 | 0.0096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.14 | | 0.049 | 0.00070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 12 | C135 B | 0.098 | 0.00099 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.020 | J | 0.049 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 24 | C B | 0.098 | 0.0076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 1.2 | | 0.049 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 3.2 | C B | 0.098 | 0.0089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 3.2 | C156 B | 0.098 | 0.0089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 2.3 | B | 0.049 | 0.0067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.32 | | 0.049 | 0.0071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 26 | C129 B | 0.20 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-162 - RE | 0.11 | B | 0.049 | 0.0069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 26 | C129 B | 0.20 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 2.0 | B | 0.049 | 0.0075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 4.2 | C128 B | 0.098 | 0.0084 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 1.0 | B | 0.049 | 0.0059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 24 | C153 B | 0.098 | 0.0076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 7.7 | B | 0.049 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 2.9 | C B | 0.098 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 1.5 | B | 0.049 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 2.9 | C171 B | 0.098 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 10 | B | 0.049 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.39 | | 0.049 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 1.1 | B | 0.049 | 0.00034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 6.2 | B | 0.049 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 2.1 | B | 0.049 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 4.1 | B | 0.049 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 18 | C B | 0.098 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-181 - RE | 0.092 | | 0.049 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.12 | | 0.049 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 6.1 | C B | 0.098 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 6.1 | C183 B | 0.098 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 12 | B | 0.049 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.29 | B | 0.049 | 0.0050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 1.7 | B | 0.049 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.36 | | 0.049 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 18 | C180 B | 0.098 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 4.3 | B | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 1.9 | B | 0.049 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-40to50-82719 (Continued)
## Lab Sample ID: 580-88908-28

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-196 - RE | 2.1 | B | 0.049 | 0.00081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.15 | B | 0.049 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 4.8 | C B | 0.098 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 4.8 | C198 B | 0.098 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.57 | | 0.049 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.60 | B | 0.049 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 0.96 | B | 0.049 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 2.7 | | 0.049 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.21 | | 0.049 | 0.0091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 1.8 | | 0.049 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.22 | | 0.049 | 0.0094 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.49 | | 0.049 | 0.0097 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 1.1 | | 0.049 | 0.00098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.93 | | 0.049 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 2.1 | q B | 0.098 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 14 | q B | 0.098 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 69 | q B | 0.20 | 0.0074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 170 | B | 0.29 | 0.0073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 130 | q B | 0.20 | 0.0065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 75 | B | 0.098 | 0.00066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 18 | B | 0.098 | 0.0037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 2.5 | | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 480 | q B | 0.29 | 0.0056 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-50to60-82719
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.18 | J | 0.24 | 0.0071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.028 | J | 0.24 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.15 | J | 0.24 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.44 | J | 0.48 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.33 | | 0.24 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.074 | J | 0.24 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 1.2 | | 0.48 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.11 | J | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.13 | J C | 0.48 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.13 | J C12 | 0.48 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.71 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 1.3 | | 0.24 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 1.8 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 2.7 | C | 0.48 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.24 | | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 6.5 | C | 0.48 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 2.4 | C | 0.48 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 1.1 | | 0.24 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 | 0.035 | J | 0.24 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.72 | | 0.24 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 1.4 | C | 0.48 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.22 | J | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 6.5 | C20 | 0.48 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 1.4 | C26 | 0.48 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-30 | 2.7 | C18 | 0.48 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 4.1 | | 0.48 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 1.1 | | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 2.4 | C21 | 0.48 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.085 | J | 0.24 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.064 | J | 0.24 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 1.5 | | 0.24 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.13 | J | 0.24 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 5.2 | C | 0.72 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 5.2 | C40 | 0.72 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 3.8 | | 0.24 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 | 0.23 | J C | 0.48 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 17 | C B | 0.72 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 1.4 | C B | 0.48 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 | 0.52 | | 0.24 | 0.042 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 17 | C44 B | 0.72 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 1.6 | | 0.24 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 16 | C B | 0.48 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 1.3 | C | 0.48 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 1.4 | C45 B | 0.48 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 35 | B | 0.24 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 1.3 | C50 | 0.48 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 0.029 | J | 0.24 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-55 | 0.083 | J | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 5.2 | | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-57 | 0.15 | J | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-58 | 0.17 | J | 0.24 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 1.0 | C | 0.72 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.75 | | 0.24 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 31 | C B | 0.96 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 1.0 | C59 | 0.72 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.60 | | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 4.6 | | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 17 | C44 B | 0.72 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 18 | | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.38 | | 0.24 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.54 | | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 16 | C49 B | 0.48 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 31 | C61 B | 0.96 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 5.2 | C40 | 0.72 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 1.1 | | 0.24 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 | 0.23 | J C43 | 0.48 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 31 | C61 B | 0.96 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 1.0 | C59 | 0.72 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 31 | C61 B | 0.96 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 1.2 | | 0.24 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.74 | | 0.24 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-81 | 0.067 | J | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 5.6 | | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 40 | C | 0.48 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 14 | B | 0.24 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 7.9 | C B | 0.72 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 34 | C | 1.4 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 34 | C86 | 1.4 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 8.7 | C | 0.48 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 | 0.44 | | 0.24 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 63 | C B | 0.72 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 8.7 | C88 | 0.48 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 16 | | 0.24 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.99 | C | 0.48 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 47 | | 0.24 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 34 | C86 | 1.4 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 1.6 | C | 0.48 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 40 | C83 | 0.48 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.99 | C93 | 0.48 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 63 | C90 B | 0.72 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 1.6 | C98 | 0.48 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 1.6 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 14 | | 0.24 | 0.074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 4.5 | | 0.24 | 0.070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 1.7 | C | 0.48 | 0.076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 34 | C86 | 1.4 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 64 | C | 0.48 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 63 | C90 B | 0.72 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.83 | | 0.24 | 0.070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 64 | C110 | 0.48 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 7.9 | C85 B | 0.72 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 7.9 | C85 B | 0.72 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 47 | B | 0.24 | 0.070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 34 | C86 | 1.4 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.67 | | 0.24 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.67 | | 0.24 | 0.082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.67 | | 0.24 | 0.069 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 1.7 | C108 | 0.48 | 0.076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 34 | C86 | 1.4 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 | 0.13 | J | 0.24 | 0.076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 9.6 | C B | 0.48 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 61 | C B | 0.96 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 4.6 | | 0.24 | 0.040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.91 | | 0.24 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 22 | | 0.24 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 1.7 | | 0.24 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 3.9 | C | 0.48 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 26 | C B | 0.48 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 9.1 | B | 0.24 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 2.7 | | 0.24 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 61 | C129 B | 0.96 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 1.5 | C | 0.48 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 1.5 | C139 | 0.48 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 10 | | 0.24 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 3.9 | C134 | 0.48 | 0.039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 2.7 | | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-145 | 0.046 | J | 0.24 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 14 | B | 0.24 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 55 | C B | 0.48 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.48 | | 0.24 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 55 | C147 B | 0.48 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.35 | | 0.24 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 26 | C135 B | 0.48 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.037 | J | 0.24 | 0.0084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 55 | C B | 0.48 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 2.5 | | 0.24 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 7.6 | C | 0.48 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 7.6 | C156 | 0.48 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 5.6 | | 0.24 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.69 | | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 61 | C129 B | 0.96 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.24 | | 0.24 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 61 | C129 B | 0.96 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 4.5 | | 0.24 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 9.6 | C128 B | 0.48 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 2.3 | | 0.24 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 55 | C153 B | 0.48 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 16 | B | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 5.6 | C | 0.48 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 3.1 | | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 5.6 | C171 | 0.48 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 19 | B | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.77 | | 0.24 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 2.3 | | 0.24 | 0.0071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 11 | B | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 4.2 | | 0.24 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 8.4 | | 0.24 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 36 | C B | 0.48 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.20 | J | 0.24 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.21 | J | 0.24 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 12 | C B | 0.48 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 12 | C183 B | 0.48 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 23 | B | 0.24 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.60 | | 0.24 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 3.3 | B | 0.24 | 0.0078 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.75 | | 0.24 | 0.0078 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 36 | C180 B | 0.48 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 8.0 | | 0.24 | 0.11 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 3.6 | | 0.24 | 0.13 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 4.0 | | 0.24 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.34 | | 0.24 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 8.6 | C B | 0.48 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 8.6 | C198 B | 0.48 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 1.1 | | 0.24 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 1.1 | | 0.24 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 1.7 | | 0.24 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 5.0 | | 0.24 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-205 | 0.41 | | 0.24 | 0.080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 6.0 | q | 0.24 | 0.053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.41 | | 0.24 | 0.037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.95 | | 0.24 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 2.3 | | 0.24 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 0.36 | | 0.24 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 3.0 | q B | 0.48 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 25 | | 0.48 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 150 | q B | 0.96 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 380 | B | 1.4 | 0.036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 300 | q B | 0.96 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 150 | q B | 0.48 | 0.0096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 34 | B | 0.48 | 0.040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 7.4 | q | 0.24 | 0.043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 1000 | q B | 1.4 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 0.31 | | 0.049 | 0.0024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.038 | J | 0.049 | 0.0024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.22 | | 0.049 | 0.0023 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.51 | | 0.099 | 0.0051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.024 | J | 0.049 | 0.0032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.36 | | 0.049 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.068 | | 0.049 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 1.4 | | 0.099 | 0.0032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.10 | | 0.049 | 0.0036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.030 | J | 0.049 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.026 | J B | 0.099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.15 | C | 0.099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.15 | C12 | 0.099 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.79 | | 0.049 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 1.4 | | 0.049 | 0.0023 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 1.9 | B | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 3.1 | C B | 0.099 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.29 | | 0.049 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 6.9 | C B | 0.099 | 0.031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 2.7 | C B | 0.099 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 1.2 | B | 0.049 | 0.033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.048 | J | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.78 | | 0.049 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 1.5 | C B | 0.099 | 0.031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.25 | | 0.049 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 6.9 | C20 B | 0.099 | 0.031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 1.5 | C26 B | 0.099 | 0.031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 3.1 | C18 B | 0.099 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 4.4 | B | 0.099 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 1.2 | | 0.049 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 2.7 | C21 B | 0.099 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.099 | | 0.049 | 0.034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.088 | | 0.049 | 0.034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 1.8 | B | 0.049 | 0.032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.13 | | 0.049 | 0.029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 5.5 | C | 0.15 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-41 - RE | 5.5 | C40 | 0.15 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 3.9 | | 0.049 | 0.018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.33 | C | 0.099 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 17 | C B | 0.15 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 1.4 | C B | 0.099 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.49 | | 0.049 | 0.020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 17 | C44 B | 0.15 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 1.7 | | 0.049 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 15 | C B | 0.099 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 1.3 | C | 0.099 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-51 - RE | 1.4 | C45 B | 0.099 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 36 | B | 0.049 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 1.3 | C50 | 0.099 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.027 | J | 0.049 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-55 - RE | 0.078 | q | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 5.5 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-57 - RE | 0.16 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-58 - RE | 0.21 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 1.1 | C | 0.15 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.87 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 33 | C B | 0.20 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 1.1 | C59 | 0.15 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.70 | | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 4.9 | | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 17 | C44 B | 0.15 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 18 | B | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-67 - RE | 0.41 | | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.51 | B | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 15 | C49 B | 0.099 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 33 | C61 B | 0.20 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 5.5 | C40 | 0.15 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 1.2 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.33 | C43 | 0.099 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 33 | C61 B | 0.20 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 1.1 | C59 | 0.15 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 33 | C61 B | 0.20 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 1.4 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.67 | | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-81 - RE | 0.040 | J | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 6.1 | B | 0.049 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 46 | C B | 0.099 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 16 | B | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 9.3 | C | 0.15 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 38 | C B | 0.30 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 38 | C86 B | 0.30 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 9.7 | C B | 0.099 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-89 - RE | 0.48 | | 0.049 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 73 | C B | 0.15 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 9.7 | C88 B | 0.099 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 18 | B | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 1.1 | C | 0.099 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-95 - RE | 51 | B | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 38 | C86 B | 0.30 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 1.8 | C | 0.099 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 46 | C83 B | 0.099 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 1.1 | C93 | 0.099 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 73 | C90 B | 0.15 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 1.8 | C98 | 0.099 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 1.7 | | 0.049 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 15 | B | 0.049 | 0.044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 4.9 | B | 0.049 | 0.041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 1.9 | C | 0.099 | 0.044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 38 | C86 B | 0.30 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 70 | C B | 0.099 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 73 | C90 B | 0.15 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 1.0 | | 0.049 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 70 | C110 B | 0.099 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 9.3 | C85 | 0.15 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 9.3 | C85 | 0.15 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 51 | B | 0.049 | 0.041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 38 | C86 B | 0.30 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.65 | | 0.049 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.67 | B | 0.049 | 0.048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.70 | | 0.049 | 0.042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 1.9 | C108 | 0.099 | 0.044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 38 | C86 B | 0.30 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.16 | | 0.049 | 0.043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 11 | C B | 0.099 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 68 | C B | 0.20 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 5.4 | B | 0.049 | 0.021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 1.0 | | 0.049 | 0.020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 25 | B | 0.049 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 2.0 | | 0.049 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 4.7 | C | 0.099 | 0.020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 26 | C B | 0.099 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 11 | B | 0.049 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 3.0 | | 0.049 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 68 | C129 B | 0.20 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 1.9 | C | 0.099 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 1.9 | C139 | 0.099 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 12 | B | 0.049 | 0.018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 4.7 | C134 | 0.099 | 0.020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 2.8 | | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.038 | J | 0.049 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 15 | B | 0.049 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 61 | C B | 0.099 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.47 | | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 61 | C147 B | 0.099 | 0.017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.37 | | 0.049 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 26 | C135 B | 0.099 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.054 | | 0.049 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 61 | C B | 0.099 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-154 - RE | 2.4 | | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 8.3 | C B | 0.099 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 8.3 | C156 B | 0.099 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 6.4 | B | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.62 | | 0.049 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 68 | C129 B | 0.20 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-162 - RE | 0.22 | B | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 68 | C129 B | 0.20 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 5.0 | B | 0.049 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 11 | C128 B | 0.099 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 2.5 | B | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 61 | C153 B | 0.099 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 17 | B | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 5.4 | C B | 0.099 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 3.0 | B | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 5.4 | C171 B | 0.099 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 18 | B | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.82 | | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 2.4 | B | 0.049 | 0.00097 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 11 | B | 0.049 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 4.2 | B | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 8.6 | B | 0.049 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 35 | C B | 0.099 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-181 - RE | 0.19 | | 0.049 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.21 | | 0.049 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 11 | C B | 0.099 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 11 | C183 B | 0.099 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 23 | B | 0.049 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.64 | B | 0.049 | 0.0054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 3.3 | B | 0.049 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.74 | | 0.049 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 35 | C180 B | 0.099 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 8.5 | B | 0.049 | 0.016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 3.7 | B | 0.049 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 4.3 | B | 0.049 | 0.0039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.31 | B | 0.049 | 0.0028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 9.6 | C B | 0.099 | 0.0042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 9.6 | C198 B | 0.099 | 0.0042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 1.2 | | 0.049 | 0.0030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 1.1 | B | 0.049 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 1.8 | B | 0.049 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 5.8 | | 0.049 | 0.0037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.42 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 5.2 | q | 0.049 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.41 | | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.82 | | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 1.5 | | 0.049 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.57 | | 0.049 | 0.0024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 3.5 | B | 0.099 | 0.0033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 28 | B | 0.099 | 0.021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 150 | q B | 0.20 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-50to60-82719 (Continued)
## Lab Sample ID: 580-88908-29

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Pentachlorobiphenyls - RE | 420 | B | 0.30 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 340 | B | 0.20 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 140 | B | 0.099 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 37 | B | 0.099 | 0.0067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 6.4 | q | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 1100 | q B | 0.30 | 0.0094 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-60to70-82719
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.088 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.012 | J | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.071 | | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.21 | | 0.099 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 | 0.010 | J | 0.049 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.16 | | 0.049 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.028 | J | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 0.65 | | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.031 | J | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 | 0.010 | J | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.014 | J B | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.063 | J C | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.063 | J C12 | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.26 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.53 | | 0.049 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 0.78 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 1.2 | C | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.12 | | 0.049 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 2.6 | C | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 1.1 | C | 0.099 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.48 | | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 | 0.011 | J | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.24 | | 0.049 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.35 | C | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.094 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 2.6 | C20 | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.35 | C26 | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 1.2 | C18 | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 1.8 | | 0.099 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 0.47 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 1.1 | C21 | 0.099 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.042 | J | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.026 | J | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.54 | | 0.049 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.042 | J | 0.049 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 2.2 | C | 0.15 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 2.2 | C40 | 0.15 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 1.5 | | 0.049 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 | 0.091 | J C | 0.099 | 0.0092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 7.4 | C B | 0.15 | 0.0089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 0.70 | C B | 0.099 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-60to70-82719 (Continued)
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-46 | 0.23 | | 0.049 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 7.4 | C44 B | 0.15 | 0.0089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 0.65 | | 0.049 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 6.0 | C B | 0.099 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 0.63 | C | 0.099 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 0.70 | C45 B | 0.099 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 14 | B | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 0.63 | C50 | 0.099 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 0.024 | J | 0.049 | 0.00070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 1.7 | | 0.049 | 0.0073 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-57 | 0.0086 | J | 0.049 | 0.0072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-58 | 0.054 | q | 0.049 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 0.35 | C | 0.15 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.27 | | 0.049 | 0.0069 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 12 | C B | 0.20 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 0.35 | C59 | 0.15 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.18 | | 0.049 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 1.9 | | 0.049 | 0.0065 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 7.4 | C44 B | 0.15 | 0.0089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 6.1 | | 0.049 | 0.0072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.099 | | 0.049 | 0.0066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.18 | | 0.049 | 0.0062 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 6.0 | C49 B | 0.099 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 12 | C61 B | 0.20 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 2.2 | C40 | 0.15 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 0.33 | | 0.049 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 | 0.091 | J C43 | 0.099 | 0.0092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 12 | C61 B | 0.20 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 0.35 | C59 | 0.15 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 12 | C61 B | 0.20 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 0.28 | | 0.049 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.26 | | 0.049 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 2.1 | | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 16 | C | 0.099 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 6.4 | B | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 2.9 | C B | 0.15 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 13 | C | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 13 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 4.2 | C | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 | 0.14 | q | 0.049 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 26 | C B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 4.2 | C88 | 0.099 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 6.0 | | 0.049 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.50 | C | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 0.11 | | 0.049 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 22 | | 0.049 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 0.15 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 13 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 0.75 | C | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 16 | C83 | 0.099 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.50 | C93 | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-60to70-82719 (Continued)
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-101 | 26 | C90 B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 0.75 | C98 | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 0.76 | | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 5.0 | | 0.049 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 1.4 | | 0.049 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 0.58 | C | 0.099 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 13 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 26 | C | 0.099 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 26 | C90 B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.28 | | 0.049 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 26 | C110 | 0.099 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 2.9 | C85 B | 0.15 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 2.9 | C85 B | 0.15 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 16 | B | 0.049 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 13 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.25 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.20 | | 0.049 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.20 | | 0.049 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 0.58 | C108 | 0.099 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 13 | C86 | 0.30 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 3.4 | C B | 0.099 | 0.0075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 22 | C B | 0.20 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 1.7 | | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.31 | | 0.049 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 8.1 | | 0.049 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 0.67 | | 0.049 | 0.0092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 1.4 | C | 0.099 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 9.7 | C B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 4.1 | B | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 0.86 | | 0.049 | 0.0079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 22 | C129 B | 0.20 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 0.56 | C | 0.099 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 0.56 | C139 | 0.099 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 3.7 | | 0.049 | 0.0087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 1.4 | C134 | 0.099 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 0.98 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 | 0.011 | J | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 5.8 | B | 0.049 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 23 | C B | 0.099 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.20 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 23 | C147 B | 0.099 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.17 | | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 9.7 | C135 B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.021 | J | 0.049 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 22 | C B | 0.099 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 1.1 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 2.4 | C | 0.099 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 2.4 | C156 | 0.099 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 2.0 | | 0.049 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.28 | | 0.049 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 22 | C129 B | 0.20 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-60to70-82719 (Continued)
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-162 | 0.066 | | 0.049 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 22 | C129 B | 0.20 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 1.7 | | 0.049 | 0.0067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 3.4 | C128 B | 0.099 | 0.0075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 0.71 | | 0.049 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 22 | C153 B | 0.099 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 6.0 | B | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 2.2 | C | 0.099 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 1.1 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 2.2 | C171 | 0.099 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 7.2 | B | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.30 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 0.91 | | 0.049 | 0.00093 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 4.4 | B | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 1.7 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 3.3 | | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 14 | C B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.066 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.091 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 4.6 | C B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 4.6 | C183 B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 9.2 | B | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.22 | | 0.049 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 1.3 | B | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.28 | | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 14 | C180 B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 3.3 | | 0.049 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 1.5 | | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 1.8 | | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.13 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 3.7 | C B | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 3.7 | C198 B | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.49 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.48 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 0.75 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 2.3 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.17 | | 0.049 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 1.7 | | 0.049 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.18 | | 0.049 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.40 | | 0.049 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 1.4 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 0.17 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 1.4 | q B | 0.099 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 10 | q | 0.099 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 57 | q B | 0.20 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 150 | q B | 0.30 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 120 | q B | 0.20 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 57 | B | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 15 | B | 0.099 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 2.3 | | 0.049 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 410 | q B | 0.30 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-60to70-82719 (Continued)
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 - RE | 0.097 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.015 | J | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.071 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.19 | | 0.099 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.0076 | J q | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.15 | | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.028 | J | 0.049 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 0.58 | | 0.099 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.035 | J | 0.049 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.0096 | J q | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.0098 | J q B | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.060 | J C | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.060 | J C12 | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.23 | | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.57 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 0.84 | B | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 1.2 | C B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.11 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 2.0 | C B | 0.099 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 0.82 | C B | 0.099 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.36 | B | 0.049 | 0.0067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.015 | J | 0.049 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.18 | | 0.049 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.27 | C B | 0.099 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.10 | | 0.049 | 0.00093 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 2.0 | C20 B | 0.099 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.27 | C26 B | 0.099 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 1.2 | C18 B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 1.4 | B | 0.099 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 0.48 | | 0.049 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 0.82 | C21 B | 0.099 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.033 | J | 0.049 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.022 | J | 0.049 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.55 | B | 0.049 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.037 | J | 0.049 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 2.3 | C | 0.15 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 2.3 | C40 | 0.15 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 1.5 | | 0.049 | 0.0072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.15 | C | 0.099 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 7.1 | C B | 0.15 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 0.71 | C B | 0.099 | 0.0071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.21 | | 0.049 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 7.1 | C44 B | 0.15 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 0.66 | | 0.049 | 0.0066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 5.6 | C B | 0.099 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 0.63 | C | 0.099 | 0.0067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 - RE | 0.71 | C45 B | 0.099 | 0.0071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 13 | B | 0.049 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 0.63 | C50 | 0.099 | 0.0067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.022 | J | 0.049 | 0.00027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 1.8 | | 0.049 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-60to70-82719 (Continued)
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-58 - RE | 0.058 | | 0.049 | 0.0047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.36 | C | 0.15 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.26 | | 0.049 | 0.0047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 12 | C B | 0.20 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 0.36 | C59 | 0.15 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.18 | | 0.049 | 0.0043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 2.0 | | 0.049 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 7.1 | C44 B | 0.15 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 6.4 | B | 0.049 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 - RE | 0.10 | | 0.049 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.21 | B | 0.049 | 0.0042 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 5.6 | C49 B | 0.099 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 12 | C61 B | 0.20 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 2.3 | C40 | 0.15 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.38 | | 0.049 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.15 | C43 | 0.099 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 12 | C61 B | 0.20 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 0.36 | C59 | 0.15 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 12 | C61 B | 0.20 | 0.0046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 0.26 | | 0.049 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.22 | | 0.049 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-81 - RE | 0.0055 | J q | 0.049 | 0.0051 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 1.6 | B | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 15 | C B | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 5.4 | B | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 2.5 | C | 0.15 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 12 | C B | 0.30 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 12 | C86 B | 0.30 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 3.9 | C B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 23 | C B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 3.9 | C88 B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 5.7 | B | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 0.48 | C | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 17 | B | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.13 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 12 | C86 B | 0.30 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 0.65 | C | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 15 | C83 B | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 0.48 | C93 | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 23 | C90 B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 0.65 | C98 | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 0.74 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 4.5 | B | 0.049 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 1.5 | B | 0.049 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 0.55 | C | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 12 | C86 B | 0.30 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 21 | C B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 23 | C90 B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.25 | | 0.049 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 21 | C110 B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 2.5 | C85 | 0.15 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-60to70-82719 (Continued)
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-117 - RE | 2.5 | C85 | 0.15 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 15 | B | 0.049 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 12 | C86 B | 0.30 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.24 | | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.18 | B | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.18 | | 0.049 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 0.55 | C108 | 0.099 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 12 | C86 B | 0.30 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.019 | J | 0.049 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 3.5 | C B | 0.099 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 23 | C B | 0.20 | 0.0050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 1.9 | B | 0.049 | 0.0066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.31 | | 0.049 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 8.6 | B | 0.049 | 0.0062 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 0.79 | | 0.049 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 1.3 | C | 0.099 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 11 | C B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 4.3 | B | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 0.87 | | 0.049 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 23 | C129 B | 0.20 | 0.0050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 0.60 | C | 0.099 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 0.60 | C139 | 0.099 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 4.0 | B | 0.049 | 0.0057 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 1.3 | C134 | 0.099 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 1.1 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.011 | J q | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 6.5 | B | 0.049 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 22 | C B | 0.099 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.24 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 22 | C147 B | 0.099 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.20 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 11 | C135 B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.023 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 24 | C B | 0.099 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 1.4 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 2.5 | C B | 0.099 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 2.5 | C156 B | 0.099 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 2.2 | B | 0.049 | 0.0039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.28 | | 0.049 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 23 | C129 B | 0.20 | 0.0050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 23 | C129 B | 0.20 | 0.0050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 1.9 | B | 0.049 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 3.5 | C128 B | 0.099 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 0.77 | B | 0.049 | 0.0034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 24 | C153 B | 0.099 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 7.5 | B | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 2.5 | C B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 1.3 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 2.5 | C171 B | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 8.5 | B | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.36 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-60to70-82719 (Continued)
## Lab Sample ID: 580-88908-30

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-176 - RE | 1.1 | B | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 5.4 | B | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 2.0 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 3.8 | B | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 16 | C B | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 - RE | 0.079 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.11 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 5.5 | C B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 5.5 | C183 B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 11 | B | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.28 | B | 0.049 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 1.5 | B | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.35 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 16 | C180 B | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 4.0 | B | 0.049 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 1.3 | B | 0.049 | 0.0065 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 2.0 | B | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.14 | B | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 4.2 | C B | 0.099 | 0.0034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 4.2 | C198 B | 0.099 | 0.0034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.54 | | 0.049 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.52 | B | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 0.78 | B | 0.049 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 2.6 | | 0.049 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.21 | | 0.049 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 2.6 | q | 0.049 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.17 | | 0.049 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.43 | | 0.049 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 1.6 | | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.18 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 1.3 | q B | 0.099 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 9.0 | B | 0.099 | 0.0045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 56 | q B | 0.20 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 130 | B | 0.30 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 120 | q B | 0.20 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 67 | B | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 16 | B | 0.099 | 0.0034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 3.2 | q | 0.049 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 410 | q B | 0.30 | 0.0039 | ng/g | 5 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-70to80-82719
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.036 | J | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.0079 | J | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.020 | J | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.068 | J | 0.098 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.064 | | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.010 | J | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 0.17 | | 0.098 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.011 | J | 0.049 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-11 | 0.016 | J q B | 0.098 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.029 | J C | 0.098 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.029 | J C12 | 0.098 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.068 | | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.17 | | 0.049 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 0.27 | | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 0.43 | C | 0.098 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.038 | J | 0.049 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 0.79 | C | 0.098 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 0.33 | C | 0.098 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.14 | | 0.049 | 0.0057 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 | 0.0037 | J | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.15 | | 0.049 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.23 | C | 0.098 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.034 | J | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 0.79 | C20 | 0.098 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.23 | C26 | 0.098 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 0.43 | C18 | 0.098 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 0.58 | | 0.098 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 0.16 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 0.33 | C21 | 0.098 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.014 | J | 0.049 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.033 | J | 0.049 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-36 | 0.013 | J | 0.049 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.15 | | 0.049 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.030 | J | 0.049 | 0.0051 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 0.94 | C | 0.15 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 0.94 | C40 | 0.15 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 0.59 | | 0.049 | 0.049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 | 0.080 | J C | 0.098 | 0.043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 4.0 | C B | 0.15 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 0.22 | C B | 0.098 | 0.048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 | 0.074 | G | 0.056 | 0.056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 4.0 | C44 B | 0.15 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 0.16 | | 0.049 | 0.045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 4.0 | C B | 0.098 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 0.24 | C | 0.098 | 0.046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 0.22 | C45 B | 0.098 | 0.048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 7.7 | B | 0.049 | 0.048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 0.24 | C50 | 0.098 | 0.046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 0.0062 | J | 0.049 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 0.67 | | 0.049 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 0.12 | J C | 0.15 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.12 | | 0.049 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 5.5 | C B | 0.20 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 0.12 | J C59 | 0.15 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.072 | | 0.049 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 0.71 | | 0.049 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 4.0 | C44 B | 0.15 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 2.7 | | 0.049 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.039 | J | 0.049 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 0.38 | | 0.049 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 4.0 | C49 B | 0.098 | 0.038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 5.5 | C61 B | 0.20 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 0.94 | C40 | 0.15 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 0.39 | | 0.049 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 | 0.080 | J C43 | 0.098 | 0.043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 5.5 | C61 B | 0.20 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 0.12 | J C59 | 0.15 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 5.5 | C61 B | 0.20 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 0.083 | | 0.049 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.30 | | 0.049 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 0.98 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 12 | C | 0.098 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 2.8 | B | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 1.4 | C B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 6.9 | C | 0.29 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 2.8 | C | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 17 | C B | 0.15 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 2.8 | C88 | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 4.8 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.63 | C | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 0.054 | | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 12 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 0.068 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 0.41 | C | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 12 | C83 | 0.098 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.63 | C93 | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 17 | C90 B | 0.15 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 0.41 | C98 | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 0.77 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 2.6 | | 0.049 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 1.1 | | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 0.30 | C | 0.098 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 13 | C | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-111 | 0.13 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 17 | C90 B | 0.15 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.13 | | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 13 | C110 | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 1.4 | C85 B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 1.4 | C85 B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 8.6 | B | 0.049 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.37 | | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-121 | 0.073 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.10 | | 0.049 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.10 | | 0.049 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 0.30 | C108 | 0.098 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-128 | 1.7 | C B | 0.098 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 16 | C B | 0.20 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 1.2 | | 0.049 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.18 | | 0.049 | 0.0096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 5.4 | | 0.049 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 1.1 | | 0.049 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 1.0 | C | 0.098 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 10 | C B | 0.098 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 3.4 | B | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 0.45 | | 0.049 | 0.0078 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 16 | C129 B | 0.20 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 0.62 | C | 0.098 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 0.62 | C139 | 0.098 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 2.6 | | 0.049 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 1.0 | C134 | 0.098 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 0.71 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 | 0.0087 | J | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 8.0 | B | 0.049 | 0.0082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 20 | C B | 0.098 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.47 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 20 | C147 B | 0.098 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.34 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 10 | C135 B | 0.098 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.0088 | J | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 19 | C B | 0.098 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 2.1 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-155 | 0.019 | J | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 1.5 | C | 0.098 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 1.5 | C156 | 0.098 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 1.2 | | 0.049 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.23 | | 0.049 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 16 | C129 B | 0.20 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.048 | J | 0.049 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 16 | C129 B | 0.20 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 1.3 | | 0.049 | 0.0066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-165 | 0.084 | | 0.049 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 1.7 | C128 B | 0.098 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 0.47 | | 0.049 | 0.0051 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 19 | C153 B | 0.098 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-169 | 0.037 | J | 0.049 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 5.5 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 1.9 | C | 0.098 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 0.99 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 1.9 | C171 | 0.098 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 6.1 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.25 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 0.78 | | 0.049 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 4.6 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 2.0 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 3.4 | | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 13 | C B | 0.098 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-181 | 0.055 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.12 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 4.0 | C B | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 4.0 | C183 B | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 10 | B | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-188 | 0.069 | | 0.049 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.21 | | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 1.2 | B | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.24 | | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 13 | C180 B | 0.098 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 3.1 | | 0.049 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 1.4 | | 0.049 | 0.0057 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 1.6 | | 0.049 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.11 | q | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 3.2 | C B | 0.098 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 3.2 | C198 B | 0.098 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.40 | | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.42 | | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 0.68 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 1.9 | | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.16 | | 0.049 | 0.0036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 2.1 | | 0.049 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.19 | | 0.049 | 0.0069 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.58 | | 0.049 | 0.0070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 2.2 | | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 0.064 | | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 0.44 | q B | 0.098 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 3.6 | q | 0.098 | 0.0043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 29 | q B | 0.20 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 89 | B | 0.29 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 99 | q B | 0.20 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 54 | B | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 13 | q B | 0.098 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 2.9 | | 0.049 | 0.0079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 290 | q B | 0.29 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 0.033 | | 0.0098 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.0075 | J | 0.0098 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.020 | | 0.0098 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.095 | | 0.020 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.0019 | J q | 0.0098 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.081 | | 0.0098 | 0.00087 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.0094 | J q | 0.0098 | 0.00083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 0.24 | | 0.020 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.017 | | 0.0098 | 0.00095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.0032 | J q | 0.0098 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.012 | J B | 0.020 | 0.00082 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.028 | C | 0.020 | 0.00082 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.028 | C12 | 0.020 | 0.00082 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-14 - RE | 0.00090 | J q | 0.0098 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.086 | | 0.0098 | 0.00089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.23 | | 0.0098 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-17 - RE | 0.28 | B | 0.0098 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 0.51 | C B | 0.020 | 0.00035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.056 | | 0.0098 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 0.95 | C B | 0.020 | 0.0057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 0.43 | C B | 0.020 | 0.0054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.19 | B | 0.0098 | 0.0060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.0030 | J q | 0.0098 | 0.00030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.17 | | 0.0098 | 0.0055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.26 | C B | 0.020 | 0.0056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.038 | | 0.0098 | 0.00029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 0.95 | B C20 | 0.020 | 0.0057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.26 | C26 B | 0.020 | 0.0056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 0.51 | C18 B | 0.020 | 0.00035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 0.74 | B | 0.020 | 0.0054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 0.20 | | 0.0098 | 0.00027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 0.43 | B C21 | 0.020 | 0.0054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.016 | | 0.0098 | 0.0061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.036 | | 0.0098 | 0.0061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-36 - RE | 0.012 | | 0.0098 | 0.0055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.20 | B | 0.0098 | 0.0058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.031 | | 0.0098 | 0.0053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 1.2 | C G | 0.058 | 0.058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 1.2 | G C40 | 0.058 | 0.058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 0.73 | G | 0.062 | 0.062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.11 | C G | 0.053 | 0.053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 5.7 | C B G | 0.052 | 0.052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 0.21 | C B q G | 0.060 | 0.060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 5.7 | B C44 G | 0.052 | 0.052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 0.24 | G | 0.056 | 0.056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 4.4 | C B G | 0.047 | 0.047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 0.37 | C G | 0.057 | 0.057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-51 - RE | 0.21 | C45 B q G | 0.060 | 0.060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 11 | B G | 0.059 | 0.059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 0.37 | C50 G | 0.057 | 0.057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.011 | q | 0.0098 | 0.00018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 0.95 | G | 0.042 | 0.042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.15 | C G | 0.039 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.23 | G | 0.040 | 0.040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 8.0 | C B | 0.039 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 0.15 | C59 G | 0.039 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.096 | G | 0.036 | 0.036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 1.0 | G | 0.038 | 0.038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 5.7 | B C44 G | 0.052 | 0.052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 3.2 | B G | 0.042 | 0.042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.42 | B G | 0.036 | 0.036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 4.4 | B C49 G | 0.047 | 0.047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 8.0 | C61 B | 0.039 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 1.2 | G C40 | 0.058 | 0.058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.40 | G | 0.041 | 0.041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.11 | C43 G | 0.053 | 0.053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 8.0 | C61 B | 0.039 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-75 - RE | 0.15 | C59 G | 0.039 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 8.0 | C61 B | 0.039 | 0.039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 0.13 | G | 0.038 | 0.038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.24 | G | 0.035 | 0.035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 1.5 | B | 0.0098 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 13 | C B | 0.020 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 4.4 | B | 0.0098 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 2.0 | C | 0.029 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 9.7 | C B | 0.059 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 3.6 | C B | 0.020 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-89 - RE | 0.10 | | 0.0098 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 21 | C B | 0.029 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 3.6 | C88 B | 0.020 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 5.7 | B | 0.0098 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 0.67 | C | 0.020 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-94 - RE | 0.10 | | 0.0098 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 16 | B | 0.0098 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.11 | | 0.0098 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 0.57 | C | 0.020 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 13 | C83 B | 0.020 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 0.67 | C93 | 0.020 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 21 | B C90 | 0.029 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 0.57 | C98 | 0.020 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 0.80 | | 0.0098 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 4.3 | B G | 0.011 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 1.4 | B G | 0.011 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 0.52 | C | 0.020 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 15 | C B | 0.020 | 0.00034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-111 - RE | 0.10 | | 0.0098 | 0.00032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 21 | B C90 | 0.029 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.24 | G | 0.011 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 15 | B C110 | 0.020 | 0.00034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 2.0 | C85 | 0.029 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 2.0 | C85 | 0.029 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 12 | B G | 0.011 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.26 | | 0.0098 | 0.00031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.15 | B G | 0.013 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.17 | G | 0.011 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 0.52 | C108 | 0.020 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.015 | G | 0.011 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 2.8 | C B | 0.020 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 20 | C B | 0.039 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 1.4 | B | 0.0098 | 0.0046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.27 | | 0.0098 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 6.9 | B | 0.0098 | 0.0044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 1.1 | | 0.0098 | 0.0042 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-134 - RE | 1.4 | C | 0.020 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 9.6 | C B | 0.020 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 3.8 | B | 0.0098 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 0.64 | | 0.0098 | 0.0036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 20 | B C129 | 0.039 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 0.68 | C | 0.020 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 0.68 | C139 | 0.020 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 3.4 | B | 0.0098 | 0.0040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 1.4 | C134 | 0.020 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 0.64 | | 0.0098 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.0053 | J q | 0.0098 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 6.9 | B | 0.0098 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 22 | C B | 0.020 | 0.0039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.41 | | 0.0098 | 0.00058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 22 | B C147 | 0.020 | 0.0039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.32 | | 0.0098 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 9.6 | C135 B | 0.020 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.021 | | 0.0098 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 20 | C B | 0.020 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 1.6 | | 0.0098 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-155 - RE | 0.018 | | 0.0098 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 2.1 | C B | 0.020 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 2.1 | C156 B | 0.020 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 1.8 | B | 0.0098 | 0.0028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.19 | | 0.0098 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 20 | B C129 | 0.039 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 20 | B C129 | 0.039 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 1.4 | B | 0.0098 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 2.8 | C128 B | 0.020 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 0.65 | B | 0.0098 | 0.0025 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 20 | B C153 | 0.020 | 0.0031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 5.7 | B | 0.0098 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 2.0 | C B | 0.020 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 1.1 | B | 0.0098 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 2.0 | C171 B | 0.020 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 6.6 | B | 0.0098 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.28 | | 0.0098 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 0.83 | B | 0.0098 | 0.00030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 4.8 | B | 0.0098 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 1.9 | B | 0.0098 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 3.6 | B | 0.0098 | 0.00032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 13 | C B | 0.020 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-181 - RE | 0.063 | | 0.0098 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.11 | | 0.0098 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 4.3 | C B | 0.020 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 4.3 | B C183 | 0.020 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 9.0 | B | 0.0098 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-188 - RE | 0.063 | | 0.0098 | 0.00031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.21 | B | 0.0098 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 1.2 | B | 0.0098 | 0.00033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.26 | | 0.0098 | 0.00033 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-70to80-82719 (Continued)
## Lab Sample ID: 580-88908-31

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-193 - RE | 13 | C180 B | 0.020 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 3.1 | B | 0.0098 | 0.0060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 1.5 | B | 0.0098 | 0.0071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 1.8 | B | 0.0098 | 0.00089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.12 | B | 0.0098 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 3.5 | C B | 0.020 | 0.00096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 3.5 | C198 B | 0.020 | 0.00096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.42 | | 0.0098 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.45 | B | 0.0098 | 0.00066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 0.72 | B | 0.0098 | 0.00074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 2.2 | | 0.0098 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.16 | | 0.0098 | 0.0045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 2.0 | | 0.0098 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.20 | | 0.0098 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.59 | | 0.0098 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 2.2 | | 0.0098 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.061 | | 0.0098 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 0.57 | B q | 0.020 | 0.00088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 4.4 | B q | 0.020 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 39 | B q G | 0.044 | 0.044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 110 | B | 0.059 | 0.0040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 110 | B q | 0.039 | 0.0027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 55 | B | 0.020 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 14 | B | 0.020 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 2.8 | | 0.0098 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 340 | B q | 0.059 | 0.0067 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.0032 | J q | 0.049 | 0.00080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 0.0029 | J q | 0.098 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.0063 | J B | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.0079 | J | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 0.0032 | J q | 0.049 | 0.00080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 0.0062 | J q C | 0.098 | 0.00068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 0.012 | J C | 0.098 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 0.0045 | J q C | 0.098 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.0025 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.0033 | J | 0.049 | 0.00099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.0020 | J q C | 0.098 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 0.012 | J C20 | 0.098 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.0020 | J q C26 | 0.098 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 0.0062 | J q C18 | 0.098 | 0.00068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 0.0082 | J | 0.098 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 0.0031 | J q | 0.049 | 0.00053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 0.0045 | J q C21 | 0.098 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.0021 | J q | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 0.014 | J C | 0.15 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 0.014 | J C40 | 0.15 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 0.0072 | J q | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-80to90-82719 (Continued)
## Lab Sample ID: 580-88908-32

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-44 | 0.045 | J C B | 0.15 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 0.045 | J C44 B | 0.15 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 0.045 | J C B | 0.098 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 0.066 | B | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 0.0086 | J | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 0.053 | J C B | 0.20 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 0.0081 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 0.045 | J C44 B | 0.15 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 0.029 | J | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.0037 | J q | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 0.045 | J C49 B | 0.098 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 0.053 | J C61 B | 0.20 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 0.014 | J C40 | 0.15 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 0.0055 | J | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 0.053 | J C61 B | 0.20 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 0.053 | J C61 B | 0.20 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 0.10 | C | 0.098 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 0.022 | J B | 0.049 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 0.0092 | J C B | 0.15 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 0.052 | J C | 0.29 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 0.052 | J C86 | 0.29 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 0.027 | J C | 0.098 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 0.13 | J C B | 0.15 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 0.027 | J C88 | 0.098 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 0.037 | J | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.0057 | J q C | 0.098 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 0.10 | | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 0.052 | J C86 | 0.29 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 0.10 | C83 | 0.098 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.0057 | J q C93 | 0.098 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 0.13 | J C90 B | 0.15 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 0.0080 | J | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 0.016 | J | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 0.0094 | J | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 0.052 | J C86 | 0.29 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 0.11 | C | 0.098 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 0.13 | J C90 B | 0.15 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 0.11 | C110 | 0.098 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 0.0092 | J C85 B | 0.15 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 0.0092 | J C85 B | 0.15 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 0.067 | B | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 0.052 | J C86 | 0.29 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.0035 | J q | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 0.052 | J C86 | 0.29 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 0.015 | J q C B | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 0.13 | J C B | 0.20 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 0.0090 | J | 0.049 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 0.044 | J | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 0.0083 | J | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 0.0074 | J q C | 0.098 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 0.078 | J C B | 0.098 | 0.00081 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-80to90-82719 (Continued)
## Lab Sample ID: 580-88908-32

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | 0.032 | J B | 0.049 | 0.00061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 0.0028 | J q | 0.049 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 0.13 | J C129 B | 0.20 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 0.0042 | J q C | 0.098 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 0.0042 | J q C139 | 0.098 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 0.022 | J | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 0.0074 | J q C134 | 0.098 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 0.0069 | J q | 0.049 | 0.00077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 0.059 | B | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 0.17 | C B | 0.098 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 0.17 | C147 B | 0.098 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.0032 | J | 0.049 | 0.00057 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 0.078 | J C135 B | 0.098 | 0.00081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 0.16 | C B | 0.098 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 0.015 | J q | 0.049 | 0.00069 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 0.012 | J q C | 0.098 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 0.012 | J q C156 | 0.098 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 0.012 | J | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.0030 | J | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 0.13 | J C129 B | 0.20 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 0.13 | J C129 B | 0.20 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 0.010 | J | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 0.015 | J q C128 B | 0.098 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 0.0044 | J q | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 0.16 | C153 B | 0.098 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 0.052 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 0.019 | J q C | 0.098 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 0.010 | J q | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 0.019 | J q C171 | 0.098 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 0.060 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 0.0070 | J q | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 0.043 | J B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 0.018 | J | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 0.029 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 0.12 | C B | 0.098 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.0030 | J q | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 0.038 | J C B | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 0.038 | J C183 B | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 0.087 | B | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 0.012 | J q B | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 0.12 | C180 B | 0.098 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 0.025 | J | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 0.0073 | J q | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 0.017 | J q | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 0.033 | J q C B | 0.098 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 0.033 | J q C198 B | 0.098 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.0059 | J q | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 0.0075 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 0.020 | J q | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 0.22 | q | 0.049 | 0.0058 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 0.028 | J | 0.049 | 0.00044 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-80to90-82719 (Continued)
## Lab Sample ID: 580-88908-32

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Monochlorobiphenyls | 0.0032 | J | 0.049 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 0.0092 | J B | 0.098 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 0.055 | J | 0.098 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 0.29 | q B | 0.20 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 0.70 | q B | 0.29 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 0.81 | q B | 0.20 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 0.50 | q B | 0.098 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 0.12 | B | 0.098 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 0.22 | q | 0.049 | 0.0048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 2.7 | q B | 0.29 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.00083 | J | 0.0096 | 0.00014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.00092 | J | 0.0096 | 0.00015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.0016 | J | 0.019 | 0.00029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.0017 | J | 0.0096 | 0.00019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 0.0024 | J q | 0.019 | 0.00019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.00062 | J q | 0.0096 | 0.00021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.0047 | J B | 0.019 | 0.00018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.0015 | J | 0.0096 | 0.00018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.0035 | J | 0.0096 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 0.0040 | J B | 0.0096 | 0.00028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 0.0058 | J C B | 0.019 | 0.00024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.0011 | J q | 0.0096 | 0.00034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 0.011 | J C B | 0.019 | 0.00026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 0.0049 | J C B | 0.019 | 0.00024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.0021 | J B | 0.0096 | 0.00027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.0023 | J | 0.0096 | 0.00025 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.0036 | J C B | 0.019 | 0.00025 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 0.011 | J B C20 | 0.019 | 0.00026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.0036 | J C26 B | 0.019 | 0.00025 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 0.0058 | J C18 B | 0.019 | 0.00024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 0.0077 | J B | 0.019 | 0.00024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 0.0024 | J q | 0.0096 | 0.00019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 0.0049 | J B C21 | 0.019 | 0.00024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.00030 | J q | 0.0096 | 0.00028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.0020 | J B | 0.0096 | 0.00026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.00042 | J q | 0.0096 | 0.00024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 0.012 | J C | 0.029 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 0.012 | J C40 | 0.029 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 0.0087 | J | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 0.044 | C B | 0.029 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 0.044 | B C44 | 0.029 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 0.0025 | J | 0.0096 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 0.045 | C B | 0.019 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 0.0029 | J C q | 0.019 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 0.072 | B | 0.0096 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 0.0029 | J C50 q | 0.019 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.00056 | J q | 0.0096 | 0.00012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 0.0086 | J | 0.0096 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-58 - RE | 0.00069 | J | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.0019 | J C | 0.029 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 0.053 | C B | 0.038 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-80to90-82719 (Continued)
## Lab Sample ID: 580-88908-32

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-62 - RE | 0.0019 | J C59 | 0.029 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.00089 | J | 0.0096 | 0.00034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 0.0069 | J q | 0.0096 | 0.00035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 0.044 | B C44 | 0.029 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 0.033 | B | 0.0096 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.0040 | J B | 0.0096 | 0.00033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 0.045 | B C49 | 0.019 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 0.053 | C61 B | 0.038 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 0.012 | J C40 | 0.029 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.0038 | J q | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 0.053 | C61 B | 0.038 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 0.0019 | J C59 | 0.029 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 0.053 | C61 B | 0.038 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 0.0013 | J q | 0.0096 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.0020 | J | 0.0096 | 0.00032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 0.0089 | J B q | 0.0096 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 0.11 | C B | 0.019 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 0.025 | B | 0.0096 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 0.012 | J C | 0.029 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 0.055 | J C B | 0.057 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 0.055 | J B C86 | 0.057 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 0.029 | C B | 0.019 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 0.15 | C B | 0.029 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 0.029 | C88 B | 0.019 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 0.041 | B | 0.0096 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 0.0051 | J C | 0.019 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 0.11 | B | 0.0096 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.00075 | J q | 0.0096 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 0.055 | J B C86 | 0.057 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 0.0053 | J C | 0.019 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 0.11 | C83 B | 0.019 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 0.0051 | J C93 | 0.019 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 0.15 | B C90 | 0.029 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 0.0053 | J C98 | 0.019 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 0.0078 | J | 0.0096 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 0.017 | B | 0.0096 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 0.010 | B | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 0.0020 | J C q | 0.019 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 0.055 | J B C86 | 0.057 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 0.12 | C B | 0.019 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 0.15 | B C90 | 0.029 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.0011 | J q | 0.0096 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 0.12 | B C110 | 0.019 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 0.012 | J C85 | 0.029 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 0.012 | J C85 | 0.029 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 0.067 | B | 0.0096 | 0.00058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 0.055 | J B C86 | 0.057 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.0039 | J | 0.0096 | 0.00032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.0013 | J | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 0.0020 | J q C108 | 0.019 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 0.055 | J B C86 | 0.057 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-80to90-82719 (Continued)
## Lab Sample ID: 580-88908-32

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-128 - RE | 0.019 | C B | 0.019 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 0.14 | C B | 0.038 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 0.012 | B | 0.0096 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.0023 | J | 0.0096 | 0.00088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 0.048 | B | 0.0096 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 0.0092 | J | 0.0096 | 0.00083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 0.0082 | J C q | 0.019 | 0.00088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 0.085 | C B | 0.019 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 0.033 | B | 0.0096 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 0.0038 | J | 0.0096 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 0.14 | B C129 | 0.038 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 0.0046 | J C q | 0.019 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 0.0046 | J C139 q | 0.019 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 0.024 | B | 0.0096 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 0.0082 | J C134 q | 0.019 | 0.00088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 0.0080 | J | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 0.060 | B | 0.0096 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 0.18 | C B | 0.019 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.0040 | J | 0.0096 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 0.18 | B C147 | 0.019 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.0034 | J | 0.0096 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 0.085 | C135 B | 0.019 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 0.17 | C B | 0.019 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 0.017 | | 0.0096 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 0.011 | J C B | 0.019 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 0.011 | J C156 B | 0.019 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 0.012 | B | 0.0096 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.0018 | J q | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 0.14 | B C129 | 0.038 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 0.14 | B C129 | 0.038 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 0.013 | B | 0.0096 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 0.019 | C128 B | 0.019 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 0.0038 | J B | 0.0096 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 0.17 | B C153 | 0.019 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 0.049 | B | 0.0096 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 0.017 | J C B | 0.019 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 0.011 | B | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 0.017 | J C171 B | 0.019 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 0.057 | B | 0.0096 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.0041 | J | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 0.0074 | J B | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 0.040 | B | 0.0096 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 0.017 | B | 0.0096 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 0.029 | B | 0.0096 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 0.11 | C B | 0.019 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.0017 | J | 0.0096 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 0.037 | C B | 0.019 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 0.037 | B C183 | 0.019 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 0.082 | B | 0.0096 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-188 - RE | 0.00082 | J | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.0019 | J B q | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-80to90-82719 (Continued)
## Lab Sample ID: 580-88908-32

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-190 - RE | 0.012 | B | 0.0096 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.0039 | J | 0.0096 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 0.11 | C180 B | 0.019 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 0.021 | B | 0.0096 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 0.0084 | J B | 0.0096 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 0.014 | B q | 0.0096 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.0016 | J B q | 0.0096 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 0.034 | C B | 0.019 | 0.00080 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 0.034 | C198 B | 0.019 | 0.00080 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.0051 | J | 0.0096 | 0.00058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.0037 | J B q | 0.0096 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 0.0075 | J B q | 0.0096 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 0.020 | | 0.0096 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 0.016 | | 0.0096 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.0055 | J | 0.0096 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 0.025 | | 0.0096 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.0018 | J | 0.0096 | 0.00014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 0.013 | J B q | 0.019 | 0.00019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 0.051 | B q | 0.019 | 0.00026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 0.30 | B q | 0.038 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 0.78 | B q | 0.057 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 0.87 | B q | 0.038 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 0.48 | B q | 0.019 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 0.12 | B q | 0.019 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 0.022 | | 0.0096 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 2.7 | B q | 0.057 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-11 | 0.0050 | J q B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.0036 | J q | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 0.0049 | J | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 0.0063 | J q C | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 0.016 | J C | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 0.0062 | J q C | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.0032 | J q | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.0023 | J q C | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 0.016 | J C20 | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.0023 | J q C26 | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 0.0063 | J q C18 | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 0.0097 | J | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 0.0042 | J q | 0.049 | 0.00094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 0.0062 | J q C21 | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.0023 | J q | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 0.015 | J q C | 0.15 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 0.015 | J q C40 | 0.15 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 0.011 | J q | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 0.058 | J C B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 0.058 | J C44 B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 0.056 | J C B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-90to100-82719 (Continued)
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-52 | 0.086 | B | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 0.0077 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 0.0030 | J q C | 0.15 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 0.056 | J C B | 0.20 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 0.0030 | J q C59 | 0.15 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 0.0094 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 0.058 | J C44 B | 0.15 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 0.039 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.0048 | J q | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 0.056 | J C49 B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 0.056 | J C61 B | 0.20 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 0.015 | J q C40 | 0.15 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 0.0056 | J q | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 0.056 | J C61 B | 0.20 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 0.0030 | J q C59 | 0.15 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 0.056 | J C61 B | 0.20 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 0.12 | C | 0.099 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 0.023 | J q B | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 0.0096 | J q C B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 0.057 | J C | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 0.057 | J C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 0.034 | J C | 0.099 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 0.15 | C B | 0.15 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 0.034 | J C88 | 0.099 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 0.047 | J | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.0041 | J q C | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 0.12 | | 0.049 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 0.057 | J C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 0.0047 | J q C | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 0.12 | C83 | 0.099 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.0041 | J q C93 | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 0.15 | C90 B | 0.15 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 0.0047 | J q C98 | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 0.0095 | J | 0.049 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 0.017 | J | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 0.010 | J q | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 0.0023 | J q C | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 0.057 | J C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 0.12 | C | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 0.15 | C90 B | 0.15 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 0.12 | C110 | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 0.0096 | J q C85 B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 0.0096 | J q C85 B | 0.15 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 0.069 | B | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 0.057 | J C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.0071 | J | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 0.0023 | J q C108 | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 0.057 | J C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 0.019 | J C B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 0.14 | J C B | 0.20 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 0.0085 | J q | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-90to100-82719 (Continued)
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | 0.048 | J | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 0.0071 | J q | 0.049 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 0.0074 | J C | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 0.082 | J C B | 0.099 | 0.00089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 0.039 | J B | 0.049 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 0.0040 | J | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 0.14 | J C129 B | 0.20 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 0.0055 | J C | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 0.0055 | J C139 | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 0.024 | J | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 0.0074 | J C134 | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 0.0047 | J q | 0.049 | 0.00084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 0.067 | B | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 0.20 | C B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.0043 | J | 0.049 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 0.20 | C147 B | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 0.082 | J C135 B | 0.099 | 0.00089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 0.19 | C B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 0.020 | J | 0.049 | 0.00076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 0.014 | J q C | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 0.014 | J q C156 | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 0.012 | J | 0.049 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.0033 | J q | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 0.14 | J C129 B | 0.20 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.0013 | J q | 0.049 | 0.00099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 0.14 | J C129 B | 0.20 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 0.014 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 0.019 | J C128 B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 0.0045 | J q | 0.049 | 0.00083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 0.19 | C153 B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-169 | 0.0022 | J | 0.049 | 0.00089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 0.056 | B | 0.049 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 0.018 | J q C | 0.099 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 0.015 | J | 0.049 | 0.00094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 0.018 | J q C171 | 0.099 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 0.067 | B | 0.049 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.0052 | J | 0.049 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 0.0085 | J | 0.049 | 0.00061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 0.048 | J B | 0.049 | 0.00099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 0.016 | J | 0.049 | 0.00091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 0.032 | J | 0.049 | 0.00066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 0.13 | C B | 0.099 | 0.00076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.0023 | J q | 0.049 | 0.00084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.0033 | J | 0.049 | 0.00081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 0.039 | J C B | 0.099 | 0.00082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 0.039 | J C183 B | 0.099 | 0.00082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 0.092 | B | 0.049 | 0.00084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.0057 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 0.014 | J B | 0.049 | 0.00068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.0050 | J | 0.049 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-192 | 0.0013 | J q | 0.049 | 0.00072 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-90to100-82719 (Continued)
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-193 | 0.13 | C180 B | 0.099 | 0.00076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 0.034 | J | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 0.018 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 0.019 | J | 0.049 | 0.00090 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.0020 | J q | 0.049 | 0.00066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 0.038 | J C B | 0.099 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 0.038 | J C198 B | 0.099 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.0041 | J q | 0.049 | 0.00070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.0032 | J q | 0.049 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 0.0047 | J q | 0.049 | 0.00075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 0.023 | J | 0.049 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-204 | 0.0012 | J q | 0.049 | 0.00072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.0040 | J q | 0.049 | 0.00079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 0.024 | J | 0.049 | 0.0036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 0.021 | J | 0.049 | 0.00083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 0.0050 | J q B | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 0.059 | J q | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 0.35 | q B | 0.20 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 0.80 | q B | 0.30 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 0.92 | q B | 0.20 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 0.56 | q B | 0.099 | 0.00082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 0.15 | q B | 0.099 | 0.00084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 0.024 | J | 0.049 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 2.9 | q B | 0.30 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 0.0051 | J | 0.0096 | 0.00013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.0014 | J | 0.0096 | 0.00014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.0021 | J | 0.0096 | 0.00015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.022 | | 0.019 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.0011 | J q | 0.0096 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.010 | | 0.0096 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.0020 | J q | 0.0096 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 0.034 | | 0.019 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.0040 | J q | 0.0096 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.0015 | J | 0.0096 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.0096 | J q B | 0.019 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.0068 | J C | 0.019 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.0068 | J C12 | 0.019 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.0093 | J | 0.0096 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.021 | | 0.0096 | 0.00066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 0.022 | B | 0.0096 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 0.048 | C B | 0.019 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.0064 | J | 0.0096 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 0.054 | C B | 0.019 | 0.00074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 0.029 | C B | 0.019 | 0.00070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.018 | B | 0.0096 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.011 | | 0.0096 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.050 | C B | 0.019 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.0034 | J q | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 0.054 | C20 B | 0.019 | 0.00074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.050 | C26 B | 0.019 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 0.048 | C18 B | 0.019 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-90to100-82719 (Continued)
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-31 - RE | 0.065 | B | 0.019 | 0.00070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 0.013 | | 0.0096 | 0.00034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 0.029 | C21 B | 0.019 | 0.00070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.032 | | 0.0096 | 0.00079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-36 - RE | 0.0015 | J q | 0.0096 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.021 | B | 0.0096 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.0016 | J | 0.0096 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 0.080 | C | 0.029 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 0.080 | C40 | 0.029 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 0.042 | | 0.0096 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.0051 | J C | 0.019 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 0.35 | C B | 0.029 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 0.021 | C B | 0.019 | 0.00076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.0072 | J | 0.0096 | 0.00089 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 0.35 | C44 B | 0.029 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 0.024 | | 0.0096 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 0.21 | C B | 0.019 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 0.030 | C | 0.019 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-51 - RE | 0.021 | C45 B | 0.019 | 0.00076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 0.88 | B | 0.0096 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 0.030 | C50 | 0.019 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.00081 | J q | 0.0096 | 0.00011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-55 - RE | 0.0056 | J q | 0.0096 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 0.089 | | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-58 - RE | 0.0019 | J q | 0.0096 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.013 | J C | 0.029 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.028 | | 0.0096 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 0.64 | C B | 0.038 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 0.013 | J C59 | 0.029 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.0082 | J | 0.0096 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 0.095 | | 0.0096 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 0.35 | C44 B | 0.029 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 0.18 | B | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-67 - RE | 0.016 | | 0.0096 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.0052 | J B | 0.0096 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 0.21 | C49 B | 0.019 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 0.64 | C61 B | 0.038 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 0.080 | C40 | 0.029 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.011 | | 0.0096 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.0051 | J C43 | 0.019 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 0.64 | C61 B | 0.038 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 0.013 | J C59 | 0.029 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 0.64 | C61 B | 0.038 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 0.043 | | 0.0096 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.014 | | 0.0096 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-81 - RE | 0.0013 | J q | 0.0096 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 0.16 | B | 0.0096 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 0.73 | C B | 0.019 | 0.00058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 0.38 | B | 0.0096 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 0.21 | C | 0.029 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 0.90 | C B | 0.058 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-90to100-82719 (Continued)
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-87 - RE | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 0.19 | C B | 0.019 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-89 - RE | 0.015 | | 0.0096 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 1.4 | C B | 0.029 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 0.19 | C88 B | 0.019 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 0.29 | B | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 0.015 | J q C | 0.019 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 1.2 | B | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.0092 | J | 0.0096 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 0.041 | C | 0.019 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 0.73 | C83 B | 0.019 | 0.00058 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 0.015 | J q C93 | 0.019 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 1.4 | C90 B | 0.029 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 0.041 | C98 | 0.019 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 0.016 | | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 0.37 | B | 0.0096 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 0.081 | B | 0.0096 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 0.047 | C | 0.019 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 1.5 | C B | 0.019 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 1.4 | C90 B | 0.029 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.021 | | 0.0096 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 1.5 | C110 B | 0.019 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 0.21 | C85 | 0.029 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 0.21 | C85 | 0.029 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 0.91 | B | 0.0096 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.0084 | J q | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.017 | B | 0.0096 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.016 | | 0.0096 | 0.00076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 0.047 | C108 | 0.019 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.0068 | J q | 0.0096 | 0.00099 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 0.17 | C B | 0.019 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 0.90 | C B | 0.038 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 0.072 | B | 0.0096 | 0.00094 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.022 | | 0.0096 | 0.00090 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 0.41 | B | 0.0096 | 0.00088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 0.024 | | 0.0096 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 0.069 | C | 0.019 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 0.33 | C B | 0.019 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 0.16 | B | 0.0096 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 0.046 | | 0.0096 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 0.90 | C129 B | 0.038 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 0.028 | C | 0.019 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 0.028 | C139 | 0.019 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 0.13 | B | 0.0096 | 0.00081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 0.069 | C134 | 0.019 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 0.049 | | 0.0096 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.0018 | J | 0.0096 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-90to100-82719 (Continued)
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-146 - RE | 0.16 | B | 0.0096 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 0.79 | C B | 0.019 | 0.00079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.0037 | J q | 0.0096 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 0.79 | C147 B | 0.019 | 0.00079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.0050 | J | 0.0096 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 0.33 | C135 B | 0.019 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.0012 | J q | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 0.62 | C B | 0.019 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 0.029 | | 0.0096 | 0.00046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 0.12 | C B | 0.019 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 0.12 | C156 B | 0.019 | 0.00075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 0.10 | B | 0.0096 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 0.90 | C129 B | 0.038 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-162 - RE | 0.0042 | J B | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 0.90 | C129 B | 0.038 | 0.00071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 0.059 | B | 0.0096 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 0.17 | C128 B | 0.019 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 0.041 | B | 0.0096 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 0.62 | C153 B | 0.019 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 0.13 | B | 0.0096 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 0.057 | C B | 0.019 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 0.022 | B | 0.0096 | 0.00051 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 0.057 | C171 B | 0.019 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 0.12 | B | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.0059 | J q | 0.0096 | 0.00047 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 0.016 | B | 0.0096 | 0.00033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 0.092 | B | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 0.030 | B | 0.0096 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 0.057 | B | 0.0096 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 0.22 | C B | 0.019 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.0018 | J q | 0.0096 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 0.081 | C B | 0.019 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 0.081 | C183 B | 0.019 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 0.15 | B | 0.0096 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.0060 | J B | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 0.019 | B | 0.0096 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.0062 | J q | 0.0096 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 0.22 | C180 B | 0.019 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 0.036 | B | 0.0096 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 0.016 | B | 0.0096 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 0.022 | B | 0.0096 | 0.00073 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.0018 | J q B | 0.0096 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 0.046 | C B | 0.019 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 0.046 | C198 B | 0.019 | 0.00078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.0057 | J | 0.0096 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.0071 | J B | 0.0096 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 0.011 | q B | 0.0096 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 0.026 | | 0.0096 | 0.00069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 0.021 | q | 0.0096 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.0031 | J | 0.0096 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.0052 | J q | 0.0096 | 0.00089 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-90to100-82719 (Continued)
## Lab Sample ID: 580-88908-33

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-209 - RE | 0.016 | | 0.0096 | 0.00033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.0086 | J | 0.0096 | 0.00014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 0.10 | q B | 0.019 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 0.40 | q B | 0.019 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 2.8 | q B | 0.038 | 0.00056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 8.5 | q B | 0.058 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 4.3 | q B | 0.038 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 1.0 | q B | 0.019 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 0.17 | q B | 0.019 | 0.00074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 0.029 | q | 0.0096 | 0.00099 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 17 | q B | 0.058 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.0058 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.011 | J q | 0.099 | 0.0034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 0.020 | J q | 0.099 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.0068 | J q B | 0.099 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.0084 | J | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.016 | J | 0.049 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 0.016 | J | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 0.033 | J q C | 0.099 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.0062 | J | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 0.036 | J C | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 0.022 | J C | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.016 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.0046 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.0076 | J C | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.0023 | J q | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 0.036 | J C20 | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.0076 | J C26 | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 0.033 | J q C18 | 0.099 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 0.045 | J | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 0.0085 | J q | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 0.022 | J C21 | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-36 | 0.0085 | J | 0.049 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.012 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 0.069 | J C | 0.15 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 0.069 | J C40 | 0.15 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 0.036 | J | 0.049 | 0.0087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 0.52 | C B | 0.15 | 0.0073 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 0.52 | C44 B | 0.15 | 0.0073 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 0.016 | J q | 0.049 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 0.25 | C B | 0.099 | 0.0067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 0.030 | J C | 0.099 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 1.6 | B | 0.049 | 0.0084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 0.030 | J C50 | 0.099 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 0.098 | | 0.049 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.037 | J | 0.049 | 0.0057 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 0.99 | C B | 0.20 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-100to110-82719 (Continued)
## Lab Sample ID: 580-88908-34

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 0.0096 | J | 0.049 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 0.12 | | 0.049 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 0.52 | C44 B | 0.15 | 0.0073 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 0.22 | | 0.049 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 0.25 | C49 B | 0.099 | 0.0067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 0.99 | C61 B | 0.20 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 0.069 | J C40 | 0.15 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 0.99 | C61 B | 0.20 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 0.99 | C61 B | 0.20 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 0.0087 | J q | 0.049 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.011 | J q | 0.049 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 0.37 | | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 1.5 | C | 0.099 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 0.88 | B | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 0.43 | C B | 0.15 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 2.1 | C | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 0.34 | C | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 | 0.027 | J | 0.049 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 3.0 | C B | 0.15 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 0.34 | C88 | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 0.59 | | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 0.029 | J C | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 0.0082 | J | 0.049 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 2.7 | | 0.049 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 0.013 | J q | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 0.070 | J C | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 1.5 | C83 | 0.099 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 0.029 | J C93 | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 3.0 | C90 B | 0.15 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 0.070 | J C98 | 0.099 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 0.013 | J q | 0.049 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 0.91 | | 0.049 | 0.0034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 0.15 | | 0.049 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 0.11 | C | 0.099 | 0.0036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 3.4 | C | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-112 | 0.0032 | J q | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 3.0 | C90 B | 0.15 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.066 | | 0.049 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 3.4 | C110 | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 0.43 | C85 B | 0.15 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 0.43 | C85 B | 0.15 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 2.2 | B | 0.049 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.035 | J | 0.049 | 0.0038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.034 | J | 0.049 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 0.11 | C108 | 0.099 | 0.0036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-127 | 0.0085 | J | 0.049 | 0.0035 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-100to110-82719 (Continued)
## Lab Sample ID: 580-88908-34

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-128 | 0.52 | C B | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 2.8 | C B | 0.20 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 0.20 | | 0.049 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.055 | | 0.049 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 1.1 | | 0.049 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 0.039 | J | 0.049 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 0.19 | C | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 0.83 | C B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 0.41 | B | 0.049 | 0.00082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 0.17 | | 0.049 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 2.8 | C129 B | 0.20 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 0.061 | J C | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 0.061 | J C139 | 0.099 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 0.46 | | 0.049 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 0.19 | C134 | 0.099 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 0.13 | | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 | 0.0037 | J q | 0.049 | 0.00079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 0.35 | B | 0.049 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 1.9 | C B | 0.099 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 1.9 | C147 B | 0.099 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.0033 | J q | 0.049 | 0.00076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 0.83 | C135 B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.0036 | J | 0.049 | 0.00075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 1.8 | C B | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 0.028 | J q | 0.049 | 0.00093 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 0.41 | C | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 0.41 | C156 | 0.099 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 0.32 | | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.014 | J | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 2.8 | C129 B | 0.20 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.012 | J | 0.049 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 2.8 | C129 B | 0.20 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 0.19 | | 0.049 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 0.52 | C128 B | 0.099 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 0.11 | | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 1.8 | C153 B | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 0.35 | B | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 0.13 | C | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 0.061 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 0.13 | C171 | 0.099 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 0.31 | B | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.014 | J q | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 0.044 | J | 0.049 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 0.19 | B | 0.049 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 0.057 | | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 0.12 | | 0.049 | 0.00094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 0.59 | C B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.0086 | J q | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.0044 | J | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 0.22 | C B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 0.22 | C183 B | 0.099 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-100to110-82719 (Continued)
## Lab Sample ID: 580-88908-34

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-187 | 0.30 | B | 0.049 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.014 | J q | 0.049 | 0.00095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 0.071 | B | 0.049 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.018 | J | 0.049 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 0.59 | C180 B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 0.11 | | 0.049 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 0.047 | J | 0.049 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 0.065 | | 0.049 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.0019 | J q | 0.049 | 0.00074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 0.12 | C B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 0.12 | C198 B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.020 | J | 0.049 | 0.00079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.015 | J q | 0.049 | 0.00075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 0.027 | J | 0.049 | 0.00084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 0.086 | | 0.049 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.0060 | J q | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 0.077 | | 0.049 | 0.0038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 0.0091 | J q | 0.049 | 0.00068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 0.0058 | J | 0.049 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 0.046 | J q B | 0.099 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 0.23 | q | 0.099 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 4.0 | q B | 0.20 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 19 | q B | 0.30 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 12 | q B | 0.20 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 2.5 | q B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 0.50 | q B | 0.099 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 0.077 | | 0.049 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 38 | q B | 0.30 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 0.00074 | J q | 0.0097 | 0.00018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 0.0017 | J q | 0.019 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.0038 | J B | 0.019 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 0.0016 | J B q | 0.0097 | 0.00024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 0.0024 | J C B | 0.019 | 0.00020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 0.0051 | J C B | 0.019 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 0.0021 | J C B | 0.019 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.00072 | J q | 0.0097 | 0.00037 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.0011 | J C B q | 0.019 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 0.0051 | J B C20 | 0.019 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.0011 | J C26 B q | 0.019 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 0.0024 | J C18 B | 0.019 | 0.00020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 0.0029 | J B q | 0.019 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 0.0018 | J q | 0.0097 | 0.00016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 0.0021 | J B C21 | 0.019 | 0.00036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 0.012 | J C | 0.029 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 0.012 | J C40 | 0.029 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 0.0028 | J q | 0.0097 | 0.00066 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 0.036 | C B | 0.029 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 0.015 | J C B | 0.019 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 0.036 | B C44 | 0.029 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 0.025 | C B | 0.019 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 0.0092 | J C | 0.019 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-100to110-82719 (Continued)
## Lab Sample ID: 580-88908-34

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-51 - RE | 0.015 | J C45 B | 0.019 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 0.032 | B | 0.0097 | 0.00063 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 0.0092 | J C50 | 0.019 | 0.00061 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.0030 | J q | 0.0097 | 0.00026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 0.0025 | J q | 0.0097 | 0.00045 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 0.016 | J C B | 0.039 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 0.0014 | J q | 0.0097 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 0.036 | B C44 | 0.029 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 0.0066 | J B q | 0.0097 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.0015 | J B q | 0.0097 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 0.025 | B C49 | 0.019 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 0.016 | J C61 B | 0.039 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 0.012 | J C40 | 0.029 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 0.016 | J C61 B | 0.039 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 0.016 | J C61 B | 0.039 | 0.00042 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 0.0035 | J B q | 0.0097 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 0.037 | C B q | 0.019 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 0.0073 | J B q | 0.0097 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 0.024 | J C B | 0.058 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 0.024 | J B C86 | 0.058 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 0.012 | J C B | 0.019 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 0.060 | C B | 0.029 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 0.012 | J C88 B | 0.019 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 0.017 | B | 0.0097 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 0.0037 | J C q | 0.019 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 0.050 | B | 0.0097 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 0.024 | J B C86 | 0.058 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 0.0084 | J C | 0.019 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 0.037 | C83 B q | 0.019 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 0.0037 | J C93 q | 0.019 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 0.060 | B C90 | 0.029 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 0.0084 | J C98 | 0.019 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 0.0044 | J | 0.0097 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 0.0059 | J B q | 0.0097 | 0.00052 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 0.0030 | J B q | 0.0097 | 0.00049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 0.024 | J B C86 | 0.058 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 0.044 | C B | 0.019 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 0.060 | B C90 | 0.029 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 0.044 | B C110 | 0.019 | 0.00077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 0.022 | B | 0.0097 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 0.024 | J B C86 | 0.058 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 0.024 | J B C86 | 0.058 | 0.00086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 0.0065 | J C B | 0.019 | 0.00083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 0.047 | C B | 0.039 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 0.0039 | J B q | 0.0097 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 0.016 | B | 0.0097 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 0.0013 | J q | 0.0097 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 0.0032 | J C | 0.019 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 0.035 | C B | 0.019 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 0.015 | B | 0.0097 | 0.00031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 0.0012 | J q | 0.0097 | 0.00087 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-100to110-82719 (Continued)
## Lab Sample ID: 580-88908-34

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-138 - RE | 0.047 | B C129 | 0.039 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 0.0088 | J B | 0.0097 | 0.00096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 0.0032 | J C134 | 0.019 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 0.0027 | J q | 0.0097 | 0.00039 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 0.019 | B | 0.0097 | 0.00092 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 0.061 | C B | 0.019 | 0.00095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.0016 | J | 0.0097 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 0.061 | B C147 | 0.019 | 0.00095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.00094 | J q | 0.0097 | 0.00029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 0.035 | C135 B | 0.019 | 0.00041 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 0.057 | C B | 0.019 | 0.00076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 0.0055 | J q | 0.0097 | 0.00035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 0.0039 | J C B q | 0.019 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 0.0039 | J C156 B q | 0.019 | 0.00091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 0.0051 | J B | 0.0097 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 0.047 | B C129 | 0.039 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 0.047 | B C129 | 0.039 | 0.00085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 0.0042 | J B q | 0.0097 | 0.00074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 0.0065 | J C128 B | 0.019 | 0.00083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 0.057 | B C153 | 0.019 | 0.00076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 0.018 | B | 0.0097 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 0.0064 | J C B | 0.019 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 0.0038 | J B | 0.0097 | 0.00062 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 0.0064 | J C171 B | 0.019 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 0.019 | B | 0.0097 | 0.00064 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.0014 | J q | 0.0097 | 0.00057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 0.0025 | J B | 0.0097 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 0.016 | B | 0.0097 | 0.00065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 0.0047 | J B q | 0.0097 | 0.00060 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 0.0097 | B | 0.0097 | 0.00043 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 0.039 | C B | 0.019 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 0.015 | J C B | 0.019 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 0.015 | J B C183 | 0.019 | 0.00054 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 0.028 | B | 0.0097 | 0.00055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 0.0042 | J B | 0.0097 | 0.00044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 0.039 | C180 B | 0.019 | 0.00050 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 0.0095 | J B | 0.0097 | 0.00067 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 0.0047 | J B | 0.0097 | 0.00079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 0.0054 | J B | 0.0097 | 0.00035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 0.012 | J C B | 0.019 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 0.012 | J C198 B | 0.019 | 0.00038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.0024 | J | 0.0097 | 0.00028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.0017 | J B | 0.0097 | 0.00026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 0.0023 | J B | 0.0097 | 0.00029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 0.0071 | J q | 0.0097 | 0.00034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 0.038 | q | 0.0097 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 0.024 | | 0.0097 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 0.00074 | J q | 0.0097 | 0.00019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 0.0055 | J B q | 0.019 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 0.018 | J B q | 0.019 | 0.00032 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 0.16 | B q | 0.039 | 0.00048 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-100to110-82719 (Continued)
## Lab Sample ID: 580-88908-34

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Pentachlorobiphenyls - RE | 0.30 | B q | 0.058 | 0.00081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 0.30 | B q | 0.039 | 0.00072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 0.17 | B q | 0.019 | 0.00053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 0.045 | B q | 0.019 | 0.00040 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 0.038 | q | 0.0097 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 1.1 | B q | 0.058 | 0.00059 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.44 | | 0.054 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.12 | | 0.054 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.22 | | 0.054 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.50 | | 0.11 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 | 0.014 | J | 0.054 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.14 | | 0.054 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.035 | J | 0.054 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 0.44 | | 0.11 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.047 | J | 0.054 | 0.0035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 | 0.014 | J q | 0.054 | 0.0033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.13 | B | 0.11 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.075 | J C | 0.11 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.075 | J C12 | 0.11 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.29 | | 0.054 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.20 | | 0.054 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 1.1 | | 0.054 | 0.0031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 0.53 | C | 0.11 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.97 | | 0.054 | 0.0038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 1.9 | C | 0.11 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 1.0 | C | 0.11 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.20 | | 0.054 | 0.0090 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.44 | | 0.054 | 0.0083 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.22 | C | 0.11 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.20 | | 0.054 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 1.9 | C20 | 0.11 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.22 | C26 | 0.11 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 0.53 | C18 | 0.11 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 0.94 | | 0.11 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 2.6 | | 0.054 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 1.0 | C21 | 0.11 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.012 | J q | 0.054 | 0.0092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.024 | J | 0.054 | 0.0092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 0.30 | | 0.054 | 0.0087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-38 | 0.018 | J | 0.054 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.028 | J | 0.054 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 4.2 | C | 0.16 | 0.15 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 4.2 | C40 | 0.16 | 0.15 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 0.81 | G | 0.16 | 0.16 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 | 1.3 | G C | 0.14 | 0.14 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 41 | C B | 0.16 | 0.14 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 22 | G C B | 0.16 | 0.16 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-46 | 0.52 | G | 0.19 | 0.19 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 41 | C44 B | 0.16 | 0.14 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 0.20 | q G | 0.15 | 0.15 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 16 | G C B | 0.12 | 0.12 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 8.3 | G C | 0.15 | 0.15 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 22 | G C45 B | 0.16 | 0.16 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 14 | G B | 0.16 | 0.16 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 | 8.3 | G C50 | 0.15 | 0.15 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 2.7 | | 0.054 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 0.87 | G | 0.11 | 0.11 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 1.2 | C | 0.16 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.19 | G | 0.11 | 0.11 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 7.4 | C B | 0.22 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 1.2 | C59 | 0.16 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.33 | G | 0.097 | 0.097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 1.1 | G | 0.10 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 41 | C44 B | 0.16 | 0.14 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 3.6 | G | 0.11 | 0.11 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.18 | G | 0.10 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.65 | G | 0.096 | 0.096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 16 | G C49 B | 0.12 | 0.12 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 7.4 | C61 B | 0.22 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 4.2 | C40 | 0.16 | 0.15 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 0.24 | G | 0.11 | 0.11 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 | 1.3 | G C43 | 0.14 | 0.14 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 7.4 | C61 B | 0.22 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 1.2 | C59 | 0.16 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 7.4 | C61 B | 0.22 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 0.27 | G | 0.10 | 0.10 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 0.22 | G | 0.092 | 0.092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 2.1 | | 0.054 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 18 | C | 0.11 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 5.8 | B | 0.054 | 0.0032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 4.3 | C B | 0.16 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 15 | C | 0.32 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 15 | C86 | 0.32 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 11 | C | 0.11 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 36 | C B | 0.16 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 11 | C88 | 0.11 | 0.0027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 8.8 | | 0.054 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 9.0 | C | 0.11 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 2.5 | | 0.054 | 0.0030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 23 | | 0.054 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 1.5 | | 0.054 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 15 | C86 | 0.32 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 2.3 | C | 0.11 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 18 | C83 | 0.11 | 0.0029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 9.0 | C93 | 0.11 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 36 | C90 B | 0.16 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 2.3 | C98 | 0.11 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 3.1 | | 0.054 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-104 | 0.62 | | 0.054 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 4.9 | | 0.054 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 1.7 | | 0.054 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 0.58 | C | 0.11 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 15 | C86 | 0.32 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 25 | C | 0.11 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-111 | 0.21 | | 0.054 | 0.0019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 | 36 | C90 B | 0.16 | 0.0024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 0.34 | | 0.054 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 25 | C110 | 0.11 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 4.3 | C85 B | 0.16 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 4.3 | C85 B | 0.16 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 15 | B | 0.054 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 15 | C86 | 0.32 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.40 | | 0.054 | 0.0018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-121 | 0.27 | | 0.054 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.18 | | 0.054 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.16 | q | 0.054 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 0.58 | C108 | 0.11 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 15 | C86 | 0.32 | 0.0023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 | 0.046 | J | 0.054 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-127 | 0.046 | J | 0.054 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 3.3 | C B | 0.11 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 31 | C B | 0.22 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 2.1 | | 0.054 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 0.36 | | 0.054 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 10 | | 0.054 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 1.8 | | 0.054 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 2.4 | C | 0.11 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 18 | C B | 0.11 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 6.2 | B | 0.054 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 0.95 | | 0.054 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 31 | C129 B | 0.22 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 0.85 | C | 0.11 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 0.85 | C139 | 0.11 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 5.1 | | 0.054 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 2.4 | C134 | 0.11 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 1.4 | | 0.054 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 9.0 | B | 0.054 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 37 | C B | 0.11 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.74 | | 0.054 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 37 | C147 B | 0.11 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.85 | | 0.054 | 0.00080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 18 | C135 B | 0.11 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.83 | | 0.054 | 0.00079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 29 | C B | 0.11 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 2.7 | | 0.054 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-155 | 0.081 | | 0.054 | 0.00076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 2.8 | C | 0.11 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 2.8 | C156 | 0.11 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 2.6 | | 0.054 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-159 | 0.40 | | 0.054 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 31 | C129 B | 0.22 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-161 | 0.018 | J q | 0.054 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.083 | | 0.054 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 31 | C129 B | 0.22 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 2.4 | | 0.054 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-165 | 0.26 | | 0.054 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 3.3 | C128 B | 0.11 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 0.98 | | 0.054 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 | 29 | C153 B | 0.11 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 11 | B | 0.054 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 3.4 | C | 0.11 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 1.9 | | 0.054 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 3.4 | C171 | 0.11 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 10 | B | 0.054 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.44 | | 0.054 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 1.4 | | 0.054 | 0.00071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 7.3 | B | 0.054 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 3.3 | | 0.054 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 5.9 | | 0.054 | 0.00077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 23 | C B | 0.11 | 0.00088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.12 | | 0.054 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.21 | | 0.054 | 0.00095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 6.9 | C B | 0.11 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 6.9 | C183 B | 0.11 | 0.00096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 15 | B | 0.054 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-188 | 0.20 | | 0.054 | 0.00070 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.44 | | 0.054 | 0.0039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 2.2 | B | 0.054 | 0.00079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.49 | | 0.054 | 0.00078 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 23 | C180 B | 0.11 | 0.00088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 6.1 | | 0.054 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 2.8 | | 0.054 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 3.1 | | 0.054 | 0.00092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.24 | | 0.054 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 5.9 | C B | 0.11 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 5.9 | C198 B | 0.11 | 0.00098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.75 | | 0.054 | 0.00072 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.76 | | 0.054 | 0.00068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 1.2 | | 0.054 | 0.00077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 3.8 | | 0.054 | 0.00087 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.31 | | 0.054 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 1.9 | | 0.054 | 0.0084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.23 | | 0.054 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.44 | | 0.054 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 0.51 | | 0.054 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 0.78 | | 0.054 | 0.0028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 1.7 | q B | 0.11 | 0.0034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 11 | q | 0.11 | 0.0066 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 130 | q B | 0.22 | 0.12 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 190 | q B | 0.32 | 0.0084 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Hexachlorobiphenyls | 170 | q B | 0.22 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 93 | B | 0.11 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 25 | B | 0.11 | 0.0039 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 2.6 | | 0.054 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 630 | q B | 0.32 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 1.6 | | 0.053 | 0.0025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.22 | | 0.053 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.68 | | 0.053 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 - RE | 0.86 | | 0.11 | 0.0020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.039 | J | 0.053 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.31 | | 0.053 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.083 | | 0.053 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 1.1 | | 0.11 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.12 | | 0.053 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.048 | J | 0.053 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.15 | B | 0.11 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.14 | C | 0.11 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.14 | C12 | 0.11 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.56 | | 0.053 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.46 | | 0.053 | 0.0022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 1.4 | B | 0.053 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 1.1 | C B | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 1.1 | | 0.053 | 0.0021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 3.2 | C B | 0.11 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 1.4 | C B | 0.11 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.48 | B | 0.053 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.016 | J | 0.053 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.52 | | 0.053 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.39 | C B | 0.11 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.26 | | 0.053 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 3.2 | B C20 | 0.11 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.39 | C26 B | 0.11 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 1.1 | C18 B | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 1.9 | B | 0.11 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 3.0 | | 0.053 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 1.4 | B C21 | 0.11 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.021 | J | 0.053 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.085 | | 0.053 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 0.82 | B | 0.053 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.036 | J | 0.053 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 6.0 | C | 0.16 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 6.0 | C40 | 0.16 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 1.5 | | 0.053 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 1.7 | C | 0.11 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 56 | C B | 0.16 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 27 | C B | 0.11 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.72 | | 0.053 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 56 | B C44 | 0.16 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 0.55 | | 0.053 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 22 | C B | 0.11 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 11 | C | 0.11 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-51 - RE | 27 | C45 B | 0.11 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 35 | B | 0.053 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 11 | C50 | 0.11 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 3.2 | | 0.053 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-55 - RE | 0.042 | J | 0.053 | 0.0090 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 2.0 | | 0.053 | 0.0092 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 1.5 | C | 0.16 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 - RE | 0.64 | | 0.053 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 21 | C B | 0.21 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 1.5 | C59 | 0.16 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.50 | | 0.053 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 2.9 | | 0.053 | 0.0082 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 56 | B C44 | 0.16 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 6.8 | B | 0.053 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 - RE | 0.30 | | 0.053 | 0.0084 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.67 | B | 0.053 | 0.0079 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 22 | B C49 | 0.11 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 21 | C61 B | 0.21 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 6.0 | C40 | 0.16 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 0.30 | | 0.053 | 0.0089 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 1.7 | C43 | 0.11 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 21 | C61 B | 0.21 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 1.5 | C59 | 0.16 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 21 | C61 B | 0.21 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 1.4 | | 0.053 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.39 | | 0.053 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-81 - RE | 0.046 | J q | 0.053 | 0.0091 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 5.8 | B | 0.053 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 34 | C B | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 16 | B | 0.053 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 9.1 | C | 0.16 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 38 | C B | 0.32 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 38 | B C86 | 0.32 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 16 | C B | 0.11 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 - RE | 0.41 | | 0.053 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 69 | C B | 0.16 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 16 | C88 B | 0.11 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 15 | B | 0.053 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 11 | C | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 - RE | 2.9 | | 0.053 | 0.0016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 51 | B | 0.053 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 1.9 | | 0.053 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 38 | B C86 | 0.32 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 3.2 | C | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 34 | C83 B | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 11 | C93 | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 69 | B C90 | 0.16 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 3.2 | C98 | 0.11 | 0.0015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 3.6 | | 0.053 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-104 - RE | 0.74 | | 0.053 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 16 | B | 0.053 | 0.044 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-107 - RE | 3.7 | B | 0.053 | 0.043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 2.0 | C | 0.11 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 38 | B C86 | 0.32 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 59 | C B | 0.11 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-111 - RE | 0.25 | | 0.053 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 69 | B C90 | 0.16 | 0.0013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.95 | | 0.053 | 0.044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 59 | B C110 | 0.11 | 0.0011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 9.1 | C85 | 0.16 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 - RE | 9.1 | C85 | 0.16 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 43 | B | 0.053 | 0.044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 38 | B C86 | 0.32 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.40 | | 0.053 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-121 - RE | 0.30 | | 0.053 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.54 | B | 0.053 | 0.050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.62 | | 0.053 | 0.043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 2.0 | C108 | 0.11 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 38 | B C86 | 0.32 | 0.0012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.25 | | 0.053 | 0.045 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 9.2 | C B | 0.11 | 0.0096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 58 | C B | 0.21 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 4.3 | B | 0.053 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.95 | | 0.053 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 21 | B | 0.053 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 2.4 | | 0.053 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 4.4 | C | 0.11 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 26 | C B | 0.11 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 10 | B | 0.053 | 0.00075 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 2.7 | | 0.053 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 58 | B C129 | 0.21 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 1.5 | C | 0.11 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 1.5 | C139 | 0.11 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 9.9 | B | 0.053 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 4.4 | C134 | 0.11 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 2.6 | | 0.053 | 0.00095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.037 | J q | 0.053 | 0.00073 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 12 | B | 0.053 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 55 | C B | 0.11 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.85 | | 0.053 | 0.00097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 55 | B C147 | 0.11 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 1.0 | | 0.053 | 0.00071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 26 | C135 B | 0.11 | 0.0010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 1.0 | | 0.053 | 0.00069 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 45 | C B | 0.11 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 3.0 | | 0.053 | 0.00086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-155 - RE | 0.096 | | 0.053 | 0.00067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 7.1 | C B | 0.11 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 7.1 | C156 B | 0.11 | 0.0098 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 6.0 | B | 0.053 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.42 | | 0.053 | 0.0081 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 58 | B C129 | 0.21 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-163 - RE | 58 | B C129 | 0.21 | 0.0099 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 4.2 | B | 0.053 | 0.0086 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-165 - RE | 0.32 | | 0.053 | 0.0096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 9.2 | C128 B | 0.11 | 0.0096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 2.2 | B | 0.053 | 0.0071 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 45 | B C153 | 0.11 | 0.0088 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 14 | B | 0.053 | 0.00046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 4.9 | C B | 0.11 | 0.00047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 2.4 | B | 0.053 | 0.00046 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 4.9 | C171 B | 0.11 | 0.00047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 14 | B | 0.053 | 0.00048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.60 | | 0.053 | 0.00043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 - RE | 1.8 | B | 0.053 | 0.00030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 9.7 | B | 0.053 | 0.00048 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 4.2 | B | 0.053 | 0.00044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 7.2 | B | 0.053 | 0.00032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 29 | C B | 0.11 | 0.00037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 - RE | 0.20 | | 0.053 | 0.00041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.27 | | 0.053 | 0.00040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 9.0 | C B | 0.11 | 0.00040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 9.0 | B C183 | 0.11 | 0.00040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 18 | B | 0.053 | 0.00041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-188 - RE | 0.29 | | 0.053 | 0.00030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.61 | B | 0.053 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 2.8 | B | 0.053 | 0.00033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.65 | | 0.053 | 0.00033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 29 | C180 B | 0.11 | 0.00037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 7.1 | B | 0.053 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 3.3 | B | 0.053 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 3.4 | B | 0.053 | 0.00038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.25 | B | 0.053 | 0.00027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 6.4 | C B | 0.11 | 0.00040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 6.4 | C198 B | 0.11 | 0.00040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.81 | | 0.053 | 0.00029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.83 | B | 0.053 | 0.00028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 1.4 | B | 0.053 | 0.00031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 4.2 | | 0.053 | 0.00036 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.37 | | 0.053 | 0.0041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 2.0 | | 0.053 | 0.0093 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.28 | | 0.053 | 0.0065 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.48 | | 0.053 | 0.0067 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 0.50 | | 0.053 | 0.00085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 2.5 | | 0.053 | 0.0026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 3.4 | B | 0.11 | 0.0014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 16 | B | 0.11 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 200 | B q | 0.21 | 0.0097 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 400 | B | 0.32 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 290 | B q | 0.21 | 0.0074 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 120 | B | 0.11 | 0.00056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 28 | B | 0.11 | 0.0017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 2.8 | | 0.053 | 0.0075 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-00to10-82719 (Continued)
## Lab Sample ID: 580-88908-35

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated biphenyls, Total - RE | 1100 | B q | 0.32 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |

## Client Sample ID: J5-SC1b-10to20-82719
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 1.5 | | 0.25 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-2 | 0.097 | J q | 0.25 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-3 | 0.66 | | 0.25 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-4 | 0.87 | | 0.50 | 0.033 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-6 | 0.57 | | 0.25 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-7 | 0.17 | J | 0.25 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-8 | 1.9 | | 0.50 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-9 | 0.21 | J | 0.25 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-10 | 0.058 | J q | 0.25 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-11 | 0.18 | J B | 0.50 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-12 | 0.23 | J C | 0.50 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-13 | 0.23 | J C12 | 0.50 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-15 | 0.81 | | 0.25 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-16 | 0.96 | | 0.25 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-17 | 1.5 | | 0.25 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-18 | 2.2 | C | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-19 | 0.24 | J q | 0.25 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-20 | 4.9 | C | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-21 | 2.1 | C | 0.50 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-22 | 0.94 | | 0.25 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-24 | 0.044 | J | 0.25 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-25 | 0.57 | | 0.25 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-26 | 0.82 | C | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-27 | 0.20 | J | 0.25 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-28 | 4.9 | C20 | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-29 | 0.82 | C26 | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-30 | 2.2 | C18 | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-31 | 3.3 | | 0.50 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-32 | 1.1 | | 0.25 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-33 | 2.1 | C21 | 0.50 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-34 | 0.065 | J | 0.25 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-35 | 0.11 | J | 0.25 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-37 | 1.1 | | 0.25 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-39 | 0.16 | J | 0.25 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-40 | 5.7 | C | 0.75 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-41 | 5.7 | C40 | 0.75 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-42 | 3.8 | | 0.25 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-44 | 24 | C B | 0.75 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-45 | 2.2 | C B | 0.50 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-46 | 0.53 | | 0.25 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-47 | 24 | C44 B | 0.75 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-48 | 1.1 | | 0.25 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-49 | 18 | C B | 0.50 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-50 | 2.4 | C | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-51 | 2.2 | C45 B | 0.50 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-52 | 46 | B | 0.25 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-10to20-82719 (Continued)
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-53 | 2.4 | C50 | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-54 | 0.12 | J | 0.25 | 0.0037 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-56 | 4.2 | | 0.25 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-58 | 0.15 | J q | 0.25 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-59 | 0.91 | C | 0.75 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-60 | 0.81 | | 0.25 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-61 | 35 | C B | 1.0 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-62 | 0.91 | C59 | 0.75 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-63 | 0.57 | | 0.25 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-64 | 5.6 | | 0.25 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-65 | 24 | C44 B | 0.75 | 0.023 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-66 | 16 | | 0.25 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-67 | 0.24 | J q | 0.25 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-68 | 0.57 | | 0.25 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-69 | 18 | C49 B | 0.50 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-70 | 35 | C61 B | 1.0 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-71 | 5.7 | C40 | 0.75 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-72 | 1.1 | | 0.25 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-74 | 35 | C61 B | 1.0 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-75 | 0.91 | C59 | 0.75 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-76 | 35 | C61 B | 1.0 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-77 | 1.3 | | 0.25 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-79 | 1.1 | | 0.25 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-81 | 1.2 | | 0.25 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-82 | 8.0 | | 0.25 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-83 | 50 | C | 0.50 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-84 | 22 | B | 0.25 | 0.015 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-85 | 11 | C B | 0.75 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-86 | 49 | C | 1.5 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-87 | 49 | C86 | 1.5 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-88 | 12 | C | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-89 | 0.58 | | 0.25 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-90 | 86 | C B | 0.75 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-91 | 12 | C88 | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-92 | 18 | | 0.25 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-93 | 1.5 | C | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-94 | 0.39 | q | 0.25 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-95 | 69 | | 0.25 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-96 | 0.53 | | 0.25 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-97 | 49 | C86 | 1.5 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-98 | 2.9 | C | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-99 | 50 | C83 | 0.50 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-100 | 1.5 | C93 | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-101 | 86 | C90 B | 0.75 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-102 | 2.9 | C98 | 0.50 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-103 | 1.7 | | 0.25 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-105 | 19 | | 0.25 | 0.057 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-107 | 5.1 | | 0.25 | 0.052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-108 | 2.3 | C | 0.50 | 0.056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-109 | 49 | C86 | 1.5 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-110 | 92 | C | 0.50 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-10to20-82719 (Continued)
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-113 | 86 | C90 B | 0.75 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-114 | 1.2 | | 0.25 | 0.050 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-115 | 92 | C110 | 0.50 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-116 | 11 | C85 B | 0.75 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-117 | 11 | C85 B | 0.75 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-118 | 60 | B | 0.25 | 0.051 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-119 | 49 | C86 | 1.5 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-120 | 0.81 | | 0.25 | 0.0085 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-122 | 0.77 | | 0.25 | 0.061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-123 | 0.79 | | 0.25 | 0.054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-124 | 2.3 | C108 | 0.50 | 0.056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-125 | 49 | C86 | 1.5 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-126 | 0.067 | J | 0.25 | 0.054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-127 | 0.16 | J | 0.25 | 0.055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-128 | 12 | C B | 0.50 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-129 | 69 | C B | 1.0 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-130 | 5.3 | | 0.25 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-131 | 1.1 | | 0.25 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-132 | 25 | | 0.25 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-133 | 1.5 | | 0.25 | 0.029 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-134 | 4.6 | C | 0.50 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-135 | 24 | C B | 0.50 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-136 | 11 | B | 0.25 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-137 | 3.4 | | 0.25 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-138 | 69 | C129 B | 1.0 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-139 | 1.7 | C | 0.50 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-140 | 1.7 | C139 | 0.50 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-141 | 11 | | 0.25 | 0.028 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-143 | 4.6 | C134 | 0.50 | 0.031 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-144 | 2.9 | | 0.25 | 0.0076 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-145 | 0.071 | J q | 0.25 | 0.0058 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-146 | 13 | B | 0.25 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-147 | 58 | C B | 0.50 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-148 | 0.36 | | 0.25 | 0.0077 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-149 | 58 | C147 B | 0.50 | 0.027 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-150 | 0.36 | | 0.25 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-151 | 24 | C135 B | 0.50 | 0.0080 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-152 | 0.089 | J | 0.25 | 0.0055 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-153 | 55 | C B | 0.50 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-154 | 2.3 | | 0.25 | 0.0068 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-155 | 0.018 | J | 0.25 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-156 | 9.0 | C | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-157 | 9.0 | C156 | 0.50 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-158 | 6.9 | | 0.25 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-159 | 0.53 | | 0.25 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-160 | 69 | C129 B | 1.0 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-162 | 0.27 | | 0.25 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-163 | 69 | C129 B | 1.0 | 0.025 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-164 | 5.1 | | 0.25 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-166 | 12 | C128 B | 0.50 | 0.024 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-167 | 2.8 | | 0.25 | 0.017 | ng/g | 5 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-10to20-82719 (Continued)
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-168 | 55 | C153 B | 0.50 | 0.022 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-169 | 0.073 | J | 0.25 | 0.018 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-170 | 13 | B | 0.25 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-171 | 4.7 | C | 0.50 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-172 | 2.4 | | 0.25 | 0.0061 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-173 | 4.7 | C171 | 0.50 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-174 | 14 | B | 0.25 | 0.0063 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-175 | 0.62 | | 0.25 | 0.0056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-176 | 1.7 | | 0.25 | 0.0040 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-177 | 8.6 | B | 0.25 | 0.0064 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-178 | 3.0 | | 0.25 | 0.0059 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-179 | 5.8 | | 0.25 | 0.0043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-180 | 27 | C B | 0.50 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-181 | 0.18 | J q | 0.25 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-182 | 0.18 | J | 0.25 | 0.0052 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-183 | 8.7 | C B | 0.50 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-185 | 8.7 | C183 B | 0.50 | 0.0053 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-187 | 16 | B | 0.25 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-188 | 0.067 | J | 0.25 | 0.0038 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-189 | 0.51 | | 0.25 | 0.0096 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-190 | 2.6 | B | 0.25 | 0.0044 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-191 | 0.61 | | 0.25 | 0.0043 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-193 | 27 | C180 B | 0.50 | 0.0049 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-194 | 5.2 | | 0.25 | 0.047 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-195 | 2.3 | | 0.25 | 0.056 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-196 | 2.8 | | 0.25 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-197 | 0.15 | J q | 0.25 | 0.0094 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-198 | 6.0 | C B | 0.50 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-199 | 6.0 | C198 B | 0.50 | 0.014 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-200 | 0.79 | | 0.25 | 0.010 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-201 | 0.75 | | 0.25 | 0.0095 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-202 | 1.2 | | 0.25 | 0.011 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-203 | 3.6 | | 0.25 | 0.012 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-205 | 0.25 | q | 0.25 | 0.035 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-206 | 2.9 | q | 0.25 | 0.041 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-207 | 0.28 | | 0.25 | 0.030 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-208 | 0.63 | | 0.25 | 0.032 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-209 | 1.6 | | 0.25 | 0.0060 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls | 2.3 | q | 0.25 | 0.013 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls | 5.0 | q B | 0.50 | 0.016 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls | 20 | q | 0.50 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 170 | q B | 1.0 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 510 | q B | 1.5 | 0.026 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 330 | q B | 1.0 | 0.020 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 110 | q B | 0.50 | 0.0054 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls | 23 | q B | 0.50 | 0.021 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls | 3.8 | q | 0.25 | 0.034 | ng/g | 5 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 1200 | q B | 1.5 | 0.019 | ng/g | 5 | ☼ | 1668A | Total/NA |
| PCB-1 - RE | 2.0 | | 0.049 | 0.0053 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-2 - RE | 0.18 | | 0.049 | 0.0055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-3 - RE | 0.89 | | 0.049 | 0.0057 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-10to20-82719 (Continued)
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-4 - RE | 0.81 | | 0.097 | 0.0035 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-5 - RE | 0.067 | | 0.049 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-6 - RE | 0.56 | | 0.049 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-7 - RE | 0.16 | | 0.049 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-8 - RE | 1.8 | | 0.097 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-9 - RE | 0.20 | | 0.049 | 0.0024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-10 - RE | 0.056 | | 0.049 | 0.0023 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-11 - RE | 0.13 | B | 0.097 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-12 - RE | 0.26 | C | 0.097 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-13 - RE | 0.26 | C12 | 0.097 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-15 - RE | 0.83 | | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-16 - RE | 0.91 | | 0.049 | 0.0025 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-17 - RE | 1.4 | B | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-18 - RE | 2.0 | C B | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-19 - RE | 0.25 | | 0.049 | 0.0023 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-20 - RE | 5.0 | C B | 0.097 | 0.028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-21 - RE | 2.0 | C B | 0.097 | 0.026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-22 - RE | 0.93 | B | 0.049 | 0.029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-24 - RE | 0.028 | J | 0.049 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-25 - RE | 0.57 | | 0.049 | 0.027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-26 - RE | 0.83 | C B | 0.097 | 0.028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-27 - RE | 0.18 | | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-28 - RE | 5.0 | C20 B | 0.097 | 0.028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-29 - RE | 0.83 | C26 B | 0.097 | 0.028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-30 - RE | 2.0 | C18 B | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-31 - RE | 3.3 | B | 0.097 | 0.026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-32 - RE | 1.0 | | 0.049 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-33 - RE | 2.0 | C21 B | 0.097 | 0.026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-34 - RE | 0.074 | | 0.049 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-35 - RE | 0.11 | | 0.049 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-37 - RE | 1.2 | B | 0.049 | 0.028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-39 - RE | 0.16 | | 0.049 | 0.026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-40 - RE | 5.8 | C | 0.15 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-41 - RE | 5.8 | C40 | 0.15 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-42 - RE | 3.9 | | 0.049 | 0.013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-43 - RE | 0.42 | C | 0.097 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-44 - RE | 21 | C B | 0.15 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-45 - RE | 2.1 | C B | 0.097 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-46 - RE | 0.53 | | 0.049 | 0.014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-47 - RE | 21 | C44 B | 0.15 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-48 - RE | 1.1 | | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-49 - RE | 17 | C B | 0.097 | 0.0096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-50 - RE | 2.3 | C | 0.097 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-51 - RE | 2.1 | C45 B | 0.097 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-52 - RE | 37 | B | 0.049 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-53 - RE | 2.3 | C50 | 0.097 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-54 - RE | 0.12 | | 0.049 | 0.0010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-55 - RE | 0.11 | | 0.049 | 0.0085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-56 - RE | 4.0 | | 0.049 | 0.0087 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-58 - RE | 0.22 | | 0.049 | 0.0083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-59 - RE | 0.94 | C | 0.15 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-10to20-82719 (Continued)
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-60 - RE | 0.59 | | 0.049 | 0.0083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-61 - RE | 29 | C B | 0.19 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-62 - RE | 0.94 | C59 | 0.15 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-63 - RE | 0.58 | | 0.049 | 0.0075 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-64 - RE | 5.1 | | 0.049 | 0.0077 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-65 - RE | 21 | C44 B | 0.15 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-66 - RE | 16 | B | 0.049 | 0.0086 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-67 - RE | 0.27 | | 0.049 | 0.0079 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-68 - RE | 0.59 | B | 0.049 | 0.0074 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-69 - RE | 17 | C49 B | 0.097 | 0.0096 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-70 - RE | 29 | C61 B | 0.19 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-71 - RE | 5.8 | C40 | 0.15 | 0.012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-72 - RE | 1.1 | | 0.049 | 0.0083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-73 - RE | 0.42 | C43 | 0.097 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-74 - RE | 29 | C61 B | 0.19 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-75 - RE | 0.94 | C59 | 0.15 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-76 - RE | 29 | C61 B | 0.19 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-77 - RE | 1.3 | | 0.049 | 0.0080 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-79 - RE | 0.77 | | 0.049 | 0.0071 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-81 - RE | 0.044 | J | 0.049 | 0.0085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-82 - RE | 5.0 | B | 0.049 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-83 - RE | 36 | C B | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-84 - RE | 17 | B | 0.049 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-85 - RE | 7.3 | C | 0.15 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-86 - RE | 33 | C B | 0.29 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-87 - RE | 33 | C86 B | 0.29 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-88 - RE | 10 | C B | 0.097 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-89 - RE | 0.44 | | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-90 - RE | 61 | C B | 0.15 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-91 - RE | 10 | C88 B | 0.097 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-92 - RE | 14 | B | 0.049 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-93 - RE | 1.3 | C | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-94 - RE | 0.40 | | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-95 - RE | 52 | B | 0.049 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-96 - RE | 0.42 | | 0.049 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-97 - RE | 33 | C86 B | 0.29 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-98 - RE | 2.4 | C | 0.097 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-99 - RE | 36 | C83 B | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-100 - RE | 1.3 | C93 | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-101 - RE | 61 | C90 B | 0.15 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-102 - RE | 2.4 | C98 | 0.097 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-103 - RE | 1.5 | | 0.049 | 0.0016 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-105 - RE | 12 | B | 0.049 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-107 - RE | 4.0 | B | 0.049 | 0.029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-108 - RE | 1.6 | C | 0.097 | 0.031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-109 - RE | 33 | C86 B | 0.29 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-110 - RE | 61 | C B | 0.097 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-113 - RE | 61 | C90 B | 0.15 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-114 - RE | 0.77 | | 0.049 | 0.027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-115 - RE | 61 | C110 B | 0.097 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-116 - RE | 7.3 | C85 | 0.15 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-10to20-82719 (Continued)
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-117 - RE | 7.3 | C85 | 0.15 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-118 - RE | 43 | B | 0.049 | 0.029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-119 - RE | 33 | C86 B | 0.29 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-120 - RE | 0.62 | | 0.049 | 0.0011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-122 - RE | 0.51 | B | 0.049 | 0.033 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-123 - RE | 0.52 | | 0.049 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-124 - RE | 1.6 | C108 | 0.097 | 0.031 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-125 - RE | 33 | C86 B | 0.29 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-126 - RE | 0.18 | | 0.049 | 0.030 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-128 - RE | 8.7 | C B | 0.097 | 0.0085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-129 - RE | 51 | C B | 0.19 | 0.0088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-130 - RE | 4.2 | B | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-131 - RE | 0.85 | | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-132 - RE | 20 | B | 0.049 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-133 - RE | 1.3 | | 0.049 | 0.010 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-134 - RE | 3.7 | C | 0.097 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-135 - RE | 17 | C B | 0.097 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-136 - RE | 7.8 | B | 0.049 | 0.0022 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-137 - RE | 2.4 | | 0.049 | 0.0090 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-138 - RE | 51 | C129 B | 0.19 | 0.0088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-139 - RE | 1.3 | C | 0.097 | 0.0095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-140 - RE | 1.3 | C139 | 0.097 | 0.0095 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-141 - RE | 8.2 | B | 0.049 | 0.0099 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-143 - RE | 3.7 | C134 | 0.097 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-144 - RE | 1.9 | | 0.049 | 0.0027 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-145 - RE | 0.035 | J | 0.049 | 0.0021 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-146 - RE | 11 | B | 0.049 | 0.0094 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-147 - RE | 44 | C B | 0.097 | 0.0098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-148 - RE | 0.26 | | 0.049 | 0.0028 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-149 - RE | 44 | C147 B | 0.097 | 0.0098 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-150 - RE | 0.28 | | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-151 - RE | 17 | C135 B | 0.097 | 0.0029 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-152 - RE | 0.064 | | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-153 - RE | 42 | C B | 0.097 | 0.0078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-154 - RE | 1.6 | | 0.049 | 0.0025 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-156 - RE | 6.4 | C B | 0.097 | 0.0090 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-157 - RE | 6.4 | C156 B | 0.097 | 0.0090 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-158 - RE | 4.9 | B | 0.049 | 0.0069 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-159 - RE | 0.36 | | 0.049 | 0.0072 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-160 - RE | 51 | C129 B | 0.19 | 0.0088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-163 - RE | 51 | C129 B | 0.19 | 0.0088 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-164 - RE | 3.9 | B | 0.049 | 0.0076 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-166 - RE | 8.7 | C128 B | 0.097 | 0.0085 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-167 - RE | 2.0 | B | 0.049 | 0.0059 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-168 - RE | 42 | C153 B | 0.097 | 0.0078 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-170 - RE | 9.9 | B | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-171 - RE | 3.4 | C B | 0.097 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-172 - RE | 1.8 | B | 0.049 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-173 - RE | 3.4 | C171 B | 0.097 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-174 - RE | 11 | B | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-175 - RE | 0.47 | | 0.049 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-10to20-82719 (Continued)
## Lab Sample ID: 580-88908-36

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-176 - RE | 1.3 | B | 0.049 | 0.0012 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-177 - RE | 6.5 | B | 0.049 | 0.0020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-178 - RE | 2.3 | B | 0.049 | 0.0019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-179 - RE | 4.7 | B | 0.049 | 0.0013 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-180 - RE | 20 | C B | 0.097 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-181 - RE | 0.14 | | 0.049 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-182 - RE | 0.15 | | 0.049 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-183 - RE | 6.7 | C B | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-185 - RE | 6.7 | C183 B | 0.097 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-187 - RE | 13 | B | 0.049 | 0.0017 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-189 - RE | 0.40 | B | 0.049 | 0.0046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-190 - RE | 1.8 | B | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-191 - RE | 0.45 | | 0.049 | 0.0014 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-193 - RE | 20 | C180 B | 0.097 | 0.0015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-194 - RE | 4.7 | B | 0.049 | 0.020 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-195 - RE | 2.0 | B | 0.049 | 0.024 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-196 - RE | 2.3 | B | 0.049 | 0.0046 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-197 - RE | 0.18 | B | 0.049 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-198 - RE | 5.0 | C B | 0.097 | 0.0049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-199 - RE | 5.0 | C198 B | 0.097 | 0.0049 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-200 - RE | 0.60 | | 0.049 | 0.0036 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-201 - RE | 0.64 | B | 0.049 | 0.0034 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-202 - RE | 1.0 | B | 0.049 | 0.0038 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-203 - RE | 3.0 | | 0.049 | 0.0044 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-205 - RE | 0.22 | | 0.049 | 0.015 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-206 - RE | 5.3 | q | 0.049 | 0.0081 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-207 - RE | 0.24 | | 0.049 | 0.0056 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-208 - RE | 0.61 | | 0.049 | 0.0057 | ng/g | 1 | ☼ | 1668A | Total/NA |
| PCB-209 - RE | 1.2 | | 0.049 | 0.0026 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Monochlorobiphenyls - RE | 3.1 | | 0.049 | 0.0055 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Dichlorobiphenyls - RE | 4.9 | B | 0.097 | 0.0023 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Trichlorobiphenyls - RE | 20 | q B | 0.097 | 0.019 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Tetrachlorobiphenyls - RE | 150 | B | 0.19 | 0.0091 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Pentachlorobiphenyls - RE | 370 | B | 0.29 | 0.011 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Hexachlorobiphenyls - RE | 250 | B | 0.19 | 0.0070 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Heptachlorobiphenyls - RE | 84 | B | 0.097 | 0.0018 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Octachlorobiphenyls - RE | 20 | B | 0.097 | 0.0083 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Total Nonachlorobiphenyls - RE | 6.2 | q | 0.049 | 0.0065 | ng/g | 1 | ☼ | 1668A | Total/NA |
| Polychlorinated biphenyls, Total - RE | 900 | q B | 0.29 | 0.0074 | ng/g | 1 | ☼ | 1668A | Total/NA |

## Client Sample ID: 711-82719
## Lab Sample ID: 580-88908-74

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.0030 | J B | 0.040 | 0.00057 | ng/L | 1 | | 1668A | Total/NA |
| PCB-3 | 0.0025 | J q B | 0.040 | 0.00061 | ng/L | 1 | | 1668A | Total/NA |
| PCB-5 | 0.0023 | J q | 0.040 | 0.0014 | ng/L | 1 | | 1668A | Total/NA |
| PCB-8 | 0.0046 | J q B | 0.060 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-11 | 0.025 | J B | 0.060 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-12 | 0.0045 | J q C B | 0.080 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-13 | 0.0045 | J q C12 B | 0.080 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-14 | 0.0038 | J | 0.040 | 0.0011 | ng/L | 1 | | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: 711-82719 (Continued)
## Lab Sample ID: 580-88908-74

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-15 | 0.0040 | J q B | 0.040 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-17 | 0.0036 | J q B | 0.040 | 0.0010 | ng/L | 1 | | 1668A | Total/NA |
| PCB-18 | 0.0077 | J C B | 0.080 | 0.00090 | ng/L | 1 | | 1668A | Total/NA |
| PCB-20 | 0.0067 | J C B | 0.080 | 0.00078 | ng/L | 1 | | 1668A | Total/NA |
| PCB-21 | 0.0052 | J C B | 0.080 | 0.00074 | ng/L | 1 | | 1668A | Total/NA |
| PCB-22 | 0.0029 | J q B | 0.040 | 0.00082 | ng/L | 1 | | 1668A | Total/NA |
| PCB-25 | 0.00089 | J q B | 0.040 | 0.00075 | ng/L | 1 | | 1668A | Total/NA |
| PCB-26 | 0.0029 | J q C B | 0.080 | 0.00077 | ng/L | 1 | | 1668A | Total/NA |
| PCB-27 | 0.0021 | J q B | 0.040 | 0.00076 | ng/L | 1 | | 1668A | Total/NA |
| PCB-28 | 0.0067 | J C20 B | 0.080 | 0.00078 | ng/L | 1 | | 1668A | Total/NA |
| PCB-29 | 0.0029 | J q C26 B | 0.080 | 0.00077 | ng/L | 1 | | 1668A | Total/NA |
| PCB-30 | 0.0077 | J C18 B | 0.080 | 0.00090 | ng/L | 1 | | 1668A | Total/NA |
| PCB-31 | 0.0046 | J B | 0.040 | 0.00074 | ng/L | 1 | | 1668A | Total/NA |
| PCB-32 | 0.0047 | J B | 0.040 | 0.00070 | ng/L | 1 | | 1668A | Total/NA |
| PCB-33 | 0.0052 | J C21 B | 0.080 | 0.00074 | ng/L | 1 | | 1668A | Total/NA |
| PCB-37 | 0.0016 | J q B | 0.040 | 0.00079 | ng/L | 1 | | 1668A | Total/NA |
| PCB-44 | 0.018 | J C B | 0.12 | 0.0012 | ng/L | 1 | | 1668A | Total/NA |
| PCB-47 | 0.018 | J C44 B | 0.12 | 0.0012 | ng/L | 1 | | 1668A | Total/NA |
| PCB-49 | 0.0067 | J C B | 0.080 | 0.0010 | ng/L | 1 | | 1668A | Total/NA |
| PCB-50 | 0.0038 | J C B | 0.080 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-52 | 0.0086 | J B | 0.040 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-53 | 0.0038 | J C50 B | 0.080 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-56 | 0.0022 | J q B | 0.040 | 0.00094 | ng/L | 1 | | 1668A | Total/NA |
| PCB-61 | 0.0094 | J C B | 0.16 | 0.00088 | ng/L | 1 | | 1668A | Total/NA |
| PCB-64 | 0.0031 | J B | 0.040 | 0.00084 | ng/L | 1 | | 1668A | Total/NA |
| PCB-65 | 0.018 | J C44 B | 0.12 | 0.0012 | ng/L | 1 | | 1668A | Total/NA |
| PCB-66 | 0.0047 | J B | 0.040 | 0.00093 | ng/L | 1 | | 1668A | Total/NA |
| PCB-68 | 0.0019 | J q B | 0.040 | 0.00081 | ng/L | 1 | | 1668A | Total/NA |
| PCB-69 | 0.0067 | J C49 B | 0.080 | 0.0010 | ng/L | 1 | | 1668A | Total/NA |
| PCB-70 | 0.0094 | J C61 B | 0.16 | 0.00088 | ng/L | 1 | | 1668A | Total/NA |
| PCB-74 | 0.0094 | J C61 B | 0.16 | 0.00088 | ng/L | 1 | | 1668A | Total/NA |
| PCB-76 | 0.0094 | J C61 B | 0.16 | 0.00088 | ng/L | 1 | | 1668A | Total/NA |
| PCB-83 | 0.0068 | J q C | 0.080 | 0.0024 | ng/L | 1 | | 1668A | Total/NA |
| PCB-90 | 0.011 | J q C B | 0.12 | 0.0019 | ng/L | 1 | | 1668A | Total/NA |
| PCB-95 | 0.011 | J | 0.040 | 0.0023 | ng/L | 1 | | 1668A | Total/NA |
| PCB-99 | 0.0068 | J q C83 | 0.080 | 0.0024 | ng/L | 1 | | 1668A | Total/NA |
| PCB-101 | 0.011 | J q C90 B | 0.12 | 0.0019 | ng/L | 1 | | 1668A | Total/NA |
| PCB-105 | 0.0031 | J B | 0.040 | 0.0014 | ng/L | 1 | | 1668A | Total/NA |
| PCB-113 | 0.011 | J q C90 B | 0.12 | 0.0019 | ng/L | 1 | | 1668A | Total/NA |
| PCB-118 | 0.0062 | J B | 0.040 | 0.0013 | ng/L | 1 | | 1668A | Total/NA |
| PCB-128 | 0.0018 | J C B | 0.080 | 0.00050 | ng/L | 1 | | 1668A | Total/NA |
| PCB-129 | 0.011 | J C B | 0.16 | 0.00052 | ng/L | 1 | | 1668A | Total/NA |
| PCB-130 | 0.0011 | J | 0.040 | 0.00068 | ng/L | 1 | | 1668A | Total/NA |
| PCB-132 | 0.0038 | J B | 0.040 | 0.00064 | ng/L | 1 | | 1668A | Total/NA |
| PCB-134 | 0.0011 | J q C | 0.080 | 0.00066 | ng/L | 1 | | 1668A | Total/NA |
| PCB-135 | 0.0056 | J C B | 0.080 | 0.00073 | ng/L | 1 | | 1668A | Total/NA |
| PCB-136 | 0.0026 | J B | 0.040 | 0.00055 | ng/L | 1 | | 1668A | Total/NA |
| PCB-138 | 0.011 | J C129 B | 0.16 | 0.00052 | ng/L | 1 | | 1668A | Total/NA |
| PCB-141 | 0.0025 | J B | 0.040 | 0.00059 | ng/L | 1 | | 1668A | Total/NA |
| PCB-143 | 0.0011 | J q C134 | 0.080 | 0.00066 | ng/L | 1 | | 1668A | Total/NA |
| PCB-144 | 0.0011 | J q | 0.040 | 0.00069 | ng/L | 1 | | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: 711-82719 (Continued)
## Lab Sample ID: 580-88908-74

| Analyte | Result | Qualifier | RL | EDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| PCB-146 | 0.0017 | J q | 0.040 | 0.00056 | ng/L | 1 | | 1668A | Total/NA |
| PCB-147 | 0.010 | J C B | 0.080 | 0.00058 | ng/L | 1 | | 1668A | Total/NA |
| PCB-149 | 0.010 | J C147 B | 0.080 | 0.00058 | ng/L | 1 | | 1668A | Total/NA |
| PCB-150 | 0.00083 | J q | 0.040 | 0.00052 | ng/L | 1 | | 1668A | Total/NA |
| PCB-151 | 0.0056 | J C135 B | 0.080 | 0.00073 | ng/L | 1 | | 1668A | Total/NA |
| PCB-153 | 0.0091 | J q C B | 0.080 | 0.00046 | ng/L | 1 | | 1668A | Total/NA |
| PCB-154 | 0.0011 | J q | 0.040 | 0.00063 | ng/L | 1 | | 1668A | Total/NA |
| PCB-156 | 0.0013 | J q C | 0.080 | 0.00052 | ng/L | 1 | | 1668A | Total/NA |
| PCB-157 | 0.0013 | J q C156 | 0.080 | 0.00052 | ng/L | 1 | | 1668A | Total/NA |
| PCB-158 | 0.0010 | J q B | 0.040 | 0.00041 | ng/L | 1 | | 1668A | Total/NA |
| PCB-160 | 0.011 | J C129 B | 0.16 | 0.00052 | ng/L | 1 | | 1668A | Total/NA |
| PCB-163 | 0.011 | J C129 B | 0.16 | 0.00052 | ng/L | 1 | | 1668A | Total/NA |
| PCB-166 | 0.0018 | J C128 B | 0.080 | 0.00050 | ng/L | 1 | | 1668A | Total/NA |
| PCB-168 | 0.0091 | J q C153 B | 0.080 | 0.00046 | ng/L | 1 | | 1668A | Total/NA |
| PCB-170 | 0.0058 | J q B | 0.040 | 0.00093 | ng/L | 1 | | 1668A | Total/NA |
| PCB-171 | 0.0028 | J C | 0.080 | 0.00093 | ng/L | 1 | | 1668A | Total/NA |
| PCB-173 | 0.0028 | J C171 | 0.080 | 0.00093 | ng/L | 1 | | 1668A | Total/NA |
| PCB-174 | 0.0052 | J q B | 0.040 | 0.00093 | ng/L | 1 | | 1668A | Total/NA |
| PCB-177 | 0.0042 | J q | 0.040 | 0.00094 | ng/L | 1 | | 1668A | Total/NA |
| PCB-179 | 0.0026 | J B | 0.040 | 0.00063 | ng/L | 1 | | 1668A | Total/NA |
| PCB-180 | 0.0091 | J q C B | 0.080 | 0.00072 | ng/L | 1 | | 1668A | Total/NA |
| PCB-183 | 0.0037 | J q C B | 0.080 | 0.00078 | ng/L | 1 | | 1668A | Total/NA |
| PCB-185 | 0.0037 | J q C183 B | 0.080 | 0.00078 | ng/L | 1 | | 1668A | Total/NA |
| PCB-187 | 0.0060 | J B | 0.040 | 0.00080 | ng/L | 1 | | 1668A | Total/NA |
| PCB-193 | 0.0091 | J q C180 B | 0.080 | 0.00072 | ng/L | 1 | | 1668A | Total/NA |
| PCB-194 | 0.0024 | J B | 0.040 | 0.00094 | ng/L | 1 | | 1668A | Total/NA |
| PCB-198 | 0.0023 | J q C B | 0.080 | 0.00070 | ng/L | 1 | | 1668A | Total/NA |
| PCB-199 | 0.0023 | J q C198 B | 0.080 | 0.00070 | ng/L | 1 | | 1668A | Total/NA |
| PCB-202 | 0.00091 | J q | 0.040 | 0.00055 | ng/L | 1 | | 1668A | Total/NA |
| PCB-203 | 0.0017 | J q B | 0.040 | 0.00062 | ng/L | 1 | | 1668A | Total/NA |
| PCB-209 | 0.0044 | J B | 0.040 | 0.00068 | ng/L | 1 | | 1668A | Total/NA |
| Total Monochlorobiphenyls | 0.0055 | J B | 0.040 | 0.00059 | ng/L | 1 | | 1668A | Total/NA |
| Total Dichlorobiphenyls | 0.044 | J B | 0.080 | 0.0014 | ng/L | 1 | | 1668A | Total/NA |
| Total Trichlorobiphenyls | 0.043 | J B | 0.080 | 0.00084 | ng/L | 1 | | 1668A | Total/NA |
| Total Tetrachlorobiphenyls | 0.058 | J B | 0.16 | 0.0010 | ng/L | 1 | | 1668A | Total/NA |
| Total Pentachlorobiphenyls | 0.038 | J B | 0.24 | 0.0018 | ng/L | 1 | | 1668A | Total/NA |
| Total Hexachlorobiphenyls | 0.056 | J B | 0.16 | 0.00055 | ng/L | 1 | | 1668A | Total/NA |
| Total Heptachlorobiphenyls | 0.039 | J B | 0.080 | 0.00076 | ng/L | 1 | | 1668A | Total/NA |
| Total Octachlorobiphenyls | 0.0073 | J B | 0.080 | 0.00066 | ng/L | 1 | | 1668A | Total/NA |
| Polychlorinated biphenyls, Total | 0.30 | B | 0.24 | 0.0011 | ng/L | 1 | | 1668A | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: J5-SC1b-20to30-82719
**Lab Sample ID: 580-88908-26**
**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Percent Moisture | 49.5 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| Percent Solids | 50.5 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-20to30-82719
**Lab Sample ID: 580-88908-26**
**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 1.1 | | 0.050 | 0.0045 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-2 | 0.12 | q | 0.050 | 0.0045 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-3 | 0.54 | | 0.050 | 0.0044 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-4 | 0.64 | | 0.099 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-5 | 0.12 | | 0.050 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-6 | 0.54 | | 0.050 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-7 | 0.13 | | 0.050 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-8 | 1.9 | | 0.099 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-9 | 0.17 | | 0.050 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-10 | 0.033 | J q | 0.050 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-11 | 0.047 | J B | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-12 | 0.18 | C | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-13 | 0.18 | C12 | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-14 | ND | | 0.050 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-15 | 0.59 | | 0.050 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-16 | 1.0 | | 0.050 | 0.0035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-17 | 1.6 | | 0.050 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-18 | 2.5 | C | 0.099 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-19 | 0.26 | | 0.050 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-20 | 4.8 | C | 0.099 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-21 | 2.1 | C | 0.099 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-22 | 1.1 | | 0.050 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-23 | ND | | 0.050 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-24 | 0.026 | J | 0.050 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-25 | 0.58 | | 0.050 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-26 | 0.98 | C | 0.099 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-27 | 0.18 | | 0.050 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-28 | 4.8 | C20 | 0.099 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-29 | 0.98 | C26 | 0.099 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-30 | 2.5 | C18 | 0.099 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-31 | 3.5 | | 0.099 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-32 | 1.3 | | 0.050 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-33 | 2.1 | C21 | 0.099 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-34 | 0.067 | | 0.050 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-35 | 0.066 | | 0.050 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-36 | ND | | 0.050 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-37 | 0.87 | | 0.050 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-38 | ND | | 0.050 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-39 | 0.095 | | 0.050 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-40 | 6.0 | C | 0.15 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-41 | 6.0 | C40 | 0.15 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-42 | 2.5 | | 0.050 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-43 | 0.36 | q C | 0.099 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-44 | 23 | C B | 0.15 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-45 | 5.1 | C B | 0.099 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-46 | 0.46 | | 0.050 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-47 | 23 | C44 B | 0.15 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-48 | 1.0 | | 0.050 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-49 | 15 | C B | 0.099 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-50 | 2.9 | C | 0.099 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-51 | 5.1 | C45 B | 0.099 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-52 | 33 | B | 0.050 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-53 | 2.9 | C50 | 0.099 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-54 | 0.35 | | 0.050 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-55 | 0.096 | | 0.050 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-56 | 3.1 | | 0.050 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-57 | 0.064 | | 0.050 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-58 | 0.095 | | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-59 | 0.68 | C | 0.15 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-60 | 0.58 | | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-61 | 21 | C B | 0.20 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-62 | 0.68 | C59 | 0.15 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-63 | 0.38 | | 0.050 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-64 | 3.3 | | 0.050 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-65 | 23 | C44 B | 0.15 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-66 | 9.9 | | 0.050 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-67 | 0.35 | | 0.050 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-68 | 0.49 | | 0.050 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-69 | 15 | C49 B | 0.099 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-70 | 21 | C61 B | 0.20 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-71 | 6.0 | C40 | 0.15 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-72 | 0.78 | | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-73 | 0.36 | q C43 | 0.099 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-74 | 21 | C61 B | 0.20 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-75 | 0.68 | C59 | 0.15 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-76 | 21 | C61 B | 0.20 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-77 | 0.47 | | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-78 | ND | | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-79 | 0.57 | | 0.050 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-80 | 0.071 | | 0.050 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-81 | 0.047 | J q | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-82 | 3.9 | | 0.050 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-83 | 34 | C | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-84 | 11 | B | 0.050 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-85 | 5.7 | C B | 0.15 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-86 | 26 | C | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-87 | 26 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-88 | 8.9 | C | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-89 | 0.25 | | 0.050 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-90 | 53 | C B | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-91 | 8.9 | C88 | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-92 | 15 | | 0.050 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-93 | 2.4 | C | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-94 | 0.84 | | 0.050 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-95 | 41 | | 0.050 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-96 | 0.56 | | 0.050 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-97 | 26 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-98 | 3.1 | C | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-99 | 34 | C83 | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-100 | 2.4 | C93 | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-101 | 53 | C90 B | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-102 | 3.1 | C98 | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-103 | 2.5 | | 0.050 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-104 | 0.087 | | 0.050 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-105 | 11 | | 0.050 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-106 | ND | | 0.050 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-107 | 3.3 | | 0.050 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-108 | 1.2 | C | 0.099 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-109 | 26 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-110 | 47 | C | 0.099 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-111 | 0.24 | | 0.050 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-112 | ND | | 0.050 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-113 | 53 | C90 B | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-114 | 0.67 | | 0.050 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-115 | 47 | C110 | 0.099 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-116 | 5.7 | C85 B | 0.15 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-117 | 5.7 | C85 B | 0.15 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-118 | 31 | B | 0.050 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-119 | 26 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-120 | 0.83 | | 0.050 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-121 | 0.10 | | 0.050 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-122 | 0.39 | | 0.050 | 0.040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-123 | 0.40 | | 0.050 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-124 | 1.2 | C108 | 0.099 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-125 | 26 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-126 | 0.038 | J q | 0.050 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-127 | 0.086 | | 0.050 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-128 | 6.6 | C B | 0.099 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-129 | 47 | C B | 0.20 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-130 | 3.5 | | 0.050 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-131 | 0.63 | | 0.050 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-132 | 18 | | 0.050 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-133 | 2.0 | | 0.050 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-134 | 3.5 | C | 0.099 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-135 | 27 | C B | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-136 | 11 | B | 0.050 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-137 | 1.8 | | 0.050 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-138 | 47 | C129 B | 0.20 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-139 | 1.6 | C | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-140 | 1.6 | C139 | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-141 | 7.8 | | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-142 | 0.024 | J q | 0.050 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-143 | 3.5 | C134 | 0.099 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-144 | 2.2 | | 0.050 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-145 | 0.067 | | 0.050 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-146 | 16 | B | 0.050 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-147 | 53 | C B | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-148 | 0.74 | | 0.050 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-149 | 53 | C147 B | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-150 | 0.70 | | 0.050 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-151 | 27 | C135 B | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-152 | 0.13 | | 0.050 | 0.00091 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-153 | 47 | C B | 0.099 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-154 | 4.1 | | 0.050 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-155 | 0.031 | J | 0.050 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-156 | 5.0 | C | 0.099 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-157 | 5.0 | C156 | 0.099 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-158 | 4.2 | | 0.050 | 0.0099 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-159 | 0.58 | | 0.050 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-160 | 47 | C129 B | 0.20 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-161 | 0.016 | J q | 0.050 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-162 | 0.13 | | 0.050 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-163 | 47 | C129 B | 0.20 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-164 | 3.7 | | 0.050 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-165 | 0.11 | | 0.050 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-166 | 6.6 | C128 B | 0.099 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-167 | 1.5 | | 0.050 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-168 | 47 | C153 B | 0.099 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-169 | 0.085 | | 0.050 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-170 | 12 | B | 0.050 | 0.00084 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-171 | 4.2 | C | 0.099 | 0.00086 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-172 | 2.3 | | 0.050 | 0.00083 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-173 | 4.2 | C171 | 0.099 | 0.00086 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-174 | 14 | B | 0.050 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-175 | 0.58 | | 0.050 | 0.00077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-176 | 1.9 | | 0.050 | 0.00054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-177 | 9.8 | B | 0.050 | 0.00088 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-178 | 3.7 | | 0.050 | 0.00081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-179 | 7.8 | | 0.050 | 0.00058 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-180 | 29 | C B | 0.099 | 0.00067 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-181 | 0.14 | | 0.050 | 0.00075 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-182 | 0.24 | | 0.050 | 0.00072 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-183 | 9.1 | C B | 0.099 | 0.00073 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-184 | 0.021 | J | 0.050 | 0.00058 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-185 | 9.1 | C183 B | 0.099 | 0.00073 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-186 | ND | | 0.050 | 0.00058 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-187 | 20 | B | 0.050 | 0.00074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-188 | 0.11 | | 0.050 | 0.00054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-189 | 0.46 | | 0.050 | 0.0041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-190 | 2.6 | B | 0.050 | 0.00060 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-191 | 0.58 | | 0.050 | 0.00060 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-192 | ND | | 0.050 | 0.00064 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-193 | 29 | C180 B | 0.099 | 0.00067 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-194 | 6.6 | | 0.050 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-195 | 3.0 | | 0.050 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-196 | 3.5 | | 0.050 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-197 | 0.25 | q | 0.050 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-198 | 7.6 | C B | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-199 | 7.6 | C198 B | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-200 | 0.98 | | 0.050 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-201 | 0.96 | | 0.050 | 0.00093 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-202 | 1.5 | | 0.050 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-203 | 4.4 | | 0.050 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-204 | ND | | 0.050 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-205 | 0.34 | | 0.050 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-206 | 2.6 | | 0.050 | 0.0088 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-207 | 0.33 | | 0.050 | 0.0062 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-208 | 0.62 | | 0.050 | 0.0064 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-209 | 1.2 | | 0.050 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Monochlorobiphenyls | 1.8 | q | 0.050 | 0.0045 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Dichlorobiphenyls | 4.4 | q B | 0.099 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Trichlorobiphenyls | 21 | | 0.099 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Tetrachlorobiphenyls | 130 | q B | 0.20 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Pentachlorobiphenyls | 300 | q B | 0.30 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Hexachlorobiphenyls | 270 | q B | 0.20 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Heptachlorobiphenyls | 120 | B | 0.099 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Octachlorobiphenyls | 29 | q B | 0.099 | 0.0048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Total Nonachlorobiphenyls | 3.6 | | 0.050 | 0.0071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| Polychlorinated biphenyls, Total | 890 | q B | 0.30 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 15:41 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *39* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-3L* | *53* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-4L* | *54* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-15L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-19L* | *64* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-37L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-54L* | *65* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-77L* | *84* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-81L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-104L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-105L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-114L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-118L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-123L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-126L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-155L* | *93* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |
| *PCB-156L* | *82* | *C* | *30 - 140* | *09/17/19 12:25* | *10/03/19 15:41* | *5* |

## Client Sample ID: J5-SC1b-20to30-82719
**Lab Sample ID: 580-88908-26**

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-157L | 82 | C156 | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-167L | 83 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-169L | 97 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-170L | 77 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-188L | 75 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-189L | 86 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-202L | 82 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-205L | 76 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-206L | 70 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-208L | 78 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-209L | 71 | | 30 - 140 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 75 | | 40 - 125 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-111L | 86 | | 40 - 125 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |
| PCB-178L | 80 | | 40 - 125 | 09/17/19 12:25 | 10/03/19 15:41 | 5 |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.83 | | 0.049 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-2 | 0.082 | | 0.049 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-3 | 0.36 | | 0.049 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-4 | 0.58 | | 0.099 | 0.0032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-5 | 0.044 | J | 0.049 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-6 | 0.43 | | 0.049 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-7 | 0.10 | | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-8 | 1.6 | | 0.099 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-9 | 0.14 | | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-10 | 0.036 | J | 0.049 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-11 | 0.036 | J q B | 0.099 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-12 | 0.16 | C | 0.099 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-13 | 0.16 | C12 | 0.099 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-14 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-15 | 0.56 | | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-16 | 1.2 | | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-17 | 1.8 | B | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-18 | 2.8 | C B | 0.099 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-19 | 0.25 | | 0.049 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-20 | 4.8 | C B | 0.099 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-21 | 2.1 | C B | 0.099 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-22 | 1.1 | B | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-23 | ND | | 0.049 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-24 | 0.032 | J | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-25 | 0.54 | | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-26 | 0.94 | C B | 0.099 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-27 | 0.22 | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-28 | 4.8 | C20 B | 0.099 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-29 | 0.94 | C26 B | 0.099 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-30 | 2.8 | C18 B | 0.099 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-31 | 3.5 | B | 0.099 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-32 | 1.3 | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-33 | 2.1 | C21 B | 0.099 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-34 | 0.064 | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-35 | 0.064 | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-36 | ND | | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-37 | 0.90 | B | 0.049 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-38 | ND | | 0.049 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-39 | 0.084 | | 0.049 | 0.026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-40 | 5.7 | C | 0.15 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-41 | 5.7 | C40 | 0.15 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-42 | 2.4 | | 0.049 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-43 | 0.36 | q C | 0.099 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-44 | 21 | C B | 0.15 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-45 | 4.4 | C B | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-46 | 0.45 | | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-47 | 21 | C44 B | 0.15 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-48 | 1.0 | | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-49 | 14 | C B | 0.099 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-50 | 2.6 | C | 0.099 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-51 | 4.4 | C45 B | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-52 | 30 | B | 0.049 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-53 | 2.6 | C50 | 0.099 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-54 | 0.31 | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-55 | ND | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-56 | 3.0 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-57 | ND | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-58 | 0.097 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-59 | 0.66 | C | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-60 | 0.58 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-61 | 19 | C B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-62 | 0.66 | C59 | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-63 | 0.36 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-64 | 3.2 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-65 | 21 | C44 B | 0.15 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-66 | 9.2 | B | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-67 | 0.051 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-68 | 0.51 | B | 0.049 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-69 | 14 | C49 B | 0.099 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-70 | 19 | C61 B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-71 | 5.7 | C40 | 0.15 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-72 | 0.84 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-73 | 0.36 | q C43 | 0.099 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-74 | 19 | C61 B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-75 | 0.66 | C59 | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-76 | 19 | C61 B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-77 | 0.52 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-78 | ND | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-79 | 0.50 | | 0.049 | 0.0095 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-80 | ND | | 0.049 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-81 | 0.021 | J | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-82 | 3.6 | B | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-83 | 33 | C B | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-84 | 9.4 | B | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-85 | 5.3 | C | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-86 | 25 | C B | 0.30 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-87 | 25 | C86 B | 0.30 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-88 | 8.2 | C B | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-89 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-90 | 48 | C B | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-91 | 8.2 | C88 B | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-92 | 14 | B | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-93 | 2.2 | C | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-94 | 0.81 | | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-95 | 37 | B | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-96 | 0.48 | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-97 | 25 | C86 B | 0.30 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-98 | 2.7 | C | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-99 | 33 | C83 B | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-100 | 2.2 | C93 | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-101 | 48 | C90 B | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-102 | 2.7 | C98 | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-103 | 2.6 | | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-104 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-105 | 9.6 | B | 0.049 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-106 | ND | | 0.049 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-107 | 3.2 | B | 0.049 | 0.026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-108 | 1.1 | C | 0.099 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-109 | 25 | C86 B | 0.30 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-110 | 43 | C B | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-111 | 0.26 | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-112 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-113 | 48 | C90 B | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-114 | 0.52 | | 0.049 | 0.025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-115 | 43 | C110 B | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-116 | 5.3 | C85 | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-117 | 5.3 | C85 | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-118 | 28 | B | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-119 | 25 | C86 B | 0.30 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-120 | 0.95 | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-121 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-122 | 0.35 | B | 0.049 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-123 | 0.35 | | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-124 | 1.1 | C108 | 0.099 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-125 | 25 | C86 B | 0.30 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-126 | 0.053 | | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-127 | 0.061 | | 0.049 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-128 | 6.1 | C B | 0.099 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-129 | 46 | C B | 0.20 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-130 | 3.5 | B | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-131 | 0.60 | | 0.049 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-132 | 18 | B | 0.049 | 0.0097 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-133 | 2.2 | | 0.049 | 0.0094 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-134 | 3.5 | C | 0.099 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-135 | 31 | C B | 0.099 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-136 | 11 | B | 0.049 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-137 | 1.6 | | 0.049 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-138 | 46 | C129 B | 0.20 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-139 | 1.7 | C | 0.099 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-140 | 1.7 | C139 | 0.099 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-141 | 7.7 | B | 0.049 | 0.0089 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-142 | ND | | 0.049 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-143 | 3.5 | C134 | 0.099 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-144 | 2.4 | | 0.049 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-145 | 0.044 | J | 0.049 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-146 | 17 | B | 0.049 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-147 | 57 | C B | 0.099 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-148 | 0.90 | | 0.049 | 0.00098 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-149 | 57 | C147 B | 0.099 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-150 | 0.77 | | 0.049 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-151 | 31 | C135 B | 0.099 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-152 | 0.11 | | 0.049 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-153 | 49 | C B | 0.099 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-154 | 5.2 | | 0.049 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-155 | 0.035 | J | 0.049 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-156 | 4.8 | C B | 0.099 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-157 | 4.8 | C156 B | 0.099 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-158 | 4.1 | B | 0.049 | 0.0062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-159 | 0.49 | | 0.049 | 0.0065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-160 | 46 | C129 B | 0.20 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-161 | ND | | 0.049 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-162 | ND | | 0.049 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-163 | 46 | C129 B | 0.20 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-164 | 3.6 | B | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-165 | ND | | 0.049 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-166 | 6.1 | C128 B | 0.099 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-167 | 1.4 | B | 0.049 | 0.0053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-168 | 49 | C153 B | 0.099 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-169 | ND | | 0.049 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-170 | 13 | B | 0.049 | 0.00082 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-171 | 4.8 | C B | 0.099 | 0.00079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-172 | 2.5 | B | 0.049 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-173 | 4.8 | C171 B | 0.099 | 0.00079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-174 | 16 | B | 0.049 | 0.00080 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-175 | 0.68 | | 0.049 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-176 | 2.2 | B | 0.049 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-177 | 11 | B | 0.049 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-178 | 4.3 | B | 0.049 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |

## Client Sample ID: J5-SC1b-20to30-82719
**Lab Sample ID: 580-88908-26**

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-179** | **8.9** | **B** | 0.049 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-180** | **30** | **C B** | 0.099 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-181 | ND | | 0.049 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-182** | **0.26** | | 0.049 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-183** | **10** | **C B** | 0.099 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-184 | ND | | 0.049 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-185** | **10** | **C183 B** | 0.099 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-186 | ND | | 0.049 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-187** | **23** | **B** | 0.049 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-188** | **0.12** | | 0.049 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-189** | **0.49** | **B** | 0.049 | 0.0062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-190** | **2.8** | **B** | 0.049 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-191** | **0.62** | | 0.049 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-192 | ND | | 0.049 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-193** | **30** | **C180 B** | 0.099 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-194** | **6.7** | **B** | 0.049 | 0.0053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-195** | **3.0** | **B** | 0.049 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-196** | **3.6** | **B** | 0.049 | 0.00097 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-197** | **0.29** | **B** | 0.049 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-198** | **7.4** | **C B** | 0.099 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-199** | **7.4** | **C198 B** | 0.099 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-200** | **0.92** | | 0.049 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-201** | **0.99** | **B** | 0.049 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-202** | **1.5** | **B** | 0.049 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-203** | **4.5** | | 0.049 | 0.00092 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-204 | ND | | 0.049 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-205** | **0.34** | | 0.049 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-206** | **2.5** | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-207** | **0.31** | | 0.049 | 0.0075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-208** | **0.61** | | 0.049 | 0.0080 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **PCB-209** | **1.2** | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Monochlorobiphenyls** | **1.3** | | 0.049 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Dichlorobiphenyls** | **3.7** | **q B** | 0.099 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Trichlorobiphenyls** | **22** | **B** | 0.099 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Tetrachlorobiphenyls** | **120** | **q B** | 0.20 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Pentachlorobiphenyls** | **280** | **B** | 0.30 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Hexachlorobiphenyls** | **280** | **B** | 0.20 | 0.0060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Heptachlorobiphenyls** | **130** | **B** | 0.099 | 0.00092 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Octachlorobiphenyls** | **29** | **B** | 0.099 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Total Nonachlorobiphenyls** | **3.4** | | 0.049 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| **Polychlorinated biphenyls, Total** | **870** | **q B** | 0.30 | 0.0069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 04:06 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *67* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 04:06* | *5* |
| *PCB-3L* | *73* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 04:06* | *5* |
| *PCB-4L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 04:06* | *5* |
| *PCB-15L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 04:06* | *5* |
| *PCB-19L* | *66* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 04:06* | *5* |
| *PCB-37L* | *89* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 04:06* | *5* |
| *PCB-54L* | *71* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 04:06* | *5* |

## Client Sample ID: J5-SC1b-20to30-82719
## Lab Sample ID: 580-88908-26

**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-77L | 95 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-81L | 88 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-104L | 101 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-105L | 85 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-114L | 85 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-118L | 88 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-123L | 86 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-126L | 97 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-155L | 102 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-156L | 85 | C | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-157L | 85 | C156 | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-167L | 86 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-169L | 100 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-170L | 82 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-188L | 83 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-189L | 81 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-202L | 91 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-205L | 79 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-206L | 71 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-208L | 77 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-209L | 70 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 82 | | 40 - 125 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-111L | 106 | | 40 - 125 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |
| PCB-178L | 94 | | 40 - 125 | 10/03/19 11:21 | 10/10/19 04:06 | 5 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Percent Moisture | 47.9 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| Percent Solids | 52.1 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.10 | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-2 | 0.025 | J | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-3 | 0.059 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-4 | 0.15 | | 0.097 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-5 | 0.0080 | J | 0.049 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-6 | 0.13 | | 0.049 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-7 | 0.026 | J | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-8 | 0.41 | | 0.097 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-9 | 0.025 | J | 0.049 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | 0.0078 | J | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-11 | 0.052 | J B | 0.097 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-12 | 0.051 | J C | 0.097 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-13 | 0.051 | J C12 | 0.097 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-14 | ND | | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-15 | 0.22 | | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-16 | 0.54 | | 0.049 | 0.0046 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-17 | 0.87 | | 0.049 | 0.0036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-18 | 1.4 | C | 0.097 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-19 | 0.12 | | 0.049 | 0.0044 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-20 | 2.4 | C | 0.097 | 0.0090 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-21 | 0.99 | C | 0.097 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-22 | 0.59 | | 0.049 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-23 | ND | | 0.049 | 0.0093 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-24 | 0.015 | J | 0.049 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-25 | 0.20 | | 0.049 | 0.0087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-26 | 0.32 | C | 0.097 | 0.0089 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-27 | 0.093 | | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-28 | 2.4 | C20 | 0.097 | 0.0090 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-29 | 0.32 | C26 | 0.097 | 0.0089 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-30 | 1.4 | C18 | 0.097 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-31 | 1.8 | | 0.097 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-32 | 0.48 | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-33 | 0.99 | C21 | 0.097 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-34 | 0.035 | J | 0.049 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-35 | 0.037 | J | 0.049 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-36 | ND | | 0.049 | 0.0087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-37 | 0.51 | | 0.049 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-38 | ND | | 0.049 | 0.0089 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-39 | 0.040 | J | 0.049 | 0.0084 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-40 | 2.0 | C | 0.15 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-41 | 2.0 | C40 | 0.15 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-42 | ND | | 0.049 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-43 | 0.088 | J C | 0.097 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-44 | 4.7 | C B | 0.15 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-45 | 0.84 | C B | 0.097 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-46 | 0.20 | | 0.049 | 0.0072 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-47 | 4.7 | C44 B | 0.15 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-48 | 0.63 | | 0.049 | 0.0057 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-49 | 3.6 | C B | 0.097 | 0.0048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-50 | 0.59 | C | 0.097 | 0.0058 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-51 | 0.84 | C45 B | 0.097 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-52 | 6.1 | B | 0.049 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-53 | 0.59 | C50 | 0.097 | 0.0058 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-54 | 0.049 | | 0.049 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-55 | 0.027 | J | 0.049 | 0.0042 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-56 | 1.6 | | 0.049 | 0.0043 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-57 | 0.013 | J | 0.049 | 0.0042 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-58 | 0.048 | J | 0.049 | 0.0041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | 0.31 | C | 0.15 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-60 | 0.27 | | 0.049 | 0.0041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-61 | 6.8 | C B | 0.19 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-62 | 0.31 | C59 | 0.15 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-63 | 0.16 | | 0.049 | 0.0037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-64 | 1.4 | | 0.049 | 0.0038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-65 | 4.7 | C44 B | 0.15 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-66 | 4.2 | | 0.049 | 0.0042 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-67 | 0.088 | q | 0.049 | 0.0039 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-68 | 0.098 | | 0.049 | 0.0037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-69 | 3.6 | C49 B | 0.097 | 0.0048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-70 | 6.8 | C61 B | 0.19 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-71 | 2.0 | C40 | 0.15 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-72 | 0.22 | | 0.049 | 0.0041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-73 | 0.088 | J C43 | 0.097 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-74 | 6.8 | C61 B | 0.19 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-75 | 0.31 | C59 | 0.15 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-76 | 6.8 | C61 B | 0.19 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-77 | 0.27 | | 0.049 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-78 | ND | | 0.049 | 0.0041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-79 | 0.14 | | 0.049 | 0.0035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-80 | ND | | 0.049 | 0.0037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-81 | ND | | 0.049 | 0.0042 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-82 | 0.87 | | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-83 | 7.2 | C | 0.097 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-84 | 2.3 | B | 0.049 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-85 | 1.3 | C B | 0.15 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-86 | 4.9 | C | 0.29 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-87 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-88 | 1.8 | C | 0.097 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-89 | 0.094 | | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-90 | 11 | C B | 0.15 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-91 | 1.8 | C88 | 0.097 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-92 | 2.6 | | 0.049 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-93 | 0.29 | C | 0.097 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-94 | 0.086 | | 0.049 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-95 | 8.0 | | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-96 | 0.080 | | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-97 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-98 | 0.52 | C | 0.097 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-99 | 7.2 | C83 | 0.097 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-100 | 0.29 | C93 | 0.097 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-101 | 11 | C90 B | 0.15 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-102 | 0.52 | C98 | 0.097 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-103 | 0.37 | | 0.049 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-104 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-105 | 1.6 | | 0.049 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-106 | ND | | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-107 | 0.72 | | 0.049 | 0.0098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-108 | 0.19 | C | 0.097 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-109 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-110 | 9.9 | C | 0.097 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-111 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-112 | ND | | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-113 | 11 | C90 B | 0.15 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-114 | 0.082 | | 0.049 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-115 | 9.9 | C110 | 0.097 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-116 | 1.3 | C85 B | 0.15 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-117 | 1.3 | C85 B | 0.15 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-118 | 6.0 | B | 0.049 | 0.0098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-119 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-120 | 0.17 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-121 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-122 | 0.082 | | 0.049 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-123 | 0.070 | | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-124 | 0.19 | C108 | 0.097 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-125 | 4.9 | C86 | 0.29 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-126 | 0.019 | J | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-127 | ND | | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-128 | 1.2 | C B | 0.097 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-129 | 9.9 | C B | 0.19 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-130 | 0.83 | | 0.049 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-131 | 0.11 | | 0.049 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-132 | 3.6 | | 0.049 | 0.0078 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-133 | 0.33 | | 0.049 | 0.0075 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-134 | 0.59 | C | 0.097 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-135 | 4.6 | C B | 0.097 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-136 | 1.8 | B | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-137 | 0.28 | | 0.049 | 0.0065 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-138 | 9.9 | C129 B | 0.19 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-139 | 0.23 | C | 0.097 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-140 | 0.23 | C139 | 0.097 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-141 | 1.6 | | 0.049 | 0.0071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-142 | ND | | 0.049 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-143 | 0.59 | C134 | 0.097 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-144 | 0.45 | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-145 | 0.0040 | J | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-146 | 2.9 | B | 0.049 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-147 | 11 | C B | 0.097 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-148 | 0.077 | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-149 | 11 | C147 B | 0.097 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-150 | 0.084 | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-151 | 4.6 | C135 B | 0.097 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-152 | 0.010 | J | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-153 | 11 | C B | 0.097 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-154 | 0.51 | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-155 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-156 | 0.83 | C | 0.097 | 0.0064 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-157 | 0.83 | C156 | 0.097 | 0.0064 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-158 | 0.70 | | 0.049 | 0.0049 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-159 | 0.17 | | 0.049 | 0.0052 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-160 | 9.9 | C129 B | 0.19 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-161 | ND | | 0.049 | 0.0051 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-162 | ND | | 0.049 | 0.0050 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-163 | 9.9 | C129 B | 0.19 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-164 | 0.79 | | 0.049 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-165 | ND | | 0.049 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-166 | 1.2 | C128 B | 0.097 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-167 | 0.28 | | 0.049 | 0.0044 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-168 | 11 | C153 B | 0.097 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-169 | ND | | 0.049 | 0.0047 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-170 | 3.4 | B | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-171 | 1.1 | C | 0.097 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-172 | 0.64 | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-173 | 1.1 | C171 | 0.097 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-174 | 4.4 | B | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-175 | 0.17 | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-176 | 0.50 | | 0.049 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-177 | 2.6 | B | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-178 | 0.92 | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-179 | 2.0 | | 0.049 | 0.00093 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-180 | 7.8 | C B | 0.097 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-181 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-182 | 0.044 | J | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-183 | 2.6 | C B | 0.097 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-184 | ND | | 0.049 | 0.00093 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-185 | 2.6 | C183 B | 0.097 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-186 | ND | | 0.049 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-187 | 5.3 | B | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-188 | ND | | 0.049 | 0.00081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-189 | 0.11 | | 0.049 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-190 | 0.64 | B | 0.049 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-191 | 0.14 | | 0.049 | 0.00095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-192 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-193 | 7.8 | C180 B | 0.097 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-194 | 2.0 | | 0.049 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-195 | 0.86 | | 0.049 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-196 | 1.0 | | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-197 | 0.066 | q | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-198 | 2.4 | C B | 0.097 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-199 | 2.4 | C198 B | 0.097 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-200 | 0.31 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-201 | 0.30 | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-202 | 0.48 | | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-203 | 1.3 | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-204 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-205 | 0.094 | | 0.049 | 0.0090 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-206 | 1.1 | q | 0.049 | 0.0088 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-207 | 0.11 | | 0.049 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-208 | 0.22 | | 0.049 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| PCB-209 | 0.83 | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Monochlorobiphenyls | 0.18 | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Dichlorobiphenyls | 1.1 | q B | 0.097 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Trichlorobiphenyls | 10 | q | 0.097 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Tetrachlorobiphenyls | 34 | q B | 0.19 | 0.0045 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Pentachlorobiphenyls | 60 | B | 0.29 | 0.0051 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Hexachlorobiphenyls | 54 | q B | 0.19 | 0.0050 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Heptachlorobiphenyls | 32 | q B | 0.097 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Octachlorobiphenyls | 8.8 | q B | 0.097 | 0.0048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Total Nonachlorobiphenyls | 1.4 | q | 0.049 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |
| Polychlorinated biphenyls, Total | 200 | q B | 0.29 | 0.0044 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 16:43 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *45* | *q* | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-3L* | *56* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-4L* | *60* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-15L* | *84* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-19L* | *65* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-37L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-54L* | *64* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-77L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-81L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-104L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-105L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-114L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-118L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-123L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-126L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-155L* | *101* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-156L* | *80* | *C* | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-157L* | *80* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-167L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-169L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-170L* | *76* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-188L* | *85* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-189L* | *84* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-202L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-205L* | *73* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-206L* | *69* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-208L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-209L* | *76* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *76* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-111L* | *88* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |
| *PCB-178L* | *86* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 16:43* | *5* |

## Client Sample ID: J5-SC1b-30to40-82719
**Lab Sample ID: 580-88908-27**

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.12 | | 0.0099 | 0.00097 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-2 | 0.025 | | 0.0099 | 0.00098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-3 | 0.076 | | 0.0099 | 0.00099 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-4 | 0.18 | | 0.020 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-5 | 0.012 | | 0.0099 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-6 | 0.15 | | 0.0099 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-7 | 0.031 | | 0.0099 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-8 | 0.51 | | 0.020 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-9 | 0.040 | | 0.0099 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-10 | 0.011 | | 0.0099 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-11 | 0.058 | B | 0.020 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-12 | 0.062 | C | 0.020 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-13 | 0.062 | C12 | 0.020 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-14 | ND | | 0.0099 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-15 | 0.29 | | 0.0099 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-16 | 0.60 | | 0.0099 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-17 | 0.84 | B | 0.0099 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-18 | 1.4 | C B | 0.020 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-19 | 0.11 | | 0.0099 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-20 | 2.8 | C B | 0.020 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-21 | 1.1 | C B | 0.020 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-22 | 0.71 | G B | 0.014 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-23 | ND | G | 0.014 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-24 | 0.018 | | 0.0099 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-25 | 0.23 | G | 0.013 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-26 | 0.38 | C B | 0.020 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-27 | 0.10 | | 0.0099 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-28 | 2.8 | C20 B | 0.020 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-29 | 0.38 | C26 B | 0.020 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-30 | 1.4 | C18 B | 0.020 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-31 | 2.0 | B | 0.020 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-32 | 0.47 | | 0.0099 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-33 | 1.1 | C21 B | 0.020 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-34 | 0.043 | G | 0.014 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-35 | 0.044 | G | 0.014 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-36 | ND | G | 0.013 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-37 | 0.63 | G B | 0.014 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-38 | ND | G | 0.013 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-39 | 0.040 | G | 0.013 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-40 | 2.3 | C | 0.030 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-41 | 2.3 | C40 | 0.030 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-42 | 1.4 | | 0.0099 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-43 | 0.16 | C | 0.020 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-44 | 5.8 | C B | 0.030 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-45 | 1.1 | C B | 0.020 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-46 | 0.23 | | 0.0099 | 0.0053 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-47 | 5.8 | C44 B | 0.030 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-48 | 0.74 | | 0.0099 | 0.0043 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-49 | 4.1 | C B | 0.020 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |

## Client Sample ID: J5-SC1b-30to40-82719
**Lab Sample ID: 580-88908-27**

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | 0.73 | C | 0.020 | 0.0043 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-51 | 1.1 | C45 B | 0.020 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-52 | 7.2 | B | 0.0099 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-53 | 0.73 | C50 | 0.020 | 0.0043 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-54 | 0.056 | | 0.0099 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-55 | 0.033 | | 0.0099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-56 | 1.8 | | 0.0099 | 0.0032 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-57 | 0.011 | q | 0.0099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-58 | 0.059 | | 0.0099 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-59 | 0.38 | C | 0.030 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-60 | 0.33 | | 0.0099 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-61 | 7.7 | C B | 0.039 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-62 | 0.38 | C59 | 0.030 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-63 | 0.19 | | 0.0099 | 0.0027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-64 | 1.6 | | 0.0099 | 0.0028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-65 | 5.8 | C44 B | 0.030 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-66 | 4.7 | B | 0.0099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-67 | 0.11 | | 0.0099 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-68 | 0.12 | B | 0.0099 | 0.0027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-69 | 4.1 | C49 B | 0.020 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-70 | 7.7 | C61 B | 0.039 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-71 | 2.3 | C40 | 0.030 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-72 | 0.22 | | 0.0099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-73 | 0.16 | C43 | 0.020 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-74 | 7.7 | C61 B | 0.039 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-75 | 0.38 | C59 | 0.030 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-76 | 7.7 | C61 B | 0.039 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-77 | 0.32 | | 0.0099 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-78 | ND | | 0.0099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-79 | 0.11 | | 0.0099 | 0.0026 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-80 | ND | | 0.0099 | 0.0027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-81 | 0.0082 | J | 0.0099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-82 | 0.76 | B | 0.0099 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-83 | 6.3 | C B | 0.020 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-84 | 2.3 | B | 0.0099 | 0.00084 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-85 | 1.1 | C | 0.030 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-86 | 4.6 | C B | 0.059 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-87 | 4.6 | C86 B | 0.059 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-88 | 1.7 | C B | 0.020 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-89 | 0.086 | | 0.0099 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-90 | 9.8 | C B | 0.030 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-91 | 1.7 | C88 B | 0.020 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-92 | 2.5 | B | 0.0099 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-93 | 0.28 | C | 0.020 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-94 | 0.093 | | 0.0099 | 0.00080 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-95 | 7.7 | B | 0.0099 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-96 | 0.096 | | 0.0099 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-97 | 4.6 | C86 B | 0.059 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-98 | 0.44 | C | 0.020 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |

## Client Sample ID: J5-SC1b-30to40-82719
**Lab Sample ID: 580-88908-27**

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-99** | **6.3** | **C83 B** | 0.020 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-100** | **0.28** | **C93** | 0.020 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-101** | **9.8** | **C90 B** | 0.030 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-102** | **0.44** | **C98** | 0.020 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-103** | **0.37** | | 0.0099 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-104 | ND | | 0.0099 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-105** | **1.7** | **B** | 0.0099 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-106 | ND | | 0.0099 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-107** | **0.76** | **B** | 0.0099 | 0.0080 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-108** | **0.21** | **C** | 0.020 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-109** | **4.6** | **C86 B** | 0.059 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-110** | **8.4** | **C B** | 0.020 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-111** | **0.035** | | 0.0099 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-112 | ND | | 0.0099 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-113** | **9.8** | **C90 B** | 0.030 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-114** | **0.10** | | 0.0099 | 0.0077 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-115** | **8.4** | **C110 B** | 0.020 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-116** | **1.1** | **C85** | 0.030 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-117** | **1.1** | **C85** | 0.030 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-118** | **6.0** | **B** | 0.0099 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-119** | **4.6** | **C86 B** | 0.059 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-120** | **0.10** | | 0.0099 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-121 | ND | | 0.0099 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-122** | **0.083** | **B** | 0.0099 | 0.0093 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-123** | **0.072** | **q** | 0.0099 | 0.0080 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-124** | **0.21** | **C108** | 0.020 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-125** | **4.6** | **C86 B** | 0.059 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-126** | **0.015** | **q** | 0.0099 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-127 | ND | | 0.0099 | 0.0084 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-128** | **1.6** | **C B** | 0.020 | 0.0036 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-129** | **11** | **C B** | 0.039 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-130** | **0.91** | **B** | 0.0099 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-131** | **0.13** | | 0.0099 | 0.0047 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-132** | **4.3** | **B** | 0.0099 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-133** | **0.37** | | 0.0099 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-134** | **0.76** | **C** | 0.020 | 0.0048 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-135** | **4.9** | **C B** | 0.020 | 0.00092 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-136** | **2.0** | **B** | 0.0099 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-137** | **0.29** | | 0.0099 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-138** | **11** | **C129 B** | 0.039 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-139** | **0.26** | **C** | 0.020 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-140** | **0.26** | **C139** | 0.020 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-141** | **2.0** | **B** | 0.0099 | 0.0042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-142 | ND | | 0.0099 | 0.0047 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-143** | **0.76** | **C134** | 0.020 | 0.0048 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-144** | **0.45** | | 0.0099 | 0.00087 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-145** | **0.0065** | **J** | 0.0099 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-146** | **2.9** | **B** | 0.0099 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-147** | **13** | **C B** | 0.020 | 0.0042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |

## Client Sample ID: J5-SC1b-30to40-82719
**Lab Sample ID: 580-88908-27**

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-148 | 0.076 | | 0.0099 | 0.00089 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-149 | 13 | C147 B | 0.020 | 0.0042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-150 | 0.071 | | 0.0099 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-151 | 4.9 | C135 B | 0.020 | 0.00092 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-152 | 0.013 | | 0.0099 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-153 | 11 | C B | 0.020 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-154 | 0.46 | | 0.0099 | 0.00079 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-155 | ND | | 0.0099 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-156 | 0.90 | C B | 0.020 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-157 | 0.90 | C156 B | 0.020 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-158 | 0.79 | B | 0.0099 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-159 | 0.15 | | 0.0099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-160 | 11 | C129 B | 0.039 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-161 | ND | | 0.0099 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-162 | ND | | 0.0099 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-163 | 11 | C129 B | 0.039 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-164 | 0.86 | B | 0.0099 | 0.0032 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-165 | ND | | 0.0099 | 0.0036 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-166 | 1.6 | C128 B | 0.020 | 0.0036 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-167 | 0.31 | B | 0.0099 | 0.0026 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-168 | 11 | C153 B | 0.020 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-169 | ND | | 0.0099 | 0.0027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-170 | 3.5 | B | 0.0099 | 0.00095 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-171 | 1.1 | C B | 0.020 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-172 | 0.65 | B | 0.0099 | 0.00093 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-173 | 1.1 | C171 B | 0.020 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-174 | 4.1 | B | 0.0099 | 0.00097 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-175 | 0.17 | | 0.0099 | 0.00087 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-176 | 0.53 | B | 0.0099 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-177 | 2.4 | B | 0.0099 | 0.00098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-178 | 0.90 | B | 0.0099 | 0.00090 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-179 | 2.1 | B | 0.0099 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-180 | 7.7 | C B | 0.020 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-181 | ND | | 0.0099 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-182 | 0.051 | | 0.0099 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-183 | 2.5 | C B | 0.020 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-184 | ND | | 0.0099 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-185 | 2.5 | C183 B | 0.020 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-186 | ND | | 0.0099 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-187 | 5.2 | B | 0.0099 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-188 | ND | | 0.0099 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-189 | 0.12 | B | 0.0099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-190 | 0.63 | B | 0.0099 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-191 | 0.14 | | 0.0099 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-192 | ND | | 0.0099 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-193 | 7.7 | C180 B | 0.020 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-194 | 2.2 | G B | 0.010 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-195 | 0.98 | G B | 0.012 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-196 | 1.0 | B | 0.0099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |

## Client Sample ID: J5-SC1b-30to40-82719
## Lab Sample ID: 580-88908-27

**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-197** | **0.069** | **B** | 0.0099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-198** | **2.3** | **C B** | 0.020 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-199** | **2.3** | **C198 B** | 0.020 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-200** | **0.26** | | 0.0099 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-201** | **0.23** | **B** | 0.0099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-202** | **0.46** | **B** | 0.0099 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-203** | **1.3** | | 0.0099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| PCB-204 | ND | | 0.0099 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-205** | **0.099** | | 0.0099 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-206** | **1.0** | | 0.0099 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-207** | **0.12** | | 0.0099 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-208** | **0.23** | | 0.0099 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **PCB-209** | **0.88** | | 0.0099 | 0.00089 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Monochlorobiphenyls** | **0.22** | | 0.0099 | 0.00098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Dichlorobiphenyls** | **1.3** | **B** | 0.020 | 0.00068 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Trichlorobiphenyls** | **12** | **B** | 0.020 | 0.0089 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Tetrachlorobiphenyls** | **42** | **q B** | 0.039 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Pentachlorobiphenyls** | **56** | **q B** | 0.059 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Hexachlorobiphenyls** | **60** | **B** | 0.039 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Heptachlorobiphenyls** | **32** | **B** | 0.020 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Octachlorobiphenyls** | **8.9** | **B** | 0.020 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Total Nonachlorobiphenyls** | **1.4** | | 0.0099 | 0.0051 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |
| **Polychlorinated biphenyls, Total** | **210** | **q B** | 0.059 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 21:54 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *61* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-3L* | *66* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-4L* | *68* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-15L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-19L* | *72* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-37L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-54L* | *72* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-77L* | *78* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-81L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-104L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-105L* | *85* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-114L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-118L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-123L* | *86* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-126L* | *89* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-155L* | *94* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-156L* | *78* | *C* | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-157L* | *78* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-167L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-169L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-170L* | *82* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-188L* | *85* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-189L* | *96* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-202L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-205L* | *74* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |

## Client Sample ID: J5-SC1b-30to40-82719
**Lab Sample ID: 580-88908-27**
**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-206L* | *63* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-208L* | *71* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-209L* | *62* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *77* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-111L* | *87* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |
| *PCB-178L* | *86* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 21:54* | *1* |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**
**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | **45.2** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| **Percent Solids** | **54.8** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**
**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **1.3** | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-2** | **0.051** | **J q** | 0.24 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-3** | **0.31** | | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-4** | **1.6** | | 0.49 | 0.075 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-5** | **0.058** | **J** | 0.24 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-6** | **0.41** | | 0.24 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-7** | **0.061** | **J q** | 0.24 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-8** | **1.2** | | 0.49 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-9** | **0.090** | **J q** | 0.24 | 0.042 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-10 | ND | | 0.24 | 0.040 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-11** | **0.077** | **J B** | 0.49 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-12** | **0.19** | **J C** | 0.49 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-13** | **0.19** | **J C12** | 0.49 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-14 | ND | | 0.24 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-15** | **0.55** | | 0.24 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-16** | **0.81** | | 0.24 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-17** | **1.2** | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-18** | **1.8** | **C** | 0.49 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-19** | **0.35** | | 0.24 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-20** | **3.7** | **C** | 0.49 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-21** | **1.5** | **C** | 0.49 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-22** | **0.71** | | 0.24 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-23 | ND | | 0.24 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-24** | **0.025** | **J q** | 0.24 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-25** | **0.45** | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-26** | **0.75** | **C** | 0.49 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-27** | **0.13** | **J q** | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |

## Client Sample ID: J5-SC1b-40to50-82719
## Lab Sample ID: 580-88908-28

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-28 | 3.7 | C20 | 0.49 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-29 | 0.75 | C26 | 0.49 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-30 | 1.8 | C18 | 0.49 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-31 | 2.5 | | 0.49 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-32 | 0.65 | | 0.24 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-33 | 1.5 | C21 | 0.49 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-34 | 0.062 | J | 0.24 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-35 | 0.083 | J q | 0.24 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-36 | ND | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-37 | 0.86 | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-38 | ND | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-39 | 0.097 | J | 0.24 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-40 | 3.6 | C | 0.73 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-41 | 3.6 | C40 | 0.73 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-42 | 2.6 | | 0.24 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-43 | 0.19 | J q C | 0.49 | 0.028 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-44 | 12 | C B | 0.73 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-45 | 1.1 | C B | 0.49 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-46 | 0.32 | | 0.24 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-47 | 12 | C44 B | 0.73 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-48 | 0.98 | | 0.24 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-49 | 10 | C B | 0.49 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-50 | 1.1 | C | 0.49 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-51 | 1.1 | C45 B | 0.49 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-52 | 26 | B | 0.24 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-53 | 1.1 | C50 | 0.49 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-54 | 0.031 | J q | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-55 | 0.13 | J | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-56 | 3.6 | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-57 | 0.065 | J | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-58 | 0.16 | J | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-59 | 0.73 | C | 0.73 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-60 | 0.65 | | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-61 | 23 | C B | 0.97 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-62 | 0.73 | C59 | 0.73 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-63 | 0.47 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-64 | 3.3 | | 0.24 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-65 | 12 | C44 B | 0.73 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-66 | 14 | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-67 | 0.27 | | 0.24 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-68 | 0.37 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-69 | 10 | C49 B | 0.49 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-70 | 23 | C61 B | 0.97 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-71 | 3.6 | C40 | 0.73 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-72 | 0.68 | | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-73 | 0.19 | J q C43 | 0.49 | 0.028 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-74 | 23 | C61 B | 0.97 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-75 | 0.73 | C59 | 0.73 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-76 | 23 | C61 B | 0.97 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |

## Client Sample ID: J5-SC1b-40to50-82719
## Lab Sample ID: 580-88908-28

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-77** | **1.1** | | 0.24 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-78 | ND | | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-79** | **0.45** | | 0.24 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-80** | **0.054** | **J q** | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-81** | **0.034** | **J q** | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-82** | **4.6** | | 0.24 | 0.054 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-83** | **29** | **C** | 0.49 | 0.049 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-84** | **11** | **B** | 0.24 | 0.054 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-85** | **6.7** | **C B** | 0.73 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-86** | **26** | **C** | 1.5 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-87** | **26** | **C86** | 1.5 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-88** | **6.2** | **C** | 0.49 | 0.046 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-89** | **0.30** | | 0.24 | 0.052 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-90** | **47** | **C B** | 0.73 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-91** | **6.2** | **C88** | 0.49 | 0.046 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-92** | **10** | | 0.24 | 0.049 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-93** | **0.60** | **C** | 0.49 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-94** | **0.20** | **J q** | 0.24 | 0.051 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-95** | **35** | | 0.24 | 0.048 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-96** | **0.22** | **J q** | 0.24 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-97** | **26** | **C86** | 1.5 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-98** | **1.2** | **C** | 0.49 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-99** | **29** | **C83** | 0.49 | 0.049 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-100** | **0.60** | **C93** | 0.49 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-101** | **47** | **C90 B** | 0.73 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-102** | **1.2** | **C98** | 0.49 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-103** | **0.97** | | 0.24 | 0.045 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-104 | ND | | 0.24 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-105** | **11** | | 0.24 | 0.094 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-106 | ND | | 0.24 | 0.096 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-107** | **3.2** | | 0.24 | 0.090 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-108** | **1.3** | **C** | 0.49 | 0.097 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-109** | **26** | **C86** | 1.5 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-110** | **51** | **C** | 0.49 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-111** | **0.085** | **J q** | 0.24 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-112 | ND | | 0.24 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-113** | **47** | **C90 B** | 0.73 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-114** | **0.70** | | 0.24 | 0.086 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-115** | **51** | **C110** | 0.49 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-116** | **6.7** | **C85 B** | 0.73 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-117** | **6.7** | **C85 B** | 0.73 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-118** | **36** | **B** | 0.24 | 0.092 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-119** | **26** | **C86** | 1.5 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-120** | **0.52** | | 0.24 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-121** | **0.062** | **J** | 0.24 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-122** | **0.51** | | 0.24 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-123** | **0.54** | | 0.24 | 0.088 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-124** | **1.3** | **C108** | 0.49 | 0.097 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| **PCB-125** | **26** | **C86** | 1.5 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |

## Client Sample ID: J5-SC1b-40to50-82719
## Lab Sample ID: 580-88908-28

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-126 | 0.12 | J | 0.24 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-127 | ND | | 0.24 | 0.095 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-128 | 7.6 | C B | 0.49 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-129 | 47 | C B | 0.97 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-130 | 3.7 | | 0.24 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-131 | 0.73 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-132 | 17 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-133 | 1.1 | | 0.24 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-134 | 2.9 | C | 0.49 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-135 | 16 | C B | 0.49 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-136 | 6.1 | B | 0.24 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-137 | 2.1 | | 0.24 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-138 | 47 | C129 B | 0.97 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-139 | 1.0 | C | 0.49 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-140 | 1.0 | C139 | 0.49 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-141 | 7.4 | | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-142 | ND | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-143 | 2.9 | C134 | 0.49 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-144 | 1.7 | | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-145 | 0.038 | J q | 0.24 | 0.0088 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-146 | 9.5 | B | 0.24 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-147 | 41 | C B | 0.49 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-148 | 0.22 | J q | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-149 | 41 | C147 B | 0.49 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-150 | 0.17 | J | 0.24 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-151 | 16 | C135 B | 0.49 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-152 | 0.049 | J q | 0.24 | 0.0084 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-153 | 40 | C B | 0.49 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-154 | 1.3 | | 0.24 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-155 | 0.014 | J q | 0.24 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-156 | 5.5 | C | 0.49 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-157 | 5.5 | C156 | 0.49 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-158 | 4.4 | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-159 | 0.43 | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-160 | 47 | C129 B | 0.97 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-161 | ND | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-162 | 0.16 | J q | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-163 | 47 | C129 B | 0.97 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-164 | 3.4 | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-165 | ND | | 0.24 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-166 | 7.6 | C128 B | 0.49 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-167 | 1.7 | | 0.24 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-168 | 40 | C153 B | 0.49 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-169 | ND | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-170 | 11 | B | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-171 | 3.7 | C | 0.49 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-172 | 1.9 | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-173 | 3.7 | C171 | 0.49 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-174 | 13 | B | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-175 | 0.54 | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-176 | 1.6 | | 0.24 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-177 | 7.4 | B | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-178 | 2.7 | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-179 | 5.5 | | 0.24 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-180 | 24 | C B | 0.49 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-181 | 0.15 | J | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-182 | 0.14 | J | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-183 | 7.9 | C B | 0.49 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-184 | ND | | 0.24 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-185 | 7.9 | C183 B | 0.49 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-186 | ND | | 0.24 | 0.0090 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-187 | 15 | B | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-188 | 0.057 | J | 0.24 | 0.0082 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-189 | 0.37 | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-190 | 2.1 | B | 0.24 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-191 | 0.50 | | 0.24 | 0.0093 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-192 | ND | | 0.24 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-193 | 24 | C180 B | 0.49 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-194 | 5.3 | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-195 | 2.3 | | 0.24 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-196 | 2.5 | | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-197 | 0.18 | J q | 0.24 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-198 | 5.8 | C B | 0.49 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-199 | 5.8 | C198 B | 0.49 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-200 | 0.73 | | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-201 | 0.73 | | 0.24 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-202 | 1.2 | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-203 | 3.5 | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-204 | ND | | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-205 | 0.27 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-206 | 2.6 | | 0.24 | 0.042 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-207 | 0.29 | | 0.24 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-208 | 0.68 | | 0.24 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-209 | 1.5 | | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Monochlorobiphenyls | 1.7 | q | 0.24 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Dichlorobiphenyls | 4.2 | q B | 0.49 | 0.040 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Trichlorobiphenyls | 16 | q | 0.49 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Tetrachlorobiphenyls | 110 | q B | 0.97 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Pentachlorobiphenyls | 280 | q B | 1.5 | 0.059 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Hexachlorobiphenyls | 220 | q B | 0.97 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Heptachlorobiphenyls | 98 | B | 0.49 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Octachlorobiphenyls | 23 | q B | 0.49 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Total Nonachlorobiphenyls | 3.6 | | 0.24 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| Polychlorinated biphenyls, Total | 760 | q B | 1.5 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 09/26/19 04:52 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *83* | | *30 - 140* | *09/17/19 12:25* | *09/26/19 04:52* | *5* |
| *PCB-3L* | *89* | | *30 - 140* | *09/17/19 12:25* | *09/26/19 04:52* | *5* |
| *PCB-4L* | *77* | | *30 - 140* | *09/17/19 12:25* | *09/26/19 04:52* | *5* |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-15L | 82 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-19L | 77 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-37L | 87 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-54L | 101 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-77L | 93 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-81L | 90 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-104L | 89 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-105L | 86 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-114L | 85 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-118L | 85 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-123L | 85 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-126L | 88 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-155L | 103 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-156L | 84 | C | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-157L | 84 | C156 | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-167L | 81 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-169L | 86 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-170L | 81 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-188L | 87 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-189L | 89 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-202L | 93 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-205L | 83 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-206L | 69 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-208L | 82 | | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-209L | 50 | q | 30 - 140 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 78 | | 40 - 125 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-111L | 93 | | 40 - 125 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |
| PCB-178L | 95 | | 40 - 125 | 09/17/19 12:25 | 09/26/19 04:52 | 5 |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.61** | | 0.049 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-2** | **0.063** | | 0.049 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-3** | **0.26** | | 0.049 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-4** | **0.31** | | 0.098 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-5** | **0.020** | **J** | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-6** | **0.24** | | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-7** | **0.053** | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-8** | **0.78** | | 0.098 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-9** | **0.069** | | 0.049 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-10** | **0.020** | **J q** | 0.049 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-11** | **0.059** | **J B** | 0.098 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-12** | **0.12** | **C** | 0.098 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-13** | **0.12** | **C12** | 0.098 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-14 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-15** | **0.47** | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-16** | **0.64** | | 0.049 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-17** | **0.92** | **B** | 0.049 | 0.0024 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 1.5 | C B | 0.098 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-19 | 0.13 | | 0.049 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-20 | 3.5 | C B | 0.098 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-21 | 1.4 | C B | 0.098 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-22 | 0.64 | B | 0.049 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-23 | ND | | 0.049 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-24 | 0.017 | J q | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-25 | 0.43 | | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-26 | 0.69 | C B | 0.098 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-27 | 0.11 | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-28 | 3.5 | C20 B | 0.098 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-29 | 0.69 | C26 B | 0.098 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-30 | 1.5 | C18 B | 0.098 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-31 | 2.2 | B | 0.098 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-32 | 0.55 | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-33 | 1.4 | C21 B | 0.098 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-34 | 0.054 | | 0.049 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-35 | 0.068 | | 0.049 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-36 | 0.016 | J | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-37 | 0.86 | B | 0.049 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-38 | ND | | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-39 | 0.086 | | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-40 | 2.6 | C | 0.15 | 0.0098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-41 | 2.6 | C40 | 0.15 | 0.0098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-42 | 2.1 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-43 | 0.12 | q C | 0.098 | 0.0090 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-44 | 8.1 | C B | 0.15 | 0.0087 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-45 | 0.76 | C B | 0.098 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-46 | 0.23 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-47 | 8.1 | C44 B | 0.15 | 0.0087 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-48 | 0.71 | | 0.049 | 0.0095 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-49 | 7.5 | C B | 0.098 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-50 | 0.64 | C | 0.098 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-51 | 0.76 | C45 B | 0.098 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-52 | 13 | B | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-53 | 0.64 | C50 | 0.098 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-54 | 0.026 | J | 0.049 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-55 | 0.049 | q | 0.049 | 0.0069 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-56 | 2.7 | | 0.049 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-57 | ND | | 0.049 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-58 | 0.14 | | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-59 | 0.55 | C | 0.15 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-60 | 0.32 | | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-61 | 15 | C B | 0.20 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-62 | 0.55 | C59 | 0.15 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-63 | 0.36 | | 0.049 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-64 | 2.1 | | 0.049 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-65 | 8.1 | C44 B | 0.15 | 0.0087 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-66 | 10 | B | 0.049 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |

## Client Sample ID: J5-SC1b-40to50-82719
## Lab Sample ID: 580-88908-28

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-67 | 0.20 | | 0.049 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-68 | 0.32 | B | 0.049 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-69 | 7.5 | C49 B | 0.098 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-70 | 15 | C61 B | 0.20 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-71 | 2.6 | C40 | 0.15 | 0.0098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-72 | 0.58 | | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-73 | 0.12 | q C43 | 0.098 | 0.0090 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-74 | 15 | C61 B | 0.20 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-75 | 0.55 | C59 | 0.15 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-76 | 15 | C61 B | 0.20 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-77 | 0.82 | | 0.049 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-78 | ND | | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-79 | 0.35 | | 0.049 | 0.0058 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-80 | ND | | 0.049 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-81 | ND | | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-82 | 2.4 | B | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-83 | 19 | C B | 0.098 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-84 | 6.1 | B | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-85 | 3.7 | C | 0.15 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-86 | 15 | C B | 0.29 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-87 | 15 | C86 B | 0.29 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-88 | 3.9 | C B | 0.098 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-89 | 0.18 | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-90 | 27 | C B | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-91 | 3.9 | C88 B | 0.098 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-92 | 6.7 | B | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-93 | 0.45 | C | 0.098 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-94 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-95 | 19 | B | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-96 | 0.14 | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-97 | 15 | C86 B | 0.29 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-98 | 0.78 | C | 0.098 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-99 | 19 | C83 B | 0.098 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-100 | 0.45 | C93 | 0.098 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-101 | 27 | C90 B | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-102 | 0.78 | C98 | 0.098 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-103 | 0.75 | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-104 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-105 | 5.9 | B | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-106 | ND | | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-107 | 2.3 | B | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-108 | 0.68 | C | 0.098 | 0.021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-109 | 15 | C86 B | 0.29 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-110 | 28 | C B | 0.098 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-111 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-112 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-113 | 27 | C90 B | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-114 | 0.38 | | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-115 | 28 | C110 B | 0.098 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |

## Client Sample ID: J5-SC1b-40to50-82719
## Lab Sample ID: 580-88908-28

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-116 | 3.7 | C85 | 0.15 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-117 | 3.7 | C85 | 0.15 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-118 | 22 | B | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-119 | 15 | C86 B | 0.29 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-120 | 0.39 | | 0.049 | 0.00095 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-121 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-122 | 0.27 | B | 0.049 | 0.022 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-123 | 0.29 | | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-124 | 0.68 | C108 | 0.098 | 0.021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-125 | 15 | C86 B | 0.29 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-126 | 0.088 | | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-127 | ND | | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-128 | 4.2 | C B | 0.098 | 0.0084 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-129 | 26 | C B | 0.20 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-130 | 2.2 | B | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-131 | 0.32 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-132 | 8.9 | B | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-133 | 0.71 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-134 | 1.6 | C | 0.098 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-135 | 12 | C B | 0.098 | 0.00099 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-136 | 4.3 | B | 0.049 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-137 | 1.0 | | 0.049 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-138 | 26 | C129 B | 0.20 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-139 | 0.62 | C | 0.098 | 0.0093 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-140 | 0.62 | C139 | 0.098 | 0.0093 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-141 | 4.2 | B | 0.049 | 0.0097 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-142 | ND | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-143 | 1.6 | C134 | 0.098 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-144 | 1.2 | | 0.049 | 0.00094 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-145 | ND | | 0.049 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-146 | 6.3 | B | 0.049 | 0.0093 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-147 | 23 | C B | 0.098 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-148 | 0.17 | q | 0.049 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-149 | 23 | C147 B | 0.098 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-150 | 0.14 | | 0.049 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-151 | 12 | C135 B | 0.098 | 0.00099 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-152 | 0.020 | J | 0.049 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-153 | 24 | C B | 0.098 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-154 | 1.2 | | 0.049 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-155 | ND | | 0.049 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-156 | 3.2 | C B | 0.098 | 0.0089 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-157 | 3.2 | C156 B | 0.098 | 0.0089 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-158 | 2.3 | B | 0.049 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-159 | 0.32 | | 0.049 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-160 | 26 | C129 B | 0.20 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-161 | ND | | 0.049 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-162 | 0.11 | B | 0.049 | 0.0069 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-163 | 26 | C129 B | 0.20 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-164 | 2.0 | B | 0.049 | 0.0075 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-165 | ND | | 0.049 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-166** | **4.2** | **C128 B** | 0.098 | 0.0084 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-167** | **1.0** | **B** | 0.049 | 0.0059 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-168** | **24** | **C153 B** | 0.098 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-169 | ND | | 0.049 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-170** | **7.7** | **B** | 0.049 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-171** | **2.9** | **C B** | 0.098 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-172** | **1.5** | **B** | 0.049 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-173** | **2.9** | **C171 B** | 0.098 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-174** | **10** | **B** | 0.049 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-175** | **0.39** | | 0.049 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-176** | **1.1** | **B** | 0.049 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-177** | **6.2** | **B** | 0.049 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-178** | **2.1** | **B** | 0.049 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-179** | **4.1** | **B** | 0.049 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-180** | **18** | **C B** | 0.098 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-181** | **0.092** | | 0.049 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-182** | **0.12** | | 0.049 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-183** | **6.1** | **C B** | 0.098 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-184 | ND | | 0.049 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-185** | **6.1** | **C183 B** | 0.098 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-186 | ND | | 0.049 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-187** | **12** | **B** | 0.049 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-188 | ND | | 0.049 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-189** | **0.29** | **B** | 0.049 | 0.0050 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-190** | **1.7** | **B** | 0.049 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-191** | **0.36** | | 0.049 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-192 | ND | | 0.049 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-193** | **18** | **C180 B** | 0.098 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-194** | **4.3** | **B** | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-195** | **1.9** | **B** | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-196** | **2.1** | **B** | 0.049 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-197** | **0.15** | **B** | 0.049 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-198** | **4.8** | **C B** | 0.098 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-199** | **4.8** | **C198 B** | 0.098 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-200** | **0.57** | | 0.049 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-201** | **0.60** | **B** | 0.049 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-202** | **0.96** | **B** | 0.049 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-203** | **2.7** | | 0.049 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| PCB-204 | ND | | 0.049 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-205** | **0.21** | | 0.049 | 0.0091 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-206** | **1.8** | | 0.049 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-207** | **0.22** | | 0.049 | 0.0094 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-208** | **0.49** | | 0.049 | 0.0097 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **PCB-209** | **1.1** | | 0.049 | 0.00098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **Total Monochlorobiphenyls** | **0.93** | | 0.049 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **Total Dichlorobiphenyls** | **2.1** | **q B** | 0.098 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **Total Trichlorobiphenyls** | **14** | **q B** | 0.098 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| **Total Tetrachlorobiphenyls** | **69** | **q B** | 0.20 | 0.0074 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |

## Client Sample ID: J5-SC1b-40to50-82719
## Lab Sample ID: 580-88908-28

**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Pentachlorobiphenyls | 170 | B | 0.29 | 0.0073 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| Total Hexachlorobiphenyls | 130 | q B | 0.20 | 0.0065 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| Total Heptachlorobiphenyls | 75 | B | 0.098 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| Total Octachlorobiphenyls | 18 | B | 0.098 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| Total Nonachlorobiphenyls | 2.5 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |
| Polychlorinated biphenyls, Total | 480 | q B | 0.29 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 17:46 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *60* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-3L* | *63* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-4L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-15L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-19L* | *70* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-37L* | *91* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-54L* | *68* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-77L* | *95* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-81L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-104L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-105L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-114L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-118L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-123L* | *82* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-126L* | *95* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-155L* | *99* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-156L* | *89* | *C* | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-157L* | *89* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-167L* | *91* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-169L* | *104* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-170L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-188L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-189L* | *95* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-202L* | *95* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-205L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-206L* | *72* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-208L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-209L* | *66* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *81* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-111L* | *95* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |
| *PCB-178L* | *92* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 17:46* | *1* |

## Client Sample ID: J5-SC1b-50to60-82719
## Lab Sample ID: 580-88908-29

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Percent Moisture | 44.2 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| Percent Solids | 55.8 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.18 | J | 0.24 | 0.0071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-2 | 0.028 | J | 0.24 | 0.0074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-3 | 0.15 | J | 0.24 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-4 | 0.44 | J | 0.48 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-5 | ND | | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-6 | 0.33 | | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-7 | 0.074 | J | 0.24 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-8 | 1.2 | | 0.48 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-9 | 0.11 | J | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-10 | ND | | 0.24 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-11 | ND | | 0.48 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-12 | 0.13 | J C | 0.48 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-13 | 0.13 | J C12 | 0.48 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-14 | ND | | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-15 | 0.71 | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-16 | 1.3 | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-17 | 1.8 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-18 | 2.7 | C | 0.48 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-19 | 0.24 | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-20 | 6.5 | C | 0.48 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-21 | 2.4 | C | 0.48 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-22 | 1.1 | | 0.24 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-23 | ND | | 0.24 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-24 | 0.035 | J | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-25 | 0.72 | | 0.24 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-26 | 1.4 | C | 0.48 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-27 | 0.22 | J | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-28 | 6.5 | C20 | 0.48 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-29 | 1.4 | C26 | 0.48 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-30 | 2.7 | C18 | 0.48 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-31 | 4.1 | | 0.48 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-32 | 1.1 | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-33 | 2.4 | C21 | 0.48 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-34 | 0.085 | J | 0.24 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-35 | 0.064 | J | 0.24 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-36 | ND | | 0.24 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-37 | 1.5 | | 0.24 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-38 | ND | | 0.24 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-39 | 0.13 | J | 0.24 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-40 | 5.2 | C | 0.72 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-41 | 5.2 | C40 | 0.72 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-42 | 3.8 | | 0.24 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-43 | 0.23 | J C | 0.48 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-44 | 17 | C B | 0.72 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-45 | 1.4 | C B | 0.48 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-46 | 0.52 | | 0.24 | 0.042 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-47 | 17 | C44 B | 0.72 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-48 | 1.6 | | 0.24 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-49 | 16 | C B | 0.48 | 0.028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |

## Client Sample ID: J5-SC1b-50to60-82719
## Lab Sample ID: 580-88908-29

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | 1.3 | C | 0.48 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-51 | 1.4 | C45 B | 0.48 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-52 | 35 | B | 0.24 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-53 | 1.3 | C50 | 0.48 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-54 | 0.029 | J | 0.24 | 0.0045 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-55 | 0.083 | J | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-56 | 5.2 | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-57 | 0.15 | J | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-58 | 0.17 | J | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-59 | 1.0 | C | 0.72 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-60 | 0.75 | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-61 | 31 | C B | 0.96 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-62 | 1.0 | C59 | 0.72 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-63 | 0.60 | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-64 | 4.6 | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-65 | 17 | C44 B | 0.72 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-66 | 18 | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-67 | 0.38 | | 0.24 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-68 | 0.54 | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-69 | 16 | C49 B | 0.48 | 0.028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-70 | 31 | C61 B | 0.96 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-71 | 5.2 | C40 | 0.72 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-72 | 1.1 | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-73 | 0.23 | J C43 | 0.48 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-74 | 31 | C61 B | 0.96 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-75 | 1.0 | C59 | 0.72 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-76 | 31 | C61 B | 0.96 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-77 | 1.2 | | 0.24 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-78 | ND | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-79 | 0.74 | | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-80 | ND | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-81 | 0.067 | J | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-82 | 5.6 | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-83 | 40 | C | 0.48 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-84 | 14 | B | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-85 | 7.9 | C B | 0.72 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-86 | 34 | C | 1.4 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-87 | 34 | C86 | 1.4 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-88 | 8.7 | C | 0.48 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-89 | 0.44 | | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-90 | 63 | C B | 0.72 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-91 | 8.7 | C88 | 0.48 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-92 | 16 | | 0.24 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-93 | 0.99 | C | 0.48 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-94 | ND | | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-95 | 47 | | 0.24 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-96 | ND | | 0.24 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-97 | 34 | C86 | 1.4 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-98 | 1.6 | C | 0.48 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-99 | 40 | C83 | 0.48 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-100 | 0.99 | C93 | 0.48 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-101 | 63 | C90 B | 0.72 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-102 | 1.6 | C98 | 0.48 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-103 | 1.6 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-104 | ND | | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-105 | 14 | | 0.24 | 0.074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-106 | ND | | 0.24 | 0.075 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-107 | 4.5 | | 0.24 | 0.070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-108 | 1.7 | C | 0.48 | 0.076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-109 | 34 | C86 | 1.4 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-110 | 64 | C | 0.48 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-111 | ND | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-112 | ND | | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-113 | 63 | C90 B | 0.72 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-114 | 0.83 | | 0.24 | 0.070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-115 | 64 | C110 | 0.48 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-116 | 7.9 | C85 B | 0.72 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-117 | 7.9 | C85 B | 0.72 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-118 | 47 | B | 0.24 | 0.070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-119 | 34 | C86 | 1.4 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-120 | 0.67 | | 0.24 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-121 | ND | | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-122 | 0.67 | | 0.24 | 0.082 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-123 | 0.67 | | 0.24 | 0.069 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-124 | 1.7 | C108 | 0.48 | 0.076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-125 | 34 | C86 | 1.4 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-126 | 0.13 | J | 0.24 | 0.076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-127 | ND | | 0.24 | 0.074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-128 | 9.6 | C B | 0.48 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-129 | 61 | C B | 0.96 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-130 | 4.6 | | 0.24 | 0.040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-131 | 0.91 | | 0.24 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-132 | 22 | | 0.24 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-133 | 1.7 | | 0.24 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-134 | 3.9 | C | 0.48 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-135 | 26 | C B | 0.48 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-136 | 9.1 | B | 0.24 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-137 | 2.7 | | 0.24 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-138 | 61 | C129 B | 0.96 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-139 | 1.5 | C | 0.48 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-140 | 1.5 | C139 | 0.48 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-141 | 10 | | 0.24 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-142 | ND | | 0.24 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-143 | 3.9 | C134 | 0.48 | 0.039 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-144 | 2.7 | | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-145 | 0.046 | J | 0.24 | 0.0088 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-146 | 14 | B | 0.24 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-147 | 55 | C B | 0.48 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |

## Client Sample ID: J5-SC1b-50to60-82719
## Lab Sample ID: 580-88908-29

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-148 | 0.48 | | 0.24 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-149 | 55 | C147 B | 0.48 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-150 | 0.35 | | 0.24 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-151 | 26 | C135 B | 0.48 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-152 | 0.037 | J | 0.24 | 0.0084 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-153 | 55 | C B | 0.48 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-154 | 2.5 | | 0.24 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-155 | ND | | 0.24 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-156 | 7.6 | C | 0.48 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-157 | 7.6 | C156 | 0.48 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-158 | 5.6 | | 0.24 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-159 | 0.69 | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-160 | 61 | C129 B | 0.96 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-161 | ND | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-162 | 0.24 | | 0.24 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-163 | 61 | C129 B | 0.96 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-164 | 4.5 | | 0.24 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-165 | ND | | 0.24 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-166 | 9.6 | C128 B | 0.48 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-167 | 2.3 | | 0.24 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-168 | 55 | C153 B | 0.48 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-169 | ND | | 0.24 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-170 | 16 | B | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-171 | 5.6 | C | 0.48 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-172 | 3.1 | | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-173 | 5.6 | C171 | 0.48 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-174 | 19 | B | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-175 | 0.77 | | 0.24 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-176 | 2.3 | | 0.24 | 0.0071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-177 | 11 | B | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-178 | 4.2 | | 0.24 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-179 | 8.4 | | 0.24 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-180 | 36 | C B | 0.48 | 0.0088 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-181 | 0.20 | J | 0.24 | 0.0098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-182 | 0.21 | J | 0.24 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-183 | 12 | C B | 0.48 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-184 | ND | | 0.24 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-185 | 12 | C183 B | 0.48 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-186 | ND | | 0.24 | 0.0075 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-187 | 23 | B | 0.24 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-188 | ND | | 0.24 | 0.0071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-189 | 0.60 | | 0.24 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-190 | 3.3 | B | 0.24 | 0.0078 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-191 | 0.75 | | 0.24 | 0.0078 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-192 | ND | | 0.24 | 0.0084 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-193 | 36 | C180 B | 0.48 | 0.0088 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-194 | 8.0 | | 0.24 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-195 | 3.6 | | 0.24 | 0.13 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-196 | 4.0 | | 0.24 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |

## Client Sample ID: J5-SC1b-50to60-82719
## Lab Sample ID: 580-88908-29

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-197** | **0.34** | | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-198** | **8.6** | **C B** | 0.48 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-199** | **8.6** | **C198 B** | 0.48 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-200** | **1.1** | | 0.24 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-201** | **1.1** | | 0.24 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-202** | **1.7** | | 0.24 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-203** | **5.0** | | 0.24 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| PCB-204 | ND | | 0.24 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-205** | **0.41** | | 0.24 | 0.080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-206** | **6.0** | **q** | 0.24 | 0.053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-207** | **0.41** | | 0.24 | 0.037 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-208** | **0.95** | | 0.24 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **PCB-209** | **2.3** | | 0.24 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Monochlorobiphenyls** | **0.36** | | 0.24 | 0.0074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Dichlorobiphenyls** | **3.0** | **q B** | 0.48 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Trichlorobiphenyls** | **25** | | 0.48 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Tetrachlorobiphenyls** | **150** | **q B** | 0.96 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Pentachlorobiphenyls** | **380** | **B** | 1.4 | 0.036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Hexachlorobiphenyls** | **300** | **q B** | 0.96 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Heptachlorobiphenyls** | **150** | **q B** | 0.48 | 0.0096 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Octachlorobiphenyls** | **34** | **B** | 0.48 | 0.040 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Total Nonachlorobiphenyls** | **7.4** | **q** | 0.24 | 0.043 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |
| **Polychlorinated biphenyls, Total** | **1000** | **q B** | 1.4 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 17:45 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *54* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-3L* | *62* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-4L* | *64* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-15L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-19L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-37L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-54L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-77L* | *92* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-81L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-104L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-105L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-114L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-118L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-123L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-126L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-155L* | *103* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-156L* | *79* | *C* | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-157L* | *79* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-167L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-169L* | *95* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-170L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-188L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-189L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-202L* | *93* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-205L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-206L* | *71* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-208L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-209L* | *70* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *79* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-111L* | *93* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |
| *PCB-178L* | *89* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 17:45* | *5* |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.31** | | 0.049 | 0.0024 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-2** | **0.038** | **J** | 0.049 | 0.0024 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-3** | **0.22** | | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-4** | **0.51** | | 0.099 | 0.0051 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-5** | **0.024** | **J** | 0.049 | 0.0032 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-6** | **0.36** | | 0.049 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-7** | **0.068** | | 0.049 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-8** | **1.4** | | 0.099 | 0.0032 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-9** | **0.10** | | 0.049 | 0.0036 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-10** | **0.030** | **J** | 0.049 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-11** | **0.026** | **J B** | 0.099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-12** | **0.15** | **C** | 0.099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-13** | **0.15** | **C12** | 0.099 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-14 | ND | | 0.049 | 0.0027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-15** | **0.79** | | 0.049 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-16** | **1.4** | | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-17** | **1.9** | **B** | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-18** | **3.1** | **C B** | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-19** | **0.29** | | 0.049 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-20** | **6.9** | **C B** | 0.099 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-21** | **2.7** | **C B** | 0.099 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-22** | **1.2** | **B** | 0.049 | 0.033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-23 | ND | | 0.049 | 0.032 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-24** | **0.048** | **J** | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-25** | **0.78** | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-26** | **1.5** | **C B** | 0.099 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-27** | **0.25** | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-28** | **6.9** | **C20 B** | 0.099 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-29** | **1.5** | **C26 B** | 0.099 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-30** | **3.1** | **C18 B** | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-31** | **4.4** | **B** | 0.099 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-32** | **1.2** | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-33** | **2.7** | **C21 B** | 0.099 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-34** | **0.099** | | 0.049 | 0.034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-35** | **0.088** | | 0.049 | 0.034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-36 | ND | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-37** | **1.8** | **B** | 0.049 | 0.032 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-38 | ND | | 0.049 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-39** | **0.13** | | 0.049 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-40 | 5.5 | C | 0.15 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-41 | 5.5 | C40 | 0.15 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-42 | 3.9 | | 0.049 | 0.018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-43 | 0.33 | C | 0.099 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-44 | 17 | C B | 0.15 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-45 | 1.4 | C B | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-46 | 0.49 | | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-47 | 17 | C44 B | 0.15 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-48 | 1.7 | | 0.049 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-49 | 15 | C B | 0.099 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-50 | 1.3 | C | 0.099 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-51 | 1.4 | C45 B | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-52 | 36 | B | 0.049 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-53 | 1.3 | C50 | 0.099 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-54 | 0.027 | J | 0.049 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-55 | 0.078 | q | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-56 | 5.5 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-57 | 0.16 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-58 | 0.21 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-59 | 1.1 | C | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-60 | 0.87 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-61 | 33 | C B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-62 | 1.1 | C59 | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-63 | 0.70 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-64 | 4.9 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-65 | 17 | C44 B | 0.15 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-66 | 18 | B | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-67 | 0.41 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-68 | 0.51 | B | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-69 | 15 | C49 B | 0.099 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-70 | 33 | C61 B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-71 | 5.5 | C40 | 0.15 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-72 | 1.2 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-73 | 0.33 | C43 | 0.099 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-74 | 33 | C61 B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-75 | 1.1 | C59 | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-76 | 33 | C61 B | 0.20 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-77 | 1.4 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-78 | ND | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-79 | 0.67 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-80 | ND | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-81 | 0.040 | J | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-82 | 6.1 | B | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-83 | 46 | C B | 0.099 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-84 | 16 | B | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-85 | 9.3 | C | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-86 | 38 | C B | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-87 | 38 | C86 B | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-88 | 9.7 | C B | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |

## Client Sample ID: J5-SC1b-50to60-82719
## Lab Sample ID: 580-88908-29

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-89 | 0.48 | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-90 | 73 | C B | 0.15 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-91 | 9.7 | C88 B | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-92 | 18 | B | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-93 | 1.1 | C | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-94 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-95 | 51 | B | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-96 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-97 | 38 | C86 B | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-98 | 1.8 | C | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-99 | 46 | C83 B | 0.099 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-100 | 1.1 | C93 | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-101 | 73 | C90 B | 0.15 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-102 | 1.8 | C98 | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-103 | 1.7 | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-104 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-105 | 15 | B | 0.049 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-106 | ND | | 0.049 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-107 | 4.9 | B | 0.049 | 0.041 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-108 | 1.9 | C | 0.099 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-109 | 38 | C86 B | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-110 | 70 | C B | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-111 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-112 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-113 | 73 | C90 B | 0.15 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-114 | 1.0 | | 0.049 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-115 | 70 | C110 B | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-116 | 9.3 | C85 | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-117 | 9.3 | C85 | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-118 | 51 | B | 0.049 | 0.041 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-119 | 38 | C86 B | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-120 | 0.65 | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-121 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-122 | 0.67 | B | 0.049 | 0.048 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-123 | 0.70 | | 0.049 | 0.042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-124 | 1.9 | C108 | 0.099 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-125 | 38 | C86 B | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-126 | 0.16 | | 0.049 | 0.043 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-127 | ND | | 0.049 | 0.043 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-128 | 11 | C B | 0.099 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-129 | 68 | C B | 0.20 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-130 | 5.4 | B | 0.049 | 0.021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-131 | 1.0 | | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-132 | 25 | B | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-133 | 2.0 | | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-134 | 4.7 | C | 0.099 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-135 | 26 | C B | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-136 | 11 | B | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-137 | 3.0 | | 0.049 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-138 | 68 | C129 B | 0.20 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-139 | 1.9 | C | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-140 | 1.9 | C139 | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-141 | 12 | B | 0.049 | 0.018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-142 | ND | | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-143 | 4.7 | C134 | 0.099 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-144 | 2.8 | | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-145 | 0.038 | J | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-146 | 15 | B | 0.049 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-147 | 61 | C B | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-148 | 0.47 | | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-149 | 61 | C147 B | 0.099 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-150 | 0.37 | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-151 | 26 | C135 B | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-152 | 0.054 | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-153 | 61 | C B | 0.099 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-154 | 2.4 | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-155 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-156 | 8.3 | C B | 0.099 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-157 | 8.3 | C156 B | 0.099 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-158 | 6.4 | B | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-159 | 0.62 | | 0.049 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-160 | 68 | C129 B | 0.20 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-161 | ND | | 0.049 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-162 | 0.22 | B | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-163 | 68 | C129 B | 0.20 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-164 | 5.0 | B | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-165 | ND | | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-166 | 11 | C128 B | 0.099 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-167 | 2.5 | B | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-168 | 61 | C153 B | 0.099 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-169 | ND | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-170 | 17 | B | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-171 | 5.4 | C B | 0.099 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-172 | 3.0 | B | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-173 | 5.4 | C171 B | 0.099 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-174 | 18 | B | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-175 | 0.82 | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-176 | 2.4 | B | 0.049 | 0.00097 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-177 | 11 | B | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-178 | 4.2 | B | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-179 | 8.6 | B | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-180 | 35 | C B | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-181 | 0.19 | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-182 | 0.21 | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-183 | 11 | C B | 0.099 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-184 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-185 | 11 | C183 B | 0.099 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-186 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |

## Client Sample ID: J5-SC1b-50to60-82719
## Lab Sample ID: 580-88908-29

**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-187** | **23** | **B** | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-188 | ND | | 0.049 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-189** | **0.64** | **B** | 0.049 | 0.0054 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-190** | **3.3** | **B** | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-191** | **0.74** | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-192 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-193** | **35** | **C180 B** | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-194** | **8.5** | **B** | 0.049 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-195** | **3.7** | **B** | 0.049 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-196** | **4.3** | **B** | 0.049 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-197** | **0.31** | **B** | 0.049 | 0.0028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-198** | **9.6** | **C B** | 0.099 | 0.0042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-199** | **9.6** | **C198 B** | 0.099 | 0.0042 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-200** | **1.2** | | 0.049 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-201** | **1.1** | **B** | 0.049 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-202** | **1.8** | **B** | 0.049 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-203** | **5.8** | | 0.049 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| PCB-204 | ND | | 0.049 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-205** | **0.42** | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-206** | **5.2** | **q** | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-207** | **0.41** | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-208** | **0.82** | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **PCB-209** | **1.5** | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Monochlorobiphenyls** | **0.57** | | 0.049 | 0.0024 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Dichlorobiphenyls** | **3.5** | **B** | 0.099 | 0.0033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Trichlorobiphenyls** | **28** | **B** | 0.099 | 0.021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Tetrachlorobiphenyls** | **150** | **q B** | 0.20 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Pentachlorobiphenyls** | **420** | **B** | 0.30 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Hexachlorobiphenyls** | **340** | **B** | 0.20 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Heptachlorobiphenyls** | **140** | **B** | 0.099 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Octachlorobiphenyls** | **37** | **B** | 0.099 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Total Nonachlorobiphenyls** | **6.4** | **q** | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |
| **Polychlorinated biphenyls, Total** | **1100** | **q B** | 0.30 | 0.0094 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 18:48 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-3L* | *69* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-4L* | *68* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-15L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-19L* | *73* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-37L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-54L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-77L* | *94* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-81L* | *91* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-104L* | *85* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-105L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-114L* | *86* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-118L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-123L* | *85* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-126L* | *95* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**
**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-155L* | *100* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-156L* | *83* | *C* | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-157L* | *83* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-167L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-169L* | *97* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-170L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-188L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-189L* | *99* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-202L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-205L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-206L* | *73* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-208L* | *78* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-209L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *80* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-111L* | *91* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |
| *PCB-178L* | *90* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 18:48* | *1* |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**
**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | **43.8** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| **Percent Solids** | **56.2** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**
**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.088** | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-2** | **0.012** | **J** | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-3** | **0.071** | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-4** | **0.21** | | 0.099 | 0.0049 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-5** | **0.010** | **J** | 0.049 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-6** | **0.16** | | 0.049 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-7** | **0.028** | **J** | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-8** | **0.65** | | 0.099 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-9** | **0.031** | **J** | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-10** | **0.010** | **J** | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-11** | **0.014** | **J B** | 0.099 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-12** | **0.063** | **J C** | 0.099 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-13** | **0.063** | **J C12** | 0.099 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-14 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-15** | **0.26** | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-16** | **0.53** | | 0.049 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-17** | **0.78** | | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
## Lab Sample ID: 580-88908-30

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 1.2 | C | 0.099 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-19 | 0.12 | | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-20 | 2.6 | C | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-21 | 1.1 | C | 0.099 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-22 | 0.48 | | 0.049 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-23 | ND | | 0.049 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-24 | 0.011 | J | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-25 | 0.24 | | 0.049 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-26 | 0.35 | C | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-27 | 0.094 | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-28 | 2.6 | C20 | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-29 | 0.35 | C26 | 0.099 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-30 | 1.2 | C18 | 0.099 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-31 | 1.8 | | 0.099 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-32 | 0.47 | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-33 | 1.1 | C21 | 0.099 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-34 | 0.042 | J | 0.049 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-35 | 0.026 | J | 0.049 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-36 | ND | | 0.049 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-37 | 0.54 | | 0.049 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-38 | ND | | 0.049 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-39 | 0.042 | J | 0.049 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-40 | 2.2 | C | 0.15 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-41 | 2.2 | C40 | 0.15 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-42 | 1.5 | | 0.049 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-43 | 0.091 | J C | 0.099 | 0.0092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-44 | 7.4 | C B | 0.15 | 0.0089 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-45 | 0.70 | C B | 0.099 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-46 | 0.23 | | 0.049 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-47 | 7.4 | C44 B | 0.15 | 0.0089 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-48 | 0.65 | | 0.049 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-49 | 6.0 | C B | 0.099 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-50 | 0.63 | C | 0.099 | 0.0098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-51 | 0.70 | C45 B | 0.099 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-52 | 14 | B | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-53 | 0.63 | C50 | 0.099 | 0.0098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-54 | 0.024 | J | 0.049 | 0.00070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-55 | ND | | 0.049 | 0.0071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-56 | 1.7 | | 0.049 | 0.0073 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-57 | 0.0086 | J | 0.049 | 0.0072 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-58 | 0.054 | q | 0.049 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-59 | 0.35 | C | 0.15 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-60 | 0.27 | | 0.049 | 0.0069 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-61 | 12 | C B | 0.20 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-62 | 0.35 | C59 | 0.15 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-63 | 0.18 | | 0.049 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-64 | 1.9 | | 0.049 | 0.0065 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-65 | 7.4 | C44 B | 0.15 | 0.0089 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-66 | 6.1 | | 0.049 | 0.0072 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
## Lab Sample ID: 580-88908-30

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-67 | 0.099 | | 0.049 | 0.0066 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-68 | 0.18 | | 0.049 | 0.0062 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-69 | 6.0 | C49 B | 0.099 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-70 | 12 | C61 B | 0.20 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-71 | 2.2 | C40 | 0.15 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-72 | 0.33 | | 0.049 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-73 | 0.091 | J C43 | 0.099 | 0.0092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-74 | 12 | C61 B | 0.20 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-75 | 0.35 | C59 | 0.15 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-76 | 12 | C61 B | 0.20 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-77 | 0.28 | | 0.049 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-78 | ND | | 0.049 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-79 | 0.26 | | 0.049 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-80 | ND | | 0.049 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-81 | ND | | 0.049 | 0.0071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-82 | 2.1 | | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-83 | 16 | C | 0.099 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-84 | 6.4 | B | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-85 | 2.9 | C B | 0.15 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-86 | 13 | C | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-87 | 13 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-88 | 4.2 | C | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-89 | 0.14 | q | 0.049 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-90 | 26 | C B | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-91 | 4.2 | C88 | 0.099 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-92 | 6.0 | | 0.049 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-93 | 0.50 | C | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-94 | 0.11 | | 0.049 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-95 | 22 | | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-96 | 0.15 | | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-97 | 13 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-98 | 0.75 | C | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-99 | 16 | C83 | 0.099 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-100 | 0.50 | C93 | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-101 | 26 | C90 B | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-102 | 0.75 | C98 | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-103 | 0.76 | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-104 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-105 | 5.0 | | 0.049 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-106 | ND | | 0.049 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-107 | 1.4 | | 0.049 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-108 | 0.58 | C | 0.099 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-109 | 13 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-110 | 26 | C | 0.099 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-111 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-112 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-113 | 26 | C90 B | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-114 | 0.28 | | 0.049 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-115 | 26 | C110 | 0.099 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
## Lab Sample ID: 580-88908-30

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-116 | 2.9 | C85 B | 0.15 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-117 | 2.9 | C85 B | 0.15 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-118 | 16 | B | 0.049 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-119 | 13 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-120 | 0.25 | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-121 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-122 | 0.20 | | 0.049 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-123 | 0.20 | | 0.049 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-124 | 0.58 | C108 | 0.099 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-125 | 13 | C86 | 0.30 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-126 | ND | | 0.049 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-127 | ND | | 0.049 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-128 | 3.4 | C B | 0.099 | 0.0075 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-129 | 22 | C B | 0.20 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-130 | 1.7 | | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-131 | 0.31 | | 0.049 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-132 | 8.1 | | 0.049 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-133 | 0.67 | | 0.049 | 0.0092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-134 | 1.4 | C | 0.099 | 0.0098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-135 | 9.7 | C B | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-136 | 4.1 | B | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-137 | 0.86 | | 0.049 | 0.0079 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-138 | 22 | C129 B | 0.20 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-139 | 0.56 | C | 0.099 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-140 | 0.56 | C139 | 0.099 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-141 | 3.7 | | 0.049 | 0.0087 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-142 | ND | | 0.049 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-143 | 1.4 | C134 | 0.099 | 0.0098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-144 | 0.98 | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-145 | 0.011 | J | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-146 | 5.8 | B | 0.049 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-147 | 23 | C B | 0.099 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-148 | 0.20 | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-149 | 23 | C147 B | 0.099 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-150 | 0.17 | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-151 | 9.7 | C135 B | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-152 | 0.021 | J | 0.049 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-153 | 22 | C B | 0.099 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-154 | 1.1 | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-155 | ND | | 0.049 | 0.00095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-156 | 2.4 | C | 0.099 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-157 | 2.4 | C156 | 0.099 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-158 | 2.0 | | 0.049 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-159 | 0.28 | | 0.049 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-160 | 22 | C129 B | 0.20 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-161 | ND | | 0.049 | 0.0062 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-162 | 0.066 | | 0.049 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-163 | 22 | C129 B | 0.20 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-164 | 1.7 | | 0.049 | 0.0067 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
## Lab Sample ID: 580-88908-30

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-165 | ND | | 0.049 | 0.0074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-166** | **3.4** | **C128 B** | 0.099 | 0.0075 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-167** | **0.71** | | 0.049 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-168** | **22** | **C153 B** | 0.099 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-169 | ND | | 0.049 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-170** | **6.0** | **B** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-171** | **2.2** | **C** | 0.099 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-172** | **1.1** | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-173** | **2.2** | **C171** | 0.099 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-174** | **7.2** | **B** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-175** | **0.30** | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-176** | **0.91** | | 0.049 | 0.00093 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-177** | **4.4** | **B** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-178** | **1.7** | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-179** | **3.3** | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-180** | **14** | **C B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-181** | **0.066** | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-182** | **0.091** | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-183** | **4.6** | **C B** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-184 | ND | | 0.049 | 0.00099 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-185** | **4.6** | **C183 B** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-186 | ND | | 0.049 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-187** | **9.2** | **B** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-188 | ND | | 0.049 | 0.00091 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-189** | **0.22** | | 0.049 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-190** | **1.3** | **B** | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-191** | **0.28** | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-192 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-193** | **14** | **C180 B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-194** | **3.3** | | 0.049 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-195** | **1.5** | | 0.049 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-196** | **1.8** | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-197** | **0.13** | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-198** | **3.7** | **C B** | 0.099 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-199** | **3.7** | **C198 B** | 0.099 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-200** | **0.49** | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-201** | **0.48** | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-202** | **0.75** | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-203** | **2.3** | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| PCB-204 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-205** | **0.17** | | 0.049 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-206** | **1.7** | | 0.049 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-207** | **0.18** | | 0.049 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-208** | **0.40** | | 0.049 | 0.0064 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **PCB-209** | **1.4** | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Monochlorobiphenyls** | **0.17** | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Dichlorobiphenyls** | **1.4** | **q B** | 0.099 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Trichlorobiphenyls** | **10** | **q** | 0.099 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Tetrachlorobiphenyls** | **57** | **q B** | 0.20 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total Pentachlorobiphenyls** | **150** | **q B** | 0.30 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Hexachlorobiphenyls** | **120** | **q B** | 0.20 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Heptachlorobiphenyls** | **57** | **B** | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Octachlorobiphenyls** | **15** | **B** | 0.099 | 0.0046 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Total Nonachlorobiphenyls** | **2.3** | | 0.049 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |
| **Polychlorinated biphenyls, Total** | **410** | **q B** | 0.30 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 18:47 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *53* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-3L* | *58* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-4L* | *65* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-15L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-19L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-37L* | *88* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-54L* | *69* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-77L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-81L* | *85* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-104L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-105L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-114L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-118L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-123L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-126L* | *85* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-155L* | *102* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-156L* | *76* | *C* | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-157L* | *76* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-167L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-169L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-170L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-188L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-189L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-202L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-205L* | *72* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-206L* | *69* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-208L* | *76* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-209L* | *70* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *80* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-111L* | *91* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |
| *PCB-178L* | *90* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 18:47* | *5* |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.097** | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-2** | **0.015** | **J** | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-3** | **0.071** | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-4** | **0.19** | | 0.099 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-5** | **0.0076** | **J q** | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-6** | **0.15** | | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-7** | **0.028** | **J** | 0.049 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
## Lab Sample ID: 580-88908-30

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-8 | 0.58 | | 0.099 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-9 | 0.035 | J | 0.049 | 0.0025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-10 | 0.0096 | J q | 0.049 | 0.0024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-11 | 0.0098 | J q B | 0.099 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-12 | 0.060 | J C | 0.099 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-13 | 0.060 | J C12 | 0.099 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-14 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-15 | 0.23 | | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-16 | 0.57 | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-17 | 0.84 | B | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-18 | 1.2 | C B | 0.099 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-19 | 0.11 | | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-20 | 2.0 | C B | 0.099 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-21 | 0.82 | C B | 0.099 | 0.0060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-22 | 0.36 | B | 0.049 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-23 | ND | | 0.049 | 0.0065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-24 | 0.015 | J | 0.049 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-25 | 0.18 | | 0.049 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-26 | 0.27 | C B | 0.099 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-27 | 0.10 | | 0.049 | 0.00093 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-28 | 2.0 | C20 B | 0.099 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-29 | 0.27 | C26 B | 0.099 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-30 | 1.2 | C18 B | 0.099 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-31 | 1.4 | B | 0.099 | 0.0060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-32 | 0.48 | | 0.049 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-33 | 0.82 | C21 B | 0.099 | 0.0060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-34 | 0.033 | J | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-35 | 0.022 | J | 0.049 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-36 | ND | | 0.049 | 0.0062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-37 | 0.55 | B | 0.049 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-38 | ND | | 0.049 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-39 | 0.037 | J | 0.049 | 0.0059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-40 | 2.3 | C | 0.15 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-41 | 2.3 | C40 | 0.15 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-42 | 1.5 | | 0.049 | 0.0072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-43 | 0.15 | C | 0.099 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-44 | 7.1 | C B | 0.15 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-45 | 0.71 | C B | 0.099 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-46 | 0.21 | | 0.049 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-47 | 7.1 | C44 B | 0.15 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-48 | 0.66 | | 0.049 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-49 | 5.6 | C B | 0.099 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-50 | 0.63 | C | 0.099 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-51 | 0.71 | C45 B | 0.099 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-52 | 13 | B | 0.049 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-53 | 0.63 | C50 | 0.099 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-54 | 0.022 | J | 0.049 | 0.00027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-55 | ND | | 0.049 | 0.0048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-56 | 1.8 | | 0.049 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-57 | ND | | 0.049 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-58** | **0.058** | | 0.049 | 0.0047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-59** | **0.36** | **C** | 0.15 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-60** | **0.26** | | 0.049 | 0.0047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-61** | **12** | **C B** | 0.20 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-62** | **0.36** | **C59** | 0.15 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-63** | **0.18** | | 0.049 | 0.0043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-64** | **2.0** | | 0.049 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-65** | **7.1** | **C44 B** | 0.15 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-66** | **6.4** | **B** | 0.049 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-67** | **0.10** | | 0.049 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-68** | **0.21** | **B** | 0.049 | 0.0042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-69** | **5.6** | **C49 B** | 0.099 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-70** | **12** | **C61 B** | 0.20 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-71** | **2.3** | **C40** | 0.15 | 0.0068 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-72** | **0.38** | | 0.049 | 0.0048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-73** | **0.15** | **C43** | 0.099 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-74** | **12** | **C61 B** | 0.20 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-75** | **0.36** | **C59** | 0.15 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-76** | **12** | **C61 B** | 0.20 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-77** | **0.26** | | 0.049 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-78 | ND | | 0.049 | 0.0048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-79** | **0.22** | | 0.049 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-80 | ND | | 0.049 | 0.0043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-81** | **0.0055** | **J q** | 0.049 | 0.0051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-82** | **1.6** | **B** | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-83** | **15** | **C B** | 0.099 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-84** | **5.4** | **B** | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-85** | **2.5** | **C** | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-86** | **12** | **C B** | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-87** | **12** | **C86 B** | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-88** | **3.9** | **C B** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-89 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-90** | **23** | **C B** | 0.15 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-91** | **3.9** | **C88 B** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-92** | **5.7** | **B** | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-93** | **0.48** | **C** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-94 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-95** | **17** | **B** | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-96** | **0.13** | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-97** | **12** | **C86 B** | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-98** | **0.65** | **C** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-99** | **15** | **C83 B** | 0.099 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-100** | **0.48** | **C93** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-101** | **23** | **C90 B** | 0.15 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-102** | **0.65** | **C98** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-103** | **0.74** | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-104 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-105** | **4.5** | **B** | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-106 | ND | | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-107** | **1.5** | **B** | 0.049 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-108** | **0.55** | **C** | 0.099 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-109** | **12** | **C86 B** | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-110** | **21** | **C B** | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-111 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-112 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-113** | **23** | **C90 B** | 0.15 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-114** | **0.25** | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-115** | **21** | **C110 B** | 0.099 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-116** | **2.5** | **C85** | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-117** | **2.5** | **C85** | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-118** | **15** | **B** | 0.049 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-119** | **12** | **C86 B** | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-120** | **0.24** | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-121 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-122** | **0.18** | **B** | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-123** | **0.18** | | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-124** | **0.55** | **C108** | 0.099 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-125** | **12** | **C86 B** | 0.30 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-126** | **0.019** | **J** | 0.049 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-127 | ND | | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-128** | **3.5** | **C B** | 0.099 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-129** | **23** | **C B** | 0.20 | 0.0050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-130** | **1.9** | **B** | 0.049 | 0.0066 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-131** | **0.31** | | 0.049 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-132** | **8.6** | **B** | 0.049 | 0.0062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-133** | **0.79** | | 0.049 | 0.0060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-134** | **1.3** | **C** | 0.099 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-135** | **11** | **C B** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-136** | **4.3** | **B** | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-137** | **0.87** | | 0.049 | 0.0052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-138** | **23** | **C129 B** | 0.20 | 0.0050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-139** | **0.60** | **C** | 0.099 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-140** | **0.60** | **C139** | 0.099 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-141** | **4.0** | **B** | 0.049 | 0.0057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-142 | ND | | 0.049 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-143** | **1.3** | **C134** | 0.099 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-144** | **1.1** | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-145** | **0.011** | **J q** | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-146** | **6.5** | **B** | 0.049 | 0.0054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-147** | **22** | **C B** | 0.099 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-148** | **0.24** | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-149** | **22** | **C147 B** | 0.099 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-150** | **0.20** | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-151** | **11** | **C135 B** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-152** | **0.023** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-153** | **24** | **C B** | 0.099 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-154** | **1.4** | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-155 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-156** | **2.5** | **C B** | 0.099 | 0.0052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-157** | **2.5** | **C156 B** | 0.099 | 0.0052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-158** | **2.2** | **B** | 0.049 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-159** | **0.28** | | 0.049 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-160** | **23** | **C129 B** | 0.20 | 0.0050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-161 | ND | | 0.049 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-162 | ND | | 0.049 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-163** | **23** | **C129 B** | 0.20 | 0.0050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-164** | **1.9** | **B** | 0.049 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-165 | ND | | 0.049 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-166** | **3.5** | **C128 B** | 0.099 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-167** | **0.77** | **B** | 0.049 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-168** | **24** | **C153 B** | 0.099 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-169 | ND | | 0.049 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-170** | **7.5** | **B** | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-171** | **2.5** | **C B** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-172** | **1.3** | **B** | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-173** | **2.5** | **C171 B** | 0.099 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-174** | **8.5** | **B** | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-175** | **0.36** | | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-176** | **1.1** | **B** | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-177** | **5.4** | **B** | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-178** | **2.0** | **B** | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-179** | **3.8** | **B** | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-180** | **16** | **C B** | 0.099 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-181** | **0.079** | | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-182** | **0.11** | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-183** | **5.5** | **C B** | 0.099 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-184 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-185** | **5.5** | **C183 B** | 0.099 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-186 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-187** | **11** | **B** | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-188 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-189** | **0.28** | **B** | 0.049 | 0.0048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-190** | **1.5** | **B** | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-191** | **0.35** | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| PCB-192 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-193** | **16** | **C180 B** | 0.099 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-194** | **4.0** | **B** | 0.049 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-195** | **1.3** | **B** | 0.049 | 0.0065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-196** | **2.0** | **B** | 0.049 | 0.0032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-197** | **0.14** | **B** | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-198** | **4.2** | **C B** | 0.099 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-199** | **4.2** | **C198 B** | 0.099 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-200** | **0.54** | | 0.049 | 0.0025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-201** | **0.52** | **B** | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-202** | **0.78** | **B** | 0.049 | 0.0026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-203** | **2.6** | | 0.049 | 0.0030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |

## Client Sample ID: J5-SC1b-60to70-82719
## Lab Sample ID: 580-88908-30

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-204 | ND | | 0.049 | 0.0025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-205** | **0.21** | | 0.049 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-206** | **2.6** | **q** | 0.049 | 0.0074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-207** | **0.17** | | 0.049 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-208** | **0.43** | | 0.049 | 0.0059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **PCB-209** | **1.6** | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Monochlorobiphenyls** | **0.18** | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Dichlorobiphenyls** | **1.3** | **q B** | 0.099 | 0.0024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Trichlorobiphenyls** | **9.0** | **B** | 0.099 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Tetrachlorobiphenyls** | **56** | **q B** | 0.20 | 0.0052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Pentachlorobiphenyls** | **130** | **B** | 0.30 | 0.0054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Hexachlorobiphenyls** | **120** | **q B** | 0.20 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Heptachlorobiphenyls** | **67** | **B** | 0.099 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Octachlorobiphenyls** | **16** | **B** | 0.099 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Total Nonachlorobiphenyls** | **3.2** | **q** | 0.049 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |
| **Polychlorinated biphenyls, Total** | **410** | **q B** | 0.30 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 05:07 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *55* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-3L* | *58* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-4L* | *60* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-15L* | *86* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-19L* | *70* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-37L* | *118* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-54L* | *69* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-77L* | *99* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-81L* | *89* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-104L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-105L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-114L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-118L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-123L* | *85* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-126L* | *96* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-155L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-156L* | *81* | *C* | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-157L* | *81* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-167L* | *85* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-169L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-170L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-188L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-189L* | *52* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-202L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-205L* | *76* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-206L* | *72* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-208L* | *71* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-209L* | *70* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *82* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |
| *PCB-111L* | *90* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**

**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-178L* | *95* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 05:07* | *5* |

## Client Sample ID: J5-SC1b-70to80-82719
**Lab Sample ID: 580-88908-31**

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | **34.9** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| **Percent Solids** | **65.1** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-70to80-82719
**Lab Sample ID: 580-88908-31**

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.036** | **J** | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-2** | **0.0079** | **J** | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-3** | **0.020** | **J** | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-4** | **0.068** | **J** | 0.098 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-5 | ND | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-6** | **0.064** | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-7** | **0.010** | **J** | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-8** | **0.17** | | 0.098 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-9** | **0.011** | **J** | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-10 | ND | | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-11** | **0.016** | **J q B** | 0.098 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-12** | **0.029** | **J C** | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-13** | **0.029** | **J C12** | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-14 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-15** | **0.068** | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-16** | **0.17** | | 0.049 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-17** | **0.27** | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-18** | **0.43** | **C** | 0.098 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-19** | **0.038** | **J** | 0.049 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-20** | **0.79** | **C** | 0.098 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-21** | **0.33** | **C** | 0.098 | 0.0052 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-22** | **0.14** | | 0.049 | 0.0057 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-23 | ND | | 0.049 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-24** | **0.0037** | **J** | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-25** | **0.15** | | 0.049 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-26** | **0.23** | **C** | 0.098 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-27** | **0.034** | **J** | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-28** | **0.79** | **C20** | 0.098 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-29** | **0.23** | **C26** | 0.098 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-30** | **0.43** | **C18** | 0.098 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-31** | **0.58** | | 0.098 | 0.0052 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-32** | **0.16** | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| **PCB-33** | **0.33** | **C21** | 0.098 | 0.0052 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |

## Client Sample ID: J5-SC1b-70to80-82719
**Lab Sample ID: 580-88908-31**

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-34 | 0.014 | J | 0.049 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-35 | 0.033 | J | 0.049 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-36 | 0.013 | J | 0.049 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-37 | 0.15 | | 0.049 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-38 | ND | | 0.049 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-39 | 0.030 | J | 0.049 | 0.0051 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-40 | 0.94 | C | 0.15 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-41 | 0.94 | C40 | 0.15 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-42 | 0.59 | | 0.049 | 0.049 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-43 | 0.080 | J C | 0.098 | 0.043 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-44 | 4.0 | C B | 0.15 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-45 | 0.22 | C B | 0.098 | 0.048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-46 | 0.074 | G | 0.056 | 0.056 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-47 | 4.0 | C44 B | 0.15 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-48 | 0.16 | | 0.049 | 0.045 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-49 | 4.0 | C B | 0.098 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-50 | 0.24 | C | 0.098 | 0.046 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-51 | 0.22 | C45 B | 0.098 | 0.048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-52 | 7.7 | B | 0.049 | 0.048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-53 | 0.24 | C50 | 0.098 | 0.046 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-54 | 0.0062 | J | 0.049 | 0.00086 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-55 | ND | | 0.049 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-56 | 0.67 | | 0.049 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-57 | ND | | 0.049 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-58 | ND | | 0.049 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-59 | 0.12 | J C | 0.15 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-60 | 0.12 | | 0.049 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-61 | 5.5 | C B | 0.20 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-62 | 0.12 | J C59 | 0.15 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-63 | 0.072 | | 0.049 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-64 | 0.71 | | 0.049 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-65 | 4.0 | C44 B | 0.15 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-66 | 2.7 | | 0.049 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-67 | 0.039 | J | 0.049 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-68 | 0.38 | | 0.049 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-69 | 4.0 | C49 B | 0.098 | 0.038 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-70 | 5.5 | C61 B | 0.20 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-71 | 0.94 | C40 | 0.15 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-72 | 0.39 | | 0.049 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-73 | 0.080 | J C43 | 0.098 | 0.043 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-74 | 5.5 | C61 B | 0.20 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-75 | 0.12 | J C59 | 0.15 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-76 | 5.5 | C61 B | 0.20 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-77 | 0.083 | | 0.049 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-78 | ND | | 0.049 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-79 | 0.30 | | 0.049 | 0.028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-80 | ND | | 0.049 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-81 | ND | | 0.049 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-82 | 0.98 | | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |

## Client Sample ID: J5-SC1b-70to80-82719
**Lab Sample ID: 580-88908-31**

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-83 | 12 | C | 0.098 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-84 | 2.8 | B | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-85 | 1.4 | C B | 0.15 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-86 | 6.9 | C | 0.29 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-87 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-88 | 2.8 | C | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-89 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-90 | 17 | C B | 0.15 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-91 | 2.8 | C88 | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-92 | 4.8 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-93 | 0.63 | C | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-94 | 0.054 | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-95 | 12 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-96 | 0.068 | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-97 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-98 | 0.41 | C | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-99 | 12 | C83 | 0.098 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-100 | 0.63 | C93 | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-101 | 17 | C90 B | 0.15 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-102 | 0.41 | C98 | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-103 | 0.77 | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-104 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-105 | 2.6 | | 0.049 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-106 | ND | | 0.049 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-107 | 1.1 | | 0.049 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-108 | 0.30 | C | 0.098 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-109 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-110 | 13 | C | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-111 | 0.13 | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-112 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-113 | 17 | C90 B | 0.15 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-114 | 0.13 | | 0.049 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-115 | 13 | C110 | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-116 | 1.4 | C85 B | 0.15 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-117 | 1.4 | C85 B | 0.15 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-118 | 8.6 | B | 0.049 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-119 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-120 | 0.37 | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-121 | 0.073 | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-122 | 0.10 | | 0.049 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-123 | 0.10 | | 0.049 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-124 | 0.30 | C108 | 0.098 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-125 | 6.9 | C86 | 0.29 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-126 | ND | | 0.049 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-127 | ND | | 0.049 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-128 | 1.7 | C B | 0.098 | 0.0074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-129 | 16 | C B | 0.20 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-130 | 1.2 | | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-131 | 0.18 | | 0.049 | 0.0096 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |

## Client Sample ID: J5-SC1b-70to80-82719
## Lab Sample ID: 580-88908-31

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | 5.4 | | 0.049 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-133 | 1.1 | | 0.049 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-134 | 1.0 | C | 0.098 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-135 | 10 | C B | 0.098 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-136 | 3.4 | B | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-137 | 0.45 | | 0.049 | 0.0078 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-138 | 16 | C129 B | 0.20 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-139 | 0.62 | C | 0.098 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-140 | 0.62 | C139 | 0.098 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-141 | 2.6 | | 0.049 | 0.0086 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-142 | ND | | 0.049 | 0.0096 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-143 | 1.0 | C134 | 0.098 | 0.0097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-144 | 0.71 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-145 | 0.0087 | J | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-146 | 8.0 | B | 0.049 | 0.0082 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-147 | 20 | C B | 0.098 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-148 | 0.47 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-149 | 20 | C147 B | 0.098 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-150 | 0.34 | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-151 | 10 | C135 B | 0.098 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-152 | 0.0088 | J | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-153 | 19 | C B | 0.098 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-154 | 2.1 | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-155 | 0.019 | J | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-156 | 1.5 | C | 0.098 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-157 | 1.5 | C156 | 0.098 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-158 | 1.2 | | 0.049 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-159 | 0.23 | | 0.049 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-160 | 16 | C129 B | 0.20 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-161 | ND | | 0.049 | 0.0062 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-162 | 0.048 | J | 0.049 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-163 | 16 | C129 B | 0.20 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-164 | 1.3 | | 0.049 | 0.0066 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-165 | 0.084 | | 0.049 | 0.0074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-166 | 1.7 | C128 B | 0.098 | 0.0074 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-167 | 0.47 | | 0.049 | 0.0051 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-168 | 19 | C153 B | 0.098 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-169 | 0.037 | J | 0.049 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-170 | 5.5 | B | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-171 | 1.9 | C | 0.098 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-172 | 0.99 | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-173 | 1.9 | C171 | 0.098 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-174 | 6.1 | B | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-175 | 0.25 | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-176 | 0.78 | | 0.049 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-177 | 4.6 | B | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-178 | 2.0 | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-179 | 3.4 | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-180 | 13 | C B | 0.098 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |

## Client Sample ID: J5-SC1b-70to80-82719
## Lab Sample ID: 580-88908-31

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-181 | 0.055 | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-182 | 0.12 | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-183 | 4.0 | C B | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-184 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-185 | 4.0 | C183 B | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-186 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-187 | 10 | B | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-188 | 0.069 | | 0.049 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-189 | 0.21 | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-190 | 1.2 | B | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-191 | 0.24 | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-192 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-193 | 13 | C180 B | 0.098 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-194 | 3.1 | | 0.049 | 0.0048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-195 | 1.4 | | 0.049 | 0.0057 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-196 | 1.6 | | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-197 | 0.11 | q | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-198 | 3.2 | C B | 0.098 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-199 | 3.2 | C198 B | 0.098 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-200 | 0.40 | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-201 | 0.42 | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-202 | 0.68 | | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-203 | 1.9 | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-204 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-205 | 0.16 | | 0.049 | 0.0036 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-206 | 2.1 | | 0.049 | 0.0099 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-207 | 0.19 | | 0.049 | 0.0069 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-208 | 0.58 | | 0.049 | 0.0070 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| PCB-209 | 2.2 | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Monochlorobiphenyls | 0.064 | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Dichlorobiphenyls | 0.44 | q B | 0.098 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Trichlorobiphenyls | 3.6 | q | 0.098 | 0.0043 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Tetrachlorobiphenyls | 29 | q B | 0.20 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Pentachlorobiphenyls | 89 | B | 0.29 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Hexachlorobiphenyls | 99 | q B | 0.20 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Heptachlorobiphenyls | 54 | B | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Octachlorobiphenyls | 13 | q B | 0.098 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Total Nonachlorobiphenyls | 2.9 | | 0.049 | 0.0079 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |
| Polychlorinated biphenyls, Total | 290 | q B | 0.29 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 19:49 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *50* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-3L* | *62* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-4L* | *64* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-15L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-19L* | *57* | *q* | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-37L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-54L* | *71* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-77L* | *95* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-81L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |

## Client Sample ID: J5-SC1b-70to80-82719
## Lab Sample ID: 580-88908-31

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-104L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-105L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-114L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-118L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-123L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-126L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-155L* | *99* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-156L* | *84* | *C* | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-157L* | *84* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-167L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-169L* | *94* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-170L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-188L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-189L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-202L* | *93* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-205L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-206L* | *72* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-208L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-209L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *78* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-111L* | *89* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |
| *PCB-178L* | *87* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 19:49* | *5* |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.033** | | 0.0098 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-2** | **0.0075** | **J** | 0.0098 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-3** | **0.020** | | 0.0098 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-4** | **0.095** | | 0.020 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-5** | **0.0019** | **J q** | 0.0098 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-6** | **0.081** | | 0.0098 | 0.00087 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-7** | **0.0094** | **J q** | 0.0098 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-8** | **0.24** | | 0.020 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-9** | **0.017** | | 0.0098 | 0.00095 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-10** | **0.0032** | **J q** | 0.0098 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-11** | **0.012** | **J B** | 0.020 | 0.00082 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-12** | **0.028** | **C** | 0.020 | 0.00082 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-13** | **0.028** | **C12** | 0.020 | 0.00082 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-14** | **0.00090** | **J q** | 0.0098 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-15** | **0.086** | | 0.0098 | 0.00089 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-16** | **0.23** | | 0.0098 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-17** | **0.28** | **B** | 0.0098 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-18** | **0.51** | **C B** | 0.020 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-19** | **0.056** | | 0.0098 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-20** | **0.95** | **C B** | 0.020 | 0.0057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-21** | **0.43** | **C B** | 0.020 | 0.0054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| **PCB-22** | **0.19** | **B** | 0.0098 | 0.0060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-23 | ND | | 0.0098 | 0.0058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |

## Client Sample ID: J5-SC1b-70to80-82719
## Lab Sample ID: 580-88908-31

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-24 | 0.0030 | J q | 0.0098 | 0.00030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-25 | 0.17 | | 0.0098 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-26 | 0.26 | C B | 0.020 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-27 | 0.038 | | 0.0098 | 0.00029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-28 | 0.95 | B C20 | 0.020 | 0.0057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-29 | 0.26 | C26 B | 0.020 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-30 | 0.51 | C18 B | 0.020 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-31 | 0.74 | B | 0.020 | 0.0054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-32 | 0.20 | | 0.0098 | 0.00027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-33 | 0.43 | B C21 | 0.020 | 0.0054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-34 | 0.016 | | 0.0098 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-35 | 0.036 | | 0.0098 | 0.0061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-36 | 0.012 | | 0.0098 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-37 | 0.20 | B | 0.0098 | 0.0058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-38 | ND | | 0.0098 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-39 | 0.031 | | 0.0098 | 0.0053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-40 | 1.2 | C G | 0.058 | 0.058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-41 | 1.2 | G C40 | 0.058 | 0.058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-42 | 0.73 | G | 0.062 | 0.062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-43 | 0.11 | C G | 0.053 | 0.053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-44 | 5.7 | C B G | 0.052 | 0.052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-45 | 0.21 | C B q G | 0.060 | 0.060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-46 | ND | G | 0.070 | 0.070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-47 | 5.7 | B C44 G | 0.052 | 0.052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-48 | 0.24 | G | 0.056 | 0.056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-49 | 4.4 | C B G | 0.047 | 0.047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-50 | 0.37 | C G | 0.057 | 0.057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-51 | 0.21 | C45 B q G | 0.060 | 0.060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-52 | 11 | B G | 0.059 | 0.059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-53 | 0.37 | C50 G | 0.057 | 0.057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-54 | 0.011 | q | 0.0098 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-55 | ND | G | 0.041 | 0.041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-56 | 0.95 | G | 0.042 | 0.042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-57 | ND | G | 0.042 | 0.042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-58 | ND | G | 0.040 | 0.040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-59 | 0.15 | C G | 0.039 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-60 | 0.23 | G | 0.040 | 0.040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-61 | 8.0 | C B | 0.039 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-62 | 0.15 | C59 G | 0.039 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-63 | 0.096 | G | 0.036 | 0.036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-64 | 1.0 | G | 0.038 | 0.038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-65 | 5.7 | B C44 G | 0.052 | 0.052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-66 | 3.2 | B G | 0.042 | 0.042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-67 | ND | G | 0.038 | 0.038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-68 | 0.42 | B G | 0.036 | 0.036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-69 | 4.4 | B C49 G | 0.047 | 0.047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-70 | 8.0 | C61 B | 0.039 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-71 | 1.2 | G C40 | 0.058 | 0.058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-72 | 0.40 | G | 0.041 | 0.041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |

## Client Sample ID: J5-SC1b-70to80-82719
## Lab Sample ID: 580-88908-31

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-73 | 0.11 | C43 G | 0.053 | 0.053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-74 | 8.0 | C61 B | 0.039 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-75 | 0.15 | C59 G | 0.039 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-76 | 8.0 | C61 B | 0.039 | 0.039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-77 | 0.13 | G | 0.038 | 0.038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-78 | ND | G | 0.041 | 0.041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-79 | 0.24 | G | 0.035 | 0.035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-80 | ND | G | 0.036 | 0.036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-81 | ND | G | 0.042 | 0.042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-82 | 1.5 | B | 0.0098 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-83 | 13 | C B | 0.020 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-84 | 4.4 | B | 0.0098 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-85 | 2.0 | C | 0.029 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-86 | 9.7 | C B | 0.059 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-87 | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-88 | 3.6 | C B | 0.020 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-89 | 0.10 | | 0.0098 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-90 | 21 | C B | 0.029 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-91 | 3.6 | C88 B | 0.020 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-92 | 5.7 | B | 0.0098 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-93 | 0.67 | C | 0.020 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-94 | 0.10 | | 0.0098 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-95 | 16 | B | 0.0098 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-96 | 0.11 | | 0.0098 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-97 | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-98 | 0.57 | C | 0.020 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-99 | 13 | C83 B | 0.020 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-100 | 0.67 | C93 | 0.020 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-101 | 21 | B C90 | 0.029 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-102 | 0.57 | C98 | 0.020 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-103 | 0.80 | | 0.0098 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-104 | ND | | 0.0098 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-105 | 4.3 | B G | 0.011 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-106 | ND | G | 0.012 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-107 | 1.4 | B G | 0.011 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-108 | 0.52 | C | 0.020 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-109 | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-110 | 15 | C B | 0.020 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-111 | 0.10 | | 0.0098 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-112 | ND | | 0.0098 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-113 | 21 | B C90 | 0.029 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-114 | 0.24 | G | 0.011 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-115 | 15 | B C110 | 0.020 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-116 | 2.0 | C85 | 0.029 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-117 | 2.0 | C85 | 0.029 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-118 | 12 | B G | 0.011 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-119 | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-120 | 0.26 | | 0.0098 | 0.00031 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-121 | ND | | 0.0098 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |

## Client Sample ID: J5-SC1b-70to80-82719
## Lab Sample ID: 580-88908-31

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-122 | 0.15 | B G | 0.013 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-123 | 0.17 | G | 0.011 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-124 | 0.52 | C108 | 0.020 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-125 | 9.7 | B C86 | 0.059 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-126 | 0.015 | G | 0.011 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-127 | ND | G | 0.012 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-128 | 2.8 | C B | 0.020 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-129 | 20 | C B | 0.039 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-130 | 1.4 | B | 0.0098 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-131 | 0.27 | | 0.0098 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-132 | 6.9 | B | 0.0098 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-133 | 1.1 | | 0.0098 | 0.0042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-134 | 1.4 | C | 0.020 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-135 | 9.6 | C B | 0.020 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-136 | 3.8 | B | 0.0098 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-137 | 0.64 | | 0.0098 | 0.0036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-138 | 20 | B C129 | 0.039 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-139 | 0.68 | C | 0.020 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-140 | 0.68 | C139 | 0.020 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-141 | 3.4 | B | 0.0098 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-142 | ND | | 0.0098 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-143 | 1.4 | C134 | 0.020 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-144 | 0.64 | | 0.0098 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-145 | 0.0053 | J q | 0.0098 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-146 | 6.9 | B | 0.0098 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-147 | 22 | C B | 0.020 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-148 | 0.41 | | 0.0098 | 0.00058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-149 | 22 | B C147 | 0.020 | 0.0039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-150 | 0.32 | | 0.0098 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-151 | 9.6 | C135 B | 0.020 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-152 | 0.021 | | 0.0098 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-153 | 20 | C B | 0.020 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-154 | 1.6 | | 0.0098 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-155 | 0.018 | | 0.0098 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-156 | 2.1 | C B | 0.020 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-157 | 2.1 | C156 B | 0.020 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-158 | 1.8 | B | 0.0098 | 0.0028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-159 | 0.19 | | 0.0098 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-160 | 20 | B C129 | 0.039 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-161 | ND | | 0.0098 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-162 | ND | | 0.0098 | 0.0028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-163 | 20 | B C129 | 0.039 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-164 | 1.4 | B | 0.0098 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-165 | ND | | 0.0098 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-166 | 2.8 | C128 B | 0.020 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-167 | 0.65 | B | 0.0098 | 0.0025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-168 | 20 | B C153 | 0.020 | 0.0031 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-169 | ND | | 0.0098 | 0.0028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-170 | 5.7 | B | 0.0098 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |

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## Lab Sample ID: 580-88908-31

**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-171 | 2.0 | C B | 0.020 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-172 | 1.1 | B | 0.0098 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-173 | 2.0 | C171 B | 0.020 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-174 | 6.6 | B | 0.0098 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-175 | 0.28 | | 0.0098 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-176 | 0.83 | B | 0.0098 | 0.00030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-177 | 4.8 | B | 0.0098 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-178 | 1.9 | B | 0.0098 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-179 | 3.6 | B | 0.0098 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-180 | 13 | C B | 0.020 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-181 | 0.063 | | 0.0098 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-182 | 0.11 | | 0.0098 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-183 | 4.3 | C B | 0.020 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-184 | ND | | 0.0098 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-185 | 4.3 | B C183 | 0.020 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-186 | ND | | 0.0098 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-187 | 9.0 | B | 0.0098 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-188 | 0.063 | | 0.0098 | 0.00031 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-189 | 0.21 | B | 0.0098 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-190 | 1.2 | B | 0.0098 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-191 | 0.26 | | 0.0098 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-192 | ND | | 0.0098 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-193 | 13 | C180 B | 0.020 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-194 | 3.1 | B | 0.0098 | 0.0060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-195 | 1.5 | B | 0.0098 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-196 | 1.8 | B | 0.0098 | 0.00089 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-197 | 0.12 | B | 0.0098 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-198 | 3.5 | C B | 0.020 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-199 | 3.5 | C198 B | 0.020 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-200 | 0.42 | | 0.0098 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-201 | 0.45 | B | 0.0098 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-202 | 0.72 | B | 0.0098 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-203 | 2.2 | | 0.0098 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-204 | ND | | 0.0098 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-205 | 0.16 | | 0.0098 | 0.0045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-206 | 2.0 | | 0.0098 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-207 | 0.20 | | 0.0098 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-208 | 0.59 | | 0.0098 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-209 | 2.2 | | 0.0098 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Monochlorobiphenyls | 0.061 | | 0.0098 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Dichlorobiphenyls | 0.57 | B q | 0.020 | 0.00088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Trichlorobiphenyls | 4.4 | B q | 0.020 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Tetrachlorobiphenyls | 39 | B q G | 0.044 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Pentachlorobiphenyls | 110 | B | 0.059 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Hexachlorobiphenyls | 110 | B q | 0.039 | 0.0027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Heptachlorobiphenyls | 55 | B | 0.020 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Octachlorobiphenyls | 14 | B | 0.020 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Total Nonachlorobiphenyls | 2.8 | | 0.0098 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| Polychlorinated biphenyls, Total | 340 | B q | 0.059 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 06:10 | 1 |

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## Lab Sample ID: 580-88908-31

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**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-1L | 71 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-3L | 72 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-4L | 68 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-15L | 67 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-19L | 70 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-37L | 91 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-54L | 73 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-77L | 85 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-81L | 79 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-104L | 94 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-105L | 88 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-114L | 86 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-118L | 90 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-123L | 90 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-126L | 100 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-155L | 96 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-156L | 86 | C | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-157L | 86 | C156 | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-167L | 86 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-169L | 94 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-170L | 85 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-188L | 77 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-189L | 105 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-202L | 83 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-205L | 81 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-206L | 78 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-208L | 84 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-209L | 69 | | 30 - 140 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 81 | | 40 - 125 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-111L | 90 | | 40 - 125 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |
| PCB-178L | 86 | | 40 - 125 | 10/03/19 11:21 | 10/10/19 06:10 | 1 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Percent Moisture | 29.9 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| Percent Solids | 70.1 | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

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**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.0032 | J q | 0.049 | 0.00080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-2 | ND | | 0.049 | 0.00091 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-3 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |

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**Matrix: Solid**
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**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | ND | | 0.098 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-5 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-6 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-7 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-8** | **0.0029** | **J q** | 0.098 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-9 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-10 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-11** | **0.0063** | **J B** | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-12 | ND | C | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-13 | ND | C12 | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-14 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-15 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-16** | **0.0079** | **J** | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-17** | **0.0032** | **J q** | 0.049 | 0.00080 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-18** | **0.0062** | **J q C** | 0.098 | 0.00068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-19 | ND | | 0.049 | 0.00095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-20** | **0.012** | **J C** | 0.098 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-21** | **0.0045** | **J q C** | 0.098 | 0.00097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-22** | **0.0025** | **J** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-23 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-24 | ND | | 0.049 | 0.00059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-25** | **0.0033** | **J** | 0.049 | 0.00099 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-26** | **0.0020** | **J q C** | 0.098 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-27 | ND | | 0.049 | 0.00057 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-28** | **0.012** | **J C20** | 0.098 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-29** | **0.0020** | **J q C26** | 0.098 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-30** | **0.0062** | **J q C18** | 0.098 | 0.00068 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-31** | **0.0082** | **J** | 0.098 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-32** | **0.0031** | **J q** | 0.049 | 0.00053 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-33** | **0.0045** | **J q C21** | 0.098 | 0.00097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-34 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-35 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-36 | ND | | 0.049 | 0.00099 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-37** | **0.0021** | **J q** | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-38 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-39 | ND | | 0.049 | 0.00095 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-40** | **0.014** | **J C** | 0.15 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-41** | **0.014** | **J C40** | 0.15 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-42** | **0.0072** | **J q** | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-43 | ND | C | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-44** | **0.045** | **J C B** | 0.15 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-45 | ND | C | 0.098 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-46 | ND | | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-47** | **0.045** | **J C44 B** | 0.15 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-48 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-49** | **0.045** | **J C B** | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-50 | ND | C | 0.098 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-51 | ND | C45 | 0.098 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-52** | **0.066** | **B** | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-53 | ND | C50 | 0.098 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-54 | ND | | 0.049 | 0.00071 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-55 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-56** | **0.0086** | **J** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-57 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-58 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-59 | ND | C | 0.15 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-60 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-61** | **0.053** | **J C B** | 0.20 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-62 | ND | C59 | 0.15 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-63 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-64** | **0.0081** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-65** | **0.045** | **J C44 B** | 0.15 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-66** | **0.029** | **J** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-67 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-68** | **0.0037** | **J q** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-69** | **0.045** | **J C49 B** | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-70** | **0.053** | **J C61 B** | 0.20 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-71** | **0.014** | **J C40** | 0.15 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-72** | **0.0055** | **J** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-73 | ND | C43 | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-74** | **0.053** | **J C61 B** | 0.20 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-75 | ND | C59 | 0.15 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-76** | **0.053** | **J C61 B** | 0.20 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-77 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-78 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-79 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-80 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-81 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-82 | ND | | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-83** | **0.10** | **C** | 0.098 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-84** | **0.022** | **J B** | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-85** | **0.0092** | **J C B** | 0.15 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-86** | **0.052** | **J C** | 0.29 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-87** | **0.052** | **J C86** | 0.29 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-88** | **0.027** | **J C** | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-89 | ND | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-90** | **0.13** | **J C B** | 0.15 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-91** | **0.027** | **J C88** | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-92** | **0.037** | **J** | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-93** | **0.0057** | **J q C** | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-94 | ND | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-95** | **0.10** | | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-96 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-97** | **0.052** | **J C86** | 0.29 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-98 | ND | C | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-99** | **0.10** | **C83** | 0.098 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-100** | **0.0057** | **J q C93** | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-101** | **0.13** | **J C90 B** | 0.15 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-102 | ND | C98 | 0.098 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-103** | **0.0080** | **J** | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-104 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-105** | **0.016** | **J** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-106 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-107** | **0.0094** | **J** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-108 | ND | C | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-109** | **0.052** | **J C86** | 0.29 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-110** | **0.11** | **C** | 0.098 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-111 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-112 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-113** | **0.13** | **J C90 B** | 0.15 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-114 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-115** | **0.11** | **C110** | 0.098 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-116** | **0.0092** | **J C85 B** | 0.15 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-117** | **0.0092** | **J C85 B** | 0.15 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-118** | **0.067** | **B** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-119** | **0.052** | **J C86** | 0.29 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-120** | **0.0035** | **J q** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-121 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-122 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-123 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-124 | ND | C108 | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-125** | **0.052** | **J C86** | 0.29 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-126 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-127 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-128** | **0.015** | **J q C B** | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-129** | **0.13** | **J C B** | 0.20 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-130** | **0.0090** | **J** | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-131 | ND | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-132** | **0.044** | **J** | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-133** | **0.0083** | **J** | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-134** | **0.0074** | **J q C** | 0.098 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-135** | **0.078** | **J C B** | 0.098 | 0.00081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-136** | **0.032** | **J B** | 0.049 | 0.00061 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-137** | **0.0028** | **J q** | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-138** | **0.13** | **J C129 B** | 0.20 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-139** | **0.0042** | **J q C** | 0.098 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-140** | **0.0042** | **J q C139** | 0.098 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-141** | **0.022** | **J** | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-142 | ND | | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-143** | **0.0074** | **J q C134** | 0.098 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-144** | **0.0069** | **J q** | 0.049 | 0.00077 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-145 | ND | | 0.049 | 0.00059 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-146** | **0.059** | **B** | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-147** | **0.17** | **C B** | 0.098 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-148 | ND | | 0.049 | 0.00079 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-149** | **0.17** | **C147 B** | 0.098 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-150** | **0.0032** | **J** | 0.049 | 0.00057 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-151** | **0.078** | **J C135 B** | 0.098 | 0.00081 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-152 | ND | | 0.049 | 0.00056 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-153** | **0.16** | **C B** | 0.098 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-154** | **0.015** | **J q** | 0.049 | 0.00069 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-155 | ND | | 0.049 | 0.00054 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-156** | **0.012** | **J q C** | 0.098 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-157** | **0.012** | **J q C156** | 0.098 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-158** | **0.012** | **J** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-159** | **0.0030** | **J** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-160** | **0.13** | **J C129 B** | 0.20 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-161 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-162 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-163** | **0.13** | **J C129 B** | 0.20 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-164** | **0.010** | **J** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-165 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-166** | **0.015** | **J q C128 B** | 0.098 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-167** | **0.0044** | **J q** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-168** | **0.16** | **C153 B** | 0.098 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-169 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-170** | **0.052** | **B** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-171** | **0.019** | **J q C** | 0.098 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-172** | **0.010** | **J q** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-173** | **0.019** | **J q C171** | 0.098 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-174** | **0.060** | **B** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-175 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-176** | **0.0070** | **J q** | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-177** | **0.043** | **J B** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-178** | **0.018** | **J** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-179** | **0.029** | **J** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-180** | **0.12** | **C B** | 0.098 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-181** | **0.0030** | **J q** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-182 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-183** | **0.038** | **J C B** | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-184 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-185** | **0.038** | **J C183 B** | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-186 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-187** | **0.087** | **B** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-188 | ND | | 0.049 | 0.00097 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-189 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-190** | **0.012** | **J q B** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-191 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-192 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-193** | **0.12** | **C180 B** | 0.098 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-194** | **0.025** | **J** | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-195** | **0.0073** | **J q** | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-196** | **0.017** | **J q** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-197 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-198** | **0.033** | **J q C B** | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-199** | **0.033** | **J q C198 B** | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-200** | **0.0059** | **J q** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-201 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-202** | **0.0075** | **J** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-203** | **0.020** | **J q** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-204 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-205 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-206** | **0.22** | **q** | 0.049 | 0.0058 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-207 | ND | | 0.049 | 0.0042 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| PCB-208 | ND | | 0.049 | 0.0045 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **PCB-209** | **0.028** | **J** | 0.049 | 0.00044 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Monochlorobiphenyls** | **0.0032** | **J** | 0.049 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Dichlorobiphenyls** | **0.0092** | **J B** | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Trichlorobiphenyls** | **0.055** | **J** | 0.098 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Tetrachlorobiphenyls** | **0.29** | **q B** | 0.20 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Pentachlorobiphenyls** | **0.70** | **q B** | 0.29 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Hexachlorobiphenyls** | **0.81** | **q B** | 0.20 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Heptachlorobiphenyls** | **0.50** | **q B** | 0.098 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Octachlorobiphenyls** | **0.12** | **B** | 0.098 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Total Nonachlorobiphenyls** | **0.22** | **q** | 0.049 | 0.0048 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |
| **Polychlorinated biphenyls, Total** | **2.7** | **q B** | 0.29 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/03/19 20:51 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *63* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-3L* | *64* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-4L* | *69* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-15L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-19L* | *72* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-37L* | *88* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-54L* | *70* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-77L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-81L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-104L* | *91* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-105L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-114L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-118L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-123L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-126L* | *88* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-155L* | *102* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-156L* | *86* | *C* | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-157L* | *86* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-167L* | *84* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-169L* | *99* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-170L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-188L* | *76* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-189L* | *85* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-202L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-205L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-206L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-208L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-209L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *80* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-111L* | *91* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |
| *PCB-178L* | *84* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 20:51* | *5* |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 0.0096 | 0.00014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-2** | **0.00083** | **J** | 0.0096 | 0.00014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-3** | **0.00092** | **J** | 0.0096 | 0.00015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-4** | **0.0016** | **J** | 0.019 | 0.00029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-5 | ND | | 0.0096 | 0.00019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-6** | **0.0017** | **J** | 0.0096 | 0.00019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-7 | ND | | 0.0096 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-8** | **0.0024** | **J q** | 0.019 | 0.00019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-9** | **0.00062** | **J q** | 0.0096 | 0.00021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-10 | ND | | 0.0096 | 0.00020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-11** | **0.0047** | **J B** | 0.019 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-12 | ND | C | 0.019 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-13 | ND | C12 | 0.019 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-14 | ND | | 0.0096 | 0.00016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-15** | **0.0015** | **J** | 0.0096 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-16** | **0.0035** | **J** | 0.0096 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-17** | **0.0040** | **J B** | 0.0096 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-18** | **0.0058** | **J C B** | 0.019 | 0.00024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-19** | **0.0011** | **J q** | 0.0096 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-20** | **0.011** | **J C B** | 0.019 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-21** | **0.0049** | **J C B** | 0.019 | 0.00024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-22** | **0.0021** | **J B** | 0.0096 | 0.00027 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-23 | ND | | 0.0096 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-24 | ND | | 0.0096 | 0.00021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-25** | **0.0023** | **J** | 0.0096 | 0.00025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-26** | **0.0036** | **J C B** | 0.019 | 0.00025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-27 | ND | | 0.0096 | 0.00020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-28** | **0.011** | **J B C20** | 0.019 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-29** | **0.0036** | **J C26 B** | 0.019 | 0.00025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-30** | **0.0058** | **J C18 B** | 0.019 | 0.00024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-31** | **0.0077** | **J B** | 0.019 | 0.00024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-32** | **0.0024** | **J q** | 0.0096 | 0.00019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-33** | **0.0049** | **J B C21** | 0.019 | 0.00024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-34 | ND | | 0.0096 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-35** | **0.00030** | **J q** | 0.0096 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-36 | ND | | 0.0096 | 0.00025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-37** | **0.0020** | **J B** | 0.0096 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-38 | ND | | 0.0096 | 0.00025 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-39** | **0.00042** | **J q** | 0.0096 | 0.00024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-40** | **0.012** | **J C** | 0.029 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-41** | **0.012** | **J C40** | 0.029 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-42** | **0.0087** | **J** | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-43 | ND | C | 0.019 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-44** | **0.044** | **C B** | 0.029 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-45 | ND | C | 0.019 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-46 | ND | | 0.0096 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-47** | **0.044** | **B C44** | 0.029 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-48** | **0.0025** | **J** | 0.0096 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-49** | **0.045** | **C B** | 0.019 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-50** | **0.0029** | **J C q** | 0.019 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-51 | ND | C45 | 0.019 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-52** | **0.072** | **B** | 0.0096 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-53** | **0.0029** | **J C50 q** | 0.019 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-54** | **0.00056** | **J q** | 0.0096 | 0.00012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-55 | ND | | 0.0096 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-56** | **0.0086** | **J** | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-57 | ND | | 0.0096 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-58** | **0.00069** | **J** | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-59** | **0.0019** | **J C** | 0.029 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-60 | ND | | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-61** | **0.053** | **C B** | 0.038 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-62** | **0.0019** | **J C59** | 0.029 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-63** | **0.00089** | **J** | 0.0096 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-64** | **0.0069** | **J q** | 0.0096 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-65** | **0.044** | **B C44** | 0.029 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-66** | **0.033** | **B** | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-67 | ND | | 0.0096 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-68** | **0.0040** | **J B** | 0.0096 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-69** | **0.045** | **B C49** | 0.019 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-70** | **0.053** | **C61 B** | 0.038 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-71** | **0.012** | **J C40** | 0.029 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-72** | **0.0038** | **J q** | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-73 | ND | C43 | 0.019 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-74** | **0.053** | **C61 B** | 0.038 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-75** | **0.0019** | **J C59** | 0.029 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-76** | **0.053** | **C61 B** | 0.038 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-77** | **0.0013** | **J q** | 0.0096 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-78 | ND | | 0.0096 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-79** | **0.0020** | **J** | 0.0096 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-80 | ND | | 0.0096 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-81 | ND | | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-82** | **0.0089** | **J B q** | 0.0096 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-83** | **0.11** | **C B** | 0.019 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-84** | **0.025** | **B** | 0.0096 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-85** | **0.012** | **J C** | 0.029 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-86** | **0.055** | **J C B** | 0.057 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-87** | **0.055** | **J B C86** | 0.057 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-88** | **0.029** | **C B** | 0.019 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-89 | ND | | 0.0096 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-90** | **0.15** | **C B** | 0.029 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-91** | **0.029** | **C88 B** | 0.019 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-92** | **0.041** | **B** | 0.0096 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-93** | **0.0051** | **J C** | 0.019 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-94 | ND | | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-95** | **0.11** | **B** | 0.0096 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-96** | **0.00075** | **J q** | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-97** | **0.055** | **J B C86** | 0.057 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-98** | **0.0053** | **J C** | 0.019 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-99** | **0.11** | **C83 B** | 0.019 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-100** | **0.0051** | **J C93** | 0.019 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-101** | **0.15** | **B C90** | 0.029 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-102** | **0.0053** | **J C98** | 0.019 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-103** | **0.0078** | **J** | 0.0096 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-104 | ND | | 0.0096 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-105** | **0.017** | **B** | 0.0096 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-106 | ND | | 0.0096 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-107** | **0.010** | **B** | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-108** | **0.0020** | **J C q** | 0.019 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-109** | **0.055** | **J B C86** | 0.057 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-110** | **0.12** | **C B** | 0.019 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-111 | ND | | 0.0096 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-112 | ND | | 0.0096 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-113** | **0.15** | **B C90** | 0.029 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-114** | **0.0011** | **J q** | 0.0096 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-115** | **0.12** | **B C110** | 0.019 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-116** | **0.012** | **J C85** | 0.029 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-117** | **0.012** | **J C85** | 0.029 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-118** | **0.067** | **B** | 0.0096 | 0.00058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-119** | **0.055** | **J B C86** | 0.057 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-120** | **0.0039** | **J** | 0.0096 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-121 | ND | | 0.0096 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-122 | ND | | 0.0096 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-123** | **0.0013** | **J** | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-124** | **0.0020** | **J q C108** | 0.019 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-125** | **0.055** | **J B C86** | 0.057 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-126 | ND | | 0.0096 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-127 | ND | | 0.0096 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-128** | **0.019** | **C B** | 0.019 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-129** | **0.14** | **C B** | 0.038 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-130** | **0.012** | **B** | 0.0096 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-131** | **0.0023** | **J** | 0.0096 | 0.00088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-132** | **0.048** | **B** | 0.0096 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-133** | **0.0092** | **J** | 0.0096 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-134** | **0.0082** | **J C q** | 0.019 | 0.00088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-135** | **0.085** | **C B** | 0.019 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-136** | **0.033** | **B** | 0.0096 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-137** | **0.0038** | **J** | 0.0096 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-138** | **0.14** | **B C129** | 0.038 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-139** | **0.0046** | **J C q** | 0.019 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-140** | **0.0046** | **J C139 q** | 0.019 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-141** | **0.024** | **B** | 0.0096 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-142 | ND | | 0.0096 | 0.00088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-143 | 0.0082 | J C134 q | 0.019 | 0.00088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-144 | 0.0080 | J | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-145 | ND | | 0.0096 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-146 | 0.060 | B | 0.0096 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-147 | 0.18 | C B | 0.019 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-148 | 0.0040 | J | 0.0096 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-149 | 0.18 | B C147 | 0.019 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-150 | 0.0034 | J | 0.0096 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-151 | 0.085 | C135 B | 0.019 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-152 | ND | | 0.0096 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-153 | 0.17 | C B | 0.019 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-154 | 0.017 | | 0.0096 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-155 | ND | | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-156 | 0.011 | J C B | 0.019 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-157 | 0.011 | J C156 B | 0.019 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-158 | 0.012 | B | 0.0096 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-159 | 0.0018 | J q | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-160 | 0.14 | B C129 | 0.038 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-161 | ND | | 0.0096 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-162 | ND | | 0.0096 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-163 | 0.14 | B C129 | 0.038 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-164 | 0.013 | B | 0.0096 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-165 | ND | | 0.0096 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-166 | 0.019 | C128 B | 0.019 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-167 | 0.0038 | J B | 0.0096 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-168 | 0.17 | B C153 | 0.019 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-169 | ND | | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-170 | 0.049 | B | 0.0096 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-171 | 0.017 | J C B | 0.019 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-172 | 0.011 | B | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-173 | 0.017 | J C171 B | 0.019 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-174 | 0.057 | B | 0.0096 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-175 | 0.0041 | J | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-176 | 0.0074 | J B | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-177 | 0.040 | B | 0.0096 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-178 | 0.017 | B | 0.0096 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-179 | 0.029 | B | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-180 | 0.11 | C B | 0.019 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-181 | ND | | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-182 | 0.0017 | J | 0.0096 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-183 | 0.037 | C B | 0.019 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-184 | ND | | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-185 | 0.037 | B C183 | 0.019 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-186 | ND | | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-187 | 0.082 | B | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-188 | 0.00082 | J | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-189 | 0.0019 | J B q | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-190 | 0.012 | B | 0.0096 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-191 | 0.0039 | J | 0.0096 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |

## Client Sample ID: J5-SC1b-80to90-82719
## Lab Sample ID: 580-88908-32

**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-192 | ND | | 0.0096 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-193** | **0.11** | **C180 B** | 0.019 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-194** | **0.021** | **B** | 0.0096 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-195** | **0.0084** | **J B** | 0.0096 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-196** | **0.014** | **B q** | 0.0096 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-197** | **0.0016** | **J B q** | 0.0096 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-198** | **0.034** | **C B** | 0.019 | 0.00080 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-199** | **0.034** | **C198 B** | 0.019 | 0.00080 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-200** | **0.0051** | **J** | 0.0096 | 0.00058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-201** | **0.0037** | **J B q** | 0.0096 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-202** | **0.0075** | **J B q** | 0.0096 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-203** | **0.020** | | 0.0096 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-204 | ND | | 0.0096 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-205 | ND | | 0.0096 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-206** | **0.016** | | 0.0096 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| PCB-207 | ND | | 0.0096 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-208** | **0.0055** | **J** | 0.0096 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **PCB-209** | **0.025** | | 0.0096 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Monochlorobiphenyls** | **0.0018** | **J** | 0.0096 | 0.00014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Dichlorobiphenyls** | **0.013** | **J B q** | 0.019 | 0.00019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Trichlorobiphenyls** | **0.051** | **B q** | 0.019 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Tetrachlorobiphenyls** | **0.30** | **B q** | 0.038 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Pentachlorobiphenyls** | **0.78** | **B q** | 0.057 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Hexachlorobiphenyls** | **0.87** | **B q** | 0.038 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Heptachlorobiphenyls** | **0.48** | **B q** | 0.019 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Octachlorobiphenyls** | **0.12** | **B q** | 0.019 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Total Nonachlorobiphenyls** | **0.022** | | 0.0096 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |
| **Polychlorinated biphenyls, Total** | **2.7** | **B q** | 0.057 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 07:11 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *67* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-3L* | *68* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-4L* | *69* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-15L* | *76* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-19L* | *67* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-37L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-54L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-77L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-81L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-104L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-105L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-114L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-118L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-123L* | *87* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-126L* | *87* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-155L* | *87* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-156L* | *79* | *C* | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-157L* | *79* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-167L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-169L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |

## Client Sample ID: J5-SC1b-80to90-82719
**Lab Sample ID: 580-88908-32**
**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-170L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-188L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-189L* | *75* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-202L* | *94* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-205L* | *89* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-206L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-208L* | *89* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-209L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *71* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-111L* | *88* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |
| *PCB-178L* | *95* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 07:11* | *1* |

## Client Sample ID: J5-SC1b-90to100-82719
**Lab Sample ID: 580-88908-33**
**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | **28.2** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| **Percent Solids** | **71.8** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-90to100-82719
**Lab Sample ID: 580-88908-33**
**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-2 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-3 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-4 | ND | | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-5 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-6 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-7 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-8 | ND | | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-9 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-10 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-11** | **0.0050** | **J q B** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-12 | ND | C | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-13 | ND | C12 | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-14 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-15 | ND | | 0.049 | 0.00097 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-16** | **0.0036** | **J q** | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-17** | **0.0049** | **J** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-18** | **0.0063** | **J q C** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-19 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-20** | **0.016** | **J C** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-21** | **0.0062** | **J q C** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-22 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-23 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-24 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-25** | **0.0032** | **J q** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-26** | **0.0023** | **J q C** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-27 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-28** | **0.016** | **J C20** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-29** | **0.0023** | **J q C26** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-30** | **0.0063** | **J q C18** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-31** | **0.0097** | **J** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-32** | **0.0042** | **J q** | 0.049 | 0.00094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-33** | **0.0062** | **J q C21** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-34 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-35 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-36 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-37** | **0.0023** | **J q** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-38 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-39 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-40** | **0.015** | **J q C** | 0.15 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-41** | **0.015** | **J q C40** | 0.15 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-42** | **0.011** | **J q** | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-43 | ND | C | 0.099 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-44** | **0.058** | **J C B** | 0.15 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-45 | ND | C | 0.099 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-46 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-47** | **0.058** | **J C44 B** | 0.15 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-48 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-49** | **0.056** | **J C B** | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-50 | ND | C | 0.099 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-51 | ND | C45 | 0.099 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-52** | **0.086** | **B** | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-53 | ND | C50 | 0.099 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-54 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-55 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-56** | **0.0077** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-57 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-58 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-59** | **0.0030** | **J q C** | 0.15 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-60 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-61** | **0.056** | **J C B** | 0.20 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-62** | **0.0030** | **J q C59** | 0.15 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-63 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-64** | **0.0094** | **J** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-65** | **0.058** | **J C44 B** | 0.15 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-66** | **0.039** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-67 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-68** | **0.0048** | **J q** | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-69** | **0.056** | **J C49 B** | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-70** | **0.056** | **J C61 B** | 0.20 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-71** | **0.015** | **J q C40** | 0.15 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-72** | **0.0056** | **J q** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-73 | ND | C43 | 0.099 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-74** | **0.056** | **J C61 B** | 0.20 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-75** | **0.0030** | **J q C59** | 0.15 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-76** | **0.056** | **J C61 B** | 0.20 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-77 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-78 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-79 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-80 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-81 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-82 | ND | | 0.049 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-83** | **0.12** | **C** | 0.099 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-84** | **0.023** | **J q B** | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-85** | **0.0096** | **J q C B** | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-86** | **0.057** | **J C** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-87** | **0.057** | **J C86** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-88** | **0.034** | **J C** | 0.099 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-89 | ND | | 0.049 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-90** | **0.15** | **C B** | 0.15 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-91** | **0.034** | **J C88** | 0.099 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-92** | **0.047** | **J** | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-93** | **0.0041** | **J q C** | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-94 | ND | | 0.049 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-95** | **0.12** | | 0.049 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-96 | ND | | 0.049 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-97** | **0.057** | **J C86** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-98** | **0.0047** | **J q C** | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-99** | **0.12** | **C83** | 0.099 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-100** | **0.0041** | **J q C93** | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-101** | **0.15** | **C90 B** | 0.15 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-102** | **0.0047** | **J q C98** | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-103** | **0.0095** | **J** | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-104 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-105** | **0.017** | **J** | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-106 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-107** | **0.010** | **J q** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-108** | **0.0023** | **J q C** | 0.099 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-109** | **0.057** | **J C86** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-110** | **0.12** | **C** | 0.099 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-111 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-112 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-113** | **0.15** | **C90 B** | 0.15 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-114 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-115** | **0.12** | **C110** | 0.099 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-116** | **0.0096** | **J q C85 B** | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-117** | **0.0096** | **J q C85 B** | 0.15 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-118** | **0.069** | **B** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-119** | **0.057** | **J C86** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-120** | **0.0071** | **J** | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |

## Client Sample ID: J5-SC1b-90to100-82719
**Lab Sample ID: 580-88908-33**

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-121 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-122 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-123 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-124** | **0.0023** | **J q C108** | 0.099 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-125** | **0.057** | **J C86** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-126 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-127 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-128** | **0.019** | **J C B** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-129** | **0.14** | **J C B** | 0.20 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-130** | **0.0085** | **J q** | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-131 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-132** | **0.048** | **J** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-133** | **0.0071** | **J q** | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-134** | **0.0074** | **J C** | 0.099 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-135** | **0.082** | **J C B** | 0.099 | 0.00089 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-136** | **0.039** | **J B** | 0.049 | 0.00067 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-137** | **0.0040** | **J** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-138** | **0.14** | **J C129 B** | 0.20 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-139** | **0.0055** | **J C** | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-140** | **0.0055** | **J C139** | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-141** | **0.024** | **J** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-142 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-143** | **0.0074** | **J C134** | 0.099 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-144** | **0.0047** | **J q** | 0.049 | 0.00084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-145 | ND | | 0.049 | 0.00065 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-146** | **0.067** | **B** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-147** | **0.20** | **C B** | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-148** | **0.0043** | **J** | 0.049 | 0.00086 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-149** | **0.20** | **C147 B** | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-150 | ND | | 0.049 | 0.00063 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-151** | **0.082** | **J C135 B** | 0.099 | 0.00089 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-152 | ND | | 0.049 | 0.00062 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-153** | **0.19** | **C B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-154** | **0.020** | **J** | 0.049 | 0.00076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-155 | ND | | 0.049 | 0.00060 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-156** | **0.014** | **J q C** | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-157** | **0.014** | **J q C156** | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-158** | **0.012** | **J** | 0.049 | 0.00097 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-159** | **0.0033** | **J q** | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-160** | **0.14** | **J C129 B** | 0.20 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-161 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-162** | **0.0013** | **J q** | 0.049 | 0.00099 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-163** | **0.14** | **J C129 B** | 0.20 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-164** | **0.014** | **J** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-165 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-166** | **0.019** | **J C128 B** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-167** | **0.0045** | **J q** | 0.049 | 0.00083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-168** | **0.19** | **C153 B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-169** | **0.0022** | **J** | 0.049 | 0.00089 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-170** | **0.056** | **B** | 0.049 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-171** | **0.018** | **J q C** | 0.099 | 0.00097 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-172** | **0.015** | **J** | 0.049 | 0.00094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-173** | **0.018** | **J q C171** | 0.099 | 0.00097 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-174** | **0.067** | **B** | 0.049 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-175** | **0.0052** | **J** | 0.049 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-176** | **0.0085** | **J** | 0.049 | 0.00061 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-177** | **0.048** | **J B** | 0.049 | 0.00099 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-178** | **0.016** | **J** | 0.049 | 0.00091 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-179** | **0.032** | **J** | 0.049 | 0.00066 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-180** | **0.13** | **C B** | 0.099 | 0.00076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-181** | **0.0023** | **J q** | 0.049 | 0.00084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-182** | **0.0033** | **J** | 0.049 | 0.00081 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-183** | **0.039** | **J C B** | 0.099 | 0.00082 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-184 | ND | | 0.049 | 0.00066 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-185** | **0.039** | **J C183 B** | 0.099 | 0.00082 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-186 | ND | | 0.049 | 0.00065 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-187** | **0.092** | **B** | 0.049 | 0.00084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-188 | ND | | 0.049 | 0.00062 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-189** | **0.0057** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-190** | **0.014** | **J B** | 0.049 | 0.00068 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-191** | **0.0050** | **J** | 0.049 | 0.00067 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-192** | **0.0013** | **J q** | 0.049 | 0.00072 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-193** | **0.13** | **C180 B** | 0.099 | 0.00076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-194** | **0.034** | **J** | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-195** | **0.018** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-196** | **0.019** | **J** | 0.049 | 0.00090 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-197** | **0.0020** | **J q** | 0.049 | 0.00066 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-198** | **0.038** | **J C B** | 0.099 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-199** | **0.038** | **J C198 B** | 0.099 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-200** | **0.0041** | **J q** | 0.049 | 0.00070 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-201** | **0.0032** | **J q** | 0.049 | 0.00067 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-202** | **0.0047** | **J q** | 0.049 | 0.00075 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-203** | **0.023** | **J** | 0.049 | 0.00086 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-204** | **0.0012** | **J q** | 0.049 | 0.00072 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-205** | **0.0040** | **J q** | 0.049 | 0.00079 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-206** | **0.024** | **J** | 0.049 | 0.0036 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-207 | ND | | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| PCB-208 | ND | | 0.049 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **PCB-209** | **0.021** | **J** | 0.049 | 0.00083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| Total Monochlorobiphenyls | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Dichlorobiphenyls** | **0.0050** | **J q B** | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Trichlorobiphenyls** | **0.059** | **J q** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Tetrachlorobiphenyls** | **0.35** | **q B** | 0.20 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Pentachlorobiphenyls** | **0.80** | **q B** | 0.30 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Hexachlorobiphenyls** | **0.92** | **q B** | 0.20 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Heptachlorobiphenyls** | **0.56** | **q B** | 0.099 | 0.00082 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Octachlorobiphenyls** | **0.15** | **q B** | 0.099 | 0.00084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |
| **Total Nonachlorobiphenyls** | **0.024** | **J** | 0.049 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |

## Client Sample ID: J5-SC1b-90to100-82719
**Lab Sample ID: 580-88908-33**

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Polychlorinated biphenyls, Total** | **2.9** | **q B** | 0.30 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 02:55 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *55* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-3L* | *62* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-4L* | *66* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-15L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-19L* | *73* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-37L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-54L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-77L* | *84* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-81L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-104L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-105L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-114L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-118L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-123L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-126L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-155L* | *101* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-156L* | *81* | *C* | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-157L* | *81* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-167L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-169L* | *93* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-170L* | *84* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-188L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-189L* | *74* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-202L* | *95* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-205L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-206L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-208L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-209L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *76* | | *40 - 125* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-111L* | *88* | | *40 - 125* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |
| *PCB-178L* | *88* | | *40 - 125* | *09/17/19 12:25* | *10/04/19 02:55* | *5* |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.0051** | **J** | 0.0096 | 0.00013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-2** | **0.0014** | **J** | 0.0096 | 0.00014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-3** | **0.0021** | **J** | 0.0096 | 0.00015 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-4** | **0.022** | | 0.019 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-5** | **0.0011** | **J q** | 0.0096 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-6** | **0.010** | | 0.0096 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-7** | **0.0020** | **J q** | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-8** | **0.034** | | 0.019 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-9** | **0.0040** | **J q** | 0.0096 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-10** | **0.0015** | **J** | 0.0096 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-11** | **0.0096** | **J q B** | 0.019 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-12** | **0.0068** | **J C** | 0.019 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-13 | 0.0068 | J C12 | 0.019 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-14 | ND | | 0.0096 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-15 | 0.0093 | J | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-16 | 0.021 | | 0.0096 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-17 | 0.022 | B | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-18 | 0.048 | C B | 0.019 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-19 | 0.0064 | J | 0.0096 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-20 | 0.054 | C B | 0.019 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-21 | 0.029 | C B | 0.019 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-22 | 0.018 | B | 0.0096 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-23 | ND | | 0.0096 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-24 | ND | | 0.0096 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-25 | 0.011 | | 0.0096 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-26 | 0.050 | C B | 0.019 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-27 | 0.0034 | J q | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-28 | 0.054 | C20 B | 0.019 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-29 | 0.050 | C26 B | 0.019 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-30 | 0.048 | C18 B | 0.019 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-31 | 0.065 | B | 0.019 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-32 | 0.013 | | 0.0096 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-33 | 0.029 | C21 B | 0.019 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-34 | ND | | 0.0096 | 0.00080 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-35 | 0.032 | | 0.0096 | 0.00079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-36 | 0.0015 | J q | 0.0096 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-37 | 0.021 | B | 0.0096 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-38 | ND | | 0.0096 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-39 | 0.0016 | J | 0.0096 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-40 | 0.080 | C | 0.029 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-41 | 0.080 | C40 | 0.029 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-42 | 0.042 | | 0.0096 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-43 | 0.0051 | J C | 0.019 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-44 | 0.35 | C B | 0.029 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-45 | 0.021 | C B | 0.019 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-46 | 0.0072 | J | 0.0096 | 0.00089 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-47 | 0.35 | C44 B | 0.029 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-48 | 0.024 | | 0.0096 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-49 | 0.21 | C B | 0.019 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-50 | 0.030 | C | 0.019 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-51 | 0.021 | C45 B | 0.019 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-52 | 0.88 | B | 0.0096 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-53 | 0.030 | C50 | 0.019 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-54 | 0.00081 | J q | 0.0096 | 0.00011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-55 | 0.0056 | J q | 0.0096 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-56 | 0.089 | | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-57 | ND | | 0.0096 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-58 | 0.0019 | J q | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-59 | 0.013 | J C | 0.029 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-60 | 0.028 | | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-61 | 0.64 | C B | 0.038 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-62 | 0.013 | J C59 | 0.029 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-63 | 0.0082 | J | 0.0096 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-64 | 0.095 | | 0.0096 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-65 | 0.35 | C44 B | 0.029 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-66 | 0.18 | B | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-67 | 0.016 | | 0.0096 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-68 | 0.0052 | J B | 0.0096 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-69 | 0.21 | C49 B | 0.019 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-70 | 0.64 | C61 B | 0.038 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-71 | 0.080 | C40 | 0.029 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-72 | 0.011 | | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-73 | 0.0051 | J C43 | 0.019 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-74 | 0.64 | C61 B | 0.038 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-75 | 0.013 | J C59 | 0.029 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-76 | 0.64 | C61 B | 0.038 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-77 | 0.043 | | 0.0096 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-78 | ND | | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-79 | 0.014 | | 0.0096 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-80 | ND | | 0.0096 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-81 | 0.0013 | J q | 0.0096 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-82 | 0.16 | B | 0.0096 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-83 | 0.73 | C B | 0.019 | 0.00058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-84 | 0.38 | B | 0.0096 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-85 | 0.21 | C | 0.029 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-86 | 0.90 | C B | 0.058 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-87 | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-88 | 0.19 | C B | 0.019 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-89 | 0.015 | | 0.0096 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-90 | 1.4 | C B | 0.029 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-91 | 0.19 | C88 B | 0.019 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-92 | 0.29 | B | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-93 | 0.015 | J q C | 0.019 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-94 | ND | | 0.0096 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-95 | 1.2 | B | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-96 | 0.0092 | J | 0.0096 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-97 | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-98 | 0.041 | C | 0.019 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-99 | 0.73 | C83 B | 0.019 | 0.00058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-100 | 0.015 | J q C93 | 0.019 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-101 | 1.4 | C90 B | 0.029 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-102 | 0.041 | C98 | 0.019 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-103 | 0.016 | | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-104 | ND | | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-105 | 0.37 | B | 0.0096 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-106 | ND | | 0.0096 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-107 | 0.081 | B | 0.0096 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-108 | 0.047 | C | 0.019 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-109 | 0.90 | C86 B | 0.058 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-110 | 1.5 | C B | 0.019 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |

## Client Sample ID: J5-SC1b-90to100-82719
**Lab Sample ID: 580-88908-33**

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-111 | ND | | 0.0096 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-112 | ND | | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-113** | **1.4** | **C90 B** | 0.029 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-114** | **0.021** | | 0.0096 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-115** | **1.5** | **C110 B** | 0.019 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-116** | **0.21** | **C85** | 0.029 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-117** | **0.21** | **C85** | 0.029 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-118** | **0.91** | **B** | 0.0096 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-119** | **0.90** | **C86 B** | 0.058 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-120** | **0.0084** | **J q** | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-121 | ND | | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-122** | **0.017** | **B** | 0.0096 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-123** | **0.016** | | 0.0096 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-124** | **0.047** | **C108** | 0.019 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-125** | **0.90** | **C86 B** | 0.058 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-126** | **0.0068** | **J q** | 0.0096 | 0.00099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-127 | ND | | 0.0096 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-128** | **0.17** | **C B** | 0.019 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-129** | **0.90** | **C B** | 0.038 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-130** | **0.072** | **B** | 0.0096 | 0.00094 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-131** | **0.022** | | 0.0096 | 0.00090 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-132** | **0.41** | **B** | 0.0096 | 0.00088 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-133** | **0.024** | | 0.0096 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-134** | **0.069** | **C** | 0.019 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-135** | **0.33** | **C B** | 0.019 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-136** | **0.16** | **B** | 0.0096 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-137** | **0.046** | | 0.0096 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-138** | **0.90** | **C129 B** | 0.038 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-139** | **0.028** | **C** | 0.019 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-140** | **0.028** | **C139** | 0.019 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-141** | **0.13** | **B** | 0.0096 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-142 | ND | | 0.0096 | 0.00090 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-143** | **0.069** | **C134** | 0.019 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-144** | **0.049** | | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-145** | **0.0018** | **J** | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-146** | **0.16** | **B** | 0.0096 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-147** | **0.79** | **C B** | 0.019 | 0.00079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-148** | **0.0037** | **J q** | 0.0096 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-149** | **0.79** | **C147 B** | 0.019 | 0.00079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-150** | **0.0050** | **J** | 0.0096 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-151** | **0.33** | **C135 B** | 0.019 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-152** | **0.0012** | **J q** | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-153** | **0.62** | **C B** | 0.019 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-154** | **0.029** | | 0.0096 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-155 | ND | | 0.0096 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-156** | **0.12** | **C B** | 0.019 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-157** | **0.12** | **C156 B** | 0.019 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-158** | **0.10** | **B** | 0.0096 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-159 | ND | | 0.0096 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-160** | **0.90** | **C129 B** | 0.038 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-161 | ND | | 0.0096 | 0.00058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-162** | **0.0042** | **J B** | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-163** | **0.90** | **C129 B** | 0.038 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-164** | **0.059** | **B** | 0.0096 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-165 | ND | | 0.0096 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-166** | **0.17** | **C128 B** | 0.019 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-167** | **0.041** | **B** | 0.0096 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-168** | **0.62** | **C153 B** | 0.019 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-169 | ND | | 0.0096 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-170** | **0.13** | **B** | 0.0096 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-171** | **0.057** | **C B** | 0.019 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-172** | **0.022** | **B** | 0.0096 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-173** | **0.057** | **C171 B** | 0.019 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-174** | **0.12** | **B** | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-175** | **0.0059** | **J q** | 0.0096 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-176** | **0.016** | **B** | 0.0096 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-177** | **0.092** | **B** | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-178** | **0.030** | **B** | 0.0096 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-179** | **0.057** | **B** | 0.0096 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-180** | **0.22** | **C B** | 0.019 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-181 | ND | | 0.0096 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-182** | **0.0018** | **J q** | 0.0096 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-183** | **0.081** | **C B** | 0.019 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-184 | ND | | 0.0096 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-185** | **0.081** | **C183 B** | 0.019 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-186 | ND | | 0.0096 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-187** | **0.15** | **B** | 0.0096 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-188 | ND | | 0.0096 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-189** | **0.0060** | **J B** | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-190** | **0.019** | **B** | 0.0096 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-191** | **0.0062** | **J q** | 0.0096 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-192 | ND | | 0.0096 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-193** | **0.22** | **C180 B** | 0.019 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-194** | **0.036** | **B** | 0.0096 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-195** | **0.016** | **B** | 0.0096 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-196** | **0.022** | **B** | 0.0096 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-197** | **0.0018** | **J q B** | 0.0096 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-198** | **0.046** | **C B** | 0.019 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-199** | **0.046** | **C198 B** | 0.019 | 0.00078 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-200** | **0.0057** | **J** | 0.0096 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-201** | **0.0071** | **J B** | 0.0096 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-202** | **0.011** | **q B** | 0.0096 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-203** | **0.026** | | 0.0096 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-204 | ND | | 0.0096 | 0.00058 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| PCB-205 | ND | | 0.0096 | 0.00080 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-206** | **0.021** | **q** | 0.0096 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-207** | **0.0031** | **J** | 0.0096 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **PCB-208** | **0.0052** | **J q** | 0.0096 | 0.00089 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |

## Client Sample ID: J5-SC1b-90to100-82719
## Lab Sample ID: 580-88908-33

**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-209** | **0.016** | | 0.0096 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Monochlorobiphenyls** | **0.0086** | **J** | 0.0096 | 0.00014 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Dichlorobiphenyls** | **0.10** | **q B** | 0.019 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Trichlorobiphenyls** | **0.40** | **q B** | 0.019 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Tetrachlorobiphenyls** | **2.8** | **q B** | 0.038 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Pentachlorobiphenyls** | **8.5** | **q B** | 0.058 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Hexachlorobiphenyls** | **4.3** | **q B** | 0.038 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Heptachlorobiphenyls** | **1.0** | **q B** | 0.019 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Octachlorobiphenyls** | **0.17** | **q B** | 0.019 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Total Nonachlorobiphenyls** | **0.029** | **q** | 0.0096 | 0.00099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |
| **Polychlorinated biphenyls, Total** | **17** | **q B** | 0.058 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 08:13 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *66* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-3L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-4L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-15L* | *71* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-19L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-37L* | *70* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-54L* | *60* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-77L* | *78* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-81L* | *82* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-104L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-105L* | *114* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-114L* | *112* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-118L* | *115* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-123L* | *112* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-126L* | *100* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-155L* | *94* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-156L* | *91* | *C* | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-157L* | *91* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-167L* | *96* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-169L* | *103* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-170L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-188L* | *82* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-189L* | *75* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-202L* | *93* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-205L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-206L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-208L* | *101* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-209L* | *103* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *71* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-111L* | *89* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |
| *PCB-178L* | *89* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 08:13* | *1* |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | **29.1** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| **Percent Solids** | **70.9** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.0058** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-2 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-3 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-4** | **0.011** | **J q** | 0.099 | 0.0034 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-5 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-6 | ND | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-7 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-8** | **0.020** | **J q** | 0.099 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-9 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-10 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-11** | **0.0068** | **J q B** | 0.099 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-12 | ND | C | 0.099 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-13 | ND | C12 | 0.099 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-14 | ND | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-15** | **0.0084** | **J** | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-16** | **0.016** | **J** | 0.049 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-17** | **0.016** | **J** | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-18** | **0.033** | **J q C** | 0.099 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-19** | **0.0062** | **J** | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-20** | **0.036** | **J C** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-21** | **0.022** | **J C** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-22** | **0.016** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-23 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-24 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-25** | **0.0046** | **J** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-26** | **0.0076** | **J C** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-27** | **0.0023** | **J q** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-28** | **0.036** | **J C20** | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-29** | **0.0076** | **J C26** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-30** | **0.033** | **J q C18** | 0.099 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-31** | **0.045** | **J** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-32** | **0.0085** | **J q** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-33** | **0.022** | **J C21** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-34 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-35 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-36** | **0.0085** | **J** | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-37** | **0.012** | **J** | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-38 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-39 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-40** | **0.069** | **J C** | 0.15 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-41** | **0.069** | **J C40** | 0.15 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |

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**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-42** | **0.036** | **J** | 0.049 | 0.0087 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-43 | ND | C | 0.099 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-44** | **0.52** | **C B** | 0.15 | 0.0073 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-45 | ND | C | 0.099 | 0.0086 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-46 | ND | | 0.049 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-47** | **0.52** | **C44 B** | 0.15 | 0.0073 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-48** | **0.016** | **J q** | 0.049 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-49** | **0.25** | **C B** | 0.099 | 0.0067 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-50** | **0.030** | **J C** | 0.099 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-51 | ND | C45 | 0.099 | 0.0086 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-52** | **1.6** | **B** | 0.049 | 0.0084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-53** | **0.030** | **J C50** | 0.099 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-54 | ND | | 0.049 | 0.00040 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-55 | ND | | 0.049 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-56** | **0.098** | | 0.049 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-57 | ND | | 0.049 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-58 | ND | | 0.049 | 0.0057 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-59 | ND | C | 0.15 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-60** | **0.037** | **J** | 0.049 | 0.0057 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-61** | **0.99** | **C B** | 0.20 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-62 | ND | C59 | 0.15 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-63** | **0.0096** | **J** | 0.049 | 0.0052 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-64** | **0.12** | | 0.049 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-65** | **0.52** | **C44 B** | 0.15 | 0.0073 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-66** | **0.22** | | 0.049 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-67 | ND | | 0.049 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-68 | ND | | 0.049 | 0.0051 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-69** | **0.25** | **C49 B** | 0.099 | 0.0067 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-70** | **0.99** | **C61 B** | 0.20 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-71** | **0.069** | **J C40** | 0.15 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-72 | ND | | 0.049 | 0.0058 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-73 | ND | C43 | 0.099 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-74** | **0.99** | **C61 B** | 0.20 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-75 | ND | C59 | 0.15 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-76** | **0.99** | **C61 B** | 0.20 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-77** | **0.0087** | **J q** | 0.049 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-78 | ND | | 0.049 | 0.0058 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-79** | **0.011** | **J q** | 0.049 | 0.0049 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-80 | ND | | 0.049 | 0.0052 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-81 | ND | | 0.049 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-82** | **0.37** | | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-83** | **1.5** | **C** | 0.099 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-84** | **0.88** | **B** | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-85** | **0.43** | **C B** | 0.15 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-86** | **2.1** | **C** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-87** | **2.1** | **C86** | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-88** | **0.34** | **C** | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-89** | **0.027** | **J** | 0.049 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-90** | **3.0** | **C B** | 0.15 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |

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**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-91 | 0.34 | C88 | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-92 | 0.59 | | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-93 | 0.029 | J C | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-94 | 0.0082 | J | 0.049 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-95 | 2.7 | | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-96 | 0.013 | J q | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-97 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-98 | 0.070 | J C | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-99 | 1.5 | C83 | 0.099 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-100 | 0.029 | J C93 | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-101 | 3.0 | C90 B | 0.15 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-102 | 0.070 | J C98 | 0.099 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-103 | 0.013 | J q | 0.049 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-104 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-105 | 0.91 | | 0.049 | 0.0034 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-106 | ND | | 0.049 | 0.0035 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-107 | 0.15 | | 0.049 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-108 | 0.11 | C | 0.099 | 0.0036 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-109 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-110 | 3.4 | C | 0.099 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-111 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-112 | 0.0032 | J q | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-113 | 3.0 | C90 B | 0.15 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-114 | 0.066 | | 0.049 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-115 | 3.4 | C110 | 0.099 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-116 | 0.43 | C85 B | 0.15 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-117 | 0.43 | C85 B | 0.15 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-118 | 2.2 | B | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-119 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-120 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-121 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-122 | 0.035 | J | 0.049 | 0.0038 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-123 | 0.034 | J | 0.049 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-124 | 0.11 | C108 | 0.099 | 0.0036 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-125 | 2.1 | C86 | 0.30 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-126 | ND | | 0.049 | 0.0035 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-127 | 0.0085 | J | 0.049 | 0.0035 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-128 | 0.52 | C B | 0.099 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-129 | 2.8 | C B | 0.20 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-130 | 0.20 | | 0.049 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-131 | 0.055 | | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-132 | 1.1 | | 0.049 | 0.0025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-133 | 0.039 | J | 0.049 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-134 | 0.19 | C | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-135 | 0.83 | C B | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-136 | 0.41 | B | 0.049 | 0.00082 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-137 | 0.17 | | 0.049 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-138 | 2.8 | C129 B | 0.20 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-139 | 0.061 | J C | 0.099 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |

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### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-140 | 0.061 | J C139 | 0.099 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-141 | 0.46 | | 0.049 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-142 | ND | | 0.049 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-143 | 0.19 | C134 | 0.099 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-144 | 0.13 | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-145 | 0.0037 | J q | 0.049 | 0.00079 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-146 | 0.35 | B | 0.049 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-147 | 1.9 | C B | 0.099 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-148 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-149 | 1.9 | C147 B | 0.099 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-150 | 0.0033 | J q | 0.049 | 0.00076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-151 | 0.83 | C135 B | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-152 | 0.0036 | J | 0.049 | 0.00075 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-153 | 1.8 | C B | 0.099 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-154 | 0.028 | J q | 0.049 | 0.00093 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-155 | ND | | 0.049 | 0.00072 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-156 | 0.41 | C | 0.099 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-157 | 0.41 | C156 | 0.099 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-158 | 0.32 | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-159 | 0.014 | J | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-160 | 2.8 | C129 B | 0.20 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-161 | ND | | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-162 | 0.012 | J | 0.049 | 0.0016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-163 | 2.8 | C129 B | 0.20 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-164 | 0.19 | | 0.049 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-165 | ND | | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-166 | 0.52 | C128 B | 0.099 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-167 | 0.11 | | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-168 | 1.8 | C153 B | 0.099 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-169 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-170 | 0.35 | B | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-171 | 0.13 | C | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-172 | 0.061 | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-173 | 0.13 | C171 | 0.099 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-174 | 0.31 | B | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-175 | 0.014 | J q | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-176 | 0.044 | J | 0.049 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-177 | 0.19 | B | 0.049 | 0.0014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-178 | 0.057 | | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-179 | 0.12 | | 0.049 | 0.00094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-180 | 0.59 | C B | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-181 | 0.0086 | J q | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-182 | 0.0044 | J | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-183 | 0.22 | C B | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-184 | ND | | 0.049 | 0.00094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-185 | 0.22 | C183 B | 0.099 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-186 | ND | | 0.049 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-187 | 0.30 | B | 0.049 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-188 | ND | | 0.049 | 0.00083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-189** | **0.014** | **J q** | 0.049 | 0.00095 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-190** | **0.071** | **B** | 0.049 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-191** | **0.018** | **J** | 0.049 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-192 | ND | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-193** | **0.59** | **C180 B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-194** | **0.11** | | 0.049 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-195** | **0.047** | **J** | 0.049 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-196** | **0.065** | | 0.049 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-197** | **0.0019** | **J q** | 0.049 | 0.00074 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-198** | **0.12** | **C B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-199** | **0.12** | **C198 B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-200** | **0.020** | **J** | 0.049 | 0.00079 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-201** | **0.015** | **J q** | 0.049 | 0.00075 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-202** | **0.027** | **J** | 0.049 | 0.00084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-203** | **0.086** | | 0.049 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-204 | ND | | 0.049 | 0.00080 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-205** | **0.0060** | **J q** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-206** | **0.077** | | 0.049 | 0.0038 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-207 | ND | | 0.049 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-208 | ND | | 0.049 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **PCB-209** | **0.0091** | **J q** | 0.049 | 0.00068 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Monochlorobiphenyls** | **0.0058** | **J** | 0.049 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Dichlorobiphenyls** | **0.046** | **J q B** | 0.099 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Trichlorobiphenyls** | **0.23** | **q** | 0.099 | 0.0013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Tetrachlorobiphenyls** | **4.0** | **q B** | 0.20 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Pentachlorobiphenyls** | **19** | **q B** | 0.30 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Hexachlorobiphenyls** | **12** | **q B** | 0.20 | 0.0017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Heptachlorobiphenyls** | **2.5** | **q B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Octachlorobiphenyls** | **0.50** | **q B** | 0.099 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Total Nonachlorobiphenyls** | **0.077** | | 0.049 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| **Polychlorinated biphenyls, Total** | **38** | **q B** | 0.30 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 03:57 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *59* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-3L* | *69* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-4L* | *71* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-15L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-19L* | *68* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-37L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-54L* | *74* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-77L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-81L* | *85* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-104L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-105L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-114L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-118L* | *85* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-123L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-126L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-155L* | *97* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |
| *PCB-156L* | *82* | *C* | *30 - 140* | *09/17/19 12:25* | *10/04/19 03:57* | *5* |

## Client Sample ID: J5-SC1b-100to110-82719
**Lab Sample ID: 580-88908-34**

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-157L | 82 | C156 | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-167L | 82 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-169L | 94 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-170L | 80 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-188L | 84 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-189L | 82 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-202L | 99 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-205L | 81 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-206L | 84 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-208L | 84 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-209L | 87 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 81 | | 40 - 125 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-111L | 93 | | 40 - 125 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |
| PCB-178L | 93 | | 40 - 125 | 09/17/19 12:25 | 10/04/19 03:57 | 5 |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.00074** | **J q** | 0.0097 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-2 | ND | | 0.0097 | 0.00019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-3 | ND | | 0.0097 | 0.00021 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-4 | ND | | 0.019 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-5 | ND | | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-6 | ND | | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-7 | ND | | 0.0097 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-8** | **0.0017** | **J q** | 0.019 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-9 | ND | | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-10 | ND | | 0.0097 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-11** | **0.0038** | **J B** | 0.019 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-12 | ND | C | 0.019 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-13 | ND | C12 | 0.019 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-14 | ND | | 0.0097 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-15 | ND | | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-16 | ND | | 0.0097 | 0.00030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-17** | **0.0016** | **J B q** | 0.0097 | 0.00024 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-18** | **0.0024** | **J C B** | 0.019 | 0.00020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-19 | ND | | 0.0097 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-20** | **0.0051** | **J C B** | 0.019 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-21** | **0.0021** | **J C B** | 0.019 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-22 | ND | | 0.0097 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-23 | ND | | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-24 | ND | | 0.0097 | 0.00018 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-25** | **0.00072** | **J q** | 0.0097 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-26** | **0.0011** | **J C B q** | 0.019 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-27 | ND | | 0.0097 | 0.00017 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-28** | **0.0051** | **J B C20** | 0.019 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-29** | **0.0011** | **J C26 B q** | 0.019 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-30** | **0.0024** | **J C18 B** | 0.019 | 0.00020 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-31** | **0.0029** | **J B q** | 0.019 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-32** | **0.0018** | **J q** | 0.0097 | 0.00016 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-33** | **0.0021** | **J B C21** | 0.019 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-34 | ND | | 0.0097 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-35 | ND | | 0.0097 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-36 | ND | | 0.0097 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-37 | ND | | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-38 | ND | | 0.0097 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-39 | ND | | 0.0097 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-40** | **0.012** | **J C** | 0.029 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-41** | **0.012** | **J C40** | 0.029 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-42** | **0.0028** | **J q** | 0.0097 | 0.00066 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-43 | ND | C | 0.019 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-44** | **0.036** | **C B** | 0.029 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-45** | **0.015** | **J C B** | 0.019 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-46 | ND | | 0.0097 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-47** | **0.036** | **B C44** | 0.029 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-48 | ND | | 0.0097 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-49** | **0.025** | **C B** | 0.019 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-50** | **0.0092** | **J C** | 0.019 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-51** | **0.015** | **J C45 B** | 0.019 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-52** | **0.032** | **B** | 0.0097 | 0.00063 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-53** | **0.0092** | **J C50** | 0.019 | 0.00061 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-54** | **0.0030** | **J q** | 0.0097 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-55 | ND | | 0.0097 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-56** | **0.0025** | **J q** | 0.0097 | 0.00045 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-57 | ND | | 0.0097 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-58 | ND | | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-59 | ND | C | 0.029 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-60 | ND | | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-61** | **0.016** | **J C B** | 0.039 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-62 | ND | C59 | 0.029 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-63 | ND | | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-64** | **0.0014** | **J q** | 0.0097 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-65** | **0.036** | **B C44** | 0.029 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-66** | **0.0066** | **J B q** | 0.0097 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-67 | ND | | 0.0097 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-68** | **0.0015** | **J B q** | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-69** | **0.025** | **B C49** | 0.019 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-70** | **0.016** | **J C61 B** | 0.039 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-71** | **0.012** | **J C40** | 0.029 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-72 | ND | | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-73 | ND | C43 | 0.019 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-74** | **0.016** | **J C61 B** | 0.039 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-75 | ND | C59 | 0.029 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-76** | **0.016** | **J C61 B** | 0.039 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-77 | ND | | 0.0097 | 0.00042 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-78 | ND | | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-79 | ND | | 0.0097 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-80 | ND | | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-81 | ND | | 0.0097 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-82** | **0.0035** | **J B q** | 0.0097 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-83** | **0.037** | **C B q** | 0.019 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-84** | **0.0073** | **J B q** | 0.0097 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-85 | ND | C | 0.029 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-86** | **0.024** | **J C B** | 0.058 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-87** | **0.024** | **J B C86** | 0.058 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-88** | **0.012** | **J C B** | 0.019 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-89 | ND | | 0.0097 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-90** | **0.060** | **C B** | 0.029 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-91** | **0.012** | **J C88 B** | 0.019 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-92** | **0.017** | **B** | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-93** | **0.0037** | **J C q** | 0.019 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-94 | ND | | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-95** | **0.050** | **B** | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-96 | ND | | 0.0097 | 0.00084 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-97** | **0.024** | **J B C86** | 0.058 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-98** | **0.0084** | **J C** | 0.019 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-99** | **0.037** | **C83 B q** | 0.019 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-100** | **0.0037** | **J C93 q** | 0.019 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-101** | **0.060** | **B C90** | 0.029 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-102** | **0.0084** | **J C98** | 0.019 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-103** | **0.0044** | **J** | 0.0097 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-104 | ND | | 0.0097 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-105** | **0.0059** | **J B q** | 0.0097 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-106 | ND | | 0.0097 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-107** | **0.0030** | **J B q** | 0.0097 | 0.00049 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-108 | ND | C | 0.019 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-109** | **0.024** | **J B C86** | 0.058 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-110** | **0.044** | **C B** | 0.019 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-111 | ND | | 0.0097 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-112 | ND | | 0.0097 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-113** | **0.060** | **B C90** | 0.029 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-114 | ND | | 0.0097 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-115** | **0.044** | **B C110** | 0.019 | 0.00077 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-116 | ND | C85 | 0.029 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-117 | ND | C85 | 0.029 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-118** | **0.022** | **B** | 0.0097 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-119** | **0.024** | **J B C86** | 0.058 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-120 | ND | | 0.0097 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-121 | ND | | 0.0097 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-122 | ND | | 0.0097 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-123 | ND | | 0.0097 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-124 | ND | C108 | 0.019 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-125** | **0.024** | **J B C86** | 0.058 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-126 | ND | | 0.0097 | 0.00051 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-127 | ND | | 0.0097 | 0.00052 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-128** | **0.0065** | **J C B** | 0.019 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-129** | **0.047** | **C B** | 0.039 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-130** | **0.0039** | **J B q** | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-131 | ND | | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-132** | **0.016** | **B** | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-133** | **0.0013** | **J q** | 0.0097 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-134** | **0.0032** | **J C** | 0.019 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-135** | **0.035** | **C B** | 0.019 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-136** | **0.015** | **B** | 0.0097 | 0.00031 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-137** | **0.0012** | **J q** | 0.0097 | 0.00087 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-138** | **0.047** | **B C129** | 0.039 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-139 | ND | C | 0.019 | 0.00093 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-140 | ND | C139 | 0.019 | 0.00093 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-141** | **0.0088** | **J B** | 0.0097 | 0.00096 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-142 | ND | | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-143** | **0.0032** | **J C134** | 0.019 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-144** | **0.0027** | **J q** | 0.0097 | 0.00039 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-145 | ND | | 0.0097 | 0.00030 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-146** | **0.019** | **B** | 0.0097 | 0.00092 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-147** | **0.061** | **C B** | 0.019 | 0.00095 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-148** | **0.0016** | **J** | 0.0097 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-149** | **0.061** | **B C147** | 0.019 | 0.00095 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-150** | **0.00094** | **J q** | 0.0097 | 0.00029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-151** | **0.035** | **C135 B** | 0.019 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-152 | ND | | 0.0097 | 0.00029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-153** | **0.057** | **C B** | 0.019 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-154** | **0.0055** | **J q** | 0.0097 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-155 | ND | | 0.0097 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-156** | **0.0039** | **J C B q** | 0.019 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-157** | **0.0039** | **J C156 B q** | 0.019 | 0.00091 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-158** | **0.0051** | **J B** | 0.0097 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-159 | ND | | 0.0097 | 0.00070 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-160** | **0.047** | **B C129** | 0.039 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-161 | ND | | 0.0097 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-162 | ND | | 0.0097 | 0.00068 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-163** | **0.047** | **B C129** | 0.039 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-164** | **0.0042** | **J B q** | 0.0097 | 0.00074 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-165 | ND | | 0.0097 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-166** | **0.0065** | **J C128 B** | 0.019 | 0.00083 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-167 | ND | | 0.0097 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-168** | **0.057** | **B C153** | 0.019 | 0.00076 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-169 | ND | | 0.0097 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-170** | **0.018** | **B** | 0.0097 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-171** | **0.0064** | **J C B** | 0.019 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-172** | **0.0038** | **J B** | 0.0097 | 0.00062 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-173** | **0.0064** | **J C171 B** | 0.019 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-174** | **0.019** | **B** | 0.0097 | 0.00064 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-175** | **0.0014** | **J q** | 0.0097 | 0.00057 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-176** | **0.0025** | **J B** | 0.0097 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-177** | **0.016** | **B** | 0.0097 | 0.00065 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-178** | **0.0047** | **J B q** | 0.0097 | 0.00060 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |

## Client Sample ID: J5-SC1b-100to110-82719
## Lab Sample ID: 580-88908-34

**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
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**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-179** | **0.0097** | **B** | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-180** | **0.039** | **C B** | 0.019 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-181 | ND | | 0.0097 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-182 | ND | | 0.0097 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-183** | **0.015** | **J C B** | 0.019 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-184 | ND | | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-185** | **0.015** | **J B C183** | 0.019 | 0.00054 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-186 | ND | | 0.0097 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-187** | **0.028** | **B** | 0.0097 | 0.00055 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-188 | ND | | 0.0097 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-189 | ND | | 0.0097 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-190** | **0.0042** | **J B** | 0.0097 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-191 | ND | | 0.0097 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-192 | ND | | 0.0097 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-193** | **0.039** | **C180 B** | 0.019 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-194** | **0.0095** | **J B** | 0.0097 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-195** | **0.0047** | **J B** | 0.0097 | 0.00079 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-196** | **0.0054** | **J B** | 0.0097 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-197 | ND | | 0.0097 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-198** | **0.012** | **J C B** | 0.019 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-199** | **0.012** | **J C198 B** | 0.019 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-200** | **0.0024** | **J** | 0.0097 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-201** | **0.0017** | **J B** | 0.0097 | 0.00026 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-202** | **0.0023** | **J B** | 0.0097 | 0.00029 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-203** | **0.0071** | **J q** | 0.0097 | 0.00034 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-204 | ND | | 0.0097 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-205 | ND | | 0.0097 | 0.00050 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-206** | **0.038** | **q** | 0.0097 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-207 | ND | | 0.0097 | 0.00095 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| PCB-208 | ND | | 0.0097 | 0.00099 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **PCB-209** | **0.024** | | 0.0097 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Monochlorobiphenyls** | **0.00074** | **J q** | 0.0097 | 0.00019 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Dichlorobiphenyls** | **0.0055** | **J B q** | 0.019 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Trichlorobiphenyls** | **0.018** | **J B q** | 0.019 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Tetrachlorobiphenyls** | **0.16** | **B q** | 0.039 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Pentachlorobiphenyls** | **0.30** | **B q** | 0.058 | 0.00081 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Hexachlorobiphenyls** | **0.30** | **B q** | 0.039 | 0.00072 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Heptachlorobiphenyls** | **0.17** | **B q** | 0.019 | 0.00053 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Octachlorobiphenyls** | **0.045** | **B q** | 0.019 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Total Nonachlorobiphenyls** | **0.038** | **q** | 0.0097 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |
| **Polychlorinated biphenyls, Total** | **1.1** | **B q** | 0.058 | 0.00059 | ng/g | ☼ | 10/03/19 11:21 | 10/10/19 09:14 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-3L* | *72* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-4L* | *74* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-15L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-19L* | *75* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-37L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-54L* | *65* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |

## Client Sample ID: J5-SC1b-100to110-82719
**Lab Sample ID: 580-88908-34**
**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-77L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-81L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-104L* | *75* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-105L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-114L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-118L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-123L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-126L* | *87* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-155L* | *86* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-156L* | *83* | *C* | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-157L* | *83* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-167L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-169L* | *100* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-170L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-188L* | *73* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-189L* | *72* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-202L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-205L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-206L* | *77* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-208L* | *82* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-209L* | *78* | | *30 - 140* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *72* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-111L* | *87* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |
| *PCB-178L* | *84* | | *40 - 125* | *10/03/19 11:21* | *10/10/19 09:14* | *1* |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**
**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | **54.7** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| **Percent Solids** | **45.3** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**
**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.44** | | 0.054 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-2** | **0.12** | | 0.054 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-3** | **0.22** | | 0.054 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-4** | **0.50** | | 0.11 | 0.0074 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-5** | **0.014** | **J** | 0.054 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-6** | **0.14** | | 0.054 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-7** | **0.035** | **J** | 0.054 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-8** | **0.44** | | 0.11 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| **PCB-9** | **0.047** | **J** | 0.054 | 0.0035 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | 0.014 | J q | 0.054 | 0.0033 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-11 | 0.13 | B | 0.11 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-12 | 0.075 | J C | 0.11 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-13 | 0.075 | J C12 | 0.11 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-14 | ND | | 0.054 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-15 | 0.29 | | 0.054 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-16 | 0.20 | | 0.054 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-17 | 1.1 | | 0.054 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-18 | 0.53 | C | 0.11 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-19 | 0.97 | | 0.054 | 0.0038 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-20 | 1.9 | C | 0.11 | 0.0086 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-21 | 1.0 | C | 0.11 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-22 | 0.20 | | 0.054 | 0.0090 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-23 | ND | | 0.054 | 0.0088 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-24 | ND | | 0.054 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-25 | 0.44 | | 0.054 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-26 | 0.22 | C | 0.11 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-27 | 0.20 | | 0.054 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-28 | 1.9 | C20 | 0.11 | 0.0086 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-29 | 0.22 | C26 | 0.11 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-30 | 0.53 | C18 | 0.11 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-31 | 0.94 | | 0.11 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-32 | 2.6 | | 0.054 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-33 | 1.0 | C21 | 0.11 | 0.0081 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-34 | 0.012 | J q | 0.054 | 0.0092 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-35 | 0.024 | J | 0.054 | 0.0092 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-36 | ND | | 0.054 | 0.0083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-37 | 0.30 | | 0.054 | 0.0087 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-38 | 0.018 | J | 0.054 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-39 | 0.028 | J | 0.054 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-40 | 4.2 | C | 0.16 | 0.15 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-41 | 4.2 | C40 | 0.16 | 0.15 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-42 | 0.81 | G | 0.16 | 0.16 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-43 | 1.3 | G C | 0.14 | 0.14 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-44 | 41 | C B | 0.16 | 0.14 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-45 | 22 | G C B | 0.16 | 0.16 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-46 | 0.52 | G | 0.19 | 0.19 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-47 | 41 | C44 B | 0.16 | 0.14 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-48 | 0.20 | q G | 0.15 | 0.15 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-49 | 16 | G C B | 0.12 | 0.12 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-50 | 8.3 | G C | 0.15 | 0.15 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-51 | 22 | G C45 B | 0.16 | 0.16 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-52 | 14 | G B | 0.16 | 0.16 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-53 | 8.3 | G C50 | 0.15 | 0.15 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-54 | 2.7 | | 0.054 | 0.0021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-55 | ND | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-56 | 0.87 | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-57 | ND | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-58 | ND | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | 1.2 | C | 0.16 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-60 | 0.19 | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-61 | 7.4 | C B | 0.22 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-62 | 1.2 | C59 | 0.16 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-63 | 0.33 | G | 0.097 | 0.097 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-64 | 1.1 | G | 0.10 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-65 | 41 | C44 B | 0.16 | 0.14 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-66 | 3.6 | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-67 | 0.18 | G | 0.10 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-68 | 0.65 | G | 0.096 | 0.096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-69 | 16 | G C49 B | 0.12 | 0.12 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-70 | 7.4 | C61 B | 0.22 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-71 | 4.2 | C40 | 0.16 | 0.15 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-72 | 0.24 | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-73 | 1.3 | G C43 | 0.14 | 0.14 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-74 | 7.4 | C61 B | 0.22 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-75 | 1.2 | C59 | 0.16 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-76 | 7.4 | C61 B | 0.22 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-77 | 0.27 | G | 0.10 | 0.10 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-78 | ND | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-79 | 0.22 | G | 0.092 | 0.092 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-80 | ND | G | 0.096 | 0.096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-81 | ND | G | 0.11 | 0.11 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-82 | 2.1 | | 0.054 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-83 | 18 | C | 0.11 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-84 | 5.8 | B | 0.054 | 0.0032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-85 | 4.3 | C B | 0.16 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-86 | 15 | C | 0.32 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-87 | 15 | C86 | 0.32 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-88 | 11 | C | 0.11 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-89 | ND | | 0.054 | 0.0031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-90 | 36 | C B | 0.16 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-91 | 11 | C88 | 0.11 | 0.0027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-92 | 8.8 | | 0.054 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-93 | 9.0 | C | 0.11 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-94 | 2.5 | | 0.054 | 0.0030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-95 | 23 | | 0.054 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-96 | 1.5 | | 0.054 | 0.0022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-97 | 15 | C86 | 0.32 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-98 | 2.3 | C | 0.11 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-99 | 18 | C83 | 0.11 | 0.0029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-100 | 9.0 | C93 | 0.11 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-101 | 36 | C90 B | 0.16 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-102 | 2.3 | C98 | 0.11 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-103 | 3.1 | | 0.054 | 0.0026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-104 | 0.62 | | 0.054 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-105 | 4.9 | | 0.054 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-106 | ND | | 0.054 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-107 | 1.7 | | 0.054 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-108 | 0.58 | C | 0.11 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-109 | 15 | C86 | 0.32 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-110 | 25 | C | 0.11 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-111 | 0.21 | | 0.054 | 0.0019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-112 | ND | | 0.054 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-113 | 36 | C90 B | 0.16 | 0.0024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-114 | 0.34 | | 0.054 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-115 | 25 | C110 | 0.11 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-116 | 4.3 | C85 B | 0.16 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-117 | 4.3 | C85 B | 0.16 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-118 | 15 | B | 0.054 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-119 | 15 | C86 | 0.32 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-120 | 0.40 | | 0.054 | 0.0018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-121 | 0.27 | | 0.054 | 0.0020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-122 | 0.18 | | 0.054 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-123 | 0.16 | q | 0.054 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-124 | 0.58 | C108 | 0.11 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-125 | 15 | C86 | 0.32 | 0.0023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-126 | 0.046 | J | 0.054 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-127 | 0.046 | J | 0.054 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-128 | 3.3 | C B | 0.11 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-129 | 31 | C B | 0.22 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-130 | 2.1 | | 0.054 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-131 | 0.36 | | 0.054 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-132 | 10 | | 0.054 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-133 | 1.8 | | 0.054 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-134 | 2.4 | C | 0.11 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-135 | 18 | C B | 0.11 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-136 | 6.2 | B | 0.054 | 0.00086 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-137 | 0.95 | | 0.054 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-138 | 31 | C129 B | 0.22 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-139 | 0.85 | C | 0.11 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-140 | 0.85 | C139 | 0.11 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-141 | 5.1 | | 0.054 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-142 | ND | | 0.054 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-143 | 2.4 | C134 | 0.11 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-144 | 1.4 | | 0.054 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-145 | ND | | 0.054 | 0.00083 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-146 | 9.0 | B | 0.054 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-147 | 37 | C B | 0.11 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-148 | 0.74 | | 0.054 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-149 | 37 | C147 B | 0.11 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-150 | 0.85 | | 0.054 | 0.00080 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-151 | 18 | C135 B | 0.11 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-152 | 0.83 | | 0.054 | 0.00079 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-153 | 29 | C B | 0.11 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-154 | 2.7 | | 0.054 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-155 | 0.081 | | 0.054 | 0.00076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-156 | 2.8 | C | 0.11 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-157 | 2.8 | C156 | 0.11 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-158 | 2.6 | | 0.054 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-159 | 0.40 | | 0.054 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-160 | 31 | C129 B | 0.22 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-161 | 0.018 | J q | 0.054 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-162 | 0.083 | | 0.054 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-163 | 31 | C129 B | 0.22 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-164 | 2.4 | | 0.054 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-165 | 0.26 | | 0.054 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-166 | 3.3 | C128 B | 0.11 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-167 | 0.98 | | 0.054 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-168 | 29 | C153 B | 0.11 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-169 | ND | | 0.054 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-170 | 11 | B | 0.054 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-171 | 3.4 | C | 0.11 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-172 | 1.9 | | 0.054 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-173 | 3.4 | C171 | 0.11 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-174 | 10 | B | 0.054 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-175 | 0.44 | | 0.054 | 0.0010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-176 | 1.4 | | 0.054 | 0.00071 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-177 | 7.3 | B | 0.054 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-178 | 3.3 | | 0.054 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-179 | 5.9 | | 0.054 | 0.00077 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-180 | 23 | C B | 0.11 | 0.00088 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-181 | 0.12 | | 0.054 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-182 | 0.21 | | 0.054 | 0.00095 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-183 | 6.9 | C B | 0.11 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-184 | ND | | 0.054 | 0.00077 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-185 | 6.9 | C183 B | 0.11 | 0.00096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-186 | ND | | 0.054 | 0.00076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-187 | 15 | B | 0.054 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-188 | 0.20 | | 0.054 | 0.00070 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-189 | 0.44 | | 0.054 | 0.0039 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-190 | 2.2 | B | 0.054 | 0.00079 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-191 | 0.49 | | 0.054 | 0.00078 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-192 | ND | | 0.054 | 0.00084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-193 | 23 | C180 B | 0.11 | 0.00088 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-194 | 6.1 | | 0.054 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-195 | 2.8 | | 0.054 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-196 | 3.1 | | 0.054 | 0.00092 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-197 | 0.24 | | 0.054 | 0.00067 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-198 | 5.9 | C B | 0.11 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-199 | 5.9 | C198 B | 0.11 | 0.00098 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-200 | 0.75 | | 0.054 | 0.00072 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-201 | 0.76 | | 0.054 | 0.00068 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-202 | 1.2 | | 0.054 | 0.00077 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-203 | 3.8 | | 0.054 | 0.00087 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-204 | ND | | 0.054 | 0.00073 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-205 | 0.31 | | 0.054 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-206 | 1.9 | | 0.054 | 0.0084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-207 | 0.23 | | 0.054 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-208 | 0.44 | | 0.054 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| PCB-209 | 0.51 | | 0.054 | 0.0012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Monochlorobiphenyls | 0.78 | | 0.054 | 0.0028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Dichlorobiphenyls | 1.7 | q B | 0.11 | 0.0034 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Trichlorobiphenyls | 11 | q | 0.11 | 0.0066 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Tetrachlorobiphenyls | 130 | q B | 0.22 | 0.12 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Pentachlorobiphenyls | 190 | q B | 0.32 | 0.0084 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Hexachlorobiphenyls | 170 | q B | 0.22 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Heptachlorobiphenyls | 93 | B | 0.11 | 0.0011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Octachlorobiphenyls | 25 | B | 0.11 | 0.0039 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Total Nonachlorobiphenyls | 2.6 | | 0.054 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |
| Polychlorinated biphenyls, Total | 630 | q B | 0.32 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 04:59 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *57* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-3L* | *63* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-4L* | *70* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-15L* | *96* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-19L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-37L* | *95* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-54L* | *73* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-77L* | *99* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-81L* | *93* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-104L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-105L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-114L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-118L* | *86* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-123L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-126L* | *92* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-155L* | *107* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-156L* | *88* | *C* | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-157L* | *88* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-167L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-169L* | *99* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-170L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-188L* | *87* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-189L* | *89* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-202L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-205L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-206L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-208L* | *88* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-209L* | *81* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *81* | | *40 - 125* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-111L* | *98* | | *40 - 125* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |
| *PCB-178L* | *87* | | *40 - 125* | *09/17/19 12:25* | *10/04/19 04:59* | *5* |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 1.6 | | 0.053 | 0.0025 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-2 | 0.22 | | 0.053 | 0.0026 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-3 | 0.68 | | 0.053 | 0.0026 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-4 | 0.86 | | 0.11 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-5 | 0.039 | J | 0.053 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-6 | 0.31 | | 0.053 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-7 | 0.083 | | 0.053 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-8 | 1.1 | | 0.11 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-9 | 0.12 | | 0.053 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-10 | 0.048 | J | 0.053 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-11 | 0.15 | B | 0.11 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-12 | 0.14 | C | 0.11 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-13 | 0.14 | C12 | 0.11 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-14 | ND | | 0.053 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-15 | 0.56 | | 0.053 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-16 | 0.46 | | 0.053 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-17 | 1.4 | B | 0.053 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-18 | 1.1 | C B | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-19 | 1.1 | | 0.053 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-20 | 3.2 | C B | 0.11 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-21 | 1.4 | C B | 0.11 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-22 | 0.48 | B | 0.053 | 0.018 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-23 | ND | | 0.053 | 0.018 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-24 | 0.016 | J | 0.053 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-25 | 0.52 | | 0.053 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-26 | 0.39 | C B | 0.11 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-27 | 0.26 | | 0.053 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-28 | 3.2 | B C20 | 0.11 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-29 | 0.39 | C26 B | 0.11 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-30 | 1.1 | C18 B | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-31 | 1.9 | B | 0.11 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-32 | 3.0 | | 0.053 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-33 | 1.4 | B C21 | 0.11 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-34 | 0.021 | J | 0.053 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-35 | 0.085 | | 0.053 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-36 | ND | | 0.053 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-37 | 0.82 | B | 0.053 | 0.018 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-38 | ND | | 0.053 | 0.017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-39 | 0.036 | J | 0.053 | 0.016 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-40 | 6.0 | C | 0.16 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-41 | 6.0 | C40 | 0.16 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-42 | 1.5 | | 0.053 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-43 | 1.7 | C | 0.11 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-44 | 56 | C B | 0.16 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-45 | 27 | C B | 0.11 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-46 | 0.72 | | 0.053 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-47 | 56 | B C44 | 0.16 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-48 | 0.55 | | 0.053 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-49 | 22 | C B | 0.11 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | 11 | C | 0.11 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-51 | 27 | C45 B | 0.11 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-52 | 35 | B | 0.053 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-53 | 11 | C50 | 0.11 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-54 | 3.2 | | 0.053 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-55 | 0.042 | J | 0.053 | 0.0090 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-56 | 2.0 | | 0.053 | 0.0092 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-57 | ND | | 0.053 | 0.0091 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-58 | ND | | 0.053 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-59 | 1.5 | C | 0.16 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-60 | 0.64 | | 0.053 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-61 | 21 | C B | 0.21 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-62 | 1.5 | C59 | 0.16 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-63 | 0.50 | | 0.053 | 0.0080 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-64 | 2.9 | | 0.053 | 0.0082 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-65 | 56 | B C44 | 0.16 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-66 | 6.8 | B | 0.053 | 0.0091 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-67 | 0.30 | | 0.053 | 0.0084 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-68 | 0.67 | B | 0.053 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-69 | 22 | B C49 | 0.11 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-70 | 21 | C61 B | 0.21 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-71 | 6.0 | C40 | 0.16 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-72 | 0.30 | | 0.053 | 0.0089 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-73 | 1.7 | C43 | 0.11 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-74 | 21 | C61 B | 0.21 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-75 | 1.5 | C59 | 0.16 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-76 | 21 | C61 B | 0.21 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-77 | 1.4 | | 0.053 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-78 | ND | | 0.053 | 0.0089 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-79 | 0.39 | | 0.053 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-80 | ND | | 0.053 | 0.0080 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-81 | 0.046 | J q | 0.053 | 0.0091 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-82 | 5.8 | B | 0.053 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-83 | 34 | C B | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-84 | 16 | B | 0.053 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-85 | 9.1 | C | 0.16 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-86 | 38 | C B | 0.32 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-87 | 38 | B C86 | 0.32 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-88 | 16 | C B | 0.11 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-89 | 0.41 | | 0.053 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-90 | 69 | C B | 0.16 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-91 | 16 | C88 B | 0.11 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-92 | 15 | B | 0.053 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-93 | 11 | C | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-94 | 2.9 | | 0.053 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-95 | 51 | B | 0.053 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-96 | 1.9 | | 0.053 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-97 | 38 | B C86 | 0.32 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-98 | 3.2 | C | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-99 | 34 | C83 B | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-100 | 11 | C93 | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-101 | 69 | B C90 | 0.16 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-102 | 3.2 | C98 | 0.11 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-103 | 3.6 | | 0.053 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-104 | 0.74 | | 0.053 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-105 | 16 | B | 0.053 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-106 | ND | | 0.053 | 0.046 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-107 | 3.7 | B | 0.053 | 0.043 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-108 | 2.0 | C | 0.11 | 0.047 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-109 | 38 | B C86 | 0.32 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-110 | 59 | C B | 0.11 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-111 | 0.25 | | 0.053 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-112 | ND | | 0.053 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-113 | 69 | B C90 | 0.16 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-114 | 0.95 | | 0.053 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-115 | 59 | B C110 | 0.11 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-116 | 9.1 | C85 | 0.16 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-117 | 9.1 | C85 | 0.16 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-118 | 43 | B | 0.053 | 0.044 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-119 | 38 | B C86 | 0.32 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-120 | 0.40 | | 0.053 | 0.00097 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-121 | 0.30 | | 0.053 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-122 | 0.54 | B | 0.053 | 0.050 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-123 | 0.62 | | 0.053 | 0.043 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-124 | 2.0 | C108 | 0.11 | 0.047 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-125 | 38 | B C86 | 0.32 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-126 | 0.25 | | 0.053 | 0.045 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-127 | ND | | 0.053 | 0.045 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-128 | 9.2 | C B | 0.11 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-129 | 58 | C B | 0.21 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-130 | 4.3 | B | 0.053 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-131 | 0.95 | | 0.053 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-132 | 21 | B | 0.053 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-133 | 2.4 | | 0.053 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-134 | 4.4 | C | 0.11 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-135 | 26 | C B | 0.11 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-136 | 10 | B | 0.053 | 0.00075 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-137 | 2.7 | | 0.053 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-138 | 58 | B C129 | 0.21 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-139 | 1.5 | C | 0.11 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-140 | 1.5 | C139 | 0.11 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-141 | 9.9 | B | 0.053 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-142 | ND | | 0.053 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-143 | 4.4 | C134 | 0.11 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-144 | 2.6 | | 0.053 | 0.00095 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-145 | 0.037 | J q | 0.053 | 0.00073 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-146 | 12 | B | 0.053 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-147 | 55 | C B | 0.11 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**

**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-148 | 0.85 | | 0.053 | 0.00097 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-149 | 55 | B C147 | 0.11 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-150 | 1.0 | | 0.053 | 0.00071 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-151 | 26 | C135 B | 0.11 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-152 | 1.0 | | 0.053 | 0.00069 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-153 | 45 | C B | 0.11 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-154 | 3.0 | | 0.053 | 0.00086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-155 | 0.096 | | 0.053 | 0.00067 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-156 | 7.1 | C B | 0.11 | 0.0098 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-157 | 7.1 | C156 B | 0.11 | 0.0098 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-158 | 6.0 | B | 0.053 | 0.0077 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-159 | 0.42 | | 0.053 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-160 | 58 | B C129 | 0.21 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-161 | ND | | 0.053 | 0.0080 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-162 | ND | | 0.053 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-163 | 58 | B C129 | 0.21 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-164 | 4.2 | B | 0.053 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-165 | 0.32 | | 0.053 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-166 | 9.2 | C128 B | 0.11 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-167 | 2.2 | B | 0.053 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-168 | 45 | B C153 | 0.11 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-169 | ND | | 0.053 | 0.0072 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-170 | 14 | B | 0.053 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-171 | 4.9 | C B | 0.11 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-172 | 2.4 | B | 0.053 | 0.00046 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-173 | 4.9 | C171 B | 0.11 | 0.00047 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-174 | 14 | B | 0.053 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-175 | 0.60 | | 0.053 | 0.00043 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-176 | 1.8 | B | 0.053 | 0.00030 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-177 | 9.7 | B | 0.053 | 0.00048 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-178 | 4.2 | B | 0.053 | 0.00044 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-179 | 7.2 | B | 0.053 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-180 | 29 | C B | 0.11 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-181 | 0.20 | | 0.053 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-182 | 0.27 | | 0.053 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-183 | 9.0 | C B | 0.11 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-184 | ND | | 0.053 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-185 | 9.0 | B C183 | 0.11 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-186 | ND | | 0.053 | 0.00032 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-187 | 18 | B | 0.053 | 0.00041 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-188 | 0.29 | | 0.053 | 0.00030 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-189 | 0.61 | B | 0.053 | 0.0040 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-190 | 2.8 | B | 0.053 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-191 | 0.65 | | 0.053 | 0.00033 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-192 | ND | | 0.053 | 0.00035 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-193 | 29 | C180 B | 0.11 | 0.00037 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-194 | 7.1 | B | 0.053 | 0.0054 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-195 | 3.3 | B | 0.053 | 0.0064 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-196 | 3.4 | B | 0.053 | 0.00038 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |

## Client Sample ID: J5-SC1b-00to10-82719
## Lab Sample ID: 580-88908-35

**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-197** | **0.25** | **B** | 0.053 | 0.00027 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-198** | **6.4** | **C B** | 0.11 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-199** | **6.4** | **C198 B** | 0.11 | 0.00040 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-200** | **0.81** | | 0.053 | 0.00029 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-201** | **0.83** | **B** | 0.053 | 0.00028 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-202** | **1.4** | **B** | 0.053 | 0.00031 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-203** | **4.2** | | 0.053 | 0.00036 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| PCB-204 | ND | | 0.053 | 0.00030 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-205** | **0.37** | | 0.053 | 0.0041 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-206** | **2.0** | | 0.053 | 0.0093 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-207** | **0.28** | | 0.053 | 0.0065 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-208** | **0.48** | | 0.053 | 0.0067 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **PCB-209** | **0.50** | | 0.053 | 0.00085 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Monochlorobiphenyls** | **2.5** | | 0.053 | 0.0026 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Dichlorobiphenyls** | **3.4** | **B** | 0.11 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Trichlorobiphenyls** | **16** | **B** | 0.11 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Tetrachlorobiphenyls** | **200** | **B q** | 0.21 | 0.0097 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Pentachlorobiphenyls** | **400** | **B** | 0.32 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Hexachlorobiphenyls** | **290** | **B q** | 0.21 | 0.0074 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Heptachlorobiphenyls** | **120** | **B** | 0.11 | 0.00056 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Octachlorobiphenyls** | **28** | **B** | 0.11 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Total Nonachlorobiphenyls** | **2.8** | | 0.053 | 0.0075 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |
| **Polychlorinated biphenyls, Total** | **1100** | **B q** | 0.32 | 0.0063 | ng/g | ☼ | 10/03/19 11:21 | 10/11/19 16:00 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-3L* | *67* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-4L* | *74* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-15L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-19L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-37L* | *91* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-54L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-77L* | *92* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-81L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-104L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-105L* | *85* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-114L* | *81* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-118L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-123L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-126L* | *93* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-155L* | *102* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-156L* | *85* | *C* | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-157L* | *85* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-167L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-169L* | *98* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-170L* | *82* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-188L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-189L* | *101* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-202L* | *89* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-205L* | *82* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**
**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-206L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-208L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-209L* | *69* | | *30 - 140* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *82* | | *40 - 125* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-111L* | *94* | | *40 - 125* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |
| *PCB-178L* | *91* | | *40 - 125* | *10/03/19 11:21* | *10/11/19 16:00* | *5* |

## Client Sample ID: J5-SC1b-10to20-82719
**Lab Sample ID: 580-88908-36**
**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

### General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | **50.7** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |
| **Percent Solids** | **49.3** | | 0.1 | | % | | | 09/11/19 15:55 | 1 |

## Client Sample ID: J5-SC1b-10to20-82719
**Lab Sample ID: 580-88908-36**
**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **1.5** | | 0.25 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-2** | **0.097** | **J q** | 0.25 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-3** | **0.66** | | 0.25 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-4** | **0.87** | | 0.50 | 0.033 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-5 | ND | | 0.25 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-6** | **0.57** | | 0.25 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-7** | **0.17** | **J** | 0.25 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-8** | **1.9** | | 0.50 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-9** | **0.21** | **J** | 0.25 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-10** | **0.058** | **J q** | 0.25 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-11** | **0.18** | **J B** | 0.50 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-12** | **0.23** | **J C** | 0.50 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-13** | **0.23** | **J C12** | 0.50 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-14 | ND | | 0.25 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-15** | **0.81** | | 0.25 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-16** | **0.96** | | 0.25 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-17** | **1.5** | | 0.25 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-18** | **2.2** | **C** | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-19** | **0.24** | **J q** | 0.25 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-20** | **4.9** | **C** | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-21** | **2.1** | **C** | 0.50 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-22** | **0.94** | | 0.25 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-23 | ND | | 0.25 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-24** | **0.044** | **J** | 0.25 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-25** | **0.57** | | 0.25 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-26** | **0.82** | **C** | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-27** | **0.20** | **J** | 0.25 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |

## Client Sample ID: J5-SC1b-10to20-82719
## Lab Sample ID: 580-88908-36

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-28 | 4.9 | C20 | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-29 | 0.82 | C26 | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-30 | 2.2 | C18 | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-31 | 3.3 | | 0.50 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-32 | 1.1 | | 0.25 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-33 | 2.1 | C21 | 0.50 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-34 | 0.065 | J | 0.25 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-35 | 0.11 | J | 0.25 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-36 | ND | | 0.25 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-37 | 1.1 | | 0.25 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-38 | ND | | 0.25 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-39 | 0.16 | J | 0.25 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-40 | 5.7 | C | 0.75 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-41 | 5.7 | C40 | 0.75 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-42 | 3.8 | | 0.25 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-43 | ND | C | 0.50 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-44 | 24 | C B | 0.75 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-45 | 2.2 | C B | 0.50 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-46 | 0.53 | | 0.25 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-47 | 24 | C44 B | 0.75 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-48 | 1.1 | | 0.25 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-49 | 18 | C B | 0.50 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-50 | 2.4 | C | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-51 | 2.2 | C45 B | 0.50 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-52 | 46 | B | 0.25 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-53 | 2.4 | C50 | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-54 | 0.12 | J | 0.25 | 0.0037 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-55 | ND | | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-56 | 4.2 | | 0.25 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-57 | ND | | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-58 | 0.15 | J q | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-59 | 0.91 | C | 0.75 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-60 | 0.81 | | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-61 | 35 | C B | 1.0 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-62 | 0.91 | C59 | 0.75 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-63 | 0.57 | | 0.25 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-64 | 5.6 | | 0.25 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-65 | 24 | C44 B | 0.75 | 0.023 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-66 | 16 | | 0.25 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-67 | 0.24 | J q | 0.25 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-68 | 0.57 | | 0.25 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-69 | 18 | C49 B | 0.50 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-70 | 35 | C61 B | 1.0 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-71 | 5.7 | C40 | 0.75 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-72 | 1.1 | | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-73 | ND | C43 | 0.50 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-74 | 35 | C61 B | 1.0 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-75 | 0.91 | C59 | 0.75 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-76 | 35 | C61 B | 1.0 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |

## Client Sample ID: J5-SC1b-10to20-82719
## Lab Sample ID: 580-88908-36

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-77** | **1.3** | | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-78 | ND | | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-79** | **1.1** | | 0.25 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-80 | ND | | 0.25 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-81** | **1.2** | | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-82** | **8.0** | | 0.25 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-83** | **50** | **C** | 0.50 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-84** | **22** | **B** | 0.25 | 0.015 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-85** | **11** | **C B** | 0.75 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-86** | **49** | **C** | 1.5 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-87** | **49** | **C86** | 1.5 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-88** | **12** | **C** | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-89** | **0.58** | | 0.25 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-90** | **86** | **C B** | 0.75 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-91** | **12** | **C88** | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-92** | **18** | | 0.25 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-93** | **1.5** | **C** | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-94** | **0.39** | **q** | 0.25 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-95** | **69** | | 0.25 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-96** | **0.53** | | 0.25 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-97** | **49** | **C86** | 1.5 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-98** | **2.9** | **C** | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-99** | **50** | **C83** | 0.50 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-100** | **1.5** | **C93** | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-101** | **86** | **C90 B** | 0.75 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-102** | **2.9** | **C98** | 0.50 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-103** | **1.7** | | 0.25 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-104 | ND | | 0.25 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-105** | **19** | | 0.25 | 0.057 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-106 | ND | | 0.25 | 0.056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-107** | **5.1** | | 0.25 | 0.052 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-108** | **2.3** | **C** | 0.50 | 0.056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-109** | **49** | **C86** | 1.5 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-110** | **92** | **C** | 0.50 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-111 | ND | | 0.25 | 0.0089 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-112 | ND | | 0.25 | 0.0093 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-113** | **86** | **C90 B** | 0.75 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-114** | **1.2** | | 0.25 | 0.050 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-115** | **92** | **C110** | 0.50 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-116** | **11** | **C85 B** | 0.75 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-117** | **11** | **C85 B** | 0.75 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-118** | **60** | **B** | 0.25 | 0.051 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-119** | **49** | **C86** | 1.5 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-120** | **0.81** | | 0.25 | 0.0085 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-121 | ND | | 0.25 | 0.0091 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-122** | **0.77** | | 0.25 | 0.061 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-123** | **0.79** | | 0.25 | 0.054 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-124** | **2.3** | **C108** | 0.50 | 0.056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| **PCB-125** | **49** | **C86** | 1.5 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |

## Client Sample ID: J5-SC1b-10to20-82719
## Lab Sample ID: 580-88908-36

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-126 | 0.067 | J | 0.25 | 0.054 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-127 | 0.16 | J | 0.25 | 0.055 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-128 | 12 | C B | 0.50 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-129 | 69 | C B | 1.0 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-130 | 5.3 | | 0.25 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-131 | 1.1 | | 0.25 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-132 | 25 | | 0.25 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-133 | 1.5 | | 0.25 | 0.029 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-134 | 4.6 | C | 0.50 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-135 | 24 | C B | 0.50 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-136 | 11 | B | 0.25 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-137 | 3.4 | | 0.25 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-138 | 69 | C129 B | 1.0 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-139 | 1.7 | C | 0.50 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-140 | 1.7 | C139 | 0.50 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-141 | 11 | | 0.25 | 0.028 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-142 | ND | | 0.25 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-143 | 4.6 | C134 | 0.50 | 0.031 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-144 | 2.9 | | 0.25 | 0.0076 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-145 | 0.071 | J q | 0.25 | 0.0058 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-146 | 13 | B | 0.25 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-147 | 58 | C B | 0.50 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-148 | 0.36 | | 0.25 | 0.0077 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-149 | 58 | C147 B | 0.50 | 0.027 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-150 | 0.36 | | 0.25 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-151 | 24 | C135 B | 0.50 | 0.0080 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-152 | 0.089 | J | 0.25 | 0.0055 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-153 | 55 | C B | 0.50 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-154 | 2.3 | | 0.25 | 0.0068 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-155 | 0.018 | J | 0.25 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-156 | 9.0 | C | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-157 | 9.0 | C156 | 0.50 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-158 | 6.9 | | 0.25 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-159 | 0.53 | | 0.25 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-160 | 69 | C129 B | 1.0 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-161 | ND | | 0.25 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-162 | 0.27 | | 0.25 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-163 | 69 | C129 B | 1.0 | 0.025 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-164 | 5.1 | | 0.25 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-165 | ND | | 0.25 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-166 | 12 | C128 B | 0.50 | 0.024 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-167 | 2.8 | | 0.25 | 0.017 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-168 | 55 | C153 B | 0.50 | 0.022 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-169 | 0.073 | J | 0.25 | 0.018 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-170 | 13 | B | 0.25 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-171 | 4.7 | C | 0.50 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-172 | 2.4 | | 0.25 | 0.0061 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-173 | 4.7 | C171 | 0.50 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-174 | 14 | B | 0.25 | 0.0063 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |

## Client Sample ID: J5-SC1b-10to20-82719
**Lab Sample ID: 580-88908-36**

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-175 | 0.62 | | 0.25 | 0.0056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-176 | 1.7 | | 0.25 | 0.0040 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-177 | 8.6 | B | 0.25 | 0.0064 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-178 | 3.0 | | 0.25 | 0.0059 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-179 | 5.8 | | 0.25 | 0.0043 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-180 | 27 | C B | 0.50 | 0.0049 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-181 | 0.18 | J q | 0.25 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-182 | 0.18 | J | 0.25 | 0.0052 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-183 | 8.7 | C B | 0.50 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-184 | ND | | 0.25 | 0.0042 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-185 | 8.7 | C183 B | 0.50 | 0.0053 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-186 | ND | | 0.25 | 0.0042 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-187 | 16 | B | 0.25 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-188 | 0.067 | J | 0.25 | 0.0038 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-189 | 0.51 | | 0.25 | 0.0096 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-190 | 2.6 | B | 0.25 | 0.0044 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-191 | 0.61 | | 0.25 | 0.0043 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-192 | ND | | 0.25 | 0.0047 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-193 | 27 | C180 B | 0.50 | 0.0049 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-194 | 5.2 | | 0.25 | 0.047 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-195 | 2.3 | | 0.25 | 0.056 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-196 | 2.8 | | 0.25 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-197 | 0.15 | J q | 0.25 | 0.0094 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-198 | 6.0 | C B | 0.50 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-199 | 6.0 | C198 B | 0.50 | 0.014 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-200 | 0.79 | | 0.25 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-201 | 0.75 | | 0.25 | 0.0095 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-202 | 1.2 | | 0.25 | 0.011 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-203 | 3.6 | | 0.25 | 0.012 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-204 | ND | | 0.25 | 0.010 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-205 | 0.25 | q | 0.25 | 0.035 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-206 | 2.9 | q | 0.25 | 0.041 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-207 | 0.28 | | 0.25 | 0.030 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-208 | 0.63 | | 0.25 | 0.032 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-209 | 1.6 | | 0.25 | 0.0060 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Monochlorobiphenyls | 2.3 | q | 0.25 | 0.013 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Dichlorobiphenyls | 5.0 | q B | 0.50 | 0.016 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Trichlorobiphenyls | 20 | q | 0.50 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Tetrachlorobiphenyls | 170 | q B | 1.0 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Pentachlorobiphenyls | 510 | q B | 1.5 | 0.026 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Hexachlorobiphenyls | 330 | q B | 1.0 | 0.020 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Heptachlorobiphenyls | 110 | q B | 0.50 | 0.0054 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Octachlorobiphenyls | 23 | q B | 0.50 | 0.021 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Total Nonachlorobiphenyls | 3.8 | q | 0.25 | 0.034 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| Polychlorinated biphenyls, Total | 1200 | q B | 1.5 | 0.019 | ng/g | ☼ | 09/17/19 12:25 | 10/04/19 06:01 | 5 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *58* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 06:01* | *5* |
| *PCB-3L* | *62* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 06:01* | *5* |
| *PCB-4L* | *73* | | *30 - 140* | *09/17/19 12:25* | *10/04/19 06:01* | *5* |

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**Lab Sample ID: 580-88908-36**

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-15L | 82 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-19L | 71 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-37L | 89 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-54L | 74 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-77L | 88 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-81L | 85 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-104L | 83 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-105L | 79 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-114L | 79 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-118L | 82 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-123L | 80 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-126L | 88 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-155L | 96 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-156L | 84 | C | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-157L | 84 | C156 | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-167L | 82 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-169L | 96 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-170L | 77 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-188L | 77 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-189L | 83 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-202L | 89 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-205L | 77 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-206L | 76 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-208L | 82 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-209L | 75 | | 30 - 140 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 79 | | 40 - 125 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-111L | 91 | | 40 - 125 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |
| PCB-178L | 87 | | 40 - 125 | 09/17/19 12:25 | 10/04/19 06:01 | 5 |

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **2.0** | | 0.049 | 0.0053 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-2** | **0.18** | | 0.049 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-3** | **0.89** | | 0.049 | 0.0057 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-4** | **0.81** | | 0.097 | 0.0035 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-5** | **0.067** | | 0.049 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-6** | **0.56** | | 0.049 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-7** | **0.16** | | 0.049 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-8** | **1.8** | | 0.097 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-9** | **0.20** | | 0.049 | 0.0024 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-10** | **0.056** | | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-11** | **0.13** | **B** | 0.097 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-12** | **0.26** | **C** | 0.097 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-13** | **0.26** | **C12** | 0.097 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-14 | ND | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-15** | **0.83** | | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-16** | **0.91** | | 0.049 | 0.0025 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-17** | **1.4** | **B** | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |

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**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 2.0 | C B | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-19 | 0.25 | | 0.049 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-20 | 5.0 | C B | 0.097 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-21 | 2.0 | C B | 0.097 | 0.026 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-22 | 0.93 | B | 0.049 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-23 | ND | | 0.049 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-24 | 0.028 | J | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-25 | 0.57 | | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-26 | 0.83 | C B | 0.097 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-27 | 0.18 | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-28 | 5.0 | C20 B | 0.097 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-29 | 0.83 | C26 B | 0.097 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-30 | 2.0 | C18 B | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-31 | 3.3 | B | 0.097 | 0.026 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-32 | 1.0 | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-33 | 2.0 | C21 B | 0.097 | 0.026 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-34 | 0.074 | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-35 | 0.11 | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-36 | ND | | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-37 | 1.2 | B | 0.049 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-38 | ND | | 0.049 | 0.028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-39 | 0.16 | | 0.049 | 0.026 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-40 | 5.8 | C | 0.15 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-41 | 5.8 | C40 | 0.15 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-42 | 3.9 | | 0.049 | 0.013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-43 | 0.42 | C | 0.097 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-44 | 21 | C B | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-45 | 2.1 | C B | 0.097 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-46 | 0.53 | | 0.049 | 0.014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-47 | 21 | C44 B | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-48 | 1.1 | | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-49 | 17 | C B | 0.097 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-50 | 2.3 | C | 0.097 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-51 | 2.1 | C45 B | 0.097 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-52 | 37 | B | 0.049 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-53 | 2.3 | C50 | 0.097 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-54 | 0.12 | | 0.049 | 0.0010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-55 | 0.11 | | 0.049 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-56 | 4.0 | | 0.049 | 0.0087 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-57 | ND | | 0.049 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-58 | 0.22 | | 0.049 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-59 | 0.94 | C | 0.15 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-60 | 0.59 | | 0.049 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-61 | 29 | C B | 0.19 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-62 | 0.94 | C59 | 0.15 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-63 | 0.58 | | 0.049 | 0.0075 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-64 | 5.1 | | 0.049 | 0.0077 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-65 | 21 | C44 B | 0.15 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-66 | 16 | B | 0.049 | 0.0086 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |

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## Lab Sample ID: 580-88908-36

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**Matrix: Solid**
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**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-67 | 0.27 | | 0.049 | 0.0079 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-68 | 0.59 | B | 0.049 | 0.0074 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-69 | 17 | C49 B | 0.097 | 0.0096 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-70 | 29 | C61 B | 0.19 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-71 | 5.8 | C40 | 0.15 | 0.012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-72 | 1.1 | | 0.049 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-73 | 0.42 | C43 | 0.097 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-74 | 29 | C61 B | 0.19 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-75 | 0.94 | C59 | 0.15 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-76 | 29 | C61 B | 0.19 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-77 | 1.3 | | 0.049 | 0.0080 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-78 | ND | | 0.049 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-79 | 0.77 | | 0.049 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-80 | ND | | 0.049 | 0.0075 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-81 | 0.044 | J | 0.049 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-82 | 5.0 | B | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-83 | 36 | C B | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-84 | 17 | B | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-85 | 7.3 | C | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-86 | 33 | C B | 0.29 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-87 | 33 | C86 B | 0.29 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-88 | 10 | C B | 0.097 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-89 | 0.44 | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-90 | 61 | C B | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-91 | 10 | C88 B | 0.097 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-92 | 14 | B | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-93 | 1.3 | C | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-94 | 0.40 | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-95 | 52 | B | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-96 | 0.42 | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-97 | 33 | C86 B | 0.29 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-98 | 2.4 | C | 0.097 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-99 | 36 | C83 B | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-100 | 1.3 | C93 | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-101 | 61 | C90 B | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-102 | 2.4 | C98 | 0.097 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-103 | 1.5 | | 0.049 | 0.0016 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-104 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-105 | 12 | B | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-106 | ND | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-107 | 4.0 | B | 0.049 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-108 | 1.6 | C | 0.097 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-109 | 33 | C86 B | 0.29 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-110 | 61 | C B | 0.097 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-111 | ND | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-112 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-113 | 61 | C90 B | 0.15 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-114 | 0.77 | | 0.049 | 0.027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-115 | 61 | C110 B | 0.097 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |

## Client Sample ID: J5-SC1b-10to20-82719
**Lab Sample ID: 580-88908-36**

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-116 | 7.3 | C85 | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-117 | 7.3 | C85 | 0.15 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-118 | 43 | B | 0.049 | 0.029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-119 | 33 | C86 B | 0.29 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-120 | 0.62 | | 0.049 | 0.0011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-121 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-122 | 0.51 | B | 0.049 | 0.033 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-123 | 0.52 | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-124 | 1.6 | C108 | 0.097 | 0.031 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-125 | 33 | C86 B | 0.29 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-126 | 0.18 | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-127 | ND | | 0.049 | 0.030 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-128 | 8.7 | C B | 0.097 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-129 | 51 | C B | 0.19 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-130 | 4.2 | B | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-131 | 0.85 | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-132 | 20 | B | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-133 | 1.3 | | 0.049 | 0.010 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-134 | 3.7 | C | 0.097 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-135 | 17 | C B | 0.097 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-136 | 7.8 | B | 0.049 | 0.0022 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-137 | 2.4 | | 0.049 | 0.0090 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-138 | 51 | C129 B | 0.19 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-139 | 1.3 | C | 0.097 | 0.0095 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-140 | 1.3 | C139 | 0.097 | 0.0095 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-141 | 8.2 | B | 0.049 | 0.0099 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-142 | ND | | 0.049 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-143 | 3.7 | C134 | 0.097 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-144 | 1.9 | | 0.049 | 0.0027 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-145 | 0.035 | J | 0.049 | 0.0021 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-146 | 11 | B | 0.049 | 0.0094 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-147 | 44 | C B | 0.097 | 0.0098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-148 | 0.26 | | 0.049 | 0.0028 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-149 | 44 | C147 B | 0.097 | 0.0098 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-150 | 0.28 | | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-151 | 17 | C135 B | 0.097 | 0.0029 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-152 | 0.064 | | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-153 | 42 | C B | 0.097 | 0.0078 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-154 | 1.6 | | 0.049 | 0.0025 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-155 | ND | | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-156 | 6.4 | C B | 0.097 | 0.0090 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-157 | 6.4 | C156 B | 0.097 | 0.0090 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-158 | 4.9 | B | 0.049 | 0.0069 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-159 | 0.36 | | 0.049 | 0.0072 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-160 | 51 | C129 B | 0.19 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-161 | ND | | 0.049 | 0.0071 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-162 | ND | | 0.049 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-163 | 51 | C129 B | 0.19 | 0.0088 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-164 | 3.9 | B | 0.049 | 0.0076 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |

## Client Sample ID: J5-SC1b-10to20-82719
## Lab Sample ID: 580-88908-36

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-165 | ND | | 0.049 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-166** | **8.7** | **C128 B** | 0.097 | 0.0085 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-167** | **2.0** | **B** | 0.049 | 0.0059 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-168** | **42** | **C153 B** | 0.097 | 0.0078 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-169 | ND | | 0.049 | 0.0065 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-170** | **9.9** | **B** | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-171** | **3.4** | **C B** | 0.097 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-172** | **1.8** | **B** | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-173** | **3.4** | **C171 B** | 0.097 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-174** | **11** | **B** | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-175** | **0.47** | | 0.049 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-176** | **1.3** | **B** | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-177** | **6.5** | **B** | 0.049 | 0.0020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-178** | **2.3** | **B** | 0.049 | 0.0019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-179** | **4.7** | **B** | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-180** | **20** | **C B** | 0.097 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-181** | **0.14** | | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-182** | **0.15** | | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-183** | **6.7** | **C B** | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-184 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-185** | **6.7** | **C183 B** | 0.097 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-186 | ND | | 0.049 | 0.0013 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-187** | **13** | **B** | 0.049 | 0.0017 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-188 | ND | | 0.049 | 0.0012 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-189** | **0.40** | **B** | 0.049 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-190** | **1.8** | **B** | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-191** | **0.45** | | 0.049 | 0.0014 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-192 | ND | | 0.049 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-193** | **20** | **C180 B** | 0.097 | 0.0015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-194** | **4.7** | **B** | 0.049 | 0.020 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-195** | **2.0** | **B** | 0.049 | 0.024 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-196** | **2.3** | **B** | 0.049 | 0.0046 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-197** | **0.18** | **B** | 0.049 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-198** | **5.0** | **C B** | 0.097 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-199** | **5.0** | **C198 B** | 0.097 | 0.0049 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-200** | **0.60** | | 0.049 | 0.0036 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-201** | **0.64** | **B** | 0.049 | 0.0034 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-202** | **1.0** | **B** | 0.049 | 0.0038 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-203** | **3.0** | | 0.049 | 0.0044 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| PCB-204 | ND | | 0.049 | 0.0037 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-205** | **0.22** | | 0.049 | 0.015 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-206** | **5.3** | **q** | 0.049 | 0.0081 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-207** | **0.24** | | 0.049 | 0.0056 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-208** | **0.61** | | 0.049 | 0.0057 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **PCB-209** | **1.2** | | 0.049 | 0.0026 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Monochlorobiphenyls** | **3.1** | | 0.049 | 0.0055 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Dichlorobiphenyls** | **4.9** | **B** | 0.097 | 0.0023 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Trichlorobiphenyls** | **20** | **q B** | 0.097 | 0.019 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Tetrachlorobiphenyls** | **150** | **B** | 0.19 | 0.0091 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |

## Client Sample ID: J5-SC1b-10to20-82719
**Lab Sample ID: 580-88908-36**

**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) - RE (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total Pentachlorobiphenyls** | **370** | **B** | 0.29 | 0.011 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Hexachlorobiphenyls** | **250** | **B** | 0.19 | 0.0070 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Heptachlorobiphenyls** | **84** | **B** | 0.097 | 0.0018 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Octachlorobiphenyls** | **20** | **B** | 0.097 | 0.0083 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Total Nonachlorobiphenyls** | **6.2** | **q** | 0.049 | 0.0065 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |
| **Polychlorinated biphenyls, Total** | **900** | **q B** | 0.29 | 0.0074 | ng/g | ☼ | 10/03/19 11:21 | 10/09/19 19:50 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *64* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-3L* | *67* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-4L* | *69* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-15L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-19L* | *73* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-37L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-54L* | *75* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-77L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-81L* | *86* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-104L* | *90* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-105L* | *87* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-114L* | *86* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-118L* | *88* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-123L* | *87* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-126L* | *97* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-155L* | *104* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-156L* | *83* | *C* | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-157L* | *83* | *C156* | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-167L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-169L* | *96* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-170L* | *83* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-188L* | *84* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-189L* | *99* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-202L* | *86* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-205L* | *79* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-206L* | *73* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-208L* | *80* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-209L* | *69* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *79* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-111L* | *90* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |
| *PCB-178L* | *92* | | *40 - 125* | *10/03/19 11:21* | *10/09/19 19:50* | *1* |

## Client Sample ID: 711-82719
**Lab Sample ID: 580-88908-74**

**Date Collected: 08/27/19 08:40**
**Matrix: Water**
**Date Received: 09/03/19 15:00**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-1** | **0.0030** | **J B** | 0.040 | 0.00057 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-2 | ND | | 0.040 | 0.00059 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-3** | **0.0025** | **J q B** | 0.040 | 0.00061 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |

## Client Sample ID: 711-82719
**Date Collected: 08/27/19 08:40**
**Date Received: 09/03/19 15:00**

## Lab Sample ID: 580-88908-74
**Matrix: Water**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | ND | | 0.060 | 0.0020 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-5** | **0.0023** | **J q** | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-6 | ND | | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-7 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-8** | **0.0046** | **J q B** | 0.060 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-9 | ND | | 0.040 | 0.0015 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-10 | ND | | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-11** | **0.025** | **J B** | 0.060 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-12** | **0.0045** | **J q C B** | 0.080 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-13** | **0.0045** | **J q C12 B** | 0.080 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-14** | **0.0038** | **J** | 0.040 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-15** | **0.0040** | **J q B** | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-16 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-17** | **0.0036** | **J q B** | 0.040 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-18** | **0.0077** | **J C B** | 0.080 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-19 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-20** | **0.0067** | **J C B** | 0.080 | 0.00078 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-21** | **0.0052** | **J C B** | 0.080 | 0.00074 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-22** | **0.0029** | **J q B** | 0.040 | 0.00082 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-23 | ND | | 0.040 | 0.00080 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-24 | ND | | 0.040 | 0.00078 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-25** | **0.00089** | **J q B** | 0.040 | 0.00075 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-26** | **0.0029** | **J q C B** | 0.080 | 0.00077 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-27** | **0.0021** | **J q B** | 0.040 | 0.00076 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-28** | **0.0067** | **J C20 B** | 0.080 | 0.00078 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-29** | **0.0029** | **J q C26 B** | 0.080 | 0.00077 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-30** | **0.0077** | **J C18 B** | 0.080 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-31** | **0.0046** | **J B** | 0.040 | 0.00074 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-32** | **0.0047** | **J B** | 0.040 | 0.00070 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-33** | **0.0052** | **J C21 B** | 0.080 | 0.00074 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-34 | ND | | 0.040 | 0.00084 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-35 | ND | | 0.040 | 0.00083 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-36 | ND | | 0.040 | 0.00075 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-37** | **0.0016** | **J q B** | 0.040 | 0.00079 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-38 | ND | | 0.040 | 0.00077 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-39 | ND | | 0.040 | 0.00073 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-40 | ND | C | 0.12 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-41 | ND | C40 | 0.12 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-42 | ND | | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-43 | ND | C | 0.080 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-44** | **0.018** | **J C B** | 0.12 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-45 | ND | C | 0.080 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-46 | ND | | 0.040 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-47** | **0.018** | **J C44 B** | 0.12 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-48 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-49** | **0.0067** | **J C B** | 0.080 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-50** | **0.0038** | **J C B** | 0.080 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-51 | ND | C45 | 0.080 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-52** | **0.0086** | **J B** | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |

## Client Sample ID: 711-82719
**Date Collected: 08/27/19 08:40**
**Date Received: 09/03/19 15:00**

## Lab Sample ID: 580-88908-74
**Matrix: Water**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-53** | **0.0038** | **J C50 B** | 0.080 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-54 | ND | | 0.040 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-55 | ND | | 0.040 | 0.00092 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-56** | **0.0022** | **J q B** | 0.040 | 0.00094 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-57 | ND | | 0.040 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-58 | ND | | 0.040 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-59 | ND | C | 0.12 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-60 | ND | | 0.040 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-61** | **0.0094** | **J C B** | 0.16 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-62 | ND | C59 | 0.12 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-63 | ND | | 0.040 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-64** | **0.0031** | **J B** | 0.040 | 0.00084 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-65** | **0.018** | **J C44 B** | 0.12 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-66** | **0.0047** | **J B** | 0.040 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-67 | ND | | 0.040 | 0.00085 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-68** | **0.0019** | **J q B** | 0.040 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-69** | **0.0067** | **J C49 B** | 0.080 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-70** | **0.0094** | **J C61 B** | 0.16 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-71 | ND | C40 | 0.12 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-72 | ND | | 0.040 | 0.00091 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-73 | ND | C43 | 0.080 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-74** | **0.0094** | **J C61 B** | 0.16 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-75 | ND | C59 | 0.12 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-76** | **0.0094** | **J C61 B** | 0.16 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-77 | ND | | 0.040 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-78 | ND | | 0.040 | 0.00091 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-79 | ND | | 0.040 | 0.00077 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-80 | ND | | 0.040 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-81 | ND | | 0.040 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-82 | ND | | 0.040 | 0.0025 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-83** | **0.0068** | **J q C** | 0.080 | 0.0024 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-84 | ND | | 0.040 | 0.0026 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-85 | ND | C | 0.12 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-86 | ND | C | 0.24 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-87 | ND | C86 | 0.24 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-88 | ND | C | 0.080 | 0.0022 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-89 | ND | | 0.040 | 0.0025 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-90** | **0.011** | **J q C B** | 0.12 | 0.0019 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-91 | ND | C88 | 0.080 | 0.0022 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-92 | ND | | 0.040 | 0.0023 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-93 | ND | C | 0.080 | 0.0023 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-94 | ND | | 0.040 | 0.0024 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-95** | **0.011** | **J** | 0.040 | 0.0023 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-96 | ND | | 0.040 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-97 | ND | C86 | 0.24 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-98 | ND | C | 0.080 | 0.0022 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-99** | **0.0068** | **J q C83** | 0.080 | 0.0024 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-100 | ND | C93 | 0.080 | 0.0023 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-101** | **0.011** | **J q C90 B** | 0.12 | 0.0019 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |

## Client Sample ID: 711-82719
**Date Collected: 08/27/19 08:40**
**Date Received: 09/03/19 15:00**

## Lab Sample ID: 580-88908-74
**Matrix: Water**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-102 | ND | C98 | 0.080 | 0.0022 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-103 | ND | | 0.040 | 0.0021 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-104 | ND | | 0.040 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-105** | **0.0031** | **J B** | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-106 | ND | | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-107 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-108 | ND | C | 0.080 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-109 | ND | C86 | 0.24 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-110 | ND | C | 0.080 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-111 | ND | | 0.040 | 0.0015 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-112 | ND | | 0.040 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-113** | **0.011** | **J q C90 B** | 0.12 | 0.0019 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-114 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-115 | ND | C110 | 0.080 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-116 | ND | C85 | 0.12 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-117 | ND | C85 | 0.12 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-118** | **0.0062** | **J B** | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-119 | ND | C86 | 0.24 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-120 | ND | | 0.040 | 0.0015 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-121 | ND | | 0.040 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-122 | ND | | 0.040 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-123 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-124 | ND | C108 | 0.080 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-125 | ND | C86 | 0.24 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-126 | ND | | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-127 | ND | | 0.040 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-128** | **0.0018** | **J C B** | 0.080 | 0.00050 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-129** | **0.011** | **J C B** | 0.16 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-130** | **0.0011** | **J** | 0.040 | 0.00068 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-131 | ND | | 0.040 | 0.00066 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-132** | **0.0038** | **J B** | 0.040 | 0.00064 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-133 | ND | | 0.040 | 0.00062 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-134** | **0.0011** | **J q C** | 0.080 | 0.00066 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-135** | **0.0056** | **J C B** | 0.080 | 0.00073 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-136** | **0.0026** | **J B** | 0.040 | 0.00055 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-137 | ND | | 0.040 | 0.00053 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-138** | **0.011** | **J C129 B** | 0.16 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-139 | ND | C | 0.080 | 0.00056 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-140 | ND | C139 | 0.080 | 0.00056 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-141** | **0.0025** | **J B** | 0.040 | 0.00059 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-142 | ND | | 0.040 | 0.00065 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-143** | **0.0011** | **J q C134** | 0.080 | 0.00066 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-144** | **0.0011** | **J q** | 0.040 | 0.00069 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-145 | ND | | 0.040 | 0.00054 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-146** | **0.0017** | **J q** | 0.040 | 0.00056 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-147** | **0.010** | **J C B** | 0.080 | 0.00058 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-148 | ND | | 0.040 | 0.00071 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-149** | **0.010** | **J C147 B** | 0.080 | 0.00058 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-150** | **0.00083** | **J q** | 0.040 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |

## Client Sample ID: 711-82719
**Lab Sample ID: 580-88908-74**

**Date Collected: 08/27/19 08:40**
**Matrix: Water**
**Date Received: 09/03/19 15:00**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **PCB-151** | **0.0056** | **J C135 B** | 0.080 | 0.00073 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-152 | ND | | 0.040 | 0.00051 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-153** | **0.0091** | **J q C B** | 0.080 | 0.00046 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-154** | **0.0011** | **J q** | 0.040 | 0.00063 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-155 | ND | | 0.040 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-156** | **0.0013** | **J q C** | 0.080 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-157** | **0.0013** | **J q C156** | 0.080 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-158** | **0.0010** | **J q B** | 0.040 | 0.00041 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-159 | ND | | 0.040 | 0.00043 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-160** | **0.011** | **J C129 B** | 0.16 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-161 | ND | | 0.040 | 0.00042 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-162 | ND | | 0.040 | 0.00041 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-163** | **0.011** | **J C129 B** | 0.16 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-164 | ND | | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-165 | ND | | 0.040 | 0.00050 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-166** | **0.0018** | **J C128 B** | 0.080 | 0.00050 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-167 | ND | | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-168** | **0.0091** | **J q C153 B** | 0.080 | 0.00046 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-169 | ND | | 0.040 | 0.00041 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-170** | **0.0058** | **J q B** | 0.040 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-171** | **0.0028** | **J C** | 0.080 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-172 | ND | | 0.040 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-173** | **0.0028** | **J C171** | 0.080 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-174** | **0.0052** | **J q B** | 0.040 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-175 | ND | | 0.040 | 0.00083 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-176 | ND | | 0.040 | 0.00058 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-177** | **0.0042** | **J q** | 0.040 | 0.00094 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-178 | ND | | 0.040 | 0.00087 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-179** | **0.0026** | **J B** | 0.040 | 0.00063 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-180** | **0.0091** | **J q C B** | 0.080 | 0.00072 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-181 | ND | | 0.040 | 0.00080 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-182 | ND | | 0.040 | 0.00077 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-183** | **0.0037** | **J q C B** | 0.080 | 0.00078 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-184 | ND | | 0.040 | 0.00063 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-185** | **0.0037** | **J q C183 B** | 0.080 | 0.00078 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-186 | ND | | 0.040 | 0.00062 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-187** | **0.0060** | **J B** | 0.040 | 0.00080 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-188 | ND | | 0.040 | 0.00057 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-189 | ND | | 0.040 | 0.00073 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-190 | ND | | 0.040 | 0.00065 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-191 | ND | | 0.040 | 0.00064 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-192 | ND | | 0.040 | 0.00069 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-193** | **0.0091** | **J q C180 B** | 0.080 | 0.00072 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-194** | **0.0024** | **J B** | 0.040 | 0.00094 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-195 | ND | | 0.040 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-196 | ND | | 0.040 | 0.00066 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-197 | ND | | 0.040 | 0.00048 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-198** | **0.0023** | **J q C B** | 0.080 | 0.00070 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-199** | **0.0023** | **J q C198 B** | 0.080 | 0.00070 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |

## Client Sample ID: 711-82719
**Date Collected: 08/27/19 08:40**
**Date Received: 09/03/19 15:00**

## Lab Sample ID: 580-88908-74
**Matrix: Water**

### Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | ND | | 0.040 | 0.00051 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-201 | ND | | 0.040 | 0.00048 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-202** | **0.00091** | **J q** | 0.040 | 0.00055 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-203** | **0.0017** | **J q B** | 0.040 | 0.00062 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-204 | ND | | 0.040 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-205 | ND | | 0.040 | 0.00071 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-206 | ND | | 0.040 | 0.0025 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-207 | ND | | 0.040 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-208 | ND | | 0.040 | 0.0019 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **PCB-209** | **0.0044** | **J B** | 0.040 | 0.00068 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Monochlorobiphenyls** | **0.0055** | **J B** | 0.040 | 0.00059 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Dichlorobiphenyls** | **0.044** | **J B** | 0.080 | 0.0014 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Trichlorobiphenyls** | **0.043** | **J B** | 0.080 | 0.00084 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Tetrachlorobiphenyls** | **0.058** | **J B** | 0.16 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Pentachlorobiphenyls** | **0.038** | **J B** | 0.24 | 0.0018 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Hexachlorobiphenyls** | **0.056** | **J B** | 0.16 | 0.00055 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Heptachlorobiphenyls** | **0.039** | **J B** | 0.080 | 0.00076 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Total Octachlorobiphenyls** | **0.0073** | **J B** | 0.080 | 0.00066 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| Total Nonachlorobiphenyls | ND | | 0.040 | 0.0025 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| **Polychlorinated biphenyls, Total** | **0.30** | **B** | 0.24 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 17:59 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *94* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-3L* | *96* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-4L* | *86* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-15L* | *88* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-19L* | *86* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-37L* | *93* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-54L* | *103* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-77L* | *89* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-81L* | *87* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-104L* | *88* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-105L* | *86* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-114L* | *86* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-118L* | *88* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-123L* | *86* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-126L* | *95* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-155L* | *102* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-156L* | *91* | *C* | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-157L* | *91* | *C156* | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-167L* | *90* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-169L* | *93* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-170L* | *78* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-188L* | *81* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-189L* | *92* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-202L* | *92* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-205L* | *81* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-206L* | *75* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-208L* | *81* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |
| *PCB-209L* | *62* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 17:59* | *1* |

## Client Sample ID: 711-82719
**Date Collected: 08/27/19 08:40**
**Date Received: 09/03/19 15:00**

## Lab Sample ID: 580-88908-74
**Matrix: Water**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 81 | | 40 - 125 | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-111L | 89 | | 40 - 125 | 09/16/19 12:34 | 09/24/19 17:59 | 1 |
| PCB-178L | 90 | | 40 - 125 | 09/16/19 12:34 | 09/24/19 17:59 | 1 |

# Default Detection Limits

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

### Prep: HRMS-Sepf

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-1 | 0.040 | | ng/L |
| PCB-10 | 0.040 | | ng/L |
| PCB-100 | 0.080 | | ng/L |
| PCB-101 | 0.12 | | ng/L |
| PCB-102 | 0.080 | | ng/L |
| PCB-103 | 0.040 | | ng/L |
| PCB-104 | 0.040 | | ng/L |
| PCB-105 | 0.040 | | ng/L |
| PCB-106 | 0.040 | | ng/L |
| PCB-107 | 0.040 | | ng/L |
| PCB-108 | 0.080 | | ng/L |
| PCB-109 | 0.24 | | ng/L |
| PCB-11 | 0.060 | | ng/L |
| PCB-110 | 0.080 | | ng/L |
| PCB-111 | 0.040 | | ng/L |
| PCB-112 | 0.040 | | ng/L |
| PCB-113 | 0.12 | | ng/L |
| PCB-114 | 0.040 | | ng/L |
| PCB-115 | 0.080 | | ng/L |
| PCB-116 | 0.12 | | ng/L |
| PCB-117 | 0.12 | | ng/L |
| PCB-118 | 0.040 | | ng/L |
| PCB-119 | 0.24 | | ng/L |
| PCB-12 | 0.080 | | ng/L |
| PCB-120 | 0.040 | | ng/L |
| PCB-121 | 0.040 | | ng/L |
| PCB-122 | 0.040 | | ng/L |
| PCB-123 | 0.040 | | ng/L |
| PCB-124 | 0.080 | | ng/L |
| PCB-125 | 0.24 | | ng/L |
| PCB-126 | 0.040 | | ng/L |
| PCB-127 | 0.040 | | ng/L |
| PCB-128 | 0.080 | | ng/L |
| PCB-129 | 0.16 | | ng/L |
| PCB-13 | 0.080 | | ng/L |
| PCB-130 | 0.040 | | ng/L |
| PCB-131 | 0.040 | | ng/L |
| PCB-132 | 0.040 | | ng/L |
| PCB-133 | 0.040 | | ng/L |
| PCB-134 | 0.080 | | ng/L |
| PCB-135 | 0.080 | | ng/L |
| PCB-136 | 0.040 | | ng/L |
| PCB-137 | 0.040 | | ng/L |
| PCB-138 | 0.16 | | ng/L |
| PCB-139 | 0.080 | | ng/L |
| PCB-14 | 0.040 | | ng/L |
| PCB-140 | 0.080 | | ng/L |
| PCB-141 | 0.040 | | ng/L |
| PCB-142 | 0.040 | | ng/L |
| PCB-143 | 0.080 | | ng/L |
| PCB-144 | 0.040 | | ng/L |
| PCB-145 | 0.040 | | ng/L |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sepf

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-146 | 0.040 | | ng/L |
| PCB-147 | 0.080 | | ng/L |
| PCB-148 | 0.040 | | ng/L |
| PCB-149 | 0.080 | | ng/L |
| PCB-15 | 0.040 | | ng/L |
| PCB-150 | 0.040 | | ng/L |
| PCB-151 | 0.080 | | ng/L |
| PCB-152 | 0.040 | | ng/L |
| PCB-153 | 0.080 | | ng/L |
| PCB-154 | 0.040 | | ng/L |
| PCB-155 | 0.040 | | ng/L |
| PCB-156 | 0.080 | | ng/L |
| PCB-157 | 0.080 | | ng/L |
| PCB-158 | 0.040 | | ng/L |
| PCB-159 | 0.040 | | ng/L |
| PCB-16 | 0.040 | | ng/L |
| PCB-160 | 0.16 | | ng/L |
| PCB-161 | 0.040 | | ng/L |
| PCB-162 | 0.040 | | ng/L |
| PCB-163 | 0.16 | | ng/L |
| PCB-164 | 0.040 | | ng/L |
| PCB-165 | 0.040 | | ng/L |
| PCB-166 | 0.080 | | ng/L |
| PCB-167 | 0.040 | | ng/L |
| PCB-168 | 0.080 | | ng/L |
| PCB-169 | 0.040 | | ng/L |
| PCB-17 | 0.040 | | ng/L |
| PCB-170 | 0.040 | | ng/L |
| PCB-171 | 0.080 | | ng/L |
| PCB-172 | 0.040 | | ng/L |
| PCB-173 | 0.080 | | ng/L |
| PCB-174 | 0.040 | | ng/L |
| PCB-175 | 0.040 | | ng/L |
| PCB-176 | 0.040 | | ng/L |
| PCB-177 | 0.040 | | ng/L |
| PCB-178 | 0.040 | | ng/L |
| PCB-179 | 0.040 | | ng/L |
| PCB-18 | 0.080 | | ng/L |
| PCB-180 | 0.080 | | ng/L |
| PCB-181 | 0.040 | | ng/L |
| PCB-182 | 0.040 | | ng/L |
| PCB-183 | 0.080 | | ng/L |
| PCB-184 | 0.040 | | ng/L |
| PCB-185 | 0.080 | | ng/L |
| PCB-186 | 0.040 | | ng/L |
| PCB-187 | 0.040 | | ng/L |
| PCB-188 | 0.040 | | ng/L |
| PCB-189 | 0.040 | | ng/L |
| PCB-19 | 0.040 | | ng/L |
| PCB-190 | 0.040 | | ng/L |
| PCB-191 | 0.040 | | ng/L |
| PCB-192 | 0.040 | | ng/L |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sepf

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-193 | 0.080 | | ng/L |
| PCB-194 | 0.040 | | ng/L |
| PCB-195 | 0.040 | | ng/L |
| PCB-196 | 0.040 | | ng/L |
| PCB-197 | 0.040 | | ng/L |
| PCB-198 | 0.080 | | ng/L |
| PCB-199 | 0.080 | | ng/L |
| PCB-2 | 0.040 | | ng/L |
| PCB-20 | 0.080 | | ng/L |
| PCB-200 | 0.040 | | ng/L |
| PCB-201 | 0.040 | | ng/L |
| PCB-202 | 0.040 | | ng/L |
| PCB-203 | 0.040 | | ng/L |
| PCB-204 | 0.040 | | ng/L |
| PCB-205 | 0.040 | | ng/L |
| PCB-206 | 0.040 | | ng/L |
| PCB-207 | 0.040 | | ng/L |
| PCB-208 | 0.040 | | ng/L |
| PCB-209 | 0.040 | | ng/L |
| PCB-21 | 0.080 | | ng/L |
| PCB-22 | 0.040 | | ng/L |
| PCB-23 | 0.040 | | ng/L |
| PCB-24 | 0.040 | | ng/L |
| PCB-25 | 0.040 | | ng/L |
| PCB-26 | 0.080 | | ng/L |
| PCB-27 | 0.040 | | ng/L |
| PCB-28 | 0.080 | | ng/L |
| PCB-29 | 0.080 | | ng/L |
| PCB-3 | 0.040 | | ng/L |
| PCB-30 | 0.080 | | ng/L |
| PCB-31 | 0.040 | | ng/L |
| PCB-32 | 0.040 | | ng/L |
| PCB-33 | 0.080 | | ng/L |
| PCB-34 | 0.040 | | ng/L |
| PCB-35 | 0.040 | | ng/L |
| PCB-36 | 0.040 | | ng/L |
| PCB-37 | 0.040 | | ng/L |
| PCB-38 | 0.040 | | ng/L |
| PCB-39 | 0.040 | | ng/L |
| PCB-4 | 0.060 | | ng/L |
| PCB-40 | 0.12 | | ng/L |
| PCB-41 | 0.12 | | ng/L |
| PCB-42 | 0.040 | | ng/L |
| PCB-43 | 0.080 | | ng/L |
| PCB-44 | 0.12 | | ng/L |
| PCB-45 | 0.080 | | ng/L |
| PCB-46 | 0.040 | | ng/L |
| PCB-47 | 0.12 | | ng/L |
| PCB-48 | 0.040 | | ng/L |
| PCB-49 | 0.080 | | ng/L |
| PCB-5 | 0.040 | | ng/L |
| PCB-50 | 0.080 | | ng/L |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sepf

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-51 | 0.080 | | ng/L |
| PCB-52 | 0.040 | | ng/L |
| PCB-53 | 0.080 | | ng/L |
| PCB-54 | 0.040 | | ng/L |
| PCB-55 | 0.040 | | ng/L |
| PCB-56 | 0.040 | | ng/L |
| PCB-57 | 0.040 | | ng/L |
| PCB-58 | 0.040 | | ng/L |
| PCB-59 | 0.12 | | ng/L |
| PCB-6 | 0.040 | | ng/L |
| PCB-60 | 0.040 | | ng/L |
| PCB-61 | 0.16 | | ng/L |
| PCB-62 | 0.12 | | ng/L |
| PCB-63 | 0.040 | | ng/L |
| PCB-64 | 0.040 | | ng/L |
| PCB-65 | 0.12 | | ng/L |
| PCB-66 | 0.040 | | ng/L |
| PCB-67 | 0.040 | | ng/L |
| PCB-68 | 0.040 | | ng/L |
| PCB-69 | 0.080 | | ng/L |
| PCB-7 | 0.040 | | ng/L |
| PCB-70 | 0.16 | | ng/L |
| PCB-71 | 0.12 | | ng/L |
| PCB-72 | 0.040 | | ng/L |
| PCB-73 | 0.080 | | ng/L |
| PCB-74 | 0.16 | | ng/L |
| PCB-75 | 0.12 | | ng/L |
| PCB-76 | 0.16 | | ng/L |
| PCB-77 | 0.040 | | ng/L |
| PCB-78 | 0.040 | | ng/L |
| PCB-79 | 0.040 | | ng/L |
| PCB-8 | 0.060 | | ng/L |
| PCB-80 | 0.040 | | ng/L |
| PCB-81 | 0.040 | | ng/L |
| PCB-82 | 0.040 | | ng/L |
| PCB-83 | 0.080 | | ng/L |
| PCB-84 | 0.040 | | ng/L |
| PCB-85 | 0.12 | | ng/L |
| PCB-86 | 0.24 | | ng/L |
| PCB-87 | 0.24 | | ng/L |
| PCB-88 | 0.080 | | ng/L |
| PCB-89 | 0.040 | | ng/L |
| PCB-9 | 0.040 | | ng/L |
| PCB-90 | 0.12 | | ng/L |
| PCB-91 | 0.080 | | ng/L |
| PCB-92 | 0.040 | | ng/L |
| PCB-93 | 0.080 | | ng/L |
| PCB-94 | 0.040 | | ng/L |
| PCB-95 | 0.040 | | ng/L |
| PCB-96 | 0.040 | | ng/L |
| PCB-97 | 0.24 | | ng/L |
| PCB-98 | 0.080 | | ng/L |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sepf

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-99 | 0.080 | | ng/L |
| Polychlorinated biphenyls, Total | 0.24 | | ng/L |
| Total Dichlorobiphenyls | 0.080 | | ng/L |
| Total Heptachlorobiphenyls | 0.080 | | ng/L |
| Total Hexachlorobiphenyls | 0.16 | | ng/L |
| Total Monochlorobiphenyls | 0.040 | | ng/L |
| Total Nonachlorobiphenyls | 0.040 | | ng/L |
| Total Octachlorobiphenyls | 0.080 | | ng/L |
| Total Pentachlorobiphenyls | 0.24 | | ng/L |
| Total Tetrachlorobiphenyls | 0.16 | | ng/L |
| Total Trichlorobiphenyls | 0.080 | | ng/L |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

### Prep: HRMS-Sox

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-1 | 0.010 | | ng/g |
| PCB-10 | 0.010 | | ng/g |
| PCB-100 | 0.020 | | ng/g |
| PCB-101 | 0.030 | | ng/g |
| PCB-102 | 0.020 | | ng/g |
| PCB-103 | 0.010 | | ng/g |
| PCB-104 | 0.010 | | ng/g |
| PCB-105 | 0.010 | | ng/g |
| PCB-106 | 0.010 | | ng/g |
| PCB-107 | 0.010 | | ng/g |
| PCB-108 | 0.020 | | ng/g |
| PCB-109 | 0.060 | | ng/g |
| PCB-11 | 0.020 | | ng/g |
| PCB-110 | 0.020 | | ng/g |
| PCB-111 | 0.010 | | ng/g |
| PCB-112 | 0.010 | | ng/g |
| PCB-113 | 0.030 | | ng/g |
| PCB-114 | 0.010 | | ng/g |
| PCB-115 | 0.020 | | ng/g |
| PCB-116 | 0.030 | | ng/g |
| PCB-117 | 0.030 | | ng/g |
| PCB-118 | 0.010 | | ng/g |
| PCB-119 | 0.060 | | ng/g |
| PCB-12 | 0.020 | | ng/g |
| PCB-120 | 0.010 | | ng/g |
| PCB-121 | 0.010 | | ng/g |
| PCB-122 | 0.010 | | ng/g |
| PCB-123 | 0.010 | | ng/g |
| PCB-124 | 0.020 | | ng/g |
| PCB-125 | 0.060 | | ng/g |
| PCB-126 | 0.010 | | ng/g |
| PCB-127 | 0.010 | | ng/g |
| PCB-128 | 0.020 | | ng/g |
| PCB-129 | 0.040 | | ng/g |
| PCB-13 | 0.020 | | ng/g |
| PCB-130 | 0.010 | | ng/g |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sox

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-131 | 0.010 | | ng/g |
| PCB-132 | 0.010 | | ng/g |
| PCB-133 | 0.010 | | ng/g |
| PCB-134 | 0.020 | | ng/g |
| PCB-135 | 0.020 | | ng/g |
| PCB-136 | 0.010 | | ng/g |
| PCB-137 | 0.010 | | ng/g |
| PCB-138 | 0.040 | | ng/g |
| PCB-139 | 0.020 | | ng/g |
| PCB-14 | 0.010 | | ng/g |
| PCB-140 | 0.020 | | ng/g |
| PCB-141 | 0.010 | | ng/g |
| PCB-142 | 0.010 | | ng/g |
| PCB-143 | 0.020 | | ng/g |
| PCB-144 | 0.010 | | ng/g |
| PCB-145 | 0.010 | | ng/g |
| PCB-146 | 0.010 | | ng/g |
| PCB-147 | 0.020 | | ng/g |
| PCB-148 | 0.010 | | ng/g |
| PCB-149 | 0.020 | | ng/g |
| PCB-15 | 0.010 | | ng/g |
| PCB-150 | 0.010 | | ng/g |
| PCB-151 | 0.020 | | ng/g |
| PCB-152 | 0.010 | | ng/g |
| PCB-153 | 0.020 | | ng/g |
| PCB-154 | 0.010 | | ng/g |
| PCB-155 | 0.010 | | ng/g |
| PCB-156 | 0.020 | | ng/g |
| PCB-157 | 0.020 | | ng/g |
| PCB-158 | 0.010 | | ng/g |
| PCB-159 | 0.010 | | ng/g |
| PCB-16 | 0.010 | | ng/g |
| PCB-160 | 0.040 | | ng/g |
| PCB-161 | 0.010 | | ng/g |
| PCB-162 | 0.010 | | ng/g |
| PCB-163 | 0.040 | | ng/g |
| PCB-164 | 0.010 | | ng/g |
| PCB-165 | 0.010 | | ng/g |
| PCB-166 | 0.020 | | ng/g |
| PCB-167 | 0.010 | | ng/g |
| PCB-168 | 0.020 | | ng/g |
| PCB-169 | 0.010 | | ng/g |
| PCB-17 | 0.010 | | ng/g |
| PCB-170 | 0.010 | | ng/g |
| PCB-171 | 0.020 | | ng/g |
| PCB-172 | 0.010 | | ng/g |
| PCB-173 | 0.020 | | ng/g |
| PCB-174 | 0.010 | | ng/g |
| PCB-175 | 0.010 | | ng/g |
| PCB-176 | 0.010 | | ng/g |
| PCB-177 | 0.010 | | ng/g |
| PCB-178 | 0.010 | | ng/g |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sox

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-179 | 0.010 | | ng/g |
| PCB-18 | 0.020 | | ng/g |
| PCB-180 | 0.020 | | ng/g |
| PCB-181 | 0.010 | | ng/g |
| PCB-182 | 0.010 | | ng/g |
| PCB-183 | 0.020 | | ng/g |
| PCB-184 | 0.010 | | ng/g |
| PCB-185 | 0.020 | | ng/g |
| PCB-186 | 0.010 | | ng/g |
| PCB-187 | 0.010 | | ng/g |
| PCB-188 | 0.010 | | ng/g |
| PCB-189 | 0.010 | | ng/g |
| PCB-19 | 0.010 | | ng/g |
| PCB-190 | 0.010 | | ng/g |
| PCB-191 | 0.010 | | ng/g |
| PCB-192 | 0.010 | | ng/g |
| PCB-193 | 0.020 | | ng/g |
| PCB-194 | 0.010 | | ng/g |
| PCB-195 | 0.010 | | ng/g |
| PCB-196 | 0.010 | | ng/g |
| PCB-197 | 0.010 | | ng/g |
| PCB-198 | 0.020 | | ng/g |
| PCB-199 | 0.020 | | ng/g |
| PCB-2 | 0.010 | | ng/g |
| PCB-20 | 0.020 | | ng/g |
| PCB-200 | 0.010 | | ng/g |
| PCB-201 | 0.010 | | ng/g |
| PCB-202 | 0.010 | | ng/g |
| PCB-203 | 0.010 | | ng/g |
| PCB-204 | 0.010 | | ng/g |
| PCB-205 | 0.010 | | ng/g |
| PCB-206 | 0.010 | | ng/g |
| PCB-207 | 0.010 | | ng/g |
| PCB-208 | 0.010 | | ng/g |
| PCB-209 | 0.010 | | ng/g |
| PCB-21 | 0.020 | | ng/g |
| PCB-22 | 0.010 | | ng/g |
| PCB-23 | 0.010 | | ng/g |
| PCB-24 | 0.010 | | ng/g |
| PCB-25 | 0.010 | | ng/g |
| PCB-26 | 0.020 | | ng/g |
| PCB-27 | 0.010 | | ng/g |
| PCB-28 | 0.020 | | ng/g |
| PCB-29 | 0.020 | | ng/g |
| PCB-3 | 0.010 | | ng/g |
| PCB-30 | 0.020 | | ng/g |
| PCB-31 | 0.020 | | ng/g |
| PCB-32 | 0.010 | | ng/g |
| PCB-33 | 0.020 | | ng/g |
| PCB-34 | 0.010 | | ng/g |
| PCB-35 | 0.010 | | ng/g |
| PCB-36 | 0.010 | | ng/g |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sox

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-37 | 0.010 | | ng/g |
| PCB-38 | 0.010 | | ng/g |
| PCB-39 | 0.010 | | ng/g |
| PCB-4 | 0.020 | | ng/g |
| PCB-40 | 0.030 | | ng/g |
| PCB-41 | 0.030 | | ng/g |
| PCB-42 | 0.010 | | ng/g |
| PCB-43 | 0.020 | | ng/g |
| PCB-44 | 0.030 | | ng/g |
| PCB-45 | 0.020 | | ng/g |
| PCB-46 | 0.010 | | ng/g |
| PCB-47 | 0.030 | | ng/g |
| PCB-48 | 0.010 | | ng/g |
| PCB-49 | 0.020 | | ng/g |
| PCB-5 | 0.010 | | ng/g |
| PCB-50 | 0.020 | | ng/g |
| PCB-51 | 0.020 | | ng/g |
| PCB-52 | 0.010 | | ng/g |
| PCB-53 | 0.020 | | ng/g |
| PCB-54 | 0.010 | | ng/g |
| PCB-55 | 0.010 | | ng/g |
| PCB-56 | 0.010 | | ng/g |
| PCB-57 | 0.010 | | ng/g |
| PCB-58 | 0.010 | | ng/g |
| PCB-59 | 0.030 | | ng/g |
| PCB-6 | 0.010 | | ng/g |
| PCB-60 | 0.010 | | ng/g |
| PCB-61 | 0.040 | | ng/g |
| PCB-62 | 0.030 | | ng/g |
| PCB-63 | 0.010 | | ng/g |
| PCB-64 | 0.010 | | ng/g |
| PCB-65 | 0.030 | | ng/g |
| PCB-66 | 0.010 | | ng/g |
| PCB-67 | 0.010 | | ng/g |
| PCB-68 | 0.010 | | ng/g |
| PCB-69 | 0.020 | | ng/g |
| PCB-7 | 0.010 | | ng/g |
| PCB-70 | 0.040 | | ng/g |
| PCB-71 | 0.030 | | ng/g |
| PCB-72 | 0.010 | | ng/g |
| PCB-73 | 0.020 | | ng/g |
| PCB-74 | 0.040 | | ng/g |
| PCB-75 | 0.030 | | ng/g |
| PCB-76 | 0.040 | | ng/g |
| PCB-77 | 0.010 | | ng/g |
| PCB-78 | 0.010 | | ng/g |
| PCB-79 | 0.010 | | ng/g |
| PCB-8 | 0.020 | | ng/g |
| PCB-80 | 0.010 | | ng/g |
| PCB-81 | 0.010 | | ng/g |
| PCB-82 | 0.010 | | ng/g |
| PCB-83 | 0.020 | | ng/g |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

### Prep: HRMS-Sox

| Analyte | RL | | Units |
|---|---|---|---|
| PCB-84 | 0.010 | | ng/g |
| PCB-85 | 0.030 | | ng/g |
| PCB-86 | 0.060 | | ng/g |
| PCB-87 | 0.060 | | ng/g |
| PCB-88 | 0.020 | | ng/g |
| PCB-89 | 0.010 | | ng/g |
| PCB-9 | 0.010 | | ng/g |
| PCB-90 | 0.030 | | ng/g |
| PCB-91 | 0.020 | | ng/g |
| PCB-92 | 0.010 | | ng/g |
| PCB-93 | 0.020 | | ng/g |
| PCB-94 | 0.010 | | ng/g |
| PCB-95 | 0.010 | | ng/g |
| PCB-96 | 0.010 | | ng/g |
| PCB-97 | 0.060 | | ng/g |
| PCB-98 | 0.020 | | ng/g |
| PCB-99 | 0.020 | | ng/g |
| Polychlorinated biphenyls, Total | 0.060 | | ng/g |
| Total Dichlorobiphenyls | 0.020 | | ng/g |
| Total Heptachlorobiphenyls | 0.020 | | ng/g |
| Total Hexachlorobiphenyls | 0.040 | | ng/g |
| Total Monochlorobiphenyls | 0.010 | | ng/g |
| Total Nonachlorobiphenyls | 0.010 | | ng/g |
| Total Octachlorobiphenyls | 0.020 | | ng/g |
| Total Pentachlorobiphenyls | 0.060 | | ng/g |
| Total Tetrachlorobiphenyls | 0.040 | | ng/g |
| Total Trichlorobiphenyls | 0.020 | | ng/g |

## General Chemistry

| Analyte | RL | RL | Units |
|---|---|---|---|
| Percent Moisture | 0.1 | 0.1 | % |
| Percent Solids | 0.1 | 0.1 | % |

# Surrogate Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | PCB28L (40-125) | PCB111L (40-125) | PCB178L (40-125) |
| 580-88908-26 | J5-SC1b-20to30-82719 | 75 | 86 | 80 |
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | 82 | 106 | 94 |
| 580-88908-27 | J5-SC1b-30to40-82719 | 76 | 88 | 86 |
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | 77 | 87 | 86 |
| 580-88908-28 | J5-SC1b-40to50-82719 | 78 | 93 | 95 |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | 81 | 95 | 92 |
| 580-88908-29 | J5-SC1b-50to60-82719 | 79 | 93 | 89 |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | 80 | 91 | 90 |
| 580-88908-30 | J5-SC1b-60to70-82719 | 80 | 91 | 90 |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | 82 | 90 | 95 |
| 580-88908-31 | J5-SC1b-70to80-82719 | 78 | 89 | 87 |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | 81 | 90 | 86 |
| 580-88908-32 | J5-SC1b-80to90-82719 | 80 | 91 | 84 |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | 71 | 88 | 95 |
| 580-88908-33 | J5-SC1b-90to100-82719 | 76 | 88 | 88 |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | 71 | 89 | 89 |
| 580-88908-34 | J5-SC1b-100to110-82719 | 81 | 93 | 93 |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | 72 | 87 | 84 |
| 580-88908-35 | J5-SC1b-00to10-82719 | 81 | 98 | 87 |
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | 82 | 94 | 91 |
| 580-88908-36 | J5-SC1b-10to20-82719 | 79 | 91 | 87 |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | 79 | 90 | 92 |
| LCS 140-33628/13-B | Lab Control Sample | 77 | 89 | 84 |
| LCS 140-34150/13-B | Lab Control Sample | 74 | 88 | 93 |
| MB 140-33628/12-B | Method Blank | 78 | 94 | 94 |
| MB 140-34150/12-B | Method Blank | 71 | 85 | 84 |

**Surrogate Legend**

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | PCB28L (40-125) | PCB111L (40-125) | PCB178L (40-125) |
| 580-88908-74 | 711-82719 | 81 | 89 | 90 |
| LCS 140-33603/11-A | Lab Control Sample | 80 | 93 | 93 |
| MB 140-33603/10-A | Method Blank | 86 | 99 | 100 |

**Surrogate Legend**

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

# Isotope Dilution Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | PCB1L (30-140) | PCB3L (30-140) | PCB4L (30-140) | PCB15L (30-140) | PCB19L (30-140) | PCB37L (30-140) | PCB54L (30-140) | PCB77L (30-140) |
| 580-88908-26 | J5-SC1b-20to30-82719 | 39 | 53 | 54 | 79 | 64 | 82 | 65 | 84 |
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | 67 | 73 | 81 | 92 | 66 | 89 | 71 | 95 |
| 580-88908-27 | J5-SC1b-30to40-82719 | 45 q | 56 | 60 | 84 | 65 | 82 | 64 | 90 |
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | 61 | 66 | 68 | 77 | 72 | 83 | 72 | 78 |
| 580-88908-28 | J5-SC1b-40to50-82719 | 83 | 89 | 77 | 82 | 77 | 87 | 101 | 93 |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | 60 | 63 | 64 | 84 | 70 | 91 | 68 | 95 |
| 580-88908-29 | J5-SC1b-50to60-82719 | 54 | 62 | 64 | 81 | 77 | 87 | 75 | 92 |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | 64 | 69 | 68 | 81 | 73 | 92 | 77 | 94 |
| 580-88908-30 | J5-SC1b-60to70-82719 | 53 | 58 | 65 | 77 | 75 | 88 | 69 | 86 |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | 55 | 58 | 60 | 86 | 70 | 118 | 69 | 99 |
| 580-88908-31 | J5-SC1b-70to80-82719 | 50 | 62 | 64 | 83 | 57 q | 90 | 71 | 95 |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | 71 | 72 | 68 | 67 | 70 | 91 | 73 | 85 |
| 580-88908-32 | J5-SC1b-80to90-82719 | 63 | 64 | 69 | 83 | 72 | 88 | 70 | 87 |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | 67 | 68 | 69 | 76 | 67 | 83 | 64 | 84 |
| 580-88908-33 | J5-SC1b-90to100-82719 | 55 | 62 | 66 | 83 | 73 | 80 | 75 | 84 |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | 66 | 64 | 64 | 71 | 64 | 70 | 60 | 78 |
| 580-88908-34 | J5-SC1b-100to110-82719 | 59 | 69 | 71 | 78 | 68 | 87 | 74 | 90 |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | 77 | 72 | 74 | 77 | 75 | 77 | 65 | 84 |
| 580-88908-35 | J5-SC1b-00to10-82719 | 57 | 63 | 70 | 96 | 75 | 95 | 73 | 99 |
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | 64 | 67 | 74 | 80 | 79 | 91 | 80 | 92 |
| 580-88908-36 | J5-SC1b-10to20-82719 | 58 | 62 | 73 | 82 | 71 | 89 | 74 | 88 |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | 64 | 67 | 69 | 84 | 73 | 90 | 75 | 90 |
| LCS 140-33628/13-B | Lab Control Sample | 59 | 61 | 64 | 73 | 64 | 76 | 63 | 79 |
| LCS 140-34150/13-B | Lab Control Sample | 77 | 74 | 71 | 76 | 71 | 78 | 68 | 82 |
| MB 140-33628/12-B | Method Blank | 59 | 66 | 70 | 77 | 73 | 75 | 63 | 83 |
| MB 140-34150/12-B | Method Blank | 67 | 70 | 66 | 74 | 64 | 76 | 63 | 80 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | PCB81L (30-140) | PCB104L (30-140) | PCB105L (30-140) | P114L (30-140) | PCB118L (30-140) | PCB123L (30-140) | PCB126L (30-140) | PCB155L (30-140) |
| 580-88908-26 | J5-SC1b-20to30-82719 | 82 | 86 | 78 | 77 | 80 | 79 | 86 | 93 |
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | 88 | 101 | 85 | 85 | 88 | 86 | 97 | 102 |
| 580-88908-27 | J5-SC1b-30to40-82719 | 86 | 80 | 79 | 79 | 81 | 79 | 87 | 101 |
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | 77 | 92 | 85 | 84 | 88 | 86 | 89 | 94 |
| 580-88908-28 | J5-SC1b-40to50-82719 | 90 | 89 | 86 | 85 | 85 | 85 | 88 | 103 |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | 92 | 90 | 84 | 81 | 84 | 82 | 95 | 99 |
| 580-88908-29 | J5-SC1b-50to60-82719 | 89 | 86 | 82 | 80 | 83 | 80 | 87 | 103 |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | 91 | 85 | 84 | 86 | 88 | 85 | 95 | 100 |
| 580-88908-30 | J5-SC1b-60to70-82719 | 85 | 83 | 80 | 79 | 79 | 77 | 85 | 102 |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | 89 | 88 | 83 | 88 | 90 | 85 | 96 | 92 |
| 580-88908-31 | J5-SC1b-70to80-82719 | 89 | 86 | 83 | 80 | 82 | 82 | 89 | 99 |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | 79 | 94 | 88 | 86 | 90 | 90 | 100 | 96 |
| 580-88908-32 | J5-SC1b-80to90-82719 | 87 | 91 | 81 | 81 | 79 | 79 | 88 | 102 |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | 80 | 77 | 80 | 79 | 81 | 87 | 87 | 87 |
| 580-88908-33 | J5-SC1b-90to100-82719 | 80 | 90 | 75 | 77 | 78 | 79 | 83 | 101 |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | 82 | 79 | 114 | 112 | 115 | 112 | 100 | 94 |
| 580-88908-34 | J5-SC1b-100to110-82719 | 85 | 90 | 82 | 79 | 85 | 81 | 89 | 97 |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | 80 | 75 | 79 | 77 | 81 | 77 | 87 | 86 |
| 580-88908-35 | J5-SC1b-00to10-82719 | 93 | 89 | 83 | 80 | 86 | 82 | 92 | 107 |
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | 88 | 90 | 85 | 81 | 83 | 83 | 93 | 102 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | P114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| 580-88908-36 | J5-SC1b-10to20-82719 | 85 | 83 | 79 | 79 | 82 | 80 | 88 | 96 |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | 86 | 90 | 87 | 86 | 88 | 87 | 97 | 104 |
| LCS 140-33628/13-B | Lab Control Sample | 77 | 82 | 72 | 70 | 74 | 75 | 82 | 96 |
| LCS 140-34150/13-B | Lab Control Sample | 78 | 83 | 76 | 76 | 78 | 76 | 87 | 90 |
| MB 140-33628/12-B | Method Blank | 78 | 93 | 77 | 78 | 79 | 76 | 82 | 105 |
| MB 140-34150/12-B | Method Blank | 76 | 77 | 76 | 75 | 78 | 75 | 85 | 87 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | PCB157L | PCB167L | PCB169L | PCB170L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| 580-88908-26 | J5-SC1b-20to30-82719 | 82 C | 82 C156 | 83 | 97 | 77 | 75 | 86 | 82 |
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | 85 C | 85 C156 | 86 | 100 | 82 | 83 | 81 | 91 |
| 580-88908-27 | J5-SC1b-30to40-82719 | 80 C | 80 C156 | 80 | 90 | 76 | 85 | 84 | 89 |
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | 78 C | 78 C156 | 77 | 90 | 82 | 85 | 96 | 81 |
| 580-88908-28 | J5-SC1b-40to50-82719 | 84 C | 84 C156 | 81 | 86 | 81 | 87 | 89 | 93 |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | 89 C | 89 C156 | 91 | 104 | 88 | 79 | 95 | 95 |
| 580-88908-29 | J5-SC1b-50to60-82719 | 79 C | 79 C156 | 80 | 95 | 80 | 78 | 83 | 93 |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | 83 C | 83 C156 | 83 | 97 | 83 | 84 | 99 | 84 |
| 580-88908-30 | J5-SC1b-60to70-82719 | 76 C | 76 C156 | 79 | 90 | 83 | 82 | 83 | 86 |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | 81 C | 81 C156 | 85 | 92 | 80 | 84 | 52 | 92 |
| 580-88908-31 | J5-SC1b-70to80-82719 | 84 C | 84 C156 | 83 | 94 | 78 | 80 | 87 | 93 |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | 86 C | 86 C156 | 86 | 94 | 85 | 77 | 105 | 83 |
| 580-88908-32 | J5-SC1b-80to90-82719 | 86 C | 86 C156 | 84 | 99 | 78 | 76 | 85 | 89 |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | 79 C | 79 C156 | 79 | 90 | 83 | 83 | 75 | 94 |
| 580-88908-33 | J5-SC1b-90to100-82719 | 81 C | 81 C156 | 80 | 93 | 84 | 82 | 74 | 95 |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | 91 C | 91 C156 | 96 | 103 | 81 | 82 | 75 | 93 |
| 580-88908-34 | J5-SC1b-100to110-82719 | 82 C | 82 C156 | 82 | 94 | 80 | 84 | 82 | 99 |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | 83 C | 83 C156 | 83 | 100 | 77 | 73 | 72 | 84 |
| 580-88908-35 | J5-SC1b-00to10-82719 | 88 C | 88 C156 | 83 | 99 | 79 | 87 | 89 | 90 |
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | 85 C | 85 C156 | 83 | 98 | 82 | 80 | 101 | 89 |
| 580-88908-36 | J5-SC1b-10to20-82719 | 84 C | 84 C156 | 82 | 96 | 77 | 77 | 83 | 89 |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | 83 C | 83 C156 | 84 | 96 | 83 | 84 | 99 | 86 |
| LCS 140-33628/13-B | Lab Control Sample | 82 C | 82 C156 | 80 | 97 | 72 | 76 | 71 | 83 |
| LCS 140-34150/13-B | Lab Control Sample | 83 C | 83 C156 | 82 | 93 | 78 | 78 | 93 | 86 |
| MB 140-33628/12-B | Method Blank | 82 C | 82 C156 | 80 | 92 | 75 | 80 | 83 | 90 |
| MB 140-34150/12-B | Method Blank | 82 C | 82 C156 | 82 | 91 | 74 | 74 | 88 | 82 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | | | | |
| 580-88908-26 | J5-SC1b-20to30-82719 | 76 | 70 | 78 | 71 | | | | |
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | 79 | 71 | 77 | 70 | | | | |
| 580-88908-27 | J5-SC1b-30to40-82719 | 73 | 69 | 81 | 76 | | | | |
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | 74 | 63 | 71 | 62 | | | | |
| 580-88908-28 | J5-SC1b-40to50-82719 | 83 | 69 | 82 | 50 q | | | | |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | 80 | 72 | 81 | 66 | | | | |
| 580-88908-29 | J5-SC1b-50to60-82719 | 75 | 71 | 80 | 70 | | | | |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | 81 | 73 | 78 | 64 | | | | |
| 580-88908-30 | J5-SC1b-60to70-82719 | 72 | 69 | 76 | 70 | | | | |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | 76 | 72 | 71 | 70 | | | | |
| 580-88908-31 | J5-SC1b-70to80-82719 | 77 | 72 | 82 | 78 | | | | |

# Isotope Dilution Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Matrix: Solid**
**Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | 81 | 78 | 84 | 69 |
| 580-88908-32 | J5-SC1b-80to90-82719 | 81 | 79 | 86 | 78 |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | 89 | 79 | 89 | 88 |
| 580-88908-33 | J5-SC1b-90to100-82719 | 79 | 78 | 82 | 80 |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | 83 | 90 | 101 | 103 |
| 580-88908-34 | J5-SC1b-100to110-82719 | 81 | 84 | 84 | 87 |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | 79 | 77 | 82 | 78 |
| 580-88908-35 | J5-SC1b-00to10-82719 | 82 | 79 | 88 | 81 |
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | 82 | 79 | 80 | 69 |
| 580-88908-36 | J5-SC1b-10to20-82719 | 77 | 76 | 82 | 75 |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | 79 | 73 | 80 | 69 |
| LCS 140-33628/13-B | Lab Control Sample | 70 | 69 | 73 | 73 |
| LCS 140-34150/13-B | Lab Control Sample | 79 | 70 | 77 | 68 |
| MB 140-33628/12-B | Method Blank | 76 | 74 | 77 | 73 |
| MB 140-34150/12-B | Method Blank | 75 | 69 | 74 | 65 |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB170L = PCB-170L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

# Isotope Dilution Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water**
**Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| 580-88908-74 | 711-82719 | 94 | 96 | 86 | 88 | 86 | 93 | 103 | 89 |
| LCS 140-33603/11-A | Lab Control Sample | 93 | 94 | 80 | 90 | 76 | 93 q | 99 | 96 |
| MB 140-33603/10-A | Method Blank | 92 | 96 | 80 | 92 | 76 | 100 q | 99 | 99 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | P114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| 580-88908-74 | 711-82719 | 87 | 88 | 86 | 86 | 88 | 86 | 95 | 102 |
| LCS 140-33603/11-A | Lab Control Sample | 93 | 81 | 85 | 85 | 88 | 85 | 93 | 90 |
| MB 140-33603/10-A | Method Blank | 98 | 86 | 89 | 89 | 91 | 89 | 98 | 98 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | PCB157L | PCB167L | PCB169L | PCB170L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| 580-88908-74 | 711-82719 | 91 C | 91 C156 | 90 | 93 | 78 | 81 | 92 | 92 |
| LCS 140-33603/11-A | Lab Control Sample | 86 C | 86 C156 | 88 | 96 | 83 | 83 | 91 | 92 |
| MB 140-33603/10-A | Method Blank | 92 C | 92 C156 | 88 | 98 | 88 | 88 | 97 | 98 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | | | | |
| 580-88908-74 | 711-82719 | 81 | 75 | 81 | 62 | | | | |
| LCS 140-33603/11-A | Lab Control Sample | 82 | 72 | 81 | 61 | | | | |
| MB 140-33603/10-A | Method Blank | 87 | 79 | 87 | 68 | | | | |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB170L = PCB-170L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L

# Isotope Dilution Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

PCB209L = PCB-209L

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Lab Sample ID: MB 140-33603/10-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | 0.00485 | J | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-2 | 0.00370 | J | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-3 | 0.00316 | J | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-4 | 0.00463 | J q | 0.060 | 0.0016 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-5 | ND | | 0.040 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-6 | 0.00302 | J q | 0.040 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-7 | ND | | 0.040 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-8 | 0.00535 | J | 0.060 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-9 | ND | | 0.040 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-10 | ND | | 0.040 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-11 | 0.0230 | J | 0.060 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-12 | 0.00325 | J q C | 0.080 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-13 | 0.00325 | J q C12 | 0.080 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-14 | ND | | 0.040 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-15 | 0.00355 | J | 0.040 | 0.00099 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-16 | 0.00306 | J q | 0.040 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-17 | 0.00382 | J | 0.040 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-18 | 0.00652 | J C | 0.080 | 0.00069 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-19 | ND | | 0.040 | 0.00097 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-20 | 0.00441 | J C | 0.080 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-21 | 0.00338 | J C | 0.080 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-22 | 0.00169 | J | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-23 | ND | | 0.040 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-24 | 0.00169 | J q | 0.040 | 0.00060 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-25 | 0.00102 | J q | 0.040 | 0.00035 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-26 | 0.00190 | J q C | 0.080 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-27 | 0.00134 | J q | 0.040 | 0.00058 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-28 | 0.00441 | J C20 | 0.080 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-29 | 0.00190 | J q C26 | 0.080 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-30 | 0.00652 | J C18 | 0.080 | 0.00069 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-31 | 0.00328 | J | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-32 | 0.00385 | J | 0.040 | 0.00054 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-33 | 0.00338 | J C21 | 0.080 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-34 | 0.000666 | J q | 0.040 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-35 | 0.000885 | J | 0.040 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-36 | ND | | 0.040 | 0.00035 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-37 | 0.00242 | J | 0.040 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-38 | 0.000741 | J | 0.040 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-39 | 0.000499 | J q | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-40 | 0.00419 | J C | 0.12 | 0.00055 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-41 | 0.00419 | J C40 | 0.12 | 0.00055 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-42 | ND | | 0.040 | 0.00058 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-43 | 0.00214 | J q C | 0.080 | 0.00050 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-44 | 0.0257 | J C | 0.12 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-45 | ND | C | 0.080 | 0.00057 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-46 | ND | | 0.040 | 0.00066 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-47 | 0.0257 | J C44 | 0.12 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-48 | ND | | 0.040 | 0.00053 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33603/10-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-49 | 0.00268 | J q C | 0.080 | 0.00044 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-50 | 0.00304 | J C | 0.080 | 0.00053 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-51 | ND | C45 | 0.080 | 0.00057 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-52 | 0.00407 | J | 0.040 | 0.00056 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-53 | 0.00304 | J C50 | 0.080 | 0.00053 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-54 | 0.000898 | J q | 0.040 | 0.00052 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-55 | ND | | 0.040 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-56 | 0.00185 | J q | 0.040 | 0.00040 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-57 | ND | | 0.040 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-58 | ND | | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-59 | 0.00199 | J q C | 0.12 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-60 | ND | | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-61 | 0.00539 | J C | 0.16 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-62 | 0.00199 | J q C59 | 0.12 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-63 | ND | | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-64 | 0.00208 | J | 0.040 | 0.00035 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-65 | 0.0257 | J C44 | 0.12 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-66 | 0.00162 | J q | 0.040 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-67 | ND | | 0.040 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-68 | 0.00504 | J | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-69 | 0.00268 | J q C49 | 0.080 | 0.00044 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-70 | 0.00539 | J C61 | 0.16 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-71 | 0.00419 | J C40 | 0.12 | 0.00055 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-72 | ND | | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-73 | 0.00214 | J q C43 | 0.080 | 0.00050 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-74 | 0.00539 | J C61 | 0.16 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-75 | 0.00199 | J q C59 | 0.12 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-76 | 0.00539 | J C61 | 0.16 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-77 | 0.000782 | J q | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-78 | ND | | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-79 | ND | | 0.040 | 0.00032 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-80 | ND | | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-81 | ND | | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-82 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-83 | ND | C | 0.080 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-84 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-85 | ND | C | 0.12 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-86 | 0.00709 | J C | 0.24 | 0.00095 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-87 | 0.00709 | J C86 | 0.24 | 0.00095 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-88 | ND | C | 0.080 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-89 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-90 | 0.00493 | J q C | 0.12 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-91 | ND | C88 | 0.080 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-92 | ND | | 0.040 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-93 | ND | C | 0.080 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-94 | ND | | 0.040 | 0.0013 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-95 | ND | | 0.040 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-96 | ND | | 0.040 | 0.00092 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-97 | 0.00709 | J C86 | 0.24 | 0.00095 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33603/10-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-98 | ND | C | 0.080 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-99 | ND | C83 | 0.080 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-100 | ND | C93 | 0.080 | 0.0012 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-101 | 0.00493 | J q C90 | 0.12 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-102 | ND | C98 | 0.080 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-103 | ND | | 0.040 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-104 | ND | | 0.040 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-105 | 0.00181 | J | 0.040 | 0.00080 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-106 | ND | | 0.040 | 0.00080 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-107 | ND | | 0.040 | 0.00075 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-108 | ND | C | 0.080 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-109 | 0.00709 | J C86 | 0.24 | 0.00095 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-110 | 0.00567 | J C | 0.080 | 0.00084 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-111 | ND | | 0.040 | 0.00079 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-112 | ND | | 0.040 | 0.00083 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-113 | 0.00493 | J q C90 | 0.12 | 0.0010 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-114 | ND | | 0.040 | 0.00073 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-115 | 0.00567 | J C110 | 0.080 | 0.00084 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-116 | ND | C85 | 0.12 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-117 | ND | C85 | 0.12 | 0.00093 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-118 | 0.00347 | J | 0.040 | 0.00074 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-119 | 0.00709 | J C86 | 0.24 | 0.00095 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-120 | ND | | 0.040 | 0.00076 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-121 | ND | | 0.040 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-122 | ND | | 0.040 | 0.00088 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-123 | ND | | 0.040 | 0.00076 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-124 | ND | C108 | 0.080 | 0.00081 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-125 | 0.00709 | J C86 | 0.24 | 0.00095 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-126 | ND | | 0.040 | 0.00080 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-127 | ND | | 0.040 | 0.00079 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-128 | 0.000965 | J q C | 0.080 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-129 | 0.00449 | J C | 0.16 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-130 | ND | | 0.040 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-131 | ND | | 0.040 | 0.00048 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-132 | 0.00158 | J | 0.040 | 0.00046 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-133 | ND | | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-134 | ND | C | 0.080 | 0.00048 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-135 | 0.00221 | J q C | 0.080 | 0.00047 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-136 | 0.000644 | J q | 0.040 | 0.00035 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-137 | 0.000508 | J q | 0.040 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-138 | 0.00449 | J C129 | 0.16 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-139 | ND | C | 0.080 | 0.00041 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-140 | ND | C139 | 0.080 | 0.00041 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-141 | 0.00109 | J | 0.040 | 0.00043 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-142 | ND | | 0.040 | 0.00048 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-143 | ND | C134 | 0.080 | 0.00048 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-144 | ND | | 0.040 | 0.00044 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-145 | ND | | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-146 | ND | | 0.040 | 0.00041 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33603/10-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-147 | 0.00336 | J C | 0.080 | 0.00042 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-148 | ND | | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-149 | 0.00336 | J C147 | 0.080 | 0.00042 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-150 | ND | | 0.040 | 0.00033 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-151 | 0.00221 | J q C135 | 0.080 | 0.00047 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-152 | 0.000704 | J | 0.040 | 0.00032 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-153 | 0.00357 | J C | 0.080 | 0.00033 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-154 | ND | | 0.040 | 0.00040 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-155 | ND | | 0.040 | 0.00031 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-156 | ND | C | 0.080 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-157 | ND | C156 | 0.080 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-158 | 0.000791 | J | 0.040 | 0.00029 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-159 | ND | | 0.040 | 0.00031 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-160 | 0.00449 | J C129 | 0.16 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-161 | ND | | 0.040 | 0.00031 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-162 | ND | | 0.040 | 0.00030 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-163 | 0.00449 | J C129 | 0.16 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-164 | 0.000633 | J | 0.040 | 0.00033 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-165 | ND | | 0.040 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-166 | 0.000965 | J q C128 | 0.080 | 0.00037 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-167 | 0.000526 | J | 0.040 | 0.00027 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-168 | 0.00357 | J C153 | 0.080 | 0.00033 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-169 | 0.000949 | J q | 0.040 | 0.00028 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-170 | 0.00118 | J q | 0.040 | 0.00072 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-171 | ND | C | 0.080 | 0.00072 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-172 | ND | | 0.040 | 0.00069 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-173 | ND | C171 | 0.080 | 0.00072 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-174 | 0.00126 | J q | 0.040 | 0.00072 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-175 | ND | | 0.040 | 0.00064 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-176 | ND | | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-177 | ND | | 0.040 | 0.00073 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-178 | ND | | 0.040 | 0.00067 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-179 | 0.000913 | J q | 0.040 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-180 | 0.00302 | J C | 0.080 | 0.00056 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-181 | ND | | 0.040 | 0.00062 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-182 | ND | | 0.040 | 0.00060 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-183 | 0.00233 | J C | 0.080 | 0.00061 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-184 | ND | | 0.040 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-185 | 0.00233 | J C183 | 0.080 | 0.00061 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-186 | ND | | 0.040 | 0.00048 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-187 | 0.00216 | J | 0.040 | 0.00062 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-188 | ND | | 0.040 | 0.00044 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-189 | ND | | 0.040 | 0.00042 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-190 | ND | | 0.040 | 0.00050 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-191 | ND | | 0.040 | 0.00050 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-192 | ND | | 0.040 | 0.00053 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-193 | 0.00302 | J C180 | 0.080 | 0.00056 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-194 | 0.000720 | J q | 0.040 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-195 | ND | | 0.040 | 0.00046 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33603/10-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-196 | 0.000621 | J q | 0.040 | 0.00046 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-197 | ND | | 0.040 | 0.00033 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-198 | 0.000870 | J q C | 0.080 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-199 | 0.000870 | J q C198 | 0.080 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-200 | ND | | 0.040 | 0.00035 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-201 | ND | | 0.040 | 0.00034 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-202 | ND | | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-203 | 0.000917 | J | 0.040 | 0.00043 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-204 | ND | | 0.040 | 0.00036 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-205 | ND | | 0.040 | 0.00029 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-206 | ND | | 0.040 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-207 | ND | | 0.040 | 0.00064 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-208 | ND | | 0.040 | 0.00066 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-209 | 0.00547 | J | 0.040 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Monochlorobiphenyls | 0.0117 | J | 0.040 | 0.00045 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Dichlorobiphenyls | 0.0428 | J q | 0.080 | 0.0011 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Trichlorobiphenyls | 0.0412 | J q | 0.080 | 0.00049 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Tetrachlorobiphenyls | 0.0615 | J q | 0.16 | 0.00043 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Pentachlorobiphenyls | 0.0230 | J q | 0.24 | 0.00096 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Hexachlorobiphenyls | 0.0220 | J q | 0.16 | 0.00038 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Heptachlorobiphenyls | 0.0109 | J q | 0.080 | 0.00058 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Octachlorobiphenyls | 0.00313 | J q | 0.080 | 0.00039 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Total Nonachlorobiphenyls | ND | | 0.040 | 0.00090 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| Polychlorinated biphenyls, Total | 0.222 | J q | 0.24 | 0.00062 | ng/L | | 09/16/19 12:34 | 09/24/19 15:55 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *92* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-3L* | *96* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-4L* | *80* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-15L* | *92* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-19L* | *76* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-37L* | *100* | *q* | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-54L* | *99* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-77L* | *99* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-81L* | *98* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-104L* | *86* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-105L* | *89* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-114L* | *89* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-118L* | *91* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-123L* | *89* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-126L* | *98* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-155L* | *98* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-156L* | *92* | *C* | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-157L* | *92* | *C156* | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-167L* | *88* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-169L* | *98* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-170L* | *88* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-188L* | *88* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |
| *PCB-189L* | *97* | | *30 - 140* | *09/16/19 12:34* | *09/24/19 15:55* | *1* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33603/10-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-202L | 98 | | 30 - 140 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-205L | 87 | | 30 - 140 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-206L | 79 | | 30 - 140 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-208L | 87 | | 30 - 140 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-209L | 68 | | 30 - 140 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 86 | | 40 - 125 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-111L | 99 | | 40 - 125 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |
| PCB-178L | 100 | | 40 - 125 | 09/16/19 12:34 | 09/24/19 15:55 | 1 |

**Lab Sample ID: LCS 140-33603/11-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| PCB-1 | 1.00 | 1.01 | | ng/L | | 101 | 50 - 150 |
| PCB-3 | 1.00 | 0.997 | | ng/L | | 100 | 50 - 150 |
| PCB-4 | 1.00 | 0.985 | | ng/L | | 99 | 50 - 150 |
| PCB-15 | 1.00 | 0.905 | | ng/L | | 90 | 50 - 150 |
| PCB-19 | 1.00 | 1.03 | | ng/L | | 103 | 50 - 150 |
| PCB-37 | 1.00 | 0.770 | | ng/L | | 77 | 50 - 150 |
| PCB-54 | 1.00 | 0.877 | | ng/L | | 88 | 50 - 150 |
| PCB-77 | 1.00 | 0.915 | | ng/L | | 91 | 50 - 150 |
| PCB-81 | 1.00 | 0.943 | | ng/L | | 94 | 50 - 150 |
| PCB-104 | 1.00 | 0.999 | | ng/L | | 100 | 50 - 150 |
| PCB-105 | 1.00 | 0.917 | | ng/L | | 92 | 50 - 150 |
| PCB-114 | 1.00 | 0.887 | | ng/L | | 89 | 50 - 150 |
| PCB-118 | 1.00 | 0.905 | | ng/L | | 90 | 50 - 150 |
| PCB-123 | 1.00 | 0.921 | | ng/L | | 92 | 50 - 150 |
| PCB-126 | 1.00 | 0.887 | | ng/L | | 89 | 50 - 150 |
| PCB-155 | 1.00 | 0.919 | | ng/L | | 92 | 50 - 150 |
| PCB-156 | 2.00 | 1.86 | C | ng/L | | 93 | 50 - 150 |
| PCB-157 | 2.00 | 1.86 | C156 | ng/L | | 93 | 50 - 150 |
| PCB-167 | 1.00 | 0.922 | | ng/L | | 92 | 50 - 150 |
| PCB-169 | 1.00 | 0.919 | | ng/L | | 92 | 50 - 150 |
| PCB-188 | 1.00 | 0.956 | | ng/L | | 96 | 50 - 150 |
| PCB-189 | 1.00 | 0.910 | | ng/L | | 91 | 50 - 150 |
| PCB-202 | 1.00 | 0.878 | | ng/L | | 88 | 50 - 150 |
| PCB-205 | 1.00 | 0.905 | | ng/L | | 91 | 50 - 150 |
| PCB-206 | 1.00 | 0.875 | | ng/L | | 88 | 50 - 150 |
| PCB-208 | 1.00 | 0.890 | | ng/L | | 89 | 50 - 150 |
| PCB-209 | 1.00 | 0.881 | | ng/L | | 88 | 50 - 150 |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-1L | 93 | | 30 - 140 |
| PCB-3L | 94 | | 30 - 140 |
| PCB-4L | 80 | | 30 - 140 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 140-33603/11-A**
**Matrix: Water**
**Analysis Batch: 33865**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 33603**

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-15L | 90 | | 30 - 140 |
| PCB-19L | 76 | | 30 - 140 |
| PCB-37L | 93 | q | 30 - 140 |
| PCB-54L | 99 | | 30 - 140 |
| PCB-77L | 96 | | 30 - 140 |
| PCB-81L | 93 | | 30 - 140 |
| PCB-104L | 81 | | 30 - 140 |
| PCB-105L | 85 | | 30 - 140 |
| PCB-114L | 85 | | 30 - 140 |
| PCB-118L | 88 | | 30 - 140 |
| PCB-123L | 85 | | 30 - 140 |
| PCB-126L | 93 | | 30 - 140 |
| PCB-155L | 90 | | 30 - 140 |
| PCB-156L | 86 | C | 30 - 140 |
| PCB-157L | 86 | C156 | 30 - 140 |
| PCB-167L | 88 | | 30 - 140 |
| PCB-169L | 96 | | 30 - 140 |
| PCB-170L | 83 | | 30 - 140 |
| PCB-188L | 83 | | 30 - 140 |
| PCB-189L | 91 | | 30 - 140 |
| PCB-202L | 92 | | 30 - 140 |
| PCB-205L | 82 | | 30 - 140 |
| PCB-206L | 72 | | 30 - 140 |
| PCB-208L | 81 | | 30 - 140 |
| PCB-209L | 61 | | 30 - 140 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-28L | 80 | | 40 - 125 |
| PCB-111L | 93 | | 40 - 125 |
| PCB-178L | 93 | | 40 - 125 |

**Lab Sample ID: MB 140-33628/12-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 0.050 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-2 | ND | | 0.050 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-3 | ND | | 0.050 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-4 | ND | | 0.10 | 0.0046 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-5 | ND | | 0.050 | 0.0024 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-6 | ND | | 0.050 | 0.0025 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-7 | ND | | 0.050 | 0.0023 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-8 | ND | | 0.10 | 0.0024 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-9 | ND | | 0.050 | 0.0027 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-10 | ND | | 0.050 | 0.0026 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-11 | 0.00944 | J q | 0.10 | 0.0023 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-12 | ND | C | 0.10 | 0.0023 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33628/12-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-13 | ND | C12 | 0.10 | 0.0023 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-14 | ND | | 0.050 | 0.0020 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-15 | ND | | 0.050 | 0.0020 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-16 | ND | | 0.050 | 0.0026 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-17 | ND | | 0.050 | 0.0021 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-18 | ND | C | 0.10 | 0.0018 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-19 | ND | | 0.050 | 0.0025 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-20 | ND | C | 0.10 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-21 | ND | C | 0.10 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-22 | ND | | 0.050 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-23 | ND | | 0.050 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-24 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-25 | ND | | 0.050 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-26 | ND | C | 0.10 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-27 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-28 | ND | C20 | 0.10 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-29 | ND | C26 | 0.10 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-30 | ND | C18 | 0.10 | 0.0018 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-31 | ND | | 0.10 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-32 | ND | | 0.050 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-33 | ND | C21 | 0.10 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-34 | ND | | 0.050 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-35 | ND | | 0.050 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-36 | ND | | 0.050 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-37 | ND | | 0.050 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-38 | ND | | 0.050 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-39 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-40 | ND | C | 0.15 | 0.00081 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-41 | ND | C40 | 0.15 | 0.00081 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-42 | ND | | 0.050 | 0.00086 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-43 | ND | C | 0.10 | 0.00075 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-44 | 0.00788 | J q C | 0.15 | 0.00072 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-45 | 0.00392 | J q C | 0.10 | 0.00084 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-46 | ND | | 0.050 | 0.00098 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-47 | 0.00788 | J q C44 | 0.15 | 0.00072 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-48 | ND | | 0.050 | 0.00079 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-49 | 0.00296 | J q C | 0.10 | 0.00066 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-50 | ND | C | 0.10 | 0.00080 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-51 | 0.00392 | J q C45 | 0.10 | 0.00084 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-52 | 0.00422 | J q | 0.050 | 0.00083 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-53 | ND | C50 | 0.10 | 0.00080 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-54 | ND | | 0.050 | 0.00077 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-55 | ND | | 0.050 | 0.00058 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-56 | ND | | 0.050 | 0.00059 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-57 | ND | | 0.050 | 0.00058 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-58 | ND | | 0.050 | 0.00056 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-59 | ND | C | 0.15 | 0.00055 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-60 | ND | | 0.050 | 0.00056 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-61 | 0.00503 | J C | 0.20 | 0.00055 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33628/12-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-62 | ND | C59 | 0.15 | 0.00055 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-63 | ND | | 0.050 | 0.00051 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-64 | ND | | 0.050 | 0.00053 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-65 | 0.00788 | J q C44 | 0.15 | 0.00072 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-66 | ND | | 0.050 | 0.00058 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-67 | ND | | 0.050 | 0.00054 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-68 | ND | | 0.050 | 0.00050 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-69 | 0.00296 | J q C49 | 0.10 | 0.00066 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-70 | 0.00503 | J C61 | 0.20 | 0.00055 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-71 | ND | C40 | 0.15 | 0.00081 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-72 | ND | | 0.050 | 0.00057 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-73 | ND | C43 | 0.10 | 0.00075 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-74 | 0.00503 | J C61 | 0.20 | 0.00055 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-75 | ND | C59 | 0.15 | 0.00055 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-76 | 0.00503 | J C61 | 0.20 | 0.00055 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-77 | ND | | 0.050 | 0.00054 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-78 | ND | | 0.050 | 0.00057 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-79 | ND | | 0.050 | 0.00048 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-80 | ND | | 0.050 | 0.00051 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-81 | ND | | 0.050 | 0.00059 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-82 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-83 | ND | C | 0.10 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-84 | 0.00264 | J q | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-85 | 0.00888 | J q C | 0.15 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-86 | ND | C | 0.30 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-87 | ND | C86 | 0.30 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-88 | ND | C | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-89 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-90 | 0.0113 | J C | 0.15 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-91 | ND | C88 | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-92 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-93 | ND | C | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-94 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-95 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-96 | ND | | 0.050 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-97 | ND | C86 | 0.30 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-98 | ND | C | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-99 | ND | C83 | 0.10 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-100 | ND | C93 | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-101 | 0.0113 | J C90 | 0.15 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-102 | ND | C98 | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-103 | ND | | 0.050 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-104 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-105 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-106 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-107 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-108 | ND | C | 0.10 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-109 | ND | C86 | 0.30 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-110 | ND | C | 0.10 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33628/12-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-111 | ND | | 0.050 | 0.00099 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-112 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-113 | 0.0113 | J C90 | 0.15 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-114 | ND | | 0.050 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-115 | ND | C110 | 0.10 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-116 | 0.00888 | J q C85 | 0.15 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-117 | 0.00888 | J q C85 | 0.15 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-118 | 0.00647 | J | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-119 | ND | C86 | 0.30 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-120 | ND | | 0.050 | 0.00095 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-121 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-122 | ND | | 0.050 | 0.0017 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-123 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-124 | ND | C108 | 0.10 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-125 | ND | C86 | 0.30 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-126 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-127 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-128 | 0.00195 | J q C | 0.10 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-129 | 0.00830 | J q C | 0.20 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-130 | ND | | 0.050 | 0.0017 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-131 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-132 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-133 | ND | | 0.050 | 0.0015 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-134 | ND | C | 0.10 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-135 | 0.00245 | J q C | 0.10 | 0.00081 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-136 | 0.00186 | J | 0.050 | 0.00061 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-137 | ND | | 0.050 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-138 | 0.00830 | J q C129 | 0.20 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-139 | ND | C | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-140 | ND | C139 | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-141 | ND | | 0.050 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-142 | ND | | 0.050 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-143 | ND | C134 | 0.10 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-144 | ND | | 0.050 | 0.00077 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-145 | ND | | 0.050 | 0.00059 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-146 | 0.00208 | J | 0.050 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-147 | 0.00448 | J q C | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-148 | ND | | 0.050 | 0.00078 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-149 | 0.00448 | J q C147 | 0.10 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-150 | ND | | 0.050 | 0.00057 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-151 | 0.00245 | J q C135 | 0.10 | 0.00081 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-152 | ND | | 0.050 | 0.00056 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-153 | 0.00601 | J q C | 0.10 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-154 | ND | | 0.050 | 0.00069 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-155 | ND | | 0.050 | 0.00054 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-156 | ND | C | 0.10 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-157 | ND | C156 | 0.10 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-158 | ND | | 0.050 | 0.00099 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-159 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33628/12-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-160 | 0.00830 | J q C129 | 0.20 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-161 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-162 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-163 | 0.00830 | J q C129 | 0.20 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-164 | ND | | 0.050 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-165 | ND | | 0.050 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-166 | 0.00195 | J q C128 | 0.10 | 0.0012 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-167 | ND | | 0.050 | 0.00087 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-168 | 0.00601 | J q C153 | 0.10 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-169 | ND | | 0.050 | 0.00098 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-170 | 0.00137 | J q | 0.050 | 0.00079 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-171 | ND | C | 0.10 | 0.00076 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-172 | ND | | 0.050 | 0.00074 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-173 | ND | C171 | 0.10 | 0.00076 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-174 | 0.00169 | J | 0.050 | 0.00077 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-175 | ND | | 0.050 | 0.00069 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-176 | ND | | 0.050 | 0.00048 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-177 | 0.00137 | J q | 0.050 | 0.00078 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-178 | ND | | 0.050 | 0.00072 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-179 | ND | | 0.050 | 0.00052 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-180 | 0.00438 | J C | 0.10 | 0.00060 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-181 | ND | | 0.050 | 0.00066 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-182 | ND | | 0.050 | 0.00064 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-183 | 0.00287 | J q C | 0.10 | 0.00065 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-184 | ND | | 0.050 | 0.00052 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-185 | 0.00287 | J q C183 | 0.10 | 0.00065 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-186 | ND | | 0.050 | 0.00051 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-187 | 0.00228 | J q | 0.050 | 0.00066 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-188 | ND | | 0.050 | 0.00046 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-189 | ND | | 0.050 | 0.00080 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-190 | 0.000538 | J q | 0.050 | 0.00053 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-191 | ND | | 0.050 | 0.00053 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-192 | ND | | 0.050 | 0.00057 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-193 | 0.00438 | J C180 | 0.10 | 0.00060 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-194 | ND | | 0.050 | 0.00081 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-195 | ND | | 0.050 | 0.00096 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-196 | ND | | 0.050 | 0.00084 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-197 | ND | | 0.050 | 0.00061 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-198 | 0.00120 | J q C | 0.10 | 0.00090 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-199 | 0.00120 | J q C198 | 0.10 | 0.00090 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-200 | ND | | 0.050 | 0.00065 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-201 | ND | | 0.050 | 0.00062 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-202 | ND | | 0.050 | 0.00070 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-203 | ND | | 0.050 | 0.00080 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-204 | ND | | 0.050 | 0.00067 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-205 | ND | | 0.050 | 0.00061 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-206 | ND | | 0.050 | 0.0036 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-207 | ND | | 0.050 | 0.0026 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| PCB-208 | ND | | 0.050 | 0.0028 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-33628/12-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-209 | ND | | 0.050 | 0.0010 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Monochlorobiphenyls | ND | | 0.050 | 0.0013 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Dichlorobiphenyls | 0.00944 | J | 0.10 | 0.0026 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Trichlorobiphenyls | ND | | 0.10 | 0.0026 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Tetrachlorobiphenyls | 0.0240 | J | 0.20 | 0.00064 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Pentachlorobiphenyls | 0.0293 | J | 0.30 | 0.0014 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Hexachlorobiphenyls | 0.0271 | J | 0.20 | 0.0011 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Heptachlorobiphenyls | 0.0145 | J | 0.10 | 0.00064 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Octachlorobiphenyls | 0.00120 | J | 0.10 | 0.00074 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Total Nonachlorobiphenyls | ND | | 0.050 | 0.0036 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |
| Polychlorinated biphenyls, Total | 0.106 | J | 0.30 | 0.0016 | ng/g | | 09/17/19 12:25 | 10/03/19 14:39 | 5 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *59* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-3L* | *66* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-4L* | *70* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-15L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-19L* | *73* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-37L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-54L* | *63* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-77L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-81L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-104L* | *93* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-105L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-114L* | *78* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-118L* | *79* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-123L* | *76* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-126L* | *82* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-155L* | *105* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-156L* | *82* | *C* | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-157L* | *82* | *C156* | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-167L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-169L* | *92* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-170L* | *75* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-188L* | *80* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-189L* | *83* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-202L* | *90* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-205L* | *76* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-206L* | *74* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-208L* | *77* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-209L* | *73* | | *30 - 140* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *78* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-111L* | *94* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |
| *PCB-178L* | *94* | | *40 - 125* | *09/17/19 12:25* | *10/03/19 14:39* | *5* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 140-33628/13-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | | | 0.500 | 0.461 | | ng/g | | 92 | 50 - 150 | | |
| PCB-3 | | | 0.500 | 0.483 | | ng/g | | 97 | 50 - 150 | | |
| PCB-4 | | | 0.500 | 0.477 | | ng/g | | 95 | 50 - 150 | | |
| PCB-15 | | | 0.500 | 0.439 | | ng/g | | 88 | 50 - 150 | | |
| PCB-19 | | | 0.500 | 0.440 | | ng/g | | 88 | 50 - 150 | | |
| PCB-37 | | | 0.500 | 0.470 | | ng/g | | 94 | 50 - 150 | | |
| PCB-54 | | | 0.500 | 0.458 | | ng/g | | 92 | 50 - 150 | | |
| PCB-77 | | | 0.500 | 0.466 | | ng/g | | 93 | 50 - 150 | | |
| PCB-81 | | | 0.500 | 0.495 | | ng/g | | 99 | 50 - 150 | | |
| PCB-104 | | | 0.500 | 0.480 | | ng/g | | 96 | 50 - 150 | | |
| PCB-105 | | | 0.500 | 0.482 | | ng/g | | 96 | 50 - 150 | | |
| PCB-114 | | | 0.500 | 0.489 | | ng/g | | 98 | 50 - 150 | | |
| PCB-118 | | | 0.500 | 0.465 | | ng/g | | 93 | 50 - 150 | | |
| PCB-123 | | | 0.500 | 0.462 | | ng/g | | 92 | 50 - 150 | | |
| PCB-126 | | | 0.500 | 0.463 | | ng/g | | 93 | 50 - 150 | | |
| PCB-155 | | | 0.500 | 0.439 | | ng/g | | 88 | 50 - 150 | | |
| PCB-156 | | | 1.00 | 0.924 | C | ng/g | | 92 | 50 - 150 | | |
| PCB-157 | | | 1.00 | 0.924 | C156 | ng/g | | 92 | 50 - 150 | | |
| PCB-167 | | | 0.500 | 0.473 | | ng/g | | 95 | 50 - 150 | | |
| PCB-169 | | | 0.500 | 0.460 | | ng/g | | 92 | 50 - 150 | | |
| PCB-188 | | | 0.500 | 0.442 | | ng/g | | 88 | 50 - 150 | | |
| PCB-189 | | | 0.500 | 0.496 | | ng/g | | 99 | 50 - 150 | | |
| PCB-202 | | | 0.500 | 0.456 | | ng/g | | 91 | 50 - 150 | | |
| PCB-205 | | | 0.500 | 0.461 | | ng/g | | 92 | 50 - 150 | | |
| PCB-206 | | | 0.500 | 0.463 | | ng/g | | 93 | 50 - 150 | | |
| PCB-208 | | | 0.500 | 0.436 | | ng/g | | 87 | 50 - 150 | | |
| PCB-209 | | | 0.500 | 0.471 | | ng/g | | 94 | 50 - 150 | | |

| *Isotope Dilution* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-1L* | *59* | | *30 - 140* |
| *PCB-3L* | *61* | | *30 - 140* |
| *PCB-4L* | *64* | | *30 - 140* |
| *PCB-15L* | *73* | | *30 - 140* |
| *PCB-19L* | *64* | | *30 - 140* |
| *PCB-37L* | *76* | | *30 - 140* |
| *PCB-54L* | *63* | | *30 - 140* |
| *PCB-77L* | *79* | | *30 - 140* |
| *PCB-81L* | *77* | | *30 - 140* |
| *PCB-104L* | *82* | | *30 - 140* |
| *PCB-105L* | *72* | | *30 - 140* |
| *PCB-114L* | *70* | | *30 - 140* |
| *PCB-118L* | *74* | | *30 - 140* |
| *PCB-123L* | *75* | | *30 - 140* |
| *PCB-126L* | *82* | | *30 - 140* |
| *PCB-155L* | *96* | | *30 - 140* |
| *PCB-156L* | *82* | *C* | *30 - 140* |
| *PCB-157L* | *82* | *C156* | *30 - 140* |
| *PCB-167L* | *80* | | *30 - 140* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 140-33628/13-B**
**Matrix: Solid**
**Analysis Batch: 34146**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 33628**

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-169L | 97 | | 30 - 140 |
| PCB-170L | 72 | | 30 - 140 |
| PCB-188L | 76 | | 30 - 140 |
| PCB-189L | 71 | | 30 - 140 |
| PCB-202L | 83 | | 30 - 140 |
| PCB-205L | 70 | | 30 - 140 |
| PCB-206L | 69 | | 30 - 140 |
| PCB-208L | 73 | | 30 - 140 |
| PCB-209L | 73 | | 30 - 140 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-28L | 77 | | 40 - 125 |
| PCB-111L | 89 | | 40 - 125 |
| PCB-178L | 84 | | 40 - 125 |

**Lab Sample ID: MB 140-34150/12-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-2 | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-3 | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-4 | ND | | 0.020 | 0.00048 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-5 | ND | | 0.010 | 0.00032 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-6 | ND | | 0.010 | 0.00032 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-7 | ND | | 0.010 | 0.00031 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-8 | ND | | 0.020 | 0.00032 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-9 | ND | | 0.010 | 0.00035 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-10 | ND | | 0.010 | 0.00034 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-11 | 0.00284 | J q | 0.020 | 0.00031 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-12 | ND | C | 0.020 | 0.00031 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-13 | ND | C12 | 0.020 | 0.00031 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-14 | ND | | 0.010 | 0.00027 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-15 | ND | | 0.010 | 0.00031 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-16 | ND | | 0.010 | 0.00033 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-17 | 0.000590 | J q | 0.010 | 0.00026 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-18 | 0.000818 | J C q | 0.020 | 0.00022 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-19 | ND | | 0.010 | 0.00031 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-20 | 0.000973 | J C q | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-21 | 0.000521 | J C q | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-22 | 0.000526 | J | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-23 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-24 | ND | | 0.010 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-25 | ND | | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-26 | 0.000251 | J C | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-27 | ND | | 0.010 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-28 | 0.000973 | J C20 q | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-34150/12-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-29 | 0.000251 | J C26 | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-30 | 0.000818 | J C18 q | 0.020 | 0.00022 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-31 | 0.000485 | J q | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-32 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-33 | 0.000521 | J C21 q | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-34 | ND | | 0.010 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-35 | ND | | 0.010 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-36 | ND | | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-37 | 0.000354 | J q | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-38 | ND | | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-39 | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-40 | ND | C | 0.030 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-41 | ND | C40 | 0.030 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-42 | ND | | 0.010 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-43 | ND | C | 0.020 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-44 | 0.00405 | J C | 0.030 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-45 | 0.000984 | J C q | 0.020 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-46 | ND | | 0.010 | 0.00022 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-47 | 0.00405 | J C44 | 0.030 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-48 | ND | | 0.010 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-49 | 0.00140 | J C | 0.020 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-50 | ND | C | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-51 | 0.000984 | J C45 q | 0.020 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-52 | 0.00240 | J q | 0.010 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-53 | ND | C50 | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-54 | ND | | 0.010 | 0.000086 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-55 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-56 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-57 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-58 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-59 | ND | C | 0.030 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-60 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-61 | 0.00257 | J C | 0.040 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-62 | ND | C59 | 0.030 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-63 | ND | | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-64 | ND | | 0.010 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-65 | 0.00405 | J C44 | 0.030 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-66 | 0.00129 | J q | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-67 | ND | | 0.010 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-68 | 0.000264 | J q | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-69 | 0.00140 | J C49 | 0.020 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-70 | 0.00257 | J C61 | 0.040 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-71 | ND | C40 | 0.030 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-72 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-73 | ND | C43 | 0.020 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-74 | 0.00257 | J C61 | 0.040 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-75 | ND | C59 | 0.030 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-76 | 0.00257 | J C61 | 0.040 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-77 | ND | | 0.010 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-34150/12-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-78 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-79 | ND | | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-80 | ND | | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-81 | ND | | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-82 | 0.000720 | J | 0.010 | 0.00027 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-83 | 0.00292 | J C q | 0.020 | 0.00025 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-84 | 0.00137 | J q | 0.010 | 0.00028 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-85 | ND | C | 0.030 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-86 | 0.00303 | J C q | 0.060 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-87 | 0.00303 | J C86 q | 0.060 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-88 | 0.000989 | J C q | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-89 | ND | | 0.010 | 0.00027 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-90 | 0.00493 | J C q | 0.030 | 0.00021 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-91 | 0.000989 | J C88 q | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-92 | 0.00109 | J | 0.010 | 0.00025 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-93 | ND | C | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-94 | ND | | 0.010 | 0.00026 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-95 | 0.00462 | J | 0.010 | 0.00025 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-96 | ND | | 0.010 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-97 | 0.00303 | J C86 q | 0.060 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-98 | ND | C | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-99 | 0.00292 | J C83 q | 0.020 | 0.00025 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-100 | ND | C93 | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-101 | 0.00493 | J C90 q | 0.030 | 0.00021 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-102 | ND | C98 | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-103 | ND | | 0.010 | 0.00023 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-104 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-105 | 0.00134 | J | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-106 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-107 | 0.000250 | J q | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-108 | ND | C | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-109 | 0.00303 | J C86 q | 0.060 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-110 | 0.00562 | J C | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-111 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-112 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-113 | 0.00493 | J C90 q | 0.030 | 0.00021 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-114 | ND | | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-115 | 0.00562 | J C110 | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-116 | ND | C85 | 0.030 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-117 | ND | C85 | 0.030 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-118 | 0.00410 | J | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-119 | 0.00303 | J C86 q | 0.060 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-120 | ND | | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-121 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-122 | 0.000231 | J q | 0.010 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-123 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-124 | ND | C108 | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-125 | 0.00303 | J C86 q | 0.060 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-126 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-34150/12-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-127 | ND | | 0.010 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-128 | 0.00106 | J C | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-129 | 0.00442 | J C | 0.040 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-130 | 0.000426 | J | 0.010 | 0.00025 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-131 | ND | | 0.010 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-132 | 0.00157 | J | 0.010 | 0.00023 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-133 | ND | | 0.010 | 0.00022 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-134 | ND | C | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-135 | 0.00198 | J C | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-136 | 0.000627 | J q | 0.010 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-137 | ND | | 0.010 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-138 | 0.00442 | J C129 | 0.040 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-139 | ND | C | 0.020 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-140 | ND | C139 | 0.020 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-141 | 0.000814 | J q | 0.010 | 0.00021 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-142 | ND | | 0.010 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-143 | ND | C134 | 0.020 | 0.00024 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-144 | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-145 | ND | | 0.010 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-146 | 0.00114 | J | 0.010 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-147 | 0.00430 | J C | 0.020 | 0.00021 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-148 | ND | | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-149 | 0.00430 | J C147 | 0.020 | 0.00021 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-150 | ND | | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-151 | 0.00198 | J C135 | 0.020 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-152 | ND | | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-153 | 0.00389 | J C | 0.020 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-154 | ND | | 0.010 | 0.00014 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-155 | ND | | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-156 | 0.000994 | J C q | 0.020 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-157 | 0.000994 | J C156 q | 0.020 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-158 | 0.000576 | J q | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-159 | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-160 | 0.00442 | J C129 | 0.040 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-161 | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-162 | 0.000223 | J q | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-163 | 0.00442 | J C129 | 0.040 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-164 | 0.000539 | J | 0.010 | 0.00016 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-165 | ND | | 0.010 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-166 | 0.00106 | J C128 | 0.020 | 0.00018 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-167 | 0.000365 | J q | 0.010 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-168 | 0.00389 | J C153 | 0.020 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-169 | 0.000274 | J | 0.010 | 0.00014 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-170 | 0.00106 | J | 0.010 | 0.000086 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-171 | 0.000912 | J C q | 0.020 | 0.000085 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-172 | 0.000153 | J q | 0.010 | 0.000082 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-173 | 0.000912 | J C171 q | 0.020 | 0.000085 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-174 | 0.000966 | J q | 0.010 | 0.000085 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-175 | ND | | 0.010 | 0.000076 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-34150/12-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-176 | 0.000204 | J q | 0.010 | 0.000054 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-177 | 0.000831 | J q | 0.010 | 0.000087 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-178 | 0.000239 | J q | 0.010 | 0.000080 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-179 | 0.000526 | J q | 0.010 | 0.000058 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-180 | 0.00223 | J C q | 0.020 | 0.000066 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-181 | ND | | 0.010 | 0.000074 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-182 | ND | | 0.010 | 0.000071 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-183 | 0.00146 | J C | 0.020 | 0.000072 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-184 | ND | | 0.010 | 0.000057 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-185 | 0.00146 | J C183 | 0.020 | 0.000072 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-186 | ND | | 0.010 | 0.000057 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-187 | 0.00159 | J | 0.010 | 0.000073 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-188 | ND | | 0.010 | 0.000052 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-189 | 0.000215 | J q | 0.010 | 0.000083 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-190 | 0.000447 | J | 0.010 | 0.000059 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-191 | ND | | 0.010 | 0.000059 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-192 | ND | | 0.010 | 0.000063 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-193 | 0.00223 | J C180 q | 0.020 | 0.000066 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-194 | 0.000634 | J | 0.010 | 0.000086 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-195 | 0.000380 | J q | 0.010 | 0.00010 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-196 | 0.000412 | J | 0.010 | 0.00013 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-197 | 0.000341 | J q | 0.010 | 0.000092 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-198 | 0.000721 | J C q | 0.020 | 0.00014 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-199 | 0.000721 | J C198 q | 0.020 | 0.00014 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-200 | ND | | 0.010 | 0.000099 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-201 | 0.000294 | J q | 0.010 | 0.000094 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-202 | 0.000377 | J | 0.010 | 0.00011 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-203 | ND | | 0.010 | 0.00012 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-204 | ND | | 0.010 | 0.00010 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-205 | ND | | 0.010 | 0.000065 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-206 | ND | | 0.010 | 0.00066 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-207 | ND | | 0.010 | 0.00047 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-208 | ND | | 0.010 | 0.00048 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-209 | ND | | 0.010 | 0.000077 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Monochlorobiphenyls | ND | | 0.010 | 0.00015 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Dichlorobiphenyls | 0.00284 | J q | 0.020 | 0.00033 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Trichlorobiphenyls | 0.00452 | J q | 0.020 | 0.00019 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Tetrachlorobiphenyls | 0.0130 | J q | 0.040 | 0.00014 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Pentachlorobiphenyls | 0.0312 | J q | 0.060 | 0.00020 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Hexachlorobiphenyls | 0.0232 | J q | 0.040 | 0.00017 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Heptachlorobiphenyls | 0.0108 | J q | 0.020 | 0.000070 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Octachlorobiphenyls | 0.00316 | J q | 0.020 | 0.00010 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Total Nonachlorobiphenyls | ND | | 0.010 | 0.00066 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| Polychlorinated biphenyls, Total | 0.0887 | q | 0.060 | 0.00022 | ng/g | | 10/03/19 11:21 | 10/09/19 16:44 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *67* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 16:44* | *1* |
| *PCB-3L* | *70* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 16:44* | *1* |
| *PCB-4L* | *66* | | *30 - 140* | *10/03/19 11:21* | *10/09/19 16:44* | *1* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 140-34150/12-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-15L | 74 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-19L | 64 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-37L | 76 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-54L | 63 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-77L | 80 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-81L | 76 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-104L | 77 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-105L | 76 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-114L | 75 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-118L | 78 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-123L | 75 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-126L | 85 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-155L | 87 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-156L | 82 | C | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-157L | 82 | C156 | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-167L | 82 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-169L | 91 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-170L | 74 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-188L | 74 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-189L | 88 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-202L | 82 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-205L | 75 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-206L | 69 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-208L | 74 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-209L | 65 | | 30 - 140 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 71 | | 40 - 125 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-111L | 85 | | 40 - 125 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |
| PCB-178L | 84 | | 40 - 125 | 10/03/19 11:21 | 10/09/19 16:44 | 1 |

**Lab Sample ID: LCS 140-34150/13-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| PCB-1 | 0.500 | 0.492 | | ng/g | | 98 | 50 - 150 |
| PCB-3 | 0.500 | 0.493 | | ng/g | | 99 | 50 - 150 |
| PCB-4 | 0.500 | 0.493 | | ng/g | | 99 | 50 - 150 |
| PCB-15 | 0.500 | 0.472 | | ng/g | | 94 | 50 - 150 |
| PCB-19 | 0.500 | 0.473 | | ng/g | | 95 | 50 - 150 |
| PCB-37 | 0.500 | 0.514 | | ng/g | | 103 | 50 - 150 |
| PCB-54 | 0.500 | 0.495 | | ng/g | | 99 | 50 - 150 |
| PCB-77 | 0.500 | 0.474 | | ng/g | | 95 | 50 - 150 |
| PCB-81 | 0.500 | 0.489 | | ng/g | | 98 | 50 - 150 |
| PCB-104 | 0.500 | 0.472 | | ng/g | | 94 | 50 - 150 |
| PCB-105 | 0.500 | 0.501 | | ng/g | | 100 | 50 - 150 |
| PCB-114 | 0.500 | 0.482 | | ng/g | | 96 | 50 - 150 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 140-34150/13-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | 0.500 | 0.492 | | ng/g | | 98 | 50 - 150 | | |
| PCB-123 | | | 0.500 | 0.492 | | ng/g | | 98 | 50 - 150 | | |
| PCB-126 | | | 0.500 | 0.479 | | ng/g | | 96 | 50 - 150 | | |
| PCB-155 | | | 0.500 | 0.458 | | ng/g | | 92 | 50 - 150 | | |
| PCB-156 | | | 1.00 | 0.962 | C | ng/g | | 96 | 50 - 150 | | |
| PCB-157 | | | 1.00 | 0.962 | C156 | ng/g | | 96 | 50 - 150 | | |
| PCB-167 | | | 0.500 | 0.480 | | ng/g | | 96 | 50 - 150 | | |
| PCB-169 | | | 0.500 | 0.477 | | ng/g | | 95 | 50 - 150 | | |
| PCB-188 | | | 0.500 | 0.475 | | ng/g | | 95 | 50 - 150 | | |
| PCB-189 | | | 0.500 | 0.498 | | ng/g | | 100 | 50 - 150 | | |
| PCB-202 | | | 0.500 | 0.467 | | ng/g | | 93 | 50 - 150 | | |
| PCB-205 | | | 0.500 | 0.480 | | ng/g | | 96 | 50 - 150 | | |
| PCB-206 | | | 0.500 | 0.468 | | ng/g | | 94 | 50 - 150 | | |
| PCB-208 | | | 0.500 | 0.477 | | ng/g | | 95 | 50 - 150 | | |
| PCB-209 | | | 0.500 | 0.467 | | ng/g | | 93 | 50 - 150 | | |

| *Isotope Dilution* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-1L* | *77* | | *30 - 140* |
| *PCB-3L* | *74* | | *30 - 140* |
| *PCB-4L* | *71* | | *30 - 140* |
| *PCB-15L* | *76* | | *30 - 140* |
| *PCB-19L* | *71* | | *30 - 140* |
| *PCB-37L* | *78* | | *30 - 140* |
| *PCB-54L* | *68* | | *30 - 140* |
| *PCB-77L* | *82* | | *30 - 140* |
| *PCB-81L* | *78* | | *30 - 140* |
| *PCB-104L* | *83* | | *30 - 140* |
| *PCB-105L* | *76* | | *30 - 140* |
| *PCB-114L* | *76* | | *30 - 140* |
| *PCB-118L* | *78* | | *30 - 140* |
| *PCB-123L* | *76* | | *30 - 140* |
| *PCB-126L* | *87* | | *30 - 140* |
| *PCB-155L* | *90* | | *30 - 140* |
| *PCB-156L* | *83* | *C* | *30 - 140* |
| *PCB-157L* | *83* | *C156* | *30 - 140* |
| *PCB-167L* | *82* | | *30 - 140* |
| *PCB-169L* | *93* | | *30 - 140* |
| *PCB-170L* | *78* | | *30 - 140* |
| *PCB-188L* | *78* | | *30 - 140* |
| *PCB-189L* | *93* | | *30 - 140* |
| *PCB-202L* | *86* | | *30 - 140* |
| *PCB-205L* | *79* | | *30 - 140* |
| *PCB-206L* | *70* | | *30 - 140* |
| *PCB-208L* | *77* | | *30 - 140* |
| *PCB-209L* | *68* | | *30 - 140* |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-28L* | *74* | | *40 - 125* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 140-34150/13-B**
**Matrix: Solid**
**Analysis Batch: 34298**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 34150**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-111L* | *88* | | *40 - 125* |
| *PCB-178L* | *93* | | *40 - 125* |

## Method: Moisture - Percent Moisture

**Lab Sample ID: 580-88908-26 DU**
**Matrix: Solid**
**Analysis Batch: 33470**

**Client Sample ID: J5-SC1b-20to30-82719**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Percent Moisture | 49.5 | | | 48.4 | | % | | | | 2 | |
| Percent Solids | 50.5 | | | 51.6 | | % | | | | 2 | |

## Specialty Organics

### Prep Batch: 33603

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-74 | 711-82719 | Total/NA | Water | HRMS-Sepf | |
| MB 140-33603/10-A | Method Blank | Total/NA | Water | HRMS-Sepf | |
| LCS 140-33603/11-A | Lab Control Sample | Total/NA | Water | HRMS-Sepf | |

### Prep Batch: 33628

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-26 | J5-SC1b-20to30-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-27 | J5-SC1b-30to40-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-28 | J5-SC1b-40to50-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-29 | J5-SC1b-50to60-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-30 | J5-SC1b-60to70-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-31 | J5-SC1b-70to80-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-32 | J5-SC1b-80to90-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-33 | J5-SC1b-90to100-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-34 | J5-SC1b-100to110-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-35 | J5-SC1b-00to10-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-36 | J5-SC1b-10to20-82719 | Total/NA | Solid | HRMS-Sox | |
| MB 140-33628/12-B | Method Blank | Total/NA | Solid | HRMS-Sox | |
| LCS 140-33628/13-B | Lab Control Sample | Total/NA | Solid | HRMS-Sox | |

### Cleanup Batch: 33702

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-26 | J5-SC1b-20to30-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-27 | J5-SC1b-30to40-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-28 | J5-SC1b-40to50-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-29 | J5-SC1b-50to60-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-30 | J5-SC1b-60to70-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-31 | J5-SC1b-70to80-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-32 | J5-SC1b-80to90-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-33 | J5-SC1b-90to100-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-34 | J5-SC1b-100to110-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-35 | J5-SC1b-00to10-82719 | Total/NA | Solid | Split | 33628 |
| 580-88908-36 | J5-SC1b-10to20-82719 | Total/NA | Solid | Split | 33628 |
| MB 140-33628/12-B | Method Blank | Total/NA | Solid | Split | 33628 |
| LCS 140-33628/13-B | Lab Control Sample | Total/NA | Solid | Split | 33628 |

### Analysis Batch: 33865

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-74 | 711-82719 | Total/NA | Water | 1668A | 33603 |
| MB 140-33603/10-A | Method Blank | Total/NA | Water | 1668A | 33603 |
| LCS 140-33603/11-A | Lab Control Sample | Total/NA | Water | 1668A | 33603 |

### Analysis Batch: 33925

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-28 | J5-SC1b-40to50-82719 | Total/NA | Solid | 1668A | 33702 |

### Analysis Batch: 34146

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-26 | J5-SC1b-20to30-82719 | Total/NA | Solid | 1668A | 33702 |
| 580-88908-27 | J5-SC1b-30to40-82719 | Total/NA | Solid | 1668A | 33702 |
| 580-88908-29 | J5-SC1b-50to60-82719 | Total/NA | Solid | 1668A | 33702 |

## Specialty Organics (Continued)

### Analysis Batch: 34146 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-30 | J5-SC1b-60to70-82719 | Total/NA | Solid | 1668A | 33702 |
| 580-88908-31 | J5-SC1b-70to80-82719 | Total/NA | Solid | 1668A | 33702 |
| 580-88908-32 | J5-SC1b-80to90-82719 | Total/NA | Solid | 1668A | 33702 |
| MB 140-33628/12-B | Method Blank | Total/NA | Solid | 1668A | 33702 |
| LCS 140-33628/13-B | Lab Control Sample | Total/NA | Solid | 1668A | 33702 |

### Prep Batch: 34150

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | Total/NA | Solid | HRMS-Sox | |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | Total/NA | Solid | HRMS-Sox | |
| MB 140-34150/12-B | Method Blank | Total/NA | Solid | HRMS-Sox | |
| LCS 140-34150/13-B | Lab Control Sample | Total/NA | Solid | HRMS-Sox | |

### Analysis Batch: 34168

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-33 | J5-SC1b-90to100-82719 | Total/NA | Solid | 1668A | 33702 |
| 580-88908-34 | J5-SC1b-100to110-82719 | Total/NA | Solid | 1668A | 33702 |
| 580-88908-35 | J5-SC1b-00to10-82719 | Total/NA | Solid | 1668A | 33702 |
| 580-88908-36 | J5-SC1b-10to20-82719 | Total/NA | Solid | 1668A | 33702 |

### Cleanup Batch: 34179

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | Total/NA | Solid | Split | 34150 |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | Total/NA | Solid | Split | 34150 |
| MB 140-34150/12-B | Method Blank | Total/NA | Solid | Split | 34150 |
| LCS 140-34150/13-B | Lab Control Sample | Total/NA | Solid | Split | 34150 |

### Analysis Batch: 34298

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-27 - RE | J5-SC1b-30to40-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-28 - RE | J5-SC1b-40to50-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-29 - RE | J5-SC1b-50to60-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-36 - RE | J5-SC1b-10to20-82719 | Total/NA | Solid | 1668A | 34179 |

## Specialty Organics (Continued)

### Analysis Batch: 34298 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 140-34150/12-B | Method Blank | Total/NA | Solid | 1668A | 34179 |
| LCS 140-34150/13-B | Lab Control Sample | Total/NA | Solid | 1668A | 34179 |

### Analysis Batch: 34314

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-26 - RE | J5-SC1b-20to30-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-30 - RE | J5-SC1b-60to70-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-31 - RE | J5-SC1b-70to80-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-32 - RE | J5-SC1b-80to90-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-33 - RE | J5-SC1b-90to100-82719 | Total/NA | Solid | 1668A | 34179 |
| 580-88908-34 - RE | J5-SC1b-100to110-82719 | Total/NA | Solid | 1668A | 34179 |

### Analysis Batch: 34365

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-35 - RE | J5-SC1b-00to10-82719 | Total/NA | Solid | 1668A | 34179 |

## General Chemistry

### Analysis Batch: 33470

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 580-88908-26 | J5-SC1b-20to30-82719 | Total/NA | Solid | Moisture | |
| 580-88908-27 | J5-SC1b-30to40-82719 | Total/NA | Solid | Moisture | |
| 580-88908-28 | J5-SC1b-40to50-82719 | Total/NA | Solid | Moisture | |
| 580-88908-29 | J5-SC1b-50to60-82719 | Total/NA | Solid | Moisture | |
| 580-88908-30 | J5-SC1b-60to70-82719 | Total/NA | Solid | Moisture | |
| 580-88908-31 | J5-SC1b-70to80-82719 | Total/NA | Solid | Moisture | |
| 580-88908-32 | J5-SC1b-80to90-82719 | Total/NA | Solid | Moisture | |
| 580-88908-33 | J5-SC1b-90to100-82719 | Total/NA | Solid | Moisture | |
| 580-88908-34 | J5-SC1b-100to110-82719 | Total/NA | Solid | Moisture | |
| 580-88908-35 | J5-SC1b-00to10-82719 | Total/NA | Solid | Moisture | |
| 580-88908-36 | J5-SC1b-10to20-82719 | Total/NA | Solid | Moisture | |
| 580-88908-26 DU | J5-SC1b-20to30-82719 | Total/NA | Solid | Moisture | |

# Lab Chronicle

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Client Sample ID: J5-SC1b-20to30-82719
**Lab Sample ID: 580-88908-26**
**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-20to30-82719
**Lab Sample ID: 580-88908-26**
**Date Collected: 08/27/19 14:55**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 50.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34146 | 10/03/19 15:41 | JMN | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 5 | 34314 | 10/10/19 04:06 | LKM | TAL KNX |

## Client Sample ID: J5-SC1b-30to40-82719
**Lab Sample ID: 580-88908-27**
**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-30to40-82719
**Lab Sample ID: 580-88908-27**
**Date Collected: 08/27/19 15:00**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 52.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34146 | 10/03/19 16:43 | JMN | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34298 | 10/09/19 21:54 | MSD | TAL KNX |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**
**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-40to50-82719
**Lab Sample ID: 580-88908-28**
**Date Collected: 08/27/19 16:10**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 54.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 33925 | 09/26/19 04:52 | PMP | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34298 | 10/09/19 17:46 | MSD | TAL KNX |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**
**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-50to60-82719
**Lab Sample ID: 580-88908-29**
**Date Collected: 08/27/19 16:15**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 55.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34146 | 10/03/19 17:45 | JMN | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34298 | 10/09/19 18:48 | MSD | TAL KNX |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**
**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-60to70-82719
**Lab Sample ID: 580-88908-30**
**Date Collected: 08/27/19 16:20**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 56.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34146 | 10/03/19 18:47 | JMN | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 5 | 34314 | 10/10/19 05:07 | LKM | TAL KNX |

# Lab Chronicle

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Client Sample ID: J5-SC1b-70to80-82719
**Lab Sample ID: 580-88908-31**
**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-70to80-82719
**Lab Sample ID: 580-88908-31**
**Date Collected: 08/27/19 16:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 65.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34146 | 10/03/19 19:49 | JMN | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34314 | 10/10/19 06:10 | LKM | TAL KNX |

## Client Sample ID: J5-SC1b-80to90-82719
**Lab Sample ID: 580-88908-32**
**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-80to90-82719
**Lab Sample ID: 580-88908-32**
**Date Collected: 08/27/19 17:25**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34146 | 10/03/19 20:51 | JMN | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34314 | 10/10/19 07:11 | LKM | TAL KNX |

## Client Sample ID: J5-SC1b-90to100-82719
**Lab Sample ID: 580-88908-33**
**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-90to100-82719
**Lab Sample ID: 580-88908-33**
**Date Collected: 08/27/19 17:30**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 71.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34168 | 10/04/19 02:55 | LKM | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34314 | 10/10/19 08:13 | LKM | TAL KNX |

## Client Sample ID: J5-SC1b-100to110-82719
**Lab Sample ID: 580-88908-34**
**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-100to110-82719
**Lab Sample ID: 580-88908-34**
**Date Collected: 08/27/19 17:35**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 70.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34168 | 10/04/19 03:57 | LKM | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34314 | 10/10/19 09:14 | LKM | TAL KNX |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**
**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-00to10-82719
**Lab Sample ID: 580-88908-35**
**Date Collected: 08/27/19 14:45**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 45.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34168 | 10/04/19 04:59 | LKM | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 5 | 34365 | 10/11/19 16:00 | JMN | TAL KNX |

# Lab Chronicle

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Client Sample ID: J5-SC1b-10to20-82719
**Lab Sample ID: 580-88908-36**
**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 33470 | 09/11/19 15:55 | KW1 | TAL KNX |

## Client Sample ID: J5-SC1b-10to20-82719
**Lab Sample ID: 580-88908-36**
**Date Collected: 08/27/19 14:50**
**Matrix: Solid**
**Date Received: 09/03/19 15:00**
**Percent Solids: 49.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sox | | | 33628 | 09/17/19 12:25 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | | | 33702 | 09/19/19 06:45 | EBS | TAL KNX |
| Total/NA | Analysis | 1668A | | 5 | 34168 | 10/04/19 06:01 | LKM | TAL KNX |
| Total/NA | Prep | HRMS-Sox | RE | | 34150 | 10/03/19 11:21 | SSS | TAL KNX |
| Total/NA | Cleanup | Split | RE | | 34179 | 10/04/19 10:40 | ALS | TAL KNX |
| Total/NA | Analysis | 1668A | RE | 1 | 34298 | 10/09/19 19:50 | MSD | TAL KNX |

## Client Sample ID: 711-82719
**Lab Sample ID: 580-88908-74**
**Date Collected: 08/27/19 08:40**
**Matrix: Water**
**Date Received: 09/03/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | HRMS-Sepf | | | 33603 | 09/16/19 12:34 | SMA | TAL KNX |
| Total/NA | Analysis | 1668A | | 1 | 33865 | 09/24/19 17:59 | KBL | TAL KNX |

**Laboratory References:**
TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

# Accreditation/Certification Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alaska (UST) | State | 17-024 | 01-19-22 |
| ANAB | Dept. of Defense ELAP | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | L2236 | 01-19-22 |
| California | State | 2901 | 11-05-19 |
| Montana (UST) | State | NA | 04-13-21 |
| Oregon | NELAP | WA100007 | 11-05-19 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-17-00039 | 02-10-20 |
| Washington | State | C553 | 02-17-20 |

## Laboratory: Eurofins TestAmerica, Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| | AFCEE | N/A | |
| ANAB | Dept. of Defense ELAP | L2311 | 02-14-22 |
| ANAB | Dept. of Energy | L2311.01 | 02-14-22 |
| ANAB | ISO/IEC 17025 | L2311 | 02-13-22 |
| Arkansas DEQ | State | 2423 | 06-16-20 |
| California | State | 2423 | 06-30-20 |
| Colorado | State | TN00009 | 02-29-20 |
| Connecticut | State | PH-0223 | 09-30-21 |
| Florida | NELAP | E87177 | 06-30-20 |
| Georgia (DW) | State | 906 | 04-13-20 |
| Hawaii | State | NA | 04-13-20 |
| Kansas | NELAP | E-10349 | 10-31-19 |
| Kentucky (DW) | State | 90101 | 12-31-19 |
| Louisiana | NELAP | 83979 | 06-30-20 |
| Louisiana | NELAP | 83979 | 06-30-20 |
| Louisiana (DW) | State | LA019 | 12-31-19 |
| Maryland | State | 277 | 03-31-20 |
| Michigan | State | 9933 | 04-13-20 |
| Nevada | State | TN00009 | 07-31-20 |
| New Hampshire | NELAP | 2999 | 01-17-20 |
| New Hampshire | NELAP | 299919 | 01-17-20 |
| New Jersey | NELAP | TN001 | 06-30-20 |
| New York | NELAP | 10781 | 03-31-20 |
| North Carolina (DW) | State | 21705 | 07-31-20 |
| North Carolina (WW/SW) | State | 64 | 12-31-19 |
| North Carolina (WW/SW) | State Program | 64 | 12-31-19 |
| Ohio VAP | State | CL0059 | 08-28-20 |
| Oklahoma | State | 9415 | 09-01-20 |
| Oregon | NELAP | TNI0189 | 01-01-20 |
| Pennsylvania | NELAP | 68-00576 | 12-31-19 |
| Tennessee | State | 02014 | 04-13-20 |
| Texas | NELAP | T104704380-18-12 | 08-31-20 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-19-00236 | 08-20-22 |
| Utah | NELAP | TN00009 | 07-31-20 |
| Virginia | NELAP | 460176 | 09-15-20 |

# Accreditation/Certification Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

## Laboratory: Eurofins TestAmerica, Knoxville (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Washington | State | C593 | 01-19-20 |
| West Virginia (DW) | State | 9955C | 12-31-19 |
| West Virginia DEP | State | 345 | 04-30-20 |
| Wisconsin | State | 998044300 | 08-31-20 |

# Method Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 1668A | Chlorinated Biphenyl Congeners (HRGC/HRMS) | EPA | TAL KNX |
| Moisture | Percent Moisture | EPA | TAL KNX |
| HRMS-Sepf | Separatory Funnel (Liquid-Liquid) Extraction | EPA | TAL KNX |
| HRMS-Sox | Soxhlet Extraction | EPA | TAL KNX |
| Split | Split Factor Determination | None | TAL KNX |

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

**Laboratory References:**

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

# Sample Summary

Client: Pacific Groundwater Group
Job ID: 580-88908-1
Project/Site: Swan Island Lagoon Sediment Investigatio

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 580-88908-26 | J5-SC1b-20to30-82719 | Solid | 08/27/19 14:55 | 09/03/19 15:00 | |
| 580-88908-27 | J5-SC1b-30to40-82719 | Solid | 08/27/19 15:00 | 09/03/19 15:00 | |
| 580-88908-28 | J5-SC1b-40to50-82719 | Solid | 08/27/19 16:10 | 09/03/19 15:00 | |
| 580-88908-29 | J5-SC1b-50to60-82719 | Solid | 08/27/19 16:15 | 09/03/19 15:00 | |
| 580-88908-30 | J5-SC1b-60to70-82719 | Solid | 08/27/19 16:20 | 09/03/19 15:00 | |
| 580-88908-31 | J5-SC1b-70to80-82719 | Solid | 08/27/19 16:25 | 09/03/19 15:00 | |
| 580-88908-32 | J5-SC1b-80to90-82719 | Solid | 08/27/19 17:25 | 09/03/19 15:00 | |
| 580-88908-33 | J5-SC1b-90to100-82719 | Solid | 08/27/19 17:30 | 09/03/19 15:00 | |
| 580-88908-34 | J5-SC1b-100to110-82719 | Solid | 08/27/19 17:35 | 09/03/19 15:00 | |
| 580-88908-35 | J5-SC1b-00to10-82719 | Solid | 08/27/19 14:45 | 09/03/19 15:00 | |
| 580-88908-36 | J5-SC1b-10to20-82719 | Solid | 08/27/19 14:50 | 09/03/19 15:00 | |
| 580-88908-74 | 711-82719 | Water | 08/27/19 08:40 | 09/03/19 15:00 | |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/1  Client Sample ID:

Date Analyzed: 08/21/19 13:37  Lab File ID: d4190821i1c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1 | 11.80 | Invalid Compound ID | davidsonm | 08/21/19 14:44 |
| PCB-2 | 13.79 | Split Peak | davidsonm | 08/21/19 14:55 |
| PCB-4 | 14.23 | Split Peak | davidsonm | 08/21/19 14:44 |
| PCB-8 | 17.04 | Split Peak | davidsonm | 08/21/19 14:56 |
| PCB-15 | 20.12 | Split Peak | davidsonm | 08/21/19 14:45 |
| PCB-32 | 20.60 | Split Peak | davidsonm | 08/21/19 14:56 |
| PCB-45 | 23.25 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-45/51 | 23.25 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-51 | 23.25 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-43 | 25.14 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-43/73 | 25.14 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-73 | 25.14 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-49 | 25.46 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-49/69 | 25.46 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-69 | 25.46 | Incomplete Integration | davidsonm | 08/21/19 14:58 |
| PCB-38 | 26.29 | Split Peak | davidsonm | 08/21/19 14:57 |
| PCB-35 | 26.76 | Split Peak | davidsonm | 08/21/19 14:57 |
| PCB-40 | 27.01 | Incomplete Integration | davidsonm | 08/21/19 15:03 |
| PCB-40/41/71 | 27.01 | Incomplete Integration | davidsonm | 08/21/19 15:03 |
| PCB-41 | 27.01 | Incomplete Integration | davidsonm | 08/21/19 15:03 |
| PCB-71 | 27.01 | Incomplete Integration | davidsonm | 08/21/19 15:03 |
| PCB-37 | 27.15 | Split Peak | davidsonm | 08/21/19 14:57 |
| PCB-103 | 28.26 | Split Peak | davidsonm | 08/21/19 15:04 |
| PCB-102 | 29.31 | Incomplete Integration | davidsonm | 08/21/19 15:04 |
| PCB-98 | 29.31 | Incomplete Integration | davidsonm | 08/21/19 15:04 |
| PCB-98/102 | 29.31 | Incomplete Integration | davidsonm | 08/21/19 15:04 |
| PCB-88 | 29.78 | Invalid Compound ID | mcwhirterl | 08/21/19 20:29 |
| PCB-88/91 | 29.78 | Invalid Compound ID | mcwhirterl | 08/21/19 20:29 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/1  Client Sample ID:

Date Analyzed: 08/21/19 13:37  Lab File ID: d4190821i1c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-91 | 29.78 | Invalid Compound ID | mcwhirter l | 08/21/19 20:29 |
| PCB-84 | 30.00 | Invalid Compound ID | mcwhirter l | 08/21/19 20:29 |
| PCB-89 | 30.48 | Split Peak | davidsonm | 08/21/19 15:05 |
| PCB-83 | 32.45 | Incomplete Integration | davidsonm | 08/21/19 15:05 |
| PCB-83/99 | 32.45 | Incomplete Integration | davidsonm | 08/21/19 15:05 |
| PCB-99 | 32.45 | Incomplete Integration | davidsonm | 08/21/19 15:05 |
| PCB-109 | 32.94 | Incomplete Integration | davidsonm | 08/21/19 15:06 |
| PCB-119 | 32.94 | Incomplete Integration | davidsonm | 08/21/19 15:06 |
| PCB-125 | 32.94 | Incomplete Integration | davidsonm | 08/21/19 15:06 |
| PCB-86 | 32.94 | Incomplete Integration | davidsonm | 08/21/19 15:06 |
| PCB-86/87/97/109/119/125 | 32.94 | Incomplete Integration | davidsonm | 08/21/19 15:06 |
| PCB-87 | 32.94 | Incomplete Integration | davidsonm | 08/21/19 15:06 |
| PCB-97 | 32.94 | Incomplete Integration | davidsonm | 08/21/19 15:06 |
| PCB-110 | 33.90 | Invalid Compound ID | mcwhirter l | 08/21/19 20:30 |
| PCB-110/115 | 33.90 | Invalid Compound ID | mcwhirter l | 08/21/19 20:30 |
| PCB-115 | 33.90 | Invalid Compound ID | mcwhirter l | 08/21/19 20:30 |
| PCB-82 | 34.13 | Invalid Compound ID | mcwhirter l | 08/21/19 20:30 |
| PCB-135 | 34.75 | Incomplete Integration | davidsonm | 08/21/19 15:08 |
| PCB-135/151 | 34.75 | Incomplete Integration | davidsonm | 08/21/19 15:08 |
| PCB-151 | 34.75 | Incomplete Integration | davidsonm | 08/21/19 15:08 |
| PCB-164 | 39.65 | Split Peak | davidsonm | 08/21/19 15:09 |
| PCB-129 | 39.96 | Incomplete Integration | davidsonm | 08/21/19 15:08 |
| PCB-129/138/160/163 | 39.96 | Incomplete Integration | davidsonm | 08/21/19 15:08 |
| PCB-138 | 39.96 | Incomplete Integration | davidsonm | 08/21/19 15:08 |
| PCB-160 | 39.96 | Incomplete Integration | davidsonm | 08/21/19 15:08 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/1 Client Sample ID:

Date Analyzed: 08/21/19 13:37 Lab File ID: d4190821i1c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-163 | 39.96 | Incomplete Integration | davidsonm | 08/21/19 15:08 |
| PCB-128 | 41.19 | Split Peak | davidsonm | 08/21/19 15:09 |
| PCB-128/166 | 41.19 | Split Peak | davidsonm | 08/21/19 15:09 |
| PCB-166 | 41.19 | Split Peak | davidsonm | 08/21/19 15:09 |
| PCB-183 | 41.94 | Incomplete Integration | davidsonm | 08/21/19 15:10 |
| PCB-183/185 | 41.94 | Incomplete Integration | davidsonm | 08/21/19 15:10 |
| PCB-185 | 41.94 | Incomplete Integration | davidsonm | 08/21/19 15:10 |
| PCB-177 | 42.60 | Split Peak | davidsonm | 08/21/19 15:10 |
| PCB-167 | 42.96 | Split Peak | davidsonm | 08/21/19 15:09 |
| PCB-197 | 44.56 | Invalid Compound ID | mcwhirterl | 08/21/19 20:31 |
| PCB-200 | 44.67 | Invalid Compound ID | mcwhirterl | 08/21/19 20:31 |
| PCB-190 | 47.28 | Split Peak | davidsonm | 08/21/19 15:11 |
| PCB-208 | 49.43 | Baseline | davidsonm | 08/21/19 14:46 |
| PCB-195 | 49.66 | Split Peak | davidsonm | 08/21/19 15:11 |
| PCB-207 | 50.36 | Baseline | davidsonm | 08/21/19 14:46 |
| PCB-206 | 54.24 | Baseline | davidsonm | 08/21/19 14:46 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/2  Client Sample ID:

Date Analyzed: 08/21/19 14:49  Lab File ID: d4190821i2.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-2 | 13.80 | Split Peak | davidsonm | 08/21/19 16:04 |
| PCB-3 | 13.98 | Split Peak | davidsonm | 08/21/19 16:04 |
| PCB-11 | 19.52 | Split Peak | davidsonm | 08/21/19 16:05 |
| PCB-12 | 19.84 | Split Peak | davidsonm | 08/21/19 16:05 |
| PCB-12/13 | 19.84 | Split Peak | davidsonm | 08/21/19 16:05 |
| PCB-13 | 19.84 | Split Peak | davidsonm | 08/21/19 16:05 |
| PCB-15 | 20.12 | Split Peak | davidsonm | 08/21/19 16:05 |
| PCB-31 | 22.88 | Incomplete Integration | davidsonm | 08/21/19 16:06 |
| PCB-45 | 23.35 | Invalid Compound ID | mcwhirterl | 08/21/19 20:06 |
| PCB-45/51 | 23.35 | Invalid Compound ID | mcwhirterl | 08/21/19 20:06 |
| PCB-51 | 23.35 | Invalid Compound ID | mcwhirterl | 08/21/19 20:06 |
| PCB-21 | 23.42 | Split Peak | davidsonm | 08/21/19 16:06 |
| PCB-21/33 | 23.42 | Split Peak | davidsonm | 08/21/19 16:06 |
| PCB-33 | 23.42 | Split Peak | davidsonm | 08/21/19 16:06 |
| PCB-43 | 25.16 | Incomplete Integration | davidsonm | 08/21/19 16:08 |
| PCB-43/73 | 25.16 | Incomplete Integration | davidsonm | 08/21/19 16:08 |
| PCB-73 | 25.16 | Incomplete Integration | davidsonm | 08/21/19 16:08 |
| PCB-36 | 25.37 | Split Peak | davidsonm | 08/21/19 16:06 |
| PCB-49 | 25.45 | Incomplete Integration | davidsonm | 08/21/19 16:08 |
| PCB-49/69 | 25.45 | Incomplete Integration | davidsonm | 08/21/19 16:08 |
| PCB-69 | 25.45 | Incomplete Integration | davidsonm | 08/21/19 16:08 |
| PCB-38 | 26.30 | Split Peak | davidsonm | 08/21/19 16:07 |
| PCB-59 | 26.33 | Invalid Compound ID | mcwhirterl | 08/21/19 20:26 |
| PCB-59/62/75 | 26.33 | Invalid Compound ID | mcwhirterl | 08/21/19 20:26 |
| PCB-62 | 26.33 | Invalid Compound ID | mcwhirterl | 08/21/19 20:26 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/2  Client Sample ID:

Date Analyzed: 08/21/19 14:49  Lab File ID: d4190821i2.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-75 | 26.33 | Invalid Compound ID | mcwhirter l | 08/21/19 20:26 |
| PCB-42 | 26.53 | Invalid Compound ID | mcwhirter l | 08/21/19 20:26 |
| PCB-35 | 26.77 | Split Peak | davidsonm | 08/21/19 16:07 |
| PCB-40 | 27.03 | Incomplete Integration | davidsonm | 08/21/19 16:09 |
| PCB-40/41/71 | 27.03 | Incomplete Integration | davidsonm | 08/21/19 16:09 |
| PCB-41 | 27.03 | Incomplete Integration | davidsonm | 08/21/19 16:09 |
| PCB-71 | 27.03 | Incomplete Integration | davidsonm | 08/21/19 16:09 |
| PCB-37 | 27.17 | Split Peak | davidsonm | 08/21/19 16:07 |
| PCB-102 | 29.29 | Incomplete Integration | davidsonm | 08/21/19 16:10 |
| PCB-98 | 29.29 | Incomplete Integration | davidsonm | 08/21/19 16:10 |
| PCB-98/102 | 29.29 | Incomplete Integration | davidsonm | 08/21/19 16:10 |
| PCB-88 | 29.79 | Incomplete Integration | davidsonm | 08/21/19 16:10 |
| PCB-88/91 | 29.79 | Incomplete Integration | davidsonm | 08/21/19 16:10 |
| PCB-91 | 29.79 | Incomplete Integration | davidsonm | 08/21/19 16:10 |
| PCB-109 | 32.95 | Incomplete Integration | davidsonm | 08/21/19 16:11 |
| PCB-119 | 32.95 | Incomplete Integration | davidsonm | 08/21/19 16:11 |
| PCB-125 | 32.95 | Incomplete Integration | davidsonm | 08/21/19 16:11 |
| PCB-86 | 32.95 | Incomplete Integration | davidsonm | 08/21/19 16:11 |
| PCB-86/87/97/109/119/125 | 32.95 | Incomplete Integration | davidsonm | 08/21/19 16:11 |
| PCB-87 | 32.95 | Incomplete Integration | davidsonm | 08/21/19 16:11 |
| PCB-97 | 32.95 | Incomplete Integration | davidsonm | 08/21/19 16:11 |
| PCB-110 | 33.84 | Invalid Compound ID | davidsonm | 08/21/19 16:11 |
| PCB-110/115 | 33.84 | Invalid Compound ID | davidsonm | 08/21/19 16:11 |
| PCB-115 | 33.84 | Invalid Compound ID | davidsonm | 08/21/19 16:11 |
| PCB-134 | 35.99 | Incomplete Integration | davidsonm | 08/21/19 16:12 |
| PCB-134/143 | 35.99 | Incomplete Integration | davidsonm | 08/21/19 16:12 |
| PCB-143 | 35.99 | Incomplete Integration | davidsonm | 08/21/19 16:12 |
| PCB-129 | 39.99 | Incomplete Integration | davidsonm | 08/21/19 16:13 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/2  Client Sample ID:

Date Analyzed: 08/21/19 14:49  Lab File ID: d4190821i2.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-129/138/160/163 | 39.99 | Incomplete Integration | davidsonm | 08/21/19 16:13 |
| PCB-138 | 39.99 | Incomplete Integration | davidsonm | 08/21/19 16:13 |
| PCB-160 | 39.99 | Incomplete Integration | davidsonm | 08/21/19 16:13 |
| PCB-163 | 39.99 | Incomplete Integration | davidsonm | 08/21/19 16:13 |
| PCB-183 | 41.97 | Incomplete Integration | davidsonm | 08/21/19 16:14 |
| PCB-183/185 | 41.97 | Incomplete Integration | davidsonm | 08/21/19 16:14 |
| PCB-185 | 41.97 | Incomplete Integration | davidsonm | 08/21/19 16:14 |
| PCB-208 | 49.44 | Baseline | davidsonm | 08/21/19 15:55 |
| PCB-207 | 50.38 | Baseline | davidsonm | 08/21/19 15:55 |
| PCB-206 | 54.24 | Split Peak | davidsonm | 08/21/19 15:55 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/3 Client Sample ID:

Date Analyzed: 08/21/19 15:59 Lab File ID: d4190821i3.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-15 | 20.13 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:10 |
| PCB-21 | 23.35 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:10 |
| PCB-21/33 | 23.35 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:10 |
| PCB-33 | 23.35 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:10 |
| PCB-45 | 23.35 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:12 |
| PCB-45/51 | 23.35 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:12 |
| PCB-51 | 23.35 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:12 |
| PCB-46 | 23.59 | Incomplete Integration | mcwhirter 1 | 08/21/19 20:12 |
| PCB-52 | 25.01 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:15 |
| PCB-43 | 25.16 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:15 |
| PCB-43/73 | 25.16 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:15 |
| PCB-73 | 25.16 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:15 |
| PCB-36 | 25.36 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:11 |
| PCB-49 | 25.48 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:15 |
| PCB-49/69 | 25.48 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:15 |
| PCB-69 | 25.48 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:15 |
| PCB-42 | 26.53 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:16 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/3 Client Sample ID:

Date Analyzed: 08/21/19 15:59 Lab File ID: d4190821i3.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-35 | 26.77 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:11 |
| PCB-40 | 27.03 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:17 |
| PCB-40/41/71 | 27.03 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:17 |
| PCB-41 | 27.03 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:17 |
| PCB-71 | 27.03 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:17 |
| PCB-64 | 27.24 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:17 |
| PCB-102 | 29.30 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-98 | 29.30 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-98/102 | 29.30 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-61 | 29.80 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:18 |
| PCB-61/70/74/76 | 29.80 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:18 |
| PCB-70 | 29.80 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:18 |
| PCB-74 | 29.80 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:18 |
| PCB-76 | 29.80 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:18 |
| PCB-80 | 31.43 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:19 |
| PCB-109 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-119 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/3 Client Sample ID:

Date Analyzed: 08/21/19 15:59 Lab File ID: d4190821i3.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-125 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-86 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-86/87/97/109/119/125 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-87 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-97 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:20 |
| PCB-110 | 33.85 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:21 |
| PCB-110/115 | 33.85 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:21 |
| PCB-115 | 33.85 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:21 |
| PCB-135 | 34.76 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:21 |
| PCB-135/151 | 34.76 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:21 |
| PCB-151 | 34.76 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:21 |
| PCB-129 | 40.00 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:22 |
| PCB-129/138/160/163 | 40.00 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:22 |
| PCB-138 | 40.00 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:22 |
| PCB-160 | 40.00 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:22 |
| PCB-163 | 40.00 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:22 |
| PCB-128 | 41.21 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:22 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/3 Client Sample ID:

Date Analyzed: 08/21/19 15:59 Lab File ID: d4190821i3.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-128/166 | 41.21 | Invalid Compound ID | mcwhirter l | 08/21/19 20:22 |
| PCB-166 | 41.21 | Invalid Compound ID | mcwhirter l | 08/21/19 20:22 |
| PCB-183 | 41.96 | Invalid Compound ID | mcwhirter l | 08/21/19 20:23 |
| PCB-183/185 | 41.96 | Invalid Compound ID | mcwhirter l | 08/21/19 20:23 |
| PCB-185 | 41.96 | Invalid Compound ID | mcwhirter l | 08/21/19 20:23 |
| PCB-208 | 49.44 | Invalid Compound ID | mcwhirter l | 08/21/19 20:24 |
| PCB-195 | 49.67 | Invalid Compound ID | mcwhirter l | 08/21/19 20:24 |
| PCB-207 | 50.39 | Invalid Compound ID | mcwhirter l | 08/21/19 20:25 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/4 Client Sample ID:

Date Analyzed: 08/21/19 17:01 Lab File ID: d4190821i4.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1L | 11.79 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:52 |
| PCB-12 | 19.83 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:52 |
| PCB-12/13 | 19.83 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:52 |
| PCB-13 | 19.83 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:52 |
| PCB-45 | 23.34 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:54 |
| PCB-45/51 | 23.34 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:54 |
| PCB-51 | 23.34 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:54 |
| PCB-52 | 25.00 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:56 |
| PCB-43 | 25.15 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:56 |
| PCB-43/73 | 25.15 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:56 |
| PCB-73 | 25.15 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:56 |
| PCB-36 | 25.37 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:53 |
| PCB-49 | 25.47 | Incomplete Integration | mcwhirter 1 | 08/21/19 20:56 |
| PCB-49/69 | 25.47 | Incomplete Integration | mcwhirter 1 | 08/21/19 20:56 |
| PCB-69 | 25.47 | Incomplete Integration | mcwhirter 1 | 08/21/19 20:56 |
| PCB-35 | 26.76 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:54 |
| PCB-40 | 27.02 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:57 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/4 Client Sample ID:

Date Analyzed: 08/21/19 17:01 Lab File ID: d4190821i4.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-40/41/71 | 27.02 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:57 |
| PCB-41 | 27.02 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:57 |
| PCB-71 | 27.02 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:57 |
| PCB-64 | 27.25 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:58 |
| PCB-102 | 29.29 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:59 |
| PCB-98 | 29.29 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:59 |
| PCB-98/102 | 29.29 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:59 |
| PCB-88 | 29.79 | Incomplete Integration | mcwhirter 1 | 08/21/19 20:59 |
| PCB-88/91 | 29.79 | Incomplete Integration | mcwhirter 1 | 08/21/19 20:59 |
| PCB-91 | 29.79 | Incomplete Integration | mcwhirter 1 | 08/21/19 20:59 |
| PCB-121 | 30.92 | Incomplete Integration | mcwhirter 1 | 08/21/19 21:00 |
| PCB-92 | 31.29 | Invalid Compound ID | mcwhirter 1 | 08/21/19 21:00 |
| PCB-80 | 31.42 | Invalid Compound ID | mcwhirter 1 | 08/21/19 20:58 |
| PCB-109 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 21:00 |
| PCB-119 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 21:00 |
| PCB-125 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 21:00 |
| PCB-86 | 32.94 | Invalid Compound ID | mcwhirter 1 | 08/21/19 21:00 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/4 Client Sample ID:

Date Analyzed: 08/21/19 17:01 Lab File ID: d4190821i4.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-86/87/97/109/119/125 | 32.94 | Invalid Compound ID | mcwhirter l | 08/21/19 21:00 |
| PCB-87 | 32.94 | Invalid Compound ID | mcwhirter l | 08/21/19 21:00 |
| PCB-97 | 32.94 | Invalid Compound ID | mcwhirter l | 08/21/19 21:00 |
| PCB-135 | 34.77 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-135/151 | 34.77 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-151 | 34.77 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-127 | 39.50 | Invalid Compound ID | mcwhirter l | 08/21/19 21:01 |
| PCB-129 | 40.00 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-129/138/160/163 | 40.00 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-138 | 40.00 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-160 | 40.00 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-163 | 40.00 | Invalid Compound ID | mcwhirter l | 08/21/19 21:02 |
| PCB-183 | 41.97 | Invalid Compound ID | mcwhirter l | 08/22/19 01:23 |
| PCB-183/185 | 41.97 | Invalid Compound ID | mcwhirter l | 08/22/19 01:23 |
| PCB-185 | 41.97 | Invalid Compound ID | mcwhirter l | 08/22/19 01:23 |
| PCB-177 | 42.64 | Invalid Compound ID | mcwhirter l | 08/22/19 01:23 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/5 Client Sample ID:

Date Analyzed: 08/21/19 18:03 Lab File ID: d4190821i5.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.33 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:34 |
| PCB-45/51 | 23.33 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:34 |
| PCB-51 | 23.33 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:34 |
| PCB-52 | 24.99 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:34 |
| PCB-43 | 25.13 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:35 |
| PCB-43/73 | 25.13 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:35 |
| PCB-73 | 25.13 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:35 |
| PCB-36 | 25.34 | Invalid Compound ID | mcwhirter 1 | 08/22/19 01:38 |
| PCB-49 | 25.44 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:35 |
| PCB-49/69 | 25.44 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:35 |
| PCB-69 | 25.44 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:35 |
| PCB-38 | 26.28 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:33 |
| PCB-35 | 26.74 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:33 |
| PCB-40 | 27.01 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:54 |
| PCB-40/41/71 | 27.01 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:54 |
| PCB-41 | 27.01 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:54 |
| PCB-71 | 27.01 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:54 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/5 Client Sample ID:

Date Analyzed: 08/21/19 18:03 Lab File ID: d4190821i5.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-102 | 29.27 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:55 |
| PCB-98 | 29.27 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:55 |
| PCB-98/102 | 29.27 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:55 |
| PCB-88 | 29.77 | Split Peak | mcwhirter 1 | 08/21/19 19:55 |
| PCB-88/91 | 29.77 | Split Peak | mcwhirter 1 | 08/21/19 19:55 |
| PCB-91 | 29.77 | Split Peak | mcwhirter 1 | 08/21/19 19:55 |
| PCB-80 | 31.41 | Invalid Compound ID | mcwhirter 1 | 08/22/19 01:39 |
| PCB-109 | 32.92 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:56 |
| PCB-119 | 32.92 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:56 |
| PCB-125 | 32.92 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:56 |
| PCB-86 | 32.92 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:56 |
| PCB-86/87/97/109/119/125 | 32.92 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:56 |
| PCB-87 | 32.92 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:56 |
| PCB-97 | 32.92 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:56 |
| PCB-135 | 34.75 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:57 |
| PCB-135/151 | 34.75 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:57 |
| PCB-151 | 34.75 | Invalid Compound ID | mcwhirter 1 | 08/21/19 19:57 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/5 Client Sample ID:

Date Analyzed: 08/21/19 18:03 Lab File ID: d4190821i5.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-129 | 39.98 | Invalid Compound ID | mcwhirter l | 08/21/19 19:58 |
| PCB-129/138/160/163 | 39.98 | Invalid Compound ID | mcwhirter l | 08/21/19 19:58 |
| PCB-138 | 39.98 | Invalid Compound ID | mcwhirter l | 08/21/19 19:58 |
| PCB-160 | 39.98 | Invalid Compound ID | mcwhirter l | 08/21/19 19:58 |
| PCB-163 | 39.98 | Invalid Compound ID | mcwhirter l | 08/21/19 19:58 |
| PCB-183 | 41.95 | Invalid Compound ID | mcwhirter l | 08/21/19 19:59 |
| PCB-183/185 | 41.95 | Invalid Compound ID | mcwhirter l | 08/21/19 19:59 |
| PCB-185 | 41.95 | Invalid Compound ID | mcwhirter l | 08/21/19 19:59 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/6 Client Sample ID:

Date Analyzed: 08/21/19 19:05 Lab File ID: d4190821i6.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.33 | Invalid Compound ID | mcwhirter l | 08/22/19 01:43 |
| PCB-45/51 | 23.33 | Invalid Compound ID | mcwhirter l | 08/22/19 01:43 |
| PCB-51 | 23.33 | Invalid Compound ID | mcwhirter l | 08/22/19 01:43 |
| PCB-21 | 23.39 | Invalid Compound ID | mcwhirter l | 08/22/19 01:42 |
| PCB-21/33 | 23.39 | Invalid Compound ID | mcwhirter l | 08/22/19 01:42 |
| PCB-33 | 23.39 | Invalid Compound ID | mcwhirter l | 08/22/19 01:42 |
| PCB-43 | 25.14 | Invalid Compound ID | mcwhirter l | 08/22/19 01:43 |
| PCB-43/73 | 25.14 | Invalid Compound ID | mcwhirter l | 08/22/19 01:43 |
| PCB-73 | 25.14 | Invalid Compound ID | mcwhirter l | 08/22/19 01:43 |
| PCB-36 | 25.35 | Invalid Compound ID | mcwhirter l | 08/22/19 01:42 |
| PCB-38 | 26.29 | Invalid Compound ID | mcwhirter l | 08/22/19 01:42 |
| PCB-35 | 26.75 | Invalid Compound ID | mcwhirter l | 08/22/19 01:42 |
| PCB-40 | 27.02 | Invalid Compound ID | mcwhirter l | 08/22/19 01:44 |
| PCB-40/41/71 | 27.02 | Invalid Compound ID | mcwhirter l | 08/22/19 01:44 |
| PCB-41 | 27.02 | Invalid Compound ID | mcwhirter l | 08/22/19 01:44 |
| PCB-71 | 27.02 | Invalid Compound ID | mcwhirter l | 08/22/19 01:44 |
| PCB-102 | 29.30 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/6 Client Sample ID:

Date Analyzed: 08/21/19 19:05 Lab File ID: d4190821i6.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-98 | 29.30 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-98/102 | 29.30 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-88 | 29.79 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-88/91 | 29.79 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-91 | 29.79 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-109 | 32.95 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-119 | 32.95 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-125 | 32.95 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-86 | 32.95 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-86/87/97/109/119/125 | 32.95 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-87 | 32.95 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-97 | 32.95 | Invalid Compound ID | mcwhirter l | 08/22/19 01:45 |
| PCB-110 | 33.93 | Invalid Compound ID | mcwhirter l | 08/22/19 01:46 |
| PCB-110/115 | 33.93 | Invalid Compound ID | mcwhirter l | 08/22/19 01:46 |
| PCB-115 | 33.93 | Invalid Compound ID | mcwhirter l | 08/22/19 01:46 |
| PCB-135 | 34.77 | Invalid Compound ID | mcwhirter l | 08/22/19 01:47 |
| PCB-135/151 | 34.77 | Invalid Compound ID | mcwhirter l | 08/22/19 01:47 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: IC 140-33168/6 Client Sample ID:

Date Analyzed: 08/21/19 19:05 Lab File ID: d4190821i6.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-151 | 34.77 | Invalid Compound ID | mcwhirter l | 08/22/19 01:47 |
| PCB-127 | 39.51 | Invalid Compound ID | mcwhirter l | 08/22/19 01:46 |
| PCB-129 | 39.99 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-129/138/160/163 | 39.99 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-138 | 39.99 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-160 | 39.99 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-163 | 39.99 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-183 | 41.96 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-183/185 | 41.96 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-185 | 41.96 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |
| PCB-174 | 42.20 | Invalid Compound ID | mcwhirter l | 08/22/19 01:48 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33168

Lab Sample ID: ICV 140-33168/7  Client Sample ID:

Date Analyzed: 08/22/19 16:26  Lab File ID: d4190822icvb.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.26 | Incomplete Integration | davidsonm | 08/23/19 12:14 |
| PCB-45/51 | 23.26 | Incomplete Integration | davidsonm | 08/23/19 12:14 |
| PCB-51 | 23.26 | Incomplete Integration | davidsonm | 08/23/19 12:14 |
| PCB-43 | 25.14 | Incomplete Integration | davidsonm | 08/23/19 12:15 |
| PCB-43/73 | 25.14 | Incomplete Integration | davidsonm | 08/23/19 12:15 |
| PCB-73 | 25.14 | Incomplete Integration | davidsonm | 08/23/19 12:15 |
| PCB-36 | 25.36 | Split Peak | davidsonm | 08/23/19 12:14 |
| PCB-49 | 25.46 | Split Peak | davidsonm | 08/23/19 12:15 |
| PCB-49/69 | 25.46 | Split Peak | davidsonm | 08/23/19 12:15 |
| PCB-69 | 25.46 | Split Peak | davidsonm | 08/23/19 12:15 |
| PCB-40 | 27.01 | Incomplete Integration | davidsonm | 08/23/19 12:15 |
| PCB-40/41/71 | 27.01 | Incomplete Integration | davidsonm | 08/23/19 12:15 |
| PCB-41 | 27.01 | Incomplete Integration | davidsonm | 08/23/19 12:15 |
| PCB-71 | 27.01 | Incomplete Integration | davidsonm | 08/23/19 12:15 |
| PCB-102 | 29.28 | Incomplete Integration | davidsonm | 08/23/19 12:16 |
| PCB-98 | 29.28 | Incomplete Integration | davidsonm | 08/23/19 12:16 |
| PCB-98/102 | 29.28 | Incomplete Integration | davidsonm | 08/23/19 12:16 |
| PCB-88 | 29.68 | Invalid Compound ID | davidsonm | 08/23/19 12:17 |
| PCB-88/91 | 29.68 | Invalid Compound ID | davidsonm | 08/23/19 12:17 |
| PCB-91 | 29.68 | Invalid Compound ID | davidsonm | 08/23/19 12:17 |
| PCB-109 | 32.92 | Incomplete Integration | davidsonm | 08/23/19 12:17 |
| PCB-119 | 32.92 | Incomplete Integration | davidsonm | 08/23/19 12:17 |
| PCB-125 | 32.92 | Incomplete Integration | davidsonm | 08/23/19 12:17 |
| PCB-86 | 32.92 | Incomplete Integration | davidsonm | 08/23/19 12:17 |
| PCB-86/87/97/109/119/125 | 32.92 | Incomplete Integration | davidsonm | 08/23/19 12:17 |
| PCB-87 | 32.92 | Incomplete Integration | davidsonm | 08/23/19 12:17 |
| PCB-97 | 32.92 | Incomplete Integration | davidsonm | 08/23/19 12:17 |
| PCB-110 | 33.90 | Incomplete Integration | davidsonm | 08/23/19 12:18 |
| PCB-110/115 | 33.90 | Incomplete Integration | davidsonm | 08/23/19 12:18 |
| PCB-115 | 33.90 | Incomplete Integration | davidsonm | 08/23/19 12:18 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33168

Lab Sample ID: ICV 140-33168/7 Client Sample ID:

Date Analyzed: 08/22/19 16:26 Lab File ID: d4190822icvb.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-129 | 39.97 | Incomplete Integration | davidsonm | 08/23/19 12:19 |
| PCB-129/138/160/163 | 39.97 | Incomplete Integration | davidsonm | 08/23/19 12:19 |
| PCB-138 | 39.97 | Incomplete Integration | davidsonm | 08/23/19 12:19 |
| PCB-160 | 39.97 | Incomplete Integration | davidsonm | 08/23/19 12:19 |
| PCB-163 | 39.97 | Incomplete Integration | davidsonm | 08/23/19 12:19 |
| PCB-183 | 41.93 | Incomplete Integration | davidsonm | 08/23/19 12:19 |
| PCB-183/185 | 41.93 | Incomplete Integration | davidsonm | 08/23/19 12:19 |
| PCB-185 | 41.93 | Incomplete Integration | davidsonm | 08/23/19 12:19 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33865

Lab Sample ID: WDMCCV 140-33865/1  Client Sample ID:

Date Analyzed: 09/24/19 12:38  Lab File ID: d4190924s1.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.26 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-45/51 | 23.26 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-51 | 23.26 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-43 | 25.07 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-43/73 | 25.07 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-73 | 25.07 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-38 | 26.22 | Incomplete Integration | layk | 09/24/19 13:43 |
| PCB-35 | 26.68 | Split Peak | layk | 09/24/19 13:43 |
| PCB-40 | 26.94 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-40/41/71 | 26.94 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-41 | 26.94 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-71 | 26.94 | Incomplete Integration | layk | 09/24/19 13:44 |
| PCB-102 | 29.21 | Incomplete Integration | layk | 09/24/19 13:45 |
| PCB-98 | 29.21 | Incomplete Integration | layk | 09/24/19 13:45 |
| PCB-98/102 | 29.21 | Incomplete Integration | layk | 09/24/19 13:45 |
| PCB-88 | 29.71 | Incomplete Integration | layk | 09/24/19 13:45 |
| PCB-88/91 | 29.71 | Incomplete Integration | layk | 09/24/19 13:45 |
| PCB-91 | 29.71 | Incomplete Integration | layk | 09/24/19 13:45 |
| PCB-109 | 32.85 | Incomplete Integration | layk | 09/24/19 13:47 |
| PCB-119 | 32.85 | Incomplete Integration | layk | 09/24/19 13:47 |
| PCB-125 | 32.85 | Incomplete Integration | layk | 09/24/19 13:47 |
| PCB-86 | 32.85 | Incomplete Integration | layk | 09/24/19 13:47 |
| PCB-86/87/97/109/119/125 | 32.85 | Incomplete Integration | layk | 09/24/19 13:47 |
| PCB-87 | 32.85 | Incomplete Integration | layk | 09/24/19 13:47 |
| PCB-97 | 32.85 | Incomplete Integration | layk | 09/24/19 13:47 |
| PCB-135 | 34.67 | Incomplete Integration | layk | 09/24/19 13:48 |
| PCB-135/151 | 34.67 | Incomplete Integration | layk | 09/24/19 13:48 |
| PCB-151 | 34.67 | Incomplete Integration | layk | 09/24/19 13:48 |
| PCB-129 | 39.90 | Incomplete Integration | layk | 09/24/19 13:48 |
| PCB-129/138/160/163 | 39.90 | Incomplete Integration | layk | 09/24/19 13:48 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33865

Lab Sample ID: WDMCCV 140-33865/1  Client Sample ID:

Date Analyzed: 09/24/19 12:38  Lab File ID: d4190924s1.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-138 | 39.90 | Incomplete Integration | layk | 09/24/19 13:48 |
| PCB-160 | 39.90 | Incomplete Integration | layk | 09/24/19 13:48 |
| PCB-163 | 39.90 | Incomplete Integration | layk | 09/24/19 13:48 |
| PCB-183 | 41.86 | Incomplete Integration | layk | 09/24/19 13:49 |
| PCB-183/185 | 41.86 | Incomplete Integration | layk | 09/24/19 13:49 |
| PCB-185 | 41.86 | Incomplete Integration | layk | 09/24/19 13:49 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33865

Lab Sample ID: LCS 140-33603/11-A  Client Sample ID:

Date Analyzed: 09/24/19 13:53  Lab File ID: lcs140-3360311-a.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-31 | 22.81 | Incomplete Integration | davidsonm | 09/24/19 15:01 |
| PCB-45 | 23.29 | Invalid Compound ID | davidsonm | 09/24/19 15:02 |
| PCB-45/51 | 23.29 | Invalid Compound ID | davidsonm | 09/24/19 15:02 |
| PCB-51 | 23.29 | Invalid Compound ID | davidsonm | 09/24/19 15:02 |
| PCB-43 | 25.09 | Incomplete Integration | davidsonm | 09/24/19 15:02 |
| PCB-43/73 | 25.09 | Incomplete Integration | davidsonm | 09/24/19 15:02 |
| PCB-73 | 25.09 | Incomplete Integration | davidsonm | 09/24/19 15:02 |
| PCB-40 | 26.94 | Incomplete Integration | davidsonm | 09/24/19 15:03 |
| PCB-40/41/71 | 26.94 | Incomplete Integration | davidsonm | 09/24/19 15:03 |
| PCB-41 | 26.94 | Incomplete Integration | davidsonm | 09/24/19 15:03 |
| PCB-71 | 26.94 | Incomplete Integration | davidsonm | 09/24/19 15:03 |
| PCB-102 | 29.22 | Incomplete Integration | davidsonm | 09/24/19 15:03 |
| PCB-98 | 29.22 | Incomplete Integration | davidsonm | 09/24/19 15:03 |
| PCB-98/102 | 29.22 | Incomplete Integration | davidsonm | 09/24/19 15:03 |
| PCB-88 | 29.71 | Invalid Compound ID | davidsonm | 09/24/19 15:03 |
| PCB-88/91 | 29.71 | Invalid Compound ID | davidsonm | 09/24/19 15:03 |
| PCB-91 | 29.71 | Invalid Compound ID | davidsonm | 09/24/19 15:03 |
| PCB-121 | 30.84 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-92 | 31.21 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-109 | 32.86 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-119 | 32.86 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-125 | 32.86 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-86 | 32.86 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-86/87/97/109/119/125 | 32.86 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-87 | 32.86 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-97 | 32.86 | Incomplete Integration | davidsonm | 09/24/19 15:04 |
| PCB-135 | 34.68 | Incomplete Integration | davidsonm | 09/24/19 15:05 |
| PCB-135/151 | 34.68 | Incomplete Integration | davidsonm | 09/24/19 15:05 |
| PCB-151 | 34.68 | Incomplete Integration | davidsonm | 09/24/19 15:05 |
| PCB-129 | 39.90 | Incomplete Integration | davidsonm | 09/24/19 15:05 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33865

Lab Sample ID: LCS 140-33603/11-A  Client Sample ID:

Date Analyzed: 09/24/19 13:53  Lab File ID: lcs140-3360311-a.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-129/138/160/163 | 39.90 | Incomplete Integration | davidsonm | 09/24/19 15:05 |
| PCB-138 | 39.90 | Incomplete Integration | davidsonm | 09/24/19 15:05 |
| PCB-160 | 39.90 | Incomplete Integration | davidsonm | 09/24/19 15:05 |
| PCB-163 | 39.90 | Incomplete Integration | davidsonm | 09/24/19 15:05 |
| PCB-183 | 41.87 | Incomplete Integration | davidsonm | 09/24/19 15:06 |
| PCB-183/185 | 41.87 | Incomplete Integration | davidsonm | 09/24/19 15:06 |
| PCB-185 | 41.87 | Incomplete Integration | davidsonm | 09/24/19 15:06 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33865

Lab Sample ID: MB 140-33603/10-A  Client Sample ID:

Date Analyzed: 09/24/19 15:55  Lab File ID: mb140-3360310-a.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-100 | | Invalid Compound ID | parslyt | 09/24/19 21:16 |
| PCB-116 | | Invalid Compound ID | parslyt | 09/24/19 21:17 |
| PCB-117 | | Invalid Compound ID | parslyt | 09/24/19 21:17 |
| PCB-45 | | Incomplete Integration | parslyt | 09/24/19 21:14 |
| PCB-45/51 | | Incomplete Integration | parslyt | 09/24/19 21:14 |
| PCB-51 | | Incomplete Integration | parslyt | 09/24/19 21:14 |
| PCB-83 | | Invalid Compound ID | parslyt | 09/24/19 21:16 |
| PCB-83/99 | | Invalid Compound ID | parslyt | 09/24/19 21:16 |
| PCB-85 | | Invalid Compound ID | parslyt | 09/24/19 21:17 |
| PCB-85/116/117 | | Invalid Compound ID | parslyt | 09/24/19 21:17 |
| PCB-93 | | Invalid Compound ID | parslyt | 09/24/19 21:16 |
| PCB-93/100 | | Invalid Compound ID | parslyt | 09/24/19 21:16 |
| PCB-95 | | Invalid Compound ID | parslyt | 09/24/19 21:16 |
| PCB-99 | | Invalid Compound ID | parslyt | 09/24/19 21:16 |
| PCB-6 | 16.53 | Baseline | parslyt | 09/24/19 21:09 |
| PCB-11 | 19.42 | Split Peak | parslyt | 09/24/19 21:09 |
| PCB-24 | 19.87 | Split Peak | parslyt | 09/24/19 21:09 |
| PCB-16 | 19.99 | Invalid Compound ID | parslyt | 09/24/19 21:10 |
| PCB-54 | 20.36 | Split Peak | parslyt | 09/24/19 21:13 |
| PCB-32 | 20.51 | Baseline | parslyt | 09/24/19 21:10 |
| PCB-21 | 23.30 | Split Peak | parslyt | 09/24/19 21:11 |
| PCB-21/33 | 23.30 | Split Peak | parslyt | 09/24/19 21:11 |
| PCB-33 | 23.30 | Split Peak | parslyt | 09/24/19 21:11 |
| PCB-22 | 23.70 | Baseline | parslyt | 09/24/19 21:12 |
| PCB-43 | 25.15 | Incomplete Integration | parslyt | 09/24/19 21:14 |
| PCB-43/73 | 25.15 | Incomplete Integration | parslyt | 09/24/19 21:14 |
| PCB-73 | 25.15 | Incomplete Integration | parslyt | 09/24/19 21:14 |
| PCB-40 | 26.92 | Incomplete Integration | parslyt | 09/24/19 21:15 |
| PCB-40/41/71 | 26.92 | Incomplete Integration | parslyt | 09/24/19 21:15 |
| PCB-41 | 26.92 | Incomplete Integration | parslyt | 09/24/19 21:15 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33865

Lab Sample ID: MB 140-33603/10-A Client Sample ID:

Date Analyzed: 09/24/19 15:55 Lab File ID: mb140-3360310-a.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-71 | 26.92 | Incomplete Integration | parslyt | 09/24/19 21:15 |
| PCB-64 | 27.16 | Split Peak | parslyt | 09/24/19 21:15 |
| PCB-68 | 28.27 | Baseline | parslyt | 09/24/19 21:15 |
| PCB-152 | 31.74 | Split Peak | parslyt | 09/24/19 21:18 |
| PCB-109 | 32.94 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-119 | 32.94 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-125 | 32.94 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-86 | 32.94 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-86/87/97/109/119/125 | 32.94 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-87 | 32.94 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-97 | 32.94 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-110 | 33.73 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-110/115 | 33.73 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-115 | 33.73 | Incomplete Integration | parslyt | 09/24/19 21:17 |
| PCB-137 | 39.43 | Split Peak | parslyt | 09/24/19 21:18 |
| PCB-164 | 39.56 | Split Peak | parslyt | 09/24/19 21:19 |
| PCB-128 | 41.14 | Incomplete Integration | parslyt | 09/24/19 21:19 |
| PCB-128/166 | 41.14 | Incomplete Integration | parslyt | 09/24/19 21:19 |
| PCB-166 | 41.14 | Incomplete Integration | parslyt | 09/24/19 21:19 |
| PCB-180 | 45.43 | Split Peak | parslyt | 09/24/19 21:20 |
| PCB-180/193 | 45.43 | Split Peak | parslyt | 09/24/19 21:20 |
| PCB-193 | 45.43 | Split Peak | parslyt | 09/24/19 21:20 |
| PCB-170 | 46.70 | Split Peak | parslyt | 09/24/19 21:20 |
| PCB-194 | 51.98 | Assign Peak | parslyt | 09/24/19 21:20 |
| PCB-209 | 55.80 | Split Peak | parslyt | 09/24/19 21:21 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33865

Lab Sample ID: 580-88908-74  Client Sample ID: 711-82719

Date Analyzed: 09/24/19 17:59  Lab File ID: 580-88908-a-74-a.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1 | 11.72 | Baseline | parslyt | 09/24/19 21:41 |
| PCB-5 | 16.85 | Split Peak | parslyt | 09/24/19 21:41 |
| PCB-21 | 23.32 | Split Peak | parslyt | 09/24/19 21:42 |
| PCB-21/33 | 23.32 | Split Peak | parslyt | 09/24/19 21:42 |
| PCB-33 | 23.32 | Split Peak | parslyt | 09/24/19 21:42 |
| PCB-22 | 23.71 | Baseline | parslyt | 09/24/19 21:42 |
| PCB-44 | 25.95 | Split Peak | parslyt | 09/24/19 21:43 |
| PCB-44/47/65 | 25.95 | Split Peak | parslyt | 09/24/19 21:43 |
| PCB-47 | 25.95 | Split Peak | parslyt | 09/24/19 21:43 |
| PCB-65 | 25.95 | Split Peak | parslyt | 09/24/19 21:43 |
| PCB-68 | 28.29 | Baseline | parslyt | 09/24/19 21:43 |
| PCB-150 | 31.90 | Split Peak | parslyt | 09/24/19 21:46 |
| PCB-83 | 32.35 | Split Peak | parslyt | 09/24/19 21:44 |
| PCB-83/99 | 32.35 | Split Peak | parslyt | 09/24/19 21:44 |
| PCB-99 | 32.35 | Split Peak | parslyt | 09/24/19 21:44 |
| PCB-144 | 35.24 | Split Peak | parslyt | 09/24/19 21:46 |
| PCB-134 | 35.91 | Incomplete Integration | parslyt | 09/24/19 21:47 |
| PCB-134/143 | 35.91 | Incomplete Integration | parslyt | 09/24/19 21:47 |
| PCB-143 | 35.91 | Incomplete Integration | parslyt | 09/24/19 21:47 |
| PCB-118 | 36.74 | Split Peak | parslyt | 09/24/19 21:45 |
| PCB-132 | 36.87 | Split Peak | parslyt | 09/24/19 21:47 |
| PCB-202 | 42.71 | Baseline | parslyt | 09/24/19 21:48 |
| PCB-170 | 46.68 | Baseline | parslyt | 09/24/19 21:48 |
| PCB-203 | 48.25 | Split Peak | parslyt | 09/24/19 21:49 |
| PCB-194 | 51.91 | Split Peak | parslyt | 09/24/19 21:49 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33925

Lab Sample ID: WDMCCV 140-33925/1  Client Sample ID:

Date Analyzed: 09/25/19 22:28  Lab File ID: d4190925s3.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.28 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-45/51 | 23.28 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-51 | 23.28 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-43 | 25.07 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-43/73 | 25.07 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-73 | 25.07 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-49 | 25.38 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-49/69 | 25.38 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-69 | 25.38 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-40 | 26.93 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-40/41/71 | 26.93 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-41 | 26.93 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-71 | 26.93 | Incomplete Integration | parslyt | 09/25/19 23:36 |
| PCB-102 | 29.19 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-98 | 29.19 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-98/102 | 29.19 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-88 | 29.69 | Split Peak | parslyt | 09/25/19 23:37 |
| PCB-88/91 | 29.69 | Split Peak | parslyt | 09/25/19 23:37 |
| PCB-91 | 29.69 | Split Peak | parslyt | 09/25/19 23:37 |
| PCB-109 | 32.83 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-119 | 32.83 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-125 | 32.83 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-86 | 32.83 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-86/87/97/109/119/125 | 32.83 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-87 | 32.83 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-97 | 32.83 | Incomplete Integration | parslyt | 09/25/19 23:38 |
| PCB-135 | 34.67 | Incomplete Integration | parslyt | 09/25/19 23:39 |
| PCB-135/151 | 34.67 | Incomplete Integration | parslyt | 09/25/19 23:39 |
| PCB-151 | 34.67 | Incomplete Integration | parslyt | 09/25/19 23:39 |
| PCB-129 | 39.86 | Incomplete Integration | parslyt | 09/25/19 23:40 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33925

Lab Sample ID: WDMCCV 140-33925/1  Client Sample ID:

Date Analyzed: 09/25/19 22:28  Lab File ID: d4190925s3.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-129/138/160/163 | 39.86 | Incomplete Integration | parslyt | 09/25/19 23:40 |
| PCB-138 | 39.86 | Incomplete Integration | parslyt | 09/25/19 23:40 |
| PCB-160 | 39.86 | Incomplete Integration | parslyt | 09/25/19 23:40 |
| PCB-163 | 39.86 | Incomplete Integration | parslyt | 09/25/19 23:40 |
| PCB-183 | 41.84 | Incomplete Integration | parslyt | 09/25/19 23:40 |
| PCB-183/185 | 41.84 | Incomplete Integration | parslyt | 09/25/19 23:40 |
| PCB-185 | 41.84 | Incomplete Integration | parslyt | 09/25/19 23:40 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33925

Lab Sample ID: 580-88908-28  Client Sample ID: J5-SC1b-40to50-82719

Date Analyzed: 09/26/19 04:52  Lab File ID: 580-88908-a-28-ca.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1L | 11.96 | Split Peak | nordquistj | 09/26/19 14:40 |
| PCB-3 | 14.05 | Split Peak | layk | 09/26/19 10:54 |
| PCB-4L | 14.27 | Split Peak | nordquistj | 09/26/19 14:40 |
| PCB-4 | 14.30 | Split Peak | nordquistj | 09/26/19 14:41 |
| PCB-10 | 14.47 | Split Peak | nordquistj | 09/26/19 14:41 |
| PCB-9 | 16.22 | Split Peak | layk | 09/26/19 10:58 |
| PCB-7 | 16.36 | Split Peak | nordquistj | 09/26/19 14:41 |
| PCB-6 | 16.60 | Split Peak | layk | 09/26/19 10:58 |
| PCB-5 | 16.91 | Invalid Compound ID | layk | 09/26/19 10:58 |
| PCB-8 | 17.03 | Split Peak | nordquistj | 09/26/19 14:42 |
| PCB-19 | 17.33 | Incomplete Integration | layk | 09/26/19 10:59 |
| PCB-11 | 19.46 | Split Peak | nordquistj | 09/26/19 14:42 |
| PCB-17 | 19.57 | Incomplete Integration | layk | 09/26/19 11:00 |
| PCB-12 | 19.74 | Split Peak | nordquistj | 09/26/19 14:42 |
| PCB-12/13 | 19.74 | Split Peak | nordquistj | 09/26/19 14:42 |
| PCB-13 | 19.74 | Split Peak | nordquistj | 09/26/19 14:42 |
| PCB-27 | 19.79 | Incomplete Integration | layk | 09/26/19 11:00 |
| PCB-24 | 19.91 | Split Peak | layk | 09/26/19 11:00 |
| PCB-16 | 20.02 | Split Peak | layk | 09/26/19 11:00 |
| PCB-15L | 20.05 | Split Peak | nordquistj | 09/26/19 14:41 |
| PCB-15 | 20.06 | Split Peak | nordquistj | 09/26/19 14:42 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33925

Lab Sample ID: 580-88908-28  Client Sample ID: J5-SC1b-40to50-82719

Date Analyzed: 09/26/19 04:52  Lab File ID: 580-88908-a-28-ca.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-54 | 20.36 | Split Peak | nordquistj | 09/26/19 14:43 |
| PCB-32 | 20.53 | Split Peak | layk | 09/26/19 11:00 |
| PCB-34 | 21.78 | Split Peak | layk | 09/26/19 11:01 |
| PCB-26 | 22.23 | Split Peak | layk | 09/26/19 11:01 |
| PCB-26/29 | 22.23 | Split Peak | layk | 09/26/19 11:01 |
| PCB-29 | 22.23 | Split Peak | layk | 09/26/19 11:01 |
| PCB-31 | 22.77 | Baseline | layk | 09/26/19 11:02 |
| PCB-45 | 23.17 | Incomplete Integration | layk | 09/26/19 11:04 |
| PCB-45/51 | 23.17 | Incomplete Integration | layk | 09/26/19 11:04 |
| PCB-51 | 23.17 | Incomplete Integration | layk | 09/26/19 11:04 |
| PCB-36 | 25.25 | Split Peak | layk | 09/26/19 11:03 |
| PCB-35 | 26.64 | Baseline | layk | 09/26/19 11:03 |
| PCB-40 | 26.90 | Split Peak | nordquistj | 09/26/19 14:44 |
| PCB-40/41/71 | 26.90 | Split Peak | nordquistj | 09/26/19 14:44 |
| PCB-41 | 26.90 | Split Peak | nordquistj | 09/26/19 14:44 |
| PCB-71 | 26.90 | Split Peak | nordquistj | 09/26/19 14:44 |
| PCB-37 | 27.05 | Split Peak | layk | 09/26/19 11:04 |
| PCB-94 | 28.38 | Split Peak | layk | 09/26/19 11:09 |
| PCB-57 | 28.65 | Split Peak | nordquistj | 09/26/19 14:44 |
| PCB-95 | 28.79 | Split Peak | layk | 09/26/19 11:10 |
| PCB-58 | 28.89 | Incomplete Integration | layk | 09/26/19 11:05 |
| PCB-84 | 29.87 | Split Peak | layk | 09/26/19 11:10 |
| PCB-66 | 29.99 | Split Peak | layk | 09/26/19 11:07 |
| PCB-55 | 30.13 | Split Peak | layk | 09/26/19 11:07 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 33925

Lab Sample ID: 580-88908-28  Client Sample ID: J5-SC1b-40to50-82719

Date Analyzed: 09/26/19 04:52  Lab File ID: 580-88908-a-28-ca.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-89 | 30.36 | Split Peak | nordquistj | 09/26/19 14:46 |
| PCB-121 | 30.76 | Split Peak | nordquistj | 09/26/19 14:46 |
| PCB-80 | 31.28 | Split Peak | nordquistj | 09/26/19 14:45 |
| PCB-155 | 31.51 | Split Peak | nordquistj | 09/26/19 14:48 |
| PCB-152 | 31.70 | Split Peak | layk | 09/26/19 11:32 |
| PCB-83 | 32.31 | Split Peak | nordquistj | 09/26/19 14:47 |
| PCB-83/99 | 32.31 | Split Peak | nordquistj | 09/26/19 14:47 |
| PCB-99 | 32.31 | Split Peak | nordquistj | 09/26/19 14:47 |
| PCB-145 | 32.54 | Split Peak | nordquistj | 09/26/19 14:48 |
| PCB-109 | 32.90 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-119 | 32.90 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-125 | 32.90 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-86 | 32.90 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-86/87/97/109/119/125 | 32.90 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-87 | 32.90 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-97 | 32.90 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-110 | 33.70 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-110/115 | 33.70 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-115 | 33.70 | Incomplete Integration | layk | 09/26/19 11:12 |
| PCB-81 | 33.78 | Split Peak | layk | 09/26/19 11:08 |
| PCB-82 | 34.01 | Split Peak | nordquistj | 09/26/19 14:47 |
| PCB-111 | 34.43 | Incomplete Integration | layk | 09/26/19 11:23 |
| PCB-120 | 34.87 | Split Peak | layk | 09/26/19 11:29 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 33925

Lab Sample ID: 580-88908-28 Client Sample ID: J5-SC1b-40to50-82719

Date Analyzed: 09/26/19 04:52 Lab File ID: 580-88908-a-28-ca.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-134 | 35.75 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-134/143 | 35.75 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-143 | 35.75 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-107 | 36.26 | Split Peak | layk | 09/26/19 11:30 |
| PCB-123 | 36.36 | Split Peak | layk | 09/26/19 11:30 |
| PCB-188 | 37.24 | Invalid Compound ID | layk | 09/26/19 11:36 |
| PCB-179 | 37.57 | Invalid Compound ID | layk | 09/26/19 11:36 |
| PCB-146 | 37.97 | Split Peak | layk | 09/26/19 11:34 |
| PCB-126 | 40.97 | Split Peak | nordquistj | 09/26/19 14:48 |
| PCB-128 | 41.08 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-128/166 | 41.08 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-166 | 41.08 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-182 | 41.38 | Assign Peak | layk | 09/26/19 11:38 |
| PCB-159 | 42.05 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-162 | 42.37 | Split Peak | nordquistj | 09/26/19 14:49 |
| PCB-197 | 44.42 | Assign Peak | layk | 09/26/19 11:39 |
| PCB-180 | 45.39 | Assign Peak | layk | 09/26/19 11:39 |
| PCB-180/193 | 45.39 | Assign Peak | layk | 09/26/19 11:39 |
| PCB-193 | 45.39 | Assign Peak | layk | 09/26/19 11:39 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: WDMCCV 140-34146/1  Client Sample ID:

Date Analyzed: 10/03/19 11:24  Lab File ID: d4191003s1.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.24 | Split Peak | nordquistj | 10/03/19 12:29 |
| PCB-45/51 | 23.24 | Split Peak | nordquistj | 10/03/19 12:29 |
| PCB-51 | 23.24 | Split Peak | nordquistj | 10/03/19 12:29 |
| PCB-43 | 25.04 | Split Peak | nordquistj | 10/03/19 12:30 |
| PCB-43/73 | 25.04 | Split Peak | nordquistj | 10/03/19 12:30 |
| PCB-73 | 25.04 | Split Peak | nordquistj | 10/03/19 12:30 |
| PCB-40 | 26.91 | Split Peak | nordquistj | 10/03/19 12:31 |
| PCB-40/41/71 | 26.91 | Split Peak | nordquistj | 10/03/19 12:31 |
| PCB-41 | 26.91 | Split Peak | nordquistj | 10/03/19 12:31 |
| PCB-71 | 26.91 | Split Peak | nordquistj | 10/03/19 12:31 |
| PCB-102 | 29.17 | Split Peak | nordquistj | 10/03/19 12:31 |
| PCB-98 | 29.17 | Split Peak | nordquistj | 10/03/19 12:31 |
| PCB-98/102 | 29.17 | Split Peak | nordquistj | 10/03/19 12:31 |
| PCB-88 | 29.67 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-88/91 | 29.67 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-91 | 29.67 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-109 | 32.81 | Split Peak | nordquistj | 10/03/19 12:32 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: WDMCCV 140-34146/1  Client Sample ID:

Date Analyzed: 10/03/19 11:24  Lab File ID: d4191003s1.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-119 | 32.81 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-125 | 32.81 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-86 | 32.81 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-86/87/97/109/119/125 | 32.81 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-87 | 32.81 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-97 | 32.81 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-135 | 34.63 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-135/151 | 34.63 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-151 | 34.63 | Split Peak | nordquistj | 10/03/19 12:32 |
| PCB-129 | 39.84 | Split Peak | nordquistj | 10/03/19 12:33 |
| PCB-129/138/160/163 | 39.84 | Split Peak | nordquistj | 10/03/19 12:33 |
| PCB-138 | 39.84 | Split Peak | nordquistj | 10/03/19 12:33 |
| PCB-160 | 39.84 | Split Peak | nordquistj | 10/03/19 12:33 |
| PCB-163 | 39.84 | Split Peak | nordquistj | 10/03/19 12:33 |
| PCB-183 | 41.81 | Split Peak | nordquistj | 10/03/19 12:33 |
| PCB-183/185 | 41.81 | Split Peak | nordquistj | 10/03/19 12:33 |
| PCB-185 | 41.81 | Split Peak | nordquistj | 10/03/19 12:33 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: LCS 140-33628/13-B  Client Sample ID:

Date Analyzed: 10/03/19 12:37  Lab File ID: lcs140-3362813-b_19100312  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1L | 12.01 | Split Peak | nordquist j | 10/03/19 15:53 |
| PCB-1 | 12.03 | Split Peak | nordquist j | 10/03/19 15:54 |
| PCB-3L | 14.09 | Split Peak | nordquist j | 10/03/19 15:53 |
| PCB-10 | 14.51 | Split Peak | nordquist j | 10/03/19 15:54 |
| PCB-9 | 16.26 | Split Peak | nordquist j | 10/03/19 15:54 |
| PCB-7 | 16.42 | Split Peak | nordquist j | 10/03/19 15:54 |
| PCB-6 | 16.66 | Split Peak | nordquist j | 10/03/19 15:54 |
| PCB-5 | 16.96 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-8 | 17.09 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-17 | 19.63 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-27 | 19.83 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-24 | 19.97 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-16 | 20.07 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-32 | 20.58 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-34 | 21.83 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-23 | 21.98 | Split Peak | nordquist j | 10/03/19 15:55 |
| PCB-26 | 22.30 | Split Peak | nordquist j | 10/03/19 15:56 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: LCS 140-33628/13-B  Client Sample ID:

Date Analyzed: 10/03/19 12:37  Lab File ID: lcs140-3362813-b_19100312  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-26/29 | 22.30 | Split Peak | nordquist j | 10/03/19 15:56 |
| PCB-29 | 22.30 | Split Peak | nordquist j | 10/03/19 15:56 |
| PCB-45 | 23.29 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-45/51 | 23.29 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-51 | 23.29 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-21 | 23.34 | Split Peak | nordquist j | 10/03/19 15:56 |
| PCB-21/33 | 23.34 | Split Peak | nordquist j | 10/03/19 15:56 |
| PCB-33 | 23.34 | Split Peak | nordquist j | 10/03/19 15:56 |
| PCB-46 | 23.52 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-52 | 24.92 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-43 | 25.07 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-43/73 | 25.07 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-73 | 25.07 | Split Peak | nordquist j | 10/03/19 15:57 |
| PCB-48 | 25.70 | Split Peak | nordquist j | 10/03/19 15:58 |
| PCB-38 | 26.22 | Split Peak | nordquist j | 10/03/19 15:56 |
| PCB-42 | 26.45 | Split Peak | nordquist j | 10/03/19 15:58 |
| PCB-35 | 26.68 | Split Peak | nordquist j | 10/03/19 15:56 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: LCS 140-33628/13-B  Client Sample ID:

Date Analyzed: 10/03/19 12:37  Lab File ID: lcs140-3362813-b_19100312  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-40 | 26.93 | Split Peak | nordquist j | 10/03/19 15:58 |
| PCB-40/41/71 | 26.93 | Split Peak | nordquist j | 10/03/19 15:58 |
| PCB-41 | 26.93 | Split Peak | nordquist j | 10/03/19 15:58 |
| PCB-71 | 26.93 | Split Peak | nordquist j | 10/03/19 15:58 |
| PCB-64 | 27.15 | Split Peak | nordquist j | 10/03/19 15:58 |
| PCB-102 | 29.19 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-98 | 29.19 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-98/102 | 29.19 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-109 | 32.81 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-119 | 32.81 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-125 | 32.81 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-86 | 32.81 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-86/87/97/109/119/125 | 32.81 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-87 | 32.81 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-97 | 32.81 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-111 | 34.42 | Split Peak | nordquist j | 10/03/19 15:59 |
| PCB-135 | 34.63 | Split Peak | nordquist j | 10/03/19 16:00 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: LCS 140-33628/13-B Client Sample ID:

Date Analyzed: 10/03/19 12:37 Lab File ID: lcs140-3362813-b_19100312 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-135/151 | 34.63 | Split Peak | nordquist j | 10/03/19 16:00 |
| PCB-151 | 34.63 | Split Peak | nordquist j | 10/03/19 16:00 |
| PCB-107 | 36.25 | Split Peak | nordquist j | 10/03/19 16:00 |
| PCB-129 | 39.84 | Split Peak | nordquist j | 10/03/19 16:01 |
| PCB-129/138/160/163 | 39.84 | Split Peak | nordquist j | 10/03/19 16:01 |
| PCB-138 | 39.84 | Split Peak | nordquist j | 10/03/19 16:01 |
| PCB-160 | 39.84 | Split Peak | nordquist j | 10/03/19 16:01 |
| PCB-163 | 39.84 | Split Peak | nordquist j | 10/03/19 16:01 |
| PCB-183 | 41.89 | Split Peak | nordquist j | 10/03/19 16:01 |
| PCB-183/185 | 41.89 | Split Peak | nordquist j | 10/03/19 16:01 |
| PCB-185 | 41.89 | Split Peak | nordquist j | 10/03/19 16:01 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: MB 140-33628/12-B Client Sample ID:

Date Analyzed: 10/03/19 14:39 Lab File ID: mb140-3362812-b_191003143 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1L | 11.98 | Baseline | nordquistj | 10/03/19 16:03 |
| PCB-3L | 14.05 | Baseline | nordquistj | 10/03/19 16:03 |
| PCB-4L | 14.30 | Baseline | nordquistj | 10/03/19 16:04 |
| PCB-11 | 19.53 | Baseline | nordquistj | 10/03/19 16:04 |
| PCB-52 | 24.88 | Baseline | nordquistj | 10/03/19 16:05 |
| PCB-61 | 29.66 | Baseline | nordquistj | 10/03/19 16:05 |
| PCB-61/70/74/76 | 29.66 | Baseline | nordquistj | 10/03/19 16:05 |
| PCB-70 | 29.66 | Baseline | nordquistj | 10/03/19 16:05 |
| PCB-74 | 29.66 | Baseline | nordquistj | 10/03/19 16:05 |
| PCB-76 | 29.66 | Baseline | nordquistj | 10/03/19 16:05 |
| PCB-116 | 33.69 | Unspecified | mcwhirterl | 10/04/19 01:25 |
| PCB-117 | 33.69 | Unspecified | mcwhirterl | 10/04/19 01:25 |
| PCB-85 | 33.69 | Unspecified | mcwhirterl | 10/04/19 01:25 |
| PCB-85/116/117 | 33.69 | Unspecified | mcwhirterl | 10/04/19 01:25 |
| PCB-129 | 39.81 | Invalid Compound ID | mcwhirterl | 10/04/19 01:26 |
| PCB-129/138/160/163 | 39.81 | Invalid Compound ID | mcwhirterl | 10/04/19 01:26 |
| PCB-138 | 39.81 | Invalid Compound ID | mcwhirterl | 10/04/19 01:26 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: MB 140-33628/12-B Client Sample ID:

Date Analyzed: 10/03/19 14:39 Lab File ID: mb140-3362812-b_191003143 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-160 | 39.81 | Invalid Compound ID | mcwhirter l | 10/04/19 01:26 |
| PCB-163 | 39.81 | Invalid Compound ID | mcwhirter l | 10/04/19 01:26 |
| PCB-183 | 41.93 | Split Peak | nordquist j | 10/03/19 16:07 |
| PCB-183/185 | 41.93 | Split Peak | nordquist j | 10/03/19 16:07 |
| PCB-185 | 41.93 | Split Peak | nordquist j | 10/03/19 16:07 |
| PCB-174 | 42.07 | Split Peak | nordquist j | 10/03/19 16:08 |
| PCB-180 | 45.37 | Split Peak | nordquist j | 10/03/19 16:08 |
| PCB-180/193 | 45.37 | Split Peak | nordquist j | 10/03/19 16:08 |
| PCB-193 | 45.37 | Split Peak | nordquist j | 10/03/19 16:08 |
| PCB-190 | 47.17 | Split Peak | nordquist j | 10/03/19 16:08 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-26 Client Sample ID: J5-SC1b-20to30-82719

Date Analyzed: 10/03/19 15:41 Lab File ID: 580-88908-a-26-c_19100315 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-23 | | Split Peak | nordquist j | 10/03/19 16:51 |
| PCB-36 | | Split Peak | nordquist j | 10/03/19 16:51 |
| PCB-38 | | Split Peak | nordquist j | 10/03/19 16:51 |
| PCB-1L | 11.98 | Baseline | nordquist j | 10/03/19 16:48 |
| PCB-1 | 12.00 | Baseline | nordquist j | 10/03/19 16:48 |
| PCB-3L | 14.07 | Baseline | nordquist j | 10/03/19 16:48 |
| PCB-9 | 16.24 | Baseline | nordquist j | 10/03/19 16:48 |
| PCB-7 | 16.41 | Baseline | nordquist j | 10/03/19 16:48 |
| PCB-6 | 16.63 | Baseline | nordquist j | 10/03/19 16:48 |
| PCB-5 | 16.98 | Split Peak | nordquist j | 10/03/19 16:49 |
| PCB-8 | 17.06 | Split Peak | nordquist j | 10/03/19 16:49 |
| PCB-27 | 19.81 | Split Peak | nordquist j | 10/03/19 16:50 |
| PCB-24 | 19.94 | Split Peak | nordquist j | 10/03/19 16:50 |
| PCB-16 | 20.05 | Split Peak | nordquist j | 10/03/19 16:50 |
| PCB-32 | 20.56 | Split Peak | nordquist j | 10/03/19 16:50 |
| PCB-34 | 21.81 | Split Peak | nordquist j | 10/03/19 16:51 |
| PCB-26 | 22.27 | Split Peak | nordquist j | 10/03/19 16:51 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: 580-88908-26  Client Sample ID: J5-SC1b-20to30-82719

Date Analyzed: 10/03/19 15:41  Lab File ID: 580-88908-a-26-c_19100315  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-26/29 | 22.27 | Split Peak | nordquist j | 10/03/19 16:51 |
| PCB-29 | 22.27 | Split Peak | nordquist j | 10/03/19 16:51 |
| PCB-104 | 25.87 | Split Peak | nordquist j | 10/03/19 16:55 |
| PCB-42 | 26.43 | Split Peak | nordquist j | 10/03/19 16:53 |
| PCB-40 | 26.93 | Split Peak | nordquist j | 10/03/19 16:52 |
| PCB-40/41/71 | 26.93 | Split Peak | nordquist j | 10/03/19 16:52 |
| PCB-41 | 26.93 | Split Peak | nordquist j | 10/03/19 16:52 |
| PCB-71 | 26.93 | Split Peak | nordquist j | 10/03/19 16:52 |
| PCB-64 | 27.14 | Split Peak | nordquist j | 10/03/19 16:53 |
| PCB-57 | 28.68 | Split Peak | nordquist j | 10/03/19 16:53 |
| PCB-58 | 28.93 | Split Peak | nordquist j | 10/03/19 16:53 |
| PCB-84 | 29.89 | Split Peak | nordquist j | 10/03/19 16:56 |
| PCB-66 | 30.01 | Split Peak | nordquist j | 10/03/19 16:54 |
| PCB-55 | 30.11 | Split Peak | nordquist j | 10/03/19 16:54 |
| PCB-89 | 30.38 | Split Peak | nordquist j | 10/03/19 16:56 |
| PCB-121 | 30.81 | Split Peak | nordquist j | 10/03/19 16:56 |
| PCB-80 | 31.31 | Split Peak | nordquist j | 10/03/19 16:54 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: 580-88908-26  Client Sample ID: J5-SC1b-20to30-82719

Date Analyzed: 10/03/19 15:41  Lab File ID: 580-88908-a-26-c_19100315  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-136 | 32.25 | Split Peak | nordquist j | 10/03/19 17:00 |
| PCB-83 | 32.34 | Split Peak | nordquist j | 10/03/19 16:57 |
| PCB-83/99 | 32.34 | Split Peak | nordquist j | 10/03/19 16:57 |
| PCB-99 | 32.34 | Split Peak | nordquist j | 10/03/19 16:57 |
| PCB-145 | 32.40 | Split Peak | nordquist j | 10/03/19 17:00 |
| PCB-109 | 32.84 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-119 | 32.84 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-125 | 32.84 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-86 | 32.84 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-86/87/97/109/119/125 | 32.84 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-87 | 32.84 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-97 | 32.84 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-110 | 33.73 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-110/115 | 33.73 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-115 | 33.73 | Split Peak | nordquist j | 10/03/19 16:58 |
| PCB-81 | 33.78 | Split Peak | nordquist j | 10/03/19 16:55 |
| PCB-134 | 35.78 | Split Peak | nordquist j | 10/03/19 17:00 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-26 Client Sample ID: J5-SC1b-20to30-82719

Date Analyzed: 10/03/19 15:41 Lab File ID: 580-88908-a-26-c_19100315 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-134/143 | 35.78 | Split Peak | nordquistj | 10/03/19 17:00 |
| PCB-143 | 35.78 | Split Peak | nordquistj | 10/03/19 17:00 |
| PCB-139 | 36.18 | Split Peak | nordquistj | 10/03/19 17:01 |
| PCB-139/140 | 36.18 | Split Peak | nordquistj | 10/03/19 17:01 |
| PCB-140 | 36.18 | Split Peak | nordquistj | 10/03/19 17:01 |
| PCB-107 | 36.29 | Split Peak | nordquistj | 10/03/19 16:58 |
| PCB-131 | 36.38 | Split Peak | nordquistj | 10/03/19 17:00 |
| PCB-123 | 36.40 | Split Peak | nordquistj | 10/03/19 16:58 |
| PCB-142 | 36.52 | Split Peak | nordquistj | 10/03/19 17:01 |
| PCB-165 | 37.75 | Split Peak | nordquistj | 10/03/19 17:01 |
| PCB-146 | 38.00 | Split Peak | nordquistj | 10/03/19 17:01 |
| PCB-184 | 38.13 | Split Peak | nordquistj | 10/03/19 17:04 |
| PCB-161 | 38.21 | Split Peak | nordquistj | 10/03/19 17:02 |
| PCB-153 | 38.61 | Split Peak | nordquistj | 10/03/19 17:02 |
| PCB-153/168 | 38.61 | Split Peak | nordquistj | 10/03/19 17:02 |
| PCB-168 | 38.61 | Split Peak | nordquistj | 10/03/19 17:02 |
| PCB-141 | 38.80 | Split Peak | nordquistj | 10/03/19 17:02 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-26 Client Sample ID: J5-SC1b-20to30-82719

Date Analyzed: 10/03/19 15:41 Lab File ID: 580-88908-a-26-c_19100315 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-130 | 39.20 | Split Peak | nordquist j | 10/03/19 17:02 |
| PCB-127 | 39.44 | Split Peak | nordquist j | 10/03/19 16:59 |
| PCB-126 | 40.99 | Split Peak | nordquist j | 10/03/19 16:59 |
| PCB-128 | 41.11 | Split Peak | nordquist j | 10/03/19 17:02 |
| PCB-128/166 | 41.11 | Split Peak | nordquist j | 10/03/19 17:02 |
| PCB-166 | 41.11 | Split Peak | nordquist j | 10/03/19 17:02 |
| PCB-162 | 42.39 | Split Peak | nordquist j | 10/03/19 17:03 |
| PCB-169 | 47.19 | Split Peak | nordquist j | 10/03/19 17:03 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: 580-88908-27  Client Sample ID: J5-SC1b-30to40-82719

Date Analyzed: 10/03/19 16:43  Lab File ID: 580-88908-a-27-c_19100316  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-112 | | Invalid Compound ID | mcwhirter l | 10/03/19 21:36 |
| PCB-36 | | Split Peak | mcwhirter l | 10/03/19 20:38 |
| PCB-1L | 12.00 | Invalid Compound ID | mcwhirter l | 10/03/19 20:35 |
| PCB-1 | 12.02 | Baseline | mcwhirter l | 10/03/19 20:36 |
| PCB-3 | 14.08 | Invalid Compound ID | mcwhirter l | 10/03/19 20:36 |
| PCB-9 | 16.25 | Split Peak | mcwhirter l | 10/03/19 20:36 |
| PCB-7 | 16.42 | Split Peak | mcwhirter l | 10/03/19 20:37 |
| PCB-6 | 16.64 | Split Peak | mcwhirter l | 10/03/19 20:37 |
| PCB-5 | 16.97 | Invalid Compound ID | mcwhirter l | 10/03/19 20:37 |
| PCB-8 | 17.07 | Split Peak | mcwhirter l | 10/03/19 20:37 |
| PCB-17 | 19.61 | Split Peak | mcwhirter l | 10/03/19 20:37 |
| PCB-27 | 19.82 | Split Peak | mcwhirter l | 10/03/19 20:38 |
| PCB-24 | 19.95 | Split Peak | mcwhirter l | 10/03/19 20:38 |
| PCB-16 | 20.05 | Split Peak | mcwhirter l | 10/03/19 20:38 |
| PCB-32 | 20.56 | Split Peak | mcwhirter l | 10/03/19 20:38 |
| PCB-34 | 21.81 | Split Peak | mcwhirter l | 10/03/19 20:38 |
| PCB-26 | 22.27 | Split Peak | mcwhirter l | 10/03/19 20:38 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-27 Client Sample ID: J5-SC1b-30to40-82719

Date Analyzed: 10/03/19 16:43 Lab File ID: 580-88908-a-27-c_19100316 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-26/29 | 22.27 | Split Peak | mcwhirter 1 | 10/03/19 20:38 |
| PCB-29 | 22.27 | Split Peak | mcwhirter 1 | 10/03/19 20:38 |
| PCB-45 | 23.27 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:39 |
| PCB-45/51 | 23.27 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:39 |
| PCB-51 | 23.27 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:39 |
| PCB-46 | 23.50 | Incomplete Integration | mcwhirter 1 | 10/03/19 20:40 |
| PCB-52 | 24.92 | Incomplete Integration | mcwhirter 1 | 10/03/19 20:40 |
| PCB-39 | 25.66 | Missed Peak | mcwhirter 1 | 10/03/19 20:39 |
| PCB-48 | 25.69 | Incomplete Integration | mcwhirter 1 | 10/03/19 20:40 |
| PCB-40 | 26.93 | Invalid Compound ID | mcwhirter 1 | 10/03/19 21:28 |
| PCB-40/41/71 | 26.93 | Invalid Compound ID | mcwhirter 1 | 10/03/19 21:28 |
| PCB-41 | 26.93 | Invalid Compound ID | mcwhirter 1 | 10/03/19 21:28 |
| PCB-71 | 26.93 | Invalid Compound ID | mcwhirter 1 | 10/03/19 21:28 |
| PCB-64 | 27.15 | Split Peak | mcwhirter 1 | 10/03/19 21:28 |
| PCB-57 | 28.69 | Split Peak | mcwhirter 1 | 10/03/19 21:29 |
| PCB-58 | 28.92 | Split Peak | mcwhirter 1 | 10/03/19 21:29 |
| PCB-66 | 30.01 | Invalid Compound ID | mcwhirter 1 | 10/03/19 21:30 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-27 Client Sample ID: J5-SC1b-30to40-82719

Date Analyzed: 10/03/19 16:43 Lab File ID: 580-88908-a-27-c_19100316 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-55 | 30.16 | Incomplete Integration | mcwhirter l | 10/03/19 21:30 |
| PCB-83 | 32.34 | Incomplete Integration | mcwhirter l | 10/03/19 21:36 |
| PCB-83/99 | 32.34 | Incomplete Integration | mcwhirter l | 10/03/19 21:36 |
| PCB-99 | 32.34 | Incomplete Integration | mcwhirter l | 10/03/19 21:36 |
| PCB-145 | 32.52 | Invalid Compound ID | mcwhirter l | 10/04/19 00:03 |
| PCB-109 | 32.84 | Invalid Compound ID | mcwhirter l | 10/03/19 21:37 |
| PCB-119 | 32.84 | Invalid Compound ID | mcwhirter l | 10/03/19 21:37 |
| PCB-125 | 32.84 | Invalid Compound ID | mcwhirter l | 10/03/19 21:37 |
| PCB-86 | 32.84 | Invalid Compound ID | mcwhirter l | 10/03/19 21:37 |
| PCB-86/87/97/109/119/125 | 32.84 | Invalid Compound ID | mcwhirter l | 10/03/19 21:37 |
| PCB-87 | 32.84 | Invalid Compound ID | mcwhirter l | 10/03/19 21:37 |
| PCB-97 | 32.84 | Invalid Compound ID | mcwhirter l | 10/03/19 21:37 |
| PCB-110 | 33.73 | Incomplete Integration | mcwhirter l | 10/03/19 21:37 |
| PCB-110/115 | 33.73 | Incomplete Integration | mcwhirter l | 10/03/19 21:37 |
| PCB-115 | 33.73 | Incomplete Integration | mcwhirter l | 10/03/19 21:37 |
| PCB-134 | 35.78 | Split Peak | mcwhirter l | 10/04/19 00:04 |
| PCB-134/143 | 35.78 | Split Peak | mcwhirter l | 10/04/19 00:04 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-27 Client Sample ID: J5-SC1b-30to40-82719

Date Analyzed: 10/03/19 16:43 Lab File ID: 580-88908-a-27-c_19100316 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-143 | 35.78 | Split Peak | mcwhirter l | 10/04/19 00:04 |
| PCB-107 | 36.29 | Split Peak | mcwhirter l | 10/03/19 21:38 |
| PCB-123 | 36.37 | Split Peak | mcwhirter l | 10/03/19 21:38 |
| PCB-114 | 37.26 | Invalid Compound ID | mcwhirter l | 10/04/19 00:02 |
| PCB-126 | 41.01 | Split Peak | mcwhirter l | 10/04/19 00:02 |
| PCB-206 | 54.07 | Split Peak | mcwhirter l | 10/03/19 23:05 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-29 Client Sample ID: J5-SC1b-50to60-82719

Date Analyzed: 10/03/19 17:45 Lab File ID: 580-88908-a-29-c_19100317 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1L | 11.95 | Invalid Compound ID | mcwhirter l | 10/03/19 23:09 |
| PCB-7 | 16.37 | Split Peak | mcwhirter l | 10/03/19 23:10 |
| PCB-6 | 16.60 | Split Peak | mcwhirter l | 10/03/19 23:10 |
| PCB-8 | 17.03 | Split Peak | mcwhirter l | 10/03/19 23:10 |
| PCB-12 | 19.74 | Invalid Compound ID | mcwhirter l | 10/03/19 23:10 |
| PCB-12/13 | 19.74 | Invalid Compound ID | mcwhirter l | 10/03/19 23:10 |
| PCB-13 | 19.74 | Invalid Compound ID | mcwhirter l | 10/03/19 23:10 |
| PCB-24 | 19.91 | Split Peak | mcwhirter l | 10/03/19 23:11 |
| PCB-16 | 20.03 | Split Peak | mcwhirter l | 10/03/19 23:11 |
| PCB-15L | 20.06 | Invalid Compound ID | mcwhirter l | 10/03/19 23:09 |
| PCB-15 | 20.07 | Baseline | mcwhirter l | 10/03/19 23:10 |
| PCB-32 | 20.54 | Split Peak | mcwhirter l | 10/03/19 23:12 |
| PCB-34 | 21.79 | Peak assignment corrected | mcwhirter l | 10/03/19 23:13 |
| PCB-26 | 22.24 | Peak assignment corrected | mcwhirter l | 10/03/19 23:13 |
| PCB-26/29 | 22.24 | Peak assignment corrected | mcwhirter l | 10/03/19 23:13 |
| PCB-29 | 22.24 | Peak assignment corrected | mcwhirter l | 10/03/19 23:13 |
| PCB-45 | 23.17 | Invalid Compound ID | mcwhirter l | 10/03/19 23:14 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-29 Client Sample ID: J5-SC1b-50to60-82719

Date Analyzed: 10/03/19 17:45 Lab File ID: 580-88908-a-29-c_19100317 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45/51 | 23.17 | Invalid Compound ID | mcwhirter l | 10/03/19 23:14 |
| PCB-51 | 23.17 | Invalid Compound ID | mcwhirter l | 10/03/19 23:14 |
| PCB-43 | 25.14 | Split Peak | mcwhirter l | 10/03/19 23:14 |
| PCB-43/73 | 25.14 | Split Peak | mcwhirter l | 10/03/19 23:14 |
| PCB-73 | 25.14 | Split Peak | mcwhirter l | 10/03/19 23:14 |
| PCB-49 | 25.39 | Split Peak | mcwhirter l | 10/03/19 23:14 |
| PCB-49/69 | 25.39 | Split Peak | mcwhirter l | 10/03/19 23:14 |
| PCB-69 | 25.39 | Split Peak | mcwhirter l | 10/03/19 23:14 |
| PCB-40 | 26.91 | Incomplete Integration | mcwhirter l | 10/03/19 23:15 |
| PCB-40/41/71 | 26.91 | Incomplete Integration | mcwhirter l | 10/03/19 23:15 |
| PCB-41 | 26.91 | Incomplete Integration | mcwhirter l | 10/03/19 23:15 |
| PCB-71 | 26.91 | Incomplete Integration | mcwhirter l | 10/03/19 23:15 |
| PCB-64 | 27.12 | Invalid Compound ID | mcwhirter l | 10/03/19 23:15 |
| PCB-68 | 28.26 | Invalid Compound ID | mcwhirter l | 10/03/19 23:15 |
| PCB-58 | 28.91 | Split Peak | mcwhirter l | 10/03/19 23:16 |
| PCB-66 | 30.00 | Invalid Compound ID | mcwhirter l | 10/03/19 23:16 |
| PCB-55 | 30.15 | Split Peak | mcwhirter l | 10/03/19 23:16 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-29 Client Sample ID: J5-SC1b-50to60-82719

Date Analyzed: 10/03/19 17:45 Lab File ID: 580-88908-a-29-c_19100317 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-83 | 32.32 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-83/99 | 32.32 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-99 | 32.32 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-145 | 32.56 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:20 |
| PCB-109 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-119 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-125 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-86 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-86/87/97/109/119/125 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-87 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-97 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:18 |
| PCB-110 | 33.70 | Incomplete Integration | mcwhirter 1 | 10/03/19 23:18 |
| PCB-110/115 | 33.70 | Incomplete Integration | mcwhirter 1 | 10/03/19 23:18 |
| PCB-115 | 33.70 | Incomplete Integration | mcwhirter 1 | 10/03/19 23:18 |
| PCB-81 | 33.78 | Split Peak | mcwhirter 1 | 10/03/19 23:17 |
| PCB-77L | 34.35 | Invalid Compound ID | mcwhirter 1 | 10/04/19 01:31 |
| PCB-134 | 35.76 | Split Peak | mcwhirter 1 | 10/03/19 23:20 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-29 Client Sample ID: J5-SC1b-50to60-82719

Date Analyzed: 10/03/19 17:45 Lab File ID: 580-88908-a-29-c_19100317 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-134/143 | 35.76 | Split Peak | mcwhirter l | 10/03/19 23:20 |
| PCB-143 | 35.76 | Split Peak | mcwhirter l | 10/03/19 23:20 |
| PCB-107 | 36.26 | Invalid Compound ID | mcwhirter l | 10/03/19 23:19 |
| PCB-123 | 36.38 | Split Peak | mcwhirter l | 10/03/19 23:19 |
| PCB-114 | 37.23 | Invalid Compound ID | mcwhirter l | 10/04/19 00:01 |
| PCB-126 | 41.00 | Split Peak | mcwhirter l | 10/03/19 23:20 |
| PCB-128 | 41.09 | Invalid Compound ID | mcwhirter l | 10/03/19 23:21 |
| PCB-128/166 | 41.09 | Invalid Compound ID | mcwhirter l | 10/03/19 23:21 |
| PCB-166 | 41.09 | Invalid Compound ID | mcwhirter l | 10/03/19 23:21 |
| PCB-162 | 42.37 | Incomplete Integration | mcwhirter l | 10/03/19 23:21 |
| PCB-206 | 54.06 | Split Peak | mcwhirter l | 10/03/19 23:23 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-30 Client Sample ID: J5-SC1b-60to70-82719

Date Analyzed: 10/03/19 18:47 Lab File ID: 580-88908-a-30-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-1L | 11.98 | Invalid Compound ID | mcwhirter l | 10/03/19 20:06 |
| PCB-1 | 11.99 | Invalid Compound ID | mcwhirter l | 10/03/19 20:06 |
| PCB-9 | 16.23 | Baseline | mcwhirter l | 10/03/19 20:07 |
| PCB-7 | 16.38 | Baseline | mcwhirter l | 10/03/19 20:08 |
| PCB-6 | 16.62 | Baseline | mcwhirter l | 10/03/19 20:08 |
| PCB-5 | 16.93 | Invalid Compound ID | mcwhirter l | 10/03/19 23:31 |
| PCB-8 | 17.05 | Split Peak | mcwhirter l | 10/03/19 20:08 |
| PCB-24 | 19.95 | Split Peak | mcwhirter l | 10/03/19 20:10 |
| PCB-16 | 20.03 | Split Peak | mcwhirter l | 10/03/19 20:10 |
| PCB-15L | 20.06 | Invalid Compound ID | mcwhirter l | 10/03/19 20:07 |
| PCB-32 | 20.54 | Split Peak | mcwhirter l | 10/03/19 20:10 |
| PCB-34 | 21.80 | Split Peak | mcwhirter l | 10/03/19 20:10 |
| PCB-26 | 22.25 | Split Peak | mcwhirter l | 10/03/19 20:10 |
| PCB-26/29 | 22.25 | Split Peak | mcwhirter l | 10/03/19 20:10 |
| PCB-29 | 22.25 | Split Peak | mcwhirter l | 10/03/19 20:10 |
| PCB-45 | 23.18 | Invalid Compound ID | mcwhirter l | 10/03/19 20:13 |
| PCB-45/51 | 23.18 | Invalid Compound ID | mcwhirter l | 10/03/19 20:13 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: 580-88908-30  Client Sample ID: J5-SC1b-60to70-82719

Date Analyzed: 10/03/19 18:47  Lab File ID: 580-88908-a-30-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-51 | 23.18 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:13 |
| PCB-21 | 23.32 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:11 |
| PCB-21/33 | 23.32 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:11 |
| PCB-33 | 23.32 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:11 |
| PCB-36 | 25.27 | Split Peak | mcwhirter 1 | 10/03/19 20:11 |
| PCB-39 | 25.63 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:12 |
| PCB-48 | 25.67 | Incomplete Integration | mcwhirter 1 | 10/03/19 20:13 |
| PCB-42 | 26.42 | Incomplete Integration | mcwhirter 1 | 10/03/19 20:13 |
| PCB-40 | 26.90 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:13 |
| PCB-40/41/71 | 26.90 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:13 |
| PCB-41 | 26.90 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:13 |
| PCB-71 | 26.90 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:13 |
| PCB-64 | 27.13 | Incomplete Integration | mcwhirter 1 | 10/03/19 20:13 |
| PCB-94 | 28.36 | Missed Peak | mcwhirter 1 | 10/03/19 20:18 |
| PCB-57 | 28.67 | Missed Peak | mcwhirter 1 | 10/03/19 20:16 |
| PCB-58 | 28.90 | Split Peak | mcwhirter 1 | 10/03/19 20:14 |
| PCB-66 | 29.99 | Invalid Compound ID | mcwhirter 1 | 10/03/19 20:17 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: 580-88908-30  Client Sample ID: J5-SC1b-60to70-82719

Date Analyzed: 10/03/19 18:47  Lab File ID: 580-88908-a-30-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-89 | 30.36 | Missed Peak | mcwhirter l | 10/03/19 20:18 |
| PCB-83 | 32.32 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-83/99 | 32.32 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-99 | 32.32 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-109 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-119 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-125 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-86 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-86/87/97/109/119/125 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-87 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-97 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 20:19 |
| PCB-110 | 33.69 | Incomplete Integration | mcwhirter l | 10/03/19 20:19 |
| PCB-110/115 | 33.69 | Incomplete Integration | mcwhirter l | 10/03/19 20:19 |
| PCB-115 | 33.69 | Incomplete Integration | mcwhirter l | 10/03/19 20:19 |
| PCB-134 | 35.76 | Split Peak | mcwhirter l | 10/03/19 20:21 |
| PCB-134/143 | 35.76 | Split Peak | mcwhirter l | 10/03/19 20:21 |
| PCB-143 | 35.76 | Split Peak | mcwhirter l | 10/03/19 20:21 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-30 Client Sample ID: J5-SC1b-60to70-82719

Date Analyzed: 10/03/19 18:47 Lab File ID: 580-88908-a-30-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-107 | 36.27 | Invalid Compound ID | mcwhirter l | 10/03/19 20:20 |
| PCB-123 | 36.37 | Incomplete Integration | mcwhirter l | 10/03/19 20:20 |
| PCB-114 | 37.23 | Invalid Compound ID | mcwhirter l | 10/04/19 00:00 |
| PCB-126 | 40.96 | Split Peak | mcwhirter l | 10/03/19 20:21 |
| PCB-128 | 41.09 | Invalid Compound ID | mcwhirter l | 10/03/19 20:22 |
| PCB-128/166 | 41.09 | Invalid Compound ID | mcwhirter l | 10/03/19 20:22 |
| PCB-166 | 41.09 | Invalid Compound ID | mcwhirter l | 10/03/19 20:22 |
| PCB-162 | 42.37 | Incomplete Integration | mcwhirter l | 10/03/19 20:23 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-31 Client Sample ID: J5-SC1b-70to80-82719

Date Analyzed: 10/03/19 19:49 Lab File ID: 580-88908-a-31-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-5 | | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:29 |
| PCB-1L | 12.00 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:26 |
| PCB-1 | 12.02 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:26 |
| PCB-9 | 16.24 | Peak assignment corrected | mcwhirter 1 | 10/03/19 23:29 |
| PCB-7 | 16.41 | Peak assignment corrected | mcwhirter 1 | 10/03/19 23:29 |
| PCB-6 | 16.64 | Peak assignment corrected | mcwhirter 1 | 10/03/19 23:29 |
| PCB-8 | 17.06 | Split Peak | mcwhirter 1 | 10/03/19 23:30 |
| PCB-11 | 19.48 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:54 |
| PCB-17 | 19.60 | Split Peak | mcwhirter 1 | 10/03/19 23:54 |
| PCB-12 | 19.76 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:54 |
| PCB-12/13 | 19.76 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:54 |
| PCB-13 | 19.76 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:54 |
| PCB-27 | 19.81 | Split Peak | mcwhirter 1 | 10/03/19 23:54 |
| PCB-24 | 19.94 | Split Peak | mcwhirter 1 | 10/03/19 23:54 |
| PCB-16 | 20.04 | Split Peak | mcwhirter 1 | 10/03/19 23:55 |
| PCB-15L | 20.07 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:27 |
| PCB-32 | 20.55 | Split Peak | mcwhirter 1 | 10/03/19 23:55 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-31 Client Sample ID: J5-SC1b-70to80-82719

Date Analyzed: 10/03/19 19:49 Lab File ID: 580-88908-a-31-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-34 | 21.80 | Split Peak | mcwhirter 1 | 10/03/19 23:55 |
| PCB-26 | 22.26 | Split Peak | mcwhirter 1 | 10/03/19 23:55 |
| PCB-26/29 | 22.26 | Split Peak | mcwhirter 1 | 10/03/19 23:55 |
| PCB-29 | 22.26 | Split Peak | mcwhirter 1 | 10/03/19 23:55 |
| PCB-45 | 23.27 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:33 |
| PCB-45/51 | 23.27 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:33 |
| PCB-51 | 23.27 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:33 |
| PCB-46 | 23.50 | Baseline | mcwhirter 1 | 10/03/19 23:33 |
| PCB-52 | 24.92 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:33 |
| PCB-43 | 25.05 | Split Peak | mcwhirter 1 | 10/03/19 23:33 |
| PCB-43/73 | 25.05 | Split Peak | mcwhirter 1 | 10/03/19 23:33 |
| PCB-73 | 25.05 | Split Peak | mcwhirter 1 | 10/03/19 23:33 |
| PCB-96 | 26.22 | Missed Peak | mcwhirter 1 | 10/03/19 23:57 |
| PCB-42 | 26.43 | Split Peak | mcwhirter 1 | 10/03/19 23:34 |
| PCB-40 | 26.92 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:34 |
| PCB-40/41/71 | 26.92 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:34 |
| PCB-41 | 26.92 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:34 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-31 Client Sample ID: J5-SC1b-70to80-82719

Date Analyzed: 10/03/19 19:49 Lab File ID: 580-88908-a-31-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-71 | 26.92 | Invalid Compound ID | mcwhirter l | 10/03/19 23:34 |
| PCB-64 | 27.13 | Incomplete Integration | mcwhirter l | 10/03/19 23:34 |
| PCB-94 | 28.38 | Missed Peak | mcwhirter l | 10/03/19 23:57 |
| PCB-58 | 28.91 | Split Peak | mcwhirter l | 10/03/19 23:34 |
| PCB-67 | 29.08 | Missed Peak | mcwhirter l | 10/03/19 23:35 |
| PCB-61 | 29.67 | Invalid Compound ID | mcwhirter l | 10/04/19 01:28 |
| PCB-61/70/74/76 | 29.67 | Invalid Compound ID | mcwhirter l | 10/04/19 01:28 |
| PCB-70 | 29.67 | Invalid Compound ID | mcwhirter l | 10/04/19 01:28 |
| PCB-74 | 29.67 | Invalid Compound ID | mcwhirter l | 10/04/19 01:28 |
| PCB-76 | 29.67 | Invalid Compound ID | mcwhirter l | 10/04/19 01:28 |
| PCB-66 | 30.01 | Invalid Compound ID | mcwhirter l | 10/03/19 23:37 |
| PCB-55 | 30.12 | Split Peak | mcwhirter l | 10/03/19 23:37 |
| PCB-152 | 31.71 | Missed Peak | mcwhirter l | 10/04/19 00:28 |
| PCB-145 | 32.53 | Split Peak | mcwhirter l | 10/04/19 00:29 |
| PCB-109 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 23:58 |
| PCB-119 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 23:58 |
| PCB-125 | 32.82 | Invalid Compound ID | mcwhirter l | 10/03/19 23:58 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-31 Client Sample ID: J5-SC1b-70to80-82719

Date Analyzed: 10/03/19 19:49 Lab File ID: 580-88908-a-31-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-86 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:58 |
| PCB-86/87/97/109/119/125 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:58 |
| PCB-87 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:58 |
| PCB-97 | 32.82 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:58 |
| PCB-110 | 33.71 | Incomplete Integration | mcwhirter 1 | 10/03/19 23:58 |
| PCB-110/115 | 33.71 | Incomplete Integration | mcwhirter 1 | 10/03/19 23:58 |
| PCB-115 | 33.71 | Incomplete Integration | mcwhirter 1 | 10/03/19 23:58 |
| PCB-134 | 35.76 | Split Peak | mcwhirter 1 | 10/04/19 00:29 |
| PCB-134/143 | 35.76 | Split Peak | mcwhirter 1 | 10/04/19 00:29 |
| PCB-143 | 35.76 | Split Peak | mcwhirter 1 | 10/04/19 00:29 |
| PCB-107 | 36.27 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:58 |
| PCB-123 | 36.39 | Split Peak | mcwhirter 1 | 10/03/19 23:58 |
| PCB-114 | 37.24 | Invalid Compound ID | mcwhirter 1 | 10/03/19 23:59 |
| PCB-165 | 37.73 | Missed Peak | mcwhirter 1 | 10/04/19 00:30 |
| PCB-126 | 40.99 | Split Peak | mcwhirter 1 | 10/04/19 00:27 |
| PCB-162 | 42.37 | Missed Peak | mcwhirter 1 | 10/04/19 00:31 |
| PCB-181 | 42.88 | Missed Peak | mcwhirter 1 | 10/04/19 00:32 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-31 Client Sample ID: J5-SC1b-70to80-82719

Date Analyzed: 10/03/19 19:49 Lab File ID: 580-88908-a-31-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-171 | 43.12 | Invalid Compound ID | mcwhirter l | 10/04/19 00:32 |
| PCB-171/173 | 43.12 | Invalid Compound ID | mcwhirter l | 10/04/19 00:32 |
| PCB-173 | 43.12 | Invalid Compound ID | mcwhirter l | 10/04/19 00:32 |
| PCB-169 | 47.17 | Missed Peak | mcwhirter l | 10/04/19 00:31 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: 580-88908-32  Client Sample ID: J5-SC1b-80to90-82719

Date Analyzed: 10/03/19 20:51  Lab File ID: 580-88908-a-32-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-5 | | Invalid Compound ID | mcwhirter l | 10/04/19 00:35 |
| PCB-1L | 12.00 | Invalid Compound ID | mcwhirter l | 10/04/19 00:34 |
| PCB-3L | 14.07 | Invalid Compound ID | mcwhirter l | 10/04/19 00:34 |
| PCB-4L | 14.30 | Invalid Compound ID | mcwhirter l | 10/04/19 00:35 |
| PCB-8 | 17.04 | Baseline | mcwhirter l | 10/04/19 00:35 |
| PCB-18 | 19.18 | Invalid Compound ID | mcwhirter l | 10/04/19 00:36 |
| PCB-18/30 | 19.18 | Invalid Compound ID | mcwhirter l | 10/04/19 00:36 |
| PCB-30 | 19.18 | Invalid Compound ID | mcwhirter l | 10/04/19 00:36 |
| PCB-11 | 19.47 | Invalid Compound ID | mcwhirter l | 10/04/19 00:35 |
| PCB-17 | 19.59 | Split Peak | mcwhirter l | 10/04/19 00:36 |
| PCB-16 | 20.03 | Split Peak | mcwhirter l | 10/04/19 00:36 |
| PCB-32 | 20.55 | Split Peak | mcwhirter l | 10/04/19 00:36 |
| PCB-26 | 22.25 | Split Peak | mcwhirter l | 10/04/19 00:36 |
| PCB-26/29 | 22.25 | Split Peak | mcwhirter l | 10/04/19 00:36 |
| PCB-29 | 22.25 | Split Peak | mcwhirter l | 10/04/19 00:36 |
| PCB-42 | 26.42 | Incomplete Integration | mcwhirter l | 10/04/19 00:37 |
| PCB-64 | 27.12 | Incomplete Integration | mcwhirter l | 10/04/19 00:37 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34146

Lab Sample ID: 580-88908-32  Client Sample ID: J5-SC1b-80to90-82719

Date Analyzed: 10/03/19 20:51  Lab File ID: 580-88908-a-32-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-103 | 28.17 | Invalid Compound ID | mcwhirter l | 10/04/19 00:38 |
| PCB-68 | 28.25 | Invalid Compound ID | mcwhirter l | 10/04/19 00:37 |
| PCB-83 | 32.31 | Invalid Compound ID | mcwhirter l | 10/04/19 00:38 |
| PCB-83/99 | 32.31 | Invalid Compound ID | mcwhirter l | 10/04/19 00:38 |
| PCB-99 | 32.31 | Invalid Compound ID | mcwhirter l | 10/04/19 00:38 |
| PCB-109 | 32.82 | Invalid Compound ID | mcwhirter l | 10/04/19 00:39 |
| PCB-119 | 32.82 | Invalid Compound ID | mcwhirter l | 10/04/19 00:39 |
| PCB-125 | 32.82 | Invalid Compound ID | mcwhirter l | 10/04/19 00:39 |
| PCB-86 | 32.82 | Invalid Compound ID | mcwhirter l | 10/04/19 00:39 |
| PCB-86/87/97/109/119/125 | 32.82 | Invalid Compound ID | mcwhirter l | 10/04/19 00:39 |
| PCB-87 | 32.82 | Invalid Compound ID | mcwhirter l | 10/04/19 00:39 |
| PCB-97 | 32.82 | Invalid Compound ID | mcwhirter l | 10/04/19 00:39 |
| PCB-110 | 33.70 | Incomplete Integration | mcwhirter l | 10/04/19 00:39 |
| PCB-110/115 | 33.70 | Incomplete Integration | mcwhirter l | 10/04/19 00:39 |
| PCB-115 | 33.70 | Incomplete Integration | mcwhirter l | 10/04/19 00:39 |
| PCB-135 | 34.63 | Invalid Compound ID | mcwhirter l | 10/04/19 00:41 |
| PCB-135/151 | 34.63 | Invalid Compound ID | mcwhirter l | 10/04/19 00:41 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34146

Lab Sample ID: 580-88908-32 Client Sample ID: J5-SC1b-80to90-82719

Date Analyzed: 10/03/19 20:51 Lab File ID: 580-88908-a-32-c.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-151 | 34.63 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:41 |
| PCB-120 | 34.87 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:39 |
| PCB-134 | 35.73 | Incomplete Integration | mcwhirter 1 | 10/04/19 00:41 |
| PCB-134/143 | 35.73 | Incomplete Integration | mcwhirter 1 | 10/04/19 00:41 |
| PCB-143 | 35.73 | Incomplete Integration | mcwhirter 1 | 10/04/19 00:41 |
| PCB-107 | 36.24 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:39 |
| PCB-105 | 37.88 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:40 |
| PCB-159 | 42.02 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:41 |
| PCB-167 | 42.83 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:42 |
| PCB-200 | 44.48 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:43 |
| PCB-198 | 47.36 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:43 |
| PCB-198/199 | 47.36 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:43 |
| PCB-199 | 47.36 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:43 |
| PCB-196 | 48.00 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:43 |
| PCB-206 | 54.04 | Split Peak | mcwhirter 1 | 10/04/19 00:44 |
| PCB-209 | 55.72 | Invalid Compound ID | mcwhirter 1 | 10/04/19 00:45 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34168

Lab Sample ID: WDMCCV 140-34168/1 Client Sample ID:

Date Analyzed: 10/03/19 22:32 Lab File ID: d4191003s2.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.20 | Invalid Compound ID | mcwhirter l | 10/03/19 23:39 |
| PCB-45/51 | 23.20 | Invalid Compound ID | mcwhirter l | 10/03/19 23:39 |
| PCB-51 | 23.20 | Invalid Compound ID | mcwhirter l | 10/03/19 23:39 |
| PCB-43 | 25.00 | Invalid Compound ID | mcwhirter l | 10/03/19 23:39 |
| PCB-43/73 | 25.00 | Invalid Compound ID | mcwhirter l | 10/03/19 23:39 |
| PCB-73 | 25.00 | Invalid Compound ID | mcwhirter l | 10/03/19 23:39 |
| PCB-40 | 26.87 | Invalid Compound ID | mcwhirter l | 10/03/19 23:40 |
| PCB-40/41/71 | 26.87 | Invalid Compound ID | mcwhirter l | 10/03/19 23:40 |
| PCB-41 | 26.87 | Invalid Compound ID | mcwhirter l | 10/03/19 23:40 |
| PCB-71 | 26.87 | Invalid Compound ID | mcwhirter l | 10/03/19 23:40 |
| PCB-102 | 29.13 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-98 | 29.13 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-98/102 | 29.13 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-88 | 29.63 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-88/91 | 29.63 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-91 | 29.63 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-121 | 30.75 | Incomplete Integration | mcwhirter l | 10/03/19 23:41 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34168

Lab Sample ID: WDMCCV 140-34168/1 Client Sample ID:

Date Analyzed: 10/03/19 22:32 Lab File ID: d4191003s2.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-92 | 31.12 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-83 | 32.29 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-83/99 | 32.29 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-99 | 32.29 | Invalid Compound ID | mcwhirter l | 10/03/19 23:41 |
| PCB-109 | 32.77 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-119 | 32.77 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-125 | 32.77 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-86 | 32.77 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-86/87/97/109/119/125 | 32.77 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-87 | 32.77 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-97 | 32.77 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-135 | 34.66 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-135/151 | 34.66 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-151 | 34.66 | Invalid Compound ID | mcwhirter l | 10/03/19 23:42 |
| PCB-132 | 36.78 | Invalid Compound ID | mcwhirter l | 10/03/19 23:43 |
| PCB-129 | 39.81 | Invalid Compound ID | mcwhirter l | 10/03/19 23:43 |
| PCB-129/138/160/163 | 39.81 | Invalid Compound ID | mcwhirter l | 10/03/19 23:43 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34168

Lab Sample ID: WDMCCV 140-34168/1 Client Sample ID:

Date Analyzed: 10/03/19 22:32 Lab File ID: d4191003s2.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-138 | 39.81 | Invalid Compound ID | mcwhirter l | 10/03/19 23:43 |
| PCB-160 | 39.81 | Invalid Compound ID | mcwhirter l | 10/03/19 23:43 |
| PCB-163 | 39.81 | Invalid Compound ID | mcwhirter l | 10/03/19 23:43 |
| PCB-183 | 41.78 | Invalid Compound ID | mcwhirter l | 10/03/19 23:44 |
| PCB-183/185 | 41.78 | Invalid Compound ID | mcwhirter l | 10/03/19 23:44 |
| PCB-185 | 41.78 | Invalid Compound ID | mcwhirter l | 10/03/19 23:44 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-33  Client Sample ID: J5-SC1b-90to100-82719

Date Analyzed: 10/04/19 02:55  Lab File ID: 580-88908-a-33-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-8 | | Invalid Compound ID | layk | 10/04/19 09:31 |
| PCB-1L | 11.95 | Invalid Compound ID | layk | 10/04/19 09:30 |
| PCB-3L | 14.03 | Baseline | davidsonm | 10/04/19 14:04 |
| PCB-15L | 20.03 | Split Peak | davidsonm | 10/04/19 14:04 |
| PCB-40 | 26.89 | Split Peak | layk | 10/04/19 09:32 |
| PCB-40/41/71 | 26.89 | Split Peak | layk | 10/04/19 09:32 |
| PCB-41 | 26.89 | Split Peak | layk | 10/04/19 09:32 |
| PCB-71 | 26.89 | Split Peak | layk | 10/04/19 09:32 |
| PCB-64 | 27.10 | Split Peak | layk | 10/04/19 09:32 |
| PCB-68 | 28.20 | Baseline | layk | 10/04/19 09:33 |
| PCB-100 | 28.95 | Split Peak | layk | 10/04/19 09:34 |
| PCB-93 | 28.95 | Split Peak | layk | 10/04/19 09:34 |
| PCB-93/100 | 28.95 | Split Peak | layk | 10/04/19 09:34 |
| PCB-102 | 29.09 | Split Peak | layk | 10/04/19 09:34 |
| PCB-98 | 29.09 | Split Peak | layk | 10/04/19 09:34 |
| PCB-98/102 | 29.09 | Split Peak | layk | 10/04/19 09:34 |
| PCB-83 | 32.28 | Split Peak | layk | 10/04/19 09:34 |
| PCB-83/99 | 32.28 | Split Peak | layk | 10/04/19 09:34 |
| PCB-99 | 32.28 | Split Peak | layk | 10/04/19 09:34 |
| PCB-112 | 32.43 | Split Peak | layk | 10/04/19 09:35 |
| PCB-148 | 34.00 | Baseline | layk | 10/04/19 09:37 |
| PCB-135 | 34.58 | Incomplete Integration | layk | 10/04/19 09:37 |
| PCB-135/151 | 34.58 | Incomplete Integration | layk | 10/04/19 09:37 |
| PCB-151 | 34.58 | Incomplete Integration | layk | 10/04/19 09:37 |
| PCB-147 | 35.52 | Invalid Compound ID | layk | 10/04/19 09:38 |
| PCB-147/149 | 35.52 | Invalid Compound ID | layk | 10/04/19 09:38 |
| PCB-149 | 35.52 | Invalid Compound ID | layk | 10/04/19 09:38 |
| PCB-107 | 36.22 | Incomplete Integration | layk | 10/04/19 09:35 |
| PCB-146 | 37.92 | Split Peak | layk | 10/04/19 09:39 |
| PCB-184 | 38.03 | Split Peak | layk | 10/04/19 09:41 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-33  Client Sample ID: J5-SC1b-90to100-82719

Date Analyzed: 10/04/19 02:55  Lab File ID: 580-88908-a-33-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-187 | 41.15 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-183 | 41.78 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-183/185 | 41.78 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-185 | 41.78 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-159 | 42.00 | Split Peak | layk | 10/04/19 09:39 |
| PCB-174 | 42.00 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-177 | 42.45 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-197 | 44.41 | Incomplete Integration | layk | 10/04/19 09:43 |
| PCB-180 | 45.34 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-180/193 | 45.34 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-193 | 45.34 | Assign Peak | layk | 10/04/19 09:42 |
| PCB-191 | 45.72 | Incomplete Integration | layk | 10/04/19 09:43 |
| PCB-169 | 47.17 | Baseline | layk | 10/04/19 09:40 |
| PCB-196 | 47.98 | Split Peak | layk | 10/04/19 09:44 |
| PCB-203 | 48.16 | Split Peak | layk | 10/04/19 09:43 |
| PCB-206 | 54.05 | Baseline | layk | 10/04/19 09:44 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-34  Client Sample ID: J5-SC1b-100to110-82719

Date Analyzed: 10/04/19 03:57  Lab File ID: 580-88908-a-34-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-204 | | Assign Peak | layk | 10/04/19 10:28 |
| PCB-3 | | Invalid Compound ID | layk | 10/04/19 09:47 |
| PCB-39 | | Invalid Compound ID | layk | 10/04/19 09:50 |
| PCB-1 | 11.99 | Split Peak | layk | 10/04/19 09:47 |
| PCB-1L | 11.99 | Baseline | davidsonm | 10/04/19 14:07 |
| PCB-3L | 14.05 | Baseline | davidsonm | 10/04/19 14:07 |
| PCB-8 | 17.02 | Split Peak | layk | 10/04/19 09:48 |
| PCB-11 | 19.47 | Split Peak | layk | 10/04/19 09:48 |
| PCB-24 | 19.90 | Split Peak | layk | 10/04/19 09:49 |
| PCB-16 | 20.02 | Split Peak | layk | 10/04/19 09:49 |
| PCB-15L | 20.05 | Baseline | davidsonm | 10/04/19 14:07 |
| PCB-25 | 22.45 | Split Peak | layk | 10/04/19 09:49 |
| PCB-31 | 22.77 | Split Peak | layk | 10/04/19 09:50 |
| PCB-22 | 23.69 | Split Peak | layk | 10/04/19 09:50 |
| PCB-36 | 25.37 | Split Peak | layk | 10/04/19 09:50 |
| PCB-96 | 26.18 | Split Peak | layk | 10/04/19 09:58 |
| PCB-40 | 26.88 | Split Peak | layk | 10/04/19 09:55 |
| PCB-40/41/71 | 26.88 | Split Peak | layk | 10/04/19 09:55 |
| PCB-41 | 26.88 | Split Peak | layk | 10/04/19 09:55 |
| PCB-71 | 26.88 | Split Peak | layk | 10/04/19 09:55 |
| PCB-37 | 27.05 | Split Peak | layk | 10/04/19 09:50 |
| PCB-64 | 27.10 | Split Peak | layk | 10/04/19 09:55 |
| PCB-103 | 28.13 | Assign Peak | layk | 10/04/19 10:00 |
| PCB-94 | 28.32 | Assign Peak | layk | 10/04/19 10:00 |
| PCB-95 | 28.77 | Split Peak | layk | 10/04/19 10:01 |
| PCB-100 | 28.92 | Assign Peak | layk | 10/04/19 10:01 |
| PCB-93 | 28.92 | Assign Peak | layk | 10/04/19 10:01 |
| PCB-93/100 | 28.92 | Assign Peak | layk | 10/04/19 10:01 |
| PCB-83 | 32.29 | Split Peak | layk | 10/04/19 10:02 |
| PCB-83/99 | 32.29 | Split Peak | layk | 10/04/19 10:02 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-34  Client Sample ID: J5-SC1b-100to110-82719

Date Analyzed: 10/04/19 03:57  Lab File ID: 580-88908-a-34-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-99 | 32.29 | Split Peak | layk | 10/04/19 10:02 |
| PCB-112 | 32.42 | Split Peak | layk | 10/04/19 10:03 |
| PCB-109 | 32.88 | Incomplete Integration | layk | 10/04/19 10:03 |
| PCB-119 | 32.88 | Incomplete Integration | layk | 10/04/19 10:03 |
| PCB-125 | 32.88 | Incomplete Integration | layk | 10/04/19 10:03 |
| PCB-86 | 32.88 | Incomplete Integration | layk | 10/04/19 10:03 |
| PCB-86/87/97/109/119/125 | 32.88 | Incomplete Integration | layk | 10/04/19 10:03 |
| PCB-87 | 32.88 | Incomplete Integration | layk | 10/04/19 10:03 |
| PCB-97 | 32.88 | Incomplete Integration | layk | 10/04/19 10:03 |
| PCB-81 | 33.72 | Split Peak | layk | 10/04/19 09:58 |
| PCB-147 | 35.53 | Incomplete Integration | layk | 10/04/19 10:07 |
| PCB-147/149 | 35.53 | Incomplete Integration | layk | 10/04/19 10:07 |
| PCB-149 | 35.53 | Incomplete Integration | layk | 10/04/19 10:07 |
| PCB-107 | 36.23 | Split Peak | layk | 10/04/19 10:04 |
| PCB-123 | 36.34 | Split Peak | layk | 10/04/19 10:04 |
| PCB-146 | 37.94 | Split Peak | layk | 10/04/19 10:24 |
| PCB-161 | 38.10 | Split Peak | layk | 10/04/19 10:24 |
| PCB-127 | 39.38 | Split Peak | layk | 10/04/19 10:05 |
| PCB-126 | 40.95 | Split Peak | layk | 10/04/19 10:05 |
| PCB-187 | 41.17 | Incomplete Integration | layk | 10/04/19 10:26 |
| PCB-159 | 41.99 | Split Peak | layk | 10/04/19 10:25 |
| PCB-177 | 42.45 | Incomplete Integration | layk | 10/04/19 10:26 |
| PCB-181 | 42.86 | Incomplete Integration | layk | 10/04/19 10:26 |
| PCB-200 | 44.52 | Invalid Compound ID | layk | 10/04/19 10:29 |
| PCB-180 | 45.34 | Incomplete Integration | layk | 10/04/19 10:27 |
| PCB-180/193 | 45.34 | Incomplete Integration | layk | 10/04/19 10:27 |
| PCB-193 | 45.34 | Incomplete Integration | layk | 10/04/19 10:27 |
| PCB-170L | 46.58 | Incomplete Integration | layk | 10/04/19 10:25 |
| PCB-195 | 49.49 | Incomplete Integration | layk | 10/04/19 10:29 |
| PCB-189 | 49.70 | Split Peak | layk | 10/04/19 10:27 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-34  Client Sample ID: J5-SC1b-100to110-82719

Date Analyzed: 10/04/19 03:57  Lab File ID: 580-88908-a-34-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-206 | 54.08 | Incomplete Integration | layk | 10/04/19 10:30 |
| PCB-209 | 55.71 | Incomplete Integration | layk | 10/04/19 10:30 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-35  Client Sample ID: J5-SC1b-00to10-82719

Date Analyzed: 10/04/19 04:59  Lab File ID: 580-88908-a-35-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-112 | | Invalid Compound ID | davidsonm | 10/04/19 13:42 |
| PCB-36 | | Split Peak | layk | 10/04/19 10:35 |
| PCB-1L | 11.98 | Baseline | davidsonm | 10/04/19 14:10 |
| PCB-2 | 13.89 | Invalid Compound ID | layk | 10/04/19 10:32 |
| PCB-5 | 16.93 | Split Peak | davidsonm | 10/04/19 13:40 |
| PCB-8 | 17.03 | Split Peak | davidsonm | 10/04/19 13:40 |
| PCB-34 | 21.77 | Incomplete Integration | layk | 10/04/19 10:34 |
| PCB-25 | 22.49 | Incomplete Integration | layk | 10/04/19 10:34 |
| PCB-22 | 23.69 | Incomplete Integration | layk | 10/04/19 10:35 |
| PCB-39 | 25.60 | Split Peak | layk | 10/04/19 10:36 |
| PCB-38 | 26.25 | Assign Peak | layk | 10/04/19 10:36 |
| PCB-83 | 32.30 | Split Peak | layk | 10/04/19 10:41 |
| PCB-83/99 | 32.30 | Split Peak | layk | 10/04/19 10:41 |
| PCB-99 | 32.30 | Split Peak | layk | 10/04/19 10:41 |
| PCB-109 | 32.80 | Incomplete Integration | layk | 10/04/19 10:42 |
| PCB-119 | 32.80 | Incomplete Integration | layk | 10/04/19 10:42 |
| PCB-125 | 32.80 | Incomplete Integration | layk | 10/04/19 10:42 |
| PCB-79 | 32.80 | Invalid Compound ID | layk | 10/04/19 10:39 |
| PCB-86 | 32.80 | Incomplete Integration | layk | 10/04/19 10:42 |
| PCB-86/87/97/109/119/125 | 32.80 | Incomplete Integration | layk | 10/04/19 10:42 |
| PCB-87 | 32.80 | Incomplete Integration | layk | 10/04/19 10:42 |
| PCB-97 | 32.80 | Incomplete Integration | layk | 10/04/19 10:42 |
| PCB-147 | 35.55 | Incomplete Integration | layk | 10/04/19 10:45 |
| PCB-147/149 | 35.55 | Incomplete Integration | layk | 10/04/19 10:45 |
| PCB-149 | 35.55 | Incomplete Integration | layk | 10/04/19 10:45 |
| PCB-107 | 36.24 | Split Peak | layk | 10/04/19 10:42 |
| PCB-123 | 36.36 | Split Peak | layk | 10/04/19 10:43 |
| PCB-133 | 37.32 | Incomplete Integration | layk | 10/04/19 10:46 |
| PCB-146 | 37.96 | Split Peak | layk | 10/04/19 10:50 |
| PCB-161 | 38.08 | Split Peak | layk | 10/04/19 10:50 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-35  Client Sample ID: J5-SC1b-00to10-82719

Date Analyzed: 10/04/19 04:59  Lab File ID: 580-88908-a-35-c.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-127 | 39.40 | Split Peak | layk | 10/04/19 10:43 |
| PCB-162 | 42.35 | Assign Peak | layk | 10/04/19 10:51 |
| PCB-167 | 42.84 | Assign Peak | layk | 10/04/19 10:52 |
| PCB-180 | 45.37 | Assign Peak | layk | 10/04/19 10:53 |
| PCB-180/193 | 45.37 | Assign Peak | layk | 10/04/19 10:53 |
| PCB-193 | 45.37 | Assign Peak | layk | 10/04/19 10:53 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-36  Client Sample ID: J5-SC1b-10to20-82719

Date Analyzed: 10/04/19 06:01  Lab File ID: 580-88908-a-36-c_19100406  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-161 | | Invalid Compound ID | davidsonm | 10/04/19 14:14 |
| PCB-1L | 12.00 | Baseline | davidsonm | 10/04/19 14:12 |
| PCB-3L | 14.06 | Baseline | davidsonm | 10/04/19 14:12 |
| PCB-8 | 17.04 | Split Peak | layk | 10/04/19 10:55 |
| PCB-12 | 19.74 | Incomplete Integration | layk | 10/04/19 10:56 |
| PCB-12/13 | 19.74 | Incomplete Integration | layk | 10/04/19 10:56 |
| PCB-13 | 19.74 | Incomplete Integration | layk | 10/04/19 10:56 |
| PCB-24 | 19.93 | Split Peak | layk | 10/04/19 10:57 |
| PCB-16 | 20.02 | Split Peak | layk | 10/04/19 10:57 |
| PCB-15L | 20.05 | Baseline | davidsonm | 10/04/19 14:13 |
| PCB-25 | 22.46 | Split Peak | layk | 10/04/19 10:58 |
| PCB-31 | 22.78 | Split Peak | layk | 10/04/19 10:58 |
| PCB-45 | 23.24 | Incomplete Integration | layk | 10/04/19 10:58 |
| PCB-45/51 | 23.24 | Incomplete Integration | layk | 10/04/19 10:58 |
| PCB-51 | 23.24 | Incomplete Integration | layk | 10/04/19 10:58 |
| PCB-22 | 23.70 | Split Peak | layk | 10/04/19 10:58 |
| PCB-94 | 28.34 | Assign Peak | layk | 10/04/19 11:03 |
| PCB-58 | 28.87 | Split Peak | layk | 10/04/19 11:00 |
| PCB-66 | 29.97 | Split Peak | layk | 10/04/19 11:00 |
| PCB-155 | 31.51 | Assign Peak | layk | 10/04/19 11:07 |
| PCB-83 | 32.30 | Incomplete Integration | layk | 10/04/19 11:04 |
| PCB-83/99 | 32.30 | Incomplete Integration | layk | 10/04/19 11:04 |
| PCB-99 | 32.30 | Incomplete Integration | layk | 10/04/19 11:04 |
| PCB-109 | 32.88 | Incomplete Integration | layk | 10/04/19 11:05 |
| PCB-119 | 32.88 | Incomplete Integration | layk | 10/04/19 11:05 |
| PCB-125 | 32.88 | Incomplete Integration | layk | 10/04/19 11:05 |
| PCB-86 | 32.88 | Incomplete Integration | layk | 10/04/19 11:05 |
| PCB-86/87/97/109/119/125 | 32.88 | Incomplete Integration | layk | 10/04/19 11:05 |
| PCB-87 | 32.88 | Incomplete Integration | layk | 10/04/19 11:05 |
| PCB-97 | 32.88 | Incomplete Integration | layk | 10/04/19 11:05 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34168

Lab Sample ID: 580-88908-36  Client Sample ID: J5-SC1b-10to20-82719

Date Analyzed: 10/04/19 06:01  Lab File ID: 580-88908-a-36-c_19100406  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-81 | 33.69 | Split Peak | layk | 10/04/19 11:01 |
| PCB-147 | 35.54 | Incomplete Integration | layk | 10/04/19 11:23 |
| PCB-147/149 | 35.54 | Incomplete Integration | layk | 10/04/19 11:23 |
| PCB-149 | 35.54 | Incomplete Integration | layk | 10/04/19 11:23 |
| PCB-107 | 36.24 | Split Peak | layk | 10/04/19 11:05 |
| PCB-123 | 36.35 | Split Peak | layk | 10/04/19 11:06 |
| PCB-188 | 37.23 | Assign Peak | layk | 10/04/19 11:27 |
| PCB-146 | 37.95 | Split Peak | layk | 10/04/19 11:25 |
| PCB-127 | 39.39 | Split Peak | layk | 10/04/19 11:06 |
| PCB-175 | 40.92 | Assign Peak | layk | 10/04/19 11:27 |
| PCB-180 | 45.36 | Assign Peak | layk | 10/04/19 11:28 |
| PCB-180/193 | 45.36 | Assign Peak | layk | 10/04/19 11:28 |
| PCB-193 | 45.36 | Assign Peak | layk | 10/04/19 11:28 |
| PCB-169 | 47.15 | Assign Peak | layk | 10/04/19 11:26 |
| PCB-189 | 49.73 | Split Peak | layk | 10/04/19 11:28 |
| PCB-206 | 54.04 | Split Peak | layk | 10/04/19 11:29 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: WDMCCV 140-34298/1  Client Sample ID:

Date Analyzed: 10/09/19 13:16  Lab File ID: d4191009s1.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.30 | Invalid Compound ID | davidsonm | 10/09/19 14:23 |
| PCB-45/51 | 23.30 | Invalid Compound ID | davidsonm | 10/09/19 14:23 |
| PCB-51 | 23.30 | Invalid Compound ID | davidsonm | 10/09/19 14:23 |
| PCB-43 | 25.10 | Incomplete Integration | davidsonm | 10/09/19 14:24 |
| PCB-43/73 | 25.10 | Incomplete Integration | davidsonm | 10/09/19 14:24 |
| PCB-73 | 25.10 | Incomplete Integration | davidsonm | 10/09/19 14:24 |
| PCB-40 | 26.97 | Invalid Compound ID | davidsonm | 10/09/19 14:24 |
| PCB-40/41/71 | 26.97 | Invalid Compound ID | davidsonm | 10/09/19 14:24 |
| PCB-41 | 26.97 | Invalid Compound ID | davidsonm | 10/09/19 14:24 |
| PCB-71 | 26.97 | Invalid Compound ID | davidsonm | 10/09/19 14:24 |
| PCB-102 | 29.24 | Incomplete Integration | davidsonm | 10/09/19 14:25 |
| PCB-98 | 29.24 | Incomplete Integration | davidsonm | 10/09/19 14:25 |
| PCB-98/102 | 29.24 | Incomplete Integration | davidsonm | 10/09/19 14:25 |
| PCB-88 | 29.74 | Invalid Compound ID | davidsonm | 10/09/19 14:26 |
| PCB-88/91 | 29.74 | Invalid Compound ID | davidsonm | 10/09/19 14:26 |
| PCB-91 | 29.74 | Invalid Compound ID | davidsonm | 10/09/19 14:26 |
| PCB-109 | 32.88 | Incomplete Integration | davidsonm | 10/09/19 14:26 |
| PCB-119 | 32.88 | Incomplete Integration | davidsonm | 10/09/19 14:26 |
| PCB-125 | 32.88 | Incomplete Integration | davidsonm | 10/09/19 14:26 |
| PCB-86 | 32.88 | Incomplete Integration | davidsonm | 10/09/19 14:26 |
| PCB-86/87/97/109/119/125 | 32.88 | Incomplete Integration | davidsonm | 10/09/19 14:26 |
| PCB-87 | 32.88 | Incomplete Integration | davidsonm | 10/09/19 14:26 |
| PCB-97 | 32.88 | Incomplete Integration | davidsonm | 10/09/19 14:26 |
| PCB-135 | 34.77 | Incomplete Integration | davidsonm | 10/09/19 14:31 |
| PCB-135/151 | 34.77 | Incomplete Integration | davidsonm | 10/09/19 14:31 |
| PCB-151 | 34.77 | Incomplete Integration | davidsonm | 10/09/19 14:31 |
| PCB-129 | 39.93 | Incomplete Integration | davidsonm | 10/09/19 14:32 |
| PCB-129/138/160/163 | 39.93 | Incomplete Integration | davidsonm | 10/09/19 14:32 |
| PCB-138 | 39.93 | Incomplete Integration | davidsonm | 10/09/19 14:32 |
| PCB-160 | 39.93 | Incomplete Integration | davidsonm | 10/09/19 14:32 |

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HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: WDMCCV 140-34298/1  Client Sample ID:

Date Analyzed: 10/09/19 13:16  Lab File ID: d4191009s1.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-163 | 39.93 | Incomplete Integration | davidsonm | 10/09/19 14:32 |
| PCB-183 | 41.89 | Incomplete Integration | davidsonm | 10/09/19 14:33 |
| PCB-183/185 | 41.89 | Incomplete Integration | davidsonm | 10/09/19 14:33 |
| PCB-185 | 41.89 | Incomplete Integration | davidsonm | 10/09/19 14:33 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: LCS 140-34150/13-B  Client Sample ID:

Date Analyzed: 10/09/19 14:41  Lab File ID: lcs140-3415013-b.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.33 | Incomplete Integration | davidsonm | 10/09/19 15:50 |
| PCB-45/51 | 23.33 | Incomplete Integration | davidsonm | 10/09/19 15:50 |
| PCB-51 | 23.33 | Incomplete Integration | davidsonm | 10/09/19 15:50 |
| PCB-43 | 25.13 | Incomplete Integration | davidsonm | 10/09/19 15:50 |
| PCB-43/73 | 25.13 | Incomplete Integration | davidsonm | 10/09/19 15:50 |
| PCB-73 | 25.13 | Incomplete Integration | davidsonm | 10/09/19 15:50 |
| PCB-49 | 25.45 | Invalid Compound ID | davidsonm | 10/09/19 15:51 |
| PCB-49/69 | 25.45 | Invalid Compound ID | davidsonm | 10/09/19 15:51 |
| PCB-69 | 25.45 | Invalid Compound ID | davidsonm | 10/09/19 15:51 |
| PCB-40 | 27.00 | Incomplete Integration | davidsonm | 10/09/19 15:51 |
| PCB-40/41/71 | 27.00 | Incomplete Integration | davidsonm | 10/09/19 15:51 |
| PCB-41 | 27.00 | Incomplete Integration | davidsonm | 10/09/19 15:51 |
| PCB-71 | 27.00 | Incomplete Integration | davidsonm | 10/09/19 15:51 |
| PCB-102 | 29.26 | Invalid Compound ID | davidsonm | 10/09/19 15:52 |
| PCB-98 | 29.26 | Invalid Compound ID | davidsonm | 10/09/19 15:52 |
| PCB-98/102 | 29.26 | Invalid Compound ID | davidsonm | 10/09/19 15:52 |
| PCB-88 | 29.76 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-88/91 | 29.76 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-91 | 29.76 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-109 | 32.90 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-119 | 32.90 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-125 | 32.90 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-86 | 32.90 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-86/87/97/109/119/125 | 32.90 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-87 | 32.90 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-97 | 32.90 | Incomplete Integration | davidsonm | 10/09/19 15:52 |
| PCB-135 | 34.72 | Invalid Compound ID | davidsonm | 10/09/19 15:53 |
| PCB-135/151 | 34.72 | Invalid Compound ID | davidsonm | 10/09/19 15:53 |
| PCB-151 | 34.72 | Invalid Compound ID | davidsonm | 10/09/19 15:53 |
| PCB-129 | 39.94 | Incomplete Integration | davidsonm | 10/09/19 15:54 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: LCS 140-34150/13-B  Client Sample ID:

Date Analyzed: 10/09/19 14:41  Lab File ID: lcs140-3415013-b.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-129/138/160/163 | 39.94 | Incomplete Integration | davidsonm | 10/09/19 15:54 |
| PCB-138 | 39.94 | Incomplete Integration | davidsonm | 10/09/19 15:54 |
| PCB-160 | 39.94 | Incomplete Integration | davidsonm | 10/09/19 15:54 |
| PCB-163 | 39.94 | Incomplete Integration | davidsonm | 10/09/19 15:54 |
| PCB-183 | 41.90 | Incomplete Integration | davidsonm | 10/09/19 15:54 |
| PCB-183/185 | 41.90 | Incomplete Integration | davidsonm | 10/09/19 15:54 |
| PCB-185 | 41.90 | Incomplete Integration | davidsonm | 10/09/19 15:54 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: MB 140-34150/12-B Client Sample ID:

Date Analyzed: 10/09/19 16:44 Lab File ID: mb140-3415012-b.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-123 | | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-191 | | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:15 |
| PCB-192 | | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:13 |
| PCB-203 | | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:16 |
| PCB-205 | | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:16 |
| PCB-54 | | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-18 | 19.18 | Split Peak | mcwhirter 1 | 10/09/19 19:06 |
| PCB-18/30 | 19.18 | Split Peak | mcwhirter 1 | 10/09/19 19:06 |
| PCB-30 | 19.18 | Split Peak | mcwhirter 1 | 10/09/19 19:06 |
| PCB-17 | 19.56 | Split Peak | mcwhirter 1 | 10/09/19 19:06 |
| PCB-45 | 23.31 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-45/51 | 23.31 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-51 | 23.31 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-49 | 25.46 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-49/69 | 25.46 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-69 | 25.46 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-44 | 25.99 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: MB 140-34150/12-B Client Sample ID:

Date Analyzed: 10/09/19 16:44 Lab File ID: mb140-3415012-b.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-44/47/65 | 25.99 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-47 | 25.99 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-65 | 25.99 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:07 |
| PCB-37 | 27.10 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:06 |
| PCB-92 | 31.25 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:08 |
| PCB-136 | 32.32 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:10 |
| PCB-83 | 32.37 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:08 |
| PCB-83/99 | 32.37 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:08 |
| PCB-99 | 32.37 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:08 |
| PCB-109 | 32.89 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-119 | 32.89 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-125 | 32.89 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-86 | 32.89 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-86/87/97/109/119/125 | 32.89 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-87 | 32.89 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-97 | 32.89 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:09 |
| PCB-110 | 33.77 | Incomplete Integration | mcwhirter 1 | 10/09/19 19:09 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: MB 140-34150/12-B Client Sample ID:

Date Analyzed: 10/09/19 16:44 Lab File ID: mb140-3415012-b.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-110/115 | 33.77 | Incomplete Integration | mcwhirter l | 10/09/19 19:09 |
| PCB-115 | 33.77 | Incomplete Integration | mcwhirter l | 10/09/19 19:09 |
| PCB-135 | 34.78 | Invalid Compound ID | mcwhirter l | 10/09/19 19:11 |
| PCB-135/151 | 34.78 | Invalid Compound ID | mcwhirter l | 10/09/19 19:11 |
| PCB-151 | 34.78 | Invalid Compound ID | mcwhirter l | 10/09/19 19:11 |
| PCB-107 | 36.39 | Split Peak | mcwhirter l | 10/09/19 19:10 |
| PCB-132 | 36.90 | Invalid Compound ID | mcwhirter l | 10/09/19 19:11 |
| PCB-130 | 39.28 | Invalid Compound ID | mcwhirter l | 10/09/19 19:11 |
| PCB-158 | 40.33 | Invalid Compound ID | mcwhirter l | 10/09/19 19:11 |
| PCB-174 | 42.13 | Invalid Compound ID | mcwhirter l | 10/09/19 19:12 |
| PCB-162 | 42.47 | Invalid Compound ID | mcwhirter l | 10/09/19 19:12 |
| PCB-171 | 43.18 | Invalid Compound ID | mcwhirter l | 10/09/19 19:13 |
| PCB-171/173 | 43.18 | Invalid Compound ID | mcwhirter l | 10/09/19 19:13 |
| PCB-173 | 43.18 | Invalid Compound ID | mcwhirter l | 10/09/19 19:13 |
| PCB-156 | 44.04 | Invalid Compound ID | mcwhirter l | 10/09/19 19:12 |
| PCB-156/157 | 44.04 | Invalid Compound ID | mcwhirter l | 10/09/19 19:12 |
| PCB-157 | 44.04 | Invalid Compound ID | mcwhirter l | 10/09/19 19:12 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: MB 140-34150/12-B  Client Sample ID:

Date Analyzed: 10/09/19 16:44  Lab File ID: mb140-3415012-b.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-180 | 45.47 | Invalid Compound ID | mcwhirter l | 10/09/19 19:14 |
| PCB-180/193 | 45.47 | Invalid Compound ID | mcwhirter l | 10/09/19 19:14 |
| PCB-193 | 45.47 | Invalid Compound ID | mcwhirter l | 10/09/19 19:14 |
| PCB-170 | 46.69 | Invalid Compound ID | mcwhirter l | 10/09/19 19:15 |
| PCB-194 | 51.97 | Invalid Compound ID | mcwhirter l | 10/09/19 19:16 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: 580-88908-28 RE  Client Sample ID: J5-SC1b-40to50-82719 RE

Date Analyzed: 10/09/19 17:46  Lab File ID: 580-88908-a-28-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-145 | | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:04 |
| PCB-11 | 19.47 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:57 |
| PCB-12 | 19.75 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:57 |
| PCB-12/13 | 19.75 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:57 |
| PCB-13 | 19.75 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:57 |
| PCB-45 | 23.22 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:58 |
| PCB-45/51 | 23.22 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:58 |
| PCB-51 | 23.22 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:58 |
| PCB-46 | 23.53 | Incomplete Integration | mcwhirter 1 | 10/09/19 19:59 |
| PCB-43 | 25.20 | Split Peak | mcwhirter 1 | 10/09/19 19:59 |
| PCB-43/73 | 25.20 | Split Peak | mcwhirter 1 | 10/09/19 19:59 |
| PCB-73 | 25.20 | Split Peak | mcwhirter 1 | 10/09/19 19:59 |
| PCB-36 | 25.33 | Split Peak | mcwhirter 1 | 10/09/19 19:58 |
| PCB-49 | 25.45 | Split Peak | mcwhirter 1 | 10/09/19 19:59 |
| PCB-49/69 | 25.45 | Split Peak | mcwhirter 1 | 10/09/19 19:59 |
| PCB-69 | 25.45 | Split Peak | mcwhirter 1 | 10/09/19 19:59 |
| PCB-39 | 25.68 | Invalid Compound ID | mcwhirter 1 | 10/09/19 19:58 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: 580-88908-28 RE Client Sample ID: J5-SC1b-40to50-82719 RE

Date Analyzed: 10/09/19 17:46 Lab File ID: 580-88908-a-28-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-40 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:00 |
| PCB-40/41/71 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:00 |
| PCB-41 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:00 |
| PCB-71 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:00 |
| PCB-66 | 30.09 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:00 |
| PCB-55 | 30.20 | Split Peak | mcwhirter 1 | 10/09/19 20:01 |
| PCB-83 | 32.42 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-83/99 | 32.42 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-99 | 32.42 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-109 | 32.91 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-119 | 32.91 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-125 | 32.91 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-86 | 32.91 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-86/87/97/109/119/125 | 32.91 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-87 | 32.91 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-97 | 32.91 | Invalid Compound ID | mcwhirter 1 | 10/09/19 20:03 |
| PCB-134 | 35.87 | Baseline | mcwhirter 1 | 10/09/19 20:04 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: 580-88908-28 RE Client Sample ID: J5-SC1b-40to50-82719 RE

Date Analyzed: 10/09/19 17:46 Lab File ID: 580-88908-a-28-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-134/143 | 35.87 | Baseline | mcwhirter l | 10/09/19 20:04 |
| PCB-143 | 35.87 | Baseline | mcwhirter l | 10/09/19 20:04 |
| PCB-126 | 41.09 | Invalid Compound ID | mcwhirter l | 10/09/19 20:03 |
| PCB-128 | 41.21 | Invalid Compound ID | mcwhirter l | 10/09/19 20:05 |
| PCB-128/166 | 41.21 | Invalid Compound ID | mcwhirter l | 10/09/19 20:05 |
| PCB-166 | 41.21 | Invalid Compound ID | mcwhirter l | 10/09/19 20:05 |
| PCB-162 | 42.49 | Incomplete Integration | mcwhirter l | 10/09/19 20:05 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: 580-88908-29 RE  Client Sample ID: J5-SC1b-50to60-82719 RE

Date Analyzed: 10/09/19 18:48  Lab File ID: 580-88908-a-29-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-127 | | Invalid Compound ID | mcwhirter l | 10/09/19 21:25 |
| PCB-45 | 23.23 | Invalid Compound ID | mcwhirter l | 10/09/19 21:08 |
| PCB-45/51 | 23.23 | Invalid Compound ID | mcwhirter l | 10/09/19 21:08 |
| PCB-51 | 23.23 | Invalid Compound ID | mcwhirter l | 10/09/19 21:08 |
| PCB-43 | 25.22 | Incomplete Integration | mcwhirter l | 10/09/19 21:09 |
| PCB-43/73 | 25.22 | Incomplete Integration | mcwhirter l | 10/09/19 21:09 |
| PCB-73 | 25.22 | Incomplete Integration | mcwhirter l | 10/09/19 21:09 |
| PCB-36 | 25.33 | Split Peak | mcwhirter l | 10/09/19 21:07 |
| PCB-39 | 25.71 | Invalid Compound ID | mcwhirter l | 10/09/19 21:08 |
| PCB-40 | 27.00 | Invalid Compound ID | mcwhirter l | 10/09/19 21:09 |
| PCB-40/41/71 | 27.00 | Invalid Compound ID | mcwhirter l | 10/09/19 21:09 |
| PCB-41 | 27.00 | Invalid Compound ID | mcwhirter l | 10/09/19 21:09 |
| PCB-71 | 27.00 | Invalid Compound ID | mcwhirter l | 10/09/19 21:09 |
| PCB-61 | 29.77 | Other | mcwhirter l | 10/09/19 21:10 |
| PCB-61/70/74/76 | 29.77 | Other | mcwhirter l | 10/09/19 21:10 |
| PCB-70 | 29.77 | Other | mcwhirter l | 10/09/19 21:10 |
| PCB-74 | 29.77 | Other | mcwhirter l | 10/09/19 21:10 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: 580-88908-29 RE Client Sample ID: J5-SC1b-50to60-82719 RE

Date Analyzed: 10/09/19 18:48 Lab File ID: 580-88908-a-29-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-76 | 29.77 | Other | mcwhirter l | 10/09/19 21:10 |
| PCB-66 | 30.10 | Split Peak | mcwhirter l | 10/09/19 21:10 |
| PCB-55 | 30.22 | Split Peak | mcwhirter l | 10/09/19 21:10 |
| PCB-83 | 32.44 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-83/99 | 32.44 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-99 | 32.44 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-145 | 32.62 | Invalid Compound ID | mcwhirter l | 10/09/19 21:14 |
| PCB-109 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-119 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-125 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-86 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-86/87/97/109/119/125 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-87 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-97 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:12 |
| PCB-81 | 33.91 | Split Peak | mcwhirter l | 10/09/19 21:11 |
| PCB-134 | 35.89 | Split Peak | mcwhirter l | 10/09/19 21:14 |
| PCB-134/143 | 35.89 | Split Peak | mcwhirter l | 10/09/19 21:14 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: 580-88908-29 RE Client Sample ID: J5-SC1b-50to60-82719 RE

Date Analyzed: 10/09/19 18:48 Lab File ID: 580-88908-a-29-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-143 | 35.89 | Split Peak | mcwhirter l | 10/09/19 21:14 |
| PCB-162 | 42.52 | Missed Peak | mcwhirter l | 10/09/19 21:15 |
| PCB-206 | 54.26 | Invalid Compound ID | mcwhirter l | 10/09/19 21:16 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: 580-88908-36 RE  Client Sample ID: J5-SC1b-10to20-82719 RE

Date Analyzed: 10/09/19 19:50  Lab File ID: 580-88908-a-36-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-11 | 19.47 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:18 |
| PCB-26 | 22.29 | Incomplete Integration | mcwhirter 1 | 10/09/19 21:18 |
| PCB-26/29 | 22.29 | Incomplete Integration | mcwhirter 1 | 10/09/19 21:18 |
| PCB-29 | 22.29 | Incomplete Integration | mcwhirter 1 | 10/09/19 21:18 |
| PCB-25 | 22.53 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:18 |
| PCB-45 | 23.32 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:19 |
| PCB-45/51 | 23.32 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:19 |
| PCB-51 | 23.32 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:19 |
| PCB-52 | 24.98 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:20 |
| PCB-43 | 25.21 | Incomplete Integration | mcwhirter 1 | 10/09/19 21:20 |
| PCB-43/73 | 25.21 | Incomplete Integration | mcwhirter 1 | 10/09/19 21:20 |
| PCB-73 | 25.21 | Incomplete Integration | mcwhirter 1 | 10/09/19 21:20 |
| PCB-36 | 25.34 | Split Peak | mcwhirter 1 | 10/09/19 21:19 |
| PCB-35 | 26.74 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:19 |
| PCB-40 | 27.00 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:21 |
| PCB-40/41/71 | 27.00 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:21 |
| PCB-41 | 27.00 | Invalid Compound ID | mcwhirter 1 | 10/09/19 21:21 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: 580-88908-36 RE Client Sample ID: J5-SC1b-10to20-82719 RE

Date Analyzed: 10/09/19 19:50 Lab File ID: 580-88908-a-36-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-71 | 27.00 | Invalid Compound ID | mcwhirter l | 10/09/19 21:21 |
| PCB-94 | 28.46 | Missed Peak | mcwhirter l | 10/09/19 21:22 |
| PCB-66 | 30.10 | Invalid Compound ID | mcwhirter l | 10/09/19 21:21 |
| PCB-55 | 30.22 | Split Peak | mcwhirter l | 10/09/19 21:21 |
| PCB-83 | 32.43 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-83/99 | 32.43 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-99 | 32.43 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-145 | 32.63 | Invalid Compound ID | mcwhirter l | 10/09/19 21:38 |
| PCB-109 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-119 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-125 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-86 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-86/87/97/109/119/125 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-87 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-97 | 32.94 | Invalid Compound ID | mcwhirter l | 10/09/19 21:23 |
| PCB-81 | 33.89 | Split Peak | mcwhirter l | 10/09/19 21:22 |
| PCB-134 | 35.89 | Incomplete Integration | mcwhirter l | 10/09/19 21:38 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: 580-88908-36 RE Client Sample ID: J5-SC1b-10to20-82719 RE

Date Analyzed: 10/09/19 19:50 Lab File ID: 580-88908-a-36-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-134/143 | 35.89 | Incomplete Integration | mcwhirter l | 10/09/19 21:38 |
| PCB-143 | 35.89 | Incomplete Integration | mcwhirter l | 10/09/19 21:38 |
| PCB-126 | 41.11 | Invalid Compound ID | mcwhirter l | 10/09/19 21:37 |
| PCB-206 | 54.28 | Invalid Compound ID | mcwhirter l | 10/09/19 21:39 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34298

Lab Sample ID: 580-88908-27 RE Client Sample ID: J5-SC1b-30to40-82719 RE

Date Analyzed: 10/09/19 21:54 Lab File ID: 580-88908-a-27-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.33 | Invalid Compound ID | mcwhirter l | 10/09/19 23:17 |
| PCB-45/51 | 23.33 | Invalid Compound ID | mcwhirter l | 10/09/19 23:17 |
| PCB-51 | 23.33 | Invalid Compound ID | mcwhirter l | 10/09/19 23:17 |
| PCB-52 | 24.99 | Split Peak | mcwhirter l | 10/09/19 23:18 |
| PCB-43 | 25.24 | Incomplete Integration | mcwhirter l | 10/09/19 23:18 |
| PCB-43/73 | 25.24 | Incomplete Integration | mcwhirter l | 10/09/19 23:18 |
| PCB-73 | 25.24 | Incomplete Integration | mcwhirter l | 10/09/19 23:18 |
| PCB-36 | 25.35 | Split Peak | mcwhirter l | 10/09/19 23:17 |
| PCB-40 | 27.02 | Invalid Compound ID | mcwhirter l | 10/09/19 23:18 |
| PCB-40/41/71 | 27.02 | Invalid Compound ID | mcwhirter l | 10/09/19 23:18 |
| PCB-41 | 27.02 | Invalid Compound ID | mcwhirter l | 10/09/19 23:18 |
| PCB-71 | 27.02 | Invalid Compound ID | mcwhirter l | 10/09/19 23:18 |
| PCB-57 | 28.80 | Incomplete Integration | mcwhirter l | 10/09/19 23:19 |
| PCB-66 | 30.12 | Invalid Compound ID | mcwhirter l | 10/09/19 23:19 |
| PCB-55 | 30.29 | Incomplete Integration | mcwhirter l | 10/09/19 23:20 |
| PCB-83 | 32.46 | Invalid Compound ID | mcwhirter l | 10/09/19 23:21 |
| PCB-83/99 | 32.46 | Invalid Compound ID | mcwhirter l | 10/09/19 23:21 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: 580-88908-27 RE  Client Sample ID: J5-SC1b-30to40-82719 RE

Date Analyzed: 10/09/19 21:54  Lab File ID: 580-88908-a-27-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-99 | 32.46 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:21 |
| PCB-145 | 32.68 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:23 |
| PCB-109 | 32.96 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-119 | 32.96 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-125 | 32.96 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-86 | 32.96 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-86/87/97/109/119/125 | 32.96 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-87 | 32.96 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-97 | 32.96 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-81 | 33.93 | Split Peak | mcwhirter 1 | 10/09/19 23:20 |
| PCB-134 | 35.92 | Split Peak | mcwhirter 1 | 10/09/19 23:24 |
| PCB-134/143 | 35.92 | Split Peak | mcwhirter 1 | 10/09/19 23:24 |
| PCB-143 | 35.92 | Split Peak | mcwhirter 1 | 10/09/19 23:24 |
| PCB-107 | 36.44 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:22 |
| PCB-123 | 36.52 | Split Peak | mcwhirter 1 | 10/09/19 23:22 |
| PCB-126 | 41.16 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:23 |
| PCB-128 | 41.26 | Invalid Compound ID | mcwhirter 1 | 10/09/19 23:24 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34298

Lab Sample ID: 580-88908-27 RE  Client Sample ID: J5-SC1b-30to40-82719 RE

Date Analyzed: 10/09/19 21:54  Lab File ID: 580-88908-a-27-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-128/166 | 41.26 | Invalid Compound ID | mcwhirter l | 10/09/19 23:24 |
| PCB-166 | 41.26 | Invalid Compound ID | mcwhirter l | 10/09/19 23:24 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34314

Lab Sample ID: WDMCCV 140-34314/1 Client Sample ID:

Date Analyzed: 10/10/19 00:50 Lab File ID: d4191010s1.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.30 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:55 |
| PCB-45/51 | 23.30 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:55 |
| PCB-51 | 23.30 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:55 |
| PCB-43 | 25.10 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:55 |
| PCB-43/73 | 25.10 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:55 |
| PCB-73 | 25.10 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:55 |
| PCB-40 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:56 |
| PCB-40/41/71 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:56 |
| PCB-41 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:56 |
| PCB-71 | 26.98 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:56 |
| PCB-102 | 29.24 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:56 |
| PCB-98 | 29.24 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:56 |
| PCB-98/102 | 29.24 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:56 |
| PCB-88 | 29.74 | Incomplete Integration | mcwhirter 1 | 10/10/19 01:56 |
| PCB-88/91 | 29.74 | Incomplete Integration | mcwhirter 1 | 10/10/19 01:56 |
| PCB-91 | 29.74 | Incomplete Integration | mcwhirter 1 | 10/10/19 01:56 |
| PCB-121 | 30.86 | Incomplete Integration | mcwhirter 1 | 10/10/19 01:57 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: WDMCCV 140-34314/1  Client Sample ID:

Date Analyzed: 10/10/19 00:50  Lab File ID: d4191010s1.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-92 | 31.23 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-109 | 32.88 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-119 | 32.88 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-125 | 32.88 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-86 | 32.88 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-86/87/97/109/119/125 | 32.88 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-87 | 32.88 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-97 | 32.88 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-135 | 34.70 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-135/151 | 34.70 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-151 | 34.70 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:57 |
| PCB-129 | 39.93 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:58 |
| PCB-129/138/160/163 | 39.93 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:58 |
| PCB-138 | 39.93 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:58 |
| PCB-160 | 39.93 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:58 |
| PCB-163 | 39.93 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:58 |
| PCB-183 | 41.89 | Invalid Compound ID | mcwhirter 1 | 10/10/19 01:58 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34314

Lab Sample ID: WDMCCV 140-34314/1 Client Sample ID:

Date Analyzed: 10/10/19 00:50 Lab File ID: d4191010s1.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-183/185 | 41.89 | Invalid Compound ID | mcwhirter l | 10/10/19 01:58 |
| PCB-185 | 41.89 | Invalid Compound ID | mcwhirter l | 10/10/19 01:58 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: 580-88908-26 RE  Client Sample ID: J5-SC1b-20to30-82719 RE

Date Analyzed: 10/10/19 04:06  Lab File ID: 580-88908-a-26-f_19101004  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-58 | 28.97 | Split Peak | davidsonm | 10/10/19 08:28 |
| PCB-67 | 29.19 | Split Peak | davidsonm | 10/10/19 08:28 |
| PCB-83 | 32.39 | Invalid Compound ID | mcwhirterl | 10/10/19 20:50 |
| PCB-83/99 | 32.39 | Invalid Compound ID | mcwhirterl | 10/10/19 20:50 |
| PCB-99 | 32.39 | Invalid Compound ID | mcwhirterl | 10/10/19 20:50 |
| PCB-109 | 32.89 | Incomplete Integration | davidsonm | 10/10/19 08:29 |
| PCB-119 | 32.89 | Incomplete Integration | davidsonm | 10/10/19 08:29 |
| PCB-125 | 32.89 | Incomplete Integration | davidsonm | 10/10/19 08:29 |
| PCB-86 | 32.89 | Incomplete Integration | davidsonm | 10/10/19 08:29 |
| PCB-86/87/97/109/119/125 | 32.89 | Incomplete Integration | davidsonm | 10/10/19 08:29 |
| PCB-87 | 32.89 | Incomplete Integration | davidsonm | 10/10/19 08:29 |
| PCB-97 | 32.89 | Incomplete Integration | davidsonm | 10/10/19 08:29 |
| PCB-81 | 33.85 | Split Peak | davidsonm | 10/10/19 08:29 |
| PCB-114 | 37.31 | Split Peak | davidsonm | 10/10/19 08:30 |
| PCB-127 | 39.48 | Split Peak | davidsonm | 10/10/19 08:30 |
| PCB-126 | 41.05 | Split Peak | davidsonm | 10/10/19 08:31 |
| PCB-128 | 41.17 | Incomplete Integration | davidsonm | 10/10/19 08:32 |
| PCB-128/166 | 41.17 | Incomplete Integration | davidsonm | 10/10/19 08:32 |
| PCB-166 | 41.17 | Incomplete Integration | davidsonm | 10/10/19 08:32 |
| PCB-180 | 45.47 | Incomplete Integration | davidsonm | 10/10/19 08:32 |
| PCB-180/193 | 45.47 | Incomplete Integration | davidsonm | 10/10/19 08:32 |
| PCB-193 | 45.47 | Incomplete Integration | davidsonm | 10/10/19 08:32 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34314

Lab Sample ID: 580-88908-30 RE Client Sample ID: J5-SC1b-60to70-82719 RE

Date Analyzed: 10/10/19 05:07 Lab File ID: 580-88908-a-30-f_19101005 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | 23.21 | Invalid Compound ID | mcwhirter l | 10/10/19 23:22 |
| PCB-45/51 | 23.21 | Invalid Compound ID | mcwhirter l | 10/10/19 23:22 |
| PCB-51 | 23.21 | Invalid Compound ID | mcwhirter l | 10/10/19 23:22 |
| PCB-52 | 24.95 | Split Peak | davidsonm | 10/10/19 08:47 |
| PCB-43 | 25.18 | Incomplete Integration | davidsonm | 10/10/19 08:47 |
| PCB-43/73 | 25.18 | Incomplete Integration | davidsonm | 10/10/19 08:47 |
| PCB-73 | 25.18 | Incomplete Integration | davidsonm | 10/10/19 08:47 |
| PCB-39 | 25.68 | Incomplete Integration | davidsonm | 10/10/19 08:46 |
| PCB-40 | 26.98 | Incomplete Integration | davidsonm | 10/10/19 08:48 |
| PCB-40/41/71 | 26.98 | Incomplete Integration | davidsonm | 10/10/19 08:48 |
| PCB-41 | 26.98 | Incomplete Integration | davidsonm | 10/10/19 08:48 |
| PCB-71 | 26.98 | Incomplete Integration | davidsonm | 10/10/19 08:48 |
| PCB-58 | 28.96 | Split Peak | davidsonm | 10/10/19 08:48 |
| PCB-83 | 32.41 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-83/99 | 32.41 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-99 | 32.41 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-109 | 32.90 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-119 | 32.90 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-125 | 32.90 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-86 | 32.90 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-86/87/97/109/119/125 | 32.90 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-87 | 32.90 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-97 | 32.90 | Incomplete Integration | davidsonm | 10/10/19 08:49 |
| PCB-81 | 33.87 | Split Peak | davidsonm | 10/10/19 08:49 |
| PCB-134 | 35.84 | Split Peak | davidsonm | 10/10/19 08:51 |
| PCB-134/143 | 35.84 | Split Peak | davidsonm | 10/10/19 08:51 |
| PCB-143 | 35.84 | Split Peak | davidsonm | 10/10/19 08:51 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34314

Lab Sample ID: 580-88908-30 RE Client Sample ID: J5-SC1b-60to70-82719 RE

Date Analyzed: 10/10/19 05:07 Lab File ID: 580-88908-a-30-f_19101005 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-107 | 36.35 | Split Peak | davidsonm | 10/10/19 08:50 |
| PCB-123 | 36.47 | Split Peak | davidsonm | 10/10/19 08:50 |
| PCB-114 | 37.33 | Split Peak | davidsonm | 10/10/19 08:50 |
| PCB-126 | 41.07 | Split Peak | davidsonm | 10/10/19 08:50 |
| PCB-180 | 45.50 | Split Peak | davidsonm | 10/10/19 08:52 |
| PCB-180/193 | 45.50 | Split Peak | davidsonm | 10/10/19 08:52 |
| PCB-193 | 45.50 | Split Peak | davidsonm | 10/10/19 08:52 |
| PCB-206 | 54.16 | Unspecified | mcwhirter l | 10/10/19 20:58 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: 580-88908-31 RE  Client Sample ID: J5-SC1b-70to80-82719 RE

Date Analyzed: 10/10/19 06:10  Lab File ID: 580-88908-a-31-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-127 | | Invalid Compound ID | davidsonm | 10/10/19 08:24 |
| PCB-2 | 13.76 | Baseline | davidsonm | 10/10/19 08:18 |
| PCB-11 | 19.53 | Split Peak | davidsonm | 10/10/19 08:18 |
| PCB-15 | 20.14 | Split Peak | davidsonm | 10/10/19 08:18 |
| PCB-45 | 23.37 | Incomplete Integration | davidsonm | 10/10/19 08:19 |
| PCB-45/51 | 23.37 | Incomplete Integration | davidsonm | 10/10/19 08:19 |
| PCB-51 | 23.37 | Incomplete Integration | davidsonm | 10/10/19 08:19 |
| PCB-52 | 25.05 | Split Peak | davidsonm | 10/10/19 08:20 |
| PCB-43 | 25.18 | Split Peak | davidsonm | 10/10/19 08:20 |
| PCB-43/73 | 25.18 | Split Peak | davidsonm | 10/10/19 08:20 |
| PCB-73 | 25.18 | Split Peak | davidsonm | 10/10/19 08:20 |
| PCB-58 | 29.05 | Split Peak | davidsonm | 10/10/19 08:20 |
| PCB-92 | 31.35 | Baseline | davidsonm | 10/10/19 08:22 |
| PCB-109 | 33.02 | Incomplete Integration | davidsonm | 10/10/19 08:23 |
| PCB-119 | 33.02 | Incomplete Integration | davidsonm | 10/10/19 08:23 |
| PCB-125 | 33.02 | Incomplete Integration | davidsonm | 10/10/19 08:23 |
| PCB-79 | 33.02 | Split Peak | davidsonm | 10/10/19 08:21 |
| PCB-86 | 33.02 | Incomplete Integration | davidsonm | 10/10/19 08:23 |
| PCB-86/87/97/109/119/125 | 33.02 | Incomplete Integration | davidsonm | 10/10/19 08:23 |
| PCB-87 | 33.02 | Incomplete Integration | davidsonm | 10/10/19 08:23 |
| PCB-97 | 33.02 | Incomplete Integration | davidsonm | 10/10/19 08:23 |
| PCB-77 | 34.59 | Baseline | davidsonm | 10/10/19 08:21 |
| PCB-111L | 34.63 | Baseline | davidsonm | 10/10/19 08:21 |
| PCB-144 | 35.42 | Incomplete Integration | davidsonm | 10/10/19 08:16 |
| PCB-134 | 35.97 | Split Peak | davidsonm | 10/10/19 08:25 |
| PCB-134/143 | 35.97 | Split Peak | davidsonm | 10/10/19 08:25 |
| PCB-143 | 35.97 | Split Peak | davidsonm | 10/10/19 08:25 |
| PCB-107 | 36.49 | Split Peak | davidsonm | 10/10/19 08:23 |
| PCB-123 | 36.58 | Invalid Compound ID | davidsonm | 10/10/19 08:23 |
| PCB-123L | 36.58 | Baseline | davidsonm | 10/10/19 08:22 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34314

Lab Sample ID: 580-88908-31 RE Client Sample ID: J5-SC1b-70to80-82719 RE

Date Analyzed: 10/10/19 06:10 Lab File ID: 580-88908-a-31-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-118L | 36.92 | Invalid Compound ID | davidsonm | 10/10/19 08:22 |
| PCB-118 | 36.95 | Split Peak | davidsonm | 10/10/19 08:24 |
| PCB-122 | 37.27 | Invalid Compound ID | davidsonm | 10/10/19 08:24 |
| PCB-114L | 37.44 | Baseline | davidsonm | 10/10/19 08:22 |
| PCB-114 | 37.47 | Invalid Compound ID | davidsonm | 10/10/19 08:24 |
| PCB-105L | 38.09 | Baseline | davidsonm | 10/10/19 08:22 |
| PCB-105 | 38.11 | Split Peak | davidsonm | 10/10/19 08:24 |
| PCB-126L | 41.19 | Baseline | davidsonm | 10/10/19 08:22 |
| PCB-126 | 41.24 | Split Peak | davidsonm | 10/10/19 08:24 |
| PCB-159 | 42.27 | Split Peak | davidsonm | 10/10/19 08:25 |
| PCB-180 | 45.63 | Split Peak | davidsonm | 10/10/19 08:26 |
| PCB-180/193 | 45.63 | Split Peak | davidsonm | 10/10/19 08:26 |
| PCB-193 | 45.63 | Split Peak | davidsonm | 10/10/19 08:26 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: 580-88908-32 RE  Client Sample ID: J5-SC1b-80to90-82719 RE

Date Analyzed: 10/10/19 07:11  Lab File ID: 580-88908-a-32-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-45 | | Incomplete Integration | davidsonm | 10/10/19 08:57 |
| PCB-45/51 | | Incomplete Integration | davidsonm | 10/10/19 08:57 |
| PCB-51 | | Incomplete Integration | davidsonm | 10/10/19 08:57 |
| PCB-2 | 13.73 | Split Peak | davidsonm | 10/10/19 08:53 |
| PCB-3 | 13.91 | Split Peak | davidsonm | 10/10/19 08:53 |
| PCB-4 | 14.16 | Split Peak | davidsonm | 10/10/19 08:54 |
| PCB-9 | 16.12 | Split Peak | davidsonm | 10/10/19 08:54 |
| PCB-6 | 16.54 | Split Peak | davidsonm | 10/10/19 08:54 |
| PCB-8 | 16.97 | Split Peak | davidsonm | 10/10/19 08:54 |
| PCB-19 | 17.27 | Split Peak | davidsonm | 10/10/19 08:55 |
| PCB-16 | 20.02 | Split Peak | davidsonm | 10/10/19 08:55 |
| PCB-15 | 20.06 | Split Peak | davidsonm | 10/10/19 08:55 |
| PCB-54 | 20.36 | Split Peak | davidsonm | 10/10/19 08:57 |
| PCB-32 | 20.53 | Split Peak | davidsonm | 10/10/19 08:55 |
| PCB-39 | 25.65 | Split Peak | davidsonm | 10/10/19 08:56 |
| PCB-35 | 26.70 | Split Peak | davidsonm | 10/10/19 08:56 |
| PCB-37 | 27.10 | Split Peak | davidsonm | 10/10/19 08:56 |
| PCB-58 | 28.94 | Split Peak | davidsonm | 10/10/19 08:58 |
| PCB-66 | 30.04 | Split Peak | davidsonm | 10/10/19 08:58 |
| PCB-83 | 32.37 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-83/99 | 32.37 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-99 | 32.37 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-109 | 32.87 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-119 | 32.87 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-125 | 32.87 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-79 | 32.87 | Split Peak | davidsonm | 10/10/19 08:58 |
| PCB-86 | 32.87 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-86/87/97/109/119/125 | 32.87 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-87 | 32.87 | Incomplete Integration | davidsonm | 10/10/19 08:59 |
| PCB-97 | 32.87 | Incomplete Integration | davidsonm | 10/10/19 08:59 |

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HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: 580-88908-32 RE  Client Sample ID: J5-SC1b-80to90-82719 RE

Date Analyzed: 10/10/19 07:11  Lab File ID: 580-88908-a-32-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-77 | 34.42 | Baseline | davidsonm | 10/10/19 08:58 |
| PCB-120 | 34.93 | Split Peak | davidsonm | 10/10/19 09:00 |
| PCB-154 | 34.96 | Incomplete Integration | davidsonm | 10/10/19 09:01 |
| PCB-144 | 35.26 | Incomplete Integration | davidsonm | 10/10/19 09:01 |
| PCB-134 | 35.82 | Incomplete Integration | davidsonm | 10/10/19 09:01 |
| PCB-134/143 | 35.82 | Incomplete Integration | davidsonm | 10/10/19 09:01 |
| PCB-143 | 35.82 | Incomplete Integration | davidsonm | 10/10/19 09:01 |
| PCB-107 | 36.32 | Split Peak | davidsonm | 10/10/19 09:00 |
| PCB-123 | 36.41 | Split Peak | davidsonm | 10/10/19 09:00 |
| PCB-118 | 36.77 | Split Peak | davidsonm | 10/10/19 09:00 |
| PCB-114 | 37.29 | Split Peak | davidsonm | 10/10/19 09:00 |
| PCB-105 | 37.94 | Split Peak | davidsonm | 10/10/19 09:00 |
| PCB-159 | 42.12 | Split Peak | davidsonm | 10/10/19 09:02 |
| PCB-202 | 42.68 | Split Peak | davidsonm | 10/10/19 09:03 |
| PCB-167 | 42.89 | Split Peak | davidsonm | 10/10/19 09:02 |
| PCB-201 | 43.59 | Split Peak | davidsonm | 10/10/19 09:03 |
| PCB-156 | 44.03 | Split Peak | davidsonm | 10/10/19 09:02 |
| PCB-156/157 | 44.03 | Split Peak | davidsonm | 10/10/19 09:02 |
| PCB-157 | 44.03 | Split Peak | davidsonm | 10/10/19 09:02 |
| PCB-197 | 44.55 | Baseline | davidsonm | 10/10/19 09:04 |
| PCB-200 | 44.61 | Split Peak | davidsonm | 10/10/19 09:04 |
| PCB-198 | 47.43 | Split Peak | davidsonm | 10/10/19 09:05 |
| PCB-198/199 | 47.43 | Split Peak | davidsonm | 10/10/19 09:05 |
| PCB-199 | 47.43 | Split Peak | davidsonm | 10/10/19 09:05 |
| PCB-196 | 48.07 | Split Peak | davidsonm | 10/10/19 09:05 |
| PCB-203 | 48.28 | Split Peak | davidsonm | 10/10/19 09:05 |
| PCB-208 | 49.35 | Baseline | davidsonm | 10/10/19 09:05 |
| PCB-189 | 49.86 | Baseline | davidsonm | 10/10/19 09:03 |
| PCB-206 | 54.18 | Baseline | davidsonm | 10/10/19 09:05 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: 580-88908-33 RE  Client Sample ID: J5-SC1b-90to100-82719 RE

Date Analyzed: 10/10/19 08:13  Lab File ID: 580-88908-a-33-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-8 | 16.97 | Split Peak | davidsonm | 10/10/19 09:47 |
| PCB-11 | 19.43 | Split Peak | davidsonm | 10/10/19 09:39 |
| PCB-12 | 19.72 | Split Peak | davidsonm | 10/10/19 09:39 |
| PCB-12/13 | 19.72 | Split Peak | davidsonm | 10/10/19 09:39 |
| PCB-13 | 19.72 | Split Peak | davidsonm | 10/10/19 09:39 |
| PCB-15 | 20.04 | Split Peak | davidsonm | 10/10/19 09:39 |
| PCB-45 | 23.17 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-45/51 | 23.17 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-51 | 23.17 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-43 | 25.16 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-43/73 | 25.16 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-73 | 25.16 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-40 | 26.93 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-40/41/71 | 26.93 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-41 | 26.93 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-71 | 26.93 | Incomplete Integration | davidsonm | 10/10/19 09:48 |
| PCB-58 | 28.92 | Split Peak | davidsonm | 10/10/19 09:49 |
| PCB-63 | 29.37 | Incomplete Integration | davidsonm | 10/10/19 09:49 |
| PCB-61 | 29.69 | Split Peak | davidsonm | 10/10/19 09:50 |
| PCB-61/70/74/76 | 29.69 | Split Peak | davidsonm | 10/10/19 09:50 |
| PCB-70 | 29.69 | Split Peak | davidsonm | 10/10/19 09:50 |
| PCB-74 | 29.69 | Split Peak | davidsonm | 10/10/19 09:50 |
| PCB-76 | 29.69 | Split Peak | davidsonm | 10/10/19 09:50 |
| PCB-66 | 30.02 | Split Peak | davidsonm | 10/10/19 09:50 |
| PCB-55 | 30.19 | Incomplete Integration | davidsonm | 10/10/19 09:49 |
| PCB-83 | 32.35 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-83/99 | 32.35 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-99 | 32.35 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-109 | 32.95 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-119 | 32.95 | Incomplete Integration | davidsonm | 10/10/19 09:52 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34314

Lab Sample ID: 580-88908-33 RE Client Sample ID: J5-SC1b-90to100-82719 RE

Date Analyzed: 10/10/19 08:13 Lab File ID: 580-88908-a-33-f.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-125 | 32.95 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-86 | 32.95 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-86/87/97/109/119/125 | 32.95 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-87 | 32.95 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-97 | 32.95 | Incomplete Integration | davidsonm | 10/10/19 09:52 |
| PCB-81 | 33.82 | Split Peak | davidsonm | 10/10/19 09:50 |
| PCB-77 | 34.40 | Split Peak | davidsonm | 10/10/19 09:51 |
| PCB-134 | 35.80 | Baseline | davidsonm | 10/10/19 09:53 |
| PCB-134/143 | 35.80 | Baseline | davidsonm | 10/10/19 09:53 |
| PCB-143 | 35.80 | Baseline | davidsonm | 10/10/19 09:53 |
| PCB-114 | 37.28 | Split Peak | davidsonm | 10/10/19 09:52 |
| PCB-126 | 41.01 | Baseline | davidsonm | 10/10/19 09:53 |
| PCB-180 | 45.44 | Baseline | davidsonm | 10/10/19 09:54 |
| PCB-180/193 | 45.44 | Baseline | davidsonm | 10/10/19 09:54 |
| PCB-193 | 45.44 | Baseline | davidsonm | 10/10/19 09:54 |
| PCB-208 | 49.33 | Baseline | davidsonm | 10/10/19 09:54 |
| PCB-207 | 50.26 | Baseline | davidsonm | 10/10/19 09:54 |
| PCB-206 | 54.13 | Invalid Compound ID | mcwhirterl | 10/10/19 21:00 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: 580-88908-34 RE  Client Sample ID: J5-SC1b-100to110-82719 RE

Date Analyzed: 10/10/19 09:14  Lab File ID: 580-88908-a-34-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-15 | | Invalid Compound ID | davidsonm | 10/10/19 10:42 |
| PCB-19 | | Invalid Compound ID | davidsonm | 10/10/19 10:42 |
| PCB-27 | | Invalid Compound ID | davidsonm | 10/10/19 10:42 |
| PCB-77 | | Invalid Compound ID | davidsonm | 10/10/19 10:44 |
| PCB-9 | | Invalid Compound ID | davidsonm | 10/10/19 10:41 |
| PCB-1 | 11.73 | Split Peak | davidsonm | 10/10/19 10:40 |
| PCB-11 | 19.44 | Baseline | davidsonm | 10/10/19 10:42 |
| PCB-32 | 20.52 | Split Peak | davidsonm | 10/10/19 10:43 |
| PCB-56 | 30.71 | Incomplete Integration | davidsonm | 10/10/19 10:44 |
| PCB-134 | 35.82 | Split Peak | davidsonm | 10/10/19 10:45 |
| PCB-134/143 | 35.82 | Split Peak | davidsonm | 10/10/19 10:45 |
| PCB-143 | 35.82 | Split Peak | davidsonm | 10/10/19 10:45 |
| PCB-107 | 36.32 | Split Peak | davidsonm | 10/10/19 10:44 |
| PCB-118 | 36.76 | Split Peak | davidsonm | 10/10/19 10:45 |
| PCB-105 | 37.92 | Split Peak | davidsonm | 10/10/19 10:45 |
| PCB-141 | 38.84 | Incomplete Integration | davidsonm | 10/10/19 10:46 |
| PCB-129 | 39.87 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-129/138/160/163 | 39.87 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-138 | 39.87 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-160 | 39.87 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-163 | 39.87 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-175 | 41.02 | Baseline | davidsonm | 10/10/19 10:48 |
| PCB-128 | 41.14 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-128/166 | 41.14 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-166 | 41.14 | Split Peak | davidsonm | 10/10/19 10:46 |
| PCB-187 | 41.25 | Split Peak | davidsonm | 10/10/19 10:49 |
| PCB-183 | 41.85 | Baseline | davidsonm | 10/10/19 10:49 |
| PCB-183/185 | 41.85 | Baseline | davidsonm | 10/10/19 10:49 |
| PCB-185 | 41.85 | Baseline | davidsonm | 10/10/19 10:49 |
| PCB-177 | 42.53 | Baseline | davidsonm | 10/10/19 10:49 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34314

Lab Sample ID: 580-88908-34 RE  Client Sample ID: J5-SC1b-100to110-82719 RE

Date Analyzed: 10/10/19 09:14  Lab File ID: 580-88908-a-34-f.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-202 | 42.67 | Split Peak | davidsonm | 10/10/19 10:50 |
| PCB-156 | 44.02 | Baseline | davidsonm | 10/10/19 10:48 |
| PCB-156/157 | 44.02 | Baseline | davidsonm | 10/10/19 10:48 |
| PCB-157 | 44.02 | Baseline | davidsonm | 10/10/19 10:48 |
| PCB-172 | 44.79 | Split Peak | davidsonm | 10/10/19 10:49 |
| PCB-190 | 47.21 | Baseline | davidsonm | 10/10/19 10:50 |
| PCB-198 | 47.42 | Baseline | davidsonm | 10/10/19 10:51 |
| PCB-198/199 | 47.42 | Baseline | davidsonm | 10/10/19 10:51 |
| PCB-199 | 47.42 | Baseline | davidsonm | 10/10/19 10:51 |
| PCB-203 | 48.26 | Split Peak | davidsonm | 10/10/19 10:51 |
| PCB-206 | 54.06 | Incomplete Integration | davidsonm | 10/10/19 10:52 |
| PCB-209 | 55.79 | Incomplete Integration | davidsonm | 10/10/19 10:52 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34365

Lab Sample ID: WDMCCV 140-34365/1  Client Sample ID:

Date Analyzed: 10/11/19 12:49  Lab File ID: d4191011s2.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-32 | 20.54 | Peak assignment corrected | nordquistj | 10/11/19 13:59 |
| PCB-45 | 23.28 | Split Peak | nordquistj | 10/11/19 14:00 |
| PCB-45/51 | 23.28 | Split Peak | nordquistj | 10/11/19 14:00 |
| PCB-51 | 23.28 | Split Peak | nordquistj | 10/11/19 14:00 |
| PCB-21 | 23.33 | Split Peak | nordquistj | 10/11/19 14:00 |
| PCB-21/33 | 23.33 | Split Peak | nordquistj | 10/11/19 14:00 |
| PCB-33 | 23.33 | Split Peak | nordquistj | 10/11/19 14:00 |
| PCB-43 | 25.07 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-43/73 | 25.07 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-73 | 25.07 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-40 | 26.94 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-40/41/71 | 26.94 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-41 | 26.94 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-71 | 26.94 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-64 | 27.16 | Split Peak | nordquistj | 10/11/19 14:01 |
| PCB-94 | 28.41 | Split Peak | nordquistj | 10/11/19 14:02 |
| PCB-102 | 29.21 | Split Peak | nordquistj | 10/11/19 14:02 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34365

Lab Sample ID: WDMCCV 140-34365/1  Client Sample ID:

Date Analyzed: 10/11/19 12:49  Lab File ID: d4191011s2.d  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-98 | 29.21 | Split Peak | nordquist j | 10/11/19 14:02 |
| PCB-98/102 | 29.21 | Split Peak | nordquist j | 10/11/19 14:02 |
| PCB-61 | 29.72 | Split Peak | nordquist j | 10/11/19 14:02 |
| PCB-61/70/74/76 | 29.72 | Split Peak | nordquist j | 10/11/19 14:02 |
| PCB-70 | 29.72 | Split Peak | nordquist j | 10/11/19 14:02 |
| PCB-74 | 29.72 | Split Peak | nordquist j | 10/11/19 14:02 |
| PCB-76 | 29.72 | Split Peak | nordquist j | 10/11/19 14:02 |
| PCB-89 | 30.41 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-109 | 32.85 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-119 | 32.85 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-125 | 32.85 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-86 | 32.85 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-86/87/97/109/119/125 | 32.85 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-87 | 32.85 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-97 | 32.85 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-82 | 34.07 | Split Peak | nordquist j | 10/11/19 14:03 |
| PCB-135 | 34.68 | Split Peak | nordquist j | 10/11/19 14:04 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34365

Lab Sample ID: WDMCCV 140-34365/1 Client Sample ID:

Date Analyzed: 10/11/19 12:49 Lab File ID: d4191011s2.d GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-135/151 | 34.68 | Split Peak | nordquist j | 10/11/19 14:04 |
| PCB-151 | 34.68 | Split Peak | nordquist j | 10/11/19 14:04 |
| PCB-134 | 35.91 | Split Peak | nordquist j | 10/11/19 14:04 |
| PCB-134/143 | 35.91 | Split Peak | nordquist j | 10/11/19 14:04 |
| PCB-143 | 35.91 | Split Peak | nordquist j | 10/11/19 14:04 |
| PCB-142 | 36.56 | Split Peak | nordquist j | 10/11/19 14:05 |
| PCB-129 | 39.89 | Split Peak | nordquist j | 10/11/19 14:05 |
| PCB-129/138/160/163 | 39.89 | Split Peak | nordquist j | 10/11/19 14:05 |
| PCB-138 | 39.89 | Split Peak | nordquist j | 10/11/19 14:05 |
| PCB-160 | 39.89 | Split Peak | nordquist j | 10/11/19 14:05 |
| PCB-163 | 39.89 | Split Peak | nordquist j | 10/11/19 14:05 |
| PCB-183 | 41.85 | Split Peak | nordquist j | 10/11/19 14:06 |
| PCB-183/185 | 41.85 | Split Peak | nordquist j | 10/11/19 14:06 |
| PCB-185 | 41.85 | Split Peak | nordquist j | 10/11/19 14:06 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Analysis Batch Number: 34365

Lab Sample ID: 580-88908-35 RE Client Sample ID: J5-SC1b-00to10-82719 RE

Date Analyzed: 10/11/19 16:00 Lab File ID: 580-88908-a-35-fa_1910111 GC Column: SPB-Octyl ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-12 | 19.72 | Invalid Compound ID | mcwhirter l | 10/13/19 23:57 |
| PCB-12/13 | 19.72 | Invalid Compound ID | mcwhirter l | 10/13/19 23:57 |
| PCB-13 | 19.72 | Invalid Compound ID | mcwhirter l | 10/13/19 23:57 |
| PCB-34 | 21.79 | Missed Peak | mcwhirter l | 10/13/19 23:58 |
| PCB-39 | 25.63 | Missed Peak | mcwhirter l | 10/13/19 23:58 |
| PCB-40 | 26.94 | Invalid Compound ID | mcwhirter l | 10/14/19 00:07 |
| PCB-40/41/71 | 26.94 | Invalid Compound ID | mcwhirter l | 10/14/19 00:07 |
| PCB-41 | 26.94 | Invalid Compound ID | mcwhirter l | 10/14/19 00:07 |
| PCB-71 | 26.94 | Invalid Compound ID | mcwhirter l | 10/14/19 00:07 |
| PCB-67 | 29.07 | Incomplete Integration | mcwhirter l | 10/14/19 00:07 |
| PCB-66 | 30.04 | Invalid Compound ID | mcwhirter l | 10/14/19 00:08 |
| PCB-55 | 30.19 | Incomplete Integration | mcwhirter l | 10/14/19 00:08 |
| PCB-83 | 32.37 | Invalid Compound ID | mcwhirter l | 10/14/19 00:09 |
| PCB-83/99 | 32.37 | Invalid Compound ID | mcwhirter l | 10/14/19 00:09 |
| PCB-99 | 32.37 | Invalid Compound ID | mcwhirter l | 10/14/19 00:09 |
| PCB-145 | 32.58 | Invalid Compound ID | mcwhirter l | 10/14/19 00:12 |
| PCB-109 | 32.97 | Invalid Compound ID | mcwhirter l | 10/14/19 00:10 |

HI-RES PCBS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Knoxvi  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Analysis Batch Number: 34365

Lab Sample ID: 580-88908-35 RE  Client Sample ID: J5-SC1b-00to10-82719 RE

Date Analyzed: 10/11/19 16:00  Lab File ID: 580-88908-a-35-fa_1910111  GC Column: SPB-Octyl  ID: 0.25(mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---|---|---|---|---|
| | | REASON | ANALYST | DATE |
| PCB-119 | 32.97 | Invalid Compound ID | mcwhirter l | 10/14/19 00:10 |
| PCB-125 | 32.97 | Invalid Compound ID | mcwhirter l | 10/14/19 00:10 |
| PCB-86 | 32.97 | Invalid Compound ID | mcwhirter l | 10/14/19 00:10 |
| PCB-86/87/97/109/119/125 | 32.97 | Invalid Compound ID | mcwhirter l | 10/14/19 00:10 |
| PCB-87 | 32.97 | Invalid Compound ID | mcwhirter l | 10/14/19 00:10 |
| PCB-97 | 32.97 | Invalid Compound ID | mcwhirter l | 10/14/19 00:10 |
| PCB-81 | 33.85 | Split Peak | mcwhirter l | 10/14/19 00:08 |
| PCB-147 | 35.62 | Invalid Compound ID | mcwhirter l | 10/14/19 00:12 |
| PCB-147/149 | 35.62 | Invalid Compound ID | mcwhirter l | 10/14/19 00:12 |
| PCB-149 | 35.62 | Invalid Compound ID | mcwhirter l | 10/14/19 00:12 |
| PCB-134 | 35.82 | Split Peak | mcwhirter l | 10/14/19 00:12 |
| PCB-134/143 | 35.82 | Split Peak | mcwhirter l | 10/14/19 00:12 |
| PCB-143 | 35.82 | Split Peak | mcwhirter l | 10/14/19 00:12 |
| PCB-126 | 41.05 | Invalid Compound ID | mcwhirter l | 10/14/19 00:11 |
| PCB-180 | 45.47 | Incomplete Integration | mcwhirter l | 10/14/19 00:13 |
| PCB-180/193 | 45.47 | Incomplete Integration | mcwhirter l | 10/14/19 00:13 |
| PCB-193 | 45.47 | Incomplete Integration | mcwhirter l | 10/14/19 00:13 |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| **61CS1668WRK_00017** | 06/22/20 | 06/20/19 | Hexane, Lot 221330 | 200 mL | 61XXCSSTOCKP_00002 | 400 uL | PCB-111L | 10 ng/mL |
| | | | | | | | PCB-178L | 10 ng/mL |
| | | | | | | | PCB-28L | 10 ng/mL |
| .61XXCSSTOCKP_00002 | 06/22/20 | 09/15/16 | Nonane, Lot SHBD8765V | 4 mL | 61INPCB111LP_00002 | 0.5 mL | PCB-111L | 5000 ng/mL |
| | | | | | 61INPCB178LP_00002 | 0.5 mL | PCB-178L | 5000 ng/mL |
| | | | | | 61INPCB28LP_00002 | 0.5 mL | PCB-28L | 5000 ng/mL |
| ..61INPCB111LP_00002 | 06/22/20 | | Cambridge, Lot SCJF-004 | | (Purchased Reagent) | | PCB-111L | 40 ug/mL |
| ..61INPCB178LP_00002 | 06/22/20 | | Cambridge, Lot SCHJ-007 | | (Purchased Reagent) | | PCB-178L | 40 ug/mL |
| ..61INPCB28LP_00002 | 06/22/20 | | Cambridge, Lot SCGL-005 | | (Purchased Reagent) | | PCB-28L | 40 ug/mL |
| **61CV1668CS3_00006** | 05/05/20 | 07/29/19 | Nonane, Lot SHBK4119 | 3 mL | 61IDSTOCKPCBP_00006 | 0.3 mL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61MXALL209P_00004 | 0.0375 mL | PCB-1 | 50 ng/mL |
| | | | | | | | PCB-10 | 50 ng/mL |
| | | | | | | | PCB-100 | 100 ng/mL |
| | | | | | | | PCB-101 | 150 ng/mL |
| | | | | | | | PCB-102 | 100 ng/mL |
| | | | | | | | PCB-103 | 50 ng/mL |
| | | | | | | | PCB-104 | 50 ng/mL |
| | | | | | | | PCB-105 | 50 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-106 | 50 ng/mL |
| | | | | | | | PCB-107 | 50 ng/mL |
| | | | | | | | PCB-108 | 100 ng/mL |
| | | | | | | | PCB-108/124 | 100 ng/mL |
| | | | | | | | PCB-109 | 300 ng/mL |
| | | | | | | | PCB-11 | 50 ng/mL |
| | | | | | | | PCB-110 | 100 ng/mL |
| | | | | | | | PCB-110/115 | 100 ng/mL |
| | | | | | | | PCB-111 | 50 ng/mL |
| | | | | | | | PCB-112 | 50 ng/mL |
| | | | | | | | PCB-113 | 150 ng/mL |
| | | | | | | | PCB-114 | 50 ng/mL |
| | | | | | | | PCB-115 | 100 ng/mL |
| | | | | | | | PCB-116 | 150 ng/mL |
| | | | | | | | PCB-117 | 150 ng/mL |
| | | | | | | | PCB-118 | 50 ng/mL |
| | | | | | | | PCB-119 | 300 ng/mL |
| | | | | | | | PCB-12 | 100 ng/mL |
| | | | | | | | PCB-12/13 | 100 ng/mL |
| | | | | | | | PCB-120 | 50 ng/mL |
| | | | | | | | PCB-121 | 50 ng/mL |
| | | | | | | | PCB-122 | 50 ng/mL |
| | | | | | | | PCB-123 | 50 ng/mL |
| | | | | | | | PCB-124 | 100 ng/mL |
| | | | | | | | PCB-125 | 300 ng/mL |
| | | | | | | | PCB-126 | 50 ng/mL |
| | | | | | | | PCB-127 | 50 ng/mL |
| | | | | | | | PCB-128 | 100 ng/mL |
| | | | | | | | PCB-128/166 | 100 ng/mL |
| | | | | | | | PCB-129 | 200 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 200 ng/mL |
| | | | | | | | PCB-13 | 100 ng/mL |
| | | | | | | | PCB-130 | 50 ng/mL |
| | | | | | | | PCB-131 | 50 ng/mL |
| | | | | | | | PCB-132 | 50 ng/mL |
| | | | | | | | PCB-133 | 50 ng/mL |
| | | | | | | | PCB-134 | 100 ng/mL |
| | | | | | | | PCB-134/143 | 100 ng/mL |
| | | | | | | | PCB-135 | 100 ng/mL |
| | | | | | | | PCB-135/151 | 100 ng/mL |
| | | | | | | | PCB-136 | 50 ng/mL |
| | | | | | | | PCB-137 | 50 ng/mL |
| | | | | | | | PCB-138 | 200 ng/mL |
| | | | | | | | PCB-139 | 100 ng/mL |
| | | | | | | | PCB-139/140 | 100 ng/mL |
| | | | | | | | PCB-14 | 50 ng/mL |
| | | | | | | | PCB-140 | 100 ng/mL |
| | | | | | | | PCB-141 | 50 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-142 | 50 ng/mL |
| | | | | | | | PCB-143 | 100 ng/mL |
| | | | | | | | PCB-144 | 50 ng/mL |
| | | | | | | | PCB-145 | 50 ng/mL |
| | | | | | | | PCB-146 | 50 ng/mL |
| | | | | | | | PCB-147 | 100 ng/mL |
| | | | | | | | PCB-147/149 | 100 ng/mL |
| | | | | | | | PCB-148 | 50 ng/mL |
| | | | | | | | PCB-149 | 100 ng/mL |
| | | | | | | | PCB-15 | 50 ng/mL |
| | | | | | | | PCB-150 | 50 ng/mL |
| | | | | | | | PCB-151 | 100 ng/mL |
| | | | | | | | PCB-152 | 50 ng/mL |
| | | | | | | | PCB-153 | 100 ng/mL |
| | | | | | | | PCB-153/168 | 100 ng/mL |
| | | | | | | | PCB-154 | 50 ng/mL |
| | | | | | | | PCB-155 | 50 ng/mL |
| | | | | | | | PCB-156 | 100 ng/mL |
| | | | | | | | PCB-156/157 | 100 ng/mL |
| | | | | | | | PCB-157 | 100 ng/mL |
| | | | | | | | PCB-158 | 50 ng/mL |
| | | | | | | | PCB-159 | 50 ng/mL |
| | | | | | | | PCB-16 | 50 ng/mL |
| | | | | | | | PCB-160 | 200 ng/mL |
| | | | | | | | PCB-161 | 50 ng/mL |
| | | | | | | | PCB-162 | 50 ng/mL |
| | | | | | | | PCB-163 | 200 ng/mL |
| | | | | | | | PCB-164 | 50 ng/mL |
| | | | | | | | PCB-165 | 50 ng/mL |
| | | | | | | | PCB-166 | 100 ng/mL |
| | | | | | | | PCB-167 | 50 ng/mL |
| | | | | | | | PCB-168 | 100 ng/mL |
| | | | | | | | PCB-169 | 50 ng/mL |
| | | | | | | | PCB-17 | 50 ng/mL |
| | | | | | | | PCB-170 | 50 ng/mL |
| | | | | | | | PCB-171 | 100 ng/mL |
| | | | | | | | PCB-171/173 | 100 ng/mL |
| | | | | | | | PCB-172 | 50 ng/mL |
| | | | | | | | PCB-173 | 100 ng/mL |
| | | | | | | | PCB-174 | 50 ng/mL |
| | | | | | | | PCB-175 | 50 ng/mL |
| | | | | | | | PCB-176 | 50 ng/mL |
| | | | | | | | PCB-177 | 50 ng/mL |
| | | | | | | | PCB-178 | 50 ng/mL |
| | | | | | | | PCB-179 | 50 ng/mL |
| | | | | | | | PCB-18 | 100 ng/mL |
| | | | | | | | PCB-18/30 | 100 ng/mL |
| | | | | | | | PCB-180 | 100 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-180/193 | 100 ng/mL |
| | | | | | | | PCB-181 | 50 ng/mL |
| | | | | | | | PCB-182 | 50 ng/mL |
| | | | | | | | PCB-183 | 100 ng/mL |
| | | | | | | | PCB-183/185 | 100 ng/mL |
| | | | | | | | PCB-184 | 50 ng/mL |
| | | | | | | | PCB-185 | 100 ng/mL |
| | | | | | | | PCB-186 | 50 ng/mL |
| | | | | | | | PCB-187 | 50 ng/mL |
| | | | | | | | PCB-188 | 50 ng/mL |
| | | | | | | | PCB-189 | 50 ng/mL |
| | | | | | | | PCB-19 | 50 ng/mL |
| | | | | | | | PCB-190 | 50 ng/mL |
| | | | | | | | PCB-191 | 50 ng/mL |
| | | | | | | | PCB-192 | 50 ng/mL |
| | | | | | | | PCB-193 | 100 ng/mL |
| | | | | | | | PCB-194 | 50 ng/mL |
| | | | | | | | PCB-195 | 50 ng/mL |
| | | | | | | | PCB-196 | 50 ng/mL |
| | | | | | | | PCB-197 | 50 ng/mL |
| | | | | | | | PCB-198 | 100 ng/mL |
| | | | | | | | PCB-198/199 | 100 ng/mL |
| | | | | | | | PCB-199 | 100 ng/mL |
| | | | | | | | PCB-2 | 50 ng/mL |
| | | | | | | | PCB-20 | 100 ng/mL |
| | | | | | | | PCB-20/28 | 100 ng/mL |
| | | | | | | | PCB-200 | 50 ng/mL |
| | | | | | | | PCB-201 | 50 ng/mL |
| | | | | | | | PCB-202 | 50 ng/mL |
| | | | | | | | PCB-203 | 50 ng/mL |
| | | | | | | | PCB-204 | 50 ng/mL |
| | | | | | | | PCB-205 | 50 ng/mL |
| | | | | | | | PCB-206 | 50 ng/mL |
| | | | | | | | PCB-207 | 50 ng/mL |
| | | | | | | | PCB-208 | 50 ng/mL |
| | | | | | | | PCB-209 | 50 ng/mL |
| | | | | | | | PCB-21 | 100 ng/mL |
| | | | | | | | PCB-21/33 | 100 ng/mL |
| | | | | | | | PCB-22 | 50 ng/mL |
| | | | | | | | PCB-23 | 50 ng/mL |
| | | | | | | | PCB-24 | 50 ng/mL |
| | | | | | | | PCB-25 | 50 ng/mL |
| | | | | | | | PCB-26 | 100 ng/mL |
| | | | | | | | PCB-26/29 | 100 ng/mL |
| | | | | | | | PCB-27 | 50 ng/mL |
| | | | | | | | PCB-28 | 100 ng/mL |
| | | | | | | | PCB-29 | 100 ng/mL |
| | | | | | | | PCB-3 | 50 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-30 | 100 ng/mL |
| | | | | | | | PCB-31 | 50 ng/mL |
| | | | | | | | PCB-32 | 50 ng/mL |
| | | | | | | | PCB-33 | 100 ng/mL |
| | | | | | | | PCB-34 | 50 ng/mL |
| | | | | | | | PCB-35 | 50 ng/mL |
| | | | | | | | PCB-36 | 50 ng/mL |
| | | | | | | | PCB-37 | 50 ng/mL |
| | | | | | | | PCB-38 | 50 ng/mL |
| | | | | | | | PCB-39 | 50 ng/mL |
| | | | | | | | PCB-4 | 50 ng/mL |
| | | | | | | | PCB-40 | 150 ng/mL |
| | | | | | | | PCB-40/41/71 | 150 ng/mL |
| | | | | | | | PCB-41 | 150 ng/mL |
| | | | | | | | PCB-42 | 50 ng/mL |
| | | | | | | | PCB-43 | 100 ng/mL |
| | | | | | | | PCB-43/73 | 100 ng/mL |
| | | | | | | | PCB-44 | 150 ng/mL |
| | | | | | | | PCB-44/47/65 | 150 ng/mL |
| | | | | | | | PCB-45 | 100 ng/mL |
| | | | | | | | PCB-45/51 | 100 ng/mL |
| | | | | | | | PCB-46 | 50 ng/mL |
| | | | | | | | PCB-47 | 150 ng/mL |
| | | | | | | | PCB-48 | 50 ng/mL |
| | | | | | | | PCB-49 | 100 ng/mL |
| | | | | | | | PCB-49/69 | 100 ng/mL |
| | | | | | | | PCB-5 | 50 ng/mL |
| | | | | | | | PCB-50 | 100 ng/mL |
| | | | | | | | PCB-50/53 | 100 ng/mL |
| | | | | | | | PCB-51 | 100 ng/mL |
| | | | | | | | PCB-52 | 50 ng/mL |
| | | | | | | | PCB-53 | 100 ng/mL |
| | | | | | | | PCB-54 | 50 ng/mL |
| | | | | | | | PCB-55 | 50 ng/mL |
| | | | | | | | PCB-56 | 50 ng/mL |
| | | | | | | | PCB-57 | 50 ng/mL |
| | | | | | | | PCB-58 | 50 ng/mL |
| | | | | | | | PCB-59 | 150 ng/mL |
| | | | | | | | PCB-59/62/75 | 150 ng/mL |
| | | | | | | | PCB-6 | 50 ng/mL |
| | | | | | | | PCB-60 | 50 ng/mL |
| | | | | | | | PCB-61 | 200 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 200 ng/mL |
| | | | | | | | PCB-62 | 150 ng/mL |
| | | | | | | | PCB-63 | 50 ng/mL |
| | | | | | | | PCB-64 | 50 ng/mL |
| | | | | | | | PCB-65 | 150 ng/mL |
| | | | | | | | PCB-66 | 50 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-67 | 50 ng/mL |
| | | | | | | | PCB-68 | 50 ng/mL |
| | | | | | | | PCB-69 | 100 ng/mL |
| | | | | | | | PCB-7 | 50 ng/mL |
| | | | | | | | PCB-70 | 200 ng/mL |
| | | | | | | | PCB-71 | 150 ng/mL |
| | | | | | | | PCB-72 | 50 ng/mL |
| | | | | | | | PCB-73 | 100 ng/mL |
| | | | | | | | PCB-74 | 200 ng/mL |
| | | | | | | | PCB-75 | 150 ng/mL |
| | | | | | | | PCB-76 | 200 ng/mL |
| | | | | | | | PCB-77 | 50 ng/mL |
| | | | | | | | PCB-78 | 50 ng/mL |
| | | | | | | | PCB-79 | 50 ng/mL |
| | | | | | | | PCB-8 | 50 ng/mL |
| | | | | | | | PCB-80 | 50 ng/mL |
| | | | | | | | PCB-81 | 50 ng/mL |
| | | | | | | | PCB-82 | 50 ng/mL |
| | | | | | | | PCB-83 | 100 ng/mL |
| | | | | | | | PCB-83/99 | 100 ng/mL |
| | | | | | | | PCB-84 | 50 ng/mL |
| | | | | | | | PCB-85 | 150 ng/mL |
| | | | | | | | PCB-85/116/117 | 150 ng/mL |
| | | | | | | | PCB-86 | 300 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 300 ng/mL |
| | | | | | | | PCB-87 | 300 ng/mL |
| | | | | | | | PCB-88 | 100 ng/mL |
| | | | | | | | PCB-88/91 | 100 ng/mL |
| | | | | | | | PCB-89 | 50 ng/mL |
| | | | | | | | PCB-9 | 50 ng/mL |
| | | | | | | | PCB-90 | 150 ng/mL |
| | | | | | | | PCB-90/101/113 | 150 ng/mL |
| | | | | | | | PCB-91 | 100 ng/mL |
| | | | | | | | PCB-92 | 50 ng/mL |
| | | | | | | | PCB-93 | 100 ng/mL |
| | | | | | | | PCB-93/100 | 100 ng/mL |
| | | | | | | | PCB-94 | 50 ng/mL |
| | | | | | | | PCB-95 | 50 ng/mL |
| | | | | | | | PCB-96 | 50 ng/mL |
| | | | | | | | PCB-97 | 300 ng/mL |
| | | | | | | | PCB-98 | 100 ng/mL |
| | | | | | | | PCB-98/102 | 100 ng/mL |
| | | | | | | | PCB-99 | 100 ng/mL |
| | | | | | 61XXCS11668P_00002 | 0.03 mL | PCB-111L | 50 ng/mL |
| | | | | | | | PCB-178L | 50 ng/mL |
| | | | | | | | PCB-28L | 50 ng/mL |
| | | | | | 61XXFS1668P_00003 | 0.03 mL | PCB-95L | 50 ng/mL |
| | | | | | | | PCB-153L | 50 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-79L | 50 ng/mL |
| | | | | | | | PCB-8L | 50 ng/mL |
| | | | | | 61XXRECSTOCK_00006 | 0.3 mL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |
| .61IDSTOCKPCBP_00006 | 10/08/24 | 11/08/18 | Nonane, Lot SHBK4119 | 25 mL | 61INISPCB170P_00002 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00002 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00002 | 10/28/28 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00002 | 04/02/28 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61MXALL209P_00004 | 09/17/19 | AccuStandard, Lot 209091190 | | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |
| | | | | | | | PCB-124 | 8 ug/mL |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |
| | | | | | | | PCB-160 | 16 ug/mL |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |
| | | | | | | | PCB-2 | 4 ug/mL |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |
| | | | | | | | PCB-48 | 4 ug/mL |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |
| | | | | | | | PCB-86 | 24 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |
| .61XXCS11668P_00002 | 07/17/27 | Method 1668A/B/C Clean-Up Standard, Lot PR-29097 | | | (Purchased Reagent) | | PCB-111L | 5 ug/mL |
| | | | | | | | PCB-178L | 5 ug/mL |
| | | | | | | | PCB-28L | 5 ug/mL |
| .61XXFS1668P_00003 | 05/05/20 | 11/14/18 | Nonane, Lot SHBK4119 | 3 mL | 61INPCB95LP_00003 | 0.3 mL | PCB-95L | 5000 ng/mL |
| | | | | | 61MX1668FS_00002 | 3 mL | PCB-153L | 5000 ng/mL |
| | | | | | | | PCB-79L | 5000 ng/mL |
| | | | | | | | PCB-8L | 5000 ng/mL |
| ..61INPCB95LP_00003 | 01/01/25 | Wellington, Lot MB0950814 | | | (Purchased Reagent) | | PCB-95L | 50 ug/mL |
| ..61MX1668FS_00002 | 07/17/27 | Cambridge, Lot PR-29096 | | | (Purchased Reagent) | | PCB-153L | 5000 ng/mL |
| | | | | | | | PCB-79L | 5000 ng/mL |
| | | | | | | | PCB-8L | 5000 ng/mL |
| .61XXRECSTOCK_00006 | 09/21/26 | 10/30/18 | Nonane, Lot SHBK4119 | 10 mL | 61INPCB101LP_00003 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00003 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00003 | 250 uL | PCB-138L | 1000 ng/mL |
| | | | | | 61INPCB180LP_00003 | 250 uL | PCB-180L | 1000 ng/mL |
| | | | | | 61INPCB194LP_00003 | 250 uL | PCB-194L | 1000 ng/mL |
| | | | | | 61INPCB31LP_00003 | 200 uL | PCB-31L | 1000 ng/mL |
| | | | | | 61INPCB32LP_00003 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00003 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00003 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00003 | 09/21/26 | Cambridge, Lot SDEL-009 | | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00003 | 09/21/26 | Cambridge, Lot SDAC-008 | | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00003 | 09/21/26 | Cambridge, Lot SDFC-020 | | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| ..61INPCB180LP_00003 | 09/21/26 | | Canbridge, Lot SDEL-010 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00003 | 09/21/26 | | Cambridge, Lot SDFJ-013 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00003 | 09/21/26 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00003 | 09/21/26 | | Cambridge, Lot SDBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00003 | 09/21/26 | | Cambridge, Lot SDGA-008 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00003 | 09/21/26 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61CV1668CS3_00007** | 05/05/20 | 09/24/19 | Nonane, Lot SHBK7143 | 3 mL | 61IDSTOCKPCBP_00006 | 0.3 mL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61MXALL209P_00007 | 0.0375 mL | PCB-1 | 50 ng/mL |
| | | | | | | | PCB-10 | 50 ng/mL |
| | | | | | | | PCB-100 | 100 ng/mL |
| | | | | | | | PCB-101 | 150 ng/mL |
| | | | | | | | PCB-102 | 100 ng/mL |
| | | | | | | | PCB-103 | 50 ng/mL |
| | | | | | | | PCB-104 | 50 ng/mL |
| | | | | | | | PCB-105 | 50 ng/mL |
| | | | | | | | PCB-106 | 50 ng/mL |
| | | | | | | | PCB-107 | 50 ng/mL |
| | | | | | | | PCB-108 | 100 ng/mL |
| | | | | | | | PCB-108/124 | 100 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-109 | 300 ng/mL |
| | | | | | | | PCB-11 | 50 ng/mL |
| | | | | | | | PCB-110 | 100 ng/mL |
| | | | | | | | PCB-110/115 | 100 ng/mL |
| | | | | | | | PCB-111 | 50 ng/mL |
| | | | | | | | PCB-112 | 50 ng/mL |
| | | | | | | | PCB-113 | 150 ng/mL |
| | | | | | | | PCB-114 | 50 ng/mL |
| | | | | | | | PCB-115 | 100 ng/mL |
| | | | | | | | PCB-116 | 150 ng/mL |
| | | | | | | | PCB-117 | 150 ng/mL |
| | | | | | | | PCB-118 | 50 ng/mL |
| | | | | | | | PCB-119 | 300 ng/mL |
| | | | | | | | PCB-12 | 100 ng/mL |
| | | | | | | | PCB-12/13 | 100 ng/mL |
| | | | | | | | PCB-120 | 50 ng/mL |
| | | | | | | | PCB-121 | 50 ng/mL |
| | | | | | | | PCB-122 | 50 ng/mL |
| | | | | | | | PCB-123 | 50 ng/mL |
| | | | | | | | PCB-124 | 100 ng/mL |
| | | | | | | | PCB-125 | 300 ng/mL |
| | | | | | | | PCB-126 | 50 ng/mL |
| | | | | | | | PCB-127 | 50 ng/mL |
| | | | | | | | PCB-128 | 100 ng/mL |
| | | | | | | | PCB-128/166 | 100 ng/mL |
| | | | | | | | PCB-129 | 200 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 200 ng/mL |
| | | | | | | | PCB-13 | 100 ng/mL |
| | | | | | | | PCB-130 | 50 ng/mL |
| | | | | | | | PCB-131 | 50 ng/mL |
| | | | | | | | PCB-132 | 50 ng/mL |
| | | | | | | | PCB-133 | 50 ng/mL |
| | | | | | | | PCB-134 | 100 ng/mL |
| | | | | | | | PCB-134/143 | 100 ng/mL |
| | | | | | | | PCB-135 | 100 ng/mL |
| | | | | | | | PCB-135/151 | 100 ng/mL |
| | | | | | | | PCB-136 | 50 ng/mL |
| | | | | | | | PCB-137 | 50 ng/mL |
| | | | | | | | PCB-138 | 200 ng/mL |
| | | | | | | | PCB-139 | 100 ng/mL |
| | | | | | | | PCB-139/140 | 100 ng/mL |
| | | | | | | | PCB-14 | 50 ng/mL |
| | | | | | | | PCB-140 | 100 ng/mL |
| | | | | | | | PCB-141 | 50 ng/mL |
| | | | | | | | PCB-142 | 50 ng/mL |
| | | | | | | | PCB-143 | 100 ng/mL |
| | | | | | | | PCB-144 | 50 ng/mL |
| | | | | | | | PCB-145 | 50 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-146 | 50 ng/mL |
| | | | | | | | PCB-147 | 100 ng/mL |
| | | | | | | | PCB-147/149 | 100 ng/mL |
| | | | | | | | PCB-148 | 50 ng/mL |
| | | | | | | | PCB-149 | 100 ng/mL |
| | | | | | | | PCB-15 | 50 ng/mL |
| | | | | | | | PCB-150 | 50 ng/mL |
| | | | | | | | PCB-151 | 100 ng/mL |
| | | | | | | | PCB-152 | 50 ng/mL |
| | | | | | | | PCB-153 | 100 ng/mL |
| | | | | | | | PCB-153/168 | 100 ng/mL |
| | | | | | | | PCB-154 | 50 ng/mL |
| | | | | | | | PCB-155 | 50 ng/mL |
| | | | | | | | PCB-156 | 100 ng/mL |
| | | | | | | | PCB-156/157 | 100 ng/mL |
| | | | | | | | PCB-157 | 100 ng/mL |
| | | | | | | | PCB-158 | 50 ng/mL |
| | | | | | | | PCB-159 | 50 ng/mL |
| | | | | | | | PCB-16 | 50 ng/mL |
| | | | | | | | PCB-160 | 200 ng/mL |
| | | | | | | | PCB-161 | 50 ng/mL |
| | | | | | | | PCB-162 | 50 ng/mL |
| | | | | | | | PCB-163 | 200 ng/mL |
| | | | | | | | PCB-164 | 50 ng/mL |
| | | | | | | | PCB-165 | 50 ng/mL |
| | | | | | | | PCB-166 | 100 ng/mL |
| | | | | | | | PCB-167 | 50 ng/mL |
| | | | | | | | PCB-168 | 100 ng/mL |
| | | | | | | | PCB-169 | 50 ng/mL |
| | | | | | | | PCB-17 | 50 ng/mL |
| | | | | | | | PCB-170 | 50 ng/mL |
| | | | | | | | PCB-171 | 100 ng/mL |
| | | | | | | | PCB-171/173 | 100 ng/mL |
| | | | | | | | PCB-172 | 50 ng/mL |
| | | | | | | | PCB-173 | 100 ng/mL |
| | | | | | | | PCB-174 | 50 ng/mL |
| | | | | | | | PCB-175 | 50 ng/mL |
| | | | | | | | PCB-176 | 50 ng/mL |
| | | | | | | | PCB-177 | 50 ng/mL |
| | | | | | | | PCB-178 | 50 ng/mL |
| | | | | | | | PCB-179 | 50 ng/mL |
| | | | | | | | PCB-18 | 100 ng/mL |
| | | | | | | | PCB-18/30 | 100 ng/mL |
| | | | | | | | PCB-180 | 100 ng/mL |
| | | | | | | | PCB-180/193 | 100 ng/mL |
| | | | | | | | PCB-181 | 50 ng/mL |
| | | | | | | | PCB-182 | 50 ng/mL |
| | | | | | | | PCB-183 | 100 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-183/185 | 100 ng/mL |
| | | | | | | | PCB-184 | 50 ng/mL |
| | | | | | | | PCB-185 | 100 ng/mL |
| | | | | | | | PCB-186 | 50 ng/mL |
| | | | | | | | PCB-187 | 50 ng/mL |
| | | | | | | | PCB-188 | 50 ng/mL |
| | | | | | | | PCB-189 | 50 ng/mL |
| | | | | | | | PCB-19 | 50 ng/mL |
| | | | | | | | PCB-190 | 50 ng/mL |
| | | | | | | | PCB-191 | 50 ng/mL |
| | | | | | | | PCB-192 | 50 ng/mL |
| | | | | | | | PCB-193 | 100 ng/mL |
| | | | | | | | PCB-194 | 50 ng/mL |
| | | | | | | | PCB-195 | 50 ng/mL |
| | | | | | | | PCB-196 | 50 ng/mL |
| | | | | | | | PCB-197 | 50 ng/mL |
| | | | | | | | PCB-198 | 100 ng/mL |
| | | | | | | | PCB-198/199 | 100 ng/mL |
| | | | | | | | PCB-199 | 100 ng/mL |
| | | | | | | | PCB-2 | 50 ng/mL |
| | | | | | | | PCB-20 | 100 ng/mL |
| | | | | | | | PCB-20/28 | 100 ng/mL |
| | | | | | | | PCB-200 | 50 ng/mL |
| | | | | | | | PCB-201 | 50 ng/mL |
| | | | | | | | PCB-202 | 50 ng/mL |
| | | | | | | | PCB-203 | 50 ng/mL |
| | | | | | | | PCB-204 | 50 ng/mL |
| | | | | | | | PCB-205 | 50 ng/mL |
| | | | | | | | PCB-206 | 50 ng/mL |
| | | | | | | | PCB-207 | 50 ng/mL |
| | | | | | | | PCB-208 | 50 ng/mL |
| | | | | | | | PCB-209 | 50 ng/mL |
| | | | | | | | PCB-21 | 100 ng/mL |
| | | | | | | | PCB-21/33 | 100 ng/mL |
| | | | | | | | PCB-22 | 50 ng/mL |
| | | | | | | | PCB-23 | 50 ng/mL |
| | | | | | | | PCB-24 | 50 ng/mL |
| | | | | | | | PCB-25 | 50 ng/mL |
| | | | | | | | PCB-26 | 100 ng/mL |
| | | | | | | | PCB-26/29 | 100 ng/mL |
| | | | | | | | PCB-27 | 50 ng/mL |
| | | | | | | | PCB-28 | 100 ng/mL |
| | | | | | | | PCB-29 | 100 ng/mL |
| | | | | | | | PCB-3 | 50 ng/mL |
| | | | | | | | PCB-30 | 100 ng/mL |
| | | | | | | | PCB-31 | 50 ng/mL |
| | | | | | | | PCB-32 | 50 ng/mL |
| | | | | | | | PCB-33 | 100 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-34 | 50 ng/mL |
| | | | | | | | PCB-35 | 50 ng/mL |
| | | | | | | | PCB-36 | 50 ng/mL |
| | | | | | | | PCB-37 | 50 ng/mL |
| | | | | | | | PCB-38 | 50 ng/mL |
| | | | | | | | PCB-39 | 50 ng/mL |
| | | | | | | | PCB-4 | 50 ng/mL |
| | | | | | | | PCB-40 | 150 ng/mL |
| | | | | | | | PCB-40/41/71 | 150 ng/mL |
| | | | | | | | PCB-41 | 150 ng/mL |
| | | | | | | | PCB-42 | 50 ng/mL |
| | | | | | | | PCB-43 | 100 ng/mL |
| | | | | | | | PCB-43/73 | 100 ng/mL |
| | | | | | | | PCB-44 | 150 ng/mL |
| | | | | | | | PCB-44/47/65 | 150 ng/mL |
| | | | | | | | PCB-45 | 100 ng/mL |
| | | | | | | | PCB-45/51 | 100 ng/mL |
| | | | | | | | PCB-46 | 50 ng/mL |
| | | | | | | | PCB-47 | 150 ng/mL |
| | | | | | | | PCB-48 | 50 ng/mL |
| | | | | | | | PCB-49 | 100 ng/mL |
| | | | | | | | PCB-49/69 | 100 ng/mL |
| | | | | | | | PCB-5 | 50 ng/mL |
| | | | | | | | PCB-50 | 100 ng/mL |
| | | | | | | | PCB-50/53 | 100 ng/mL |
| | | | | | | | PCB-51 | 100 ng/mL |
| | | | | | | | PCB-52 | 50 ng/mL |
| | | | | | | | PCB-53 | 100 ng/mL |
| | | | | | | | PCB-54 | 50 ng/mL |
| | | | | | | | PCB-55 | 50 ng/mL |
| | | | | | | | PCB-56 | 50 ng/mL |
| | | | | | | | PCB-57 | 50 ng/mL |
| | | | | | | | PCB-58 | 50 ng/mL |
| | | | | | | | PCB-59 | 150 ng/mL |
| | | | | | | | PCB-59/62/75 | 150 ng/mL |
| | | | | | | | PCB-6 | 50 ng/mL |
| | | | | | | | PCB-60 | 50 ng/mL |
| | | | | | | | PCB-61 | 200 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 200 ng/mL |
| | | | | | | | PCB-62 | 150 ng/mL |
| | | | | | | | PCB-63 | 50 ng/mL |
| | | | | | | | PCB-64 | 50 ng/mL |
| | | | | | | | PCB-65 | 150 ng/mL |
| | | | | | | | PCB-66 | 50 ng/mL |
| | | | | | | | PCB-67 | 50 ng/mL |
| | | | | | | | PCB-68 | 50 ng/mL |
| | | | | | | | PCB-69 | 100 ng/mL |
| | | | | | | | PCB-7 | 50 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-70 | 200 ng/mL |
| | | | | | | | PCB-71 | 150 ng/mL |
| | | | | | | | PCB-72 | 50 ng/mL |
| | | | | | | | PCB-73 | 100 ng/mL |
| | | | | | | | PCB-74 | 200 ng/mL |
| | | | | | | | PCB-75 | 150 ng/mL |
| | | | | | | | PCB-76 | 200 ng/mL |
| | | | | | | | PCB-77 | 50 ng/mL |
| | | | | | | | PCB-78 | 50 ng/mL |
| | | | | | | | PCB-79 | 50 ng/mL |
| | | | | | | | PCB-8 | 50 ng/mL |
| | | | | | | | PCB-80 | 50 ng/mL |
| | | | | | | | PCB-81 | 50 ng/mL |
| | | | | | | | PCB-82 | 50 ng/mL |
| | | | | | | | PCB-83 | 100 ng/mL |
| | | | | | | | PCB-83/99 | 100 ng/mL |
| | | | | | | | PCB-84 | 50 ng/mL |
| | | | | | | | PCB-85 | 150 ng/mL |
| | | | | | | | PCB-85/116/117 | 150 ng/mL |
| | | | | | | | PCB-86 | 300 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 300 ng/mL |
| | | | | | | | PCB-87 | 300 ng/mL |
| | | | | | | | PCB-88 | 100 ng/mL |
| | | | | | | | PCB-88/91 | 100 ng/mL |
| | | | | | | | PCB-89 | 50 ng/mL |
| | | | | | | | PCB-9 | 50 ng/mL |
| | | | | | | | PCB-90 | 150 ng/mL |
| | | | | | | | PCB-90/101/113 | 150 ng/mL |
| | | | | | | | PCB-91 | 100 ng/mL |
| | | | | | | | PCB-92 | 50 ng/mL |
| | | | | | | | PCB-93 | 100 ng/mL |
| | | | | | | | PCB-93/100 | 100 ng/mL |
| | | | | | | | PCB-94 | 50 ng/mL |
| | | | | | | | PCB-95 | 50 ng/mL |
| | | | | | | | PCB-96 | 50 ng/mL |
| | | | | | | | PCB-97 | 300 ng/mL |
| | | | | | | | PCB-98 | 100 ng/mL |
| | | | | | | | PCB-98/102 | 100 ng/mL |
| | | | | | | | PCB-99 | 100 ng/mL |
| | | | | | 61XXCS11668P_00002 | 0.03 mL | PCB-111L | 50 ng/mL |
| | | | | | | | PCB-178L | 50 ng/mL |
| | | | | | | | PCB-28L | 50 ng/mL |
| | | | | | 61XXFS1668P_00003 | 0.03 mL | PCB-95L | 50 ng/mL |
| | | | | | | | PCB-153L | 50 ng/mL |
| | | | | | | | PCB-79L | 50 ng/mL |
| | | | | | | | PCB-8L | 50 ng/mL |
| .61IDSTOCKPCBP_00006 | 10/08/24 | 11/08/18 | Nonane, Lot SHBK4119 | 25 mL | 61INISPCB170P_00002 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00002 | 25 mL | PCB-104L | 1000 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00002 | 10/28/28 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00002 | 04/02/28 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61MXALL209P_00007 | 07/17/29 | AccuStandard, Lot 209091190 | | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |
| | | | | | | | PCB-124 | 8 ug/mL |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |
| | | | | | | | PCB-160 | 16 ug/mL |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |
| | | | | | | | PCB-2 | 4 ug/mL |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |
| | | | | | | | PCB-48 | 4 ug/mL |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |
| | | | | | | | PCB-86 | 24 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |
| .61XXCS11668P_00002 | 07/17/27 | Method 1668A/B/C Clean-Up Standard, Lot PR-29097 | | | (Purchased Reagent) | | PCB-111L | 5 ug/mL |
| | | | | | | | PCB-178L | 5 ug/mL |
| | | | | | | | PCB-28L | 5 ug/mL |
| .61XXFS1668P_00003 | 05/05/20 | 11/14/18 | Nonane, Lot SHBK4119 | 3 mL | 61INPCB95LP_00003 | 0.3 mL | PCB-95L | 5000 ng/mL |
| | | | | | 61MX1668FS_00002 | 3 mL | PCB-153L | 5000 ng/mL |
| | | | | | | | PCB-79L | 5000 ng/mL |
| | | | | | | | PCB-8L | 5000 ng/mL |
| ..61INPCB95LP_00003 | 01/01/25 | Wellington, Lot MB0950814 | | | (Purchased Reagent) | | PCB-95L | 50 ug/mL |
| ..61MX1668FS_00002 | 07/17/27 | Cambridge, Lot PR-29096 | | | (Purchased Reagent) | | PCB-153L | 5000 ng/mL |
| | | | | | | | PCB-79L | 5000 ng/mL |
| | | | | | | | PCB-8L | 5000 ng/mL |
| **61ID1668WRK_00022** | 10/08/24 | 03/04/19 | ACETONE, Lot 132056 | 200 mL | 61IDSTOCKPCBP_00006 | 2 mL | PCB-170L | 10 ng/mL |
| | | | | | | | PCB-104L | 10 ng/mL |
| | | | | | | | PCB-105L | 10 ng/mL |
| | | | | | | | PCB-114L | 10 ng/mL |
| | | | | | | | PCB-118L | 10 ng/mL |
| | | | | | | | PCB-123L | 10 ng/mL |
| | | | | | | | PCB-126L | 10 ng/mL |
| | | | | | | | PCB-155L | 10 ng/mL |
| | | | | | | | PCB-156L | 20 ng/mL |
| | | | | | | | PCB-156L/157L | 20 ng/mL |
| | | | | | | | PCB-157L | 20 ng/mL |
| | | | | | | | PCB-15L | 10 ng/mL |
| | | | | | | | PCB-167L | 10 ng/mL |
| | | | | | | | PCB-169L | 10 ng/mL |
| | | | | | | | PCB-188L | 10 ng/mL |
| | | | | | | | PCB-189L | 10 ng/mL |
| | | | | | | | PCB-19L | 10 ng/mL |
| | | | | | | | PCB-1L | 10 ng/mL |
| | | | | | | | PCB-202L | 10 ng/mL |
| | | | | | | | PCB-205L | 10 ng/mL |
| | | | | | | | PCB-206L | 10 ng/mL |
| | | | | | | | PCB-208L | 10 ng/mL |
| | | | | | | | PCB-209L | 10 ng/mL |
| | | | | | | | PCB-37L | 10 ng/mL |
| | | | | | | | PCB-3L | 10 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-4L | 10 ng/mL |
| | | | | | | | PCB-54L | 10 ng/mL |
| | | | | | | | PCB-77L | 10 ng/mL |
| | | | | | | | PCB-81L | 10 ng/mL |
| .61IDSTOCKPCBP_00006 | 10/08/24 | 11/08/18 | Nonane, Lot SHBK4119 | 25 mL | 61INISPCB170P_00002 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00002 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00002 | 10/28/28 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00002 | 04/02/28 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| **61ID1668WRK_00023** | 10/08/24 | 09/16/19 | ACETONE, Lot 234648 | 200 mL | 61IDSTOCKPCBP_00006 | 2 mL | PCB-170L | 10 ng/mL |
| | | | | | | | PCB-104L | 10 ng/mL |
| | | | | | | | PCB-105L | 10 ng/mL |
| | | | | | | | PCB-114L | 10 ng/mL |
| | | | | | | | PCB-118L | 10 ng/mL |
| | | | | | | | PCB-123L | 10 ng/mL |
| | | | | | | | PCB-126L | 10 ng/mL |
| | | | | | | | PCB-155L | 10 ng/mL |
| | | | | | | | PCB-156L | 20 ng/mL |
| | | | | | | | PCB-156L/157L | 20 ng/mL |
| | | | | | | | PCB-157L | 20 ng/mL |
| | | | | | | | PCB-15L | 10 ng/mL |
| | | | | | | | PCB-167L | 10 ng/mL |
| | | | | | | | PCB-169L | 10 ng/mL |
| | | | | | | | PCB-188L | 10 ng/mL |
| | | | | | | | PCB-189L | 10 ng/mL |
| | | | | | | | PCB-19L | 10 ng/mL |
| | | | | | | | PCB-1L | 10 ng/mL |
| | | | | | | | PCB-202L | 10 ng/mL |
| | | | | | | | PCB-205L | 10 ng/mL |
| | | | | | | | PCB-206L | 10 ng/mL |
| | | | | | | | PCB-208L | 10 ng/mL |
| | | | | | | | PCB-209L | 10 ng/mL |
| | | | | | | | PCB-37L | 10 ng/mL |
| | | | | | | | PCB-3L | 10 ng/mL |
| | | | | | | | PCB-4L | 10 ng/mL |
| | | | | | | | PCB-54L | 10 ng/mL |
| | | | | | | | PCB-77L | 10 ng/mL |
| | | | | | | | PCB-81L | 10 ng/mL |
| .61IDSTOCKPCBP_00006 | 10/08/24 | 11/08/18 | Nonane, Lot SHBK4119 | 25 mL | 61INISPCB170P_00002 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00002 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00002 | 10/28/28 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00002 | 04/02/28 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| **61L0.51668P_00004** | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61IDSTOCKPCBP_00004 | 100 uL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61SP1668NAT_00002 | 12.5 uL | PCB-1 | 0.5 ng/mL |
| | | | | | | | PCB-10 | 0.5 ng/mL |
| | | | | | | | PCB-100 | 1 ng/mL |
| | | | | | | | PCB-101 | 1.5 ng/mL |
| | | | | | | | PCB-102 | 1 ng/mL |
| | | | | | | | PCB-103 | 0.5 ng/mL |
| | | | | | | | PCB-104 | 0.5 ng/mL |
| | | | | | | | PCB-105 | 0.5 ng/mL |
| | | | | | | | PCB-106 | 0.5 ng/mL |
| | | | | | | | PCB-107 | 0.5 ng/mL |
| | | | | | | | PCB-108 | 1 ng/mL |
| | | | | | | | PCB-108/124 | 1 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-109 | 3 ng/mL |
| | | | | | | | PCB-11 | 0.5 ng/mL |
| | | | | | | | PCB-110 | 1 ng/mL |
| | | | | | | | PCB-110/115 | 1 ng/mL |
| | | | | | | | PCB-111 | 0.5 ng/mL |
| | | | | | | | PCB-112 | 0.5 ng/mL |
| | | | | | | | PCB-113 | 1.5 ng/mL |
| | | | | | | | PCB-114 | 0.5 ng/mL |
| | | | | | | | PCB-115 | 1 ng/mL |
| | | | | | | | PCB-116 | 1.5 ng/mL |
| | | | | | | | PCB-117 | 1.5 ng/mL |
| | | | | | | | PCB-118 | 0.5 ng/mL |
| | | | | | | | PCB-119 | 3 ng/mL |
| | | | | | | | PCB-12 | 1 ng/mL |
| | | | | | | | PCB-12/13 | 1 ng/mL |
| | | | | | | | PCB-120 | 0.5 ng/mL |
| | | | | | | | PCB-121 | 0.5 ng/mL |
| | | | | | | | PCB-122 | 0.5 ng/mL |
| | | | | | | | PCB-123 | 0.5 ng/mL |
| | | | | | | | PCB-124 | 1 ng/mL |
| | | | | | | | PCB-125 | 3 ng/mL |
| | | | | | | | PCB-126 | 0.5 ng/mL |
| | | | | | | | PCB-127 | 0.5 ng/mL |
| | | | | | | | PCB-128 | 1 ng/mL |
| | | | | | | | PCB-128/166 | 1 ng/mL |
| | | | | | | | PCB-129 | 2 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 2 ng/mL |
| | | | | | | | PCB-13 | 1 ng/mL |
| | | | | | | | PCB-130 | 0.5 ng/mL |
| | | | | | | | PCB-131 | 0.5 ng/mL |
| | | | | | | | PCB-132 | 0.5 ng/mL |
| | | | | | | | PCB-133 | 0.5 ng/mL |
| | | | | | | | PCB-134 | 1 ng/mL |
| | | | | | | | PCB-134/143 | 1 ng/mL |
| | | | | | | | PCB-135 | 1 ng/mL |
| | | | | | | | PCB-135/151 | 1 ng/mL |
| | | | | | | | PCB-136 | 0.5 ng/mL |
| | | | | | | | PCB-137 | 0.5 ng/mL |
| | | | | | | | PCB-138 | 2 ng/mL |
| | | | | | | | PCB-139 | 1 ng/mL |
| | | | | | | | PCB-139/140 | 1 ng/mL |
| | | | | | | | PCB-14 | 0.5 ng/mL |
| | | | | | | | PCB-140 | 1 ng/mL |
| | | | | | | | PCB-141 | 0.5 ng/mL |
| | | | | | | | PCB-142 | 0.5 ng/mL |
| | | | | | | | PCB-143 | 1 ng/mL |
| | | | | | | | PCB-144 | 0.5 ng/mL |
| | | | | | | | PCB-145 | 0.5 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-146 | 0.5 ng/mL |
| | | | | | | | PCB-147 | 1 ng/mL |
| | | | | | | | PCB-147/149 | 1 ng/mL |
| | | | | | | | PCB-148 | 0.5 ng/mL |
| | | | | | | | PCB-149 | 1 ng/mL |
| | | | | | | | PCB-15 | 0.5 ng/mL |
| | | | | | | | PCB-150 | 0.5 ng/mL |
| | | | | | | | PCB-151 | 1 ng/mL |
| | | | | | | | PCB-152 | 0.5 ng/mL |
| | | | | | | | PCB-153 | 1 ng/mL |
| | | | | | | | PCB-153/168 | 1 ng/mL |
| | | | | | | | PCB-154 | 0.5 ng/mL |
| | | | | | | | PCB-155 | 0.5 ng/mL |
| | | | | | | | PCB-156 | 1 ng/mL |
| | | | | | | | PCB-156/157 | 1 ng/mL |
| | | | | | | | PCB-157 | 1 ng/mL |
| | | | | | | | PCB-158 | 0.5 ng/mL |
| | | | | | | | PCB-159 | 0.5 ng/mL |
| | | | | | | | PCB-16 | 0.5 ng/mL |
| | | | | | | | PCB-160 | 2 ng/mL |
| | | | | | | | PCB-161 | 0.5 ng/mL |
| | | | | | | | PCB-162 | 0.5 ng/mL |
| | | | | | | | PCB-163 | 2 ng/mL |
| | | | | | | | PCB-164 | 0.5 ng/mL |
| | | | | | | | PCB-165 | 0.5 ng/mL |
| | | | | | | | PCB-166 | 1 ng/mL |
| | | | | | | | PCB-167 | 0.5 ng/mL |
| | | | | | | | PCB-168 | 1 ng/mL |
| | | | | | | | PCB-169 | 0.5 ng/mL |
| | | | | | | | PCB-17 | 0.5 ng/mL |
| | | | | | | | PCB-170 | 0.5 ng/mL |
| | | | | | | | PCB-171 | 1 ng/mL |
| | | | | | | | PCB-171/173 | 1 ng/mL |
| | | | | | | | PCB-172 | 0.5 ng/mL |
| | | | | | | | PCB-173 | 1 ng/mL |
| | | | | | | | PCB-174 | 0.5 ng/mL |
| | | | | | | | PCB-175 | 0.5 ng/mL |
| | | | | | | | PCB-176 | 0.5 ng/mL |
| | | | | | | | PCB-177 | 0.5 ng/mL |
| | | | | | | | PCB-178 | 0.5 ng/mL |
| | | | | | | | PCB-179 | 0.5 ng/mL |
| | | | | | | | PCB-18 | 1 ng/mL |
| | | | | | | | PCB-18/30 | 1 ng/mL |
| | | | | | | | PCB-180 | 1 ng/mL |
| | | | | | | | PCB-180/193 | 1 ng/mL |
| | | | | | | | PCB-181 | 0.5 ng/mL |
| | | | | | | | PCB-182 | 0.5 ng/mL |
| | | | | | | | PCB-183 | 1 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-183/185 | 1 ng/mL |
| | | | | | | | PCB-184 | 0.5 ng/mL |
| | | | | | | | PCB-185 | 1 ng/mL |
| | | | | | | | PCB-186 | 0.5 ng/mL |
| | | | | | | | PCB-187 | 0.5 ng/mL |
| | | | | | | | PCB-188 | 0.5 ng/mL |
| | | | | | | | PCB-189 | 0.5 ng/mL |
| | | | | | | | PCB-19 | 0.5 ng/mL |
| | | | | | | | PCB-190 | 0.5 ng/mL |
| | | | | | | | PCB-191 | 0.5 ng/mL |
| | | | | | | | PCB-192 | 0.5 ng/mL |
| | | | | | | | PCB-193 | 1 ng/mL |
| | | | | | | | PCB-194 | 0.5 ng/mL |
| | | | | | | | PCB-195 | 0.5 ng/mL |
| | | | | | | | PCB-196 | 0.5 ng/mL |
| | | | | | | | PCB-197 | 0.5 ng/mL |
| | | | | | | | PCB-198 | 1 ng/mL |
| | | | | | | | PCB-198/199 | 1 ng/mL |
| | | | | | | | PCB-199 | 1 ng/mL |
| | | | | | | | PCB-2 | 0.5 ng/mL |
| | | | | | | | PCB-20 | 1 ng/mL |
| | | | | | | | PCB-20/28 | 1 ng/mL |
| | | | | | | | PCB-200 | 0.5 ng/mL |
| | | | | | | | PCB-201 | 0.5 ng/mL |
| | | | | | | | PCB-202 | 0.5 ng/mL |
| | | | | | | | PCB-203 | 0.5 ng/mL |
| | | | | | | | PCB-204 | 0.5 ng/mL |
| | | | | | | | PCB-205 | 0.5 ng/mL |
| | | | | | | | PCB-206 | 0.5 ng/mL |
| | | | | | | | PCB-207 | 0.5 ng/mL |
| | | | | | | | PCB-208 | 0.5 ng/mL |
| | | | | | | | PCB-209 | 0.5 ng/mL |
| | | | | | | | PCB-21 | 1 ng/mL |
| | | | | | | | PCB-21/33 | 1 ng/mL |
| | | | | | | | PCB-22 | 0.5 ng/mL |
| | | | | | | | PCB-23 | 0.5 ng/mL |
| | | | | | | | PCB-24 | 0.5 ng/mL |
| | | | | | | | PCB-25 | 0.5 ng/mL |
| | | | | | | | PCB-26 | 1 ng/mL |
| | | | | | | | PCB-26/29 | 1 ng/mL |
| | | | | | | | PCB-27 | 0.5 ng/mL |
| | | | | | | | PCB-28 | 1 ng/mL |
| | | | | | | | PCB-29 | 1 ng/mL |
| | | | | | | | PCB-3 | 0.5 ng/mL |
| | | | | | | | PCB-30 | 1 ng/mL |
| | | | | | | | PCB-31 | 0.5 ng/mL |
| | | | | | | | PCB-32 | 0.5 ng/mL |
| | | | | | | | PCB-33 | 1 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-34 | 0.5 ng/mL |
| | | | | | | | PCB-35 | 0.5 ng/mL |
| | | | | | | | PCB-36 | 0.5 ng/mL |
| | | | | | | | PCB-37 | 0.5 ng/mL |
| | | | | | | | PCB-38 | 0.5 ng/mL |
| | | | | | | | PCB-39 | 0.5 ng/mL |
| | | | | | | | PCB-4 | 0.5 ng/mL |
| | | | | | | | PCB-40 | 1.5 ng/mL |
| | | | | | | | PCB-40/41/71 | 1.5 ng/mL |
| | | | | | | | PCB-41 | 1.5 ng/mL |
| | | | | | | | PCB-42 | 0.5 ng/mL |
| | | | | | | | PCB-43 | 1 ng/mL |
| | | | | | | | PCB-43/73 | 1 ng/mL |
| | | | | | | | PCB-44 | 1.5 ng/mL |
| | | | | | | | PCB-44/47/65 | 1.5 ng/mL |
| | | | | | | | PCB-45 | 1 ng/mL |
| | | | | | | | PCB-45/51 | 1 ng/mL |
| | | | | | | | PCB-46 | 0.5 ng/mL |
| | | | | | | | PCB-47 | 1.5 ng/mL |
| | | | | | | | PCB-48 | 0.5 ng/mL |
| | | | | | | | PCB-49 | 1 ng/mL |
| | | | | | | | PCB-49/69 | 1 ng/mL |
| | | | | | | | PCB-5 | 0.5 ng/mL |
| | | | | | | | PCB-50 | 1 ng/mL |
| | | | | | | | PCB-50/53 | 1 ng/mL |
| | | | | | | | PCB-51 | 1 ng/mL |
| | | | | | | | PCB-52 | 0.5 ng/mL |
| | | | | | | | PCB-53 | 1 ng/mL |
| | | | | | | | PCB-54 | 0.5 ng/mL |
| | | | | | | | PCB-55 | 0.5 ng/mL |
| | | | | | | | PCB-56 | 0.5 ng/mL |
| | | | | | | | PCB-57 | 0.5 ng/mL |
| | | | | | | | PCB-58 | 0.5 ng/mL |
| | | | | | | | PCB-59 | 1.5 ng/mL |
| | | | | | | | PCB-59/62/75 | 1.5 ng/mL |
| | | | | | | | PCB-6 | 0.5 ng/mL |
| | | | | | | | PCB-60 | 0.5 ng/mL |
| | | | | | | | PCB-61 | 2 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 2 ng/mL |
| | | | | | | | PCB-62 | 1.5 ng/mL |
| | | | | | | | PCB-63 | 0.5 ng/mL |
| | | | | | | | PCB-64 | 0.5 ng/mL |
| | | | | | | | PCB-65 | 1.5 ng/mL |
| | | | | | | | PCB-66 | 0.5 ng/mL |
| | | | | | | | PCB-67 | 0.5 ng/mL |
| | | | | | | | PCB-68 | 0.5 ng/mL |
| | | | | | | | PCB-69 | 1 ng/mL |
| | | | | | | | PCB-7 | 0.5 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-70 | 2 ng/mL |
| | | | | | | | PCB-71 | 1.5 ng/mL |
| | | | | | | | PCB-72 | 0.5 ng/mL |
| | | | | | | | PCB-73 | 1 ng/mL |
| | | | | | | | PCB-74 | 2 ng/mL |
| | | | | | | | PCB-75 | 1.5 ng/mL |
| | | | | | | | PCB-76 | 2 ng/mL |
| | | | | | | | PCB-77 | 0.5 ng/mL |
| | | | | | | | PCB-78 | 0.5 ng/mL |
| | | | | | | | PCB-79 | 0.5 ng/mL |
| | | | | | | | PCB-8 | 0.5 ng/mL |
| | | | | | | | PCB-80 | 0.5 ng/mL |
| | | | | | | | PCB-81 | 0.5 ng/mL |
| | | | | | | | PCB-82 | 0.5 ng/mL |
| | | | | | | | PCB-83 | 1 ng/mL |
| | | | | | | | PCB-83/99 | 1 ng/mL |
| | | | | | | | PCB-84 | 0.5 ng/mL |
| | | | | | | | PCB-85 | 1.5 ng/mL |
| | | | | | | | PCB-85/116/117 | 1.5 ng/mL |
| | | | | | | | PCB-86 | 3 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 3 ng/mL |
| | | | | | | | PCB-87 | 3 ng/mL |
| | | | | | | | PCB-88 | 1 ng/mL |
| | | | | | | | PCB-88/91 | 1 ng/mL |
| | | | | | | | PCB-89 | 0.5 ng/mL |
| | | | | | | | PCB-9 | 0.5 ng/mL |
| | | | | | | | PCB-90 | 1.5 ng/mL |
| | | | | | | | PCB-90/101/113 | 1.5 ng/mL |
| | | | | | | | PCB-91 | 1 ng/mL |
| | | | | | | | PCB-92 | 0.5 ng/mL |
| | | | | | | | PCB-93 | 1 ng/mL |
| | | | | | | | PCB-93/100 | 1 ng/mL |
| | | | | | | | PCB-94 | 0.5 ng/mL |
| | | | | | | | PCB-95 | 0.5 ng/mL |
| | | | | | | | PCB-96 | 0.5 ng/mL |
| | | | | | | | PCB-97 | 3 ng/mL |
| | | | | | | | PCB-98 | 1 ng/mL |
| | | | | | | | PCB-98/102 | 1 ng/mL |
| | | | | | | | PCB-99 | 1 ng/mL |
| | | | | | 61XXRECSTOCK_00003 | 100 uL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| .61IDSTOCKPCBP_00004 | 10/08/24 | 06/20/16 | Nonane, Lot SHBC8566V | 25 mL | 61INISPCB170P_00001 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00001 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00001 | 10/08/24 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00001 | 10/08/24 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61SP1668NAT_00002 | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61MXALL209P_00004 | 10 uL | PCB-1 | 40 ng/mL |
| | | | | | | | PCB-10 | 40 ng/mL |
| | | | | | | | PCB-100 | 80 ng/mL |
| | | | | | | | PCB-101 | 120 ng/mL |
| | | | | | | | PCB-102 | 80 ng/mL |
| | | | | | | | PCB-103 | 40 ng/mL |
| | | | | | | | PCB-104 | 40 ng/mL |
| | | | | | | | PCB-105 | 40 ng/mL |
| | | | | | | | PCB-106 | 40 ng/mL |
| | | | | | | | PCB-107 | 40 ng/mL |
| | | | | | | | PCB-108 | 80 ng/mL |
| | | | | | | | PCB-108/124 | 80 ng/mL |
| | | | | | | | PCB-109 | 240 ng/mL |
| | | | | | | | PCB-11 | 40 ng/mL |
| | | | | | | | PCB-110 | 80 ng/mL |
| | | | | | | | PCB-110/115 | 80 ng/mL |
| | | | | | | | PCB-111 | 40 ng/mL |
| | | | | | | | PCB-112 | 40 ng/mL |
| | | | | | | | PCB-113 | 120 ng/mL |
| | | | | | | | PCB-114 | 40 ng/mL |
| | | | | | | | PCB-115 | 80 ng/mL |
| | | | | | | | PCB-116 | 120 ng/mL |
| | | | | | | | PCB-117 | 120 ng/mL |
| | | | | | | | PCB-118 | 40 ng/mL |
| | | | | | | | PCB-119 | 240 ng/mL |
| | | | | | | | PCB-12 | 80 ng/mL |
| | | | | | | | PCB-12/13 | 80 ng/mL |
| | | | | | | | PCB-120 | 40 ng/mL |
| | | | | | | | PCB-121 | 40 ng/mL |
| | | | | | | | PCB-122 | 40 ng/mL |
| | | | | | | | PCB-123 | 40 ng/mL |
| | | | | | | | PCB-124 | 80 ng/mL |
| | | | | | | | PCB-125 | 240 ng/mL |
| | | | | | | | PCB-126 | 40 ng/mL |
| | | | | | | | PCB-127 | 40 ng/mL |
| | | | | | | | PCB-128 | 80 ng/mL |
| | | | | | | | PCB-128/166 | 80 ng/mL |
| | | | | | | | PCB-129 | 160 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-129/138/160/163 | 160 ng/mL |
| | | | | | | | PCB-13 | 80 ng/mL |
| | | | | | | | PCB-130 | 40 ng/mL |
| | | | | | | | PCB-131 | 40 ng/mL |
| | | | | | | | PCB-132 | 40 ng/mL |
| | | | | | | | PCB-133 | 40 ng/mL |
| | | | | | | | PCB-134 | 80 ng/mL |
| | | | | | | | PCB-134/143 | 80 ng/mL |
| | | | | | | | PCB-135 | 80 ng/mL |
| | | | | | | | PCB-135/151 | 80 ng/mL |
| | | | | | | | PCB-136 | 40 ng/mL |
| | | | | | | | PCB-137 | 40 ng/mL |
| | | | | | | | PCB-138 | 160 ng/mL |
| | | | | | | | PCB-139 | 80 ng/mL |
| | | | | | | | PCB-139/140 | 80 ng/mL |
| | | | | | | | PCB-14 | 40 ng/mL |
| | | | | | | | PCB-140 | 80 ng/mL |
| | | | | | | | PCB-141 | 40 ng/mL |
| | | | | | | | PCB-142 | 40 ng/mL |
| | | | | | | | PCB-143 | 80 ng/mL |
| | | | | | | | PCB-144 | 40 ng/mL |
| | | | | | | | PCB-145 | 40 ng/mL |
| | | | | | | | PCB-146 | 40 ng/mL |
| | | | | | | | PCB-147 | 80 ng/mL |
| | | | | | | | PCB-147/149 | 80 ng/mL |
| | | | | | | | PCB-148 | 40 ng/mL |
| | | | | | | | PCB-149 | 80 ng/mL |
| | | | | | | | PCB-15 | 40 ng/mL |
| | | | | | | | PCB-150 | 40 ng/mL |
| | | | | | | | PCB-151 | 80 ng/mL |
| | | | | | | | PCB-152 | 40 ng/mL |
| | | | | | | | PCB-153 | 80 ng/mL |
| | | | | | | | PCB-153/168 | 80 ng/mL |
| | | | | | | | PCB-154 | 40 ng/mL |
| | | | | | | | PCB-155 | 40 ng/mL |
| | | | | | | | PCB-156 | 80 ng/mL |
| | | | | | | | PCB-156/157 | 80 ng/mL |
| | | | | | | | PCB-157 | 80 ng/mL |
| | | | | | | | PCB-158 | 40 ng/mL |
| | | | | | | | PCB-159 | 40 ng/mL |
| | | | | | | | PCB-16 | 40 ng/mL |
| | | | | | | | PCB-160 | 160 ng/mL |
| | | | | | | | PCB-161 | 40 ng/mL |
| | | | | | | | PCB-162 | 40 ng/mL |
| | | | | | | | PCB-163 | 160 ng/mL |
| | | | | | | | PCB-164 | 40 ng/mL |
| | | | | | | | PCB-165 | 40 ng/mL |
| | | | | | | | PCB-166 | 80 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-167 | 40 ng/mL |
| | | | | | | | PCB-168 | 80 ng/mL |
| | | | | | | | PCB-169 | 40 ng/mL |
| | | | | | | | PCB-17 | 40 ng/mL |
| | | | | | | | PCB-170 | 40 ng/mL |
| | | | | | | | PCB-171 | 80 ng/mL |
| | | | | | | | PCB-171/173 | 80 ng/mL |
| | | | | | | | PCB-172 | 40 ng/mL |
| | | | | | | | PCB-173 | 80 ng/mL |
| | | | | | | | PCB-174 | 40 ng/mL |
| | | | | | | | PCB-175 | 40 ng/mL |
| | | | | | | | PCB-176 | 40 ng/mL |
| | | | | | | | PCB-177 | 40 ng/mL |
| | | | | | | | PCB-178 | 40 ng/mL |
| | | | | | | | PCB-179 | 40 ng/mL |
| | | | | | | | PCB-18 | 80 ng/mL |
| | | | | | | | PCB-18/30 | 80 ng/mL |
| | | | | | | | PCB-180 | 80 ng/mL |
| | | | | | | | PCB-180/193 | 80 ng/mL |
| | | | | | | | PCB-181 | 40 ng/mL |
| | | | | | | | PCB-182 | 40 ng/mL |
| | | | | | | | PCB-183 | 80 ng/mL |
| | | | | | | | PCB-183/185 | 80 ng/mL |
| | | | | | | | PCB-184 | 40 ng/mL |
| | | | | | | | PCB-185 | 80 ng/mL |
| | | | | | | | PCB-186 | 40 ng/mL |
| | | | | | | | PCB-187 | 40 ng/mL |
| | | | | | | | PCB-188 | 40 ng/mL |
| | | | | | | | PCB-189 | 40 ng/mL |
| | | | | | | | PCB-19 | 40 ng/mL |
| | | | | | | | PCB-190 | 40 ng/mL |
| | | | | | | | PCB-191 | 40 ng/mL |
| | | | | | | | PCB-192 | 40 ng/mL |
| | | | | | | | PCB-193 | 80 ng/mL |
| | | | | | | | PCB-194 | 40 ng/mL |
| | | | | | | | PCB-195 | 40 ng/mL |
| | | | | | | | PCB-196 | 40 ng/mL |
| | | | | | | | PCB-197 | 40 ng/mL |
| | | | | | | | PCB-198 | 80 ng/mL |
| | | | | | | | PCB-198/199 | 80 ng/mL |
| | | | | | | | PCB-199 | 80 ng/mL |
| | | | | | | | PCB-2 | 40 ng/mL |
| | | | | | | | PCB-20 | 80 ng/mL |
| | | | | | | | PCB-20/28 | 80 ng/mL |
| | | | | | | | PCB-200 | 40 ng/mL |
| | | | | | | | PCB-201 | 40 ng/mL |
| | | | | | | | PCB-202 | 40 ng/mL |
| | | | | | | | PCB-203 | 40 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-204 | 40 ng/mL |
| | | | | | | | PCB-205 | 40 ng/mL |
| | | | | | | | PCB-206 | 40 ng/mL |
| | | | | | | | PCB-207 | 40 ng/mL |
| | | | | | | | PCB-208 | 40 ng/mL |
| | | | | | | | PCB-209 | 40 ng/mL |
| | | | | | | | PCB-21 | 80 ng/mL |
| | | | | | | | PCB-21/33 | 80 ng/mL |
| | | | | | | | PCB-22 | 40 ng/mL |
| | | | | | | | PCB-23 | 40 ng/mL |
| | | | | | | | PCB-24 | 40 ng/mL |
| | | | | | | | PCB-25 | 40 ng/mL |
| | | | | | | | PCB-26 | 80 ng/mL |
| | | | | | | | PCB-26/29 | 80 ng/mL |
| | | | | | | | PCB-27 | 40 ng/mL |
| | | | | | | | PCB-28 | 80 ng/mL |
| | | | | | | | PCB-29 | 80 ng/mL |
| | | | | | | | PCB-3 | 40 ng/mL |
| | | | | | | | PCB-30 | 80 ng/mL |
| | | | | | | | PCB-31 | 40 ng/mL |
| | | | | | | | PCB-32 | 40 ng/mL |
| | | | | | | | PCB-33 | 80 ng/mL |
| | | | | | | | PCB-34 | 40 ng/mL |
| | | | | | | | PCB-35 | 40 ng/mL |
| | | | | | | | PCB-36 | 40 ng/mL |
| | | | | | | | PCB-37 | 40 ng/mL |
| | | | | | | | PCB-38 | 40 ng/mL |
| | | | | | | | PCB-39 | 40 ng/mL |
| | | | | | | | PCB-4 | 40 ng/mL |
| | | | | | | | PCB-40 | 120 ng/mL |
| | | | | | | | PCB-40/41/71 | 120 ng/mL |
| | | | | | | | PCB-41 | 120 ng/mL |
| | | | | | | | PCB-42 | 40 ng/mL |
| | | | | | | | PCB-43 | 80 ng/mL |
| | | | | | | | PCB-43/73 | 80 ng/mL |
| | | | | | | | PCB-44 | 120 ng/mL |
| | | | | | | | PCB-44/47/65 | 120 ng/mL |
| | | | | | | | PCB-45 | 80 ng/mL |
| | | | | | | | PCB-45/51 | 80 ng/mL |
| | | | | | | | PCB-46 | 40 ng/mL |
| | | | | | | | PCB-47 | 120 ng/mL |
| | | | | | | | PCB-48 | 40 ng/mL |
| | | | | | | | PCB-49 | 80 ng/mL |
| | | | | | | | PCB-49/69 | 80 ng/mL |
| | | | | | | | PCB-5 | 40 ng/mL |
| | | | | | | | PCB-50 | 80 ng/mL |
| | | | | | | | PCB-50/53 | 80 ng/mL |
| | | | | | | | PCB-51 | 80 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-52 | 40 ng/mL |
| | | | | | | | PCB-53 | 80 ng/mL |
| | | | | | | | PCB-54 | 40 ng/mL |
| | | | | | | | PCB-55 | 40 ng/mL |
| | | | | | | | PCB-56 | 40 ng/mL |
| | | | | | | | PCB-57 | 40 ng/mL |
| | | | | | | | PCB-58 | 40 ng/mL |
| | | | | | | | PCB-59 | 120 ng/mL |
| | | | | | | | PCB-59/62/75 | 120 ng/mL |
| | | | | | | | PCB-6 | 40 ng/mL |
| | | | | | | | PCB-60 | 40 ng/mL |
| | | | | | | | PCB-61 | 160 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 160 ng/mL |
| | | | | | | | PCB-62 | 120 ng/mL |
| | | | | | | | PCB-63 | 40 ng/mL |
| | | | | | | | PCB-64 | 40 ng/mL |
| | | | | | | | PCB-65 | 120 ng/mL |
| | | | | | | | PCB-66 | 40 ng/mL |
| | | | | | | | PCB-67 | 40 ng/mL |
| | | | | | | | PCB-68 | 40 ng/mL |
| | | | | | | | PCB-69 | 80 ng/mL |
| | | | | | | | PCB-7 | 40 ng/mL |
| | | | | | | | PCB-70 | 160 ng/mL |
| | | | | | | | PCB-71 | 120 ng/mL |
| | | | | | | | PCB-72 | 40 ng/mL |
| | | | | | | | PCB-73 | 80 ng/mL |
| | | | | | | | PCB-74 | 160 ng/mL |
| | | | | | | | PCB-75 | 120 ng/mL |
| | | | | | | | PCB-76 | 160 ng/mL |
| | | | | | | | PCB-77 | 40 ng/mL |
| | | | | | | | PCB-78 | 40 ng/mL |
| | | | | | | | PCB-79 | 40 ng/mL |
| | | | | | | | PCB-8 | 40 ng/mL |
| | | | | | | | PCB-80 | 40 ng/mL |
| | | | | | | | PCB-81 | 40 ng/mL |
| | | | | | | | PCB-82 | 40 ng/mL |
| | | | | | | | PCB-83 | 80 ng/mL |
| | | | | | | | PCB-83/99 | 80 ng/mL |
| | | | | | | | PCB-84 | 40 ng/mL |
| | | | | | | | PCB-85 | 120 ng/mL |
| | | | | | | | PCB-85/116/117 | 120 ng/mL |
| | | | | | | | PCB-86 | 240 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 240 ng/mL |
| | | | | | | | PCB-87 | 240 ng/mL |
| | | | | | | | PCB-88 | 80 ng/mL |
| | | | | | | | PCB-88/91 | 80 ng/mL |
| | | | | | | | PCB-89 | 40 ng/mL |
| | | | | | | | PCB-9 | 40 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-90 | 120 ng/mL |
| | | | | | | | PCB-90/101/113 | 120 ng/mL |
| | | | | | | | PCB-91 | 80 ng/mL |
| | | | | | | | PCB-92 | 40 ng/mL |
| | | | | | | | PCB-93 | 80 ng/mL |
| | | | | | | | PCB-93/100 | 80 ng/mL |
| | | | | | | | PCB-94 | 40 ng/mL |
| | | | | | | | PCB-95 | 40 ng/mL |
| | | | | | | | PCB-96 | 40 ng/mL |
| | | | | | | | PCB-97 | 240 ng/mL |
| | | | | | | | PCB-98 | 80 ng/mL |
| | | | | | | | PCB-98/102 | 80 ng/mL |
| | | | | | | | PCB-99 | 80 ng/mL |
| ..61MXALL209P_00004 | 09/17/19 | AccuStandard, Lot 209091190 | | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |
| | | | | | | | PCB-124 | 8 ug/mL |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |
| | | | | | | | PCB-160 | 16 ug/mL |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |
| | | | | | | | PCB-2 | 4 ug/mL |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |
| | | | | | | | PCB-48 | 4 ug/mL |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |
| | | | | | | | PCB-86 | 24 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |
| .61XXRECSTOCK_00003 | 02/03/24 | 11/14/16 | Nonane, Lot SHBD8765V | 10 mL | 61INPCB101LP_00002 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00002 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00002 | 250 uL | PCB-138L | 1000 ng/mL |
| | | | | | 61INPCB180LP_00002 | 250 uL | PCB-180L | 1000 ng/mL |
| | | | | | 61INPCB194LP_00002 | 250 uL | PCB-194L | 1000 ng/mL |
| | | | | | 61INPCB31LP_00002 | 200 uL | PCB-31L | 1000 ng/mL |
| | | | | | 61INPCB32LP_00002 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00002 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00002 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00002 | 02/05/24 | | Cambridge, Lot SDBA-020 | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-008 | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-020 | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |
| ..61INPCB180LP_00002 | 02/05/24 | | Canbridge, Lot SDDD-017 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00002 | 02/05/24 | | Cambridge, Lot SCDF-008 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00002 | 02/03/24 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00002 | 02/05/24 | | Cambridge, Lot SCBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00002 | 02/05/24 | | Cambridge, Lot SDAK-002 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00002 | 02/05/24 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61L11668P_00002** | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61IDSTOCKPCBP_00004 | 100 uL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61SP1668NAT_00002 | 25 uL | PCB-1 | 1 ng/mL |
| | | | | | | | PCB-10 | 1 ng/mL |
| | | | | | | | PCB-100 | 2 ng/mL |
| | | | | | | | PCB-101 | 3 ng/mL |
| | | | | | | | PCB-102 | 2 ng/mL |
| | | | | | | | PCB-103 | 1 ng/mL |
| | | | | | | | PCB-104 | 1 ng/mL |
| | | | | | | | PCB-105 | 1 ng/mL |
| | | | | | | | PCB-106 | 1 ng/mL |
| | | | | | | | PCB-107 | 1 ng/mL |
| | | | | | | | PCB-108 | 2 ng/mL |
| | | | | | | | PCB-108/124 | 2 ng/mL |
| | | | | | | | PCB-109 | 6 ng/mL |
| | | | | | | | PCB-11 | 1 ng/mL |
| | | | | | | | PCB-110 | 2 ng/mL |
| | | | | | | | PCB-110/115 | 2 ng/mL |
| | | | | | | | PCB-111 | 1 ng/mL |
| | | | | | | | PCB-112 | 1 ng/mL |
| | | | | | | | PCB-113 | 3 ng/mL |
| | | | | | | | PCB-114 | 1 ng/mL |
| | | | | | | | PCB-115 | 2 ng/mL |
| | | | | | | | PCB-116 | 3 ng/mL |
| | | | | | | | PCB-117 | 3 ng/mL |
| | | | | | | | PCB-118 | 1 ng/mL |
| | | | | | | | PCB-119 | 6 ng/mL |
| | | | | | | | PCB-12 | 2 ng/mL |
| | | | | | | | PCB-12/13 | 2 ng/mL |
| | | | | | | | PCB-120 | 1 ng/mL |
| | | | | | | | PCB-121 | 1 ng/mL |
| | | | | | | | PCB-122 | 1 ng/mL |
| | | | | | | | PCB-123 | 1 ng/mL |
| | | | | | | | PCB-124 | 2 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-125 | 6 ng/mL |
| | | | | | | | PCB-126 | 1 ng/mL |
| | | | | | | | PCB-127 | 1 ng/mL |
| | | | | | | | PCB-128 | 2 ng/mL |
| | | | | | | | PCB-128/166 | 2 ng/mL |
| | | | | | | | PCB-129 | 4 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 4 ng/mL |
| | | | | | | | PCB-13 | 2 ng/mL |
| | | | | | | | PCB-130 | 1 ng/mL |
| | | | | | | | PCB-131 | 1 ng/mL |
| | | | | | | | PCB-132 | 1 ng/mL |
| | | | | | | | PCB-133 | 1 ng/mL |
| | | | | | | | PCB-134 | 2 ng/mL |
| | | | | | | | PCB-134/143 | 2 ng/mL |
| | | | | | | | PCB-135 | 2 ng/mL |
| | | | | | | | PCB-135/151 | 2 ng/mL |
| | | | | | | | PCB-136 | 1 ng/mL |
| | | | | | | | PCB-137 | 1 ng/mL |
| | | | | | | | PCB-138 | 4 ng/mL |
| | | | | | | | PCB-139 | 2 ng/mL |
| | | | | | | | PCB-139/140 | 2 ng/mL |
| | | | | | | | PCB-14 | 1 ng/mL |
| | | | | | | | PCB-140 | 2 ng/mL |
| | | | | | | | PCB-141 | 1 ng/mL |
| | | | | | | | PCB-142 | 1 ng/mL |
| | | | | | | | PCB-143 | 2 ng/mL |
| | | | | | | | PCB-144 | 1 ng/mL |
| | | | | | | | PCB-145 | 1 ng/mL |
| | | | | | | | PCB-146 | 1 ng/mL |
| | | | | | | | PCB-147 | 2 ng/mL |
| | | | | | | | PCB-147/149 | 2 ng/mL |
| | | | | | | | PCB-148 | 1 ng/mL |
| | | | | | | | PCB-149 | 2 ng/mL |
| | | | | | | | PCB-15 | 1 ng/mL |
| | | | | | | | PCB-150 | 1 ng/mL |
| | | | | | | | PCB-151 | 2 ng/mL |
| | | | | | | | PCB-152 | 1 ng/mL |
| | | | | | | | PCB-153 | 2 ng/mL |
| | | | | | | | PCB-153/168 | 2 ng/mL |
| | | | | | | | PCB-154 | 1 ng/mL |
| | | | | | | | PCB-155 | 1 ng/mL |
| | | | | | | | PCB-156 | 2 ng/mL |
| | | | | | | | PCB-156/157 | 2 ng/mL |
| | | | | | | | PCB-157 | 2 ng/mL |
| | | | | | | | PCB-158 | 1 ng/mL |
| | | | | | | | PCB-159 | 1 ng/mL |
| | | | | | | | PCB-16 | 1 ng/mL |
| | | | | | | | PCB-160 | 4 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-161 | 1 ng/mL |
| | | | | | | | PCB-162 | 1 ng/mL |
| | | | | | | | PCB-163 | 4 ng/mL |
| | | | | | | | PCB-164 | 1 ng/mL |
| | | | | | | | PCB-165 | 1 ng/mL |
| | | | | | | | PCB-166 | 2 ng/mL |
| | | | | | | | PCB-167 | 1 ng/mL |
| | | | | | | | PCB-168 | 2 ng/mL |
| | | | | | | | PCB-169 | 1 ng/mL |
| | | | | | | | PCB-17 | 1 ng/mL |
| | | | | | | | PCB-170 | 1 ng/mL |
| | | | | | | | PCB-171 | 2 ng/mL |
| | | | | | | | PCB-171/173 | 2 ng/mL |
| | | | | | | | PCB-172 | 1 ng/mL |
| | | | | | | | PCB-173 | 2 ng/mL |
| | | | | | | | PCB-174 | 1 ng/mL |
| | | | | | | | PCB-175 | 1 ng/mL |
| | | | | | | | PCB-176 | 1 ng/mL |
| | | | | | | | PCB-177 | 1 ng/mL |
| | | | | | | | PCB-178 | 1 ng/mL |
| | | | | | | | PCB-179 | 1 ng/mL |
| | | | | | | | PCB-18 | 2 ng/mL |
| | | | | | | | PCB-18/30 | 2 ng/mL |
| | | | | | | | PCB-180 | 2 ng/mL |
| | | | | | | | PCB-180/193 | 2 ng/mL |
| | | | | | | | PCB-181 | 1 ng/mL |
| | | | | | | | PCB-182 | 1 ng/mL |
| | | | | | | | PCB-183 | 2 ng/mL |
| | | | | | | | PCB-183/185 | 2 ng/mL |
| | | | | | | | PCB-184 | 1 ng/mL |
| | | | | | | | PCB-185 | 2 ng/mL |
| | | | | | | | PCB-186 | 1 ng/mL |
| | | | | | | | PCB-187 | 1 ng/mL |
| | | | | | | | PCB-188 | 1 ng/mL |
| | | | | | | | PCB-189 | 1 ng/mL |
| | | | | | | | PCB-19 | 1 ng/mL |
| | | | | | | | PCB-190 | 1 ng/mL |
| | | | | | | | PCB-191 | 1 ng/mL |
| | | | | | | | PCB-192 | 1 ng/mL |
| | | | | | | | PCB-193 | 2 ng/mL |
| | | | | | | | PCB-194 | 1 ng/mL |
| | | | | | | | PCB-195 | 1 ng/mL |
| | | | | | | | PCB-196 | 1 ng/mL |
| | | | | | | | PCB-197 | 1 ng/mL |
| | | | | | | | PCB-198 | 2 ng/mL |
| | | | | | | | PCB-198/199 | 2 ng/mL |
| | | | | | | | PCB-199 | 2 ng/mL |
| | | | | | | | PCB-2 | 1 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-20 | 2 ng/mL |
| | | | | | | | PCB-20/28 | 2 ng/mL |
| | | | | | | | PCB-200 | 1 ng/mL |
| | | | | | | | PCB-201 | 1 ng/mL |
| | | | | | | | PCB-202 | 1 ng/mL |
| | | | | | | | PCB-203 | 1 ng/mL |
| | | | | | | | PCB-204 | 1 ng/mL |
| | | | | | | | PCB-205 | 1 ng/mL |
| | | | | | | | PCB-206 | 1 ng/mL |
| | | | | | | | PCB-207 | 1 ng/mL |
| | | | | | | | PCB-208 | 1 ng/mL |
| | | | | | | | PCB-209 | 1 ng/mL |
| | | | | | | | PCB-21 | 2 ng/mL |
| | | | | | | | PCB-21/33 | 2 ng/mL |
| | | | | | | | PCB-22 | 1 ng/mL |
| | | | | | | | PCB-23 | 1 ng/mL |
| | | | | | | | PCB-24 | 1 ng/mL |
| | | | | | | | PCB-25 | 1 ng/mL |
| | | | | | | | PCB-26 | 2 ng/mL |
| | | | | | | | PCB-26/29 | 2 ng/mL |
| | | | | | | | PCB-27 | 1 ng/mL |
| | | | | | | | PCB-28 | 2 ng/mL |
| | | | | | | | PCB-29 | 2 ng/mL |
| | | | | | | | PCB-3 | 1 ng/mL |
| | | | | | | | PCB-30 | 2 ng/mL |
| | | | | | | | PCB-31 | 1 ng/mL |
| | | | | | | | PCB-32 | 1 ng/mL |
| | | | | | | | PCB-33 | 2 ng/mL |
| | | | | | | | PCB-34 | 1 ng/mL |
| | | | | | | | PCB-35 | 1 ng/mL |
| | | | | | | | PCB-36 | 1 ng/mL |
| | | | | | | | PCB-37 | 1 ng/mL |
| | | | | | | | PCB-38 | 1 ng/mL |
| | | | | | | | PCB-39 | 1 ng/mL |
| | | | | | | | PCB-4 | 1 ng/mL |
| | | | | | | | PCB-40 | 3 ng/mL |
| | | | | | | | PCB-40/41/71 | 3 ng/mL |
| | | | | | | | PCB-41 | 3 ng/mL |
| | | | | | | | PCB-42 | 1 ng/mL |
| | | | | | | | PCB-43 | 2 ng/mL |
| | | | | | | | PCB-43/73 | 2 ng/mL |
| | | | | | | | PCB-44 | 3 ng/mL |
| | | | | | | | PCB-44/47/65 | 3 ng/mL |
| | | | | | | | PCB-45 | 2 ng/mL |
| | | | | | | | PCB-45/51 | 2 ng/mL |
| | | | | | | | PCB-46 | 1 ng/mL |
| | | | | | | | PCB-47 | 3 ng/mL |
| | | | | | | | PCB-48 | 1 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-49 | 2 ng/mL |
| | | | | | | | PCB-49/69 | 2 ng/mL |
| | | | | | | | PCB-5 | 1 ng/mL |
| | | | | | | | PCB-50 | 2 ng/mL |
| | | | | | | | PCB-50/53 | 2 ng/mL |
| | | | | | | | PCB-51 | 2 ng/mL |
| | | | | | | | PCB-52 | 1 ng/mL |
| | | | | | | | PCB-53 | 2 ng/mL |
| | | | | | | | PCB-54 | 1 ng/mL |
| | | | | | | | PCB-55 | 1 ng/mL |
| | | | | | | | PCB-56 | 1 ng/mL |
| | | | | | | | PCB-57 | 1 ng/mL |
| | | | | | | | PCB-58 | 1 ng/mL |
| | | | | | | | PCB-59 | 3 ng/mL |
| | | | | | | | PCB-59/62/75 | 3 ng/mL |
| | | | | | | | PCB-6 | 1 ng/mL |
| | | | | | | | PCB-60 | 1 ng/mL |
| | | | | | | | PCB-61 | 4 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 4 ng/mL |
| | | | | | | | PCB-62 | 3 ng/mL |
| | | | | | | | PCB-63 | 1 ng/mL |
| | | | | | | | PCB-64 | 1 ng/mL |
| | | | | | | | PCB-65 | 3 ng/mL |
| | | | | | | | PCB-66 | 1 ng/mL |
| | | | | | | | PCB-67 | 1 ng/mL |
| | | | | | | | PCB-68 | 1 ng/mL |
| | | | | | | | PCB-69 | 2 ng/mL |
| | | | | | | | PCB-7 | 1 ng/mL |
| | | | | | | | PCB-70 | 4 ng/mL |
| | | | | | | | PCB-71 | 3 ng/mL |
| | | | | | | | PCB-72 | 1 ng/mL |
| | | | | | | | PCB-73 | 2 ng/mL |
| | | | | | | | PCB-74 | 4 ng/mL |
| | | | | | | | PCB-75 | 3 ng/mL |
| | | | | | | | PCB-76 | 4 ng/mL |
| | | | | | | | PCB-77 | 1 ng/mL |
| | | | | | | | PCB-78 | 1 ng/mL |
| | | | | | | | PCB-79 | 1 ng/mL |
| | | | | | | | PCB-8 | 1 ng/mL |
| | | | | | | | PCB-80 | 1 ng/mL |
| | | | | | | | PCB-81 | 1 ng/mL |
| | | | | | | | PCB-82 | 1 ng/mL |
| | | | | | | | PCB-83 | 2 ng/mL |
| | | | | | | | PCB-83/99 | 2 ng/mL |
| | | | | | | | PCB-84 | 1 ng/mL |
| | | | | | | | PCB-85 | 3 ng/mL |
| | | | | | | | PCB-85/116/117 | 3 ng/mL |
| | | | | | | | PCB-86 | 6 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-86/87/97/109/119/125 | 6 ng/mL |
| | | | | | | | PCB-87 | 6 ng/mL |
| | | | | | | | PCB-88 | 2 ng/mL |
| | | | | | | | PCB-88/91 | 2 ng/mL |
| | | | | | | | PCB-89 | 1 ng/mL |
| | | | | | | | PCB-9 | 1 ng/mL |
| | | | | | | | PCB-90 | 3 ng/mL |
| | | | | | | | PCB-90/101/113 | 3 ng/mL |
| | | | | | | | PCB-91 | 2 ng/mL |
| | | | | | | | PCB-92 | 1 ng/mL |
| | | | | | | | PCB-93 | 2 ng/mL |
| | | | | | | | PCB-93/100 | 2 ng/mL |
| | | | | | | | PCB-94 | 1 ng/mL |
| | | | | | | | PCB-95 | 1 ng/mL |
| | | | | | | | PCB-96 | 1 ng/mL |
| | | | | | | | PCB-97 | 6 ng/mL |
| | | | | | | | PCB-98 | 2 ng/mL |
| | | | | | | | PCB-98/102 | 2 ng/mL |
| | | | | | | | PCB-99 | 2 ng/mL |
| | | | | | 61XXRECSTOCK_00003 | 100 uL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |
| .61IDSTOCKPCBP_00004 | 10/08/24 | 06/20/16 | Nonane, Lot SHBC8566V | 25 mL | 61INISPCB170P_00001 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00001 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00001 | 10/08/24 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00001 | 10/08/24 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61SP1668NAT_00002 | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61MXALL209P_00004 | 10 uL | PCB-1 | 40 ng/mL |
| | | | | | | | PCB-10 | 40 ng/mL |
| | | | | | | | PCB-100 | 80 ng/mL |
| | | | | | | | PCB-101 | 120 ng/mL |
| | | | | | | | PCB-102 | 80 ng/mL |
| | | | | | | | PCB-103 | 40 ng/mL |
| | | | | | | | PCB-104 | 40 ng/mL |
| | | | | | | | PCB-105 | 40 ng/mL |
| | | | | | | | PCB-106 | 40 ng/mL |
| | | | | | | | PCB-107 | 40 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-108 | 80 ng/mL |
| | | | | | | | PCB-108/124 | 80 ng/mL |
| | | | | | | | PCB-109 | 240 ng/mL |
| | | | | | | | PCB-11 | 40 ng/mL |
| | | | | | | | PCB-110 | 80 ng/mL |
| | | | | | | | PCB-110/115 | 80 ng/mL |
| | | | | | | | PCB-111 | 40 ng/mL |
| | | | | | | | PCB-112 | 40 ng/mL |
| | | | | | | | PCB-113 | 120 ng/mL |
| | | | | | | | PCB-114 | 40 ng/mL |
| | | | | | | | PCB-115 | 80 ng/mL |
| | | | | | | | PCB-116 | 120 ng/mL |
| | | | | | | | PCB-117 | 120 ng/mL |
| | | | | | | | PCB-118 | 40 ng/mL |
| | | | | | | | PCB-119 | 240 ng/mL |
| | | | | | | | PCB-12 | 80 ng/mL |
| | | | | | | | PCB-12/13 | 80 ng/mL |
| | | | | | | | PCB-120 | 40 ng/mL |
| | | | | | | | PCB-121 | 40 ng/mL |
| | | | | | | | PCB-122 | 40 ng/mL |
| | | | | | | | PCB-123 | 40 ng/mL |
| | | | | | | | PCB-124 | 80 ng/mL |
| | | | | | | | PCB-125 | 240 ng/mL |
| | | | | | | | PCB-126 | 40 ng/mL |
| | | | | | | | PCB-127 | 40 ng/mL |
| | | | | | | | PCB-128 | 80 ng/mL |
| | | | | | | | PCB-128/166 | 80 ng/mL |
| | | | | | | | PCB-129 | 160 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 160 ng/mL |
| | | | | | | | PCB-13 | 80 ng/mL |
| | | | | | | | PCB-130 | 40 ng/mL |
| | | | | | | | PCB-131 | 40 ng/mL |
| | | | | | | | PCB-132 | 40 ng/mL |
| | | | | | | | PCB-133 | 40 ng/mL |
| | | | | | | | PCB-134 | 80 ng/mL |
| | | | | | | | PCB-134/143 | 80 ng/mL |
| | | | | | | | PCB-135 | 80 ng/mL |
| | | | | | | | PCB-135/151 | 80 ng/mL |
| | | | | | | | PCB-136 | 40 ng/mL |
| | | | | | | | PCB-137 | 40 ng/mL |
| | | | | | | | PCB-138 | 160 ng/mL |
| | | | | | | | PCB-139 | 80 ng/mL |
| | | | | | | | PCB-139/140 | 80 ng/mL |
| | | | | | | | PCB-14 | 40 ng/mL |
| | | | | | | | PCB-140 | 80 ng/mL |
| | | | | | | | PCB-141 | 40 ng/mL |
| | | | | | | | PCB-142 | 40 ng/mL |
| | | | | | | | PCB-143 | 80 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-144 | 40 ng/mL |
| | | | | | | | PCB-145 | 40 ng/mL |
| | | | | | | | PCB-146 | 40 ng/mL |
| | | | | | | | PCB-147 | 80 ng/mL |
| | | | | | | | PCB-147/149 | 80 ng/mL |
| | | | | | | | PCB-148 | 40 ng/mL |
| | | | | | | | PCB-149 | 80 ng/mL |
| | | | | | | | PCB-15 | 40 ng/mL |
| | | | | | | | PCB-150 | 40 ng/mL |
| | | | | | | | PCB-151 | 80 ng/mL |
| | | | | | | | PCB-152 | 40 ng/mL |
| | | | | | | | PCB-153 | 80 ng/mL |
| | | | | | | | PCB-153/168 | 80 ng/mL |
| | | | | | | | PCB-154 | 40 ng/mL |
| | | | | | | | PCB-155 | 40 ng/mL |
| | | | | | | | PCB-156 | 80 ng/mL |
| | | | | | | | PCB-156/157 | 80 ng/mL |
| | | | | | | | PCB-157 | 80 ng/mL |
| | | | | | | | PCB-158 | 40 ng/mL |
| | | | | | | | PCB-159 | 40 ng/mL |
| | | | | | | | PCB-16 | 40 ng/mL |
| | | | | | | | PCB-160 | 160 ng/mL |
| | | | | | | | PCB-161 | 40 ng/mL |
| | | | | | | | PCB-162 | 40 ng/mL |
| | | | | | | | PCB-163 | 160 ng/mL |
| | | | | | | | PCB-164 | 40 ng/mL |
| | | | | | | | PCB-165 | 40 ng/mL |
| | | | | | | | PCB-166 | 80 ng/mL |
| | | | | | | | PCB-167 | 40 ng/mL |
| | | | | | | | PCB-168 | 80 ng/mL |
| | | | | | | | PCB-169 | 40 ng/mL |
| | | | | | | | PCB-17 | 40 ng/mL |
| | | | | | | | PCB-170 | 40 ng/mL |
| | | | | | | | PCB-171 | 80 ng/mL |
| | | | | | | | PCB-171/173 | 80 ng/mL |
| | | | | | | | PCB-172 | 40 ng/mL |
| | | | | | | | PCB-173 | 80 ng/mL |
| | | | | | | | PCB-174 | 40 ng/mL |
| | | | | | | | PCB-175 | 40 ng/mL |
| | | | | | | | PCB-176 | 40 ng/mL |
| | | | | | | | PCB-177 | 40 ng/mL |
| | | | | | | | PCB-178 | 40 ng/mL |
| | | | | | | | PCB-179 | 40 ng/mL |
| | | | | | | | PCB-18 | 80 ng/mL |
| | | | | | | | PCB-18/30 | 80 ng/mL |
| | | | | | | | PCB-180 | 80 ng/mL |
| | | | | | | | PCB-180/193 | 80 ng/mL |
| | | | | | | | PCB-181 | 40 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-182 | 40 ng/mL |
| | | | | | | | PCB-183 | 80 ng/mL |
| | | | | | | | PCB-183/185 | 80 ng/mL |
| | | | | | | | PCB-184 | 40 ng/mL |
| | | | | | | | PCB-185 | 80 ng/mL |
| | | | | | | | PCB-186 | 40 ng/mL |
| | | | | | | | PCB-187 | 40 ng/mL |
| | | | | | | | PCB-188 | 40 ng/mL |
| | | | | | | | PCB-189 | 40 ng/mL |
| | | | | | | | PCB-19 | 40 ng/mL |
| | | | | | | | PCB-190 | 40 ng/mL |
| | | | | | | | PCB-191 | 40 ng/mL |
| | | | | | | | PCB-192 | 40 ng/mL |
| | | | | | | | PCB-193 | 80 ng/mL |
| | | | | | | | PCB-194 | 40 ng/mL |
| | | | | | | | PCB-195 | 40 ng/mL |
| | | | | | | | PCB-196 | 40 ng/mL |
| | | | | | | | PCB-197 | 40 ng/mL |
| | | | | | | | PCB-198 | 80 ng/mL |
| | | | | | | | PCB-198/199 | 80 ng/mL |
| | | | | | | | PCB-199 | 80 ng/mL |
| | | | | | | | PCB-2 | 40 ng/mL |
| | | | | | | | PCB-20 | 80 ng/mL |
| | | | | | | | PCB-20/28 | 80 ng/mL |
| | | | | | | | PCB-200 | 40 ng/mL |
| | | | | | | | PCB-201 | 40 ng/mL |
| | | | | | | | PCB-202 | 40 ng/mL |
| | | | | | | | PCB-203 | 40 ng/mL |
| | | | | | | | PCB-204 | 40 ng/mL |
| | | | | | | | PCB-205 | 40 ng/mL |
| | | | | | | | PCB-206 | 40 ng/mL |
| | | | | | | | PCB-207 | 40 ng/mL |
| | | | | | | | PCB-208 | 40 ng/mL |
| | | | | | | | PCB-209 | 40 ng/mL |
| | | | | | | | PCB-21 | 80 ng/mL |
| | | | | | | | PCB-21/33 | 80 ng/mL |
| | | | | | | | PCB-22 | 40 ng/mL |
| | | | | | | | PCB-23 | 40 ng/mL |
| | | | | | | | PCB-24 | 40 ng/mL |
| | | | | | | | PCB-25 | 40 ng/mL |
| | | | | | | | PCB-26 | 80 ng/mL |
| | | | | | | | PCB-26/29 | 80 ng/mL |
| | | | | | | | PCB-27 | 40 ng/mL |
| | | | | | | | PCB-28 | 80 ng/mL |
| | | | | | | | PCB-29 | 80 ng/mL |
| | | | | | | | PCB-3 | 40 ng/mL |
| | | | | | | | PCB-30 | 80 ng/mL |
| | | | | | | | PCB-31 | 40 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-32 | 40 ng/mL |
| | | | | | | | PCB-33 | 80 ng/mL |
| | | | | | | | PCB-34 | 40 ng/mL |
| | | | | | | | PCB-35 | 40 ng/mL |
| | | | | | | | PCB-36 | 40 ng/mL |
| | | | | | | | PCB-37 | 40 ng/mL |
| | | | | | | | PCB-38 | 40 ng/mL |
| | | | | | | | PCB-39 | 40 ng/mL |
| | | | | | | | PCB-4 | 40 ng/mL |
| | | | | | | | PCB-40 | 120 ng/mL |
| | | | | | | | PCB-40/41/71 | 120 ng/mL |
| | | | | | | | PCB-41 | 120 ng/mL |
| | | | | | | | PCB-42 | 40 ng/mL |
| | | | | | | | PCB-43 | 80 ng/mL |
| | | | | | | | PCB-43/73 | 80 ng/mL |
| | | | | | | | PCB-44 | 120 ng/mL |
| | | | | | | | PCB-44/47/65 | 120 ng/mL |
| | | | | | | | PCB-45 | 80 ng/mL |
| | | | | | | | PCB-45/51 | 80 ng/mL |
| | | | | | | | PCB-46 | 40 ng/mL |
| | | | | | | | PCB-47 | 120 ng/mL |
| | | | | | | | PCB-48 | 40 ng/mL |
| | | | | | | | PCB-49 | 80 ng/mL |
| | | | | | | | PCB-49/69 | 80 ng/mL |
| | | | | | | | PCB-5 | 40 ng/mL |
| | | | | | | | PCB-50 | 80 ng/mL |
| | | | | | | | PCB-50/53 | 80 ng/mL |
| | | | | | | | PCB-51 | 80 ng/mL |
| | | | | | | | PCB-52 | 40 ng/mL |
| | | | | | | | PCB-53 | 80 ng/mL |
| | | | | | | | PCB-54 | 40 ng/mL |
| | | | | | | | PCB-55 | 40 ng/mL |
| | | | | | | | PCB-56 | 40 ng/mL |
| | | | | | | | PCB-57 | 40 ng/mL |
| | | | | | | | PCB-58 | 40 ng/mL |
| | | | | | | | PCB-59 | 120 ng/mL |
| | | | | | | | PCB-59/62/75 | 120 ng/mL |
| | | | | | | | PCB-6 | 40 ng/mL |
| | | | | | | | PCB-60 | 40 ng/mL |
| | | | | | | | PCB-61 | 160 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 160 ng/mL |
| | | | | | | | PCB-62 | 120 ng/mL |
| | | | | | | | PCB-63 | 40 ng/mL |
| | | | | | | | PCB-64 | 40 ng/mL |
| | | | | | | | PCB-65 | 120 ng/mL |
| | | | | | | | PCB-66 | 40 ng/mL |
| | | | | | | | PCB-67 | 40 ng/mL |
| | | | | | | | PCB-68 | 40 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-69 | 80 ng/mL |
| | | | | | | | PCB-7 | 40 ng/mL |
| | | | | | | | PCB-70 | 160 ng/mL |
| | | | | | | | PCB-71 | 120 ng/mL |
| | | | | | | | PCB-72 | 40 ng/mL |
| | | | | | | | PCB-73 | 80 ng/mL |
| | | | | | | | PCB-74 | 160 ng/mL |
| | | | | | | | PCB-75 | 120 ng/mL |
| | | | | | | | PCB-76 | 160 ng/mL |
| | | | | | | | PCB-77 | 40 ng/mL |
| | | | | | | | PCB-78 | 40 ng/mL |
| | | | | | | | PCB-79 | 40 ng/mL |
| | | | | | | | PCB-8 | 40 ng/mL |
| | | | | | | | PCB-80 | 40 ng/mL |
| | | | | | | | PCB-81 | 40 ng/mL |
| | | | | | | | PCB-82 | 40 ng/mL |
| | | | | | | | PCB-83 | 80 ng/mL |
| | | | | | | | PCB-83/99 | 80 ng/mL |
| | | | | | | | PCB-84 | 40 ng/mL |
| | | | | | | | PCB-85 | 120 ng/mL |
| | | | | | | | PCB-85/116/117 | 120 ng/mL |
| | | | | | | | PCB-86 | 240 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 240 ng/mL |
| | | | | | | | PCB-87 | 240 ng/mL |
| | | | | | | | PCB-88 | 80 ng/mL |
| | | | | | | | PCB-88/91 | 80 ng/mL |
| | | | | | | | PCB-89 | 40 ng/mL |
| | | | | | | | PCB-9 | 40 ng/mL |
| | | | | | | | PCB-90 | 120 ng/mL |
| | | | | | | | PCB-90/101/113 | 120 ng/mL |
| | | | | | | | PCB-91 | 80 ng/mL |
| | | | | | | | PCB-92 | 40 ng/mL |
| | | | | | | | PCB-93 | 80 ng/mL |
| | | | | | | | PCB-93/100 | 80 ng/mL |
| | | | | | | | PCB-94 | 40 ng/mL |
| | | | | | | | PCB-95 | 40 ng/mL |
| | | | | | | | PCB-96 | 40 ng/mL |
| | | | | | | | PCB-97 | 240 ng/mL |
| | | | | | | | PCB-98 | 80 ng/mL |
| | | | | | | | PCB-98/102 | 80 ng/mL |
| | | | | | | | PCB-99 | 80 ng/mL |
| ..61MXALL209P_00004 | 09/17/19 | | AccuStandard, Lot 209091190 | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |
| | | | | | | | PCB-124 | 8 ug/mL |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |
| | | | | | | | PCB-160 | 16 ug/mL |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |
| | | | | | | | PCB-2 | 4 ug/mL |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |
| | | | | | | | PCB-48 | 4 ug/mL |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |
| | | | | | | | PCB-86 | 24 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |
| .61XXRECSTOCK_00003 | 02/03/24 | 11/14/16 | Nonane, Lot SHBD8765V | 10 mL | 61INPCB101LP_00002 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00002 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00002 | 250 uL | PCB-138L | 1000 ng/mL |
| | | | | | 61INPCB180LP_00002 | 250 uL | PCB-180L | 1000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | 61INPCB194LP_00002 | 250 uL | PCB-194L | 1000 ng/mL |
| | | | | | 61INPCB31LP_00002 | 200 uL | PCB-31L | 1000 ng/mL |
| | | | | | 61INPCB32LP_00002 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00002 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00002 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00002 | 02/05/24 | | Cambridge, Lot SDBA-020 | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-008 | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-020 | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |
| ..61INPCB180LP_00002 | 02/05/24 | | Canbridge, Lot SDDD-017 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00002 | 02/05/24 | | Cambridge, Lot SCDF-008 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00002 | 02/03/24 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00002 | 02/05/24 | | Cambridge, Lot SCBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00002 | 02/05/24 | | Cambridge, Lot SDAK-002 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00002 | 02/05/24 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61L21668P_00002** | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61IDSTOCKPCBP_00004 | 100 uL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61SP1668NAT_00002 | 125 uL | PCB-1 | 5 ng/mL |
| | | | | | | | PCB-10 | 5 ng/mL |
| | | | | | | | PCB-100 | 10 ng/mL |
| | | | | | | | PCB-101 | 15 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-102 | 10 ng/mL |
| | | | | | | | PCB-103 | 5 ng/mL |
| | | | | | | | PCB-104 | 5 ng/mL |
| | | | | | | | PCB-105 | 5 ng/mL |
| | | | | | | | PCB-106 | 5 ng/mL |
| | | | | | | | PCB-107 | 5 ng/mL |
| | | | | | | | PCB-108 | 10 ng/mL |
| | | | | | | | PCB-108/124 | 10 ng/mL |
| | | | | | | | PCB-109 | 30 ng/mL |
| | | | | | | | PCB-11 | 5 ng/mL |
| | | | | | | | PCB-110 | 10 ng/mL |
| | | | | | | | PCB-110/115 | 10 ng/mL |
| | | | | | | | PCB-111 | 5 ng/mL |
| | | | | | | | PCB-112 | 5 ng/mL |
| | | | | | | | PCB-113 | 15 ng/mL |
| | | | | | | | PCB-114 | 5 ng/mL |
| | | | | | | | PCB-115 | 10 ng/mL |
| | | | | | | | PCB-116 | 15 ng/mL |
| | | | | | | | PCB-117 | 15 ng/mL |
| | | | | | | | PCB-118 | 5 ng/mL |
| | | | | | | | PCB-119 | 30 ng/mL |
| | | | | | | | PCB-12 | 10 ng/mL |
| | | | | | | | PCB-12/13 | 10 ng/mL |
| | | | | | | | PCB-120 | 5 ng/mL |
| | | | | | | | PCB-121 | 5 ng/mL |
| | | | | | | | PCB-122 | 5 ng/mL |
| | | | | | | | PCB-123 | 5 ng/mL |
| | | | | | | | PCB-124 | 10 ng/mL |
| | | | | | | | PCB-125 | 30 ng/mL |
| | | | | | | | PCB-126 | 5 ng/mL |
| | | | | | | | PCB-127 | 5 ng/mL |
| | | | | | | | PCB-128 | 10 ng/mL |
| | | | | | | | PCB-128/166 | 10 ng/mL |
| | | | | | | | PCB-129 | 20 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 20 ng/mL |
| | | | | | | | PCB-13 | 10 ng/mL |
| | | | | | | | PCB-130 | 5 ng/mL |
| | | | | | | | PCB-131 | 5 ng/mL |
| | | | | | | | PCB-132 | 5 ng/mL |
| | | | | | | | PCB-133 | 5 ng/mL |
| | | | | | | | PCB-134 | 10 ng/mL |
| | | | | | | | PCB-134/143 | 10 ng/mL |
| | | | | | | | PCB-135 | 10 ng/mL |
| | | | | | | | PCB-135/151 | 10 ng/mL |
| | | | | | | | PCB-136 | 5 ng/mL |
| | | | | | | | PCB-137 | 5 ng/mL |
| | | | | | | | PCB-138 | 20 ng/mL |
| | | | | | | | PCB-139 | 10 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-139/140 | 10 ng/mL |
| | | | | | | | PCB-14 | 5 ng/mL |
| | | | | | | | PCB-140 | 10 ng/mL |
| | | | | | | | PCB-141 | 5 ng/mL |
| | | | | | | | PCB-142 | 5 ng/mL |
| | | | | | | | PCB-143 | 10 ng/mL |
| | | | | | | | PCB-144 | 5 ng/mL |
| | | | | | | | PCB-145 | 5 ng/mL |
| | | | | | | | PCB-146 | 5 ng/mL |
| | | | | | | | PCB-147 | 10 ng/mL |
| | | | | | | | PCB-147/149 | 10 ng/mL |
| | | | | | | | PCB-148 | 5 ng/mL |
| | | | | | | | PCB-149 | 10 ng/mL |
| | | | | | | | PCB-15 | 5 ng/mL |
| | | | | | | | PCB-150 | 5 ng/mL |
| | | | | | | | PCB-151 | 10 ng/mL |
| | | | | | | | PCB-152 | 5 ng/mL |
| | | | | | | | PCB-153 | 10 ng/mL |
| | | | | | | | PCB-153/168 | 10 ng/mL |
| | | | | | | | PCB-154 | 5 ng/mL |
| | | | | | | | PCB-155 | 5 ng/mL |
| | | | | | | | PCB-156 | 10 ng/mL |
| | | | | | | | PCB-156/157 | 10 ng/mL |
| | | | | | | | PCB-157 | 10 ng/mL |
| | | | | | | | PCB-158 | 5 ng/mL |
| | | | | | | | PCB-159 | 5 ng/mL |
| | | | | | | | PCB-16 | 5 ng/mL |
| | | | | | | | PCB-160 | 20 ng/mL |
| | | | | | | | PCB-161 | 5 ng/mL |
| | | | | | | | PCB-162 | 5 ng/mL |
| | | | | | | | PCB-163 | 20 ng/mL |
| | | | | | | | PCB-164 | 5 ng/mL |
| | | | | | | | PCB-165 | 5 ng/mL |
| | | | | | | | PCB-166 | 10 ng/mL |
| | | | | | | | PCB-167 | 5 ng/mL |
| | | | | | | | PCB-168 | 10 ng/mL |
| | | | | | | | PCB-169 | 5 ng/mL |
| | | | | | | | PCB-17 | 5 ng/mL |
| | | | | | | | PCB-170 | 5 ng/mL |
| | | | | | | | PCB-171 | 10 ng/mL |
| | | | | | | | PCB-171/173 | 10 ng/mL |
| | | | | | | | PCB-172 | 5 ng/mL |
| | | | | | | | PCB-173 | 10 ng/mL |
| | | | | | | | PCB-174 | 5 ng/mL |
| | | | | | | | PCB-175 | 5 ng/mL |
| | | | | | | | PCB-176 | 5 ng/mL |
| | | | | | | | PCB-177 | 5 ng/mL |
| | | | | | | | PCB-178 | 5 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-179 | 5 ng/mL |
| | | | | | | | PCB-18 | 10 ng/mL |
| | | | | | | | PCB-18/30 | 10 ng/mL |
| | | | | | | | PCB-180 | 10 ng/mL |
| | | | | | | | PCB-180/193 | 10 ng/mL |
| | | | | | | | PCB-181 | 5 ng/mL |
| | | | | | | | PCB-182 | 5 ng/mL |
| | | | | | | | PCB-183 | 10 ng/mL |
| | | | | | | | PCB-183/185 | 10 ng/mL |
| | | | | | | | PCB-184 | 5 ng/mL |
| | | | | | | | PCB-185 | 10 ng/mL |
| | | | | | | | PCB-186 | 5 ng/mL |
| | | | | | | | PCB-187 | 5 ng/mL |
| | | | | | | | PCB-188 | 5 ng/mL |
| | | | | | | | PCB-189 | 5 ng/mL |
| | | | | | | | PCB-19 | 5 ng/mL |
| | | | | | | | PCB-190 | 5 ng/mL |
| | | | | | | | PCB-191 | 5 ng/mL |
| | | | | | | | PCB-192 | 5 ng/mL |
| | | | | | | | PCB-193 | 10 ng/mL |
| | | | | | | | PCB-194 | 5 ng/mL |
| | | | | | | | PCB-195 | 5 ng/mL |
| | | | | | | | PCB-196 | 5 ng/mL |
| | | | | | | | PCB-197 | 5 ng/mL |
| | | | | | | | PCB-198 | 10 ng/mL |
| | | | | | | | PCB-198/199 | 10 ng/mL |
| | | | | | | | PCB-199 | 10 ng/mL |
| | | | | | | | PCB-2 | 5 ng/mL |
| | | | | | | | PCB-20 | 10 ng/mL |
| | | | | | | | PCB-20/28 | 10 ng/mL |
| | | | | | | | PCB-200 | 5 ng/mL |
| | | | | | | | PCB-201 | 5 ng/mL |
| | | | | | | | PCB-202 | 5 ng/mL |
| | | | | | | | PCB-203 | 5 ng/mL |
| | | | | | | | PCB-204 | 5 ng/mL |
| | | | | | | | PCB-205 | 5 ng/mL |
| | | | | | | | PCB-206 | 5 ng/mL |
| | | | | | | | PCB-207 | 5 ng/mL |
| | | | | | | | PCB-208 | 5 ng/mL |
| | | | | | | | PCB-209 | 5 ng/mL |
| | | | | | | | PCB-21 | 10 ng/mL |
| | | | | | | | PCB-21/33 | 10 ng/mL |
| | | | | | | | PCB-22 | 5 ng/mL |
| | | | | | | | PCB-23 | 5 ng/mL |
| | | | | | | | PCB-24 | 5 ng/mL |
| | | | | | | | PCB-25 | 5 ng/mL |
| | | | | | | | PCB-26 | 10 ng/mL |
| | | | | | | | PCB-26/29 | 10 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-27 | 5 ng/mL |
| | | | | | | | PCB-28 | 10 ng/mL |
| | | | | | | | PCB-29 | 10 ng/mL |
| | | | | | | | PCB-3 | 5 ng/mL |
| | | | | | | | PCB-30 | 10 ng/mL |
| | | | | | | | PCB-31 | 5 ng/mL |
| | | | | | | | PCB-32 | 5 ng/mL |
| | | | | | | | PCB-33 | 10 ng/mL |
| | | | | | | | PCB-34 | 5 ng/mL |
| | | | | | | | PCB-35 | 5 ng/mL |
| | | | | | | | PCB-36 | 5 ng/mL |
| | | | | | | | PCB-37 | 5 ng/mL |
| | | | | | | | PCB-38 | 5 ng/mL |
| | | | | | | | PCB-39 | 5 ng/mL |
| | | | | | | | PCB-4 | 5 ng/mL |
| | | | | | | | PCB-40 | 15 ng/mL |
| | | | | | | | PCB-40/41/71 | 15 ng/mL |
| | | | | | | | PCB-41 | 15 ng/mL |
| | | | | | | | PCB-42 | 5 ng/mL |
| | | | | | | | PCB-43 | 10 ng/mL |
| | | | | | | | PCB-43/73 | 10 ng/mL |
| | | | | | | | PCB-44 | 15 ng/mL |
| | | | | | | | PCB-44/47/65 | 15 ng/mL |
| | | | | | | | PCB-45 | 10 ng/mL |
| | | | | | | | PCB-45/51 | 10 ng/mL |
| | | | | | | | PCB-46 | 5 ng/mL |
| | | | | | | | PCB-47 | 15 ng/mL |
| | | | | | | | PCB-48 | 5 ng/mL |
| | | | | | | | PCB-49 | 10 ng/mL |
| | | | | | | | PCB-49/69 | 10 ng/mL |
| | | | | | | | PCB-5 | 5 ng/mL |
| | | | | | | | PCB-50 | 10 ng/mL |
| | | | | | | | PCB-50/53 | 10 ng/mL |
| | | | | | | | PCB-51 | 10 ng/mL |
| | | | | | | | PCB-52 | 5 ng/mL |
| | | | | | | | PCB-53 | 10 ng/mL |
| | | | | | | | PCB-54 | 5 ng/mL |
| | | | | | | | PCB-55 | 5 ng/mL |
| | | | | | | | PCB-56 | 5 ng/mL |
| | | | | | | | PCB-57 | 5 ng/mL |
| | | | | | | | PCB-58 | 5 ng/mL |
| | | | | | | | PCB-59 | 15 ng/mL |
| | | | | | | | PCB-59/62/75 | 15 ng/mL |
| | | | | | | | PCB-6 | 5 ng/mL |
| | | | | | | | PCB-60 | 5 ng/mL |
| | | | | | | | PCB-61 | 20 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 20 ng/mL |
| | | | | | | | PCB-62 | 15 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-63 | 5 ng/mL |
| | | | | | | | PCB-64 | 5 ng/mL |
| | | | | | | | PCB-65 | 15 ng/mL |
| | | | | | | | PCB-66 | 5 ng/mL |
| | | | | | | | PCB-67 | 5 ng/mL |
| | | | | | | | PCB-68 | 5 ng/mL |
| | | | | | | | PCB-69 | 10 ng/mL |
| | | | | | | | PCB-7 | 5 ng/mL |
| | | | | | | | PCB-70 | 20 ng/mL |
| | | | | | | | PCB-71 | 15 ng/mL |
| | | | | | | | PCB-72 | 5 ng/mL |
| | | | | | | | PCB-73 | 10 ng/mL |
| | | | | | | | PCB-74 | 20 ng/mL |
| | | | | | | | PCB-75 | 15 ng/mL |
| | | | | | | | PCB-76 | 20 ng/mL |
| | | | | | | | PCB-77 | 5 ng/mL |
| | | | | | | | PCB-78 | 5 ng/mL |
| | | | | | | | PCB-79 | 5 ng/mL |
| | | | | | | | PCB-8 | 5 ng/mL |
| | | | | | | | PCB-80 | 5 ng/mL |
| | | | | | | | PCB-81 | 5 ng/mL |
| | | | | | | | PCB-82 | 5 ng/mL |
| | | | | | | | PCB-83 | 10 ng/mL |
| | | | | | | | PCB-83/99 | 10 ng/mL |
| | | | | | | | PCB-84 | 5 ng/mL |
| | | | | | | | PCB-85 | 15 ng/mL |
| | | | | | | | PCB-85/116/117 | 15 ng/mL |
| | | | | | | | PCB-86 | 30 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 30 ng/mL |
| | | | | | | | PCB-87 | 30 ng/mL |
| | | | | | | | PCB-88 | 10 ng/mL |
| | | | | | | | PCB-88/91 | 10 ng/mL |
| | | | | | | | PCB-89 | 5 ng/mL |
| | | | | | | | PCB-9 | 5 ng/mL |
| | | | | | | | PCB-90 | 15 ng/mL |
| | | | | | | | PCB-90/101/113 | 15 ng/mL |
| | | | | | | | PCB-91 | 10 ng/mL |
| | | | | | | | PCB-92 | 5 ng/mL |
| | | | | | | | PCB-93 | 10 ng/mL |
| | | | | | | | PCB-93/100 | 10 ng/mL |
| | | | | | | | PCB-94 | 5 ng/mL |
| | | | | | | | PCB-95 | 5 ng/mL |
| | | | | | | | PCB-96 | 5 ng/mL |
| | | | | | | | PCB-97 | 30 ng/mL |
| | | | | | | | PCB-98 | 10 ng/mL |
| | | | | | | | PCB-98/102 | 10 ng/mL |
| | | | | | | | PCB-99 | 10 ng/mL |
| | | | | | 61XXCSSTOCKP_00002 | 1 uL | PCB-111L | 5 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-178L | 5 ng/mL |
| | | | | | | | PCB-28L | 5 ng/mL |
| | | | | | 61XXFS1668P_00002 | 1 uL | PCB-153L | 5 ng/mL |
| | | | | | | | PCB-79L | 5 ng/mL |
| | | | | | | | PCB-8L | 5 ng/mL |
| | | | | | | | PCB-95L | 5 ng/mL |
| | | | | | 61XXRECSTOCK_00003 | 100 uL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |
| .61IDSTOCKPCBP_00004 | 10/08/24 | 06/20/16 | Nonane, Lot SHBC8566V | 25 mL | 61INISPCB170P_00001 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00001 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00001 | 10/08/24 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00001 | 10/08/24 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61SP1668NAT_00002 | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61MXALL209P_00004 | 10 uL | PCB-1 | 40 ng/mL |
| | | | | | | | PCB-10 | 40 ng/mL |
| | | | | | | | PCB-100 | 80 ng/mL |
| | | | | | | | PCB-101 | 120 ng/mL |
| | | | | | | | PCB-102 | 80 ng/mL |
| | | | | | | | PCB-103 | 40 ng/mL |
| | | | | | | | PCB-104 | 40 ng/mL |
| | | | | | | | PCB-105 | 40 ng/mL |
| | | | | | | | PCB-106 | 40 ng/mL |
| | | | | | | | PCB-107 | 40 ng/mL |
| | | | | | | | PCB-108 | 80 ng/mL |
| | | | | | | | PCB-108/124 | 80 ng/mL |
| | | | | | | | PCB-109 | 240 ng/mL |
| | | | | | | | PCB-11 | 40 ng/mL |
| | | | | | | | PCB-110 | 80 ng/mL |
| | | | | | | | PCB-110/115 | 80 ng/mL |
| | | | | | | | PCB-111 | 40 ng/mL |
| | | | | | | | PCB-112 | 40 ng/mL |
| | | | | | | | PCB-113 | 120 ng/mL |
| | | | | | | | PCB-114 | 40 ng/mL |
| | | | | | | | PCB-115 | 80 ng/mL |
| | | | | | | | PCB-116 | 120 ng/mL |
| | | | | | | | PCB-117 | 120 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-118 | 40 ng/mL |
| | | | | | | | PCB-119 | 240 ng/mL |
| | | | | | | | PCB-12 | 80 ng/mL |
| | | | | | | | PCB-12/13 | 80 ng/mL |
| | | | | | | | PCB-120 | 40 ng/mL |
| | | | | | | | PCB-121 | 40 ng/mL |
| | | | | | | | PCB-122 | 40 ng/mL |
| | | | | | | | PCB-123 | 40 ng/mL |
| | | | | | | | PCB-124 | 80 ng/mL |
| | | | | | | | PCB-125 | 240 ng/mL |
| | | | | | | | PCB-126 | 40 ng/mL |
| | | | | | | | PCB-127 | 40 ng/mL |
| | | | | | | | PCB-128 | 80 ng/mL |
| | | | | | | | PCB-128/166 | 80 ng/mL |
| | | | | | | | PCB-129 | 160 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 160 ng/mL |
| | | | | | | | PCB-13 | 80 ng/mL |
| | | | | | | | PCB-130 | 40 ng/mL |
| | | | | | | | PCB-131 | 40 ng/mL |
| | | | | | | | PCB-132 | 40 ng/mL |
| | | | | | | | PCB-133 | 40 ng/mL |
| | | | | | | | PCB-134 | 80 ng/mL |
| | | | | | | | PCB-134/143 | 80 ng/mL |
| | | | | | | | PCB-135 | 80 ng/mL |
| | | | | | | | PCB-135/151 | 80 ng/mL |
| | | | | | | | PCB-136 | 40 ng/mL |
| | | | | | | | PCB-137 | 40 ng/mL |
| | | | | | | | PCB-138 | 160 ng/mL |
| | | | | | | | PCB-139 | 80 ng/mL |
| | | | | | | | PCB-139/140 | 80 ng/mL |
| | | | | | | | PCB-14 | 40 ng/mL |
| | | | | | | | PCB-140 | 80 ng/mL |
| | | | | | | | PCB-141 | 40 ng/mL |
| | | | | | | | PCB-142 | 40 ng/mL |
| | | | | | | | PCB-143 | 80 ng/mL |
| | | | | | | | PCB-144 | 40 ng/mL |
| | | | | | | | PCB-145 | 40 ng/mL |
| | | | | | | | PCB-146 | 40 ng/mL |
| | | | | | | | PCB-147 | 80 ng/mL |
| | | | | | | | PCB-147/149 | 80 ng/mL |
| | | | | | | | PCB-148 | 40 ng/mL |
| | | | | | | | PCB-149 | 80 ng/mL |
| | | | | | | | PCB-15 | 40 ng/mL |
| | | | | | | | PCB-150 | 40 ng/mL |
| | | | | | | | PCB-151 | 80 ng/mL |
| | | | | | | | PCB-152 | 40 ng/mL |
| | | | | | | | PCB-153 | 80 ng/mL |
| | | | | | | | PCB-153/168 | 80 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-154 | 40 ng/mL |
| | | | | | | | PCB-155 | 40 ng/mL |
| | | | | | | | PCB-156 | 80 ng/mL |
| | | | | | | | PCB-156/157 | 80 ng/mL |
| | | | | | | | PCB-157 | 80 ng/mL |
| | | | | | | | PCB-158 | 40 ng/mL |
| | | | | | | | PCB-159 | 40 ng/mL |
| | | | | | | | PCB-16 | 40 ng/mL |
| | | | | | | | PCB-160 | 160 ng/mL |
| | | | | | | | PCB-161 | 40 ng/mL |
| | | | | | | | PCB-162 | 40 ng/mL |
| | | | | | | | PCB-163 | 160 ng/mL |
| | | | | | | | PCB-164 | 40 ng/mL |
| | | | | | | | PCB-165 | 40 ng/mL |
| | | | | | | | PCB-166 | 80 ng/mL |
| | | | | | | | PCB-167 | 40 ng/mL |
| | | | | | | | PCB-168 | 80 ng/mL |
| | | | | | | | PCB-169 | 40 ng/mL |
| | | | | | | | PCB-17 | 40 ng/mL |
| | | | | | | | PCB-170 | 40 ng/mL |
| | | | | | | | PCB-171 | 80 ng/mL |
| | | | | | | | PCB-171/173 | 80 ng/mL |
| | | | | | | | PCB-172 | 40 ng/mL |
| | | | | | | | PCB-173 | 80 ng/mL |
| | | | | | | | PCB-174 | 40 ng/mL |
| | | | | | | | PCB-175 | 40 ng/mL |
| | | | | | | | PCB-176 | 40 ng/mL |
| | | | | | | | PCB-177 | 40 ng/mL |
| | | | | | | | PCB-178 | 40 ng/mL |
| | | | | | | | PCB-179 | 40 ng/mL |
| | | | | | | | PCB-18 | 80 ng/mL |
| | | | | | | | PCB-18/30 | 80 ng/mL |
| | | | | | | | PCB-180 | 80 ng/mL |
| | | | | | | | PCB-180/193 | 80 ng/mL |
| | | | | | | | PCB-181 | 40 ng/mL |
| | | | | | | | PCB-182 | 40 ng/mL |
| | | | | | | | PCB-183 | 80 ng/mL |
| | | | | | | | PCB-183/185 | 80 ng/mL |
| | | | | | | | PCB-184 | 40 ng/mL |
| | | | | | | | PCB-185 | 80 ng/mL |
| | | | | | | | PCB-186 | 40 ng/mL |
| | | | | | | | PCB-187 | 40 ng/mL |
| | | | | | | | PCB-188 | 40 ng/mL |
| | | | | | | | PCB-189 | 40 ng/mL |
| | | | | | | | PCB-19 | 40 ng/mL |
| | | | | | | | PCB-190 | 40 ng/mL |
| | | | | | | | PCB-191 | 40 ng/mL |
| | | | | | | | PCB-192 | 40 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-193 | 80 ng/mL |
| | | | | | | | PCB-194 | 40 ng/mL |
| | | | | | | | PCB-195 | 40 ng/mL |
| | | | | | | | PCB-196 | 40 ng/mL |
| | | | | | | | PCB-197 | 40 ng/mL |
| | | | | | | | PCB-198 | 80 ng/mL |
| | | | | | | | PCB-198/199 | 80 ng/mL |
| | | | | | | | PCB-199 | 80 ng/mL |
| | | | | | | | PCB-2 | 40 ng/mL |
| | | | | | | | PCB-20 | 80 ng/mL |
| | | | | | | | PCB-20/28 | 80 ng/mL |
| | | | | | | | PCB-200 | 40 ng/mL |
| | | | | | | | PCB-201 | 40 ng/mL |
| | | | | | | | PCB-202 | 40 ng/mL |
| | | | | | | | PCB-203 | 40 ng/mL |
| | | | | | | | PCB-204 | 40 ng/mL |
| | | | | | | | PCB-205 | 40 ng/mL |
| | | | | | | | PCB-206 | 40 ng/mL |
| | | | | | | | PCB-207 | 40 ng/mL |
| | | | | | | | PCB-208 | 40 ng/mL |
| | | | | | | | PCB-209 | 40 ng/mL |
| | | | | | | | PCB-21 | 80 ng/mL |
| | | | | | | | PCB-21/33 | 80 ng/mL |
| | | | | | | | PCB-22 | 40 ng/mL |
| | | | | | | | PCB-23 | 40 ng/mL |
| | | | | | | | PCB-24 | 40 ng/mL |
| | | | | | | | PCB-25 | 40 ng/mL |
| | | | | | | | PCB-26 | 80 ng/mL |
| | | | | | | | PCB-26/29 | 80 ng/mL |
| | | | | | | | PCB-27 | 40 ng/mL |
| | | | | | | | PCB-28 | 80 ng/mL |
| | | | | | | | PCB-29 | 80 ng/mL |
| | | | | | | | PCB-3 | 40 ng/mL |
| | | | | | | | PCB-30 | 80 ng/mL |
| | | | | | | | PCB-31 | 40 ng/mL |
| | | | | | | | PCB-32 | 40 ng/mL |
| | | | | | | | PCB-33 | 80 ng/mL |
| | | | | | | | PCB-34 | 40 ng/mL |
| | | | | | | | PCB-35 | 40 ng/mL |
| | | | | | | | PCB-36 | 40 ng/mL |
| | | | | | | | PCB-37 | 40 ng/mL |
| | | | | | | | PCB-38 | 40 ng/mL |
| | | | | | | | PCB-39 | 40 ng/mL |
| | | | | | | | PCB-4 | 40 ng/mL |
| | | | | | | | PCB-40 | 120 ng/mL |
| | | | | | | | PCB-40/41/71 | 120 ng/mL |
| | | | | | | | PCB-41 | 120 ng/mL |
| | | | | | | | PCB-42 | 40 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-43 | 80 ng/mL |
| | | | | | | | PCB-43/73 | 80 ng/mL |
| | | | | | | | PCB-44 | 120 ng/mL |
| | | | | | | | PCB-44/47/65 | 120 ng/mL |
| | | | | | | | PCB-45 | 80 ng/mL |
| | | | | | | | PCB-45/51 | 80 ng/mL |
| | | | | | | | PCB-46 | 40 ng/mL |
| | | | | | | | PCB-47 | 120 ng/mL |
| | | | | | | | PCB-48 | 40 ng/mL |
| | | | | | | | PCB-49 | 80 ng/mL |
| | | | | | | | PCB-49/69 | 80 ng/mL |
| | | | | | | | PCB-5 | 40 ng/mL |
| | | | | | | | PCB-50 | 80 ng/mL |
| | | | | | | | PCB-50/53 | 80 ng/mL |
| | | | | | | | PCB-51 | 80 ng/mL |
| | | | | | | | PCB-52 | 40 ng/mL |
| | | | | | | | PCB-53 | 80 ng/mL |
| | | | | | | | PCB-54 | 40 ng/mL |
| | | | | | | | PCB-55 | 40 ng/mL |
| | | | | | | | PCB-56 | 40 ng/mL |
| | | | | | | | PCB-57 | 40 ng/mL |
| | | | | | | | PCB-58 | 40 ng/mL |
| | | | | | | | PCB-59 | 120 ng/mL |
| | | | | | | | PCB-59/62/75 | 120 ng/mL |
| | | | | | | | PCB-6 | 40 ng/mL |
| | | | | | | | PCB-60 | 40 ng/mL |
| | | | | | | | PCB-61 | 160 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 160 ng/mL |
| | | | | | | | PCB-62 | 120 ng/mL |
| | | | | | | | PCB-63 | 40 ng/mL |
| | | | | | | | PCB-64 | 40 ng/mL |
| | | | | | | | PCB-65 | 120 ng/mL |
| | | | | | | | PCB-66 | 40 ng/mL |
| | | | | | | | PCB-67 | 40 ng/mL |
| | | | | | | | PCB-68 | 40 ng/mL |
| | | | | | | | PCB-69 | 80 ng/mL |
| | | | | | | | PCB-7 | 40 ng/mL |
| | | | | | | | PCB-70 | 160 ng/mL |
| | | | | | | | PCB-71 | 120 ng/mL |
| | | | | | | | PCB-72 | 40 ng/mL |
| | | | | | | | PCB-73 | 80 ng/mL |
| | | | | | | | PCB-74 | 160 ng/mL |
| | | | | | | | PCB-75 | 120 ng/mL |
| | | | | | | | PCB-76 | 160 ng/mL |
| | | | | | | | PCB-77 | 40 ng/mL |
| | | | | | | | PCB-78 | 40 ng/mL |
| | | | | | | | PCB-79 | 40 ng/mL |
| | | | | | | | PCB-8 | 40 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-80 | 40 ng/mL |
| | | | | | | | PCB-81 | 40 ng/mL |
| | | | | | | | PCB-82 | 40 ng/mL |
| | | | | | | | PCB-83 | 80 ng/mL |
| | | | | | | | PCB-83/99 | 80 ng/mL |
| | | | | | | | PCB-84 | 40 ng/mL |
| | | | | | | | PCB-85 | 120 ng/mL |
| | | | | | | | PCB-85/116/117 | 120 ng/mL |
| | | | | | | | PCB-86 | 240 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 240 ng/mL |
| | | | | | | | PCB-87 | 240 ng/mL |
| | | | | | | | PCB-88 | 80 ng/mL |
| | | | | | | | PCB-88/91 | 80 ng/mL |
| | | | | | | | PCB-89 | 40 ng/mL |
| | | | | | | | PCB-9 | 40 ng/mL |
| | | | | | | | PCB-90 | 120 ng/mL |
| | | | | | | | PCB-90/101/113 | 120 ng/mL |
| | | | | | | | PCB-91 | 80 ng/mL |
| | | | | | | | PCB-92 | 40 ng/mL |
| | | | | | | | PCB-93 | 80 ng/mL |
| | | | | | | | PCB-93/100 | 80 ng/mL |
| | | | | | | | PCB-94 | 40 ng/mL |
| | | | | | | | PCB-95 | 40 ng/mL |
| | | | | | | | PCB-96 | 40 ng/mL |
| | | | | | | | PCB-97 | 240 ng/mL |
| | | | | | | | PCB-98 | 80 ng/mL |
| | | | | | | | PCB-98/102 | 80 ng/mL |
| | | | | | | | PCB-99 | 80 ng/mL |
| ..61MXALL209P_00004 | 09/17/19 | AccuStandard, Lot 209091190 | | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |
| | | | | | | | PCB-124 | 8 ug/mL |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |
| | | | | | | | PCB-160 | 16 ug/mL |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |
| | | | | | | | PCB-2 | 4 ug/mL |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |
| | | | | | | | PCB-48 | 4 ug/mL |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |
| | | | | | | | PCB-86 | 24 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |
| .61XXCSSTOCKP_00002 | 06/22/20 | 09/15/16 | Nonane, Lot SHBD8765V | 4 mL | 61INPCB111LP_00002 | 0.5 mL | PCB-111L | 5000 ng/mL |
| | | | | | 61INPCB178LP_00002 | 0.5 mL | PCB-178L | 5000 ng/mL |
| | | | | | 61INPCB28LP_00002 | 0.5 mL | PCB-28L | 5000 ng/mL |
| ..61INPCB111LP_00002 | 06/22/20 | | Cambridge, Lot SCJF-004 | | (Purchased Reagent) | | PCB-111L | 40 ug/mL |
| ..61INPCB178LP_00002 | 06/22/20 | | Cambridge, Lot SCHJ-007 | | (Purchased Reagent) | | PCB-178L | 40 ug/mL |
| ..61INPCB28LP_00002 | 06/22/20 | | Cambridge, Lot SCGL-005 | | (Purchased Reagent) | | PCB-28L | 40 ug/mL |
| .61XXFS1668P_00002 | 05/05/20 | 03/28/16 | Nonane, Lot SHBD8765V | 3 mL | 61INPCB153LP_00002 | 0.375 mL | PCB-153L | 5000 ng/mL |
| | | | | | 61INPCB79LP_00002 | 0.375 mL | PCB-79L | 5000 ng/mL |
| | | | | | 61INPCB8LP_00002 | 0.375 mL | PCB-8L | 5000 ng/mL |
| | | | | | 61INPCB95LP_00002 | 0.3 mL | PCB-95L | 5000 ng/mL |
| ..61INPCB153LP_00002 | 05/05/20 | | Cambridge, Lot SCHB-017 | | (Purchased Reagent) | | PCB-153L | 40 ug/mL |
| ..61INPCB79LP_00002 | 05/05/20 | | Cambridge, Lot SCBH-001 | | (Purchased Reagent) | | PCB-79L | 40 ug/mL |
| ..61INPCB8LP_00002 | 05/05/20 | | Cambridge, Lot SCCC-016 | | (Purchased Reagent) | | PCB-8L | 40 ug/mL |
| ..61INPCB95LP_00002 | 05/05/20 | | Wellington, Lot MB0950206 | | (Purchased Reagent) | | PCB-95L | 50 ug/mL |
| .61XXRECSTOCK_00003 | 02/03/24 | 11/14/16 | Nonane, Lot SHBD8765V | 10 mL | 61INPCB101LP_00002 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00002 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00002 | 250 uL | PCB-138L | 1000 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | 61INPCB180LP_00002 | 250 uL | PCB-180L | 1000 ng/mL |
| | | | | | 61INPCB194LP_00002 | 250 uL | PCB-194L | 1000 ng/mL |
| | | | | | 61INPCB31LP_00002 | 200 uL | PCB-31L | 1000 ng/mL |
| | | | | | 61INPCB32LP_00002 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00002 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00002 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00002 | 02/05/24 | | Cambridge, Lot SDBA-020 | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-008 | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-020 | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |
| ..61INPCB180LP_00002 | 02/05/24 | | Canbridge, Lot SDDD-017 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00002 | 02/05/24 | | Cambridge, Lot SCDF-008 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00002 | 02/03/24 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00002 | 02/05/24 | | Cambridge, Lot SCBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00002 | 02/05/24 | | Cambridge, Lot SDAK-002 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00002 | 02/05/24 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61L41668P_00002** | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61IDSTOCKPCBP_00004 | 100 uL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61MXALL209P_00004 | 100 uL | PCB-1 | 400 ng/mL |
| | | | | | | | PCB-10 | 400 ng/mL |
| | | | | | | | PCB-100 | 800 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-101 | 1200 ng/mL |
| | | | | | | | PCB-102 | 800 ng/mL |
| | | | | | | | PCB-103 | 400 ng/mL |
| | | | | | | | PCB-104 | 400 ng/mL |
| | | | | | | | PCB-105 | 400 ng/mL |
| | | | | | | | PCB-106 | 400 ng/mL |
| | | | | | | | PCB-107 | 400 ng/mL |
| | | | | | | | PCB-108 | 800 ng/mL |
| | | | | | | | PCB-108/124 | 800 ng/mL |
| | | | | | | | PCB-109 | 2400 ng/mL |
| | | | | | | | PCB-11 | 400 ng/mL |
| | | | | | | | PCB-110 | 800 ng/mL |
| | | | | | | | PCB-110/115 | 800 ng/mL |
| | | | | | | | PCB-111 | 400 ng/mL |
| | | | | | | | PCB-112 | 400 ng/mL |
| | | | | | | | PCB-113 | 1200 ng/mL |
| | | | | | | | PCB-114 | 400 ng/mL |
| | | | | | | | PCB-115 | 800 ng/mL |
| | | | | | | | PCB-116 | 1200 ng/mL |
| | | | | | | | PCB-117 | 1200 ng/mL |
| | | | | | | | PCB-118 | 400 ng/mL |
| | | | | | | | PCB-119 | 2400 ng/mL |
| | | | | | | | PCB-12 | 800 ng/mL |
| | | | | | | | PCB-12/13 | 800 ng/mL |
| | | | | | | | PCB-120 | 400 ng/mL |
| | | | | | | | PCB-121 | 400 ng/mL |
| | | | | | | | PCB-122 | 400 ng/mL |
| | | | | | | | PCB-123 | 400 ng/mL |
| | | | | | | | PCB-124 | 800 ng/mL |
| | | | | | | | PCB-125 | 2400 ng/mL |
| | | | | | | | PCB-126 | 400 ng/mL |
| | | | | | | | PCB-127 | 400 ng/mL |
| | | | | | | | PCB-128 | 800 ng/mL |
| | | | | | | | PCB-128/166 | 800 ng/mL |
| | | | | | | | PCB-129 | 1600 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 1600 ng/mL |
| | | | | | | | PCB-13 | 800 ng/mL |
| | | | | | | | PCB-130 | 400 ng/mL |
| | | | | | | | PCB-131 | 400 ng/mL |
| | | | | | | | PCB-132 | 400 ng/mL |
| | | | | | | | PCB-133 | 400 ng/mL |
| | | | | | | | PCB-134 | 800 ng/mL |
| | | | | | | | PCB-134/143 | 800 ng/mL |
| | | | | | | | PCB-135 | 800 ng/mL |
| | | | | | | | PCB-135/151 | 800 ng/mL |
| | | | | | | | PCB-136 | 400 ng/mL |
| | | | | | | | PCB-137 | 400 ng/mL |
| | | | | | | | PCB-138 | 1600 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-139 | 800 ng/mL |
| | | | | | | | PCB-139/140 | 800 ng/mL |
| | | | | | | | PCB-14 | 400 ng/mL |
| | | | | | | | PCB-140 | 800 ng/mL |
| | | | | | | | PCB-141 | 400 ng/mL |
| | | | | | | | PCB-142 | 400 ng/mL |
| | | | | | | | PCB-143 | 800 ng/mL |
| | | | | | | | PCB-144 | 400 ng/mL |
| | | | | | | | PCB-145 | 400 ng/mL |
| | | | | | | | PCB-146 | 400 ng/mL |
| | | | | | | | PCB-147 | 800 ng/mL |
| | | | | | | | PCB-147/149 | 800 ng/mL |
| | | | | | | | PCB-148 | 400 ng/mL |
| | | | | | | | PCB-149 | 800 ng/mL |
| | | | | | | | PCB-15 | 400 ng/mL |
| | | | | | | | PCB-150 | 400 ng/mL |
| | | | | | | | PCB-151 | 800 ng/mL |
| | | | | | | | PCB-152 | 400 ng/mL |
| | | | | | | | PCB-153 | 800 ng/mL |
| | | | | | | | PCB-153/168 | 800 ng/mL |
| | | | | | | | PCB-154 | 400 ng/mL |
| | | | | | | | PCB-155 | 400 ng/mL |
| | | | | | | | PCB-156 | 800 ng/mL |
| | | | | | | | PCB-156/157 | 800 ng/mL |
| | | | | | | | PCB-157 | 800 ng/mL |
| | | | | | | | PCB-158 | 400 ng/mL |
| | | | | | | | PCB-159 | 400 ng/mL |
| | | | | | | | PCB-16 | 400 ng/mL |
| | | | | | | | PCB-160 | 1600 ng/mL |
| | | | | | | | PCB-161 | 400 ng/mL |
| | | | | | | | PCB-162 | 400 ng/mL |
| | | | | | | | PCB-163 | 1600 ng/mL |
| | | | | | | | PCB-164 | 400 ng/mL |
| | | | | | | | PCB-165 | 400 ng/mL |
| | | | | | | | PCB-166 | 800 ng/mL |
| | | | | | | | PCB-167 | 400 ng/mL |
| | | | | | | | PCB-168 | 800 ng/mL |
| | | | | | | | PCB-169 | 400 ng/mL |
| | | | | | | | PCB-17 | 400 ng/mL |
| | | | | | | | PCB-170 | 400 ng/mL |
| | | | | | | | PCB-171 | 800 ng/mL |
| | | | | | | | PCB-171/173 | 800 ng/mL |
| | | | | | | | PCB-172 | 400 ng/mL |
| | | | | | | | PCB-173 | 800 ng/mL |
| | | | | | | | PCB-174 | 400 ng/mL |
| | | | | | | | PCB-175 | 400 ng/mL |
| | | | | | | | PCB-176 | 400 ng/mL |
| | | | | | | | PCB-177 | 400 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-178 | 400 ng/mL |
| | | | | | | | PCB-179 | 400 ng/mL |
| | | | | | | | PCB-18 | 800 ng/mL |
| | | | | | | | PCB-18/30 | 800 ng/mL |
| | | | | | | | PCB-180 | 800 ng/mL |
| | | | | | | | PCB-180/193 | 800 ng/mL |
| | | | | | | | PCB-181 | 400 ng/mL |
| | | | | | | | PCB-182 | 400 ng/mL |
| | | | | | | | PCB-183 | 800 ng/mL |
| | | | | | | | PCB-183/185 | 800 ng/mL |
| | | | | | | | PCB-184 | 400 ng/mL |
| | | | | | | | PCB-185 | 800 ng/mL |
| | | | | | | | PCB-186 | 400 ng/mL |
| | | | | | | | PCB-187 | 400 ng/mL |
| | | | | | | | PCB-188 | 400 ng/mL |
| | | | | | | | PCB-189 | 400 ng/mL |
| | | | | | | | PCB-19 | 400 ng/mL |
| | | | | | | | PCB-190 | 400 ng/mL |
| | | | | | | | PCB-191 | 400 ng/mL |
| | | | | | | | PCB-192 | 400 ng/mL |
| | | | | | | | PCB-193 | 800 ng/mL |
| | | | | | | | PCB-194 | 400 ng/mL |
| | | | | | | | PCB-195 | 400 ng/mL |
| | | | | | | | PCB-196 | 400 ng/mL |
| | | | | | | | PCB-197 | 400 ng/mL |
| | | | | | | | PCB-198 | 800 ng/mL |
| | | | | | | | PCB-198/199 | 800 ng/mL |
| | | | | | | | PCB-199 | 800 ng/mL |
| | | | | | | | PCB-2 | 400 ng/mL |
| | | | | | | | PCB-20 | 800 ng/mL |
| | | | | | | | PCB-20/28 | 800 ng/mL |
| | | | | | | | PCB-200 | 400 ng/mL |
| | | | | | | | PCB-201 | 400 ng/mL |
| | | | | | | | PCB-202 | 400 ng/mL |
| | | | | | | | PCB-203 | 400 ng/mL |
| | | | | | | | PCB-204 | 400 ng/mL |
| | | | | | | | PCB-205 | 400 ng/mL |
| | | | | | | | PCB-206 | 400 ng/mL |
| | | | | | | | PCB-207 | 400 ng/mL |
| | | | | | | | PCB-208 | 400 ng/mL |
| | | | | | | | PCB-209 | 400 ng/mL |
| | | | | | | | PCB-21 | 800 ng/mL |
| | | | | | | | PCB-21/33 | 800 ng/mL |
| | | | | | | | PCB-22 | 400 ng/mL |
| | | | | | | | PCB-23 | 400 ng/mL |
| | | | | | | | PCB-24 | 400 ng/mL |
| | | | | | | | PCB-25 | 400 ng/mL |
| | | | | | | | PCB-26 | 800 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-26/29 | 800 ng/mL |
| | | | | | | | PCB-27 | 400 ng/mL |
| | | | | | | | PCB-28 | 800 ng/mL |
| | | | | | | | PCB-29 | 800 ng/mL |
| | | | | | | | PCB-3 | 400 ng/mL |
| | | | | | | | PCB-30 | 800 ng/mL |
| | | | | | | | PCB-31 | 400 ng/mL |
| | | | | | | | PCB-32 | 400 ng/mL |
| | | | | | | | PCB-33 | 800 ng/mL |
| | | | | | | | PCB-34 | 400 ng/mL |
| | | | | | | | PCB-35 | 400 ng/mL |
| | | | | | | | PCB-36 | 400 ng/mL |
| | | | | | | | PCB-37 | 400 ng/mL |
| | | | | | | | PCB-38 | 400 ng/mL |
| | | | | | | | PCB-39 | 400 ng/mL |
| | | | | | | | PCB-4 | 400 ng/mL |
| | | | | | | | PCB-40 | 1200 ng/mL |
| | | | | | | | PCB-40/41/71 | 1200 ng/mL |
| | | | | | | | PCB-41 | 1200 ng/mL |
| | | | | | | | PCB-42 | 400 ng/mL |
| | | | | | | | PCB-43 | 800 ng/mL |
| | | | | | | | PCB-43/73 | 800 ng/mL |
| | | | | | | | PCB-44 | 1200 ng/mL |
| | | | | | | | PCB-44/47/65 | 1200 ng/mL |
| | | | | | | | PCB-45 | 800 ng/mL |
| | | | | | | | PCB-45/51 | 800 ng/mL |
| | | | | | | | PCB-46 | 400 ng/mL |
| | | | | | | | PCB-47 | 1200 ng/mL |
| | | | | | | | PCB-48 | 400 ng/mL |
| | | | | | | | PCB-49 | 800 ng/mL |
| | | | | | | | PCB-49/69 | 800 ng/mL |
| | | | | | | | PCB-5 | 400 ng/mL |
| | | | | | | | PCB-50 | 800 ng/mL |
| | | | | | | | PCB-50/53 | 800 ng/mL |
| | | | | | | | PCB-51 | 800 ng/mL |
| | | | | | | | PCB-52 | 400 ng/mL |
| | | | | | | | PCB-53 | 800 ng/mL |
| | | | | | | | PCB-54 | 400 ng/mL |
| | | | | | | | PCB-55 | 400 ng/mL |
| | | | | | | | PCB-56 | 400 ng/mL |
| | | | | | | | PCB-57 | 400 ng/mL |
| | | | | | | | PCB-58 | 400 ng/mL |
| | | | | | | | PCB-59 | 1200 ng/mL |
| | | | | | | | PCB-59/62/75 | 1200 ng/mL |
| | | | | | | | PCB-6 | 400 ng/mL |
| | | | | | | | PCB-60 | 400 ng/mL |
| | | | | | | | PCB-61 | 1600 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 1600 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-62 | 1200 ng/mL |
| | | | | | | | PCB-63 | 400 ng/mL |
| | | | | | | | PCB-64 | 400 ng/mL |
| | | | | | | | PCB-65 | 1200 ng/mL |
| | | | | | | | PCB-66 | 400 ng/mL |
| | | | | | | | PCB-67 | 400 ng/mL |
| | | | | | | | PCB-68 | 400 ng/mL |
| | | | | | | | PCB-69 | 800 ng/mL |
| | | | | | | | PCB-7 | 400 ng/mL |
| | | | | | | | PCB-70 | 1600 ng/mL |
| | | | | | | | PCB-71 | 1200 ng/mL |
| | | | | | | | PCB-72 | 400 ng/mL |
| | | | | | | | PCB-73 | 800 ng/mL |
| | | | | | | | PCB-74 | 1600 ng/mL |
| | | | | | | | PCB-75 | 1200 ng/mL |
| | | | | | | | PCB-76 | 1600 ng/mL |
| | | | | | | | PCB-77 | 400 ng/mL |
| | | | | | | | PCB-78 | 400 ng/mL |
| | | | | | | | PCB-79 | 400 ng/mL |
| | | | | | | | PCB-8 | 400 ng/mL |
| | | | | | | | PCB-80 | 400 ng/mL |
| | | | | | | | PCB-81 | 400 ng/mL |
| | | | | | | | PCB-82 | 400 ng/mL |
| | | | | | | | PCB-83 | 800 ng/mL |
| | | | | | | | PCB-83/99 | 800 ng/mL |
| | | | | | | | PCB-84 | 400 ng/mL |
| | | | | | | | PCB-85 | 1200 ng/mL |
| | | | | | | | PCB-85/116/117 | 1200 ng/mL |
| | | | | | | | PCB-86 | 2400 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 2400 ng/mL |
| | | | | | | | PCB-87 | 2400 ng/mL |
| | | | | | | | PCB-88 | 800 ng/mL |
| | | | | | | | PCB-88/91 | 800 ng/mL |
| | | | | | | | PCB-89 | 400 ng/mL |
| | | | | | | | PCB-9 | 400 ng/mL |
| | | | | | | | PCB-90 | 1200 ng/mL |
| | | | | | | | PCB-90/101/113 | 1200 ng/mL |
| | | | | | | | PCB-91 | 800 ng/mL |
| | | | | | | | PCB-92 | 400 ng/mL |
| | | | | | | | PCB-93 | 800 ng/mL |
| | | | | | | | PCB-93/100 | 800 ng/mL |
| | | | | | | | PCB-94 | 400 ng/mL |
| | | | | | | | PCB-95 | 400 ng/mL |
| | | | | | | | PCB-96 | 400 ng/mL |
| | | | | | | | PCB-97 | 2400 ng/mL |
| | | | | | | | PCB-98 | 800 ng/mL |
| | | | | | | | PCB-98/102 | 800 ng/mL |
| | | | | | | | PCB-99 | 800 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | 61XXCSSTOCKP_00002 | 80 uL | PCB-111L | 400 ng/mL |
| | | | | | | | PCB-178L | 400 ng/mL |
| | | | | | | | PCB-28L | 400 ng/mL |
| | | | | | 61XXFS1668P_00002 | 80 uL | PCB-153L | 400 ng/mL |
| | | | | | | | PCB-79L | 400 ng/mL |
| | | | | | | | PCB-8L | 400 ng/mL |
| | | | | | | | PCB-95L | 400 ng/mL |
| | | | | | 61XXRECSTOCK_00003 | 100 uL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |
| .61IDSTOCKPCBP_00004 | 10/08/24 | 06/20/16 | Nonane, Lot SHBC8566V | 25 mL | 61INISPCB170P_00001 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00001 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00001 | 10/08/24 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00001 | 10/08/24 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61MXALL209P_00004 | 09/17/19 | | AccuStandard, Lot 209091190 | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |
| | | | | | | | PCB-124 | 8 ug/mL |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |
| | | | | | | | PCB-160 | 16 ug/mL |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |
| | | | | | | | PCB-2 | 4 ug/mL |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |
| | | | | | | | PCB-48 | 4 ug/mL |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |
| | | | | | | | PCB-86 | 24 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |
| .61XXCSSTOCKP_00002 | 06/22/20 | 09/15/16 | Nonane, Lot SHBD8765V | 4 mL | 61INPCB111LP_00002 | 0.5 mL | PCB-111L | 5000 ng/mL |
| | | | | | 61INPCB178LP_00002 | 0.5 mL | PCB-178L | 5000 ng/mL |
| | | | | | 61INPCB28LP_00002 | 0.5 mL | PCB-28L | 5000 ng/mL |
| ..61INPCB111LP_00002 | 06/22/20 | | Cambridge, Lot SCJF-004 | | (Purchased Reagent) | | PCB-111L | 40 ug/mL |
| ..61INPCB178LP_00002 | 06/22/20 | | Cambridge, Lot SCHJ-007 | | (Purchased Reagent) | | PCB-178L | 40 ug/mL |
| ..61INPCB28LP_00002 | 06/22/20 | | Cambridge, Lot SCGL-005 | | (Purchased Reagent) | | PCB-28L | 40 ug/mL |
| .61XXFS1668P_00002 | 05/05/20 | 03/28/16 | Nonane, Lot SHBD8765V | 3 mL | 61INPCB153LP_00002 | 0.375 mL | PCB-153L | 5000 ng/mL |
| | | | | | 61INPCB79LP_00002 | 0.375 mL | PCB-79L | 5000 ng/mL |
| | | | | | 61INPCB8LP_00002 | 0.375 mL | PCB-8L | 5000 ng/mL |
| | | | | | 61INPCB95LP_00002 | 0.3 mL | PCB-95L | 5000 ng/mL |
| ..61INPCB153LP_00002 | 05/05/20 | | Cambridge, Lot SCHB-017 | | (Purchased Reagent) | | PCB-153L | 40 ug/mL |
| ..61INPCB79LP_00002 | 05/05/20 | | Cambridge, Lot SCBH-001 | | (Purchased Reagent) | | PCB-79L | 40 ug/mL |
| ..61INPCB8LP_00002 | 05/05/20 | | Cambridge, Lot SCCC-016 | | (Purchased Reagent) | | PCB-8L | 40 ug/mL |
| ..61INPCB95LP_00002 | 05/05/20 | | Wellington, Lot MB0950206 | | (Purchased Reagent) | | PCB-95L | 50 ug/mL |
| .61XXRECSTOCK_00003 | 02/03/24 | 11/14/16 | Nonane, Lot SHBD8765V | 10 mL | 61INPCB101LP_00002 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00002 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00002 | 250 uL | PCB-138L | 1000 ng/mL |
| | | | | | 61INPCB180LP_00002 | 250 uL | PCB-180L | 1000 ng/mL |
| | | | | | 61INPCB194LP_00002 | 250 uL | PCB-194L | 1000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | 61INPCB31LP_00002 | 200 uL | PCB-31L | 1000 ng/mL |
| | | | | | 61INPCB32LP_00002 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00002 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00002 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00002 | 02/05/24 | | Cambridge, Lot SDBA-020 | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-008 | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-020 | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |
| ..61INPCB180LP_00002 | 02/05/24 | | Canbridge, Lot SDDD-017 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00002 | 02/05/24 | | Cambridge, Lot SCDF-008 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00002 | 02/03/24 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00002 | 02/05/24 | | Cambridge, Lot SCBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00002 | 02/05/24 | | Cambridge, Lot SDAK-002 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00002 | 02/05/24 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61L51668P_00002** | 09/17/19 | 01/23/17 | Nonane, Lot SHBH0333V | 1 mL | 61IDSTOCKPCBP_00004 | 100 uL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61MXALL209P_00004 | 500 uL | PCB-1 | 2000 ng/mL |
| | | | | | | | PCB-10 | 2000 ng/mL |
| | | | | | | | PCB-100 | 4000 ng/mL |
| | | | | | | | PCB-101 | 6000 ng/mL |
| | | | | | | | PCB-102 | 4000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-103 | 2000 ng/mL |
| | | | | | | | PCB-104 | 2000 ng/mL |
| | | | | | | | PCB-105 | 2000 ng/mL |
| | | | | | | | PCB-106 | 2000 ng/mL |
| | | | | | | | PCB-107 | 2000 ng/mL |
| | | | | | | | PCB-108 | 4000 ng/mL |
| | | | | | | | PCB-108/124 | 4000 ng/mL |
| | | | | | | | PCB-109 | 12000 ng/mL |
| | | | | | | | PCB-11 | 2000 ng/mL |
| | | | | | | | PCB-110 | 4000 ng/mL |
| | | | | | | | PCB-110/115 | 4000 ng/mL |
| | | | | | | | PCB-111 | 2000 ng/mL |
| | | | | | | | PCB-112 | 2000 ng/mL |
| | | | | | | | PCB-113 | 6000 ng/mL |
| | | | | | | | PCB-114 | 2000 ng/mL |
| | | | | | | | PCB-115 | 4000 ng/mL |
| | | | | | | | PCB-116 | 6000 ng/mL |
| | | | | | | | PCB-117 | 6000 ng/mL |
| | | | | | | | PCB-118 | 2000 ng/mL |
| | | | | | | | PCB-119 | 12000 ng/mL |
| | | | | | | | PCB-12 | 4000 ng/mL |
| | | | | | | | PCB-12/13 | 4000 ng/mL |
| | | | | | | | PCB-120 | 2000 ng/mL |
| | | | | | | | PCB-121 | 2000 ng/mL |
| | | | | | | | PCB-122 | 2000 ng/mL |
| | | | | | | | PCB-123 | 2000 ng/mL |
| | | | | | | | PCB-124 | 4000 ng/mL |
| | | | | | | | PCB-125 | 12000 ng/mL |
| | | | | | | | PCB-126 | 2000 ng/mL |
| | | | | | | | PCB-127 | 2000 ng/mL |
| | | | | | | | PCB-128 | 4000 ng/mL |
| | | | | | | | PCB-128/166 | 4000 ng/mL |
| | | | | | | | PCB-129 | 8000 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 8000 ng/mL |
| | | | | | | | PCB-13 | 4000 ng/mL |
| | | | | | | | PCB-130 | 2000 ng/mL |
| | | | | | | | PCB-131 | 2000 ng/mL |
| | | | | | | | PCB-132 | 2000 ng/mL |
| | | | | | | | PCB-133 | 2000 ng/mL |
| | | | | | | | PCB-134 | 4000 ng/mL |
| | | | | | | | PCB-134/143 | 4000 ng/mL |
| | | | | | | | PCB-135 | 4000 ng/mL |
| | | | | | | | PCB-135/151 | 4000 ng/mL |
| | | | | | | | PCB-136 | 2000 ng/mL |
| | | | | | | | PCB-137 | 2000 ng/mL |
| | | | | | | | PCB-138 | 8000 ng/mL |
| | | | | | | | PCB-139 | 4000 ng/mL |
| | | | | | | | PCB-139/140 | 4000 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-14 | 2000 ng/mL |
| | | | | | | | PCB-140 | 4000 ng/mL |
| | | | | | | | PCB-141 | 2000 ng/mL |
| | | | | | | | PCB-142 | 2000 ng/mL |
| | | | | | | | PCB-143 | 4000 ng/mL |
| | | | | | | | PCB-144 | 2000 ng/mL |
| | | | | | | | PCB-145 | 2000 ng/mL |
| | | | | | | | PCB-146 | 2000 ng/mL |
| | | | | | | | PCB-147 | 4000 ng/mL |
| | | | | | | | PCB-147/149 | 4000 ng/mL |
| | | | | | | | PCB-148 | 2000 ng/mL |
| | | | | | | | PCB-149 | 4000 ng/mL |
| | | | | | | | PCB-15 | 2000 ng/mL |
| | | | | | | | PCB-150 | 2000 ng/mL |
| | | | | | | | PCB-151 | 4000 ng/mL |
| | | | | | | | PCB-152 | 2000 ng/mL |
| | | | | | | | PCB-153 | 4000 ng/mL |
| | | | | | | | PCB-153/168 | 4000 ng/mL |
| | | | | | | | PCB-154 | 2000 ng/mL |
| | | | | | | | PCB-155 | 2000 ng/mL |
| | | | | | | | PCB-156 | 4000 ng/mL |
| | | | | | | | PCB-156/157 | 4000 ng/mL |
| | | | | | | | PCB-157 | 4000 ng/mL |
| | | | | | | | PCB-158 | 2000 ng/mL |
| | | | | | | | PCB-159 | 2000 ng/mL |
| | | | | | | | PCB-16 | 2000 ng/mL |
| | | | | | | | PCB-160 | 8000 ng/mL |
| | | | | | | | PCB-161 | 2000 ng/mL |
| | | | | | | | PCB-162 | 2000 ng/mL |
| | | | | | | | PCB-163 | 8000 ng/mL |
| | | | | | | | PCB-164 | 2000 ng/mL |
| | | | | | | | PCB-165 | 2000 ng/mL |
| | | | | | | | PCB-166 | 4000 ng/mL |
| | | | | | | | PCB-167 | 2000 ng/mL |
| | | | | | | | PCB-168 | 4000 ng/mL |
| | | | | | | | PCB-169 | 2000 ng/mL |
| | | | | | | | PCB-17 | 2000 ng/mL |
| | | | | | | | PCB-170 | 2000 ng/mL |
| | | | | | | | PCB-171 | 4000 ng/mL |
| | | | | | | | PCB-171/173 | 4000 ng/mL |
| | | | | | | | PCB-172 | 2000 ng/mL |
| | | | | | | | PCB-173 | 4000 ng/mL |
| | | | | | | | PCB-174 | 2000 ng/mL |
| | | | | | | | PCB-175 | 2000 ng/mL |
| | | | | | | | PCB-176 | 2000 ng/mL |
| | | | | | | | PCB-177 | 2000 ng/mL |
| | | | | | | | PCB-178 | 2000 ng/mL |
| | | | | | | | PCB-179 | 2000 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-18 | 4000 ng/mL |
| | | | | | | | PCB-18/30 | 4000 ng/mL |
| | | | | | | | PCB-180 | 4000 ng/mL |
| | | | | | | | PCB-180/193 | 4000 ng/mL |
| | | | | | | | PCB-181 | 2000 ng/mL |
| | | | | | | | PCB-182 | 2000 ng/mL |
| | | | | | | | PCB-183 | 4000 ng/mL |
| | | | | | | | PCB-183/185 | 4000 ng/mL |
| | | | | | | | PCB-184 | 2000 ng/mL |
| | | | | | | | PCB-185 | 4000 ng/mL |
| | | | | | | | PCB-186 | 2000 ng/mL |
| | | | | | | | PCB-187 | 2000 ng/mL |
| | | | | | | | PCB-188 | 2000 ng/mL |
| | | | | | | | PCB-189 | 2000 ng/mL |
| | | | | | | | PCB-19 | 2000 ng/mL |
| | | | | | | | PCB-190 | 2000 ng/mL |
| | | | | | | | PCB-191 | 2000 ng/mL |
| | | | | | | | PCB-192 | 2000 ng/mL |
| | | | | | | | PCB-193 | 4000 ng/mL |
| | | | | | | | PCB-194 | 2000 ng/mL |
| | | | | | | | PCB-195 | 2000 ng/mL |
| | | | | | | | PCB-196 | 2000 ng/mL |
| | | | | | | | PCB-197 | 2000 ng/mL |
| | | | | | | | PCB-198 | 4000 ng/mL |
| | | | | | | | PCB-198/199 | 4000 ng/mL |
| | | | | | | | PCB-199 | 4000 ng/mL |
| | | | | | | | PCB-2 | 2000 ng/mL |
| | | | | | | | PCB-20 | 4000 ng/mL |
| | | | | | | | PCB-20/28 | 4000 ng/mL |
| | | | | | | | PCB-200 | 2000 ng/mL |
| | | | | | | | PCB-201 | 2000 ng/mL |
| | | | | | | | PCB-202 | 2000 ng/mL |
| | | | | | | | PCB-203 | 2000 ng/mL |
| | | | | | | | PCB-204 | 2000 ng/mL |
| | | | | | | | PCB-205 | 2000 ng/mL |
| | | | | | | | PCB-206 | 2000 ng/mL |
| | | | | | | | PCB-207 | 2000 ng/mL |
| | | | | | | | PCB-208 | 2000 ng/mL |
| | | | | | | | PCB-209 | 2000 ng/mL |
| | | | | | | | PCB-21 | 4000 ng/mL |
| | | | | | | | PCB-21/33 | 4000 ng/mL |
| | | | | | | | PCB-22 | 2000 ng/mL |
| | | | | | | | PCB-23 | 2000 ng/mL |
| | | | | | | | PCB-24 | 2000 ng/mL |
| | | | | | | | PCB-25 | 2000 ng/mL |
| | | | | | | | PCB-26 | 4000 ng/mL |
| | | | | | | | PCB-26/29 | 4000 ng/mL |
| | | | | | | | PCB-27 | 2000 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-28 | 4000 ng/mL |
| | | | | | | | PCB-29 | 4000 ng/mL |
| | | | | | | | PCB-3 | 2000 ng/mL |
| | | | | | | | PCB-30 | 4000 ng/mL |
| | | | | | | | PCB-31 | 2000 ng/mL |
| | | | | | | | PCB-32 | 2000 ng/mL |
| | | | | | | | PCB-33 | 4000 ng/mL |
| | | | | | | | PCB-34 | 2000 ng/mL |
| | | | | | | | PCB-35 | 2000 ng/mL |
| | | | | | | | PCB-36 | 2000 ng/mL |
| | | | | | | | PCB-37 | 2000 ng/mL |
| | | | | | | | PCB-38 | 2000 ng/mL |
| | | | | | | | PCB-39 | 2000 ng/mL |
| | | | | | | | PCB-4 | 2000 ng/mL |
| | | | | | | | PCB-40 | 6000 ng/mL |
| | | | | | | | PCB-40/41/71 | 6000 ng/mL |
| | | | | | | | PCB-41 | 6000 ng/mL |
| | | | | | | | PCB-42 | 2000 ng/mL |
| | | | | | | | PCB-43 | 4000 ng/mL |
| | | | | | | | PCB-43/73 | 4000 ng/mL |
| | | | | | | | PCB-44 | 6000 ng/mL |
| | | | | | | | PCB-44/47/65 | 6000 ng/mL |
| | | | | | | | PCB-45 | 4000 ng/mL |
| | | | | | | | PCB-45/51 | 4000 ng/mL |
| | | | | | | | PCB-46 | 2000 ng/mL |
| | | | | | | | PCB-47 | 6000 ng/mL |
| | | | | | | | PCB-48 | 2000 ng/mL |
| | | | | | | | PCB-49 | 4000 ng/mL |
| | | | | | | | PCB-49/69 | 4000 ng/mL |
| | | | | | | | PCB-5 | 2000 ng/mL |
| | | | | | | | PCB-50 | 4000 ng/mL |
| | | | | | | | PCB-50/53 | 4000 ng/mL |
| | | | | | | | PCB-51 | 4000 ng/mL |
| | | | | | | | PCB-52 | 2000 ng/mL |
| | | | | | | | PCB-53 | 4000 ng/mL |
| | | | | | | | PCB-54 | 2000 ng/mL |
| | | | | | | | PCB-55 | 2000 ng/mL |
| | | | | | | | PCB-56 | 2000 ng/mL |
| | | | | | | | PCB-57 | 2000 ng/mL |
| | | | | | | | PCB-58 | 2000 ng/mL |
| | | | | | | | PCB-59 | 6000 ng/mL |
| | | | | | | | PCB-59/62/75 | 6000 ng/mL |
| | | | | | | | PCB-6 | 2000 ng/mL |
| | | | | | | | PCB-60 | 2000 ng/mL |
| | | | | | | | PCB-61 | 8000 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 8000 ng/mL |
| | | | | | | | PCB-62 | 6000 ng/mL |
| | | | | | | | PCB-63 | 2000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-64 | 2000 ng/mL |
| | | | | | | | PCB-65 | 6000 ng/mL |
| | | | | | | | PCB-66 | 2000 ng/mL |
| | | | | | | | PCB-67 | 2000 ng/mL |
| | | | | | | | PCB-68 | 2000 ng/mL |
| | | | | | | | PCB-69 | 4000 ng/mL |
| | | | | | | | PCB-7 | 2000 ng/mL |
| | | | | | | | PCB-70 | 8000 ng/mL |
| | | | | | | | PCB-71 | 6000 ng/mL |
| | | | | | | | PCB-72 | 2000 ng/mL |
| | | | | | | | PCB-73 | 4000 ng/mL |
| | | | | | | | PCB-74 | 8000 ng/mL |
| | | | | | | | PCB-75 | 6000 ng/mL |
| | | | | | | | PCB-76 | 8000 ng/mL |
| | | | | | | | PCB-77 | 2000 ng/mL |
| | | | | | | | PCB-78 | 2000 ng/mL |
| | | | | | | | PCB-79 | 2000 ng/mL |
| | | | | | | | PCB-8 | 2000 ng/mL |
| | | | | | | | PCB-80 | 2000 ng/mL |
| | | | | | | | PCB-81 | 2000 ng/mL |
| | | | | | | | PCB-82 | 2000 ng/mL |
| | | | | | | | PCB-83 | 4000 ng/mL |
| | | | | | | | PCB-83/99 | 4000 ng/mL |
| | | | | | | | PCB-84 | 2000 ng/mL |
| | | | | | | | PCB-85 | 6000 ng/mL |
| | | | | | | | PCB-85/116/117 | 6000 ng/mL |
| | | | | | | | PCB-86 | 12000 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 12000 ng/mL |
| | | | | | | | PCB-87 | 12000 ng/mL |
| | | | | | | | PCB-88 | 4000 ng/mL |
| | | | | | | | PCB-88/91 | 4000 ng/mL |
| | | | | | | | PCB-89 | 2000 ng/mL |
| | | | | | | | PCB-9 | 2000 ng/mL |
| | | | | | | | PCB-90 | 6000 ng/mL |
| | | | | | | | PCB-90/101/113 | 6000 ng/mL |
| | | | | | | | PCB-91 | 4000 ng/mL |
| | | | | | | | PCB-92 | 2000 ng/mL |
| | | | | | | | PCB-93 | 4000 ng/mL |
| | | | | | | | PCB-93/100 | 4000 ng/mL |
| | | | | | | | PCB-94 | 2000 ng/mL |
| | | | | | | | PCB-95 | 2000 ng/mL |
| | | | | | | | PCB-96 | 2000 ng/mL |
| | | | | | | | PCB-97 | 12000 ng/mL |
| | | | | | | | PCB-98 | 4000 ng/mL |
| | | | | | | | PCB-98/102 | 4000 ng/mL |
| | | | | | | | PCB-99 | 4000 ng/mL |
| | | | | | 61XXRECSTOCK_00003 | 100 uL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |
| .61IDSTOCKPCBP_00004 | 10/08/24 | 06/20/16 | Nonane, Lot SHBC8566V | 25 mL | 61INISPCB170P_00001 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00001 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00001 | 10/08/24 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00001 | 10/08/24 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61MXALL209P_00004 | 09/17/19 | | AccuStandard, Lot 209091190 | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-124 | 8 ug/mL |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-160 | 16 ug/mL |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-2 | 4 ug/mL |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-48 | 4 ug/mL |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-86 | 24 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |
| .61XXRECSTOCK_00003 | 02/03/24 | 11/14/16 | Nonane, Lot SHBD8765V | 10 mL | 61INPCB101LP_00002 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00002 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00002 | 250 uL | PCB-138L | 1000 ng/mL |
| | | | | | 61INPCB180LP_00002 | 250 uL | PCB-180L | 1000 ng/mL |
| | | | | | 61INPCB194LP_00002 | 250 uL | PCB-194L | 1000 ng/mL |
| | | | | | 61INPCB31LP_00002 | 200 uL | PCB-31L | 1000 ng/mL |
| | | | | | 61INPCB32LP_00002 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00002 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00002 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00002 | 02/05/24 | | Cambridge, Lot SDBA-020 | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-008 | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00002 | 02/05/24 | | Cambridge, Lot SDAC-020 | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |
| ..61INPCB180LP_00002 | 02/05/24 | | Canbridge, Lot SDDD-017 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00002 | 02/05/24 | | Cambridge, Lot SCDF-008 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00002 | 02/03/24 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00002 | 02/05/24 | | Cambridge, Lot SCBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00002 | 02/05/24 | | Cambridge, Lot SDAK-002 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00002 | 02/05/24 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61MX209ICVS_00002** | 05/05/20 | 01/25/17 | Nonane, Lot SBHB0333V | 1 mL | 61IDSTOCKPCBP_00004 | 100 uL | PCB-170L | 100 ng/mL |
| | | | | | | | PCB-104L | 100 ng/mL |
| | | | | | | | PCB-105L | 100 ng/mL |
| | | | | | | | PCB-114L | 100 ng/mL |
| | | | | | | | PCB-118L | 100 ng/mL |
| | | | | | | | PCB-123L | 100 ng/mL |
| | | | | | | | PCB-126L | 100 ng/mL |
| | | | | | | | PCB-155L | 100 ng/mL |
| | | | | | | | PCB-156L | 200 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-156L/157L | 200 ng/mL |
| | | | | | | | PCB-157L | 200 ng/mL |
| | | | | | | | PCB-15L | 100 ng/mL |
| | | | | | | | PCB-167L | 100 ng/mL |
| | | | | | | | PCB-169L | 100 ng/mL |
| | | | | | | | PCB-188L | 100 ng/mL |
| | | | | | | | PCB-189L | 100 ng/mL |
| | | | | | | | PCB-19L | 100 ng/mL |
| | | | | | | | PCB-1L | 100 ng/mL |
| | | | | | | | PCB-202L | 100 ng/mL |
| | | | | | | | PCB-205L | 100 ng/mL |
| | | | | | | | PCB-206L | 100 ng/mL |
| | | | | | | | PCB-208L | 100 ng/mL |
| | | | | | | | PCB-209L | 100 ng/mL |
| | | | | | | | PCB-37L | 100 ng/mL |
| | | | | | | | PCB-3L | 100 ng/mL |
| | | | | | | | PCB-4L | 100 ng/mL |
| | | | | | | | PCB-54L | 100 ng/mL |
| | | | | | | | PCB-77L | 100 ng/mL |
| | | | | | | | PCB-81L | 100 ng/mL |
| | | | | | 61MXPCBMIX1S_00002 | 20 uL | PCB-10 | 50 ng/mL |
| | | | | | | | PCB-103 | 100 ng/mL |
| | | | | | | | PCB-105 | 100 ng/mL |
| | | | | | | | PCB-106 | 100 ng/mL |
| | | | | | | | PCB-108/124 | 200 ng/mL |
| | | | | | | | PCB-11 | 50 ng/mL |
| | | | | | | | PCB-113 | 300 ng/mL |
| | | | | | | | PCB-119 | 600 ng/mL |
| | | | | | | | PCB-120 | 100 ng/mL |
| | | | | | | | PCB-122 | 100 ng/mL |
| | | | | | | | PCB-124 | 200 ng/mL |
| | | | | | | | PCB-127 | 100 ng/mL |
| | | | | | | | PCB-128/166 | 200 ng/mL |
| | | | | | | | PCB-129 | 400 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 400 ng/mL |
| | | | | | | | PCB-130 | 100 ng/mL |
| | | | | | | | PCB-133 | 100 ng/mL |
| | | | | | | | PCB-134/143 | 200 ng/mL |
| | | | | | | | PCB-135/151 | 200 ng/mL |
| | | | | | | | PCB-136 | 100 ng/mL |
| | | | | | | | PCB-14 | 50 ng/mL |
| | | | | | | | PCB-142 | 100 ng/mL |
| | | | | | | | PCB-143 | 200 ng/mL |
| | | | | | | | PCB-144 | 100 ng/mL |
| | | | | | | | PCB-148 | 100 ng/mL |
| | | | | | | | PCB-151 | 200 ng/mL |
| | | | | | | | PCB-152 | 100 ng/mL |
| | | | | | | | PCB-153 | 200 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-153/168 | 200 ng/mL |
| | | | | | | | PCB-156 | 200 ng/mL |
| | | | | | | | PCB-156/157 | 200 ng/mL |
| | | | | | | | PCB-159 | 100 ng/mL |
| | | | | | | | PCB-161 | 100 ng/mL |
| | | | | | | | PCB-166 | 200 ng/mL |
| | | | | | | | PCB-167 | 100 ng/mL |
| | | | | | | | PCB-170 | 100 ng/mL |
| | | | | | | | PCB-171 | 200 ng/mL |
| | | | | | | | PCB-171/173 | 200 ng/mL |
| | | | | | | | PCB-172 | 100 ng/mL |
| | | | | | | | PCB-175 | 100 ng/mL |
| | | | | | | | PCB-176 | 100 ng/mL |
| | | | | | | | PCB-177 | 100 ng/mL |
| | | | | | | | PCB-178 | 100 ng/mL |
| | | | | | | | PCB-179 | 100 ng/mL |
| | | | | | | | PCB-18/30 | 100 ng/mL |
| | | | | | | | PCB-183 | 200 ng/mL |
| | | | | | | | PCB-183/185 | 200 ng/mL |
| | | | | | | | PCB-190 | 100 ng/mL |
| | | | | | | | PCB-191 | 100 ng/mL |
| | | | | | | | PCB-194 | 150 ng/mL |
| | | | | | | | PCB-195 | 150 ng/mL |
| | | | | | | | PCB-196 | 150 ng/mL |
| | | | | | | | PCB-198 | 300 ng/mL |
| | | | | | | | PCB-198/199 | 300 ng/mL |
| | | | | | | | PCB-2 | 50 ng/mL |
| | | | | | | | PCB-200 | 150 ng/mL |
| | | | | | | | PCB-201 | 150 ng/mL |
| | | | | | | | PCB-204 | 150 ng/mL |
| | | | | | | | PCB-207 | 150 ng/mL |
| | | | | | | | PCB-21/33 | 100 ng/mL |
| | | | | | | | PCB-26 | 100 ng/mL |
| | | | | | | | PCB-26/29 | 100 ng/mL |
| | | | | | | | PCB-27 | 50 ng/mL |
| | | | | | | | PCB-30 | 100 ng/mL |
| | | | | | | | PCB-31 | 50 ng/mL |
| | | | | | | | PCB-32 | 50 ng/mL |
| | | | | | | | PCB-33 | 100 ng/mL |
| | | | | | | | PCB-34 | 50 ng/mL |
| | | | | | | | PCB-35 | 50 ng/mL |
| | | | | | | | PCB-36 | 50 ng/mL |
| | | | | | | | PCB-38 | 50 ng/mL |
| | | | | | | | PCB-40/41/71 | 300 ng/mL |
| | | | | | | | PCB-41 | 300 ng/mL |
| | | | | | | | PCB-45 | 200 ng/mL |
| | | | | | | | PCB-45/51 | 200 ng/mL |
| | | | | | | | PCB-49 | 200 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-49/69 | 200 ng/mL |
| | | | | | | | PCB-50 | 200 ng/mL |
| | | | | | | | PCB-50/53 | 200 ng/mL |
| | | | | | | | PCB-52 | 100 ng/mL |
| | | | | | | | PCB-57 | 100 ng/mL |
| | | | | | | | PCB-59/62/75 | 300 ng/mL |
| | | | | | | | PCB-6 | 50 ng/mL |
| | | | | | | | PCB-63 | 100 ng/mL |
| | | | | | | | PCB-66 | 100 ng/mL |
| | | | | | | | PCB-72 | 100 ng/mL |
| | | | | | | | PCB-75 | 300 ng/mL |
| | | | | | | | PCB-78 | 100 ng/mL |
| | | | | | | | PCB-79 | 100 ng/mL |
| | | | | | | | PCB-8 | 50 ng/mL |
| | | | | | | | PCB-81 | 100 ng/mL |
| | | | | | | | PCB-82 | 100 ng/mL |
| | | | | | | | PCB-83 | 200 ng/mL |
| | | | | | | | PCB-83/99 | 200 ng/mL |
| | | | | | | | PCB-85 | 300 ng/mL |
| | | | | | | | PCB-85/116/117 | 300 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 600 ng/mL |
| | | | | | | | PCB-87 | 600 ng/mL |
| | | | | | | | PCB-88 | 200 ng/mL |
| | | | | | | | PCB-88/91 | 200 ng/mL |
| | | | | | | | PCB-89 | 100 ng/mL |
| | | | | | | | PCB-9 | 50 ng/mL |
| | | | | | | | PCB-90/101/113 | 300 ng/mL |
| | | | | | | | PCB-92 | 100 ng/mL |
| | | | | | | | PCB-95 | 100 ng/mL |
| | | | | | | | PCB-96 | 100 ng/mL |
| | | | | | 61MXPCBMIX2S_00002 | 20 uL | PCB-100 | 200 ng/mL |
| | | | | | | | PCB-108 | 200 ng/mL |
| | | | | | | | PCB-108/124 | 200 ng/mL |
| | | | | | | | PCB-109 | 600 ng/mL |
| | | | | | | | PCB-111 | 100 ng/mL |
| | | | | | | | PCB-114 | 100 ng/mL |
| | | | | | | | PCB-117 | 300 ng/mL |
| | | | | | | | PCB-118 | 100 ng/mL |
| | | | | | | | PCB-12 | 100 ng/mL |
| | | | | | | | PCB-12/13 | 100 ng/mL |
| | | | | | | | PCB-121 | 100 ng/mL |
| | | | | | | | PCB-128 | 200 ng/mL |
| | | | | | | | PCB-128/166 | 200 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 400 ng/mL |
| | | | | | | | PCB-132 | 100 ng/mL |
| | | | | | | | PCB-135 | 200 ng/mL |
| | | | | | | | PCB-135/151 | 200 ng/mL |
| | | | | | | | PCB-137 | 100 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-139 | 200 ng/mL |
| | | | | | | | PCB-139/140 | 200 ng/mL |
| | | | | | | | PCB-145 | 100 ng/mL |
| | | | | | | | PCB-147/149 | 200 ng/mL |
| | | | | | | | PCB-149 | 200 ng/mL |
| | | | | | | | PCB-150 | 100 ng/mL |
| | | | | | | | PCB-153/168 | 200 ng/mL |
| | | | | | | | PCB-156/157 | 200 ng/mL |
| | | | | | | | PCB-157 | 200 ng/mL |
| | | | | | | | PCB-160 | 400 ng/mL |
| | | | | | | | PCB-162 | 100 ng/mL |
| | | | | | | | PCB-165 | 100 ng/mL |
| | | | | | | | PCB-168 | 200 ng/mL |
| | | | | | | | PCB-18 | 100 ng/mL |
| | | | | | | | PCB-18/30 | 100 ng/mL |
| | | | | | | | PCB-181 | 100 ng/mL |
| | | | | | | | PCB-183/185 | 200 ng/mL |
| | | | | | | | PCB-184 | 100 ng/mL |
| | | | | | | | PCB-185 | 200 ng/mL |
| | | | | | | | PCB-186 | 100 ng/mL |
| | | | | | | | PCB-187 | 100 ng/mL |
| | | | | | | | PCB-192 | 100 ng/mL |
| | | | | | | | PCB-197 | 150 ng/mL |
| | | | | | | | PCB-198/199 | 300 ng/mL |
| | | | | | | | PCB-199 | 300 ng/mL |
| | | | | | | | PCB-20/28 | 100 ng/mL |
| | | | | | | | PCB-203 | 150 ng/mL |
| | | | | | | | PCB-22 | 50 ng/mL |
| | | | | | | | PCB-23 | 50 ng/mL |
| | | | | | | | PCB-24 | 50 ng/mL |
| | | | | | | | PCB-28 | 100 ng/mL |
| | | | | | | | PCB-39 | 50 ng/mL |
| | | | | | | | PCB-40/41/71 | 300 ng/mL |
| | | | | | | | PCB-43/73 | 200 ng/mL |
| | | | | | | | PCB-45/51 | 200 ng/mL |
| | | | | | | | PCB-48 | 100 ng/mL |
| | | | | | | | PCB-5 | 50 ng/mL |
| | | | | | | | PCB-50/53 | 200 ng/mL |
| | | | | | | | PCB-51 | 200 ng/mL |
| | | | | | | | PCB-53 | 200 ng/mL |
| | | | | | | | PCB-55 | 100 ng/mL |
| | | | | | | | PCB-58 | 100 ng/mL |
| | | | | | | | PCB-59/62/75 | 300 ng/mL |
| | | | | | | | PCB-60 | 100 ng/mL |
| | | | | | | | PCB-61 | 400 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 400 ng/mL |
| | | | | | | | PCB-62 | 300 ng/mL |
| | | | | | | | PCB-68 | 100 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-7 | 50 ng/mL |
| | | | | | | | PCB-71 | 300 ng/mL |
| | | | | | | | PCB-73 | 200 ng/mL |
| | | | | | | | PCB-83/99 | 200 ng/mL |
| | | | | | | | PCB-85/116/117 | 300 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 600 ng/mL |
| | | | | | | | PCB-88/91 | 200 ng/mL |
| | | | | | | | PCB-90 | 300 ng/mL |
| | | | | | | | PCB-90/101/113 | 300 ng/mL |
| | | | | | | | PCB-91 | 200 ng/mL |
| | | | | | | | PCB-93/100 | 200 ng/mL |
| | | | | | | | PCB-94 | 100 ng/mL |
| | | | | | | | PCB-99 | 200 ng/mL |
| | | | | | 61MXPCBMIX3S_00002 | 20 uL | PCB-101 | 300 ng/mL |
| | | | | | | | PCB-107 | 100 ng/mL |
| | | | | | | | PCB-112 | 100 ng/mL |
| | | | | | | | PCB-116 | 300 ng/mL |
| | | | | | | | PCB-12/13 | 100 ng/mL |
| | | | | | | | PCB-13 | 100 ng/mL |
| | | | | | | | PCB-139/140 | 200 ng/mL |
| | | | | | | | PCB-140 | 200 ng/mL |
| | | | | | | | PCB-141 | 100 ng/mL |
| | | | | | | | PCB-146 | 100 ng/mL |
| | | | | | | | PCB-147 | 200 ng/mL |
| | | | | | | | PCB-147/149 | 200 ng/mL |
| | | | | | | | PCB-154 | 100 ng/mL |
| | | | | | | | PCB-158 | 100 ng/mL |
| | | | | | | | PCB-164 | 100 ng/mL |
| | | | | | | | PCB-17 | 50 ng/mL |
| | | | | | | | PCB-171/173 | 200 ng/mL |
| | | | | | | | PCB-173 | 200 ng/mL |
| | | | | | | | PCB-174 | 100 ng/mL |
| | | | | | | | PCB-180/193 | 200 ng/mL |
| | | | | | | | PCB-182 | 100 ng/mL |
| | | | | | | | PCB-193 | 200 ng/mL |
| | | | | | | | PCB-20 | 100 ng/mL |
| | | | | | | | PCB-20/28 | 100 ng/mL |
| | | | | | | | PCB-26/29 | 100 ng/mL |
| | | | | | | | PCB-29 | 100 ng/mL |
| | | | | | | | PCB-40 | 300 ng/mL |
| | | | | | | | PCB-40/41/71 | 300 ng/mL |
| | | | | | | | PCB-44/47/65 | 300 ng/mL |
| | | | | | | | PCB-46 | 100 ng/mL |
| | | | | | | | PCB-59 | 300 ng/mL |
| | | | | | | | PCB-59/62/75 | 300 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 400 ng/mL |
| | | | | | | | PCB-65 | 300 ng/mL |
| | | | | | | | PCB-67 | 100 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-76 | 400 ng/mL |
| | | | | | | | PCB-80 | 100 ng/mL |
| | | | | | | | PCB-84 | 100 ng/mL |
| | | | | | | | PCB-85/116/117 | 300 ng/mL |
| | | | | | | | PCB-86 | 600 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 600 ng/mL |
| | | | | | | | PCB-90/101/113 | 300 ng/mL |
| | | | | | | | PCB-93 | 200 ng/mL |
| | | | | | | | PCB-93/100 | 200 ng/mL |
| | | | | | 61MXPCBMIX4S_00003 | 20 uL | PCB-102 | 200 ng/mL |
| | | | | | | | PCB-110/115 | 200 ng/mL |
| | | | | | | | PCB-115 | 200 ng/mL |
| | | | | | | | PCB-123 | 100 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 400 ng/mL |
| | | | | | | | PCB-131 | 100 ng/mL |
| | | | | | | | PCB-134 | 200 ng/mL |
| | | | | | | | PCB-134/143 | 200 ng/mL |
| | | | | | | | PCB-163 | 400 ng/mL |
| | | | | | | | PCB-180 | 200 ng/mL |
| | | | | | | | PCB-180/193 | 200 ng/mL |
| | | | | | | | PCB-21 | 100 ng/mL |
| | | | | | | | PCB-21/33 | 100 ng/mL |
| | | | | | | | PCB-25 | 50 ng/mL |
| | | | | | | | PCB-42 | 100 ng/mL |
| | | | | | | | PCB-44/47/65 | 300 ng/mL |
| | | | | | | | PCB-47 | 300 ng/mL |
| | | | | | | | PCB-49/69 | 200 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 400 ng/mL |
| | | | | | | | PCB-64 | 100 ng/mL |
| | | | | | | | PCB-69 | 200 ng/mL |
| | | | | | | | PCB-70 | 400 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 600 ng/mL |
| | | | | | | | PCB-97 | 600 ng/mL |
| | | | | | | | PCB-98/102 | 200 ng/mL |
| | | | | | 61MXPCBMIX5S_00002 | 20 uL | PCB-1 | 50 ng/mL |
| | | | | | | | PCB-104 | 100 ng/mL |
| | | | | | | | PCB-110 | 200 ng/mL |
| | | | | | | | PCB-110/115 | 200 ng/mL |
| | | | | | | | PCB-125 | 600 ng/mL |
| | | | | | | | PCB-126 | 100 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 400 ng/mL |
| | | | | | | | PCB-138 | 400 ng/mL |
| | | | | | | | PCB-15 | 50 ng/mL |
| | | | | | | | PCB-155 | 100 ng/mL |
| | | | | | | | PCB-16 | 50 ng/mL |
| | | | | | | | PCB-169 | 100 ng/mL |
| | | | | | | | PCB-188 | 100 ng/mL |
| | | | | | | | PCB-189 | 100 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-19 | 50 ng/mL |
| | | | | | | | PCB-202 | 150 ng/mL |
| | | | | | | | PCB-205 | 150 ng/mL |
| | | | | | | | PCB-206 | 150 ng/mL |
| | | | | | | | PCB-208 | 150 ng/mL |
| | | | | | | | PCB-209 | 150 ng/mL |
| | | | | | | | PCB-3 | 50 ng/mL |
| | | | | | | | PCB-37 | 50 ng/mL |
| | | | | | | | PCB-4 | 50 ng/mL |
| | | | | | | | PCB-43 | 200 ng/mL |
| | | | | | | | PCB-43/73 | 200 ng/mL |
| | | | | | | | PCB-44 | 300 ng/mL |
| | | | | | | | PCB-44/47/65 | 300 ng/mL |
| | | | | | | | PCB-54 | 100 ng/mL |
| | | | | | | | PCB-56 | 100 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 400 ng/mL |
| | | | | | | | PCB-74 | 400 ng/mL |
| | | | | | | | PCB-77 | 100 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 600 ng/mL |
| | | | | | | | PCB-98 | 200 ng/mL |
| | | | | | | | PCB-98/102 | 200 ng/mL |
| | | | | | 61XXCSSTOCKP_00002 | 20 uL | PCB-111L | 100 ng/mL |
| | | | | | | | PCB-178L | 100 ng/mL |
| | | | | | | | PCB-28L | 100 ng/mL |
| | | | | | 61XXFS1668P_00002 | 20 uL | PCB-153L | 100 ng/mL |
| | | | | | | | PCB-79L | 100 ng/mL |
| | | | | | | | PCB-8L | 100 ng/mL |
| | | | | | | | PCB-95L | 100 ng/mL |
| .61IDSTOCKPCBP_00004 | 10/08/24 | 06/20/16 | Nonane, Lot SHBC8566V | 25 mL | 61INISPCB170P_00001 | 0.625 mL | PCB-170L | 1000 ng/mL |
| | | | | | 61MX1668ISP_00001 | 25 mL | PCB-104L | 1000 ng/mL |
| | | | | | | | PCB-105L | 1000 ng/mL |
| | | | | | | | PCB-114L | 1000 ng/mL |
| | | | | | | | PCB-118L | 1000 ng/mL |
| | | | | | | | PCB-123L | 1000 ng/mL |
| | | | | | | | PCB-126L | 1000 ng/mL |
| | | | | | | | PCB-155L | 1000 ng/mL |
| | | | | | | | PCB-156L | 2000 ng/mL |
| | | | | | | | PCB-156L/157L | 2000 ng/mL |
| | | | | | | | PCB-157L | 2000 ng/mL |
| | | | | | | | PCB-15L | 1000 ng/mL |
| | | | | | | | PCB-167L | 1000 ng/mL |
| | | | | | | | PCB-169L | 1000 ng/mL |
| | | | | | | | PCB-188L | 1000 ng/mL |
| | | | | | | | PCB-189L | 1000 ng/mL |
| | | | | | | | PCB-19L | 1000 ng/mL |
| | | | | | | | PCB-1L | 1000 ng/mL |
| | | | | | | | PCB-202L | 1000 ng/mL |
| | | | | | | | PCB-205L | 1000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-206L | 1000 ng/mL |
| | | | | | | | PCB-208L | 1000 ng/mL |
| | | | | | | | PCB-209L | 1000 ng/mL |
| | | | | | | | PCB-37L | 1000 ng/mL |
| | | | | | | | PCB-3L | 1000 ng/mL |
| | | | | | | | PCB-4L | 1000 ng/mL |
| | | | | | | | PCB-54L | 1000 ng/mL |
| | | | | | | | PCB-77L | 1000 ng/mL |
| | | | | | | | PCB-81L | 1000 ng/mL |
| ..61INISPCB170P_00001 | 10/08/24 | | Cambridge, Lot SDCL-004 | | (Purchased Reagent) | | PCB-170L | 40 ug/mL |
| ..61MX1668ISP_00001 | 10/08/24 | | Cambridge, Lot PR-23564 | | (Purchased Reagent) | | PCB-104L | 1 ug/mL |
| | | | | | | | PCB-105L | 1 ug/mL |
| | | | | | | | PCB-114L | 1 ug/mL |
| | | | | | | | PCB-118L | 1 ug/mL |
| | | | | | | | PCB-123L | 1 ug/mL |
| | | | | | | | PCB-126L | 1 ug/mL |
| | | | | | | | PCB-155L | 1 ug/mL |
| | | | | | | | PCB-156L | 2 ug/mL |
| | | | | | | | PCB-156L/157L | 2 ug/mL |
| | | | | | | | PCB-157L | 2 ug/mL |
| | | | | | | | PCB-15L | 1 ug/mL |
| | | | | | | | PCB-167L | 1 ug/mL |
| | | | | | | | PCB-169L | 1 ug/mL |
| | | | | | | | PCB-188L | 1 ug/mL |
| | | | | | | | PCB-189L | 1 ug/mL |
| | | | | | | | PCB-19L | 1 ug/mL |
| | | | | | | | PCB-1L | 1 ug/mL |
| | | | | | | | PCB-202L | 1 ug/mL |
| | | | | | | | PCB-205L | 1 ug/mL |
| | | | | | | | PCB-206L | 1 ug/mL |
| | | | | | | | PCB-208L | 1 ug/mL |
| | | | | | | | PCB-209L | 1 ug/mL |
| | | | | | | | PCB-37L | 1 ug/mL |
| | | | | | | | PCB-3L | 1 ug/mL |
| | | | | | | | PCB-4L | 1 ug/mL |
| | | | | | | | PCB-54L | 1 ug/mL |
| | | | | | | | PCB-77L | 1 ug/mL |
| | | | | | | | PCB-81L | 1 ug/mL |
| .61MXPCBMIX1S_00002 | 06/20/21 | | AccuStandard, Lot 211061189 | | (Purchased Reagent) | | PCB-10 | 2.5 ug/mL |
| | | | | | | | PCB-103 | 5 ug/mL |
| | | | | | | | PCB-105 | 5 ug/mL |
| | | | | | | | PCB-106 | 5 ug/mL |
| | | | | | | | PCB-108/124 | 5 ug/mL |
| | | | | | | | PCB-11 | 2.5 ug/mL |
| | | | | | | | PCB-113 | 15 ug/mL |
| | | | | | | | PCB-119 | 30 ug/mL |
| | | | | | | | PCB-120 | 5 ug/mL |
| | | | | | | | PCB-122 | 5 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-124 | 10 ug/mL |
| | | | | | | | PCB-127 | 5 ug/mL |
| | | | | | | | PCB-128/166 | 5 ug/mL |
| | | | | | | | PCB-129 | 20 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 5 ug/mL |
| | | | | | | | PCB-130 | 5 ug/mL |
| | | | | | | | PCB-133 | 5 ug/mL |
| | | | | | | | PCB-134/143 | 5 ug/mL |
| | | | | | | | PCB-135/151 | 5 ug/mL |
| | | | | | | | PCB-136 | 5 ug/mL |
| | | | | | | | PCB-14 | 2.5 ug/mL |
| | | | | | | | PCB-142 | 5 ug/mL |
| | | | | | | | PCB-143 | 10 ug/mL |
| | | | | | | | PCB-144 | 5 ug/mL |
| | | | | | | | PCB-148 | 5 ug/mL |
| | | | | | | | PCB-151 | 10 ug/mL |
| | | | | | | | PCB-152 | 5 ug/mL |
| | | | | | | | PCB-153 | 10 ug/mL |
| | | | | | | | PCB-153/168 | 5 ug/mL |
| | | | | | | | PCB-156 | 10 ug/mL |
| | | | | | | | PCB-156/157 | 5 ug/mL |
| | | | | | | | PCB-159 | 5 ug/mL |
| | | | | | | | PCB-161 | 5 ug/mL |
| | | | | | | | PCB-166 | 10 ug/mL |
| | | | | | | | PCB-167 | 5 ug/mL |
| | | | | | | | PCB-170 | 5 ug/mL |
| | | | | | | | PCB-171 | 10 ug/mL |
| | | | | | | | PCB-171/173 | 5 ug/mL |
| | | | | | | | PCB-172 | 5 ug/mL |
| | | | | | | | PCB-175 | 5 ug/mL |
| | | | | | | | PCB-176 | 5 ug/mL |
| | | | | | | | PCB-177 | 5 ug/mL |
| | | | | | | | PCB-178 | 5 ug/mL |
| | | | | | | | PCB-179 | 5 ug/mL |
| | | | | | | | PCB-18/30 | 2.5 ug/mL |
| | | | | | | | PCB-183 | 10 ug/mL |
| | | | | | | | PCB-183/185 | 5 ug/mL |
| | | | | | | | PCB-190 | 5 ug/mL |
| | | | | | | | PCB-191 | 5 ug/mL |
| | | | | | | | PCB-194 | 7.5 ug/mL |
| | | | | | | | PCB-195 | 7.5 ug/mL |
| | | | | | | | PCB-196 | 7.5 ug/mL |
| | | | | | | | PCB-198 | 15 ug/mL |
| | | | | | | | PCB-198/199 | 7.5 ug/mL |
| | | | | | | | PCB-2 | 2.5 ug/mL |
| | | | | | | | PCB-200 | 7.5 ug/mL |
| | | | | | | | PCB-201 | 7.5 ug/mL |
| | | | | | | | PCB-204 | 7.5 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-207 | 7.5 ug/mL |
| | | | | | | | PCB-21/33 | 2.5 ug/mL |
| | | | | | | | PCB-26 | 5 ug/mL |
| | | | | | | | PCB-26/29 | 2.5 ug/mL |
| | | | | | | | PCB-27 | 2.5 ug/mL |
| | | | | | | | PCB-30 | 5 ug/mL |
| | | | | | | | PCB-31 | 2.5 ug/mL |
| | | | | | | | PCB-32 | 2.5 ug/mL |
| | | | | | | | PCB-33 | 5 ug/mL |
| | | | | | | | PCB-34 | 2.5 ug/mL |
| | | | | | | | PCB-35 | 2.5 ug/mL |
| | | | | | | | PCB-36 | 2.5 ug/mL |
| | | | | | | | PCB-38 | 2.5 ug/mL |
| | | | | | | | PCB-40/41/71 | 5 ug/mL |
| | | | | | | | PCB-41 | 15 ug/mL |
| | | | | | | | PCB-45 | 10 ug/mL |
| | | | | | | | PCB-45/51 | 5 ug/mL |
| | | | | | | | PCB-49 | 10 ug/mL |
| | | | | | | | PCB-49/69 | 5 ug/mL |
| | | | | | | | PCB-50 | 10 ug/mL |
| | | | | | | | PCB-50/53 | 5 ug/mL |
| | | | | | | | PCB-52 | 5 ug/mL |
| | | | | | | | PCB-57 | 5 ug/mL |
| | | | | | | | PCB-59/62/75 | 5 ug/mL |
| | | | | | | | PCB-6 | 2.5 ug/mL |
| | | | | | | | PCB-63 | 5 ug/mL |
| | | | | | | | PCB-66 | 5 ug/mL |
| | | | | | | | PCB-72 | 5 ug/mL |
| | | | | | | | PCB-75 | 15 ug/mL |
| | | | | | | | PCB-78 | 5 ug/mL |
| | | | | | | | PCB-79 | 5 ug/mL |
| | | | | | | | PCB-8 | 2.5 ug/mL |
| | | | | | | | PCB-81 | 5 ug/mL |
| | | | | | | | PCB-82 | 5 ug/mL |
| | | | | | | | PCB-83 | 10 ug/mL |
| | | | | | | | PCB-83/99 | 5 ug/mL |
| | | | | | | | PCB-85 | 15 ug/mL |
| | | | | | | | PCB-85/116/117 | 5 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 10 ug/mL |
| | | | | | | | PCB-87 | 30 ug/mL |
| | | | | | | | PCB-88 | 10 ug/mL |
| | | | | | | | PCB-88/91 | 5 ug/mL |
| | | | | | | | PCB-89 | 5 ug/mL |
| | | | | | | | PCB-9 | 2.5 ug/mL |
| | | | | | | | PCB-90/101/113 | 5 ug/mL |
| | | | | | | | PCB-92 | 5 ug/mL |
| | | | | | | | PCB-95 | 5 ug/mL |
| | | | | | | | PCB-96 | 5 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| .61MXPCBMIX2S_00002 | 04/05/22 | AccuStandard, Lot 212031457 | | | (Purchased Reagent) | | PCB-100 | 10 ug/mL |
| | | | | | | | PCB-108 | 10 ug/mL |
| | | | | | | | PCB-108/124 | 5 ug/mL |
| | | | | | | | PCB-109 | 30 ug/mL |
| | | | | | | | PCB-111 | 5 ug/mL |
| | | | | | | | PCB-114 | 5 ug/mL |
| | | | | | | | PCB-117 | 15 ug/mL |
| | | | | | | | PCB-118 | 5 ug/mL |
| | | | | | | | PCB-12 | 5 ug/mL |
| | | | | | | | PCB-12/13 | 2.5 ug/mL |
| | | | | | | | PCB-121 | 5 ug/mL |
| | | | | | | | PCB-128 | 10 ug/mL |
| | | | | | | | PCB-128/166 | 5 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 5 ug/mL |
| | | | | | | | PCB-132 | 5 ug/mL |
| | | | | | | | PCB-135 | 10 ug/mL |
| | | | | | | | PCB-135/151 | 5 ug/mL |
| | | | | | | | PCB-137 | 5 ug/mL |
| | | | | | | | PCB-139 | 10 ug/mL |
| | | | | | | | PCB-139/140 | 5 ug/mL |
| | | | | | | | PCB-145 | 5 ug/mL |
| | | | | | | | PCB-147/149 | 5 ug/mL |
| | | | | | | | PCB-149 | 10 ug/mL |
| | | | | | | | PCB-150 | 5 ug/mL |
| | | | | | | | PCB-153/168 | 5 ug/mL |
| | | | | | | | PCB-156/157 | 5 ug/mL |
| | | | | | | | PCB-157 | 10 ug/mL |
| | | | | | | | PCB-160 | 20 ug/mL |
| | | | | | | | PCB-162 | 5 ug/mL |
| | | | | | | | PCB-165 | 5 ug/mL |
| | | | | | | | PCB-168 | 10 ug/mL |
| | | | | | | | PCB-18 | 5 ug/mL |
| | | | | | | | PCB-18/30 | 2.5 ug/mL |
| | | | | | | | PCB-181 | 5 ug/mL |
| | | | | | | | PCB-183/185 | 5 ug/mL |
| | | | | | | | PCB-184 | 5 ug/mL |
| | | | | | | | PCB-185 | 10 ug/mL |
| | | | | | | | PCB-186 | 5 ug/mL |
| | | | | | | | PCB-187 | 5 ug/mL |
| | | | | | | | PCB-192 | 5 ug/mL |
| | | | | | | | PCB-197 | 7.5 ug/mL |
| | | | | | | | PCB-198/199 | 7.5 ug/mL |
| | | | | | | | PCB-199 | 15 ug/mL |
| | | | | | | | PCB-20/28 | 2.5 ug/mL |
| | | | | | | | PCB-203 | 7.5 ug/mL |
| | | | | | | | PCB-22 | 2.5 ug/mL |
| | | | | | | | PCB-23 | 2.5 ug/mL |
| | | | | | | | PCB-24 | 2.5 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-28 | 5 ug/mL |
| | | | | | | | PCB-39 | 2.5 ug/mL |
| | | | | | | | PCB-40/41/71 | 5 ug/mL |
| | | | | | | | PCB-43/73 | 5 ug/mL |
| | | | | | | | PCB-45/51 | 5 ug/mL |
| | | | | | | | PCB-48 | 5 ug/mL |
| | | | | | | | PCB-5 | 2.5 ug/mL |
| | | | | | | | PCB-50/53 | 5 ug/mL |
| | | | | | | | PCB-51 | 10 ug/mL |
| | | | | | | | PCB-53 | 10 ug/mL |
| | | | | | | | PCB-55 | 5 ug/mL |
| | | | | | | | PCB-58 | 5 ug/mL |
| | | | | | | | PCB-59/62/75 | 5 ug/mL |
| | | | | | | | PCB-60 | 5 ug/mL |
| | | | | | | | PCB-61 | 20 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 5 ug/mL |
| | | | | | | | PCB-62 | 15 ug/mL |
| | | | | | | | PCB-68 | 5 ug/mL |
| | | | | | | | PCB-7 | 2.5 ug/mL |
| | | | | | | | PCB-71 | 15 ug/mL |
| | | | | | | | PCB-73 | 10 ug/mL |
| | | | | | | | PCB-83/99 | 5 ug/mL |
| | | | | | | | PCB-85/116/117 | 5 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 5 ug/mL |
| | | | | | | | PCB-88/91 | 5 ug/mL |
| | | | | | | | PCB-90 | 15 ug/mL |
| | | | | | | | PCB-90/101/113 | 5 ug/mL |
| | | | | | | | PCB-91 | 10 ug/mL |
| | | | | | | | PCB-93/100 | 5 ug/mL |
| | | | | | | | PCB-94 | 5 ug/mL |
| | | | | | | | PCB-99 | 10 ug/mL |
| .61MXPCBMIX3S_00002 | 10/01/23 | AccuStandard, Lot 21391387 | | | (Purchased Reagent) | | PCB-101 | 15 ug/mL |
| | | | | | | | PCB-107 | 5 ug/mL |
| | | | | | | | PCB-112 | 5 ug/mL |
| | | | | | | | PCB-116 | 15 ug/mL |
| | | | | | | | PCB-12/13 | 2.5 ug/mL |
| | | | | | | | PCB-13 | 5 ug/mL |
| | | | | | | | PCB-139/140 | 5 ug/mL |
| | | | | | | | PCB-140 | 10 ug/mL |
| | | | | | | | PCB-141 | 5 ug/mL |
| | | | | | | | PCB-146 | 5 ug/mL |
| | | | | | | | PCB-147 | 10 ug/mL |
| | | | | | | | PCB-147/149 | 5 ug/mL |
| | | | | | | | PCB-154 | 5 ug/mL |
| | | | | | | | PCB-158 | 5 ug/mL |
| | | | | | | | PCB-164 | 5 ug/mL |
| | | | | | | | PCB-17 | 2.5 ug/mL |
| | | | | | | | PCB-171/173 | 5 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-173 | 10 ug/mL |
| | | | | | | | PCB-174 | 5 ug/mL |
| | | | | | | | PCB-180/193 | 5 ug/mL |
| | | | | | | | PCB-182 | 5 ug/mL |
| | | | | | | | PCB-193 | 10 ug/mL |
| | | | | | | | PCB-20 | 5 ug/mL |
| | | | | | | | PCB-20/28 | 2.5 ug/mL |
| | | | | | | | PCB-26/29 | 2.5 ug/mL |
| | | | | | | | PCB-29 | 5 ug/mL |
| | | | | | | | PCB-40 | 15 ug/mL |
| | | | | | | | PCB-40/41/71 | 5 ug/mL |
| | | | | | | | PCB-44/47/65 | 5 ug/mL |
| | | | | | | | PCB-46 | 5 ug/mL |
| | | | | | | | PCB-59 | 15 ug/mL |
| | | | | | | | PCB-59/62/75 | 5 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 5 ug/mL |
| | | | | | | | PCB-65 | 15 ug/mL |
| | | | | | | | PCB-67 | 5 ug/mL |
| | | | | | | | PCB-76 | 20 ug/mL |
| | | | | | | | PCB-80 | 5 ug/mL |
| | | | | | | | PCB-84 | 5 ug/mL |
| | | | | | | | PCB-85/116/117 | 5 ug/mL |
| | | | | | | | PCB-86 | 30 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 5 ug/mL |
| | | | | | | | PCB-90/101/113 | 5 ug/mL |
| | | | | | | | PCB-93 | 10 ug/mL |
| | | | | | | | PCB-93/100 | 5 ug/mL |
| .61MXPCBMIX4S_00003 | 01/23/27 | AccuStandard, Lot 217011245 | | | (Purchased Reagent) | | PCB-102 | 10 ug/mL |
| | | | | | | | PCB-110/115 | 5 ug/mL |
| | | | | | | | PCB-115 | 10 ug/mL |
| | | | | | | | PCB-123 | 5 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 5 ug/mL |
| | | | | | | | PCB-131 | 5 ug/mL |
| | | | | | | | PCB-134 | 10 ug/mL |
| | | | | | | | PCB-134/143 | 5 ug/mL |
| | | | | | | | PCB-163 | 20 ug/mL |
| | | | | | | | PCB-180 | 10 ug/mL |
| | | | | | | | PCB-180/193 | 5 ug/mL |
| | | | | | | | PCB-21 | 5 ug/mL |
| | | | | | | | PCB-21/33 | 2.5 ug/mL |
| | | | | | | | PCB-25 | 2.5 ug/mL |
| | | | | | | | PCB-42 | 5 ug/mL |
| | | | | | | | PCB-44/47/65 | 5 ug/mL |
| | | | | | | | PCB-47 | 15 ug/mL |
| | | | | | | | PCB-49/69 | 5 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 5 ug/mL |
| | | | | | | | PCB-64 | 5 ug/mL |
| | | | | | | | PCB-69 | 10 ug/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-70 | 20 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 5 ug/mL |
| | | | | | | | PCB-97 | 30 ug/mL |
| | | | | | | | PCB-98/102 | 5 ug/mL |
| .61MXPCBMIX5S_00002 | 10/10/21 | AccuStandard, Lot 21110141 | | | (Purchased Reagent) | | PCB-1 | 2.5 ug/mL |
| | | | | | | | PCB-104 | 5 ug/mL |
| | | | | | | | PCB-110 | 10 ug/mL |
| | | | | | | | PCB-110/115 | 5 ug/mL |
| | | | | | | | PCB-125 | 30 ug/mL |
| | | | | | | | PCB-126 | 5 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 5 ug/mL |
| | | | | | | | PCB-138 | 20 ug/mL |
| | | | | | | | PCB-15 | 2.5 ug/mL |
| | | | | | | | PCB-155 | 5 ug/mL |
| | | | | | | | PCB-16 | 2.5 ug/mL |
| | | | | | | | PCB-169 | 5 ug/mL |
| | | | | | | | PCB-188 | 5 ug/mL |
| | | | | | | | PCB-189 | 5 ug/mL |
| | | | | | | | PCB-19 | 2.5 ug/mL |
| | | | | | | | PCB-202 | 7.5 ug/mL |
| | | | | | | | PCB-205 | 7.5 ug/mL |
| | | | | | | | PCB-206 | 7.5 ug/mL |
| | | | | | | | PCB-208 | 7.5 ug/mL |
| | | | | | | | PCB-209 | 7.5 ug/mL |
| | | | | | | | PCB-3 | 2.5 ug/mL |
| | | | | | | | PCB-37 | 2.5 ug/mL |
| | | | | | | | PCB-4 | 2.5 ug/mL |
| | | | | | | | PCB-43 | 10 ug/mL |
| | | | | | | | PCB-43/73 | 5 ug/mL |
| | | | | | | | PCB-44 | 15 ug/mL |
| | | | | | | | PCB-44/47/65 | 5 ug/mL |
| | | | | | | | PCB-54 | 5 ug/mL |
| | | | | | | | PCB-56 | 5 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 5 ug/mL |
| | | | | | | | PCB-74 | 20 ug/mL |
| | | | | | | | PCB-77 | 5 ug/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 5 ug/mL |
| | | | | | | | PCB-98 | 10 ug/mL |
| | | | | | | | PCB-98/102 | 5 ug/mL |
| .61XXCSSTOCKP_00002 | 06/22/20 | 09/15/16 | Nonane, Lot SHBD8765V | 4 mL | 61INPCB111LP_00002 | 0.5 mL | PCB-111L | 5000 ng/mL |
| | | | | | 61INPCB178LP_00002 | 0.5 mL | PCB-178L | 5000 ng/mL |
| | | | | | 61INPCB28LP_00002 | 0.5 mL | PCB-28L | 5000 ng/mL |
| ..61INPCB111LP_00002 | 06/22/20 | Cambridge, Lot SCJF-004 | | | (Purchased Reagent) | | PCB-111L | 40 ug/mL |
| ..61INPCB178LP_00002 | 06/22/20 | Cambridge, Lot SCHJ-007 | | | (Purchased Reagent) | | PCB-178L | 40 ug/mL |
| ..61INPCB28LP_00002 | 06/22/20 | Cambridge, Lot SCGL-005 | | | (Purchased Reagent) | | PCB-28L | 40 ug/mL |
| .61XXFS1668P_00002 | 05/05/20 | 03/28/16 | Nonane, Lot SHBD8765V | 3 mL | 61INPCB153LP_00002 | 0.375 mL | PCB-153L | 5000 ng/mL |
| | | | | | 61INPCB79LP_00002 | 0.375 mL | PCB-79L | 5000 ng/mL |
| | | | | | 61INPCB8LP_00002 | 0.375 mL | PCB-8L | 5000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | 61INPCB95LP_00002 | 0.3 mL | PCB-95L | 5000 ng/mL |
| ..61INPCB153LP_00002 | 05/05/20 | | Cambridge, Lot SCHB-017 | | (Purchased Reagent) | | PCB-153L | 40 ug/mL |
| ..61INPCB79LP_00002 | 05/05/20 | | Cambridge, Lot SCBH-001 | | (Purchased Reagent) | | PCB-79L | 40 ug/mL |
| ..61INPCB8LP_00002 | 05/05/20 | | Cambridge, Lot SCCC-016 | | (Purchased Reagent) | | PCB-8L | 40 ug/mL |
| ..61INPCB95LP_00002 | 05/05/20 | | Wellington, Lot MB0950206 | | (Purchased Reagent) | | PCB-95L | 50 ug/mL |
| **61RS1668WRK_00016** | 09/21/26 | 01/25/19 | NONANE, Lot SHBK4119 | 25 mL | 61XXRECSTOCK_00006 | 2.5 mL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |
| .61XXRECSTOCK_00006 | 09/21/26 | 10/30/18 | Nonane, Lot SHBK4119 | 10 mL | 61INPCB101LP_00003 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00003 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00003 | 250 uL | PCB-138L | 1000 ng/mL |
| | | | | | 61INPCB180LP_00003 | 250 uL | PCB-180L | 1000 ng/mL |
| | | | | | 61INPCB194LP_00003 | 250 uL | PCB-194L | 1000 ng/mL |
| | | | | | 61INPCB31LP_00003 | 200 uL | PCB-31L | 1000 ng/mL |
| | | | | | 61INPCB32LP_00003 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00003 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00003 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00003 | 09/21/26 | | Cambridge, Lot SDEL-009 | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00003 | 09/21/26 | | Cambridge, Lot SDAC-008 | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00003 | 09/21/26 | | Cambridge, Lot SDFC-020 | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |
| ..61INPCB180LP_00003 | 09/21/26 | | Canbridge, Lot SDEL-010 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00003 | 09/21/26 | | Cambridge, Lot SDFJ-013 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00003 | 09/21/26 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00003 | 09/21/26 | | Cambridge, Lot SDBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00003 | 09/21/26 | | Cambridge, Lot SDGA-008 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00003 | 09/21/26 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61RS1668WRK_00017** | 09/21/26 | 06/20/19 | NONANE, Lot SHBK7143 | 25 mL | 61XXRECSTOCK_00006 | 2.5 mL | PCB-101L | 100 ng/mL |
| | | | | | | | PCB-127L | 100 ng/mL |
| | | | | | | | PCB-138L | 100 ng/mL |
| | | | | | | | PCB-180L | 100 ng/mL |
| | | | | | | | PCB-194L | 100 ng/mL |
| | | | | | | | PCB-31L | 100 ng/mL |
| | | | | | | | PCB-32L | 100 ng/mL |
| | | | | | | | PCB-52L | 100 ng/mL |
| | | | | | | | PCB-9L | 100 ng/mL |
| .61XXRECSTOCK_00006 | 09/21/26 | 10/30/18 | Nonane, Lot SHBK4119 | 10 mL | 61INPCB101LP_00003 | 250 uL | PCB-101L | 1000 ng/mL |
| | | | | | 61INPCB127LP_00003 | 250 uL | PCB-127L | 1000 ng/mL |
| | | | | | 61INPCB138LP_00003 | 250 uL | PCB-138L | 1000 ng/mL |
| | | | | | 61INPCB180LP_00003 | 250 uL | PCB-180L | 1000 ng/mL |
| | | | | | 61INPCB194LP_00003 | 250 uL | PCB-194L | 1000 ng/mL |
| | | | | | 61INPCB31LP_00003 | 200 uL | PCB-31L | 1000 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | 61INPCB32LP_00003 | 250 uL | PCB-32L | 1000 ng/mL |
| | | | | | 61INPCB52LP_00003 | 250 uL | PCB-52L | 1000 ng/mL |
| | | | | | 61INPCB9LP_00003 | 250 uL | PCB-9L | 1000 ng/mL |
| ..61INPCB101LP_00003 | 09/21/26 | | Cambridge, Lot SDEL-009 | | (Purchased Reagent) | | PCB-101L | 40 ug/mL |
| ..61INPCB127LP_00003 | 09/21/26 | | Cambridge, Lot SDAC-008 | | (Purchased Reagent) | | PCB-127L | 40 ug/mL |
| ..61INPCB138LP_00003 | 09/21/26 | | Cambridge, Lot SDFC-020 | | (Purchased Reagent) | | PCB-138L | 40 ug/mL |
| ..61INPCB180LP_00003 | 09/21/26 | | Canbridge, Lot SDEL-010 | | (Purchased Reagent) | | PCB-180L | 40 ug/mL |
| ..61INPCB194LP_00003 | 09/21/26 | | Cambridge, Lot SDFJ-013 | | (Purchased Reagent) | | PCB-194L | 40 ug/mL |
| ..61INPCB31LP_00003 | 09/21/26 | | Wellington, Lot MB0310413 | | (Purchased Reagent) | | PCB-31L | 50 ug/mL |
| ..61INPCB32LP_00003 | 09/21/26 | | Cambridge, Lot SDBD-003 | | (Purchased Reagent) | | PCB-32L | 40 ug/mL |
| ..61INPCB52LP_00003 | 09/21/26 | | Cambridge, Lot SDGA-008 | | (Purchased Reagent) | | PCB-52L | 40 ug/mL |
| ..61INPCB9LP_00003 | 09/21/26 | | Cambridge, Lot SDAE-021 | | (Purchased Reagent) | | PCB-9L | 40 ug/mL |
| **61SP1668WRK_00004** | 07/17/29 | 07/29/19 | ACETONE, Lot 158570 | 200 mL | 61MXALL209P_00004 | 0.25 mL | PCB-1 | 5 ng/mL |
| | | | | | | | PCB-10 | 5 ng/mL |
| | | | | | | | PCB-100 | 10 ng/mL |
| | | | | | | | PCB-101 | 15 ng/mL |
| | | | | | | | PCB-102 | 10 ng/mL |
| | | | | | | | PCB-103 | 5 ng/mL |
| | | | | | | | PCB-104 | 5 ng/mL |
| | | | | | | | PCB-105 | 5 ng/mL |
| | | | | | | | PCB-106 | 5 ng/mL |
| | | | | | | | PCB-107 | 5 ng/mL |
| | | | | | | | PCB-108 | 10 ng/mL |
| | | | | | | | PCB-108/124 | 10 ng/mL |
| | | | | | | | PCB-109 | 30 ng/mL |
| | | | | | | | PCB-11 | 5 ng/mL |
| | | | | | | | PCB-110 | 10 ng/mL |
| | | | | | | | PCB-110/115 | 10 ng/mL |
| | | | | | | | PCB-111 | 5 ng/mL |
| | | | | | | | PCB-112 | 5 ng/mL |
| | | | | | | | PCB-113 | 15 ng/mL |
| | | | | | | | PCB-114 | 5 ng/mL |
| | | | | | | | PCB-115 | 10 ng/mL |
| | | | | | | | PCB-116 | 15 ng/mL |
| | | | | | | | PCB-117 | 15 ng/mL |
| | | | | | | | PCB-118 | 5 ng/mL |
| | | | | | | | PCB-119 | 30 ng/mL |
| | | | | | | | PCB-12 | 10 ng/mL |
| | | | | | | | PCB-12/13 | 10 ng/mL |
| | | | | | | | PCB-120 | 5 ng/mL |
| | | | | | | | PCB-121 | 5 ng/mL |
| | | | | | | | PCB-122 | 5 ng/mL |
| | | | | | | | PCB-123 | 5 ng/mL |
| | | | | | | | PCB-124 | 10 ng/mL |
| | | | | | | | PCB-125 | 30 ng/mL |
| | | | | | | | PCB-126 | 5 ng/mL |
| | | | | | | | PCB-127 | 5 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-128 | 10 ng/mL |
| | | | | | | | PCB-128/166 | 10 ng/mL |
| | | | | | | | PCB-129 | 20 ng/mL |
| | | | | | | | PCB-129/138/160/163 | 20 ng/mL |
| | | | | | | | PCB-13 | 10 ng/mL |
| | | | | | | | PCB-130 | 5 ng/mL |
| | | | | | | | PCB-131 | 5 ng/mL |
| | | | | | | | PCB-132 | 5 ng/mL |
| | | | | | | | PCB-133 | 5 ng/mL |
| | | | | | | | PCB-134 | 10 ng/mL |
| | | | | | | | PCB-134/143 | 10 ng/mL |
| | | | | | | | PCB-135 | 10 ng/mL |
| | | | | | | | PCB-135/151 | 10 ng/mL |
| | | | | | | | PCB-136 | 5 ng/mL |
| | | | | | | | PCB-137 | 5 ng/mL |
| | | | | | | | PCB-138 | 20 ng/mL |
| | | | | | | | PCB-139 | 10 ng/mL |
| | | | | | | | PCB-139/140 | 10 ng/mL |
| | | | | | | | PCB-14 | 5 ng/mL |
| | | | | | | | PCB-140 | 10 ng/mL |
| | | | | | | | PCB-141 | 5 ng/mL |
| | | | | | | | PCB-142 | 5 ng/mL |
| | | | | | | | PCB-143 | 10 ng/mL |
| | | | | | | | PCB-144 | 5 ng/mL |
| | | | | | | | PCB-145 | 5 ng/mL |
| | | | | | | | PCB-146 | 5 ng/mL |
| | | | | | | | PCB-147 | 10 ng/mL |
| | | | | | | | PCB-147/149 | 10 ng/mL |
| | | | | | | | PCB-148 | 5 ng/mL |
| | | | | | | | PCB-149 | 10 ng/mL |
| | | | | | | | PCB-15 | 5 ng/mL |
| | | | | | | | PCB-150 | 5 ng/mL |
| | | | | | | | PCB-151 | 10 ng/mL |
| | | | | | | | PCB-152 | 5 ng/mL |
| | | | | | | | PCB-153 | 10 ng/mL |
| | | | | | | | PCB-153/168 | 10 ng/mL |
| | | | | | | | PCB-154 | 5 ng/mL |
| | | | | | | | PCB-155 | 5 ng/mL |
| | | | | | | | PCB-156 | 10 ng/mL |
| | | | | | | | PCB-156/157 | 10 ng/mL |
| | | | | | | | PCB-157 | 10 ng/mL |
| | | | | | | | PCB-158 | 5 ng/mL |
| | | | | | | | PCB-159 | 5 ng/mL |
| | | | | | | | PCB-16 | 5 ng/mL |
| | | | | | | | PCB-160 | 20 ng/mL |
| | | | | | | | PCB-161 | 5 ng/mL |
| | | | | | | | PCB-162 | 5 ng/mL |
| | | | | | | | PCB-163 | 20 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-164 | 5 ng/mL |
| | | | | | | | PCB-165 | 5 ng/mL |
| | | | | | | | PCB-166 | 10 ng/mL |
| | | | | | | | PCB-167 | 5 ng/mL |
| | | | | | | | PCB-168 | 10 ng/mL |
| | | | | | | | PCB-169 | 5 ng/mL |
| | | | | | | | PCB-17 | 5 ng/mL |
| | | | | | | | PCB-170 | 5 ng/mL |
| | | | | | | | PCB-171 | 10 ng/mL |
| | | | | | | | PCB-171/173 | 10 ng/mL |
| | | | | | | | PCB-172 | 5 ng/mL |
| | | | | | | | PCB-173 | 10 ng/mL |
| | | | | | | | PCB-174 | 5 ng/mL |
| | | | | | | | PCB-175 | 5 ng/mL |
| | | | | | | | PCB-176 | 5 ng/mL |
| | | | | | | | PCB-177 | 5 ng/mL |
| | | | | | | | PCB-178 | 5 ng/mL |
| | | | | | | | PCB-179 | 5 ng/mL |
| | | | | | | | PCB-18 | 10 ng/mL |
| | | | | | | | PCB-18/30 | 10 ng/mL |
| | | | | | | | PCB-180 | 10 ng/mL |
| | | | | | | | PCB-180/193 | 10 ng/mL |
| | | | | | | | PCB-181 | 5 ng/mL |
| | | | | | | | PCB-182 | 5 ng/mL |
| | | | | | | | PCB-183 | 10 ng/mL |
| | | | | | | | PCB-183/185 | 10 ng/mL |
| | | | | | | | PCB-184 | 5 ng/mL |
| | | | | | | | PCB-185 | 10 ng/mL |
| | | | | | | | PCB-186 | 5 ng/mL |
| | | | | | | | PCB-187 | 5 ng/mL |
| | | | | | | | PCB-188 | 5 ng/mL |
| | | | | | | | PCB-189 | 5 ng/mL |
| | | | | | | | PCB-19 | 5 ng/mL |
| | | | | | | | PCB-190 | 5 ng/mL |
| | | | | | | | PCB-191 | 5 ng/mL |
| | | | | | | | PCB-192 | 5 ng/mL |
| | | | | | | | PCB-193 | 10 ng/mL |
| | | | | | | | PCB-194 | 5 ng/mL |
| | | | | | | | PCB-195 | 5 ng/mL |
| | | | | | | | PCB-196 | 5 ng/mL |
| | | | | | | | PCB-197 | 5 ng/mL |
| | | | | | | | PCB-198 | 10 ng/mL |
| | | | | | | | PCB-198/199 | 10 ng/mL |
| | | | | | | | PCB-199 | 10 ng/mL |
| | | | | | | | PCB-2 | 5 ng/mL |
| | | | | | | | PCB-20 | 10 ng/mL |
| | | | | | | | PCB-20/28 | 10 ng/mL |
| | | | | | | | PCB-200 | 5 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-201 | 5 ng/mL |
| | | | | | | | PCB-202 | 5 ng/mL |
| | | | | | | | PCB-203 | 5 ng/mL |
| | | | | | | | PCB-204 | 5 ng/mL |
| | | | | | | | PCB-205 | 5 ng/mL |
| | | | | | | | PCB-206 | 5 ng/mL |
| | | | | | | | PCB-207 | 5 ng/mL |
| | | | | | | | PCB-208 | 5 ng/mL |
| | | | | | | | PCB-209 | 5 ng/mL |
| | | | | | | | PCB-21 | 10 ng/mL |
| | | | | | | | PCB-21/33 | 10 ng/mL |
| | | | | | | | PCB-22 | 5 ng/mL |
| | | | | | | | PCB-23 | 5 ng/mL |
| | | | | | | | PCB-24 | 5 ng/mL |
| | | | | | | | PCB-25 | 5 ng/mL |
| | | | | | | | PCB-26 | 10 ng/mL |
| | | | | | | | PCB-26/29 | 10 ng/mL |
| | | | | | | | PCB-27 | 5 ng/mL |
| | | | | | | | PCB-28 | 10 ng/mL |
| | | | | | | | PCB-29 | 10 ng/mL |
| | | | | | | | PCB-3 | 5 ng/mL |
| | | | | | | | PCB-30 | 10 ng/mL |
| | | | | | | | PCB-31 | 5 ng/mL |
| | | | | | | | PCB-32 | 5 ng/mL |
| | | | | | | | PCB-33 | 10 ng/mL |
| | | | | | | | PCB-34 | 5 ng/mL |
| | | | | | | | PCB-35 | 5 ng/mL |
| | | | | | | | PCB-36 | 5 ng/mL |
| | | | | | | | PCB-37 | 5 ng/mL |
| | | | | | | | PCB-38 | 5 ng/mL |
| | | | | | | | PCB-39 | 5 ng/mL |
| | | | | | | | PCB-4 | 5 ng/mL |
| | | | | | | | PCB-40 | 15 ng/mL |
| | | | | | | | PCB-40/41/71 | 15 ng/mL |
| | | | | | | | PCB-41 | 15 ng/mL |
| | | | | | | | PCB-42 | 5 ng/mL |
| | | | | | | | PCB-43 | 10 ng/mL |
| | | | | | | | PCB-43/73 | 10 ng/mL |
| | | | | | | | PCB-44 | 15 ng/mL |
| | | | | | | | PCB-44/47/65 | 15 ng/mL |
| | | | | | | | PCB-45 | 10 ng/mL |
| | | | | | | | PCB-45/51 | 10 ng/mL |
| | | | | | | | PCB-46 | 5 ng/mL |
| | | | | | | | PCB-47 | 15 ng/mL |
| | | | | | | | PCB-48 | 5 ng/mL |
| | | | | | | | PCB-49 | 10 ng/mL |
| | | | | | | | PCB-49/69 | 10 ng/mL |
| | | | | | | | PCB-5 | 5 ng/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-50 | 10 ng/mL |
| | | | | | | | PCB-50/53 | 10 ng/mL |
| | | | | | | | PCB-51 | 10 ng/mL |
| | | | | | | | PCB-52 | 5 ng/mL |
| | | | | | | | PCB-53 | 10 ng/mL |
| | | | | | | | PCB-54 | 5 ng/mL |
| | | | | | | | PCB-55 | 5 ng/mL |
| | | | | | | | PCB-56 | 5 ng/mL |
| | | | | | | | PCB-57 | 5 ng/mL |
| | | | | | | | PCB-58 | 5 ng/mL |
| | | | | | | | PCB-59 | 15 ng/mL |
| | | | | | | | PCB-59/62/75 | 15 ng/mL |
| | | | | | | | PCB-6 | 5 ng/mL |
| | | | | | | | PCB-60 | 5 ng/mL |
| | | | | | | | PCB-61 | 20 ng/mL |
| | | | | | | | PCB-61/70/74/76 | 20 ng/mL |
| | | | | | | | PCB-62 | 15 ng/mL |
| | | | | | | | PCB-63 | 5 ng/mL |
| | | | | | | | PCB-64 | 5 ng/mL |
| | | | | | | | PCB-65 | 15 ng/mL |
| | | | | | | | PCB-66 | 5 ng/mL |
| | | | | | | | PCB-67 | 5 ng/mL |
| | | | | | | | PCB-68 | 5 ng/mL |
| | | | | | | | PCB-69 | 10 ng/mL |
| | | | | | | | PCB-7 | 5 ng/mL |
| | | | | | | | PCB-70 | 20 ng/mL |
| | | | | | | | PCB-71 | 15 ng/mL |
| | | | | | | | PCB-72 | 5 ng/mL |
| | | | | | | | PCB-73 | 10 ng/mL |
| | | | | | | | PCB-74 | 20 ng/mL |
| | | | | | | | PCB-75 | 15 ng/mL |
| | | | | | | | PCB-76 | 20 ng/mL |
| | | | | | | | PCB-77 | 5 ng/mL |
| | | | | | | | PCB-78 | 5 ng/mL |
| | | | | | | | PCB-79 | 5 ng/mL |
| | | | | | | | PCB-8 | 5 ng/mL |
| | | | | | | | PCB-80 | 5 ng/mL |
| | | | | | | | PCB-81 | 5 ng/mL |
| | | | | | | | PCB-82 | 5 ng/mL |
| | | | | | | | PCB-83 | 10 ng/mL |
| | | | | | | | PCB-83/99 | 10 ng/mL |
| | | | | | | | PCB-84 | 5 ng/mL |
| | | | | | | | PCB-85 | 15 ng/mL |
| | | | | | | | PCB-85/116/117 | 15 ng/mL |
| | | | | | | | PCB-86 | 30 ng/mL |
| | | | | | | | PCB-86/87/97/109/119/125 | 30 ng/mL |
| | | | | | | | PCB-87 | 30 ng/mL |
| | | | | | | | PCB-88 | 10 ng/mL |

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-88/91 | 10 ng/mL |
| | | | | | | | PCB-89 | 5 ng/mL |
| | | | | | | | PCB-9 | 5 ng/mL |
| | | | | | | | PCB-90 | 15 ng/mL |
| | | | | | | | PCB-90/101/113 | 15 ng/mL |
| | | | | | | | PCB-91 | 10 ng/mL |
| | | | | | | | PCB-92 | 5 ng/mL |
| | | | | | | | PCB-93 | 10 ng/mL |
| | | | | | | | PCB-93/100 | 10 ng/mL |
| | | | | | | | PCB-94 | 5 ng/mL |
| | | | | | | | PCB-95 | 5 ng/mL |
| | | | | | | | PCB-96 | 5 ng/mL |
| | | | | | | | PCB-97 | 30 ng/mL |
| | | | | | | | PCB-98 | 10 ng/mL |
| | | | | | | | PCB-98/102 | 10 ng/mL |
| | | | | | | | PCB-99 | 10 ng/mL |
| .61MXALL209P_00004 | 09/17/19 | AccuStandard, Lot 209091190 | | | (Purchased Reagent) | | PCB-1 | 4 ug/mL |
| | | | | | | | PCB-10 | 4 ug/mL |
| | | | | | | | PCB-100 | 8 ug/mL |
| | | | | | | | PCB-101 | 12 ug/mL |
| | | | | | | | PCB-102 | 8 ug/mL |
| | | | | | | | PCB-103 | 4 ug/mL |
| | | | | | | | PCB-104 | 4 ug/mL |
| | | | | | | | PCB-105 | 4 ug/mL |
| | | | | | | | PCB-106 | 4 ug/mL |
| | | | | | | | PCB-107 | 4 ug/mL |
| | | | | | | | PCB-108 | 8 ug/mL |
| | | | | | | | PCB-108/124 | 8 ug/mL |
| | | | | | | | PCB-109 | 24 ug/mL |
| | | | | | | | PCB-11 | 4 ug/mL |
| | | | | | | | PCB-110 | 8 ug/mL |
| | | | | | | | PCB-110/115 | 8 ug/mL |
| | | | | | | | PCB-111 | 4 ug/mL |
| | | | | | | | PCB-112 | 4 ug/mL |
| | | | | | | | PCB-113 | 12 ug/mL |
| | | | | | | | PCB-114 | 4 ug/mL |
| | | | | | | | PCB-115 | 8 ug/mL |
| | | | | | | | PCB-116 | 12 ug/mL |
| | | | | | | | PCB-117 | 12 ug/mL |
| | | | | | | | PCB-118 | 4 ug/mL |
| | | | | | | | PCB-119 | 24 ug/mL |
| | | | | | | | PCB-12 | 8 ug/mL |
| | | | | | | | PCB-12/13 | 8 ug/mL |
| | | | | | | | PCB-120 | 4 ug/mL |
| | | | | | | | PCB-121 | 4 ug/mL |
| | | | | | | | PCB-122 | 4 ug/mL |
| | | | | | | | PCB-123 | 4 ug/mL |
| | | | | | | | PCB-124 | 8 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-125 | 24 ug/mL |
| | | | | | | | PCB-126 | 4 ug/mL |
| | | | | | | | PCB-127 | 4 ug/mL |
| | | | | | | | PCB-128 | 8 ug/mL |
| | | | | | | | PCB-128/166 | 8 ug/mL |
| | | | | | | | PCB-129 | 16 ug/mL |
| | | | | | | | PCB-129/138/160/163 | 16 ug/mL |
| | | | | | | | PCB-13 | 8 ug/mL |
| | | | | | | | PCB-130 | 4 ug/mL |
| | | | | | | | PCB-131 | 4 ug/mL |
| | | | | | | | PCB-132 | 4 ug/mL |
| | | | | | | | PCB-133 | 4 ug/mL |
| | | | | | | | PCB-134 | 8 ug/mL |
| | | | | | | | PCB-134/143 | 8 ug/mL |
| | | | | | | | PCB-135 | 8 ug/mL |
| | | | | | | | PCB-135/151 | 8 ug/mL |
| | | | | | | | PCB-136 | 4 ug/mL |
| | | | | | | | PCB-137 | 4 ug/mL |
| | | | | | | | PCB-138 | 16 ug/mL |
| | | | | | | | PCB-139 | 8 ug/mL |
| | | | | | | | PCB-139/140 | 8 ug/mL |
| | | | | | | | PCB-14 | 4 ug/mL |
| | | | | | | | PCB-140 | 8 ug/mL |
| | | | | | | | PCB-141 | 4 ug/mL |
| | | | | | | | PCB-142 | 4 ug/mL |
| | | | | | | | PCB-143 | 8 ug/mL |
| | | | | | | | PCB-144 | 4 ug/mL |
| | | | | | | | PCB-145 | 4 ug/mL |
| | | | | | | | PCB-146 | 4 ug/mL |
| | | | | | | | PCB-147 | 8 ug/mL |
| | | | | | | | PCB-147/149 | 8 ug/mL |
| | | | | | | | PCB-148 | 4 ug/mL |
| | | | | | | | PCB-149 | 8 ug/mL |
| | | | | | | | PCB-15 | 4 ug/mL |
| | | | | | | | PCB-150 | 4 ug/mL |
| | | | | | | | PCB-151 | 8 ug/mL |
| | | | | | | | PCB-152 | 4 ug/mL |
| | | | | | | | PCB-153 | 8 ug/mL |
| | | | | | | | PCB-153/168 | 8 ug/mL |
| | | | | | | | PCB-154 | 4 ug/mL |
| | | | | | | | PCB-155 | 4 ug/mL |
| | | | | | | | PCB-156 | 8 ug/mL |
| | | | | | | | PCB-156/157 | 8 ug/mL |
| | | | | | | | PCB-157 | 8 ug/mL |
| | | | | | | | PCB-158 | 4 ug/mL |
| | | | | | | | PCB-159 | 4 ug/mL |
| | | | | | | | PCB-16 | 4 ug/mL |
| | | | | | | | PCB-160 | 16 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-161 | 4 ug/mL |
| | | | | | | | PCB-162 | 4 ug/mL |
| | | | | | | | PCB-163 | 16 ug/mL |
| | | | | | | | PCB-164 | 4 ug/mL |
| | | | | | | | PCB-165 | 4 ug/mL |
| | | | | | | | PCB-166 | 8 ug/mL |
| | | | | | | | PCB-167 | 4 ug/mL |
| | | | | | | | PCB-168 | 8 ug/mL |
| | | | | | | | PCB-169 | 4 ug/mL |
| | | | | | | | PCB-17 | 4 ug/mL |
| | | | | | | | PCB-170 | 4 ug/mL |
| | | | | | | | PCB-171 | 8 ug/mL |
| | | | | | | | PCB-171/173 | 8 ug/mL |
| | | | | | | | PCB-172 | 4 ug/mL |
| | | | | | | | PCB-173 | 8 ug/mL |
| | | | | | | | PCB-174 | 4 ug/mL |
| | | | | | | | PCB-175 | 4 ug/mL |
| | | | | | | | PCB-176 | 4 ug/mL |
| | | | | | | | PCB-177 | 4 ug/mL |
| | | | | | | | PCB-178 | 4 ug/mL |
| | | | | | | | PCB-179 | 4 ug/mL |
| | | | | | | | PCB-18 | 8 ug/mL |
| | | | | | | | PCB-18/30 | 8 ug/mL |
| | | | | | | | PCB-180 | 8 ug/mL |
| | | | | | | | PCB-180/193 | 8 ug/mL |
| | | | | | | | PCB-181 | 4 ug/mL |
| | | | | | | | PCB-182 | 4 ug/mL |
| | | | | | | | PCB-183 | 8 ug/mL |
| | | | | | | | PCB-183/185 | 8 ug/mL |
| | | | | | | | PCB-184 | 4 ug/mL |
| | | | | | | | PCB-185 | 8 ug/mL |
| | | | | | | | PCB-186 | 4 ug/mL |
| | | | | | | | PCB-187 | 4 ug/mL |
| | | | | | | | PCB-188 | 4 ug/mL |
| | | | | | | | PCB-189 | 4 ug/mL |
| | | | | | | | PCB-19 | 4 ug/mL |
| | | | | | | | PCB-190 | 4 ug/mL |
| | | | | | | | PCB-191 | 4 ug/mL |
| | | | | | | | PCB-192 | 4 ug/mL |
| | | | | | | | PCB-193 | 8 ug/mL |
| | | | | | | | PCB-194 | 4 ug/mL |
| | | | | | | | PCB-195 | 4 ug/mL |
| | | | | | | | PCB-196 | 4 ug/mL |
| | | | | | | | PCB-197 | 4 ug/mL |
| | | | | | | | PCB-198 | 8 ug/mL |
| | | | | | | | PCB-198/199 | 8 ug/mL |
| | | | | | | | PCB-199 | 8 ug/mL |
| | | | | | | | PCB-2 | 4 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-20 | 8 ug/mL |
| | | | | | | | PCB-20/28 | 8 ug/mL |
| | | | | | | | PCB-200 | 4 ug/mL |
| | | | | | | | PCB-201 | 4 ug/mL |
| | | | | | | | PCB-202 | 4 ug/mL |
| | | | | | | | PCB-203 | 4 ug/mL |
| | | | | | | | PCB-204 | 4 ug/mL |
| | | | | | | | PCB-205 | 4 ug/mL |
| | | | | | | | PCB-206 | 4 ug/mL |
| | | | | | | | PCB-207 | 4 ug/mL |
| | | | | | | | PCB-208 | 4 ug/mL |
| | | | | | | | PCB-209 | 4 ug/mL |
| | | | | | | | PCB-21 | 8 ug/mL |
| | | | | | | | PCB-21/33 | 8 ug/mL |
| | | | | | | | PCB-22 | 4 ug/mL |
| | | | | | | | PCB-23 | 4 ug/mL |
| | | | | | | | PCB-24 | 4 ug/mL |
| | | | | | | | PCB-25 | 4 ug/mL |
| | | | | | | | PCB-26 | 8 ug/mL |
| | | | | | | | PCB-26/29 | 8 ug/mL |
| | | | | | | | PCB-27 | 4 ug/mL |
| | | | | | | | PCB-28 | 8 ug/mL |
| | | | | | | | PCB-29 | 8 ug/mL |
| | | | | | | | PCB-3 | 4 ug/mL |
| | | | | | | | PCB-30 | 8 ug/mL |
| | | | | | | | PCB-31 | 4 ug/mL |
| | | | | | | | PCB-32 | 4 ug/mL |
| | | | | | | | PCB-33 | 8 ug/mL |
| | | | | | | | PCB-34 | 4 ug/mL |
| | | | | | | | PCB-35 | 4 ug/mL |
| | | | | | | | PCB-36 | 4 ug/mL |
| | | | | | | | PCB-37 | 4 ug/mL |
| | | | | | | | PCB-38 | 4 ug/mL |
| | | | | | | | PCB-39 | 4 ug/mL |
| | | | | | | | PCB-4 | 4 ug/mL |
| | | | | | | | PCB-40 | 12 ug/mL |
| | | | | | | | PCB-40/41/71 | 12 ug/mL |
| | | | | | | | PCB-41 | 12 ug/mL |
| | | | | | | | PCB-42 | 4 ug/mL |
| | | | | | | | PCB-43 | 8 ug/mL |
| | | | | | | | PCB-43/73 | 8 ug/mL |
| | | | | | | | PCB-44 | 12 ug/mL |
| | | | | | | | PCB-44/47/65 | 12 ug/mL |
| | | | | | | | PCB-45 | 8 ug/mL |
| | | | | | | | PCB-45/51 | 8 ug/mL |
| | | | | | | | PCB-46 | 4 ug/mL |
| | | | | | | | PCB-47 | 12 ug/mL |
| | | | | | | | PCB-48 | 4 ug/mL |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-49 | 8 ug/mL |
| | | | | | | | PCB-49/69 | 8 ug/mL |
| | | | | | | | PCB-5 | 4 ug/mL |
| | | | | | | | PCB-50 | 8 ug/mL |
| | | | | | | | PCB-50/53 | 8 ug/mL |
| | | | | | | | PCB-51 | 8 ug/mL |
| | | | | | | | PCB-52 | 4 ug/mL |
| | | | | | | | PCB-53 | 8 ug/mL |
| | | | | | | | PCB-54 | 4 ug/mL |
| | | | | | | | PCB-55 | 4 ug/mL |
| | | | | | | | PCB-56 | 4 ug/mL |
| | | | | | | | PCB-57 | 4 ug/mL |
| | | | | | | | PCB-58 | 4 ug/mL |
| | | | | | | | PCB-59 | 12 ug/mL |
| | | | | | | | PCB-59/62/75 | 12 ug/mL |
| | | | | | | | PCB-6 | 4 ug/mL |
| | | | | | | | PCB-60 | 4 ug/mL |
| | | | | | | | PCB-61 | 16 ug/mL |
| | | | | | | | PCB-61/70/74/76 | 16 ug/mL |
| | | | | | | | PCB-62 | 12 ug/mL |
| | | | | | | | PCB-63 | 4 ug/mL |
| | | | | | | | PCB-64 | 4 ug/mL |
| | | | | | | | PCB-65 | 12 ug/mL |
| | | | | | | | PCB-66 | 4 ug/mL |
| | | | | | | | PCB-67 | 4 ug/mL |
| | | | | | | | PCB-68 | 4 ug/mL |
| | | | | | | | PCB-69 | 8 ug/mL |
| | | | | | | | PCB-7 | 4 ug/mL |
| | | | | | | | PCB-70 | 16 ug/mL |
| | | | | | | | PCB-71 | 12 ug/mL |
| | | | | | | | PCB-72 | 4 ug/mL |
| | | | | | | | PCB-73 | 8 ug/mL |
| | | | | | | | PCB-74 | 16 ug/mL |
| | | | | | | | PCB-75 | 12 ug/mL |
| | | | | | | | PCB-76 | 16 ug/mL |
| | | | | | | | PCB-77 | 4 ug/mL |
| | | | | | | | PCB-78 | 4 ug/mL |
| | | | | | | | PCB-79 | 4 ug/mL |
| | | | | | | | PCB-8 | 4 ug/mL |
| | | | | | | | PCB-80 | 4 ug/mL |
| | | | | | | | PCB-81 | 4 ug/mL |
| | | | | | | | PCB-82 | 4 ug/mL |
| | | | | | | | PCB-83 | 8 ug/mL |
| | | | | | | | PCB-83/99 | 8 ug/mL |
| | | | | | | | PCB-84 | 4 ug/mL |
| | | | | | | | PCB-85 | 12 ug/mL |
| | | | | | | | PCB-85/116/117 | 12 ug/mL |
| | | | | | | | PCB-86 | 24 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---|---|---|---|---|---|---|---|---|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | PCB-86/87/97/109/119/125 | 24 ug/mL |
| | | | | | | | PCB-87 | 24 ug/mL |
| | | | | | | | PCB-88 | 8 ug/mL |
| | | | | | | | PCB-88/91 | 8 ug/mL |
| | | | | | | | PCB-89 | 4 ug/mL |
| | | | | | | | PCB-9 | 4 ug/mL |
| | | | | | | | PCB-90 | 12 ug/mL |
| | | | | | | | PCB-90/101/113 | 12 ug/mL |
| | | | | | | | PCB-91 | 8 ug/mL |
| | | | | | | | PCB-92 | 4 ug/mL |
| | | | | | | | PCB-93 | 8 ug/mL |
| | | | | | | | PCB-93/100 | 8 ug/mL |
| | | | | | | | PCB-94 | 4 ug/mL |
| | | | | | | | PCB-95 | 4 ug/mL |
| | | | | | | | PCB-96 | 4 ug/mL |
| | | | | | | | PCB-97 | 24 ug/mL |
| | | | | | | | PCB-98 | 8 ug/mL |
| | | | | | | | PCB-98/102 | 8 ug/mL |
| | | | | | | | PCB-99 | 8 ug/mL |

# Reagent

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# 61CV1668CS3_00006

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New Haven, CT 06513
USA

AccuStandard® Inc.

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Fax (203)786-5287
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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane
**Hazards:** *Refer to SDS for complete safety information*

**Signal Word: Danger**

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209
**Storage Condition:** Ambient (>5 °C)

**Certified Reference Material**

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1339
ilac-MRA

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[2] (µg/mL) | Certified Analyte Concentration[1] (µg/mL) |
|---|---|---|---|---|
| 2-Chlorobiphenyl | 2051-60-7 | 99.2 | 4.012 | 3.980 |
| 3-Chlorobiphenyl | 2051-61-8 | 99.0 | 4.000 | 3.960 |
| 4-Chlorobiphenyl | 2051-62-9 | 98.8 | 4.000 | 3.952 |
| 2,2'-Dichlorobiphenyl | 13029-08-8 | 100.0 | 4.020 | 4.020 |
| 2,3-Dichlorobiphenyl | 16605-91-7 | 99.4 | 4.004 | 3.980 |
| 2,3'-Dichlorobiphenyl | 25569-80-6 | 99.0 | 4.012 | 3.972 |
| 2,4-Dichlorobiphenyl | 33284-50-3 | 99.9 | 4.024 | 4.020 |
| 2,4'-Dichlorobiphenyl | 34883-43-7 | 99.4 | 4.008 | 3.984 |
| 2,5-Dichlorobiphenyl | 34883-39-1 | 99.0 | 4.016 | 3.976 |
| 2,6-Dichlorobiphenyl | 33146-45-1 | 100.0 | 4.012 | 4.012 |
| 3,3'-Dichlorobiphenyl | 2050-67-1 | 99.2 | 4.004 | 3.972 |
| 3,4-Dichlorobiphenyl | 2974-92-7 | 100.0 | 4.004 | 4.004 |
| 3,4'-Dichlorobiphenyl | 2974-90-5 | 99.0 | 4.008 | 3.968 |
| 3,5-Dichlorobiphenyl | 34883-41-5 | 99.9 | 4.036 | 4.032 |
| 4,4'-Dichlorobiphenyl | 2050-68-2 | 100.0 | 4.004 | 4.004 |
| 2,2',3-Trichlorobiphenyl | 38444-78-9 | 99.7 | 4.044 | 4.032 |
| 2,2',4-Trichlorobiphenyl | 37680-66-3 | 99.9 | 4.012 | 4.008 |
| 2,2',5-Trichlorobiphenyl | 37680-65-2 | 100.0 | 4.020 | 4.020 |
| 2,2',6-Trichlorobiphenyl | 38444-73-4 | 99.6 | 4.028 | 4.012 |
| 2,3,3'-Trichlorobiphenyl | 38444-84-7 | 99.0 | 4.036 | 3.996 |
| 2,3,4-Trichlorobiphenyl | 55702-46-0 | 99.0 | 4.008 | 3.968 |
| 2,3,4'-Trichlorobiphenyl | 38444-85-8 | 99.0 | 4.028 | 3.988 |
| 2,3,5-Trichlorobiphenyl | 55720-44-0 | 99.0 | 4.004 | 3.964 |
| 2,3,6-Trichlorobiphenyl | 55702-45-9 | 99.4 | 4.020 | 3.996 |
| 2,3',4-Trichlorobiphenyl | 55712-37-3 | 100.0 | 4.000 | 4.000 |
| 2,3',5-Trichlorobiphenyl | 38444-81-4 | 99.0 | 4.024 | 3.984 |
| 2,3',6-Trichlorobiphenyl | 38444-76-7 | 99.1 | 4.024 | 3.988 |
| 2,4,4'-Trichlorobiphenyl | 7012-37-5 | 100.0 | 4.000 | 4.000 |
| 2,4,5-Trichlorobiphenyl | 15862-07-4 | 99.0 | 4.036 | 3.996 |
| 2,4,6-Trichlorobiphenyl | 35693-92-6 | 100.0 | 4.024 | 4.024 |
| 2,4',5-Trichlorobiphenyl | 16606-02-3 | 100.0 | 4.020 | 4.020 |
| 2,4',6-Trichlorobiphenyl | 38444-77-8 | 99.0 | 4.024 | 3.984 |
| 2',3,4-Trichlorobiphenyl | 38444-86-9 | 99.0 | 4.036 | 3.996 |
| 2',3,5-Trichlorobiphenyl | 37680-68-5 | 99.0 | 4.000 | 3.960 |
| 3,3'-4-Trichlorobiphenyl | 37680-69-6 | 100.0 | 4.004 | 4.004 |
| 3,3',5-Trichlorobiphenyl | 38444-87-0 | 99.6 | 4.004 | 3.988 |
| 3,4,4'-Trichlorobiphenyl | 38444-90-5 | 99.7 | 4.004 | 3.992 |
| 3,4,5-Trichlorobiphenyl | 53555-66-1 | 99.0 | 4.008 | 3.968 |
| 3,4',5-Trichlorobiphenyl | 38444-88-1 | 99.6 | 4.024 | 4.008 |
| 2,2',3,3'-Tetrachlorobiphenyl | 38444-93-8 | 99.1 | 4.016 | 3.980 |
| 2,2',3,4-Tetrachlorobiphenyl | 52663-59-9 | 99.3 | 4.016 | 3.988 |
| 2,2',3,4'-Tetrachlorobiphenyl | 36559-22-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,5-Tetrachlorobiphenyl | 70362-46-8 | 99.9 | 4.012 | 4.008 |
| 2,2',3,5'-Tetrachlorobiphenyl | 41464-39-5 | 99.0 | 4.004 | 3.964 |



*For use in routine laboratory analysis.*

**AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015**

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New Haven, CT 06513
USA

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Fax (203)786-5287
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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,6-Tetrachlorobiphenyl | 70362-45-7 | 99.9 | 4.012 | 4.008 |
| 2,2',3,6'-Tetrachlorobiphenyl | 41464-47-5 | 99.4 | 4.004 | 3.980 |
| 2,2',4,4'-Tetrachlorobiphenyl | 2437-79-8 | 99.0 | 4.012 | 3.972 |
| 2,2',4,5-Tetrachlorobiphenyl | 70362-47-9 | 99.9 | 4.008 | 4.004 |
| 2,2',4,5'-Tetrachlorobiphenyl | 41464-40-8 | 99.0 | 4.016 | 3.976 |
| 2,2',4,6-Tetrachlorobiphenyl | 62796-65-0 | 100.0 | 4.004 | 4.004 |
| 2,2',4,6'-Tetrachlorobiphenyl | 68194-04-7 | 99.6 | 4.012 | 3.996 |
| 2,2',5,5'-Tetrachlorobiphenyl | 35693-99-3 | 99.0 | 4.008 | 3.968 |
| 2,2',5,6'-Tetrachlorobiphenyl | 41464-41-9 | 99.0 | 4.004 | 3.964 |
| 2,2',6,6'-Tetrachlorobiphenyl | 15968-05-5 | 99.4 | 4.028 | 4.004 |
| 2,3,3',4-Tetrachlorobiphenyl | 74338-24-2 | 99.7 | 4.016 | 4.004 |
| 2,3,3',4'-Tetrachlorobiphenyl | 41464-43-1 | 99.6 | 4.036 | 4.020 |
| 2,3,3',5-Tetrachlorobiphenyl | 70424-67-8 | 100.0 | 4.008 | 4.008 |
| 2,3,3',5'-Tetrachlorobiphenyl | 41464-49-7 | 99.0 | 4.028 | 3.988 |
| 2,3,3',6-Tetrachlorobiphenyl | 74472-33-6 | 98.5 | 4.012 | 3.952 |
| 2,3,4,4'-Tetrachlorobiphenyl | 33025-41-1 | 99.0 | 4.008 | 3.968 |
| 2,3,4,5-Tetrachlorobiphenyl | 33284-53-6 | 99.0 | 4.004 | 3.964 |
| 2,3,4,6-Tetrachlorobiphenyl | 54230-22-7 | 99.0 | 4.008 | 3.968 |
| 2,3,4',5-Tetrachlorobiphenyl | 74472-34-7 | 100.0 | 4.016 | 4.016 |
| 2,3,4',6-Tetrachlorobiphenyl | 52663-58-8 | 99.7 | 4.032 | 4.020 |
| 2,3,5,6-Tetrachlorobiphenyl | 33284-54-7 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4'-Tetrachlorobiphenyl | 32598-10-0 | 100.0 | 4.000 | 4.000 |
| 2,3',4,5-Tetrachlorobiphenyl | 73575-53-8 | 100.0 | 4.036 | 4.036 |
| 2,3',4,5'-Tetrachlorobiphenyl | 73575-52-7 | 99.9 | 4.004 | 4.000 |
| 2,3',4,6-Tetrachlorobiphenyl | 60233-24-1 | 99.9 | 4.024 | 4.020 |
| 2,3',4',5-Tetrachlorobiphenyl | 32598-11-1 | 99.0 | 4.000 | 3.960 |
| 2,3',4',6-Tetrachlorobiphenyl | 41464-46-4 | 100.0 | 4.016 | 4.016 |
| 2,3',5,5'-Tetrachlorobiphenyl | 41464-42-0 | 99.0 | 4.004 | 3.964 |
| 2,3',5',6-Tetrachlorobiphenyl | 74338-23-1 | 99.7 | 4.016 | 4.004 |
| 2,4,4',5-Tetrachlorobiphenyl | 32690-93-0 | 100.0 | 4.020 | 4.020 |
| 2,4,4',6-Tetrachlorobiphenyl | 32598-12-2 | 99.5 | 4.000 | 3.980 |
| 2',3,4,5-Tetrachlorobiphenyl | 70362-48-0 | 99.0 | 4.028 | 3.988 |
| 3,3',4,4'-Tetrachlorobiphenyl | 32598-13-3 | 99.0 | 4.000 | 3.960 |
| 3,3',4,5-Tetrachlorobiphenyl | 70362-49-1 | 99.0 | 4.024 | 3.984 |
| 3,3',4,5'-Tetrachlorobiphenyl | 41464-48-6 | 99.9 | 4.008 | 4.004 |
| 3,3',5,5'-Tetrachlorobiphenyl | 33284-52-5 | 99.0 | 4.028 | 3.988 |
| 3,4,4',5-Tetrachlorobiphenyl | 70362-50-4 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4-Pentachlorobiphenyl | 52663-62-4 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',5-Pentachlorobiphenyl | 60145-20-2 | 100.0 | 4.012 | 4.012 |
| 2,2',3,3',6-Pentachlorobiphenyl | 52663-60-2 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,4'-Pentachlorobiphenyl | 65510-45-4 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5-Pentachlorobiphenyl | 55312-69-1 | 100.0 | 4.008 | 4.008 |
| 2,2',3,4,5'-Pentachlorobiphenyl | 38380-02-8 | 99.5 | 4.020 | 4.000 |
| 2,2',3,4,6-Pentachlorobiphenyl | 55215-17-3 | 99.6 | 4.008 | 3.992 |
| 2,2',3,4,6'-Pentachlorobiphenyl | 73575-57-2 | 99.9 | 4.004 | 4.000 |
| 2,2',3,4',5-Pentachlorobiphenyl | 68194-07-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',6-Pentachlorobiphenyl | 68194-05-8 | 99.6 | 4.036 | 4.020 |
| 2,2',3,5,5'-Pentachlorobiphenyl | 52663-61-3 | 99.7 | 4.016 | 4.004 |
| 2,2',3,5,6-Pentachlorobiphenyl | 73575-56-1 | 99.8 | 4.028 | 4.020 |
| 2,2',3,5,6'-Pentachlorobiphenyl | 73575-55-0 | 100.0 | 4.016 | 4.016 |
| 2,2',3,5',6-Pentachlorobiphenyl | 38379-99-6 | 100.0 | 4.012 | 4.012 |
| 2,2',3,6,6'-Pentachlorobiphenyl | 73575-54-9 | 99.2 | 4.004 | 3.972 |
| 2,2',3',4,5-Pentachlorobiphenyl | 41464-51-1 | 99.0 | 4.020 | 3.980 |



*For use in routine laboratory analysis.*

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USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3',4,6-Pentachlorobiphenyl | 60233-25-2 | 99.3 | 4.024 | 3.996 |
| 2,2',4,4',5-Pentachlorobiphenyl | 38380-01-7 | 99.6 | 4.036 | 4.020 |
| 2,2',4,4',6-Pentachlorobiphenyl | 39485-83-1 | 99.9 | 4.012 | 4.008 |
| 2,2',4,5,5'-Pentachlorobiphenyl | 37680-73-2 | 99.0 | 4.008 | 3.968 |
| 2,2',4,5,6'-Pentachlorobiphenyl | 68194-06-9 | 99.3 | 4.000 | 3.972 |
| 2,2',4,5',6-Pentachlorobiphenyl | 60145-21-3 | 100.0 | 4.024 | 4.024 |
| 2,2',4,6,6'-Pentachlorobiphenyl | 56558-16-8 | 99.0 | 4.008 | 3.968 |
| 2,3,3',4,4'-Pentachlorobiphenyl | 32598-14-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,5-Pentachlorobiphenyl | 70424-69-0 | 99.6 | 4.008 | 3.992 |
| 2,3,3',4',5-Pentachlorobiphenyl | 70424-68-9 | 100.0 | 4.008 | 4.008 |
| 2,3,3',4,5'-Pentachlorobiphenyl | 70362-41-3 | 100.0 | 4.012 | 4.012 |
| 2,3,3',4,6-Pentachlorobiphenyl | 74472-35-8 | 100.0 | 4.024 | 4.024 |
| 2,3,3',4',6-Pentachlorobiphenyl | 38380-03-9 | 99.5 | 4.054 | 4.034 |
| 2,3,3',5,5'-Pentachlorobiphenyl | 39635-32-0 | 100.0 | 4.024 | 4.024 |
| 2,3,3',5,6-Pentachlorobiphenyl | 74472-36-9 | 99.8 | 4.032 | 4.024 |
| 2,3,3',5',6-Pentachlorobiphenyl | 68194-10-5 | 98.9 | 4.012 | 3.968 |
| 2,3,4,4',5-Pentachlorobiphenyl | 74472-37-0 | 99.0 | 4.020 | 3.980 |
| 2,3,4,4',6-Pentachlorobiphenyl | 74472-38-1 | 99.5 | 4.020 | 4.000 |
| 2,3,4,5,6-Pentachlorobiphenyl | 18259-05-7 | 99.0 | 4.020 | 3.980 |
| 2,3,4',5,6-Pentachlorobiphenyl | 68194-11-6 | 99.0 | 4.024 | 3.984 |
| 2,3',4,4',5-Pentachlorobiphenyl | 31508-00-6 | 100.0 | 4.008 | 4.008 |
| 2,3',4,4',6-Pentachlorobiphenyl | 56558-17-9 | 100.0 | 4.028 | 4.028 |
| 2,3',4,5,5'-Pentachlorobiphenyl | 68194-12-7 | 99.7 | 4.020 | 4.008 |
| 2,3',4,5',6-Pentachlorobiphenyl | 56558-18-0 | 99.2 | 4.016 | 3.984 |
| 2',3,3',4,5-Pentachlorobiphenyl | 76842-07-4 | 99.4 | 4.024 | 4.000 |
| 2',3,4,4',5-Pentachlorobiphenyl | 65510-44-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,5'-Pentachlorobiphenyl | 70424-70-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,6'-Pentachlorobiphenyl | 74472-39-2 | 99.1 | 4.008 | 3.972 |
| 3,3',4,4',5-Pentachlorobiphenyl | 57465-28-8 | 99.0 | 4.008 | 3.968 |
| 3,3',4,5,5'-Pentachlorobiphenyl | 39635-33-1 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl | 38380-07-3 | 99.7 | 4.024 | 4.012 |
| 2,2',3,3',4,5-Hexachlorobiphenyl | 55215-18-4 | 99.3 | 4.016 | 3.988 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl | 52663-66-8 | 99.3 | 4.020 | 3.992 |
| 2,2',3,3',4,6-Hexachlorobiphenyl | 61798-70-7 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,6'-Hexachlorobiphenyl | 38380-05-1 | 99.0 | 4.024 | 3.984 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl | 35694-04-3 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',5,6-Hexachlorobiphenyl | 52704-70-8 | 99.3 | 4.036 | 4.008 |
| 2,2',3,3',5,6'-Hexachlorobiphenyl | 52744-13-5 | 98.8 | 4.020 | 3.972 |
| 2,2',3,3',6,6'-Hexachlorobiphenyl | 38411-22-2 | 99.9 | 4.000 | 3.996 |
| 2,2',3,4,4',5-Hexachlorobiphenyl | 35694-06-5 | 99.0 | 4.032 | 3.992 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl | 35065-28-2 | 99.8 | 4.036 | 4.028 |
| 2,2',3,4,4',6-Hexachlorobiphenyl | 56030-56-9 | 99.4 | 4.004 | 3.980 |
| 2,2',3,4,4',6'-Hexachlorobiphenyl | 59291-64-4 | 99.6 | 4.012 | 3.996 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl | 52712-04-6 | 99.0 | 4.016 | 3.976 |
| 2,2',3,4,5,6-Hexachlorobiphenyl | 41411-61-4 | 99.0 | 4.012 | 3.972 |
| 2,2',3,4,5,6'-Hexachlorobiphenyl | 68194-15-0 | 99.0 | 4.008 | 3.968 |
| 2,2',3,4,5',6-Hexachlorobiphenyl | 68194-14-9 | 100.0 | 4.004 | 4.004 |
| 2,2',3,4,6,6'-Hexachlorobiphenyl | 74472-40-5 | 100.0 | 4.012 | 4.012 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl | 51908-16-8 | 98.9 | 4.012 | 3.968 |
| 2,2',3,4',5,6-Hexachlorobiphenyl | 68194-13-8 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl | 74472-41-6 | 99.5 | 4.004 | 3.984 |
| 2,2',3,4',5',6-Hexachlorobiphenyl | 38380-04-0 | 99.2 | 4.012 | 3.980 |
| 2,2',3,4',6,6'-Hexachlorobiphenyl | 68194-08-1 | 99.0 | 4.016 | 3.976 |



*For use in routine laboratory analysis.*

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,5,5',6-Hexachlorobiphenyl | 52663-63-5 | 100.0 | 4.004 | 4.004 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl | 68194-09-2 | 100.0 | 4.016 | 4.016 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl | 35065-27-1 | 99.6 | 4.004 | 3.988 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl | 60145-22-4 | 99.4 | 4.000 | 3.976 |
| 2,2',4,4',6,6'-Hexachlorobiphenyl | 33979-03-2 | 99.3 | 4.004 | 3.976 |
| 2,3,3',4,4',5-Hexachlorobiphenyl | 38380-08-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5'-Hexachlorobiphenyl | 69782-90-7 | 99.0 | 4.032 | 3.992 |
| 2,3,3',4,4',6-Hexachlorobiphenyl | 74472-42-7 | 100.0 | 4.000 | 4.000 |
| 2,3,3',4,5,5'-Hexachlorobiphenyl | 39635-35-3 | 100.0 | 4.008 | 4.008 |
| 2,3,3'4,5,6-Hexachlorobiphenyl | 41411-62-5 | 100.0 | 4.012 | 4.012 |
| 2,3,3',4,5',6-Hexachlorobiphenyl | 74472-43-8 | 98.8 | 4.004 | 3.956 |
| 2,3,3',4',5,5'-Hexachlorobiphenyl | 39635-34-2 | 100.0 | 4.016 | 4.016 |
| 2,3,3',4',5,6-Hexachlorobiphenyl | 74472-44-9 | 99.0 | 4.004 | 3.964 |
| 2,3,3',4',5',6-Hexachlorobiphenyl | 74472-45-0 | 99.7 | 4.000 | 3.988 |
| 2,3,3',5,5',6-Hexachlorobiphenyl | 74472-46-1 | 99.0 | 4.000 | 3.960 |
| 2,3,4,4',5,6-Hexachlorobiphenyl | 41411-63-6 | 99.0 | 4.016 | 3.976 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl | 52663-72-6 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4',5',6-Hexachlorobiphenyl | 59291-65-5 | 99.0 | 4.016 | 3.976 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl | 32774-16-6 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl | 35065-30-6 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',4,4',6-Heptachlorobiphenyl | 52663-71-5 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl | 52663-74-8 | 99.7 | 4.008 | 3.996 |
| 2,2',3,3',4,5,6-Heptachlorobiphenyl | 68194-16-1 | 100.0 | 4.000 | 4.000 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl | 38411-25-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl | 40186-70-7 | 99.6 | 4.000 | 3.984 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl | 52663-65-7 | 100.0 | 4.036 | 4.036 |
| 2,2',3,3',4',5,6-Heptachlorobiphenyl | 52663-70-4 | 100.0 | 4.024 | 4.024 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl | 52663-67-9 | 99.4 | 4.020 | 3.996 |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl | 52663-64-6 | 99.6 | 4.024 | 4.008 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl | 35065-29-3 | 99.7 | 4.008 | 3.996 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl | 74472-47-2 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl | 60145-23-5 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl | 52663-69-1 | 99.5 | 4.024 | 4.004 |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl | 74472-48-3 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl | 52712-05-7 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl | 74472-49-4 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl | 52663-68-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl | 74487-85-7 | 99.0 | 4.040 | 4.000 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl | 39635-31-9 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl | 41411-64-7 | 100.0 | 4.028 | 4.028 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl | 74472-50-7 | 99.5 | 4.024 | 4.004 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl | 74472-51-8 | 99.1 | 4.024 | 3.988 |
| 2,3,3',4',5,5',6-Heptachlorobiphenyl | 69782-91-8 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl | 35694-08-7 | 100.0 | 4.032 | 4.032 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl | 52663-78-2 | 99.8 | 4.008 | 4.000 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | 42740-50-1 | 99.3 | 4.012 | 3.984 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl | 33091-17-7 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6-Octachlorobiphenyl | 68194-17-2 | 99.2 | 4.016 | 3.984 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl | 52663-73-7 | 100.0 | 4.032 | 4.032 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | 40186-71-8 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6'-Octachlorobiphenyl | 52663-75-9 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl | 2136-99-4 | 98.0 | 4.016 | 3.936 |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl | 52663-76-0 | 100.0 | 4.028 | 4.028 |



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Rev. 5/18

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl | 74472-52-9 | 99.9 | 4.012 | 4.008 |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl | 74472-53-0 | 100.0 | 4.012 | 4.012 |
| 2,2',3,3',4,4',5,5',6-Octachlorobiphenyl | 40186-72-9 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl | 52663-79-3 | 99.0 | 4.020 | 3.980 |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl | 52663-77-1 | 99.8 | 4.020 | 4.012 |
| 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl | 2051-24-3 | 99.5 | 4.024 | 4.004 |

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 822/272103-05

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

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Certified By: _____
Larry Decker, Organic QC Manager

AccuStandard



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QR-ORG/INO-001
Rev. 5/18

# Reagent

# 61INISPCB170P_00001

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

Cert DX00716
Recd 10/8/14

| | |
|---|---|
| **Product Description:** | 2,2',3,3',4,4',5-HeptaCB (PCB-170) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4905-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-4905-3 (3 mL size) |
| **Lot Number:** | SDCL-004 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | February 26, 2013 |
| **Expiration Date:** | February 26, 2023 |

Recd 2 Ampoules
Exp 10/8/24 opened
A 6/20/16
B

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,3',4,4',5-HeptaCB ($^{13}C_{12}$, 99%) | 170 | 100% | 40 ± 2 | 40.0 | 40.5 ± 0.3 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INISPCB170P_00002

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

Cert: DX

| | |
|---|---|
| **Product Description:** | 2,2',3,3',4,4',5-HeptaCB (PCB-170) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4905-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-4905-3 (3 mL size) |
| **Lot Number:** | SDCL-004 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | February 26, 2013 |
| **Expiration Date:** | February 26, 2023 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,3',4,4',5-HeptaCB ($^{13}C_{12}$, 99%) | 170 | 100% | 40 ± 2 | 40.0 | 40.5 ± 0.3 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey

Quality Assurance

# Reagent

# 61INPCB101LP_00002

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# CERTIFICATE OF ANALYSIS

61INPCB101LP.00002

DX0070
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 2,2',4,5,5'-PentaCB (PCB-101) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1405-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1405-3 (3 mL size) |
| **Lot Number:** | SDBA-020 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | February 15, 2011 |
| **Expiration Date:** | February 15, 2021 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',4,5,5'-PentaCB ($^{13}C_{12}$, 99%) | 101 | 99.7% | 40 ± 2 | 40.0 | 40.8 ± 2.0 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INPCB101LP_00003

# Cambridge Isotope Laboratories, Inc. Certificate of Analysis

**Quality Standards:**
**ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP**

Cert DX0092/
Recd 9/21/16
Exp 9/21/26

| | |
|---|---|
| **Product Description:** | 2,2',4,5,5'-PentaCB (PCB-101) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1405-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1405-3 (3 mL size) |
| **Lot Number:** | SDEL-009 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature away from light and moisture |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | December 16, 2015 |
| **Expiration Date:** | December 16, 2025 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',4,5,5'-PentaCB ($^{13}C_{12}$, 99%) | 101 | 99.8% | 40 ± 2 | 40.0 ± 0.4 | 37.8 ± 0.4 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Review

# Reagent

# 61INPCB111LP_00002

Cambridge Isotope Laboratories, Inc.

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www.isotope.com

# CERTIFICATE OF ANALYSIS

6|INPCB|11LP.0002

Cert DX0059
Recd 6/22/10
Exp 6/22/20

| | |
|---|---|
| **Product Description:** | 2,3,3',5,5'-PentaCB (PCB-111) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1415-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1415-3 (3 mL size) |
| **Lot Number:** | SCJF-004 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | September 18, 2009 |
| **Expiration Date:** | September 18, 2019 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,3,3',5,5'-PentaCB ($^{13}C_{12}$, 99%) | 111 | 100.0% | 40 ± 2 | 40.0 | 39.3 ± 1.3 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INPCB127LP_00002

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

L1INPCB127LP.00002

Cert DX0071
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 3,3',4,5,5'-PentaCB (PCB-127) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1421-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1421-3 (3 mL size) |
| **Lot Number:** | SDAC-008 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | April 23, 2010 |
| **Expiration Date:** | April 23, 2020 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 3,3',4,5,5'-PentaCB ($^{13}C_{12}$, 99%) | 127 | 100% | 40 ± 2 | 40.0 | 41.6 ± 1.5 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Tim Eckersley

Quality Control Manager

# Reagent

# 61INPCB127LP_00003

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

**Quality Standards:**
**ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP**

Cert OX0082
Recd 9/21/16
Exp 9/21/26

| | |
|---|---|
| **Product Description:** | 3,3',4,5,5'-PentaCB (PCB-127) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1421-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1421-3 (3 mL size) |
| **Lot Number:** | SDAC-008 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | April 23, 2010 |
| **Expiration Date:** | April 23, 2020 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 3,3',4,5,5'-PentaCB ($^{13}C_{12}$, 99%) | 127 | 100% | 40 ± 2 | 40.0 | 41.6 ± 1.5 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Tim Eckersley
Quality Control Manager

# Reagent

# 61INPCB138LP_00002

Cambridge Isotope Laboratories, Inc.

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800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

6LINPCB138LP.00002

Cert DX0072
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 2,2',3,4,4',5'-HexaCB (PCB-138) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1436-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1436-3 (3 mL size) |
| **Lot Number:** | SDAC-020 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | May 27, 2010 |
| **Expiration Date:** | May 27, 2020 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,4,4',5'-HexaCB ($^{13}C_{12}$, 99%) | 138 | >99% | 40 ± 2 | 40.0 | 38.2 ± 2.6 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Tim Eckersley

Quality Control Manager

# Reagent

# 61INPCB138LP_00003

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

**Quality Standards:**
ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP

Cert PX0093
Rec'd 9/21/16
Exp 9/21/26

| | |
|---|---|
| **Product Description:** | 2,2',3,4,4',5'-HexaCB (PCB-138) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1436-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1436-3 (3 mL size) |
| **Lot Number:** | SDFC-020 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | April 30, 2015 |
| **Expiration Date:** | April 30, 2025 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,4,4',5'-HexaCB ($^{13}C_{12}$, 99%) | 138 | 99.4% | 40 ± 2 | 40.2 | 40.7 ± 0.9 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Review

# Reagent

# 61INPCB153LP_00002

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www.isotope.com

# CERTIFICATE OF ANALYSIS

61INPCB153LP.00002
Cert 0X0047
Recd 5/5/10
opened 5/6/10
Exp 5/5/20

| | |
|---|---|
| **Product Description:** | 2,2',4,4',5,5'-HexaCB (PCB-153) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1406-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1406-3 (3 mL size) |
| **Lot Number:** | SCHB-017 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | September 20, 2007 |
| **Expiration Date:** | September 20, 2017 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, K=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',4,4',5,5'-HexaCB ($^{13}C_{12}$, 99%) | 153 | 99.6% | 40 ± 2 | 40.0 | 38.1 ± 0.3 (K=2) |

**Notes**:

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (K) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Tim Eckersley
Quality Control Manager

# Reagent

# 61INPCB178LP_00002

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www.isotope.com

# CERTIFICATE OF ANALYSIS

61 IN PCB178LP.00002

| | |
|---|---|
| **Product Description:** | 2,2',3,3',5,5',6-HeptaCB (PCB-178) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1417-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1417-3 (3 mL size) |
| **Lot Number:** | SCHJ-007 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | December 5, 2007 |
| **Expiration Date:** | December 5, 2017 |

Cert DX0060
Recd 6/22/10
Exp 6/22/20

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,3',5,5',6-HeptaCB ($^{13}C_{12}$, 99%) | 178 | 99.5% | 40 ± 2 | 40.0 | 39.7 ± 1.2 |

**Notes**:

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Tim Eckersley
Quality Control Manager

# Reagent

# 61INPCB180LP_00002

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# CERTIFICATE OF ANALYSIS

61INPCB180LP.0002

Cert DX0073
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 2,2',3,4,4',5,5'-HeptaCB (PCB-180) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1407-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1407-3 (3 mL size) |
| **Lot Number:** | SDDD-017 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | August 26, 2013 |
| **Expiration Date:** | August 26, 2023 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,4,4',5,5'-HeptaCB ($^{13}C_{12}$, 99%) | 180 | 99.8% | 40 ± 2 | 40.1 | 40.5 ± 3.2 |

**Notes**:

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INPCB180LP_00003

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

**Quality Standards:**
**ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP**

Cert 0X0084
Recd 9/24/26
Exp 9/30/26

| | |
|---|---|
| **Product Description:** | 2,2',3,4,4',5,5'-HeptaCB (PCB-180) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1407-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1407-3 (3 mL size) |
| **Lot Number:** | SDEL-010 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | April 14, 2015 |
| **Expiration Date:** | April 14, 2025 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,4,4',5,5'-HeptaCB ($^{13}C_{12}$, 99%) | 180 | 100% | 40 ± 2 | 40.0 | 40.9 ± 3.1 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INPCB194LP_00002

Cambridge Isotope Laboratories, Inc.

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www.isotope.com

# CERTIFICATE OF ANALYSIS

61INPCB194LP.00002

Cert DX0074
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 2,2',3,3',4,4',5,5'-OctaCB (PCB-194) ($^{13}C_{12}$, 98%) |
| **Catalog Number:** | EC-1418-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1418-3 (3 mL size) |
| **Lot Number:** | SDCF-008 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | November 7, 2012 |
| **Expiration Date:** | November 7, 2022 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,3',4,4',5,5'-OctaCB ($^{13}C_{12}$, 98%) | 194 | 99.4% | 40 ± 2 | 40.0 | 39.5 ± 1.1 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey

Quality Assurance

# Reagent

# 61INPCB194LP_00003

# Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

**Quality Standards:**
ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP

Cert PX0085
Recd 9/21/16
Exp 9/21/26

**Product Name:** 2,2',3,3',4,4',5,5'-OCTACB (PCB-194)
(Isotopic Label & Enrichment Specification) (13C12, 98%) 40+/-2 UG/ML IN NONANE

**Lot Number:** SDFJ-013

**Catalog Number:** EC-1418-0

## Product Information

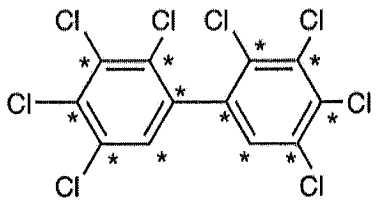
Chemical Purity Specification: ≥ 98%

MW*: 441.68
** For isotopically labeled compounds, MW listed is for the fully enriched product.*

Labeled CAS Number: 208263-74-5

Unlabeled CAS Number: 35694-08-7

Chemical Formula: *C12H2Cl8




Storage: Store at room temperature away from light and moisture.
Stability: Stable if stored under recommended conditions.

## Certification

Cambridge Isotope Laboratories, Inc. guarantees that this material meets or exceeds the specifications stated. Absolute identity as well as chemical and isotopic purities are assured by the use of unambiguous synthetic routes and multiple chemical analyses whenever possible. Results are representative of QC testing at time of release from Quality Control unless otherwise stated.

Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCL Z540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments.

This COA references the bulk catalog number before packaging. The COA also applies to the CIL finished good catalog number . Some possible packaging sizes and their corresponding suffix are -1.2, -1, -0.5, -10, or -0.1.

**Approved by:** Sashi Sivendran-Basak

Sashi Sivendran-Basak, Ph.D., Quality Review

## Quality Control Tests and Results

| | |
|---|---|
| QC Release Date | 03/18/2016 |
| Expiration Date | 03/18/2026 |
| Concentration Based on Gravimetry | 40.0 ± 0.5 µg/mL (k=2) |
| Chemical Purity of Neat Material(s) | 99.6% |
| GC/ECD for Concentration | 41.5 ± 4.8 µg/mL (k=2) |

# Reagent

# 61INPCB28LP_00002

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

61INPCB28LP.0002

Cert DX0058
Recd 6/22/10
Exp 6/22/20

| | |
|---|---|
| **Product Description:** | 2,4,4'-TriCB (PCB-28) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1413-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1413-3 (3 mL size) |
| **Lot Number:** | SCGL-005 |
| **Solvent:** | n-Nonane |
| **Chemical Purity:** | ≥98% |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | March 30, 2007 |
| **Expiration Date:** | March 30, 2017 |

| Component | PCB # | Target Concentration (µg/mL) | Analyzed Concentration ± Uncertainty (µg/mL) |
|---|---|---|---|
| 2,4,4'-TriCB ($^{13}C_{12}$, 99%) | 28 | 40 ± 2 | 39.6 ± 0.5 (k=2) |

**Notes**:

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS.
- The Standard deviation (±2σ) was determined from multiple analyses (GC/MS or GC ECD) of the same sample.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Tim Eckersley

Quality Control Manager

# Reagent

# 61INPCB31LP_00002

# WELLINGTON LABORATORIES

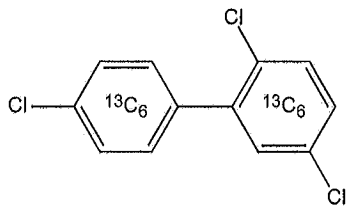
## CERTIFICATE OF ANALYSIS
DOCUMENTATION

61INPCB3LP.00002

**PRODUCT CODE:** MBP-31
**COMPOUND:** 2,4',5-Trichloro[$^{13}C_{12}$]biphenyl

**LOT NUMBER:** MB0310413

**STRUCTURE:**




**CAS #:** Not available

| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_{12}H_7Cl_3$ | **MOLECULAR WEIGHT:** | 269.45 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Nonane<br>Toluene (10%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% |
| **LAST TESTED:** (mm/dd/yyyy) | 04/09/2013 (HRGC/LRMS)<br>04/08/2013 (HRGC/HRMS) | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 01/01/2020 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

Cert DX00666
Rec'd 2/3/14
Exp 2/3/24

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: HRGC/LRMS Data (TIC and Mass Spectrum)
Figure 2: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains ~ 0.2% of a trichloro[$^{13}C_{12}$]biphenyl impurity and ~ 0.2% of a tetrachloro[$^{13}C_{12}$]biphenyl impurity.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 04/23/2013
B.G. Chittim (mm/dd/yyyy)

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

# Reagent

# 61INPCB31LP_00003

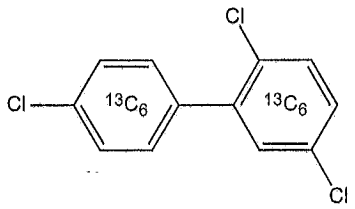
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** MBP-31
**COMPOUND:** 2,4',5-Trichloro[$^{13}C_{12}$]biphenyl

**LOT NUMBER:** MB0310413

**STRUCTURE:**




**CAS #:** Not available

Recd 9/19/16
Exp 9/19/26

Cert DX0084

| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_{12}H_7Cl_3$ | **MOLECULAR WEIGHT:** | 269.45 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Nonane<br>Toluene (10%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% |
| **LAST TESTED:** (mm/dd/yyyy) | 04/09/2013 (HRGC/LRMS)<br>04/08/2013 (HRGC/HRMS) | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 01/01/2020 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: HRGC/LRMS Data (TIC and Mass Spectrum)
Figure 2: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains ~ 0.2% of a trichloro[$^{13}C_{12}$]biphenyl impurity and ~ 0.2% of a tetrachloro[$^{13}C_{12}$]biphenyl impurity.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** B.G. Chittim **Date:** 03/27/2015 (mm/dd/yyyy)

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HAZARDS:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Where possible, all of our products are synthesized using single-product unambiguous routes. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1, x_2, \ldots x_n$ on which it depends is:

$$u_c(y(x_1, x_2, \ldots x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly tested by an external ISO/IEC 17025 accredited calibration company. In addition, their calibration is verified prior to each weighing using NIST and/or NRC traceable external weights. All volumetric glassware used is of Class A tolerance and has been tested according to the appropriate ASTM procedures, which are ultimately traceable to NIST. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO GUIDE 34 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA Testing Accreditation No. A1226

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

# Reagent

# 61INPCB32LP_00002

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

61INPCB32LP.00002

DX0068
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 2,4',6-TriCB (PCB-32) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4163-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-4163-3 (3 mL size) |
| **Lot Number:** | SDBD-003 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | August 1, 2011 |
| **Expiration Date:** | August 1, 2021 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,4',6-TriCB ($^{13}C_{12}$, 99%) | 32 | 99.9% | 40 ± 2 | 40.0 | 38.5 ± 1.1 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INPCB32LP_00003

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

**Quality Standards:**
ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP

Cert DX0089
Recd 9/21/16
Exp 9/21/26

| | |
|---|---|
| **Product Description:** | 2,4',6-TriCB (PCB-32) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4163-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-4163-3 (3 mL size) |
| **Lot Number:** | SDBD-003 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | August 1, 2011 |
| **Expiration Date:** | August 1, 2021 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,4',6-TriCB ($^{13}C_{12}$, 99%) | 32 | 99.9% | 40 ± 2 | 40.0 | 38.5 ± 1.1 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INPCB52LP_00002

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

61INPCB52LP.00002

DX0069
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 2,2',5,5'-TetraCB (PCB-52) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-1424-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-1424-3 (3 mL size) |
| **Lot Number:** | SDAK-002 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | December 8, 2010 |
| **Expiration Date:** | December 8, 2020 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,2',5,5'-TetraCB ($^{13}C_{12}$, 99%) | 52 | 100% | 40 ± 2 | 40.0 | 41.1 ± 3.1 |

**Notes**:

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey

Quality Assurance

# Reagent

# 61INPCB52LP_00003

# Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

**Quality Standards:**
ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP

Cert DX0090
Recd 9/21/16
Exp 9/21/26

**Product Name:** 2,2',5,5'-TETRACB (PCB-52)
(Isotopic Label & Enrichment Specification) (13C12, 99%) 40+/-2 UG/ML IN NONANE

**Lot Number:** SDGA-008

**Catalog Number:** EC-1424-0

## Product Information

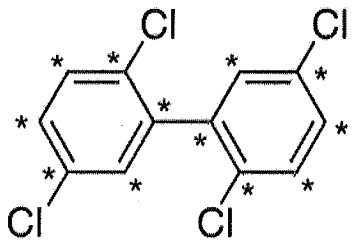
Chemical Purity Specification: ≥ 98%

MW*: 303.9
** For isotopically labeled compounds, MW listed is for the fully enriched product.*

Labeled CAS Number: 208263-80-3

Unlabeled CAS Number: 35693-99-3

Chemical Formula: *C12H6Cl4




Storage:
Stability: Store at room temperature away from light and moisture.

## Certification

Cambridge Isotope Laboratories, Inc. guarantees that this material meets or exceeds the specifications stated. Absolute identity as well as chemical and isotopic purities are assured by the use of unambiguous synthetic routes and multiple chemical analyses whenever possible. Results are representative of QC testing at time of release from Quality Control unless otherwise stated.

Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCL Z540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments.

This COA references the bulk catalog number before packaging. The COA also applies to the CIL finished good catalog number . Some possible packaging sizes and their corresponding suffix are -1.2, -1, -0.5, -10, or -0.1.

**Approved by:** Sashi Sivendran-Basak

Sashi Sivendran-Basak, Ph.D., Quality Review

## Quality Control Tests and Results

| | |
|---|---|
| QC Release Date | 3/18/2016 |
| Expiration Date | 3/18/2026 |
| Concentration Based on Gravimetry | 40.0 ± 0.4 µg/mL (k=2) |
| Chemical Purity of Neat Material(s) | 99.3% |
| GC/ECD for Concentration | 40.9 ± 5.5 µg/mL (k=2) |

# Reagent

# 61INPCB79LP_00002

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

61INPCB79LP.0002
Cert DX0046
Recd 5/5/10
opened 5/6/10
Exp 5/5/20

| | |
|---|---|
| **Product Description:** | 3,3',4,5'-TetraCB (PCB-79) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-5048-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-5048-3 (3 mL size) |
| **Lot Number:** | SCBH-001 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | November 2, 2001 |
| **Recertification Date:** | October 22, 2009 |
| **Expiration Date:** | October 22, 2019 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 3,3',4,5'-TetraCB ($^{13}C_{12}$, 99%) | 79 | 100.0% | 40 ± 2 | 40.0 | 38.6 ± 1.9 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61INPCB8LP_00002

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

61INPCB8LP. 00002

Cert DX0045
Recd 5/5/10
opened 5/6/10
Exp 5/5/20

| | |
|---|---|
| **Product Description:** | $^{13}$C-Labeled PCB Solution |
| **Catalog Number:** | EC-5095-1.2 (1.2 ml size) |
| **Catalog Number:** | EC-5095-3 (3 ml size) |
| **Lot Number:** | SCCC-016 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule[1]:** | 1.2 or 3 ml |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Expiration Date:** | August 2012 |

| Component[2] | PCB #[3] | Target Concentration[4] | Purity[5] | Analyzed Concentration[6] |
|---|---|---|---|---|
| 2,4'-DiCB ($^{13}C_{12}$, 99%) | 8 | 40±2 µg/ml | ≥98% | 40.2±0.02 µg/ml |

[1] Both 1.2 and 3 ml sizes are available for this product. The sample volume is stated on the ampoule. To account for typical transfer losses, the actual volume of sample in the ampoule is slightly greater than the value stated on the label.
[2] Enriched isotope abundances are given as the atom percent. CB = chlorobiphenyl.
[3] For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, 302, 20-31 (1980).
[4] The specified concentration range for the component listed.
[5] Chemical purity was determined using the analytical methods listed in Reference Material for Environmental Analysis, "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Daniel L. Bolt; Joel C. Bradley; 1997; Chap. 2, p. 15-23.
[6] The standard deviation (±1σ) was determined from multiple GC/MS analyses of samples prepared volumetrically using this specified lot and CIL's PCB Certified Standard Solutions.

Cambridge Isotope Laboratories certifies that this product meets the target specification stated above. Isotopic enrichment was determined for each labeled component using GC/MS analysis and is equal to or greater than the specification stated above. Accuracy is ensured by calibrating all balances used for gravimetric measurements against NIST traceable weights. Volumetric measurements are made with Class A grade glassware and syringes that are traceable to NIST. See attached pages and Reference Material for Environmental Analysis, "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Daniel L. Bolt; Joel C. Bradley; 1997; Chap. 2, p. 15-23.

Authorized Signature: Eloise C. Young

Quality Assurance

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

Re-certified

| | |
|---|---|
| **Product Description:** | $^{13}$C-Labeled PCB Solution |
| **Catalog Number:** | EC-5095-1.2 (1.2 ml size) |
| **Catalog Number:** | EC-5095-3 (3 ml size) |
| **Lot Number:** | SCCC-016 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule[1]:** | 1.2 or 3 ml |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Expiration Date:** | March 2019 |

| Component[2] | PCB #[3] | Target Concentration[4] | Purity[5] | Analyzed Concentration[6] |
|---|---|---|---|---|
| 2,4'-DiCB ($^{13}C_{12}$, 99%) | 8 | 40±2 µg/ml | ≥98% | 40.2±0.02 µg/ml |

[1] Both 1.2 and 3 ml sizes are available for this product. The sample volume is stated on the ampoule. To account for typical transfer losses, the actual volume of sample in the ampoule is slightly greater than the value stated on the label.
[2] Enriched isotope abundances are given as the atom percent. CB = chlorobiphenyl.
[3] For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, 302, 20-31 (1980).
[4] The specified concentration range for the component listed.
[5] Chemical purity was determined using the analytical methods listed in Reference Material for Environmental Analysis, "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Daniel L. Bolt; Joel C. Bradley; 1997; Chap. 2, p. 15-23.
[6] The standard deviation (±1σ) was determined from multiple GC/MS analyses of samples prepared volumetrically using this specified lot and CIL's PCB Certified Standard Solutions.

Cambridge Isotope Laboratories certifies that this product meets the target specification stated above. Isotopic enrichment was determined for each labeled component using GC/MS analysis and is equal to or greater than the specification stated above. Accuracy is ensured by calibrating all balances used for gravimetric measurements against NIST traceable weights. Volumetric measurements are made with Class A grade glassware and syringes that are traceable to NIST. See attached pages and Reference Material for Environmental Analysis, "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Daniel L. Bolt; Joel C. Bradley; 1997; Chap. 2, p. 15-23.

Authorized Signature: Elaine C. Young

Quality Assurance

# Reagent

# 61INPCB95LP_00002

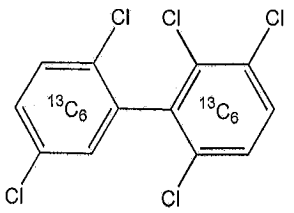
61INPCB954P.00002

Cert DX0048
Recd 5/5/10
opened 5/6/10
Exp 5/5/20

WELLINGTON LABORATORIES

# CERTIFICATE OF ANALYSIS/DOCUMENTATION

**PRODUCT CODE:** MBP-95
**COMPOUND:** 2,2',3,5',6-Pentachloro[$^{13}C_{12}$]biphenyl
**STRUCTURE:**




**LOT NUMBER:** MB0950206

**CAS #:** Not available
**IUPAC #:** 95L
**BZ #:** 95L

| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_{12}H_5Cl_5$ | **MOLECULAR WEIGHT:** | 338.34 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Nonane<br>Toluene (10%) |
| **CHEMICAL PURITY:** | > 98% | **ISOTOPIC PURITY:** | ≥ 99% |
| **LAST TESTED:** (mm/dd/yyyy) | 03/02/2006 (HRGC/LRMS)<br>03/14/2006 (HRGC/HRMS) | | |
| **RECOMMENDED STORAGE:** | Store at 4°C protected from light | | |
| **EXPIRY DATE:** | 03/14/2011 | | |

**DETAILS:**

- One-product unambiguous synthesis
- Structure confirmed by HRGC/LRMS
- Uncertainty is the maximum combined relative uncertainty of weights and volumes
- All weights and volumes are traceable to NIST
- HRGC/LRMS (TIC and mass spectrum) data attached, see Figure 1
- HRGC/HRMS (10,000 RP, SIR) data attached, see Figure 2
- Contains ~ 1.3 % of a Tetrachloro[$^{13}C_{12}$]biphenyl

**ADDITIONAL INFORMATION:**

For additional information including potential hazards, handling/storage, accuracy, and shelf life please request a copy of our Reference and Handling Guide. For your convenience this can be downloaded from our website at www.well-labs.com.

***NOT FOR HUMAN/DRUG USE***
***POTENTIALLY TOXIC TO HUMANS***

**Certified By:** B.G. Chittim **Date:** 03/17/2006 (mm/dd/yyyy)

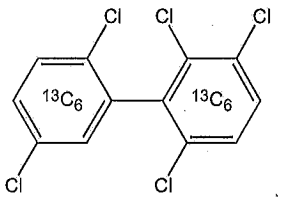
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** MBP-95
**COMPOUND:** 2,2',3,5',6-Pentachloro[$^{13}C_{12}$]biphenyl

**LOT NUMBER:** MB0950206

**STRUCTURE:**




**CAS #:** Not Available

Re-certified

| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_{12}H_5Cl_5$ | **MOLECULAR WEIGHT:** | 338.34 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Nonane<br>Toluene (10%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% |
| **LAST TESTED:** (mm/dd/yyyy) | 07/03/2013 (HRGC/LRMS)<br>10/21/2009 (HRGC/HRMS) | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 01/01/2020 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: HRGC/LRMS Data (TIC and Mass Spectrum)
Figure 2: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

**ADDITIONAL INFORMATION:**

- See page 2 for further details.
- Contains ~ 1.5% of a tetrachloro[$^{13}C_{12}$]biphenyl impurity.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** B.G. Chittim **Date:** 07/19/2013 (mm/dd/yyyy)

*Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA*
*519-822-2436 • Fax: 519-822-2849 • info@well-labs.com*

# Reagent

# 61INPCB95LP_00003

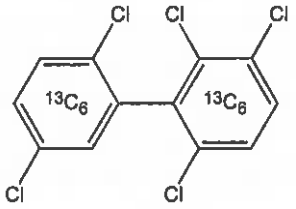
# WELLINGTON LABORATORIES

## CERTIFICATE OF ANALYSIS
DOCUMENTATION

**PRODUCT CODE:** MBP-95
**COMPOUND:** 2,2',3,5',6-Pentachloro[$^{13}C_{12}$]biphenyl

**LOT NUMBER:** MB0950814

**STRUCTURE:**




**CAS #:** Not Available

| | | | |
|---|---|---|---|
| **MOLECULAR FORMULA:** | $^{13}C_{12}H_5Cl_5$ | **MOLECULAR WEIGHT:** | 338.34 |
| **CONCENTRATION:** | 50 ± 2.5 µg/ml | **SOLVENT(S):** | Nonane<br>Toluene (10%) |
| **CHEMICAL PURITY:** | >98% | **ISOTOPIC PURITY:** | ≥99% |
| **LAST TESTED:** (mm/dd/yyyy) | 12/29/2017 (HRGC/LRMS)<br>08/23/2014 (HRGC/HRMS) | | |
| **EXPIRY DATE:** (mm/dd/yyyy) | 01/01/2025 | | |
| **RECOMMENDED STORAGE:** | Store ampoule in a cool, dark place | | |

**DOCUMENTATION/ DATA ATTACHED:**

Figure 1: HRGC/LRMS Data (TIC and Mass Spectrum)
Figure 2: HRGC/HRMS Data (SIR; 10,000 mass resolving power)

**ADDITIONAL INFORMATION:**

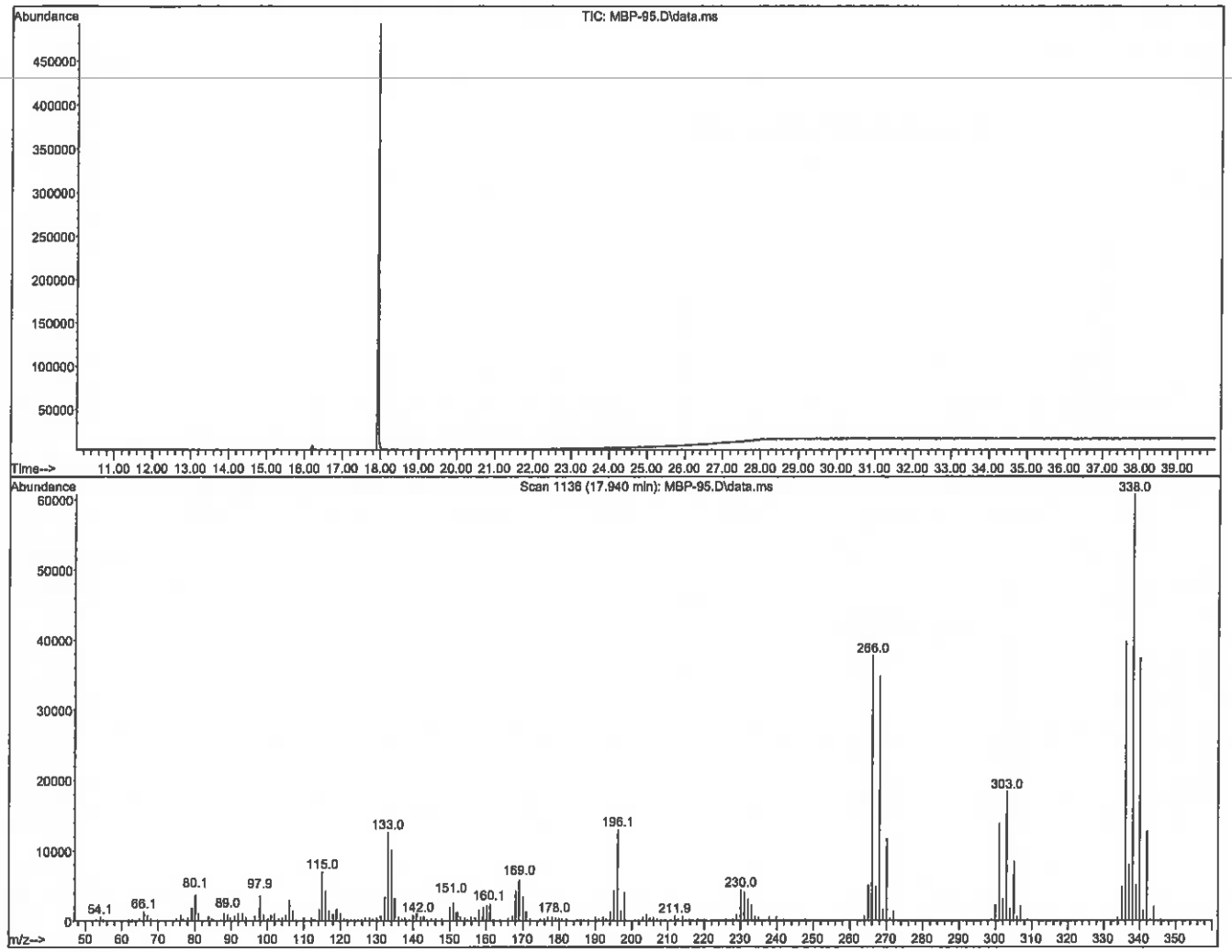
- See page 2 for further details.
- Contains ~ 1.5% of an unknown tetrachloro[$^{13}C_{12}$]biphenyl impurity and ~ 0.1% of an unknown pentachloro[$^{13}C_{12}$]biphenyl impurity.

***FOR LABORATORY USE ONLY: NOT FOR HUMAN OR DRUG USE***

**Certified By:** _____ **Date:** 02/09/2018 (mm/dd/yyyy)
B.G. Chittim, General Manager

***Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA***
***519-822-2436 • Fax: 519-822-2849 • info@well-labs.com***

**Figure 1:** **MBP-95; HRGC/LRMS Data (TIC and Mass Spectrum)**




**HRGC/LRMS:**

Agilent 7890A (HRGC)
Agilent 5975C (LRMS)

**Chromatographic Conditions:**

| | |
|---|---|
| Column: | 30 m DB-5 (0.25 mm id, 0.25 µm film thickness) Agilent J&W |
| Injector: | 250 °C (Splitless Injection) |
| Oven: | 100 °C (5 min) |
| | 10 °C/min to 325 °C |
| | 325 °C (20 min) |
| Ionization: | EI+ |
| Detector: | 250 °C |
| | Full Scan (50-1000 amu) |

## INTENDED USE:

The products prepared by Wellington Laboratories Inc. are for laboratory use only. This certified reference material (CRM) was designed to be used as a standard for the identification and/or quantification of the specific chemical compound it contains.

## HANDLING:

This product should only be used by qualified personnel familiar with its potential hazards and trained in the handling of hazardous chemicals. Due care should be exercised to prevent unnecessary human contact or ingestion. All procedures should be carried out in a well-functioning fume hood and suitable gloves, eye protection, and clothing should be worn at all times. Waste should be disposed of according to national and regional regulations. Safety Data Sheets (SDSs) are available upon request.

## SYNTHESIS / CHARACTERIZATION:

Our products are synthesized using single-product unambiguous routes whenever possible. They are then characterized, and their structures and purities confirmed, using a combination of the most relevant techniques, such as NMR, GC/MS, LC/MS/MS, SFC/UV/MS/MS, x-ray crystallography, and melting point. Isotopic purities of mass-labelled compounds are also confirmed using HRGC/HRMS and/or LC/MS/MS.

## HOMOGENEITY:

Prior to solution preparation, crystalline material is tested for homogeneity using a variety of techniques (as stated above) and its solubility in a given diluent is taken into consideration. Duplicate solutions of a new product are prepared from the same crystalline lot and, after the addition of an appropriate internal standard, they are compared by GC/MS, LC/MS/MS, and/or SFC/UV/MS/MS. The relative response factors of the analyte of interest in each solution are required to be <5% RSD. New solution lots of existing products are compared to older lots in the same manner, which further confirms the homogeneity of the crystalline material as well as the stability and homogeneity of the solutions in the storage containers. In order to maintain the integrity of the assigned value(s), and associated uncertainty, the dilution or injection of a subsample of this product should be performed using calibrated measuring equipment.

## UNCERTAINTY:

The maximum combined relative standard uncertainty of our reference standard solutions is calculated using the following equation:

The combined relative standard uncertainty, $u_c(y)$, of a value $y$ and the uncertainty of the independent parameters $x_1$, $x_2$,...$x_n$ on which it depends is:

$$u_c(y(x_1, x_2, ...x_n)) = \sqrt{\sum_{i=1}^{n} u(y, x_i)^2}$$

where x is expressed as a relative standard uncertainty of the individual parameter.

The individual uncertainties taken into account include those associated with weights (calibration of the balance) and volumes (calibration of the volumetric glassware). An expanded maximum combined percent relative uncertainty of ±5% (calculated with a coverage factor of 2 and a level of confidence of 95%) is stated on the Certificate of Analysis for all of our products.

## TRACEABILITY:

All reference standard solutions are traceable to specific crystalline lots. The microbalances used for solution preparation are regularly calibrated by an external ISO/IEC 17025 accredited laboratory. In addition, their calibration is verified prior to each weighing using calibrated external weights traceable to an ISO/IEC 17025 accredited laboratory. All volumetric glassware used is calibrated, of Class A tolerance, and traceable to an ISO/IEC 17025 accredited laboratory. For certain products, traceability to international interlaboratory studies has also been established.

## EXPIRY DATE / PERIOD OF VALIDITY:

Ongoing stability studies of this product have demonstrated stability in its composition and concentration, until the specified expiry date, in the unopened ampoule. Monitoring for any degradation or change in concentration of the listed analyte(s) is performed on a routine basis.

## LIMITED WARRANTY:

At the time of shipment, all products are warranted to be free of defects in material and workmanship and to conform to the stated technical and purity specifications.

## QUALITY MANAGEMENT:

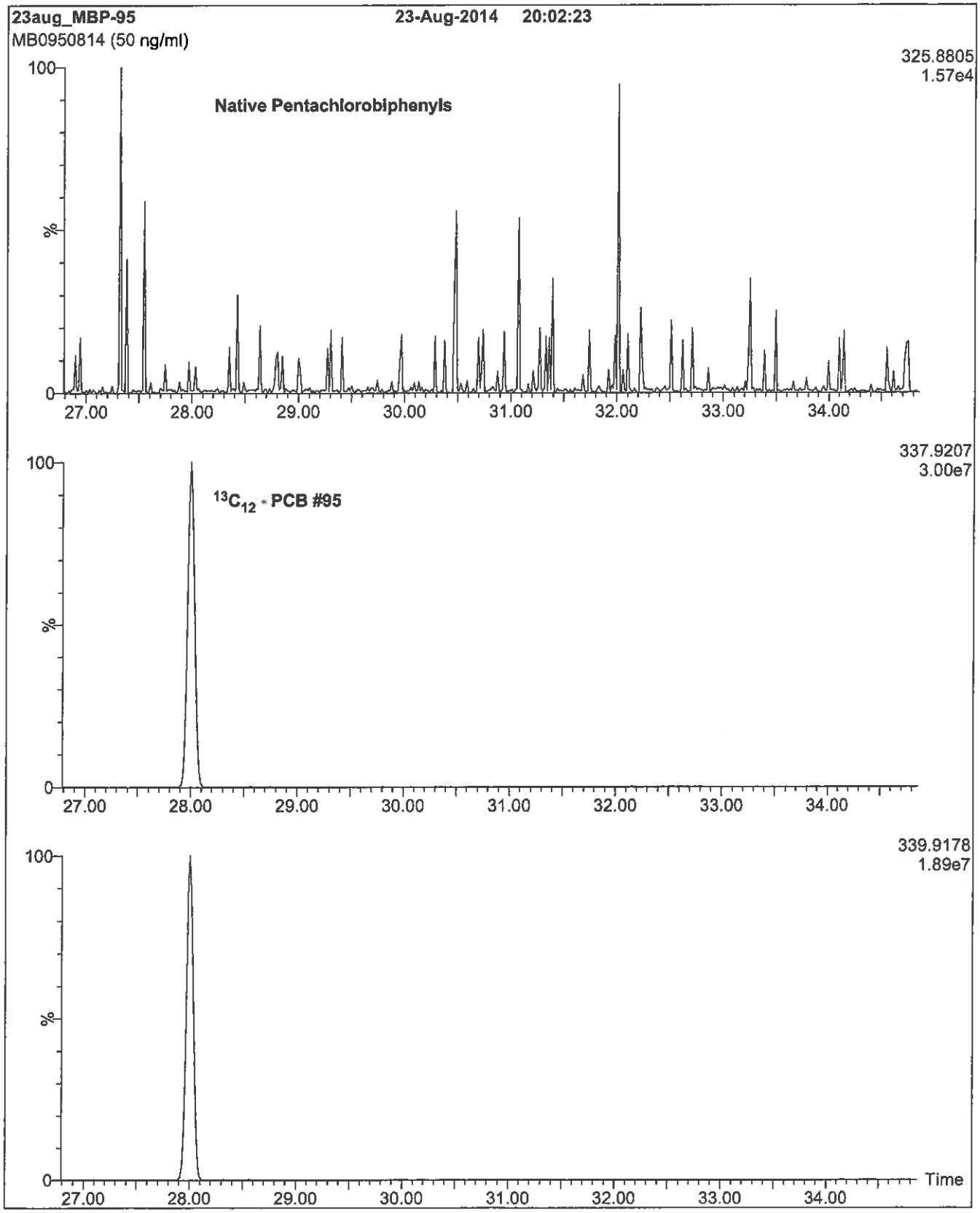
This product was produced using a Quality Management System registered to the latest versions of ISO 9001 by SAI Global, ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA; A 1226), and ISO 17034 by ANSI-ASQ National Accreditation Board (ANAB; AR-1523).

CALA Testing Accreditation for ISO/IEC

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

**For additional information or assistance concerning this or any other products from Wellington Laboratories Inc., please visit our website at www.well-labs.com or contact us directly at info@well-labs.com**

**Figure 2:** **MBP-95; HRGC/HRMS Data (60 m DB-5 column)**



# Reagent

# 61INPCB9LP_00002

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

61 IN PCB9LP.00002

Cert DX0067
Recd 2/5/14
opened 2/6/14
exp 2/5/24

| | |
|---|---|
| **Product Description:** | 2,5-DiCB (PCB-9) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4165-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-4165-3 (3 mL size) |
| **Lot Number:** | SDAE-021 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | September 10, 2010 |
| **Expiration Date:** | September 10, 2020 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,5-DiCB ($^{13}C_{12}$, 99%) | 9 | 100% | 40 ± 2 | 40.0 | 40.5 ± 0.63 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey

Quality Assurance

# Reagent

# 61INPCB9LP_00003

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

**Quality Standards:**
ISO Guide 34 • ISO/IEC 17025 • ISO 13485 • cGMP

Cert DX0088
Recd 9/21/16
Exp 9/21/26

| | |
|---|---|
| **Product Description:** | 2,5-DiCB (PCB-9) ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4165-1.2 (1.2 mL size) |
| **Catalog Number:** | EC-4165-3 (3 mL size) |
| **Lot Number:** | SDAE-021 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 3 mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | September 10, 2010 |
| **Expiration Date:** | September 10, 2020 |

| Component | PCB # | Purity | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty, k=2 (µg/mL) |
|---|---|---|---|---|---|
| 2,5-DiCB ($^{13}C_{12}$, 99%) | 9 | 100% | 40 ± 2 | 40.0 | 40.5 ± 0.63 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Assurance

# Reagent

# 61MX1668FS_00002

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

61MX1668FS_00002

| | |
|---|---|
| **Product Description:** | EPA Method 1668A/B/C Alt Field Spike Solution |
| **Catalog Number:** | EC-5596 |
| **Lot Number:** | PR-29096 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL |
| **Storage Conditions:** | Store at room temperature away from light and moisture. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | July 10, 2017 |
| **Expiration Date:** | July 10, 2027 |

Rec'd 7/17/17

| Component | PCB # | Purity | Target Concentration (ng/mL) | Concentration by Gravimetry ± Uncertainty, (k=2) (ng/mL) | Analyzed Concentration ± Uncertainty, (k=2) (ng/mL) |
|---|---|---|---|---|---|
| 2,4'-DiCB ($^{13}C_{12}$, 98%) | 8 | >98% | 5000 | 5000 ± 69 | 5,386 ± 428 |
| 3,3',4,5'-TetraCB ($^{13}C_{12}$, 99%) | 79 | 100.0% | 5000 | 5000 ± 52 | 4,983 ± 442 |
| 2,2',4,4',5,5'-HexaCB ($^{13}C_{12}$, 99%) | 153 | 99.9% | 5000 | 5000 ± 51 | 4,958 ± 421 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey
Quality Review

# Reagent

# 61MX1668ISP_00001

Cambridge Isotope Laboratories, Inc.

50 Frontage Road, Andover, MA 01810-5413 USA
800.322.1174 (N.AMERICA) 978.749.8000 (INTERNATIONAL)
www.isotope.com

# CERTIFICATE OF ANALYSIS

Cert Rcvd DX0075 10/8/14
Exp 10/8/24
Rcvd 10 Ampoules opened 10/20/16
A B C D E F G H I J K

| | |
|---|---|
| **Product Description:** | Method 1668A/B Toxics/Loc/Window Defining Solution ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4977 |
| **Lot Number:** | PR-23564 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 5mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | July 27, 2012 |
| **Expiration Date:** | July 27, 2022 |

10/8/14 mcp

| Component | Purity | PCB # | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed G Concentration ± Uncertainty (k=2) (µg/mL) |
|---|---|---|---|---|---|
| 2-MonoCB ($^{13}C_{12}$, 99%) | ≥98% | 1 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 4-MonoCB ($^{13}C_{12}$, 99%) | ≥98% | 3 | 1.0 | 1.0 | 0.97 ± 0.02 |
| 2,2'-DiCB ($^{13}C_{12}$, 99%) | ≥98% | 4 | 1.0 | 1.0 | 0.97 ± 0.02 |
| 4,4'-DiCB ($^{13}C_{12}$, 99%) | ≥98% | 15 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 2,2',6-TriCB ($^{13}C_{12}$, 99%) | ≥98% | 19 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 3,4,4'-TriCB ($^{13}C_{12}$, 99%) | ≥98% | 37 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,2',6,6'-TetraCB ($^{13}C_{12}$, 99%) | ≥98% | 54 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 3,3',4,4'-TetraCB ($^{13}C_{12}$, 99%) | ≥98% | 77 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 3,4,4',5-TetraCB ($^{13}C_{12}$, 99%) | ≥98% | 81 | 1.0 | 1.0 | 0.94 ± 0.04 |
| 2,2',4,6,6'-PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 104 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 2,3,3',4,4'-PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 105 | 1.0 | 1.0 | 0.99 ± 0.04 |
| 2,3,4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 114 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,3',4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 118 | 1.0 | 1.0 | 0.96 ± 0.04 |
| 2',3,4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 123 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 3,3',4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 126 | 1.0 | 1.0 | 1.00 ± 0.04 |
| 2,2',4,4',6,6'-HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 155 | 1.0 | 1.0 | 0.99 ± 0.02 |
| 2,3,3',4,4',5- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 156 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,3,3',4,4',5'- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 157 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 2,3',4,4',5,5'- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 167 | 1.0 | 1.0 | 0.98 ± 0.06 |
| 3,3',4,4',5,5'- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 169 | 1.0 | 1.0 | 0.97 ± 0.04 |

| Component | Purity | PCB # | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty (k=2) (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,4',5,6,6'-HeptaCB ($^{13}C_{12}$, 99%) | ≥98% | 188 | 1.0 | 1.0 | 0.96 ± 0.04 |
| 2,3,3',4,4',5,5'- HeptaCB ($^{13}C_{12}$, 99%) | ≥98% | 189 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 2,2',3,3',5,5',6,6'-OctaCB ($^{13}C_{12}$, 99%) | ≥98% | 202 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,3,3',4,4',5,5',6-OctaCB ($^{13}C_{12}$, 99%) | ≥98% | 205 | 1.0 | 1.0 | 0.94 ± 0.04 |
| 2,2',3,3',4,4',5,5',6-NonaCB ($^{13}C_{12}$, 99%) | ≥98% | 206 | 1.0 | 1.0 | 0.95 ± 0.02 |
| 2,2',3,3',4,5,5',6,6'-NonaCB ($^{13}C_{12}$, 99%) | ≥98% | 208 | 1.0 | 1.0 | 1.00 ± 0.04 |
| DecaCB ($^{13}C_{12}$, 99%) | ≥98% | 209 | 1.0 | 1.0 | 0.96 ± 0.04 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey

Quality Assurance

# Reagent

# 61MX1668ISP_00002

Cambridge Isotope Laboratories, Inc.

# Certificate of Analysis

Cert HR0154
Recd: 4/2/18
Exp: 4/2/28
Jm 4/4/18 Rec'd 10 Ampoules A B C D E F G H I J Opened

| | |
|---|---|
| **Product Description:** | Method 1668A/B/C Toxics/Loc/Window Defining Solution ($^{13}C_{12}$, 99%) |
| **Catalog Number:** | EC-4977 |
| **Lot Number:** | PR-23564 |
| **Solvent:** | n-Nonane |
| **Volume per Ampoule:** | 1.2 mL or 5mL |
| **Storage Conditions:** | Store at room temperature, protect from light. |
| **Intended Use:** | For laboratory use only. |
| **Release Date:** | July 27, 2012 |
| **Expiration Date:** | July 27, 2022 |

| Component | Purity | PCB # | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty (k=2) (µg/mL) |
|---|---|---|---|---|---|
| 2-MonoCB ($^{13}C_{12}$, 99%) | ≥98% | 1 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 4-MonoCB ($^{13}C_{12}$, 99%) | ≥98% | 3 | 1.0 | 1.0 | 0.97 ± 0.02 |
| 2,2'-DiCB ($^{13}C_{12}$, 99%) | ≥98% | 4 | 1.0 | 1.0 | 0.97 ± 0.02 |
| 4,4'-DiCB ($^{13}C_{12}$, 99%) | ≥98% | 15 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 2,2',6-TriCB ($^{13}C_{12}$, 99%) | ≥98% | 19 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 3,4,4'-TriCB ($^{13}C_{12}$, 99%) | ≥98% | 37 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,2',6,6'-TetraCB ($^{13}C_{12}$, 99%) | ≥98% | 54 | 1.0 | 1.0 | 0.98 ± 0.02 |
| 3,3',4,4'-TetraCB ($^{13}C_{12}$, 99%) | ≥98% | 77 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 3,4,4',5-TetraCB ($^{13}C_{12}$, 99%) | ≥98% | 81 | 1.0 | 1.0 | 0.94 ± 0.04 |
| 2,2',4,6,6'-PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 104 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 2,3,3',4,4'-PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 105 | 1.0 | 1.0 | 0.99 ± 0.04 |
| 2,3,4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 114 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,3',4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 118 | 1.0 | 1.0 | 0.96 ± 0.04 |
| 2',3,4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 123 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 3,3',4,4',5- PentaCB ($^{13}C_{12}$, 99%) | ≥98% | 126 | 1.0 | 1.0 | 1.00 ± 0.04 |
| 2,2',4,4',6,6'-HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 155 | 1.0 | 1.0 | 0.99 ± 0.02 |
| 2,3,3',4,4',5- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 156 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,3,3',4,4',5'- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 157 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 2,3',4,4',5,5'- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 167 | 1.0 | 1.0 | 0.98 ± 0.06 |
| 3,3',4,4',5,5'- HexaCB ($^{13}C_{12}$, 99%) | ≥98% | 169 | 1.0 | 1.0 | 0.97 ± 0.04 |

| Component | Purity | PCB # | Target Concentration (µg/mL) | Concentration by Gravimetry (µg/mL) | Analyzed Concentration ± Uncertainty (k=2) (µg/mL) |
|---|---|---|---|---|---|
| 2,2',3,4',5,6,6'-HeptaCB ($^{13}C_{12}$, 99%) | ≥98% | 188 | 1.0 | 1.0 | 0.96 ± 0.04 |
| 2,3,3',4,4',5,5'- HeptaCB ($^{13}C_{12}$, 99%) | ≥98% | 189 | 1.0 | 1.0 | 0.98 ± 0.04 |
| 2,2',3,3',5,5',6,6'-OctaCB ($^{13}C_{12}$, 99%) | ≥98% | 202 | 1.0 | 1.0 | 0.97 ± 0.04 |
| 2,3,3',4,4',5,5',6-OctaCB ($^{13}C_{12}$, 99%) | ≥98% | 205 | 1.0 | 1.0 | 0.94 ± 0.04 |
| 2,2',3,3',4,4',5,5',6-NonaCB ($^{13}C_{12}$, 99%) | ≥98% | 206 | 1.0 | 1.0 | 0.95 ± 0.02 |
| 2,2',3,3',4,5,5',6,6'-NonaCB ($^{13}C_{12}$, 99%) | ≥98% | 208 | 1.0 | 1.0 | 1.00 ± 0.04 |
| DecaCB ($^{13}C_{12}$, 99%) | ≥98% | 209 | 1.0 | 1.0 | 0.96 ± 0.04 |

**Notes:**

- CB = chlorobiphenyl. Enriched isotope abundances are given as the atom percent.
- For more information regarding this numbering system see K. Ballschmiter and M. Zell, "Analysis of Polychlorinated Biphenyls by Capillary Gas Chromatography," Fresenius Z. Analytical Chemistry, **302**, 20-31 (1980).
- Chemical Purity was determined using a Shimadzu GC-17A gas chromatograph with electron capture detection or a Hewlett Packard 5973 GC/MS system.
- The analyzed concentration was determined by comparison of the isotope-labeled solution to an equivalent, gravimetrically prepared, unlabeled standard.
- The uncertainty value reported for the concentration is the expanded uncertainty, coverage factor (k) = 2.
- The calculation and reporting of uncertainty conforms to the practices outlined in the Eurachem/CITAC Guide. "Quantifying Uncertainty in Analytical Measurement", Second Edition.

Cambridge Isotope Laboratories certifies that this product meets the concentration specification stated above. Volumetric measurements were made with Class A glassware. Gravimetry is traceable to the NIST through calibrated balances and certified, calibrated, standard weights. The calibrations are traceable to the NIST under Test No. 822/270236-04. The calibrations also meet specifications outlined in ISO 9001, ISO/IEC 17025, ANSI/NSCLZ540-1-1994, NCR Document 10CFR50 Appendix B, and applicable subdocuments. For further information see Daniel L. Bolt and Joel C. Bradley "The Preparation and Validation of Isotope Dilution Standards: A Case Study in PCBs", Reference Material for Environmental Analysis, Chap. 2, p. 15-23 (1997).

Authorized Signature: Thomas Dorsey

Quality Assurance

# Reagent

# 61MXALL209P_00004

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New Haven, CT 06513
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www.AccuStandard.com

# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane
**Hazards:** *Refer to SDS for complete safety information*

**Signal Word: Danger**

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209
**Storage Condition:** Ambient (>5 °C)

**Certified Reference Material**

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1339

ilac-MRA

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[2] (µg/mL) | Certified Analyte Concentration[1] (µg/mL) |
|---|---|---|---|---|
| 2-Chlorobiphenyl | 2051-60-7 | 99.2 | 4.012 | 3.980 |
| 3-Chlorobiphenyl | 2051-61-8 | 99.0 | 4.000 | 3.960 |
| 4-Chlorobiphenyl | 2051-62-9 | 98.8 | 4.000 | 3.952 |
| 2,2'-Dichlorobiphenyl | 13029-08-8 | 100.0 | 4.020 | 4.020 |
| 2,3-Dichlorobiphenyl | 16605-91-7 | 99.4 | 4.004 | 3.980 |
| 2,3'-Dichlorobiphenyl | 25569-80-6 | 99.0 | 4.012 | 3.972 |
| 2,4-Dichlorobiphenyl | 33284-50-3 | 99.9 | 4.024 | 4.020 |
| 2,4'-Dichlorobiphenyl | 34883-43-7 | 99.4 | 4.008 | 3.984 |
| 2,5-Dichlorobiphenyl | 34883-39-1 | 99.0 | 4.016 | 3.976 |
| 2,6-Dichlorobiphenyl | 33146-45-1 | 100.0 | 4.012 | 4.012 |
| 3,3'-Dichlorobiphenyl | 2050-67-1 | 99.2 | 4.004 | 3.972 |
| 3,4-Dichlorobiphenyl | 2974-92-7 | 100.0 | 4.004 | 4.004 |
| 3,4'-Dichlorobiphenyl | 2974-90-5 | 99.0 | 4.008 | 3.968 |
| 3,5-Dichlorobiphenyl | 34883-41-5 | 99.9 | 4.036 | 4.032 |
| 4,4'-Dichlorobiphenyl | 2050-68-2 | 100.0 | 4.004 | 4.004 |
| 2,2',3-Trichlorobiphenyl | 38444-78-9 | 99.7 | 4.044 | 4.032 |
| 2,2',4-Trichlorobiphenyl | 37680-66-3 | 99.9 | 4.012 | 4.008 |
| 2,2',5-Trichlorobiphenyl | 37680-65-2 | 100.0 | 4.020 | 4.020 |
| 2,2',6-Trichlorobiphenyl | 38444-73-4 | 99.6 | 4.028 | 4.012 |
| 2,3,3'-Trichlorobiphenyl | 38444-84-7 | 99.0 | 4.036 | 3.996 |
| 2,3,4-Trichlorobiphenyl | 55702-46-0 | 99.0 | 4.008 | 3.968 |
| 2,3,4'-Trichlorobiphenyl | 38444-85-8 | 99.0 | 4.028 | 3.988 |
| 2,3,5-Trichlorobiphenyl | 55720-44-0 | 99.0 | 4.004 | 3.964 |
| 2,3,6-Trichlorobiphenyl | 55702-45-9 | 99.4 | 4.020 | 3.996 |
| 2,3',4-Trichlorobiphenyl | 55712-37-3 | 100.0 | 4.000 | 4.000 |
| 2,3',5-Trichlorobiphenyl | 38444-81-4 | 99.0 | 4.024 | 3.984 |
| 2,3',6-Trichlorobiphenyl | 38444-76-7 | 99.1 | 4.024 | 3.988 |
| 2,4,4'-Trichlorobiphenyl | 7012-37-5 | 100.0 | 4.000 | 4.000 |
| 2,4,5-Trichlorobiphenyl | 15862-07-4 | 99.0 | 4.036 | 3.996 |
| 2,4,6-Trichlorobiphenyl | 35693-92-6 | 100.0 | 4.024 | 4.024 |
| 2,4',5-Trichlorobiphenyl | 16606-02-3 | 100.0 | 4.020 | 4.020 |
| 2,4',6-Trichlorobiphenyl | 38444-77-8 | 99.0 | 4.024 | 3.984 |
| 2',3,4-Trichlorobiphenyl | 38444-86-9 | 99.0 | 4.036 | 3.996 |
| 2',3,5-Trichlorobiphenyl | 37680-68-5 | 99.0 | 4.000 | 3.960 |
| 3,3'-4-Trichlorobiphenyl | 37680-69-6 | 100.0 | 4.004 | 4.004 |
| 3,3',5-Trichlorobiphenyl | 38444-87-0 | 99.6 | 4.004 | 3.988 |
| 3,4,4'-Trichlorobiphenyl | 38444-90-5 | 99.7 | 4.004 | 3.992 |
| 3,4,5-Trichlorobiphenyl | 53555-66-1 | 99.0 | 4.008 | 3.968 |
| 3,4',5-Trichlorobiphenyl | 38444-88-1 | 99.6 | 4.024 | 4.008 |
| 2,2',3,3'-Tetrachlorobiphenyl | 38444-93-8 | 99.1 | 4.016 | 3.980 |
| 2,2',3,4-Tetrachlorobiphenyl | 52663-59-9 | 99.3 | 4.016 | 3.988 |
| 2,2',3,4'-Tetrachlorobiphenyl | 36559-22-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,5-Tetrachlorobiphenyl | 70362-46-8 | 99.9 | 4.012 | 4.008 |
| 2,2',3,5'-Tetrachlorobiphenyl | 41464-39-5 | 99.0 | 4.004 | 3.964 |



*For use in routine laboratory analysis.*

**AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015**

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,6-Tetrachlorobiphenyl | 70362-45-7 | 99.9 | 4.012 | 4.008 |
| 2,2',3,6'-Tetrachlorobiphenyl | 41464-47-5 | 99.4 | 4.004 | 3.980 |
| 2,2',4,4'-Tetrachlorobiphenyl | 2437-79-8 | 99.0 | 4.012 | 3.972 |
| 2,2',4,5-Tetrachlorobiphenyl | 70362-47-9 | 99.9 | 4.008 | 4.004 |
| 2,2',4,5'-Tetrachlorobiphenyl | 41464-40-8 | 99.0 | 4.016 | 3.976 |
| 2,2',4,6-Tetrachlorobiphenyl | 62796-65-0 | 100.0 | 4.004 | 4.004 |
| 2,2',4,6'-Tetrachlorobiphenyl | 68194-04-7 | 99.6 | 4.012 | 3.996 |
| 2,2',5,5'-Tetrachlorobiphenyl | 35693-99-3 | 99.0 | 4.008 | 3.968 |
| 2,2',5,6'-Tetrachlorobiphenyl | 41464-41-9 | 99.0 | 4.004 | 3.964 |
| 2,2',6,6'-Tetrachlorobiphenyl | 15968-05-5 | 99.4 | 4.028 | 4.004 |
| 2,3,3',4-Tetrachlorobiphenyl | 74338-24-2 | 99.7 | 4.016 | 4.004 |
| 2,3,3',4'-Tetrachlorobiphenyl | 41464-43-1 | 99.6 | 4.036 | 4.020 |
| 2,3,3',5-Tetrachlorobiphenyl | 70424-67-8 | 100.0 | 4.008 | 4.008 |
| 2,3,3',5'-Tetrachlorobiphenyl | 41464-49-7 | 99.0 | 4.028 | 3.988 |
| 2,3,3',6-Tetrachlorobiphenyl | 74472-33-6 | 98.5 | 4.012 | 3.952 |
| 2,3,4,4'-Tetrachlorobiphenyl | 33025-41-1 | 99.0 | 4.008 | 3.968 |
| 2,3,4,5-Tetrachlorobiphenyl | 33284-53-6 | 99.0 | 4.004 | 3.964 |
| 2,3,4,6-Tetrachlorobiphenyl | 54230-22-7 | 99.0 | 4.008 | 3.968 |
| 2,3,4',5-Tetrachlorobiphenyl | 74472-34-7 | 100.0 | 4.016 | 4.016 |
| 2,3,4',6-Tetrachlorobiphenyl | 52663-58-8 | 99.7 | 4.032 | 4.020 |
| 2,3,5,6-Tetrachlorobiphenyl | 33284-54-7 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4'-Tetrachlorobiphenyl | 32598-10-0 | 100.0 | 4.000 | 4.000 |
| 2,3',4,5-Tetrachlorobiphenyl | 73575-53-8 | 100.0 | 4.036 | 4.036 |
| 2,3',4,5'-Tetrachlorobiphenyl | 73575-52-7 | 99.9 | 4.004 | 4.000 |
| 2,3',4,6-Tetrachlorobiphenyl | 60233-24-1 | 99.9 | 4.024 | 4.020 |
| 2,3',4',5-Tetrachlorobiphenyl | 32598-11-1 | 99.0 | 4.000 | 3.960 |
| 2,3',4',6-Tetrachlorobiphenyl | 41464-46-4 | 100.0 | 4.016 | 4.016 |
| 2,3',5,5'-Tetrachlorobiphenyl | 41464-42-0 | 99.0 | 4.004 | 3.964 |
| 2,3',5',6-Tetrachlorobiphenyl | 74338-23-1 | 99.7 | 4.016 | 4.004 |
| 2,4,4',5-Tetrachlorobiphenyl | 32690-93-0 | 100.0 | 4.020 | 4.020 |
| 2,4,4',6-Tetrachlorobiphenyl | 32598-12-2 | 99.5 | 4.000 | 3.980 |
| 2',3,4,5-Tetrachlorobiphenyl | 70362-48-0 | 99.0 | 4.028 | 3.988 |
| 3,3',4,4'-Tetrachlorobiphenyl | 32598-13-3 | 99.0 | 4.000 | 3.960 |
| 3,3',4,5-Tetrachlorobiphenyl | 70362-49-1 | 99.0 | 4.024 | 3.984 |
| 3,3',4,5'-Tetrachlorobiphenyl | 41464-48-6 | 99.9 | 4.008 | 4.004 |
| 3,3',5,5'-Tetrachlorobiphenyl | 33284-52-5 | 99.0 | 4.028 | 3.988 |
| 3,4,4',5-Tetrachlorobiphenyl | 70362-50-4 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4-Pentachlorobiphenyl | 52663-62-4 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',5-Pentachlorobiphenyl | 60145-20-2 | 100.0 | 4.012 | 4.012 |
| 2,2',3,3',6-Pentachlorobiphenyl | 52663-60-2 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,4'-Pentachlorobiphenyl | 65510-45-4 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5-Pentachlorobiphenyl | 55312-69-1 | 100.0 | 4.008 | 4.008 |
| 2,2',3,4,5'-Pentachlorobiphenyl | 38380-02-8 | 99.5 | 4.020 | 4.000 |
| 2,2',3,4,6-Pentachlorobiphenyl | 55215-17-3 | 99.6 | 4.008 | 3.992 |
| 2,2',3,4,6'-Pentachlorobiphenyl | 73575-57-2 | 99.9 | 4.004 | 4.000 |
| 2,2',3,4',5-Pentachlorobiphenyl | 68194-07-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',6-Pentachlorobiphenyl | 68194-05-8 | 99.6 | 4.036 | 4.020 |
| 2,2',3,5,5'-Pentachlorobiphenyl | 52663-61-3 | 99.7 | 4.016 | 4.004 |
| 2,2',3,5,6-Pentachlorobiphenyl | 73575-56-1 | 99.8 | 4.028 | 4.020 |
| 2,2',3,5,6'-Pentachlorobiphenyl | 73575-55-0 | 100.0 | 4.016 | 4.016 |
| 2,2',3,5',6-Pentachlorobiphenyl | 38379-99-6 | 100.0 | 4.012 | 4.012 |
| 2,2',3,6,6'-Pentachlorobiphenyl | 73575-54-9 | 99.2 | 4.004 | 3.972 |
| 2,2',3',4,5-Pentachlorobiphenyl | 41464-51-1 | 99.0 | 4.020 | 3.980 |



*For use in routine laboratory analysis.*

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3',4,6-Pentachlorobiphenyl | 60233-25-2 | 99.3 | 4.024 | 3.996 |
| 2,2',4,4',5-Pentachlorobiphenyl | 38380-01-7 | 99.6 | 4.036 | 4.020 |
| 2,2',4,4',6-Pentachlorobiphenyl | 39485-83-1 | 99.9 | 4.012 | 4.008 |
| 2,2',4,5,5'-Pentachlorobiphenyl | 37680-73-2 | 99.0 | 4.008 | 3.968 |
| 2,2',4,5,6'-Pentachlorobiphenyl | 68194-06-9 | 99.3 | 4.000 | 3.972 |
| 2,2',4,5',6-Pentachlorobiphenyl | 60145-21-3 | 100.0 | 4.024 | 4.024 |
| 2,2',4,6,6'-Pentachlorobiphenyl | 56558-16-8 | 99.0 | 4.008 | 3.968 |
| 2,3,3',4,4'-Pentachlorobiphenyl | 32598-14-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,5-Pentachlorobiphenyl | 70424-69-0 | 99.6 | 4.008 | 3.992 |
| 2,3,3',4',5-Pentachlorobiphenyl | 70424-68-9 | 100.0 | 4.008 | 4.008 |
| 2,3,3',4,5'-Pentachlorobiphenyl | 70362-41-3 | 100.0 | 4.012 | 4.012 |
| 2,3,3',4,6-Pentachlorobiphenyl | 74472-35-8 | 100.0 | 4.024 | 4.024 |
| 2,3,3',4',6-Pentachlorobiphenyl | 38380-03-9 | 99.5 | 4.054 | 4.034 |
| 2,3,3',5,5'-Pentachlorobiphenyl | 39635-32-0 | 100.0 | 4.024 | 4.024 |
| 2,3,3',5,6-Pentachlorobiphenyl | 74472-36-9 | 99.8 | 4.032 | 4.024 |
| 2,3,3',5',6-Pentachlorobiphenyl | 68194-10-5 | 98.9 | 4.012 | 3.968 |
| 2,3,4,4',5-Pentachlorobiphenyl | 74472-37-0 | 99.0 | 4.020 | 3.980 |
| 2,3,4,4',6-Pentachlorobiphenyl | 74472-38-1 | 99.5 | 4.020 | 4.000 |
| 2,3,4,5,6-Pentachlorobiphenyl | 18259-05-7 | 99.0 | 4.020 | 3.980 |
| 2,3,4',5,6-Pentachlorobiphenyl | 68194-11-6 | 99.0 | 4.024 | 3.984 |
| 2,3',4,4',5-Pentachlorobiphenyl | 31508-00-6 | 100.0 | 4.008 | 4.008 |
| 2,3',4,4',6-Pentachlorobiphenyl | 56558-17-9 | 100.0 | 4.028 | 4.028 |
| 2,3',4,5,5'-Pentachlorobiphenyl | 68194-12-7 | 99.7 | 4.020 | 4.008 |
| 2,3',4,5',6-Pentachlorobiphenyl | 56558-18-0 | 99.2 | 4.016 | 3.984 |
| 2',3,3',4,5-Pentachlorobiphenyl | 76842-07-4 | 99.4 | 4.024 | 4.000 |
| 2',3,4,4',5-Pentachlorobiphenyl | 65510-44-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,5'-Pentachlorobiphenyl | 70424-70-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,6'-Pentachlorobiphenyl | 74472-39-2 | 99.1 | 4.008 | 3.972 |
| 3,3',4,4',5-Pentachlorobiphenyl | 57465-28-8 | 99.0 | 4.008 | 3.968 |
| 3,3',4,5,5'-Pentachlorobiphenyl | 39635-33-1 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl | 38380-07-3 | 99.7 | 4.024 | 4.012 |
| 2,2',3,3',4,5-Hexachlorobiphenyl | 55215-18-4 | 99.3 | 4.016 | 3.988 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl | 52663-66-8 | 99.3 | 4.020 | 3.992 |
| 2,2',3,3',4,6-Hexachlorobiphenyl | 61798-70-7 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,6'-Hexachlorobiphenyl | 38380-05-1 | 99.0 | 4.024 | 3.984 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl | 35694-04-3 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',5,6-Hexachlorobiphenyl | 52704-70-8 | 99.3 | 4.036 | 4.008 |
| 2,2',3,3',5,6'-Hexachlorobiphenyl | 52744-13-5 | 98.8 | 4.020 | 3.972 |
| 2,2',3,3',6,6'-Hexachlorobiphenyl | 38411-22-2 | 99.9 | 4.000 | 3.996 |
| 2,2',3,4,4',5-Hexachlorobiphenyl | 35694-06-5 | 99.0 | 4.032 | 3.992 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl | 35065-28-2 | 99.8 | 4.036 | 4.028 |
| 2,2',3,4,4',6-Hexachlorobiphenyl | 56030-56-9 | 99.4 | 4.004 | 3.980 |
| 2,2',3,4,4',6'-Hexachlorobiphenyl | 59291-64-4 | 99.6 | 4.012 | 3.996 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl | 52712-04-6 | 99.0 | 4.016 | 3.976 |
| 2,2',3,4,5,6-Hexachlorobiphenyl | 41411-61-4 | 99.0 | 4.012 | 3.972 |
| 2,2',3,4,5,6'-Hexachlorobiphenyl | 68194-15-0 | 99.0 | 4.008 | 3.968 |
| 2,2',3,4,5',6-Hexachlorobiphenyl | 68194-14-9 | 100.0 | 4.004 | 4.004 |
| 2,2',3,4,6,6'-Hexachlorobiphenyl | 74472-40-5 | 100.0 | 4.012 | 4.012 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl | 51908-16-8 | 98.9 | 4.012 | 3.968 |
| 2,2',3,4',5,6-Hexachlorobiphenyl | 68194-13-8 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl | 74472-41-6 | 99.5 | 4.004 | 3.984 |
| 2,2',3,4',5',6-Hexachlorobiphenyl | 38380-04-0 | 99.2 | 4.012 | 3.980 |
| 2,2',3,4',6,6'-Hexachlorobiphenyl | 68194-08-1 | 99.0 | 4.016 | 3.976 |



*For use in routine laboratory analysis.*

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,5,5',6-Hexachlorobiphenyl | 52663-63-5 | 100.0 | 4.004 | 4.004 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl | 68194-09-2 | 100.0 | 4.016 | 4.016 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl | 35065-27-1 | 99.6 | 4.004 | 3.988 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl | 60145-22-4 | 99.4 | 4.000 | 3.976 |
| 2,2',4,4',6,6'-Hexachlorobiphenyl | 33979-03-2 | 99.3 | 4.004 | 3.976 |
| 2,3,3',4,4',5-Hexachlorobiphenyl | 38380-08-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5'-Hexachlorobiphenyl | 69782-90-7 | 99.0 | 4.032 | 3.992 |
| 2,3,3',4,4',6-Hexachlorobiphenyl | 74472-42-7 | 100.0 | 4.000 | 4.000 |
| 2,3,3',4,5,5'-Hexachlorobiphenyl | 39635-35-3 | 100.0 | 4.008 | 4.008 |
| 2,3,3'4,5,6-Hexachlorobiphenyl | 41411-62-5 | 100.0 | 4.012 | 4.012 |
| 2,3,3',4,5',6-Hexachlorobiphenyl | 74472-43-8 | 98.8 | 4.004 | 3.956 |
| 2,3,3',4',5,5'-Hexachlorobiphenyl | 39635-34-2 | 100.0 | 4.016 | 4.016 |
| 2,3,3',4',5,6-Hexachlorobiphenyl | 74472-44-9 | 99.0 | 4.004 | 3.964 |
| 2,3,3',4',5',6-Hexachlorobiphenyl | 74472-45-0 | 99.7 | 4.000 | 3.988 |
| 2,3,3',5,5',6-Hexachlorobiphenyl | 74472-46-1 | 99.0 | 4.000 | 3.960 |
| 2,3,4,4',5,6-Hexachlorobiphenyl | 41411-63-6 | 99.0 | 4.016 | 3.976 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl | 52663-72-6 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4',5',6-Hexachlorobiphenyl | 59291-65-5 | 99.0 | 4.016 | 3.976 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl | 32774-16-6 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl | 35065-30-6 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',4,4',6-Heptachlorobiphenyl | 52663-71-5 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl | 52663-74-8 | 99.7 | 4.008 | 3.996 |
| 2,2',3,3',4,5,6-Heptachlorobiphenyl | 68194-16-1 | 100.0 | 4.000 | 4.000 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl | 38411-25-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl | 40186-70-7 | 99.6 | 4.000 | 3.984 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl | 52663-65-7 | 100.0 | 4.036 | 4.036 |
| 2,2',3,3',4',5,6-Heptachlorobiphenyl | 52663-70-4 | 100.0 | 4.024 | 4.024 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl | 52663-67-9 | 99.4 | 4.020 | 3.996 |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl | 52663-64-6 | 99.6 | 4.024 | 4.008 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl | 35065-29-3 | 99.7 | 4.008 | 3.996 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl | 74472-47-2 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl | 60145-23-5 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl | 52663-69-1 | 99.5 | 4.024 | 4.004 |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl | 74472-48-3 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl | 52712-05-7 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl | 74472-49-4 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl | 52663-68-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl | 74487-85-7 | 99.0 | 4.040 | 4.000 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl | 39635-31-9 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl | 41411-64-7 | 100.0 | 4.028 | 4.028 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl | 74472-50-7 | 99.5 | 4.024 | 4.004 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl | 74472-51-8 | 99.1 | 4.024 | 3.988 |
| 2,3,3',4',5,5',6-Heptachlorobiphenyl | 69782-91-8 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl | 35694-08-7 | 100.0 | 4.032 | 4.032 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl | 52663-78-2 | 99.8 | 4.008 | 4.000 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | 42740-50-1 | 99.3 | 4.012 | 3.984 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl | 33091-17-7 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6-Octachlorobiphenyl | 68194-17-2 | 99.2 | 4.016 | 3.984 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl | 52663-73-7 | 100.0 | 4.032 | 4.032 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | 40186-71-8 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6'-Octachlorobiphenyl | 52663-75-9 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl | 2136-99-4 | 98.0 | 4.016 | 3.936 |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl | 52663-76-0 | 100.0 | 4.028 | 4.028 |



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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl | 74472-52-9 | 99.9 | 4.012 | 4.008 |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl | 74472-53-0 | 100.0 | 4.012 | 4.012 |
| 2,2',3,3',4,4',5,5',6-Octachlorobiphenyl | 40186-72-9 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl | 52663-79-3 | 99.0 | 4.020 | 3.980 |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl | 52663-77-1 | 99.8 | 4.020 | 4.012 |
| 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl | 2051-24-3 | 99.5 | 4.024 | 4.004 |

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 822/272103-05

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

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Certified By: _____
Larry Decker, Organic QC Manager

AccuStandard



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# CERTIFICATE OF ANALYSIS

**CATALOG NO:** S-9994-4X
**DESCRIPTION:** Custom PCB Standard - all 209 PCB Congeners
**EXPIRATION:** Sep 17, 2019
**LOT #:** 209091190
**See reverse for additional certification information.**
**SOLVENT:** Isooctane

Cert PX0064
5 Ampoules
A opened 8/7/12
B opened 10/2/13
C opened 10/13/14
D
E

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2-Chlorobiphenyl | 2051-60-7 | 99.2 | 4.012 | 3.980 |
| 3-Chlorobiphenyl | 2051-61-8 | 99.0 | 4.000 | 3.960 |
| 4-Chlorobiphenyl | 2051-62-9 | 98.8 | 4.000 | 3.952 |
| 2,2'-Dichlorobiphenyl | 13029-08-8 | 100 | 4.020 | 4.020 |
| 2,3-Dichlorobiphenyl | 16605-91-7 | 99.4 | 4.004 | 3.980 |
| 2,3'-Dichlorobiphenyl | 25569-80-6 | 99.0 | 4.012 | 3.972 |
| 2,4-Dichlorobiphenyl | 33284-50-3 | 99.9 | 4.024 | 4.020 |
| 2,4'-Dichlorobiphenyl | 34883-43-7 | 99.4 | 4.008 | 3.984 |
| 2,5-Dichlorobiphenyl | 34883-39-1 | 99.0 | 4.016 | 3.976 |
| 2,6-Dichlorobiphenyl | 33146-45-1 | 100 | 4.012 | 4.012 |
| 3,3'-Dichlorobiphenyl | 2050-67-1 | 99.2 | 4.004 | 3.972 |
| 3,4-Dichlorobiphenyl | 2974-92-7 | 100 | 4.004 | 4.004 |
| 3,4'-Dichlorobiphenyl | 2974-90-5 | 99.0 | 4.008 | 3.968 |
| 3,5-Dichlorobiphenyl | 34883-41-5 | 99.9 | 4.036 | 4.032 |
| 4,4'-Dichlorobiphenyl | 2050-68-2 | 100 | 4.004 | 4.004 |
| 2,2',3-Trichlorobiphenyl | 38444-78-9 | 99.7 | 4.044 | 4.032 |
| 2,2',4-Trichlorobiphenyl | 37680-66-3 | 99.9 | 4.012 | 4.008 |
| 2,2',5-Trichlorobiphenyl | 37680-65-2 | 100 | 4.020 | 4.020 |
| 2,2',6-Trichlorobiphenyl | 38444-73-4 | 99.6 | 4.028 | 4.012 |
| 2,3,3'-Trichlorobiphenyl | 38444-84-7 | 99.0 | 4.036 | 3.996 |
| 2,3,4-Trichlorobiphenyl | 55702-46-0 | 99.0 | 4.008 | 3.968 |
| 2,3,4'-Trichlorobiphenyl | 38444-85-8 | 99.0 | 4.028 | 3.988 |
| 2,3,5-Trichlorobiphenyl | 55720-44-0 | 99.0 | 4.004 | 3.964 |
| 2,3,6-Trichlorobiphenyl | 55702-45-9 | 99.4 | 4.020 | 3.996 |
| 2,3',4-Trichlorobiphenyl | 55712-37-3 | 100 | 4.000 | 4.000 |
| 2,3',5-Trichlorobiphenyl | 38444-81-4 | 99.0 | 4.024 | 3.984 |
| 2,3',6-Trichlorobiphenyl | 38444-76-7 | 99.1 | 4.024 | 3.988 |
| 2,4,4'-Trichlorobiphenyl | 7012-37-5 | 100 | 4.000 | 4.000 |
| 2,4,5-Trichlorobiphenyl | 15862-07-4 | 99.0 | 4.036 | 3.996 |
| 2,4,6-Trichlorobiphenyl | 35693-92-6 | 100 | 4.024 | 4.024 |
| 2,4',5-Trichlorobiphenyl | 16606-02-3 | 100 | 4.020 | 4.020 |
| 2,4',6-Trichlorobiphenyl | 38444-77-4 | 99.0 | 4.024 | 3.984 |
| 2',3,4-Trichlorobiphenyl | 38444-86-9 | 99.0 | 4.036 | 3.996 |
| 2',3,5-Trichlorobiphenyl | 37680-68-5 | 99.0 | 4.000 | 3.960 |
| 3,3'-4-Trichlorobiphenyl | 37680-69-6 | 100 | 4.004 | 4.004 |
| 3,3',5-Trichlorobiphenyl | 38444-87-0 | 99.6 | 4.004 | 3.988 |
| 3,4,4'-Trichlorobiphenyl | 38444-90-5 | 99.7 | 4.004 | 3.992 |
| 3,4,5-Trichlorobiphenyl | 53555-66-1 | 99.0 | 4.008 | 3.968 |
| 3,4',5-Trichlorobiphenyl | 38444-88-1 | 99.6 | 4.024 | 4.008 |
| 2,2',3,3'-Tetrachlorobiphenyl | 38444-93-8 | 99.1 | 4.016 | 3.980 |
| 2,2',3,4-Tetrachlorobiphenyl | 52663-59-9 | 99.3 | 4.016 | 3.988 |
| 2,2',3,4'-Tetrachlorobiphenyl | 36559-22-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,5-Tetrachlorobiphenyl | 70362-46-8 | 99.9 | 4.012 | 4.008 |
| 2,2',3,5'-Tetrachlorobiphenyl | 41464-39-5 | 99.0 | 4.004 | 3.964 |
| 2,2',3,6-Tetrachlorobiphenyl | 70362-45-7 | 99.9 | 4.012 | 4.008 |
| 2,2',3,6'-Tetrachlorobiphenyl | 41464-47-5 | 99.4 | 4.004 | 3.980 |
| 2,2',4,4'-Tetrachlorobiphenyl | 2437-79-8 | 99.0 | 4.012 | 3.972 |
| 2,2',4,5-Tetrachlorobiphenyl | 70362-47-9 | 99.9 | 4.008 | 4.004 |
| 2,2',4,5'-Tetrachlorobiphenyl | 41464-40-8 | 99.0 | 4.016 | 3.976 |
| 2,2',4,6-Tetrachlorobiphenyl | 62796-65-0 | 100 | 4.004 | 4.004 |
| 2,2',4,6'-Tetrachlorobiphenyl | 68194-04-7 | 99.6 | 4.012 | 3.996 |
| 2,2',5,5'-Tetrachlorobiphenyl | 35693-99-3 | 99.0 | 4.008 | 3.968 |
| 2,2',5,6'-Tetrachlorobiphenyl | 41464-41-9 | 99.0 | 4.004 | 3.964 |
| 2,2',6,6'-Tetrachlorobiphenyl | 15968-05-5 | 99.4 | 4.028 | 4.004 |
| 2,3,3',4-Tetrachlorobiphenyl | 74338-24-2 | 99.7 | 4.016 | 4.004 |
| 2,3,3',4'-Tetrachlorobiphenyl | 41464-43-1 | 99.6 | 4.036 | 4.020 |
| 2,3,3',5-Tetrachlorobiphenyl | 70424-67-8 | 100 | 4.008 | 4.008 |
| 2,3,3',5'-Tetrachlorobiphenyl | 41464-49-7 | 99.0 | 4.028 | 3.988 |
| 2,3,3',6-Tetrachlorobiphenyl | 74472-33-6 | 98.5 | 4.012 | 3.952 |
| 2,3,4,4'-Tetrachlorobiphenyl | 33025-41-1 | 99.0 | 4.008 | 3.968 |
| 2,3,4,5-Tetrachlorobiphenyl | 33284-53-6 | 99.0 | 4.004 | 3.964 |
| 2,3,4,6-Tetrachlorobiphenyl | 54230-22-7 | 99.0 | 4.008 | 3.968 |
| 2,3,4',5-Tetrachlorobiphenyl | 74472-34-7 | 100 | 4.016 | 4.016 |
| 2,3,4',6-Tetrachlorobiphenyl | 52663-58-8 | 99.7 | 4.032 | 4.020 |
| 2,3,5,6-Tetrachlorobiphenyl | 33284-54-7 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4'-Tetrachlorobiphenyl | 32598-10-0 | 100 | 4.000 | 4.000 |
| 2,3',4,5-Tetrachlorobiphenyl | 73557-53-8 | 100 | 4.036 | 4.036 |
| 2,3',4,5'-Tetrachlorobiphenyl | 73575-52-7 | 99.9 | 4.004 | 4.000 |
| 2,3',4,6-Tetrachlorobiphenyl | 60233-24-1 | 99.9 | 4.024 | 4.020 |
| 2,3',4',5-Tetrachlorobiphenyl | 32598-11-1 | 99.0 | 4.000 | 3.960 |
| 2,3',4',6-Tetrachlorobiphenyl | 41464-46-4 | 100 | 4.016 | 4.016 |
| 2,3',5,5'-Tetrachlorobiphenyl | 41464-42-0 | 99.0 | 4.004 | 3.964 |
| 2,3',5',6-Tetrachlorobiphenyl | 74338-23-1 | 99.7 | 4.016 | 4.004 |
| 2,4,4',5-Tetrachlorobiphenyl | 32690-93-0 | 100 | 4.020 | 4.020 |
| 2,4,4',6-Tetrachlorobiphenyl | 32598-12-2 | 99.5 | 4.000 | 3.980 |
| 2',3,4,5-Tetrachlorobiphenyl | 70362-48-0 | 99.0 | 4.028 | 3.988 |
| 3,3',4,4'-Tetrachlorobiphenyl | 32598-13-3 | 99.0 | 4.000 | 3.960 |
| 3,3',4,5-Tetrachlorobiphenyl | 70362-49-1 | 99.0 | 4.024 | 3.984 |
| 3,3',4,5'-Tetrachlorobiphenyl | 41464-48-6 | 99.9 | 4.008 | 4.004 |
| 3,3',5,5'-Tetrachlorobiphenyl | 33284-52-5 | 99.0 | 4.028 | 3.988 |
| 3,4,4',5-Tetrachlorobiphenyl | 70362-50-4 | 100 | 4.004 | 4.004 |

1. All weights are traceable through NIST, Test No. 822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is ±2% which is the Combined Uncertainty uc(y). It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is Uc(y) *K where K is the coverage factor at the 95% confidence level (K=2).
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

209 Components

Certified by: R. Cooper

125 Market Street
New Haven, CT 06513
USA

# AccuStandard®, Inc.

Tel (203)786-5290
Fax (203)786-5287
Website AccuStandard.com

# CERTIFICATE OF ANALYSIS

**CATALOG NO:** S-9994-4X
**DESCRIPTION:** Custom PCB Standard - all 209 PCB Congeners
**EXPIRATION:** Sep 17, 2019
**LOT #:** 209091190
**See reverse for additional certification information.**
**SOLVENT:** Isooctane

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2,2',3,3',4-Pentachlorobiphenyl | 52663-62-4 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',5-Pentachlorobiphenyl | 60145-20-2 | 100 | 4.012 | 4.012 |
| 2,2',3,3',6-Pentachlorobiphenyl | 52663-60-2 | 100 | 4.000 | 4.000 |
| 2,2',3,4,4'-Pentachlorobiphenyl | 65510-45-4 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5-Pentachlorobiphenyl | 55312-69-1 | 100 | 4.008 | 4.008 |
| 2,2',3,4,5'-Pentachlorobiphenyl | 38380-02-8 | 99.5 | 4.020 | 4.000 |
| 2,2',3,4,6-Pentachlorobiphenyl | 55215-17-3 | 99.6 | 4.008 | 3.992 |
| 2,2',3,4,6'-Pentachlorobiphenyl | 73575-57-2 | 99.9 | 4.004 | 4.000 |
| 2,2',3,4',5-Pentachlorobiphenyl | 68194-07-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',6-Pentachlorobiphenyl | 68194-05-8 | 99.6 | 4.036 | 4.020 |
| 2,2',3,5,5'-Pentachlorobiphenyl | 52663-61-3 | 99.7 | 4.016 | 4.004 |
| 2,2',3,5,6-Pentachlorobiphenyl | 73575-56-1 | 99.8 | 4.028 | 4.020 |
| 2,2',3,5,6'-Pentachlorobiphenyl | 73575-55-0 | 100 | 4.016 | 4.016 |
| 2,2',3,5',6-Pentachlorobiphenyl | 38379-99-6 | 100 | 4.012 | 4.012 |
| 2,2',3,6,6'-Pentachlorobiphenyl | 73575-54-9 | 99.2 | 4.004 | 3.972 |
| 2,2',3',4,5-Pentachlorobiphenyl | 41464-51-1 | 99.0 | 4.020 | 3.980 |
| 2,2',3',4,6-Pentachlorobiphenyl | 60233-25-2 | 99.3 | 4.024 | 3.996 |
| 2,2',4,4',5-Pentachlorobiphenyl | 38380-01-7 | 99.6 | 4.036 | 4.020 |
| 2,2',4,4',6-Pentachlorobiphenyl | 39485-83-1 | 99.9 | 4.012 | 4.008 |
| 2,2',4,5,5'-Pentachlorobiphenyl | 37680-73-2 | 99.0 | 4.008 | 3.968 |
| 2,2',4,5,6'-Pentachlorobiphenyl | 68194-06-9 | 99.3 | 4.000 | 3.972 |
| 2,2',4,5',6-Pentachlorobiphenyl | 60145-21-3 | 100 | 4.024 | 4.024 |
| 2,2',4,6,6'-Pentachlorobiphenyl | 56558-16-8 | 99.0 | 4.008 | 3.968 |
| 2,3,3',4,4'-Pentachlorobiphenyl | 32598-14-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,5-Pentachlorobiphenyl | 70424-69-0 | 99.6 | 4.008 | 3.992 |
| 2,3,3',4',5-Pentachlorobiphenyl | 70424-68-9 | 100 | 4.008 | 4.008 |
| 2,3,3',4,5'-Pentachlorobiphenyl | 70362-41-3 | 100 | 4.012 | 4.012 |
| 2,3,3',4,6-Pentachlorobiphenyl | 74472-35-8 | 100 | 4.024 | 4.024 |
| 2,3,3',4',6-Pentachlorobiphenyl | 38380-03-9 | 99.5 | 4.054 | 4.034 |
| 2,3,3',5,5'-Pentachlorobiphenyl | 39635-32-0 | 100 | 4.024 | 4.024 |
| 2,3,3',5,6-Pentachlorobiphenyl | 74472-36-9 | 99.8 | 4.032 | 4.024 |
| 2,3,3',5',6-Pentachlorobiphenyl | 68194-10-5 | 98.9 | 4.012 | 3.968 |
| 2,3,4,4',5-Pentachlorobiphenyl | 74472-37-0 | 99.0 | 4.020 | 3.980 |
| 2,3,4,4',6-Pentachlorobiphenyl | 74472-38-1 | 99.5 | 4.020 | 4.000 |
| 2,3,4,5,6-Pentachlorobiphenyl | 18259-05-7 | 99.0 | 4.020 | 3.980 |
| 2,3,4',5,6-Pentachlorobiphenyl | 68194-11-6 | 99.0 | 4.024 | 3.984 |
| 2,3',4,4',5-Pentachlorobiphenyl | 31508-00-6 | 100 | 4.008 | 4.008 |
| 2,3',4,4',6-Pentachlorobiphenyl | 56558-17-9 | 100 | 4.028 | 4.028 |
| 2,3',4,5,5'-Pentachlorobiphenyl | 68194-12-7 | 99.7 | 4.020 | 4.008 |
| 2,3',4,5',6-Pentachlorobiphenyl | 56558-18-0 | 99.2 | 4.016 | 3.984 |
| 2',3,3',4,5-Pentachlorobiphenyl | 76842-07-4 | 99.4 | 4.024 | 4.000 |
| 2',3,4,4',5-Pentachlorobiphenyl | 65510-44-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,5'-Pentachlorobiphenyl | 70424-70-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,6'-Pentachlorobiphenyl | 74472-39-2 | 99.1 | 4.008 | 3.972 |
| 3,3',4,4',5-Pentachlorobiphenyl | 57465-28-8 | 99.0 | 4.008 | 3.968 |
| 3,3',4,5,5'-Pentachlorobiphenyl | 39635-33-1 | 100 | 4.020 | 4.020 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl | 38380-07-3 | 99.7 | 4.024 | 4.012 |
| 2,2',3,3',4,5-Hexachlorobiphenyl | 55215-18-4 | 99.3 | 4.016 | 3.988 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl | 52663-66-8 | 99.3 | 4.020 | 3.992 |
| 2,2',3,3',4,6-Hexachlorobiphenyl | 61798-70-7 | 100 | 4.020 | 4.020 |
| 2,2',3,3',4,6'-Hexachlorobiphenyl | 38380-05-1 | 99.0 | 4.024 | 3.984 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl | 35694-04-3 | 100 | 4.004 | 4.004 |
| 2,2',3,3',5,6-Hexachlorobiphenyl | 52704-70-8 | 99.3 | 4.036 | 4.008 |
| 2,2',3,3',5,6'-Hexachlorobiphenyl | 52744-13-5 | 98.8 | 4.020 | 3.972 |
| 2,2',3,3',6,6'-Hexachlorobiphenyl | 38411-22-2 | 99.9 | 4.000 | 3.996 |
| 2,2',3,4,4',5-Hexachlorobiphenyl | 35694-06-5 | 99.0 | 4.032 | 3.992 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl | 35065-28-2 | 99.8 | 4.036 | 4.028 |
| 2,2',3,4,4',6-Hexachlorobiphenyl | 56030-56-9 | 99.4 | 4.004 | 3.980 |
| 2,2',3,4,4',6'-Hexachlorobiphenyl | 59291-64-4 | 99.6 | 4.012 | 3.996 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl | 52712-04-6 | 99.0 | 4.016 | 3.976 |
| 2,2',3,4,5,6-Hexachlorobiphenyl | 41411-61-4 | 99.0 | 4.012 | 3.972 |
| 2,2',3,4,5,6'-Hexachlorobiphenyl | 68194-15-0 | 99.0 | 4.008 | 3.968 |
| 2,2',3,4,5',6-Hexachlorobiphenyl | 68194-14-9 | 100 | 4.004 | 4.004 |
| 2,2',3,4,6,6'-Hexachlorobiphenyl | 74472-40-5 | 100 | 4.012 | 4.012 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl | 51908-16-8 | 98.9 | 4.012 | 3.968 |
| 2,2',3,4',5,6-Hexachlorobiphenyl | 68194-13-8 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl | 74472-41-6 | 99.5 | 4.004 | 3.984 |
| 2,2',3,4',5',6-Hexachlorobiphenyl | 38380-04-0 | 99.2 | 4.012 | 3.980 |
| 2,2',3,4',6,6'-Hexachlorobiphenyl | 68194-08-1 | 99.0 | 4.016 | 3.976 |
| 2,2',3,5,5',6-Hexachlorobiphenyl | 52663-63-5 | 100 | 4.004 | 4.004 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl | 68194-09-2 | 100 | 4.016 | 4.016 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl | 35065-27-1 | 99.6 | 4.004 | 3.988 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl | 60145-22-4 | 99.4 | 4.000 | 3.976 |
| 2,2',4,4',6,6'-Hexachlorobiphenyl | 33979-03-2 | 99.3 | 4.004 | 3.976 |
| 2,3,3',4,4',5-Hexachlorobiphenyl | 38380-08-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5'-Hexachlorobiphenyl | 69782-90-7 | 99.0 | 4.032 | 3.992 |
| 2,3,3',4,4',6-Hexachlorobiphenyl | 74472-42-7 | 100 | 4.000 | 4.000 |
| 2,3,3',4,5,5'-Hexachlorobiphenyl | 39635-35-3 | 100 | 4.008 | 4.008 |
| 2,3,3',4,5,6-Hexachlorobiphenyl | 41411-62-5 | 100 | 4.012 | 4.012 |
| 2,3,3',4,5',6-Hexachlorobiphenyl | 74474-43-8 | 98.8 | 4.004 | 3.956 |
| 2,3,3',4',5,5'-Hexachlorobiphenyl | 39635-34-2 | 100 | 4.016 | 4.016 |
| 2,3,3',4',5,6-Hexachlorobiphenyl | 74472-44-9 | 99.0 | 4.004 | 3.964 |

1. All weights are traceable through NIST, Test No. 822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is ±2% which is the Combined Uncertainty uc(y). It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is Uc(y) *K where K is the coverage factor at the 95% confidence level (K=2).
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

209 Components

Certified by: R. Cooper



Confidential

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New Haven, CT 06513
USA

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Fax (203)786-5287
Website AccuStandard.com

# CERTIFICATE OF ANALYSIS

**CATALOG NO:** S-9994-4X
**DESCRIPTION:** Custom PCB Standard - all 209 PCB Congeners **EXPIRATION:** Sep 17, 2019
**LOT #:** 209091190 **See reverse for additional certification information.**
**SOLVENT:** Isooctane

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2,3,3',4',5',6-Hexachlorobiphenyl | 74472-45-0 | 99.7 | 4.000 | 3.988 |
| 2,3,3',5,5',6-Hexachlorobiphenyl | 74472-46-1 | 99.0 | 4.000 | 3.960 |
| 2,3,4,4',5,6-Hexachlorobiphenyl | 41411-63-6 | 99.0 | 4.016 | 3.976 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl | 52663-72-6 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4',5',6-Hexachlorobiphenyl | 59291-65-5 | 99.0 | 4.016 | 3.976 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl | 32774-16-6 | 100 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl | 35065-30-6 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',4,4',6-Heptachlorobiphenyl | 52663-71-5 | 100 | 4.020 | 4.020 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl | 52663-74-8 | 99.7 | 4.008 | 3.996 |
| 2,2',3,3',4,5,6-Heptachlorobiphenyl | 68194-16-1 | 100 | 4.000 | 4.000 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl | 38411-25-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl | 40186-70-7 | 99.6 | 4.000 | 3.984 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl | 52663-65-7 | 100 | 4.036 | 4.036 |
| 2,2',3,3',4',5,6-Heptachlorobiphenyl | 52663-70-4 | 100 | 4.024 | 4.024 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl | 52663-67-9 | 99.4 | 4.020 | 3.996 |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl | 52663-64-6 | 99.6 | 4.024 | 4.008 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl | 35065-29-3 | 99.7 | 4.008 | 3.996 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl | 74472-47-2 | 100 | 4.000 | 4.000 |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl | 60145-23-5 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl | 52663-69-1 | 99.5 | 4.024 | 4.004 |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl | 74472-48-3 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl | 52712-05-7 | 100 | 4.000 | 4.000 |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl | 74472-49-4 | 100 | 4.000 | 4.000 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl | 52663-68-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl | 74487-85-7 | 99.0 | 4.040 | 4.000 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl | 39635-31-9 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl | 41411-64-7 | 100 | 4.028 | 4.028 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl | 74472-50-7 | 99.5 | 4.024 | 4.004 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl | 74472-51-8 | 99.1 | 4.024 | 3.988 |
| 2,3,3',4',5,5',6-Heptachlorobiphenyl | 69782-91-8 | 100 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl | 35694-08-7 | 100 | 4.032 | 4.032 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl | 52663-78-2 | 99.8 | 4.008 | 4.000 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | 42740-50-1 | 99.3 | 4.012 | 3.984 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl | 33091-17-7 | 100 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6-Octachlorobiphenyl | 68194-17-2 | 99.2 | 4.016 | 3.984 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl | 52663-73-7 | 100 | 4.032 | 4.032 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | 40186-71-8 | 100 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6'-Octachlorobiphenyl | 52663-75-9 | 100 | 4.008 | 4.008 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl | 2136-99-4 | 98.0 | 4.016 | 3.936 |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl | 52663-76-0 | 100 | 4.028 | 4.028 |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl | 74472-52-9 | 99.9 | 4.012 | 4.008 |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl | 74472-53-0 | 100 | 4.012 | 4.012 |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl | 40186-72-9 | 100 | 4.008 | 4.008 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl | 52663-79-3 | 99.0 | 4.020 | 3.980 |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl | 52663-77-1 | 99.8 | 4.020 | 4.012 |
| 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl | 2051-24-3 | 99.5 | 4.024 | 4.004 |

ACCUSTANDARD

1. All weights are traceable through NIST, Test No. 822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty calculated for this product is ±2% which is the Combined Uncertainty uc(y). It represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The Expanded Uncertainty is U which is Uc(y) *K where K is the coverage factor at the 95% confidence level (K=2).
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

209 Components

Certified by: R. Cooper

# Reagent

# 61MXPCBMIX1S_00002

125 Market Street
New Haven, CT 06513
USA

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Tel (203)786-5290
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www.AccuStandard.com

# CERTIFICATE OF ANALYSIS

Cert DX008-1A
Recd 3/29/15
Exp 6/20/21
5 ampules Recd
Opened 4/9/15
A B D E

**Catalog No:** M-1668A-1-0.01X
**Description:** PCB Congener Mix 1
**Lot:** 211061189
**Solvent:** Isooctane
**Hazards:** **HIGHLY FLAMMABLE** - *Refer to SDS for safety info*

Danger 2

**Date Certified:** Jun 20, 2011
**Expiration:** Jun 20, 2021
**Sample Size:** 1 mL
**Components:** 83
**Storage Condition:** Ambient

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

| Component | CAS # | Purity % (GC/FID) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 3-Chlorobiphenyl | 2051-61-8 | 99.0 | 2.500 | 2.475 |
| 2,6-Dichlorobiphenyl | 33146-45-1 | 99.0 | 2.500 | 2.475 |
| 2,5-Dichlorobiphenyl | 34883-39-1 | 99.0 | 2 500 | 2.475 |
| 2,3'-Dichlorobiphenyl | 25569-80-6 | 99.0 | 2 500 | 2.475 |
| 2,4'-Dichlorobiphenyl | 34883-43-7 | 99.0 | 2.500 | 2.475 |
| 3,5-Dichlorobiphenyl | 34883-41-5 | 99.9 | 2.500 | 2.498 |
| 3,3'-Dichlorobiphenyl | 2050-67-1 | 99.2 | 2.500 | 2.480 |
| 2,4,6-Trichlorobiphenyl | 35693-92-6 | 100.0 | 2 500 | 2.500 |
| 2,3',6-Trichlorobiphenyl | 38444-76-7 | 99 1 | 2.500 | 2.478 |
| 2,4',6-Trichlorobiphenyl | 38444-77-8 | 99.0 | 2.500 | 2.475 |
| 2',3,5-Trichlorobiphenyl | 37680-68-5 | 99 0 | 2.500 | 2.475 |
| 2,3',5-Trichlorobiphenyl | 38444-81-4 | 99 0 | 2.500 | 2.475 |
| 2,4',5-Trichlorobiphenyl | 16606-02-3 | 100 0 | 2.500 | 2.500 |
| 2',3,4-Trichlorobiphenyl | 38444-86-9 | 99 0 | 2.500 | 2.475 |
| 3,3',5-Trichlorobiphenyl | 38444-87-0 | 99.6 | 2.500 | 2.490 |
| 3,4,5-Trichlorobiphenyl | 53555-66-1 | 99.0 | 2.500 | 2.475 |
| 3,3',4-Trichlorobiphenyl | 37680-69-6 | 100.0 | 2.500 | 2.500 |
| 2,2',4,6-Tetrachlorobiphenyl | 62796-65-0 | 100.0 | 5.020 | 5.020 |
| 2,2',3,6-Tetrachlorobiphenyl | 70362-45-7 | 99.9 | 5.030 | 5.025 |
| 2,2',5,5'-Tetrachlorobiphenyl | 35693-99-3 | 99.0 | 5.010 | 4.960 |
| 2,2',4,5'-Tetrachlorobiphenyl | 41464-40-8 | 99.0 | 5.030 | 4.980 |
| 2,4,4',6-Tetrachlorobiphenyl | 32598-12-2 | 99.5 | 5.000 | 4.975 |
| 2,2',3,4-Tetrachlorobiphenyl | 52663-59-9 | 99.3 | 5.010 | 4.975 |
| 2,3',5,5'-Tetrachlorobiphenyl | 41464-42-0 | 99.0 | 5.030 | 4.980 |
| 2,3,3',5-Tetrachlorobiphenyl | 70424-67-8 | 100.0 | 5.020 | 5.020 |
| 2,3,4',5-Tetrachlorobiphenyl | 74472-34-7 | 100.0 | 5.000 | 5.000 |
| 2,3',4,4'-Tetrachlorobiphenyl | 32598-10-0 | 99.9 | 5.000 | 4.995 |
| 3,3',4,5'-Tetrachlorobiphenyl | 41464-48-6 | 99.9 | 5.000 | 4.995 |
| 3,3',4,5-Tetrachlorobiphenyl | 70362-49-1 | 99.0 | 5.020 | 4.970 |
| 3,4,4',5-Tetrachlorobiphenyl | 70362-50-4 | 100.0 | 5.010 | 5.010 |
| 2,2',3,6,6'-Pentachlorobiphenyl | 73575-54-9 | 99.2 | 5.020 | 4.980 |
| 2,2',4,5',6-Pentachlorobiphenyl | 60145-21-3 | 100.0 | 5.020 | 5.020 |
| 2,2',3,5',6-Pentachlorobiphenyl | 38379-99-6 | 100.0 | 5.010 | 5.010 |
| 2,2',3,4,6-Pentachlorobiphenyl | 55215-17-3 | 99.6 | 5.020 | 5.000 |
| 2,2',3,4,6'-Pentachlorobiphenyl | 73575-57-2 | 99.9 | 5.010 | 5.005 |
| 2,2',3,5,5'-Pentachlorobiphenyl | 52663-61-3 | 99.7 | 5.020 | 5.005 |
| 2,3,3',5',6-Pentachlorobiphenyl | 68194-10-5 | 98.9 | 5.010 | 4.955 |
| 2,2',3,3',5-Pentachlorobiphenyl | 60145-20-2 | 100.0 | 5.000 | 5.000 |
| 2,3',4,4',6-Pentachlorobiphenyl | 56558-17-9 | 100.0 | 5.010 | 5.010 |
| 2,2',3,4,5'-Pentachlorobiphenyl | 38380-02-8 | 99.5 | 5.040 | 5.015 |
| 2,2',3,4,4'-Pentachlorobiphenyl | 65510-45-4 | 99.0 | 5.020 | 4.970 |
| 2,2',3,3',4-Pentachlorobiphenyl | 52663-62-4 | 99.0 | 5.040 | 4.990 |
| 2,3',4,5,5'-Pentachlorobiphenyl | 68194-12-7 | 99.7 | 5.040 | 5.025 |
| 2',3,4,5,5'-Pentachlorobiphenyl | 70424-70-3 | 99.0 | 5.030 | 4.980 |
| 2,3,3',4,5-Pentachlorobiphenyl | 70424-69-0 | 99.6 | 5.010 | 4.990 |
| 2',3,3',4,5-Pentachlorobiphenyl | 76842-07-4 | 99.4 | 5.030 | 5.000 |



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# CERTIFICATE OF ANALYSIS

**Catalog No:** M-1668A-1-0.01X
**Description:** PCB Congener Mix 1
**Lot:** 211061189
**Solvent:** Isooctane

**Date Certified:** Jun 20, 2011
**Expiration:** Jun 20, 2021
**Sample Size:** 1 mL
**Components:** 83

| Component - *continued* | CAS # | Purity % (GC/FID) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2,3,3',4,4'-Pentachlorobiphenyl | 32598-14-4 | 99.0 | 5.010 | 4.960 |
| 3,3',4,5,5'-Pentachlorobiphenyl | 39635-33-1 | 100.0 | 5.040 | 5.040 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl | 68194-09-2 | 100.0 | 5.010 | 5.010 |
| 2,2',3,3',6,6'-Hexachlorobiphenyl | 38411-22-2 | 99.9 | 5.010 | 5.005 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl | 74472-41-6 | 99.5 | 5.010 | 4.985 |
| 2,2',3,5,5',6-Hexachlorobiphenyl | 52663-63-5 | 100.0 | 5.020 | 5.020 |
| 2,2',3,4,5',6-Hexachlorobiphenyl | 68194-14-9 | 100.0 | 5.010 | 5.010 |
| 2,2',3,4,5,6'-Hexachlorobiphenyl | 68194-15-0 | 99.4 | 5.010 | 4.980 |
| 2,2',3,4,5,6-Hexachlorobiphenyl | 41411-61-4 | 99.0 | 5.010 | 4.960 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl | 35694-04-3 | 100.0 | 5.020 | 5.020 |
| 2,3,3',4,5',6-Hexachlorobiphenyl | 74474-43-8 | 98.8 | 5.010 | 4.950 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl | 35065-27-1 | 99.2 | 5.000 | 4.960 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl | 52663-66-8 | 99.3 | 5.030 | 4.995 |
| 2,2',3,3',4,5-Hexachlorobiphenyl | 55215-18-4 | 99.3 | 5.000 | 4.965 |
| 2,3,4,4',5,6-Hexachlorobiphenyl | 41411-63-6 | 99.0 | 5.020 | 4.970 |
| 2,3,3',4,5,5'-Hexachlorobiphenyl | 39635-35-3 | 100.0 | 5.010 | 5.010 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl | 52663-72-6 | 99.0 | 5.020 | 4.970 |
| 2,3,3',4,4',5-Hexachlorobiphenyl | 38380-08-4 | 99.0 | 5.030 | 4.980 |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl | 52663-64-6 | 100.0 | 5.030 | 5.030 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl | 52663-65-7 | 100.0 | 5.020 | 5.020 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl | 52663-67-9 | 99.4 | 5.010 | 4.980 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl | 40186-70-7 | 99.6 | 5.020 | 5.000 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl | 52663-69-1 | 99.0 | 5.010 | 4.960 |
| 2,2',3,3',4',5,6-Heptachlorobiphenyl | 52663-70-4 | 100.0 | 5.000 | 5.000 |
| 2,2',3,3',4,4',6-Heptachlorobiphenyl | 52663-71-5 | 100.0 | 5.030 | 5.030 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl | 52663-74-8 | 99.7 | 5.030 | 5.015 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl | 74472-50-7 | 99.8 | 5.020 | 5.010 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl | 35065-30-6 | 99.0 | 5.010 | 4.960 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl | 41411-64-7 | 100.0 | 5.020 | 5.020 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | 40186-71-8 | 100.0 | 7.510 | 7.510 |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl | 74472-52-9 | 99.9 | 7.510 | 7.502 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl | 52663-73-7 | 100.0 | 7.500 | 7.500 |
| 2,2',3,3',4,5,5',6-Octachlorobiphenyl | 68194-17-2 | 98.9 | 7.500 | 7.418 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | 42740-50-1 | 99.3 | 7.500 | 7.448 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl | 52663-78-2 | 100.0 | 7.500 | 7.500 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl | 35694-08-7 | 100.0 | 7.510 | 7.510 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl | 52663-79-3 | 100.0 | 7.510 | 7.510 |

[1] All weights are traceable through NIST, Test No 822/272103-05

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

Labels and certificates follow U.S. Conventions in reporting numerical values:
A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

See reverse side for additional information

Certified By: Larry Decker, Organic QC Manager



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# CERTIFICATE OF ANALYSIS

**Catalog No:** M-1668A-1-0.01X
**Description:** PCB Congener Mix 1
**Lot:** B8090114
**Solvent:** Isooctane
**Hazards:** **HIGHLY FLAMMABLE** - *Refer to SDS for safety info*

Danger 2

**Date Certified:** Sep 12, 2008
**Expiration:** Sep 12, 2018
**Sample Size:** 1 mL
**Components:** 83
**Storage Condition:** Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes

| Component | CAS # | Purity % (GC/FID) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 3-Chlorobiphenyl | 2051-61-8 | 99.0 | 2.500 | 2.475 |
| 2,6-Dichlorobiphenyl | 33146-45-1 | 99.0 | 2.500 | 2.475 |
| 2,5-Dichlorobiphenyl | 34883-39-1 | 99.0 | 2.500 | 2.475 |
| 2,3'-Dichlorobiphenyl | 25569-80-6 | 99.0 | 2.500 | 2.475 |
| 2,4'-Dichlorobiphenyl | 34883-43-7 | 99.0 | 2.500 | 2.475 |
| 3,5-Dichlorobiphenyl | 34883-41-5 | 99.9 | 2.500 | 2.498 |
| 3,3'-Dichlorobiphenyl | 2050-67-1 | 99.2 | 2.500 | 2.480 |
| 2,4,6-Trichlorobiphenyl | 35693-92-6 | 100.0 | 2.500 | 2.500 |
| 2,3',6-Trichlorobiphenyl | 38444-76-7 | 99.1 | 2.500 | 2.478 |
| 2,4',6-Trichlorobiphenyl | 38444-77-8 | 99.0 | 2.500 | 2.475 |
| 2',3,5-Trichlorobiphenyl | 37680-68-5 | 99.0 | 2.500 | 2.475 |
| 2,3',5-Trichlorobiphenyl | 38444-81-4 | 99.0 | 2.500 | 2.475 |
| 2,4',5-Trichlorobiphenyl | 16606-02-3 | 100.0 | 2.500 | 2.500 |
| 2',3,4-Trichlorobiphenyl | 38444-86-9 | 99.0 | 2.500 | 2.475 |
| 3,3',5-Trichlorobiphenyl | 38444-87-0 | 99.6 | 2.500 | 2.490 |
| 3,4,5-Trichlorobiphenyl | 53555-66-1 | 99.0 | 2.500 | 2.475 |
| 3,3',4-Trichlorobiphenyl | 37680-69-6 | 100.0 | 2.500 | 2.500 |
| 2,2',4,6-Tetrachlorobiphenyl | 62796-65-0 | 100.0 | 5.020 | 5.020 |
| 2,2',3,6-Tetrachlorobiphenyl | 70362-45-7 | 99.9 | 5.030 | 5.025 |
| 2,2',5,5'-Tetrachlorobiphenyl | 35693-99-3 | 99.0 | 5.010 | 4.960 |
| 2,2',4,5'-Tetrachlorobiphenyl | 41464-40-8 | 99.0 | 5.030 | 4.980 |
| 2,4,4',6-Tetrachlorobiphenyl | 32598-12-2 | 99.5 | 5.000 | 4.975 |
| 2,2',3,4-Tetrachlorobiphenyl | 52663-59-9 | 99.3 | 5.010 | 4.975 |
| 2,3',5,5'-Tetrachlorobiphenyl | 41464-42-0 | 99.0 | 5.030 | 4.980 |
| 2,3,3',5-Tetrachlorobiphenyl | 70424-67-8 | 100.0 | 5.020 | 5.020 |
| 2,3,4',5-Tetrachlorobiphenyl | 74472-34-7 | 100.0 | 5.000 | 5.000 |
| 2,3',4,4'-Tetrachlorobiphenyl | 32598-10-0 | 99.9 | 5.000 | 4.995 |
| 3,3',4,5'-Tetrachlorobiphenyl | 41464-48-6 | 99.9 | 5.000 | 4.995 |
| 3,3',4,5-Tetrachlorobiphenyl | 70362-49-1 | 99.0 | 5.020 | 4.970 |
| 3,4,4',5-Tetrachlorobiphenyl | 70362-50-4 | 100.0 | 5.010 | 5.010 |
| 2,2',3,6,6'-Pentachlorobiphenyl | 73575-54-9 | 99.2 | 5.020 | 4.980 |
| 2,2',4,5',6-Pentachlorobiphenyl | 60145-21-3 | 100.0 | 5.020 | 5.020 |
| 2,2',3,5',6-Pentachlorobiphenyl | 38379-99-6 | 100.0 | 5.010 | 5.010 |
| 2,2',3,4,6-Pentachlorobiphenyl | 55215-17-3 | 99.6 | 5.020 | 5.000 |
| 2,2',3,4,6'-Pentachlorobiphenyl | 73575-57-2 | 99.9 | 5.010 | 5.005 |
| 2,2',3,5,5'-Pentachlorobiphenyl | 52663-61-3 | 99.7 | 5.020 | 5.005 |
| 2,3,3',5',6-Pentachlorobiphenyl | 68194-10-5 | 98.9 | 5.010 | 4.955 |
| 2,2',3,3',5-Pentachlorobiphenyl | 60145-20-2 | 100.0 | 5.000 | 5.000 |
| 2,3',4,4',6-Pentachlorobiphenyl | 56558-17-9 | 100.0 | 5.010 | 5.010 |
| 2,2',3,4,5'-Pentachlorobiphenyl | 38380-02-8 | 99.5 | 5.040 | 5.015 |
| 2,2',3,4,4'-Pentachlorobiphenyl | 65510-45-4 | 99.0 | 5.020 | 4.970 |
| 2,2',3,3',4-Pentachlorobiphenyl | 52663-62-4 | 99.0 | 5.040 | 4.990 |
| 2,3',4,5,5'-Pentachlorobiphenyl | 68194-12-7 | 99.7 | 5.040 | 5.025 |
| 2',3,4,5,5'-Pentachlorobiphenyl | 70424-70-3 | 99.0 | 5.030 | 4.980 |
| 2,3,3',4,5-Pentachlorobiphenyl | 70424-69-0 | 99.6 | 5.010 | 4.990 |
| 2',3,3',4,5-Pentachlorobiphenyl | 76842-07-4 | 99.4 | 5.030 | 5.000 |

Updated CAS # 's for PCB 32 + PCB 161



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# CERTIFICATE OF ANALYSIS

**Catalog No:** M-1668A-1-0.01X
**Description:** PCB Congener Mix 1
**Lot:** B8090114
**Solvent:** Isooctane

**Date Certified:** Sep 12, 2008
**Expiration:** Sep 12, 2018
**Sample Size:** 1 mL
**Components:** 83

| Component - *continued* | CAS # | Purity % (GC/FID) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2,3,3',4,4'-Pentachlorobiphenyl | 32598-14-4 | 99.0 | 5.010 | 4.960 |
| 3,3',4,5,5'-Pentachlorobiphenyl | 39635-33-1 | 100.0 | 5.040 | 5.040 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl | 68194-09-2 | 100.0 | 5.010 | 5.010 |
| 2,2',3,3',6,6'-Hexachlorobiphenyl | 38411-22-2 | 99.9 | 5.010 | 5.005 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl | 74472-41-6 | 99.5 | 5.010 | 4.985 |
| 2,2',3,5,5',6-Hexachlorobiphenyl | 52663-63-5 | 100.0 | 5.020 | 5.020 |
| 2,2',3,4,5',6-Hexachlorobiphenyl | 68194-14-9 | 100.0 | 5.010 | 5.010 |
| 2,2',3,4,5,6'-Hexachlorobiphenyl | 68194-15-0 | 99.4 | 5.010 | 4.980 |
| 2,2',3,4,5,6-Hexachlorobiphenyl | 41411-61-4 | 99.0 | 5.010 | 4.960 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl | 35694-04-3 | 100.0 | 5.020 | 5.020 |
| 2,3,3',4,5',6-Hexachlorobiphenyl | 74472-43-8 | 98.8 | 5.010 | 4.950 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl | 35065-27-1 | 99.2 | 5.000 | 4.960 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl | 52663-66-8 | 99.3 | 5.030 | 4.995 |
| 2,2',3,3',4,5-Hexachlorobiphenyl | 55215-18-4 | 99.3 | 5.000 | 4.965 |
| 2,3,4,4',5,6-Hexachlorobiphenyl | 41411-63-6 | 99.0 | 5.020 | 4.970 |
| 2,3,3',4,5,5'-Hexachlorobiphenyl | 39635-35-3 | 100.0 | 5.010 | 5.010 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl | 52663-72-6 | 99.0 | 5.020 | 4.970 |
| 2,3,3',4,4',5-Hexachlorobiphenyl | 38380-08-4 | 99.0 | 5.030 | 4.980 |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl | 52663-64-6 | 100.0 | 5.030 | 5.030 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl | 52663-65-7 | 100.0 | 5.020 | 5.020 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl | 52663-67-9 | 99.4 | 5.010 | 4.980 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl | 40186-70-7 | 99.6 | 5.020 | 5.000 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl | 52663-69-1 | 99.0 | 5.010 | 4.960 |
| 2,2',3,3',4',5,6-Heptachlorobiphenyl | 52663-70-4 | 100.0 | 5.000 | 5.000 |
| 2,2',3,3',4,4',6-Heptachlorobiphenyl | 52663-71-5 | 100.0 | 5.030 | 5.030 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl | 52663-74-8 | 99.7 | 5.030 | 5.015 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl | 74472-50-7 | 99.8 | 5.020 | 5.010 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl | 35065-30-6 | 99.0 | 5.010 | 4.960 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl | 41411-64-7 | 100.0 | 5.020 | 5.020 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | 40186-71-8 | 100.0 | 7.510 | 7.510 |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl | 74472-52-9 | 99.9 | 7.510 | 7.502 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl | 52663-73-7 | 100.0 | 7.500 | 7.500 |
| 2,2',3,3',4,5,5',6-Octachlorobiphenyl | 68194-17-2 | 98.9 | 7.500 | 7.418 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | 42740-50-1 | 99.3 | 7.500 | 7.448 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl | 52663-78-2 | 100.0 | 7.500 | 7.500 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl | 35694-08-7 | 100.0 | 7.510 | 7.510 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl | 52663-79-3 | 100.0 | 7.510 | 7.510 |

A product with a suffix (-1A, -2B, etc or -01, -02, etc ) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] All weights are traceable through NIST, Test No 822/272103-05

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values:
A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

See reverse side for additional information

Certified By: Larry Decker, Organic QC Manager



*For use in routine laboratory analysis.*

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# Reagent

# 61MXPCBMIX2S_00002

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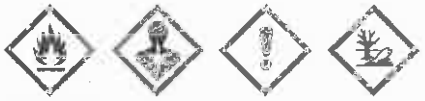
# CERTIFICATE OF ANALYSIS

Cert OX0081B
Recs 3/20/15
exp 4/5/22

**Catalog No:** M-1668A-2-0.01X
**Description:** PCB Congener Mix 2
**Lot:** 212031457
**Solvent:** Isooctane
**Hazards:** **HIGHLY FLAMMABLE** - *Refer to SDS for safety info*



Danger 2

**Date Certified:** Apr 5, 2012
**Expiration:** Apr 5, 2022
**Sample Size:** 1 mL
**Components:** 54
**Storage Condition:** Ambient

opened 4/9/15

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2,4-Dichlorobiphenyl | 33284-50-3 | 99.9 | 2.500 | 2.498 |
| 2,3-Dichlorobiphenyl | 16605-91-7 | 98.7 | 2.500 | 2.468 |
| 3,4-Dichlorobiphenyl | 2974-92-7 | 100.0 | 2.510 | 2.510 |
| 2,2',5-Trichlorobiphenyl | 37680-65-2 | 99.5 | 2.500 | 2.488 |
| 2,3,6-Trichlorobiphenyl | 55702-45-9 | 99.4 | 2.510 | 2.495 |
| 2,3,5-Trichlorobiphenyl | 55720-44-0 | 99.0 | 2.500 | 2.475 |
| 2,4,4'-Trichlorobiphenyl | 7012-37-5 | 99.7 | 2.510 | 2.502 |
| 2,3,4'-Trichlorobiphenyl | 38444-85-8 | 99.0 | 2.510 | 2.485 |
| 3,4',5-Trichlorobiphenyl | 38444-88-1 | 99.6 | 2.510 | 2.500 |
| 2,2',5,6'-Tetrachlorobiphenyl | 41464-41-9 | 99.0 | 5.010 | 4.960 |
| 2,2',4,6'-Tetrachlorobiphenyl | 68194-04-7 | 99.6 | 5.010 | 4.990 |
| 2,3',5',6-Tetrachlorobiphenyl | 74338-23-1 | 99.7 | 5.000 | 4.985 |
| 2,2',4,5-Tetrachlorobiphenyl | 70362-47-9 | 99.9 | 5.010 | 5.005 |
| 2,3,4,6-Tetrachlorobiphenyl | 54230-22-7 | 99.0 | 5.000 | 4.950 |
| 2,3',4',6-Tetrachlorobiphenyl | 41464-46-4 | 100.0 | 5.000 | 5.000 |
| 2,3',4,5'-Tetrachlorobiphenyl | 73575-52-7 | 99.9 | 5.000 | 4.995 |
| 2,3,3',5'-Tetrachlorobiphenyl | 41464-49-7 | 99.0 | 5.010 | 4.960 |
| 2,3,4,5-Tetrachlorobiphenyl | 33284-53-6 | 100.0 | 5.010 | 5.010 |
| 2,3,3',4-Tetrachlorobiphenyl | 74338-24-2 | 99.7 | 5.010 | 4.995 |
| 2,3,4,4'-Tetrachlorobiphenyl | 33025-41-1 | 99.0 | 5.000 | 4.950 |
| 2,2',3,5,6'-Pentachlorobiphenyl | 73575-55-0 | 100.0 | 5.000 | 5.000 |
| 2,2',4,4',6-Pentachlorobiphenyl | 39485-83-1 | 99.3 | 5.000 | 4.965 |
| 2,2',3,4',6-Pentachlorobiphenyl | 68194-05-8 | 99.0 | 5.010 | 4.960 |
| 2,3',4,5',6-Pentachlorobiphenyl | 56558-18-0 | 99.5 | 5.000 | 4.975 |
| 2,2',3,4',5-Pentachlorobiphenyl | 68194-07-0 | 99.4 | 5.000 | 4.970 |
| 2,2',4,4',5-Pentachlorobiphenyl | 38380-01-7 | 99.6 | 5.000 | 4.980 |
| 2,3,3',4,6-Pentachlorobiphenyl | 74472-35-8 | 100.0 | 5.000 | 5.000 |
| 2,3,4',5,6-Pentachlorobiphenyl | 68194-11-6 | 99.0 | 5.000 | 4.950 |
| 2,3,3',5,5'-Pentachlorobiphenyl | 39635-32-0 | 100.0 | 5.010 | 5.010 |
| 2,3,3',4,5'-Pentachlorobiphenyl | 70362-41-3 | 100.0 | 5.010 | 5.010 |
| 2,3',4,4',5-Pentachlorobiphenyl | 31508-00-6 | 99.8 | 5.000 | 4.990 |
| 2,3,4,4',5-Pentachlorobiphenyl | 74472-37-0 | 99.0 | 5.010 | 4.960 |
| 2,2',3,4',6,6'-Hexachlorobiphenyl | 68194-08-1 | 99.6 | 5.000 | 4.980 |
| 2,2',3,4,6,6'-Hexachlorobiphenyl | 74472-40-5 | 99.5 | 5.000 | 4.975 |
| 2,2',3,3',5,6'-Hexachlorobiphenyl | 52744-13-5 | 98.8 | 5.010 | 4.950 |
| 2,2',3,4',5',6-Hexachlorobiphenyl | 38380-04-0 | 99.5 | 5.010 | 4.985 |
| 2,2',3,4,4',6-Hexachlorobiphenyl | 56030-56-9 | 99.4 | 5.000 | 4.970 |
| 2,2',3,3',4,6'-Hexachlorobiphenyl | 38380-05-1 | 99.9 | 5.010 | 5.005 |
| 2,3,3',5,5',6-Hexachlorobiphenyl | 74472-46-1 | 99.0 | 5.000 | 4.950 |
| 2,3',4,4',5',6-Hexachlorobiphenyl | 59291-65-5 | 98.8 | 5.010 | 4.950 |
| 2,2',3,4,4',5-Hexachlorobiphenyl | 35694-06-5 | 99.7 | 5.000 | 4.985 |
| 2,3,3',4,5,6-Hexachlorobiphenyl | 41411-62-5 | 99.7 | 5.010 | 4.995 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl | 38380-07-3 | 99.7 | 5.000 | 4.985 |
| 2,3,3',4',5,5'-Hexachlorobiphenyl | 39635-34-2 | 100.0 | 5.000 | 5.000 |
| 2,3,3',4,4',5'-Hexachlorobiphenyl | 69782-90-7 | 99.0 | 5.000 | 4.950 |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl | 74472-48-3 | 99.0 | 5.000 | 4.950 |



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# CERTIFICATE OF ANALYSIS

**Catalog No:** M-1668A-2-0.01X
**Description:** PCB Congener Mix 2
**Lot:** 212031457
**Solvent:** Isooctane

**Date Certified:** Apr 5, 2012
**Expiration:** Apr 5, 2022
**Sample Size:** 1 mL
**Components:** 54

| Component - *continued* | CAS # | Purity % (GC/MS) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl | 74472-49-4 | 99.8 | 5.010 | 5.000 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl | 52663-68-0 | 99.0 | 5.000 | 4.950 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl | 52712-05-7 | 100.0 | 5.010 | 5.010 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl | 74472-47-2 | 100.0 | 5.000 | 5.000 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl | 74472-51-8 | 99.1 | 5.010 | 4.965 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl | 33091-17-7 | 100.0 | 7.510 | 7.510 |
| 2,2',3,3',4,5,5',6'-Octachlorobiphenyl | 52663-75-9 | 100.0 | 7.500 | 7.500 |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl | 52663-76-0 | 100.0 | 7.510 | 7.510 |

[1] All weights are traceable through NIST, Test No. 822-275872-11

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

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# CERTIFICATE OF ANALYSIS

Cert 0X0081C
Recd 3/20/15
exp 10/4/23
opened 4/9/15

**Catalog No:** M-1668A-3-0.01X
**Description:** PCB Congener Mix 3
**Lot:** 213091387
**Solvent:** Isooctane
**Hazards:** **HIGHLY FLAMMABLE** - *Refer to SDS for safety info*

Danger 2

**Date Certified:** Oct 1, 2013
**Expiration:** Oct 1, 2023
**Sample Size:** 1 mL
**Components:** 29
**Storage Condition:** Ambient

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

| Component | CAS # | Purity % (GC/FID) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 3,4'-Dichlorobiphenyl | 2974-90-5 | 99.0 | 2.500 | 2.475 |
| 2,2',4-Trichlorobiphenyl | 37680-66-3 | 99.0 | 2 500 | 2.475 |
| 2,4,5-Trichlorobiphenyl | 15862-07-4 | 99.0 | 2 510 | 2.485 |
| 2,3,3'-Trichlorobiphenyl | 38444-84-7 | 99.0 | 2 500 | 2.475 |
| 2,2',3,6'-Tetrachlorobiphenyl | 41464-47-5 | 99.4 | 5 010 | 4.980 |
| 2,3,5,6-Tetrachlorobiphenyl | 33284-54-7 | 100.0 | 5.010 | 5.010 |
| 2,3,3',6-Tetrachlorobiphenyl | 74472-33-6 | 98.5 | 5.010 | 4.935 |
| 2,2',3,3'-Tetrachlorobiphenyl | 38444-93-8 | 99.1 | 5 010 | 4.965 |
| 2,3',4,5-Tetrachlorobiphenyl | 73557-53-8 | 100 0 | 5.000 | 5.000 |
| 2',3,4,5-Tetrachlorobiphenyl | 70362-48-0 | 99.0 | 5.010 | 4.960 |
| 3,3',5,5'-Tetrachlorobiphenyl | 33284-52-5 | 99.0 | 5.000 | 4.950 |
| 2,2',3,5,6-Pentachlorobiphenyl | 73575-56-1 | 99 8 | 5.010 | 5.000 |
| 2,2',3,3',6-Pentachlorobiphenyl | 52663-60-2 | 100 0 | 5.010 | 5.010 |
| 2,2',4,5,5'-Pentachlorobiphenyl | 37680-73-2 | 99 7 | 5.000 | 4.985 |
| 2,3,3',5,6-Pentachlorobiphenyl | 74472-36-9 | 99.8 | 5.010 | 5.000 |
| 2,2',3,4,5-Pentachlorobiphenyl | 55312-69-1 | 99.5 | 5.000 | 4.975 |
| 2,3,4,5,6-Pentachlorobiphenyl | 18259-05-7 | 99.0 | 5.000 | 4.950 |
| 2,3,3',4',5-Pentachlorobiphenyl | 70424-68-9 | 100.0 | 5.000 | 5.000 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl | 60145-22-4 | 99.4 | 5.000 | 4.970 |
| 2,2',3,4',5,6-Hexachlorobiphenyl | 68194-13-8 | 99.7 | 5.000 | 4.985 |
| 2,2',3,4,4',6'-Hexachlorobiphenyl | 59291-64-4 | 99.6 | 5.010 | 4.990 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl | 51908-16-8 | 98.9 | 5.000 | 4.945 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl | 52712-04-6 | 99.0 | 5.010 | 4.960 |
| 2,3,3',4',5',6-Hexachlorobiphenyl | 74472-45-0 | 99.7 | 5.000 | 4.985 |
| 2,3,3',4,4',6-Hexachlorobiphenyl | 74472-42-7 | 100.0 | 5.000 | 5.000 |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl | 60145-23-5 | 99.4 | 5.010 | 4.980 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl | 38411-25-5 | 100.0 | 5.010 | 5.010 |
| 2,2',3,3',4,5,6-Heptachlorobiphenyl | 68194-16-1 | 100.0 | 5.010 | 5.010 |
| 2,3,3',4',5,5',6-Heptachlorobiphenyl | 69782-91-8 | 99.8 | 5.000 | 4.990 |

[1] All weights are traceable through NIST Test No 822-275872-11

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level

A product with a suffix (-1A, -2B, etc or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

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# CERTIFICATE OF ANALYSIS

Cert PX0094

**Catalog No:** M-1668A-4-0.01X
**Description:** PCB Congener Mix 4
**Lot:** 217011245
**Solvent:** Isooctane
**Hazards:** *Refer to SDS for complete safety information*

**Signal Word: Danger**

**Date Certified:** Jan 23, 2017
**Expiration:** Jan 23, 2027
**Sample Size:** 1 mL
**Components:** 15
**Storage Condition:** Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2,3',4-Trichlorobiphenyl | 55712-37-3 | 100.0 | 2 507 | 2.507 |
| 2,3,4-Trichlorobiphenyl | 55702-46-0 | 99.0 | 2 500 | 2.475 |
| 2,3',4,6-Tetrachlorobiphenyl | 60233-24-1 | 99.9 | 5.002 | 4.997 |
| 2,2',4,4'-Tetrachlorobiphenyl | 2437-79-8 | 100.0 | 5.008 | 5.008 |
| 2,2',3,4'-Tetrachlorobiphenyl | 36559-22-5 | 99.4 | 5 000 | 4.970 |
| 2,3,4',6-Tetrachlorobiphenyl | 52663-58-8 | 99.0 | 5.001 | 4.951 |
| 2,3',4',5-Tetrachlorobiphenyl | 32598-11-1 | 99.0 | 5.003 | 4.953 |
| 2,2',4,5,6'-Pentachlorobiphenyl | 68194-06-9 | 99 3 | 5.010 | 4.975 |
| 2,2',3',4,5-Pentachlorobiphenyl | 41464-51-1 | 99.0 | 5.001 | 4.951 |
| 2,3,4,4',6-Pentachlorobiphenyl | 74472-38-1 | 99 5 | 5.000 | 4.975 |
| 2',3,4,4',5-Pentachlorobiphenyl | 65510-44-3 | 99.8 | 5.000 | 4.990 |
| 2,2',3,3',5,6-Hexachlorobiphenyl | 52704-70-8 | 99 3 | 5.005 | 4.970 |
| 2,2',3,3',4,6-Hexachlorobiphenyl | 61798-70-7 | 100 0 | 5.002 | 5.002 |
| 2,3,3',4',5,6-Hexachlorobiphenyl | 74472-44-9 | 99.0 | 5.003 | 4.953 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl | 35065-29-3 | 100.0 | 5.000 | 5.000 |

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] All weights are traceable through NIST, Test No. 822-275872-11

[2] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. This value is the expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

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# CERTIFICATE OF ANALYSIS

Cert DX008LE
Recd 3/20/15
exp 10/10/21
opened 4/9/15

**Catalog No:** M-1668A-5-0.01X
**Description:** PCB Congener Mix 5
**Lot:** 211101041
**Solvent:** Isooctane
**Hazards:** **HIGHLY FLAMMABLE** - *Refer to SDS for safety info*

Danger 2

**Date Certified:** Oct 10, 2011
**Expiration:** Oct 10, 2021
**Sample Size:** 1 mL
**Components:** 28
**Storage Condition:** Ambient

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[1] (µg/mL) | Certified Analyte Concentration[2] (µg/mL) |
|---|---|---|---|---|
| 2-Chlorobiphenyl | 2051-60-7 | 99.6 | 2.510 | 2.500 |
| 4-Chlorobiphenyl | 2051-62-9 | 98.8 | 2.500 | 2.470 |
| 2,2'-Dichlorobiphenyl | 13029-08-8 | 100.0 | 2.510 | 2.510 |
| 4,4'-Dichlorobiphenyl | 2050-68-2 | 100.0 | 2.510 | 2.510 |
| 2,2',6-Trichlorobiphenyl | 38444-73-4 | 99.6 | 2.500 | 2.490 |
| 2,2',3-Trichlorobiphenyl | 38444-78-9 | 99.4 | 2.510 | 2.495 |
| 3,4,4'-Trichlorobiphenyl | 38444-90-5 | 99.7 | 2.500 | 2.493 |
| 2,2',6,6'-Tetrachlorobiphenyl | 15968-05-5 | 99.4 | 5.000 | 4.970 |
| 2,2',3,5-Tetrachlorobiphenyl | 70362-46-8 | 99.9 | 5.010 | 5.005 |
| 2,2',3,5'-Tetrachlorobiphenyl | 41464-39-5 | 99.0 | 5.010 | 4.960 |
| 2,4,4',5-Tetrachlorobiphenyl | 32690-93-0 | 100.0 | 5.000 | 5.000 |
| 2,3,3',4'-Tetrachlorobiphenyl | 41464-43-1 | 99.0 | 5.010 | 4.960 |
| 3,3',4,4'-Tetrachlorobiphenyl | 32598-13-3 | 100.0 | 5.010 | 5.010 |
| 2,2',4,6,6'-Pentachlorobiphenyl | 56558-16-8 | 99.1 | 5.000 | 4.955 |
| 2,2',3',4,6-Pentachlorobiphenyl | 60233-25-2 | 99.3 | 5.010 | 4.975 |
| 2',3,4,5,6'-Pentachlorobiphenyl | 74472-39-2 | 99.7 | 5.000 | 4.985 |
| 2,3,3',4',6-Pentachlorobiphenyl | 38380-03-9 | 99.5 | 5.000 | 4.975 |
| 3,3',4,4',5-Pentachlorobiphenyl | 57465-28-8 | 100.0 | 5.000 | 5.000 |
| 2,2',4,4',6,6'-Hexachlorobiphenyl | 33979-03-2 | 99.3 | 5.000 | 4.965 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl | 35065-28-2 | 99.8 | 5.010 | 5.000 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl | 32774-16-6 | 100.0 | 5.000 | 5.000 |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl | 74487-85-7 | 99.0 | 5.010 | 4.960 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl | 39635-31-9 | 100.0 | 5.010 | 5.010 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl | 2136-99-4 | 98.0 | 7.510 | 7.360 |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl | 74472-53-0 | 99.6 | 7.500 | 7.470 |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl | 52663-77-1 | 99.8 | 7.510 | 7.495 |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl | 40186-72-9 | 99.0 | 7.500 | 7.425 |
| Decachlorobiphenyl | 2051-24-3 | 99.7 | 7.510 | 7.487 |

[1] All weights are traceable through NIST, Test No 822-275872-11

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane
**Hazards:** *Refer to SDS for complete safety information*

**Signal Word: Danger**

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209
**Storage Condition:** Ambient (>5 °C)

**Certified Reference Material**

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1339
ilac-MRA

| Component | CAS # | Purity % (GC/MS) | Prepared Concentration[2] (µg/mL) | Certified Analyte Concentration[1] (µg/mL) |
|---|---|---|---|---|
| 2-Chlorobiphenyl | 2051-60-7 | 99.2 | 4.012 | 3.980 |
| 3-Chlorobiphenyl | 2051-61-8 | 99.0 | 4.000 | 3.960 |
| 4-Chlorobiphenyl | 2051-62-9 | 98.8 | 4.000 | 3.952 |
| 2,2'-Dichlorobiphenyl | 13029-08-8 | 100.0 | 4.020 | 4.020 |
| 2,3-Dichlorobiphenyl | 16605-91-7 | 99.4 | 4.004 | 3.980 |
| 2,3'-Dichlorobiphenyl | 25569-80-6 | 99.0 | 4.012 | 3.972 |
| 2,4-Dichlorobiphenyl | 33284-50-3 | 99.9 | 4.024 | 4.020 |
| 2,4'-Dichlorobiphenyl | 34883-43-7 | 99.4 | 4.008 | 3.984 |
| 2,5-Dichlorobiphenyl | 34883-39-1 | 99.0 | 4.016 | 3.976 |
| 2,6-Dichlorobiphenyl | 33146-45-1 | 100.0 | 4.012 | 4.012 |
| 3,3'-Dichlorobiphenyl | 2050-67-1 | 99.2 | 4.004 | 3.972 |
| 3,4-Dichlorobiphenyl | 2974-92-7 | 100.0 | 4.004 | 4.004 |
| 3,4'-Dichlorobiphenyl | 2974-90-5 | 99.0 | 4.008 | 3.968 |
| 3,5-Dichlorobiphenyl | 34883-41-5 | 99.9 | 4.036 | 4.032 |
| 4,4'-Dichlorobiphenyl | 2050-68-2 | 100.0 | 4.004 | 4.004 |
| 2,2',3-Trichlorobiphenyl | 38444-78-9 | 99.7 | 4.044 | 4.032 |
| 2,2',4-Trichlorobiphenyl | 37680-66-3 | 99.9 | 4.012 | 4.008 |
| 2,2',5-Trichlorobiphenyl | 37680-65-2 | 100.0 | 4.020 | 4.020 |
| 2,2',6-Trichlorobiphenyl | 38444-73-4 | 99.6 | 4.028 | 4.012 |
| 2,3,3'-Trichlorobiphenyl | 38444-84-7 | 99.0 | 4.036 | 3.996 |
| 2,3,4-Trichlorobiphenyl | 55702-46-0 | 99.0 | 4.008 | 3.968 |
| 2,3,4'-Trichlorobiphenyl | 38444-85-8 | 99.0 | 4.028 | 3.988 |
| 2,3,5-Trichlorobiphenyl | 55720-44-0 | 99.0 | 4.004 | 3.964 |
| 2,3,6-Trichlorobiphenyl | 55702-45-9 | 99.4 | 4.020 | 3.996 |
| 2,3',4-Trichlorobiphenyl | 55712-37-3 | 100.0 | 4.000 | 4.000 |
| 2,3',5-Trichlorobiphenyl | 38444-81-4 | 99.0 | 4.024 | 3.984 |
| 2,3',6-Trichlorobiphenyl | 38444-76-7 | 99.1 | 4.024 | 3.988 |
| 2,4,4'-Trichlorobiphenyl | 7012-37-5 | 100.0 | 4.000 | 4.000 |
| 2,4,5-Trichlorobiphenyl | 15862-07-4 | 99.0 | 4.036 | 3.996 |
| 2,4,6-Trichlorobiphenyl | 35693-92-6 | 100.0 | 4.024 | 4.024 |
| 2,4',5-Trichlorobiphenyl | 16606-02-3 | 100.0 | 4.020 | 4.020 |
| 2,4',6-Trichlorobiphenyl | 38444-77-8 | 99.0 | 4.024 | 3.984 |
| 2',3,4-Trichlorobiphenyl | 38444-86-9 | 99.0 | 4.036 | 3.996 |
| 2',3,5-Trichlorobiphenyl | 37680-68-5 | 99.0 | 4.000 | 3.960 |
| 3,3'-4-Trichlorobiphenyl | 37680-69-6 | 100.0 | 4.004 | 4.004 |
| 3,3',5-Trichlorobiphenyl | 38444-87-0 | 99.6 | 4.004 | 3.988 |
| 3,4,4'-Trichlorobiphenyl | 38444-90-5 | 99.7 | 4.004 | 3.992 |
| 3,4,5-Trichlorobiphenyl | 53555-66-1 | 99.0 | 4.008 | 3.968 |
| 3,4',5-Trichlorobiphenyl | 38444-88-1 | 99.6 | 4.024 | 4.008 |
| 2,2',3,3'-Tetrachlorobiphenyl | 38444-93-8 | 99.1 | 4.016 | 3.980 |
| 2,2',3,4-Tetrachlorobiphenyl | 52663-59-9 | 99.3 | 4.016 | 3.988 |
| 2,2',3,4'-Tetrachlorobiphenyl | 36559-22-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,5-Tetrachlorobiphenyl | 70362-46-8 | 99.9 | 4.012 | 4.008 |
| 2,2',3,5'-Tetrachlorobiphenyl | 41464-39-5 | 99.0 | 4.004 | 3.964 |



*For use in routine laboratory analysis.*

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,6-Tetrachlorobiphenyl | 70362-45-7 | 99.9 | 4.012 | 4.008 |
| 2,2',3,6'-Tetrachlorobiphenyl | 41464-47-5 | 99.4 | 4.004 | 3.980 |
| 2,2',4,4'-Tetrachlorobiphenyl | 2437-79-8 | 99.0 | 4.012 | 3.972 |
| 2,2',4,5-Tetrachlorobiphenyl | 70362-47-9 | 99.9 | 4.008 | 4.004 |
| 2,2',4,5'-Tetrachlorobiphenyl | 41464-40-8 | 99.0 | 4.016 | 3.976 |
| 2,2',4,6-Tetrachlorobiphenyl | 62796-65-0 | 100.0 | 4.004 | 4.004 |
| 2,2',4,6'-Tetrachlorobiphenyl | 68194-04-7 | 99.6 | 4.012 | 3.996 |
| 2,2',5,5'-Tetrachlorobiphenyl | 35693-99-3 | 99.0 | 4.008 | 3.968 |
| 2,2',5,6'-Tetrachlorobiphenyl | 41464-41-9 | 99.0 | 4.004 | 3.964 |
| 2,2',6,6'-Tetrachlorobiphenyl | 15968-05-5 | 99.4 | 4.028 | 4.004 |
| 2,3,3',4-Tetrachlorobiphenyl | 74338-24-2 | 99.7 | 4.016 | 4.004 |
| 2,3,3',4'-Tetrachlorobiphenyl | 41464-43-1 | 99.6 | 4.036 | 4.020 |
| 2,3,3',5-Tetrachlorobiphenyl | 70424-67-8 | 100.0 | 4.008 | 4.008 |
| 2,3,3',5'-Tetrachlorobiphenyl | 41464-49-7 | 99.0 | 4.028 | 3.988 |
| 2,3,3',6-Tetrachlorobiphenyl | 74472-33-6 | 98.5 | 4.012 | 3.952 |
| 2,3,4,4'-Tetrachlorobiphenyl | 33025-41-1 | 99.0 | 4.008 | 3.968 |
| 2,3,4,5-Tetrachlorobiphenyl | 33284-53-6 | 99.0 | 4.004 | 3.964 |
| 2,3,4,6-Tetrachlorobiphenyl | 54230-22-7 | 99.0 | 4.008 | 3.968 |
| 2,3,4',5-Tetrachlorobiphenyl | 74472-34-7 | 100.0 | 4.016 | 4.016 |
| 2,3,4',6-Tetrachlorobiphenyl | 52663-58-8 | 99.7 | 4.032 | 4.020 |
| 2,3,5,6-Tetrachlorobiphenyl | 33284-54-7 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4'-Tetrachlorobiphenyl | 32598-10-0 | 100.0 | 4.000 | 4.000 |
| 2,3',4,5-Tetrachlorobiphenyl | 73575-53-8 | 100.0 | 4.036 | 4.036 |
| 2,3',4,5'-Tetrachlorobiphenyl | 73575-52-7 | 99.9 | 4.004 | 4.000 |
| 2,3',4,6-Tetrachlorobiphenyl | 60233-24-1 | 99.9 | 4.024 | 4.020 |
| 2,3',4',5-Tetrachlorobiphenyl | 32598-11-1 | 99.0 | 4.000 | 3.960 |
| 2,3',4',6-Tetrachlorobiphenyl | 41464-46-4 | 100.0 | 4.016 | 4.016 |
| 2,3',5,5'-Tetrachlorobiphenyl | 41464-42-0 | 99.0 | 4.004 | 3.964 |
| 2,3',5',6-Tetrachlorobiphenyl | 74338-23-1 | 99.7 | 4.016 | 4.004 |
| 2,4,4',5-Tetrachlorobiphenyl | 32690-93-0 | 100.0 | 4.020 | 4.020 |
| 2,4,4',6-Tetrachlorobiphenyl | 32598-12-2 | 99.5 | 4.000 | 3.980 |
| 2',3,4,5-Tetrachlorobiphenyl | 70362-48-0 | 99.0 | 4.028 | 3.988 |
| 3,3',4,4'-Tetrachlorobiphenyl | 32598-13-3 | 99.0 | 4.000 | 3.960 |
| 3,3',4,5-Tetrachlorobiphenyl | 70362-49-1 | 99.0 | 4.024 | 3.984 |
| 3,3',4,5'-Tetrachlorobiphenyl | 41464-48-6 | 99.9 | 4.008 | 4.004 |
| 3,3',5,5'-Tetrachlorobiphenyl | 33284-52-5 | 99.0 | 4.028 | 3.988 |
| 3,4,4',5-Tetrachlorobiphenyl | 70362-50-4 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4-Pentachlorobiphenyl | 52663-62-4 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',5-Pentachlorobiphenyl | 60145-20-2 | 100.0 | 4.012 | 4.012 |
| 2,2',3,3',6-Pentachlorobiphenyl | 52663-60-2 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,4'-Pentachlorobiphenyl | 65510-45-4 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5-Pentachlorobiphenyl | 55312-69-1 | 100.0 | 4.008 | 4.008 |
| 2,2',3,4,5'-Pentachlorobiphenyl | 38380-02-8 | 99.5 | 4.020 | 4.000 |
| 2,2',3,4,6-Pentachlorobiphenyl | 55215-17-3 | 99.6 | 4.008 | 3.992 |
| 2,2',3,4,6'-Pentachlorobiphenyl | 73575-57-2 | 99.9 | 4.004 | 4.000 |
| 2,2',3,4',5-Pentachlorobiphenyl | 68194-07-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',6-Pentachlorobiphenyl | 68194-05-8 | 99.6 | 4.036 | 4.020 |
| 2,2',3,5,5'-Pentachlorobiphenyl | 52663-61-3 | 99.7 | 4.016 | 4.004 |
| 2,2',3,5,6-Pentachlorobiphenyl | 73575-56-1 | 99.8 | 4.028 | 4.020 |
| 2,2',3,5,6'-Pentachlorobiphenyl | 73575-55-0 | 100.0 | 4.016 | 4.016 |
| 2,2',3,5',6-Pentachlorobiphenyl | 38379-99-6 | 100.0 | 4.012 | 4.012 |
| 2,2',3,6,6'-Pentachlorobiphenyl | 73575-54-9 | 99.2 | 4.004 | 3.972 |
| 2,2',3',4,5-Pentachlorobiphenyl | 41464-51-1 | 99.0 | 4.020 | 3.980 |



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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3',4,6-Pentachlorobiphenyl | 60233-25-2 | 99.3 | 4.024 | 3.996 |
| 2,2',4,4',5-Pentachlorobiphenyl | 38380-01-7 | 99.6 | 4.036 | 4.020 |
| 2,2',4,4',6-Pentachlorobiphenyl | 39485-83-1 | 99.9 | 4.012 | 4.008 |
| 2,2',4,5,5'-Pentachlorobiphenyl | 37680-73-2 | 99.0 | 4.008 | 3.968 |
| 2,2',4,5,6'-Pentachlorobiphenyl | 68194-06-9 | 99.3 | 4.000 | 3.972 |
| 2,2',4,5',6-Pentachlorobiphenyl | 60145-21-3 | 100.0 | 4.024 | 4.024 |
| 2,2',4,6,6'-Pentachlorobiphenyl | 56558-16-8 | 99.0 | 4.008 | 3.968 |
| 2,3,3',4,4'-Pentachlorobiphenyl | 32598-14-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,5-Pentachlorobiphenyl | 70424-69-0 | 99.6 | 4.008 | 3.992 |
| 2,3,3',4',5-Pentachlorobiphenyl | 70424-68-9 | 100.0 | 4.008 | 4.008 |
| 2,3,3',4,5'-Pentachlorobiphenyl | 70362-41-3 | 100.0 | 4.012 | 4.012 |
| 2,3,3',4,6-Pentachlorobiphenyl | 74472-35-8 | 100.0 | 4.024 | 4.024 |
| 2,3,3',4',6-Pentachlorobiphenyl | 38380-03-9 | 99.5 | 4.054 | 4.034 |
| 2,3,3',5,5'-Pentachlorobiphenyl | 39635-32-0 | 100.0 | 4.024 | 4.024 |
| 2,3,3',5,6-Pentachlorobiphenyl | 74472-36-9 | 99.8 | 4.032 | 4.024 |
| 2,3,3',5',6-Pentachlorobiphenyl | 68194-10-5 | 98.9 | 4.012 | 3.968 |
| 2,3,4,4',5-Pentachlorobiphenyl | 74472-37-0 | 99.0 | 4.020 | 3.980 |
| 2,3,4,4',6-Pentachlorobiphenyl | 74472-38-1 | 99.5 | 4.020 | 4.000 |
| 2,3,4,5,6-Pentachlorobiphenyl | 18259-05-7 | 99.0 | 4.020 | 3.980 |
| 2,3,4',5,6-Pentachlorobiphenyl | 68194-11-6 | 99.0 | 4.024 | 3.984 |
| 2,3',4,4',5-Pentachlorobiphenyl | 31508-00-6 | 100.0 | 4.008 | 4.008 |
| 2,3',4,4',6-Pentachlorobiphenyl | 56558-17-9 | 100.0 | 4.028 | 4.028 |
| 2,3',4,5,5'-Pentachlorobiphenyl | 68194-12-7 | 99.7 | 4.020 | 4.008 |
| 2,3',4,5',6-Pentachlorobiphenyl | 56558-18-0 | 99.2 | 4.016 | 3.984 |
| 2',3,3',4,5-Pentachlorobiphenyl | 76842-07-4 | 99.4 | 4.024 | 4.000 |
| 2',3,4,4',5-Pentachlorobiphenyl | 65510-44-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,5'-Pentachlorobiphenyl | 70424-70-3 | 99.0 | 4.004 | 3.964 |
| 2',3,4,5,6'-Pentachlorobiphenyl | 74472-39-2 | 99.1 | 4.008 | 3.972 |
| 3,3',4,4',5-Pentachlorobiphenyl | 57465-28-8 | 99.0 | 4.008 | 3.968 |
| 3,3',4,5,5'-Pentachlorobiphenyl | 39635-33-1 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,4'-Hexachlorobiphenyl | 38380-07-3 | 99.7 | 4.024 | 4.012 |
| 2,2',3,3',4,5-Hexachlorobiphenyl | 55215-18-4 | 99.3 | 4.016 | 3.988 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl | 52663-66-8 | 99.3 | 4.020 | 3.992 |
| 2,2',3,3',4,6-Hexachlorobiphenyl | 61798-70-7 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,6'-Hexachlorobiphenyl | 38380-05-1 | 99.0 | 4.024 | 3.984 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl | 35694-04-3 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',5,6-Hexachlorobiphenyl | 52704-70-8 | 99.3 | 4.036 | 4.008 |
| 2,2',3,3',5,6'-Hexachlorobiphenyl | 52744-13-5 | 98.8 | 4.020 | 3.972 |
| 2,2',3,3',6,6'-Hexachlorobiphenyl | 38411-22-2 | 99.9 | 4.000 | 3.996 |
| 2,2',3,4,4',5-Hexachlorobiphenyl | 35694-06-5 | 99.0 | 4.032 | 3.992 |
| 2,2',3,4,4',5'-Hexachlorobiphenyl | 35065-28-2 | 99.8 | 4.036 | 4.028 |
| 2,2',3,4,4',6-Hexachlorobiphenyl | 56030-56-9 | 99.4 | 4.004 | 3.980 |
| 2,2',3,4,4',6'-Hexachlorobiphenyl | 59291-64-4 | 99.6 | 4.012 | 3.996 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl | 52712-04-6 | 99.0 | 4.016 | 3.976 |
| 2,2',3,4,5,6-Hexachlorobiphenyl | 41411-61-4 | 99.0 | 4.012 | 3.972 |
| 2,2',3,4,5,6'-Hexachlorobiphenyl | 68194-15-0 | 99.0 | 4.008 | 3.968 |
| 2,2',3,4,5',6-Hexachlorobiphenyl | 68194-14-9 | 100.0 | 4.004 | 4.004 |
| 2,2',3,4,6,6'-Hexachlorobiphenyl | 74472-40-5 | 100.0 | 4.012 | 4.012 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl | 51908-16-8 | 98.9 | 4.012 | 3.968 |
| 2,2',3,4',5,6-Hexachlorobiphenyl | 68194-13-8 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl | 74472-41-6 | 99.5 | 4.004 | 3.984 |
| 2,2',3,4',5',6-Hexachlorobiphenyl | 38380-04-0 | 99.2 | 4.012 | 3.980 |
| 2,2',3,4',6,6'-Hexachlorobiphenyl | 68194-08-1 | 99.0 | 4.016 | 3.976 |



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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,5,5',6-Hexachlorobiphenyl | 52663-63-5 | 100.0 | 4.004 | 4.004 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl | 68194-09-2 | 100.0 | 4.016 | 4.016 |
| 2,2',4,4',5,5'-Hexachlorobiphenyl | 35065-27-1 | 99.6 | 4.004 | 3.988 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl | 60145-22-4 | 99.4 | 4.000 | 3.976 |
| 2,2',4,4',6,6'-Hexachlorobiphenyl | 33979-03-2 | 99.3 | 4.004 | 3.976 |
| 2,3,3',4,4',5-Hexachlorobiphenyl | 38380-08-4 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5'-Hexachlorobiphenyl | 69782-90-7 | 99.0 | 4.032 | 3.992 |
| 2,3,3',4,4',6-Hexachlorobiphenyl | 74472-42-7 | 100.0 | 4.000 | 4.000 |
| 2,3,3',4,5,5'-Hexachlorobiphenyl | 39635-35-3 | 100.0 | 4.008 | 4.008 |
| 2,3,3'4,5,6-Hexachlorobiphenyl | 41411-62-5 | 100.0 | 4.012 | 4.012 |
| 2,3,3',4,5',6-Hexachlorobiphenyl | 74472-43-8 | 98.8 | 4.004 | 3.956 |
| 2,3,3',4',5,5'-Hexachlorobiphenyl | 39635-34-2 | 100.0 | 4.016 | 4.016 |
| 2,3,3',4',5,6-Hexachlorobiphenyl | 74472-44-9 | 99.0 | 4.004 | 3.964 |
| 2,3,3',4',5',6-Hexachlorobiphenyl | 74472-45-0 | 99.7 | 4.000 | 3.988 |
| 2,3,3',5,5',6-Hexachlorobiphenyl | 74472-46-1 | 99.0 | 4.000 | 3.960 |
| 2,3,4,4',5,6-Hexachlorobiphenyl | 41411-63-6 | 99.0 | 4.016 | 3.976 |
| 2,3',4,4',5,5'-Hexachlorobiphenyl | 52663-72-6 | 99.0 | 4.004 | 3.964 |
| 2,3',4,4',5',6-Hexachlorobiphenyl | 59291-65-5 | 99.0 | 4.016 | 3.976 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl | 32774-16-6 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl | 35065-30-6 | 99.0 | 4.008 | 3.968 |
| 2,2',3,3',4,4',6-Heptachlorobiphenyl | 52663-71-5 | 100.0 | 4.020 | 4.020 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl | 52663-74-8 | 99.7 | 4.008 | 3.996 |
| 2,2',3,3',4,5,6-Heptachlorobiphenyl | 68194-16-1 | 100.0 | 4.000 | 4.000 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl | 38411-25-5 | 99.4 | 4.012 | 3.988 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl | 40186-70-7 | 99.6 | 4.000 | 3.984 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl | 52663-65-7 | 100.0 | 4.036 | 4.036 |
| 2,2',3,3',4',5,6-Heptachlorobiphenyl | 52663-70-4 | 100.0 | 4.024 | 4.024 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl | 52663-67-9 | 99.4 | 4.020 | 3.996 |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl | 52663-64-6 | 99.6 | 4.024 | 4.008 |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl | 35065-29-3 | 99.7 | 4.008 | 3.996 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl | 74472-47-2 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl | 60145-23-5 | 99.4 | 4.008 | 3.984 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl | 52663-69-1 | 99.5 | 4.024 | 4.004 |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl | 74472-48-3 | 99.0 | 4.000 | 3.960 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl | 52712-05-7 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl | 74472-49-4 | 100.0 | 4.000 | 4.000 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl | 52663-68-0 | 99.4 | 4.000 | 3.976 |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl | 74487-85-7 | 99.0 | 4.040 | 4.000 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl | 39635-31-9 | 99.0 | 4.036 | 3.996 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl | 41411-64-7 | 100.0 | 4.028 | 4.028 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl | 74472-50-7 | 99.5 | 4.024 | 4.004 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl | 74472-51-8 | 99.1 | 4.024 | 3.988 |
| 2,3,3',4',5,5',6-Heptachlorobiphenyl | 69782-91-8 | 100.0 | 4.004 | 4.004 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl | 35694-08-7 | 100.0 | 4.032 | 4.032 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl | 52663-78-2 | 99.8 | 4.008 | 4.000 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl | 42740-50-1 | 99.3 | 4.012 | 3.984 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl | 33091-17-7 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6-Octachlorobiphenyl | 68194-17-2 | 99.2 | 4.016 | 3.984 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl | 52663-73-7 | 100.0 | 4.032 | 4.032 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl | 40186-71-8 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,5,5',6'-Octachlorobiphenyl | 52663-75-9 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl | 2136-99-4 | 98.0 | 4.016 | 3.936 |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl | 52663-76-0 | 100.0 | 4.028 | 4.028 |



*For use in routine laboratory analysis.*

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# CERTIFICATE OF ANALYSIS

**Catalog No:** S-9994-4X
**Description:** Custom PCB Standard - all 209 pcb Congeners
**Lot:** 209091190-01
**Solvent:** Isooctane

**Date Certified:** Jul 17, 2019
**Expiration:** Jul 17, 2029
**Sample Size:** 1 mL
**Components:** 209

| **Component** - *continued* | **CAS #** | **Purity %** (GC/MS) | **Prepared Concentration²** (µg/mL) | **Certified Analyte Concentration¹** (µg/mL) |
|---|---|---|---|---|
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl | 74472-52-9 | 99.9 | 4.012 | 4.008 |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl | 74472-53-0 | 100.0 | 4.012 | 4.012 |
| 2,2',3,3',4,4',5,5',6-Octachlorobiphenyl | 40186-72-9 | 100.0 | 4.008 | 4.008 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl | 52663-79-3 | 99.0 | 4.020 | 3.980 |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl | 52663-77-1 | 99.8 | 4.020 | 4.012 |
| 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl | 2051-24-3 | 99.5 | 4.024 | 4.004 |

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 822/272103-05

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Certified By: _____
Larry Decker, Organic QC Manager

AccuStandard



*For use in routine laboratory analysis.*

**AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015**

QR-ORG/INO-001
Rev. 5/18

# Method 1668A

## Chlorinated Biphenyl Congeners (HRGC/HRMS) by Method 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Solid  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB1L # | PCB3L # | PCB4L # | PCB19L # | PCB15L # | PCB54L # | PCB28L # | PCB104L # |
|---|---|---|---|---|---|---|---|---|---|
| J5-SC1b-20to30-82719 | 580-88908-26 | 39 | 53 | 54 | 64 | 79 | 65 | 75 | 86 |
| J5-SC1b-20to30-82719 RE | 580-88908-26 RE | 67 | 73 | 81 | 66 | 92 | 71 | 82 | 101 |
| J5-SC1b-30to40-82719 | 580-88908-27 | 45 q | 56 | 60 | 65 | 84 | 64 | 76 | 80 |
| J5-SC1b-30to40-82719 RE | 580-88908-27 RE | 61 | 66 | 68 | 72 | 77 | 72 | 77 | 92 |
| J5-SC1b-40to50-82719 | 580-88908-28 | 83 | 89 | 77 | 77 | 82 | 101 | 78 | 89 |
| J5-SC1b-40to50-82719 RE | 580-88908-28 RE | 60 | 63 | 64 | 70 | 84 | 68 | 81 | 90 |
| J5-SC1b-50to60-82719 | 580-88908-29 | 54 | 62 | 64 | 77 | 81 | 75 | 79 | 86 |
| J5-SC1b-50to60-82719 RE | 580-88908-29 RE | 64 | 69 | 68 | 73 | 81 | 77 | 80 | 85 |
| J5-SC1b-60to70-82719 | 580-88908-30 | 53 | 58 | 65 | 75 | 77 | 69 | 80 | 83 |
| J5-SC1b-60to70-82719 RE | 580-88908-30 RE | 55 | 58 | 60 | 70 | 86 | 69 | 82 | 88 |
| J5-SC1b-70to80-82719 | 580-88908-31 | 50 | 62 | 64 | 57 q | 83 | 71 | 78 | 86 |
| J5-SC1b-70to80-82719 RE | 580-88908-31 RE | 71 | 72 | 68 | 70 | 67 | 73 | 81 | 94 |
| J5-SC1b-80to90-82719 | 580-88908-32 | 63 | 64 | 69 | 72 | 83 | 70 | 80 | 91 |
| J5-SC1b-80to90-82719 RE | 580-88908-32 RE | 67 | 68 | 69 | 67 | 76 | 64 | 71 | 77 |
| J5-SC1b-90to100-82719 | 580-88908-33 | 55 | 62 | 66 | 73 | 83 | 75 | 76 | 90 |
| J5-SC1b-90to100-82719 RE | 580-88908-33 RE | 66 | 64 | 64 | 64 | 71 | 60 | 71 | 79 |
| J5-SC1b-100to110-82719 | 580-88908-34 | 59 | 69 | 71 | 68 | 78 | 74 | 81 | 90 |
| J5-SC1b-100to110-82719 RE | 580-88908-34 RE | 77 | 72 | 74 | 75 | 77 | 65 | 72 | 75 |
| J5-SC1b-00to10-82719 | 580-88908-35 | 57 | 63 | 70 | 75 | 96 | 73 | 81 | 89 |
| J5-SC1b-00to10-82719 RE | 580-88908-35 RE | 64 | 67 | 74 | 79 | 80 | 80 | 82 | 90 |
| J5-SC1b-10to20-82719 | 580-88908-36 | 58 | 62 | 73 | 71 | 82 | 74 | 79 | 83 |
| J5-SC1b-10to20-82719 RE | 580-88908-36 RE | 64 | 67 | 69 | 73 | 84 | 75 | 79 | 90 |
| | MB 140-33628/12-B | 59 | 66 | 70 | 73 | 77 | 63 | 78 | 93 |
| | MB 140-34150/12-B | 67 | 70 | 66 | 64 | 74 | 63 | 71 | 77 |

| | QC LIMITS |
|---|---|
| PCB1L = PCB-1L | 30-140 |
| PCB3L = PCB-3L | 30-140 |
| PCB4L = PCB-4L | 30-140 |
| PCB19L = PCB-19L | 30-140 |
| PCB15L = PCB-15L | 30-140 |
| PCB54L = PCB-54L | 30-140 |
| PCB28L = PCB-28L | 40-125 |
| PCB104L = PCB-104L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Solid  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB1L # | PCB3L # | PCB4L # | PCB19L # | PCB15L # | PCB54L # | PCB28L # | PCB104L # |
|---|---|---|---|---|---|---|---|---|---|
| | LCS 140-33628/13-B | 59 | 61 | 64 | 64 | 73 | 63 | 77 | 82 |
| | LCS 140-34150/13-B | 77 | 74 | 71 | 71 | 76 | 68 | 74 | 83 |

| | QC LIMITS |
|---|---|
| PCB1L = PCB-1L | 30-140 |
| PCB3L = PCB-3L | 30-140 |
| PCB4L = PCB-4L | 30-140 |
| PCB19L = PCB-19L | 30-140 |
| PCB15L = PCB-15L | 30-140 |
| PCB54L = PCB-54L | 30-140 |
| PCB28L = PCB-28L | 40-125 |
| PCB104L = PCB-104L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): SPB-Octyl ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB37L # | PCB155L # | PCB81L # | PCB77L # | PCB111L # | PCB123L # | PCB118L # | P114L # |
|---|---|---|---|---|---|---|---|---|---|
| J5-SC1b-20to30-82719 | 580-88908-26 | 82 | 93 | 82 | 84 | 86 | 79 | 80 | 77 |
| J5-SC1b-20to30-82719 RE | 580-88908-26 RE | 89 | 102 | 88 | 95 | 106 | 86 | 88 | 85 |
| J5-SC1b-30to40-82719 | 580-88908-27 | 82 | 101 | 86 | 90 | 88 | 79 | 81 | 79 |
| J5-SC1b-30to40-82719 RE | 580-88908-27 RE | 83 | 94 | 77 | 78 | 87 | 86 | 88 | 84 |
| J5-SC1b-40to50-82719 | 580-88908-28 | 87 | 103 | 90 | 93 | 93 | 85 | 85 | 85 |
| J5-SC1b-40to50-82719 RE | 580-88908-28 RE | 91 | 99 | 92 | 95 | 95 | 82 | 84 | 81 |
| J5-SC1b-50to60-82719 | 580-88908-29 | 87 | 103 | 89 | 92 | 93 | 80 | 83 | 80 |
| J5-SC1b-50to60-82719 RE | 580-88908-29 RE | 92 | 100 | 91 | 94 | 91 | 85 | 88 | 86 |
| J5-SC1b-60to70-82719 | 580-88908-30 | 88 | 102 | 85 | 86 | 91 | 77 | 79 | 79 |
| J5-SC1b-60to70-82719 RE | 580-88908-30 RE | 118 | 92 | 89 | 99 | 90 | 85 | 90 | 88 |
| J5-SC1b-70to80-82719 | 580-88908-31 | 90 | 99 | 89 | 95 | 89 | 82 | 82 | 80 |
| J5-SC1b-70to80-82719 RE | 580-88908-31 RE | 91 | 96 | 79 | 85 | 90 | 90 | 90 | 86 |
| J5-SC1b-80to90-82719 | 580-88908-32 | 88 | 102 | 87 | 87 | 91 | 79 | 79 | 81 |
| J5-SC1b-80to90-82719 RE | 580-88908-32 RE | 83 | 87 | 80 | 84 | 88 | 87 | 81 | 79 |
| J5-SC1b-90to100-82719 | 580-88908-33 | 80 | 101 | 80 | 84 | 88 | 79 | 78 | 77 |
| J5-SC1b-90to100-82719 RE | 580-88908-33 RE | 70 | 94 | 82 | 78 | 89 | 112 | 115 | 112 |
| J5-SC1b-100to110-82719 | 580-88908-34 | 87 | 97 | 85 | 90 | 93 | 81 | 85 | 79 |
| J5-SC1b-100to110-82719 RE | 580-88908-34 RE | 77 | 86 | 80 | 84 | 87 | 77 | 81 | 77 |
| J5-SC1b-00to10-82719 | 580-88908-35 | 95 | 107 | 93 | 99 | 98 | 82 | 86 | 80 |
| J5-SC1b-00to10-82719 RE | 580-88908-35 RE | 91 | 102 | 88 | 92 | 94 | 83 | 83 | 81 |
| J5-SC1b-10to20-82719 | 580-88908-36 | 89 | 96 | 85 | 88 | 91 | 80 | 82 | 79 |
| J5-SC1b-10to20-82719 RE | 580-88908-36 RE | 90 | 104 | 86 | 90 | 90 | 87 | 88 | 86 |
| | MB 140-33628/12-B | 75 | 105 | 78 | 83 | 94 | 76 | 79 | 78 |
| | MB 140-34150/12-B | 76 | 87 | 76 | 80 | 85 | 75 | 78 | 75 |

| | QC LIMITS |
|---|---|
| PCB37L = PCB-37L | 30-140 |
| PCB155L = PCB-155L | 30-140 |
| PCB81L = PCB-81L | 30-140 |
| PCB77L = PCB-77L | 30-140 |
| PCB111L = PCB-111L | 40-125 |
| PCB123L = PCB-123L | 30-140 |
| PCB118L = PCB-118L | 30-140 |
| P114L = PCB-114L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Solid  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB37L # | PCB155L # | PCB81L # | PCB77L # | PCB111L # | PCB123L # | PCB118L # | P114L # |
|---|---|---|---|---|---|---|---|---|---|
| | LCS 140-33628/13-B | 76 | 96 | 77 | 79 | 89 | 75 | 74 | 70 |
| | LCS 140-34150/13-B | 78 | 90 | 78 | 82 | 88 | 76 | 78 | 76 |

| | QC LIMITS |
|---|---|
| PCB37L = PCB-37L | 30-140 |
| PCB155L = PCB-155L | 30-140 |
| PCB81L = PCB-81L | 30-140 |
| PCB77L = PCB-77L | 30-140 |
| PCB111L = PCB-111L | 40-125 |
| PCB123L = PCB-123L | 30-140 |
| PCB118L = PCB-118L | 30-140 |
| P114L = PCB-114L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): SPB-Octyl ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB188L # | PCB105L # | PCB178L # | PCB126L # | PCB202L # | PCB167L # | PCB156L # | PCB157L # |
|---|---|---|---|---|---|---|---|---|---|
| J5-SC1b-20to30-82719 | 580-88908-26 | 75 | 78 | 80 | 86 | 82 | 83 | 82 C | 82 C156 |
| J5-SC1b-20to30-82719 RE | 580-88908-26 RE | 83 | 85 | 94 | 97 | 91 | 86 | 85 C | 85 C156 |
| J5-SC1b-30to40-82719 | 580-88908-27 | 85 | 79 | 86 | 87 | 89 | 80 | 80 C | 80 C156 |
| J5-SC1b-30to40-82719 RE | 580-88908-27 RE | 85 | 85 | 86 | 89 | 81 | 77 | 78 C | 78 C156 |
| J5-SC1b-40to50-82719 | 580-88908-28 | 87 | 86 | 95 | 88 | 93 | 81 | 84 C | 84 C156 |
| J5-SC1b-40to50-82719 RE | 580-88908-28 RE | 79 | 84 | 92 | 95 | 95 | 91 | 89 C | 89 C156 |
| J5-SC1b-50to60-82719 | 580-88908-29 | 78 | 82 | 89 | 87 | 93 | 80 | 79 C | 79 C156 |
| J5-SC1b-50to60-82719 RE | 580-88908-29 RE | 84 | 84 | 90 | 95 | 84 | 83 | 83 C | 83 C156 |
| J5-SC1b-60to70-82719 | 580-88908-30 | 82 | 80 | 90 | 85 | 86 | 79 | 76 C | 76 C156 |
| J5-SC1b-60to70-82719 RE | 580-88908-30 RE | 84 | 83 | 95 | 96 | 92 | 85 | 81 C | 81 C156 |
| J5-SC1b-70to80-82719 | 580-88908-31 | 80 | 83 | 87 | 89 | 93 | 83 | 84 C | 84 C156 |
| J5-SC1b-70to80-82719 RE | 580-88908-31 RE | 77 | 88 | 86 | 100 | 83 | 86 | 86 C | 86 C156 |
| J5-SC1b-80to90-82719 | 580-88908-32 | 76 | 81 | 84 | 88 | 89 | 84 | 86 C | 86 C156 |
| J5-SC1b-80to90-82719 RE | 580-88908-32 RE | 83 | 80 | 95 | 87 | 94 | 79 | 79 C | 79 C156 |
| J5-SC1b-90to100-82719 | 580-88908-33 | 82 | 75 | 88 | 83 | 95 | 80 | 81 C | 81 C156 |
| J5-SC1b-90to100-82719 RE | 580-88908-33 RE | 82 | 114 | 89 | 100 | 93 | 96 | 91 C | 91 C156 |
| J5-SC1b-100to110-82719 | 580-88908-34 | 84 | 82 | 93 | 89 | 99 | 82 | 82 C | 82 C156 |
| J5-SC1b-100to110-82719 RE | 580-88908-34 RE | 73 | 79 | 84 | 87 | 84 | 83 | 83 C | 83 C156 |
| J5-SC1b-00to10-82719 | 580-88908-35 | 87 | 83 | 87 | 92 | 90 | 83 | 88 C | 88 C156 |
| J5-SC1b-00to10-82719 RE | 580-88908-35 RE | 80 | 85 | 91 | 93 | 89 | 83 | 85 C | 85 C156 |
| J5-SC1b-10to20-82719 | 580-88908-36 | 77 | 79 | 87 | 88 | 89 | 82 | 84 C | 84 C156 |
| J5-SC1b-10to20-82719 RE | 580-88908-36 RE | 84 | 87 | 92 | 97 | 86 | 84 | 83 C | 83 C156 |
| | MB 140-33628/12-B | 80 | 77 | 94 | 82 | 90 | 80 | 82 C | 82 C156 |
| | MB 140-34150/12-B | 74 | 76 | 84 | 85 | 82 | 82 | 82 C | 82 C156 |

| | QC LIMITS |
|---|---|
| PCB188L = PCB-188L | 30-140 |
| PCB105L = PCB-105L | 30-140 |
| PCB178L = PCB-178L | 40-125 |
| PCB126L = PCB-126L | 30-140 |
| PCB202L = PCB-202L | 30-140 |
| PCB167L = PCB-167L | 30-140 |
| PCB156L = PCB-156L | 30-140 |
| PCB157L = PCB-157L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Solid  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB188L # | PCB105L # | PCB178L # | PCB126L # | PCB202L # | PCB167L # | PCB156L # | PCB157L # |
|---|---|---|---|---|---|---|---|---|---|
| | LCS 140-33628/13-B | 76 | 72 | 84 | 82 | 83 | 80 | 82 C | 82 C156 |
| | LCS 140-34150/13-B | 78 | 76 | 93 | 87 | 86 | 82 | 83 C | 83 C156 |

| | QC LIMITS |
|---|---|
| PCB188L = PCB-188L | 30-140 |
| PCB105L = PCB-105L | 30-140 |
| PCB178L = PCB-178L | 40-125 |
| PCB126L = PCB-126L | 30-140 |
| PCB202L = PCB-202L | 30-140 |
| PCB167L = PCB-167L | 30-140 |
| PCB156L = PCB-156L | 30-140 |
| PCB157L = PCB-157L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Solid  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB170L # | PCB169L # | PCB208L # | PCB189L # | PCB205L # | PCB206L # | PCB209L # |
|---|---|---|---|---|---|---|---|---|
| J5-SC1b-20to30-827 19 | 580-88908-26 | 77 | 97 | 78 | 86 | 76 | 70 | 71 |
| J5-SC1b-20to30-827 19 RE | 580-88908-26 RE | 82 | 100 | 77 | 81 | 79 | 71 | 70 |
| J5-SC1b-30to40-827 19 | 580-88908-27 | 76 | 90 | 81 | 84 | 73 | 69 | 76 |
| J5-SC1b-30to40-827 19 RE | 580-88908-27 RE | 82 | 90 | 71 | 96 | 74 | 63 | 62 |
| J5-SC1b-40to50-827 19 | 580-88908-28 | 81 | 86 | 82 | 89 | 83 | 69 | 50 q |
| J5-SC1b-40to50-827 19 RE | 580-88908-28 RE | 88 | 104 | 81 | 95 | 80 | 72 | 66 |
| J5-SC1b-50to60-827 19 | 580-88908-29 | 80 | 95 | 80 | 83 | 75 | 71 | 70 |
| J5-SC1b-50to60-827 19 RE | 580-88908-29 RE | 83 | 97 | 78 | 99 | 81 | 73 | 64 |
| J5-SC1b-60to70-827 19 | 580-88908-30 | 83 | 90 | 76 | 83 | 72 | 69 | 70 |
| J5-SC1b-60to70-827 19 RE | 580-88908-30 RE | 80 | 92 | 71 | 52 | 76 | 72 | 70 |
| J5-SC1b-70to80-827 19 | 580-88908-31 | 78 | 94 | 82 | 87 | 77 | 72 | 78 |
| J5-SC1b-70to80-827 19 RE | 580-88908-31 RE | 85 | 94 | 84 | 105 | 81 | 78 | 69 |
| J5-SC1b-80to90-827 19 | 580-88908-32 | 78 | 99 | 86 | 85 | 81 | 79 | 78 |
| J5-SC1b-80to90-827 19 RE | 580-88908-32 RE | 83 | 90 | 89 | 75 | 89 | 79 | 88 |
| J5-SC1b-90to100-82 719 | 580-88908-33 | 84 | 93 | 82 | 74 | 79 | 78 | 80 |
| J5-SC1b-90to100-82 719 RE | 580-88908-33 RE | 81 | 103 | 101 | 75 | 83 | 90 | 103 |
| J5-SC1b-100to110-8 2719 | 580-88908-34 | 80 | 94 | 84 | 82 | 81 | 84 | 87 |
| J5-SC1b-100to110-8 2719 RE | 580-88908-34 RE | 77 | 100 | 82 | 72 | 79 | 77 | 78 |
| J5-SC1b-00to10-827 19 | 580-88908-35 | 79 | 99 | 88 | 89 | 82 | 79 | 81 |
| J5-SC1b-00to10-827 19 RE | 580-88908-35 RE | 82 | 98 | 80 | 101 | 82 | 79 | 69 |
| J5-SC1b-10to20-827 19 | 580-88908-36 | 77 | 96 | 82 | 83 | 77 | 76 | 75 |
| J5-SC1b-10to20-827 19 RE | 580-88908-36 RE | 83 | 96 | 80 | 99 | 79 | 73 | 69 |
| | MB 140-33628/12-B | 75 | 92 | 77 | 83 | 76 | 74 | 73 |
| | MB 140-34150/12-B | 74 | 91 | 74 | 88 | 75 | 69 | 65 |

| | QC LIMITS |
|---|---|
| PCB170L = PCB-170L | 30-140 |
| PCB169L = PCB-169L | 30-140 |
| PCB208L = PCB-208L | 30-140 |
| PCB189L = PCB-189L | 30-140 |
| PCB205L = PCB-205L | 30-140 |
| PCB206L = PCB-206L | 30-140 |
| PCB209L = PCB-209L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Solid  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB170L # | PCB169L # | PCB208L # | PCB189L # | PCB205L # | PCB206L # | PCB209L # |
|---|---|---|---|---|---|---|---|---|
| | LCS 140-33628/13-B | 72 | 97 | 73 | 71 | 70 | 69 | 73 |
| | LCS 140-34150/13-B | 78 | 93 | 77 | 93 | 79 | 70 | 68 |

| | QC LIMITS |
|---|---|
| PCB170L = PCB-170L | 30-140 |
| PCB169L = PCB-169L | 30-140 |
| PCB208L = PCB-208L | 30-140 |
| PCB189L = PCB-189L | 30-140 |
| PCB205L = PCB-205L | 30-140 |
| PCB206L = PCB-206L | 30-140 |
| PCB209L = PCB-209L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Water  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB1L # | PCB3L # | PCB4L # | PCB19L # | PCB15L # | PCB54L # | PCB28L # | PCB104L # |
|---|---|---|---|---|---|---|---|---|---|
| 711-82719 | 580-88908-74 | 94 | 96 | 86 | 86 | 88 | 103 | 81 | 88 |
| | MB 140-33603/10-A | 92 | 96 | 80 | 76 | 92 | 99 | 86 | 86 |
| | LCS 140-33603/11-A | 93 | 94 | 80 | 76 | 90 | 99 | 80 | 81 |

| | QC LIMITS |
|---|---|
| PCB1L = PCB-1L | 30-140 |
| PCB3L = PCB-3L | 30-140 |
| PCB4L = PCB-4L | 30-140 |
| PCB19L = PCB-19L | 30-140 |
| PCB15L = PCB-15L | 30-140 |
| PCB54L = PCB-54L | 30-140 |
| PCB28L = PCB-28L | 40-125 |
| PCB104L = PCB-104L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Water  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB37L # | PCB155L # | PCB81L # | PCB77L # | PCB111L # | PCB123L # | PCB118L # | P114L # |
|---|---|---|---|---|---|---|---|---|---|
| 711-82719 | 580-88908-74 | 93 | 102 | 87 | 89 | 89 | 86 | 88 | 86 |
| | MB 140-33603/10-A | 100 q | 98 | 98 | 99 | 99 | 89 | 91 | 89 |
| | LCS 140-33603/11-A | 93 q | 90 | 93 | 96 | 93 | 85 | 88 | 85 |

| | QC LIMITS |
|---|---|
| PCB37L = PCB-37L | 30-140 |
| PCB155L = PCB-155L | 30-140 |
| PCB81L = PCB-81L | 30-140 |
| PCB77L = PCB-77L | 30-140 |
| PCB111L = PCB-111L | 40-125 |
| PCB123L = PCB-123L | 30-140 |
| PCB118L = PCB-118L | 30-140 |
| P114L = PCB-114L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Water  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB188L # | PCB105L # | PCB178L # | PCB126L # | PCB202L # | PCB167L # | PCB156L # | PCB157L # |
|---|---|---|---|---|---|---|---|---|---|
| 711-82719 | 580-88908-74 | 81 | 86 | 90 | 95 | 92 | 90 | 91 C | 91 C156 |
| | MB 140-33603/10-A | 88 | 89 | 100 | 98 | 98 | 88 | 92 C | 92 C156 |
| | LCS 140-33603/11-A | 83 | 85 | 93 | 93 | 92 | 88 | 86 C | 86 C156 |

| | QC LIMITS |
|---|---|
| PCB188L = PCB-188L | 30-140 |
| PCB105L = PCB-105L | 30-140 |
| PCB178L = PCB-178L | 40-125 |
| PCB126L = PCB-126L | 30-140 |
| PCB202L = PCB-202L | 30-140 |
| PCB167L = PCB-167L | 30-140 |
| PCB156L = PCB-156L | 30-140 |
| PCB157L = PCB-157L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM II
HI-RES PCBS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Water  Level: Low

GC Column (1): SPB-Octyl  ID: 0.25(mm)

| Client Sample ID | Lab Sample ID | PCB170L # | PCB169L # | PCB208L # | PCB189L # | PCB205L # | PCB206L # | PCB209L # |
|---|---|---|---|---|---|---|---|---|
| 711-82719 | 580-88908-74 | 78 | 93 | 81 | 92 | 81 | 75 | 62 |
| | MB 140-33603/10-A | 88 | 98 | 87 | 97 | 87 | 79 | 68 |
| | LCS 140-33603/11-A | 83 | 96 | 81 | 91 | 82 | 72 | 61 |

| | QC LIMITS |
|---|---|
| PCB170L = PCB-170L | 30-140 |
| PCB169L = PCB-169L | 30-140 |
| PCB208L = PCB-208L | 30-140 |
| PCB189L = PCB-189L | 30-140 |
| PCB205L = PCB-205L | 30-140 |
| PCB206L = PCB-206L | 30-140 |
| PCB209L = PCB-209L | 30-140 |

# Column to be used to flag recovery values

FORM II 1668A

FORM III
HI-RES PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Matrix: Water  Level: Low  Lab File ID: lcs140-3360311-a.d

Lab ID: LCS 140-33603/11-A  Client ID:

| COMPOUND | SPIKE ADDED (ng/L) | LCS CONCENTRATION (ng/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| PCB-1 | 1.00 | 1.01 | 101 | 50-150 | |
| PCB-3 | 1.00 | 0.997 | 100 | 50-150 | |
| PCB-4 | 1.00 | 0.985 | 99 | 50-150 | |
| PCB-15 | 1.00 | 0.905 | 90 | 50-150 | |
| PCB-19 | 1.00 | 1.03 | 103 | 50-150 | |
| PCB-37 | 1.00 | 0.770 | 77 | 50-150 | |
| PCB-54 | 1.00 | 0.877 | 88 | 50-150 | |
| PCB-77 | 1.00 | 0.915 | 91 | 50-150 | |
| PCB-81 | 1.00 | 0.943 | 94 | 50-150 | |
| PCB-104 | 1.00 | 0.999 | 100 | 50-150 | |
| PCB-105 | 1.00 | 0.917 | 92 | 50-150 | |
| PCB-114 | 1.00 | 0.887 | 89 | 50-150 | |
| PCB-118 | 1.00 | 0.905 | 90 | 50-150 | |
| PCB-123 | 1.00 | 0.921 | 92 | 50-150 | |
| PCB-126 | 1.00 | 0.887 | 89 | 50-150 | |
| PCB-155 | 1.00 | 0.919 | 92 | 50-150 | |
| PCB-156 | 2.00 | 1.86 | 93 | 50-150 | C |
| PCB-157 | 2.00 | 1.86 | 93 | 50-150 | C156 |
| PCB-167 | 1.00 | 0.922 | 92 | 50-150 | |
| PCB-169 | 1.00 | 0.919 | 92 | 50-150 | |
| PCB-188 | 1.00 | 0.956 | 96 | 50-150 | |
| PCB-189 | 1.00 | 0.910 | 91 | 50-150 | |
| PCB-202 | 1.00 | 0.878 | 88 | 50-150 | |
| PCB-205 | 1.00 | 0.905 | 91 | 50-150 | |
| PCB-206 | 1.00 | 0.875 | 88 | 50-150 | |
| PCB-208 | 1.00 | 0.890 | 89 | 50-150 | |
| PCB-209 | 1.00 | 0.881 | 88 | 50-150 | |
| PCB-1L | 2.00 | 1.86 | 93 | 30-140 | |
| PCB-3L | 2.00 | 1.89 | 94 | 30-140 | |
| PCB-4L | 2.00 | 1.61 | 80 | 30-140 | |
| PCB-15L | 2.00 | 1.80 | 90 | 30-140 | |
| PCB-19L | 2.00 | 1.52 | 76 | 30-140 | |
| PCB-37L | 2.00 | 1.86 | 93 | 30-140 | q |
| PCB-54L | 2.00 | 1.97 | 99 | 30-140 | |
| PCB-77L | 2.00 | 1.91 | 96 | 30-140 | |
| PCB-81L | 2.00 | 1.85 | 93 | 30-140 | |
| PCB-104L | 2.00 | 1.62 | 81 | 30-140 | |
| PCB-105L | 2.00 | 1.70 | 85 | 30-140 | |
| PCB-114L | 2.00 | 1.69 | 85 | 30-140 | |
| PCB-118L | 2.00 | 1.75 | 88 | 30-140 | |
| PCB-123L | 2.00 | 1.69 | 85 | 30-140 | |
| PCB-126L | 2.00 | 1.87 | 93 | 30-140 | |

# Column to be used to flag recovery and RPD values

FORM III 1668A

FORM III
HI-RES PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Matrix: Water Level: Low Lab File ID: lcs140-3360311-a.d

Lab ID: LCS 140-33603/11-A Client ID:

| COMPOUND | SPIKE ADDED (ng/L) | LCS CONCENTRATION (ng/L) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| PCB-155L | 2.00 | 1.80 | 90 | 30-140 | |
| PCB-156L | 4.00 | 3.45 | 86 | 30-140 | C |
| PCB-157L | 4.00 | 3.45 | 86 | 30-140 | C156 |
| PCB-167L | 2.00 | 1.77 | 88 | 30-140 | |
| PCB-169L | 2.00 | 1.91 | 96 | 30-140 | |
| PCB-170L | 2.00 | 1.67 | 83 | 30-140 | |
| PCB-188L | 2.00 | 1.67 | 83 | 30-140 | |
| PCB-189L | 2.00 | 1.81 | 91 | 30-140 | |
| PCB-202L | 2.00 | 1.84 | 92 | 30-140 | |
| PCB-205L | 2.00 | 1.64 | 82 | 30-140 | |
| PCB-206L | 2.00 | 1.43 | 72 | 30-140 | |
| PCB-208L | 2.00 | 1.62 | 81 | 30-140 | |
| PCB-209L | 2.00 | 1.22 | 61 | 30-140 | |

# Column to be used to flag recovery and RPD values

FORM III 1668A

FORM III
HI-RES PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: lcs140-3362813-b_191003123749

Lab ID: LCS 140-33628/13-B Client ID:

| COMPOUND | SPIKE ADDED (ng/g) | LCS CONCENTRATION (ng/g) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| PCB-1 | 0.500 | 0.461 | 92 | 50-150 | |
| PCB-3 | 0.500 | 0.483 | 97 | 50-150 | |
| PCB-4 | 0.500 | 0.477 | 95 | 50-150 | |
| PCB-15 | 0.500 | 0.439 | 88 | 50-150 | |
| PCB-19 | 0.500 | 0.440 | 88 | 50-150 | |
| PCB-37 | 0.500 | 0.470 | 94 | 50-150 | |
| PCB-54 | 0.500 | 0.458 | 92 | 50-150 | |
| PCB-77 | 0.500 | 0.466 | 93 | 50-150 | |
| PCB-81 | 0.500 | 0.495 | 99 | 50-150 | |
| PCB-104 | 0.500 | 0.480 | 96 | 50-150 | |
| PCB-105 | 0.500 | 0.482 | 96 | 50-150 | |
| PCB-114 | 0.500 | 0.489 | 98 | 50-150 | |
| PCB-118 | 0.500 | 0.465 | 93 | 50-150 | |
| PCB-123 | 0.500 | 0.462 | 92 | 50-150 | |
| PCB-126 | 0.500 | 0.463 | 93 | 50-150 | |
| PCB-155 | 0.500 | 0.439 | 88 | 50-150 | |
| PCB-156 | 1.00 | 0.924 | 92 | 50-150 | C |
| PCB-157 | 1.00 | 0.924 | 92 | 50-150 | C156 |
| PCB-167 | 0.500 | 0.473 | 95 | 50-150 | |
| PCB-169 | 0.500 | 0.460 | 92 | 50-150 | |
| PCB-188 | 0.500 | 0.442 | 88 | 50-150 | |
| PCB-189 | 0.500 | 0.496 | 99 | 50-150 | |
| PCB-202 | 0.500 | 0.456 | 91 | 50-150 | |
| PCB-205 | 0.500 | 0.461 | 92 | 50-150 | |
| PCB-206 | 0.500 | 0.463 | 93 | 50-150 | |
| PCB-208 | 0.500 | 0.436 | 87 | 50-150 | |
| PCB-209 | 0.500 | 0.471 | 94 | 50-150 | |
| PCB-1L | 1.00 | 0.593 | 59 | 30-140 | |
| PCB-3L | 1.00 | 0.608 | 61 | 30-140 | |
| PCB-4L | 1.00 | 0.642 | 64 | 30-140 | |
| PCB-15L | 1.00 | 0.733 | 73 | 30-140 | |
| PCB-19L | 1.00 | 0.644 | 64 | 30-140 | |
| PCB-37L | 1.00 | 0.761 | 76 | 30-140 | |
| PCB-54L | 1.00 | 0.632 | 63 | 30-140 | |
| PCB-77L | 1.00 | 0.792 | 79 | 30-140 | |
| PCB-81L | 1.00 | 0.766 | 77 | 30-140 | |
| PCB-104L | 1.00 | 0.817 | 82 | 30-140 | |
| PCB-105L | 1.00 | 0.718 | 72 | 30-140 | |
| PCB-114L | 1.00 | 0.702 | 70 | 30-140 | |
| PCB-118L | 1.00 | 0.743 | 74 | 30-140 | |
| PCB-123L | 1.00 | 0.747 | 75 | 30-140 | |
| PCB-126L | 1.00 | 0.824 | 82 | 30-140 | |

# Column to be used to flag recovery and RPD values

FORM III 1668A

FORM III
HI-RES PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: lcs140-3362813-b_191003123749

Lab ID: LCS 140-33628/13-B Client ID:

| COMPOUND | SPIKE ADDED (ng/g) | LCS CONCENTRATION (ng/g) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| PCB-155L | 1.00 | 0.964 | 96 | 30-140 | |
| PCB-156L | 2.00 | 1.64 | 82 | 30-140 | C |
| PCB-157L | 2.00 | 1.64 | 82 | 30-140 | C156 |
| PCB-167L | 1.00 | 0.802 | 80 | 30-140 | |
| PCB-169L | 1.00 | 0.971 | 97 | 30-140 | |
| PCB-170L | 1.00 | 0.721 | 72 | 30-140 | |
| PCB-188L | 1.00 | 0.760 | 76 | 30-140 | |
| PCB-189L | 1.00 | 0.707 | 71 | 30-140 | |
| PCB-202L | 1.00 | 0.825 | 83 | 30-140 | |
| PCB-205L | 1.00 | 0.697 | 70 | 30-140 | |
| PCB-206L | 1.00 | 0.691 | 69 | 30-140 | |
| PCB-208L | 1.00 | 0.733 | 73 | 30-140 | |
| PCB-209L | 1.00 | 0.732 | 73 | 30-140 | |

# Column to be used to flag recovery and RPD values

FORM III 1668A

FORM III
HI-RES PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: lcs140-3415013-b.d

Lab ID: LCS 140-34150/13-B Client ID:

| COMPOUND | SPIKE ADDED (ng/g) | LCS CONCENTRATION (ng/g) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| PCB-1 | 0.500 | 0.492 | 98 | 50-150 | |
| PCB-3 | 0.500 | 0.493 | 99 | 50-150 | |
| PCB-4 | 0.500 | 0.493 | 99 | 50-150 | |
| PCB-15 | 0.500 | 0.472 | 94 | 50-150 | |
| PCB-19 | 0.500 | 0.473 | 95 | 50-150 | |
| PCB-37 | 0.500 | 0.514 | 103 | 50-150 | |
| PCB-54 | 0.500 | 0.495 | 99 | 50-150 | |
| PCB-77 | 0.500 | 0.474 | 95 | 50-150 | |
| PCB-81 | 0.500 | 0.489 | 98 | 50-150 | |
| PCB-104 | 0.500 | 0.472 | 94 | 50-150 | |
| PCB-105 | 0.500 | 0.501 | 100 | 50-150 | |
| PCB-114 | 0.500 | 0.482 | 96 | 50-150 | |
| PCB-118 | 0.500 | 0.492 | 98 | 50-150 | |
| PCB-123 | 0.500 | 0.492 | 98 | 50-150 | |
| PCB-126 | 0.500 | 0.479 | 96 | 50-150 | |
| PCB-155 | 0.500 | 0.458 | 92 | 50-150 | |
| PCB-156 | 1.00 | 0.962 | 96 | 50-150 | C |
| PCB-157 | 1.00 | 0.962 | 96 | 50-150 | C156 |
| PCB-167 | 0.500 | 0.480 | 96 | 50-150 | |
| PCB-169 | 0.500 | 0.477 | 95 | 50-150 | |
| PCB-188 | 0.500 | 0.475 | 95 | 50-150 | |
| PCB-189 | 0.500 | 0.498 | 100 | 50-150 | |
| PCB-202 | 0.500 | 0.467 | 93 | 50-150 | |
| PCB-205 | 0.500 | 0.480 | 96 | 50-150 | |
| PCB-206 | 0.500 | 0.468 | 94 | 50-150 | |
| PCB-208 | 0.500 | 0.477 | 95 | 50-150 | |
| PCB-209 | 0.500 | 0.467 | 93 | 50-150 | |
| PCB-1L | 1.00 | 0.775 | 77 | 30-140 | |
| PCB-3L | 1.00 | 0.737 | 74 | 30-140 | |
| PCB-4L | 1.00 | 0.713 | 71 | 30-140 | |
| PCB-15L | 1.00 | 0.764 | 76 | 30-140 | |
| PCB-19L | 1.00 | 0.709 | 71 | 30-140 | |
| PCB-37L | 1.00 | 0.783 | 78 | 30-140 | |
| PCB-54L | 1.00 | 0.677 | 68 | 30-140 | |
| PCB-77L | 1.00 | 0.823 | 82 | 30-140 | |
| PCB-81L | 1.00 | 0.778 | 78 | 30-140 | |
| PCB-104L | 1.00 | 0.830 | 83 | 30-140 | |
| PCB-105L | 1.00 | 0.763 | 76 | 30-140 | |
| PCB-114L | 1.00 | 0.762 | 76 | 30-140 | |
| PCB-118L | 1.00 | 0.781 | 78 | 30-140 | |
| PCB-123L | 1.00 | 0.764 | 76 | 30-140 | |
| PCB-126L | 1.00 | 0.869 | 87 | 30-140 | |

# Column to be used to flag recovery and RPD values

FORM III 1668A

FORM III
HI-RES PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: lcs140-3415013-b.d

Lab ID: LCS 140-34150/13-B Client ID:

| COMPOUND | SPIKE ADDED (ng/g) | LCS CONCENTRATION (ng/g) | LCS % REC | QC LIMITS REC | # |
|---|---|---|---|---|---|
| PCB-155L | 1.00 | 0.900 | 90 | 30-140 | |
| PCB-156L | 2.00 | 1.65 | 83 | 30-140 | C |
| PCB-157L | 2.00 | 1.65 | 83 | 30-140 | C156 |
| PCB-167L | 1.00 | 0.821 | 82 | 30-140 | |
| PCB-169L | 1.00 | 0.927 | 93 | 30-140 | |
| PCB-170L | 1.00 | 0.782 | 78 | 30-140 | |
| PCB-188L | 1.00 | 0.779 | 78 | 30-140 | |
| PCB-189L | 1.00 | 0.927 | 93 | 30-140 | |
| PCB-202L | 1.00 | 0.856 | 86 | 30-140 | |
| PCB-205L | 1.00 | 0.787 | 79 | 30-140 | |
| PCB-206L | 1.00 | 0.704 | 70 | 30-140 | |
| PCB-208L | 1.00 | 0.774 | 77 | 30-140 | |
| PCB-209L | 1.00 | 0.678 | 68 | 30-140 | |

# Column to be used to flag recovery and RPD values

FORM III 1668A

FORM IV
HI-RES PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab File ID: mb140-3360310-a.d  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Date Extracted: 09/16/2019 12:34

Instrument ID: D3D  Date Analyzed: 09/24/2019 15:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 140-33603/11-A | lcs140-3360311-a.d | 09/24/2019 13:53 |
| 711-82719 | 580-88908-74 | 580-88908-a-74-a.d | 09/24/2019 17:59 |

FORM IV
HI-RES PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab File ID: mb140-3362812-b_191003143938.  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Date Extracted: 09/17/2019 12:25

Instrument ID: D3D  Date Analyzed: 10/03/2019 14:39

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| J5-SC1b-40to50-82719 | 580-88908-28 | 580-88908-a-28-ca.d | 09/26/2019 04:52 |
| | LCS 140-33628/13-B | lcs140-3362813-b_191003123749.d | 10/03/2019 12:37 |
| J5-SC1b-20to30-82719 | 580-88908-26 | 580-88908-a-26-c_191003154139.d | 10/03/2019 15:41 |
| J5-SC1b-30to40-82719 | 580-88908-27 | 580-88908-a-27-c_191003164337.d | 10/03/2019 16:43 |
| J5-SC1b-50to60-82719 | 580-88908-29 | 580-88908-a-29-c_191003174537.d | 10/03/2019 17:45 |
| J5-SC1b-60to70-82719 | 580-88908-30 | 580-88908-a-30-c.d | 10/03/2019 18:47 |
| J5-SC1b-70to80-82719 | 580-88908-31 | 580-88908-a-31-c.d | 10/03/2019 19:49 |
| J5-SC1b-80to90-82719 | 580-88908-32 | 580-88908-a-32-c.d | 10/03/2019 20:51 |
| J5-SC1b-90to100-82719 | 580-88908-33 | 580-88908-a-33-c.d | 10/04/2019 02:55 |
| J5-SC1b-100to110-82719 | 580-88908-34 | 580-88908-a-34-c.d | 10/04/2019 03:57 |
| J5-SC1b-00to10-82719 | 580-88908-35 | 580-88908-a-35-c.d | 10/04/2019 04:59 |
| J5-SC1b-10to20-82719 | 580-88908-36 | 580-88908-a-36-c_191004060131.d | 10/04/2019 06:01 |

FORM IV
HI-RES PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab File ID: mb140-3415012-b.d  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Date Extracted: 10/03/2019 11:21

Instrument ID: D3D  Date Analyzed: 10/09/2019 16:44

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| | LCS 140-34150/13-B | lcs140-3415013-b.d | 10/09/2019 14:41 |
| J5-SC1b-40to50-82719 RE | 580-88908-28 RE | 580-88908-a-28-f.d | 10/09/2019 17:46 |
| J5-SC1b-50to60-82719 RE | 580-88908-29 RE | 580-88908-a-29-f.d | 10/09/2019 18:48 |
| J5-SC1b-10to20-82719 RE | 580-88908-36 RE | 580-88908-a-36-f.d | 10/09/2019 19:50 |
| J5-SC1b-30to40-82719 RE | 580-88908-27 RE | 580-88908-a-27-f.d | 10/09/2019 21:54 |
| J5-SC1b-20to30-82719 RE | 580-88908-26 RE | 580-88908-a-26-f_191010040627.d | 10/10/2019 04:06 |
| J5-SC1b-60to70-82719 RE | 580-88908-30 RE | 580-88908-a-30-f_191010050705.d | 10/10/2019 05:07 |
| J5-SC1b-70to80-82719 RE | 580-88908-31 RE | 580-88908-a-31-f.d | 10/10/2019 06:10 |
| J5-SC1b-80to90-82719 RE | 580-88908-32 RE | 580-88908-a-32-f.d | 10/10/2019 07:11 |
| J5-SC1b-90to100-82719 RE | 580-88908-33 RE | 580-88908-a-33-f.d | 10/10/2019 08:13 |
| J5-SC1b-100to110-82719 RE | 580-88908-34 RE | 580-88908-a-34-f.d | 10/10/2019 09:14 |
| J5-SC1b-00to10-82719 RE | 580-88908-35 RE | 580-88908-a-35-fa_191011160059.d | 10/11/2019 16:00 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 1.1 | | 0.050 | 0.0045 |
| 2051-61-8 | PCB-2 | 0.12 | q | 0.050 | 0.0045 |
| 2051-62-9 | PCB-3 | 0.54 | | 0.050 | 0.0044 |
| 13029-08-8 | PCB-4 | 0.64 | | 0.099 | 0.0059 |
| 16605-91-7 | PCB-5 | 0.12 | | 0.050 | 0.0027 |
| 25569-80-6 | PCB-6 | 0.54 | | 0.050 | 0.0027 |
| 33284-50-3 | PCB-7 | 0.13 | | 0.050 | 0.0026 |
| 34883-43-7 | PCB-8 | 1.9 | | 0.099 | 0.0027 |
| 34883-39-1 | PCB-9 | 0.17 | | 0.050 | 0.0030 |
| 33146-45-1 | PCB-10 | 0.033 | J q | 0.050 | 0.0029 |
| 2050-67-1 | PCB-11 | 0.047 | J B | 0.099 | 0.0026 |
| 2974-92-7 | PCB-12 | 0.18 | C | 0.099 | 0.0026 |
| 2974-90-5 | PCB-13 | 0.18 | C12 | 0.099 | 0.0026 |
| 34883-41-5 | PCB-14 | ND | | 0.050 | 0.0023 |
| 2050-68-2 | PCB-15 | 0.59 | | 0.050 | 0.0021 |
| 38444-78-9 | PCB-16 | 1.0 | | 0.050 | 0.0035 |
| 37680-66-3 | PCB-17 | 1.6 | | 0.050 | 0.0027 |
| 37680-65-2 | PCB-18 | 2.5 | C | 0.099 | 0.0024 |
| 38444-73-4 | PCB-19 | 0.26 | | 0.050 | 0.0033 |
| 38444-84-7 | PCB-20 | 4.8 | C | 0.099 | 0.024 |
| 55702-46-0 | PCB-21 | 2.1 | C | 0.099 | 0.023 |
| 38444-85-8 | PCB-22 | 1.1 | | 0.050 | 0.026 |
| 55720-44-0 | PCB-23 | ND | | 0.050 | 0.025 |
| 55702-45-9 | PCB-24 | 0.026 | J | 0.050 | 0.0020 |
| 55712-37-3 | PCB-25 | 0.58 | | 0.050 | 0.024 |
| 38444-81-4 | PCB-26 | 0.98 | C | 0.099 | 0.024 |
| 38444-76-7 | PCB-27 | 0.18 | | 0.050 | 0.0020 |
| 7012-37-5 | PCB-28 | 4.8 | C20 | 0.099 | 0.024 |
| 15862-07-4 | PCB-29 | 0.98 | C26 | 0.099 | 0.024 |
| 35693-92-6 | PCB-30 | 2.5 | C18 | 0.099 | 0.0024 |
| 16606-02-3 | PCB-31 | 3.5 | | 0.099 | 0.023 |
| 38444-77-8 | PCB-32 | 1.3 | | 0.050 | 0.0018 |
| 38444-86-9 | PCB-33 | 2.1 | C21 | 0.099 | 0.023 |
| 37680-68-5 | PCB-34 | 0.067 | | 0.050 | 0.026 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *37680-69-6* | *PCB-35* | *0.066* | | *0.050* | *0.026* |
| *38444-87-0* | *PCB-36* | *ND* | | *0.050* | *0.024* |
| *38444-90-5* | *PCB-37* | *0.87* | | *0.050* | *0.025* |
| *53555-66-1* | *PCB-38* | *ND* | | *0.050* | *0.024* |
| *38444-88-1* | *PCB-39* | *0.095* | | *0.050* | *0.023* |
| *38444-93-8* | *PCB-40* | *6.0* | *C* | *0.15* | *0.021* |
| *52663-59-9* | *PCB-41* | *6.0* | *C40* | *0.15* | *0.021* |
| *36559-22-5* | *PCB-42* | *2.5* | | *0.050* | *0.022* |
| *70362-46-8* | *PCB-43* | *0.36* | *q C* | *0.099* | *0.019* |
| *41464-39-5* | *PCB-44* | *23* | *C B* | *0.15* | *0.018* |
| *70362-45-7* | *PCB-45* | *5.1* | *C B* | *0.099* | *0.021* |
| *41464-47-5* | *PCB-46* | *0.46* | | *0.050* | *0.025* |
| *2437-79-8* | *PCB-47* | *23* | *C44 B* | *0.15* | *0.018* |
| *70362-47-9* | *PCB-48* | *1.0* | | *0.050* | *0.020* |
| *41464-40-8* | *PCB-49* | *15* | *C B* | *0.099* | *0.017* |
| *62796-65-0* | *PCB-50* | *2.9* | *C* | *0.099* | *0.020* |
| *68194-04-7* | *PCB-51* | *5.1* | *C45 B* | *0.099* | *0.021* |
| *35693-99-3* | *PCB-52* | *33* | *B* | *0.050* | *0.021* |
| *41464-41-9* | *PCB-53* | *2.9* | *C50* | *0.099* | *0.020* |
| *15968-05-5* | *PCB-54* | *0.35* | | *0.050* | *0.0015* |
| *74338-24-2* | *PCB-55* | *0.096* | | *0.050* | *0.015* |
| *41464-43-1* | *PCB-56* | *3.1* | | *0.050* | *0.015* |
| *70424-67-8* | *PCB-57* | *0.064* | | *0.050* | *0.015* |
| *41464-49-7* | *PCB-58* | *0.095* | | *0.050* | *0.014* |
| *74472-33-6* | *PCB-59* | *0.68* | *C* | *0.15* | *0.014* |
| *33025-41-1* | *PCB-60* | *0.58* | | *0.050* | *0.014* |
| *33284-53-6* | *PCB-61* | *21* | *C B* | *0.20* | *0.014* |
| *54230-22-7* | *PCB-62* | *0.68* | *C59* | *0.15* | *0.014* |
| *74472-34-7* | *PCB-63* | *0.38* | | *0.050* | *0.013* |
| *52663-58-8* | *PCB-64* | *3.3* | | *0.050* | *0.013* |
| *33284-54-7* | *PCB-65* | *23* | *C44 B* | *0.15* | *0.018* |
| *32598-10-0* | *PCB-66* | *9.9* | | *0.050* | *0.015* |
| *73575-53-8* | *PCB-67* | *0.35* | | *0.050* | *0.013* |
| *73575-52-7* | *PCB-68* | *0.49* | | *0.050* | *0.013* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 15 | C49 B | 0.099 | 0.017 |
| 32598-11-1 | PCB-70 | 21 | C61 B | 0.20 | 0.014 |
| 41464-46-4 | PCB-71 | 6.0 | C40 | 0.15 | 0.021 |
| 41464-42-0 | PCB-72 | 0.78 | | 0.050 | 0.014 |
| 74338-23-1 | PCB-73 | 0.36 | q C43 | 0.099 | 0.019 |
| 32690-93-0 | PCB-74 | 21 | C61 B | 0.20 | 0.014 |
| 32598-12-2 | PCB-75 | 0.68 | C59 | 0.15 | 0.014 |
| 70362-48-0 | PCB-76 | 21 | C61 B | 0.20 | 0.014 |
| 32598-13-3 | PCB-77 | 0.47 | | 0.050 | 0.014 |
| 70362-49-1 | PCB-78 | ND | | 0.050 | 0.014 |
| 41464-48-6 | PCB-79 | 0.57 | | 0.050 | 0.012 |
| 33284-52-5 | PCB-80 | 0.071 | | 0.050 | 0.013 |
| 70362-50-4 | PCB-81 | 0.047 | J q | 0.050 | 0.014 |
| 52663-62-4 | PCB-82 | 3.9 | | 0.050 | 0.0029 |
| 60145-20-2 | PCB-83 | 34 | C | 0.099 | 0.0026 |
| 52663-60-2 | PCB-84 | 11 | B | 0.050 | 0.0029 |
| 65510-45-4 | PCB-85 | 5.7 | C B | 0.15 | 0.0020 |
| 55312-69-1 | PCB-86 | 26 | C | 0.30 | 0.0021 |
| 38380-02-8 | PCB-87 | 26 | C86 | 0.30 | 0.0021 |
| 55215-17-3 | PCB-88 | 8.9 | C | 0.099 | 0.0025 |
| 73575-57-2 | PCB-89 | 0.25 | | 0.050 | 0.0028 |
| 68194-07-0 | PCB-90 | 53 | C B | 0.15 | 0.0022 |
| 68194-05-8 | PCB-91 | 8.9 | C88 | 0.099 | 0.0025 |
| 52663-61-3 | PCB-92 | 15 | | 0.050 | 0.0026 |
| 73575-56-1 | PCB-93 | 2.4 | C | 0.099 | 0.0025 |
| 73575-55-0 | PCB-94 | 0.84 | | 0.050 | 0.0027 |
| 38379-99-6 | PCB-95 | 41 | | 0.050 | 0.0026 |
| 73575-54-9 | PCB-96 | 0.56 | | 0.050 | 0.0020 |
| 41464-51-1 | PCB-97 | 26 | C86 | 0.30 | 0.0021 |
| 60233-25-2 | PCB-98 | 3.1 | C | 0.099 | 0.0025 |
| 38380-01-7 | PCB-99 | 34 | C83 | 0.099 | 0.0026 |
| 39485-83-1 | PCB-100 | 2.4 | C93 | 0.099 | 0.0025 |
| 37680-73-2 | PCB-101 | 53 | C90 B | 0.15 | 0.0022 |
| 68194-06-9 | PCB-102 | 3.1 | C98 | 0.099 | 0.0025 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *60145-21-3* | *PCB-103* | *2.5* | | *0.050* | *0.0024* |
| *56558-16-8* | *PCB-104* | *0.087* | | *0.050* | *0.0018* |
| *32598-14-4* | *PCB-105* | *11* | | *0.050* | *0.036* |
| *70424-69-0* | *PCB-106* | *ND* | | *0.050* | *0.037* |
| *70424-68-9* | *PCB-107* | *3.3* | | *0.050* | *0.034* |
| *70362-41-3* | *PCB-108* | *1.2* | *C* | *0.099* | *0.037* |
| *74472-35-8* | *PCB-109* | *26* | *C86* | *0.30* | *0.0021* |
| *38380-03-9* | *PCB-110* | *47* | *C* | *0.099* | *0.0018* |
| *39635-32-0* | *PCB-111* | *0.24* | | *0.050* | *0.0017* |
| *74472-36-9* | *PCB-112* | *ND* | | *0.050* | *0.0018* |
| *68194-10-5* | *PCB-113* | *53* | *C90 B* | *0.15* | *0.0022* |
| *74472-37-0* | *PCB-114* | *0.67* | | *0.050* | *0.034* |
| *74472-38-1* | *PCB-115* | *47* | *C110* | *0.099* | *0.0018* |
| *18259-05-7* | *PCB-116* | *5.7* | *C85 B* | *0.15* | *0.0020* |
| *68194-11-6* | *PCB-117* | *5.7* | *C85 B* | *0.15* | *0.0020* |
| *31508-00-6* | *PCB-118* | *31* | *B* | *0.050* | *0.034* |
| *56558-17-9* | *PCB-119* | *26* | *C86* | *0.30* | *0.0021* |
| *68194-12-7* | *PCB-120* | *0.83* | | *0.050* | *0.0017* |
| *56558-18-0* | *PCB-121* | *0.10* | | *0.050* | *0.0018* |
| *76842-07-4* | *PCB-122* | *0.39* | | *0.050* | *0.040* |
| *65510-44-3* | *PCB-123* | *0.40* | | *0.050* | *0.035* |
| *70424-70-3* | *PCB-124* | *1.2* | *C108* | *0.099* | *0.037* |
| *74472-39-2* | *PCB-125* | *26* | *C86* | *0.30* | *0.0021* |
| *57465-28-8* | *PCB-126* | *0.038* | *J q* | *0.050* | *0.036* |
| *39635-33-1* | *PCB-127* | *0.086* | | *0.050* | *0.036* |
| *38380-07-3* | *PCB-128* | *6.6* | *C B* | *0.099* | *0.012* |
| *55215-18-4* | *PCB-129* | *47* | *C B* | *0.20* | *0.013* |
| *52663-66-8* | *PCB-130* | *3.5* | | *0.050* | *0.017* |
| *61798-70-7* | *PCB-131* | *0.63* | | *0.050* | *0.016* |
| *38380-05-1* | *PCB-132* | *18* | | *0.050* | *0.016* |
| *35694-04-3* | *PCB-133* | *2.0* | | *0.050* | *0.015* |
| *52704-70-8* | *PCB-134* | *3.5* | *C* | *0.099* | *0.016* |
| *52744-13-5* | *PCB-135* | *27* | *C B* | *0.099* | *0.0013* |
| *38411-22-2* | *PCB-136* | *11* | *B* | *0.050* | *0.00098* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *1.8* | | *0.050* | *0.013* |
| *35065-28-2* | *PCB-138* | *47* | *C129 B* | *0.20* | *0.013* |
| *56030-56-9* | *PCB-139* | *1.6* | *C* | *0.099* | *0.014* |
| *59291-64-4* | *PCB-140* | *1.6* | *C139* | *0.099* | *0.014* |
| *52712-04-6* | *PCB-141* | *7.8* | | *0.050* | *0.014* |
| *41411-61-4* | *PCB-142* | *0.024* | *J q* | *0.050* | *0.016* |
| *68194-15-0* | *PCB-143* | *3.5* | *C134* | *0.099* | *0.016* |
| *68194-14-9* | *PCB-144* | *2.2* | | *0.050* | *0.0012* |
| *74472-40-5* | *PCB-145* | *0.067* | | *0.050* | *0.00096* |
| *51908-16-8* | *PCB-146* | *16* | *B* | *0.050* | *0.014* |
| *68194-13-8* | *PCB-147* | *53* | *C B* | *0.099* | *0.014* |
| *74472-41-6* | *PCB-148* | *0.74* | | *0.050* | *0.0013* |
| *38380-04-0* | *PCB-149* | *53* | *C147 B* | *0.099* | *0.014* |
| *68194-08-1* | *PCB-150* | *0.70* | | *0.050* | *0.00092* |
| *52663-63-5* | *PCB-151* | *27* | *C135 B* | *0.099* | *0.0013* |
| *68194-09-2* | *PCB-152* | *0.13* | | *0.050* | *0.00091* |
| *35065-27-1* | *PCB-153* | *47* | *C B* | *0.099* | *0.011* |
| *60145-22-4* | *PCB-154* | *4.1* | | *0.050* | *0.0011* |
| *33979-03-2* | *PCB-155* | *0.031* | *J* | *0.050* | *0.00087* |
| *38380-08-4* | *PCB-156* | *5.0* | *C* | *0.099* | *0.013* |
| *69782-90-7* | *PCB-157* | *5.0* | *C156* | *0.099* | *0.013* |
| *74472-42-7* | *PCB-158* | *4.2* | | *0.050* | *0.0099* |
| *39635-35-3* | *PCB-159* | *0.58* | | *0.050* | *0.010* |
| *41411-62-5* | *PCB-160* | *47* | *C129 B* | *0.20* | *0.013* |
| *74472-43-8* | *PCB-161* | *0.016* | *J q* | *0.050* | *0.010* |
| *39635-34-2* | *PCB-162* | *0.13* | | *0.050* | *0.010* |
| *74472-44-9* | *PCB-163* | *47* | *C129 B* | *0.20* | *0.013* |
| *74472-45-0* | *PCB-164* | *3.7* | | *0.050* | *0.011* |
| *74472-46-1* | *PCB-165* | *0.11* | | *0.050* | *0.012* |
| *41411-63-6* | *PCB-166* | *6.6* | *C128 B* | *0.099* | *0.012* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-72-6* | *PCB-167* | *1.5* | | *0.050* | *0.0085* |
| *59291-65-5* | *PCB-168* | *47* | *C153 B* | *0.099* | *0.011* |
| *32774-16-6* | *PCB-169* | *0.085* | | *0.050* | *0.0095* |
| *35065-30-6* | *PCB-170* | *12* | *B* | *0.050* | *0.00084* |
| *52663-71-5* | *PCB-171* | *4.2* | *C* | *0.099* | *0.00086* |
| *52663-74-8* | *PCB-172* | *2.3* | | *0.050* | *0.00083* |
| *68194-16-1* | *PCB-173* | *4.2* | *C171* | *0.099* | *0.00086* |
| *38411-25-5* | *PCB-174* | *14* | *B* | *0.050* | *0.00087* |
| *40186-70-7* | *PCB-175* | *0.58* | | *0.050* | *0.00077* |
| *52663-65-7* | *PCB-176* | *1.9* | | *0.050* | *0.00054* |
| *52663-70-4* | *PCB-177* | *9.8* | *B* | *0.050* | *0.00088* |
| *52663-67-9* | *PCB-178* | *3.7* | | *0.050* | *0.00081* |
| *52663-64-6* | *PCB-179* | *7.8* | | *0.050* | *0.00058* |
| *35065-29-3* | *PCB-180* | *29* | *C B* | *0.099* | *0.00067* |
| *74472-47-2* | *PCB-181* | *0.14* | | *0.050* | *0.00075* |
| *60145-23-5* | *PCB-182* | *0.24* | | *0.050* | *0.00072* |
| *52663-69-1* | *PCB-183* | *9.1* | *C B* | *0.099* | *0.00073* |
| *74472-48-3* | *PCB-184* | *0.021* | *J* | *0.050* | *0.00058* |
| *52712-05-7* | *PCB-185* | *9.1* | *C183 B* | *0.099* | *0.00073* |
| *74472-49-4* | *PCB-186* | *ND* | | *0.050* | *0.00058* |
| *52663-68-0* | *PCB-187* | *20* | *B* | *0.050* | *0.00074* |
| *74487-85-7* | *PCB-188* | *0.11* | | *0.050* | *0.00054* |
| *39635-31-9* | *PCB-189* | *0.46* | | *0.050* | *0.0041* |
| *41411-64-7* | *PCB-190* | *2.6* | *B* | *0.050* | *0.00060* |
| *74472-50-7* | *PCB-191* | *0.58* | | *0.050* | *0.00060* |
| *74472-51-8* | *PCB-192* | *ND* | | *0.050* | *0.00064* |
| *69782-91-8* | *PCB-193* | *29* | *C180 B* | *0.099* | *0.00067* |
| *35694-08-7* | *PCB-194* | *6.6* | | *0.050* | *0.015* |
| *52663-78-2* | *PCB-195* | *3.0* | | *0.050* | *0.018* |
| *42740-50-1* | *PCB-196* | *3.5* | | *0.050* | *0.0013* |
| *33091-17-7* | *PCB-197* | *0.25* | *q* | *0.050* | *0.00092* |
| *68194-17-2* | *PCB-198* | *7.6* | *C B* | *0.099* | *0.0014* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *7.6* | *C198 B* | *0.099* | *0.0014* |
| *52663-73-7* | *PCB-200* | *0.98* | | *0.050* | *0.00098* |
| *40186-71-8* | *PCB-201* | *0.96* | | *0.050* | *0.00093* |
| *2136-99-4* | *PCB-202* | *1.5* | | *0.050* | *0.0011* |
| *52663-76-0* | *PCB-203* | *4.4* | | *0.050* | *0.0012* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.050* | *0.0010* |
| *74472-53-0* | *PCB-205* | *0.34* | | *0.050* | *0.011* |
| *40186-72-9* | *PCB-206* | *2.6* | | *0.050* | *0.0088* |
| *52663-79-3* | *PCB-207* | *0.33* | | *0.050* | *0.0062* |
| *52663-77-1* | *PCB-208* | *0.62* | | *0.050* | *0.0064* |
| *2051-24-3* | *PCB-209* | *1.2* | | *0.050* | *0.0017* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *1.8* | *q* | *0.050* | *0.0045* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *4.4* | *q B* | *0.099* | *0.0029* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *21* | | *0.099* | *0.017* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *130* | *q B* | *0.20* | *0.016* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *300* | *q B* | *0.30* | *0.013* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *270* | *q B* | *0.20* | *0.0095* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *120* | *B* | *0.099* | *0.00087* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *29* | *q B* | *0.099* | *0.0048* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *3.6* | | *0.050* | *0.0071* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *890* | *q B* | *0.30* | *0.0081* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719  Lab Sample ID: 580-88908-26

Matrix: Solid  Lab File ID: 580-88908-a-26-c_191003154139.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.94(g)  Date Analyzed: 10/03/2019 15:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 39 | | 30-140 |
| 208263-77-8 | PCB-3L | 53 | | 30-140 |
| 234432-86-1 | PCB-4L | 54 | | 30-140 |
| 208263-67-6 | PCB-15L | 79 | | 30-140 |
| 234432-87-2 | PCB-19L | 64 | | 30-140 |
| 208263-79-0 | PCB-37L | 82 | | 30-140 |
| 234432-88-3 | PCB-54L | 65 | | 30-140 |
| 105600-23-5 | PCB-77L | 84 | | 30-140 |
| 208461-24-9 | PCB-81L | 82 | | 30-140 |
| 234432-89-4 | PCB-104L | 86 | | 30-140 |
| 208263-62-1 | PCB-105L | 78 | | 30-140 |
| 208263-63-2 | PCB-114L | 77 | | 30-140 |
| 104130-40-7 | PCB-118L | 80 | | 30-140 |
| 208263-64-3 | PCB-123L | 79 | | 30-140 |
| 208263-65-4 | PCB-126L | 86 | | 30-140 |
| 234432-90-7 | PCB-155L | 93 | | 30-140 |
| 208263-68-7 | PCB-156L | 82 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 82 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 83 | | 30-140 |
| 208263-70-1 | PCB-169L | 97 | | 30-140 |
| 160901-80-4 | PCB-170L | 77 | | 30-140 |
| 234432-91-8 | PCB-188L | 75 | | 30-140 |
| 208263-73-4 | PCB-189L | 86 | | 30-140 |
| 105600-26-8 | PCB-202L | 82 | | 30-140 |
| 234446-64-1 | PCB-205L | 76 | | 30-140 |
| 208263-75-6 | PCB-206L | 70 | | 30-140 |
| 234432-92-9 | PCB-208L | 78 | | 30-140 |
| 105600-27-9 | PCB-209L | 71 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 75 | | 40-125 |
| 235416-29-2 | PCB-111L | 86 | | 40-125 |
| 232919-67-4 | PCB-178L | 80 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d
Lims ID: 580-88908-A-26-C
Client ID: J5-SC1b-20to30-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 15:41:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-008
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 17:05:08 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0323

First Level Reviewer: nordquistj Date: 03-Oct-2019 17:05:08

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 35.6 | 35.3 | 0.0901 | 0.0901 | | RQ |
| D PCB-1L | 12:00 | 338971 | 3.20 | 1.3140 | 7.855 | 7.855 | 0.4539 | 0.4539 | 39.27 | Ma |
| D PCB-3L | 14:04 | 474615 | 3.17 | 1.3615 | 10.6 | 10.6 | 0.4380 | 0.4380 | 53.07 | M |
| PCB-1 | 12:00 | 444207 | 3.07 | 1.1883 | 22.1 | 22.1 | 0.0903 | 0.0903 | | a |
| PCB-2 | 13:55 | 58893 | 3.13 | 1.1911 | 2.726 | 2.431 | 0.0906 | 0.0906 | | RQ |
| PCB-3 | 14:05 | 311301 | 3.19 | 1.2130 | 10.8 | 10.8 | 0.0895 | 0.0895 | | |
| S Total Dichlorobiphenyls | | | | | 87.6 | 87.6 | 0.0587 | 0.0587 | | RQ |
| D PCB-4L | 14:19 | 212088 | 1.61 | 0.5996 | 10.8 | 10.8 | 0.2957 | 0.2957 | 53.85 | |
| * PCB-9L | 16:14 | 656846 | 1.66 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:05 | 533458 | 1.67 | 1.0280 | 15.8 | 15.8 | 0.1725 | 0.1725 | 79.00 | |
| PCB-4 | 14:19 | 170480 | 1.63 | 1.2533 | 12.8 | 12.8 | 0.1197 | 0.1197 | | |
| PCB-10 | 14:30 | 18598 | 1.56 | 1.4828 | 0.7404 | 0.6729 | 0.0576 | 0.0576 | | RQ |
| PCB-9 | 16:15 | 92463 | 1.63 | 1.4200 | 3.494 | 3.494 | 0.0601 | 0.0601 | | a |
| PCB-7 | 16:25 | 82335 | 1.71 | 1.6244 | 2.719 | 2.719 | 0.0526 | 0.0526 | | a |
| PCB-6 | 16:38 | 313189 | 1.59 | 1.5539 | 10.8 | 10.8 | 0.0550 | 0.0550 | | a |
| PCB-5 | 17:00 | 68711 | 1.48 | 1.5606 | 2.362 | 2.362 | 0.0547 | 0.0547 | | M |
| PCB-8 | 17:04 | 1134392 | 1.57 | 1.5884 | 38.3 | 38.3 | 0.0538 | 0.0538 | | M |
| PCB-14 | 18:35 | | | | | | 0.0456 | 0.0456 | | |
| PCB-11 | 19:29 | 29070 | 1.62 | 1.6347 | 0.9541 | 0.9541 | 0.0522 | 0.0522 | | |
| PCB-12 | 19:46 | 109759 | 1.58 | 1.6410 | 3.588 | 3.588 | 0.0520 | 0.0520 | | |
| PCB-13 (C12) | 19:46 | 109759 | 1.58 | 1.6410 | 3.588 | 3.588 | 0.0520 | 0.0520 | | |
| PCB-15 | 20:06 | 442482 | 1.61 | 1.4024 | 11.8 | 11.8 | 0.0426 | 0.0426 | | |
| S Total Trichlorobiphenyl | | | | | 425.4 | 425.4 | 0.3375 | 0.3375 | | |
| D PCB-19L | 17:21 | 191104 | 1.07 | 0.6095 | 12.9 | 12.9 | 0.5010 | 0.5010 | 64.43 | |
| * PCB-32L | 20:33 | 486645 | 1.14 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:48 | 1056056 | 1.08 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:05 | 873564 | 1.02 | 1.0975 | 15.1 | 15.1 | 0.1611 | 0.1611 | 75.37 | |
| D PCB-37L | 27:04 | 782469 | 1.05 | 0.9024 | 16.4 | 16.4 | 0.1959 | 0.1959 | 82.10 | |
| PCB-19 | 17:21 | 65727 | 0.94 | 1.3047 | 5.272 | 5.272 | 0.0663 | 0.0663 | | |
| PCB-18 | 19:11 | 886987 | 1.08 | 1.8188 | 51.0 | 51.0 | 0.0476 | 0.0476 | | |
| PCB-30 (C18) | 19:11 | 886987 | 1.08 | 1.8188 | 51.0 | 51.0 | 0.0476 | 0.0476 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:37 | 493588 | 1.06 | 1.5641 | 33.0 | 33.0 | 0.0553 | 0.0553 | | |
| PCB-27 | 19:49 | 77107 | 1.09 | 2.1680 | 3.722 | 3.722 | 0.0399 | 0.0399 | | a |
| PCB-24 | 19:57 | 10363 | 1.20 | 2.1018 | 0.5160 | 0.5160 | 0.0412 | 0.0412 | | M |
| PCB-16 | 20:03 | 246044 | 1.05 | 1.2260 | 21.0 | 21.0 | 0.0706 | 0.0706 | | Ma |
| PCB-32 | 20:34 | 576655 | 1.04 | 2.3416 | 25.8 | 25.8 | 0.0369 | 0.0369 | | a |
| PCB-34 | 21:49 | 63751 | 1.03 | 1.2154 | 1.341 | 1.341 | 0.5288 | 0.5288 | | a |
| PCB-23 | 21:56 | | | | | | 0.5071 | 0.5071 | | MU |
| PCB-26 | 22:16 | 1015974 | 1.06 | 1.3193 | 19.7 | 19.7 | 0.4872 | 0.4872 | | a |
| PCB-29 (C26) | 22:16 | 1015974 | 1.06 | 1.3193 | 19.7 | 19.7 | 0.4872 | 0.4872 | | a |
| PCB-25 | 22:30 | 613946 | 1.08 | 1.3523 | 11.6 | 11.6 | 0.4753 | 0.4753 | | |
| PCB-31 | 22:48 | 3783522 | 1.06 | 1.3809 | 70.0 | 70.0 | 0.4654 | 0.4654 | | |
| PCB-20 | 23:06 | 4959327 | 1.06 | 1.3057 | 97.1 | 97.1 | 0.4922 | 0.4922 | | |
| PCB-28 (C20) | 23:06 | 4959327 | 1.06 | 1.3057 | 97.1 | 97.1 | 0.4922 | 0.4922 | | |
| PCB-21 | 23:21 | 2277623 | 1.07 | 1.3777 | 42.3 | 42.3 | 0.4665 | 0.4665 | | |
| PCB-33 (C21) | 23:21 | 2277623 | 1.07 | 1.3777 | 42.3 | 42.3 | 0.4665 | 0.4665 | | |
| PCB-22 | 23:44 | 1077500 | 1.07 | 1.2430 | 22.2 | 22.2 | 0.5171 | 0.5171 | | |
| PCB-36 | 25:15 | | | | | | 0.4772 | 0.4772 | | MU |
| PCB-39 | 25:39 | 104480 | 1.06 | 1.3970 | 1.912 | 1.912 | 0.4601 | 0.4601 | | |
| PCB-38 | 26:11 | | | | | | 0.4878 | 0.4878 | | MU |
| PCB-35 | 26:42 | 63137 | 1.01 | 1.2166 | 1.326 | 1.326 | 0.5283 | 0.5283 | | |
| PCB-37 | 27:05 | 888489 | 1.09 | 1.2879 | 17.6 | 17.6 | 0.4990 | 0.4990 | | |
| S Total Tetrachlorobiphen | | | | | 2667.5 | 2665.9 | 0.3152 | 0.3152 | | RQ |
| D PCB-54L | 20:23 | 205552 | 0.74 | 0.6515 | 13.0 | 13.0 | 0.0694 | 0.0694 | 64.84 | |
| * PCB-52L | 24:54 | 591043 | 0.81 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:49 | 600050 | 0.80 | 1.2328 | 16.5 | 16.5 | 0.0289 | 0.0289 | 82.35 | |
| D PCB-77L | 34:22 | 618398 | 0.78 | 1.2523 | 16.7 | 16.7 | 0.0285 | 0.0285 | 83.55 | |
| PCB-54 | 20:24 | 89926 | 0.76 | 1.2558 | 6.967 | 6.967 | 0.0311 | 0.0311 | | |
| PCB-50 | 22:32 | 1658019 | 0.80 | 0.9362 | 58.1 | 58.1 | 0.4051 | 0.4051 | | |
| PCB-53 (C50) | 22:32 | 1658019 | 0.80 | 0.9362 | 58.1 | 58.1 | 0.4051 | 0.4051 | | |
| PCB-45 | 23:17 | 2759966 | 0.81 | 0.8850 | 102.4 | 102.4 | 0.4285 | 0.4285 | | |
| PCB-51 (C45) | 23:17 | 2759966 | 0.81 | 0.8850 | 102.4 | 102.4 | 0.4285 | 0.4285 | | |
| PCB-46 | 23:31 | 212760 | 0.79 | 0.7591 | 9.201 | 9.201 | 0.4996 | 0.4996 | | |
| PCB-52 | 24:55 | 18250219 | 0.80 | 0.8992 | 666.3 | 666.3 | 0.4217 | 0.4217 | | |
| PCB-43 | 25:04 | 223165 | 0.77 | 0.9993 | 8.792 | 7.331 | 0.3795 | 0.3795 | | RQ |
| PCB-73 (C43) | 25:04 | 223165 | 0.77 | 0.9993 | 8.792 | 7.331 | 0.3795 | 0.3795 | | RQ |
| PCB-49 | 25:25 | 10761165 | 0.80 | 1.1366 | 310.8 | 310.8 | 0.3337 | 0.3337 | | |
| PCB-69 (C49) | 25:25 | 10761165 | 0.80 | 1.1366 | 310.8 | 310.8 | 0.3337 | 0.3337 | | |
| PCB-48 | 25:42 | 596776 | 0.75 | 0.9454 | 20.7 | 20.7 | 0.4012 | 0.4012 | | |
| PCB-44 | 25:58 | 14784124 | 0.80 | 1.0323 | 470.2 | 470.2 | 0.3674 | 0.3674 | | |
| PCB-47 (C44) | 25:58 | 14784124 | 0.80 | 1.0323 | 470.2 | 470.2 | 0.3674 | 0.3674 | | |
| PCB-65 (C44) | 25:58 | 14784124 | 0.80 | 1.0323 | 470.2 | 470.2 | 0.3674 | 0.3674 | | |
| PCB-59 | 26:16 | 571382 | 0.77 | 1.3609 | 13.8 | 13.8 | 0.2787 | 0.2787 | | |
| PCB-62 (C59) | 26:16 | 571382 | 0.77 | 1.3609 | 13.8 | 13.8 | 0.2787 | 0.2787 | | |
| PCB-75 (C59) | 26:16 | 571382 | 0.77 | 1.3609 | 13.8 | 13.8 | 0.2787 | 0.2787 | | |
| PCB-42 | 26:26 | 1345017 | 0.78 | 0.8670 | 50.9 | 50.9 | 0.4374 | 0.4374 | | a |
| PCB-40 | 26:56 | 3405625 | 0.79 | 0.9179 | 121.8 | 121.8 | 0.4132 | 0.4132 | | M |
| PCB-41 (C40) | 26:56 | 3405625 | 0.79 | 0.9179 | 121.8 | 121.8 | 0.4132 | 0.4132 | | M |
| PCB-71 (C40) | 26:56 | 3405625 | 0.79 | 0.9179 | 121.8 | 121.8 | 0.4132 | 0.4132 | | M |
| PCB-64 | 27:09 | 2903439 | 0.79 | 1.4164 | 67.3 | 67.3 | 0.2678 | 0.2678 | | a |
| PCB-72 | 28:00 | 633231 | 0.78 | 1.3157 | 15.8 | 15.8 | 0.2882 | 0.2882 | | |
| PCB-68 | 28:16 | 448944 | 0.85 | 1.4782 | 9.970 | 9.970 | 0.2566 | 0.2566 | | |
| PCB-57 | 28:42 | 50319 | 0.71 | 1.2817 | 1.289 | 1.289 | 0.2959 | 0.2959 | | M |
| PCB-58 | 28:56 | 76981 | 0.82 | 1.3214 | 1.913 | 1.913 | 0.2870 | 0.2870 | | M |
| PCB-67 | 29:06 | 302973 | 0.82 | 1.3944 | 7.133 | 7.133 | 0.2720 | 0.2720 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:22 | 345108 | 0.82 | 1.4685 | 7.715 | 7.715 | 0.2583 | 0.2583 | | |
| PCB-61 | 29:41 | 17246274 | 0.80 | 1.3565 | 417.4 | 417.4 | 0.2796 | 0.2796 | | |
| PCB-70 (C61) | 29:41 | 17246274 | 0.80 | 1.3565 | 417.4 | 417.4 | 0.2796 | 0.2796 | | |
| PCB-74 (C61) | 29:41 | 17246274 | 0.80 | 1.3565 | 417.4 | 417.4 | 0.2796 | 0.2796 | | |
| PCB-76 (C61) | 29:41 | 17246274 | 0.80 | 1.3565 | 417.4 | 417.4 | 0.2796 | 0.2796 | | |
| PCB-66 | 30:01 | 7783864 | 0.80 | 1.2800 | 199.6 | 199.6 | 0.2963 | 0.2963 | | M |
| PCB-55 | 30:07 | 76536 | 0.78 | 1.2951 | 1.940 | 1.940 | 0.2928 | 0.2928 | | M |
| PCB-56 | 30:41 | 2404501 | 0.80 | 1.2671 | 62.3 | 62.3 | 0.2993 | 0.2993 | | |
| PCB-60 | 30:54 | 473559 | 0.80 | 1.3288 | 11.7 | 11.7 | 0.2854 | 0.2854 | | |
| PCB-80 | 31:19 | 64438 | 0.79 | 1.4694 | 1.440 | 1.440 | 0.2581 | 0.2581 | | M |
| PCB-79 | 32:51 | 536124 | 0.80 | 1.5421 | 11.4 | 11.4 | 0.2459 | 0.2459 | | |
| PCB-78 | 33:23 | | | | | | 0.2884 | 0.2884 | | |
| PCB-81 | 33:47 | 37641 | 0.77 | 1.3214 | 1.125 | 0.9494 | 0.2804 | 0.2804 | | RQM |
| PCB-77 | 34:24 | 390902 | 0.80 | 1.3308 | 9.500 | 9.500 | 0.2919 | 0.2919 | | |
| S Total Pentachlorobiphen | | | | | 6106.9 | 6106.8 | 0.2650 | 0.2650 | | RQ |
| D PCB-104L | 25:51 | 435197 | 1.57 | 1.1164 | 17.2 | 17.2 | 0.0330 | 0.0330 | 85.86 | |
| * PCB-101L | 31:45 | 454049 | 1.51 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:26 | 477757 | 1.58 | 1.2177 | 17.3 | 17.3 | 0.0303 | 0.0303 | 86.41 | |
| D PCB-123L | 36:23 | 613796 | 1.60 | 0.9909 | 15.8 | 15.8 | 0.3663 | 0.3663 | 79.13 | |
| D PCB-118L | 36:43 | 638654 | 1.51 | 1.0256 | 15.9 | 15.9 | 0.3540 | 0.3540 | 79.56 | |
| D PCB-114L | 37:15 | 606273 | 1.60 | 1.0030 | 15.4 | 15.4 | 0.3619 | 0.3619 | 77.22 | |
| D PCB-105L | 37:53 | 607816 | 1.56 | 1.0013 | 15.5 | 15.5 | 0.3626 | 0.3626 | 77.55 | |
| * PCB-127L | 39:22 | 782738 | 1.70 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:59 | 603969 | 1.78 | 0.9020 | 17.1 | 17.1 | 0.4024 | 0.4024 | 85.54 | |
| PCB-104 | 25:53 | 53085 | 1.57 | 1.3926 | 1.752 | 1.752 | 0.0359 | 0.0359 | | M |
| PCB-96 | 26:14 | 302971 | 1.56 | 1.2268 | 11.3 | 11.3 | 0.0407 | 0.0407 | | |
| PCB-103 | 28:10 | 1115152 | 1.60 | 1.0331 | 49.6 | 49.6 | 0.0484 | 0.0484 | | |
| PCB-94 | 28:23 | 332083 | 1.51 | 0.9036 | 16.9 | 16.9 | 0.0553 | 0.0553 | | |
| PCB-95 | 28:50 | 17505960 | 1.56 | 0.9620 | 836.2 | 836.2 | 0.0519 | 0.0519 | | |
| PCB-93 | 29:03 | 1012383 | 1.58 | 0.9806 | 47.4 | 47.4 | 0.0510 | 0.0510 | | |
| PCB-100 (C93) | 29:03 | 1012383 | 1.58 | 0.9806 | 47.4 | 47.4 | 0.0510 | 0.0510 | | |
| PCB-98 | 29:11 | 1326312 | 1.62 | 0.9888 | 61.6 | 61.6 | 0.0505 | 0.0505 | | |
| PCB-102 (C98) | 29:11 | 1326312 | 1.62 | 0.9888 | 61.6 | 61.6 | 0.0505 | 0.0505 | | |
| PCB-88 | 29:41 | 3941676 | 1.60 | 1.0052 | 180.2 | 180.2 | 0.0497 | 0.0497 | | |
| PCB-91 (C88) | 29:41 | 3941676 | 1.60 | 1.0052 | 180.2 | 180.2 | 0.0497 | 0.0497 | | |
| PCB-84 | 29:54 | 3999662 | 1.58 | 0.8601 | 213.7 | 213.7 | 0.0581 | 0.0581 | | M |
| PCB-89 | 30:23 | 99479 | 1.58 | 0.8936 | 5.116 | 5.116 | 0.0559 | 0.0559 | | M |
| PCB-121 | 30:49 | 62131 | 1.55 | 1.3971 | 2.044 | 2.044 | 0.0358 | 0.0358 | | M |
| PCB-92 | 31:11 | 6106809 | 1.58 | 0.9532 | 294.4 | 294.4 | 0.0524 | 0.0524 | | |
| PCB-90 | 31:46 | 26341733 | 1.57 | 1.1367 | 1065.0 | 1065.0 | 0.0440 | 0.0440 | | |
| PCB-101 (C90) | 31:46 | 26341733 | 1.57 | 1.1367 | 1065.0 | 1065.0 | 0.0440 | 0.0440 | | |
| PCB-113 (C90) | 31:46 | 26341733 | 1.57 | 1.1367 | 1065.0 | 1065.0 | 0.0440 | 0.0440 | | |
| PCB-83 | 32:21 | 14070811 | 1.54 | 0.9393 | 688.4 | 688.4 | 0.0532 | 0.0532 | | M |
| PCB-99 (C83) | 32:21 | 14070811 | 1.54 | 0.9393 | 688.4 | 688.4 | 0.0532 | 0.0532 | | M |
| PCB-112 | 32:26 | | | | | | 0.0365 | 0.0365 | | |
| PCB-86 | 32:51 | 13758638 | 1.52 | 1.1958 | 528.8 | 528.8 | 0.0418 | 0.0418 | | M |
| PCB-87 (C86) | 32:51 | 13758638 | 1.52 | 1.1958 | 528.8 | 528.8 | 0.0418 | 0.0418 | | M |
| PCB-97 (C86) | 32:51 | 13758638 | 1.52 | 1.1958 | 528.8 | 528.8 | 0.0418 | 0.0418 | | M |
| PCB-109 (C86) | 32:51 | 13758638 | 1.52 | 1.1958 | 528.8 | 528.8 | 0.0418 | 0.0418 | | M |
| PCB-119 (C86) | 32:51 | 13758638 | 1.52 | 1.1958 | 528.8 | 528.8 | 0.0418 | 0.0418 | | M |
| PCB-125 (C86) | 32:51 | 13758638 | 1.52 | 1.1958 | 528.8 | 528.8 | 0.0418 | 0.0418 | | M |
| PCB-85 | 33:34 | 3013565 | 1.60 | 1.2126 | 114.2 | 114.2 | 0.0412 | 0.0412 | | |
| PCB-116 (C85) | 33:34 | 3013565 | 1.60 | 1.2126 | 114.2 | 114.2 | 0.0412 | 0.0412 | | |
| PCB-117 (C85) | 33:34 | 3013565 | 1.60 | 1.2126 | 114.2 | 114.2 | 0.0412 | 0.0412 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:44 | 27589009 | 1.57 | 1.3511 | 938.4 | 938.4 | 0.0370 | 0.0370 | | a |
| PCB-115 (C110) | 33:44 | 27589009 | 1.57 | 1.3511 | 938.4 | 938.4 | 0.0370 | 0.0370 | | a |
| PCB-82 | 34:03 | 1492952 | 1.62 | 0.8675 | 79.1 | 79.1 | 0.0576 | 0.0576 | | |
| PCB-111 | 34:27 | 147892 | 1.48 | 1.4262 | 4.766 | 4.766 | 0.0350 | 0.0350 | | |
| PCB-120 | 34:55 | 539898 | 1.64 | 1.4907 | 16.6 | 16.6 | 0.0335 | 0.0335 | | |
| PCB-108 | 36:03 | 910280 | 1.56 | 1.2547 | 23.6 | 23.6 | 0.7490 | 0.7490 | | |
| PCB-124 (C108) | 36:03 | 910280 | 1.56 | 1.2547 | 23.6 | 23.6 | 0.7490 | 0.7490 | | |
| PCB-107 | 36:18 | 2809783 | 1.58 | 1.3580 | 67.4 | 67.4 | 0.6921 | 0.6921 | | M |
| PCB-123 | 36:25 | 331820 | 1.56 | 1.3407 | 8.065 | 8.065 | 0.7104 | 0.7104 | | Ma |
| PCB-106 | 36:30 | | | | | | 0.7372 | 0.7372 | | |
| PCB-118 | 36:44 | 25358500 | 1.56 | 1.2892 | 616.0 | 616.0 | 0.6922 | 0.6922 | | |
| PCB-122 | 37:05 | 282713 | 1.51 | 1.1614 | 7.928 | 7.928 | 0.8092 | 0.8092 | | |
| PCB-114 | 37:16 | 573797 | 1.59 | 1.4051 | 13.5 | 13.5 | 0.6937 | 0.6937 | | |
| PCB-105 | 37:54 | 8306668 | 1.57 | 1.2887 | 212.1 | 212.1 | 0.7156 | 0.7156 | | |
| PCB-127 | 39:27 | 68059 | 1.68 | 1.2841 | 1.726 | 1.726 | 0.7319 | 0.7319 | | Ma |
| PCB-126 | 41:00 | 31249 | 1.55 | 1.3416 | 0.8545 | 0.7713 | 0.7170 | 0.7170 | | RQM |
| S Total Hexachlorobipheny | | | | | 5434.0 | 5433.8 | 0.1918 | 0.1918 | | RQ |
| D PCB-155L | 31:32 | 399921 | 1.21 | 0.9499 | 18.5 | 18.5 | 0.0111 | 0.0111 | 92.73 | |
| * PCB-138L | 39:50 | 523644 | 1.24 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:51 | 543099 | 1.21 | 1.2544 | 16.5 | 16.5 | 0.0945 | 0.0945 | 82.68 | |
| D PCB-156L | 44:00 | 1061551 | 1.31 | 1.2289 | 33.0 | 33.0 | 0.0964 | 0.0964 | 82.48 | |
| D PCB-157L (C156L) | 44:00 | 1061551 | 1.31 | 1.2289 | 33.0 | 33.0 | 0.0964 | 0.0964 | 82.48 | |
| D PCB-169L | 47:14 | 553875 | 1.21 | 1.0883 | 19.4 | 19.4 | 0.1089 | 0.1089 | 97.19 | |
| PCB-155 | 31:33 | 16289 | 1.17 | 1.3028 | 0.6253 | 0.6253 | 0.0176 | 0.0176 | | |
| PCB-152 | 31:44 | 67368 | 1.20 | 1.2556 | 2.683 | 2.683 | 0.0183 | 0.0183 | | |
| PCB-150 | 31:54 | 348841 | 1.22 | 1.2368 | 14.1 | 14.1 | 0.0185 | 0.0185 | | |
| PCB-136 | 32:15 | 4983871 | 1.27 | 1.1563 | 215.6 | 215.6 | 0.0198 | 0.0198 | | M |
| PCB-145 | 32:25 | 32343 | 1.33 | 1.1910 | 1.358 | 1.358 | 0.0193 | 0.0193 | | Ma |
| PCB-148 | 34:05 | 268195 | 1.24 | 0.8982 | 14.9 | 14.9 | 0.0255 | 0.0255 | | |
| PCB-135 | 34:39 | 9464036 | 1.27 | 0.8691 | 544.6 | 544.6 | 0.0264 | 0.0264 | | |
| PCB-151 (C135) | 34:39 | 9464036 | 1.27 | 0.8691 | 544.6 | 544.6 | 0.0264 | 0.0264 | | |
| PCB-154 | 34:56 | 1697364 | 1.27 | 1.0180 | 83.4 | 83.4 | 0.0225 | 0.0225 | | |
| PCB-144 | 35:13 | 805780 | 1.26 | 0.9185 | 43.9 | 43.9 | 0.0250 | 0.0250 | | |
| PCB-147 | 35:35 | 28299816 | 1.26 | 0.9747 | 1076.1 | 1076.1 | 0.2837 | 0.2837 | | |
| PCB-149 (C147) | 35:35 | 28299816 | 1.26 | 0.9747 | 1076.1 | 1076.1 | 0.2837 | 0.2837 | | |
| PCB-134 | 35:47 | 1636853 | 1.25 | 0.8518 | 71.2 | 71.2 | 0.3247 | 0.3247 | | a |
| PCB-143 (C134) | 35:47 | 1636853 | 1.25 | 0.8518 | 71.2 | 71.2 | 0.3247 | 0.3247 | | a |
| PCB-139 | 36:11 | 861933 | 1.25 | 0.9995 | 32.0 | 32.0 | 0.2767 | 0.2767 | | M |
| PCB-140 (C139) | 36:11 | 861933 | 1.25 | 0.9995 | 32.0 | 32.0 | 0.2767 | 0.2767 | | M |
| PCB-131 | 36:23 | 293458 | 1.31 | 0.8584 | 12.7 | 12.7 | 0.3222 | 0.3222 | | M |
| PCB-142 | 36:32 | 11173 | 1.24 | 0.8597 | 0.5584 | 0.4817 | 0.3217 | 0.3217 | | RQM |
| PCB-132 | 36:51 | 8743626 | 1.25 | 0.8801 | 368.2 | 368.2 | 0.3142 | 0.3142 | | |
| PCB-133 | 37:22 | 996243 | 1.26 | 0.9064 | 40.7 | 40.7 | 0.3051 | 0.3051 | | |
| PCB-165 | 37:45 | 69361 | 1.18 | 1.1210 | 2.293 | 2.293 | 0.2467 | 0.2467 | | M |
| PCB-146 | 38:00 | 8776057 | 1.26 | 1.0084 | 322.6 | 322.6 | 0.2743 | 0.2743 | | M |
| PCB-161 | 38:13 | 11520 | 1.24 | 1.3370 | 0.3897 | 0.3193 | 0.2068 | 0.2068 | | RQM |
| PCB-153 | 38:37 | 31156056 | 1.25 | 1.2207 | 946.0 | 946.0 | 0.2266 | 0.2266 | | M |
| PCB-168 (C153) | 38:37 | 31156056 | 1.25 | 1.2207 | 946.0 | 946.0 | 0.2266 | 0.2266 | | M |
| PCB-141 | 38:48 | 4061381 | 1.26 | 0.9608 | 156.7 | 156.7 | 0.2878 | 0.2878 | | M |
| PCB-130 | 39:13 | 1563314 | 1.26 | 0.8274 | 70.0 | 70.0 | 0.3342 | 0.3342 | | M |
| PCB-137 | 39:27 | 1011216 | 1.24 | 1.0582 | 35.4 | 35.4 | 0.2613 | 0.2613 | | |
| PCB-164 | 39:34 | 2518782 | 1.26 | 1.2527 | 74.5 | 74.5 | 0.2208 | 0.2208 | | |
| PCB-129 | 39:52 | 27449479 | 1.25 | 1.0840 | 938.5 | 938.5 | 0.2551 | 0.2551 | | |
| PCB-138 (C129) | 39:52 | 27449479 | 1.25 | 1.0840 | 938.5 | 938.5 | 0.2551 | 0.2551 | | |
| PCB-160 (C129) | 39:52 | 27449479 | 1.25 | 1.0840 | 938.5 | 938.5 | 0.2551 | 0.2551 | | |
| PCB-163 (C129) | 39:52 | 27449479 | 1.25 | 1.0840 | 938.5 | 938.5 | 0.2551 | 0.2551 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:15 | 3166104 | 1.26 | 1.3862 | 84.7 | 84.7 | 0.1995 | 0.1995 | | |
| PCB-128 | 41:07 | 4036092 | 1.27 | 1.1165 | 134.0 | 134.0 | 0.2477 | 0.2477 | | M |
| PCB-166 (C128) | 41:07 | 4036092 | 1.27 | 1.1165 | 134.0 | 134.0 | 0.2477 | 0.2477 | | M |
| PCB-159 | 42:04 | 417303 | 1.25 | 1.3178 | 11.7 | 11.7 | 0.2098 | 0.2098 | | |
| PCB-162 | 42:24 | 96194 | 1.39 | 1.3623 | 2.617 | 2.617 | 0.2030 | 0.2030 | | M |
| PCB-167 | 42:52 | 1089570 | 1.25 | 1.3357 | 30.0 | 30.0 | 0.1705 | 0.1705 | | |
| PCB-156 | 44:00 | 3396417 | 1.25 | 1.2759 | 100.3 | 100.3 | 0.2614 | 0.2614 | | |
| PCB-157 (C156) | 44:00 | 3396417 | 1.25 | 1.2759 | 100.3 | 100.3 | 0.2614 | 0.2614 | | |
| PCB-169 | 47:12 | 60854 | 1.11 | 1.2825 | 1.713 | 1.713 | 0.1914 | 0.1914 | | M |
| S Total Heptachlorobiphen | | | | | 2401.7 | 2401.7 | 0.0175 | 0.0175 | | |
| D PCB-188L | 37:15 | 472911 | 1.09 | 1.3162 | 15.0 | 15.0 | 0.0217 | 0.0217 | 74.93 | |
| $ PCB-178L | 40:18 | 355974 | 1.02 | 0.9222 | 16.1 | 16.1 | 0.0310 | 0.0310 | 80.50 | |
| * PCB-180L | 45:24 | 479510 | 1.13 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:39 | 309142 | 1.05 | 0.8357 | 15.4 | 15.4 | 0.0342 | 0.0342 | 77.14 | |
| D PCB-189L | 49:46 | 669526 | 1.08 | 1.4666 | 17.2 | 17.2 | 0.3394 | 0.3394 | 85.96 | |
| PCB-188 | 37:16 | 64891 | 1.06 | 1.2502 | 2.195 | 2.195 | 0.0109 | 0.0109 | | |
| PCB-179 | 37:36 | 4327662 | 1.05 | 1.4149 | 156.4 | 156.4 | 0.0118 | 0.0118 | | |
| PCB-184 | 38:08 | 11623 | 1.18 | 1.4191 | 0.4189 | 0.4189 | 0.0117 | 0.0117 | | M |
| PCB-176 | 38:29 | 1145158 | 1.07 | 1.5212 | 38.5 | 38.5 | 0.0109 | 0.0109 | | |
| PCB-186 | 38:55 | | | | | | 0.0116 | 0.0116 | | |
| PCB-178 | 40:19 | 1504828 | 1.05 | 1.0228 | 75.3 | 75.3 | 0.0163 | 0.0163 | | |
| PCB-175 | 40:58 | 245839 | 1.08 | 1.0690 | 11.8 | 11.8 | 0.0156 | 0.0156 | | |
| PCB-187 | 41:14 | 8805062 | 1.06 | 1.1106 | 405.5 | 405.5 | 0.0150 | 0.0150 | | |
| PCB-182 | 41:26 | 106730 | 1.06 | 1.1484 | 4.754 | 4.754 | 0.0145 | 0.0145 | | |
| PCB-183 | 41:50 | 4067780 | 1.06 | 1.1368 | 183.0 | 183.0 | 0.0146 | 0.0146 | | |
| PCB-185 (C183) | 41:50 | 4067780 | 1.06 | 1.1368 | 183.0 | 183.0 | 0.0146 | 0.0146 | | |
| PCB-174 | 42:04 | 5360132 | 1.06 | 0.9547 | 287.2 | 287.2 | 0.0174 | 0.0174 | | |
| PCB-177 | 42:30 | 3642942 | 1.05 | 0.9426 | 197.7 | 197.7 | 0.0177 | 0.0177 | | |
| PCB-181 | 42:55 | 60941 | 1.13 | 1.1075 | 2.814 | 2.814 | 0.0150 | 0.0150 | | |
| PCB-171 | 43:08 | 1601249 | 1.06 | 0.9603 | 85.3 | 85.3 | 0.0173 | 0.0173 | | |
| PCB-173 (C171) | 43:08 | 1601249 | 1.06 | 0.9603 | 85.3 | 85.3 | 0.0173 | 0.0173 | | |
| PCB-172 | 44:46 | 895542 | 1.05 | 0.9918 | 46.2 | 46.2 | 0.0168 | 0.0168 | | |
| PCB-192 | 45:01 | | | | | | 0.0129 | 0.0129 | | |
| PCB-180 | 45:25 | 13973073 | 1.06 | 1.2286 | 581.7 | 581.7 | 0.0136 | 0.0136 | | |
| PCB-193 (C180) | 45:25 | 13973073 | 1.06 | 1.2286 | 581.7 | 581.7 | 0.0136 | 0.0136 | | |
| PCB-191 | 45:47 | 314434 | 1.06 | 1.3848 | 11.6 | 11.6 | 0.0120 | 0.0120 | | |
| PCB-170 | 46:40 | 4886835 | 1.06 | 1.2700 | 248.9 | 248.9 | 0.0170 | 0.0170 | | |
| PCB-190 | 47:11 | 1432798 | 1.03 | 1.3774 | 53.2 | 53.2 | 0.0121 | 0.0121 | | |
| PCB-189 | 49:47 | 396501 | 1.07 | 1.2799 | 9.254 | 9.254 | 0.0835 | 0.0835 | | |
| S Total Octachlorobipheny | | | | | 586.4 | 586.0 | 0.0963 | 0.0963 | | RQ |
| D PCB-202L | 42:37 | 394561 | 0.94 | 1.0055 | 16.4 | 16.4 | 0.0368 | 0.0368 | 81.83 | |
| * PCB-194L | 51:53 | 531077 | 0.92 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:21 | 518472 | 0.89 | 1.2867 | 15.2 | 15.2 | 0.2531 | 0.2531 | 75.87 | |
| PCB-202 | 42:38 | 617515 | 0.90 | 1.0531 | 29.7 | 29.7 | 0.0212 | 0.0212 | | |
| PCB-201 | 43:34 | 452264 | 0.91 | 1.1860 | 19.3 | 19.3 | 0.0188 | 0.0188 | | |
| PCB-204 | 44:13 | | | | | | 0.0203 | 0.0203 | | |
| PCB-197 | 44:28 | 119516 | 0.89 | 1.2053 | 5.459 | 5.026 | 0.0185 | 0.0185 | | RQ |
| PCB-200 | 44:34 | 439839 | 0.86 | 1.1260 | 19.8 | 19.8 | 0.0198 | 0.0198 | | |
| PCB-198 | 47:23 | 2479157 | 0.89 | 0.8183 | 153.6 | 153.6 | 0.0273 | 0.0273 | | |
| PCB-199 (C198) | 47:23 | 2479157 | 0.89 | 0.8183 | 153.6 | 153.6 | 0.0273 | 0.0273 | | |
| PCB-196 | 48:02 | 1217364 | 0.91 | 0.8748 | 70.5 | 70.5 | 0.0255 | 0.0255 | | |
| PCB-203 | 48:14 | 1617353 | 0.91 | 0.9219 | 88.9 | 88.9 | 0.0242 | 0.0242 | | |
| PCB-195 | 49:33 | 1214333 | 0.90 | 0.7839 | 59.8 | 59.8 | 0.3562 | 0.3562 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:54 | 3187671 | 0.91 | 0.9282 | 132.5 | 132.5 | 0.3008 | 0.3008 | | |
| PCB-205 | 52:23 | 217835 | 0.85 | 1.2342 | 6.808 | 6.808 | 0.2262 | 0.2262 | | |
| S Total Nonachlorobipheny | | | | | 70.9 | 70.9 | 0.1436 | 0.1436 | | |
| D PCB-208L | 49:18 | 469411 | 0.77 | 1.1383 | 15.5 | 15.5 | 0.3175 | 0.3175 | 77.65 | |
| D PCB-206L | 54:07 | 331940 | 0.80 | 0.8938 | 14.0 | 14.0 | 0.4044 | 0.4044 | 69.93 | |
| PCB-208 | 49:19 | 337818 | 0.77 | 1.1567 | 12.4 | 12.4 | 0.1281 | 0.1281 | | |
| PCB-207 | 50:15 | 187922 | 0.80 | 1.3964 | 6.718 | 6.718 | 0.1249 | 0.1249 | | |
| PCB-206 | 54:08 | 1024867 | 0.79 | 1.1927 | 51.8 | 51.8 | 0.1779 | 0.1779 | | |
| D PCB-209L | 55:45 | 367802 | 0.71 | 0.9809 | 14.1 | 14.1 | 0.0726 | 0.0726 | 70.61 | |
| DCB Decachlorobiphenyl | 55:47 | 568416 | 0.69 | 1.2455 | 24.8 | 24.8 | 0.0348 | 0.0348 | | |
| S Polychlorinated bipheny | | | | | 17805 | 24.8 | 0.1623 | 0.1623 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d
Lims ID: 580-88908-A-26-C
Client ID: J5-SC1b-20to30-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 15:41:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-008
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 17:05:08 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0323

First Level Reviewer: nordquistj Date: 03-Oct-2019 17:05:08

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 12:00 | 12:00 | 15 | 0.739 | 258234 | 77881 | 252 | 630 | 309 | | M |
| 202.0766 | 12:00 | 12:00 | 15 | 0.739 | 80737 | 23738 | 1699 | 4247 | 14 | 3.20(2.66-3.60) | M |
| PCB-3L | | | | | | | | | | | M |
| 200.0795 | 14:04 | 14:00 | 11 | 0.867 | 360781 | 76724 | 252 | 630 | 304 | | |
| 202.0766 | 14:04 | 14:00 | 11 | 0.867 | 113834 | 23624 | 1699 | 4247 | 14 | 3.17(2.66-3.60) | M |
| PCB-1 | | | | | | | | | | | a |
| 188.0393 | 12:00 | 12:00 | 15 | 1.001 | 334999 | 103287 | 139 | 347 | 743 | | a |
| 190.0363 | 12:00 | 12:00 | 15 | 1.001 | 109208 | 33751 | 79 | 197 | 427 | 3.07(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | RQ |
| 188.0393 | 13:55 | 13:55 | 11 | 0.989 | 51784 | 11197 | 139 | 347 | 81 | | |
| | Empc Correction | | | | 44633 | 8936 | 139 | 347 | 64 | | |
| 190.0363 | 13:55 | 13:55 | 11 | 0.989 | 14260 | 2855 | 79 | 197 | 36 | 3.63(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:05 | 14:05 | 11 | 1.001 | 236961 | 52422 | 139 | 347 | 377 | | |
| 190.0363 | 14:05 | 14:05 | 11 | 1.001 | 74340 | 16015 | 79 | 197 | 203 | 3.19(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:19 | 14:15 | 9 | 0.881 | 130714 | 31482 | 433 | 1082 | 73 | | |
| 236.0376 | 14:19 | 14:15 | 9 | 0.881 | 81374 | 19189 | 147 | 367 | 131 | 1.61(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:14 | 16:07 | 7 | | 410259 | 100459 | 433 | 1082 | 232 | | |
| 236.0376 | 16:14 | 16:07 | 7 | | 246587 | 63097 | 147 | 367 | 429 | 1.66(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:05 | 20:09 | 4 | 1.237 | 333344 | 78124 | 433 | 1082 | 180 | | |
| 236.0376 | 20:05 | 20:09 | 4 | 1.237 | 200114 | 49169 | 147 | 367 | 334 | 1.67(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:19 | 14:19 | 9 | 1.001 | 105546 | 21727 | 107 | 267 | 203 | | |
| 223.9974 | 14:19 | 14:19 | 9 | 1.001 | 64934 | 13501 | 45 | 112 | 300 | 1.63(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | RQ |
| 222.0003 | 14:30 | 14:30 | 9 | 1.013 | 13198 | 2560 | 107 | 267 | 24 | | |
| | Empc Correction | | | | 11333 | 2577 | 107 | 267 | 24 | | |
| 223.9974 | 14:30 | 14:30 | 9 | 1.013 | 7265 | 1652 | 45 | 112 | 37 | 1.82(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | a |
| 222.0003 | 16:15 | 16:15 | 7 | 1.135 | 57254 | 14623 | 107 | 267 | 137 | | a |
| 223.9974 | 16:15 | 16:15 | 7 | 1.135 | 35209 | 8951 | 45 | 112 | 199 | 1.63(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | a |
| 222.0003 | 16:25 | 16:25 | 7 | 1.147 | 51951 | 13773 | 107 | 267 | 129 | | a |
| 223.9974 | 16:24 | 16:25 | 6 | 1.146 | 30384 | 8097 | 45 | 112 | 180 | 1.71(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | a |
| 222.0003 | 16:38 | 16:38 | 6 | 1.163 | 192325 | 49694 | 107 | 267 | 464 | | a |
| 223.9974 | 16:38 | 16:38 | 6 | 1.163 | 120864 | 32074 | 45 | 112 | 713 | 1.59(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | M |
| 222.0003 | 17:00 | 17:00 | 9 | 1.188 | 41014 | 15839 | 107 | 267 | 148 | | M |
| 223.9974 | 17:00 | 17:00 | 9 | 1.188 | 27697 | 10416 | 45 | 112 | 231 | 1.48(1.33-1.79) | M |
| PCB-8 | | | | | | | | | | | M |
| 222.0003 | 17:04 | 17:03 | 6 | 1.193 | 692508 | 183208 | 107 | 267 | 1712 | | M |
| 223.9974 | 17:03 | 17:03 | 5 | 1.192 | 441884 | 116424 | 45 | 112 | 2587 | 1.57(1.33-1.79) | M |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | | | | | | 107 | 267 | | | |
| 223.9974 | 18:38 | | | | | | 45 | 112 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:29 | 19:29 | 4 | 0.970 | 17968 | 4600 | 107 | 267 | 43 | | |
| 223.9974 | 19:29 | 19:29 | 5 | 0.971 | 11102 | 2781 | 45 | 112 | 62 | 1.62(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:48 | 1 | 0.984 | 67207 | 13715 | 107 | 267 | 128 | | |
| 223.9974 | 19:46 | 19:48 | 1 | 0.984 | 42552 | 8428 | 45 | 112 | 187 | 1.58(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:48 | 1 | 0.984 | 67207 | 13715 | 107 | 267 | 128 | | |
| 223.9974 | 19:46 | 19:48 | 1 | 0.984 | 42552 | 8428 | 45 | 112 | 187 | 1.58(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:06 | 5 | 1.001 | 273205 | 65046 | 107 | 267 | 608 | | |
| 223.9974 | 20:06 | 20:06 | 5 | 1.001 | 169277 | 40208 | 45 | 112 | 894 | 1.61(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:21 | 17:18 | 6 | 0.844 | 98997 | 26680 | 417 | 1042 | 64 | | |
| 269.9986 | 17:21 | 17:18 | 6 | 0.844 | 92107 | 23485 | 318 | 795 | 74 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:33 | 20:29 | 4 | | 258764 | 62948 | 417 | 1042 | 151 | | |
| 269.9986 | 20:33 | 20:29 | 4 | | 227881 | 57372 | 318 | 795 | 180 | 1.14(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:48 | 22:45 | 3 | | 548687 | 133161 | 557 | 1392 | 239 | | |
| 269.9986 | 22:48 | 22:45 | 3 | | 507369 | 119689 | 337 | 842 | 355 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:05 | 23:06 | 2 | 1.013 | 441135 | 105624 | 557 | 1392 | 190 | | |
| 269.9986 | 23:05 | 23:06 | 2 | 1.013 | 432429 | 101438 | 337 | 842 | 301 | 1.02(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:06 | 1 | 1.187 | 400578 | 86203 | 557 | 1392 | 155 | | |
| 269.9986 | 27:04 | 27:06 | 1 | 1.187 | 381891 | 84482 | 337 | 842 | 251 | 1.05(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:22 | 5 | 1.001 | 31804 | 7986 | 42 | 105 | 190 | | |
| 257.9584 | 17:21 | 17:22 | 5 | 1.001 | 33923 | 9064 | 45 | 112 | 201 | 0.94(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:13 | 5 | 1.106 | 460700 | 117267 | 42 | 105 | 2792 | | |
| 257.9584 | 19:11 | 19:13 | 5 | 1.106 | 426287 | 111907 | 45 | 112 | 2487 | 1.08(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:13 | 5 | 1.106 | 460700 | 117267 | 42 | 105 | 2792 | | |
| 257.9584 | 19:11 | 19:13 | 5 | 1.106 | 426287 | 111907 | 45 | 112 | 2487 | 1.08(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:37 | 19:40 | 4 | 1.131 | 253590 | 66069 | 42 | 105 | 1573 | | |
| 257.9584 | 19:37 | 19:40 | 4 | 1.131 | 239998 | 62738 | 45 | 112 | 1394 | 1.06(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | a |
| 255.9613 | 19:49 | 19:49 | 4 | 1.143 | 40176 | 10361 | 42 | 105 | 247 | | a |
| 257.9584 | 19:49 | 19:49 | 4 | 1.143 | 36931 | 9781 | 45 | 112 | 217 | 1.09(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | M |
| 255.9613 | 19:57 | 19:58 | 4 | 1.150 | 5655 | 1643 | 42 | 105 | 39 | | a |
| 257.9584 | 19:58 | 19:58 | 5 | 1.152 | 4708 | 1485 | 45 | 112 | 33 | 1.20(0.88-1.20) | M |
| PCB-16 | | | | | | | | | | | Ma |
| 255.9613 | 20:03 | 20:03 | 3 | 1.156 | 125810 | 32437 | 42 | 105 | 772 | | a |
| 257.9584 | 20:03 | 20:03 | 3 | 1.156 | 120234 | 31076 | 45 | 112 | 691 | 1.05(0.88-1.20) | M |
| PCB-32 | | | | | | | | | | | a |
| 255.9613 | 20:34 | 20:34 | 3 | 1.186 | 294404 | 74564 | 42 | 105 | 1775 | | a |
| 257.9584 | 20:34 | 20:34 | 3 | 1.186 | 282251 | 71435 | 45 | 112 | 1587 | 1.04(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | a |
| 255.9613 | 21:49 | 21:49 | 2 | 1.258 | 32384 | 8375 | 1096 | 2740 | 8 | | a |
| 257.9584 | 21:49 | 21:49 | 2 | 1.258 | 31367 | 7959 | 1098 | 2745 | 7 | 1.03(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | MU |
| 255.9613 | 22:03 | | | | | | 1096 | 2740 | | | |
| 257.9584 | 22:03 | | | | | | 1098 | 2745 | | | |
| PCB-26 | | | | | | | | | | | a |
| 255.9613 | 22:16 | 22:16 | 2 | 1.284 | 523121 | 127228 | 1096 | 2740 | 116 | | a |
| 257.9584 | 22:16 | 22:16 | 1 | 1.284 | 492853 | 118470 | 1098 | 2745 | 108 | 1.06(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | a |
| 255.9613 | 22:16 | 22:16 | 2 | 1.284 | 523121 | 127228 | 1096 | 2740 | 116 | | a |
| 257.9584 | 22:16 | 22:16 | 1 | 1.284 | 492853 | 118470 | 1098 | 2745 | 108 | 1.06(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:29 | 2 | 0.831 | 318746 | 71713 | 1096 | 2740 | 65 | | |
| 257.9584 | 22:30 | 22:29 | 2 | 0.831 | 295200 | 66905 | 1098 | 2745 | 61 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:47 | 2 | 0.843 | 1948872 | 475227 | 1096 | 2740 | 434 | | |
| 257.9584 | 22:48 | 22:47 | 2 | 0.843 | 1834650 | 454354 | 1098 | 2745 | 414 | 1.06(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:05 | 2 | 0.854 | 2551201 | 605227 | 1096 | 2740 | 552 | | |
| 257.9584 | 23:06 | 23:05 | 2 | 0.854 | 2408126 | 566423 | 1098 | 2745 | 516 | 1.06(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:05 | 2 | 0.854 | 2551201 | 605227 | 1096 | 2740 | 552 | | |
| 257.9584 | 23:06 | 23:05 | 2 | 0.854 | 2408126 | 566423 | 1098 | 2745 | 516 | 1.06(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:19 | 2 | 0.863 | 1179634 | 264665 | 1096 | 2740 | 241 | | |
| 257.9584 | 23:21 | 23:19 | 2 | 0.863 | 1097989 | 250834 | 1098 | 2745 | 228 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:19 | 2 | 0.863 | 1179634 | 264665 | 1096 | 2740 | 241 | | |
| 257.9584 | 23:21 | 23:19 | 2 | 0.863 | 1097989 | 250834 | 1098 | 2745 | 228 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:43 | 2 | 0.877 | 556567 | 133962 | 1096 | 2740 | 122 | | |
| 257.9584 | 23:44 | 23:43 | 2 | 0.877 | 520933 | 125124 | 1098 | 2745 | 114 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | MU |
| 255.9613 | 25:16 | | | | | | 1096 | 2740 | | | |
| 257.9584 | 25:16 | | | | | | 1098 | 2745 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:39 | 25:37 | 3 | 0.948 | 53810 | 9482 | 1096 | 2740 | 9 | | |
| 257.9584 | 25:39 | 25:37 | 3 | 0.948 | 50670 | 9310 | 1098 | 2745 | 8 | 1.06(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | MU |
| 255.9613 | 26:13 | | | | | | 1096 | 2740 | | | |
| 257.9584 | 26:13 | | | | | | 1098 | 2745 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:42 | 26:40 | 3 | 0.986 | 31708 | 8088 | 1096 | 2740 | 7 | | |
| 257.9584 | 26:41 | 26:40 | 2 | 0.986 | 31429 | 7627 | 1098 | 2745 | 7 | 1.01(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:05 | 27:04 | 2 | 1.001 | 462695 | 97408 | 1096 | 2740 | 89 | | |
| 257.9584 | 27:05 | 27:04 | 2 | 1.001 | 425794 | 89273 | 1098 | 2745 | 81 | 1.09(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:23 | 20:20 | 4 | 0.819 | 87183 | 23703 | 78 | 195 | 304 | | |
| 303.9597 | 20:23 | 20:20 | 4 | 0.819 | 118369 | 27534 | 31 | 77 | 888 | 0.74(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:53 | 1 | | 263953 | 61405 | 79 | 197 | 777 | | |
| 303.9597 | 24:55 | 24:53 | 2 | | 327090 | 77048 | 20 | 50 | 3852 | 0.81(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:49 | 33:48 | 2 | 1.358 | 267294 | 55852 | 79 | 197 | 707 | | |
| 303.9597 | 33:49 | 33:48 | 2 | 1.358 | 332756 | 72633 | 20 | 50 | 3632 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:22 | 34:22 | 2 | 1.381 | 270690 | 54208 | 79 | 197 | 686 | | |
| 303.9597 | 34:22 | 34:22 | 2 | 1.381 | 347708 | 68330 | 20 | 50 | 3417 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:21 | 3 | 1.000 | 38904 | 9815 | 16 | 40 | 613 | | |
| 291.9194 | 20:24 | 20:21 | 3 | 1.000 | 51022 | 13239 | 24 | 60 | 552 | 0.76(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:35 | 2 | 1.106 | 735094 | 177749 | 485 | 1212 | 366 | | |
| 291.9194 | 22:32 | 22:35 | 2 | 1.106 | 922925 | 221409 | 467 | 1167 | 474 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:35 | 2 | 1.106 | 735094 | 177749 | 485 | 1212 | 366 | | |
| 291.9194 | 22:32 | 22:35 | 2 | 1.106 | 922925 | 221409 | 467 | 1167 | 474 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:17 | 23:19 | 2 | 1.142 | 1232796 | 264179 | 485 | 1212 | 545 | | |
| 291.9194 | 23:17 | 23:19 | 2 | 1.142 | 1527170 | 332447 | 467 | 1167 | 712 | 0.81(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:17 | 23:19 | 2 | 1.142 | 1232796 | 264179 | 485 | 1212 | 545 | | |
| 291.9194 | 23:17 | 23:19 | 2 | 1.142 | 1527170 | 332447 | 467 | 1167 | 712 | 0.81(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:31 | 23:33 | 2 | 1.154 | 94230 | 22529 | 485 | 1212 | 46 | | |
| 291.9194 | 23:31 | 23:33 | 2 | 1.154 | 118530 | 28547 | 467 | 1167 | 61 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:55 | 24:58 | 2 | 1.223 | 8100165 | 1853771 | 485 | 1212 | 3822 | | |
| 291.9194 | 24:55 | 24:58 | 2 | 1.223 | 10150054 | 2320321 | 467 | 1167 | 4969 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | RQ |
| 289.9224 | 25:04 | 25:07 | 2 | 1.230 | 141560 | 22113 | 485 | 1212 | 46 | | |
| | Empc Correction | | | | 97083 | 23247 | 485 | 1212 | 48 | | |
| 291.9194 | 25:04 | 25:07 | 2 | 1.230 | 126082 | 30192 | 467 | 1167 | 65 | 1.12(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | RQ |
| 289.9224 | 25:04 | 25:07 | 2 | 1.230 | 141560 | 22113 | 485 | 1212 | 46 | | |
| | Empc Correction | | | | 97083 | 23247 | 485 | 1212 | 48 | | |
| 291.9194 | 25:04 | 25:07 | 2 | 1.230 | 126082 | 30192 | 467 | 1167 | 65 | 1.12(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:26 | 4 | 1.247 | 4771417 | 1109352 | 485 | 1212 | 2287 | | |
| 291.9194 | 25:25 | 25:26 | 4 | 1.247 | 5989748 | 1375036 | 467 | 1167 | 2944 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:26 | 4 | 1.247 | 4771417 | 1109352 | 485 | 1212 | 2287 | | |
| 291.9194 | 25:25 | 25:26 | 4 | 1.247 | 5989748 | 1375036 | 467 | 1167 | 2944 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:42 | 25:45 | 2 | 1.261 | 256594 | 59581 | 485 | 1212 | 123 | | |
| 291.9194 | 25:42 | 25:45 | 2 | 1.261 | 340182 | 77094 | 467 | 1167 | 165 | 0.75(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:59 | 3 | 1.274 | 6549954 | 994055 | 485 | 1212 | 2050 | | |
| 291.9194 | 25:57 | 25:59 | 3 | 1.274 | 8234170 | 1242266 | 467 | 1167 | 2660 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:59 | 3 | 1.274 | 6549954 | 994055 | 485 | 1212 | 2050 | | |
| 291.9194 | 25:57 | 25:59 | 3 | 1.274 | 8234170 | 1242266 | 467 | 1167 | 2660 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:59 | 3 | 1.274 | 6549954 | 994055 | 485 | 1212 | 2050 | | |
| 291.9194 | 25:57 | 25:59 | 3 | 1.274 | 8234170 | 1242266 | 467 | 1167 | 2660 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:17 | 4 | 1.289 | 249349 | 39323 | 485 | 1212 | 81 | | |
| 291.9194 | 26:16 | 26:17 | 4 | 1.289 | 322033 | 48930 | 467 | 1167 | 105 | 0.77(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:17 | 4 | 1.289 | 249349 | 39323 | 485 | 1212 | 81 | | |
| 291.9194 | 26:16 | 26:17 | 4 | 1.289 | 322033 | 48930 | 467 | 1167 | 105 | 0.77(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:17 | 4 | 1.289 | 249349 | 39323 | 485 | 1212 | 81 | | |
| 291.9194 | 26:16 | 26:17 | 4 | 1.289 | 322033 | 48930 | 467 | 1167 | 105 | 0.77(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | a |
| 289.9224 | 26:26 | 26:26 | 1 | 1.297 | 588254 | 132233 | 485 | 1212 | 273 | | a |
| 291.9194 | 26:26 | 26:26 | 1 | 1.297 | 756763 | 170000 | 467 | 1167 | 364 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:56 | 27:00 | 1 | 1.322 | 1501830 | 332153 | 485 | 1212 | 685 | | M |
| 291.9194 | 26:56 | 27:00 | 1 | 1.322 | 1903795 | 416485 | 467 | 1167 | 892 | 0.79(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 27:00 | 1 | 1.322 | 1501830 | 332153 | 485 | 1212 | 685 | | M |
| 291.9194 | 26:56 | 27:00 | 1 | 1.322 | 1903795 | 416485 | 467 | 1167 | 892 | 0.79(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 27:00 | 1 | 1.322 | 1501830 | 332153 | 485 | 1212 | 685 | | M |
| 291.9194 | 26:56 | 27:00 | 1 | 1.322 | 1903795 | 416485 | 467 | 1167 | 892 | 0.79(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | a |
| 289.9224 | 27:09 | 27:09 | 1 | 1.332 | 1283750 | 293342 | 485 | 1212 | 605 | | a |
| 291.9194 | 27:09 | 27:09 | 1 | 1.332 | 1619689 | 369616 | 467 | 1167 | 791 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:00 | 27:59 | 2 | 0.828 | 278017 | 64775 | 485 | 1212 | 134 | | |
| 291.9194 | 28:00 | 27:59 | 2 | 0.828 | 355214 | 81056 | 467 | 1167 | 174 | 0.78(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:16 | 28:16 | 1 | 0.836 | 205632 | 41468 | 485 | 1212 | 86 | | |
| 291.9194 | 28:17 | 28:16 | 2 | 0.837 | 243312 | 51588 | 467 | 1167 | 110 | 0.85(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | M |
| 289.9224 | 28:42 | 28:42 | 1 | 0.849 | 20909 | 5383 | 485 | 1212 | 11 | | M |
| 291.9194 | 28:42 | 28:42 | 1 | 0.849 | 29410 | 7671 | 467 | 1167 | 16 | 0.71(0.65-0.89) | M |
| PCB-58 | | | | | | | | | | | M |
| 289.9224 | 28:56 | 28:56 | 1 | 0.856 | 34667 | 10240 | 485 | 1212 | 21 | | M |
| 291.9194 | 28:56 | 28:56 | 1 | 0.856 | 42314 | 12119 | 467 | 1167 | 26 | 0.82(0.65-0.89) | M |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:06 | 29:06 | 1 | 0.861 | 136879 | 21560 | 485 | 1212 | 44 | | |
| 291.9194 | 29:06 | 29:06 | 1 | 0.861 | 166094 | 26038 | 467 | 1167 | 56 | 0.82(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:22 | 29:22 | 1 | 0.869 | 155340 | 34079 | 485 | 1212 | 70 | | |
| 291.9194 | 29:22 | 29:22 | 1 | 0.869 | 189768 | 41633 | 467 | 1167 | 89 | 0.82(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | 1 | 0.878 | 7658123 | 1337299 | 485 | 1212 | 2757 | | |
| 291.9194 | 29:41 | 29:42 | 1 | 0.878 | 9588151 | 1676910 | 467 | 1167 | 3591 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | 1 | 0.878 | 7658123 | 1337299 | 485 | 1212 | 2757 | | |
| 291.9194 | 29:41 | 29:42 | 1 | 0.878 | 9588151 | 1676910 | 467 | 1167 | 3591 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | 1 | 0.878 | 7658123 | 1337299 | 485 | 1212 | 2757 | | |
| 291.9194 | 29:41 | 29:42 | 1 | 0.878 | 9588151 | 1676910 | 467 | 1167 | 3591 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | 1 | 0.878 | 7658123 | 1337299 | 485 | 1212 | 2757 | | |
| 291.9194 | 29:41 | 29:42 | 1 | 0.878 | 9588151 | 1676910 | 467 | 1167 | 3591 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | M |
| 289.9224 | 30:01 | 30:01 | 1 | 0.888 | 3450072 | 706670 | 485 | 1212 | 1457 | | M |
| 291.9194 | 30:01 | 30:01 | 1 | 0.888 | 4333792 | 895826 | 467 | 1167 | 1918 | 0.80(0.65-0.89) | M |
| PCB-55 | | | | | | | | | | | M |
| 289.9224 | 30:07 | 30:07 | -2 | 0.891 | 33597 | 8754 | 485 | 1212 | 18 | | M |
| 291.9194 | 30:07 | 30:07 | -2 | 0.891 | 42939 | 10994 | 467 | 1167 | 24 | 0.78(0.65-0.89) | M |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:41 | 30:42 | 1 | 0.908 | 1065195 | 230145 | 485 | 1212 | 475 | | |
| 291.9194 | 30:41 | 30:42 | 1 | 0.907 | 1339306 | 286220 | 467 | 1167 | 613 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:54 | 30:54 | 1 | 0.914 | 210238 | 45073 | 485 | 1212 | 93 | | |
| 291.9194 | 30:54 | 30:54 | 1 | 0.914 | 263321 | 55555 | 467 | 1167 | 119 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | M |
| 289.9224 | 31:19 | 31:19 | 1 | 0.926 | 28466 | 5996 | 485 | 1212 | 12 | | M |
| 291.9194 | 31:19 | 31:19 | 1 | 0.926 | 35972 | 7408 | 467 | 1167 | 16 | 0.79(0.65-0.89) | M |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:51 | 32:51 | 2 | 0.971 | 237571 | 49057 | 485 | 1212 | 101 | | |
| 291.9194 | 32:51 | 32:51 | 2 | 0.971 | 298553 | 63378 | 467 | 1167 | 136 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:24 | | | | | | 485 | 1212 | | | |
| 291.9194 | 33:24 | | | | | | 467 | 1167 | | | |
| PCB-81 | | | | | | | | | | | RQM |
| 289.9224 | 33:47 | 33:47 | -1 | 0.999 | 16375 | 12168 | 485 | 1212 | 25 | | M |
| 291.9194 | 33:47 | 33:47 | -1 | 0.999 | 28214 | 17329 | 467 | 1167 | 37 | 0.58(0.65-0.89) | M |
| | Empc Correction | | | | 21266 | 15802 | 467 | 1167 | 34 | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:24 | 34:24 | 2 | 1.001 | 173214 | 36140 | 485 | 1212 | 75 | | |
| 291.9194 | 34:24 | 34:24 | 2 | 1.001 | 217688 | 44724 | 467 | 1167 | 96 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:50 | 2 | 0.814 | 265629 | 60750 | 56 | 140 | 1085 | | |
| 339.9178 | 25:51 | 25:50 | 2 | 0.814 | 169568 | 41323 | 14 | 35 | 2952 | 1.57(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:45 | 31:43 | 2 | | 273336 | 58904 | 56 | 140 | 1052 | | |
| 339.9178 | 31:44 | 31:43 | 1 | | 180713 | 35988 | 14 | 35 | 2571 | 1.51(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:26 | 34:26 | 2 | 1.085 | 292926 | 59868 | 56 | 140 | 1069 | | |
| 339.9178 | 34:26 | 34:26 | 2 | 1.085 | 184831 | 38257 | 14 | 35 | 2733 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:23 | 36:24 | 1 | 1.146 | 377538 | 77613 | 575 | 1437 | 135 | | |
| 339.9178 | 36:23 | 36:24 | 1 | 1.146 | 236258 | 46381 | 605 | 1512 | 77 | 1.60(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:43 | 36:43 | 1 | 1.156 | 383796 | 79926 | 575 | 1437 | 139 | | |
| 339.9178 | 36:43 | 36:43 | 1 | 1.156 | 254858 | 52421 | 605 | 1512 | 87 | 1.51(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:15 | 37:15 | 2 | 1.173 | 373535 | 73995 | 575 | 1437 | 129 | | |
| 339.9178 | 37:15 | 37:15 | 2 | 1.173 | 232738 | 47166 | 605 | 1512 | 78 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:53 | 37:53 | 2 | 1.193 | 370211 | 76413 | 575 | 1437 | 133 | | |
| 339.9178 | 37:53 | 37:53 | 2 | 1.193 | 237605 | 51639 | 605 | 1512 | 85 | 1.56(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:22 | 39:20 | 2 | | 492903 | 100212 | 575 | 1437 | 174 | | |
| 339.9178 | 39:22 | 39:20 | 2 | | 289835 | 62318 | 605 | 1512 | 103 | 1.70(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:59 | 40:58 | 2 | 1.291 | 386702 | 78528 | 575 | 1437 | 137 | | |
| 339.9178 | 40:59 | 40:58 | 2 | 1.291 | 217267 | 44254 | 605 | 1512 | 73 | 1.78(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | M |
| 325.8804 | 25:53 | 25:53 | 2 | 1.001 | 32412 | 7693 | 79 | 197 | 97 | | M |
| 327.8775 | 25:53 | 25:53 | 2 | 1.001 | 20673 | 4647 | 23 | 57 | 202 | 1.57(1.32-1.78) | M |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | 26:15 | 1 | 1.015 | 184532 | 43411 | 79 | 197 | 550 | | |
| 327.8775 | 26:14 | 26:15 | 1 | 1.015 | 118439 | 26462 | 23 | 57 | 1151 | 1.56(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:10 | 28:11 | 1 | 1.090 | 686548 | 150963 | 79 | 197 | 1911 | | |
| 327.8775 | 28:10 | 28:11 | 1 | 1.090 | 428604 | 94935 | 23 | 57 | 4128 | 1.60(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:23 | 28:24 | 1 | 1.098 | 199968 | 43784 | 79 | 197 | 554 | | |
| 327.8775 | 28:23 | 28:24 | 1 | 1.098 | 132115 | 28820 | 23 | 57 | 1253 | 1.51(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:50 | 28:51 | 1 | 1.115 | 10664263 | 2309759 | 79 | 197 | 29237 | | |
| 327.8775 | 28:50 | 28:51 | 1 | 1.115 | 6841697 | 1483176 | 23 | 57 | 64486 | 1.56(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:03 | 29:04 | 1 | 1.124 | 619490 | 131842 | 79 | 197 | 1669 | | |
| 327.8775 | 29:03 | 29:04 | 1 | 1.124 | 392893 | 82543 | 23 | 57 | 3589 | 1.58(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:03 | 29:04 | 1 | 1.124 | 619490 | 131842 | 79 | 197 | 1669 | | |
| 327.8775 | 29:03 | 29:04 | 1 | 1.124 | 392893 | 82543 | 23 | 57 | 3589 | 1.58(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:11 | 29:13 | 1 | 1.129 | 819655 | 154992 | 79 | 197 | 1962 | | |
| 327.8775 | 29:11 | 29:13 | 1 | 1.129 | 506657 | 96217 | 23 | 57 | 4183 | 1.62(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:11 | 29:13 | 1 | 1.129 | 819655 | 154992 | 79 | 197 | 1962 | | |
| 327.8775 | 29:11 | 29:13 | 1 | 1.129 | 506657 | 96217 | 23 | 57 | 4183 | 1.62(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:43 | 1 | 1.148 | 2426938 | 527515 | 79 | 197 | 6677 | | |
| 327.8775 | 29:41 | 29:43 | 1 | 1.148 | 1514738 | 328713 | 23 | 57 | 14292 | 1.60(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:43 | 1 | 1.148 | 2426938 | 527515 | 79 | 197 | 6677 | | |
| 327.8775 | 29:41 | 29:43 | 1 | 1.148 | 1514738 | 328713 | 23 | 57 | 14292 | 1.60(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | M |
| 325.8804 | 29:54 | 29:56 | 1 | 1.157 | 2448198 | 523704 | 79 | 197 | 6629 | | M |
| 327.8775 | 29:54 | 29:56 | 1 | 1.157 | 1551464 | 337109 | 23 | 57 | 14657 | 1.58(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | M |
| 325.8804 | 30:23 | 30:25 | 1 | 1.175 | 60962 | 12447 | 79 | 197 | 158 | | M |
| 327.8775 | 30:22 | 30:25 | 0 | 1.175 | 38517 | 8160 | 23 | 57 | 355 | 1.58(1.32-1.78) | M |
| PCB-121 | | | | | | | | | | | M |
| 325.8804 | 30:49 | 30:49 | 1 | 1.192 | 37801 | 8074 | 79 | 197 | 102 | | M |
| 327.8775 | 30:49 | 30:49 | 1 | 1.192 | 24330 | 5673 | 23 | 57 | 247 | 1.55(1.32-1.78) | M |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:11 | 31:11 | 1 | 0.857 | 3744282 | 804622 | 79 | 197 | 10185 | | |
| 327.8775 | 31:11 | 31:11 | 1 | 0.857 | 2362527 | 501514 | 23 | 57 | 21805 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:46 | 2 | 1.229 | 16098751 | 3350467 | 79 | 197 | 42411 | | |
| 327.8775 | 31:46 | 31:46 | 2 | 1.229 | 10242982 | 2136533 | 23 | 57 | 92893 | 1.57(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:46 | 2 | 1.229 | 16098751 | 3350467 | 79 | 197 | 42411 | | |
| 327.8775 | 31:46 | 31:46 | 2 | 1.229 | 10242982 | 2136533 | 23 | 57 | 92893 | 1.57(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:46 | 2 | 1.229 | 16098751 | 3350467 | 79 | 197 | 42411 | | |
| 327.8775 | 31:46 | 31:46 | 2 | 1.229 | 10242982 | 2136533 | 23 | 57 | 92893 | 1.57(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:21 | 32:22 | 1 | 1.251 | 8526466 | 1676142 | 79 | 197 | 21217 | | M |
| 327.8775 | 32:21 | 32:22 | 1 | 1.251 | 5544345 | 1090589 | 23 | 57 | 47417 | 1.54(1.32-1.78) | M |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:21 | 32:22 | 1 | 1.251 | 8526466 | 1676142 | 79 | 197 | 21217 | | M |
| 327.8775 | 32:21 | 32:22 | 1 | 1.251 | 5544345 | 1090589 | 23 | 57 | 47417 | 1.54(1.32-1.78) | M |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:28 | | | | | | 79 | 197 | | | |
| 327.8775 | 32:28 | | | | | | 23 | 57 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 2 | 1.271 | 8298964 | 921944 | 79 | 197 | 11670 | | M |
| 327.8775 | 32:51 | 32:51 | 2 | 1.271 | 5459674 | 593635 | 23 | 57 | 25810 | 1.52(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 2 | 1.271 | 8298964 | 921944 | 79 | 197 | 11670 | | M |
| 327.8775 | 32:51 | 32:51 | 2 | 1.271 | 5459674 | 593635 | 23 | 57 | 25810 | 1.52(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 2 | 1.271 | 8298964 | 921944 | 79 | 197 | 11670 | | M |
| 327.8775 | 32:51 | 32:51 | 2 | 1.271 | 5459674 | 593635 | 23 | 57 | 25810 | 1.52(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 2 | 1.271 | 8298964 | 921944 | 79 | 197 | 11670 | | M |
| 327.8775 | 32:51 | 32:51 | 2 | 1.271 | 5459674 | 593635 | 23 | 57 | 25810 | 1.52(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 2 | 1.271 | 8298964 | 921944 | 79 | 197 | 11670 | | M |
| 327.8775 | 32:51 | 32:51 | 2 | 1.271 | 5459674 | 593635 | 23 | 57 | 25810 | 1.52(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 2 | 1.271 | 8298964 | 921944 | 79 | 197 | 11670 | | M |
| 327.8775 | 32:51 | 32:51 | 2 | 1.271 | 5459674 | 593635 | 23 | 57 | 25810 | 1.52(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:35 | 2 | 1.299 | 1854302 | 293508 | 79 | 197 | 3715 | | |
| 327.8775 | 33:34 | 33:35 | 2 | 1.299 | 1159263 | 183795 | 23 | 57 | 7991 | 1.60(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:35 | 2 | 1.299 | 1854302 | 293508 | 79 | 197 | 3715 | | |
| 327.8775 | 33:34 | 33:35 | 2 | 1.299 | 1159263 | 183795 | 23 | 57 | 7991 | 1.60(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:35 | 2 | 1.299 | 1854302 | 293508 | 79 | 197 | 3715 | | |
| 327.8775 | 33:34 | 33:35 | 2 | 1.299 | 1159263 | 183795 | 23 | 57 | 7991 | 1.60(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:44 | 33:44 | -3 | 1.305 | 16847171 | 3484363 | 79 | 197 | 44106 | | a |
| 327.8775 | 33:44 | 33:44 | -3 | 1.305 | 10741838 | 2196967 | 23 | 57 | 95520 | 1.57(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:44 | 33:44 | -3 | 1.305 | 16847171 | 3484363 | 79 | 197 | 44106 | | a |
| 327.8775 | 33:44 | 33:44 | -3 | 1.305 | 10741838 | 2196967 | 23 | 57 | 95520 | 1.57(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:03 | 34:04 | 2 | 1.317 | 924118 | 175925 | 79 | 197 | 2227 | | |
| 327.8775 | 34:02 | 34:04 | 1 | 1.317 | 568834 | 112582 | 23 | 57 | 4895 | 1.62(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:27 | 34:28 | 1 | 1.333 | 88201 | 15014 | 79 | 197 | 190 | | |
| 327.8775 | 34:28 | 34:28 | 2 | 1.333 | 59691 | 9291 | 23 | 57 | 404 | 1.48(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:55 | 34:56 | 2 | 1.351 | 335769 | 64417 | 79 | 197 | 815 | | |
| 327.8775 | 34:55 | 34:56 | 2 | 1.351 | 204129 | 41165 | 23 | 57 | 1790 | 1.64(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:04 | 2 | 1.395 | 555224 | 112498 | 1491 | 3727 | 75 | | |
| 327.8775 | 36:03 | 36:04 | 2 | 1.395 | 355056 | 71870 | 871 | 2177 | 83 | 1.56(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:04 | 2 | 1.395 | 555224 | 112498 | 1491 | 3727 | 75 | | |
| 327.8775 | 36:03 | 36:04 | 2 | 1.395 | 355056 | 71870 | 871 | 2177 | 83 | 1.56(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:18 | 36:18 | 2 | 1.404 | 1722104 | 350456 | 1491 | 3727 | 235 | | M |
| 327.8775 | 36:18 | 36:18 | 2 | 1.404 | 1087679 | 222487 | 871 | 2177 | 255 | 1.58(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:25 | 36:25 | 2 | 1.001 | 201959 | 44996 | 1491 | 3727 | 30 | | M |
| 327.8775 | 36:25 | 36:25 | 2 | 1.001 | 129861 | 28728 | 871 | 2177 | 33 | 1.56(1.32-1.78) | a |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:31 | | | | | | 1491 | 3727 | | | |
| 327.8775 | 36:31 | | | | | | 871 | 2177 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:44 | 36:43 | 2 | 1.001 | 15454384 | 3073372 | 1491 | 3727 | 2061 | | |
| 327.8775 | 36:44 | 36:43 | 2 | 1.001 | 9904116 | 1954042 | 871 | 2177 | 2243 | 1.56(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:05 | 37:05 | 1 | 1.010 | 170249 | 32287 | 1491 | 3727 | 22 | | |
| 327.8775 | 37:05 | 37:05 | 1 | 1.010 | 112464 | 20546 | 871 | 2177 | 24 | 1.51(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:16 | 37:16 | 1 | 1.000 | 352005 | 59685 | 1491 | 3727 | 40 | | |
| 327.8775 | 37:16 | 37:16 | 1 | 1.000 | 221792 | 36706 | 871 | 2177 | 42 | 1.59(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:54 | 37:55 | 1 | 1.000 | 5080142 | 970602 | 1491 | 3727 | 651 | | |
| 327.8775 | 37:54 | 37:55 | 1 | 1.000 | 3226526 | 624653 | 871 | 2177 | 717 | 1.57(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | Ma |
| 325.8804 | 39:27 | 39:27 | 5 | 1.041 | 42634 | 7938 | 1491 | 3727 | 5 | | M |
| 327.8775 | 39:27 | 39:27 | 5 | 1.041 | 25425 | 4776 | 871 | 2177 | 5 | 1.68(1.32-1.78) | M |
| PCB-126 | | | | | | | | | | | RQM |
| 325.8804 | 41:00 | 41:01 | 2 | 1.001 | 18995 | 4393 | 1491 | 3727 | 3 | | M |
| 327.8775 | 41:01 | 41:01 | 3 | 1.001 | 15624 | 2950 | 871 | 2177 | 3 | 1.22(1.32-1.78) | M |
| | Empc Correction | | | | 12254 | 2834 | 871 | 2177 | 3 | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:32 | 31:32 | 1 | 0.791 | 219055 | 48167 | 12 | 30 | 4014 | | |
| 373.8788 | 31:31 | 31:32 | 1 | 0.791 | 180866 | 39013 | 8 | 20 | 4877 | 1.21(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:50 | 39:48 | 2 | | 289562 | 59531 | 153 | 382 | 389 | | |
| 373.8788 | 39:50 | 39:48 | 2 | | 234082 | 46279 | 98 | 245 | 472 | 1.24(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:51 | 42:52 | 1 | 1.076 | 297266 | 63738 | 153 | 382 | 417 | | |
| 373.8788 | 42:51 | 42:52 | 1 | 1.076 | 245833 | 51780 | 98 | 245 | 528 | 1.21(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:00 | 44:00 | 2 | 1.104 | 601425 | 91350 | 153 | 382 | 597 | | |
| 373.8788 | 44:00 | 44:00 | 2 | 1.104 | 460126 | 66377 | 98 | 245 | 677 | 1.31(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:00 | 44:00 | 2 | 1.104 | 601425 | 91350 | 153 | 382 | 597 | | |
| 373.8788 | 44:00 | 44:00 | 2 | 1.104 | 460126 | 66377 | 98 | 245 | 677 | 1.31(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:14 | 47:15 | 1 | 1.186 | 302932 | 58769 | 153 | 382 | 384 | | |
| 373.8788 | 47:14 | 47:15 | 1 | 1.186 | 250943 | 48393 | 98 | 245 | 494 | 1.21(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:33 | 31:33 | 1 | 1.000 | 8784 | 2117 | 15 | 37 | 141 | | |
| 361.8385 | 31:33 | 31:33 | 1 | 1.000 | 7505 | 1812 | 25 | 62 | 72 | 1.17(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:44 | 31:44 | 2 | 1.006 | 36806 | 7253 | 15 | 37 | 484 | | |
| 361.8385 | 31:43 | 31:44 | 1 | 1.006 | 30562 | 6803 | 25 | 62 | 272 | 1.20(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:54 | 31:55 | 1 | 1.012 | 191877 | 41347 | 15 | 37 | 2756 | | |
| 361.8385 | 31:54 | 31:55 | 1 | 1.012 | 156964 | 33075 | 25 | 62 | 1323 | 1.22(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | M |
| 359.8415 | 32:15 | 32:15 | 2 | 1.023 | 2789287 | 586977 | 15 | 37 | 39132 | | M |
| 361.8385 | 32:15 | 32:15 | 2 | 1.023 | 2194584 | 460691 | 25 | 62 | 18428 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | Ma |
| 359.8415 | 32:25 | 32:25 | -8 | 1.028 | 18441 | 1871 | 15 | 37 | 125 | | M |
| 361.8385 | 32:26 | 32:25 | -6 | 1.029 | 13902 | 1553 | 25 | 62 | 62 | 1.33(1.05-1.43) | M |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:05 | 34:05 | 1 | 1.081 | 148684 | 31344 | 15 | 37 | 2090 | | |
| 361.8385 | 34:05 | 34:05 | 1 | 1.081 | 119511 | 25395 | 25 | 62 | 1016 | 1.24(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:40 | 1 | 1.099 | 5287179 | 692406 | 15 | 37 | 46160 | | |
| 361.8385 | 34:39 | 34:40 | 1 | 1.099 | 4176857 | 547976 | 25 | 62 | 21919 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:40 | 1 | 1.099 | 5287179 | 692406 | 15 | 37 | 46160 | | |
| 361.8385 | 34:39 | 34:40 | 1 | 1.099 | 4176857 | 547976 | 25 | 62 | 21919 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:56 | 34:56 | 2 | 1.108 | 947980 | 197733 | 15 | 37 | 13182 | | |
| 361.8385 | 34:56 | 34:56 | 2 | 1.108 | 749384 | 153256 | 25 | 62 | 6130 | 1.27(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:13 | 35:14 | 1 | 1.117 | 448837 | 91139 | 15 | 37 | 6076 | | |
| 361.8385 | 35:13 | 35:14 | 1 | 1.117 | 356943 | 73016 | 25 | 62 | 2921 | 1.26(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:36 | 1 | 1.129 | 15756040 | 3220076 | 260 | 650 | 12385 | | |
| 361.8385 | 35:35 | 35:36 | 1 | 1.129 | 12543776 | 2558896 | 266 | 665 | 9620 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:36 | 1 | 1.129 | 15756040 | 3220076 | 260 | 650 | 12385 | | |
| 361.8385 | 35:35 | 35:36 | 1 | 1.129 | 12543776 | 2558896 | 266 | 665 | 9620 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:47 | 35:47 | -5 | 1.135 | 908697 | 167623 | 260 | 650 | 645 | | a |
| 361.8385 | 35:47 | 35:47 | -5 | 1.135 | 728156 | 136650 | 266 | 665 | 514 | 1.25(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:47 | 35:47 | -5 | 1.135 | 908697 | 167623 | 260 | 650 | 645 | | a |
| 361.8385 | 35:47 | 35:47 | -5 | 1.135 | 728156 | 136650 | 266 | 665 | 514 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | M |
| 359.8415 | 36:11 | 36:12 | 1 | 1.148 | 478411 | 89027 | 260 | 650 | 342 | | |
| 361.8385 | 36:11 | 36:12 | 1 | 1.148 | 383522 | 71161 | 266 | 665 | 268 | 1.25(1.05-1.43) | M |
| PCB-140 (C139) | | | | | | | | | | | M |
| 359.8415 | 36:11 | 36:12 | 1 | 1.148 | 478411 | 89027 | 260 | 650 | 342 | | |
| 361.8385 | 36:11 | 36:12 | 1 | 1.148 | 383522 | 71161 | 266 | 665 | 268 | 1.25(1.05-1.43) | M |
| PCB-131 | | | | | | | | | | | M |
| 359.8415 | 36:23 | 36:24 | 1 | 1.154 | 166625 | 32935 | 260 | 650 | 127 | | M |
| 361.8385 | 36:23 | 36:24 | 1 | 1.154 | 126833 | 26366 | 266 | 665 | 99 | 1.31(1.05-1.43) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-142 | | | | | | | | | | | RQM |
| 359.8415 | 36:32 | 36:32 | 0 | 1.159 | 7964 | 1337 | 260 | 650 | 5 | | M |
| | Empc Correction | | | | 6185 | 995 | 260 | 650 | 4 | | |
| 361.8385 | 36:32 | 36:32 | 0 | 1.159 | 4988 | 803 | 266 | 665 | 3 | 1.60(1.05-1.43) | M |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:51 | 36:51 | 1 | 1.168 | 4857849 | 1002678 | 260 | 650 | 3856 | | |
| 361.8385 | 36:51 | 36:51 | 1 | 1.168 | 3885777 | 805902 | 266 | 665 | 3030 | 1.25(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:22 | 37:22 | 2 | 1.185 | 554638 | 112576 | 260 | 650 | 433 | | |
| 361.8385 | 37:22 | 37:22 | 2 | 1.185 | 441605 | 89873 | 266 | 665 | 338 | 1.26(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | M |
| 359.8415 | 37:45 | 37:45 | 2 | 0.881 | 37613 | 7658 | 260 | 650 | 29 | | M |
| 361.8385 | 37:45 | 37:45 | 2 | 0.881 | 31748 | 6520 | 266 | 665 | 25 | 1.18(1.05-1.43) | M |
| PCB-146 | | | | | | | | | | | M |
| 359.8415 | 38:00 | 38:00 | 1 | 0.887 | 4886600 | 1008213 | 260 | 650 | 3878 | | M |
| 361.8385 | 38:00 | 38:00 | 1 | 0.887 | 3889457 | 804743 | 266 | 665 | 3025 | 1.26(1.05-1.43) | M |
| PCB-161 | | | | | | | | | | | RQM |
| 359.8415 | 38:13 | 38:17 | 6 | 0.892 | 8915 | 1347 | 260 | 650 | 5 | | M |
| | Empc Correction | | | | 6377 | 1035 | 260 | 650 | 4 | | |
| 361.8385 | 38:17 | 38:17 | 10 | 0.893 | 5143 | 835 | 266 | 665 | 3 | 1.73(1.05-1.43) | M |
| PCB-153 | | | | | | | | | | | M |
| 359.8415 | 38:37 | 38:37 | 0 | 0.901 | 17316530 | 3510744 | 260 | 650 | 13503 | | |
| 361.8385 | 38:37 | 38:37 | 0 | 0.901 | 13839526 | 2787520 | 266 | 665 | 10479 | 1.25(1.05-1.43) | M |
| PCB-168 (C153) | | | | | | | | | | | M |
| 359.8415 | 38:37 | 38:37 | 0 | 0.901 | 17316530 | 3510744 | 260 | 650 | 13503 | | |
| 361.8385 | 38:37 | 38:37 | 0 | 0.901 | 13839526 | 2787520 | 266 | 665 | 10479 | 1.25(1.05-1.43) | M |
| PCB-141 | | | | | | | | | | | M |
| 359.8415 | 38:48 | 38:48 | 1 | 0.906 | 2265852 | 446763 | 260 | 650 | 1718 | | |
| 361.8385 | 38:48 | 38:48 | 1 | 0.906 | 1795529 | 350112 | 266 | 665 | 1316 | 1.26(1.05-1.43) | M |
| PCB-130 | | | | | | | | | | | M |
| 359.8415 | 39:13 | 39:13 | 1 | 0.915 | 870718 | 171559 | 260 | 650 | 660 | | |
| 361.8385 | 39:13 | 39:13 | 1 | 0.915 | 692596 | 139063 | 266 | 665 | 523 | 1.26(1.05-1.43) | M |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:27 | 39:26 | 2 | 0.921 | 560237 | 118638 | 260 | 650 | 456 | | |
| 361.8385 | 39:27 | 39:26 | 2 | 0.921 | 450979 | 93865 | 266 | 665 | 353 | 1.24(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:34 | 39:33 | 2 | 0.923 | 1404439 | 274129 | 260 | 650 | 1054 | | |
| 361.8385 | 39:34 | 39:33 | 2 | 0.923 | 1114343 | 215740 | 266 | 665 | 811 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:52 | 1 | 0.930 | 15242738 | 2888802 | 260 | 650 | 11111 | | |
| 361.8385 | 39:52 | 39:52 | 1 | 0.930 | 12206741 | 2328080 | 266 | 665 | 8752 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:52 | 1 | 0.930 | 15242738 | 2888802 | 260 | 650 | 11111 | | |
| 361.8385 | 39:52 | 39:52 | 1 | 0.930 | 12206741 | 2328080 | 266 | 665 | 8752 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:52 | 1 | 0.930 | 15242738 | 2888802 | 260 | 650 | 11111 | | |
| 361.8385 | 39:52 | 39:52 | 1 | 0.930 | 12206741 | 2328080 | 266 | 665 | 8752 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:52 | 1 | 0.930 | 15242738 | 2888802 | 260 | 650 | 11111 | | |
| 361.8385 | 39:52 | 39:52 | 1 | 0.930 | 12206741 | 2328080 | 266 | 665 | 8752 | 1.25(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:15 | 40:15 | 2 | 0.940 | 1763854 | 337756 | 260 | 650 | 1299 | | |
| 361.8385 | 40:15 | 40:15 | 2 | 0.940 | 1402250 | 267133 | 266 | 665 | 1004 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | M |
| 359.8415 | 41:07 | 41:06 | 3 | 0.960 | 2256646 | 388900 | 260 | 650 | 1496 | | M |
| 361.8385 | 41:07 | 41:06 | 3 | 0.960 | 1779446 | 309463 | 266 | 665 | 1163 | 1.27(1.05-1.43) | M |
| PCB-166 (C128) | | | | | | | | | | | M |
| 359.8415 | 41:07 | 41:06 | 3 | 0.960 | 2256646 | 388900 | 260 | 650 | 1496 | | M |
| 361.8385 | 41:07 | 41:06 | 3 | 0.960 | 1779446 | 309463 | 266 | 665 | 1163 | 1.27(1.05-1.43) | M |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:04 | 42:06 | 0 | 0.982 | 232223 | 45066 | 260 | 650 | 173 | | |
| 361.8385 | 42:04 | 42:06 | 0 | 0.982 | 185080 | 35158 | 266 | 665 | 132 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | M |
| 359.8415 | 42:24 | 42:24 | 2 | 0.990 | 55912 | 11495 | 260 | 650 | 44 | | M |
| 361.8385 | 42:24 | 42:24 | 2 | 0.990 | 40282 | 9429 | 266 | 665 | 35 | 1.39(1.05-1.43) | M |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:52 | 42:52 | 1 | 1.001 | 605947 | 119332 | 260 | 650 | 459 | | |
| 361.8385 | 42:52 | 42:52 | 1 | 1.001 | 483623 | 96323 | 266 | 665 | 362 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:00 | 44:01 | 1 | 1.000 | 1884595 | 337946 | 260 | 650 | 1300 | | |
| 361.8385 | 44:00 | 44:01 | 1 | 1.000 | 1511822 | 268913 | 266 | 665 | 1011 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:00 | 44:01 | 1 | 1.000 | 1884595 | 337946 | 260 | 650 | 1300 | | |
| 361.8385 | 44:00 | 44:01 | 1 | 1.000 | 1511822 | 268913 | 266 | 665 | 1011 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | M |
| 359.8415 | 47:12 | 47:12 | -1 | 0.999 | 31977 | 6396 | 260 | 650 | 25 | | M |
| 361.8385 | 47:12 | 47:12 | -1 | 0.999 | 28877 | 5752 | 266 | 665 | 22 | 1.11(1.05-1.43) | M |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:15 | 37:15 | 1 | 0.820 | 246195 | 49608 | 49 | 122 | 1012 | | |
| 407.8398 | 37:15 | 37:15 | 1 | 0.820 | 226716 | 46206 | 6 | 15 | 7701 | 1.09(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:18 | 40:18 | 1 | 0.888 | 180145 | 37555 | 49 | 122 | 766 | | |
| 407.8398 | 40:18 | 40:18 | 1 | 0.888 | 175829 | 35218 | 6 | 15 | 5870 | 1.02(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:24 | 45:22 | 1 | | 254712 | 51289 | 49 | 122 | 1047 | | |
| 407.8398 | 45:24 | 45:22 | 1 | | 224798 | 44459 | 6 | 15 | 7410 | 1.13(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:39 | 46:38 | 2 | 1.028 | 158682 | 30342 | 49 | 122 | 619 | | |
| 407.8398 | 46:39 | 46:38 | 2 | 1.028 | 150460 | 29993 | 6 | 15 | 4999 | 1.05(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:46 | 49:46 | 2 | 1.096 | 347669 | 68591 | 497 | 1242 | 138 | | |
| 407.8398 | 49:46 | 49:46 | 2 | 1.096 | 321857 | 61832 | 515 | 1287 | 120 | 1.08(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:16 | 37:16 | 2 | 1.001 | 33419 | 6811 | 16 | 40 | 426 | | |
| 395.7995 | 37:16 | 37:16 | 2 | 1.001 | 31472 | 6330 | 10 | 25 | 633 | 1.06(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:36 | 37:36 | 1 | 1.009 | 2220483 | 449914 | 16 | 40 | 28120 | | |
| 395.7995 | 37:36 | 37:36 | 1 | 1.009 | 2107179 | 427924 | 10 | 25 | 42792 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | M |
| 393.8025 | 38:08 | 38:07 | 1 | 1.024 | 6301 | 1318 | 16 | 40 | 82 | | M |
| 395.7995 | 38:07 | 38:07 | 0 | 1.024 | 5322 | 1039 | 10 | 25 | 104 | 1.18(0.89-1.21) | M |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:29 | 38:29 | 1 | 1.033 | 592220 | 118188 | 16 | 40 | 7387 | | |
| 395.7995 | 38:29 | 38:29 | 1 | 1.033 | 552938 | 111660 | 10 | 25 | 11166 | 1.07(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:56 | | | | | | 16 | 40 | | | |
| 395.7995 | 38:56 | | | | | | 10 | 25 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:19 | 40:19 | 1 | 1.083 | 772409 | 153197 | 16 | 40 | 9575 | | |
| 395.7995 | 40:19 | 40:19 | 1 | 1.083 | 732419 | 150476 | 10 | 25 | 15048 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:58 | 40:57 | 2 | 1.100 | 127789 | 25271 | 16 | 40 | 1579 | | |
| 395.7995 | 40:58 | 40:57 | 2 | 1.100 | 118050 | 22721 | 10 | 25 | 2272 | 1.08(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:14 | 41:13 | 2 | 1.107 | 4520680 | 882336 | 16 | 40 | 55146 | | |
| 395.7995 | 41:13 | 41:13 | 1 | 1.107 | 4284382 | 845707 | 10 | 25 | 84571 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:26 | 41:26 | 1 | 1.112 | 54814 | 10706 | 16 | 40 | 669 | | |
| 395.7995 | 41:26 | 41:26 | 1 | 1.112 | 51916 | 8440 | 10 | 25 | 844 | 1.06(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:50 | 41:50 | 1 | 1.123 | 2092350 | 363139 | 16 | 40 | 22696 | | |
| 395.7995 | 41:50 | 41:50 | 1 | 1.123 | 1975430 | 336246 | 10 | 25 | 33625 | 1.06(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:50 | 41:50 | 1 | 1.123 | 2092350 | 363139 | 16 | 40 | 22696 | | |
| 395.7995 | 41:50 | 41:50 | 1 | 1.123 | 1975430 | 336246 | 10 | 25 | 33625 | 1.06(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:04 | 42:04 | 1 | 1.130 | 2755511 | 545102 | 16 | 40 | 34069 | | |
| 395.7995 | 42:04 | 42:04 | 1 | 1.130 | 2604621 | 519900 | 10 | 25 | 51990 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:30 | 42:30 | 1 | 1.141 | 1868710 | 365495 | 16 | 40 | 22843 | | |
| 395.7995 | 42:30 | 42:30 | 1 | 1.141 | 1774232 | 350095 | 10 | 25 | 35010 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:55 | 42:55 | 1 | 1.152 | 32310 | 6257 | 16 | 40 | 391 | | |
| 395.7995 | 42:55 | 42:55 | 1 | 1.152 | 28631 | 5127 | 10 | 25 | 513 | 1.13(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:08 | 43:07 | 2 | 1.158 | 823182 | 157502 | 16 | 40 | 9844 | | |
| 395.7995 | 43:08 | 43:07 | 2 | 1.158 | 778067 | 149781 | 10 | 25 | 14978 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:08 | 43:07 | 2 | 1.158 | 823182 | 157502 | 16 | 40 | 9844 | | |
| 395.7995 | 43:08 | 43:07 | 2 | 1.158 | 778067 | 149781 | 10 | 25 | 14978 | 1.06(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:46 | 44:47 | 1 | 0.900 | 458422 | 90332 | 16 | 40 | 5646 | | |
| 395.7995 | 44:46 | 44:47 | 1 | 0.900 | 437120 | 86101 | 10 | 25 | 8610 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:03 | | | | | | 16 | 40 | | | |
| 395.7995 | 45:03 | | | | | | 10 | 25 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:23 | 4 | 0.913 | 7177500 | 1343806 | 16 | 40 | 83988 | | |
| 395.7995 | 45:25 | 45:23 | 4 | 0.913 | 6795573 | 1269307 | 10 | 25 | 126931 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:23 | 4 | 0.913 | 7177500 | 1343806 | 16 | 40 | 83988 | | |
| 395.7995 | 45:25 | 45:23 | 4 | 0.913 | 6795573 | 1269307 | 10 | 25 | 126931 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:47 | 45:46 | 2 | 0.920 | 161902 | 29201 | 16 | 40 | 1825 | | |
| 395.7995 | 45:47 | 45:46 | 2 | 0.920 | 152532 | 27891 | 10 | 25 | 2789 | 1.06(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:40 | 46:40 | 1 | 0.938 | 2511761 | 488510 | 16 | 40 | 30532 | | |
| 395.7995 | 46:40 | 46:40 | 1 | 0.938 | 2375074 | 461413 | 10 | 25 | 46141 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:11 | 47:12 | 1 | 0.948 | 728099 | 139726 | 16 | 40 | 8733 | | |
| 395.7995 | 47:11 | 47:12 | 1 | 0.948 | 704699 | 137934 | 10 | 25 | 13793 | 1.03(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:47 | 49:48 | 1 | 1.000 | 205199 | 39439 | 143 | 357 | 276 | | |
| 395.7995 | 49:48 | 49:48 | 2 | 1.001 | 191302 | 35950 | 136 | 340 | 264 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:37 | 42:38 | 1 | 0.822 | 191248 | 37583 | 40 | 100 | 940 | | |
| 441.8008 | 42:37 | 42:38 | 1 | 0.822 | 203313 | 40278 | 31 | 77 | 1299 | 0.94(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:53 | 51:51 | 2 | | 255187 | 49036 | 342 | 855 | 143 | | |
| 441.8008 | 51:53 | 51:51 | 2 | | 275890 | 52610 | 320 | 800 | 164 | 0.92(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:21 | 52:22 | 1 | 1.009 | 244459 | 43810 | 342 | 855 | 128 | | |
| 441.8008 | 52:21 | 52:22 | 1 | 1.009 | 274013 | 52183 | 320 | 800 | 163 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:38 | 42:38 | 1 | 1.000 | 292886 | 58071 | 17 | 42 | 3416 | | |
| 429.7606 | 42:39 | 42:38 | 2 | 1.001 | 324629 | 63000 | 18 | 45 | 3500 | 0.90(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:34 | 43:34 | 1 | 1.022 | 215080 | 44049 | 17 | 42 | 2591 | | |
| 429.7606 | 43:34 | 43:34 | 1 | 1.022 | 237184 | 48584 | 18 | 45 | 2699 | 0.91(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:15 | | | | | | 17 | 42 | | | |
| 429.7606 | 44:15 | | | | | | 18 | 45 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-197 | | | | | | | | | | | RQ |
| 427.7635 | 44:28 | 44:28 | 1 | 1.043 | 66575 | 14146 | 17 | 42 | 832 | | |
| | Empc Correction | | | | 56280 | 14179 | 17 | 42 | 834 | | |
| 429.7606 | 44:28 | 44:28 | 1 | 1.043 | 63236 | 15932 | 18 | 45 | 885 | 1.05(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:34 | 44:34 | 1 | 1.046 | 203530 | 39850 | 17 | 42 | 2344 | | |
| 429.7606 | 44:34 | 44:34 | 1 | 1.046 | 236309 | 45204 | 18 | 45 | 2511 | 0.86(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:22 | 3 | 1.112 | 1167240 | 216324 | 17 | 42 | 12725 | | |
| 429.7606 | 47:23 | 47:22 | 3 | 1.112 | 1311917 | 247415 | 18 | 45 | 13745 | 0.89(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:22 | 3 | 1.112 | 1167240 | 216324 | 17 | 42 | 12725 | | |
| 429.7606 | 47:23 | 47:22 | 3 | 1.112 | 1311917 | 247415 | 18 | 45 | 13745 | 0.89(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:02 | 48:02 | 1 | 0.918 | 579240 | 114429 | 17 | 42 | 6731 | | |
| 429.7606 | 48:02 | 48:02 | 1 | 0.918 | 638124 | 124331 | 18 | 45 | 6907 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:14 | 48:14 | 1 | 0.921 | 771470 | 150611 | 17 | 42 | 8859 | | |
| 429.7606 | 48:14 | 48:14 | 1 | 0.921 | 845883 | 164406 | 18 | 45 | 9134 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:33 | 49:33 | 1 | 0.947 | 574874 | 109624 | 373 | 932 | 294 | | |
| 429.7606 | 49:33 | 49:33 | 1 | 0.947 | 639459 | 120852 | 163 | 407 | 741 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:54 | 51:54 | 2 | 0.991 | 1520021 | 292306 | 373 | 932 | 784 | | |
| 429.7606 | 51:54 | 51:54 | 2 | 0.991 | 1667650 | 319037 | 163 | 407 | 1957 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:23 | 52:22 | 2 | 1.000 | 99993 | 19795 | 373 | 932 | 53 | | |
| 429.7606 | 52:23 | 52:22 | 2 | 1.000 | 117842 | 22246 | 163 | 407 | 136 | 0.85(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:18 | 49:19 | 1 | 0.950 | 203730 | 38293 | 316 | 790 | 121 | | |
| 475.7619 | 49:18 | 49:19 | 1 | 0.950 | 265681 | 52437 | 419 | 1047 | 125 | 0.77(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:07 | 54:07 | 1 | 1.043 | 147896 | 29413 | 316 | 790 | 93 | | |
| 475.7619 | 54:07 | 54:07 | 1 | 1.043 | 184044 | 33928 | 419 | 1047 | 81 | 0.80(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:19 | 49:19 | 1 | 1.001 | 147212 | 27932 | 68 | 170 | 411 | | |
| 463.7216 | 49:19 | 49:19 | 1 | 1.001 | 190606 | 38367 | 201 | 502 | 191 | 0.77(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:15 | 50:15 | 1 | 1.019 | 83492 | 16103 | 68 | 170 | 237 | | |
| 463.7216 | 50:15 | 50:15 | 1 | 1.019 | 104430 | 20059 | 201 | 502 | 100 | 0.80(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:08 | 54:07 | 2 | 1.000 | 451214 | 87390 | 68 | 170 | 1285 | | |
| 463.7216 | 54:08 | 54:07 | 2 | 1.000 | 573653 | 110843 | 201 | 502 | 551 | 0.79(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:45 | 55:46 | 1 | 1.075 | 152763 | 26925 | 72 | 180 | 374 | | |
| 509.7229 | 55:45 | 55:46 | 1 | 1.075 | 215039 | 39913 | 73 | 182 | 547 | 0.71(0.59-0.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:47 | 55:47 | 1 | 1.000 | 232049 | 41166 | 30 | 75 | 1372 | | |
| 497.6826 | 55:47 | 55:47 | 1 | 1.000 | 336367 | 60190 | 28 | 70 | 2150 | 0.69(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

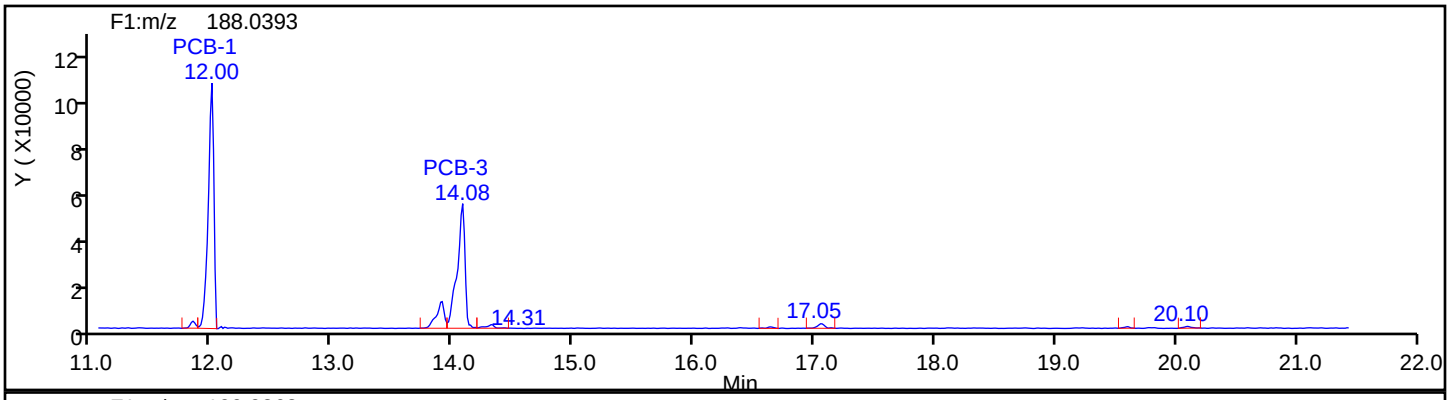
U - Marked Undetected

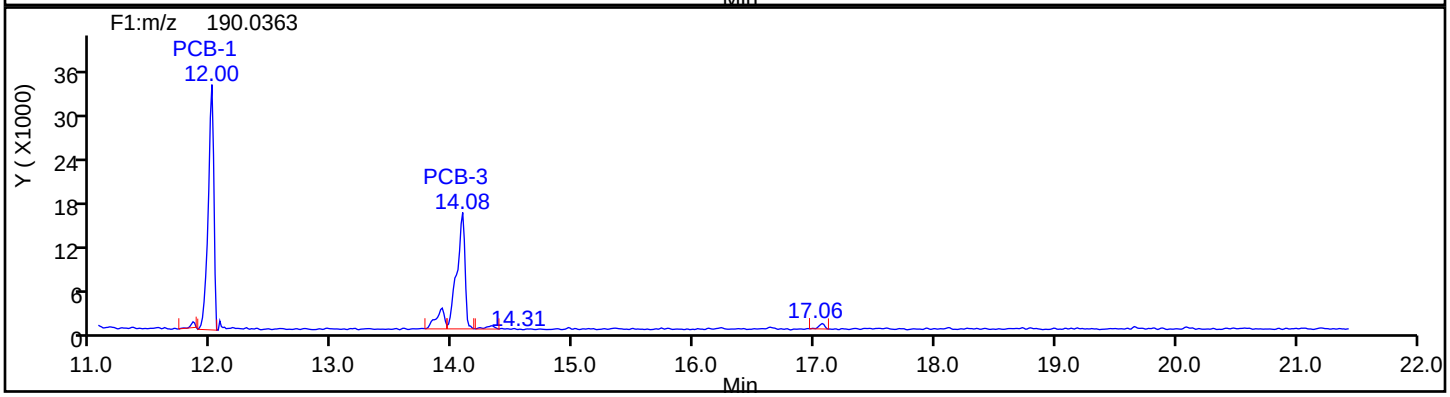
a - User Assigned ID

Eurofins TestAmerica, Knoxville

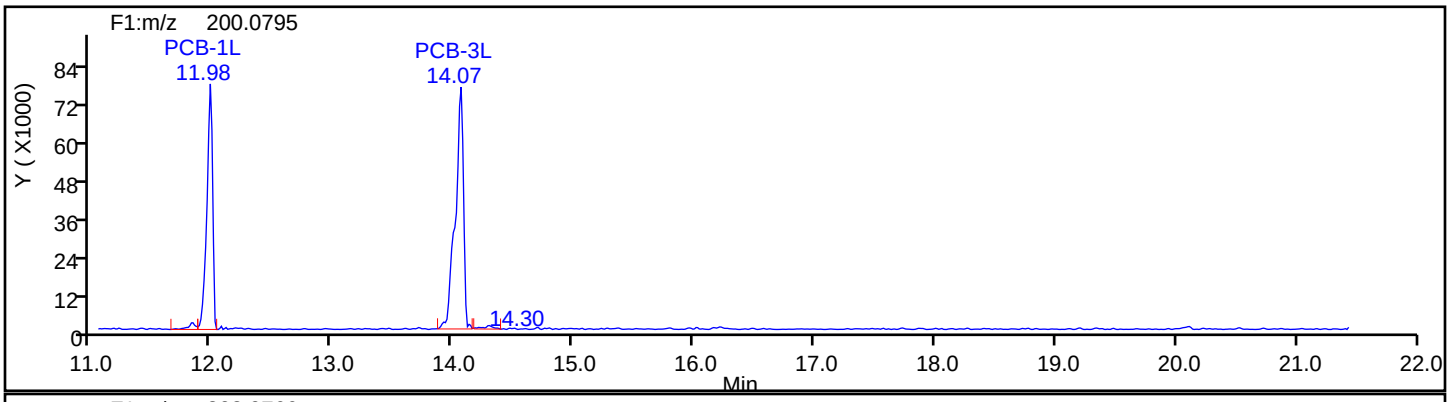
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

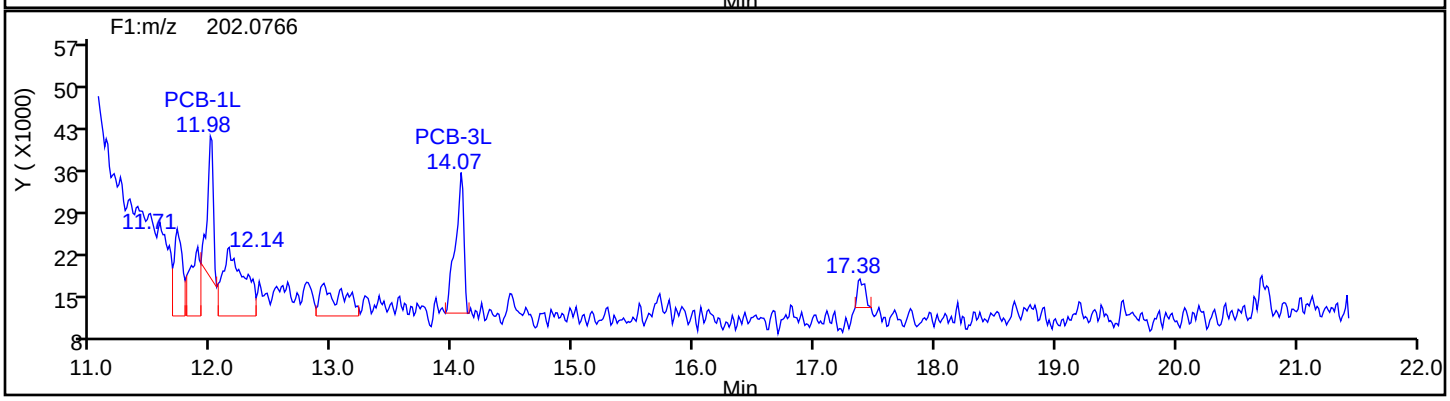
MoPCB F1




MoPCB F1 Standards

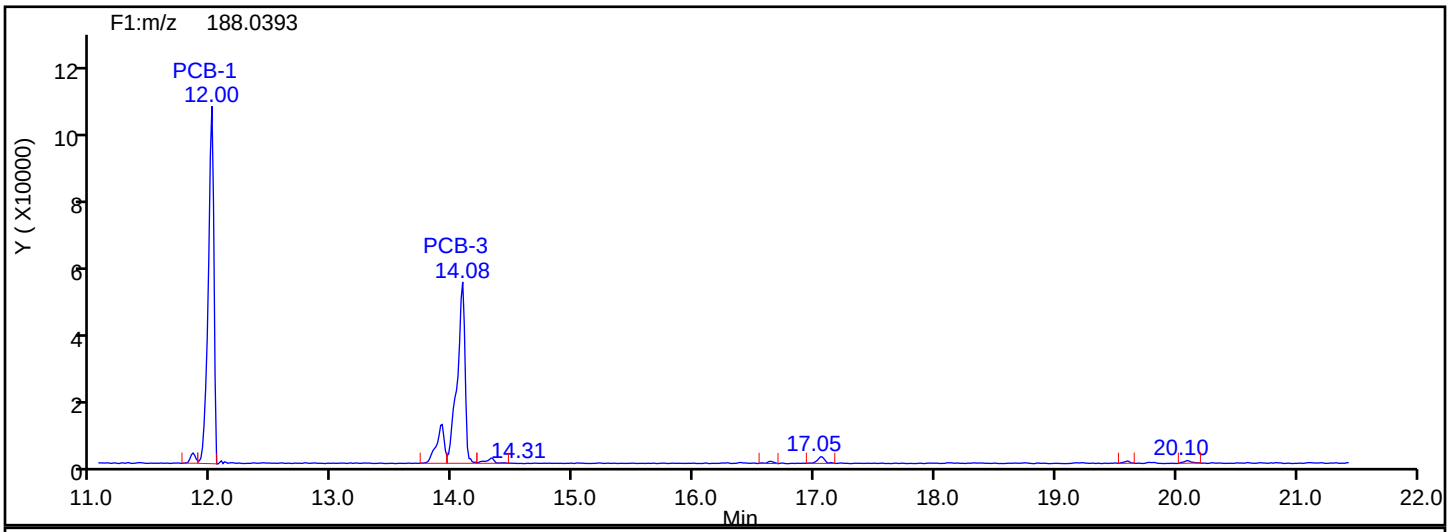


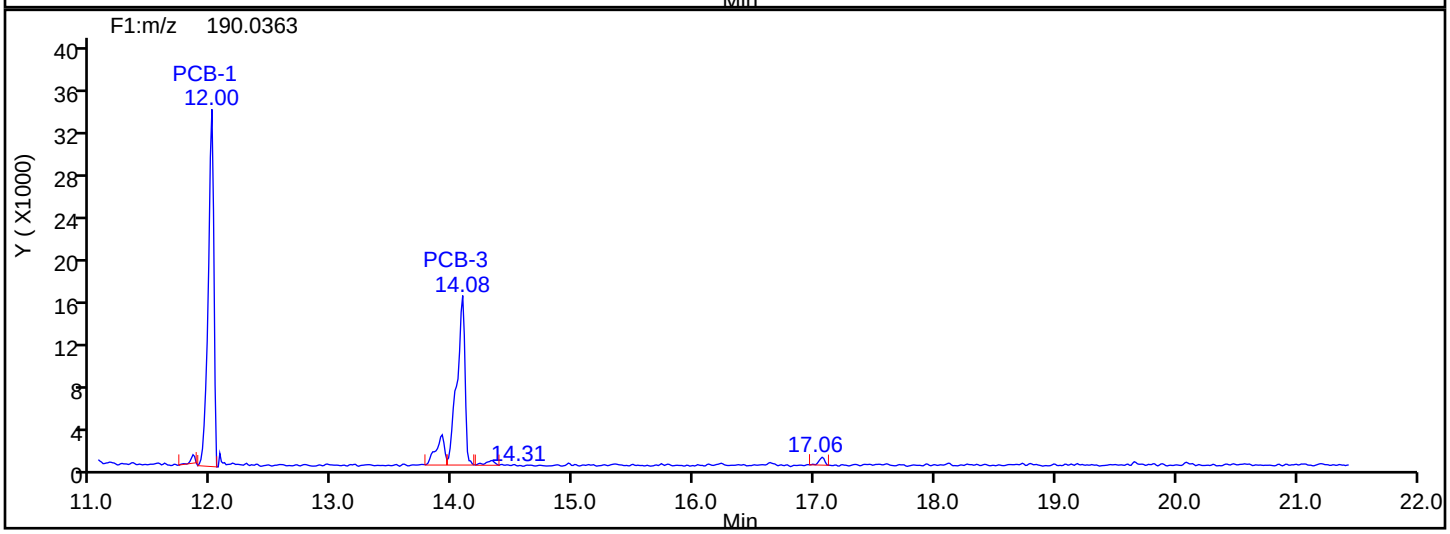



Eurofins TestAmerica, Knoxville

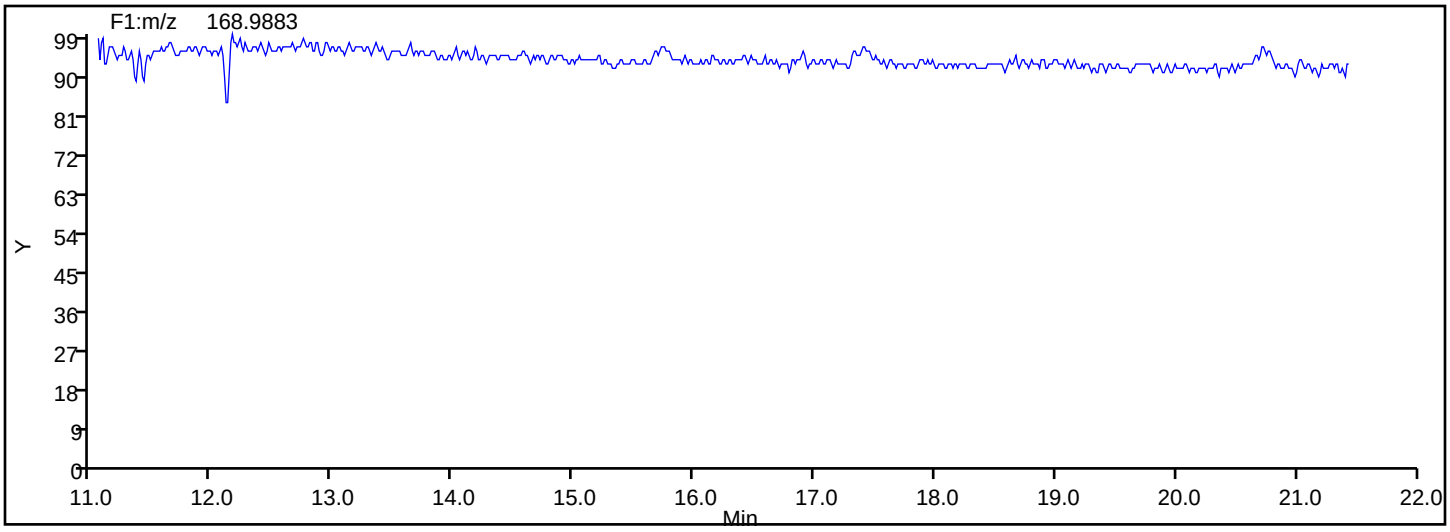
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

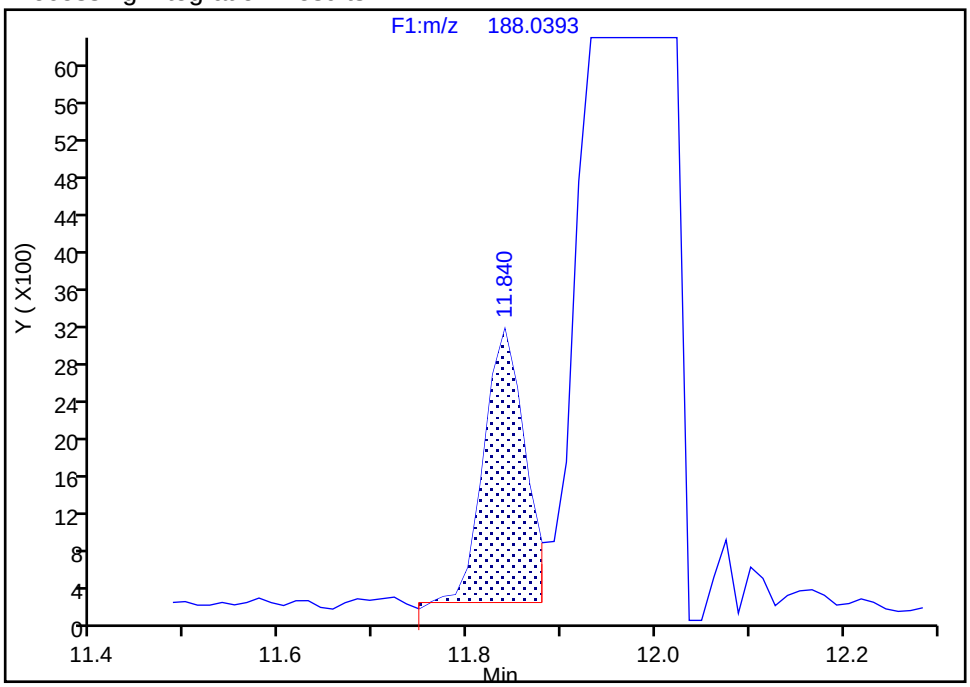
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

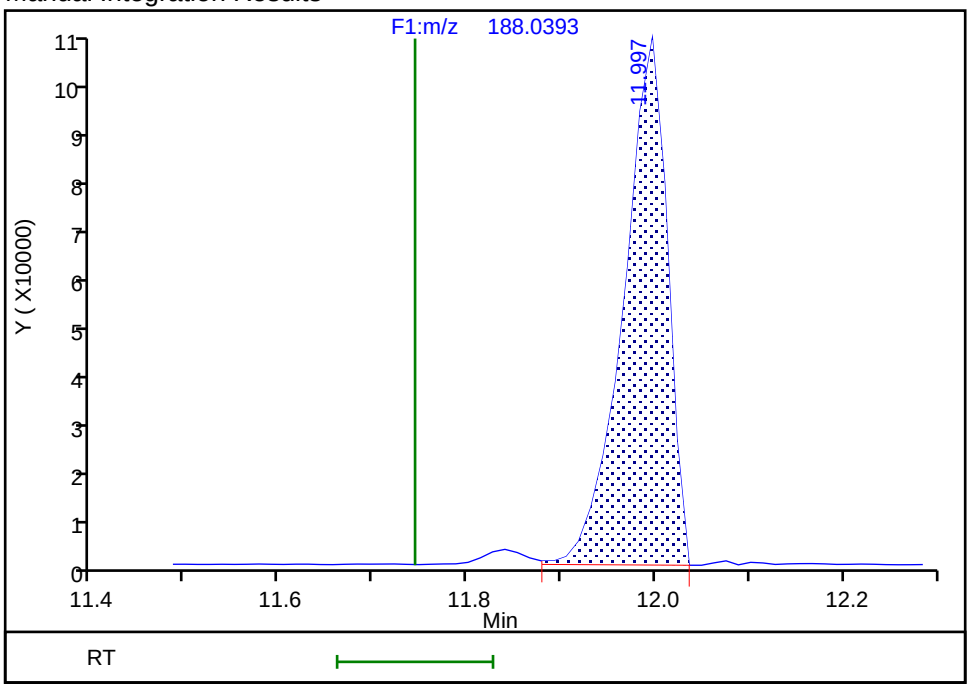
Processing Integration Results

RT: 11.84
Area: 8650
Amount: 0.520874
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 334999
Amount: 22.056817
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:48:19

Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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|---|---|---|---|---|---|
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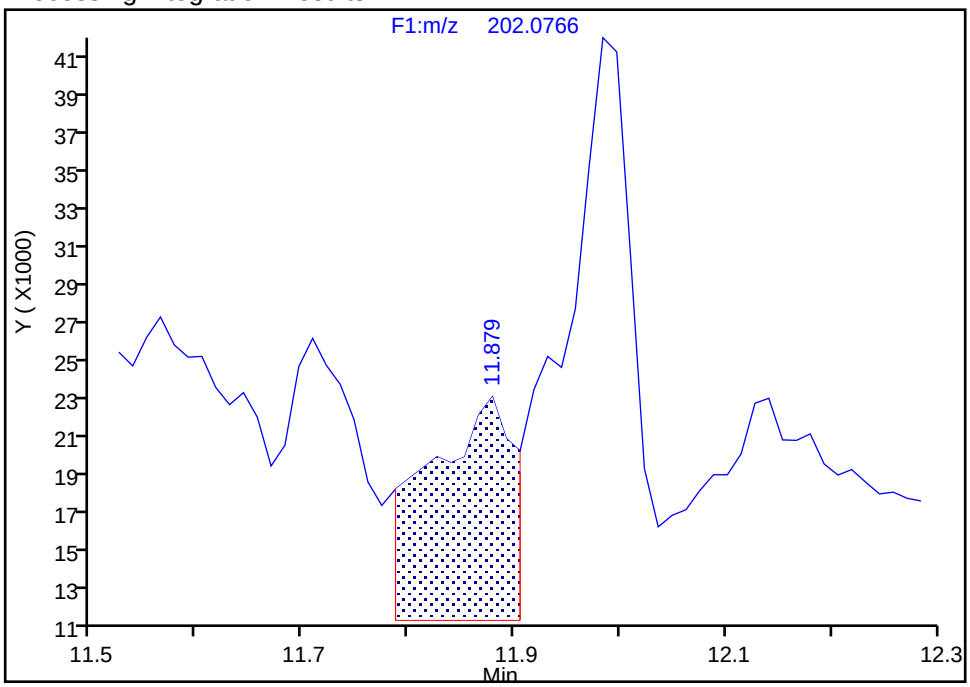
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

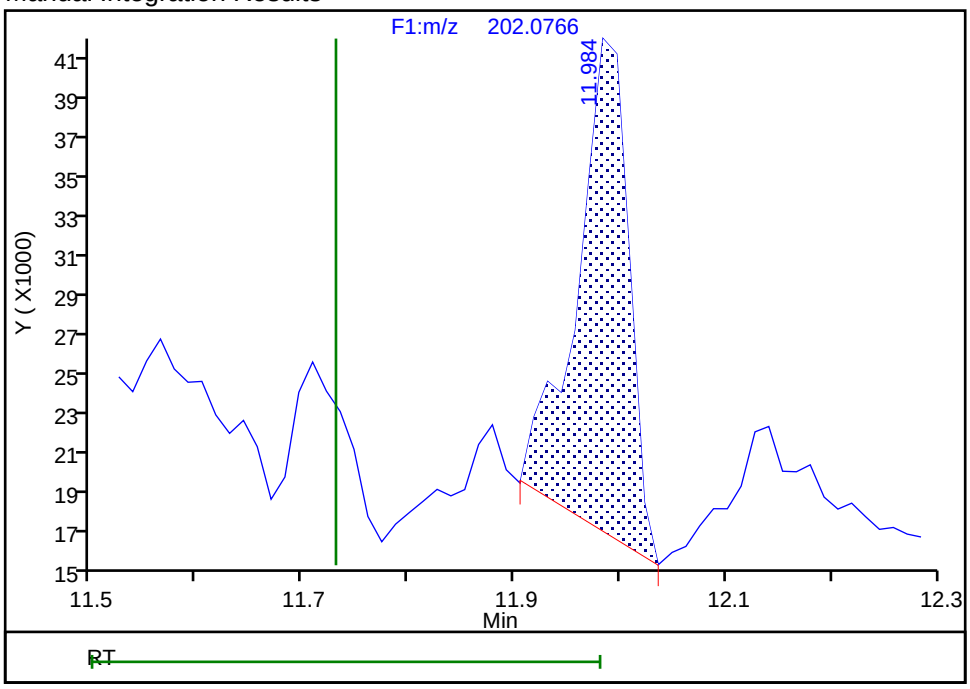
Processing Integration Results

RT: 11.88
Area: 62751
Amount: 1.662727
Amount Units: pg/ul




Manual Integration Results

RT: 11.98
Area: 80737
Amount: 7.854621
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:48:01

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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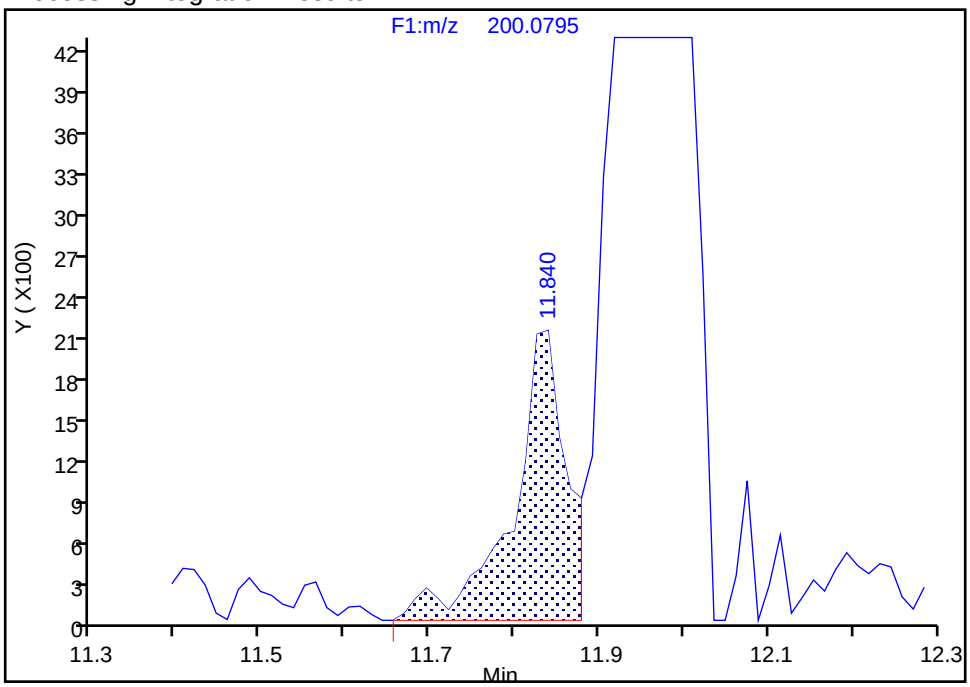
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

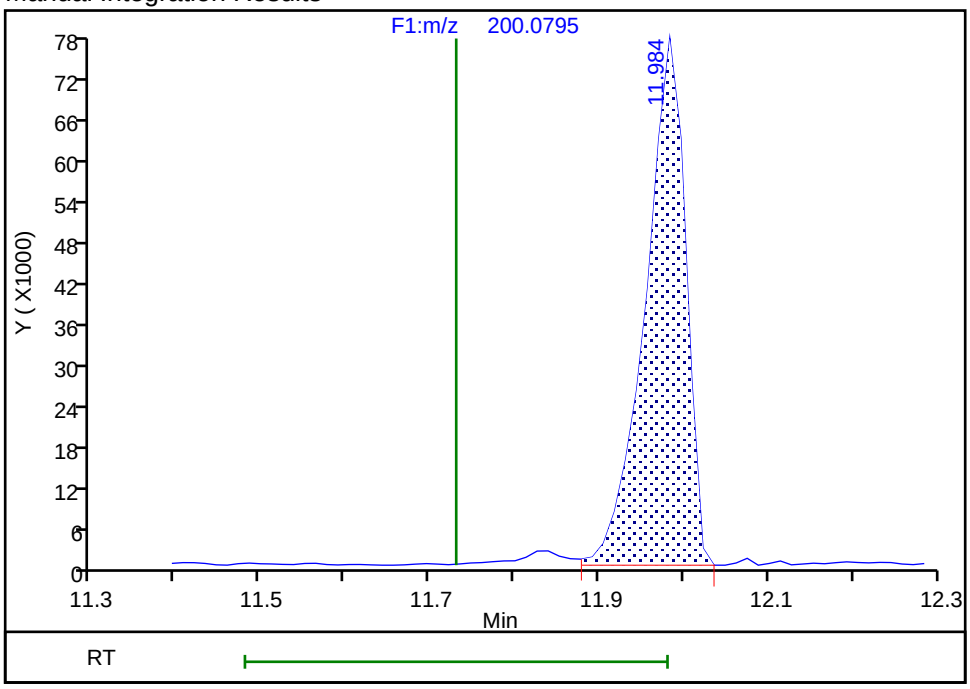
Processing Integration Results

RT: 11.84
Area: 9005
Amount: 1.662727
Amount Units: pg/ul




Manual Integration Results

RT: 11.98
Area: 258234
Amount: 7.854621
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:48:01
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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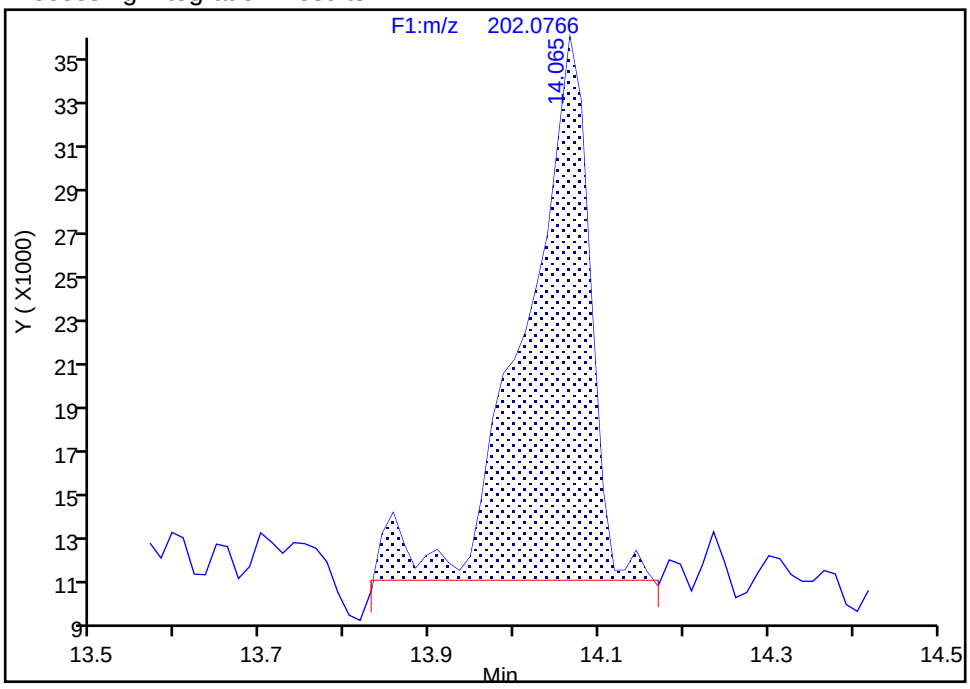
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 2

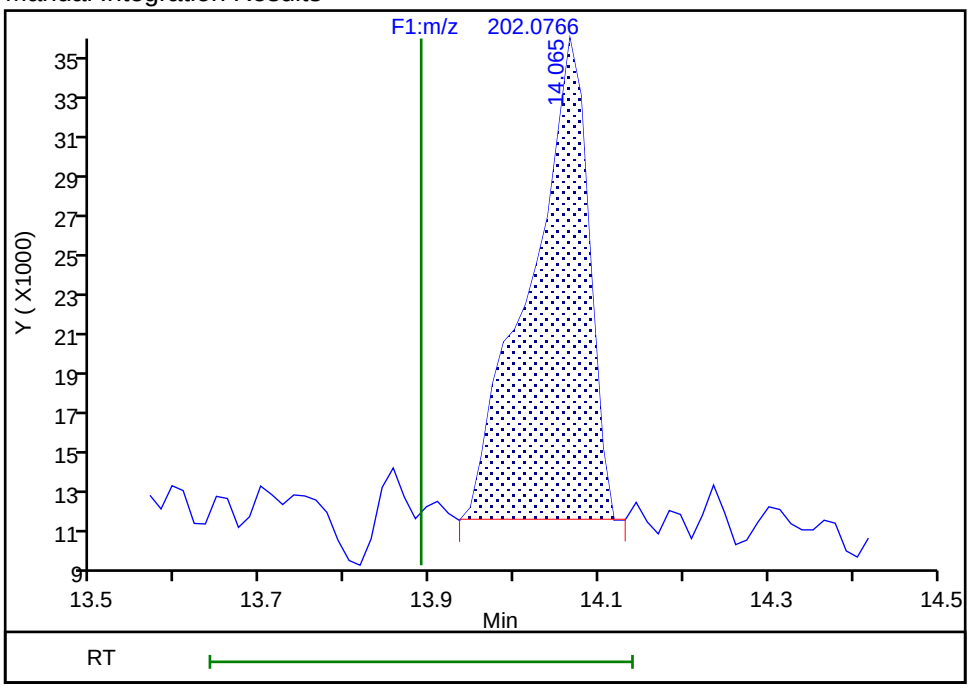
Processing Integration Results

RT: 14.07
Area: 128912
Amount: 10.951266
Amount Units: pg/ul




Manual Integration Results

RT: 14.07
Area: 113834
Amount: 10.614068
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:48:08

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

| | | | |
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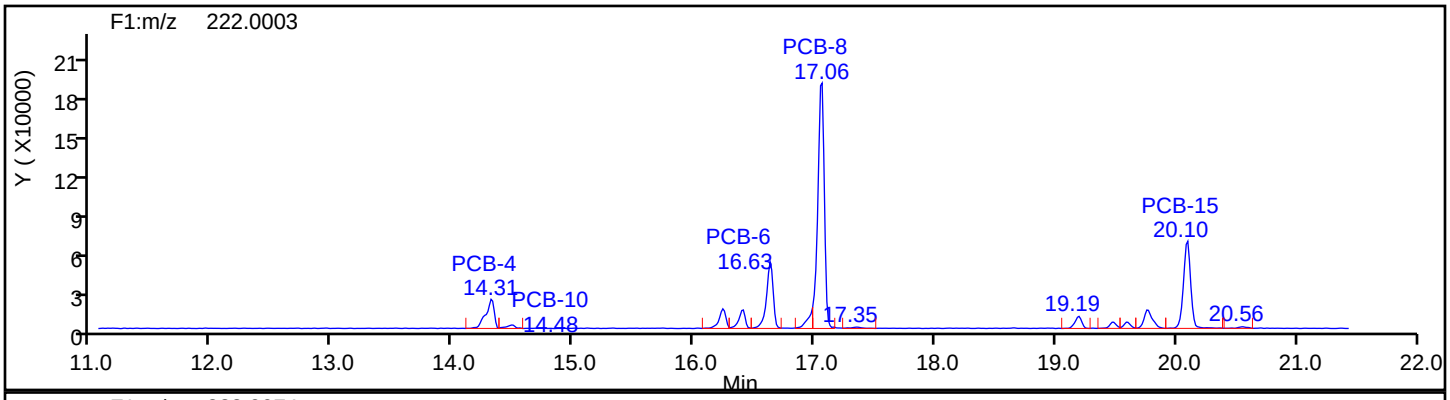
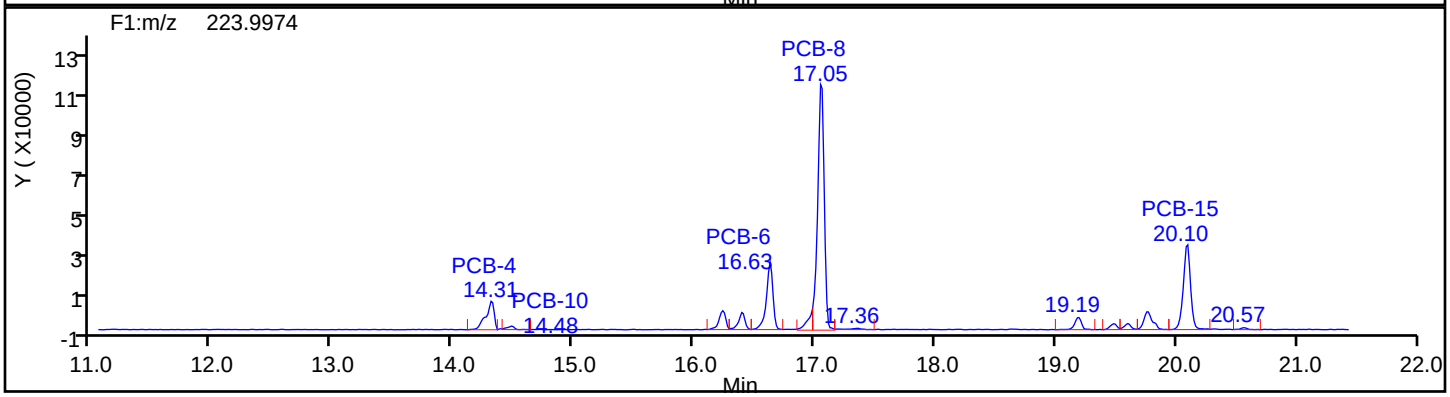
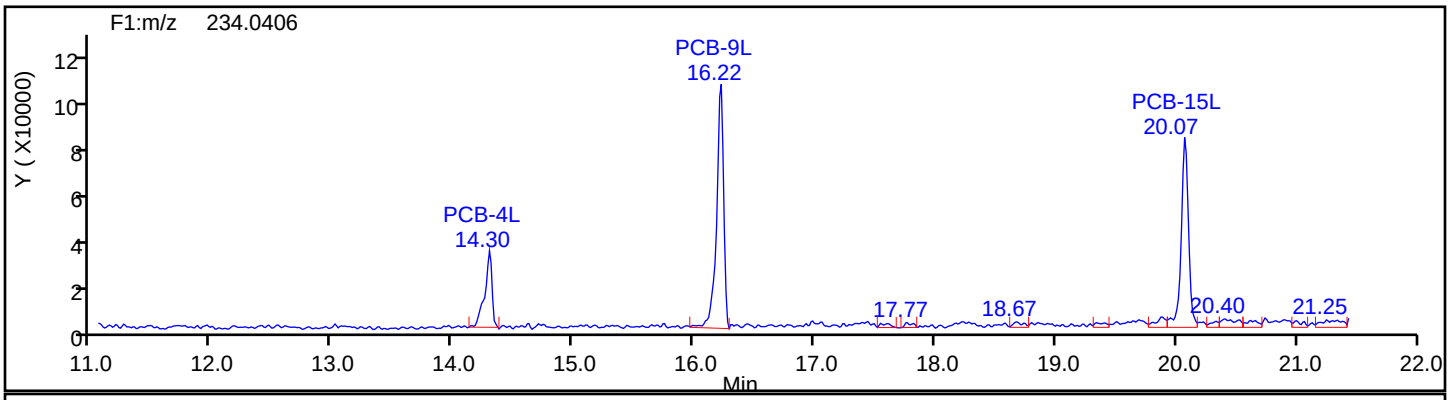
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

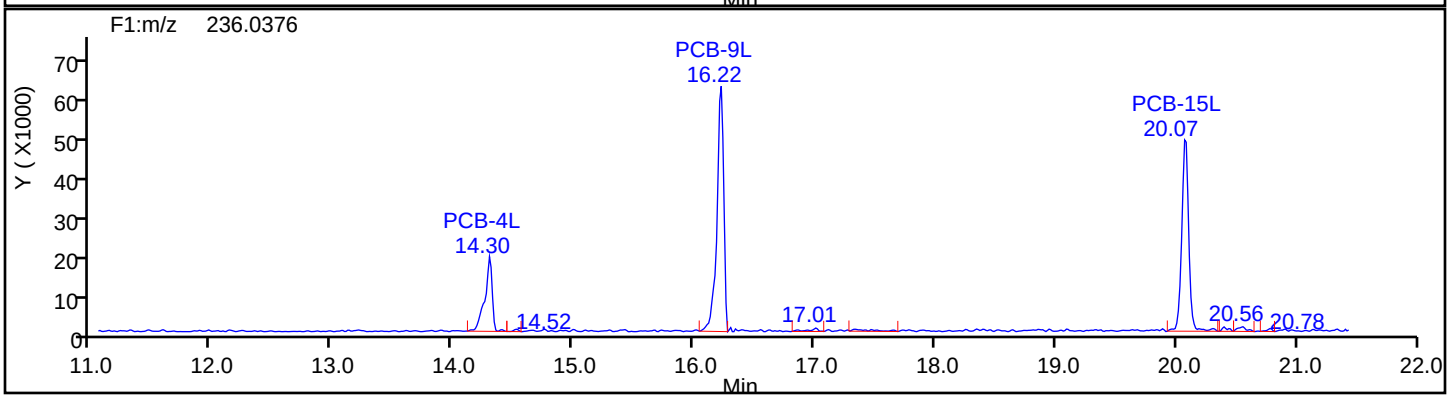
DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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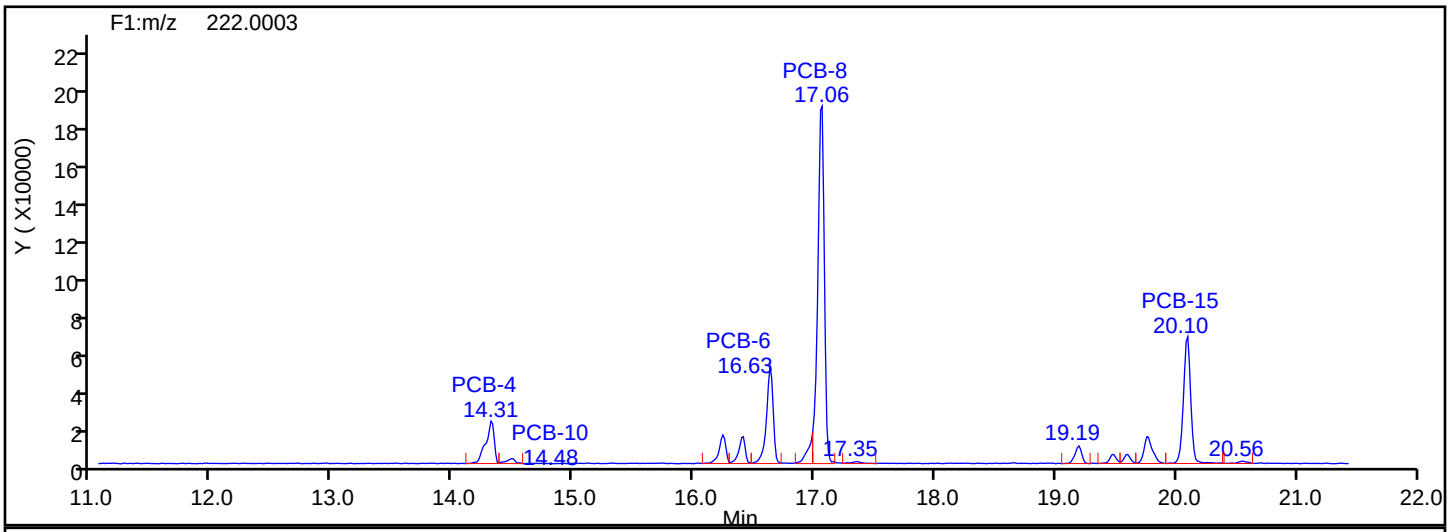
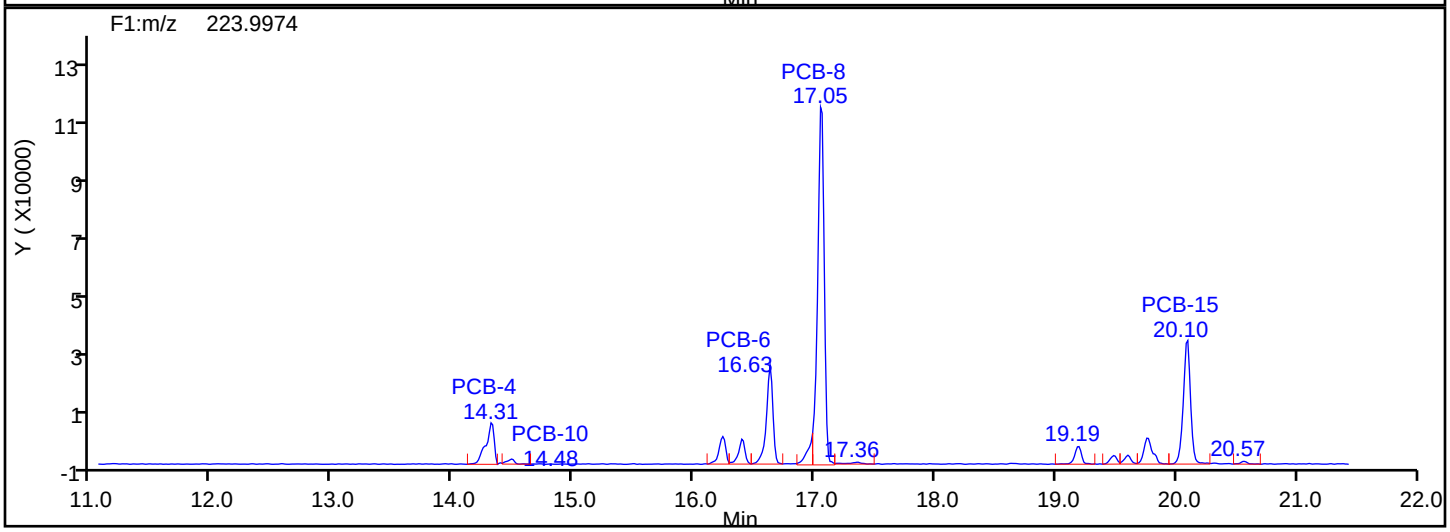
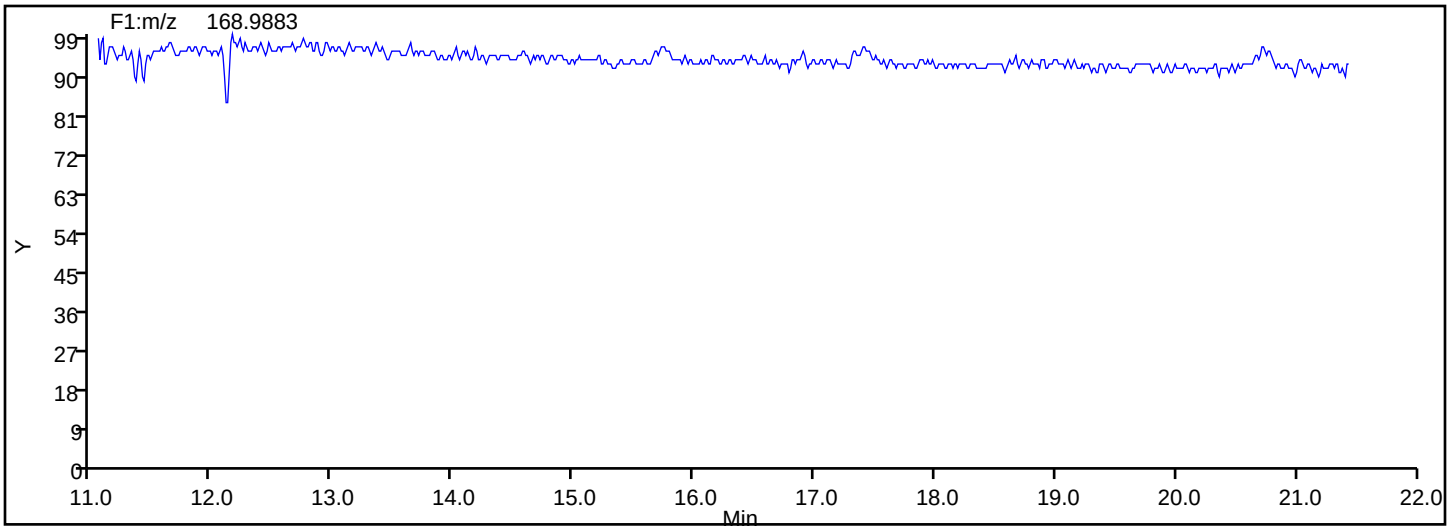
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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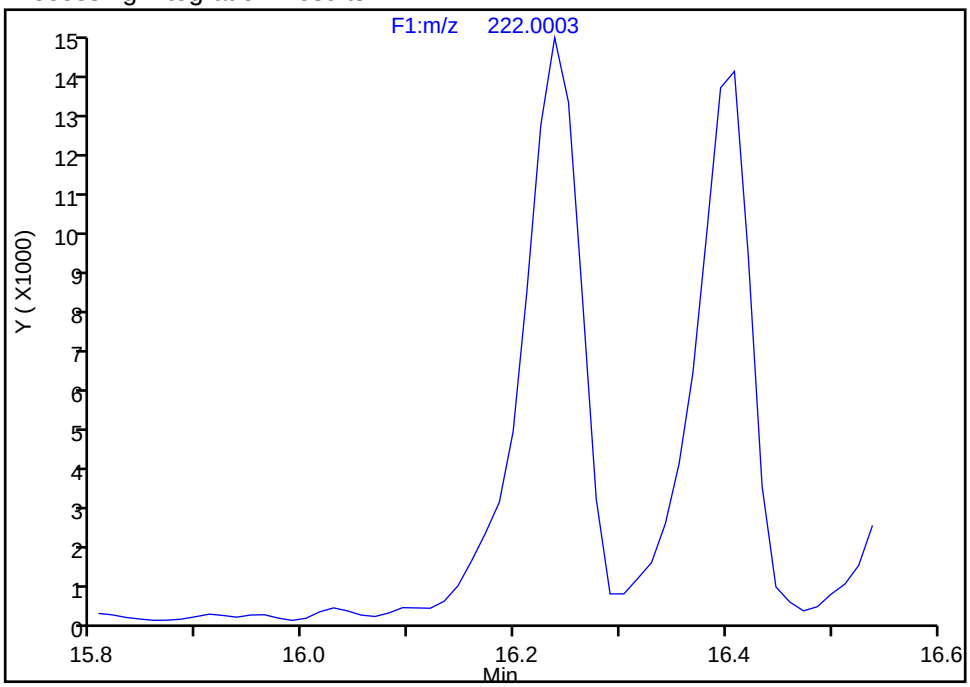
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-9, CAS: 34883-39-1

Signal: 1

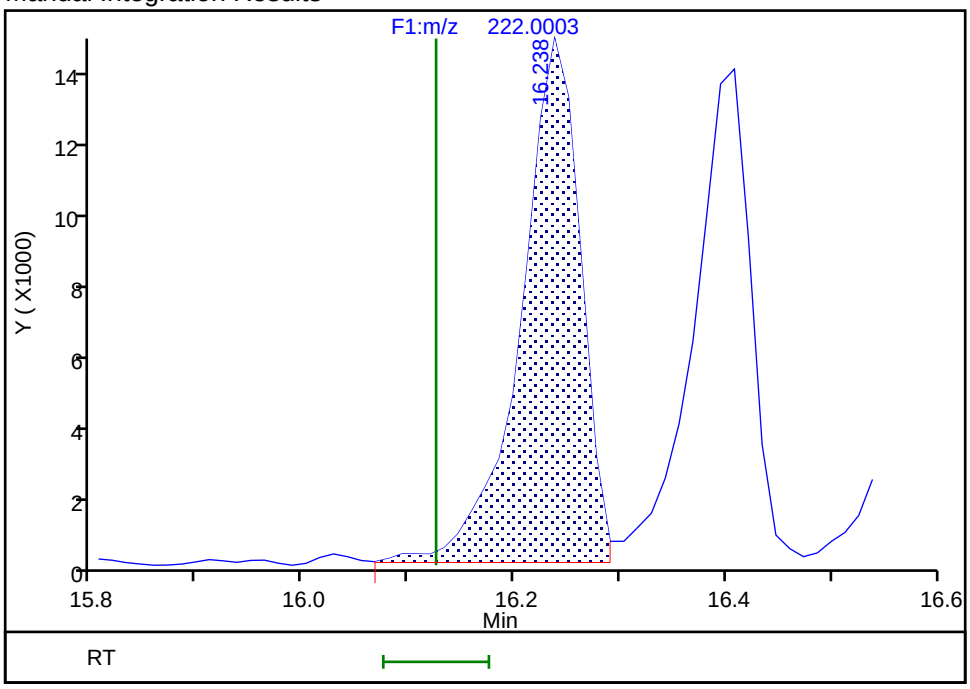
Not Detected
Expected RT: 16.13

Processing Integration Results




Manual Integration Results

RT: 16.24
Area: 57254
Amount: 3.493609
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:48:39
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

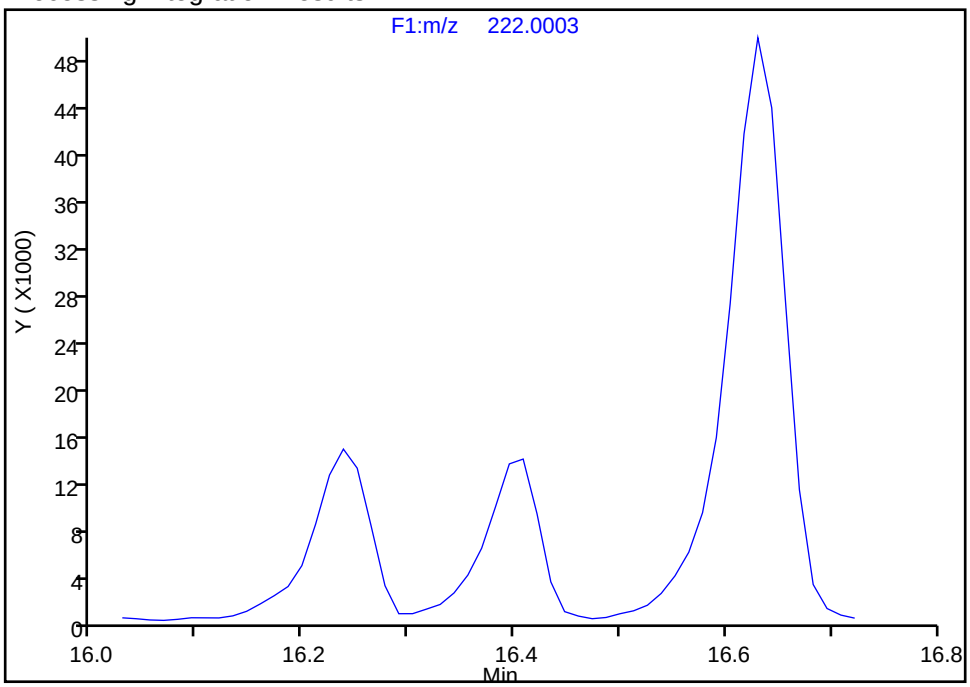
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 1

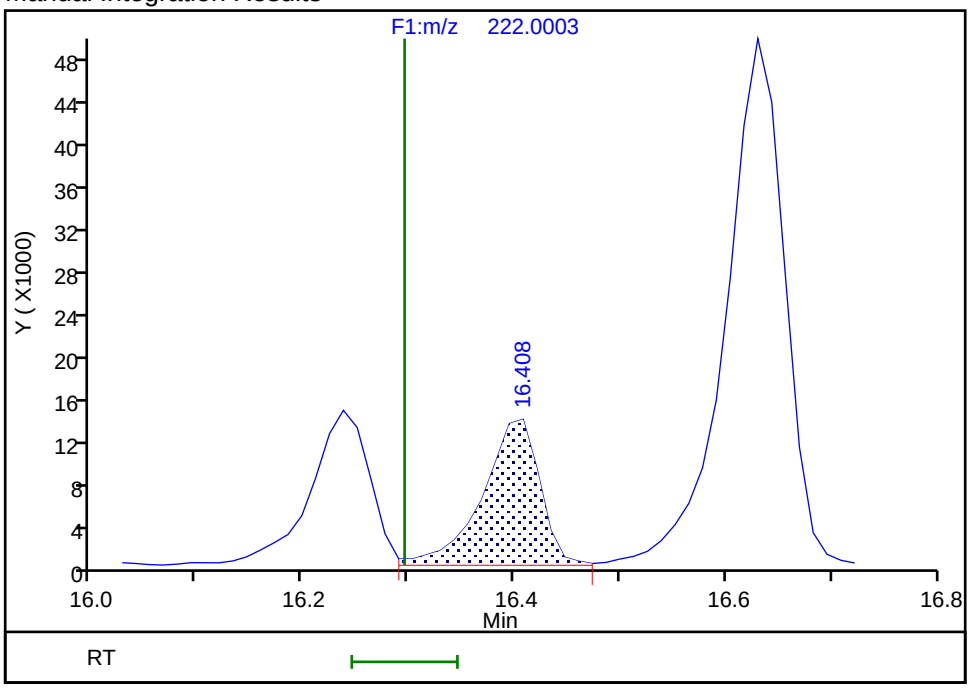
Not Detected
Expected RT: 16.30

Processing Integration Results




Manual Integration Results

RT: 16.41
Area: 51951
Amount: 2.719463
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:48:43
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

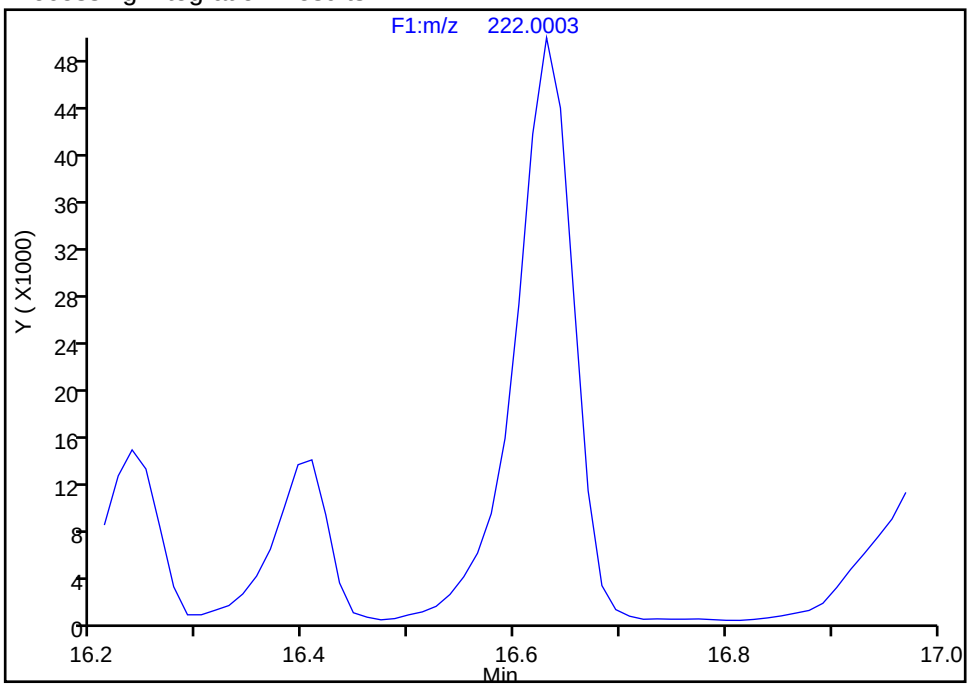
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

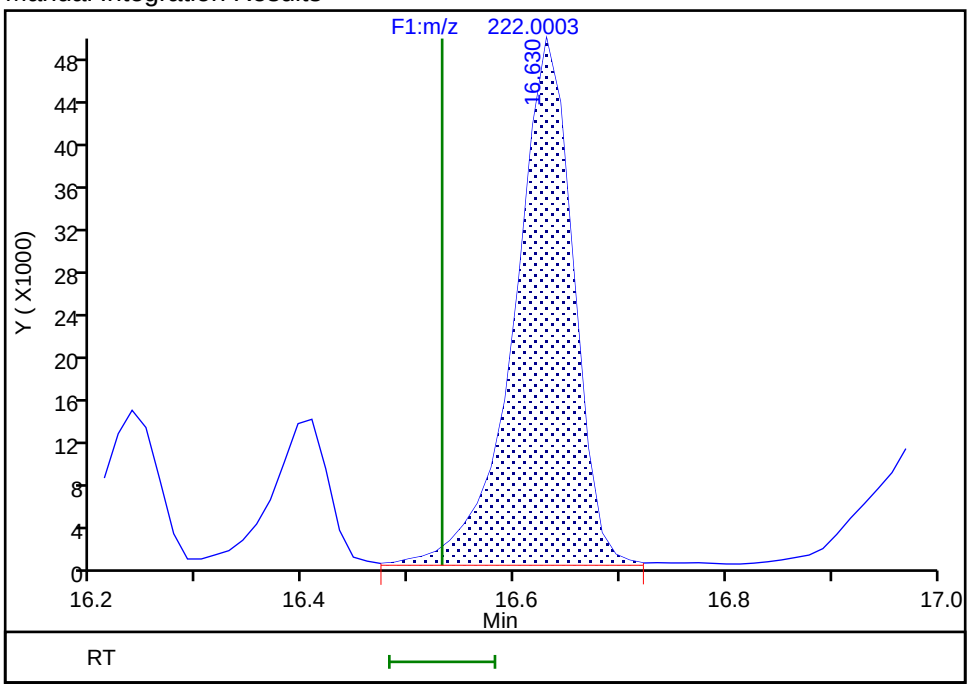
Not Detected
Expected RT: 16.53

Processing Integration Results




Manual Integration Results

RT: 16.63
Area: 192325
Amount: 10.813696
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:48:47
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

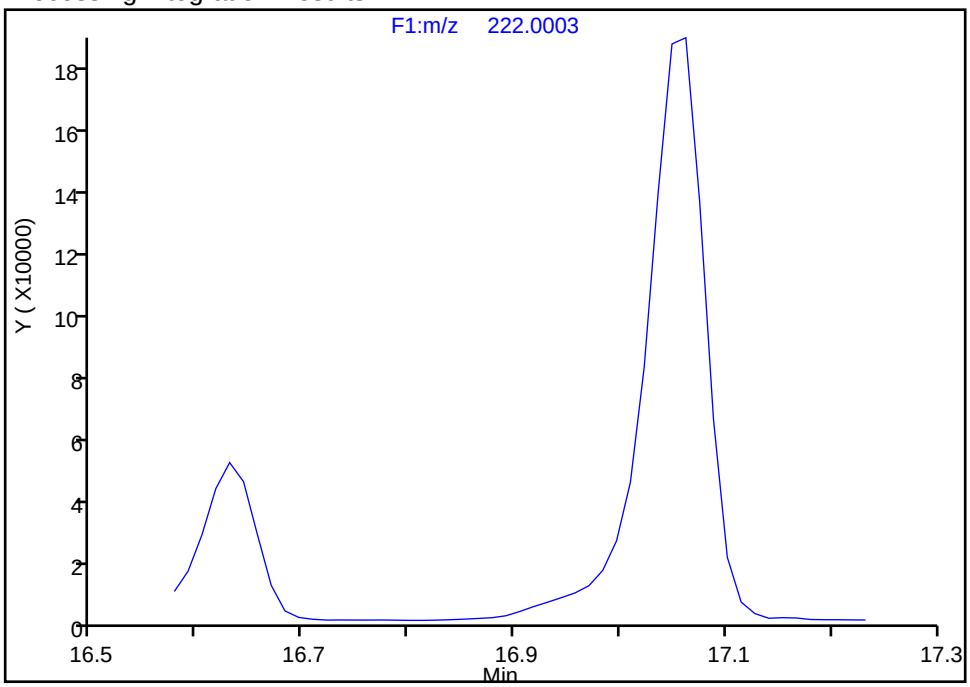
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 1

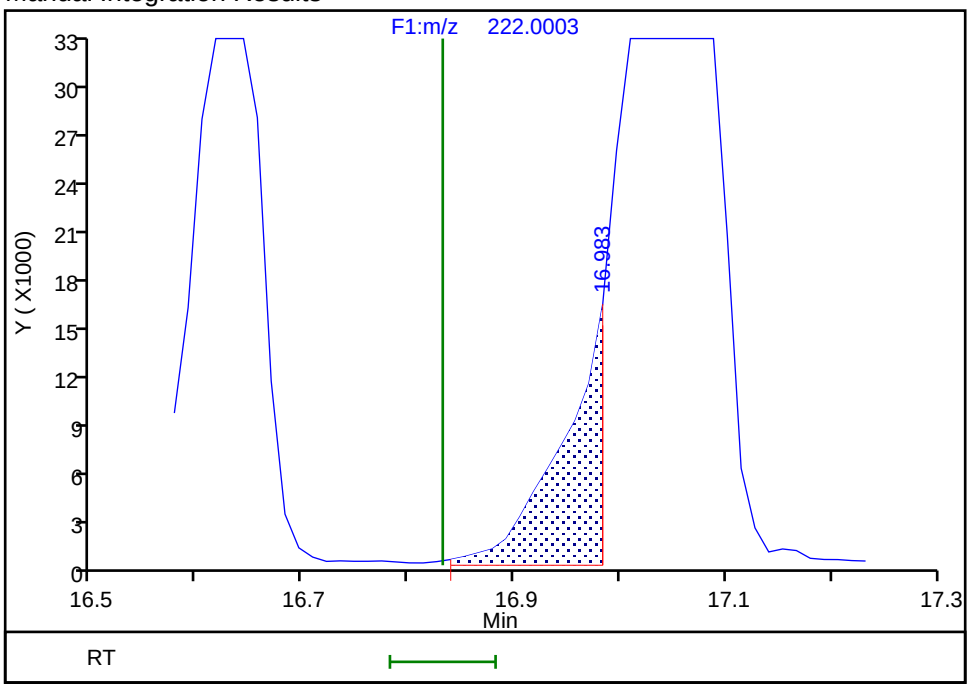
Not Detected
Expected RT: 16.83

Processing Integration Results




Manual Integration Results

RT: 16.98
Area: 41014
Amount: 2.362151
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:49:04
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

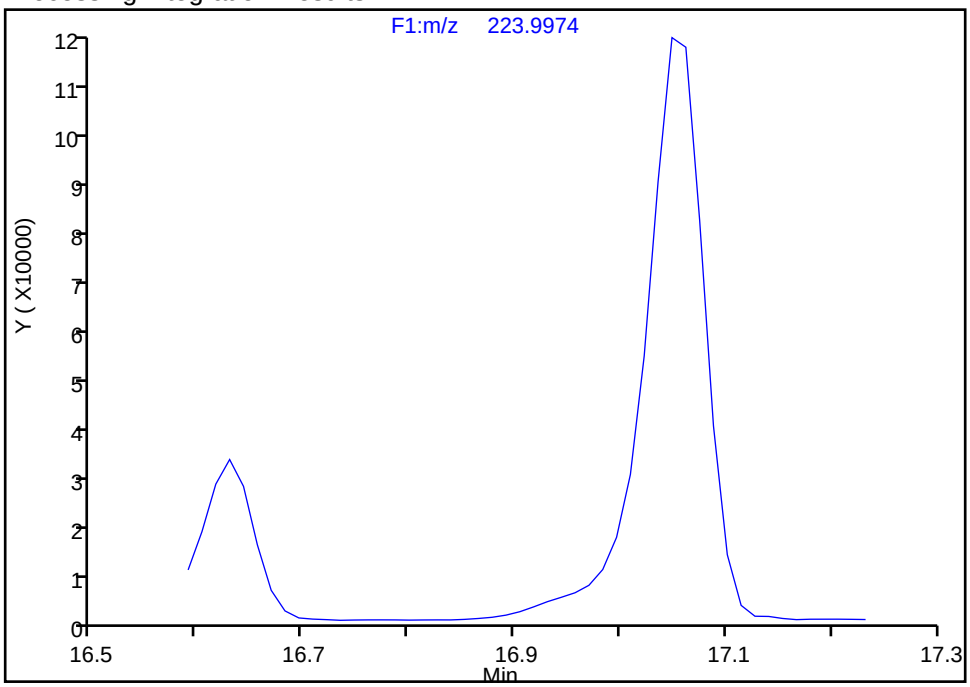
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 2

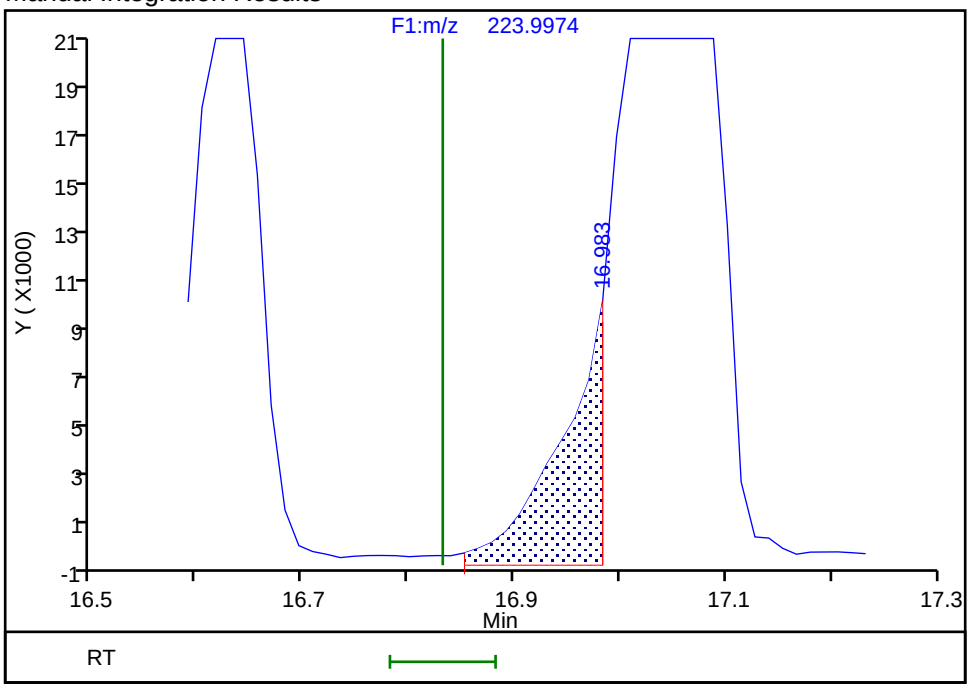
Processing Integration Results

Not Detected
Expected RT: 16.83




Manual Integration Results

RT: 16.98
Area: 27697
Amount: 2.362151
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:49:11
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

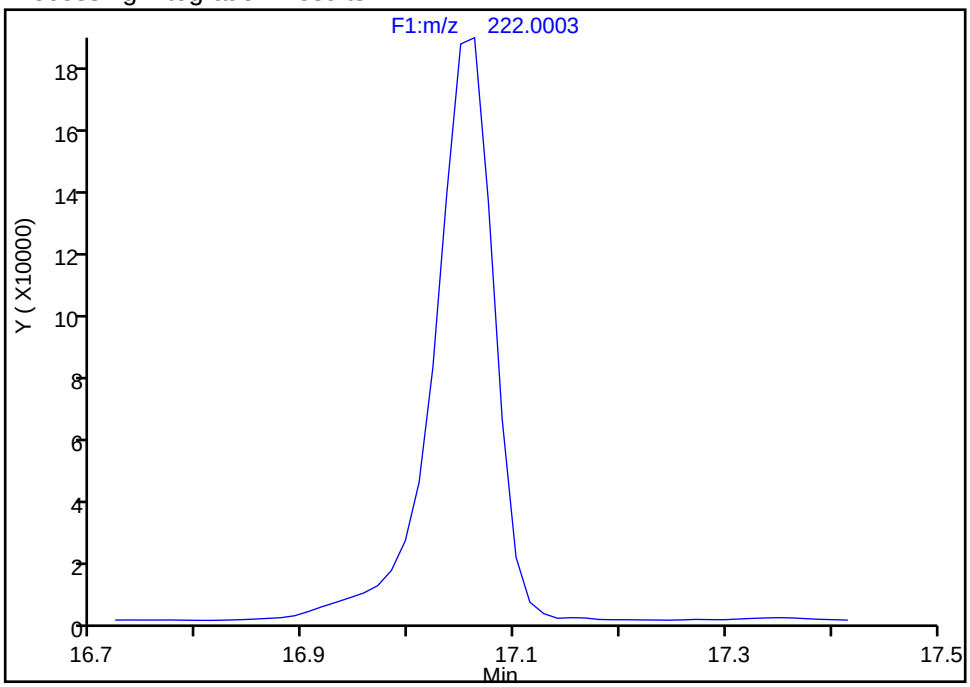
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

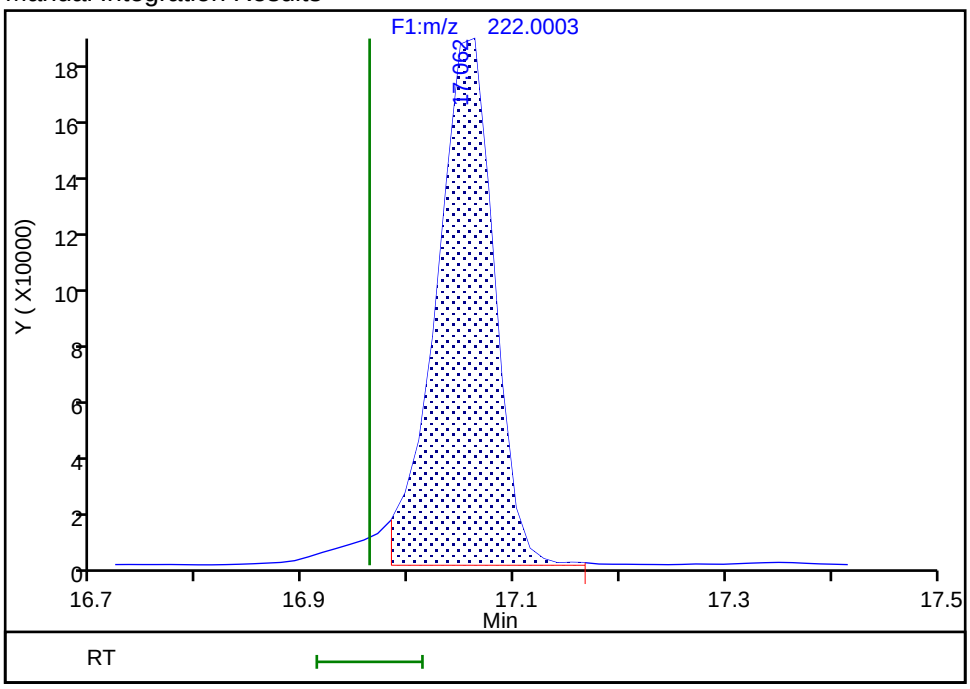
Not Detected
Expected RT: 16.96

Processing Integration Results




Manual Integration Results

RT: 17.06
Area: 692508
Amount: 38.317858
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:49:18
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

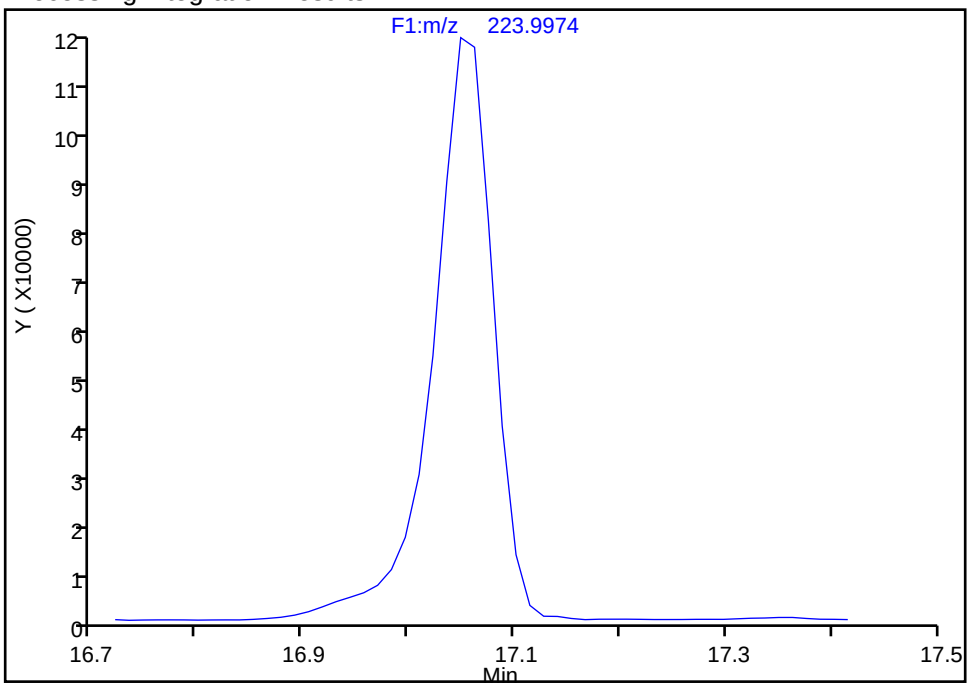
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 2

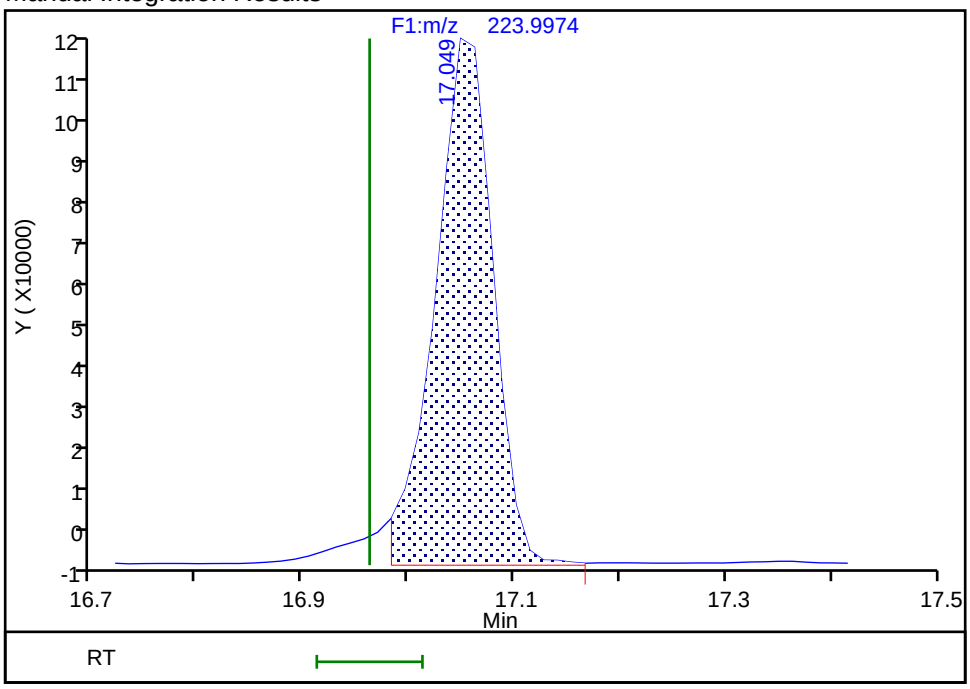
Processing Integration Results

Not Detected
Expected RT: 16.96




Manual Integration Results

RT: 17.05
Area: 441884
Amount: 38.317858
Amount Units: pg/ul

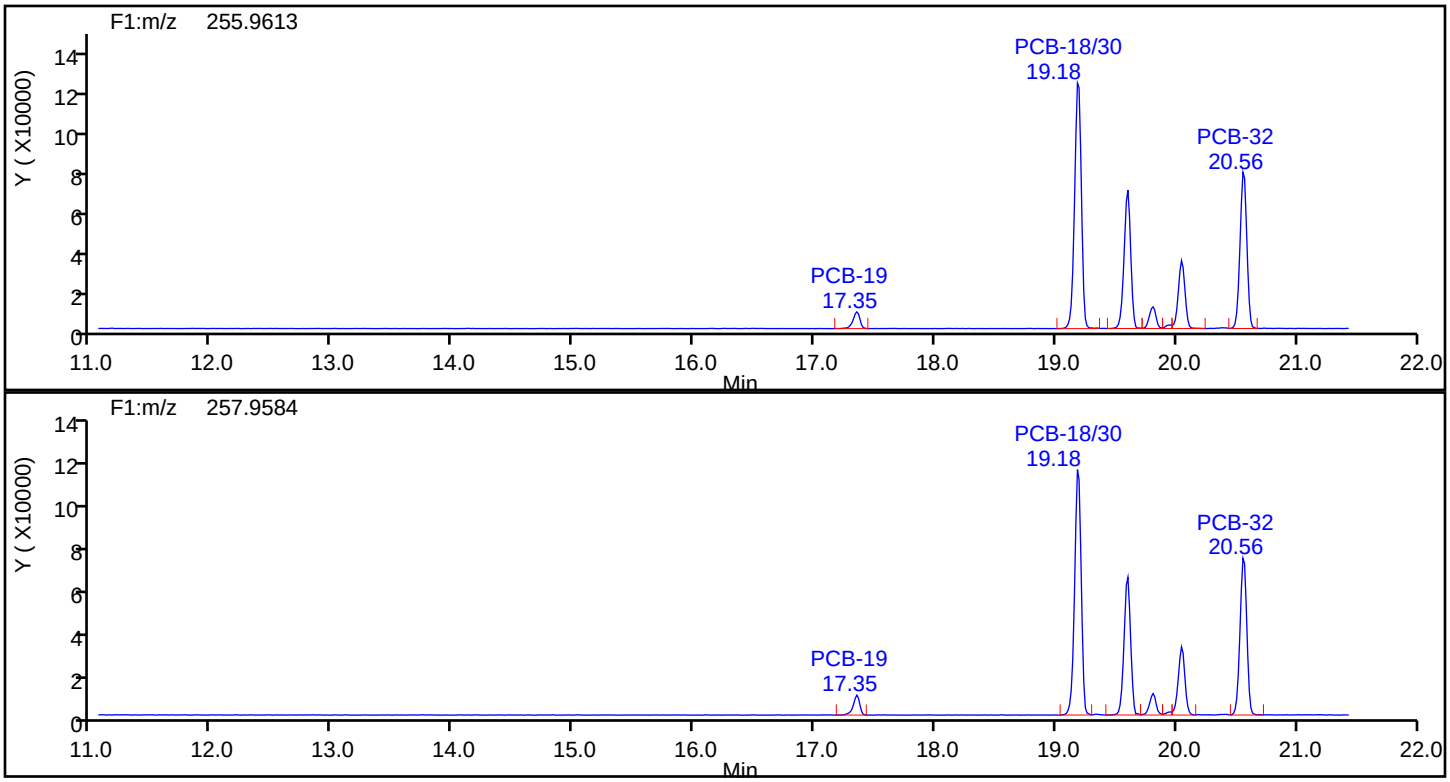



Reviewer: nordquistj, 03-Oct-2019 16:49:30
Audit Action: Manually Integrated Audit Reason: Split Peak

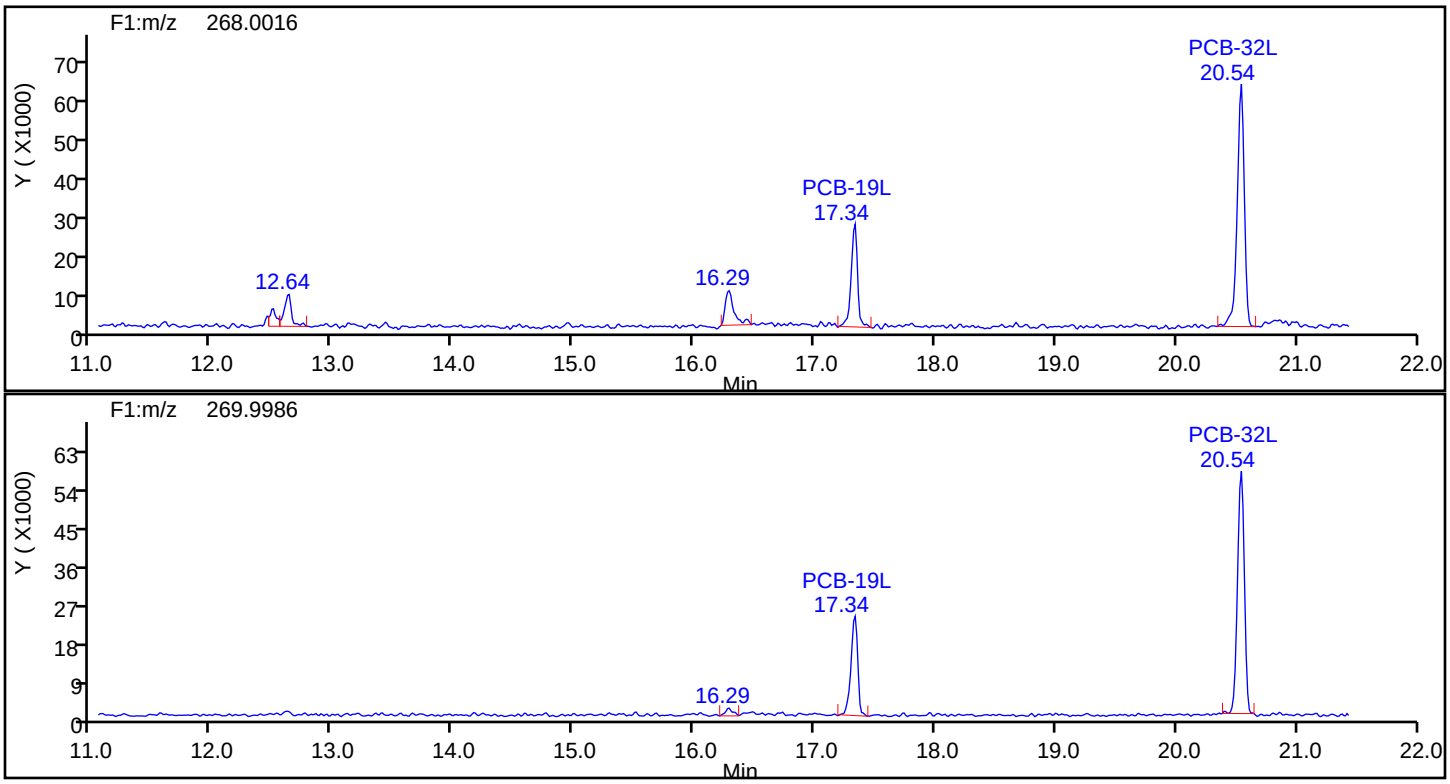
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



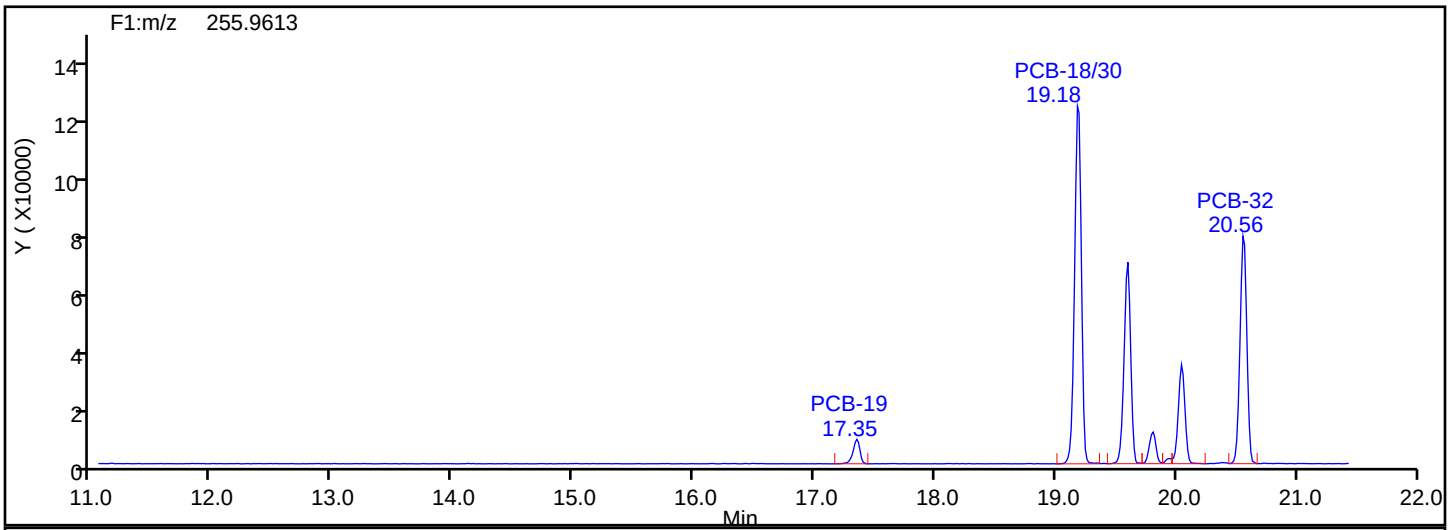

TriPCB F1 Standards

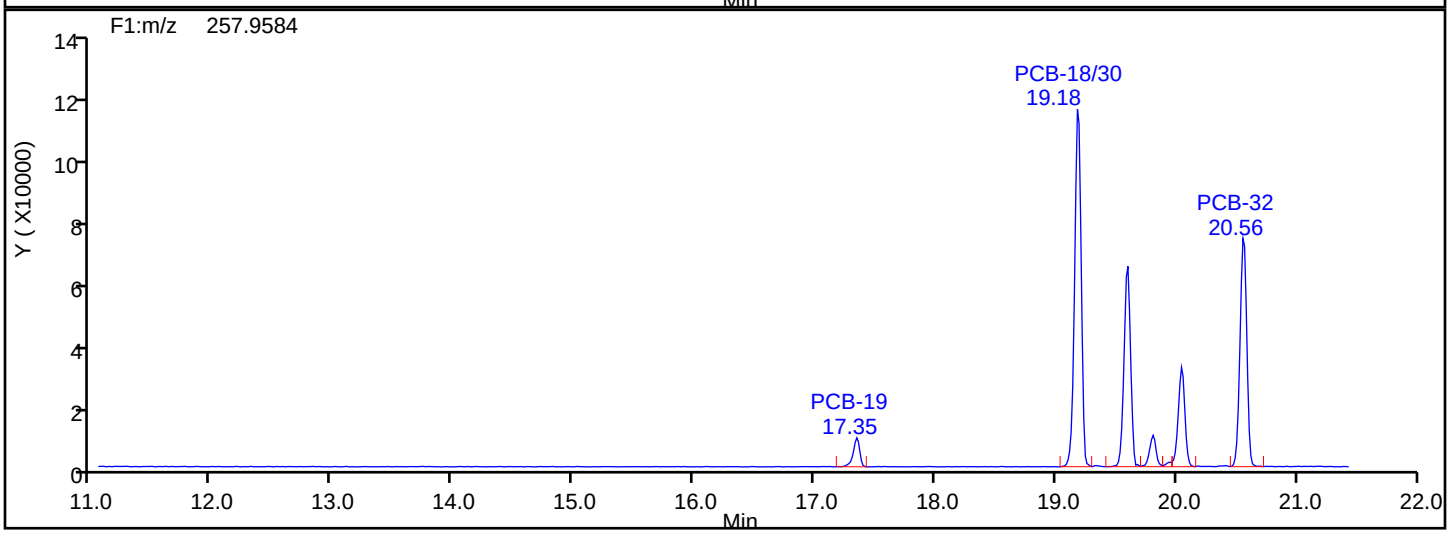


Eurofins TestAmerica, Knoxville

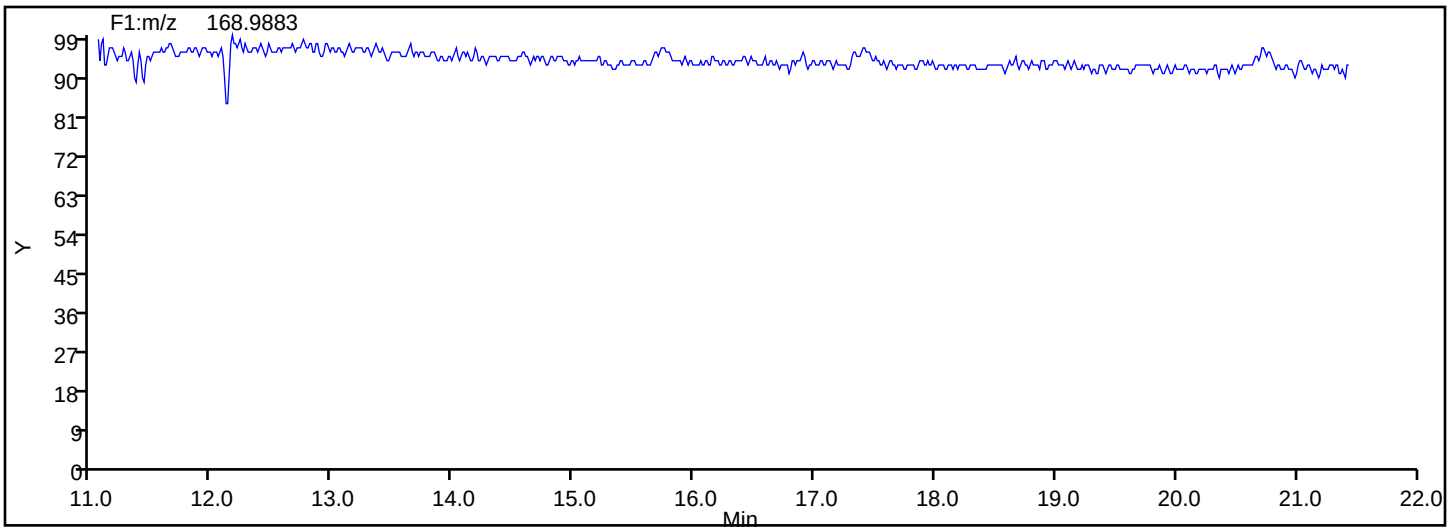
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

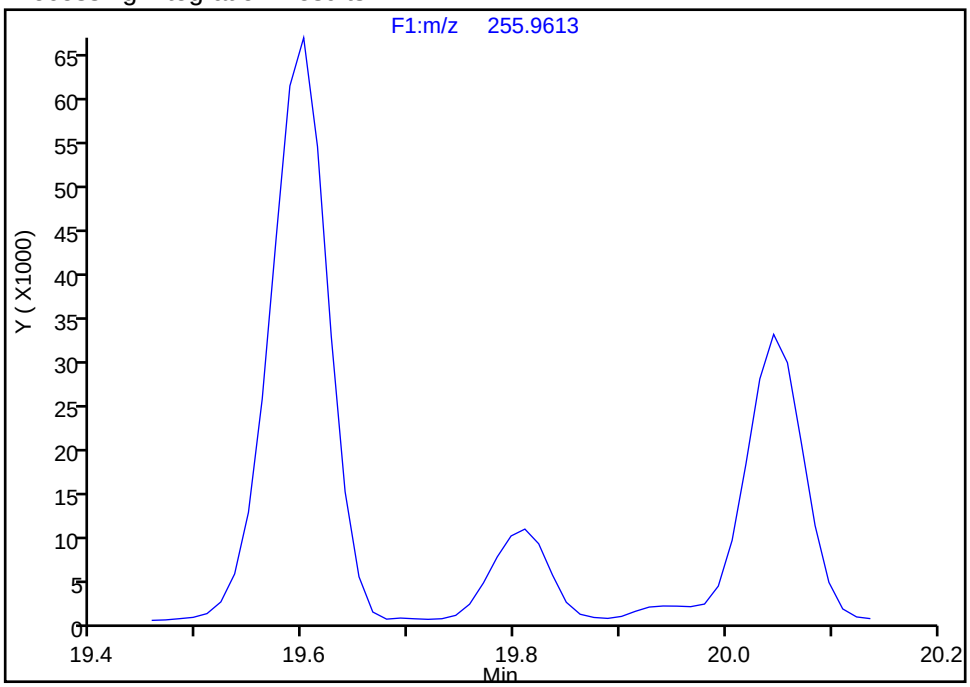
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-27, CAS: 38444-76-7

Signal: 1

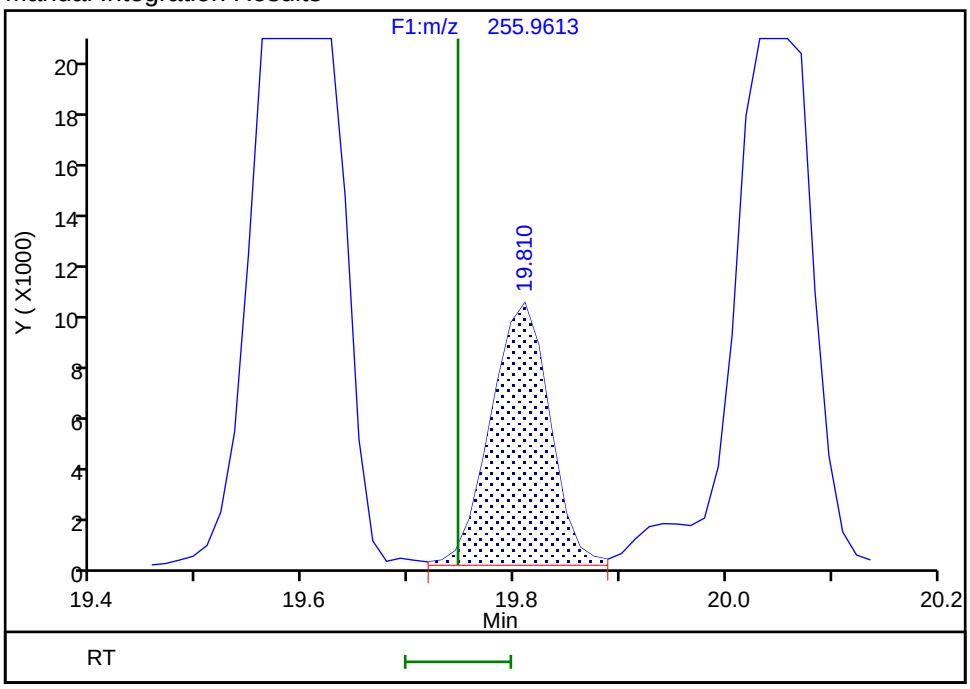
Not Detected
Expected RT: 19.75

Processing Integration Results




Manual Integration Results

RT: 19.81
Area: 40176
Amount: 3.722075
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:50:17
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

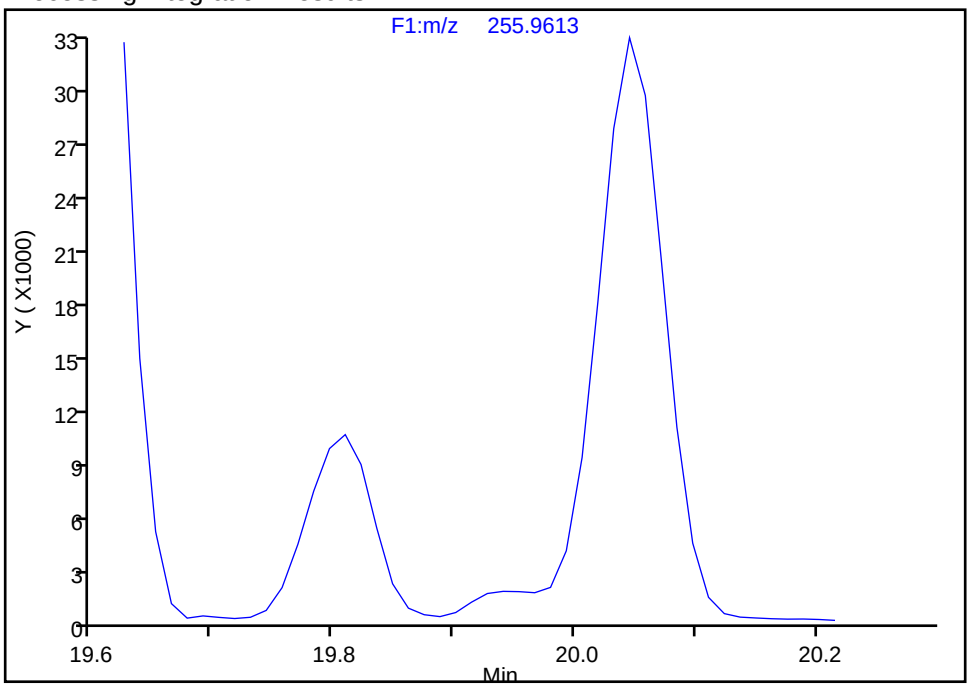
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

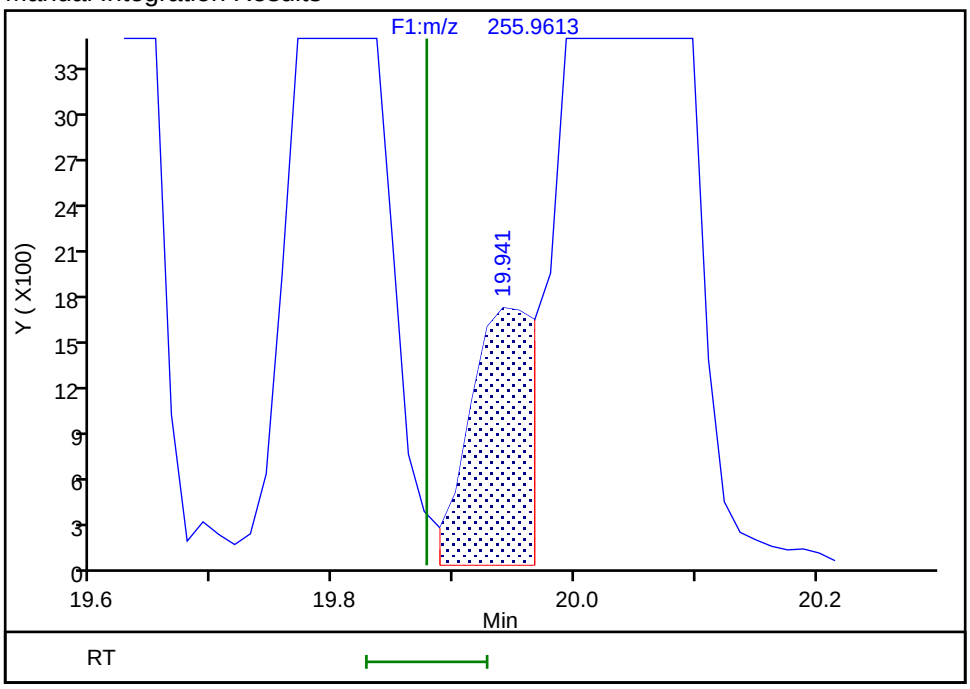
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.94
Area: 5655
Amount: 0.516006
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:50:30
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

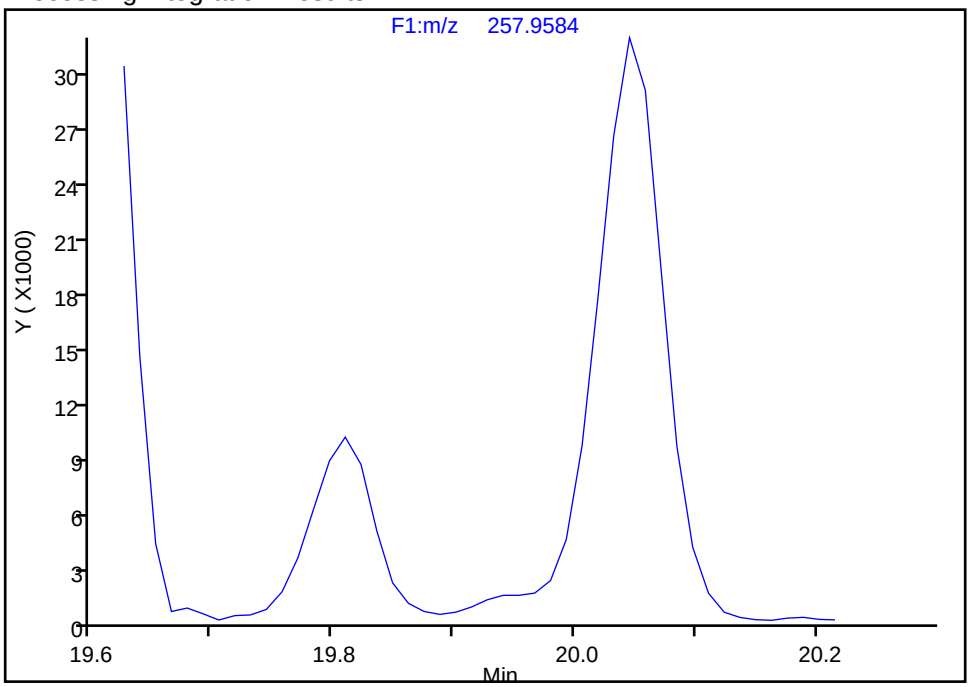
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 2

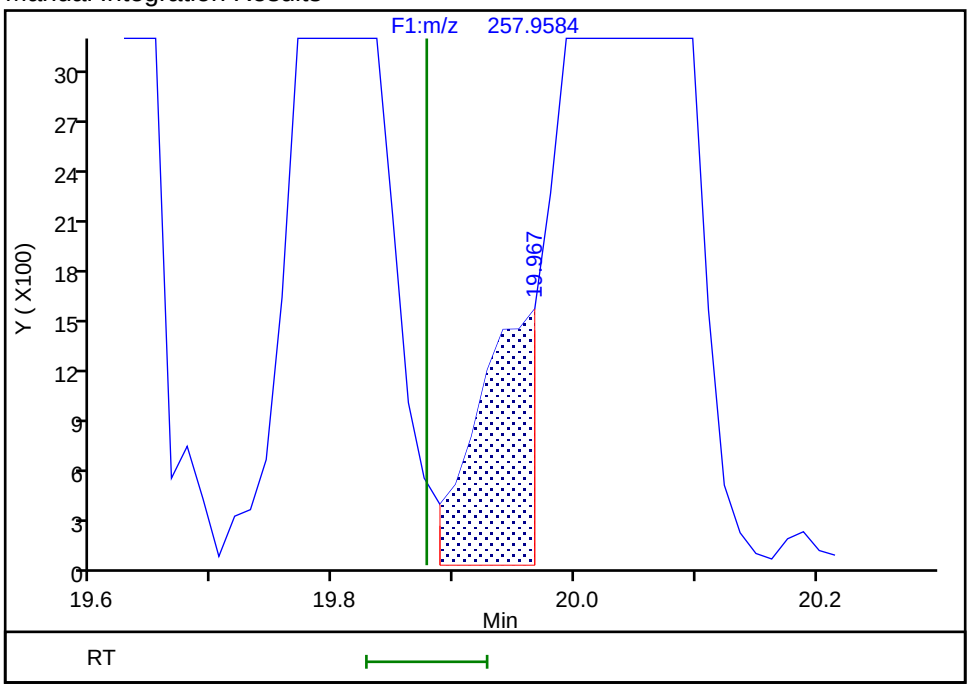
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.97
Area: 4708
Amount: 0.516006
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:50:37
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

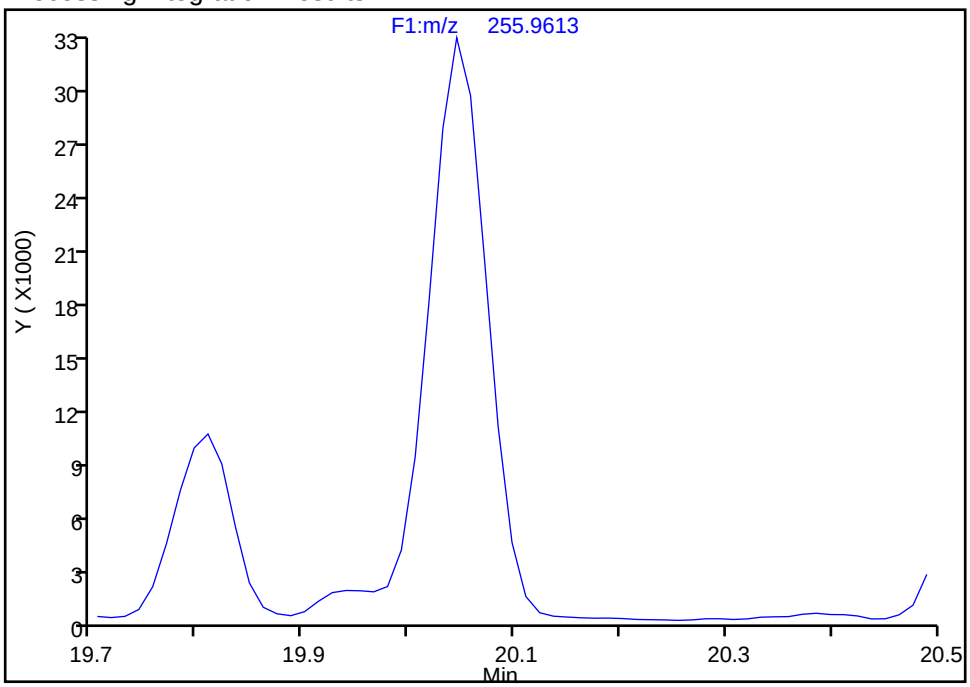
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

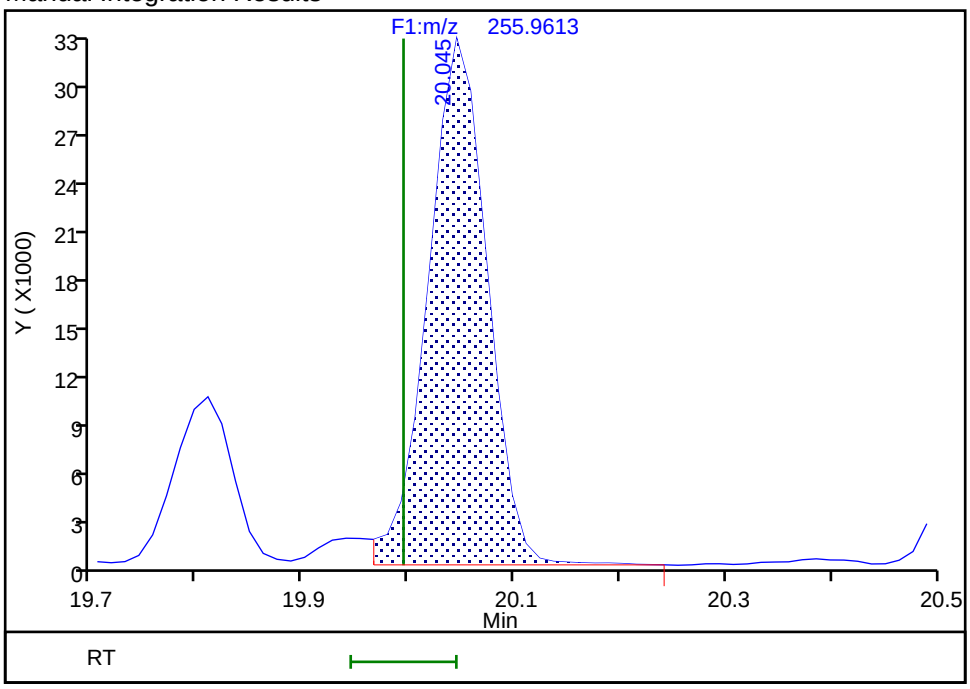
Not Detected
Expected RT: 19.99

Processing Integration Results




Manual Integration Results

RT: 20.05
Area: 125810
Amount: 21.002870
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:50:45
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

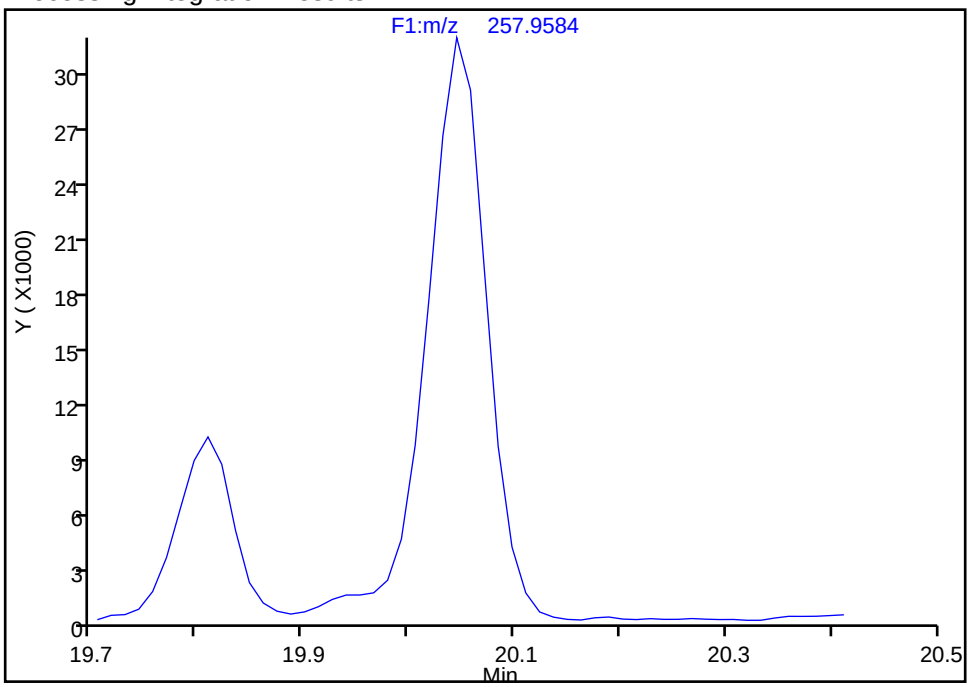
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 2

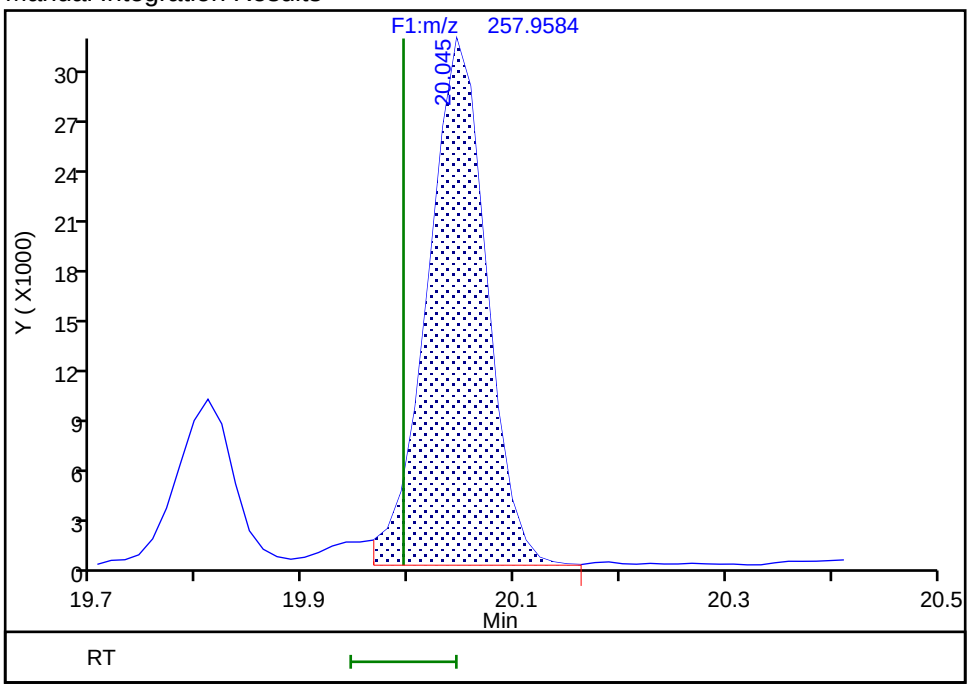
Not Detected
Expected RT: 19.99

Processing Integration Results




Manual Integration Results

RT: 20.05
Area: 120234
Amount: 21.002870
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:50:45
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

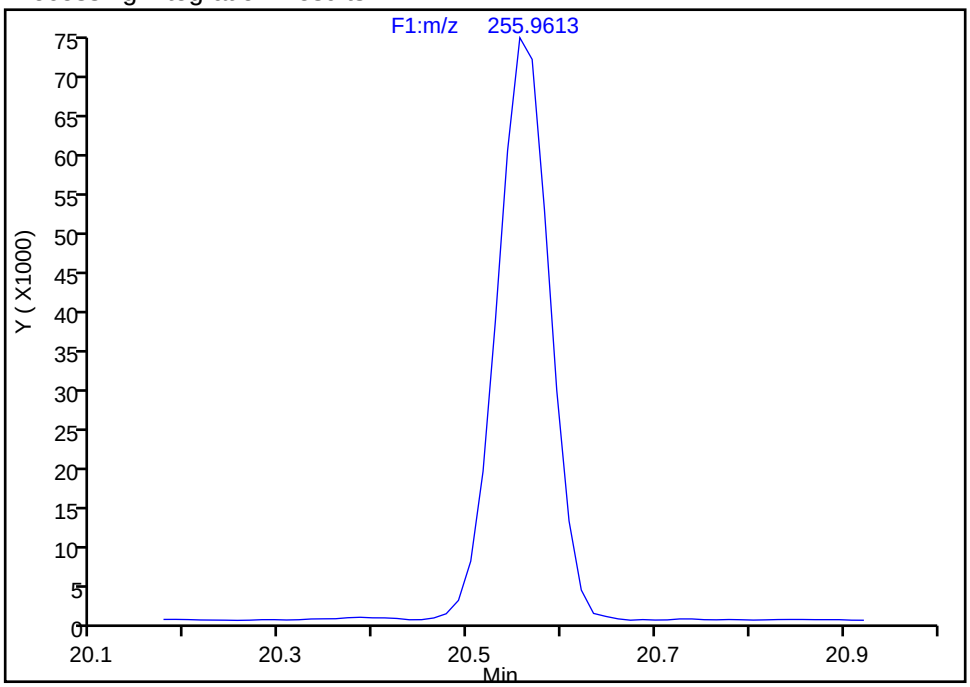
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

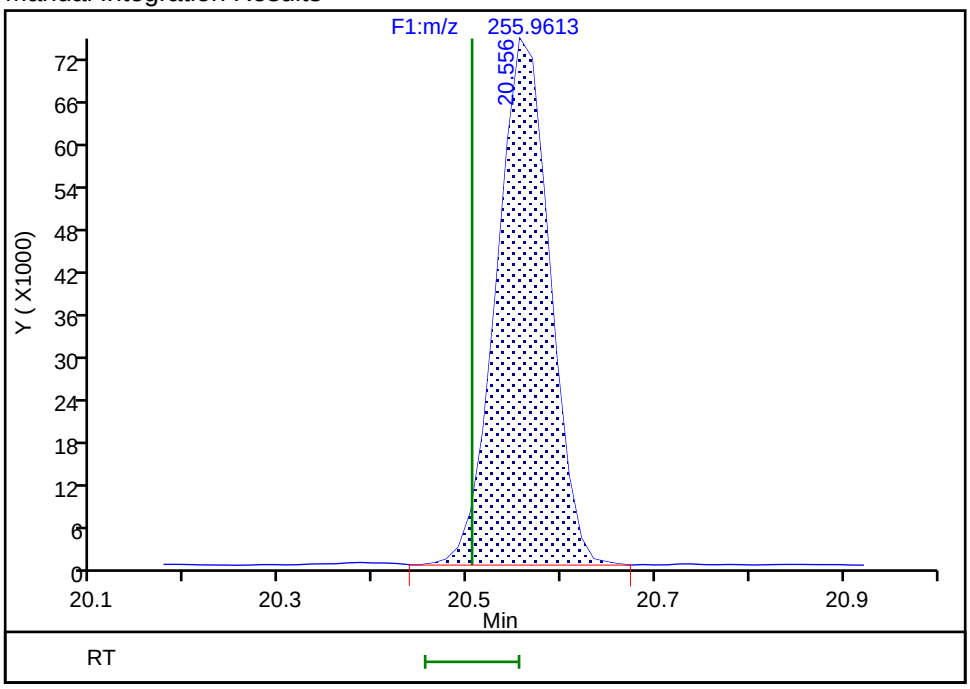
Not Detected
Expected RT: 20.50

Processing Integration Results




Manual Integration Results

RT: 20.56
Area: 294404
Amount: 25.773202
Amount Units: pg/ul

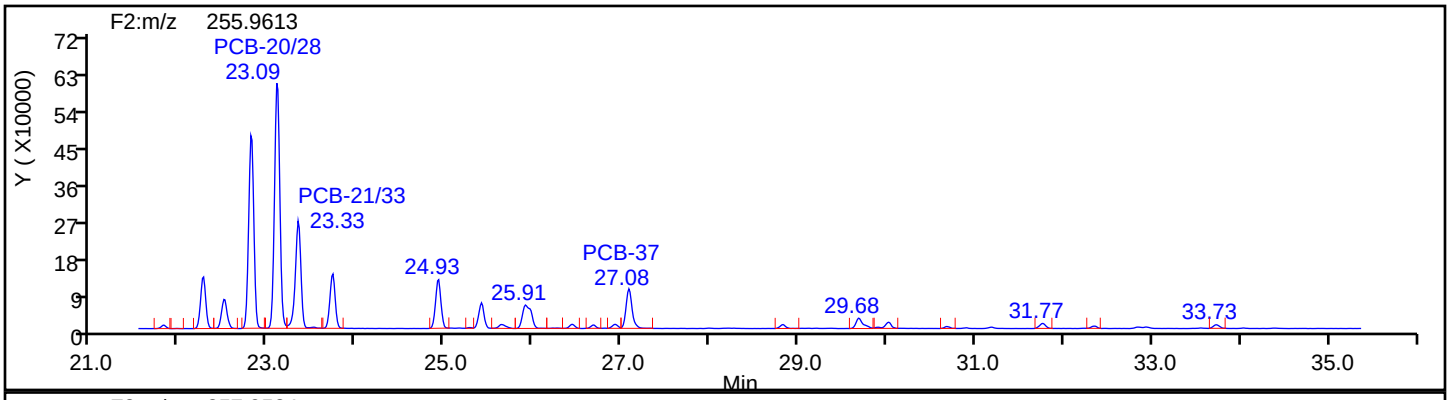


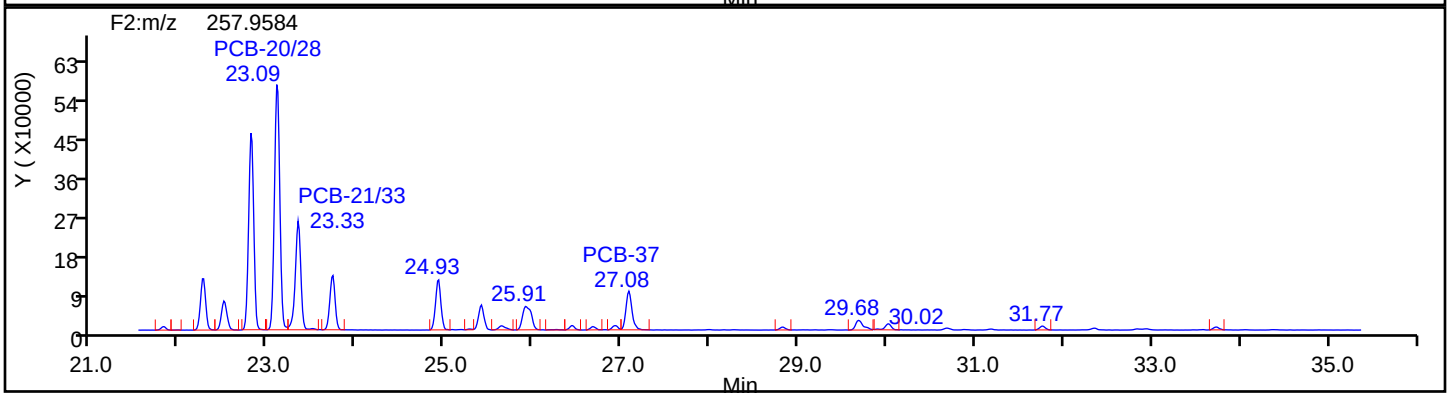

Reviewer: nordquistj, 03-Oct-2019 16:50:52
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

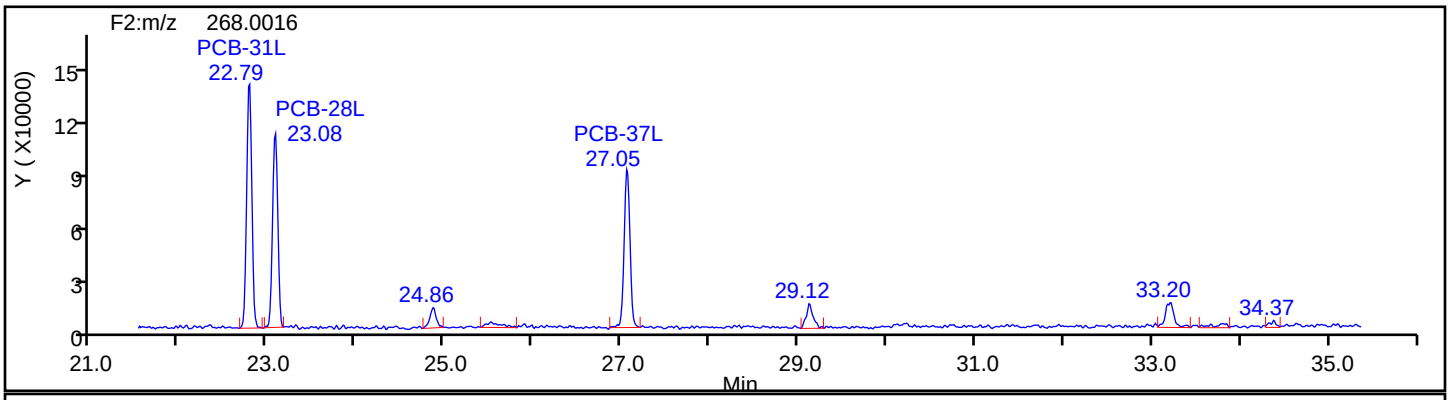
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

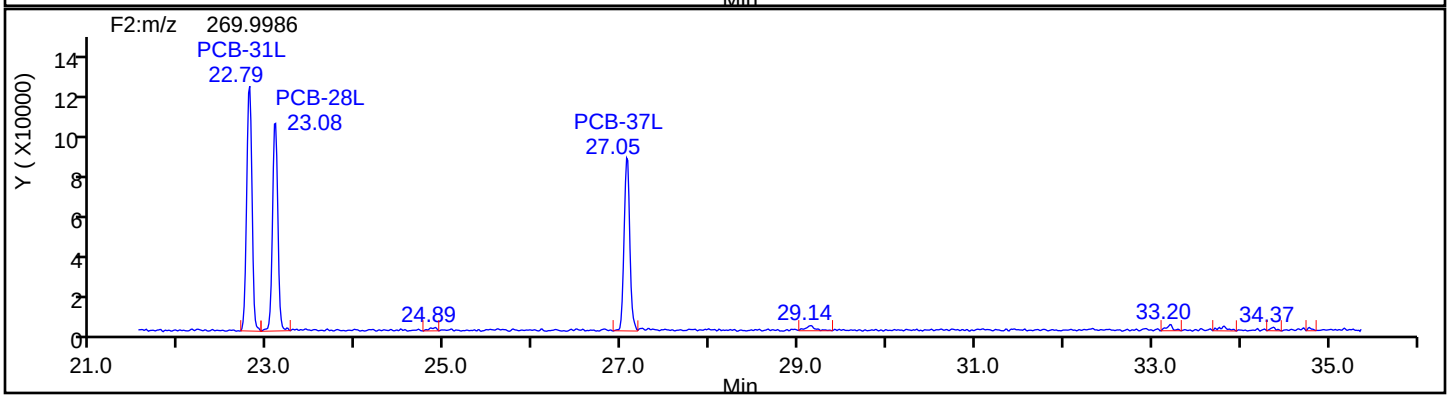
TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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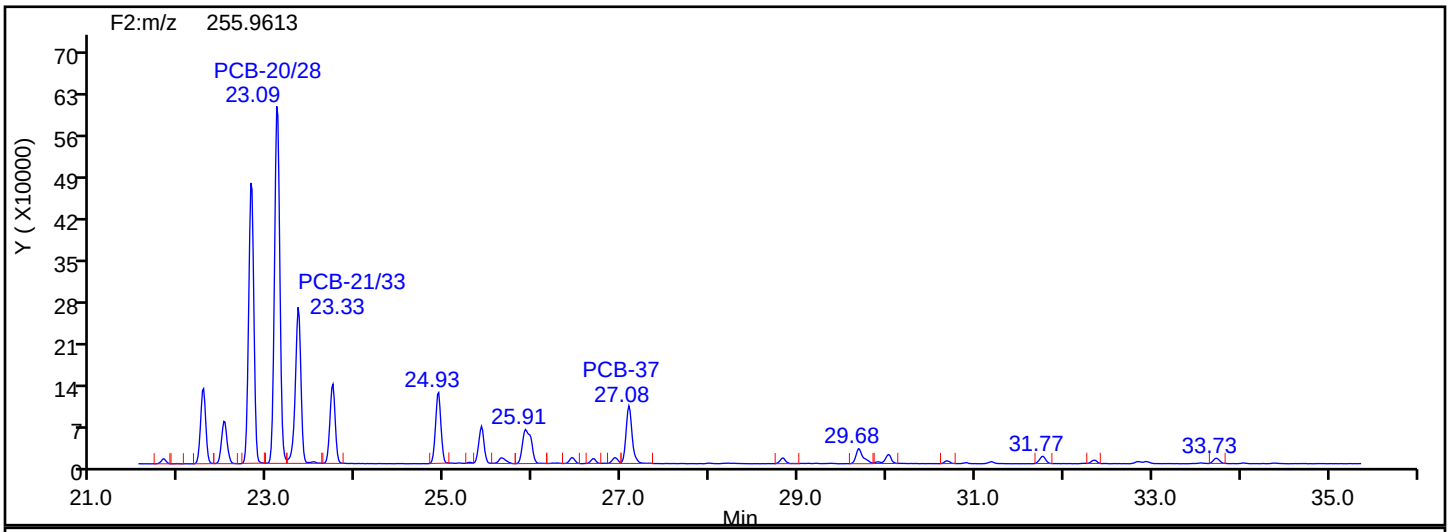
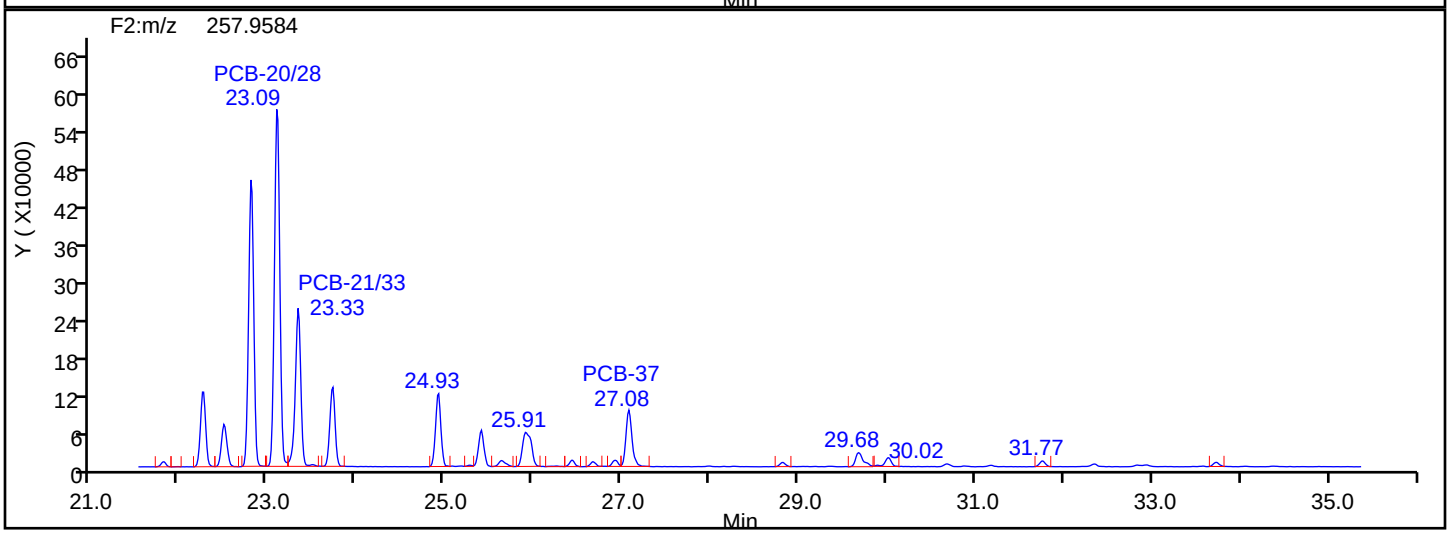
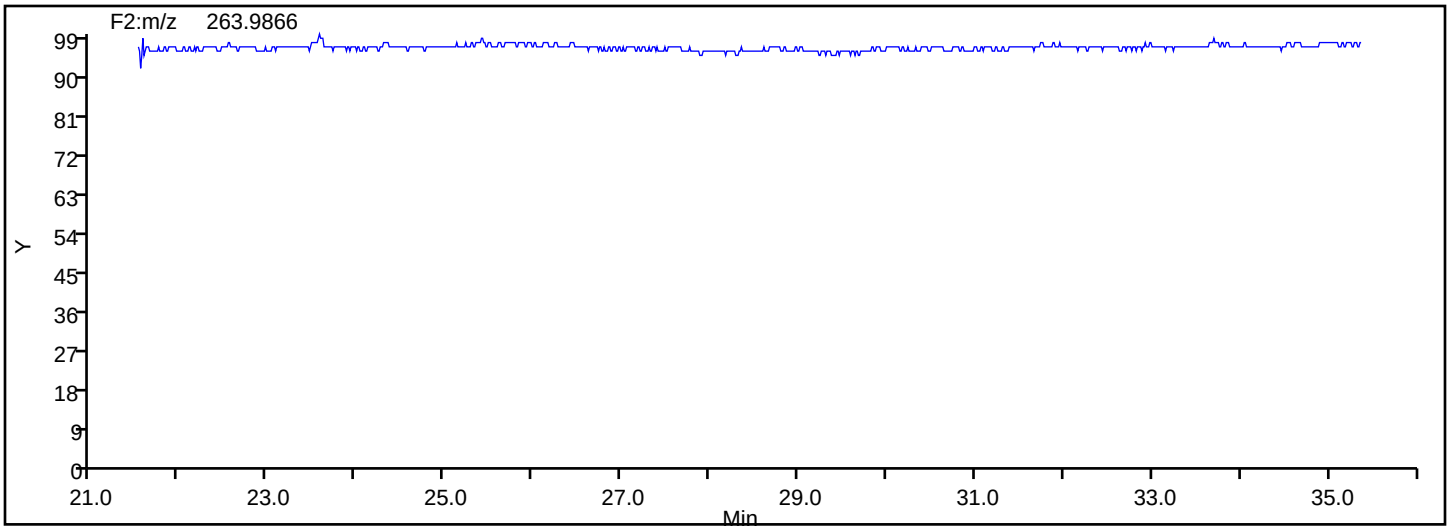
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

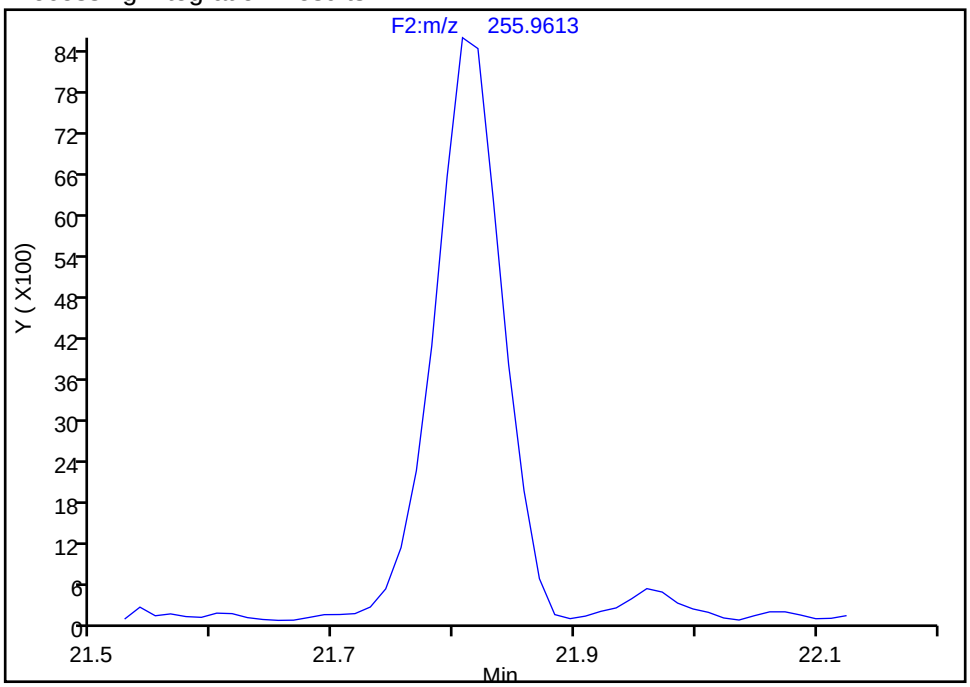
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

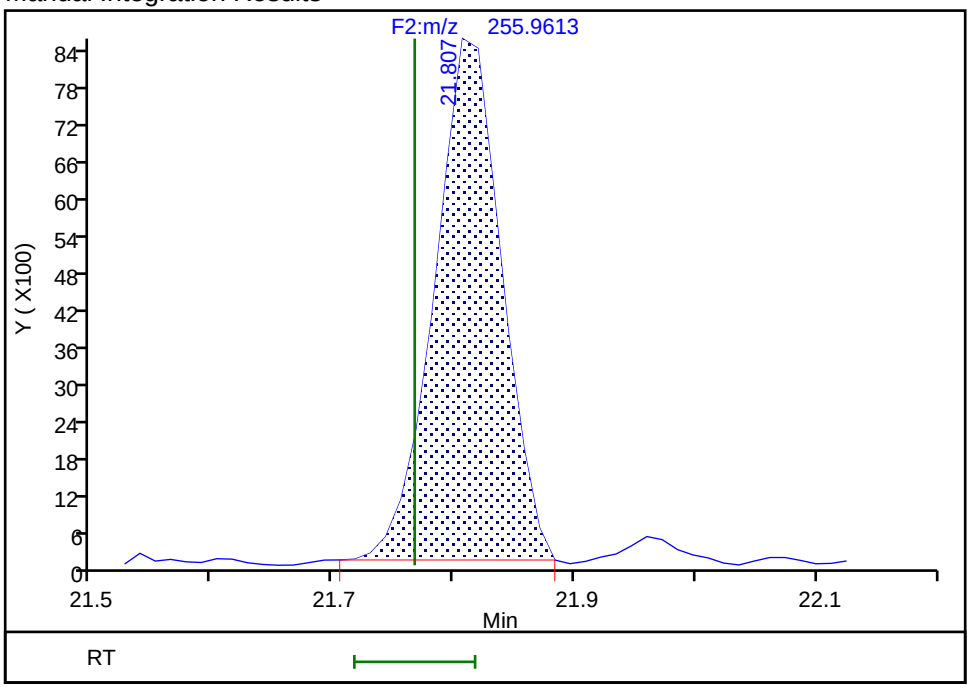
Not Detected
Expected RT: 21.77

Processing Integration Results




Manual Integration Results

RT: 21.81
Area: 32384
Amount: 1.340687
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:51:04
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

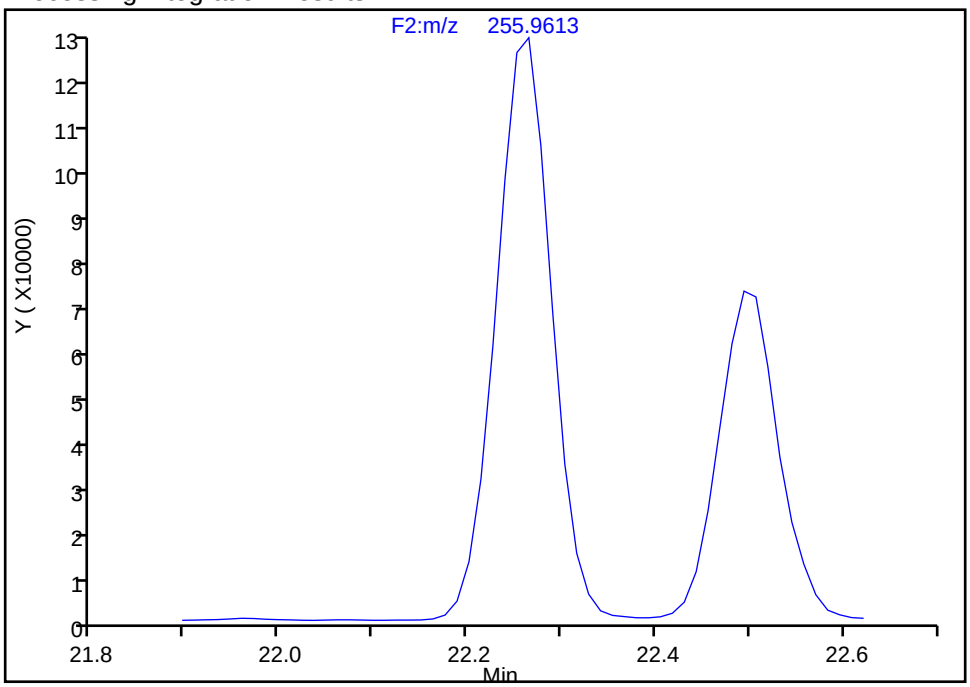
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

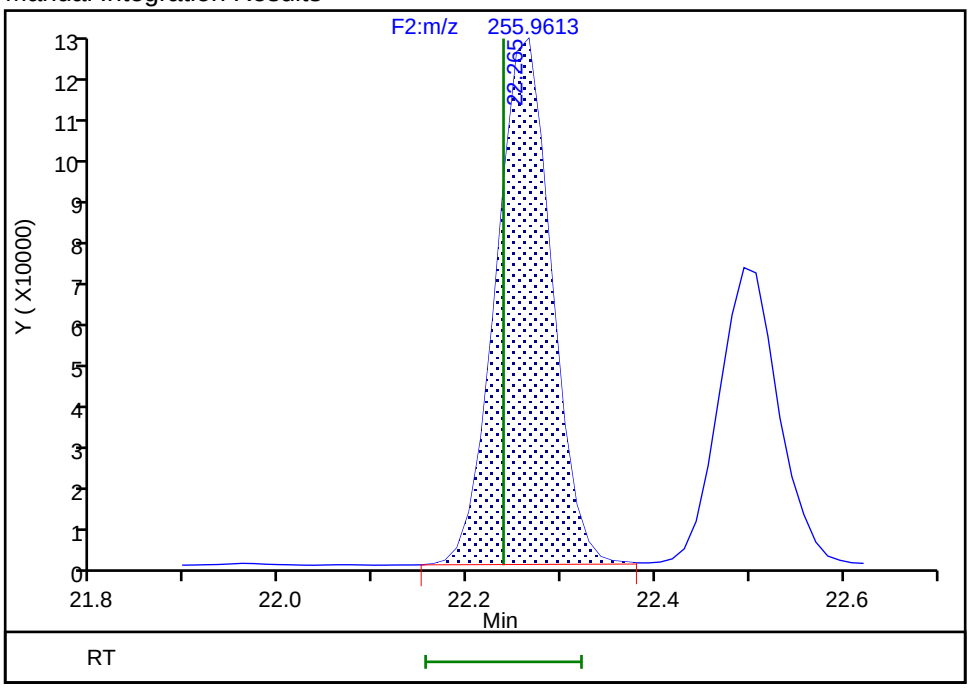
Not Detected
Expected RT: 22.24

Processing Integration Results




Manual Integration Results

RT: 22.27
Area: 523121
Amount: 19.683724
Amount Units: pg/ul

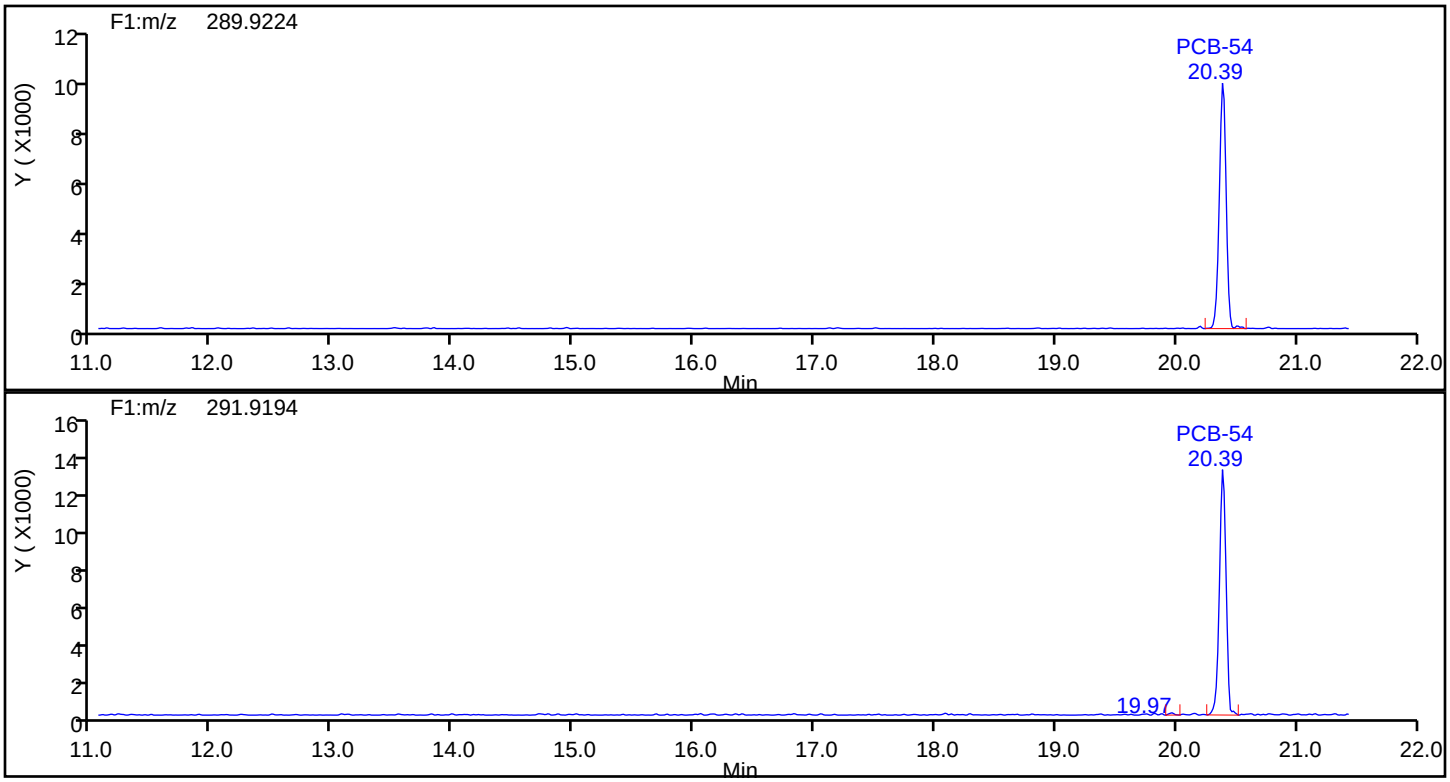



Reviewer: nordquistj, 03-Oct-2019 16:51:21
Audit Action: Assigned Compound ID Audit Reason: Split Peak

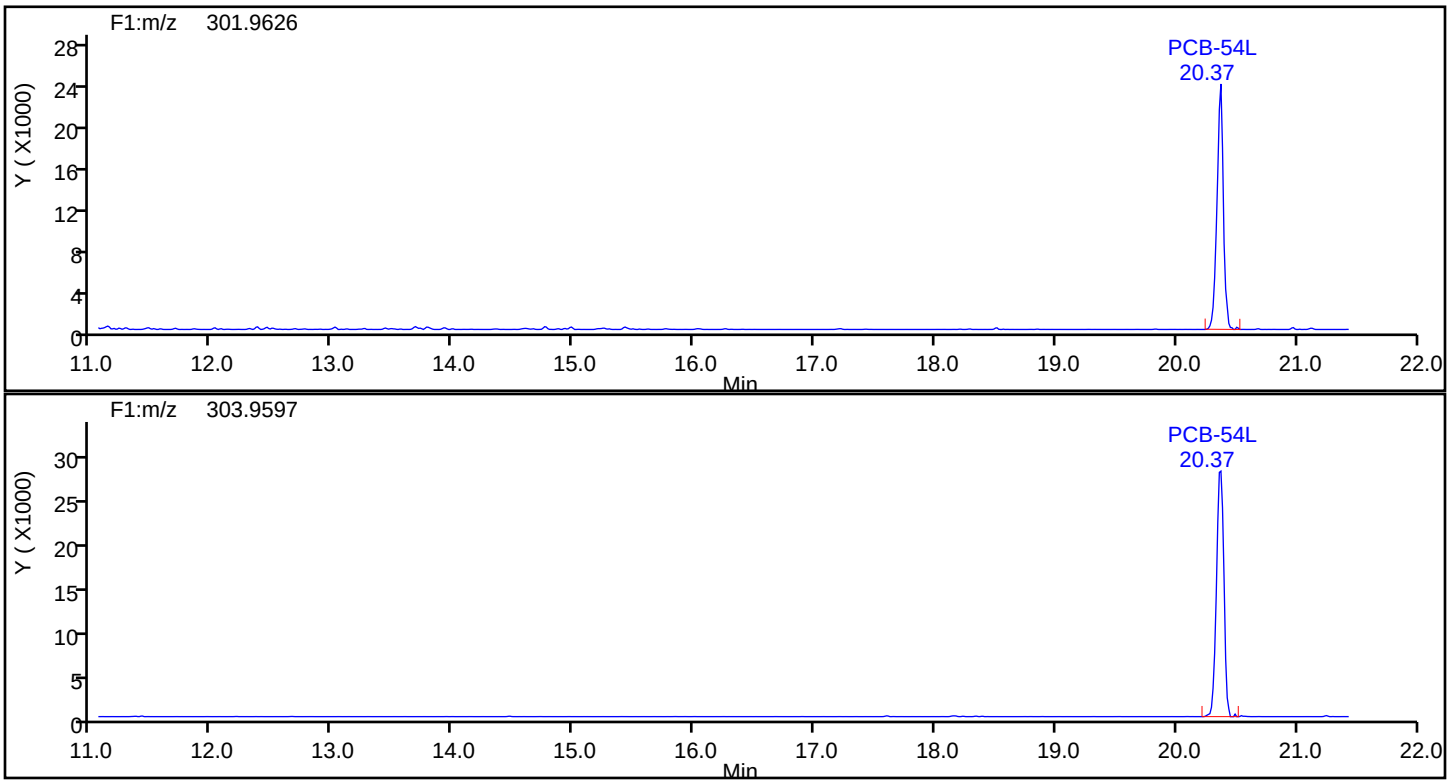
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



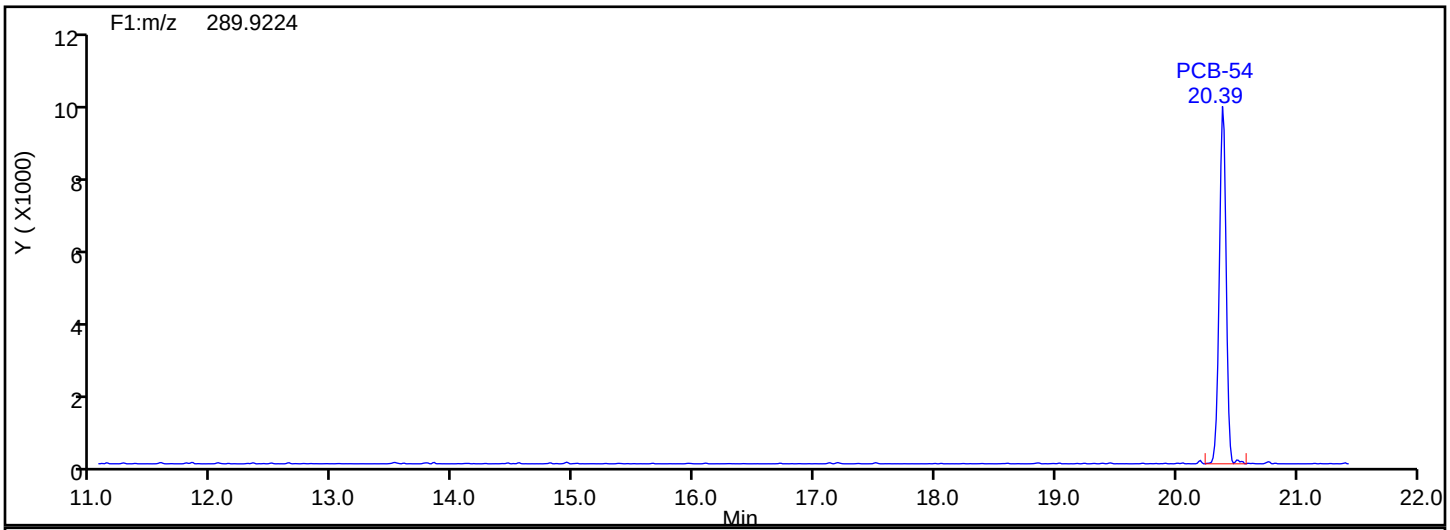

TePCB F1 Standards

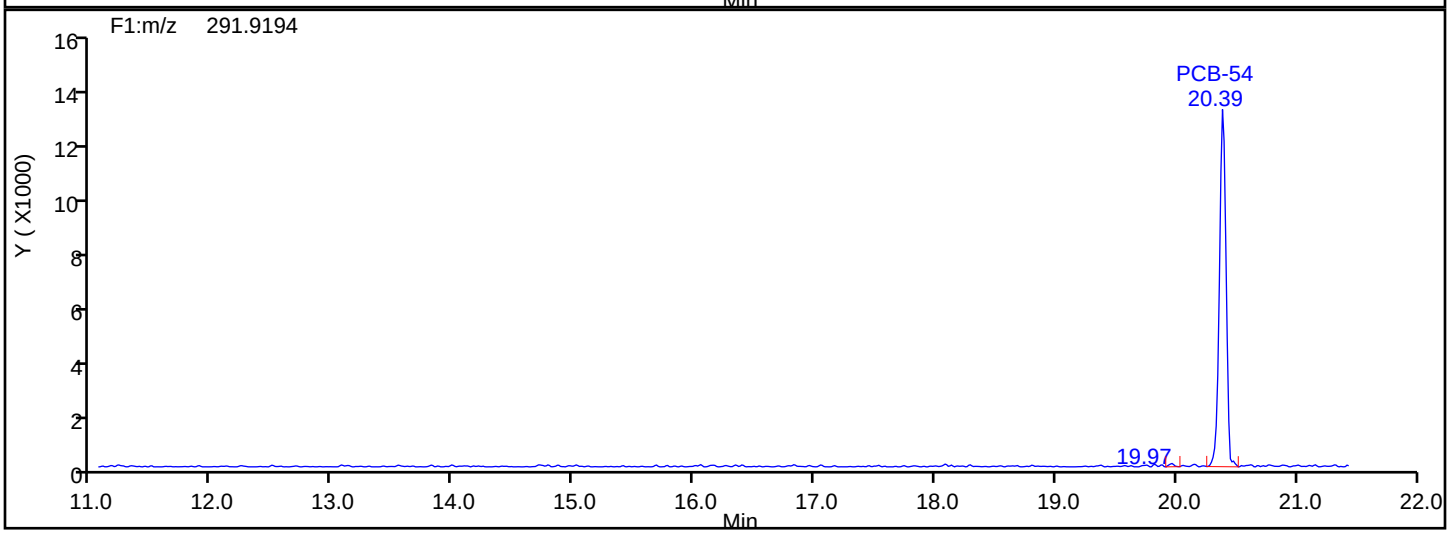


Eurofins TestAmerica, Knoxville

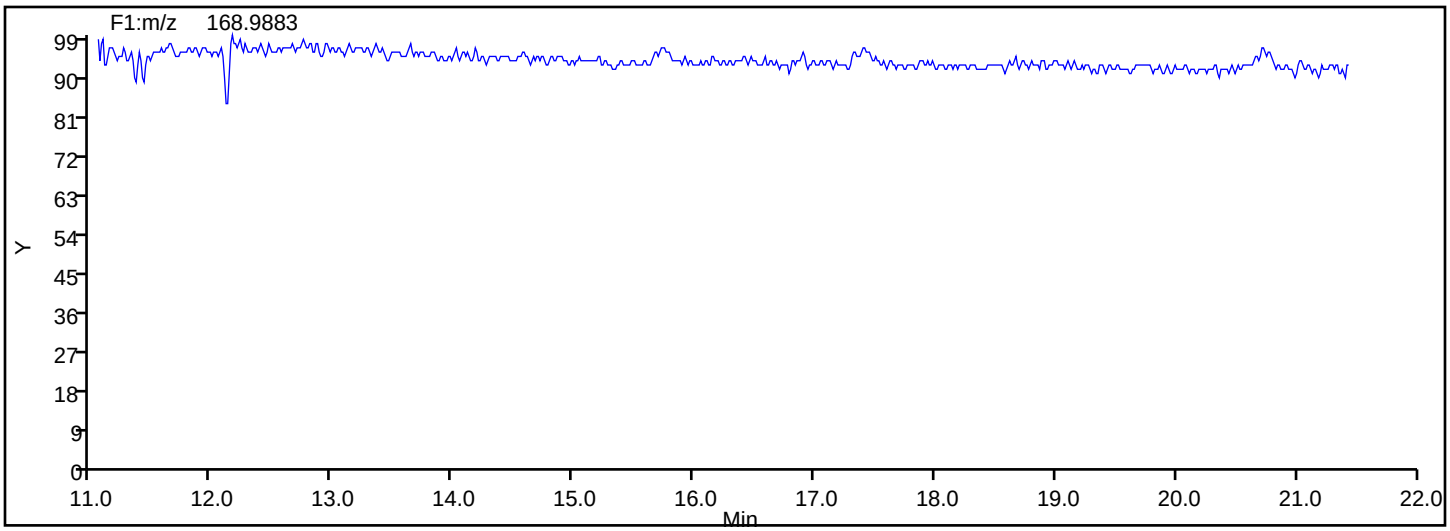
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



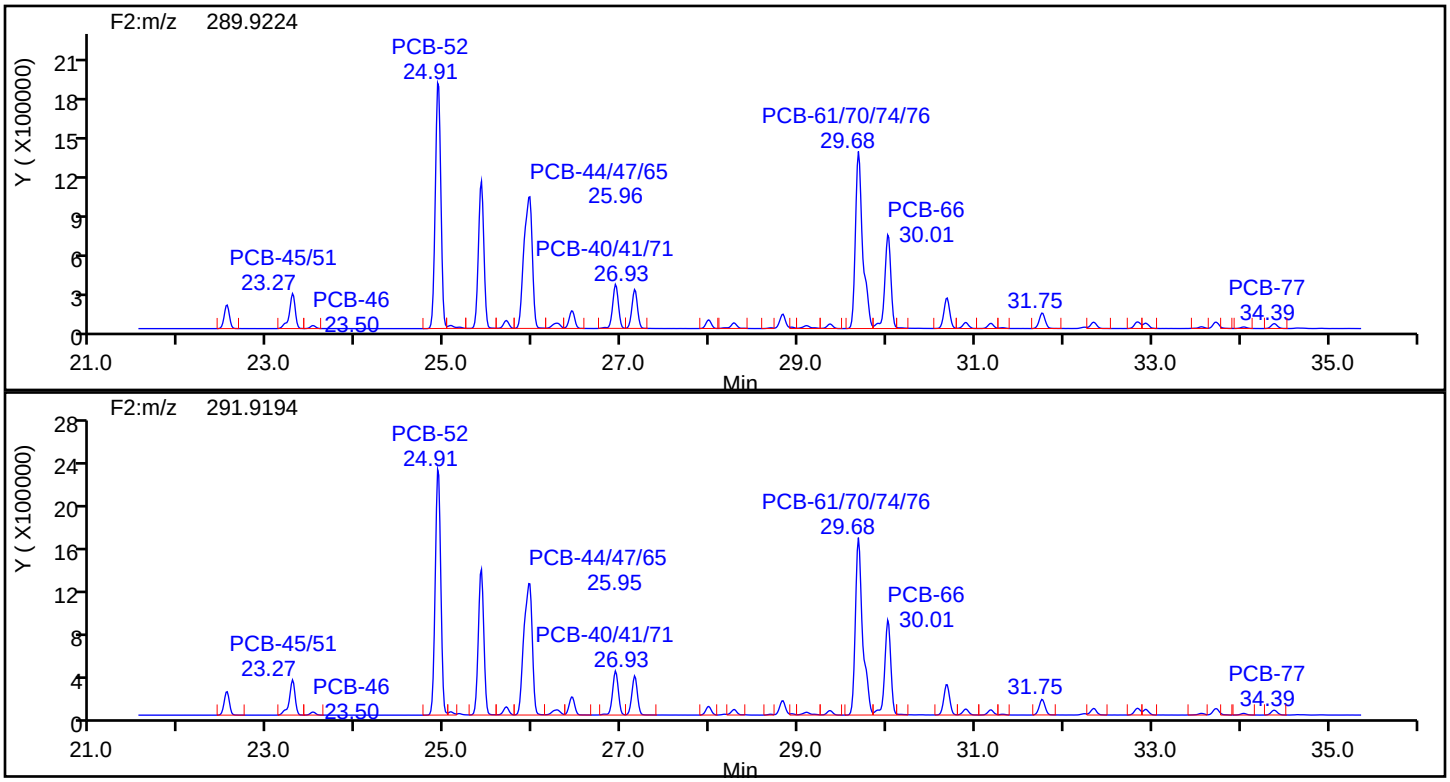

TePCB F1 Lock Mass



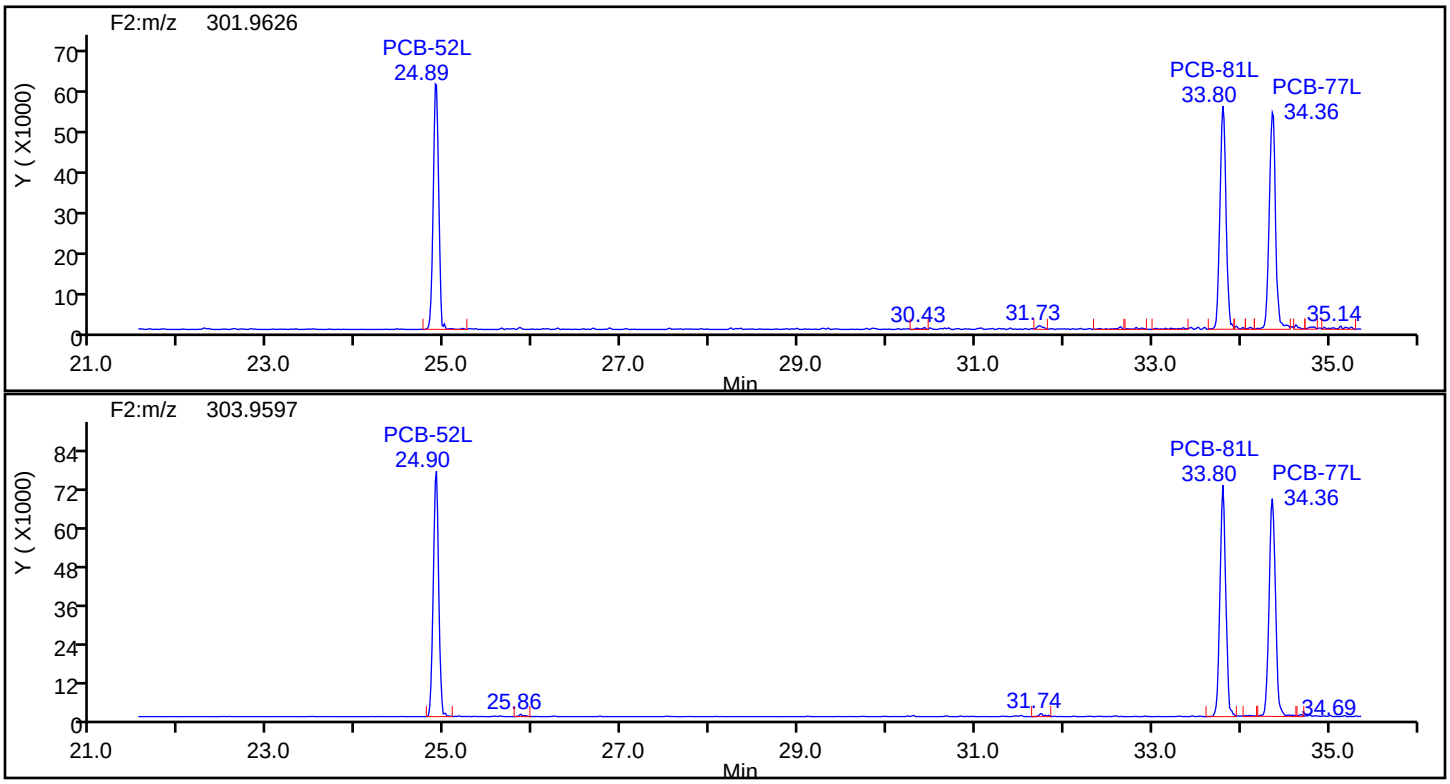
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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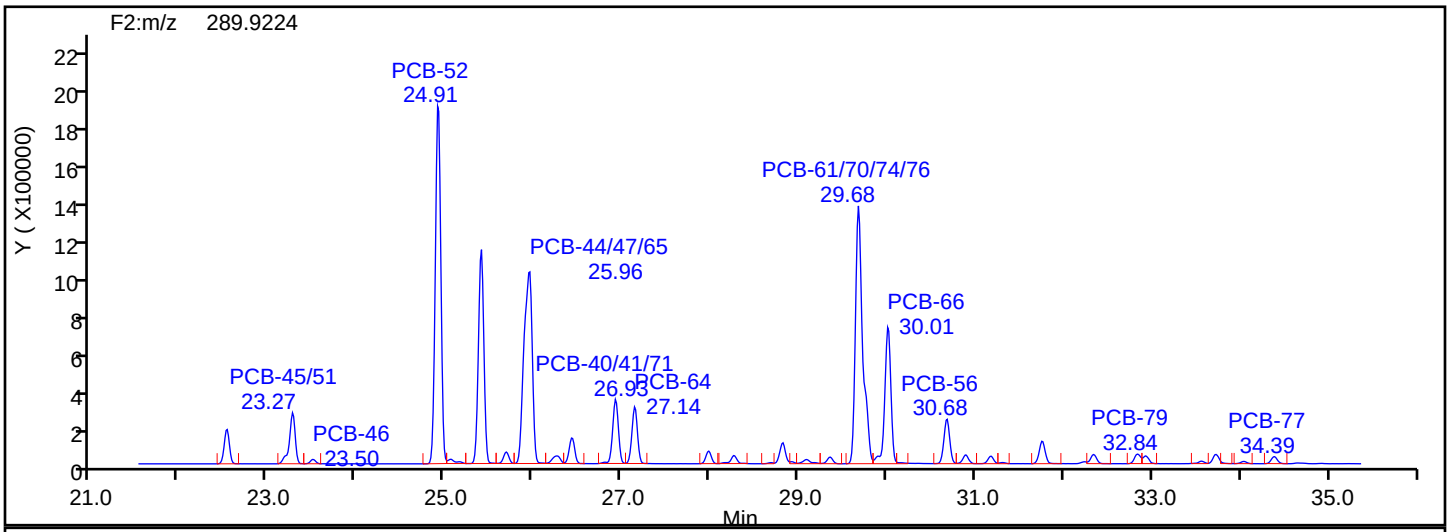
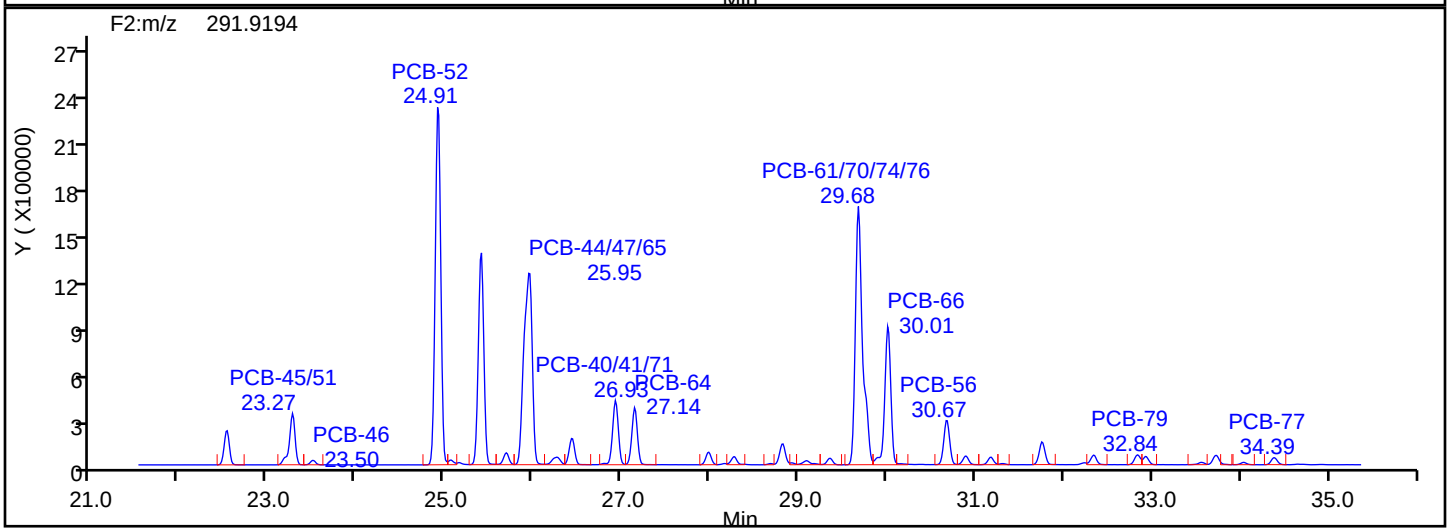
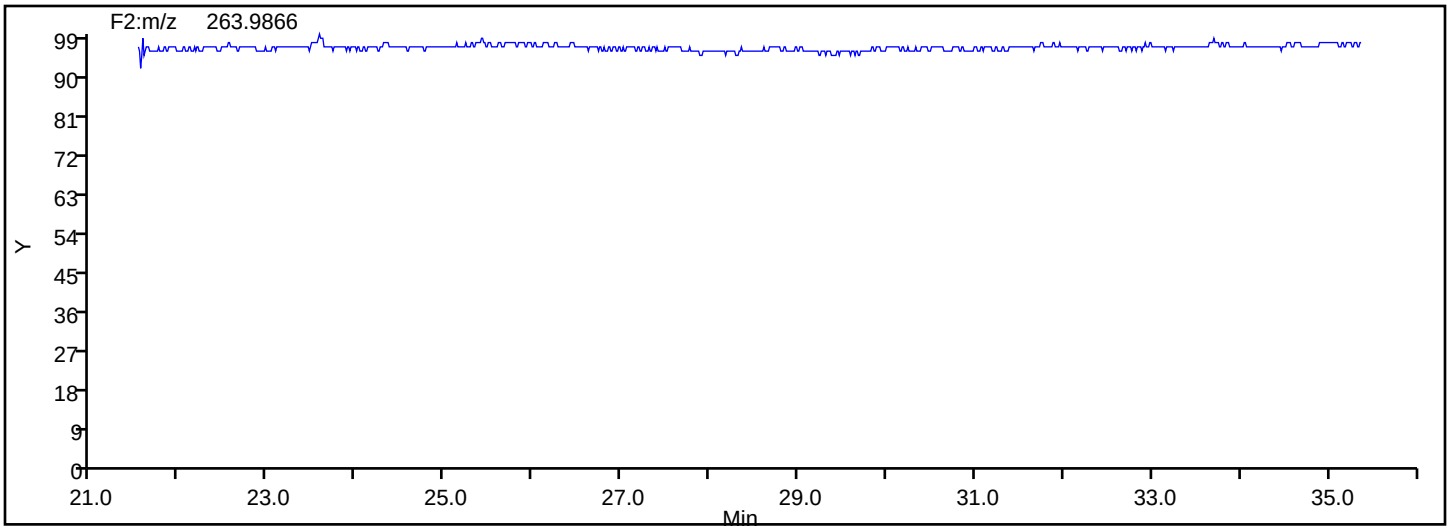
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

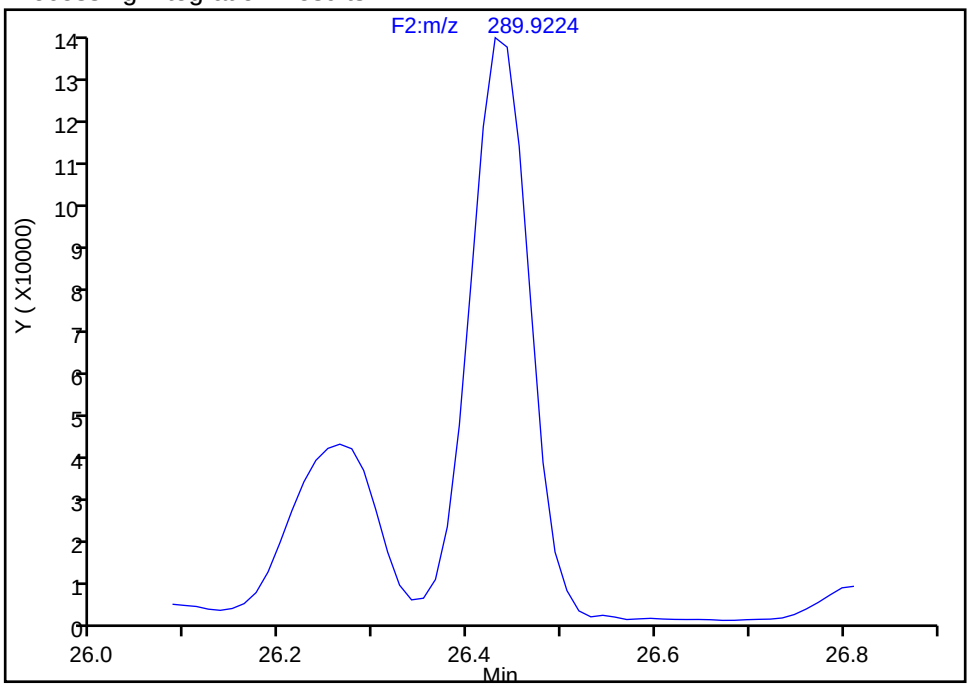
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-42, CAS: 36559-22-5

Signal: 1

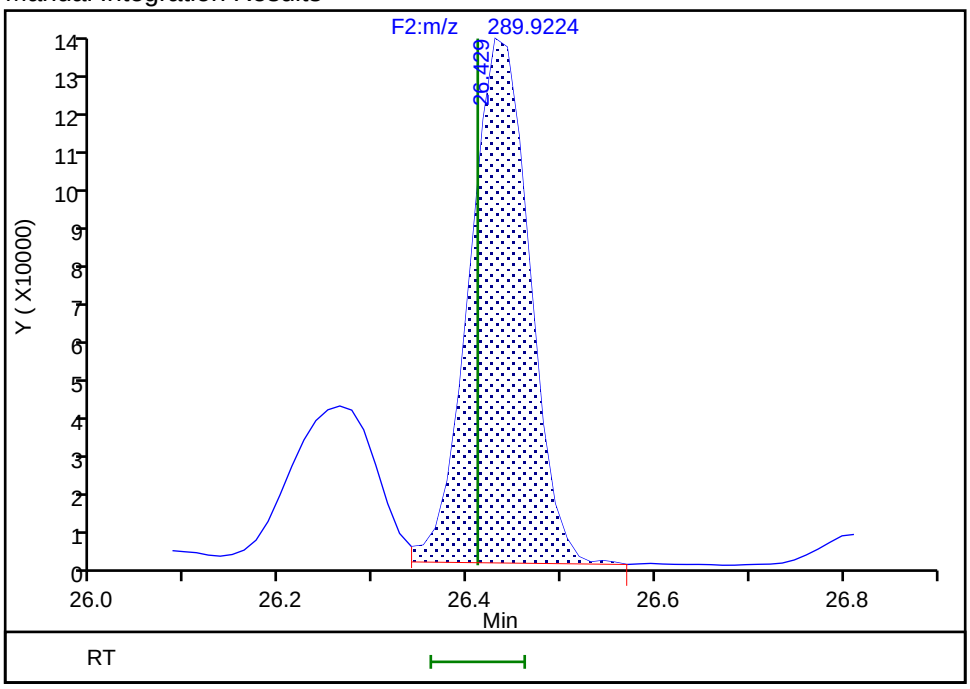
Not Detected
Expected RT: 26.41

Processing Integration Results




Manual Integration Results

RT: 26.43
Area: 588254
Amount: 50.926560
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:53:13
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

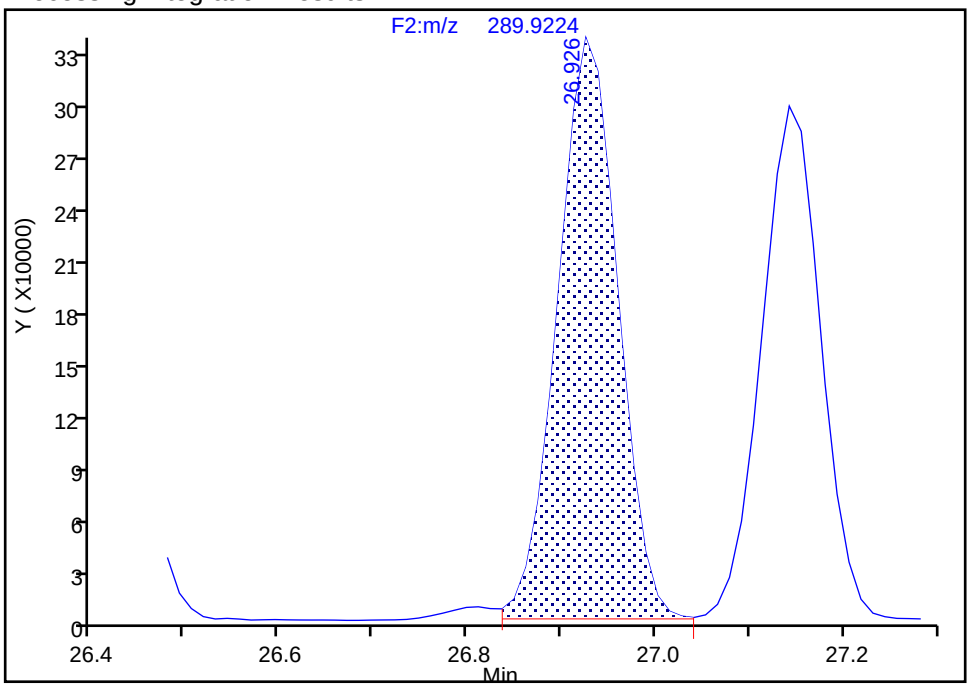
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

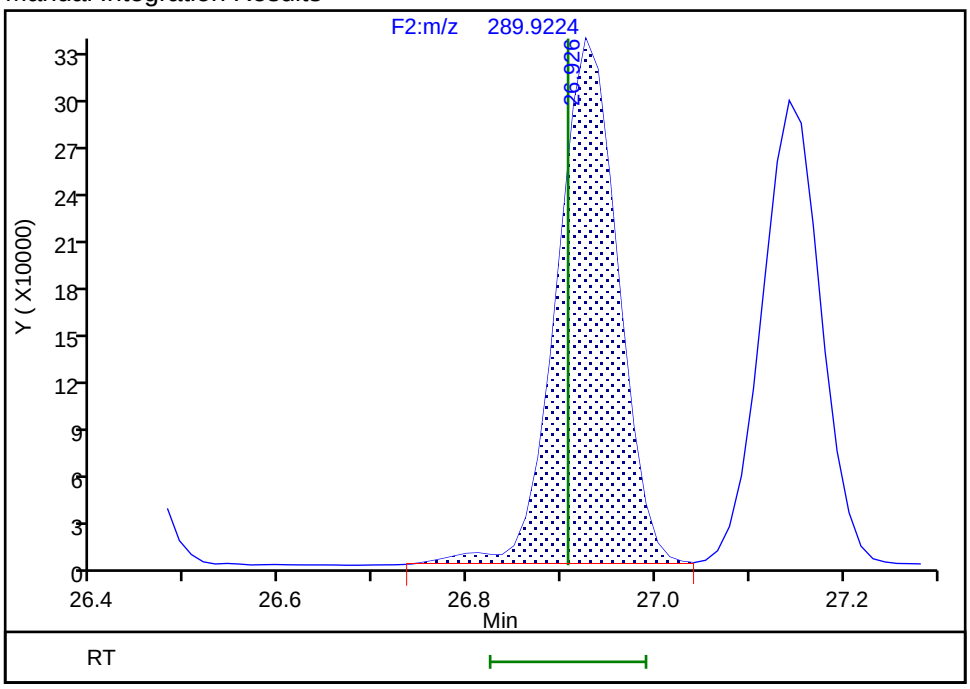
Processing Integration Results

RT: 26.93
Area: 1482026
Amount: 119.9374
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 1501830
Amount: 121.8026
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:52:48

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

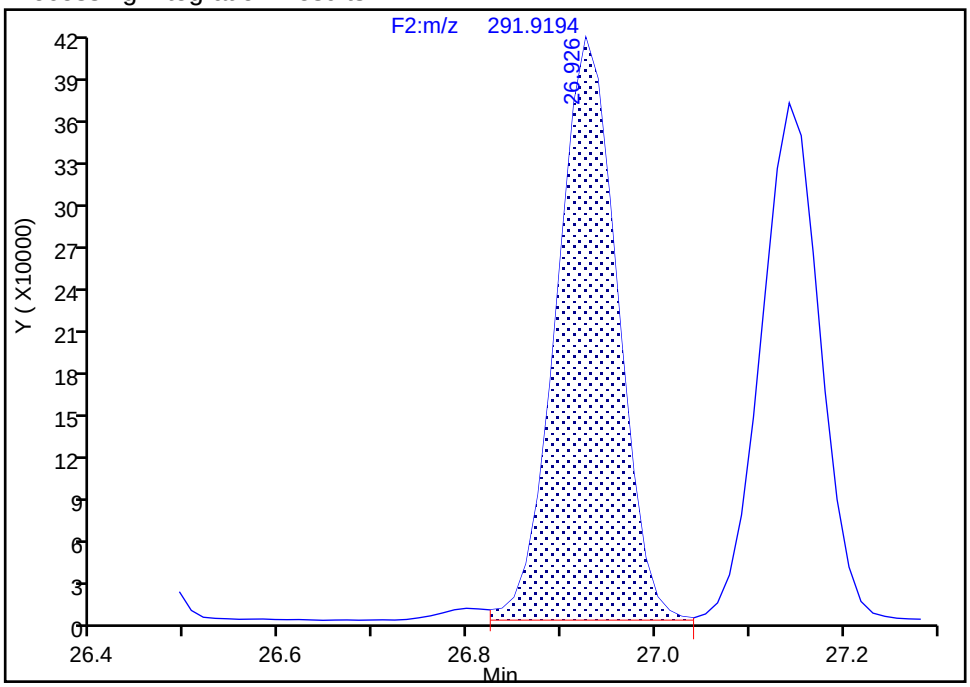
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

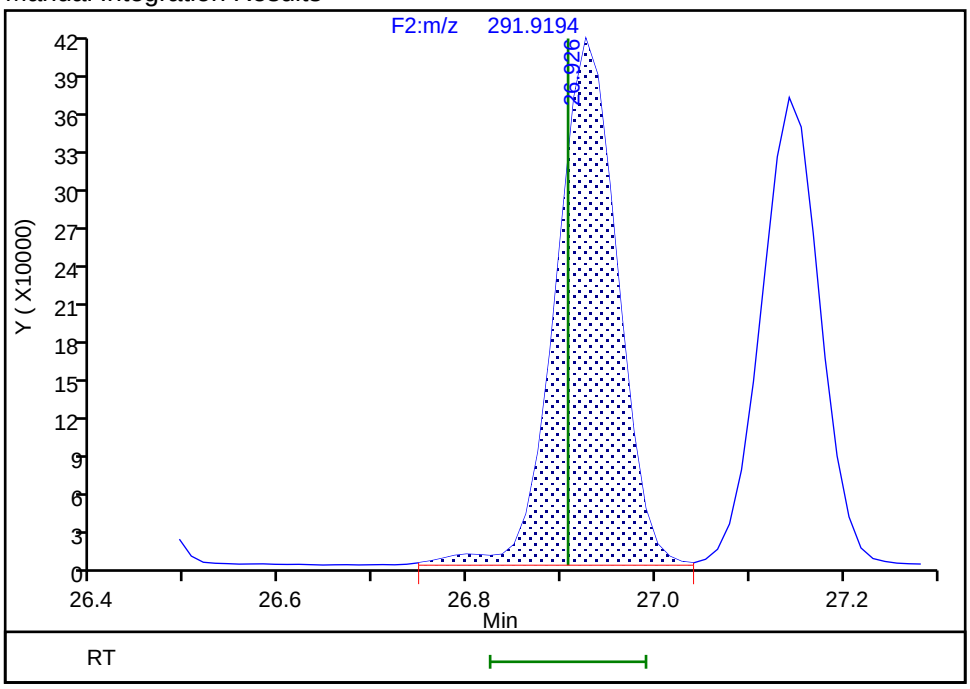
Processing Integration Results

RT: 26.93
Area: 1871448
Amount: 119.9374
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 1903795
Amount: 121.8026
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:52:58

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

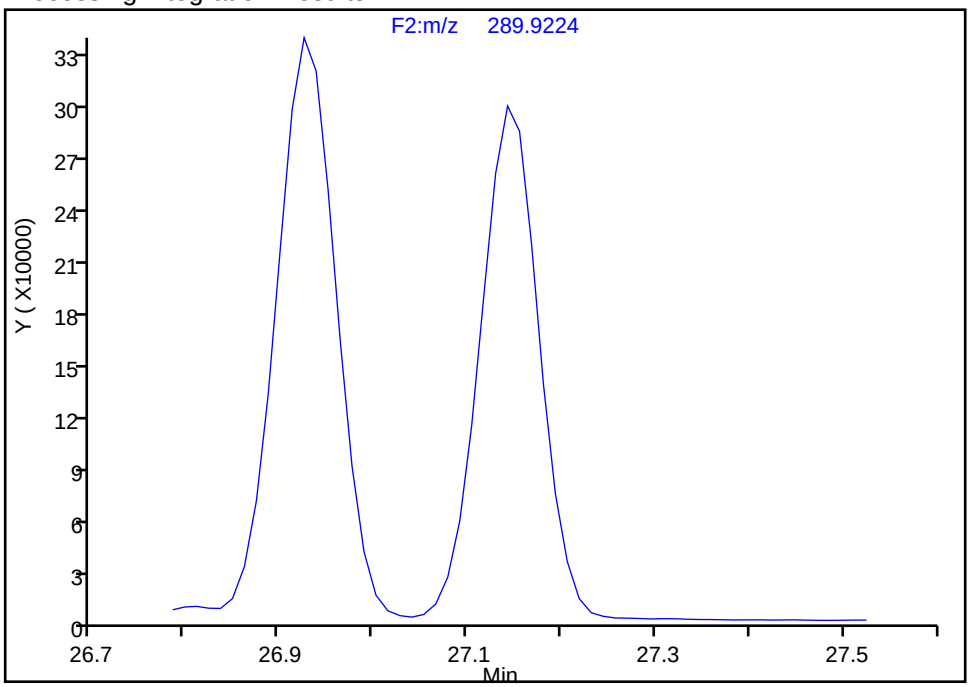
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

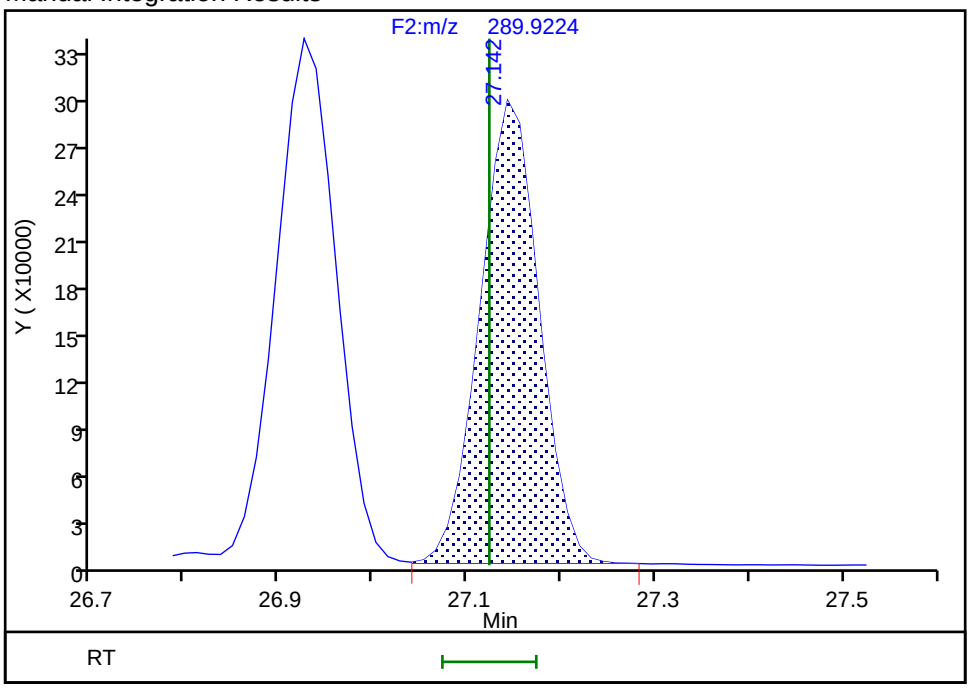
Not Detected
Expected RT: 27.12

Processing Integration Results




Manual Integration Results

RT: 27.14
Area: 1283750
Amount: 67.295780
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:53:05
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

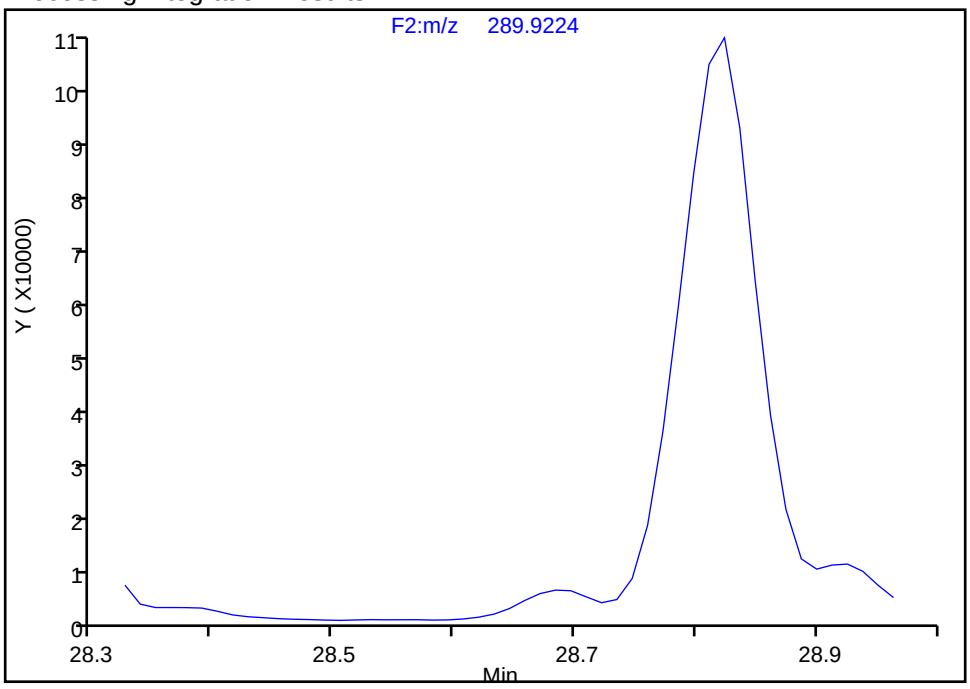
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 1

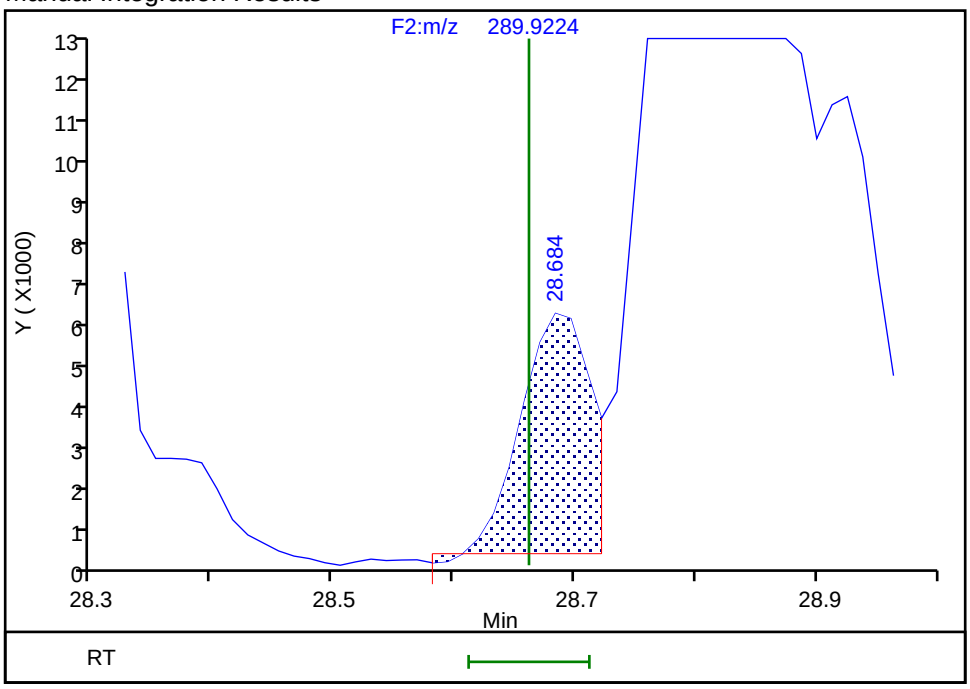
Not Detected
Expected RT: 28.66

Processing Integration Results




Manual Integration Results

RT: 28.68
Area: 20909
Amount: 1.288839
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:53:28
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

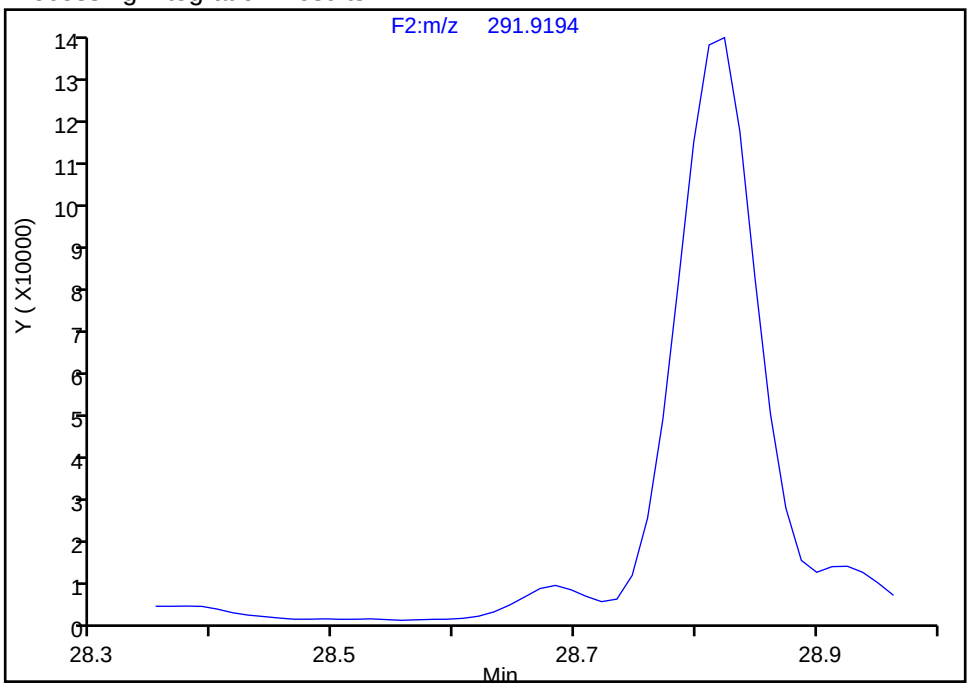
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 2

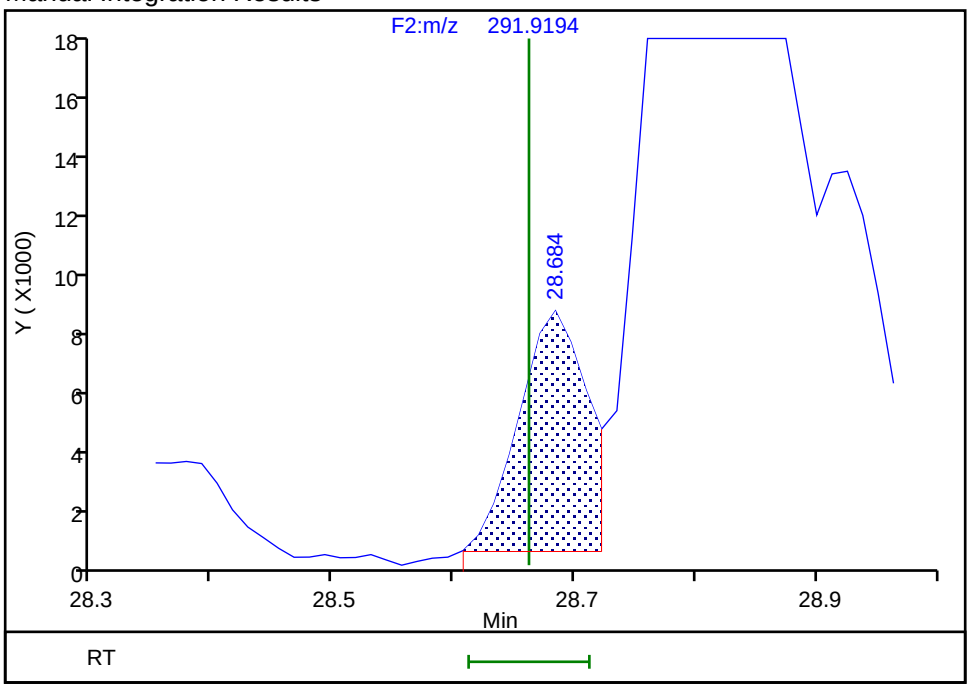
Not Detected
Expected RT: 28.66

Processing Integration Results




Manual Integration Results

RT: 28.68
Area: 29410
Amount: 1.288839
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:53:35
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

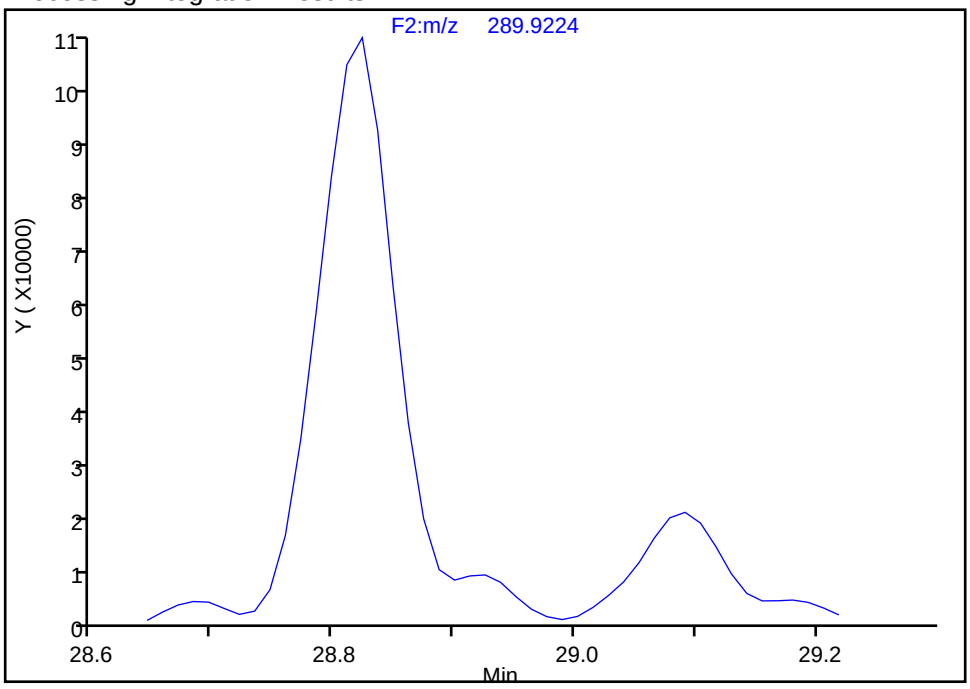
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

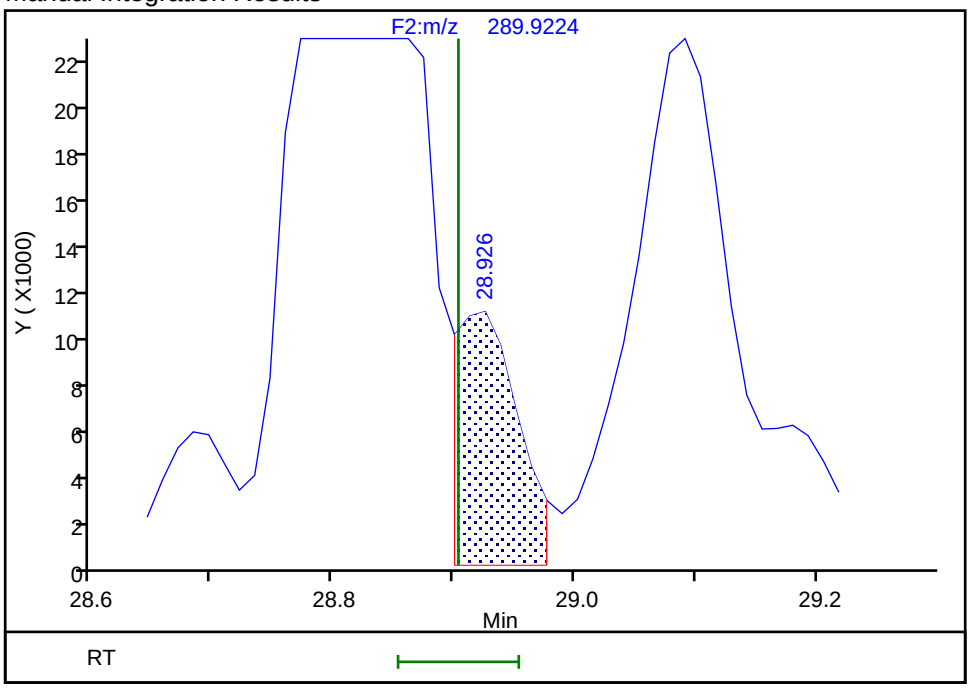
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.93
Area: 34667
Amount: 1.912560
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:53:43
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

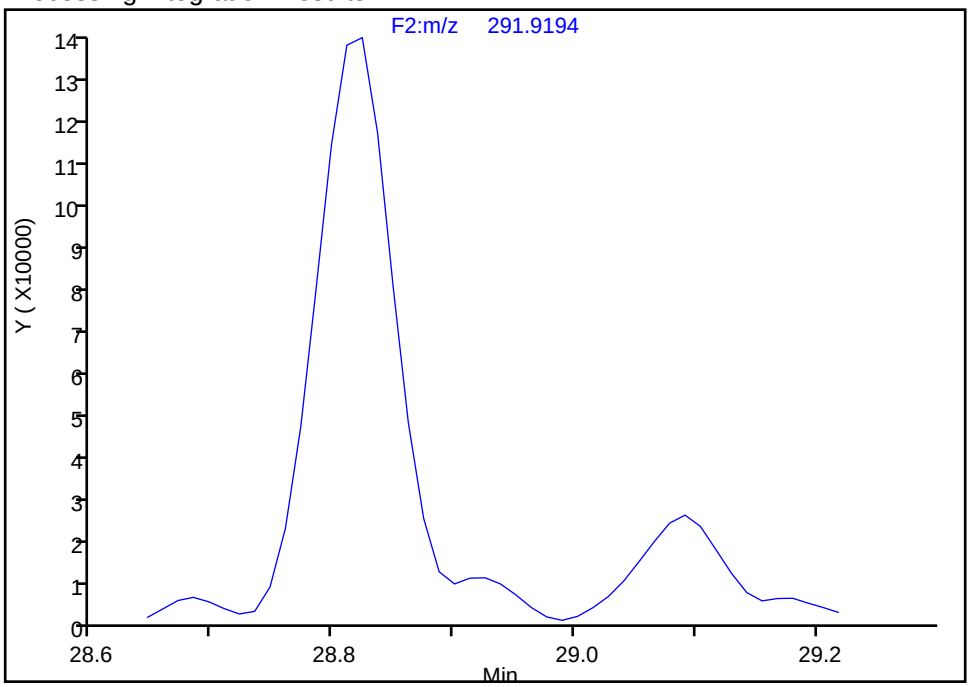
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

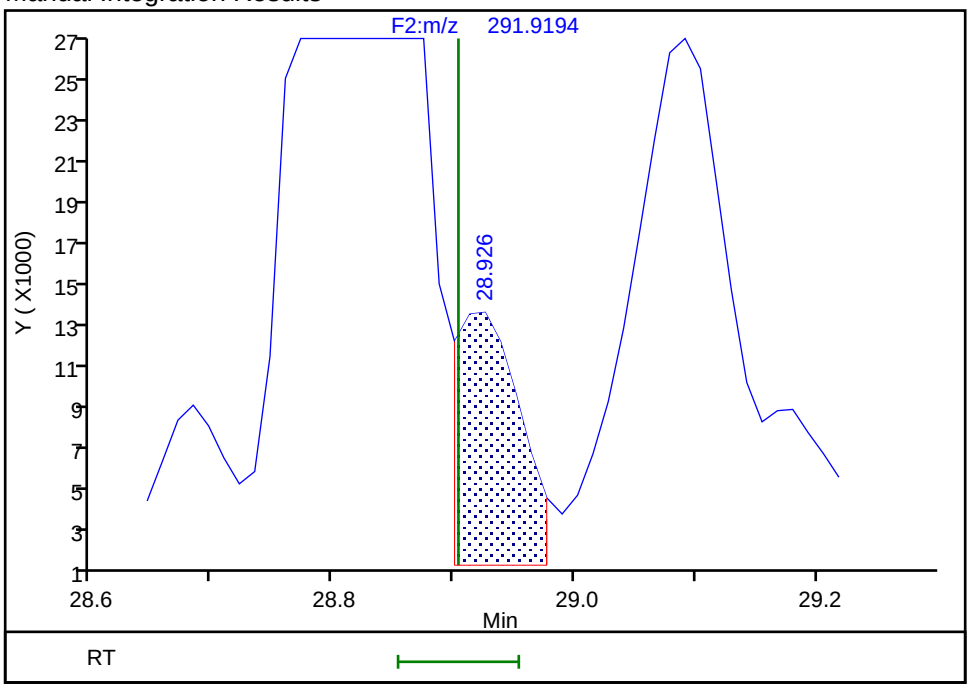
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.93
Area: 42314
Amount: 1.912560
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:53:51
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

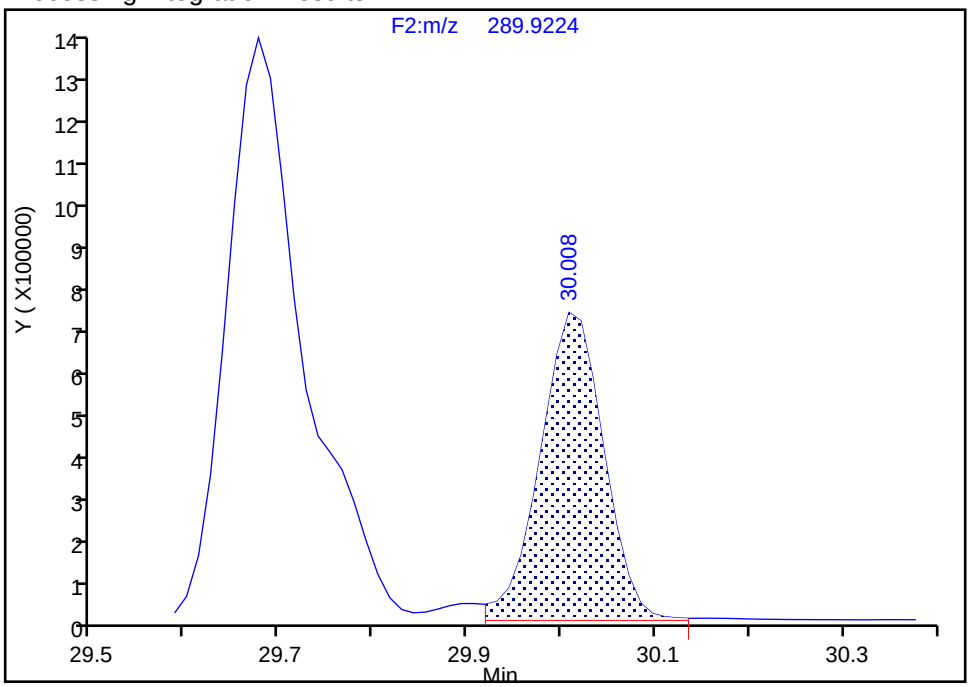
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

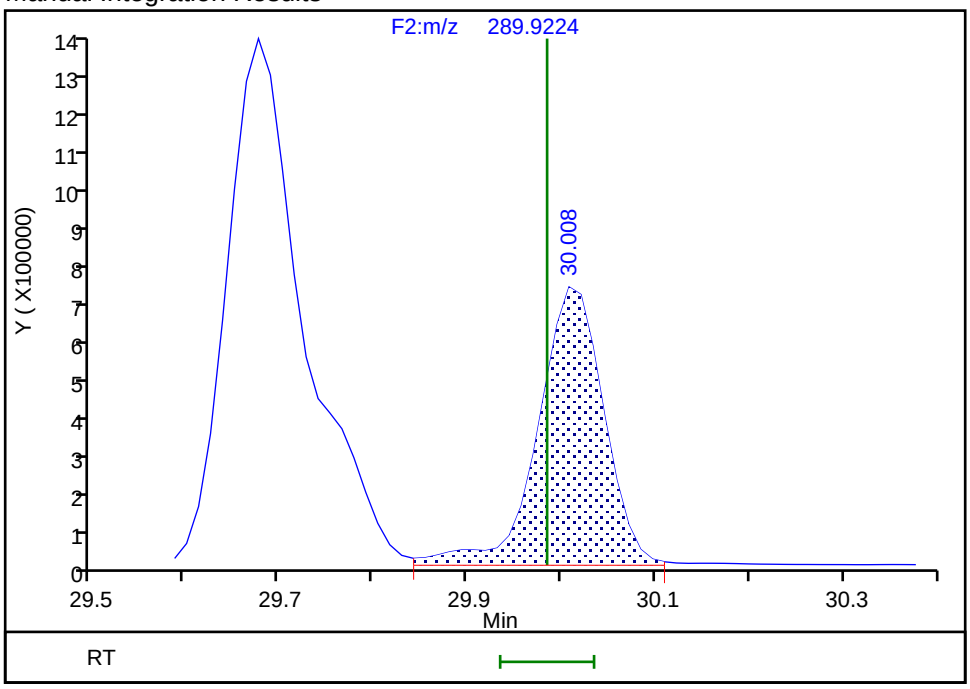
Processing Integration Results

RT: 30.01
Area: 3317804
Amount: 192.8126
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 3450072
Amount: 199.6384
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:54:02

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

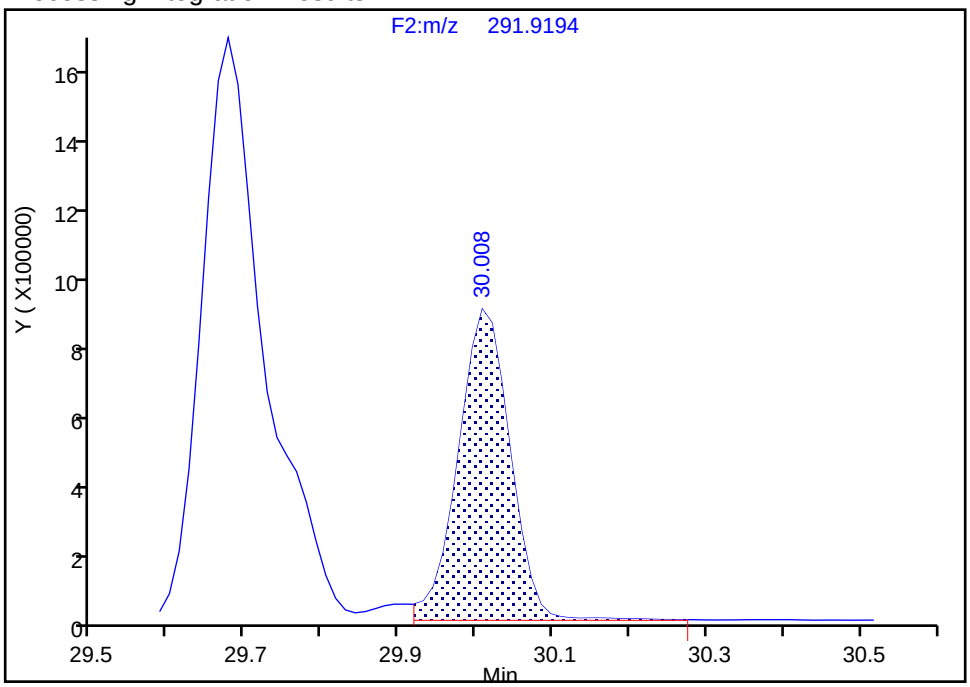
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

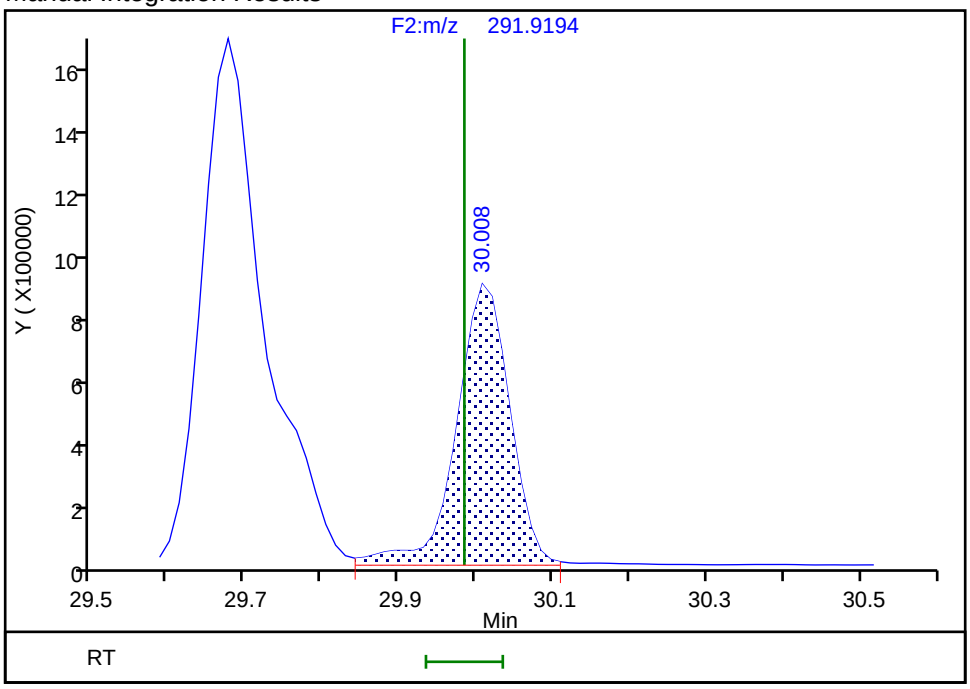
Processing Integration Results

RT: 30.01
Area: 4199927
Amount: 192.8126
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 4333792
Amount: 199.6384
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:54:14
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

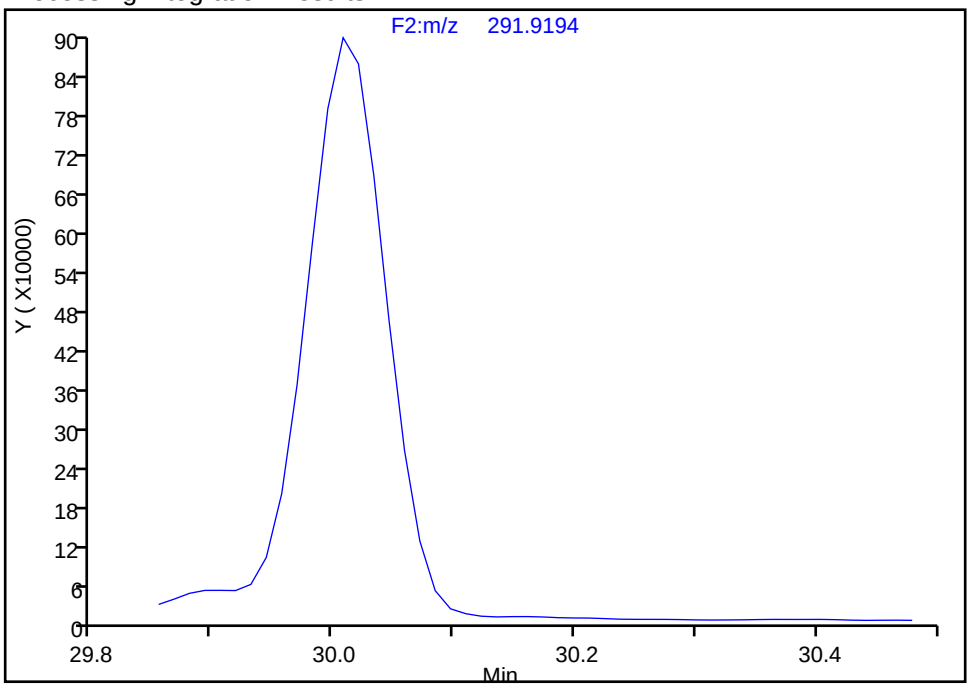
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 2

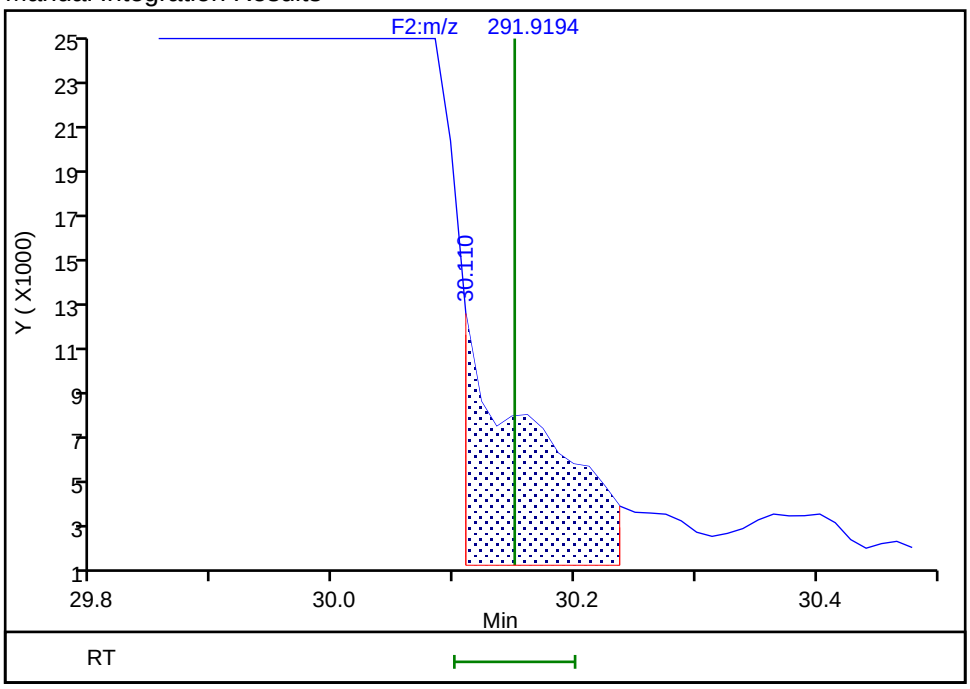
Not Detected
Expected RT: 30.15

Processing Integration Results




Manual Integration Results

RT: 30.11
Area: 42939
Amount: 1.940015
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:54:26
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

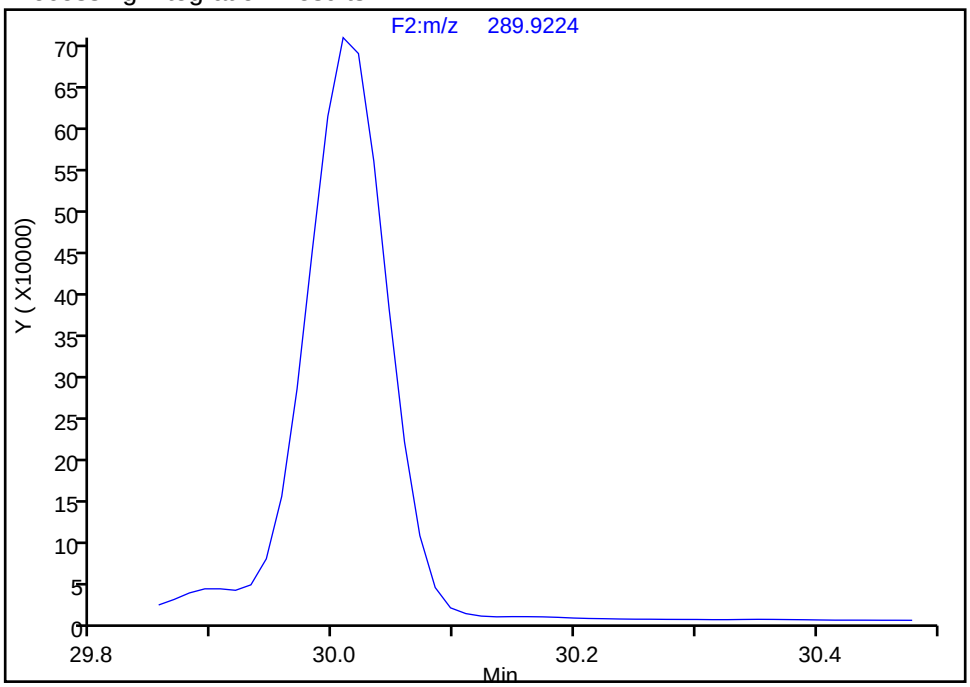
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

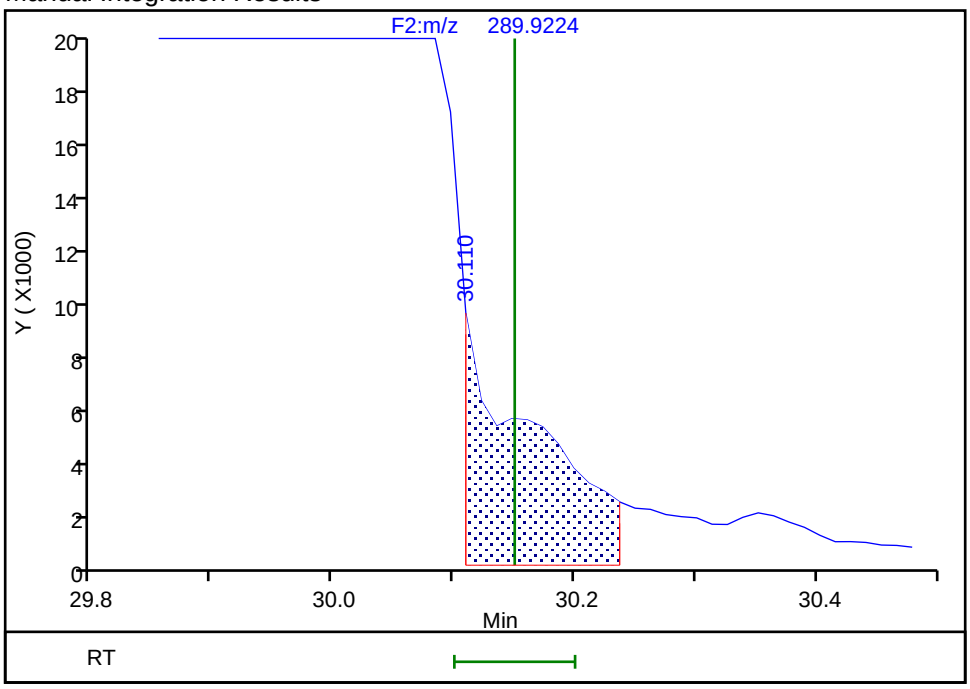
Not Detected
Expected RT: 30.15

Processing Integration Results




Manual Integration Results

RT: 30.11
Area: 33597
Amount: 1.940015
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:54:33
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

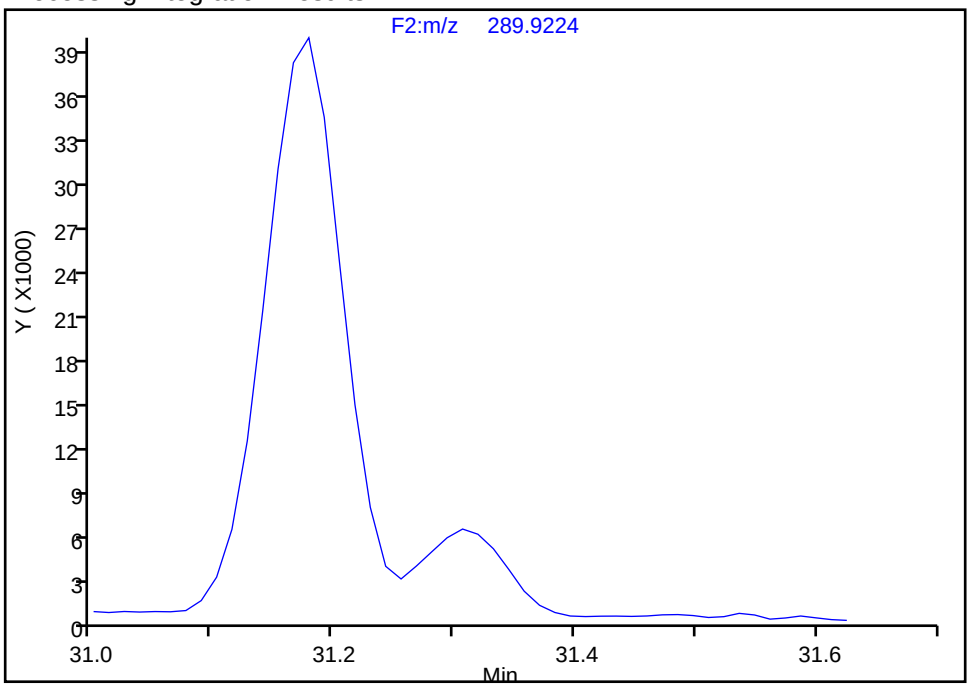
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-80, CAS: 33284-52-5

Signal: 1

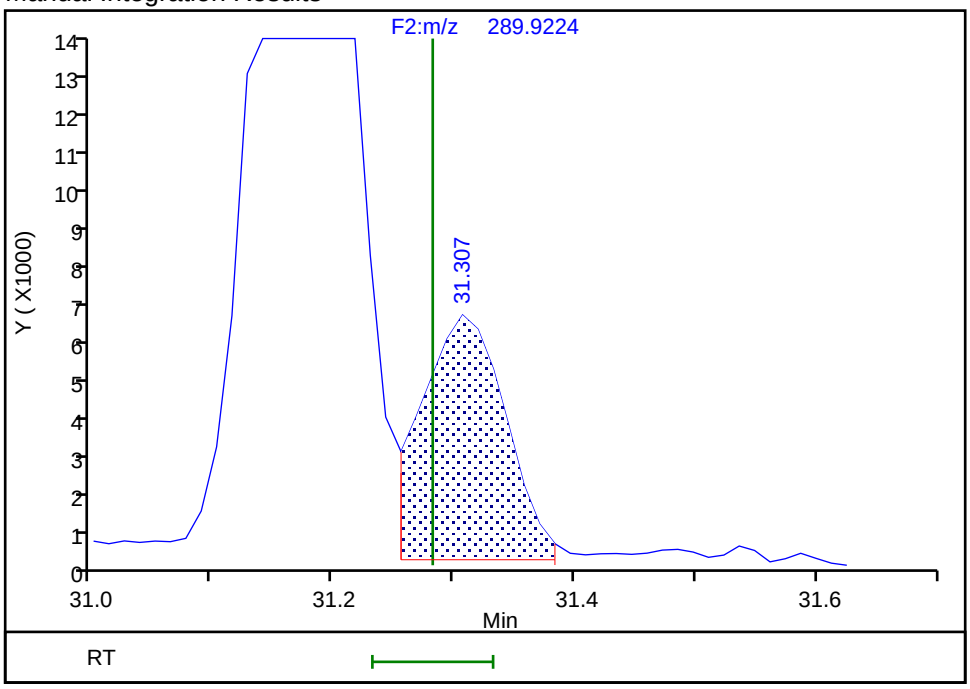
Not Detected
Expected RT: 31.28

Processing Integration Results




Manual Integration Results

RT: 31.31
Area: 28466
Amount: 1.439662
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:54:45
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

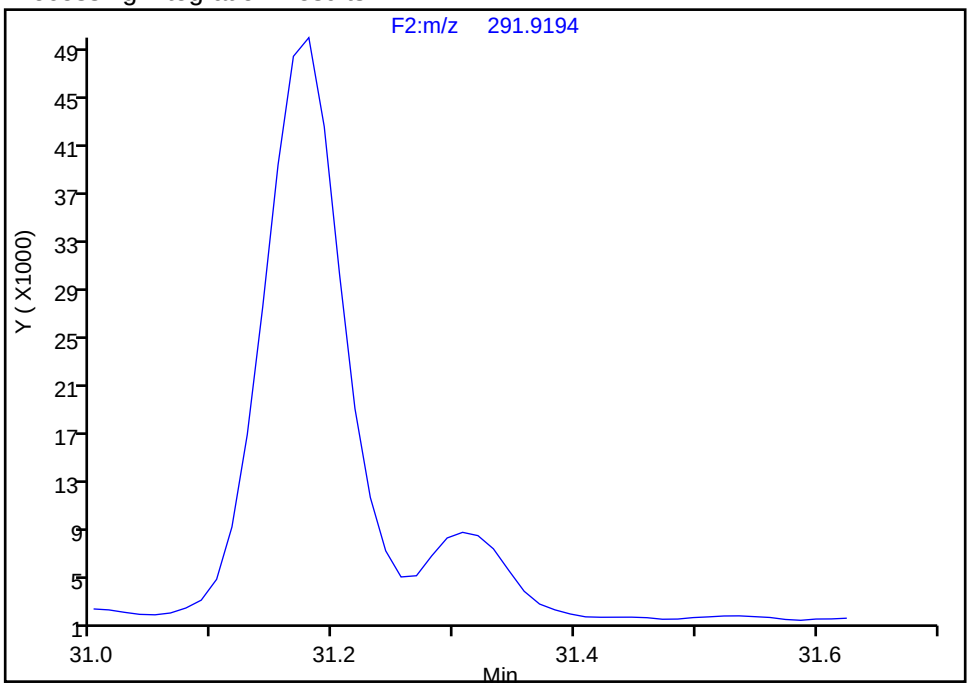
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-80, CAS: 33284-52-5

Signal: 2

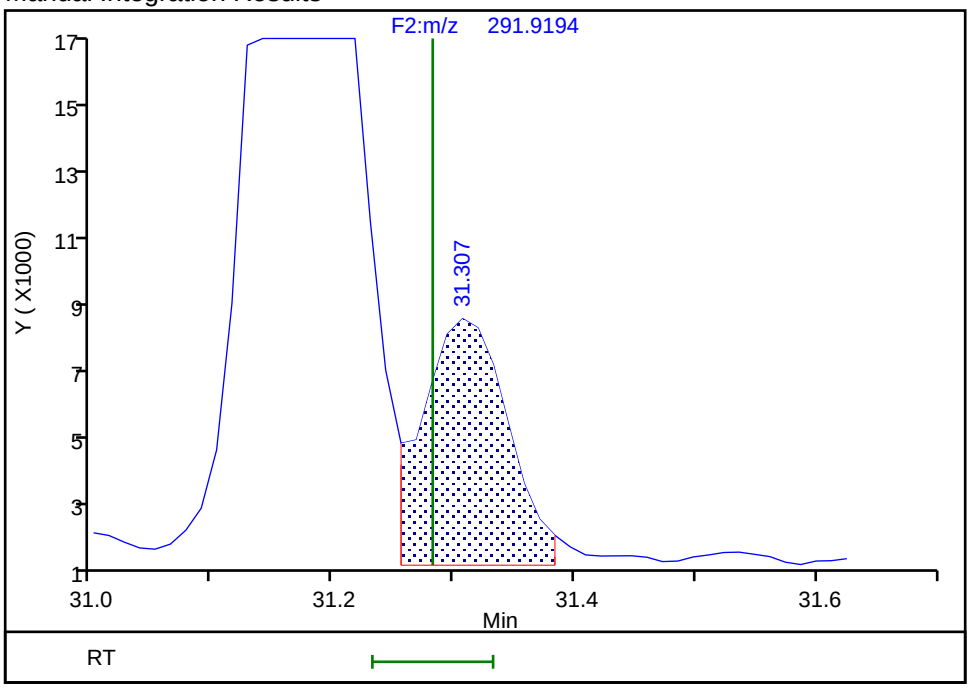
Not Detected
Expected RT: 31.28

Processing Integration Results




Manual Integration Results

RT: 31.31
Area: 35972
Amount: 1.439662
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:54:53
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

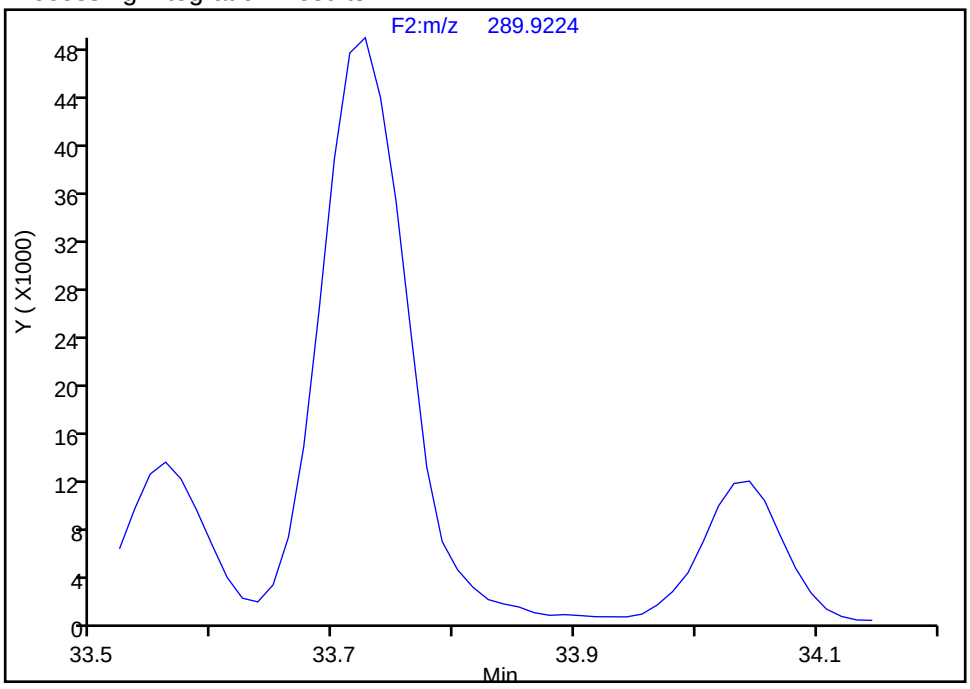
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

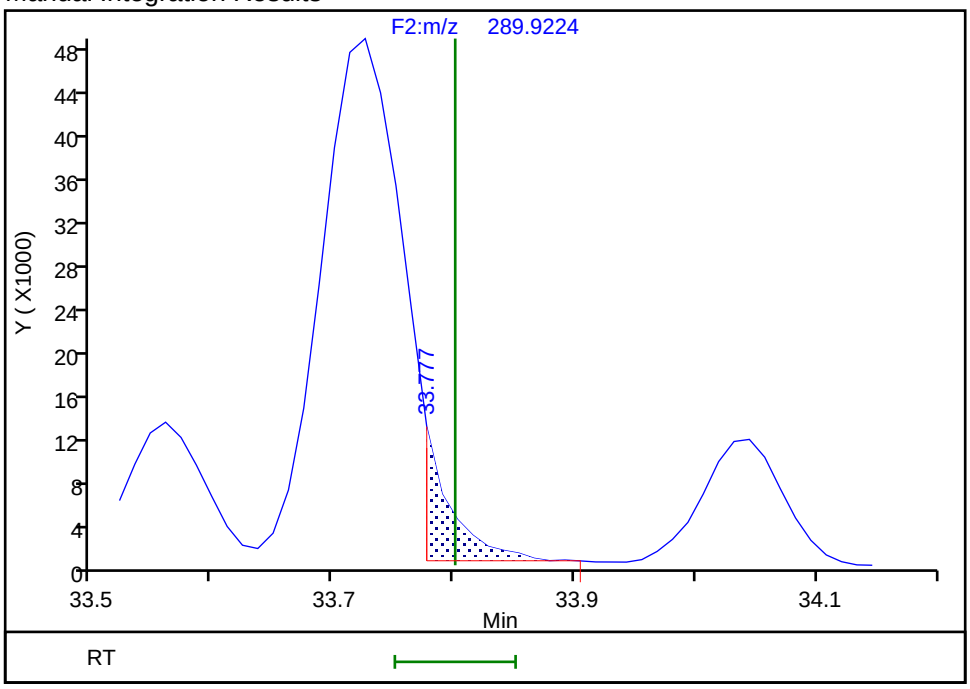
Not Detected
Expected RT: 33.80

Processing Integration Results




Manual Integration Results

RT: 33.78
Area: 16375
Amount: 1.124682
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:55:11
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

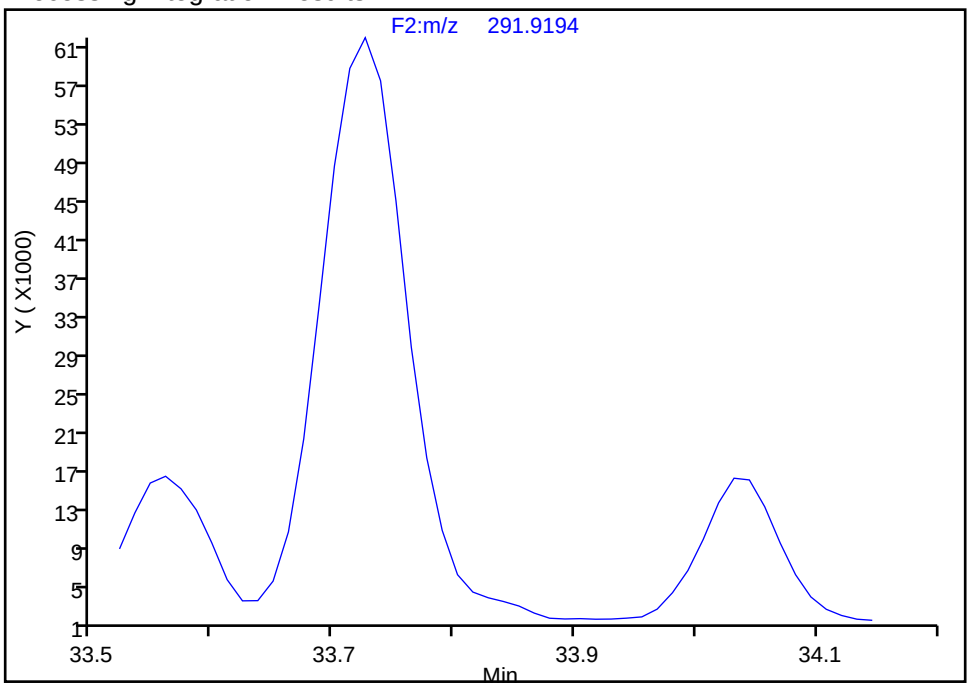
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

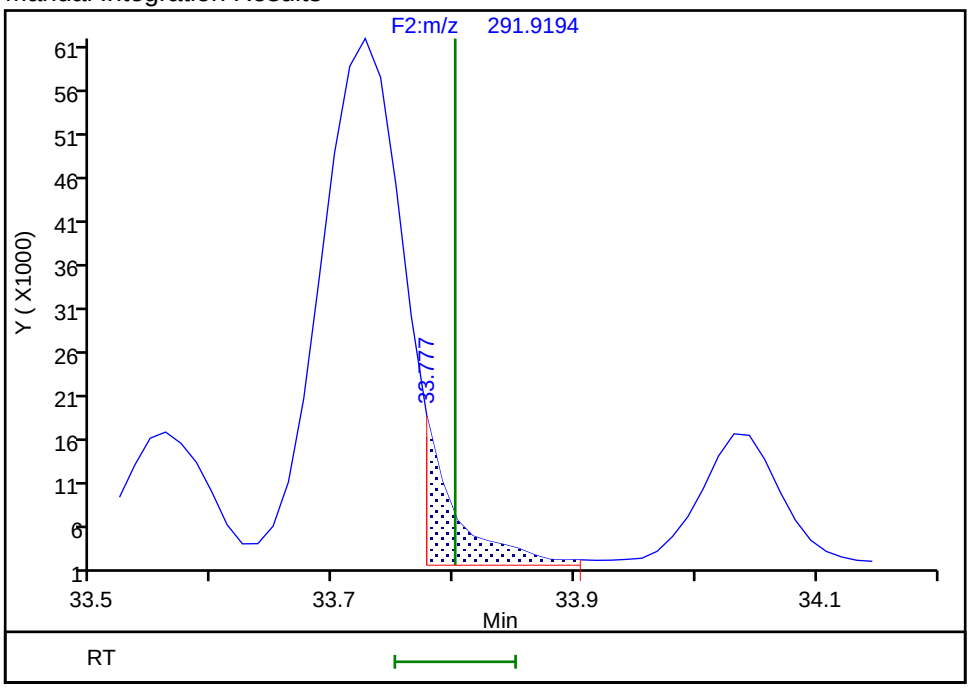
Not Detected
Expected RT: 33.80

Processing Integration Results




Manual Integration Results

RT: 33.78
Area: 28214
Amount: 1.124682
Amount Units: pg/ul

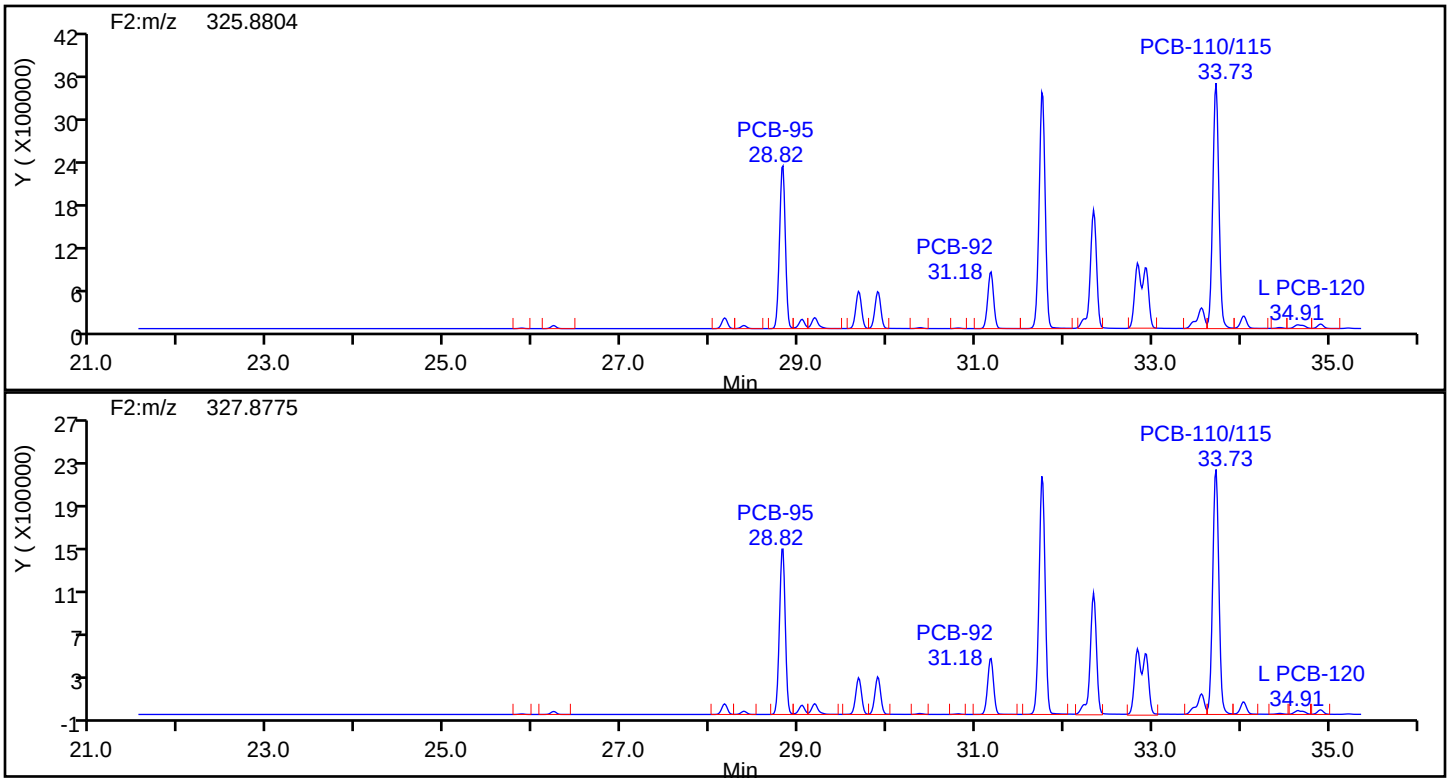



Reviewer: nordquistj, 03-Oct-2019 16:55:17
Audit Action: Manually Integrated Audit Reason: Split Peak

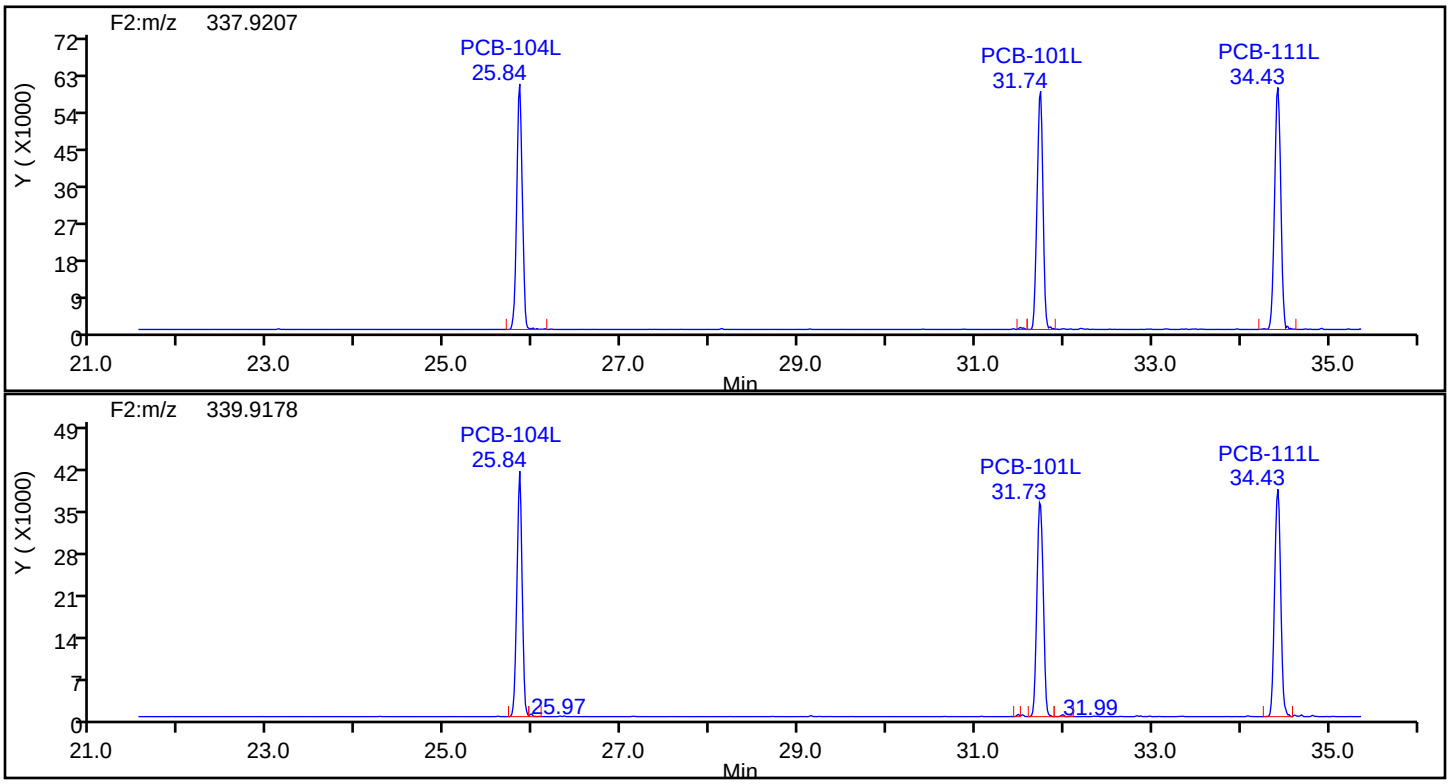
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



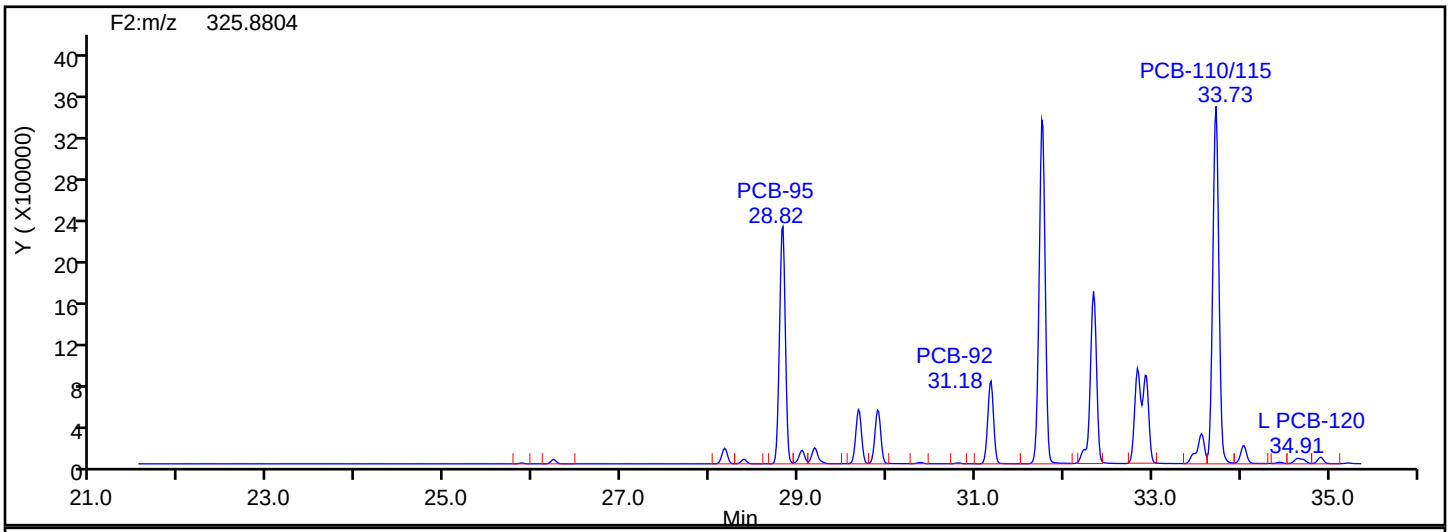

PePCB F2 Standards

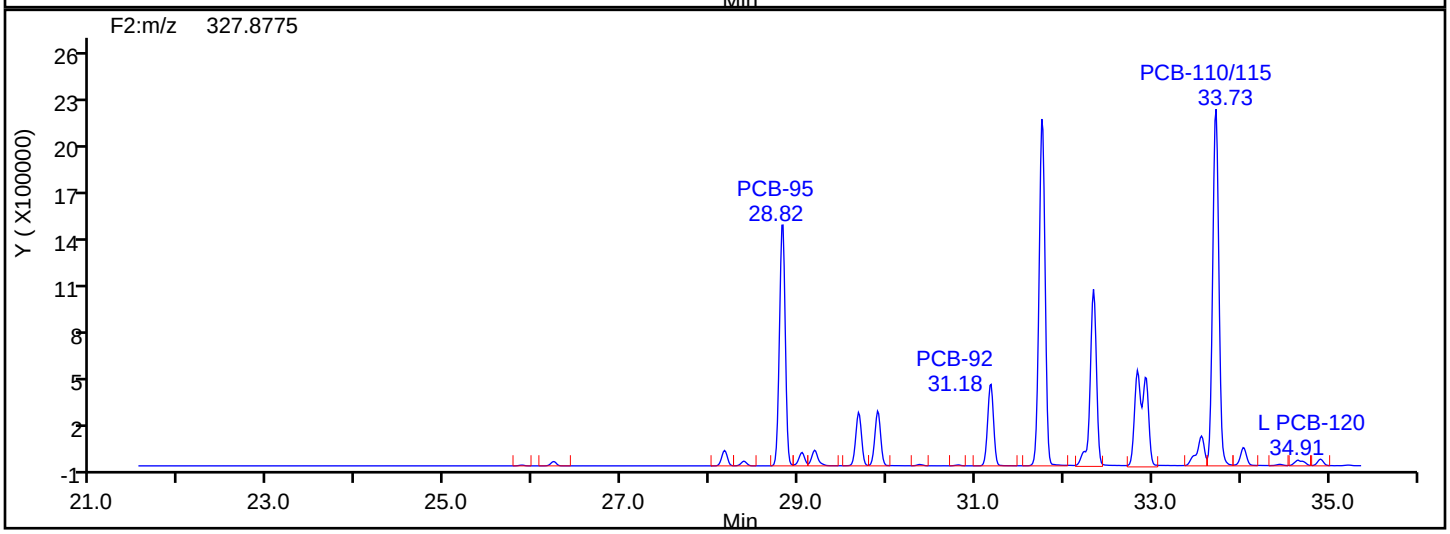


Eurofins TestAmerica, Knoxville

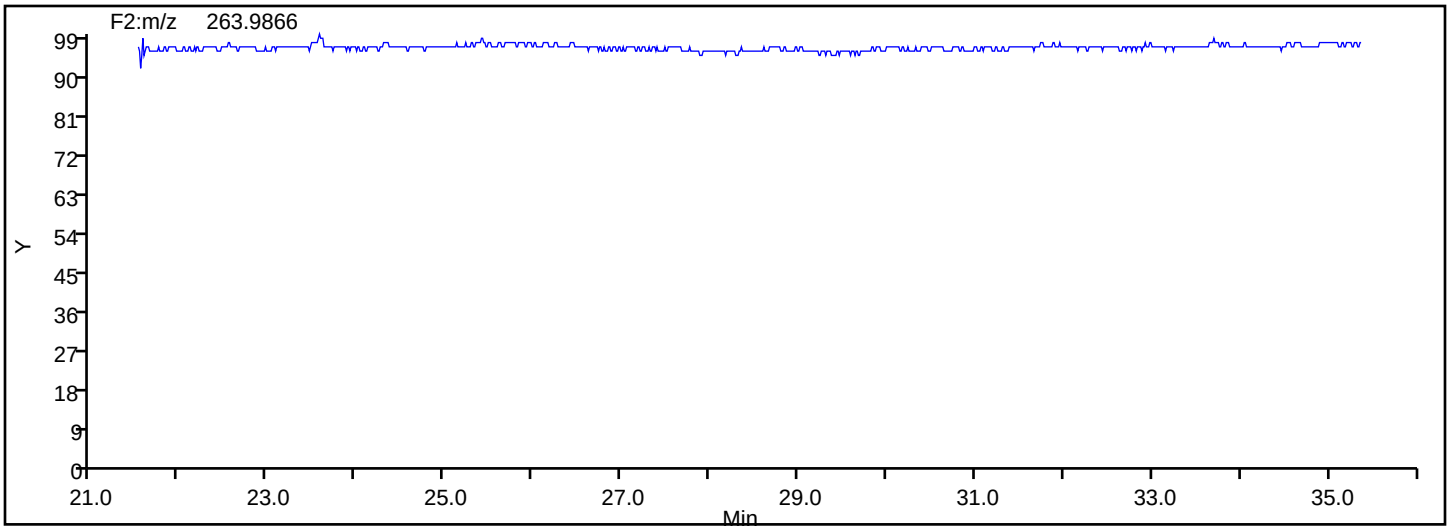
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

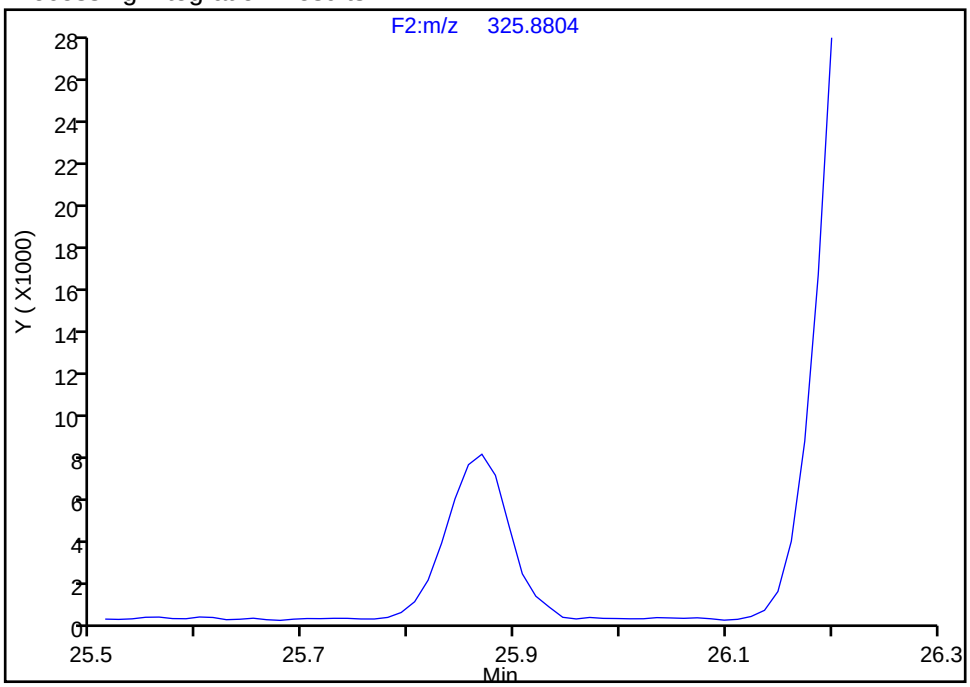
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-104, CAS: 56558-16-8

Signal: 1

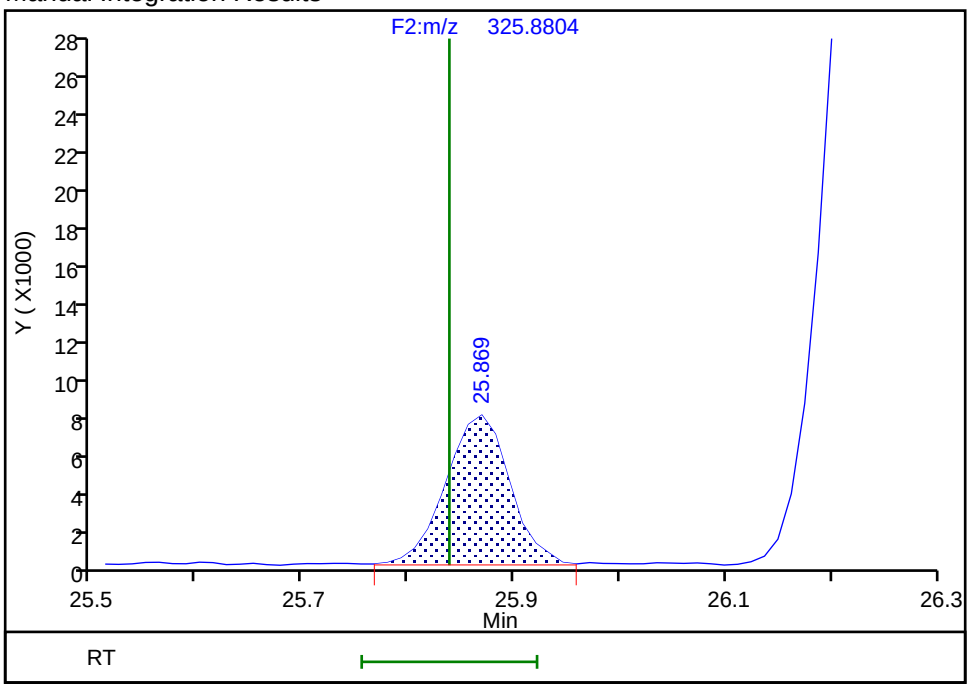
Not Detected
Expected RT: 25.84

Processing Integration Results




Manual Integration Results

RT: 25.87
Area: 32412
Amount: 1.751867
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:55:47
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

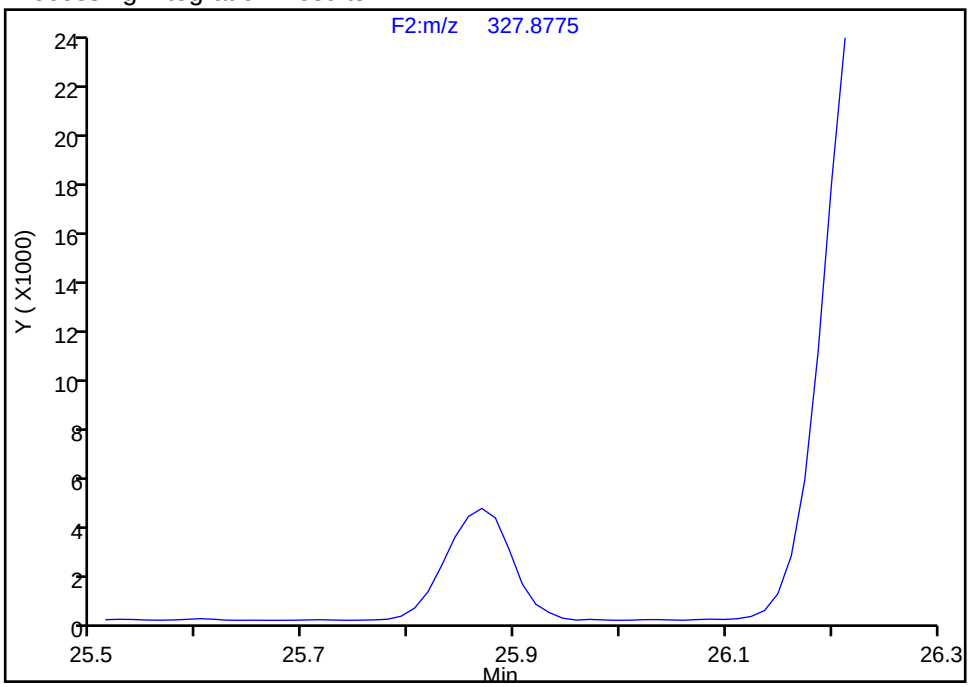
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-104, CAS: 56558-16-8

Signal: 2

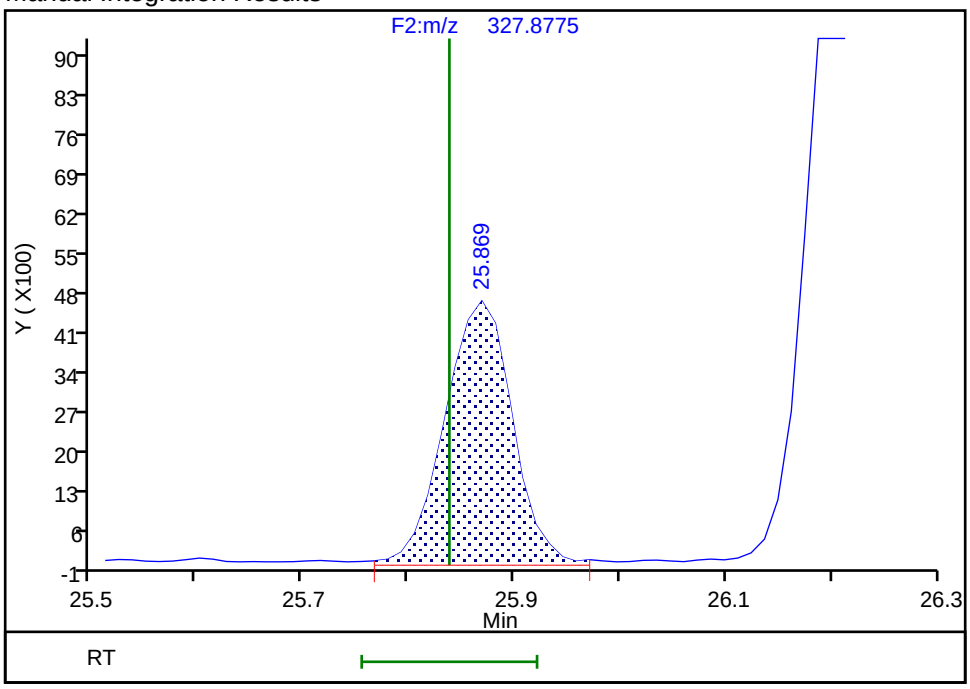
Not Detected
Expected RT: 25.84

Processing Integration Results




Manual Integration Results

RT: 25.87
Area: 20673
Amount: 1.751867
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:55:56
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

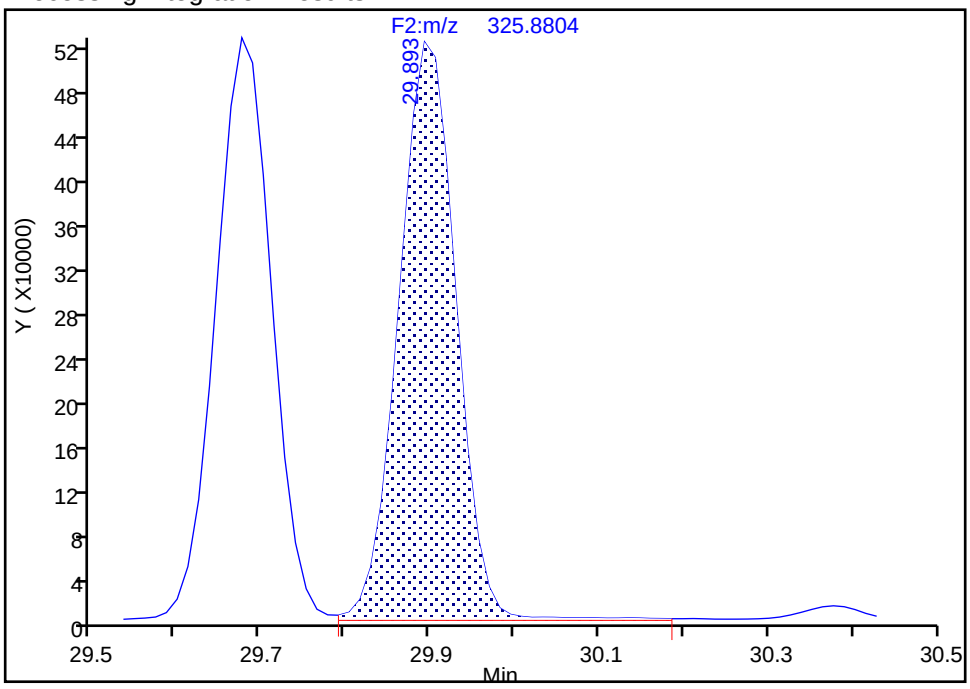
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-84, CAS: 52663-60-2

Signal: 1

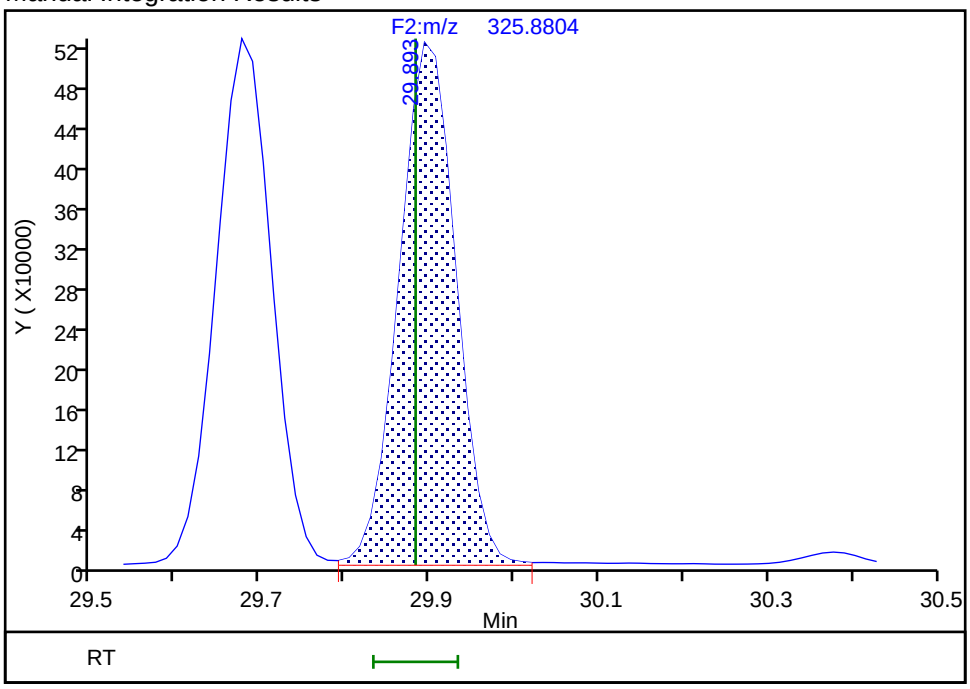
Processing Integration Results

RT: 29.89
Area: 2470421
Amount: 214.8872
Amount Units: pg/ul




Manual Integration Results

RT: 29.89
Area: 2448198
Amount: 213.6998
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:56:21

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

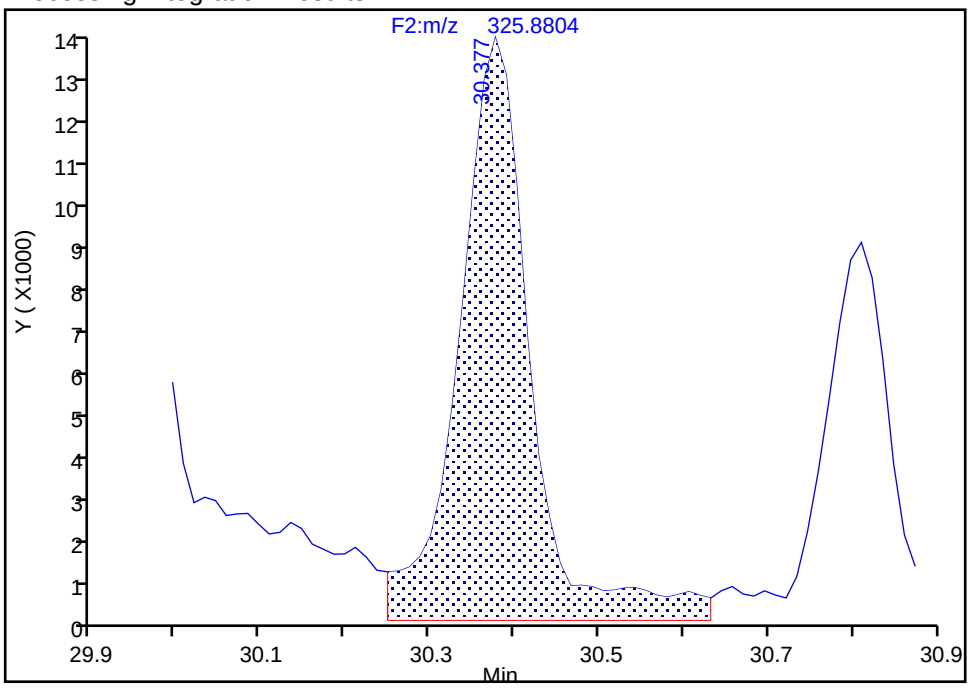
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 1

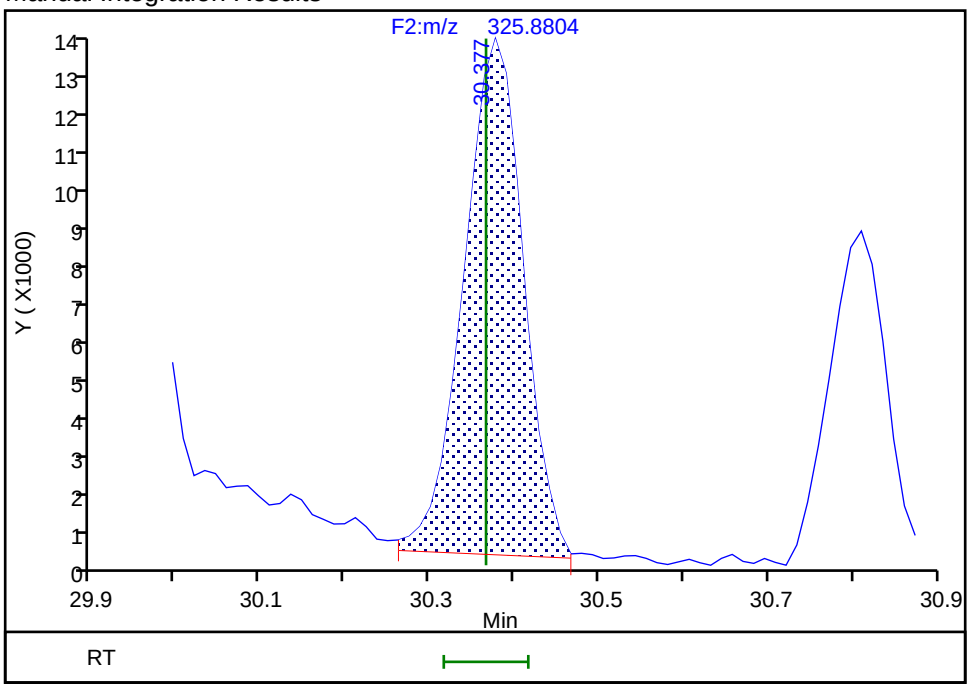
Processing Integration Results

RT: 30.38
Area: 77785
Amount: 6.321447
Amount Units: pg/ul




Manual Integration Results

RT: 30.38
Area: 60962
Amount: 5.116189
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:56:28

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

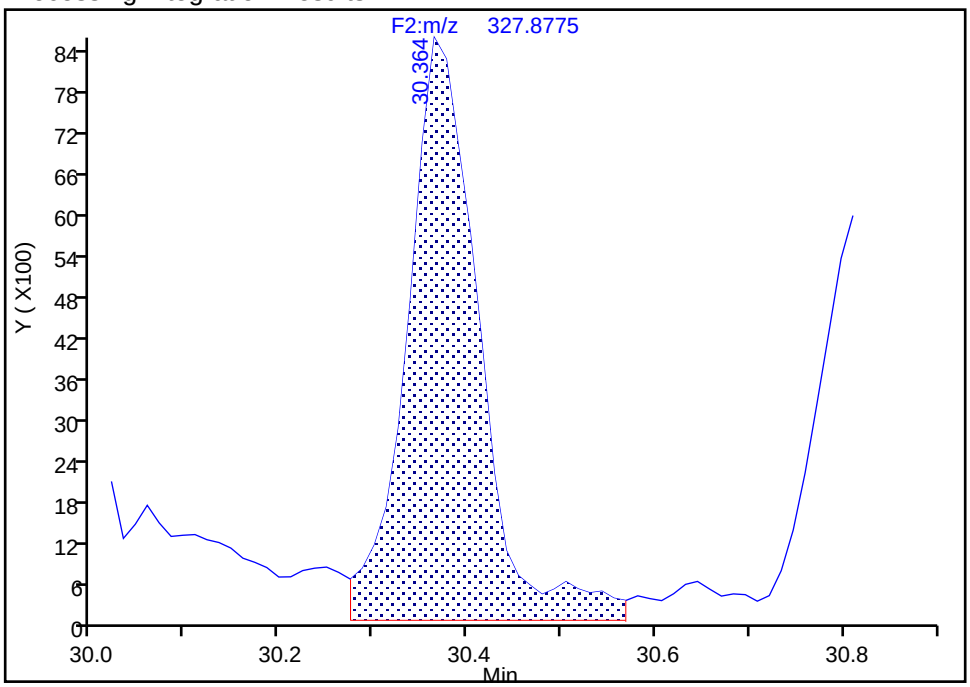
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 2

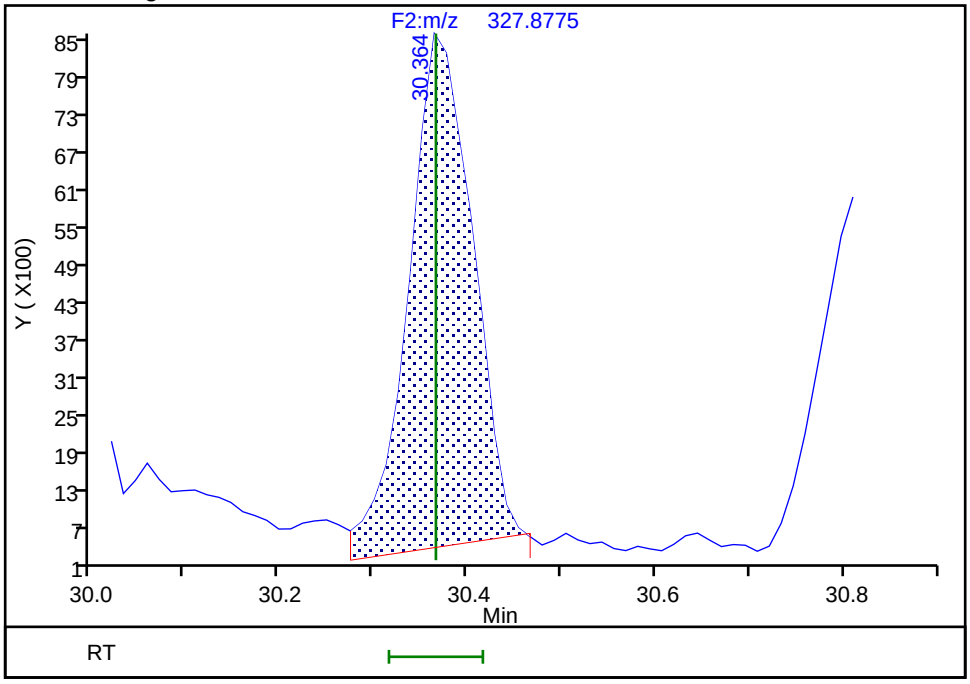
Processing Integration Results

RT: 30.36
Area: 45129
Amount: 6.321447
Amount Units: pg/ul




Manual Integration Results

RT: 30.36
Area: 38517
Amount: 5.116189
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:56:33

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

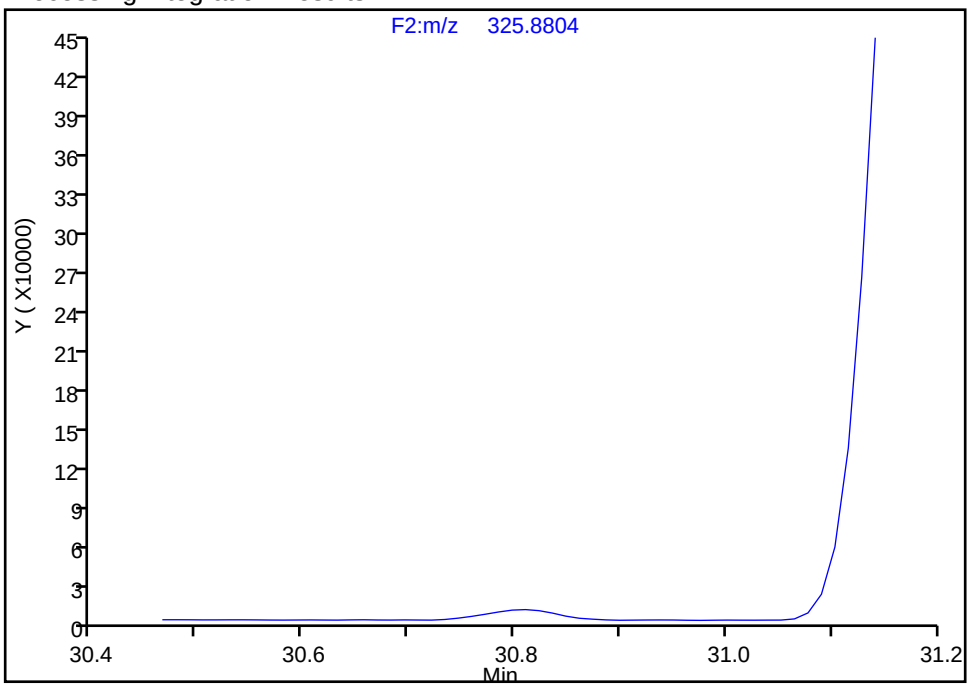
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-121, CAS: 56558-18-0

Signal: 1

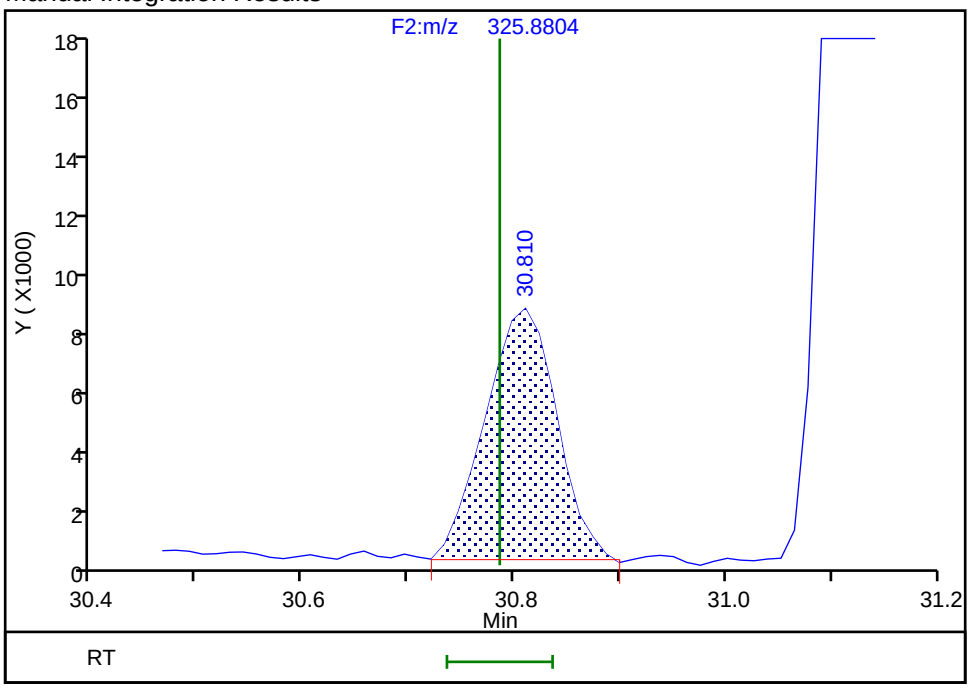
Not Detected
Expected RT: 30.79

Processing Integration Results




Manual Integration Results

RT: 30.81
Area: 37801
Amount: 2.043708
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:56:39
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

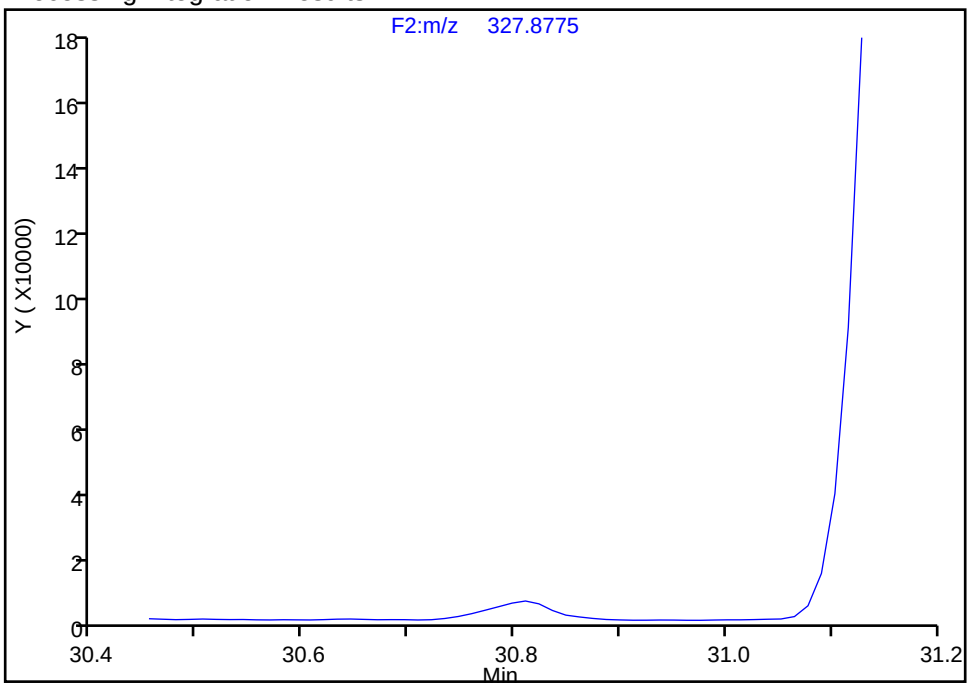
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-121, CAS: 56558-18-0

Signal: 2

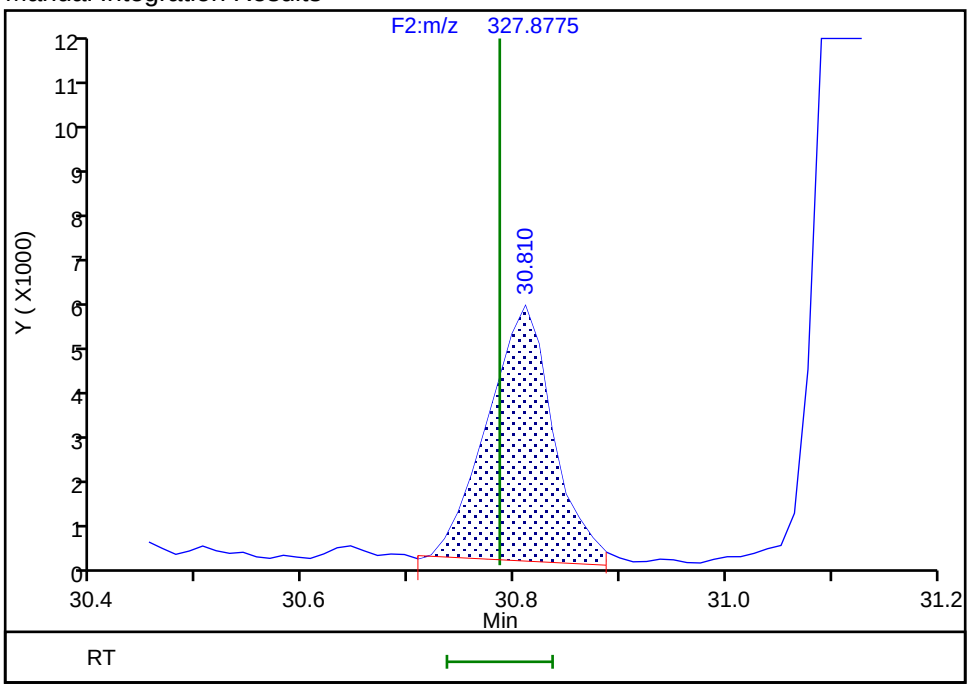
Processing Integration Results

Not Detected
Expected RT: 30.79




Manual Integration Results

RT: 30.81
Area: 24330
Amount: 2.043708
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:56:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

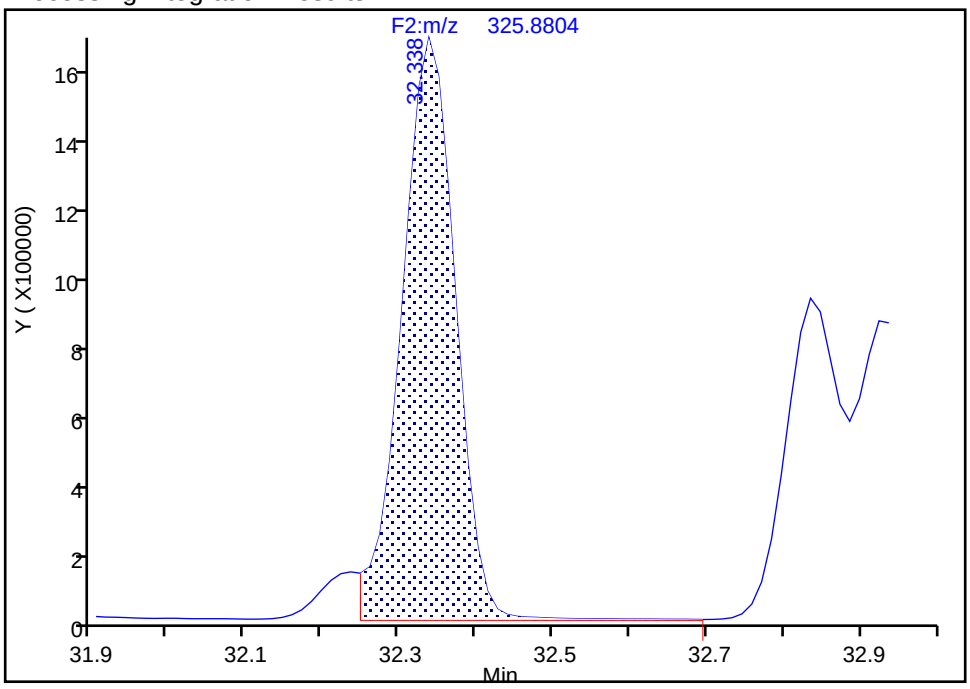
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

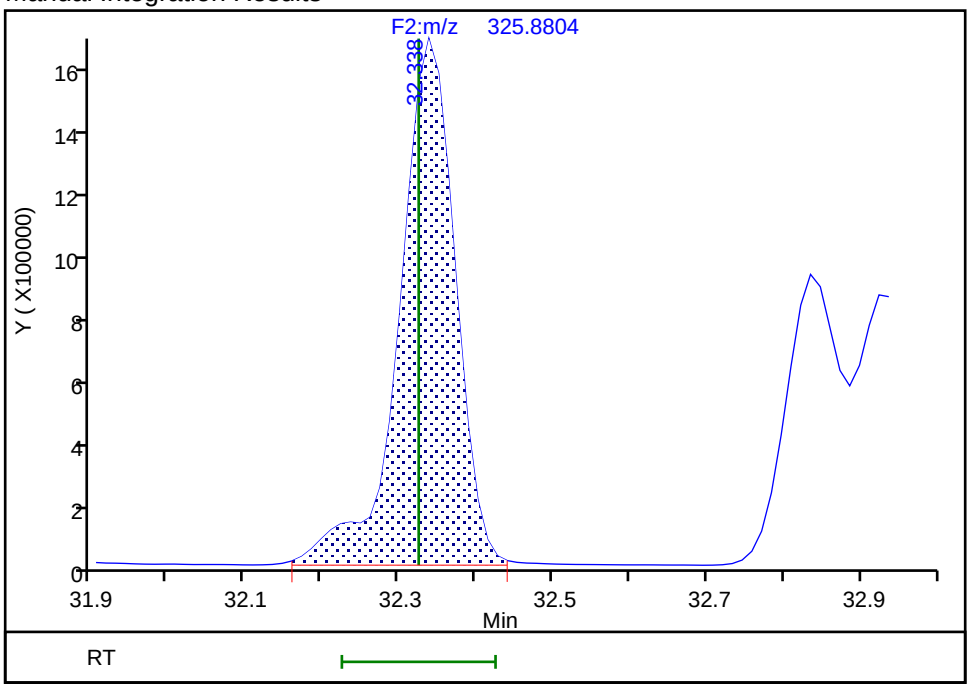
Processing Integration Results

RT: 32.34
Area: 8169878
Amount: 653.8192
Amount Units: pg/ul




Manual Integration Results

RT: 32.34
Area: 8526466
Amount: 688.4119
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:57:23

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

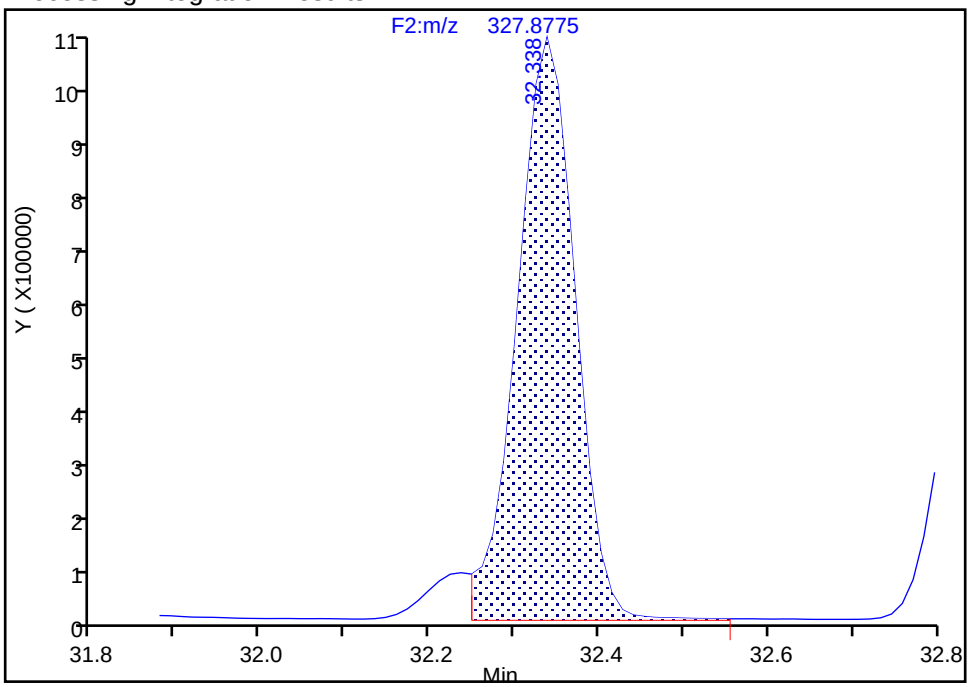
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

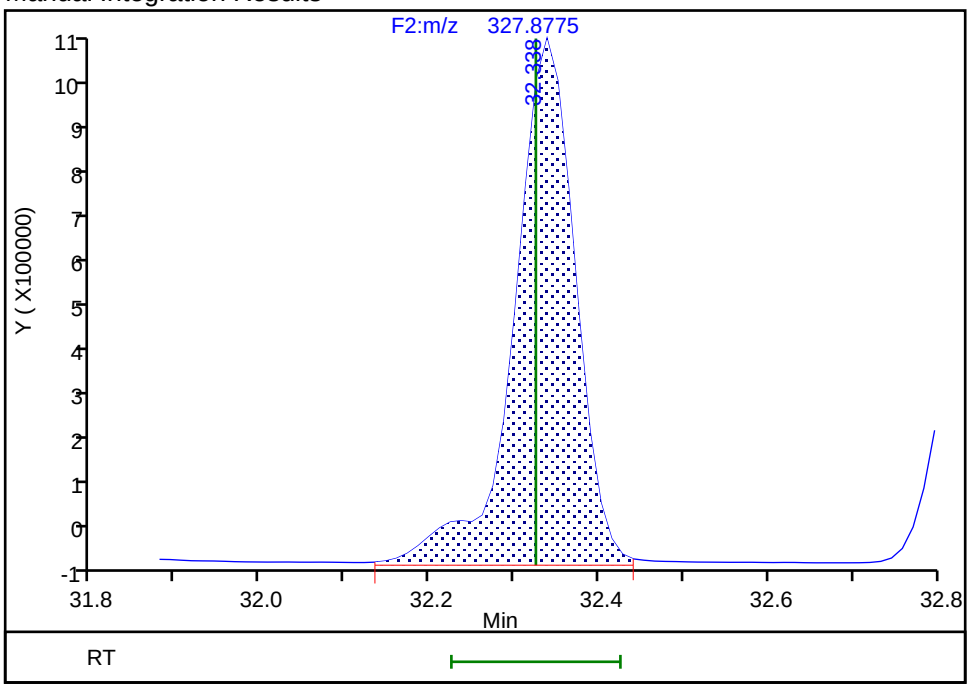
Processing Integration Results

RT: 32.34
Area: 5193875
Amount: 653.8192
Amount Units: pg/ul




Manual Integration Results

RT: 32.34
Area: 5544345
Amount: 688.4119
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:57:29

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

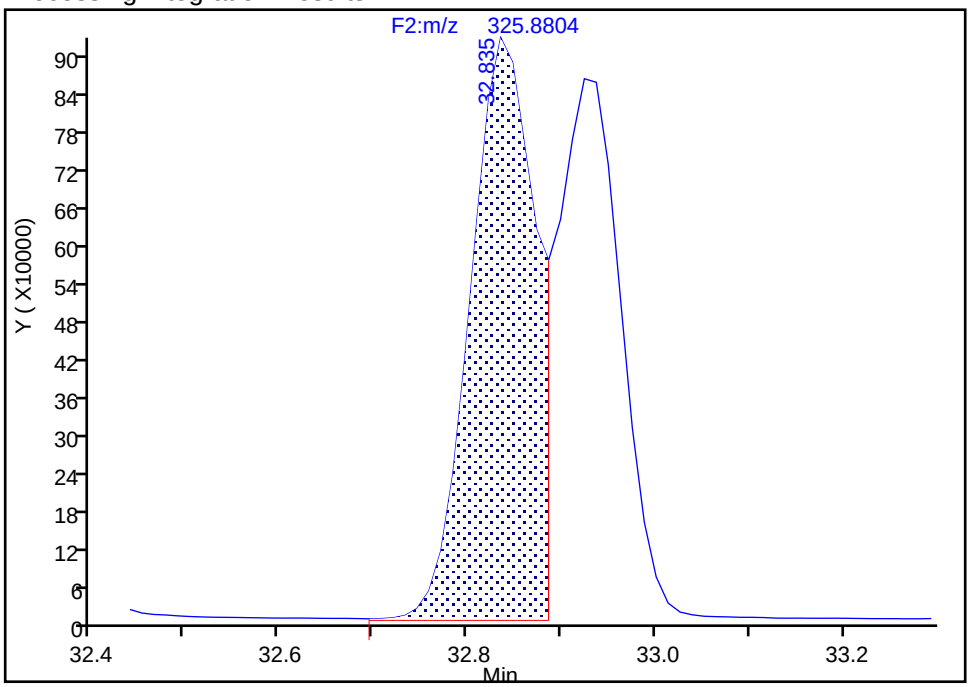
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

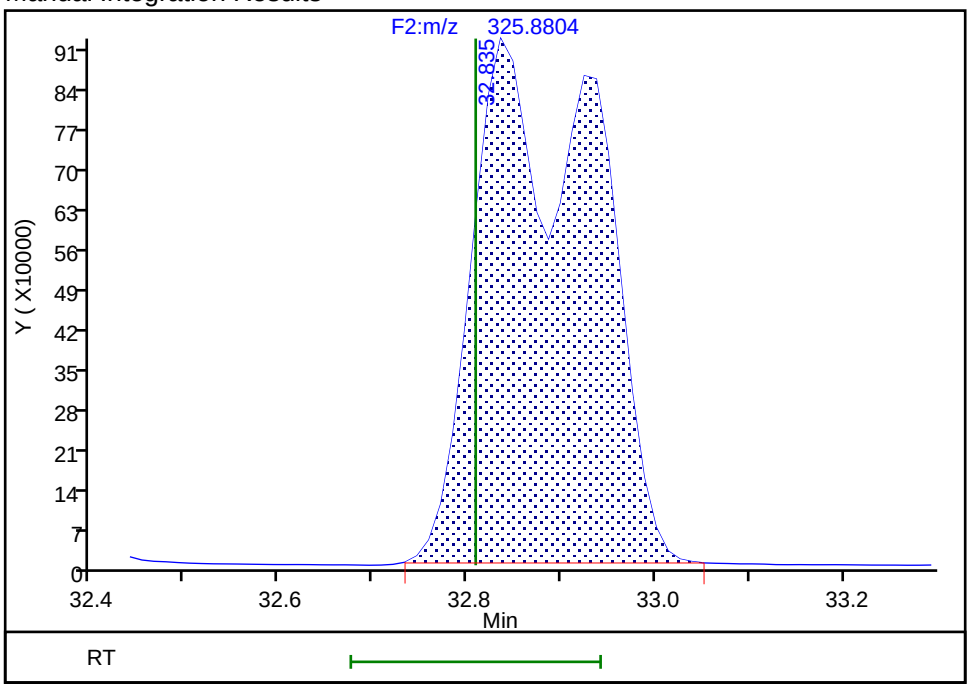
Processing Integration Results

RT: 32.84
Area: 4427900
Amount: 278.5547
Amount Units: pg/ul




Manual Integration Results

RT: 32.84
Area: 8298964
Amount: 528.7712
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:58:10

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

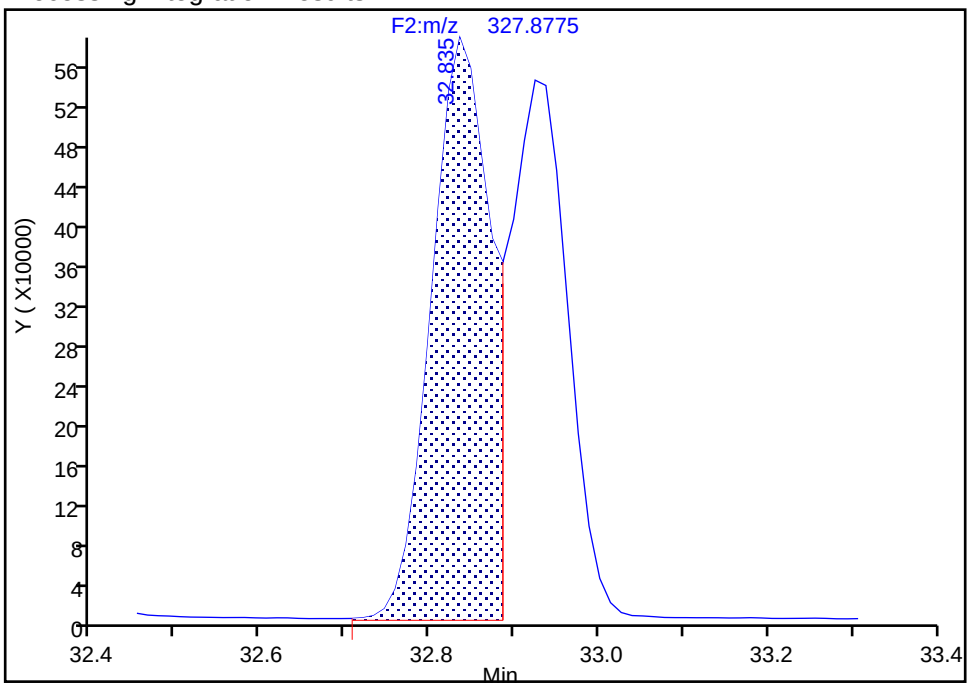
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

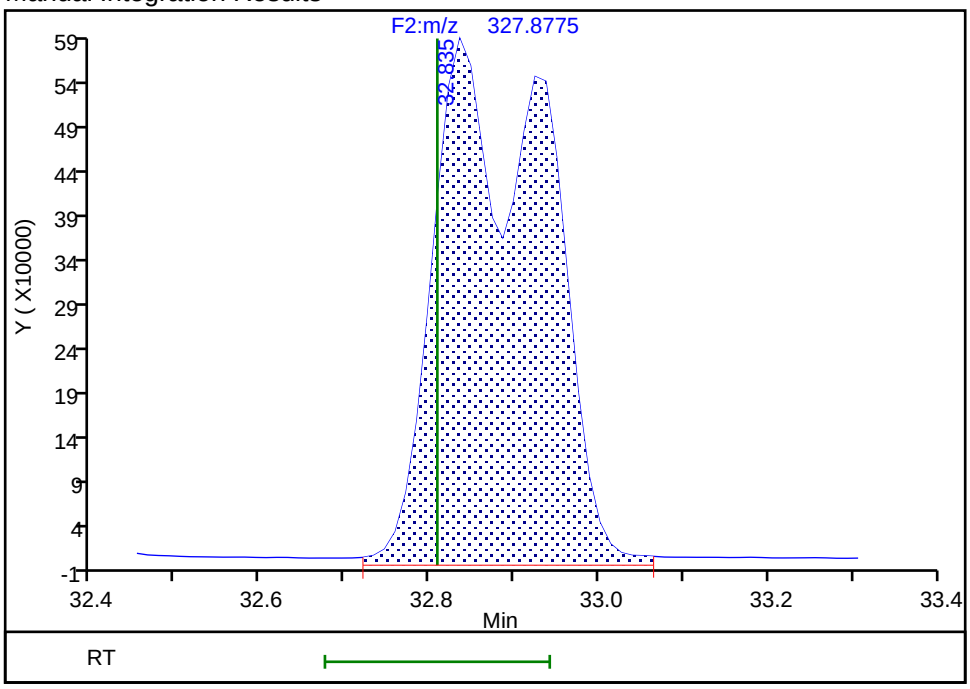
Processing Integration Results

RT: 32.84
Area: 2820100
Amount: 278.5547
Amount Units: pg/ul




Manual Integration Results

RT: 32.84
Area: 5459674
Amount: 528.7712
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:58:14
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

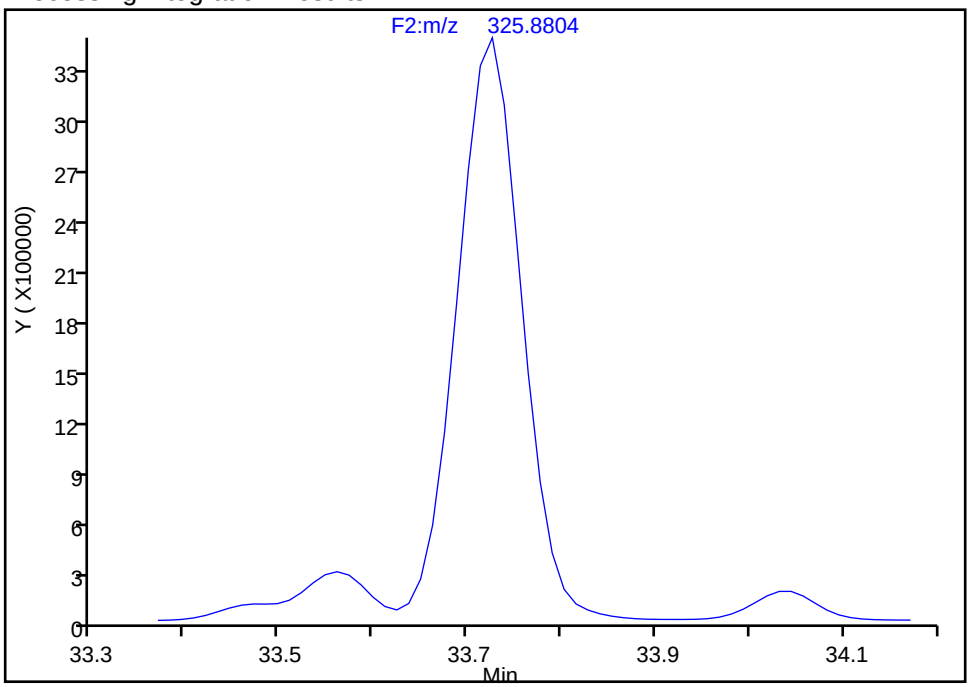
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

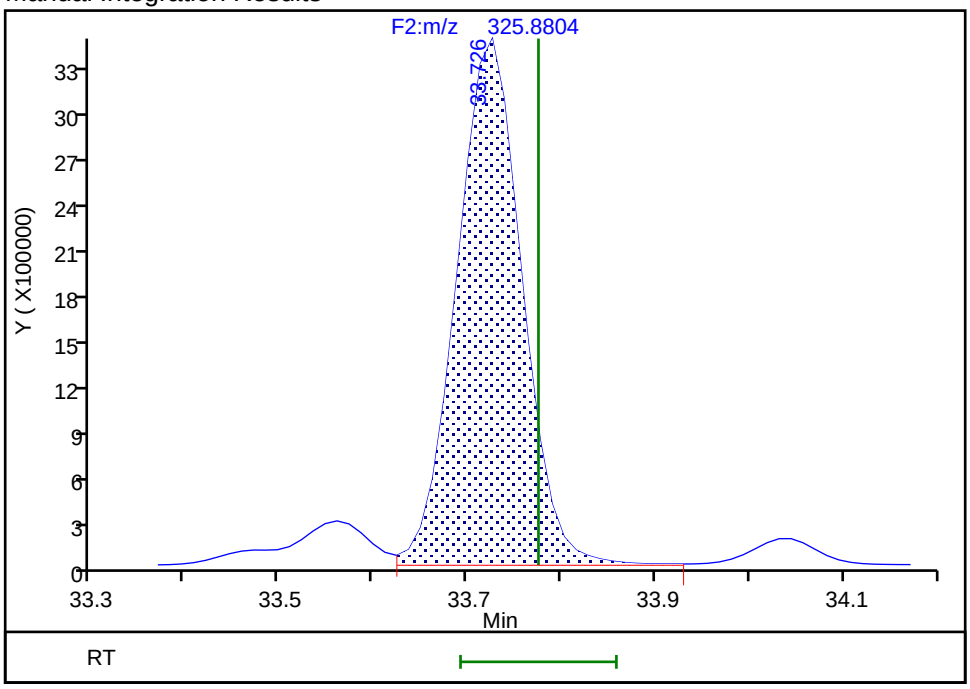
Not Detected
Expected RT: 33.78

Processing Integration Results




Manual Integration Results

RT: 33.73
Area: 16847171
Amount: 938.4142
Amount Units: pg/ul

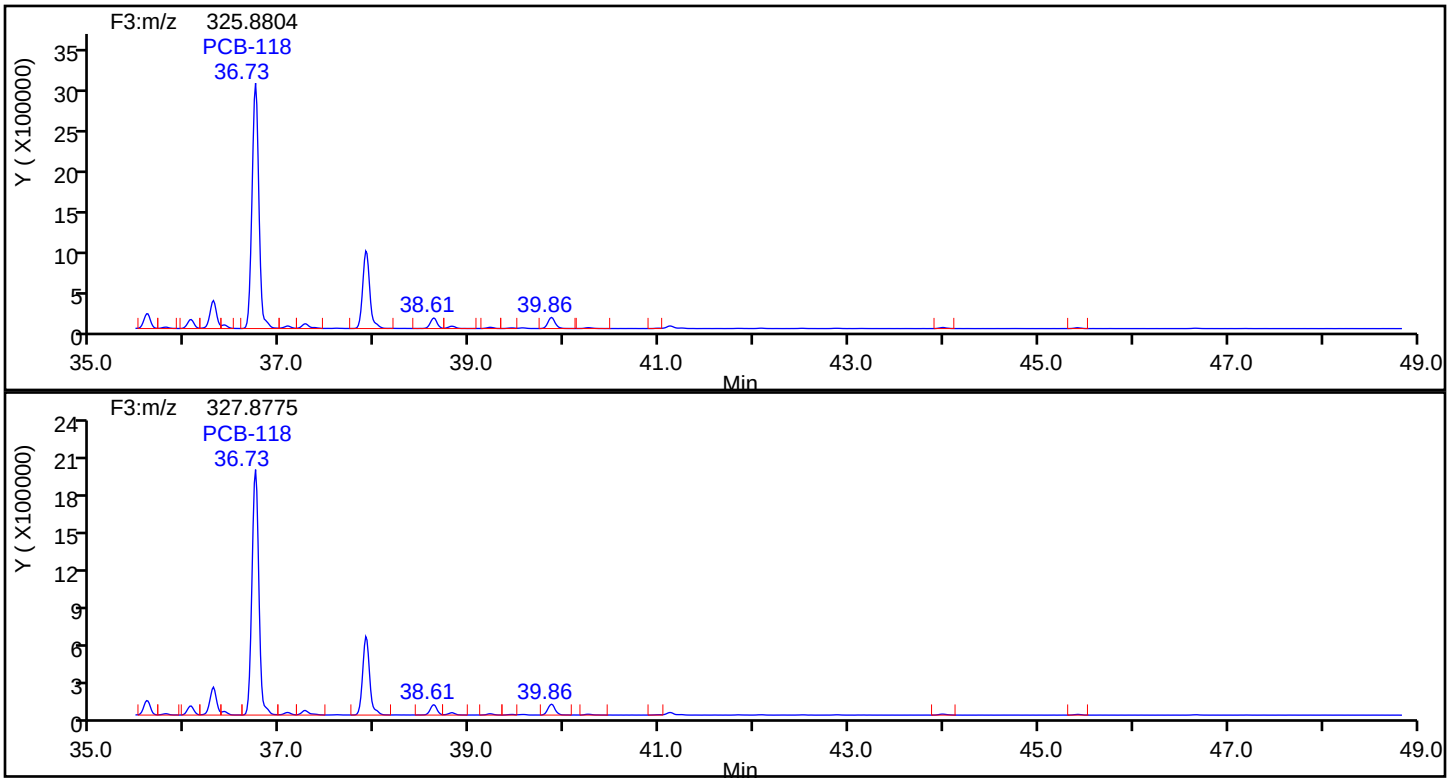



Reviewer: nordquistj, 03-Oct-2019 16:58:24
Audit Action: Assigned Compound ID Audit Reason: Split Peak

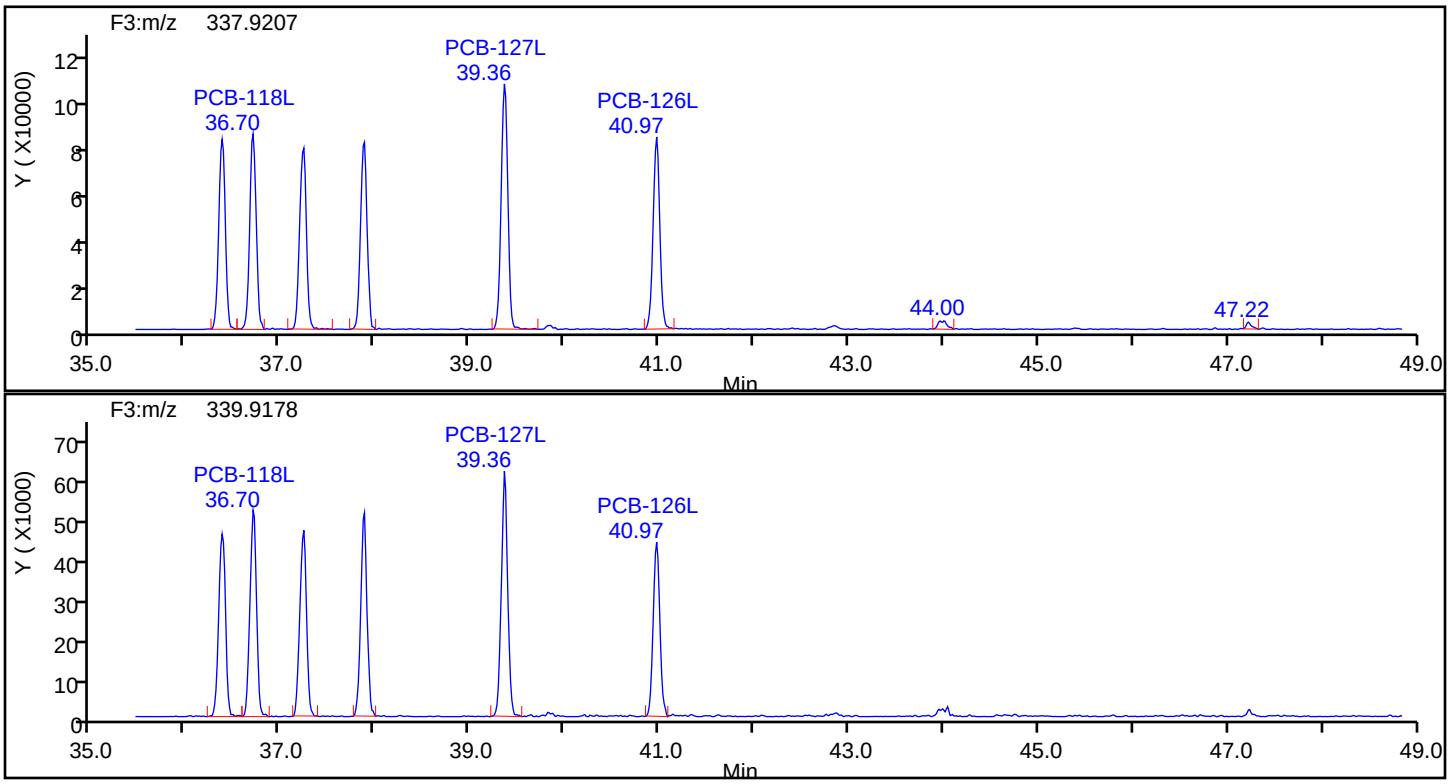
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



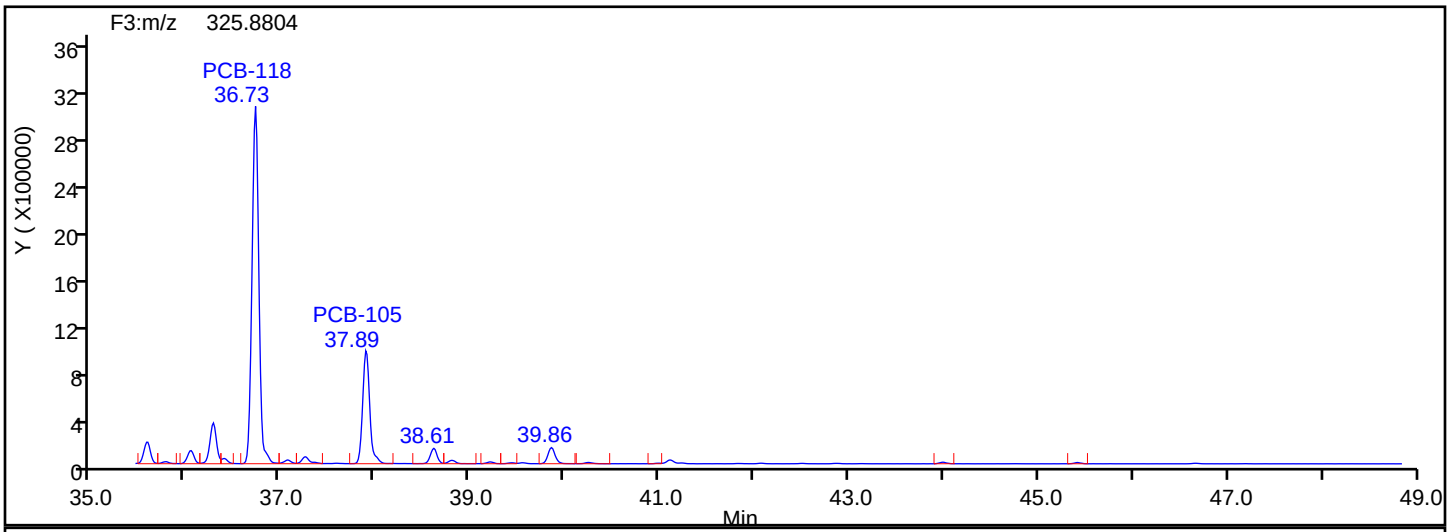

PePCB F3 Standards

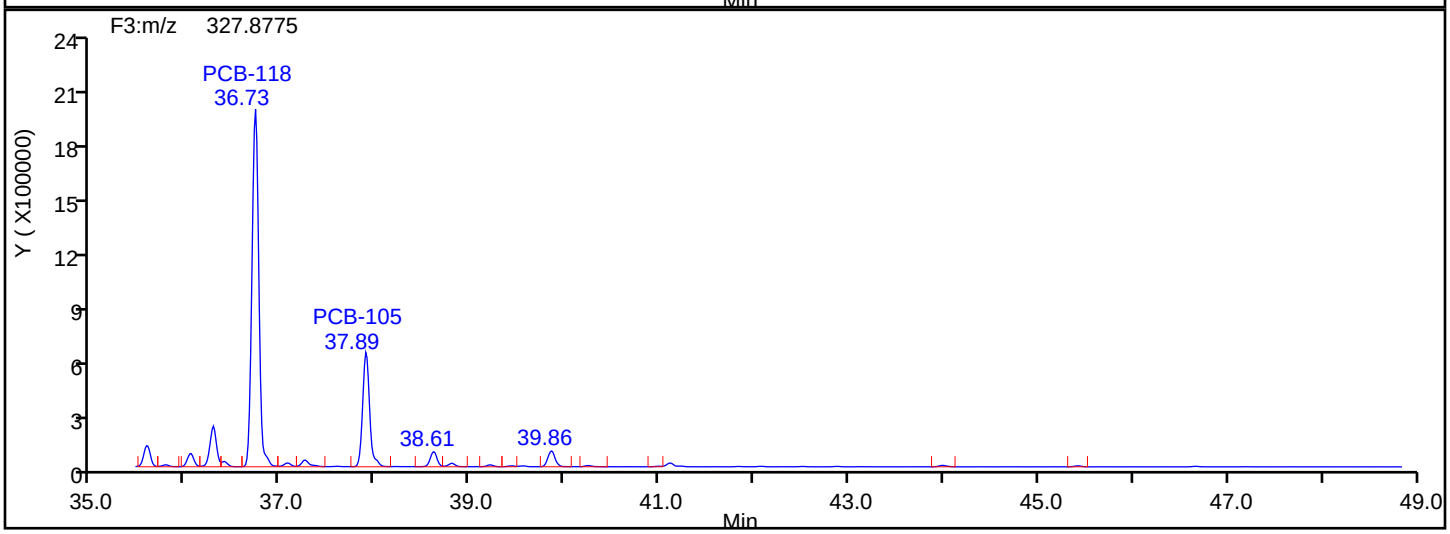


Eurofins TestAmerica, Knoxville

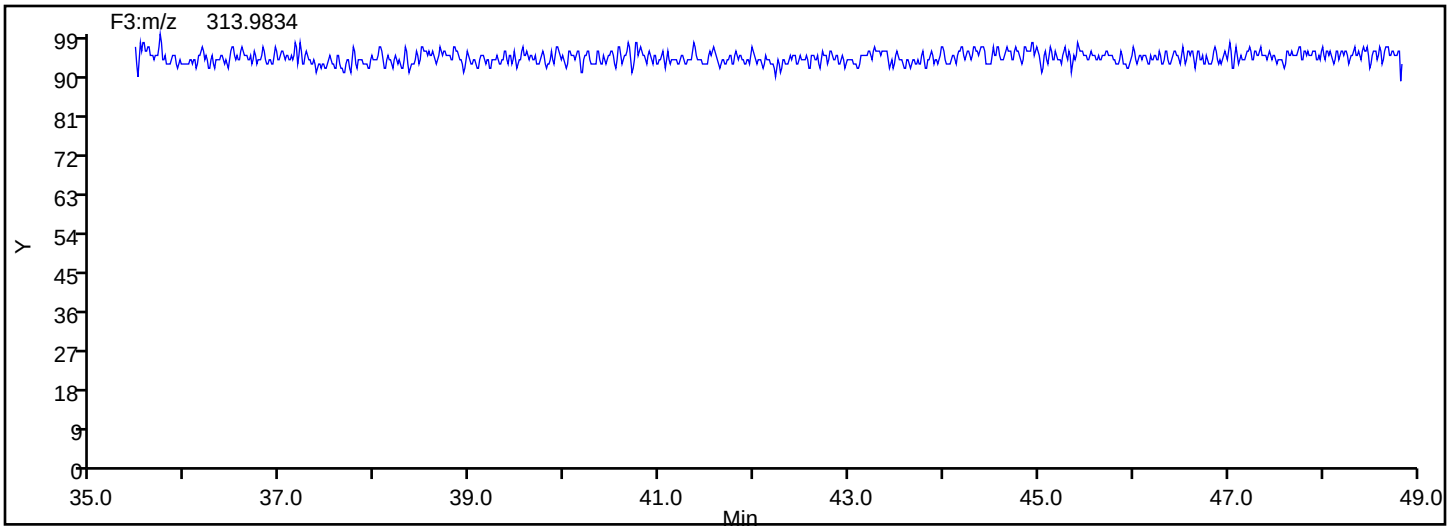
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

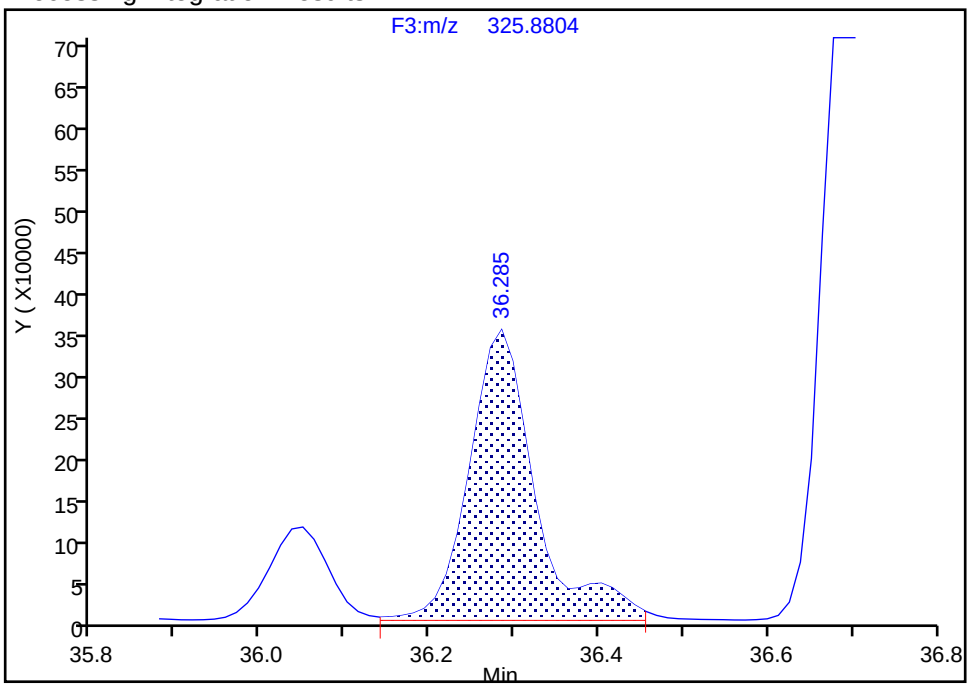
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

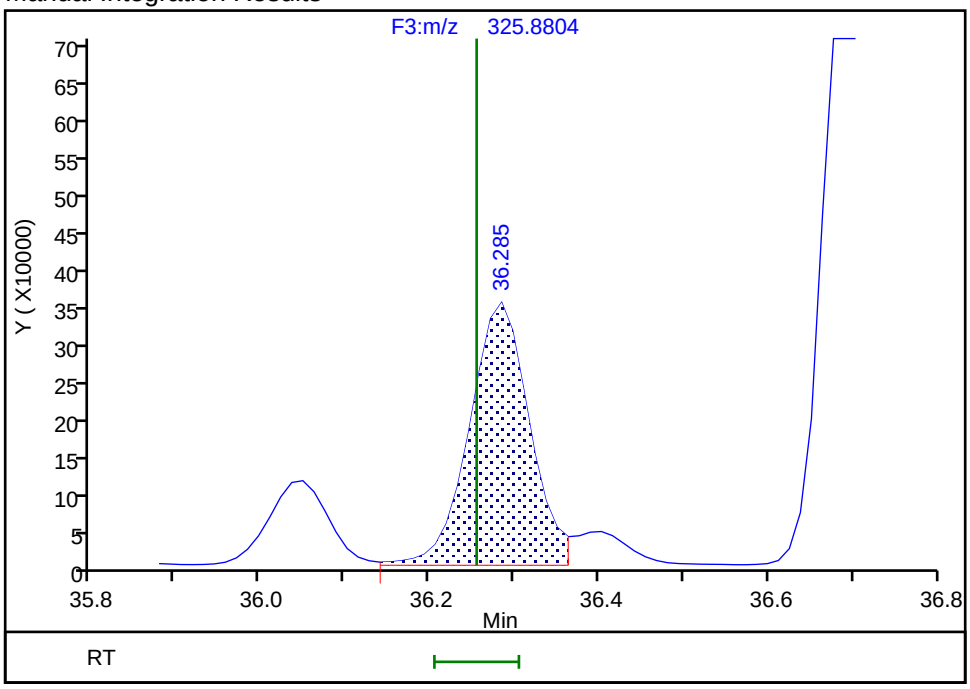
Processing Integration Results

RT: 36.28
Area: 1906353
Amount: 71.805315
Amount Units: pg/ul




Manual Integration Results

RT: 36.28
Area: 1722104
Amount: 67.386506
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:58:50

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

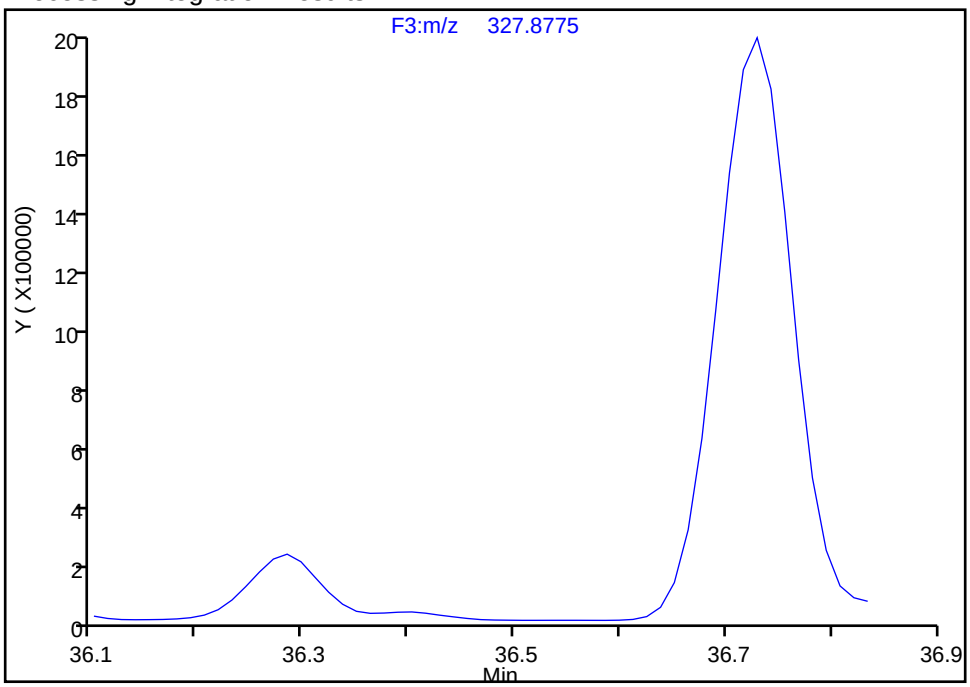
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 2

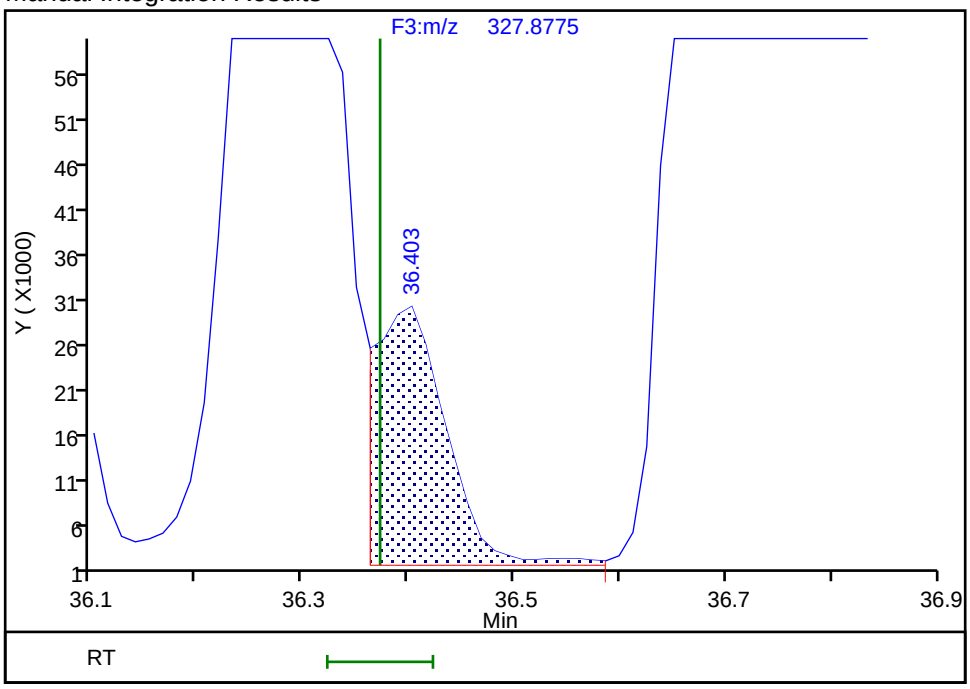
Not Detected
Expected RT: 36.37

Processing Integration Results




Manual Integration Results

RT: 36.40
Area: 129861
Amount: 8.064783
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:58:55
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

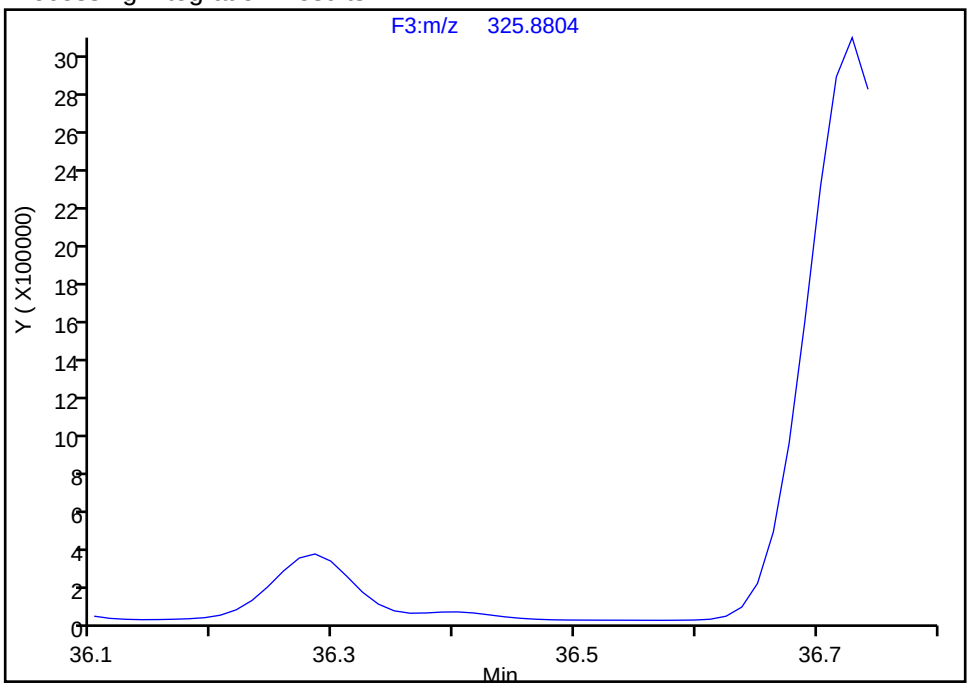
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

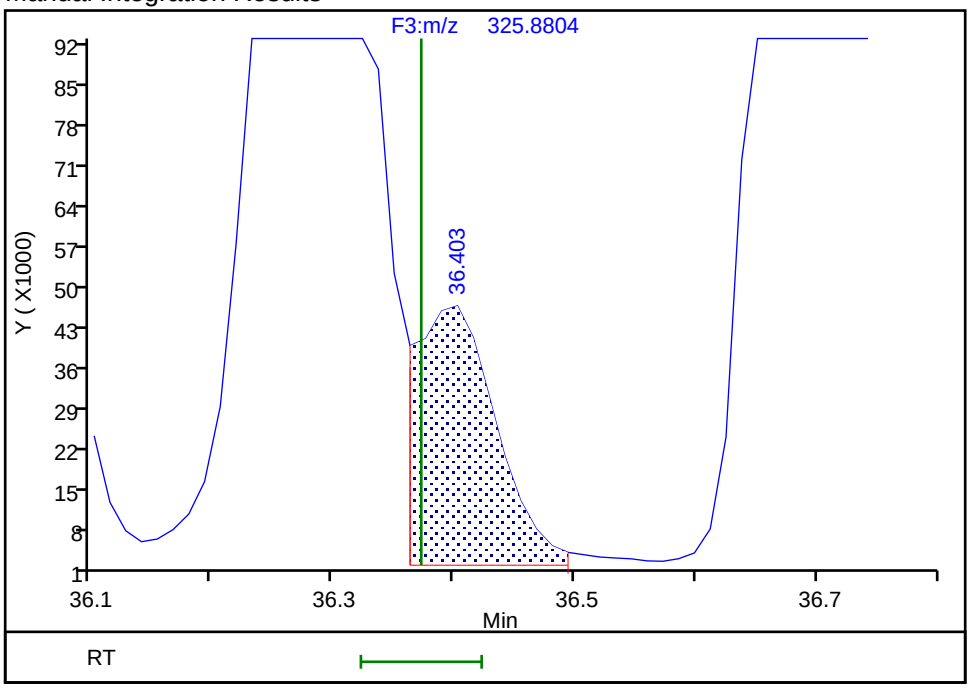
Processing Integration Results

Not Detected
Expected RT: 36.37




Manual Integration Results

RT: 36.40
Area: 201959
Amount: 8.064783
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:58:55
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

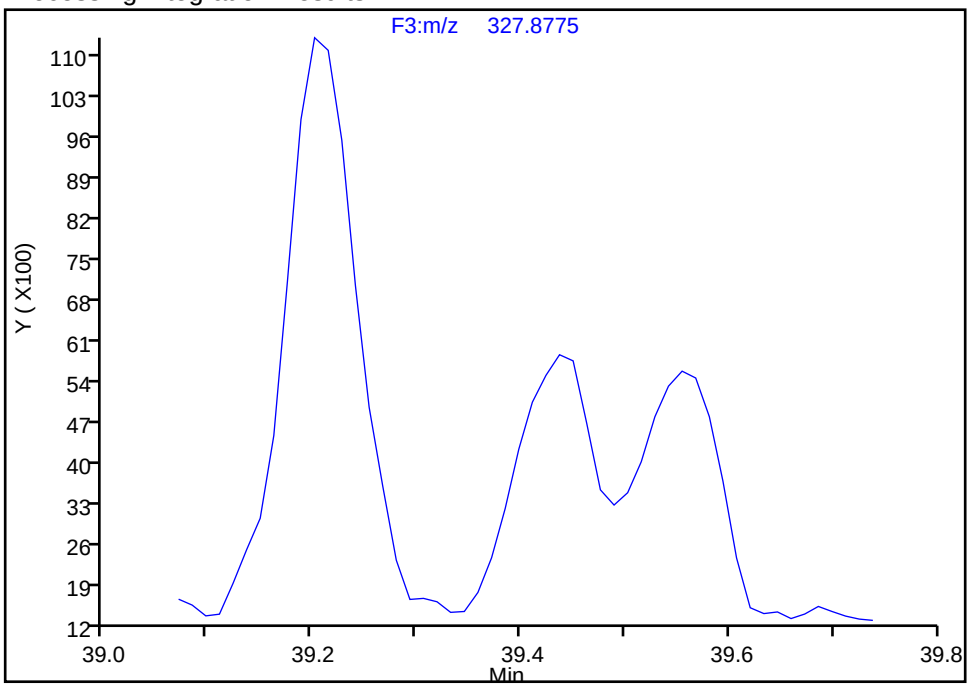
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 2

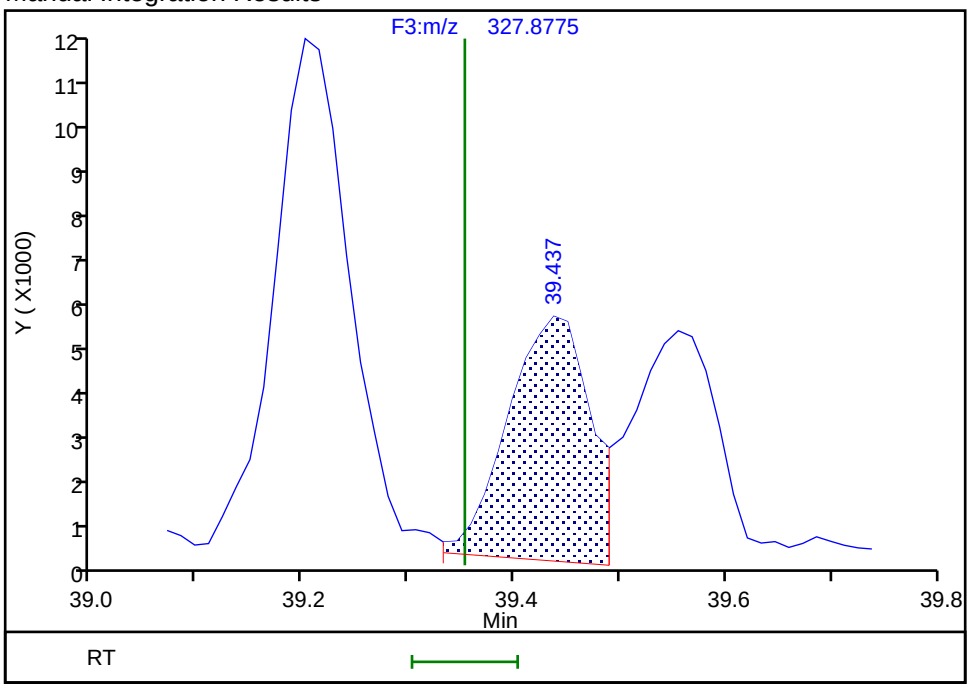
Not Detected
Expected RT: 39.35

Processing Integration Results




Manual Integration Results

RT: 39.44
Area: 25425
Amount: 1.726134
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:59:23
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

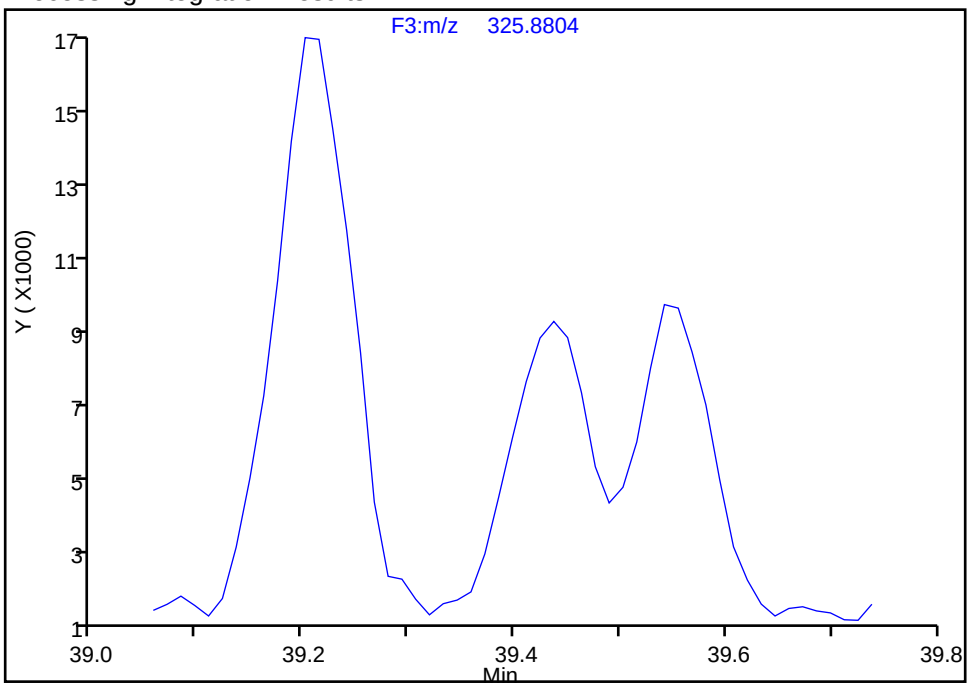
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 1

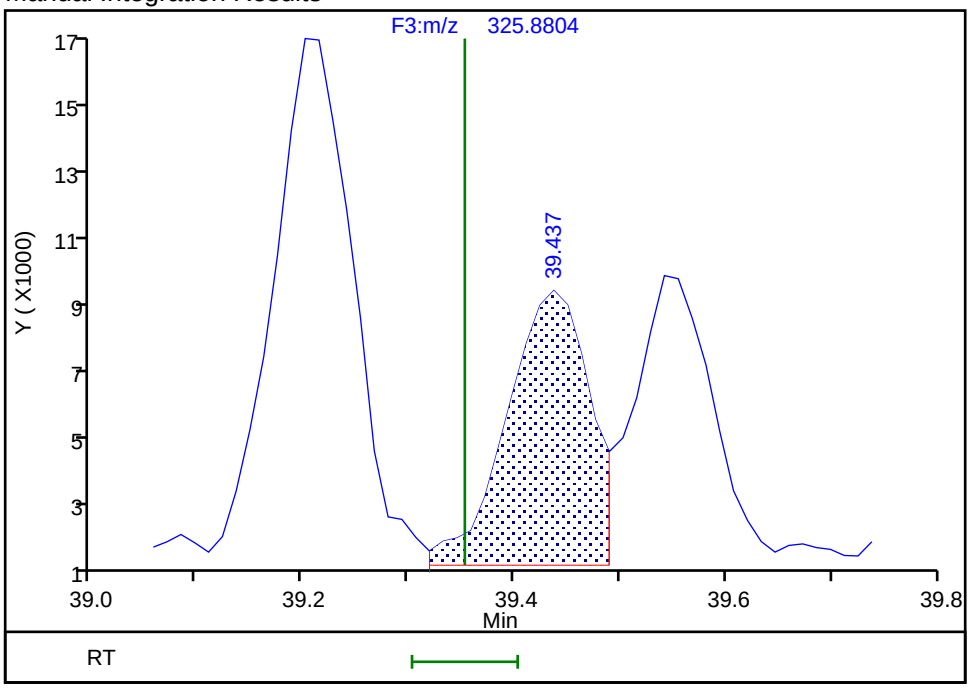
Not Detected
Expected RT: 39.35

Processing Integration Results




Manual Integration Results

RT: 39.44
Area: 42634
Amount: 1.726134
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:59:23
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

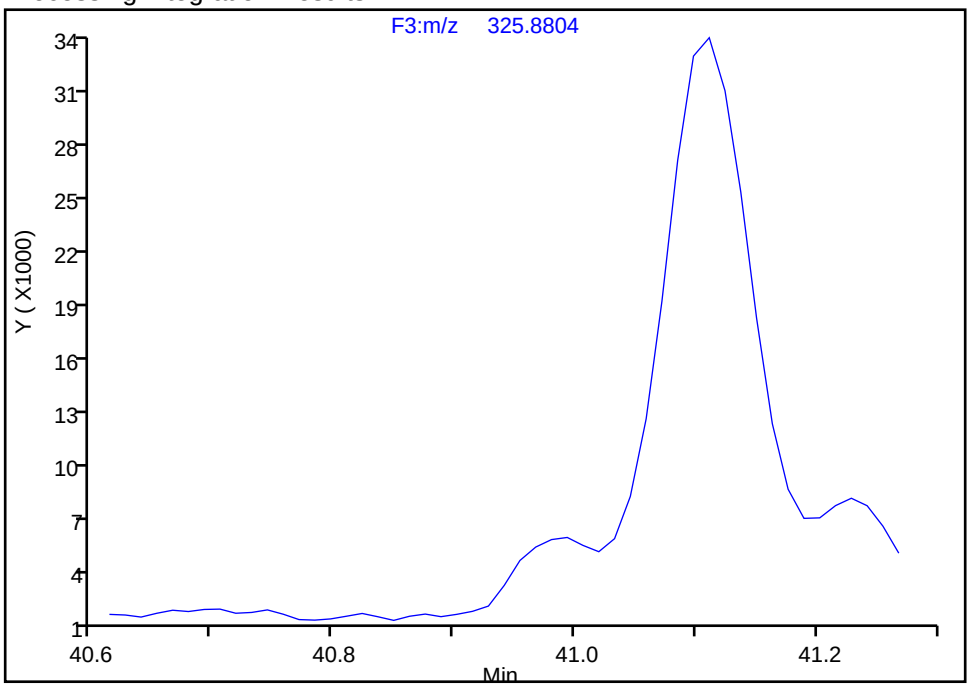
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

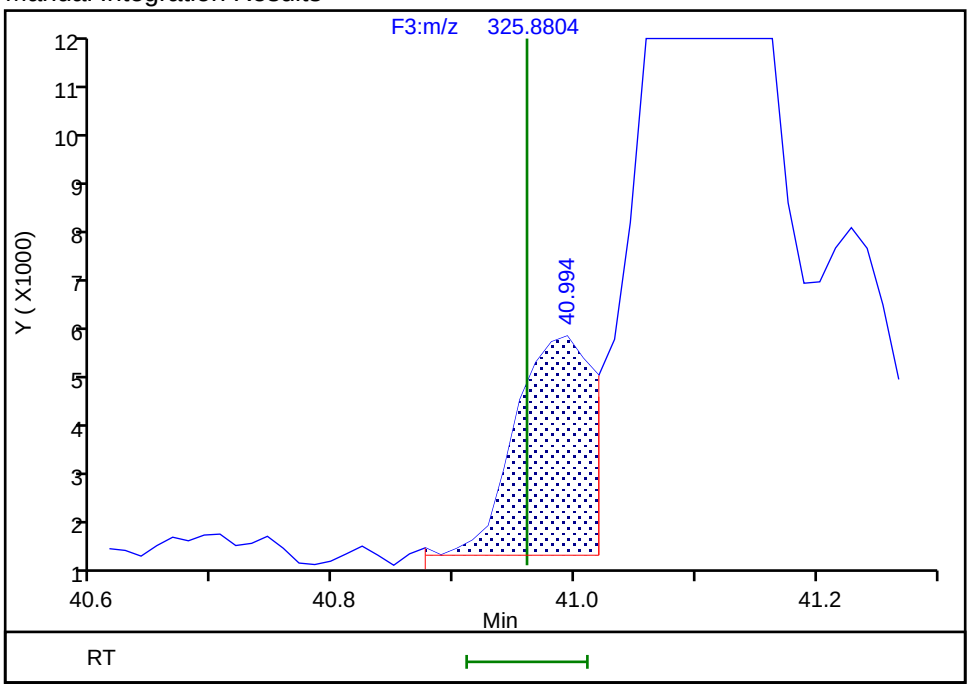
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 40.99
Area: 18995
Amount: 0.854495
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:59:33
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

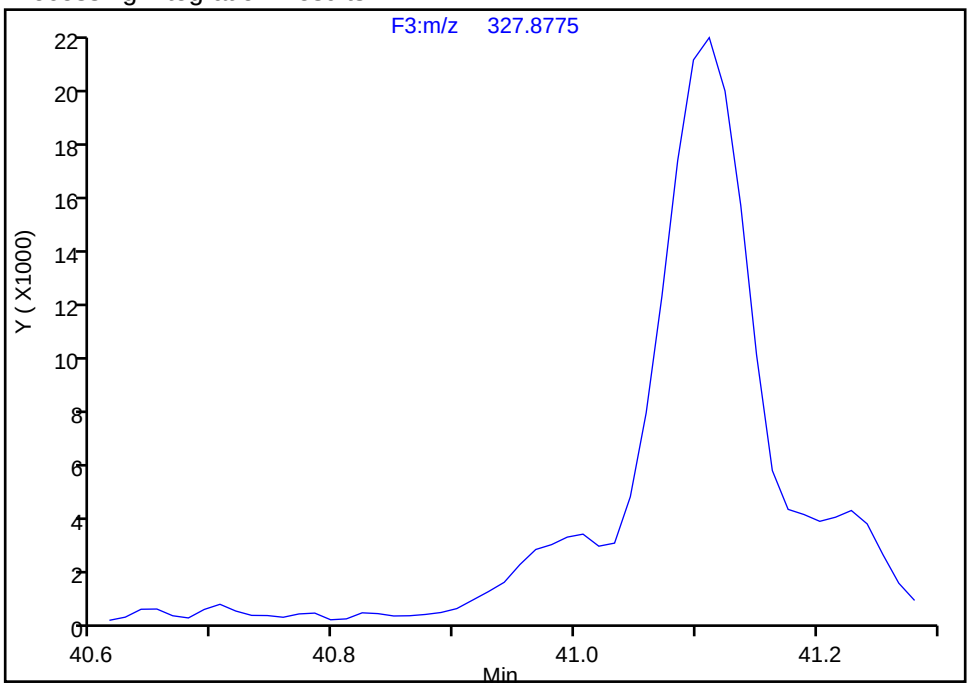
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

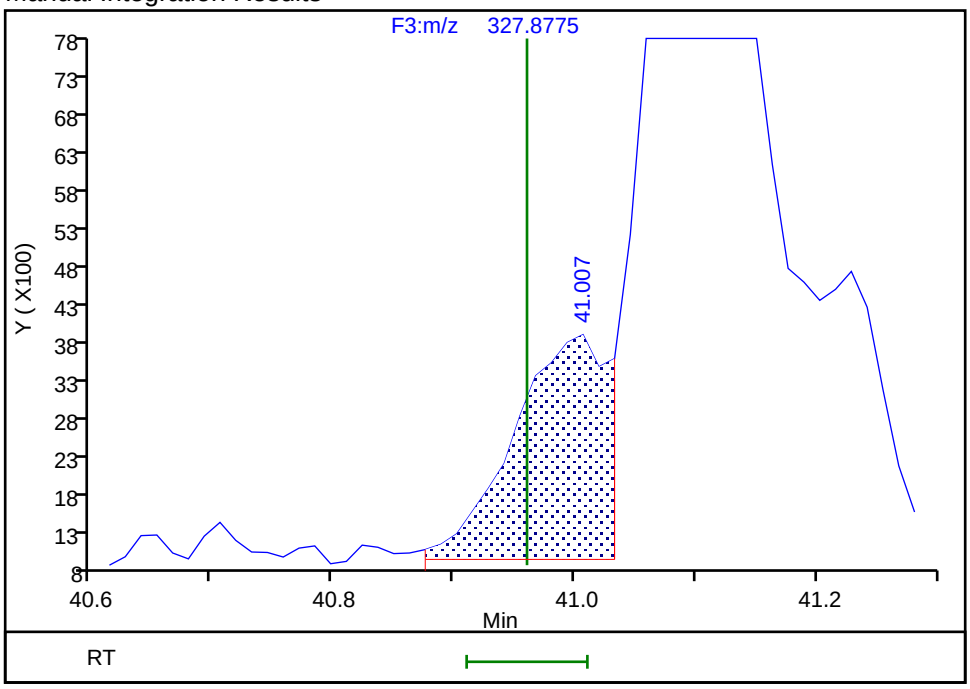
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 41.01
Area: 15624
Amount: 0.854495
Amount Units: pg/ul

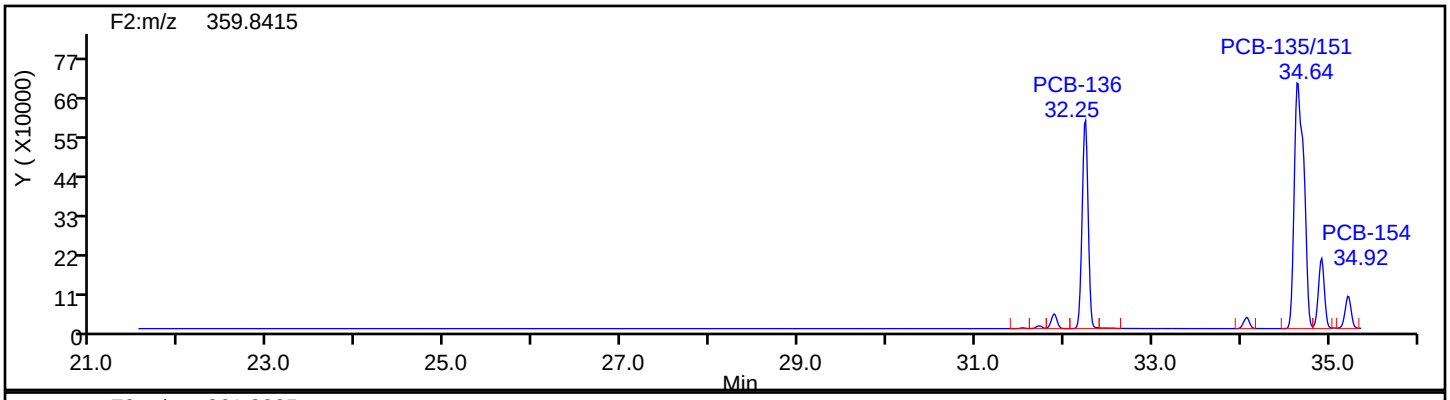


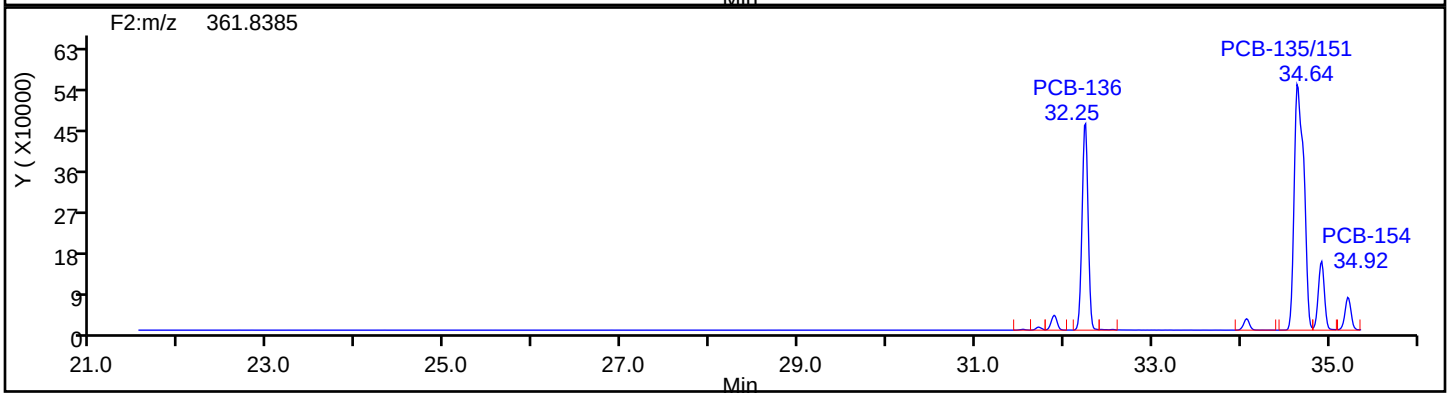

Reviewer: nordquistj, 03-Oct-2019 16:59:38
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

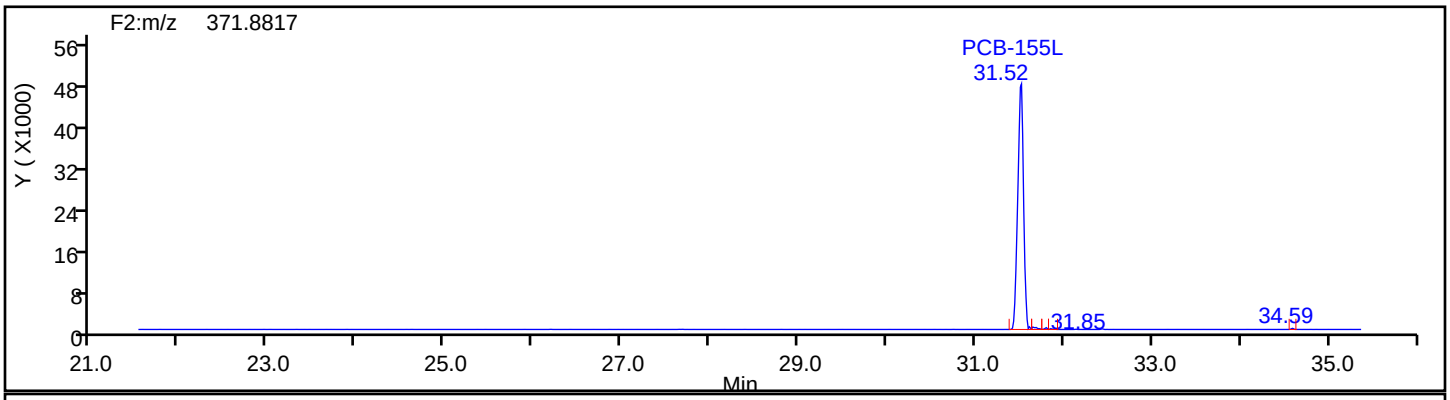
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

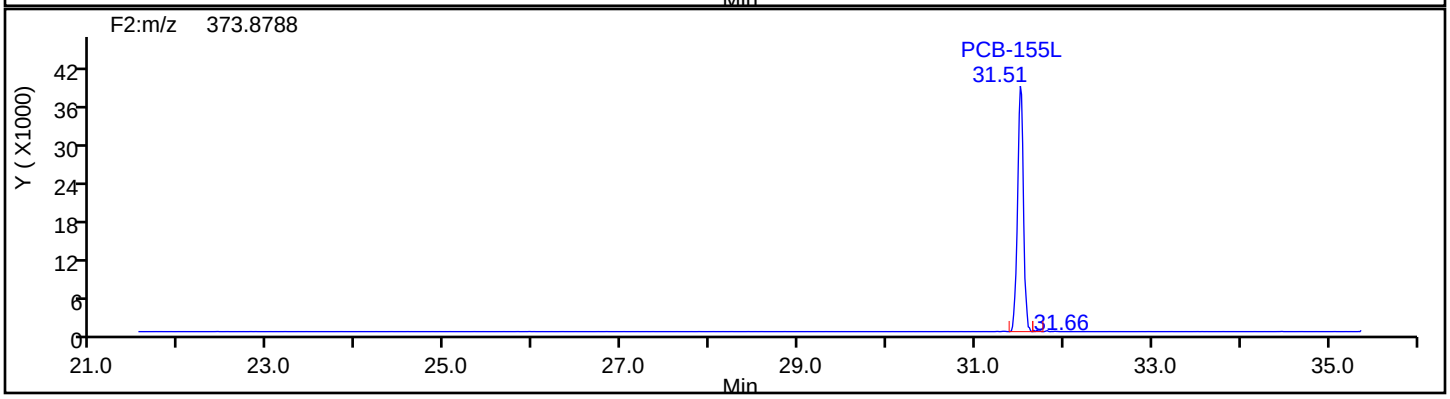
HxPCB F2




HxPCB F2 Standards

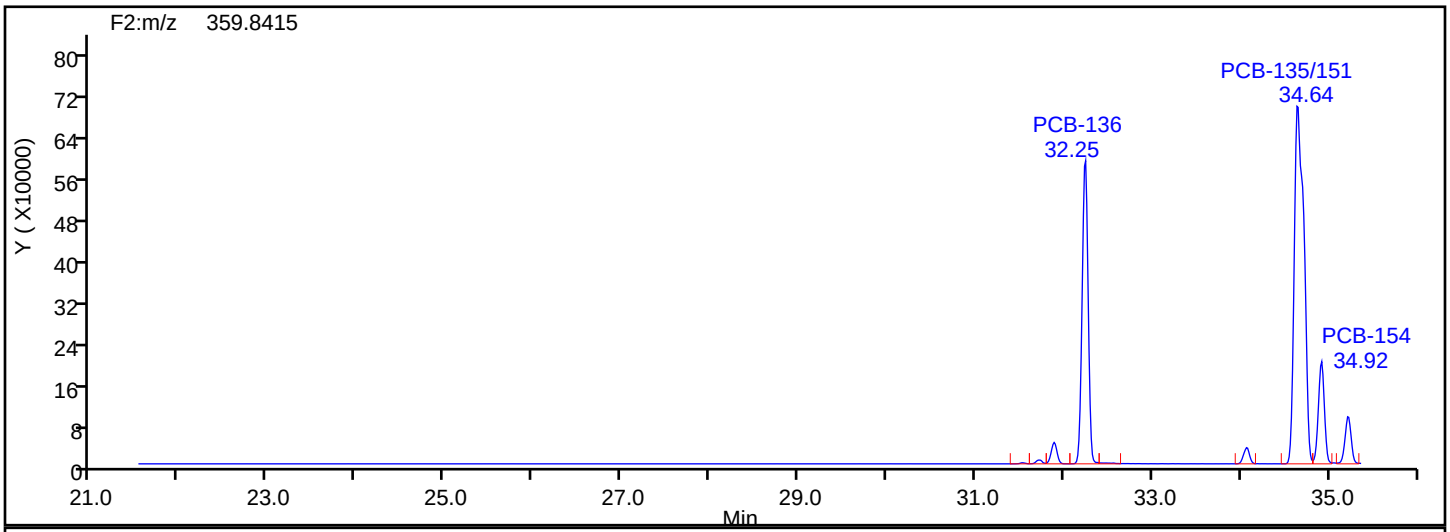


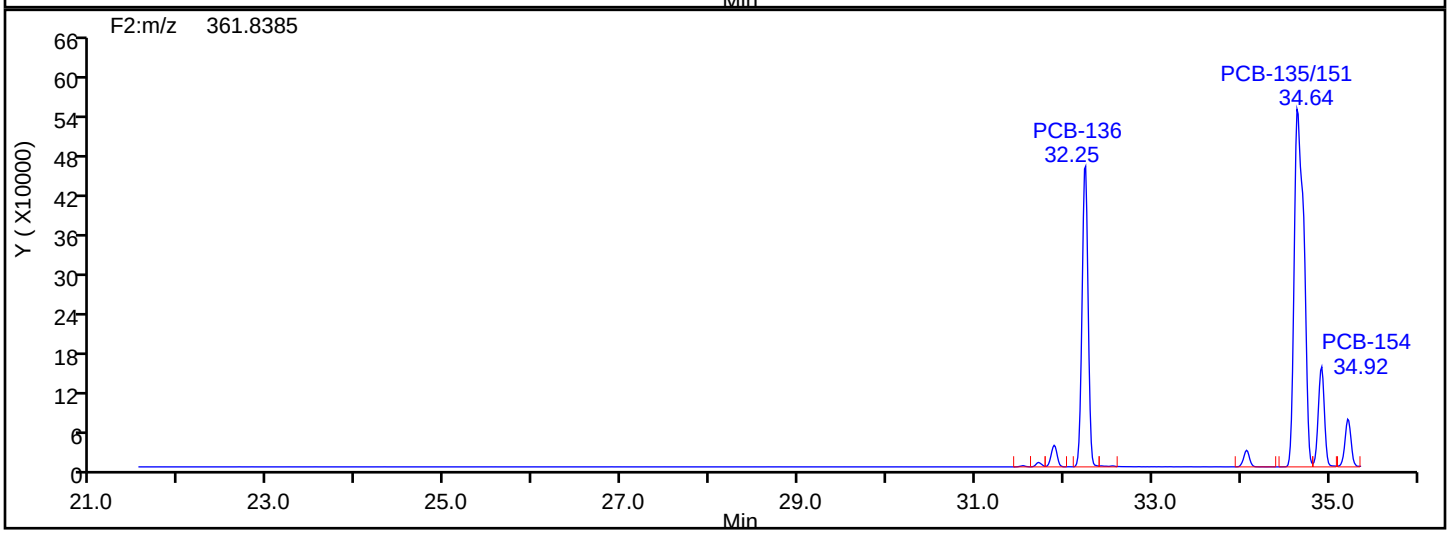



Eurofins TestAmerica, Knoxville

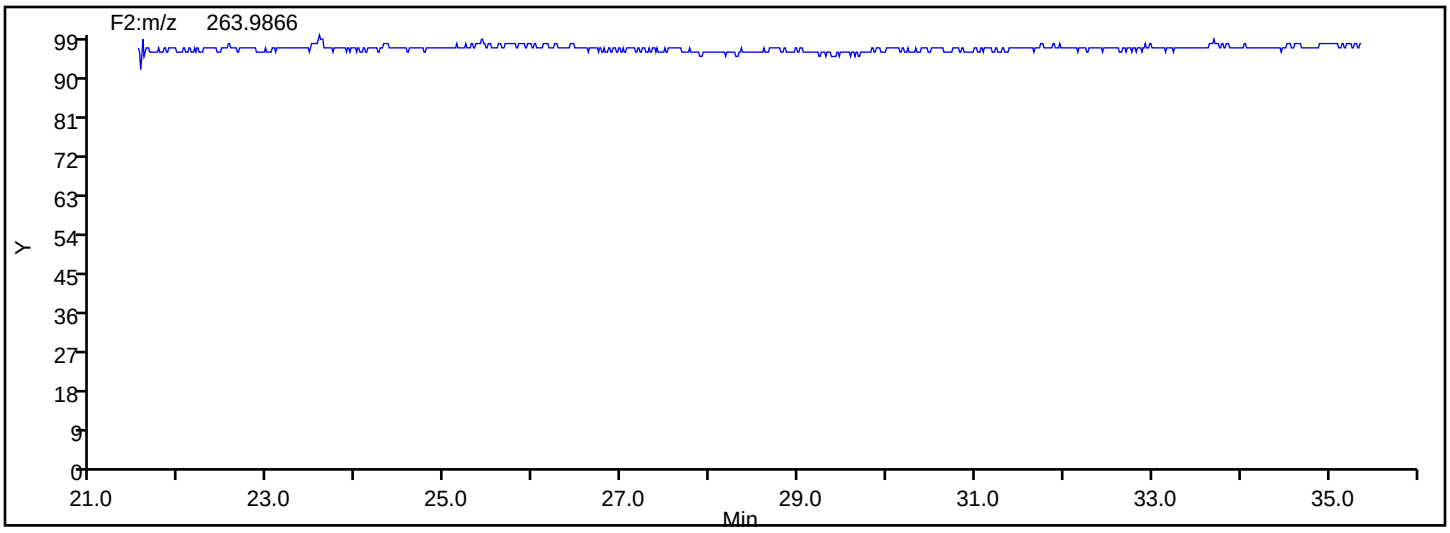
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

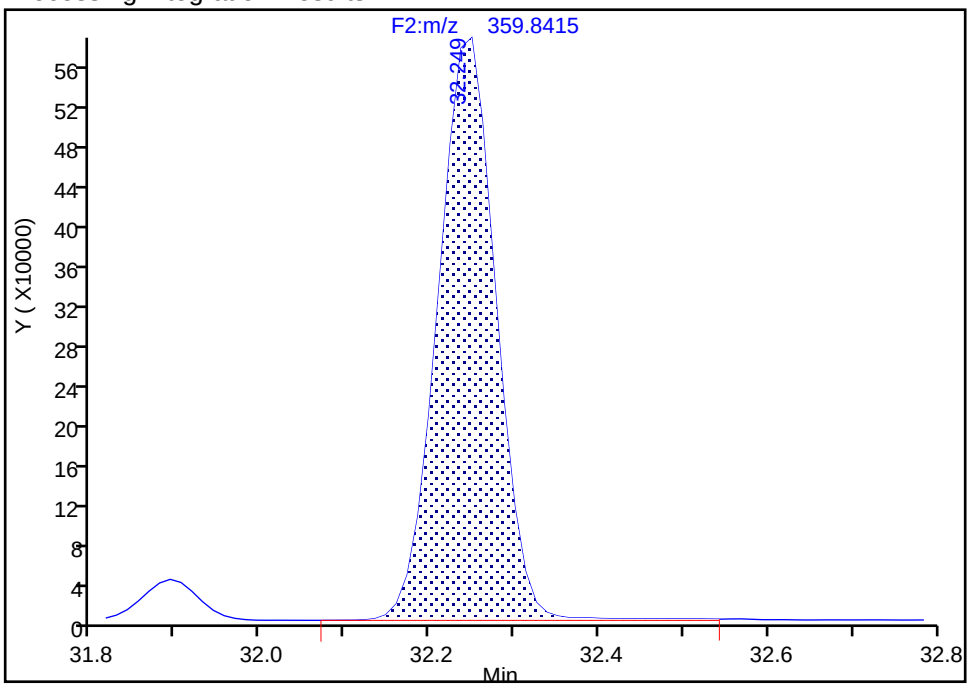
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-136, CAS: 38411-22-2

Signal: 1

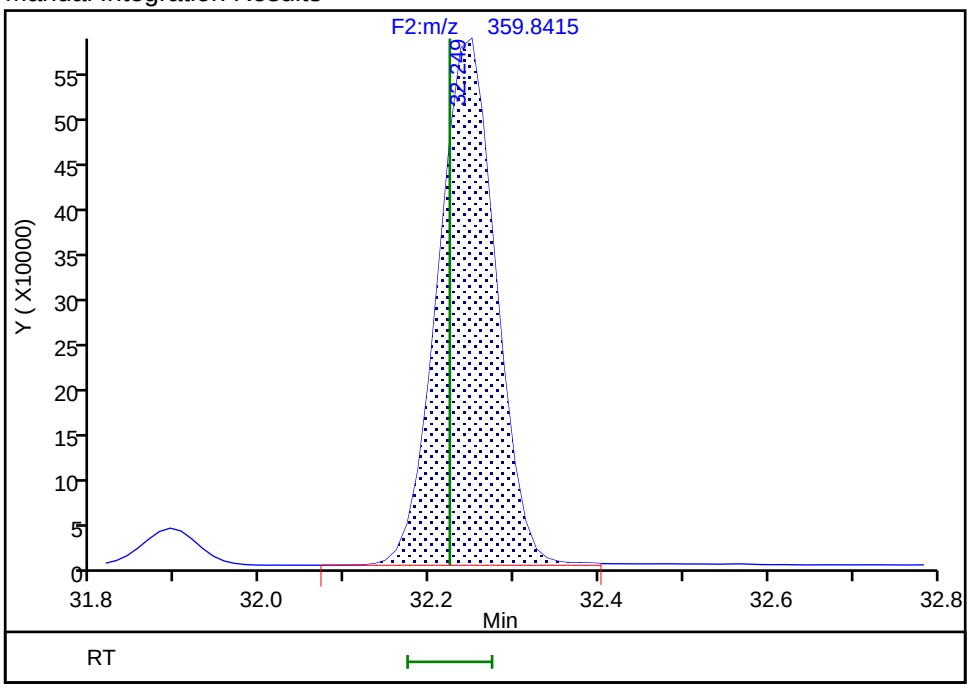
Processing Integration Results

RT: 32.25
Area: 2802254
Amount: 216.1121
Amount Units: pg/ul




Manual Integration Results

RT: 32.25
Area: 2789287
Amount: 215.5513
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:00:10
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

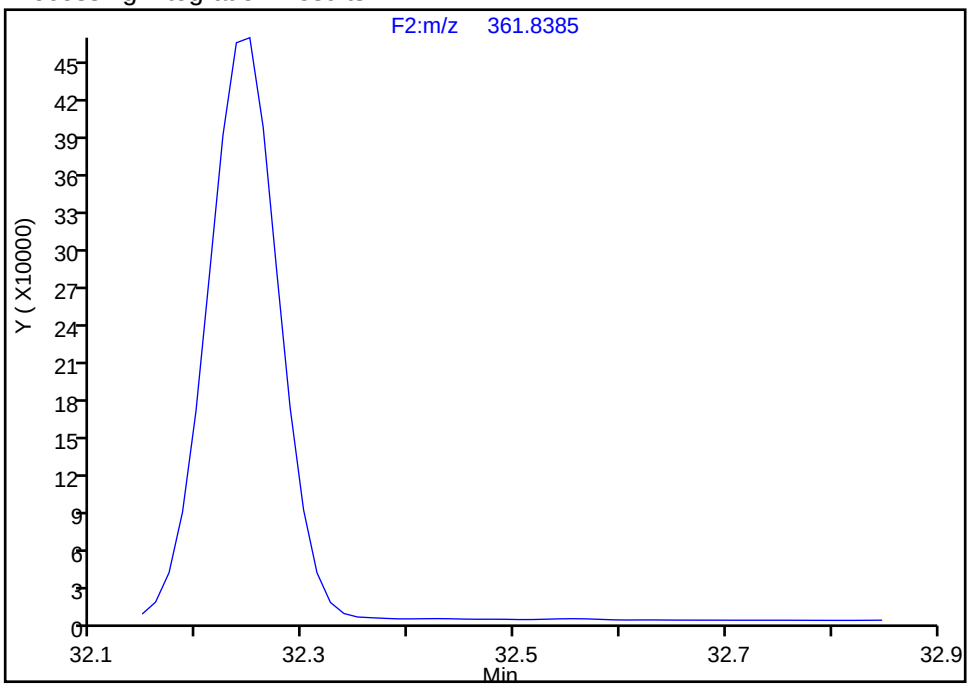
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

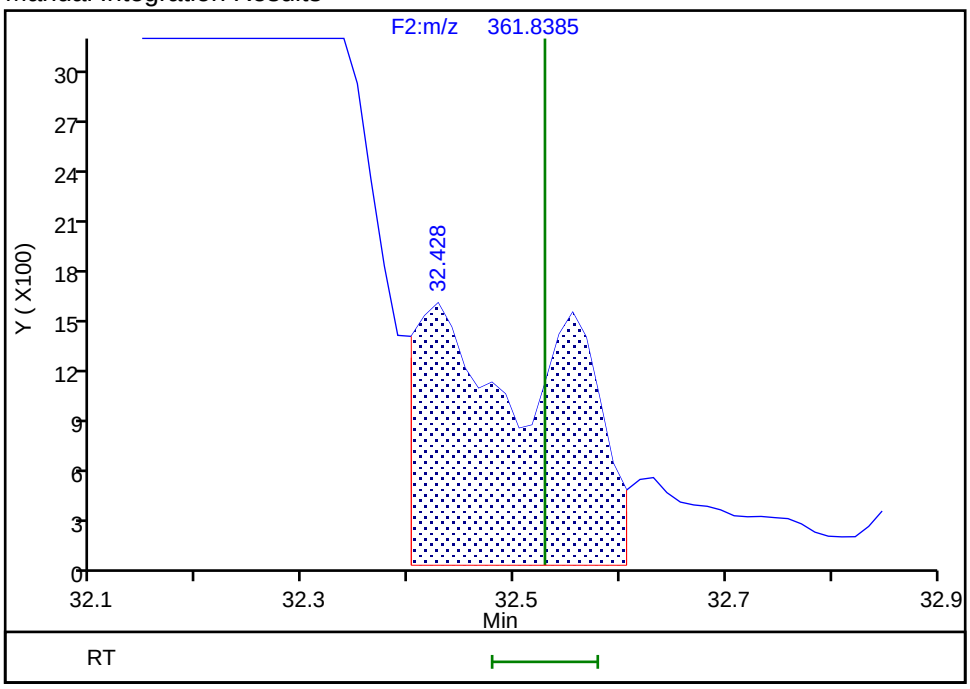
Not Detected
Expected RT: 32.53

Processing Integration Results




Manual Integration Results

RT: 32.43
Area: 13902
Amount: 1.358074
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:00:23
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

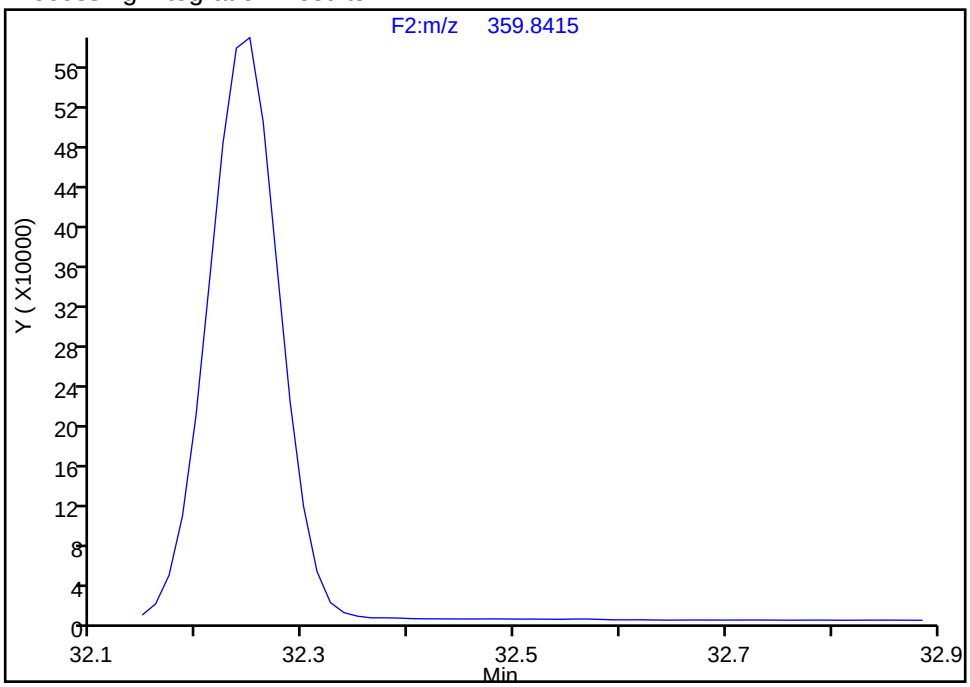
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

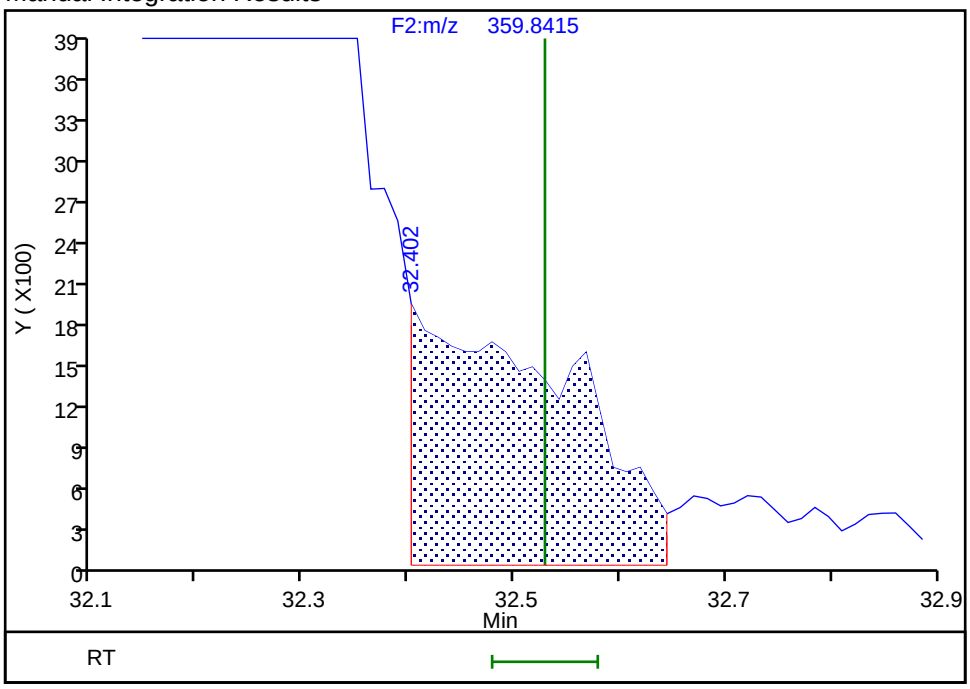
Processing Integration Results

Not Detected
Expected RT: 32.53




Manual Integration Results

RT: 32.40
Area: 18441
Amount: 1.358074
Amount Units: pg/ul

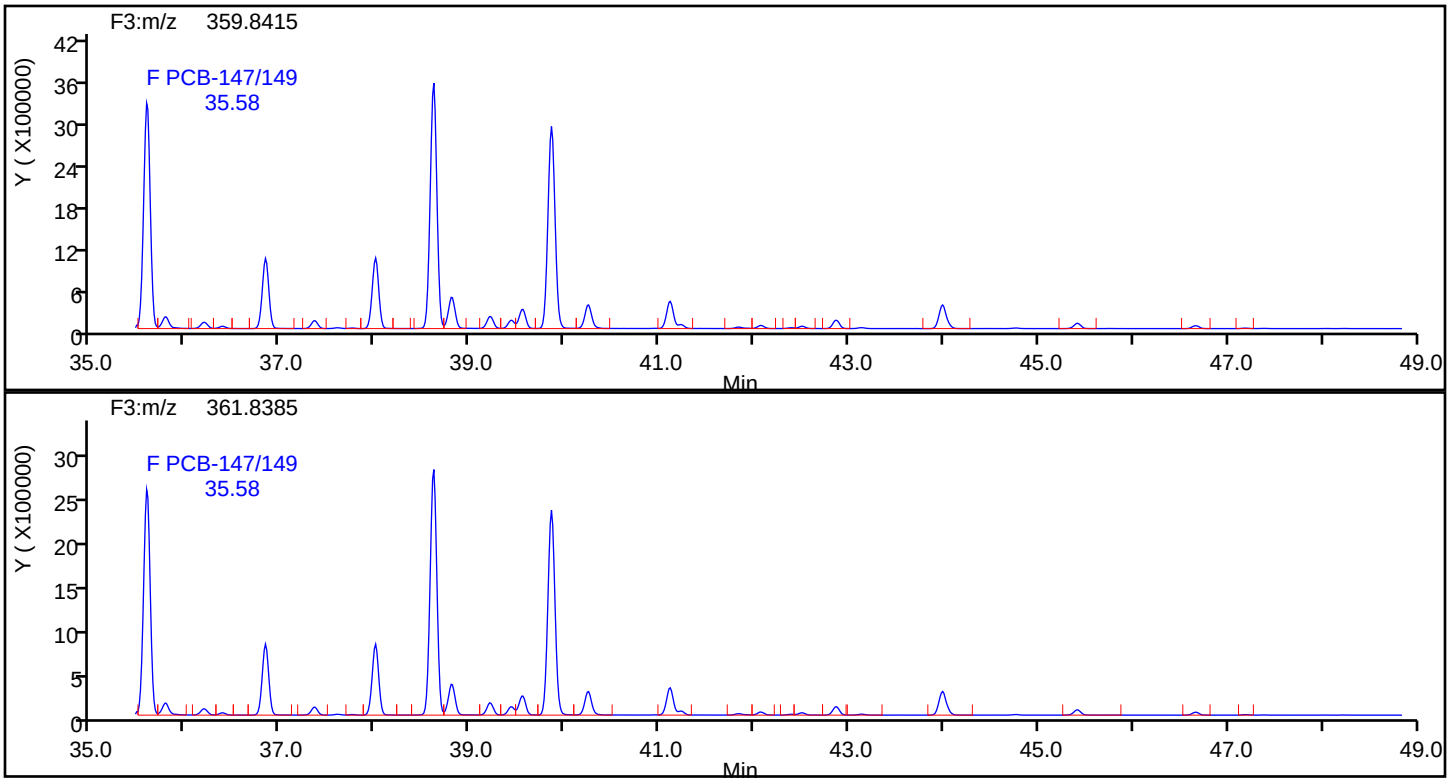



Reviewer: nordquistj, 03-Oct-2019 17:00:23
Audit Action: Manually Integrated Audit Reason: Split Peak

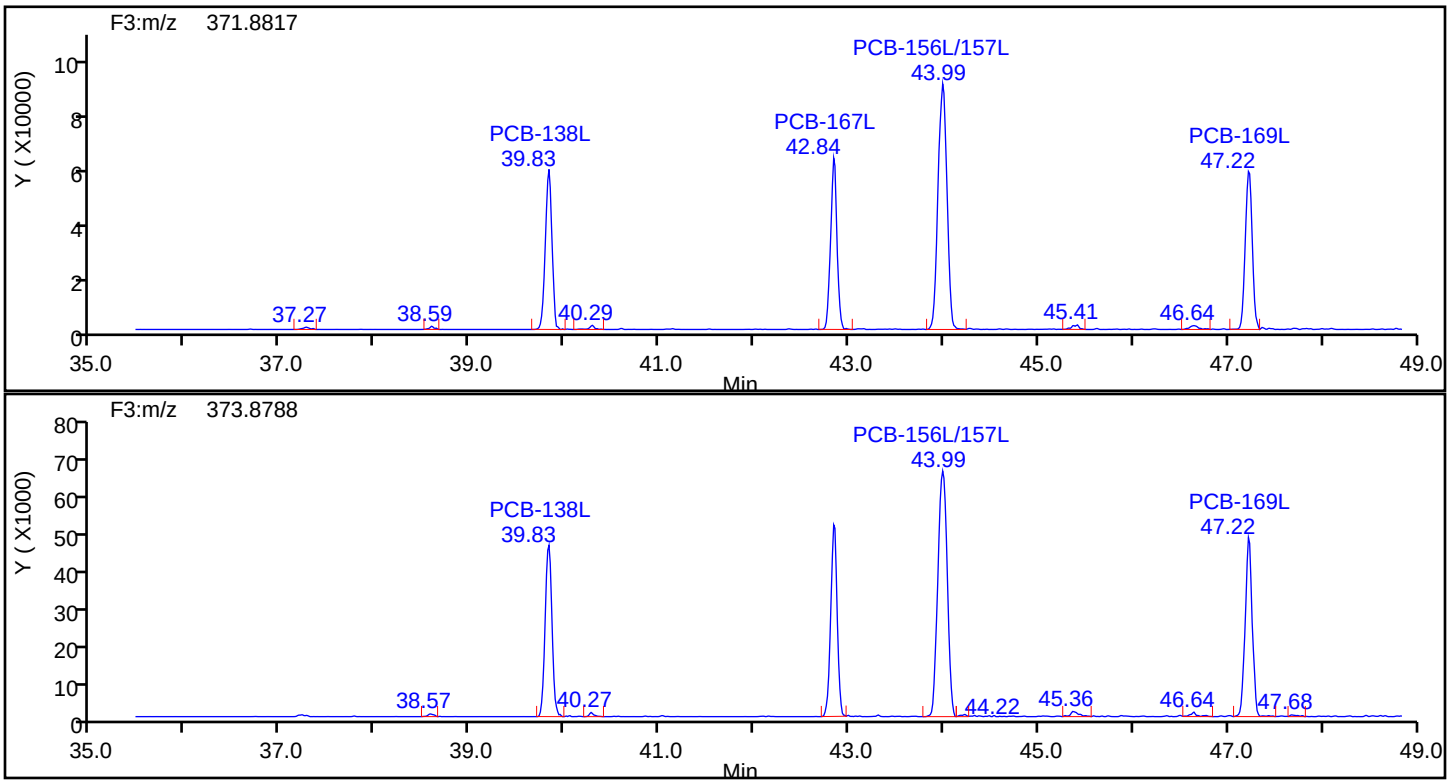
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



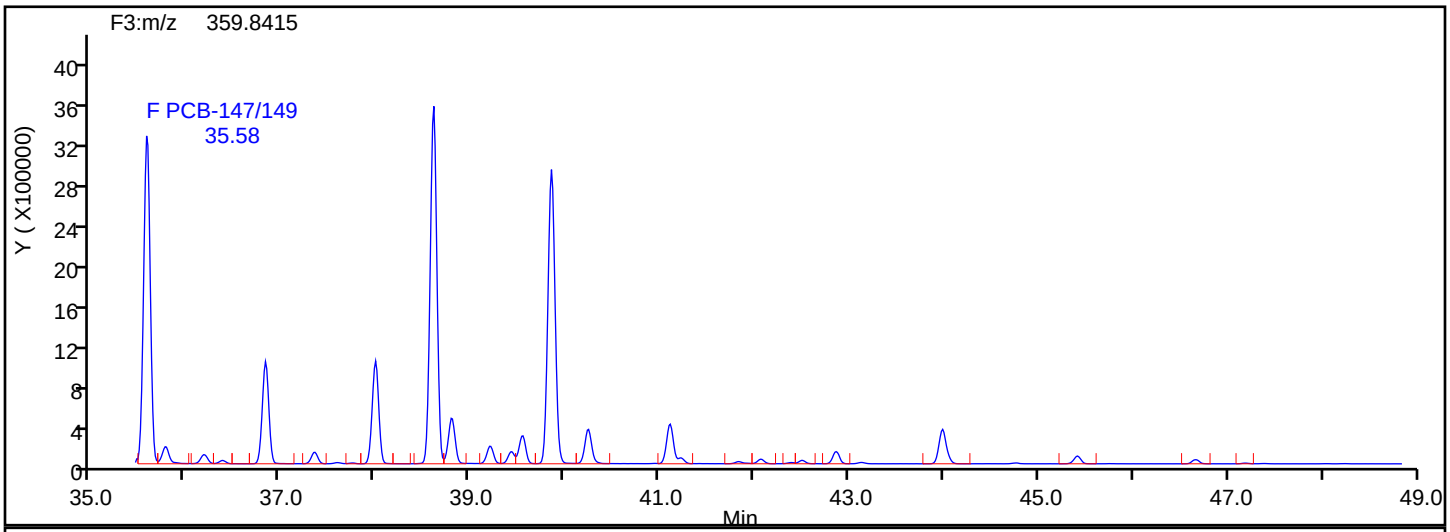

HxPCB F3 Standards

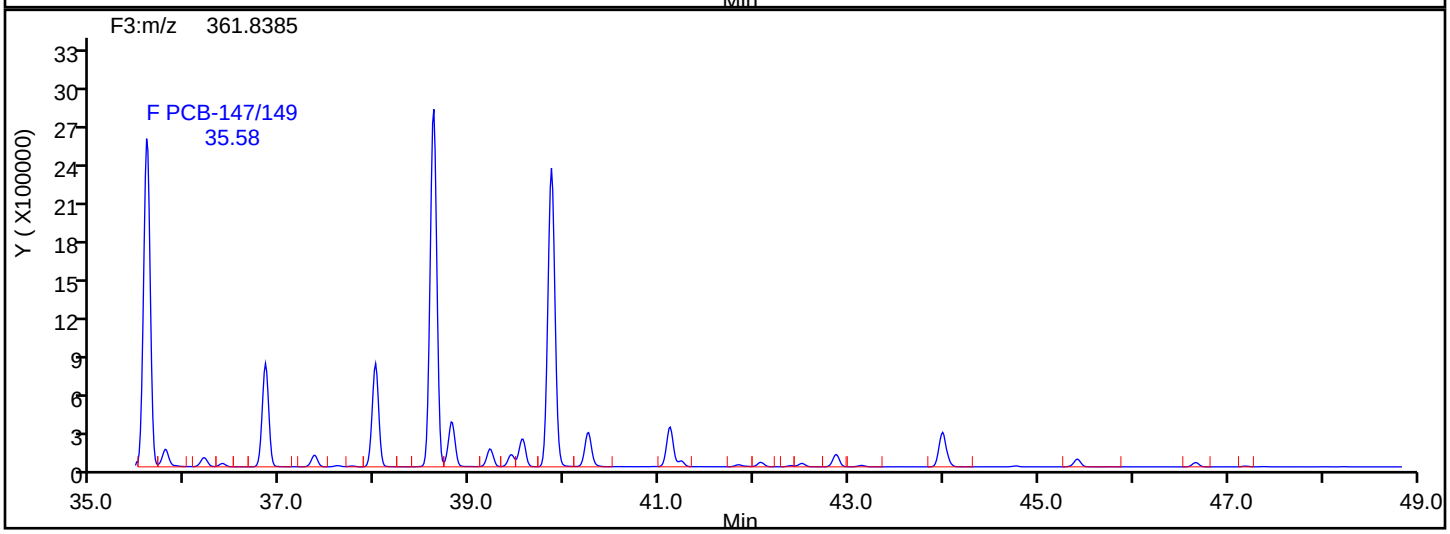


Eurofins TestAmerica, Knoxville

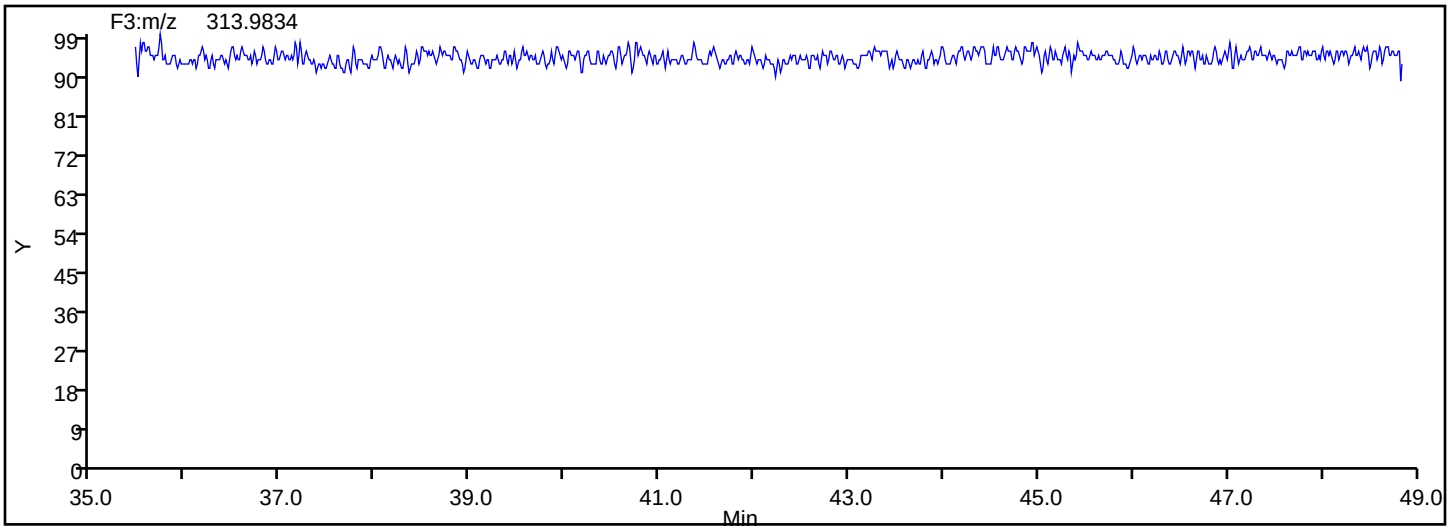
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

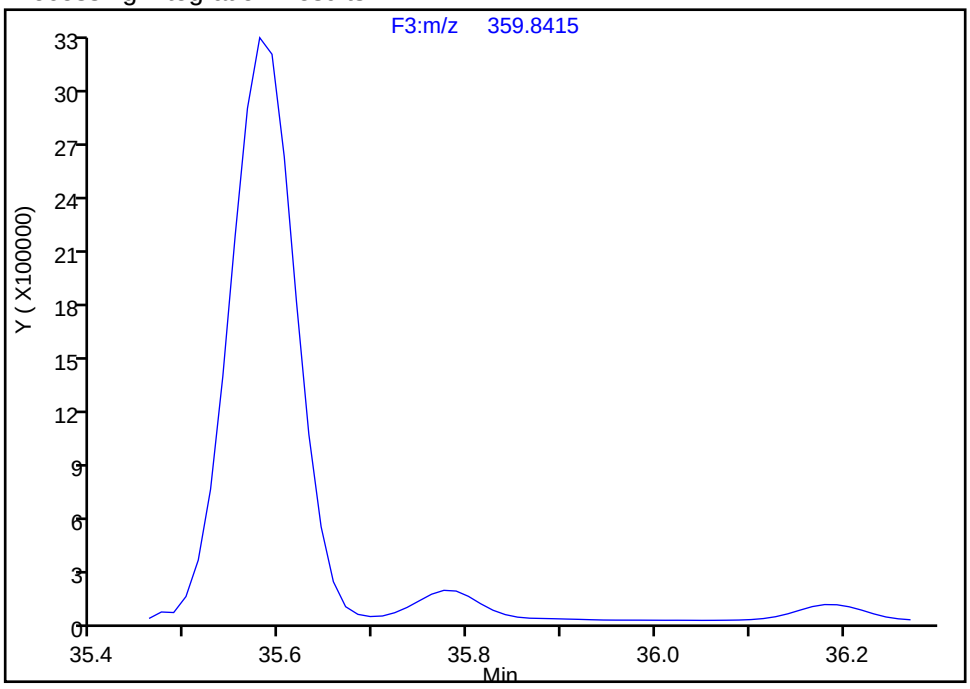
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

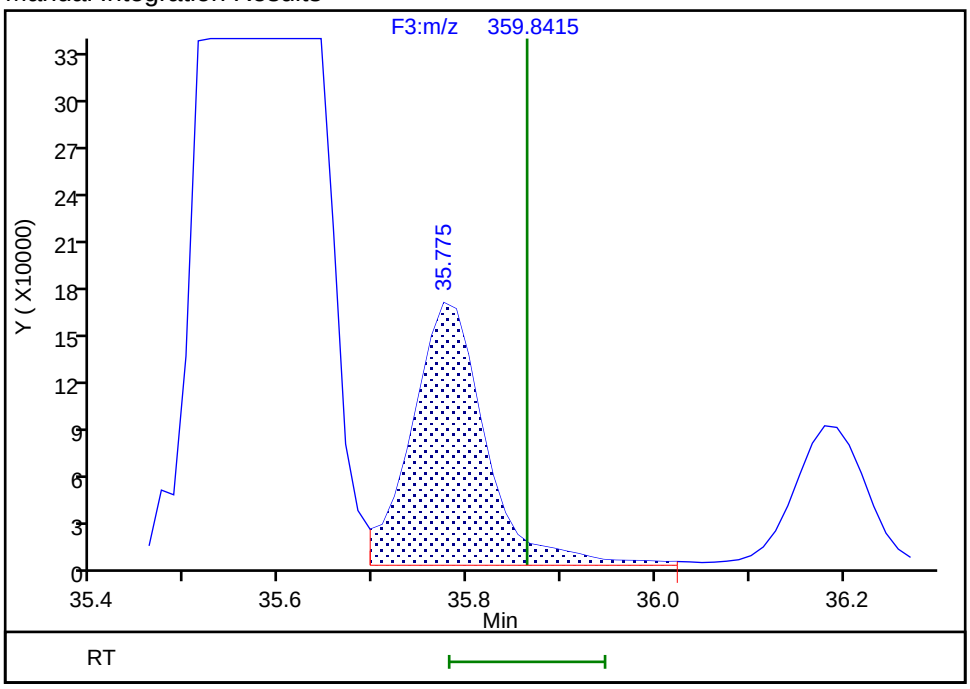
Not Detected
Expected RT: 35.86

Processing Integration Results




Manual Integration Results

RT: 35.77
Area: 908697
Amount: 71.219066
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:00:34
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

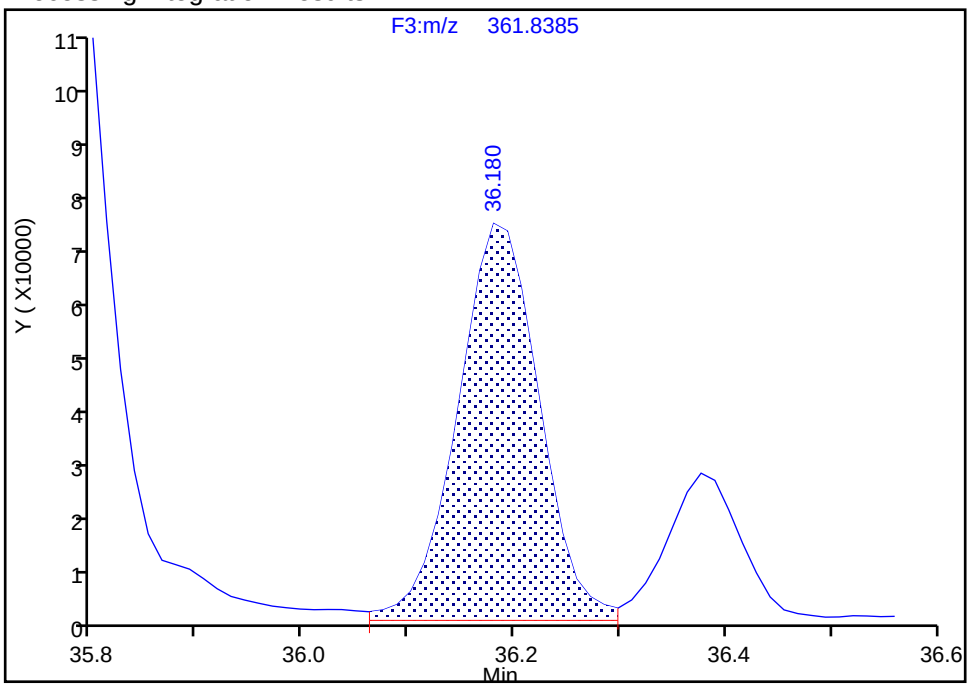
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-139/140, CAS: STL01820

Signal: 2

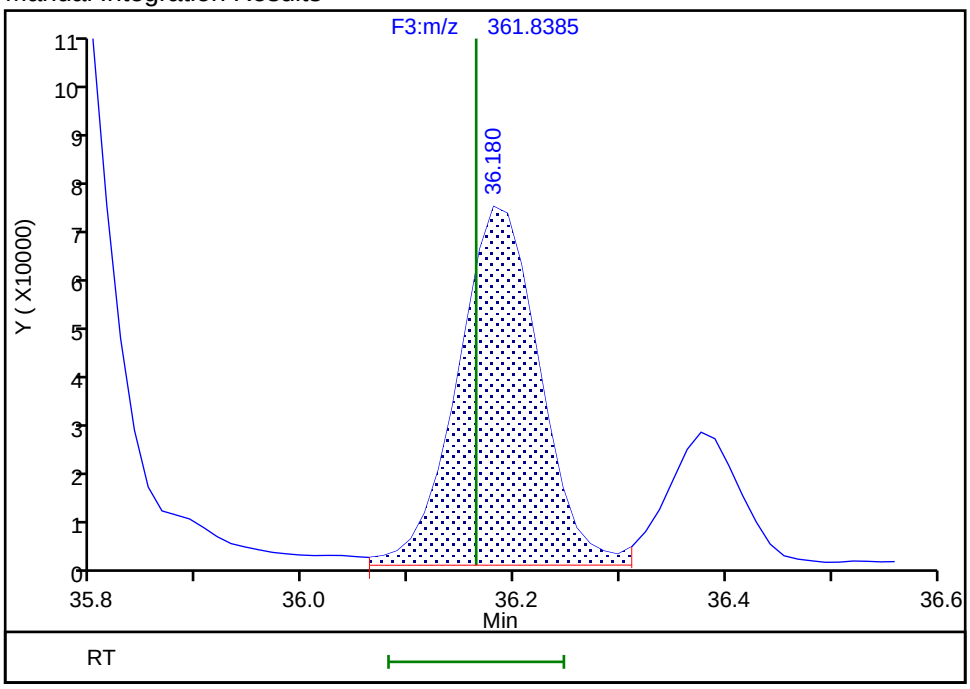
Processing Integration Results

RT: 36.18
Area: 381470
Amount: 31.884706
Amount Units: pg/ul




Manual Integration Results

RT: 36.18
Area: 383522
Amount: 31.960795
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:03

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

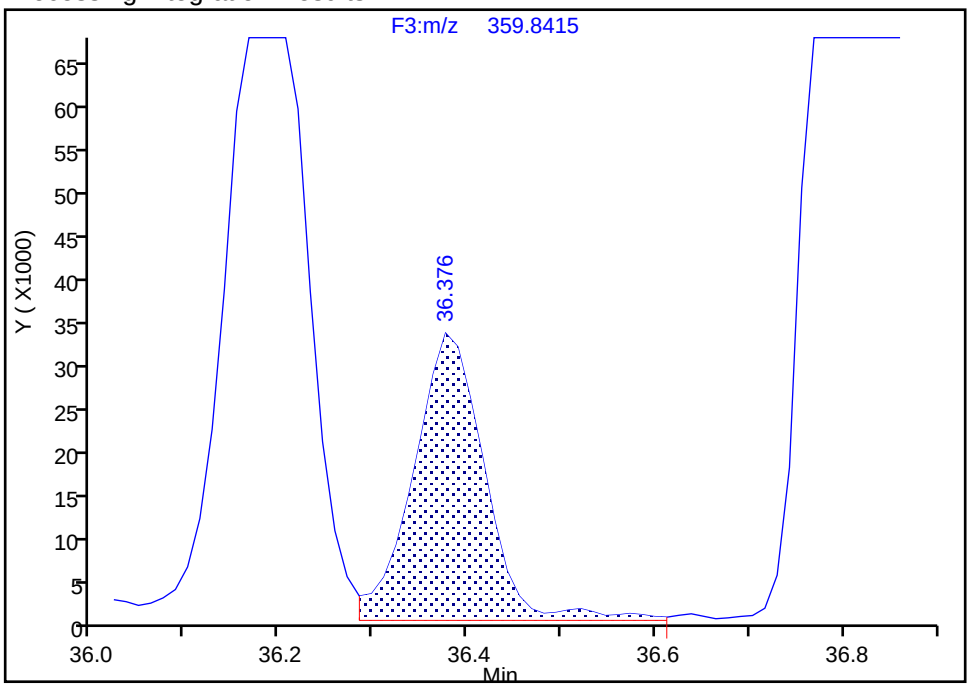
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-131, CAS: 61798-70-7

Signal: 1

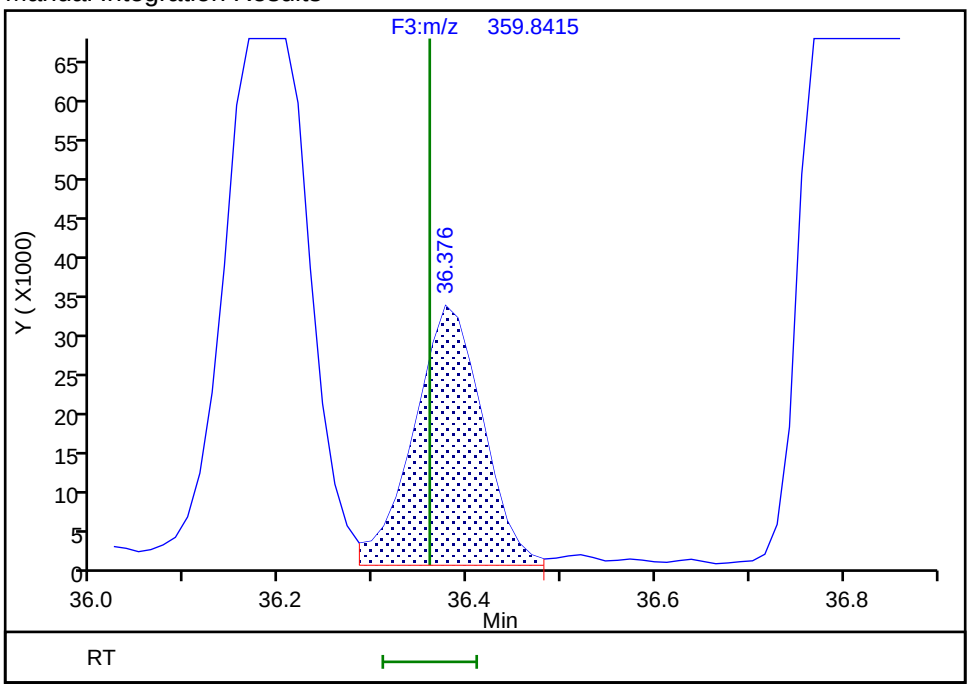
Processing Integration Results

RT: 36.38
Area: 172863
Amount: 13.278086
Amount Units: pg/ul




Manual Integration Results

RT: 36.38
Area: 166625
Amount: 12.670258
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:00:51

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

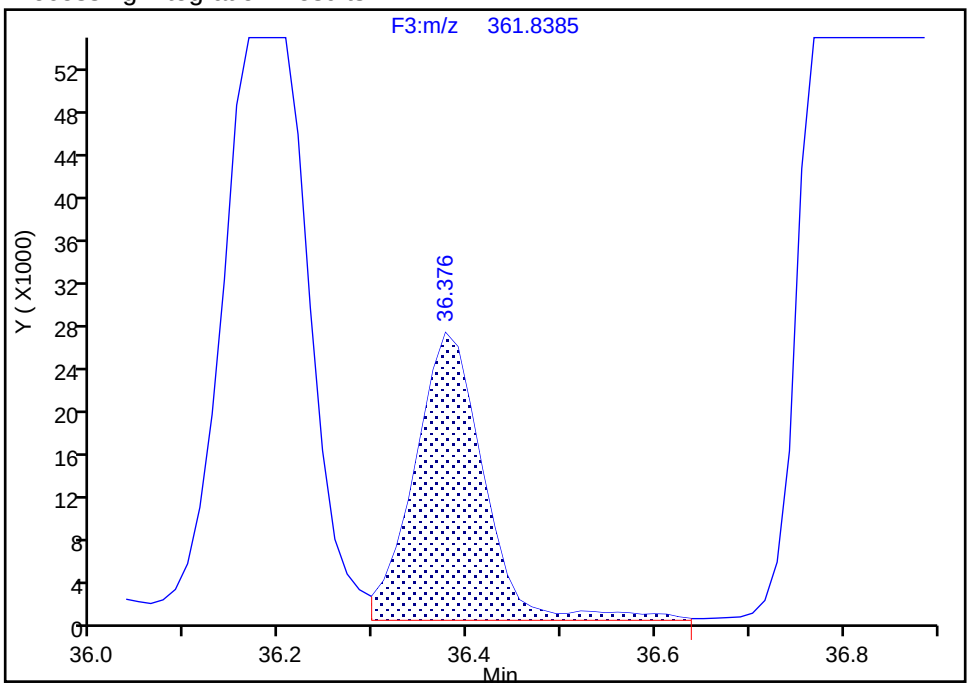
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-131, CAS: 61798-70-7

Signal: 2

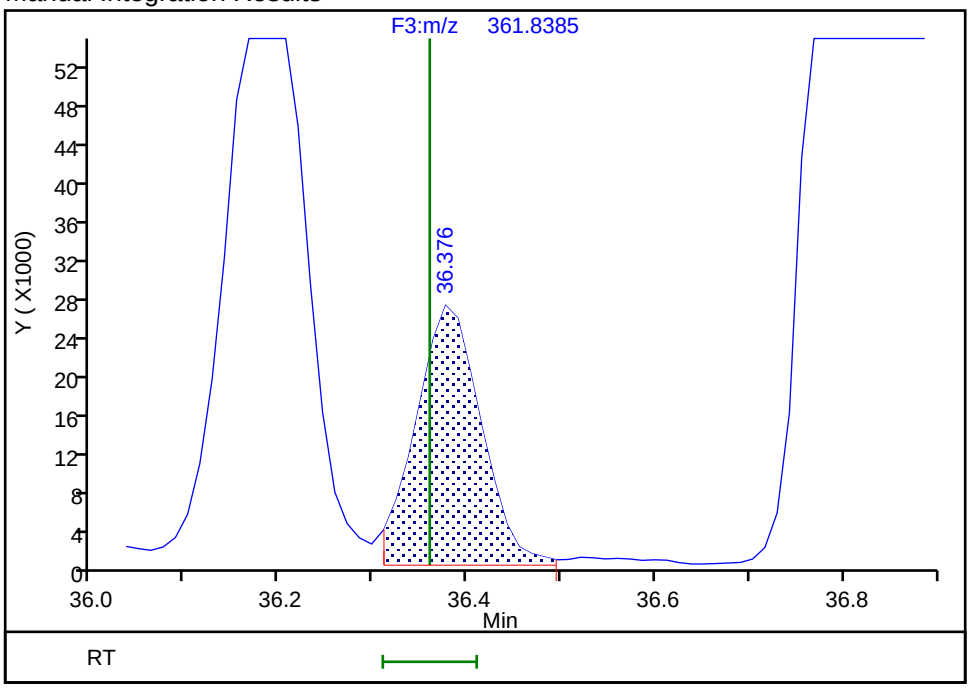
Processing Integration Results

RT: 36.38
Area: 134673
Amount: 13.278086
Amount Units: pg/ul




Manual Integration Results

RT: 36.38
Area: 126833
Amount: 12.670258
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:03
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

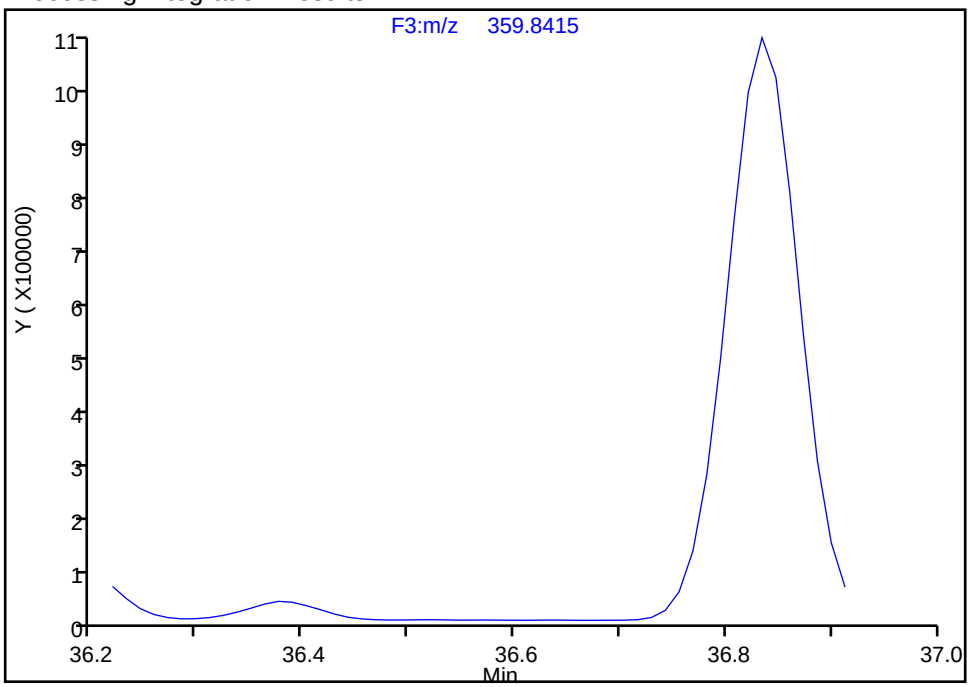
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-142, CAS: 41411-61-4

Signal: 1

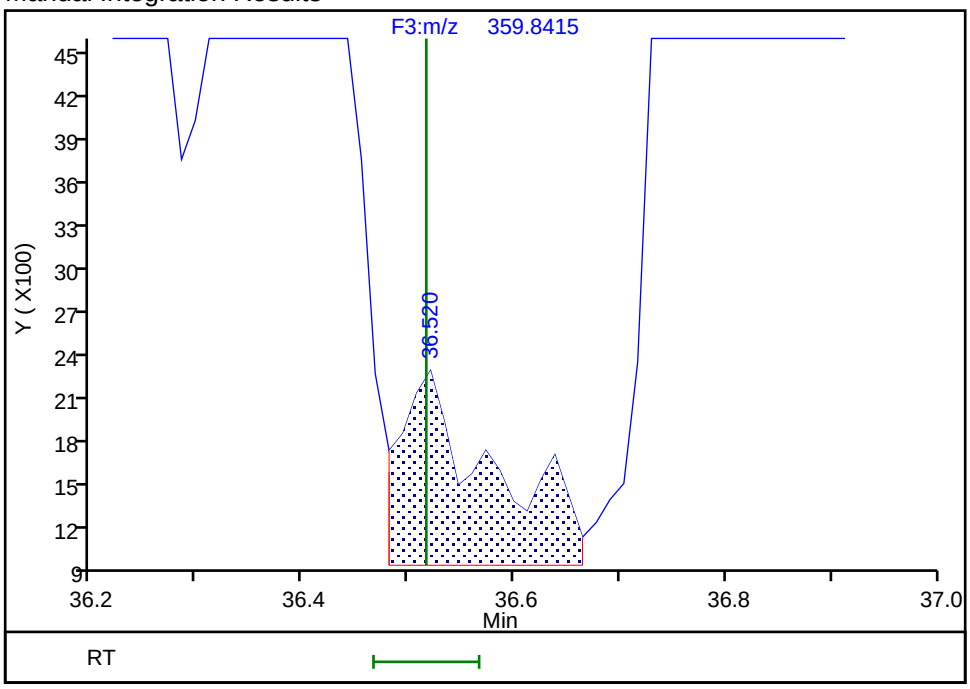
Not Detected
Expected RT: 36.52

Processing Integration Results




Manual Integration Results

RT: 36.52
Area: 7964
Amount: 0.558368
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:17
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

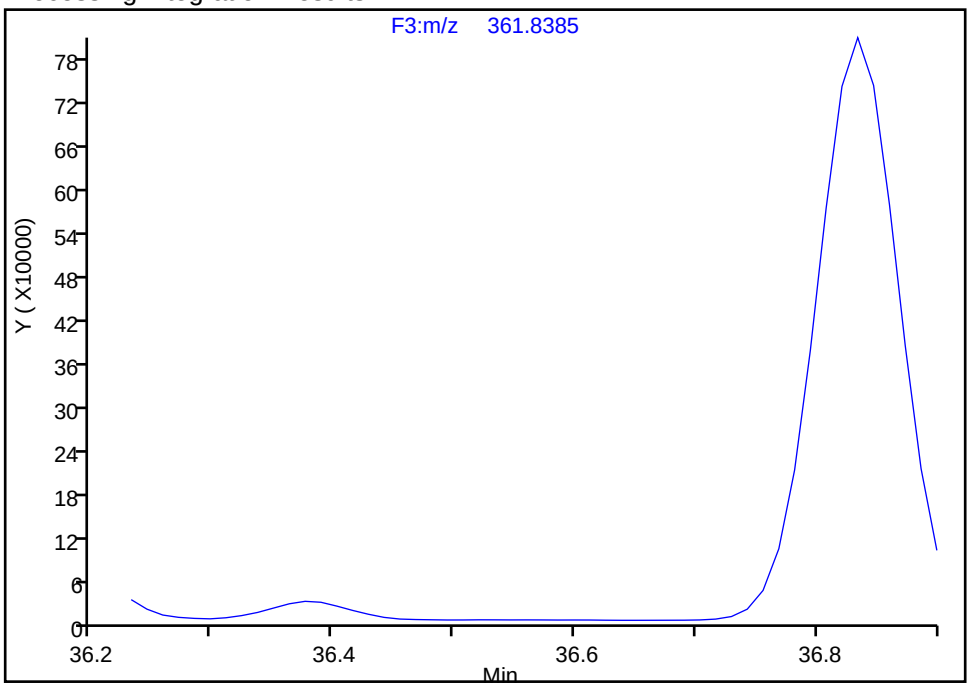
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-142, CAS: 41411-61-4

Signal: 2

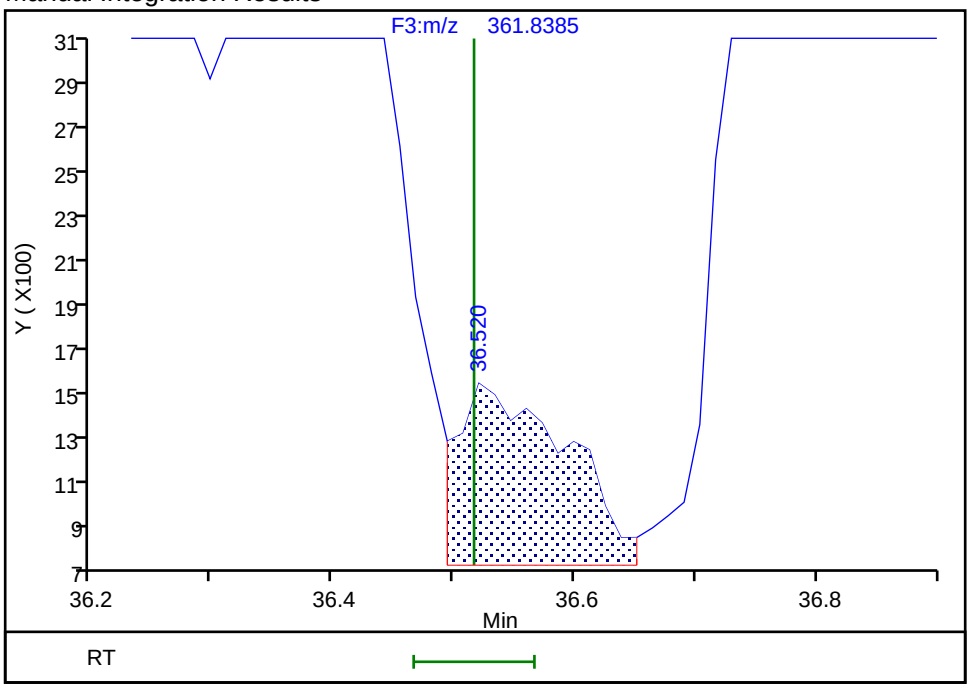
Not Detected
Expected RT: 36.52

Processing Integration Results




Manual Integration Results

RT: 36.52
Area: 4988
Amount: 0.558368
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:21
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

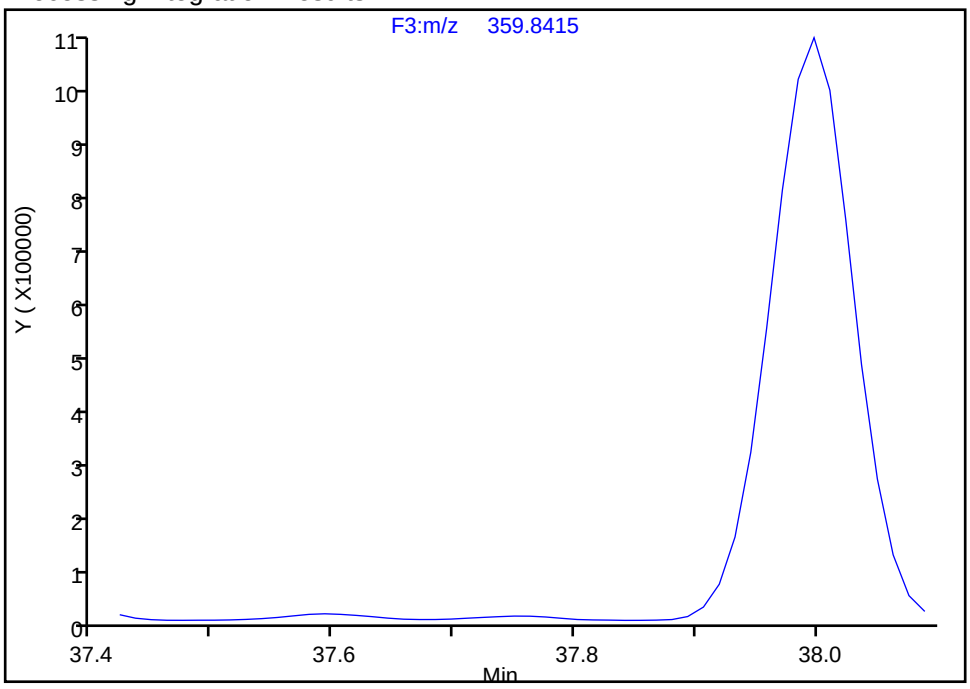
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-165, CAS: 74472-46-1

Signal: 1

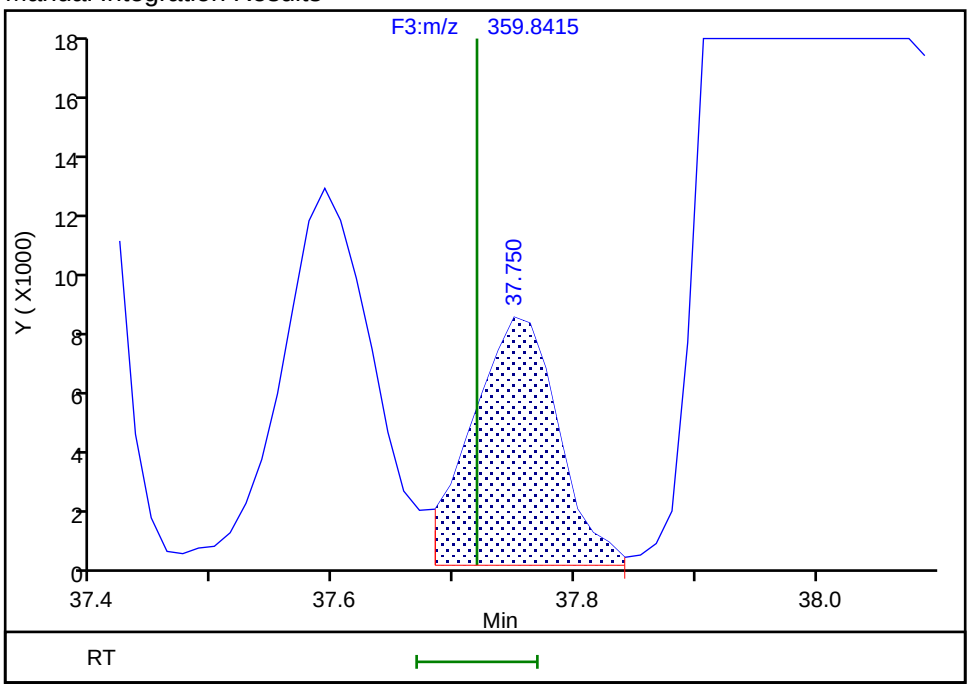
Not Detected
Expected RT: 37.72

Processing Integration Results




Manual Integration Results

RT: 37.75
Area: 37613
Amount: 2.293242
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:33
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

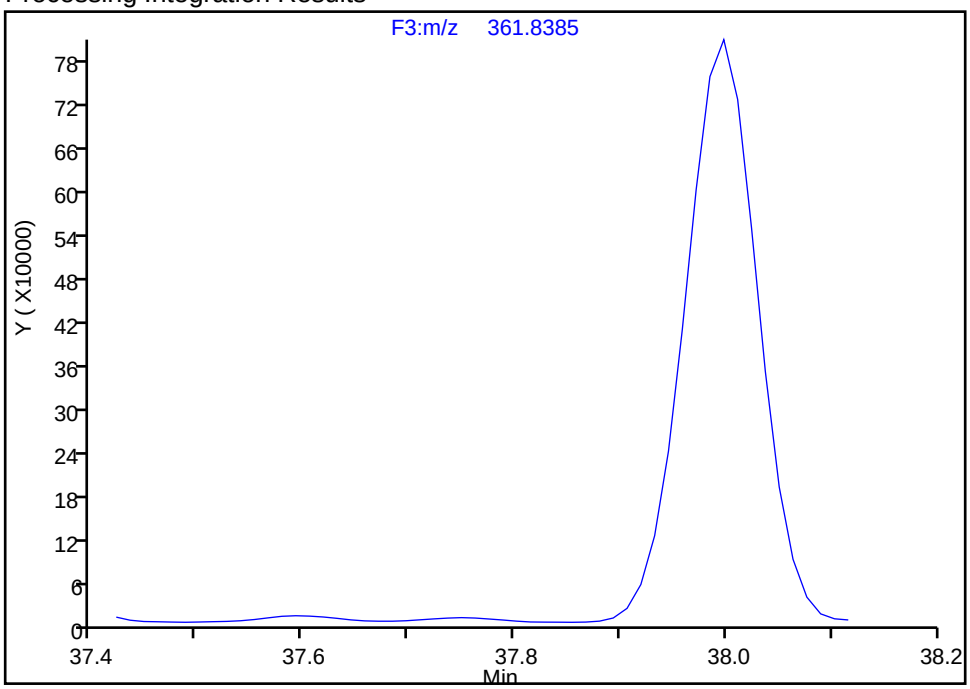
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-165, CAS: 74472-46-1

Signal: 2

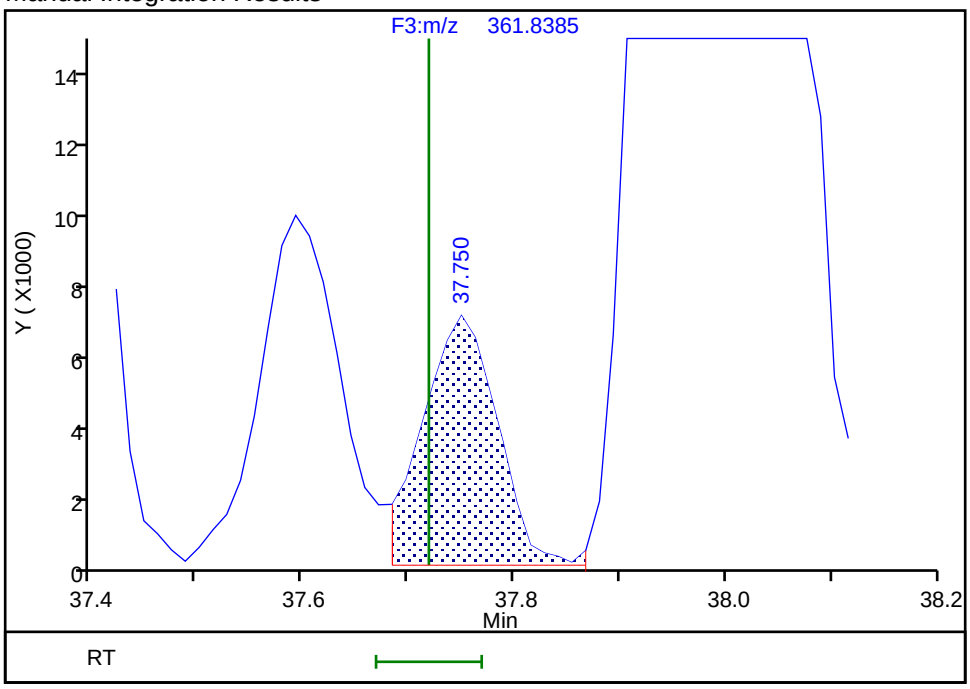
Not Detected
Expected RT: 37.72

Processing Integration Results




Manual Integration Results

RT: 37.75
Area: 31748
Amount: 2.293242
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:59
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

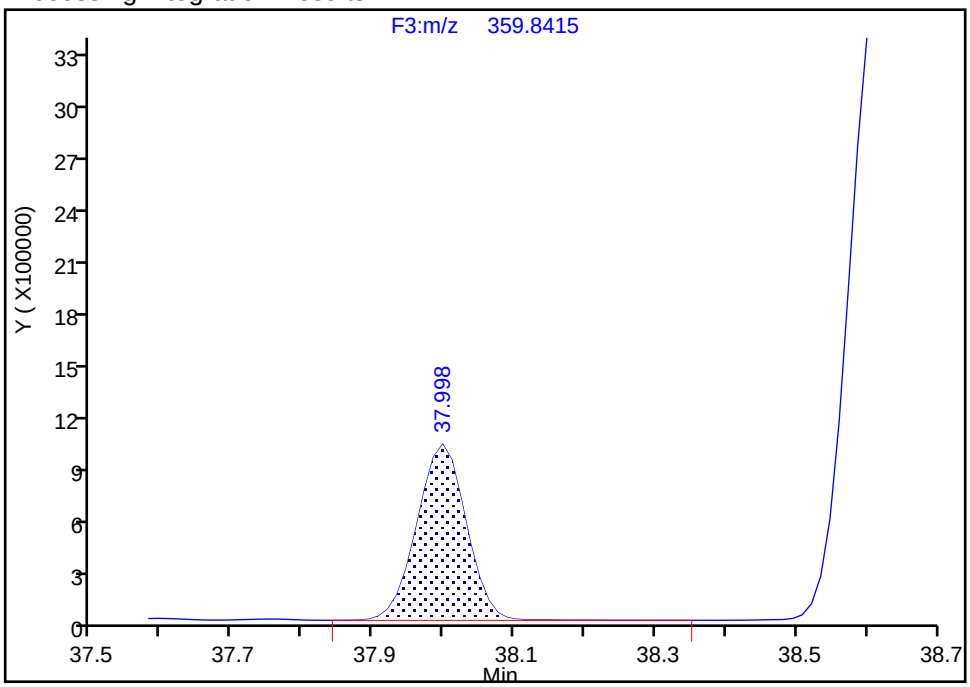
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 1

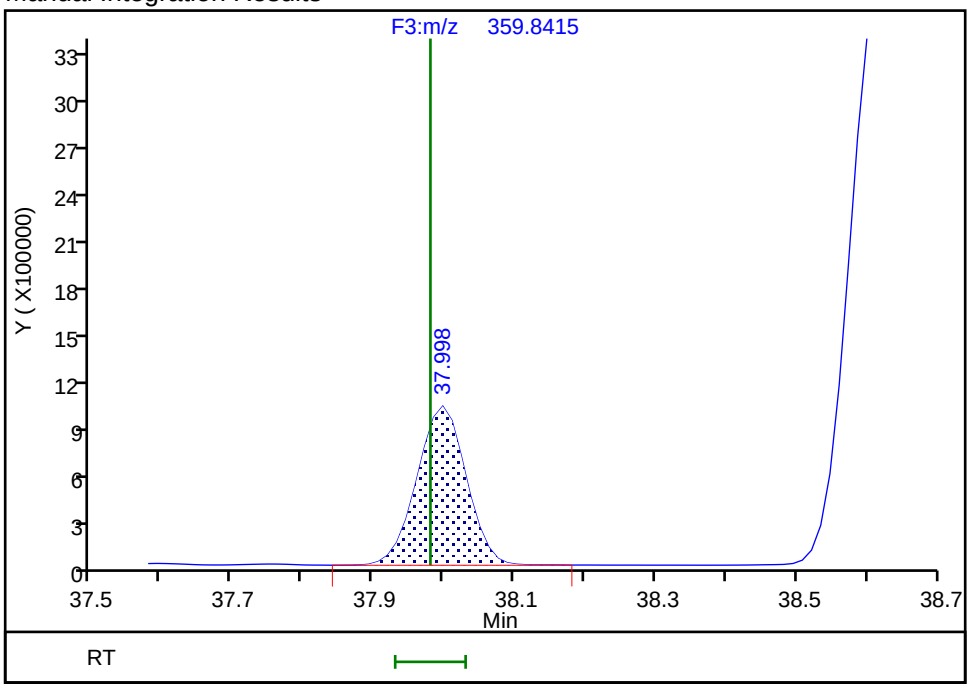
Processing Integration Results

RT: 38.00
Area: 4895062
Amount: 323.0553
Amount Units: pg/ul




Manual Integration Results

RT: 38.00
Area: 4886600
Amount: 322.5668
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:50

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

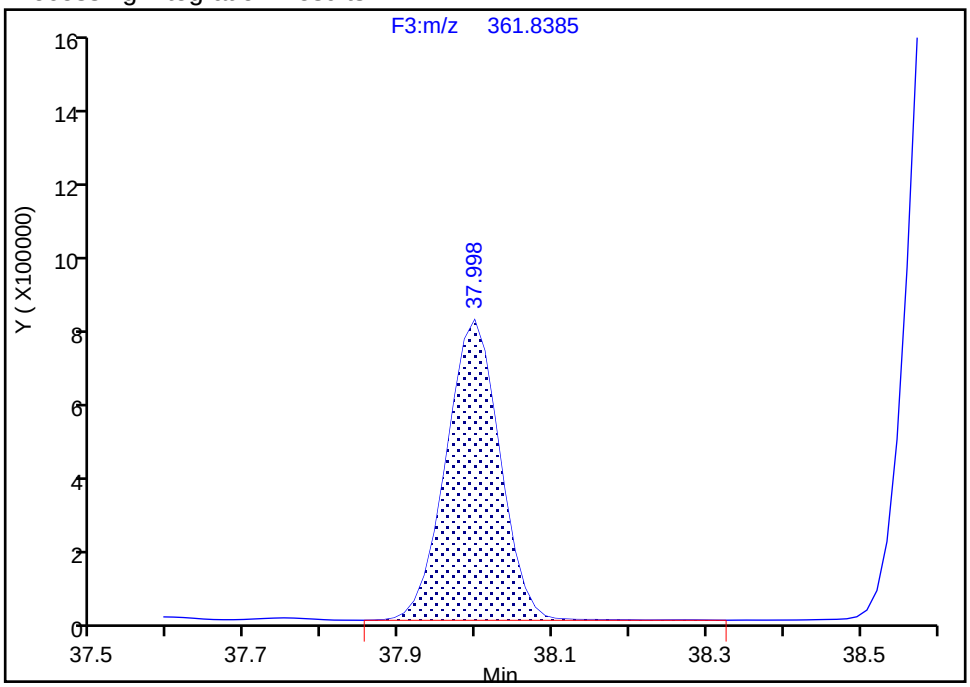
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 2

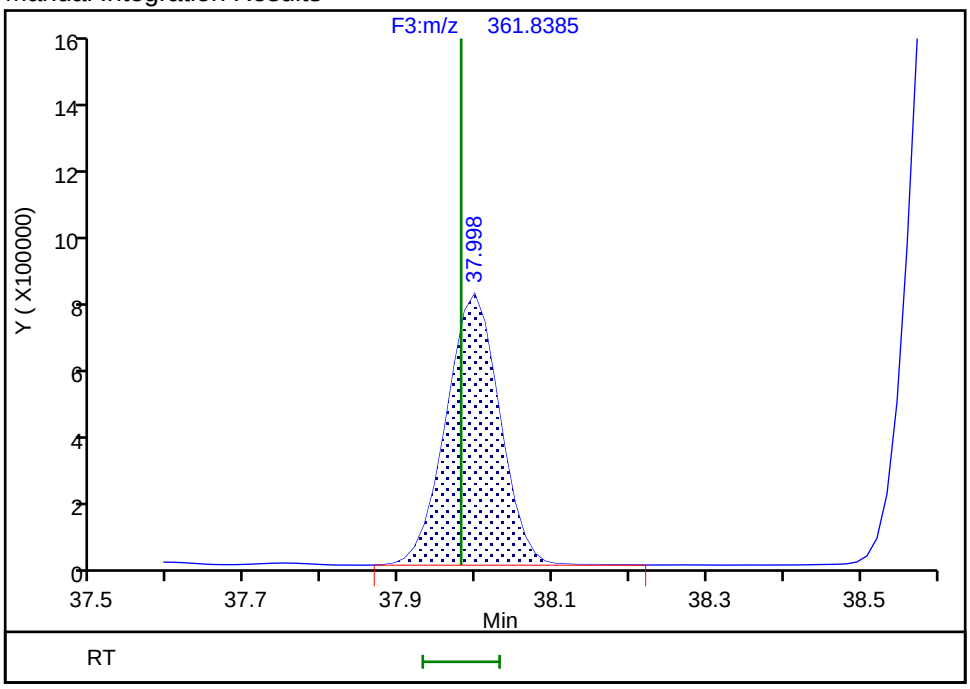
Processing Integration Results

RT: 38.00
Area: 3894286
Amount: 323.0553
Amount Units: pg/ul




Manual Integration Results

RT: 38.00
Area: 3889457
Amount: 322.5668
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:01:59
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

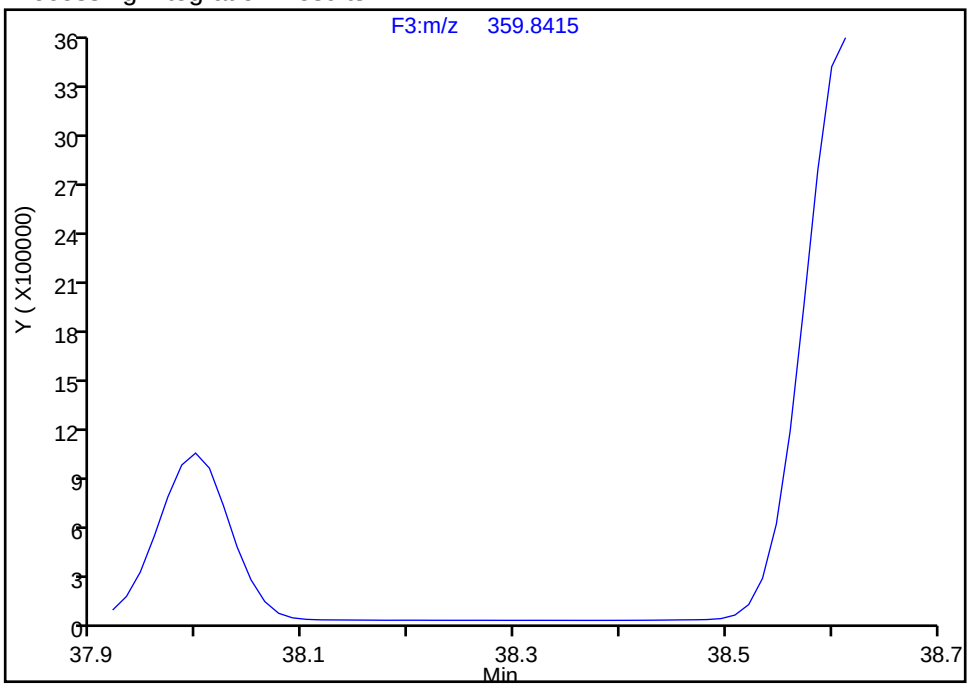
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-161, CAS: 74472-43-8

Signal: 1

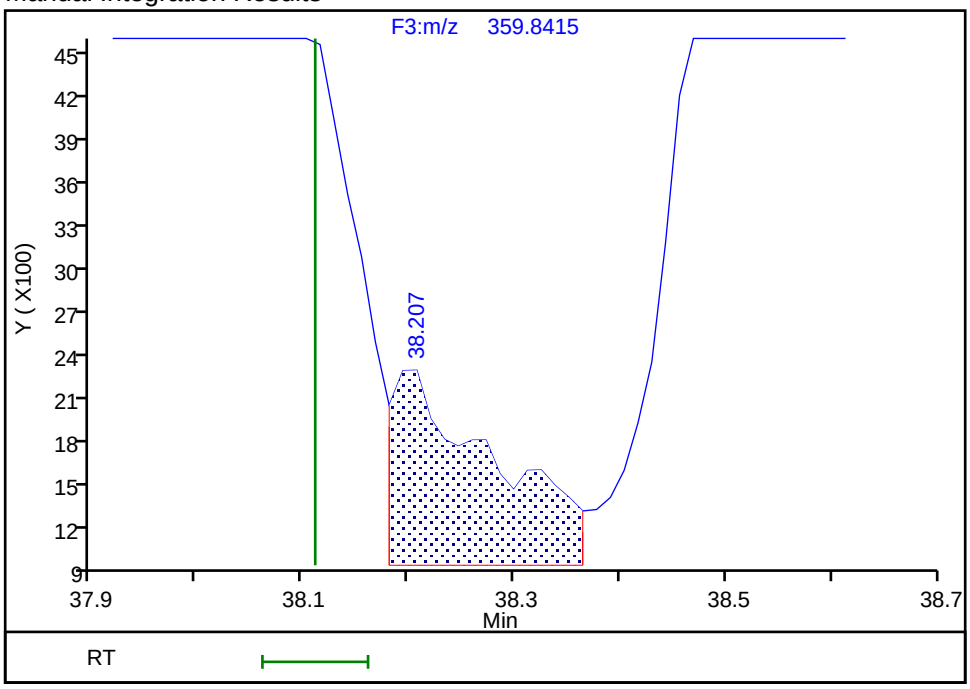
Not Detected
Expected RT: 38.11

Processing Integration Results




Manual Integration Results

RT: 38.21
Area: 8915
Amount: 0.389695
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:02:05
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

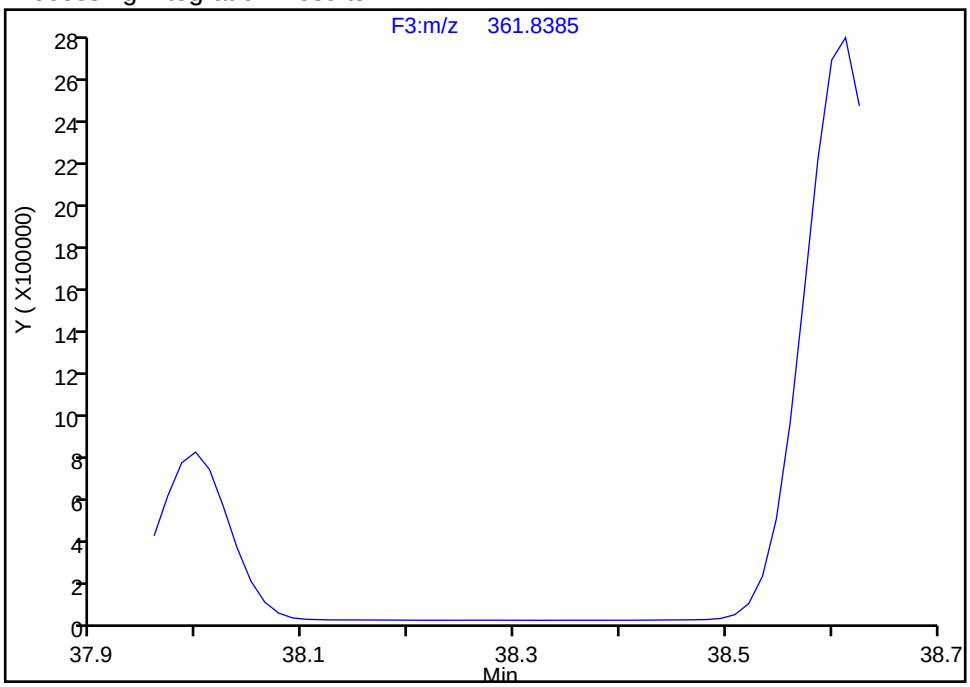
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-161, CAS: 74472-43-8

Signal: 2

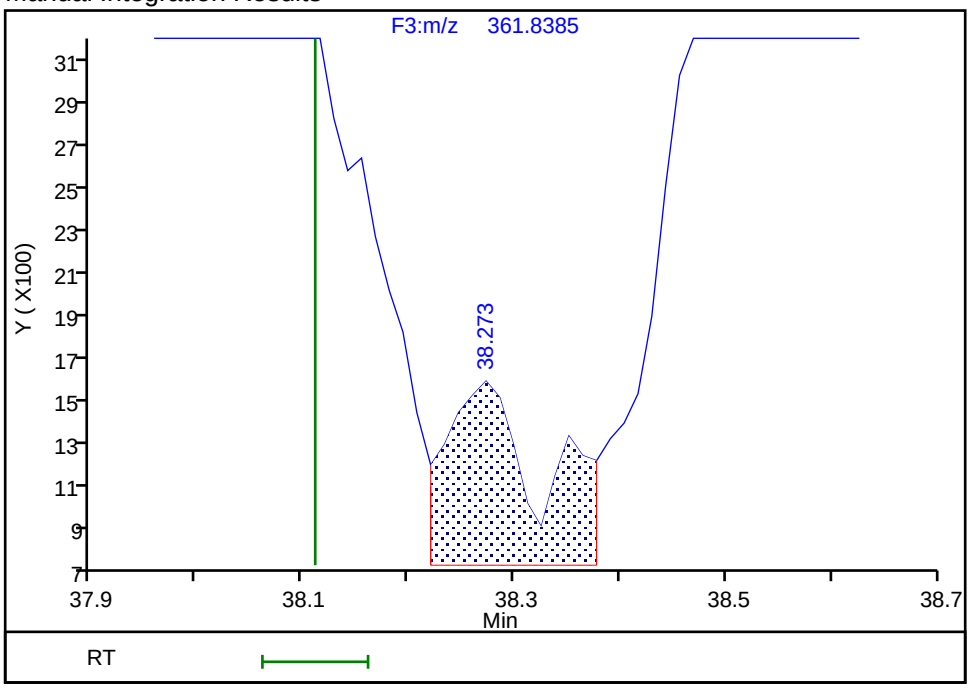
Processing Integration Results

Not Detected
Expected RT: 38.11




Manual Integration Results

RT: 38.27
Area: 5143
Amount: 0.389695
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:02:09
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

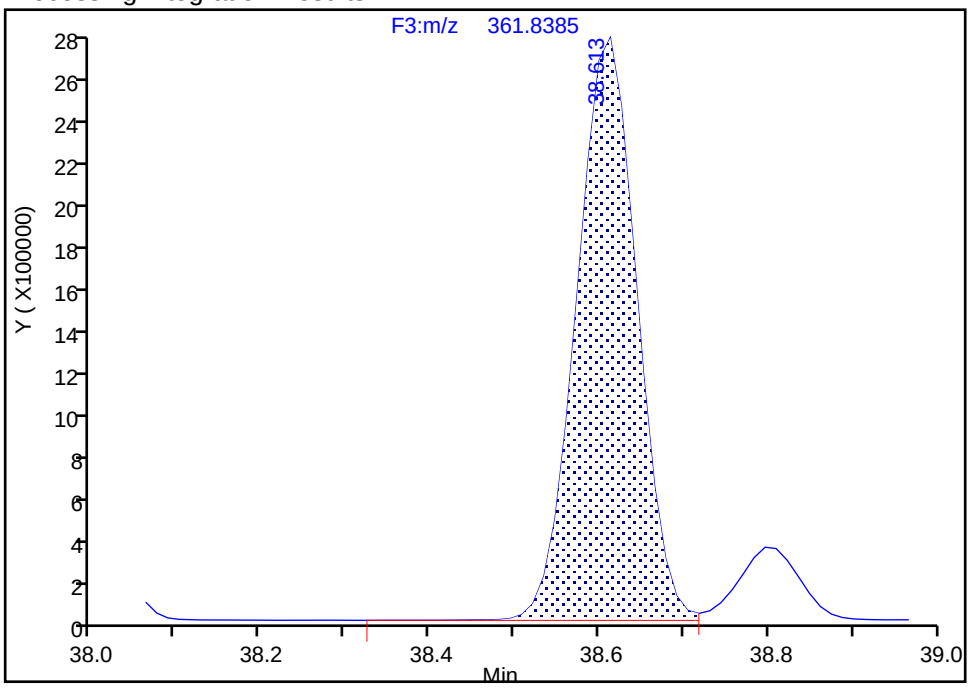
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-153/168, CAS: STL01822

Signal: 2

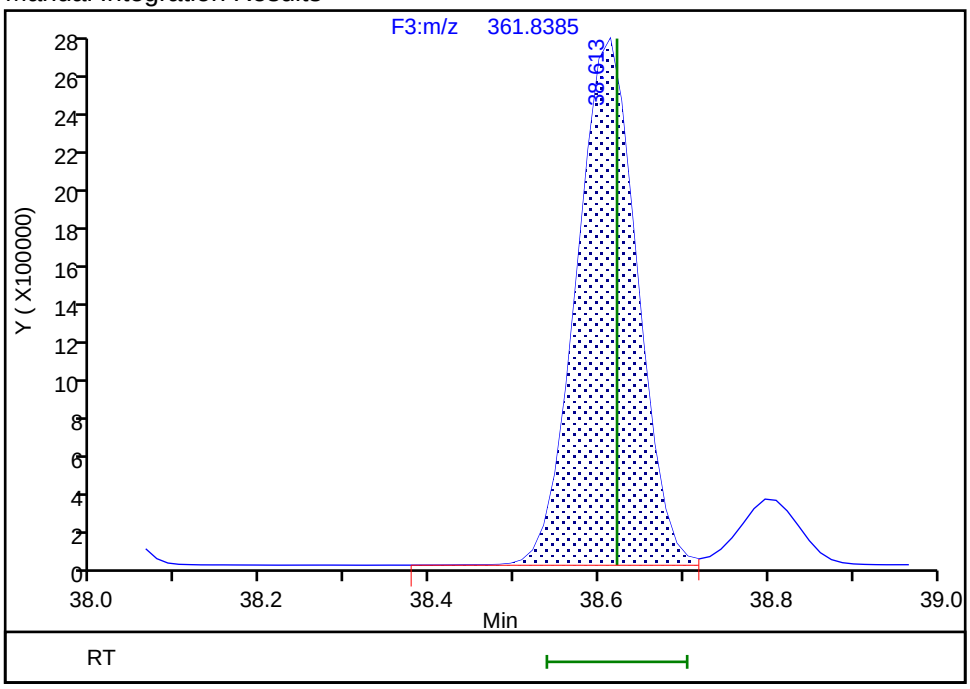
Processing Integration Results

RT: 38.61
Area: 13841726
Amount: 946.0462
Amount Units: pg/ul




Manual Integration Results

RT: 38.61
Area: 13839526
Amount: 945.9794
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:02:17

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

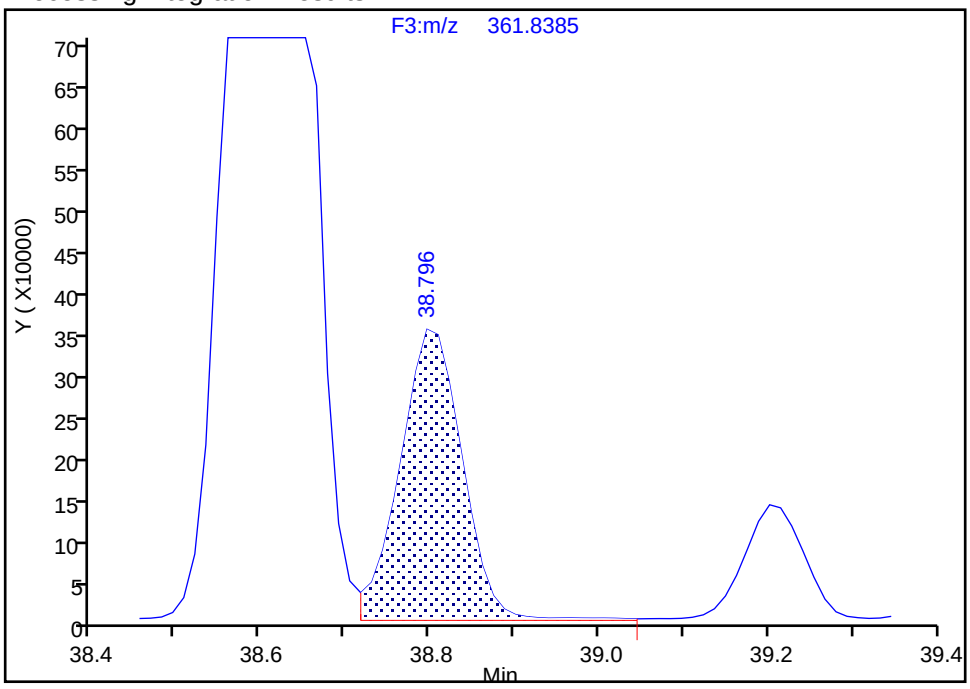
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-141, CAS: 52712-04-6

Signal: 2

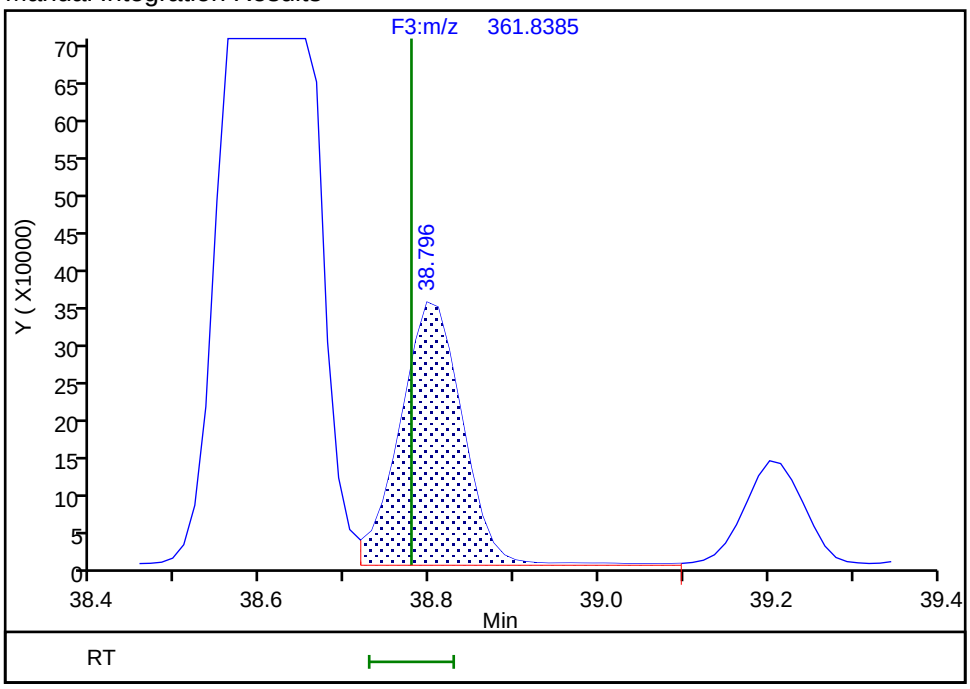
Processing Integration Results

RT: 38.80
Area: 1789682
Amount: 156.4427
Amount Units: pg/ul




Manual Integration Results

RT: 38.80
Area: 1795529
Amount: 156.6683
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:02:35

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

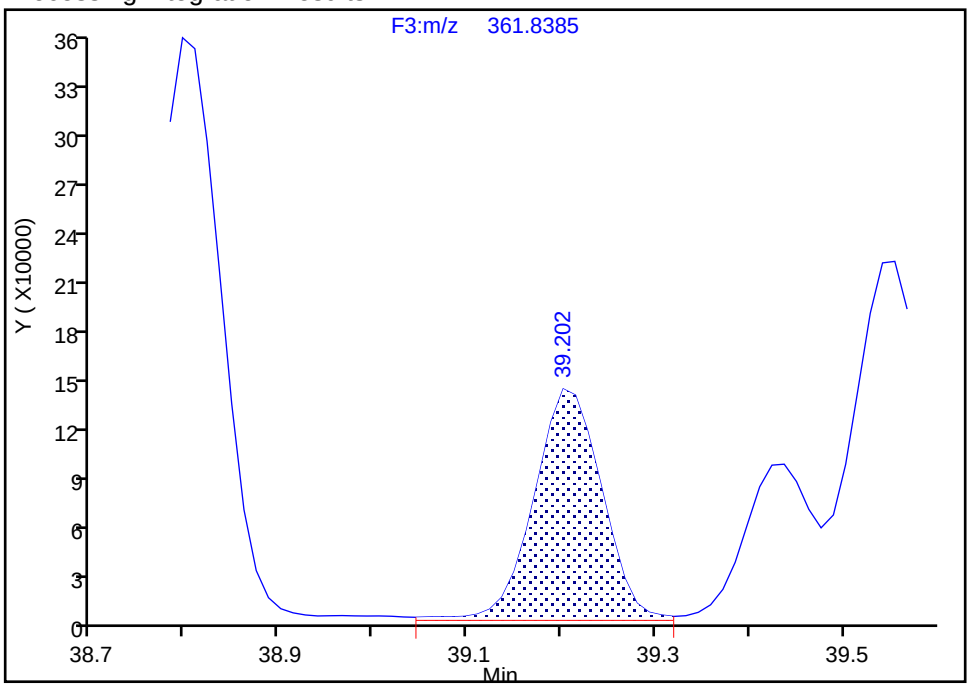
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-130, CAS: 52663-66-8

Signal: 2

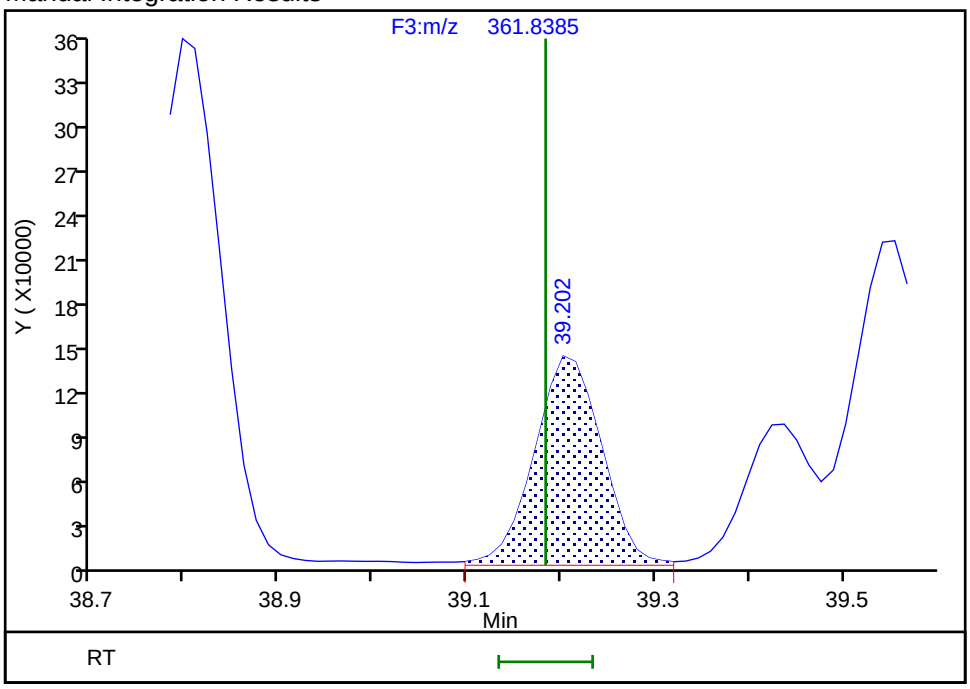
Processing Integration Results

RT: 39.20
Area: 699633
Amount: 70.339461
Amount Units: pg/ul




Manual Integration Results

RT: 39.20
Area: 692596
Amount: 70.024259
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:02:35

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

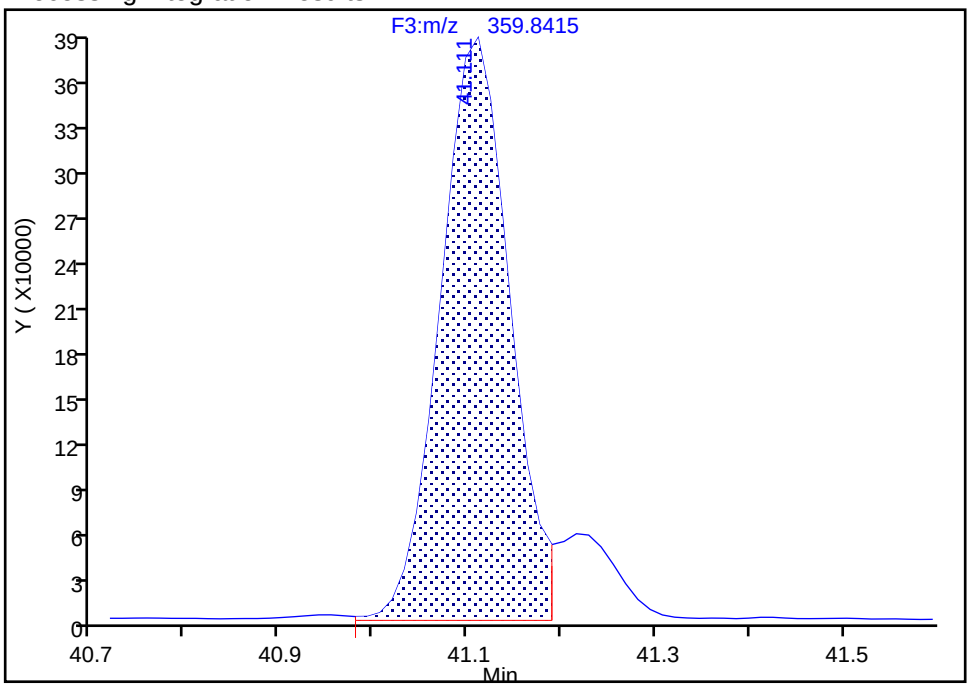
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

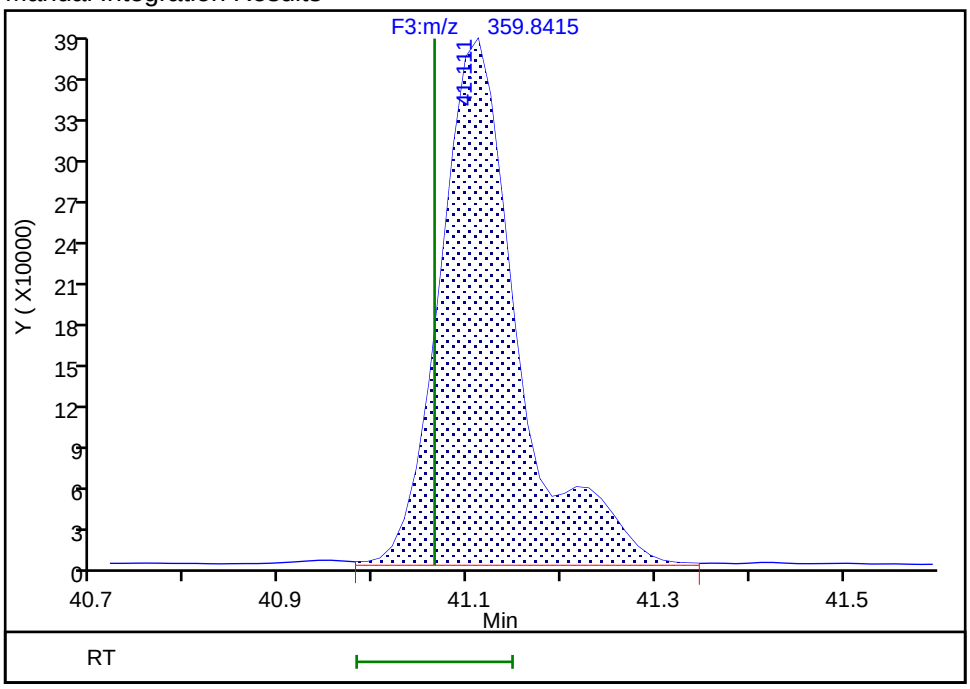
Processing Integration Results

RT: 41.11
Area: 1994994
Amount: 118.6001
Amount Units: pg/ul




Manual Integration Results

RT: 41.11
Area: 2256646
Amount: 133.9825
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:02:48

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

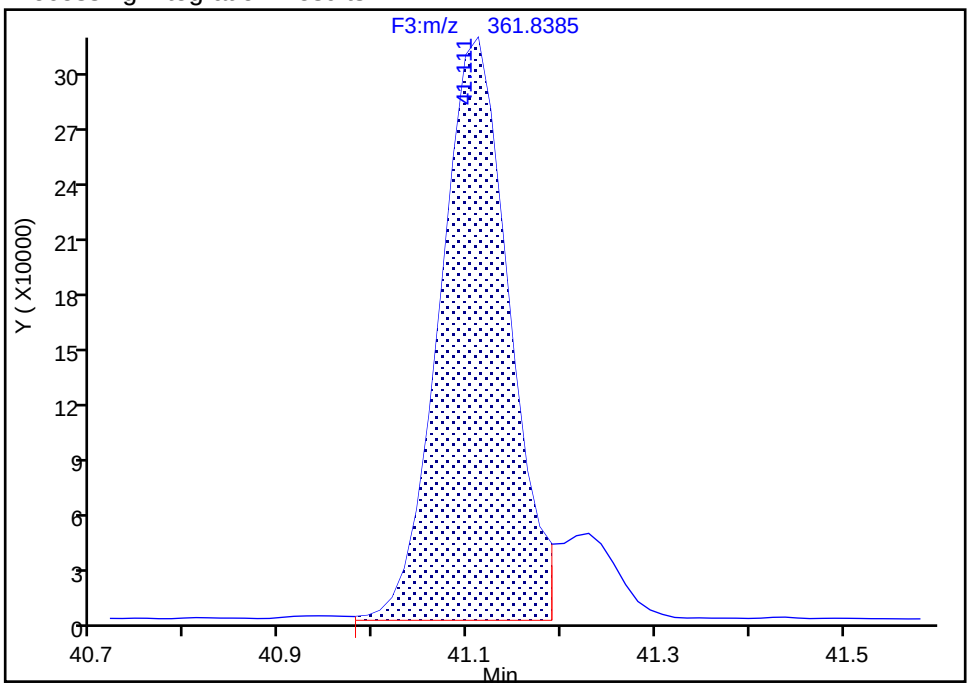
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

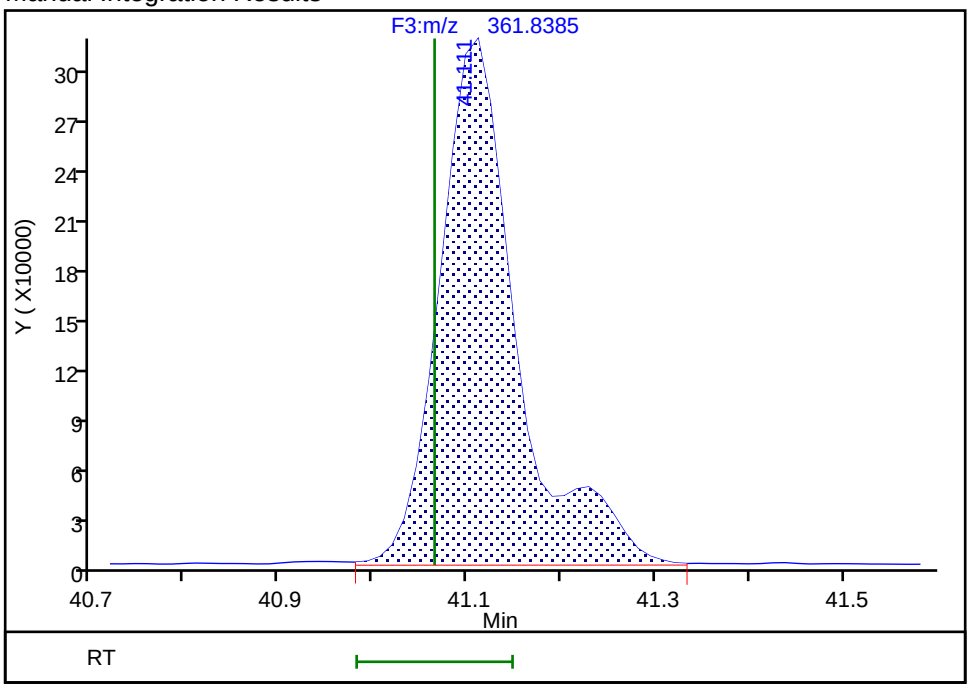
Processing Integration Results

RT: 41.11
Area: 1577718
Amount: 118.6001
Amount Units: pg/ul




Manual Integration Results

RT: 41.11
Area: 1779446
Amount: 133.9825
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:02:52

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

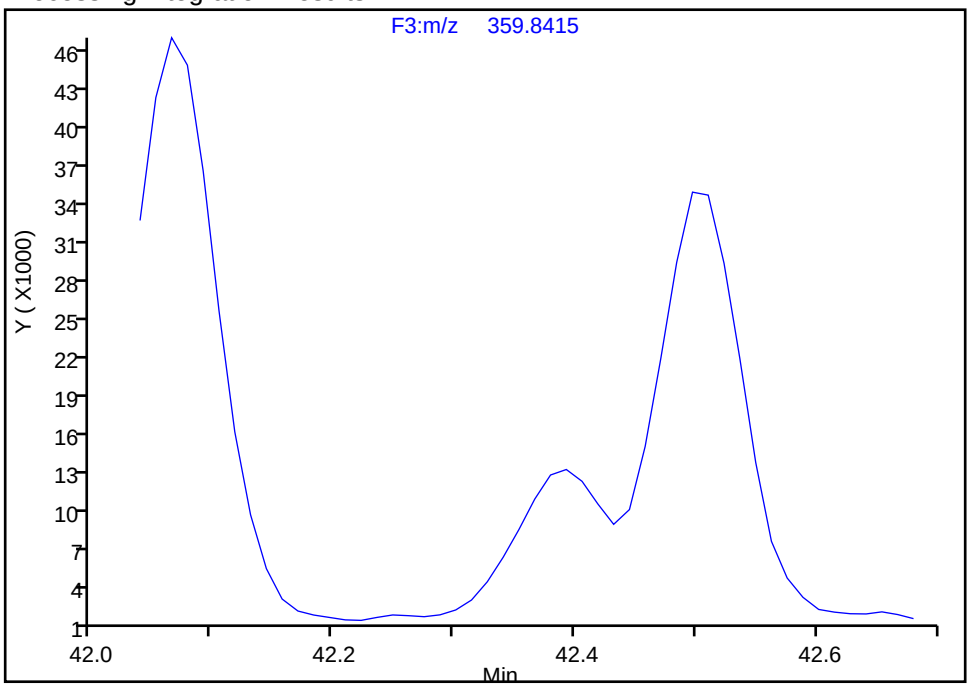
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

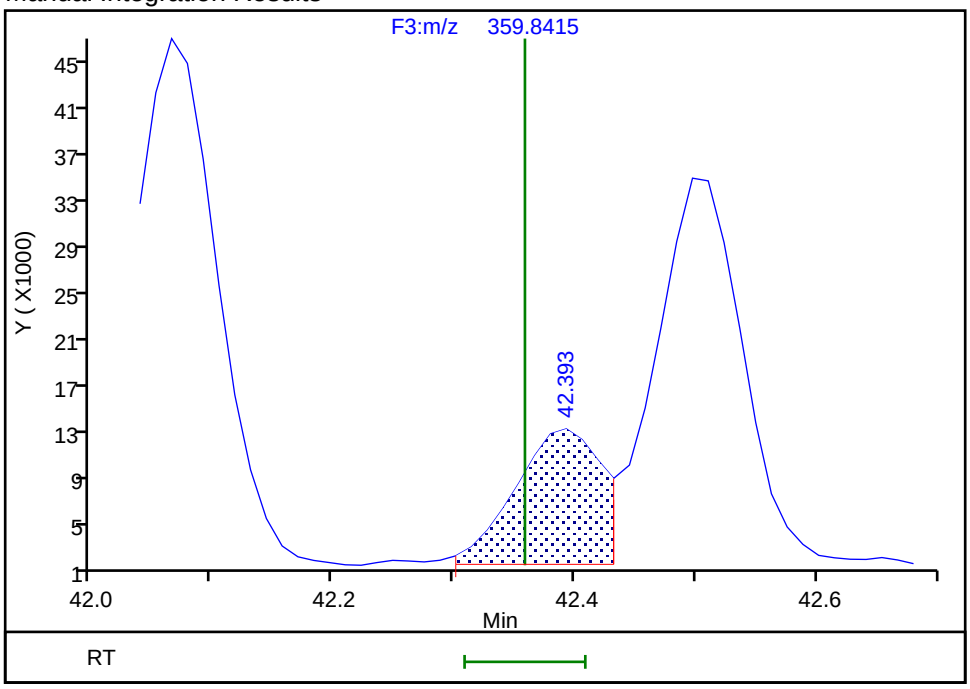
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.39
Area: 55912
Amount: 2.617114
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:03:15
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

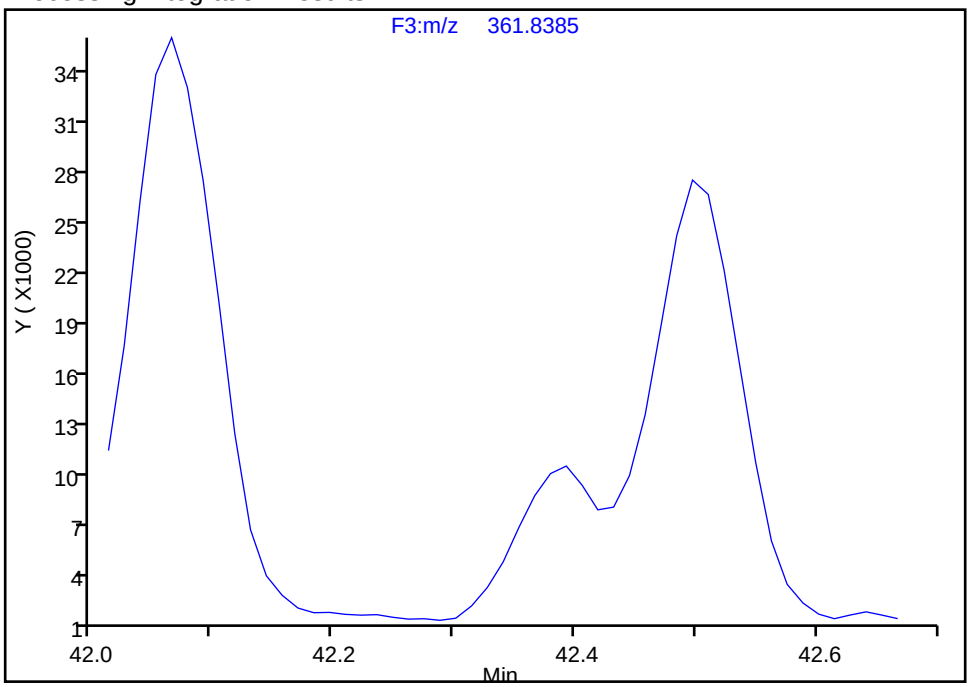
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

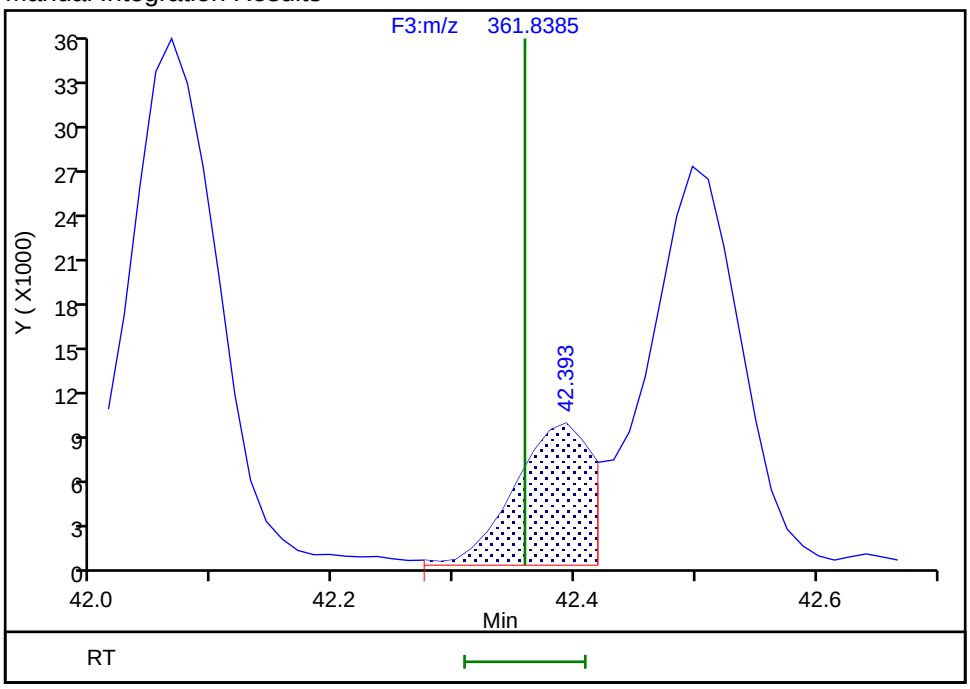
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.39
Area: 40282
Amount: 2.617114
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:03:20
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

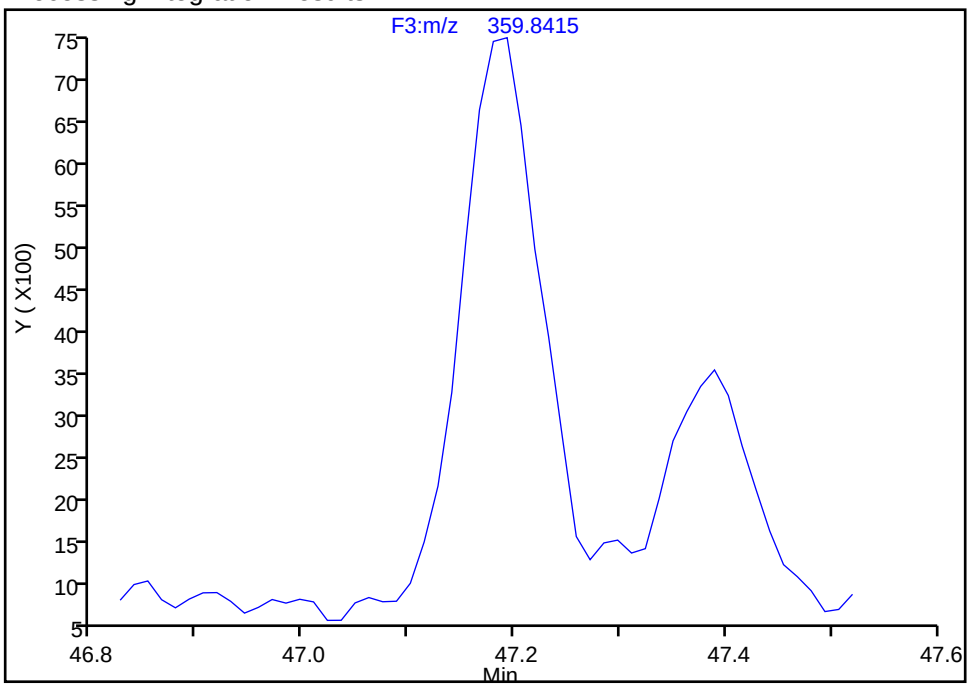
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 1

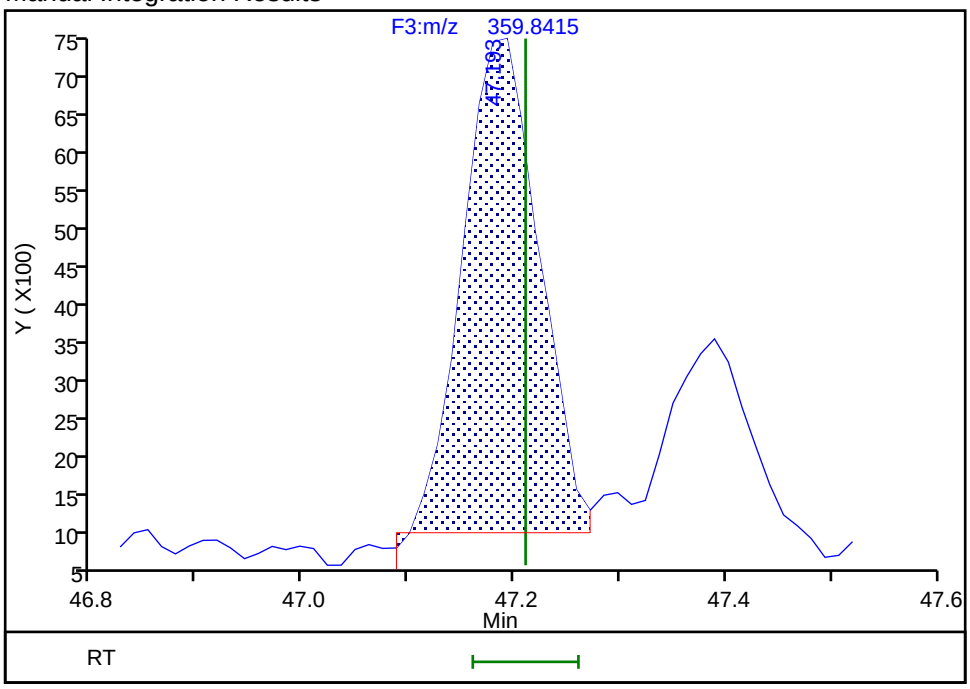
Not Detected
Expected RT: 47.21

Processing Integration Results




Manual Integration Results

RT: 47.19
Area: 31977
Amount: 1.713348
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:03:33
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

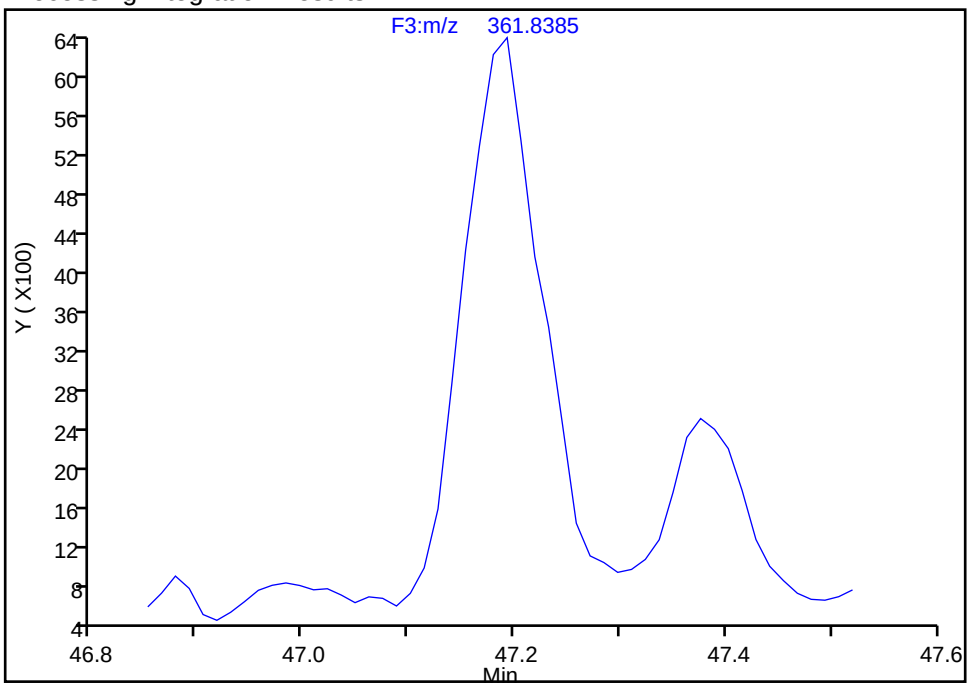
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 2

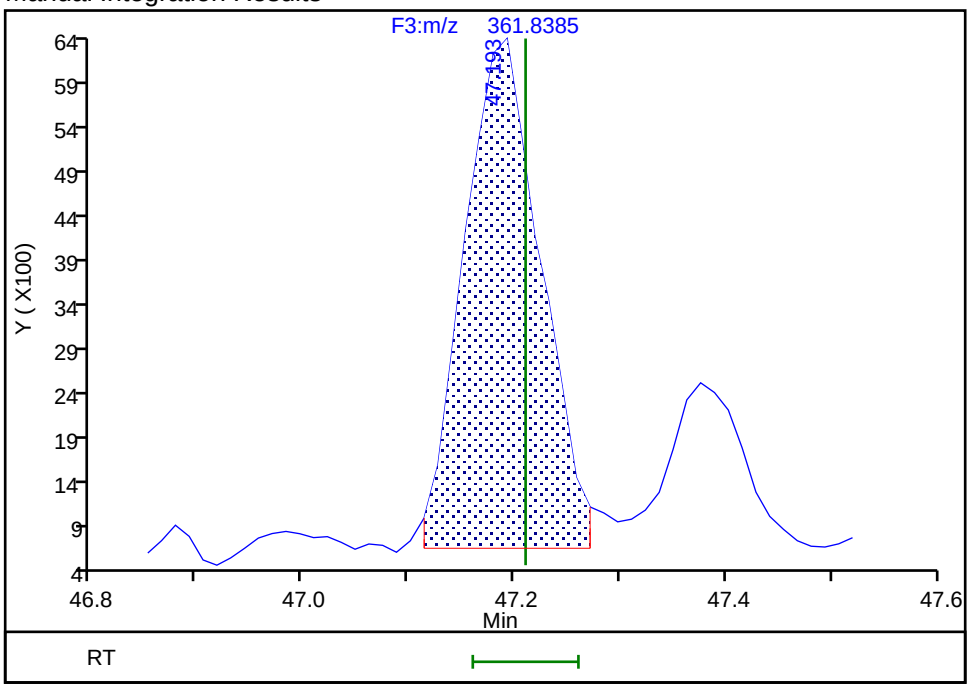
Not Detected
Expected RT: 47.21

Processing Integration Results




Manual Integration Results

RT: 47.19
Area: 28877
Amount: 1.713348
Amount Units: pg/ul

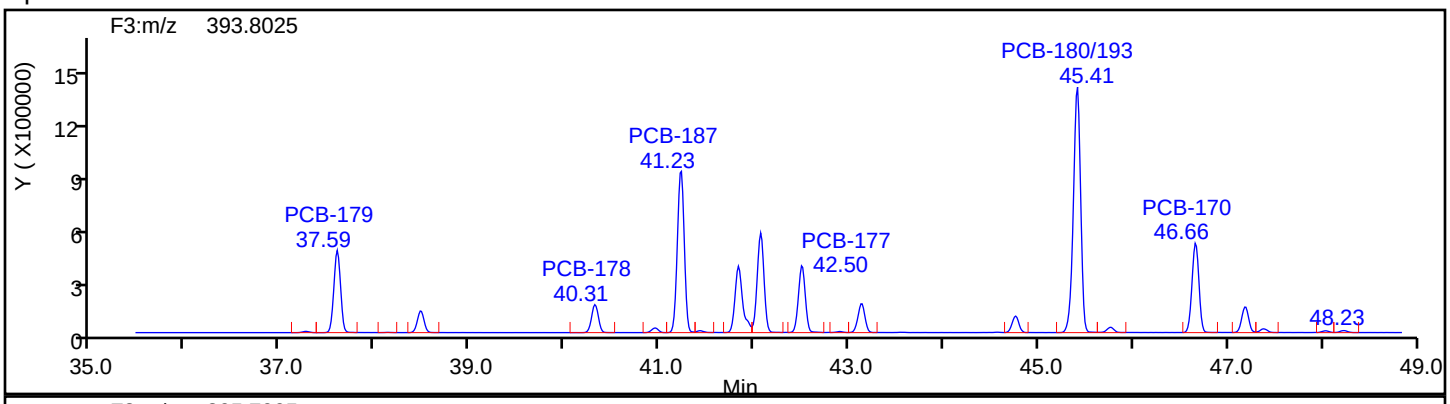


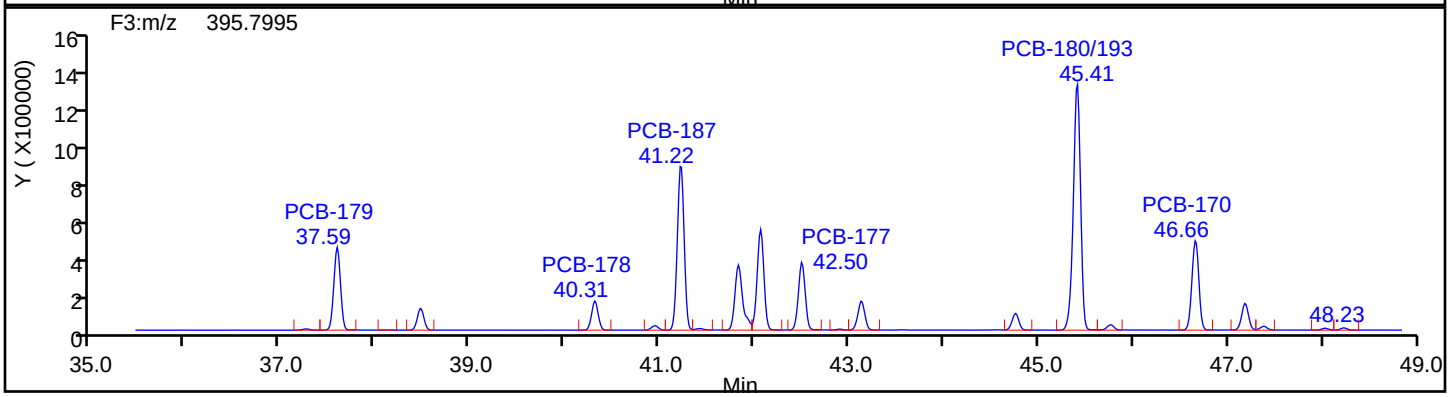

Reviewer: nordquistj, 03-Oct-2019 17:03:40
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

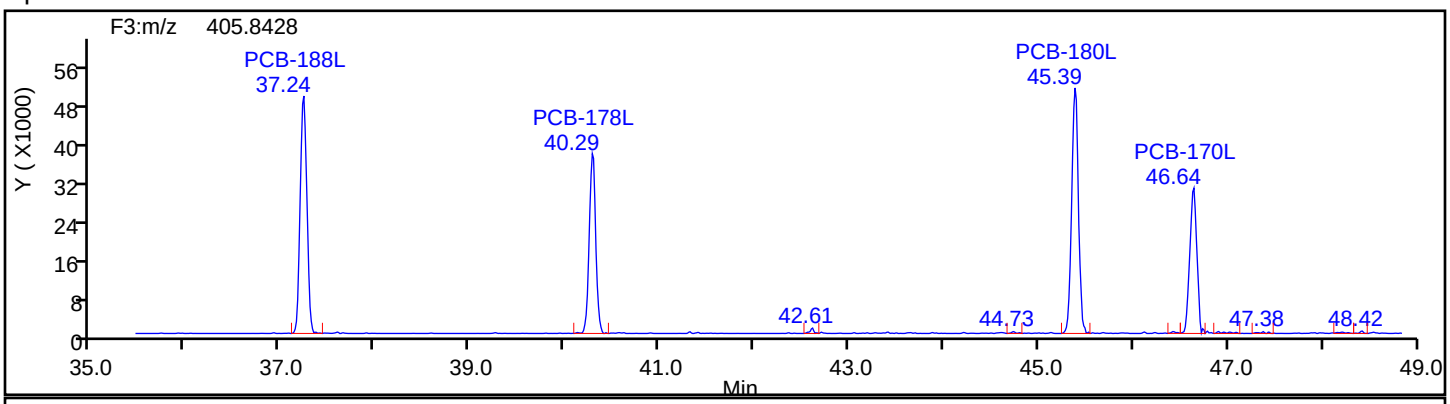
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

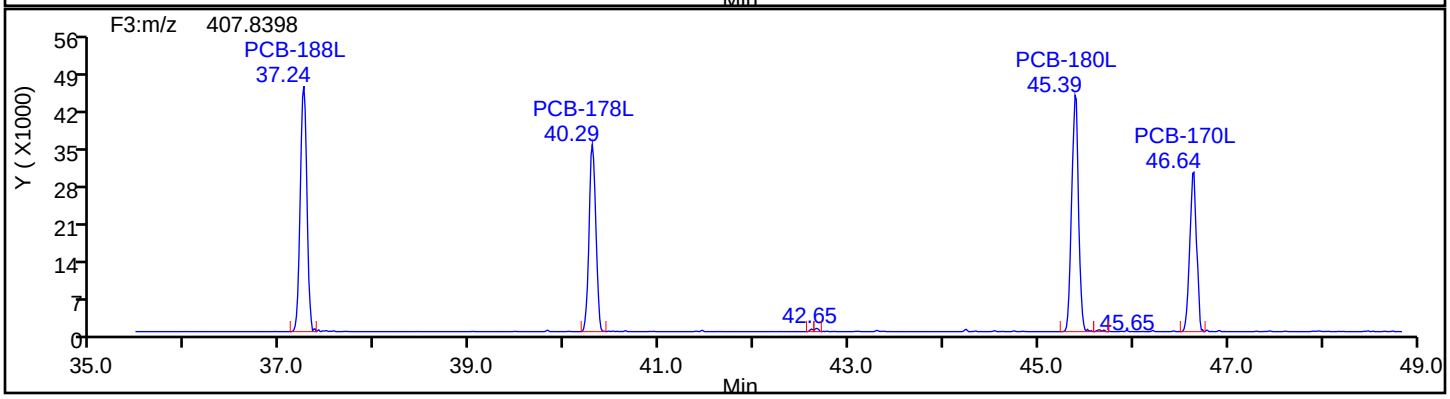
HpPCB F3




HpPCB F3 Standards

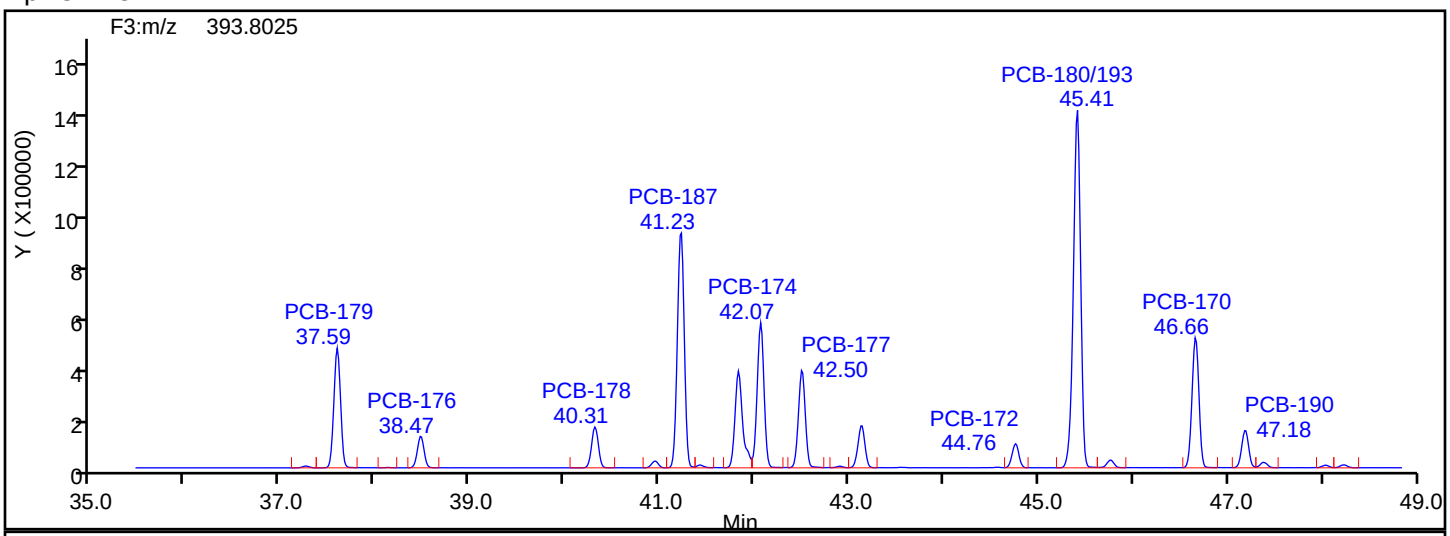


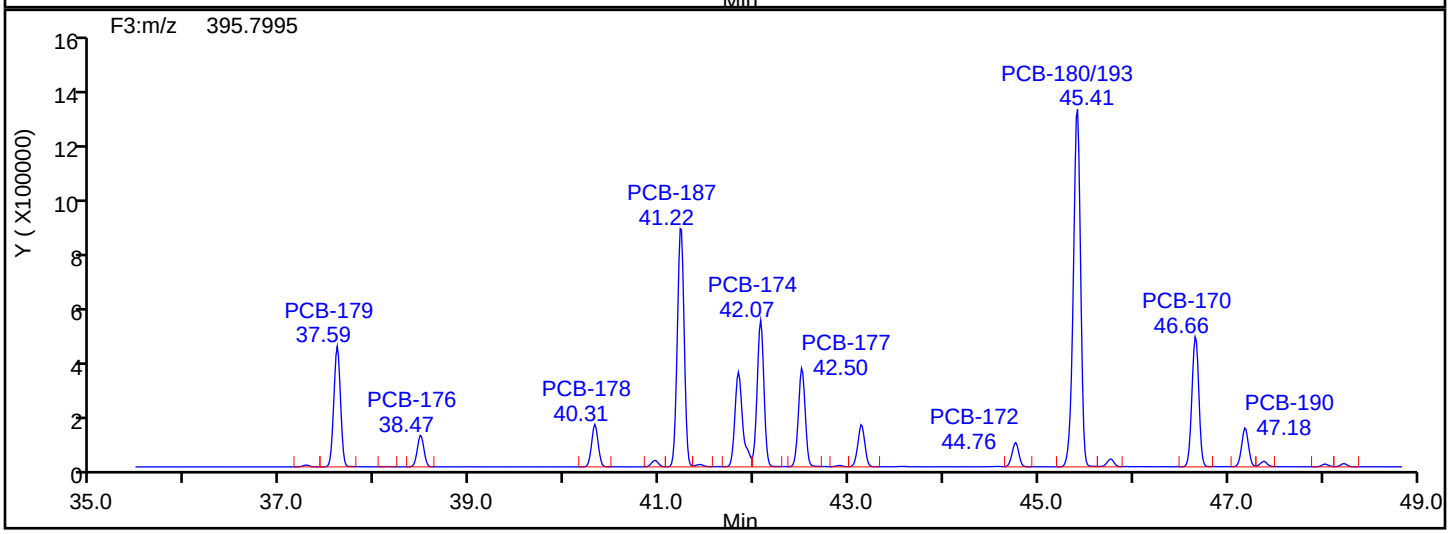



Eurofins TestAmerica, Knoxville

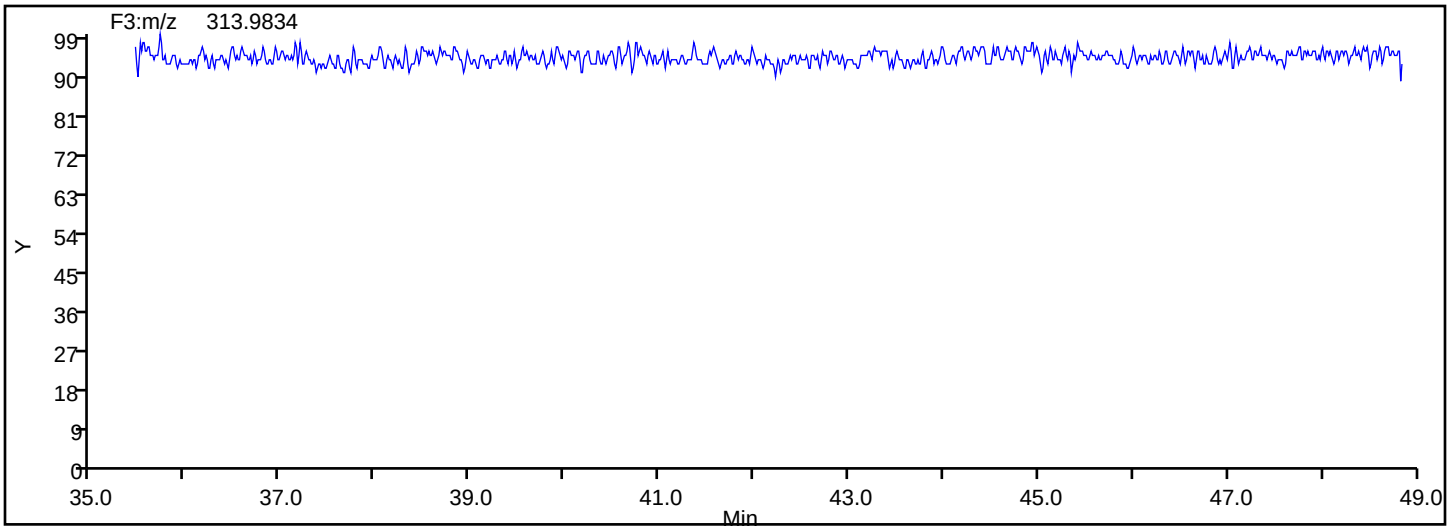
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

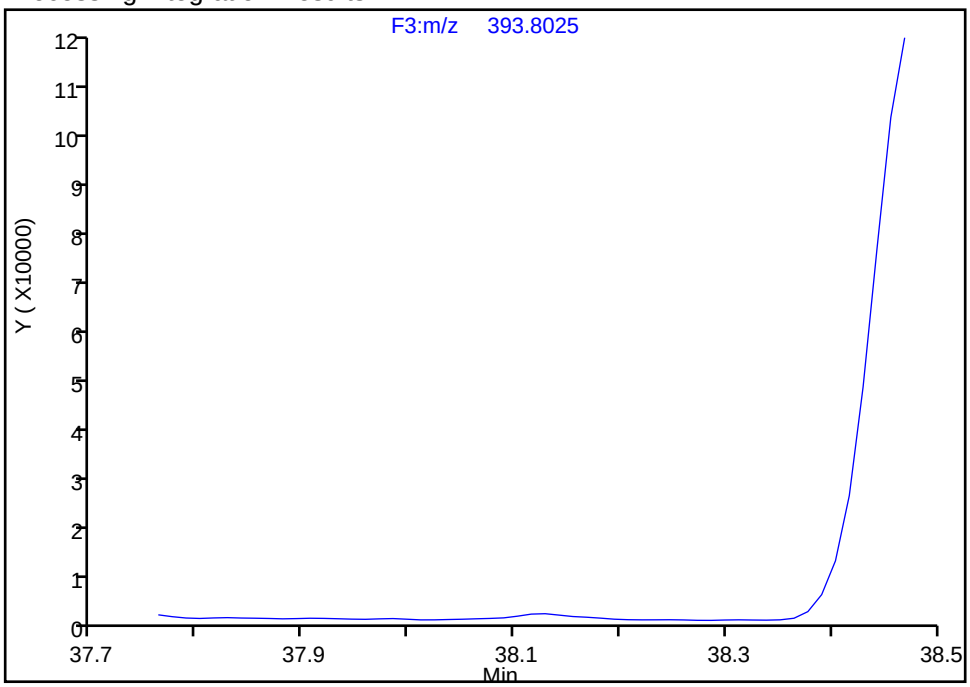
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-184, CAS: 74472-48-3

Signal: 1

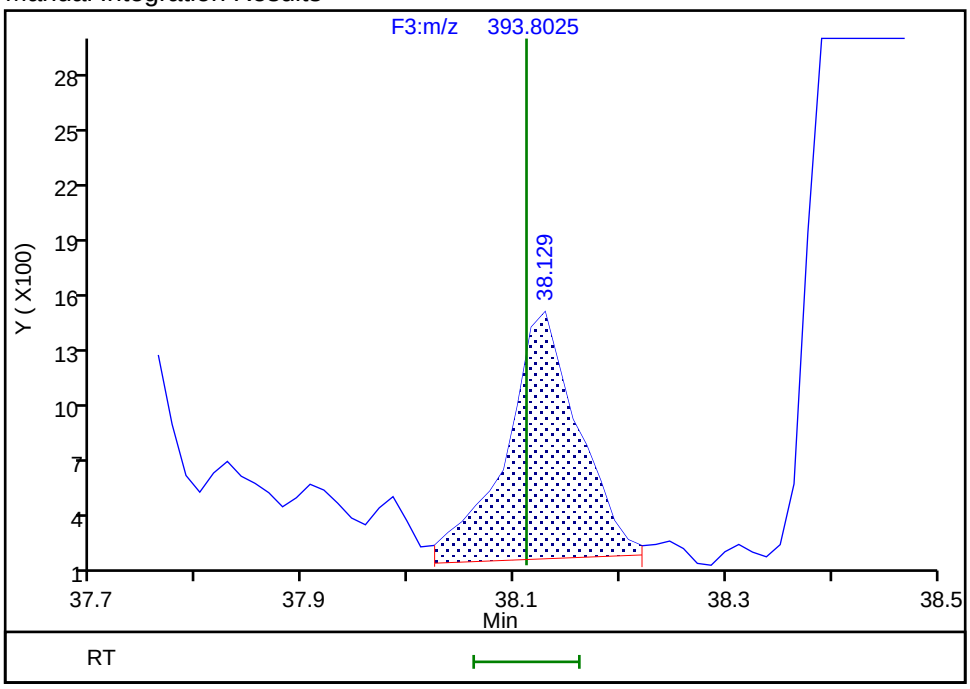
Not Detected
Expected RT: 38.11

Processing Integration Results




Manual Integration Results

RT: 38.13
Area: 6301
Amount: 0.418924
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 17:04:07
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

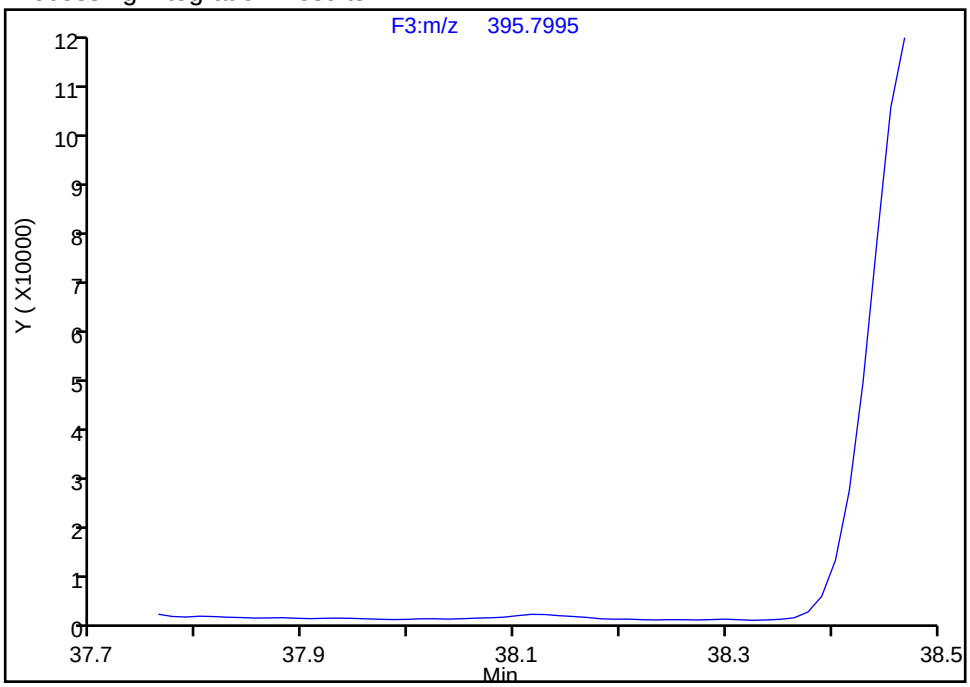
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-C | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-184, CAS: 74472-48-3

Signal: 2

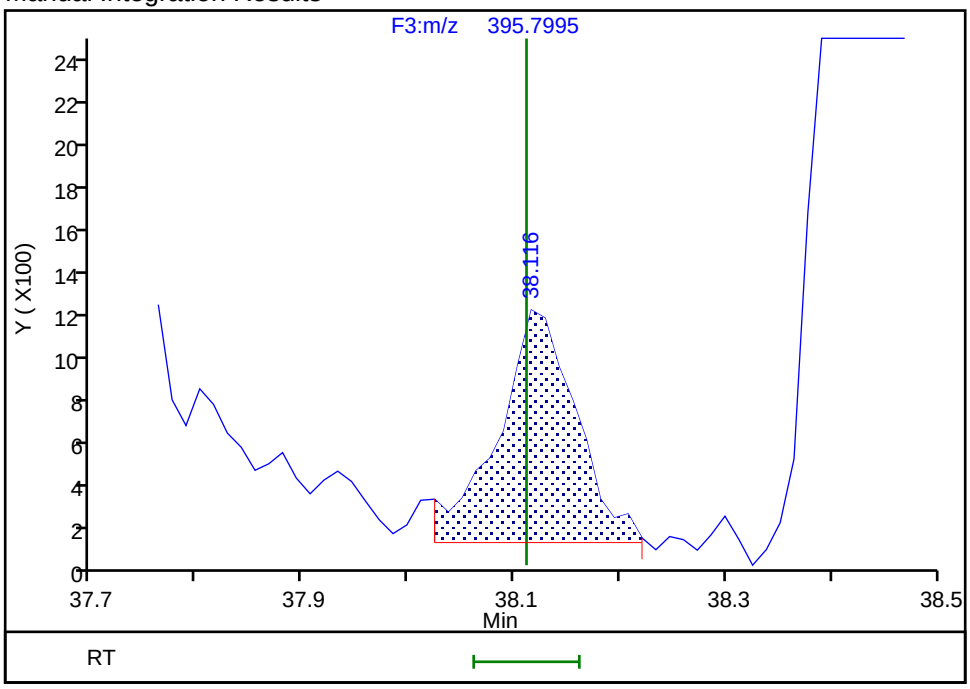
Not Detected
Expected RT: 38.11

Processing Integration Results




Manual Integration Results

RT: 38.12
Area: 5322
Amount: 0.418924
Amount Units: pg/ul

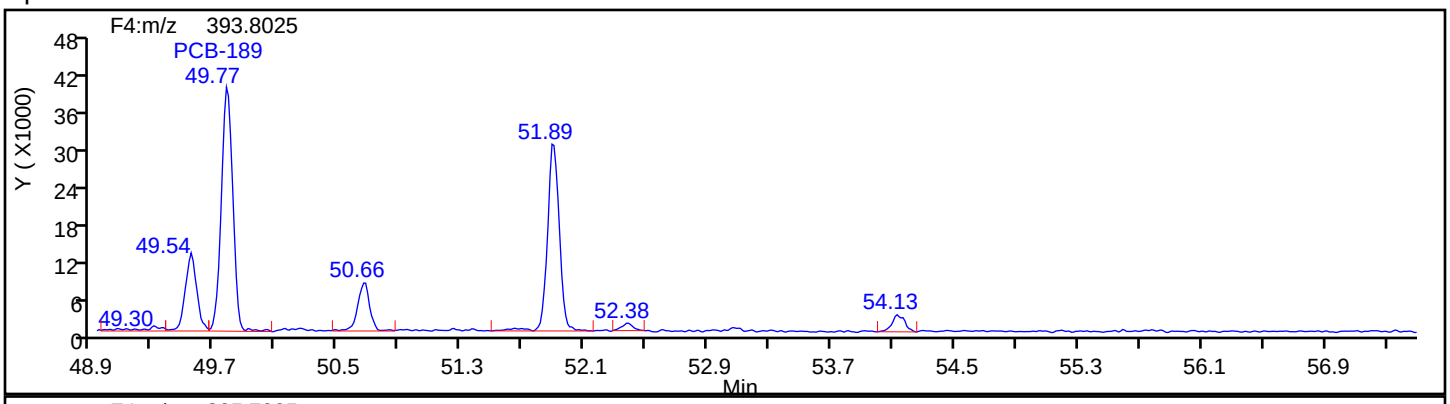


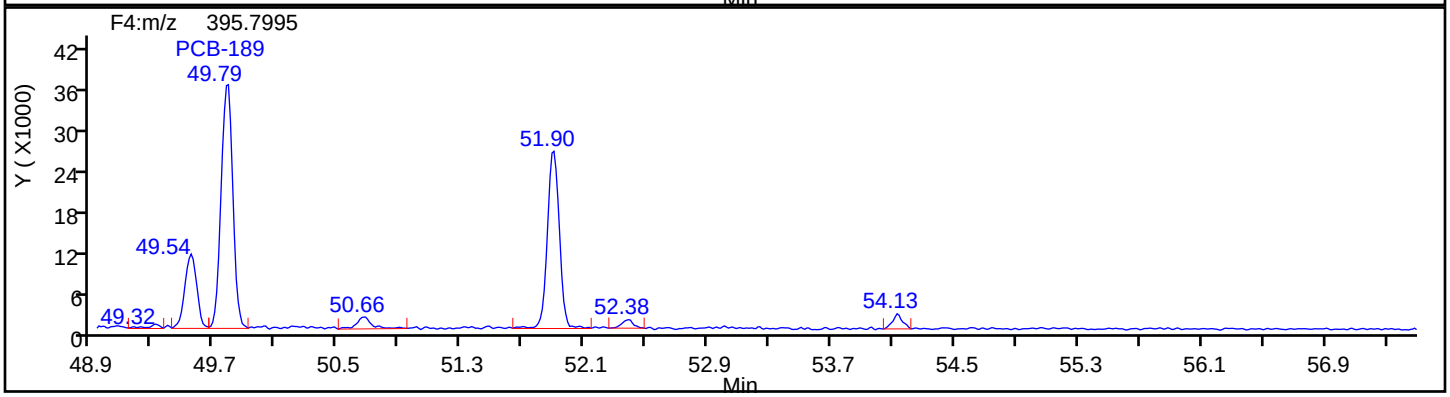

Reviewer: nordquistj, 03-Oct-2019 17:04:11
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

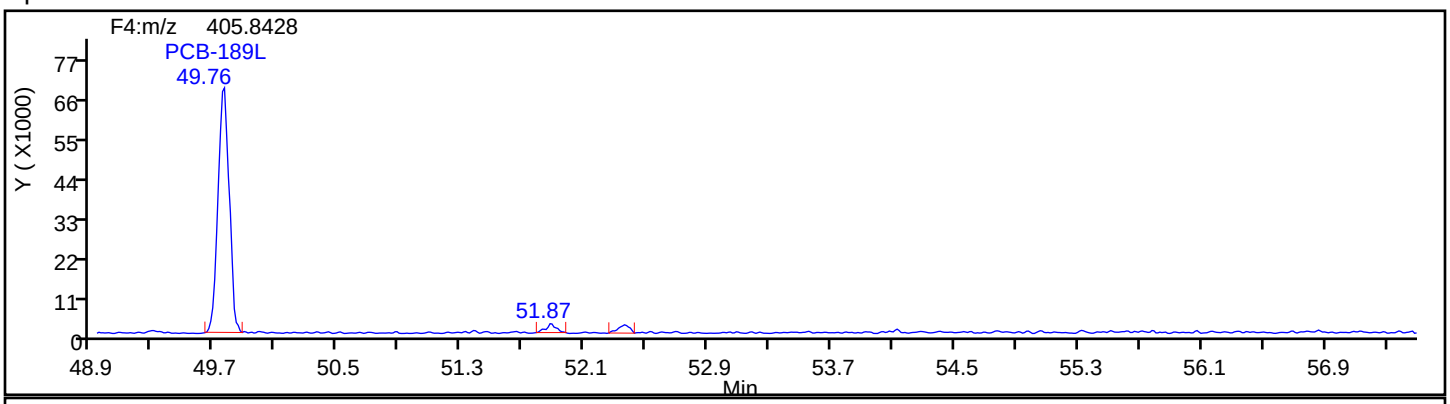
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

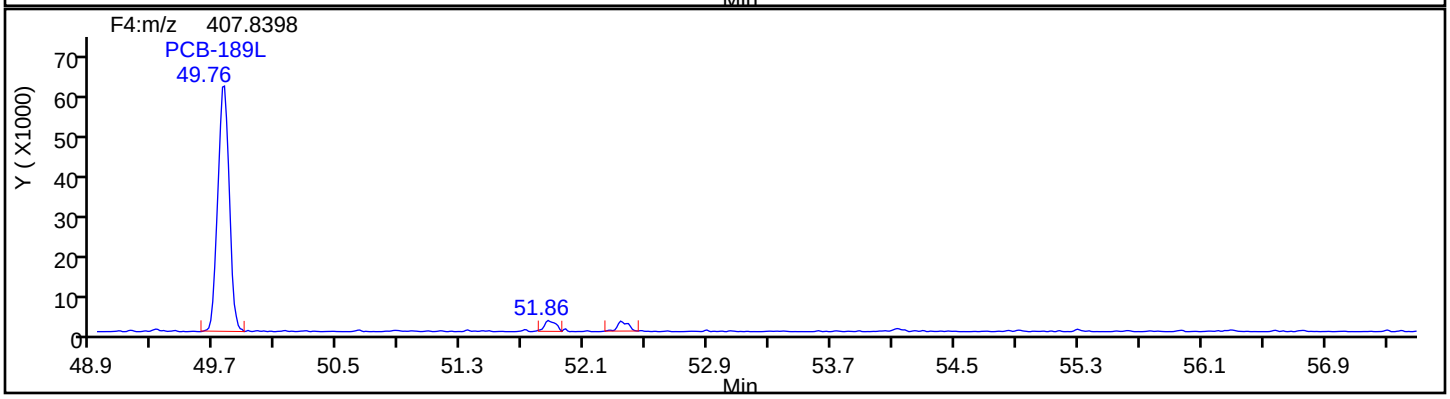
HpPCB F4




HpPCB F4 Standards

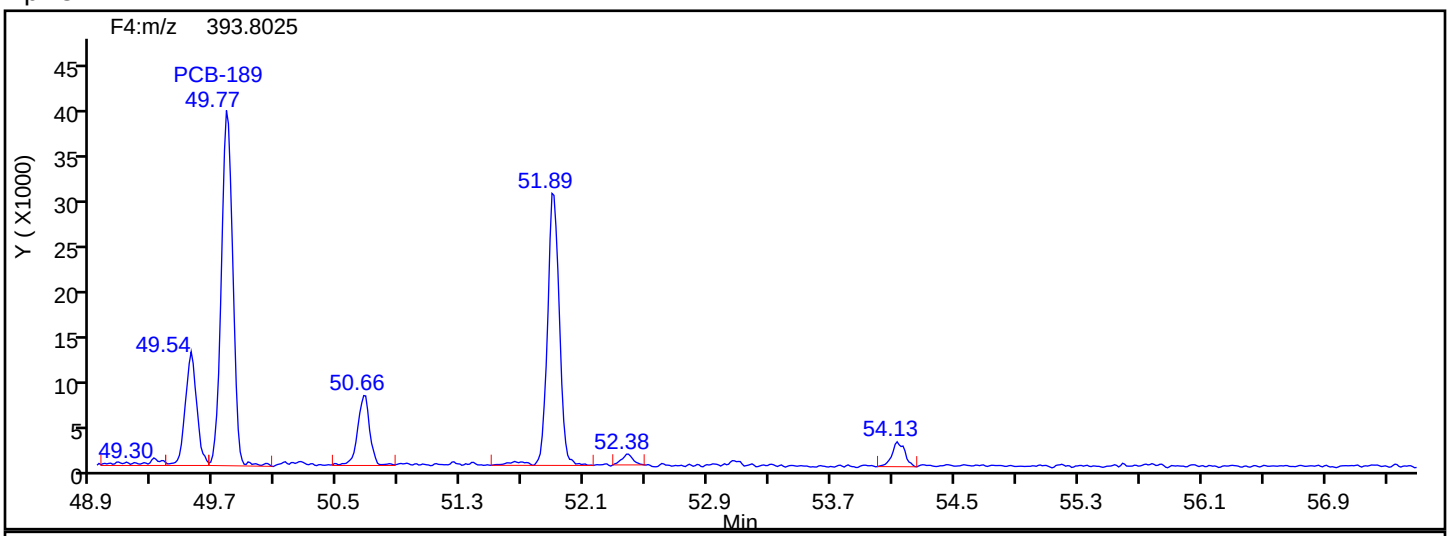


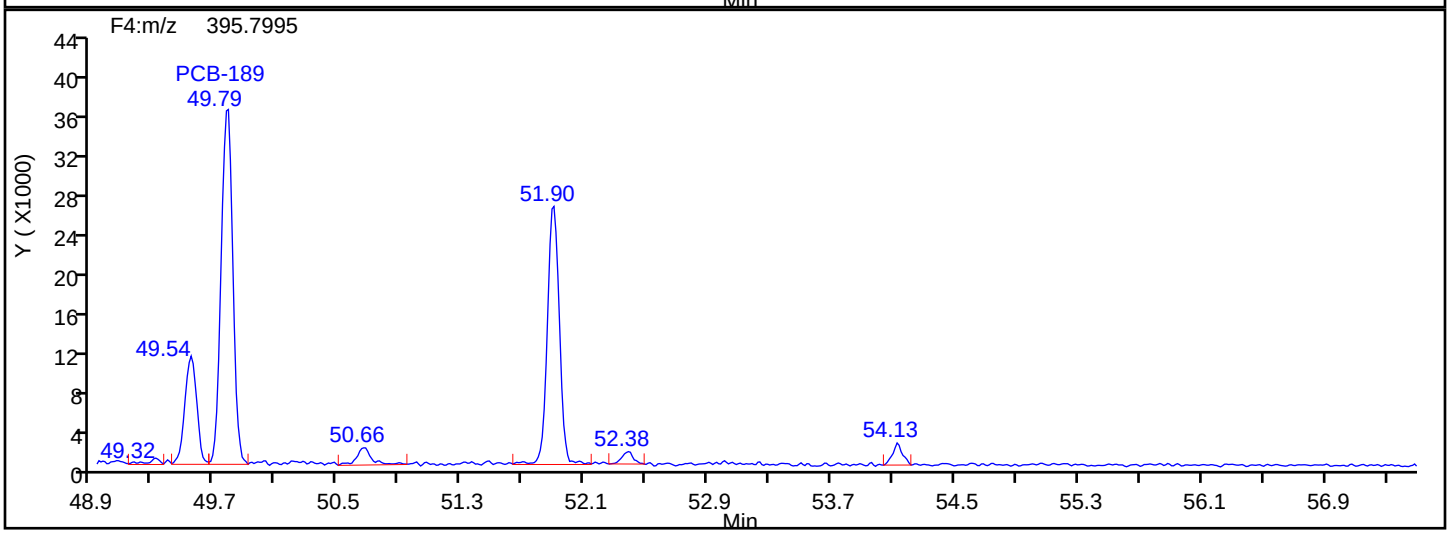



Eurofins TestAmerica, Knoxville

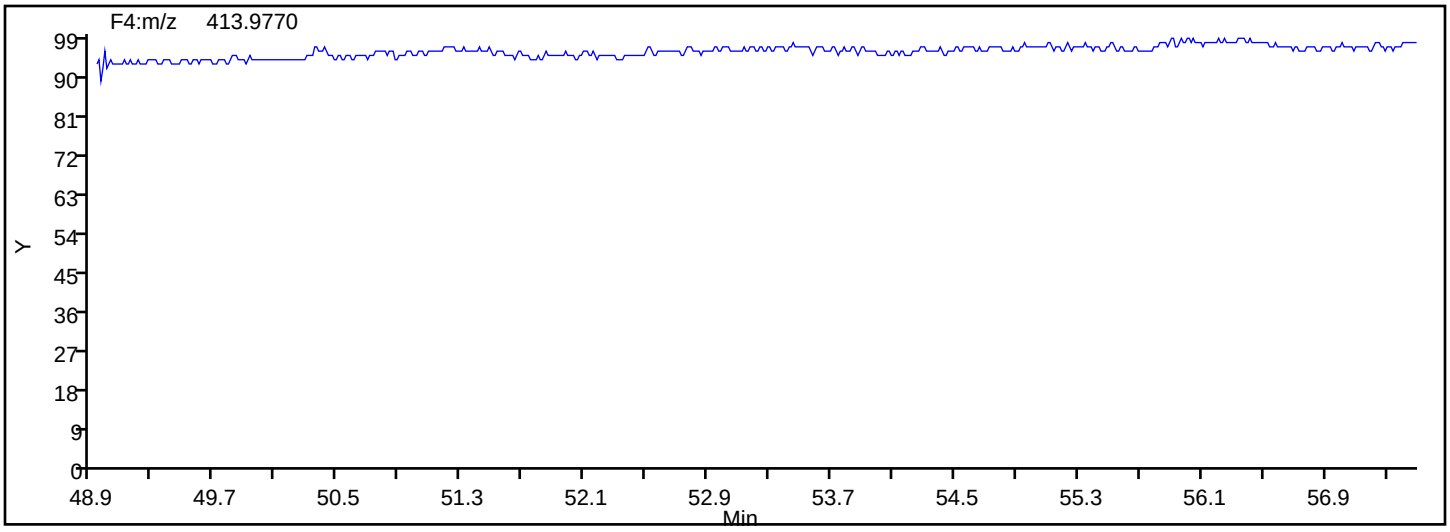
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



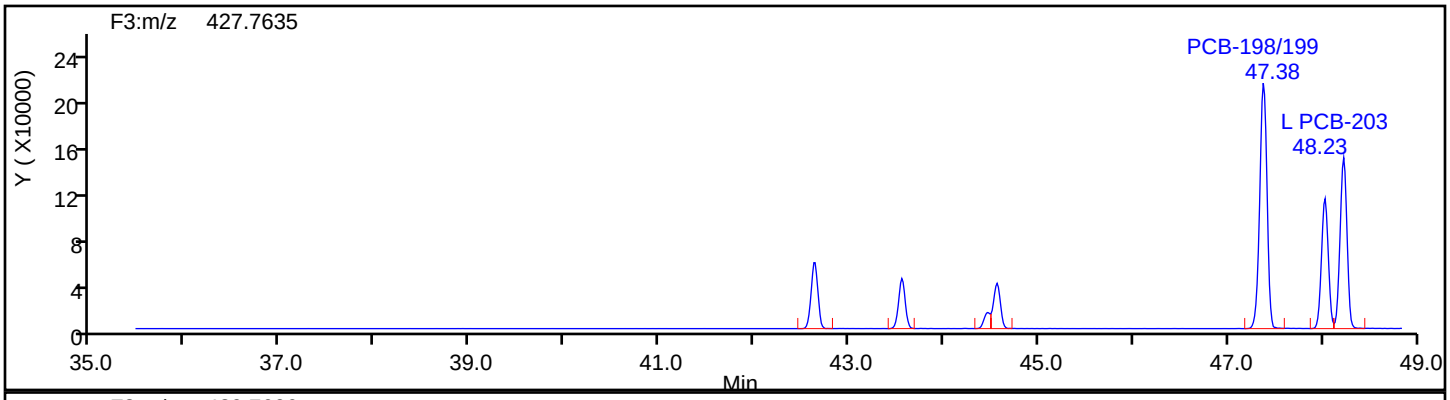

HpPCB F4 Lock Mass

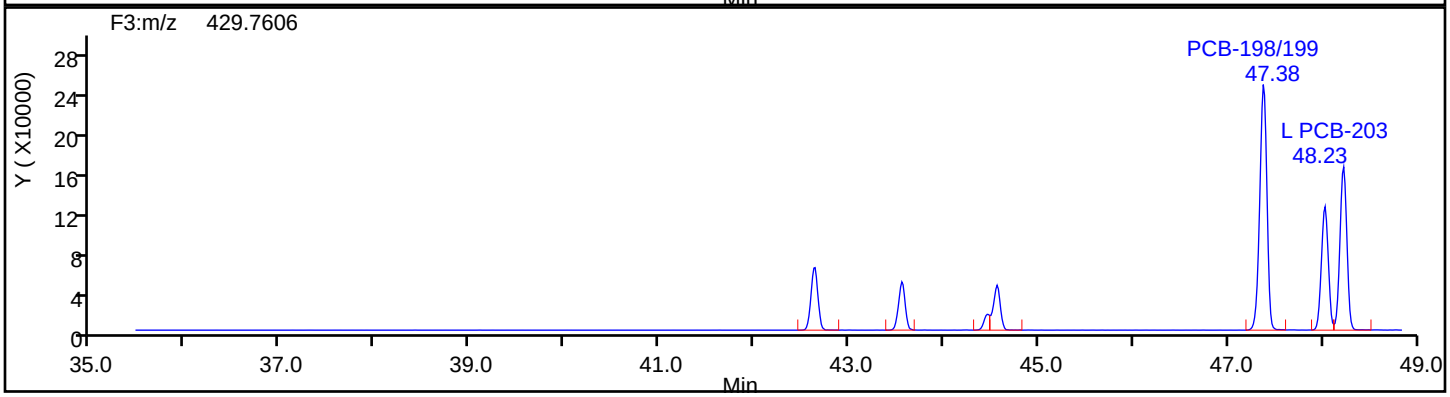


Eurofins TestAmerica, Knoxville

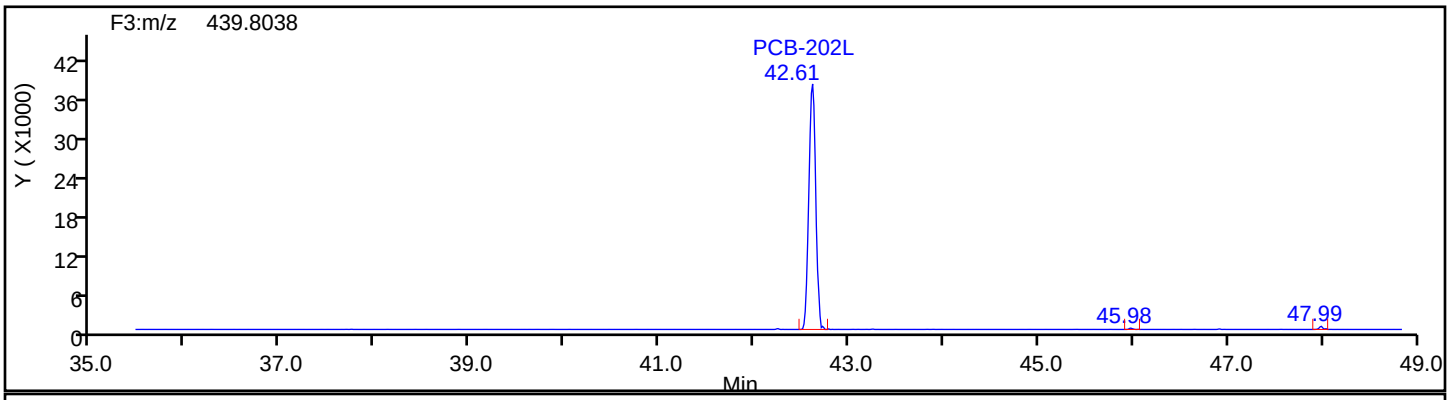
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

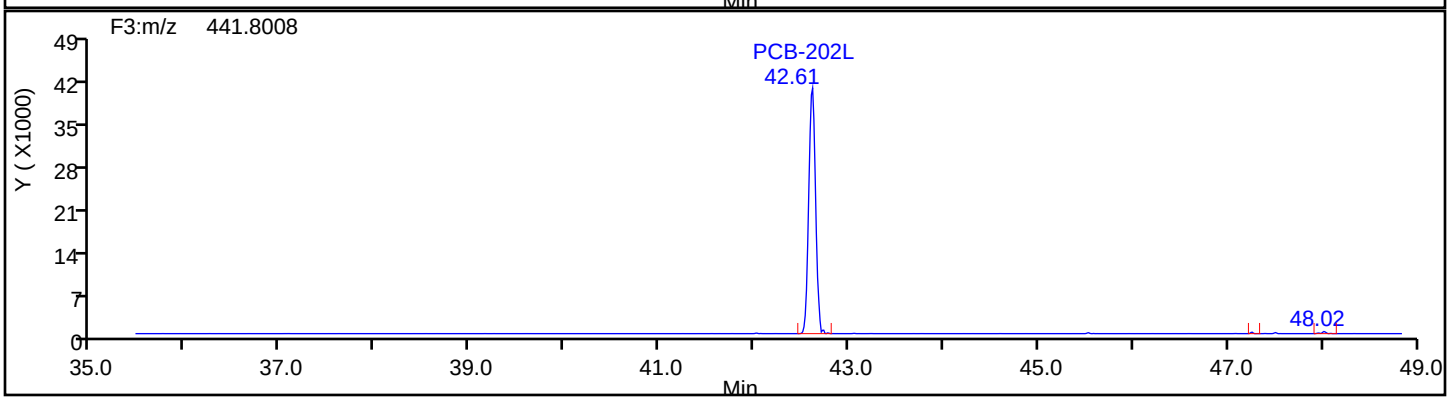
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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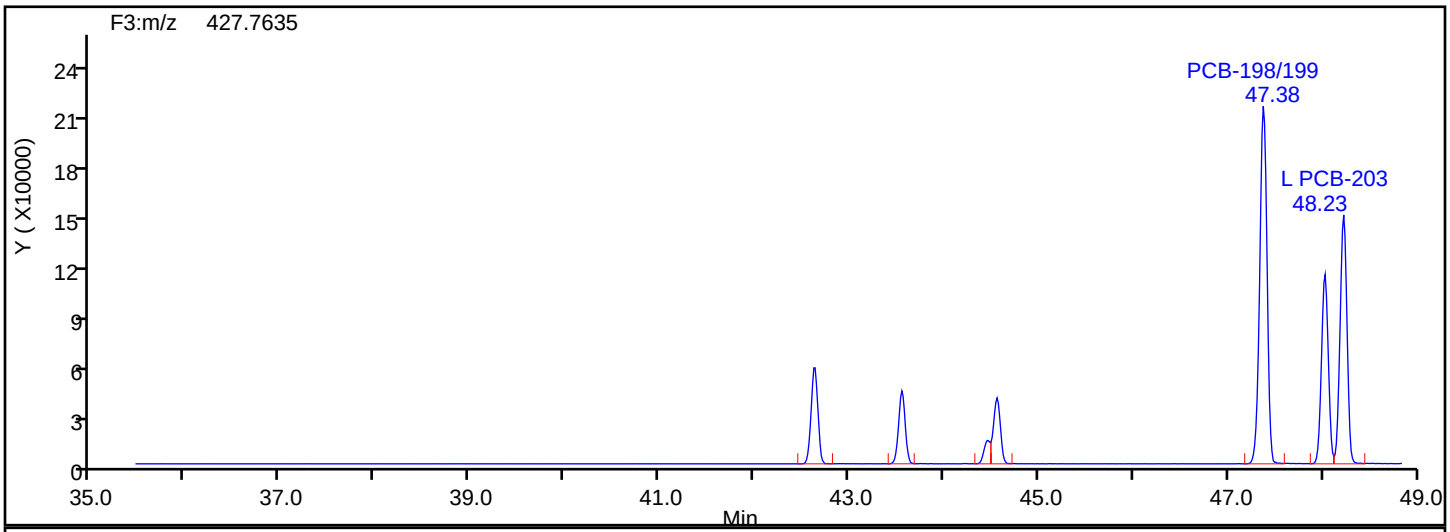
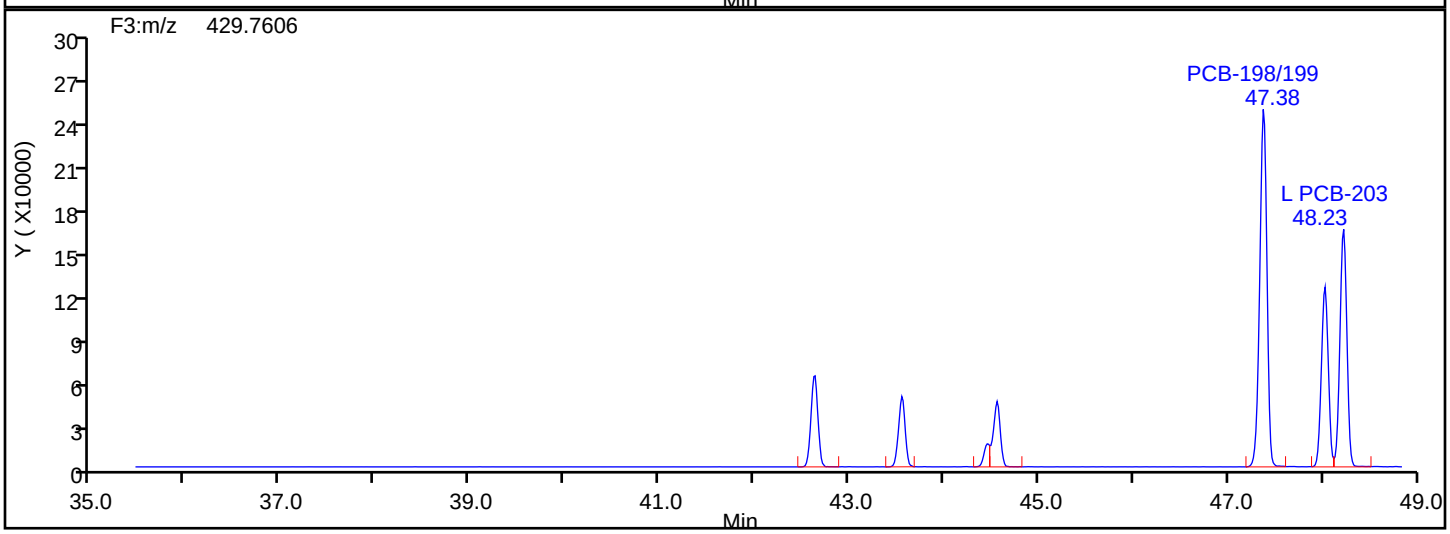
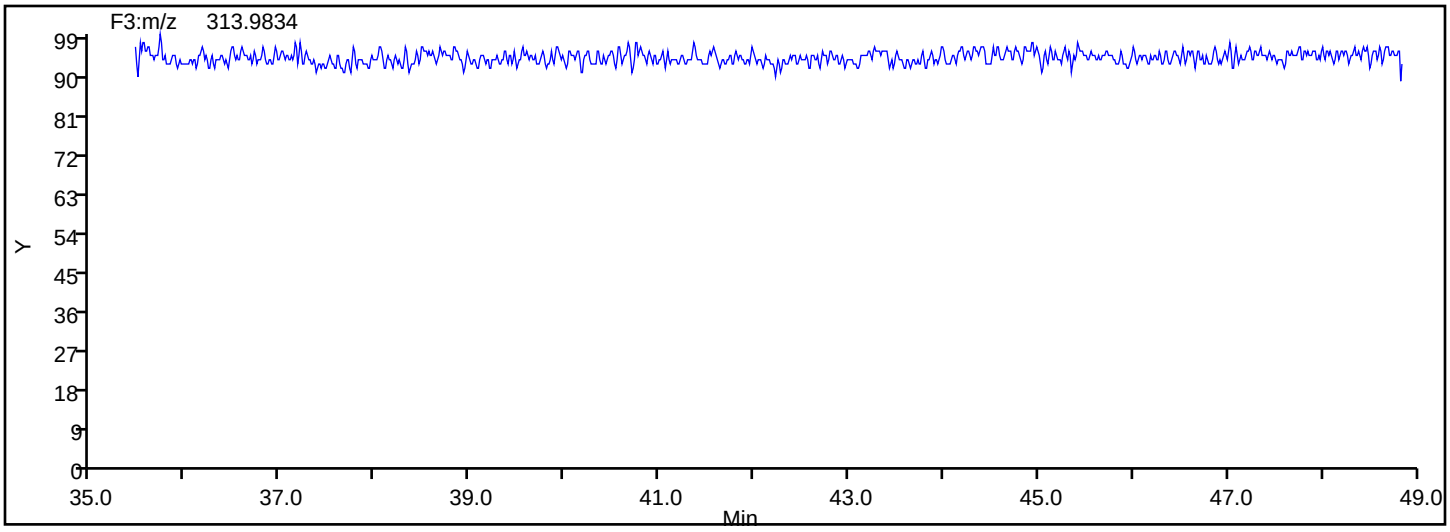
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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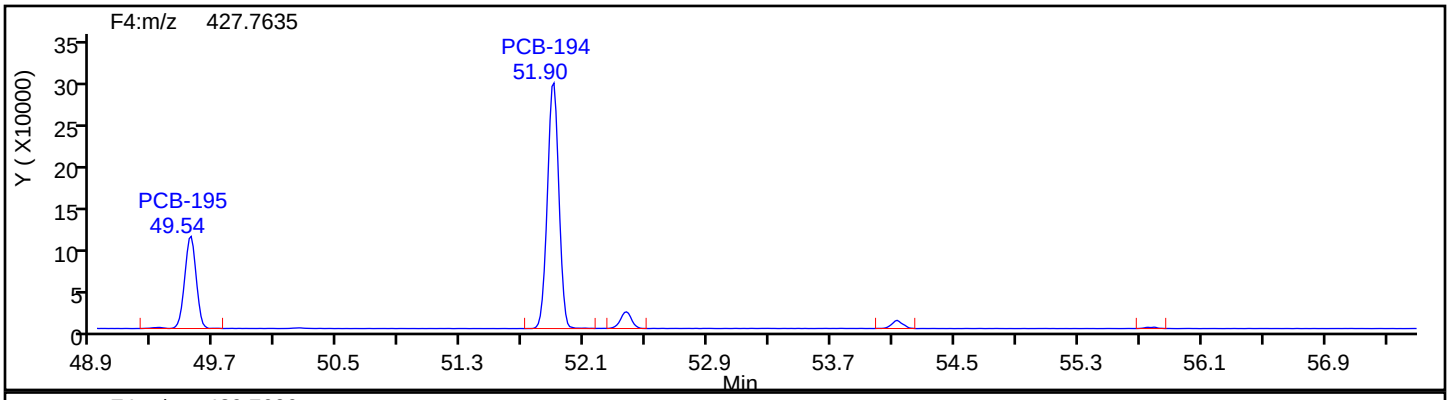
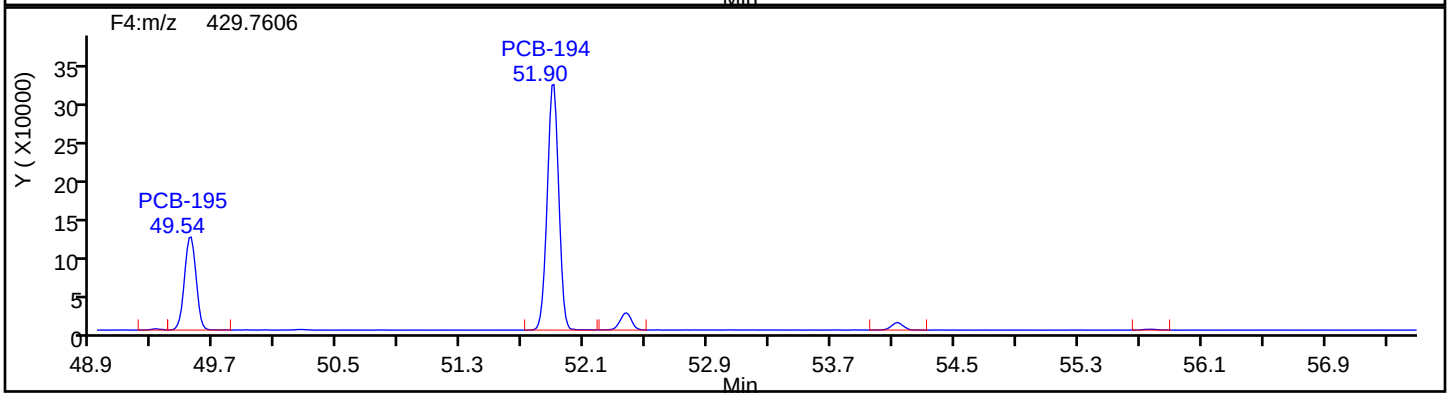
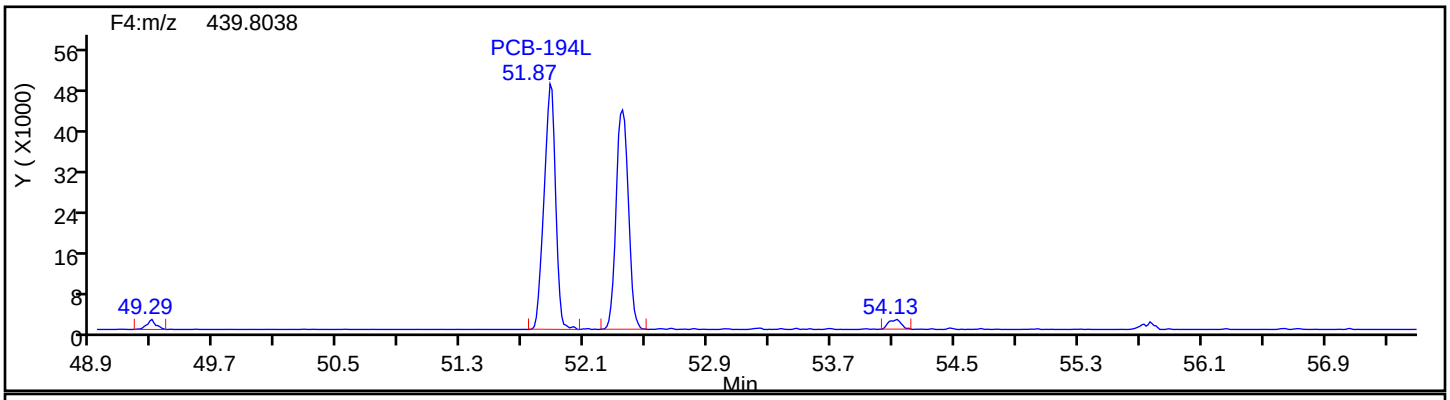
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

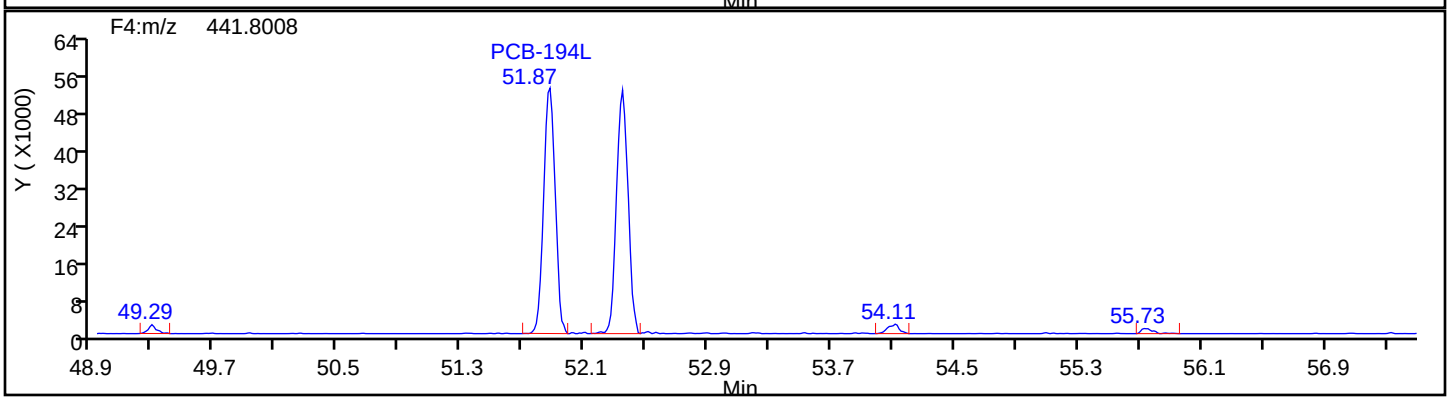
OcPCB F4




OcPCB F4 Standards

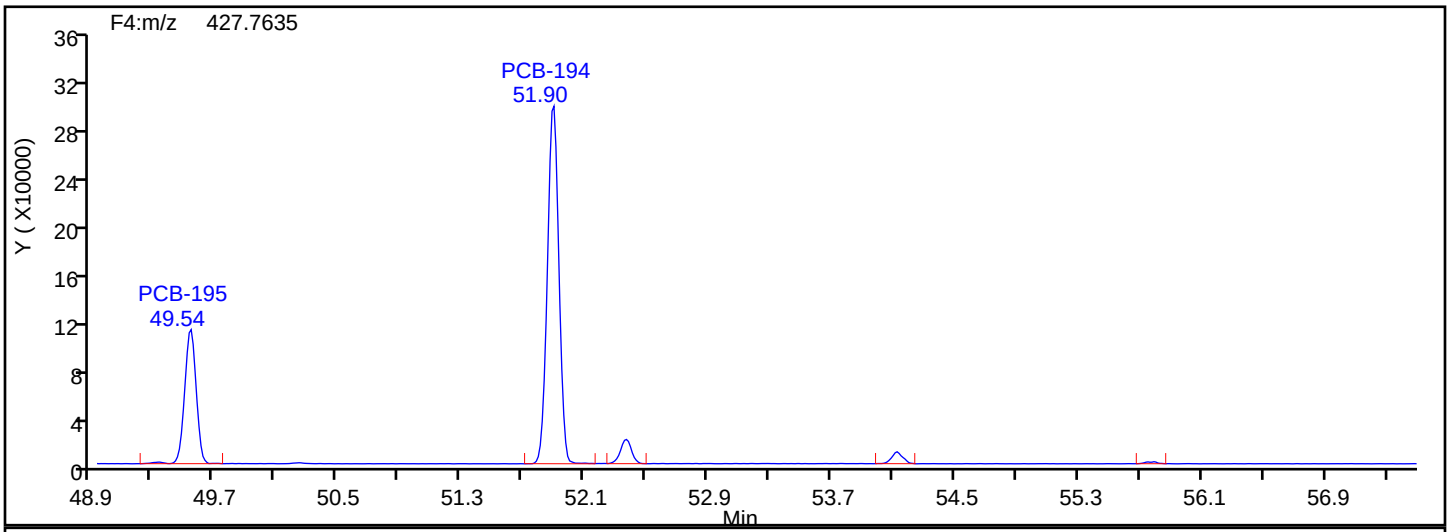


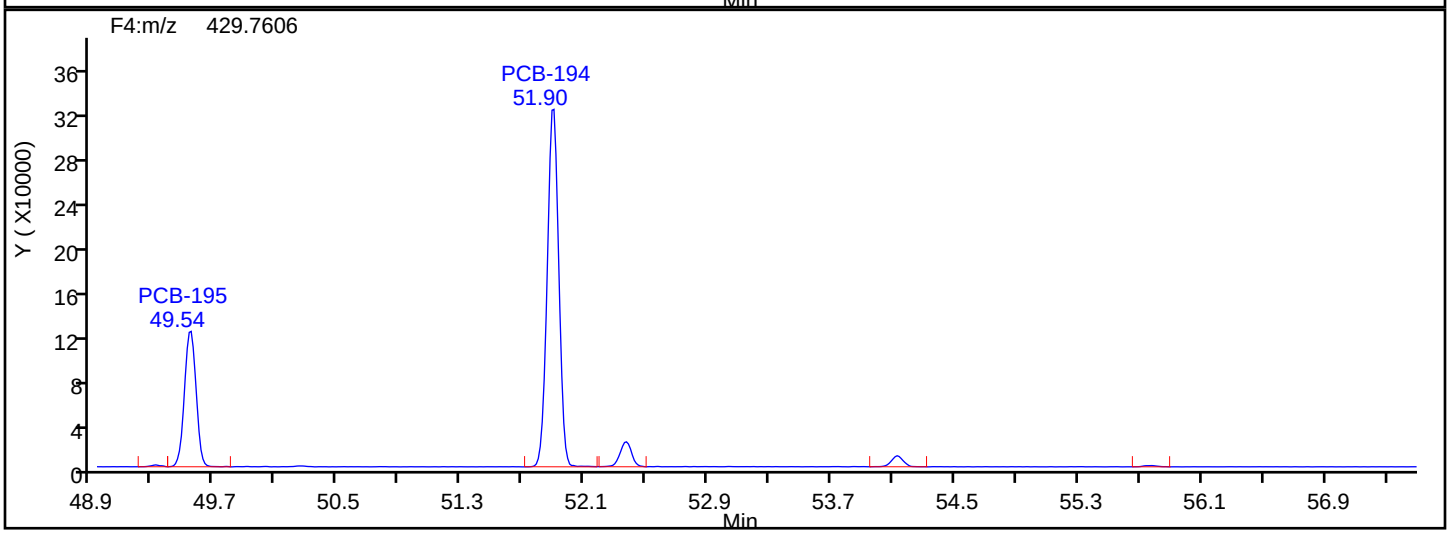



Eurofins TestAmerica, Knoxville

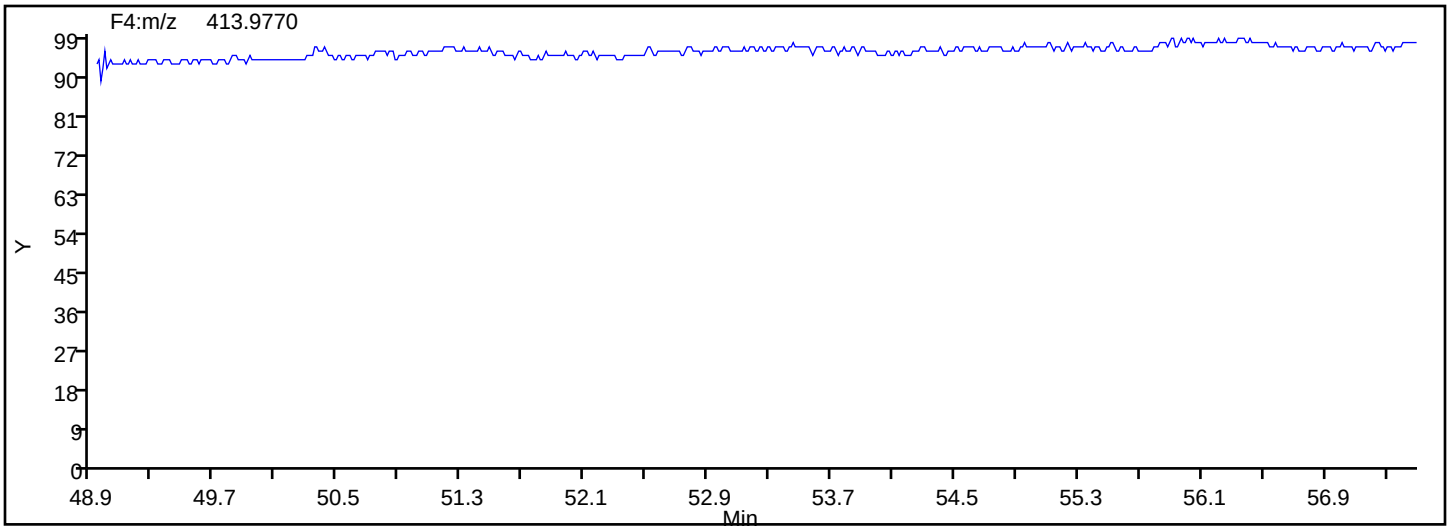
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



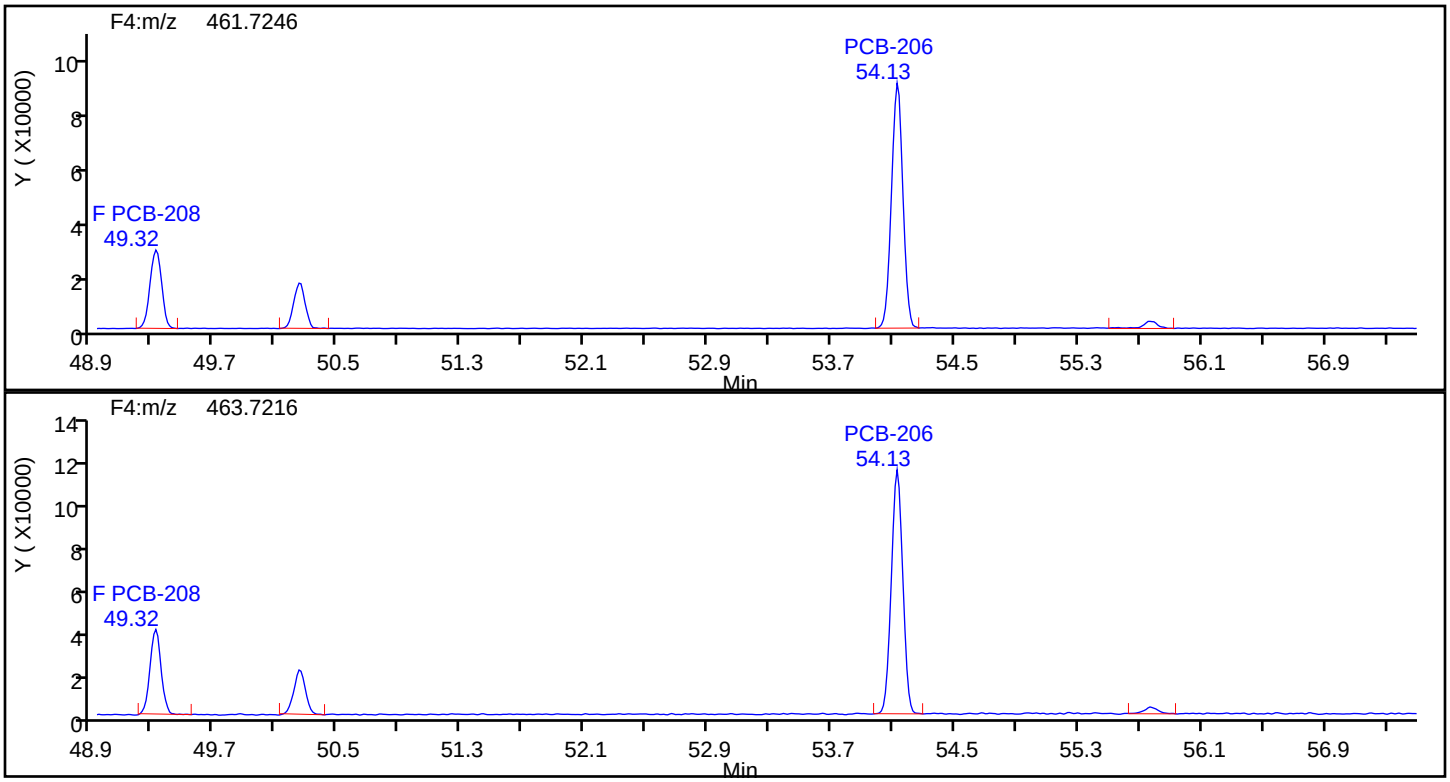

OcPCB F4 Lock Mass



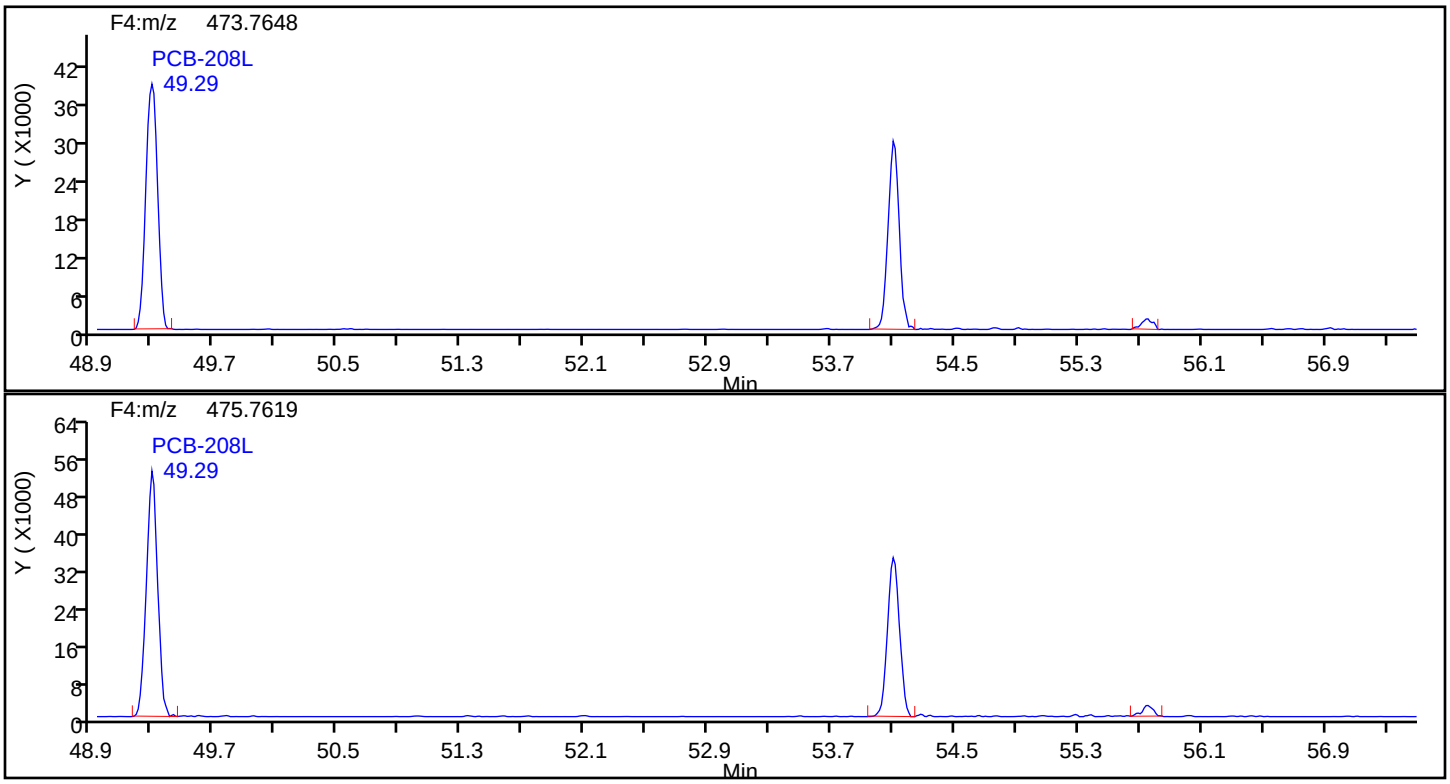
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



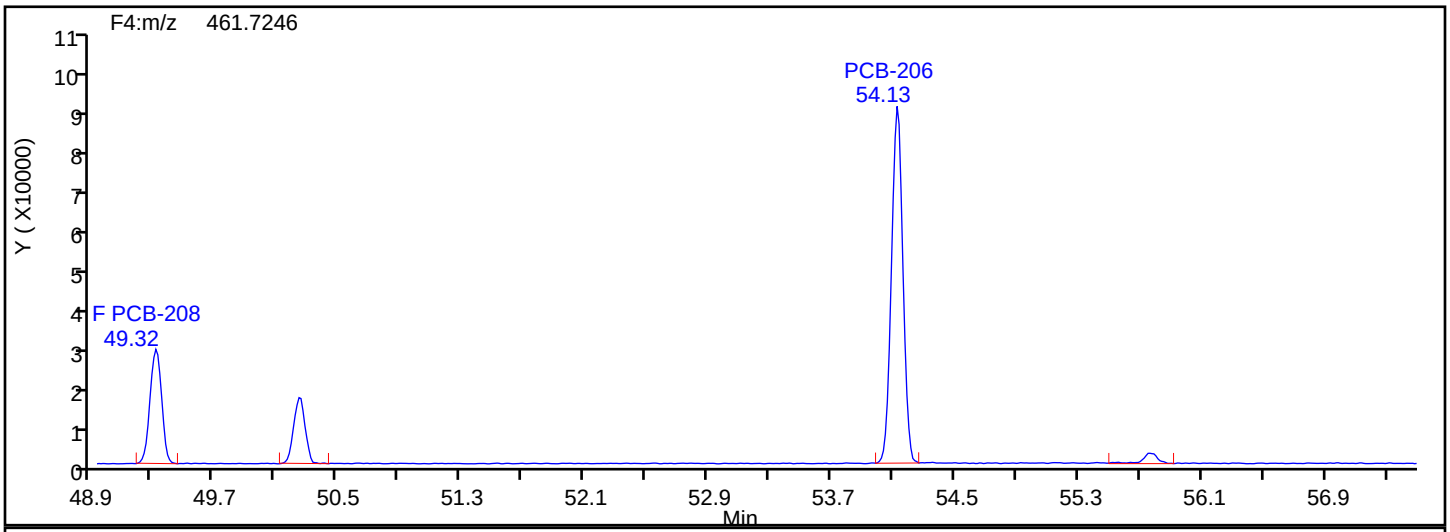

NoPCB F4 Standards

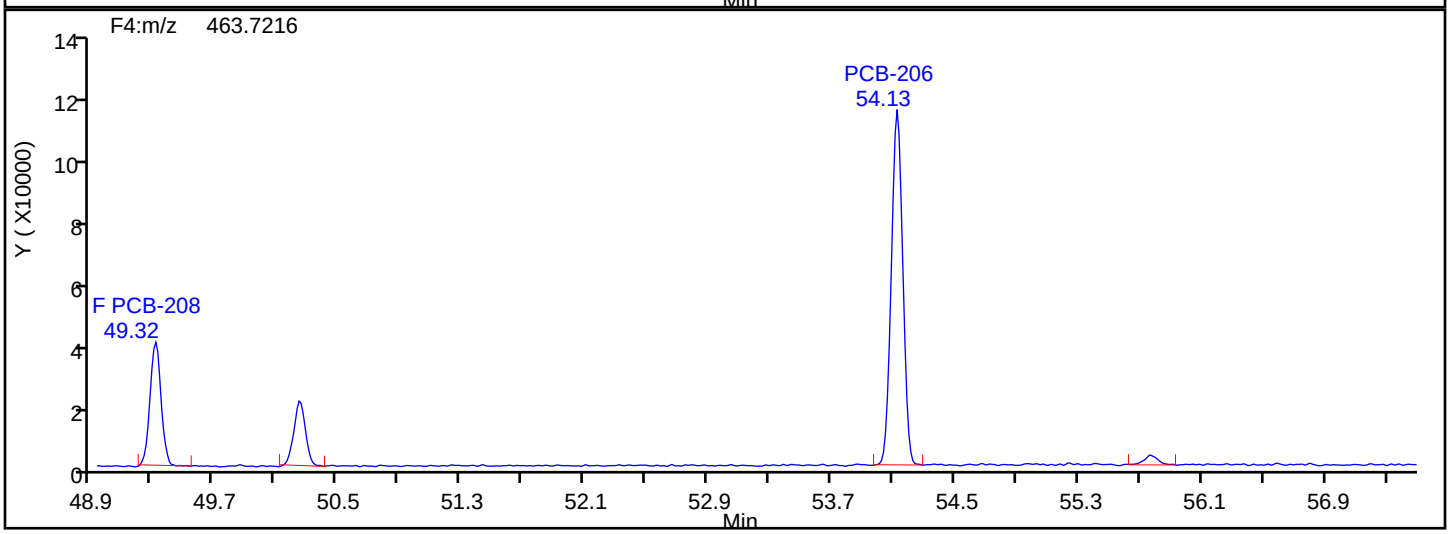


Eurofins TestAmerica, Knoxville

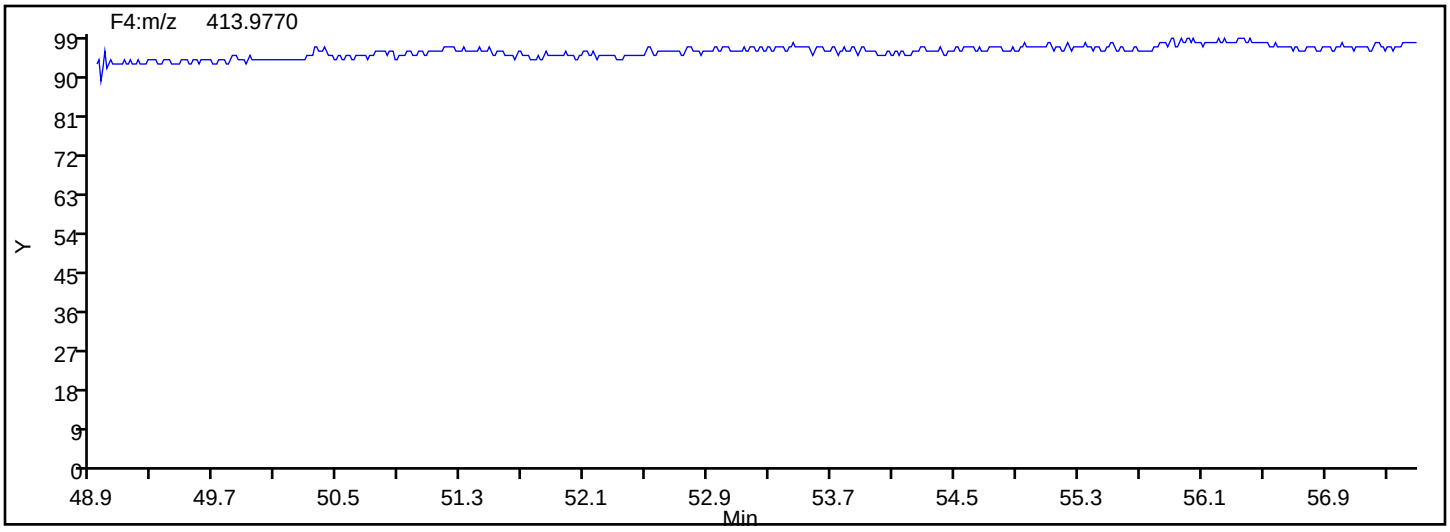
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



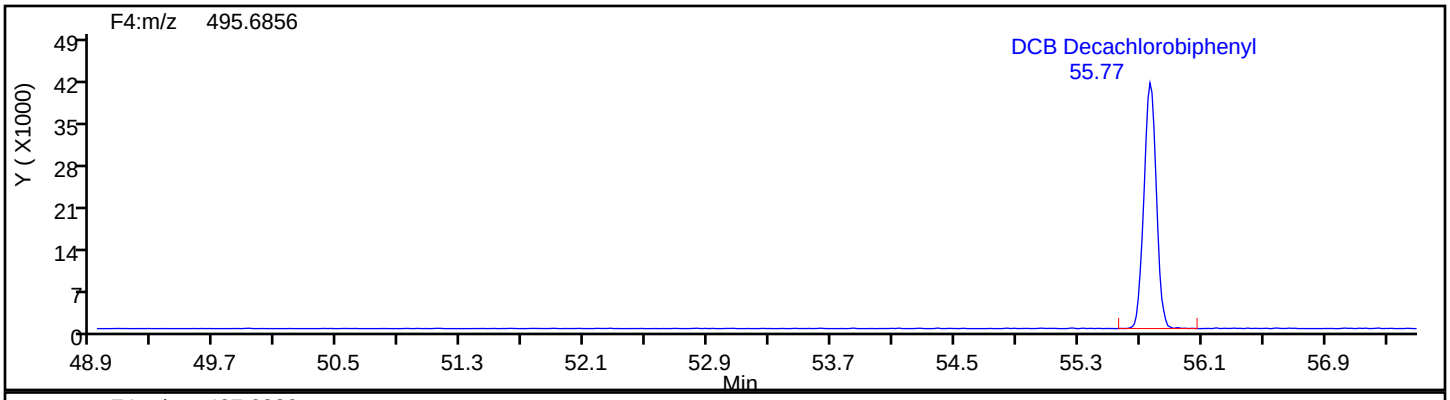

NoPCB F4 Lock Mass

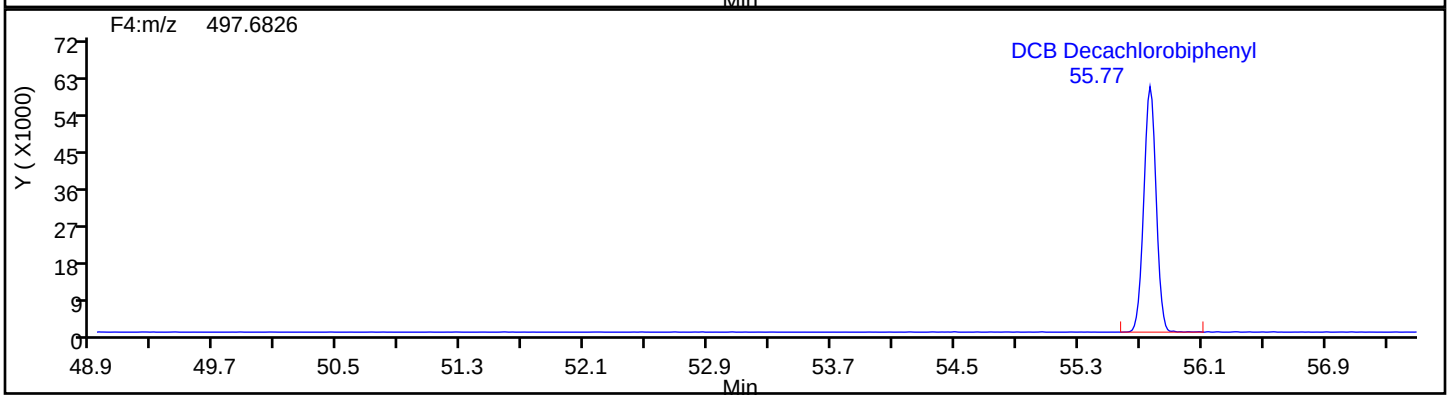


Eurofins TestAmerica, Knoxville

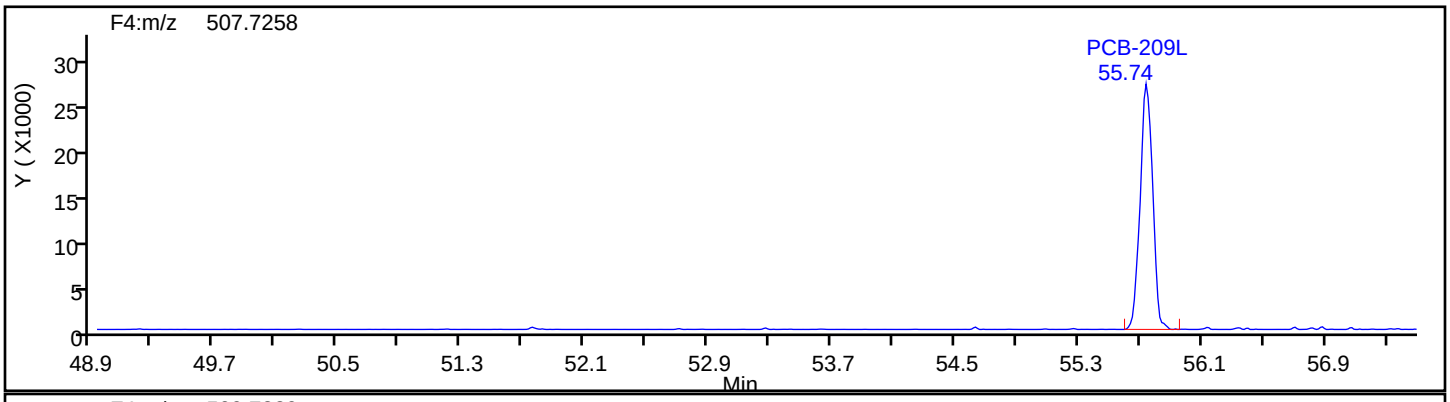
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

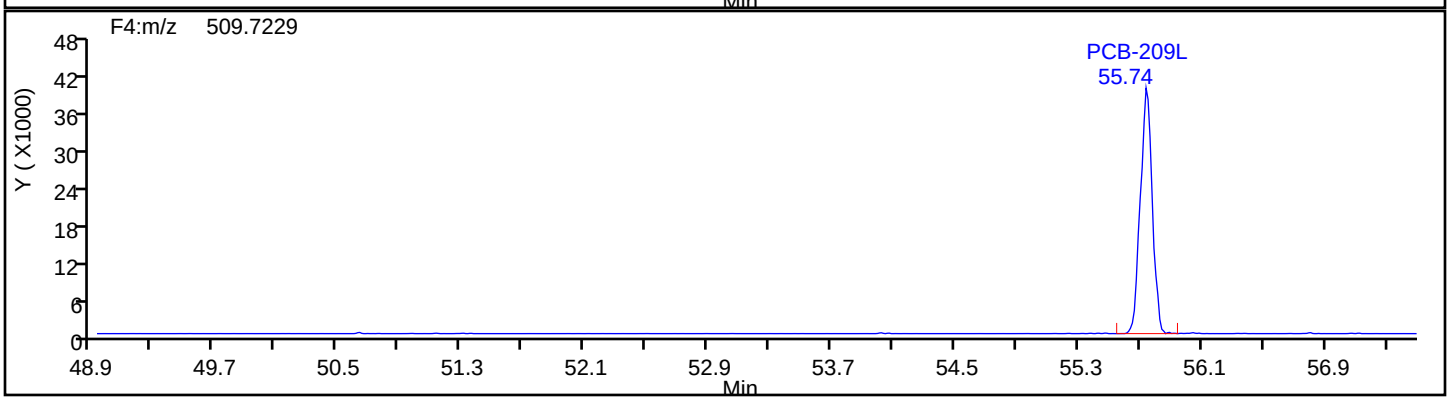
DePCB F4




DePCB F4 Standards

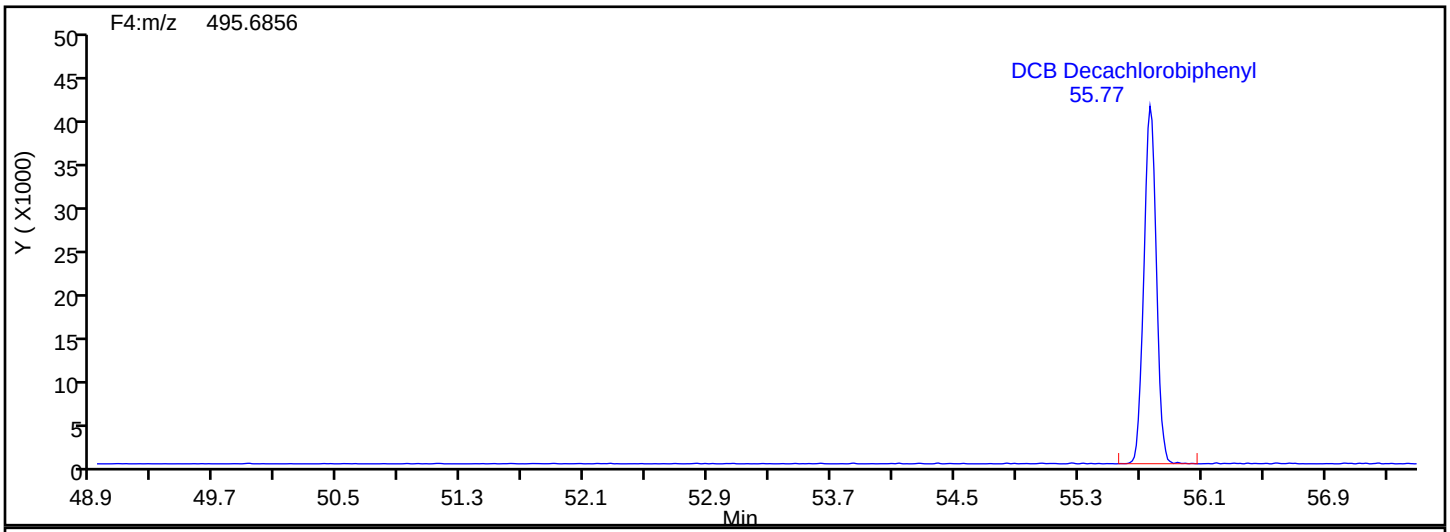


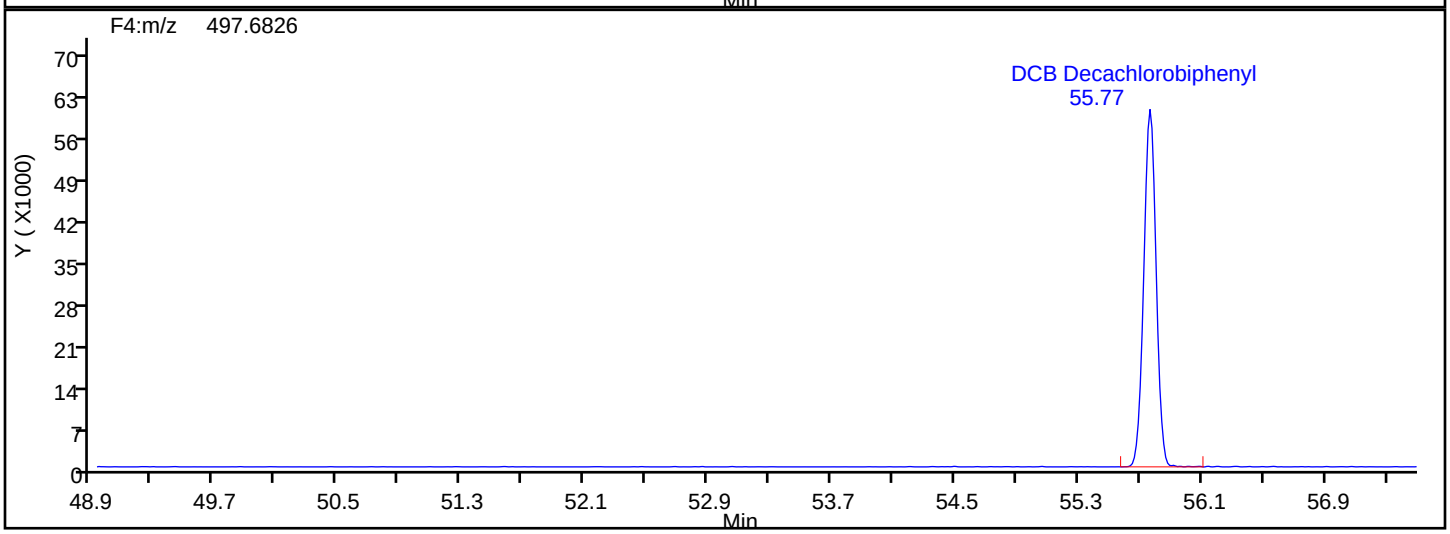



Eurofins TestAmerica, Knoxville

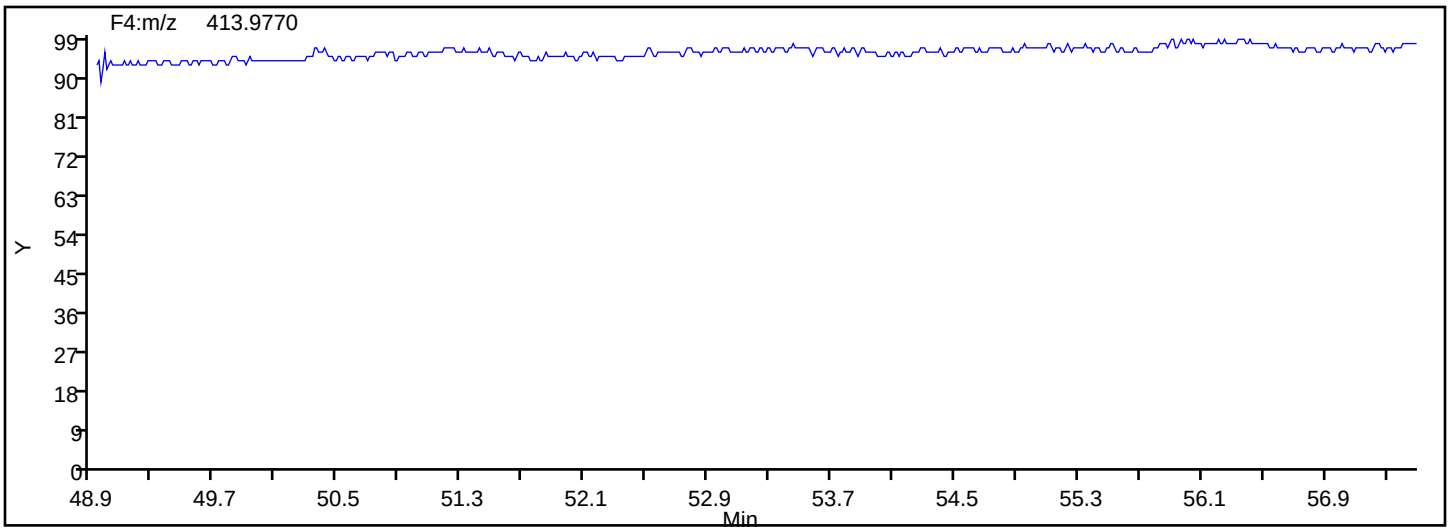
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-26-c_191003154139.d | | |
| Injection Date: | 03-Oct-2019 15:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.83 | | 0.049 | 0.0046 |
| 2051-61-8 | PCB-2 | 0.082 | | 0.049 | 0.0046 |
| 2051-62-9 | PCB-3 | 0.36 | | 0.049 | 0.0046 |
| 13029-08-8 | PCB-4 | 0.58 | | 0.099 | 0.0032 |
| 16605-91-7 | PCB-5 | 0.044 | J | 0.049 | 0.0021 |
| 25569-80-6 | PCB-6 | 0.43 | | 0.049 | 0.0021 |
| 33284-50-3 | PCB-7 | 0.10 | | 0.049 | 0.0020 |
| 34883-43-7 | PCB-8 | 1.6 | | 0.099 | 0.0021 |
| 34883-39-1 | PCB-9 | 0.14 | | 0.049 | 0.0023 |
| 33146-45-1 | PCB-10 | 0.036 | J | 0.049 | 0.0022 |
| 2050-67-1 | PCB-11 | 0.036 | J q B | 0.099 | 0.0020 |
| 2974-92-7 | PCB-12 | 0.16 | C | 0.099 | 0.0020 |
| 2974-90-5 | PCB-13 | 0.16 | C12 | 0.099 | 0.0020 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0017 |
| 2050-68-2 | PCB-15 | 0.56 | | 0.049 | 0.0020 |
| 38444-78-9 | PCB-16 | 1.2 | | 0.049 | 0.0023 |
| 37680-66-3 | PCB-17 | 1.8 | B | 0.049 | 0.0018 |
| 37680-65-2 | PCB-18 | 2.8 | C B | 0.099 | 0.0015 |
| 38444-73-4 | PCB-19 | 0.25 | | 0.049 | 0.0021 |
| 38444-84-7 | PCB-20 | 4.8 | C B | 0.099 | 0.028 |
| 55702-46-0 | PCB-21 | 2.1 | C B | 0.099 | 0.027 |
| 38444-85-8 | PCB-22 | 1.1 | B | 0.049 | 0.030 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.029 |
| 55702-45-9 | PCB-24 | 0.032 | J | 0.049 | 0.0013 |
| 55712-37-3 | PCB-25 | 0.54 | | 0.049 | 0.027 |
| 38444-81-4 | PCB-26 | 0.94 | C B | 0.099 | 0.028 |
| 38444-76-7 | PCB-27 | 0.22 | | 0.049 | 0.0013 |
| 7012-37-5 | PCB-28 | 4.8 | C20 B | 0.099 | 0.028 |
| 15862-07-4 | PCB-29 | 0.94 | C26 B | 0.099 | 0.028 |
| 35693-92-6 | PCB-30 | 2.8 | C18 B | 0.099 | 0.0015 |
| 16606-02-3 | PCB-31 | 3.5 | B | 0.099 | 0.027 |
| 38444-77-8 | PCB-32 | 1.3 | | 0.049 | 0.0012 |
| 38444-86-9 | PCB-33 | 2.1 | C21 B | 0.099 | 0.027 |
| 37680-68-5 | PCB-34 | 0.064 | | 0.049 | 0.030 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.064 | | 0.049 | 0.030 |
| 38444-87-0 | PCB-36 | ND | | 0.049 | 0.027 |
| 38444-90-5 | PCB-37 | 0.90 | B | 0.049 | 0.029 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.028 |
| 38444-88-1 | PCB-39 | 0.084 | | 0.049 | 0.026 |
| 38444-93-8 | PCB-40 | 5.7 | C | 0.15 | 0.016 |
| 52663-59-9 | PCB-41 | 5.7 | C40 | 0.15 | 0.016 |
| 36559-22-5 | PCB-42 | 2.4 | | 0.049 | 0.017 |
| 70362-46-8 | PCB-43 | 0.36 | q C | 0.099 | 0.015 |
| 41464-39-5 | PCB-44 | 21 | C B | 0.15 | 0.014 |
| 70362-45-7 | PCB-45 | 4.4 | C B | 0.099 | 0.017 |
| 41464-47-5 | PCB-46 | 0.45 | | 0.049 | 0.019 |
| 2437-79-8 | PCB-47 | 21 | C44 B | 0.15 | 0.014 |
| 70362-47-9 | PCB-48 | 1.0 | | 0.049 | 0.015 |
| 41464-40-8 | PCB-49 | 14 | C B | 0.099 | 0.013 |
| 62796-65-0 | PCB-50 | 2.6 | C | 0.099 | 0.016 |
| 68194-04-7 | PCB-51 | 4.4 | C45 B | 0.099 | 0.017 |
| 35693-99-3 | PCB-52 | 30 | B | 0.049 | 0.016 |
| 41464-41-9 | PCB-53 | 2.6 | C50 | 0.099 | 0.016 |
| 15968-05-5 | PCB-54 | 0.31 | | 0.049 | 0.0012 |
| 74338-24-2 | PCB-55 | ND | | 0.049 | 0.011 |
| 41464-43-1 | PCB-56 | 3.0 | | 0.049 | 0.012 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.011 |
| 41464-49-7 | PCB-58 | 0.097 | | 0.049 | 0.011 |
| 74472-33-6 | PCB-59 | 0.66 | C | 0.15 | 0.011 |
| 33025-41-1 | PCB-60 | 0.58 | | 0.049 | 0.011 |
| 33284-53-6 | PCB-61 | 19 | C B | 0.20 | 0.011 |
| 54230-22-7 | PCB-62 | 0.66 | C59 | 0.15 | 0.011 |
| 74472-34-7 | PCB-63 | 0.36 | | 0.049 | 0.010 |
| 52663-58-8 | PCB-64 | 3.2 | | 0.049 | 0.010 |
| 33284-54-7 | PCB-65 | 21 | C44 B | 0.15 | 0.014 |
| 32598-10-0 | PCB-66 | 9.2 | B | 0.049 | 0.011 |
| 73575-53-8 | PCB-67 | 0.051 | | 0.049 | 0.010 |
| 73575-52-7 | PCB-68 | 0.51 | B | 0.049 | 0.0099 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 14 | C49 B | 0.099 | 0.013 |
| 32598-11-1 | PCB-70 | 19 | C61 B | 0.20 | 0.011 |
| 41464-46-4 | PCB-71 | 5.7 | C40 | 0.15 | 0.016 |
| 41464-42-0 | PCB-72 | 0.84 | | 0.049 | 0.011 |
| 74338-23-1 | PCB-73 | 0.36 | q C43 | 0.099 | 0.015 |
| 32690-93-0 | PCB-74 | 19 | C61 B | 0.20 | 0.011 |
| 32598-12-2 | PCB-75 | 0.66 | C59 | 0.15 | 0.011 |
| 70362-48-0 | PCB-76 | 19 | C61 B | 0.20 | 0.011 |
| 32598-13-3 | PCB-77 | 0.52 | | 0.049 | 0.011 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.011 |
| 41464-48-6 | PCB-79 | 0.50 | | 0.049 | 0.0095 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0099 |
| 70362-50-4 | PCB-81 | 0.021 | J | 0.049 | 0.011 |
| 52663-62-4 | PCB-82 | 3.6 | B | 0.049 | 0.0018 |
| 60145-20-2 | PCB-83 | 33 | C B | 0.099 | 0.0017 |
| 52663-60-2 | PCB-84 | 9.4 | B | 0.049 | 0.0018 |
| 65510-45-4 | PCB-85 | 5.3 | C | 0.15 | 0.0013 |
| 55312-69-1 | PCB-86 | 25 | C B | 0.30 | 0.0013 |
| 38380-02-8 | PCB-87 | 25 | C86 B | 0.30 | 0.0013 |
| 55215-17-3 | PCB-88 | 8.2 | C B | 0.099 | 0.0016 |
| 73575-57-2 | PCB-89 | ND | | 0.049 | 0.0018 |
| 68194-07-0 | PCB-90 | 48 | C B | 0.15 | 0.0014 |
| 68194-05-8 | PCB-91 | 8.2 | C88 B | 0.099 | 0.0016 |
| 52663-61-3 | PCB-92 | 14 | B | 0.049 | 0.0017 |
| 73575-56-1 | PCB-93 | 2.2 | C | 0.099 | 0.0016 |
| 73575-55-0 | PCB-94 | 0.81 | | 0.049 | 0.0017 |
| 38379-99-6 | PCB-95 | 37 | B | 0.049 | 0.0016 |
| 73575-54-9 | PCB-96 | 0.48 | | 0.049 | 0.0013 |
| 41464-51-1 | PCB-97 | 25 | C86 B | 0.30 | 0.0013 |
| 60233-25-2 | PCB-98 | 2.7 | C | 0.099 | 0.0016 |
| 38380-01-7 | PCB-99 | 33 | C83 B | 0.099 | 0.0017 |
| 39485-83-1 | PCB-100 | 2.2 | C93 | 0.099 | 0.0016 |
| 37680-73-2 | PCB-101 | 48 | C90 B | 0.15 | 0.0014 |
| 68194-06-9 | PCB-102 | 2.7 | C98 | 0.099 | 0.0016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 2.6 | | 0.049 | 0.0015 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0011 |
| 32598-14-4 | PCB-105 | 9.6 | B | 0.049 | 0.028 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.028 |
| 70424-68-9 | PCB-107 | 3.2 | B | 0.049 | 0.026 |
| 70362-41-3 | PCB-108 | 1.1 | C | 0.099 | 0.029 |
| 74472-35-8 | PCB-109 | 25 | C86 B | 0.30 | 0.0013 |
| 38380-03-9 | PCB-110 | 43 | C B | 0.099 | 0.0012 |
| 39635-32-0 | PCB-111 | 0.26 | | 0.049 | 0.0011 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0012 |
| 68194-10-5 | PCB-113 | 48 | C90 B | 0.15 | 0.0014 |
| 74472-37-0 | PCB-114 | 0.52 | | 0.049 | 0.025 |
| 74472-38-1 | PCB-115 | 43 | C110 B | 0.099 | 0.0012 |
| 18259-05-7 | PCB-116 | 5.3 | C85 | 0.15 | 0.0013 |
| 68194-11-6 | PCB-117 | 5.3 | C85 | 0.15 | 0.0013 |
| 31508-00-6 | PCB-118 | 28 | B | 0.049 | 0.027 |
| 56558-17-9 | PCB-119 | 25 | C86 B | 0.30 | 0.0013 |
| 68194-12-7 | PCB-120 | 0.95 | | 0.049 | 0.0011 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0011 |
| 76842-07-4 | PCB-122 | 0.35 | B | 0.049 | 0.031 |
| 65510-44-3 | PCB-123 | 0.35 | | 0.049 | 0.027 |
| 70424-70-3 | PCB-124 | 1.1 | C108 | 0.099 | 0.029 |
| 74472-39-2 | PCB-125 | 25 | C86 B | 0.30 | 0.0013 |
| 57465-28-8 | PCB-126 | 0.053 | | 0.049 | 0.027 |
| 39635-33-1 | PCB-127 | 0.061 | | 0.049 | 0.028 |
| 38380-07-3 | PCB-128 | 6.1 | C B | 0.099 | 0.0076 |
| 55215-18-4 | PCB-129 | 46 | C B | 0.20 | 0.0079 |
| 52663-66-8 | PCB-130 | 3.5 | B | 0.049 | 0.010 |
| 61798-70-7 | PCB-131 | 0.60 | | 0.049 | 0.0099 |
| 38380-05-1 | PCB-132 | 18 | B | 0.049 | 0.0097 |
| 35694-04-3 | PCB-133 | 2.2 | | 0.049 | 0.0094 |
| 52704-70-8 | PCB-134 | 3.5 | C | 0.099 | 0.010 |
| 52744-13-5 | PCB-135 | 31 | C B | 0.099 | 0.0010 |
| 38411-22-2 | PCB-136 | 11 | B | 0.049 | 0.00076 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 1.6 | | 0.049 | 0.0081 |
| 35065-28-2 | PCB-138 | 46 | C129 B | 0.20 | 0.0079 |
| 56030-56-9 | PCB-139 | 1.7 | C | 0.099 | 0.0085 |
| 59291-64-4 | PCB-140 | 1.7 | C139 | 0.099 | 0.0085 |
| 52712-04-6 | PCB-141 | 7.7 | B | 0.049 | 0.0089 |
| 41411-61-4 | PCB-142 | ND | | 0.049 | 0.0099 |
| 68194-15-0 | PCB-143 | 3.5 | C134 | 0.099 | 0.010 |
| 68194-14-9 | PCB-144 | 2.4 | | 0.049 | 0.00096 |
| 74472-40-5 | PCB-145 | 0.044 | J | 0.049 | 0.00074 |
| 51908-16-8 | PCB-146 | 17 | B | 0.049 | 0.0085 |
| 68194-13-8 | PCB-147 | 57 | C B | 0.099 | 0.0088 |
| 74472-41-6 | PCB-148 | 0.90 | | 0.049 | 0.00098 |
| 38380-04-0 | PCB-149 | 57 | C147 B | 0.099 | 0.0088 |
| 68194-08-1 | PCB-150 | 0.77 | | 0.049 | 0.00071 |
| 52663-63-5 | PCB-151 | 31 | C135 B | 0.099 | 0.0010 |
| 68194-09-2 | PCB-152 | 0.11 | | 0.049 | 0.00070 |
| 35065-27-1 | PCB-153 | 49 | C B | 0.099 | 0.0070 |
| 60145-22-4 | PCB-154 | 5.2 | | 0.049 | 0.00086 |
| 33979-03-2 | PCB-155 | 0.035 | J | 0.049 | 0.00067 |
| 38380-08-4 | PCB-156 | 4.8 | C B | 0.099 | 0.0083 |
| 69782-90-7 | PCB-157 | 4.8 | C156 B | 0.099 | 0.0083 |
| 74472-42-7 | PCB-158 | 4.1 | B | 0.049 | 0.0062 |
| 39635-35-3 | PCB-159 | 0.49 | | 0.049 | 0.0065 |
| 41411-62-5 | PCB-160 | 46 | C129 B | 0.20 | 0.0079 |
| 74472-43-8 | PCB-161 | ND | | 0.049 | 0.0064 |
| 39635-34-2 | PCB-162 | ND | | 0.049 | 0.0063 |
| 74472-44-9 | PCB-163 | 46 | C129 B | 0.20 | 0.0079 |
| 74472-45-0 | PCB-164 | 3.6 | B | 0.049 | 0.0068 |
| 74472-46-1 | PCB-165 | ND | | 0.049 | 0.0076 |
| 41411-63-6 | PCB-166 | 6.1 | C128 B | 0.099 | 0.0076 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 1.4 | B | 0.049 | 0.0053 |
| 59291-65-5 | PCB-168 | 49 | C153 B | 0.099 | 0.0070 |
| 32774-16-6 | PCB-169 | ND | | 0.049 | 0.0056 |
| 35065-30-6 | PCB-170 | 13 | B | 0.049 | 0.00082 |
| 52663-71-5 | PCB-171 | 4.8 | C B | 0.099 | 0.00079 |
| 52663-74-8 | PCB-172 | 2.5 | B | 0.049 | 0.00077 |
| 68194-16-1 | PCB-173 | 4.8 | C171 B | 0.099 | 0.00079 |
| 38411-25-5 | PCB-174 | 16 | B | 0.049 | 0.00080 |
| 40186-70-7 | PCB-175 | 0.68 | | 0.049 | 0.00071 |
| 52663-65-7 | PCB-176 | 2.2 | B | 0.049 | 0.00050 |
| 52663-70-4 | PCB-177 | 11 | B | 0.049 | 0.00081 |
| 52663-67-9 | PCB-178 | 4.3 | B | 0.049 | 0.00074 |
| 52663-64-6 | PCB-179 | 8.9 | B | 0.049 | 0.00054 |
| 35065-29-3 | PCB-180 | 30 | C B | 0.099 | 0.00062 |
| 74472-47-2 | PCB-181 | ND | | 0.049 | 0.00069 |
| 60145-23-5 | PCB-182 | 0.26 | | 0.049 | 0.00066 |
| 52663-69-1 | PCB-183 | 10 | C B | 0.099 | 0.00067 |
| 74472-48-3 | PCB-184 | ND | | 0.049 | 0.00054 |
| 52712-05-7 | PCB-185 | 10 | C183 B | 0.099 | 0.00067 |
| 74472-49-4 | PCB-186 | ND | | 0.049 | 0.00053 |
| 52663-68-0 | PCB-187 | 23 | B | 0.049 | 0.00069 |
| 74487-85-7 | PCB-188 | 0.12 | | 0.049 | 0.00048 |
| 39635-31-9 | PCB-189 | 0.49 | B | 0.049 | 0.0062 |
| 41411-64-7 | PCB-190 | 2.8 | B | 0.049 | 0.00055 |
| 74472-50-7 | PCB-191 | 0.62 | | 0.049 | 0.00055 |
| 74472-51-8 | PCB-192 | ND | | 0.049 | 0.00059 |
| 69782-91-8 | PCB-193 | 30 | C180 B | 0.099 | 0.00062 |
| 35694-08-7 | PCB-194 | 6.7 | B | 0.049 | 0.0053 |
| 52663-78-2 | PCB-195 | 3.0 | B | 0.049 | 0.0063 |
| 42740-50-1 | PCB-196 | 3.6 | B | 0.049 | 0.00097 |
| 33091-17-7 | PCB-197 | 0.29 | B | 0.049 | 0.00071 |
| 68194-17-2 | PCB-198 | 7.4 | C B | 0.099 | 0.0010 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 7.4 | C198 B | 0.099 | 0.0010 |
| 52663-73-7 | PCB-200 | 0.92 | | 0.049 | 0.00076 |
| 40186-71-8 | PCB-201 | 0.99 | B | 0.049 | 0.00072 |
| 2136-99-4 | PCB-202 | 1.5 | B | 0.049 | 0.00081 |
| 52663-76-0 | PCB-203 | 4.5 | | 0.049 | 0.00092 |
| 74472-52-9 | PCB-204 | ND | | 0.049 | 0.00077 |
| 74472-53-0 | PCB-205 | 0.34 | | 0.049 | 0.0040 |
| 40186-72-9 | PCB-206 | 2.5 | | 0.049 | 0.010 |
| 52663-79-3 | PCB-207 | 0.31 | | 0.049 | 0.0075 |
| 52663-77-1 | PCB-208 | 0.61 | | 0.049 | 0.0080 |
| 2051-24-3 | PCB-209 | 1.2 | | 0.049 | 0.0019 |
| 27323-18-8 | Total Monochlorobiphenyls | 1.3 | | 0.049 | 0.0046 |
| 25512-42-9 | Total Dichlorobiphenyls | 3.7 | q B | 0.099 | 0.0022 |
| 25323-68-6 | Total Trichlorobiphenyls | 22 | B | 0.099 | 0.019 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 120 | q B | 0.20 | 0.012 |
| 25429-29-2 | Total Pentachlorobiphenyls | 280 | B | 0.30 | 0.0099 |
| 26601-64-9 | Total Hexachlorobiphenyls | 280 | B | 0.20 | 0.0060 |
| 28655-71-2 | Total Heptachlorobiphenyls | 130 | B | 0.099 | 0.00092 |
| 55722-26-4 | Total Octachlorobiphenyls | 29 | B | 0.099 | 0.0020 |
| 53742-07-7 | Total Nonachlorobiphenyls | 3.4 | | 0.049 | 0.0085 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 870 | q B | 0.30 | 0.0069 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-20to30-82719 RE  Lab Sample ID: 580-88908-26 RE

Matrix: Solid  Lab File ID: 580-88908-a-26-f_191010040627.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:55

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.05(g)  Date Analyzed: 10/10/2019 04:06

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 49.5  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 67 | | 30-140 |
| 208263-77-8 | PCB-3L | 73 | | 30-140 |
| 234432-86-1 | PCB-4L | 81 | | 30-140 |
| 208263-67-6 | PCB-15L | 92 | | 30-140 |
| 234432-87-2 | PCB-19L | 66 | | 30-140 |
| 208263-79-0 | PCB-37L | 89 | | 30-140 |
| 234432-88-3 | PCB-54L | 71 | | 30-140 |
| 105600-23-5 | PCB-77L | 95 | | 30-140 |
| 208461-24-9 | PCB-81L | 88 | | 30-140 |
| 234432-89-4 | PCB-104L | 101 | | 30-140 |
| 208263-62-1 | PCB-105L | 85 | | 30-140 |
| 208263-63-2 | PCB-114L | 85 | | 30-140 |
| 104130-40-7 | PCB-118L | 88 | | 30-140 |
| 208263-64-3 | PCB-123L | 86 | | 30-140 |
| 208263-65-4 | PCB-126L | 97 | | 30-140 |
| 234432-90-7 | PCB-155L | 102 | | 30-140 |
| 208263-68-7 | PCB-156L | 85 | C | 30-140 |
| 235416-30-5 | PCB-157L | 85 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 86 | | 30-140 |
| 208263-70-1 | PCB-169L | 100 | | 30-140 |
| 160901-80-4 | PCB-170L | 82 | | 30-140 |
| 234432-91-8 | PCB-188L | 83 | | 30-140 |
| 208263-73-4 | PCB-189L | 81 | | 30-140 |
| 105600-26-8 | PCB-202L | 91 | | 30-140 |
| 234446-64-1 | PCB-205L | 79 | | 30-140 |
| 208263-75-6 | PCB-206L | 71 | | 30-140 |
| 234432-92-9 | PCB-208L | 77 | | 30-140 |
| 105600-27-9 | PCB-209L | 70 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 82 | | 40-125 |
| 235416-29-2 | PCB-111L | 106 | | 40-125 |
| 232919-67-4 | PCB-178L | 94 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d
Lims ID: 580-88908-A-26-F
Client ID: J5-SC1b-20to30-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 04:06:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013345-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 20:51:10 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0304

First Level Reviewer: mcwhirterl Date: 10-Oct-2019 20:51:10

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 25.8 | 25.8 | 0.0928 | 0.0928 | | |
| D PCB-1L | 11:45 | 722263 | 3.00 | 1.3140 | 13.3 | 13.3 | 0.2994 | 0.2994 | 66.72 | |
| D PCB-3L | 13:55 | 820204 | 3.36 | 1.3615 | 14.6 | 14.6 | 0.2889 | 0.2889 | 73.13 | |
| PCB-1 | 11:45 | 721358 | 3.19 | 1.1883 | 16.8 | 16.8 | 0.0927 | 0.0927 | | |
| PCB-2 | 13:45 | 76067 | 3.21 | 1.1911 | 1.656 | 1.656 | 0.0933 | 0.0933 | | |
| PCB-3 | 13:56 | 366429 | 3.07 | 1.2130 | 7.366 | 7.366 | 0.0924 | 0.0924 | | |
| S Total Dichlorobiphenyls | | | | | 74.3 | 74.2 | 0.0437 | 0.0437 | | RQ |
| D PCB-4L | 14:10 | 398671 | 1.73 | 0.5996 | 16.1 | 16.1 | 0.1654 | 0.1654 | 80.72 | |
| * PCB-9L | 16:08 | 823780 | 1.67 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:03 | 781757 | 1.61 | 1.0280 | 18.5 | 18.5 | 0.0965 | 0.0965 | 92.31 | |
| PCB-4 | 14:10 | 294548 | 1.61 | 1.2533 | 11.8 | 11.8 | 0.0647 | 0.0647 | | |
| PCB-10 | 14:21 | 32053 | 1.74 | 1.4828 | 0.7325 | 0.7325 | 0.0448 | 0.0448 | | |
| PCB-9 | 16:09 | 116212 | 1.58 | 1.4200 | 2.773 | 2.773 | 0.0468 | 0.0468 | | |
| PCB-7 | 16:19 | 98368 | 1.55 | 1.6244 | 2.052 | 2.052 | 0.0409 | 0.0409 | | |
| PCB-6 | 16:33 | 402119 | 1.63 | 1.5539 | 8.769 | 8.769 | 0.0427 | 0.0427 | | |
| PCB-5 | 16:52 | 40634 | 1.75 | 1.5606 | 0.8823 | 0.8823 | 0.0425 | 0.0425 | | |
| PCB-8 | 16:59 | 1499651 | 1.62 | 1.5884 | 32.0 | 32.0 | 0.0418 | 0.0418 | | |
| PCB-14 | 18:38 | | | | | | 0.0354 | 0.0354 | | |
| PCB-11 | 19:27 | 35491 | 1.56 | 1.6347 | 0.8156 | 0.7357 | 0.0406 | 0.0406 | | RQ |
| PCB-12 | 19:45 | 155457 | 1.57 | 1.6410 | 3.210 | 3.210 | 0.0405 | 0.0405 | | |
| PCB-13 (C12) | 19:45 | 155457 | 1.57 | 1.6410 | 3.210 | 3.210 | 0.0405 | 0.0405 | | |
| PCB-15 | 20:04 | 616869 | 1.62 | 1.4024 | 11.3 | 11.3 | 0.0401 | 0.0401 | | |
| S Total Trichlorobiphenyl | | | | | 439.0 | 439.0 | 0.3830 | 0.3830 | | |
| D PCB-19L | 17:16 | 245096 | 1.15 | 0.6095 | 13.3 | 13.3 | 0.5457 | 0.5457 | 66.31 | |
| * PCB-32L | 20:31 | 606483 | 1.11 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:48 | 1650447 | 1.06 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:05 | 1486051 | 1.12 | 1.0975 | 16.4 | 16.4 | 0.1130 | 0.1130 | 82.04 | |
| D PCB-37L | 27:06 | 1324776 | 1.12 | 0.9024 | 17.8 | 17.8 | 0.1374 | 0.1374 | 88.95 | |
| PCB-19 | 17:17 | 81259 | 1.11 | 1.3047 | 5.082 | 5.082 | 0.0436 | 0.0436 | | |
| PCB-18 | 19:09 | 1244933 | 1.07 | 1.8188 | 55.9 | 55.9 | 0.0313 | 0.0313 | | |
| PCB-30 (C18) | 19:09 | 1244933 | 1.07 | 1.8188 | 55.9 | 55.9 | 0.0313 | 0.0313 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:34 | 687639 | 1.09 | 1.5641 | 35.9 | 35.9 | 0.0363 | 0.0363 | | |
| PCB-27 | 19:47 | 118021 | 1.09 | 2.1680 | 4.442 | 4.442 | 0.0262 | 0.0262 | | |
| PCB-24 | 19:55 | 16575 | 0.89 | 2.1018 | 0.6435 | 0.6435 | 0.0270 | 0.0270 | | |
| PCB-16 | 20:02 | 374658 | 1.09 | 1.2260 | 24.9 | 24.9 | 0.0464 | 0.0464 | | |
| PCB-32 | 20:32 | 749409 | 1.06 | 2.3416 | 26.1 | 26.1 | 0.0243 | 0.0243 | | |
| PCB-34 | 21:49 | 104065 | 1.06 | 1.2154 | 1.293 | 1.293 | 0.6143 | 0.6143 | | |
| PCB-23 | 21:59 | | | | | | 0.5891 | 0.5891 | | |
| PCB-26 | 22:16 | 1657188 | 1.10 | 1.3193 | 19.0 | 19.0 | 0.5660 | 0.5660 | | |
| PCB-29 (C26) | 22:16 | 1657188 | 1.10 | 1.3193 | 19.0 | 19.0 | 0.5660 | 0.5660 | | |
| PCB-25 | 22:30 | 971817 | 1.07 | 1.3523 | 10.8 | 10.8 | 0.5522 | 0.5522 | | |
| PCB-31 | 22:49 | 6464474 | 1.07 | 1.3809 | 70.7 | 70.7 | 0.5407 | 0.5407 | | |
| PCB-20 | 23:07 | 8438321 | 1.06 | 1.3057 | 97.6 | 97.6 | 0.5718 | 0.5718 | | |
| PCB-28 (C20) | 23:07 | 8438321 | 1.06 | 1.3057 | 97.6 | 97.6 | 0.5718 | 0.5718 | | |
| PCB-21 | 23:21 | 3902030 | 1.09 | 1.3777 | 42.8 | 42.8 | 0.5420 | 0.5420 | | |
| PCB-33 (C21) | 23:21 | 3902030 | 1.09 | 1.3777 | 42.8 | 42.8 | 0.5420 | 0.5420 | | |
| PCB-22 | 23:44 | 1873815 | 1.07 | 1.2430 | 22.8 | 22.8 | 0.6007 | 0.6007 | | |
| PCB-36 | 25:19 | | | | | | 0.5544 | 0.5544 | | |
| PCB-39 | 25:40 | 157813 | 1.04 | 1.3970 | 1.705 | 1.705 | 0.5345 | 0.5345 | | |
| PCB-38 | 26:15 | | | | | | 0.5667 | 0.5667 | | |
| PCB-35 | 26:43 | 104659 | 1.14 | 1.2166 | 1.299 | 1.299 | 0.6137 | 0.6137 | | |
| PCB-37 | 27:07 | 1548799 | 1.08 | 1.2879 | 18.2 | 18.2 | 0.5797 | 0.5797 | | |
| S Total Tetrachlorobiphen | | | | | 2464.2 | 2462.3 | 0.2461 | 0.2461 | | RQ |
| D PCB-54L | 20:21 | 282181 | 0.80 | 0.6515 | 14.3 | 14.3 | 0.0979 | 0.0979 | 71.42 | |
| * PCB-52L | 24:55 | 869431 | 0.82 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:52 | 947670 | 0.78 | 1.2328 | 17.7 | 17.7 | 0.0489 | 0.0489 | 88.41 | |
| D PCB-77L | 34:25 | 1036598 | 0.79 | 1.2523 | 19.0 | 19.0 | 0.0481 | 0.0481 | 95.21 | |
| PCB-54 | 20:22 | 111612 | 0.79 | 1.2558 | 6.299 | 6.299 | 0.0247 | 0.0247 | | |
| PCB-50 | 22:32 | 2455737 | 0.80 | 0.9362 | 52.9 | 52.9 | 0.3163 | 0.3163 | | |
| PCB-53 (C50) | 22:32 | 2455737 | 0.80 | 0.9362 | 52.9 | 52.9 | 0.3163 | 0.3163 | | |
| PCB-45 | 23:17 | 3913576 | 0.79 | 0.8850 | 89.1 | 89.1 | 0.3346 | 0.3346 | | |
| PCB-51 (C45) | 23:17 | 3913576 | 0.79 | 0.8850 | 89.1 | 89.1 | 0.3346 | 0.3346 | | |
| PCB-46 | 23:31 | 343677 | 0.83 | 0.7591 | 9.127 | 9.127 | 0.3901 | 0.3901 | | |
| PCB-52 | 24:57 | 27399225 | 0.79 | 0.8992 | 614.2 | 614.2 | 0.3293 | 0.3293 | | |
| PCB-43 | 25:05 | 362934 | 0.77 | 0.9993 | 9.192 | 7.321 | 0.2963 | 0.2963 | | RQ |
| PCB-73 (C43) | 25:05 | 362934 | 0.77 | 0.9993 | 9.192 | 7.321 | 0.2963 | 0.2963 | | RQ |
| PCB-49 | 25:26 | 15968491 | 0.80 | 1.1366 | 283.2 | 283.2 | 0.2605 | 0.2605 | | |
| PCB-69 (C49) | 25:26 | 15968491 | 0.80 | 1.1366 | 283.2 | 283.2 | 0.2605 | 0.2605 | | |
| PCB-48 | 25:43 | 989932 | 0.80 | 0.9454 | 21.1 | 21.1 | 0.3132 | 0.3132 | | |
| PCB-44 | 25:59 | 21715978 | 0.80 | 1.0323 | 424.1 | 424.1 | 0.2869 | 0.2869 | | |
| PCB-47 (C44) | 25:59 | 21715978 | 0.80 | 1.0323 | 424.1 | 424.1 | 0.2869 | 0.2869 | | |
| PCB-65 (C44) | 25:59 | 21715978 | 0.80 | 1.0323 | 424.1 | 424.1 | 0.2869 | 0.2869 | | |
| PCB-59 | 26:17 | 905396 | 0.83 | 1.3609 | 13.4 | 13.4 | 0.2176 | 0.2176 | | |
| PCB-62 (C59) | 26:17 | 905396 | 0.83 | 1.3609 | 13.4 | 13.4 | 0.2176 | 0.2176 | | |
| PCB-75 (C59) | 26:17 | 905396 | 0.83 | 1.3609 | 13.4 | 13.4 | 0.2176 | 0.2176 | | |
| PCB-42 | 26:28 | 2120546 | 0.79 | 0.8670 | 49.3 | 49.3 | 0.3415 | 0.3415 | | |
| PCB-40 | 26:58 | 5292947 | 0.80 | 0.9179 | 116.2 | 116.2 | 0.3226 | 0.3226 | | |
| PCB-41 (C40) | 26:58 | 5292947 | 0.80 | 0.9179 | 116.2 | 116.2 | 0.3226 | 0.3226 | | |
| PCB-71 (C40) | 26:58 | 5292947 | 0.80 | 0.9179 | 116.2 | 116.2 | 0.3226 | 0.3226 | | |
| PCB-64 | 27:11 | 4521807 | 0.79 | 1.4164 | 64.4 | 64.4 | 0.2091 | 0.2091 | | |
| PCB-72 | 28:01 | 1105961 | 0.80 | 1.3157 | 16.9 | 16.9 | 0.2251 | 0.2251 | | |
| PCB-68 | 28:19 | 754808 | 0.78 | 1.4782 | 10.3 | 10.3 | 0.2003 | 0.2003 | | |
| PCB-57 | 28:44 | | | | | | 0.2310 | 0.2310 | | |
| PCB-58 | 28:59 | 128387 | 0.79 | 1.3214 | 1.959 | 1.959 | 0.2241 | 0.2241 | | Ma |
| PCB-67 | 29:12 | 70889 | 0.71 | 1.3944 | 1.025 | 1.025 | 0.2124 | 0.2124 | | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:24 | 534616 | 0.79 | 1.4685 | 7.339 | 7.339 | 0.2017 | 0.2017 | | |
| PCB-61 | 29:44 | 26512166 | 0.80 | 1.3565 | 394.0 | 394.0 | 0.2183 | 0.2183 | | |
| PCB-70 (C61) | 29:44 | 26512166 | 0.80 | 1.3565 | 394.0 | 394.0 | 0.2183 | 0.2183 | | |
| PCB-74 (C61) | 29:44 | 26512166 | 0.80 | 1.3565 | 394.0 | 394.0 | 0.2183 | 0.2183 | | |
| PCB-76 (C61) | 29:44 | 26512166 | 0.80 | 1.3565 | 394.0 | 394.0 | 0.2183 | 0.2183 | | |
| PCB-66 | 30:04 | 11879812 | 0.80 | 1.2800 | 187.1 | 187.1 | 0.2313 | 0.2313 | | |
| PCB-55 | 30:14 | | | | | | 0.2286 | 0.2286 | | |
| PCB-56 | 30:44 | 3789464 | 0.79 | 1.2671 | 60.3 | 60.3 | 0.2337 | 0.2337 | | |
| PCB-60 | 30:57 | 768437 | 0.80 | 1.3288 | 11.7 | 11.7 | 0.2228 | 0.2228 | | |
| PCB-80 | 31:22 | | | | | | 0.2015 | 0.2015 | | |
| PCB-79 | 32:54 | 771491 | 0.77 | 1.5421 | 10.1 | 10.1 | 0.1920 | 0.1920 | | |
| PCB-78 | 33:27 | | | | | | 0.2252 | 0.2252 | | |
| PCB-81 | 33:52 | 26562 | 0.84 | 1.3214 | 0.4242 | 0.4242 | 0.2296 | 0.2296 | | Ma |
| PCB-77 | 34:27 | 724257 | 0.80 | 1.3308 | 10.5 | 10.5 | 0.2173 | 0.2173 | | |
| S Total Pentachlorobiphen | | | | | 5655.9 | 5655.9 | 0.2002 | 0.2002 | | |
| D PCB-104L | 25:52 | 682518 | 1.61 | 1.1164 | 20.2 | 20.2 | 0.0337 | 0.0337 | 101 | |
| * PCB-101L | 31:47 | 604405 | 1.61 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:29 | 778613 | 1.69 | 1.2177 | 21.2 | 21.2 | 0.0309 | 0.0309 | 106 | |
| D PCB-123L | 36:26 | 992335 | 1.64 | 0.9909 | 17.1 | 17.1 | 0.2479 | 0.2479 | 85.60 | |
| D PCB-118L | 36:46 | 1057385 | 1.62 | 1.0256 | 17.6 | 17.6 | 0.2396 | 0.2396 | 88.13 | |
| D PCB-114L | 37:18 | 998241 | 1.61 | 1.0030 | 17.0 | 17.0 | 0.2449 | 0.2449 | 85.07 | |
| D PCB-105L | 37:56 | 993703 | 1.57 | 1.0013 | 17.0 | 17.0 | 0.2454 | 0.2454 | 84.83 | |
| * PCB-127L | 39:26 | 1169868 | 1.55 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 41:02 | 1028776 | 1.56 | 0.9020 | 19.5 | 19.5 | 0.2724 | 0.2724 | 97.49 | |
| PCB-104 | 25:55 | | | | | | 0.0229 | 0.0229 | | |
| PCB-96 | 26:15 | 405207 | 1.65 | 1.2268 | 9.679 | 9.679 | 0.0260 | 0.0260 | | |
| PCB-103 | 28:12 | 1825081 | 1.59 | 1.0331 | 51.8 | 51.8 | 0.0309 | 0.0309 | | |
| PCB-94 | 28:26 | 506624 | 1.58 | 0.9036 | 16.4 | 16.4 | 0.0354 | 0.0354 | | |
| PCB-95 | 28:52 | 24436381 | 1.57 | 0.9620 | 744.3 | 744.3 | 0.0332 | 0.0332 | | |
| PCB-93 | 29:05 | 1460856 | 1.62 | 0.9806 | 43.7 | 43.7 | 0.0326 | 0.0326 | | |
| PCB-100 (C93) | 29:05 | 1460856 | 1.62 | 0.9806 | 43.7 | 43.7 | 0.0326 | 0.0326 | | |
| PCB-98 | 29:14 | 1845246 | 1.61 | 0.9888 | 54.7 | 54.7 | 0.0323 | 0.0323 | | |
| PCB-102 (C98) | 29:14 | 1845246 | 1.61 | 0.9888 | 54.7 | 54.7 | 0.0323 | 0.0323 | | |
| PCB-88 | 29:44 | 5696375 | 1.58 | 1.0052 | 166.1 | 166.1 | 0.0318 | 0.0318 | | |
| PCB-91 (C88) | 29:44 | 5696375 | 1.58 | 1.0052 | 166.1 | 166.1 | 0.0318 | 0.0318 | | |
| PCB-84 | 29:57 | 5597429 | 1.59 | 0.8601 | 190.7 | 190.7 | 0.0371 | 0.0371 | | |
| PCB-89 | 30:27 | | | | | | 0.0357 | 0.0357 | | |
| PCB-121 | 30:52 | | | | | | 0.0229 | 0.0229 | | |
| PCB-92 | 31:14 | 8989101 | 1.57 | 0.9532 | 276.3 | 276.3 | 0.0335 | 0.0335 | | |
| PCB-90 | 31:49 | 37576676 | 1.60 | 1.1367 | 968.7 | 968.7 | 0.0281 | 0.0281 | | |
| PCB-101 (C90) | 31:49 | 37576676 | 1.60 | 1.1367 | 968.7 | 968.7 | 0.0281 | 0.0281 | | |
| PCB-113 (C90) | 31:49 | 37576676 | 1.60 | 1.1367 | 968.7 | 968.7 | 0.0281 | 0.0281 | | |
| PCB-83 | 32:24 | 21399039 | 1.54 | 0.9393 | 667.6 | 667.6 | 0.0340 | 0.0340 | | Ma |
| PCB-99 (C83) | 32:24 | 21399039 | 1.54 | 0.9393 | 667.6 | 667.6 | 0.0340 | 0.0340 | | Ma |
| PCB-112 | 32:31 | | | | | | 0.0234 | 0.0234 | | |
| PCB-86 | 32:54 | 20441502 | 1.57 | 1.1958 | 500.9 | 500.9 | 0.0267 | 0.0267 | | M |
| PCB-87 (C86) | 32:54 | 20441502 | 1.57 | 1.1958 | 500.9 | 500.9 | 0.0267 | 0.0267 | | M |
| PCB-97 (C86) | 32:54 | 20441502 | 1.57 | 1.1958 | 500.9 | 500.9 | 0.0267 | 0.0267 | | M |
| PCB-109 (C86) | 32:54 | 20441502 | 1.57 | 1.1958 | 500.9 | 500.9 | 0.0267 | 0.0267 | | M |
| PCB-119 (C86) | 32:54 | 20441502 | 1.57 | 1.1958 | 500.9 | 500.9 | 0.0267 | 0.0267 | | M |
| PCB-125 (C86) | 32:54 | 20441502 | 1.57 | 1.1958 | 500.9 | 500.9 | 0.0267 | 0.0267 | | M |
| PCB-85 | 33:37 | 4438453 | 1.60 | 1.2126 | 107.3 | 107.3 | 0.0263 | 0.0263 | | |
| PCB-116 (C85) | 33:37 | 4438453 | 1.60 | 1.2126 | 107.3 | 107.3 | 0.0263 | 0.0263 | | |
| PCB-117 (C85) | 33:37 | 4438453 | 1.60 | 1.2126 | 107.3 | 107.3 | 0.0263 | 0.0263 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:47 | 40215937 | 1.59 | 1.3511 | 872.2 | 872.2 | 0.0236 | 0.0236 | | |
| PCB-115 (C110) | 33:47 | 40215937 | 1.59 | 1.3511 | 872.2 | 872.2 | 0.0236 | 0.0236 | | |
| PCB-82 | 34:05 | 2171318 | 1.58 | 0.8675 | 73.3 | 73.3 | 0.0368 | 0.0368 | | |
| PCB-111 | 34:31 | 259136 | 1.53 | 1.4262 | 5.324 | 5.324 | 0.0224 | 0.0224 | | |
| PCB-120 | 34:58 | 975480 | 1.62 | 1.4907 | 19.2 | 19.2 | 0.0214 | 0.0214 | | |
| PCB-108 | 36:06 | 1440478 | 1.62 | 1.2547 | 22.6 | 22.6 | 0.5777 | 0.5777 | | |
| PCB-124 (C108) | 36:06 | 1440478 | 1.62 | 1.2547 | 22.6 | 22.6 | 0.5777 | 0.5777 | | |
| PCB-107 | 36:21 | 4521602 | 1.60 | 1.3580 | 65.7 | 65.7 | 0.5337 | 0.5337 | | |
| PCB-123 | 36:28 | 473560 | 1.63 | 1.3407 | 7.119 | 7.119 | 0.5467 | 0.5467 | | |
| PCB-106 | 36:34 | | | | | | 0.5685 | 0.5685 | | |
| PCB-118 | 36:47 | 39326207 | 1.59 | 1.2892 | 577.0 | 577.0 | 0.5503 | 0.5503 | | |
| PCB-122 | 37:08 | 413491 | 1.58 | 1.1614 | 7.022 | 7.022 | 0.6241 | 0.6241 | | |
| PCB-114 | 37:19 | 742466 | 1.65 | 1.4051 | 10.6 | 10.6 | 0.5091 | 0.5091 | | M |
| PCB-105 | 37:58 | 12511456 | 1.58 | 1.2887 | 195.4 | 195.4 | 0.5644 | 0.5644 | | |
| PCB-127 | 39:30 | 79852 | 1.37 | 1.2841 | 1.226 | 1.226 | 0.5644 | 0.5644 | | Ma |
| PCB-126 | 41:04 | 74739 | 1.62 | 1.3416 | 1.083 | 1.083 | 0.5514 | 0.5514 | | M |
| S Total Hexachlorobipheny | | | | | 5674.5 | 5674.5 | 0.1209 | 0.1209 | | |
| D PCB-155L | 31:34 | 582809 | 1.25 | 0.9499 | 20.3 | 20.3 | 0.0564 | 0.0564 | 102 | |
| * PCB-138L | 39:54 | 856374 | 1.24 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:54 | 925374 | 1.28 | 1.2544 | 17.2 | 17.2 | 0.0920 | 0.0920 | 86.14 | |
| D PCB-156L | 44:04 | 1789510 | 1.26 | 1.2289 | 34.0 | 34.0 | 0.0939 | 0.0939 | 85.02 | |
| D PCB-157L (C156L) | 44:04 | 1789510 | 1.26 | 1.2289 | 34.0 | 34.0 | 0.0939 | 0.0939 | 85.02 | |
| D PCB-169L | 47:18 | 931529 | 1.26 | 1.0883 | 20.0 | 20.0 | 0.1061 | 0.1061 | 99.95 | |
| PCB-155 | 31:35 | 26904 | 1.32 | 1.3028 | 0.7087 | 0.7087 | 0.0137 | 0.0137 | | |
| PCB-152 | 31:46 | 84507 | 1.38 | 1.2556 | 2.310 | 2.310 | 0.0142 | 0.0142 | | |
| PCB-150 | 31:56 | 561443 | 1.30 | 1.2368 | 15.6 | 15.6 | 0.0144 | 0.0144 | | |
| PCB-136 | 32:18 | 7458196 | 1.27 | 1.1563 | 221.3 | 221.3 | 0.0154 | 0.0154 | | |
| PCB-145 | 32:35 | 31135 | 1.22 | 1.1910 | 0.8971 | 0.8971 | 0.0149 | 0.0149 | | |
| PCB-148 | 34:08 | 477070 | 1.22 | 0.8982 | 18.2 | 18.2 | 0.0198 | 0.0198 | | |
| PCB-135 | 34:42 | 16162399 | 1.27 | 0.8691 | 638.2 | 638.2 | 0.0205 | 0.0205 | | |
| PCB-151 (C135) | 34:42 | 16162399 | 1.27 | 0.8691 | 638.2 | 638.2 | 0.0205 | 0.0205 | | |
| PCB-154 | 34:59 | 3138113 | 1.29 | 1.0180 | 105.8 | 105.8 | 0.0175 | 0.0175 | | |
| PCB-144 | 35:17 | 1297838 | 1.31 | 0.9185 | 48.5 | 48.5 | 0.0194 | 0.0194 | | |
| PCB-147 | 35:39 | 51146858 | 1.26 | 0.9747 | 1151.3 | 1151.3 | 0.1775 | 0.1775 | | |
| PCB-149 (C147) | 35:39 | 51146858 | 1.26 | 0.9747 | 1151.3 | 1151.3 | 0.1775 | 0.1775 | | |
| PCB-134 | 35:51 | 2720591 | 1.29 | 0.8518 | 70.1 | 70.1 | 0.2031 | 0.2031 | | |
| PCB-143 (C134) | 35:51 | 2720591 | 1.29 | 0.8518 | 70.1 | 70.1 | 0.2031 | 0.2031 | | |
| PCB-139 | 36:15 | 1595172 | 1.26 | 0.9995 | 35.0 | 35.0 | 0.1731 | 0.1731 | | |
| PCB-140 (C139) | 36:15 | 1595172 | 1.26 | 0.9995 | 35.0 | 35.0 | 0.1731 | 0.1731 | | |
| PCB-131 | 36:27 | 473043 | 1.19 | 0.8584 | 12.1 | 12.1 | 0.2015 | 0.2015 | | |
| PCB-142 | 36:36 | | | | | | 0.2012 | 0.2012 | | |
| PCB-132 | 36:54 | 14730800 | 1.26 | 0.8801 | 367.2 | 367.2 | 0.1966 | 0.1966 | | |
| PCB-133 | 37:25 | 1841970 | 1.25 | 0.9064 | 44.6 | 44.6 | 0.1909 | 0.1909 | | |
| PCB-165 | 37:49 | | | | | | 0.1543 | 0.1543 | | |
| PCB-146 | 38:04 | 15549691 | 1.24 | 1.0084 | 338.3 | 338.3 | 0.1716 | 0.1716 | | |
| PCB-161 | 38:12 | | | | | | 0.1294 | 0.1294 | | |
| PCB-153 | 38:41 | 55781854 | 1.26 | 1.2207 | 1002.6 | 1002.6 | 0.1417 | 0.1417 | | |
| PCB-168 (C153) | 38:41 | 55781854 | 1.26 | 1.2207 | 1002.6 | 1002.6 | 0.1417 | 0.1417 | | |
| PCB-141 | 38:52 | 6807888 | 1.25 | 0.9608 | 155.5 | 155.5 | 0.1801 | 0.1801 | | |
| PCB-130 | 39:16 | 2655551 | 1.25 | 0.8274 | 70.4 | 70.4 | 0.2091 | 0.2091 | | |
| PCB-137 | 39:30 | 1587657 | 1.27 | 1.0582 | 32.9 | 32.9 | 0.1635 | 0.1635 | | |
| PCB-164 | 39:37 | 4157612 | 1.25 | 1.2527 | 72.8 | 72.8 | 0.1381 | 0.1381 | | |
| PCB-129 | 39:55 | 45889066 | 1.25 | 1.0840 | 928.8 | 928.8 | 0.1596 | 0.1596 | | |
| PCB-138 (C129) | 39:55 | 45889066 | 1.25 | 1.0840 | 928.8 | 928.8 | 0.1596 | 0.1596 | | |
| PCB-160 (C129) | 39:55 | 45889066 | 1.25 | 1.0840 | 928.8 | 928.8 | 0.1596 | 0.1596 | | |
| PCB-163 (C129) | 39:55 | 45889066 | 1.25 | 1.0840 | 928.8 | 928.8 | 0.1596 | 0.1596 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:19 | 5189790 | 1.25 | 1.3862 | 82.1 | 82.1 | 0.1248 | 0.1248 | | |
| PCB-128 | 41:11 | 6271648 | 1.29 | 1.1165 | 123.2 | 123.2 | 0.1549 | 0.1549 | | M |
| PCB-166 (C128) | 41:11 | 6271648 | 1.29 | 1.1165 | 123.2 | 123.2 | 0.1549 | 0.1549 | | M |
| PCB-159 | 42:08 | 594916 | 1.27 | 1.3178 | 9.904 | 9.904 | 0.1313 | 0.1313 | | |
| PCB-162 | 42:27 | | | | | | 0.1270 | 0.1270 | | |
| PCB-167 | 42:56 | 1812246 | 1.24 | 1.3357 | 29.3 | 29.3 | 0.1080 | 0.1080 | | |
| PCB-156 | 44:03 | 5525977 | 1.26 | 1.2759 | 96.8 | 96.8 | 0.1692 | 0.1692 | | |
| PCB-157 (C156) | 44:03 | 5525977 | 1.26 | 1.2759 | 96.8 | 96.8 | 0.1692 | 0.1692 | | |
| PCB-169 | 47:19 | | | | | | 0.1126 | 0.1126 | | |
| S Total Heptachlorobiphen | | | | | 2648.7 | 2648.7 | 0.0186 | 0.0186 | | |
| D PCB-188L | 37:18 | 778460 | 1.05 | 1.3162 | 16.5 | 16.5 | 0.0181 | 0.0181 | 82.63 | |
| $ PCB-178L | 40:21 | 623528 | 1.05 | 0.9222 | 18.9 | 18.9 | 0.0258 | 0.0258 | 94.46 | |
| * PCB-180L | 45:27 | 715797 | 1.17 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:42 | 489812 | 1.13 | 0.8357 | 16.4 | 16.4 | 0.0285 | 0.0285 | 81.88 | |
| D PCB-189L | 49:50 | 1011222 | 1.08 | 1.4666 | 16.2 | 16.2 | 0.2713 | 0.2713 | 80.91 | |
| PCB-188 | 37:19 | 118337 | 1.04 | 1.2502 | 2.432 | 2.432 | 0.009720 | 0.009720 | | |
| PCB-179 | 37:40 | 8064760 | 1.04 | 1.4149 | 179.8 | 179.8 | 0.0109 | 0.0109 | | |
| PCB-184 | 38:12 | | | | | | 0.0109 | 0.0109 | | |
| PCB-176 | 38:32 | 2155963 | 1.04 | 1.5212 | 44.7 | 44.7 | 0.0101 | 0.0101 | | |
| PCB-186 | 39:00 | | | | | | 0.0107 | 0.0107 | | |
| PCB-178 | 40:23 | 2856680 | 1.06 | 1.0228 | 88.1 | 88.1 | 0.0151 | 0.0151 | | |
| PCB-175 | 41:01 | 466254 | 1.08 | 1.0690 | 13.8 | 13.8 | 0.0144 | 0.0144 | | |
| PCB-187 | 41:18 | 16134164 | 1.05 | 1.1106 | 458.2 | 458.2 | 0.0139 | 0.0139 | | |
| PCB-182 | 41:29 | 191199 | 0.99 | 1.1484 | 5.251 | 5.251 | 0.0134 | 0.0134 | | |
| PCB-183 | 41:54 | 7462290 | 1.04 | 1.1368 | 207.0 | 207.0 | 0.0136 | 0.0136 | | |
| PCB-185 (C183) | 41:54 | 7462290 | 1.04 | 1.1368 | 207.0 | 207.0 | 0.0136 | 0.0136 | | |
| PCB-174 | 42:08 | 9638489 | 1.05 | 0.9547 | 318.4 | 318.4 | 0.0161 | 0.0161 | | |
| PCB-177 | 42:35 | 6815701 | 1.06 | 0.9426 | 228.1 | 228.1 | 0.0164 | 0.0164 | | |
| PCB-181 | 42:58 | | | | | | 0.0139 | 0.0139 | | |
| PCB-171 | 43:12 | 2990082 | 1.05 | 0.9603 | 98.2 | 98.2 | 0.0161 | 0.0161 | | |
| PCB-173 (C171) | 43:12 | 2990082 | 1.05 | 0.9603 | 98.2 | 98.2 | 0.0161 | 0.0161 | | |
| PCB-172 | 44:50 | 1563584 | 1.06 | 0.9918 | 49.7 | 49.7 | 0.0155 | 0.0155 | | |
| PCB-192 | 45:06 | | | | | | 0.0119 | 0.0119 | | |
| PCB-180 | 45:29 | 23594276 | 1.04 | 1.2286 | 605.7 | 605.7 | 0.0125 | 0.0125 | | a |
| PCB-193 (C180) | 45:29 | 23594276 | 1.04 | 1.2286 | 605.7 | 605.7 | 0.0125 | 0.0125 | | a |
| PCB-191 | 45:50 | 548732 | 1.07 | 1.3848 | 12.5 | 12.5 | 0.0111 | 0.0111 | | |
| PCB-170 | 46:44 | 8412663 | 1.05 | 1.2700 | 270.5 | 270.5 | 0.0166 | 0.0166 | | |
| PCB-190 | 47:16 | 2466870 | 1.04 | 1.3774 | 56.5 | 56.5 | 0.0112 | 0.0112 | | |
| PCB-189 | 49:51 | 646661 | 1.07 | 1.2799 | 10.0 | 10.0 | 0.1258 | 0.1258 | | |
| S Total Octachlorobipheny | | | | | 592.4 | 592.4 | 0.0411 | 0.0411 | | |
| D PCB-202L | 42:41 | 652511 | 0.84 | 1.0055 | 18.1 | 18.1 | 0.0390 | 0.0390 | 90.66 | |
| * PCB-194L | 51:56 | 852133 | 0.89 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:25 | 861955 | 0.90 | 1.2867 | 15.7 | 15.7 | 0.1533 | 0.1533 | 78.61 | |
| PCB-202 | 42:42 | 1050688 | 0.91 | 1.0531 | 30.6 | 30.6 | 0.0164 | 0.0164 | | |
| PCB-201 | 43:37 | 775925 | 0.90 | 1.1860 | 20.1 | 20.1 | 0.0146 | 0.0146 | | |
| PCB-204 | 44:18 | | | | | | 0.0157 | 0.0157 | | |
| PCB-197 | 44:31 | 233590 | 0.87 | 1.2053 | 5.940 | 5.940 | 0.0143 | 0.0143 | | |
| PCB-200 | 44:38 | 683945 | 0.91 | 1.1260 | 18.6 | 18.6 | 0.0153 | 0.0153 | | |
| PCB-198 | 47:27 | 3998430 | 0.91 | 0.8183 | 149.8 | 149.8 | 0.0211 | 0.0211 | | |
| PCB-199 (C198) | 47:27 | 3998430 | 0.91 | 0.8183 | 149.8 | 149.8 | 0.0211 | 0.0211 | | |
| PCB-196 | 48:06 | 2090800 | 0.92 | 0.8748 | 73.3 | 73.3 | 0.0198 | 0.0198 | | |
| PCB-203 | 48:18 | 2735767 | 0.91 | 0.9219 | 91.0 | 91.0 | 0.0187 | 0.0187 | | |
| PCB-195 | 49:37 | 2034532 | 0.90 | 0.7839 | 60.2 | 60.2 | 0.1274 | 0.1274 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:58 | 5441616 | 0.91 | 0.9282 | 136.0 | 136.0 | 0.1076 | 0.1076 | | |
| PCB-205 | 52:26 | 368474 | 0.89 | 1.2342 | 6.927 | 6.927 | 0.0809 | 0.0809 | | |
| S Total Nonachlorobipheny | | | | | 68.5 | 68.5 | 0.1728 | 0.1728 | | |
| D PCB-208L | 49:21 | 746257 | 0.87 | 1.1383 | 15.4 | 15.4 | 0.2225 | 0.2225 | 76.94 | |
| D PCB-206L | 54:10 | 544448 | 0.81 | 0.8938 | 14.3 | 14.3 | 0.2833 | 0.2833 | 71.48 | |
| PCB-208 | 49:23 | 537510 | 0.79 | 1.1567 | 12.5 | 12.5 | 0.1612 | 0.1612 | | |
| PCB-207 | 50:19 | 283185 | 0.79 | 1.3964 | 6.285 | 6.285 | 0.1517 | 0.1517 | | |
| PCB-206 | 54:11 | 1614564 | 0.79 | 1.1927 | 49.7 | 49.7 | 0.2055 | 0.2055 | | |
| D PCB-209L | 55:49 | 587826 | 0.70 | 0.9809 | 14.1 | 14.1 | 0.0580 | 0.0580 | 70.33 | |
| DCB Decachlorobiphenyl | 55:51 | 892019 | 0.70 | 1.2455 | 24.4 | 24.4 | 0.0393 | 0.0393 | | |
| S Polychlorinated bipheny | | | | | 17642 | 24.4 | 0.1406 | 0.1406 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d
Lims ID: 580-88908-A-26-F
Client ID: J5-SC1b-20to30-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 04:06:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013345-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 20:51:10 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0304

First Level Reviewer: mcwhirterl Date: 10-Oct-2019 20:51:10

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:45 | 11:45 | -2 | 0.728 | 541571 | 219186 | 290 | 725 | 756 | | |
| 202.0766 | 11:45 | 11:45 | -2 | 0.728 | 180692 | 67157 | 1709 | 4272 | 39 | 3.00(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:54 | -1 | 0.862 | 632273 | 217384 | 290 | 725 | 750 | | |
| 202.0766 | 13:55 | 13:54 | -1 | 0.862 | 187931 | 64152 | 1709 | 4272 | 38 | 3.36(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:45 | 11:44 | -2 | 1.001 | 549199 | 222031 | 502 | 1255 | 442 | | |
| 190.0363 | 11:45 | 11:44 | -2 | 1.001 | 172159 | 68939 | 129 | 322 | 534 | 3.19(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | 13:44 | -2 | 0.988 | 58016 | 19500 | 502 | 1255 | 39 | | |
| 190.0363 | 13:45 | 13:44 | -2 | 0.988 | 18051 | 5817 | 129 | 322 | 45 | 3.21(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | 13:54 | -1 | 1.001 | 276365 | 94017 | 502 | 1255 | 187 | | |
| 190.0363 | 13:56 | 13:54 | -1 | 1.001 | 90064 | 30740 | 129 | 322 | 238 | 3.07(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:10 | -2 | 0.878 | 252863 | 85072 | 397 | 992 | 214 | | |
| 236.0376 | 14:10 | 14:10 | -2 | 0.878 | 145808 | 48169 | 107 | 267 | 450 | 1.73(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:08 | 16:09 | -1 | | 515639 | 155053 | 397 | 992 | 391 | | |
| 236.0376 | 16:08 | 16:09 | -1 | | 308141 | 99005 | 107 | 267 | 925 | 1.67(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:03 | 20:02 | -1 | 1.243 | 482228 | 116509 | 397 | 992 | 293 | | |
| 236.0376 | 20:03 | 20:02 | -1 | 1.243 | 299529 | 75569 | 107 | 267 | 706 | 1.61(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:10 | 14:09 | -2 | 1.001 | 181734 | 61287 | 98 | 245 | 625 | | |
| 223.9974 | 14:10 | 14:09 | -2 | 1.001 | 112814 | 37923 | 118 | 295 | 321 | 1.61(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:21 | 14:19 | -1 | 1.014 | 20345 | 6280 | 98 | 245 | 64 | | |
| 223.9974 | 14:21 | 14:19 | -2 | 1.013 | 11708 | 3365 | 118 | 295 | 29 | 1.74(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:09 | 16:07 | -2 | 1.140 | 71100 | 21845 | 98 | 245 | 223 | | |
| 223.9974 | 16:09 | 16:07 | -2 | 1.140 | 45112 | 13916 | 118 | 295 | 118 | 1.58(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:19 | 16:16 | -1 | 1.152 | 59812 | 18033 | 98 | 245 | 184 | | |
| 223.9974 | 16:19 | 16:16 | -1 | 1.152 | 38556 | 11201 | 118 | 295 | 95 | 1.55(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:33 | 16:31 | -2 | 1.169 | 249440 | 75397 | 98 | 245 | 769 | | |
| 223.9974 | 16:33 | 16:31 | -2 | 1.169 | 152679 | 44998 | 118 | 295 | 381 | 1.63(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:52 | 16:49 | -1 | 1.191 | 25841 | 6866 | 98 | 245 | 70 | | |
| 223.9974 | 16:51 | 16:49 | -2 | 1.190 | 14793 | 3671 | 118 | 295 | 31 | 1.75(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:59 | 16:57 | -2 | 1.199 | 926984 | 270943 | 98 | 245 | 2765 | | |
| 223.9974 | 16:59 | 16:57 | -2 | 1.199 | 572667 | 170992 | 118 | 295 | 1449 | 1.62(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | | | | | | 98 | 245 | | | |
| 223.9974 | 18:37 | | | | | | 118 | 295 | | | |
| PCB-11 | | | | | | | | | | | RQ |
| 222.0003 | 19:27 | 19:28 | -1 | 0.970 | 25482 | 6178 | 98 | 245 | 63 | | |
| | Empc Correction | | | | 21627 | 5644 | 98 | 245 | 58 | | |
| 223.9974 | 19:27 | 19:28 | -1 | 0.970 | 13864 | 3618 | 118 | 295 | 31 | 1.84(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:47 | -3 | 0.984 | 95007 | 19260 | 98 | 245 | 197 | | |
| 223.9974 | 19:45 | 19:47 | -3 | 0.984 | 60450 | 11547 | 118 | 295 | 98 | 1.57(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:47 | -3 | 0.984 | 95007 | 19260 | 98 | 245 | 197 | | |
| 223.9974 | 19:45 | 19:47 | -3 | 0.984 | 60450 | 11547 | 118 | 295 | 98 | 1.57(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:04 | 20:05 | -1 | 1.001 | 381158 | 93663 | 98 | 245 | 956 | | |
| 223.9974 | 20:04 | 20:05 | -1 | 1.001 | 235711 | 57874 | 118 | 295 | 490 | 1.62(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:16 | 17:17 | -1 | 0.842 | 130854 | 35166 | 633 | 1582 | 56 | | |
| 269.9986 | 17:16 | 17:17 | -2 | 0.841 | 114242 | 34153 | 348 | 870 | 98 | 1.15(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:33 | -2 | | 318639 | 77138 | 633 | 1582 | 122 | | |
| 269.9986 | 20:32 | 20:33 | -1 | | 287844 | 70305 | 348 | 870 | 202 | 1.11(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:48 | 22:49 | -1 | | 849663 | 212489 | 700 | 1750 | 304 | | |
| 269.9986 | 22:48 | 22:49 | -1 | | 800784 | 197476 | 317 | 792 | 623 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:05 | 23:06 | -1 | 1.013 | 785797 | 195140 | 700 | 1750 | 279 | | |
| 269.9986 | 23:05 | 23:06 | -1 | 1.013 | 700254 | 169392 | 317 | 792 | 534 | 1.12(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:06 | 27:06 | -1 | 1.189 | 699757 | 155736 | 700 | 1750 | 222 | | |
| 269.9986 | 27:06 | 27:06 | -1 | 1.189 | 625019 | 139307 | 317 | 792 | 439 | 1.12(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:17 | 17:17 | -2 | 1.001 | 42793 | 12453 | 30 | 75 | 415 | | |
| 257.9584 | 17:17 | 17:17 | -2 | 1.001 | 38466 | 10783 | 49 | 122 | 220 | 1.11(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:08 | 0 | 1.109 | 642619 | 172886 | 30 | 75 | 5763 | | |
| 257.9584 | 19:09 | 19:08 | 0 | 1.109 | 602314 | 164965 | 49 | 122 | 3367 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:08 | 0 | 1.109 | 642619 | 172886 | 30 | 75 | 5763 | | |
| 257.9584 | 19:09 | 19:08 | 0 | 1.109 | 602314 | 164965 | 49 | 122 | 3367 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:34 | 19:34 | -1 | 1.133 | 358025 | 97283 | 30 | 75 | 3243 | | |
| 257.9584 | 19:34 | 19:34 | -1 | 1.133 | 329614 | 85161 | 49 | 122 | 1738 | 1.09(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:47 | 19:47 | -2 | 1.145 | 61503 | 15957 | 30 | 75 | 532 | | |
| 257.9584 | 19:47 | 19:47 | -2 | 1.145 | 56518 | 14617 | 49 | 122 | 298 | 1.09(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:55 | 19:55 | -2 | 1.153 | 7806 | 2236 | 30 | 75 | 75 | | |
| 257.9584 | 19:55 | 19:55 | -2 | 1.153 | 8769 | 2228 | 49 | 122 | 45 | 0.89(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:02 | 20:01 | -1 | 1.160 | 195159 | 51723 | 30 | 75 | 1724 | | |
| 257.9584 | 20:02 | 20:01 | -1 | 1.160 | 179499 | 45813 | 49 | 122 | 935 | 1.09(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:32 | 20:32 | -2 | 1.189 | 385039 | 98290 | 30 | 75 | 3276 | | |
| 257.9584 | 20:32 | 20:32 | -2 | 1.189 | 364370 | 91046 | 49 | 122 | 1858 | 1.06(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:49 | 21:48 | -1 | 1.263 | 53532 | 13755 | 2345 | 5862 | 6 | | |
| 257.9584 | 21:49 | 21:48 | -1 | 1.263 | 50533 | 12586 | 2061 | 5152 | 6 | 1.06(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | | | | | | 2345 | 5862 | | | |
| 257.9584 | 21:58 | | | | | | 2061 | 5152 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:16 | 22:16 | -2 | 1.289 | 866654 | 209334 | 2345 | 5862 | 89 | | |
| 257.9584 | 22:16 | 22:16 | -2 | 1.289 | 790534 | 196454 | 2061 | 5152 | 95 | 1.10(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:16 | 22:16 | -2 | 1.289 | 866654 | 209334 | 2345 | 5862 | 89 | | |
| 257.9584 | 22:16 | 22:16 | -2 | 1.289 | 790534 | 196454 | 2061 | 5152 | 95 | 1.10(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:32 | -1 | 0.830 | 502393 | 116266 | 2345 | 5862 | 50 | | |
| 257.9584 | 22:30 | 22:32 | -1 | 0.830 | 469424 | 108888 | 2061 | 5152 | 53 | 1.07(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:49 | 22:51 | -1 | 0.842 | 3339549 | 807552 | 2345 | 5862 | 344 | | |
| 257.9584 | 22:48 | 22:51 | -2 | 0.842 | 3124925 | 760382 | 2061 | 5152 | 369 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:09 | -2 | 0.853 | 4345536 | 1022589 | 2345 | 5862 | 436 | | |
| 257.9584 | 23:07 | 23:09 | -2 | 0.853 | 4092785 | 962341 | 2061 | 5152 | 467 | 1.06(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:09 | -2 | 0.853 | 4345536 | 1022589 | 2345 | 5862 | 436 | | |
| 257.9584 | 23:07 | 23:09 | -2 | 0.853 | 4092785 | 962341 | 2061 | 5152 | 467 | 1.06(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:23 | -1 | 0.862 | 2034726 | 444606 | 2345 | 5862 | 190 | | |
| 257.9584 | 23:21 | 23:23 | -1 | 0.862 | 1867304 | 413582 | 2061 | 5152 | 201 | 1.09(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:23 | -1 | 0.862 | 2034726 | 444606 | 2345 | 5862 | 190 | | |
| 257.9584 | 23:21 | 23:23 | -1 | 0.862 | 1867304 | 413582 | 2061 | 5152 | 201 | 1.09(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:46 | -2 | 0.876 | 966922 | 229918 | 2345 | 5862 | 98 | | |
| 257.9584 | 23:44 | 23:46 | -2 | 0.876 | 906893 | 212676 | 2061 | 5152 | 103 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:18 | | | | | | 2345 | 5862 | | | |
| 257.9584 | 25:18 | | | | | | 2061 | 5152 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:40 | 25:41 | 0 | 0.947 | 80366 | 15997 | 2345 | 5862 | 7 | | |
| 257.9584 | 25:40 | 25:41 | 0 | 0.947 | 77447 | 14599 | 2061 | 5152 | 7 | 1.04(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:14 | | | | | | 2345 | 5862 | | | |
| 257.9584 | 26:14 | | | | | | 2061 | 5152 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:43 | 26:44 | -1 | 0.986 | 55854 | 12782 | 2345 | 5862 | 5 | | |
| 257.9584 | 26:43 | 26:44 | -1 | 0.986 | 48805 | 11730 | 2061 | 5152 | 6 | 1.14(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:07 | 27:08 | 0 | 1.001 | 805479 | 172652 | 2345 | 5862 | 74 | | |
| 257.9584 | 27:07 | 27:08 | 0 | 1.001 | 743320 | 159840 | 2061 | 5152 | 78 | 1.08(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:23 | -2 | 0.816 | 125634 | 31074 | 182 | 455 | 171 | | |
| 303.9597 | 20:21 | 20:23 | -2 | 0.816 | 156547 | 37782 | 6 | 15 | 6297 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:55 | 24:56 | -1 | | 391402 | 89977 | 96 | 240 | 937 | | |
| 303.9597 | 24:55 | 24:56 | -1 | | 478029 | 108136 | 143 | 357 | 756 | 0.82(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:52 | 33:52 | 0 | 1.359 | 415868 | 91109 | 96 | 240 | 949 | | |
| 303.9597 | 33:52 | 33:52 | 0 | 1.359 | 531802 | 110695 | 143 | 357 | 774 | 0.78(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:25 | 34:27 | -1 | 1.381 | 458736 | 94207 | 96 | 240 | 981 | | |
| 303.9597 | 34:25 | 34:27 | -1 | 1.381 | 577862 | 117606 | 143 | 357 | 822 | 0.79(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:22 | 20:24 | -2 | 1.000 | 49337 | 12820 | 21 | 52 | 610 | | |
| 291.9194 | 20:22 | 20:24 | -2 | 1.000 | 62275 | 16394 | 22 | 55 | 745 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:34 | -2 | 1.108 | 1091989 | 267468 | 651 | 1627 | 411 | | |
| 291.9194 | 22:32 | 22:34 | -2 | 1.108 | 1363748 | 330272 | 574 | 1435 | 575 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:34 | -2 | 1.108 | 1091989 | 267468 | 651 | 1627 | 411 | | |
| 291.9194 | 22:32 | 22:34 | -2 | 1.108 | 1363748 | 330272 | 574 | 1435 | 575 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:17 | 23:18 | -2 | 1.144 | 1723192 | 354387 | 651 | 1627 | 544 | | |
| 291.9194 | 23:17 | 23:18 | -2 | 1.144 | 2190384 | 449599 | 574 | 1435 | 783 | 0.79(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:17 | 23:18 | -2 | 1.144 | 1723192 | 354387 | 651 | 1627 | 544 | | |
| 291.9194 | 23:17 | 23:18 | -2 | 1.144 | 2190384 | 449599 | 574 | 1435 | 783 | 0.79(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:31 | 23:32 | -2 | 1.156 | 155408 | 38194 | 651 | 1627 | 59 | | |
| 291.9194 | 23:31 | 23:32 | -2 | 1.156 | 188269 | 47026 | 574 | 1435 | 82 | 0.83(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:57 | 24:57 | -1 | 1.226 | 12109540 | 2821029 | 651 | 1627 | 4333 | | |
| 291.9194 | 24:57 | 24:57 | -1 | 1.226 | 15289685 | 3590687 | 574 | 1435 | 6256 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | RQ |
| 289.9224 | 25:05 | 25:06 | -2 | 1.233 | 250628 | 38397 | 651 | 1627 | 59 | | |
| | Empc Correction | | | | 157886 | 34116 | 651 | 1627 | 52 | | |
| 291.9194 | 25:05 | 25:06 | -2 | 1.233 | 205048 | 44307 | 574 | 1435 | 77 | 1.22(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | RQ |
| 289.9224 | 25:05 | 25:06 | -2 | 1.233 | 250628 | 38397 | 651 | 1627 | 59 | | |
| | Empc Correction | | | | 157886 | 34116 | 651 | 1627 | 52 | | |
| 291.9194 | 25:05 | 25:06 | -2 | 1.233 | 205048 | 44307 | 574 | 1435 | 77 | 1.22(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:26 | 25:24 | 1 | 1.251 | 7085167 | 1598464 | 651 | 1627 | 2455 | | |
| 291.9194 | 25:26 | 25:24 | 1 | 1.251 | 8883324 | 1999024 | 574 | 1435 | 3483 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:26 | 25:24 | 1 | 1.251 | 7085167 | 1598464 | 651 | 1627 | 2455 | | |
| 291.9194 | 25:26 | 25:24 | 1 | 1.251 | 8883324 | 1999024 | 574 | 1435 | 3483 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:43 | 25:43 | -1 | 1.264 | 439939 | 98440 | 651 | 1627 | 151 | | |
| 291.9194 | 25:43 | 25:43 | -1 | 1.264 | 549993 | 126303 | 574 | 1435 | 220 | 0.80(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:58 | 1 | 1.278 | 9673047 | 1444932 | 651 | 1627 | 2220 | | |
| 291.9194 | 25:59 | 25:58 | 1 | 1.278 | 12042931 | 1787747 | 574 | 1435 | 3115 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:58 | 1 | 1.278 | 9673047 | 1444932 | 651 | 1627 | 2220 | | |
| 291.9194 | 25:59 | 25:58 | 1 | 1.278 | 12042931 | 1787747 | 574 | 1435 | 3115 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:58 | 1 | 1.278 | 9673047 | 1444932 | 651 | 1627 | 2220 | | |
| 291.9194 | 25:59 | 25:58 | 1 | 1.278 | 12042931 | 1787747 | 574 | 1435 | 3115 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:16 | 1 | 1.292 | 411129 | 61009 | 651 | 1627 | 94 | | |
| 291.9194 | 26:18 | 26:16 | 1 | 1.293 | 494267 | 74921 | 574 | 1435 | 131 | 0.83(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:16 | 1 | 1.292 | 411129 | 61009 | 651 | 1627 | 94 | | |
| 291.9194 | 26:18 | 26:16 | 1 | 1.293 | 494267 | 74921 | 574 | 1435 | 131 | 0.83(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:16 | 1 | 1.292 | 411129 | 61009 | 651 | 1627 | 94 | | |
| 291.9194 | 26:18 | 26:16 | 1 | 1.293 | 494267 | 74921 | 574 | 1435 | 131 | 0.83(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:28 | 26:29 | -1 | 1.301 | 935030 | 213788 | 651 | 1627 | 328 | | |
| 291.9194 | 26:28 | 26:29 | -1 | 1.301 | 1185516 | 270093 | 574 | 1435 | 471 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:58 | 26:58 | -1 | 1.326 | 2345469 | 515842 | 651 | 1627 | 792 | | |
| 291.9194 | 26:58 | 26:58 | -1 | 1.326 | 2947478 | 649716 | 574 | 1435 | 1132 | 0.80(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:58 | 26:58 | -1 | 1.326 | 2345469 | 515842 | 651 | 1627 | 792 | | |
| 291.9194 | 26:58 | 26:58 | -1 | 1.326 | 2947478 | 649716 | 574 | 1435 | 1132 | 0.80(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:58 | 26:58 | -1 | 1.326 | 2345469 | 515842 | 651 | 1627 | 792 | | |
| 291.9194 | 26:58 | 26:58 | -1 | 1.326 | 2947478 | 649716 | 574 | 1435 | 1132 | 0.80(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:11 | 27:11 | -1 | 1.336 | 1993986 | 444267 | 651 | 1627 | 682 | | |
| 291.9194 | 27:11 | 27:11 | -1 | 1.336 | 2527821 | 565942 | 574 | 1435 | 986 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:01 | 28:07 | -1 | 0.828 | 490427 | 110869 | 651 | 1627 | 170 | | |
| 291.9194 | 28:01 | 28:07 | -1 | 0.828 | 615534 | 141028 | 574 | 1435 | 246 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:19 | 28:24 | 0 | 0.836 | 330892 | 69833 | 651 | 1627 | 107 | | |
| 291.9194 | 28:19 | 28:24 | 0 | 0.836 | 423916 | 88265 | 574 | 1435 | 154 | 0.78(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:45 | | | | | | 651 | 1627 | | | |
| 291.9194 | 28:45 | | | | | | 574 | 1435 | | | |
| PCB-58 | | | | | | | | | | | Ma |
| 289.9224 | 28:59 | 29:04 | 0 | 0.856 | 56552 | 15026 | 651 | 1627 | 23 | | M |
| 291.9194 | 28:59 | 29:04 | 0 | 0.856 | 71835 | 18229 | 574 | 1435 | 32 | 0.79(0.65-0.89) | M |
| PCB-67 | | | | | | | | | | | M |
| 289.9224 | 29:12 | 29:14 | 3 | 0.862 | 29361 | 7797 | 651 | 1627 | 12 | | M |
| 291.9194 | 29:12 | 29:14 | 3 | 0.862 | 41528 | 9746 | 574 | 1435 | 17 | 0.71(0.65-0.89) | M |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:24 | 29:30 | -1 | 0.868 | 236185 | 52038 | 651 | 1627 | 80 | | |
| 291.9194 | 29:24 | 29:30 | -1 | 0.868 | 298431 | 65534 | 574 | 1435 | 114 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:49 | -1 | 0.878 | 11746774 | 2045279 | 651 | 1627 | 3142 | | |
| 291.9194 | 29:44 | 29:49 | -1 | 0.878 | 14765392 | 2579492 | 574 | 1435 | 4494 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:49 | -1 | 0.878 | 11746774 | 2045279 | 651 | 1627 | 3142 | | |
| 291.9194 | 29:44 | 29:49 | -1 | 0.878 | 14765392 | 2579492 | 574 | 1435 | 4494 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:49 | -1 | 0.878 | 11746774 | 2045279 | 651 | 1627 | 3142 | | |
| 291.9194 | 29:44 | 29:49 | -1 | 0.878 | 14765392 | 2579492 | 574 | 1435 | 4494 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:49 | -1 | 0.878 | 11746774 | 2045279 | 651 | 1627 | 3142 | | |
| 291.9194 | 29:44 | 29:49 | -1 | 0.878 | 14765392 | 2579492 | 574 | 1435 | 4494 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:04 | 30:09 | -1 | 0.888 | 5291185 | 1124663 | 651 | 1627 | 1728 | | |
| 291.9194 | 30:04 | 30:09 | -1 | 0.888 | 6588627 | 1386279 | 574 | 1435 | 2415 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:14 | | | | | | 651 | 1627 | | | |
| 291.9194 | 30:14 | | | | | | 574 | 1435 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:44 | 30:49 | 0 | 0.908 | 1671771 | 359882 | 651 | 1627 | 553 | | |
| 291.9194 | 30:44 | 30:49 | 0 | 0.908 | 2117693 | 453036 | 574 | 1435 | 789 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:57 | 31:02 | 0 | 0.914 | 340723 | 68496 | 651 | 1627 | 105 | | |
| 291.9194 | 30:57 | 31:02 | 0 | 0.914 | 427714 | 87902 | 574 | 1435 | 153 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:22 | | | | | | 651 | 1627 | | | |
| 291.9194 | 31:22 | | | | | | 574 | 1435 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:54 | 32:59 | 0 | 0.971 | 336842 | 69010 | 651 | 1627 | 106 | | |
| 291.9194 | 32:54 | 32:59 | 0 | 0.971 | 434649 | 89886 | 574 | 1435 | 157 | 0.77(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:27 | | | | | | 651 | 1627 | | | |
| 291.9194 | 33:27 | | | | | | 574 | 1435 | | | |
| PCB-81 | | | | | | | | | | | Ma |
| 289.9224 | 33:52 | 33:58 | -1 | 1.000 | 12120 | 4772 | 651 | 1627 | 7 | | M |
| 291.9194 | 33:52 | 33:58 | -1 | 1.000 | 14442 | 6189 | 574 | 1435 | 11 | 0.84(0.65-0.89) | M |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:27 | 34:30 | 0 | 1.001 | 321019 | 67847 | 651 | 1627 | 104 | | |
| 291.9194 | 34:27 | 34:30 | 0 | 1.001 | 403238 | 82220 | 574 | 1435 | 143 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:52 | 25:56 | -1 | 0.814 | 421511 | 94499 | 20 | 50 | 4725 | | |
| 339.9178 | 25:52 | 25:56 | -1 | 0.814 | 261007 | 60145 | 76 | 190 | 791 | 1.61(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:47 | 31:48 | 0 | | 373040 | 78877 | 20 | 50 | 3944 | | |
| 339.9178 | 31:47 | 31:48 | 0 | | 231365 | 48895 | 76 | 190 | 643 | 1.61(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:29 | 34:32 | 0 | 1.085 | 489643 | 103970 | 20 | 50 | 5199 | | |
| 339.9178 | 34:28 | 34:32 | -1 | 1.084 | 288970 | 55638 | 76 | 190 | 732 | 1.69(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:26 | 36:30 | -1 | 1.146 | 616244 | 128071 | 511 | 1277 | 251 | | |
| 339.9178 | 36:26 | 36:30 | -1 | 1.146 | 376091 | 78234 | 684 | 1710 | 114 | 1.64(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:46 | 36:50 | 0 | 1.157 | 653700 | 135675 | 511 | 1277 | 266 | | |
| 339.9178 | 36:46 | 36:50 | -1 | 1.156 | 403685 | 77456 | 684 | 1710 | 113 | 1.62(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:18 | 37:21 | 0 | 1.173 | 616350 | 128572 | 511 | 1277 | 252 | | |
| 339.9178 | 37:18 | 37:21 | 0 | 1.173 | 381891 | 82806 | 684 | 1710 | 121 | 1.61(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:56 | 38:00 | 0 | 1.193 | 606516 | 128499 | 511 | 1277 | 251 | | |
| 339.9178 | 37:56 | 38:00 | 0 | 1.193 | 387187 | 79365 | 684 | 1710 | 116 | 1.57(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:26 | 39:25 | 0 | | 711435 | 147590 | 511 | 1277 | 289 | | |
| 339.9178 | 39:26 | 39:25 | 0 | | 458433 | 95569 | 684 | 1710 | 140 | 1.55(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:02 | 41:06 | 0 | 1.291 | 626558 | 128791 | 511 | 1277 | 252 | | |
| 339.9178 | 41:02 | 41:06 | 0 | 1.291 | 402218 | 75585 | 684 | 1710 | 111 | 1.56(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:54 | | | | | | 63 | 157 | | | |
| 327.8775 | 25:54 | | | | | | 36 | 90 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:15 | 26:18 | -2 | 1.015 | 252015 | 57580 | 63 | 157 | 914 | | |
| 327.8775 | 26:15 | 26:18 | -2 | 1.015 | 153192 | 34013 | 36 | 90 | 945 | 1.65(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:12 | 28:14 | -1 | 1.090 | 1119899 | 246195 | 63 | 157 | 3908 | | |
| 327.8775 | 28:12 | 28:14 | -1 | 1.090 | 705182 | 153685 | 36 | 90 | 4269 | 1.59(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:26 | 28:27 | 0 | 1.099 | 309918 | 64732 | 63 | 157 | 1027 | | |
| 327.8775 | 28:25 | 28:27 | -1 | 1.098 | 196706 | 42621 | 36 | 90 | 1184 | 1.58(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:52 | 28:54 | -1 | 1.116 | 14930979 | 3307772 | 63 | 157 | 52504 | | |
| 327.8775 | 28:52 | 28:54 | -1 | 1.116 | 9505402 | 2093420 | 36 | 90 | 58151 | 1.57(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:07 | -1 | 1.124 | 904069 | 188426 | 63 | 157 | 2991 | | |
| 327.8775 | 29:05 | 29:07 | -1 | 1.124 | 556787 | 116658 | 36 | 90 | 3241 | 1.62(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:07 | -1 | 1.124 | 904069 | 188426 | 63 | 157 | 2991 | | |
| 327.8775 | 29:05 | 29:07 | -1 | 1.124 | 556787 | 116658 | 36 | 90 | 3241 | 1.62(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:14 | 29:16 | -1 | 1.130 | 1137726 | 218243 | 63 | 157 | 3464 | | |
| 327.8775 | 29:14 | 29:16 | -1 | 1.130 | 707520 | 135220 | 36 | 90 | 3756 | 1.61(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:14 | 29:16 | -1 | 1.130 | 1137726 | 218243 | 63 | 157 | 3464 | | |
| 327.8775 | 29:14 | 29:16 | -1 | 1.130 | 707520 | 135220 | 36 | 90 | 3756 | 1.61(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:44 | 29:46 | -1 | 1.149 | 3485362 | 759304 | 63 | 157 | 12052 | | |
| 327.8775 | 29:44 | 29:46 | -1 | 1.149 | 2211013 | 482533 | 36 | 90 | 13404 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:44 | 29:46 | -1 | 1.149 | 3485362 | 759304 | 63 | 157 | 12052 | | |
| 327.8775 | 29:44 | 29:46 | -1 | 1.149 | 2211013 | 482533 | 36 | 90 | 13404 | 1.58(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:57 | 29:59 | -1 | 1.157 | 3435242 | 736351 | 63 | 157 | 11688 | | |
| 327.8775 | 29:57 | 29:59 | -1 | 1.157 | 2162187 | 470385 | 36 | 90 | 13066 | 1.59(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:28 | | | | | | 63 | 157 | | | |
| 327.8775 | 30:28 | | | | | | 36 | 90 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:51 | | | | | | 63 | 157 | | | |
| 327.8775 | 30:51 | | | | | | 36 | 90 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:14 | 31:18 | 0 | 0.857 | 5497180 | 1186244 | 63 | 157 | 18829 | | |
| 327.8775 | 31:14 | 31:18 | 0 | 0.857 | 3491921 | 753700 | 36 | 90 | 20936 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:49 | 31:49 | 0 | 1.230 | 23102296 | 4844720 | 63 | 157 | 76900 | | |
| 327.8775 | 31:49 | 31:49 | 0 | 1.230 | 14474380 | 2990359 | 36 | 90 | 83066 | 1.60(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:49 | 31:49 | 0 | 1.230 | 23102296 | 4844720 | 63 | 157 | 76900 | | |
| 327.8775 | 31:49 | 31:49 | 0 | 1.230 | 14474380 | 2990359 | 36 | 90 | 83066 | 1.60(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:49 | 31:49 | 0 | 1.230 | 23102296 | 4844720 | 63 | 157 | 76900 | | |
| 327.8775 | 31:49 | 31:49 | 0 | 1.230 | 14474380 | 2990359 | 36 | 90 | 83066 | 1.60(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:24 | 32:24 | 0 | 1.252 | 12974939 | 2584070 | 63 | 157 | 41017 | | M |
| 327.8775 | 32:24 | 32:24 | 0 | 1.252 | 8424100 | 1673531 | 36 | 90 | 46487 | 1.54(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:24 | 32:24 | 0 | 1.252 | 12974939 | 2584070 | 63 | 157 | 41017 | | M |
| 327.8775 | 32:24 | 32:24 | 0 | 1.252 | 8424100 | 1673531 | 36 | 90 | 46487 | 1.54(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:30 | | | | | | 63 | 157 | | | |
| 327.8775 | 32:30 | | | | | | 36 | 90 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:54 | 0 | 1.272 | 12486569 | 1387595 | 63 | 157 | 22025 | | M |
| 327.8775 | 32:54 | 32:54 | 0 | 1.272 | 7954933 | 899119 | 36 | 90 | 24976 | 1.57(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:54 | 0 | 1.272 | 12486569 | 1387595 | 63 | 157 | 22025 | | M |
| 327.8775 | 32:54 | 32:54 | 0 | 1.272 | 7954933 | 899119 | 36 | 90 | 24976 | 1.57(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:54 | 0 | 1.272 | 12486569 | 1387595 | 63 | 157 | 22025 | | M |
| 327.8775 | 32:54 | 32:54 | 0 | 1.272 | 7954933 | 899119 | 36 | 90 | 24976 | 1.57(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:54 | 0 | 1.272 | 12486569 | 1387595 | 63 | 157 | 22025 | | M |
| 327.8775 | 32:54 | 32:54 | 0 | 1.272 | 7954933 | 899119 | 36 | 90 | 24976 | 1.57(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:54 | 0 | 1.272 | 12486569 | 1387595 | 63 | 157 | 22025 | | M |
| 327.8775 | 32:54 | 32:54 | 0 | 1.272 | 7954933 | 899119 | 36 | 90 | 24976 | 1.57(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:54 | 0 | 1.272 | 12486569 | 1387595 | 63 | 157 | 22025 | | M |
| 327.8775 | 32:54 | 32:54 | 0 | 1.272 | 7954933 | 899119 | 36 | 90 | 24976 | 1.57(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:37 | 33:38 | 0 | 1.300 | 2734284 | 434262 | 63 | 157 | 6893 | | |
| 327.8775 | 33:37 | 33:38 | 0 | 1.300 | 1704169 | 268193 | 36 | 90 | 7450 | 1.60(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:37 | 33:38 | 0 | 1.300 | 2734284 | 434262 | 63 | 157 | 6893 | | |
| 327.8775 | 33:37 | 33:38 | 0 | 1.300 | 1704169 | 268193 | 36 | 90 | 7450 | 1.60(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:37 | 33:38 | 0 | 1.300 | 2734284 | 434262 | 63 | 157 | 6893 | | |
| 327.8775 | 33:37 | 33:38 | 0 | 1.300 | 1704169 | 268193 | 36 | 90 | 7450 | 1.60(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:47 | 33:52 | -4 | 1.306 | 24676747 | 5101138 | 63 | 157 | 80970 | | |
| 327.8775 | 33:47 | 33:52 | -4 | 1.306 | 15539190 | 3153982 | 36 | 90 | 87611 | 1.59(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:47 | 33:52 | -4 | 1.306 | 24676747 | 5101138 | 63 | 157 | 80970 | | |
| 327.8775 | 33:47 | 33:52 | -4 | 1.306 | 15539190 | 3153982 | 36 | 90 | 87611 | 1.59(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:05 | 34:08 | -1 | 1.318 | 1329256 | 258377 | 63 | 157 | 4101 | | |
| 327.8775 | 34:05 | 34:08 | -1 | 1.318 | 842062 | 161315 | 36 | 90 | 4481 | 1.58(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:31 | 34:31 | 0 | 1.334 | 156837 | 25595 | 63 | 157 | 406 | | |
| 327.8775 | 34:31 | 34:31 | 0 | 1.334 | 102299 | 15124 | 36 | 90 | 420 | 1.53(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:58 | 34:59 | 0 | 1.352 | 603619 | 117077 | 63 | 157 | 1858 | | |
| 327.8775 | 34:58 | 34:59 | 0 | 1.352 | 371861 | 73427 | 36 | 90 | 2040 | 1.62(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:07 | 0 | 1.396 | 889679 | 182761 | 1770 | 4425 | 103 | | |
| 327.8775 | 36:06 | 36:07 | 0 | 1.396 | 550799 | 113029 | 1254 | 3135 | 90 | 1.62(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:07 | 0 | 1.396 | 889679 | 182761 | 1770 | 4425 | 103 | | |
| 327.8775 | 36:06 | 36:07 | 0 | 1.396 | 550799 | 113029 | 1254 | 3135 | 90 | 1.62(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:21 | 36:22 | -1 | 1.405 | 2779593 | 555258 | 1770 | 4425 | 314 | | |
| 327.8775 | 36:21 | 36:22 | -1 | 1.405 | 1742009 | 355531 | 1254 | 3135 | 284 | 1.60(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:28 | 36:32 | 0 | 1.001 | 293364 | 72391 | 1770 | 4425 | 41 | | |
| 327.8775 | 36:28 | 36:32 | 0 | 1.001 | 180196 | 43471 | 1254 | 3135 | 35 | 1.63(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:34 | | | | | | 1770 | 4425 | | | |
| 327.8775 | 36:34 | | | | | | 1254 | 3135 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:47 | 36:54 | -1 | 1.000 | 24148655 | 4855001 | 1770 | 4425 | 2743 | | |
| 327.8775 | 36:47 | 36:54 | -1 | 1.000 | 15177552 | 3035907 | 1254 | 3135 | 2421 | 1.59(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:08 | 37:14 | -1 | 1.010 | 252965 | 48118 | 1770 | 4425 | 27 | | |
| 327.8775 | 37:08 | 37:14 | 0 | 1.010 | 160526 | 28648 | 1254 | 3135 | 23 | 1.58(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | M |
| 325.8804 | 37:19 | 37:25 | 0 | 1.001 | 462653 | 85581 | 1770 | 4425 | 48 | | M |
| 327.8775 | 37:19 | 37:25 | -1 | 1.000 | 279813 | 52659 | 1254 | 3135 | 42 | 1.65(1.32-1.78) | M |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:58 | 38:04 | 0 | 1.001 | 7655928 | 1468951 | 1770 | 4425 | 830 | | |
| 327.8775 | 37:58 | 38:04 | 0 | 1.001 | 4855528 | 936272 | 1254 | 3135 | 747 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | Ma |
| 325.8804 | 39:30 | 39:32 | 3 | 1.041 | 46214 | 9275 | 1770 | 4425 | 5 | | M |
| 327.8775 | 39:30 | 39:32 | 4 | 1.041 | 33638 | 5879 | 1254 | 3135 | 5 | 1.37(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | M |
| 325.8804 | 41:04 | 41:09 | 1 | 1.001 | 46180 | 8933 | 1770 | 4425 | 5 | | M |
| 327.8775 | 41:04 | 41:09 | 1 | 1.001 | 28559 | 5938 | 1254 | 3135 | 5 | 1.62(1.32-1.78) | M |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:34 | 31:39 | -1 | 0.791 | 323957 | 70009 | 76 | 190 | 921 | | |
| 373.8788 | 31:34 | 31:39 | -1 | 0.791 | 258852 | 55839 | 61 | 152 | 915 | 1.25(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:54 | 39:54 | 0 | | 474690 | 93588 | 240 | 600 | 390 | | |
| 373.8788 | 39:54 | 39:54 | 0 | | 381684 | 77921 | 156 | 390 | 499 | 1.24(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:54 | 43:01 | 0 | 1.075 | 520065 | 106833 | 240 | 600 | 445 | | |
| 373.8788 | 42:54 | 43:01 | 0 | 1.075 | 405309 | 78969 | 156 | 390 | 506 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:10 | 1 | 1.105 | 998455 | 137924 | 240 | 600 | 575 | | |
| 373.8788 | 44:03 | 44:10 | 0 | 1.104 | 791055 | 110417 | 156 | 390 | 708 | 1.26(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:10 | 1 | 1.105 | 998455 | 137924 | 240 | 600 | 575 | | |
| 373.8788 | 44:03 | 44:10 | 0 | 1.104 | 791055 | 110417 | 156 | 390 | 708 | 1.26(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:18 | 47:24 | 1 | 1.186 | 518668 | 105283 | 240 | 600 | 439 | | |
| 373.8788 | 47:18 | 47:24 | 1 | 1.186 | 412861 | 80250 | 156 | 390 | 514 | 1.26(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:35 | 31:38 | 0 | 1.001 | 15288 | 3550 | 18 | 45 | 197 | | |
| 361.8385 | 31:36 | 31:38 | 0 | 1.001 | 11616 | 2350 | 27 | 67 | 87 | 1.32(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:46 | 31:49 | -1 | 1.006 | 49016 | 9947 | 18 | 45 | 553 | | |
| 361.8385 | 31:46 | 31:49 | -1 | 1.006 | 35491 | 7189 | 27 | 67 | 266 | 1.38(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:56 | 32:00 | -1 | 1.012 | 317647 | 68347 | 18 | 45 | 3797 | | |
| 361.8385 | 31:56 | 32:00 | -1 | 1.012 | 243796 | 52260 | 27 | 67 | 1936 | 1.30(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:18 | 32:21 | 0 | 1.023 | 4174288 | 872621 | 18 | 45 | 48479 | | |
| 361.8385 | 32:18 | 32:21 | 0 | 1.023 | 3283908 | 689178 | 27 | 67 | 25525 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:35 | 32:39 | -1 | 1.033 | 17133 | 2536 | 18 | 45 | 141 | | |
| 361.8385 | 32:36 | 32:39 | 0 | 1.033 | 14002 | 2033 | 27 | 67 | 75 | 1.22(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:08 | 34:11 | -1 | 1.081 | 262491 | 53154 | 18 | 45 | 2953 | | |
| 361.8385 | 34:08 | 34:11 | -1 | 1.081 | 214579 | 46094 | 27 | 67 | 1707 | 1.22(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:42 | 34:45 | -1 | 1.100 | 9027972 | 1173884 | 18 | 45 | 65216 | | |
| 361.8385 | 34:42 | 34:45 | -1 | 1.100 | 7134427 | 926906 | 27 | 67 | 34330 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:42 | 34:45 | -1 | 1.100 | 9027972 | 1173884 | 18 | 45 | 65216 | | |
| 361.8385 | 34:42 | 34:45 | -1 | 1.100 | 7134427 | 926906 | 27 | 67 | 34330 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:59 | 35:01 | 0 | 1.108 | 1768515 | 362164 | 18 | 45 | 20120 | | |
| 361.8385 | 34:59 | 35:01 | 0 | 1.108 | 1369598 | 281840 | 27 | 67 | 10439 | 1.29(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:17 | 35:20 | 0 | 1.118 | 735880 | 146138 | 18 | 45 | 8119 | | |
| 361.8385 | 35:16 | 35:20 | -1 | 1.118 | 561958 | 113512 | 27 | 67 | 4204 | 1.31(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:41 | 0 | 1.130 | 28517224 | 5927910 | 333 | 832 | 17802 | | |
| 361.8385 | 35:39 | 35:41 | 0 | 1.130 | 22629634 | 4664089 | 203 | 507 | 22976 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:41 | 0 | 1.130 | 28517224 | 5927910 | 333 | 832 | 17802 | | |
| 361.8385 | 35:39 | 35:41 | 0 | 1.130 | 22629634 | 4664089 | 203 | 507 | 22976 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:51 | 35:59 | -6 | 1.136 | 1532089 | 282395 | 333 | 832 | 848 | | |
| 361.8385 | 35:51 | 35:59 | -6 | 1.136 | 1188502 | 225525 | 203 | 507 | 1111 | 1.29(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:51 | 35:59 | -6 | 1.136 | 1532089 | 282395 | 333 | 832 | 848 | | |
| 361.8385 | 35:51 | 35:59 | -6 | 1.136 | 1188502 | 225525 | 203 | 507 | 1111 | 1.29(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:15 | 36:17 | 0 | 1.149 | 890017 | 165353 | 333 | 832 | 497 | | |
| 361.8385 | 36:15 | 36:17 | 0 | 1.149 | 705155 | 132366 | 203 | 507 | 652 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:15 | 36:17 | 0 | 1.149 | 890017 | 165353 | 333 | 832 | 497 | | |
| 361.8385 | 36:15 | 36:17 | 0 | 1.149 | 705155 | 132366 | 203 | 507 | 652 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:27 | 36:29 | 0 | 1.155 | 257446 | 50725 | 333 | 832 | 152 | | |
| 361.8385 | 36:27 | 36:29 | 0 | 1.155 | 215597 | 38186 | 203 | 507 | 188 | 1.19(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:35 | | | | | | 333 | 832 | | | |
| 361.8385 | 36:35 | | | | | | 203 | 507 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:54 | 36:57 | 0 | 1.169 | 8199605 | 1643217 | 333 | 832 | 4935 | | |
| 361.8385 | 36:54 | 36:57 | 0 | 1.169 | 6531195 | 1314403 | 203 | 507 | 6475 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:25 | 37:27 | 0 | 1.186 | 1023185 | 210544 | 333 | 832 | 632 | | |
| 361.8385 | 37:25 | 37:27 | 0 | 1.186 | 818785 | 165860 | 203 | 507 | 817 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:49 | | | | | | 333 | 832 | | | |
| 361.8385 | 37:49 | | | | | | 203 | 507 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:04 | 38:10 | 1 | 0.887 | 8616045 | 1719692 | 333 | 832 | 5164 | | |
| 361.8385 | 38:03 | 38:10 | 0 | 0.887 | 6933646 | 1393551 | 203 | 507 | 6865 | 1.24(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:12 | | | | | | 333 | 832 | | | |
| 361.8385 | 38:12 | | | | | | 203 | 507 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:49 | -1 | 0.902 | 31113451 | 6243451 | 333 | 832 | 18749 | | |
| 361.8385 | 38:40 | 38:49 | -2 | 0.901 | 24668403 | 4928125 | 203 | 507 | 24276 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:49 | -1 | 0.902 | 31113451 | 6243451 | 333 | 832 | 18749 | | |
| 361.8385 | 38:40 | 38:49 | -2 | 0.901 | 24668403 | 4928125 | 203 | 507 | 24276 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:52 | 38:59 | 0 | 0.906 | 3786942 | 749428 | 333 | 832 | 2251 | | |
| 361.8385 | 38:52 | 38:59 | 0 | 0.906 | 3020946 | 603291 | 203 | 507 | 2972 | 1.25(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:16 | 39:24 | -1 | 0.915 | 1475729 | 291125 | 333 | 832 | 874 | | |
| 361.8385 | 39:16 | 39:24 | -1 | 0.915 | 1179822 | 234692 | 203 | 507 | 1156 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:30 | 39:36 | 1 | 0.921 | 886904 | 184027 | 333 | 832 | 553 | | |
| 361.8385 | 39:30 | 39:36 | 0 | 0.920 | 700753 | 146851 | 203 | 507 | 723 | 1.27(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:37 | 39:44 | 0 | 0.924 | 2307388 | 457966 | 333 | 832 | 1375 | | |
| 361.8385 | 39:37 | 39:44 | -1 | 0.923 | 1850224 | 358301 | 203 | 507 | 1765 | 1.25(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:03 | -1 | 0.931 | 25518668 | 4915896 | 333 | 832 | 14762 | | |
| 361.8385 | 39:55 | 40:03 | -1 | 0.931 | 20370398 | 3894104 | 203 | 507 | 19183 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:03 | -1 | 0.931 | 25518668 | 4915896 | 333 | 832 | 14762 | | |
| 361.8385 | 39:55 | 40:03 | -1 | 0.931 | 20370398 | 3894104 | 203 | 507 | 19183 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:03 | -1 | 0.931 | 25518668 | 4915896 | 333 | 832 | 14762 | | |
| 361.8385 | 39:55 | 40:03 | -1 | 0.931 | 20370398 | 3894104 | 203 | 507 | 19183 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:03 | -1 | 0.931 | 25518668 | 4915896 | 333 | 832 | 14762 | | |
| 361.8385 | 39:55 | 40:03 | -1 | 0.931 | 20370398 | 3894104 | 203 | 507 | 19183 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:19 | 40:26 | 0 | 0.940 | 2884476 | 553316 | 333 | 832 | 1662 | | |
| 361.8385 | 40:19 | 40:26 | 0 | 0.940 | 2305314 | 435825 | 203 | 507 | 2147 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | M |
| 359.8415 | 41:11 | 41:16 | 2 | 0.960 | 3537192 | 614331 | 333 | 832 | 1845 | | |
| 361.8385 | 41:11 | 41:16 | 2 | 0.960 | 2734456 | 482208 | 203 | 507 | 2375 | 1.29(1.05-1.43) | M |
| PCB-166 (C128) | | | | | | | | | | | M |
| 359.8415 | 41:11 | 41:16 | 2 | 0.960 | 3537192 | 614331 | 333 | 832 | 1845 | | |
| 361.8385 | 41:11 | 41:16 | 2 | 0.960 | 2734456 | 482208 | 203 | 507 | 2375 | 1.29(1.05-1.43) | M |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:08 | 42:17 | -2 | 0.982 | 332739 | 60954 | 333 | 832 | 183 | | |
| 361.8385 | 42:08 | 42:17 | -2 | 0.982 | 262177 | 48216 | 203 | 507 | 238 | 1.27(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:27 | | | | | | 333 | 832 | | | |
| 361.8385 | 42:27 | | | | | | 203 | 507 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:56 | 43:03 | 0 | 1.001 | 1004569 | 196674 | 333 | 832 | 591 | | |
| 361.8385 | 42:56 | 43:03 | 0 | 1.001 | 807677 | 158061 | 203 | 507 | 779 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:03 | 44:11 | -1 | 1.000 | 3077922 | 547537 | 333 | 832 | 1644 | | |
| 361.8385 | 44:03 | 44:11 | -1 | 1.000 | 2448055 | 430408 | 203 | 507 | 2120 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:03 | 44:11 | -1 | 1.000 | 3077922 | 547537 | 333 | 832 | 1644 | | |
| 361.8385 | 44:03 | 44:11 | -1 | 1.000 | 2448055 | 430408 | 203 | 507 | 2120 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:19 | | | | | | 333 | 832 | | | |
| 361.8385 | 47:19 | | | | | | 203 | 507 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:18 | 37:25 | -1 | 0.820 | 398786 | 83036 | 67 | 167 | 1239 | | |
| 407.8398 | 37:19 | 37:25 | 0 | 0.821 | 379674 | 81539 | 1 | 2 | 81539 | 1.05(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:21 | 40:28 | 0 | 0.888 | 318739 | 61193 | 67 | 167 | 913 | | |
| 407.8398 | 40:22 | 40:28 | 1 | 0.888 | 304789 | 62455 | 1 | 2 | 62455 | 1.05(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:27 | 45:27 | 0 | | 386676 | 79001 | 67 | 167 | 1179 | | |
| 407.8398 | 45:28 | 45:27 | 1 | | 329121 | 63966 | 1 | 2 | 63966 | 1.17(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:42 | 46:50 | -1 | 1.027 | 259613 | 54574 | 67 | 167 | 815 | | |
| 407.8398 | 46:43 | 46:50 | 0 | 1.028 | 230199 | 40301 | 1 | 2 | 40301 | 1.13(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:50 | 49:58 | 0 | 1.096 | 524166 | 103338 | 581 | 1452 | 178 | | |
| 407.8398 | 49:50 | 49:58 | 0 | 1.096 | 487056 | 95637 | 720 | 1800 | 133 | 1.08(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:19 | 37:24 | -1 | 1.001 | 60379 | 12569 | 19 | 47 | 662 | | |
| 395.7995 | 37:19 | 37:24 | -1 | 1.001 | 57958 | 11167 | 21 | 52 | 532 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:40 | 37:44 | 0 | 1.010 | 4120534 | 822702 | 19 | 47 | 43300 | | |
| 395.7995 | 37:39 | 37:44 | -1 | 1.009 | 3944226 | 782725 | 21 | 52 | 37273 | 1.04(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:11 | | | | | | 19 | 47 | | | |
| 395.7995 | 38:11 | | | | | | 21 | 52 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:32 | 38:37 | 0 | 1.033 | 1098150 | 220052 | 19 | 47 | 11582 | | |
| 395.7995 | 38:32 | 38:37 | 0 | 1.033 | 1057813 | 210500 | 21 | 52 | 10024 | 1.04(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:59 | | | | | | 19 | 47 | | | |
| 395.7995 | 38:59 | | | | | | 21 | 52 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:23 | 40:27 | 0 | 1.083 | 1468573 | 298980 | 19 | 47 | 15736 | | |
| 395.7995 | 40:23 | 40:27 | 0 | 1.083 | 1388107 | 283177 | 21 | 52 | 13485 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:01 | 41:05 | 1 | 1.100 | 241986 | 49274 | 19 | 47 | 2593 | | |
| 395.7995 | 41:01 | 41:05 | 1 | 1.100 | 224268 | 45535 | 21 | 52 | 2168 | 1.08(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:18 | 41:22 | 1 | 1.107 | 8252251 | 1610036 | 19 | 47 | 84739 | | |
| 395.7995 | 41:17 | 41:22 | 0 | 1.107 | 7881913 | 1540348 | 21 | 52 | 73350 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:29 | 41:34 | 0 | 1.113 | 94939 | 17482 | 19 | 47 | 920 | | |
| 395.7995 | 41:29 | 41:34 | 0 | 1.113 | 96260 | 16724 | 21 | 52 | 796 | 0.99(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:54 | 41:59 | 0 | 1.123 | 3811990 | 660007 | 19 | 47 | 34737 | | |
| 395.7995 | 41:54 | 41:59 | 0 | 1.123 | 3650300 | 639102 | 21 | 52 | 30433 | 1.04(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:54 | 41:59 | 0 | 1.123 | 3811990 | 660007 | 19 | 47 | 34737 | | |
| 395.7995 | 41:54 | 41:59 | 0 | 1.123 | 3650300 | 639102 | 21 | 52 | 30433 | 1.04(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:08 | 42:13 | 0 | 1.130 | 4941142 | 964669 | 19 | 47 | 50772 | | |
| 395.7995 | 42:08 | 42:13 | 0 | 1.130 | 4697347 | 921380 | 21 | 52 | 43875 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:35 | 42:39 | 1 | 1.142 | 3507096 | 673494 | 19 | 47 | 35447 | | |
| 395.7995 | 42:34 | 42:39 | 0 | 1.141 | 3308605 | 638056 | 21 | 52 | 30384 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:57 | | | | | | 19 | 47 | | | |
| 395.7995 | 42:57 | | | | | | 21 | 52 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:12 | 43:16 | 1 | 1.158 | 1531823 | 294392 | 19 | 47 | 15494 | | |
| 395.7995 | 43:12 | 43:16 | 1 | 1.158 | 1458259 | 279183 | 21 | 52 | 13294 | 1.05(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:12 | 43:16 | 1 | 1.158 | 1531823 | 294392 | 19 | 47 | 15494 | | |
| 395.7995 | 43:12 | 43:16 | 1 | 1.158 | 1458259 | 279183 | 21 | 52 | 13294 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:50 | 44:57 | 0 | 0.900 | 803807 | 157595 | 19 | 47 | 8294 | | |
| 395.7995 | 44:50 | 44:57 | 0 | 0.900 | 759777 | 150306 | 21 | 52 | 7157 | 1.06(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:06 | | | | | | 19 | 47 | | | |
| 395.7995 | 45:06 | | | | | | 21 | 52 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:29 | 45:33 | 3 | 0.913 | 12055962 | 2206457 | 19 | 47 | 116129 | | a |
| 395.7995 | 45:29 | 45:33 | 3 | 0.913 | 11538314 | 2128920 | 21 | 52 | 101377 | 1.04(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:29 | 45:33 | 3 | 0.913 | 12055962 | 2206457 | 19 | 47 | 116129 | | a |
| 395.7995 | 45:29 | 45:33 | 3 | 0.913 | 11538314 | 2128920 | 21 | 52 | 101377 | 1.04(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:50 | 45:57 | 0 | 0.920 | 283118 | 53770 | 19 | 47 | 2830 | | |
| 395.7995 | 45:50 | 45:57 | 0 | 0.920 | 265614 | 50562 | 21 | 52 | 2408 | 1.07(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:44 | 46:51 | 1 | 0.938 | 4310602 | 848014 | 19 | 47 | 44632 | | |
| 395.7995 | 46:44 | 46:51 | 1 | 0.938 | 4102061 | 804977 | 21 | 52 | 38332 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:16 | 47:22 | 1 | 0.948 | 1259238 | 248999 | 19 | 47 | 13105 | | |
| 395.7995 | 47:16 | 47:22 | 1 | 0.948 | 1207632 | 236778 | 21 | 52 | 11275 | 1.04(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:51 | 49:59 | 0 | 1.001 | 334535 | 66133 | 318 | 795 | 208 | | |
| 395.7995 | 49:51 | 49:59 | 0 | 1.001 | 312126 | 61172 | 323 | 807 | 189 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:41 | 42:48 | 0 | 0.822 | 297412 | 59843 | 50 | 125 | 1197 | | |
| 441.8008 | 42:41 | 42:48 | 0 | 0.822 | 355099 | 69793 | 62 | 155 | 1126 | 0.84(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:56 | 51:56 | 0 | | 400260 | 77862 | 244 | 610 | 319 | | |
| 441.8008 | 51:56 | 51:56 | 0 | | 451873 | 85610 | 401 | 1002 | 213 | 0.89(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:25 | 52:33 | 0 | 1.009 | 408784 | 77402 | 244 | 610 | 317 | | |
| 441.8008 | 52:25 | 52:33 | 0 | 1.009 | 453171 | 87801 | 401 | 1002 | 219 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:42 | 42:47 | 1 | 1.001 | 501062 | 98868 | 25 | 62 | 3955 | | |
| 429.7606 | 42:42 | 42:47 | 1 | 1.001 | 549626 | 109018 | 20 | 50 | 5451 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:37 | 43:43 | 0 | 1.022 | 366925 | 72248 | 25 | 62 | 2890 | | |
| 429.7606 | 43:37 | 43:43 | 0 | 1.022 | 409000 | 83199 | 20 | 50 | 4160 | 0.90(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:18 | | | | | | 25 | 62 | | | |
| 429.7606 | 44:18 | | | | | | 20 | 50 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:31 | 44:37 | 0 | 1.043 | 108857 | 25434 | 25 | 62 | 1017 | | |
| 429.7606 | 44:31 | 44:37 | 0 | 1.043 | 124733 | 28229 | 20 | 50 | 1411 | 0.87(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:38 | 44:43 | 0 | 1.046 | 324989 | 60987 | 25 | 62 | 2439 | | |
| 429.7606 | 44:38 | 44:43 | 0 | 1.046 | 358956 | 69232 | 20 | 50 | 3462 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:27 | 47:31 | 2 | 1.112 | 1901140 | 359937 | 25 | 62 | 14397 | | |
| 429.7606 | 47:27 | 47:31 | 2 | 1.112 | 2097290 | 397507 | 20 | 50 | 19875 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:27 | 47:31 | 2 | 1.112 | 1901140 | 359937 | 25 | 62 | 14397 | | |
| 429.7606 | 47:27 | 47:31 | 2 | 1.112 | 2097290 | 397507 | 20 | 50 | 19875 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:06 | 48:13 | 0 | 0.918 | 999857 | 198738 | 25 | 62 | 7950 | | |
| 429.7606 | 48:06 | 48:13 | 0 | 0.918 | 1090943 | 213013 | 20 | 50 | 10651 | 0.92(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:18 | 48:25 | 0 | 0.921 | 1304796 | 257340 | 25 | 62 | 10294 | | |
| 429.7606 | 48:18 | 48:25 | 0 | 0.921 | 1430971 | 281583 | 20 | 50 | 14079 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:37 | 49:44 | 0 | 0.947 | 963011 | 189904 | 205 | 512 | 926 | | |
| 429.7606 | 49:37 | 49:44 | 0 | 0.947 | 1071521 | 209417 | 125 | 312 | 1675 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:58 | 52:06 | 0 | 0.991 | 2587002 | 503880 | 205 | 512 | 2458 | | |
| 429.7606 | 51:58 | 52:06 | 0 | 0.991 | 2854614 | 562343 | 125 | 312 | 4499 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:26 | 52:34 | 0 | 1.000 | 173854 | 33228 | 205 | 512 | 162 | | |
| 429.7606 | 52:26 | 52:34 | 0 | 1.000 | 194620 | 37823 | 125 | 312 | 303 | 0.89(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:21 | 49:30 | -1 | 0.950 | 347894 | 64214 | 284 | 710 | 226 | | |
| 475.7619 | 49:21 | 49:30 | -1 | 0.950 | 398363 | 74326 | 544 | 1360 | 137 | 0.87(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:10 | 54:18 | 0 | 1.043 | 244144 | 45793 | 284 | 710 | 161 | | |
| 475.7619 | 54:11 | 54:18 | 1 | 1.043 | 300304 | 59620 | 544 | 1360 | 110 | 0.81(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:23 | 49:28 | 0 | 1.001 | 237809 | 44567 | 254 | 635 | 175 | | |
| 463.7216 | 49:23 | 49:28 | 0 | 1.001 | 299701 | 58582 | 263 | 657 | 223 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:19 | 50:25 | 0 | 1.020 | 125174 | 24649 | 254 | 635 | 97 | | |
| 463.7216 | 50:19 | 50:25 | 0 | 1.020 | 158011 | 30083 | 263 | 657 | 114 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:11 | 54:19 | 0 | 1.000 | 714480 | 135442 | 254 | 635 | 533 | | |
| 463.7216 | 54:12 | 54:19 | 1 | 1.001 | 900084 | 169905 | 263 | 657 | 646 | 0.79(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:49 | 55:57 | 1 | 1.075 | 241166 | 44772 | 96 | 240 | 466 | | |
| 509.7229 | 55:49 | 55:57 | 1 | 1.075 | 346660 | 64375 | 90 | 225 | 715 | 0.70(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:51 | 55:59 | 1 | 1.000 | 365898 | 65089 | 60 | 150 | 1085 | | |
| 497.6826 | 55:51 | 55:59 | 1 | 1.000 | 526121 | 94299 | 47 | 117 | 2006 | 0.70(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville

| | | | |
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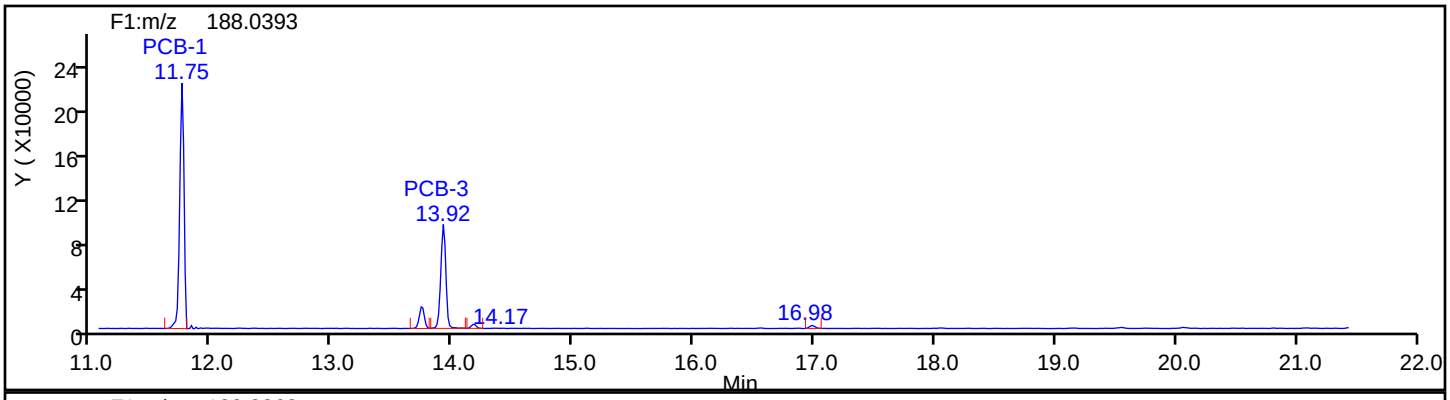
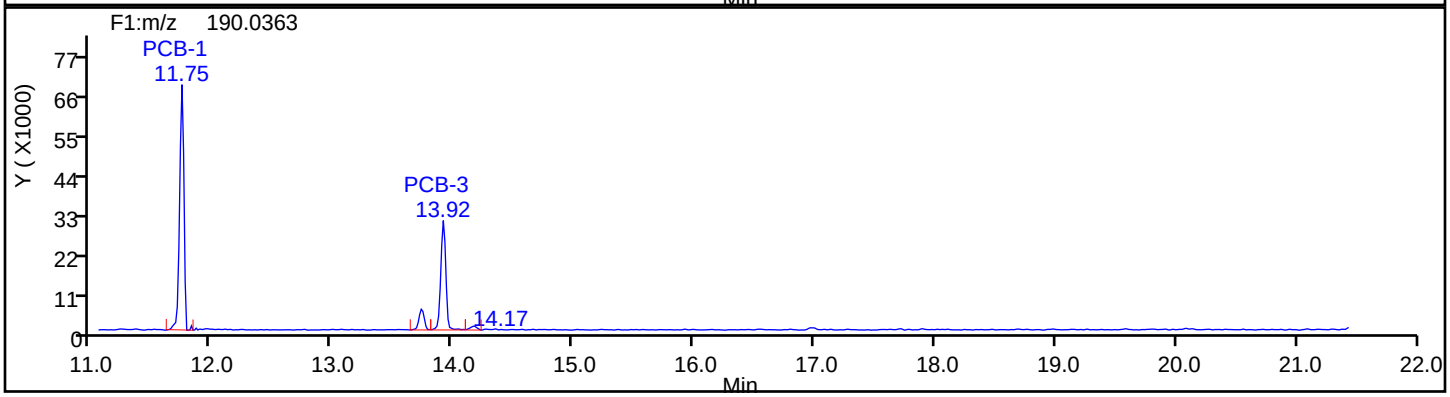
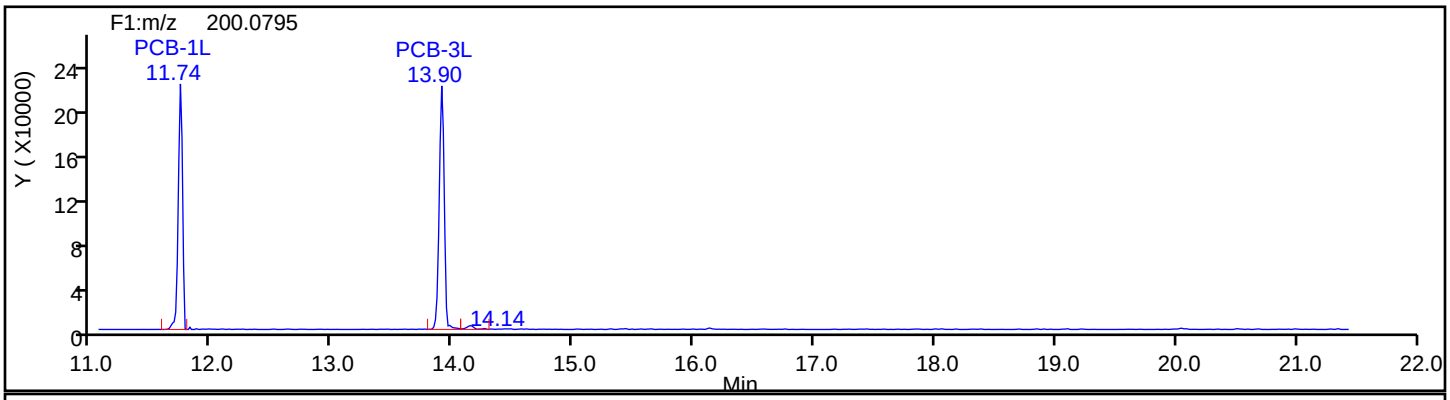
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

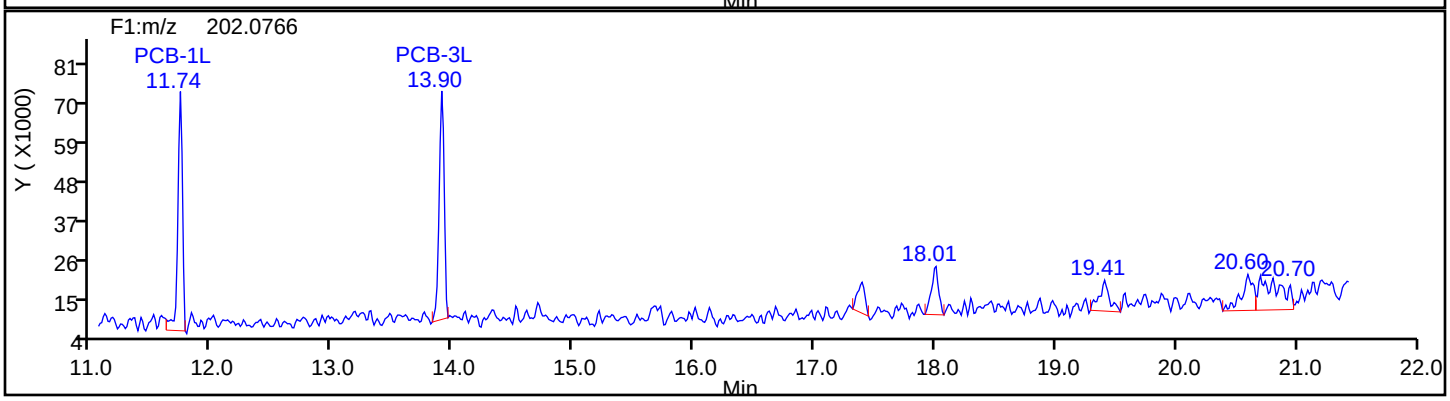
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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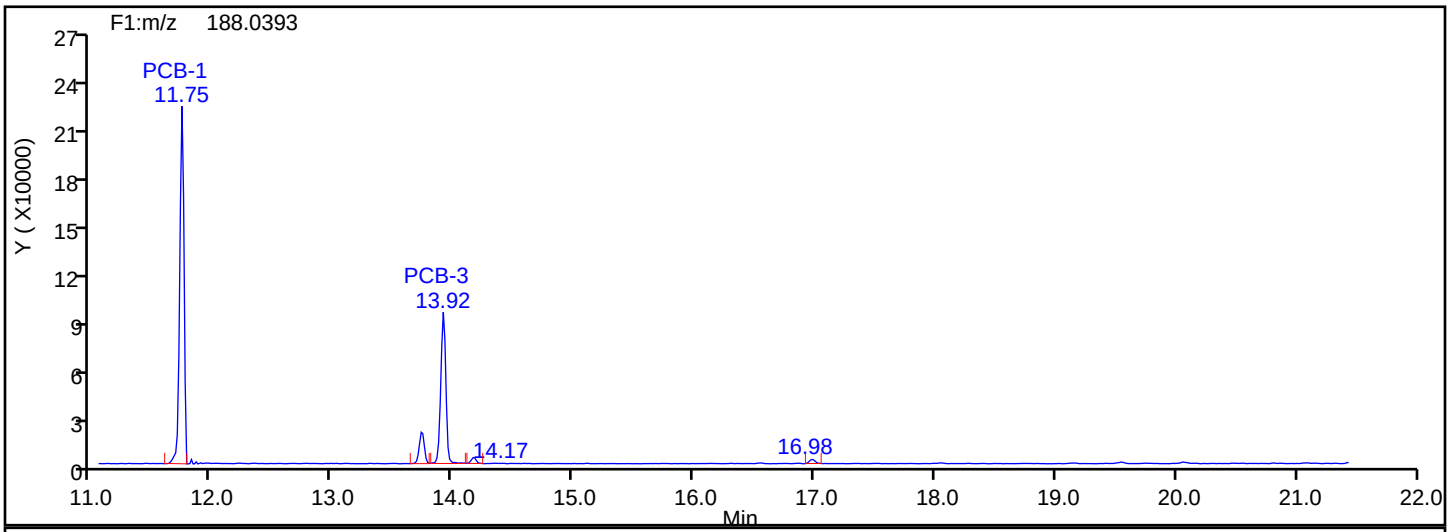
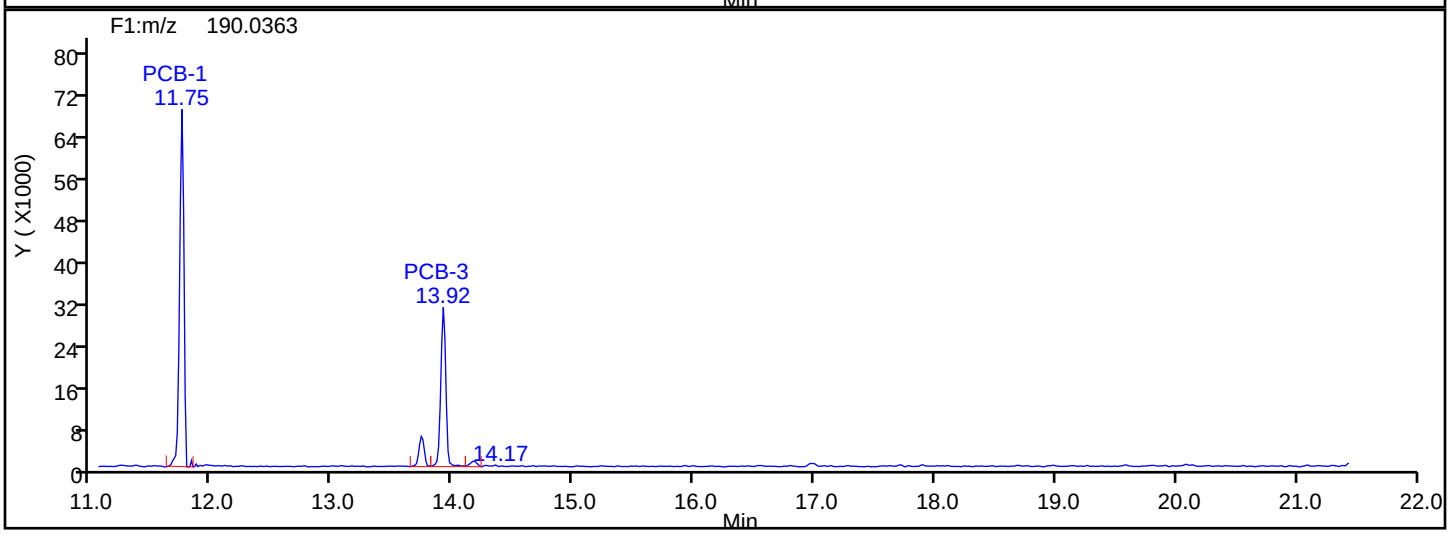
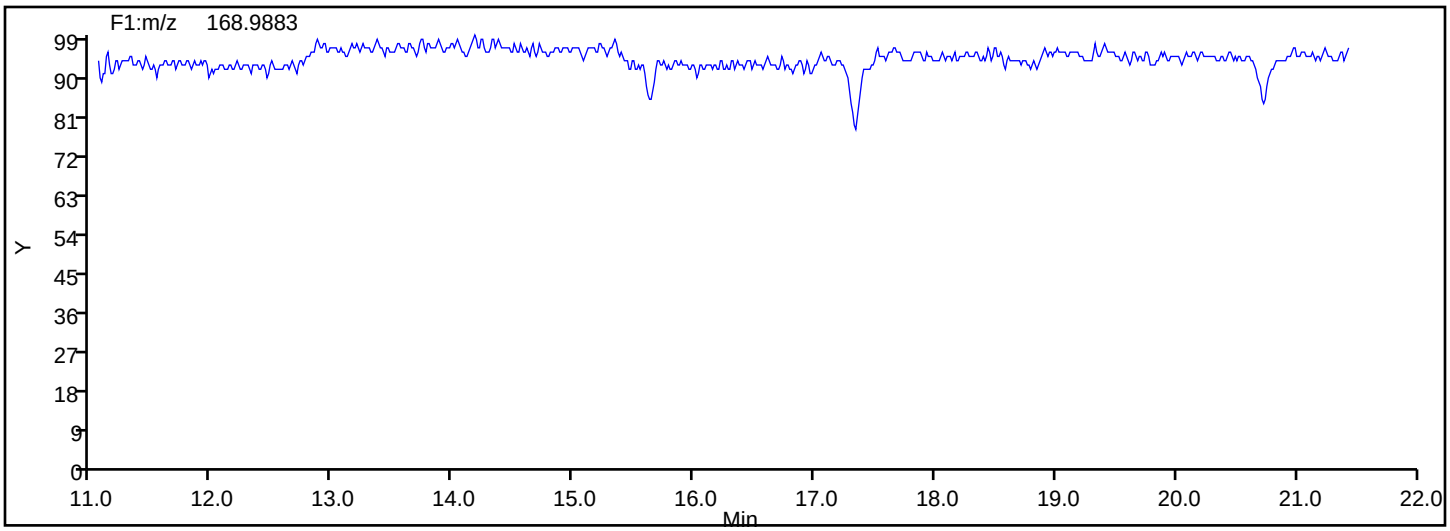
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Report Date: 10-Oct-2019 20:51:11 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d

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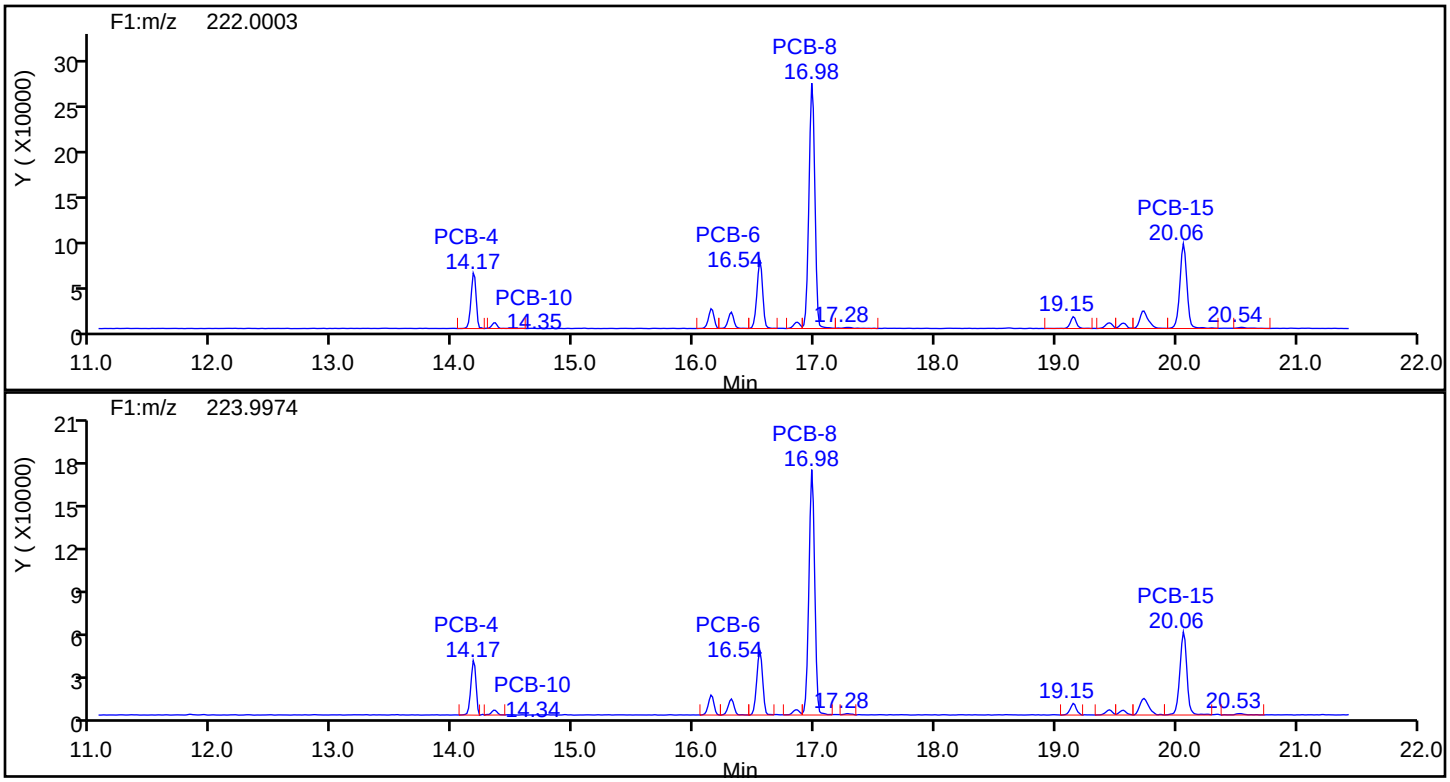
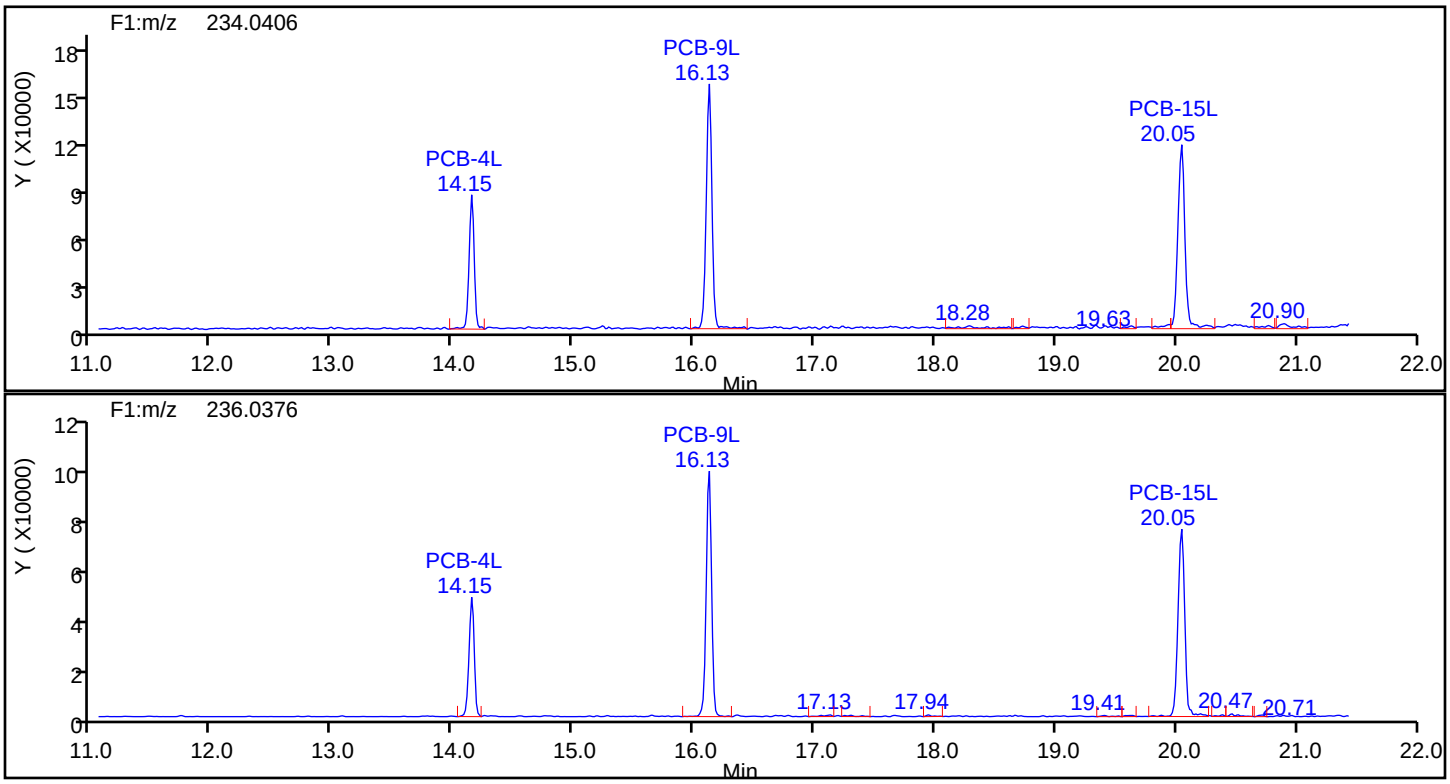
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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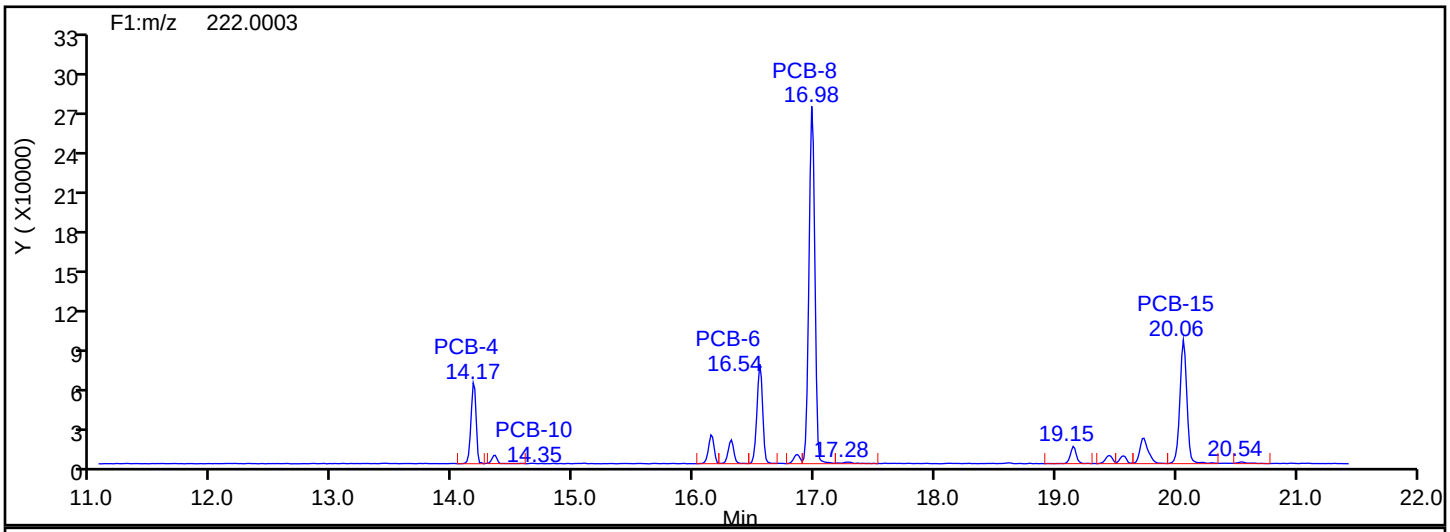
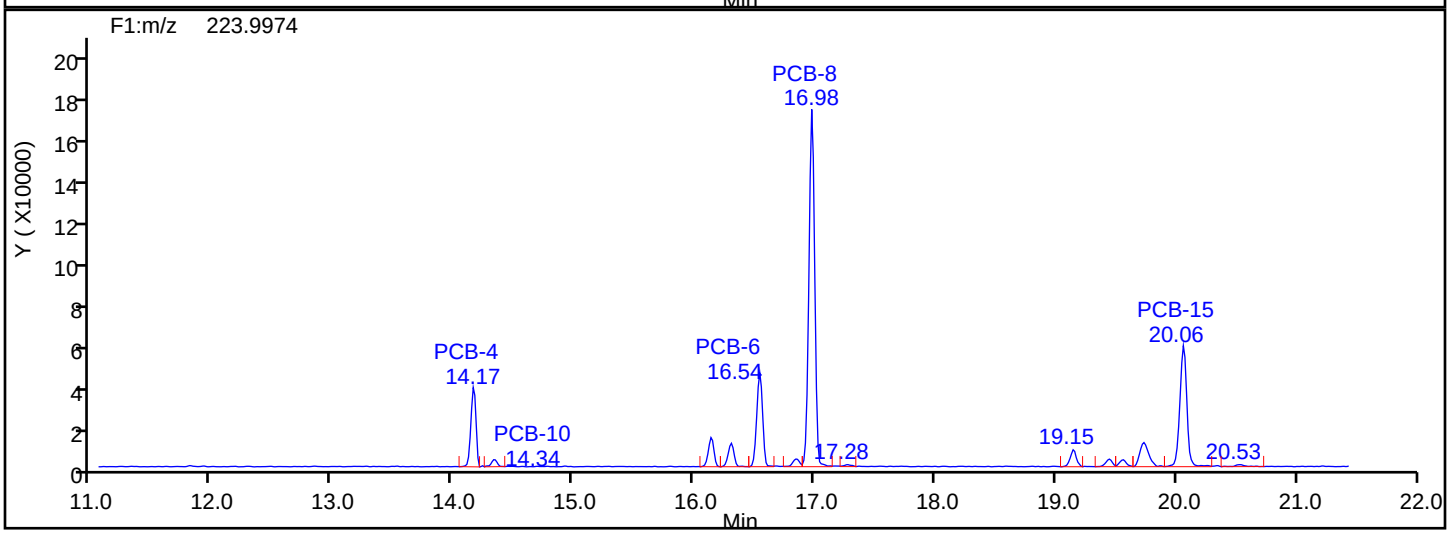
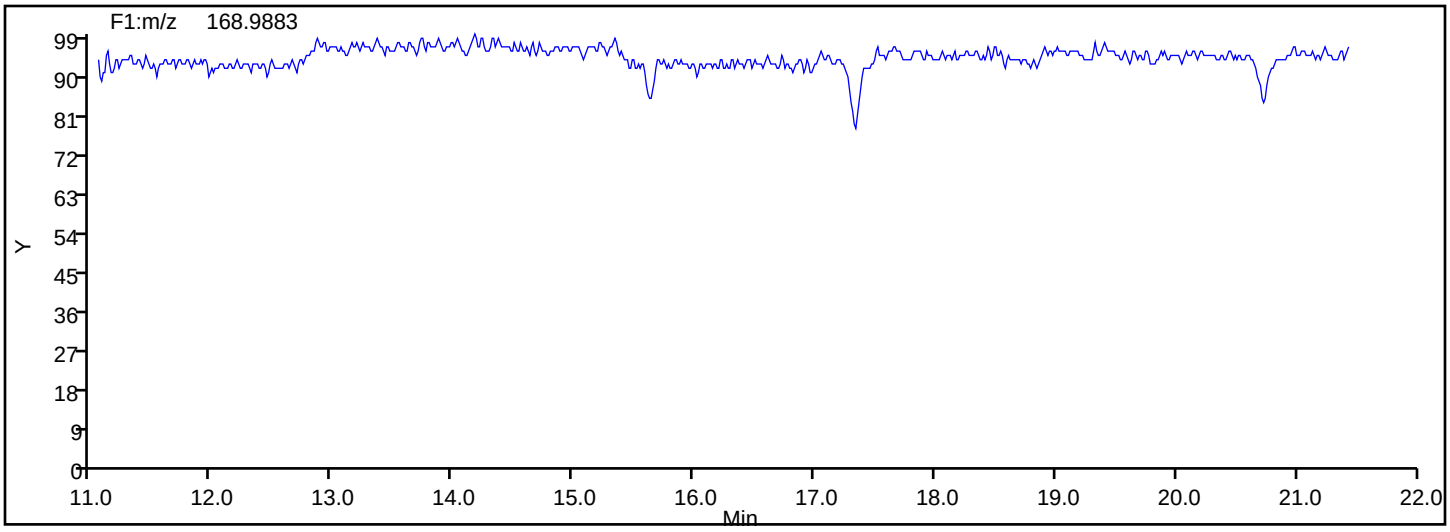
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



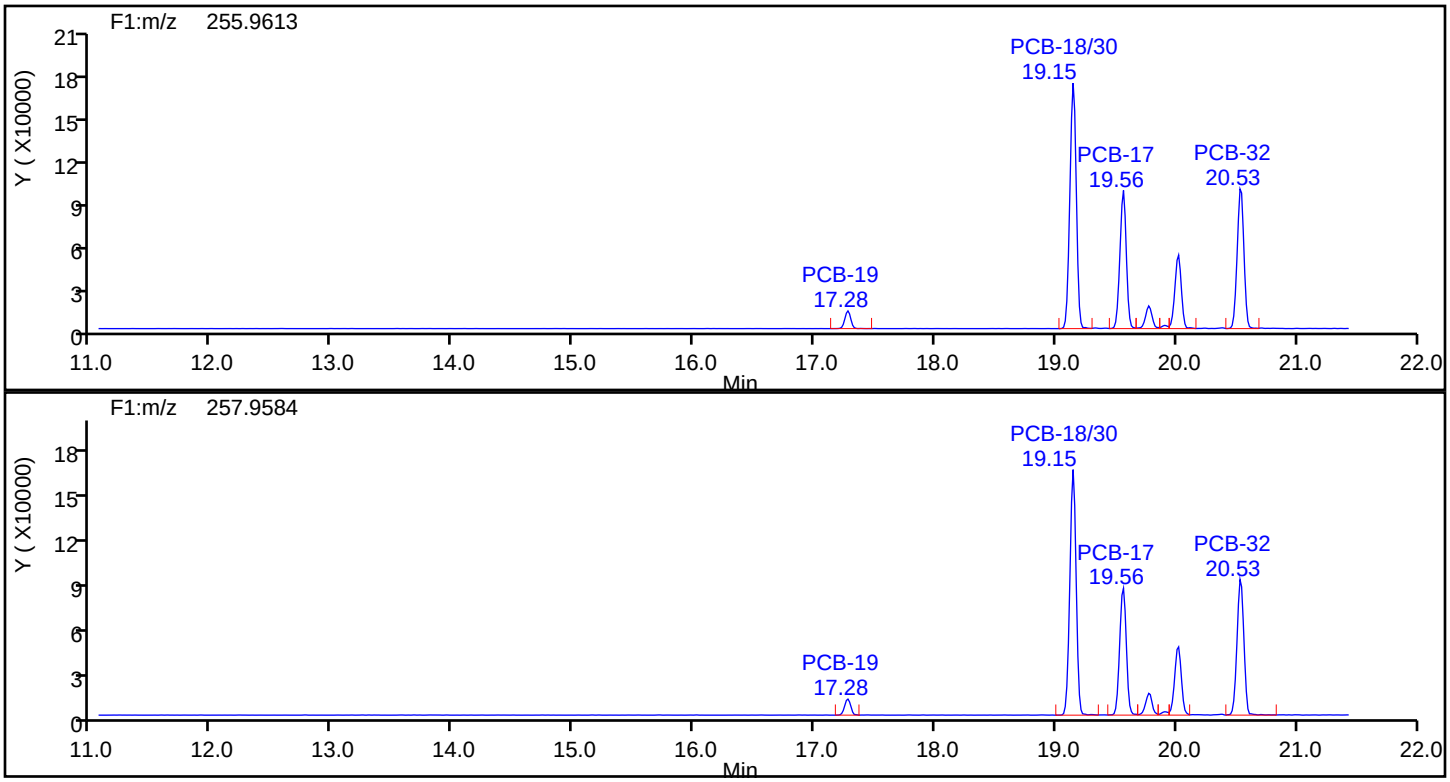

DiPCB F1 Lock Mass



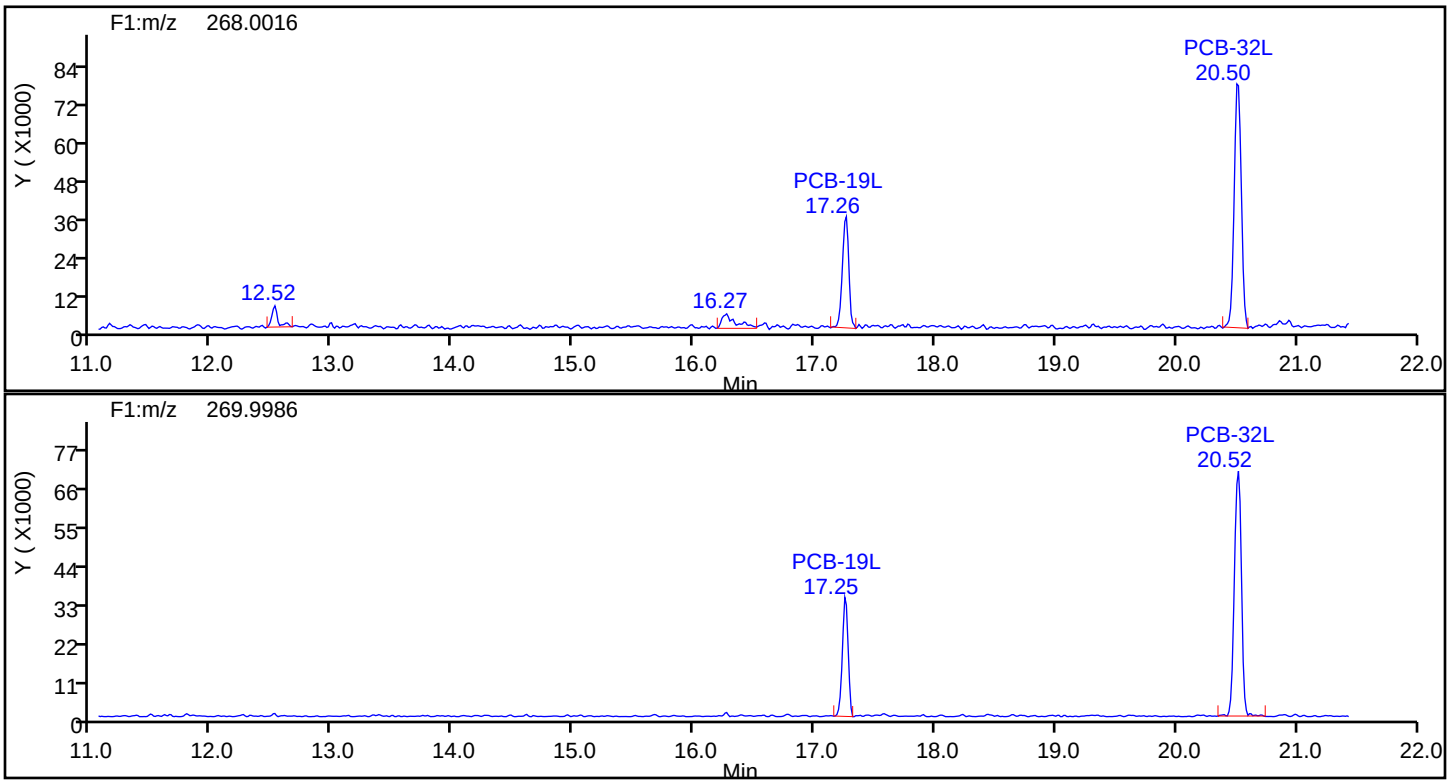
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



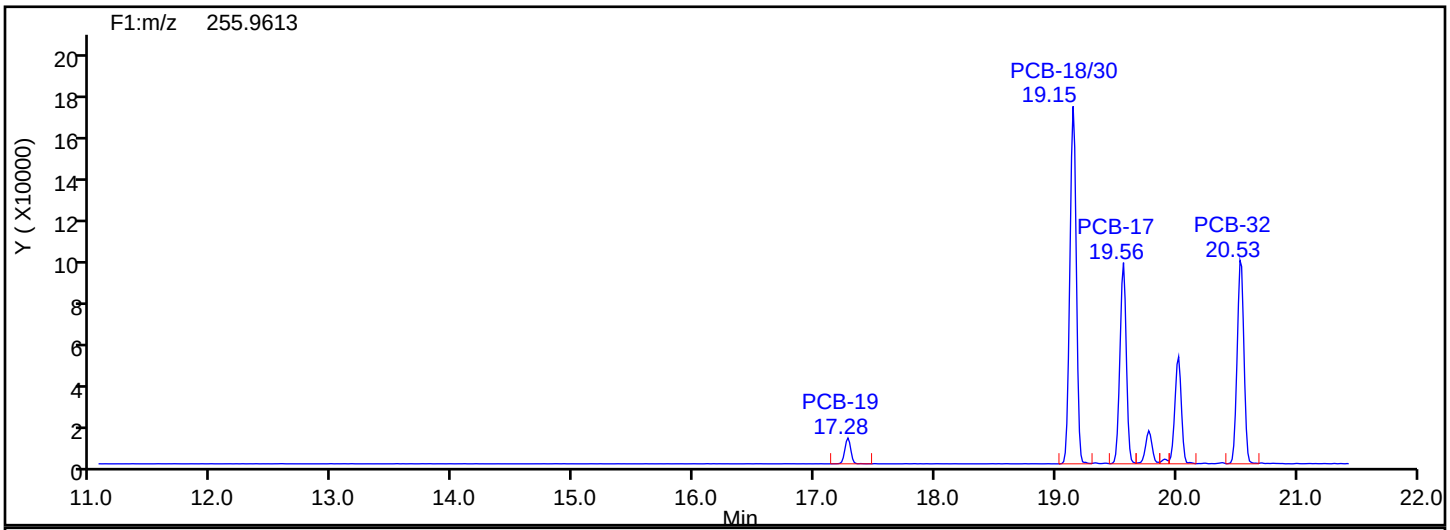

TriPCB F1 Standards

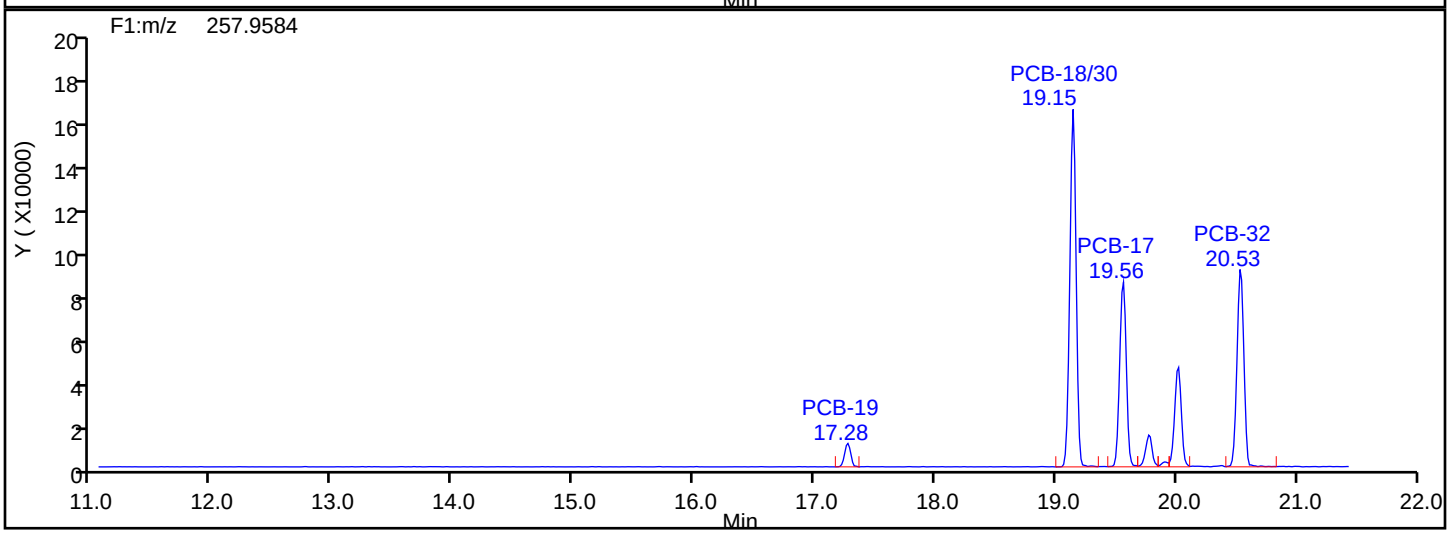


Eurofins TestAmerica, Knoxville

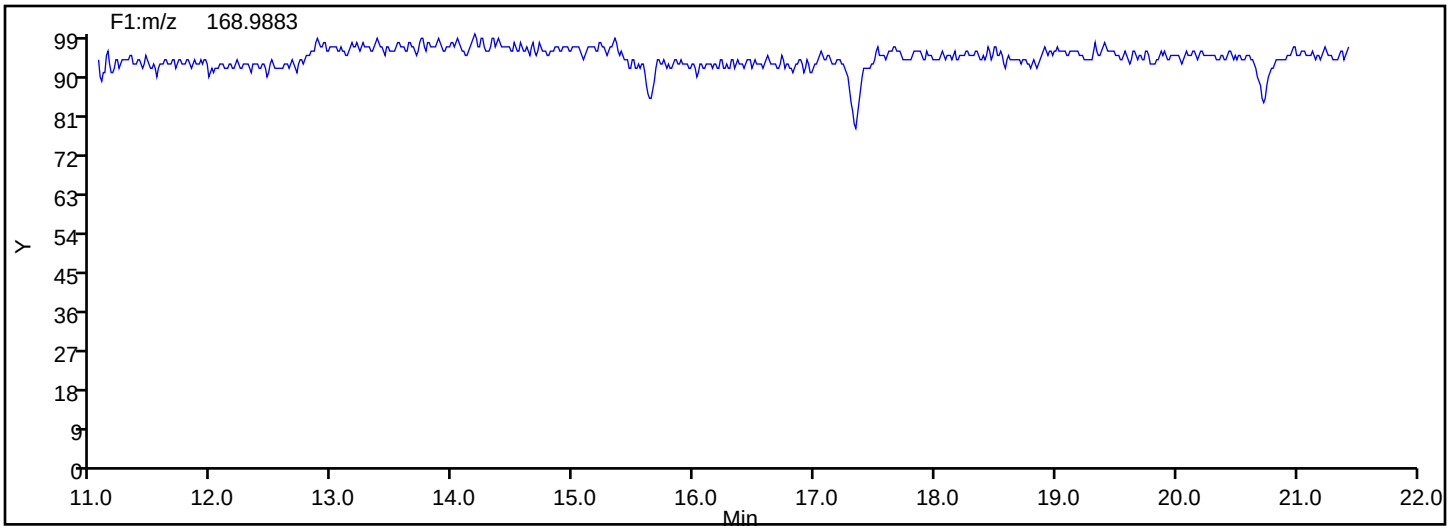
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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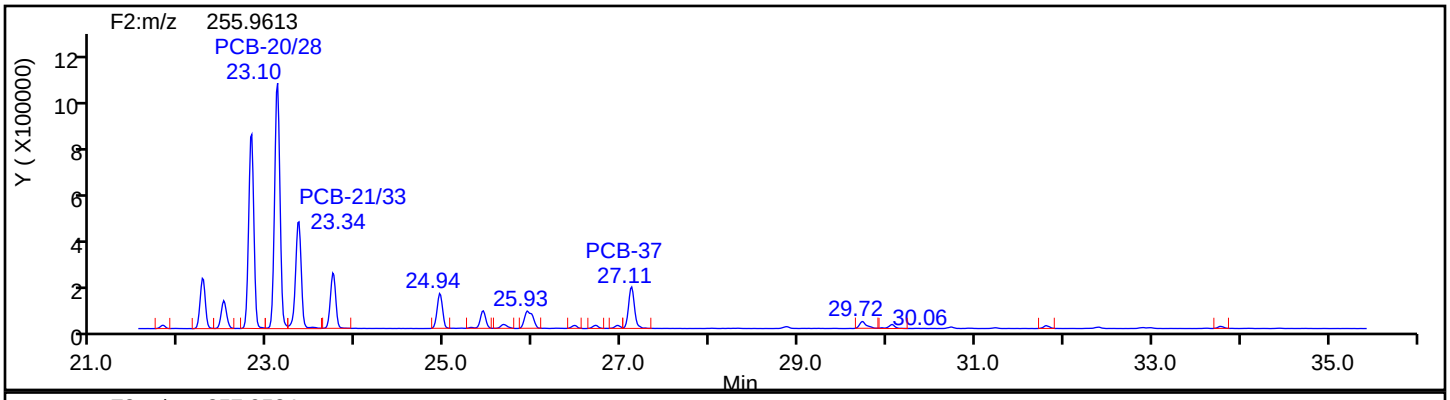
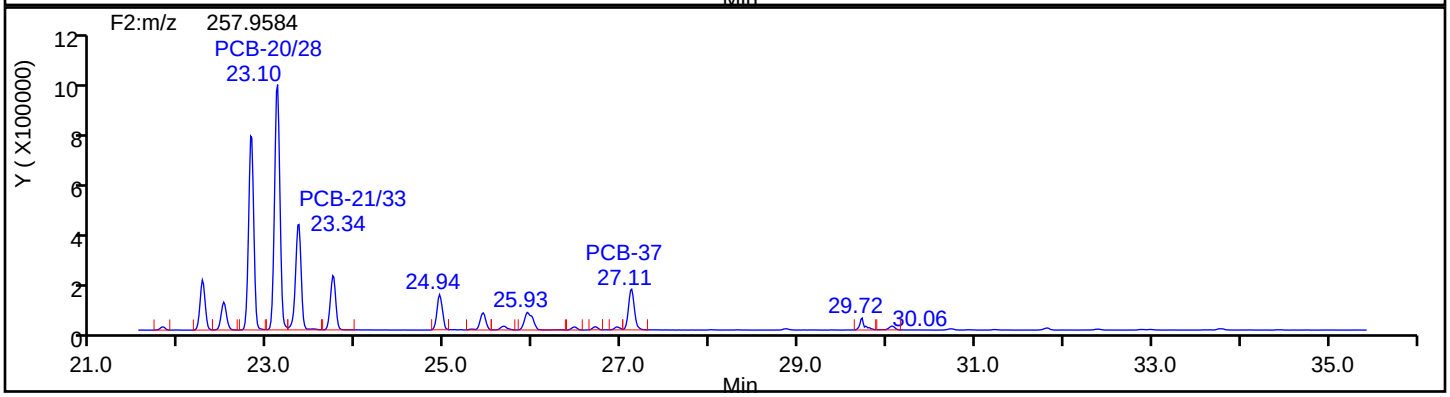
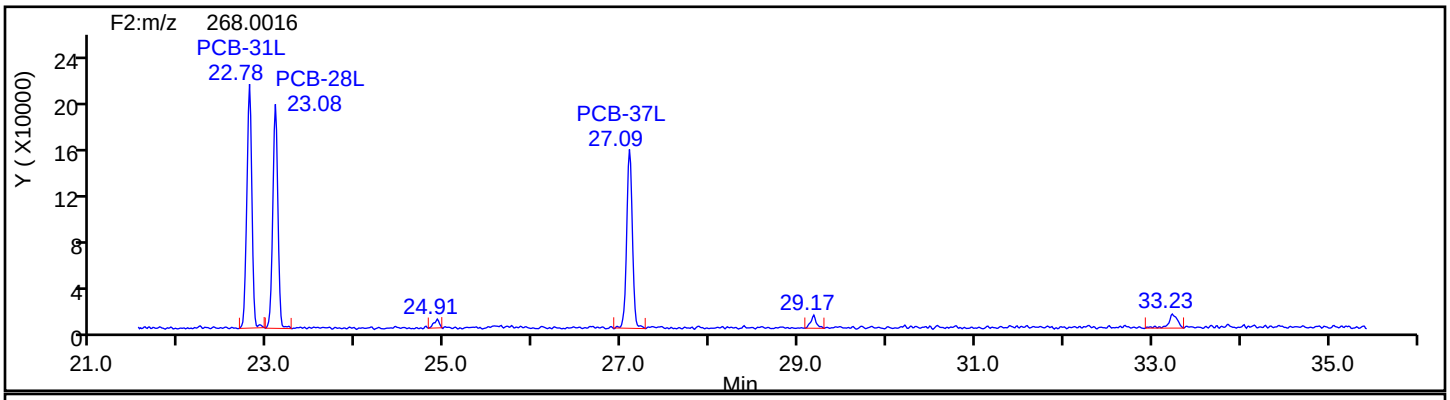
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

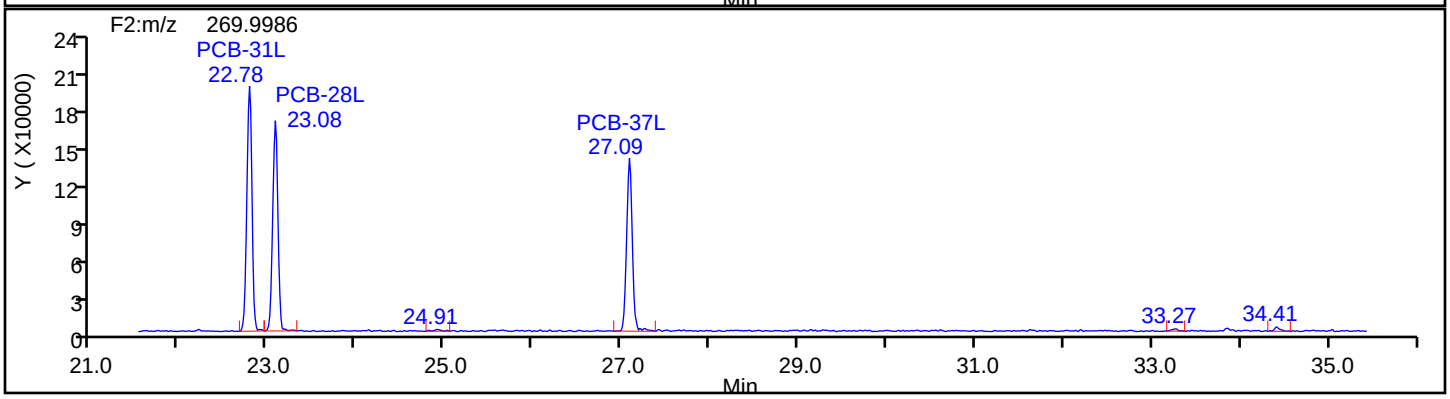
TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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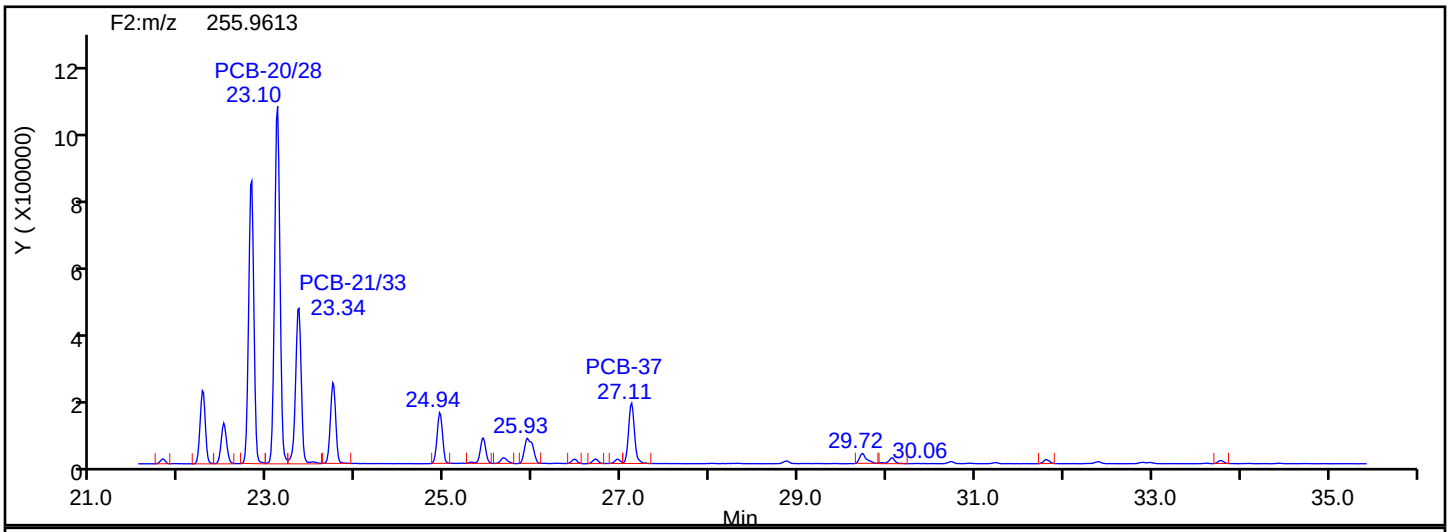
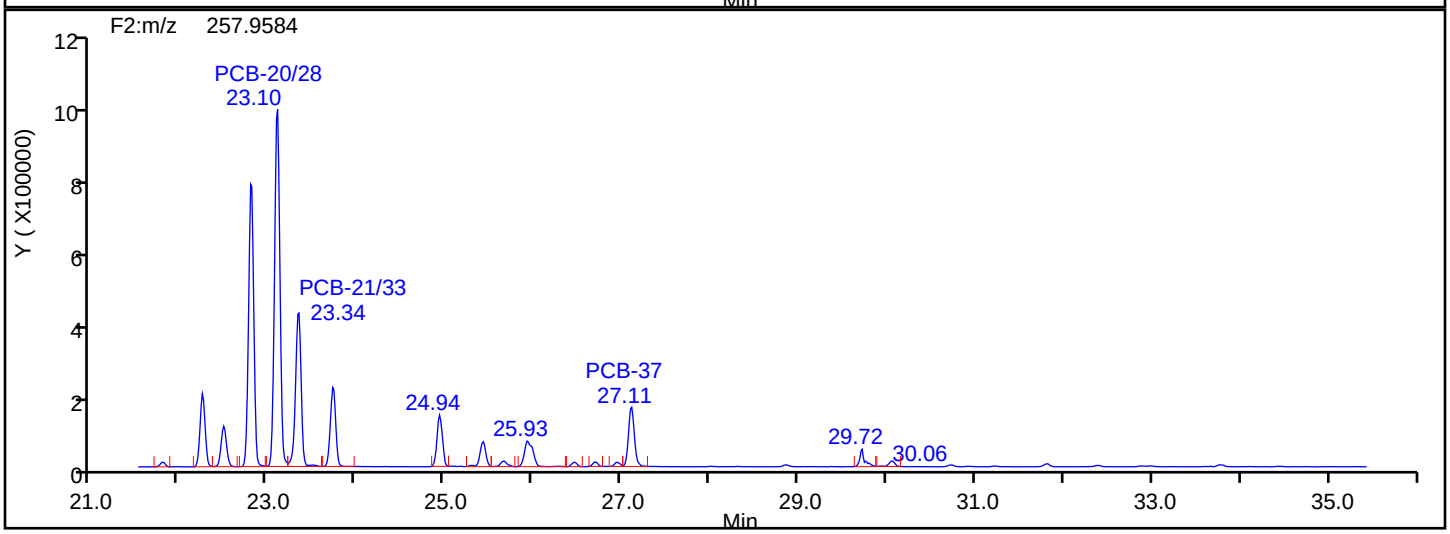
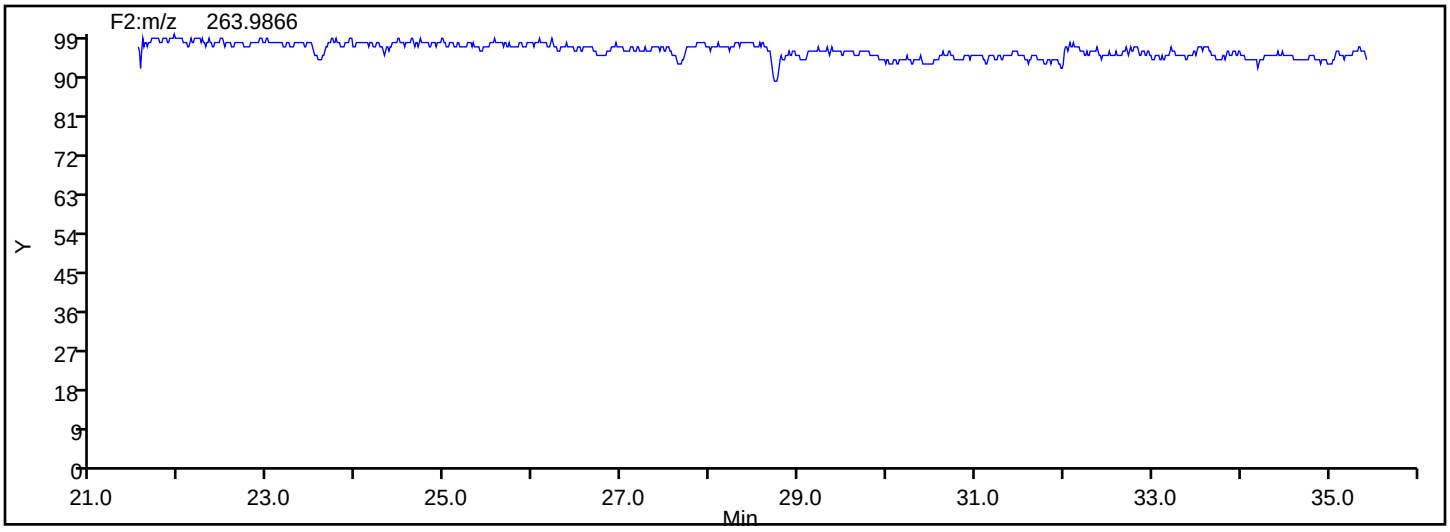
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



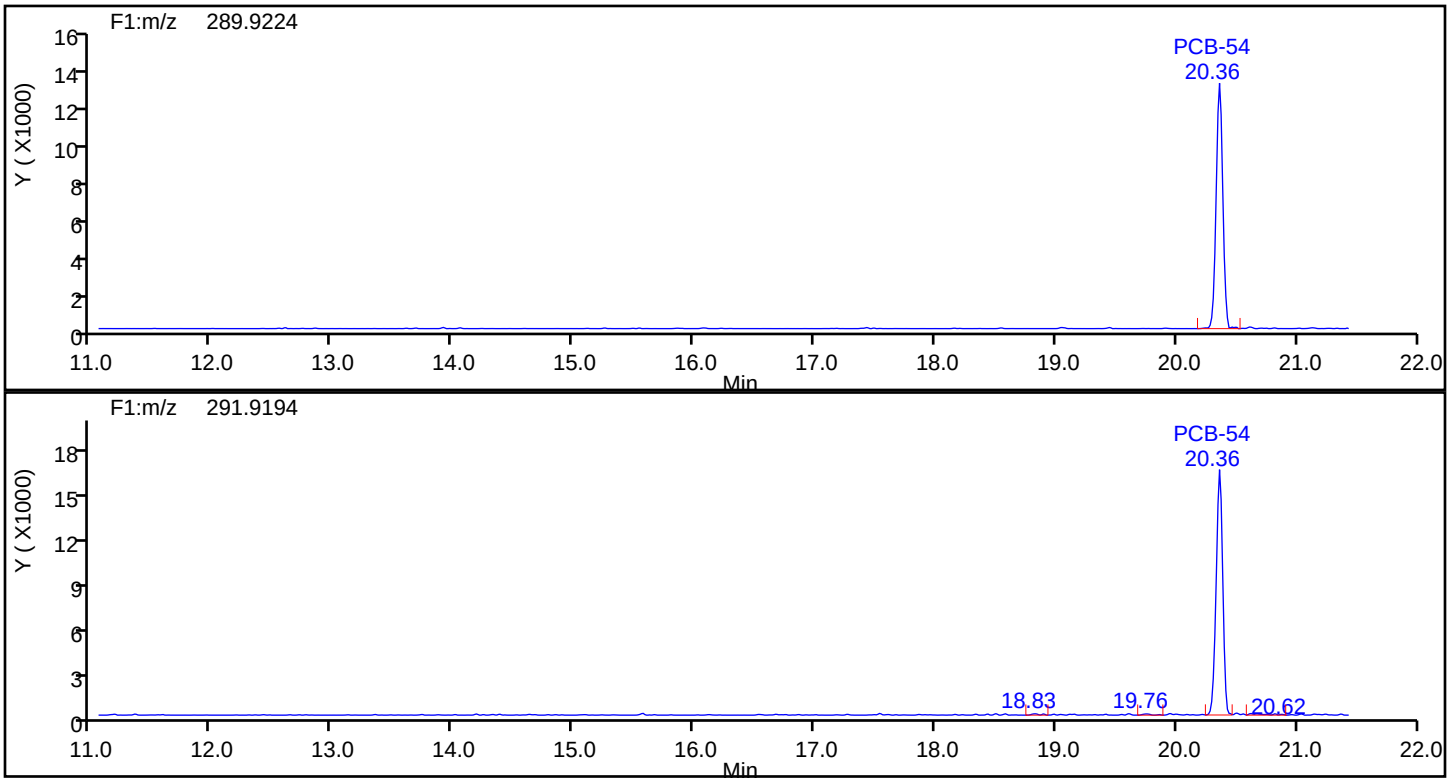

TriPCB F2 Lock Mass



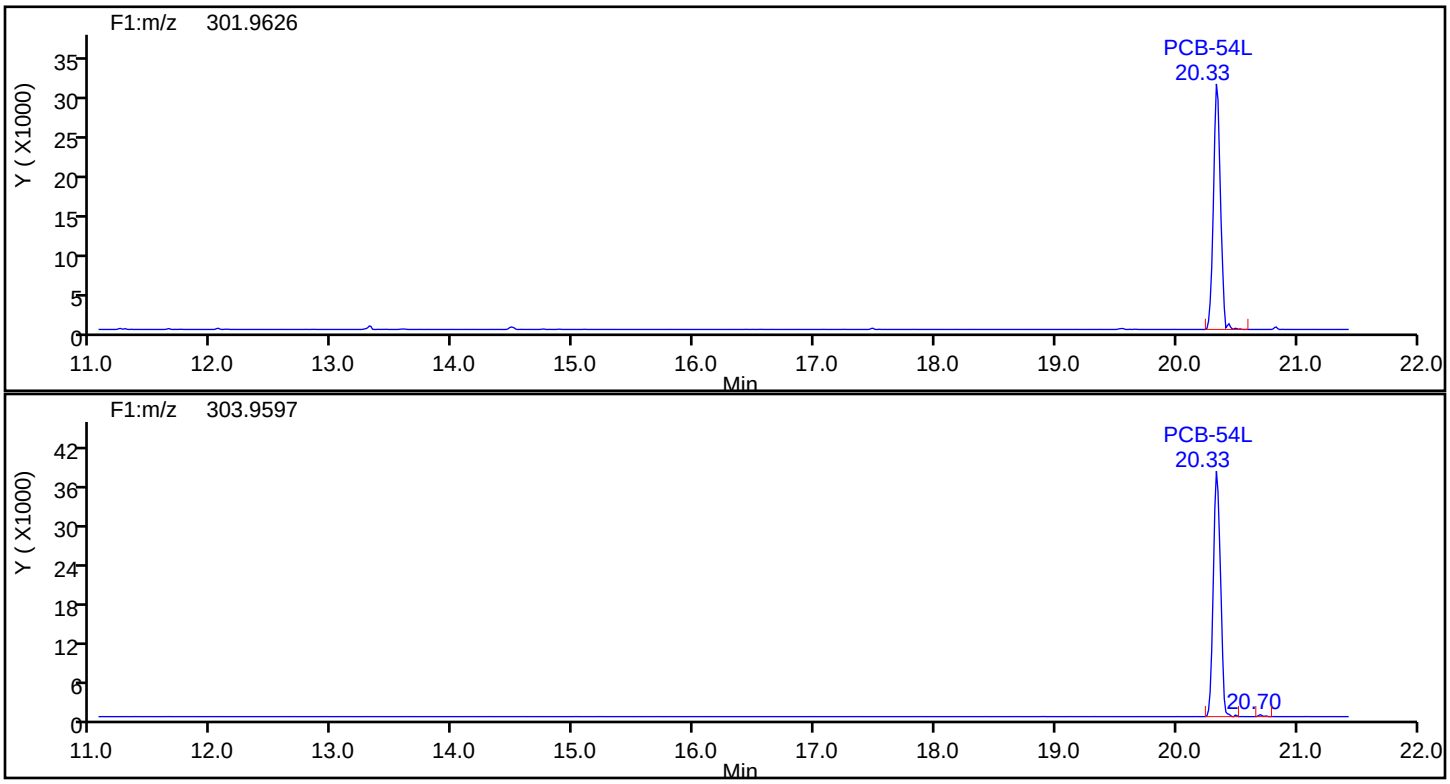
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

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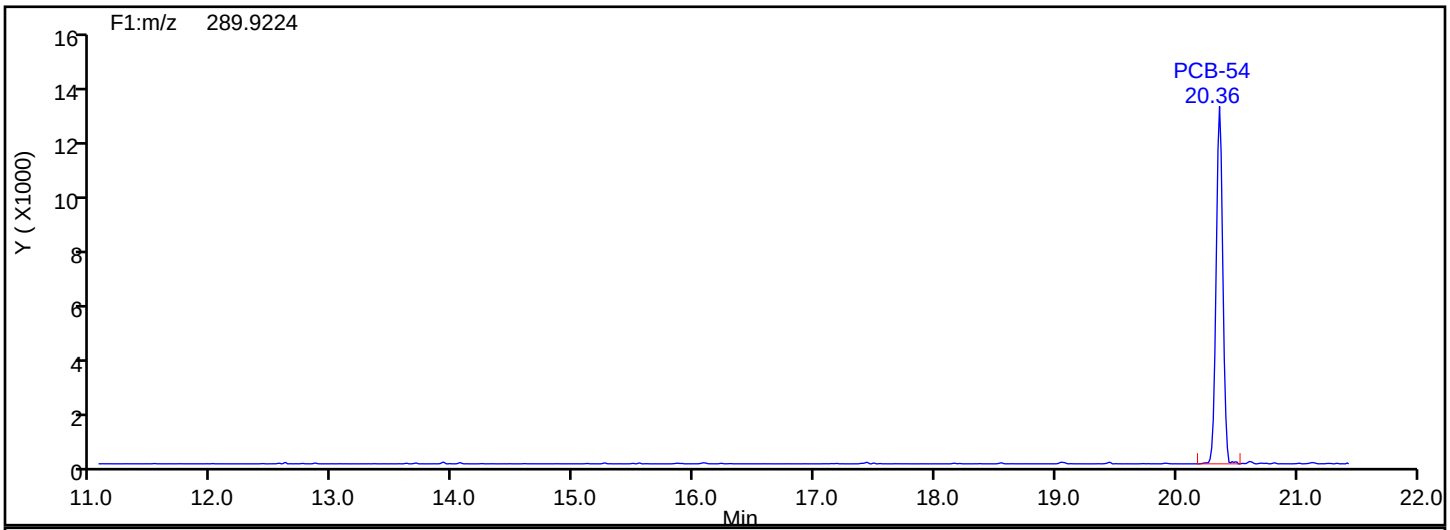
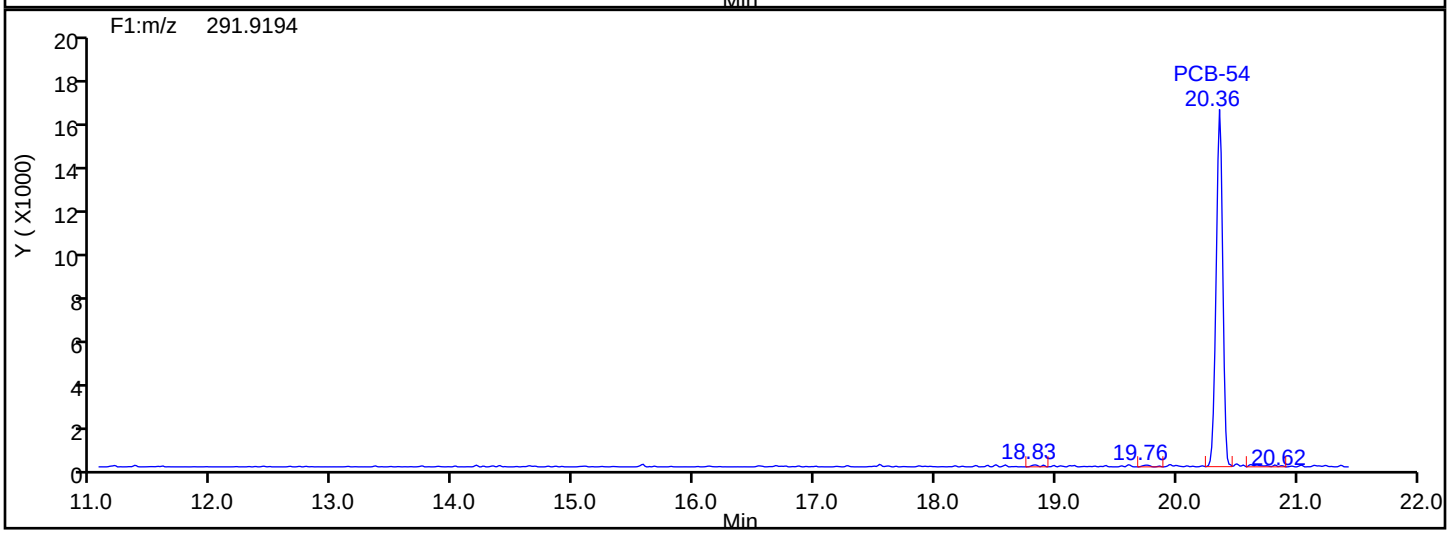
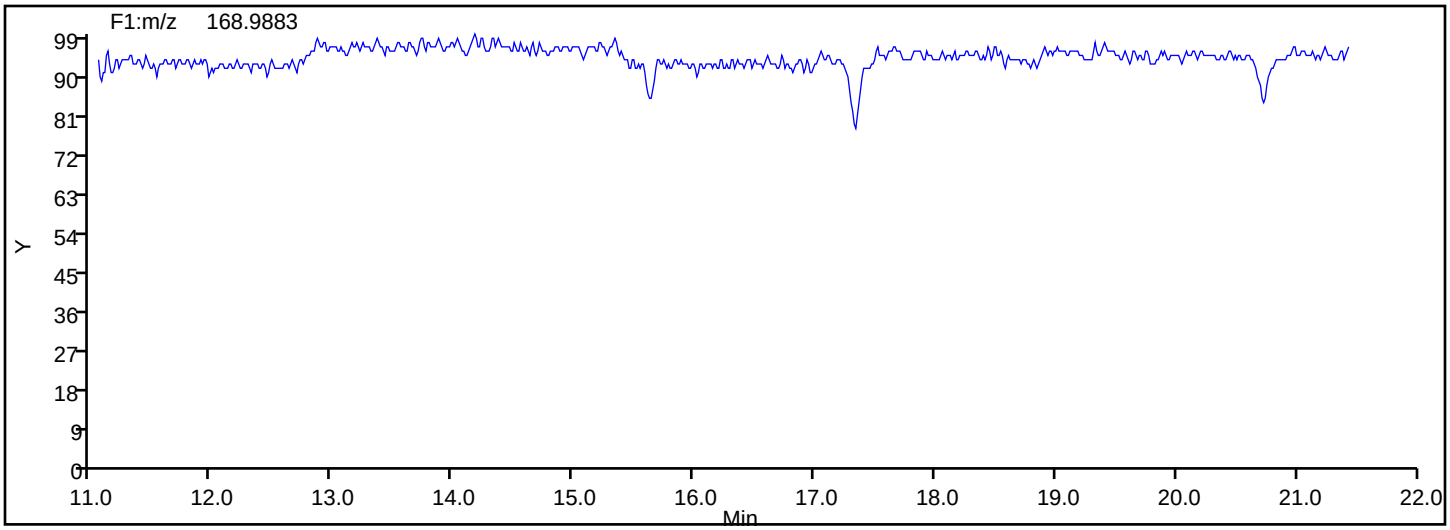
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



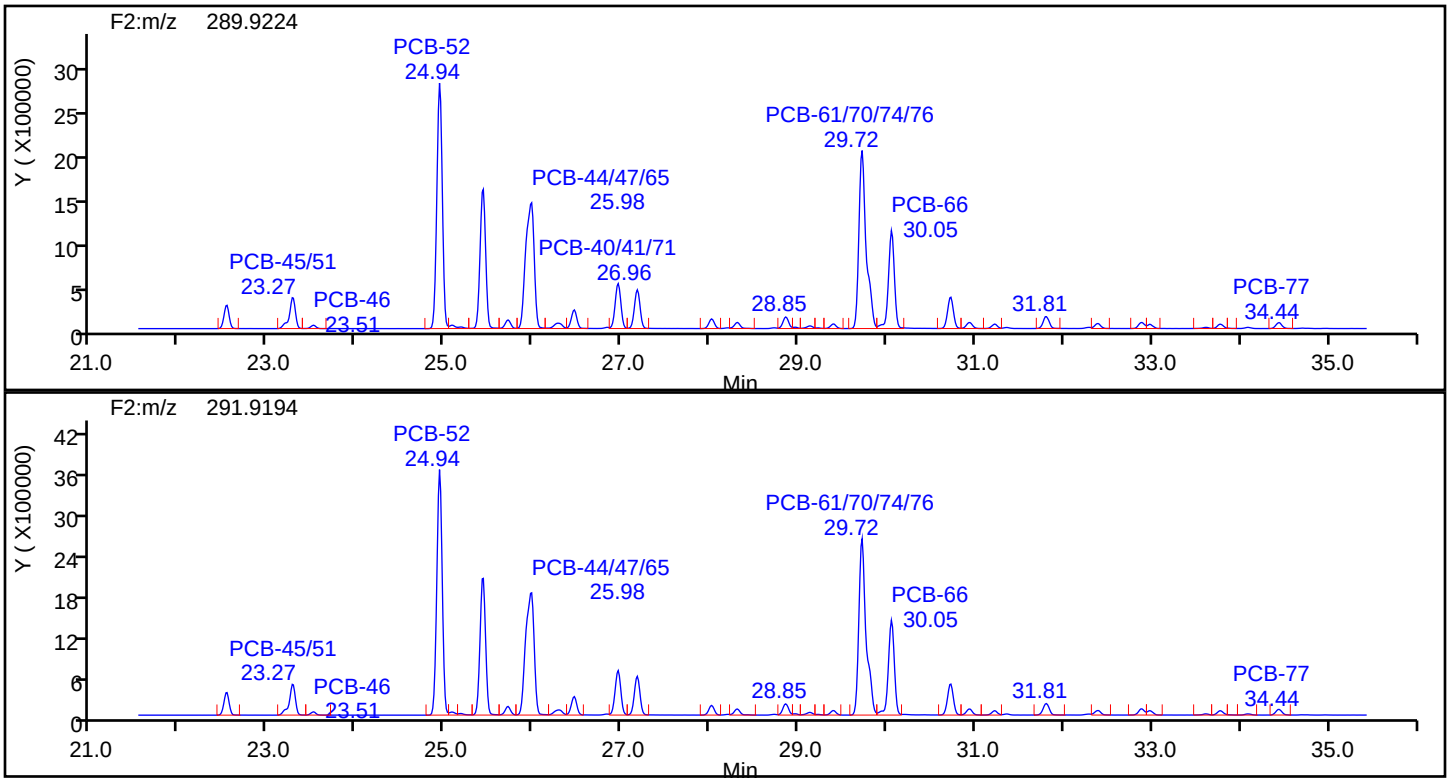

TePCB F1 Lock Mass



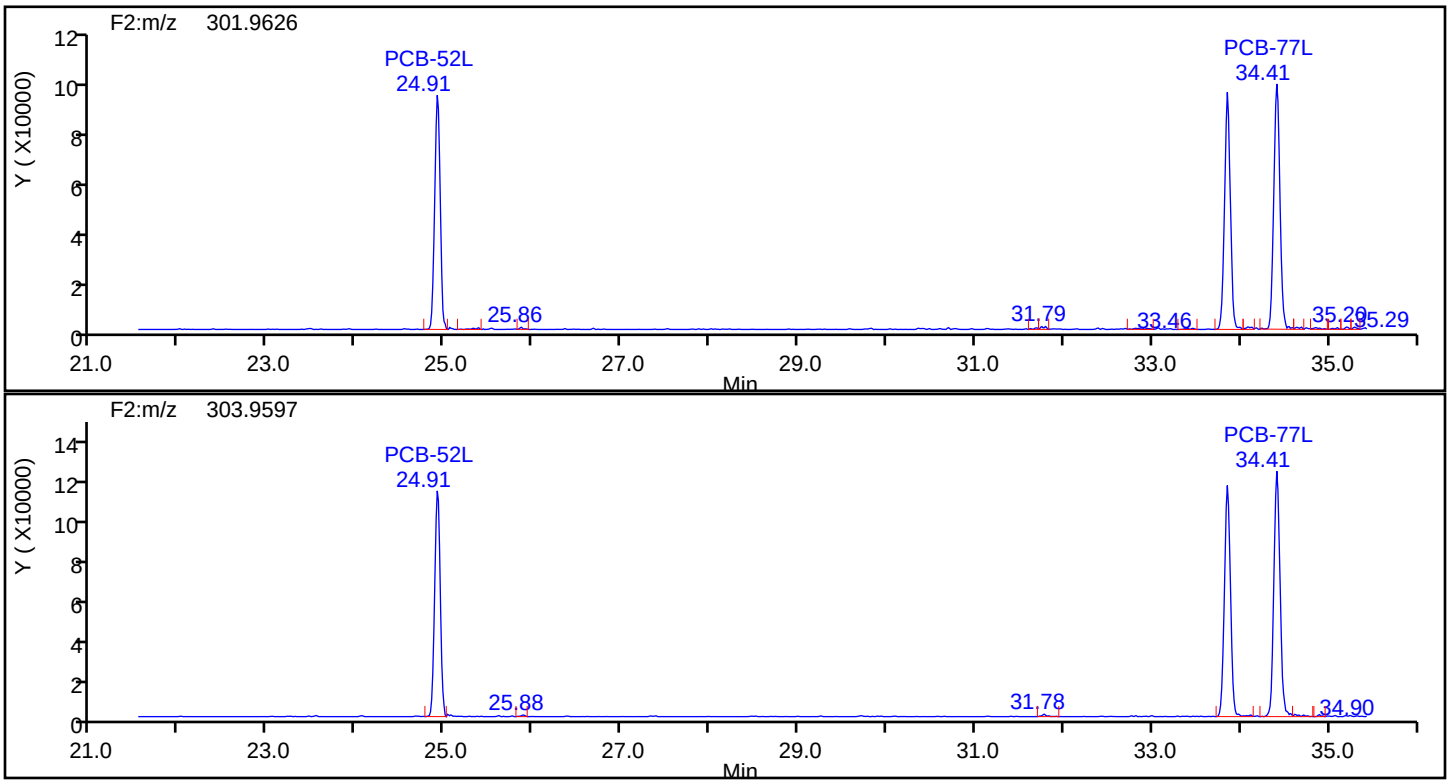
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



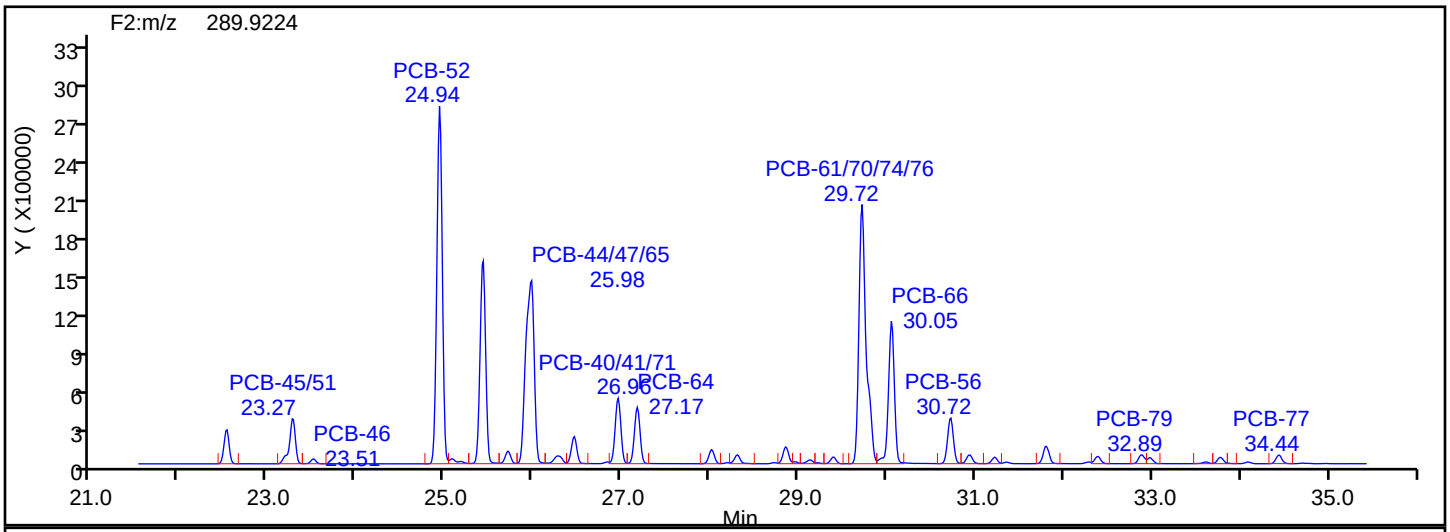

TePCB F2 Standards

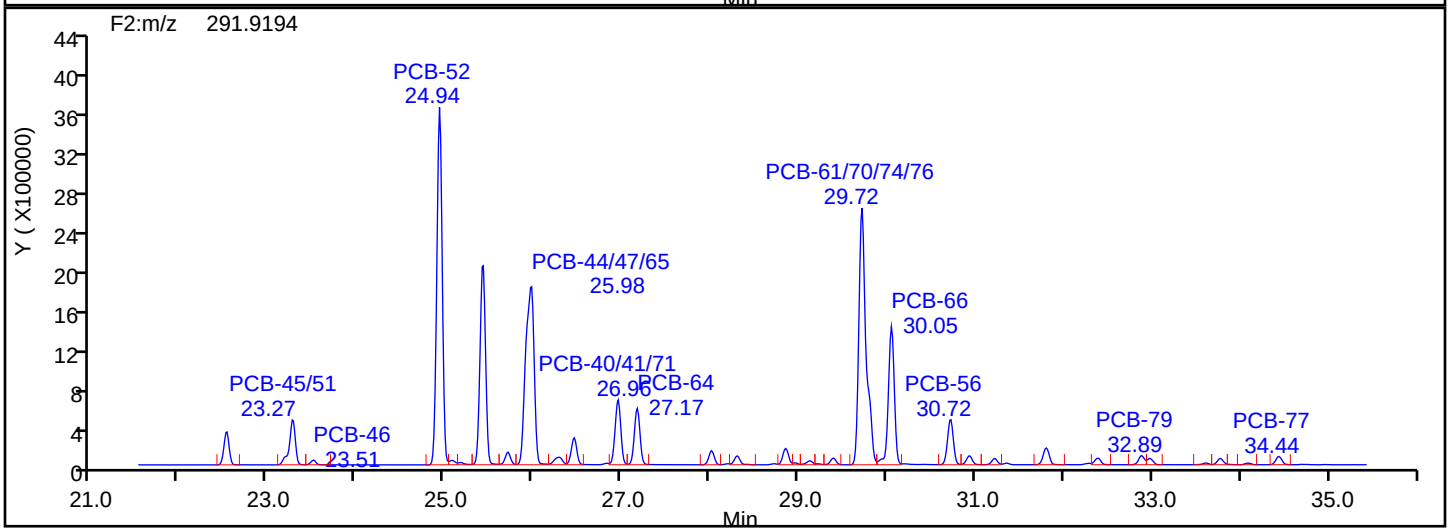


Eurofins TestAmerica, Knoxville

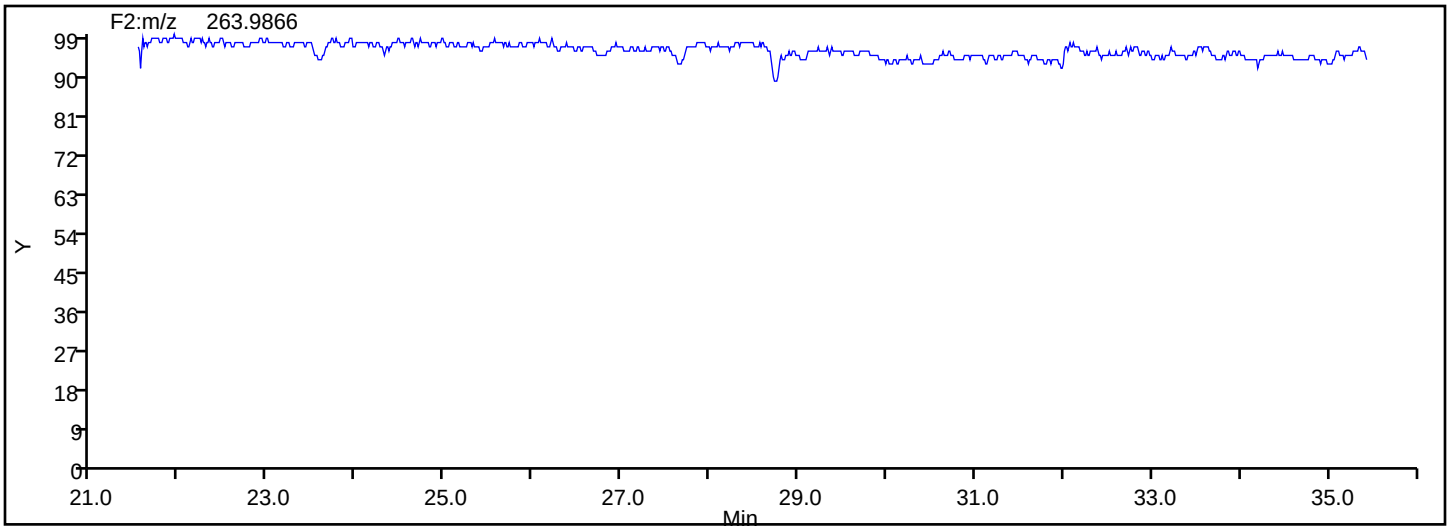
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

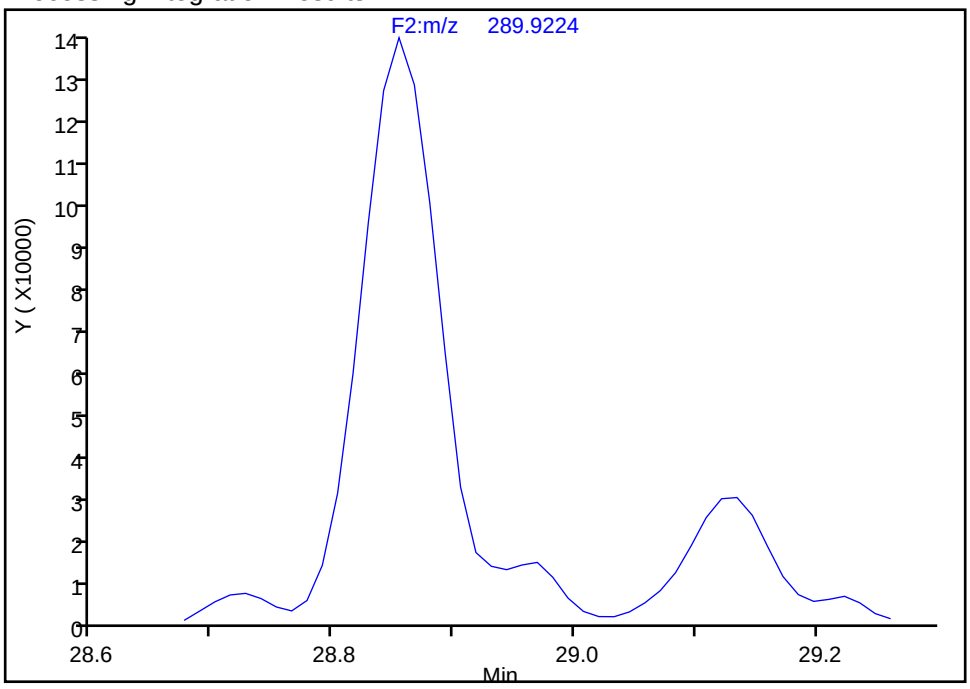
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

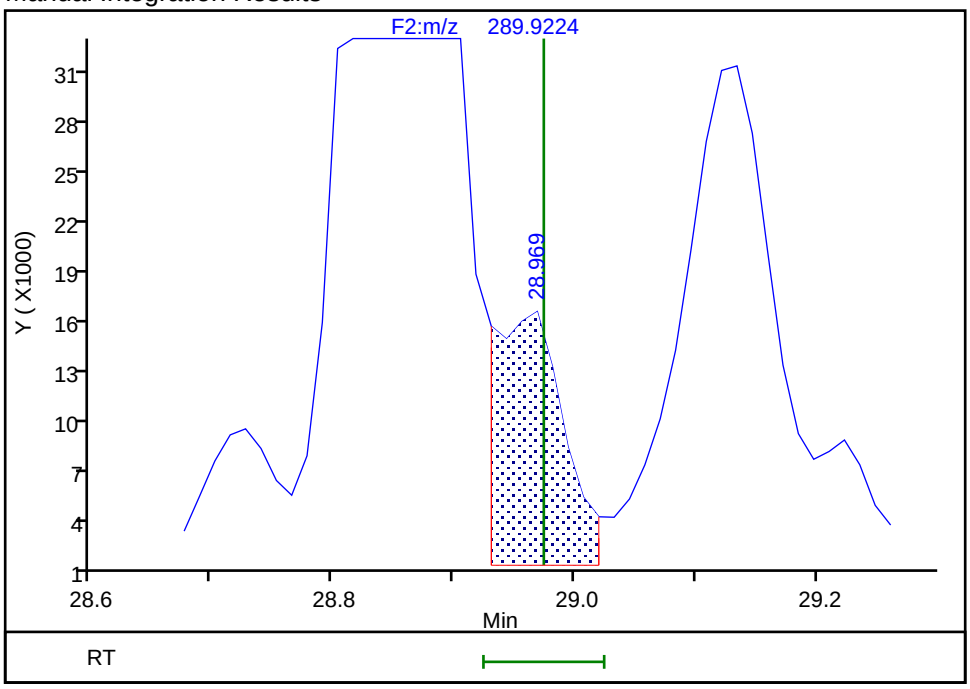
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 28.97
Area: 56552
Amount: 1.958661
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:28:14
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

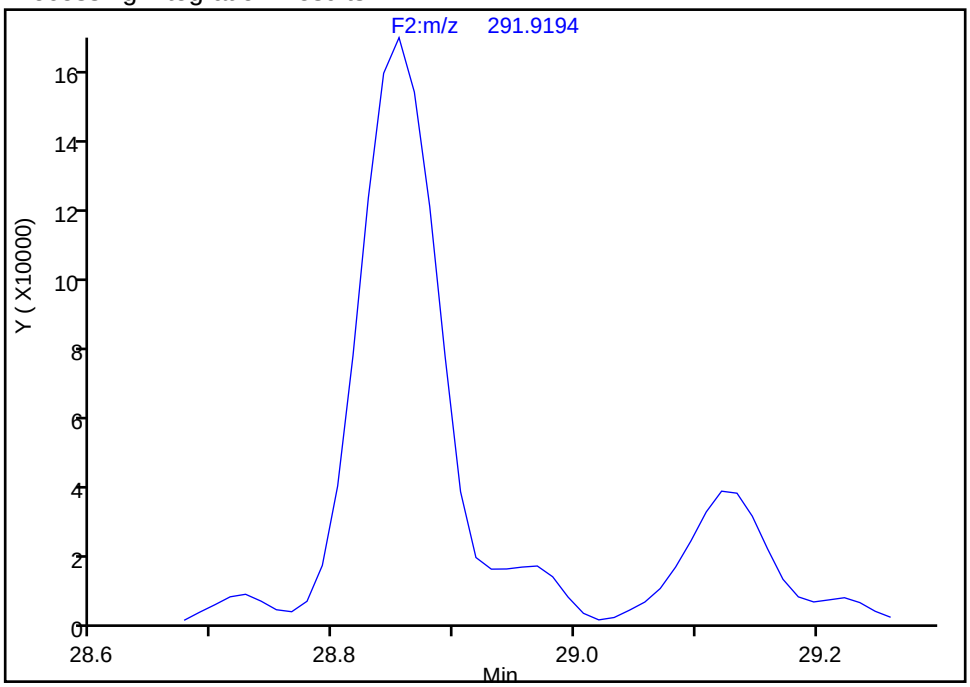
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

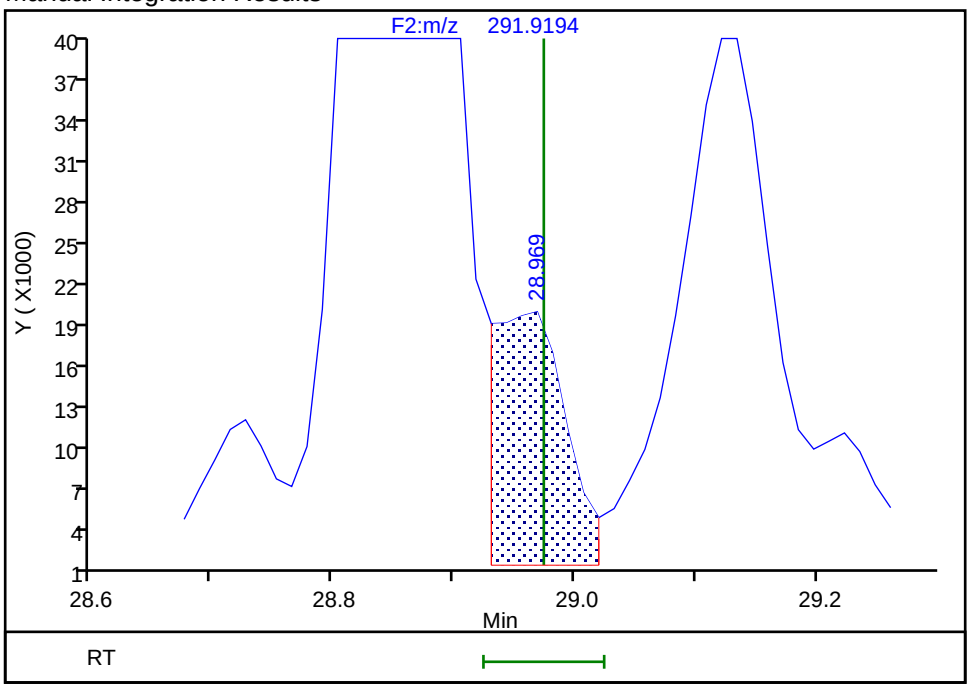
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 28.97
Area: 71835
Amount: 1.958661
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:28:18
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

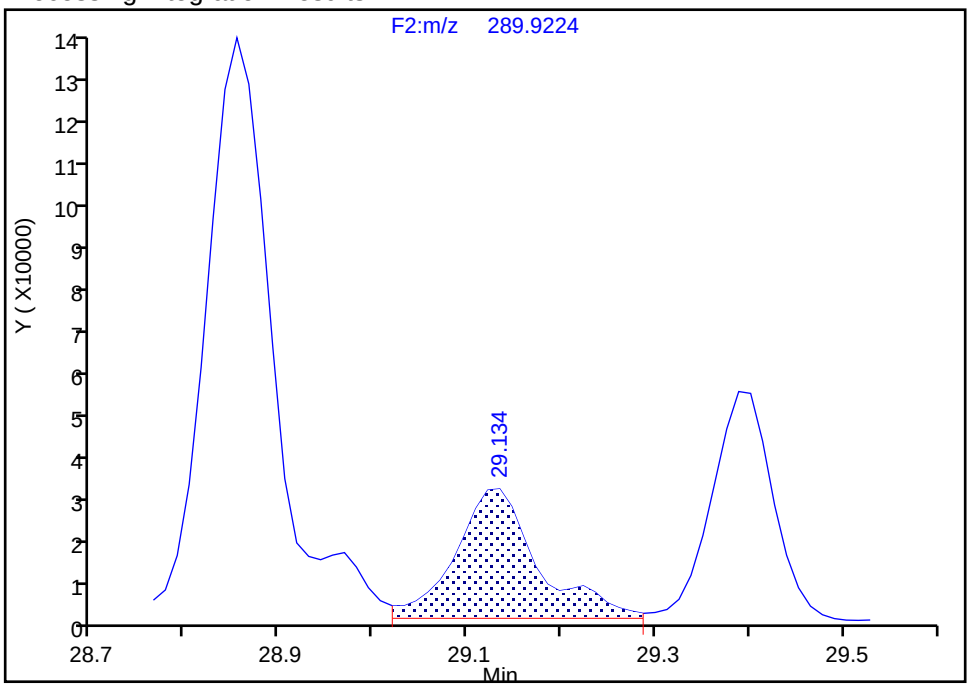
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-67, CAS: 73575-53-8

Signal: 1

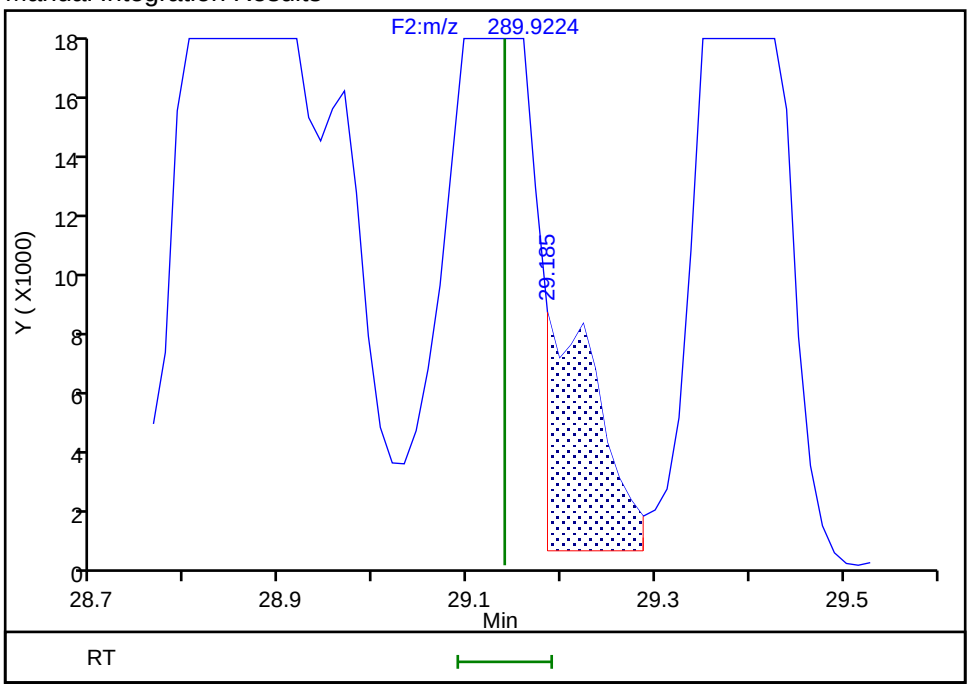
Processing Integration Results

RT: 29.13
Area: 180467
Amount: 6.072913
Amount Units: pg/ul




Manual Integration Results

RT: 29.19
Area: 29361
Amount: 1.024797
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:28:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

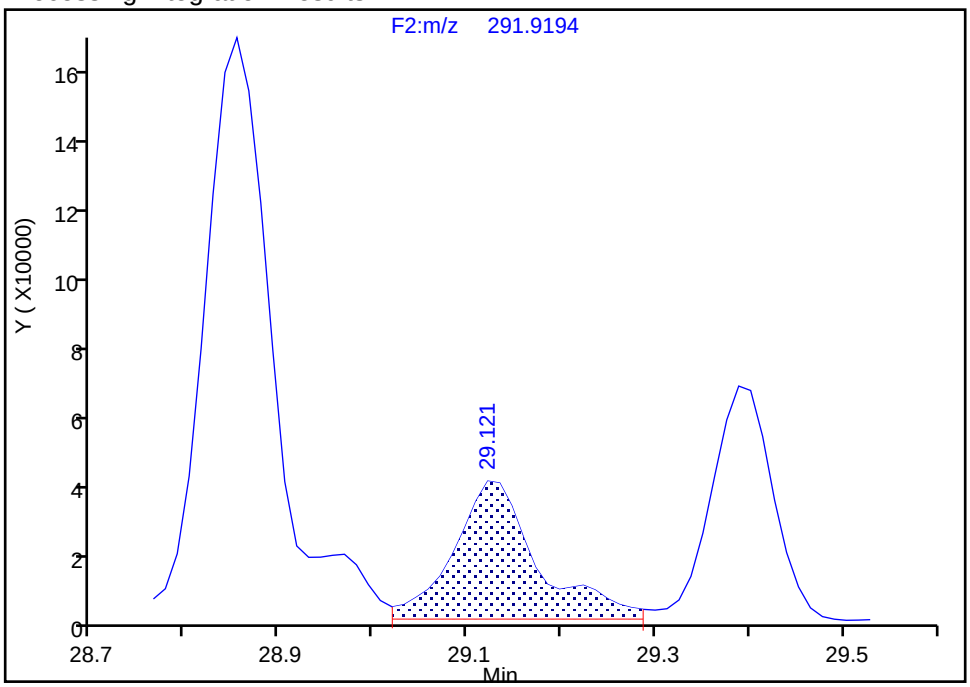
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-67, CAS: 73575-53-8

Signal: 2

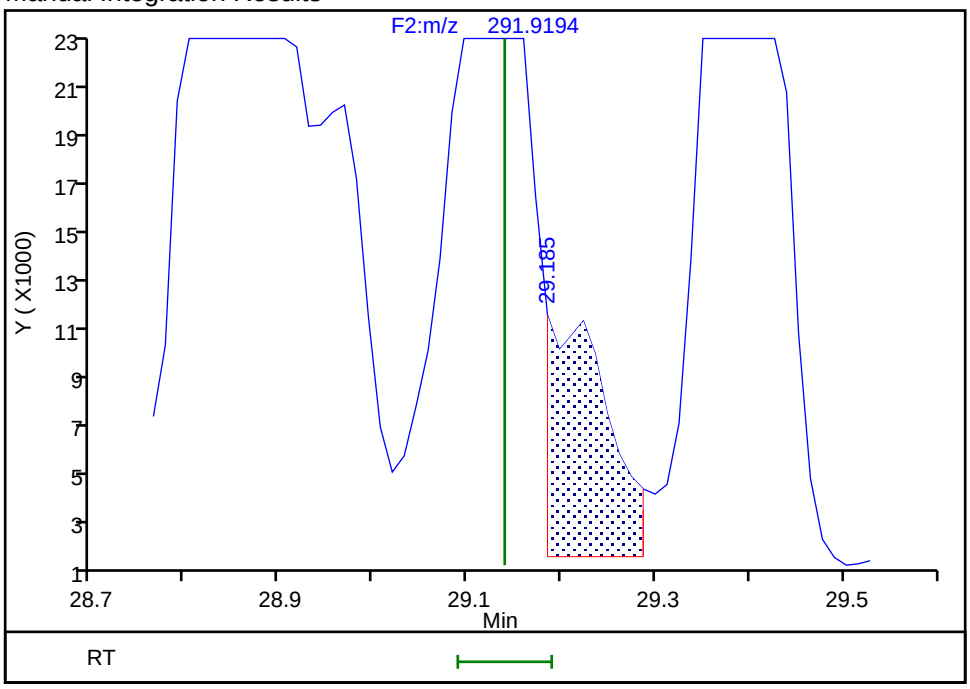
Processing Integration Results

RT: 29.12
Area: 239619
Amount: 6.072913
Amount Units: pg/ul




Manual Integration Results

RT: 29.19
Area: 41528
Amount: 1.024797
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:28:29

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

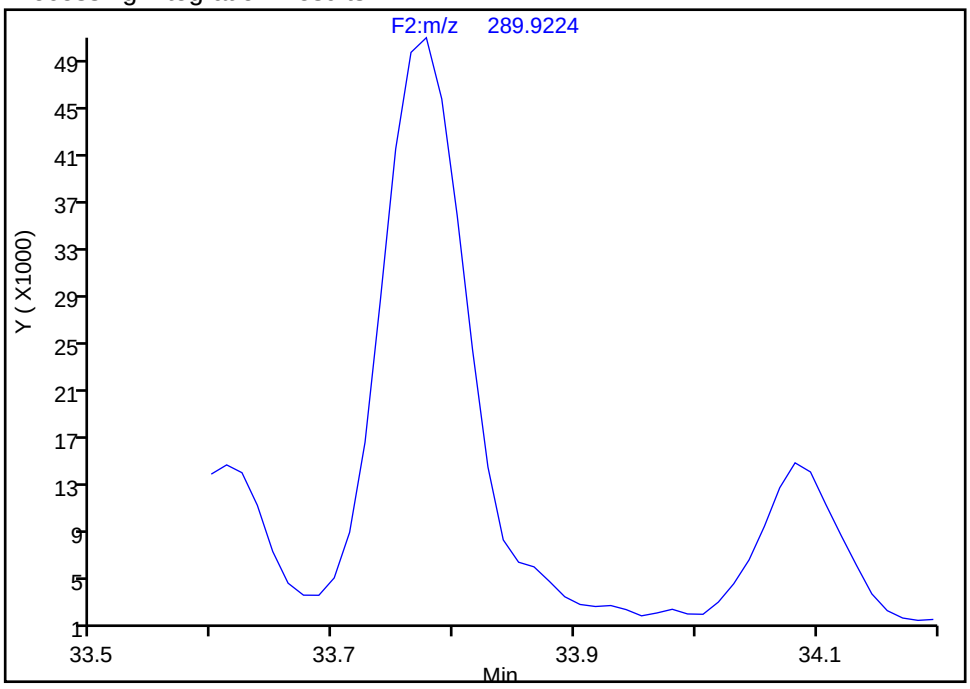
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

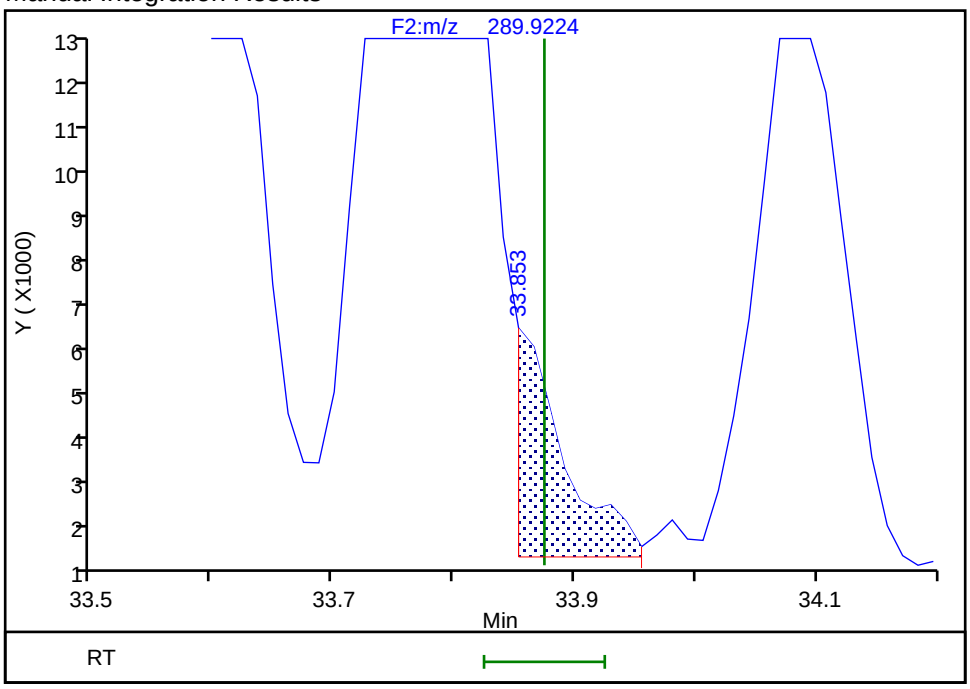
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.85
Area: 12120
Amount: 0.424222
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:29:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

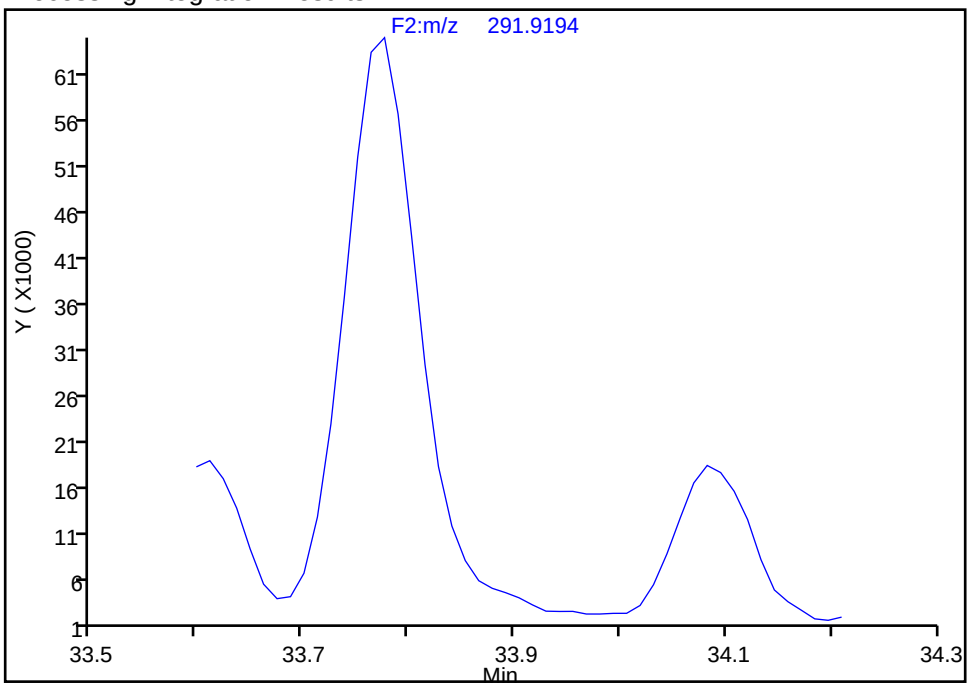
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

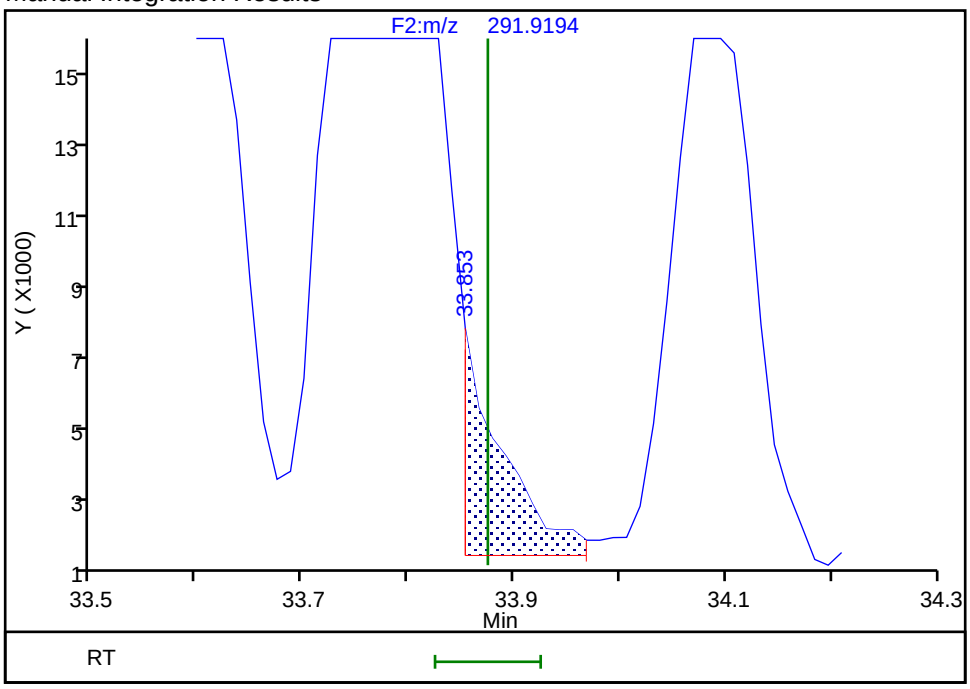
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.85
Area: 14442
Amount: 0.424222
Amount Units: pg/ul

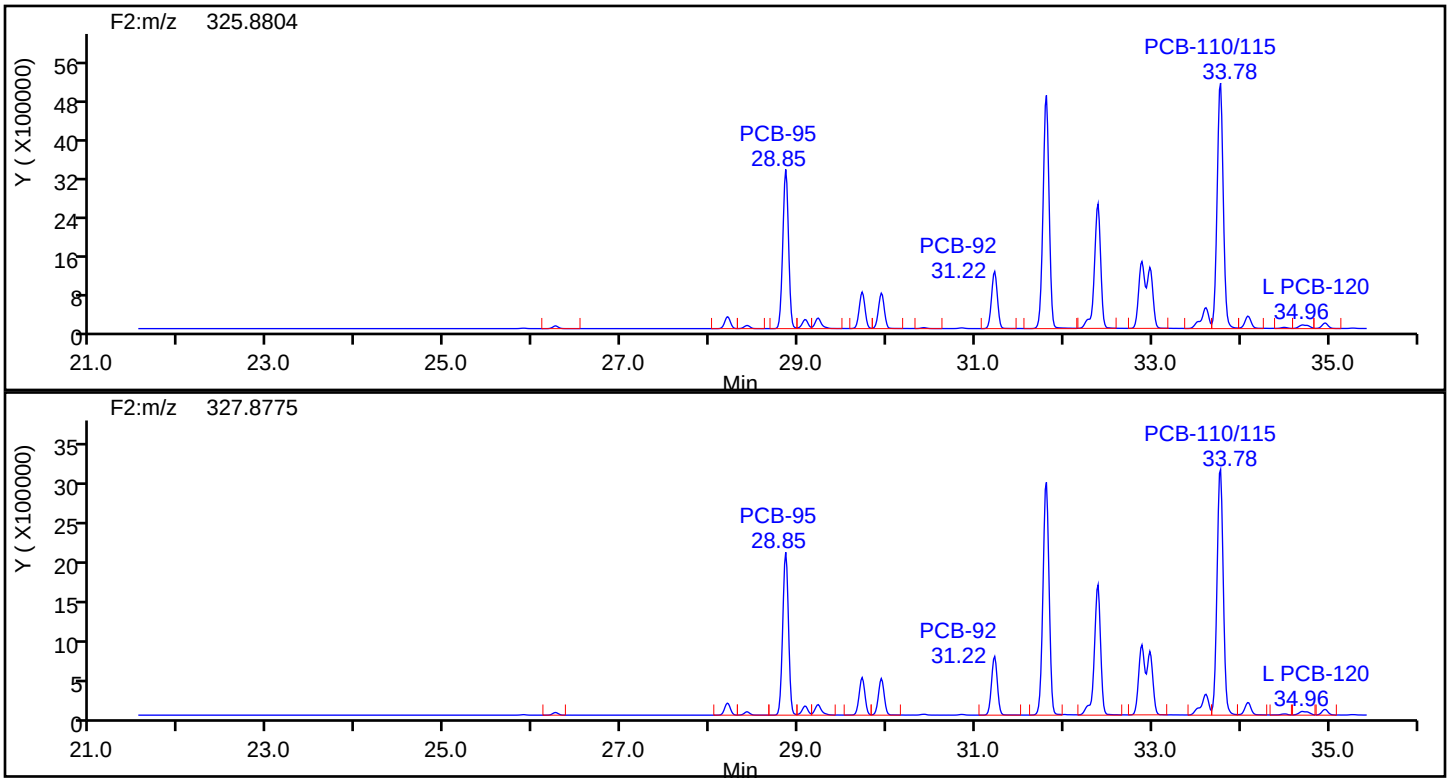



Reviewer: davidsonm, 10-Oct-2019 08:29:05
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

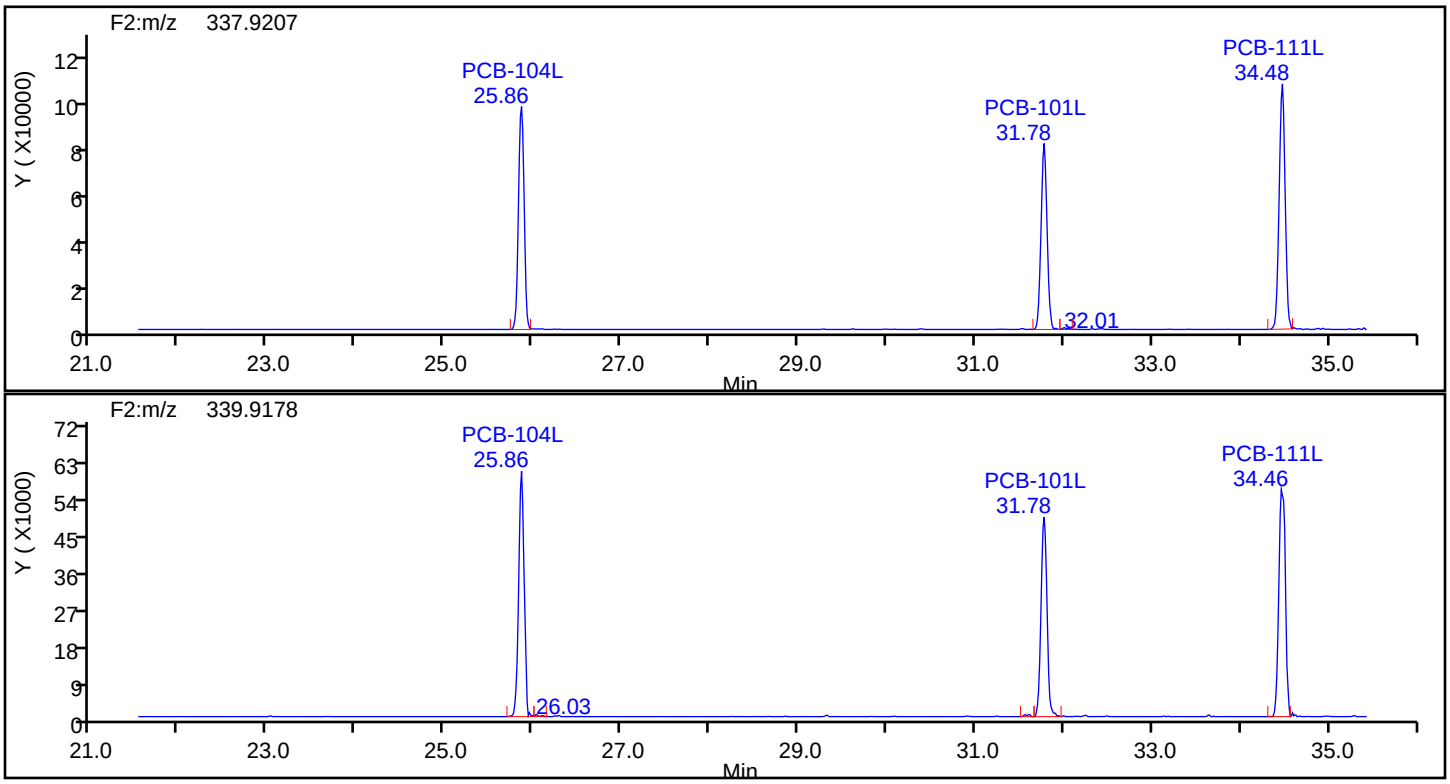
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



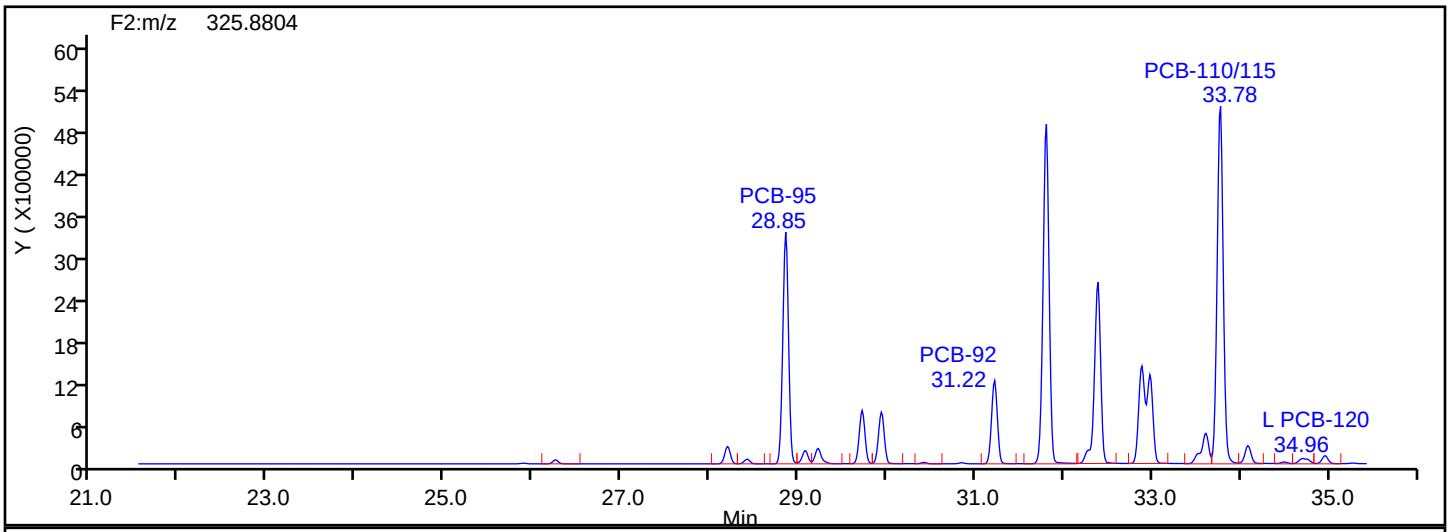

PePCB F2 Standards

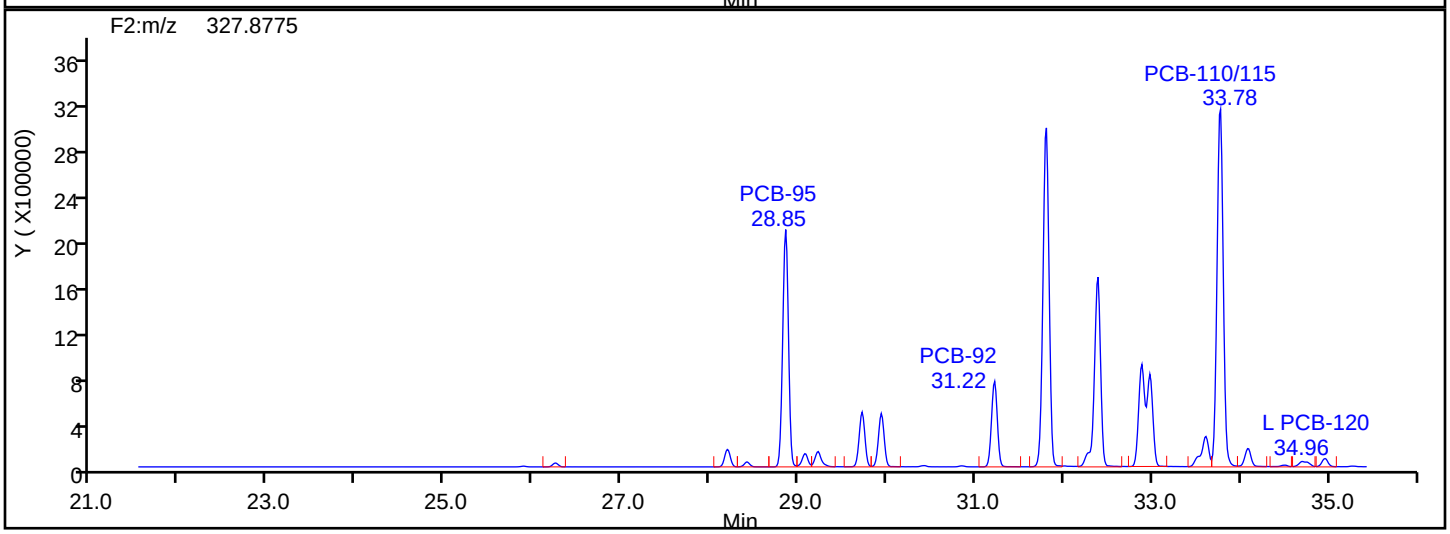


Eurofins TestAmerica, Knoxville

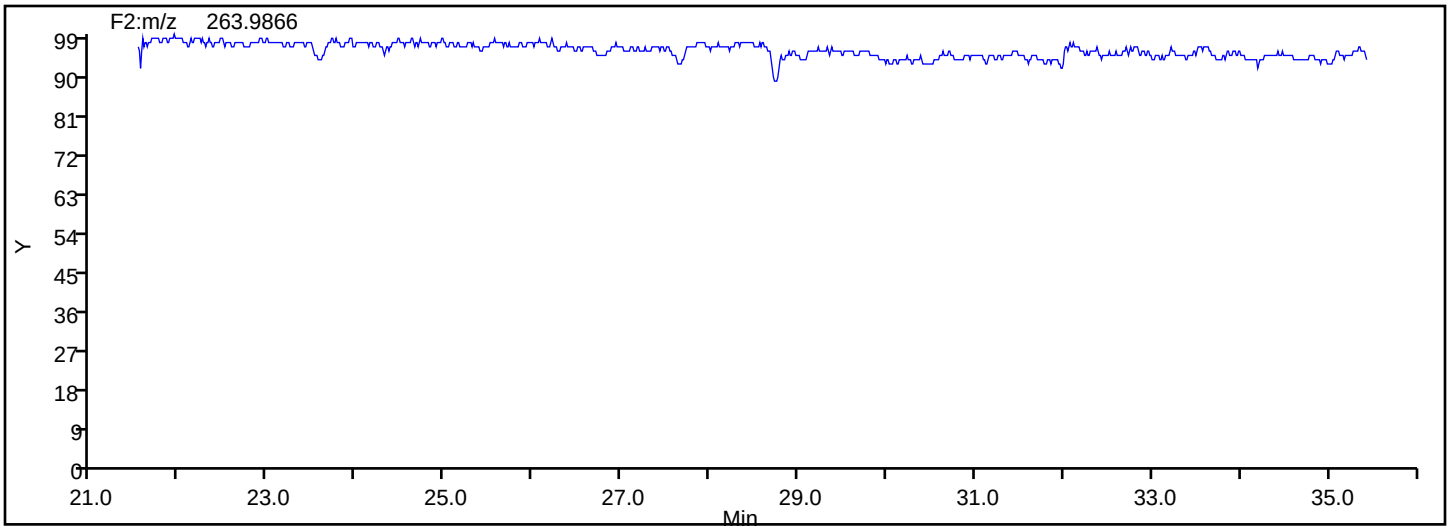
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

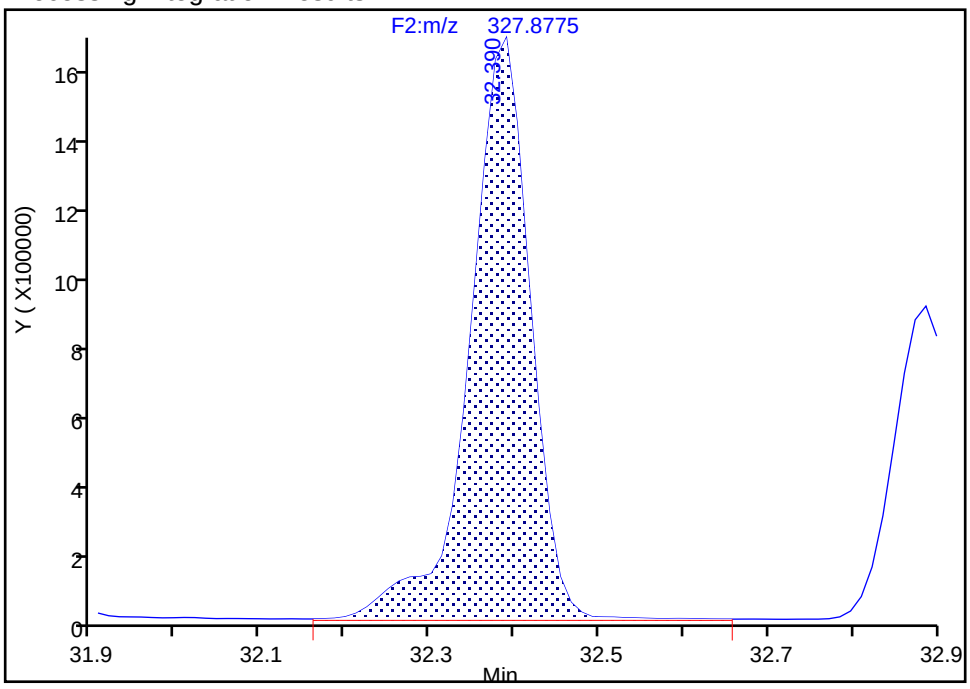
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

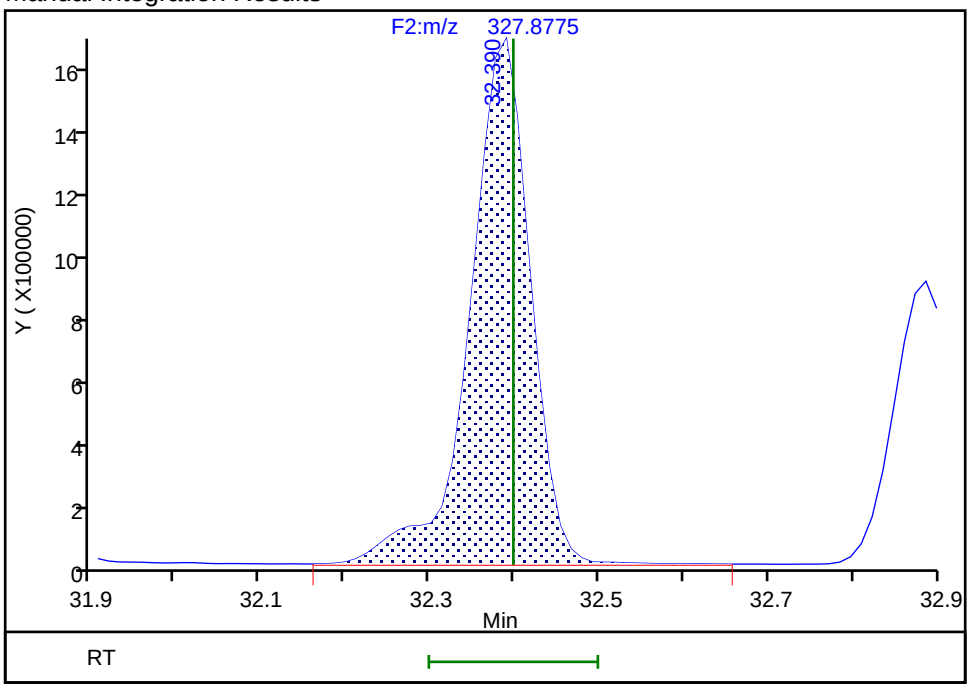
Processing Integration Results

RT: 32.39
Area: 8424100
Amount: 653.3731
Amount Units: pg/ul




Manual Integration Results

RT: 32.39
Area: 8424100
Amount: 667.5677
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 20:50:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

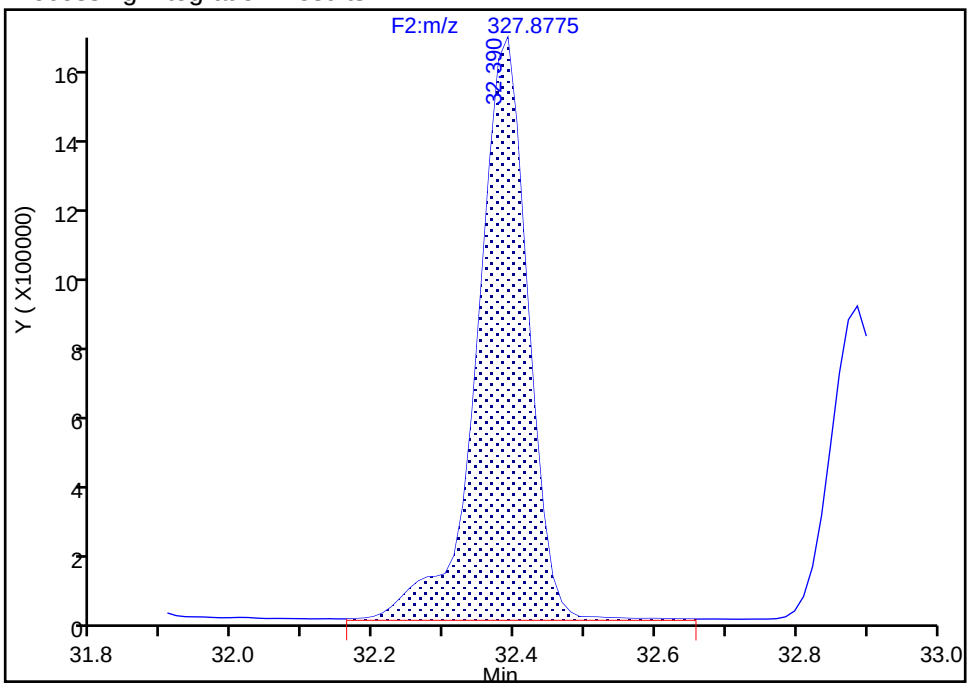
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.39
Area: 20944027
Amount: 653.3731
Amount Units: pg/ul




Manual Integration Results

RT: 32.39
Area: 21399039
Amount: 667.5677
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 20:50:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

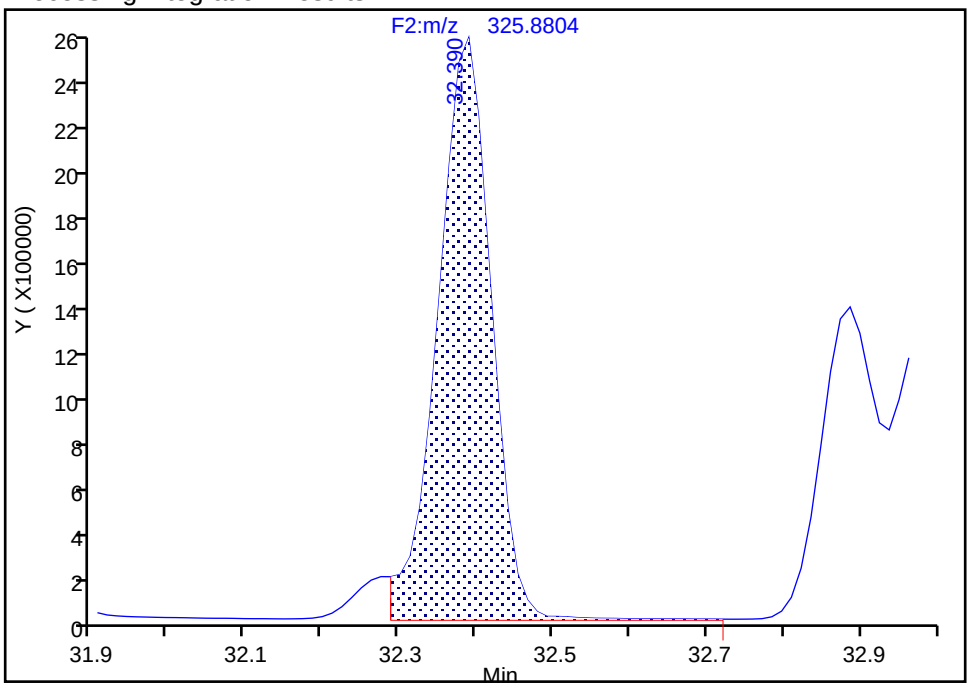
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

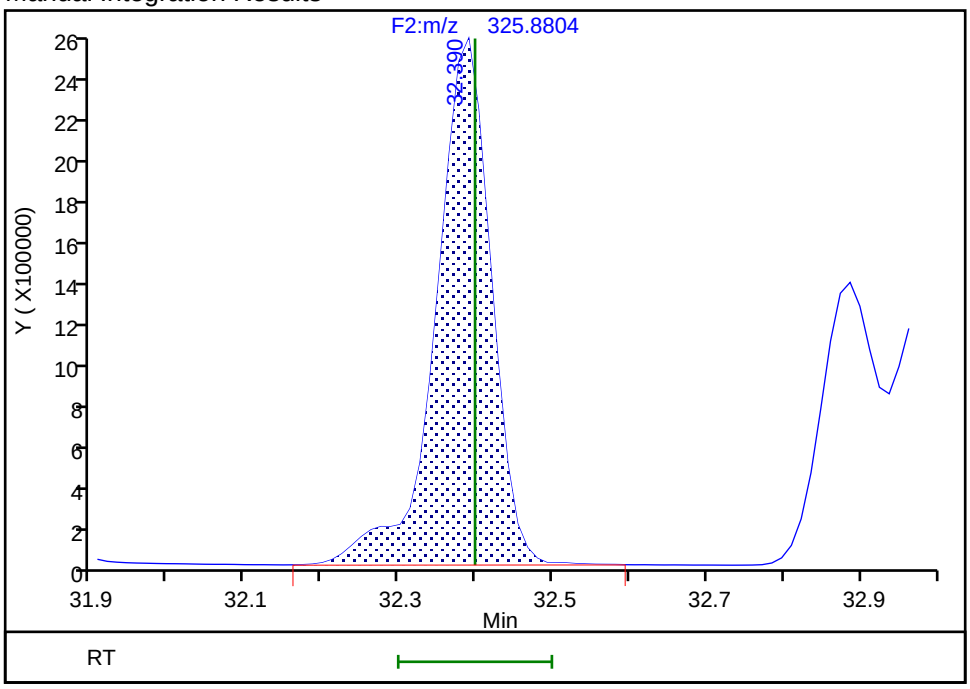
Processing Integration Results

RT: 32.39
Area: 12519927
Amount: 653.3731
Amount Units: pg/ul




Manual Integration Results

RT: 32.39
Area: 12974939
Amount: 667.5677
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 20:50:25

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

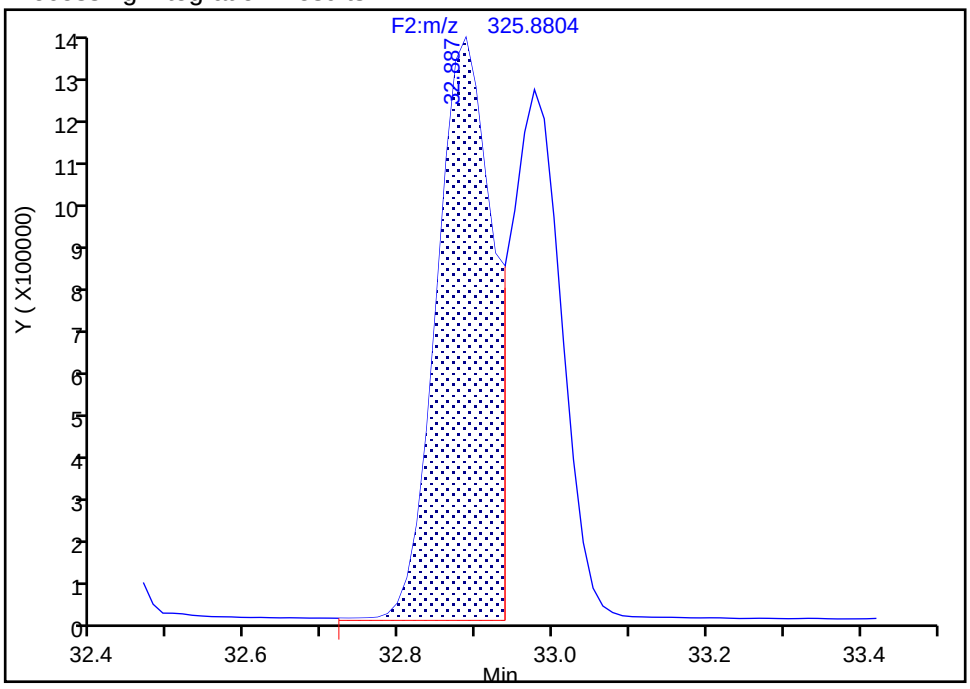
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

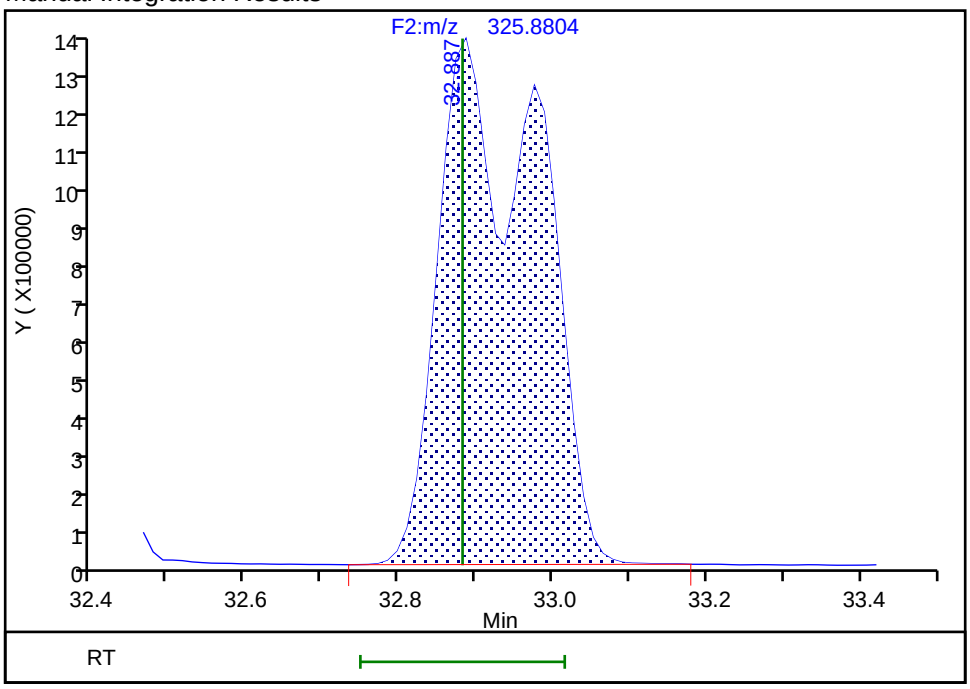
Processing Integration Results

RT: 32.89
Area: 6966446
Amount: 279.9395
Amount Units: pg/ul




Manual Integration Results

RT: 32.89
Area: 12486569
Amount: 500.9299
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:29:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

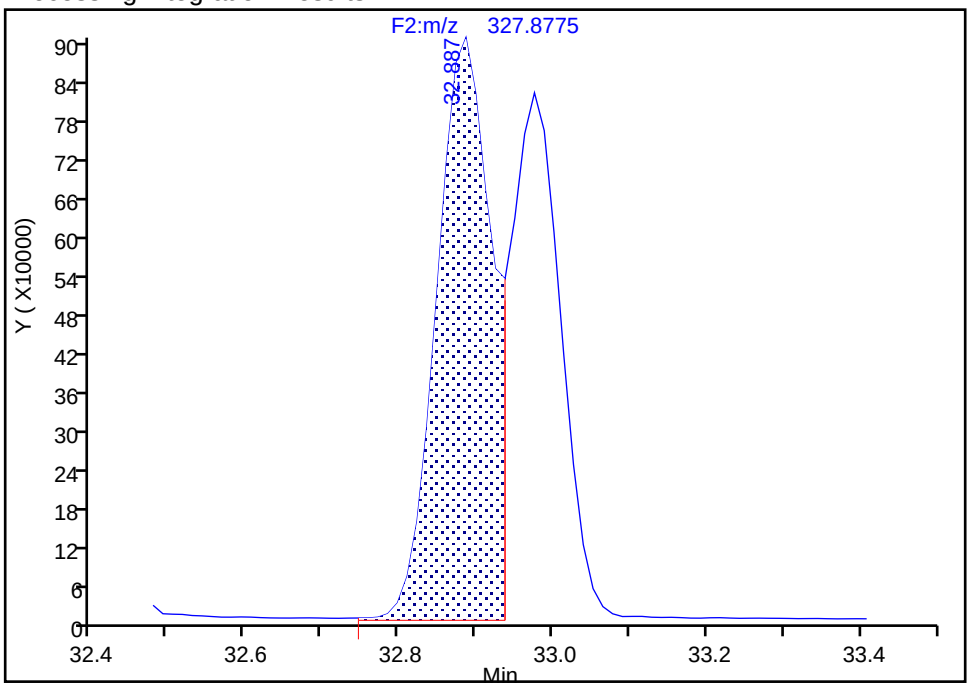
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

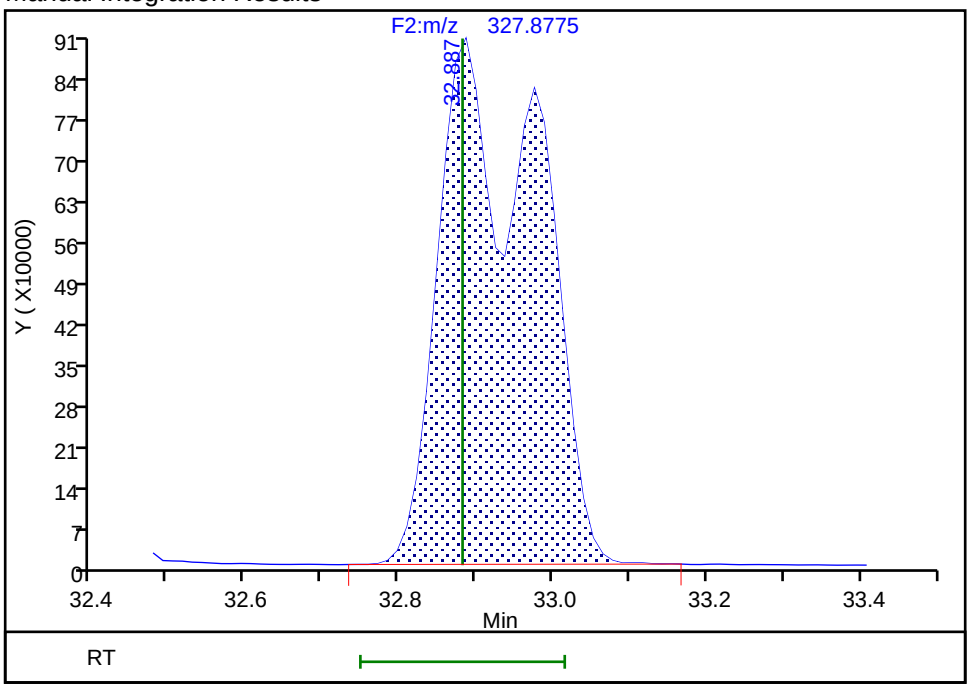
Processing Integration Results

RT: 32.89
Area: 4457078
Amount: 279.9395
Amount Units: pg/ul




Manual Integration Results

RT: 32.89
Area: 7954933
Amount: 500.9299
Amount Units: pg/ul



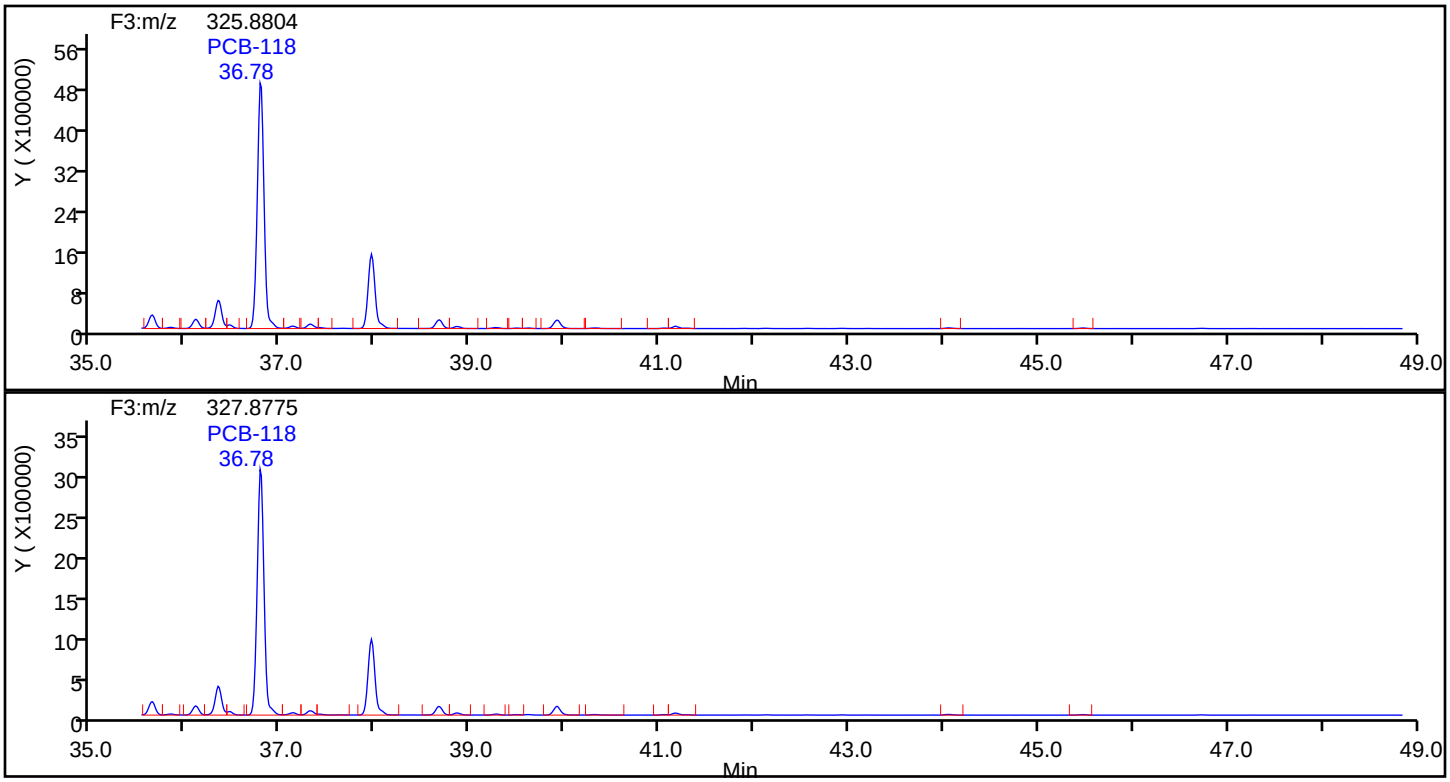

Reviewer: davidsonm, 10-Oct-2019 08:29:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

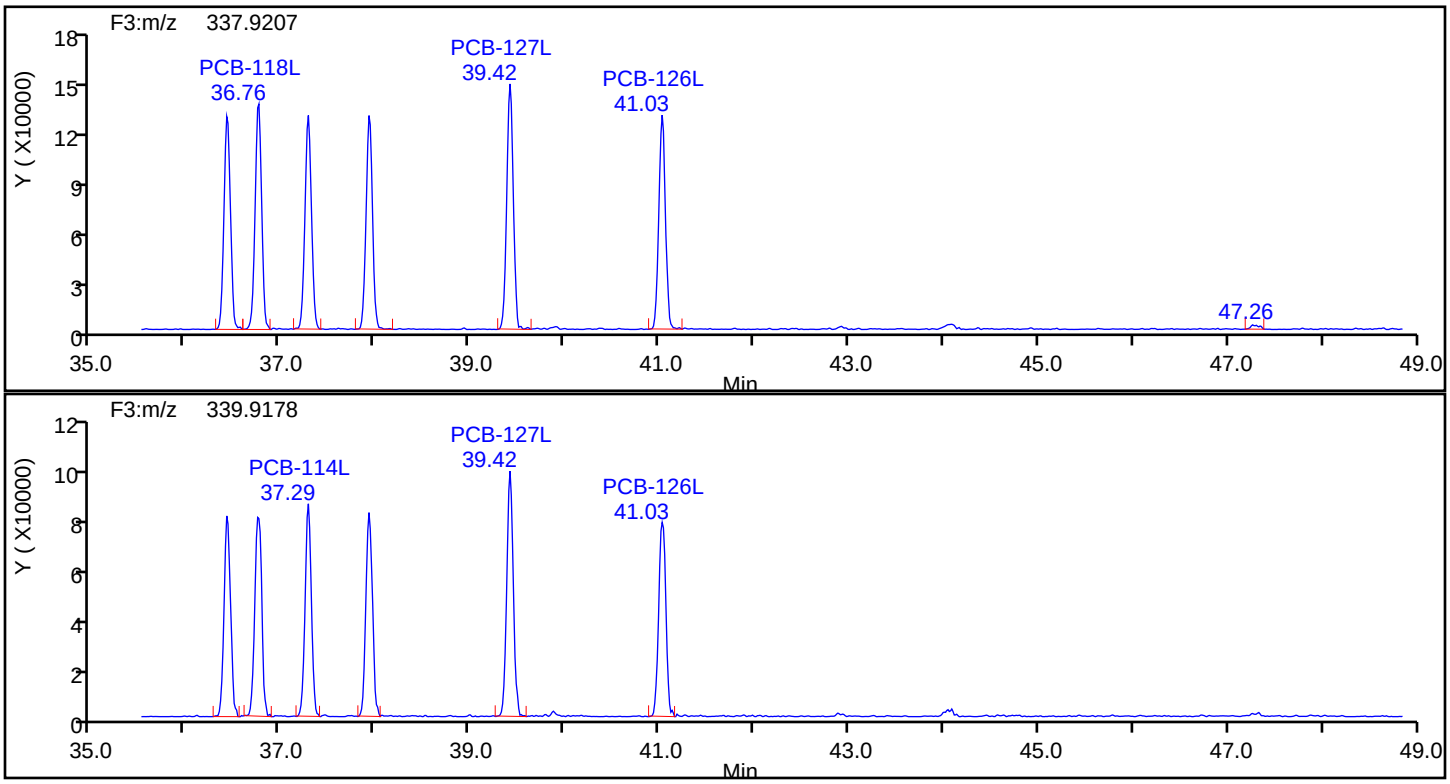
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



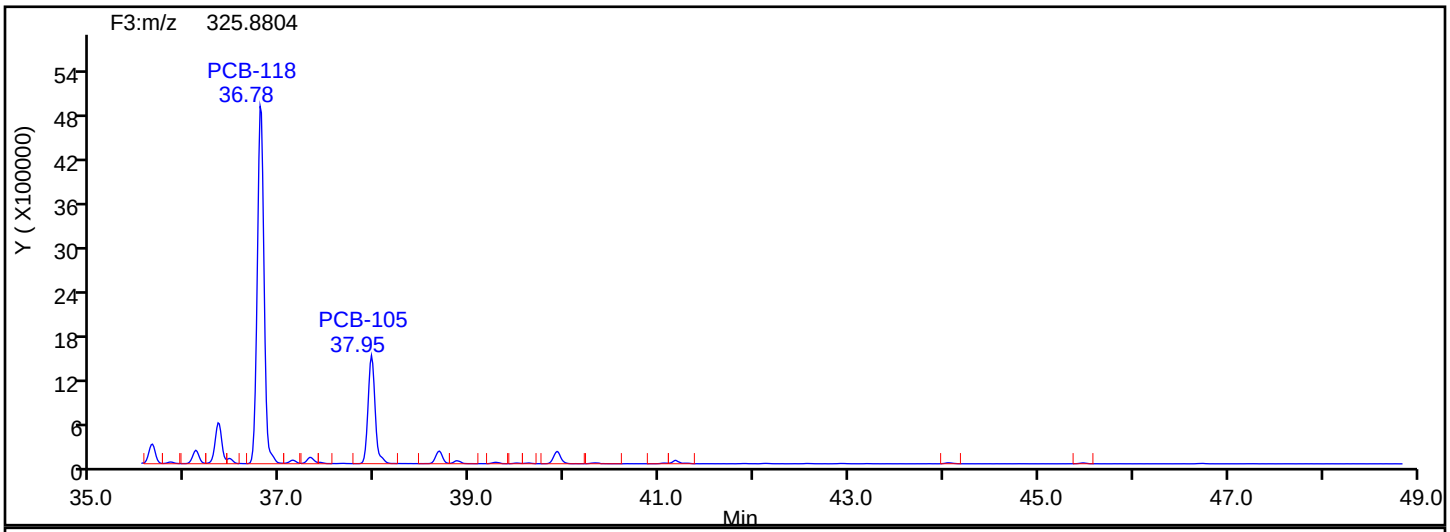

PePCB F3 Standards

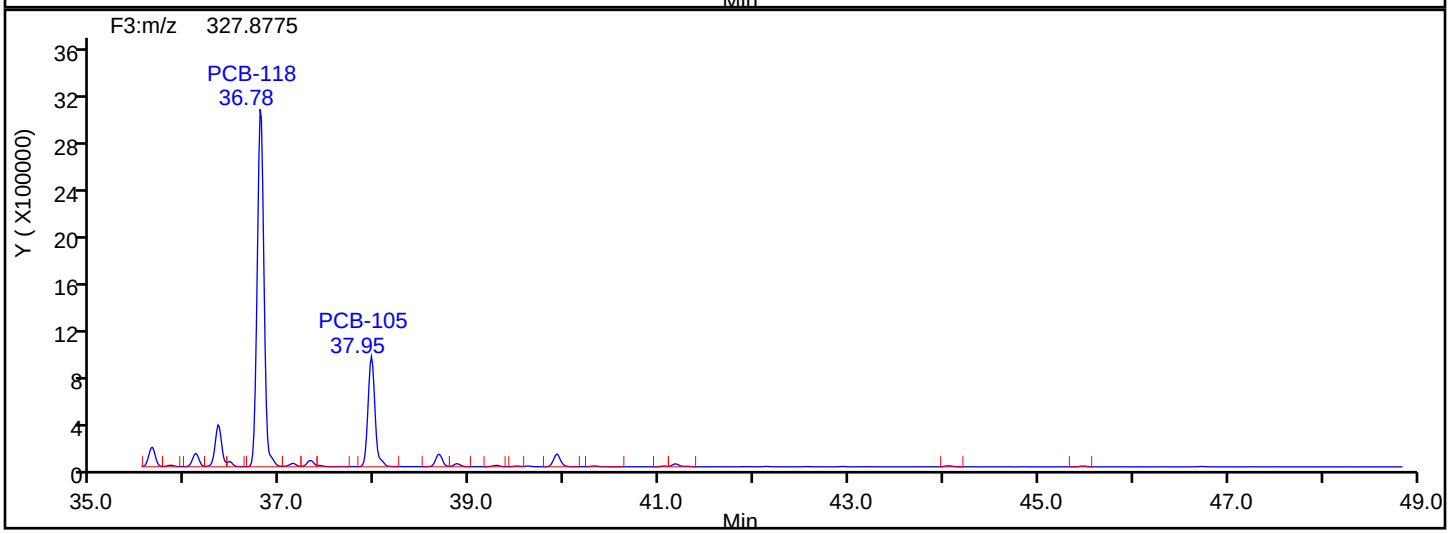


Eurofins TestAmerica, Knoxville

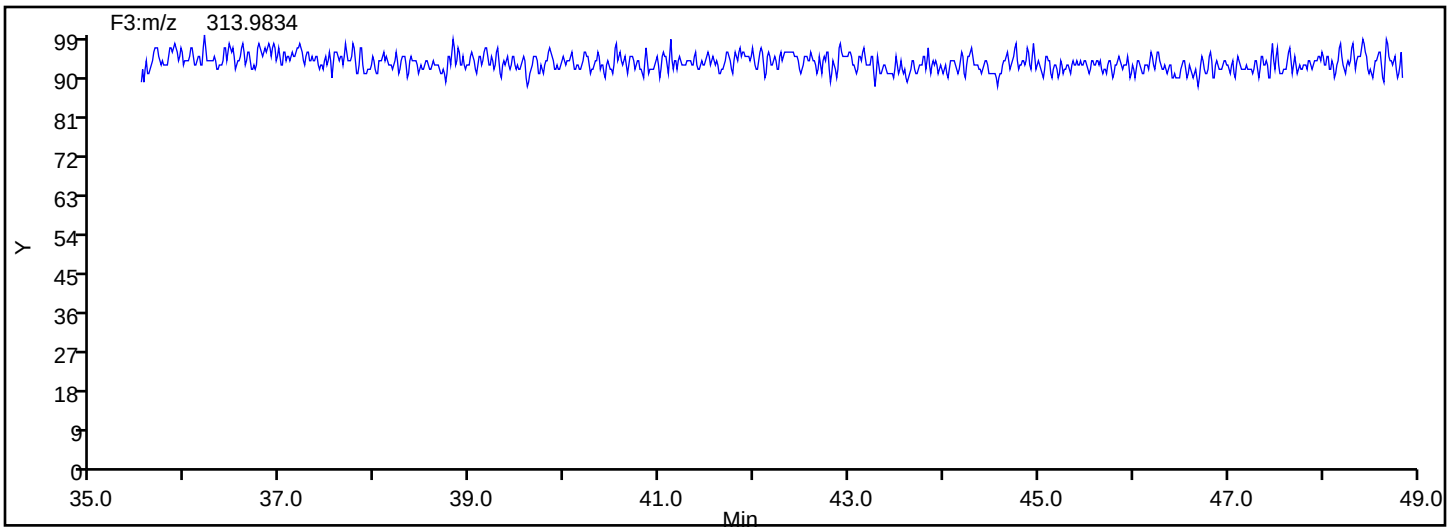
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

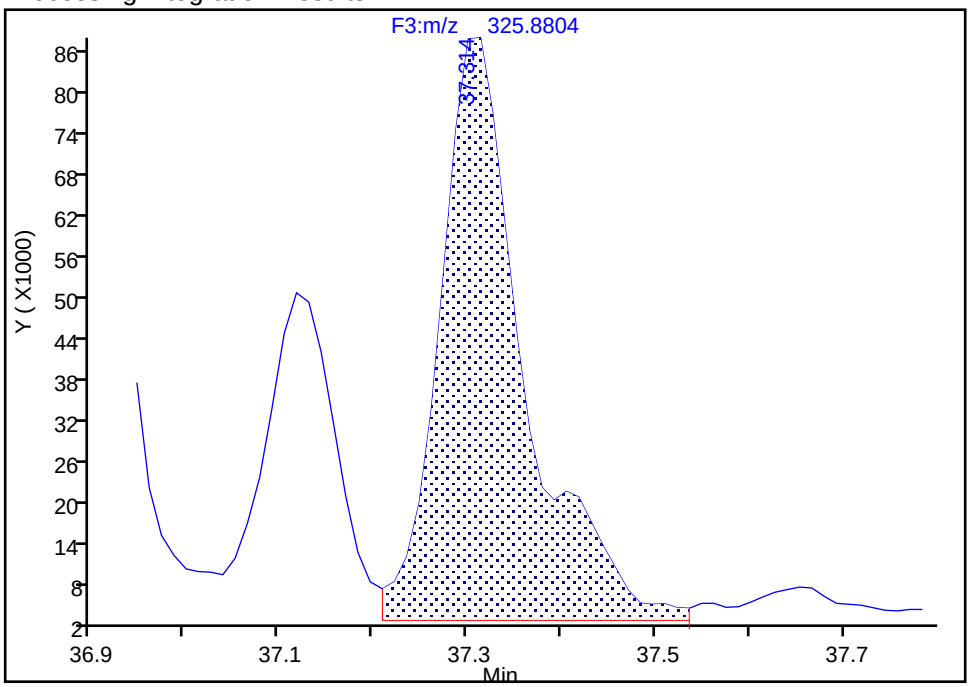
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

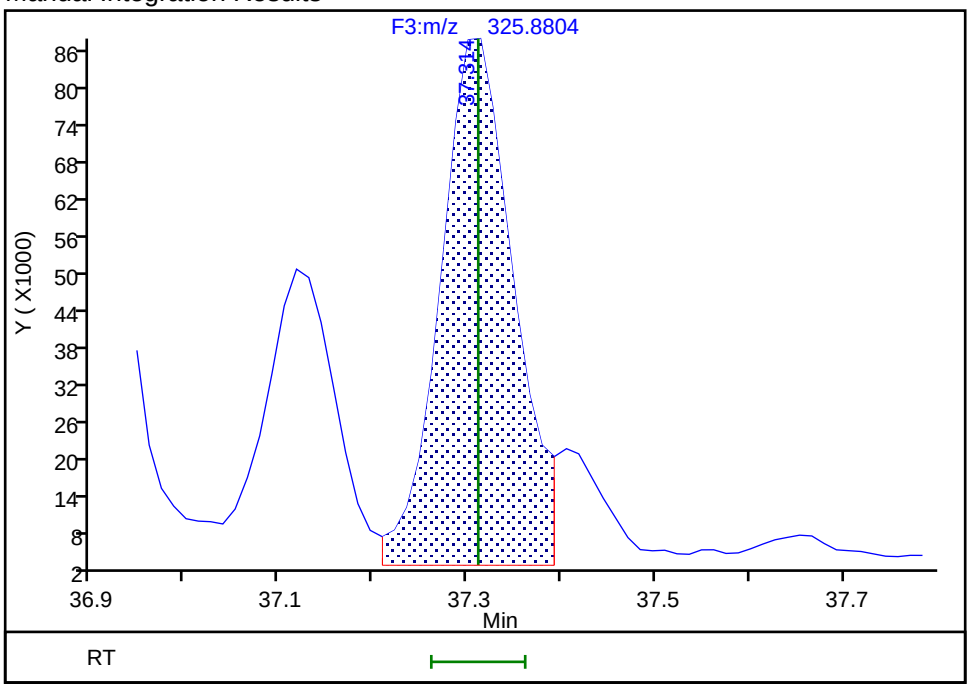
Processing Integration Results

RT: 37.31
Area: 535988
Amount: 12.663796
Amount Units: pg/ul




Manual Integration Results

RT: 37.31
Area: 462653
Amount: 10.586984
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:30:13

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

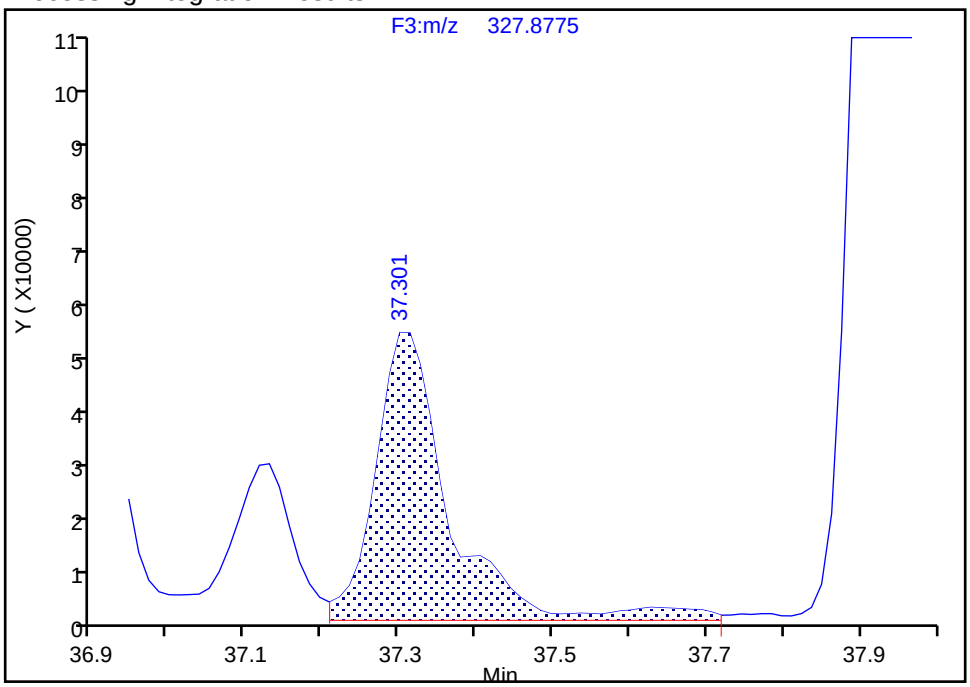
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

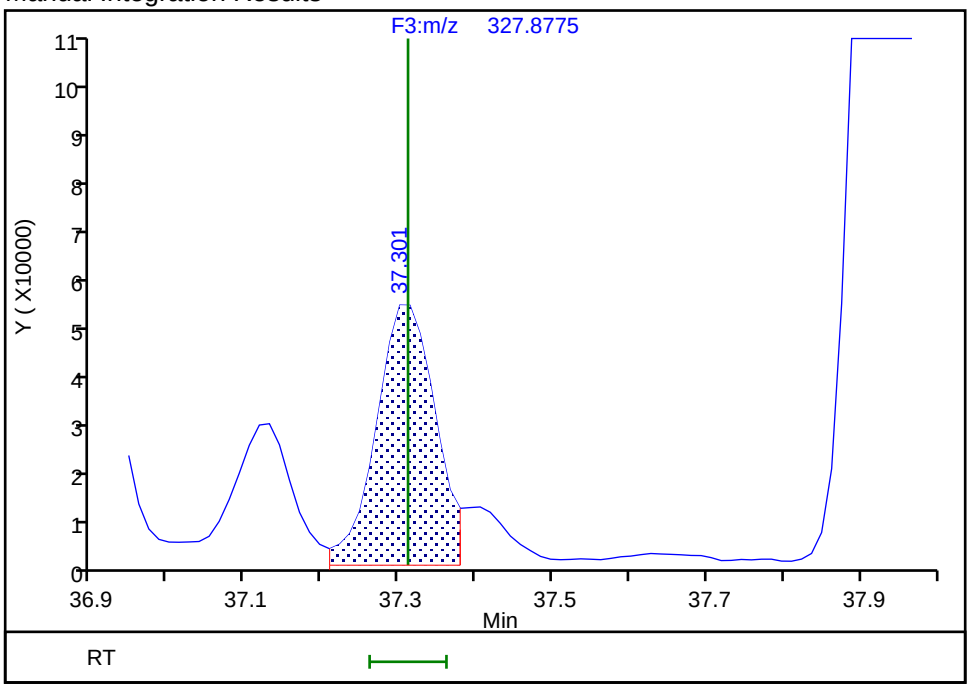
Processing Integration Results

RT: 37.30
Area: 352125
Amount: 12.663796
Amount Units: pg/ul




Manual Integration Results

RT: 37.30
Area: 279813
Amount: 10.586984
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:30:19

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

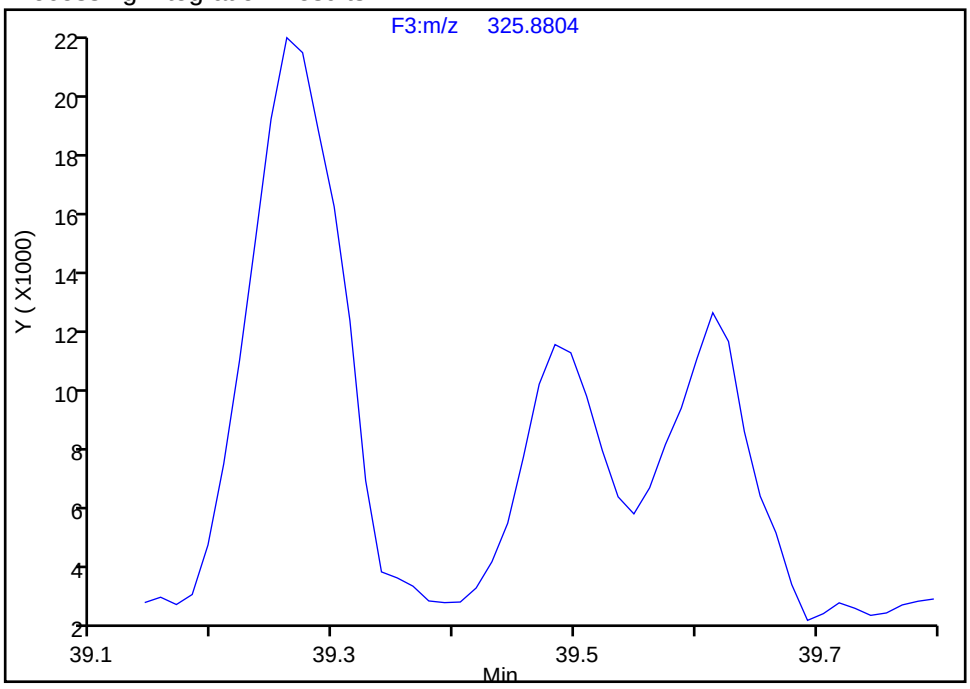
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 1

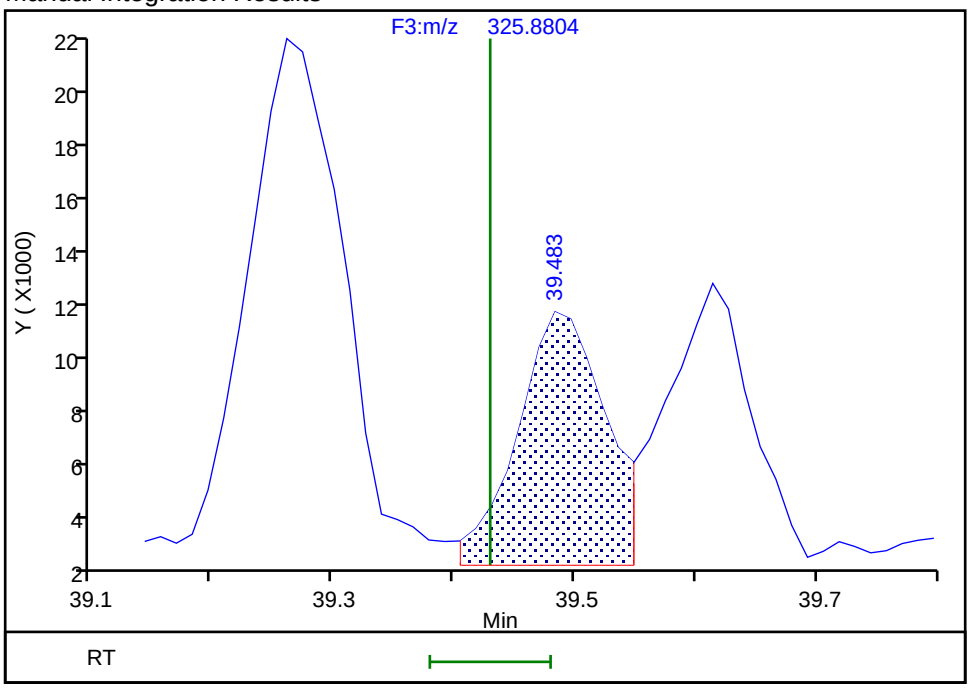
Not Detected
Expected RT: 39.43

Processing Integration Results




Manual Integration Results

RT: 39.48
Area: 46214
Amount: 1.226419
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:30:33
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

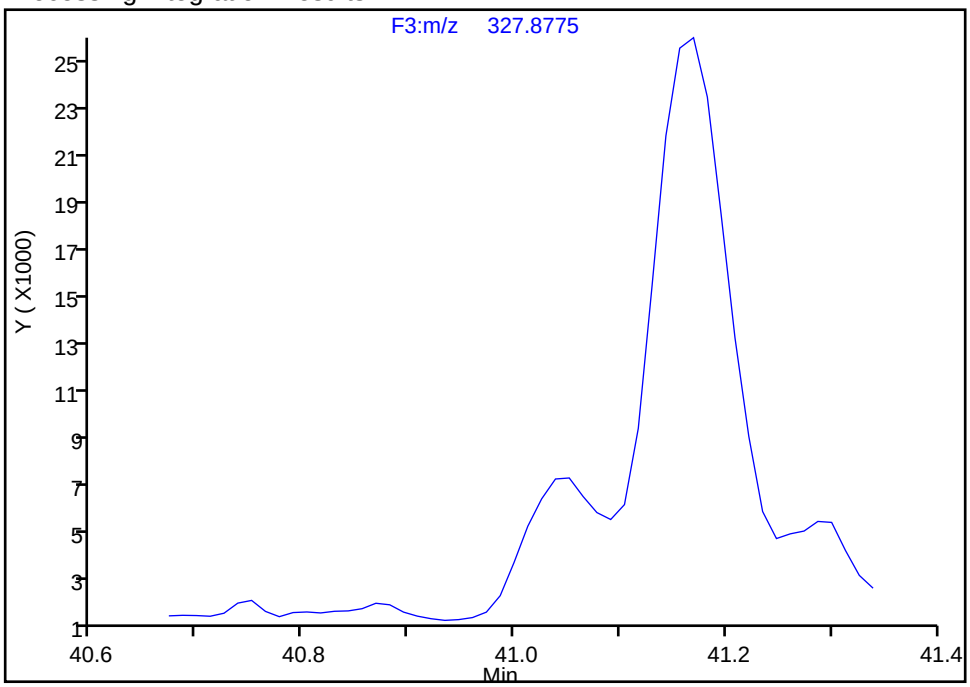
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

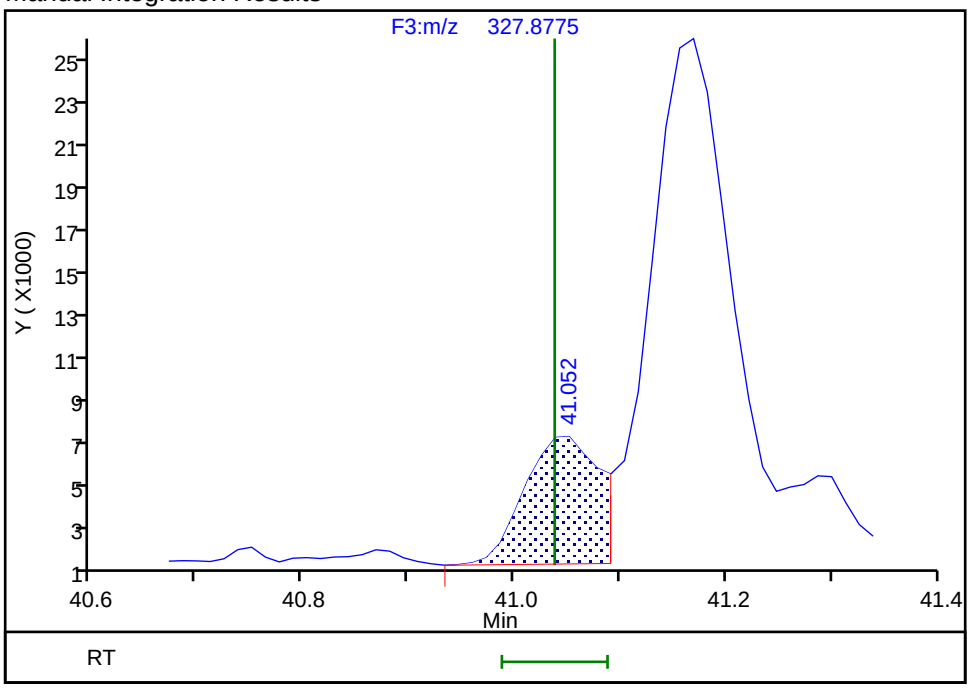
Not Detected
Expected RT: 41.04

Processing Integration Results




Manual Integration Results

RT: 41.05
Area: 28559
Amount: 1.083020
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:31:22
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

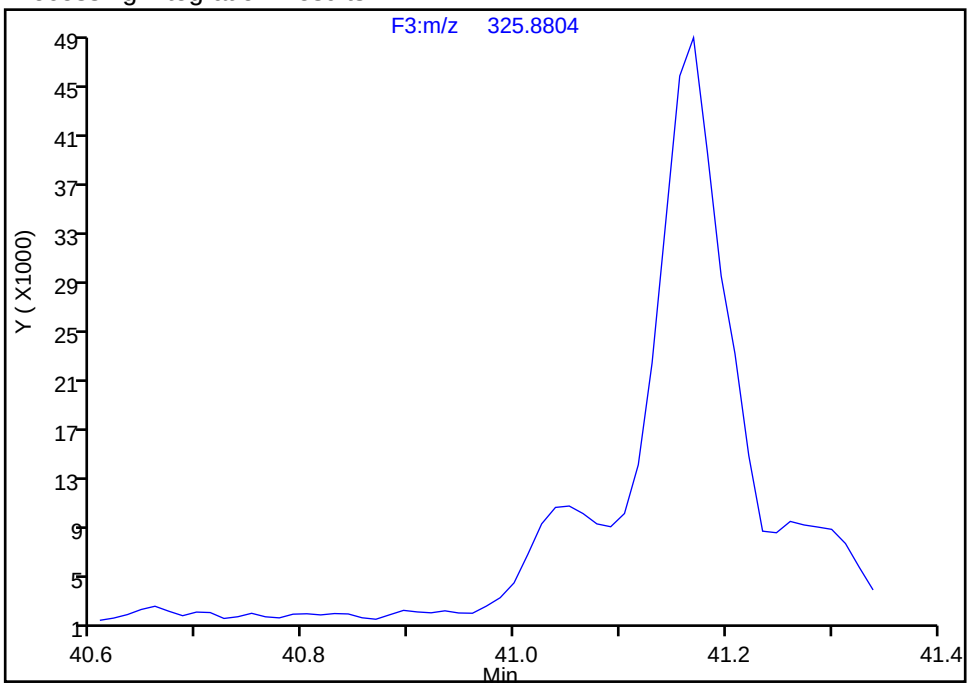
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

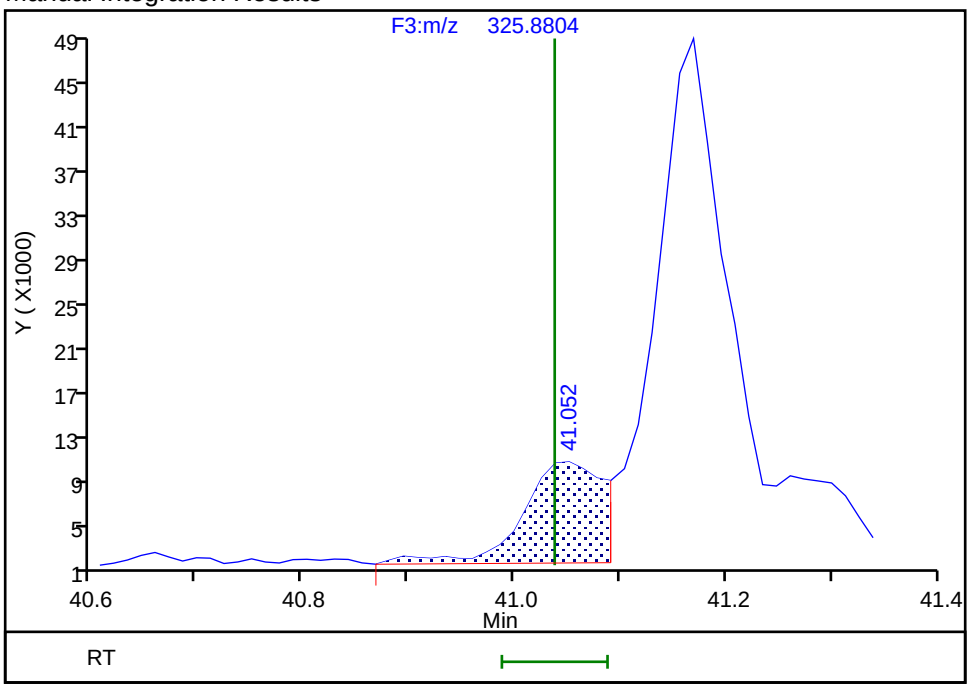
Not Detected
Expected RT: 41.04

Processing Integration Results




Manual Integration Results

RT: 41.05
Area: 46180
Amount: 1.083020
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:31:25
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

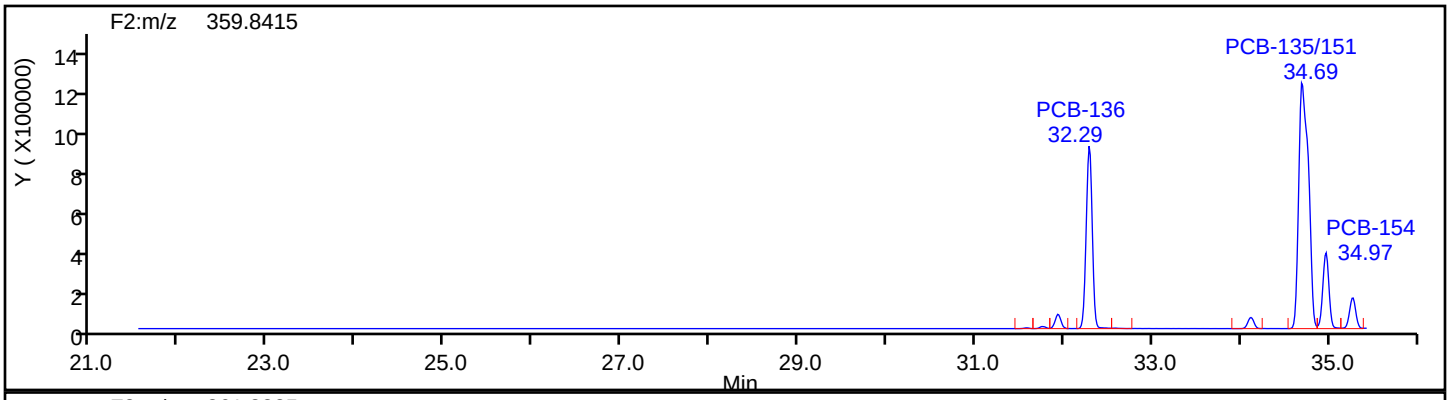
Report Date: 10-Oct-2019 20:51:12 Chrom Revision: 2.3 17-Sep-2019 16:19:08

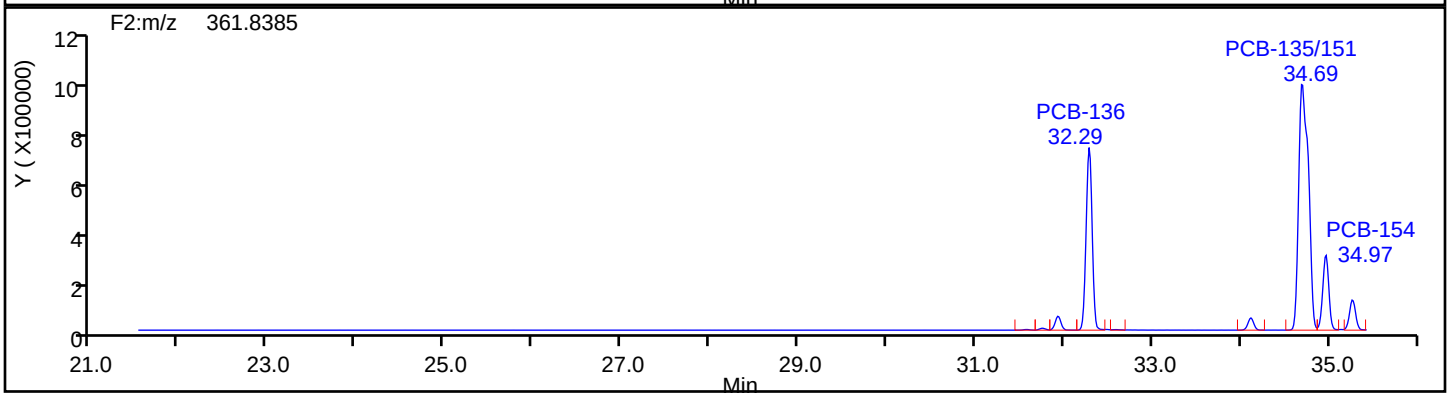
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d

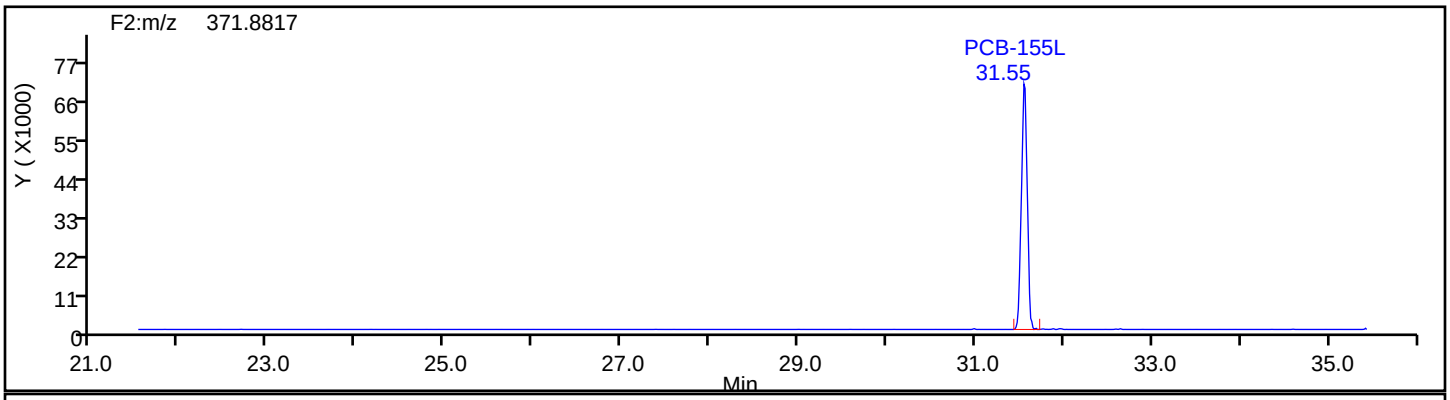
| | | | |
|---|---|---|---|
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

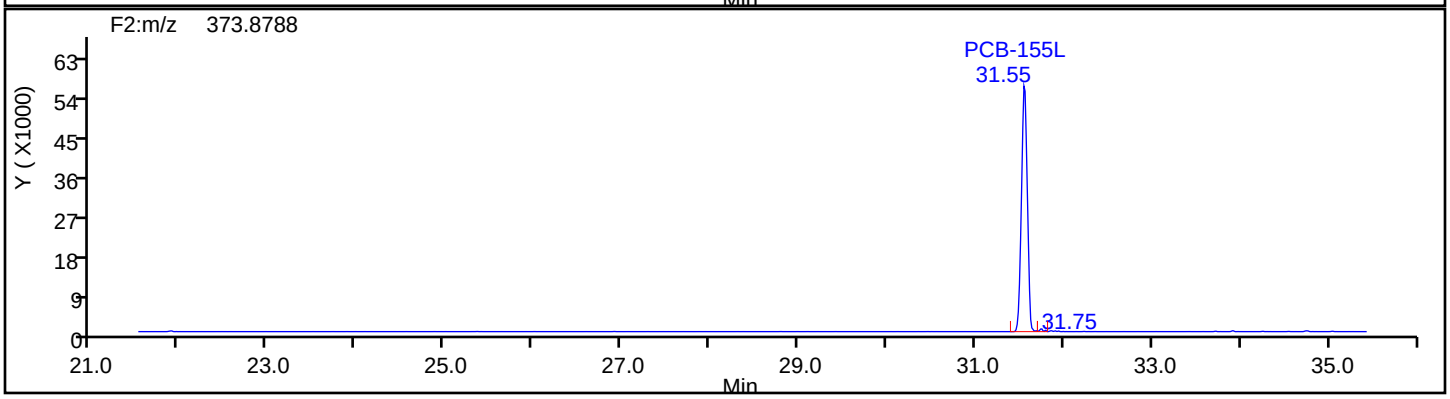
HxPCB F2




HxPCB F2 Standards

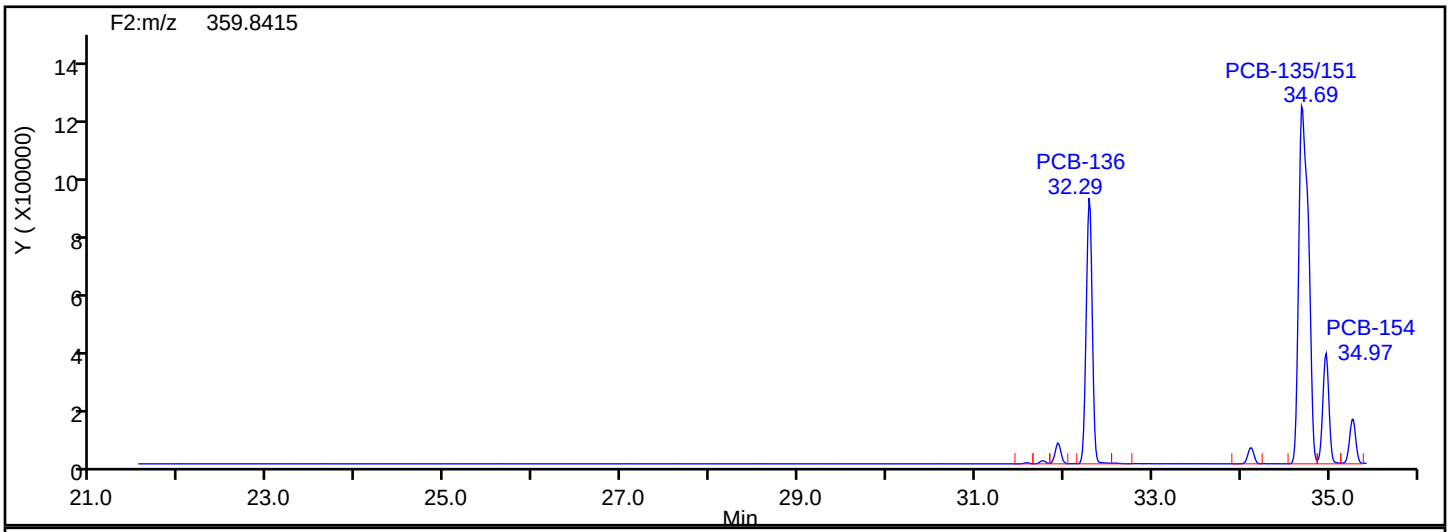


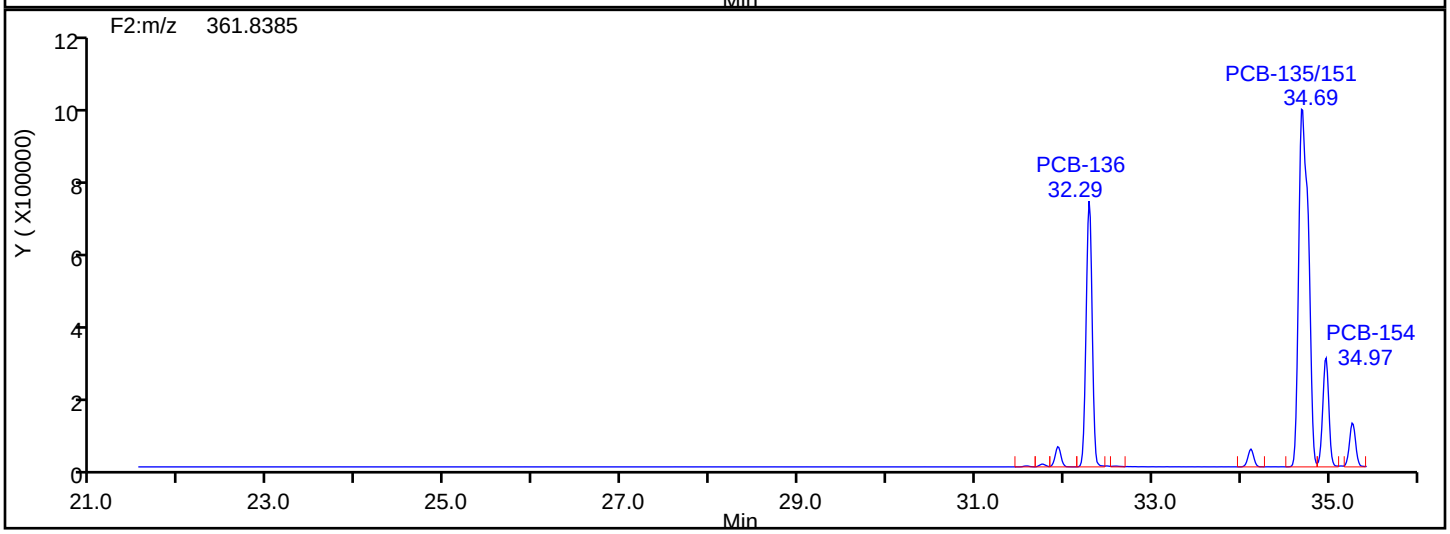



Eurofins TestAmerica, Knoxville

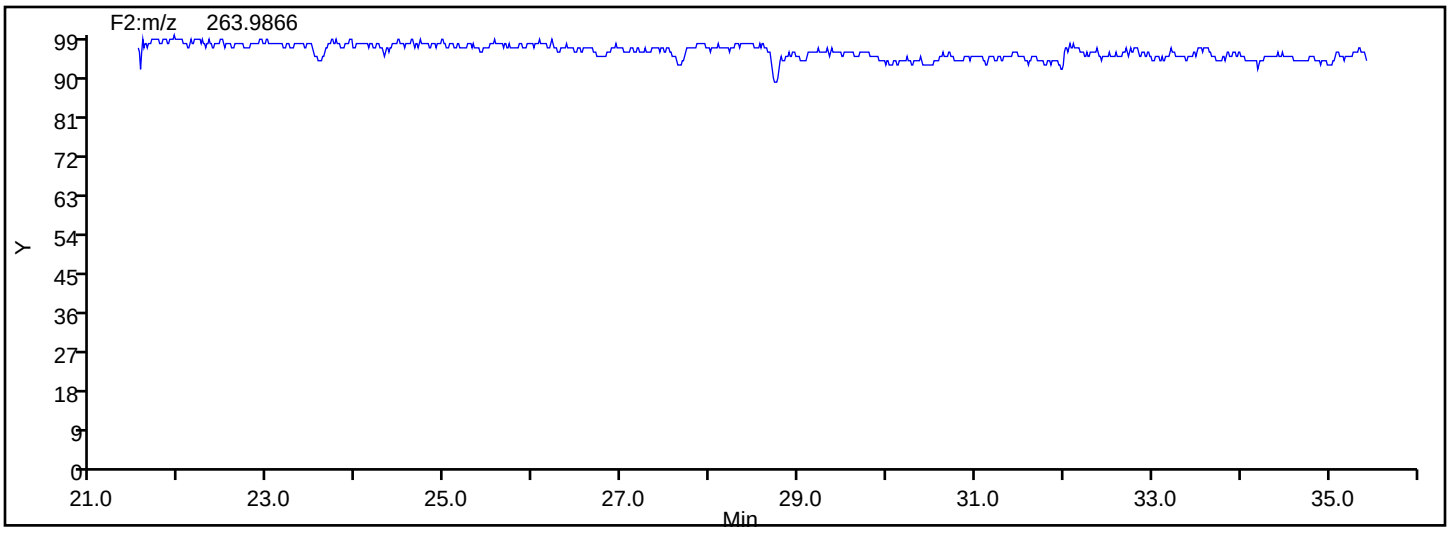
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



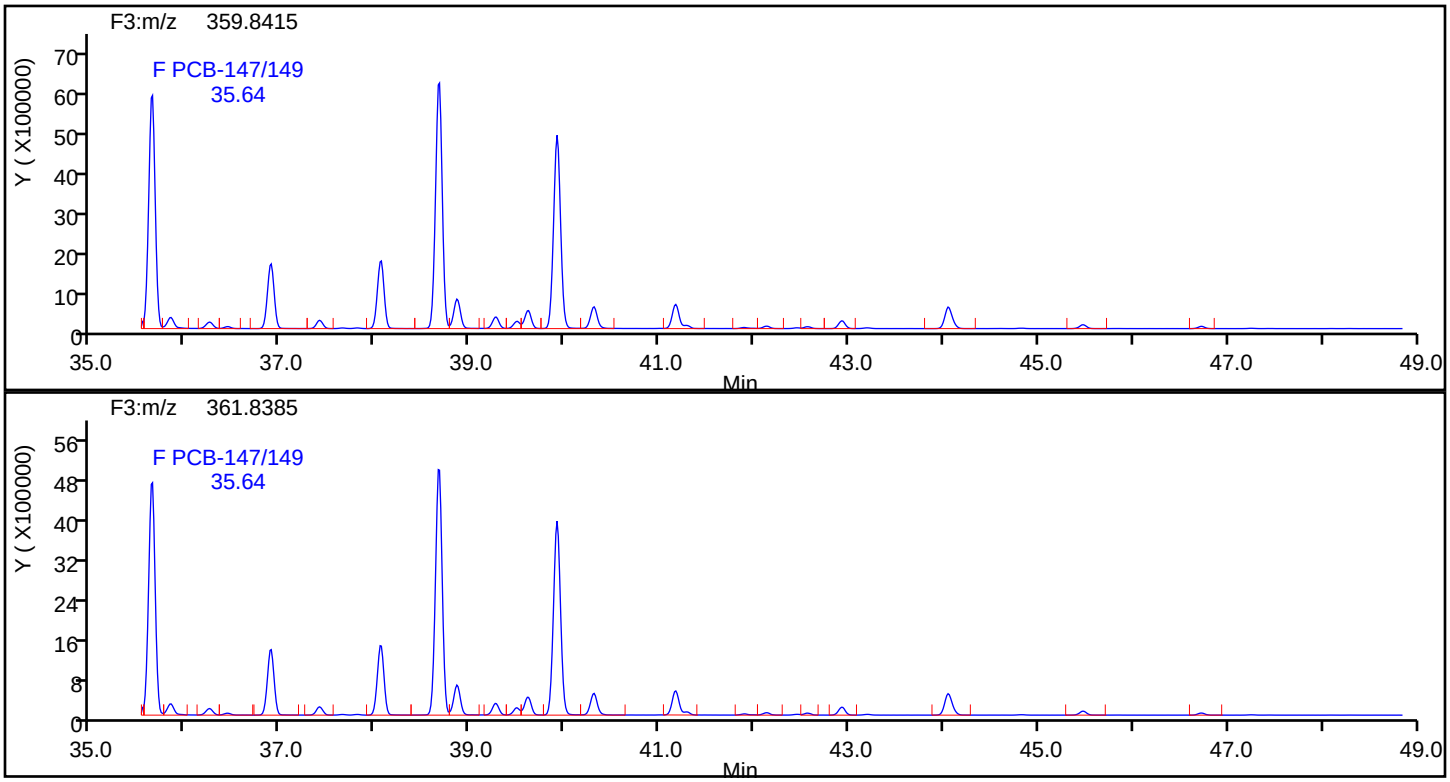

HxPCB F2 Lock Mass



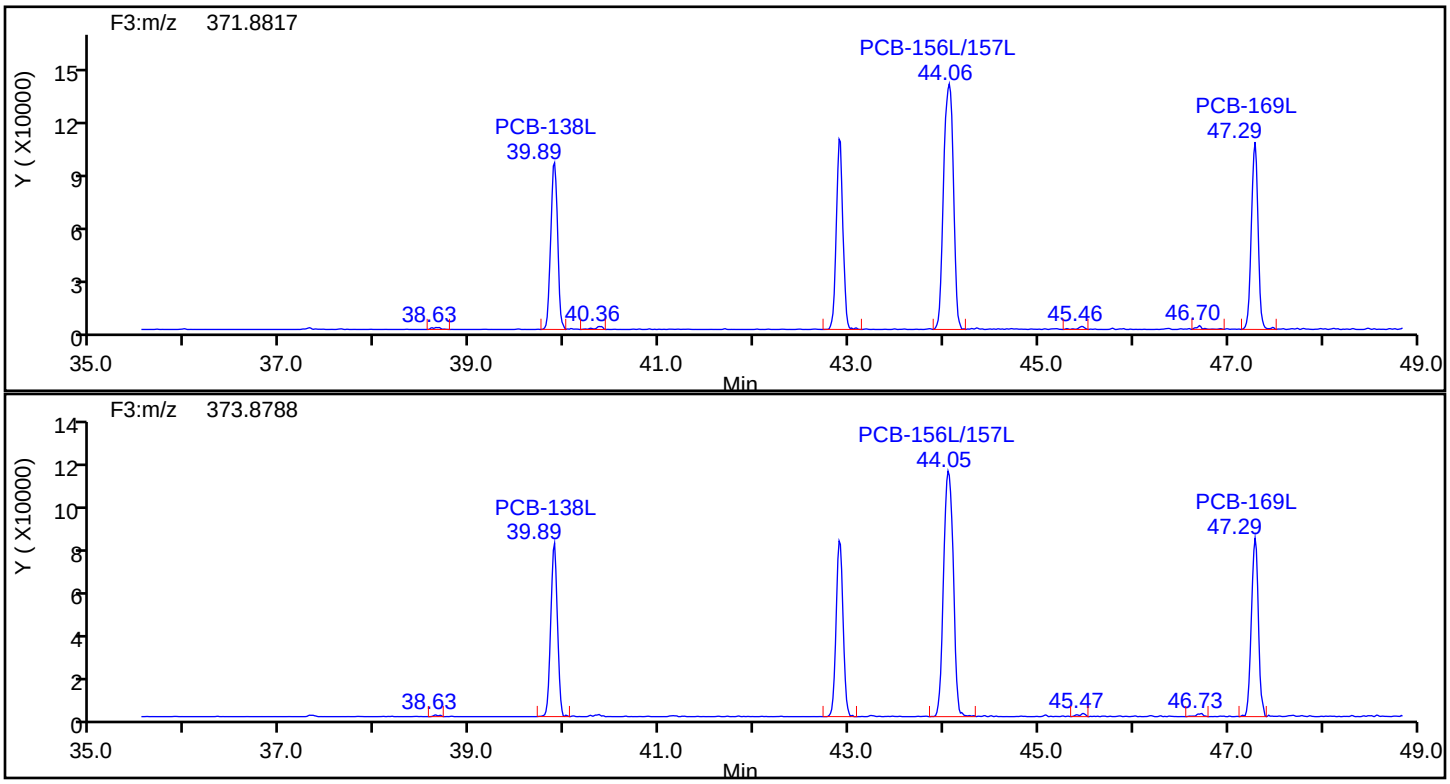
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



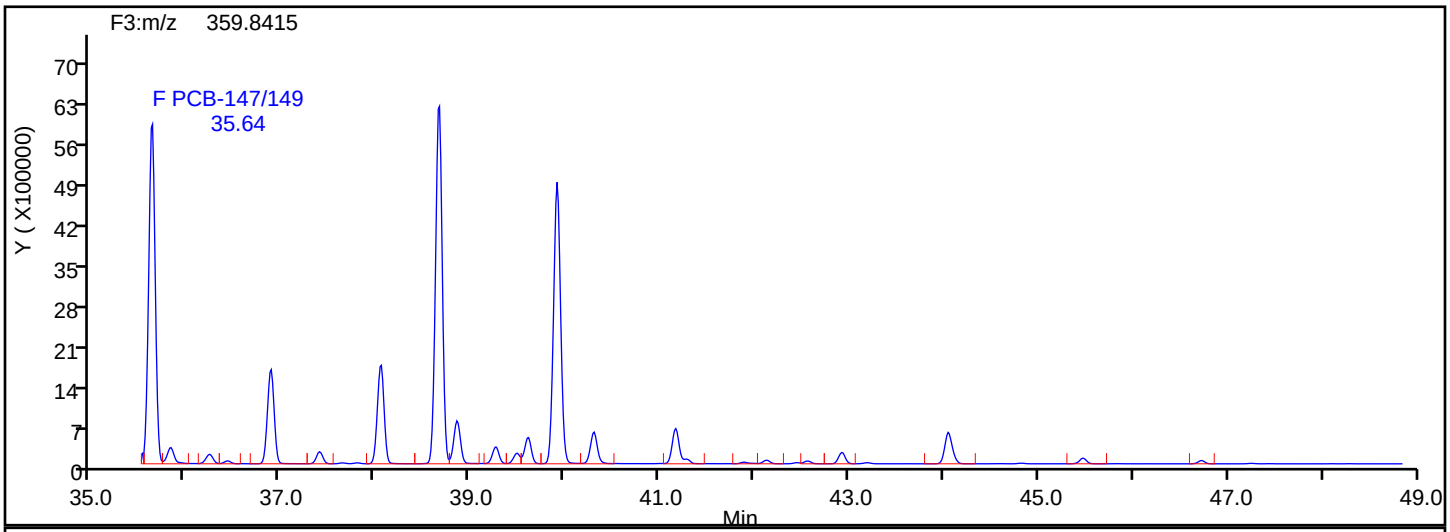

HxPCB F3 Standards

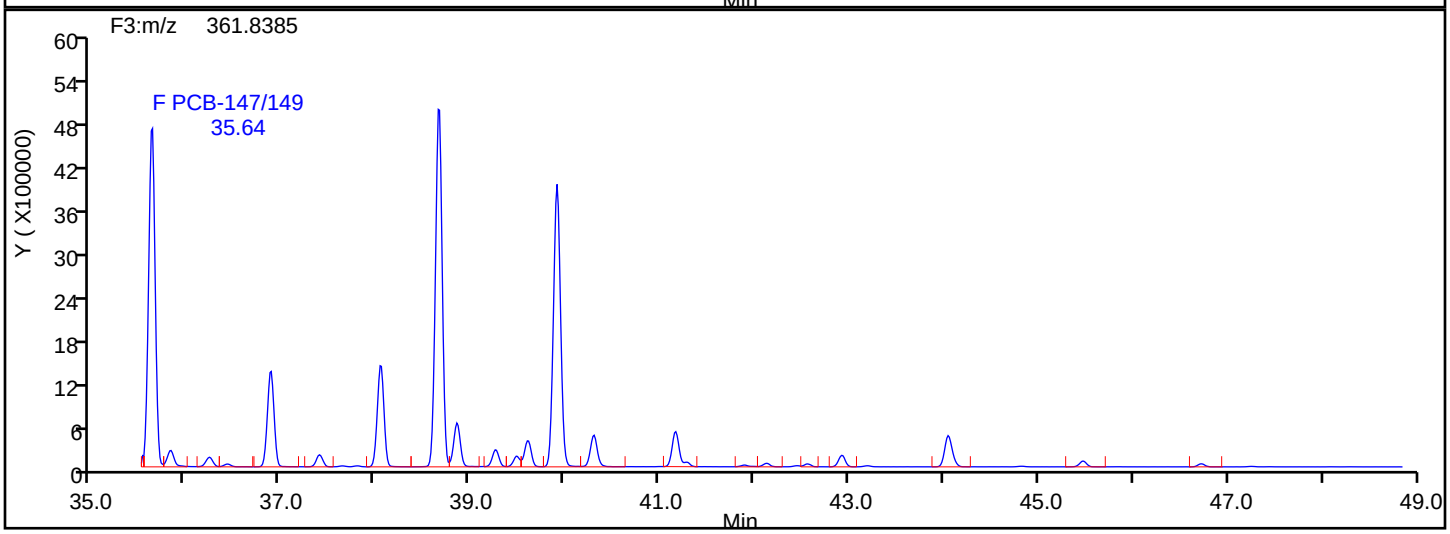


Eurofins TestAmerica, Knoxville

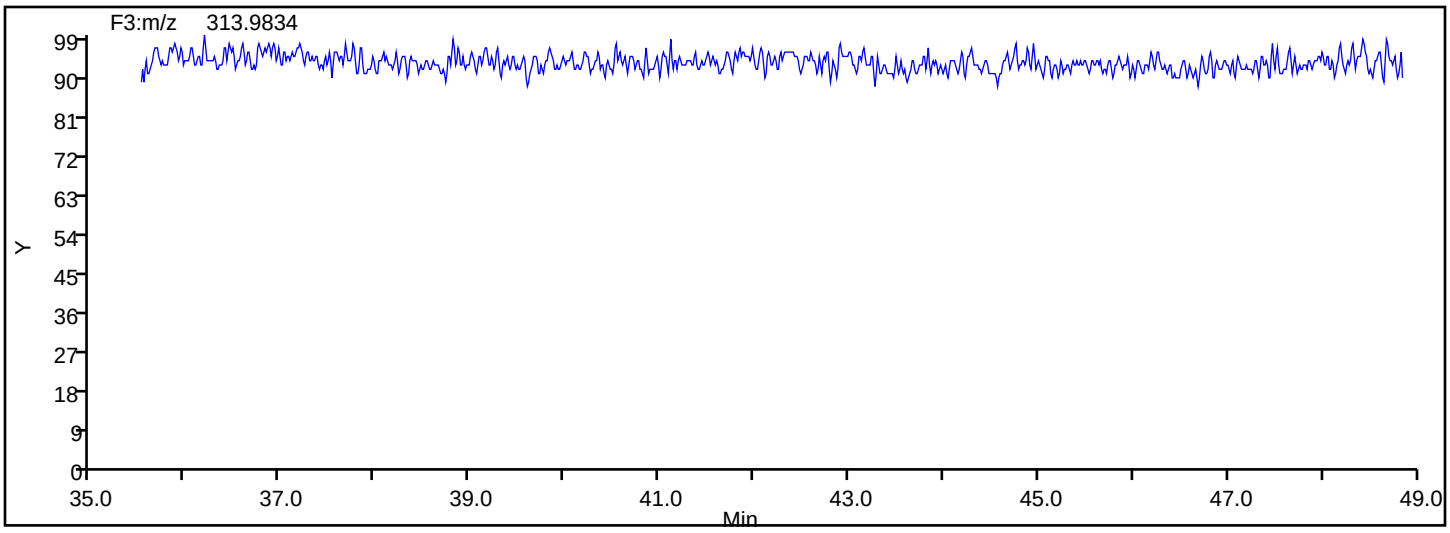
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

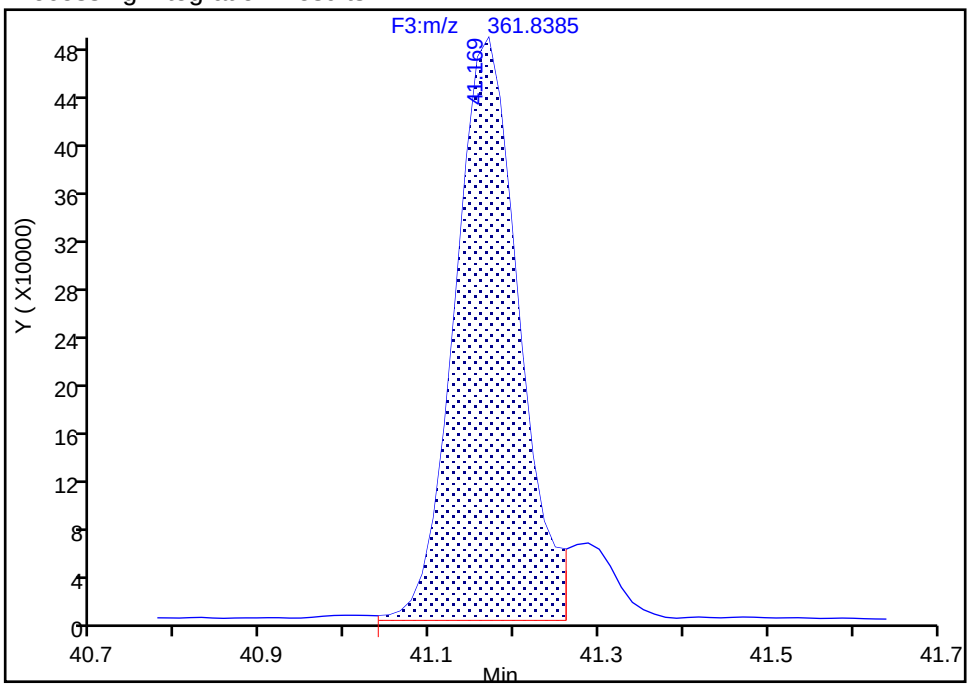
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

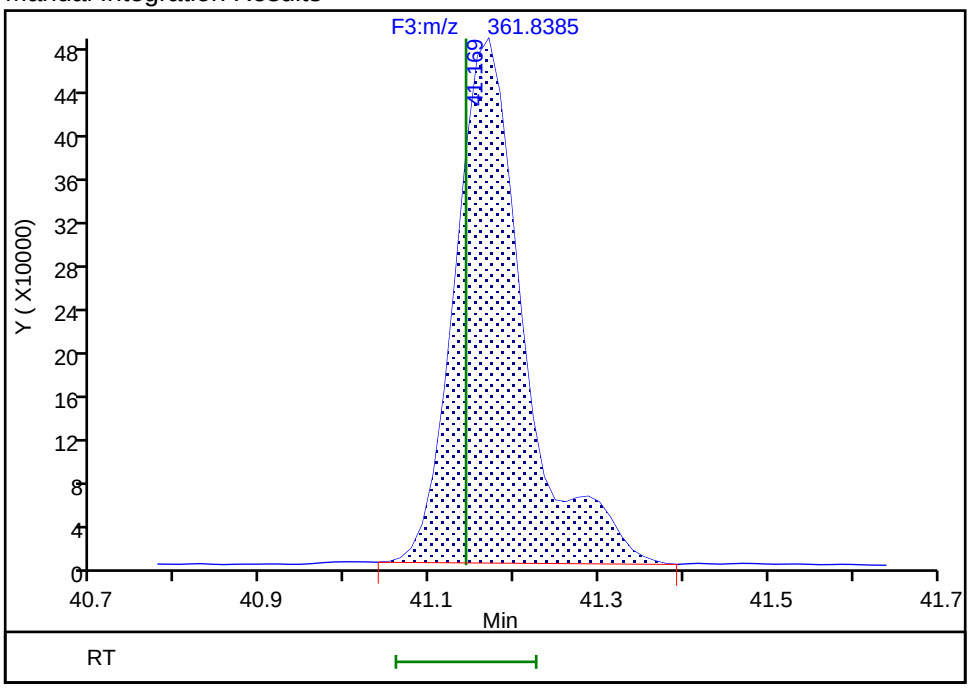
Processing Integration Results

RT: 41.17
Area: 2541194
Amount: 119.4446
Amount Units: pg/ul




Manual Integration Results

RT: 41.17
Area: 2734456
Amount: 123.2423
Amount Units: pg/ul

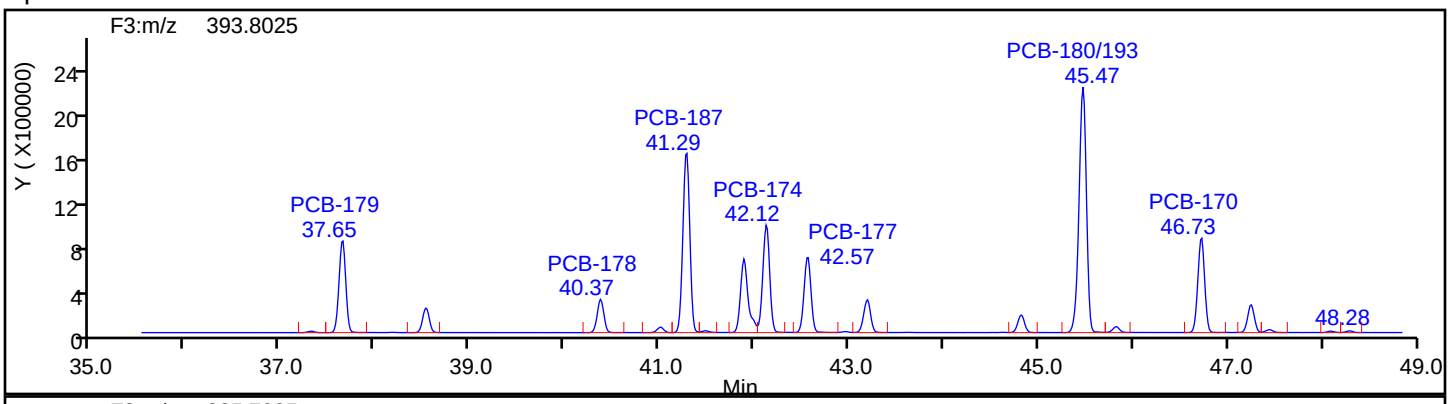


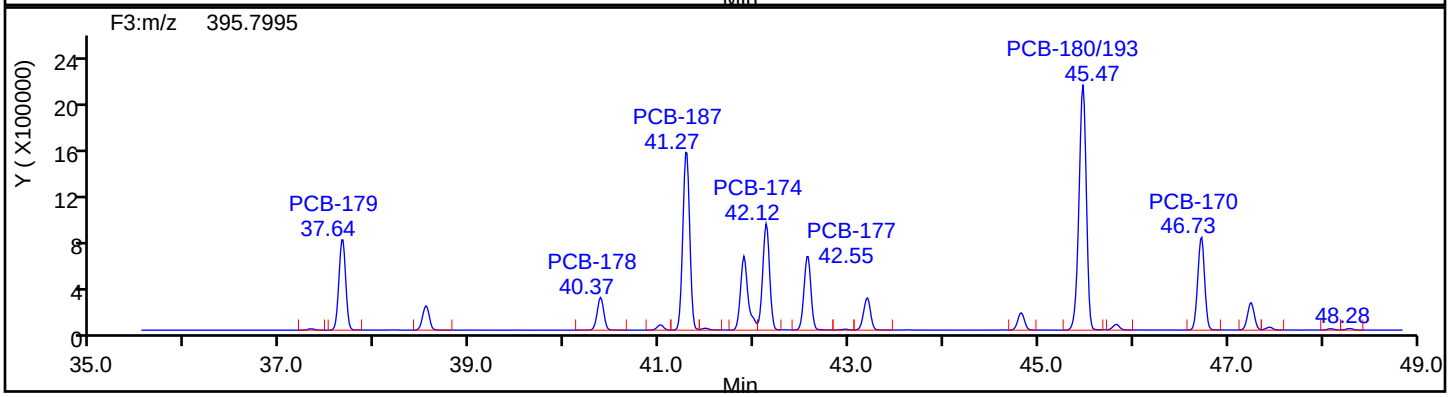

Reviewer: davidsonm, 10-Oct-2019 08:32:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

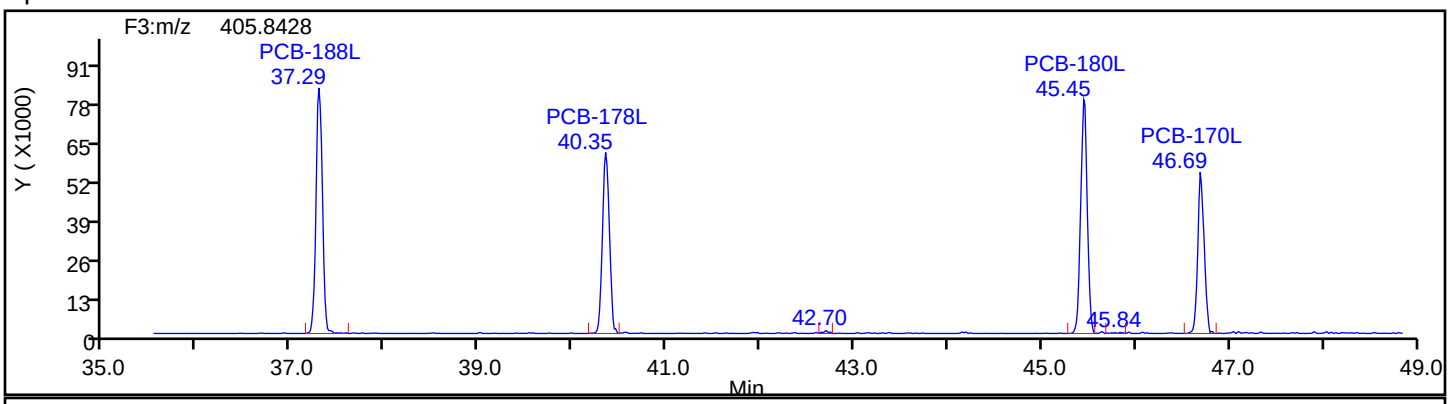
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

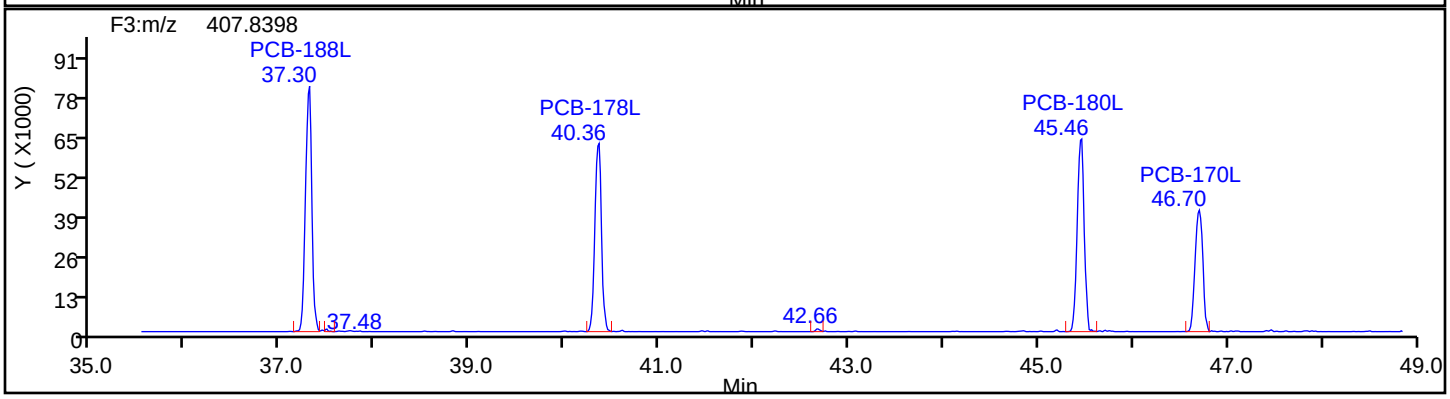
HpPCB F3




HpPCB F3 Standards

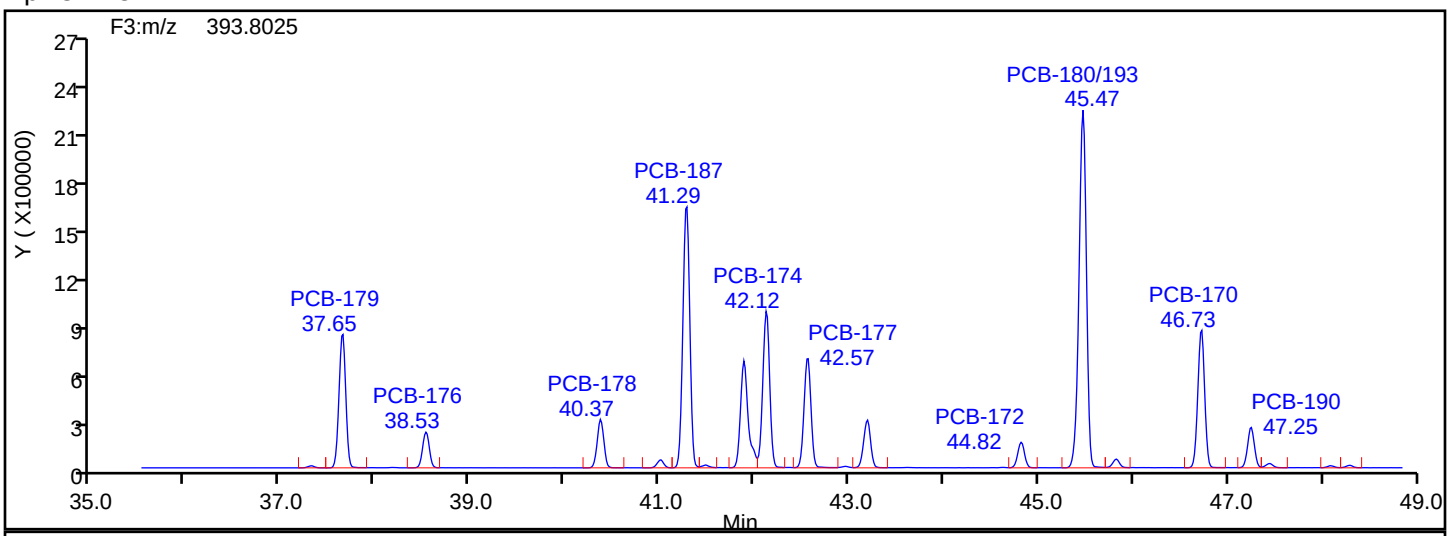


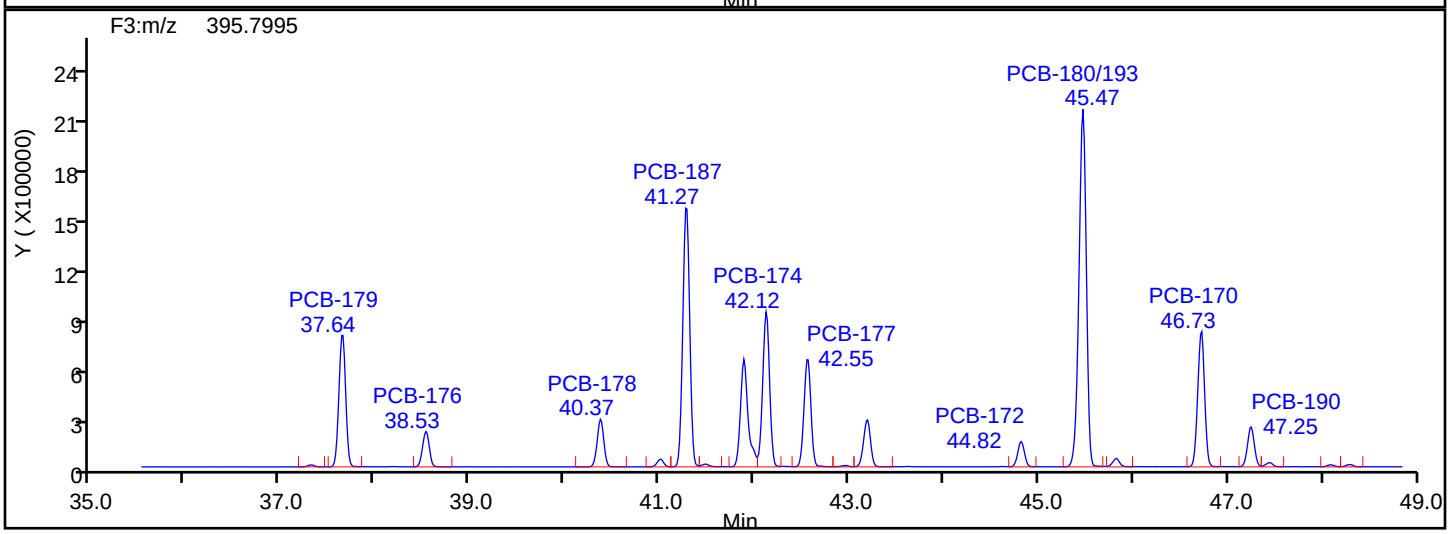



Eurofins TestAmerica, Knoxville

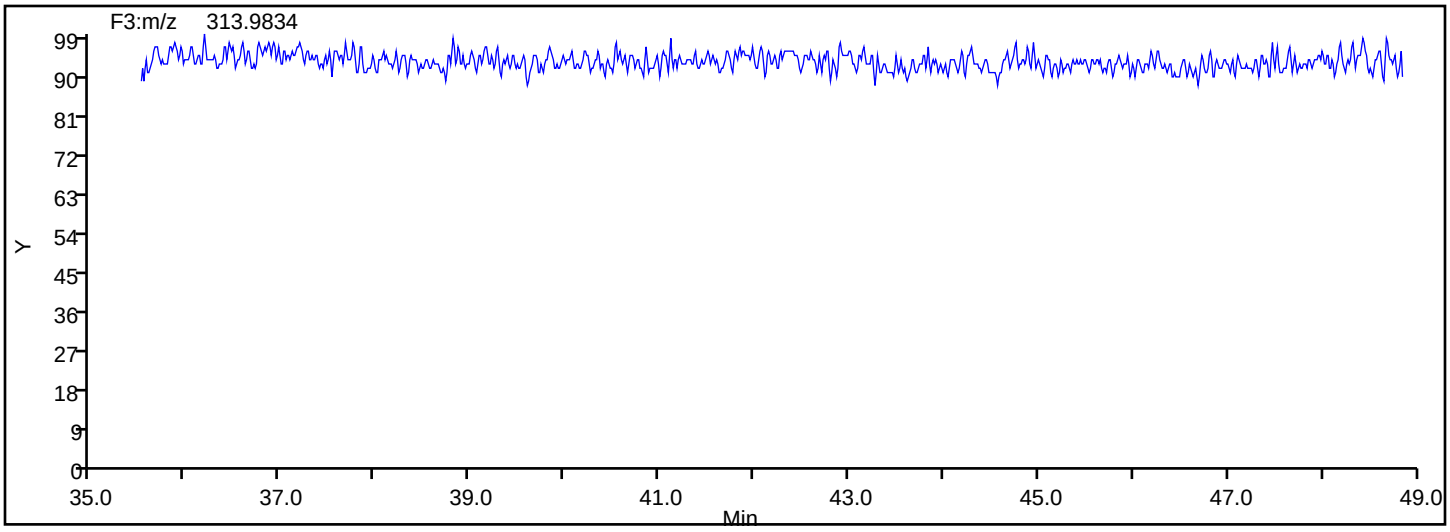
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

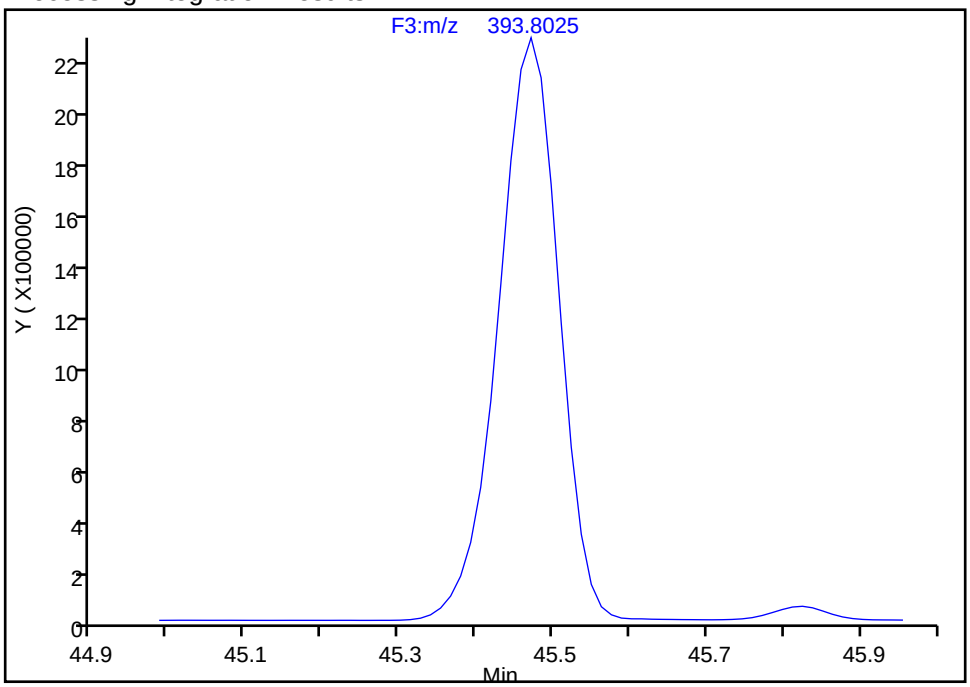
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-26-F | Lab Sample ID: | 140-88908-26 | | |
| Client ID: | J5-SC1b-20to30-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

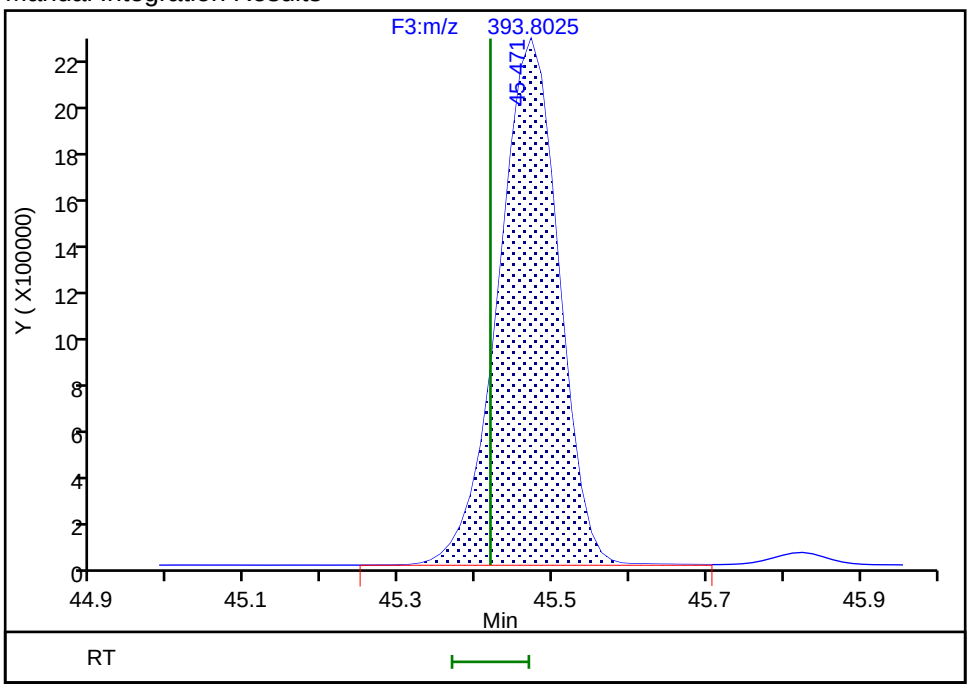
Not Detected
Expected RT: 45.42

Processing Integration Results




Manual Integration Results

RT: 45.47
Area: 12055962
Amount: 605.6794
Amount Units: pg/ul

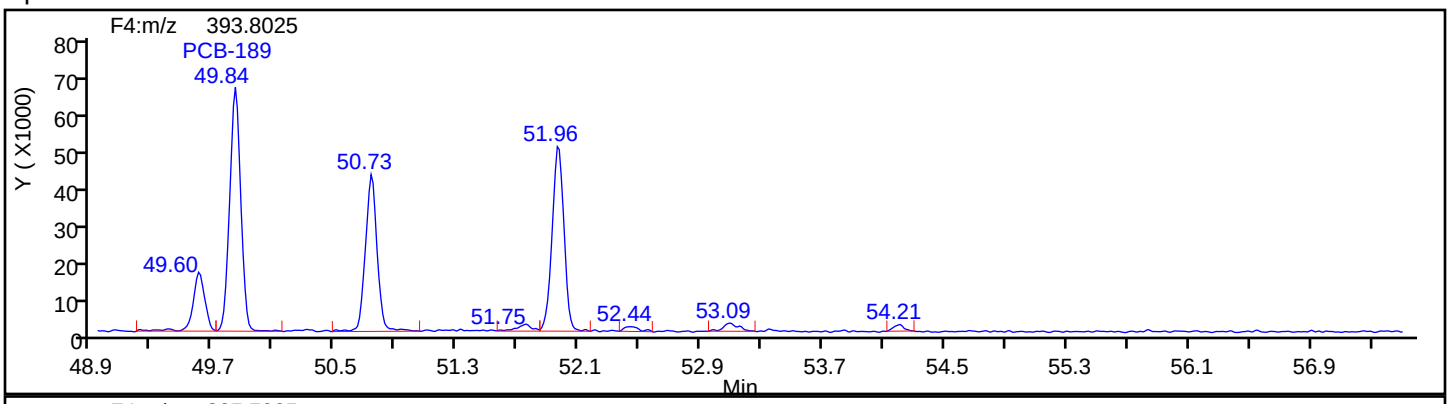


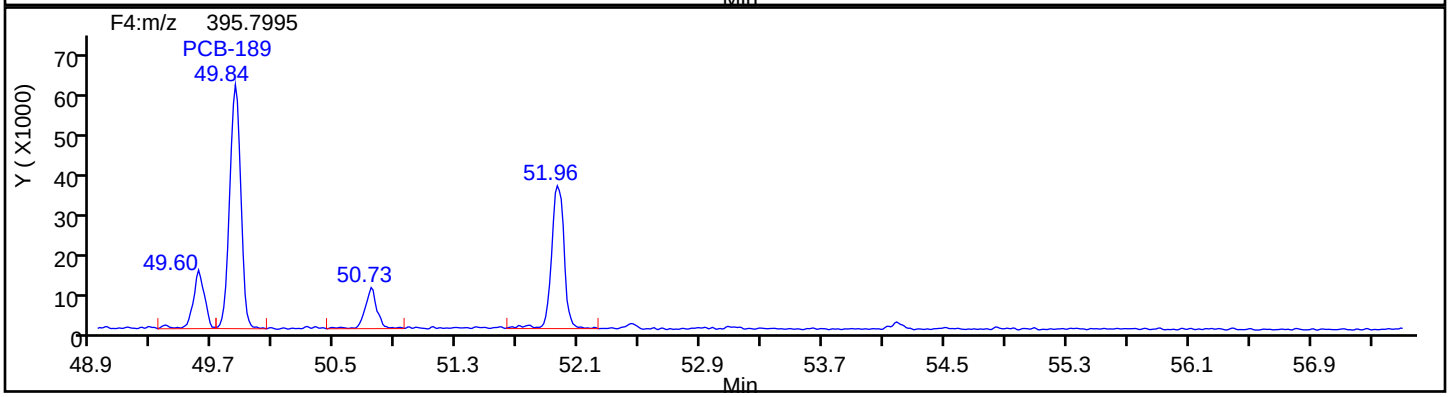

Reviewer: davidsonm, 10-Oct-2019 08:32:41
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

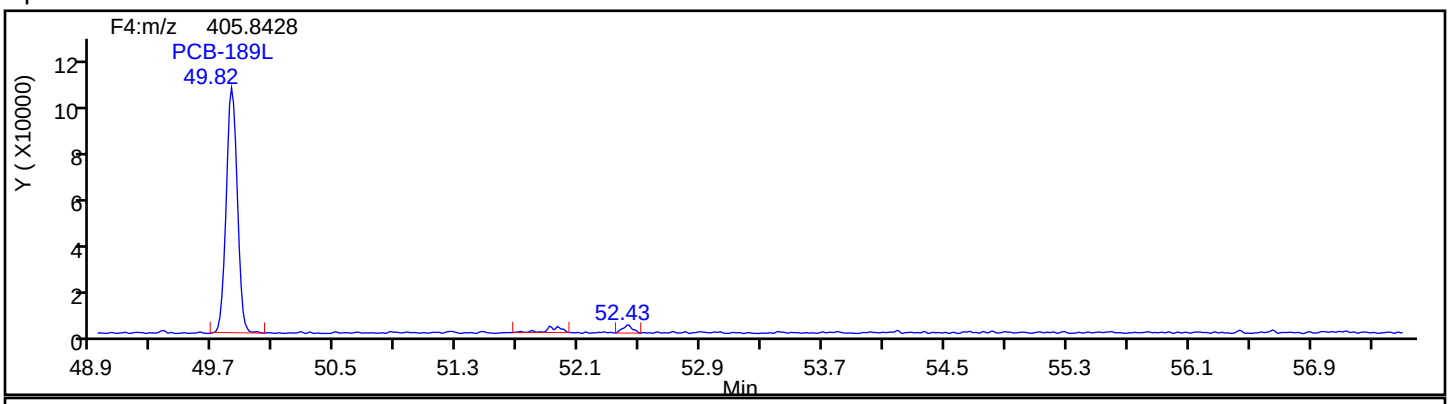
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

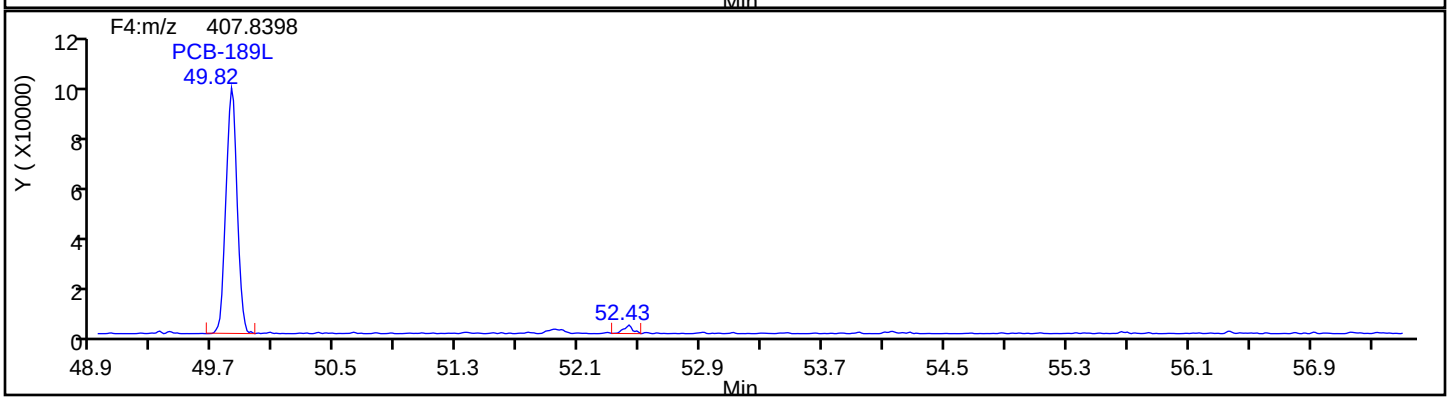
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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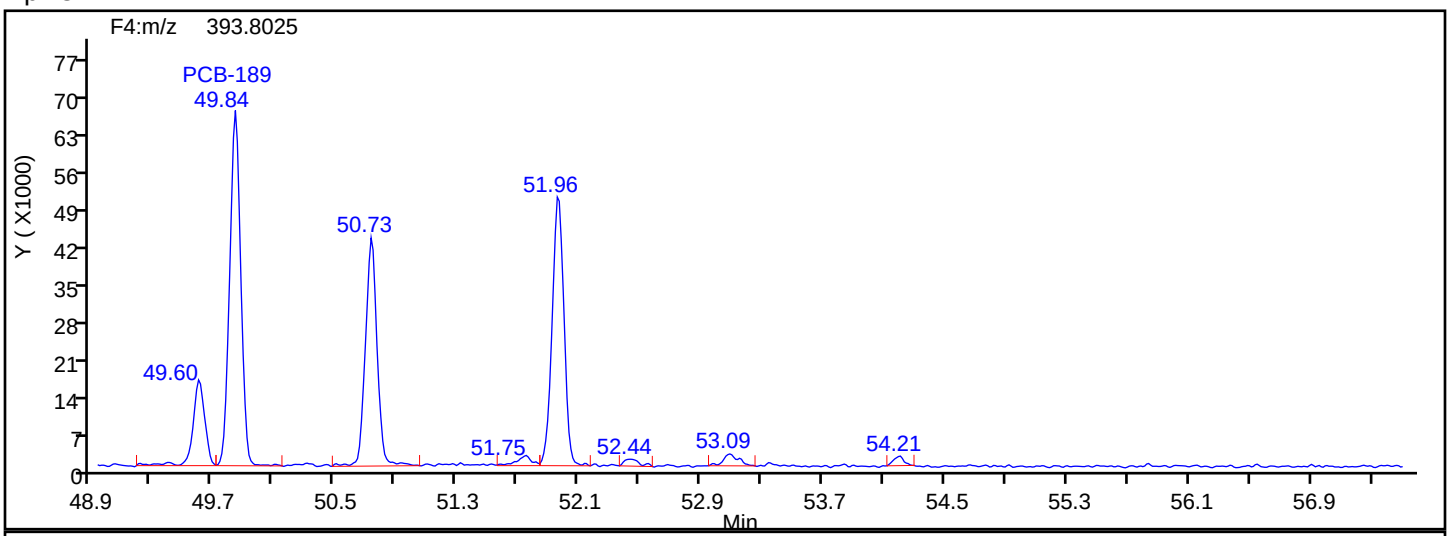
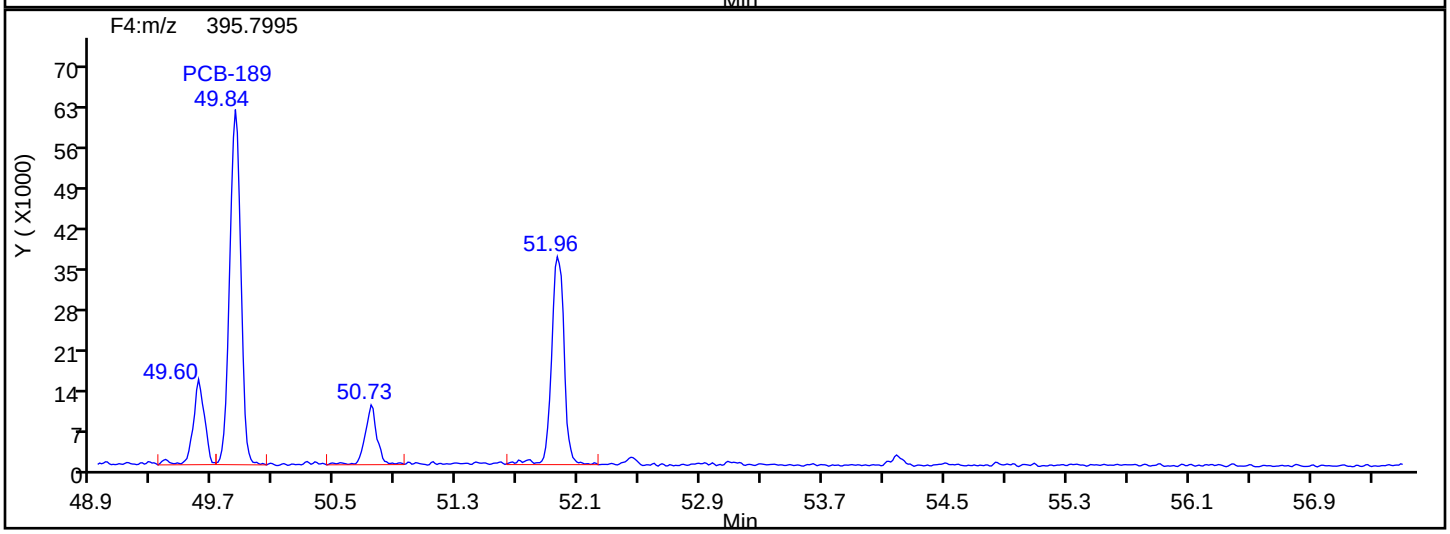
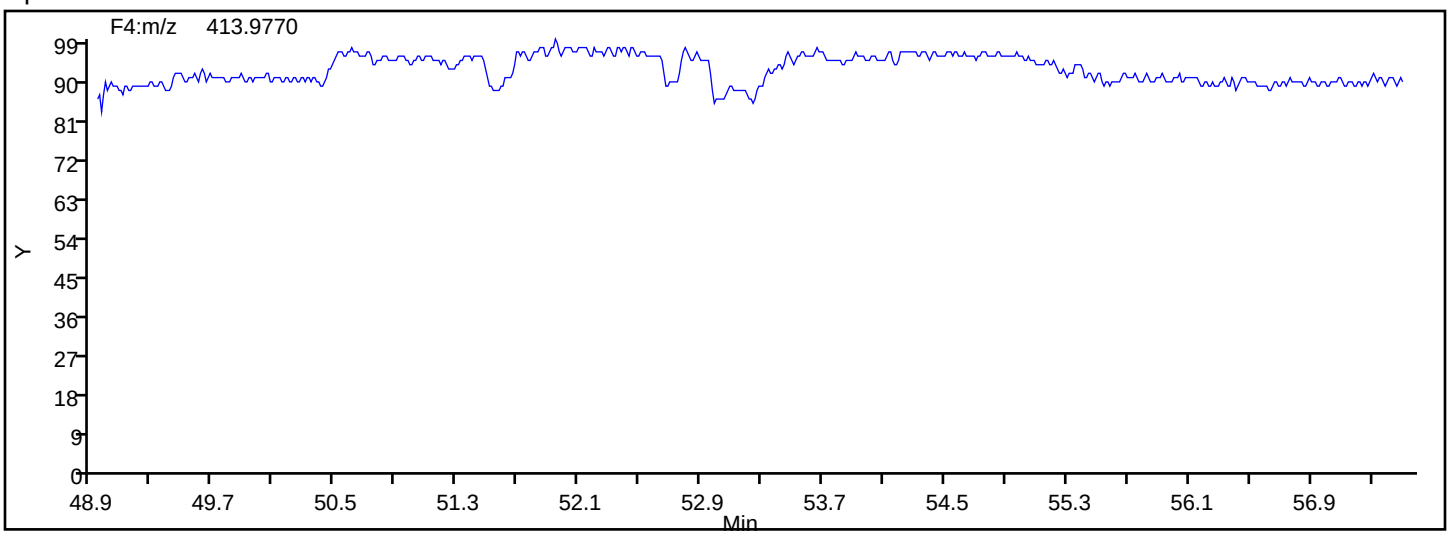
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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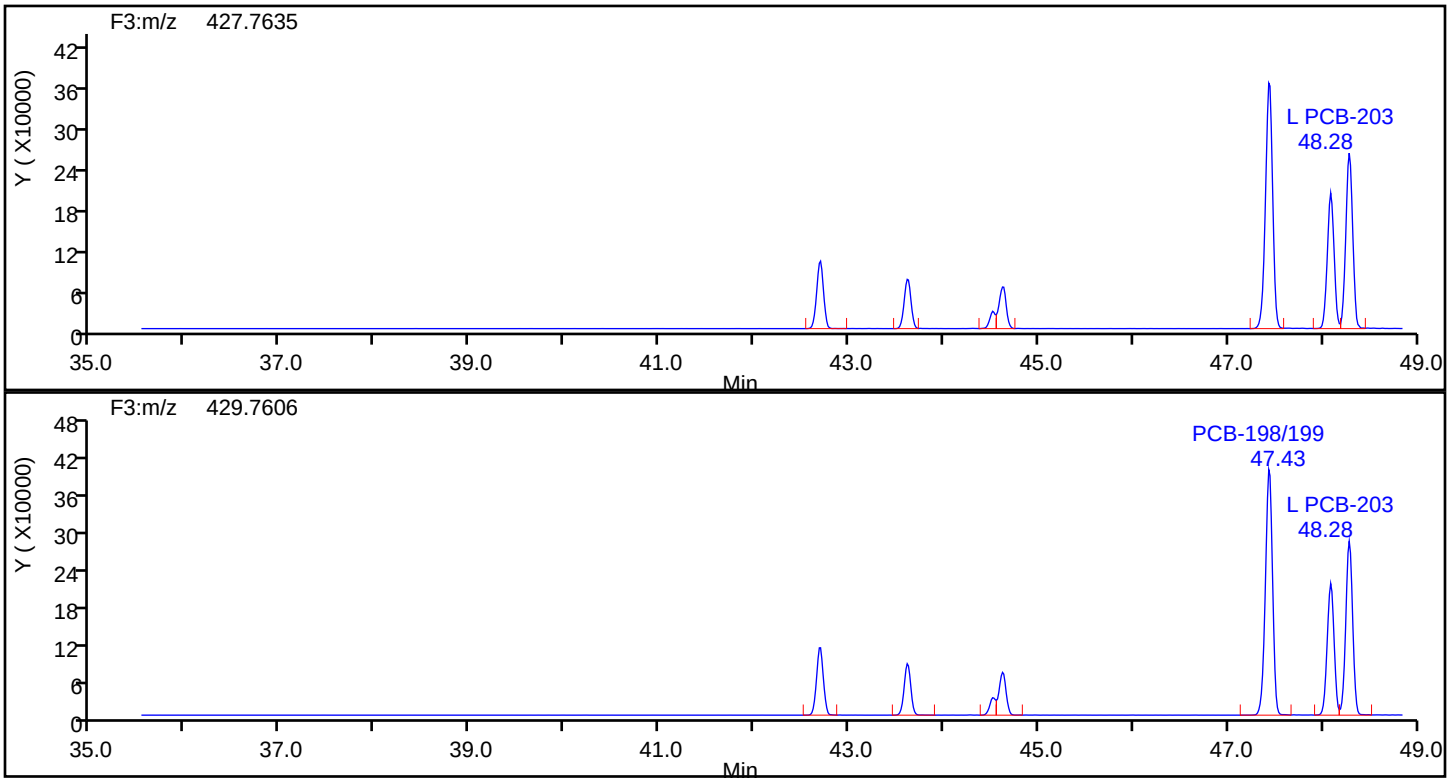
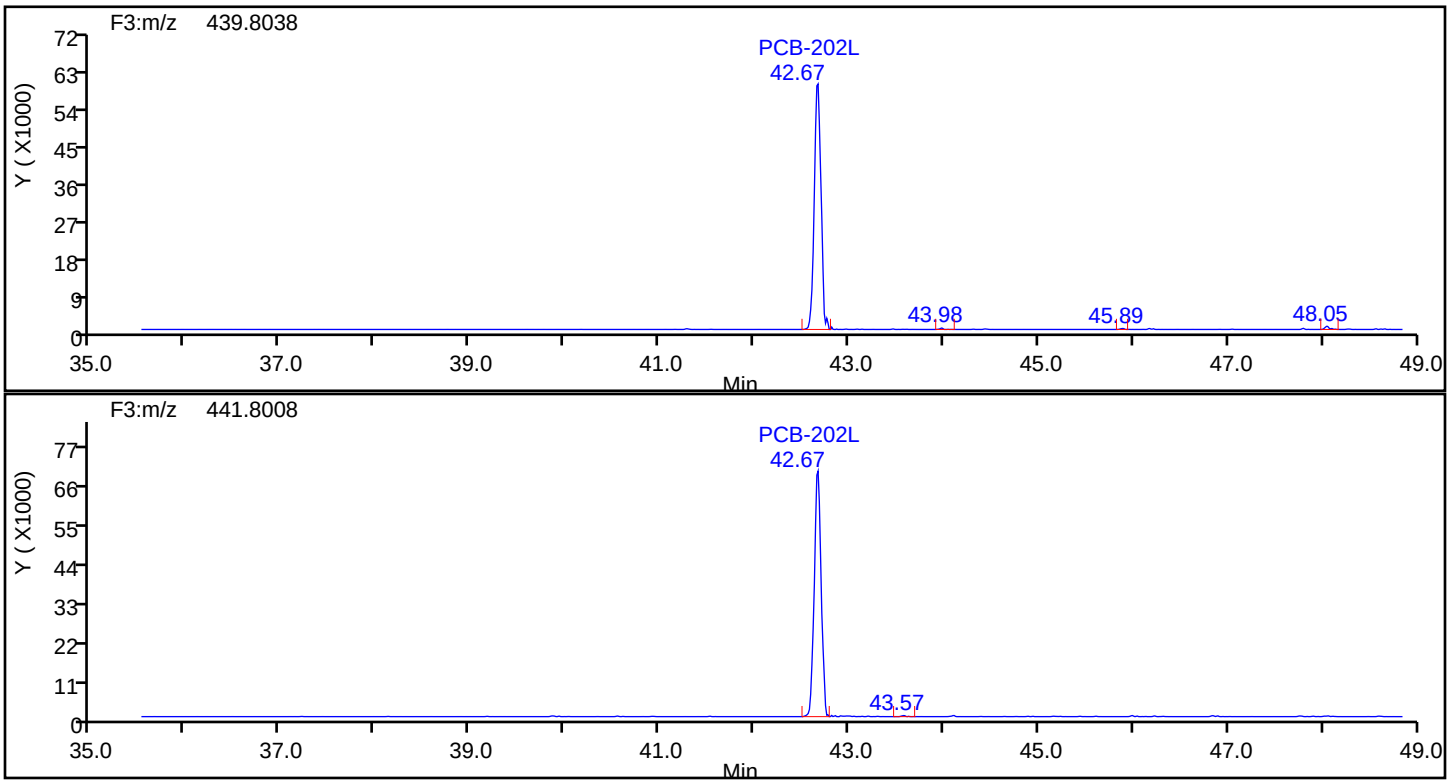
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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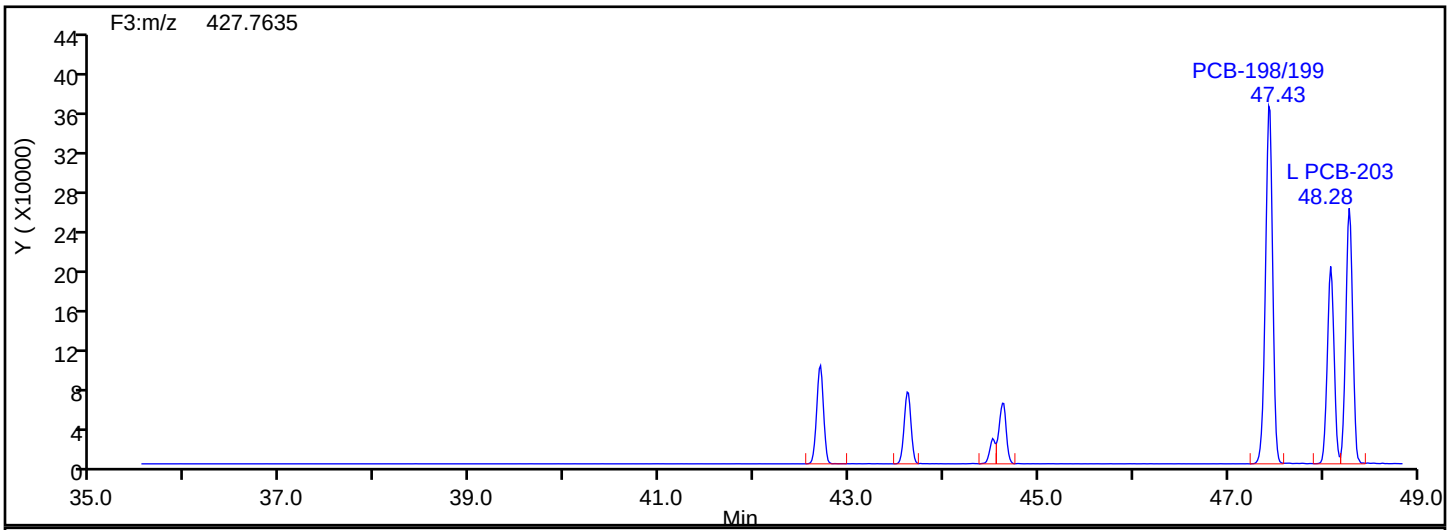
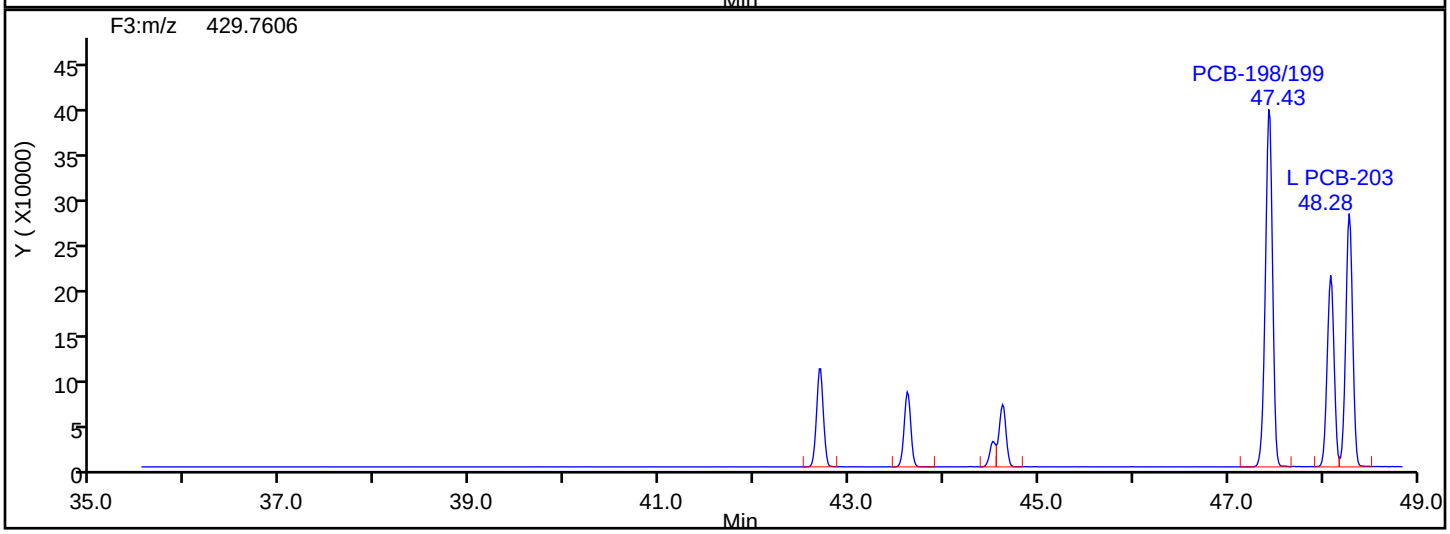
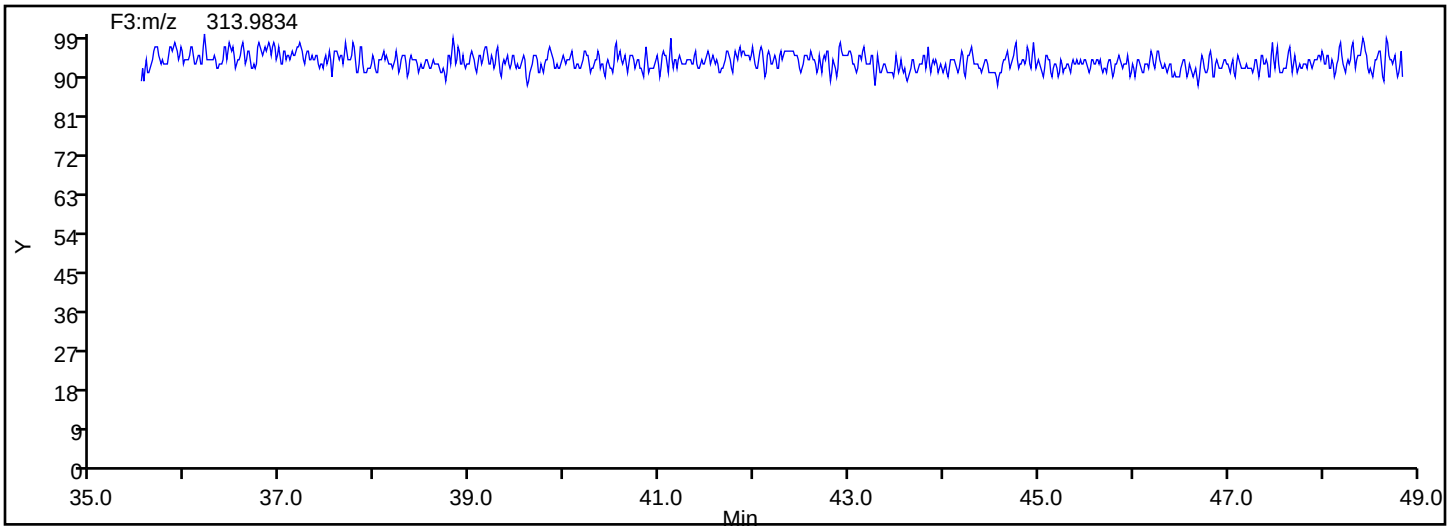
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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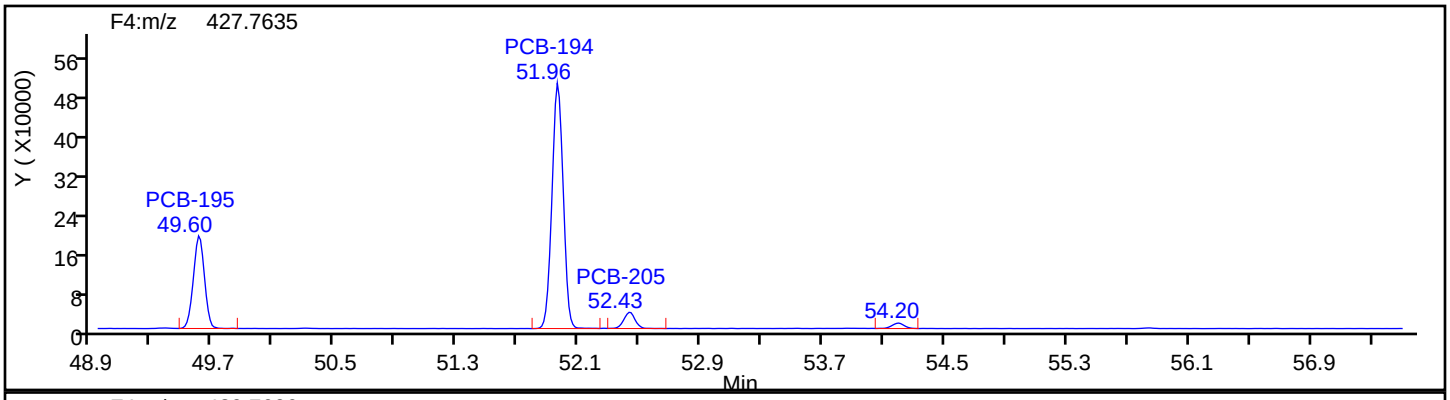
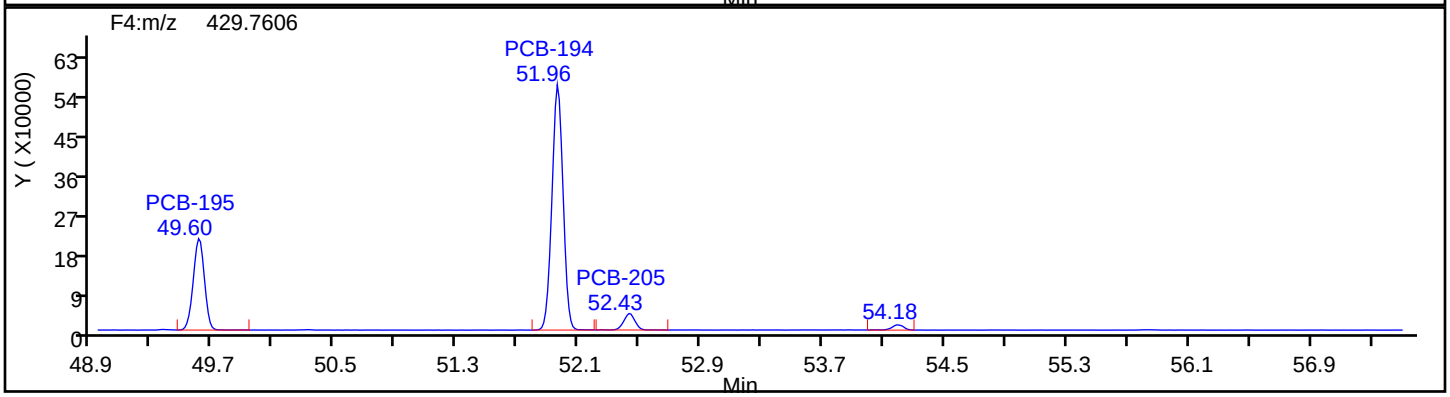
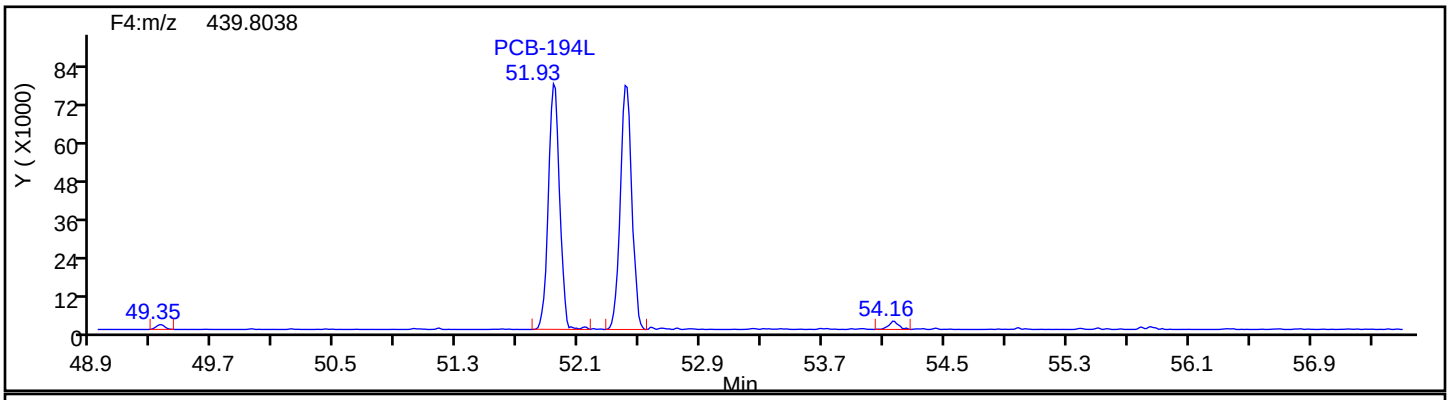
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

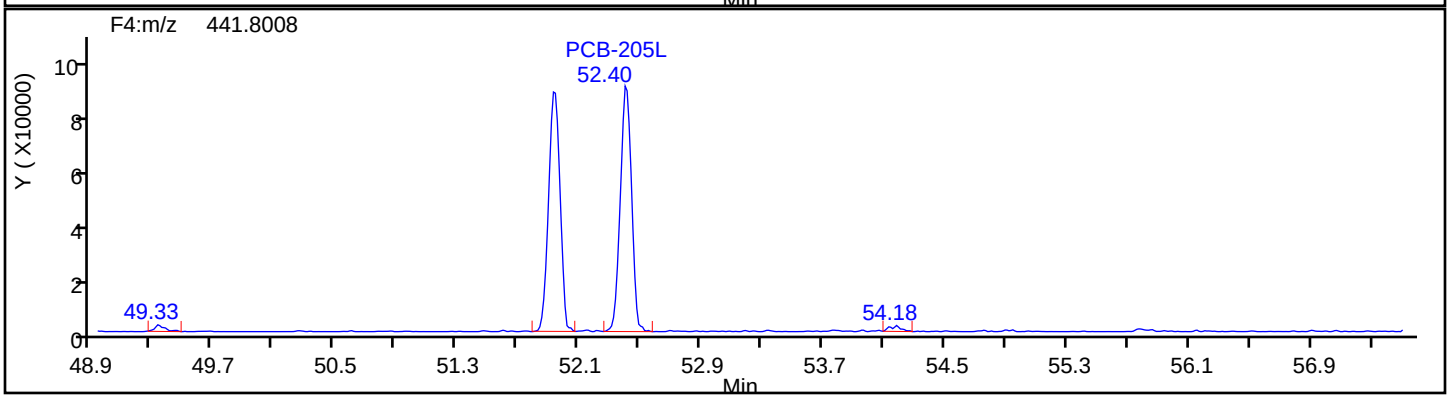
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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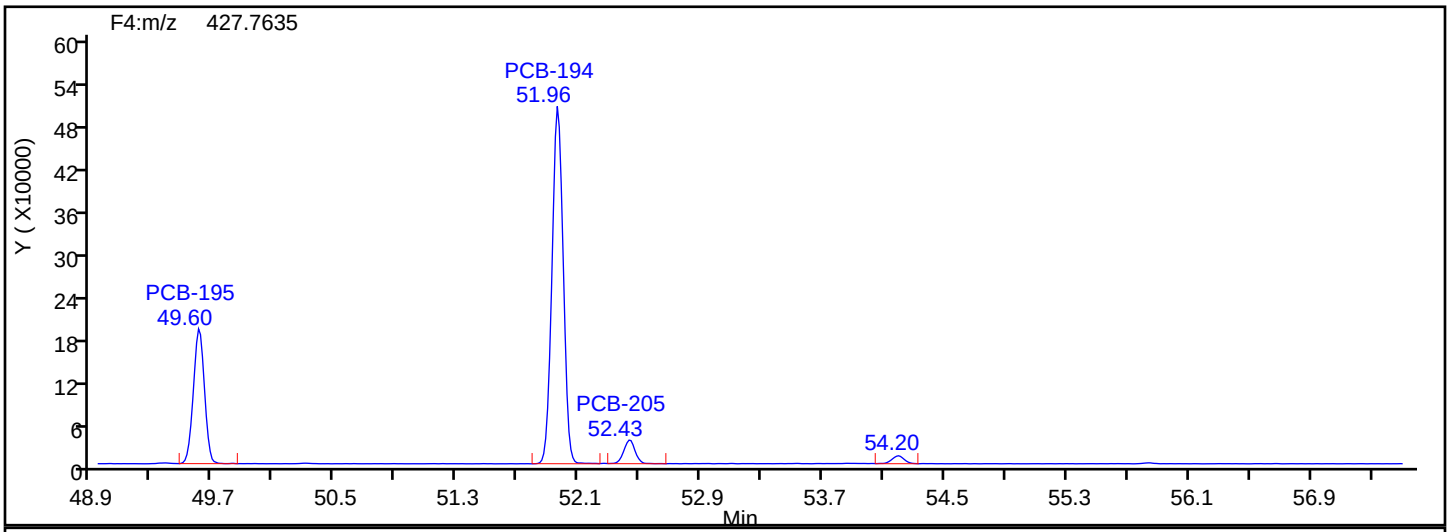
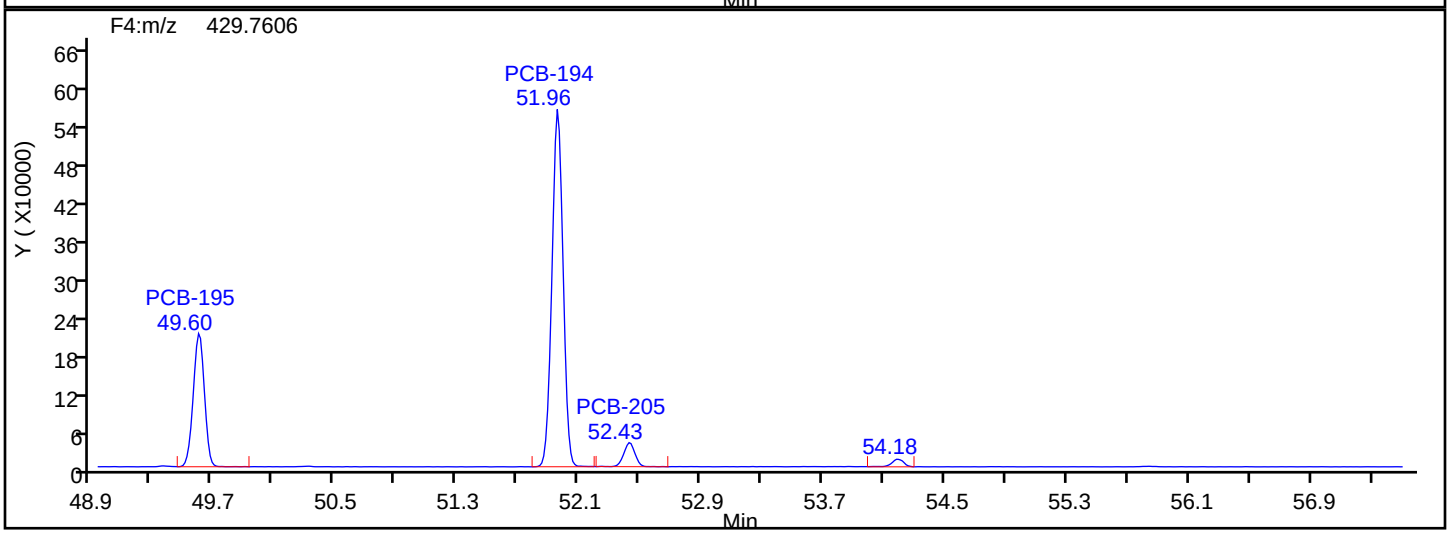
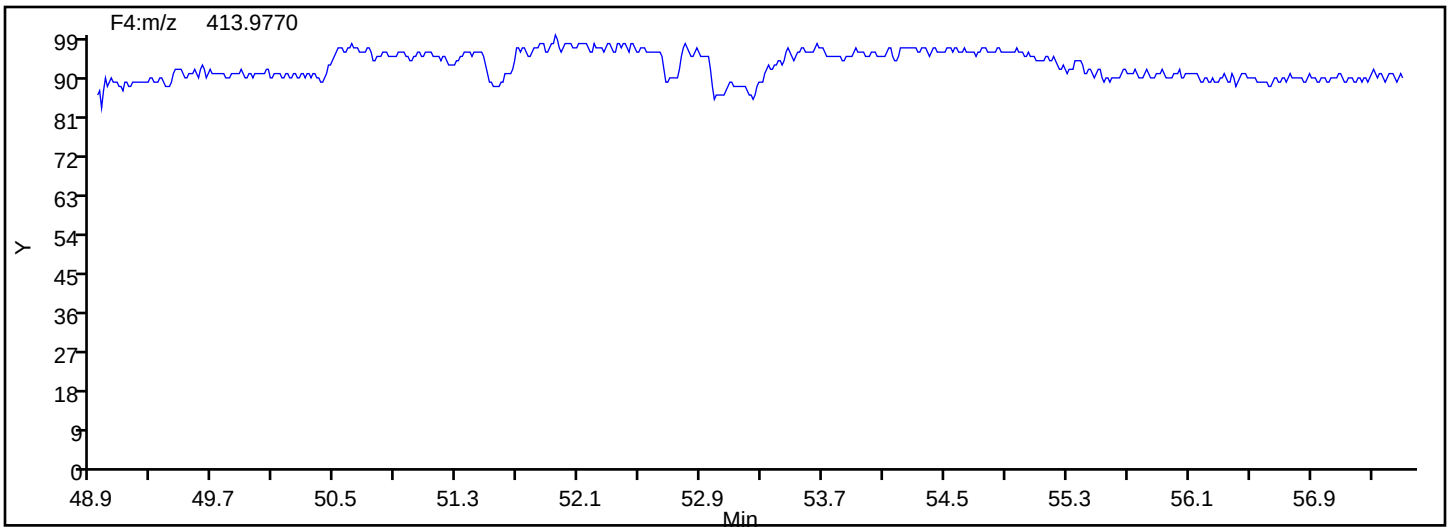
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



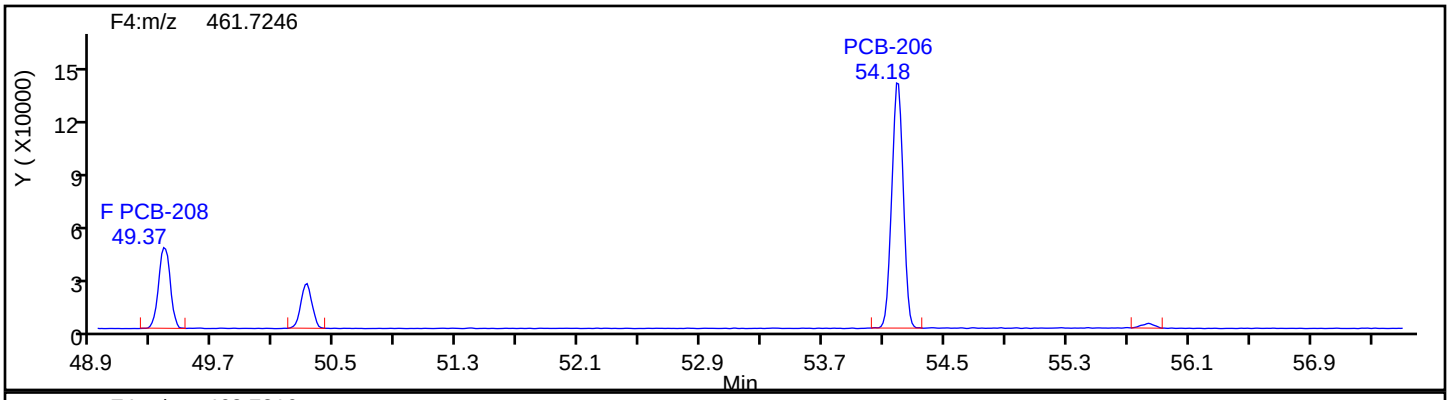

OcPCB F4 Lock Mass

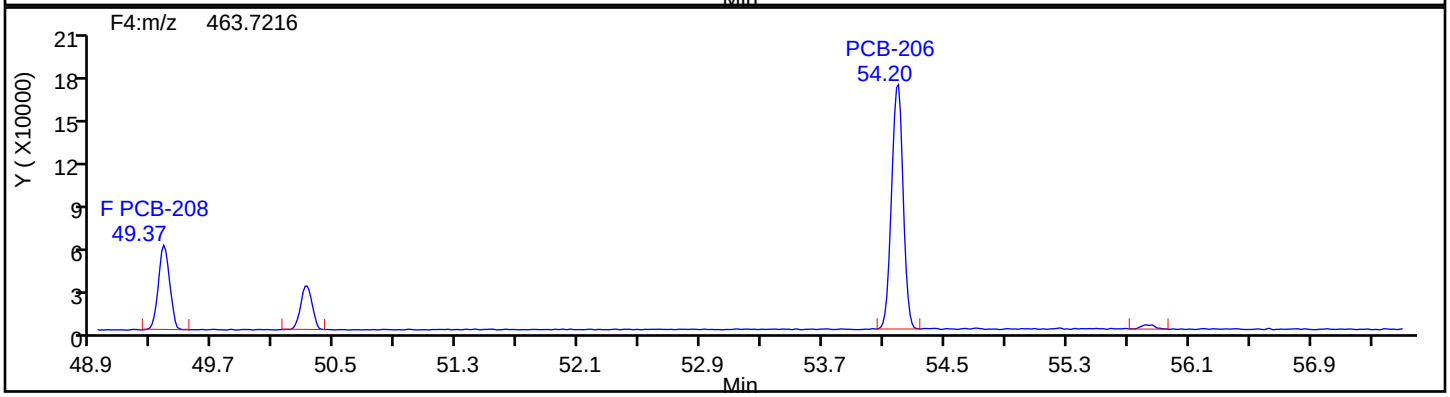


Eurofins TestAmerica, Knoxville

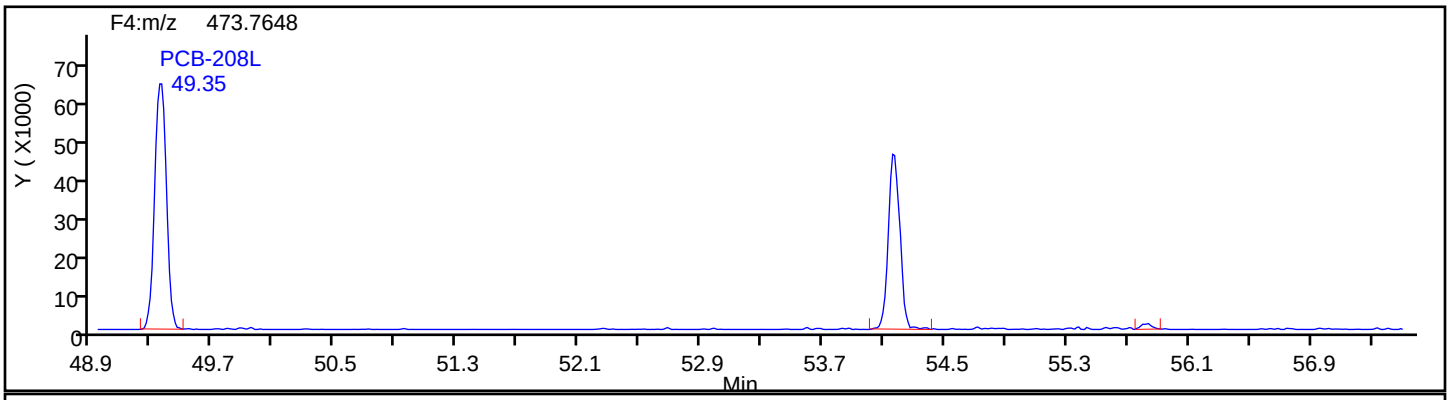
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

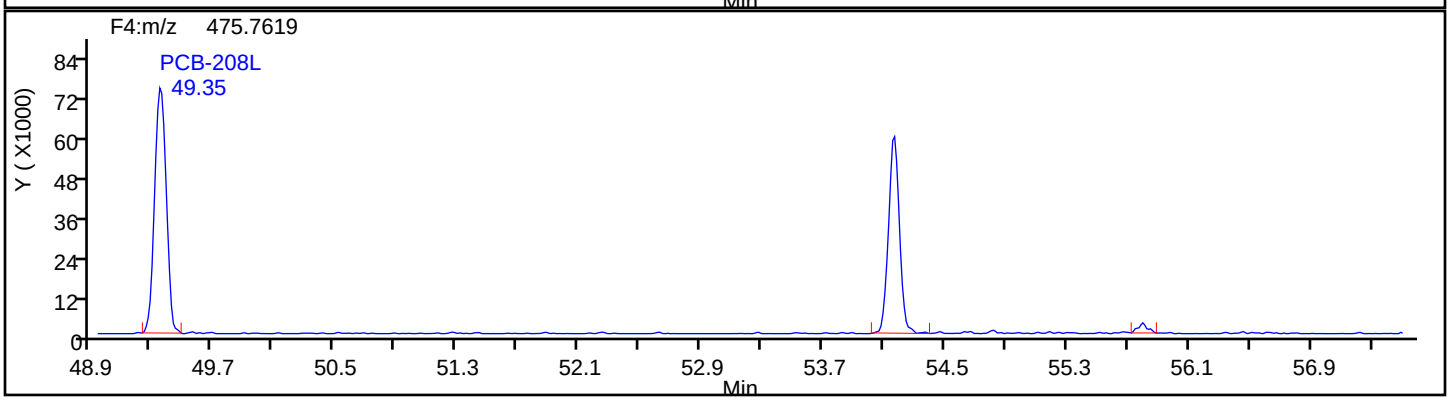
NoPCB F4




NoPCB F4 Standards

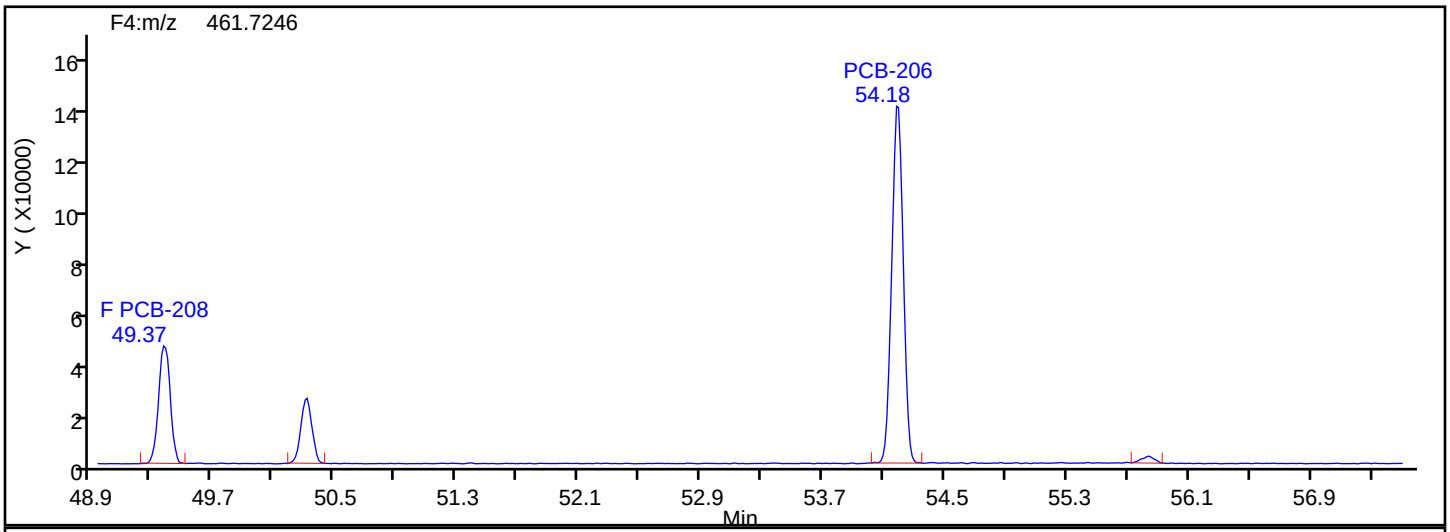


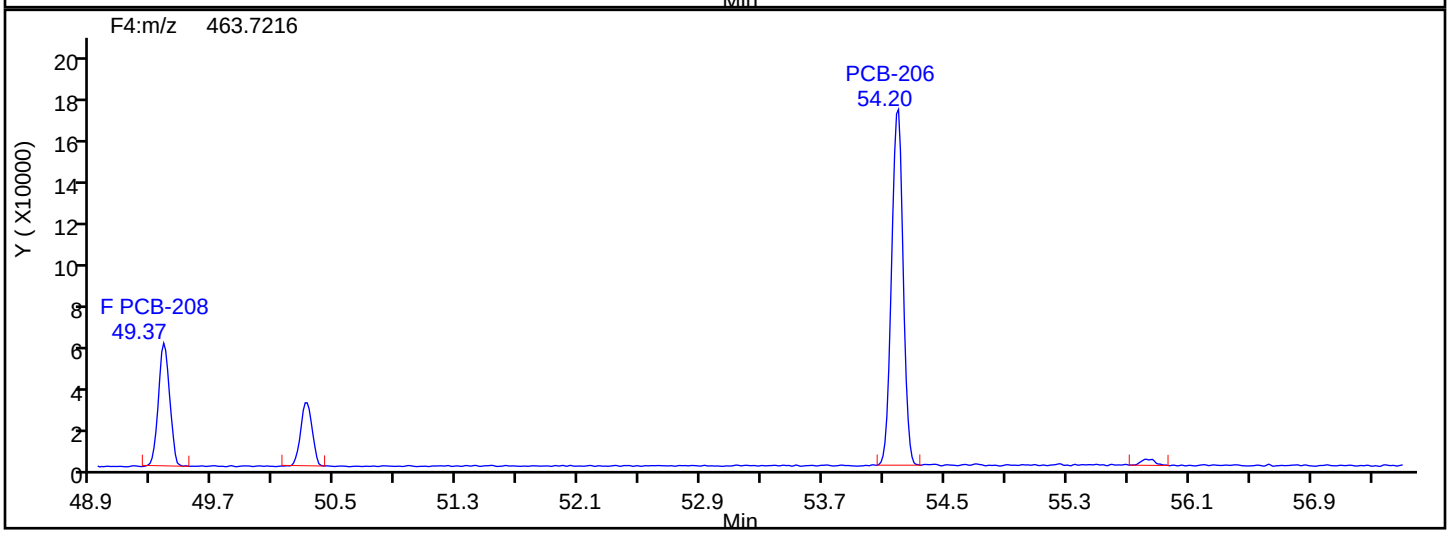



Eurofins TestAmerica, Knoxville

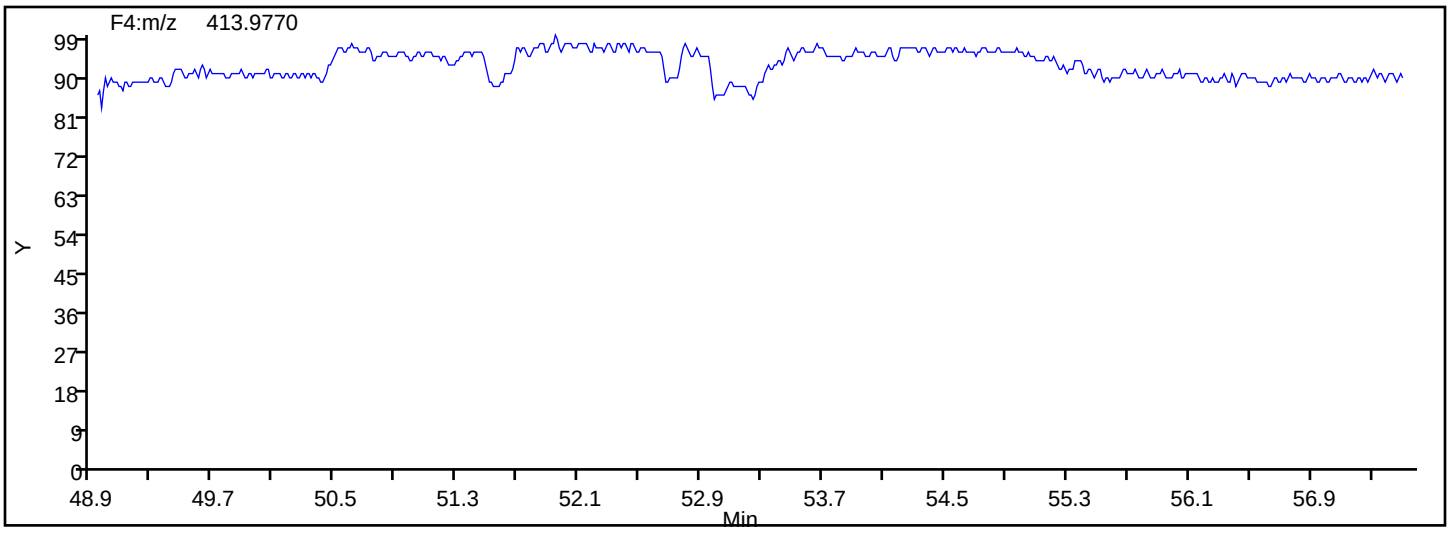
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d | | |
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



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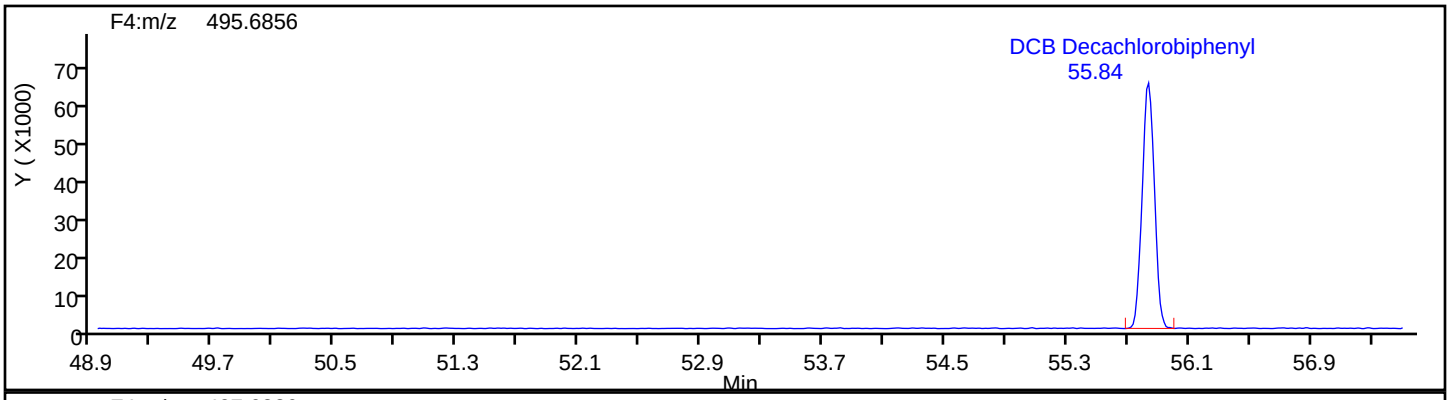
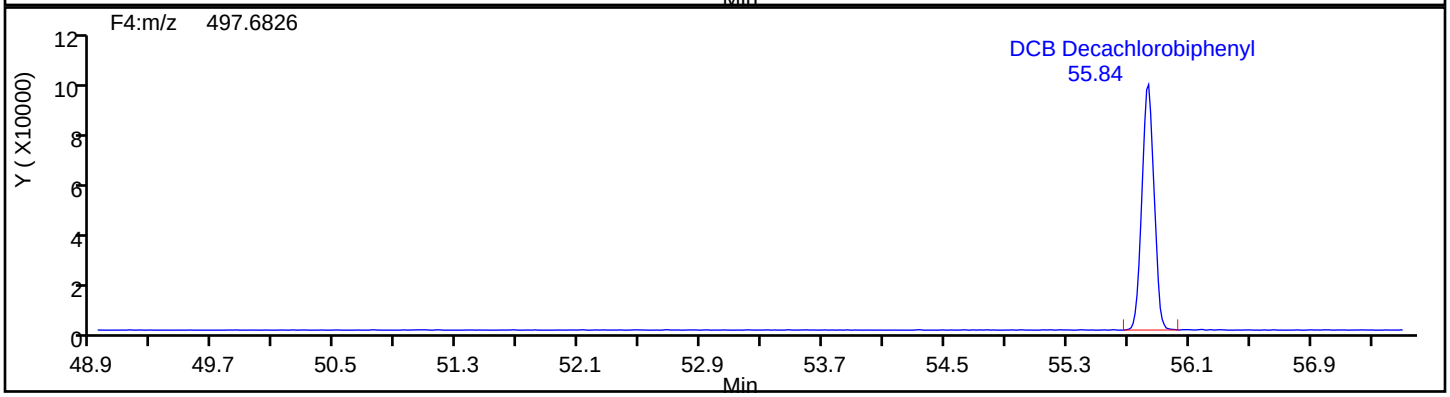
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-26-f_191010040627.d

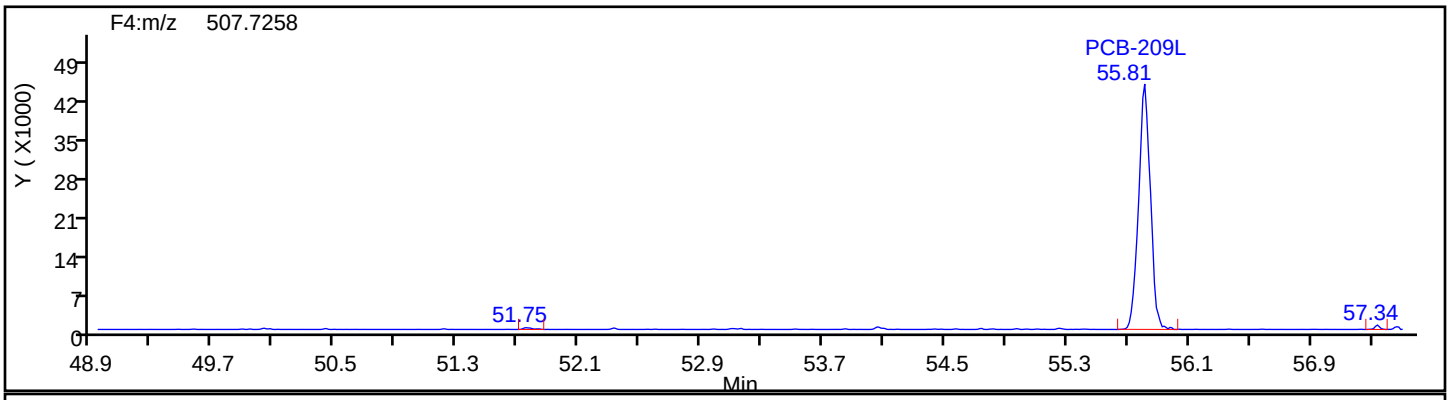
| | | | |
|---|---|---|---|
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

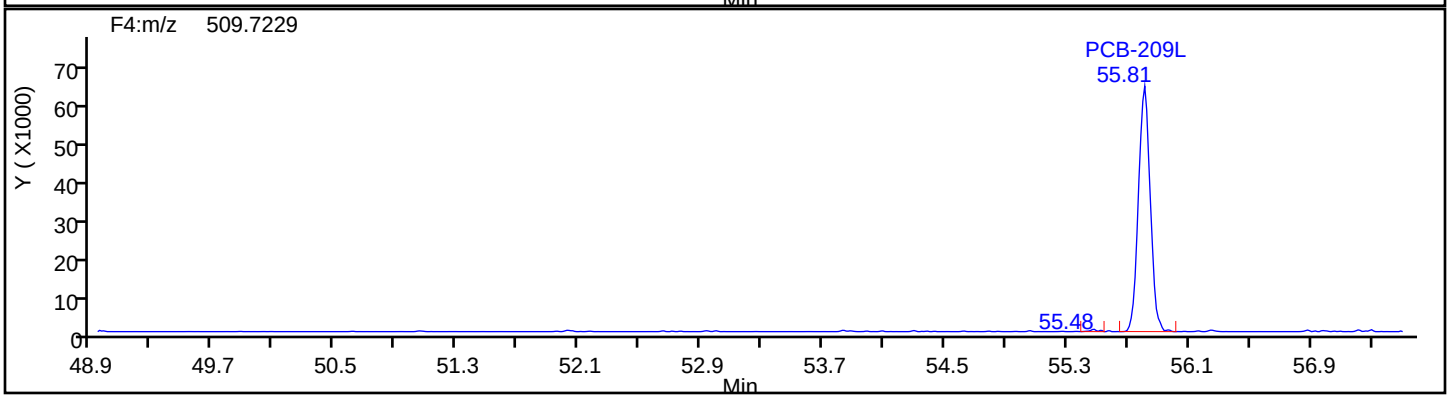
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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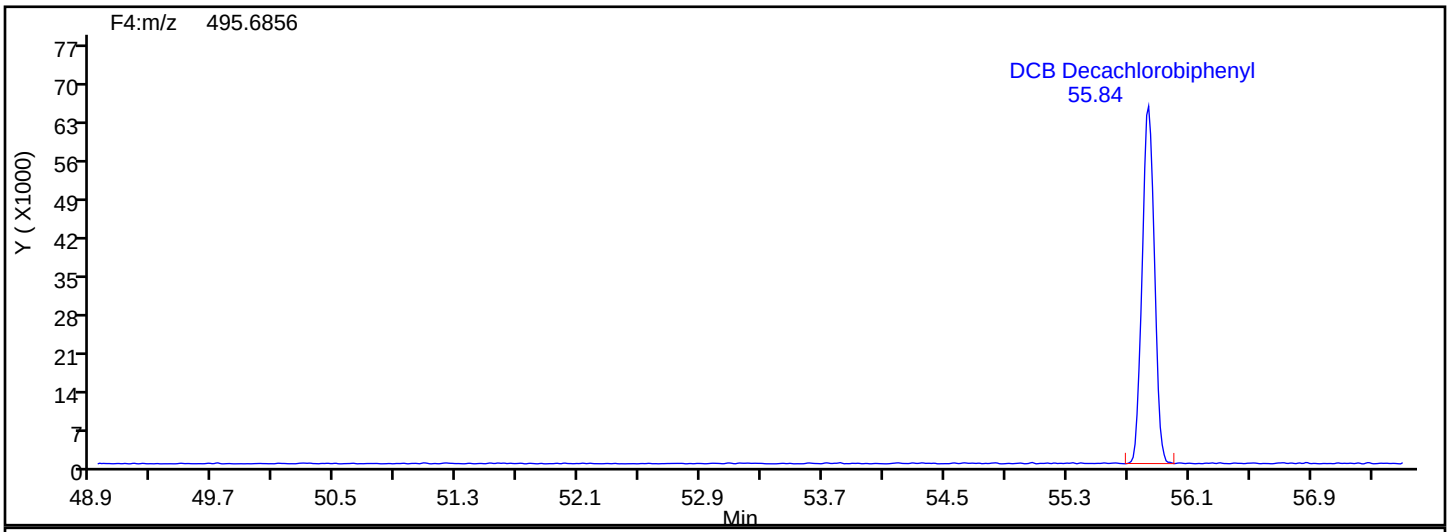
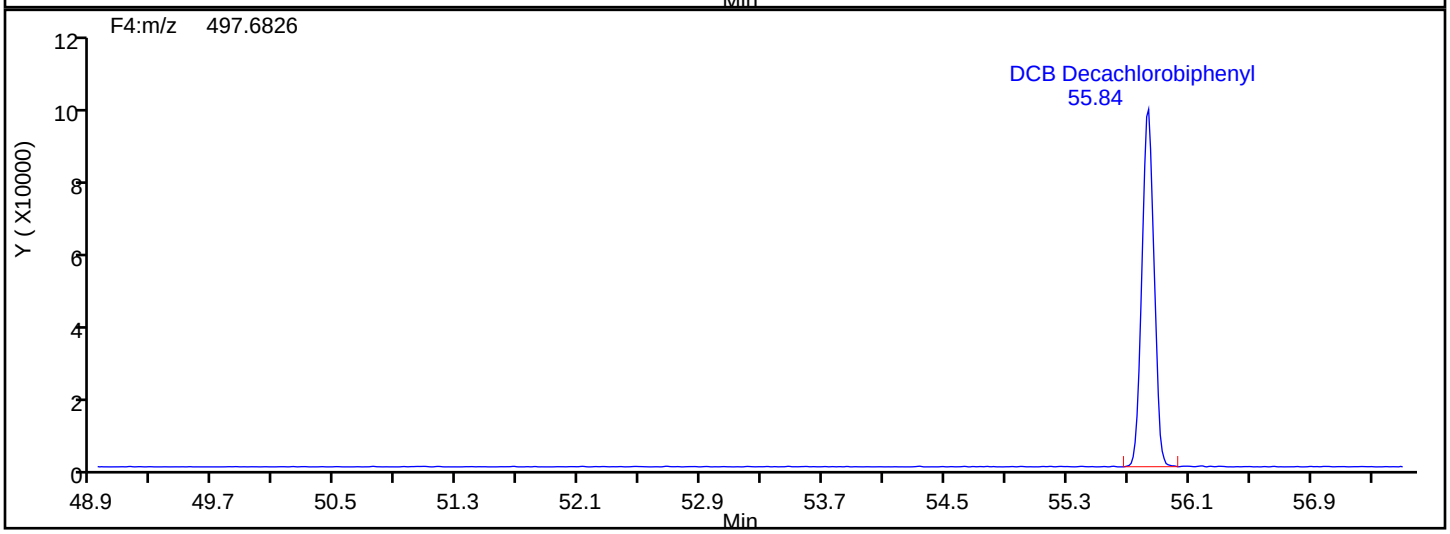
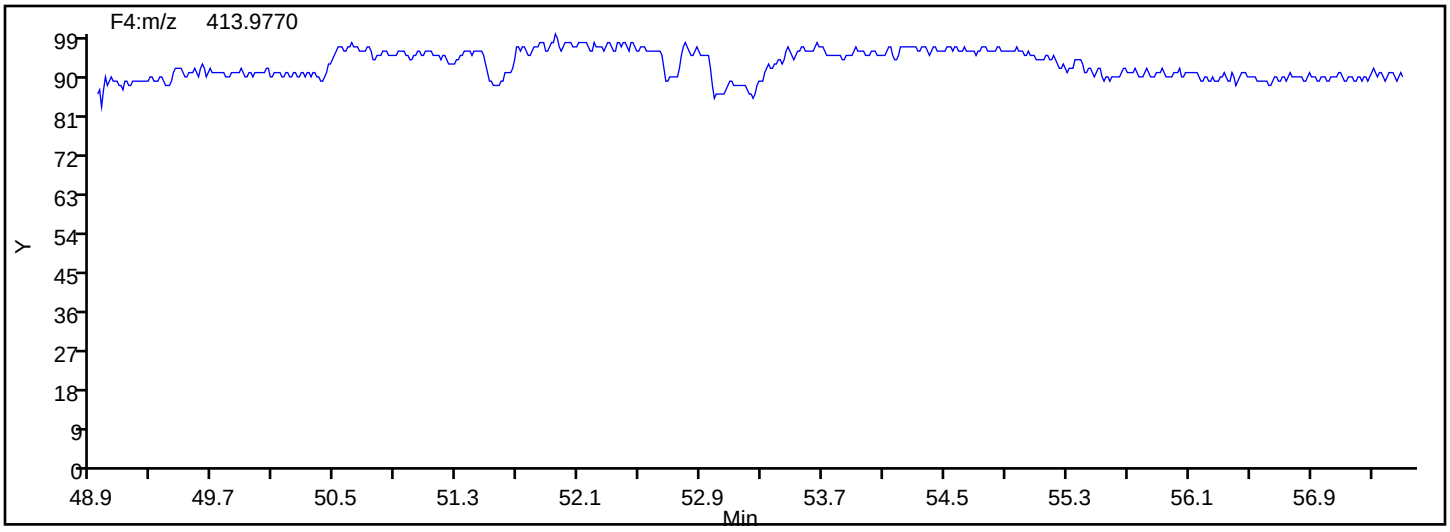
| Injection Date: | 10-Oct-2019 04:06:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-20to30-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.12 | | 0.0099 | 0.00097 |
| 2051-61-8 | PCB-2 | 0.025 | | 0.0099 | 0.00098 |
| 2051-62-9 | PCB-3 | 0.076 | | 0.0099 | 0.00099 |
| 13029-08-8 | PCB-4 | 0.18 | | 0.020 | 0.0010 |
| 16605-91-7 | PCB-5 | 0.012 | | 0.0099 | 0.00066 |
| 25569-80-6 | PCB-6 | 0.15 | | 0.0099 | 0.00067 |
| 33284-50-3 | PCB-7 | 0.031 | | 0.0099 | 0.00064 |
| 34883-43-7 | PCB-8 | 0.51 | | 0.020 | 0.00065 |
| 34883-39-1 | PCB-9 | 0.040 | | 0.0099 | 0.00073 |
| 33146-45-1 | PCB-10 | 0.011 | | 0.0099 | 0.00070 |
| 2050-67-1 | PCB-11 | 0.058 | B | 0.020 | 0.00063 |
| 2974-92-7 | PCB-12 | 0.062 | C | 0.020 | 0.00063 |
| 2974-90-5 | PCB-13 | 0.062 | C12 | 0.020 | 0.00063 |
| 34883-41-5 | PCB-14 | ND | | 0.0099 | 0.00055 |
| 2050-68-2 | PCB-15 | 0.29 | | 0.0099 | 0.00063 |
| 38444-78-9 | PCB-16 | 0.60 | | 0.0099 | 0.00067 |
| 37680-66-3 | PCB-17 | 0.84 | B | 0.0099 | 0.00053 |
| 37680-65-2 | PCB-18 | 1.4 | C B | 0.020 | 0.00045 |
| 38444-73-4 | PCB-19 | 0.11 | | 0.0099 | 0.00063 |
| 38444-84-7 | PCB-20 | 2.8 | C B | 0.020 | 0.013 |
| 55702-46-0 | PCB-21 | 1.1 | C B | 0.020 | 0.013 |
| 38444-85-8 | PCB-22 | 0.71 | G B | 0.014 | 0.014 |
| 55720-44-0 | PCB-23 | ND | G | 0.014 | 0.014 |
| 55702-45-9 | PCB-24 | 0.018 | | 0.0099 | 0.00039 |
| 55712-37-3 | PCB-25 | 0.23 | G | 0.013 | 0.013 |
| 38444-81-4 | PCB-26 | 0.38 | C B | 0.020 | 0.013 |
| 38444-76-7 | PCB-27 | 0.10 | | 0.0099 | 0.00038 |
| 7012-37-5 | PCB-28 | 2.8 | C20 B | 0.020 | 0.013 |
| 15862-07-4 | PCB-29 | 0.38 | C26 B | 0.020 | 0.013 |
| 35693-92-6 | PCB-30 | 1.4 | C18 B | 0.020 | 0.00045 |
| 16606-02-3 | PCB-31 | 2.0 | B | 0.020 | 0.013 |
| 38444-77-8 | PCB-32 | 0.47 | | 0.0099 | 0.00035 |
| 38444-86-9 | PCB-33 | 1.1 | C21 B | 0.020 | 0.013 |
| 37680-68-5 | PCB-34 | 0.043 | G | 0.014 | 0.014 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.044 | G | 0.014 | 0.014 |
| 38444-87-0 | PCB-36 | ND | G | 0.013 | 0.013 |
| 38444-90-5 | PCB-37 | 0.63 | G B | 0.014 | 0.014 |
| 53555-66-1 | PCB-38 | ND | G | 0.013 | 0.013 |
| 38444-88-1 | PCB-39 | 0.040 | G | 0.013 | 0.013 |
| 38444-93-8 | PCB-40 | 2.3 | C | 0.030 | 0.0044 |
| 52663-59-9 | PCB-41 | 2.3 | C40 | 0.030 | 0.0044 |
| 36559-22-5 | PCB-42 | 1.4 |  | 0.0099 | 0.0046 |
| 70362-46-8 | PCB-43 | 0.16 | C | 0.020 | 0.0040 |
| 41464-39-5 | PCB-44 | 5.8 | C B | 0.030 | 0.0039 |
| 70362-45-7 | PCB-45 | 1.1 | C B | 0.020 | 0.0045 |
| 41464-47-5 | PCB-46 | 0.23 |  | 0.0099 | 0.0053 |
| 2437-79-8 | PCB-47 | 5.8 | C44 B | 0.030 | 0.0039 |
| 70362-47-9 | PCB-48 | 0.74 |  | 0.0099 | 0.0043 |
| 41464-40-8 | PCB-49 | 4.1 | C B | 0.020 | 0.0035 |
| 62796-65-0 | PCB-50 | 0.73 | C | 0.020 | 0.0043 |
| 68194-04-7 | PCB-51 | 1.1 | C45 B | 0.020 | 0.0045 |
| 35693-99-3 | PCB-52 | 7.2 | B | 0.0099 | 0.0045 |
| 41464-41-9 | PCB-53 | 0.73 | C50 | 0.020 | 0.0043 |
| 15968-05-5 | PCB-54 | 0.056 |  | 0.0099 | 0.00056 |
| 74338-24-2 | PCB-55 | 0.033 |  | 0.0099 | 0.0031 |
| 41464-43-1 | PCB-56 | 1.8 |  | 0.0099 | 0.0032 |
| 70424-67-8 | PCB-57 | 0.011 | q | 0.0099 | 0.0031 |
| 41464-49-7 | PCB-58 | 0.059 |  | 0.0099 | 0.0030 |
| 74472-33-6 | PCB-59 | 0.38 | C | 0.030 | 0.0030 |
| 33025-41-1 | PCB-60 | 0.33 |  | 0.0099 | 0.0030 |
| 33284-53-6 | PCB-61 | 7.7 | C B | 0.039 | 0.0030 |
| 54230-22-7 | PCB-62 | 0.38 | C59 | 0.030 | 0.0030 |
| 74472-34-7 | PCB-63 | 0.19 |  | 0.0099 | 0.0027 |
| 52663-58-8 | PCB-64 | 1.6 |  | 0.0099 | 0.0028 |
| 33284-54-7 | PCB-65 | 5.8 | C44 B | 0.030 | 0.0039 |
| 32598-10-0 | PCB-66 | 4.7 | B | 0.0099 | 0.0031 |
| 73575-53-8 | PCB-67 | 0.11 |  | 0.0099 | 0.0029 |
| 73575-52-7 | PCB-68 | 0.12 | B | 0.0099 | 0.0027 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 4.1 | C49 B | 0.020 | 0.0035 |
| 32598-11-1 | PCB-70 | 7.7 | C61 B | 0.039 | 0.0030 |
| 41464-46-4 | PCB-71 | 2.3 | C40 | 0.030 | 0.0044 |
| 41464-42-0 | PCB-72 | 0.22 | | 0.0099 | 0.0031 |
| 74338-23-1 | PCB-73 | 0.16 | C43 | 0.020 | 0.0040 |
| 32690-93-0 | PCB-74 | 7.7 | C61 B | 0.039 | 0.0030 |
| 32598-12-2 | PCB-75 | 0.38 | C59 | 0.030 | 0.0030 |
| 70362-48-0 | PCB-76 | 7.7 | C61 B | 0.039 | 0.0030 |
| 32598-13-3 | PCB-77 | 0.32 | | 0.0099 | 0.0030 |
| 70362-49-1 | PCB-78 | ND | | 0.0099 | 0.0031 |
| 41464-48-6 | PCB-79 | 0.11 | | 0.0099 | 0.0026 |
| 33284-52-5 | PCB-80 | ND | | 0.0099 | 0.0027 |
| 70362-50-4 | PCB-81 | 0.0082 | J | 0.0099 | 0.0031 |
| 52663-62-4 | PCB-82 | 0.76 | B | 0.0099 | 0.00083 |
| 60145-20-2 | PCB-83 | 6.3 | C B | 0.020 | 0.00077 |
| 52663-60-2 | PCB-84 | 2.3 | B | 0.0099 | 0.00084 |
| 65510-45-4 | PCB-85 | 1.1 | C | 0.030 | 0.00060 |
| 55312-69-1 | PCB-86 | 4.6 | C B | 0.059 | 0.00061 |
| 38380-02-8 | PCB-87 | 4.6 | C86 B | 0.059 | 0.00061 |
| 55215-17-3 | PCB-88 | 1.7 | C B | 0.020 | 0.00072 |
| 73575-57-2 | PCB-89 | 0.086 | | 0.0099 | 0.00081 |
| 68194-07-0 | PCB-90 | 9.8 | C B | 0.030 | 0.00064 |
| 68194-05-8 | PCB-91 | 1.7 | C88 B | 0.020 | 0.00072 |
| 52663-61-3 | PCB-92 | 2.5 | B | 0.0099 | 0.00076 |
| 73575-56-1 | PCB-93 | 0.28 | C | 0.020 | 0.00074 |
| 73575-55-0 | PCB-94 | 0.093 | | 0.0099 | 0.00080 |
| 38379-99-6 | PCB-95 | 7.7 | B | 0.0099 | 0.00075 |
| 73575-54-9 | PCB-96 | 0.096 | | 0.0099 | 0.00059 |
| 41464-51-1 | PCB-97 | 4.6 | C86 B | 0.059 | 0.00061 |
| 60233-25-2 | PCB-98 | 0.44 | C | 0.020 | 0.00073 |
| 38380-01-7 | PCB-99 | 6.3 | C83 B | 0.020 | 0.00077 |
| 39485-83-1 | PCB-100 | 0.28 | C93 | 0.020 | 0.00074 |
| 37680-73-2 | PCB-101 | 9.8 | C90 B | 0.030 | 0.00064 |
| 68194-06-9 | PCB-102 | 0.44 | C98 | 0.020 | 0.00073 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.37 | | 0.0099 | 0.00070 |
| 56558-16-8 | PCB-104 | ND | | 0.0099 | 0.00052 |
| 32598-14-4 | PCB-105 | 1.7 | B | 0.0099 | 0.0085 |
| 70424-69-0 | PCB-106 | ND | | 0.0099 | 0.0085 |
| 70424-68-9 | PCB-107 | 0.76 | B | 0.0099 | 0.0080 |
| 70362-41-3 | PCB-108 | 0.21 | C | 0.020 | 0.0086 |
| 74472-35-8 | PCB-109 | 4.6 | C86 B | 0.059 | 0.00061 |
| 38380-03-9 | PCB-110 | 8.4 | C B | 0.020 | 0.00054 |
| 39635-32-0 | PCB-111 | 0.035 | | 0.0099 | 0.00051 |
| 74472-36-9 | PCB-112 | ND | | 0.0099 | 0.00053 |
| 68194-10-5 | PCB-113 | 9.8 | C90 B | 0.030 | 0.00064 |
| 74472-37-0 | PCB-114 | 0.10 | | 0.0099 | 0.0077 |
| 74472-38-1 | PCB-115 | 8.4 | C110 B | 0.020 | 0.00054 |
| 18259-05-7 | PCB-116 | 1.1 | C85 | 0.030 | 0.00060 |
| 68194-11-6 | PCB-117 | 1.1 | C85 | 0.030 | 0.00060 |
| 31508-00-6 | PCB-118 | 6.0 | B | 0.0099 | 0.0079 |
| 56558-17-9 | PCB-119 | 4.6 | C86 B | 0.059 | 0.00061 |
| 68194-12-7 | PCB-120 | 0.10 | | 0.0099 | 0.00049 |
| 56558-18-0 | PCB-121 | ND | | 0.0099 | 0.00052 |
| 76842-07-4 | PCB-122 | 0.083 | B | 0.0099 | 0.0093 |
| 65510-44-3 | PCB-123 | 0.072 | q | 0.0099 | 0.0080 |
| 70424-70-3 | PCB-124 | 0.21 | C108 | 0.020 | 0.0086 |
| 74472-39-2 | PCB-125 | 4.6 | C86 B | 0.059 | 0.00061 |
| 57465-28-8 | PCB-126 | 0.015 | q | 0.0099 | 0.0086 |
| 39635-33-1 | PCB-127 | ND | | 0.0099 | 0.0084 |
| 38380-07-3 | PCB-128 | 1.6 | C B | 0.020 | 0.0036 |
| 55215-18-4 | PCB-129 | 11 | C B | 0.039 | 0.0037 |
| 52663-66-8 | PCB-130 | 0.91 | B | 0.0099 | 0.0049 |
| 61798-70-7 | PCB-131 | 0.13 | | 0.0099 | 0.0047 |
| 38380-05-1 | PCB-132 | 4.3 | B | 0.0099 | 0.0046 |
| 35694-04-3 | PCB-133 | 0.37 | | 0.0099 | 0.0045 |
| 52704-70-8 | PCB-134 | 0.76 | C | 0.020 | 0.0048 |
| 52744-13-5 | PCB-135 | 4.9 | C B | 0.020 | 0.00092 |
| 38411-22-2 | PCB-136 | 2.0 | B | 0.0099 | 0.00069 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 0.29 | | 0.0099 | 0.0038 |
| 35065-28-2 | PCB-138 | 11 | C129 B | 0.039 | 0.0037 |
| 56030-56-9 | PCB-139 | 0.26 | C | 0.020 | 0.0041 |
| 59291-64-4 | PCB-140 | 0.26 | C139 | 0.020 | 0.0041 |
| 52712-04-6 | PCB-141 | 2.0 | B | 0.0099 | 0.0042 |
| 41411-61-4 | PCB-142 | ND | | 0.0099 | 0.0047 |
| 68194-15-0 | PCB-143 | 0.76 | C134 | 0.020 | 0.0048 |
| 68194-14-9 | PCB-144 | 0.45 | | 0.0099 | 0.00087 |
| 74472-40-5 | PCB-145 | 0.0065 | J | 0.0099 | 0.00067 |
| 51908-16-8 | PCB-146 | 2.9 | B | 0.0099 | 0.0040 |
| 68194-13-8 | PCB-147 | 13 | C B | 0.020 | 0.0042 |
| 74472-41-6 | PCB-148 | 0.076 | | 0.0099 | 0.00089 |
| 38380-04-0 | PCB-149 | 13 | C147 B | 0.020 | 0.0042 |
| 68194-08-1 | PCB-150 | 0.071 | | 0.0099 | 0.00065 |
| 52663-63-5 | PCB-151 | 4.9 | C135 B | 0.020 | 0.00092 |
| 68194-09-2 | PCB-152 | 0.013 | | 0.0099 | 0.00064 |
| 35065-27-1 | PCB-153 | 11 | C B | 0.020 | 0.0033 |
| 60145-22-4 | PCB-154 | 0.46 | | 0.0099 | 0.00079 |
| 33979-03-2 | PCB-155 | ND | | 0.0099 | 0.00062 |
| 38380-08-4 | PCB-156 | 0.90 | C B | 0.020 | 0.0038 |
| 69782-90-7 | PCB-157 | 0.90 | C156 B | 0.020 | 0.0038 |
| 74472-42-7 | PCB-158 | 0.79 | B | 0.0099 | 0.0029 |
| 39635-35-3 | PCB-159 | 0.15 | | 0.0099 | 0.0031 |
| 41411-62-5 | PCB-160 | 11 | C129 B | 0.039 | 0.0037 |
| 74472-43-8 | PCB-161 | ND | | 0.0099 | 0.0030 |
| 39635-34-2 | PCB-162 | ND | | 0.0099 | 0.0030 |
| 74472-44-9 | PCB-163 | 11 | C129 B | 0.039 | 0.0037 |
| 74472-45-0 | PCB-164 | 0.86 | B | 0.0099 | 0.0032 |
| 74472-46-1 | PCB-165 | ND | | 0.0099 | 0.0036 |
| 41411-63-6 | PCB-166 | 1.6 | C128 B | 0.020 | 0.0036 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 0.31 | B | 0.0099 | 0.0026 |
| 59291-65-5 | PCB-168 | 11 | C153 B | 0.020 | 0.0033 |
| 32774-16-6 | PCB-169 | ND | | 0.0099 | 0.0027 |
| 35065-30-6 | PCB-170 | 3.5 | B | 0.0099 | 0.00095 |
| 52663-71-5 | PCB-171 | 1.1 | C B | 0.020 | 0.00096 |
| 52663-74-8 | PCB-172 | 0.65 | B | 0.0099 | 0.00093 |
| 68194-16-1 | PCB-173 | 1.1 | C171 B | 0.020 | 0.00096 |
| 38411-25-5 | PCB-174 | 4.1 | B | 0.0099 | 0.00097 |
| 40186-70-7 | PCB-175 | 0.17 | | 0.0099 | 0.00087 |
| 52663-65-7 | PCB-176 | 0.53 | B | 0.0099 | 0.00061 |
| 52663-70-4 | PCB-177 | 2.4 | B | 0.0099 | 0.00098 |
| 52663-67-9 | PCB-178 | 0.90 | B | 0.0099 | 0.00090 |
| 52663-64-6 | PCB-179 | 2.1 | B | 0.0099 | 0.00065 |
| 35065-29-3 | PCB-180 | 7.7 | C B | 0.020 | 0.00075 |
| 74472-47-2 | PCB-181 | ND | | 0.0099 | 0.00083 |
| 60145-23-5 | PCB-182 | 0.051 | | 0.0099 | 0.00081 |
| 52663-69-1 | PCB-183 | 2.5 | C B | 0.020 | 0.00081 |
| 74472-48-3 | PCB-184 | ND | | 0.0099 | 0.00065 |
| 52712-05-7 | PCB-185 | 2.5 | C183 B | 0.020 | 0.00081 |
| 74472-49-4 | PCB-186 | ND | | 0.0099 | 0.00064 |
| 52663-68-0 | PCB-187 | 5.2 | B | 0.0099 | 0.00083 |
| 74487-85-7 | PCB-188 | ND | | 0.0099 | 0.00060 |
| 39635-31-9 | PCB-189 | 0.12 | B | 0.0099 | 0.0017 |
| 41411-64-7 | PCB-190 | 0.63 | B | 0.0099 | 0.00067 |
| 74472-50-7 | PCB-191 | 0.14 | | 0.0099 | 0.00067 |
| 74472-51-8 | PCB-192 | ND | | 0.0099 | 0.00072 |
| 69782-91-8 | PCB-193 | 7.7 | C180 B | 0.020 | 0.00075 |
| 35694-08-7 | PCB-194 | 2.2 | G B | 0.010 | 0.010 |
| 52663-78-2 | PCB-195 | 0.98 | G B | 0.012 | 0.012 |
| 42740-50-1 | PCB-196 | 1.0 | B | 0.0099 | 0.0016 |
| 33091-17-7 | PCB-197 | 0.069 | B | 0.0099 | 0.0012 |
| 68194-17-2 | PCB-198 | 2.3 | C B | 0.020 | 0.0018 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 2.3 | C198 B | 0.020 | 0.0018 |
| 52663-73-7 | PCB-200 | 0.26 | | 0.0099 | 0.0013 |
| 40186-71-8 | PCB-201 | 0.23 | B | 0.0099 | 0.0012 |
| 2136-99-4 | PCB-202 | 0.46 | B | 0.0099 | 0.0014 |
| 52663-76-0 | PCB-203 | 1.3 | | 0.0099 | 0.0016 |
| 74472-52-9 | PCB-204 | ND | | 0.0099 | 0.0013 |
| 74472-53-0 | PCB-205 | 0.099 | | 0.0099 | 0.0076 |
| 40186-72-9 | PCB-206 | 1.0 | | 0.0099 | 0.0064 |
| 52663-79-3 | PCB-207 | 0.12 | | 0.0099 | 0.0044 |
| 52663-77-1 | PCB-208 | 0.23 | | 0.0099 | 0.0044 |
| 2051-24-3 | PCB-209 | 0.88 | | 0.0099 | 0.00089 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.22 | | 0.0099 | 0.00098 |
| 25512-42-9 | Total Dichlorobiphenyls | 1.3 | B | 0.020 | 0.00068 |
| 25323-68-6 | Total Trichlorobiphenyls | 12 | B | 0.020 | 0.0089 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 42 | q B | 0.039 | 0.0033 |
| 25429-29-2 | Total Pentachlorobiphenyls | 56 | q B | 0.059 | 0.0031 |
| 26601-64-9 | Total Hexachlorobiphenyls | 60 | B | 0.039 | 0.0029 |
| 28655-71-2 | Total Heptachlorobiphenyls | 32 | B | 0.020 | 0.00083 |
| 55722-26-4 | Total Octachlorobiphenyls | 8.9 | B | 0.020 | 0.0037 |
| 53742-07-7 | Total Nonachlorobiphenyls | 1.4 | | 0.0099 | 0.0051 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 210 | q B | 0.059 | 0.0033 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719 RE  Lab Sample ID: 580-88908-27 RE

Matrix: Solid  Lab File ID: 580-88908-a-27-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 19.46(g)  Date Analyzed: 10/09/2019 21:54

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 61 | | 30-140 |
| 208263-77-8 | PCB-3L | 66 | | 30-140 |
| 234432-86-1 | PCB-4L | 68 | | 30-140 |
| 208263-67-6 | PCB-15L | 77 | | 30-140 |
| 234432-87-2 | PCB-19L | 72 | | 30-140 |
| 208263-79-0 | PCB-37L | 83 | | 30-140 |
| 234432-88-3 | PCB-54L | 72 | | 30-140 |
| 105600-23-5 | PCB-77L | 78 | | 30-140 |
| 208461-24-9 | PCB-81L | 77 | | 30-140 |
| 234432-89-4 | PCB-104L | 92 | | 30-140 |
| 208263-62-1 | PCB-105L | 85 | | 30-140 |
| 208263-63-2 | PCB-114L | 84 | | 30-140 |
| 104130-40-7 | PCB-118L | 88 | | 30-140 |
| 208263-64-3 | PCB-123L | 86 | | 30-140 |
| 208263-65-4 | PCB-126L | 89 | | 30-140 |
| 234432-90-7 | PCB-155L | 94 | | 30-140 |
| 208263-68-7 | PCB-156L | 78 | C | 30-140 |
| 235416-30-5 | PCB-157L | 78 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 77 | | 30-140 |
| 208263-70-1 | PCB-169L | 90 | | 30-140 |
| 160901-80-4 | PCB-170L | 82 | | 30-140 |
| 234432-91-8 | PCB-188L | 85 | | 30-140 |
| 208263-73-4 | PCB-189L | 96 | | 30-140 |
| 105600-26-8 | PCB-202L | 81 | | 30-140 |
| 234446-64-1 | PCB-205L | 74 | | 30-140 |
| 208263-75-6 | PCB-206L | 63 | | 30-140 |
| 234432-92-9 | PCB-208L | 71 | | 30-140 |
| 105600-27-9 | PCB-209L | 62 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 77 | | 40-125 |
| 235416-29-2 | PCB-111L | 87 | | 40-125 |
| 232919-67-4 | PCB-178L | 86 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d
Lims ID: 580-88908-A-27-F
Client ID: J5-SC1b-30to40-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 21:54:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 23:25:38 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 23:25:38

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 22.4 | 22.4 | 0.0992 | 0.0992 | | |
| D PCB-1L | 11:44 | 3223126 | 3.17 | 1.3140 | 61.1 | 61.1 | 0.6614 | 0.6614 | 61.09 | |
| D PCB-3L | 13:55 | 3603501 | 3.16 | 1.3615 | 65.9 | 65.9 | 0.6384 | 0.6384 | 65.92 | |
| PCB-1 | 11:45 | 463332 | 3.16 | 1.1883 | 12.1 | 12.1 | 0.0978 | 0.0978 | | |
| PCB-2 | 13:45 | 103931 | 3.49 | 1.1911 | 2.556 | 2.556 | 0.0997 | 0.0997 | | |
| PCB-3 | 13:56 | 336591 | 3.07 | 1.2130 | 7.701 | 7.701 | 0.1000 | 0.1000 | | |
| S Total Dichlorobiphenyls | | | | | 136.8 | 136.8 | 0.0689 | 0.0689 | | |
| D PCB-4L | 14:10 | 1641804 | 1.61 | 0.5996 | 68.2 | 68.2 | 0.2396 | 0.2396 | 68.20 | |
| * PCB-9L | 16:09 | 4015202 | 1.61 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:05 | 3171531 | 1.65 | 1.0280 | 76.8 | 76.8 | 0.1398 | 0.1398 | 76.83 | |
| PCB-4 | 14:11 | 380633 | 1.63 | 1.2533 | 18.5 | 18.5 | 0.1013 | 0.1013 | | |
| PCB-10 | 14:21 | 40066 | 1.48 | 1.4828 | 1.123 | 1.123 | 0.0707 | 0.0707 | | |
| PCB-9 | 16:10 | 137802 | 1.56 | 1.4200 | 4.032 | 4.032 | 0.0738 | 0.0738 | | |
| PCB-7 | 16:20 | 121105 | 1.56 | 1.6244 | 3.098 | 3.098 | 0.0645 | 0.0645 | | |
| PCB-6 | 16:35 | 569349 | 1.61 | 1.5539 | 15.2 | 15.2 | 0.0674 | 0.0674 | | |
| PCB-5 | 16:53 | 47198 | 1.67 | 1.5606 | 1.257 | 1.257 | 0.0671 | 0.0671 | | |
| PCB-8 | 17:00 | 1989220 | 1.59 | 1.5884 | 52.0 | 52.0 | 0.0660 | 0.0660 | | |
| PCB-14 | 18:38 | | | | | | 0.0559 | 0.0559 | | |
| PCB-11 | 19:29 | 232358 | 1.62 | 1.6347 | 5.906 | 5.906 | 0.0641 | 0.0641 | | |
| PCB-12 | 19:47 | 249567 | 1.64 | 1.6410 | 6.319 | 6.319 | 0.0639 | 0.0639 | | |
| PCB-13 (C12) | 19:47 | 249567 | 1.64 | 1.6410 | 6.319 | 6.319 | 0.0639 | 0.0639 | | |
| PCB-15 | 20:06 | 1303590 | 1.63 | 1.4024 | 29.3 | 29.3 | 0.0636 | 0.0636 | | |
| S Total Trichlorobiphenyl | | | | | 1173.2 | 1173.2 | 0.9026 | 0.9026 | | |
| D PCB-19L | 17:18 | 1111115 | 1.08 | 0.6095 | 71.9 | 71.9 | 0.6242 | 0.6242 | 71.86 | |
| * PCB-32L | 20:34 | 2536965 | 1.07 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:50 | 7077719 | 1.07 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:08 | 6001102 | 1.07 | 1.0975 | 77.3 | 77.3 | 0.1619 | 0.1619 | 77.25 | |
| D PCB-37L | 27:09 | 5303208 | 1.09 | 0.9024 | 83.0 | 83.0 | 0.1969 | 0.1969 | 83.03 | |
| PCB-19 | 17:18 | 168318 | 1.02 | 1.3047 | 11.6 | 11.6 | 0.0641 | 0.0641 | | |
| PCB-18 | 19:11 | 2884283 | 1.07 | 1.8188 | 142.7 | 142.7 | 0.0460 | 0.0460 | | |
| PCB-30 (C18) | 19:11 | 2884283 | 1.07 | 1.8188 | 142.7 | 142.7 | 0.0460 | 0.0460 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 1484125 | 1.06 | 1.5641 | 85.4 | 85.4 | 0.0535 | 0.0535 | | |
| PCB-27 | 19:49 | 245301 | 1.07 | 2.1680 | 10.2 | 10.2 | 0.0386 | 0.0386 | | |
| PCB-24 | 19:57 | 41675 | 1.04 | 2.1018 | 1.785 | 1.785 | 0.0398 | 0.0398 | | |
| PCB-16 | 20:04 | 826834 | 1.09 | 1.2260 | 60.7 | 60.7 | 0.0682 | 0.0682 | | |
| PCB-32 | 20:35 | 1241313 | 1.06 | 2.3416 | 47.7 | 47.7 | 0.0357 | 0.0357 | | |
| PCB-34 | 21:52 | 278845 | 1.06 | 1.2154 | 4.326 | 4.326 | 1.465 | 1.465 | | |
| PCB-23 | 21:59 | | | | | | 1.405 | 1.405 | | |
| PCB-26 | 22:19 | 2703659 | 1.06 | 1.3193 | 38.6 | 38.6 | 1.349 | 1.349 | | |
| PCB-29 (C26) | 22:19 | 2703659 | 1.06 | 1.3193 | 38.6 | 38.6 | 1.349 | 1.349 | | |
| PCB-25 | 22:33 | 1704281 | 1.08 | 1.3523 | 23.8 | 23.8 | 1.317 | 1.317 | | |
| PCB-31 | 22:52 | 15205359 | 1.06 | 1.3809 | 207.6 | 207.6 | 1.289 | 1.289 | | |
| PCB-20 | 23:09 | 19298925 | 1.07 | 1.3057 | 278.7 | 278.7 | 1.363 | 1.363 | | |
| PCB-28 (C20) | 23:09 | 19298925 | 1.07 | 1.3057 | 278.7 | 278.7 | 1.363 | 1.363 | | |
| PCB-21 | 23:24 | 8406888 | 1.06 | 1.3777 | 115.1 | 115.1 | 1.292 | 1.292 | | |
| PCB-33 (C21) | 23:24 | 8406888 | 1.06 | 1.3777 | 115.1 | 115.1 | 1.292 | 1.292 | | |
| PCB-22 | 23:48 | 4762689 | 1.07 | 1.2430 | 72.3 | 72.3 | 1.432 | 1.432 | | |
| PCB-36 | 25:21 | 32735 | 1.15 | 1.3468 | 0.4583 | 0.4583 | 1.322 | 1.322 | | nMa |
| PCB-39 | 25:44 | 303054 | 1.07 | 1.3970 | 4.091 | 4.091 | 1.274 | 1.274 | | |
| PCB-38 | 26:15 | | | | | | 1.351 | 1.351 | | |
| PCB-35 | 26:46 | 286506 | 1.04 | 1.2166 | 4.440 | 4.440 | 1.463 | 1.463 | | |
| PCB-37 | 27:11 | 4349040 | 1.07 | 1.2879 | 63.7 | 63.7 | 1.382 | 1.382 | | |
| S Total Tetrachlorobiphen | | | | | 4206.4 | 4206.3 | 0.3392 | 0.3392 | | RQ |
| D PCB-54L | 20:23 | 1182071 | 0.80 | 0.6515 | 71.5 | 71.5 | 0.1026 | 0.1026 | 71.52 | |
| * PCB-52L | 24:59 | 3653650 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:57 | 3454623 | 0.78 | 1.2328 | 76.7 | 76.7 | 0.1583 | 0.1583 | 76.70 | |
| D PCB-77L | 34:30 | 3569863 | 0.81 | 1.2523 | 78.0 | 78.0 | 0.1558 | 0.1558 | 78.02 | |
| PCB-54 | 20:24 | 84263 | 0.80 | 1.2558 | 5.676 | 5.676 | 0.0570 | 0.0570 | | |
| PCB-50 | 22:35 | 2421226 | 0.80 | 0.9362 | 73.6 | 73.6 | 0.4349 | 0.4349 | | |
| PCB-53 (C50) | 22:35 | 2421226 | 0.80 | 0.9362 | 73.6 | 73.6 | 0.4349 | 0.4349 | | |
| PCB-45 | 23:20 | 3521811 | 0.80 | 0.8850 | 113.3 | 113.3 | 0.4601 | 0.4601 | | Ma |
| PCB-51 (C45) | 23:20 | 3521811 | 0.80 | 0.8850 | 113.3 | 113.3 | 0.4601 | 0.4601 | | Ma |
| PCB-46 | 23:34 | 630526 | 0.78 | 0.7591 | 23.6 | 23.6 | 0.5364 | 0.5364 | | |
| PCB-52 | 25:00 | 23056295 | 0.79 | 0.8992 | 730.0 | 730.0 | 0.4528 | 0.4528 | | M |
| PCB-43 | 25:15 | 585124 | 0.76 | 0.9993 | 16.7 | 16.7 | 0.4074 | 0.4074 | | Ma |
| PCB-73 (C43) | 25:15 | 585124 | 0.76 | 0.9993 | 16.7 | 16.7 | 0.4074 | 0.4074 | | Ma |
| PCB-49 | 25:30 | 16739185 | 0.79 | 1.1366 | 419.3 | 419.3 | 0.3582 | 0.3582 | | |
| PCB-69 (C49) | 25:30 | 16739185 | 0.79 | 1.1366 | 419.3 | 419.3 | 0.3582 | 0.3582 | | |
| PCB-48 | 25:47 | 2476207 | 0.78 | 0.9454 | 74.6 | 74.6 | 0.4307 | 0.4307 | | |
| PCB-44 | 26:00 | 21265468 | 0.80 | 1.0323 | 586.5 | 586.5 | 0.3944 | 0.3944 | | |
| PCB-47 (C44) | 26:00 | 21265468 | 0.80 | 1.0323 | 586.5 | 586.5 | 0.3944 | 0.3944 | | |
| PCB-65 (C44) | 26:00 | 21265468 | 0.80 | 1.0323 | 586.5 | 586.5 | 0.3944 | 0.3944 | | |
| PCB-59 | 26:19 | 1834896 | 0.78 | 1.3609 | 38.4 | 38.4 | 0.2992 | 0.2992 | | |
| PCB-62 (C59) | 26:19 | 1834896 | 0.78 | 1.3609 | 38.4 | 38.4 | 0.2992 | 0.2992 | | |
| PCB-75 (C59) | 26:19 | 1834896 | 0.78 | 1.3609 | 38.4 | 38.4 | 0.2992 | 0.2992 | | |
| PCB-42 | 26:32 | 4203973 | 0.78 | 0.8670 | 138.1 | 138.1 | 0.4696 | 0.4696 | | |
| PCB-40 | 27:01 | 7647593 | 0.79 | 0.9179 | 237.2 | 237.2 | 0.4436 | 0.4436 | | Ma |
| PCB-41 (C40) | 27:01 | 7647593 | 0.79 | 0.9179 | 237.2 | 237.2 | 0.4436 | 0.4436 | | Ma |
| PCB-71 (C40) | 27:01 | 7647593 | 0.79 | 0.9179 | 237.2 | 237.2 | 0.4436 | 0.4436 | | Ma |
| PCB-64 | 27:14 | 7903112 | 0.79 | 1.4164 | 158.9 | 158.9 | 0.2875 | 0.2875 | | |
| PCB-72 | 28:06 | 1042642 | 0.78 | 1.3157 | 22.6 | 22.6 | 0.3095 | 0.3095 | | |
| PCB-68 | 28:23 | 616699 | 0.78 | 1.4782 | 11.9 | 11.9 | 0.2754 | 0.2754 | | |
| PCB-57 | 28:48 | 48490 | 0.77 | 1.2817 | 1.182 | 1.077 | 0.3177 | 0.3177 | | RQMa |
| PCB-58 | 29:02 | 278304 | 0.85 | 1.3214 | 5.997 | 5.997 | 0.3081 | 0.3081 | | |
| PCB-67 | 29:13 | 555550 | 0.83 | 1.3944 | 11.3 | 11.3 | 0.2920 | 0.2920 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:28 | 994857 | 0.80 | 1.4685 | 19.3 | 19.3 | 0.2773 | 0.2773 | | |
| PCB-61 | 29:48 | 37153822 | 0.80 | 1.3565 | 779.8 | 779.8 | 0.3002 | 0.3002 | | |
| PCB-70 (C61) | 29:48 | 37153822 | 0.80 | 1.3565 | 779.8 | 779.8 | 0.3002 | 0.3002 | | |
| PCB-74 (C61) | 29:48 | 37153822 | 0.80 | 1.3565 | 779.8 | 779.8 | 0.3002 | 0.3002 | | |
| PCB-76 (C61) | 29:48 | 37153822 | 0.80 | 1.3565 | 779.8 | 779.8 | 0.3002 | 0.3002 | | |
| PCB-66 | 30:08 | 21188846 | 0.80 | 1.2800 | 471.3 | 471.3 | 0.3181 | 0.3181 | | Ma |
| PCB-55 | 30:18 | 151639 | 0.72 | 1.2951 | 3.334 | 3.334 | 0.3144 | 0.3144 | | Ma |
| PCB-56 | 30:48 | 8292493 | 0.80 | 1.2671 | 186.3 | 186.3 | 0.3213 | 0.3213 | | |
| PCB-60 | 31:01 | 1566445 | 0.82 | 1.3288 | 33.6 | 33.6 | 0.3064 | 0.3064 | | |
| PCB-80 | 31:22 | | | | | | 0.2771 | 0.2771 | | |
| PCB-79 | 32:58 | 583442 | 0.80 | 1.5421 | 10.8 | 10.8 | 0.2640 | 0.2640 | | |
| PCB-78 | 33:27 | | | | | | 0.3096 | 0.3096 | | |
| PCB-81 | 33:56 | 37981 | 0.83 | 1.3214 | 0.8320 | 0.8320 | 0.3112 | 0.3112 | | Ma |
| PCB-77 | 34:32 | 1536260 | 0.79 | 1.3308 | 32.3 | 32.3 | 0.3029 | 0.3029 | | |
| S Total Pentachlorobiphen | | | | | 5646.7 | 5645.7 | 0.3186 | 0.3186 | | RQ |
| D PCB-104L | 25:56 | 2513543 | 1.59 | 1.1164 | 91.5 | 91.5 | 0.1028 | 0.1028 | 91.50 | |
| * PCB-101L | 31:52 | 2460540 | 1.66 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:34 | 2593148 | 1.58 | 1.2177 | 86.5 | 86.5 | 0.0942 | 0.0942 | 86.55 | |
| D PCB-123L | 36:32 | 3584541 | 1.59 | 0.9909 | 85.9 | 85.9 | 0.9604 | 0.9604 | 85.87 | |
| D PCB-118L | 36:52 | 3796439 | 1.60 | 1.0256 | 87.9 | 87.9 | 0.9279 | 0.9279 | 87.87 | |
| D PCB-114L | 37:23 | 3564609 | 1.55 | 1.0030 | 84.4 | 84.4 | 0.9488 | 0.9488 | 84.36 | |
| D PCB-105L | 38:02 | 3565754 | 1.60 | 1.0013 | 84.5 | 84.5 | 0.9505 | 0.9505 | 84.53 | |
| * PCB-127L | 39:32 | 4212774 | 1.62 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:08 | 3369915 | 1.58 | 0.9020 | 88.7 | 88.7 | 1.055 | 1.055 | 88.68 | |
| PCB-104 | 25:55 | | | | | | 0.0527 | 0.0527 | | |
| PCB-96 | 26:19 | 300158 | 1.63 | 1.2268 | 9.734 | 9.734 | 0.0598 | 0.0598 | | |
| PCB-103 | 28:16 | 976115 | 1.63 | 1.0331 | 37.6 | 37.6 | 0.0710 | 0.0710 | | |
| PCB-94 | 28:29 | 213290 | 1.64 | 0.9036 | 9.391 | 9.391 | 0.0812 | 0.0812 | | |
| PCB-95 | 28:56 | 18949803 | 1.55 | 0.9620 | 783.7 | 783.7 | 0.0763 | 0.0763 | | |
| PCB-93 | 29:09 | 692700 | 1.64 | 0.9806 | 28.1 | 28.1 | 0.0748 | 0.0748 | | |
| PCB-100 (C93) | 29:09 | 692700 | 1.64 | 0.9806 | 28.1 | 28.1 | 0.0748 | 0.0748 | | |
| PCB-98 | 29:17 | 1110412 | 1.55 | 0.9888 | 44.7 | 44.7 | 0.0742 | 0.0742 | | |
| PCB-102 (C98) | 29:17 | 1110412 | 1.55 | 0.9888 | 44.7 | 44.7 | 0.0742 | 0.0742 | | |
| PCB-88 | 29:48 | 4460152 | 1.57 | 1.0052 | 176.5 | 176.5 | 0.0730 | 0.0730 | | |
| PCB-91 (C88) | 29:48 | 4460152 | 1.57 | 1.0052 | 176.5 | 176.5 | 0.0730 | 0.0730 | | |
| PCB-84 | 30:01 | 5006344 | 1.60 | 0.8601 | 231.6 | 231.6 | 0.0853 | 0.0853 | | |
| PCB-89 | 30:29 | 195059 | 1.72 | 0.8936 | 8.685 | 8.685 | 0.0821 | 0.0821 | | |
| PCB-121 | 30:52 | | | | | | 0.0525 | 0.0525 | | |
| PCB-92 | 31:18 | 6066289 | 1.58 | 0.9532 | 253.2 | 253.2 | 0.0770 | 0.0770 | | |
| PCB-90 | 31:53 | 28316024 | 1.57 | 1.1367 | 991.1 | 991.1 | 0.0646 | 0.0646 | | |
| PCB-101 (C90) | 31:53 | 28316024 | 1.57 | 1.1367 | 991.1 | 991.1 | 0.0646 | 0.0646 | | |
| PCB-113 (C90) | 31:53 | 28316024 | 1.57 | 1.1367 | 991.1 | 991.1 | 0.0646 | 0.0646 | | |
| PCB-83 | 32:28 | 15188414 | 1.57 | 0.9393 | 643.3 | 643.3 | 0.0781 | 0.0781 | | Ma |
| PCB-99 (C83) | 32:28 | 15188414 | 1.57 | 0.9393 | 643.3 | 643.3 | 0.0781 | 0.0781 | | Ma |
| PCB-112 | 32:31 | | | | | | 0.0537 | 0.0537 | | |
| PCB-86 | 32:58 | 13978932 | 1.58 | 1.1958 | 465.1 | 465.1 | 0.0614 | 0.0614 | | Ma |
| PCB-87 (C86) | 32:58 | 13978932 | 1.58 | 1.1958 | 465.1 | 465.1 | 0.0614 | 0.0614 | | Ma |
| PCB-97 (C86) | 32:58 | 13978932 | 1.58 | 1.1958 | 465.1 | 465.1 | 0.0614 | 0.0614 | | Ma |
| PCB-109 (C86) | 32:58 | 13978932 | 1.58 | 1.1958 | 465.1 | 465.1 | 0.0614 | 0.0614 | | Ma |
| PCB-119 (C86) | 32:58 | 13978932 | 1.58 | 1.1958 | 465.1 | 465.1 | 0.0614 | 0.0614 | | Ma |
| PCB-125 (C86) | 32:58 | 13978932 | 1.58 | 1.1958 | 465.1 | 465.1 | 0.0614 | 0.0614 | | Ma |
| PCB-85 | 33:42 | 3453577 | 1.58 | 1.2126 | 113.3 | 113.3 | 0.0605 | 0.0605 | | |
| PCB-116 (C85) | 33:42 | 3453577 | 1.58 | 1.2126 | 113.3 | 113.3 | 0.0605 | 0.0605 | | |
| PCB-117 (C85) | 33:42 | 3453577 | 1.58 | 1.2126 | 113.3 | 113.3 | 0.0605 | 0.0605 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:52 | 28803812 | 1.56 | 1.3511 | 848.2 | 848.2 | 0.0543 | 0.0543 | | |
| PCB-115 (C110) | 33:52 | 28803812 | 1.56 | 1.3511 | 848.2 | 848.2 | 0.0543 | 0.0543 | | |
| PCB-82 | 34:11 | 1676308 | 1.59 | 0.8675 | 76.9 | 76.9 | 0.0846 | 0.0846 | | |
| PCB-111 | 34:35 | 126967 | 1.41 | 1.4262 | 3.542 | 3.542 | 0.0515 | 0.0515 | | |
| PCB-120 | 35:03 | 395365 | 1.60 | 1.4907 | 10.6 | 10.6 | 0.0492 | 0.0492 | | |
| PCB-108 | 36:12 | 948069 | 1.55 | 1.2547 | 21.1 | 21.1 | 0.8735 | 0.8735 | | |
| PCB-124 (C108) | 36:12 | 948069 | 1.55 | 1.2547 | 21.1 | 21.1 | 0.8735 | 0.8735 | | |
| PCB-107 | 36:27 | 3756179 | 1.62 | 1.3580 | 77.3 | 77.3 | 0.8070 | 0.8070 | | Ma |
| PCB-123 | 36:31 | 352574 | 1.55 | 1.3407 | 8.115 | 7.337 | 0.8110 | 0.8110 | | RQMa |
| PCB-106 | 36:35 | | | | | | 0.8596 | 0.8596 | | |
| PCB-118 | 36:53 | 29966884 | 1.57 | 1.2892 | 612.3 | 612.3 | 0.7963 | 0.7963 | | |
| PCB-122 | 37:14 | 351214 | 1.61 | 1.1614 | 8.456 | 8.456 | 0.9437 | 0.9437 | | |
| PCB-114 | 37:25 | 511072 | 1.52 | 1.4051 | 10.2 | 10.2 | 0.7812 | 0.7812 | | |
| PCB-105 | 38:03 | 7923771 | 1.58 | 1.2887 | 172.4 | 172.4 | 0.8569 | 0.8569 | | |
| PCB-127 | 39:27 | | | | | | 0.8535 | 0.8535 | | |
| PCB-126 | 41:10 | 67689 | 1.55 | 1.3416 | 1.688 | 1.497 | 0.8750 | 0.8750 | | RQMa |
| S Total Hexachlorobipheny | | | | | 6000.8 | 6000.8 | 0.2971 | 0.2971 | | |
| D PCB-155L | 31:39 | 2206800 | 1.25 | 0.9499 | 94.4 | 94.4 | 0.2493 | 0.2493 | 94.42 | |
| * PCB-138L | 39:59 | 2700594 | 1.28 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 43:01 | 2600172 | 1.28 | 1.2544 | 76.8 | 76.8 | 0.3715 | 0.3715 | 76.75 | |
| D PCB-156L | 44:10 | 5150484 | 1.28 | 1.2289 | 155.2 | 155.2 | 0.3792 | 0.3792 | 77.60 | |
| D PCB-157L (C156L) | 44:10 | 5150484 | 1.28 | 1.2289 | 155.2 | 155.2 | 0.3792 | 0.3792 | 77.60 | |
| D PCB-169L | 47:25 | 2649639 | 1.29 | 1.0883 | 90.1 | 90.1 | 0.4282 | 0.4282 | 90.15 | |
| PCB-155 | 31:36 | | | | | | 0.0624 | 0.0624 | | |
| PCB-152 | 31:51 | 35379 | 1.26 | 1.2556 | 1.277 | 1.277 | 0.0647 | 0.0647 | | |
| PCB-150 | 32:01 | 197357 | 1.29 | 1.2368 | 7.231 | 7.231 | 0.0657 | 0.0657 | | |
| PCB-136 | 32:22 | 5083909 | 1.25 | 1.1563 | 199.2 | 199.2 | 0.0703 | 0.0703 | | |
| PCB-145 | 32:41 | 17197 | 1.22 | 1.1910 | 0.6543 | 0.6543 | 0.0682 | 0.0682 | | Ma |
| PCB-148 | 34:13 | 151915 | 1.32 | 0.8982 | 7.664 | 7.664 | 0.0905 | 0.0905 | | |
| PCB-135 | 34:48 | 9552739 | 1.26 | 0.8691 | 498.1 | 498.1 | 0.0935 | 0.0935 | | |
| PCB-151 (C135) | 34:48 | 9552739 | 1.26 | 0.8691 | 498.1 | 498.1 | 0.0935 | 0.0935 | | |
| PCB-154 | 35:04 | 1036305 | 1.29 | 1.0180 | 46.1 | 46.1 | 0.0798 | 0.0798 | | |
| PCB-144 | 35:22 | 922014 | 1.25 | 0.9185 | 45.5 | 45.5 | 0.0885 | 0.0885 | | |
| PCB-147 | 35:44 | 32482543 | 1.25 | 0.9747 | 1281.8 | 1281.8 | 0.4212 | 0.4212 | | |
| PCB-149 (C147) | 35:44 | 32482543 | 1.25 | 0.9747 | 1281.8 | 1281.8 | 0.4212 | 0.4212 | | |
| PCB-134 | 35:55 | 1712108 | 1.24 | 0.8518 | 77.3 | 77.3 | 0.4819 | 0.4819 | | a |
| PCB-143 (C134) | 35:55 | 1712108 | 1.24 | 0.8518 | 77.3 | 77.3 | 0.4819 | 0.4819 | | a |
| PCB-139 | 36:20 | 688111 | 1.26 | 0.9995 | 26.5 | 26.5 | 0.4107 | 0.4107 | | |
| PCB-140 (C139) | 36:20 | 688111 | 1.26 | 0.9995 | 26.5 | 26.5 | 0.4107 | 0.4107 | | |
| PCB-131 | 36:31 | 296299 | 1.26 | 0.8584 | 13.3 | 13.3 | 0.4782 | 0.4782 | | |
| PCB-142 | 36:36 | | | | | | 0.4775 | 0.4775 | | |
| PCB-132 | 36:59 | 9885562 | 1.27 | 0.8801 | 432.0 | 432.0 | 0.4665 | 0.4665 | | |
| PCB-133 | 37:31 | 876690 | 1.26 | 0.9064 | 37.2 | 37.2 | 0.4529 | 0.4529 | | |
| PCB-165 | 37:49 | | | | | | 0.3662 | 0.3662 | | |
| PCB-146 | 38:10 | 7789429 | 1.27 | 1.0084 | 297.1 | 297.1 | 0.4071 | 0.4071 | | |
| PCB-161 | 38:12 | | | | | | 0.3070 | 0.3070 | | |
| PCB-153 | 38:46 | 36820335 | 1.26 | 1.2207 | 1160.1 | 1160.1 | 0.3363 | 0.3363 | | |
| PCB-168 (C153) | 38:46 | 36820335 | 1.26 | 1.2207 | 1160.1 | 1160.1 | 0.3363 | 0.3363 | | |
| PCB-141 | 38:58 | 4951649 | 1.27 | 0.9608 | 198.2 | 198.2 | 0.4273 | 0.4273 | | |
| PCB-130 | 39:22 | 1994111 | 1.27 | 0.8274 | 92.7 | 92.7 | 0.4961 | 0.4961 | | |
| PCB-137 | 39:36 | 796092 | 1.29 | 1.0582 | 28.9 | 28.9 | 0.3879 | 0.3879 | | |
| PCB-164 | 39:43 | 2837432 | 1.29 | 1.2527 | 87.1 | 87.1 | 0.3277 | 0.3277 | | |
| PCB-129 | 40:02 | 30562035 | 1.25 | 1.0840 | 1084.4 | 1084.4 | 0.3787 | 0.3787 | | |
| PCB-138 (C129) | 40:02 | 30562035 | 1.25 | 1.0840 | 1084.4 | 1084.4 | 0.3787 | 0.3787 | | |
| PCB-160 (C129) | 40:02 | 30562035 | 1.25 | 1.0840 | 1084.4 | 1084.4 | 0.3787 | 0.3787 | | |
| PCB-163 (C129) | 40:02 | 30562035 | 1.25 | 1.0840 | 1084.4 | 1084.4 | 0.3787 | 0.3787 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:24 | 2891022 | 1.28 | 1.3862 | 80.2 | 80.2 | 0.2962 | 0.2962 | | |
| PCB-128 | 41:16 | 4666352 | 1.25 | 1.1165 | 160.7 | 160.7 | 0.3677 | 0.3677 | | Ma |
| PCB-166 (C128) | 41:16 | 4666352 | 1.25 | 1.1165 | 160.7 | 160.7 | 0.3677 | 0.3677 | | Ma |
| PCB-159 | 42:13 | 516057 | 1.30 | 1.3178 | 15.1 | 15.1 | 0.3115 | 0.3115 | | |
| PCB-162 | 42:27 | | | | | | 0.3014 | 0.3014 | | |
| PCB-167 | 43:03 | 1084540 | 1.24 | 1.3357 | 31.2 | 31.2 | 0.2662 | 0.2662 | | |
| PCB-156 | 44:10 | 2998405 | 1.28 | 1.2759 | 91.3 | 91.3 | 0.3863 | 0.3863 | | |
| PCB-157 (C156) | 44:10 | 2998405 | 1.28 | 1.2759 | 91.3 | 91.3 | 0.3863 | 0.3863 | | |
| PCB-169 | 47:19 | | | | | | 0.2714 | 0.2714 | | |
| S Total Heptachlorobiphen | | | | | 3224.7 | 3224.7 | 0.0844 | 0.0844 | | |
| D PCB-188L | 37:23 | 2421427 | 1.06 | 1.3162 | 84.6 | 84.6 | 0.1646 | 0.1646 | 84.61 | |
| $ PCB-178L | 40:28 | 1715135 | 1.03 | 0.9222 | 85.5 | 85.5 | 0.2349 | 0.2349 | 85.54 | |
| * PCB-180L | 45:33 | 2174282 | 1.06 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:49 | 1488304 | 1.04 | 0.8357 | 81.9 | 81.9 | 0.2592 | 0.2592 | 81.91 | |
| D PCB-189L | 49:57 | 3649016 | 1.07 | 1.4666 | 96.2 | 96.2 | 0.8583 | 0.8583 | 96.24 | |
| PCB-188 | 37:20 | | | | | | 0.0606 | 0.0606 | | |
| PCB-179 | 37:44 | 5762518 | 1.05 | 1.4149 | 208.3 | 208.3 | 0.0662 | 0.0662 | | |
| PCB-184 | 38:12 | | | | | | 0.0660 | 0.0660 | | |
| PCB-176 | 38:38 | 1588099 | 1.03 | 1.5212 | 53.4 | 53.4 | 0.0616 | 0.0616 | | |
| PCB-186 | 39:00 | | | | | | 0.0653 | 0.0653 | | |
| PCB-178 | 40:29 | 1816067 | 1.06 | 1.0228 | 90.8 | 90.8 | 0.0916 | 0.0916 | | |
| PCB-175 | 41:07 | 355805 | 1.06 | 1.0690 | 17.0 | 17.0 | 0.0876 | 0.0876 | | |
| PCB-187 | 41:23 | 11431813 | 1.05 | 1.1106 | 526.6 | 526.6 | 0.0844 | 0.0844 | | |
| PCB-182 | 41:36 | 115586 | 1.19 | 1.1484 | 5.149 | 5.149 | 0.0816 | 0.0816 | | |
| PCB-183 | 42:00 | 5691164 | 1.06 | 1.1368 | 256.1 | 256.1 | 0.0824 | 0.0824 | | |
| PCB-185 (C183) | 42:00 | 5691164 | 1.06 | 1.1368 | 256.1 | 256.1 | 0.0824 | 0.0824 | | |
| PCB-174 | 42:13 | 7844872 | 1.05 | 0.9547 | 420.3 | 420.3 | 0.0981 | 0.0981 | | |
| PCB-177 | 42:40 | 4543144 | 1.05 | 0.9426 | 246.6 | 246.6 | 0.0994 | 0.0994 | | |
| PCB-181 | 42:58 | | | | | | 0.0846 | 0.0846 | | |
| PCB-171 | 43:18 | 2040946 | 1.06 | 0.9603 | 108.7 | 108.7 | 0.0976 | 0.0976 | | |
| PCB-173 (C171) | 43:18 | 2040946 | 1.06 | 0.9603 | 108.7 | 108.7 | 0.0976 | 0.0976 | | |
| PCB-172 | 44:57 | 1279086 | 1.02 | 0.9918 | 66.0 | 66.0 | 0.0945 | 0.0945 | | |
| PCB-192 | 45:06 | | | | | | 0.0726 | 0.0726 | | |
| PCB-180 | 45:35 | 18748871 | 1.05 | 1.2286 | 780.6 | 780.6 | 0.0763 | 0.0763 | | |
| PCB-193 (C180) | 45:35 | 18748871 | 1.05 | 1.2286 | 780.6 | 780.6 | 0.0763 | 0.0763 | | |
| PCB-191 | 45:56 | 378999 | 1.08 | 1.3848 | 14.0 | 14.0 | 0.0677 | 0.0677 | | |
| PCB-170 | 46:50 | 6703176 | 1.05 | 1.2700 | 354.6 | 354.6 | 0.0966 | 0.0966 | | |
| PCB-190 | 47:22 | 1718614 | 1.06 | 1.3774 | 63.8 | 63.8 | 0.0680 | 0.0680 | | |
| PCB-189 | 49:58 | 589875 | 1.08 | 1.2799 | 12.6 | 12.6 | 0.1699 | 0.1699 | | |
| S Total Octachlorobipheny | | | | | 912.6 | 912.6 | 0.3763 | 0.3763 | | |
| D PCB-202L | 42:46 | 1776162 | 0.92 | 1.0055 | 81.2 | 81.2 | 0.3796 | 0.3796 | 81.24 | |
| * PCB-194L | 52:04 | 2585407 | 0.91 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:32 | 2468420 | 0.91 | 1.2867 | 74.2 | 74.2 | 0.6875 | 0.6875 | 74.20 | |
| PCB-202 | 42:48 | 871193 | 0.89 | 1.0531 | 46.6 | 46.6 | 0.1383 | 0.1383 | | |
| PCB-201 | 43:44 | 498891 | 0.88 | 1.1860 | 23.7 | 23.7 | 0.1228 | 0.1228 | | |
| PCB-204 | 44:18 | | | | | | 0.1323 | 0.1323 | | |
| PCB-197 | 44:39 | 150643 | 0.90 | 1.2053 | 7.037 | 7.037 | 0.1208 | 0.1208 | | |
| PCB-200 | 44:45 | 536863 | 0.93 | 1.1260 | 26.8 | 26.8 | 0.1293 | 0.1293 | | |
| PCB-198 | 47:34 | 3411402 | 0.90 | 0.8183 | 234.7 | 234.7 | 0.1780 | 0.1780 | | |
| PCB-199 (C198) | 47:34 | 3411402 | 0.90 | 0.8183 | 234.7 | 234.7 | 0.1780 | 0.1780 | | |
| PCB-196 | 48:12 | 1620346 | 0.91 | 0.8748 | 104.3 | 104.3 | 0.1665 | 0.1665 | | |
| PCB-203 | 48:25 | 2236941 | 0.92 | 0.9219 | 136.6 | 136.6 | 0.1580 | 0.1580 | | |
| PCB-195 | 49:43 | 1929032 | 0.91 | 0.7839 | 99.7 | 99.7 | 1.207 | 1.207 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 52:05 | 5111417 | 0.91 | 0.9282 | 223.1 | 223.1 | 1.020 | 1.020 | | |
| PCB-205 | 52:33 | 306504 | 0.91 | 1.2342 | 10.1 | 10.1 | 0.7668 | 0.7668 | | |
| S Total Nonachlorobipheny | | | | | 141.2 | 141.2 | 0.5130 | 0.5130 | | |
| D PCB-208L | 49:28 | 2075507 | 0.85 | 1.1383 | 70.5 | 70.5 | 0.5279 | 0.5279 | 70.53 | |
| D PCB-206L | 54:17 | 1458752 | 0.81 | 0.8938 | 63.1 | 63.1 | 0.6723 | 0.6723 | 63.12 | |
| PCB-208 | 49:29 | 569120 | 0.78 | 1.1567 | 23.7 | 23.7 | 0.4489 | 0.4489 | | |
| PCB-207 | 50:26 | 288974 | 0.78 | 1.3964 | 11.7 | 11.7 | 0.4442 | 0.4442 | | |
| PCB-206 | 54:19 | 1840607 | 0.81 | 1.1927 | 105.8 | 105.8 | 0.6459 | 0.6459 | | |
| D PCB-209L | 55:56 | 1562212 | 0.72 | 0.9809 | 61.6 | 61.6 | 0.2651 | 0.2651 | 61.60 | |
| DCB Decachlorobiphenyl | 55:58 | 1741506 | 0.70 | 1.2455 | 89.5 | 89.5 | 0.0901 | 0.0901 | | |
| S Polychlorinated bipheny | | | | | 21532 | 89.5 | 0.3322 | 0.3322 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- n - Failed Sig-To-Noise Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d
Lims ID: 580-88908-A-27-F
Client ID: J5-SC1b-30to40-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 21:54:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 23:25:38 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 23:25:38

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:44 | 11:46 | -2 | 0.726 | 2449501 | 985106 | 1424 | 3560 | 692 | | |
| 202.0766 | 11:44 | 11:46 | -2 | 0.726 | 773625 | 315931 | 2767 | 6917 | 114 | 3.17(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:56 | -1 | 0.862 | 2737878 | 955289 | 1424 | 3560 | 671 | | |
| 202.0766 | 13:55 | 13:56 | -1 | 0.862 | 865623 | 290874 | 2767 | 6917 | 105 | 3.16(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:45 | 11:45 | -2 | 1.001 | 351916 | 142446 | 372 | 930 | 383 | | |
| 190.0363 | 11:45 | 11:45 | -2 | 1.001 | 111416 | 44726 | 233 | 582 | 192 | 3.16(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | 13:45 | -1 | 0.988 | 80781 | 28325 | 372 | 930 | 76 | | |
| 190.0363 | 13:45 | 13:45 | -1 | 0.988 | 23150 | 7793 | 233 | 582 | 33 | 3.49(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | 13:56 | -1 | 1.001 | 253909 | 86679 | 372 | 930 | 233 | | |
| 190.0363 | 13:56 | 13:56 | -1 | 1.001 | 82682 | 29497 | 233 | 582 | 127 | 3.07(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:11 | -1 | 0.877 | 1012205 | 346112 | 518 | 1295 | 668 | | |
| 236.0376 | 14:10 | 14:11 | -1 | 0.877 | 629599 | 214687 | 175 | 437 | 1227 | 1.61(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:10 | 0 | | 2476392 | 740195 | 518 | 1295 | 1429 | | |
| 236.0376 | 16:09 | 16:10 | 0 | | 1538810 | 465252 | 175 | 437 | 2659 | 1.61(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:05 | 20:04 | 1 | 1.244 | 1976287 | 484487 | 518 | 1295 | 935 | | |
| 236.0376 | 20:05 | 20:04 | 1 | 1.244 | 1195244 | 313748 | 175 | 437 | 1793 | 1.65(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:11 | 14:11 | -1 | 1.001 | 235982 | 81089 | 116 | 290 | 699 | | |
| 223.9974 | 14:11 | 14:11 | -1 | 1.001 | 144651 | 49632 | 169 | 422 | 294 | 1.63(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:21 | 14:22 | -2 | 1.013 | 23934 | 7076 | 116 | 290 | 61 | | |
| 223.9974 | 14:21 | 14:22 | -2 | 1.013 | 16132 | 5301 | 169 | 422 | 31 | 1.48(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:10 | 16:09 | 0 | 1.141 | 83945 | 26083 | 116 | 290 | 225 | | |
| 223.9974 | 16:10 | 16:09 | 0 | 1.141 | 53857 | 16841 | 169 | 422 | 100 | 1.56(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:19 | 0 | 1.153 | 73865 | 22199 | 116 | 290 | 191 | | |
| 223.9974 | 16:20 | 16:19 | 0 | 1.153 | 47240 | 13752 | 169 | 422 | 81 | 1.56(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:35 | 16:34 | 0 | 1.170 | 351190 | 102469 | 116 | 290 | 883 | | |
| 223.9974 | 16:35 | 16:34 | 0 | 1.170 | 218159 | 67179 | 169 | 422 | 398 | 1.61(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:53 | 16:52 | 0 | 1.192 | 29488 | 8435 | 116 | 290 | 73 | | |
| 223.9974 | 16:53 | 16:52 | 0 | 1.192 | 17710 | 4773 | 169 | 422 | 28 | 1.67(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:00 | 16:59 | 0 | 1.200 | 1221211 | 361241 | 116 | 290 | 3114 | | |
| 223.9974 | 17:00 | 16:59 | 0 | 1.200 | 768009 | 226996 | 169 | 422 | 1343 | 1.59(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:39 | | | | | | 116 | 290 | | | |
| 223.9974 | 18:39 | | | | | | 169 | 422 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:29 | 19:29 | 1 | 0.970 | 143757 | 38237 | 116 | 290 | 330 | | |
| 223.9974 | 19:29 | 19:29 | 1 | 0.970 | 88601 | 24145 | 169 | 422 | 143 | 1.62(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:49 | -1 | 0.984 | 154856 | 31790 | 116 | 290 | 274 | | |
| 223.9974 | 19:47 | 19:49 | -1 | 0.984 | 94711 | 19824 | 169 | 422 | 117 | 1.64(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:49 | -1 | 0.984 | 154856 | 31790 | 116 | 290 | 274 | | |
| 223.9974 | 19:47 | 19:49 | -1 | 0.984 | 94711 | 19824 | 169 | 422 | 117 | 1.64(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:07 | 0 | 1.001 | 807784 | 196140 | 116 | 290 | 1691 | | |
| 223.9974 | 20:06 | 20:07 | 0 | 1.001 | 495806 | 120029 | 169 | 422 | 710 | 1.63(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:18 | 17:18 | 0 | 0.841 | 577708 | 158912 | 502 | 1255 | 317 | | |
| 269.9986 | 17:17 | 17:18 | -1 | 0.840 | 533407 | 158024 | 493 | 1232 | 321 | 1.08(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:34 | 20:33 | 0 | | 1314312 | 337499 | 502 | 1255 | 672 | | |
| 269.9986 | 20:34 | 20:33 | 0 | | 1222653 | 316239 | 493 | 1232 | 641 | 1.07(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:50 | 22:49 | 2 | | 3664119 | 892256 | 893 | 2232 | 999 | | |
| 269.9986 | 22:50 | 22:49 | 2 | | 3413600 | 836686 | 336 | 840 | 2490 | 1.07(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:08 | 23:08 | 2 | 1.013 | 3105216 | 733445 | 893 | 2232 | 821 | | |
| 269.9986 | 23:08 | 23:08 | 2 | 1.013 | 2895886 | 696695 | 336 | 840 | 2073 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:09 | 27:09 | 3 | 1.189 | 2766681 | 593874 | 893 | 2232 | 665 | | |
| 269.9986 | 27:10 | 27:09 | 3 | 1.190 | 2536527 | 551253 | 336 | 840 | 1641 | 1.09(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | 17:18 | 0 | 1.001 | 85141 | 25558 | 53 | 132 | 482 | | |
| 257.9584 | 17:18 | 17:18 | 0 | 1.001 | 83177 | 24463 | 53 | 132 | 462 | 1.02(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:11 | 2 | 1.110 | 1490536 | 399227 | 53 | 132 | 7533 | | |
| 257.9584 | 19:11 | 19:11 | 2 | 1.110 | 1393747 | 373406 | 53 | 132 | 7045 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:11 | 2 | 1.110 | 1490536 | 399227 | 53 | 132 | 7533 | | |
| 257.9584 | 19:11 | 19:11 | 2 | 1.110 | 1393747 | 373406 | 53 | 132 | 7045 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | 19:36 | 0 | 1.134 | 764638 | 200142 | 53 | 132 | 3776 | | |
| 257.9584 | 19:36 | 19:36 | 0 | 1.134 | 719487 | 188390 | 53 | 132 | 3555 | 1.06(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:49 | 19:48 | 0 | 1.146 | 126829 | 32715 | 53 | 132 | 617 | | |
| 257.9584 | 19:49 | 19:48 | 0 | 1.146 | 118472 | 31790 | 53 | 132 | 600 | 1.07(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:57 | 19:56 | 0 | 1.153 | 21286 | 6130 | 53 | 132 | 116 | | |
| 257.9584 | 19:58 | 19:56 | 1 | 1.154 | 20389 | 5225 | 53 | 132 | 99 | 1.04(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:04 | 20:03 | 0 | 1.160 | 430479 | 110788 | 53 | 132 | 2090 | | |
| 257.9584 | 20:04 | 20:03 | 0 | 1.160 | 396355 | 102012 | 53 | 132 | 1925 | 1.09(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:35 | 20:34 | 1 | 1.190 | 639000 | 160684 | 53 | 132 | 3032 | | |
| 257.9584 | 20:35 | 20:34 | 1 | 1.190 | 602313 | 152500 | 53 | 132 | 2877 | 1.06(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:52 | 21:49 | 2 | 1.264 | 143573 | 36668 | 4192 | 10480 | 9 | | |
| 257.9584 | 21:52 | 21:49 | 2 | 1.264 | 135272 | 35327 | 3963 | 9907 | 9 | 1.06(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | | | | | | 4192 | 10480 | | | |
| 257.9584 | 21:58 | | | | | | 3963 | 9907 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:19 | 22:18 | 1 | 1.291 | 1393191 | 334947 | 4192 | 10480 | 80 | | |
| 257.9584 | 22:19 | 22:18 | 1 | 1.291 | 1310468 | 311516 | 3963 | 9907 | 79 | 1.06(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:19 | 22:18 | 1 | 1.291 | 1393191 | 334947 | 4192 | 10480 | 80 | | |
| 257.9584 | 22:19 | 22:18 | 1 | 1.291 | 1310468 | 311516 | 3963 | 9907 | 79 | 1.06(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:33 | 22:34 | 1 | 0.830 | 886637 | 205701 | 4192 | 10480 | 49 | | |
| 257.9584 | 22:33 | 22:34 | 1 | 0.830 | 817644 | 191449 | 3963 | 9907 | 48 | 1.08(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:52 | 22:52 | 2 | 0.842 | 7830404 | 1900009 | 4192 | 10480 | 453 | | |
| 257.9584 | 22:52 | 22:52 | 2 | 0.842 | 7374955 | 1787192 | 3963 | 9907 | 451 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:09 | 23:11 | 1 | 0.853 | 9957907 | 2343693 | 4192 | 10480 | 559 | | |
| 257.9584 | 23:09 | 23:11 | 1 | 0.853 | 9341018 | 2195220 | 3963 | 9907 | 554 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:09 | 23:11 | 1 | 0.853 | 9957907 | 2343693 | 4192 | 10480 | 559 | | |
| 257.9584 | 23:09 | 23:11 | 1 | 0.853 | 9341018 | 2195220 | 3963 | 9907 | 554 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:24 | 2 | 0.862 | 4333549 | 1019691 | 4192 | 10480 | 243 | | |
| 257.9584 | 23:24 | 23:24 | 2 | 0.862 | 4073339 | 951627 | 3963 | 9907 | 240 | 1.06(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:24 | 2 | 0.862 | 4333549 | 1019691 | 4192 | 10480 | 243 | | |
| 257.9584 | 23:24 | 23:24 | 2 | 0.862 | 4073339 | 951627 | 3963 | 9907 | 240 | 1.06(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:48 | 23:48 | 2 | 0.876 | 2460585 | 582163 | 4192 | 10480 | 139 | | |
| 257.9584 | 23:48 | 23:48 | 2 | 0.876 | 2302104 | 546920 | 3963 | 9907 | 138 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | nMa |
| 255.9613 | 25:21 | 25:21 | 2 | 0.934 | 17475 | 4193 | 4192 | 10480 | 1 | | M |
| 257.9584 | 25:22 | 25:21 | 3 | 0.934 | 15260 | 4362 | 3963 | 9907 | 1 | 1.15(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:44 | 25:43 | 3 | 0.947 | 156461 | 25963 | 4192 | 10480 | 6 | | |
| 257.9584 | 25:44 | 25:43 | 3 | 0.947 | 146593 | 26369 | 3963 | 9907 | 7 | 1.07(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:18 | | | | | | 4192 | 10480 | | | |
| 257.9584 | 26:18 | | | | | | 3963 | 9907 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:46 | 26:46 | 3 | 0.986 | 146373 | 36688 | 4192 | 10480 | 9 | | |
| 257.9584 | 26:46 | 26:46 | 3 | 0.986 | 140133 | 32791 | 3963 | 9907 | 8 | 1.04(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:11 | 27:11 | 3 | 1.001 | 2244443 | 481703 | 4192 | 10480 | 115 | | |
| 257.9584 | 27:11 | 27:11 | 3 | 1.001 | 2104597 | 453223 | 3963 | 9907 | 114 | 1.07(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:23 | 20:24 | 1 | 0.816 | 524470 | 135789 | 122 | 305 | 1113 | | |
| 303.9597 | 20:23 | 20:24 | 1 | 0.816 | 657601 | 167599 | 53 | 132 | 3162 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:59 | 24:57 | 2 | | 1615538 | 358953 | 294 | 735 | 1221 | | |
| 303.9597 | 24:59 | 24:57 | 2 | | 2038112 | 472141 | 355 | 887 | 1330 | 0.79(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:57 | 33:55 | 5 | 1.359 | 1516923 | 307634 | 294 | 735 | 1046 | | |
| 303.9597 | 33:57 | 33:55 | 5 | 1.359 | 1937700 | 388229 | 355 | 887 | 1094 | 0.78(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:30 | 34:28 | 5 | 1.382 | 1600340 | 312380 | 294 | 735 | 1063 | | |
| 303.9597 | 34:30 | 34:28 | 5 | 1.382 | 1969523 | 397551 | 355 | 887 | 1120 | 0.81(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:24 | 0 | 1.000 | 37402 | 9522 | 38 | 95 | 251 | | |
| 291.9194 | 20:24 | 20:24 | 0 | 1.000 | 46861 | 12158 | 49 | 122 | 248 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:35 | 22:36 | 0 | 1.108 | 1072642 | 261509 | 547 | 1367 | 478 | | |
| 291.9194 | 22:35 | 22:36 | 0 | 1.108 | 1348584 | 324109 | 598 | 1495 | 542 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:35 | 22:36 | 0 | 1.108 | 1072642 | 261509 | 547 | 1367 | 478 | | |
| 291.9194 | 22:35 | 22:36 | 0 | 1.108 | 1348584 | 324109 | 598 | 1495 | 542 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:20 | 23:20 | 2 | 1.144 | 1567888 | 222289 | 547 | 1367 | 406 | | M |
| 291.9194 | 23:20 | 23:20 | 2 | 1.144 | 1953923 | 277747 | 598 | 1495 | 464 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:20 | 23:20 | 2 | 1.144 | 1567888 | 222289 | 547 | 1367 | 406 | | M |
| 291.9194 | 23:20 | 23:20 | 2 | 1.144 | 1953923 | 277747 | 598 | 1495 | 464 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:34 | 23:34 | 1 | 1.156 | 275887 | 67264 | 547 | 1367 | 123 | | |
| 291.9194 | 23:34 | 23:34 | 1 | 1.156 | 354639 | 86660 | 598 | 1495 | 145 | 0.78(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | M |
| 289.9224 | 25:00 | 25:00 | 3 | 1.226 | 10190094 | 2311649 | 547 | 1367 | 4226 | | |
| 291.9194 | 25:00 | 25:00 | 3 | 1.226 | 12866201 | 2928515 | 598 | 1495 | 4897 | 0.79(0.65-0.89) | M |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:15 | 25:15 | 8 | 1.238 | 253161 | 39485 | 547 | 1367 | 72 | | M |
| 291.9194 | 25:15 | 25:15 | 8 | 1.238 | 331963 | 48912 | 598 | 1495 | 82 | 0.76(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:15 | 25:15 | 8 | 1.238 | 253161 | 39485 | 547 | 1367 | 72 | | M |
| 291.9194 | 25:15 | 25:15 | 8 | 1.238 | 331963 | 48912 | 598 | 1495 | 82 | 0.76(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:30 | 25:27 | 5 | 1.251 | 7411918 | 1654521 | 547 | 1367 | 3025 | | |
| 291.9194 | 25:30 | 25:27 | 5 | 1.251 | 9327267 | 2058201 | 598 | 1495 | 3442 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:30 | 25:27 | 5 | 1.251 | 7411918 | 1654521 | 547 | 1367 | 3025 | | |
| 291.9194 | 25:30 | 25:27 | 5 | 1.251 | 9327267 | 2058201 | 598 | 1495 | 3442 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:47 | 25:46 | 3 | 1.264 | 1082786 | 247727 | 547 | 1367 | 453 | | |
| 291.9194 | 25:47 | 25:46 | 3 | 1.264 | 1393421 | 313835 | 598 | 1495 | 525 | 0.78(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:00 | 26:01 | 0 | 1.275 | 9430702 | 1321802 | 547 | 1367 | 2416 | | |
| 291.9194 | 26:00 | 26:01 | 0 | 1.275 | 11834766 | 1664983 | 598 | 1495 | 2784 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:00 | 26:01 | 0 | 1.275 | 9430702 | 1321802 | 547 | 1367 | 2416 | | |
| 291.9194 | 26:00 | 26:01 | 0 | 1.275 | 11834766 | 1664983 | 598 | 1495 | 2784 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:00 | 26:01 | 0 | 1.275 | 9430702 | 1321802 | 547 | 1367 | 2416 | | |
| 291.9194 | 26:00 | 26:01 | 0 | 1.275 | 11834766 | 1664983 | 598 | 1495 | 2784 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:19 | 3 | 1.291 | 803404 | 122194 | 547 | 1367 | 223 | | |
| 291.9194 | 26:20 | 26:19 | 3 | 1.292 | 1031492 | 157393 | 598 | 1495 | 263 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:19 | 3 | 1.291 | 803404 | 122194 | 547 | 1367 | 223 | | |
| 291.9194 | 26:20 | 26:19 | 3 | 1.292 | 1031492 | 157393 | 598 | 1495 | 263 | 0.78(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:19 | 3 | 1.291 | 803404 | 122194 | 547 | 1367 | 223 | | |
| 291.9194 | 26:20 | 26:19 | 3 | 1.292 | 1031492 | 157393 | 598 | 1495 | 263 | 0.78(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:32 | 26:31 | 3 | 1.301 | 1848357 | 410946 | 547 | 1367 | 751 | | |
| 291.9194 | 26:32 | 26:31 | 3 | 1.301 | 2355616 | 523412 | 598 | 1495 | 875 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 27:01 | 27:01 | 3 | 1.325 | 3386881 | 687197 | 547 | 1367 | 1256 | | M |
| 291.9194 | 27:01 | 27:01 | 3 | 1.325 | 4260712 | 856413 | 598 | 1495 | 1432 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:01 | 27:01 | 3 | 1.325 | 3386881 | 687197 | 547 | 1367 | 1256 | | M |
| 291.9194 | 27:01 | 27:01 | 3 | 1.325 | 4260712 | 856413 | 598 | 1495 | 1432 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:01 | 27:01 | 3 | 1.325 | 3386881 | 687197 | 547 | 1367 | 1256 | | M |
| 291.9194 | 27:01 | 27:01 | 3 | 1.325 | 4260712 | 856413 | 598 | 1495 | 1432 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:14 | 27:14 | 3 | 1.336 | 3493884 | 760800 | 547 | 1367 | 1391 | | |
| 291.9194 | 27:14 | 27:14 | 3 | 1.336 | 4409228 | 971963 | 598 | 1495 | 1625 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:06 | 28:06 | 3 | 0.828 | 457222 | 101844 | 547 | 1367 | 186 | | |
| 291.9194 | 28:06 | 28:06 | 3 | 0.828 | 585420 | 127981 | 598 | 1495 | 214 | 0.78(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:23 | 28:24 | 3 | 0.836 | 270674 | 55762 | 547 | 1367 | 102 | | |
| 291.9194 | 28:23 | 28:24 | 3 | 0.836 | 346025 | 69629 | 598 | 1495 | 116 | 0.78(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | RQMa |
| 289.9224 | 28:48 | 28:48 | 4 | 0.849 | 25801 | 7042 | 547 | 1367 | 13 | | M |
| | Empc Correction | | | | 21094 | 5990 | 547 | 1367 | 11 | | |
| 291.9194 | 28:48 | 28:48 | 4 | 0.849 | 27396 | 7780 | 598 | 1495 | 13 | 0.94(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:02 | 29:03 | 3 | 0.855 | 127975 | 30053 | 547 | 1367 | 55 | | |
| 291.9194 | 29:02 | 29:03 | 3 | 0.855 | 150329 | 35001 | 598 | 1495 | 59 | 0.85(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:13 | 29:13 | 4 | 0.861 | 251213 | 49578 | 547 | 1367 | 91 | | |
| 291.9194 | 29:13 | 29:13 | 4 | 0.861 | 304337 | 64001 | 598 | 1495 | 107 | 0.83(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:28 | 29:29 | 3 | 0.868 | 443436 | 97109 | 547 | 1367 | 178 | | |
| 291.9194 | 29:28 | 29:29 | 3 | 0.868 | 551421 | 120810 | 598 | 1495 | 202 | 0.80(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:50 | 3 | 0.878 | 16459906 | 2667513 | 547 | 1367 | 4877 | | |
| 291.9194 | 29:48 | 29:50 | 3 | 0.878 | 20693916 | 3394778 | 598 | 1495 | 5677 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:50 | 3 | 0.878 | 16459906 | 2667513 | 547 | 1367 | 4877 | | |
| 291.9194 | 29:48 | 29:50 | 3 | 0.878 | 20693916 | 3394778 | 598 | 1495 | 5677 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:50 | 3 | 0.878 | 16459906 | 2667513 | 547 | 1367 | 4877 | | |
| 291.9194 | 29:48 | 29:50 | 3 | 0.878 | 20693916 | 3394778 | 598 | 1495 | 5677 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:50 | 3 | 0.878 | 16459906 | 2667513 | 547 | 1367 | 4877 | | |
| 291.9194 | 29:48 | 29:50 | 3 | 0.878 | 20693916 | 3394778 | 598 | 1495 | 5677 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:08 | 30:08 | 3 | 0.888 | 9387595 | 1974501 | 547 | 1367 | 3610 | | M |
| 291.9194 | 30:08 | 30:08 | 3 | 0.888 | 11801251 | 2471288 | 598 | 1495 | 4133 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | Ma |
| 289.9224 | 30:18 | 30:18 | 3 | 0.892 | 63390 | 13464 | 547 | 1367 | 25 | | M |
| 291.9194 | 30:15 | 30:18 | 0 | 0.891 | 88249 | 16857 | 598 | 1495 | 28 | 0.72(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:48 | 30:49 | 4 | 0.907 | 3693180 | 775217 | 547 | 1367 | 1417 | | |
| 291.9194 | 30:48 | 30:49 | 4 | 0.907 | 4599313 | 967466 | 598 | 1495 | 1618 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:01 | 31:02 | 4 | 0.914 | 703634 | 144976 | 547 | 1367 | 265 | | |
| 291.9194 | 31:01 | 31:02 | 3 | 0.913 | 862811 | 179773 | 598 | 1495 | 301 | 0.82(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:27 | | | | | | 547 | 1367 | | | |
| 291.9194 | 31:27 | | | | | | 598 | 1495 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:58 | 32:58 | 5 | 0.971 | 260188 | 51276 | 547 | 1367 | 94 | | |
| 291.9194 | 32:58 | 32:58 | 5 | 0.971 | 323254 | 62243 | 598 | 1495 | 104 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:32 | | | | | | 547 | 1367 | | | |
| 291.9194 | 33:32 | | | | | | 598 | 1495 | | | |
| PCB-81 | | | | | | | | | | | Ma |
| 289.9224 | 33:56 | 33:56 | 3 | 1.000 | 17239 | 6298 | 547 | 1367 | 12 | | M |
| 291.9194 | 33:56 | 33:56 | 3 | 1.000 | 20742 | 6983 | 598 | 1495 | 12 | 0.83(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:32 | 34:32 | 5 | 1.001 | 679369 | 139454 | 547 | 1367 | 255 | | |
| 291.9194 | 34:32 | 34:32 | 5 | 1.001 | 856891 | 172323 | 598 | 1495 | 288 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:56 | 25:57 | 3 | 0.814 | 1542409 | 338781 | 163 | 407 | 2078 | | |
| 339.9178 | 25:56 | 25:57 | 3 | 0.814 | 971134 | 222632 | 74 | 185 | 3009 | 1.59(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:52 | 31:48 | 4 | | 1534201 | 324900 | 163 | 407 | 1993 | | |
| 339.9178 | 31:52 | 31:48 | 5 | | 926339 | 191144 | 74 | 185 | 2583 | 1.66(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:34 | 34:33 | 5 | 1.085 | 1587454 | 305620 | 163 | 407 | 1875 | | |
| 339.9178 | 34:34 | 34:33 | 5 | 1.085 | 1005694 | 199125 | 74 | 185 | 2691 | 1.58(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:32 | 36:31 | 6 | 1.147 | 2201587 | 443389 | 1566 | 3915 | 283 | | |
| 339.9178 | 36:32 | 36:31 | 6 | 1.147 | 1382954 | 275845 | 1638 | 4095 | 168 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:52 | 36:51 | 6 | 1.157 | 2337072 | 473676 | 1566 | 3915 | 302 | | |
| 339.9178 | 36:52 | 36:51 | 6 | 1.157 | 1459367 | 288039 | 1638 | 4095 | 176 | 1.60(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:23 | 37:22 | 6 | 1.173 | 2164720 | 431488 | 1566 | 3915 | 276 | | |
| 339.9178 | 37:23 | 37:22 | 6 | 1.173 | 1399889 | 280953 | 1638 | 4095 | 172 | 1.55(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 38:02 | 38:02 | 6 | 1.194 | 2195081 | 430358 | 1566 | 3915 | 275 | | |
| 339.9178 | 38:02 | 38:02 | 6 | 1.194 | 1370673 | 277760 | 1638 | 4095 | 170 | 1.60(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:32 | 39:26 | 6 | | 2605759 | 520156 | 1566 | 3915 | 332 | | |
| 339.9178 | 39:33 | 39:26 | 7 | | 1607015 | 321515 | 1638 | 4095 | 196 | 1.62(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:08 | 41:07 | 6 | 1.291 | 2065146 | 406074 | 1566 | 3915 | 259 | | |
| 339.9178 | 41:08 | 41:07 | 6 | 1.291 | 1304769 | 260119 | 1638 | 4095 | 159 | 1.58(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:57 | | | | | | 97 | 242 | | | |
| 327.8775 | 25:57 | | | | | | 68 | 170 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:19 | 26:20 | 2 | 1.015 | 185869 | 41057 | 97 | 242 | 423 | | |
| 327.8775 | 26:19 | 26:20 | 2 | 1.015 | 114289 | 25730 | 68 | 170 | 378 | 1.63(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:16 | 28:16 | 3 | 1.090 | 605526 | 128212 | 97 | 242 | 1322 | | |
| 327.8775 | 28:16 | 28:16 | 3 | 1.090 | 370589 | 80331 | 68 | 170 | 1181 | 1.63(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:29 | 28:30 | 3 | 1.099 | 132561 | 26749 | 97 | 242 | 276 | | |
| 327.8775 | 28:29 | 28:30 | 3 | 1.099 | 80729 | 16910 | 68 | 170 | 249 | 1.64(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:56 | 28:56 | 3 | 1.116 | 11519764 | 2479926 | 97 | 242 | 25566 | | |
| 327.8775 | 28:56 | 28:56 | 3 | 1.116 | 7430039 | 1601886 | 68 | 170 | 23557 | 1.55(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:09 | 3 | 1.124 | 430565 | 85007 | 97 | 242 | 876 | | |
| 327.8775 | 29:09 | 29:09 | 3 | 1.124 | 262135 | 51151 | 68 | 170 | 752 | 1.64(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:09 | 3 | 1.124 | 430565 | 85007 | 97 | 242 | 876 | | |
| 327.8775 | 29:09 | 29:09 | 3 | 1.124 | 262135 | 51151 | 68 | 170 | 752 | 1.64(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:17 | 29:18 | 3 | 1.130 | 674704 | 120685 | 97 | 242 | 1244 | | |
| 327.8775 | 29:17 | 29:18 | 3 | 1.130 | 435708 | 77632 | 68 | 170 | 1142 | 1.55(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:17 | 29:18 | 3 | 1.130 | 674704 | 120685 | 97 | 242 | 1244 | | |
| 327.8775 | 29:17 | 29:18 | 3 | 1.130 | 435708 | 77632 | 68 | 170 | 1142 | 1.55(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:48 | 29:48 | 3 | 1.149 | 2725344 | 586743 | 97 | 242 | 6049 | | |
| 327.8775 | 29:48 | 29:48 | 3 | 1.149 | 1734808 | 374824 | 68 | 170 | 5512 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:48 | 29:48 | 3 | 1.149 | 2725344 | 586743 | 97 | 242 | 6049 | | |
| 327.8775 | 29:48 | 29:48 | 3 | 1.149 | 1734808 | 374824 | 68 | 170 | 5512 | 1.57(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:01 | 30:01 | 3 | 1.158 | 3078305 | 649148 | 97 | 242 | 6692 | | |
| 327.8775 | 30:01 | 30:01 | 3 | 1.158 | 1928039 | 408596 | 68 | 170 | 6009 | 1.60(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:29 | 30:30 | 3 | 1.176 | 123399 | 23549 | 97 | 242 | 243 | | |
| 327.8775 | 30:29 | 30:30 | 3 | 1.176 | 71660 | 14152 | 68 | 170 | 208 | 1.72(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:55 | | | | | | 97 | 242 | | | |
| 327.8775 | 30:55 | | | | | | 68 | 170 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:18 | 31:19 | 4 | 0.857 | 3711897 | 809333 | 97 | 242 | 8344 | | |
| 327.8775 | 31:18 | 31:19 | 4 | 0.857 | 2354392 | 513053 | 68 | 170 | 7545 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:53 | 31:52 | 5 | 1.230 | 17293246 | 3560303 | 97 | 242 | 36704 | | |
| 327.8775 | 31:53 | 31:52 | 5 | 1.230 | 11022778 | 2254240 | 68 | 170 | 33151 | 1.57(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:53 | 31:52 | 5 | 1.230 | 17293246 | 3560303 | 97 | 242 | 36704 | | |
| 327.8775 | 31:53 | 31:52 | 5 | 1.230 | 11022778 | 2254240 | 68 | 170 | 33151 | 1.57(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:53 | 31:52 | 5 | 1.230 | 17293246 | 3560303 | 97 | 242 | 36704 | | |
| 327.8775 | 31:53 | 31:52 | 5 | 1.230 | 11022778 | 2254240 | 68 | 170 | 33151 | 1.57(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:28 | 32:28 | 4 | 1.252 | 9272904 | 1723253 | 97 | 242 | 17765 | | M |
| 327.8775 | 32:28 | 32:28 | 4 | 1.252 | 5915510 | 1111076 | 68 | 170 | 16339 | 1.57(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:28 | 32:28 | 4 | 1.252 | 9272904 | 1723253 | 97 | 242 | 17765 | | M |
| 327.8775 | 32:28 | 32:28 | 4 | 1.252 | 5915510 | 1111076 | 68 | 170 | 16339 | 1.57(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:34 | | | | | | 97 | 242 | | | |
| 327.8775 | 32:34 | | | | | | 68 | 170 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 5 | 1.272 | 8557677 | 1007063 | 97 | 242 | 10382 | | M |
| 327.8775 | 32:58 | 32:58 | 5 | 1.272 | 5421255 | 642866 | 68 | 170 | 9454 | 1.58(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 5 | 1.272 | 8557677 | 1007063 | 97 | 242 | 10382 | | M |
| 327.8775 | 32:58 | 32:58 | 5 | 1.272 | 5421255 | 642866 | 68 | 170 | 9454 | 1.58(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 5 | 1.272 | 8557677 | 1007063 | 97 | 242 | 10382 | | M |
| 327.8775 | 32:58 | 32:58 | 5 | 1.272 | 5421255 | 642866 | 68 | 170 | 9454 | 1.58(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 5 | 1.272 | 8557677 | 1007063 | 97 | 242 | 10382 | | M |
| 327.8775 | 32:58 | 32:58 | 5 | 1.272 | 5421255 | 642866 | 68 | 170 | 9454 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 5 | 1.272 | 8557677 | 1007063 | 97 | 242 | 10382 | | M |
| 327.8775 | 32:58 | 32:58 | 5 | 1.272 | 5421255 | 642866 | 68 | 170 | 9454 | 1.58(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 5 | 1.272 | 8557677 | 1007063 | 97 | 242 | 10382 | | M |
| 327.8775 | 32:58 | 32:58 | 5 | 1.272 | 5421255 | 642866 | 68 | 170 | 9454 | 1.58(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:42 | 33:41 | 4 | 1.299 | 2112433 | 358749 | 97 | 242 | 3698 | | |
| 327.8775 | 33:42 | 33:41 | 4 | 1.299 | 1341144 | 230456 | 68 | 170 | 3389 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:42 | 33:41 | 4 | 1.299 | 2112433 | 358749 | 97 | 242 | 3698 | | |
| 327.8775 | 33:42 | 33:41 | 4 | 1.299 | 1341144 | 230456 | 68 | 170 | 3389 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:42 | 33:41 | 4 | 1.299 | 2112433 | 358749 | 97 | 242 | 3698 | | |
| 327.8775 | 33:42 | 33:41 | 4 | 1.299 | 1341144 | 230456 | 68 | 170 | 3389 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:52 | 33:55 | -1 | 1.306 | 17546217 | 3504305 | 97 | 242 | 36127 | | |
| 327.8775 | 33:52 | 33:55 | -1 | 1.306 | 11257595 | 2244819 | 68 | 170 | 33012 | 1.56(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:52 | 33:55 | -1 | 1.306 | 17546217 | 3504305 | 97 | 242 | 36127 | | |
| 327.8775 | 33:52 | 33:55 | -1 | 1.306 | 11257595 | 2244819 | 68 | 170 | 33012 | 1.56(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:11 | 34:10 | 4 | 1.318 | 1029730 | 197438 | 97 | 242 | 2035 | | |
| 327.8775 | 34:11 | 34:10 | 4 | 1.318 | 646578 | 122587 | 68 | 170 | 1803 | 1.59(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:35 | 34:34 | 5 | 1.334 | 74281 | 10779 | 97 | 242 | 111 | | |
| 327.8775 | 34:36 | 34:34 | 5 | 1.334 | 52686 | 8391 | 68 | 170 | 123 | 1.41(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:03 | 35:01 | 5 | 1.352 | 243225 | 45623 | 97 | 242 | 470 | | |
| 327.8775 | 35:04 | 35:01 | 6 | 1.353 | 152140 | 29103 | 68 | 170 | 428 | 1.60(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:12 | 36:10 | 6 | 1.396 | 576840 | 112643 | 2050 | 5125 | 55 | | |
| 327.8775 | 36:12 | 36:10 | 6 | 1.396 | 371229 | 71761 | 1078 | 2695 | 67 | 1.55(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:12 | 36:10 | 6 | 1.396 | 576840 | 112643 | 2050 | 5125 | 55 | | |
| 327.8775 | 36:12 | 36:10 | 6 | 1.396 | 371229 | 71761 | 1078 | 2695 | 67 | 1.55(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | Ma |
| 325.8804 | 36:27 | 36:27 | 6 | 1.406 | 2323200 | 448071 | 2050 | 5125 | 219 | | M |
| 327.8775 | 36:26 | 36:27 | 5 | 1.405 | 1432979 | 280783 | 1078 | 2695 | 260 | 1.62(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | RQMa |
| 325.8804 | 36:31 | 36:31 | 3 | 1.000 | 214310 | 51736 | 2050 | 5125 | 25 | | M |
| 327.8775 | 36:31 | 36:31 | 2 | 0.999 | 175670 | 40527 | 1078 | 2695 | 38 | 1.22(1.32-1.78) | |
| | Empc Correction | | | | 138264 | 33378 | 1078 | 2695 | 31 | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:41 | | | | | | 2050 | 5125 | | | |
| 327.8775 | 36:41 | | | | | | 1078 | 2695 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:53 | 36:53 | 6 | 1.001 | 18290294 | 3556961 | 2050 | 5125 | 1735 | | |
| 327.8775 | 36:53 | 36:53 | 6 | 1.001 | 11676590 | 2265683 | 1078 | 2695 | 2102 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:14 | 37:14 | 6 | 1.010 | 216849 | 39350 | 2050 | 5125 | 19 | | |
| 327.8775 | 37:14 | 37:14 | 6 | 1.010 | 134365 | 26246 | 1078 | 2695 | 24 | 1.61(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:25 | 37:25 | 6 | 1.001 | 307974 | 49445 | 2050 | 5125 | 24 | | |
| 327.8775 | 37:25 | 37:25 | 6 | 1.001 | 203098 | 31478 | 1078 | 2695 | 29 | 1.52(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:03 | 38:04 | 5 | 1.000 | 4852472 | 918521 | 2050 | 5125 | 448 | | |
| 327.8775 | 38:03 | 38:04 | 5 | 1.000 | 3071299 | 582093 | 1078 | 2695 | 540 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:33 | | | | | | 2050 | 5125 | | | |
| 327.8775 | 39:33 | | | | | | 1078 | 2695 | | | |
| PCB-126 | | | | | | | | | | | RQMa |
| 325.8804 | 41:10 | 41:10 | 7 | 1.001 | 49785 | 9975 | 2050 | 5125 | 5 | | M |
| | Empc Correction | | | | 41144 | 10981 | 2050 | 5125 | 5 | | |
| 327.8775 | 41:10 | 41:10 | 7 | 1.001 | 26545 | 7085 | 1078 | 2695 | 7 | 1.88(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:39 | 31:39 | 4 | 0.791 | 1223843 | 260270 | 233 | 582 | 1117 | | |
| 373.8788 | 31:39 | 31:39 | 4 | 0.791 | 982957 | 209862 | 256 | 640 | 820 | 1.25(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:59 | 39:54 | 5 | | 1516711 | 301771 | 511 | 1277 | 591 | | |
| 373.8788 | 39:59 | 39:54 | 5 | | 1183883 | 234033 | 488 | 1220 | 480 | 1.28(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 43:01 | 43:00 | 7 | 1.076 | 1459581 | 279488 | 511 | 1277 | 547 | | |
| 373.8788 | 43:01 | 43:00 | 7 | 1.076 | 1140591 | 219761 | 488 | 1220 | 450 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:10 | 44:10 | 7 | 1.105 | 2891164 | 396508 | 511 | 1277 | 776 | | |
| 373.8788 | 44:10 | 44:10 | 7 | 1.105 | 2259320 | 323707 | 488 | 1220 | 663 | 1.28(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:10 | 44:10 | 7 | 1.105 | 2891164 | 396508 | 511 | 1277 | 776 | | |
| 373.8788 | 44:10 | 44:10 | 7 | 1.105 | 2259320 | 323707 | 488 | 1220 | 663 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:25 | 47:24 | 8 | 1.186 | 1494990 | 286845 | 511 | 1277 | 561 | | |
| 373.8788 | 47:25 | 47:24 | 8 | 1.186 | 1154649 | 223180 | 488 | 1220 | 457 | 1.29(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:40 | | | | | | 72 | 180 | | | |
| 361.8385 | 31:40 | | | | | | 81 | 202 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:51 | 31:52 | 3 | 1.006 | 19690 | 4335 | 72 | 180 | 60 | | |
| 361.8385 | 31:51 | 31:52 | 3 | 1.006 | 15689 | 2728 | 81 | 202 | 34 | 1.26(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:01 | 32:02 | 3 | 1.012 | 111213 | 22825 | 72 | 180 | 317 | | |
| 361.8385 | 32:01 | 32:02 | 3 | 1.012 | 86144 | 17403 | 81 | 202 | 215 | 1.29(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:22 | 32:23 | 3 | 1.023 | 2827802 | 589484 | 72 | 180 | 8187 | | |
| 361.8385 | 32:22 | 32:23 | 3 | 1.023 | 2256107 | 462234 | 81 | 202 | 5707 | 1.25(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | Ma |
| 359.8415 | 32:41 | 32:41 | 4 | 1.033 | 9435 | 1682 | 72 | 180 | 23 | | M |
| 361.8385 | 32:41 | 32:41 | 3 | 1.033 | 7762 | 1178 | 81 | 202 | 15 | 1.22(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:13 | 34:13 | 5 | 1.081 | 86378 | 16466 | 72 | 180 | 229 | | |
| 361.8385 | 34:13 | 34:13 | 5 | 1.081 | 65537 | 13364 | 81 | 202 | 165 | 1.32(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:48 | 34:51 | 2 | 1.100 | 5330549 | 721688 | 72 | 180 | 10023 | | |
| 361.8385 | 34:48 | 34:51 | 2 | 1.100 | 4222190 | 565937 | 81 | 202 | 6987 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:48 | 34:51 | 2 | 1.100 | 5330549 | 721688 | 72 | 180 | 10023 | | |
| 361.8385 | 34:48 | 34:51 | 2 | 1.100 | 4222190 | 565937 | 81 | 202 | 6987 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:04 | 35:04 | 5 | 1.108 | 583303 | 111373 | 72 | 180 | 1547 | | |
| 361.8385 | 35:04 | 35:04 | 5 | 1.108 | 453002 | 88979 | 81 | 202 | 1099 | 1.29(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:22 | 35:22 | 5 | 1.118 | 512463 | 112030 | 72 | 180 | 1556 | | |
| 361.8385 | 35:22 | 35:22 | 5 | 1.118 | 409551 | 88467 | 81 | 202 | 1092 | 1.25(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:44 | 35:44 | 4 | 1.129 | 18065922 | 3633165 | 392 | 980 | 9268 | | |
| 361.8385 | 35:44 | 35:44 | 4 | 1.129 | 14416621 | 2894579 | 318 | 795 | 9102 | 1.25(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:44 | 35:44 | 4 | 1.129 | 18065922 | 3633165 | 392 | 980 | 9268 | | |
| 361.8385 | 35:44 | 35:44 | 4 | 1.129 | 14416621 | 2894579 | 318 | 795 | 9102 | 1.25(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:55 | 35:55 | -1 | 1.135 | 949090 | 172909 | 392 | 980 | 441 | | a |
| 361.8385 | 35:55 | 35:55 | -1 | 1.135 | 763018 | 137834 | 318 | 795 | 433 | 1.24(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:55 | 35:55 | -1 | 1.135 | 949090 | 172909 | 392 | 980 | 441 | | a |
| 361.8385 | 35:55 | 35:55 | -1 | 1.135 | 763018 | 137834 | 318 | 795 | 433 | 1.24(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:20 | 36:20 | 5 | 1.148 | 383879 | 70012 | 392 | 980 | 179 | | |
| 361.8385 | 36:20 | 36:20 | 5 | 1.148 | 304232 | 57391 | 318 | 795 | 180 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:20 | 36:20 | 5 | 1.148 | 383879 | 70012 | 392 | 980 | 179 | | |
| 361.8385 | 36:20 | 36:20 | 5 | 1.148 | 304232 | 57391 | 318 | 795 | 180 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:31 | 36:32 | 4 | 1.154 | 165177 | 31937 | 392 | 980 | 81 | | |
| 361.8385 | 36:31 | 36:32 | 4 | 1.154 | 131122 | 25526 | 318 | 795 | 80 | 1.26(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:41 | | | | | | 392 | 980 | | | |
| 361.8385 | 36:41 | | | | | | 318 | 795 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:59 | 37:00 | 4 | 1.169 | 5522548 | 1086485 | 392 | 980 | 2772 | | |
| 361.8385 | 36:59 | 37:00 | 4 | 1.169 | 4363014 | 873909 | 318 | 795 | 2748 | 1.27(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:31 | 37:30 | 6 | 1.186 | 489266 | 97634 | 392 | 980 | 249 | | |
| 361.8385 | 37:31 | 37:30 | 6 | 1.186 | 387424 | 76670 | 318 | 795 | 241 | 1.26(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:55 | | | | | | 392 | 980 | | | |
| 361.8385 | 37:55 | | | | | | 318 | 795 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:10 | 38:10 | 6 | 0.887 | 4364152 | 838591 | 392 | 980 | 2139 | | |
| 361.8385 | 38:10 | 38:10 | 6 | 0.887 | 3425277 | 656716 | 318 | 795 | 2065 | 1.27(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:18 | | | | | | 392 | 980 | | | |
| 361.8385 | 38:18 | | | | | | 318 | 795 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:46 | 38:49 | 3 | 0.901 | 20525045 | 4074893 | 392 | 980 | 10395 | | |
| 361.8385 | 38:46 | 38:49 | 3 | 0.901 | 16295290 | 3227930 | 318 | 795 | 10151 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:46 | 38:49 | 3 | 0.901 | 20525045 | 4074893 | 392 | 980 | 10395 | | |
| 361.8385 | 38:46 | 38:49 | 3 | 0.901 | 16295290 | 3227930 | 318 | 795 | 10151 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:58 | 38:58 | 6 | 0.906 | 2767677 | 526051 | 392 | 980 | 1342 | | |
| 361.8385 | 38:58 | 38:58 | 6 | 0.906 | 2183972 | 414447 | 318 | 795 | 1303 | 1.27(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:22 | 39:23 | 6 | 0.915 | 1116437 | 216912 | 392 | 980 | 553 | | |
| 361.8385 | 39:22 | 39:23 | 6 | 0.915 | 877674 | 168502 | 318 | 795 | 530 | 1.27(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:36 | 39:37 | 5 | 0.920 | 448336 | 97216 | 392 | 980 | 248 | | |
| 361.8385 | 39:36 | 39:37 | 5 | 0.920 | 347756 | 77529 | 318 | 795 | 244 | 1.29(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:43 | 39:44 | 5 | 0.923 | 1595909 | 307460 | 392 | 980 | 784 | | |
| 361.8385 | 39:43 | 39:44 | 5 | 0.923 | 1241523 | 241650 | 318 | 795 | 760 | 1.29(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 40:02 | 40:03 | 5 | 0.930 | 17006394 | 3110167 | 392 | 980 | 7934 | | |
| 361.8385 | 40:01 | 40:03 | 5 | 0.930 | 13555641 | 2474246 | 318 | 795 | 7781 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 40:02 | 40:03 | 5 | 0.930 | 17006394 | 3110167 | 392 | 980 | 7934 | | |
| 361.8385 | 40:01 | 40:03 | 5 | 0.930 | 13555641 | 2474246 | 318 | 795 | 7781 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 40:02 | 40:03 | 5 | 0.930 | 17006394 | 3110167 | 392 | 980 | 7934 | | |
| 361.8385 | 40:01 | 40:03 | 5 | 0.930 | 13555641 | 2474246 | 318 | 795 | 7781 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 40:02 | 40:03 | 5 | 0.930 | 17006394 | 3110167 | 392 | 980 | 7934 | | |
| 361.8385 | 40:01 | 40:03 | 5 | 0.930 | 13555641 | 2474246 | 318 | 795 | 7781 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:24 | 40:25 | 5 | 0.939 | 1620772 | 296908 | 392 | 980 | 757 | | |
| 361.8385 | 40:24 | 40:25 | 5 | 0.939 | 1270250 | 231538 | 318 | 795 | 728 | 1.28(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | Ma |
| 359.8415 | 41:16 | 41:16 | 6 | 0.959 | 2595839 | 459066 | 392 | 980 | 1171 | | M |
| 361.8385 | 41:16 | 41:16 | 6 | 0.959 | 2070513 | 363578 | 318 | 795 | 1143 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | Ma |
| 359.8415 | 41:16 | 41:16 | 6 | 0.959 | 2595839 | 459066 | 392 | 980 | 1171 | | M |
| 361.8385 | 41:16 | 41:16 | 6 | 0.959 | 2070513 | 363578 | 318 | 795 | 1143 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:13 | 42:16 | 4 | 0.981 | 291331 | 53324 | 392 | 980 | 136 | | |
| 361.8385 | 42:13 | 42:16 | 4 | 0.981 | 224726 | 40374 | 318 | 795 | 127 | 1.30(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:34 | | | | | | 392 | 980 | | | |
| 361.8385 | 42:34 | | | | | | 318 | 795 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:03 | 43:03 | 7 | 1.001 | 601241 | 114226 | 392 | 980 | 291 | | |
| 361.8385 | 43:02 | 43:03 | 6 | 1.000 | 483299 | 93182 | 318 | 795 | 293 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:10 | 44:11 | 6 | 1.000 | 1681662 | 291897 | 392 | 980 | 745 | | |
| 361.8385 | 44:10 | 44:11 | 6 | 1.000 | 1316743 | 230250 | 318 | 795 | 724 | 1.28(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:10 | 44:11 | 6 | 1.000 | 1681662 | 291897 | 392 | 980 | 745 | | |
| 361.8385 | 44:10 | 44:11 | 6 | 1.000 | 1316743 | 230250 | 318 | 795 | 724 | 1.28(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:27 | | | | | | 392 | 980 | | | |
| 361.8385 | 47:27 | | | | | | 318 | 795 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:23 | 37:23 | 5 | 0.821 | 1246725 | 240262 | 173 | 432 | 1389 | | |
| 407.8398 | 37:23 | 37:23 | 5 | 0.821 | 1174702 | 224134 | 193 | 482 | 1161 | 1.06(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:28 | 40:27 | 6 | 0.888 | 872091 | 169170 | 173 | 432 | 978 | | |
| 407.8398 | 40:28 | 40:27 | 6 | 0.888 | 843044 | 170601 | 193 | 482 | 884 | 1.03(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:33 | 45:27 | 6 | | 1120996 | 217577 | 173 | 432 | 1258 | | |
| 407.8398 | 45:33 | 45:27 | 6 | | 1053286 | 204770 | 193 | 482 | 1061 | 1.06(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:49 | 46:49 | 6 | 1.028 | 760174 | 145090 | 173 | 432 | 839 | | |
| 407.8398 | 46:49 | 46:49 | 6 | 1.028 | 728130 | 141912 | 193 | 482 | 735 | 1.04(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:57 | 49:56 | 7 | 1.097 | 1886422 | 361085 | 974 | 2435 | 371 | | |
| 407.8398 | 49:57 | 49:56 | 7 | 1.096 | 1762594 | 324922 | 1431 | 3577 | 227 | 1.07(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:25 | | | | | | 67 | 167 | | | |
| 395.7995 | 37:25 | | | | | | 74 | 185 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:44 | 37:44 | 5 | 1.009 | 2955192 | 587458 | 67 | 167 | 8768 | | |
| 395.7995 | 37:44 | 37:44 | 5 | 1.009 | 2807326 | 559356 | 74 | 185 | 7559 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:17 | | | | | | 67 | 167 | | | |
| 395.7995 | 38:17 | | | | | | 74 | 185 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:38 | 38:38 | 5 | 1.033 | 807614 | 160805 | 67 | 167 | 2400 | | |
| 395.7995 | 38:38 | 38:38 | 5 | 1.033 | 780485 | 156811 | 74 | 185 | 2119 | 1.03(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:05 | | | | | | 67 | 167 | | | |
| 395.7995 | 39:05 | | | | | | 74 | 185 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:29 | 40:28 | 6 | 1.083 | 932914 | 184875 | 67 | 167 | 2759 | | |
| 395.7995 | 40:29 | 40:28 | 6 | 1.083 | 883153 | 173817 | 74 | 185 | 2349 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:07 | 41:07 | 5 | 1.100 | 183487 | 37752 | 67 | 167 | 563 | | |
| 395.7995 | 41:07 | 41:07 | 5 | 1.100 | 172318 | 33578 | 74 | 185 | 454 | 1.06(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:23 | 41:22 | 6 | 1.107 | 5863399 | 1139170 | 67 | 167 | 17003 | | |
| 395.7995 | 41:23 | 41:22 | 6 | 1.107 | 5568414 | 1068931 | 74 | 185 | 14445 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:36 | 41:35 | 6 | 1.113 | 62765 | 9332 | 67 | 167 | 139 | | |
| 395.7995 | 41:35 | 41:35 | 5 | 1.112 | 52821 | 8627 | 74 | 185 | 117 | 1.19(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 42:00 | 41:59 | 6 | 1.123 | 2930483 | 500370 | 67 | 167 | 7468 | | |
| 395.7995 | 42:00 | 41:59 | 6 | 1.123 | 2760681 | 464984 | 74 | 185 | 6284 | 1.06(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 42:00 | 41:59 | 6 | 1.123 | 2930483 | 500370 | 67 | 167 | 7468 | | |
| 395.7995 | 42:00 | 41:59 | 6 | 1.123 | 2760681 | 464984 | 74 | 185 | 6284 | 1.06(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:13 | 42:14 | 5 | 1.129 | 4023323 | 741462 | 67 | 167 | 11067 | | |
| 395.7995 | 42:13 | 42:14 | 5 | 1.129 | 3821549 | 708600 | 74 | 185 | 9576 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:40 | 42:40 | 5 | 1.141 | 2327823 | 461048 | 67 | 167 | 6881 | | |
| 395.7995 | 42:40 | 42:40 | 5 | 1.141 | 2215321 | 438142 | 74 | 185 | 5921 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:04 | | | | | | 67 | 167 | | | |
| 395.7995 | 43:04 | | | | | | 74 | 185 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:18 | 43:17 | 6 | 1.158 | 1049496 | 194937 | 67 | 167 | 2910 | | |
| 395.7995 | 43:18 | 43:17 | 6 | 1.158 | 991450 | 187234 | 74 | 185 | 2530 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:18 | 43:17 | 6 | 1.158 | 1049496 | 194937 | 67 | 167 | 2910 | | |
| 395.7995 | 43:18 | 43:17 | 6 | 1.158 | 991450 | 187234 | 74 | 185 | 2530 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:57 | 44:56 | 7 | 0.900 | 646296 | 123984 | 67 | 167 | 1851 | | |
| 395.7995 | 44:56 | 44:56 | 6 | 0.899 | 632790 | 124210 | 74 | 185 | 1679 | 1.02(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:13 | | | | | | 67 | 167 | | | |
| 395.7995 | 45:13 | | | | | | 74 | 185 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:35 | 45:33 | 9 | 0.913 | 9603837 | 1770825 | 67 | 167 | 26430 | | |
| 395.7995 | 45:35 | 45:33 | 9 | 0.913 | 9145034 | 1689292 | 74 | 185 | 22828 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:35 | 45:33 | 9 | 0.913 | 9603837 | 1770825 | 67 | 167 | 26430 | | |
| 395.7995 | 45:35 | 45:33 | 9 | 0.913 | 9145034 | 1689292 | 74 | 185 | 22828 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:56 | 45:57 | 6 | 0.920 | 196363 | 35025 | 67 | 167 | 523 | | |
| 395.7995 | 45:56 | 45:57 | 6 | 0.920 | 182636 | 32958 | 74 | 185 | 445 | 1.08(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:50 | 46:51 | 6 | 0.938 | 3434814 | 663530 | 67 | 167 | 9903 | | |
| 395.7995 | 46:50 | 46:51 | 6 | 0.938 | 3268362 | 630506 | 74 | 185 | 8520 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:22 | 47:23 | 6 | 0.948 | 883530 | 164572 | 67 | 167 | 2456 | | |
| 395.7995 | 47:22 | 47:23 | 6 | 0.948 | 835084 | 162071 | 74 | 185 | 2190 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:58 | 49:59 | 7 | 1.000 | 305976 | 58284 | 302 | 755 | 193 | | |
| 395.7995 | 49:58 | 49:59 | 7 | 1.000 | 283899 | 53447 | 295 | 737 | 181 | 1.08(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:46 | 42:47 | 5 | 0.821 | 849618 | 165207 | 336 | 840 | 492 | | |
| 441.8008 | 42:46 | 42:47 | 5 | 0.821 | 926544 | 186403 | 309 | 772 | 603 | 0.92(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:04 | 51:57 | 7 | | 1233901 | 226999 | 855 | 2137 | 265 | | |
| 441.8008 | 52:03 | 51:57 | 7 | | 1351506 | 250597 | 835 | 2087 | 300 | 0.91(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:32 | 52:32 | 7 | 1.009 | 1173017 | 219270 | 855 | 2137 | 256 | | |
| 441.8008 | 52:32 | 52:32 | 7 | 1.009 | 1295403 | 241425 | 835 | 2087 | 289 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:48 | 42:48 | 5 | 1.001 | 410734 | 79817 | 99 | 247 | 806 | | |
| 429.7606 | 42:48 | 42:48 | 5 | 1.001 | 460459 | 92128 | 106 | 265 | 869 | 0.89(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:44 | 43:43 | 7 | 1.023 | 233622 | 46123 | 99 | 247 | 466 | | |
| 429.7606 | 43:44 | 43:43 | 7 | 1.023 | 265269 | 53917 | 106 | 265 | 509 | 0.88(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:24 | | | | | | 99 | 247 | | | |
| 429.7606 | 44:24 | | | | | | 106 | 265 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:39 | 44:37 | 7 | 1.044 | 71455 | 17752 | 99 | 247 | 179 | | |
| 429.7606 | 44:39 | 44:37 | 7 | 1.044 | 79188 | 19453 | 106 | 265 | 184 | 0.90(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:45 | 44:44 | 7 | 1.046 | 259009 | 49226 | 99 | 247 | 497 | | |
| 429.7606 | 44:44 | 44:44 | 6 | 1.046 | 277854 | 54676 | 106 | 265 | 516 | 0.93(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:34 | 47:32 | 8 | 1.112 | 1616781 | 300916 | 99 | 247 | 3040 | | |
| 429.7606 | 47:33 | 47:32 | 7 | 1.112 | 1794621 | 329969 | 106 | 265 | 3113 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:34 | 47:32 | 8 | 1.112 | 1616781 | 300916 | 99 | 247 | 3040 | | |
| 429.7606 | 47:33 | 47:32 | 7 | 1.112 | 1794621 | 329969 | 106 | 265 | 3113 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:12 | 48:12 | 6 | 0.918 | 771785 | 147096 | 99 | 247 | 1486 | | |
| 429.7606 | 48:12 | 48:12 | 6 | 0.918 | 848561 | 164739 | 106 | 265 | 1554 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:25 | 48:24 | 7 | 0.922 | 1070579 | 197163 | 99 | 247 | 1992 | | |
| 429.7606 | 48:24 | 48:24 | 6 | 0.921 | 1166362 | 218135 | 106 | 265 | 2058 | 0.92(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:43 | 49:43 | 6 | 0.946 | 921292 | 179035 | 1036 | 2590 | 173 | | |
| 429.7606 | 49:43 | 49:43 | 6 | 0.946 | 1007740 | 197647 | 708 | 1770 | 279 | 0.91(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:05 | 52:05 | 7 | 0.992 | 2436358 | 473938 | 1036 | 2590 | 457 | | |
| 429.7606 | 52:05 | 52:05 | 7 | 0.992 | 2675059 | 517495 | 708 | 1770 | 731 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:33 | 52:33 | 7 | 1.000 | 145621 | 28316 | 1036 | 2590 | 27 | | |
| 429.7606 | 52:34 | 52:33 | 7 | 1.001 | 160883 | 31593 | 708 | 1770 | 45 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:28 | 49:29 | 6 | 0.950 | 950921 | 178636 | 235 | 587 | 760 | | |
| 475.7619 | 49:28 | 49:29 | 6 | 0.950 | 1124586 | 214653 | 913 | 2282 | 235 | 0.85(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:17 | 54:18 | 7 | 1.043 | 653275 | 121632 | 235 | 587 | 518 | | |
| 475.7619 | 54:17 | 54:18 | 7 | 1.043 | 805477 | 143447 | 913 | 2282 | 157 | 0.81(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:29 | 49:29 | 6 | 1.000 | 248725 | 49728 | 602 | 1505 | 83 | | |
| 463.7216 | 49:29 | 49:29 | 6 | 1.000 | 320395 | 60179 | 215 | 537 | 280 | 0.78(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:26 | 50:26 | 6 | 1.019 | 126936 | 25683 | 602 | 1505 | 43 | | |
| 463.7216 | 50:25 | 50:26 | 5 | 1.019 | 162038 | 33160 | 215 | 537 | 154 | 0.78(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:19 | 54:19 | 7 | 1.001 | 825666 | 187666 | 602 | 1505 | 312 | | |
| 463.7216 | 54:19 | 54:19 | 7 | 1.001 | 1014941 | 184045 | 215 | 537 | 856 | 0.81(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:56 | 55:58 | 7 | 1.074 | 654790 | 117360 | 331 | 827 | 355 | | |
| 509.7229 | 55:56 | 55:58 | 7 | 1.074 | 907422 | 150058 | 166 | 415 | 904 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:58 | 55:58 | 7 | 1.000 | 719087 | 126941 | 60 | 150 | 2116 | | |
| 497.6826 | 55:58 | 55:58 | 7 | 1.000 | 1022419 | 176208 | 60 | 150 | 2937 | 0.70(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

n - Failed Sig-To-Noise Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

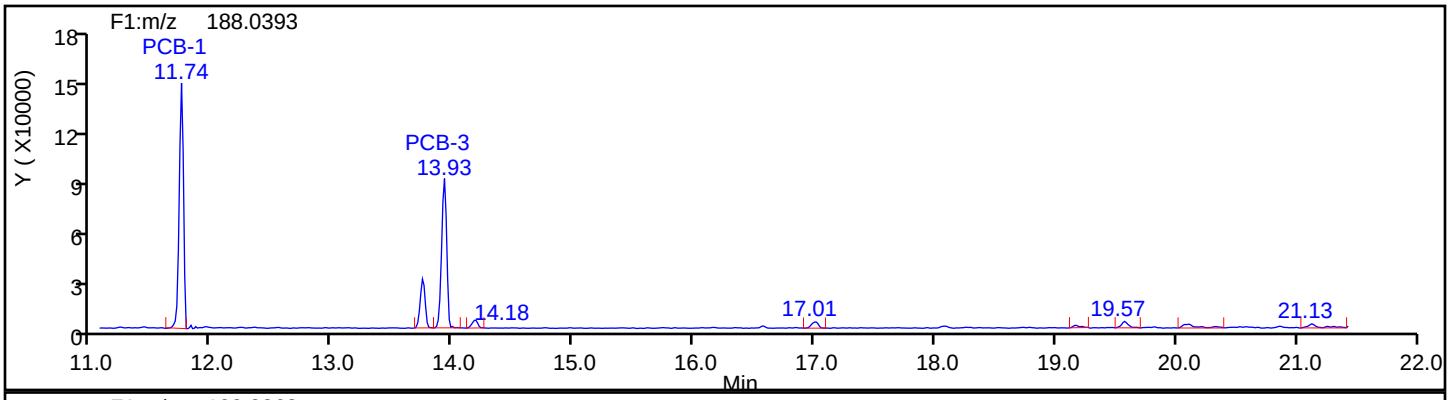
M - Manually Integrated

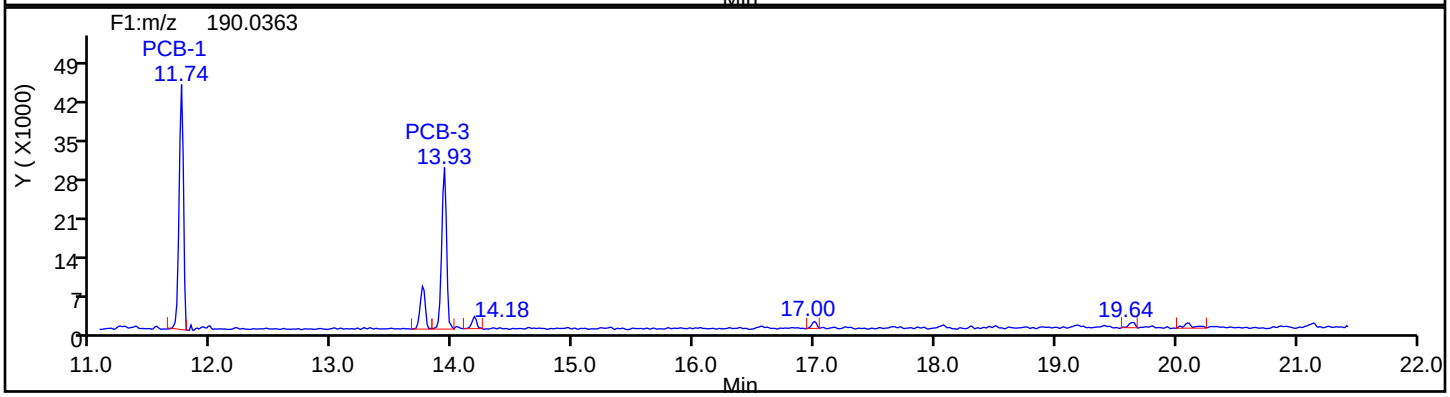
a - User Assigned ID

Eurofins TestAmerica, Knoxville

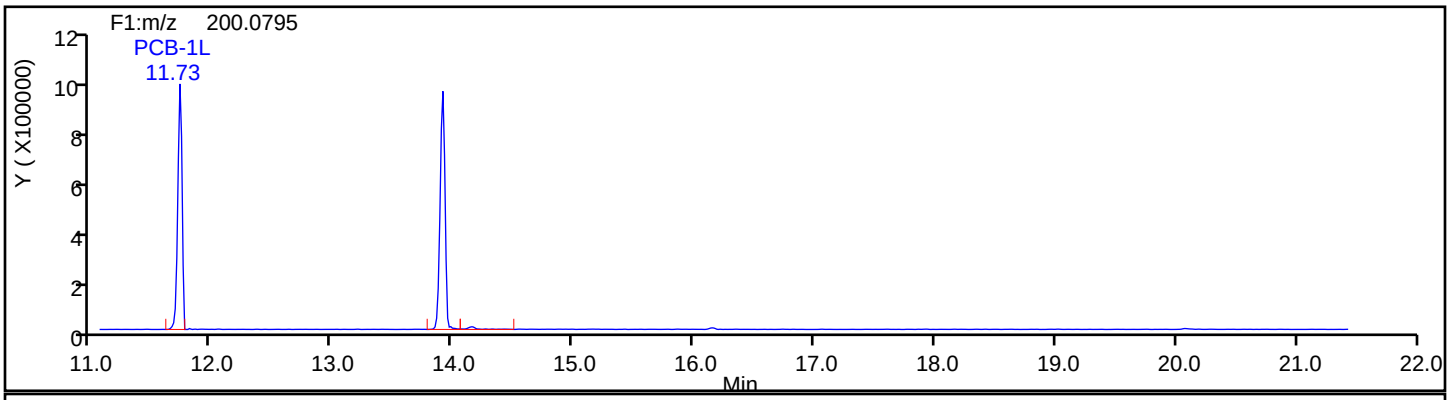
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

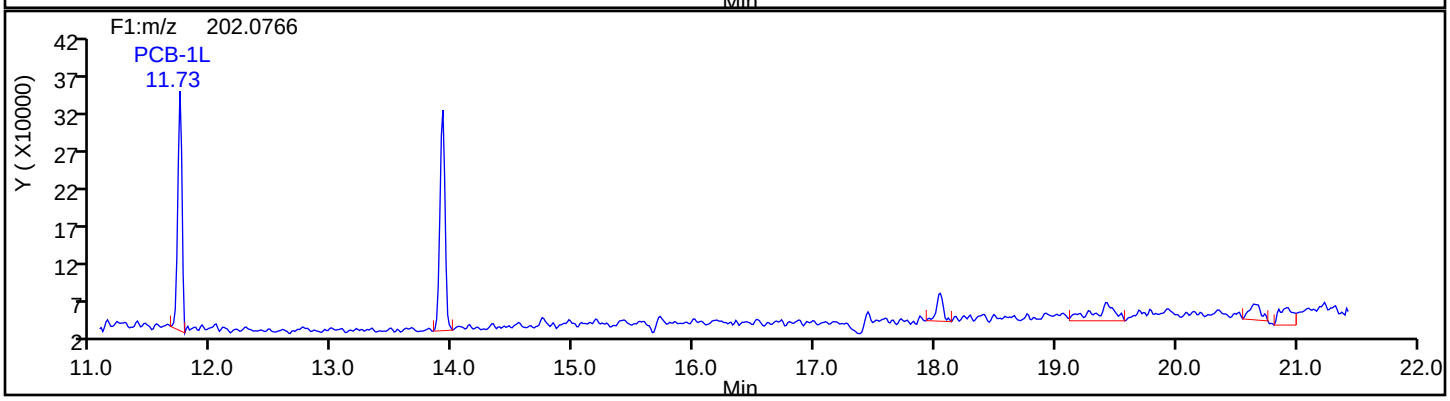
MoPCB F1




MoPCB F1 Standards

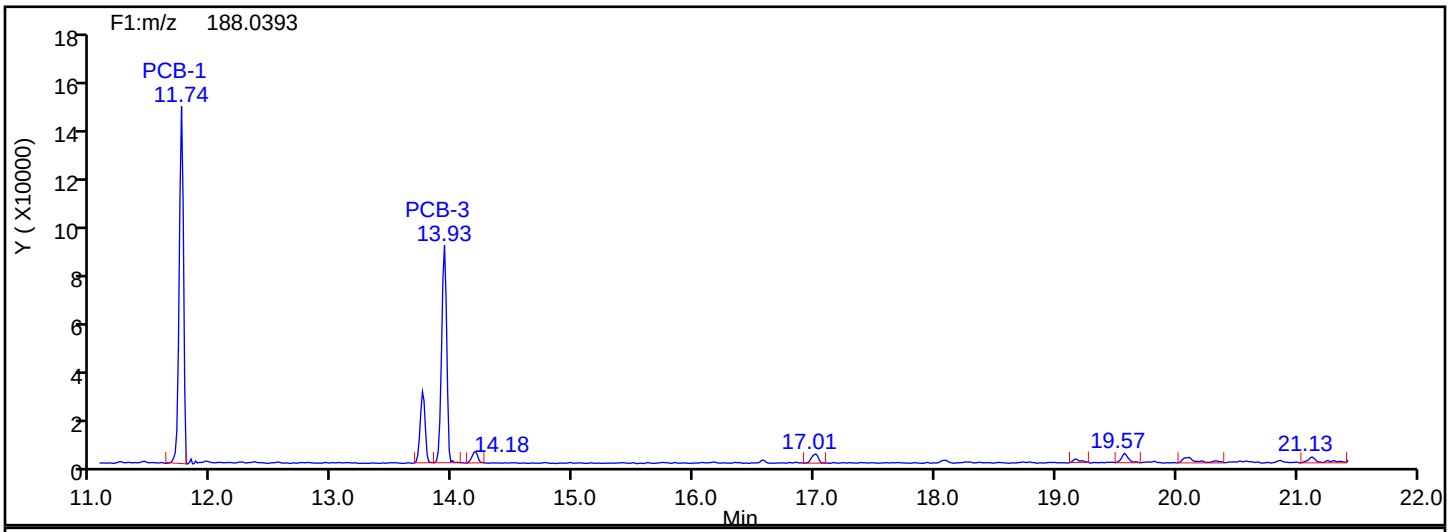


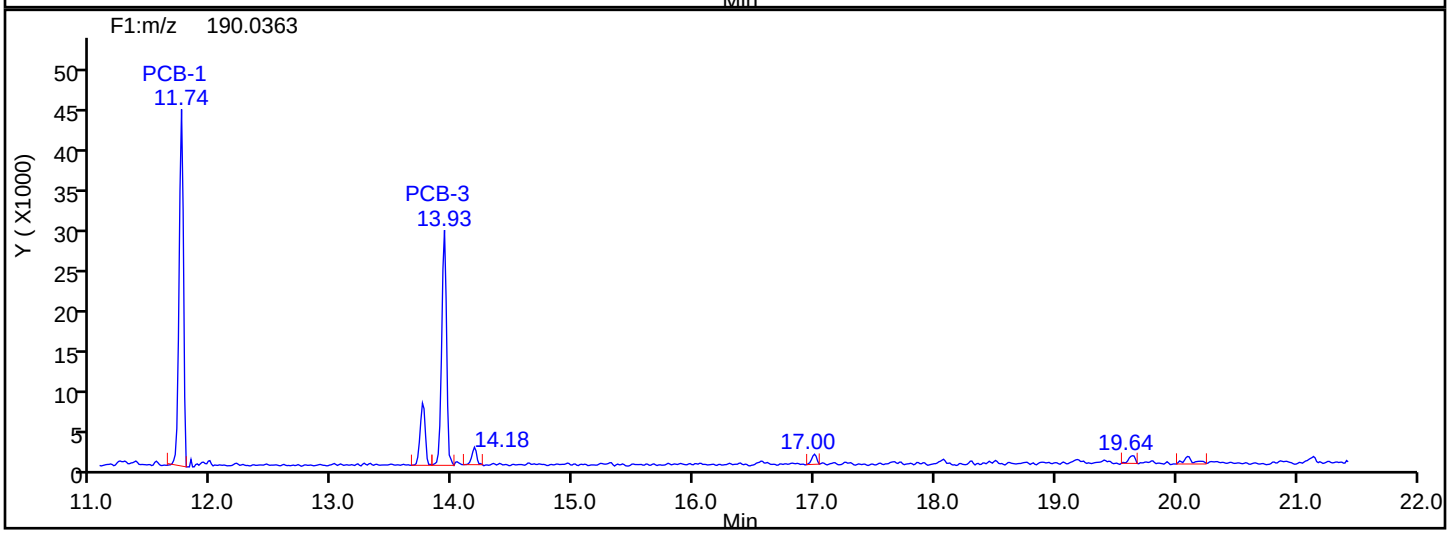



Eurofins TestAmerica, Knoxville

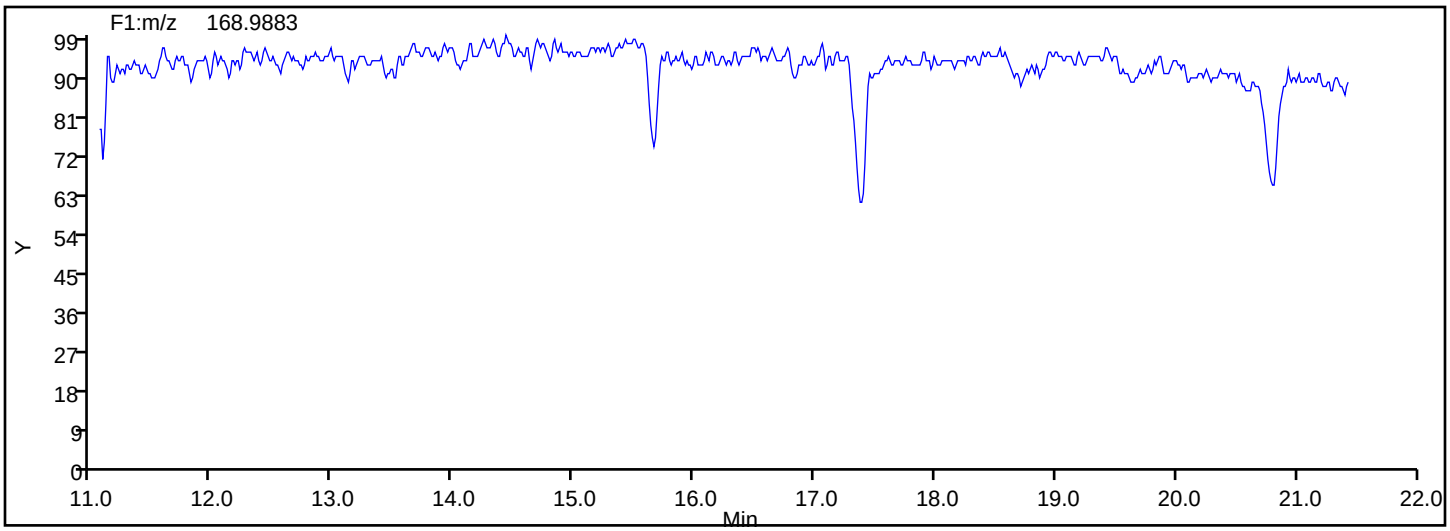
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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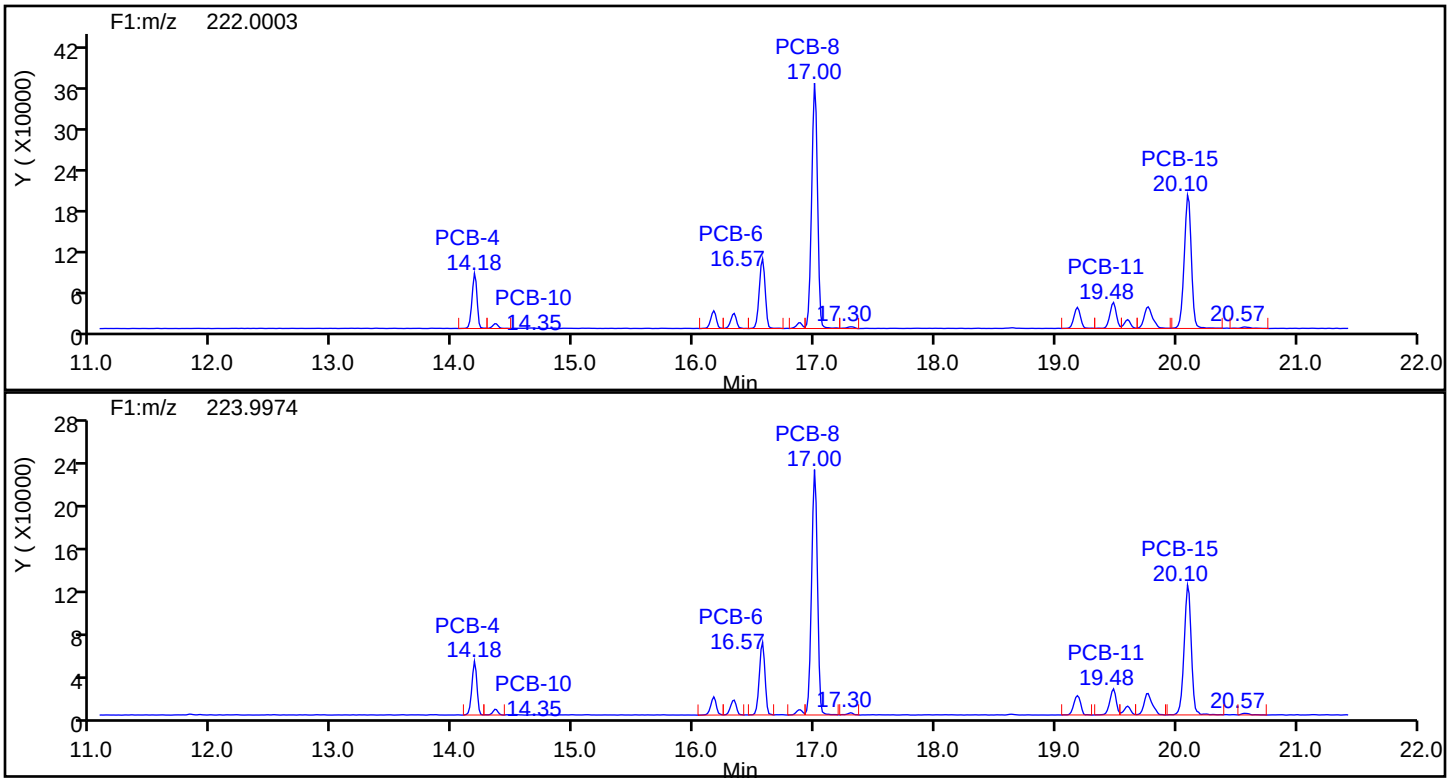
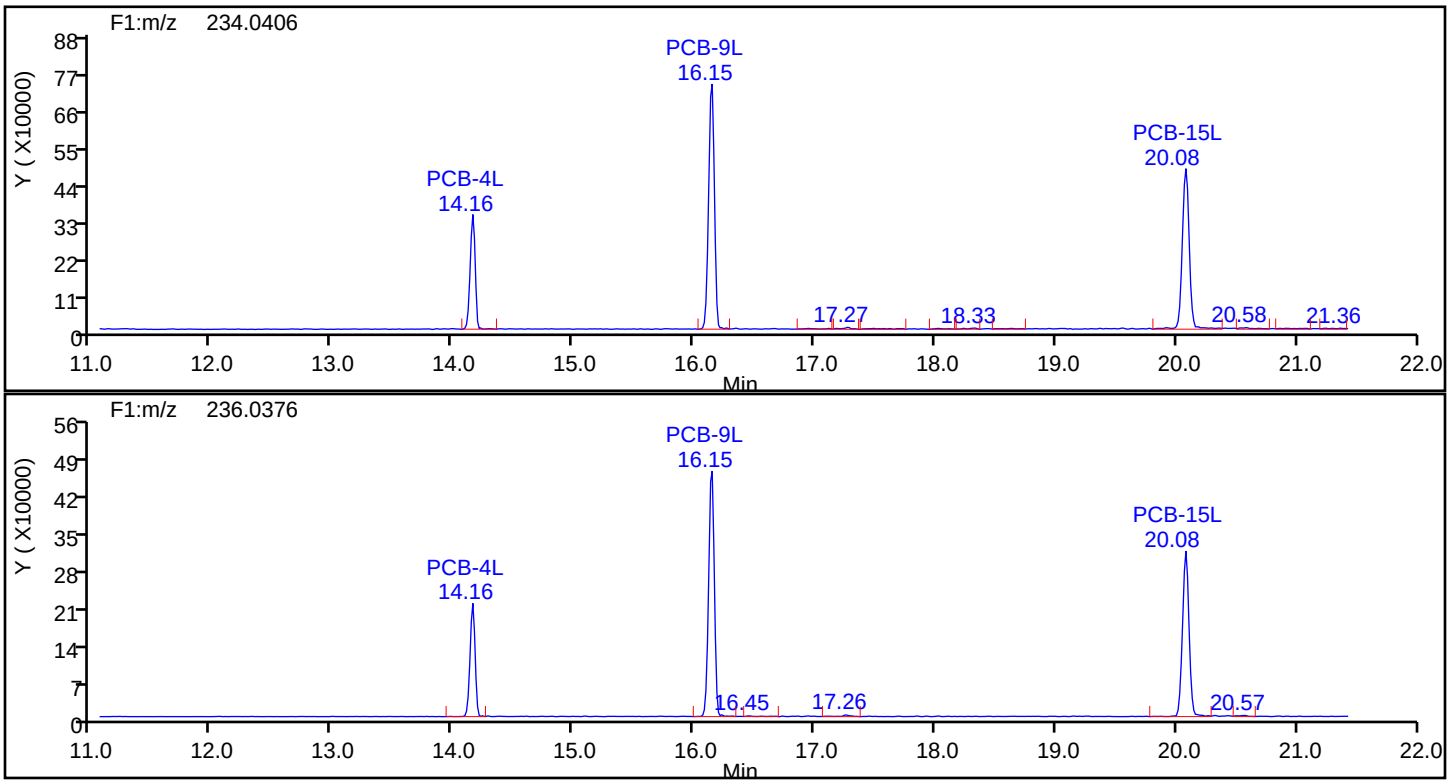
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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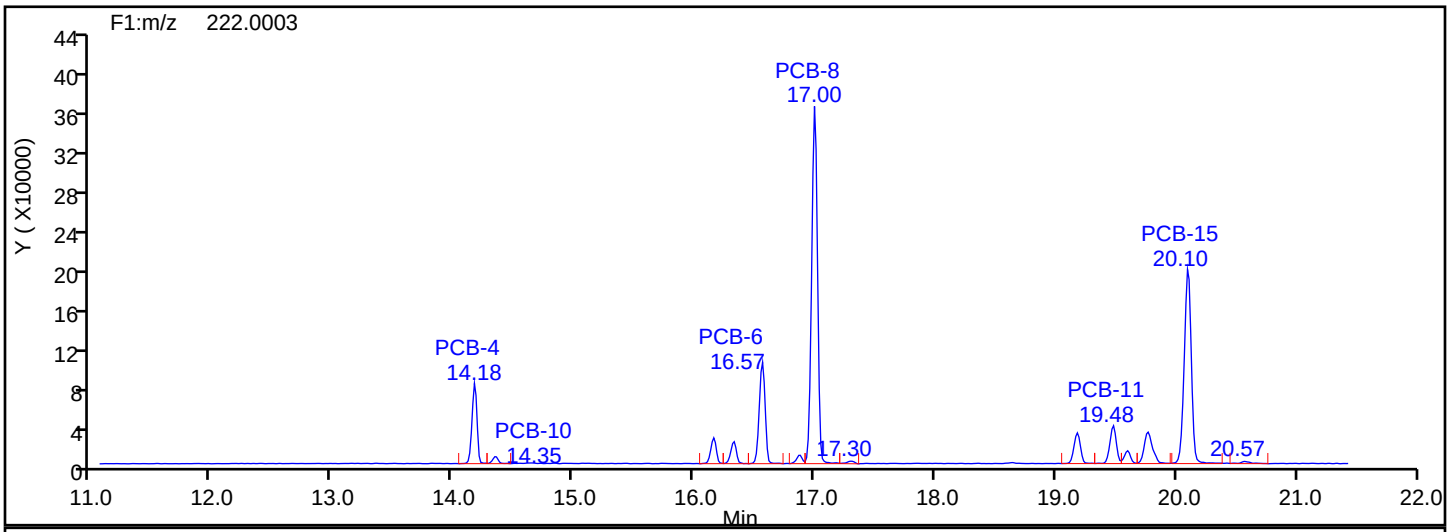
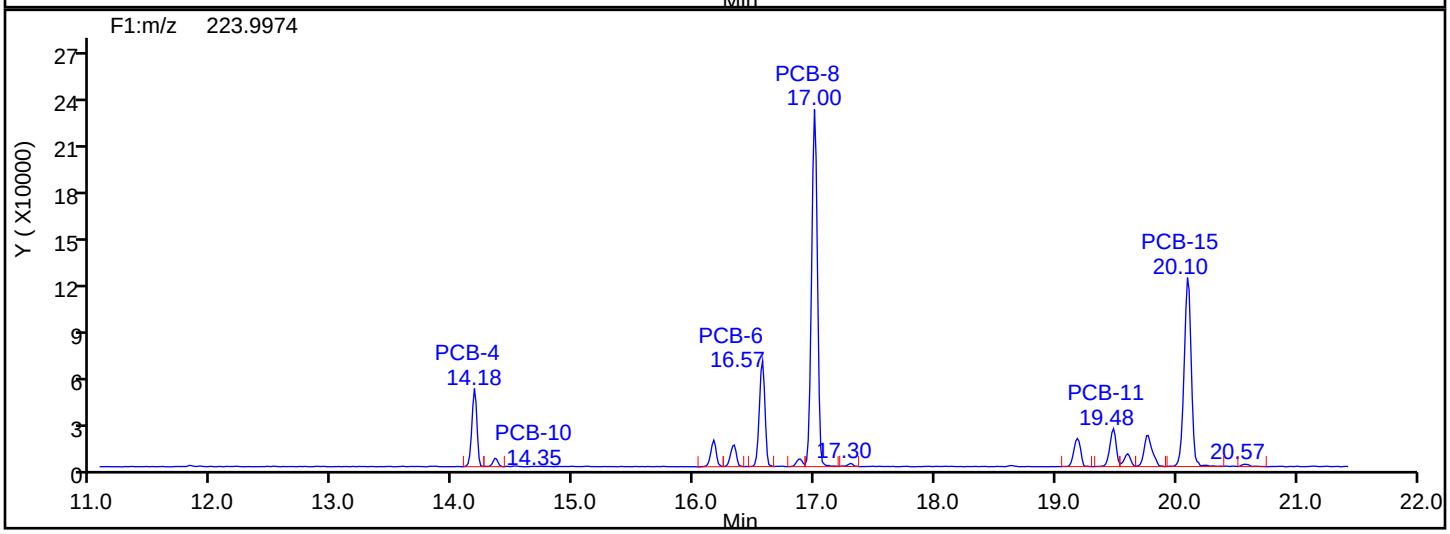
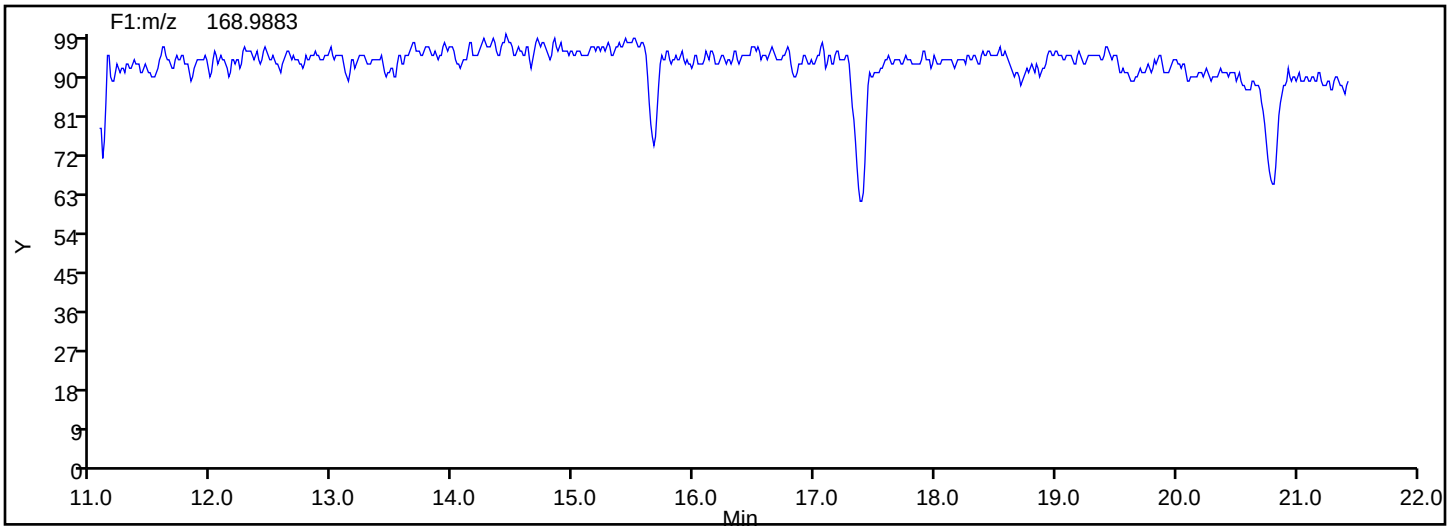
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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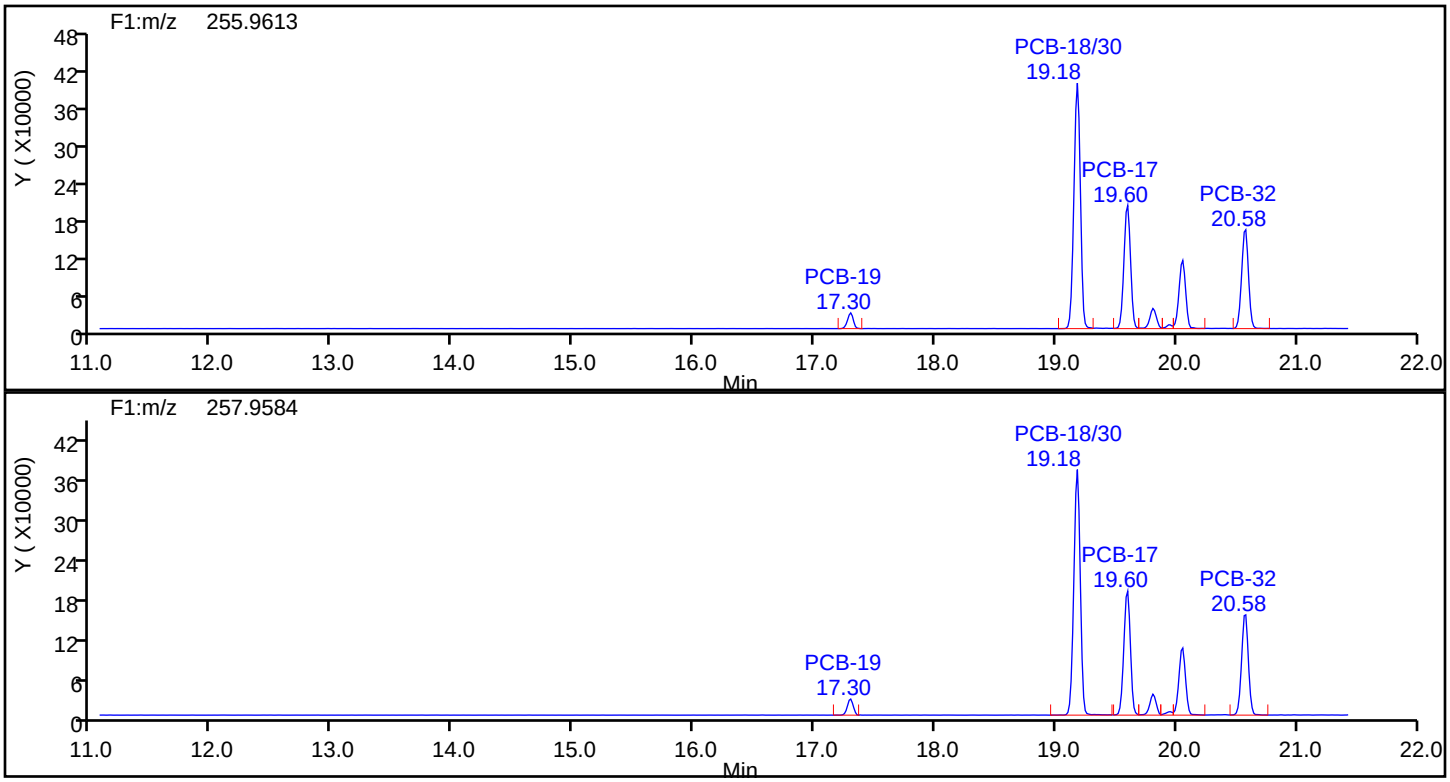
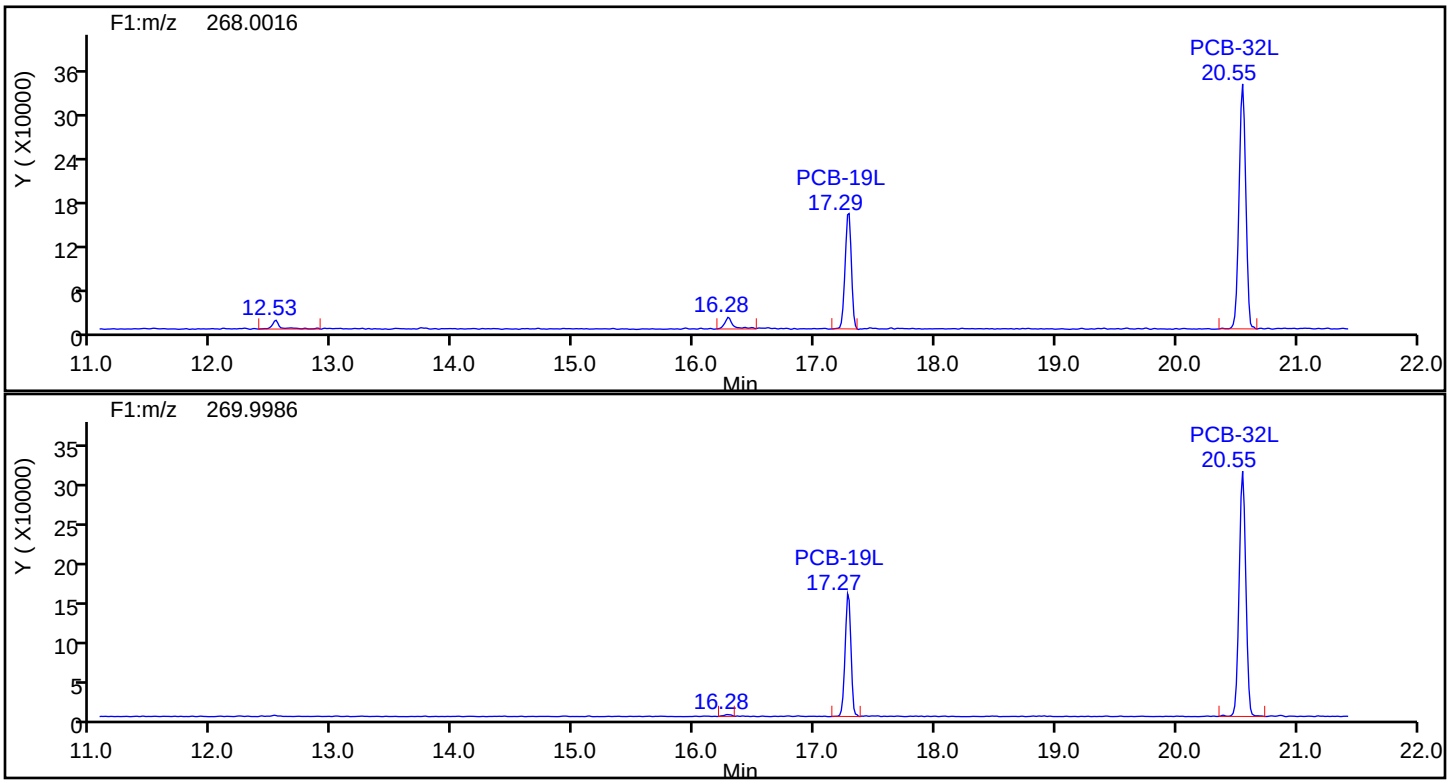
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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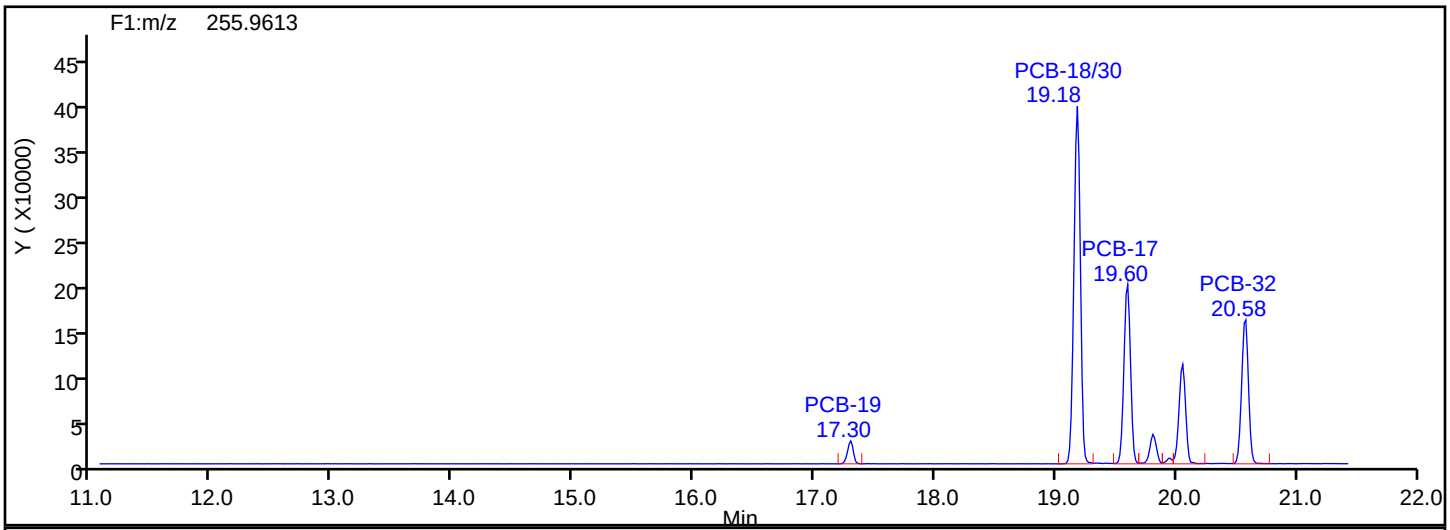
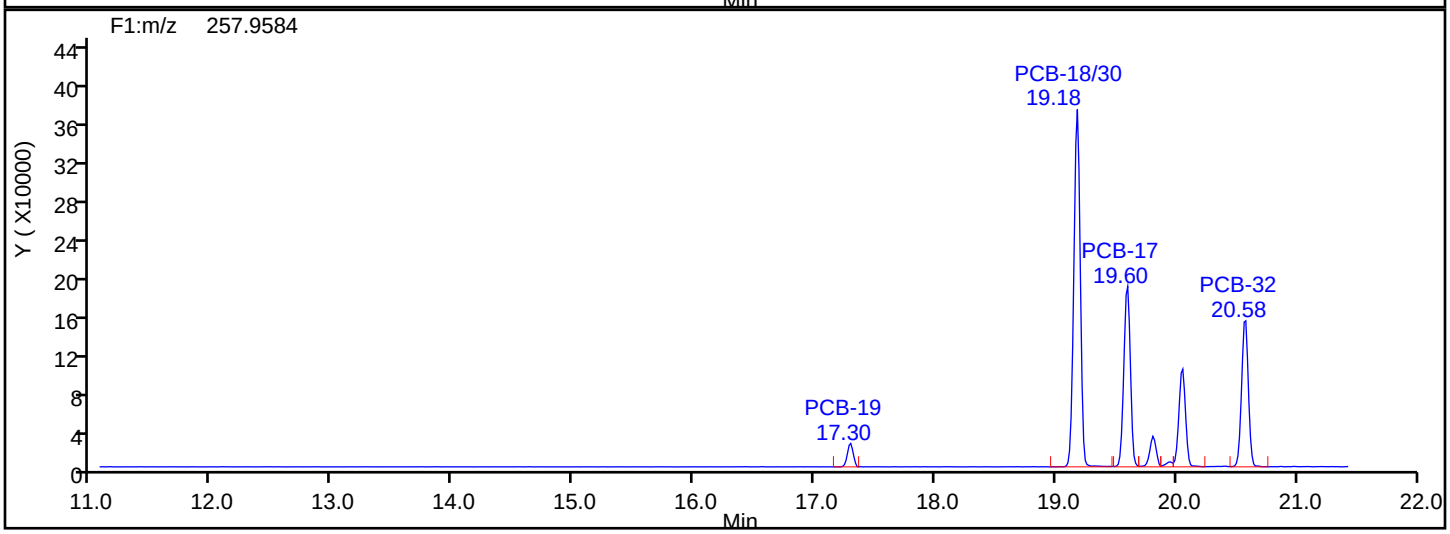
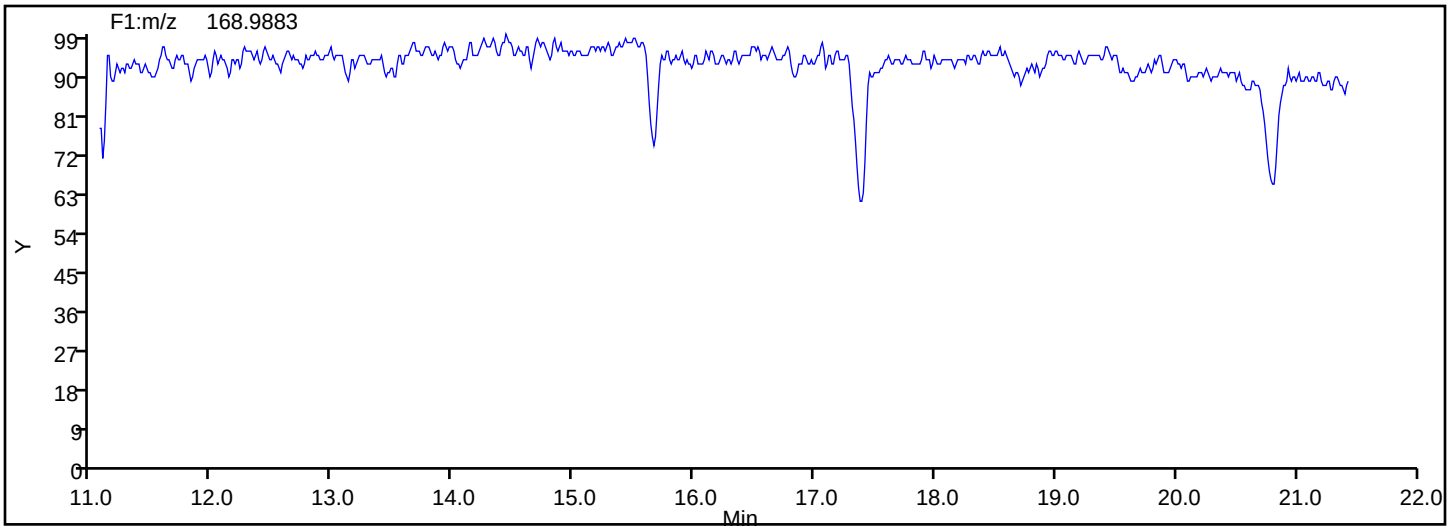
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



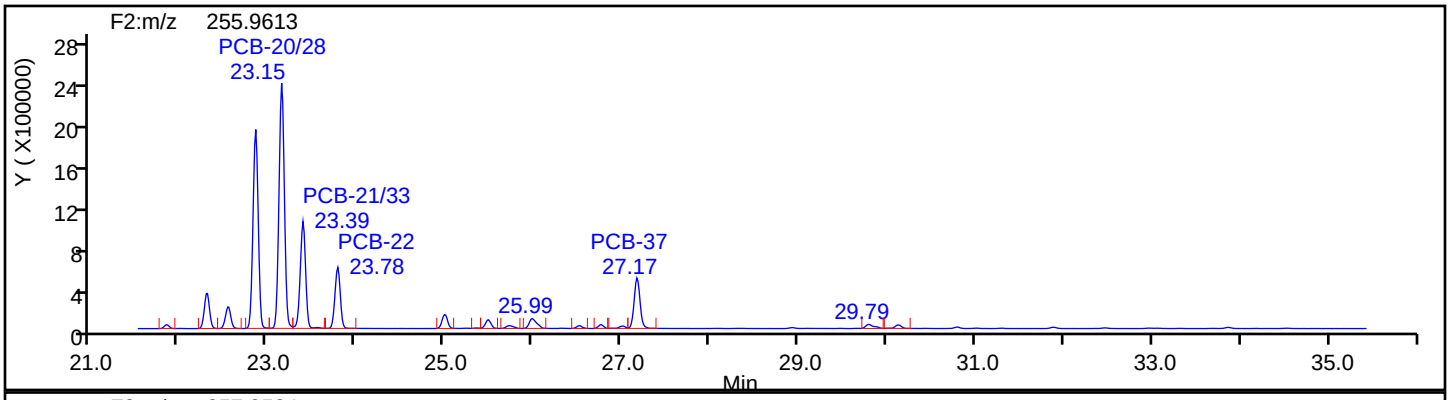

TriPCB F1 Lock Mass

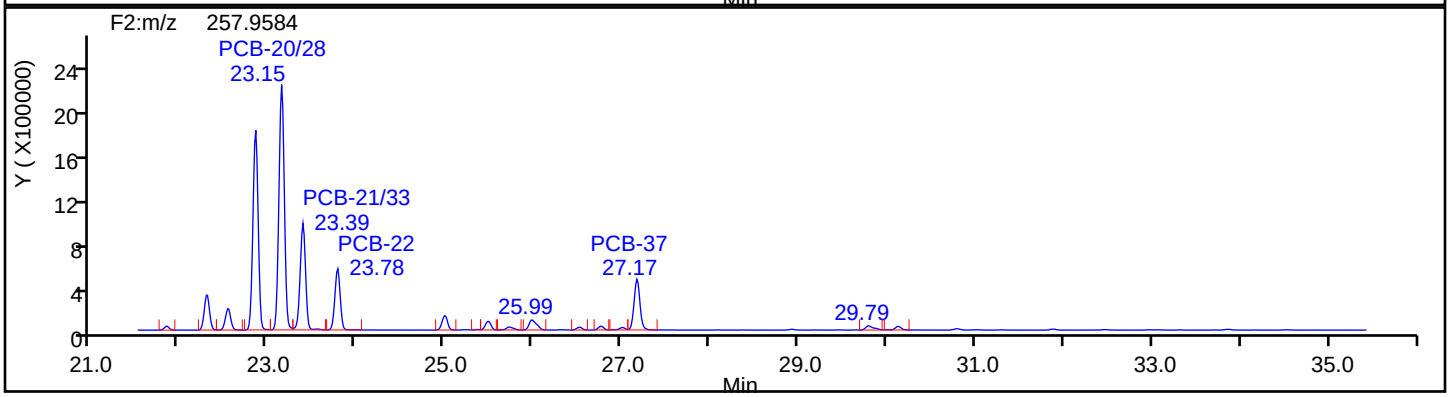


Eurofins TestAmerica, Knoxville

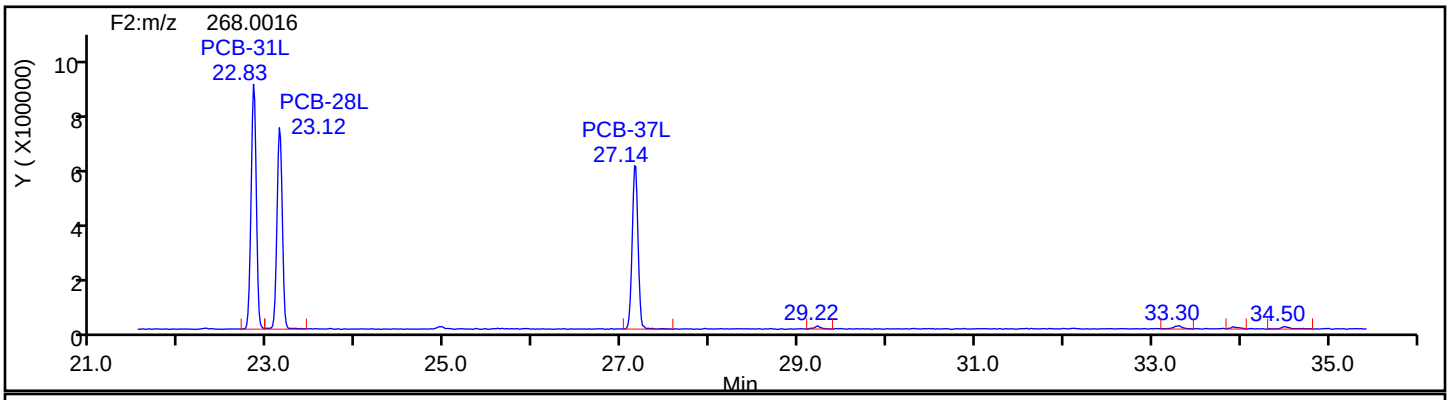
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

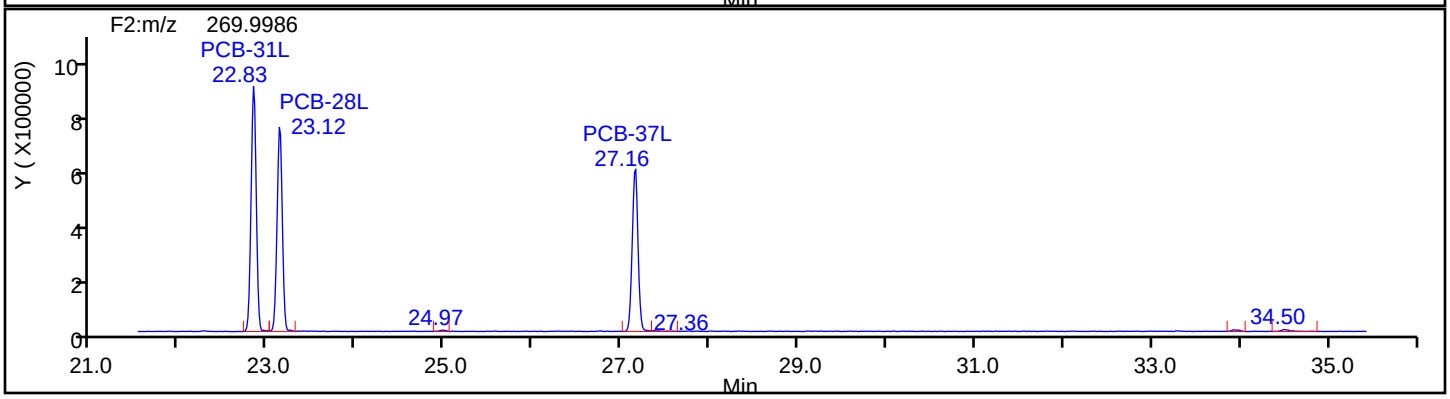
TriPCB F2




TriPCB F2 Standards

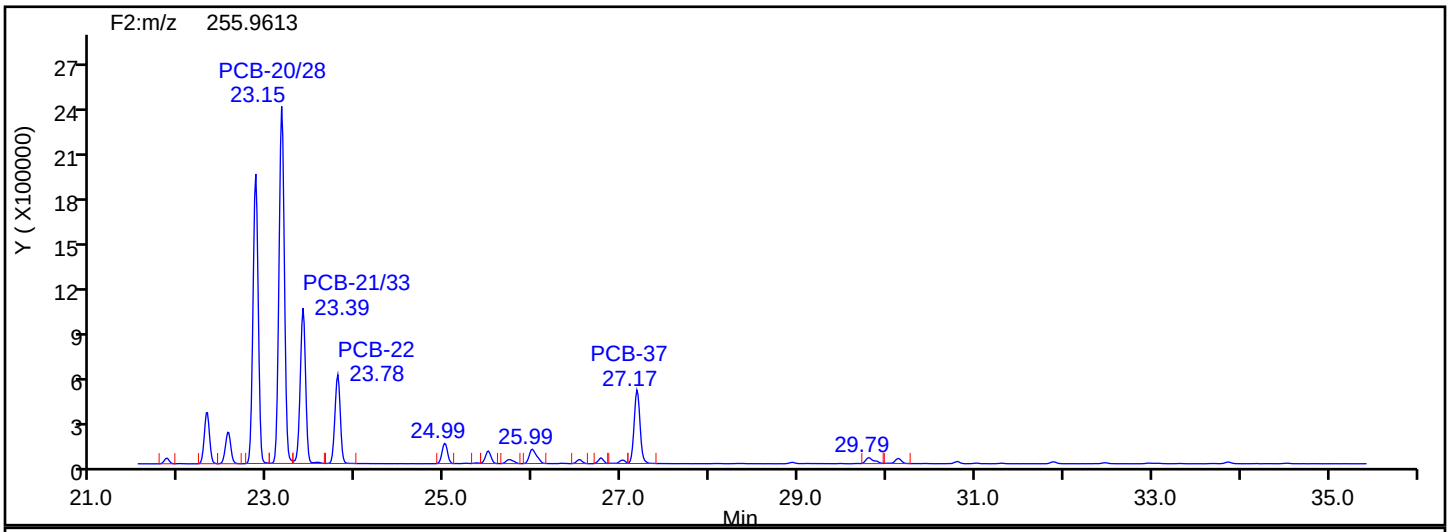


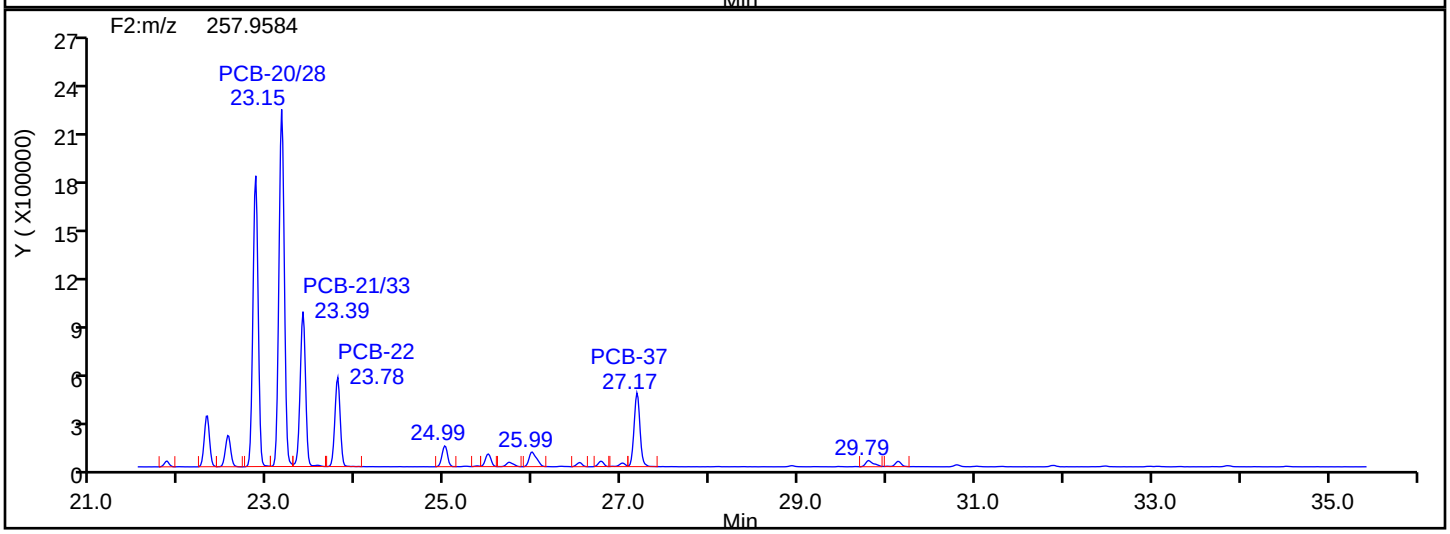



Eurofins TestAmerica, Knoxville

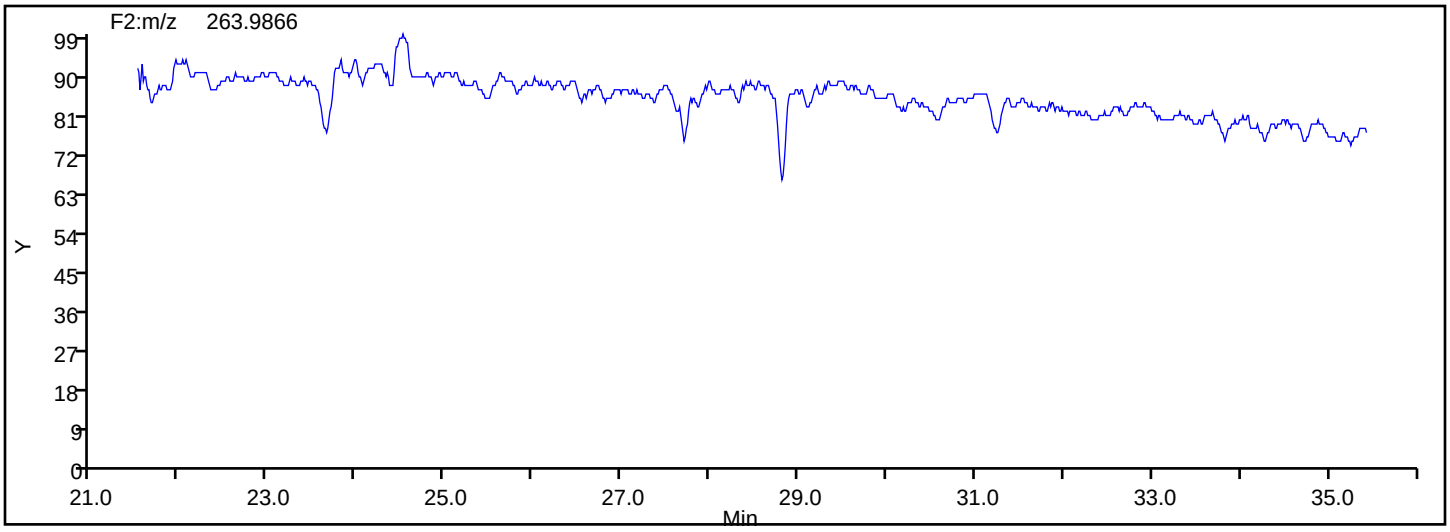
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

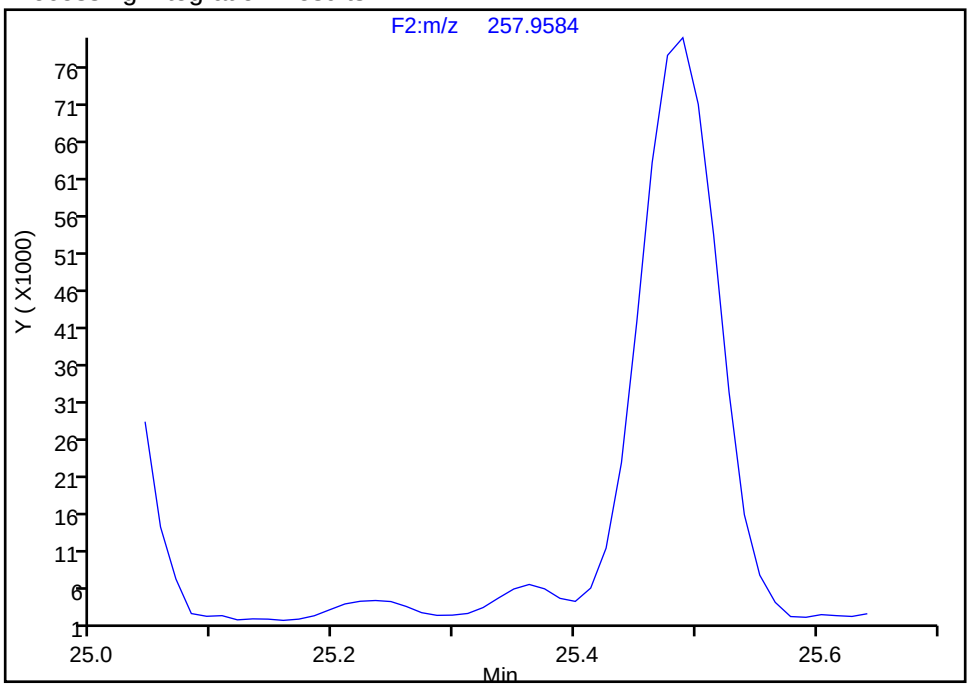
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

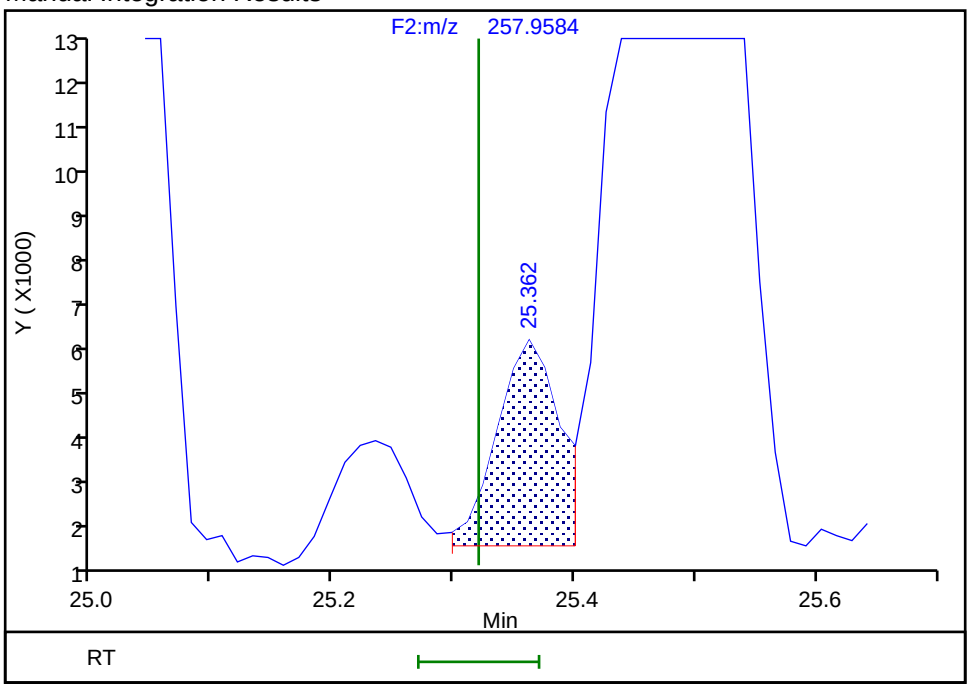
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.36
Area: 15260
Amount: 0.458308
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:17:03
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

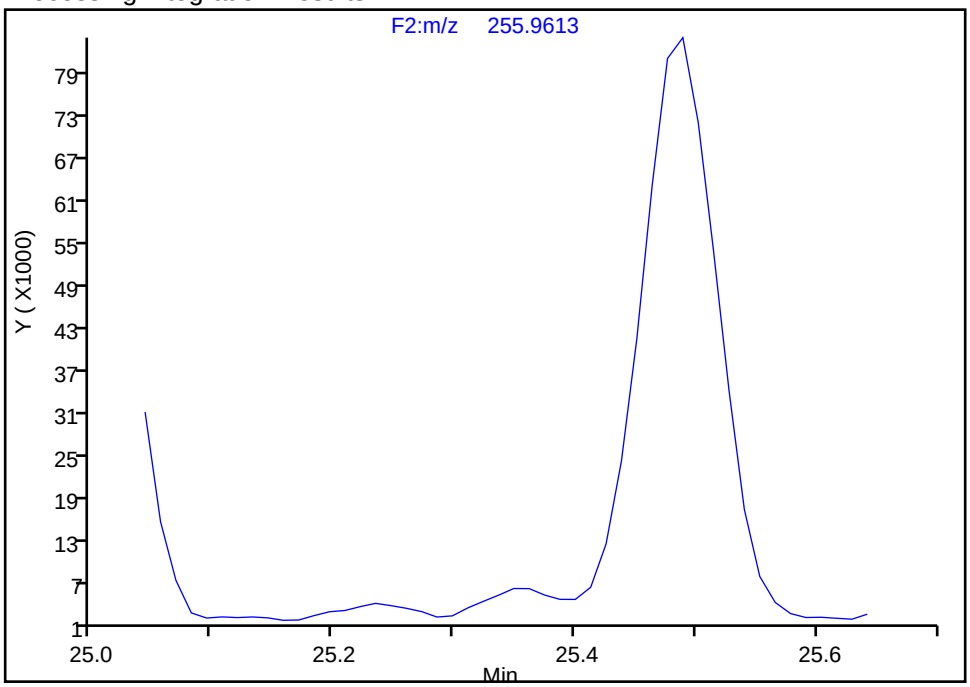
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

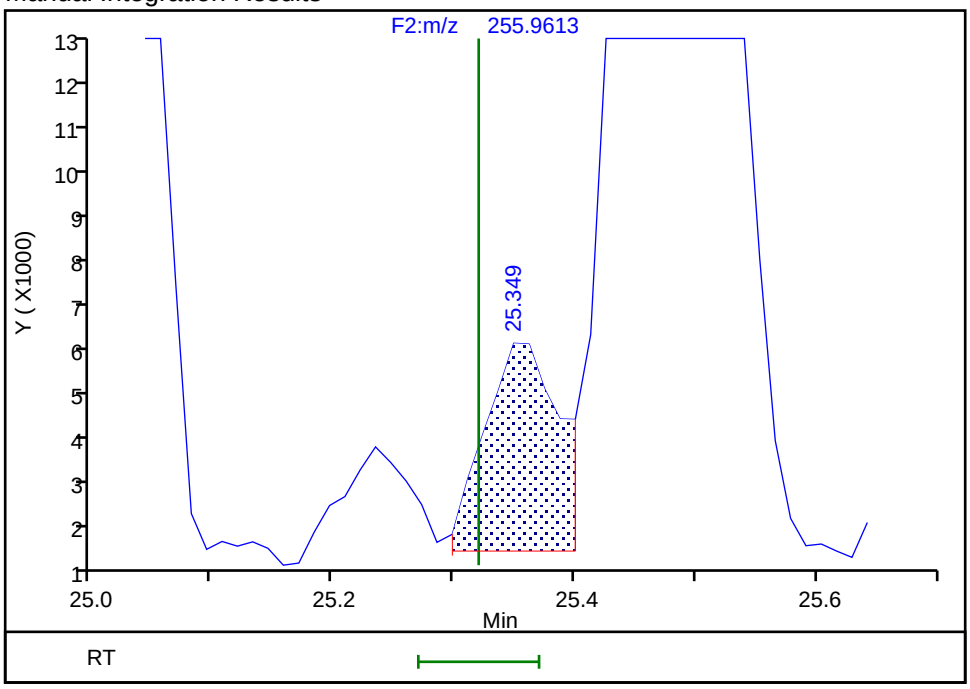
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.35
Area: 17475
Amount: 0.458308
Amount Units: pg/ul

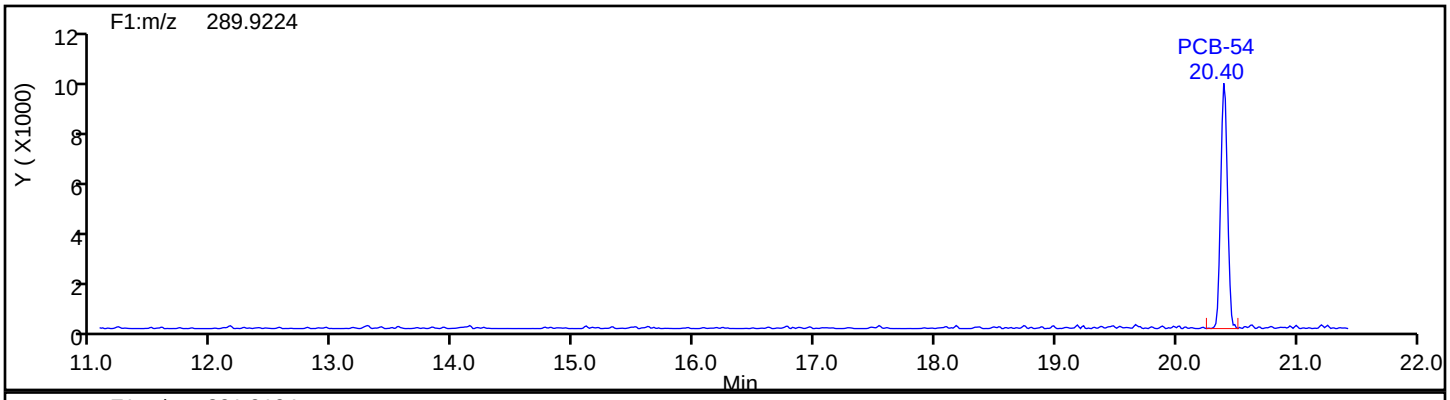


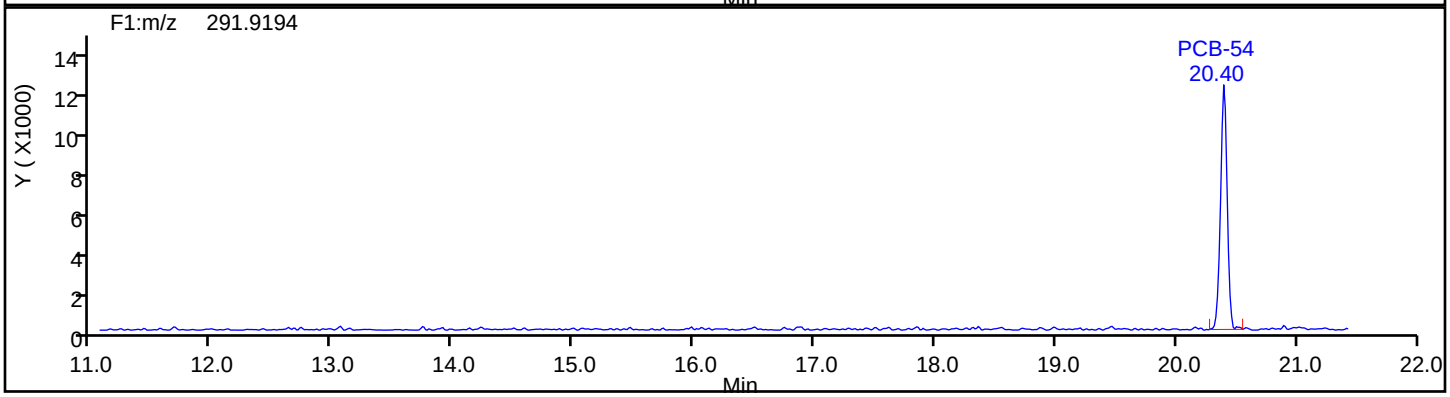

Reviewer: mcwhirterl, 09-Oct-2019 23:17:07
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

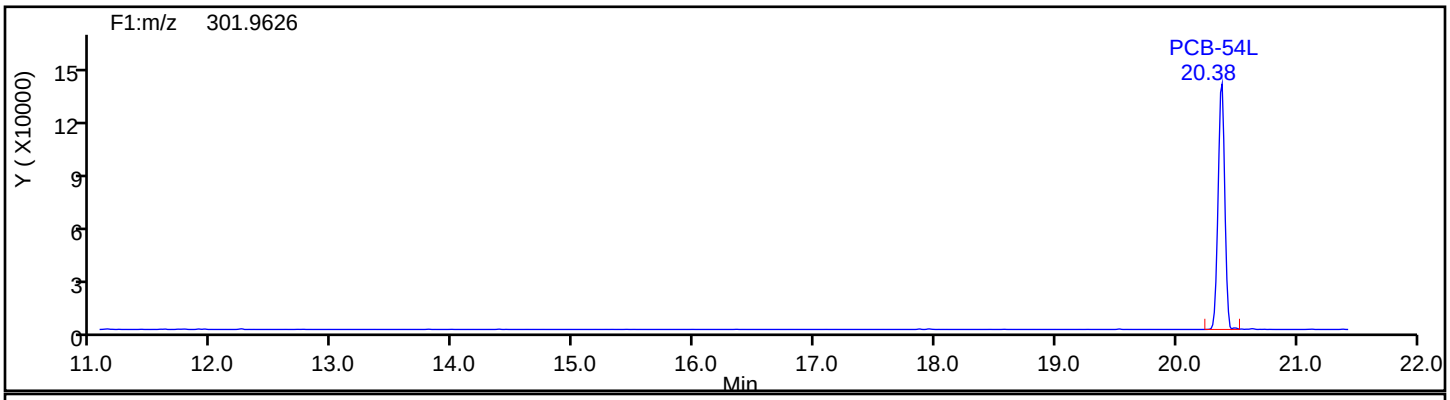
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

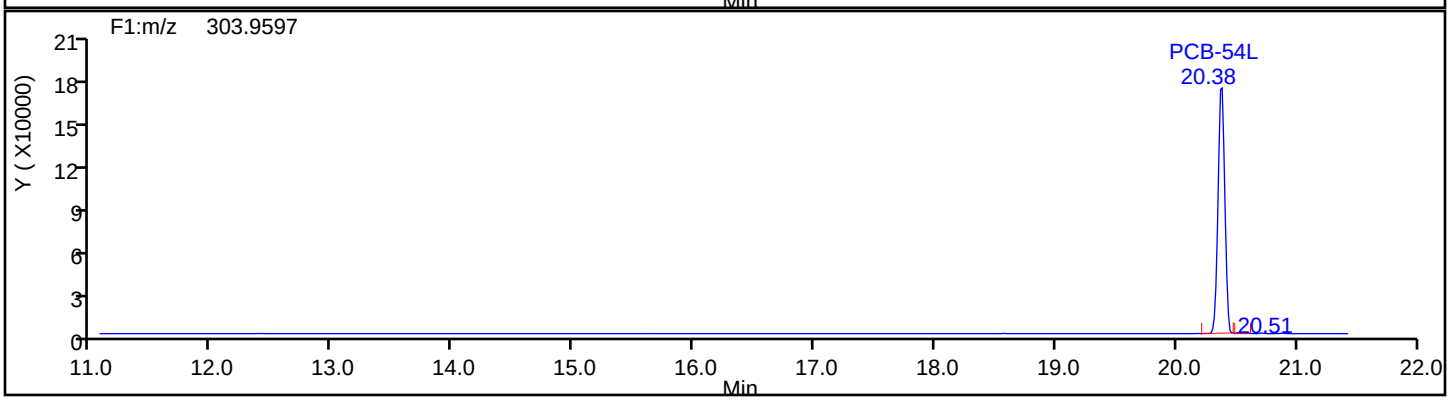
TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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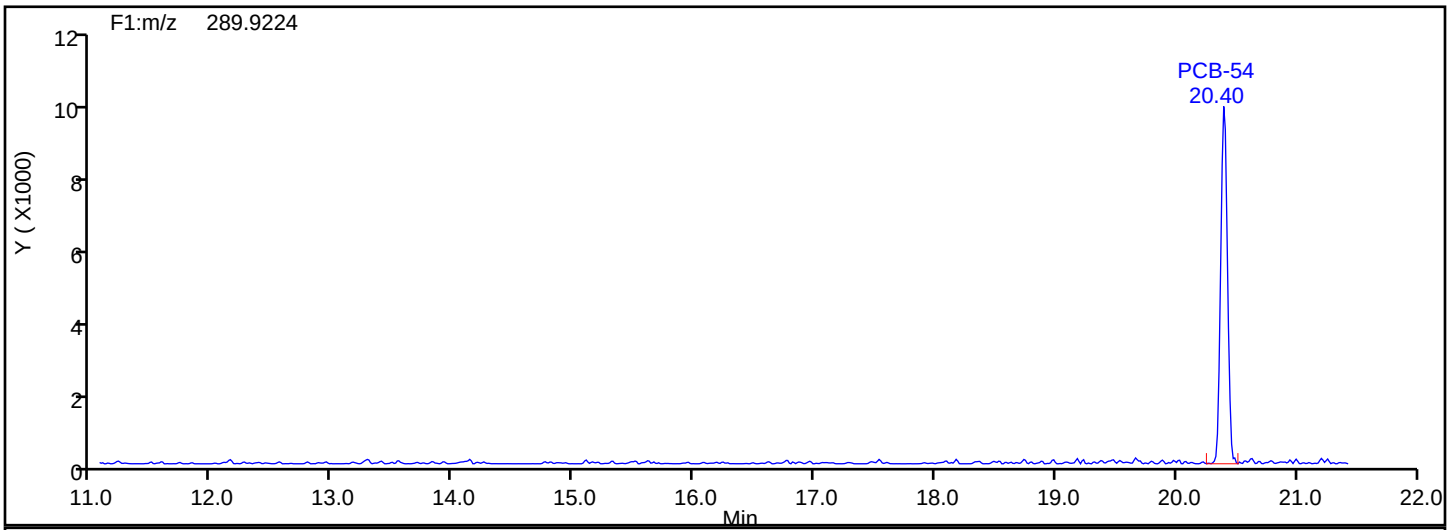
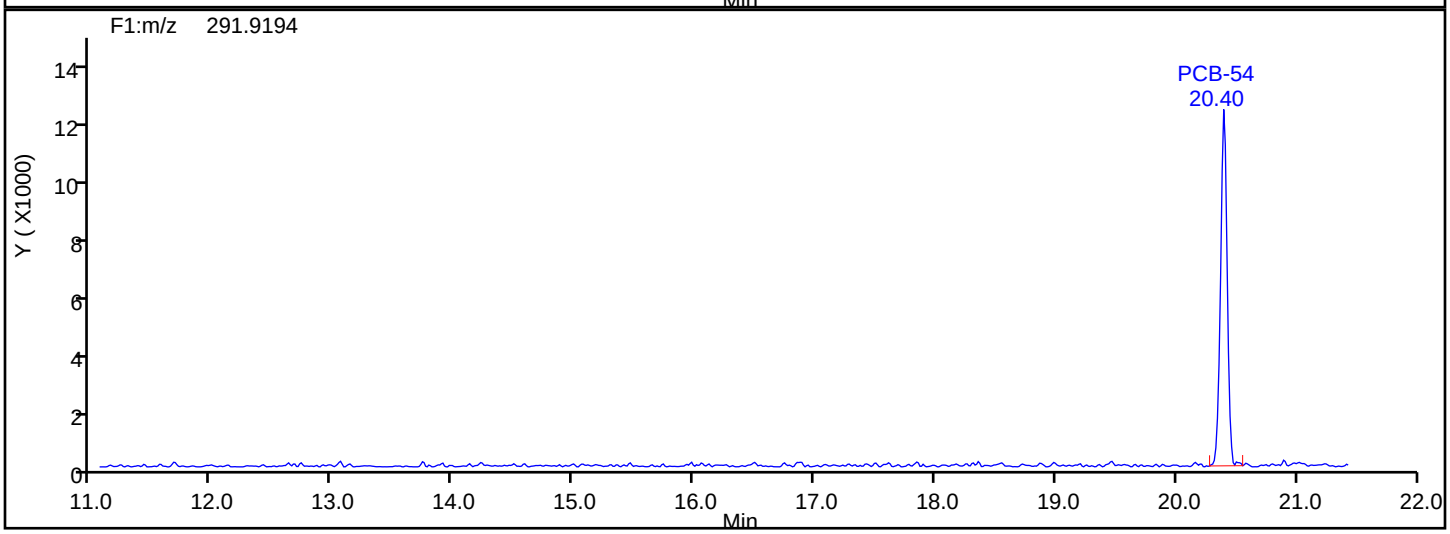
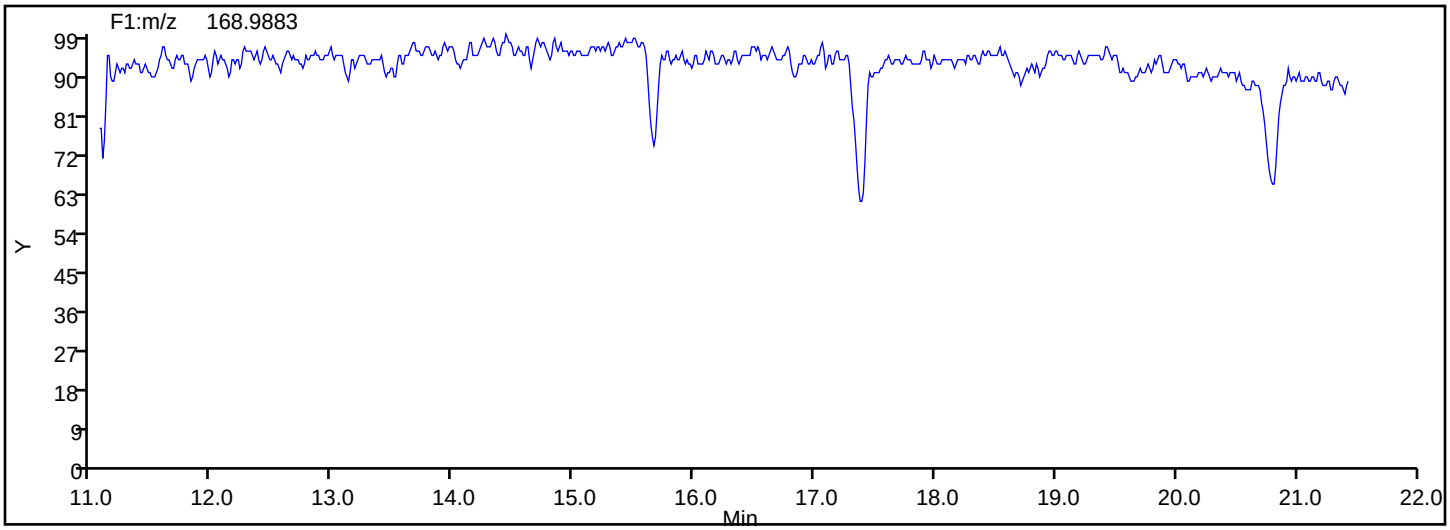
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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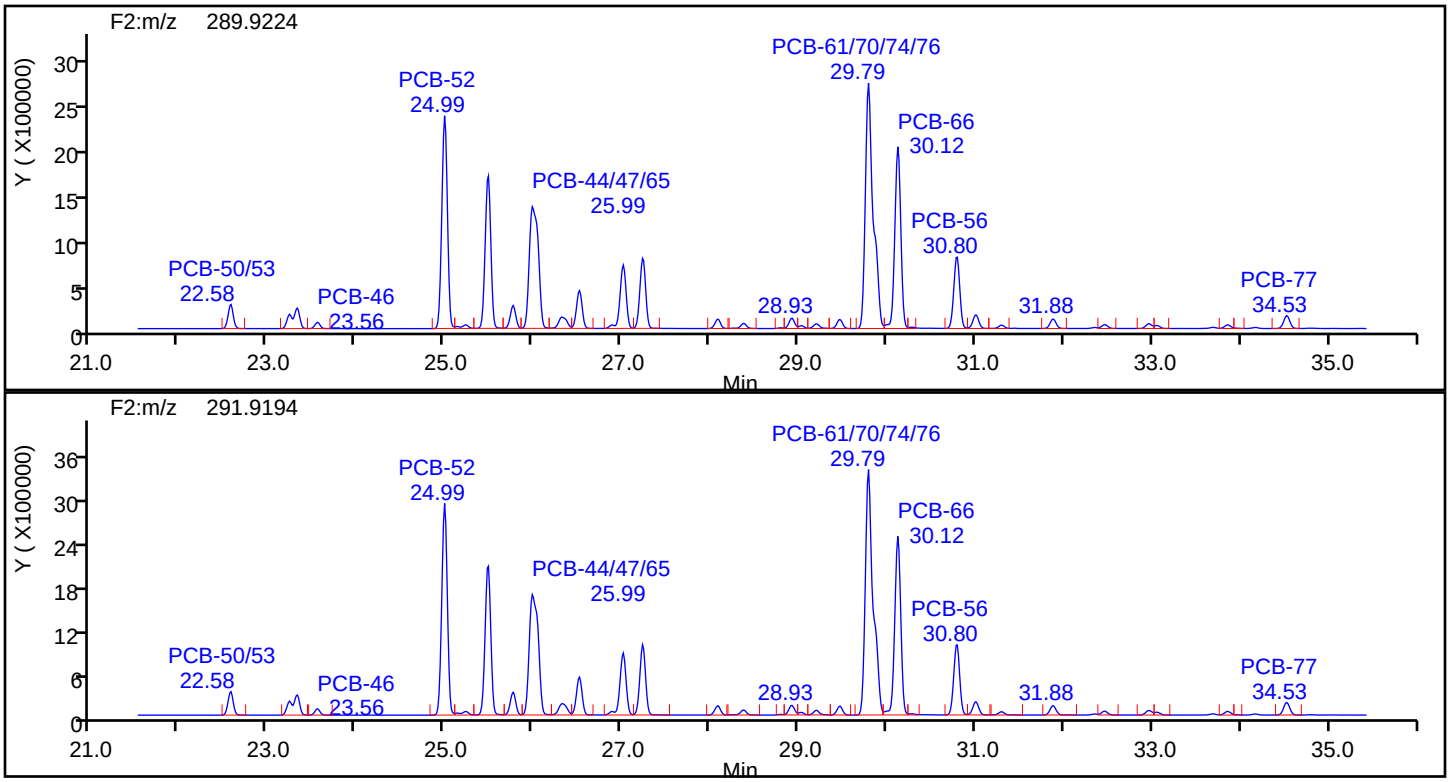
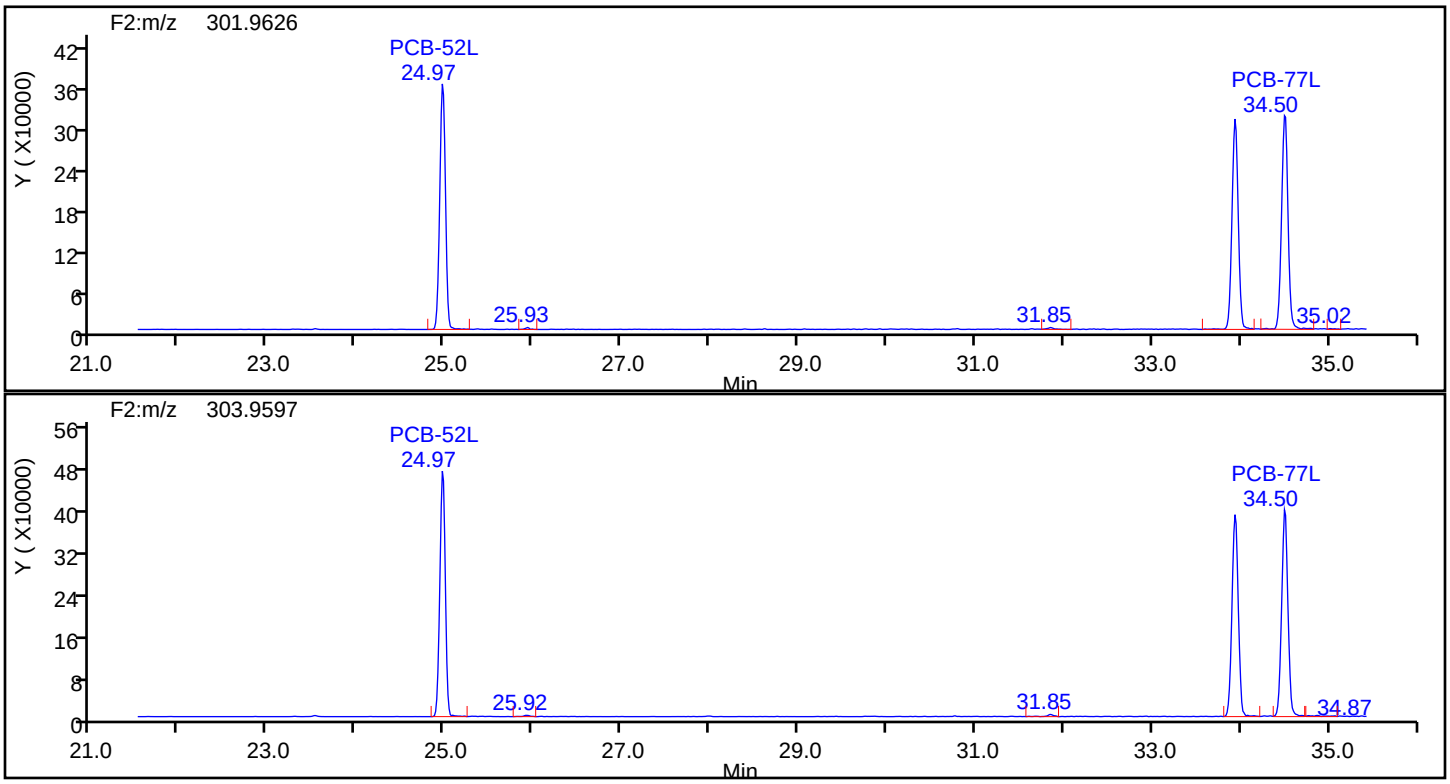
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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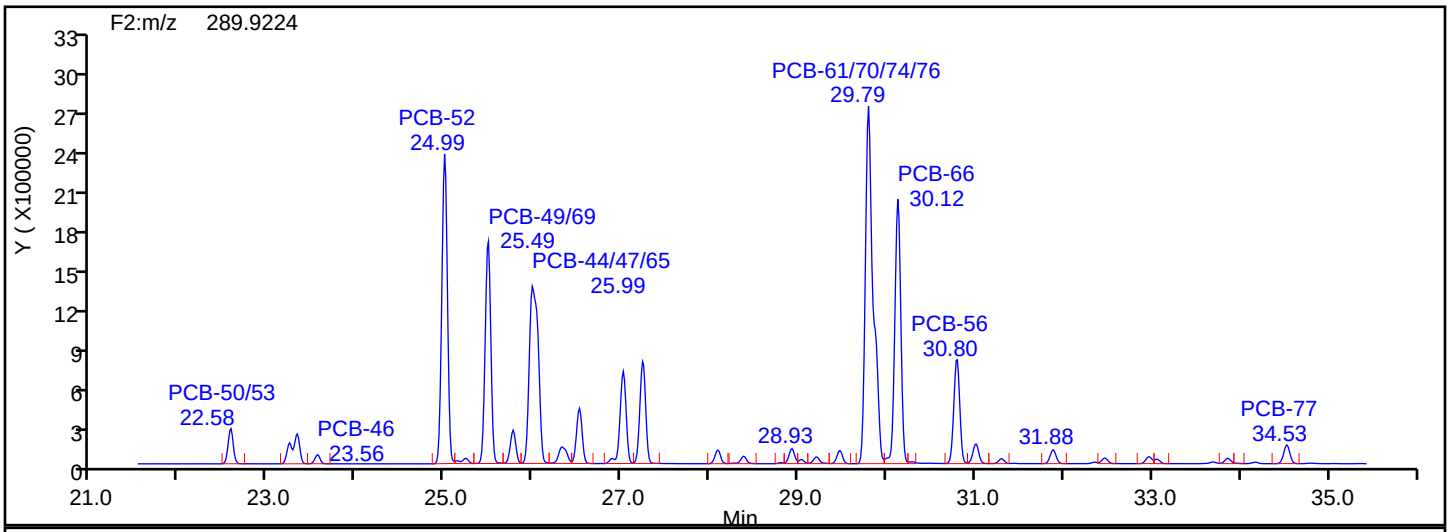
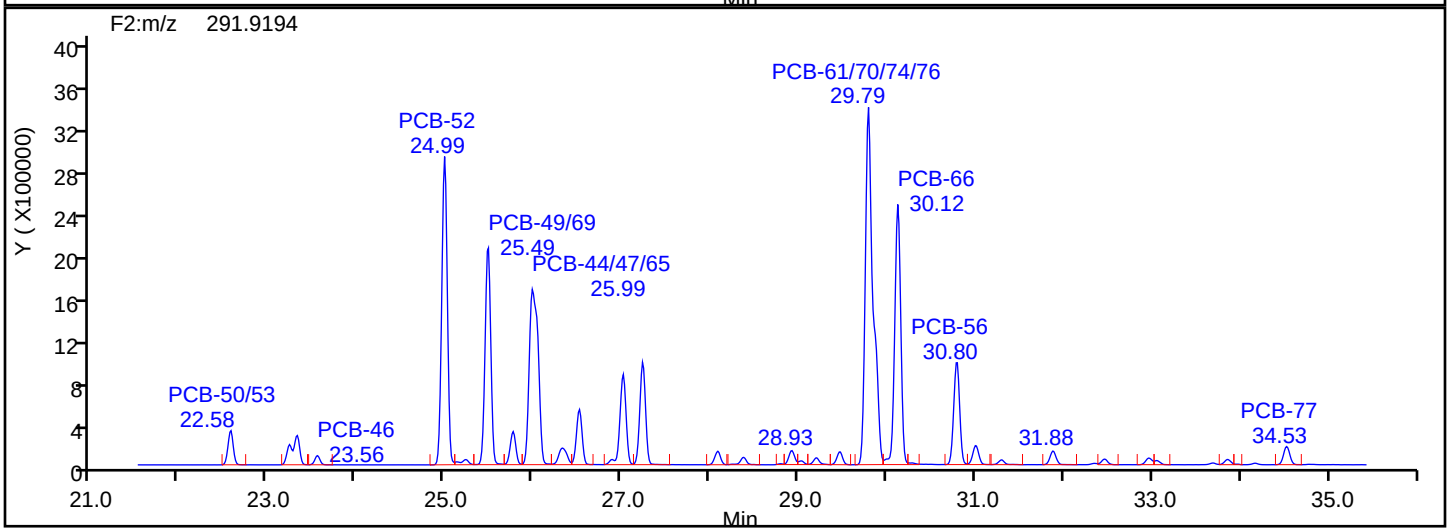
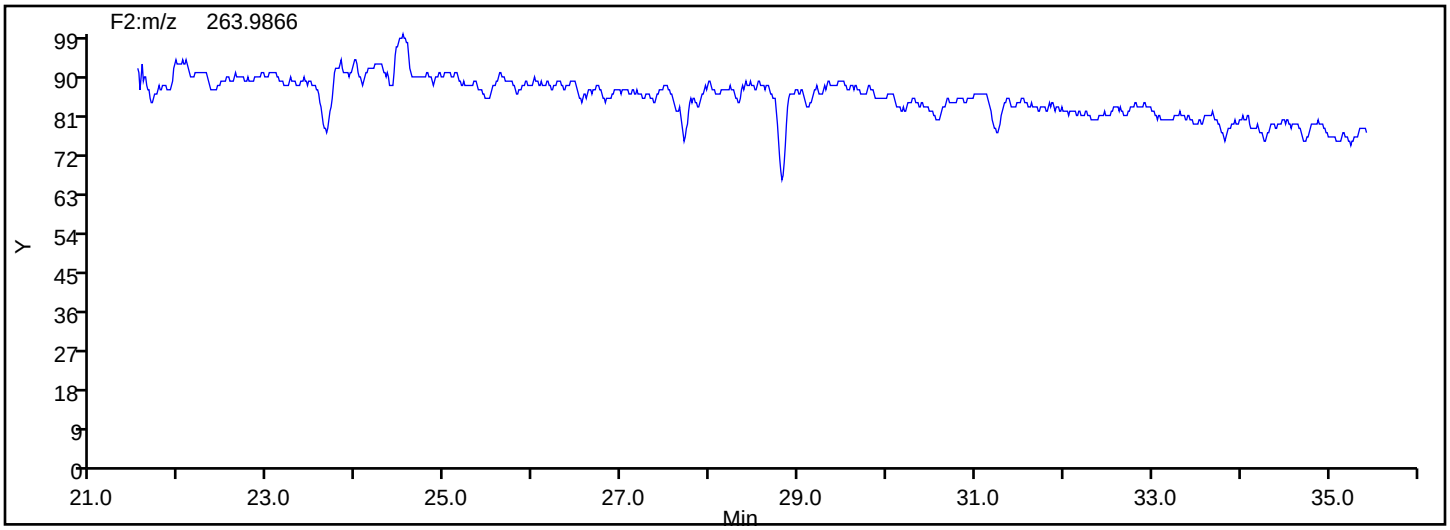
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

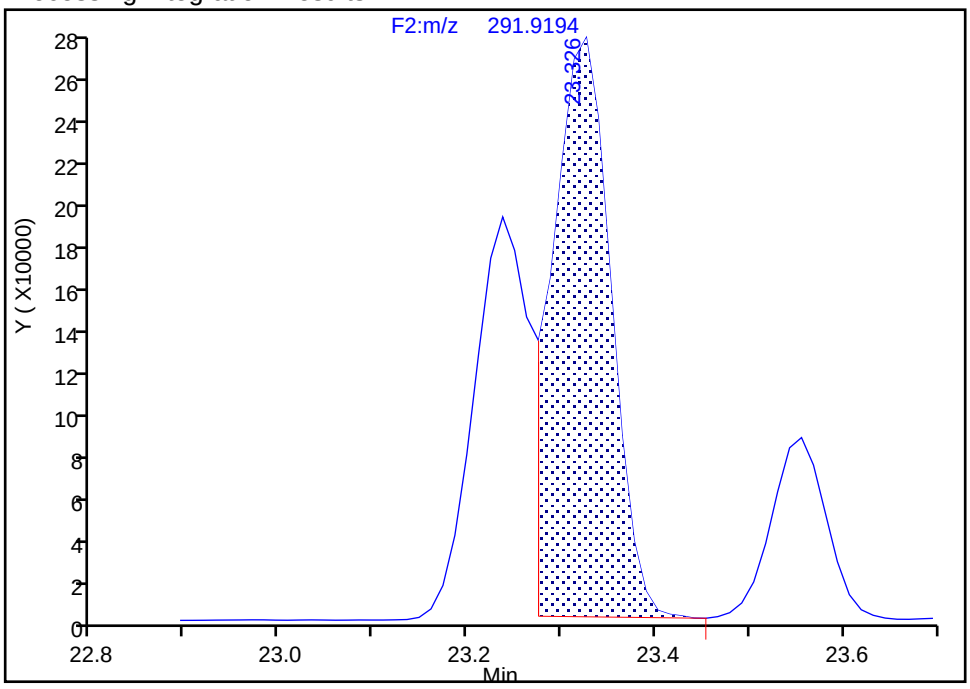
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

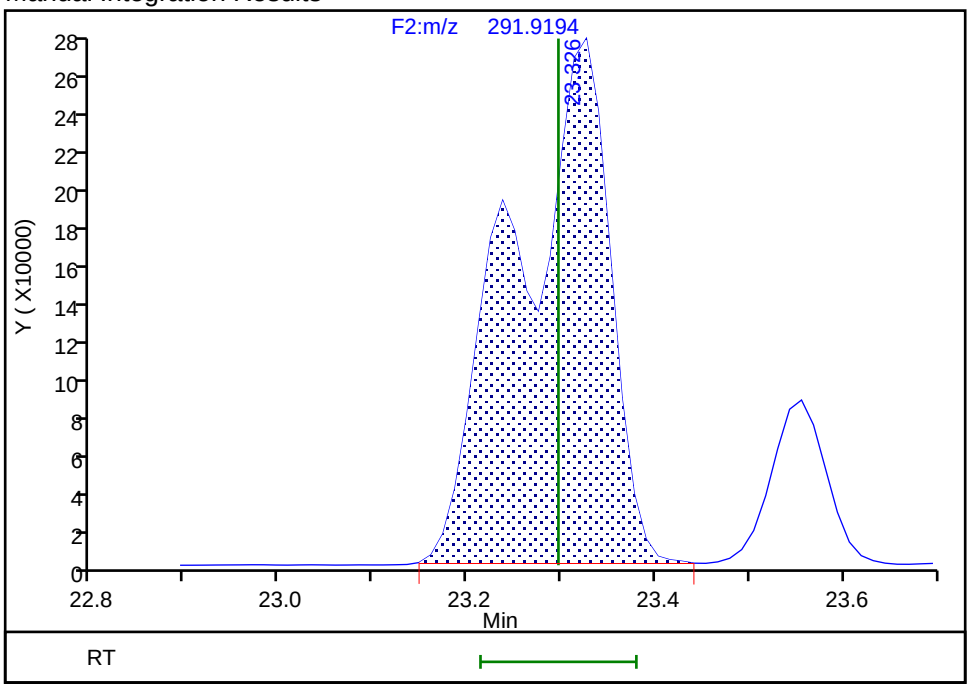
Processing Integration Results

RT: 23.33
Area: 1171109
Amount: 67.540770
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 1953923
Amount: 113.2988
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:17:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

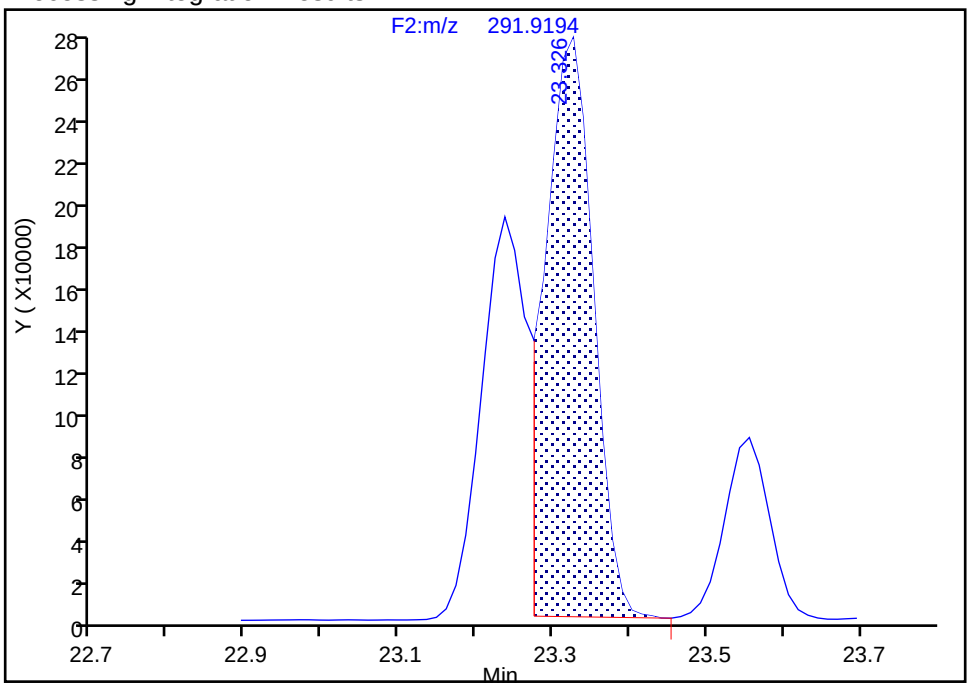
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.33
Area: 2099455
Amount: 67.540770
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 3521811
Amount: 113.2988
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:17:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

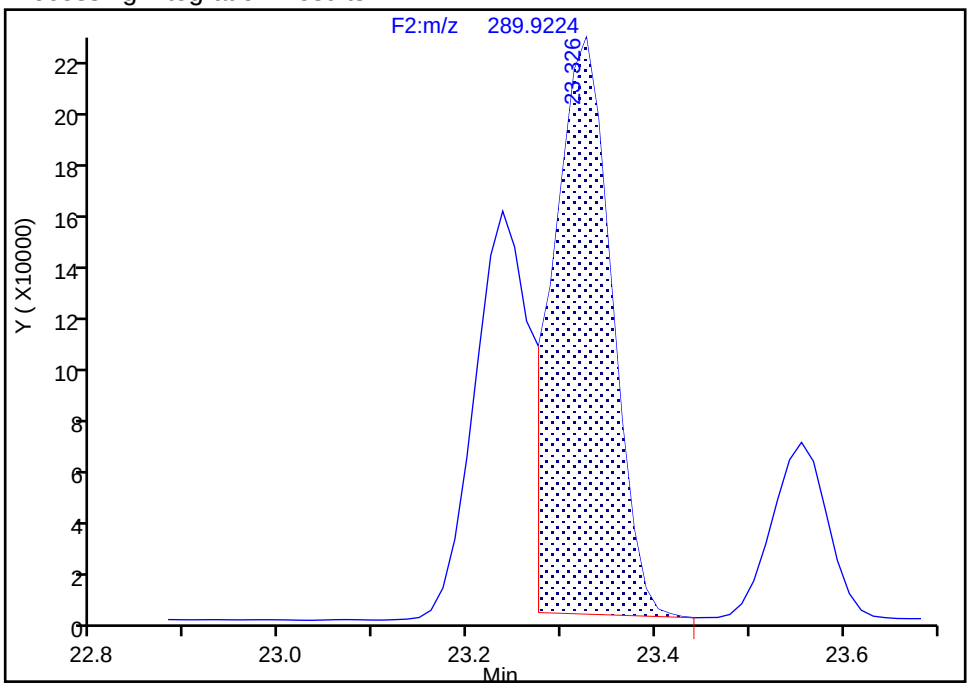
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

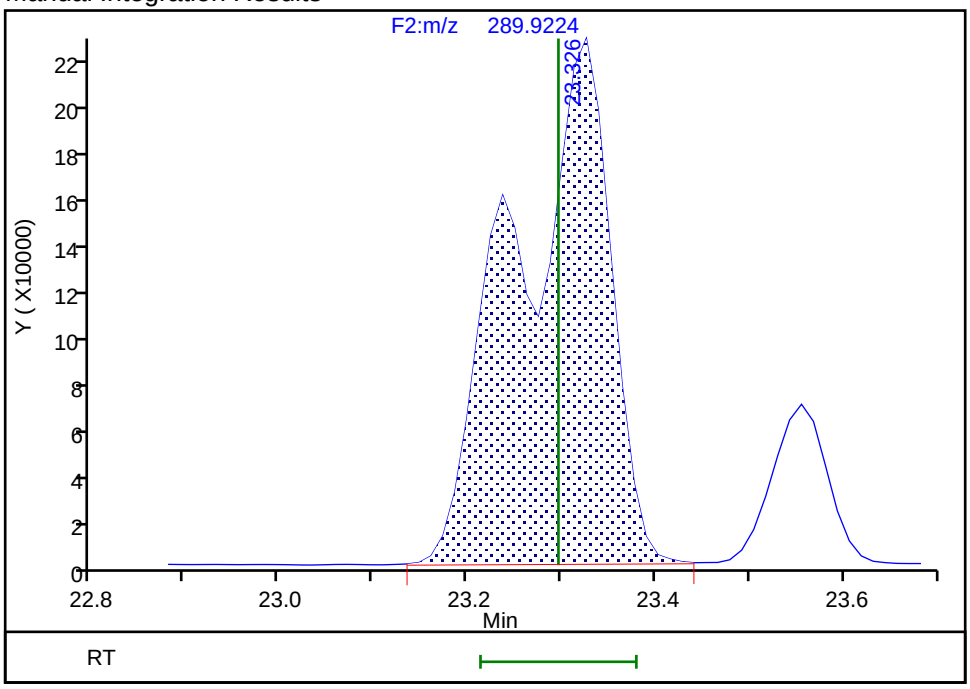
Processing Integration Results

RT: 23.33
Area: 928346
Amount: 67.540770
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 1567888
Amount: 113.2988
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:17:45

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

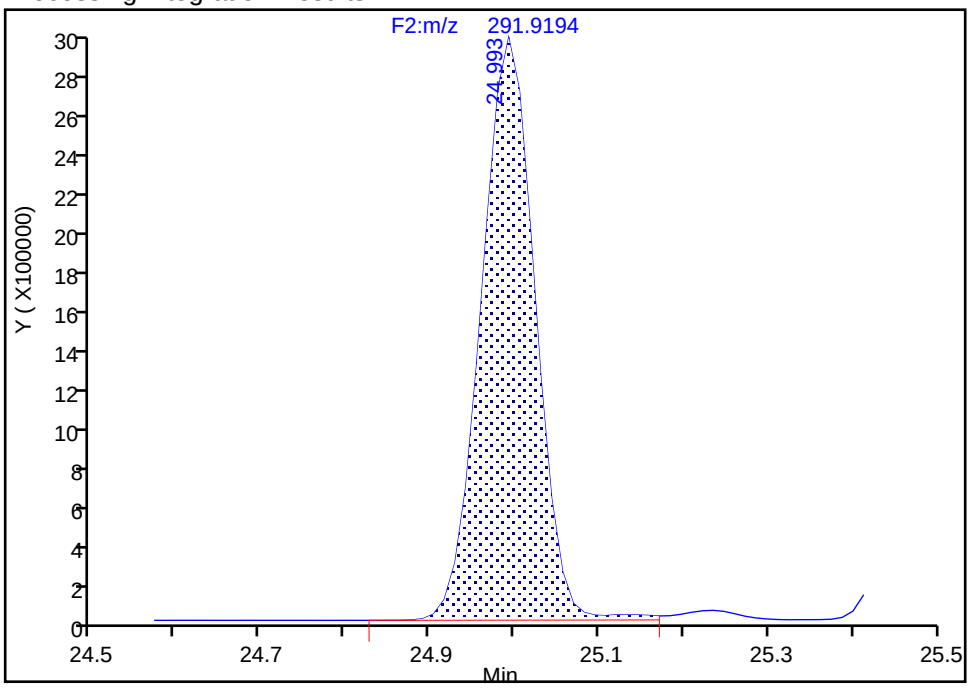
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

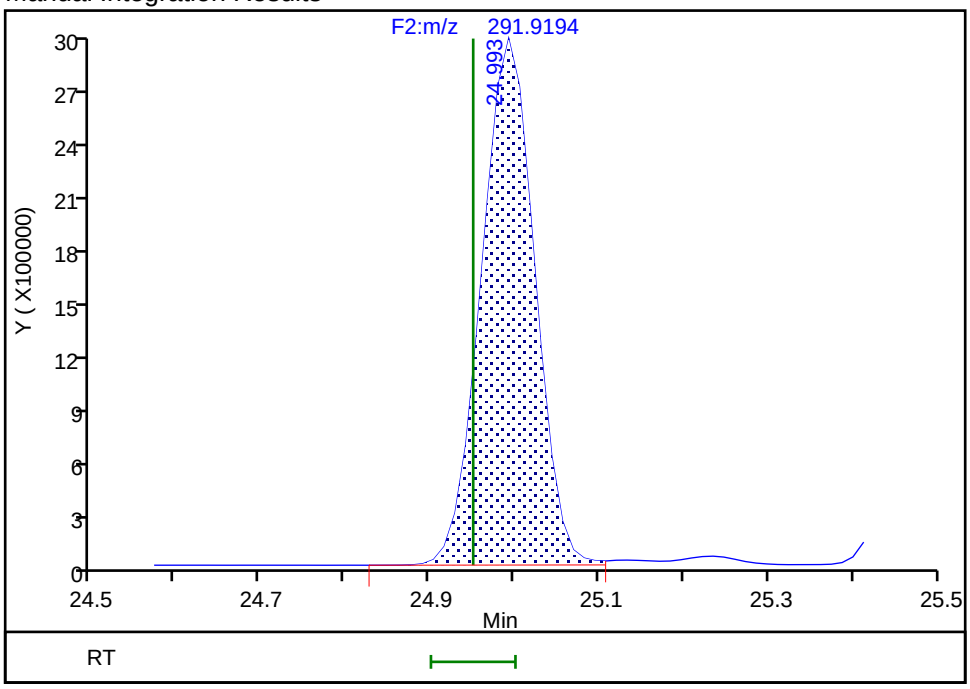
Processing Integration Results

RT: 24.99
Area: 12958734
Amount: 732.9392
Amount Units: pg/ul




Manual Integration Results

RT: 24.99
Area: 12866201
Amount: 730.0094
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:18:02

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

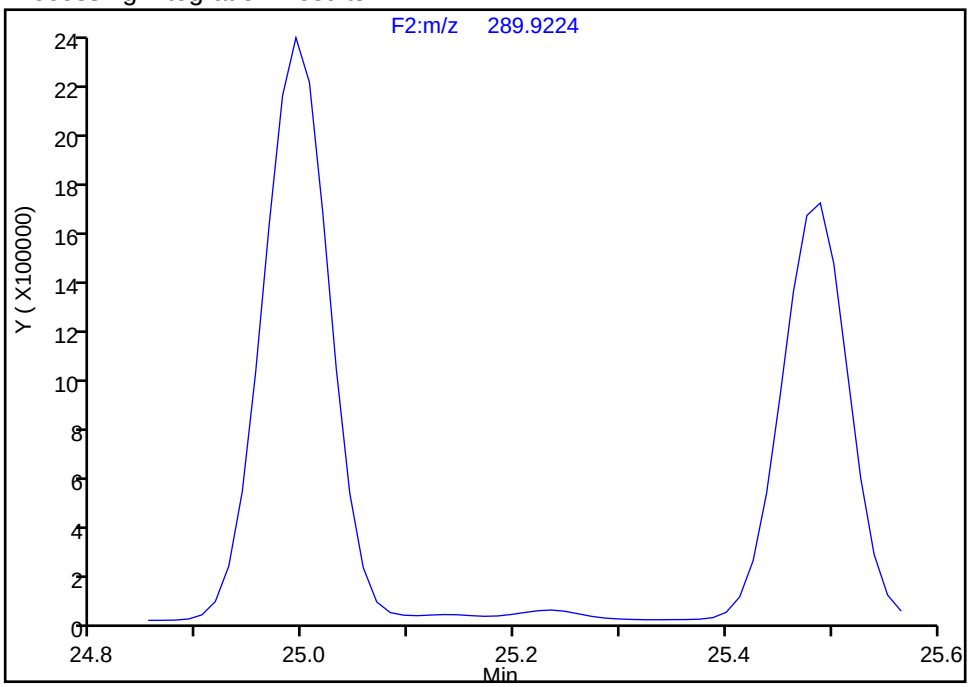
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

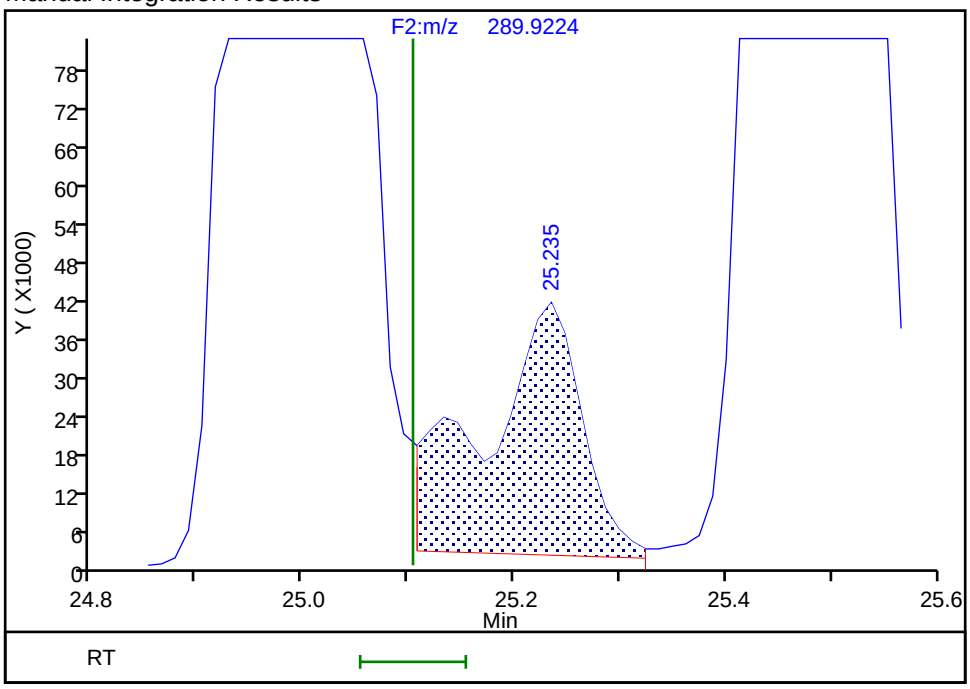
Not Detected
Expected RT: 25.10

Processing Integration Results




Manual Integration Results

RT: 25.23
Area: 253161
Amount: 16.670499
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:18:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

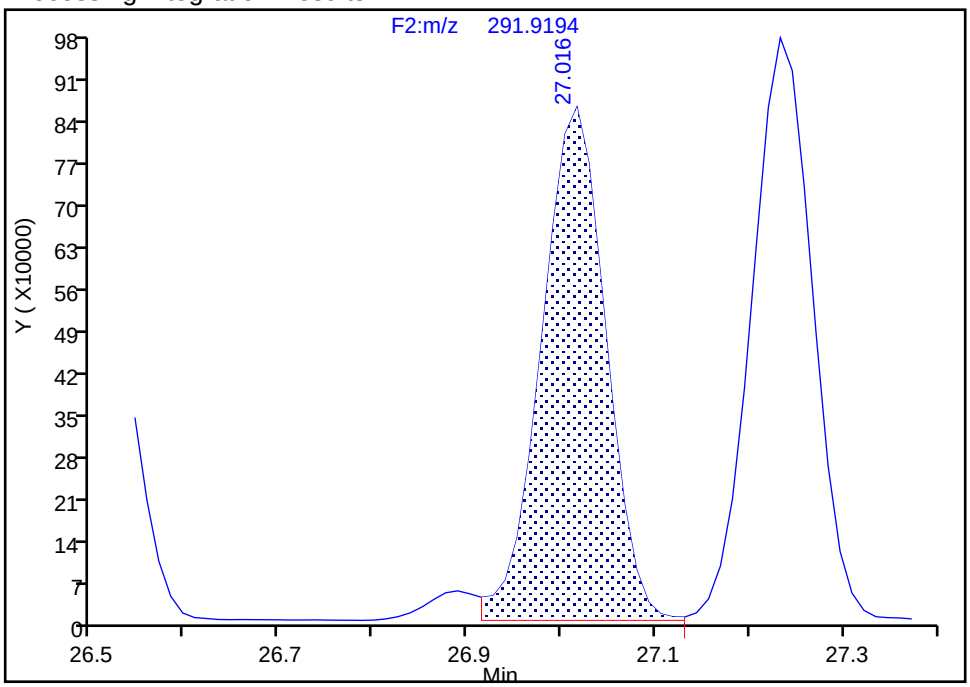
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

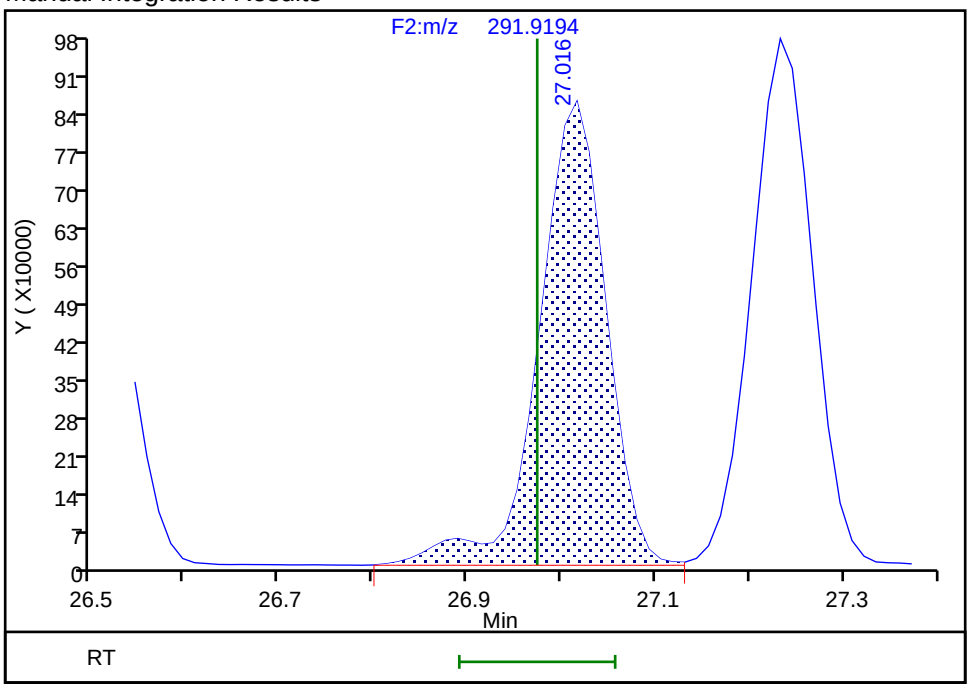
Processing Integration Results

RT: 27.02
Area: 4078877
Amount: 227.1952
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 4260712
Amount: 237.2176
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:18:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

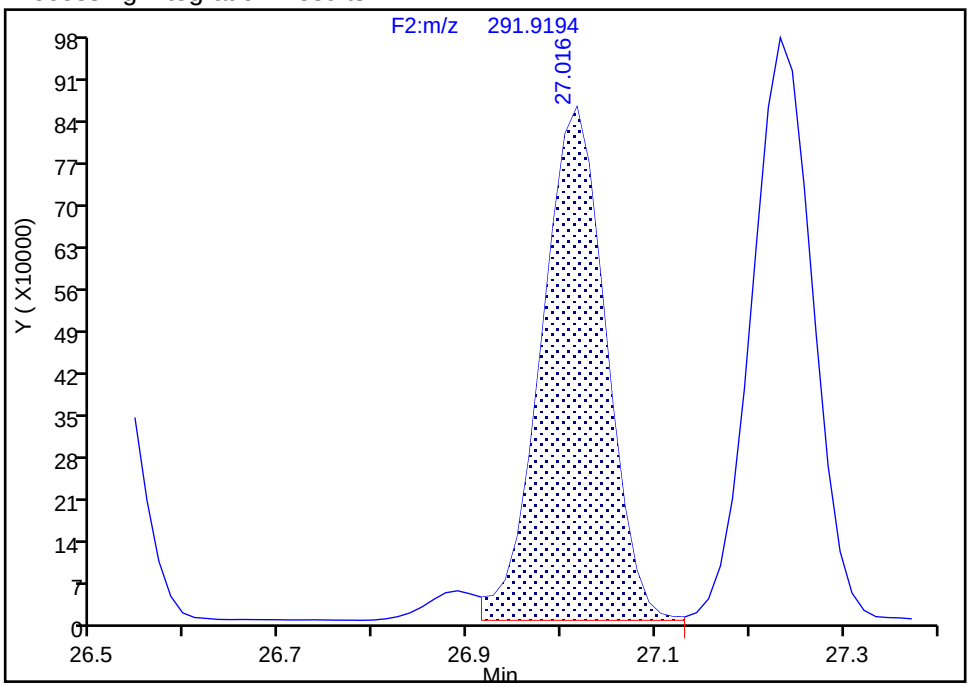
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 27.02
Area: 7324486
Amount: 227.1952
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 7647593
Amount: 237.2176
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:18:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

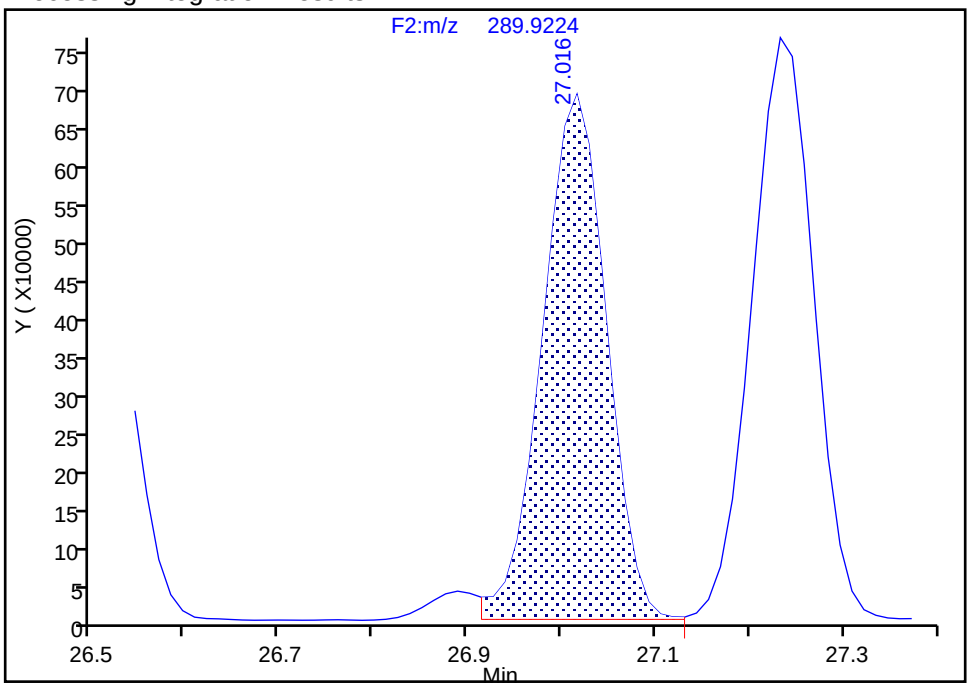
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

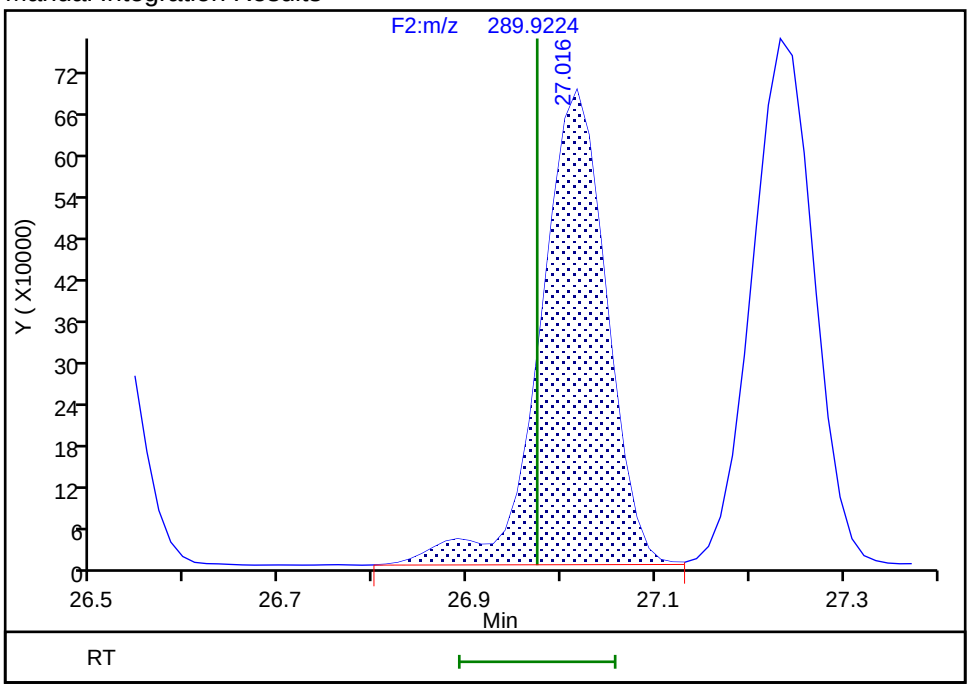
Processing Integration Results

RT: 27.02
Area: 3245609
Amount: 227.1952
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 3386881
Amount: 237.2176
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:18:50

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

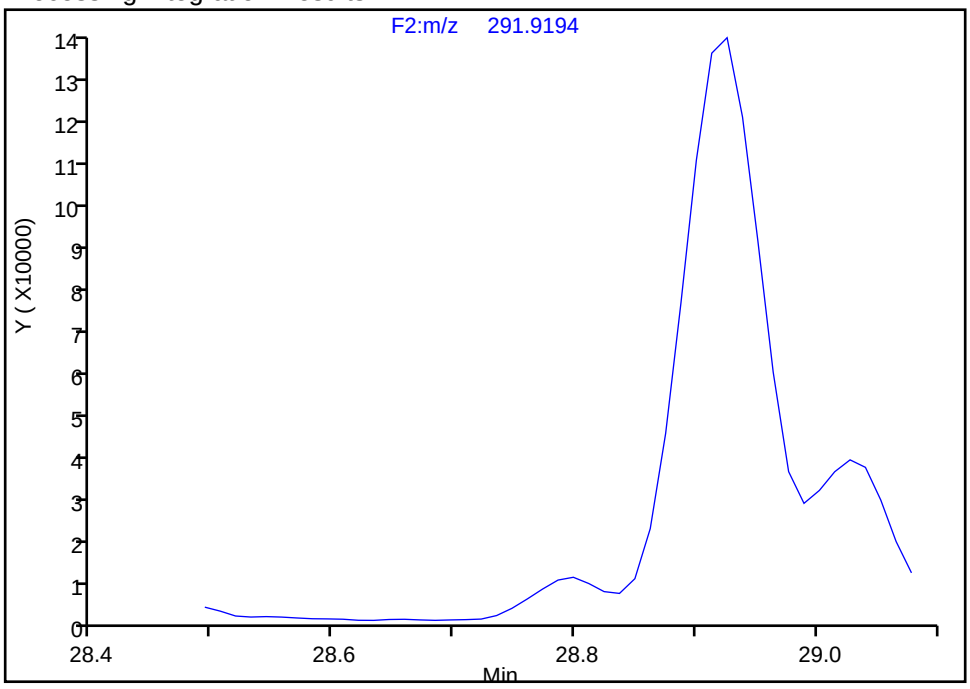
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 2

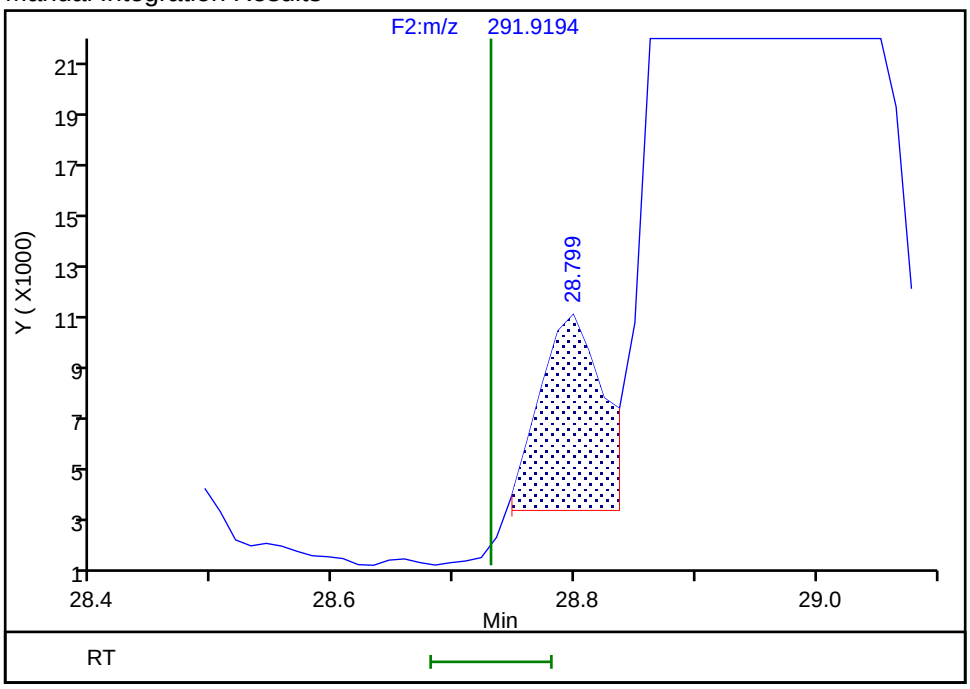
Not Detected
Expected RT: 28.73

Processing Integration Results




Manual Integration Results

RT: 28.80
Area: 27396
Amount: 1.181725
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:19:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

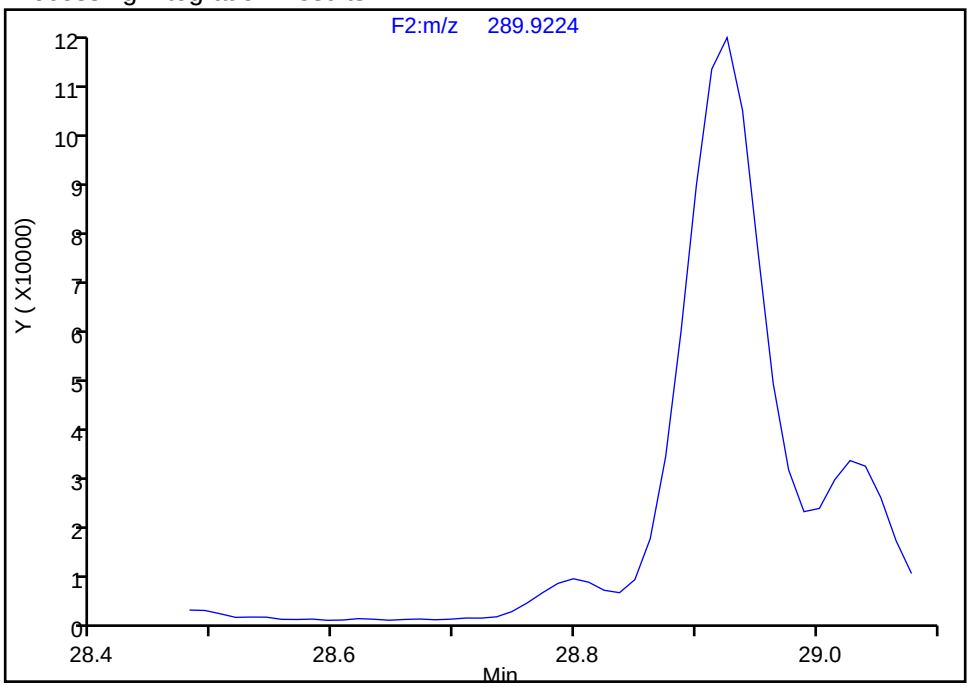
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 1

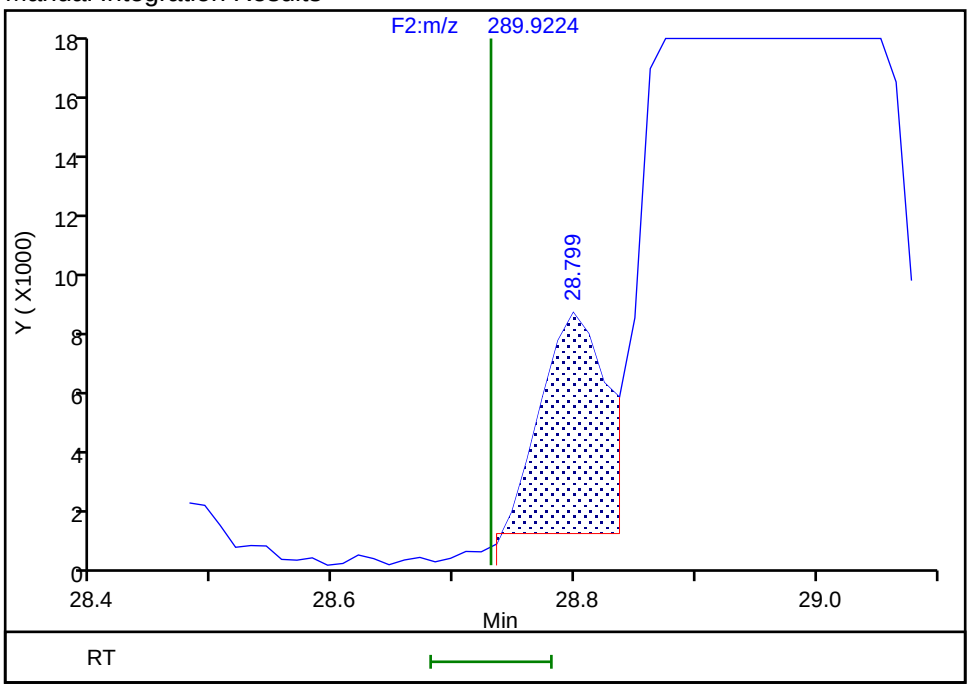
Not Detected
Expected RT: 28.73

Processing Integration Results




Manual Integration Results

RT: 28.80
Area: 25801
Amount: 1.181725
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:19:25
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

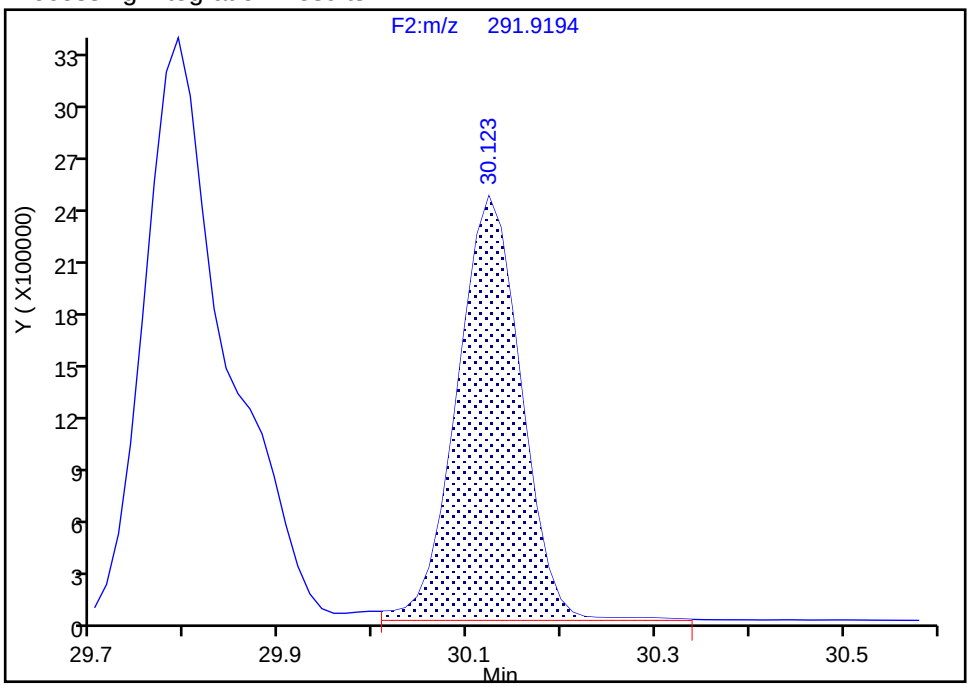
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

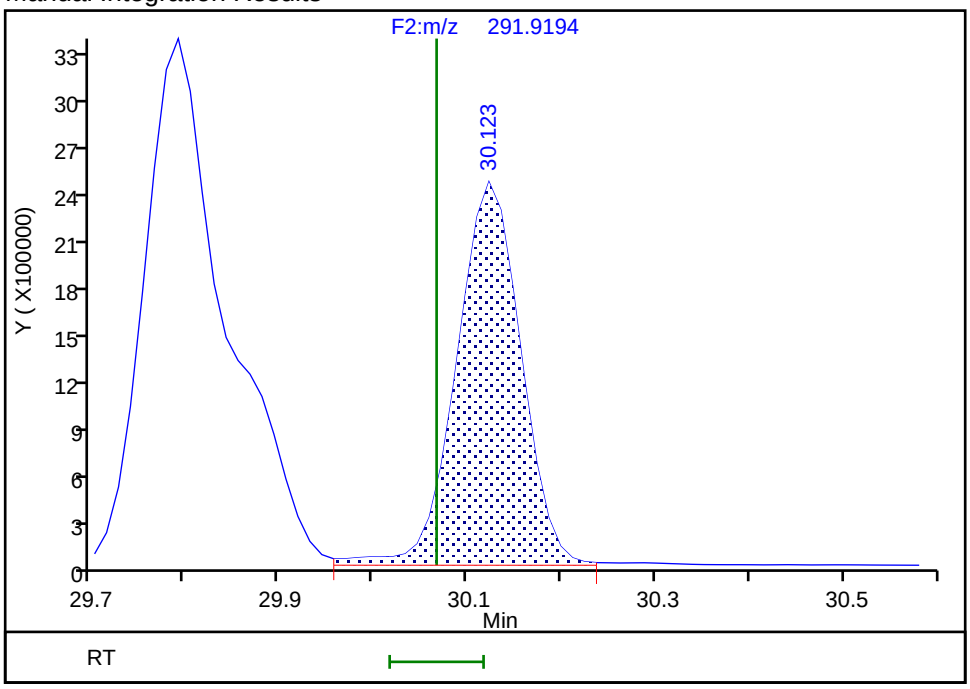
Processing Integration Results

RT: 30.12
Area: 11735883
Amount: 471.2788
Amount Units: pg/ul




Manual Integration Results

RT: 30.12
Area: 11801251
Amount: 471.3228
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:19:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

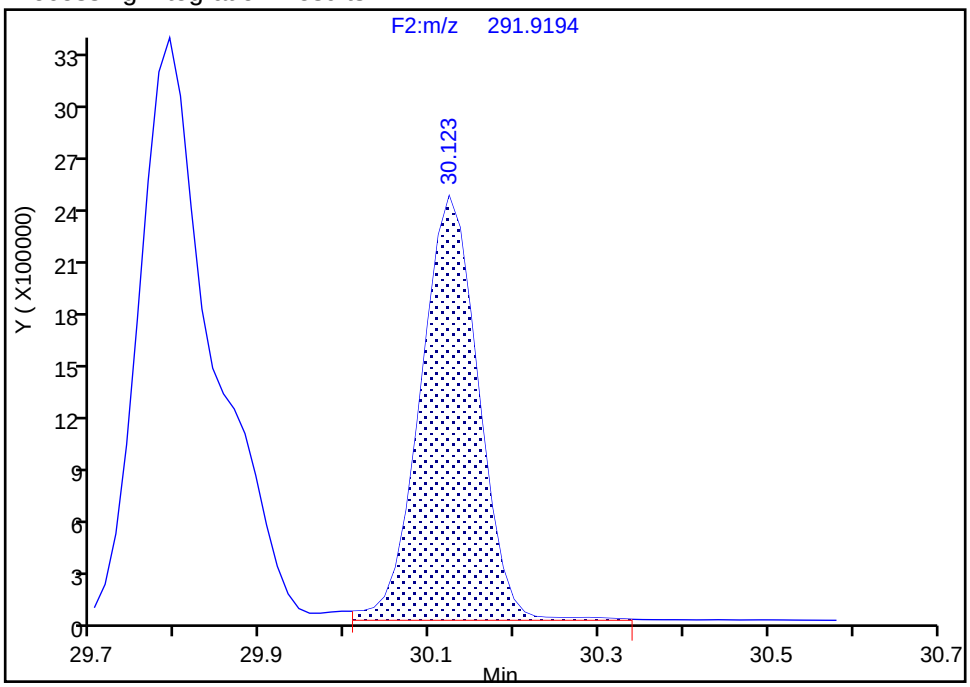
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 30.12
Area: 21186868
Amount: 471.2788
Amount Units: pg/ul




Manual Integration Results

RT: 30.12
Area: 21188846
Amount: 471.3228
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:19:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

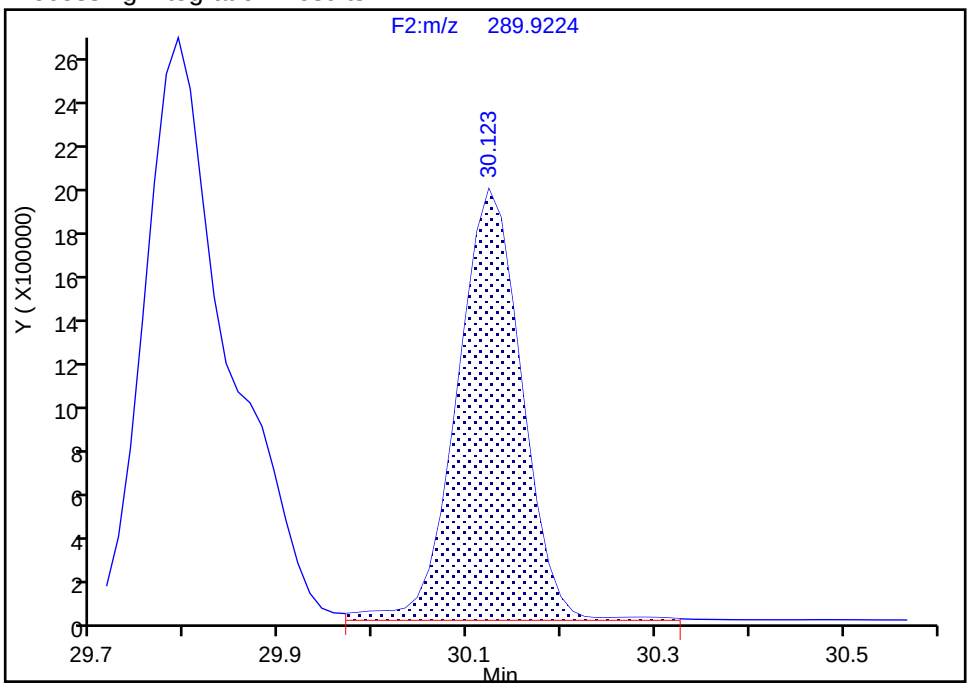
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

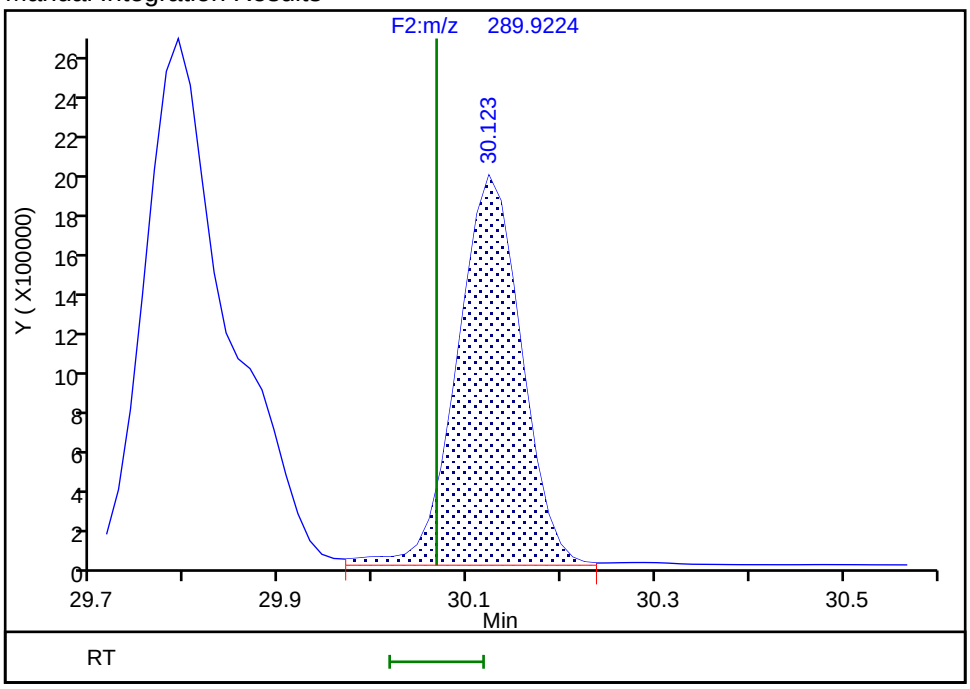
Processing Integration Results

RT: 30.12
Area: 9450985
Amount: 471.2788
Amount Units: pg/ul




Manual Integration Results

RT: 30.12
Area: 9387595
Amount: 471.3228
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:19:53

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

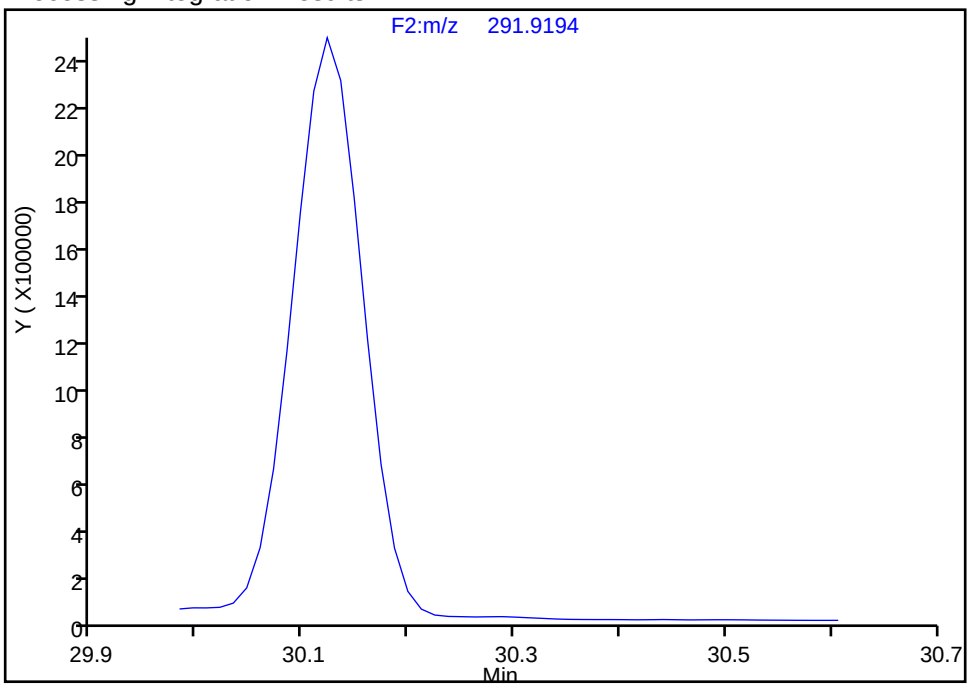
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 2

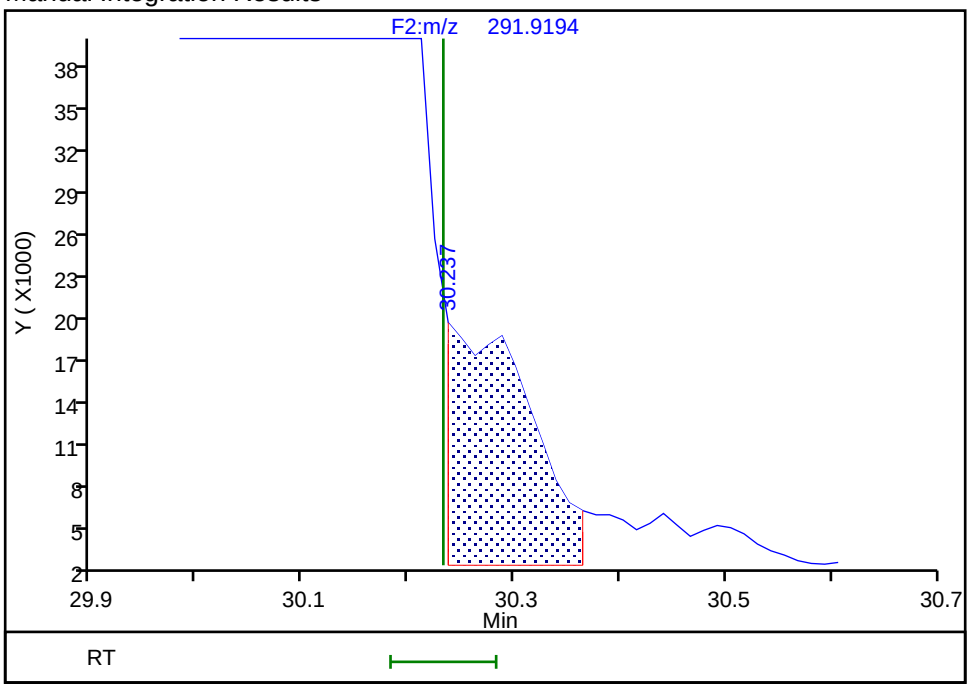
Not Detected
Expected RT: 30.23

Processing Integration Results




Manual Integration Results

RT: 30.24
Area: 88249
Amount: 3.333594
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:20:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

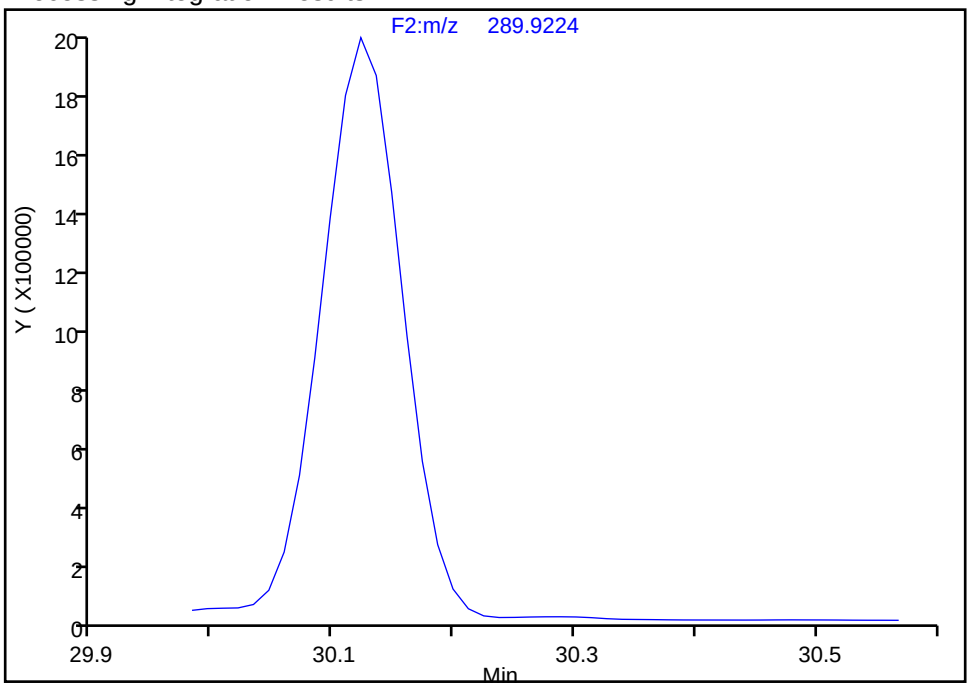
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

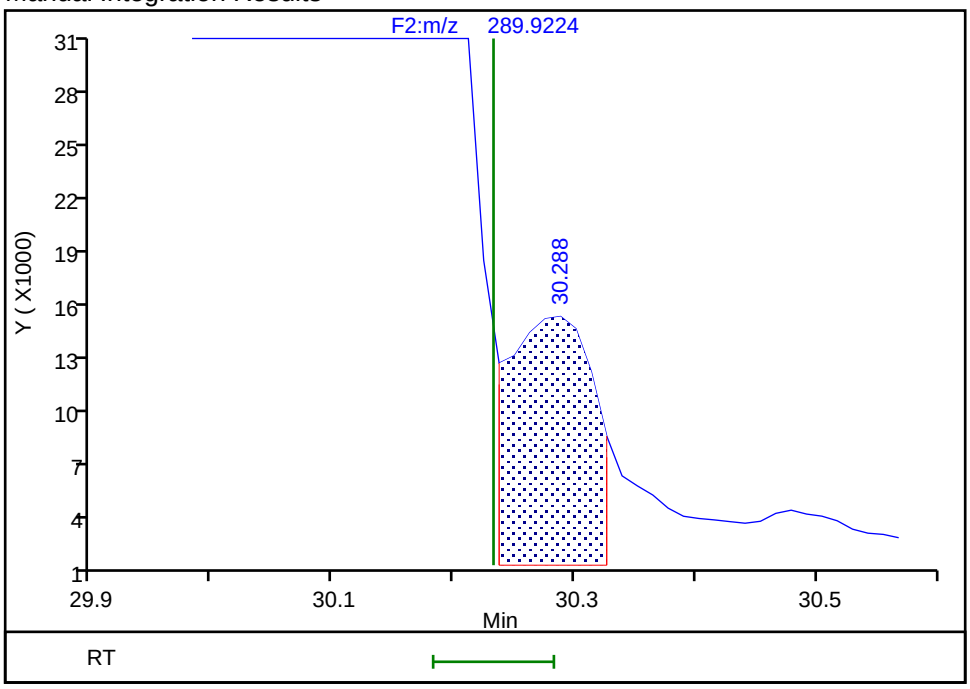
Not Detected
Expected RT: 30.23

Processing Integration Results




Manual Integration Results

RT: 30.29
Area: 63390
Amount: 3.333594
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:20:10
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

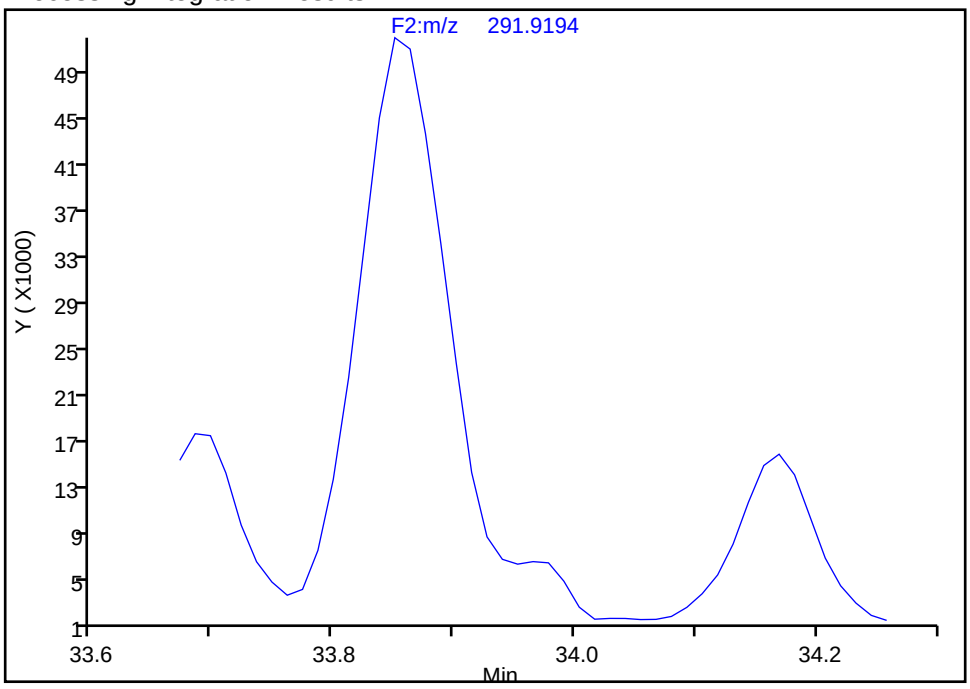
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

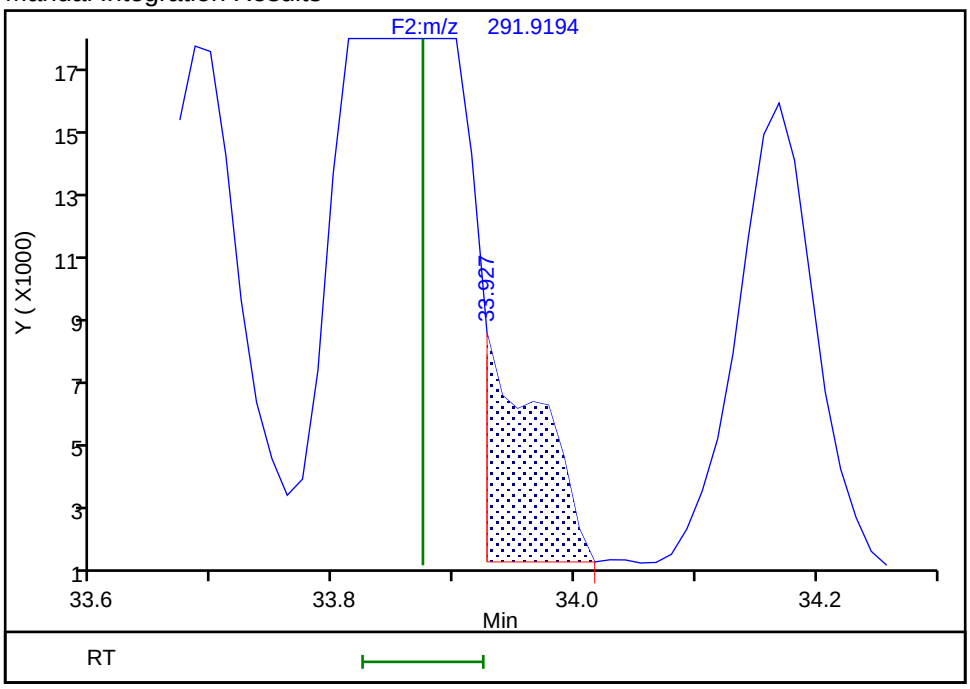
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.93
Area: 20742
Amount: 0.832004
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:20:26
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

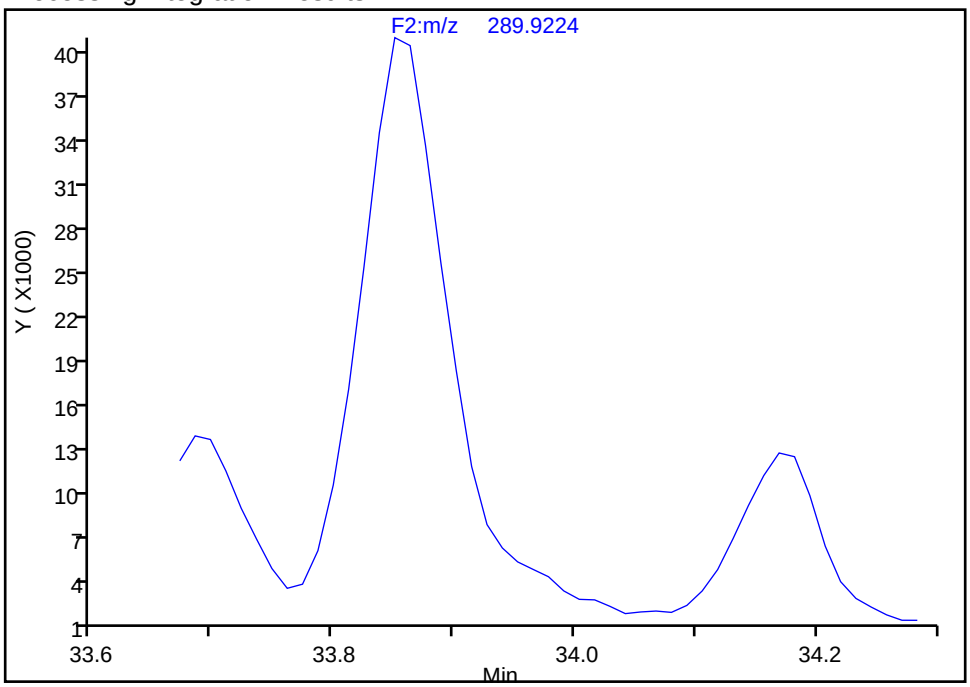
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

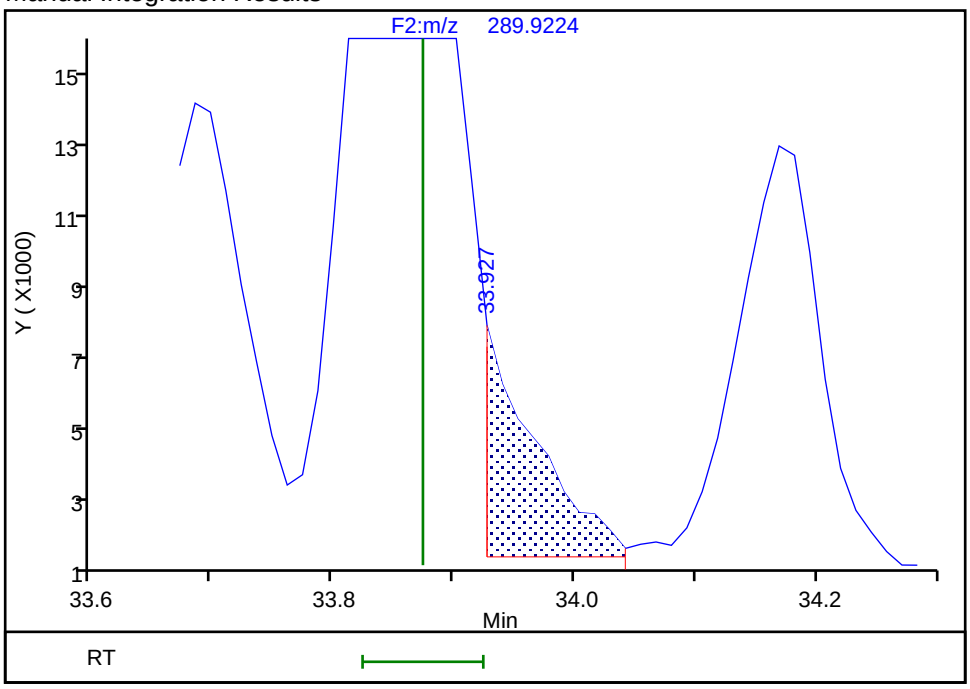
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.93
Area: 17239
Amount: 0.832004
Amount Units: pg/ul

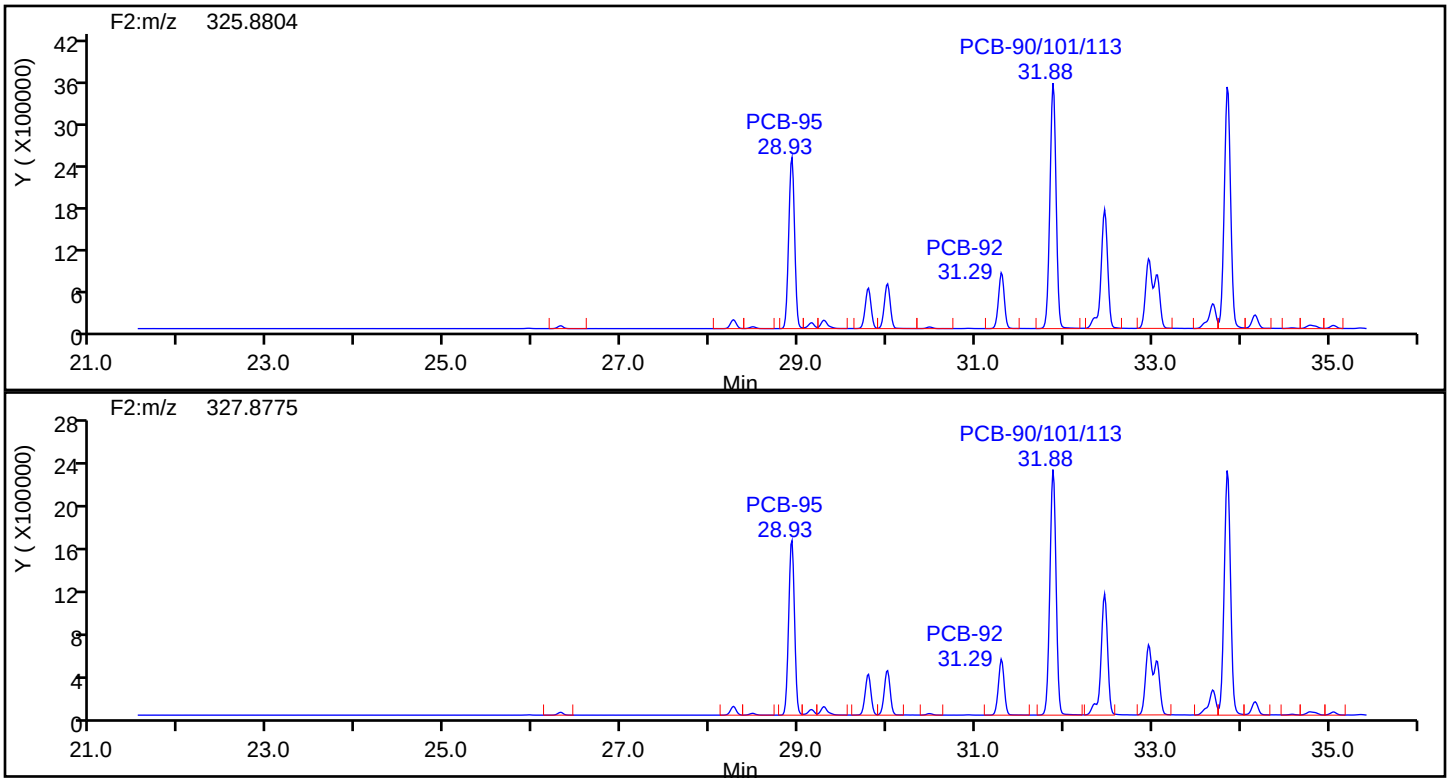



Reviewer: mcwhirterl, 09-Oct-2019 23:20:34
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

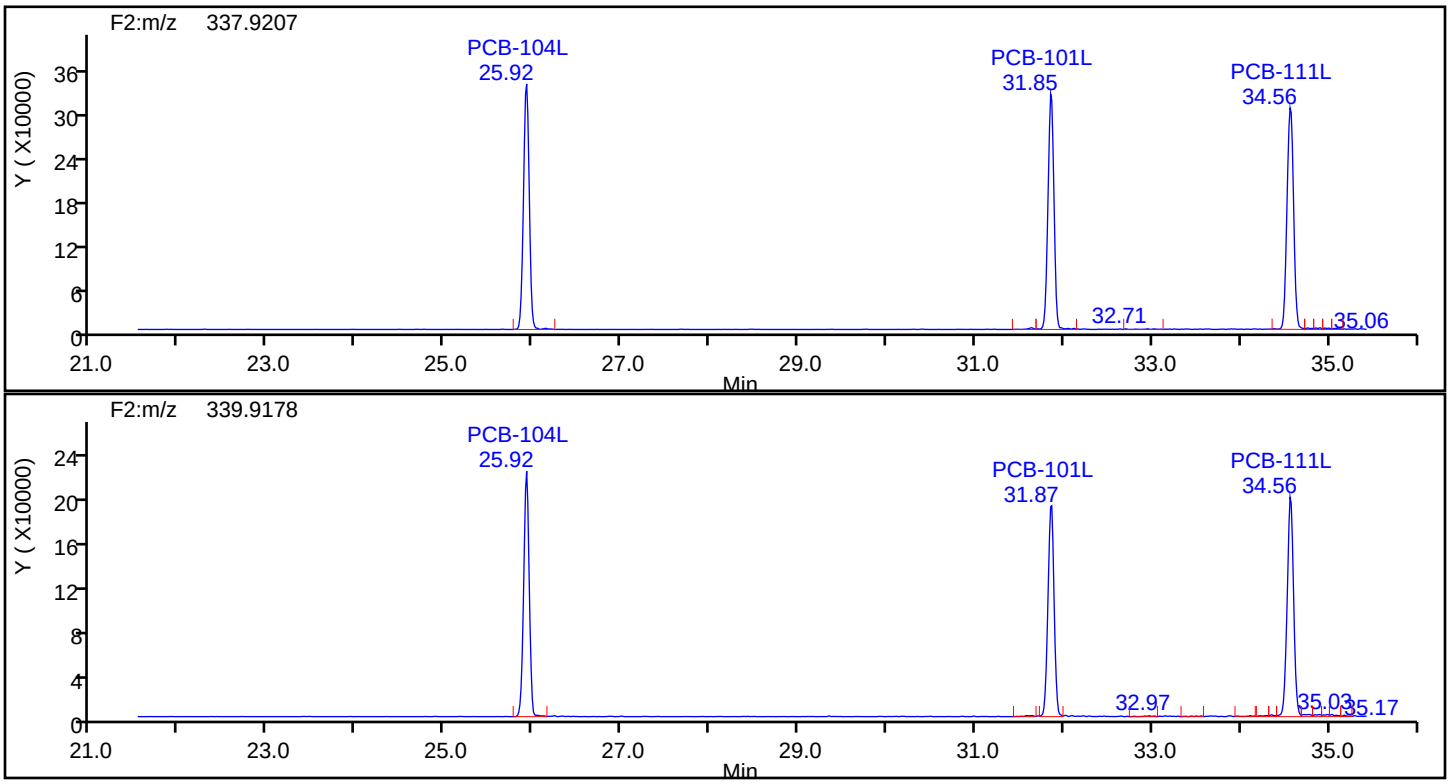
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



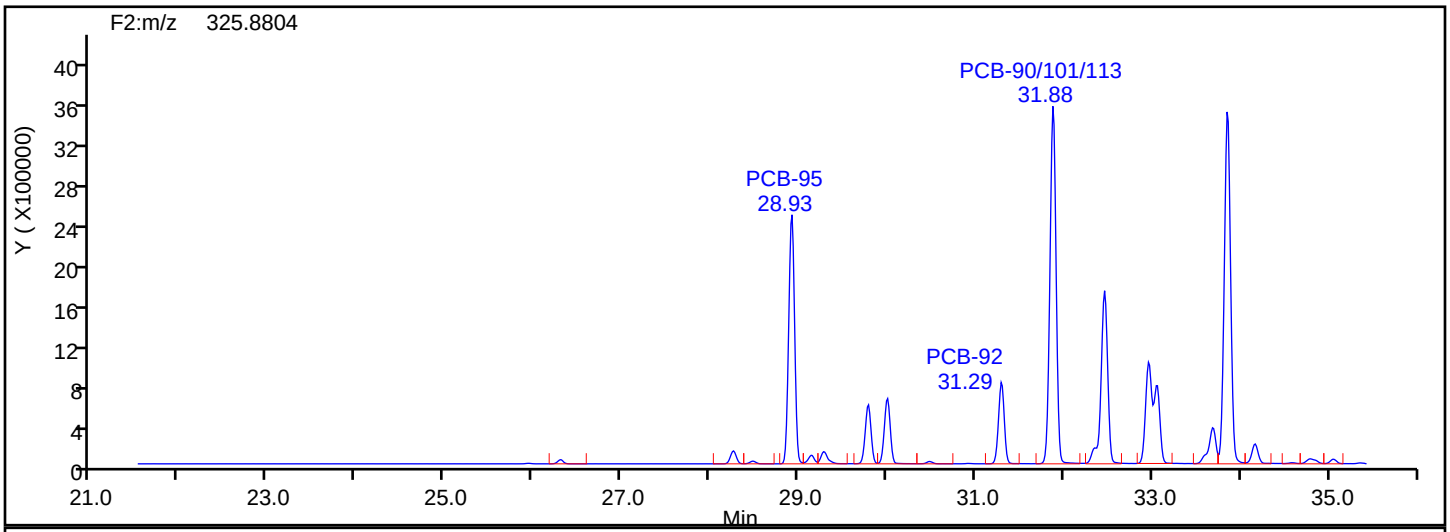

PePCB F2 Standards

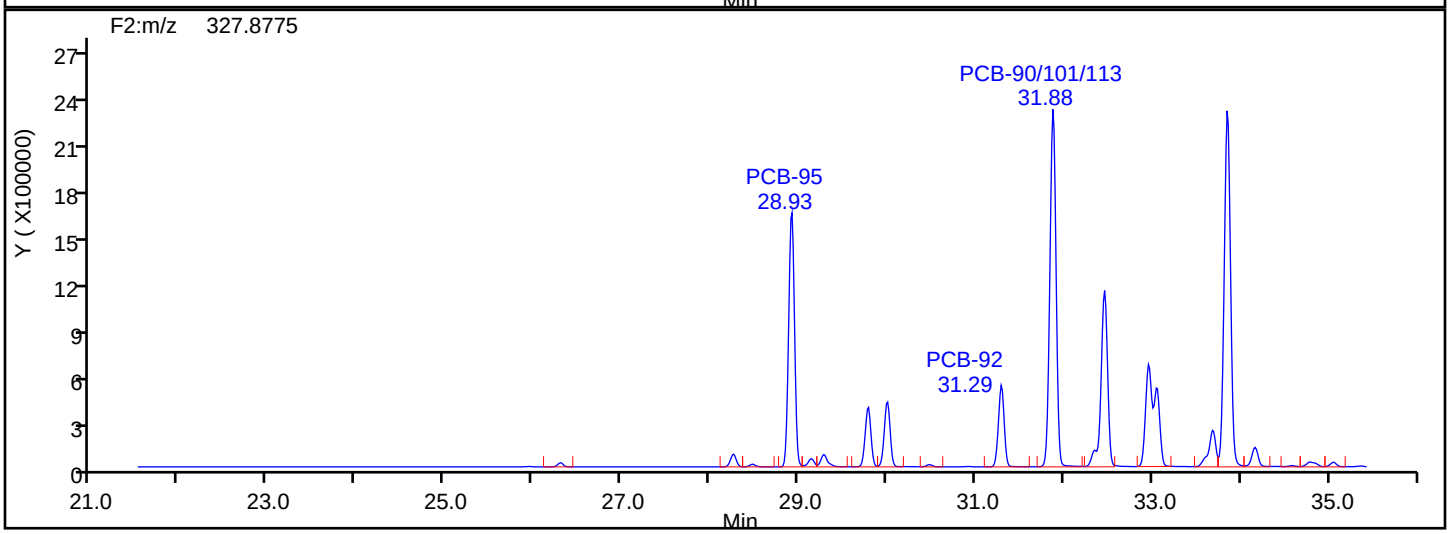


Eurofins TestAmerica, Knoxville

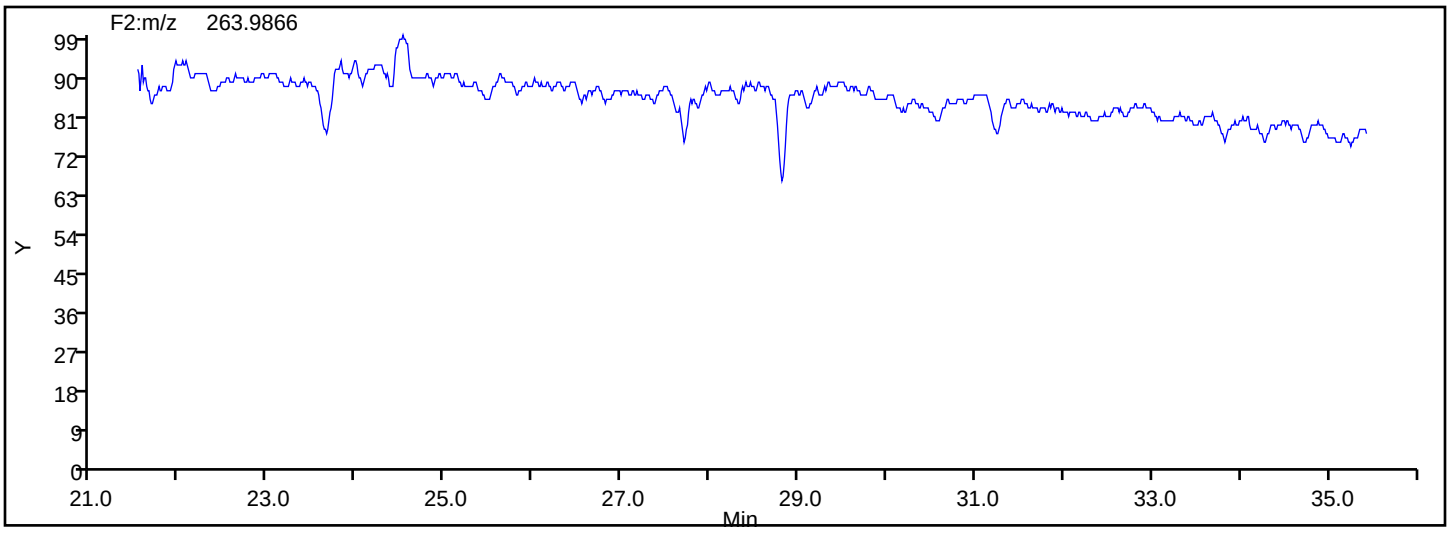
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

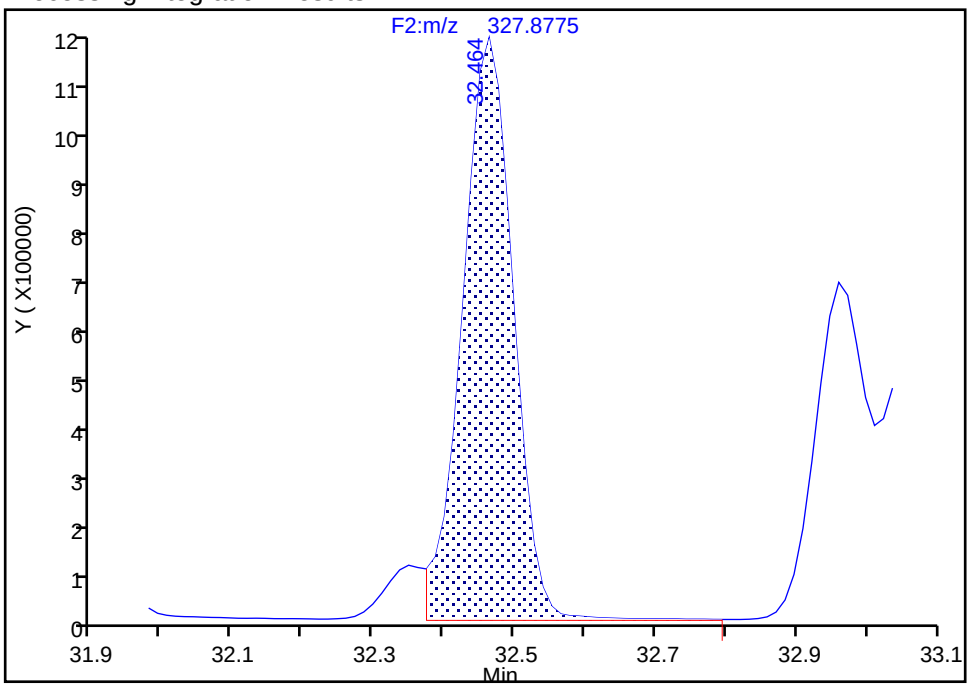
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

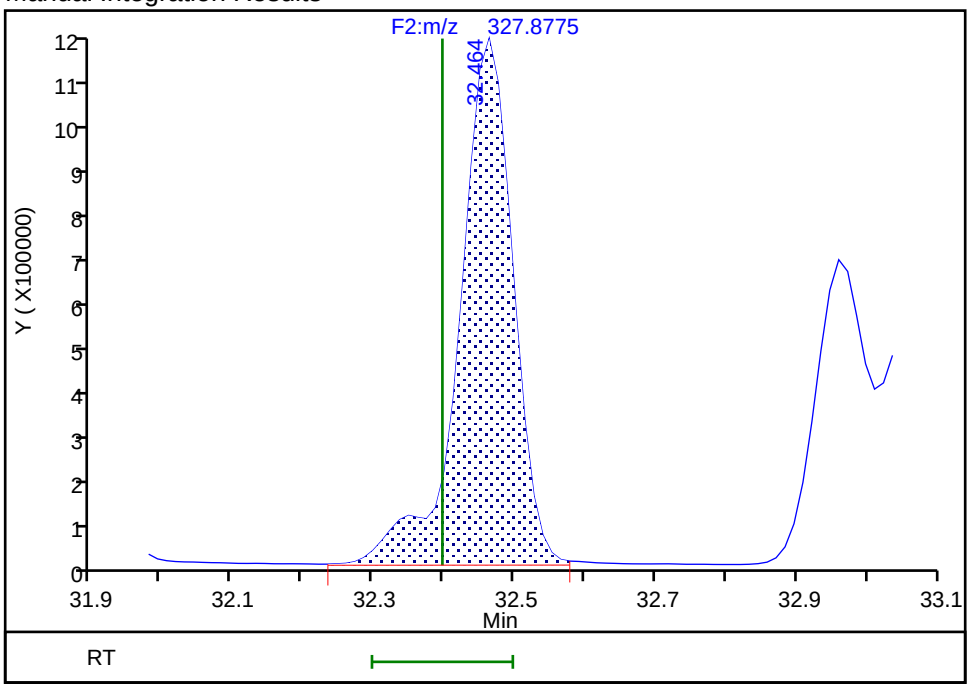
Processing Integration Results

RT: 32.46
Area: 5557820
Amount: 607.9434
Amount Units: pg/ul




Manual Integration Results

RT: 32.46
Area: 5915510
Amount: 643.2966
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:21:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

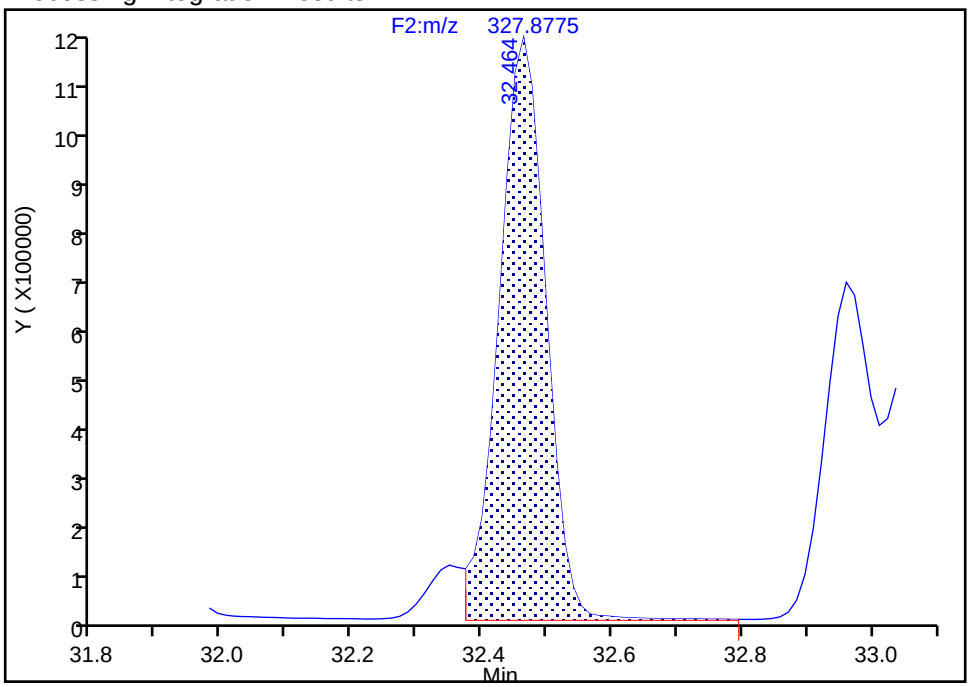
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.46
Area: 14353715
Amount: 607.9434
Amount Units: pg/ul




Manual Integration Results

RT: 32.46
Area: 15188414
Amount: 643.2966
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:21:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

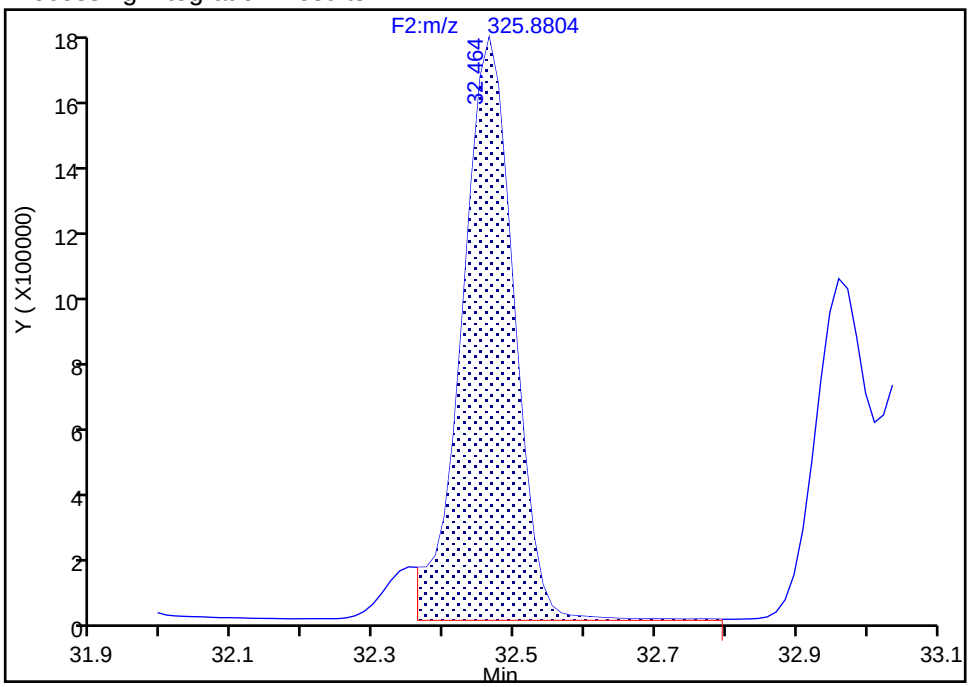
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

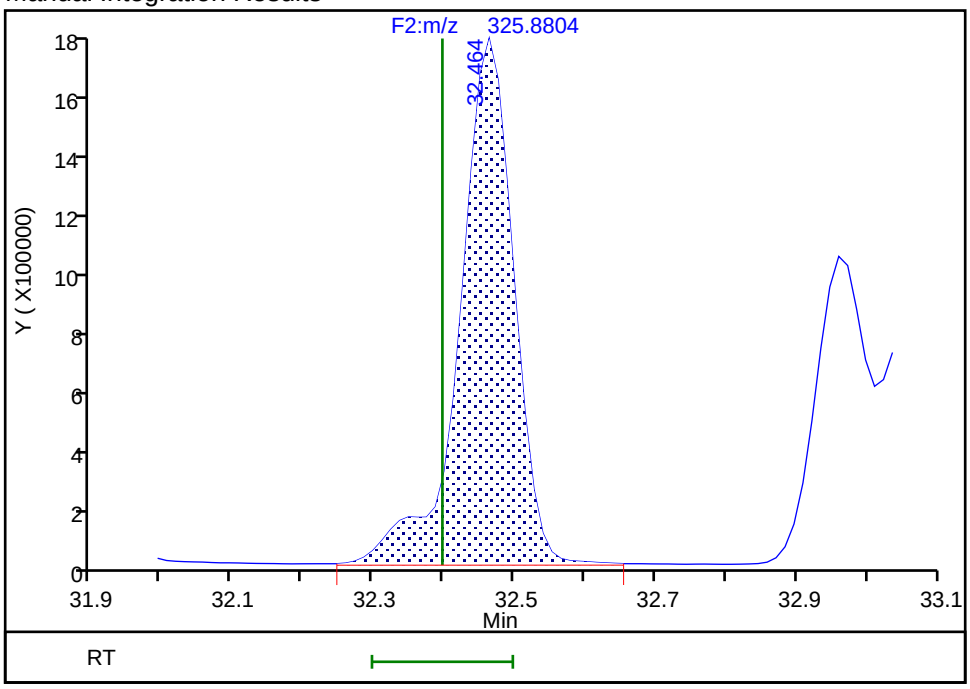
Processing Integration Results

RT: 32.46
Area: 8795895
Amount: 607.9434
Amount Units: pg/ul




Manual Integration Results

RT: 32.46
Area: 9272904
Amount: 643.2966
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:21:49

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

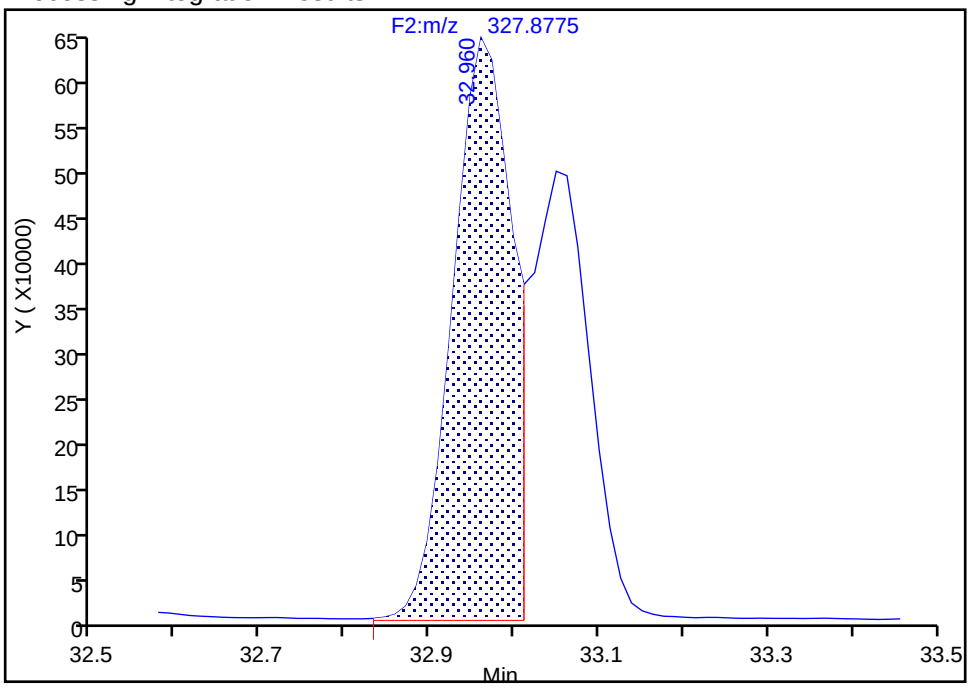
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

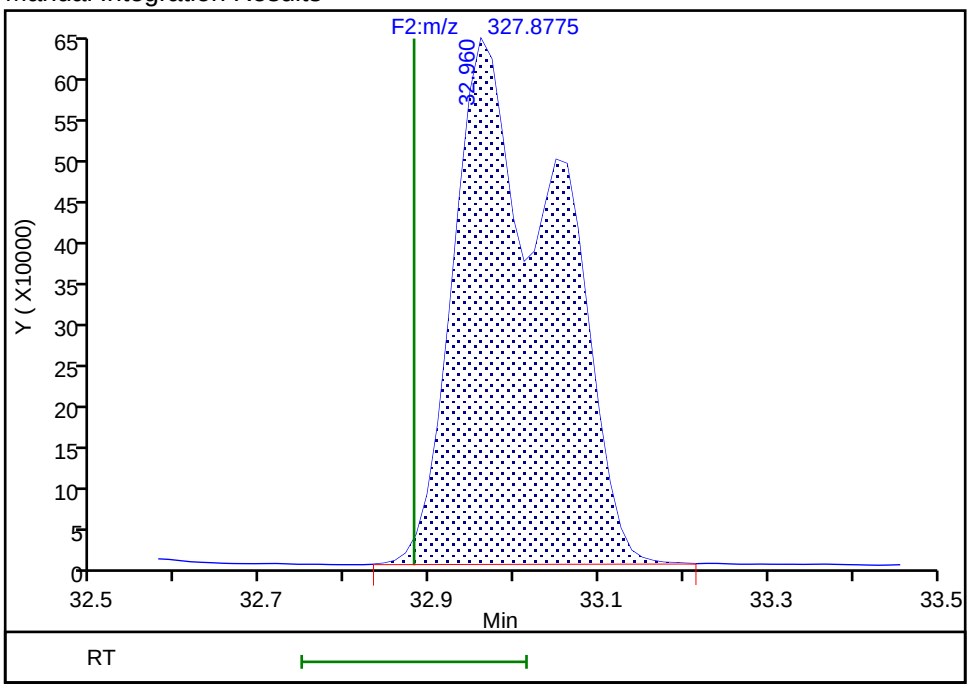
Processing Integration Results

RT: 32.96
Area: 3100455
Amount: 265.5322
Amount Units: pg/ul




Manual Integration Results

RT: 32.96
Area: 5421255
Amount: 465.0888
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:22:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

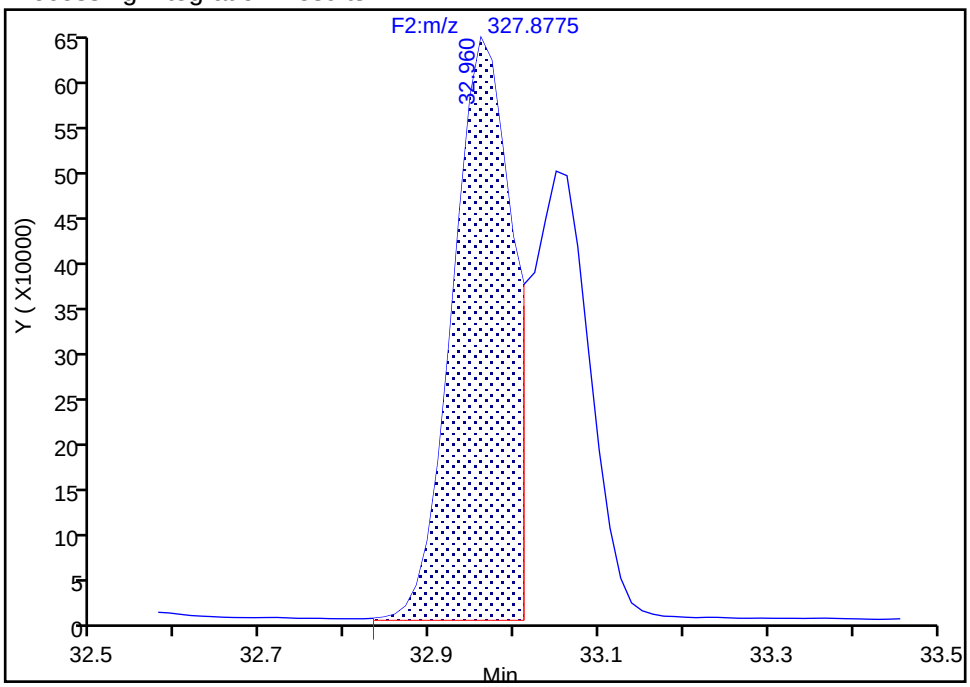
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.96
Area: 7980962
Amount: 265.5322
Amount Units: pg/ul




Manual Integration Results

RT: 32.96
Area: 13978932
Amount: 465.0888
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:22:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

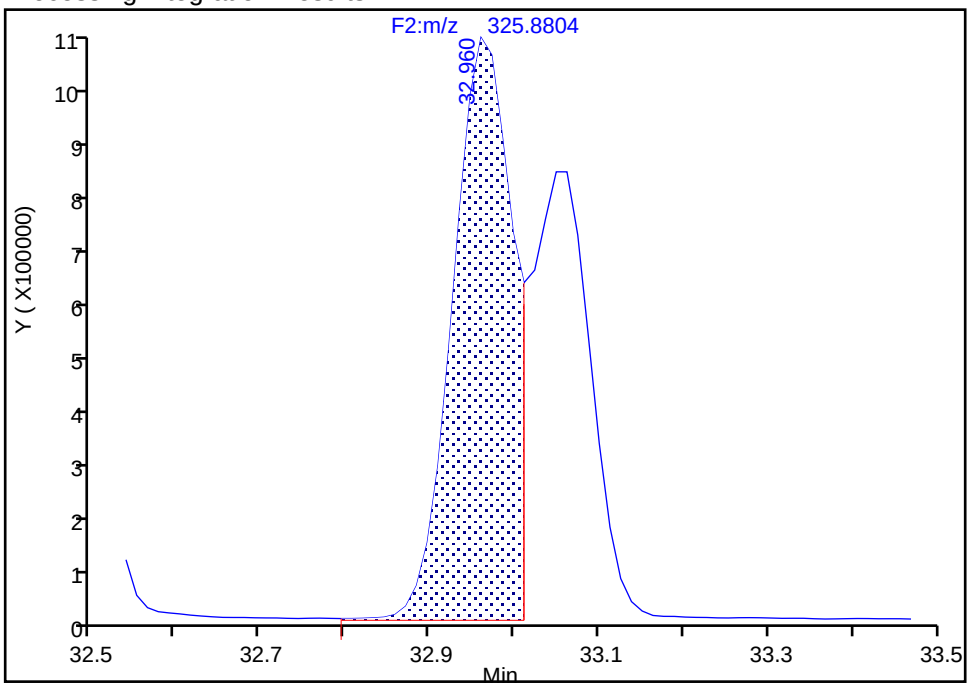
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

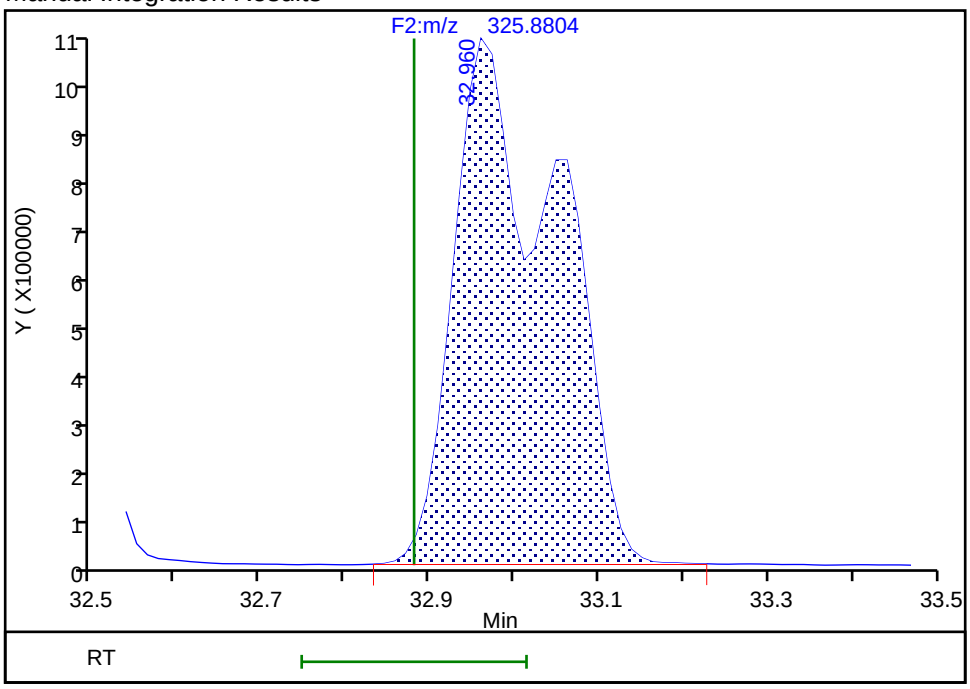
Processing Integration Results

RT: 32.96
Area: 4880507
Amount: 265.5322
Amount Units: pg/ul




Manual Integration Results

RT: 32.96
Area: 8557677
Amount: 465.0888
Amount Units: pg/ul



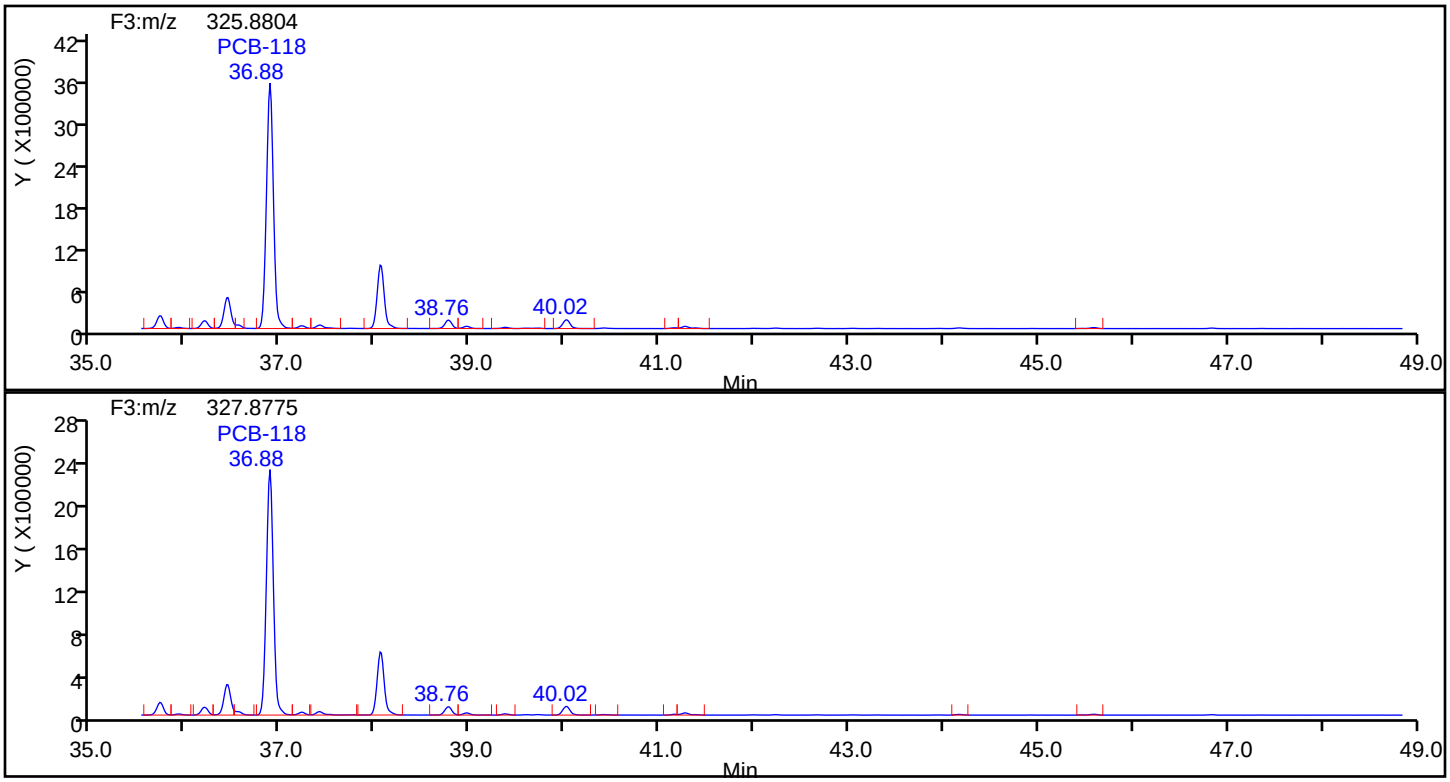

Reviewer: mcwhirterl, 09-Oct-2019 23:22:14

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

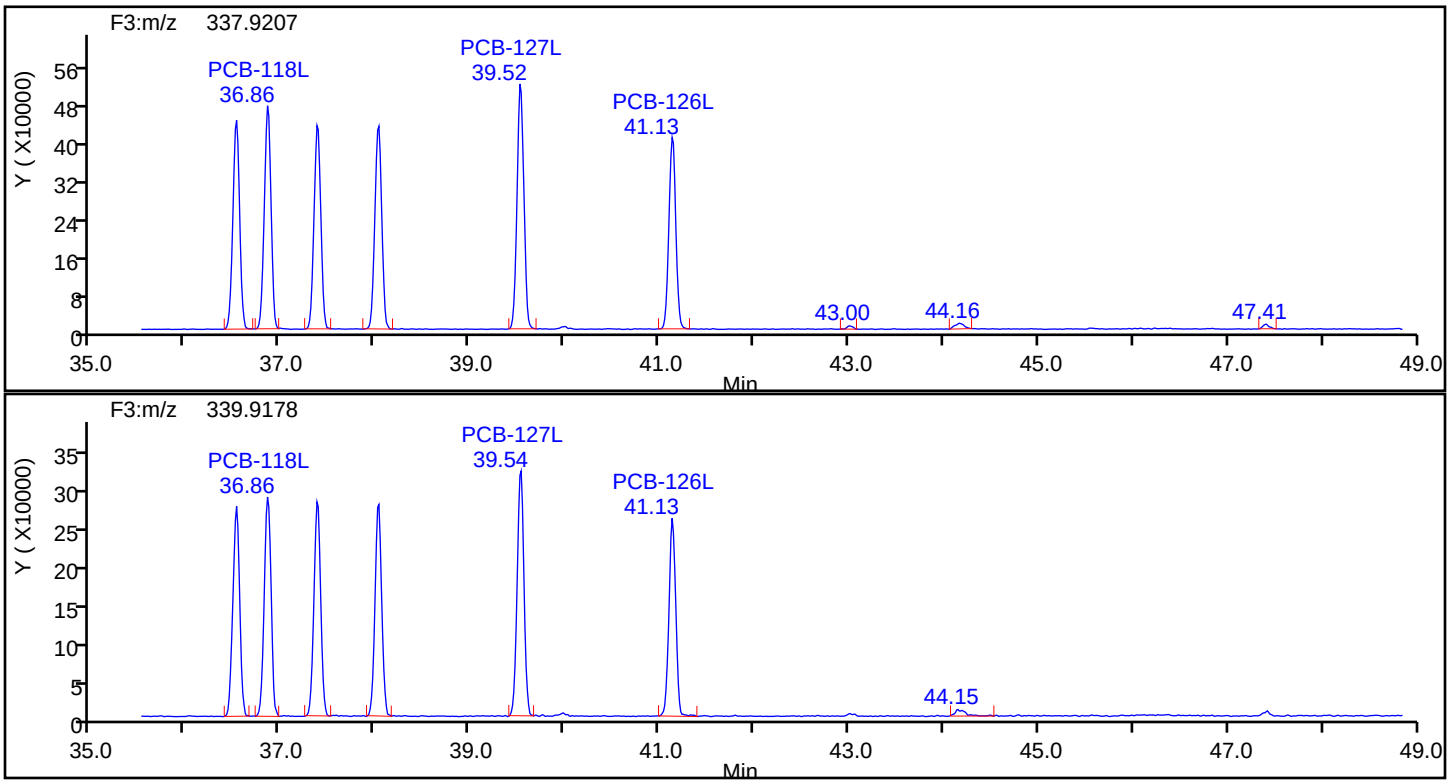
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



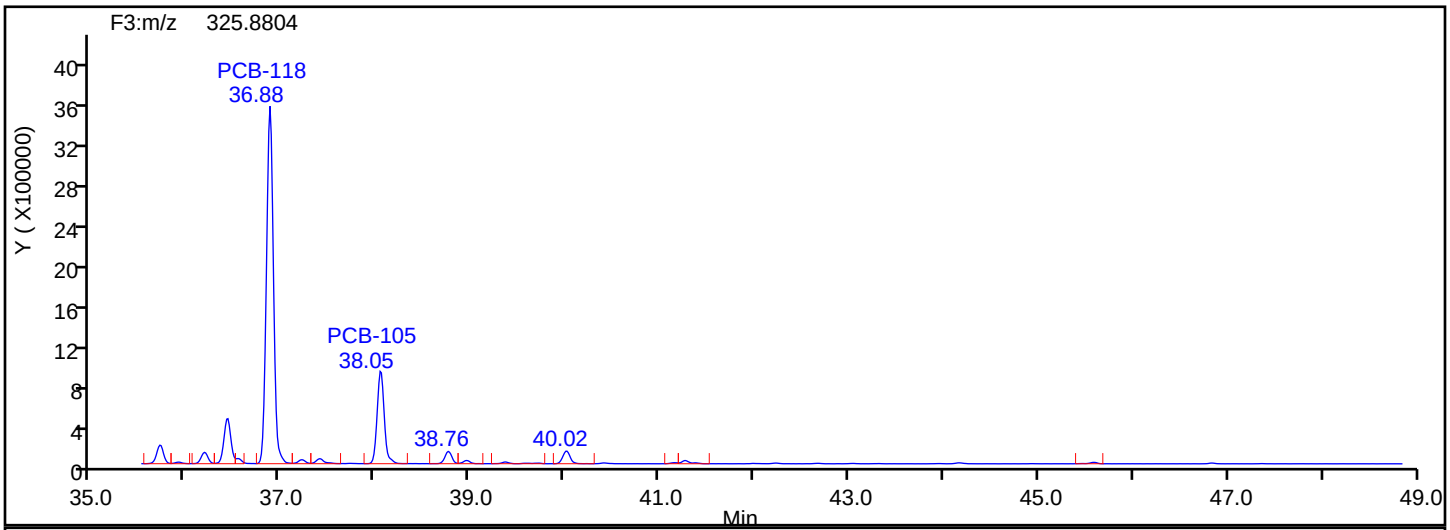

PePCB F3 Standards

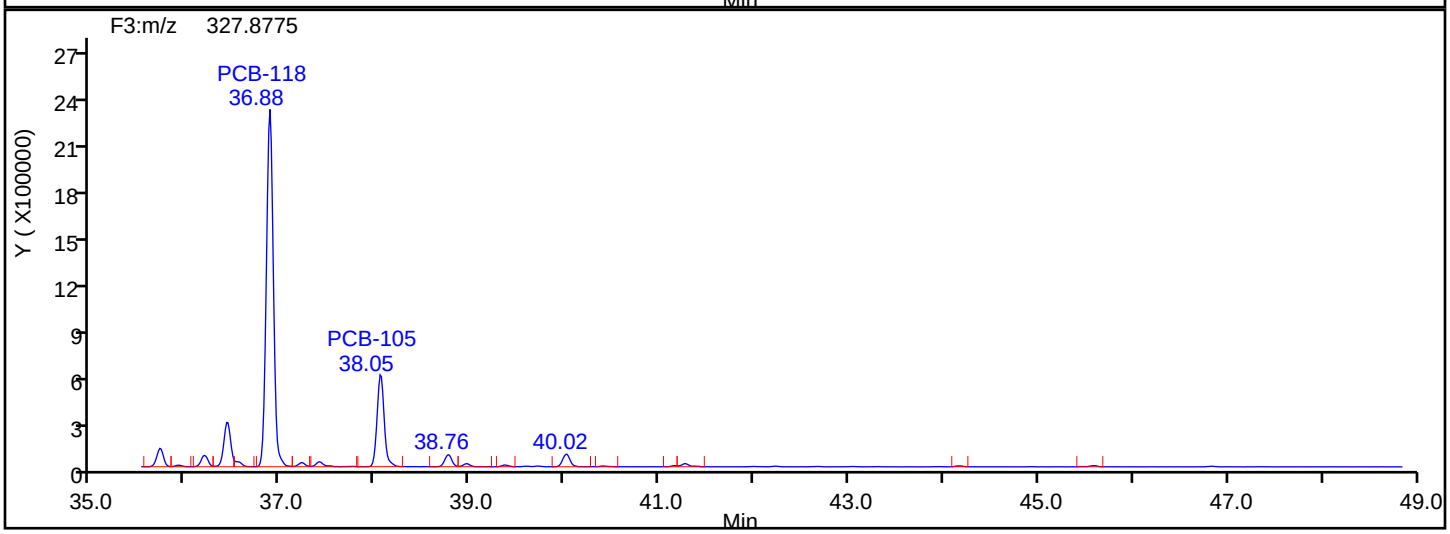


Eurofins TestAmerica, Knoxville

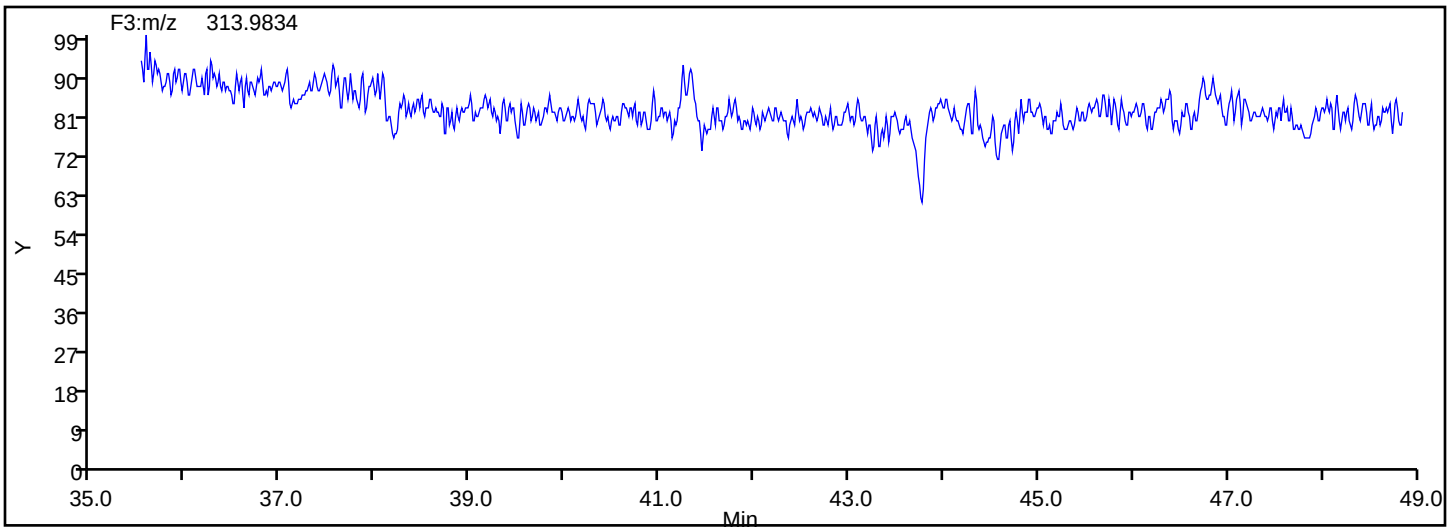
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

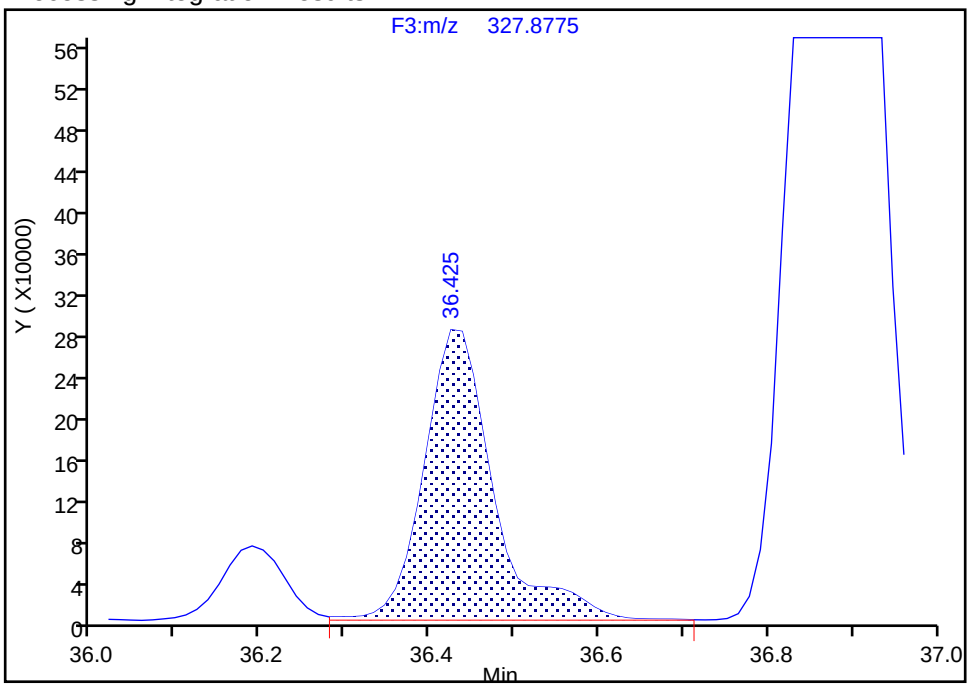
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

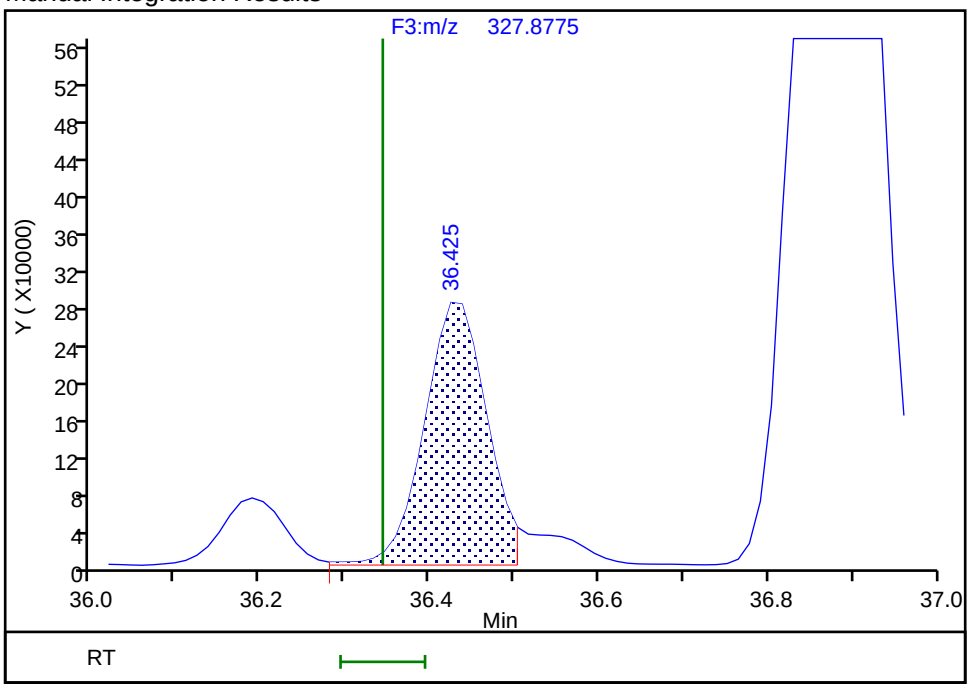
Processing Integration Results

RT: 36.42
Area: 1608650
Amount: 85.374493
Amount Units: pg/ul




Manual Integration Results

RT: 36.42
Area: 1432979
Amount: 77.344289
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:22:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

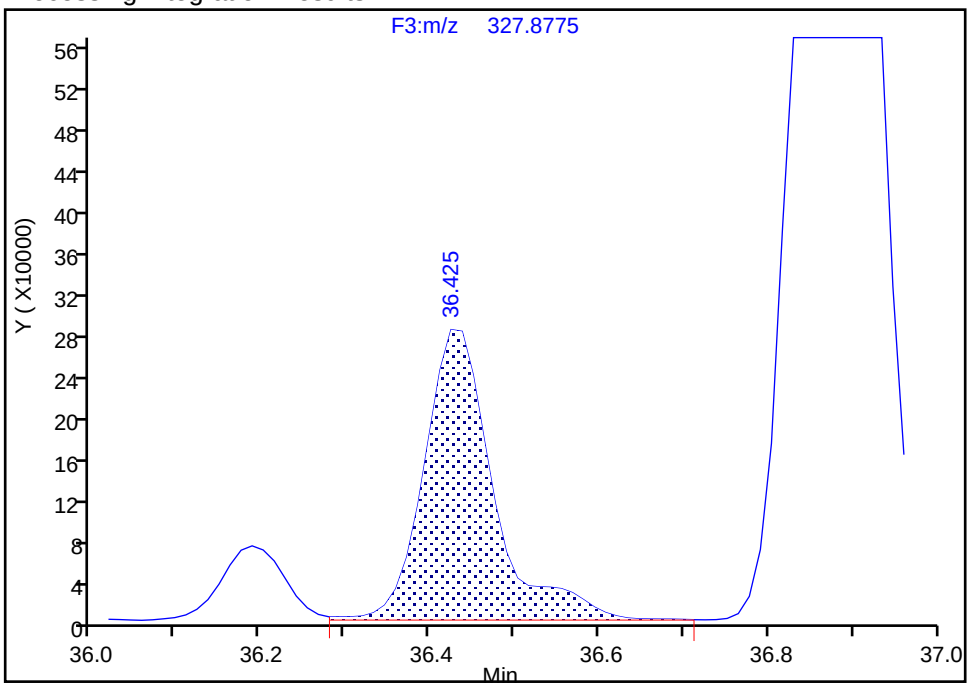
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 3

Processing Integration Results

RT: 36.44
Area: 4146161
Amount: 85.374493
Amount Units: pg/ul




Manual Integration Results

RT: 36.44
Area: 3756179
Amount: 77.344289
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:22:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

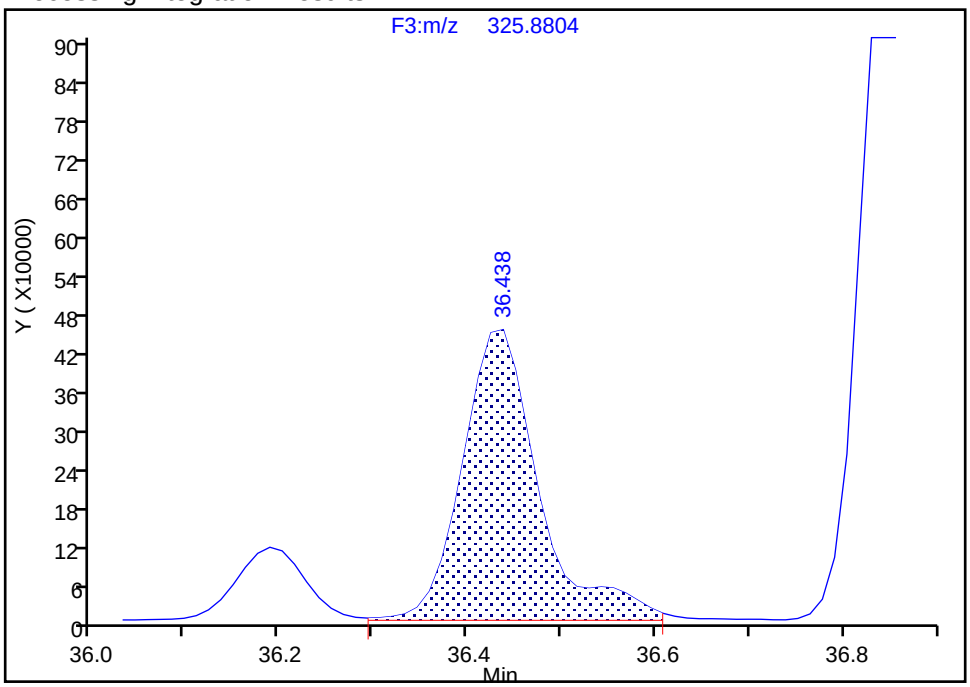
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

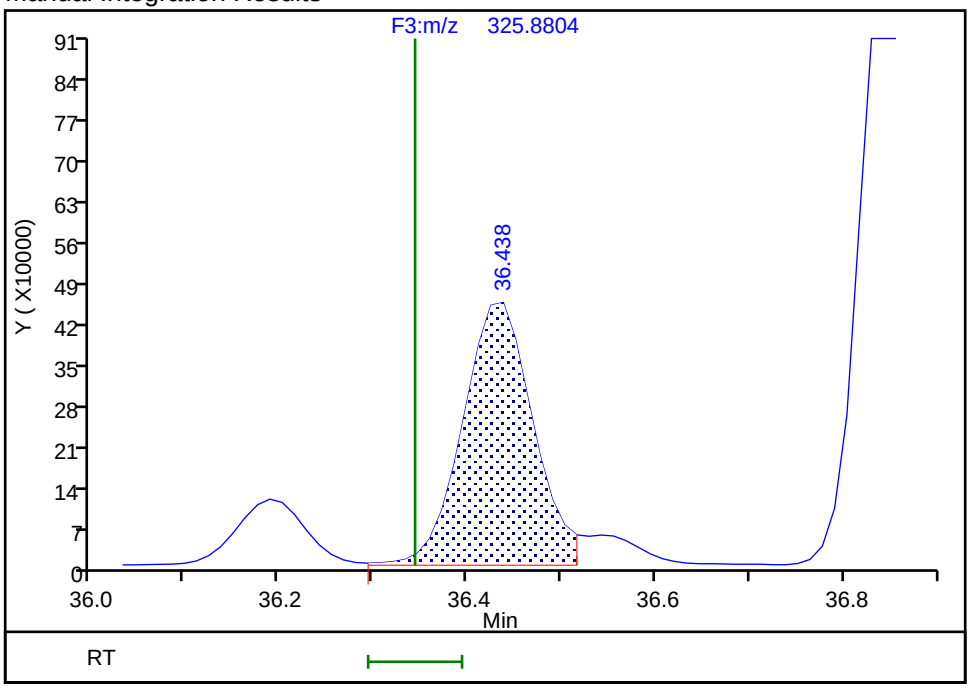
Processing Integration Results

RT: 36.44
Area: 2537511
Amount: 85.374493
Amount Units: pg/ul




Manual Integration Results

RT: 36.44
Area: 2323200
Amount: 77.344289
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:22:54

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

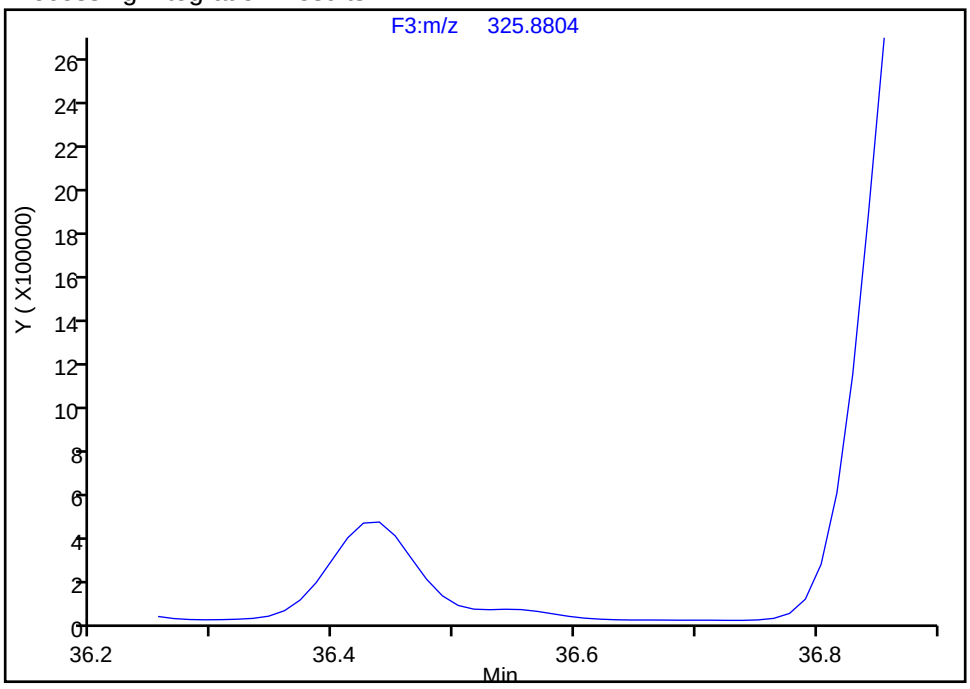
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

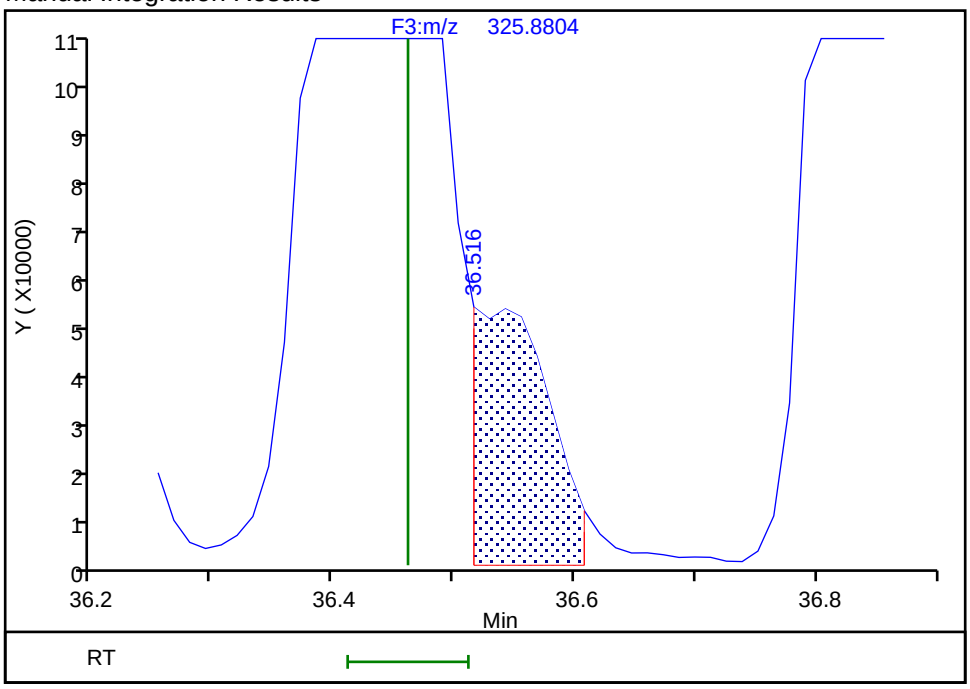
Not Detected
Expected RT: 36.46

Processing Integration Results




Manual Integration Results

RT: 36.52
Area: 214310
Amount: 8.115083
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:22:58
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

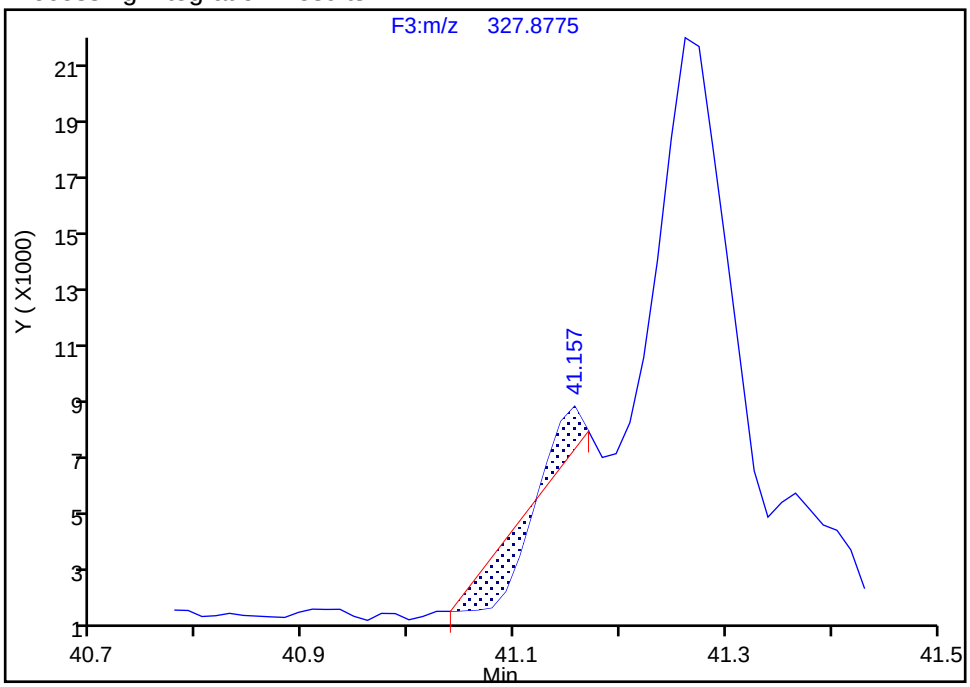
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

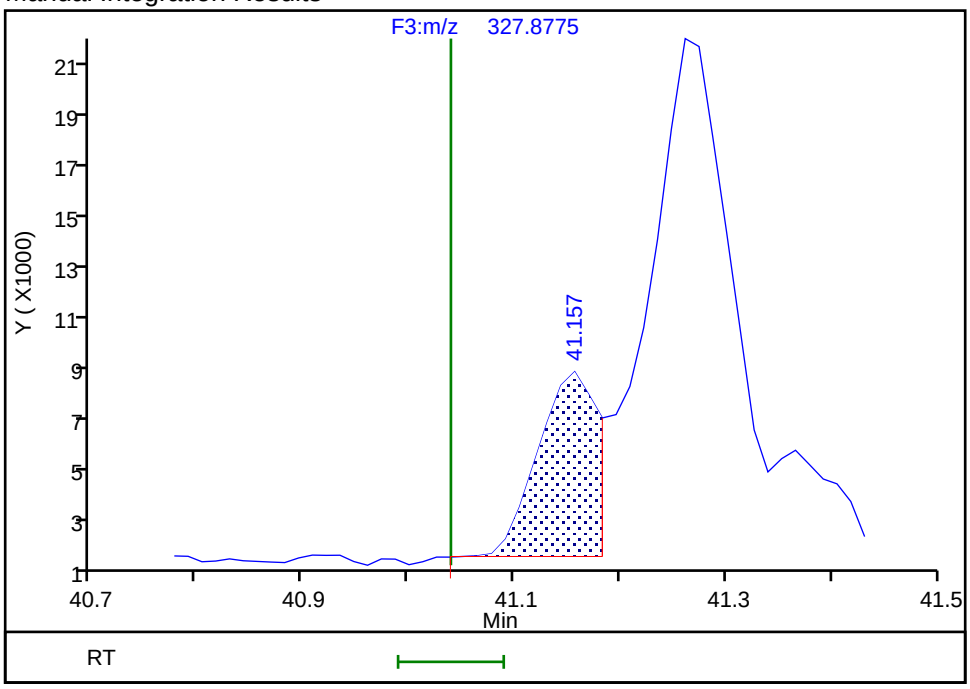
Processing Integration Results

RT: 41.16
Area: 2285
Amount: 1.151724
Amount Units: pg/ul




Manual Integration Results

RT: 41.16
Area: 26545
Amount: 1.688326
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:23:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

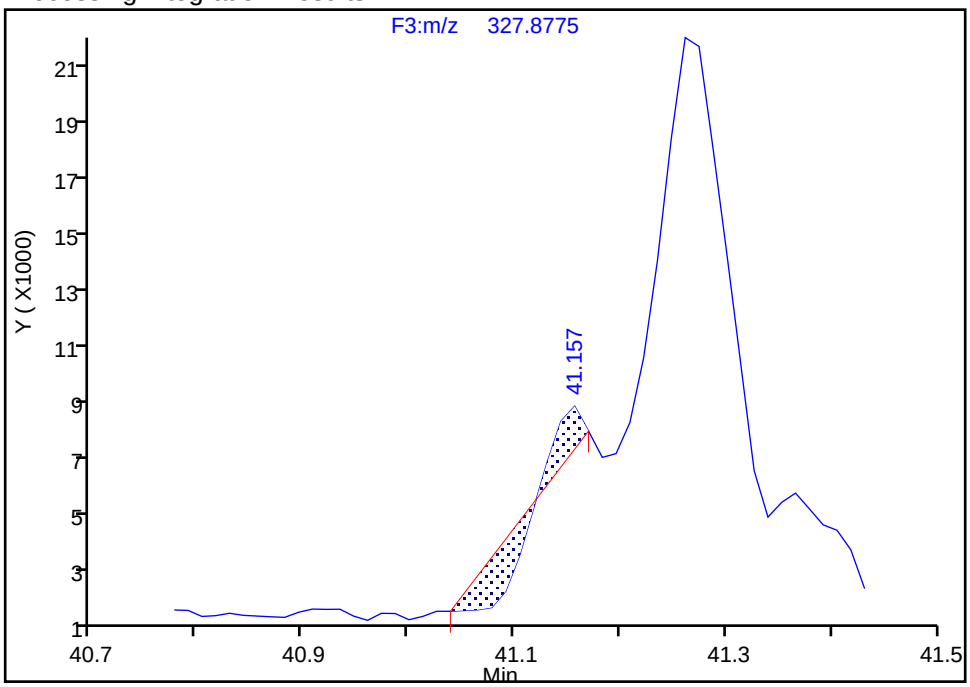
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 3

Processing Integration Results

RT: 41.16
Area: 52070
Amount: 1.151724
Amount Units: pg/ul




Manual Integration Results

RT: 41.16
Area: 76330
Amount: 1.688326
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:23:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

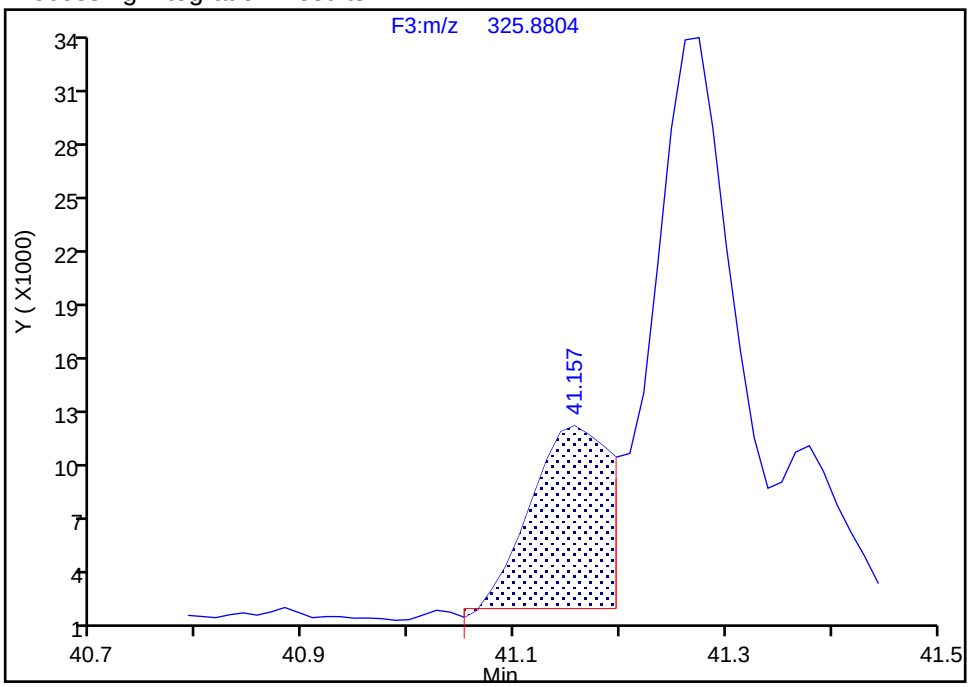
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

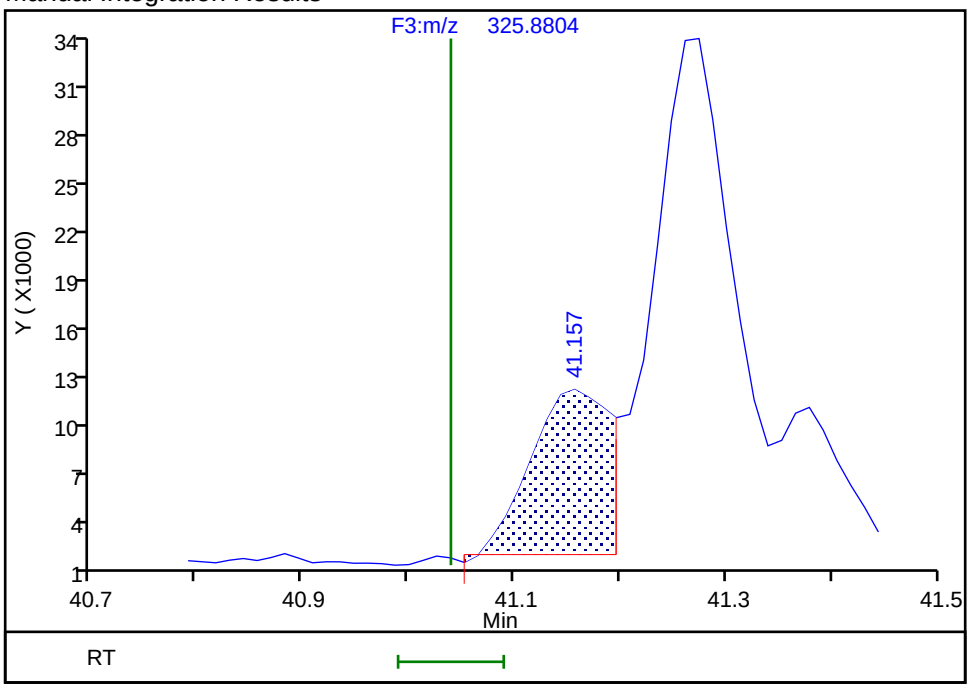
Processing Integration Results

RT: 41.16
Area: 49785
Amount: 1.151724
Amount Units: pg/ul




Manual Integration Results

RT: 41.16
Area: 49785
Amount: 1.688326
Amount Units: pg/ul

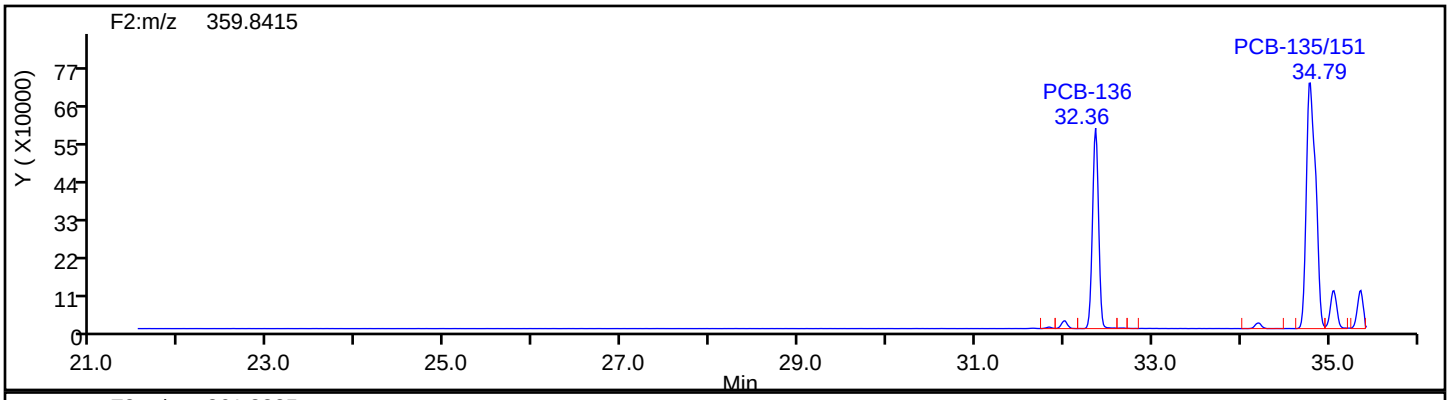


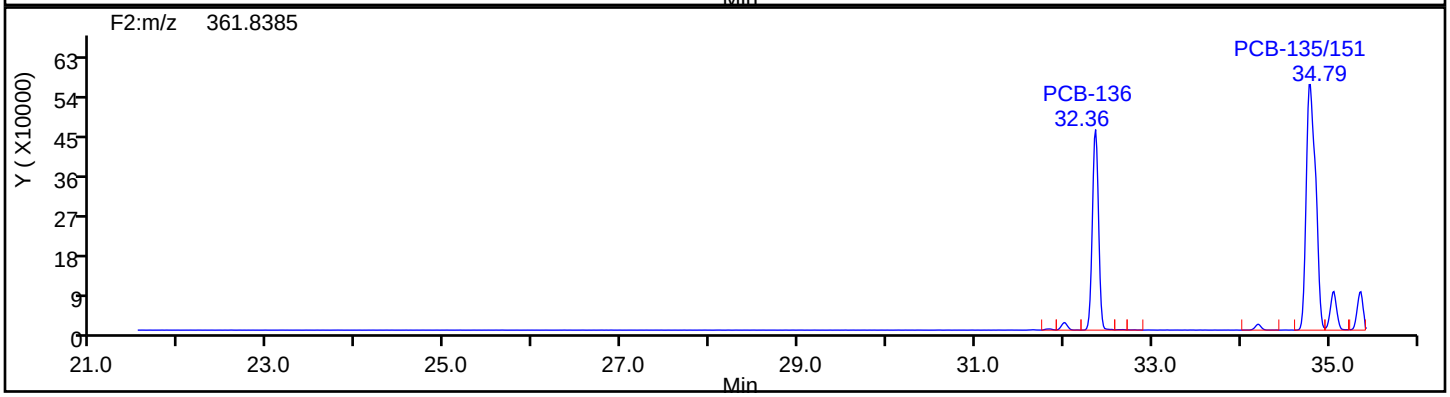

Reviewer: mcwhirterl, 09-Oct-2019 23:23:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

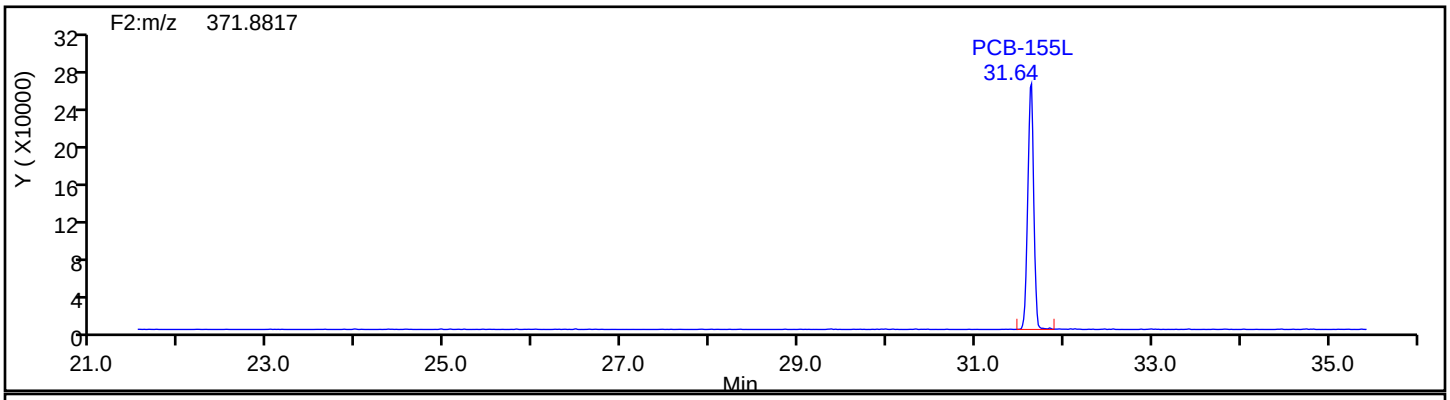
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

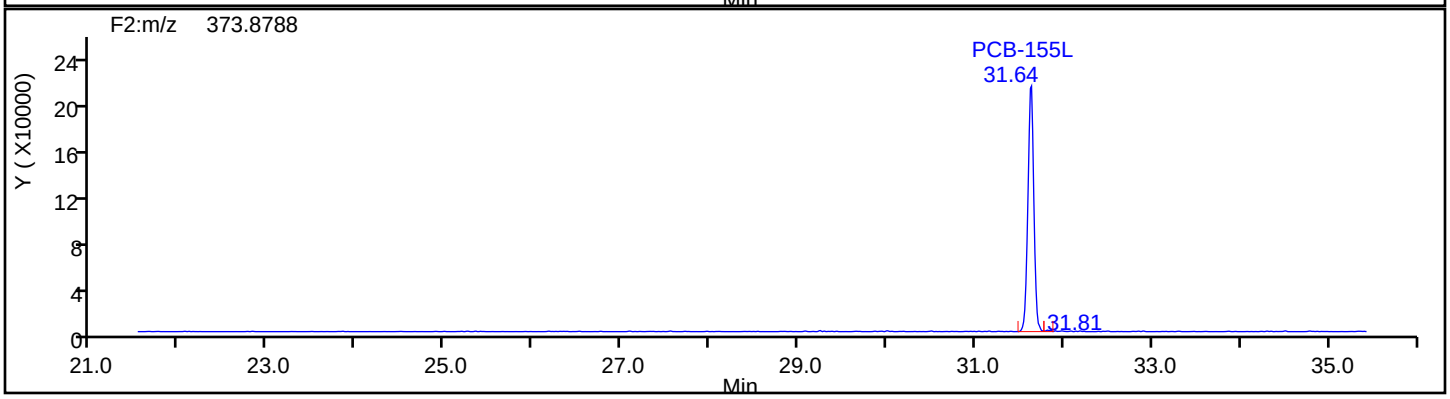
HxPCB F2




HxPCB F2 Standards

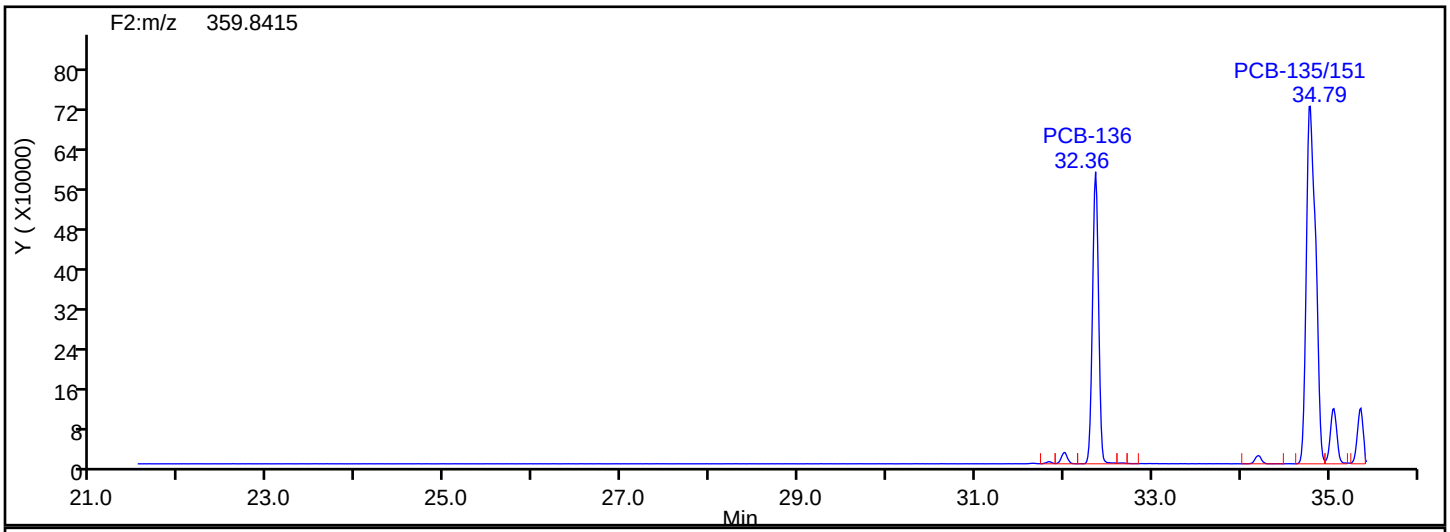


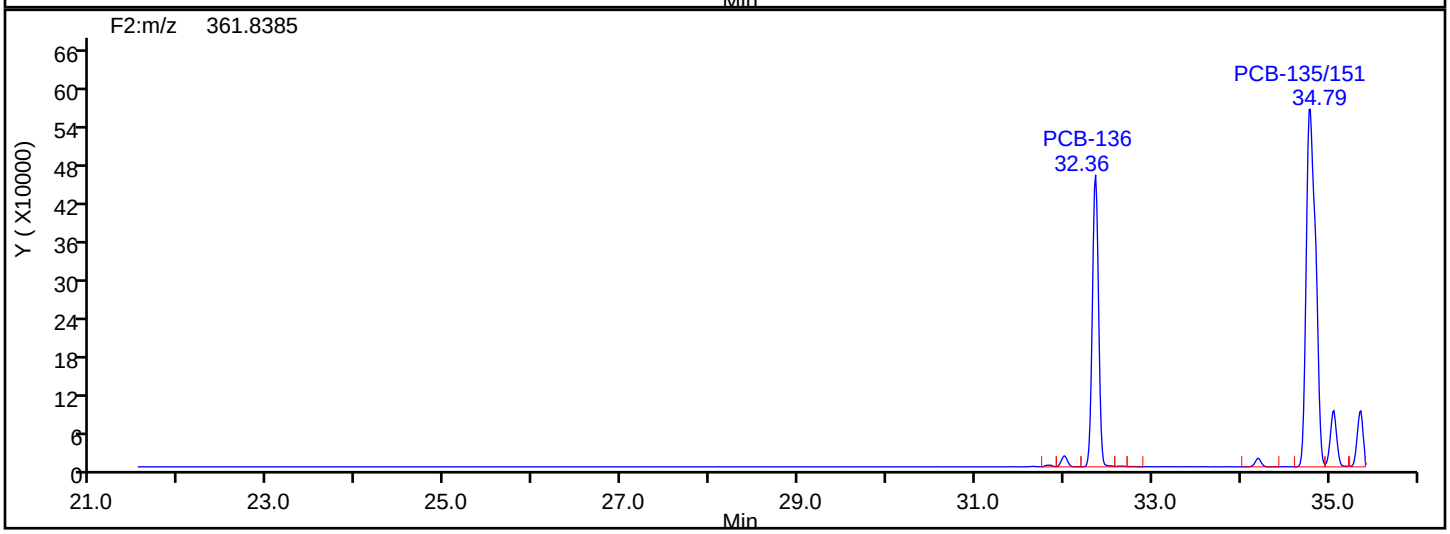



Eurofins TestAmerica, Knoxville

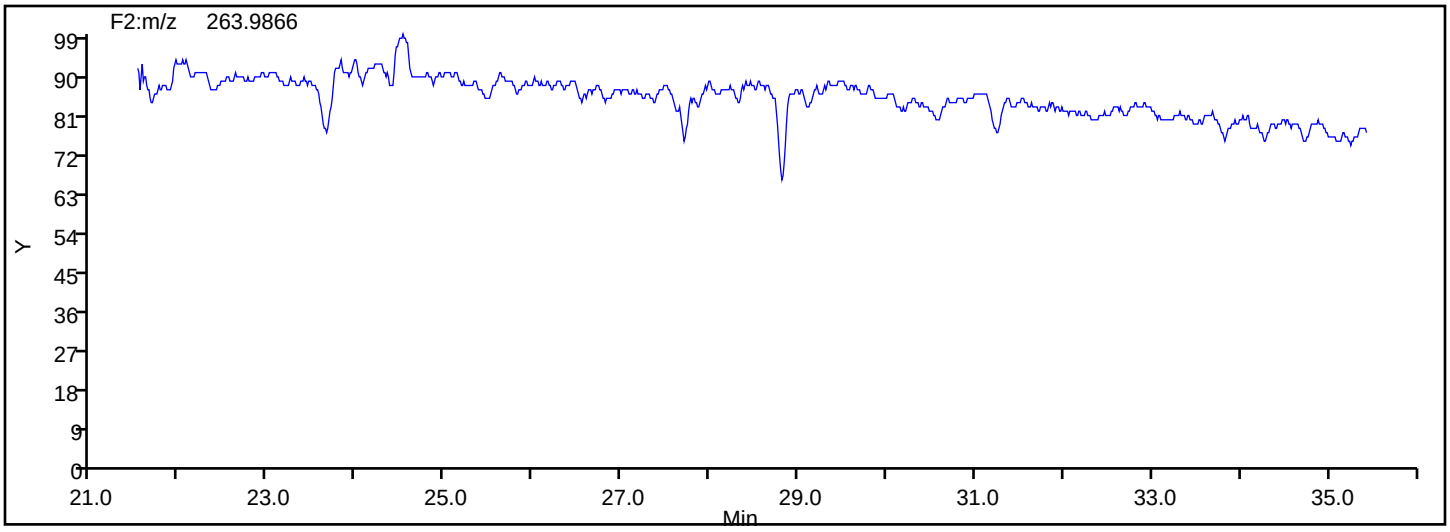
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

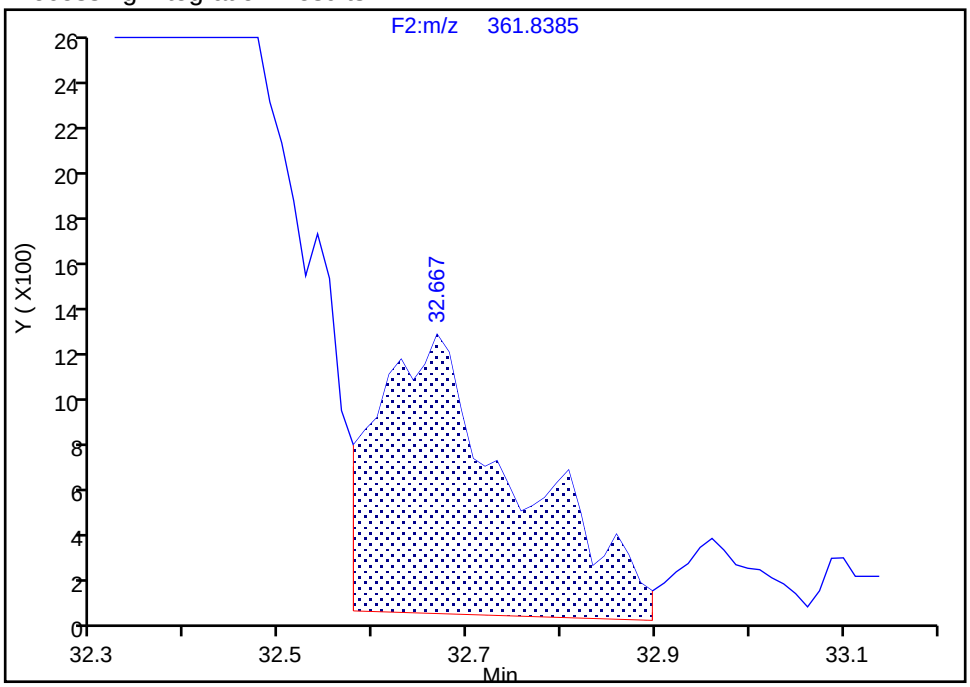
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

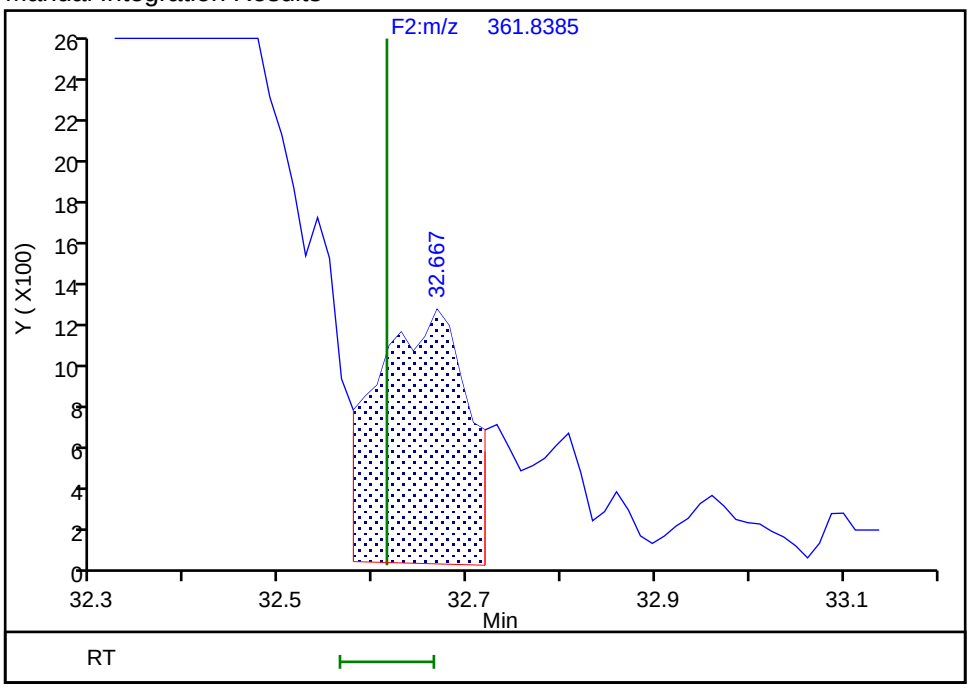
Processing Integration Results

RT: 32.67
Area: 12273
Amount: 0.971920
Amount Units: pg/ul




Manual Integration Results

RT: 32.67
Area: 7762
Amount: 0.654300
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:23:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

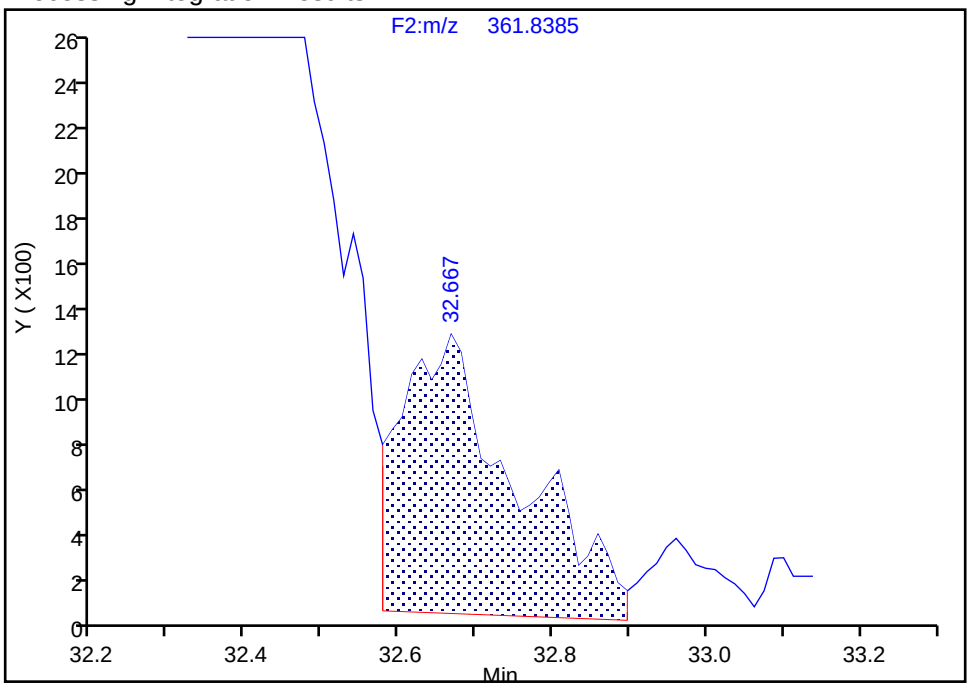
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 3

Processing Integration Results

RT: 32.68
Area: 25545
Amount: 0.971920
Amount Units: pg/ul




Manual Integration Results

RT: 32.68
Area: 17197
Amount: 0.654300
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:23:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

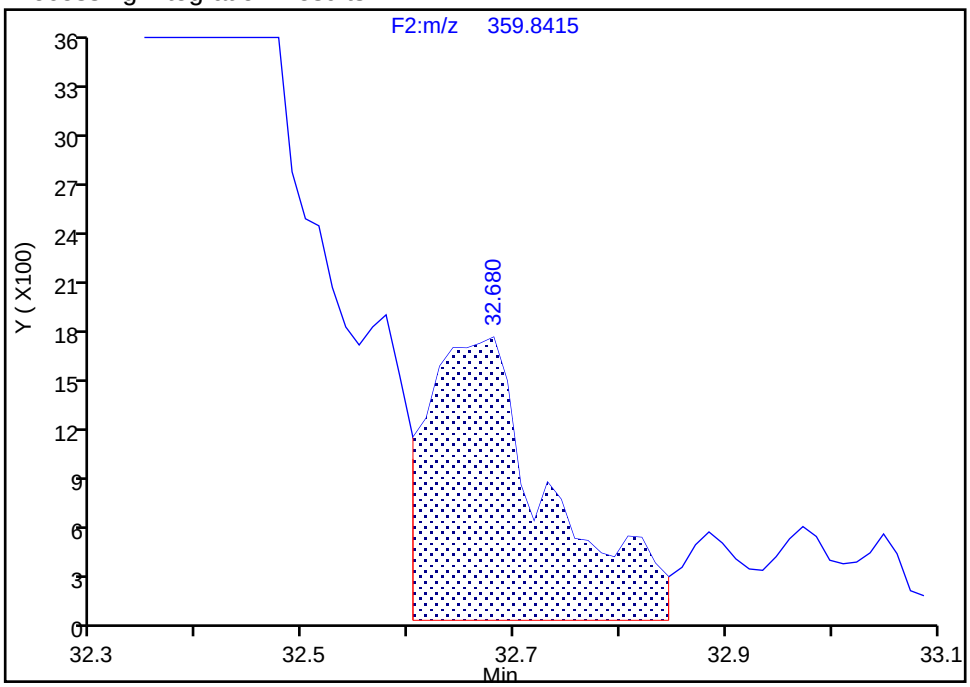
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

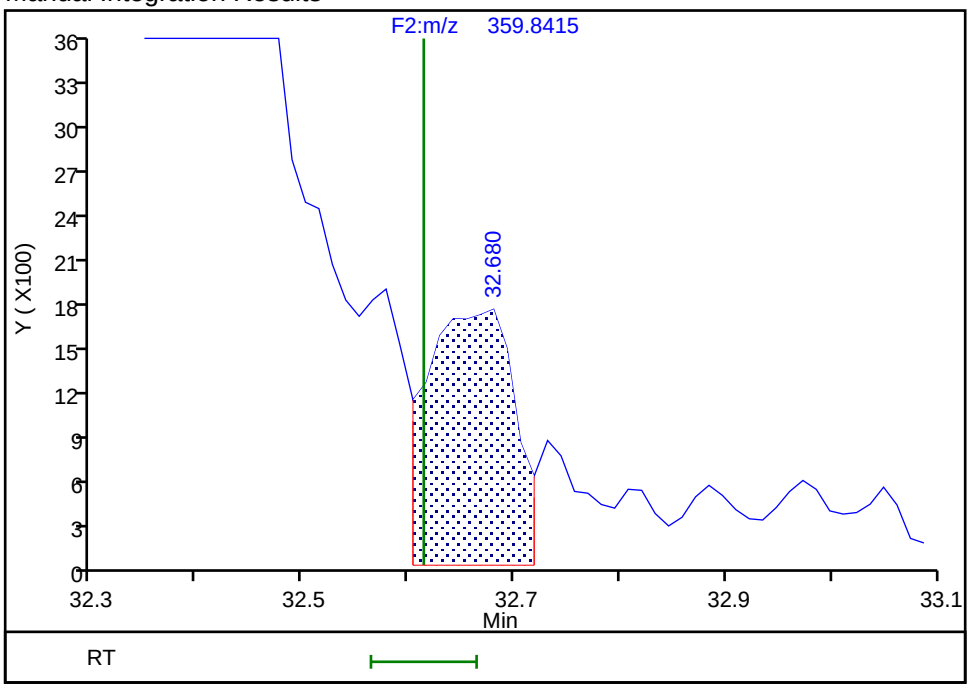
Processing Integration Results

RT: 32.68
Area: 13272
Amount: 0.971920
Amount Units: pg/ul




Manual Integration Results

RT: 32.68
Area: 9435
Amount: 0.654300
Amount Units: pg/ul

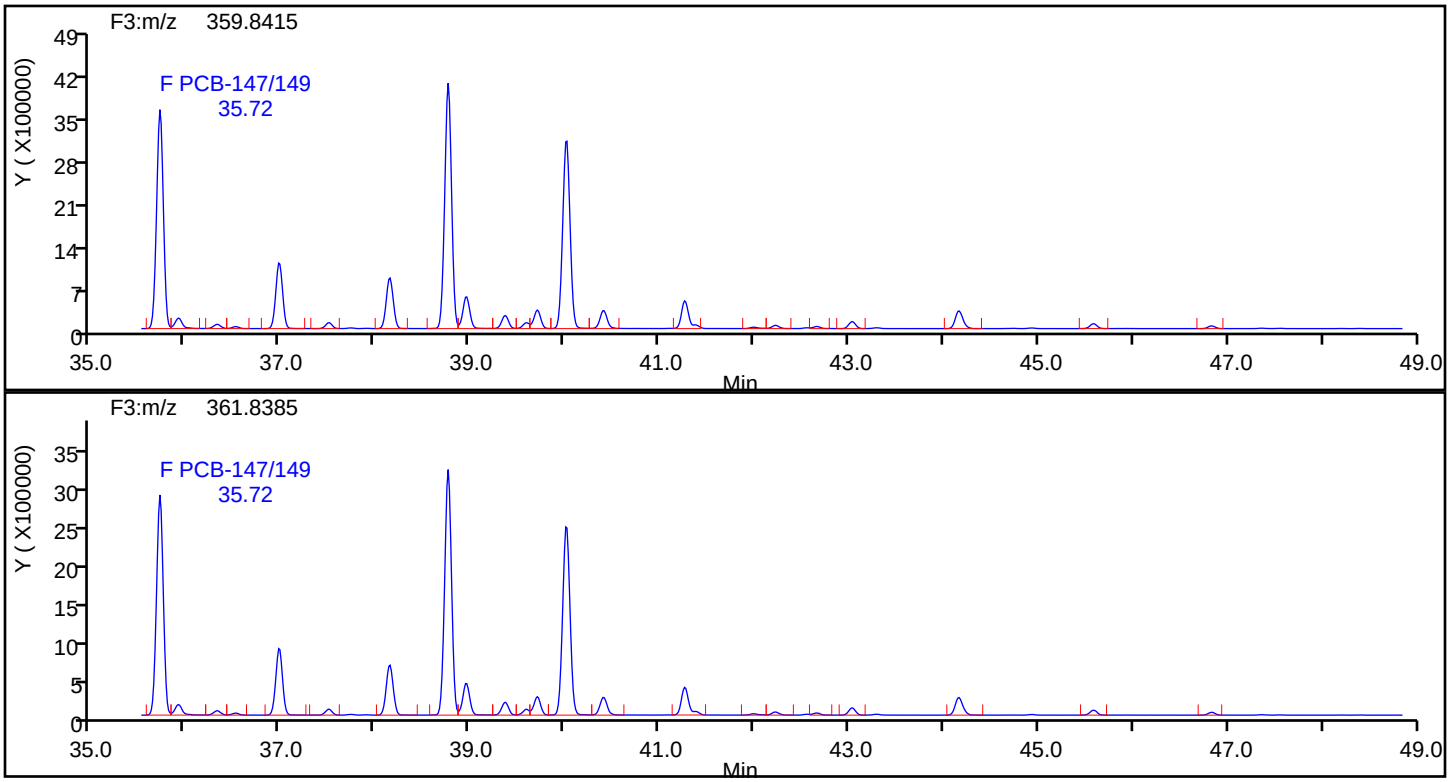



Reviewer: mcwhirterl, 09-Oct-2019 23:23:54
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

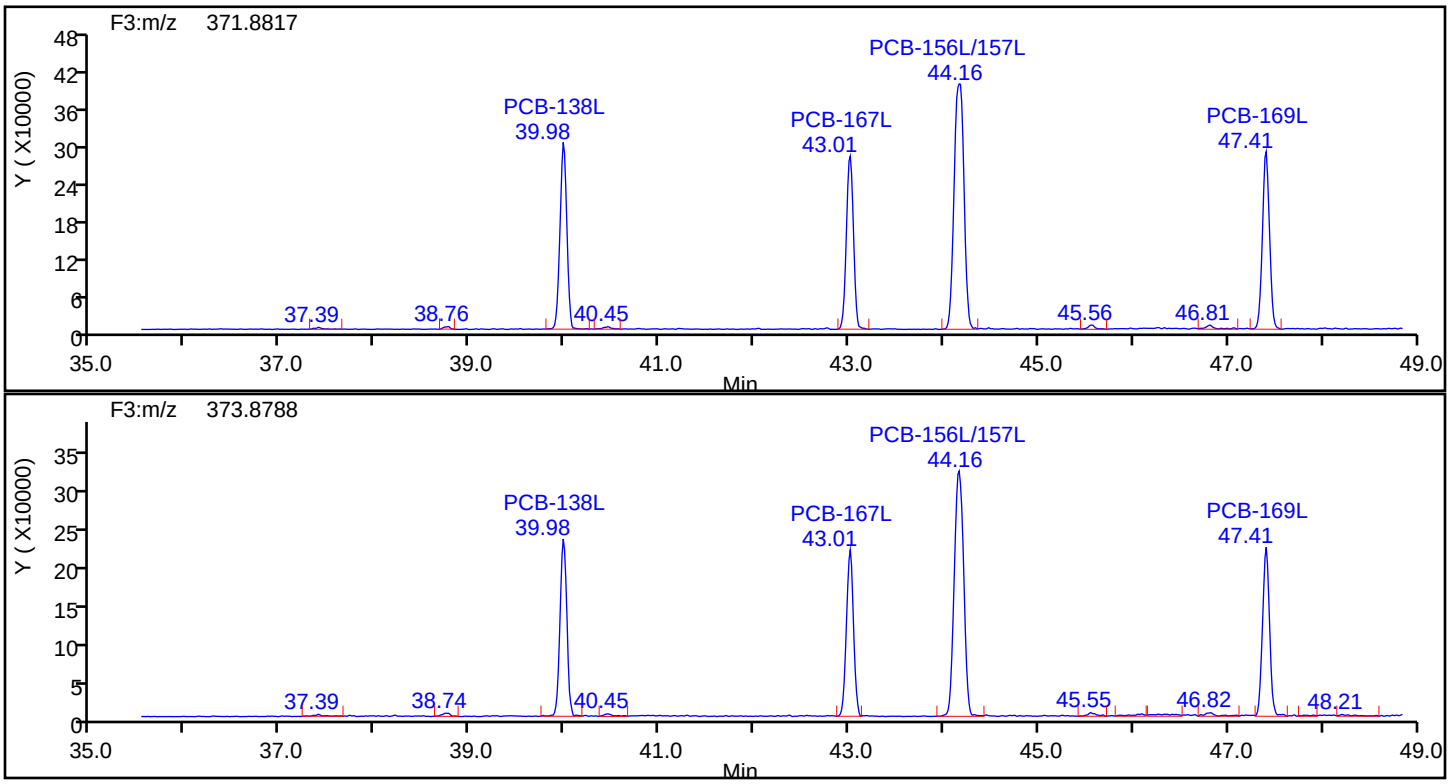
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



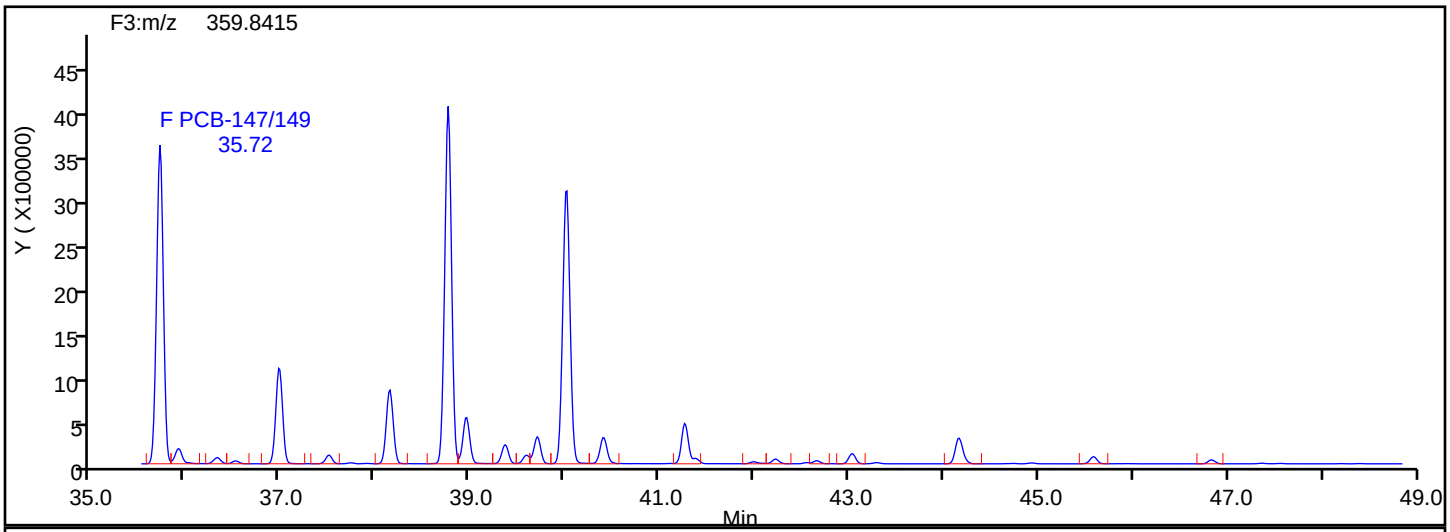

HxPCB F3 Standards

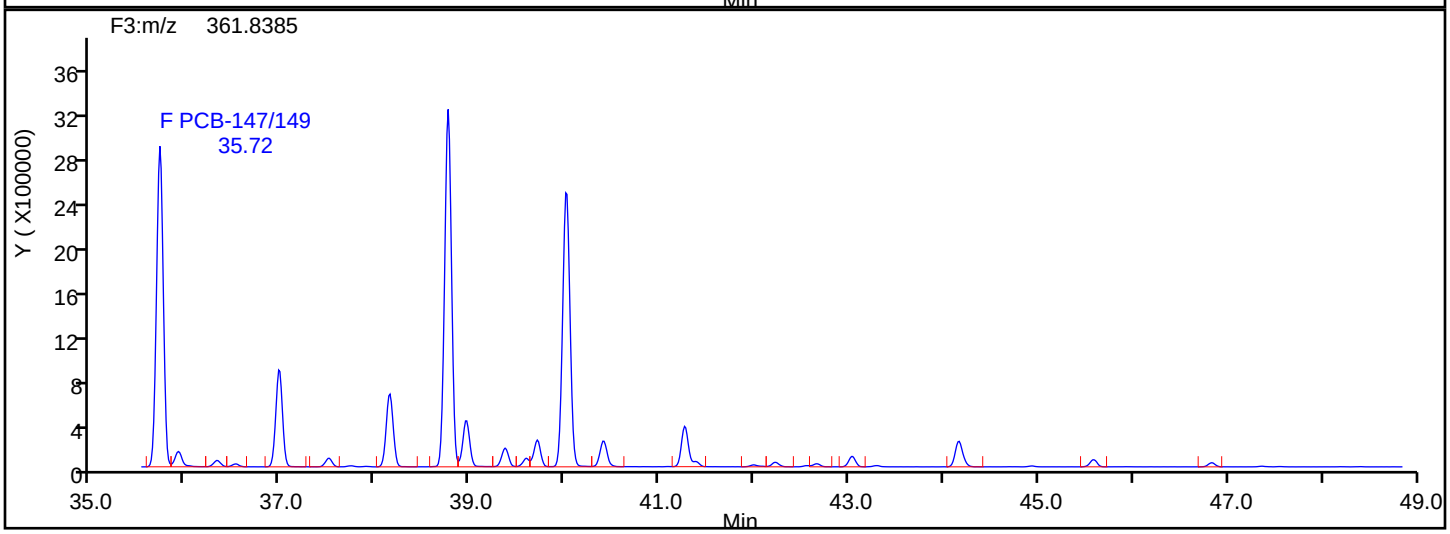


Eurofins TestAmerica, Knoxville

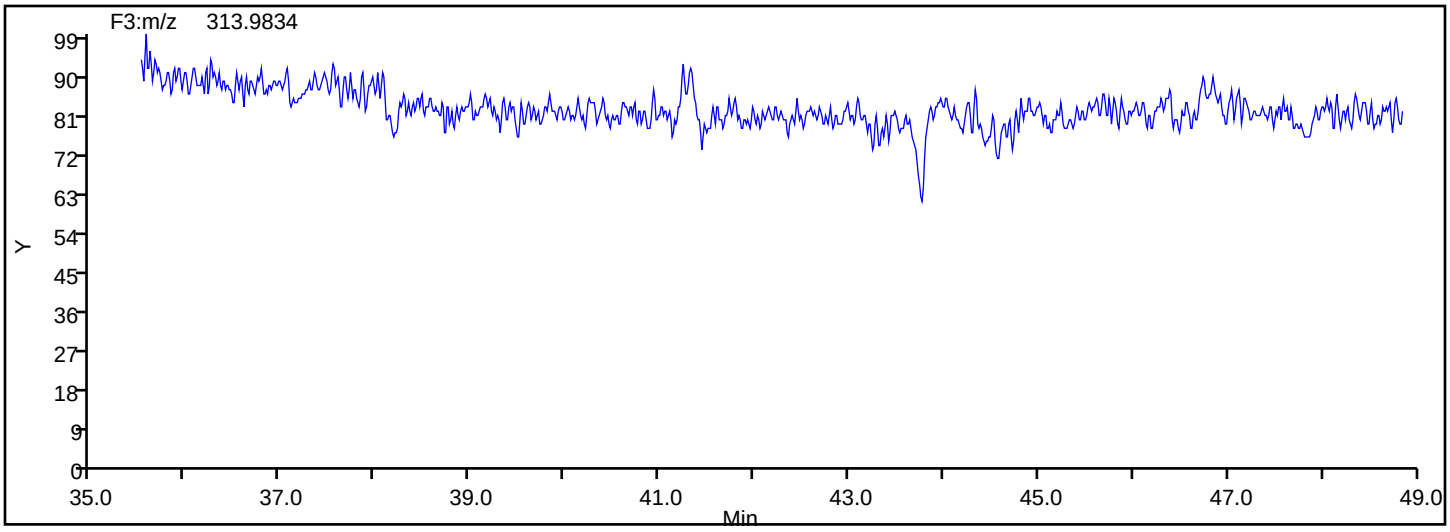
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

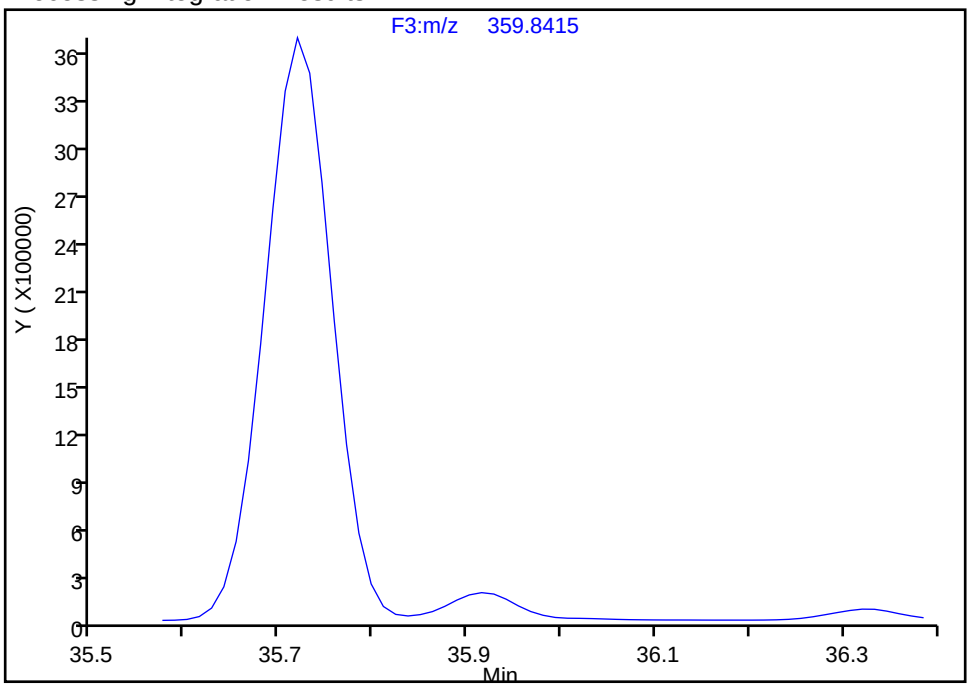
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

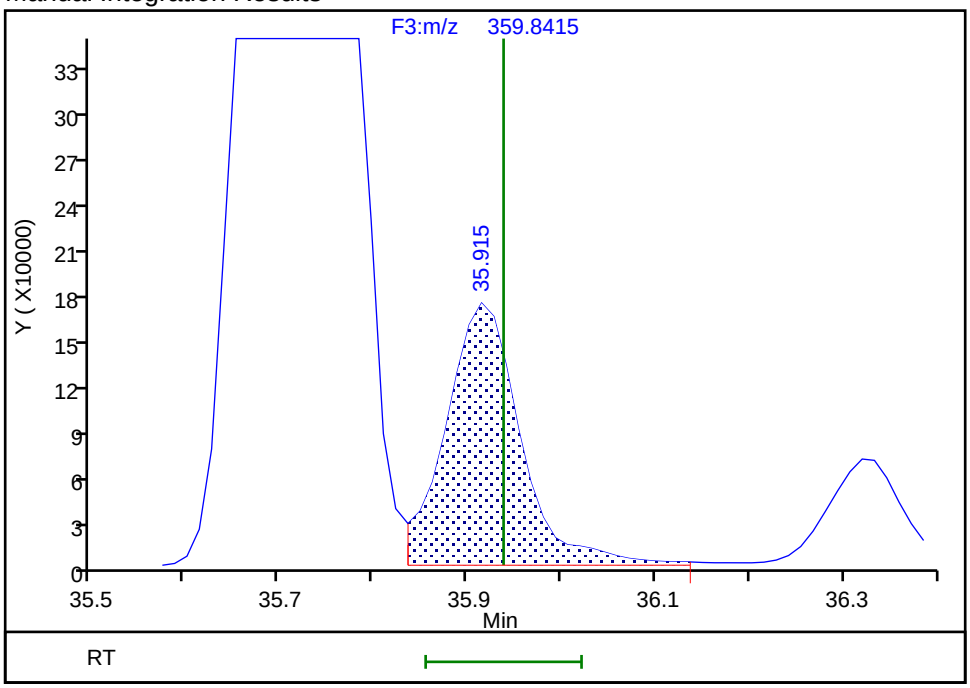
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.91
Area: 949090
Amount: 77.303469
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:24:06
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

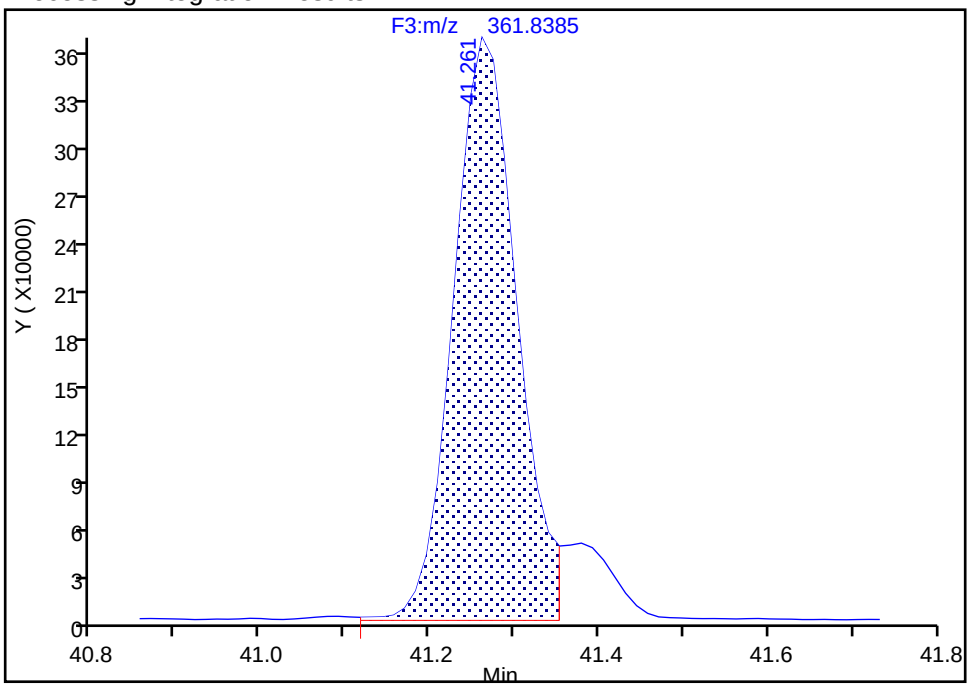
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

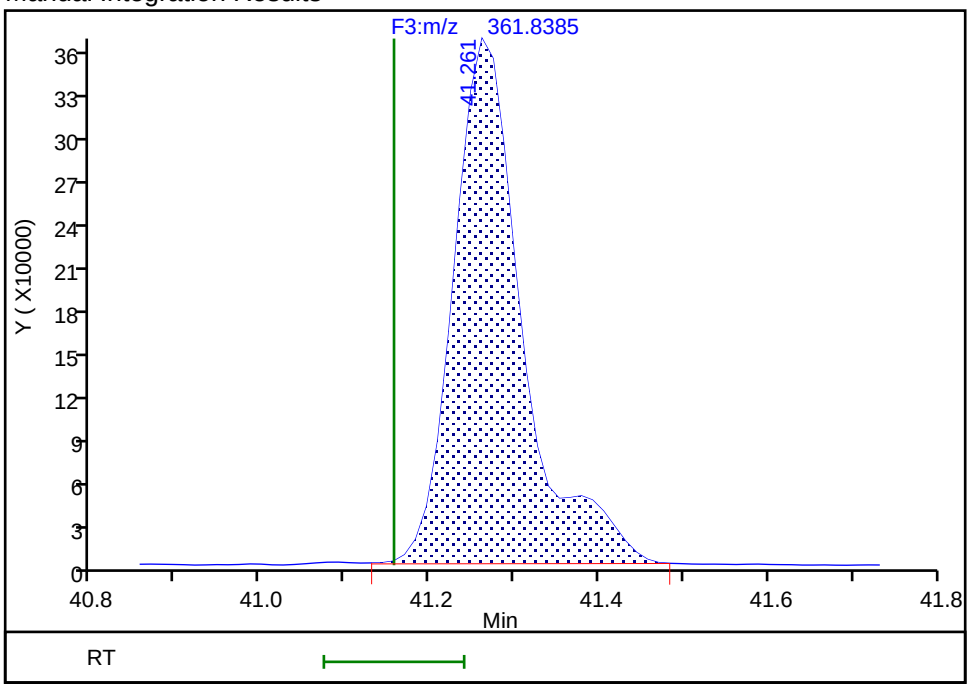
Processing Integration Results

RT: 41.26
Area: 1895989
Amount: 154.7360
Amount Units: pg/ul




Manual Integration Results

RT: 41.26
Area: 2070513
Amount: 160.7481
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:24:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

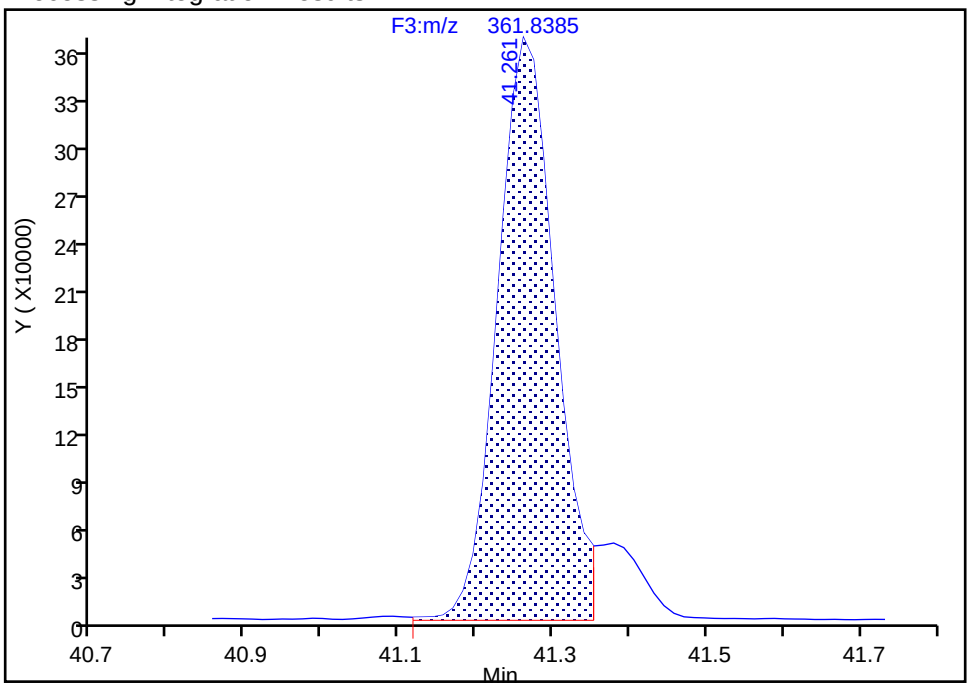
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 3

Processing Integration Results

RT: 41.26
Area: 4491828
Amount: 154.7360
Amount Units: pg/ul




Manual Integration Results

RT: 41.26
Area: 4666352
Amount: 160.7481
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 23:24:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

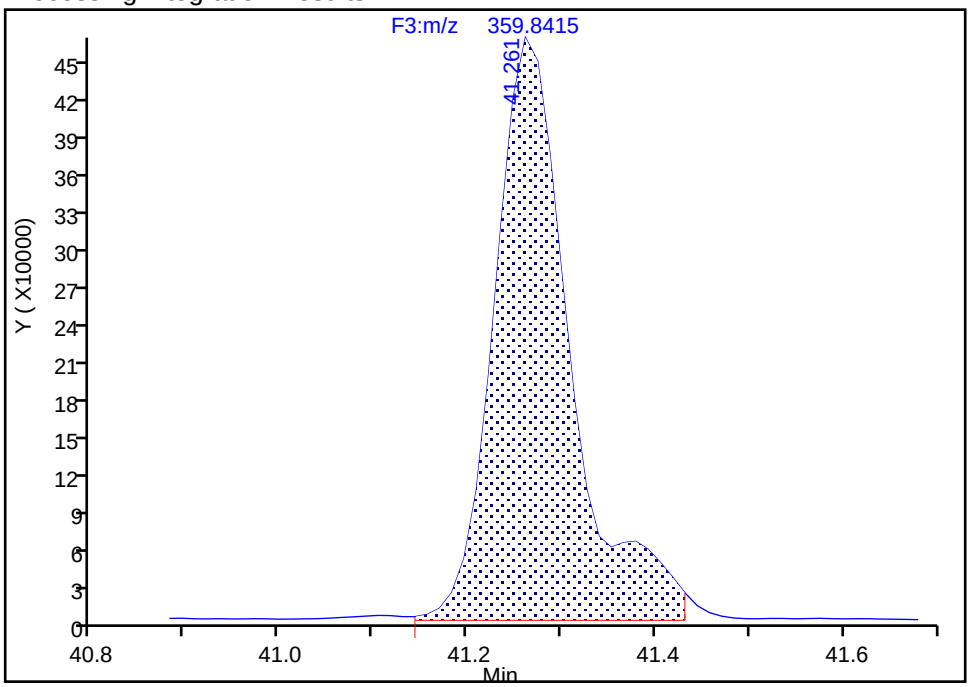
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-F | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

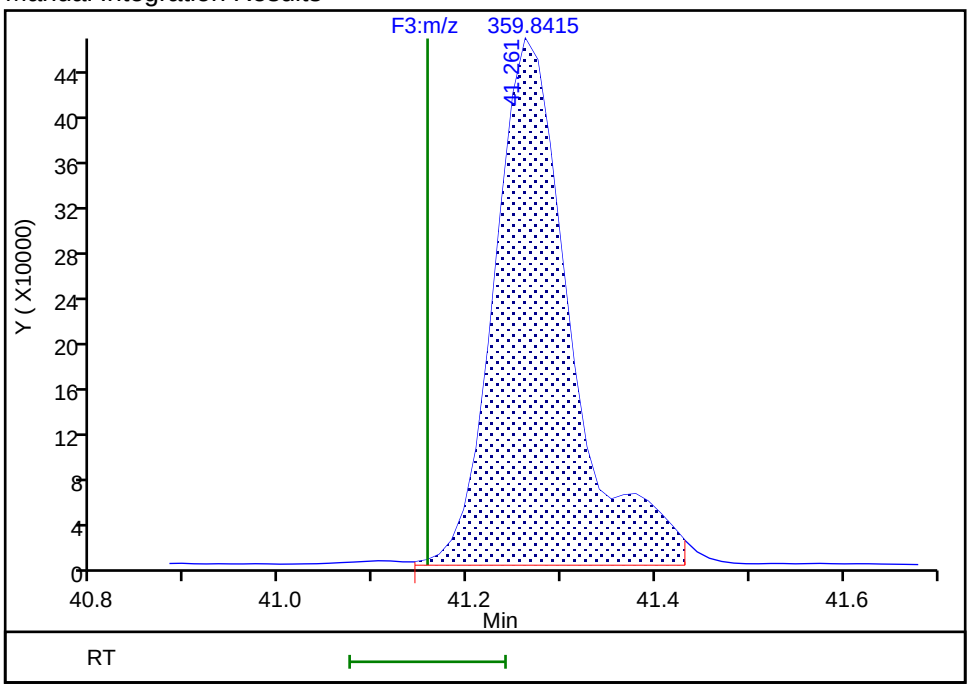
Processing Integration Results

RT: 41.26
Area: 2595839
Amount: 154.7360
Amount Units: pg/ul




Manual Integration Results

RT: 41.26
Area: 2595839
Amount: 160.7481
Amount Units: pg/ul



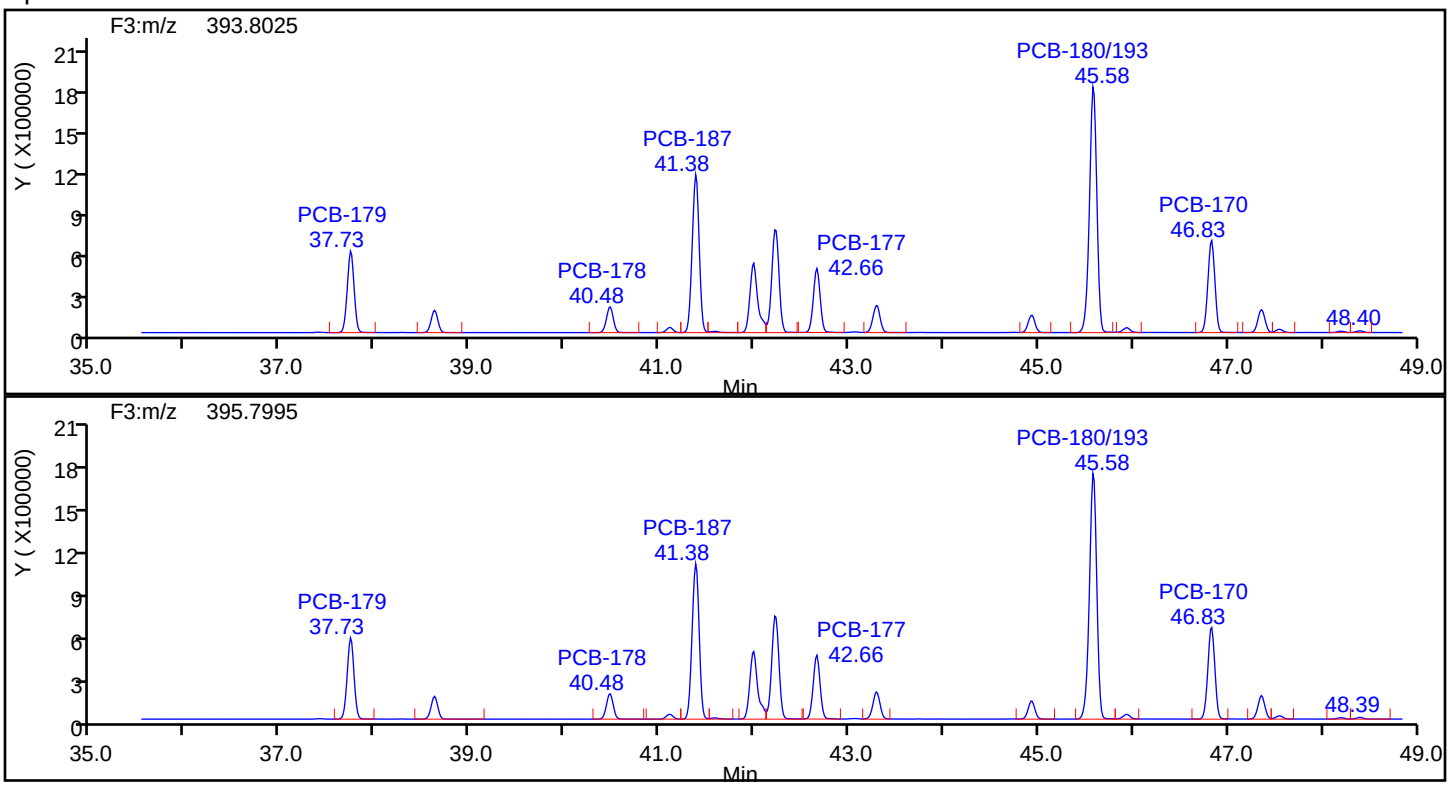

Reviewer: mcwhirterl, 09-Oct-2019 23:24:35

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

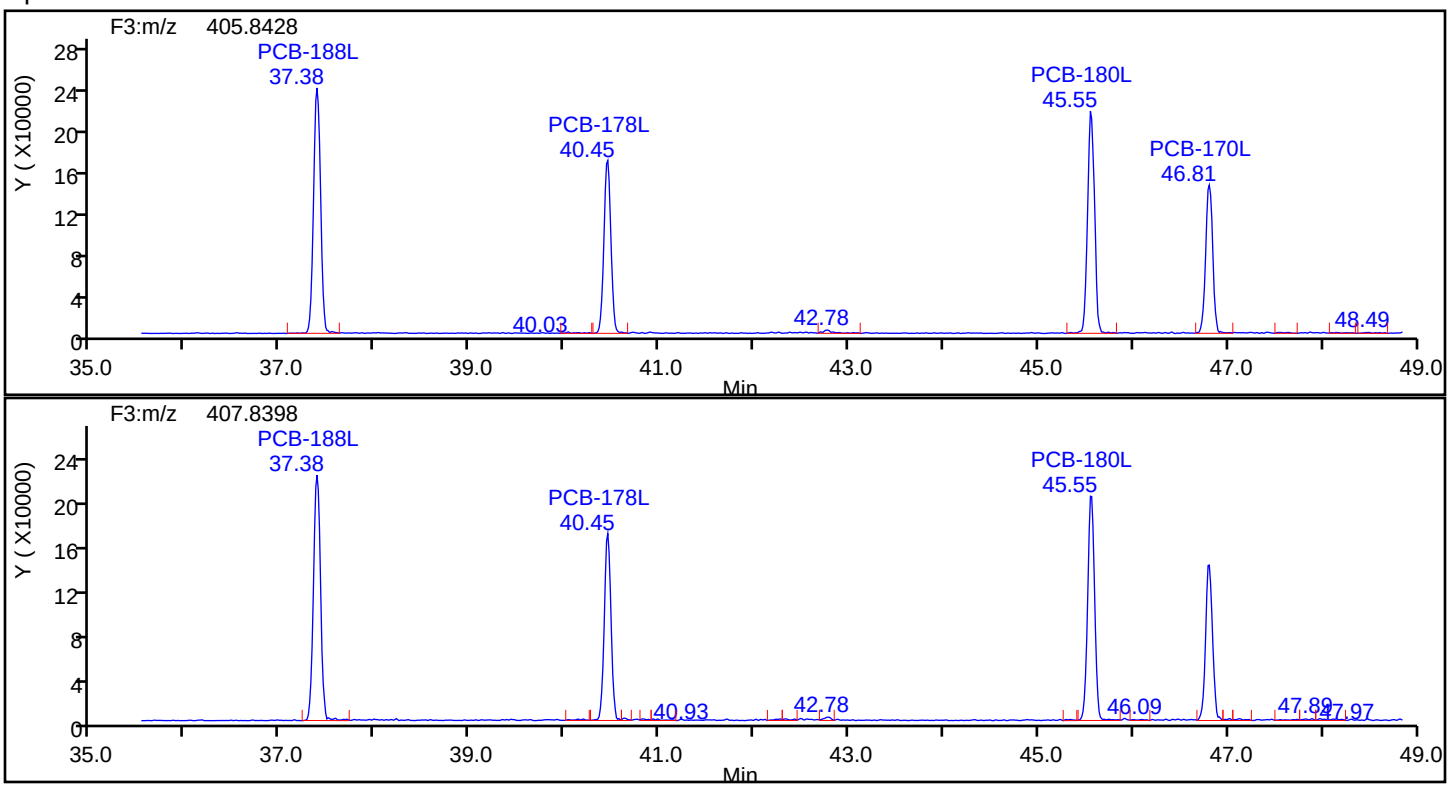
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



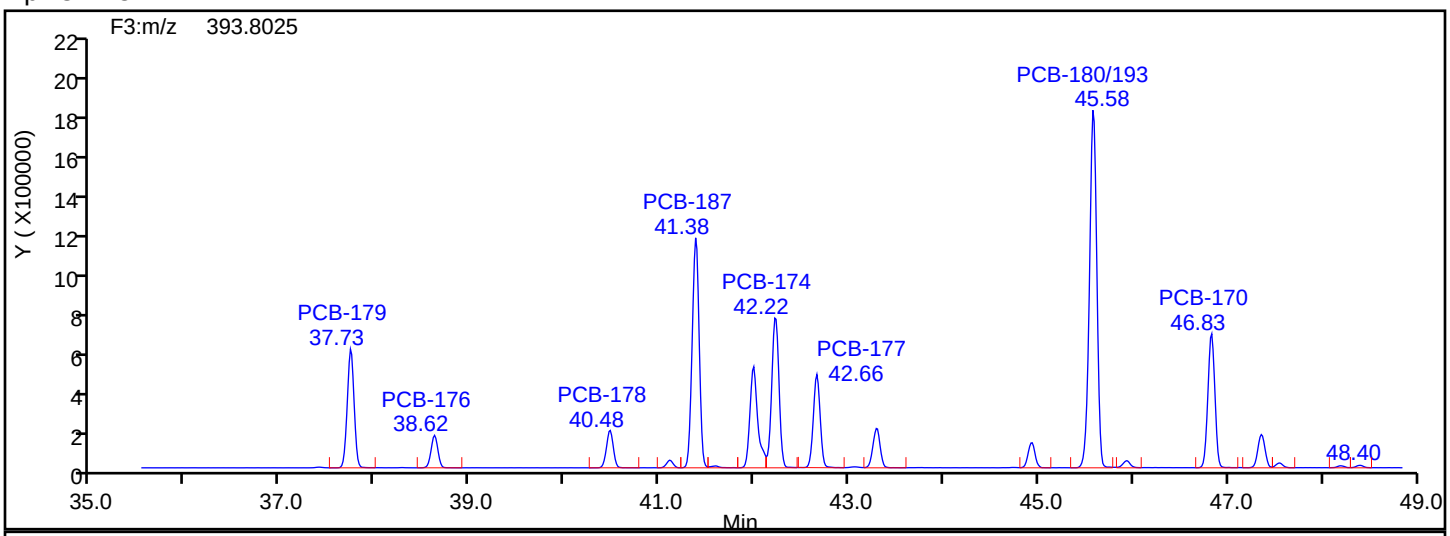

HpPCB F3 Standards

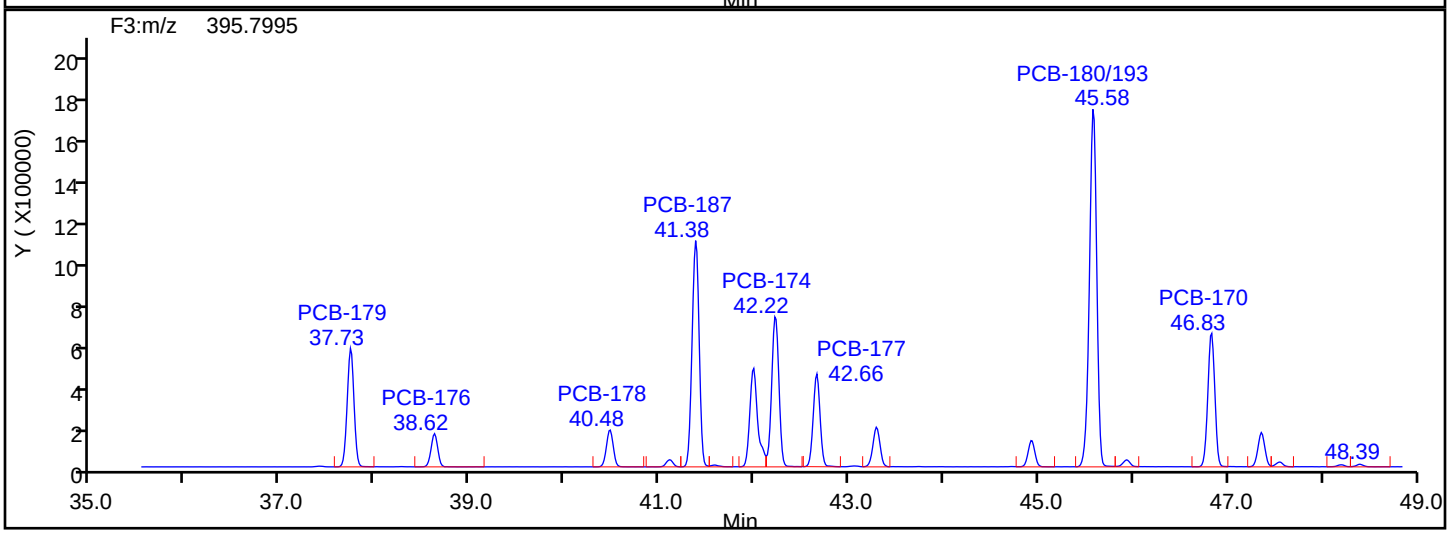


Eurofins TestAmerica, Knoxville

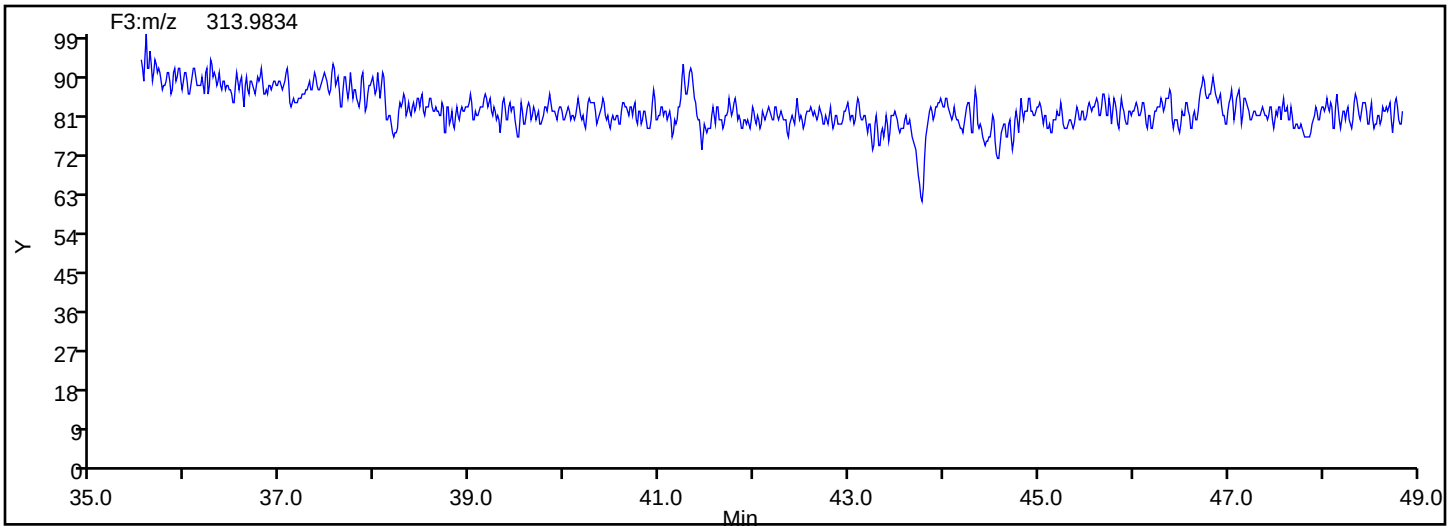
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



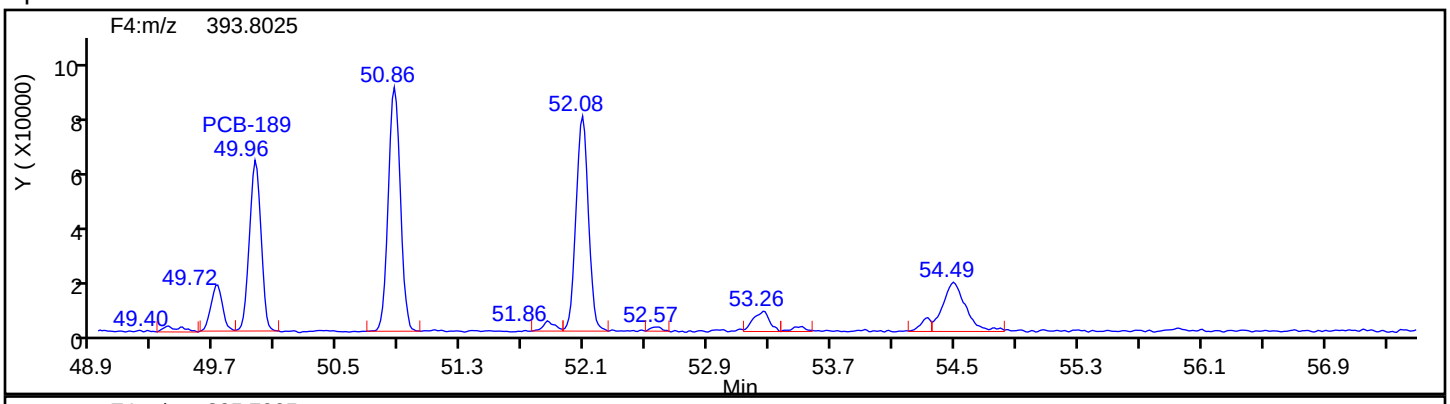

HpPCB F3 Lock Mass

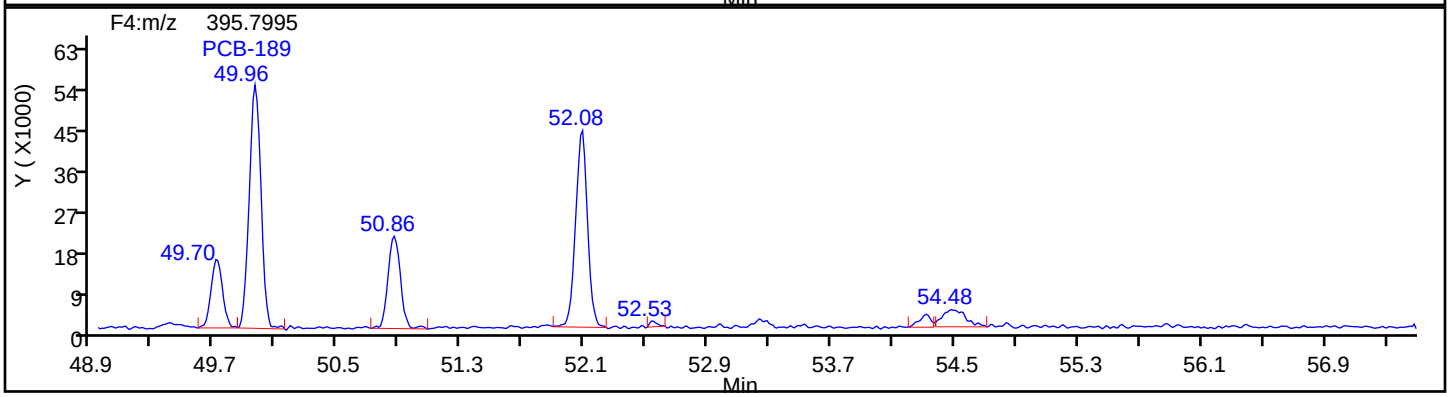


Eurofins TestAmerica, Knoxville

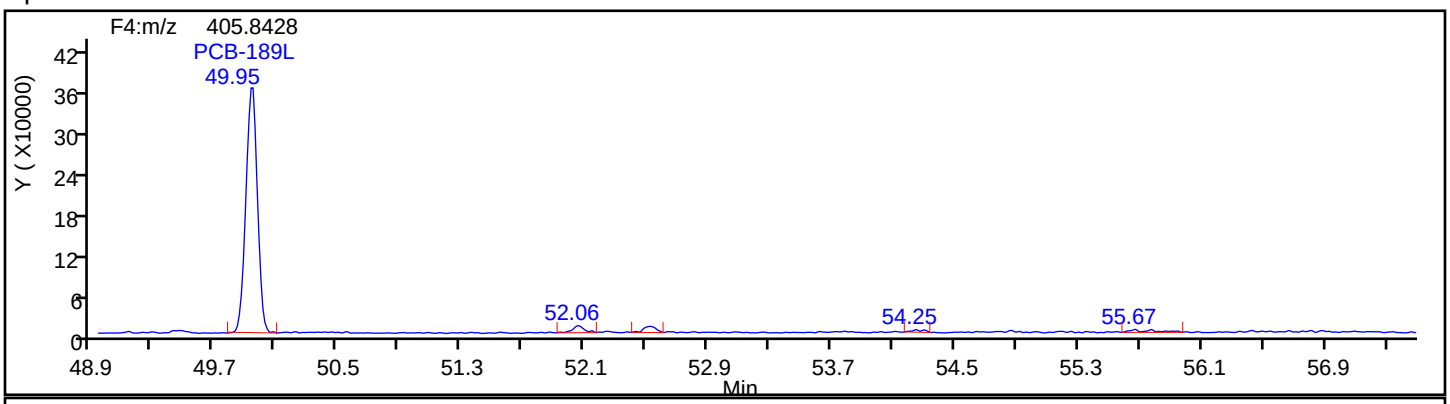
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

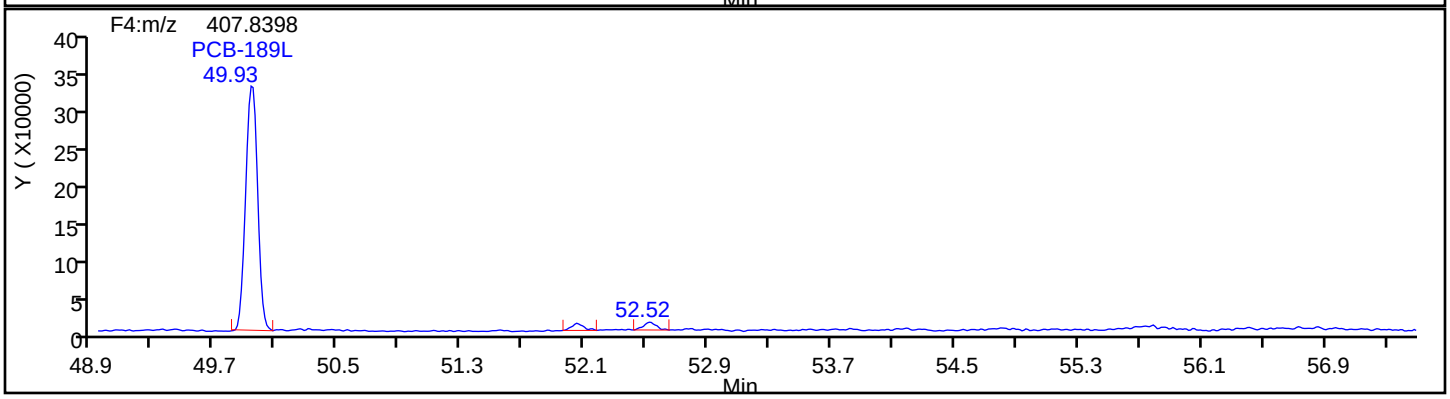
HpPCB F4




HpPCB F4 Standards

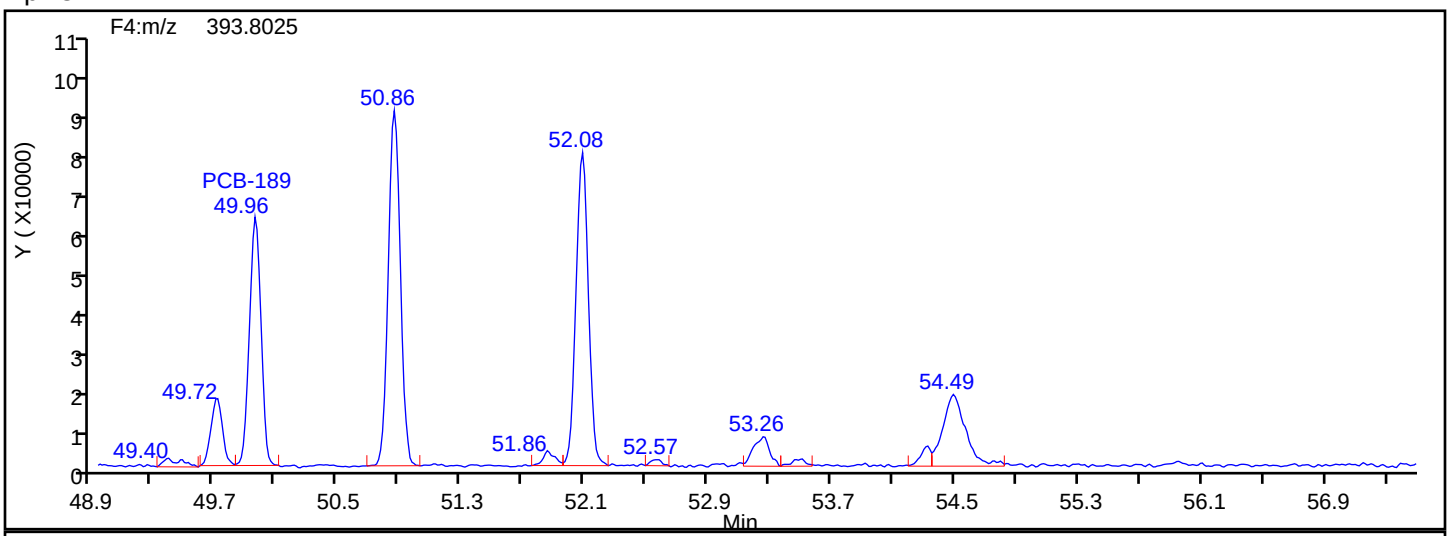


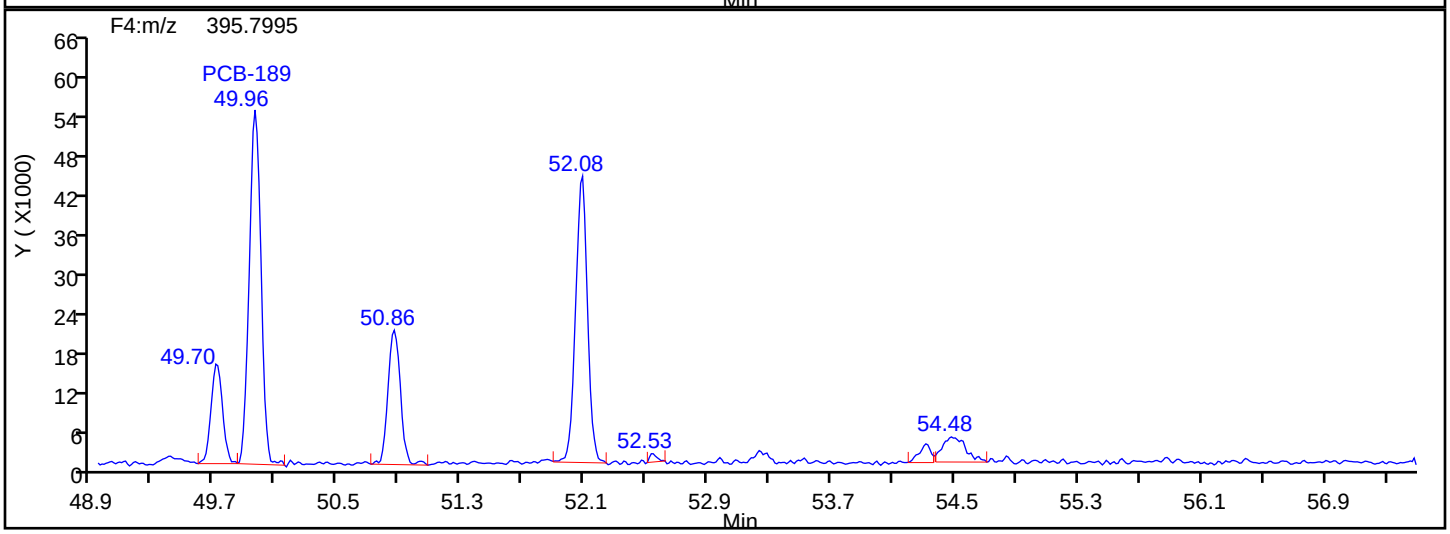



Eurofins TestAmerica, Knoxville

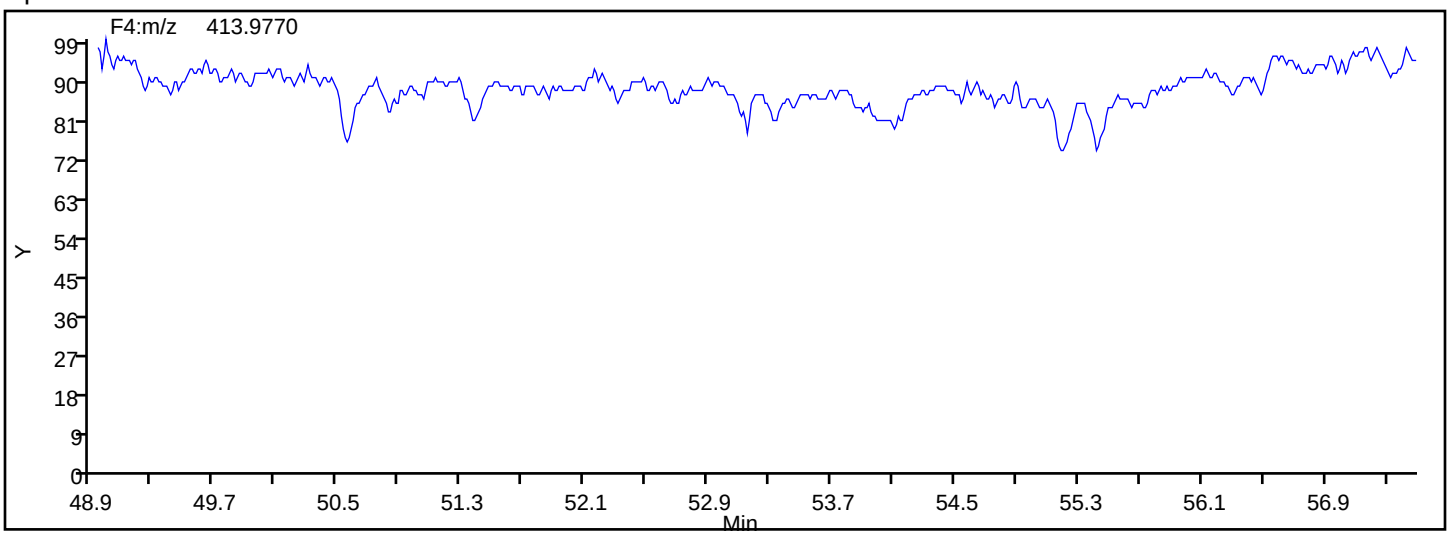
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



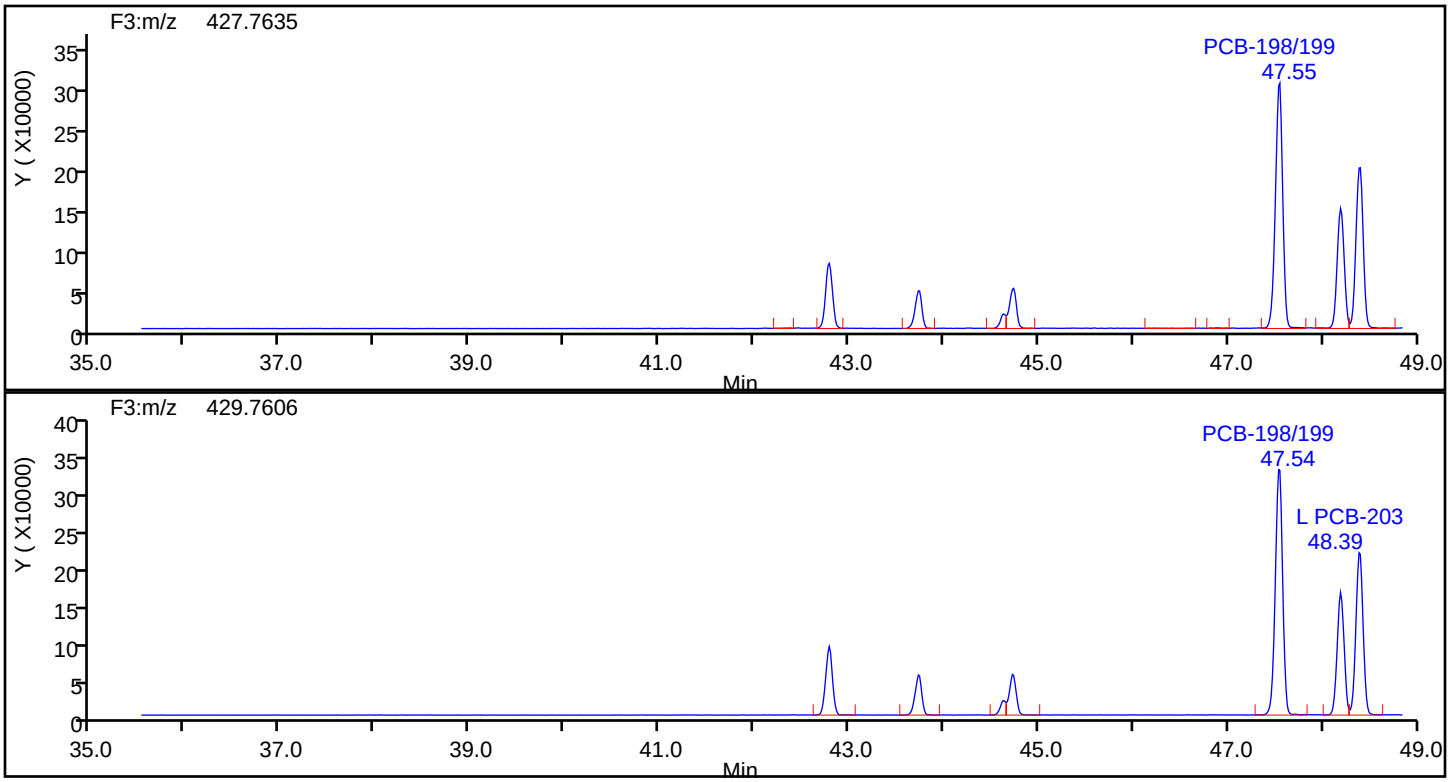

HpPCB F4 Lock Mass



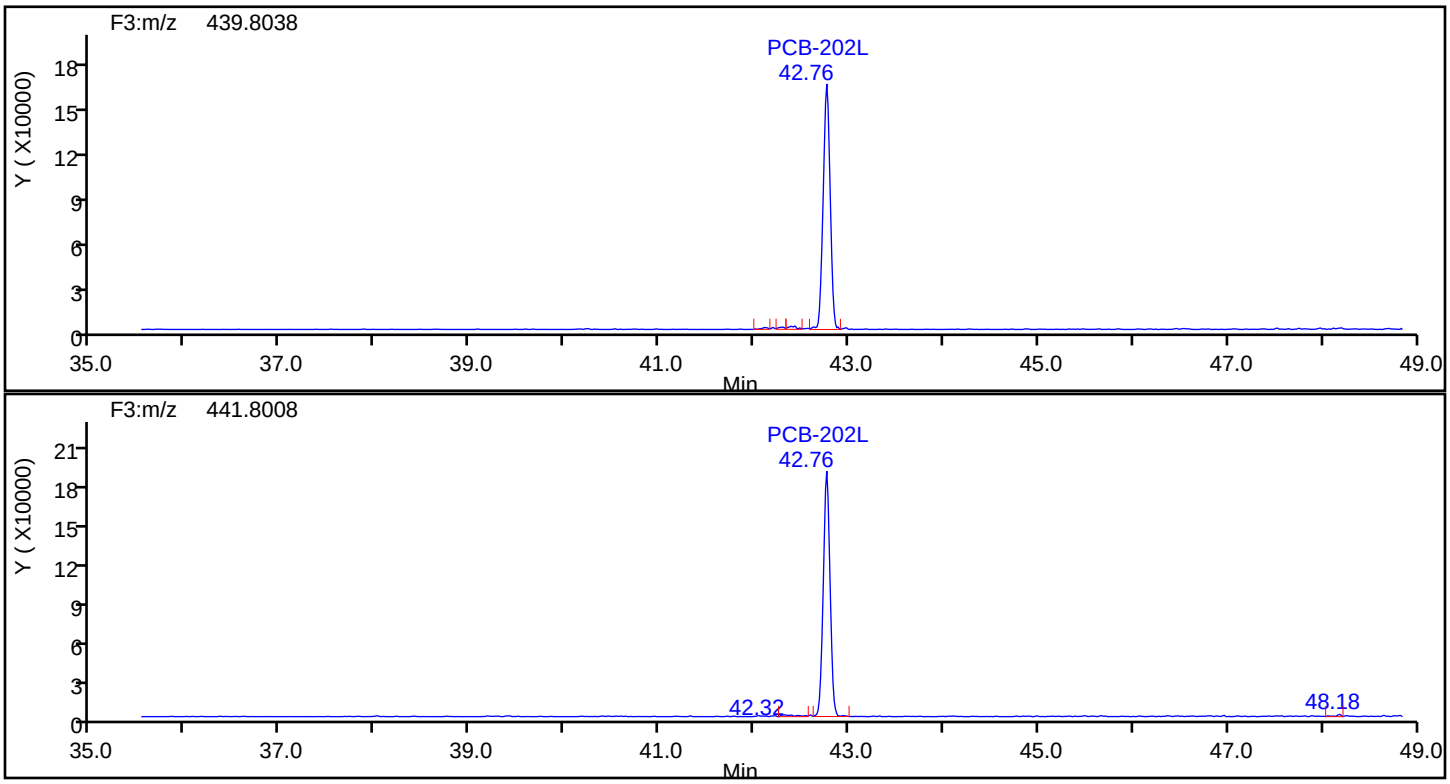
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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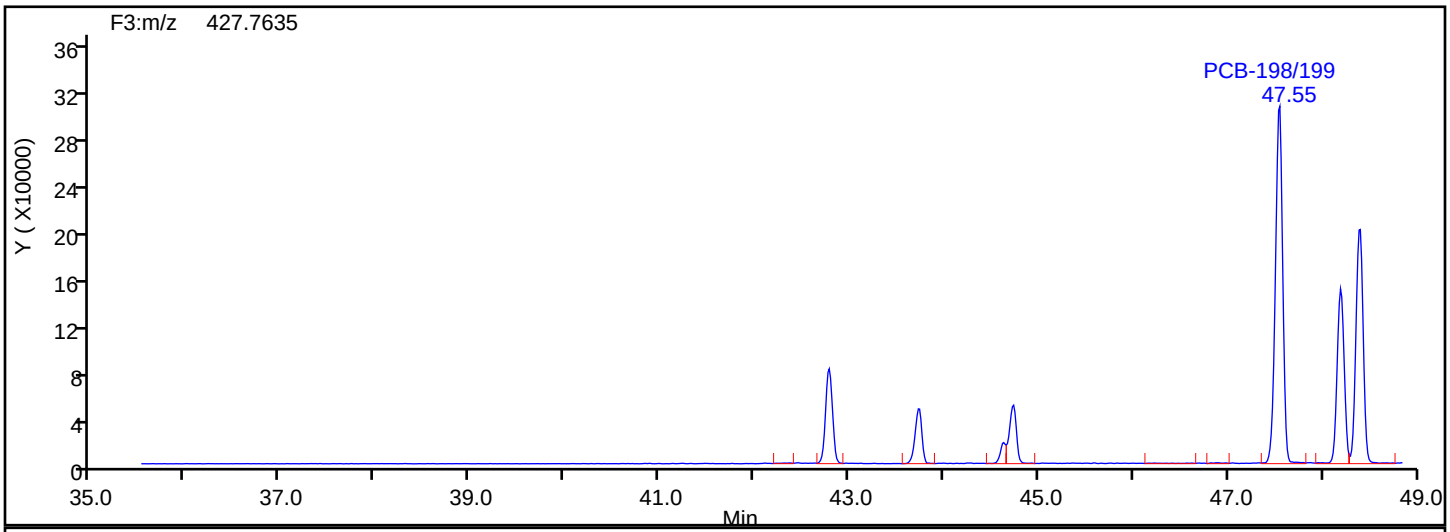
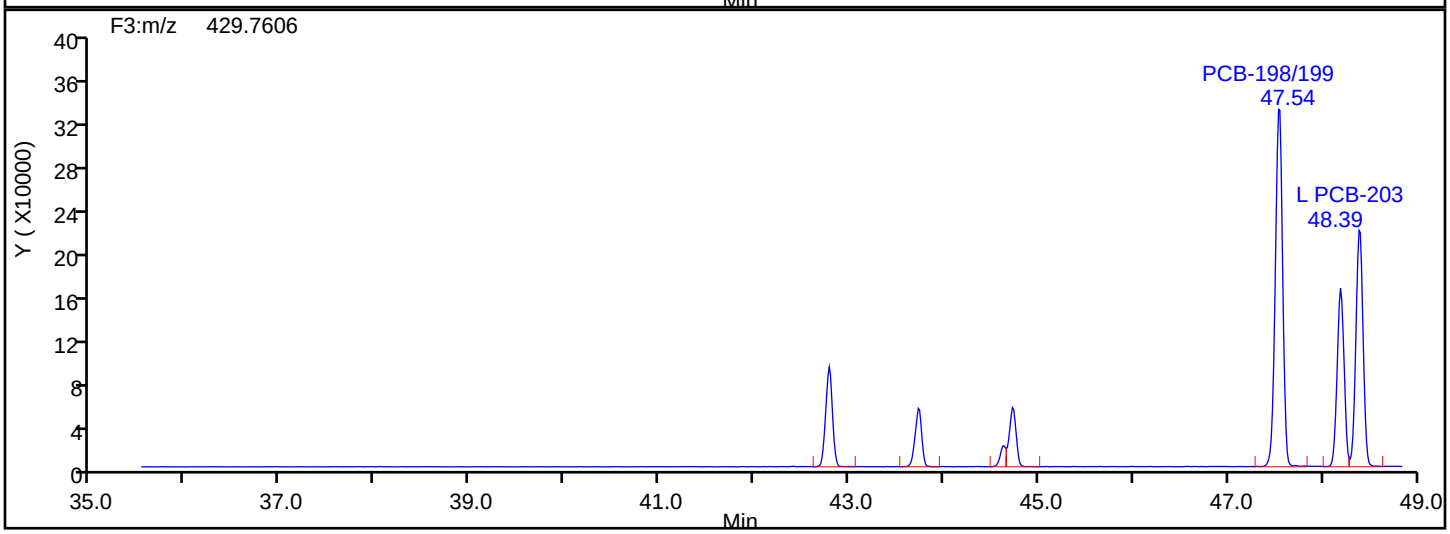
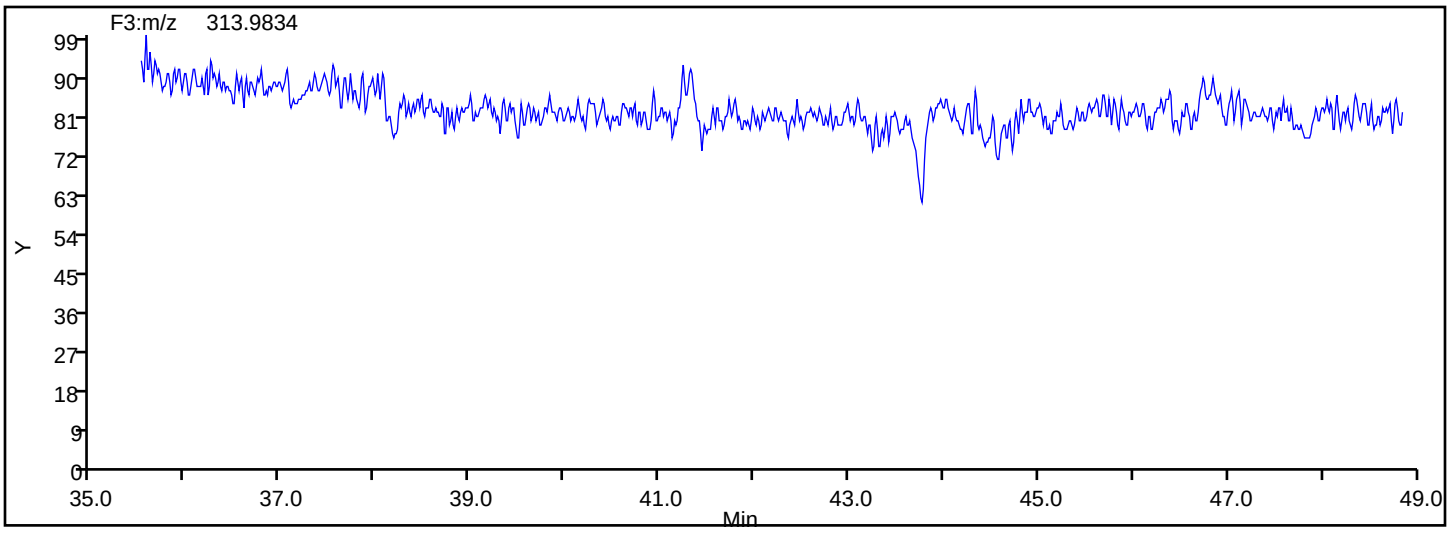
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



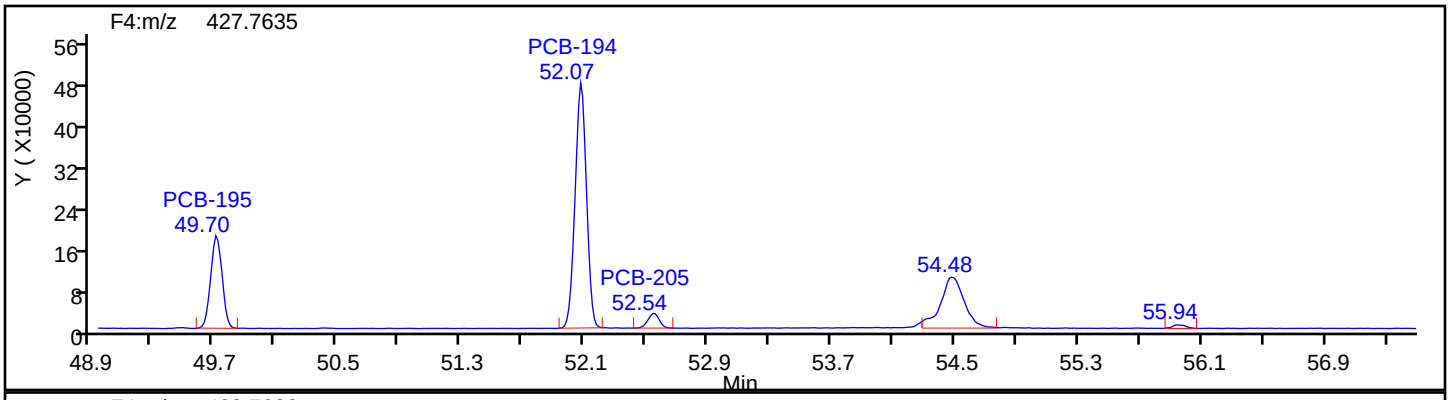

OcPCB F3 Lock Mass

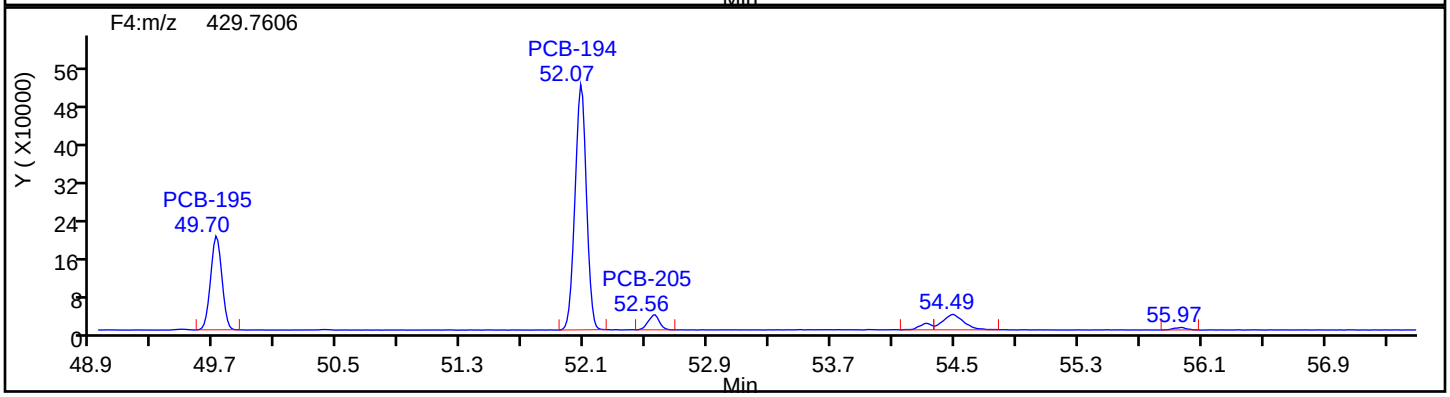


Eurofins TestAmerica, Knoxville

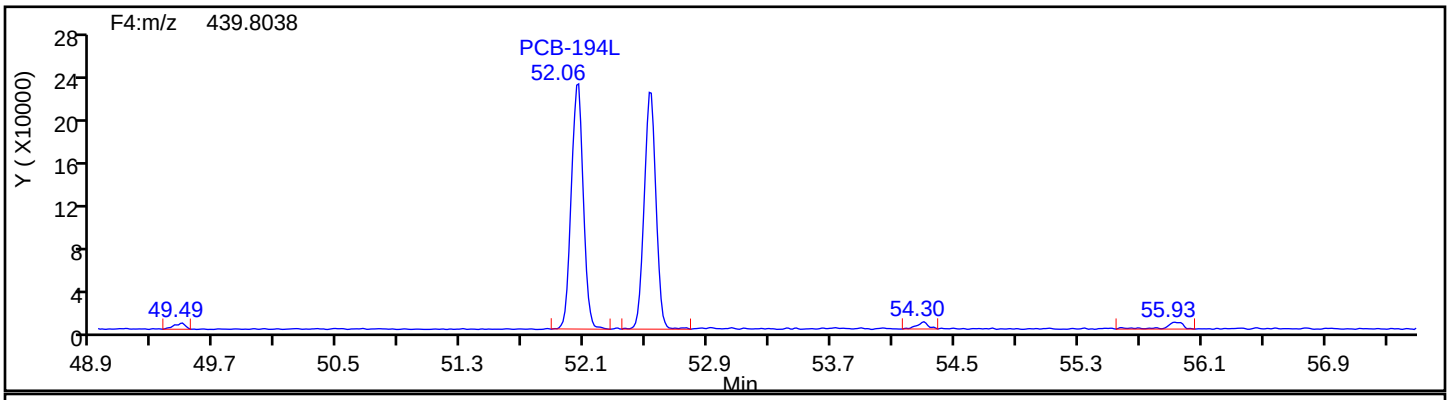
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

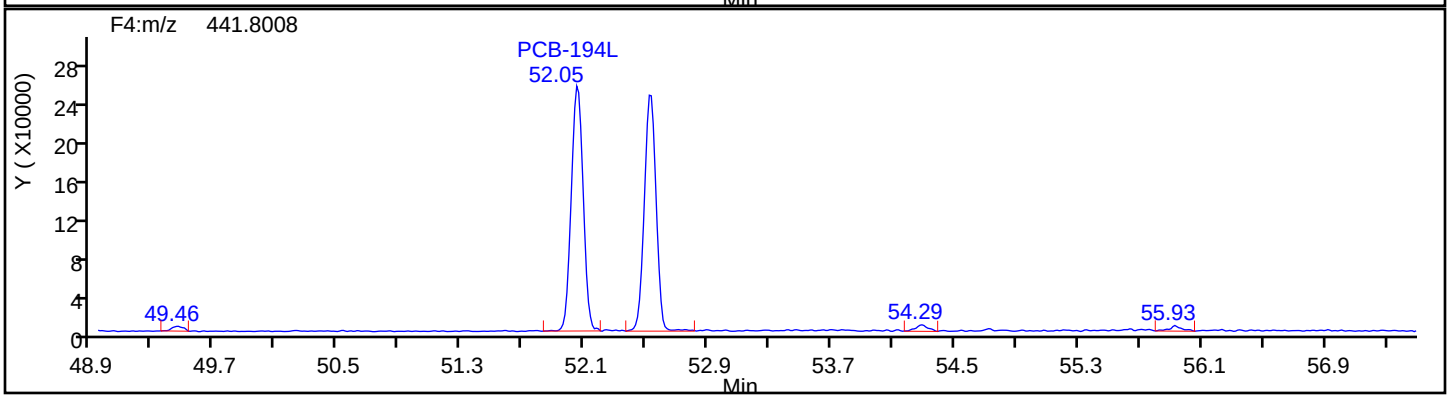
OcPCB F4




OcPCB F4 Standards

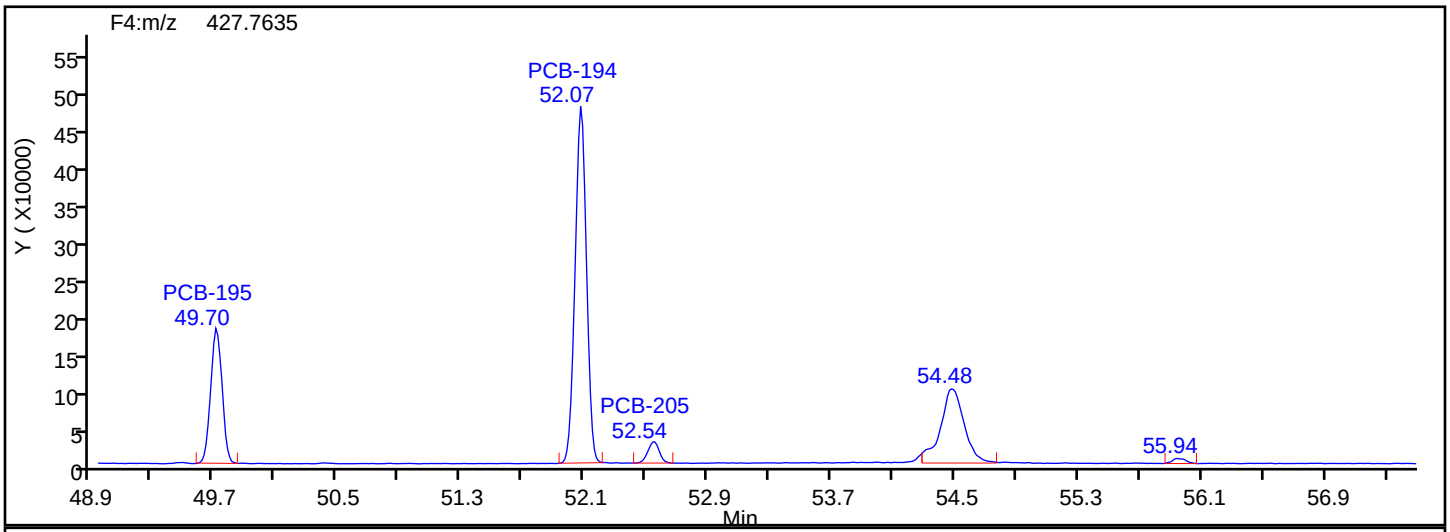


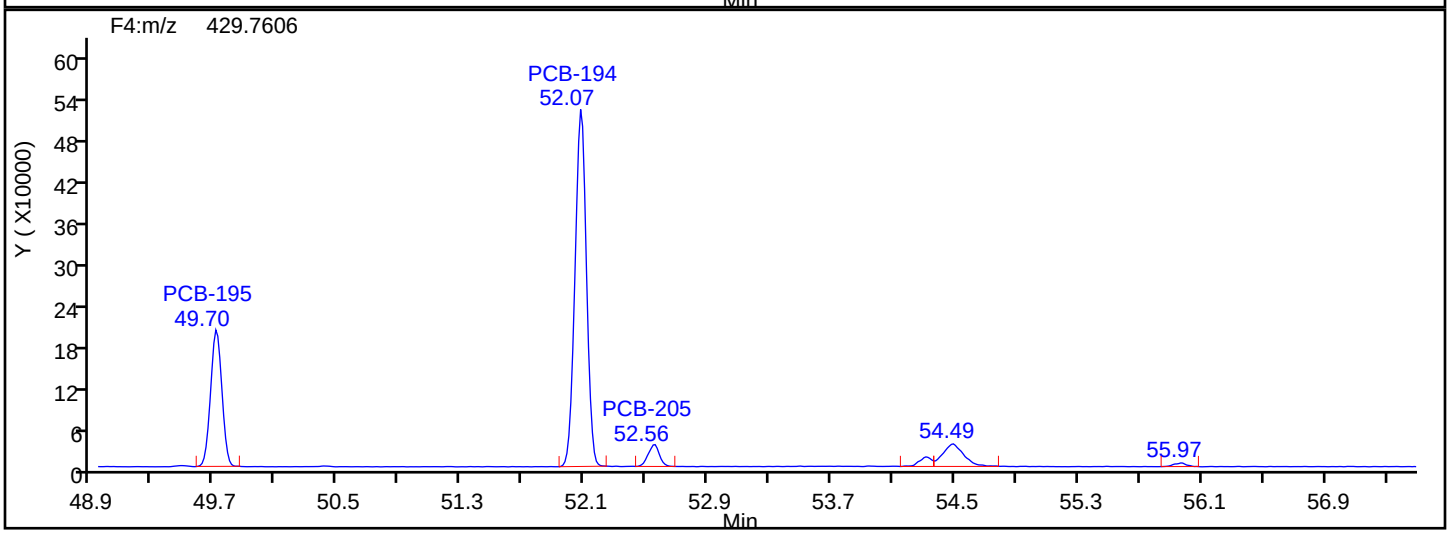



Eurofins TestAmerica, Knoxville

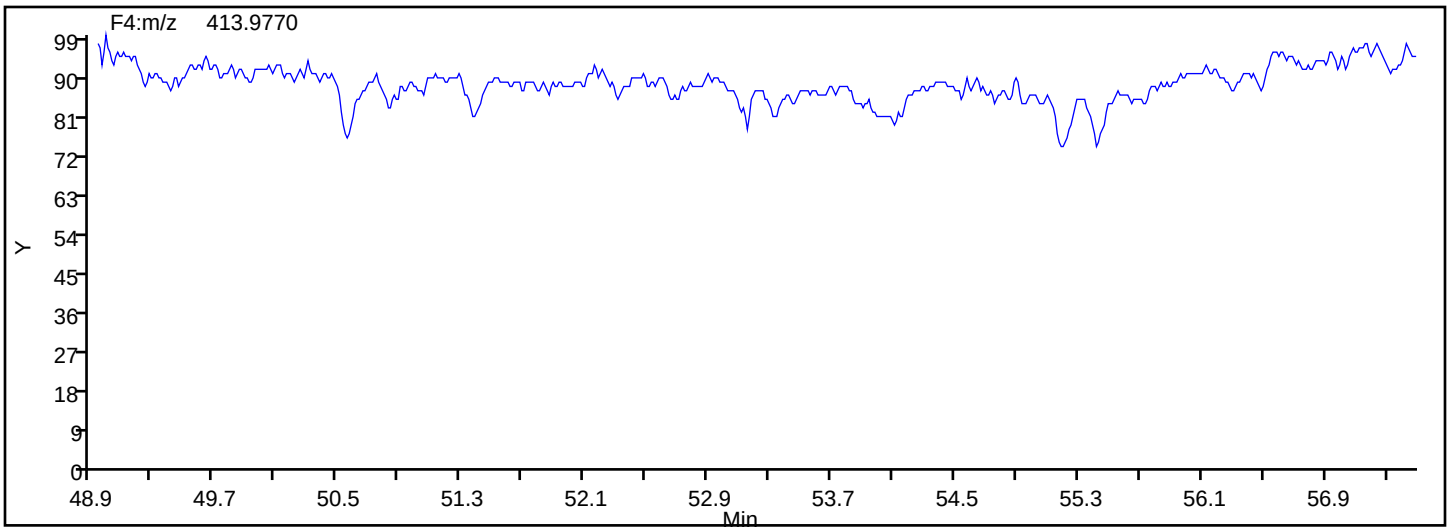
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



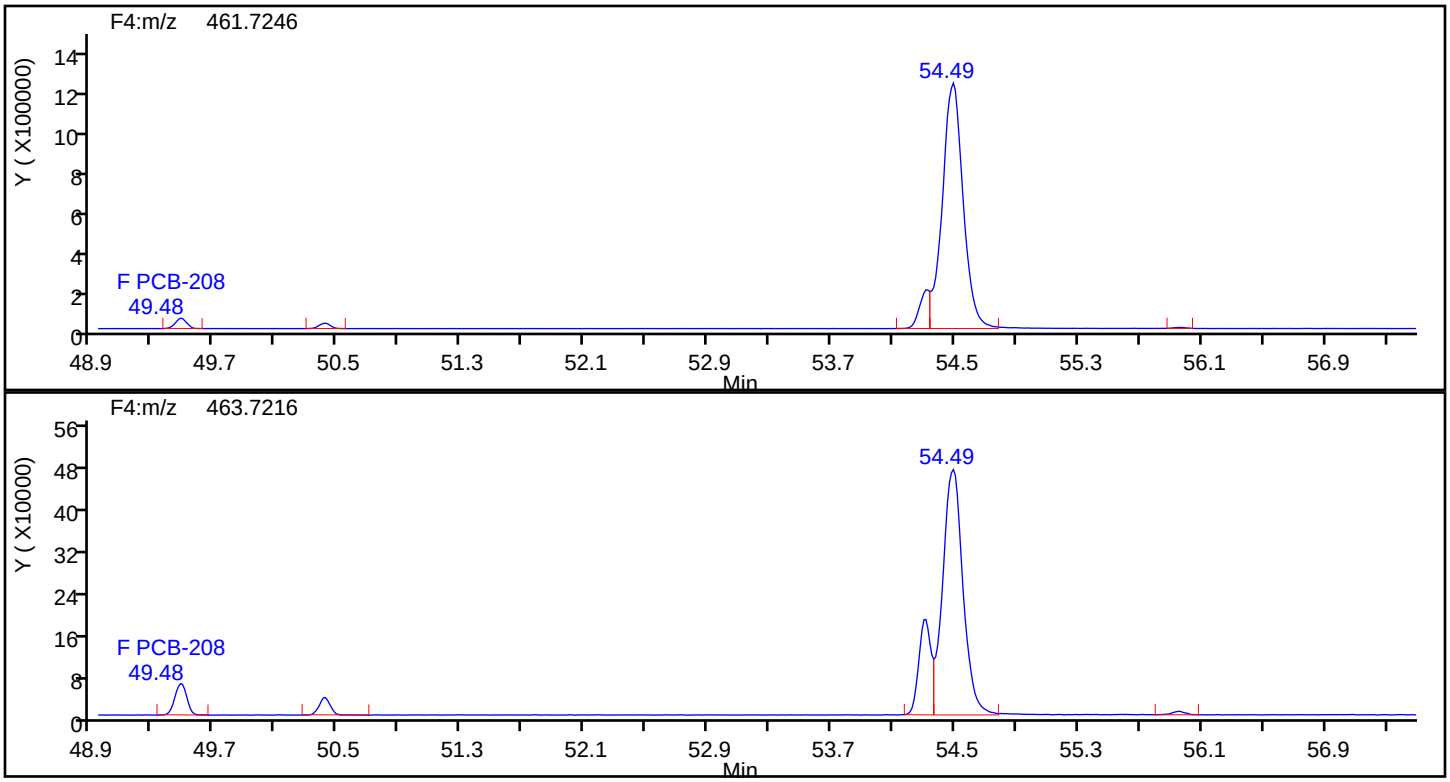

OcPCB F4 Lock Mass



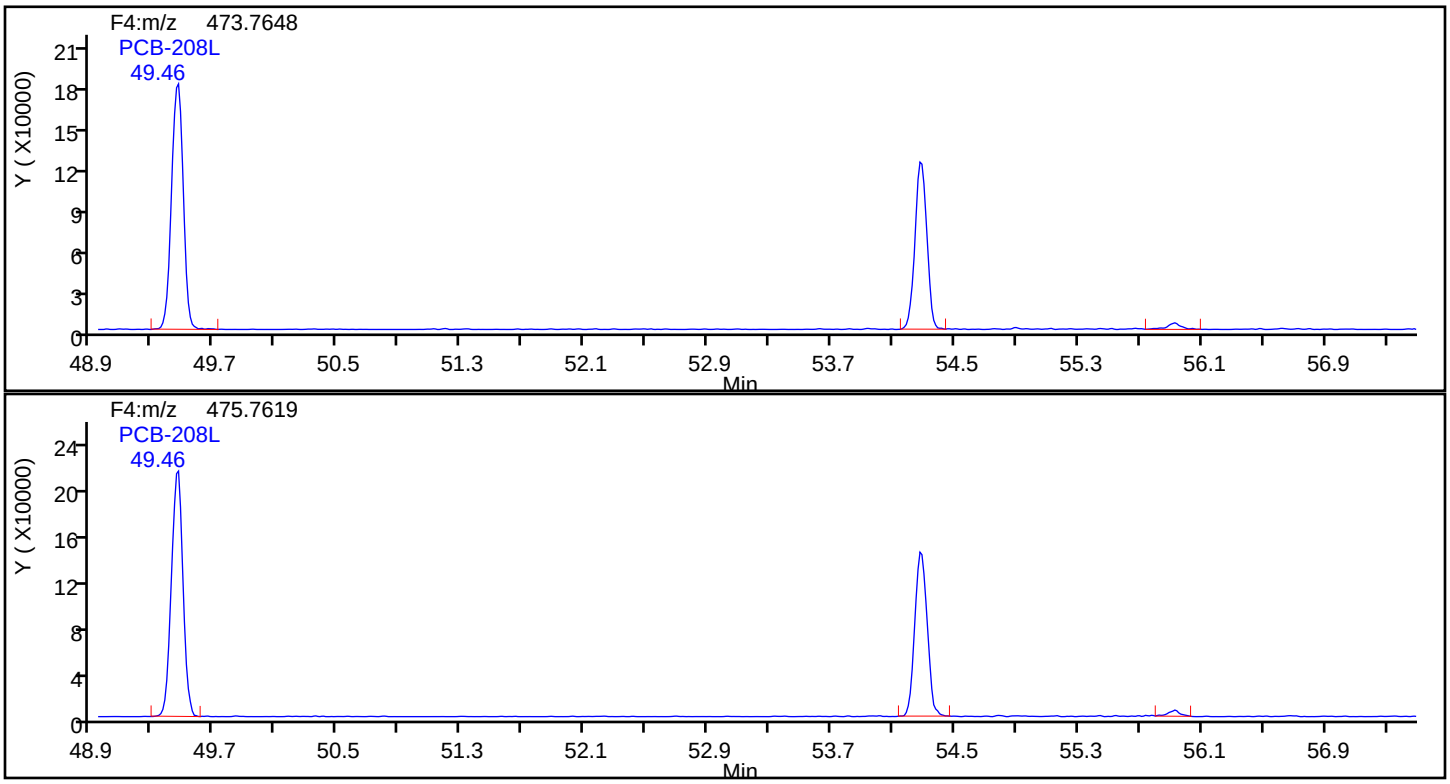
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



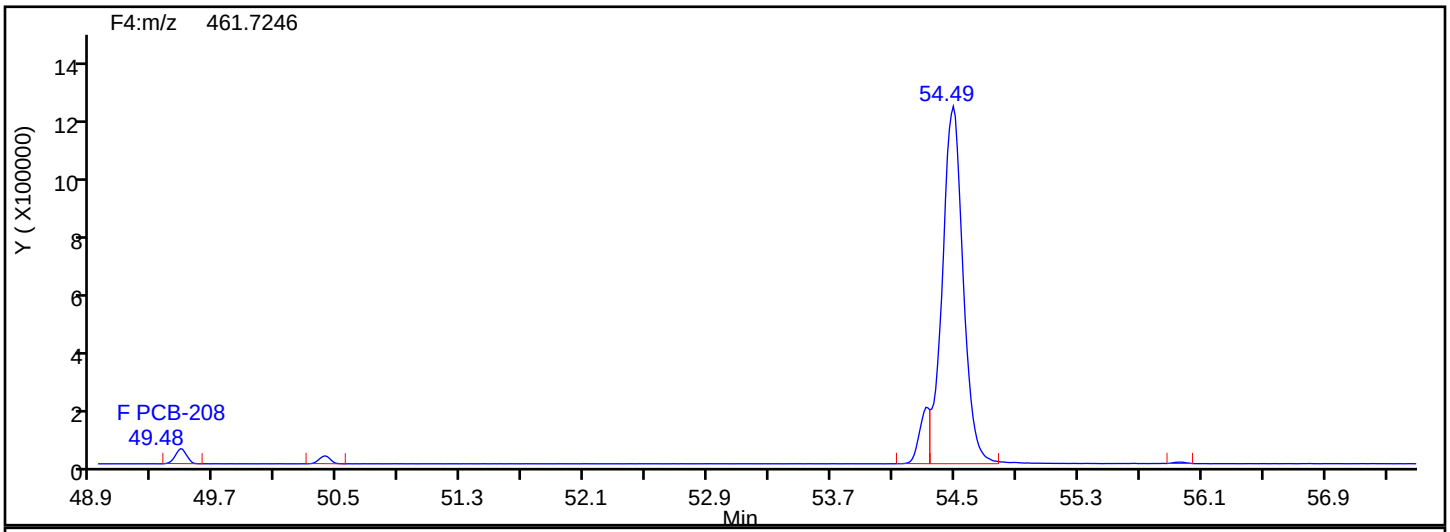

NoPCB F4 Standards

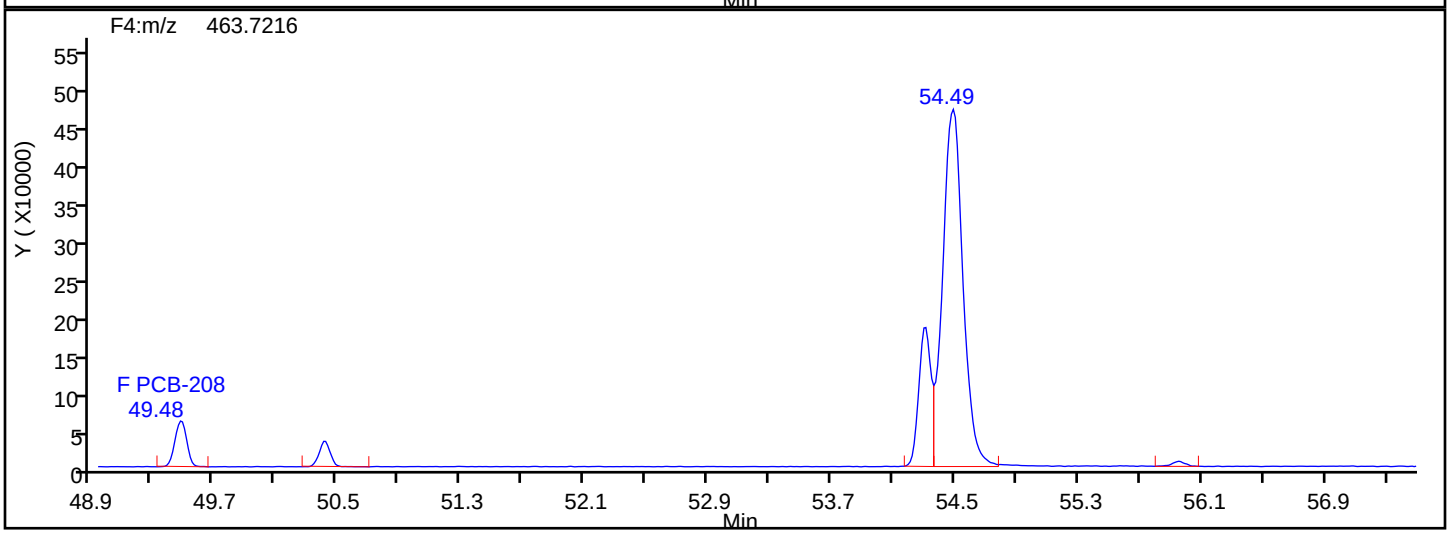


Eurofins TestAmerica, Knoxville

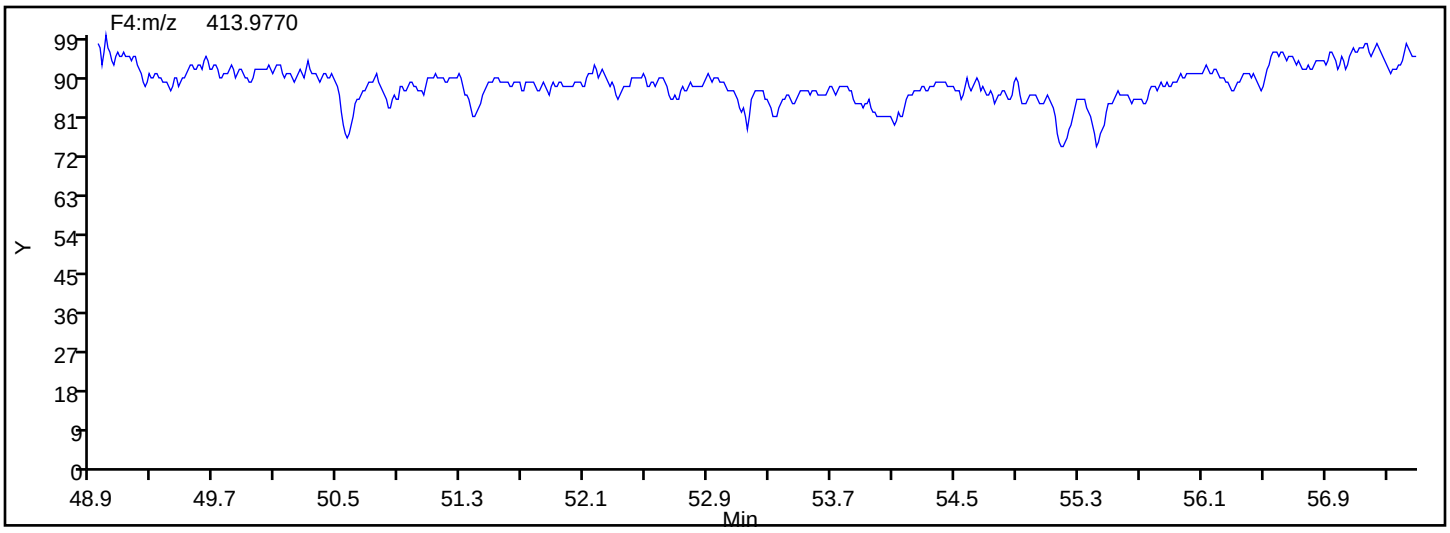
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass

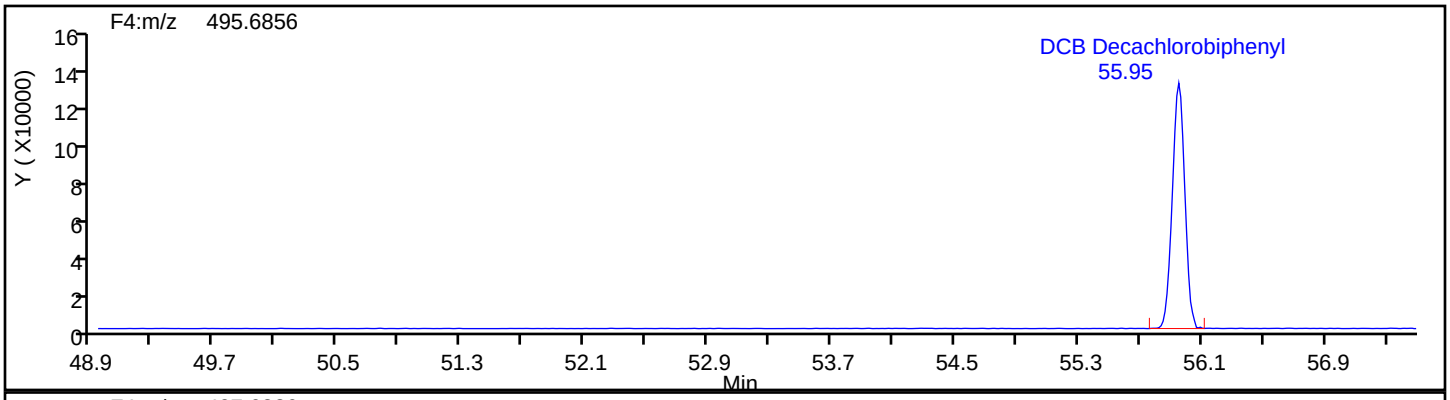


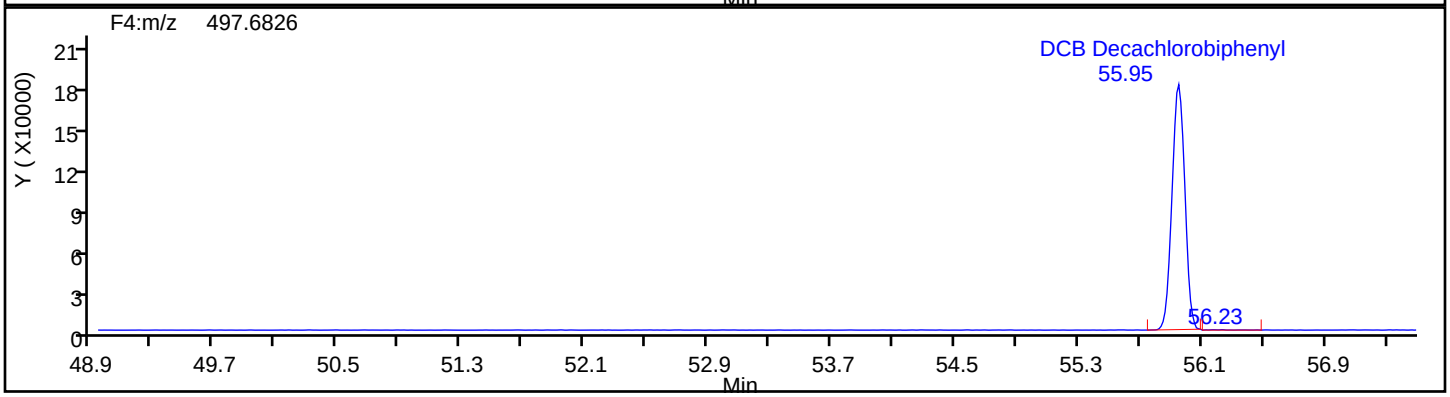
Report Date: 09-Oct-2019 23:25:50 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

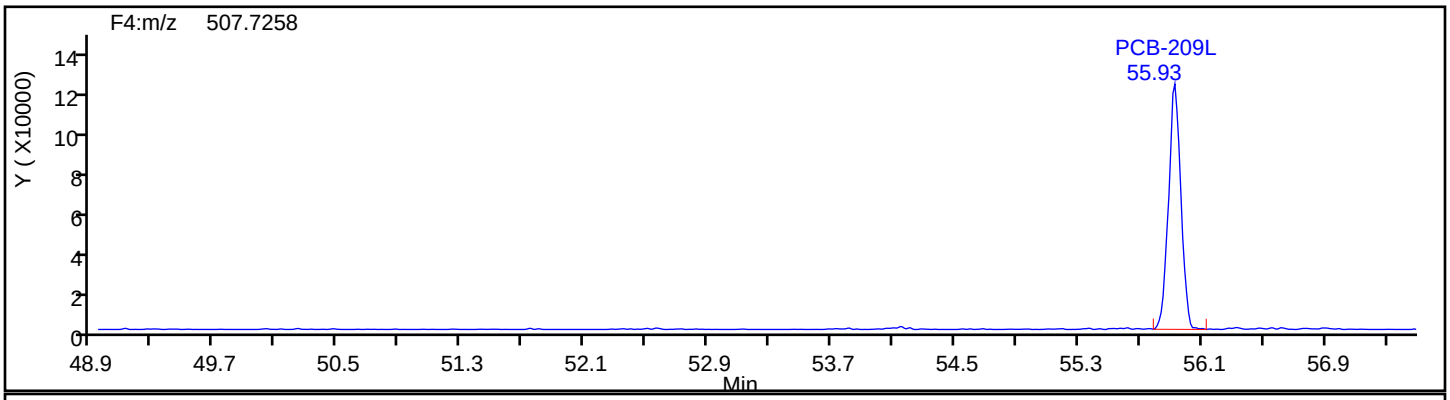
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

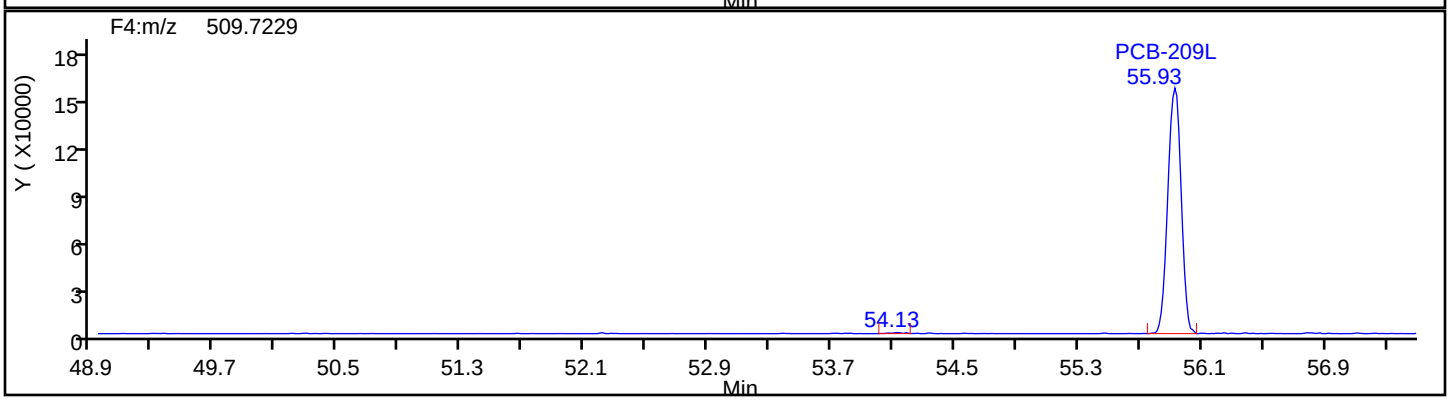
DePCB F4




DePCB F4 Standards

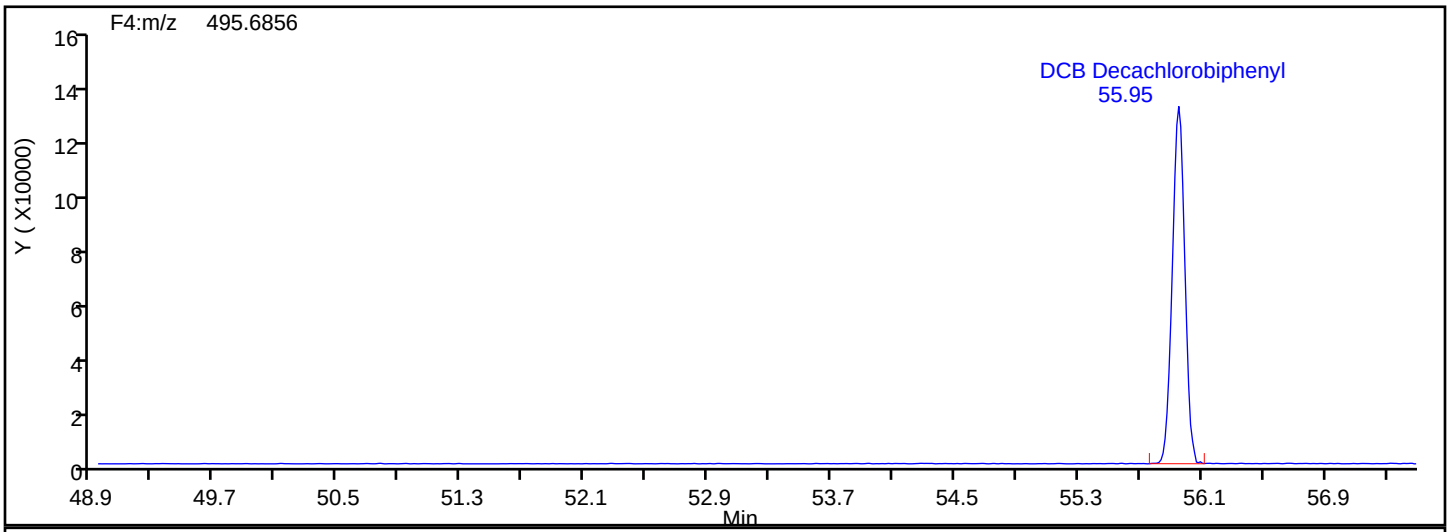


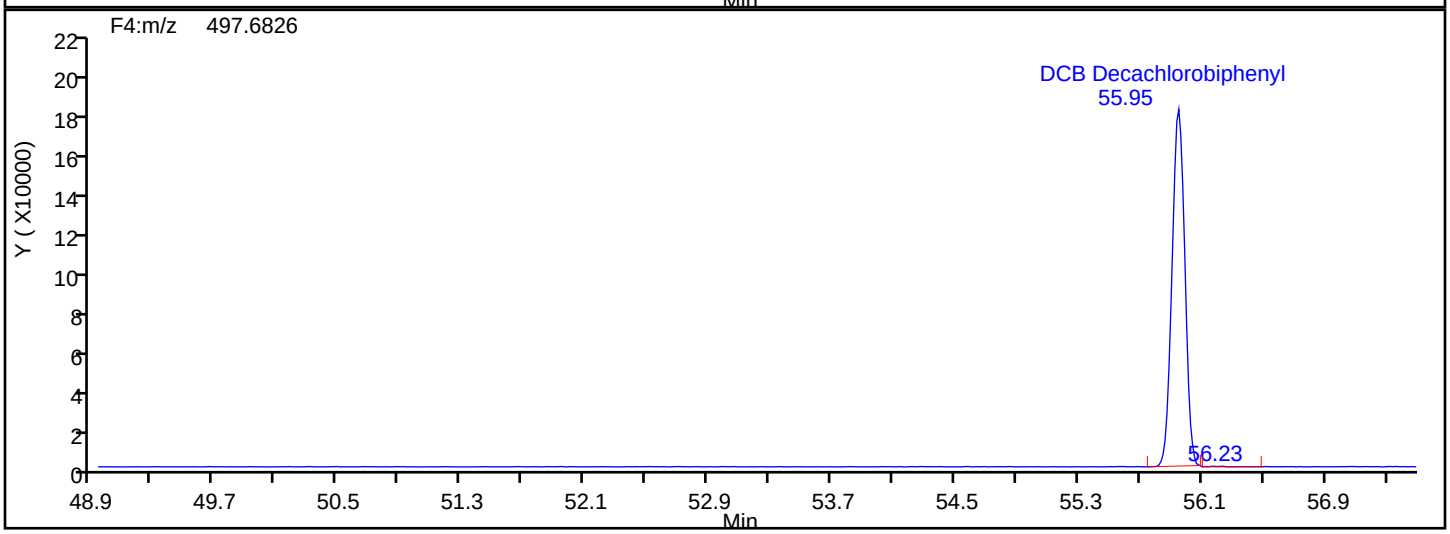



Eurofins TestAmerica, Knoxville

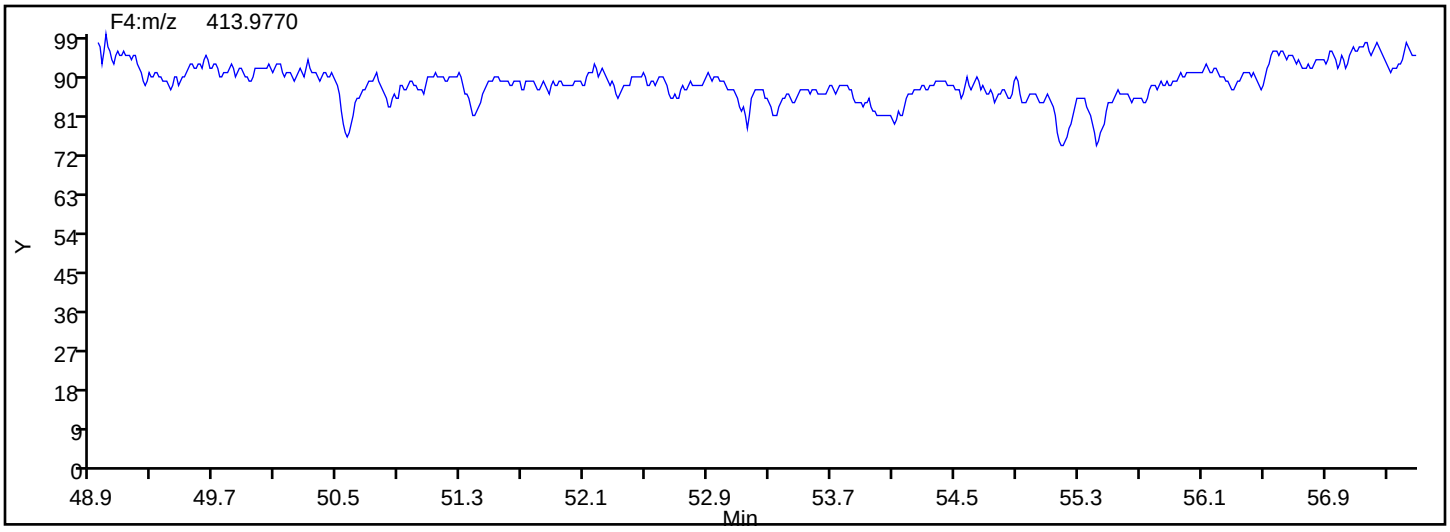
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-27-f.d | | |
| Injection Date: | 09-Oct-2019 21:54:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.10 | | 0.049 | 0.0017 |
| 2051-61-8 | PCB-2 | 0.025 | J | 0.049 | 0.0018 |
| 2051-62-9 | PCB-3 | 0.059 | | 0.049 | 0.0019 |
| 13029-08-8 | PCB-4 | 0.15 | | 0.097 | 0.0068 |
| 16605-91-7 | PCB-5 | 0.0080 | J | 0.049 | 0.0030 |
| 25569-80-6 | PCB-6 | 0.13 | | 0.049 | 0.0030 |
| 33284-50-3 | PCB-7 | 0.026 | J | 0.049 | 0.0029 |
| 34883-43-7 | PCB-8 | 0.41 | | 0.097 | 0.0030 |
| 34883-39-1 | PCB-9 | 0.025 | J | 0.049 | 0.0033 |
| 33146-45-1 | PCB-10 | 0.0078 | J | 0.049 | 0.0032 |
| 2050-67-1 | PCB-11 | 0.052 | J B | 0.097 | 0.0029 |
| 2974-92-7 | PCB-12 | 0.051 | J C | 0.097 | 0.0029 |
| 2974-90-5 | PCB-13 | 0.051 | J C12 | 0.097 | 0.0029 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0025 |
| 2050-68-2 | PCB-15 | 0.22 | | 0.049 | 0.0023 |
| 38444-78-9 | PCB-16 | 0.54 | | 0.049 | 0.0046 |
| 37680-66-3 | PCB-17 | 0.87 | | 0.049 | 0.0036 |
| 37680-65-2 | PCB-18 | 1.4 | C | 0.097 | 0.0031 |
| 38444-73-4 | PCB-19 | 0.12 | | 0.049 | 0.0044 |
| 38444-84-7 | PCB-20 | 2.4 | C | 0.097 | 0.0090 |
| 55702-46-0 | PCB-21 | 0.99 | C | 0.097 | 0.0085 |
| 38444-85-8 | PCB-22 | 0.59 | | 0.049 | 0.0095 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.0093 |
| 55702-45-9 | PCB-24 | 0.015 | J | 0.049 | 0.0027 |
| 55712-37-3 | PCB-25 | 0.20 | | 0.049 | 0.0087 |
| 38444-81-4 | PCB-26 | 0.32 | C | 0.097 | 0.0089 |
| 38444-76-7 | PCB-27 | 0.093 | | 0.049 | 0.0026 |
| 7012-37-5 | PCB-28 | 2.4 | C20 | 0.097 | 0.0090 |
| 15862-07-4 | PCB-29 | 0.32 | C26 | 0.097 | 0.0089 |
| 35693-92-6 | PCB-30 | 1.4 | C18 | 0.097 | 0.0031 |
| 16606-02-3 | PCB-31 | 1.8 | | 0.097 | 0.0085 |
| 38444-77-8 | PCB-32 | 0.48 | | 0.049 | 0.0024 |
| 38444-86-9 | PCB-33 | 0.99 | C21 | 0.097 | 0.0085 |
| 37680-68-5 | PCB-34 | 0.035 | J | 0.049 | 0.0097 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *37680-69-6* | *PCB-35* | *0.037* | *J* | *0.049* | *0.0097* |
| *38444-87-0* | *PCB-36* | *ND* | | *0.049* | *0.0087* |
| *38444-90-5* | *PCB-37* | *0.51* | | *0.049* | *0.0091* |
| *53555-66-1* | *PCB-38* | *ND* | | *0.049* | *0.0089* |
| *38444-88-1* | *PCB-39* | *0.040* | *J* | *0.049* | *0.0084* |
| *38444-93-8* | *PCB-40* | *2.0* | *C* | *0.15* | *0.0059* |
| *52663-59-9* | *PCB-41* | *2.0* | *C40* | *0.15* | *0.0059* |
| *36559-22-5* | *PCB-42* | *ND* | | *0.049* | *0.0063* |
| *70362-46-8* | *PCB-43* | *0.088* | *J C* | *0.097* | *0.0054* |
| *41464-39-5* | *PCB-44* | *4.7* | *C B* | *0.15* | *0.0053* |
| *70362-45-7* | *PCB-45* | *0.84* | *C B* | *0.097* | *0.0061* |
| *41464-47-5* | *PCB-46* | *0.20* | | *0.049* | *0.0072* |
| *2437-79-8* | *PCB-47* | *4.7* | *C44 B* | *0.15* | *0.0053* |
| *70362-47-9* | *PCB-48* | *0.63* | | *0.049* | *0.0057* |
| *41464-40-8* | *PCB-49* | *3.6* | *C B* | *0.097* | *0.0048* |
| *62796-65-0* | *PCB-50* | *0.59* | *C* | *0.097* | *0.0058* |
| *68194-04-7* | *PCB-51* | *0.84* | *C45 B* | *0.097* | *0.0061* |
| *35693-99-3* | *PCB-52* | *6.1* | *B* | *0.049* | *0.0060* |
| *41464-41-9* | *PCB-53* | *0.59* | *C50* | *0.097* | *0.0058* |
| *15968-05-5* | *PCB-54* | *0.049* | | *0.049* | *0.00087* |
| *74338-24-2* | *PCB-55* | *0.027* | *J* | *0.049* | *0.0042* |
| *41464-43-1* | *PCB-56* | *1.6* | | *0.049* | *0.0043* |
| *70424-67-8* | *PCB-57* | *0.013* | *J* | *0.049* | *0.0042* |
| *41464-49-7* | *PCB-58* | *0.048* | *J* | *0.049* | *0.0041* |
| *74472-33-6* | *PCB-59* | *0.31* | *C* | *0.15* | *0.0040* |
| *33025-41-1* | *PCB-60* | *0.27* | | *0.049* | *0.0041* |
| *33284-53-6* | *PCB-61* | *6.8* | *C B* | *0.19* | *0.0040* |
| *54230-22-7* | *PCB-62* | *0.31* | *C59* | *0.15* | *0.0040* |
| *74472-34-7* | *PCB-63* | *0.16* | | *0.049* | *0.0037* |
| *52663-58-8* | *PCB-64* | *1.4* | | *0.049* | *0.0038* |
| *33284-54-7* | *PCB-65* | *4.7* | *C44 B* | *0.15* | *0.0053* |
| *32598-10-0* | *PCB-66* | *4.2* | | *0.049* | *0.0042* |
| *73575-53-8* | *PCB-67* | *0.088* | *q* | *0.049* | *0.0039* |
| *73575-52-7* | *PCB-68* | *0.098* | | *0.049* | *0.0037* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 3.6 | C49 B | 0.097 | 0.0048 |
| 32598-11-1 | PCB-70 | 6.8 | C61 B | 0.19 | 0.0040 |
| 41464-46-4 | PCB-71 | 2.0 | C40 | 0.15 | 0.0059 |
| 41464-42-0 | PCB-72 | 0.22 | | 0.049 | 0.0041 |
| 74338-23-1 | PCB-73 | 0.088 | J C43 | 0.097 | 0.0054 |
| 32690-93-0 | PCB-74 | 6.8 | C61 B | 0.19 | 0.0040 |
| 32598-12-2 | PCB-75 | 0.31 | C59 | 0.15 | 0.0040 |
| 70362-48-0 | PCB-76 | 6.8 | C61 B | 0.19 | 0.0040 |
| 32598-13-3 | PCB-77 | 0.27 | | 0.049 | 0.0040 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.0041 |
| 41464-48-6 | PCB-79 | 0.14 | | 0.049 | 0.0035 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0037 |
| 70362-50-4 | PCB-81 | ND | | 0.049 | 0.0042 |
| 52663-62-4 | PCB-82 | 0.87 | | 0.049 | 0.0032 |
| 60145-20-2 | PCB-83 | 7.2 | C | 0.097 | 0.0030 |
| 52663-60-2 | PCB-84 | 2.3 | B | 0.049 | 0.0033 |
| 65510-45-4 | PCB-85 | 1.3 | C B | 0.15 | 0.0023 |
| 55312-69-1 | PCB-86 | 4.9 | C | 0.29 | 0.0024 |
| 38380-02-8 | PCB-87 | 4.9 | C86 | 0.29 | 0.0024 |
| 55215-17-3 | PCB-88 | 1.8 | C | 0.097 | 0.0028 |
| 73575-57-2 | PCB-89 | 0.094 | | 0.049 | 0.0032 |
| 68194-07-0 | PCB-90 | 11 | C B | 0.15 | 0.0025 |
| 68194-05-8 | PCB-91 | 1.8 | C88 | 0.097 | 0.0028 |
| 52663-61-3 | PCB-92 | 2.6 | | 0.049 | 0.0030 |
| 73575-56-1 | PCB-93 | 0.29 | C | 0.097 | 0.0029 |
| 73575-55-0 | PCB-94 | 0.086 | | 0.049 | 0.0031 |
| 38379-99-6 | PCB-95 | 8.0 | | 0.049 | 0.0029 |
| 73575-54-9 | PCB-96 | 0.080 | | 0.049 | 0.0023 |
| 41464-51-1 | PCB-97 | 4.9 | C86 | 0.29 | 0.0024 |
| 60233-25-2 | PCB-98 | 0.52 | C | 0.097 | 0.0028 |
| 38380-01-7 | PCB-99 | 7.2 | C83 | 0.097 | 0.0030 |
| 39485-83-1 | PCB-100 | 0.29 | C93 | 0.097 | 0.0029 |
| 37680-73-2 | PCB-101 | 11 | C90 B | 0.15 | 0.0025 |
| 68194-06-9 | PCB-102 | 0.52 | C98 | 0.097 | 0.0028 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *60145-21-3* | *PCB-103* | *0.37* | | *0.049* | *0.0027* |
| *56558-16-8* | *PCB-104* | *ND* | | *0.049* | *0.0020* |
| *32598-14-4* | *PCB-105* | *1.6* | | *0.049* | *0.011* |
| *70424-69-0* | *PCB-106* | *ND* | | *0.049* | *0.010* |
| *70424-68-9* | *PCB-107* | *0.72* | | *0.049* | *0.0098* |
| *70362-41-3* | *PCB-108* | *0.19* | *C* | *0.097* | *0.011* |
| *74472-35-8* | *PCB-109* | *4.9* | *C86* | *0.29* | *0.0024* |
| *38380-03-9* | *PCB-110* | *9.9* | *C* | *0.097* | *0.0021* |
| *39635-32-0* | *PCB-111* | *ND* | | *0.049* | *0.0020* |
| *74472-36-9* | *PCB-112* | *ND* | | *0.049* | *0.0021* |
| *68194-10-5* | *PCB-113* | *11* | *C90 B* | *0.15* | *0.0025* |
| *74472-37-0* | *PCB-114* | *0.082* | | *0.049* | *0.0094* |
| *74472-38-1* | *PCB-115* | *9.9* | *C110* | *0.097* | *0.0021* |
| *18259-05-7* | *PCB-116* | *1.3* | *C85 B* | *0.15* | *0.0023* |
| *68194-11-6* | *PCB-117* | *1.3* | *C85 B* | *0.15* | *0.0023* |
| *31508-00-6* | *PCB-118* | *6.0* | *B* | *0.049* | *0.0098* |
| *56558-17-9* | *PCB-119* | *4.9* | *C86* | *0.29* | *0.0024* |
| *68194-12-7* | *PCB-120* | *0.17* | | *0.049* | *0.0019* |
| *56558-18-0* | *PCB-121* | *ND* | | *0.049* | *0.0020* |
| *76842-07-4* | *PCB-122* | *0.082* | | *0.049* | *0.012* |
| *65510-44-3* | *PCB-123* | *0.070* | | *0.049* | *0.010* |
| *70424-70-3* | *PCB-124* | *0.19* | *C108* | *0.097* | *0.011* |
| *74472-39-2* | *PCB-125* | *4.9* | *C86* | *0.29* | *0.0024* |
| *57465-28-8* | *PCB-126* | *0.019* | *J* | *0.049* | *0.010* |
| *39635-33-1* | *PCB-127* | *ND* | | *0.049* | *0.010* |
| *38380-07-3* | *PCB-128* | *1.2* | *C B* | *0.097* | *0.0061* |
| *55215-18-4* | *PCB-129* | *9.9* | *C B* | *0.19* | *0.0063* |
| *52663-66-8* | *PCB-130* | *0.83* | | *0.049* | *0.0083* |
| *61798-70-7* | *PCB-131* | *0.11* | | *0.049* | *0.0080* |
| *38380-05-1* | *PCB-132* | *3.6* | | *0.049* | *0.0078* |
| *35694-04-3* | *PCB-133* | *0.33* | | *0.049* | *0.0075* |
| *52704-70-8* | *PCB-134* | *0.59* | *C* | *0.097* | *0.0080* |
| *52744-13-5* | *PCB-135* | *4.6* | *C B* | *0.097* | *0.0017* |
| *38411-22-2* | *PCB-136* | *1.8* | *B* | *0.049* | *0.0013* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *0.28* | | *0.049* | *0.0065* |
| *35065-28-2* | *PCB-138* | *9.9* | *C129 B* | *0.19* | *0.0063* |
| *56030-56-9* | *PCB-139* | *0.23* | *C* | *0.097* | *0.0068* |
| *59291-64-4* | *PCB-140* | *0.23* | *C139* | *0.097* | *0.0068* |
| *52712-04-6* | *PCB-141* | *1.6* | | *0.049* | *0.0071* |
| *41411-61-4* | *PCB-142* | *ND* | | *0.049* | *0.0080* |
| *68194-15-0* | *PCB-143* | *0.59* | *C134* | *0.097* | *0.0080* |
| *68194-14-9* | *PCB-144* | *0.45* | | *0.049* | *0.0016* |
| *74472-40-5* | *PCB-145* | *0.0040* | *J* | *0.049* | *0.0013* |
| *51908-16-8* | *PCB-146* | *2.9* | *B* | *0.049* | *0.0068* |
| *68194-13-8* | *PCB-147* | *11* | *C B* | *0.097* | *0.0070* |
| *74472-41-6* | *PCB-148* | *0.077* | | *0.049* | *0.0017* |
| *38380-04-0* | *PCB-149* | *11* | *C147 B* | *0.097* | *0.0070* |
| *68194-08-1* | *PCB-150* | *0.084* | | *0.049* | *0.0012* |
| *52663-63-5* | *PCB-151* | *4.6* | *C135 B* | *0.097* | *0.0017* |
| *68194-09-2* | *PCB-152* | *0.010* | *J* | *0.049* | *0.0012* |
| *35065-27-1* | *PCB-153* | *11* | *C B* | *0.097* | *0.0056* |
| *60145-22-4* | *PCB-154* | *0.51* | | *0.049* | *0.0015* |
| *33979-03-2* | *PCB-155* | *ND* | | *0.049* | *0.0011* |
| *38380-08-4* | *PCB-156* | *0.83* | *C* | *0.097* | *0.0064* |
| *69782-90-7* | *PCB-157* | *0.83* | *C156* | *0.097* | *0.0064* |
| *74472-42-7* | *PCB-158* | *0.70* | | *0.049* | *0.0049* |
| *39635-35-3* | *PCB-159* | *0.17* | | *0.049* | *0.0052* |
| *41411-62-5* | *PCB-160* | *9.9* | *C129 B* | *0.19* | *0.0063* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.049* | *0.0051* |
| *39635-34-2* | *PCB-162* | *ND* | | *0.049* | *0.0050* |
| *74472-44-9* | *PCB-163* | *9.9* | *C129 B* | *0.19* | *0.0063* |
| *74472-45-0* | *PCB-164* | *0.79* | | *0.049* | *0.0055* |
| *74472-46-1* | *PCB-165* | *ND* | | *0.049* | *0.0061* |
| *41411-63-6* | *PCB-166* | *1.2* | *C128 B* | *0.097* | *0.0061* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-72-6* | *PCB-167* | *0.28* | | *0.049* | *0.0044* |
| *59291-65-5* | *PCB-168* | *11* | *C153 B* | *0.097* | *0.0056* |
| *32774-16-6* | *PCB-169* | *ND* | | *0.049* | *0.0047* |
| *35065-30-6* | *PCB-170* | *3.4* | *B* | *0.049* | *0.0015* |
| *52663-71-5* | *PCB-171* | *1.1* | *C* | *0.097* | *0.0014* |
| *52663-74-8* | *PCB-172* | *0.64* | | *0.049* | *0.0013* |
| *68194-16-1* | *PCB-173* | *1.1* | *C171* | *0.097* | *0.0014* |
| *38411-25-5* | *PCB-174* | *4.4* | *B* | *0.049* | *0.0014* |
| *40186-70-7* | *PCB-175* | *0.17* | | *0.049* | *0.0012* |
| *52663-65-7* | *PCB-176* | *0.50* | | *0.049* | *0.00087* |
| *52663-70-4* | *PCB-177* | *2.6* | *B* | *0.049* | *0.0014* |
| *52663-67-9* | *PCB-178* | *0.92* | | *0.049* | *0.0013* |
| *52663-64-6* | *PCB-179* | *2.0* | | *0.049* | *0.00093* |
| *35065-29-3* | *PCB-180* | *7.8* | *C B* | *0.097* | *0.0011* |
| *74472-47-2* | *PCB-181* | *ND* | | *0.049* | *0.0012* |
| *60145-23-5* | *PCB-182* | *0.044* | *J* | *0.049* | *0.0011* |
| *52663-69-1* | *PCB-183* | *2.6* | *C B* | *0.097* | *0.0012* |
| *74472-48-3* | *PCB-184* | *ND* | | *0.049* | *0.00093* |
| *52712-05-7* | *PCB-185* | *2.6* | *C183 B* | *0.097* | *0.0012* |
| *74472-49-4* | *PCB-186* | *ND* | | *0.049* | *0.00092* |
| *52663-68-0* | *PCB-187* | *5.3* | *B* | *0.049* | *0.0012* |
| *74487-85-7* | *PCB-188* | *ND* | | *0.049* | *0.00081* |
| *39635-31-9* | *PCB-189* | *0.11* | | *0.049* | *0.0055* |
| *41411-64-7* | *PCB-190* | *0.64* | *B* | *0.049* | *0.00096* |
| *74472-50-7* | *PCB-191* | *0.14* | | *0.049* | *0.00095* |
| *74472-51-8* | *PCB-192* | *ND* | | *0.049* | *0.0010* |
| *69782-91-8* | *PCB-193* | *7.8* | *C180 B* | *0.097* | *0.0011* |
| *35694-08-7* | *PCB-194* | *2.0* | | *0.049* | *0.012* |
| *52663-78-2* | *PCB-195* | *0.86* | | *0.049* | *0.014* |
| *42740-50-1* | *PCB-196* | *1.0* | | *0.049* | *0.0025* |
| *33091-17-7* | *PCB-197* | *0.066* | *q* | *0.049* | *0.0018* |
| *68194-17-2* | *PCB-198* | *2.4* | *C B* | *0.097* | *0.0027* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *2.4* | *C198 B* | *0.097* | *0.0027* |
| *52663-73-7* | *PCB-200* | *0.31* | | *0.049* | *0.0019* |
| *40186-71-8* | *PCB-201* | *0.30* | | *0.049* | *0.0018* |
| *2136-99-4* | *PCB-202* | *0.48* | | *0.049* | *0.0021* |
| *52663-76-0* | *PCB-203* | *1.3* | | *0.049* | *0.0024* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.049* | *0.0020* |
| *74472-53-0* | *PCB-205* | *0.094* | | *0.049* | *0.0090* |
| *40186-72-9* | *PCB-206* | *1.1* | *q* | *0.049* | *0.0088* |
| *52663-79-3* | *PCB-207* | *0.11* | | *0.049* | *0.0061* |
| *52663-77-1* | *PCB-208* | *0.22* | | *0.049* | *0.0061* |
| *2051-24-3* | *PCB-209* | *0.83* | | *0.049* | *0.0014* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *0.18* | | *0.049* | *0.0018* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *1.1* | *q B* | *0.097* | *0.0033* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *10* | *q* | *0.097* | *0.0070* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *34* | *q B* | *0.19* | *0.0045* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *60* | *B* | *0.29* | *0.0051* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *54* | *q B* | *0.19* | *0.0050* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *32* | *q B* | *0.097* | *0.0013* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *8.8* | *q B* | *0.097* | *0.0048* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *1.4* | *q* | *0.049* | *0.0070* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *200* | *q B* | *0.29* | *0.0044* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-30to40-82719  Lab Sample ID: 580-88908-27

Matrix: Solid  Lab File ID: 580-88908-a-27-c_191003164337.

Analysis Method: 1668A  Date Collected: 08/27/2019 15:00

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 19.72(g)  Date Analyzed: 10/03/2019 16:43

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 47.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 45 | *q* | 30-140 |
| 208263-77-8 | PCB-3L | 56 | | 30-140 |
| 234432-86-1 | PCB-4L | 60 | | 30-140 |
| 208263-67-6 | PCB-15L | 84 | | 30-140 |
| 234432-87-2 | PCB-19L | 65 | | 30-140 |
| 208263-79-0 | PCB-37L | 82 | | 30-140 |
| 234432-88-3 | PCB-54L | 64 | | 30-140 |
| 105600-23-5 | PCB-77L | 90 | | 30-140 |
| 208461-24-9 | PCB-81L | 86 | | 30-140 |
| 234432-89-4 | PCB-104L | 80 | | 30-140 |
| 208263-62-1 | PCB-105L | 79 | | 30-140 |
| 208263-63-2 | PCB-114L | 79 | | 30-140 |
| 104130-40-7 | PCB-118L | 81 | | 30-140 |
| 208263-64-3 | PCB-123L | 79 | | 30-140 |
| 208263-65-4 | PCB-126L | 87 | | 30-140 |
| 234432-90-7 | PCB-155L | 101 | | 30-140 |
| 208263-68-7 | PCB-156L | 80 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 80 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 80 | | 30-140 |
| 208263-70-1 | PCB-169L | 90 | | 30-140 |
| 160901-80-4 | PCB-170L | 76 | | 30-140 |
| 234432-91-8 | PCB-188L | 85 | | 30-140 |
| 208263-73-4 | PCB-189L | 84 | | 30-140 |
| 105600-26-8 | PCB-202L | 89 | | 30-140 |
| 234446-64-1 | PCB-205L | 73 | | 30-140 |
| 208263-75-6 | PCB-206L | 69 | | 30-140 |
| 234432-92-9 | PCB-208L | 81 | | 30-140 |
| 105600-27-9 | PCB-209L | 76 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 76 | | 40-125 |
| 235416-29-2 | PCB-111L | 88 | | 40-125 |
| 232919-67-4 | PCB-178L | 86 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d
Lims ID: 580-88908-A-27-C
Client ID: J5-SC1b-30to40-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 16:43:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 00:05:01 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 03-Oct-2019 23:07:31

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 3.781 | 3.781 | 0.0364 | 0.0364 | | |
| D PCB-1L | 12:01 | 410437 | 3.13 | 1.3140 | 9.660 | 8.963 | 0.3901 | 0.3901 | 48.30 | RQMa |
| D PCB-3L | 14:05 | 528944 | 2.89 | 1.3615 | 11.1 | 11.1 | 0.3765 | 0.3765 | 55.74 | |
| PCB-1 | 12:01 | 54026 | 2.77 | 1.1883 | 2.056 | 2.056 | 0.0340 | 0.0340 | | a |
| PCB-2 | 13:55 | 15044 | 3.55 | 1.1911 | 0.5201 | 0.5201 | 0.0365 | 0.0365 | | |
| PCB-3 | 14:06 | 38669 | 3.15 | 1.2130 | 1.205 | 1.205 | 0.0388 | 0.0388 | | Ma |
| S Total Dichlorobiphenyls | | | | | 22.2 | 22.1 | 0.0670 | 0.0670 | | RQ |
| D PCB-4L | 14:20 | 250902 | 1.66 | 0.5996 | 12.0 | 12.0 | 0.2846 | 0.2846 | 60.04 | |
| * PCB-9L | 16:14 | 697010 | 1.68 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:05 | 598904 | 1.75 | 1.0280 | 16.7 | 16.7 | 0.1660 | 0.1660 | 83.58 | |
| PCB-4 | 14:20 | 49804 | 1.71 | 1.2533 | 3.168 | 3.168 | 0.1404 | 0.1404 | | |
| PCB-10 | 14:31 | 5072 | 1.56 | 1.4828 | 0.1810 | 0.1610 | 0.0654 | 0.0654 | | RQ |
| PCB-9 | 16:15 | 15449 | 1.56 | 1.4200 | 0.6388 | 0.5121 | 0.0683 | 0.0683 | | RQa |
| PCB-7 | 16:25 | 18772 | 1.75 | 1.6244 | 0.5440 | 0.5440 | 0.0597 | 0.0597 | | a |
| PCB-6 | 16:39 | 85389 | 1.53 | 1.5539 | 2.587 | 2.587 | 0.0624 | 0.0624 | | a |
| PCB-5 | 16:58 | 5415 | 1.56 | 1.5606 | 0.1919 | 0.1633 | 0.0621 | 0.0621 | | RQMa |
| PCB-8 | 17:05 | 282751 | 1.57 | 1.5884 | 8.379 | 8.379 | 0.0610 | 0.0610 | | Ma |
| PCB-14 | 18:35 | | | | | | 0.0517 | 0.0517 | | |
| PCB-11 | 19:30 | 37326 | 1.46 | 1.6347 | 1.075 | 1.075 | 0.0593 | 0.0593 | | |
| PCB-12 | 19:46 | 36498 | 1.53 | 1.6410 | 1.047 | 1.047 | 0.0591 | 0.0591 | | |
| PCB-13 (C12) | 19:46 | 36498 | 1.53 | 1.6410 | 1.047 | 1.047 | 0.0591 | 0.0591 | | |
| PCB-15 | 20:06 | 185702 | 1.55 | 1.4024 | 4.422 | 4.422 | 0.0477 | 0.0477 | | |
| S Total Trichlorobiphenyl | | | | | 213.2 | 213.2 | 0.1442 | 0.1442 | | RQ |
| D PCB-19L | 17:21 | 198608 | 1.10 | 0.6095 | 13.1 | 13.1 | 0.5558 | 0.5558 | 65.27 | |
| * PCB-32L | 20:33 | 499298 | 1.13 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:48 | 1118312 | 1.06 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:05 | 927439 | 1.03 | 1.0975 | 15.1 | 15.1 | 0.1025 | 0.1025 | 75.56 | |
| D PCB-37L | 27:04 | 825644 | 1.08 | 0.9024 | 16.4 | 16.4 | 0.1246 | 0.1246 | 81.81 | |
| PCB-19 | 17:22 | 32427 | 1.00 | 1.3047 | 2.503 | 2.503 | 0.0894 | 0.0894 | | |
| PCB-18 | 19:12 | 501478 | 1.06 | 1.8188 | 27.8 | 27.8 | 0.0641 | 0.0641 | | |
| PCB-30 (C18) | 19:12 | 501478 | 1.06 | 1.8188 | 27.8 | 27.8 | 0.0641 | 0.0641 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:37 | 278620 | 1.06 | 1.5641 | 17.9 | 17.9 | 0.0746 | 0.0746 | | a |
| PCB-27 | 19:49 | 41156 | 1.02 | 2.1680 | 1.912 | 1.912 | 0.0538 | 0.0538 | | a |
| PCB-24 | 19:57 | 6350 | 1.12 | 2.1018 | 0.3042 | 0.3042 | 0.0555 | 0.0555 | | a |
| PCB-16 | 20:04 | 134038 | 1.09 | 1.2260 | 11.0 | 11.0 | 0.0951 | 0.0951 | | a |
| PCB-32 | 20:34 | 227983 | 1.05 | 2.3416 | 9.805 | 9.805 | 0.0498 | 0.0498 | | a |
| PCB-34 | 21:49 | 35775 | 1.04 | 1.2154 | 0.7792 | 0.7130 | 0.1988 | 0.1988 | | RQa |
| PCB-23 | 21:56 | | | | | | 0.1906 | 0.1906 | | |
| PCB-26 | 22:17 | 357884 | 1.06 | 1.3193 | 6.571 | 6.571 | 0.1831 | 0.1831 | | a |
| PCB-29 (C26) | 22:17 | 357884 | 1.06 | 1.3193 | 6.571 | 6.571 | 0.1831 | 0.1831 | | a |
| PCB-25 | 22:30 | 228970 | 1.08 | 1.3523 | 4.102 | 4.102 | 0.1786 | 0.1786 | | |
| PCB-31 | 22:49 | 2103669 | 1.07 | 1.3809 | 36.9 | 36.9 | 0.1749 | 0.1749 | | |
| PCB-20 | 23:06 | 2644172 | 1.06 | 1.3057 | 49.1 | 49.1 | 0.1850 | 0.1850 | | |
| PCB-28 (C20) | 23:06 | 2644172 | 1.06 | 1.3057 | 49.1 | 49.1 | 0.1850 | 0.1850 | | |
| PCB-21 | 23:21 | 1158393 | 1.06 | 1.3777 | 20.4 | 20.4 | 0.1753 | 0.1753 | | |
| PCB-33 (C21) | 23:21 | 1158393 | 1.06 | 1.3777 | 20.4 | 20.4 | 0.1753 | 0.1753 | | |
| PCB-22 | 23:44 | 623989 | 1.07 | 1.2430 | 12.2 | 12.2 | 0.1943 | 0.1943 | | |
| PCB-36 | 25:17 | | | | | | 0.1794 | 0.1794 | | RnMU |
| PCB-39 | 25:40 | 46894 | 0.93 | 1.3970 | 0.8131 | 0.8131 | 0.1729 | 0.1729 | | Ma |
| PCB-38 | 26:11 | | | | | | 0.1833 | 0.1833 | | |
| PCB-35 | 26:41 | 38036 | 0.92 | 1.2166 | 0.7573 | 0.7573 | 0.1985 | 0.1985 | | |
| PCB-37 | 27:05 | 558101 | 1.05 | 1.2879 | 10.5 | 10.5 | 0.1876 | 0.1876 | | |
| S Total Tetrachlorobiphen | | | | | 706.9 | 706.7 | 0.0930 | 0.0930 | | RQ |
| D PCB-54L | 20:23 | 207980 | 0.80 | 0.6515 | 12.8 | 12.8 | 0.0756 | 0.0756 | 63.94 | |
| * PCB-52L | 24:54 | 597191 | 0.78 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:49 | 631858 | 0.85 | 1.2328 | 17.2 | 17.2 | 0.0555 | 0.0555 | 85.82 | |
| D PCB-77L | 34:22 | 671026 | 0.82 | 1.2523 | 17.9 | 17.9 | 0.0546 | 0.0546 | 89.73 | |
| PCB-54 | 20:24 | 13112 | 0.74 | 1.2558 | 1.004 | 1.004 | 0.0179 | 0.0179 | | |
| PCB-50 | 22:33 | 372548 | 0.83 | 0.9362 | 12.2 | 12.2 | 0.1191 | 0.1191 | | |
| PCB-53 (C50) | 22:33 | 372548 | 0.83 | 0.9362 | 12.2 | 12.2 | 0.1191 | 0.1191 | | |
| PCB-45 | 23:17 | 499602 | 0.77 | 0.8850 | 17.3 | 17.3 | 0.1260 | 0.1260 | | Ma |
| PCB-51 (C45) | 23:17 | 499602 | 0.77 | 0.8850 | 17.3 | 17.3 | 0.1260 | 0.1260 | | Ma |
| PCB-46 | 23:31 | 103036 | 0.74 | 0.7591 | 4.167 | 4.167 | 0.1469 | 0.1469 | | a |
| PCB-52 | 24:55 | 3643621 | 0.80 | 0.8992 | 124.4 | 124.4 | 0.1240 | 0.1240 | | a |
| PCB-43 | 25:10 | 58570 | 0.76 | 0.9993 | 1.799 | 1.799 | 0.1116 | 0.1116 | | |
| PCB-73 (C43) | 25:10 | 58570 | 0.76 | 0.9993 | 1.799 | 1.799 | 0.1116 | 0.1116 | | |
| PCB-49 | 25:25 | 2716534 | 0.79 | 1.1366 | 73.4 | 73.4 | 0.0981 | 0.0981 | | |
| PCB-69 (C49) | 25:25 | 2716534 | 0.79 | 1.1366 | 73.4 | 73.4 | 0.0981 | 0.0981 | | |
| PCB-48 | 25:42 | 395509 | 0.80 | 0.9454 | 12.8 | 12.8 | 0.1180 | 0.1180 | | a |
| PCB-44 | 25:55 | 3264938 | 0.80 | 1.0323 | 97.1 | 97.1 | 0.1080 | 0.1080 | | |
| PCB-47 (C44) | 25:55 | 3264938 | 0.80 | 1.0323 | 97.1 | 97.1 | 0.1080 | 0.1080 | | |
| PCB-65 (C44) | 25:55 | 3264938 | 0.80 | 1.0323 | 97.1 | 97.1 | 0.1080 | 0.1080 | | |
| PCB-59 | 26:15 | 286566 | 0.82 | 1.3609 | 6.465 | 6.465 | 0.0819 | 0.0819 | | |
| PCB-62 (C59) | 26:15 | 286566 | 0.82 | 1.3609 | 6.465 | 6.465 | 0.0819 | 0.0819 | | |
| PCB-75 (C59) | 26:15 | 286566 | 0.82 | 1.3609 | 6.465 | 6.465 | 0.0819 | 0.0819 | | |
| PCB-42 | 26:25 | | | | | | 0.1286 | 0.1286 | | |
| PCB-40 | 26:56 | 1243699 | 0.79 | 0.9179 | 41.6 | 41.6 | 0.1215 | 0.1215 | | Ma |
| PCB-41 (C40) | 26:56 | 1243699 | 0.79 | 0.9179 | 41.6 | 41.6 | 0.1215 | 0.1215 | | Ma |
| PCB-71 (C40) | 26:56 | 1243699 | 0.79 | 0.9179 | 41.6 | 41.6 | 0.1215 | 0.1215 | | Ma |
| PCB-64 | 27:09 | 1329307 | 0.79 | 1.4164 | 28.8 | 28.8 | 0.0787 | 0.0787 | | Ma |
| PCB-72 | 28:00 | 190114 | 0.83 | 1.3157 | 4.436 | 4.436 | 0.0848 | 0.0848 | | |
| PCB-68 | 28:17 | 97230 | 0.89 | 1.4782 | 2.019 | 2.019 | 0.0754 | 0.0754 | | |
| PCB-57 | 28:42 | 11287 | 0.77 | 1.2817 | 0.2704 | 0.2704 | 0.0870 | 0.0870 | | Ma |
| PCB-58 | 28:55 | 42088 | 0.78 | 1.3214 | 0.9779 | 0.9779 | 0.0844 | 0.0844 | | Ma |
| PCB-67 | 29:06 | 81789 | 0.77 | 1.3944 | 1.935 | 1.801 | 0.0800 | 0.0800 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:22 | 155799 | 0.81 | 1.4685 | 3.257 | 3.257 | 0.0759 | 0.0759 | | |
| PCB-61 | 29:41 | 6143240 | 0.79 | 1.3565 | 139.0 | 139.0 | 0.0822 | 0.0822 | | |
| PCB-70 (C61) | 29:41 | 6143240 | 0.79 | 1.3565 | 139.0 | 139.0 | 0.0822 | 0.0822 | | |
| PCB-74 (C61) | 29:41 | 6143240 | 0.79 | 1.3565 | 139.0 | 139.0 | 0.0822 | 0.0822 | | |
| PCB-76 (C61) | 29:41 | 6143240 | 0.79 | 1.3565 | 139.0 | 139.0 | 0.0822 | 0.0822 | | |
| PCB-66 | 30:01 | 3620631 | 0.80 | 1.2800 | 86.8 | 86.8 | 0.0871 | 0.0871 | | Ma |
| PCB-55 | 30:10 | 23484 | 0.77 | 1.2951 | 0.6231 | 0.5567 | 0.0861 | 0.0861 | | RQMa |
| PCB-56 | 30:41 | 1335900 | 0.82 | 1.2671 | 32.4 | 32.4 | 0.0880 | 0.0880 | | |
| PCB-60 | 30:54 | 243836 | 0.81 | 1.3288 | 5.634 | 5.634 | 0.0839 | 0.0839 | | |
| PCB-80 | 31:17 | | | | | | 0.0759 | 0.0759 | | |
| PCB-79 | 32:51 | 146948 | 0.77 | 1.5421 | 2.926 | 2.926 | 0.0723 | 0.0723 | | |
| PCB-78 | 33:23 | | | | | | 0.0848 | 0.0848 | | |
| PCB-81 | 33:49 | | | | | | 0.0861 | 0.0861 | | |
| PCB-77 | 34:23 | 244375 | 0.81 | 1.3308 | 5.473 | 5.473 | 0.0822 | 0.0822 | | |
| S Total Pentachlorobiphen | | | | | 1230.5 | 1230.5 | 0.1043 | 0.1043 | | |
| D PCB-104L | 25:51 | 443648 | 1.71 | 1.1164 | 15.9 | 15.9 | 0.0425 | 0.0425 | 79.60 | |
| * PCB-101L | 31:44 | 499258 | 1.60 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:26 | 535742 | 1.63 | 1.2177 | 17.6 | 17.6 | 0.0390 | 0.0390 | 88.12 | |
| D PCB-123L | 36:23 | 646747 | 1.57 | 0.9909 | 15.8 | 15.8 | 0.2772 | 0.2772 | 78.99 | |
| D PCB-118L | 36:42 | 687610 | 1.53 | 1.0256 | 16.2 | 16.2 | 0.2679 | 0.2679 | 81.15 | |
| D PCB-114L | 37:14 | 652065 | 1.59 | 1.0030 | 15.7 | 15.7 | 0.2739 | 0.2739 | 78.69 | |
| D PCB-105L | 37:53 | 654892 | 1.62 | 1.0013 | 15.8 | 15.8 | 0.2744 | 0.2744 | 79.16 | |
| * PCB-127L | 39:22 | 826221 | 1.70 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:59 | 646790 | 1.75 | 0.9020 | 17.4 | 17.4 | 0.3046 | 0.3046 | 86.79 | |
| PCB-104 | 25:51 | | | | | | 0.0415 | 0.0415 | | |
| PCB-96 | 26:14 | 44621 | 1.62 | 1.2268 | 1.640 | 1.640 | 0.0471 | 0.0471 | | |
| PCB-103 | 28:10 | 173109 | 1.60 | 1.0331 | 7.554 | 7.554 | 0.0560 | 0.0560 | | |
| PCB-94 | 28:23 | 35355 | 1.64 | 0.9036 | 1.764 | 1.764 | 0.0640 | 0.0640 | | |
| PCB-95 | 28:49 | 3499591 | 1.59 | 0.9620 | 164.0 | 164.0 | 0.0601 | 0.0601 | | |
| PCB-93 | 29:03 | 129576 | 1.59 | 0.9806 | 5.957 | 5.957 | 0.0590 | 0.0590 | | |
| PCB-100 (C93) | 29:03 | 129576 | 1.59 | 0.9806 | 5.957 | 5.957 | 0.0590 | 0.0590 | | |
| PCB-98 | 29:11 | 233636 | 1.52 | 0.9888 | 10.7 | 10.7 | 0.0585 | 0.0585 | | |
| PCB-102 (C98) | 29:11 | 233636 | 1.52 | 0.9888 | 10.7 | 10.7 | 0.0585 | 0.0585 | | |
| PCB-88 | 29:41 | 815138 | 1.62 | 1.0052 | 36.6 | 36.6 | 0.0575 | 0.0575 | | |
| PCB-91 (C88) | 29:41 | 815138 | 1.62 | 1.0052 | 36.6 | 36.6 | 0.0575 | 0.0575 | | |
| PCB-84 | 29:54 | 896949 | 1.64 | 0.8601 | 47.0 | 47.0 | 0.0672 | 0.0672 | | |
| PCB-89 | 30:23 | 38403 | 1.72 | 0.8936 | 1.937 | 1.937 | 0.0647 | 0.0647 | | |
| PCB-121 | 30:48 | | | | | | 0.0414 | 0.0414 | | |
| PCB-92 | 31:11 | 1144466 | 1.58 | 0.9532 | 54.1 | 54.1 | 0.0607 | 0.0607 | | |
| PCB-90 | 31:46 | 5548213 | 1.59 | 1.1367 | 220.0 | 220.0 | 0.0509 | 0.0509 | | |
| PCB-101 (C90) | 31:46 | 5548213 | 1.59 | 1.1367 | 220.0 | 220.0 | 0.0509 | 0.0509 | | |
| PCB-113 (C90) | 31:46 | 5548213 | 1.59 | 1.1367 | 220.0 | 220.0 | 0.0509 | 0.0509 | | |
| PCB-83 | 32:21 | 3096344 | 1.58 | 0.9393 | 148.6 | 148.6 | 0.0615 | 0.0615 | | Ma |
| PCB-99 (C83) | 32:21 | 3096344 | 1.58 | 0.9393 | 148.6 | 148.6 | 0.0615 | 0.0615 | | Ma |
| PCB-112 | 32:21 | | | | | | 0.0423 | 0.0423 | | MUa |
| PCB-86 | 32:51 | 2667935 | 1.57 | 1.1958 | 100.6 | 100.6 | 0.0483 | 0.0483 | | Ma |
| PCB-87 (C86) | 32:51 | 2667935 | 1.57 | 1.1958 | 100.6 | 100.6 | 0.0483 | 0.0483 | | Ma |
| PCB-97 (C86) | 32:51 | 2667935 | 1.57 | 1.1958 | 100.6 | 100.6 | 0.0483 | 0.0483 | | Ma |
| PCB-109 (C86) | 32:51 | 2667935 | 1.57 | 1.1958 | 100.6 | 100.6 | 0.0483 | 0.0483 | | Ma |
| PCB-119 (C86) | 32:51 | 2667935 | 1.57 | 1.1958 | 100.6 | 100.6 | 0.0483 | 0.0483 | | Ma |
| PCB-125 (C86) | 32:51 | 2667935 | 1.57 | 1.1958 | 100.6 | 100.6 | 0.0483 | 0.0483 | | Ma |
| PCB-85 | 33:34 | 703843 | 1.60 | 1.2126 | 26.2 | 26.2 | 0.0477 | 0.0477 | | |
| PCB-116 (C85) | 33:34 | 703843 | 1.60 | 1.2126 | 26.2 | 26.2 | 0.0477 | 0.0477 | | |
| PCB-117 (C85) | 33:34 | 703843 | 1.60 | 1.2126 | 26.2 | 26.2 | 0.0477 | 0.0477 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:44 | 6076702 | 1.58 | 1.3511 | 202.8 | 202.8 | 0.0428 | 0.0428 | | a |
| PCB-115 (C110) | 33:44 | 6076702 | 1.58 | 1.3511 | 202.8 | 202.8 | 0.0428 | 0.0428 | | a |
| PCB-82 | 34:02 | 345242 | 1.67 | 0.8675 | 17.9 | 17.9 | 0.0666 | 0.0666 | | |
| PCB-111 | 34:26 | | | | | | 0.0405 | 0.0405 | | |
| PCB-120 | 34:55 | 115916 | 1.59 | 1.4907 | 3.505 | 3.505 | 0.0388 | 0.0388 | | |
| PCB-108 | 36:03 | 157001 | 1.55 | 1.2547 | 3.806 | 3.806 | 0.2186 | 0.2186 | | |
| PCB-124 (C108) | 36:03 | 157001 | 1.55 | 1.2547 | 3.806 | 3.806 | 0.2186 | 0.2186 | | |
| PCB-107 | 36:18 | 657892 | 1.57 | 1.3580 | 14.7 | 14.7 | 0.2020 | 0.2020 | | M |
| PCB-123 | 36:23 | 62098 | 1.65 | 1.3407 | 1.432 | 1.432 | 0.2061 | 0.2061 | | Ma |
| PCB-106 | 36:30 | | | | | | 0.2152 | 0.2152 | | |
| PCB-118 | 36:44 | 5432374 | 1.57 | 1.2892 | 122.6 | 122.6 | 0.2014 | 0.2014 | | |
| PCB-122 | 37:05 | 64314 | 1.64 | 1.1614 | 1.684 | 1.684 | 0.2362 | 0.2362 | | |
| PCB-114 | 37:16 | 77445 | 1.47 | 1.4051 | 1.691 | 1.691 | 0.1924 | 0.1924 | | Ma |
| PCB-105 | 37:54 | 1408458 | 1.58 | 1.2887 | 33.4 | 33.4 | 0.2157 | 0.2157 | | |
| PCB-127 | 39:22 | | | | | | 0.2136 | 0.2136 | | |
| PCB-126 | 41:01 | 17053 | 1.39 | 1.3416 | 0.3930 | 0.3930 | 0.2153 | 0.2153 | | Ma |
| S Total Hexachlorobipheny | | | | | 1095.2 | 1095.1 | 0.1024 | 0.1024 | | RQ |
| D PCB-155L | 31:31 | 478618 | 1.23 | 0.9499 | 20.2 | 20.2 | 0.0723 | 0.0723 | 101 | |
| * PCB-138L | 39:50 | 598648 | 1.24 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:51 | 600359 | 1.29 | 1.2544 | 16.0 | 16.0 | 0.1367 | 0.1367 | 79.94 | |
| D PCB-156L | 44:00 | 1178919 | 1.26 | 1.2289 | 32.0 | 32.0 | 0.1396 | 0.1396 | 80.12 | |
| D PCB-157L (C156L) | 44:00 | 1178919 | 1.26 | 1.2289 | 32.0 | 32.0 | 0.1396 | 0.1396 | 80.12 | |
| D PCB-169L | 47:13 | 584587 | 1.20 | 1.0883 | 17.9 | 17.9 | 0.1576 | 0.1576 | 89.72 | |
| PCB-155 | 31:32 | | | | | | 0.0236 | 0.0236 | | |
| PCB-152 | 31:43 | 6153 | 1.24 | 1.2556 | 0.2379 | 0.2048 | 0.0245 | 0.0245 | | RQ |
| PCB-150 | 31:54 | 51095 | 1.35 | 1.2368 | 1.726 | 1.726 | 0.0248 | 0.0248 | | |
| PCB-136 | 32:15 | 1043882 | 1.27 | 1.1563 | 37.7 | 37.7 | 0.0266 | 0.0266 | | |
| PCB-145 | 32:32 | 2338 | 1.24 | 1.1910 | 0.1124 | 0.0820 | 0.0258 | 0.0258 | | RQMa |
| PCB-148 | 34:05 | 33857 | 1.25 | 0.8982 | 1.575 | 1.575 | 0.0342 | 0.0342 | | |
| PCB-135 | 34:39 | 1946653 | 1.27 | 0.8691 | 93.6 | 93.6 | 0.0353 | 0.0353 | | |
| PCB-151 (C135) | 34:39 | 1946653 | 1.27 | 0.8691 | 93.6 | 93.6 | 0.0353 | 0.0353 | | |
| PCB-154 | 34:55 | 253320 | 1.27 | 1.0180 | 10.4 | 10.4 | 0.0302 | 0.0302 | | |
| PCB-144 | 35:14 | 201391 | 1.27 | 0.9185 | 9.162 | 9.162 | 0.0334 | 0.0334 | | |
| PCB-147 | 35:35 | 6402741 | 1.25 | 0.9747 | 222.3 | 222.3 | 0.1441 | 0.1441 | | |
| PCB-149 (C147) | 35:35 | 6402741 | 1.25 | 0.9747 | 222.3 | 222.3 | 0.1441 | 0.1441 | | |
| PCB-134 | 35:47 | 307470 | 1.28 | 0.8518 | 12.2 | 12.2 | 0.1649 | 0.1649 | | a |
| PCB-143 (C134) | 35:47 | 307470 | 1.28 | 0.8518 | 12.2 | 12.2 | 0.1649 | 0.1649 | | a |
| PCB-139 | 36:12 | 139927 | 1.20 | 0.9995 | 4.738 | 4.738 | 0.1406 | 0.1406 | | |
| PCB-140 (C139) | 36:12 | 139927 | 1.20 | 0.9995 | 4.738 | 4.738 | 0.1406 | 0.1406 | | |
| PCB-131 | 36:23 | 55668 | 1.35 | 0.8584 | 2.195 | 2.195 | 0.1637 | 0.1637 | | |
| PCB-142 | 36:31 | | | | | | 0.1634 | 0.1634 | | |
| PCB-132 | 36:51 | 1898467 | 1.26 | 0.8801 | 73.0 | 73.0 | 0.1596 | 0.1596 | | |
| PCB-133 | 37:21 | 183124 | 1.28 | 0.9064 | 6.837 | 6.837 | 0.1550 | 0.1550 | | |
| PCB-165 | 37:44 | | | | | | 0.1253 | 0.1253 | | |
| PCB-146 | 38:01 | 1802934 | 1.25 | 1.0084 | 60.5 | 60.5 | 0.1393 | 0.1393 | | |
| PCB-161 | 38:07 | | | | | | 0.1051 | 0.1051 | | |
| PCB-153 | 38:37 | 7885438 | 1.26 | 1.2207 | 218.6 | 218.6 | 0.1151 | 0.1151 | | |
| PCB-168 (C153) | 38:37 | 7885438 | 1.26 | 1.2207 | 218.6 | 218.6 | 0.1151 | 0.1151 | | |
| PCB-141 | 38:49 | 955940 | 1.27 | 0.9608 | 33.7 | 33.7 | 0.1462 | 0.1462 | | |
| PCB-130 | 39:13 | 415169 | 1.29 | 0.8274 | 17.0 | 17.0 | 0.1698 | 0.1698 | | |
| PCB-137 | 39:26 | 182520 | 1.12 | 1.0582 | 5.837 | 5.837 | 0.1328 | 0.1328 | | |
| PCB-164 | 39:33 | 597108 | 1.31 | 1.2527 | 16.1 | 16.1 | 0.1122 | 0.1122 | | |
| PCB-129 | 39:52 | 6483842 | 1.26 | 1.0840 | 202.4 | 202.4 | 0.1296 | 0.1296 | | |
| PCB-138 (C129) | 39:52 | 6483842 | 1.26 | 1.0840 | 202.4 | 202.4 | 0.1296 | 0.1296 | | |
| PCB-160 (C129) | 39:52 | 6483842 | 1.26 | 1.0840 | 202.4 | 202.4 | 0.1296 | 0.1296 | | |
| PCB-163 (C129) | 39:52 | 6483842 | 1.26 | 1.0840 | 202.4 | 202.4 | 0.1296 | 0.1296 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:15 | 591165 | 1.26 | 1.3862 | 14.4 | 14.4 | 0.1014 | 0.1014 | | |
| PCB-128 | 41:07 | 804817 | 1.26 | 1.1165 | 24.4 | 24.4 | 0.1258 | 0.1258 | | |
| PCB-166 (C128) | 41:07 | 804817 | 1.26 | 1.1165 | 24.4 | 24.4 | 0.1258 | 0.1258 | | |
| PCB-159 | 42:05 | 134114 | 1.25 | 1.3178 | 3.444 | 3.444 | 0.1066 | 0.1066 | | |
| PCB-162 | 42:22 | | | | | | 0.1031 | 0.1031 | | |
| PCB-167 | 42:52 | 233111 | 1.19 | 1.3357 | 5.814 | 5.814 | 0.0896 | 0.0896 | | |
| PCB-156 | 44:00 | 641973 | 1.26 | 1.2759 | 17.1 | 17.1 | 0.1312 | 0.1312 | | |
| PCB-157 (C156) | 44:00 | 641973 | 1.26 | 1.2759 | 17.1 | 17.1 | 0.1312 | 0.1312 | | |
| PCB-169 | 47:13 | | | | | | 0.0955 | 0.0955 | | |
| S Total Heptachlorobiphen | | | | | 663.8 | 663.7 | 0.0275 | 0.0275 | | RQ |
| D PCB-188L | 37:14 | 555928 | 1.01 | 1.3162 | 17.0 | 17.0 | 0.0382 | 0.0382 | 85.25 | |
| $ PCB-178L | 40:18 | 391449 | 1.08 | 0.9222 | 17.1 | 17.1 | 0.0545 | 0.0545 | 85.67 | |
| * PCB-180L | 45:23 | 495488 | 1.05 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:39 | 316336 | 1.14 | 0.8357 | 15.3 | 15.3 | 0.0601 | 0.0601 | 76.39 | |
| D PCB-189L | 49:46 | 718540 | 1.02 | 1.4666 | 16.7 | 16.7 | 0.6127 | 0.6127 | 83.72 | |
| PCB-188 | 37:15 | | | | | | 0.0166 | 0.0166 | | |
| PCB-179 | 37:36 | 1250430 | 1.09 | 1.4149 | 40.5 | 40.5 | 0.0192 | 0.0192 | | |
| PCB-184 | 38:07 | | | | | | 0.0191 | 0.0191 | | |
| PCB-176 | 38:29 | 340637 | 1.04 | 1.5212 | 10.3 | 10.3 | 0.0178 | 0.0178 | | |
| PCB-186 | 38:55 | | | | | | 0.0189 | 0.0189 | | |
| PCB-178 | 40:20 | 420695 | 1.02 | 1.0228 | 18.9 | 18.9 | 0.0265 | 0.0265 | | |
| PCB-175 | 40:57 | 81249 | 1.07 | 1.0690 | 3.485 | 3.485 | 0.0253 | 0.0253 | | |
| PCB-187 | 41:14 | 2626707 | 1.05 | 1.1106 | 108.5 | 108.5 | 0.0244 | 0.0244 | | |
| PCB-182 | 41:26 | 22473 | 1.05 | 1.1484 | 1.056 | 0.8974 | 0.0236 | 0.0236 | | RQ |
| PCB-183 | 41:51 | 1330214 | 1.04 | 1.1368 | 53.7 | 53.7 | 0.0238 | 0.0238 | | |
| PCB-185 (C183) | 41:51 | 1330214 | 1.04 | 1.1368 | 53.7 | 53.7 | 0.0238 | 0.0238 | | |
| PCB-174 | 42:05 | 1862295 | 1.05 | 0.9547 | 89.5 | 89.5 | 0.0284 | 0.0284 | | |
| PCB-177 | 42:31 | 1086412 | 1.06 | 0.9426 | 52.9 | 52.9 | 0.0287 | 0.0287 | | |
| PCB-181 | 42:53 | | | | | | 0.0245 | 0.0245 | | |
| PCB-171 | 43:08 | 490027 | 1.08 | 0.9603 | 23.4 | 23.4 | 0.0282 | 0.0282 | | |
| PCB-173 (C171) | 43:08 | 490027 | 1.08 | 0.9603 | 23.4 | 23.4 | 0.0282 | 0.0282 | | |
| PCB-172 | 44:46 | 282707 | 1.08 | 0.9918 | 13.1 | 13.1 | 0.0273 | 0.0273 | | |
| PCB-192 | 45:01 | | | | | | 0.0210 | 0.0210 | | |
| PCB-180 | 45:25 | 4297592 | 1.05 | 1.2286 | 160.4 | 160.4 | 0.0221 | 0.0221 | | |
| PCB-193 (C180) | 45:25 | 4297592 | 1.05 | 1.2286 | 160.4 | 160.4 | 0.0221 | 0.0221 | | |
| PCB-191 | 45:46 | 84899 | 1.12 | 1.3848 | 2.811 | 2.811 | 0.0196 | 0.0196 | | |
| PCB-170 | 46:40 | 1407264 | 1.06 | 1.2700 | 70.1 | 70.1 | 0.0307 | 0.0307 | | |
| PCB-190 | 47:12 | 396202 | 1.07 | 1.3774 | 13.2 | 13.2 | 0.0197 | 0.0197 | | |
| PCB-189 | 49:47 | 103305 | 1.03 | 1.2799 | 2.247 | 2.247 | 0.1121 | 0.1121 | | |
| S Total Octachlorobipheny | | | | | 183.7 | 183.6 | 0.0980 | 0.0980 | | RQ |
| D PCB-202L | 42:37 | 444497 | 0.92 | 1.0055 | 17.8 | 17.8 | 0.0944 | 0.0944 | 89.22 | |
| * PCB-194L | 51:53 | 585201 | 0.93 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:21 | 553028 | 1.01 | 1.2867 | 14.7 | 14.7 | 0.2732 | 0.2732 | 73.44 | |
| PCB-202 | 42:39 | 232565 | 0.93 | 1.0531 | 9.937 | 9.937 | 0.0427 | 0.0427 | | |
| PCB-201 | 43:34 | 164804 | 0.89 | 1.1860 | 6.252 | 6.252 | 0.0379 | 0.0379 | | |
| PCB-204 | 44:13 | | | | | | 0.0408 | 0.0408 | | |
| PCB-197 | 44:28 | 36265 | 0.89 | 1.2053 | 1.477 | 1.354 | 0.0373 | 0.0373 | | RQ |
| PCB-200 | 44:34 | 158536 | 0.85 | 1.1260 | 6.335 | 6.335 | 0.0399 | 0.0399 | | |
| PCB-198 | 47:23 | 902046 | 0.91 | 0.8183 | 49.6 | 49.6 | 0.0549 | 0.0549 | | |
| PCB-199 (C198) | 47:23 | 902046 | 0.91 | 0.8183 | 49.6 | 49.6 | 0.0549 | 0.0549 | | |
| PCB-196 | 48:02 | 417583 | 0.90 | 0.8748 | 21.5 | 21.5 | 0.0514 | 0.0514 | | |
| PCB-203 | 48:14 | 559453 | 0.89 | 0.9219 | 27.3 | 27.3 | 0.0487 | 0.0487 | | |
| PCB-195 | 49:33 | 381465 | 0.91 | 0.7839 | 17.6 | 17.6 | 0.2921 | 0.2921 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:54 | 1072170 | 0.91 | 0.9282 | 41.8 | 41.8 | 0.2467 | 0.2467 | | |
| PCB-205 | 52:22 | 66160 | 0.89 | 1.2342 | 1.939 | 1.939 | 0.1855 | 0.1855 | | |
| S Total Nonachlorobipheny | | | | | 35.3 | 30.0 | 0.1440 | 0.1440 | | RQ |
| D PCB-208L | 49:18 | 540765 | 0.80 | 1.1383 | 16.2 | 16.2 | 0.3954 | 0.3954 | 81.18 | |
| D PCB-206L | 54:07 | 363001 | 0.76 | 0.8938 | 13.9 | 13.9 | 0.5036 | 0.5036 | 69.40 | |
| PCB-208 | 49:19 | 138371 | 0.78 | 1.1567 | 4.424 | 4.424 | 0.1261 | 0.1261 | | |
| PCB-207 | 50:15 | 68258 | 0.77 | 1.3964 | 2.163 | 2.163 | 0.1247 | 0.1247 | | |
| PCB-206 | 54:05 | 505959 | 0.77 | 1.1927 | 28.7 | 23.4 | 0.1812 | 0.1812 | | RQMa |
| D PCB-209L | 55:46 | 434373 | 0.72 | 0.9809 | 15.1 | 15.1 | 0.0962 | 0.0962 | 75.68 | |
| DCB Decachlorobiphenyl | 55:47 | 460518 | 0.71 | 1.2455 | 17.0 | 17.0 | 0.0282 | 0.0282 | | |
| S Polychlorinated bipheny | | | | | 4167.9 | 17.0 | 0.0899 | 0.0899 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d
Lims ID: 580-88908-A-27-C
Client ID: J5-SC1b-30to40-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 16:43:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 00:05:01 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 03-Oct-2019 23:07:31

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | RQMa |
| 200.0795 | 12:01 | 12:01 | 16 | 0.739 | 311058 | 94514 | 234 | 585 | 404 | | M |
| 202.0766 | 12:01 | 12:01 | 16 | 0.739 | 131328 | 29426 | 1601 | 4002 | 18 | 2.37(2.66-3.60) | |
| | Empc Correction | | | | 99379 | 30196 | 1601 | 4002 | 19 | | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 14:05 | 13:59 | 11 | 0.867 | 393055 | 80391 | 234 | 585 | 344 | | |
| 202.0766 | 14:05 | 13:59 | 11 | 0.867 | 135889 | 25823 | 1601 | 4002 | 16 | 2.89(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | a |
| 188.0393 | 12:01 | 12:01 | 16 | 1.001 | 39688 | 12399 | 53 | 132 | 234 | | a |
| 190.0363 | 12:01 | 12:01 | 16 | 1.001 | 14338 | 3717 | 47 | 117 | 79 | 2.77(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:55 | 13:55 | 11 | 0.989 | 11736 | 2389 | 53 | 132 | 45 | | |
| 190.0363 | 13:55 | 13:55 | 11 | 0.989 | 3308 | 808 | 47 | 117 | 17 | 3.55(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | Ma |
| 188.0393 | 14:06 | 14:05 | 11 | 1.001 | 29340 | 6417 | 53 | 132 | 121 | | M |
| 190.0363 | 14:06 | 14:05 | 11 | 1.001 | 9329 | 2237 | 47 | 117 | 48 | 3.15(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:20 | 14:15 | 10 | 0.882 | 156640 | 31826 | 452 | 1130 | 70 | | |
| 236.0376 | 14:20 | 14:15 | 10 | 0.882 | 94262 | 21029 | 159 | 397 | 132 | 1.66(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:14 | 16:07 | 7 | | 436493 | 109633 | 452 | 1130 | 243 | | |
| 236.0376 | 16:14 | 16:07 | 7 | | 260517 | 69336 | 159 | 397 | 436 | 1.68(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:05 | 20:05 | 4 | 1.237 | 381511 | 85493 | 452 | 1130 | 189 | | |
| 236.0376 | 20:05 | 20:05 | 4 | 1.237 | 217393 | 53521 | 159 | 397 | 337 | 1.75(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:20 | 14:20 | 10 | 1.001 | 31409 | 6419 | 119 | 297 | 54 | | |
| 223.9974 | 14:20 | 14:20 | 10 | 1.001 | 18395 | 4337 | 67 | 167 | 65 | 1.71(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | RQ |
| 222.0003 | 14:31 | 14:31 | 10 | 1.013 | 3091 | 735 | 119 | 297 | 6 | | |
| 223.9974 | 14:31 | 14:31 | 10 | 1.013 | 2610 | 556 | 67 | 167 | 8 | 1.18(1.33-1.79) | |
| | Empc Correction | | | | 1981 | 471 | 67 | 167 | 7 | | |
| PCB-9 | | | | | | | | | | | RQa |
| 222.0003 | 16:15 | 16:15 | 7 | 1.134 | 13237 | 3196 | 119 | 297 | 27 | | a |
| | Empc Correction | | | | 9414 | 2945 | 119 | 297 | 25 | | |
| 223.9974 | 16:15 | 16:15 | 7 | 1.134 | 6035 | 1888 | 67 | 167 | 28 | 2.19(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | a |
| 222.0003 | 16:25 | 16:25 | 7 | 1.146 | 11942 | 3282 | 119 | 297 | 28 | | a |
| 223.9974 | 16:25 | 16:25 | 6 | 1.145 | 6830 | 2056 | 67 | 167 | 31 | 1.75(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | a |
| 222.0003 | 16:39 | 16:39 | 6 | 1.162 | 51638 | 13593 | 119 | 297 | 114 | | a |
| 223.9974 | 16:39 | 16:39 | 6 | 1.162 | 33751 | 9068 | 67 | 167 | 135 | 1.53(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | RQMa |
| 222.0003 | 16:58 | 16:56 | 8 | 1.185 | 3300 | 1798 | 119 | 297 | 15 | | M |
| 223.9974 | 16:58 | 16:56 | 8 | 1.185 | 3062 | 1257 | 67 | 167 | 19 | 1.08(1.33-1.79) | |
| | Empc Correction | | | | 2115 | 1152 | 67 | 167 | 17 | | |
| PCB-8 | | | | | | | | | | | Ma |
| 222.0003 | 17:05 | 17:04 | 6 | 1.192 | 172899 | 46238 | 119 | 297 | 389 | | M |
| 223.9974 | 17:05 | 17:04 | 6 | 1.192 | 109852 | 28346 | 67 | 167 | 423 | 1.57(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | | | | | | 119 | 297 | | | |
| 223.9974 | 18:38 | | | | | | 67 | 167 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:30 | 19:29 | 5 | 0.971 | 22151 | 5473 | 119 | 297 | 46 | | |
| 223.9974 | 19:30 | 19:29 | 5 | 0.971 | 15175 | 3838 | 67 | 167 | 57 | 1.46(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:46 | 2 | 0.984 | 22052 | 4769 | 119 | 297 | 40 | | |
| 223.9974 | 19:46 | 19:46 | 2 | 0.984 | 14446 | 3300 | 67 | 167 | 49 | 1.53(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:46 | 2 | 0.984 | 22052 | 4769 | 119 | 297 | 40 | | |
| 223.9974 | 19:46 | 19:46 | 2 | 0.984 | 14446 | 3300 | 67 | 167 | 49 | 1.53(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:05 | 4 | 1.001 | 112957 | 25529 | 119 | 297 | 215 | | |
| 223.9974 | 20:07 | 20:05 | 5 | 1.001 | 72745 | 15947 | 67 | 167 | 238 | 1.55(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:21 | 17:17 | 6 | 0.844 | 104086 | 26376 | 484 | 1210 | 54 | | |
| 269.9986 | 17:21 | 17:17 | 6 | 0.844 | 94522 | 25402 | 374 | 935 | 68 | 1.10(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:33 | 20:29 | 4 | | 264785 | 64334 | 484 | 1210 | 133 | | |
| 269.9986 | 20:33 | 20:29 | 4 | | 234513 | 62299 | 374 | 935 | 167 | 1.13(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:48 | 22:45 | 3 | | 576485 | 141510 | 394 | 985 | 359 | | |
| 269.9986 | 22:48 | 22:45 | 3 | | 541827 | 135369 | 229 | 572 | 591 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:05 | 23:05 | 3 | 1.013 | 471157 | 117681 | 394 | 985 | 299 | | |
| 269.9986 | 23:05 | 23:05 | 3 | 1.013 | 456282 | 107904 | 229 | 572 | 471 | 1.03(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:05 | 1 | 1.187 | 428947 | 95493 | 394 | 985 | 242 | | |
| 269.9986 | 27:04 | 27:05 | 1 | 1.187 | 396697 | 88724 | 229 | 572 | 387 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:22 | 17:22 | 6 | 1.001 | 16199 | 4388 | 60 | 150 | 73 | | |
| 257.9584 | 17:22 | 17:22 | 6 | 1.001 | 16228 | 4537 | 61 | 152 | 74 | 1.00(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 6 | 1.106 | 257549 | 65281 | 60 | 150 | 1088 | | |
| 257.9584 | 19:12 | 19:12 | 6 | 1.106 | 243929 | 62529 | 61 | 152 | 1025 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 6 | 1.106 | 257549 | 65281 | 60 | 150 | 1088 | | |
| 257.9584 | 19:12 | 19:12 | 6 | 1.106 | 243929 | 62529 | 61 | 152 | 1025 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | a |
| 255.9613 | 19:37 | 19:36 | 4 | 1.130 | 143417 | 37135 | 60 | 150 | 619 | | a |
| 257.9584 | 19:37 | 19:36 | 4 | 1.130 | 135203 | 34729 | 61 | 152 | 569 | 1.06(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | a |
| 255.9613 | 19:49 | 19:49 | 4 | 1.143 | 20803 | 5483 | 60 | 150 | 91 | | a |
| 257.9584 | 19:49 | 19:49 | 4 | 1.143 | 20353 | 4921 | 61 | 152 | 81 | 1.02(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | a |
| 255.9613 | 19:57 | 19:57 | 4 | 1.150 | 3361 | 911 | 60 | 150 | 15 | | a |
| 257.9584 | 19:58 | 19:57 | 5 | 1.151 | 2989 | 868 | 61 | 152 | 14 | 1.12(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | a |
| 255.9613 | 20:04 | 20:03 | 3 | 1.156 | 69960 | 18102 | 60 | 150 | 302 | | a |
| 257.9584 | 20:04 | 20:03 | 3 | 1.156 | 64078 | 16240 | 61 | 152 | 266 | 1.09(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | a |
| 255.9613 | 20:34 | 20:34 | 3 | 1.186 | 116715 | 29133 | 60 | 150 | 486 | | a |
| 257.9584 | 20:34 | 20:34 | 3 | 1.186 | 111268 | 28099 | 61 | 152 | 461 | 1.05(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | RQa |
| 255.9613 | 21:49 | 21:49 | 3 | 1.257 | 21557 | 5750 | 422 | 1055 | 14 | | a |
| | Empc Correction | | | | 18238 | 5352 | 422 | 1055 | 13 | | |
| 257.9584 | 21:49 | 21:49 | 3 | 1.257 | 17537 | 5147 | 468 | 1170 | 11 | 1.23(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:03 | | | | | | 422 | 1055 | | | |
| 257.9584 | 22:03 | | | | | | 468 | 1170 | | | |
| PCB-26 | | | | | | | | | | | a |
| 255.9613 | 22:17 | 22:16 | 2 | 1.284 | 184183 | 44783 | 422 | 1055 | 106 | | a |
| 257.9584 | 22:16 | 22:16 | 1 | 1.283 | 173701 | 41696 | 468 | 1170 | 89 | 1.06(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | a |
| 255.9613 | 22:17 | 22:16 | 2 | 1.284 | 184183 | 44783 | 422 | 1055 | 106 | | a |
| 257.9584 | 22:16 | 22:16 | 1 | 1.283 | 173701 | 41696 | 468 | 1170 | 89 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:28 | 3 | 0.832 | 118795 | 27359 | 422 | 1055 | 65 | | |
| 257.9584 | 22:30 | 22:28 | 3 | 0.832 | 110175 | 25381 | 468 | 1170 | 54 | 1.08(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:49 | 22:46 | 3 | 0.843 | 1087004 | 267358 | 422 | 1055 | 634 | | |
| 257.9584 | 22:49 | 22:46 | 3 | 0.843 | 1016665 | 247942 | 468 | 1170 | 530 | 1.07(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:04 | 2 | 0.854 | 1362070 | 325038 | 422 | 1055 | 770 | | |
| 257.9584 | 23:06 | 23:04 | 2 | 0.854 | 1282102 | 302731 | 468 | 1170 | 647 | 1.06(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:04 | 2 | 0.854 | 1362070 | 325038 | 422 | 1055 | 770 | | |
| 257.9584 | 23:06 | 23:04 | 2 | 0.854 | 1282102 | 302731 | 468 | 1170 | 647 | 1.06(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:18 | 3 | 0.863 | 595080 | 140597 | 422 | 1055 | 333 | | |
| 257.9584 | 23:21 | 23:18 | 3 | 0.863 | 563313 | 131674 | 468 | 1170 | 281 | 1.06(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:18 | 3 | 0.863 | 595080 | 140597 | 422 | 1055 | 333 | | |
| 257.9584 | 23:21 | 23:18 | 3 | 0.863 | 563313 | 131674 | 468 | 1170 | 281 | 1.06(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:42 | 3 | 0.877 | 322405 | 77484 | 422 | 1055 | 184 | | |
| 257.9584 | 23:44 | 23:42 | 2 | 0.877 | 301584 | 70359 | 468 | 1170 | 150 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | RnMU |
| 255.9613 | 25:16 | | | | | | 422 | 1055 | | | |
| 257.9584 | 25:16 | | | | | | 468 | 1170 | | | |
| PCB-39 | | | | | | | | | | | Ma |
| 255.9613 | 25:40 | 25:36 | 3 | 0.948 | 22579 | 3425 | 422 | 1055 | 8 | | M |
| 257.9584 | 25:41 | 25:36 | 4 | 0.949 | 24315 | 3345 | 468 | 1170 | 7 | 0.93(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:13 | | | | | | 422 | 1055 | | | |
| 257.9584 | 26:13 | | | | | | 468 | 1170 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:41 | 26:39 | 2 | 0.986 | 18276 | 4637 | 422 | 1055 | 11 | | |
| 257.9584 | 26:41 | 26:39 | 2 | 0.986 | 19760 | 4364 | 468 | 1170 | 9 | 0.92(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:05 | 27:03 | 2 | 1.001 | 285370 | 61036 | 422 | 1055 | 145 | | |
| 257.9584 | 27:05 | 27:03 | 2 | 1.001 | 272731 | 57299 | 468 | 1170 | 122 | 1.05(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:23 | 20:20 | 4 | 0.819 | 92266 | 23933 | 108 | 270 | 222 | | |
| 303.9597 | 20:23 | 20:20 | 4 | 0.819 | 115714 | 31220 | 17 | 42 | 1836 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:53 | 1 | | 262614 | 62877 | 107 | 267 | 588 | | |
| 303.9597 | 24:55 | 24:53 | 2 | | 334577 | 78058 | 86 | 215 | 908 | 0.78(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:49 | 33:48 | 2 | 1.358 | 289392 | 58644 | 107 | 267 | 548 | | |
| 303.9597 | 33:49 | 33:48 | 2 | 1.358 | 342466 | 71772 | 86 | 215 | 835 | 0.85(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:22 | 34:22 | 2 | 1.381 | 302583 | 61575 | 107 | 267 | 575 | | |
| 303.9597 | 34:22 | 34:22 | 2 | 1.381 | 368443 | 74143 | 86 | 215 | 862 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:21 | 3 | 1.000 | 5569 | 1383 | 9 | 22 | 154 | | |
| 291.9194 | 20:24 | 20:21 | 3 | 1.000 | 7543 | 1766 | 16 | 40 | 110 | 0.74(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:34 | 2 | 1.106 | 169083 | 40469 | 125 | 312 | 324 | | |
| 291.9194 | 22:33 | 22:34 | 2 | 1.106 | 203465 | 48974 | 172 | 430 | 285 | 0.83(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:34 | 2 | 1.106 | 169083 | 40469 | 125 | 312 | 324 | | |
| 291.9194 | 22:33 | 22:34 | 2 | 1.106 | 203465 | 48974 | 172 | 430 | 285 | 0.83(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:17 | 23:16 | 2 | 1.142 | 218020 | 29482 | 125 | 312 | 236 | | M |
| 291.9194 | 23:17 | 23:16 | 2 | 1.142 | 281582 | 38890 | 172 | 430 | 226 | 0.77(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:17 | 23:16 | 2 | 1.142 | 218020 | 29482 | 125 | 312 | 236 | | M |
| 291.9194 | 23:17 | 23:16 | 2 | 1.142 | 281582 | 38890 | 172 | 430 | 226 | 0.77(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | a |
| 289.9224 | 23:31 | 23:30 | 2 | 1.153 | 43937 | 10380 | 125 | 312 | 83 | | a |
| 291.9194 | 23:31 | 23:30 | 2 | 1.153 | 59099 | 14381 | 172 | 430 | 84 | 0.74(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | a |
| 289.9224 | 24:55 | 24:56 | 2 | 1.223 | 1621061 | 379425 | 125 | 312 | 3035 | | a |
| 291.9194 | 24:55 | 24:56 | 2 | 1.223 | 2022560 | 476031 | 172 | 430 | 2768 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:10 | 25:03 | 7 | 1.235 | 25232 | 6154 | 125 | 312 | 49 | | |
| 291.9194 | 25:10 | 25:03 | 7 | 1.235 | 33338 | 7379 | 172 | 430 | 43 | 0.76(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:10 | 25:03 | 7 | 1.235 | 25232 | 6154 | 125 | 312 | 49 | | |
| 291.9194 | 25:10 | 25:03 | 7 | 1.235 | 33338 | 7379 | 172 | 430 | 43 | 0.76(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 4 | 1.247 | 1202831 | 278448 | 125 | 312 | 2228 | | |
| 291.9194 | 25:25 | 25:24 | 4 | 1.247 | 1513703 | 349157 | 172 | 430 | 2030 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 4 | 1.247 | 1202831 | 278448 | 125 | 312 | 2228 | | |
| 291.9194 | 25:25 | 25:24 | 4 | 1.247 | 1513703 | 349157 | 172 | 430 | 2030 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | a |
| 289.9224 | 25:42 | 25:44 | 2 | 1.261 | 175835 | 40623 | 125 | 312 | 325 | | a |
| 291.9194 | 25:42 | 25:44 | 2 | 1.261 | 219674 | 52663 | 172 | 430 | 306 | 0.80(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 0 | 1.271 | 1453193 | 215263 | 125 | 312 | 1722 | | |
| 291.9194 | 25:55 | 25:58 | 0 | 1.271 | 1811745 | 265755 | 172 | 430 | 1545 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 0 | 1.271 | 1453193 | 215263 | 125 | 312 | 1722 | | |
| 291.9194 | 25:55 | 25:58 | 0 | 1.271 | 1811745 | 265755 | 172 | 430 | 1545 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 0 | 1.271 | 1453193 | 215263 | 125 | 312 | 1722 | | |
| 291.9194 | 25:55 | 25:58 | 0 | 1.271 | 1811745 | 265755 | 172 | 430 | 1545 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:16 | 3 | 1.288 | 128813 | 20569 | 125 | 312 | 165 | | |
| 291.9194 | 26:15 | 26:16 | 3 | 1.288 | 157753 | 25569 | 172 | 430 | 149 | 0.82(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:16 | 3 | 1.288 | 128813 | 20569 | 125 | 312 | 165 | | |
| 291.9194 | 26:15 | 26:16 | 3 | 1.288 | 157753 | 25569 | 172 | 430 | 149 | 0.82(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:16 | 3 | 1.288 | 128813 | 20569 | 125 | 312 | 165 | | |
| 291.9194 | 26:15 | 26:16 | 3 | 1.288 | 157753 | 25569 | 172 | 430 | 149 | 0.82(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:27 | | | | | | 125 | 312 | | | |
| 291.9194 | 26:27 | | | | | | 172 | 430 | | | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.321 | 547162 | 115298 | 125 | 312 | 922 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.321 | 696537 | 149075 | 172 | 430 | 867 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.321 | 547162 | 115298 | 125 | 312 | 922 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.321 | 696537 | 149075 | 172 | 430 | 867 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.321 | 547162 | 115298 | 125 | 312 | 922 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.321 | 696537 | 149075 | 172 | 430 | 867 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | Ma |
| 289.9224 | 27:09 | 27:08 | 1 | 1.332 | 584689 | 133447 | 125 | 312 | 1068 | | M |
| 291.9194 | 27:09 | 27:08 | 1 | 1.332 | 744618 | 165960 | 172 | 430 | 965 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:00 | 27:57 | 2 | 0.828 | 86007 | 20135 | 125 | 312 | 161 | | |
| 291.9194 | 28:00 | 27:57 | 2 | 0.828 | 104107 | 23679 | 172 | 430 | 138 | 0.83(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:17 | 28:16 | 2 | 0.837 | 45741 | 9106 | 125 | 312 | 73 | | |
| 291.9194 | 28:16 | 28:16 | 1 | 0.836 | 51489 | 11619 | 172 | 430 | 68 | 0.89(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | Ma |
| 289.9224 | 28:42 | 28:41 | 1 | 0.849 | 4925 | 1531 | 125 | 312 | 12 | | M |
| 291.9194 | 28:42 | 28:41 | 1 | 0.849 | 6362 | 1495 | 172 | 430 | 9 | 0.77(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | Ma |
| 289.9224 | 28:55 | 28:55 | 1 | 0.855 | 18499 | 4696 | 125 | 312 | 38 | | M |
| 291.9194 | 28:55 | 28:55 | 1 | 0.855 | 23589 | 5435 | 172 | 430 | 32 | 0.78(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | RQ |
| 289.9224 | 29:06 | 29:05 | 1 | 0.861 | 41685 | 8160 | 125 | 312 | 65 | | |
| | Empc Correction | | | | 35580 | 7385 | 125 | 312 | 59 | | |
| 291.9194 | 29:06 | 29:05 | 1 | 0.861 | 46209 | 9592 | 172 | 430 | 56 | 0.90(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:22 | 29:20 | 1 | 0.869 | 69608 | 15006 | 125 | 312 | 120 | | |
| 291.9194 | 29:21 | 29:20 | 1 | 0.868 | 86191 | 18764 | 172 | 430 | 109 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 2717495 | 453484 | 125 | 312 | 3628 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 3425745 | 574413 | 172 | 430 | 3340 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 2717495 | 453484 | 125 | 312 | 3628 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 3425745 | 574413 | 172 | 430 | 3340 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 2717495 | 453484 | 125 | 312 | 3628 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 3425745 | 574413 | 172 | 430 | 3340 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 2717495 | 453484 | 125 | 312 | 3628 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 3425745 | 574413 | 172 | 430 | 3340 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:01 | 30:01 | 2 | 0.888 | 1604359 | 339494 | 125 | 312 | 2716 | | M |
| 291.9194 | 30:01 | 30:01 | 2 | 0.888 | 2016272 | 426589 | 172 | 430 | 2480 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | RQMa |
| 289.9224 | 30:10 | 30:08 | 1 | 0.892 | 13019 | 2899 | 125 | 312 | 23 | | M |
| | Empc Correction | | | | 10216 | 2065 | 125 | 312 | 17 | | |
| 291.9194 | 30:09 | 30:08 | -1 | 0.892 | 13268 | 2683 | 172 | 430 | 16 | 0.98(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:41 | 30:39 | 1 | 0.907 | 600539 | 128190 | 125 | 312 | 1026 | | |
| 291.9194 | 30:41 | 30:39 | 1 | 0.907 | 735361 | 158101 | 172 | 430 | 919 | 0.82(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:54 | 30:52 | 1 | 0.914 | 109277 | 22632 | 125 | 312 | 181 | | |
| 291.9194 | 30:54 | 30:52 | 1 | 0.914 | 134559 | 28968 | 172 | 430 | 168 | 0.81(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:19 | | | | | | 125 | 312 | | | |
| 291.9194 | 31:19 | | | | | | 172 | 430 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:51 | 32:48 | 2 | 0.971 | 64083 | 12923 | 125 | 312 | 103 | | |
| 291.9194 | 32:51 | 32:48 | 2 | 0.971 | 82865 | 16948 | 172 | 430 | 99 | 0.77(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:24 | | | | | | 125 | 312 | | | |
| 291.9194 | 33:24 | | | | | | 172 | 430 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:50 | | | | | | 125 | 312 | | | |
| 291.9194 | 33:50 | | | | | | 172 | 430 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:23 | 34:22 | 1 | 1.000 | 109170 | 22398 | 125 | 312 | 179 | | |
| 291.9194 | 34:23 | 34:22 | 1 | 1.000 | 135205 | 27822 | 172 | 430 | 162 | 0.81(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:49 | 2 | 0.815 | 279821 | 63297 | 59 | 147 | 1073 | | |
| 339.9178 | 25:50 | 25:49 | 1 | 0.814 | 163827 | 37026 | 44 | 110 | 842 | 1.71(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:44 | 31:43 | 1 | | 307368 | 68795 | 59 | 147 | 1166 | | |
| 339.9178 | 31:45 | 31:43 | 2 | | 191890 | 39548 | 44 | 110 | 899 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:26 | 34:24 | 2 | 1.085 | 331752 | 71191 | 59 | 147 | 1207 | | |
| 339.9178 | 34:26 | 34:24 | 2 | 1.085 | 203990 | 42296 | 44 | 110 | 961 | 1.63(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:23 | 36:22 | 1 | 1.147 | 394681 | 80148 | 546 | 1365 | 147 | | |
| 339.9178 | 36:23 | 36:22 | 0 | 1.146 | 252066 | 52833 | 396 | 990 | 133 | 1.57(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:42 | 36:42 | 1 | 1.157 | 416048 | 84098 | 546 | 1365 | 154 | | |
| 339.9178 | 36:42 | 36:42 | 1 | 1.157 | 271562 | 57390 | 396 | 990 | 145 | 1.53(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:14 | 37:13 | 1 | 1.173 | 399845 | 82056 | 546 | 1365 | 150 | | |
| 339.9178 | 37:14 | 37:13 | 1 | 1.173 | 252220 | 53815 | 396 | 990 | 136 | 1.59(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:53 | 37:51 | 1 | 1.194 | 404615 | 82151 | 546 | 1365 | 150 | | |
| 339.9178 | 37:53 | 37:51 | 1 | 1.194 | 250277 | 50035 | 396 | 990 | 126 | 1.62(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:22 | 39:20 | 2 | | 519954 | 107755 | 546 | 1365 | 197 | | |
| 339.9178 | 39:22 | 39:20 | 2 | | 306267 | 63689 | 396 | 990 | 161 | 1.70(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:59 | 40:57 | 2 | 1.291 | 411255 | 79877 | 546 | 1365 | 146 | | |
| 339.9178 | 40:58 | 40:57 | 1 | 1.291 | 235535 | 47324 | 396 | 990 | 120 | 1.75(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:52 | | | | | | 90 | 225 | | | |
| 327.8775 | 25:52 | | | | | | 26 | 65 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | 26:14 | 1 | 1.015 | 27584 | 6526 | 90 | 225 | 73 | | |
| 327.8775 | 26:14 | 26:14 | 1 | 1.015 | 17037 | 3795 | 26 | 65 | 146 | 1.62(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:10 | 28:10 | 1 | 1.090 | 106485 | 23618 | 90 | 225 | 262 | | |
| 327.8775 | 28:10 | 28:10 | 1 | 1.090 | 66624 | 15436 | 26 | 65 | 594 | 1.60(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:23 | 28:23 | 1 | 1.098 | 21952 | 4229 | 90 | 225 | 47 | | |
| 327.8775 | 28:24 | 28:23 | 2 | 1.099 | 13403 | 2802 | 26 | 65 | 108 | 1.64(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:49 | 28:49 | 1 | 1.115 | 2149881 | 475648 | 90 | 225 | 5285 | | |
| 327.8775 | 28:49 | 28:49 | 1 | 1.115 | 1349710 | 300171 | 26 | 65 | 11545 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:03 | 29:02 | 1 | 1.124 | 79503 | 15877 | 90 | 225 | 176 | | |
| 327.8775 | 29:03 | 29:02 | 1 | 1.124 | 50073 | 10014 | 26 | 65 | 385 | 1.59(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:03 | 29:02 | 1 | 1.124 | 79503 | 15877 | 90 | 225 | 176 | | |
| 327.8775 | 29:03 | 29:02 | 1 | 1.124 | 50073 | 10014 | 26 | 65 | 385 | 1.59(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:11 | 29:11 | 1 | 1.129 | 140832 | 26352 | 90 | 225 | 293 | | |
| 327.8775 | 29:11 | 29:11 | 1 | 1.129 | 92804 | 16750 | 26 | 65 | 644 | 1.52(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:11 | 29:11 | 1 | 1.129 | 140832 | 26352 | 90 | 225 | 293 | | |
| 327.8775 | 29:11 | 29:11 | 1 | 1.129 | 92804 | 16750 | 26 | 65 | 644 | 1.52(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 1 | 1.148 | 503822 | 108045 | 90 | 225 | 1201 | | |
| 327.8775 | 29:41 | 29:41 | 1 | 1.148 | 311316 | 67855 | 26 | 65 | 2610 | 1.62(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 1 | 1.148 | 503822 | 108045 | 90 | 225 | 1201 | | |
| 327.8775 | 29:41 | 29:41 | 1 | 1.148 | 311316 | 67855 | 26 | 65 | 2610 | 1.62(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:54 | 29:54 | 1 | 1.157 | 556851 | 120617 | 90 | 225 | 1340 | | |
| 327.8775 | 29:54 | 29:54 | 1 | 1.157 | 340098 | 75129 | 26 | 65 | 2890 | 1.64(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:23 | 30:24 | 1 | 1.175 | 24294 | 4610 | 90 | 225 | 51 | | |
| 327.8775 | 30:24 | 30:24 | 2 | 1.176 | 14109 | 2589 | 26 | 65 | 100 | 1.72(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:49 | | | | | | 90 | 225 | | | |
| 327.8775 | 30:49 | | | | | | 26 | 65 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:11 | 31:09 | 1 | 0.857 | 700960 | 150792 | 90 | 225 | 1675 | | |
| 327.8775 | 31:11 | 31:09 | 1 | 0.857 | 443506 | 96863 | 26 | 65 | 3726 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:45 | 2 | 1.229 | 3404331 | 713181 | 90 | 225 | 7924 | | |
| 327.8775 | 31:46 | 31:45 | 2 | 1.229 | 2143882 | 456628 | 26 | 65 | 17563 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:45 | 2 | 1.229 | 3404331 | 713181 | 90 | 225 | 7924 | | |
| 327.8775 | 31:46 | 31:45 | 2 | 1.229 | 2143882 | 456628 | 26 | 65 | 17563 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:45 | 2 | 1.229 | 3404331 | 713181 | 90 | 225 | 7924 | | |
| 327.8775 | 31:46 | 31:45 | 2 | 1.229 | 2143882 | 456628 | 26 | 65 | 17563 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:21 | 32:19 | 1 | 1.251 | 1896559 | 373064 | 90 | 225 | 4145 | | a |
| 327.8775 | 32:21 | 32:19 | 1 | 1.251 | 1199785 | 235006 | 26 | 65 | 9039 | 1.58(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:21 | 32:19 | 1 | 1.251 | 1896559 | 373064 | 90 | 225 | 4145 | | a |
| 327.8775 | 32:21 | 32:19 | 1 | 1.251 | 1199785 | 235006 | 26 | 65 | 9039 | 1.58(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | MUa |
| 325.8804 | 32:28 | | | | | | 90 | 225 | | | |
| 327.8775 | 32:28 | | | | | | 26 | 65 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:50 | 2 | 1.270 | 1630242 | 199727 | 90 | 225 | 2219 | | M |
| 327.8775 | 32:51 | 32:50 | 2 | 1.270 | 1037693 | 128277 | 26 | 65 | 4934 | 1.57(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:50 | 2 | 1.270 | 1630242 | 199727 | 90 | 225 | 2219 | | M |
| 327.8775 | 32:51 | 32:50 | 2 | 1.270 | 1037693 | 128277 | 26 | 65 | 4934 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:50 | 2 | 1.270 | 1630242 | 199727 | 90 | 225 | 2219 | | M |
| 327.8775 | 32:51 | 32:50 | 2 | 1.270 | 1037693 | 128277 | 26 | 65 | 4934 | 1.57(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:50 | 2 | 1.270 | 1630242 | 199727 | 90 | 225 | 2219 | | M |
| 327.8775 | 32:51 | 32:50 | 2 | 1.270 | 1037693 | 128277 | 26 | 65 | 4934 | 1.57(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:50 | 2 | 1.270 | 1630242 | 199727 | 90 | 225 | 2219 | | M |
| 327.8775 | 32:51 | 32:50 | 2 | 1.270 | 1037693 | 128277 | 26 | 65 | 4934 | 1.57(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:50 | 2 | 1.270 | 1630242 | 199727 | 90 | 225 | 2219 | | M |
| 327.8775 | 32:51 | 32:50 | 2 | 1.270 | 1037693 | 128277 | 26 | 65 | 4934 | 1.57(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:33 | 2 | 1.299 | 433257 | 73441 | 90 | 225 | 816 | | |
| 327.8775 | 33:34 | 33:33 | 2 | 1.299 | 270586 | 45667 | 26 | 65 | 1756 | 1.60(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:33 | 2 | 1.299 | 433257 | 73441 | 90 | 225 | 816 | | |
| 327.8775 | 33:34 | 33:33 | 2 | 1.299 | 270586 | 45667 | 26 | 65 | 1756 | 1.60(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:33 | 2 | 1.299 | 433257 | 73441 | 90 | 225 | 816 | | |
| 327.8775 | 33:34 | 33:33 | 2 | 1.299 | 270586 | 45667 | 26 | 65 | 1756 | 1.60(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:44 | 33:43 | -3 | 1.305 | 3722591 | 769245 | 90 | 225 | 8547 | | a |
| 327.8775 | 33:44 | 33:43 | -3 | 1.305 | 2354111 | 483017 | 26 | 65 | 18578 | 1.58(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:44 | 33:43 | -3 | 1.305 | 3722591 | 769245 | 90 | 225 | 8547 | | a |
| 327.8775 | 33:44 | 33:43 | -3 | 1.305 | 2354111 | 483017 | 26 | 65 | 18578 | 1.58(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:02 | 34:02 | 1 | 1.317 | 216061 | 40755 | 90 | 225 | 453 | | |
| 327.8775 | 34:02 | 34:02 | 1 | 1.317 | 129181 | 25689 | 26 | 65 | 988 | 1.67(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | | | | | | 90 | 225 | | | |
| 327.8775 | 34:28 | | | | | | 26 | 65 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:55 | 34:54 | 2 | 1.351 | 71229 | 13666 | 90 | 225 | 152 | | |
| 327.8775 | 34:54 | 34:54 | 1 | 1.350 | 44687 | 8271 | 26 | 65 | 318 | 1.59(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:03 | 1 | 1.394 | 95471 | 18404 | 483 | 1207 | 38 | | |
| 327.8775 | 36:03 | 36:03 | 1 | 1.394 | 61530 | 12293 | 252 | 630 | 49 | 1.55(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:03 | 1 | 1.394 | 95471 | 18404 | 483 | 1207 | 38 | | |
| 327.8775 | 36:03 | 36:03 | 1 | 1.394 | 61530 | 12293 | 252 | 630 | 49 | 1.55(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:18 | 36:17 | 2 | 1.404 | 402279 | 81051 | 483 | 1207 | 168 | | M |
| 327.8775 | 36:17 | 36:17 | 1 | 1.404 | 255613 | 51092 | 252 | 630 | 203 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:23 | 36:24 | 0 | 1.000 | 38640 | 8966 | 483 | 1207 | 19 | | M |
| 327.8775 | 36:24 | 36:24 | 1 | 1.000 | 23458 | 5924 | 252 | 630 | 24 | 1.65(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:30 | | | | | | 483 | 1207 | | | |
| 327.8775 | 36:30 | | | | | | 252 | 630 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:44 | 36:41 | 1 | 1.001 | 3321365 | 659494 | 483 | 1207 | 1365 | | |
| 327.8775 | 36:44 | 36:41 | 1 | 1.001 | 2111009 | 416937 | 252 | 630 | 1655 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:05 | 37:02 | 1 | 1.010 | 39914 | 7423 | 483 | 1207 | 15 | | |
| 327.8775 | 37:04 | 37:02 | 1 | 1.010 | 24400 | 4494 | 252 | 630 | 18 | 1.64(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | Ma |
| 325.8804 | 37:16 | 37:16 | 1 | 1.001 | 46065 | 9273 | 483 | 1207 | 19 | | M |
| 327.8775 | 37:16 | 37:16 | 1 | 1.001 | 31380 | 5780 | 252 | 630 | 23 | 1.47(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:54 | 37:52 | 1 | 1.001 | 862207 | 162097 | 483 | 1207 | 336 | | |
| 327.8775 | 37:54 | 37:52 | 1 | 1.001 | 546251 | 103374 | 252 | 630 | 410 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:23 | | | | | | 483 | 1207 | | | |
| 327.8775 | 39:23 | | | | | | 252 | 630 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 41:01 | 41:01 | 3 | 1.001 | 9908 | 1919 | 483 | 1207 | 4 | | M |
| 327.8775 | 41:00 | 41:01 | 1 | 1.000 | 7145 | 1465 | 252 | 630 | 6 | 1.39(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:31 | 31:30 | 1 | 0.791 | 264187 | 61082 | 49 | 122 | 1247 | | |
| 373.8788 | 31:31 | 31:30 | 1 | 0.791 | 214431 | 43099 | 100 | 250 | 431 | 1.23(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:50 | 39:48 | 1 | | 331284 | 62948 | 220 | 550 | 286 | | |
| 373.8788 | 39:50 | 39:48 | 1 | | 267364 | 49560 | 166 | 415 | 299 | 1.24(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:51 | 42:49 | 2 | 1.076 | 337766 | 65277 | 220 | 550 | 297 | | |
| 373.8788 | 42:51 | 42:49 | 2 | 1.076 | 262593 | 52592 | 166 | 415 | 317 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:00 | 43:57 | 2 | 1.105 | 658333 | 94268 | 220 | 550 | 428 | | |
| 373.8788 | 44:00 | 43:57 | 2 | 1.105 | 520586 | 74203 | 166 | 415 | 447 | 1.26(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:00 | 43:57 | 2 | 1.105 | 658333 | 94268 | 220 | 550 | 428 | | |
| 373.8788 | 44:00 | 43:57 | 2 | 1.105 | 520586 | 74203 | 166 | 415 | 447 | 1.26(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:13 | 47:12 | 1 | 1.186 | 318637 | 63292 | 220 | 550 | 288 | | |
| 373.8788 | 47:14 | 47:12 | 2 | 1.186 | 265950 | 51809 | 166 | 415 | 312 | 1.20(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:33 | | | | | | 28 | 70 | | | |
| 361.8385 | 31:33 | | | | | | 36 | 90 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-152 | | | | | | | | | | | RQ |
| 359.8415 | 31:43 | 31:42 | 0 | 1.006 | 4401 | 830 | 28 | 70 | 30 | | |
| | Empc Correction | | | | 3406 | 706 | 28 | 70 | 25 | | |
| 361.8385 | 31:45 | 31:42 | 2 | 1.007 | 2747 | 570 | 36 | 90 | 16 | 1.60(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:54 | 31:53 | 1 | 1.012 | 29353 | 5892 | 28 | 70 | 210 | | |
| 361.8385 | 31:54 | 31:53 | 1 | 1.012 | 21742 | 4388 | 36 | 90 | 122 | 1.35(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:15 | 32:13 | 1 | 1.023 | 583224 | 122359 | 28 | 70 | 4370 | | |
| 361.8385 | 32:16 | 32:13 | 2 | 1.023 | 460658 | 96147 | 36 | 90 | 2671 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQMa |
| 359.8415 | 32:32 | 32:32 | -1 | 1.032 | 2161 | 424 | 28 | 70 | 15 | | M |
| | Empc Correction | | | | 1294 | 333 | 28 | 70 | 12 | | |
| 361.8385 | 32:34 | 32:32 | 2 | 1.033 | 1044 | 269 | 36 | 90 | 7 | 2.07(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:05 | 34:03 | 1 | 1.081 | 18827 | 3896 | 28 | 70 | 139 | | |
| 361.8385 | 34:06 | 34:03 | 2 | 1.082 | 15030 | 2996 | 36 | 90 | 83 | 1.25(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:37 | 1 | 1.099 | 1090781 | 148832 | 28 | 70 | 5315 | | |
| 361.8385 | 34:39 | 34:37 | 1 | 1.099 | 855872 | 115250 | 36 | 90 | 3201 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:37 | 1 | 1.099 | 1090781 | 148832 | 28 | 70 | 5315 | | |
| 361.8385 | 34:39 | 34:37 | 1 | 1.099 | 855872 | 115250 | 36 | 90 | 3201 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:55 | 34:53 | 1 | 1.108 | 141695 | 28374 | 28 | 70 | 1013 | | |
| 361.8385 | 34:55 | 34:53 | 1 | 1.108 | 111625 | 21801 | 36 | 90 | 606 | 1.27(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:14 | 35:12 | 2 | 1.118 | 112549 | 22821 | 28 | 70 | 815 | | |
| 361.8385 | 35:14 | 35:12 | 1 | 1.118 | 88842 | 18074 | 36 | 90 | 502 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 1 | 1.129 | 3557002 | 740006 | 130 | 325 | 5692 | | |
| 361.8385 | 35:35 | 35:33 | 1 | 1.129 | 2845739 | 593752 | 152 | 380 | 3906 | 1.25(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 1 | 1.129 | 3557002 | 740006 | 130 | 325 | 5692 | | |
| 361.8385 | 35:35 | 35:33 | 1 | 1.129 | 2845739 | 593752 | 152 | 380 | 3906 | 1.25(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:47 | 35:47 | -5 | 1.135 | 172809 | 31836 | 130 | 325 | 245 | | a |
| 361.8385 | 35:47 | 35:47 | -5 | 1.135 | 134661 | 24721 | 152 | 380 | 163 | 1.28(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:47 | 35:47 | -5 | 1.135 | 172809 | 31836 | 130 | 325 | 245 | | a |
| 361.8385 | 35:47 | 35:47 | -5 | 1.135 | 134661 | 24721 | 152 | 380 | 163 | 1.28(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:12 | 36:09 | 1 | 1.148 | 76244 | 14331 | 130 | 325 | 110 | | |
| 361.8385 | 36:12 | 36:09 | 1 | 1.148 | 63683 | 12637 | 152 | 380 | 83 | 1.20(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:12 | 36:09 | 1 | 1.148 | 76244 | 14331 | 130 | 325 | 110 | | |
| 361.8385 | 36:12 | 36:09 | 1 | 1.148 | 63683 | 12637 | 152 | 380 | 83 | 1.20(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:23 | 36:21 | 1 | 1.154 | 31953 | 6136 | 130 | 325 | 47 | | |
| 361.8385 | 36:23 | 36:21 | 0 | 1.154 | 23715 | 4456 | 152 | 380 | 29 | 1.35(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:32 | | | | | | 130 | 325 | | | |
| 361.8385 | 36:32 | | | | | | 152 | 380 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:51 | 36:49 | 1 | 1.169 | 1057627 | 215552 | 130 | 325 | 1658 | | |
| 361.8385 | 36:51 | 36:49 | 1 | 1.169 | 840840 | 169594 | 152 | 380 | 1116 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:21 | 37:19 | 1 | 1.185 | 102656 | 21118 | 130 | 325 | 162 | | |
| 361.8385 | 37:21 | 37:19 | 1 | 1.185 | 80468 | 16753 | 152 | 380 | 110 | 1.28(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:45 | | | | | | 130 | 325 | | | |
| 361.8385 | 37:45 | | | | | | 152 | 380 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:01 | 37:59 | 1 | 0.887 | 1002586 | 204934 | 130 | 325 | 1576 | | |
| 361.8385 | 38:01 | 37:59 | 1 | 0.887 | 800348 | 165197 | 152 | 380 | 1087 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:09 | | | | | | 130 | 325 | | | |
| 361.8385 | 38:09 | | | | | | 152 | 380 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:37 | 38:37 | -1 | 0.901 | 4392084 | 888196 | 130 | 325 | 6832 | | |
| 361.8385 | 38:37 | 38:37 | -1 | 0.901 | 3493354 | 700814 | 152 | 380 | 4611 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:37 | 38:37 | -1 | 0.901 | 4392084 | 888196 | 130 | 325 | 6832 | | |
| 361.8385 | 38:37 | 38:37 | -1 | 0.901 | 3493354 | 700814 | 152 | 380 | 4611 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:49 | 38:47 | 1 | 0.906 | 534121 | 107304 | 130 | 325 | 825 | | |
| 361.8385 | 38:49 | 38:47 | 1 | 0.906 | 421819 | 84736 | 152 | 380 | 557 | 1.27(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:13 | 39:11 | 1 | 0.915 | 233679 | 47055 | 130 | 325 | 362 | | |
| 361.8385 | 39:13 | 39:11 | 1 | 0.915 | 181490 | 35729 | 152 | 380 | 235 | 1.29(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:26 | 39:24 | 1 | 0.920 | 96546 | 21715 | 130 | 325 | 167 | | |
| 361.8385 | 39:26 | 39:24 | 1 | 0.920 | 85974 | 16796 | 152 | 380 | 111 | 1.12(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:33 | 39:31 | 1 | 0.923 | 338749 | 64716 | 130 | 325 | 498 | | |
| 361.8385 | 39:33 | 39:31 | 1 | 0.923 | 258359 | 51416 | 152 | 380 | 338 | 1.31(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:50 | 1 | 0.930 | 3613261 | 687772 | 130 | 325 | 5291 | | |
| 361.8385 | 39:52 | 39:50 | 1 | 0.930 | 2870581 | 547018 | 152 | 380 | 3599 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:50 | 1 | 0.930 | 3613261 | 687772 | 130 | 325 | 5291 | | |
| 361.8385 | 39:52 | 39:50 | 1 | 0.930 | 2870581 | 547018 | 152 | 380 | 3599 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:50 | 1 | 0.930 | 3613261 | 687772 | 130 | 325 | 5291 | | |
| 361.8385 | 39:52 | 39:50 | 1 | 0.930 | 2870581 | 547018 | 152 | 380 | 3599 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:52 | 39:50 | 1 | 0.930 | 3613261 | 687772 | 130 | 325 | 5291 | | |
| 361.8385 | 39:52 | 39:50 | 1 | 0.930 | 2870581 | 547018 | 152 | 380 | 3599 | 1.26(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:15 | 40:13 | 1 | 0.939 | 329891 | 60250 | 130 | 325 | 463 | | |
| 361.8385 | 40:15 | 40:13 | 1 | 0.939 | 261274 | 48315 | 152 | 380 | 318 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:06 | 2 | 0.959 | 448459 | 85866 | 130 | 325 | 661 | | |
| 361.8385 | 41:07 | 41:06 | 2 | 0.959 | 356358 | 67725 | 152 | 380 | 446 | 1.26(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:06 | 2 | 0.959 | 448459 | 85866 | 130 | 325 | 661 | | |
| 361.8385 | 41:07 | 41:06 | 2 | 0.959 | 356358 | 67725 | 152 | 380 | 446 | 1.26(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:05 | 42:04 | 0 | 0.982 | 74603 | 14837 | 130 | 325 | 114 | | |
| 361.8385 | 42:05 | 42:04 | 0 | 0.982 | 59511 | 11567 | 152 | 380 | 76 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:24 | | | | | | 130 | 325 | | | |
| 361.8385 | 42:24 | | | | | | 152 | 380 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:52 | 42:50 | 1 | 1.000 | 126767 | 25389 | 130 | 325 | 195 | | |
| 361.8385 | 42:52 | 42:50 | 1 | 1.000 | 106344 | 21080 | 152 | 380 | 139 | 1.19(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:00 | 43:59 | 1 | 1.000 | 357917 | 61190 | 130 | 325 | 471 | | |
| 361.8385 | 43:59 | 43:59 | 0 | 1.000 | 284056 | 48968 | 152 | 380 | 322 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:00 | 43:59 | 1 | 1.000 | 357917 | 61190 | 130 | 325 | 471 | | |
| 361.8385 | 43:59 | 43:59 | 0 | 1.000 | 284056 | 48968 | 152 | 380 | 322 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:14 | | | | | | 130 | 325 | | | |
| 361.8385 | 47:14 | | | | | | 152 | 380 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:14 | 37:13 | 1 | 0.820 | 279369 | 55501 | 70 | 175 | 793 | | |
| 407.8398 | 37:15 | 37:13 | 1 | 0.821 | 276559 | 57160 | 30 | 75 | 1905 | 1.01(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:18 | 40:15 | 1 | 0.888 | 203085 | 42476 | 70 | 175 | 607 | | |
| 407.8398 | 40:18 | 40:15 | 1 | 0.888 | 188364 | 38579 | 30 | 75 | 1286 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:23 | 45:22 | 1 | | 253452 | 53455 | 70 | 175 | 764 | | |
| 407.8398 | 45:23 | 45:22 | 1 | | 242036 | 46043 | 30 | 75 | 1535 | 1.05(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:39 | 46:36 | 2 | 1.028 | 168389 | 31647 | 70 | 175 | 452 | | |
| 407.8398 | 46:39 | 46:36 | 2 | 1.028 | 147947 | 28403 | 30 | 75 | 947 | 1.14(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:46 | 49:43 | 2 | 1.096 | 363687 | 73681 | 1199 | 2997 | 61 | | |
| 407.8398 | 49:46 | 49:43 | 2 | 1.096 | 354853 | 70562 | 771 | 1927 | 92 | 1.02(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:15 | | | | | | 27 | 67 | | | |
| 395.7995 | 37:15 | | | | | | 20 | 50 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:36 | 37:34 | 1 | 1.010 | 651504 | 131402 | 27 | 67 | 4867 | | |
| 395.7995 | 37:36 | 37:34 | 1 | 1.009 | 598926 | 117451 | 20 | 50 | 5873 | 1.09(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:08 | | | | | | 27 | 67 | | | |
| 395.7995 | 38:08 | | | | | | 20 | 50 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:29 | 38:26 | 1 | 1.033 | 173373 | 36143 | 27 | 67 | 1339 | | |
| 395.7995 | 38:29 | 38:26 | 1 | 1.033 | 167264 | 35039 | 20 | 50 | 1752 | 1.04(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:56 | | | | | | 27 | 67 | | | |
| 395.7995 | 38:56 | | | | | | 20 | 50 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:20 | 40:17 | 1 | 1.083 | 212806 | 42862 | 27 | 67 | 1587 | | |
| 395.7995 | 40:20 | 40:17 | 1 | 1.083 | 207889 | 42195 | 20 | 50 | 2110 | 1.02(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:57 | 40:54 | 1 | 1.100 | 42063 | 8123 | 27 | 67 | 301 | | |
| 395.7995 | 40:57 | 40:54 | 1 | 1.100 | 39186 | 7784 | 20 | 50 | 389 | 1.07(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:14 | 41:11 | 1 | 1.107 | 1342317 | 266608 | 27 | 67 | 9874 | | |
| 395.7995 | 41:14 | 41:11 | 1 | 1.107 | 1284390 | 262734 | 20 | 50 | 13137 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | RQ |
| 393.8025 | 41:26 | 41:23 | 1 | 1.112 | 11511 | 2349 | 27 | 67 | 87 | | |
| 395.7995 | 41:26 | 41:23 | 1 | 1.112 | 14926 | 2283 | 20 | 50 | 114 | 0.77(0.89-1.21) | |
| | Empc Correction | | | | 10962 | 2237 | 20 | 50 | 112 | | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:51 | 41:47 | 2 | 1.124 | 678041 | 117402 | 27 | 67 | 4348 | | |
| 395.7995 | 41:51 | 41:47 | 2 | 1.124 | 652173 | 112145 | 20 | 50 | 5607 | 1.04(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:51 | 41:47 | 2 | 1.124 | 678041 | 117402 | 27 | 67 | 4348 | | |
| 395.7995 | 41:51 | 41:47 | 2 | 1.124 | 652173 | 112145 | 20 | 50 | 5607 | 1.04(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:05 | 42:02 | 2 | 1.130 | 955537 | 187692 | 27 | 67 | 6952 | | |
| 395.7995 | 42:04 | 42:02 | 1 | 1.130 | 906758 | 173963 | 20 | 50 | 8698 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:31 | 42:27 | 2 | 1.142 | 557783 | 111895 | 27 | 67 | 4144 | | |
| 395.7995 | 42:31 | 42:27 | 2 | 1.142 | 528629 | 103656 | 20 | 50 | 5183 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:54 | | | | | | 27 | 67 | | | |
| 395.7995 | 42:54 | | | | | | 20 | 50 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:08 | 43:04 | 2 | 1.158 | 254137 | 48099 | 27 | 67 | 1781 | | |
| 395.7995 | 43:08 | 43:04 | 2 | 1.158 | 235890 | 45124 | 20 | 50 | 2256 | 1.08(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:08 | 43:04 | 2 | 1.158 | 254137 | 48099 | 27 | 67 | 1781 | | |
| 395.7995 | 43:08 | 43:04 | 2 | 1.158 | 235890 | 45124 | 20 | 50 | 2256 | 1.08(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:46 | 44:44 | 2 | 0.900 | 146507 | 28080 | 27 | 67 | 1040 | | |
| 395.7995 | 44:46 | 44:44 | 1 | 0.899 | 136200 | 26257 | 20 | 50 | 1313 | 1.08(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:03 | | | | | | 27 | 67 | | | |
| 395.7995 | 45:03 | | | | | | 20 | 50 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:20 | 4 | 0.913 | 2201206 | 413727 | 27 | 67 | 15323 | | |
| 395.7995 | 45:25 | 45:20 | 4 | 0.913 | 2096386 | 395279 | 20 | 50 | 19764 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:20 | 4 | 0.913 | 2201206 | 413727 | 27 | 67 | 15323 | | |
| 395.7995 | 45:25 | 45:20 | 4 | 0.913 | 2096386 | 395279 | 20 | 50 | 19764 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:46 | 45:44 | 2 | 0.920 | 44805 | 8238 | 27 | 67 | 305 | | |
| 395.7995 | 45:46 | 45:44 | 2 | 0.920 | 40094 | 7578 | 20 | 50 | 379 | 1.12(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:40 | 46:38 | 2 | 0.938 | 723781 | 140651 | 27 | 67 | 5209 | | |
| 395.7995 | 46:40 | 46:38 | 2 | 0.938 | 683483 | 132850 | 20 | 50 | 6643 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:12 | 47:09 | 2 | 0.948 | 205103 | 40306 | 27 | 67 | 1493 | | |
| 395.7995 | 47:12 | 47:09 | 2 | 0.948 | 191099 | 36761 | 20 | 50 | 1838 | 1.07(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:47 | 49:45 | 2 | 1.001 | 52383 | 10247 | 349 | 872 | 29 | | |
| 395.7995 | 49:47 | 49:45 | 1 | 1.000 | 50922 | 9762 | 65 | 162 | 150 | 1.03(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:37 | 42:35 | 1 | 0.821 | 213329 | 41268 | 150 | 375 | 275 | | |
| 441.8008 | 42:37 | 42:35 | 1 | 0.821 | 231168 | 45526 | 39 | 97 | 1167 | 0.92(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:53 | 51:51 | 2 | | 281955 | 55570 | 484 | 1210 | 115 | | |
| 441.8008 | 51:53 | 51:51 | 2 | | 303246 | 54045 | 287 | 717 | 188 | 0.93(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:21 | 52:19 | 1 | 1.009 | 277344 | 57285 | 484 | 1210 | 118 | | |
| 441.8008 | 52:21 | 52:19 | 1 | 1.009 | 275684 | 53661 | 287 | 717 | 187 | 1.01(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:39 | 42:36 | 2 | 1.001 | 112263 | 21642 | 40 | 100 | 541 | | |
| 429.7606 | 42:39 | 42:36 | 2 | 1.001 | 120302 | 23495 | 38 | 95 | 618 | 0.93(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:34 | 43:31 | 2 | 1.022 | 77731 | 15329 | 40 | 100 | 383 | | |
| 429.7606 | 43:33 | 43:31 | 1 | 1.022 | 87073 | 18374 | 38 | 95 | 484 | 0.89(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:14 | | | | | | 40 | 100 | | | |
| 429.7606 | 44:14 | | | | | | 38 | 95 | | | |
| PCB-197 | | | | | | | | | | | RQ |
| 427.7635 | 44:28 | 44:25 | 2 | 1.044 | 20381 | 4476 | 40 | 100 | 112 | | |
| | Empc Correction | | | | 17077 | 4731 | 40 | 100 | 118 | | |
| 429.7606 | 44:28 | 44:25 | 2 | 1.044 | 19188 | 5316 | 38 | 95 | 140 | 1.06(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:34 | 44:32 | 1 | 1.046 | 73016 | 13736 | 40 | 100 | 343 | | |
| 429.7606 | 44:34 | 44:32 | 1 | 1.046 | 85520 | 16498 | 38 | 95 | 434 | 0.85(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:19 | 3 | 1.112 | 428917 | 80104 | 40 | 100 | 2003 | | |
| 429.7606 | 47:23 | 47:19 | 3 | 1.112 | 473129 | 87810 | 38 | 95 | 2311 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:19 | 3 | 1.112 | 428917 | 80104 | 40 | 100 | 2003 | | |
| 429.7606 | 47:23 | 47:19 | 3 | 1.112 | 473129 | 87810 | 38 | 95 | 2311 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:02 | 48:00 | 1 | 0.918 | 198338 | 39050 | 40 | 100 | 976 | | |
| 429.7606 | 48:02 | 48:00 | 1 | 0.918 | 219245 | 42571 | 38 | 95 | 1120 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:14 | 48:12 | 1 | 0.921 | 264186 | 51083 | 40 | 100 | 1277 | | |
| 429.7606 | 48:14 | 48:12 | 1 | 0.921 | 295267 | 58053 | 38 | 95 | 1528 | 0.89(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:33 | 49:31 | 1 | 0.946 | 181277 | 35182 | 119 | 297 | 296 | | |
| 429.7606 | 49:33 | 49:31 | 1 | 0.946 | 200188 | 38481 | 389 | 972 | 99 | 0.91(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:54 | 51:52 | 2 | 0.991 | 509964 | 97430 | 119 | 297 | 819 | | |
| 429.7606 | 51:54 | 51:52 | 2 | 0.991 | 562206 | 109635 | 389 | 972 | 282 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:22 | 52:20 | 2 | 1.000 | 31216 | 5760 | 119 | 297 | 48 | | |
| 429.7606 | 52:22 | 52:20 | 2 | 1.000 | 34944 | 6448 | 389 | 972 | 17 | 0.89(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:18 | 49:16 | 1 | 0.950 | 240834 | 46183 | 348 | 870 | 133 | | |
| 475.7619 | 49:18 | 49:16 | 1 | 0.950 | 299931 | 58317 | 639 | 1597 | 91 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:07 | 54:04 | 2 | 1.043 | 157256 | 30345 | 348 | 870 | 87 | | |
| 475.7619 | 54:07 | 54:04 | 2 | 1.043 | 205745 | 40171 | 639 | 1597 | 63 | 0.76(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:19 | 49:17 | 1 | 1.001 | 60815 | 12104 | 112 | 280 | 108 | | |
| 463.7216 | 49:19 | 49:17 | 1 | 1.001 | 77556 | 15678 | 193 | 482 | 81 | 0.78(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:15 | 50:13 | 1 | 1.019 | 29647 | 5825 | 112 | 280 | 52 | | |
| 463.7216 | 50:16 | 50:13 | 2 | 1.020 | 38611 | 7742 | 193 | 482 | 40 | 0.77(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:05 | 54:04 | -1 | 0.999 | 335359 | 73109 | 112 | 280 | 653 | | M |
| | Empc Correction | | | | 220106 | 38713 | 112 | 280 | 346 | | |
| 463.7216 | 54:08 | 54:04 | 2 | 1.000 | 285853 | 50277 | 193 | 482 | 261 | 1.17(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:46 | 55:43 | 2 | 1.075 | 181949 | 33779 | 87 | 217 | 388 | | |
| 509.7229 | 55:45 | 55:43 | 1 | 1.075 | 252424 | 45993 | 120 | 300 | 383 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:47 | 55:45 | 2 | 1.000 | 191923 | 35426 | 30 | 75 | 1181 | | |
| 497.6826 | 55:46 | 55:45 | 1 | 1.000 | 268595 | 47511 | 26 | 65 | 1827 | 0.71(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

U - Marked Undetected

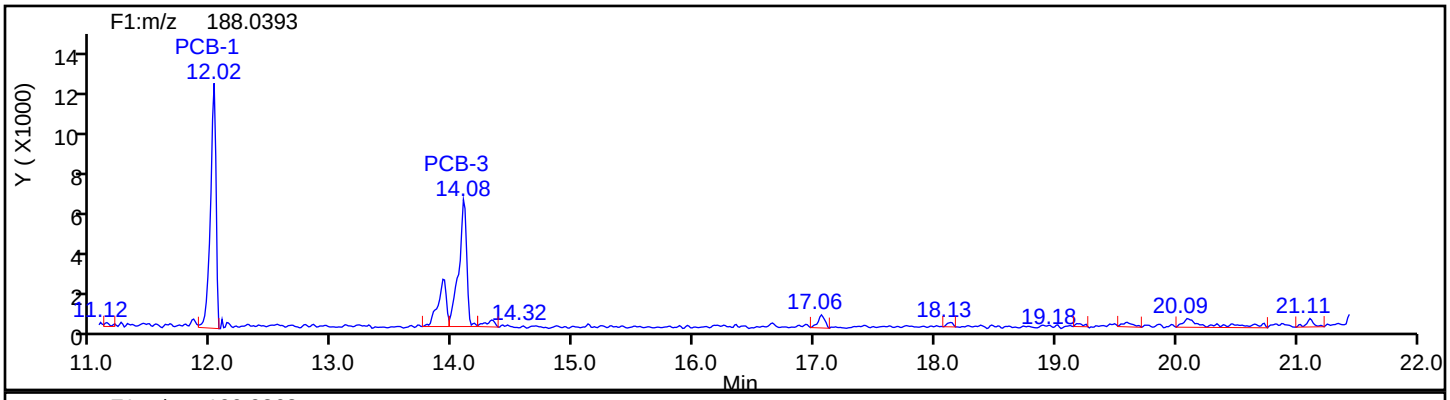
a - User Assigned ID

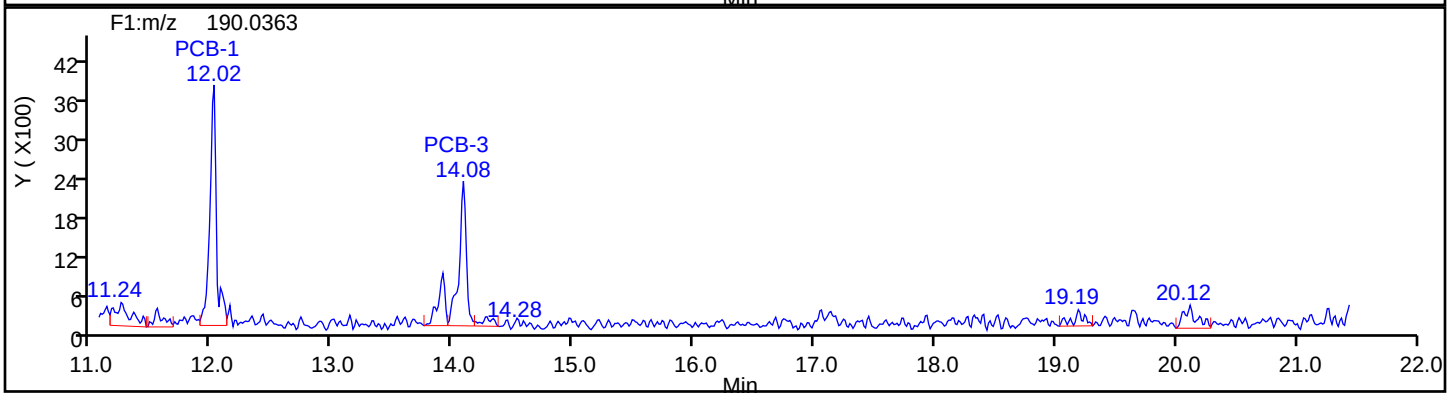
Report Date: 04-Oct-2019 00:05:04 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

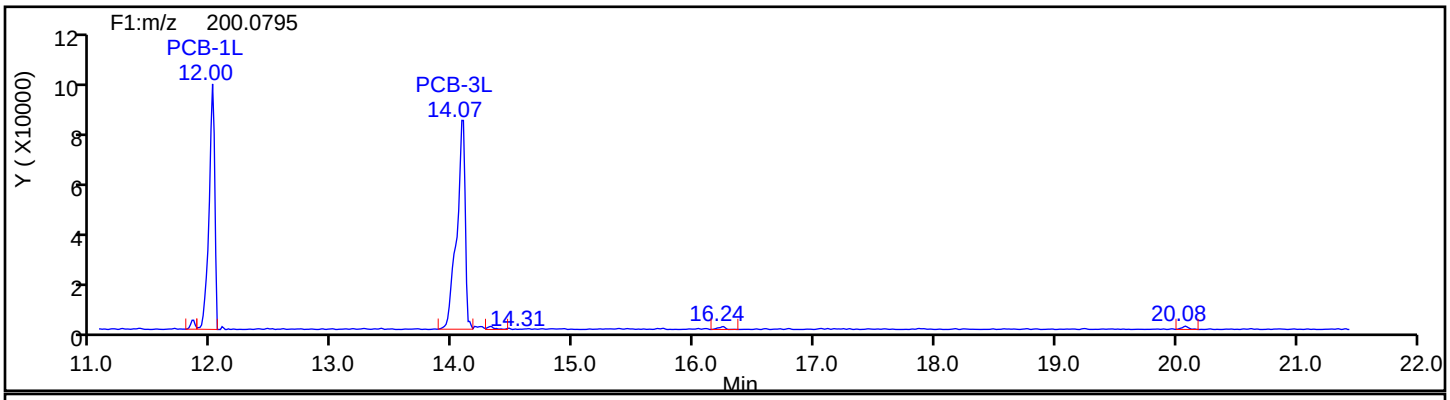
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

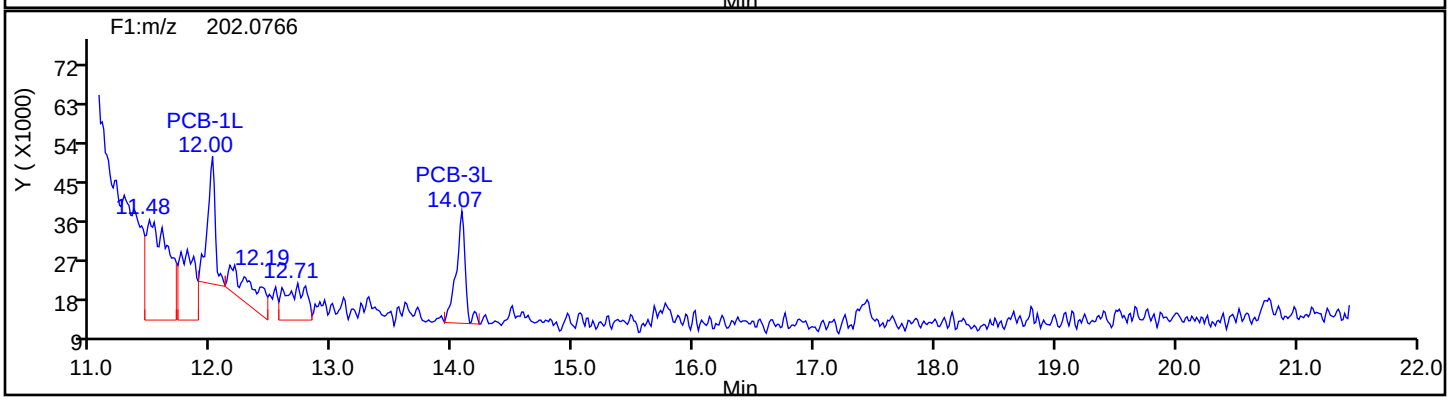
MoPCB F1




MoPCB F1 Standards

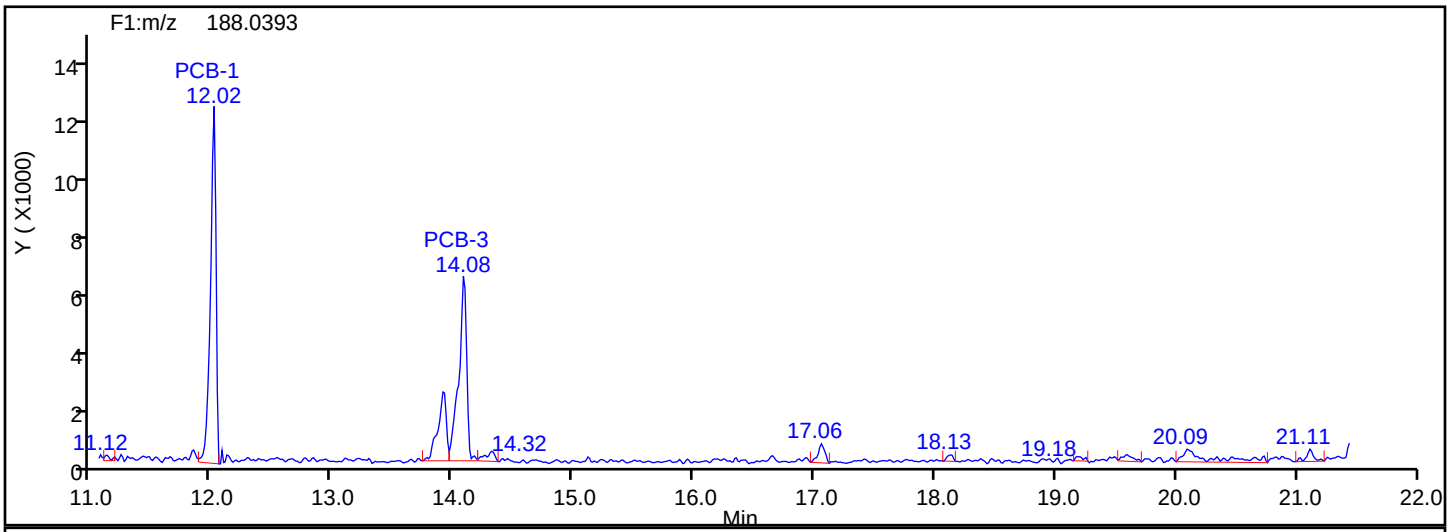


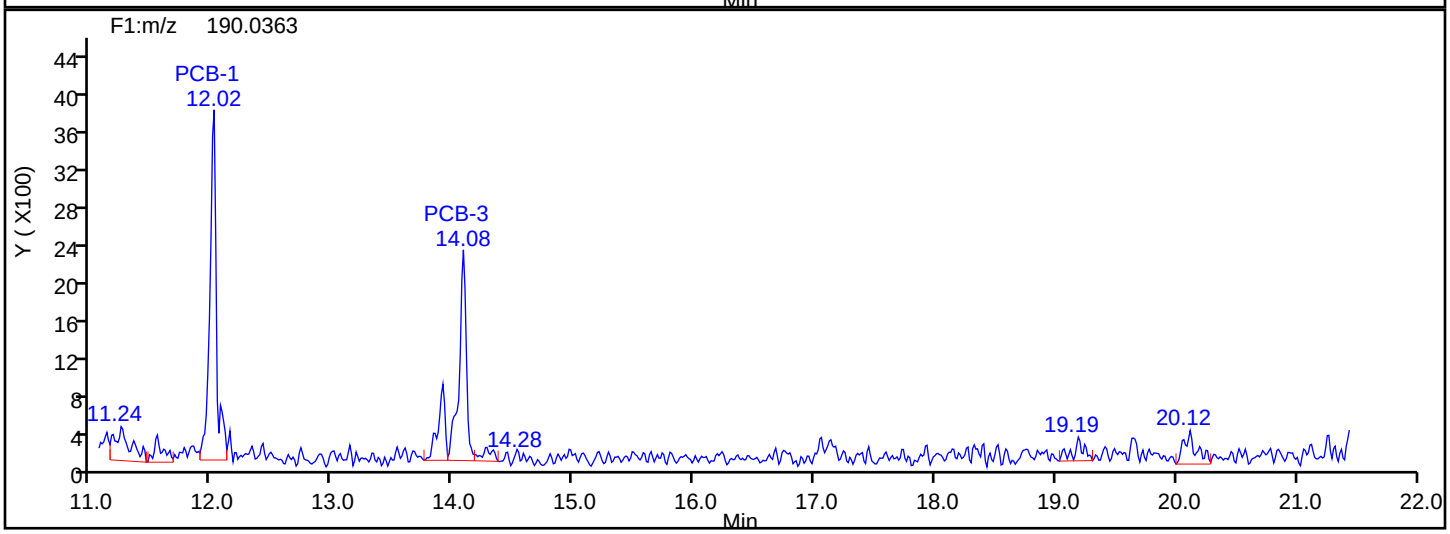



Eurofins TestAmerica, Knoxville

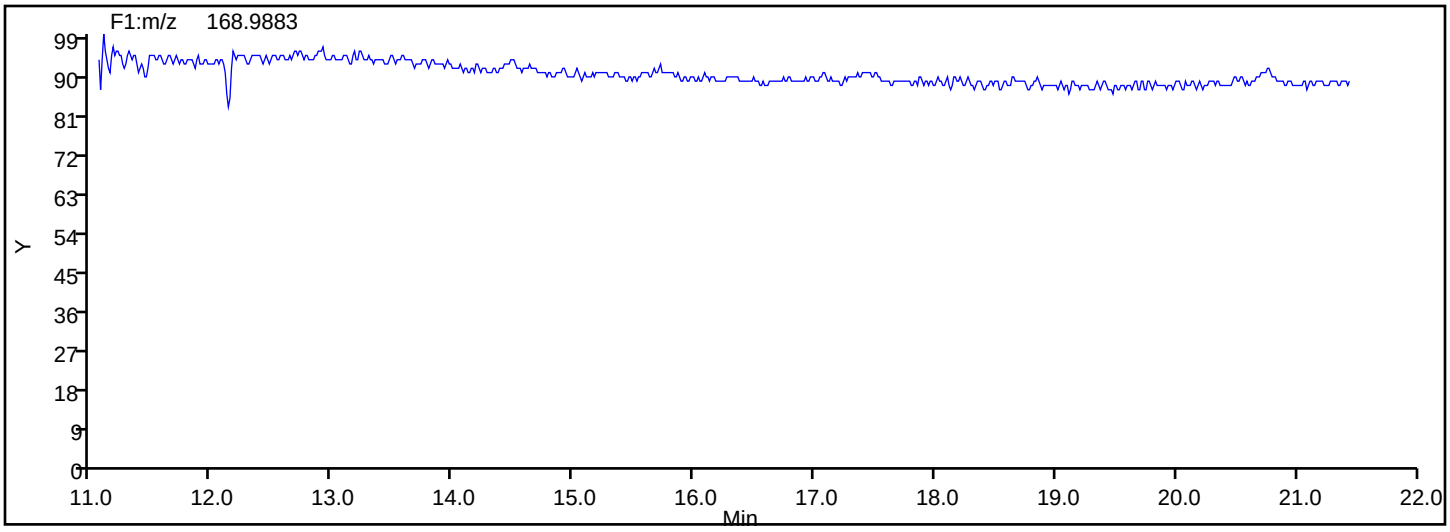
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

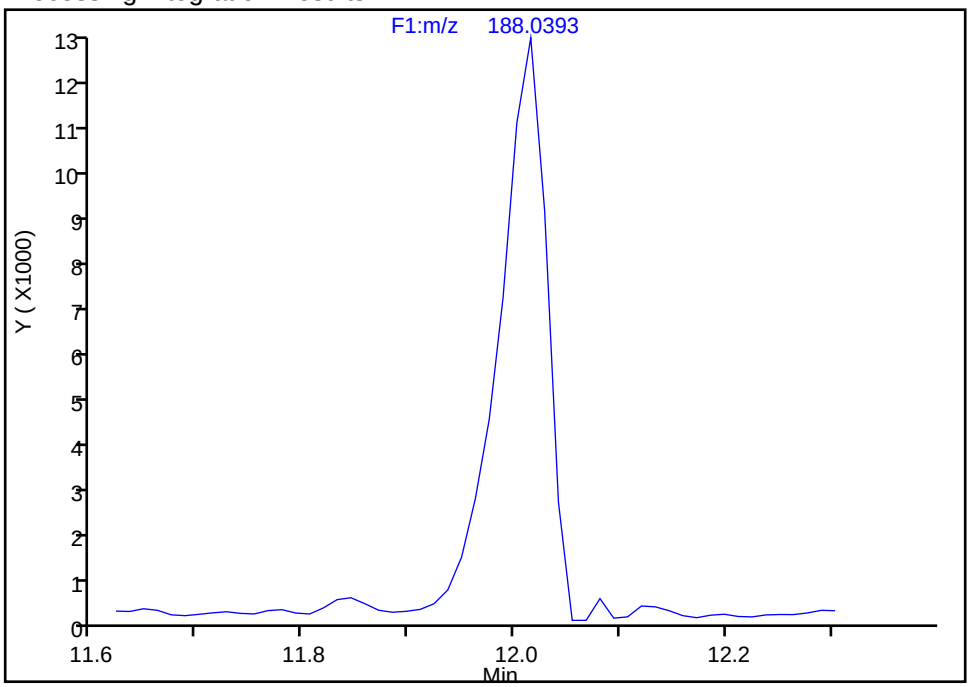
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

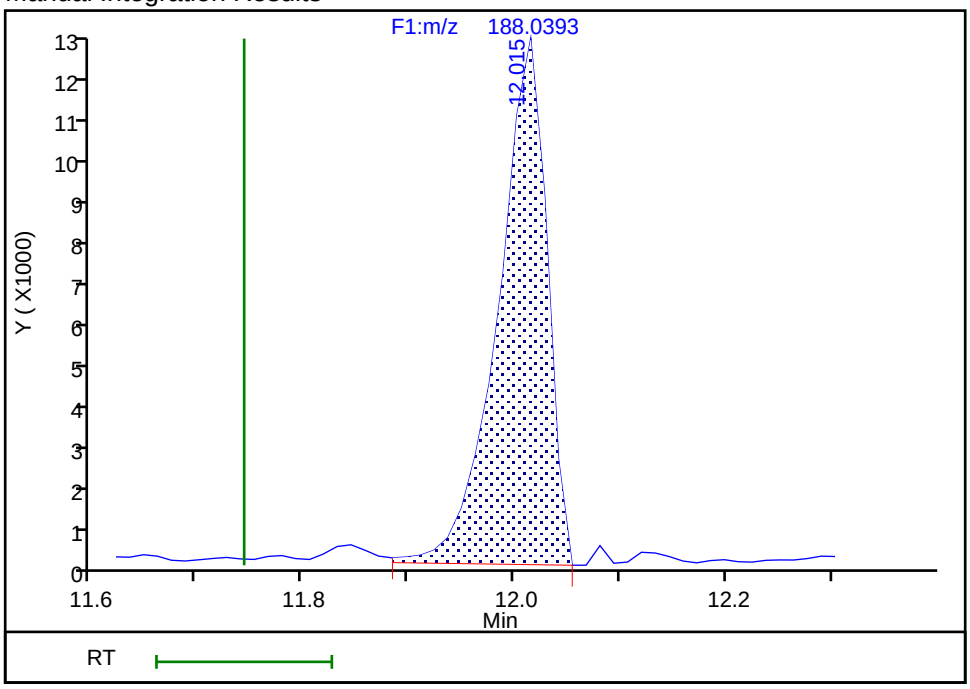
Not Detected
Expected RT: 11.74

Processing Integration Results




Manual Integration Results

RT: 12.02
Area: 39688
Amount: 2.055519
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:36:29
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

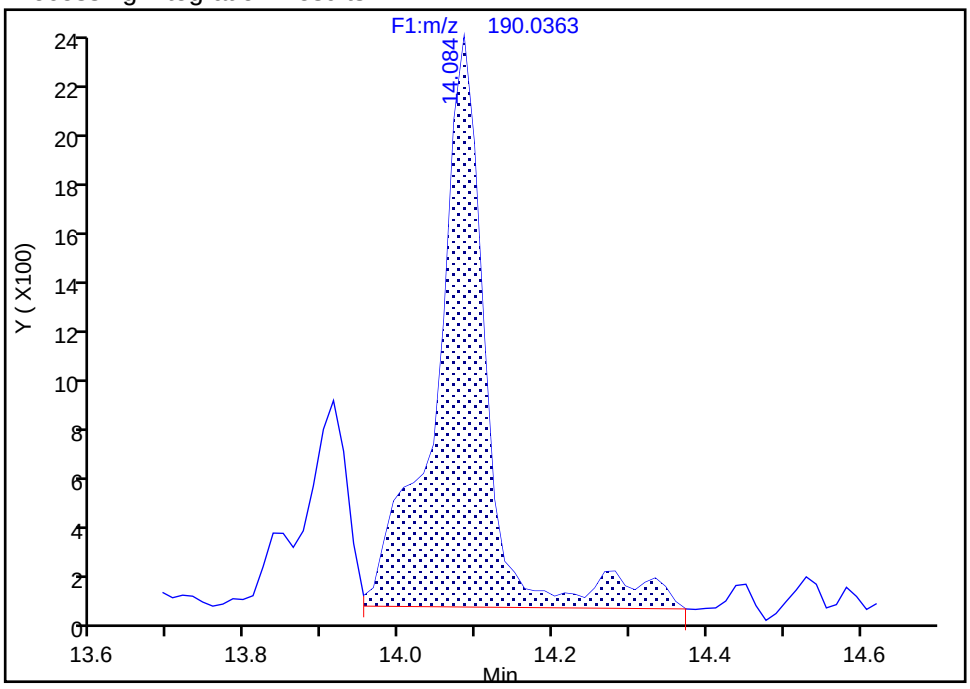
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3, CAS: 2051-62-9

Signal: 2

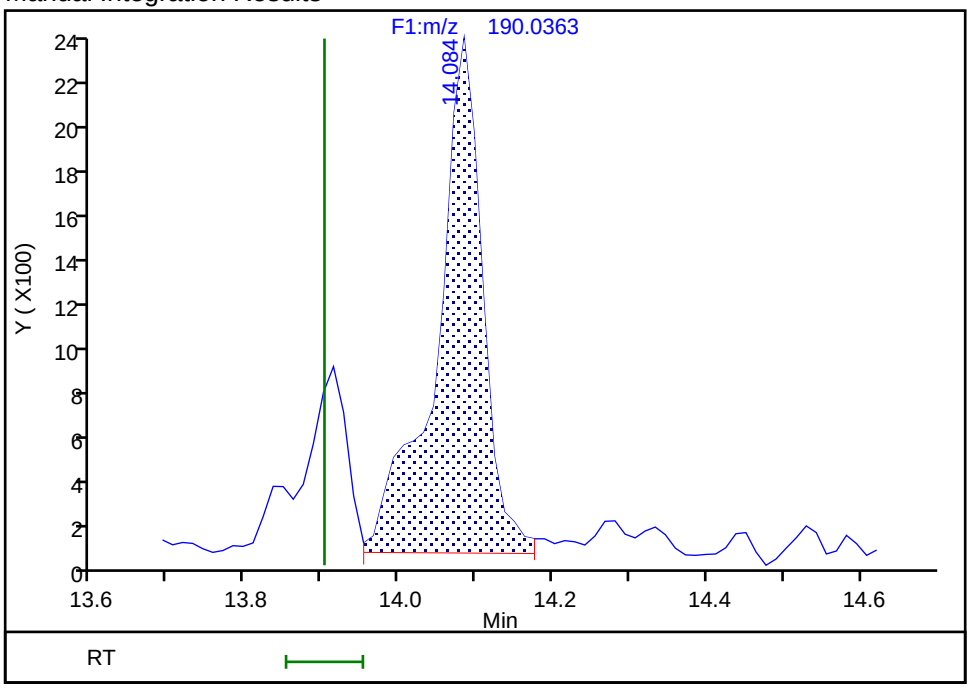
Processing Integration Results

RT: 14.08
Area: 10245
Amount: 1.233938
Amount Units: pg/ul




Manual Integration Results

RT: 14.08
Area: 9329
Amount: 1.205385
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:36:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

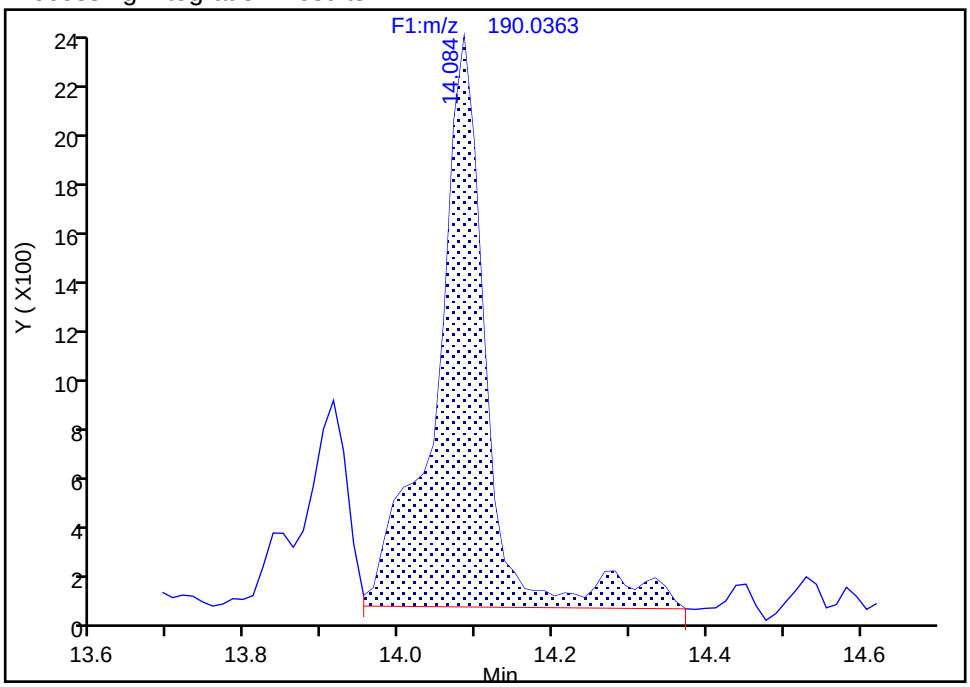
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3, CAS: 2051-62-9

Signal: 3

Processing Integration Results

RT: 14.08
Area: 39585
Amount: 1.233938
Amount Units: pg/ul




Manual Integration Results

RT: 14.08
Area: 38669
Amount: 1.205385
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:36:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

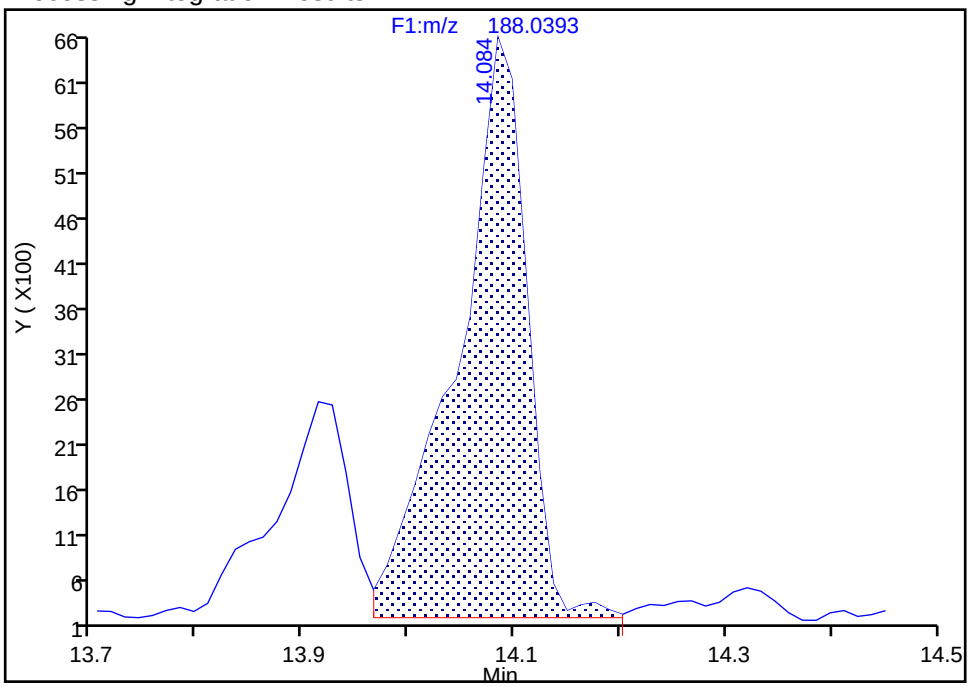
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3, CAS: 2051-62-9

Signal: 1

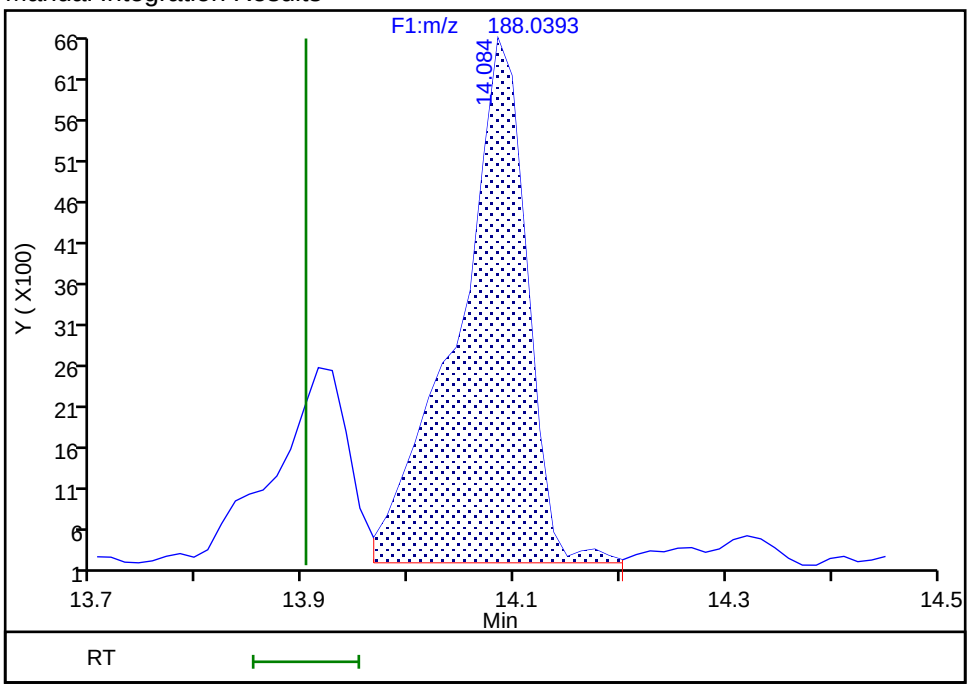
Processing Integration Results

RT: 14.08
Area: 29340
Amount: 1.233938
Amount Units: pg/ul




Manual Integration Results

RT: 14.08
Area: 29340
Amount: 1.205385
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:36:43

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

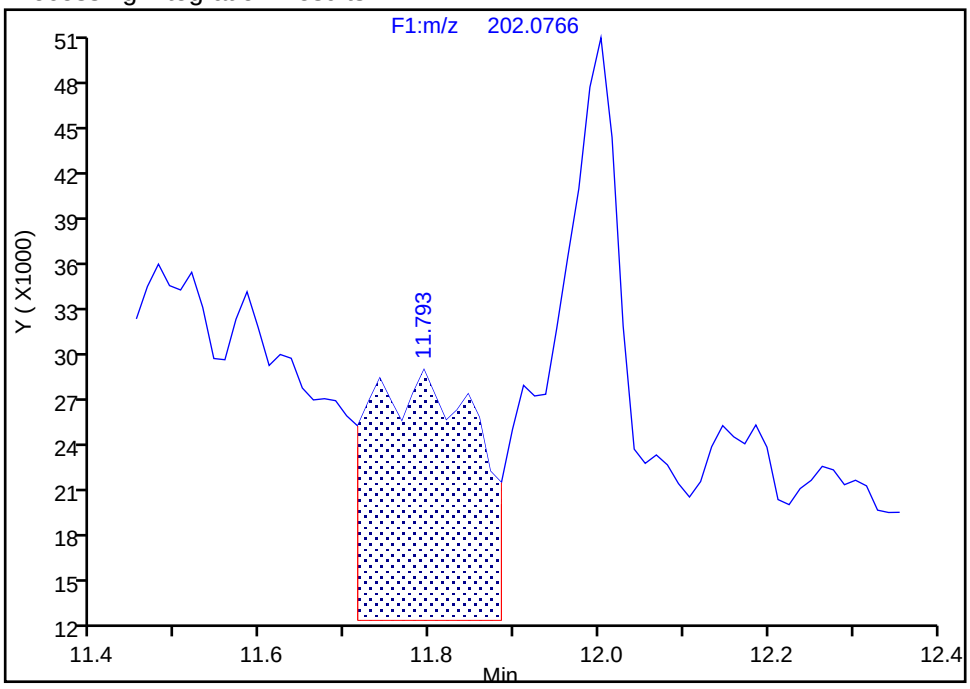
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

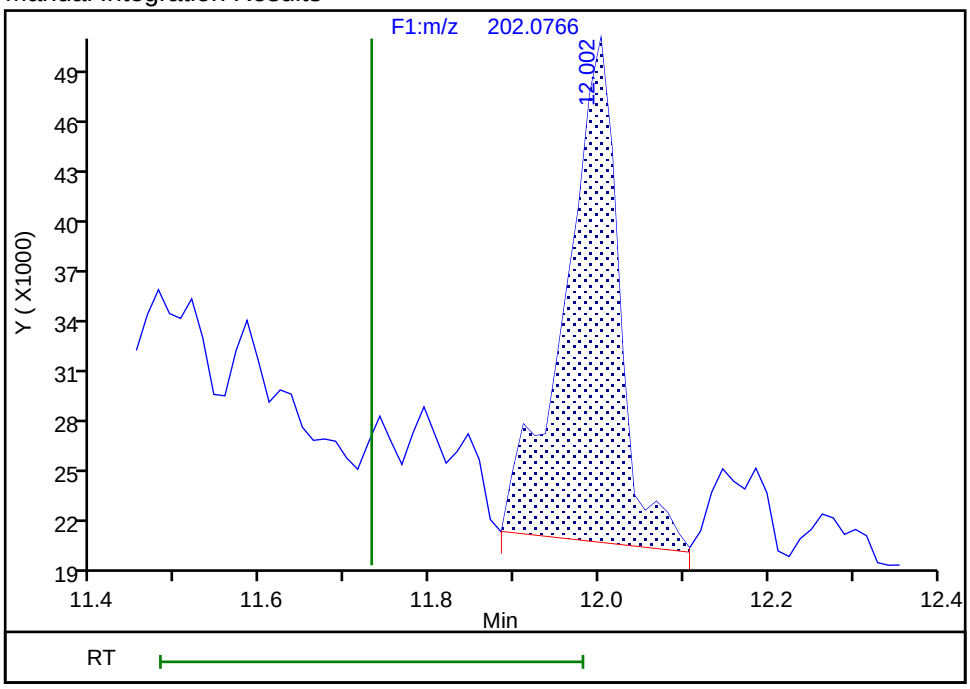
Processing Integration Results

RT: 11.79
Area: 139204
Amount: 3.232379
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 131328
Amount: 9.660255
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:35:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

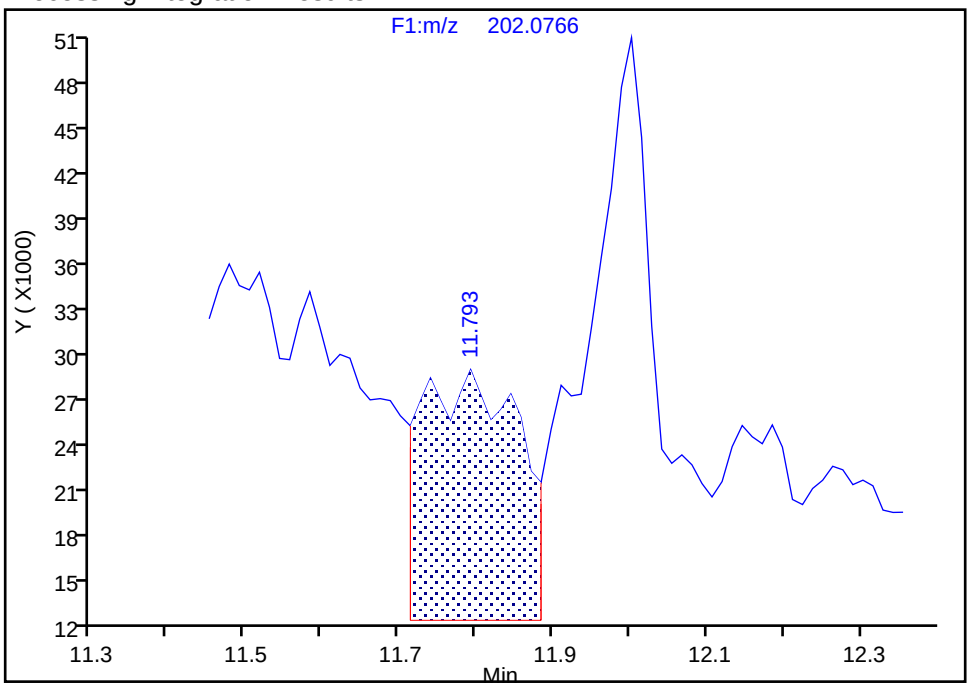
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 3

Processing Integration Results

RT: 11.85
Area: 148025
Amount: 3.232379
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 442386
Amount: 9.660255
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:35:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

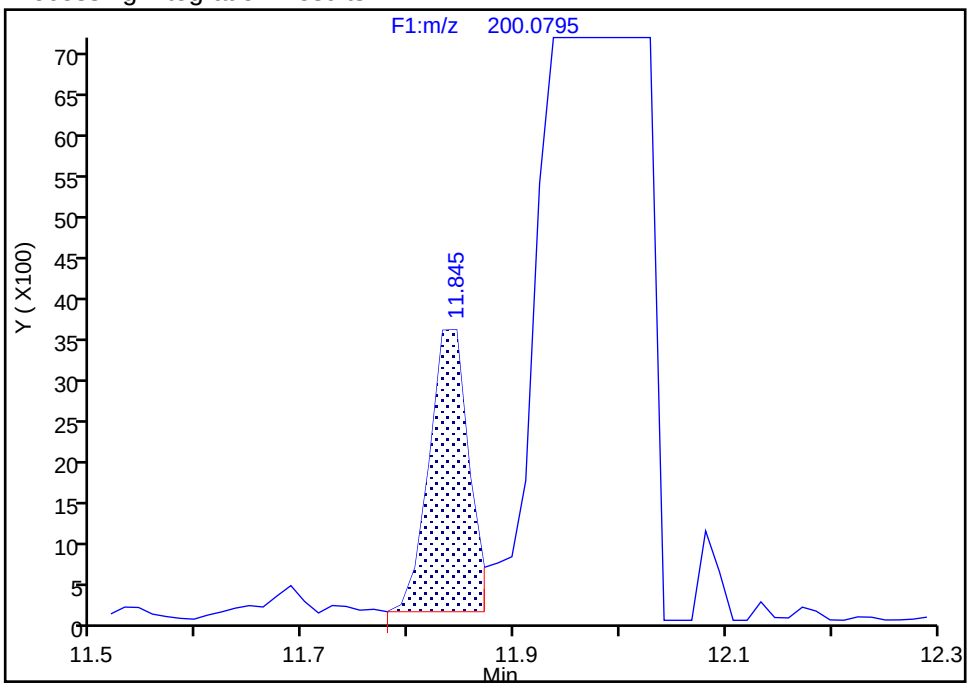
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

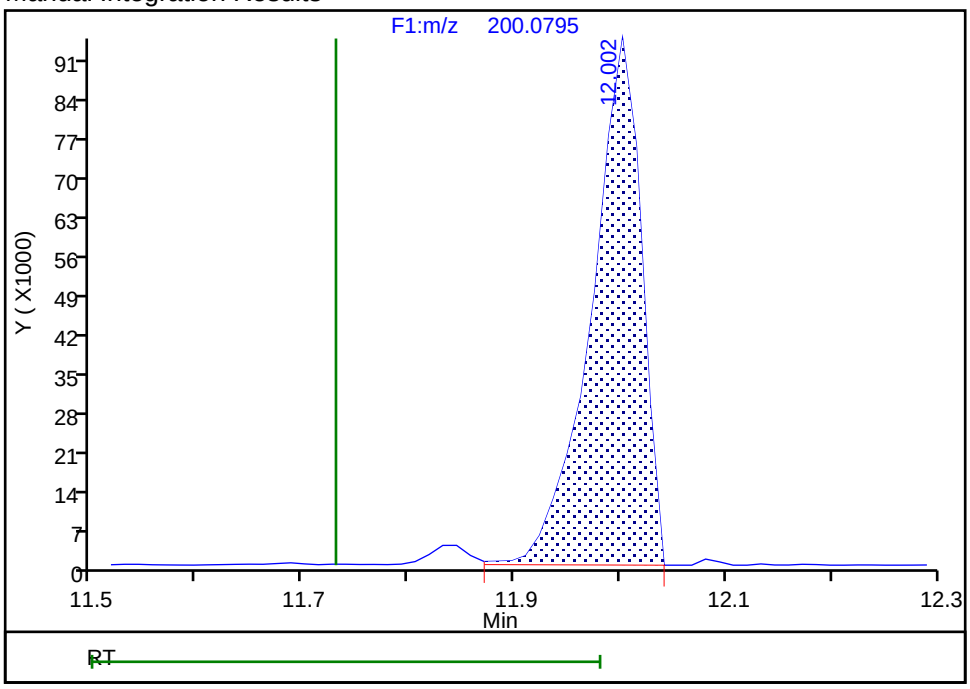
Processing Integration Results

RT: 11.85
Area: 8821
Amount: 3.232379
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 311058
Amount: 9.660255
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:35:46

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

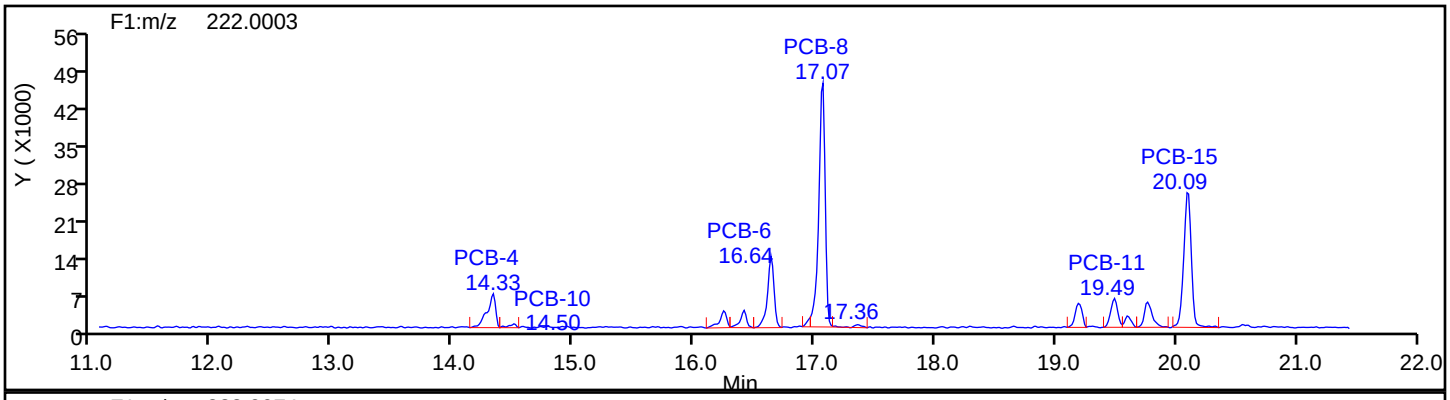
Report Date: 04-Oct-2019 00:05:04 Chrom Revision: 2.3 17-Sep-2019 16:19:08

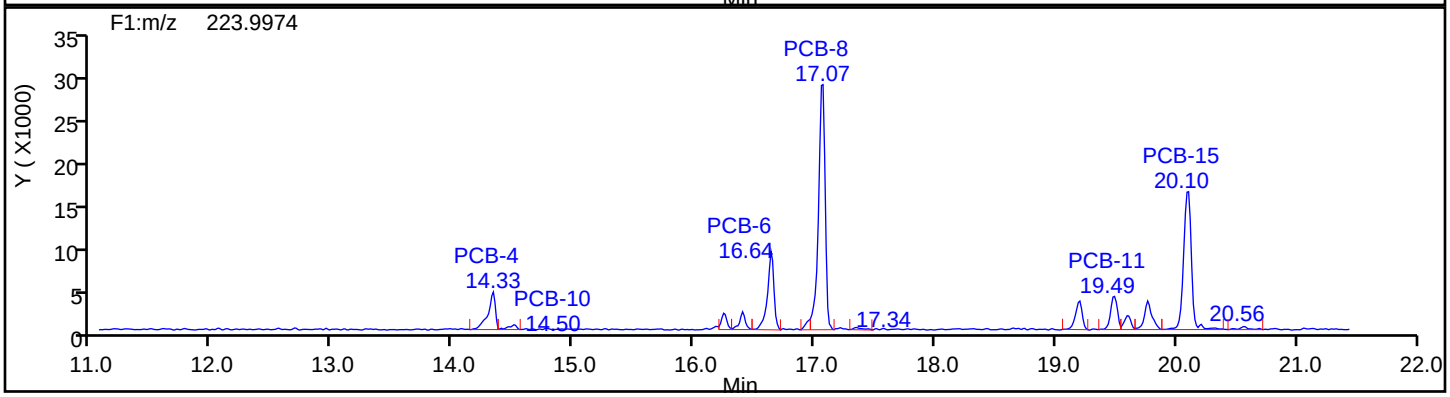
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d

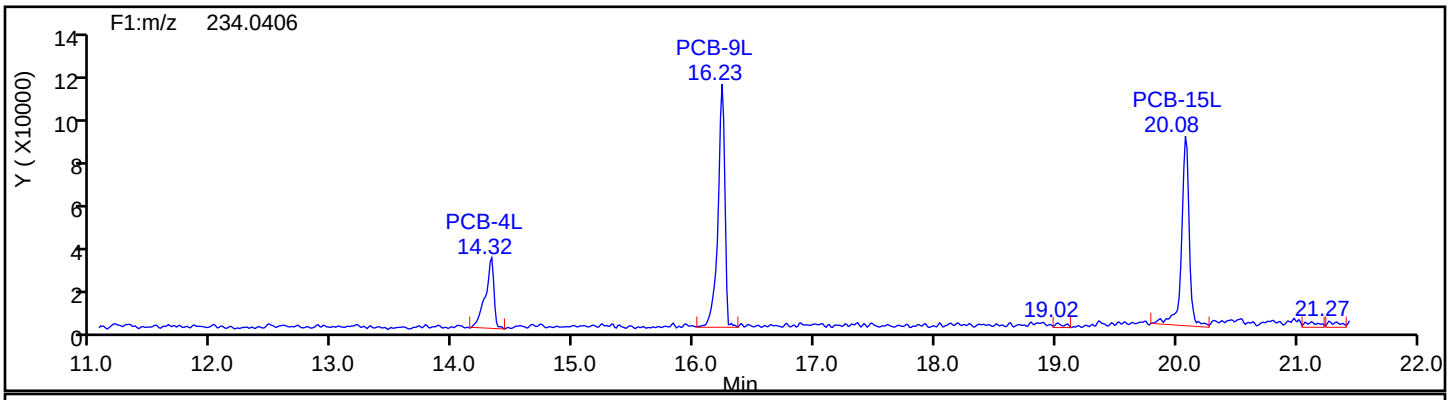
| | | | |
|---|---|---|---|
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

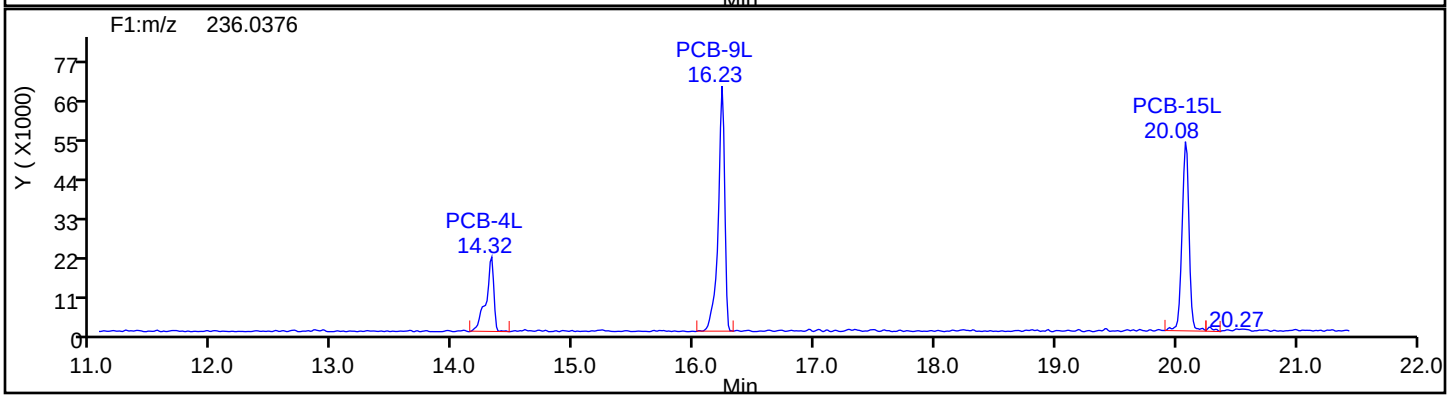
DiPCB F1




DiPCB F1 Standards

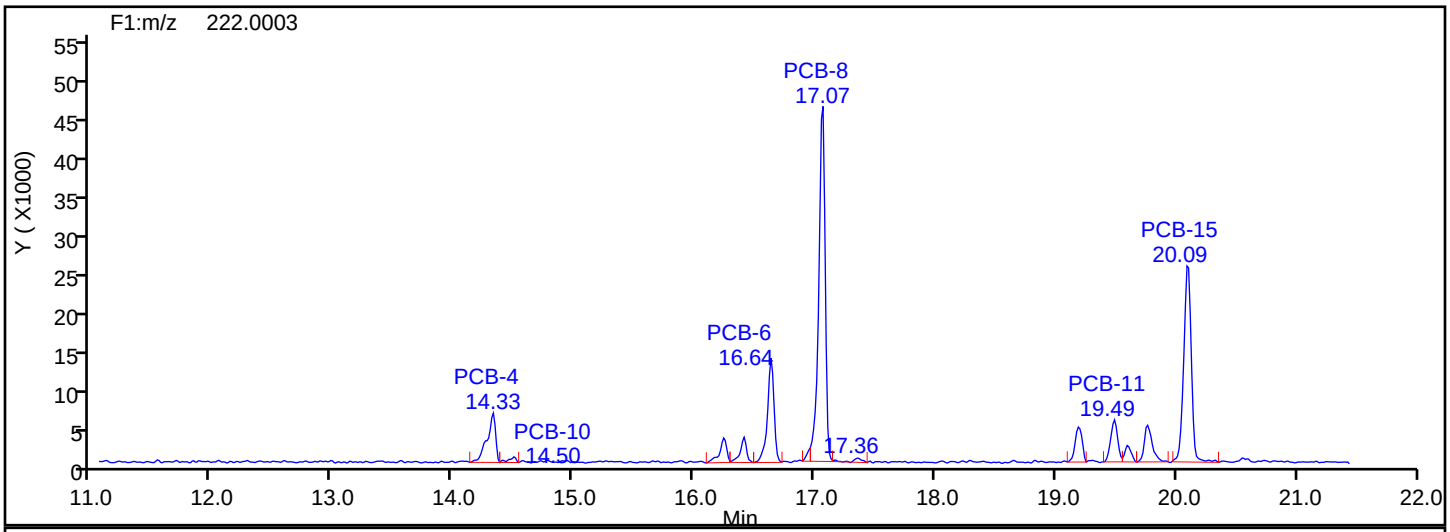


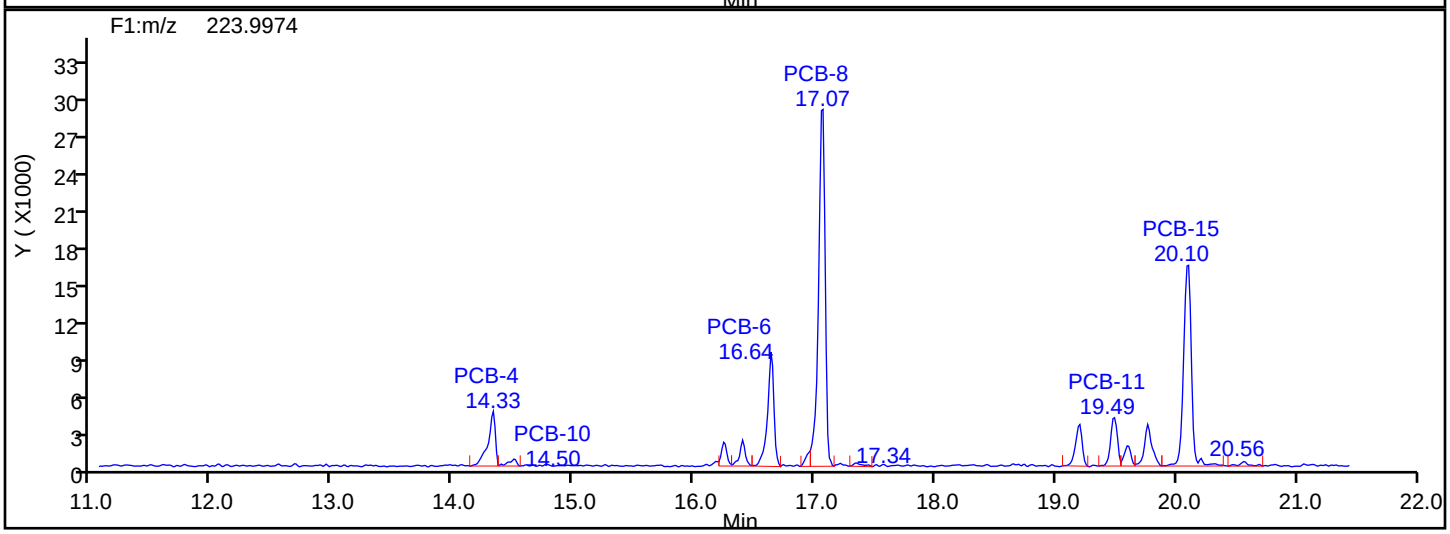



Eurofins TestAmerica, Knoxville

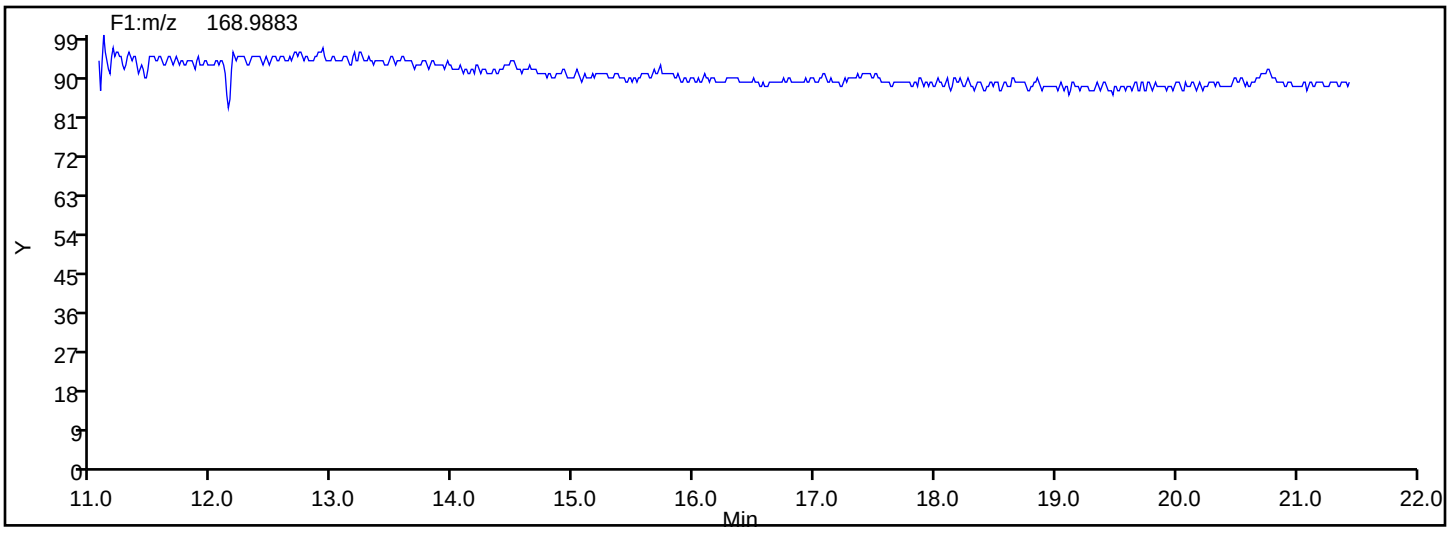
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

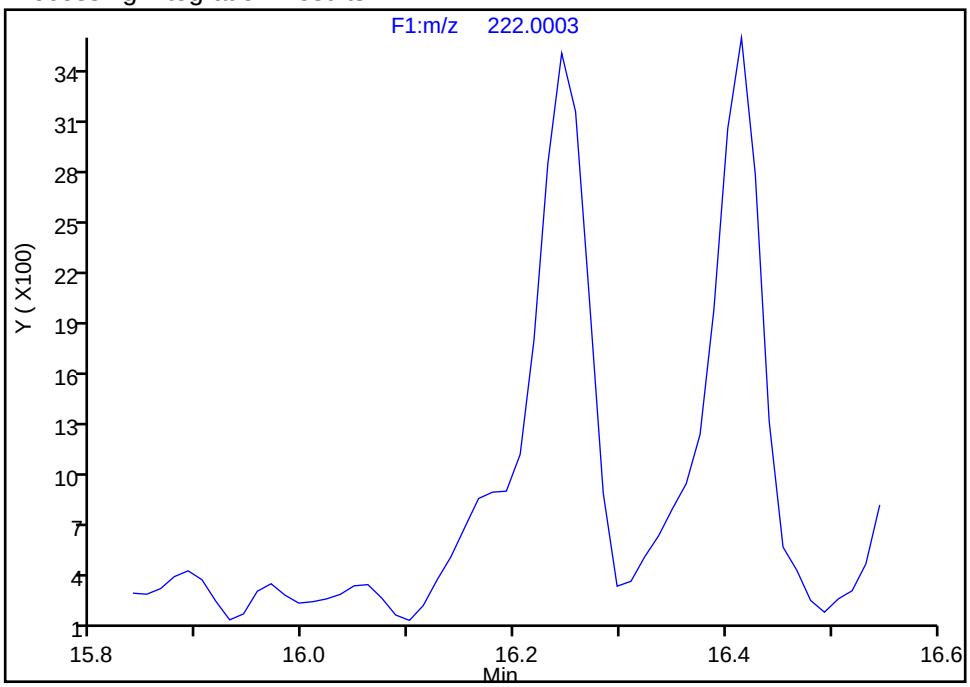
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-9, CAS: 34883-39-1

Signal: 1

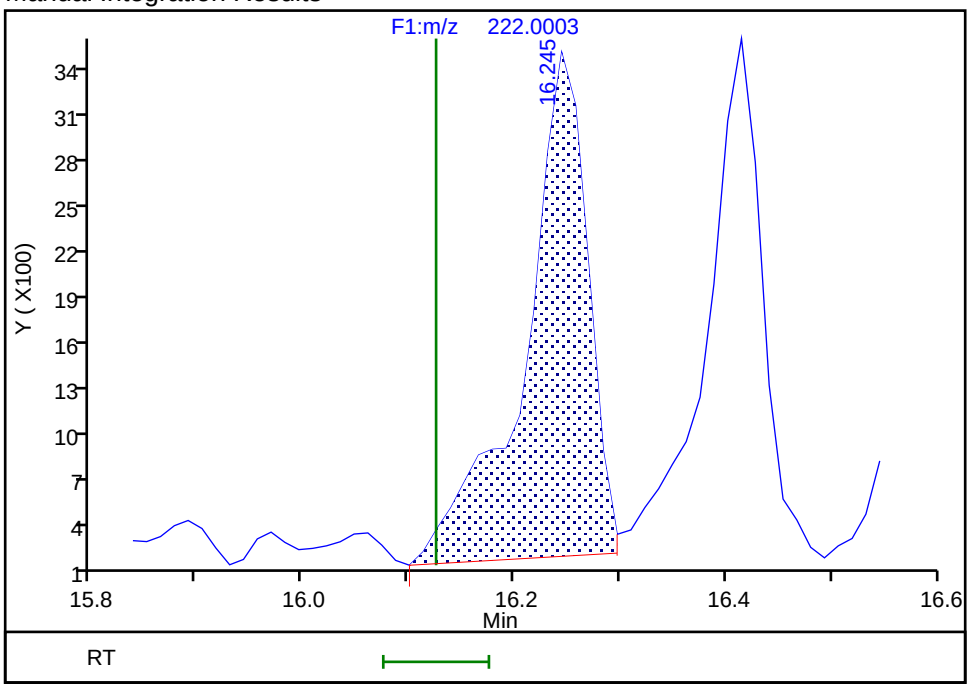
Not Detected
Expected RT: 16.13

Processing Integration Results




Manual Integration Results

RT: 16.24
Area: 13237
Amount: 0.638834
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:36:58
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

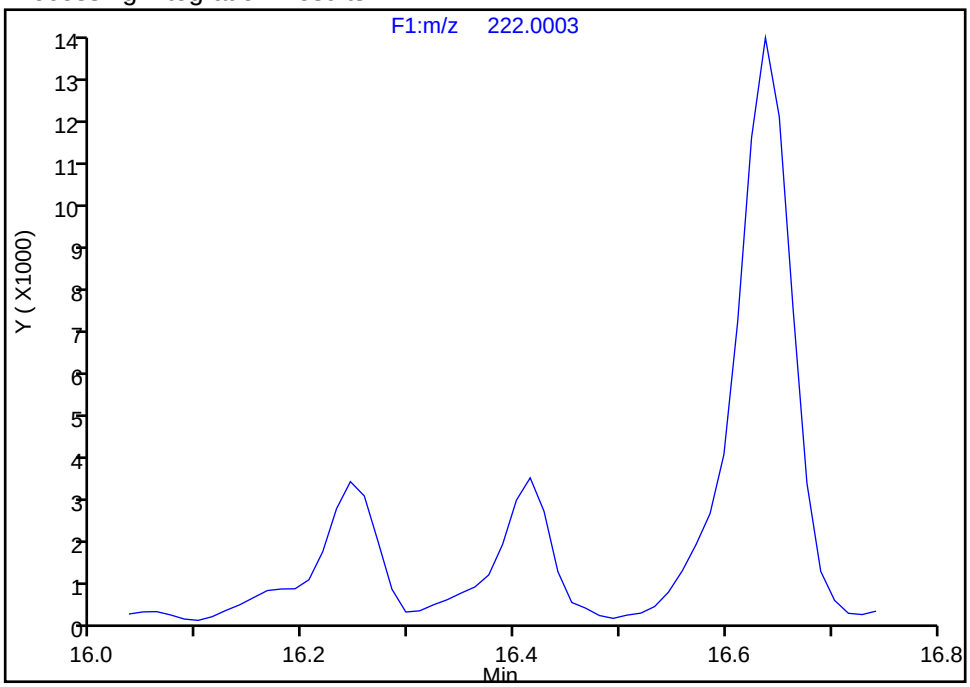
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 1

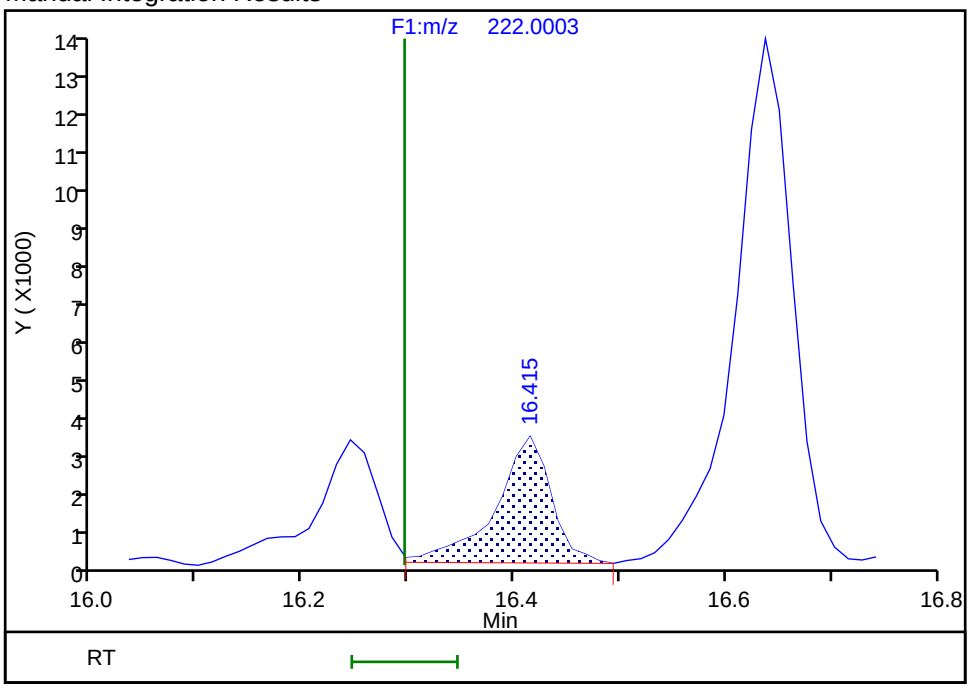
Not Detected
Expected RT: 16.30

Processing Integration Results




Manual Integration Results

RT: 16.41
Area: 11942
Amount: 0.543956
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:37:02
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

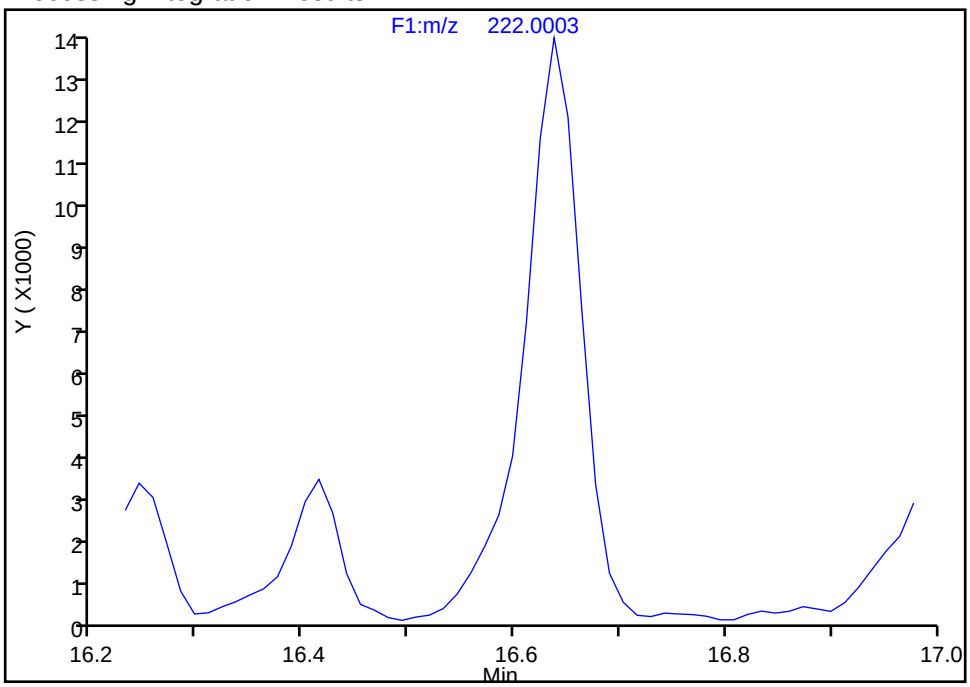
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

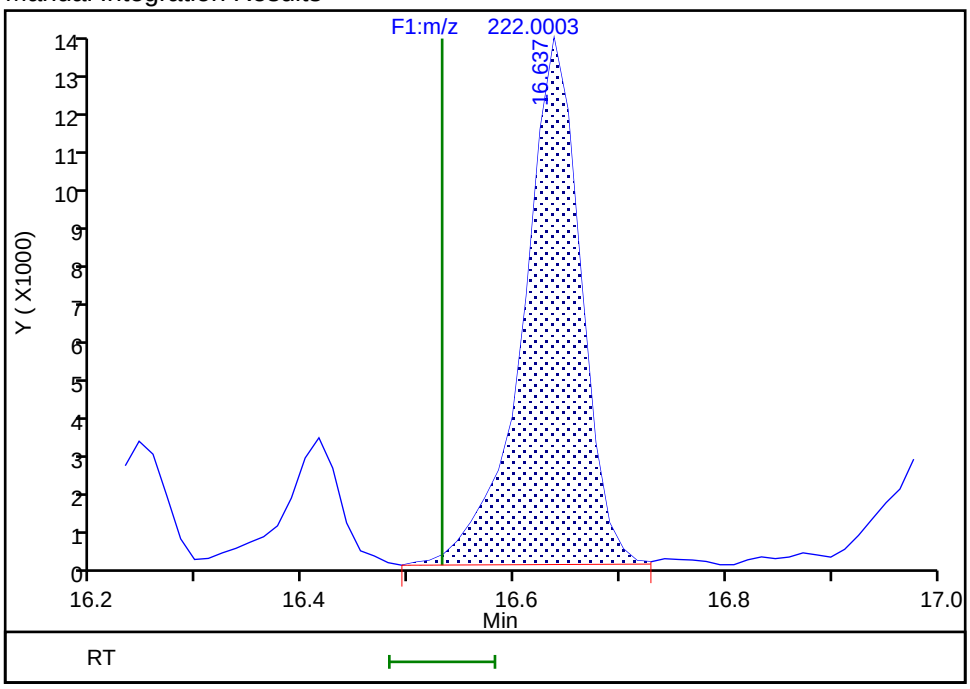
Not Detected
Expected RT: 16.53

Processing Integration Results




Manual Integration Results

RT: 16.64
Area: 51638
Amount: 2.586570
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:37:05
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

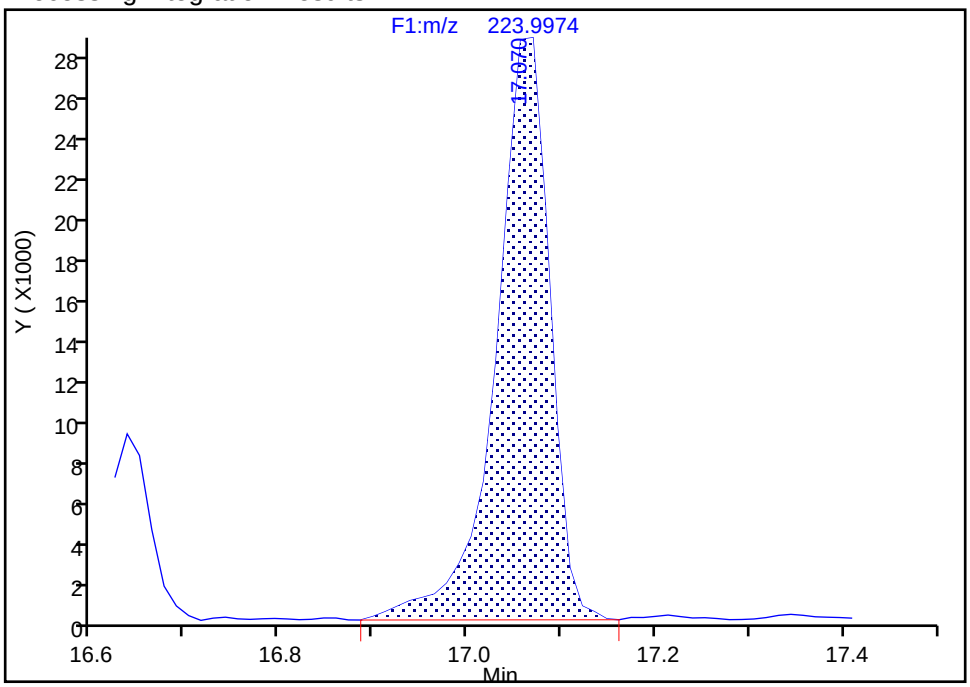
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 2

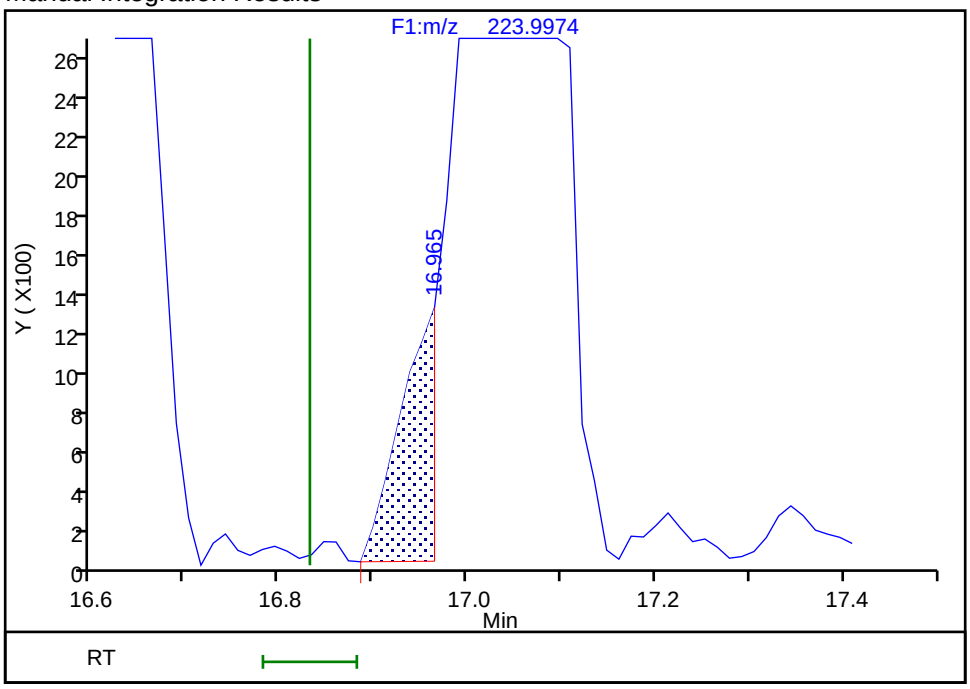
Processing Integration Results

RT: 17.07
Area: 112909
Amount: 8.847048
Amount Units: pg/ul




Manual Integration Results

RT: 16.96
Area: 3062
Amount: 0.191880
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:37:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

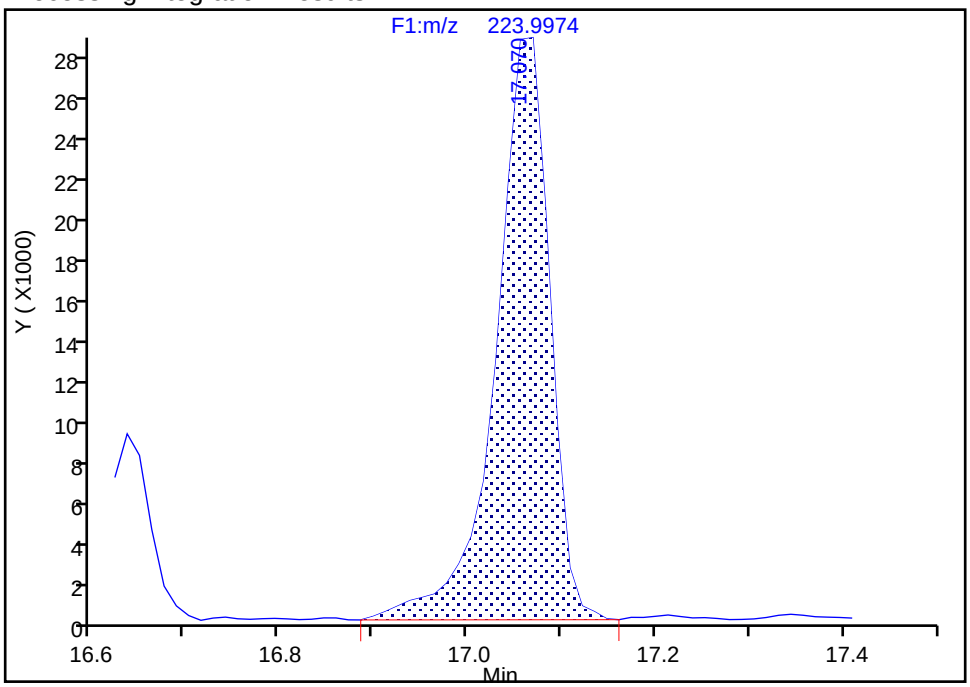
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 3

Processing Integration Results

RT: 17.07
Area: 293334
Amount: 8.847048
Amount Units: pg/ul




Manual Integration Results

RT: 16.96
Area: 6362
Amount: 0.191880
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:37:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

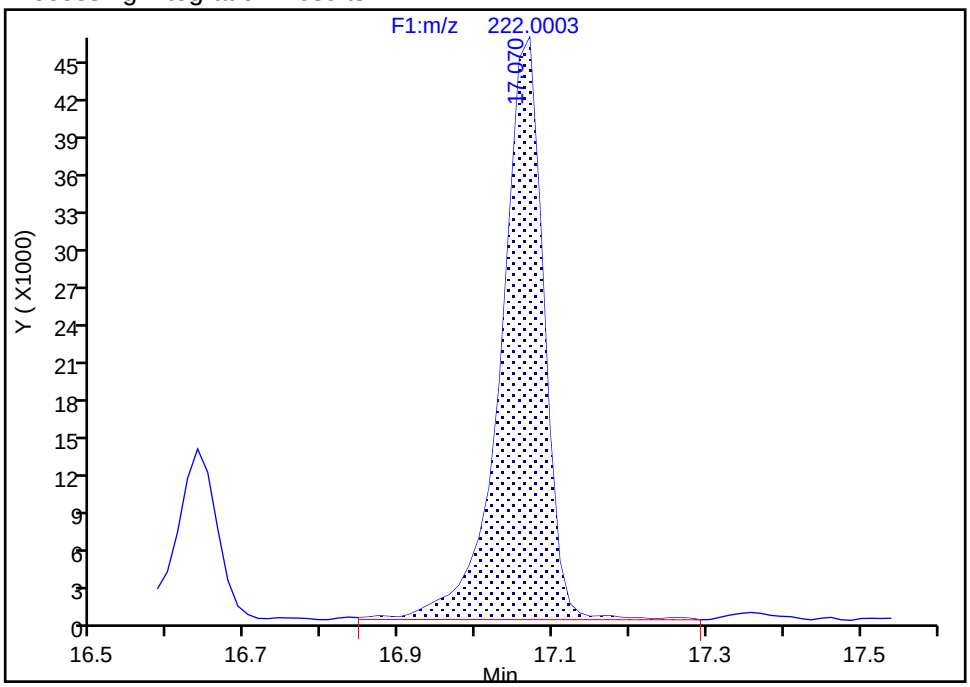
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 1

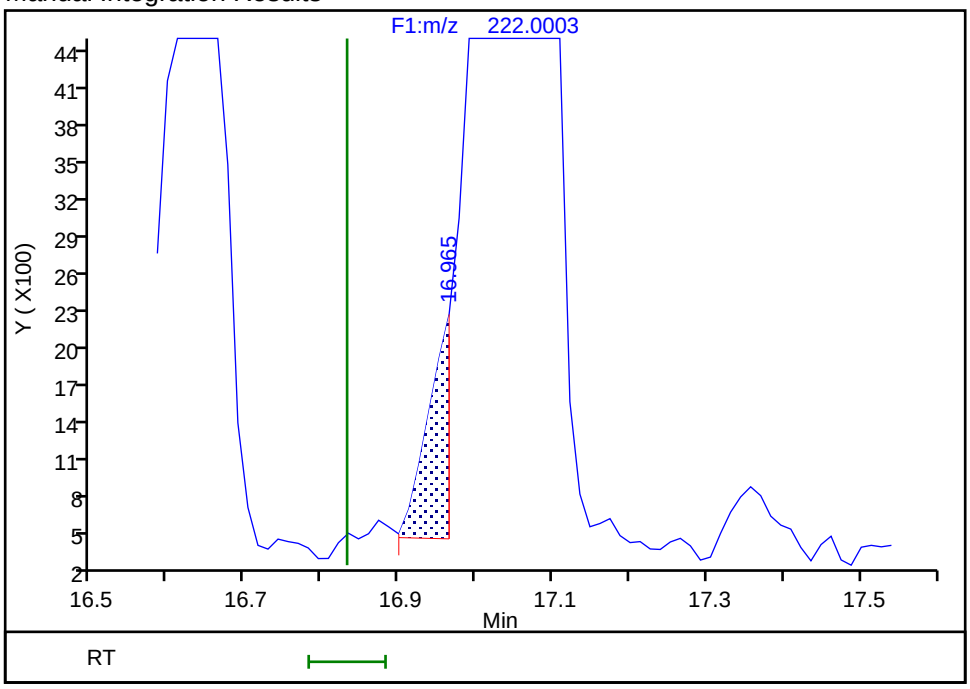
Processing Integration Results

RT: 17.07
Area: 180425
Amount: 8.847048
Amount Units: pg/ul




Manual Integration Results

RT: 16.96
Area: 3300
Amount: 0.191880
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:37:41

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

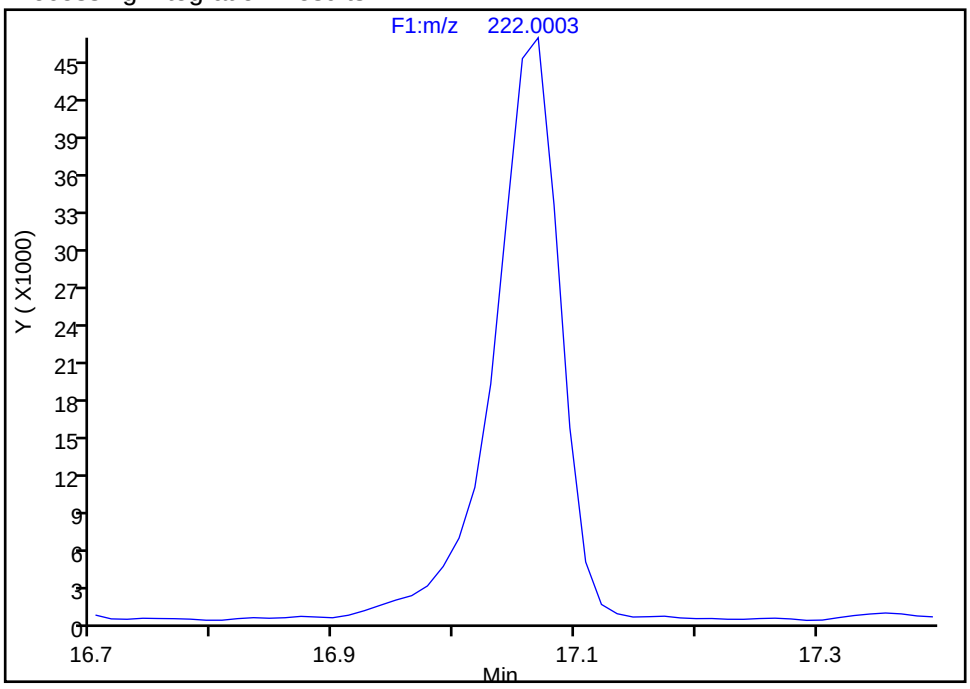
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

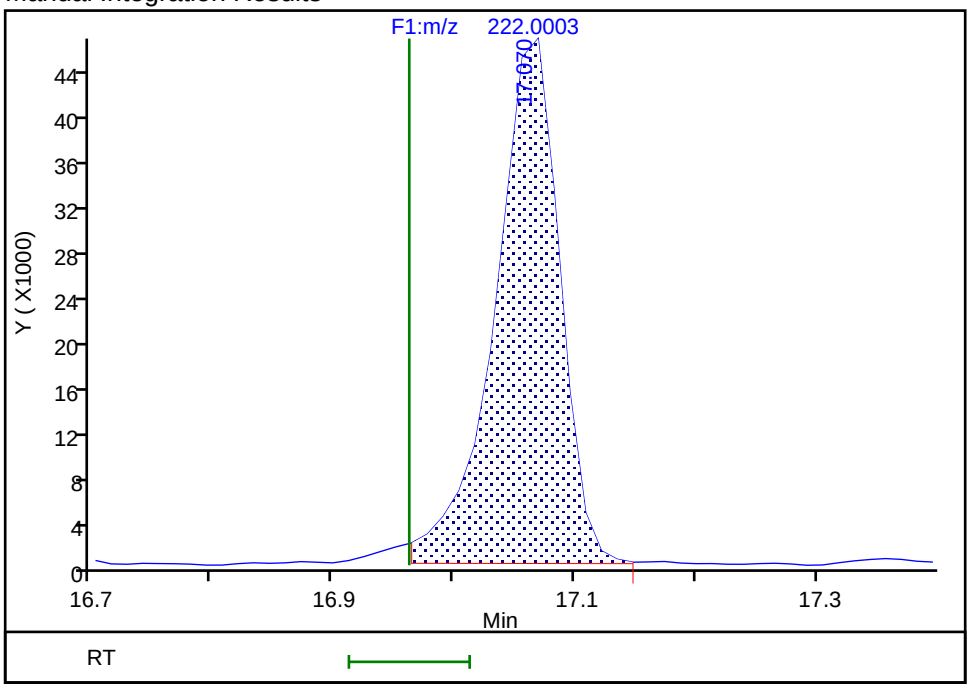
Not Detected
Expected RT: 16.96

Processing Integration Results




Manual Integration Results

RT: 17.07
Area: 172899
Amount: 8.379090
Amount Units: pg/ul

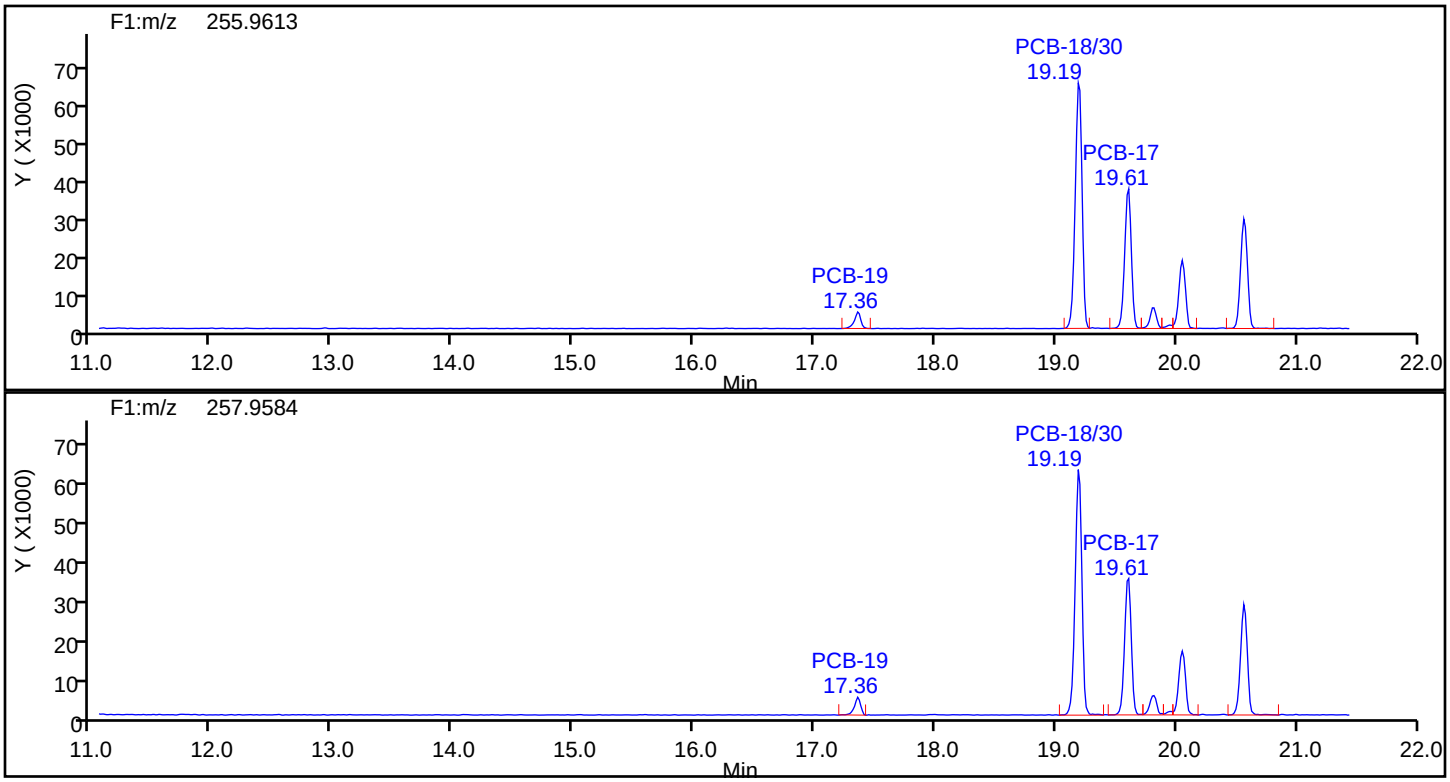



Reviewer: mcwhirterl, 03-Oct-2019 20:37:44
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

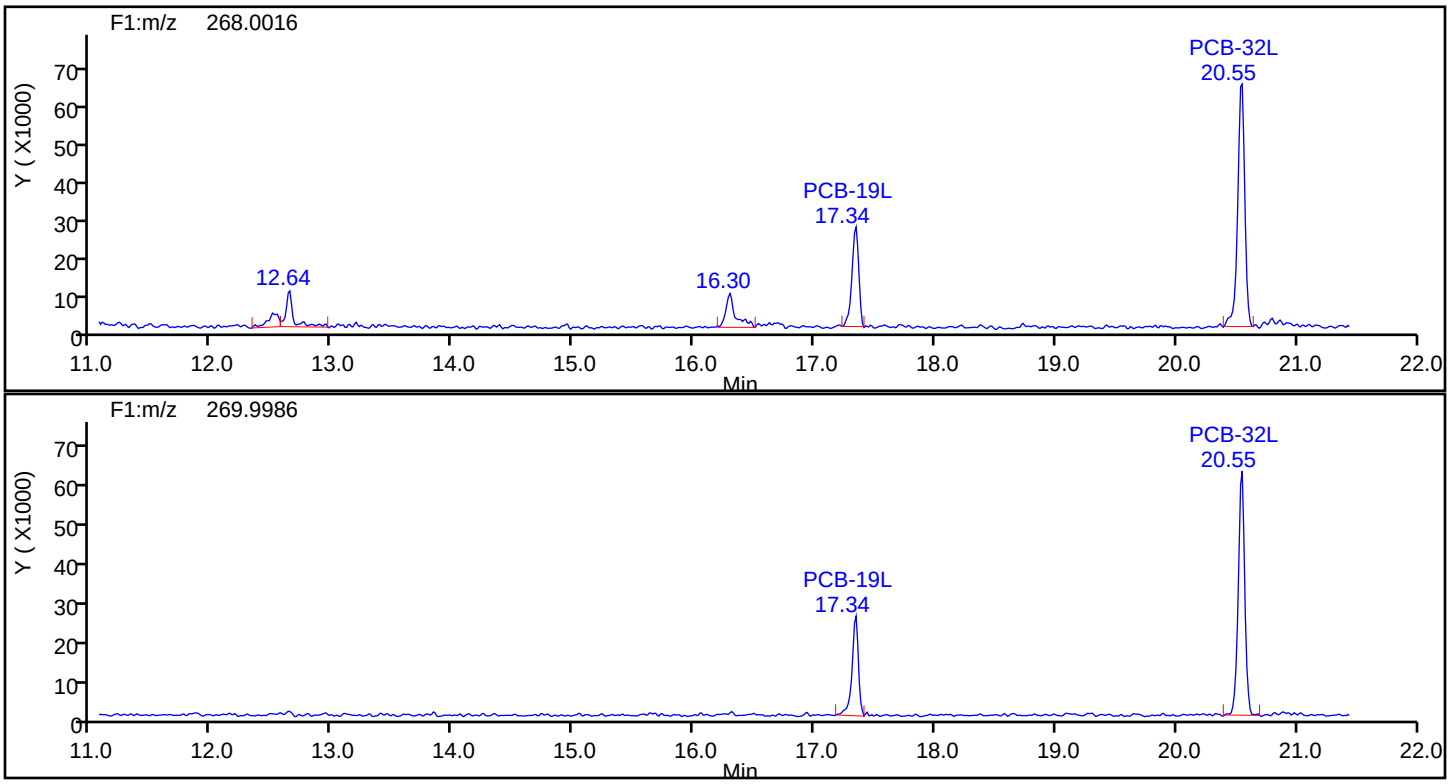
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



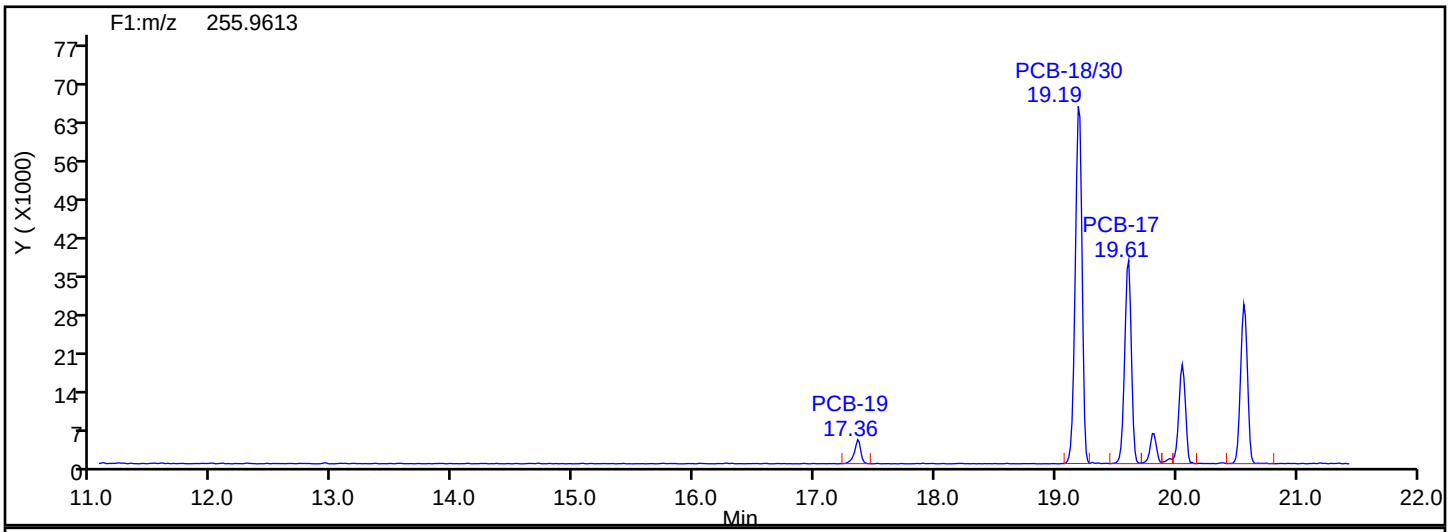

TriPCB F1 Standards

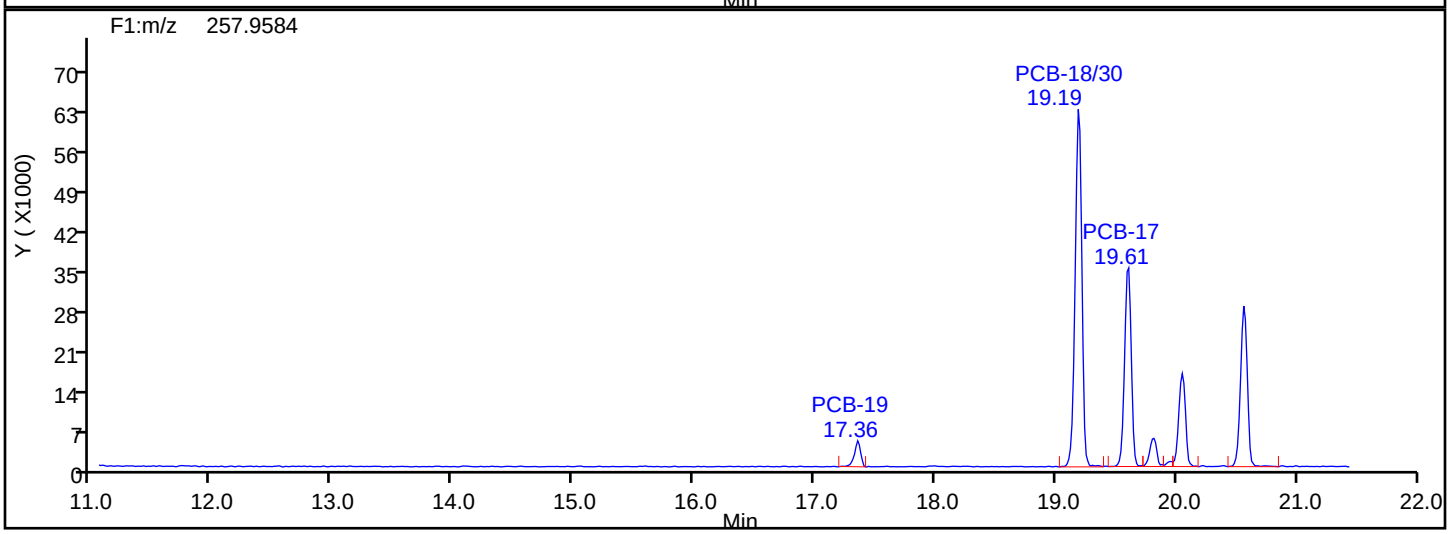


Eurofins TestAmerica, Knoxville

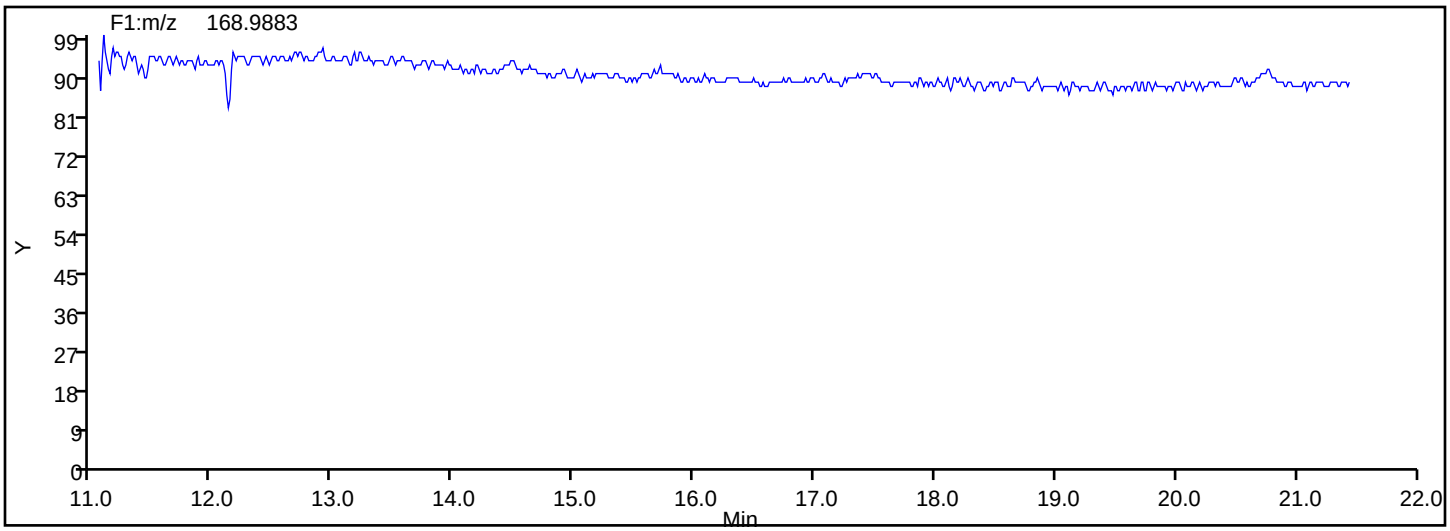
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

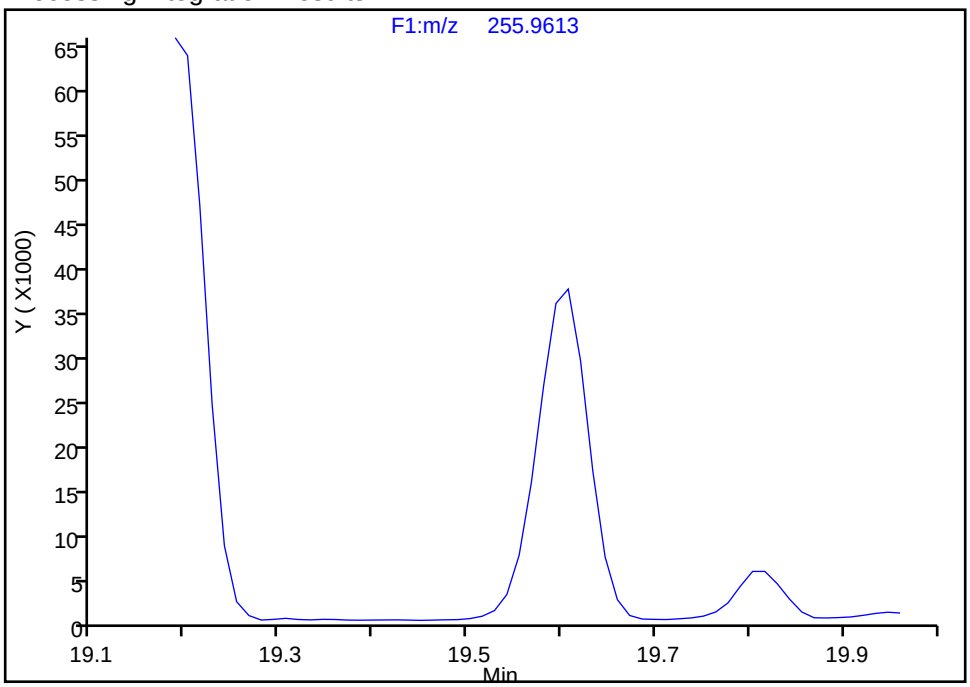
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-17, CAS: 37680-66-3

Signal: 1

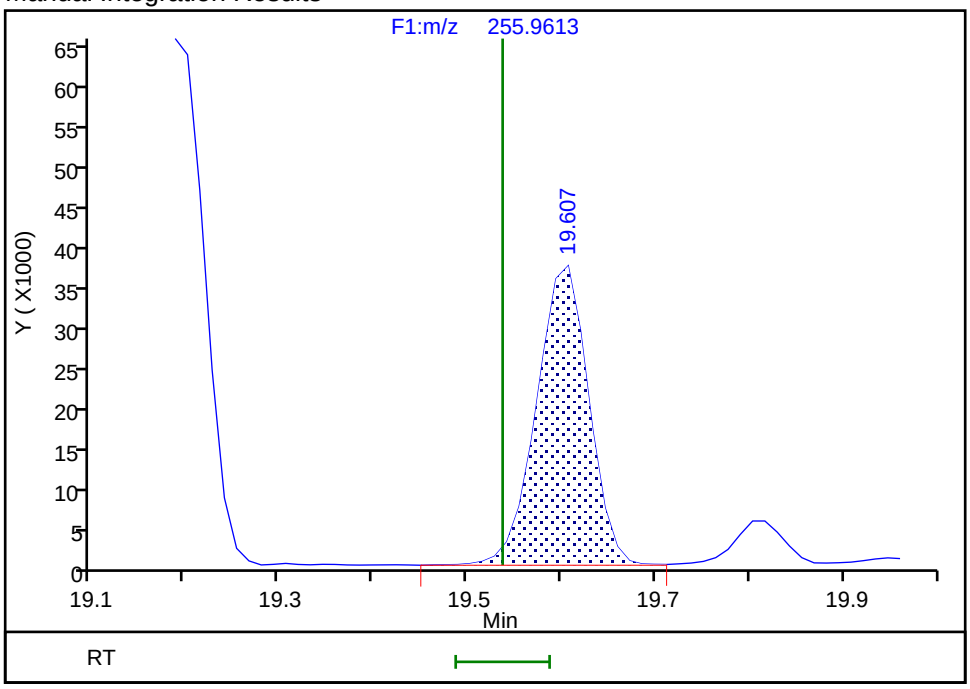
Not Detected
Expected RT: 19.54

Processing Integration Results




Manual Integration Results

RT: 19.61
Area: 143417
Amount: 17.937779
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:37:58
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

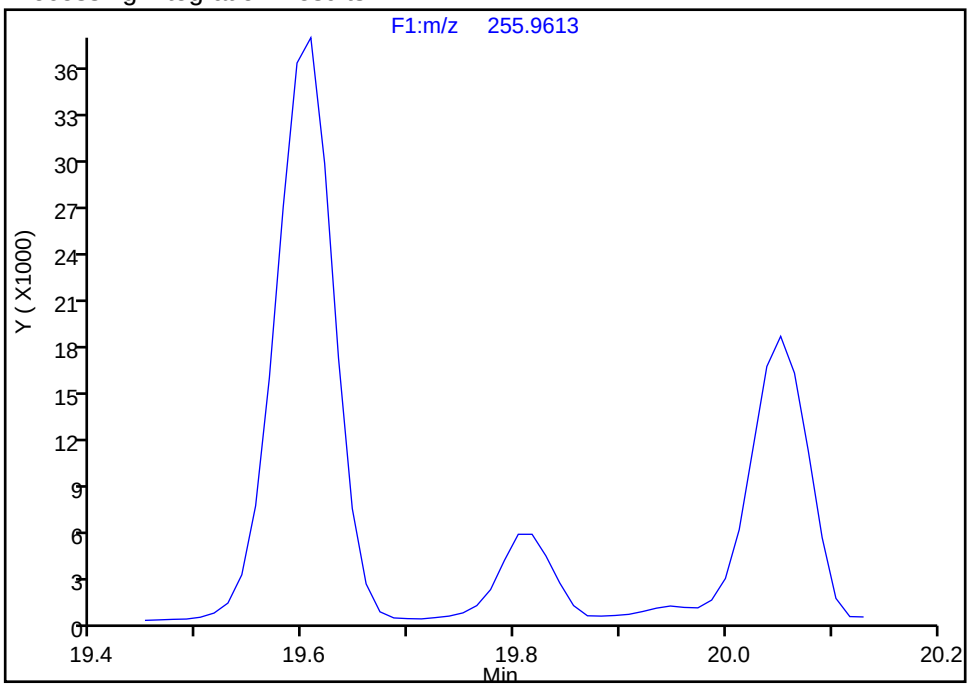
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-27, CAS: 38444-76-7

Signal: 1

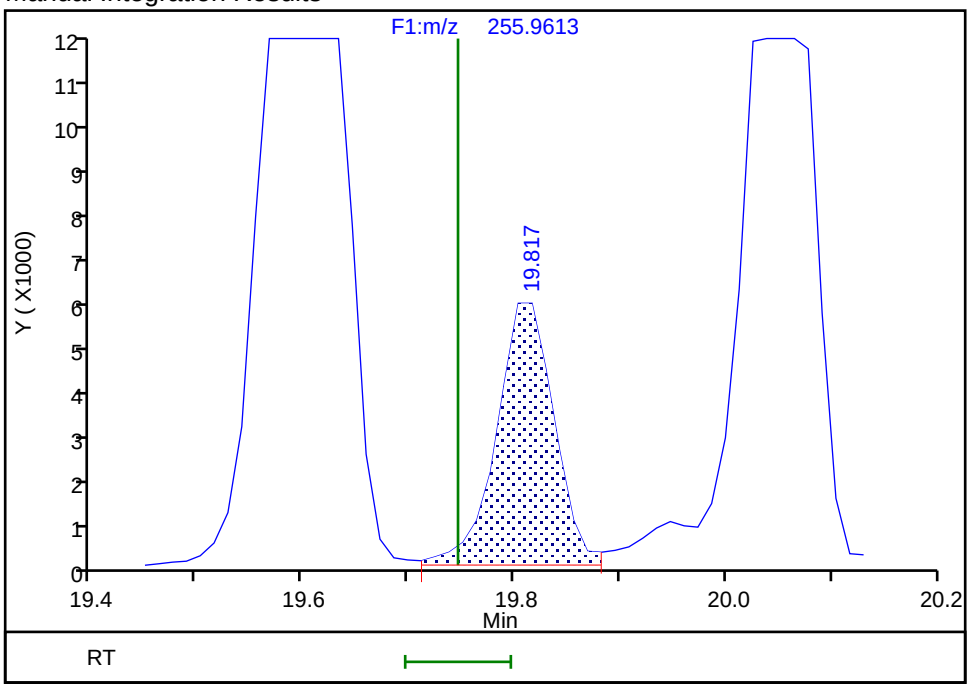
Not Detected
Expected RT: 19.75

Processing Integration Results




Manual Integration Results

RT: 19.82
Area: 20803
Amount: 1.911602
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:38:07
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

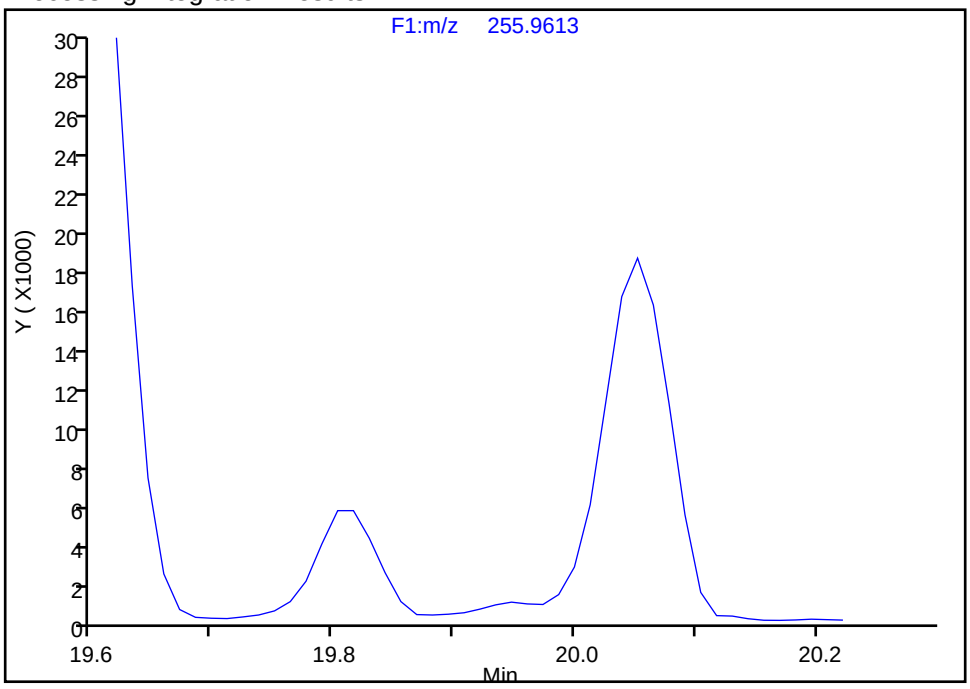
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

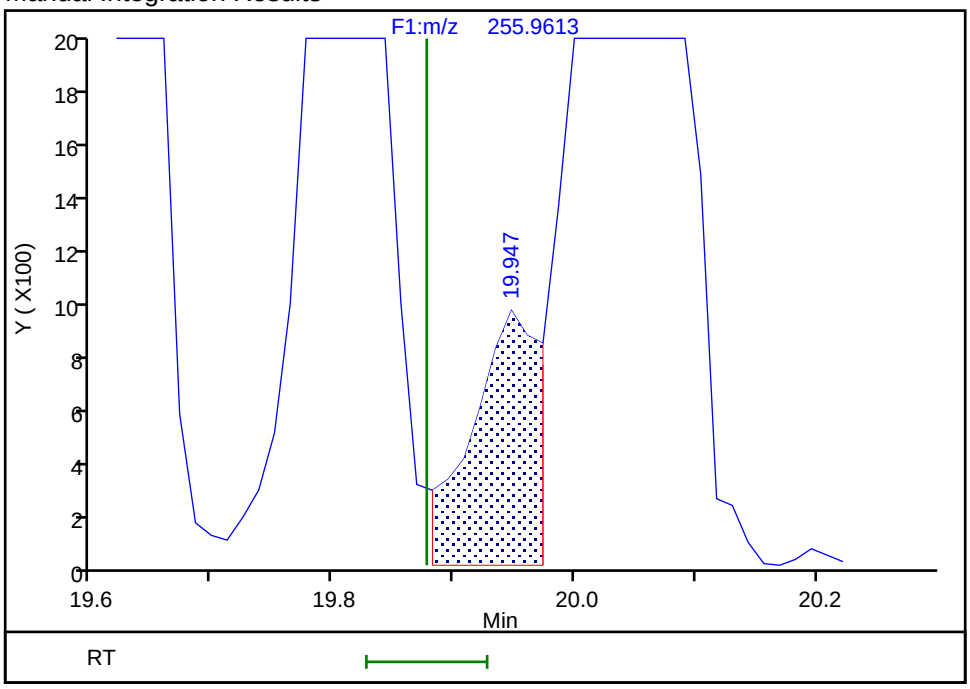
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.95
Area: 3361
Amount: 0.304240
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:38:11
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

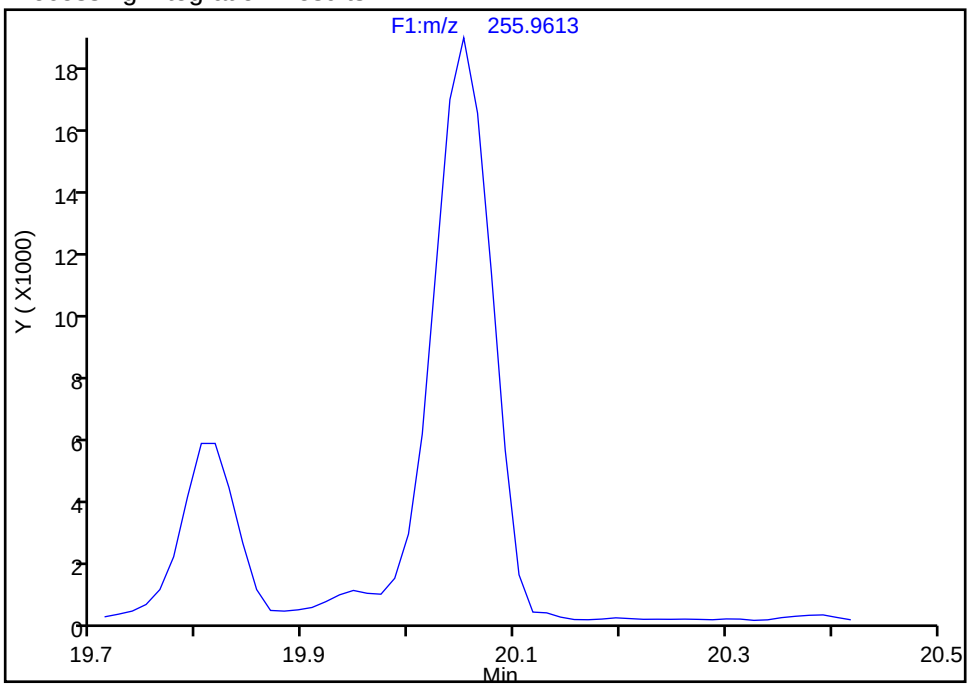
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

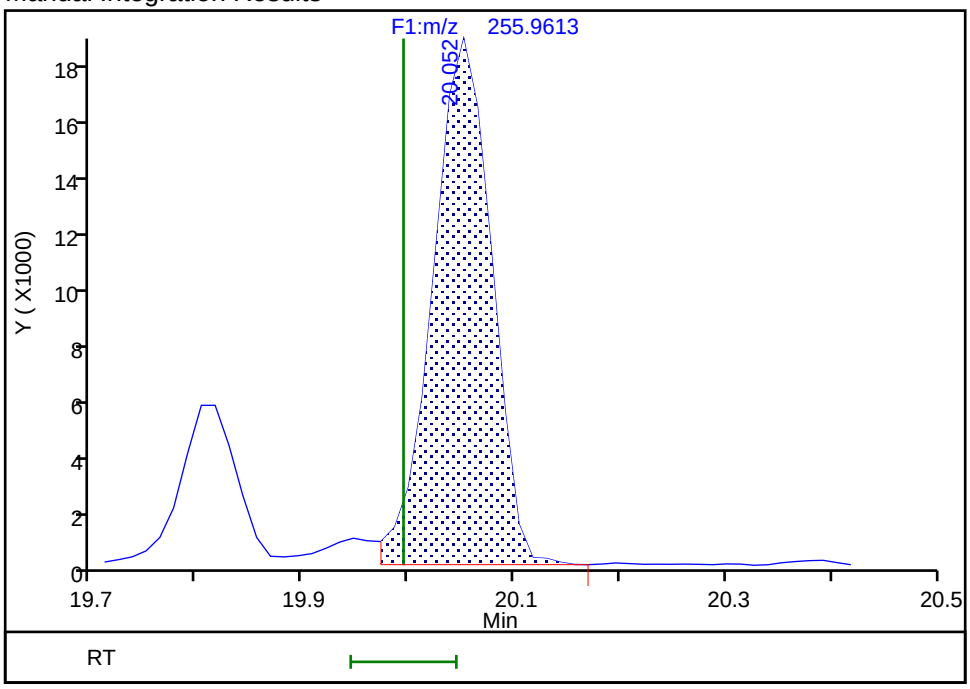
Not Detected
Expected RT: 19.99

Processing Integration Results




Manual Integration Results

RT: 20.05
Area: 69960
Amount: 11.009481
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:38:14
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

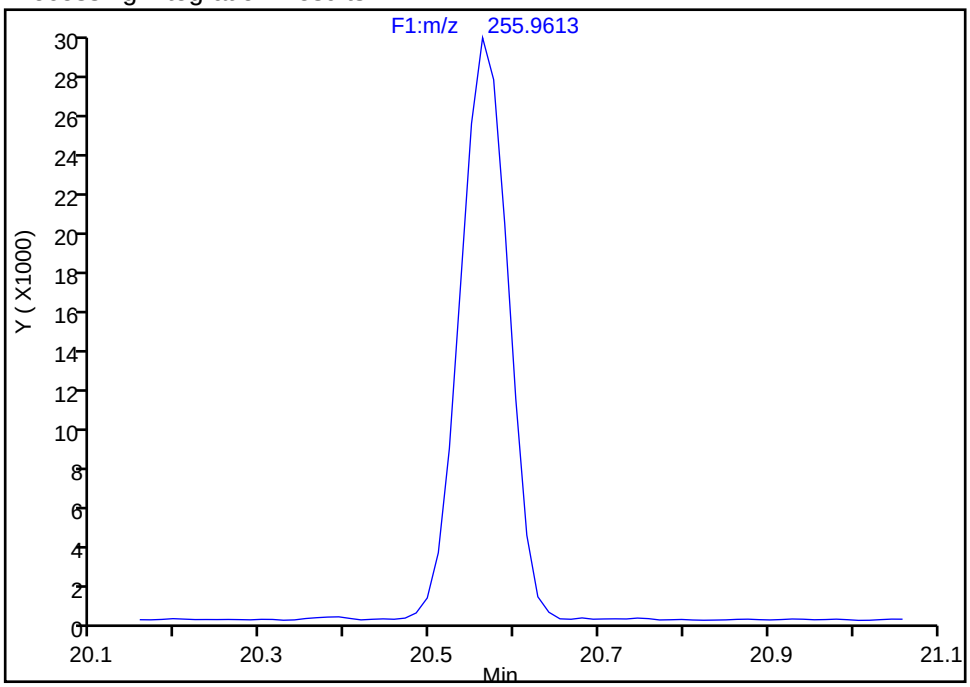
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

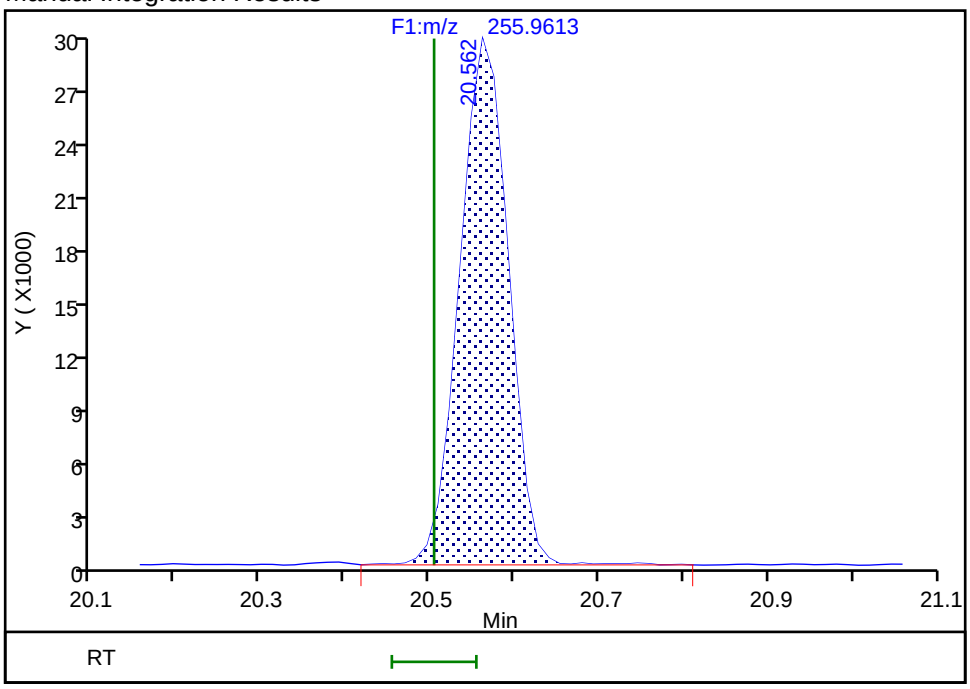
Not Detected
Expected RT: 20.50

Processing Integration Results




Manual Integration Results

RT: 20.56
Area: 116715
Amount: 9.804553
Amount Units: pg/ul

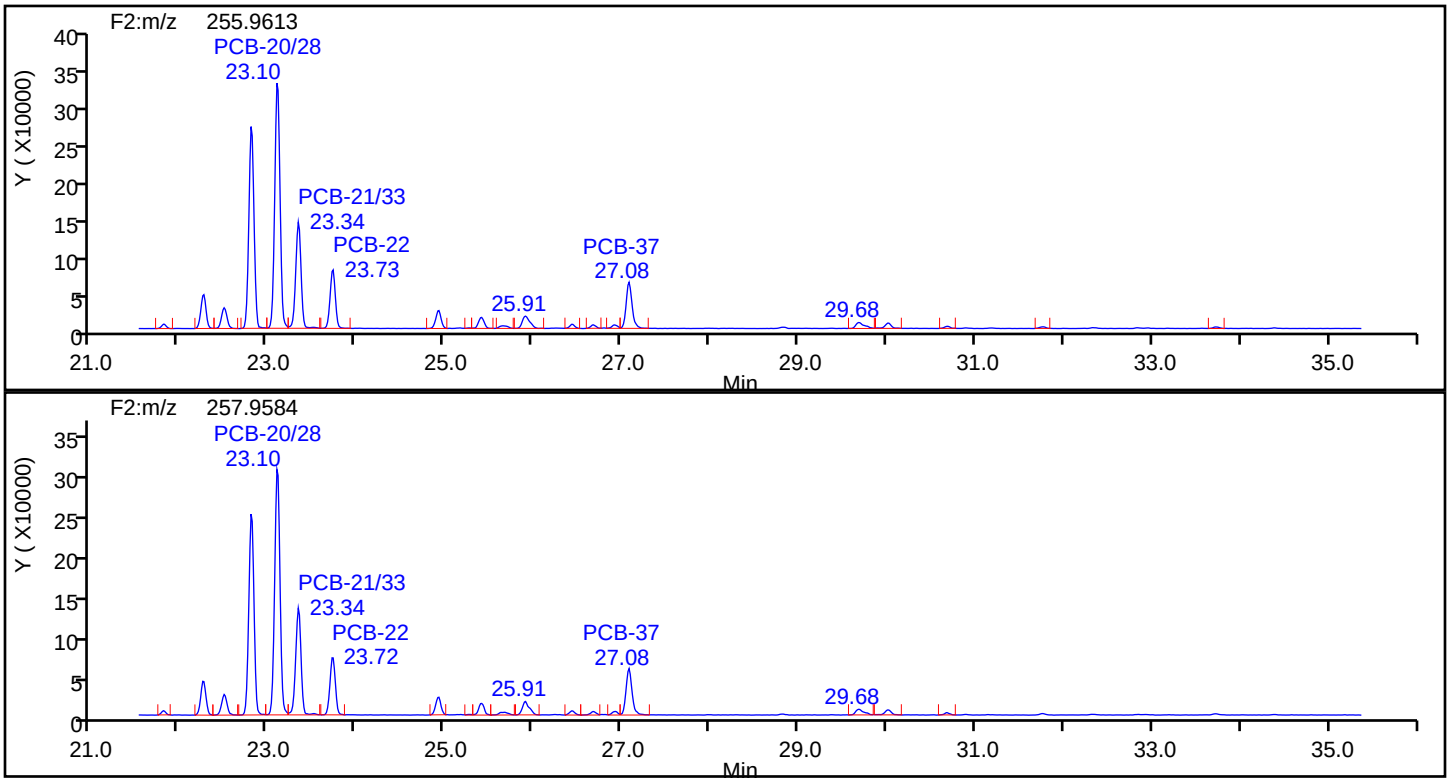



Reviewer: mcwhirterl, 03-Oct-2019 20:38:17
Audit Action: Assigned Compound ID Audit Reason: Split Peak

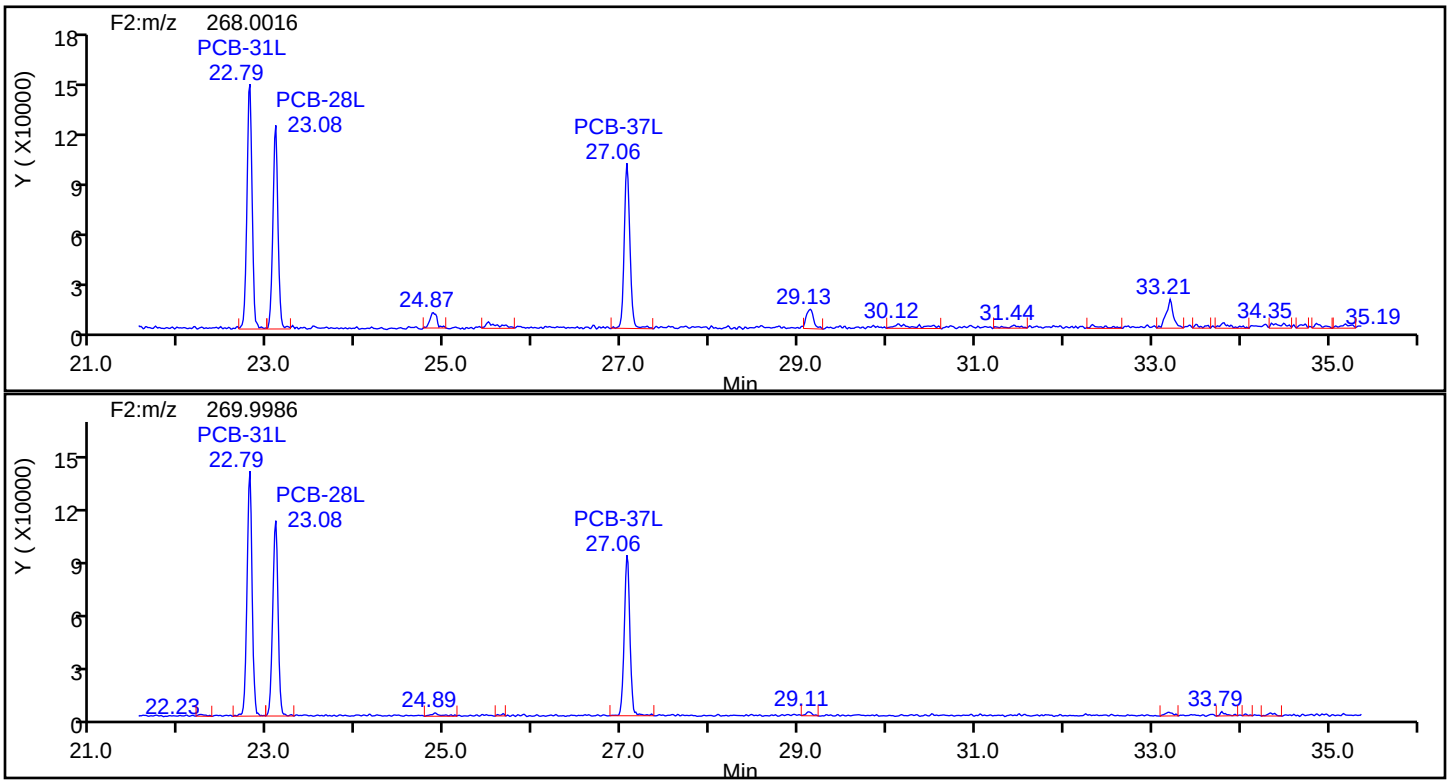
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



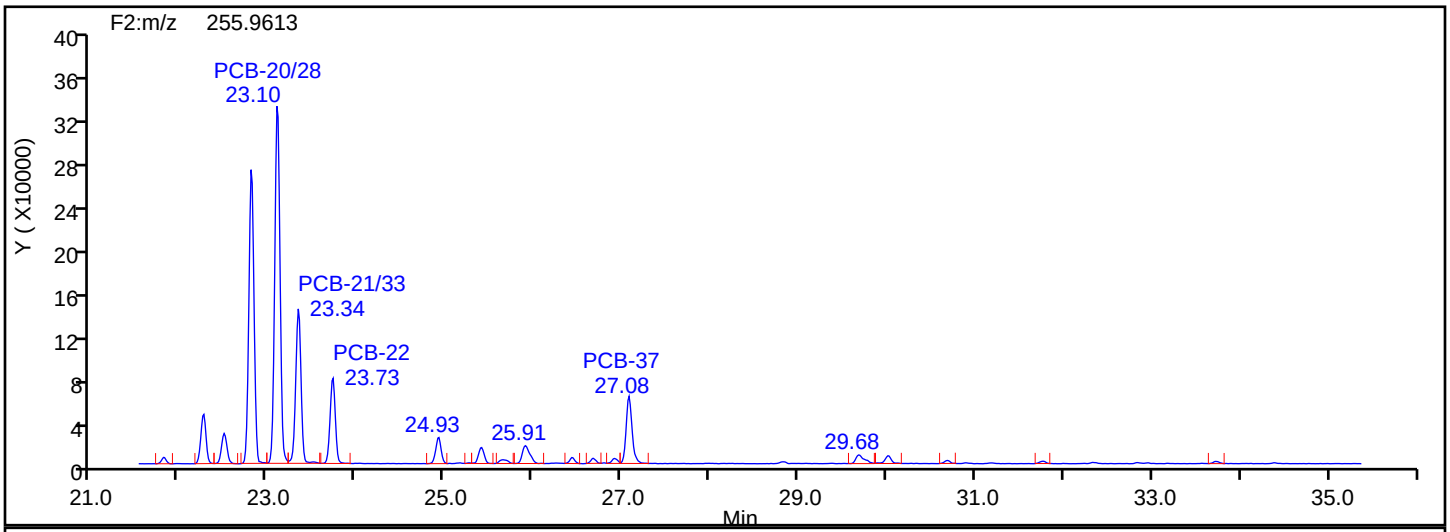

TriPCB F2 Standards

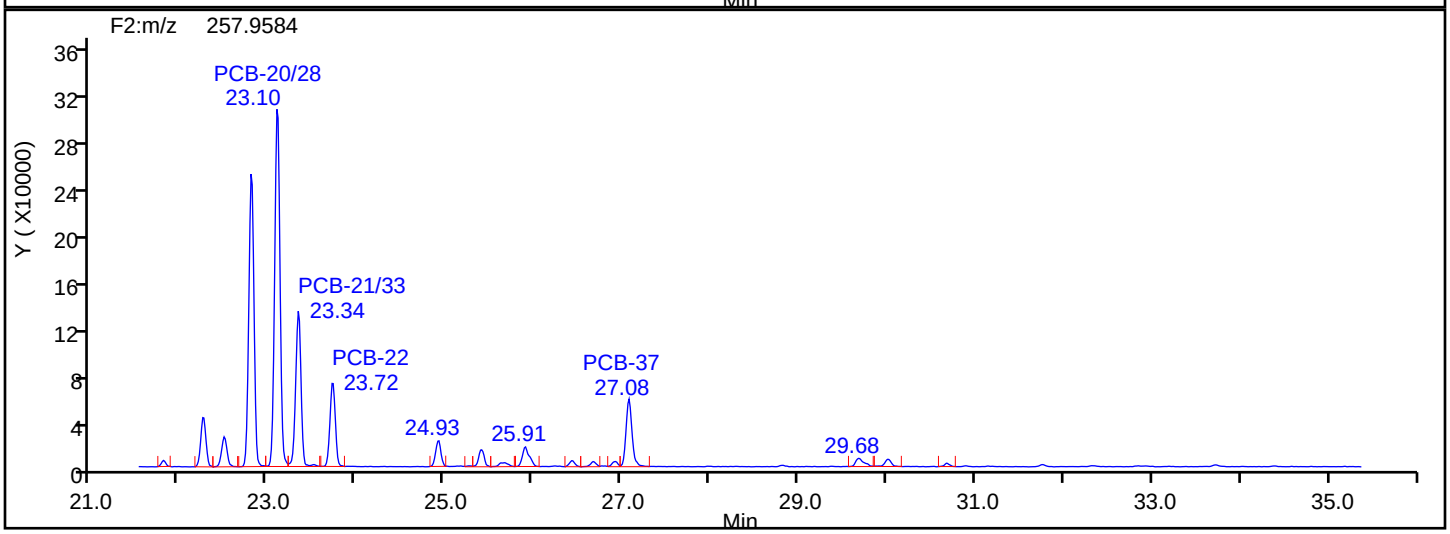


Eurofins TestAmerica, Knoxville

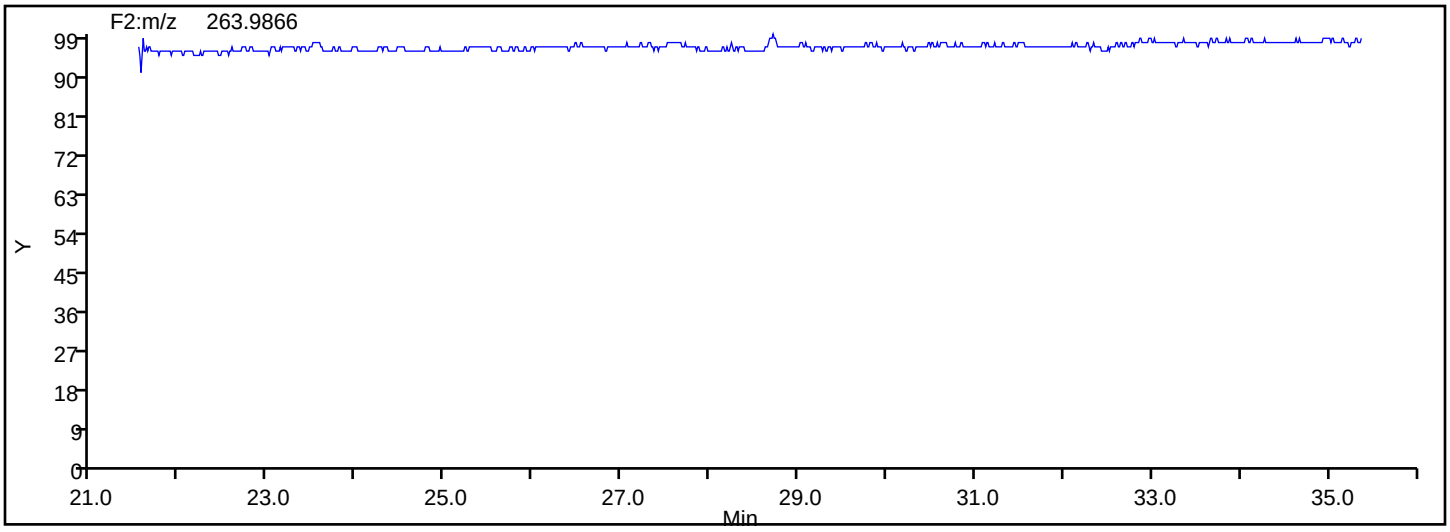
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

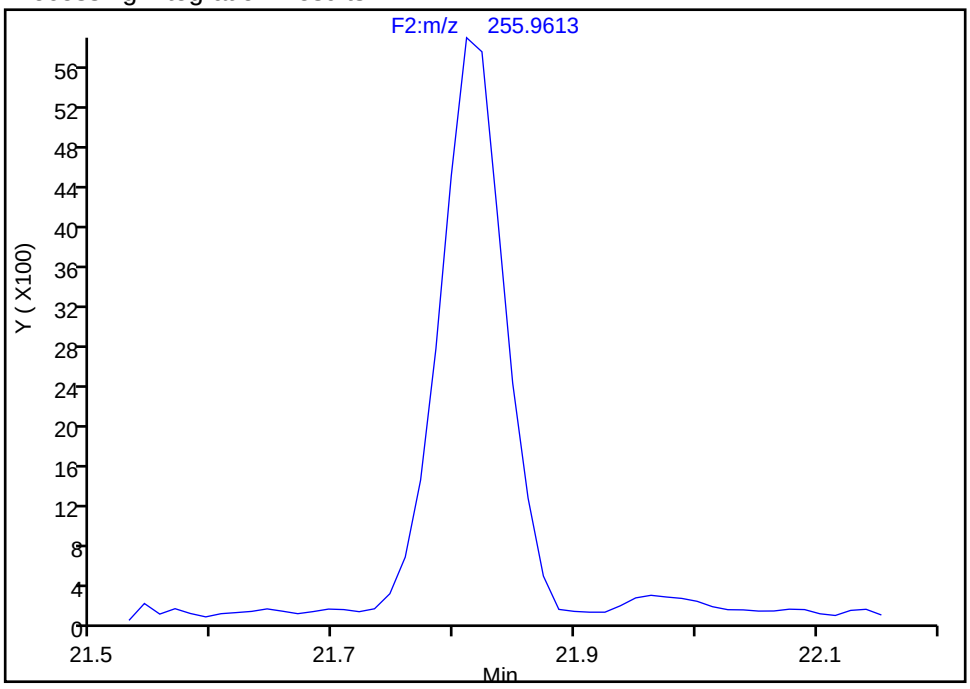
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

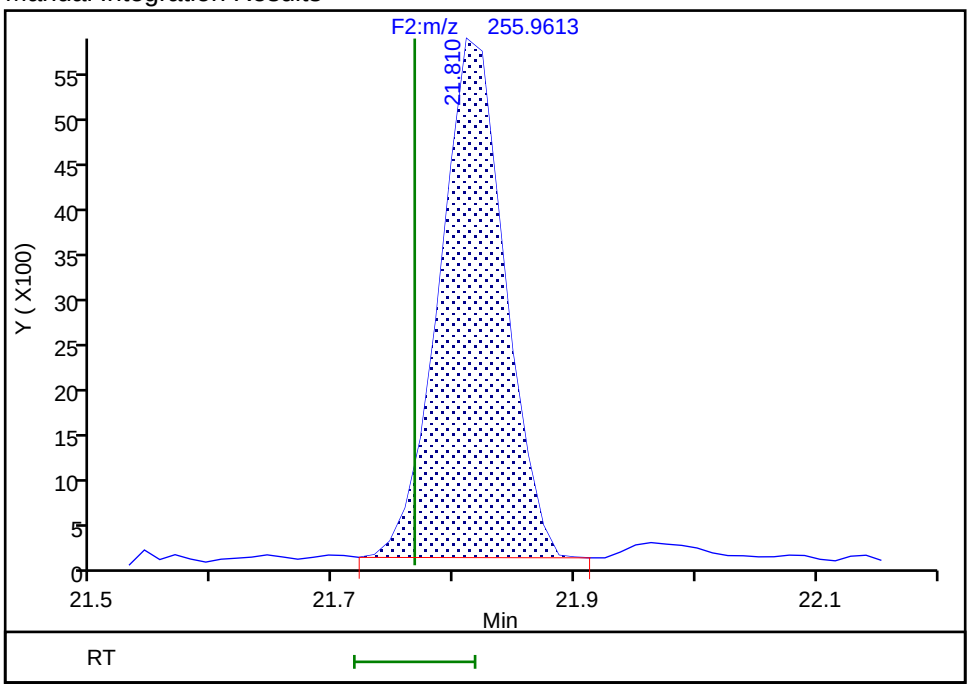
Not Detected
Expected RT: 21.77

Processing Integration Results




Manual Integration Results

RT: 21.81
Area: 21557
Amount: 0.779156
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:38:29
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

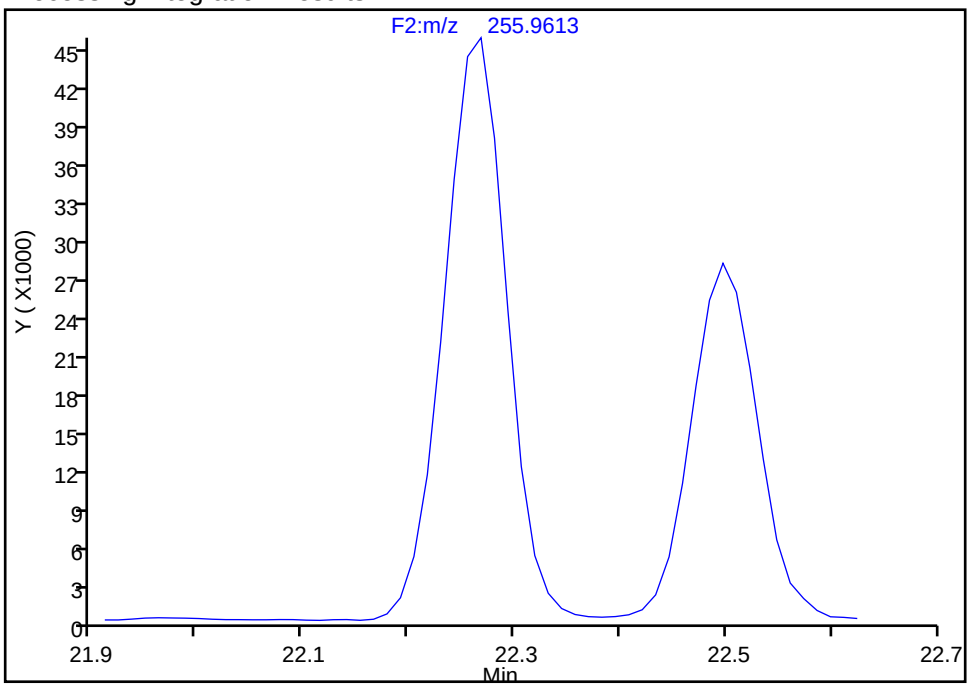
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

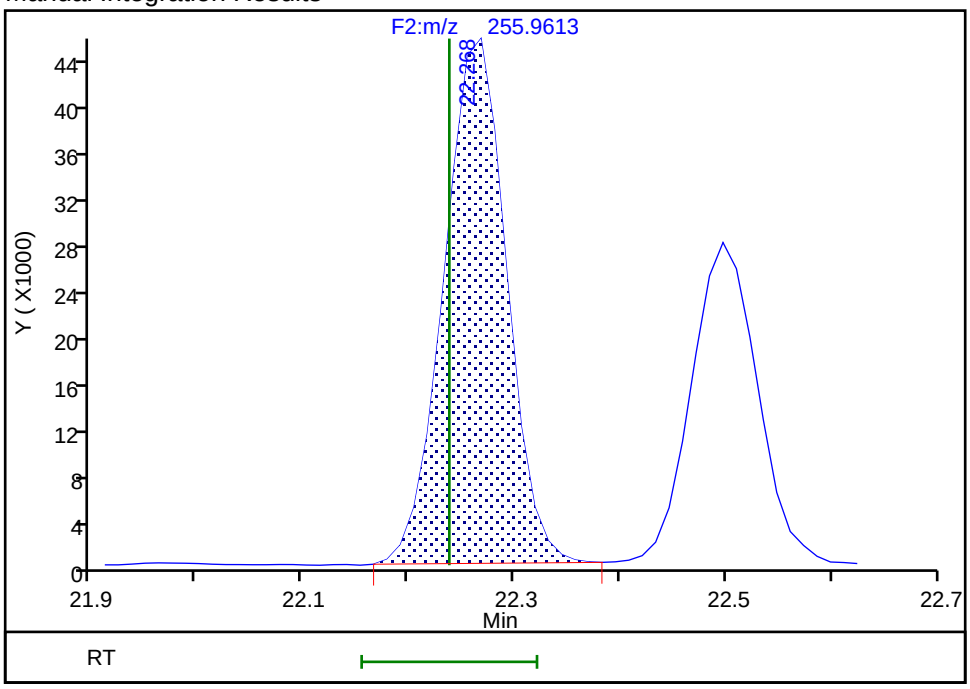
Processing Integration Results

Not Detected
Expected RT: 22.24




Manual Integration Results

RT: 22.27
Area: 184183
Amount: 6.571148
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:38:33
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

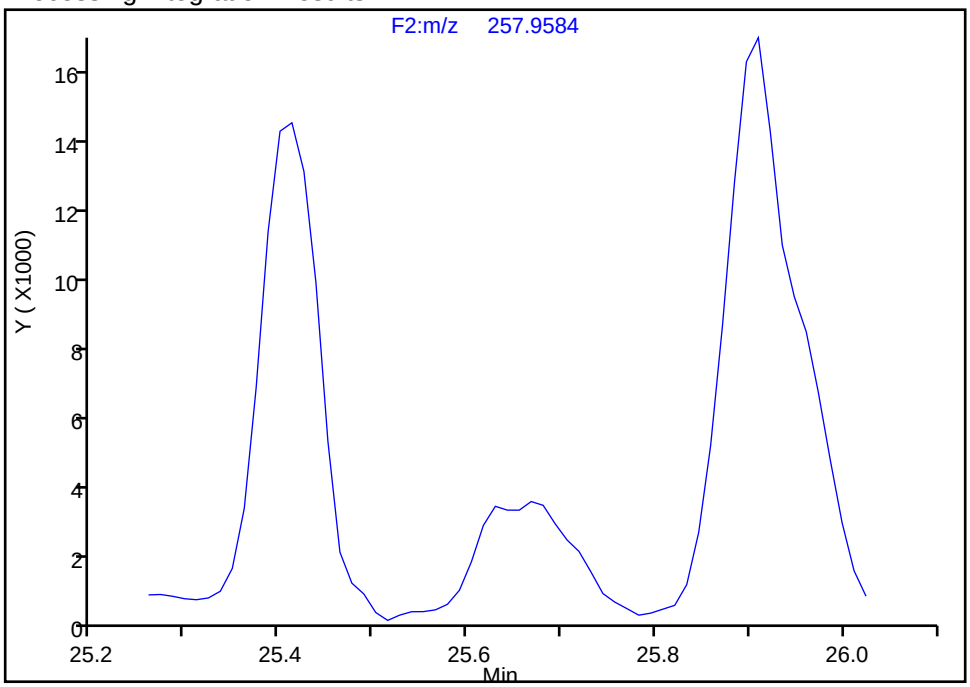
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 2

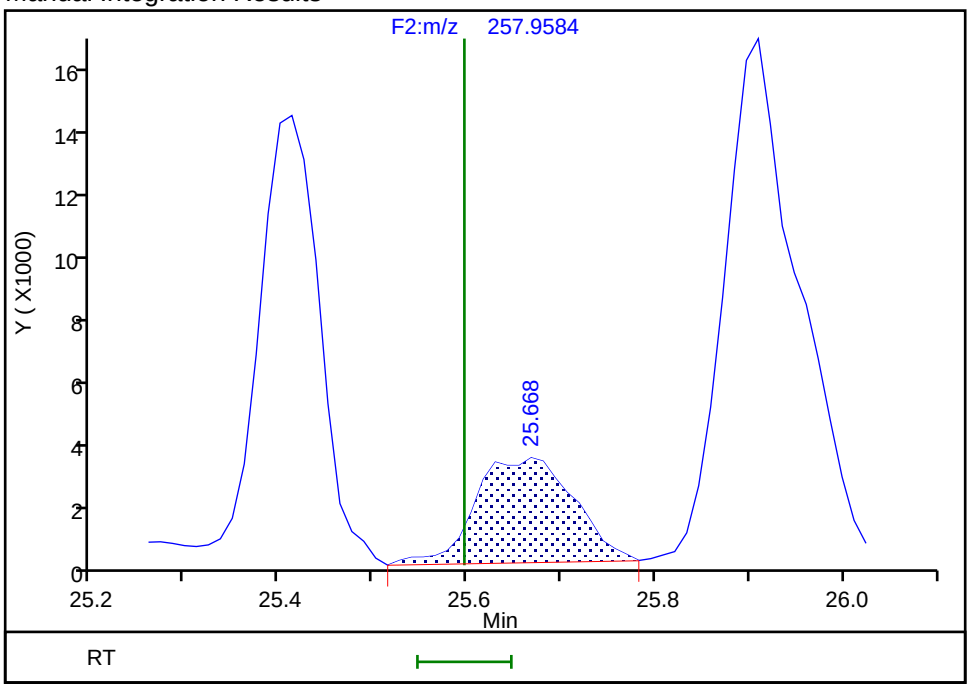
Not Detected
Expected RT: 25.60

Processing Integration Results




Manual Integration Results

RT: 25.67
Area: 24315
Amount: 0.813111
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:39:31
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

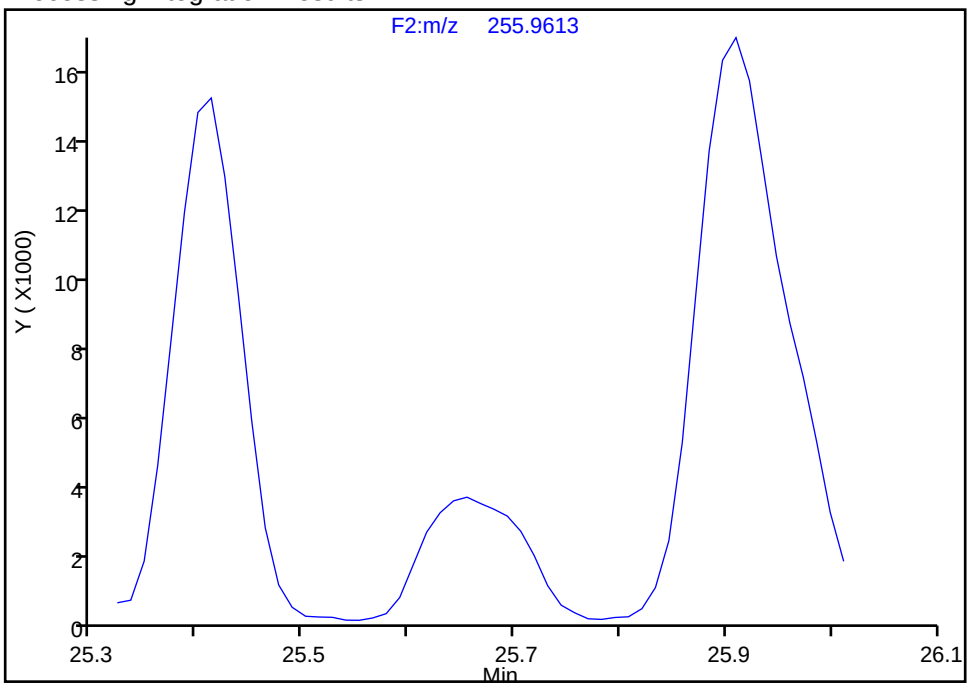
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

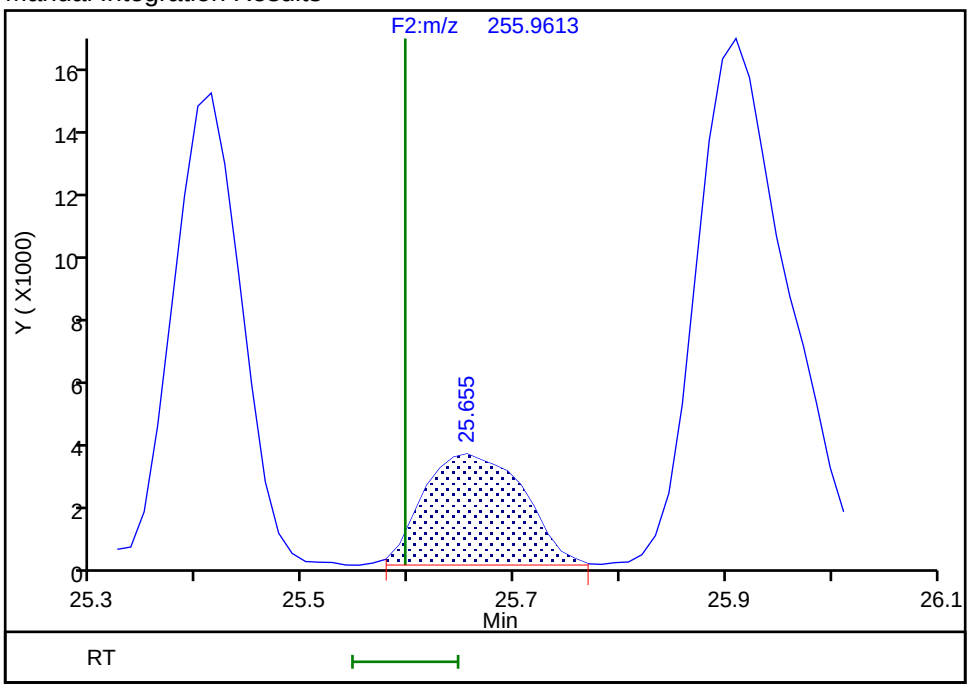
Not Detected
Expected RT: 25.60

Processing Integration Results




Manual Integration Results

RT: 25.65
Area: 22579
Amount: 0.813111
Amount Units: pg/ul

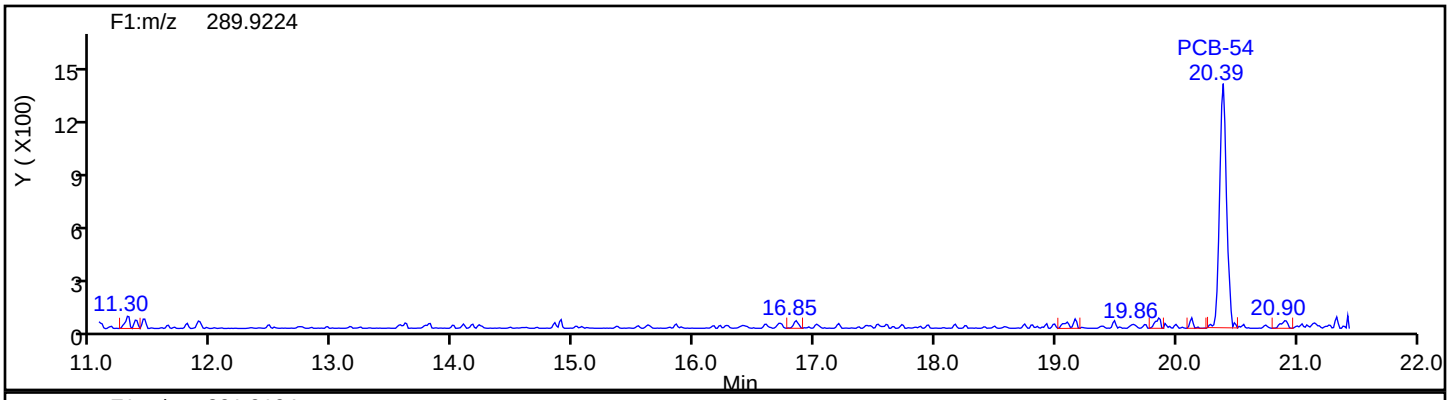


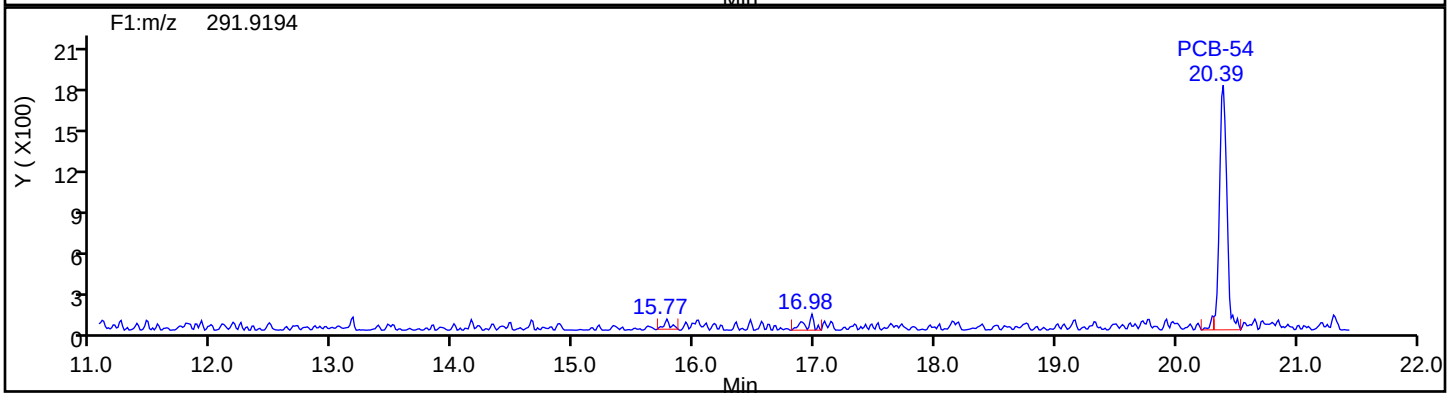

Reviewer: mcwhirterl, 03-Oct-2019 20:39:34
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Eurofins TestAmerica, Knoxville

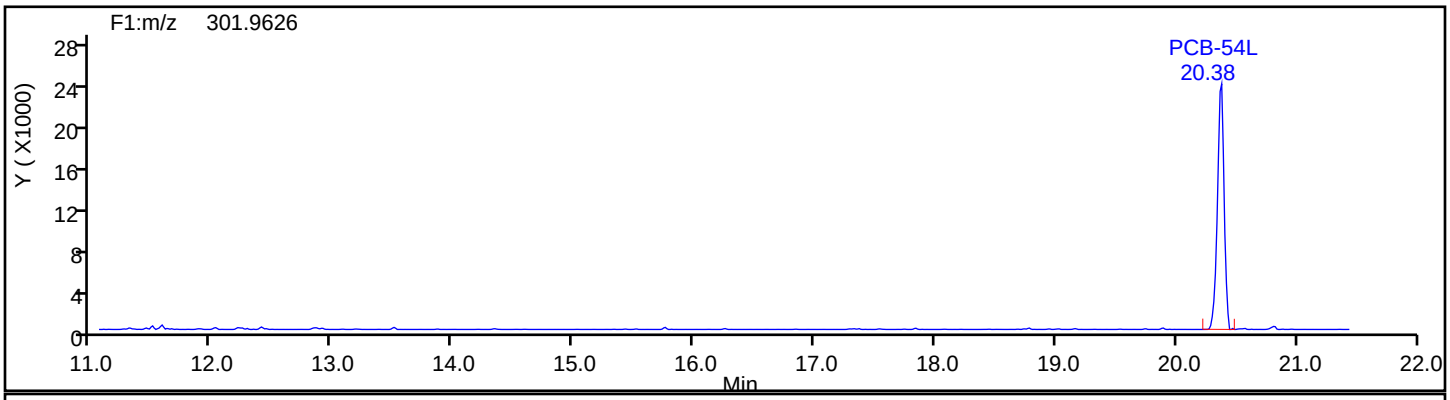
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

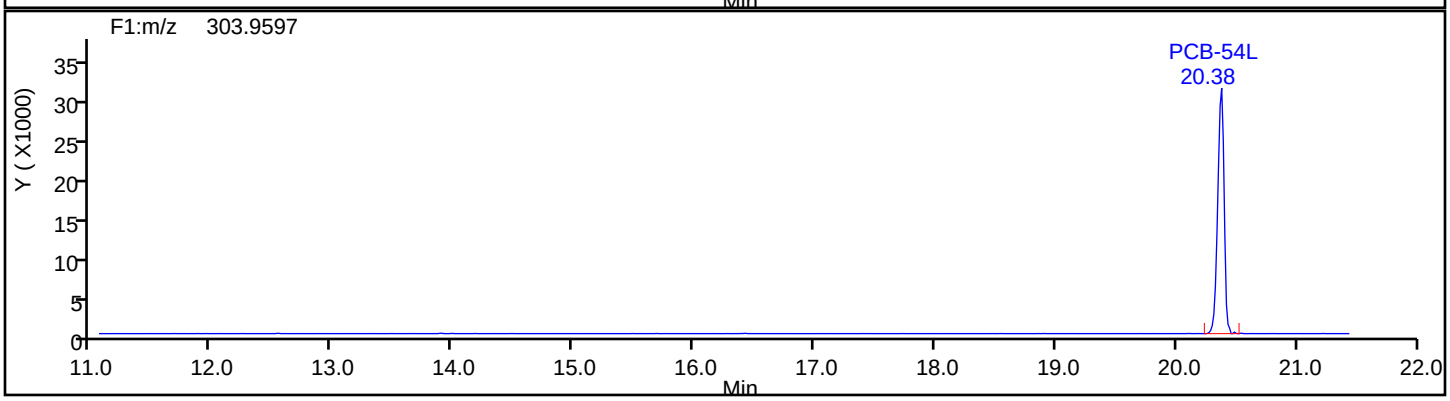
TePCB F1




TePCB F1 Standards



Report Date: 04-Oct-2019 00:05:05 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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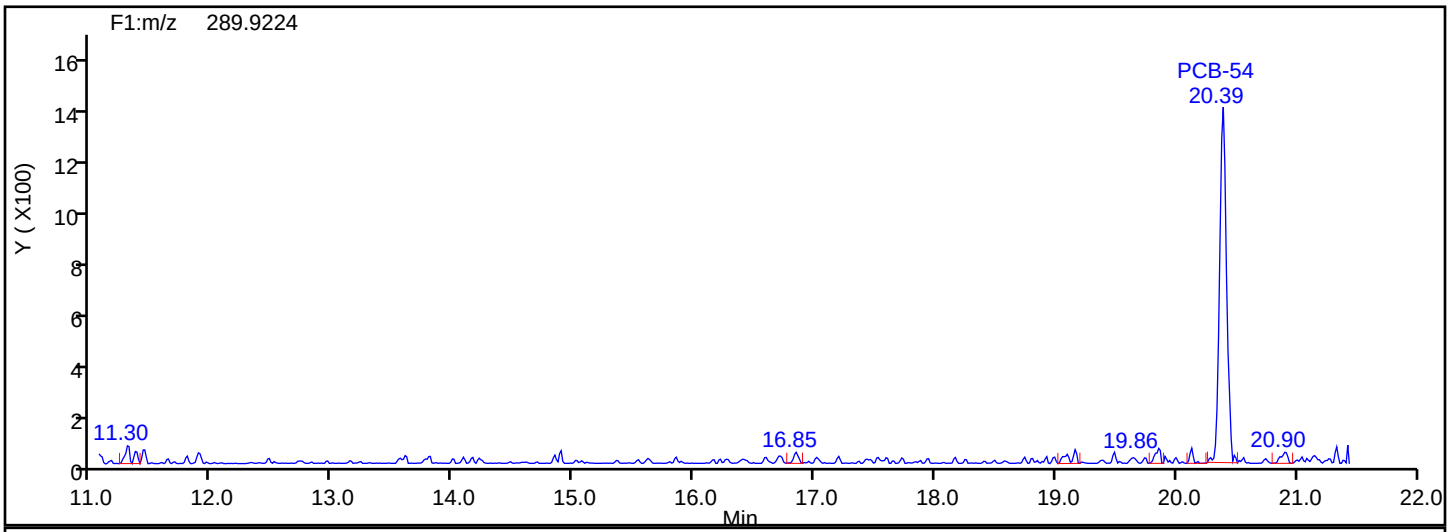
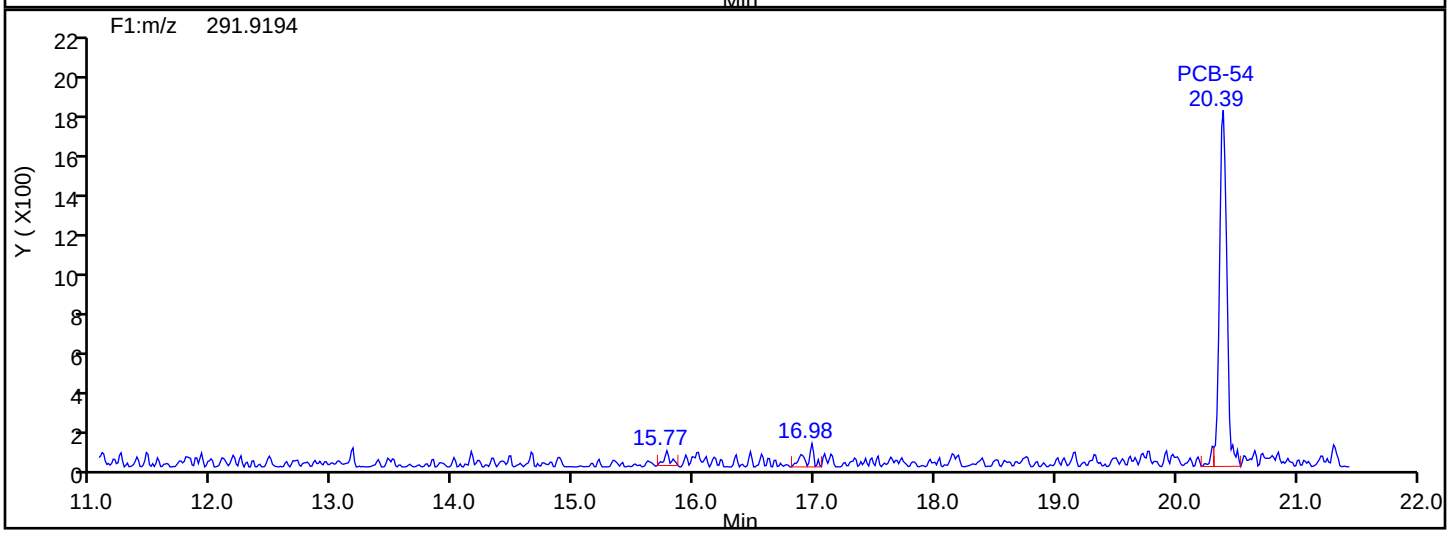
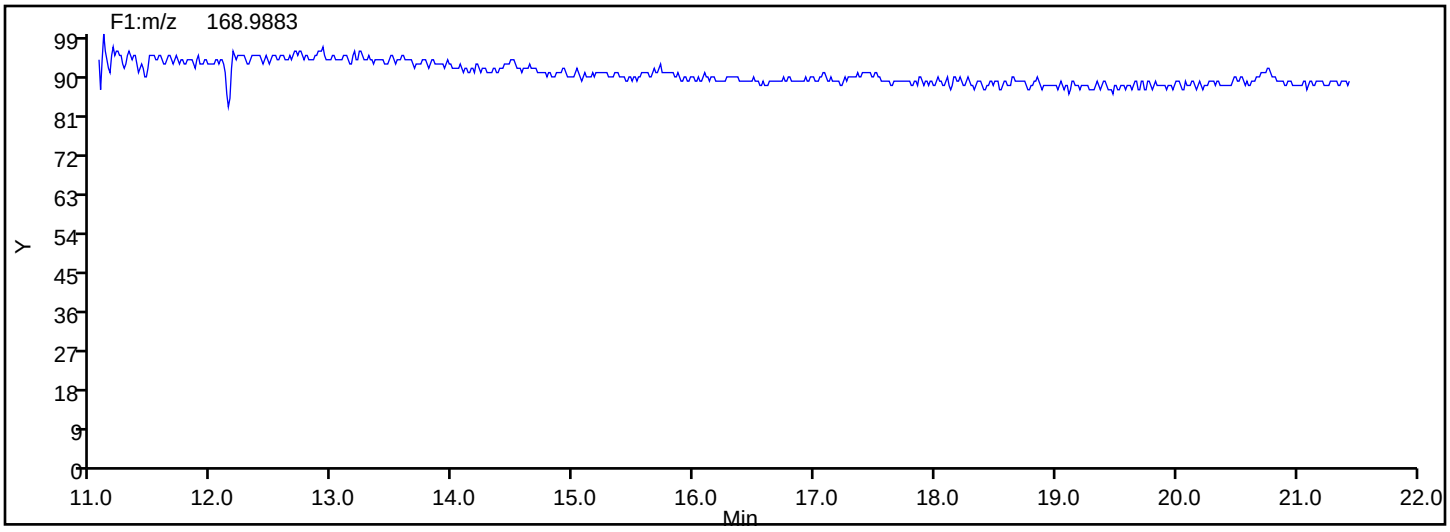
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



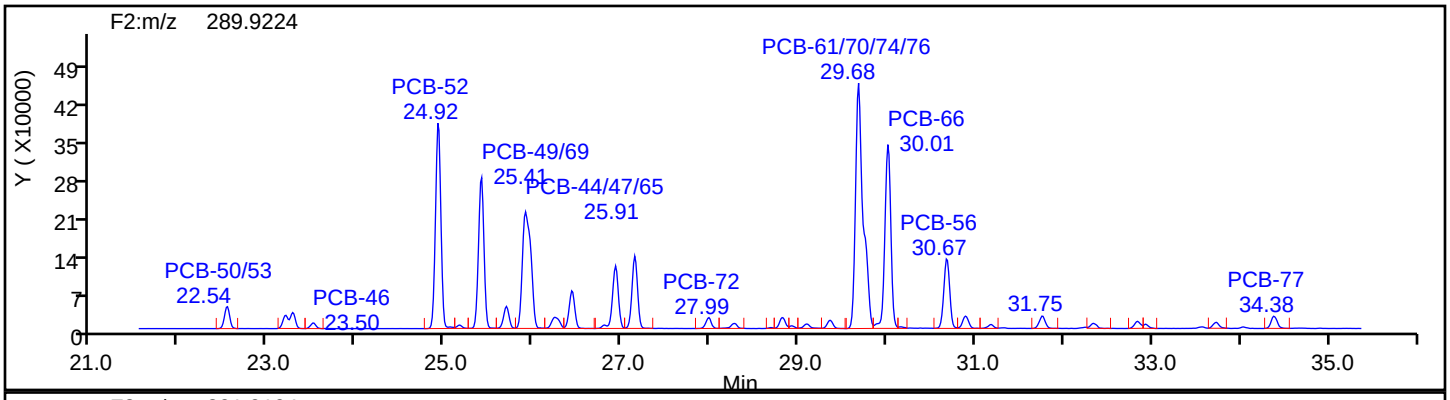

TePCB F1 Lock Mass

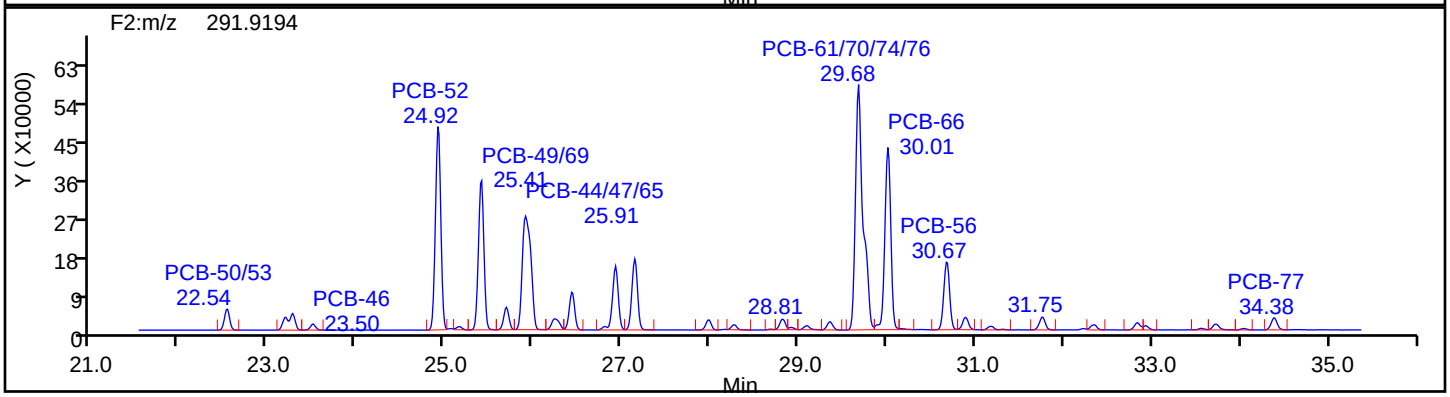


Eurofins TestAmerica, Knoxville

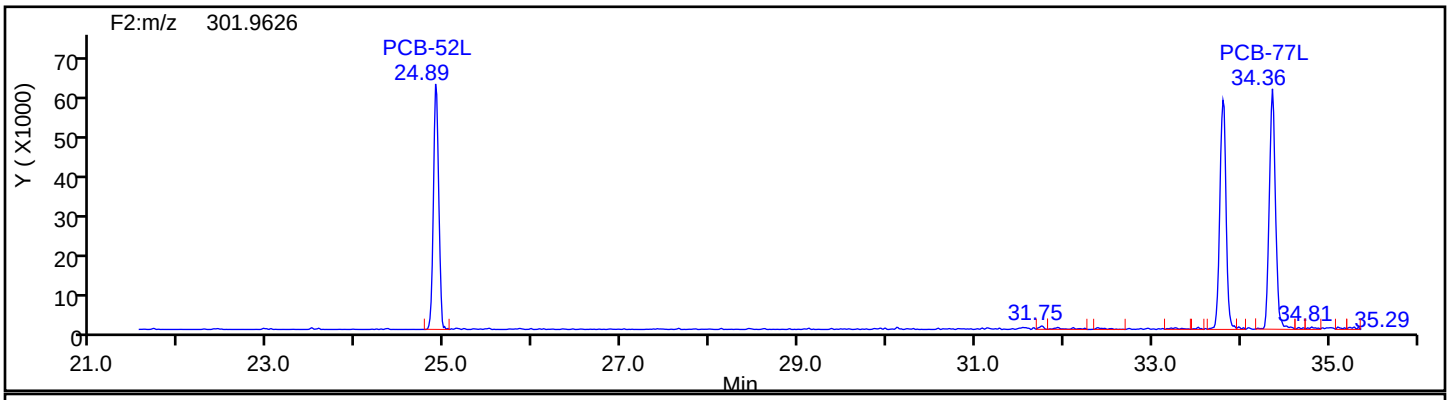
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

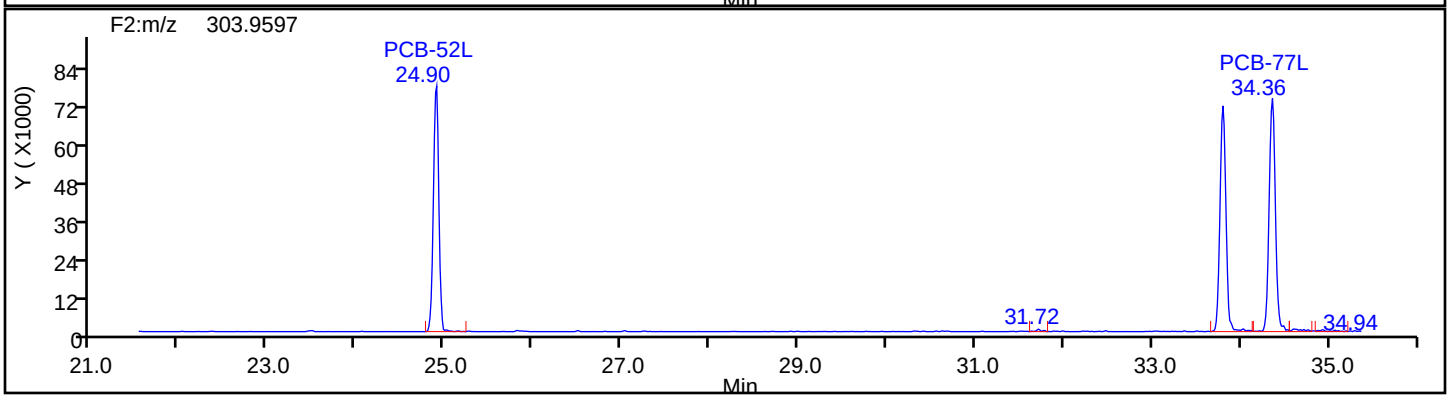
TePCB F2




TePCB F2 Standards

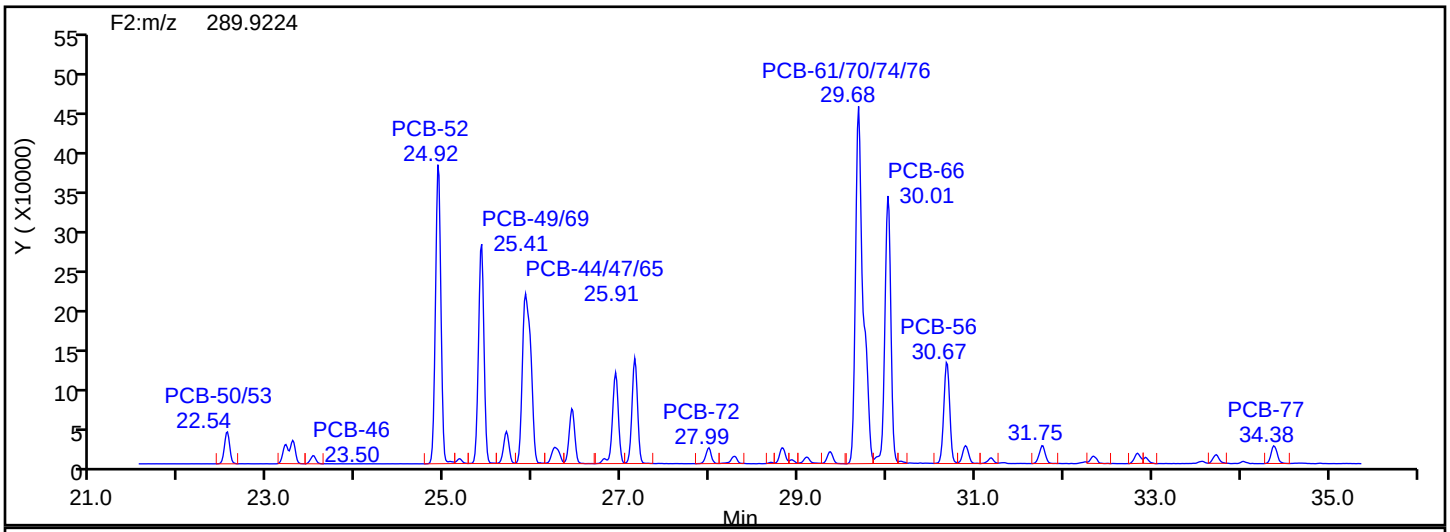


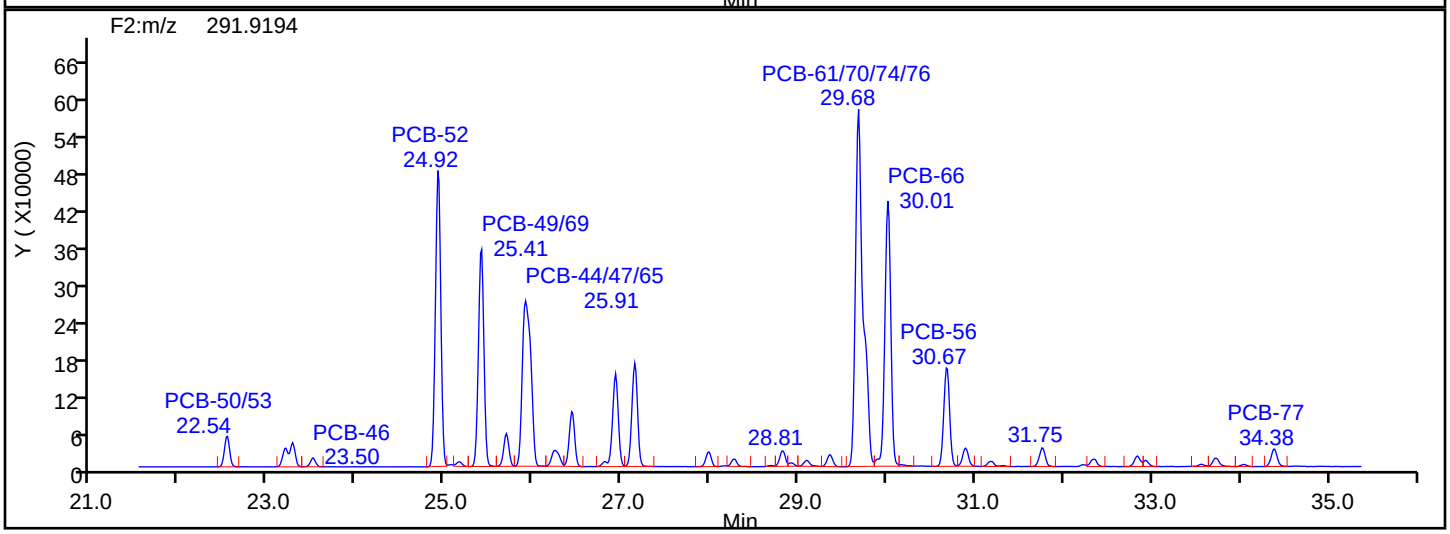



Eurofins TestAmerica, Knoxville

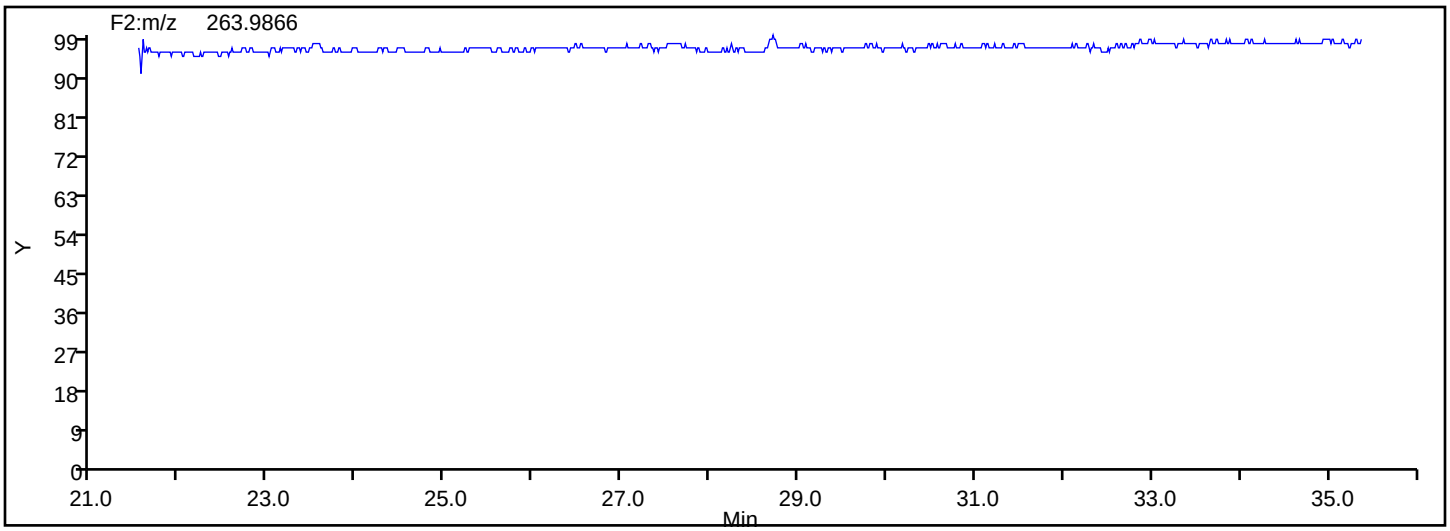
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

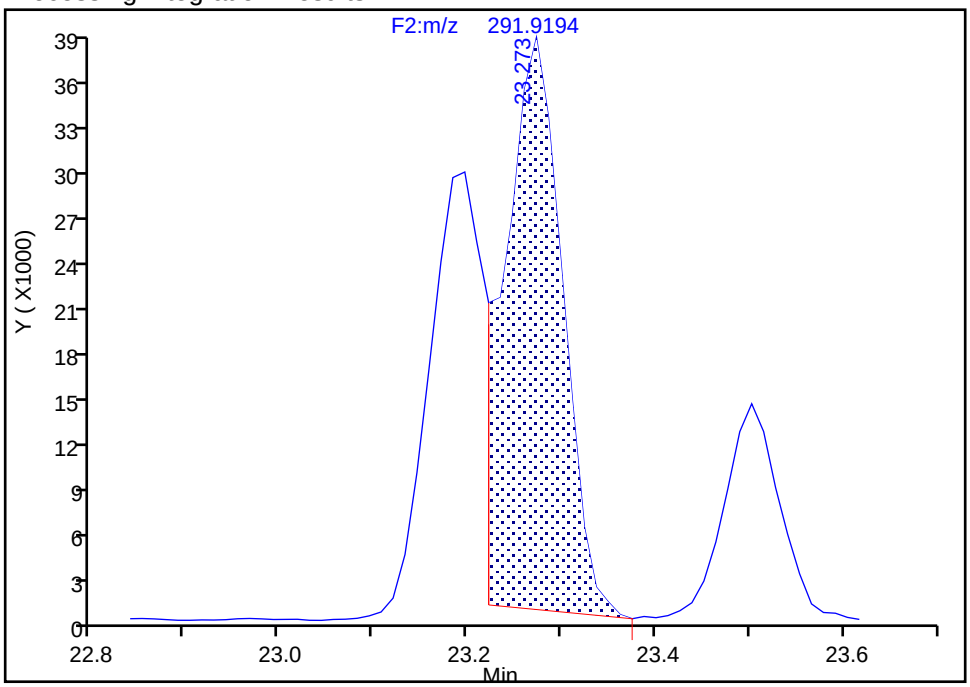
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

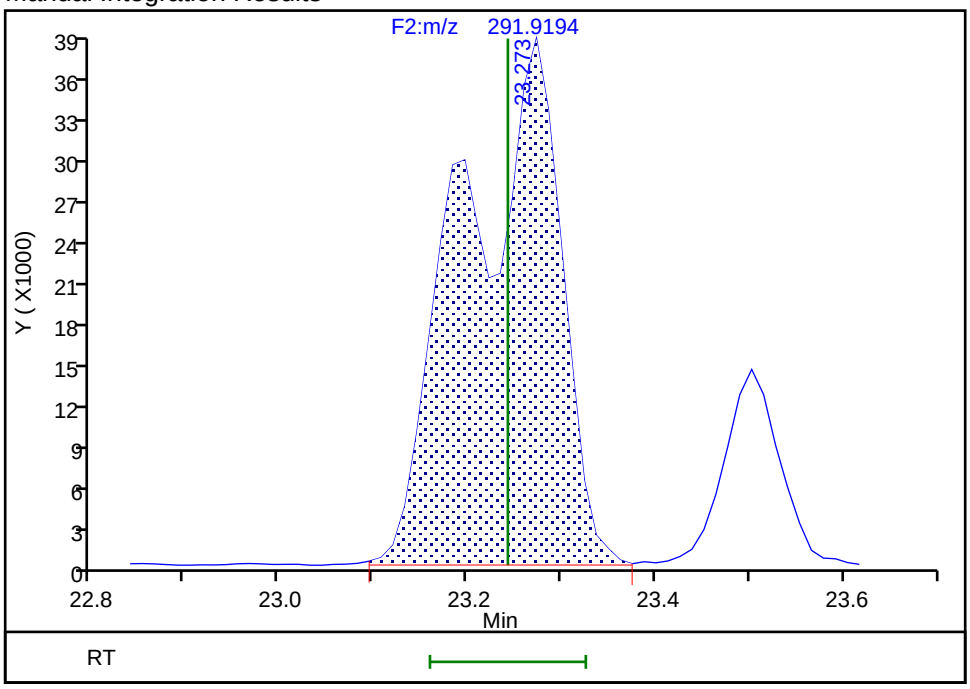
Processing Integration Results

RT: 23.27
Area: 160143
Amount: 13.118291
Amount Units: pg/ul




Manual Integration Results

RT: 23.27
Area: 281582
Amount: 17.330951
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:39:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

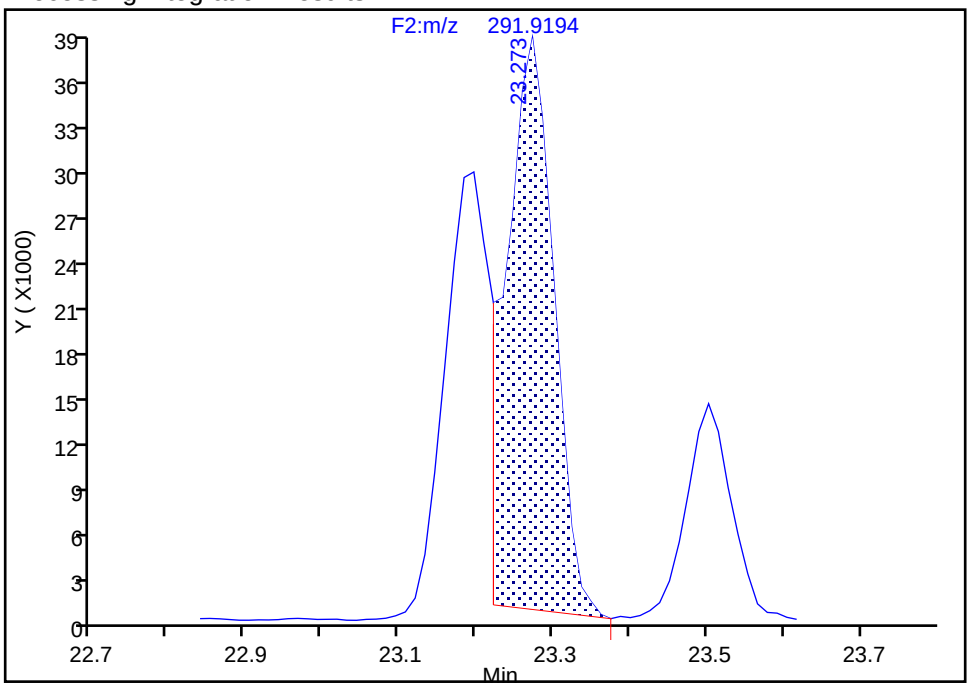
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.27
Area: 378163
Amount: 13.118291
Amount Units: pg/ul




Manual Integration Results

RT: 23.27
Area: 499602
Amount: 17.330951
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:39:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

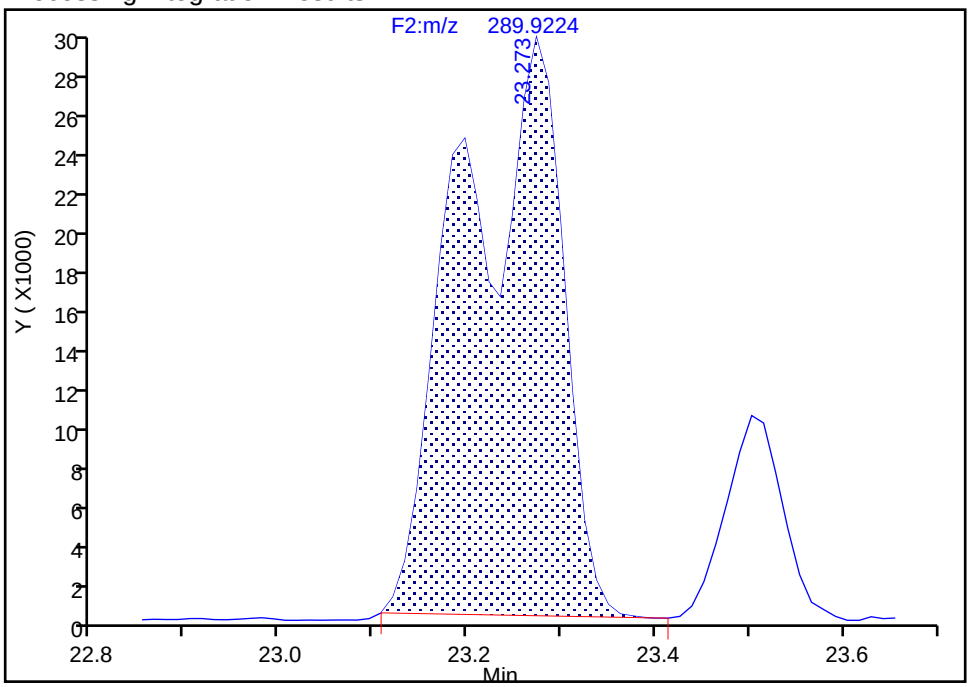
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

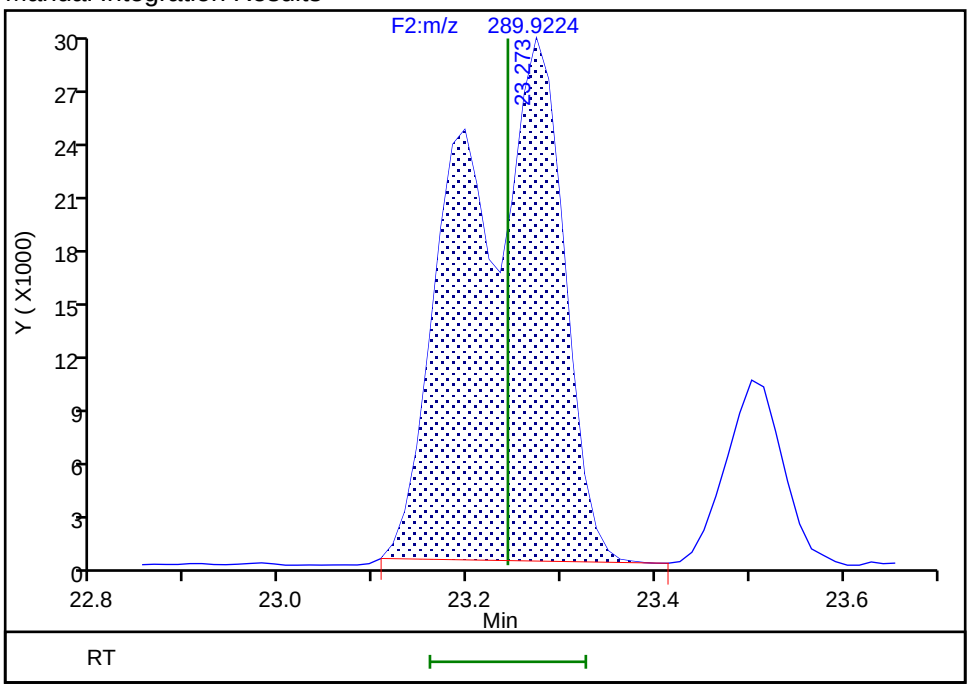
Processing Integration Results

RT: 23.27
Area: 218020
Amount: 13.118291
Amount Units: pg/ul




Manual Integration Results

RT: 23.27
Area: 218020
Amount: 17.330951
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:39:58

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

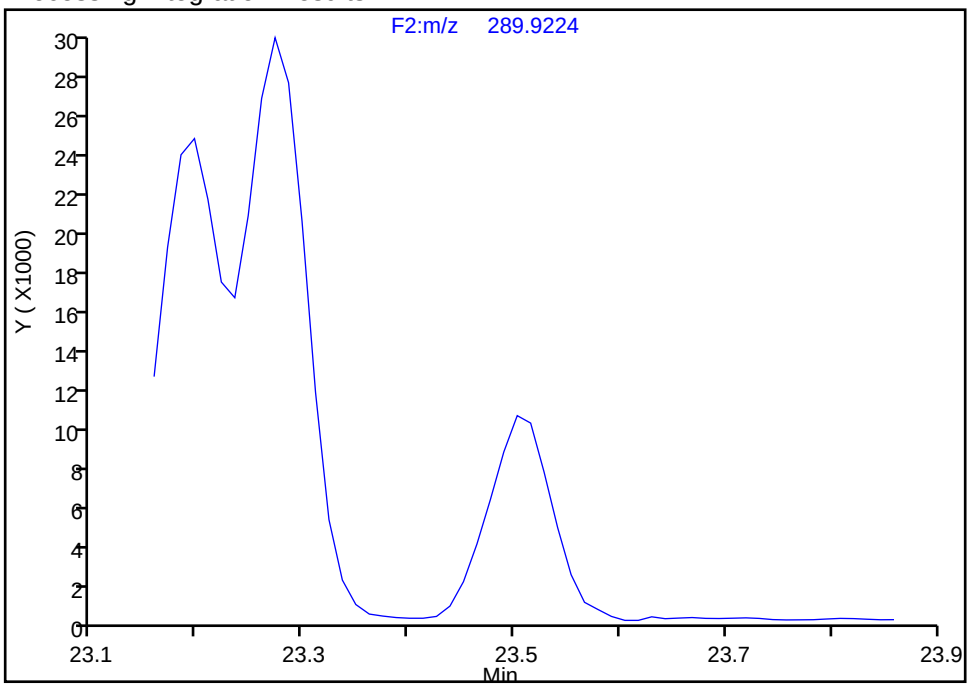
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-46, CAS: 41464-47-5

Signal: 1

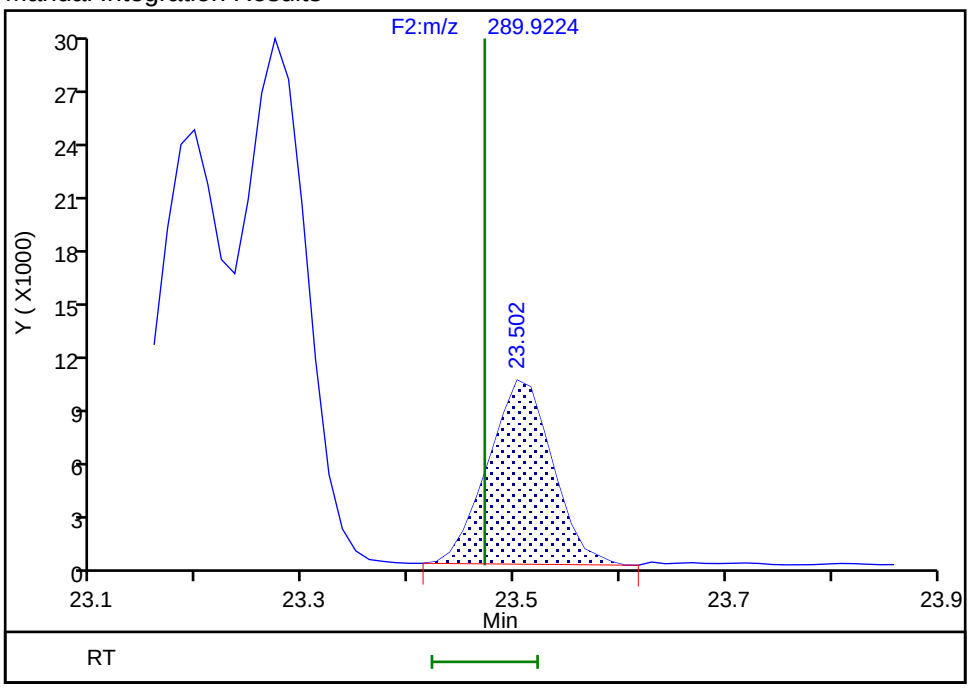
Not Detected
Expected RT: 23.47

Processing Integration Results




Manual Integration Results

RT: 23.50
Area: 43937
Amount: 4.167232
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:40:04
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

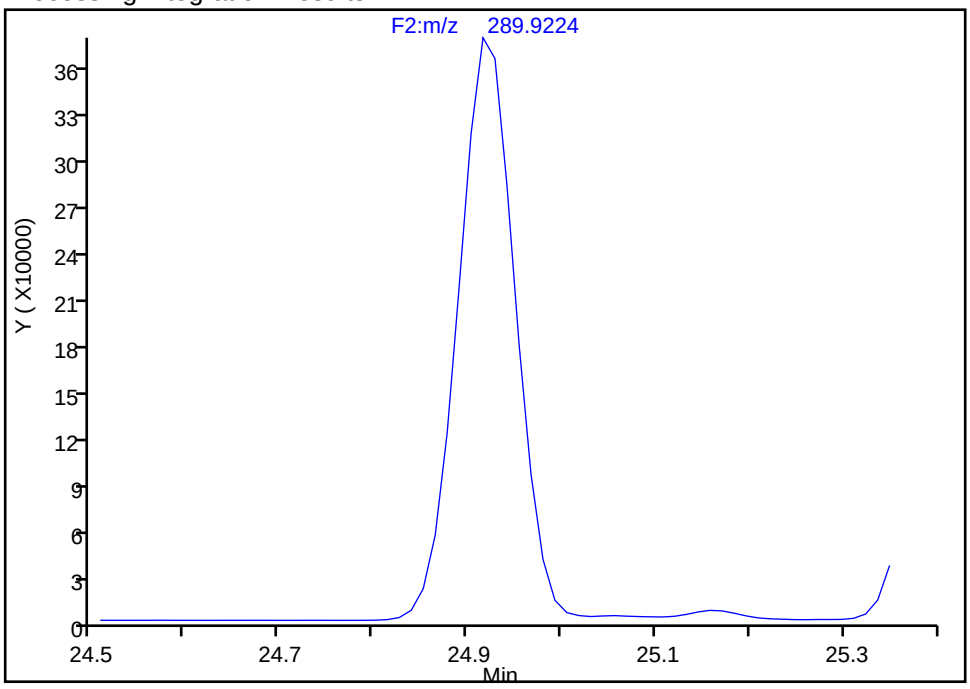
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

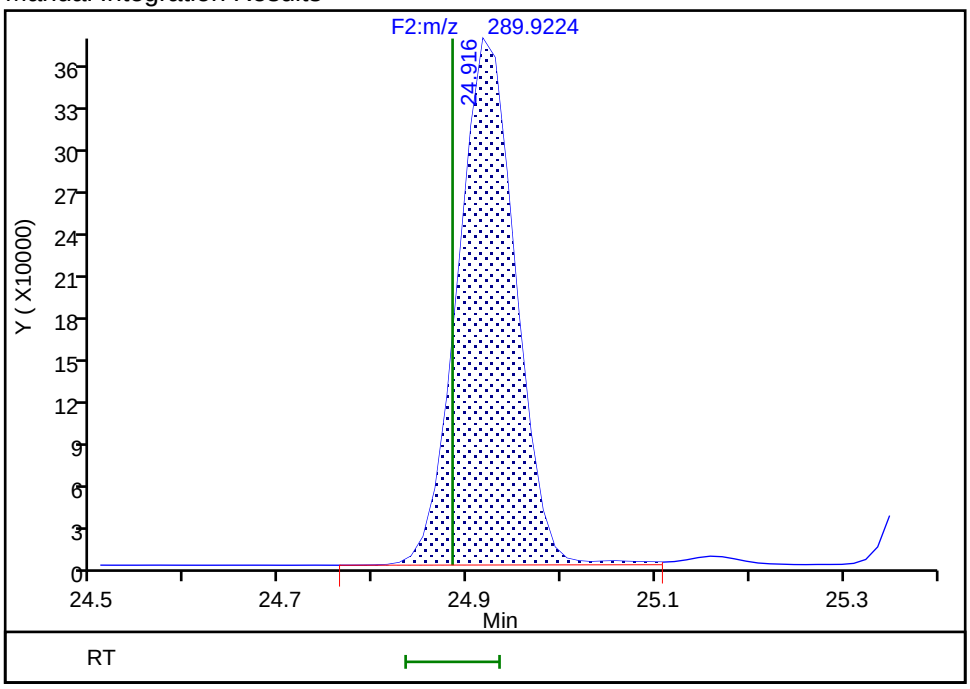
Not Detected
Expected RT: 24.88

Processing Integration Results




Manual Integration Results

RT: 24.92
Area: 1621061
Amount: 124.3973
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:40:08
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

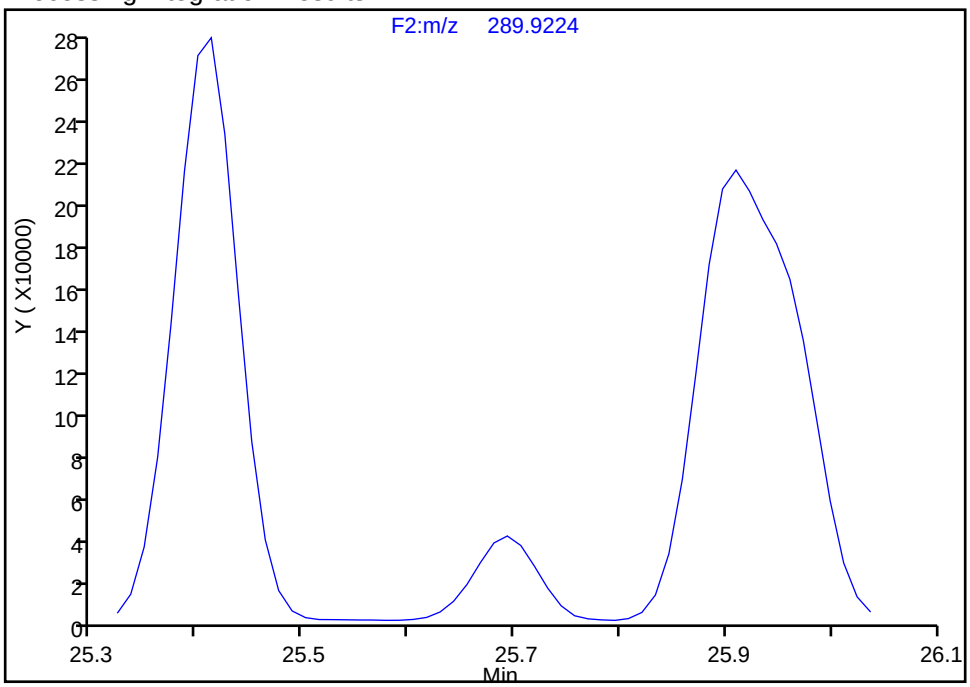
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-48, CAS: 70362-47-9

Signal: 1

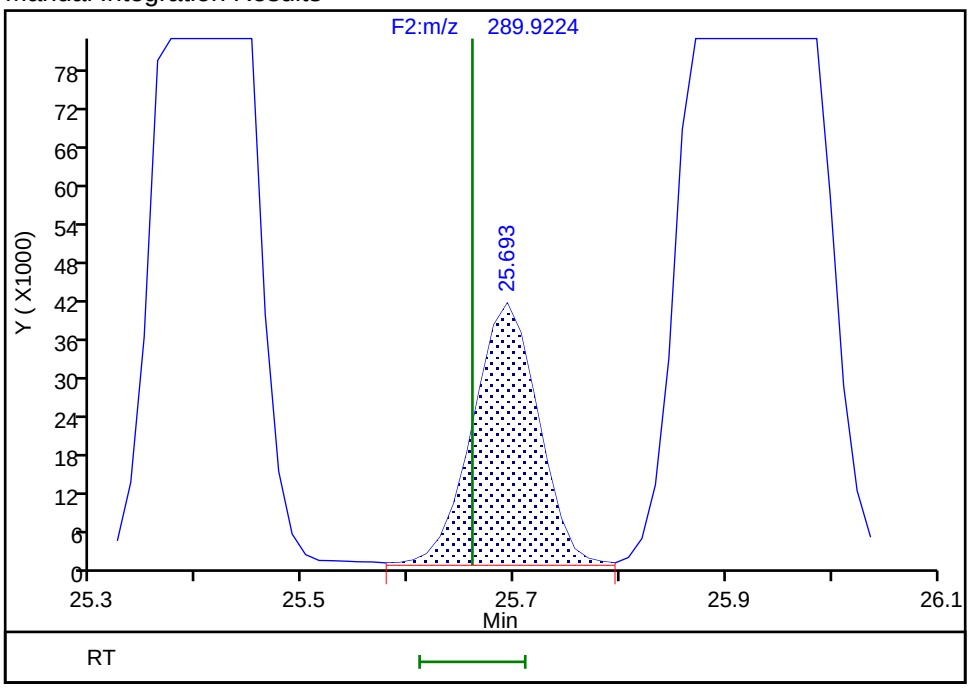
Not Detected
Expected RT: 25.66

Processing Integration Results




Manual Integration Results

RT: 25.69
Area: 175835
Amount: 12.844090
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:40:14
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

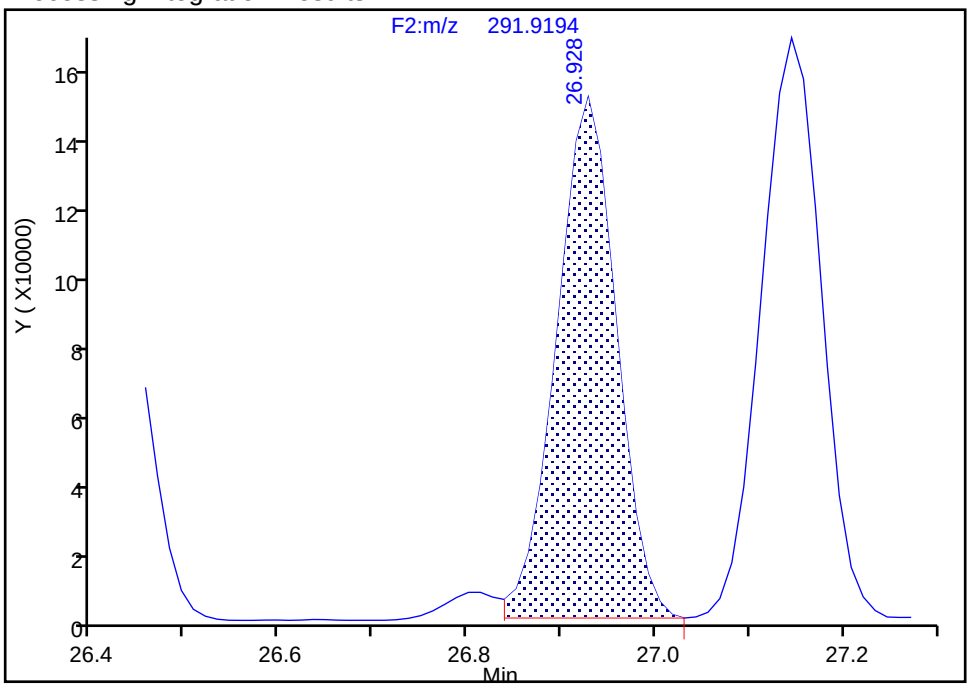
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

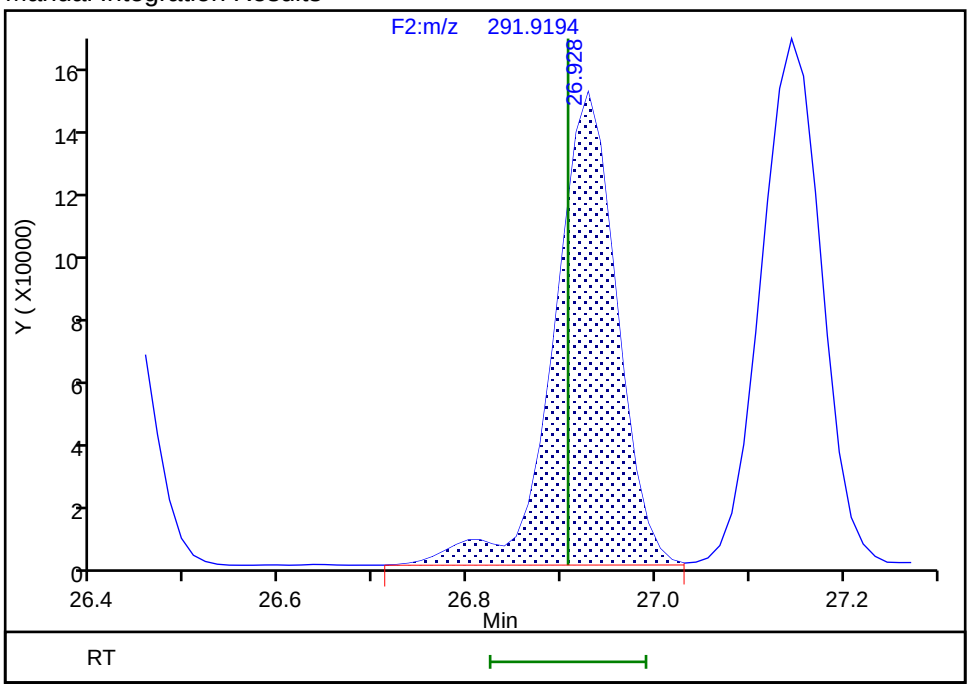
Processing Integration Results

RT: 26.93
Area: 658013
Amount: 39.474118
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 696537
Amount: 41.598355
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:28:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

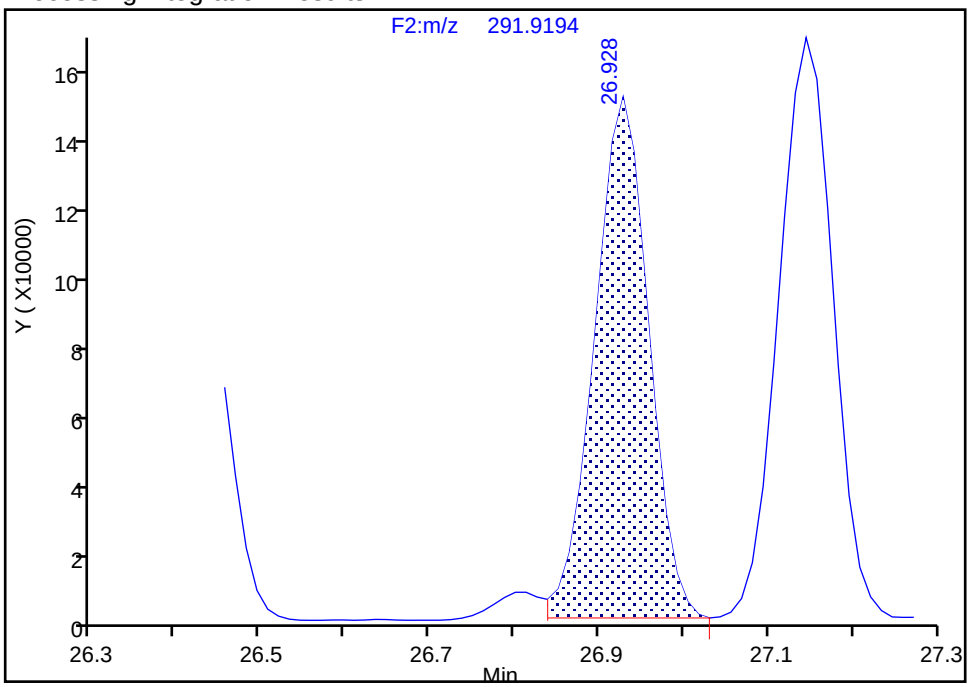
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.93
Area: 1180189
Amount: 39.474118
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 1243699
Amount: 41.598355
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 21:28:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

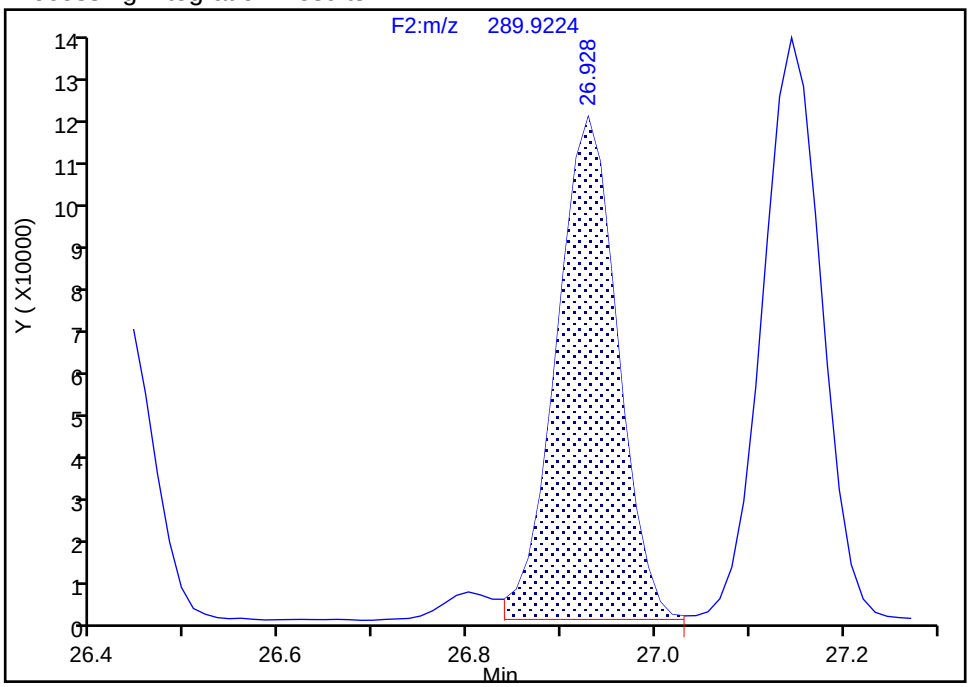
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

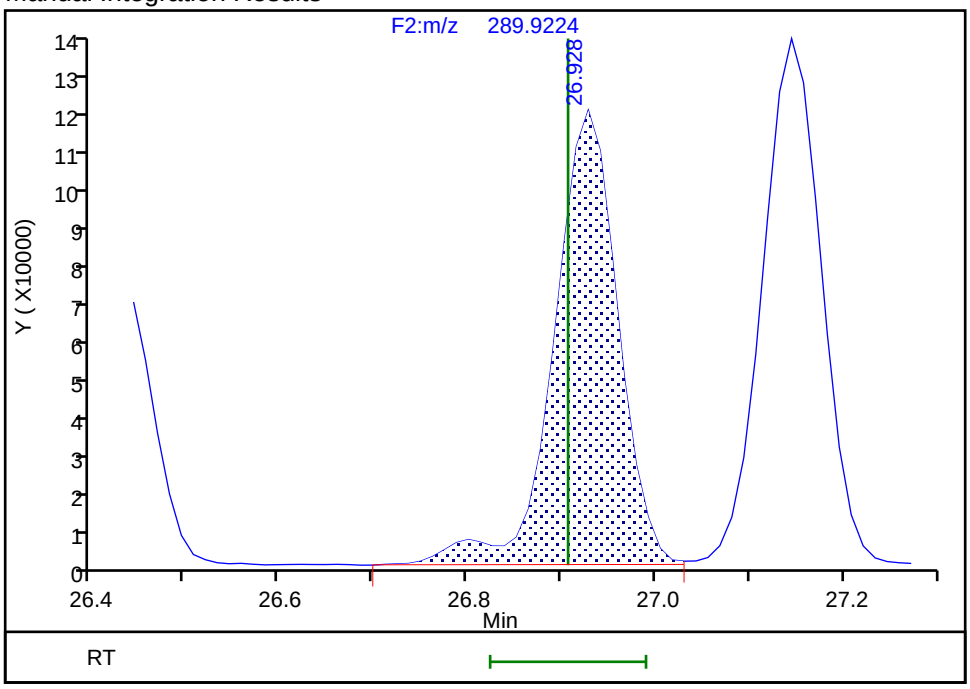
Processing Integration Results

RT: 26.93
Area: 522176
Amount: 39.474118
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 547162
Amount: 41.598355
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:28:18

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

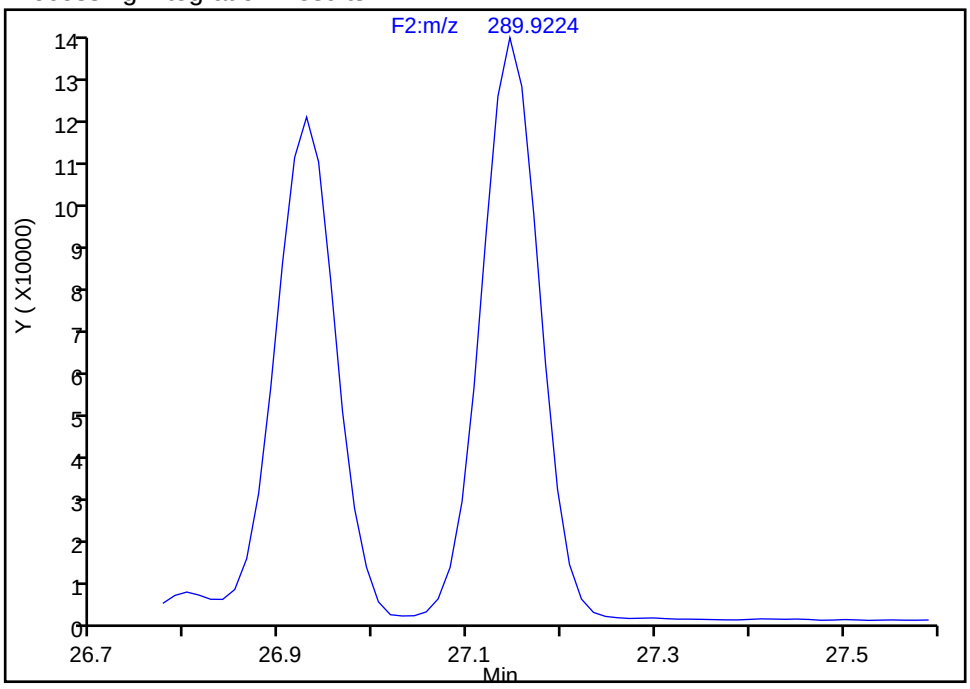
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

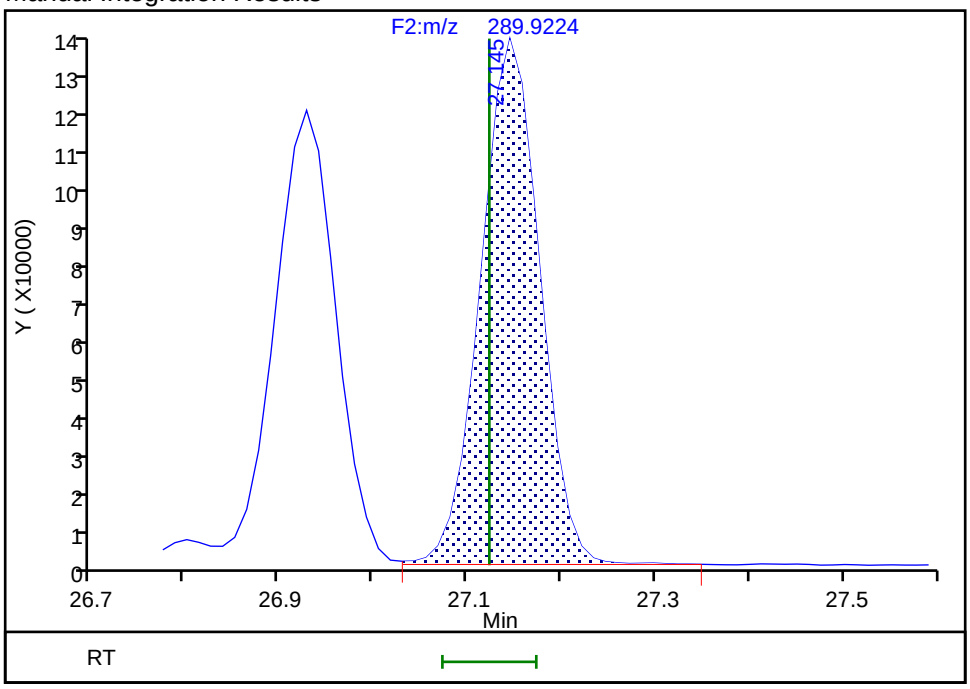
Not Detected
Expected RT: 27.12

Processing Integration Results




Manual Integration Results

RT: 27.14
Area: 584689
Amount: 28.813875
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:28:21
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

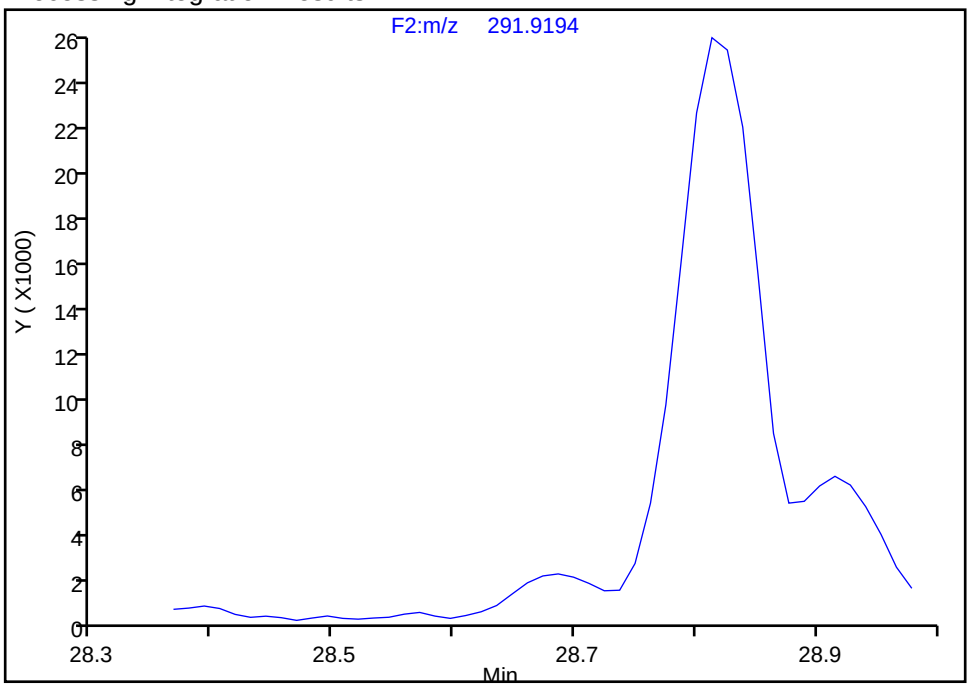
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 2

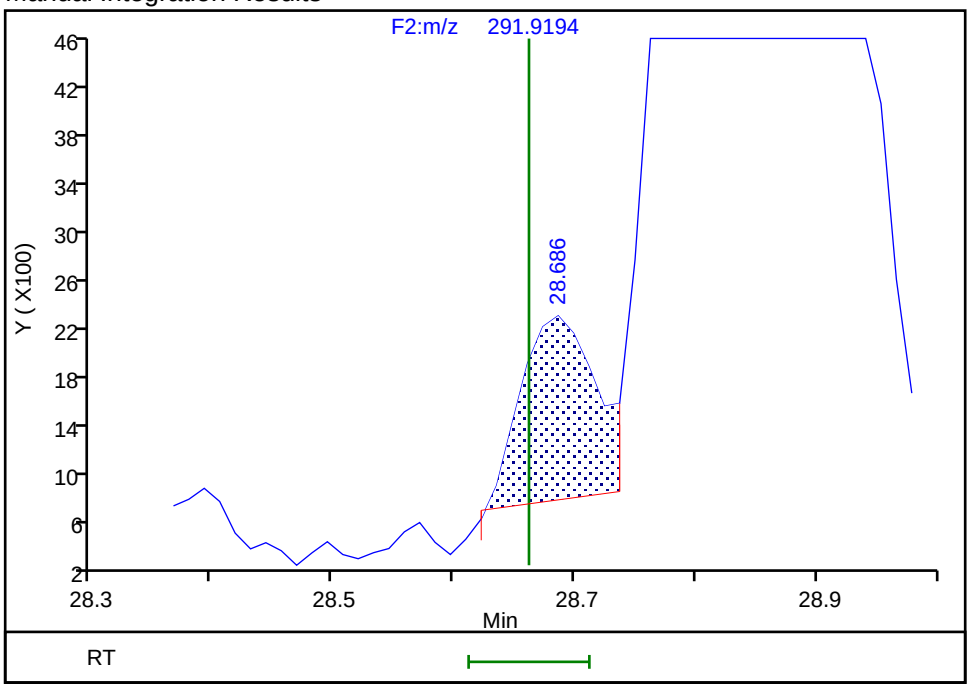
Not Detected
Expected RT: 28.66

Processing Integration Results




Manual Integration Results

RT: 28.69
Area: 6362
Amount: 0.270362
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:29:17
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

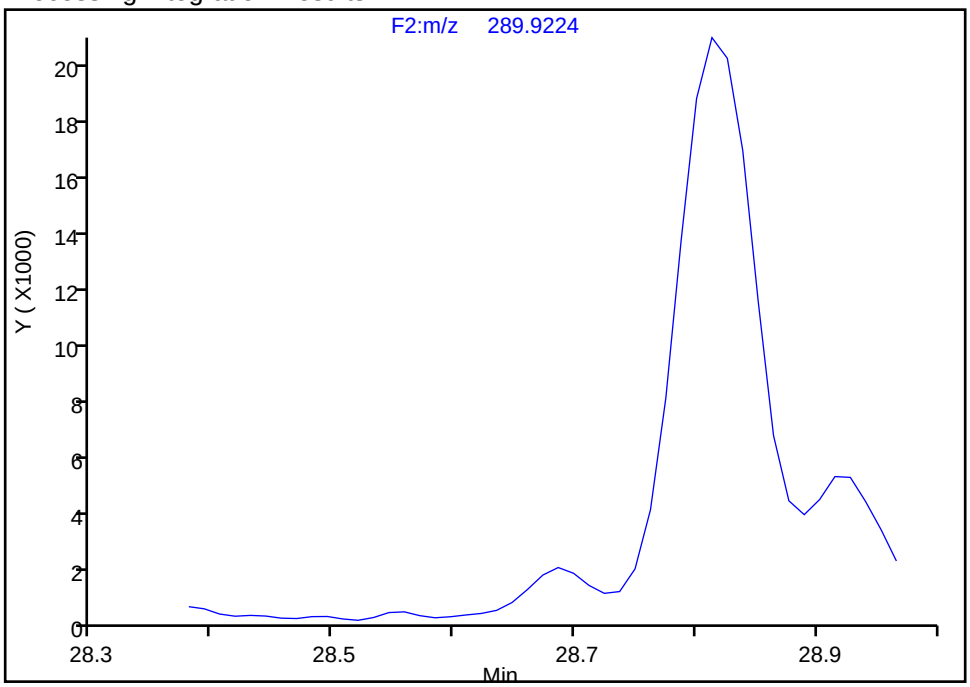
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 1

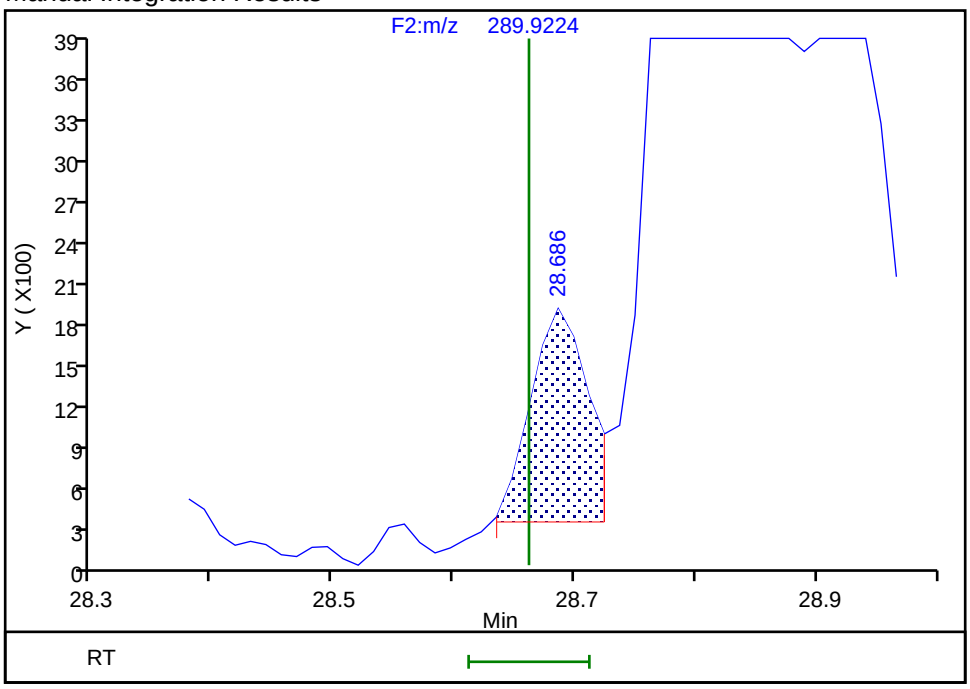
Not Detected
Expected RT: 28.66

Processing Integration Results




Manual Integration Results

RT: 28.69
Area: 4925
Amount: 0.270362
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:29:23
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

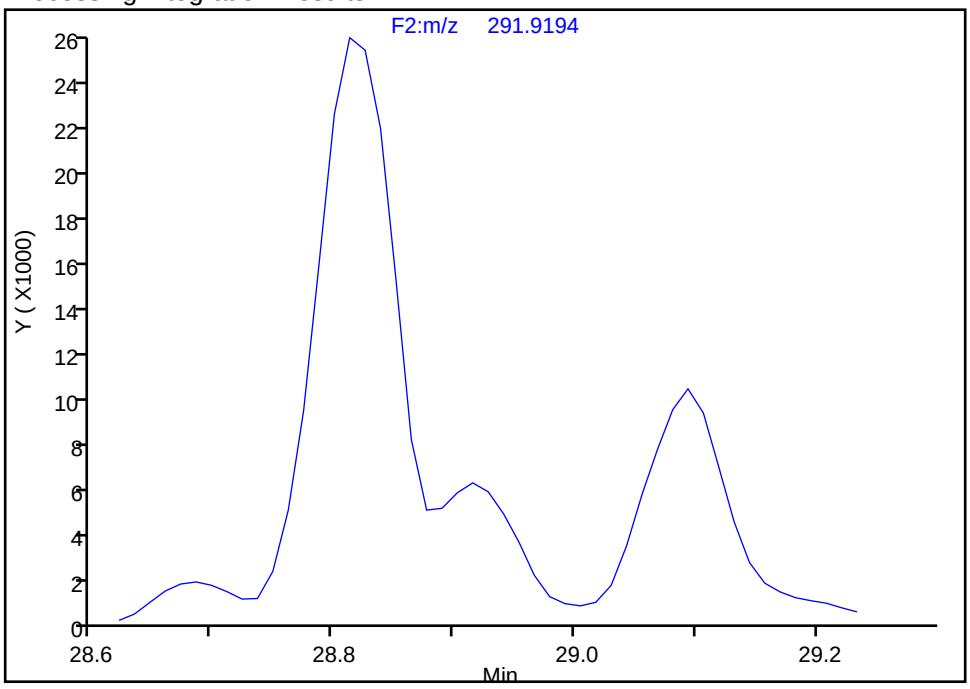
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

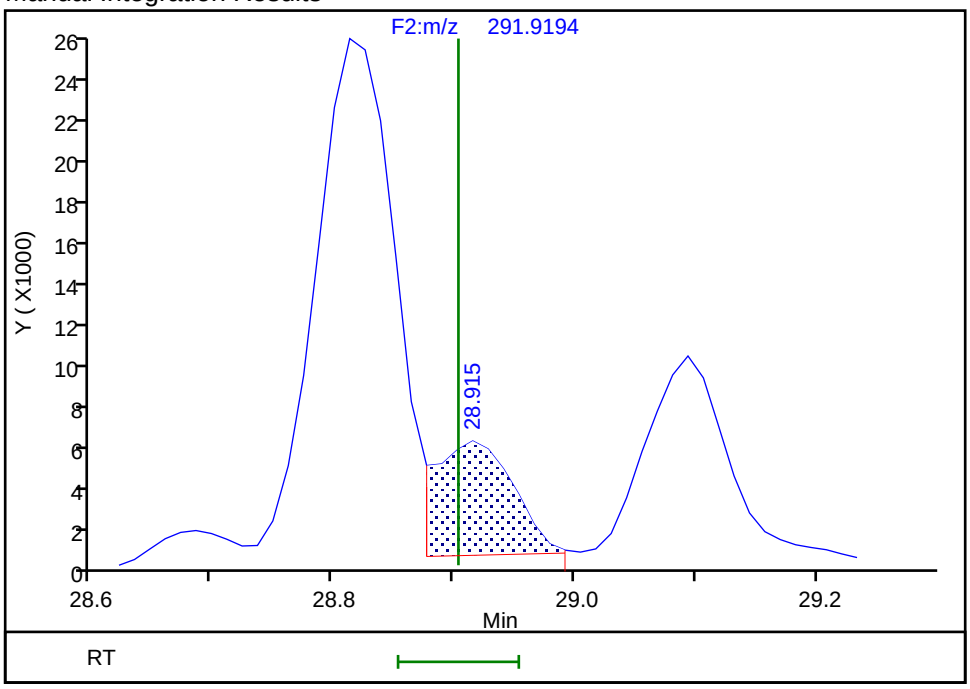
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.92
Area: 23589
Amount: 0.977892
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:29:28
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

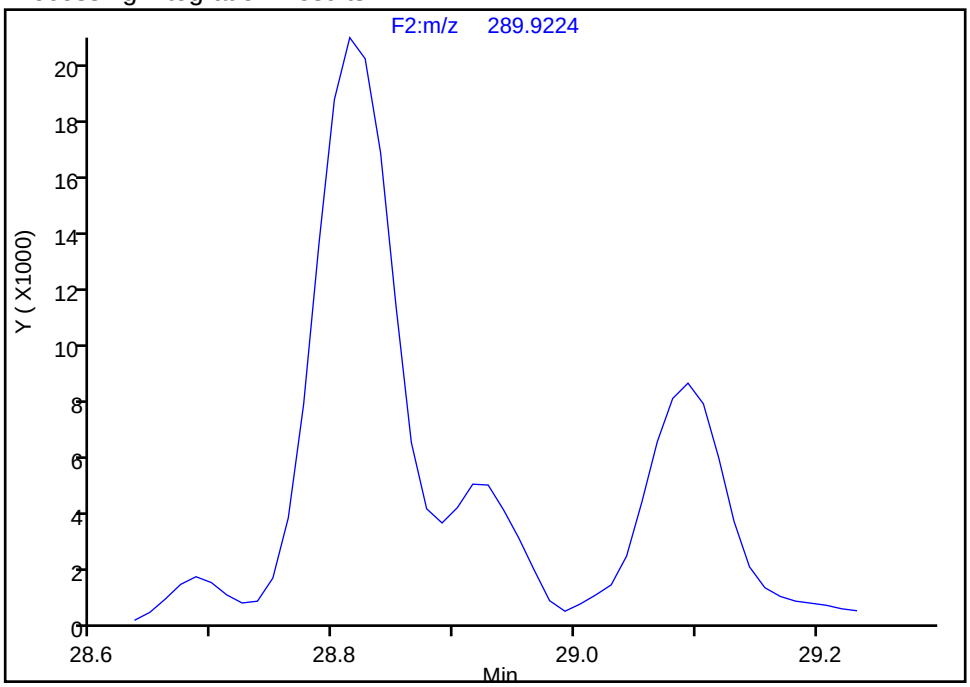
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

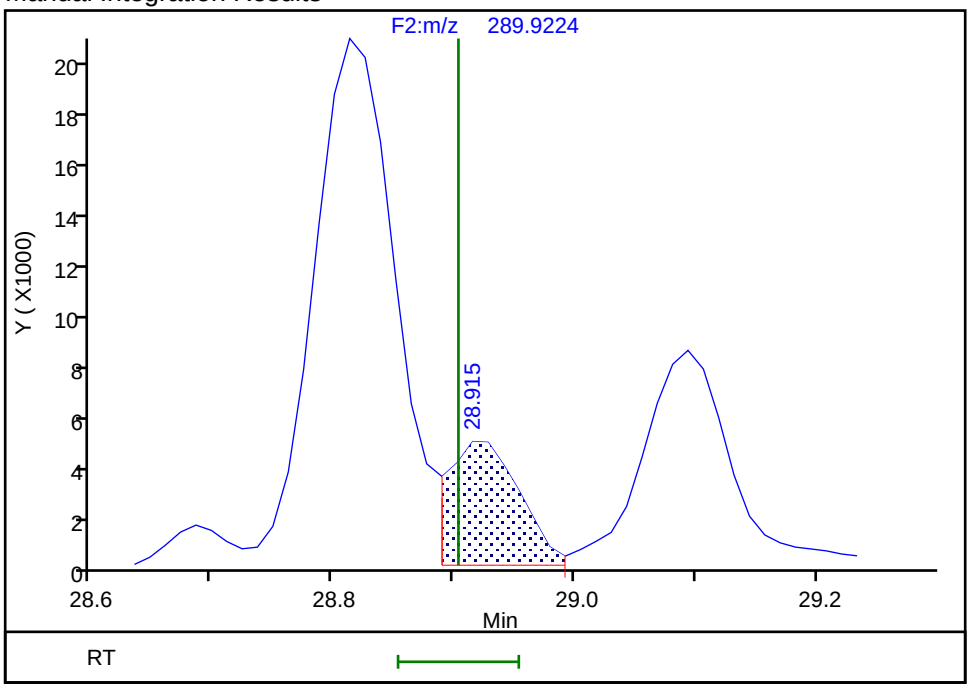
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.92
Area: 18499
Amount: 0.977892
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:29:32
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

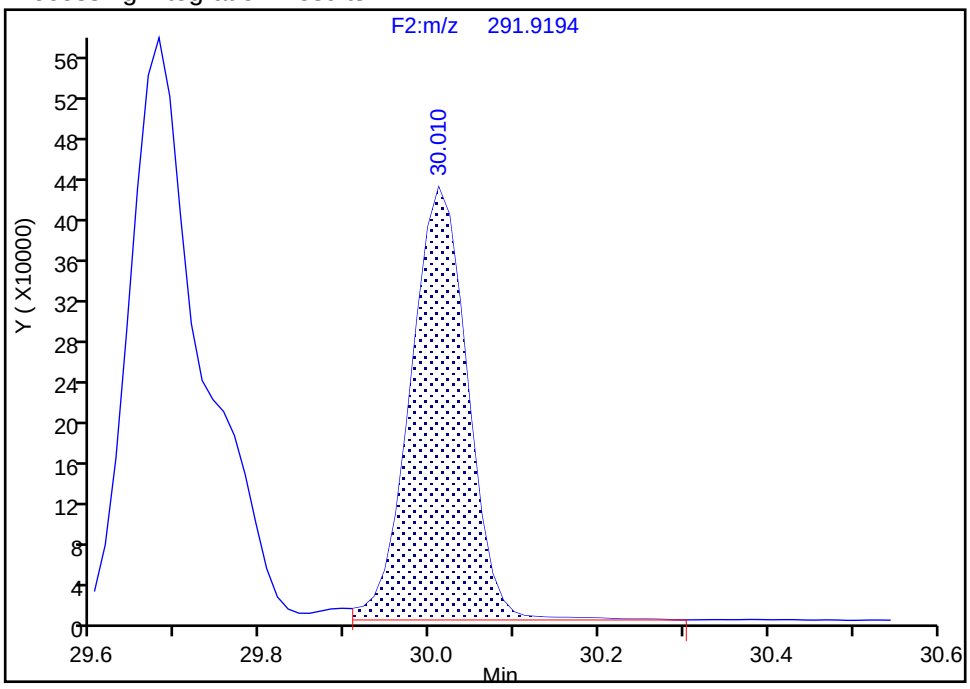
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

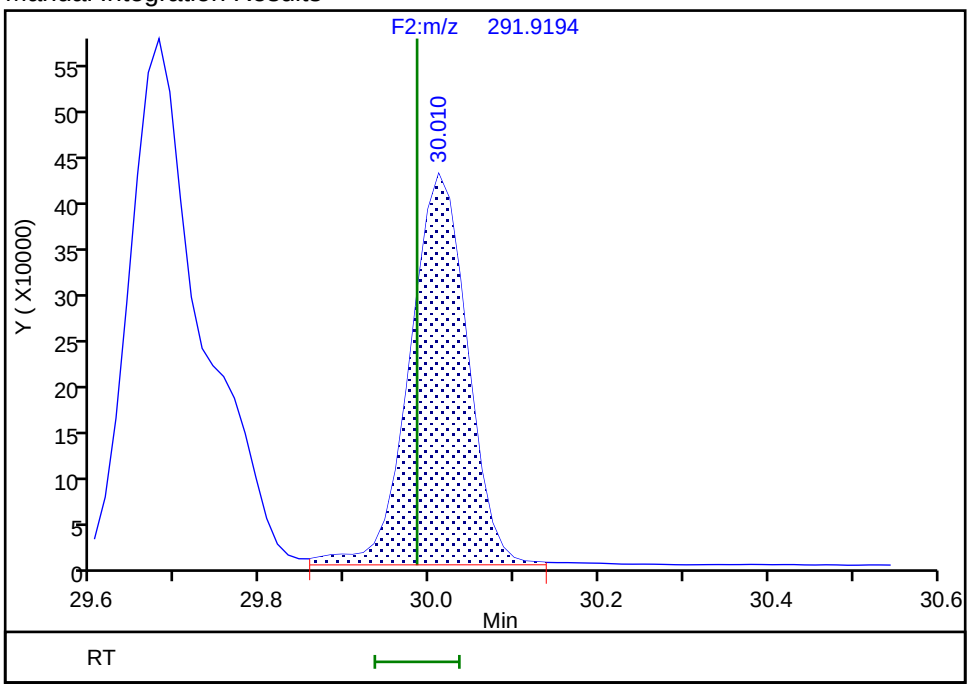
Processing Integration Results

RT: 30.01
Area: 1999490
Amount: 86.772993
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 2016272
Amount: 86.842886
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:30:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

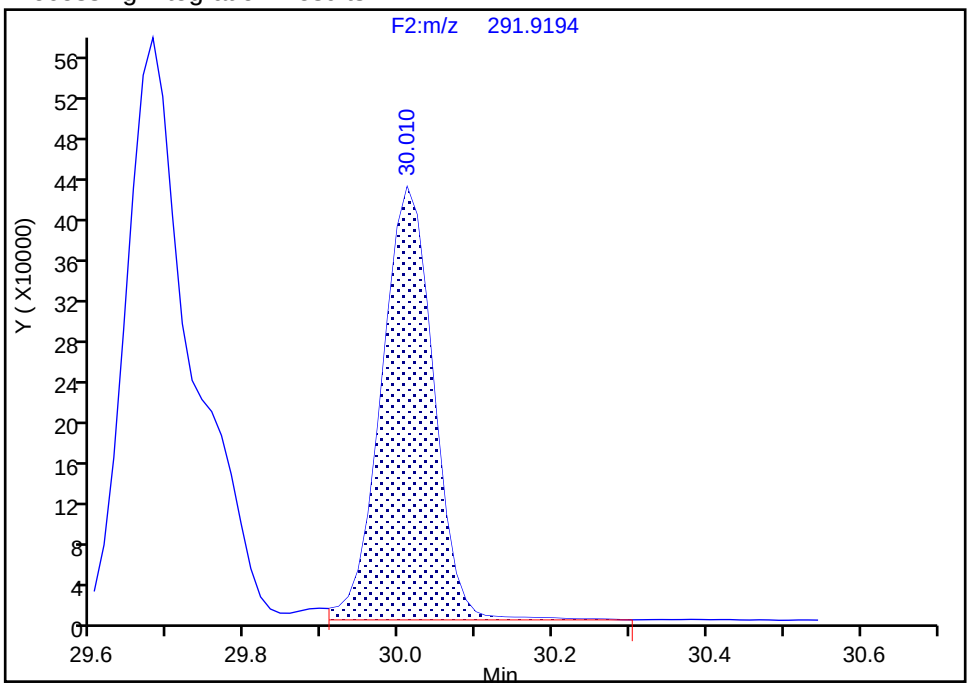
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 30.01
Area: 3617717
Amount: 86.772993
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 3620631
Amount: 86.842886
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 21:30:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

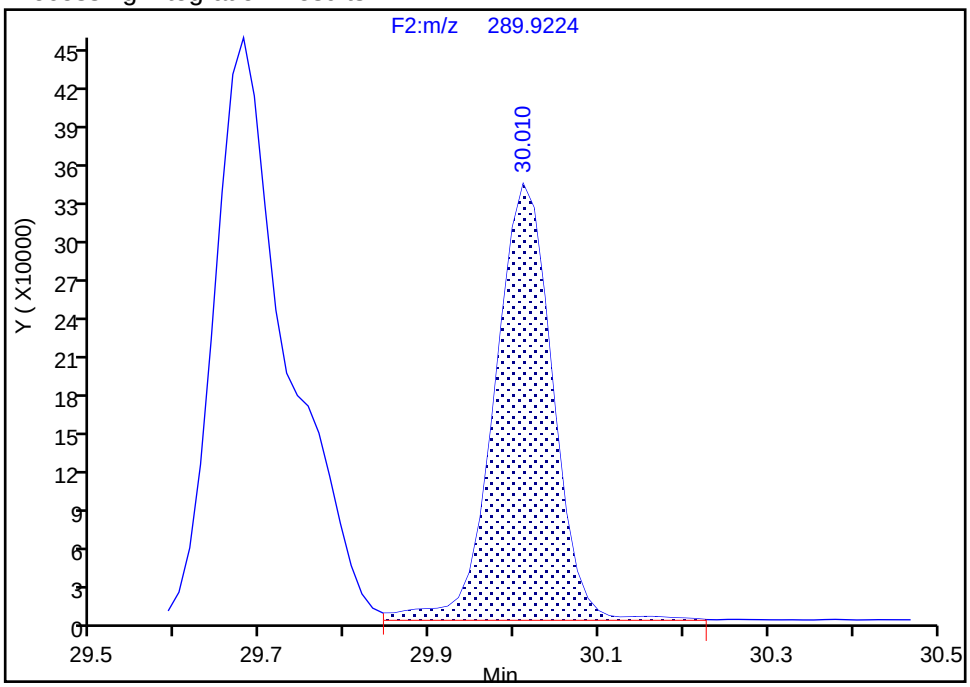
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

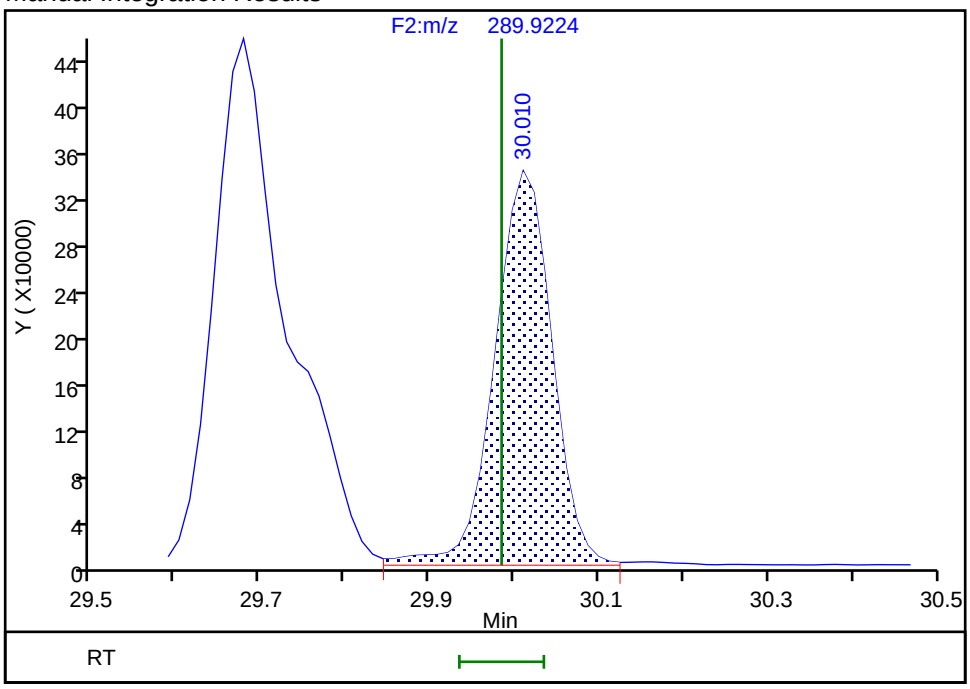
Processing Integration Results

RT: 30.01
Area: 1618227
Amount: 86.772993
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 1604359
Amount: 86.842886
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:30:20

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

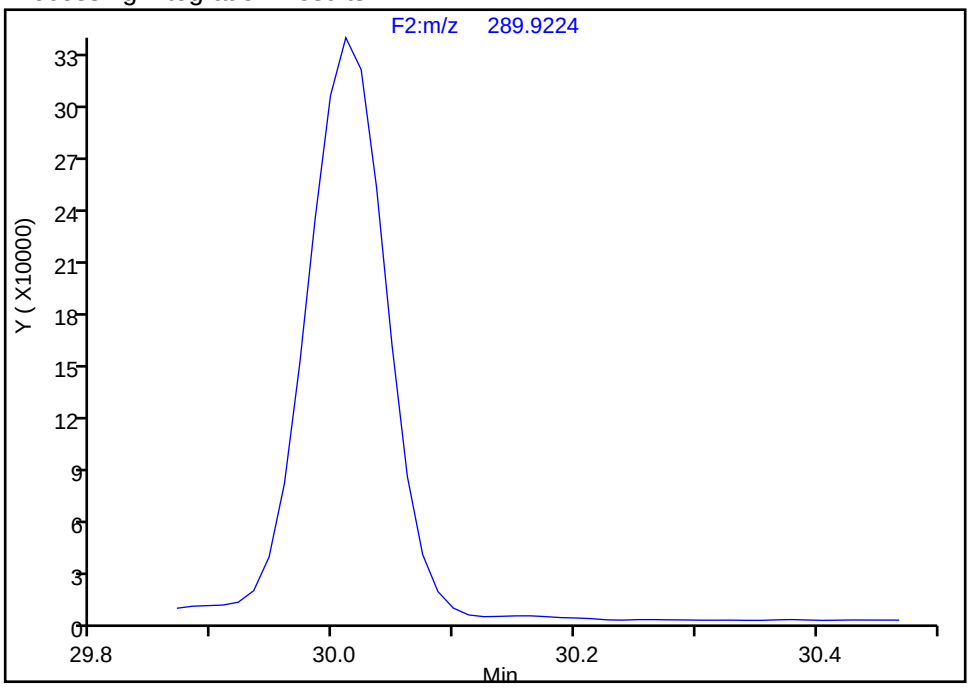
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

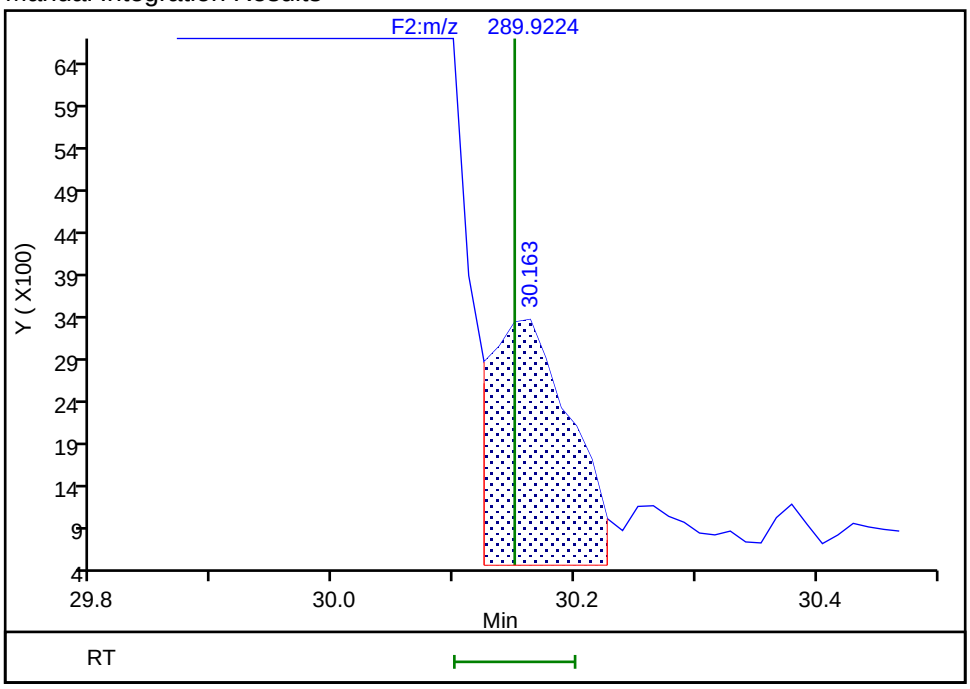
Not Detected
Expected RT: 30.15

Processing Integration Results




Manual Integration Results

RT: 30.16
Area: 13019
Amount: 0.623134
Amount Units: pg/ul



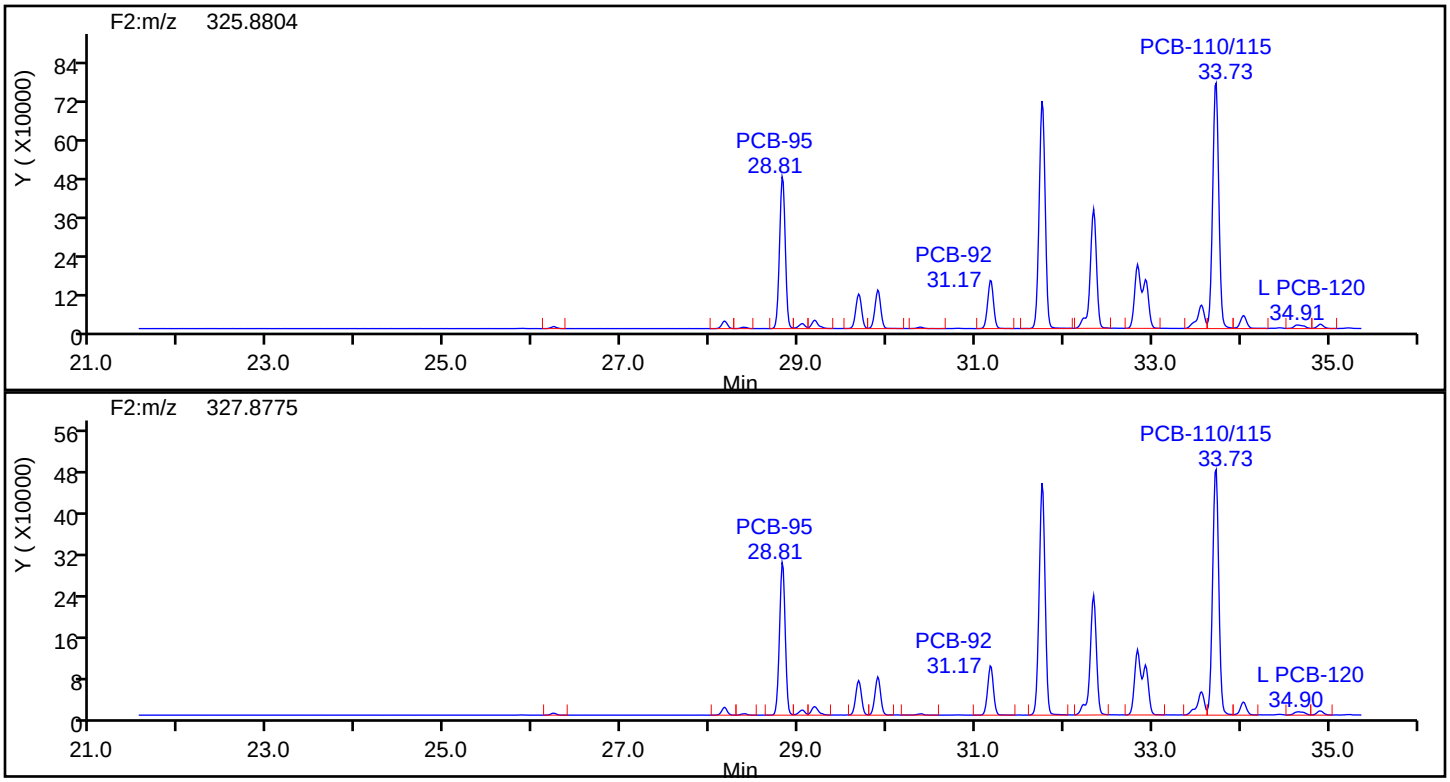

Reviewer: mcwhirterl, 03-Oct-2019 21:30:23
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 04-Oct-2019 00:05:05 Chrom Revision: 2.3 17-Sep-2019 16:19:08

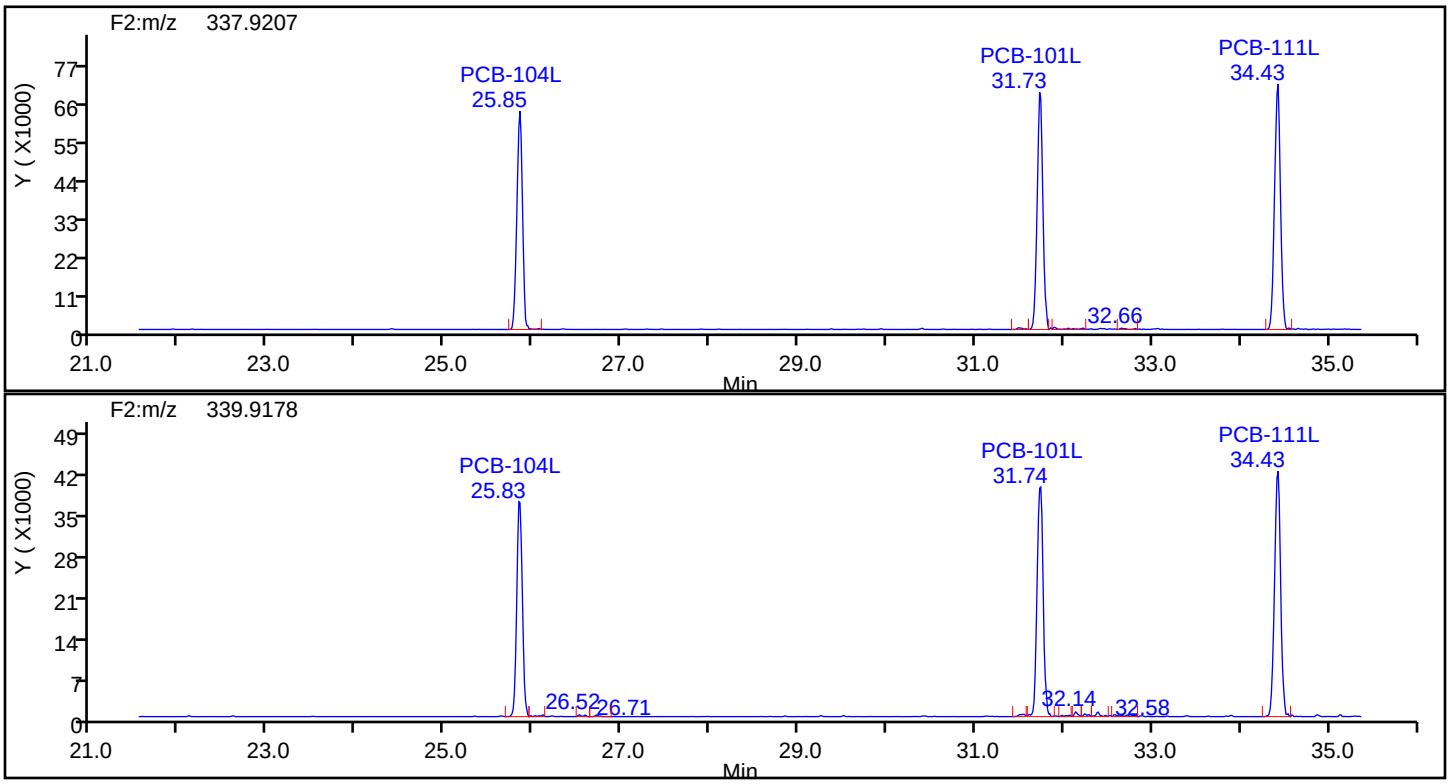
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Standards

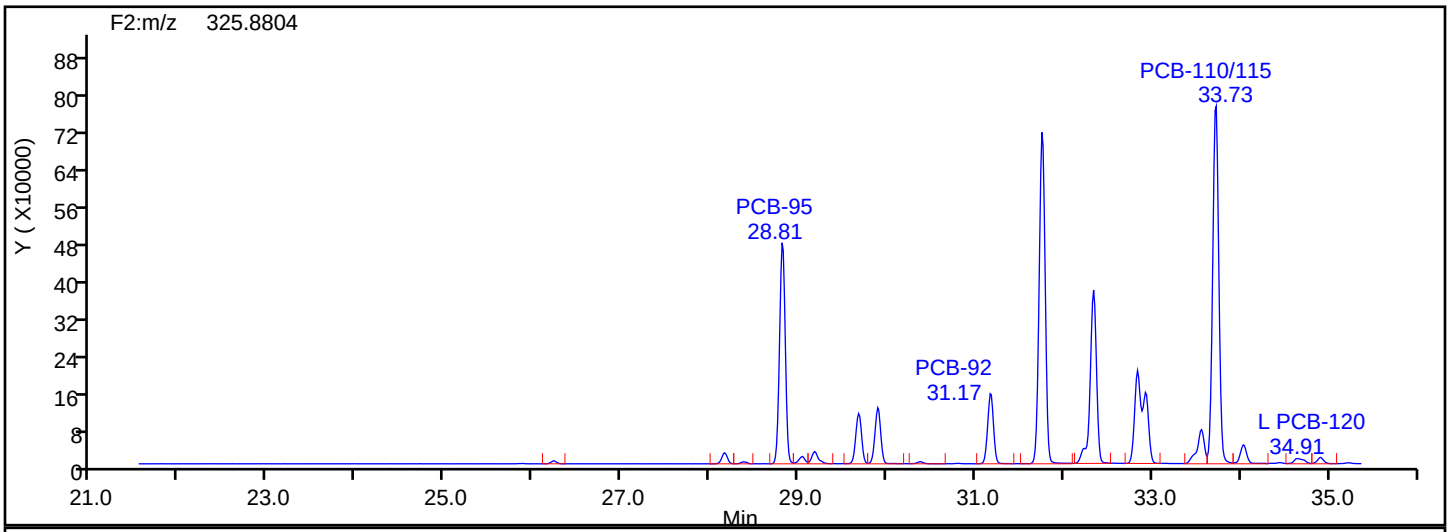


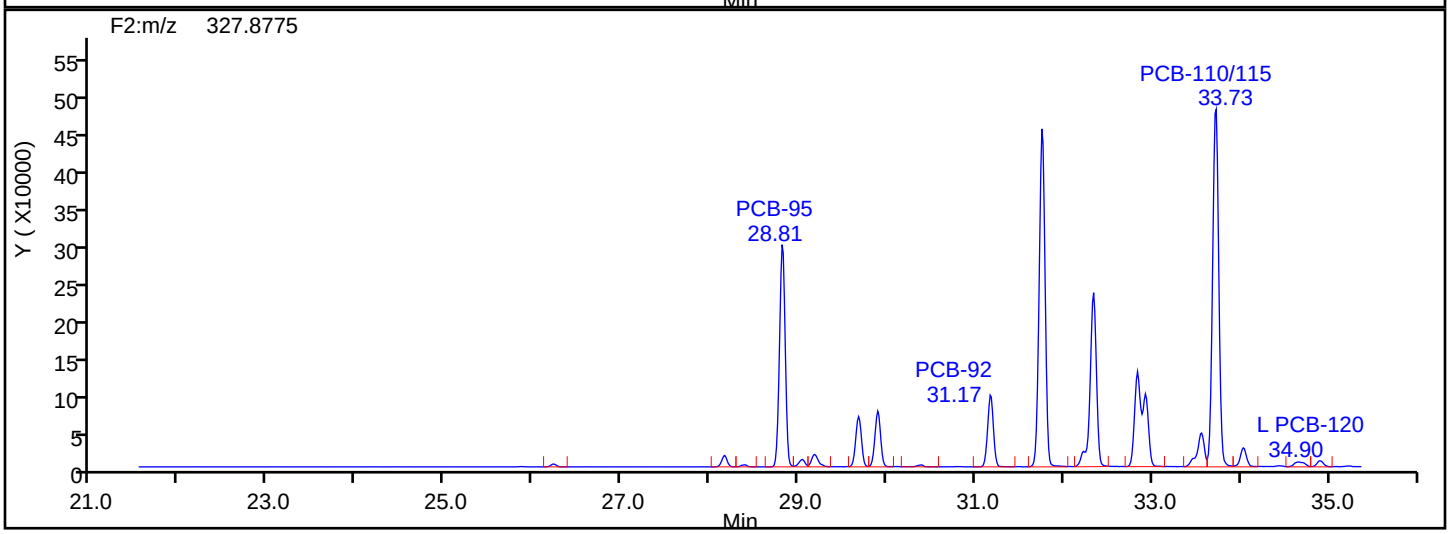
Report Date: 04-Oct-2019 00:05:05 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

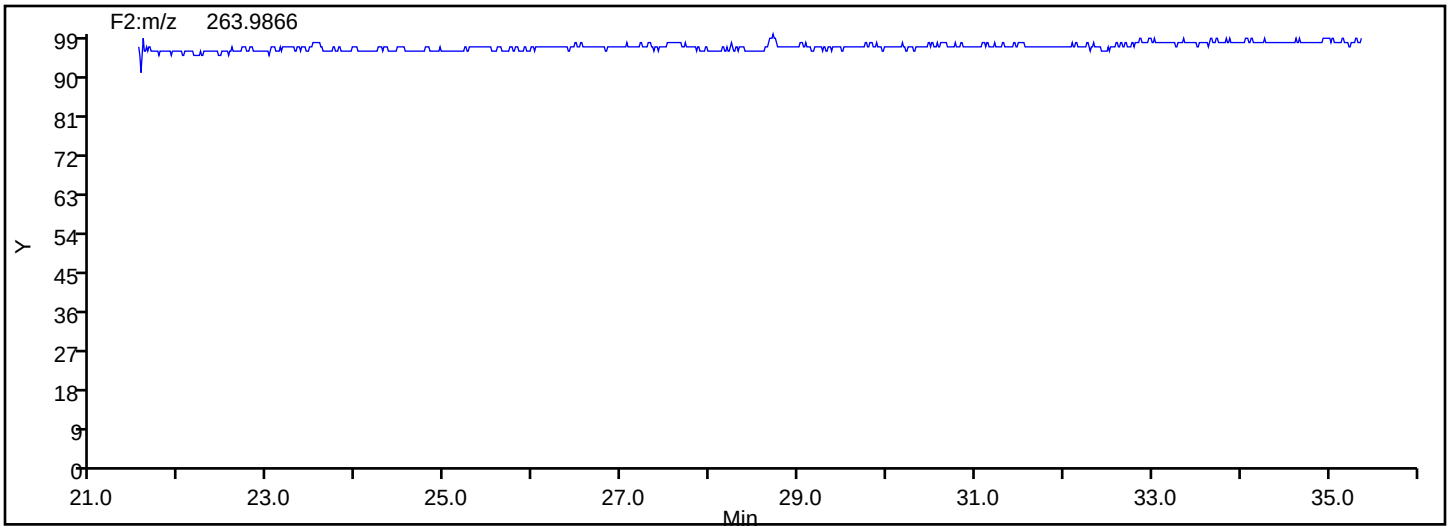
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

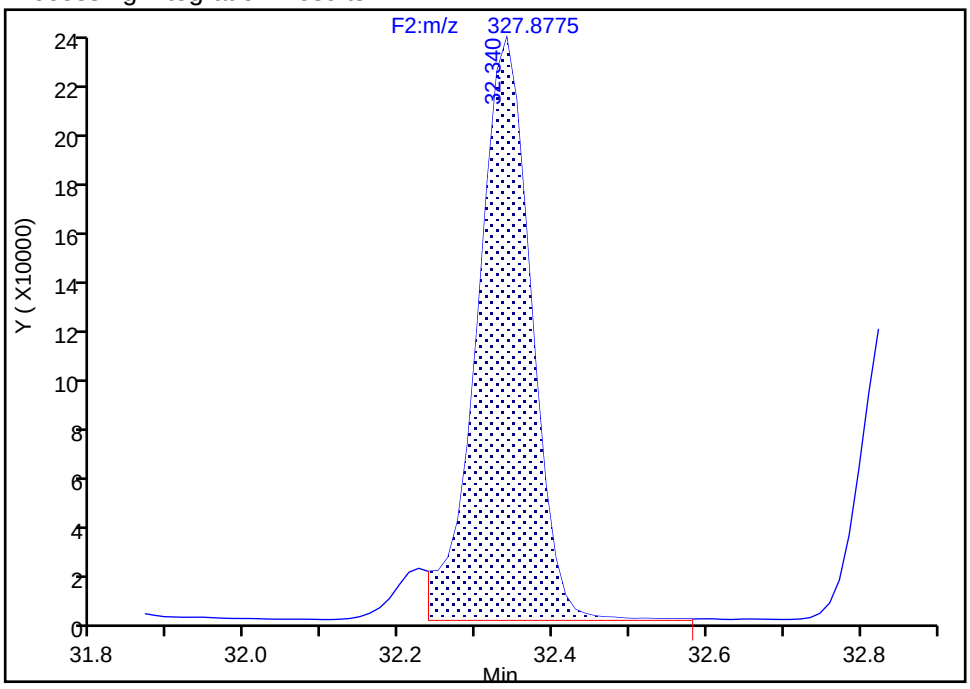
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

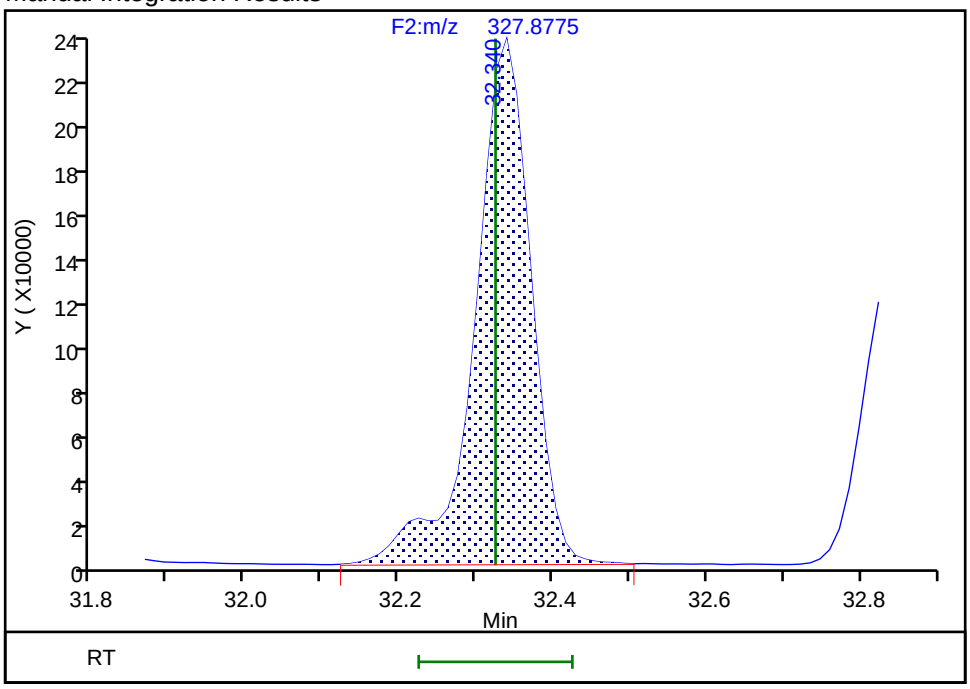
Processing Integration Results

RT: 32.34
Area: 1144656
Amount: 141.0967
Amount Units: pg/ul




Manual Integration Results

RT: 32.34
Area: 1199785
Amount: 148.6024
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:36:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

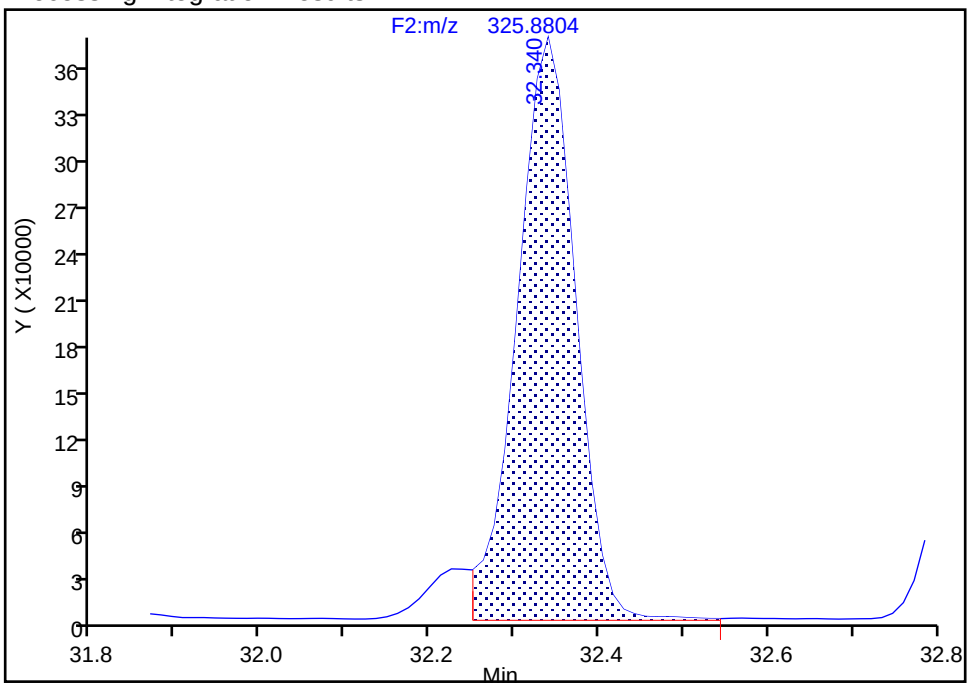
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

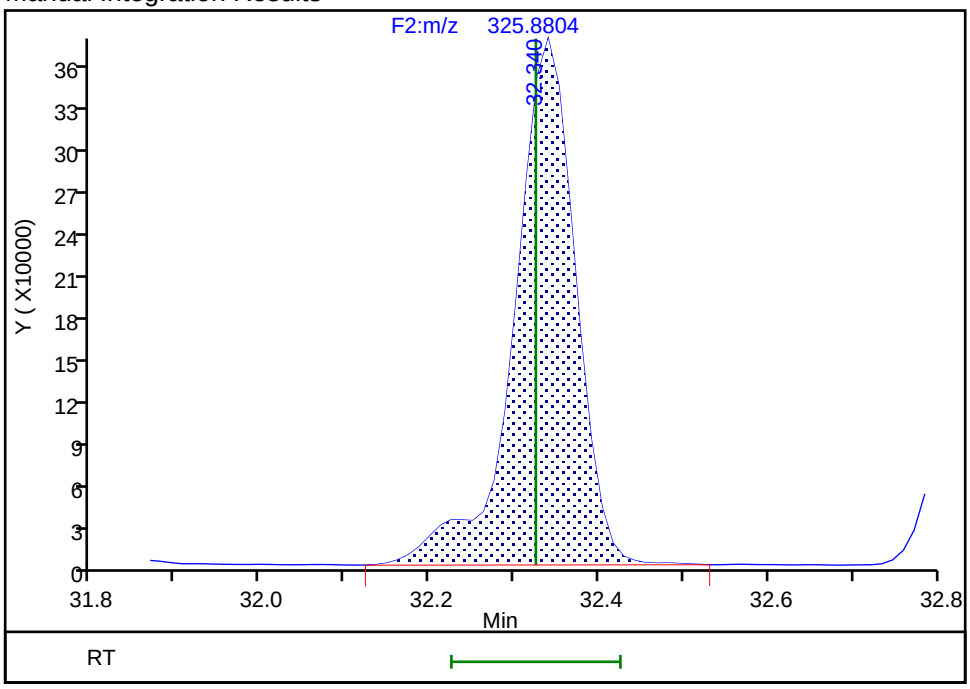
Processing Integration Results

RT: 32.34
Area: 1795296
Amount: 141.0967
Amount Units: pg/ul




Manual Integration Results

RT: 32.34
Area: 1896559
Amount: 148.6024
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:36:51
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

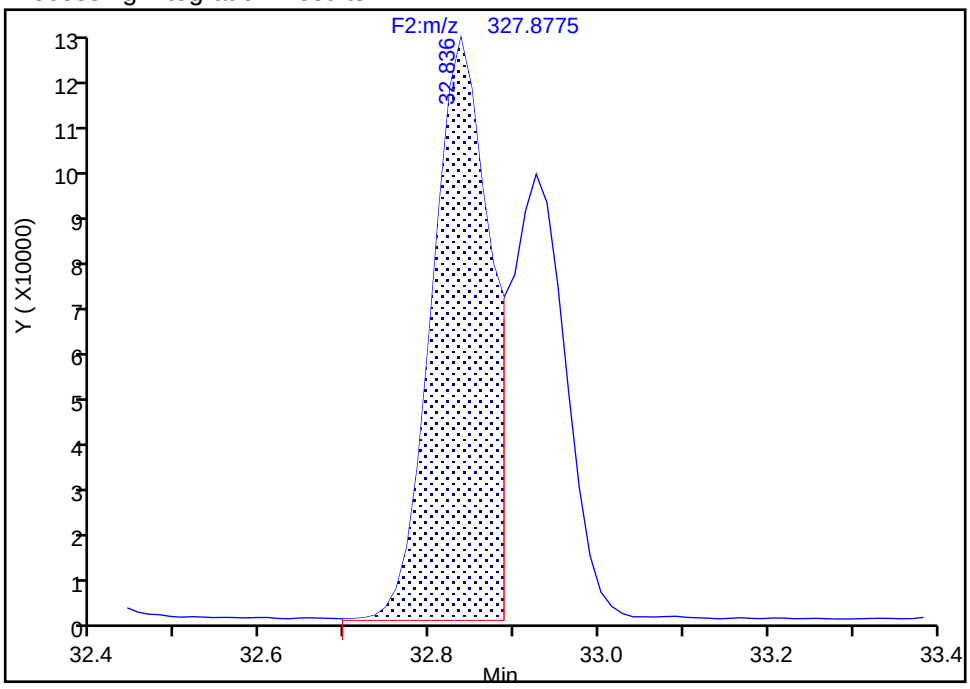
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

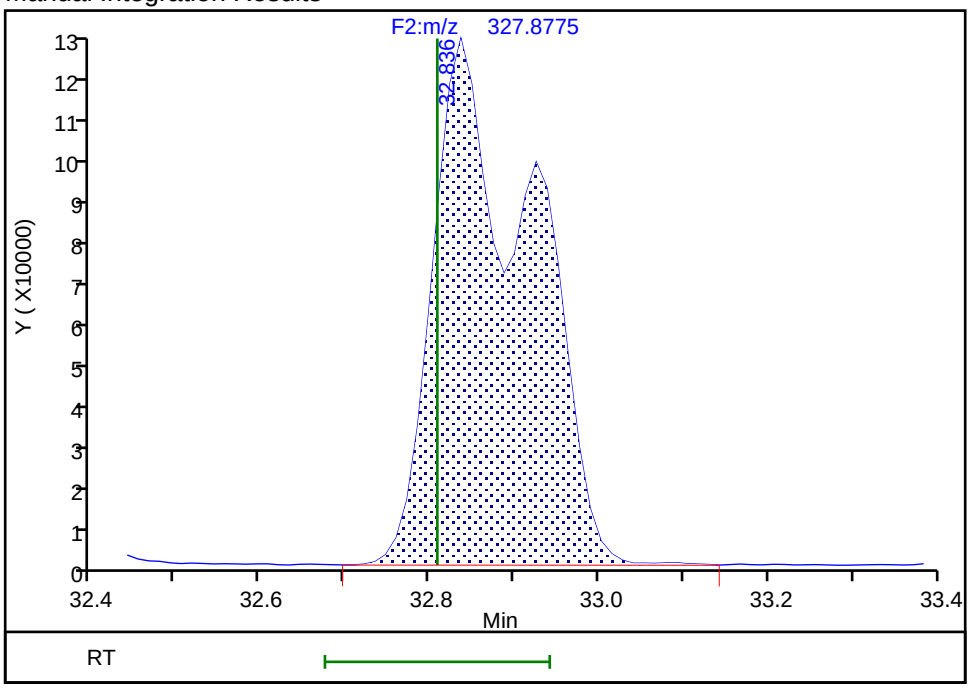
Processing Integration Results

RT: 32.84
Area: 604693
Amount: 58.419248
Amount Units: pg/ul




Manual Integration Results

RT: 32.84
Area: 1037693
Amount: 100.5808
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:37:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

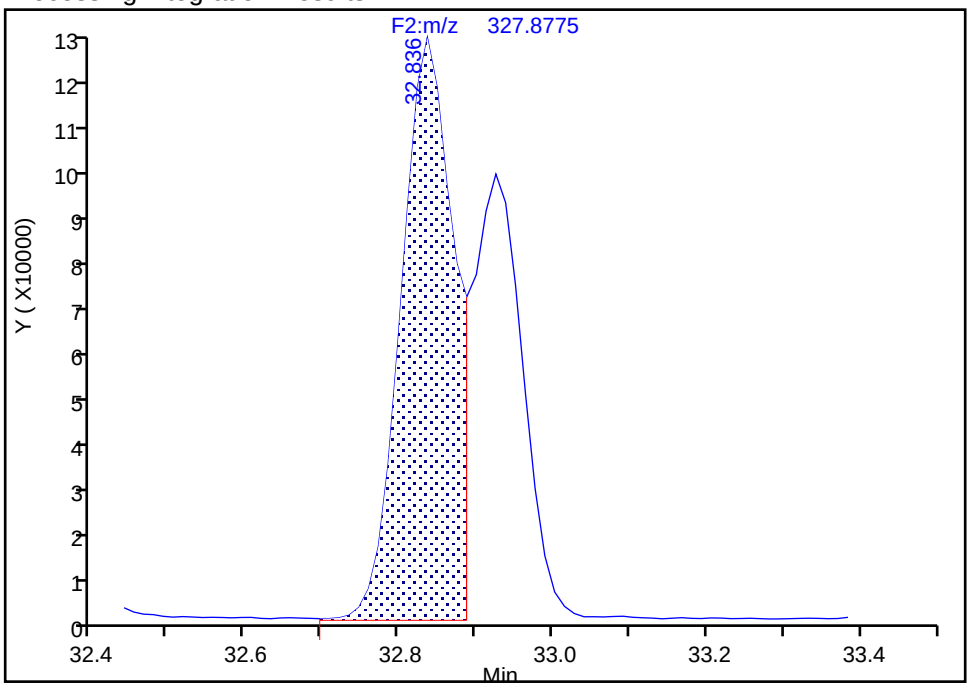
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.84
Area: 1549588
Amount: 58.419248
Amount Units: pg/ul




Manual Integration Results

RT: 32.84
Area: 2667935
Amount: 100.5808
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 21:37:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

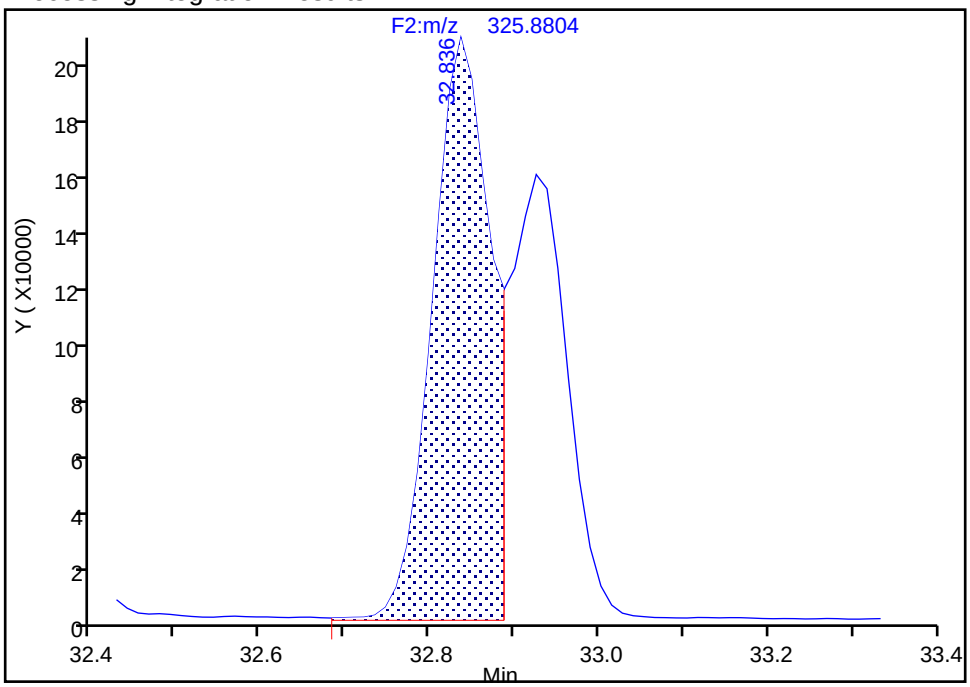
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

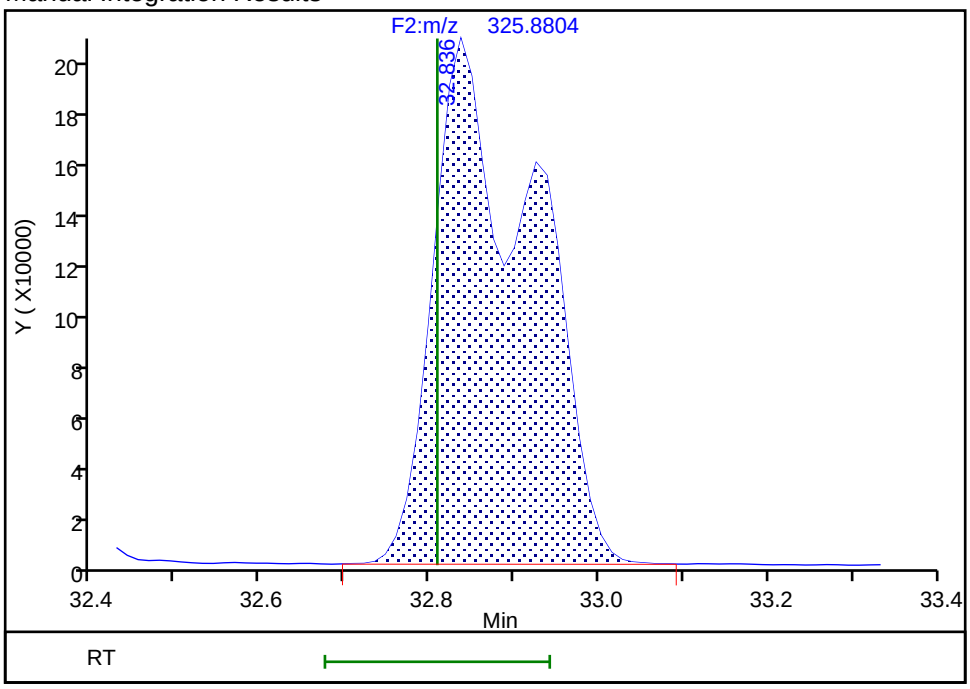
Processing Integration Results

RT: 32.84
Area: 944895
Amount: 58.419248
Amount Units: pg/ul




Manual Integration Results

RT: 32.84
Area: 1630242
Amount: 100.5808
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:37:34

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

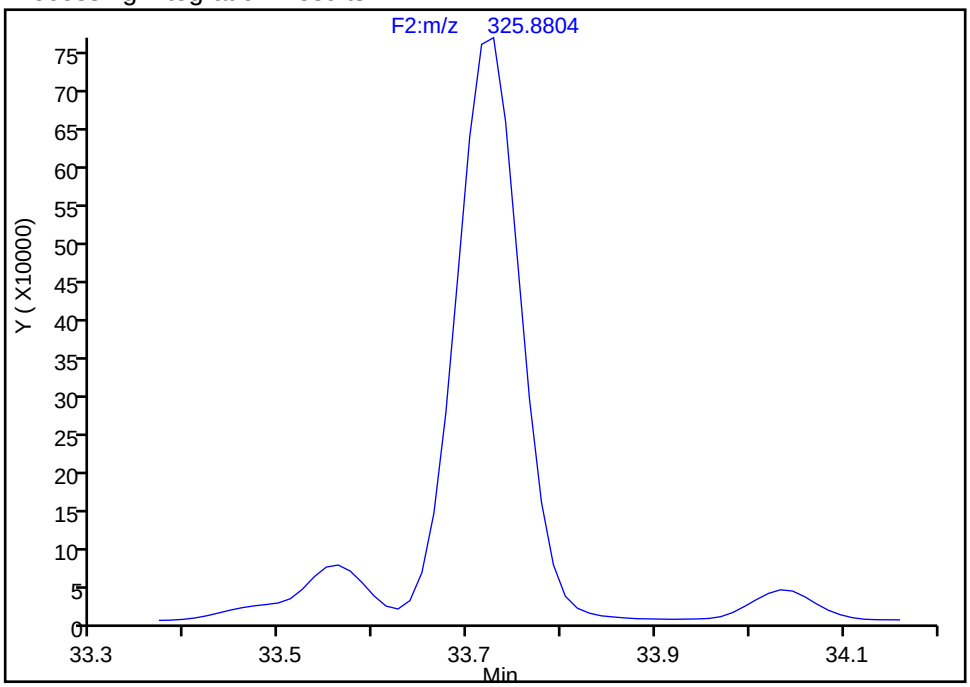
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 Worklist Smp#: 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) |

## PCB-110/115, CAS: STL01826

Signal: 1

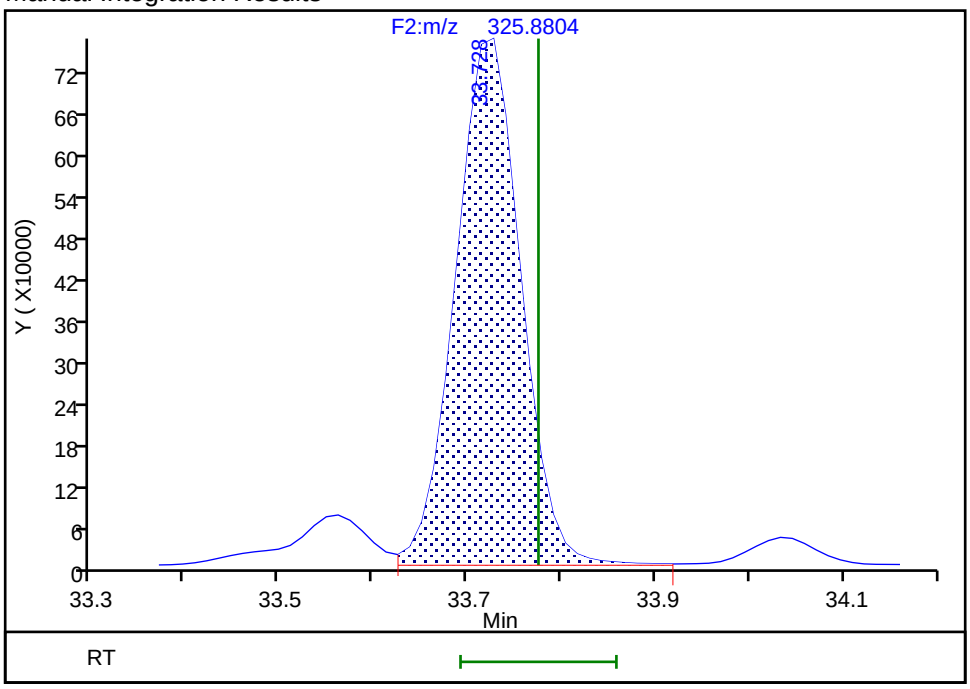
Not Detected
Expected RT: 33.78

Processing Integration Results




Manual Integration Results

RT: 33.73
Area: 3722591
Amount: 202.7560
Amount Units: pg/ul

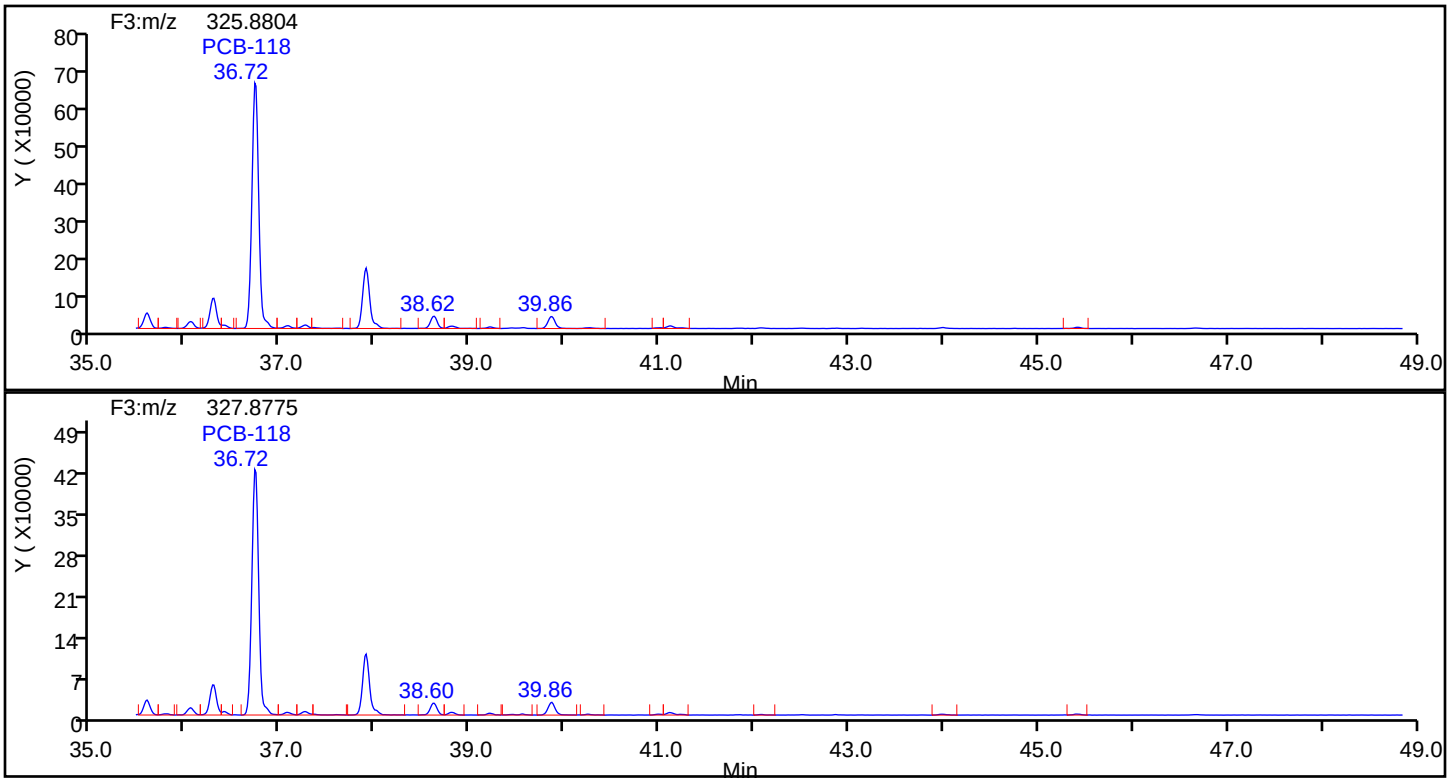



Reviewer: mcwhirterl, 03-Oct-2019 21:37:41
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

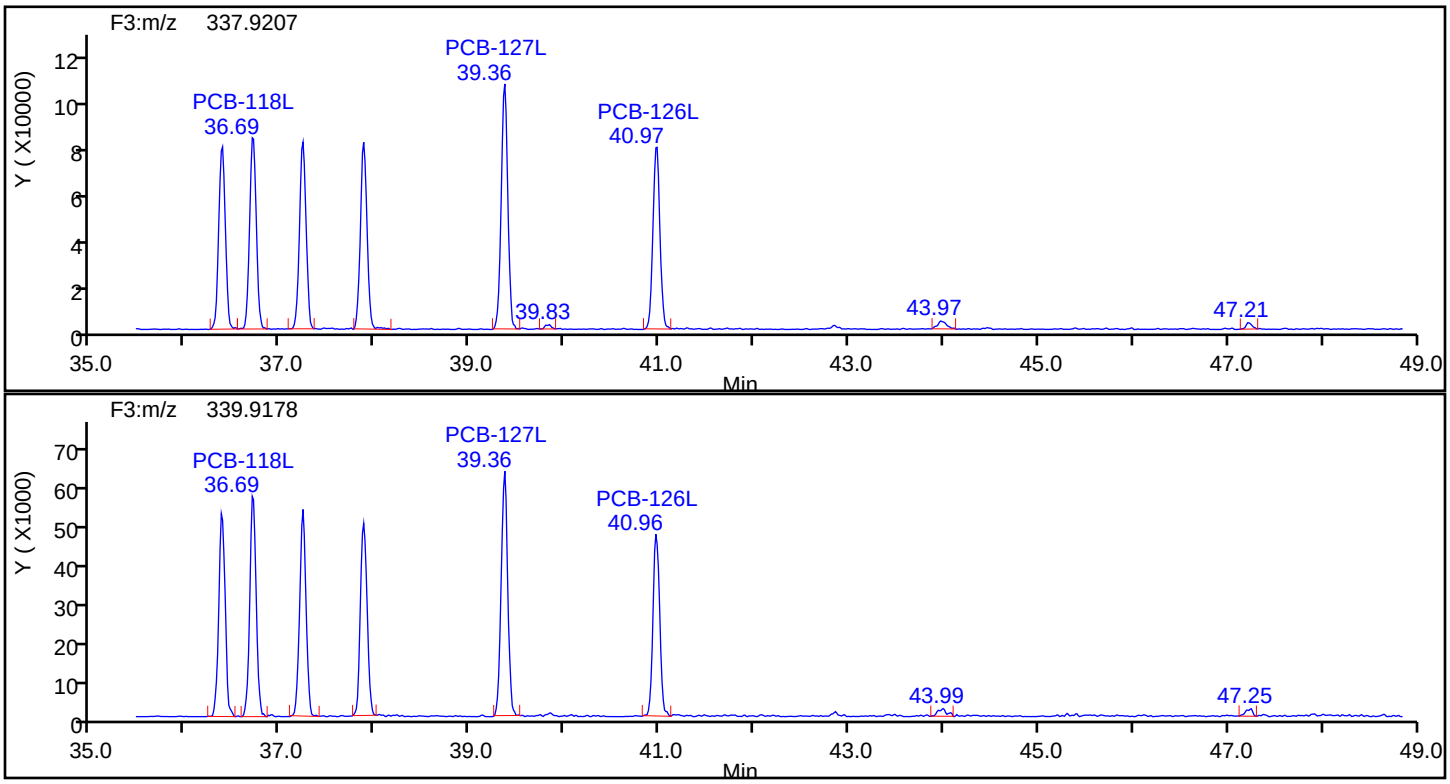
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



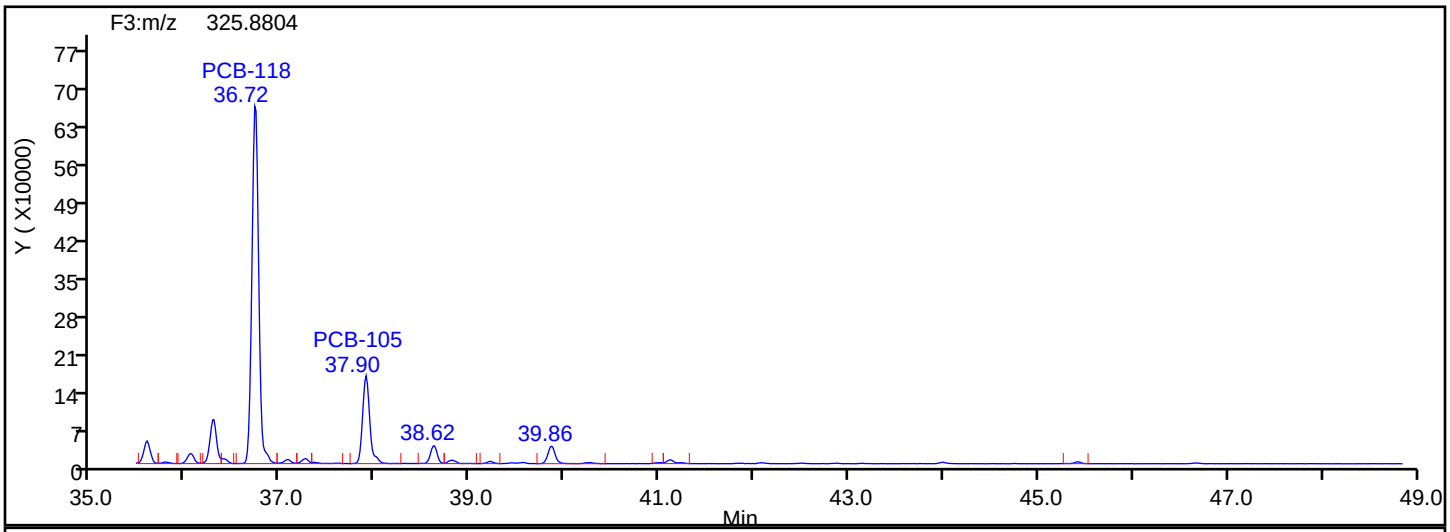

PePCB F3 Standards

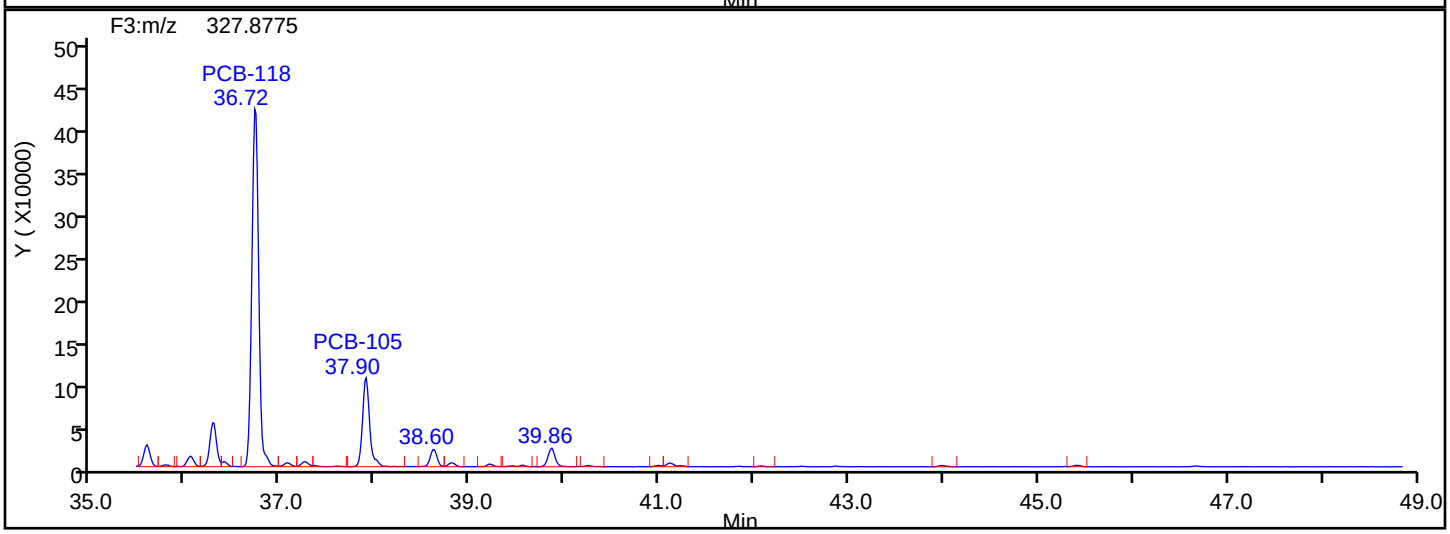


Eurofins TestAmerica, Knoxville

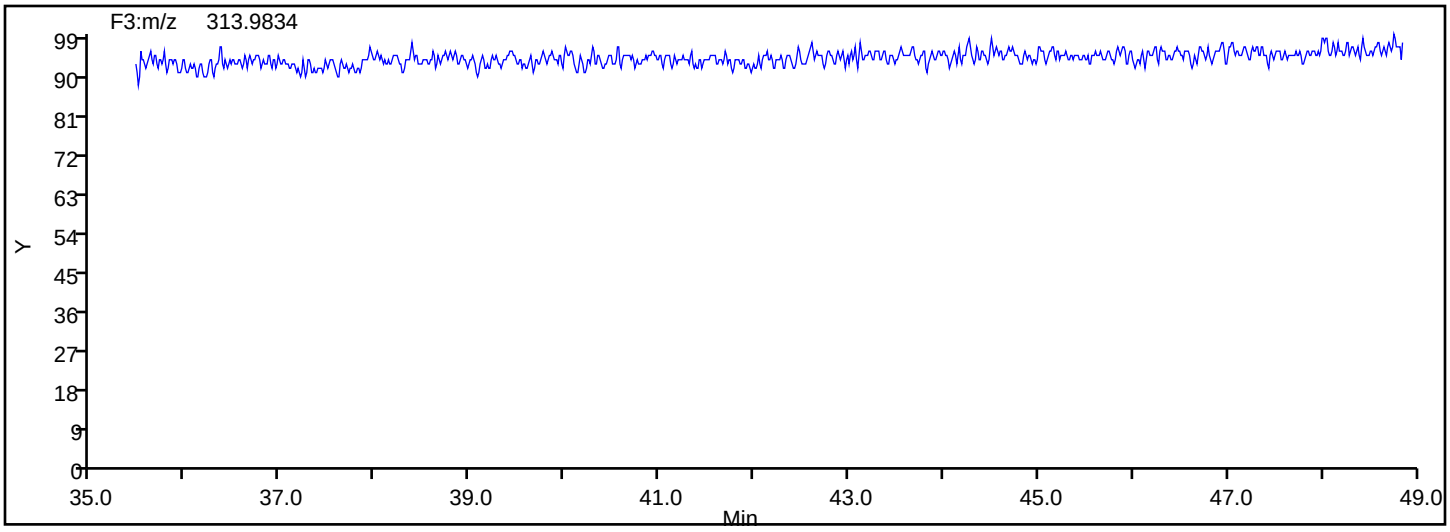
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

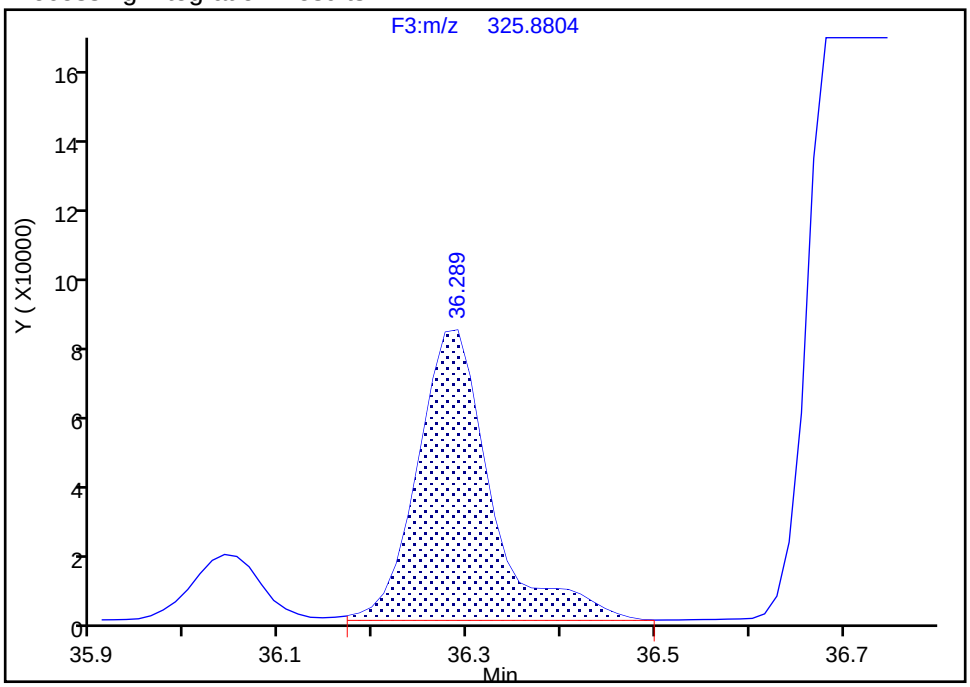
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

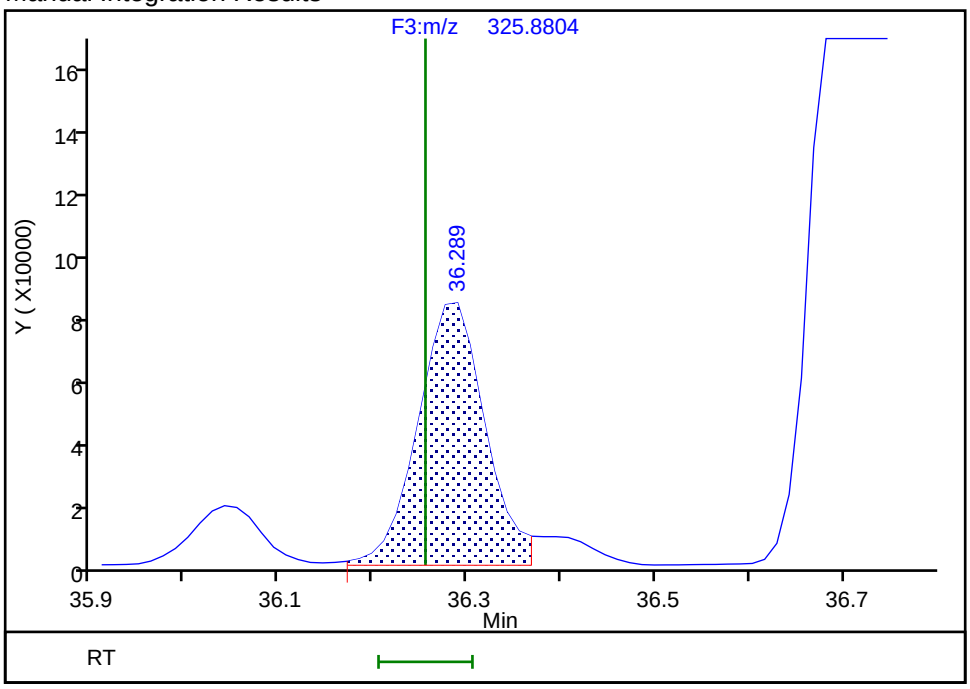
Processing Integration Results

RT: 36.29
Area: 440919
Amount: 15.599333
Amount Units: pg/ul




Manual Integration Results

RT: 36.29
Area: 402279
Amount: 14.733962
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:38:04

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

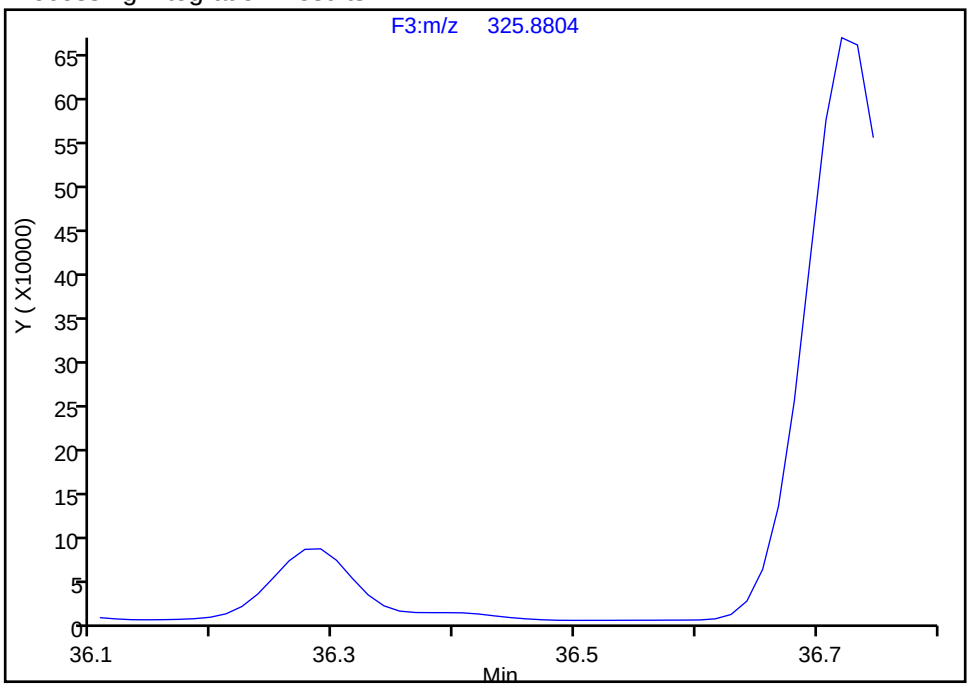
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

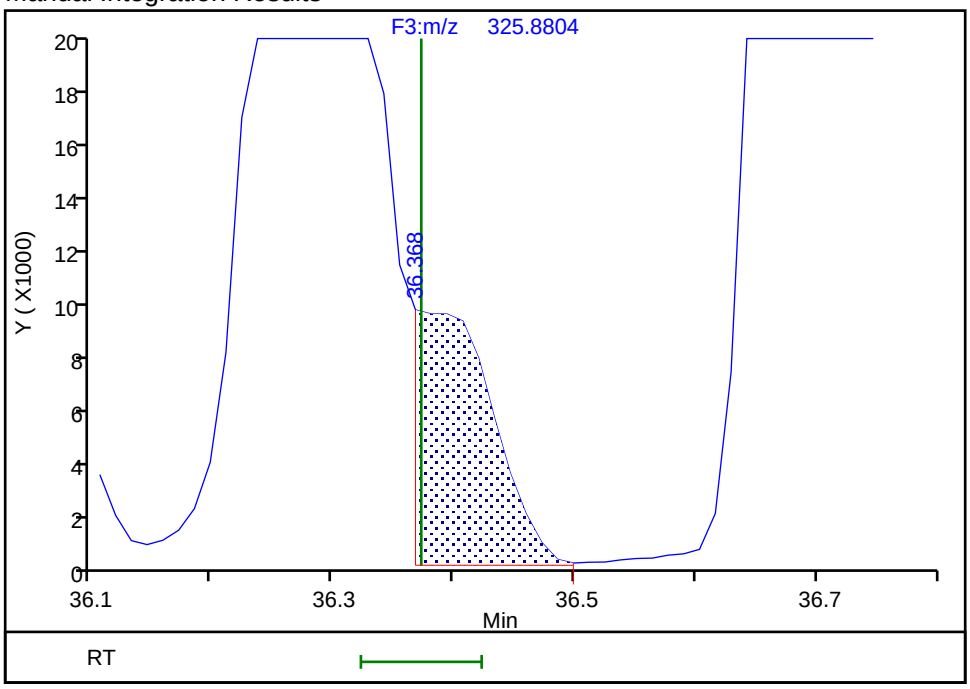
Not Detected
Expected RT: 36.37

Processing Integration Results




Manual Integration Results

RT: 36.37
Area: 38640
Amount: 1.432377
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 21:38:08
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

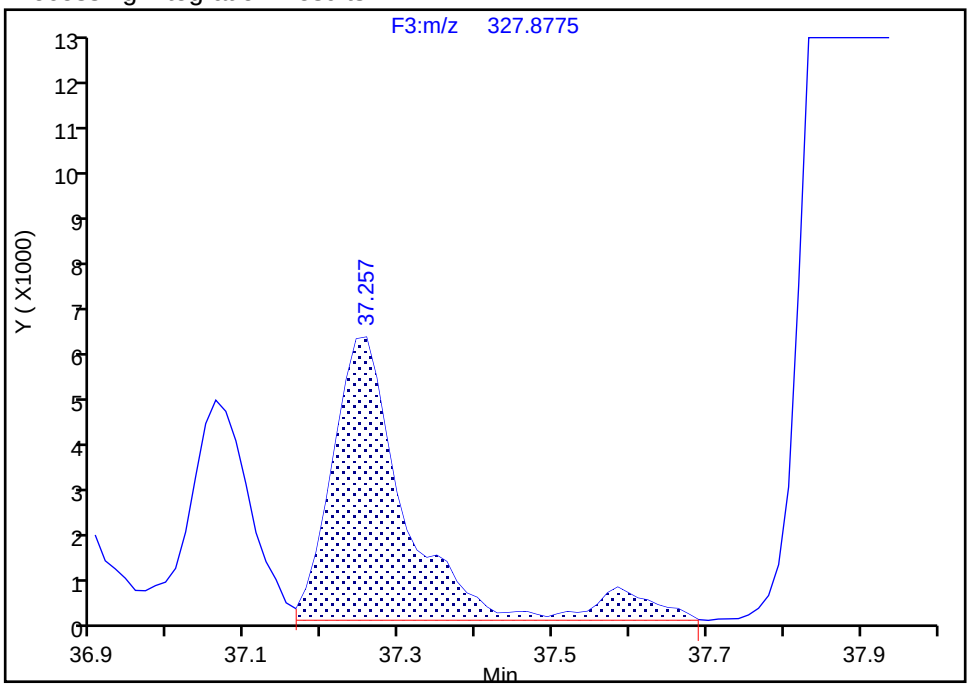
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

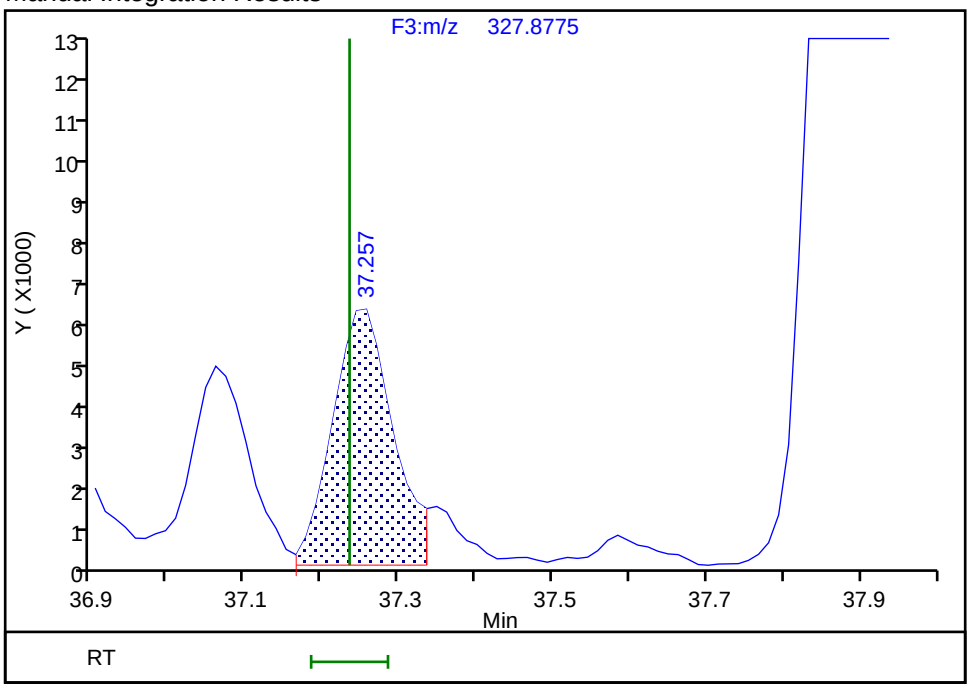
Processing Integration Results

RT: 37.26
Area: 39696
Amount: 2.229821
Amount Units: pg/ul




Manual Integration Results

RT: 37.26
Area: 31380
Amount: 1.690572
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:02:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

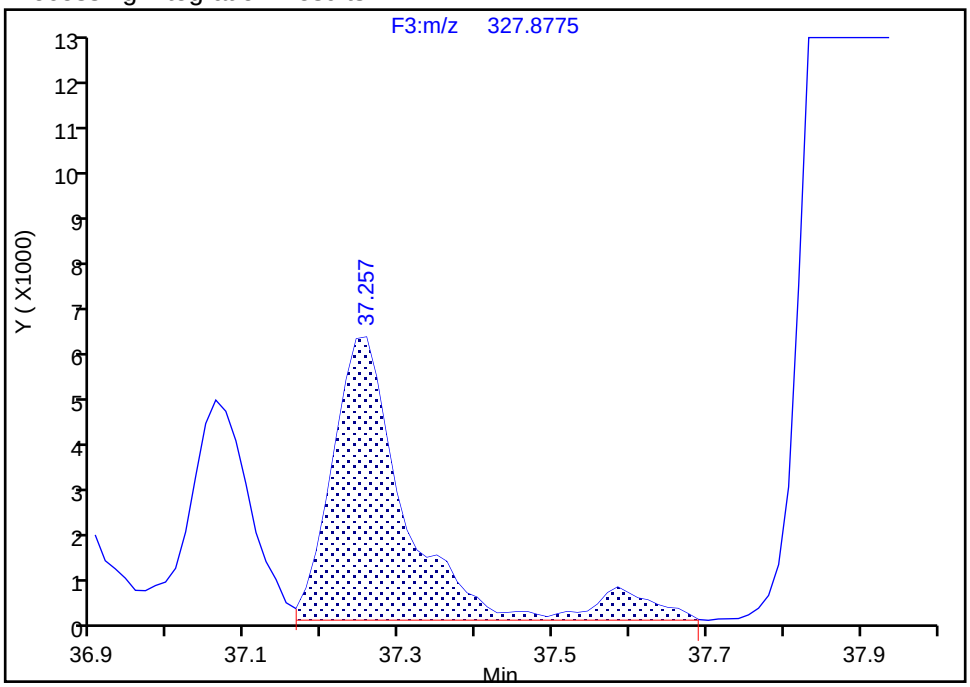
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 3

Processing Integration Results

RT: 37.26
Area: 102148
Amount: 2.229821
Amount Units: pg/ul




Manual Integration Results

RT: 37.26
Area: 77445
Amount: 1.690572
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:02:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

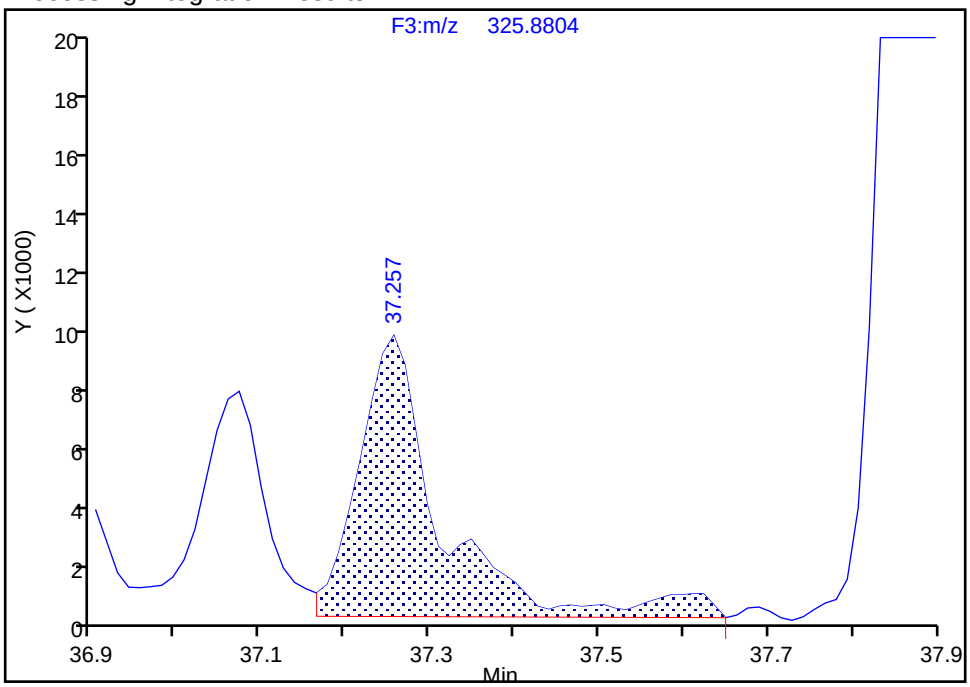
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

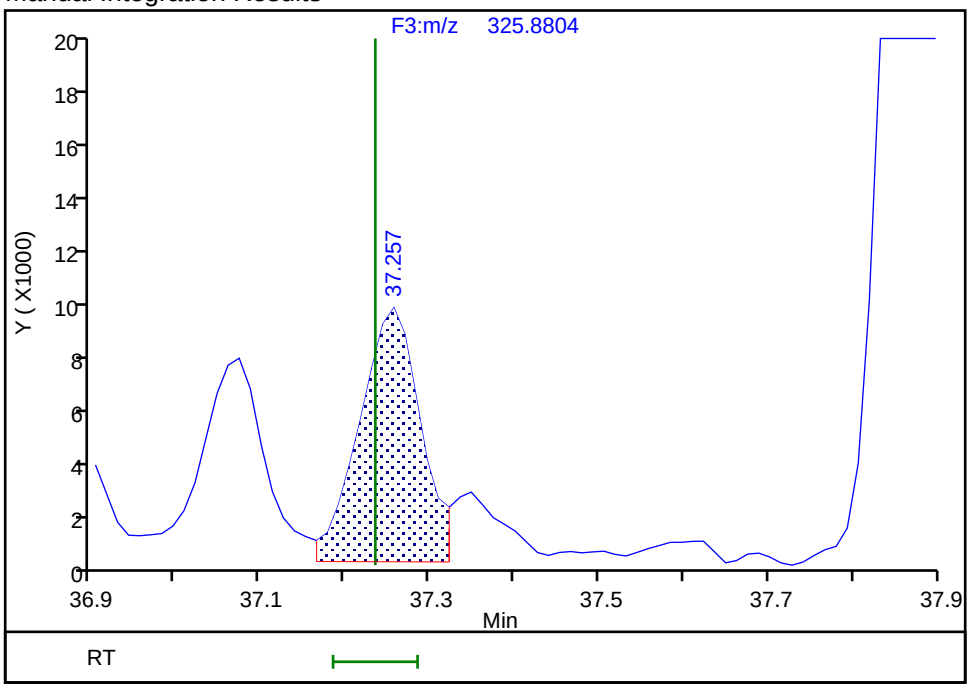
Processing Integration Results

RT: 37.26
Area: 62452
Amount: 2.229821
Amount Units: pg/ul




Manual Integration Results

RT: 37.26
Area: 46065
Amount: 1.690572
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:02:38

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

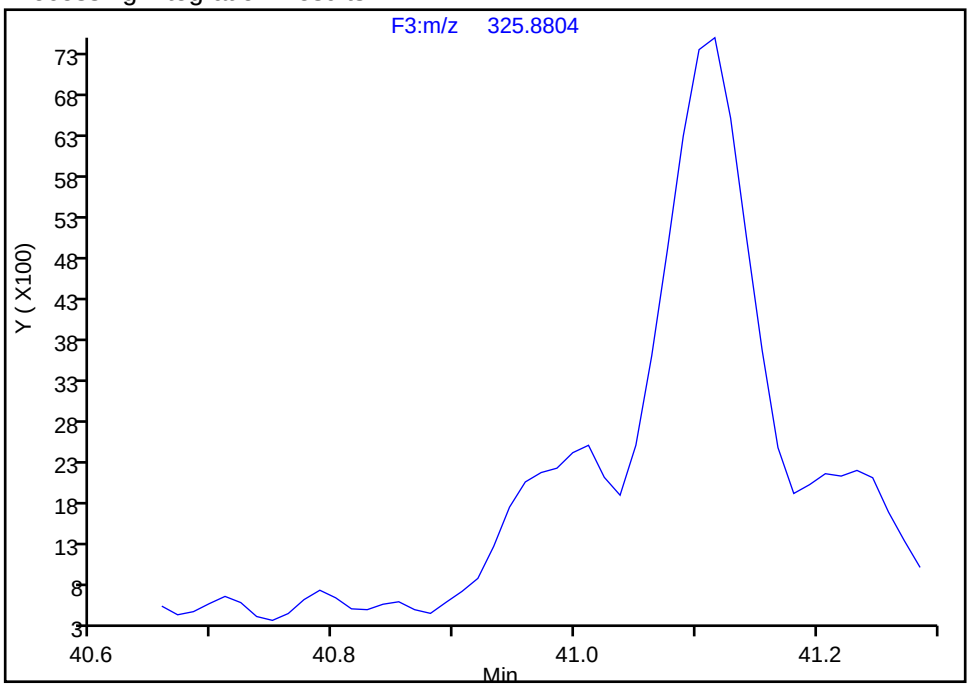
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

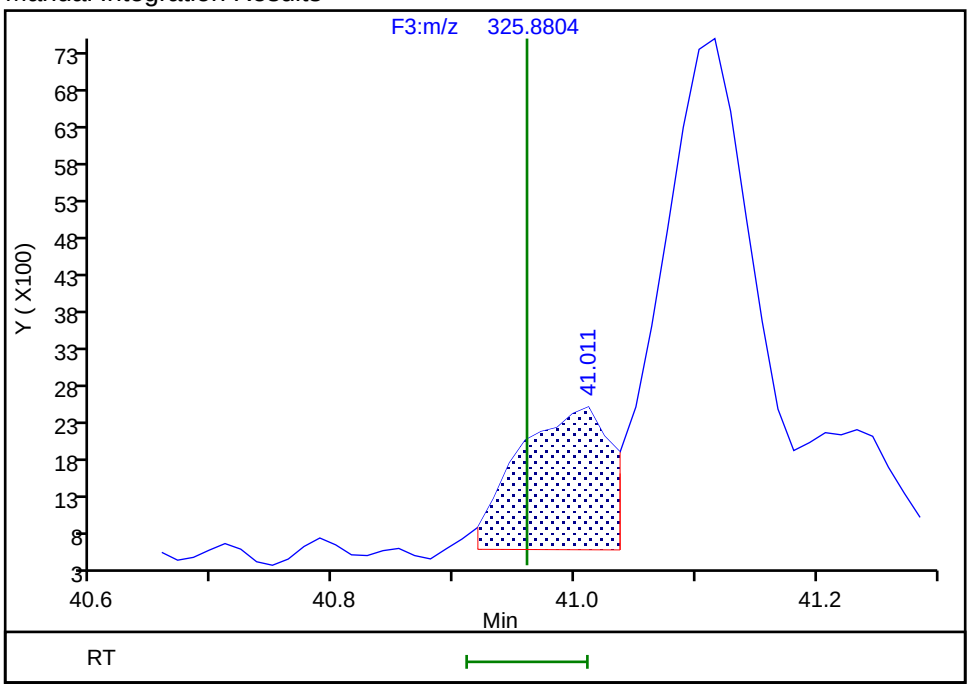
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 41.01
Area: 9908
Amount: 0.393050
Amount Units: pg/ul

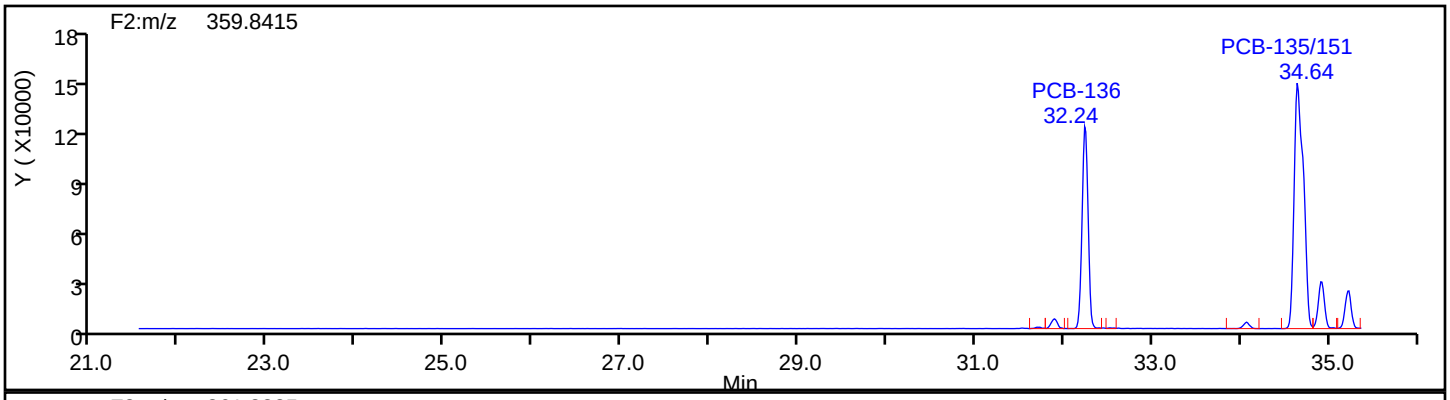


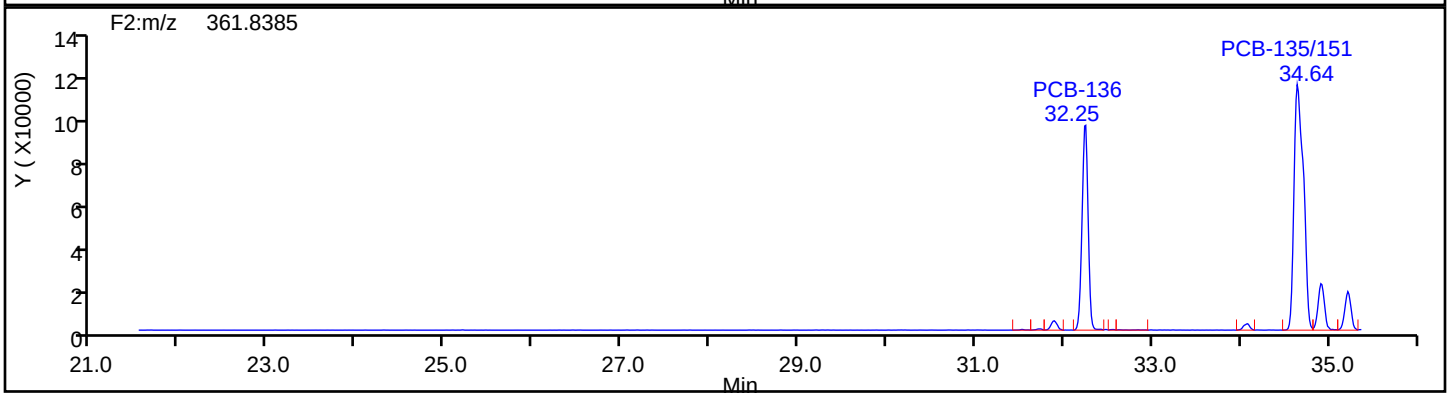

Reviewer: mcwhirterl, 04-Oct-2019 00:02:58
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

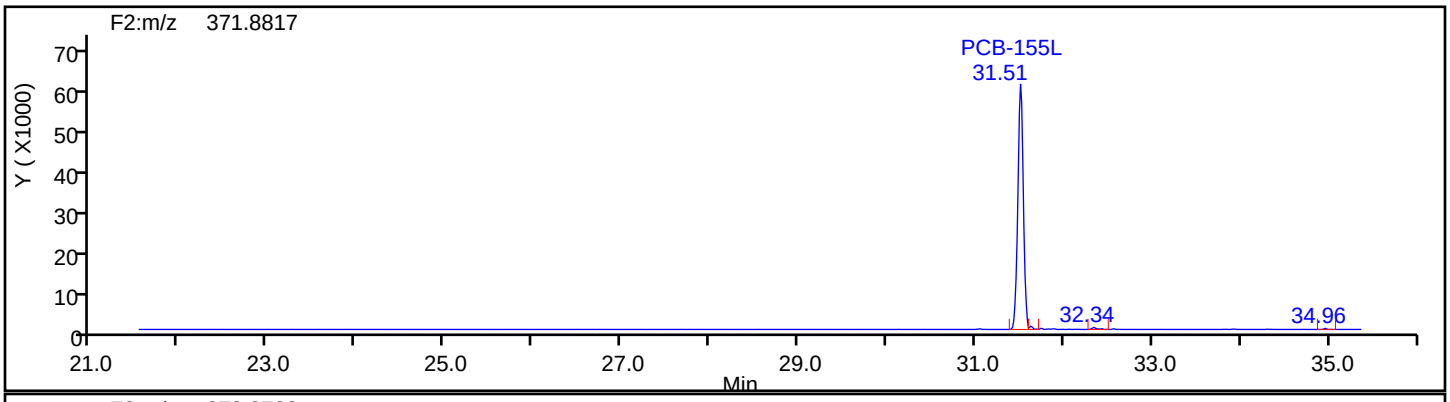
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

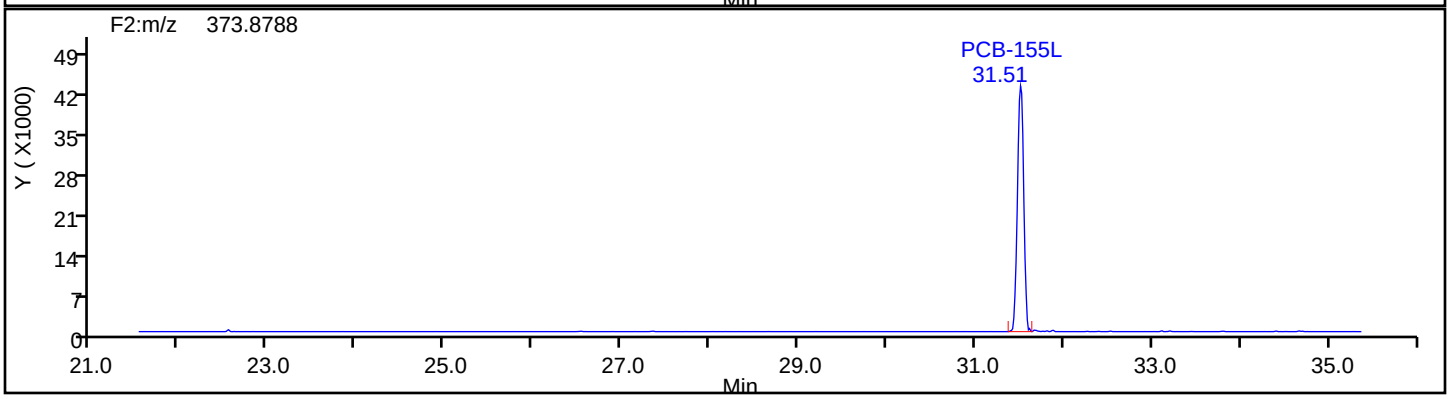
HxPCB F2




HxPCB F2 Standards

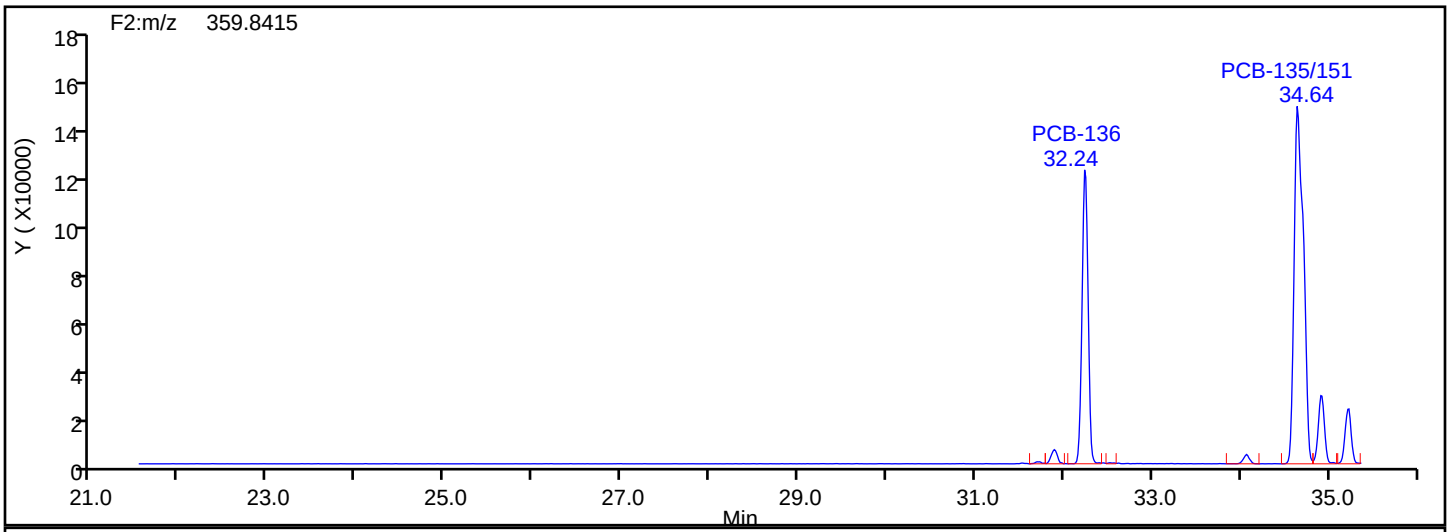


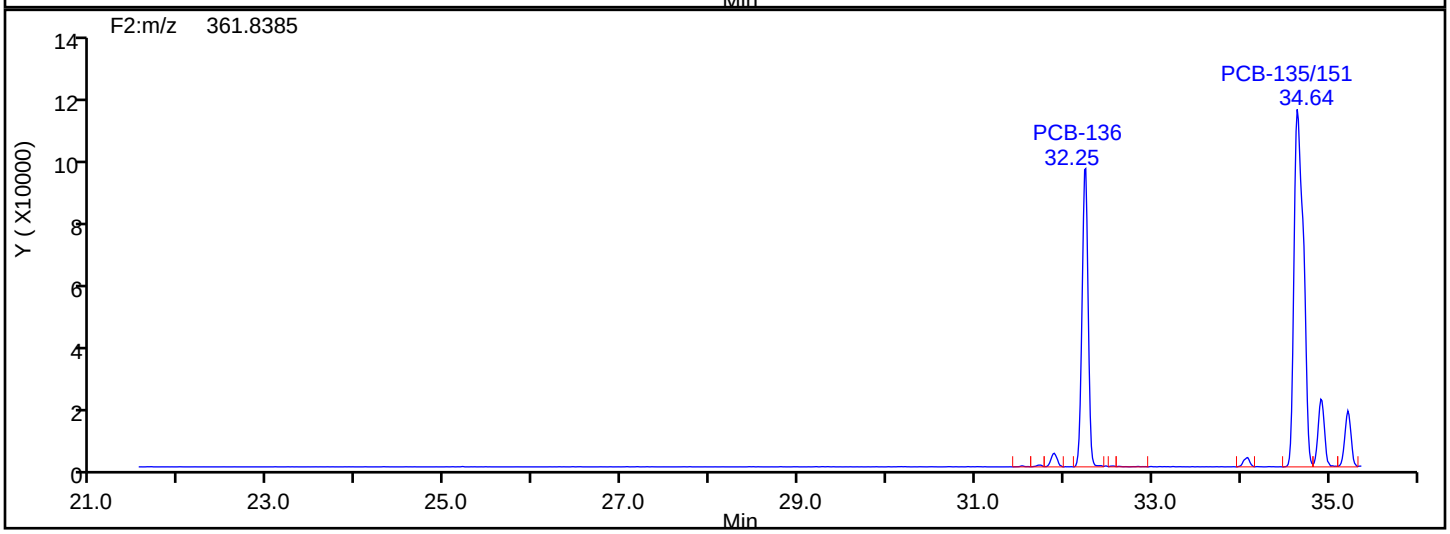



Eurofins TestAmerica, Knoxville

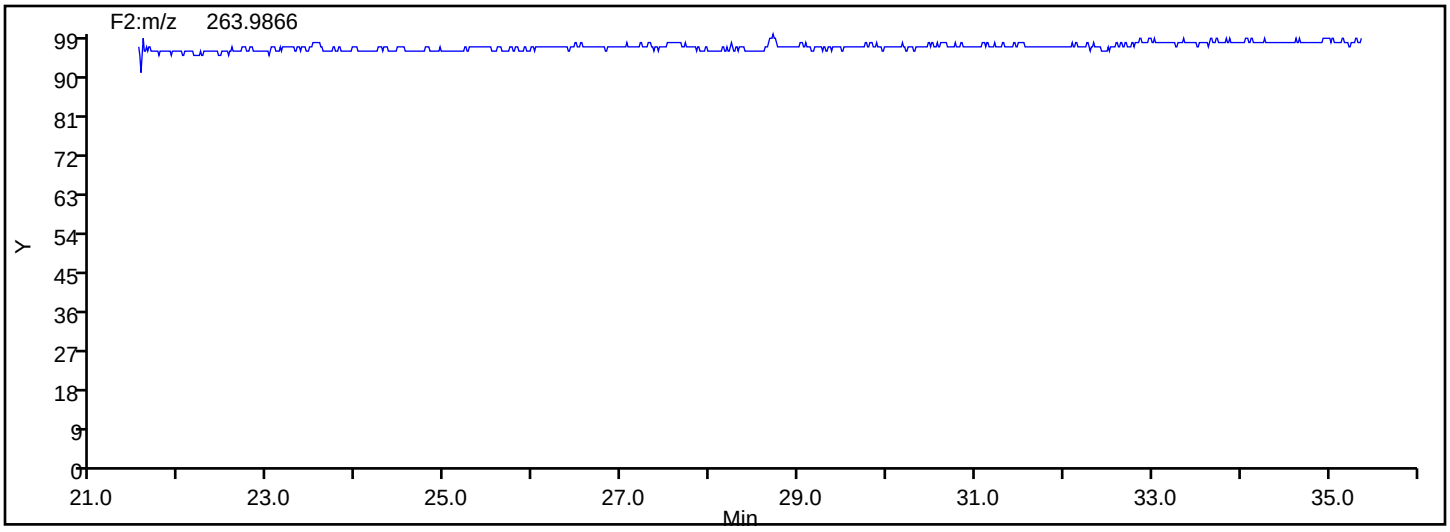
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

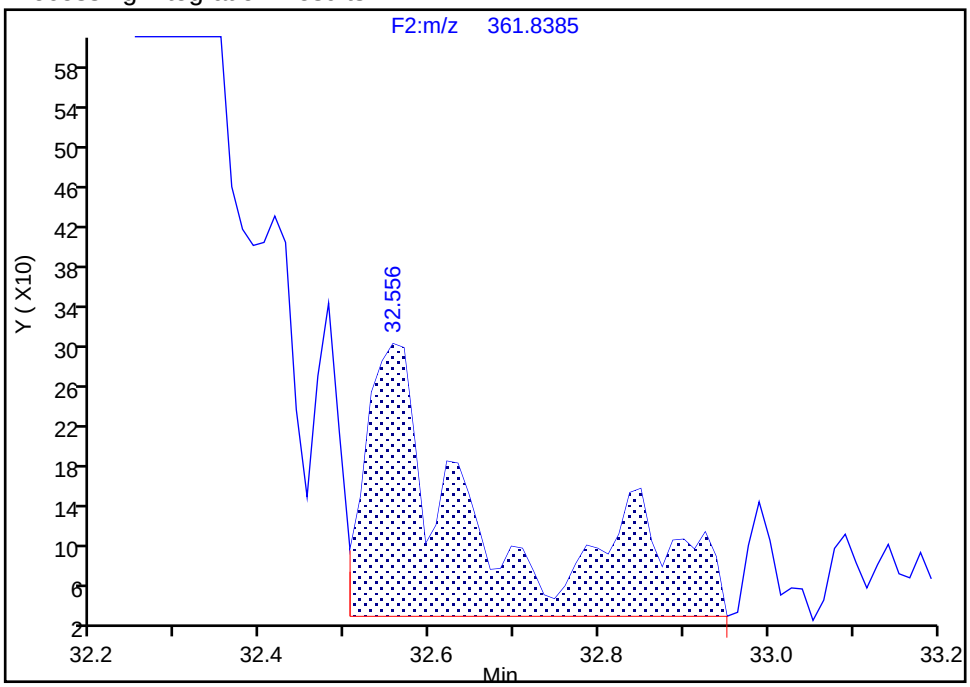
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

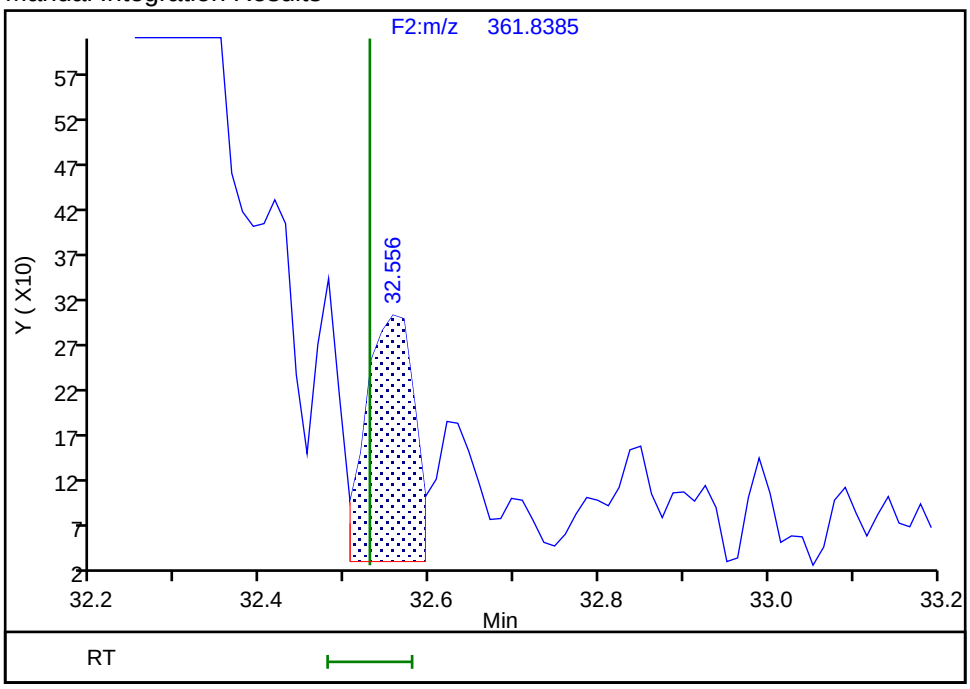
Processing Integration Results

RT: 32.56
Area: 2602
Amount: 0.167113
Amount Units: pg/ul




Manual Integration Results

RT: 32.56
Area: 1044
Amount: 0.112449
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:03:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

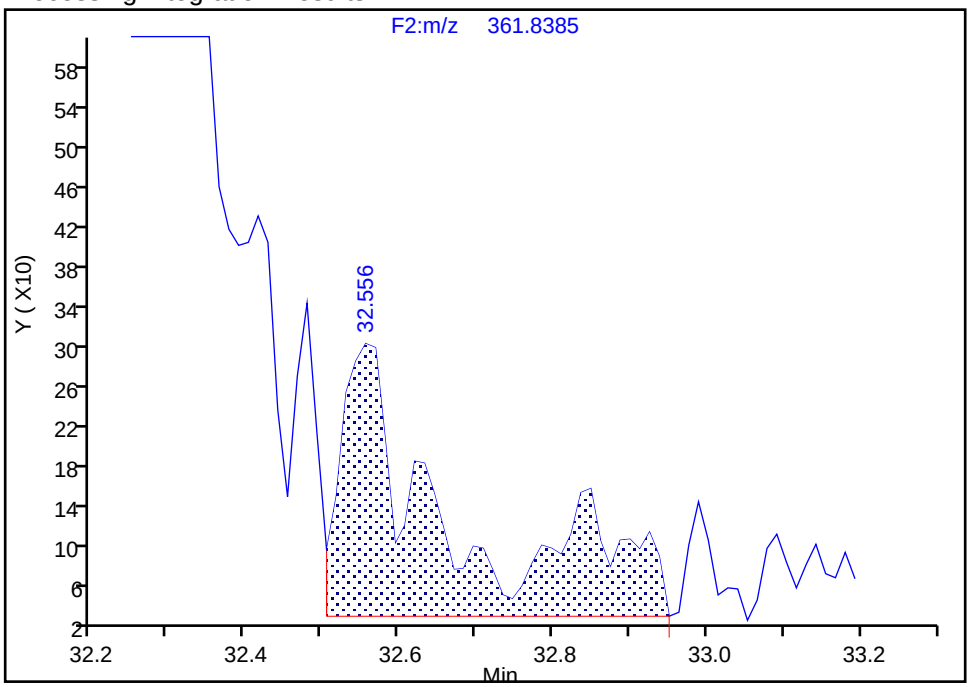
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 3

Processing Integration Results

RT: 32.52
Area: 4763
Amount: 0.167113
Amount Units: pg/ul




Manual Integration Results

RT: 32.52
Area: 3205
Amount: 0.112449
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:03:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

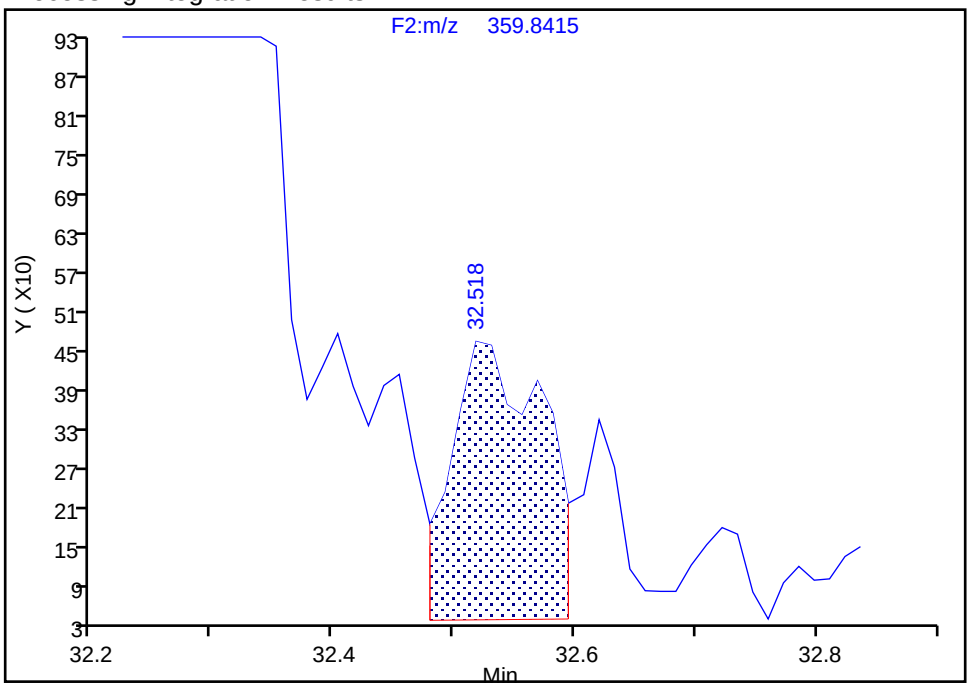
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

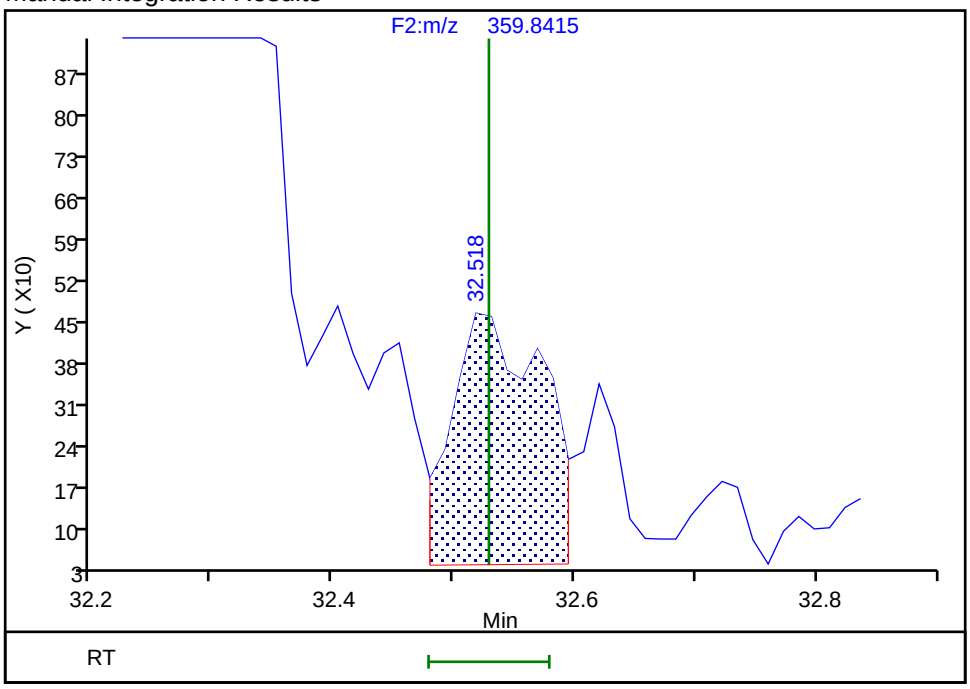
Processing Integration Results

RT: 32.52
Area: 2161
Amount: 0.167113
Amount Units: pg/ul




Manual Integration Results

RT: 32.52
Area: 2161
Amount: 0.112449
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:03:49

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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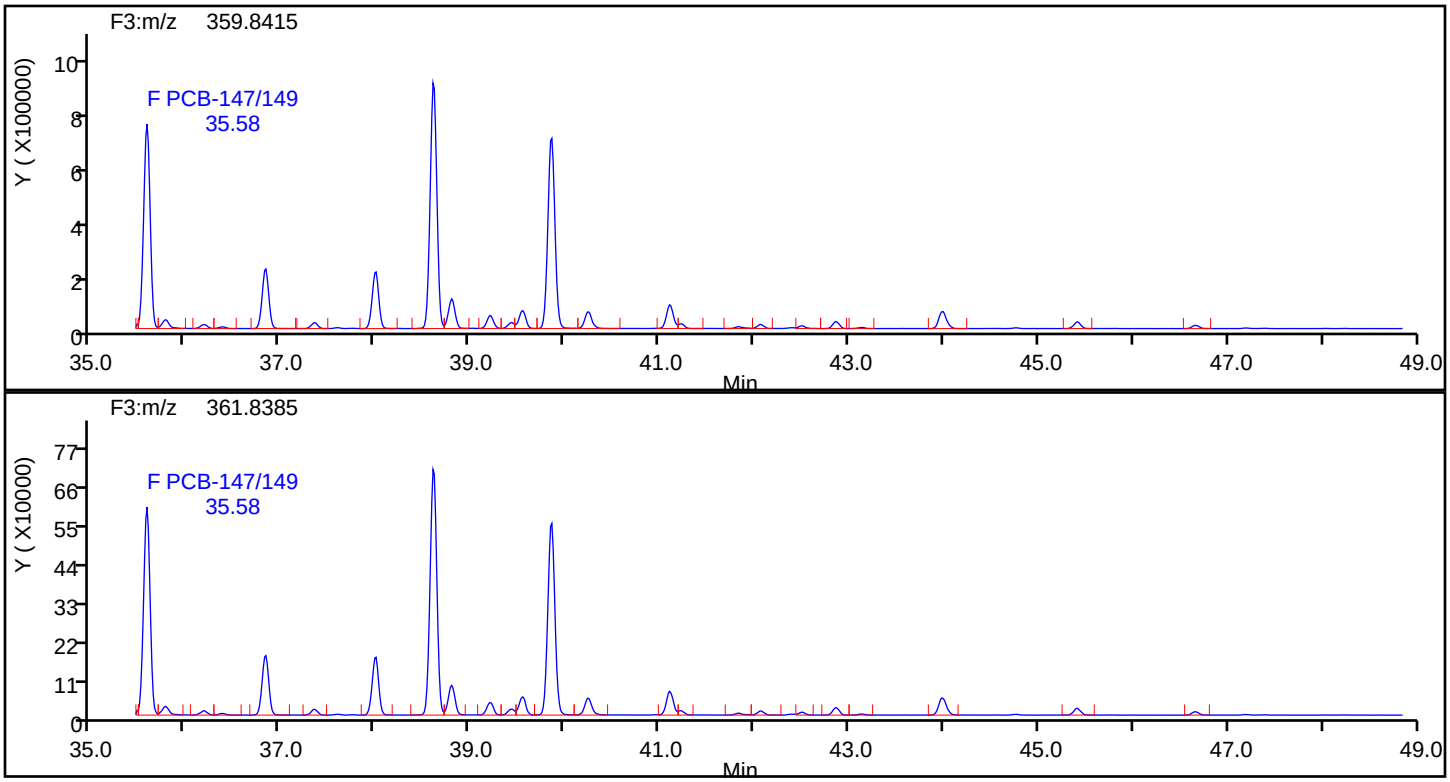
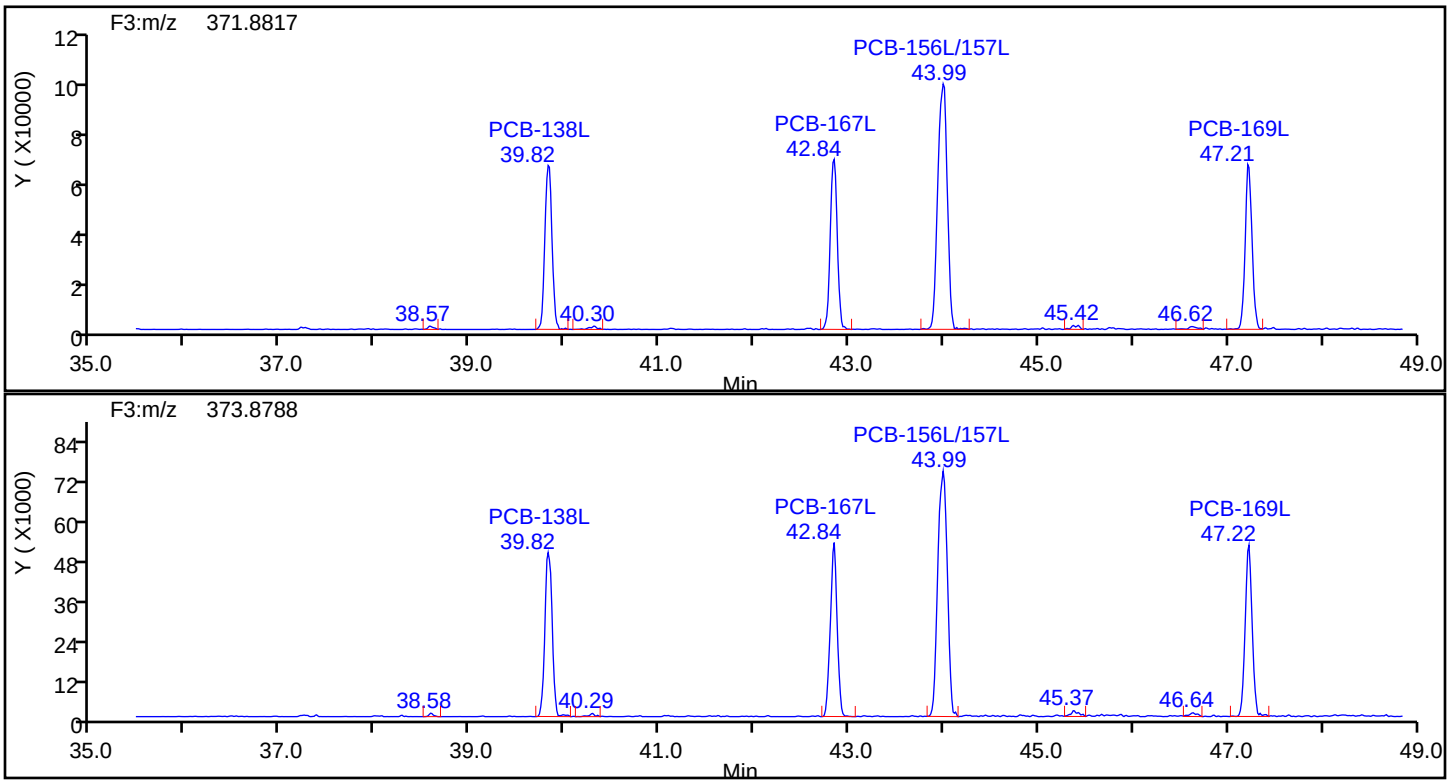
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

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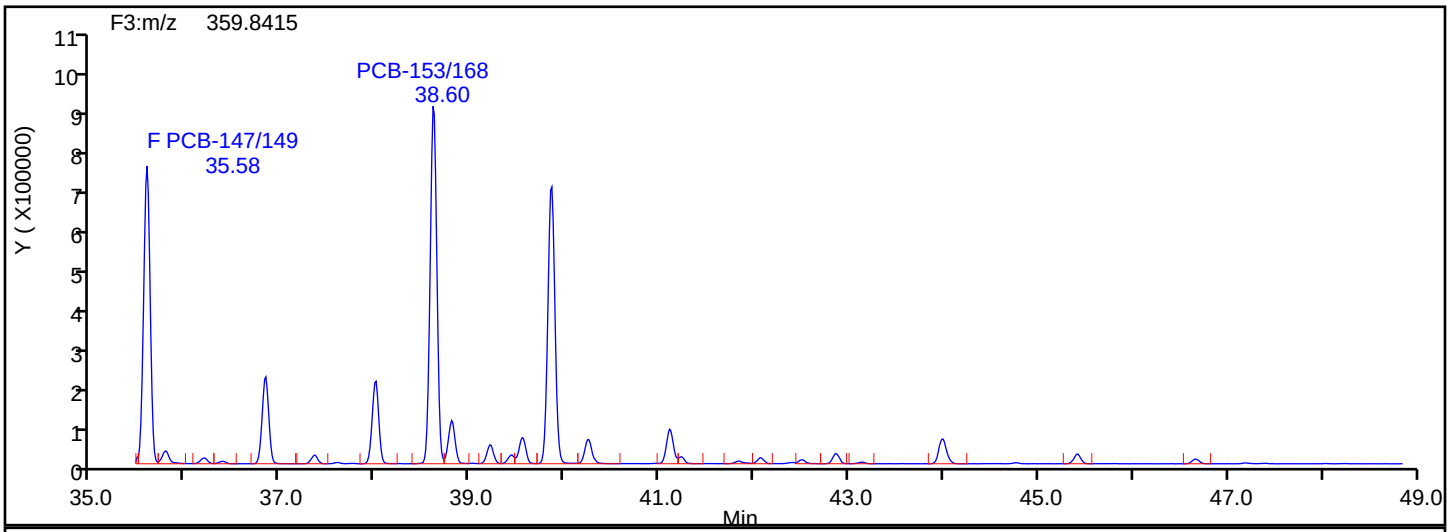
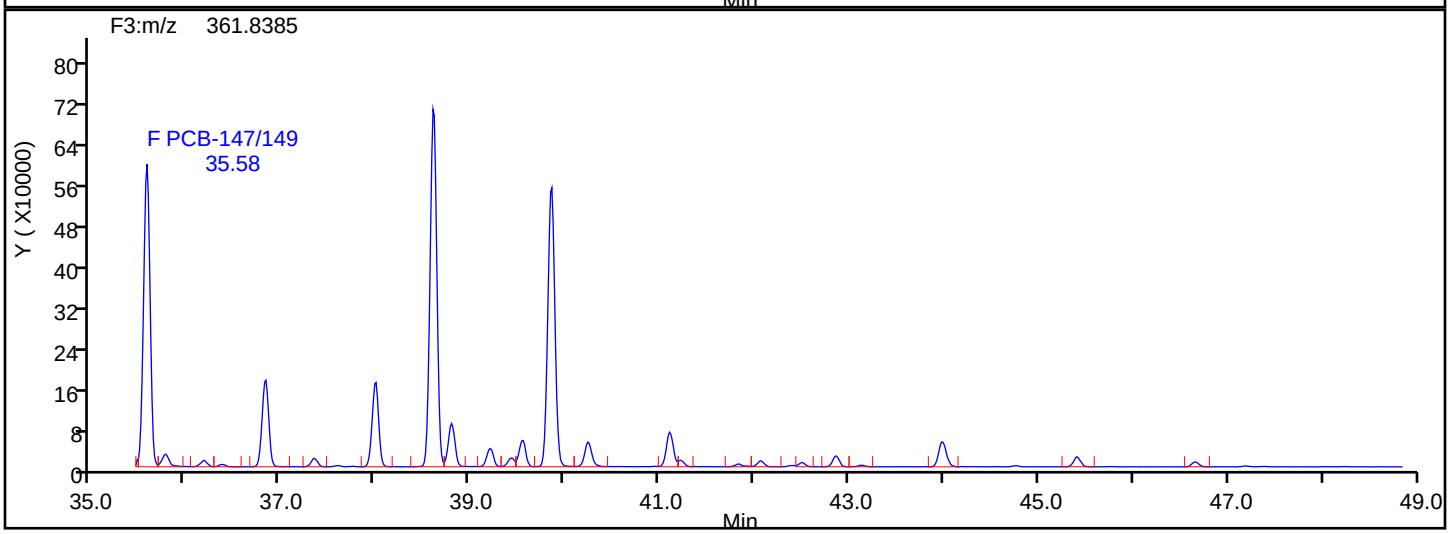
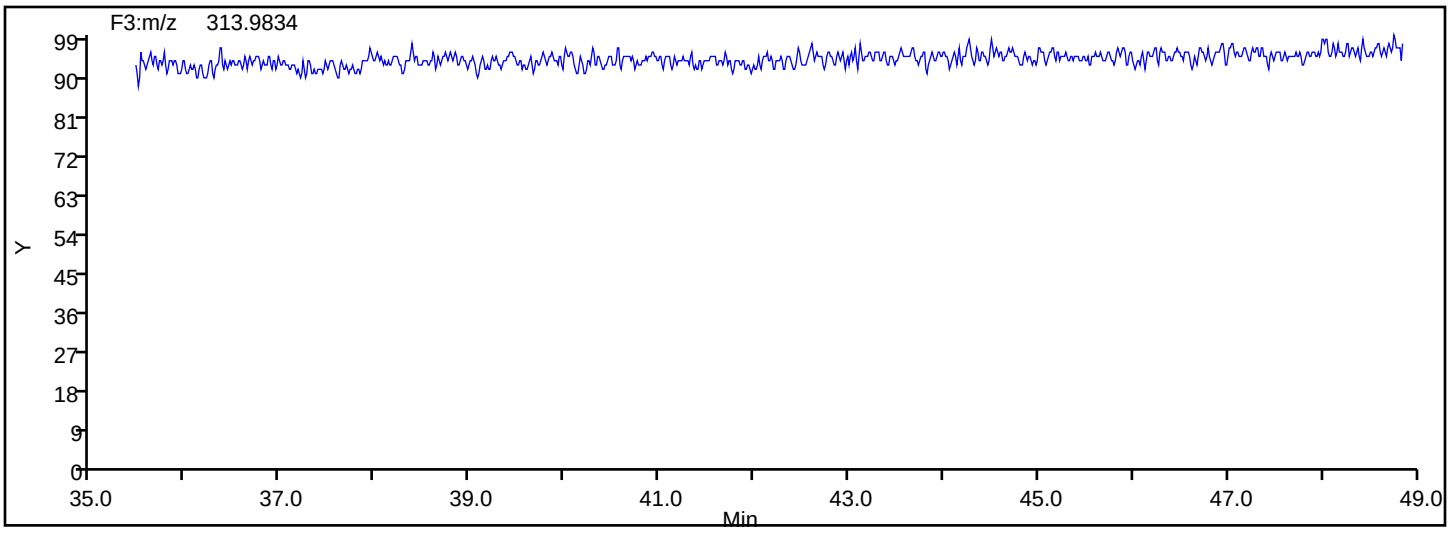
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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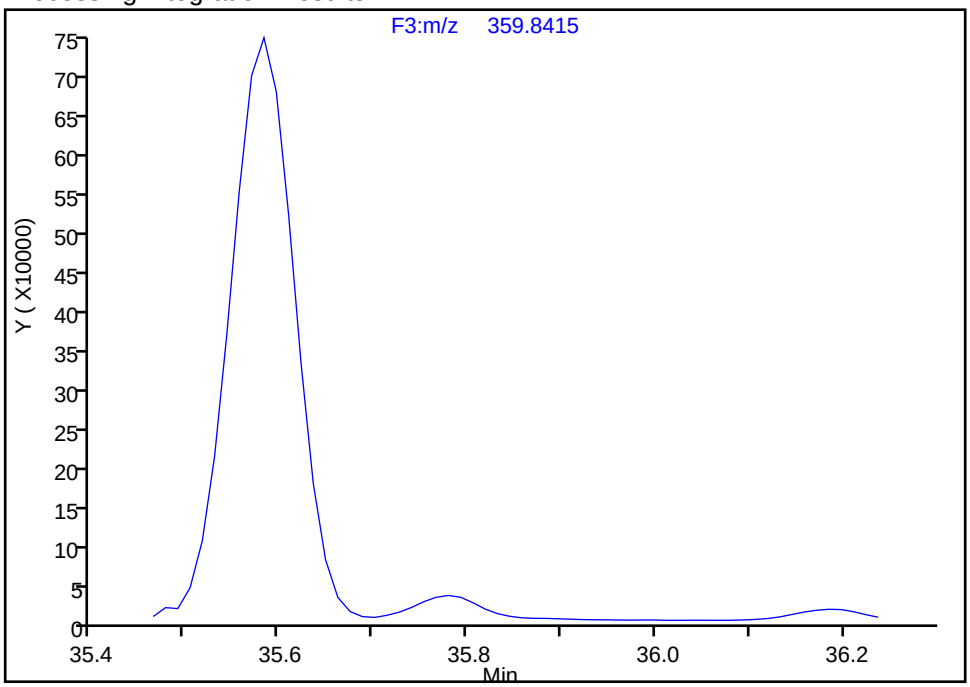
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

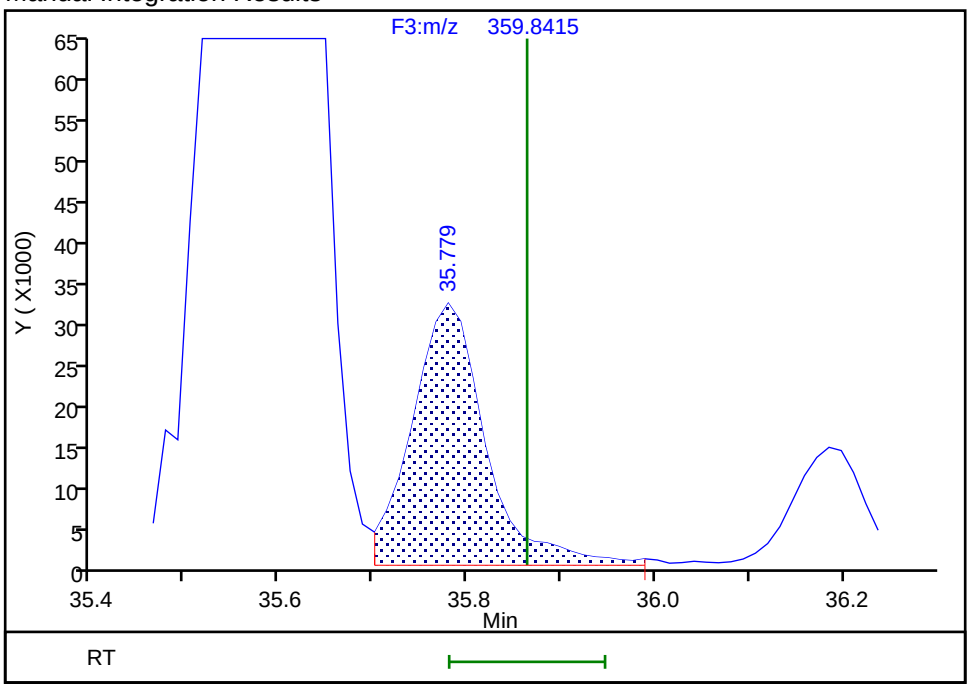
Not Detected
Expected RT: 35.86

Processing Integration Results




Manual Integration Results

RT: 35.78
Area: 172809
Amount: 12.215846
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:04:00
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

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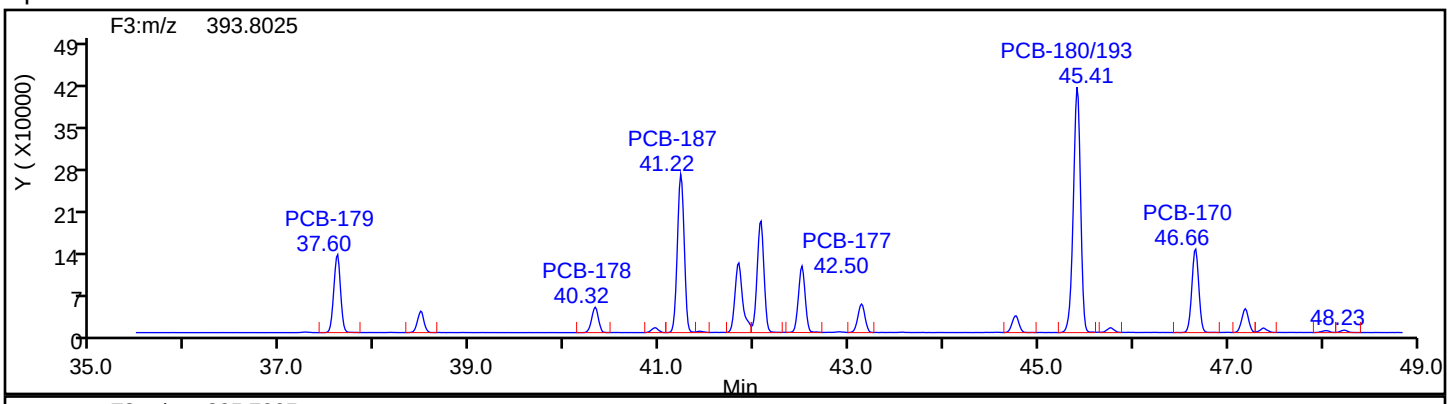
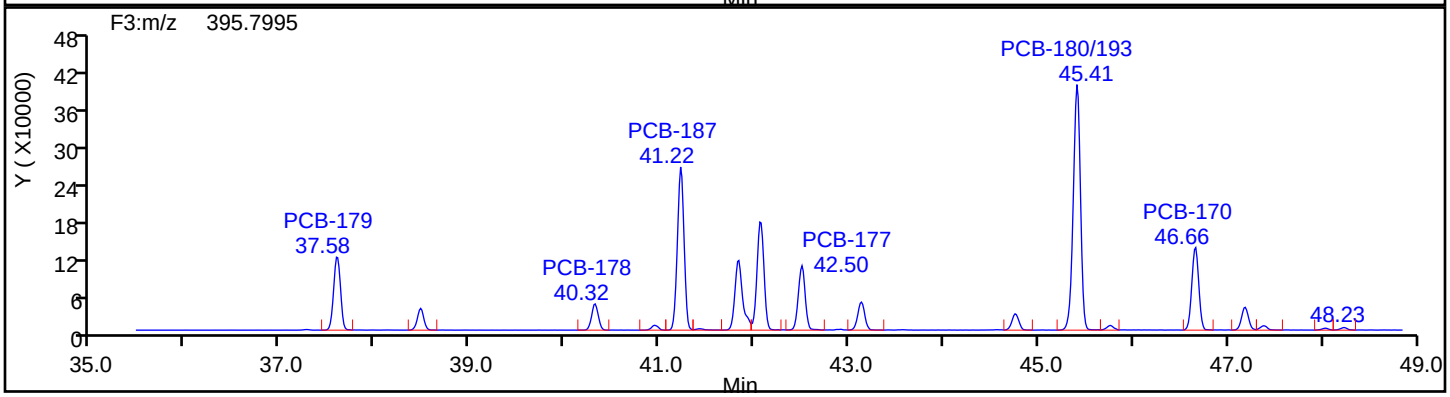
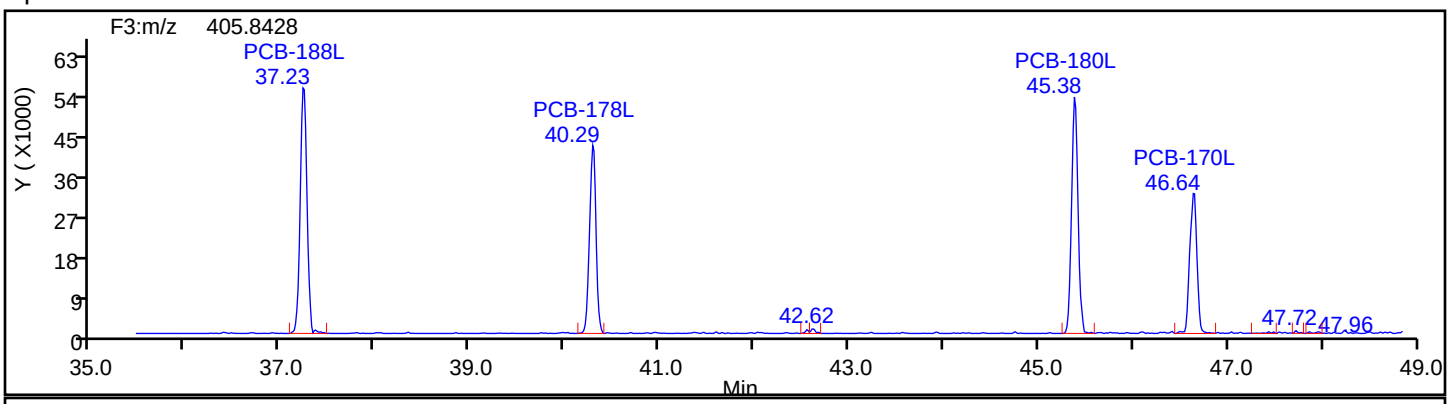
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

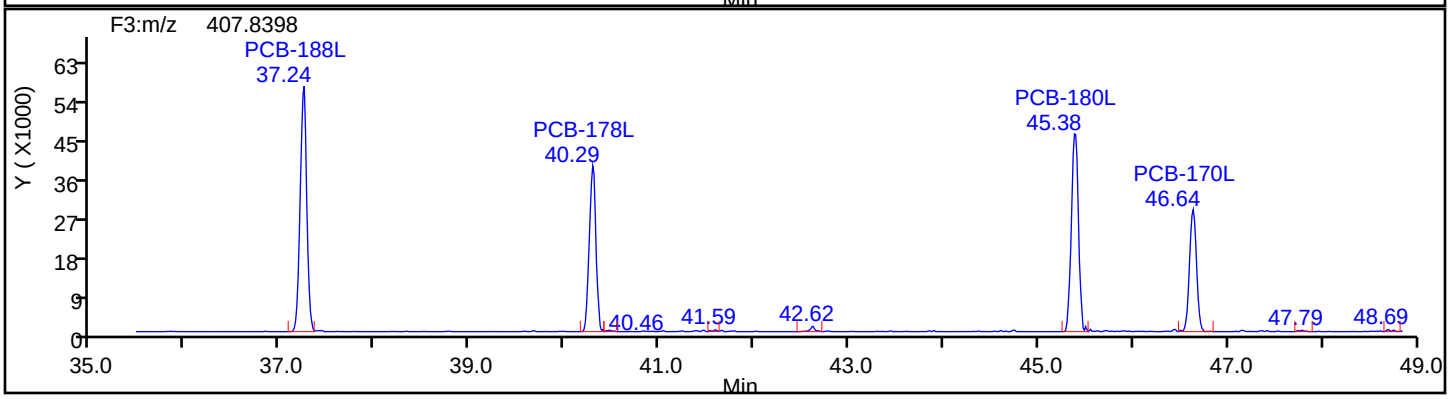
HpPCB F3




HpPCB F3 Standards



Eurofins TestAmerica, Knoxville

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| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
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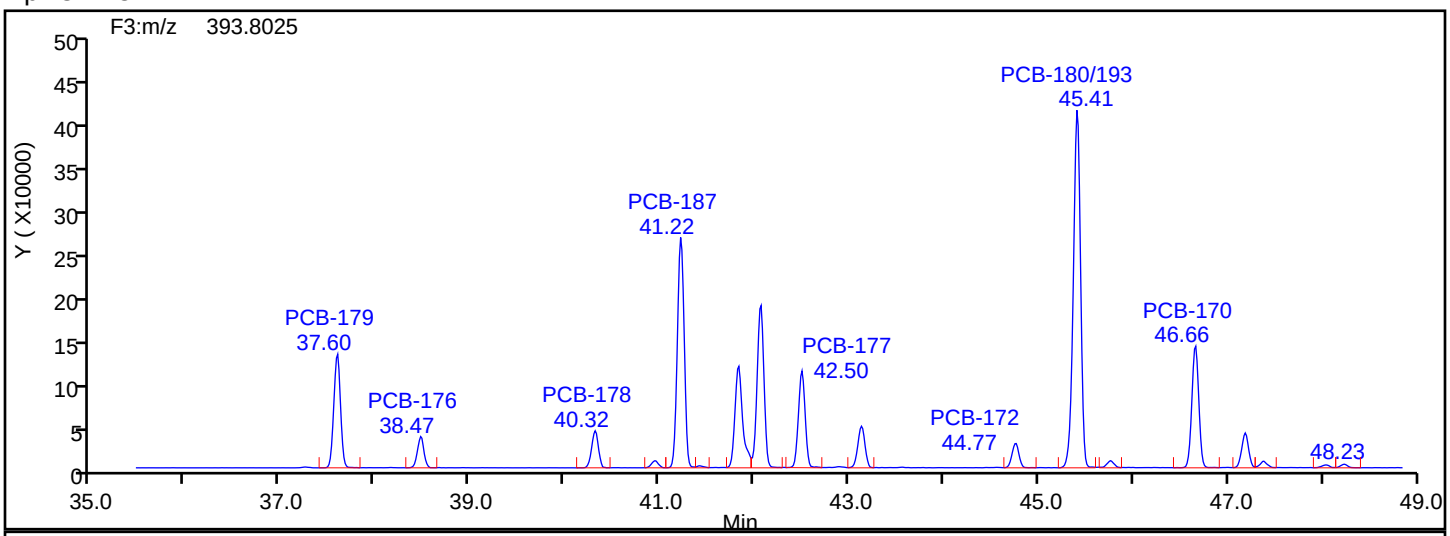
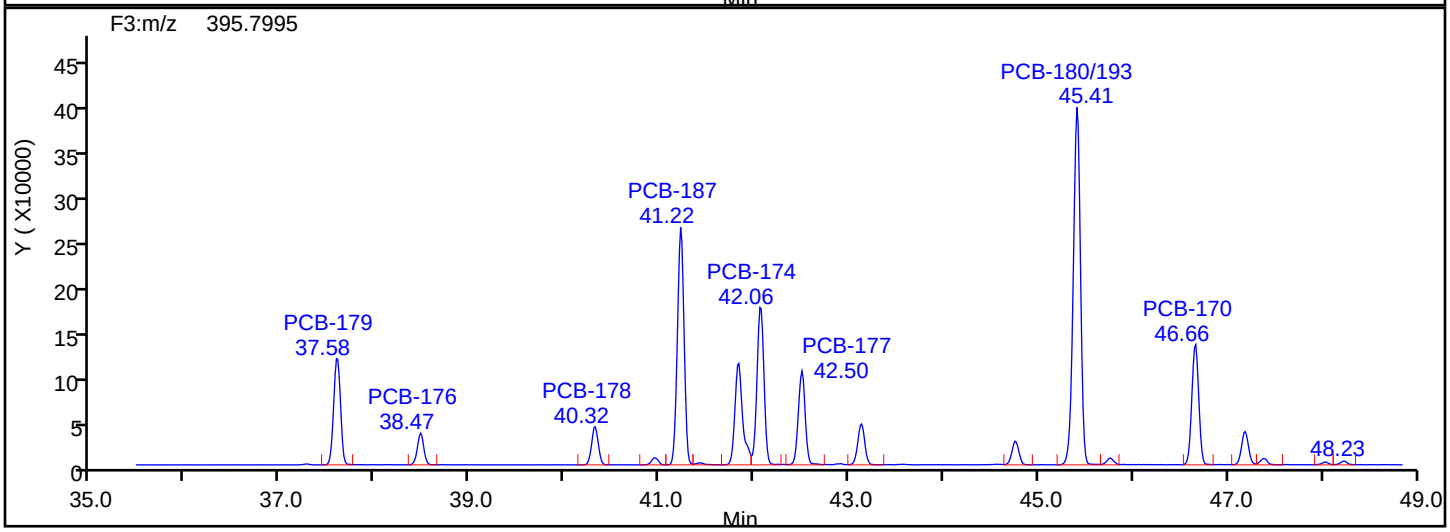
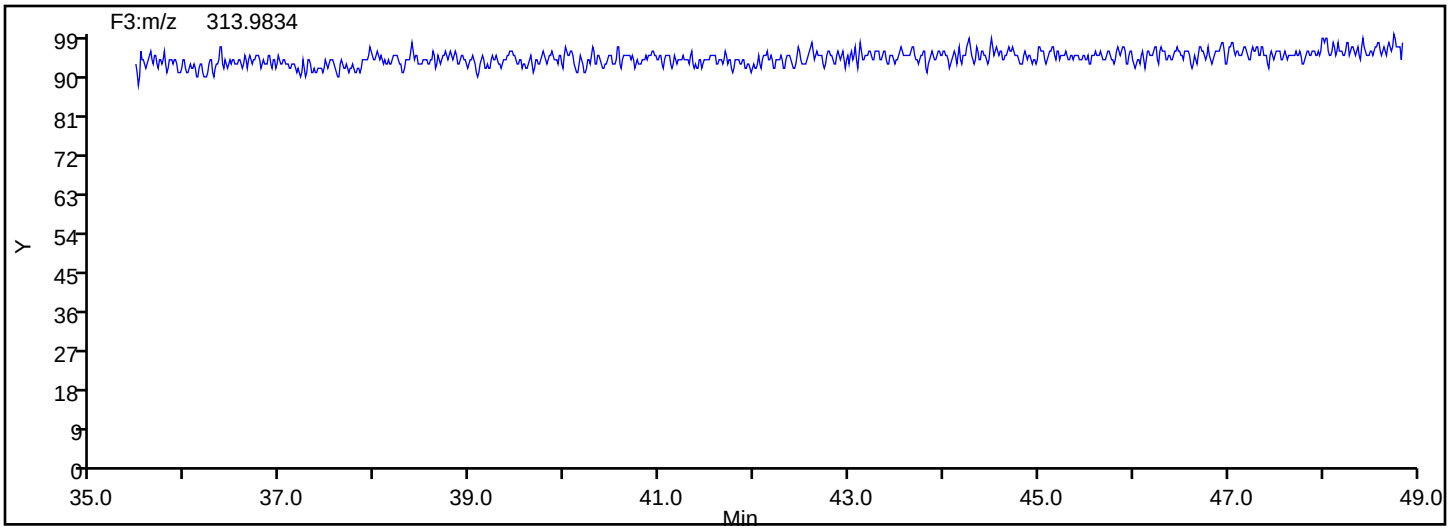
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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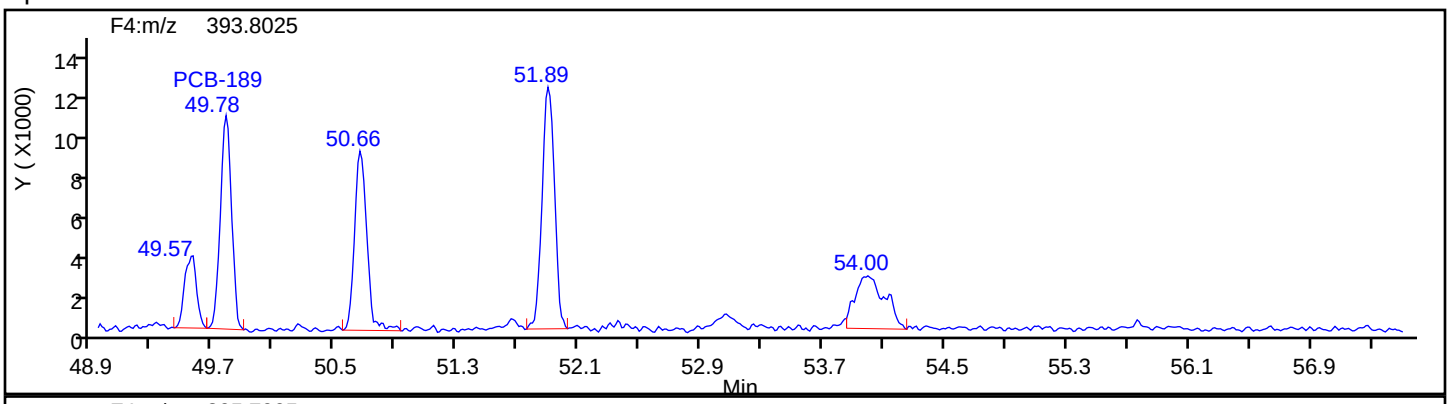
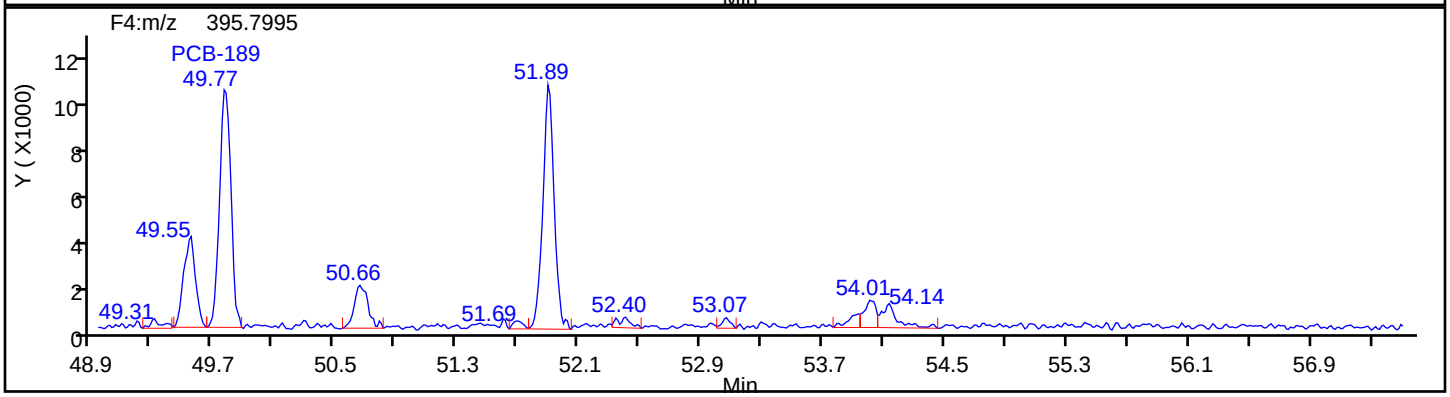
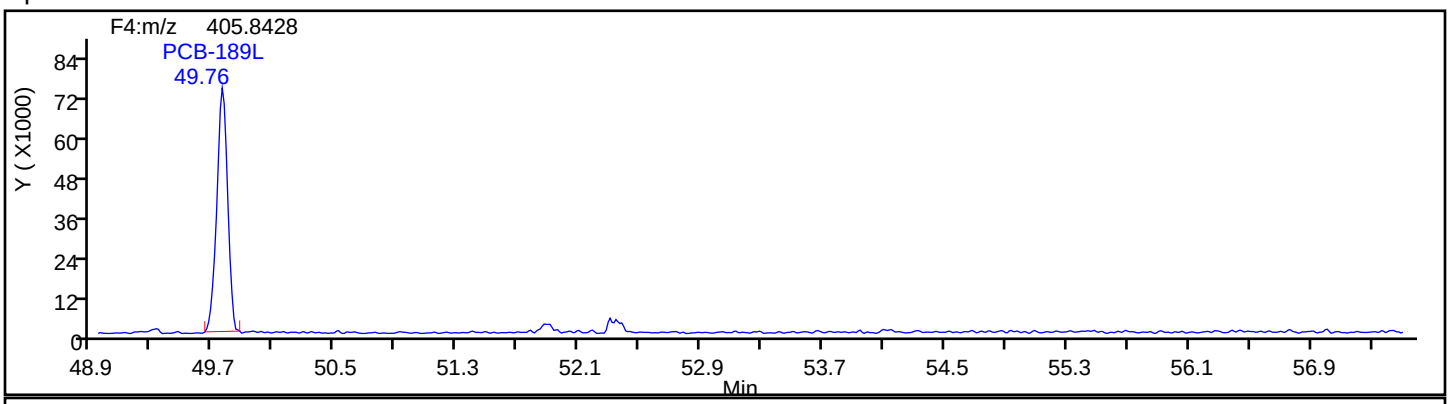
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

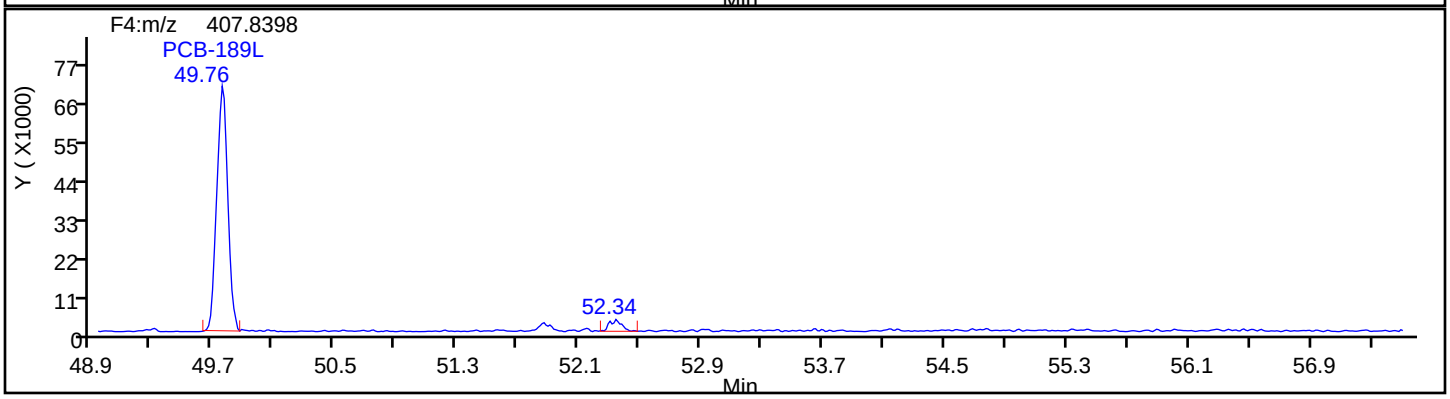
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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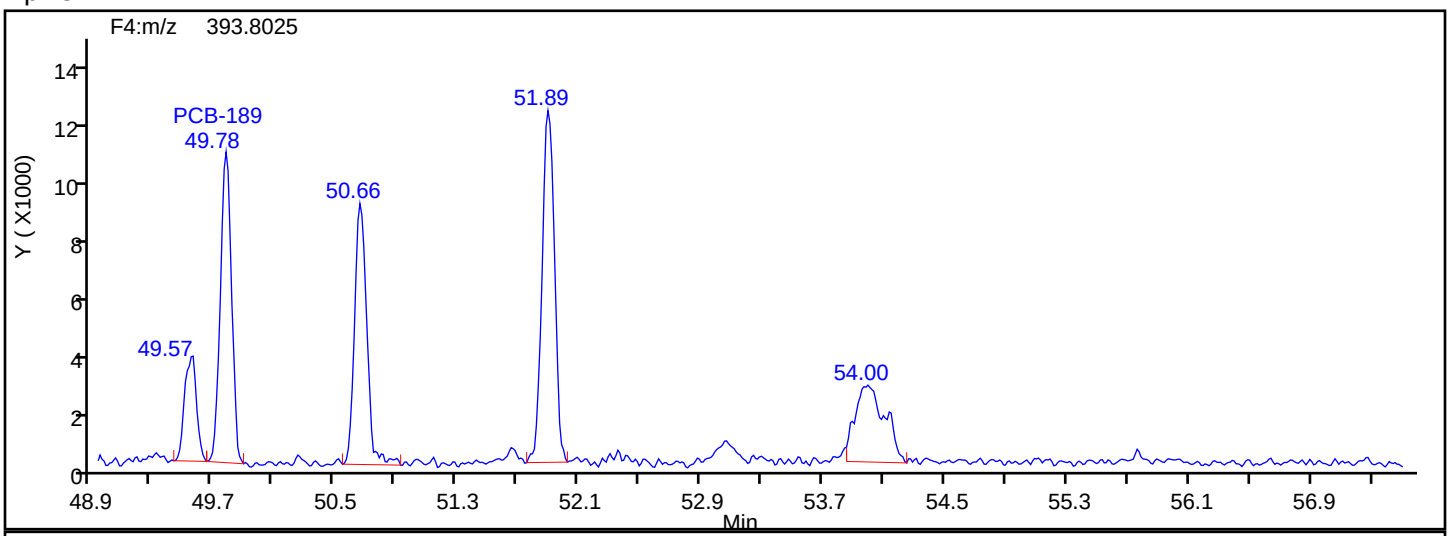
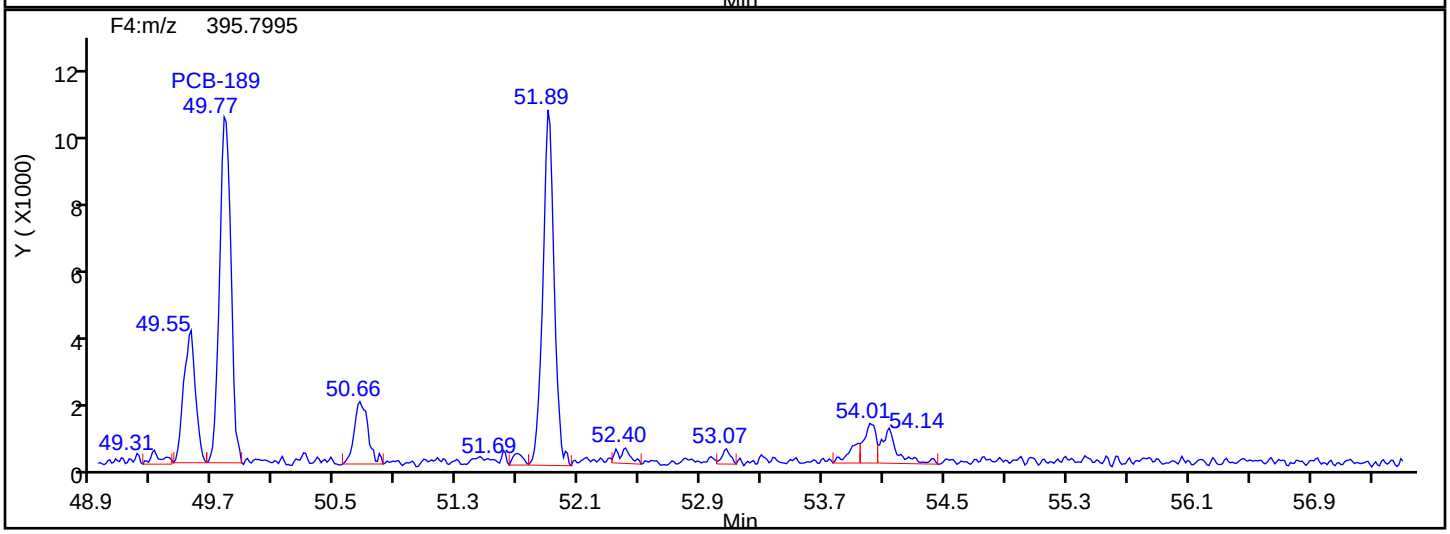
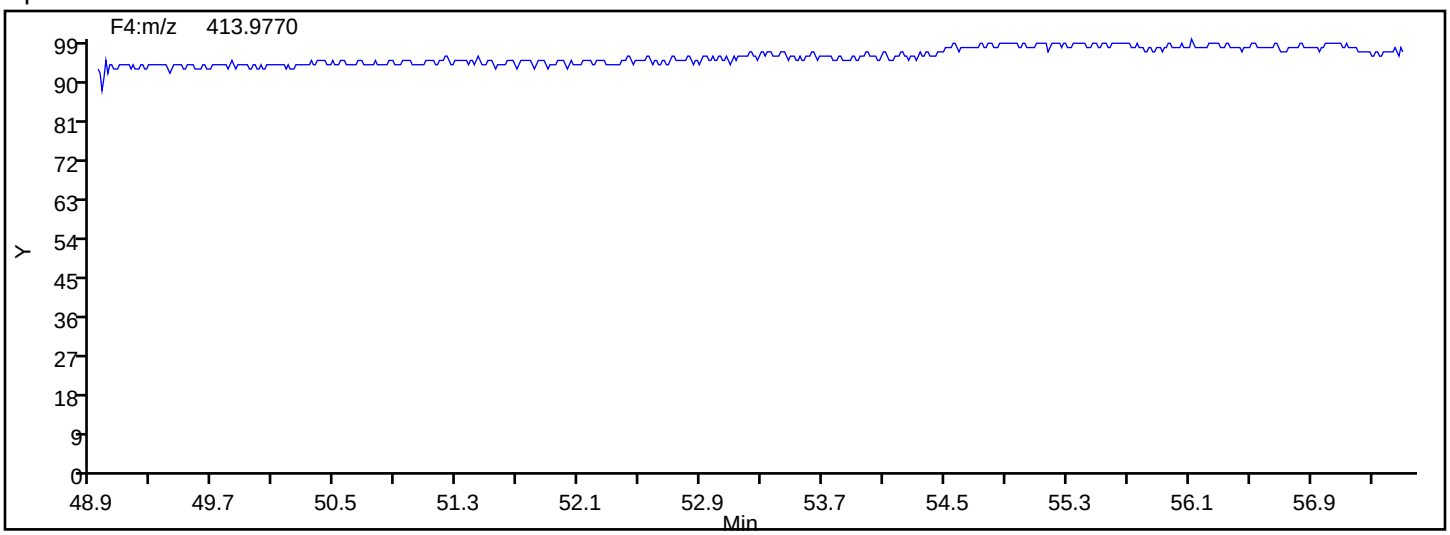
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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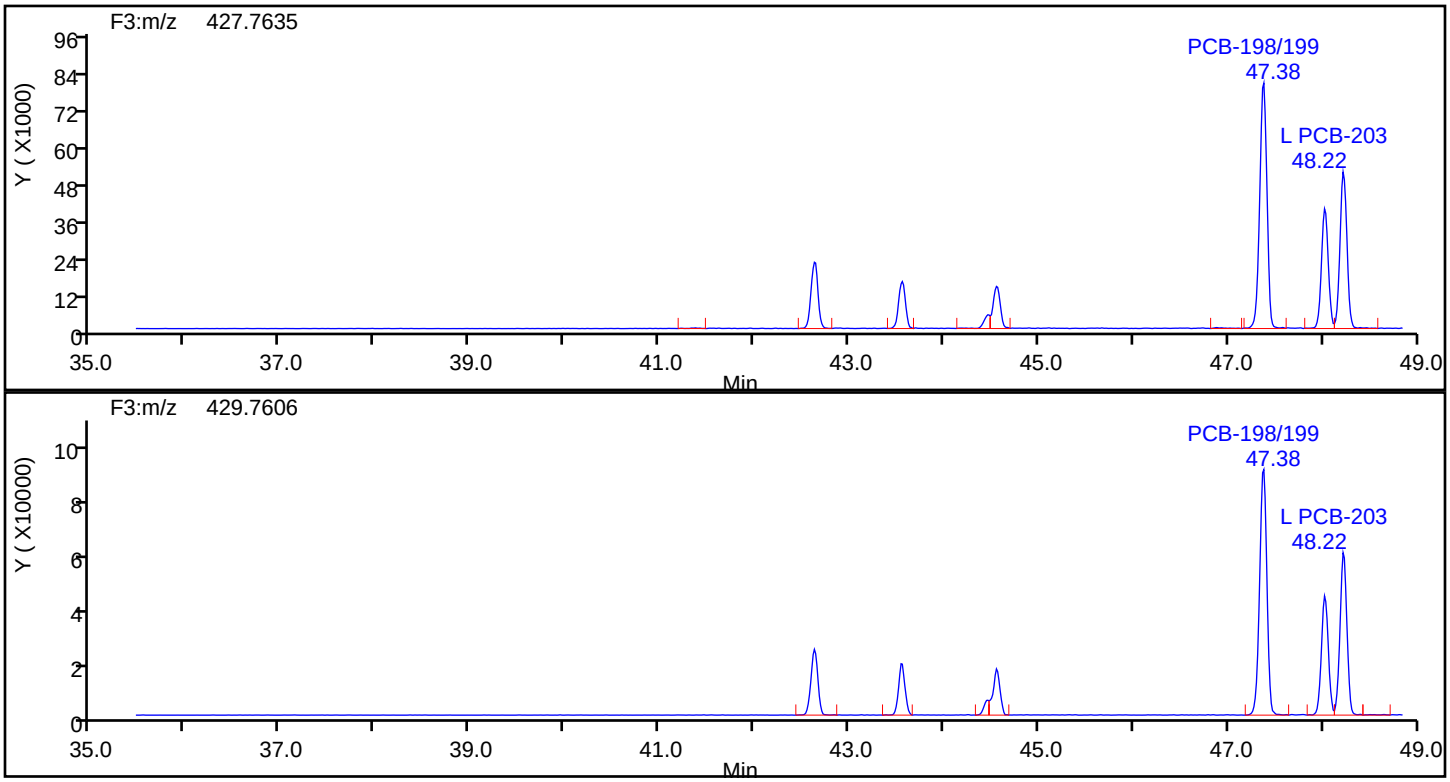
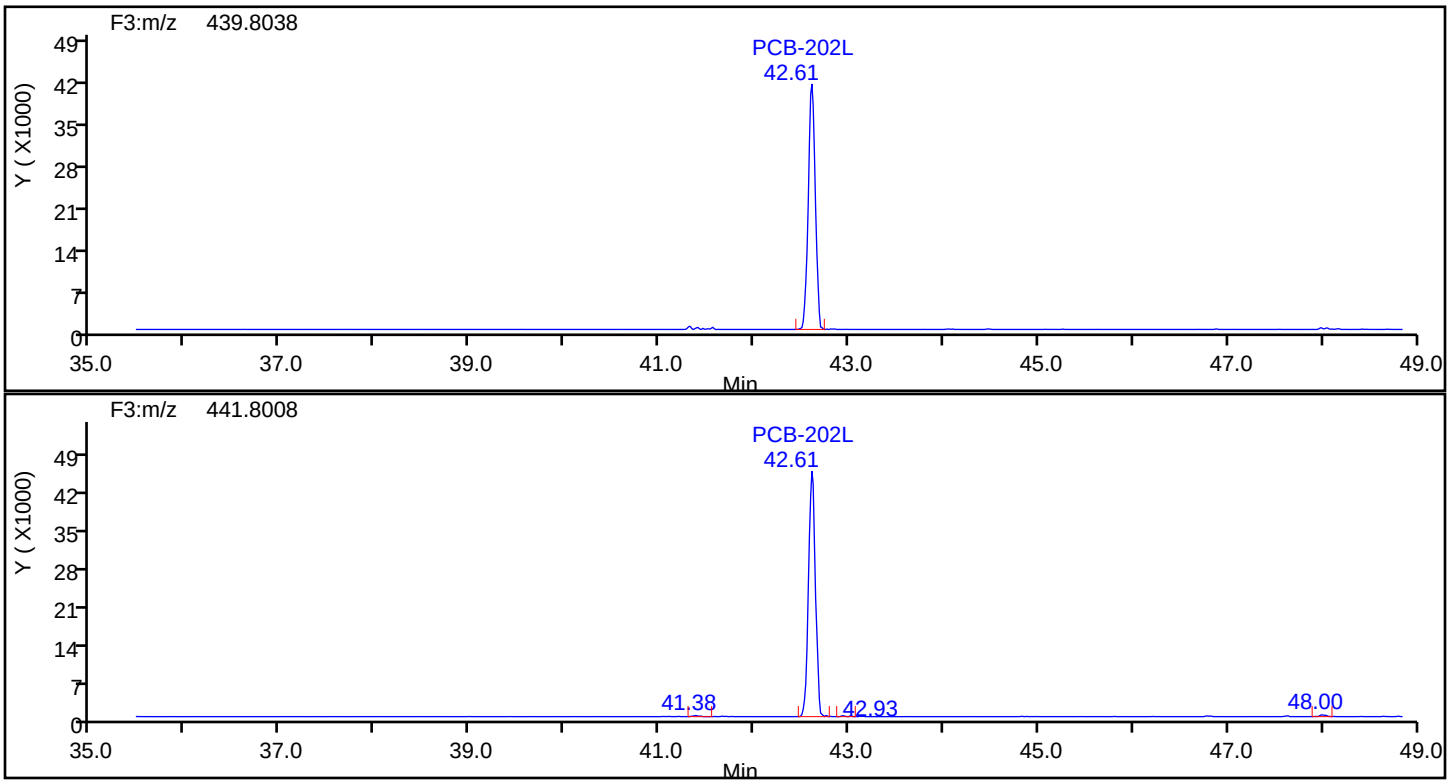
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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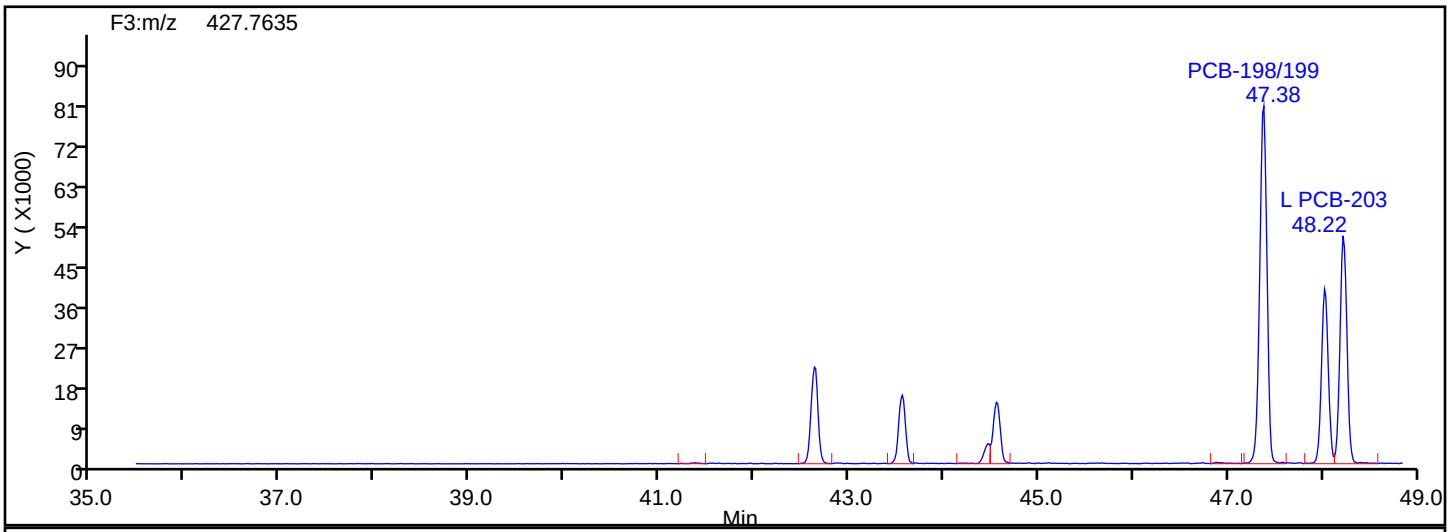
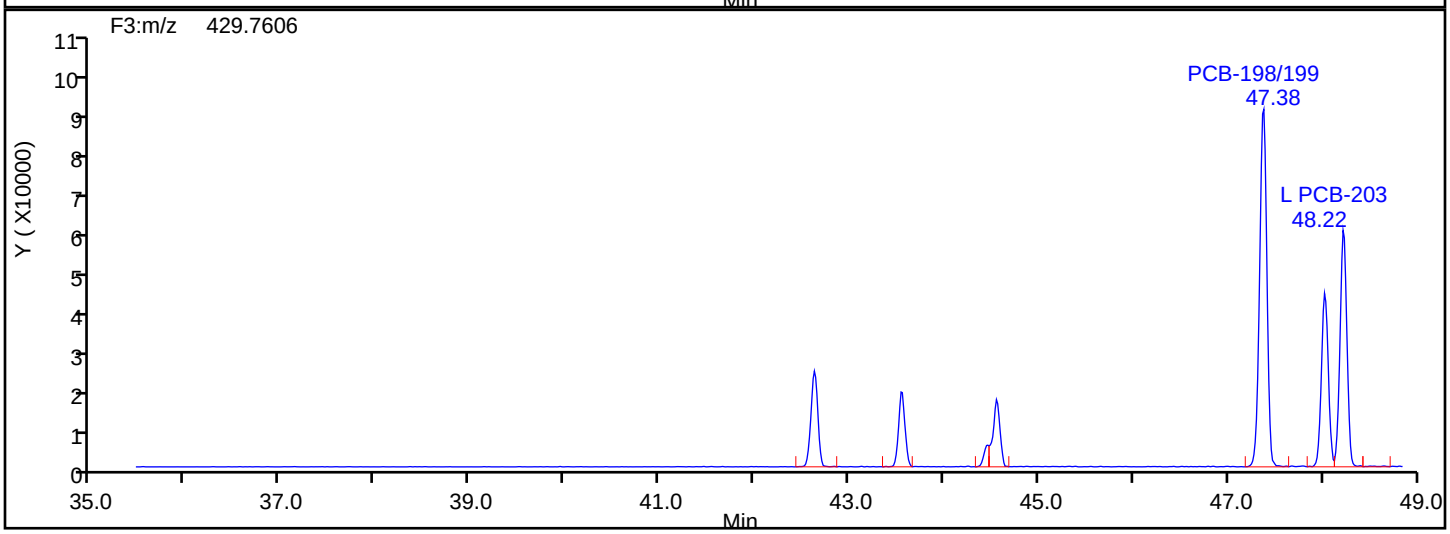
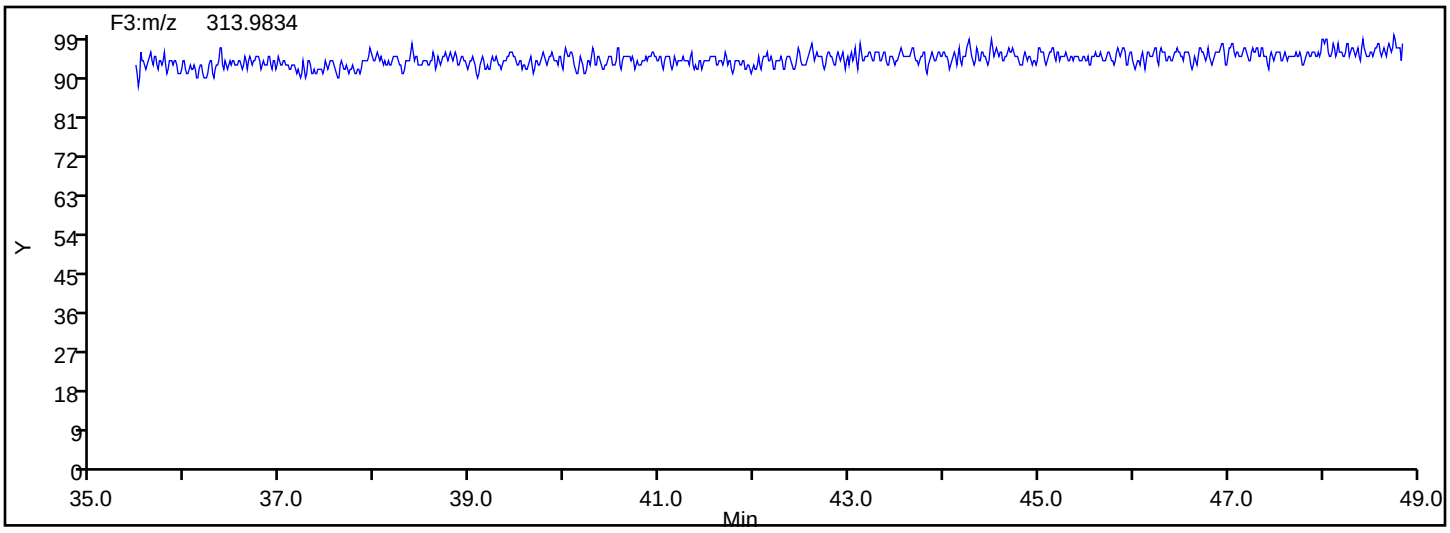
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Report Date: 04-Oct-2019 00:05:07 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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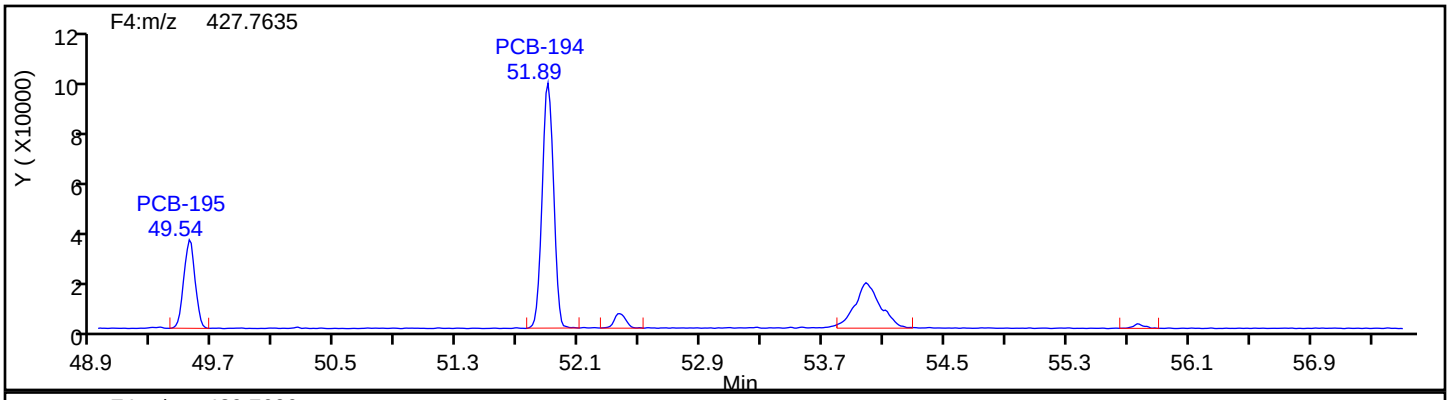
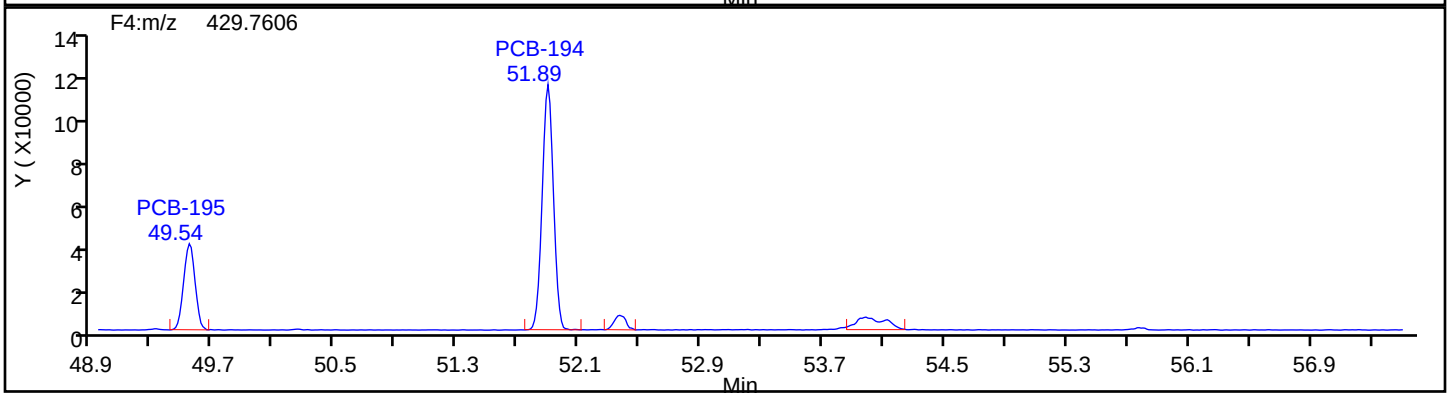
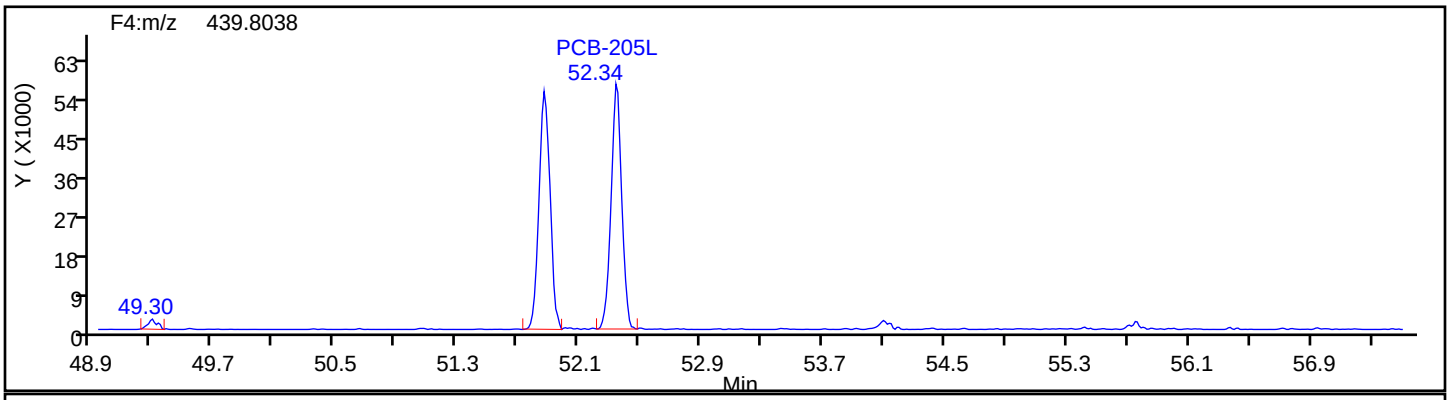
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

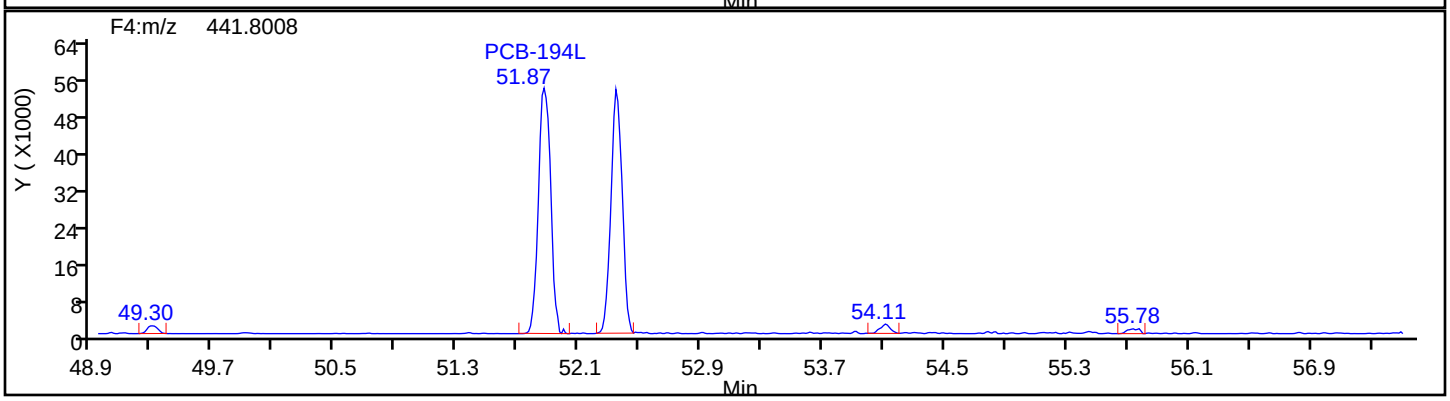
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
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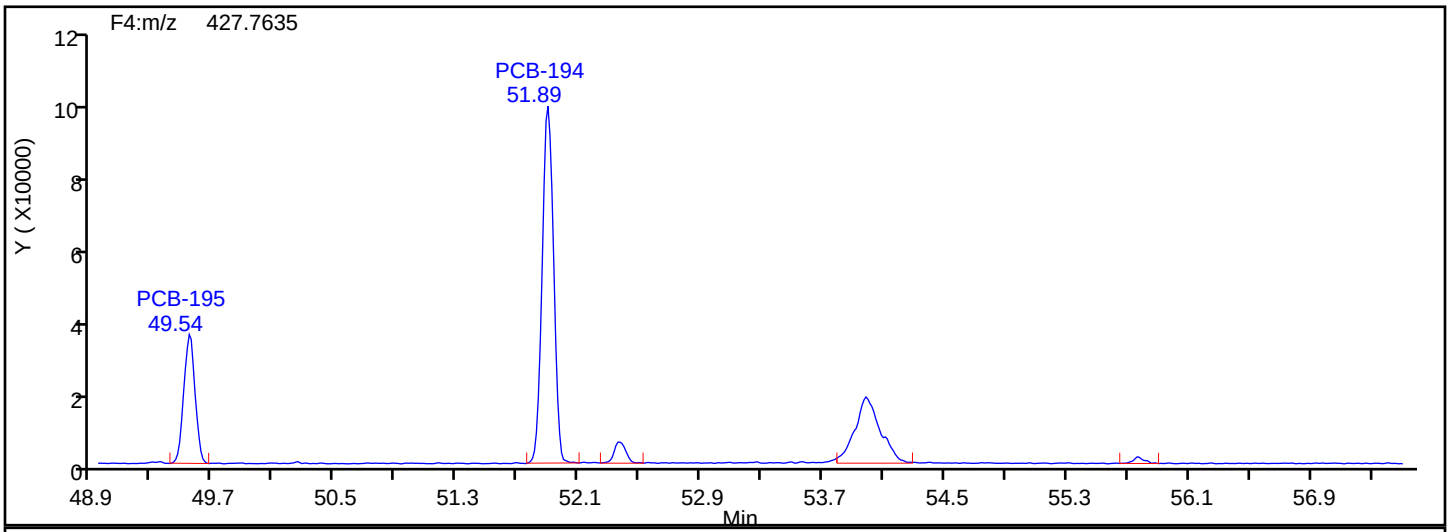
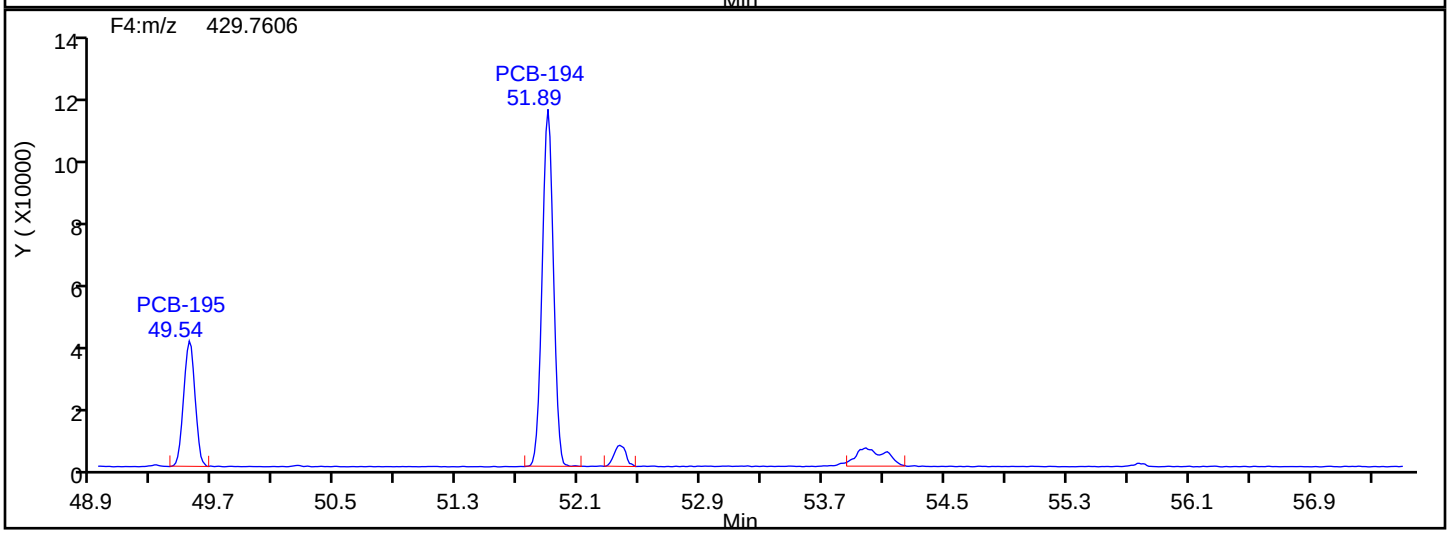
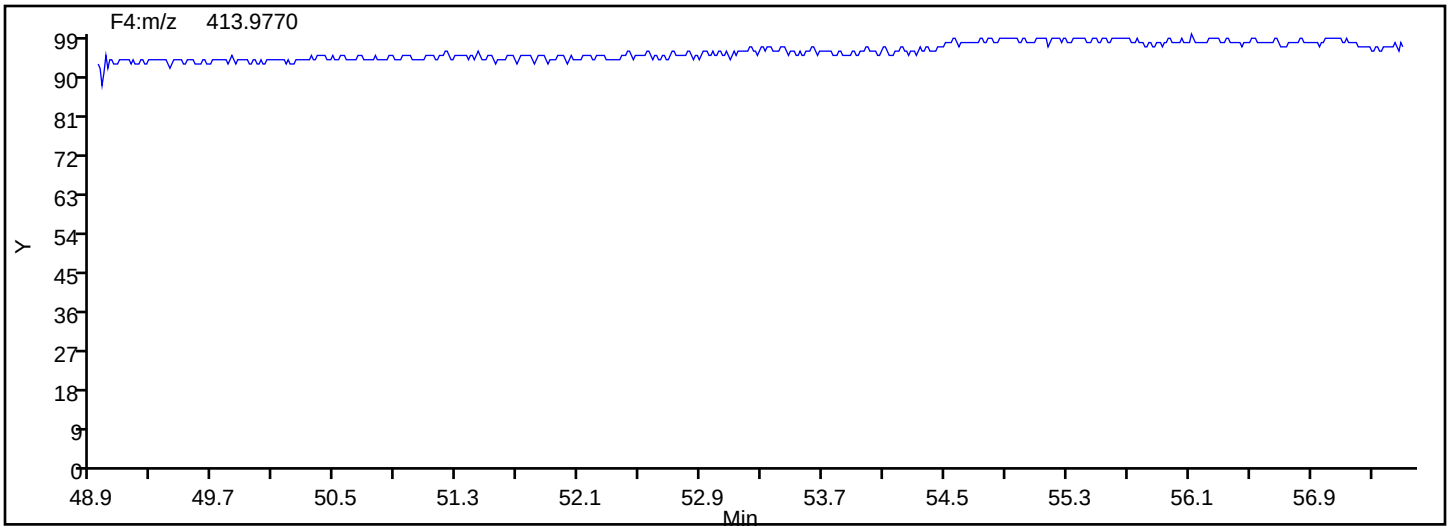
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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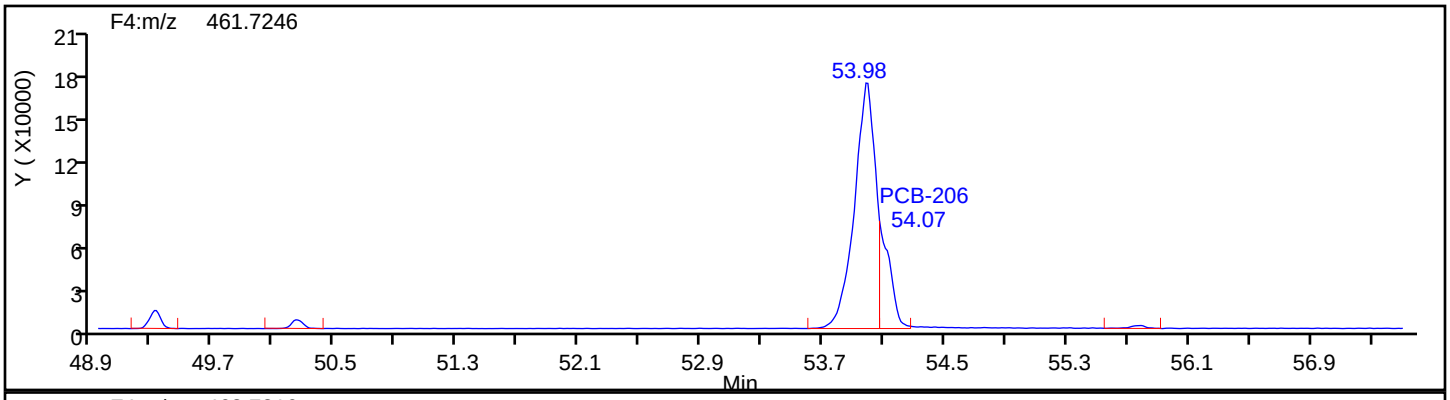
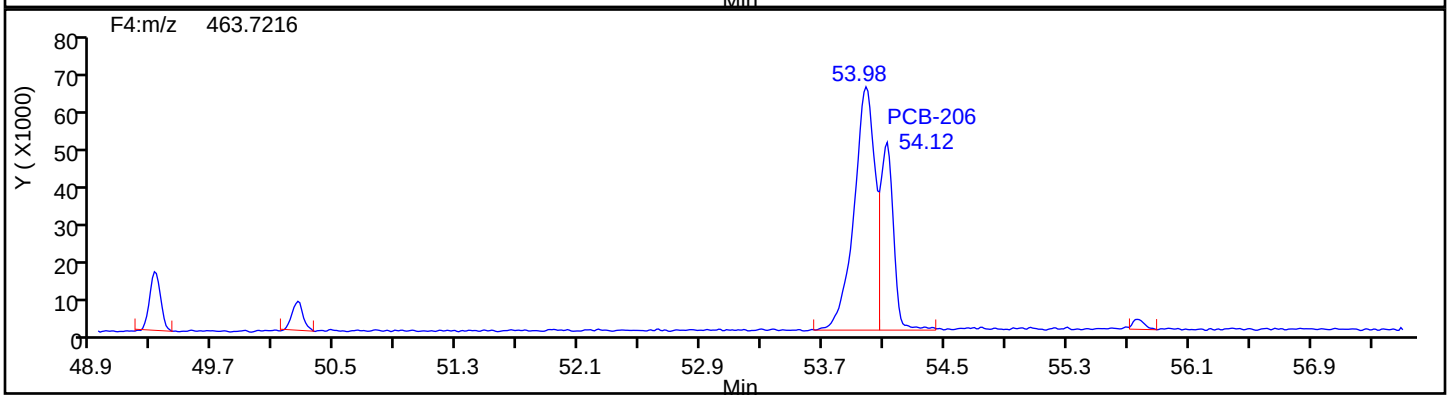
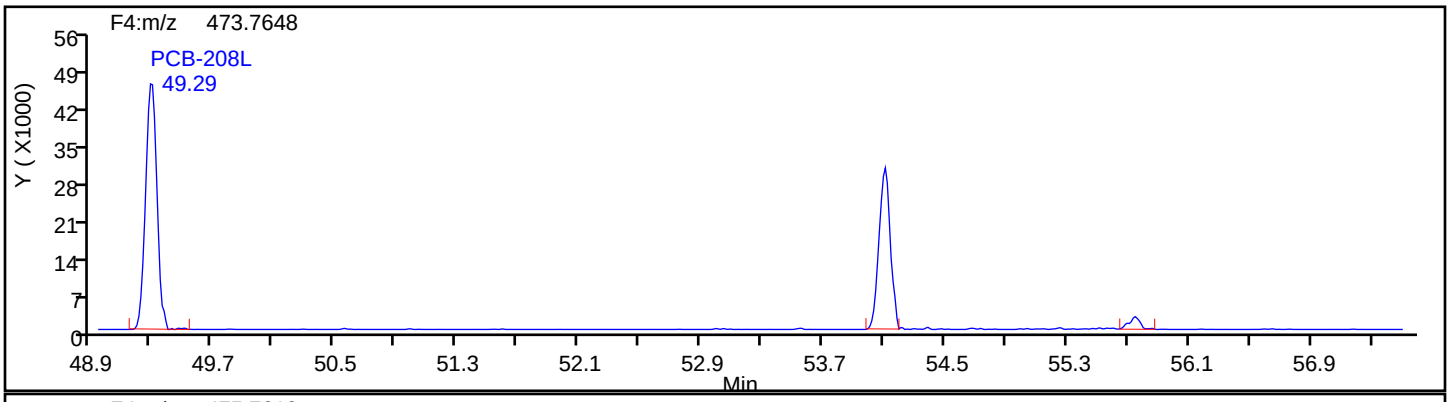
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

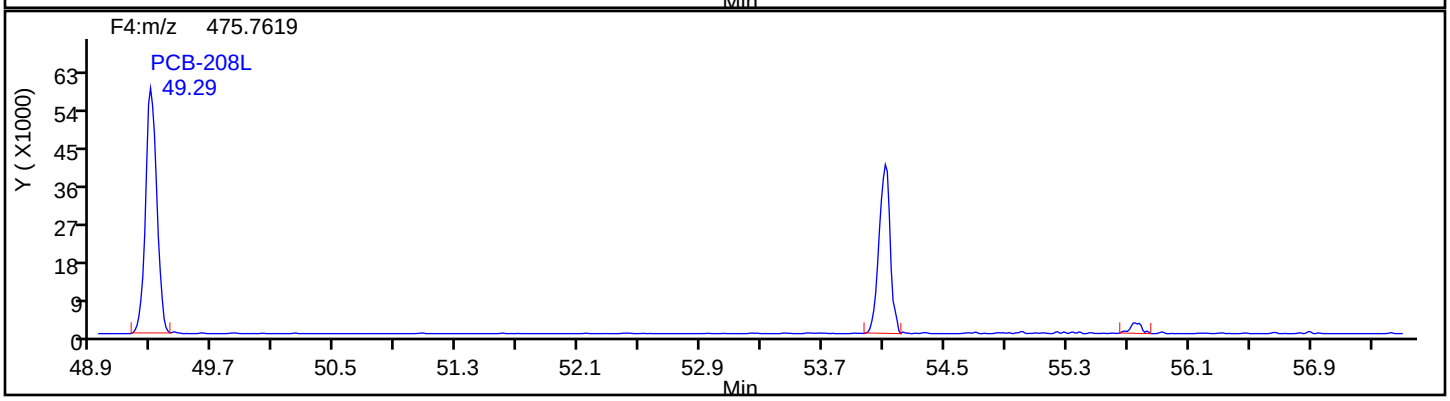
NoPCB F4




NoPCB F4 Standards

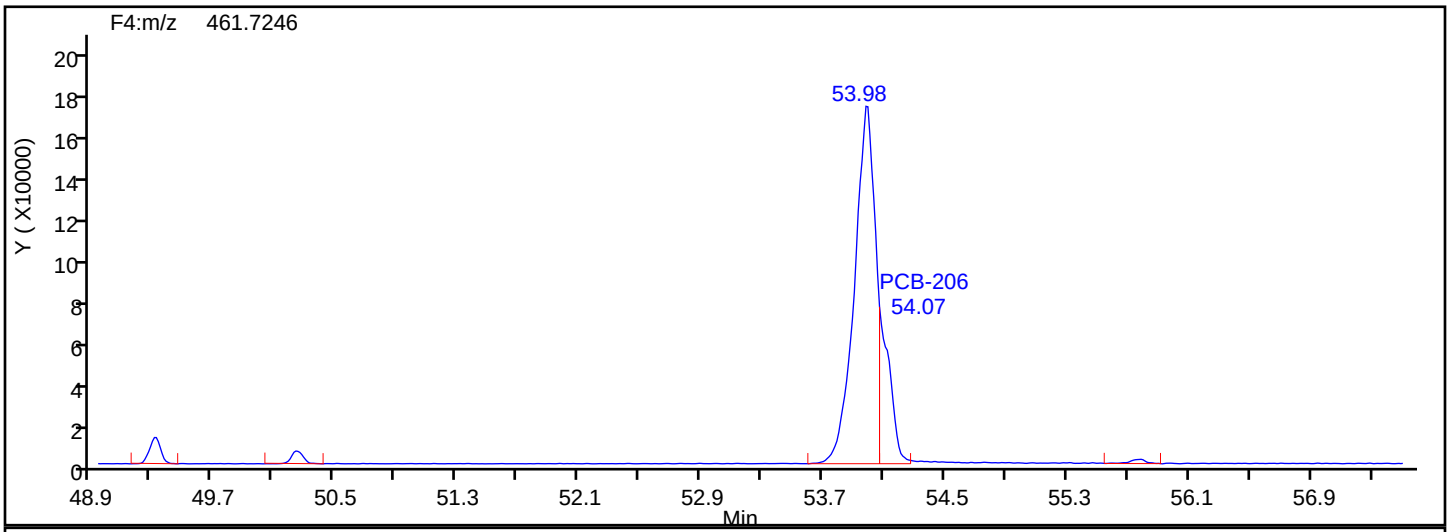


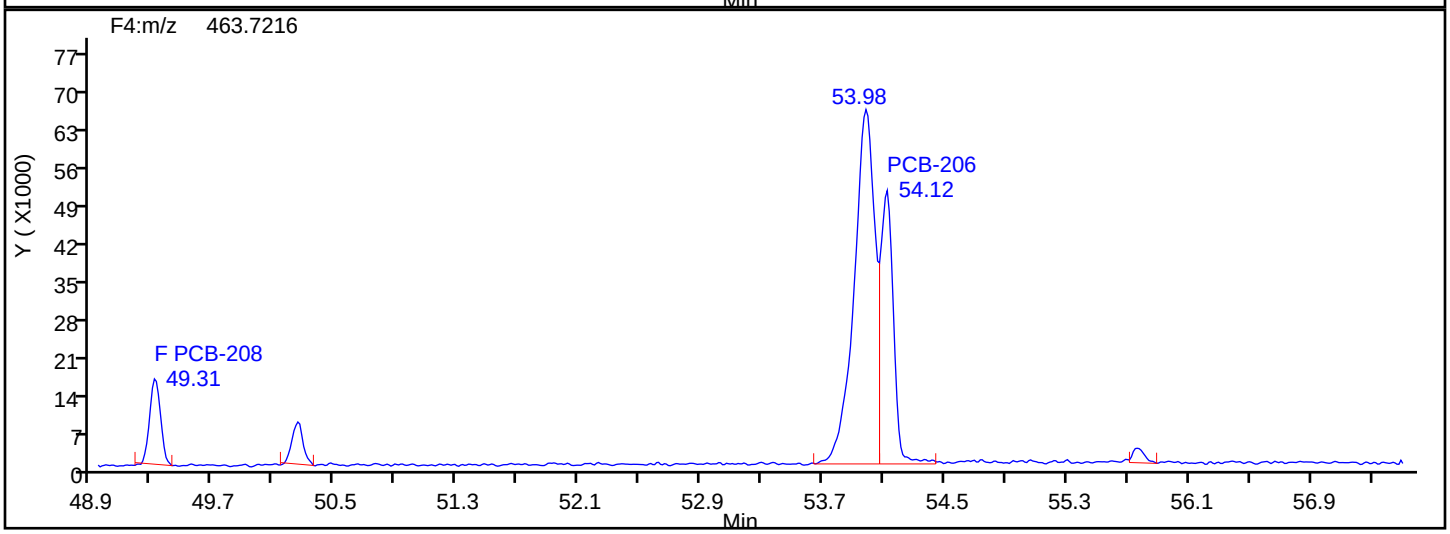



Eurofins TestAmerica, Knoxville

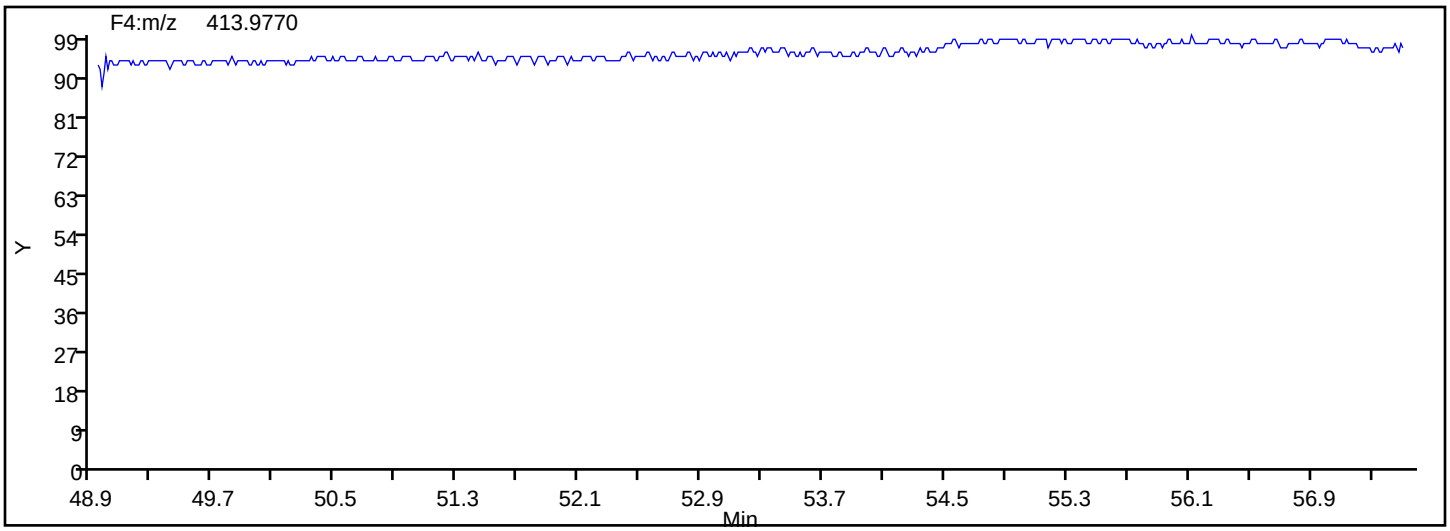
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

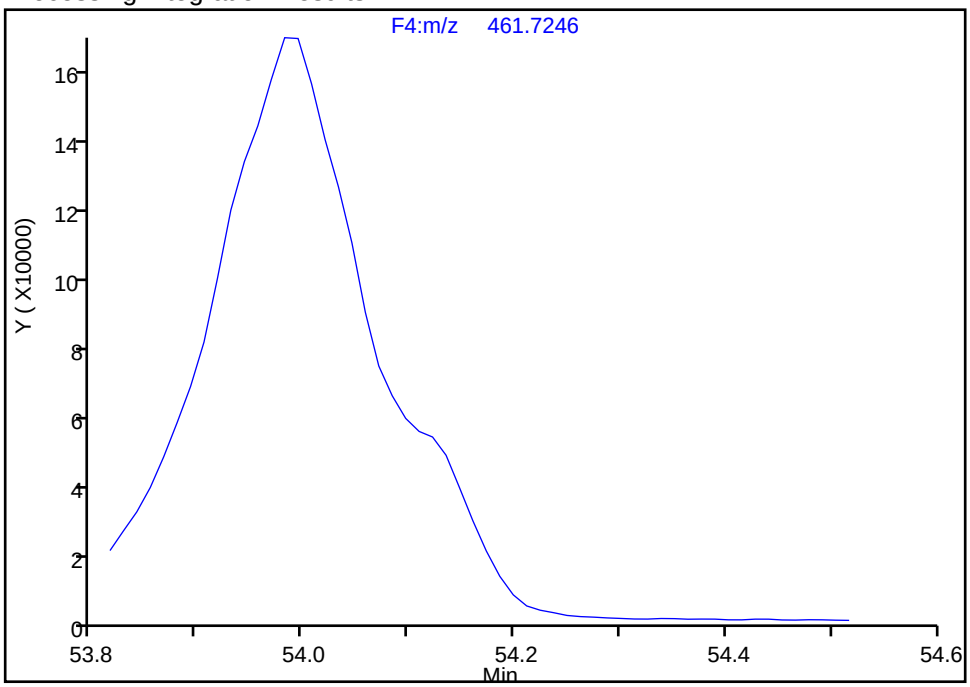
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-27-C | Lab Sample ID: | 140-88908-27 | | |
| Client ID: | J5-SC1b-30to40-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

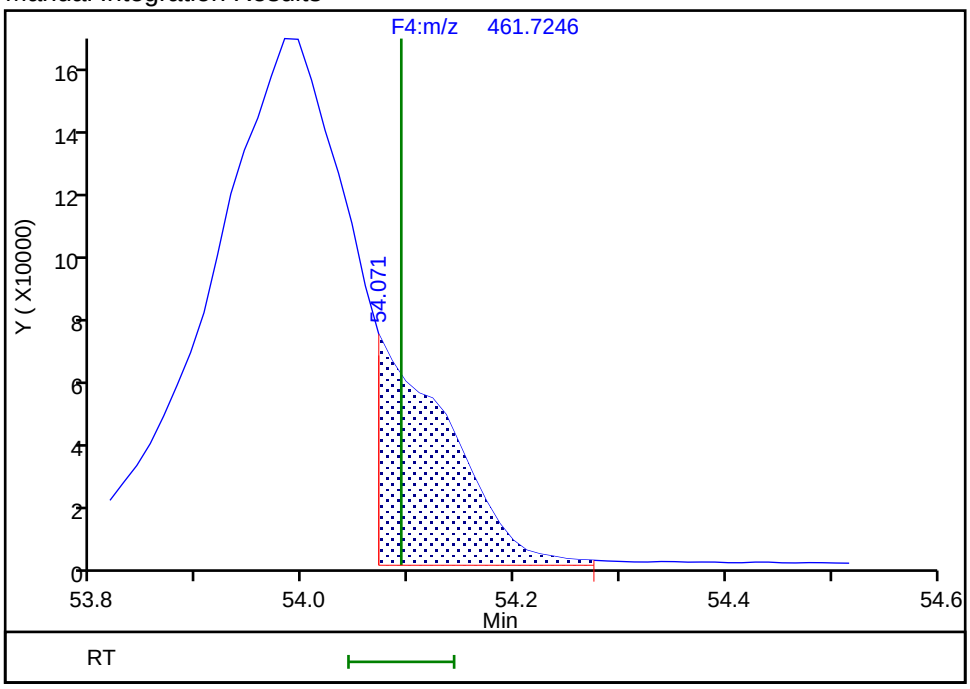
Not Detected
Expected RT: 54.09

Processing Integration Results




Manual Integration Results

RT: 54.07
Area: 335359
Amount: 28.696716
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:05:28
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Report Date: 04-Oct-2019 00:05:07 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d

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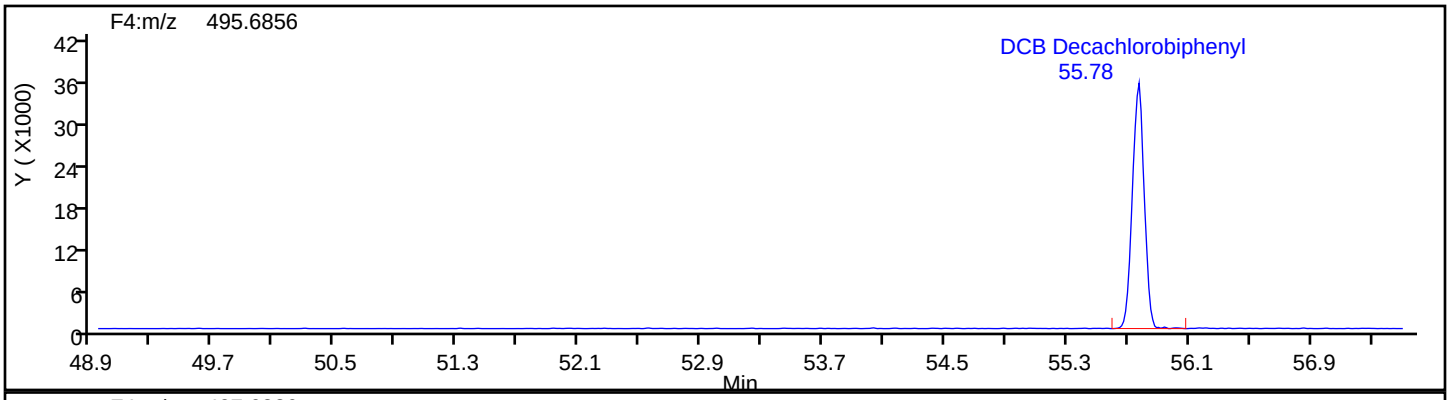
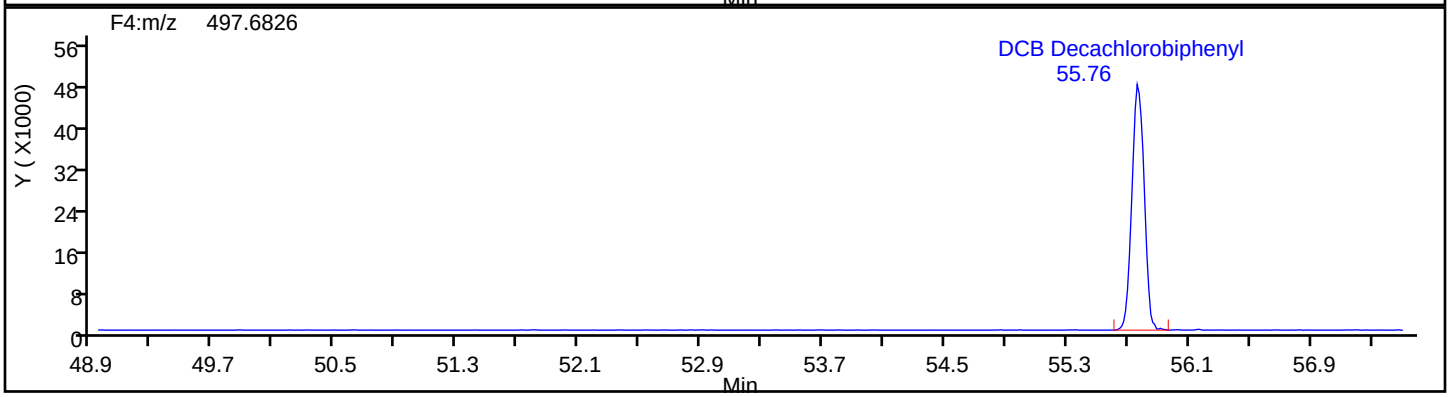
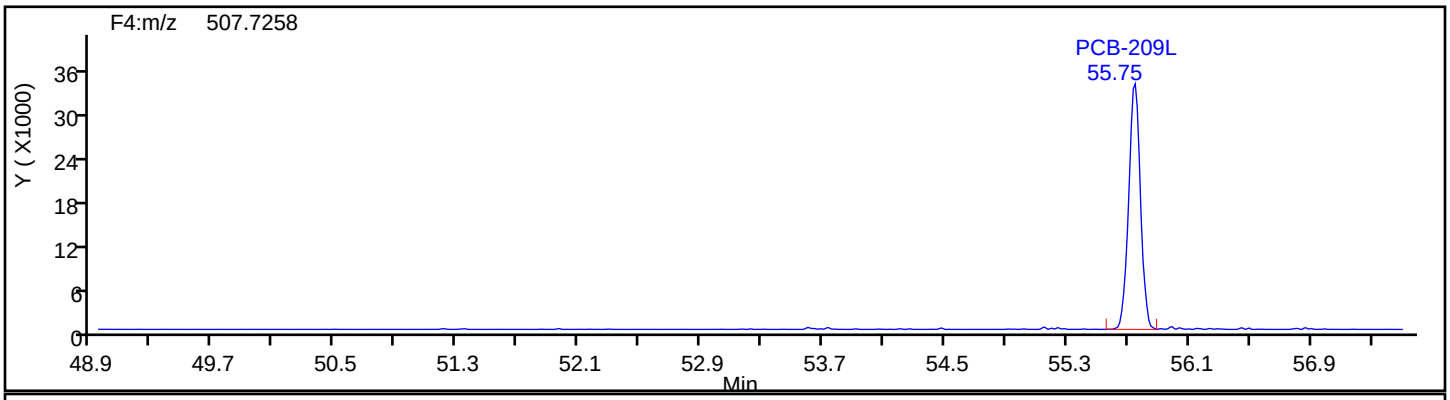
|---|---|---|---|
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

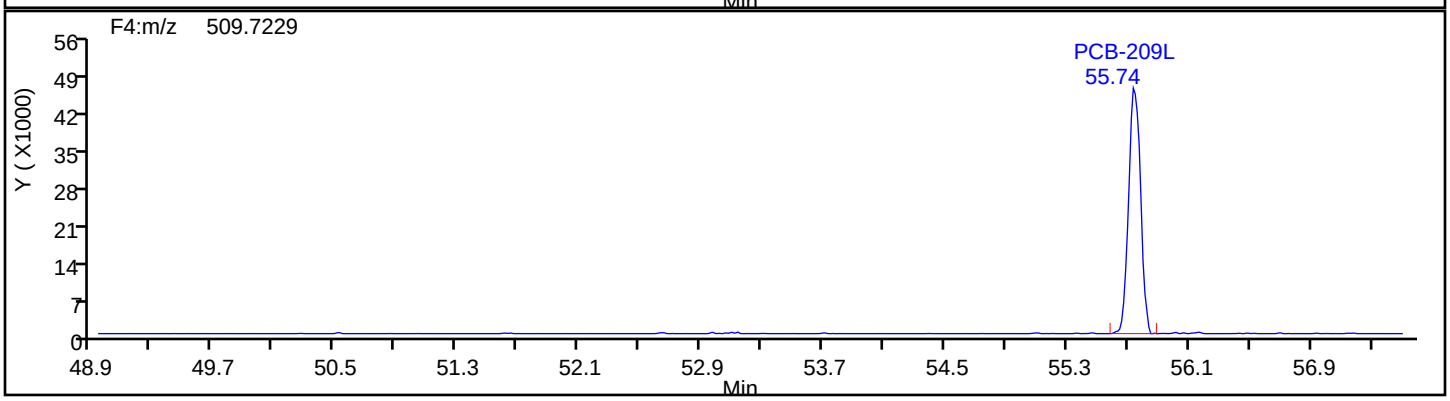
DePCB F4




DePCB F4 Standards

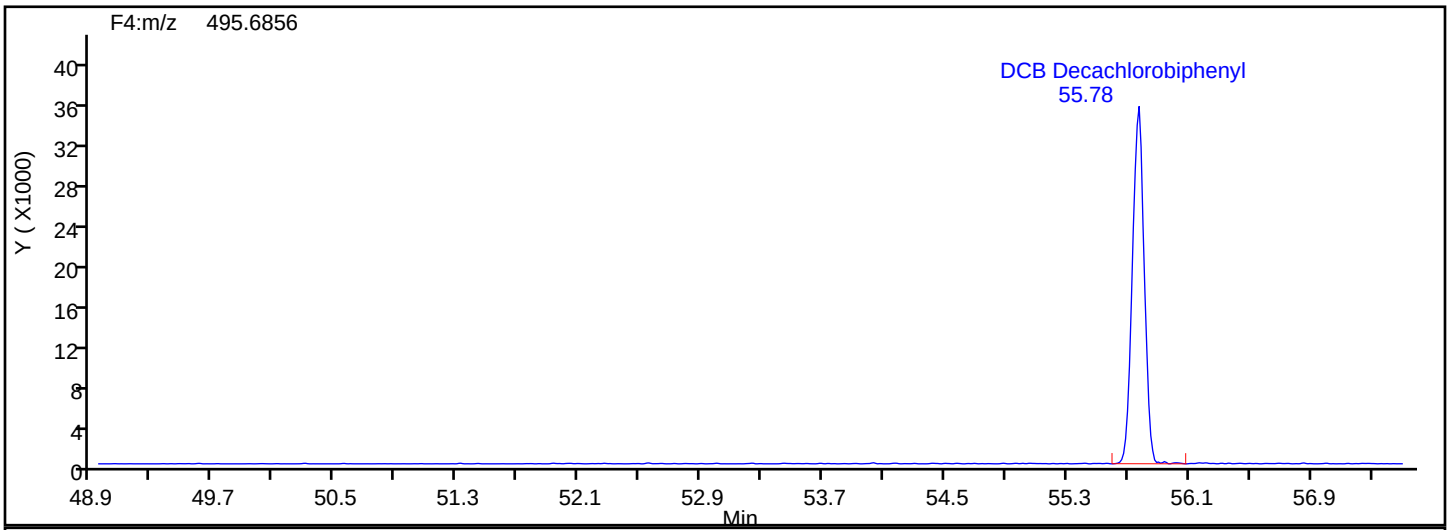


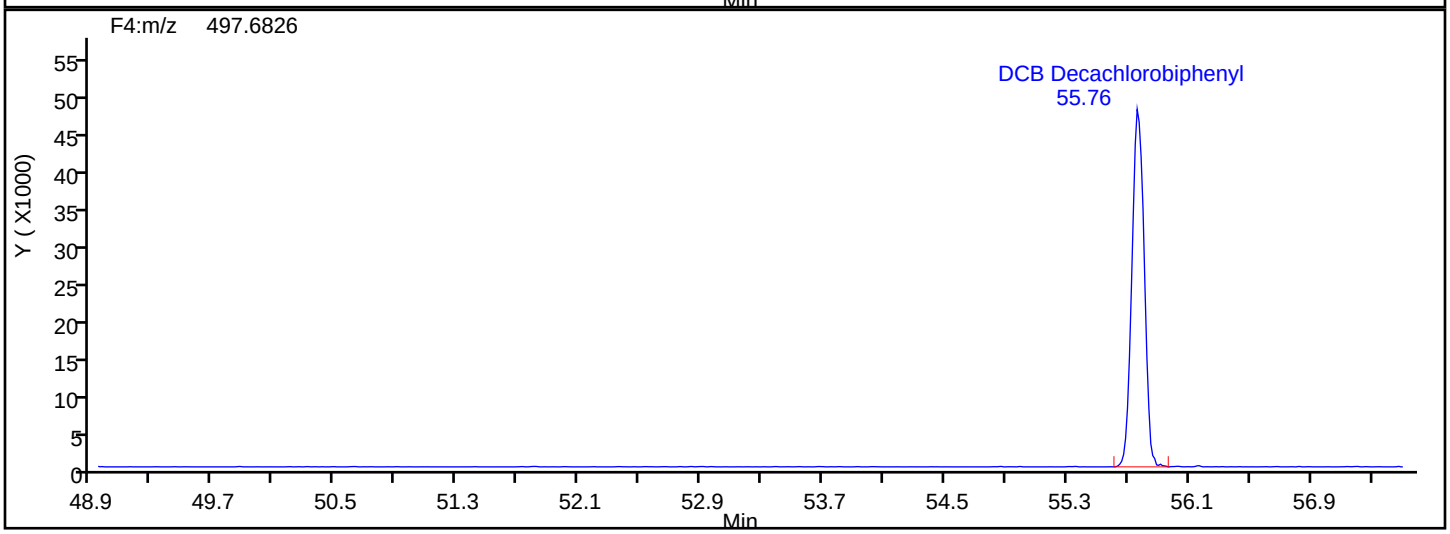



Eurofins TestAmerica, Knoxville

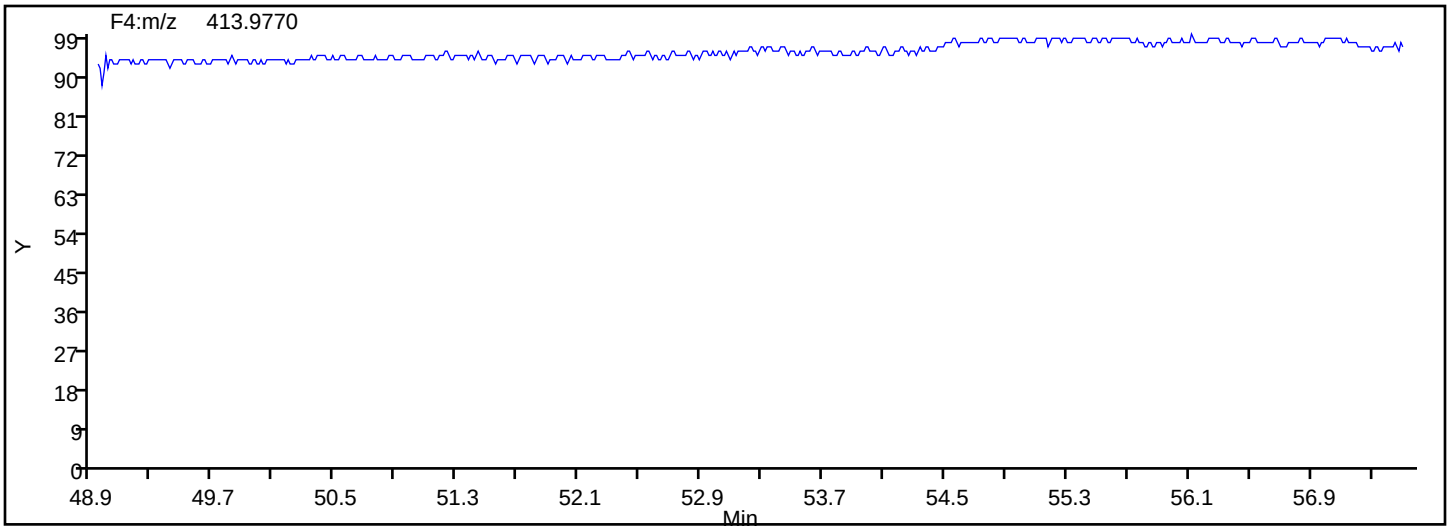
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-27-c_191003164337.d | | |
| Injection Date: | 03-Oct-2019 16:43:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-30to40-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.61 | | 0.049 | 0.0033 |
| 2051-61-8 | PCB-2 | 0.063 | | 0.049 | 0.0034 |
| 2051-62-9 | PCB-3 | 0.26 | | 0.049 | 0.0035 |
| 13029-08-8 | PCB-4 | 0.31 | | 0.098 | 0.0033 |
| 16605-91-7 | PCB-5 | 0.020 | J | 0.049 | 0.0020 |
| 25569-80-6 | PCB-6 | 0.24 | | 0.049 | 0.0020 |
| 33284-50-3 | PCB-7 | 0.053 | | 0.049 | 0.0019 |
| 34883-43-7 | PCB-8 | 0.78 | | 0.098 | 0.0020 |
| 34883-39-1 | PCB-9 | 0.069 | | 0.049 | 0.0022 |
| 33146-45-1 | PCB-10 | 0.020 | J q | 0.049 | 0.0021 |
| 2050-67-1 | PCB-11 | 0.059 | J B | 0.098 | 0.0019 |
| 2974-92-7 | PCB-12 | 0.12 | C | 0.098 | 0.0019 |
| 2974-90-5 | PCB-13 | 0.12 | C12 | 0.098 | 0.0019 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0017 |
| 2050-68-2 | PCB-15 | 0.47 | | 0.049 | 0.0018 |
| 38444-78-9 | PCB-16 | 0.64 | | 0.049 | 0.0031 |
| 37680-66-3 | PCB-17 | 0.92 | B | 0.049 | 0.0024 |
| 37680-65-2 | PCB-18 | 1.5 | C B | 0.098 | 0.0021 |
| 38444-73-4 | PCB-19 | 0.13 | | 0.049 | 0.0029 |
| 38444-84-7 | PCB-20 | 3.5 | C B | 0.098 | 0.016 |
| 55702-46-0 | PCB-21 | 1.4 | C B | 0.098 | 0.015 |
| 38444-85-8 | PCB-22 | 0.64 | B | 0.049 | 0.016 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.016 |
| 55702-45-9 | PCB-24 | 0.017 | J q | 0.049 | 0.0018 |
| 55712-37-3 | PCB-25 | 0.43 | | 0.049 | 0.015 |
| 38444-81-4 | PCB-26 | 0.69 | C B | 0.098 | 0.015 |
| 38444-76-7 | PCB-27 | 0.11 | | 0.049 | 0.0018 |
| 7012-37-5 | PCB-28 | 3.5 | C20 B | 0.098 | 0.016 |
| 15862-07-4 | PCB-29 | 0.69 | C26 B | 0.098 | 0.015 |
| 35693-92-6 | PCB-30 | 1.5 | C18 B | 0.098 | 0.0021 |
| 16606-02-3 | PCB-31 | 2.2 | B | 0.098 | 0.015 |
| 38444-77-8 | PCB-32 | 0.55 | | 0.049 | 0.0016 |
| 38444-86-9 | PCB-33 | 1.4 | C21 B | 0.098 | 0.015 |
| 37680-68-5 | PCB-34 | 0.054 | | 0.049 | 0.017 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.068 | | 0.049 | 0.017 |
| 38444-87-0 | PCB-36 | 0.016 | J | 0.049 | 0.015 |
| 38444-90-5 | PCB-37 | 0.86 | B | 0.049 | 0.016 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.015 |
| 38444-88-1 | PCB-39 | 0.086 | | 0.049 | 0.015 |
| 38444-93-8 | PCB-40 | 2.6 | C | 0.15 | 0.0098 |
| 52663-59-9 | PCB-41 | 2.6 | C40 | 0.15 | 0.0098 |
| 36559-22-5 | PCB-42 | 2.1 | | 0.049 | 0.010 |
| 70362-46-8 | PCB-43 | 0.12 | q C | 0.098 | 0.0090 |
| 41464-39-5 | PCB-44 | 8.1 | C B | 0.15 | 0.0087 |
| 70362-45-7 | PCB-45 | 0.76 | C B | 0.098 | 0.010 |
| 41464-47-5 | PCB-46 | 0.23 | | 0.049 | 0.012 |
| 2437-79-8 | PCB-47 | 8.1 | C44 B | 0.15 | 0.0087 |
| 70362-47-9 | PCB-48 | 0.71 | | 0.049 | 0.0095 |
| 41464-40-8 | PCB-49 | 7.5 | C B | 0.098 | 0.0079 |
| 62796-65-0 | PCB-50 | 0.64 | C | 0.098 | 0.0096 |
| 68194-04-7 | PCB-51 | 0.76 | C45 B | 0.098 | 0.010 |
| 35693-99-3 | PCB-52 | 13 | B | 0.049 | 0.010 |
| 41464-41-9 | PCB-53 | 0.64 | C50 | 0.098 | 0.0096 |
| 15968-05-5 | PCB-54 | 0.026 | J | 0.049 | 0.00035 |
| 74338-24-2 | PCB-55 | 0.049 | q | 0.049 | 0.0069 |
| 41464-43-1 | PCB-56 | 2.7 | | 0.049 | 0.0071 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.0070 |
| 41464-49-7 | PCB-58 | 0.14 | | 0.049 | 0.0068 |
| 74472-33-6 | PCB-59 | 0.55 | C | 0.15 | 0.0066 |
| 33025-41-1 | PCB-60 | 0.32 | | 0.049 | 0.0068 |
| 33284-53-6 | PCB-61 | 15 | C B | 0.20 | 0.0066 |
| 54230-22-7 | PCB-62 | 0.55 | C59 | 0.15 | 0.0066 |
| 74472-34-7 | PCB-63 | 0.36 | | 0.049 | 0.0061 |
| 52663-58-8 | PCB-64 | 2.1 | | 0.049 | 0.0063 |
| 33284-54-7 | PCB-65 | 8.1 | C44 B | 0.15 | 0.0087 |
| 32598-10-0 | PCB-66 | 10 | B | 0.049 | 0.0070 |
| 73575-53-8 | PCB-67 | 0.20 | | 0.049 | 0.0064 |
| 73575-52-7 | PCB-68 | 0.32 | B | 0.049 | 0.0061 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 7.5 | C49 B | 0.098 | 0.0079 |
| 32598-11-1 | PCB-70 | 15 | C61 B | 0.20 | 0.0066 |
| 41464-46-4 | PCB-71 | 2.6 | C40 | 0.15 | 0.0098 |
| 41464-42-0 | PCB-72 | 0.58 | | 0.049 | 0.0068 |
| 74338-23-1 | PCB-73 | 0.12 | q C43 | 0.098 | 0.0090 |
| 32690-93-0 | PCB-74 | 15 | C61 B | 0.20 | 0.0066 |
| 32598-12-2 | PCB-75 | 0.55 | C59 | 0.15 | 0.0066 |
| 70362-48-0 | PCB-76 | 15 | C61 B | 0.20 | 0.0066 |
| 32598-13-3 | PCB-77 | 0.82 | | 0.049 | 0.0067 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.0068 |
| 41464-48-6 | PCB-79 | 0.35 | | 0.049 | 0.0058 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0061 |
| 70362-50-4 | PCB-81 | ND | | 0.049 | 0.0068 |
| 52663-62-4 | PCB-82 | 2.4 | B | 0.049 | 0.0016 |
| 60145-20-2 | PCB-83 | 19 | C B | 0.098 | 0.0015 |
| 52663-60-2 | PCB-84 | 6.1 | B | 0.049 | 0.0017 |
| 65510-45-4 | PCB-85 | 3.7 | C | 0.15 | 0.0012 |
| 55312-69-1 | PCB-86 | 15 | C B | 0.29 | 0.0012 |
| 38380-02-8 | PCB-87 | 15 | C86 B | 0.29 | 0.0012 |
| 55215-17-3 | PCB-88 | 3.9 | C B | 0.098 | 0.0014 |
| 73575-57-2 | PCB-89 | 0.18 | | 0.049 | 0.0016 |
| 68194-07-0 | PCB-90 | 27 | C B | 0.15 | 0.0013 |
| 68194-05-8 | PCB-91 | 3.9 | C88 B | 0.098 | 0.0014 |
| 52663-61-3 | PCB-92 | 6.7 | B | 0.049 | 0.0015 |
| 73575-56-1 | PCB-93 | 0.45 | C | 0.098 | 0.0014 |
| 73575-55-0 | PCB-94 | ND | | 0.049 | 0.0016 |
| 38379-99-6 | PCB-95 | 19 | B | 0.049 | 0.0015 |
| 73575-54-9 | PCB-96 | 0.14 | | 0.049 | 0.0012 |
| 41464-51-1 | PCB-97 | 15 | C86 B | 0.29 | 0.0012 |
| 60233-25-2 | PCB-98 | 0.78 | C | 0.098 | 0.0014 |
| 38380-01-7 | PCB-99 | 19 | C83 B | 0.098 | 0.0015 |
| 39485-83-1 | PCB-100 | 0.45 | C93 | 0.098 | 0.0014 |
| 37680-73-2 | PCB-101 | 27 | C90 B | 0.15 | 0.0013 |
| 68194-06-9 | PCB-102 | 0.78 | C98 | 0.098 | 0.0014 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.75 | | 0.049 | 0.0014 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0010 |
| 32598-14-4 | PCB-105 | 5.9 | B | 0.049 | 0.020 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.020 |
| 70424-68-9 | PCB-107 | 2.3 | B | 0.049 | 0.019 |
| 70362-41-3 | PCB-108 | 0.68 | C | 0.098 | 0.021 |
| 74472-35-8 | PCB-109 | 15 | C86 B | 0.29 | 0.0012 |
| 38380-03-9 | PCB-110 | 28 | C B | 0.098 | 0.0011 |
| 39635-32-0 | PCB-111 | ND | | 0.049 | 0.0010 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0010 |
| 68194-10-5 | PCB-113 | 27 | C90 B | 0.15 | 0.0013 |
| 74472-37-0 | PCB-114 | 0.38 | | 0.049 | 0.019 |
| 74472-38-1 | PCB-115 | 28 | C110 B | 0.098 | 0.0011 |
| 18259-05-7 | PCB-116 | 3.7 | C85 | 0.15 | 0.0012 |
| 68194-11-6 | PCB-117 | 3.7 | C85 | 0.15 | 0.0012 |
| 31508-00-6 | PCB-118 | 22 | B | 0.049 | 0.019 |
| 56558-17-9 | PCB-119 | 15 | C86 B | 0.29 | 0.0012 |
| 68194-12-7 | PCB-120 | 0.39 | | 0.049 | 0.00095 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0010 |
| 76842-07-4 | PCB-122 | 0.27 | B | 0.049 | 0.022 |
| 65510-44-3 | PCB-123 | 0.29 | | 0.049 | 0.020 |
| 70424-70-3 | PCB-124 | 0.68 | C108 | 0.098 | 0.021 |
| 74472-39-2 | PCB-125 | 15 | C86 B | 0.29 | 0.0012 |
| 57465-28-8 | PCB-126 | 0.088 | | 0.049 | 0.019 |
| 39635-33-1 | PCB-127 | ND | | 0.049 | 0.020 |
| 38380-07-3 | PCB-128 | 4.2 | C B | 0.098 | 0.0084 |
| 55215-18-4 | PCB-129 | 26 | C B | 0.20 | 0.0086 |
| 52663-66-8 | PCB-130 | 2.2 | B | 0.049 | 0.011 |
| 61798-70-7 | PCB-131 | 0.32 | | 0.049 | 0.011 |
| 38380-05-1 | PCB-132 | 8.9 | B | 0.049 | 0.011 |
| 35694-04-3 | PCB-133 | 0.71 | | 0.049 | 0.010 |
| 52704-70-8 | PCB-134 | 1.6 | C | 0.098 | 0.011 |
| 52744-13-5 | PCB-135 | 12 | C B | 0.098 | 0.00099 |
| 38411-22-2 | PCB-136 | 4.3 | B | 0.049 | 0.00075 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 1.0 | | 0.049 | 0.0088 |
| 35065-28-2 | PCB-138 | 26 | C129 B | 0.20 | 0.0086 |
| 56030-56-9 | PCB-139 | 0.62 | C | 0.098 | 0.0093 |
| 59291-64-4 | PCB-140 | 0.62 | C139 | 0.098 | 0.0093 |
| 52712-04-6 | PCB-141 | 4.2 | B | 0.049 | 0.0097 |
| 41411-61-4 | PCB-142 | ND | | 0.049 | 0.011 |
| 68194-15-0 | PCB-143 | 1.6 | C134 | 0.098 | 0.011 |
| 68194-14-9 | PCB-144 | 1.2 | | 0.049 | 0.00094 |
| 74472-40-5 | PCB-145 | ND | | 0.049 | 0.00073 |
| 51908-16-8 | PCB-146 | 6.3 | B | 0.049 | 0.0093 |
| 68194-13-8 | PCB-147 | 23 | C B | 0.098 | 0.0096 |
| 74472-41-6 | PCB-148 | 0.17 | q | 0.049 | 0.00096 |
| 38380-04-0 | PCB-149 | 23 | C147 B | 0.098 | 0.0096 |
| 68194-08-1 | PCB-150 | 0.14 | | 0.049 | 0.00070 |
| 52663-63-5 | PCB-151 | 12 | C135 B | 0.098 | 0.00099 |
| 68194-09-2 | PCB-152 | 0.020 | J | 0.049 | 0.00069 |
| 35065-27-1 | PCB-153 | 24 | C B | 0.098 | 0.0076 |
| 60145-22-4 | PCB-154 | 1.2 | | 0.049 | 0.00085 |
| 33979-03-2 | PCB-155 | ND | | 0.049 | 0.00066 |
| 38380-08-4 | PCB-156 | 3.2 | C B | 0.098 | 0.0089 |
| 69782-90-7 | PCB-157 | 3.2 | C156 B | 0.098 | 0.0089 |
| 74472-42-7 | PCB-158 | 2.3 | B | 0.049 | 0.0067 |
| 39635-35-3 | PCB-159 | 0.32 | | 0.049 | 0.0071 |
| 41411-62-5 | PCB-160 | 26 | C129 B | 0.20 | 0.0086 |
| 74472-43-8 | PCB-161 | ND | | 0.049 | 0.0070 |
| 39635-34-2 | PCB-162 | 0.11 | B | 0.049 | 0.0069 |
| 74472-44-9 | PCB-163 | 26 | C129 B | 0.20 | 0.0086 |
| 74472-45-0 | PCB-164 | 2.0 | B | 0.049 | 0.0075 |
| 74472-46-1 | PCB-165 | ND | | 0.049 | 0.0083 |
| 41411-63-6 | PCB-166 | 4.2 | C128 B | 0.098 | 0.0084 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 1.0 | B | 0.049 | 0.0059 |
| 59291-65-5 | PCB-168 | 24 | C153 B | 0.098 | 0.0076 |
| 32774-16-6 | PCB-169 | ND | | 0.049 | 0.0063 |
| 35065-30-6 | PCB-170 | 7.7 | B | 0.049 | 0.00049 |
| 52663-71-5 | PCB-171 | 2.9 | C B | 0.098 | 0.00054 |
| 52663-74-8 | PCB-172 | 1.5 | B | 0.049 | 0.00052 |
| 68194-16-1 | PCB-173 | 2.9 | C171 B | 0.098 | 0.00054 |
| 38411-25-5 | PCB-174 | 10 | B | 0.049 | 0.00054 |
| 40186-70-7 | PCB-175 | 0.39 | | 0.049 | 0.00049 |
| 52663-65-7 | PCB-176 | 1.1 | B | 0.049 | 0.00034 |
| 52663-70-4 | PCB-177 | 6.2 | B | 0.049 | 0.00055 |
| 52663-67-9 | PCB-178 | 2.1 | B | 0.049 | 0.00051 |
| 52663-64-6 | PCB-179 | 4.1 | B | 0.049 | 0.00037 |
| 35065-29-3 | PCB-180 | 18 | C B | 0.098 | 0.00042 |
| 74472-47-2 | PCB-181 | 0.092 | | 0.049 | 0.00047 |
| 60145-23-5 | PCB-182 | 0.12 | | 0.049 | 0.00045 |
| 52663-69-1 | PCB-183 | 6.1 | C B | 0.098 | 0.00046 |
| 74472-48-3 | PCB-184 | ND | | 0.049 | 0.00037 |
| 52712-05-7 | PCB-185 | 6.1 | C183 B | 0.098 | 0.00046 |
| 74472-49-4 | PCB-186 | ND | | 0.049 | 0.00036 |
| 52663-68-0 | PCB-187 | 12 | B | 0.049 | 0.00047 |
| 74487-85-7 | PCB-188 | ND | | 0.049 | 0.00036 |
| 39635-31-9 | PCB-189 | 0.29 | B | 0.049 | 0.0050 |
| 41411-64-7 | PCB-190 | 1.7 | B | 0.049 | 0.00038 |
| 74472-50-7 | PCB-191 | 0.36 | | 0.049 | 0.00038 |
| 74472-51-8 | PCB-192 | ND | | 0.049 | 0.00040 |
| 69782-91-8 | PCB-193 | 18 | C180 B | 0.098 | 0.00042 |
| 35694-08-7 | PCB-194 | 4.3 | B | 0.049 | 0.012 |
| 52663-78-2 | PCB-195 | 1.9 | B | 0.049 | 0.014 |
| 42740-50-1 | PCB-196 | 2.1 | B | 0.049 | 0.00081 |
| 33091-17-7 | PCB-197 | 0.15 | B | 0.049 | 0.00059 |
| 68194-17-2 | PCB-198 | 4.8 | C B | 0.098 | 0.00086 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 4.8 | C198 B | 0.098 | 0.00086 |
| 52663-73-7 | PCB-200 | 0.57 | | 0.049 | 0.00063 |
| 40186-71-8 | PCB-201 | 0.60 | B | 0.049 | 0.00060 |
| 2136-99-4 | PCB-202 | 0.96 | B | 0.049 | 0.00067 |
| 52663-76-0 | PCB-203 | 2.7 | | 0.049 | 0.00077 |
| 74472-52-9 | PCB-204 | ND | | 0.049 | 0.00064 |
| 74472-53-0 | PCB-205 | 0.21 | | 0.049 | 0.0091 |
| 40186-72-9 | PCB-206 | 1.8 | | 0.049 | 0.013 |
| 52663-79-3 | PCB-207 | 0.22 | | 0.049 | 0.0094 |
| 52663-77-1 | PCB-208 | 0.49 | | 0.049 | 0.0097 |
| 2051-24-3 | PCB-209 | 1.1 | | 0.049 | 0.00098 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.93 | | 0.049 | 0.0034 |
| 25512-42-9 | Total Dichlorobiphenyls | 2.1 | q B | 0.098 | 0.0021 |
| 25323-68-6 | Total Trichlorobiphenyls | 14 | q B | 0.098 | 0.011 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 69 | q B | 0.20 | 0.0074 |
| 25429-29-2 | Total Pentachlorobiphenyls | 170 | B | 0.29 | 0.0073 |
| 26601-64-9 | Total Hexachlorobiphenyls | 130 | q B | 0.20 | 0.0065 |
| 28655-71-2 | Total Heptachlorobiphenyls | 75 | B | 0.098 | 0.00066 |
| 55722-26-4 | Total Octachlorobiphenyls | 18 | B | 0.098 | 0.0037 |
| 53742-07-7 | Total Nonachlorobiphenyls | 2.5 | | 0.049 | 0.011 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 480 | q B | 0.29 | 0.0056 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719 RE  Lab Sample ID: 580-88908-28 RE

Matrix: Solid  Lab File ID: 580-88908-a-28-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.73(g)  Date Analyzed: 10/09/2019 17:46

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 60 | | 30-140 |
| 208263-77-8 | PCB-3L | 63 | | 30-140 |
| 234432-86-1 | PCB-4L | 64 | | 30-140 |
| 208263-67-6 | PCB-15L | 84 | | 30-140 |
| 234432-87-2 | PCB-19L | 70 | | 30-140 |
| 208263-79-0 | PCB-37L | 91 | | 30-140 |
| 234432-88-3 | PCB-54L | 68 | | 30-140 |
| 105600-23-5 | PCB-77L | 95 | | 30-140 |
| 208461-24-9 | PCB-81L | 92 | | 30-140 |
| 234432-89-4 | PCB-104L | 90 | | 30-140 |
| 208263-62-1 | PCB-105L | 84 | | 30-140 |
| 208263-63-2 | PCB-114L | 81 | | 30-140 |
| 104130-40-7 | PCB-118L | 84 | | 30-140 |
| 208263-64-3 | PCB-123L | 82 | | 30-140 |
| 208263-65-4 | PCB-126L | 95 | | 30-140 |
| 234432-90-7 | PCB-155L | 99 | | 30-140 |
| 208263-68-7 | PCB-156L | 89 | C | 30-140 |
| 235416-30-5 | PCB-157L | 89 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 91 | | 30-140 |
| 208263-70-1 | PCB-169L | 104 | | 30-140 |
| 160901-80-4 | PCB-170L | 88 | | 30-140 |
| 234432-91-8 | PCB-188L | 79 | | 30-140 |
| 208263-73-4 | PCB-189L | 95 | | 30-140 |
| 105600-26-8 | PCB-202L | 95 | | 30-140 |
| 234446-64-1 | PCB-205L | 80 | | 30-140 |
| 208263-75-6 | PCB-206L | 72 | | 30-140 |
| 234432-92-9 | PCB-208L | 81 | | 30-140 |
| 105600-27-9 | PCB-209L | 66 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 81 | | 40-125 |
| 235416-29-2 | PCB-111L | 95 | | 40-125 |
| 232919-67-4 | PCB-178L | 92 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d
Lims ID: 580-88908-A-28-F
Client ID: J5-SC1b-40to50-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 17:46:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-008
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 20:06:38 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 20:06:38

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 19.0 | 19.0 | 0.0696 | 0.0696 | | |
| D PCB-1L | 11:45 | 3547835 | 2.98 | 1.3140 | 59.9 | 59.9 | 0.4370 | 0.4370 | 59.94 | |
| D PCB-3L | 13:55 | 3892026 | 3.18 | 1.3615 | 63.5 | 63.5 | 0.4217 | 0.4217 | 63.46 | |
| PCB-1 | 11:46 | 524706 | 3.23 | 1.1883 | 12.4 | 12.4 | 0.0682 | 0.0682 | | |
| PCB-2 | 13:45 | 56857 | 3.07 | 1.1911 | 1.283 | 1.283 | 0.0699 | 0.0699 | | |
| PCB-3 | 13:56 | 247423 | 3.39 | 1.2130 | 5.241 | 5.241 | 0.0706 | 0.0706 | | |
| S Total Dichlorobiphenyls | | | | | 43.6 | 43.6 | 0.0421 | 0.0421 | | RQ |
| D PCB-4L | 14:10 | 1730106 | 1.63 | 0.5996 | 64.1 | 64.1 | 0.2458 | 0.2458 | 64.06 | |
| * PCB-9L | 16:09 | 4504201 | 1.63 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:04 | 3873646 | 1.61 | 1.0280 | 83.7 | 83.7 | 0.1434 | 0.1434 | 83.66 | |
| PCB-4 | 14:11 | 136568 | 1.61 | 1.2533 | 6.298 | 6.298 | 0.0669 | 0.0669 | | |
| PCB-10 | 14:21 | 16883 | 1.56 | 1.4828 | 0.4469 | 0.4064 | 0.0428 | 0.0428 | | RQ |
| PCB-9 | 16:10 | 56420 | 1.44 | 1.4200 | 1.418 | 1.418 | 0.0447 | 0.0447 | | |
| PCB-7 | 16:20 | 49560 | 1.45 | 1.6244 | 1.089 | 1.089 | 0.0391 | 0.0391 | | |
| PCB-6 | 16:34 | 212069 | 1.53 | 1.5539 | 4.871 | 4.871 | 0.0408 | 0.0408 | | |
| PCB-5 | 16:53 | 17522 | 1.70 | 1.5606 | 0.4007 | 0.4007 | 0.0407 | 0.0407 | | |
| PCB-8 | 17:01 | 708099 | 1.64 | 1.5884 | 15.9 | 15.9 | 0.0400 | 0.0400 | | |
| PCB-14 | 18:38 | | | | | | 0.0339 | 0.0339 | | |
| PCB-11 | 19:29 | 54960 | 1.50 | 1.6347 | 1.200 | 1.200 | 0.0388 | 0.0388 | | Ma |
| PCB-12 | 19:45 | 113806 | 1.66 | 1.6410 | 2.475 | 2.475 | 0.0387 | 0.0387 | | Ma |
| PCB-13 (C12) | 19:45 | 113806 | 1.66 | 1.6410 | 2.475 | 2.475 | 0.0387 | 0.0387 | | Ma |
| PCB-15 | 20:06 | 517167 | 1.62 | 1.4024 | 9.520 | 9.520 | 0.0364 | 0.0364 | | |
| S Total Trichlorobiphenyl | | | | | 282.2 | 282.1 | 0.2224 | 0.2224 | | RQ |
| D PCB-19L | 17:17 | 1328576 | 1.07 | 0.6095 | 69.6 | 69.6 | 0.7047 | 0.7047 | 69.59 | |
| * PCB-32L | 20:33 | 3132584 | 1.13 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:49 | 9039695 | 1.07 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:07 | 8039283 | 1.08 | 1.0975 | 81.0 | 81.0 | 0.2380 | 0.2380 | 81.03 | |
| D PCB-37L | 27:07 | 7384927 | 1.08 | 0.9024 | 90.5 | 90.5 | 0.2895 | 0.2895 | 90.53 | |
| PCB-19 | 17:18 | 45015 | 1.00 | 1.3047 | 2.597 | 2.597 | 0.0595 | 0.0595 | | |
| PCB-18 | 19:11 | 727546 | 1.07 | 1.8188 | 30.1 | 30.1 | 0.0427 | 0.0427 | | |
| PCB-30 (C18) | 19:11 | 727546 | 1.07 | 1.8188 | 30.1 | 30.1 | 0.0427 | 0.0427 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 393071 | 1.07 | 1.5641 | 18.9 | 18.9 | 0.0496 | 0.0496 | | |
| PCB-27 | 19:48 | 67336 | 0.99 | 2.1680 | 2.338 | 2.338 | 0.0358 | 0.0358 | | |
| PCB-24 | 19:56 | 9972 | 1.04 | 2.1018 | 0.4289 | 0.3571 | 0.0369 | 0.0369 | | RQ |
| PCB-16 | 20:03 | 211881 | 1.05 | 1.2260 | 13.0 | 13.0 | 0.0633 | 0.0633 | | |
| PCB-32 | 20:34 | 348317 | 1.05 | 2.3416 | 11.2 | 11.2 | 0.0332 | 0.0332 | | |
| PCB-34 | 21:50 | 98735 | 1.04 | 1.2154 | 1.100 | 1.100 | 0.3415 | 0.3415 | | |
| PCB-23 | 21:59 | | | | | | 0.3275 | 0.3275 | | |
| PCB-26 | 22:17 | 1365769 | 1.08 | 1.3193 | 14.0 | 14.0 | 0.3146 | 0.3146 | | |
| PCB-29 (C26) | 22:17 | 1365769 | 1.08 | 1.3193 | 14.0 | 14.0 | 0.3146 | 0.3146 | | |
| PCB-25 | 22:31 | 868190 | 1.10 | 1.3523 | 8.694 | 8.694 | 0.3069 | 0.3069 | | |
| PCB-31 | 22:50 | 4625731 | 1.08 | 1.3809 | 45.4 | 45.4 | 0.3006 | 0.3006 | | |
| PCB-20 | 23:08 | 6951076 | 1.07 | 1.3057 | 72.1 | 72.1 | 0.3179 | 0.3179 | | |
| PCB-28 (C20) | 23:08 | 6951076 | 1.07 | 1.3057 | 72.1 | 72.1 | 0.3179 | 0.3179 | | |
| PCB-21 | 23:23 | 2864159 | 1.09 | 1.3777 | 28.2 | 28.2 | 0.3013 | 0.3013 | | |
| PCB-33 (C21) | 23:23 | 2864159 | 1.09 | 1.3777 | 28.2 | 28.2 | 0.3013 | 0.3013 | | |
| PCB-22 | 23:46 | 1209954 | 1.07 | 1.2430 | 13.2 | 13.2 | 0.3339 | 0.3339 | | |
| PCB-36 | 25:20 | 31972 | 1.20 | 1.3468 | 0.3214 | 0.3214 | 0.3082 | 0.3082 | | Ma |
| PCB-39 | 25:41 | 180931 | 1.16 | 1.3970 | 1.754 | 1.754 | 0.2971 | 0.2971 | | Ma |
| PCB-38 | 26:15 | | | | | | 0.3150 | 0.3150 | | |
| PCB-35 | 26:44 | 124898 | 1.15 | 1.2166 | 1.390 | 1.390 | 0.3411 | 0.3411 | | |
| PCB-37 | 27:09 | 1669309 | 1.05 | 1.2879 | 17.6 | 17.6 | 0.3223 | 0.3223 | | |
| S Total Tetrachlorobiphen | | | | | 1434.7 | 1434.3 | 0.1522 | 0.1522 | | RQ |
| D PCB-54L | 20:22 | 1378352 | 0.82 | 0.6515 | 67.5 | 67.5 | 0.0640 | 0.0640 | 67.54 | |
| * PCB-52L | 24:57 | 4624332 | 0.80 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:53 | 5240613 | 0.79 | 1.2328 | 91.9 | 91.9 | 0.0962 | 0.0962 | 91.93 | |
| D PCB-77L | 34:27 | 5475581 | 0.82 | 1.2523 | 94.6 | 94.6 | 0.0947 | 0.0947 | 94.56 | |
| PCB-54 | 20:24 | 9035 | 0.74 | 1.2558 | 0.5220 | 0.5220 | 0.007183 | 0.007183 | | |
| PCB-50 | 22:34 | 661151 | 0.82 | 0.9362 | 13.2 | 13.2 | 0.1960 | 0.1960 | | |
| PCB-53 (C50) | 22:34 | 661151 | 0.82 | 0.9362 | 13.2 | 13.2 | 0.1960 | 0.1960 | | |
| PCB-45 | 23:13 | 733559 | 0.84 | 0.8850 | 15.5 | 15.5 | 0.2073 | 0.2073 | | Ma |
| PCB-51 (C45) | 23:13 | 733559 | 0.84 | 0.8850 | 15.5 | 15.5 | 0.2073 | 0.2073 | | Ma |
| PCB-46 | 23:32 | 191233 | 0.79 | 0.7591 | 4.702 | 4.702 | 0.2417 | 0.2417 | | Ma |
| PCB-52 | 24:59 | 13276927 | 0.80 | 0.8992 | 275.6 | 275.6 | 0.2040 | 0.2040 | | |
| PCB-43 | 25:12 | 131304 | 0.77 | 0.9993 | 2.740 | 2.452 | 0.1836 | 0.1836 | | RQMa |
| PCB-73 (C43) | 25:12 | 131304 | 0.77 | 0.9993 | 2.740 | 2.452 | 0.1836 | 0.1836 | | RQMa |
| PCB-49 | 25:28 | 9383361 | 0.79 | 1.1366 | 154.1 | 154.1 | 0.1614 | 0.1614 | | M |
| PCB-69 (C49) | 25:28 | 9383361 | 0.79 | 1.1366 | 154.1 | 154.1 | 0.1614 | 0.1614 | | M |
| PCB-48 | 25:45 | 735774 | 0.75 | 0.9454 | 14.5 | 14.5 | 0.1941 | 0.1941 | | |
| PCB-44 | 25:58 | 9141924 | 0.79 | 1.0323 | 165.3 | 165.3 | 0.1777 | 0.1777 | | |
| PCB-47 (C44) | 25:58 | 9141924 | 0.79 | 1.0323 | 165.3 | 165.3 | 0.1777 | 0.1777 | | |
| PCB-65 (C44) | 25:58 | 9141924 | 0.79 | 1.0323 | 165.3 | 165.3 | 0.1777 | 0.1777 | | |
| PCB-59 | 26:20 | 824314 | 0.77 | 1.3609 | 11.3 | 11.3 | 0.1348 | 0.1348 | | |
| PCB-62 (C59) | 26:20 | 824314 | 0.77 | 1.3609 | 11.3 | 11.3 | 0.1348 | 0.1348 | | |
| PCB-75 (C59) | 26:20 | 824314 | 0.77 | 1.3609 | 11.3 | 11.3 | 0.1348 | 0.1348 | | |
| PCB-42 | 26:30 | 1974064 | 0.79 | 0.8670 | 42.5 | 42.5 | 0.2116 | 0.2116 | | |
| PCB-40 | 26:59 | 2637338 | 0.79 | 0.9179 | 53.6 | 53.6 | 0.1999 | 0.1999 | | Ma |
| PCB-41 (C40) | 26:59 | 2637338 | 0.79 | 0.9179 | 53.6 | 53.6 | 0.1999 | 0.1999 | | Ma |
| PCB-71 (C40) | 26:59 | 2637338 | 0.79 | 0.9179 | 53.6 | 53.6 | 0.1999 | 0.1999 | | Ma |
| PCB-64 | 27:12 | 3302613 | 0.79 | 1.4164 | 43.5 | 43.5 | 0.1295 | 0.1295 | | |
| PCB-72 | 28:04 | 837226 | 0.82 | 1.3157 | 11.9 | 11.9 | 0.1395 | 0.1395 | | |
| PCB-68 | 28:20 | 512694 | 0.80 | 1.4782 | 6.473 | 6.473 | 0.1241 | 0.1241 | | |
| PCB-57 | 28:44 | | | | | | 0.1432 | 0.1432 | | |
| PCB-58 | 29:00 | 204148 | 0.73 | 1.3214 | 2.883 | 2.883 | 0.1389 | 0.1389 | | |
| PCB-67 | 29:10 | 310806 | 0.74 | 1.3944 | 4.160 | 4.160 | 0.1316 | 0.1316 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:26 | 579359 | 0.81 | 1.4685 | 7.363 | 7.363 | 0.1250 | 0.1250 | | |
| PCB-61 | 29:45 | 22180096 | 0.80 | 1.3565 | 305.2 | 305.2 | 0.1353 | 0.1353 | | |
| PCB-70 (C61) | 29:45 | 22180096 | 0.80 | 1.3565 | 305.2 | 305.2 | 0.1353 | 0.1353 | | |
| PCB-74 (C61) | 29:45 | 22180096 | 0.80 | 1.3565 | 305.2 | 305.2 | 0.1353 | 0.1353 | | |
| PCB-76 (C61) | 29:45 | 22180096 | 0.80 | 1.3565 | 305.2 | 305.2 | 0.1353 | 0.1353 | | |
| PCB-66 | 30:06 | 14636597 | 0.80 | 1.2800 | 213.4 | 213.4 | 0.1433 | 0.1433 | | Ma |
| PCB-55 | 30:13 | 70114 | 0.77 | 1.2951 | 1.144 | 1.010 | 0.1417 | 0.1417 | | RQMa |
| PCB-56 | 30:45 | 3724003 | 0.79 | 1.2671 | 54.9 | 54.9 | 0.1448 | 0.1448 | | |
| PCB-60 | 30:58 | 466409 | 0.74 | 1.3288 | 6.551 | 6.551 | 0.1381 | 0.1381 | | |
| PCB-80 | 31:22 | | | | | | 0.1249 | 0.1249 | | |
| PCB-79 | 32:55 | 588515 | 0.79 | 1.5421 | 7.123 | 7.123 | 0.1190 | 0.1190 | | |
| PCB-78 | 33:27 | | | | | | 0.1395 | 0.1395 | | |
| PCB-81 | 33:53 | | | | | | 0.1396 | 0.1396 | | |
| PCB-77 | 34:29 | 1220823 | 0.79 | 1.3308 | 16.8 | 16.8 | 0.1372 | 0.1372 | | |
| S Total Pentachlorobiphen | | | | | 3379.6 | 3379.6 | 0.1502 | 0.1502 | | |
| D PCB-104L | 25:54 | 3345572 | 1.64 | 1.1164 | 90.2 | 90.2 | 0.0369 | 0.0369 | 90.24 | |
| * PCB-101L | 31:50 | 3321060 | 1.57 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:31 | 3851322 | 1.58 | 1.2177 | 95.2 | 95.2 | 0.0338 | 0.0338 | 95.23 | |
| D PCB-123L | 36:29 | 5572968 | 1.60 | 0.9909 | 82.2 | 82.2 | 0.7954 | 0.7954 | 82.24 | |
| D PCB-118L | 36:48 | 5861108 | 1.62 | 1.0256 | 83.6 | 83.6 | 0.7685 | 0.7685 | 83.57 | |
| D PCB-114L | 37:20 | 5551273 | 1.65 | 1.0030 | 80.9 | 80.9 | 0.7858 | 0.7858 | 80.94 | |
| D PCB-105L | 37:58 | 5738418 | 1.60 | 1.0013 | 83.8 | 83.8 | 0.7872 | 0.7872 | 83.81 | |
| * PCB-127L | 39:28 | 6838205 | 1.61 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:04 | 5845783 | 1.63 | 0.9020 | 94.8 | 94.8 | 0.8738 | 0.8738 | 94.77 | |
| PCB-104 | 25:55 | | | | | | 0.0209 | 0.0209 | | |
| PCB-96 | 26:17 | 114903 | 1.71 | 1.2268 | 2.800 | 2.800 | 0.0237 | 0.0237 | | |
| PCB-103 | 28:14 | 531734 | 1.57 | 1.0331 | 15.4 | 15.4 | 0.0281 | 0.0281 | | |
| PCB-94 | 28:27 | | | | | | 0.0322 | 0.0322 | | |
| PCB-95 | 28:53 | 12556029 | 1.55 | 0.9620 | 390.1 | 390.1 | 0.0302 | 0.0302 | | |
| PCB-93 | 29:07 | 304787 | 1.62 | 0.9806 | 9.290 | 9.290 | 0.0296 | 0.0296 | | |
| PCB-100 (C93) | 29:07 | 304787 | 1.62 | 0.9806 | 9.290 | 9.290 | 0.0296 | 0.0296 | | |
| PCB-98 | 29:15 | 527879 | 1.64 | 0.9888 | 16.0 | 16.0 | 0.0294 | 0.0294 | | |
| PCB-102 (C98) | 29:15 | 527879 | 1.64 | 0.9888 | 16.0 | 16.0 | 0.0294 | 0.0294 | | |
| PCB-88 | 29:46 | 2712616 | 1.59 | 1.0052 | 80.7 | 80.7 | 0.0289 | 0.0289 | | |
| PCB-91 (C88) | 29:46 | 2712616 | 1.59 | 1.0052 | 80.7 | 80.7 | 0.0289 | 0.0289 | | |
| PCB-84 | 29:59 | 3564494 | 1.59 | 0.8601 | 123.9 | 123.9 | 0.0338 | 0.0338 | | |
| PCB-89 | 30:27 | 112485 | 1.50 | 0.8936 | 3.763 | 3.763 | 0.0325 | 0.0325 | | |
| PCB-121 | 30:52 | | | | | | 0.0208 | 0.0208 | | |
| PCB-92 | 31:15 | 4386609 | 1.58 | 0.9532 | 137.6 | 137.6 | 0.0305 | 0.0305 | | |
| PCB-90 | 31:50 | 20819088 | 1.56 | 1.1367 | 547.5 | 547.5 | 0.0256 | 0.0256 | | |
| PCB-101 (C90) | 31:50 | 20819088 | 1.56 | 1.1367 | 547.5 | 547.5 | 0.0256 | 0.0256 | | |
| PCB-113 (C90) | 31:50 | 20819088 | 1.56 | 1.1367 | 547.5 | 547.5 | 0.0256 | 0.0256 | | |
| PCB-83 | 32:26 | 12299970 | 1.57 | 0.9393 | 391.4 | 391.4 | 0.0309 | 0.0309 | | Ma |
| PCB-99 (C83) | 32:26 | 12299970 | 1.57 | 0.9393 | 391.4 | 391.4 | 0.0309 | 0.0309 | | Ma |
| PCB-112 | 32:31 | | | | | | 0.0213 | 0.0213 | | |
| PCB-86 | 32:55 | 11886977 | 1.59 | 1.1958 | 297.1 | 297.1 | 0.0243 | 0.0243 | | Ma |
| PCB-87 (C86) | 32:55 | 11886977 | 1.59 | 1.1958 | 297.1 | 297.1 | 0.0243 | 0.0243 | | Ma |
| PCB-97 (C86) | 32:55 | 11886977 | 1.59 | 1.1958 | 297.1 | 297.1 | 0.0243 | 0.0243 | | Ma |
| PCB-109 (C86) | 32:55 | 11886977 | 1.59 | 1.1958 | 297.1 | 297.1 | 0.0243 | 0.0243 | | Ma |
| PCB-119 (C86) | 32:55 | 11886977 | 1.59 | 1.1958 | 297.1 | 297.1 | 0.0243 | 0.0243 | | Ma |
| PCB-125 (C86) | 32:55 | 11886977 | 1.59 | 1.1958 | 297.1 | 297.1 | 0.0243 | 0.0243 | | Ma |
| PCB-85 | 33:39 | 3102612 | 1.61 | 1.2126 | 76.5 | 76.5 | 0.0240 | 0.0240 | | |
| PCB-116 (C85) | 33:39 | 3102612 | 1.61 | 1.2126 | 76.5 | 76.5 | 0.0240 | 0.0240 | | |
| PCB-117 (C85) | 33:39 | 3102612 | 1.61 | 1.2126 | 76.5 | 76.5 | 0.0240 | 0.0240 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:49 | 26172972 | 1.57 | 1.3511 | 579.0 | 579.0 | 0.0215 | 0.0215 | | |
| PCB-115 (C110) | 33:49 | 26172972 | 1.57 | 1.3511 | 579.0 | 579.0 | 0.0215 | 0.0215 | | |
| PCB-82 | 34:08 | 1407808 | 1.60 | 0.8675 | 48.5 | 48.5 | 0.0335 | 0.0335 | | |
| PCB-111 | 34:30 | | | | | | 0.0204 | 0.0204 | | |
| PCB-120 | 35:00 | 399637 | 1.61 | 1.4907 | 8.013 | 8.013 | 0.0195 | 0.0195 | | |
| PCB-108 | 36:08 | 1000002 | 1.55 | 1.2547 | 13.9 | 13.9 | 0.4230 | 0.4230 | | |
| PCB-124 (C108) | 36:08 | 1000002 | 1.55 | 1.2547 | 13.9 | 13.9 | 0.4230 | 0.4230 | | |
| PCB-107 | 36:23 | 3678791 | 1.60 | 1.3580 | 47.4 | 47.4 | 0.3908 | 0.3908 | | |
| PCB-123 | 36:29 | 445146 | 1.59 | 1.3407 | 5.958 | 5.958 | 0.4006 | 0.4006 | | |
| PCB-106 | 36:35 | | | | | | 0.4163 | 0.4163 | | |
| PCB-118 | 36:50 | 33947413 | 1.57 | 1.2892 | 449.3 | 449.3 | 0.3954 | 0.3954 | | |
| PCB-122 | 37:10 | 369595 | 1.53 | 1.1614 | 5.570 | 5.570 | 0.4570 | 0.4570 | | |
| PCB-114 | 37:21 | 598703 | 1.60 | 1.4051 | 7.676 | 7.676 | 0.3881 | 0.3881 | | |
| PCB-105 | 38:00 | 8917970 | 1.58 | 1.2887 | 120.6 | 120.6 | 0.4147 | 0.4147 | | |
| PCB-127 | 39:27 | | | | | | 0.4133 | 0.4133 | | |
| PCB-126 | 41:06 | 141483 | 1.60 | 1.3416 | 1.804 | 1.804 | 0.3938 | 0.3938 | | Ma |
| S Total Hexachlorobipheny | | | | | 2674.9 | 2674.5 | 0.1329 | 0.1329 | | RQ |
| D PCB-155L | 31:36 | 3117801 | 1.30 | 0.9499 | 98.8 | 98.8 | 0.0317 | 0.0317 | 98.83 | |
| * PCB-138L | 39:56 | 4523057 | 1.30 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:57 | 5157318 | 1.26 | 1.2544 | 90.9 | 90.9 | 0.4443 | 0.4443 | 90.90 | |
| D PCB-156L | 44:06 | 9944886 | 1.27 | 1.2289 | 178.9 | 178.9 | 0.4536 | 0.4536 | 89.46 | |
| D PCB-157L (C156L) | 44:06 | 9944886 | 1.27 | 1.2289 | 178.9 | 178.9 | 0.4536 | 0.4536 | 89.46 | |
| D PCB-169L | 47:20 | 5110857 | 1.28 | 1.0883 | 103.8 | 103.8 | 0.5121 | 0.5121 | 104 | |
| PCB-155 | 31:36 | | | | | | 0.0136 | 0.0136 | | |
| PCB-152 | 31:49 | 16357 | 1.09 | 1.2556 | 0.4178 | 0.4178 | 0.0141 | 0.0141 | | |
| PCB-150 | 31:58 | 111488 | 1.17 | 1.2368 | 2.891 | 2.891 | 0.0143 | 0.0143 | | |
| PCB-136 | 32:20 | 3195328 | 1.30 | 1.1563 | 88.6 | 88.6 | 0.0153 | 0.0153 | | |
| PCB-145 | 32:38 | | | | | | 0.0148 | 0.0148 | | RQU |
| PCB-148 | 34:09 | 100112 | 1.24 | 0.8982 | 3.896 | 3.575 | 0.0197 | 0.0197 | | RQ |
| PCB-135 | 34:45 | 6474401 | 1.27 | 0.8691 | 238.9 | 238.9 | 0.0203 | 0.0203 | | |
| PCB-151 (C135) | 34:45 | 6474401 | 1.27 | 0.8691 | 238.9 | 238.9 | 0.0203 | 0.0203 | | |
| PCB-154 | 35:01 | 747127 | 1.26 | 1.0180 | 23.5 | 23.5 | 0.0174 | 0.0174 | | |
| PCB-144 | 35:19 | 712184 | 1.27 | 0.9185 | 24.9 | 24.9 | 0.0192 | 0.0192 | | |
| PCB-147 | 35:41 | 23513632 | 1.25 | 0.9747 | 477.4 | 477.4 | 0.1959 | 0.1959 | | |
| PCB-149 (C147) | 35:41 | 23513632 | 1.25 | 0.9747 | 477.4 | 477.4 | 0.1959 | 0.1959 | | |
| PCB-134 | 35:53 | 1370959 | 1.23 | 0.8518 | 31.8 | 31.8 | 0.2241 | 0.2241 | | a |
| PCB-143 (C134) | 35:53 | 1370959 | 1.23 | 0.8518 | 31.8 | 31.8 | 0.2241 | 0.2241 | | a |
| PCB-139 | 36:17 | 637148 | 1.28 | 0.9995 | 12.6 | 12.6 | 0.1910 | 0.1910 | | |
| PCB-140 (C139) | 36:17 | 637148 | 1.28 | 0.9995 | 12.6 | 12.6 | 0.1910 | 0.1910 | | |
| PCB-131 | 36:29 | 287741 | 1.26 | 0.8584 | 6.633 | 6.633 | 0.2224 | 0.2224 | | |
| PCB-142 | 36:36 | | | | | | 0.2221 | 0.2221 | | |
| PCB-132 | 36:56 | 8075462 | 1.26 | 0.8801 | 181.6 | 181.6 | 0.2169 | 0.2169 | | |
| PCB-133 | 37:28 | 667781 | 1.23 | 0.9064 | 14.6 | 14.6 | 0.2106 | 0.2106 | | |
| PCB-165 | 37:49 | | | | | | 0.1703 | 0.1703 | | |
| PCB-146 | 38:06 | 6578447 | 1.26 | 1.0084 | 129.1 | 129.1 | 0.1893 | 0.1893 | | |
| PCB-161 | 38:12 | | | | | | 0.1428 | 0.1428 | | |
| PCB-153 | 38:43 | 30180104 | 1.26 | 1.2207 | 489.3 | 489.3 | 0.1564 | 0.1564 | | |
| PCB-168 (C153) | 38:43 | 30180104 | 1.26 | 1.2207 | 489.3 | 489.3 | 0.1564 | 0.1564 | | |
| PCB-141 | 38:55 | 4126140 | 1.26 | 0.9608 | 85.0 | 85.0 | 0.1987 | 0.1987 | | |
| PCB-130 | 39:19 | 1869492 | 1.24 | 0.8274 | 44.7 | 44.7 | 0.2307 | 0.2307 | | |
| PCB-137 | 39:32 | 1132137 | 1.37 | 1.0582 | 21.2 | 21.2 | 0.1804 | 0.1804 | | |
| PCB-164 | 39:39 | 2572242 | 1.22 | 1.2527 | 40.6 | 40.6 | 0.1524 | 0.1524 | | |
| PCB-129 | 39:57 | 28949214 | 1.25 | 1.0840 | 528.5 | 528.5 | 0.1761 | 0.1761 | | |
| PCB-138 (C129) | 39:57 | 28949214 | 1.25 | 1.0840 | 528.5 | 528.5 | 0.1761 | 0.1761 | | |
| PCB-160 (C129) | 39:57 | 28949214 | 1.25 | 1.0840 | 528.5 | 528.5 | 0.1761 | 0.1761 | | |
| PCB-163 (C129) | 39:57 | 28949214 | 1.25 | 1.0840 | 528.5 | 528.5 | 0.1761 | 0.1761 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:21 | 3302474 | 1.27 | 1.3862 | 47.1 | 47.1 | 0.1377 | 0.1377 | | |
| PCB-128 | 41:13 | 4844852 | 1.26 | 1.1165 | 85.9 | 85.9 | 0.1710 | 0.1710 | | Ma |
| PCB-166 (C128) | 41:13 | 4844852 | 1.26 | 1.1165 | 85.9 | 85.9 | 0.1710 | 0.1710 | | Ma |
| PCB-159 | 42:11 | 439604 | 1.28 | 1.3178 | 6.601 | 6.601 | 0.1449 | 0.1449 | | |
| PCB-162 | 42:30 | 153884 | 1.23 | 1.3623 | 2.235 | 2.235 | 0.1401 | 0.1401 | | Ma |
| PCB-167 | 42:59 | 1424067 | 1.25 | 1.3357 | 20.7 | 20.7 | 0.1202 | 0.1202 | | |
| PCB-156 | 44:06 | 4193171 | 1.24 | 1.2759 | 66.1 | 66.1 | 0.1812 | 0.1812 | | |
| PCB-157 (C156) | 44:06 | 4193171 | 1.24 | 1.2759 | 66.1 | 66.1 | 0.1812 | 0.1812 | | |
| PCB-169 | 47:19 | | | | | | 0.1284 | 0.1284 | | |
| S Total Heptachlorobiphen | | | | | 1526.7 | 1526.7 | 0.0135 | 0.0135 | | |
| D PCB-188L | 37:20 | 3844782 | 1.09 | 1.3162 | 79.4 | 79.4 | 0.0540 | 0.0540 | 79.40 | |
| $ PCB-178L | 40:24 | 3133006 | 1.06 | 0.9222 | 92.3 | 92.3 | 0.0771 | 0.0771 | 92.33 | |
| * PCB-180L | 45:30 | 3679264 | 1.09 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:45 | 2707074 | 1.03 | 0.8357 | 88.0 | 88.0 | 0.0851 | 0.0851 | 88.04 | |
| D PCB-189L | 49:52 | 6533096 | 1.05 | 1.4666 | 94.5 | 94.5 | 0.8943 | 0.8943 | 94.53 | |
| PCB-188 | 37:20 | | | | | | 0.007278 | 0.007278 | | |
| PCB-179 | 37:42 | 3873374 | 1.05 | 1.4149 | 83.6 | 83.6 | 0.007521 | 0.007521 | | |
| PCB-184 | 38:12 | | | | | | 0.007498 | 0.007498 | | |
| PCB-176 | 38:34 | 1164793 | 1.05 | 1.5212 | 23.4 | 23.4 | 0.006995 | 0.006995 | | |
| PCB-186 | 39:00 | | | | | | 0.007415 | 0.007415 | | |
| PCB-178 | 40:26 | 1411260 | 1.05 | 1.0228 | 42.1 | 42.1 | 0.0104 | 0.0104 | | |
| PCB-175 | 41:03 | 279441 | 1.09 | 1.0690 | 7.980 | 7.980 | 0.0100 | 0.0100 | | |
| PCB-187 | 41:20 | 8843048 | 1.05 | 1.1106 | 243.1 | 243.1 | 0.009581 | 0.009581 | | |
| PCB-182 | 41:32 | 91391 | 1.18 | 1.1484 | 2.429 | 2.429 | 0.009266 | 0.009266 | | |
| PCB-183 | 41:57 | 4620208 | 1.05 | 1.1368 | 124.1 | 124.1 | 0.009360 | 0.009360 | | |
| PCB-185 (C183) | 41:57 | 4620208 | 1.05 | 1.1368 | 124.1 | 124.1 | 0.009360 | 0.009360 | | |
| PCB-174 | 42:10 | 6560740 | 1.05 | 0.9547 | 209.8 | 209.8 | 0.0111 | 0.0111 | | |
| PCB-177 | 42:37 | 3929900 | 1.06 | 0.9426 | 127.3 | 127.3 | 0.0113 | 0.0113 | | |
| PCB-181 | 43:00 | 68006 | 1.00 | 1.1075 | 1.874 | 1.874 | 0.009608 | 0.009608 | | |
| PCB-171 | 43:14 | 1882868 | 1.06 | 0.9603 | 59.8 | 59.8 | 0.0111 | 0.0111 | | |
| PCB-173 (C171) | 43:14 | 1882868 | 1.06 | 0.9603 | 59.8 | 59.8 | 0.0111 | 0.0111 | | |
| PCB-172 | 44:52 | 990163 | 1.07 | 0.9918 | 30.5 | 30.5 | 0.0107 | 0.0107 | | |
| PCB-192 | 45:06 | | | | | | 0.008246 | 0.008246 | | |
| PCB-180 | 45:31 | 14727029 | 1.06 | 1.2286 | 365.9 | 365.9 | 0.008661 | 0.008661 | | |
| PCB-193 (C180) | 45:31 | 14727029 | 1.06 | 1.2286 | 365.9 | 365.9 | 0.008661 | 0.008661 | | |
| PCB-191 | 45:52 | 332371 | 1.03 | 1.3848 | 7.326 | 7.326 | 0.007684 | 0.007684 | | |
| PCB-170 | 46:46 | 5407610 | 1.07 | 1.2700 | 157.3 | 157.3 | 0.0101 | 0.0101 | | |
| PCB-190 | 47:18 | 1553289 | 1.06 | 1.3774 | 34.4 | 34.4 | 0.007725 | 0.007725 | | |
| PCB-189 | 49:54 | 498343 | 1.07 | 1.2799 | 5.960 | 5.960 | 0.1023 | 0.1023 | | |
| S Total Octachlorobipheny | | | | | 375.1 | 375.1 | 0.0766 | 0.0766 | | |
| D PCB-202L | 42:43 | 3502792 | 0.93 | 1.0055 | 94.7 | 94.7 | 0.0717 | 0.0717 | 94.68 | |
| * PCB-194L | 51:59 | 4712214 | 0.93 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:28 | 4870746 | 0.91 | 1.2867 | 80.3 | 80.3 | 0.5777 | 0.5777 | 80.33 | |
| PCB-202 | 42:45 | 726564 | 0.92 | 1.0531 | 19.7 | 19.7 | 0.0137 | 0.0137 | | |
| PCB-201 | 43:40 | 511235 | 0.88 | 1.1860 | 12.3 | 12.3 | 0.0122 | 0.0122 | | |
| PCB-204 | 44:18 | | | | | | 0.0131 | 0.0131 | | |
| PCB-197 | 44:34 | 130010 | 0.91 | 1.2053 | 3.079 | 3.079 | 0.0120 | 0.0120 | | |
| PCB-200 | 44:41 | 462383 | 0.90 | 1.1260 | 11.7 | 11.7 | 0.0128 | 0.0128 | | |
| PCB-198 | 47:29 | 2795518 | 0.90 | 0.8183 | 97.5 | 97.5 | 0.0177 | 0.0177 | | |
| PCB-199 (C198) | 47:29 | 2795518 | 0.90 | 0.8183 | 97.5 | 97.5 | 0.0177 | 0.0177 | | |
| PCB-196 | 48:09 | 1312569 | 0.91 | 0.8748 | 42.8 | 42.8 | 0.0165 | 0.0165 | | |
| PCB-203 | 48:20 | 1815350 | 0.90 | 0.9219 | 56.2 | 56.2 | 0.0157 | 0.0157 | | |
| PCB-195 | 49:39 | 1489501 | 0.89 | 0.7839 | 39.0 | 39.0 | 0.2941 | 0.2941 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 52:01 | 3991602 | 0.91 | 0.9282 | 88.3 | 88.3 | 0.2484 | 0.2484 | | |
| PCB-205 | 52:29 | 262571 | 0.91 | 1.2342 | 4.368 | 4.368 | 0.1868 | 0.1868 | | |
| S Total Nonachlorobipheny | | | | | 50.7 | 50.7 | 0.2209 | 0.2209 | | |
| D PCB-208L | 49:24 | 4321691 | 0.78 | 1.1383 | 80.6 | 80.6 | 0.1891 | 0.1891 | 80.57 | |
| D PCB-206L | 54:14 | 3045066 | 0.85 | 0.8938 | 72.3 | 72.3 | 0.2409 | 0.2409 | 72.30 | |
| PCB-208 | 49:26 | 502328 | 0.80 | 1.1567 | 10.0 | 10.0 | 0.1991 | 0.1991 | | |
| PCB-207 | 50:22 | 228942 | 0.76 | 1.3964 | 4.451 | 4.451 | 0.1926 | 0.1926 | | |
| PCB-206 | 54:15 | 1316336 | 0.80 | 1.1927 | 36.2 | 36.2 | 0.2710 | 0.2710 | | |
| D PCB-209L | 55:52 | 3073028 | 0.73 | 0.9809 | 66.5 | 66.5 | 0.0488 | 0.0488 | 66.49 | |
| DCB Decachlorobiphenyl | 55:54 | 887117 | 0.71 | 1.2455 | 23.2 | 23.2 | 0.0200 | 0.0200 | | |
| S Polychlorinated bipheny | | | | | 9790.8 | 23.2 | 0.1145 | 0.1145 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d
Lims ID: 580-88908-A-28-F
Client ID: J5-SC1b-40to50-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 17:46:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-008
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 20:06:38 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 20:06:38

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:45 | 11:45 | -1 | 0.728 | 2655905 | 1058093 | 1021 | 2552 | 1036 | | |
| 202.0766 | 11:45 | 11:45 | -1 | 0.728 | 891930 | 351033 | 2138 | 5345 | 164 | 2.98(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:55 | -1 | 0.862 | 2961068 | 1016418 | 1021 | 2552 | 996 | | |
| 202.0766 | 13:55 | 13:55 | -1 | 0.862 | 930958 | 316483 | 2138 | 5345 | 148 | 3.18(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:46 | 11:46 | -1 | 1.001 | 400644 | 161185 | 321 | 802 | 502 | | |
| 190.0363 | 11:46 | 11:46 | -1 | 1.001 | 124062 | 47902 | 136 | 340 | 352 | 3.23(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | 13:45 | -1 | 0.988 | 42887 | 14716 | 321 | 802 | 46 | | |
| 190.0363 | 13:45 | 13:45 | -1 | 0.988 | 13970 | 4793 | 136 | 340 | 35 | 3.07(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | 13:56 | -1 | 1.001 | 191038 | 66004 | 321 | 802 | 206 | | |
| 190.0363 | 13:56 | 13:56 | -1 | 1.001 | 56385 | 19794 | 136 | 340 | 146 | 3.39(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:10 | -1 | 0.878 | 1072523 | 367934 | 628 | 1570 | 586 | | |
| 236.0376 | 14:10 | 14:10 | -1 | 0.878 | 657583 | 224611 | 183 | 457 | 1227 | 1.63(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:10 | -1 | | 2794691 | 853727 | 628 | 1570 | 1359 | | |
| 236.0376 | 16:09 | 16:10 | -1 | | 1709510 | 521532 | 183 | 457 | 2850 | 1.63(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:03 | 0 | 1.243 | 2389586 | 597333 | 628 | 1570 | 951 | | |
| 236.0376 | 20:04 | 20:03 | 0 | 1.243 | 1484060 | 376286 | 183 | 457 | 2056 | 1.61(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:11 | 14:11 | -1 | 1.001 | 84291 | 27840 | 102 | 255 | 273 | | |
| 223.9974 | 14:11 | 14:11 | -1 | 1.001 | 52277 | 17122 | 97 | 242 | 177 | 1.61(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | RQ |
| 222.0003 | 14:21 | 14:22 | -2 | 1.013 | 11973 | 3326 | 102 | 255 | 33 | | |
| | Empc Correction | | | | 10288 | 3388 | 102 | 255 | 33 | | |
| 223.9974 | 14:21 | 14:22 | -2 | 1.013 | 6595 | 2172 | 97 | 242 | 22 | 1.82(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:10 | 16:09 | -1 | 1.140 | 33298 | 10000 | 102 | 255 | 98 | | |
| 223.9974 | 16:10 | 16:09 | -1 | 1.140 | 23122 | 7037 | 97 | 242 | 73 | 1.44(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:19 | -1 | 1.152 | 29293 | 9432 | 102 | 255 | 92 | | |
| 223.9974 | 16:20 | 16:19 | -1 | 1.152 | 20267 | 5282 | 97 | 242 | 54 | 1.45(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:34 | 16:33 | -1 | 1.169 | 128244 | 37886 | 102 | 255 | 371 | | |
| 223.9974 | 16:34 | 16:33 | -1 | 1.169 | 83825 | 24203 | 97 | 242 | 250 | 1.53(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:53 | 16:51 | 0 | 1.191 | 11033 | 3157 | 102 | 255 | 31 | | |
| 223.9974 | 16:53 | 16:51 | 0 | 1.191 | 6489 | 2062 | 97 | 242 | 21 | 1.70(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:01 | 16:59 | 0 | 1.200 | 439749 | 123416 | 102 | 255 | 1210 | | |
| 223.9974 | 17:01 | 16:59 | 0 | 1.200 | 268350 | 78049 | 97 | 242 | 805 | 1.64(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | | | | | | 102 | 255 | | | |
| 223.9974 | 18:38 | | | | | | 97 | 242 | | | |
| PCB-11 | | | | | | | | | | | Ma |
| 222.0003 | 19:29 | 19:29 | 1 | 0.971 | 32986 | 8724 | 102 | 255 | 86 | | M |
| 223.9974 | 19:28 | 19:29 | 0 | 0.970 | 21974 | 5514 | 97 | 242 | 57 | 1.50(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | Ma |
| 222.0003 | 19:45 | 19:45 | -3 | 0.984 | 71087 | 15118 | 102 | 255 | 148 | | M |
| 223.9974 | 19:45 | 19:45 | -3 | 0.984 | 42719 | 9084 | 97 | 242 | 94 | 1.66(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | Ma |
| 222.0003 | 19:45 | 19:45 | -3 | 0.984 | 71087 | 15118 | 102 | 255 | 148 | | M |
| 223.9974 | 19:45 | 19:45 | -3 | 0.984 | 42719 | 9084 | 97 | 242 | 94 | 1.66(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:06 | 0 | 1.001 | 319642 | 80735 | 102 | 255 | 792 | | |
| 223.9974 | 20:06 | 20:06 | 0 | 1.001 | 197525 | 48175 | 97 | 242 | 497 | 1.62(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:17 | 17:18 | -1 | 0.841 | 686601 | 204550 | 808 | 2020 | 253 | | |
| 269.9986 | 17:17 | 17:18 | -1 | 0.841 | 641975 | 188350 | 553 | 1382 | 341 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:33 | 20:33 | 0 | | 1660891 | 419650 | 808 | 2020 | 519 | | |
| 269.9986 | 20:33 | 20:33 | 0 | | 1471693 | 372428 | 553 | 1382 | 673 | 1.13(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:49 | 22:49 | 0 | | 4667480 | 1137184 | 1308 | 3270 | 869 | | |
| 269.9986 | 22:49 | 22:49 | 0 | | 4372215 | 1054302 | 982 | 2455 | 1074 | 1.07(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:07 | 23:07 | 0 | 1.013 | 4174365 | 999406 | 1308 | 3270 | 764 | | |
| 269.9986 | 23:07 | 23:07 | 0 | 1.013 | 3864918 | 937334 | 982 | 2455 | 955 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:07 | 27:08 | 0 | 1.189 | 3827964 | 838022 | 1308 | 3270 | 641 | | |
| 269.9986 | 27:07 | 27:08 | 0 | 1.189 | 3556963 | 797170 | 982 | 2455 | 812 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | 17:18 | -1 | 1.001 | 22494 | 6555 | 64 | 160 | 102 | | |
| 257.9584 | 17:19 | 17:18 | 0 | 1.002 | 22521 | 6305 | 58 | 145 | 109 | 1.00(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:08 | 1 | 1.110 | 375499 | 98180 | 64 | 160 | 1534 | | |
| 257.9584 | 19:11 | 19:08 | 1 | 1.110 | 352047 | 94153 | 58 | 145 | 1623 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:08 | 1 | 1.110 | 375499 | 98180 | 64 | 160 | 1534 | | |
| 257.9584 | 19:11 | 19:08 | 1 | 1.110 | 352047 | 94153 | 58 | 145 | 1623 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | 19:35 | 0 | 1.134 | 203101 | 53351 | 64 | 160 | 834 | | |
| 257.9584 | 19:36 | 19:35 | 0 | 1.134 | 189970 | 50398 | 58 | 145 | 869 | 1.07(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | 19:47 | 0 | 1.146 | 33555 | 8431 | 64 | 160 | 132 | | |
| 257.9584 | 19:48 | 19:47 | 0 | 1.146 | 33781 | 9026 | 58 | 145 | 156 | 0.99(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | RQ |
| 255.9613 | 19:56 | 19:55 | 0 | 1.154 | 5084 | 1617 | 64 | 160 | 25 | | |
| 257.9584 | 19:56 | 19:55 | 0 | 1.154 | 6893 | 1829 | 58 | 145 | 32 | 0.74(0.88-1.20) | |
| | Empc Correction | | | | 4888 | 1554 | 58 | 145 | 27 | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:03 | 20:02 | 0 | 1.160 | 108608 | 27780 | 64 | 160 | 434 | | |
| 257.9584 | 20:02 | 20:02 | -1 | 1.160 | 103273 | 26283 | 58 | 145 | 453 | 1.05(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | 20:33 | 0 | 1.190 | 178207 | 45515 | 64 | 160 | 711 | | |
| 257.9584 | 20:34 | 20:33 | 0 | 1.190 | 170110 | 44818 | 58 | 145 | 773 | 1.05(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:50 | 21:48 | 0 | 1.264 | 50435 | 12869 | 1221 | 3052 | 11 | | |
| 257.9584 | 21:50 | 21:48 | 0 | 1.264 | 48300 | 12552 | 1494 | 3735 | 8 | 1.04(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | | | | | | 1221 | 3052 | | | |
| 257.9584 | 21:58 | | | | | | 1494 | 3735 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:16 | -1 | 1.289 | 707677 | 171200 | 1221 | 3052 | 140 | | |
| 257.9584 | 22:17 | 22:16 | -1 | 1.289 | 658092 | 161069 | 1494 | 3735 | 108 | 1.08(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:16 | -1 | 1.289 | 707677 | 171200 | 1221 | 3052 | 140 | | |
| 257.9584 | 22:17 | 22:16 | -1 | 1.289 | 658092 | 161069 | 1494 | 3735 | 108 | 1.08(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:31 | 22:34 | 0 | 0.831 | 455436 | 108793 | 1221 | 3052 | 89 | | |
| 257.9584 | 22:31 | 22:34 | 0 | 0.831 | 412754 | 101002 | 1494 | 3735 | 68 | 1.10(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:50 | 22:52 | 0 | 0.842 | 2396616 | 586714 | 1221 | 3052 | 481 | | |
| 257.9584 | 22:50 | 22:52 | 0 | 0.842 | 2229115 | 543698 | 1494 | 3735 | 364 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:10 | 0 | 0.853 | 3598917 | 862706 | 1221 | 3052 | 707 | | |
| 257.9584 | 23:08 | 23:10 | 0 | 0.853 | 3352159 | 808537 | 1494 | 3735 | 541 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:10 | 0 | 0.853 | 3598917 | 862706 | 1221 | 3052 | 707 | | |
| 257.9584 | 23:08 | 23:10 | 0 | 0.853 | 3352159 | 808537 | 1494 | 3735 | 541 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:23 | 23:24 | 0 | 0.862 | 1491087 | 356707 | 1221 | 3052 | 292 | | |
| 257.9584 | 23:23 | 23:24 | 0 | 0.862 | 1373072 | 329901 | 1494 | 3735 | 221 | 1.09(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:23 | 23:24 | 0 | 0.862 | 1491087 | 356707 | 1221 | 3052 | 292 | | |
| 257.9584 | 23:23 | 23:24 | 0 | 0.862 | 1373072 | 329901 | 1494 | 3735 | 221 | 1.09(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:46 | 23:48 | 0 | 0.877 | 625785 | 150355 | 1221 | 3052 | 123 | | |
| 257.9584 | 23:46 | 23:48 | 0 | 0.877 | 584169 | 138842 | 1494 | 3735 | 93 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | Ma |
| 255.9613 | 25:20 | 25:20 | 0 | 0.934 | 17456 | 4078 | 1221 | 3052 | 3 | | M |
| 257.9584 | 25:20 | 25:20 | 0 | 0.934 | 14516 | 4001 | 1494 | 3735 | 3 | 1.20(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | Ma |
| 255.9613 | 25:41 | 25:41 | 0 | 0.947 | 97311 | 19815 | 1221 | 3052 | 16 | | M |
| 257.9584 | 25:41 | 25:41 | 0 | 0.947 | 83620 | 16761 | 1494 | 3735 | 11 | 1.16(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:16 | | | | | | 1221 | 3052 | | | |
| 257.9584 | 26:16 | | | | | | 1494 | 3735 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:44 | 26:46 | 0 | 0.986 | 66697 | 15906 | 1221 | 3052 | 13 | | |
| 257.9584 | 26:44 | 26:46 | 0 | 0.986 | 58201 | 14023 | 1494 | 3735 | 9 | 1.15(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:09 | 27:10 | 0 | 1.001 | 854881 | 187630 | 1221 | 3052 | 154 | | |
| 257.9584 | 27:09 | 27:10 | 0 | 1.001 | 814428 | 178755 | 1494 | 3735 | 120 | 1.05(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:23 | 0 | 0.816 | 620444 | 159334 | 126 | 315 | 1265 | | |
| 303.9597 | 20:22 | 20:23 | 0 | 0.816 | 757908 | 195426 | 6 | 15 | 32571 | 0.82(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:57 | 24:57 | 0 | | 2058316 | 470792 | 312 | 780 | 1509 | | |
| 303.9597 | 24:57 | 24:57 | 0 | | 2566016 | 592125 | 192 | 480 | 3084 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:53 | 33:54 | 1 | 1.358 | 2317313 | 475439 | 312 | 780 | 1524 | | |
| 303.9597 | 33:53 | 33:54 | 1 | 1.358 | 2923300 | 608879 | 192 | 480 | 3171 | 0.79(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:27 | 34:28 | 1 | 1.381 | 2465997 | 496818 | 312 | 780 | 1592 | | |
| 303.9597 | 34:27 | 34:28 | 1 | 1.381 | 3009584 | 598882 | 192 | 480 | 3119 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:24 | 0 | 1.000 | 3838 | 1013 | 4 | 10 | 253 | | |
| 291.9194 | 20:23 | 20:24 | -1 | 0.999 | 5197 | 1278 | 9 | 22 | 142 | 0.74(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:35 | -1 | 1.108 | 298806 | 71634 | 371 | 927 | 193 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.108 | 362345 | 89728 | 429 | 1072 | 209 | 0.82(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:35 | -1 | 1.108 | 298806 | 71634 | 371 | 927 | 193 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.108 | 362345 | 89728 | 429 | 1072 | 209 | 0.82(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:13 | 23:13 | -5 | 1.140 | 334378 | 42525 | 371 | 927 | 115 | | M |
| 291.9194 | 23:13 | 23:13 | -5 | 1.140 | 399181 | 53322 | 429 | 1072 | 124 | 0.84(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:13 | 23:13 | -5 | 1.140 | 334378 | 42525 | 371 | 927 | 115 | | M |
| 291.9194 | 23:13 | 23:13 | -5 | 1.140 | 399181 | 53322 | 429 | 1072 | 124 | 0.84(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | Ma |
| 289.9224 | 23:32 | 23:32 | 0 | 1.156 | 84348 | 21313 | 371 | 927 | 57 | | M |
| 291.9194 | 23:32 | 23:32 | 0 | 1.156 | 106885 | 25842 | 429 | 1072 | 60 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:59 | 24:58 | 1 | 1.226 | 5905173 | 1343751 | 371 | 927 | 3622 | | |
| 291.9194 | 24:58 | 24:58 | 0 | 1.226 | 7371754 | 1670704 | 429 | 1072 | 3894 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | RQMa |
| 289.9224 | 25:12 | 25:12 | 6 | 1.238 | 57121 | 12645 | 371 | 927 | 34 | | M |
| 291.9194 | 25:12 | 25:12 | 6 | 1.238 | 89581 | 18808 | 429 | 1072 | 44 | 0.64(0.65-0.89) | |
| | Empc Correction | | | | 74183 | 16422 | 429 | 1072 | 38 | | |
| PCB-73 (C43) | | | | | | | | | | | RQMa |
| 289.9224 | 25:12 | 25:12 | 6 | 1.238 | 57121 | 12645 | 371 | 927 | 34 | | M |
| 291.9194 | 25:12 | 25:12 | 6 | 1.238 | 89581 | 18808 | 429 | 1072 | 44 | 0.64(0.65-0.89) | |
| | Empc Correction | | | | 74183 | 16422 | 429 | 1072 | 38 | | |
| PCB-49 | | | | | | | | | | | M |
| 289.9224 | 25:28 | 25:28 | 3 | 1.250 | 4149831 | 956839 | 371 | 927 | 2579 | | M |
| 291.9194 | 25:28 | 25:28 | 3 | 1.250 | 5233530 | 1202065 | 429 | 1072 | 2802 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | M |
| 289.9224 | 25:28 | 25:28 | 3 | 1.250 | 4149831 | 956839 | 371 | 927 | 2579 | | M |
| 291.9194 | 25:28 | 25:28 | 3 | 1.250 | 5233530 | 1202065 | 429 | 1072 | 2802 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:45 | 25:45 | 0 | 1.264 | 316240 | 73692 | 371 | 927 | 199 | | |
| 291.9194 | 25:45 | 25:45 | 0 | 1.264 | 419534 | 94210 | 429 | 1072 | 220 | 0.75(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:58 | 26:00 | -2 | 1.275 | 4048009 | 614917 | 371 | 927 | 1657 | | |
| 291.9194 | 25:58 | 26:00 | -2 | 1.275 | 5093915 | 774362 | 429 | 1072 | 1805 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 26:00 | -2 | 1.275 | 4048009 | 614917 | 371 | 927 | 1657 | | |
| 291.9194 | 25:58 | 26:00 | -2 | 1.275 | 5093915 | 774362 | 429 | 1072 | 1805 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 26:00 | -2 | 1.275 | 4048009 | 614917 | 371 | 927 | 1657 | | |
| 291.9194 | 25:58 | 26:00 | -2 | 1.275 | 5093915 | 774362 | 429 | 1072 | 1805 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:18 | 3 | 1.293 | 357518 | 59117 | 371 | 927 | 159 | | |
| 291.9194 | 26:20 | 26:18 | 3 | 1.293 | 466796 | 76449 | 429 | 1072 | 178 | 0.77(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:18 | 3 | 1.293 | 357518 | 59117 | 371 | 927 | 159 | | |
| 291.9194 | 26:20 | 26:18 | 3 | 1.293 | 466796 | 76449 | 429 | 1072 | 178 | 0.77(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:18 | 3 | 1.293 | 357518 | 59117 | 371 | 927 | 159 | | |
| 291.9194 | 26:20 | 26:18 | 3 | 1.293 | 466796 | 76449 | 429 | 1072 | 178 | 0.77(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:30 | 26:30 | 0 | 1.301 | 871590 | 199212 | 371 | 927 | 537 | | |
| 291.9194 | 26:30 | 26:30 | 0 | 1.301 | 1102474 | 250002 | 429 | 1072 | 583 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 1164497 | 250915 | 371 | 927 | 676 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 1472841 | 309319 | 429 | 1072 | 721 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 1164497 | 250915 | 371 | 927 | 676 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 1472841 | 309319 | 429 | 1072 | 721 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 1164497 | 250915 | 371 | 927 | 676 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 1472841 | 309319 | 429 | 1072 | 721 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:12 | 27:13 | 0 | 1.336 | 1459961 | 327172 | 371 | 927 | 882 | | |
| 291.9194 | 27:12 | 27:13 | 0 | 1.336 | 1842652 | 410244 | 429 | 1072 | 956 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:04 | 28:05 | 1 | 0.828 | 377348 | 83957 | 371 | 927 | 226 | | |
| 291.9194 | 28:03 | 28:05 | 1 | 0.828 | 459878 | 105023 | 429 | 1072 | 245 | 0.82(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:20 | 28:22 | 1 | 0.836 | 227890 | 49201 | 371 | 927 | 133 | | |
| 291.9194 | 28:20 | 28:22 | 1 | 0.836 | 284804 | 63557 | 429 | 1072 | 148 | 0.80(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:45 | | | | | | 371 | 927 | | | |
| 291.9194 | 28:45 | | | | | | 429 | 1072 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:00 | 29:01 | 1 | 0.856 | 85920 | 21556 | 371 | 927 | 58 | | |
| 291.9194 | 29:00 | 29:01 | 1 | 0.856 | 118228 | 28957 | 429 | 1072 | 67 | 0.73(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:10 | 29:11 | 1 | 0.861 | 131728 | 28887 | 371 | 927 | 78 | | |
| 291.9194 | 29:10 | 29:11 | 1 | 0.861 | 179078 | 36769 | 429 | 1072 | 86 | 0.74(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:26 | 29:27 | 1 | 0.869 | 259145 | 57925 | 371 | 927 | 156 | | |
| 291.9194 | 29:26 | 29:27 | 1 | 0.869 | 320214 | 71648 | 429 | 1072 | 167 | 0.81(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:48 | 0 | 0.878 | 9880949 | 1655292 | 371 | 927 | 4462 | | |
| 291.9194 | 29:45 | 29:48 | 0 | 0.878 | 12299147 | 2056286 | 429 | 1072 | 4793 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:48 | 0 | 0.878 | 9880949 | 1655292 | 371 | 927 | 4462 | | |
| 291.9194 | 29:45 | 29:48 | 0 | 0.878 | 12299147 | 2056286 | 429 | 1072 | 4793 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:48 | 0 | 0.878 | 9880949 | 1655292 | 371 | 927 | 4462 | | |
| 291.9194 | 29:45 | 29:48 | 0 | 0.878 | 12299147 | 2056286 | 429 | 1072 | 4793 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:48 | 0 | 0.878 | 9880949 | 1655292 | 371 | 927 | 4462 | | |
| 291.9194 | 29:45 | 29:48 | 0 | 0.878 | 12299147 | 2056286 | 429 | 1072 | 4793 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:06 | 30:06 | 1 | 0.888 | 6497380 | 1363342 | 371 | 927 | 3675 | | M |
| 291.9194 | 30:06 | 30:06 | 1 | 0.888 | 8139217 | 1706637 | 429 | 1072 | 3978 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | RQMa |
| 289.9224 | 30:13 | 30:13 | -2 | 0.891 | 30502 | 7488 | 371 | 927 | 20 | | M |
| 291.9194 | 30:13 | 30:13 | -2 | 0.891 | 48892 | 10019 | 429 | 1072 | 23 | 0.62(0.65-0.89) | |
| | Empc Correction | | | | 39612 | 9724 | 429 | 1072 | 23 | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:45 | 30:47 | 1 | 0.908 | 1646069 | 355994 | 371 | 927 | 960 | | |
| 291.9194 | 30:45 | 30:47 | 1 | 0.908 | 2077934 | 448134 | 429 | 1072 | 1045 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:58 | 31:00 | 1 | 0.914 | 198397 | 41491 | 371 | 927 | 112 | | |
| 291.9194 | 30:58 | 31:00 | 1 | 0.914 | 268012 | 55120 | 429 | 1072 | 128 | 0.74(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:24 | | | | | | 371 | 927 | | | |
| 291.9194 | 31:24 | | | | | | 429 | 1072 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:55 | 32:56 | 2 | 0.971 | 260247 | 52626 | 371 | 927 | 142 | | |
| 291.9194 | 32:55 | 32:56 | 2 | 0.971 | 328268 | 65594 | 429 | 1072 | 153 | 0.79(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:28 | | | | | | 371 | 927 | | | |
| 291.9194 | 33:28 | | | | | | 429 | 1072 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:54 | | | | | | 371 | 927 | | | |
| 291.9194 | 33:54 | | | | | | 429 | 1072 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:29 | 34:30 | 1 | 1.001 | 538900 | 113091 | 371 | 927 | 305 | | |
| 291.9194 | 34:29 | 34:30 | 1 | 1.001 | 681923 | 143682 | 429 | 1072 | 335 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:54 | 25:56 | 0 | 0.814 | 2079671 | 477082 | 43 | 107 | 11095 | | |
| 339.9178 | 25:54 | 25:56 | 0 | 0.814 | 1265901 | 286694 | 73 | 182 | 3927 | 1.64(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:50 | 31:48 | 2 | | 2028542 | 424809 | 43 | 107 | 9879 | | |
| 339.9178 | 31:49 | 31:48 | 1 | | 1292518 | 279129 | 73 | 182 | 3824 | 1.57(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:31 | 34:32 | 2 | 1.084 | 2359341 | 488338 | 43 | 107 | 11357 | | |
| 339.9178 | 34:31 | 34:32 | 2 | 1.084 | 1491981 | 314856 | 73 | 182 | 4313 | 1.58(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:29 | 36:30 | 2 | 1.146 | 3429611 | 700044 | 2654 | 6635 | 264 | | |
| 339.9178 | 36:29 | 36:30 | 2 | 1.146 | 2143357 | 448665 | 1709 | 4272 | 263 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:48 | 36:49 | 2 | 1.156 | 3623346 | 742015 | 2654 | 6635 | 280 | | |
| 339.9178 | 36:48 | 36:49 | 2 | 1.156 | 2237762 | 468295 | 1709 | 4272 | 274 | 1.62(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:20 | 37:21 | 2 | 1.173 | 3456385 | 707484 | 2654 | 6635 | 267 | | |
| 339.9178 | 37:20 | 37:21 | 2 | 1.173 | 2094888 | 424004 | 1709 | 4272 | 248 | 1.65(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:58 | 38:00 | 1 | 1.193 | 3527847 | 711924 | 2654 | 6635 | 268 | | |
| 339.9178 | 37:58 | 38:00 | 1 | 1.193 | 2210571 | 442423 | 1709 | 4272 | 259 | 1.60(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:28 | 39:26 | 2 | | 4215235 | 858111 | 2654 | 6635 | 323 | | |
| 339.9178 | 39:28 | 39:26 | 2 | | 2622970 | 525750 | 1709 | 4272 | 308 | 1.61(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:04 | 41:06 | 2 | 1.290 | 3624419 | 727308 | 2654 | 6635 | 274 | | |
| 339.9178 | 41:04 | 41:06 | 2 | 1.290 | 2221364 | 440592 | 1709 | 4272 | 258 | 1.63(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:55 | | | | | | 53 | 132 | | | |
| 327.8775 | 25:55 | | | | | | 36 | 90 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:17 | 26:18 | 0 | 1.015 | 72452 | 16286 | 53 | 132 | 307 | | |
| 327.8775 | 26:17 | 26:18 | 0 | 1.015 | 42451 | 10307 | 36 | 90 | 286 | 1.71(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:14 | 28:15 | 1 | 1.091 | 325235 | 72763 | 53 | 132 | 1373 | | |
| 327.8775 | 28:14 | 28:15 | 1 | 1.091 | 206499 | 47019 | 36 | 90 | 1306 | 1.57(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:27 | | | | | | 53 | 132 | | | |
| 327.8775 | 28:27 | | | | | | 36 | 90 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:53 | 28:54 | 1 | 1.116 | 7631448 | 1643200 | 53 | 132 | 31004 | | |
| 327.8775 | 28:53 | 28:54 | 1 | 1.116 | 4924581 | 1069919 | 36 | 90 | 29720 | 1.55(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:07 | 29:08 | 1 | 1.124 | 188573 | 37010 | 53 | 132 | 698 | | |
| 327.8775 | 29:07 | 29:08 | 1 | 1.124 | 116214 | 22707 | 36 | 90 | 631 | 1.62(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:07 | 29:08 | 1 | 1.124 | 188573 | 37010 | 53 | 132 | 698 | | |
| 327.8775 | 29:07 | 29:08 | 1 | 1.124 | 116214 | 22707 | 36 | 90 | 631 | 1.62(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:15 | 29:16 | 0 | 1.130 | 328013 | 54966 | 53 | 132 | 1037 | | |
| 327.8775 | 29:15 | 29:16 | 0 | 1.130 | 199866 | 32481 | 36 | 90 | 902 | 1.64(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:15 | 29:16 | 0 | 1.130 | 328013 | 54966 | 53 | 132 | 1037 | | |
| 327.8775 | 29:15 | 29:16 | 0 | 1.130 | 199866 | 32481 | 36 | 90 | 902 | 1.64(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:46 | 29:46 | 1 | 1.150 | 1663981 | 353076 | 53 | 132 | 6662 | | |
| 327.8775 | 29:45 | 29:46 | 1 | 1.149 | 1048635 | 222221 | 36 | 90 | 6173 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:46 | 29:46 | 1 | 1.150 | 1663981 | 353076 | 53 | 132 | 6662 | | |
| 327.8775 | 29:45 | 29:46 | 1 | 1.149 | 1048635 | 222221 | 36 | 90 | 6173 | 1.59(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:59 | 29:59 | 1 | 1.158 | 2186826 | 477643 | 53 | 132 | 9012 | | |
| 327.8775 | 29:59 | 29:59 | 1 | 1.158 | 1377668 | 296914 | 36 | 90 | 8248 | 1.59(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:27 | 30:28 | 0 | 1.176 | 67563 | 13673 | 53 | 132 | 258 | | |
| 327.8775 | 30:27 | 30:28 | 0 | 1.176 | 44922 | 8509 | 36 | 90 | 236 | 1.50(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:52 | | | | | | 53 | 132 | | | |
| 327.8775 | 30:52 | | | | | | 36 | 90 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:15 | 31:17 | 1 | 0.857 | 2686951 | 578621 | 53 | 132 | 10917 | | |
| 327.8775 | 31:15 | 31:17 | 1 | 0.857 | 1699658 | 372296 | 36 | 90 | 10342 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:50 | 2 | 1.230 | 12697365 | 2636362 | 53 | 132 | 49743 | | |
| 327.8775 | 31:50 | 31:50 | 2 | 1.230 | 8121723 | 1691895 | 36 | 90 | 46997 | 1.56(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:50 | 2 | 1.230 | 12697365 | 2636362 | 53 | 132 | 49743 | | |
| 327.8775 | 31:50 | 31:50 | 2 | 1.230 | 8121723 | 1691895 | 36 | 90 | 46997 | 1.56(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:50 | 2 | 1.230 | 12697365 | 2636362 | 53 | 132 | 49743 | | |
| 327.8775 | 31:50 | 31:50 | 2 | 1.230 | 8121723 | 1691895 | 36 | 90 | 46997 | 1.56(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:26 | 32:26 | 1 | 1.252 | 7509270 | 1463980 | 53 | 132 | 27622 | | M |
| 327.8775 | 32:26 | 32:26 | 1 | 1.252 | 4790700 | 952078 | 36 | 90 | 26447 | 1.57(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:26 | 32:26 | 1 | 1.252 | 7509270 | 1463980 | 53 | 132 | 27622 | | M |
| 327.8775 | 32:26 | 32:26 | 1 | 1.252 | 4790700 | 952078 | 36 | 90 | 26447 | 1.57(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:32 | | | | | | 53 | 132 | | | |
| 327.8775 | 32:32 | | | | | | 36 | 90 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:55 | 32:55 | 2 | 1.271 | 7303196 | 881637 | 53 | 132 | 16635 | | M |
| 327.8775 | 32:55 | 32:55 | 2 | 1.271 | 4583781 | 556327 | 36 | 90 | 15454 | 1.59(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:55 | 32:55 | 2 | 1.271 | 7303196 | 881637 | 53 | 132 | 16635 | | M |
| 327.8775 | 32:55 | 32:55 | 2 | 1.271 | 4583781 | 556327 | 36 | 90 | 15454 | 1.59(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:55 | 32:55 | 2 | 1.271 | 7303196 | 881637 | 53 | 132 | 16635 | | M |
| 327.8775 | 32:55 | 32:55 | 2 | 1.271 | 4583781 | 556327 | 36 | 90 | 15454 | 1.59(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:55 | 32:55 | 2 | 1.271 | 7303196 | 881637 | 53 | 132 | 16635 | | M |
| 327.8775 | 32:55 | 32:55 | 2 | 1.271 | 4583781 | 556327 | 36 | 90 | 15454 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:55 | 32:55 | 2 | 1.271 | 7303196 | 881637 | 53 | 132 | 16635 | | M |
| 327.8775 | 32:55 | 32:55 | 2 | 1.271 | 4583781 | 556327 | 36 | 90 | 15454 | 1.59(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:55 | 32:55 | 2 | 1.271 | 7303196 | 881637 | 53 | 132 | 16635 | | M |
| 327.8775 | 32:55 | 32:55 | 2 | 1.271 | 4583781 | 556327 | 36 | 90 | 15454 | 1.59(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:39 | 33:39 | 1 | 1.299 | 1915213 | 336047 | 53 | 132 | 6341 | | |
| 327.8775 | 33:39 | 33:39 | 1 | 1.299 | 1187399 | 212517 | 36 | 90 | 5903 | 1.61(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:39 | 33:39 | 1 | 1.299 | 1915213 | 336047 | 53 | 132 | 6341 | | |
| 327.8775 | 33:39 | 33:39 | 1 | 1.299 | 1187399 | 212517 | 36 | 90 | 5903 | 1.61(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:39 | 33:39 | 1 | 1.299 | 1915213 | 336047 | 53 | 132 | 6341 | | |
| 327.8775 | 33:39 | 33:39 | 1 | 1.299 | 1187399 | 212517 | 36 | 90 | 5903 | 1.61(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:49 | 33:54 | -3 | 1.306 | 15978387 | 3290181 | 53 | 132 | 62079 | | |
| 327.8775 | 33:49 | 33:54 | -3 | 1.306 | 10194585 | 2096128 | 36 | 90 | 58226 | 1.57(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:49 | 33:54 | -3 | 1.306 | 15978387 | 3290181 | 53 | 132 | 62079 | | |
| 327.8775 | 33:49 | 33:54 | -3 | 1.306 | 10194585 | 2096128 | 36 | 90 | 58226 | 1.57(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:08 | 34:08 | 1 | 1.318 | 866479 | 169837 | 53 | 132 | 3204 | | |
| 327.8775 | 34:08 | 34:08 | 1 | 1.318 | 541329 | 106676 | 36 | 90 | 2963 | 1.60(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:31 | | | | | | 53 | 132 | | | |
| 327.8775 | 34:31 | | | | | | 36 | 90 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:00 | 35:00 | 2 | 1.352 | 246586 | 47272 | 53 | 132 | 892 | | |
| 327.8775 | 35:00 | 35:00 | 2 | 1.352 | 153051 | 27123 | 36 | 90 | 753 | 1.61(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:08 | 36:08 | 2 | 1.396 | 607201 | 126057 | 1462 | 3655 | 86 | | |
| 327.8775 | 36:08 | 36:08 | 2 | 1.396 | 392801 | 79990 | 1006 | 2515 | 80 | 1.55(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:08 | 36:08 | 2 | 1.396 | 607201 | 126057 | 1462 | 3655 | 86 | | |
| 327.8775 | 36:08 | 36:08 | 2 | 1.396 | 392801 | 79990 | 1006 | 2515 | 80 | 1.55(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:23 | 36:23 | 2 | 1.405 | 2262952 | 459967 | 1462 | 3655 | 315 | | |
| 327.8775 | 36:23 | 36:23 | 2 | 1.405 | 1415839 | 286884 | 1006 | 2515 | 285 | 1.60(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:29 | 36:32 | 1 | 1.000 | 272958 | 64664 | 1462 | 3655 | 44 | | |
| 327.8775 | 36:30 | 36:32 | 2 | 1.001 | 172188 | 39297 | 1006 | 2515 | 39 | 1.59(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:37 | | | | | | 1462 | 3655 | | | |
| 327.8775 | 36:37 | | | | | | 1006 | 2515 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:50 | 36:51 | 2 | 1.001 | 20749743 | 4193140 | 1462 | 3655 | 2868 | | |
| 327.8775 | 36:50 | 36:51 | 2 | 1.001 | 13197670 | 2635368 | 1006 | 2515 | 2620 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:10 | 37:12 | 2 | 1.010 | 223365 | 41855 | 1462 | 3655 | 29 | | |
| 327.8775 | 37:10 | 37:12 | 2 | 1.010 | 146230 | 26948 | 1006 | 2515 | 27 | 1.53(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:21 | 37:23 | 2 | 1.001 | 368400 | 63565 | 1462 | 3655 | 43 | | |
| 327.8775 | 37:21 | 37:23 | 2 | 1.001 | 230303 | 40689 | 1006 | 2515 | 40 | 1.60(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:00 | 38:02 | 1 | 1.001 | 5458558 | 1053813 | 1462 | 3655 | 721 | | |
| 327.8775 | 38:00 | 38:02 | 1 | 1.001 | 3459412 | 672604 | 1006 | 2515 | 669 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:28 | | | | | | 1462 | 3655 | | | |
| 327.8775 | 39:28 | | | | | | 1006 | 2515 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 41:06 | 41:06 | 3 | 1.001 | 87085 | 17798 | 1462 | 3655 | 12 | | M |
| 327.8775 | 41:06 | 41:06 | 3 | 1.001 | 54398 | 11212 | 1006 | 2515 | 11 | 1.60(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:36 | 31:37 | 1 | 0.791 | 1760576 | 372904 | 58 | 145 | 6429 | | |
| 373.8788 | 31:36 | 31:37 | 1 | 0.791 | 1357225 | 289514 | 27 | 67 | 10723 | 1.30(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:56 | 39:54 | 2 | | 2557273 | 523494 | 1096 | 2740 | 478 | | |
| 373.8788 | 39:56 | 39:54 | 2 | | 1965784 | 401369 | 966 | 2415 | 415 | 1.30(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:57 | 42:58 | 3 | 1.076 | 2877003 | 571972 | 1096 | 2740 | 522 | | |
| 373.8788 | 42:57 | 42:58 | 3 | 1.076 | 2280315 | 449598 | 966 | 2415 | 465 | 1.26(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:06 | 44:07 | 3 | 1.105 | 5560414 | 794501 | 1096 | 2740 | 725 | | |
| 373.8788 | 44:06 | 44:07 | 3 | 1.105 | 4384472 | 624319 | 966 | 2415 | 646 | 1.27(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:06 | 44:07 | 3 | 1.105 | 5560414 | 794501 | 1096 | 2740 | 725 | | |
| 373.8788 | 44:06 | 44:07 | 3 | 1.105 | 4384472 | 624319 | 966 | 2415 | 646 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:20 | 47:22 | 3 | 1.185 | 2873370 | 562892 | 1096 | 2740 | 514 | | |
| 373.8788 | 47:20 | 47:22 | 3 | 1.185 | 2237487 | 433051 | 966 | 2415 | 448 | 1.28(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:37 | | | | | | 26 | 65 | | | |
| 361.8385 | 31:37 | | | | | | 21 | 52 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:49 | 31:50 | 1 | 1.007 | 8519 | 1811 | 26 | 65 | 70 | | |
| 361.8385 | 31:48 | 31:50 | 0 | 1.006 | 7838 | 1494 | 21 | 52 | 71 | 1.09(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:58 | 32:00 | 0 | 1.012 | 60091 | 12191 | 26 | 65 | 469 | | |
| 361.8385 | 31:59 | 32:00 | 1 | 1.012 | 51397 | 11263 | 21 | 52 | 536 | 1.17(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:20 | 32:21 | 1 | 1.023 | 1803429 | 377236 | 26 | 65 | 14509 | | |
| 361.8385 | 32:20 | 32:21 | 1 | 1.023 | 1391899 | 292185 | 21 | 52 | 13914 | 1.30(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQU |
| 359.8415 | 32:39 | | | | | | 26 | 65 | | | |
| 361.8385 | 32:39 | | | | | | 21 | 52 | | | |
| PCB-148 | | | | | | | | | | | RQ |
| 359.8415 | 34:09 | 34:10 | 1 | 1.081 | 64424 | 13640 | 26 | 65 | 525 | | |
| | Empc Correction | | | | 55419 | 11600 | 26 | 65 | 446 | | |
| 361.8385 | 34:10 | 34:10 | 2 | 1.081 | 44693 | 9355 | 21 | 52 | 445 | 1.44(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:45 | 34:49 | -2 | 1.100 | 3616067 | 484173 | 26 | 65 | 18622 | | |
| 361.8385 | 34:45 | 34:49 | -2 | 1.100 | 2858334 | 382570 | 21 | 52 | 18218 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:45 | 34:49 | -2 | 1.100 | 3616067 | 484173 | 26 | 65 | 18622 | | |
| 361.8385 | 34:45 | 34:49 | -2 | 1.100 | 2858334 | 382570 | 21 | 52 | 18218 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:01 | 35:02 | 1 | 1.108 | 416461 | 84054 | 26 | 65 | 3233 | | |
| 361.8385 | 35:01 | 35:02 | 1 | 1.108 | 330666 | 66937 | 21 | 52 | 3187 | 1.26(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:19 | 35:20 | 1 | 1.118 | 397792 | 83693 | 26 | 65 | 3219 | | |
| 361.8385 | 35:19 | 35:20 | 1 | 1.118 | 314392 | 64119 | 21 | 52 | 3053 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:41 | 35:42 | 1 | 1.129 | 13056796 | 2663482 | 336 | 840 | 7927 | | |
| 361.8385 | 35:41 | 35:42 | 1 | 1.129 | 10456836 | 2126207 | 320 | 800 | 6644 | 1.25(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:41 | 35:42 | 1 | 1.129 | 13056796 | 2663482 | 336 | 840 | 7927 | | |
| 361.8385 | 35:41 | 35:42 | 1 | 1.129 | 10456836 | 2126207 | 320 | 800 | 6644 | 1.25(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:53 | 35:53 | -4 | 1.135 | 755974 | 139692 | 336 | 840 | 416 | | a |
| 361.8385 | 35:53 | 35:53 | -4 | 1.135 | 614985 | 115577 | 320 | 800 | 361 | 1.23(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:53 | 35:53 | -4 | 1.135 | 755974 | 139692 | 336 | 840 | 416 | | a |
| 361.8385 | 35:53 | 35:53 | -4 | 1.135 | 614985 | 115577 | 320 | 800 | 361 | 1.23(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:17 | 36:17 | 2 | 1.148 | 357135 | 66927 | 336 | 840 | 199 | | |
| 361.8385 | 36:17 | 36:17 | 2 | 1.148 | 280013 | 51462 | 320 | 800 | 161 | 1.28(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:17 | 36:17 | 2 | 1.148 | 357135 | 66927 | 336 | 840 | 199 | | |
| 361.8385 | 36:17 | 36:17 | 2 | 1.148 | 280013 | 51462 | 320 | 800 | 161 | 1.28(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:29 | 36:30 | 1 | 1.154 | 160422 | 30234 | 336 | 840 | 90 | | |
| 361.8385 | 36:29 | 36:30 | 1 | 1.154 | 127319 | 25153 | 320 | 800 | 79 | 1.26(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:37 | | | | | | 336 | 840 | | | |
| 361.8385 | 36:37 | | | | | | 320 | 800 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:56 | 36:57 | 1 | 1.169 | 4503902 | 924619 | 336 | 840 | 2752 | | |
| 361.8385 | 36:56 | 36:57 | 1 | 1.169 | 3571560 | 723704 | 320 | 800 | 2262 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:28 | 37:28 | 2 | 1.186 | 368870 | 74633 | 336 | 840 | 222 | | |
| 361.8385 | 37:27 | 37:28 | 1 | 1.185 | 298911 | 60170 | 320 | 800 | 188 | 1.23(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:51 | | | | | | 336 | 840 | | | |
| 361.8385 | 37:51 | | | | | | 320 | 800 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:06 | 38:08 | 2 | 0.887 | 3668463 | 744653 | 336 | 840 | 2216 | | |
| 361.8385 | 38:06 | 38:08 | 2 | 0.887 | 2909984 | 592898 | 320 | 800 | 1853 | 1.26(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:14 | | | | | | 336 | 840 | | | |
| 361.8385 | 38:14 | | | | | | 320 | 800 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:43 | 38:47 | 0 | 0.901 | 16819296 | 3403010 | 336 | 840 | 10128 | | |
| 361.8385 | 38:43 | 38:47 | 0 | 0.901 | 13360808 | 2676738 | 320 | 800 | 8365 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:43 | 38:47 | 0 | 0.901 | 16819296 | 3403010 | 336 | 840 | 10128 | | |
| 361.8385 | 38:43 | 38:47 | 0 | 0.901 | 13360808 | 2676738 | 320 | 800 | 8365 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:55 | 38:56 | 3 | 0.906 | 2303728 | 454798 | 336 | 840 | 1354 | | |
| 361.8385 | 38:54 | 38:56 | 2 | 0.906 | 1822412 | 357887 | 320 | 800 | 1118 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:19 | 39:21 | 2 | 0.915 | 1036039 | 203431 | 336 | 840 | 605 | | |
| 361.8385 | 39:19 | 39:21 | 2 | 0.915 | 833453 | 164426 | 320 | 800 | 514 | 1.24(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:34 | 2 | 0.921 | 653702 | 131003 | 336 | 840 | 390 | | |
| 361.8385 | 39:32 | 39:34 | 2 | 0.921 | 478435 | 106130 | 320 | 800 | 332 | 1.37(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:39 | 39:41 | 2 | 0.923 | 1411505 | 292502 | 336 | 840 | 871 | | |
| 361.8385 | 39:39 | 39:41 | 2 | 0.923 | 1160737 | 227542 | 320 | 800 | 711 | 1.22(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:00 | 1 | 0.930 | 16087044 | 3023696 | 336 | 840 | 8999 | | |
| 361.8385 | 39:57 | 40:00 | 1 | 0.930 | 12862170 | 2437967 | 320 | 800 | 7619 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:00 | 1 | 0.930 | 16087044 | 3023696 | 336 | 840 | 8999 | | |
| 361.8385 | 39:57 | 40:00 | 1 | 0.930 | 12862170 | 2437967 | 320 | 800 | 7619 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:00 | 1 | 0.930 | 16087044 | 3023696 | 336 | 840 | 8999 | | |
| 361.8385 | 39:57 | 40:00 | 1 | 0.930 | 12862170 | 2437967 | 320 | 800 | 7619 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:00 | 1 | 0.930 | 16087044 | 3023696 | 336 | 840 | 8999 | | |
| 361.8385 | 39:57 | 40:00 | 1 | 0.930 | 12862170 | 2437967 | 320 | 800 | 7619 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:21 | 40:23 | 2 | 0.939 | 1847211 | 355324 | 336 | 840 | 1058 | | |
| 361.8385 | 40:21 | 40:23 | 2 | 0.939 | 1455263 | 283418 | 320 | 800 | 886 | 1.27(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | Ma |
| 359.8415 | 41:13 | 41:13 | 3 | 0.959 | 2696528 | 482041 | 336 | 840 | 1435 | | M |
| 361.8385 | 41:13 | 41:13 | 3 | 0.959 | 2148324 | 391549 | 320 | 800 | 1224 | 1.26(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | Ma |
| 359.8415 | 41:13 | 41:13 | 3 | 0.959 | 2696528 | 482041 | 336 | 840 | 1435 | | M |
| 361.8385 | 41:13 | 41:13 | 3 | 0.959 | 2148324 | 391549 | 320 | 800 | 1224 | 1.26(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:11 | 42:14 | 1 | 0.982 | 246839 | 46490 | 336 | 840 | 138 | | |
| 361.8385 | 42:11 | 42:14 | 1 | 0.982 | 192765 | 37646 | 320 | 800 | 118 | 1.28(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | Ma |
| 359.8415 | 42:30 | 42:30 | 3 | 0.989 | 84917 | 17433 | 336 | 840 | 52 | | M |
| 361.8385 | 42:30 | 42:30 | 3 | 0.989 | 68967 | 12978 | 320 | 800 | 41 | 1.23(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:59 | 43:00 | 3 | 1.001 | 790199 | 156857 | 336 | 840 | 467 | | |
| 361.8385 | 42:59 | 43:00 | 3 | 1.001 | 633868 | 124629 | 320 | 800 | 389 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:06 | 44:09 | 2 | 1.000 | 2323163 | 403832 | 336 | 840 | 1202 | | |
| 361.8385 | 44:06 | 44:09 | 2 | 1.000 | 1870008 | 321320 | 320 | 800 | 1004 | 1.24(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:06 | 44:09 | 2 | 1.000 | 2323163 | 403832 | 336 | 840 | 1202 | | |
| 361.8385 | 44:06 | 44:09 | 2 | 1.000 | 1870008 | 321320 | 320 | 800 | 1004 | 1.24(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:22 | | | | | | 336 | 840 | | | |
| 361.8385 | 47:22 | | | | | | 320 | 800 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:20 | 37:22 | 1 | 0.820 | 2006651 | 406403 | 182 | 455 | 2233 | | |
| 407.8398 | 37:21 | 37:22 | 2 | 0.821 | 1838131 | 362869 | 28 | 70 | 12960 | 1.09(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:24 | 40:25 | 3 | 0.888 | 1610916 | 324655 | 182 | 455 | 1784 | | |
| 407.8398 | 40:24 | 40:25 | 3 | 0.888 | 1522090 | 310233 | 28 | 70 | 11080 | 1.06(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:30 | 45:27 | 3 | | 1915654 | 385514 | 182 | 455 | 2118 | | |
| 407.8398 | 45:30 | 45:27 | 3 | | 1763610 | 352803 | 28 | 70 | 12600 | 1.09(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:45 | 46:47 | 2 | 1.027 | 1370698 | 277685 | 182 | 455 | 1526 | | |
| 407.8398 | 46:45 | 46:47 | 2 | 1.027 | 1336376 | 268711 | 28 | 70 | 9597 | 1.03(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:52 | 49:54 | 3 | 1.096 | 3345315 | 653851 | 1755 | 4387 | 373 | | |
| 407.8398 | 49:52 | 49:54 | 3 | 1.096 | 3187781 | 641878 | 3014 | 7535 | 213 | 1.05(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:21 | | | | | | 15 | 37 | | | |
| 395.7995 | 37:21 | | | | | | 13 | 32 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:42 | 37:42 | 2 | 1.010 | 1986506 | 406378 | 15 | 37 | 27092 | | |
| 395.7995 | 37:42 | 37:42 | 2 | 1.010 | 1886868 | 385091 | 13 | 32 | 29622 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:13 | | | | | | 15 | 37 | | | |
| 395.7995 | 38:13 | | | | | | 13 | 32 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:34 | 38:36 | 1 | 1.033 | 597764 | 121458 | 15 | 37 | 8097 | | |
| 395.7995 | 38:34 | 38:36 | 1 | 1.033 | 567029 | 113566 | 13 | 32 | 8736 | 1.05(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:02 | | | | | | 15 | 37 | | | |
| 395.7995 | 39:02 | | | | | | 13 | 32 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:26 | 40:26 | 3 | 1.083 | 723775 | 140663 | 15 | 37 | 9378 | | |
| 395.7995 | 40:25 | 40:26 | 2 | 1.083 | 687485 | 134293 | 13 | 32 | 10330 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:03 | 41:04 | 2 | 1.100 | 145834 | 27881 | 15 | 37 | 1859 | | |
| 395.7995 | 41:03 | 41:04 | 2 | 1.100 | 133607 | 27735 | 13 | 32 | 2133 | 1.09(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:20 | 41:20 | 3 | 1.107 | 4527950 | 902178 | 15 | 37 | 60145 | | |
| 395.7995 | 41:20 | 41:20 | 3 | 1.107 | 4315098 | 866061 | 13 | 32 | 66620 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:32 | 41:33 | 3 | 1.113 | 49383 | 6892 | 15 | 37 | 459 | | |
| 395.7995 | 41:32 | 41:33 | 3 | 1.113 | 42008 | 7470 | 13 | 32 | 575 | 1.18(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:57 | 41:57 | 3 | 1.124 | 2361927 | 404759 | 15 | 37 | 26984 | | |
| 395.7995 | 41:56 | 41:57 | 2 | 1.123 | 2258281 | 382872 | 13 | 32 | 29452 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:57 | 41:57 | 3 | 1.124 | 2361927 | 404759 | 15 | 37 | 26984 | | |
| 395.7995 | 41:56 | 41:57 | 2 | 1.123 | 2258281 | 382872 | 13 | 32 | 29452 | 1.05(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:10 | 42:11 | 2 | 1.130 | 3361161 | 658108 | 15 | 37 | 43874 | | |
| 395.7995 | 42:10 | 42:11 | 2 | 1.130 | 3199579 | 628761 | 13 | 32 | 48366 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:37 | 42:38 | 2 | 1.142 | 2020976 | 399746 | 15 | 37 | 26650 | | |
| 395.7995 | 42:37 | 42:38 | 2 | 1.142 | 1908924 | 374420 | 13 | 32 | 28802 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:00 | 43:02 | 2 | 1.152 | 33945 | 6021 | 15 | 37 | 401 | | |
| 395.7995 | 43:00 | 43:02 | 2 | 1.152 | 34061 | 6110 | 13 | 32 | 470 | 1.00(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:15 | 3 | 1.158 | 967634 | 184049 | 15 | 37 | 12270 | | |
| 395.7995 | 43:14 | 43:15 | 3 | 1.158 | 915234 | 171601 | 13 | 32 | 13200 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:15 | 3 | 1.158 | 967634 | 184049 | 15 | 37 | 12270 | | |
| 395.7995 | 43:14 | 43:15 | 3 | 1.158 | 915234 | 171601 | 13 | 32 | 13200 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:52 | 44:54 | 2 | 0.900 | 510986 | 99472 | 15 | 37 | 6631 | | |
| 395.7995 | 44:53 | 44:54 | 3 | 0.900 | 479177 | 93498 | 13 | 32 | 7192 | 1.07(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:09 | | | | | | 15 | 37 | | | |
| 395.7995 | 45:09 | | | | | | 13 | 32 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:31 | 45:30 | 5 | 0.913 | 7568505 | 1408246 | 15 | 37 | 93883 | | |
| 395.7995 | 45:31 | 45:30 | 5 | 0.913 | 7158524 | 1326925 | 13 | 32 | 102071 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:31 | 45:30 | 5 | 0.913 | 7568505 | 1408246 | 15 | 37 | 93883 | | |
| 395.7995 | 45:31 | 45:30 | 5 | 0.913 | 7158524 | 1326925 | 13 | 32 | 102071 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:52 | 45:55 | 2 | 0.920 | 168547 | 30370 | 15 | 37 | 2025 | | |
| 395.7995 | 45:52 | 45:55 | 2 | 0.920 | 163824 | 30170 | 13 | 32 | 2321 | 1.03(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:46 | 46:49 | 2 | 0.938 | 2790574 | 550213 | 15 | 37 | 36681 | | |
| 395.7995 | 46:46 | 46:49 | 2 | 0.938 | 2617036 | 518139 | 13 | 32 | 39857 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:18 | 47:20 | 2 | 0.948 | 797773 | 151261 | 15 | 37 | 10084 | | |
| 395.7995 | 47:18 | 47:20 | 2 | 0.948 | 755516 | 145981 | 13 | 32 | 11229 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:54 | 49:56 | 3 | 1.001 | 258102 | 51496 | 277 | 692 | 186 | | |
| 395.7995 | 49:54 | 49:56 | 3 | 1.001 | 240241 | 47619 | 402 | 1005 | 118 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:43 | 42:45 | 2 | 0.822 | 1684876 | 331315 | 113 | 282 | 2932 | | |
| 441.8008 | 42:43 | 42:45 | 2 | 0.822 | 1817916 | 360575 | 100 | 250 | 3606 | 0.93(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:59 | 51:57 | 3 | | 2269741 | 433420 | 1616 | 4040 | 268 | | |
| 441.8008 | 51:59 | 51:57 | 3 | | 2442473 | 475575 | 1087 | 2717 | 438 | 0.93(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:28 | 52:30 | 3 | 1.009 | 2325481 | 447280 | 1616 | 4040 | 277 | | |
| 441.8008 | 52:27 | 52:30 | 3 | 1.009 | 2545265 | 480919 | 1087 | 2717 | 442 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:45 | 42:46 | 2 | 1.001 | 348980 | 68797 | 19 | 47 | 3621 | | |
| 429.7606 | 42:45 | 42:46 | 2 | 1.001 | 377584 | 74454 | 21 | 52 | 3545 | 0.92(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:40 | 43:41 | 3 | 1.022 | 239168 | 48682 | 19 | 47 | 2562 | | |
| 429.7606 | 43:40 | 43:41 | 3 | 1.022 | 272067 | 54489 | 21 | 52 | 2595 | 0.88(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:20 | | | | | | 19 | 47 | | | |
| 429.7606 | 44:20 | | | | | | 21 | 52 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:34 | 44:35 | 3 | 1.043 | 61916 | 14842 | 19 | 47 | 781 | | |
| 429.7606 | 44:34 | 44:35 | 3 | 1.043 | 68094 | 15906 | 21 | 52 | 757 | 0.91(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:41 | 44:42 | 3 | 1.046 | 219457 | 42606 | 19 | 47 | 2242 | | |
| 429.7606 | 44:40 | 44:42 | 2 | 1.046 | 242926 | 44840 | 21 | 52 | 2135 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:29 | 47:30 | 4 | 1.112 | 1325310 | 249868 | 19 | 47 | 13151 | | |
| 429.7606 | 47:29 | 47:30 | 4 | 1.112 | 1470208 | 279950 | 21 | 52 | 13331 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:29 | 47:30 | 4 | 1.112 | 1325310 | 249868 | 19 | 47 | 13151 | | |
| 429.7606 | 47:29 | 47:30 | 4 | 1.112 | 1470208 | 279950 | 21 | 52 | 13331 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:09 | 48:10 | 3 | 0.918 | 626124 | 123585 | 19 | 47 | 6504 | | |
| 429.7606 | 48:09 | 48:10 | 3 | 0.918 | 686445 | 134186 | 21 | 52 | 6390 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:20 | 48:22 | 3 | 0.921 | 859985 | 163252 | 19 | 47 | 8592 | | |
| 429.7606 | 48:20 | 48:22 | 3 | 0.921 | 955365 | 187345 | 21 | 52 | 8921 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:39 | 49:41 | 3 | 0.946 | 699517 | 136462 | 359 | 897 | 380 | | |
| 429.7606 | 49:39 | 49:41 | 3 | 0.946 | 789984 | 152553 | 497 | 1242 | 307 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:01 | 52:03 | 3 | 0.991 | 1903497 | 366079 | 359 | 897 | 1020 | | |
| 429.7606 | 52:01 | 52:03 | 3 | 0.991 | 2088105 | 402066 | 497 | 1242 | 809 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:29 | 52:31 | 3 | 1.000 | 124866 | 23116 | 359 | 897 | 64 | | |
| 429.7606 | 52:30 | 52:31 | 3 | 1.000 | 137705 | 25805 | 497 | 1242 | 52 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:24 | 49:27 | 2 | 0.950 | 1889727 | 362821 | 392 | 980 | 926 | | |
| 475.7619 | 49:24 | 49:27 | 2 | 0.950 | 2431964 | 458778 | 391 | 977 | 1173 | 0.78(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:14 | 54:15 | 3 | 1.043 | 1398520 | 266941 | 392 | 980 | 681 | | |
| 475.7619 | 54:14 | 54:15 | 3 | 1.043 | 1646546 | 318332 | 391 | 977 | 814 | 0.85(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:26 | 49:26 | 3 | 1.001 | 223271 | 43644 | 523 | 1307 | 83 | | |
| 463.7216 | 49:26 | 49:26 | 3 | 1.001 | 279057 | 56626 | 234 | 585 | 242 | 0.80(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:22 | 50:23 | 3 | 1.020 | 98856 | 19884 | 523 | 1307 | 38 | | |
| 463.7216 | 50:22 | 50:23 | 3 | 1.020 | 130086 | 25305 | 234 | 585 | 108 | 0.76(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:15 | 54:17 | 3 | 1.000 | 586588 | 110636 | 523 | 1307 | 212 | | |
| 463.7216 | 54:15 | 54:17 | 3 | 1.000 | 729748 | 137252 | 234 | 585 | 587 | 0.80(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:52 | 55:55 | 2 | 1.075 | 1294701 | 224677 | 94 | 235 | 2390 | | |
| 509.7229 | 55:52 | 55:55 | 2 | 1.075 | 1778327 | 318345 | 80 | 200 | 3979 | 0.73(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:54 | 55:56 | 2 | 1.000 | 367317 | 65604 | 25 | 62 | 2624 | | |
| 497.6826 | 55:54 | 55:56 | 2 | 1.000 | 519800 | 92876 | 29 | 72 | 3203 | 0.71(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

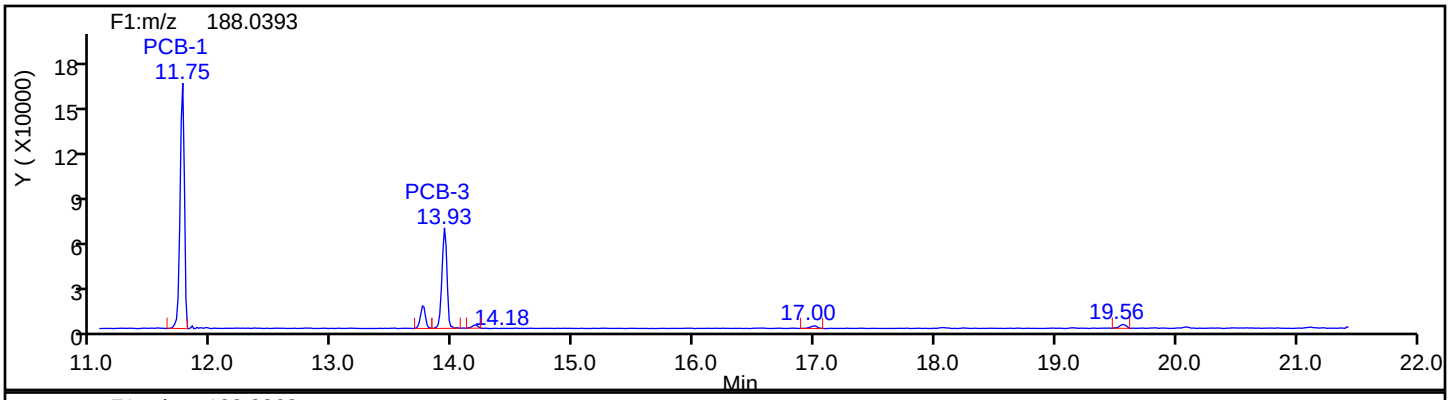
U - Marked Undetected

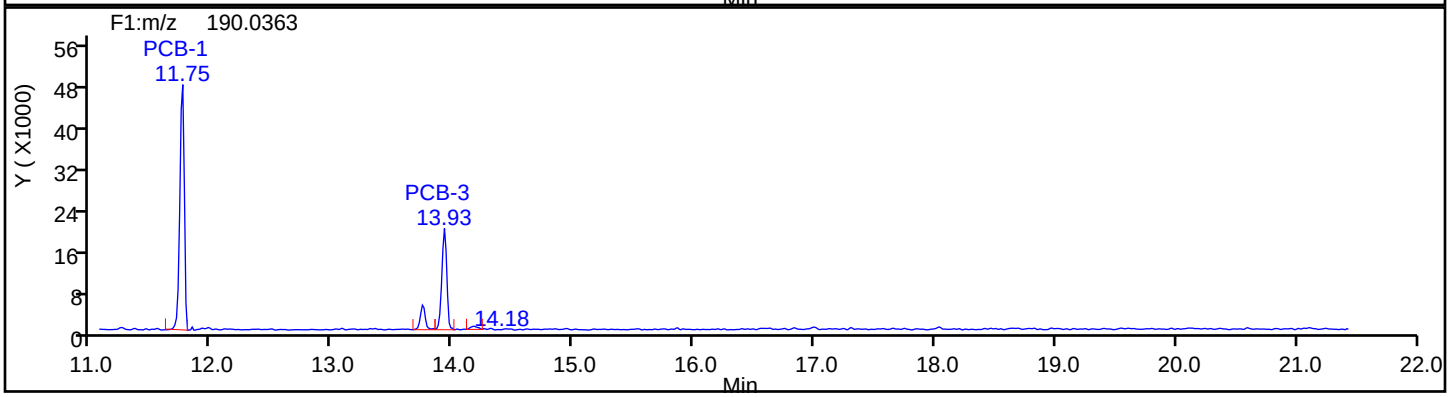
a - User Assigned ID

Eurofins TestAmerica, Knoxville

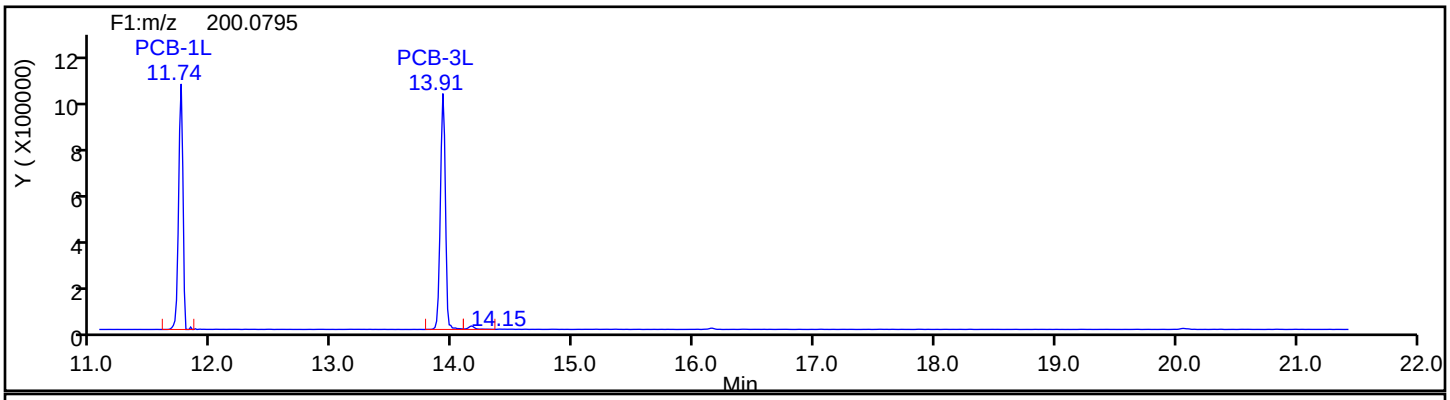
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

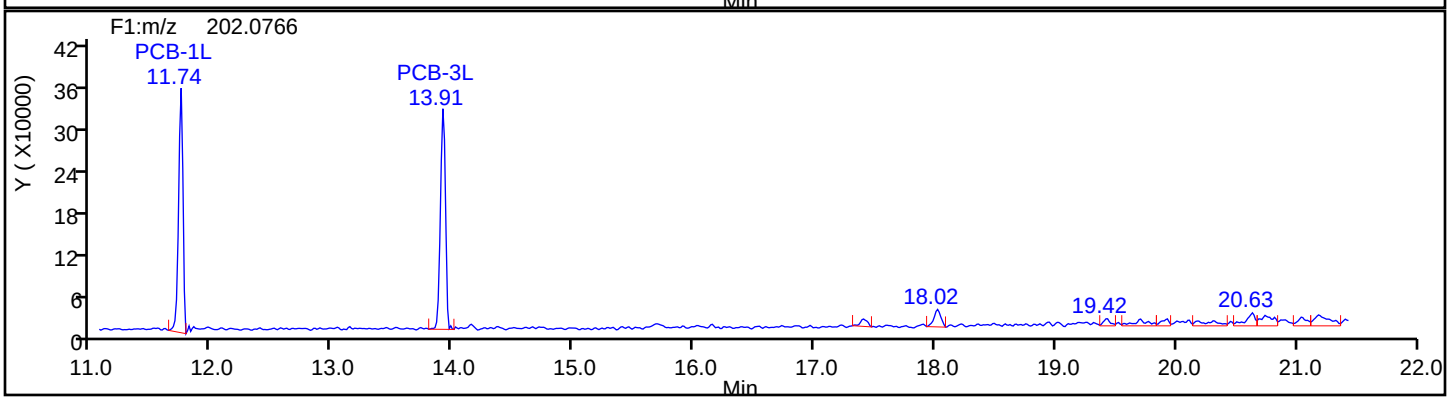
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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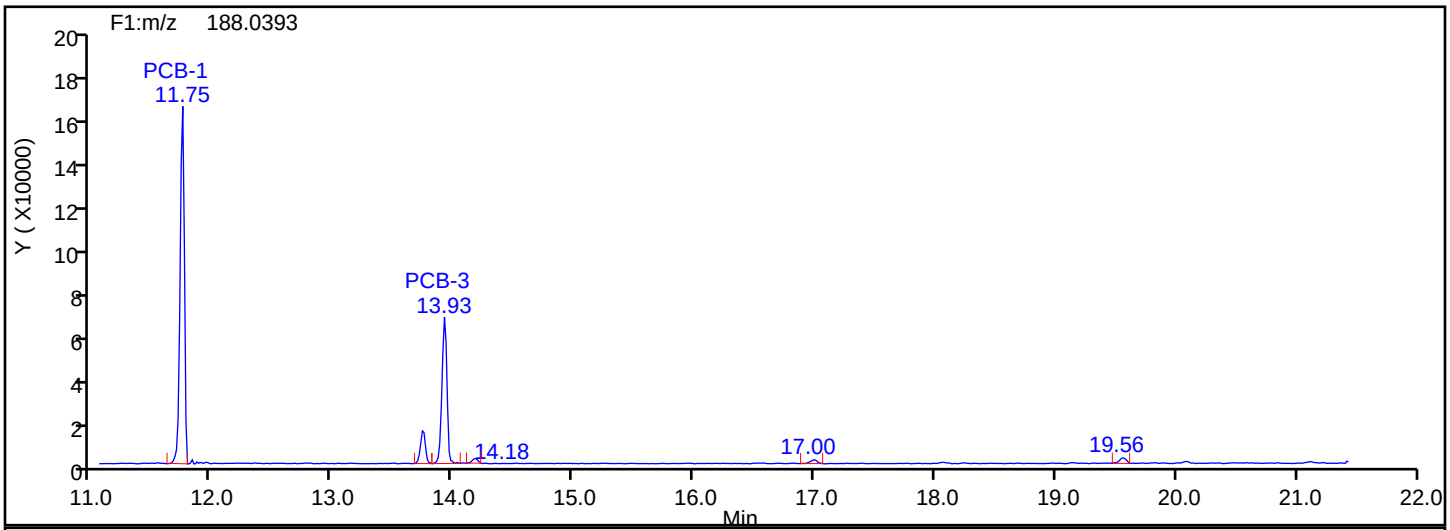
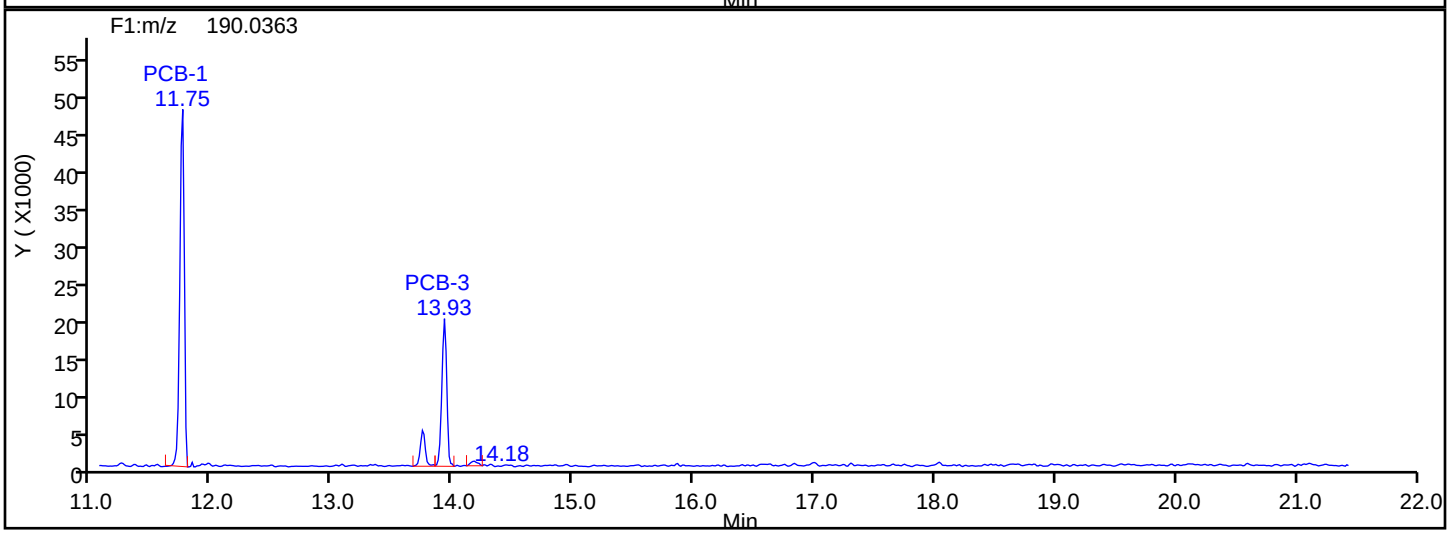
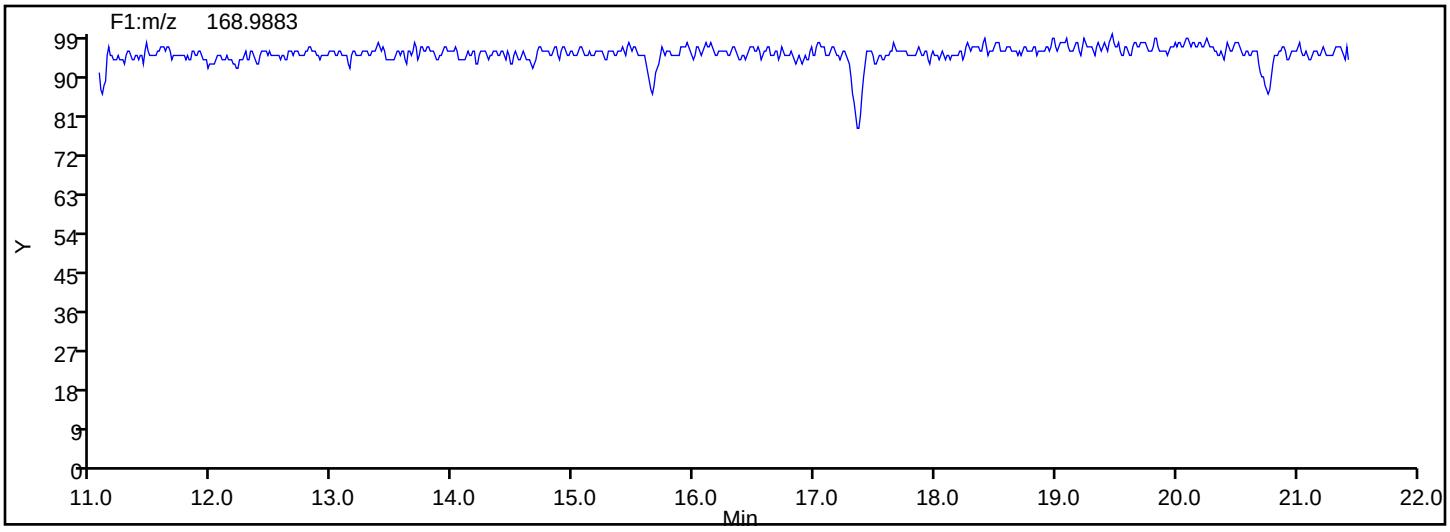
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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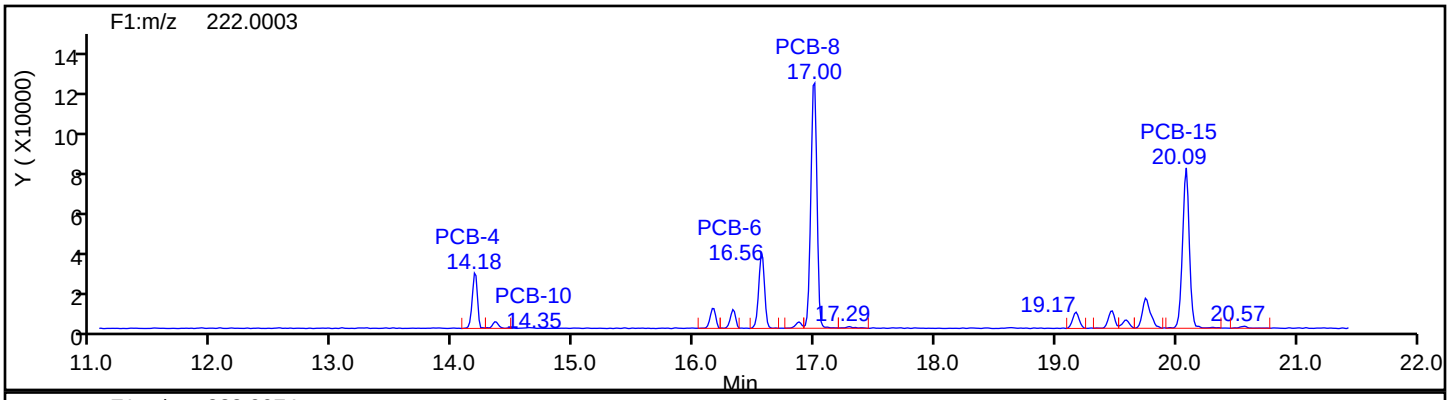
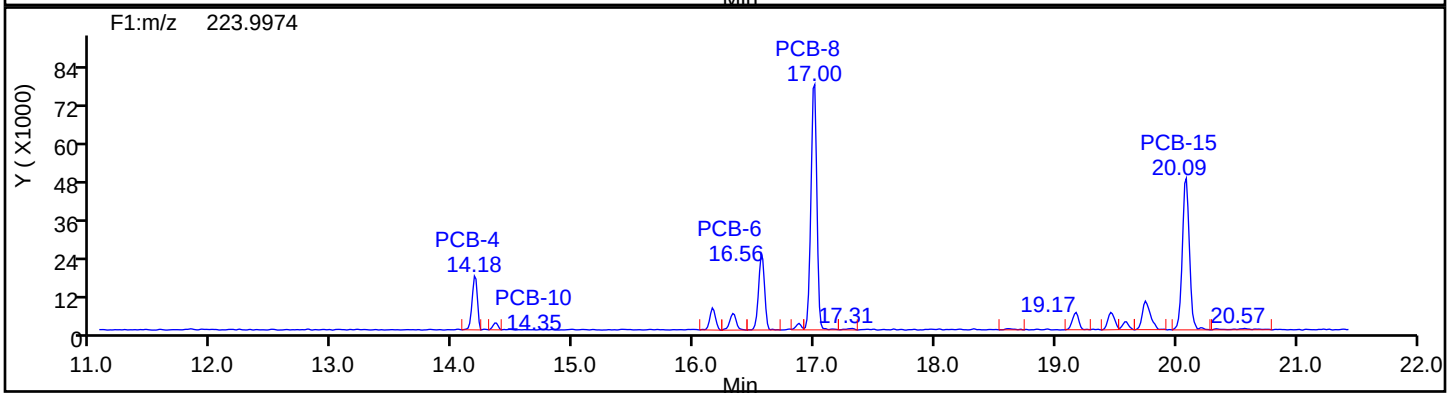
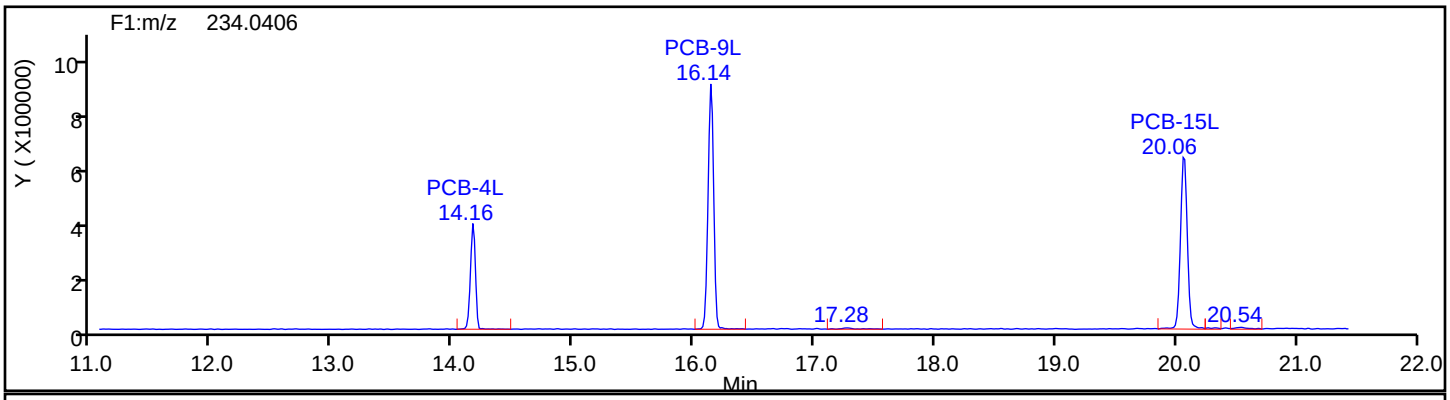
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

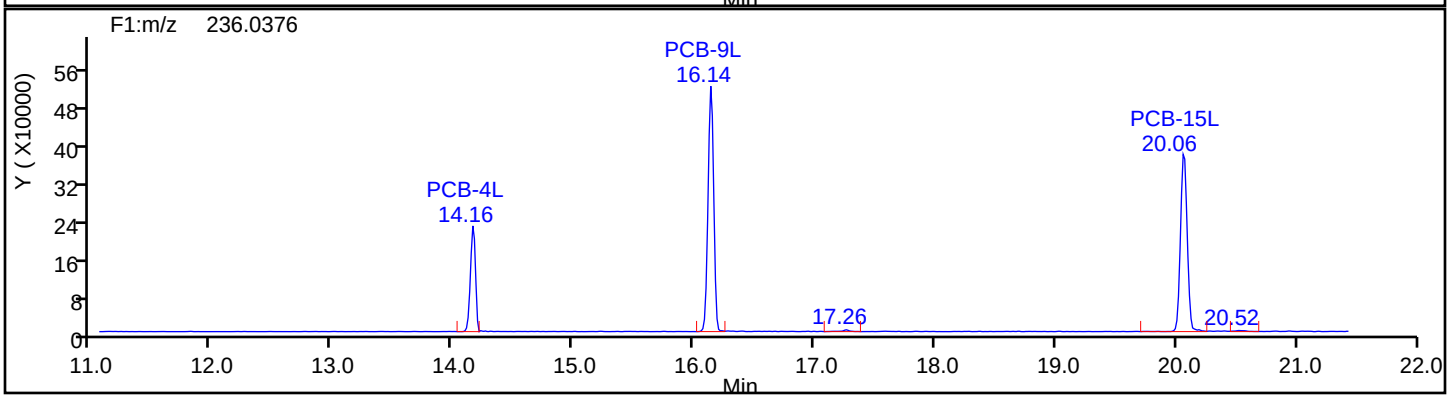
DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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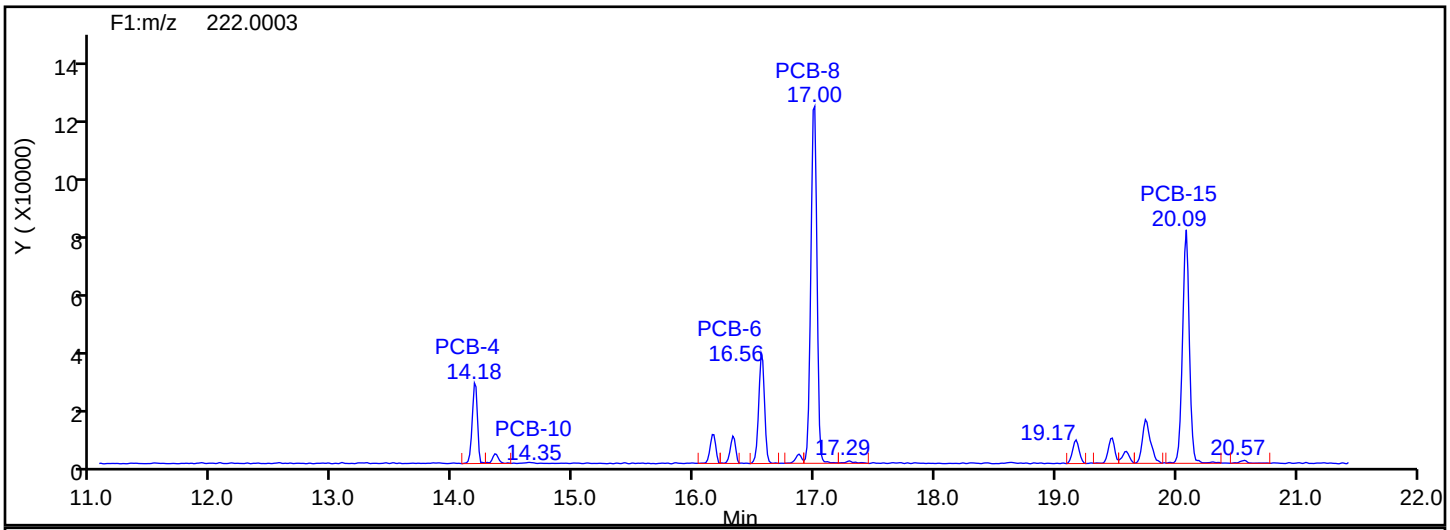
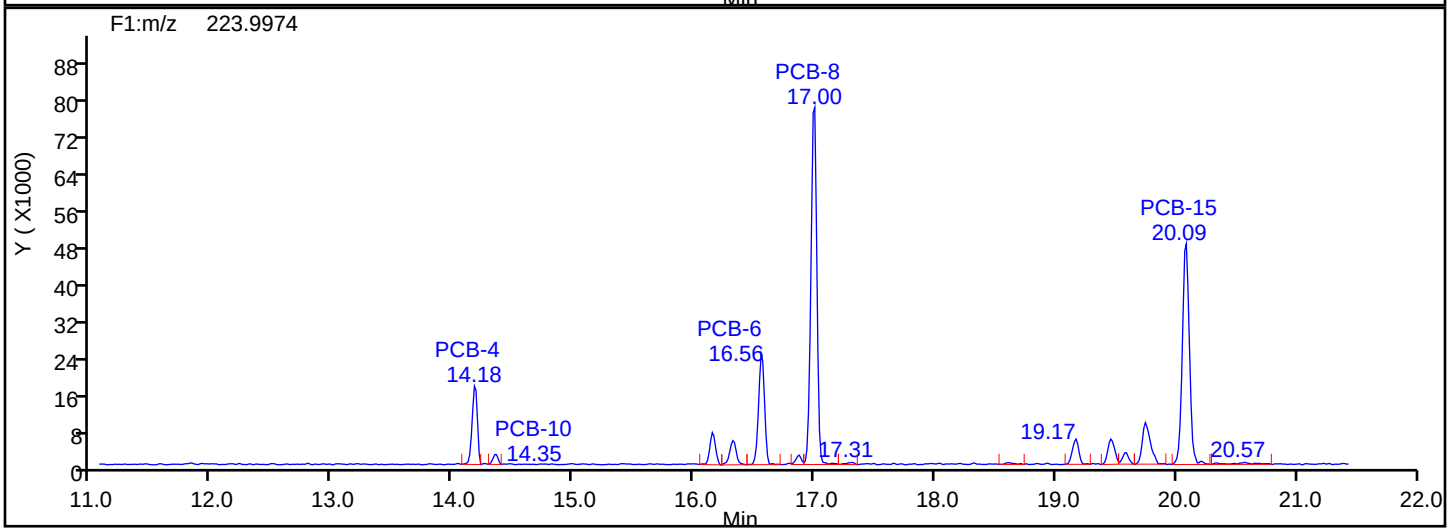
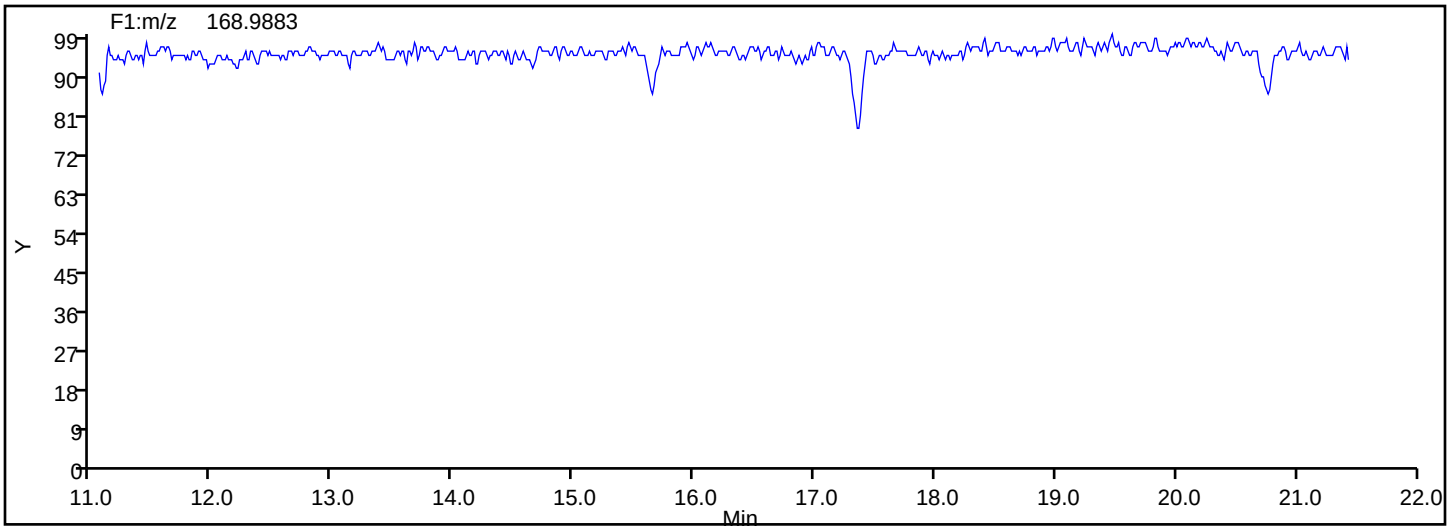
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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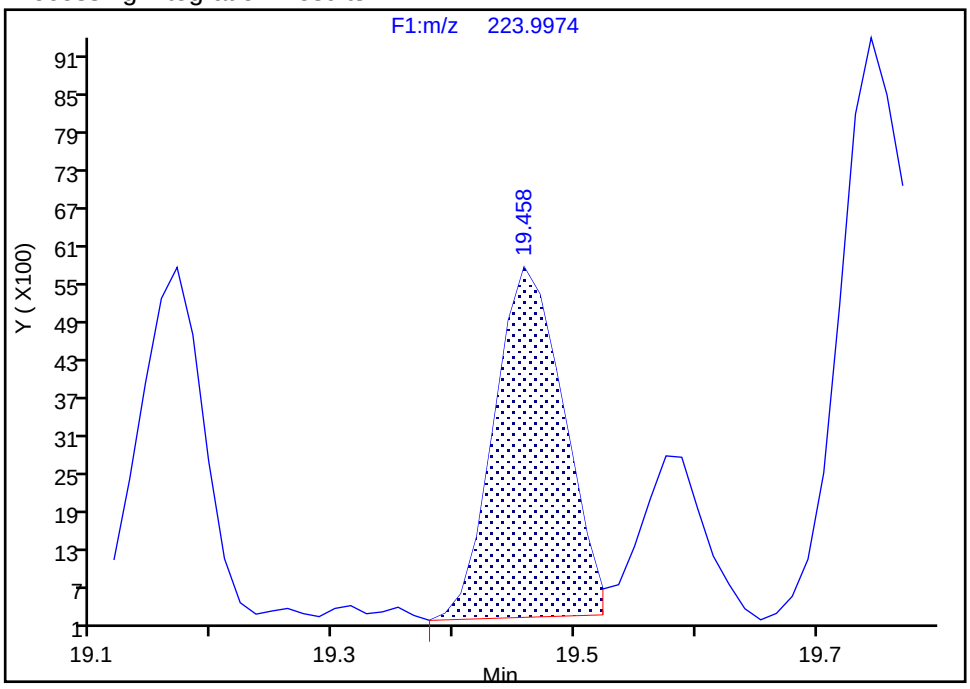
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

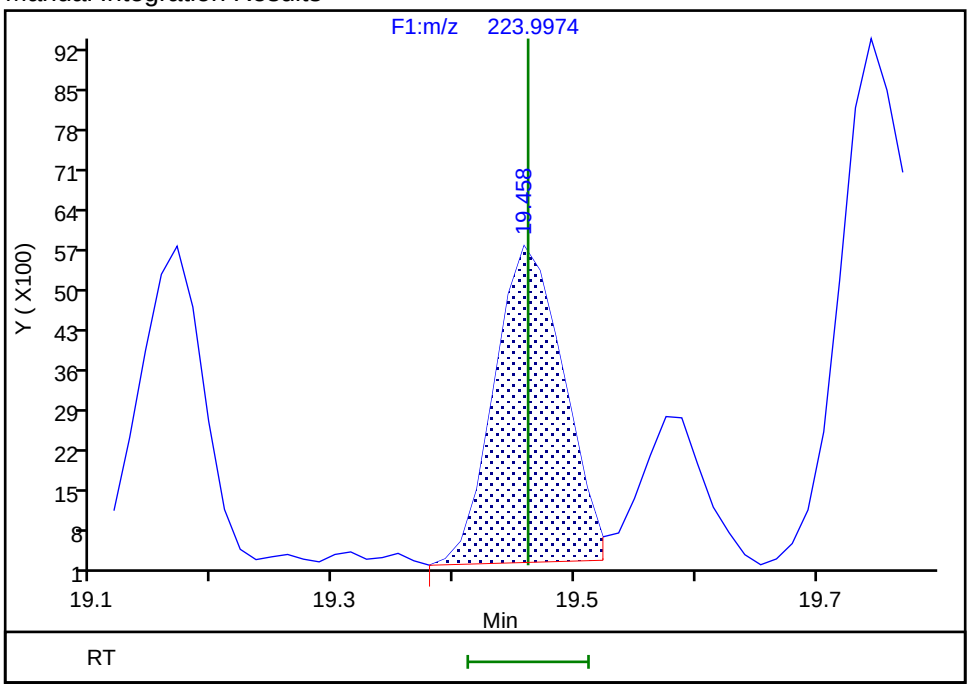
Processing Integration Results

RT: 19.46
Area: 21974
Amount: 1.578738
Amount Units: pg/ul




Manual Integration Results

RT: 19.46
Area: 21974
Amount: 1.199970
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:57:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

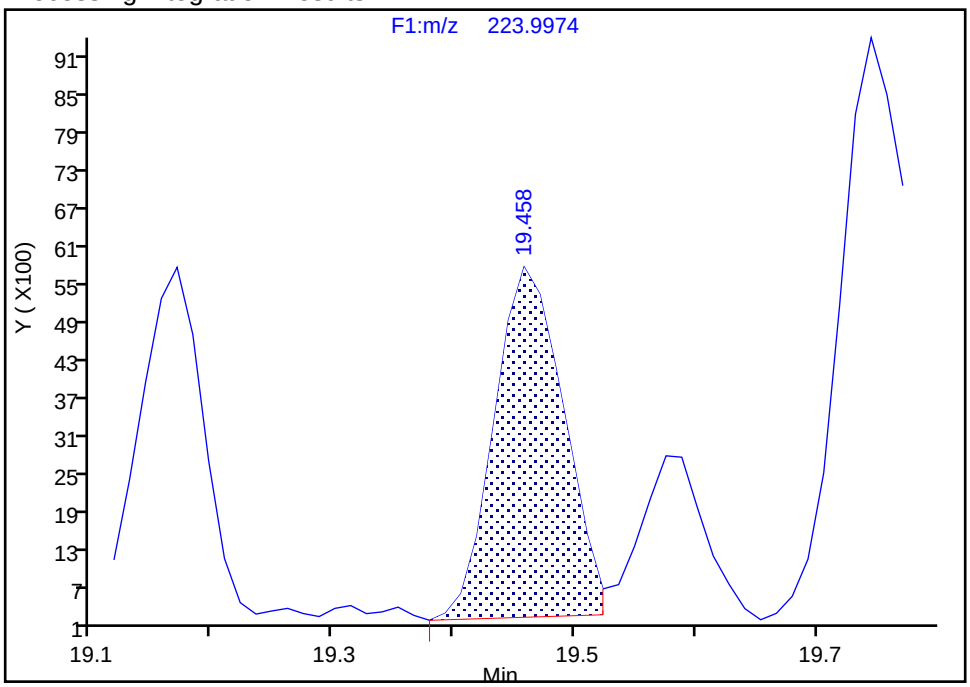
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 3

Processing Integration Results

RT: 19.47
Area: 72308
Amount: 1.578738
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 54960
Amount: 1.199970
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:57:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
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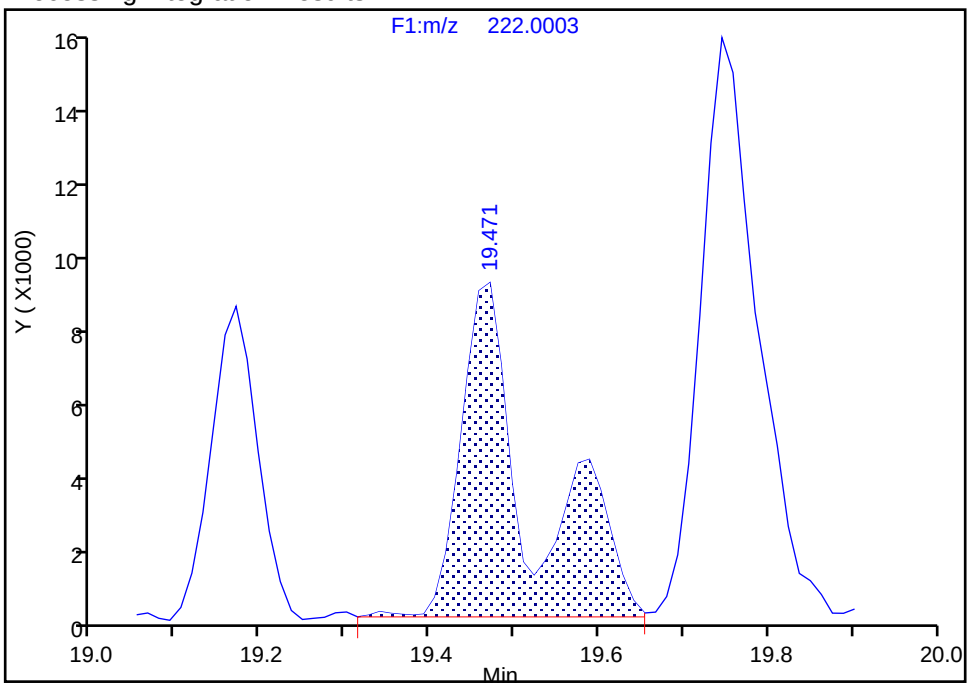
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

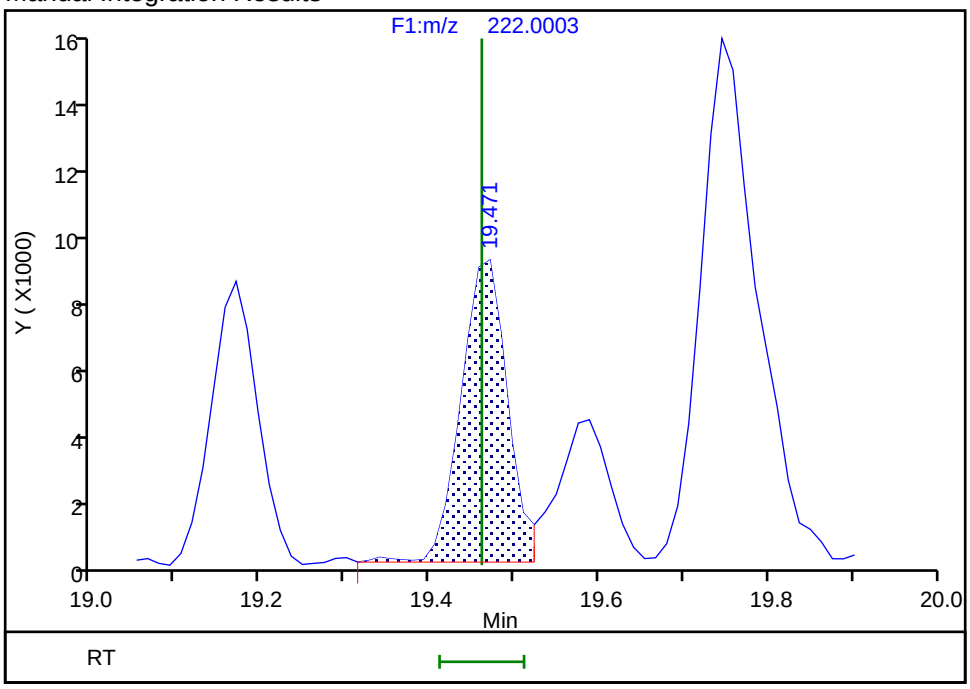
Processing Integration Results

RT: 19.47
Area: 50334
Amount: 1.578738
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 32986
Amount: 1.199970
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:57:27

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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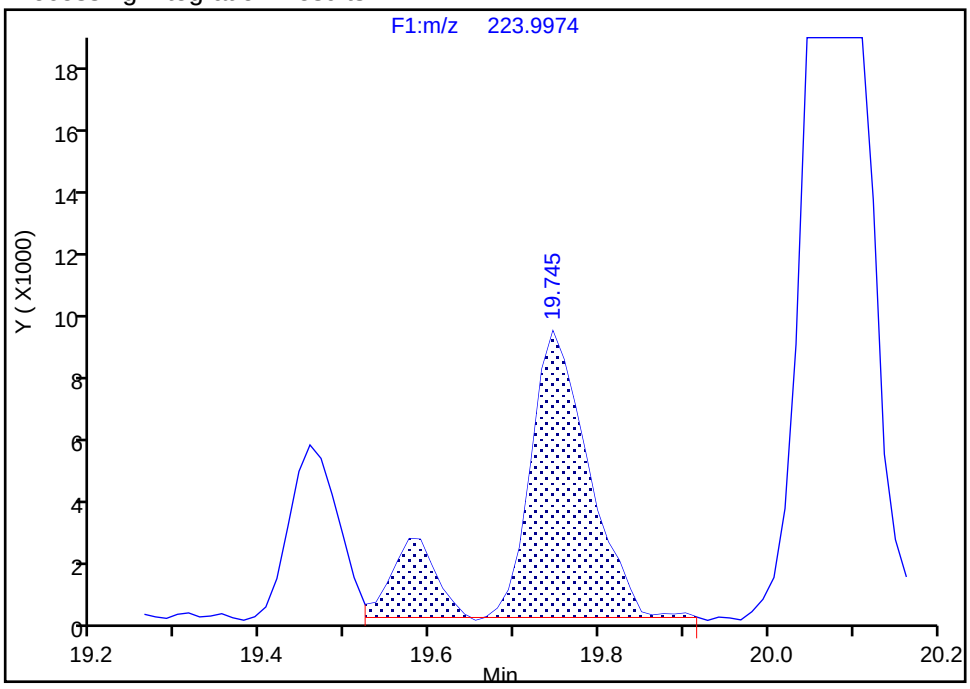
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 2

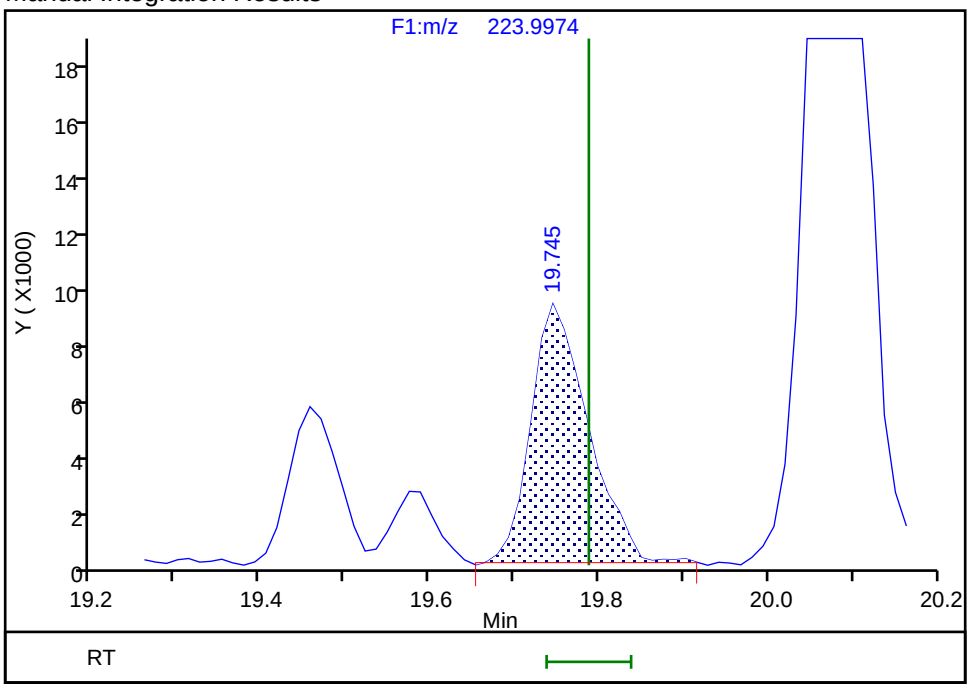
Processing Integration Results

RT: 19.75
Area: 51888
Amount: 2.674542
Amount Units: pg/ul




Manual Integration Results

RT: 19.75
Area: 42719
Amount: 2.475129
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:57:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

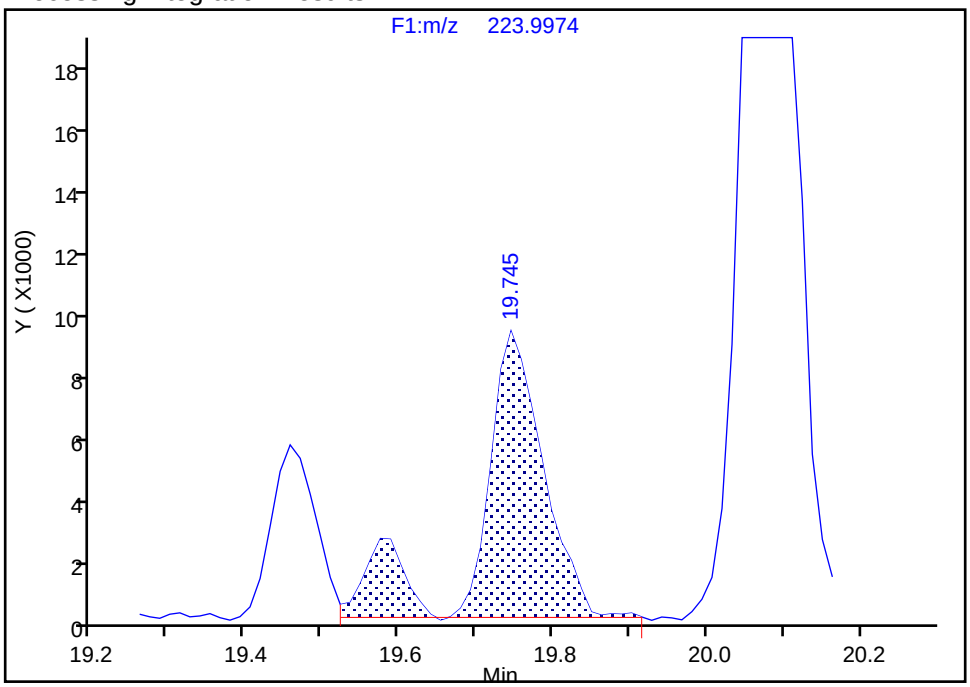
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 3

Processing Integration Results

RT: 19.75
Area: 122975
Amount: 2.674542
Amount Units: pg/ul




Manual Integration Results

RT: 19.75
Area: 113806
Amount: 2.475129
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:57:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

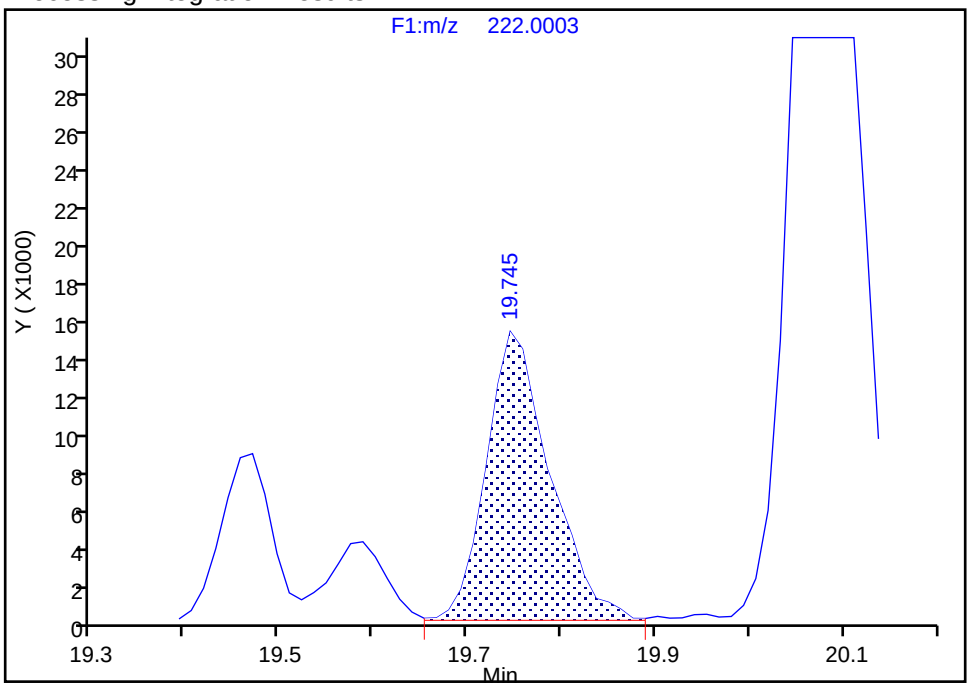
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

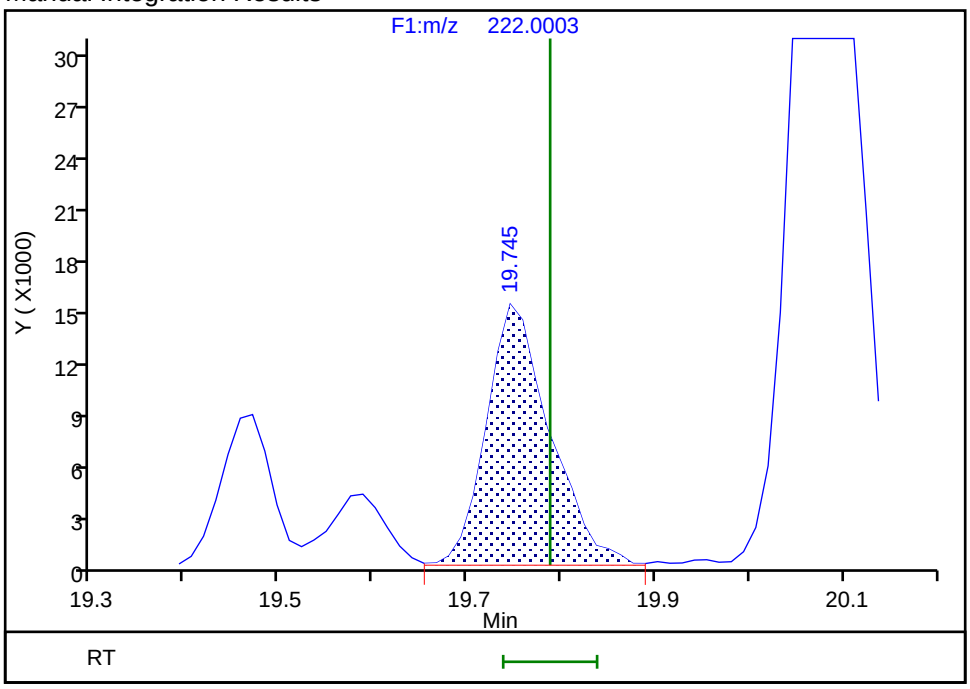
Processing Integration Results

RT: 19.75
Area: 71087
Amount: 2.674542
Amount Units: pg/ul




Manual Integration Results

RT: 19.75
Area: 71087
Amount: 2.475129
Amount Units: pg/ul



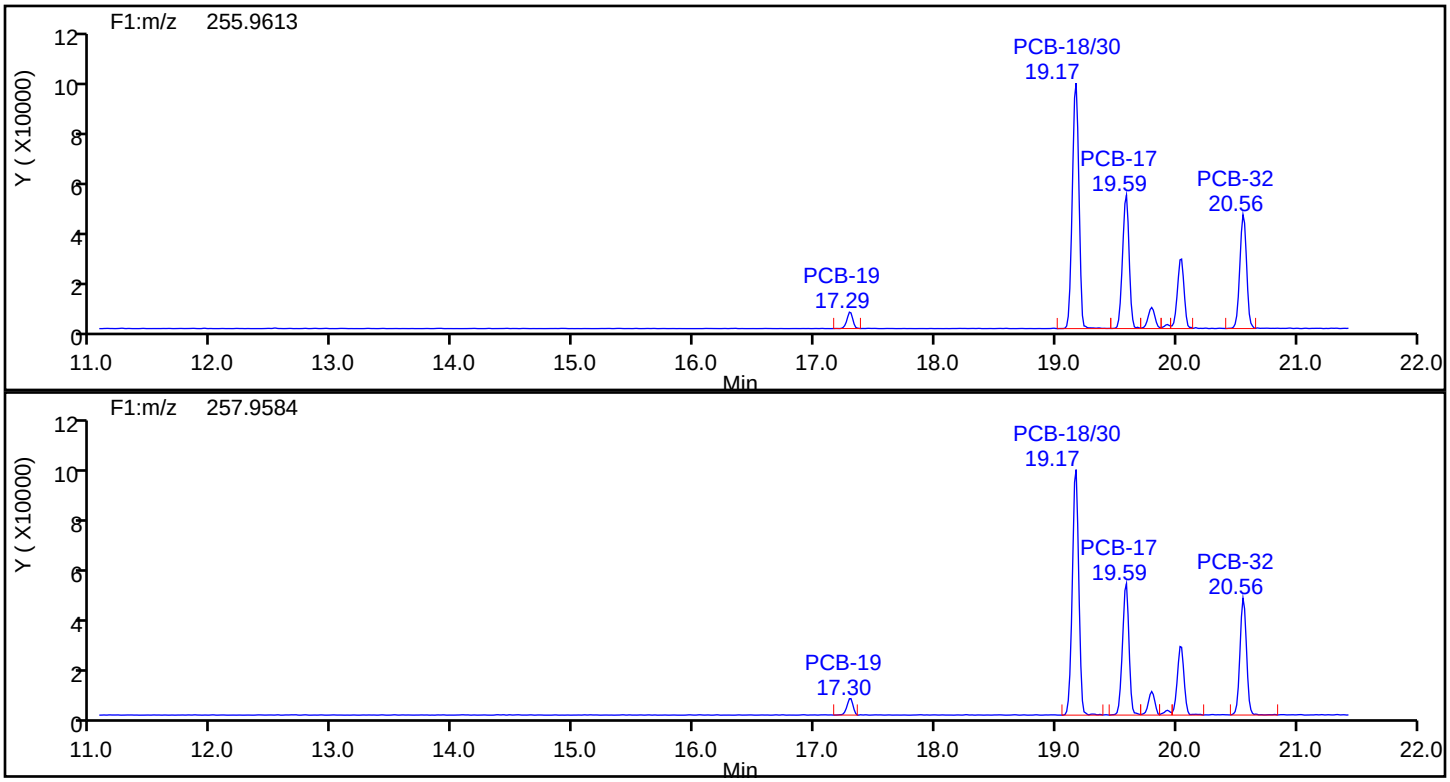

Reviewer: mcwhirterl, 09-Oct-2019 19:57:34

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

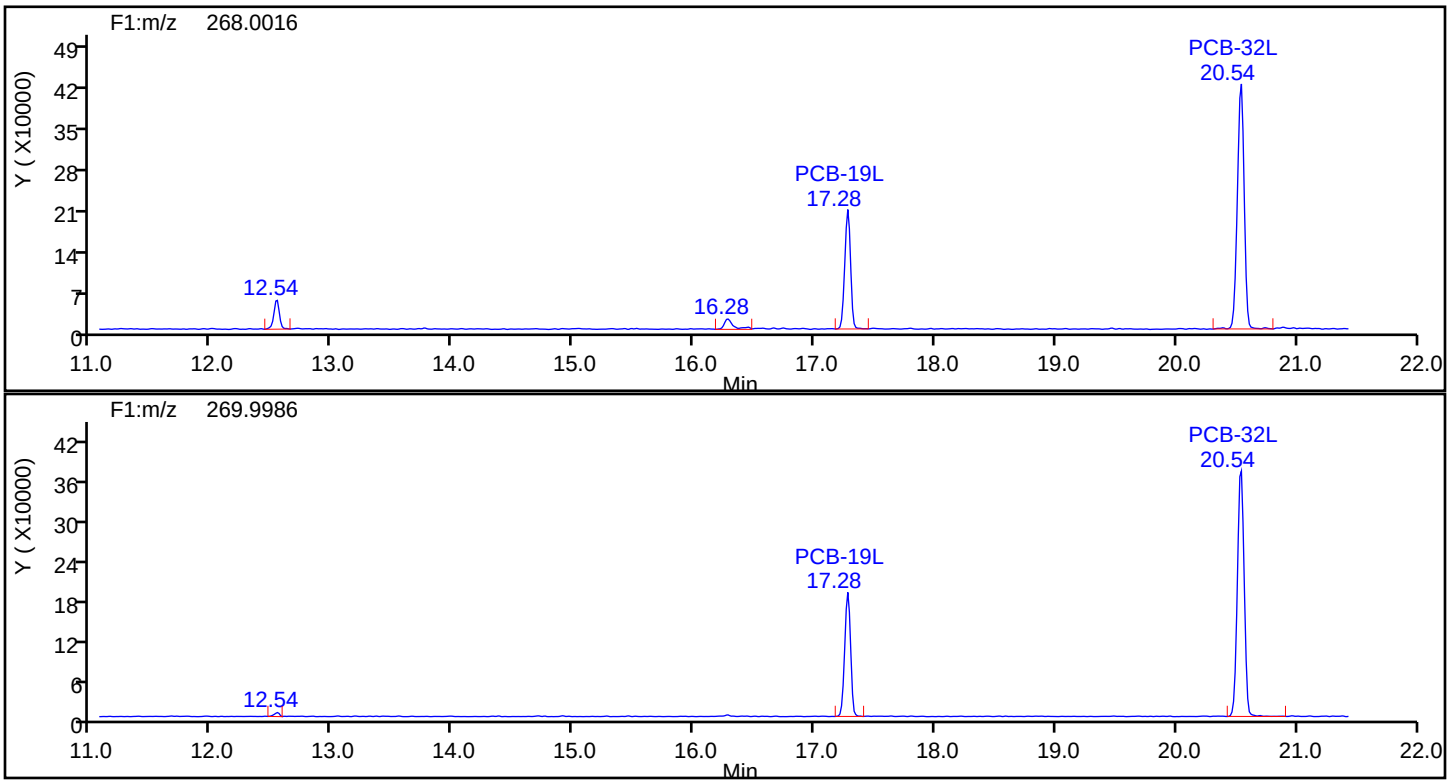
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



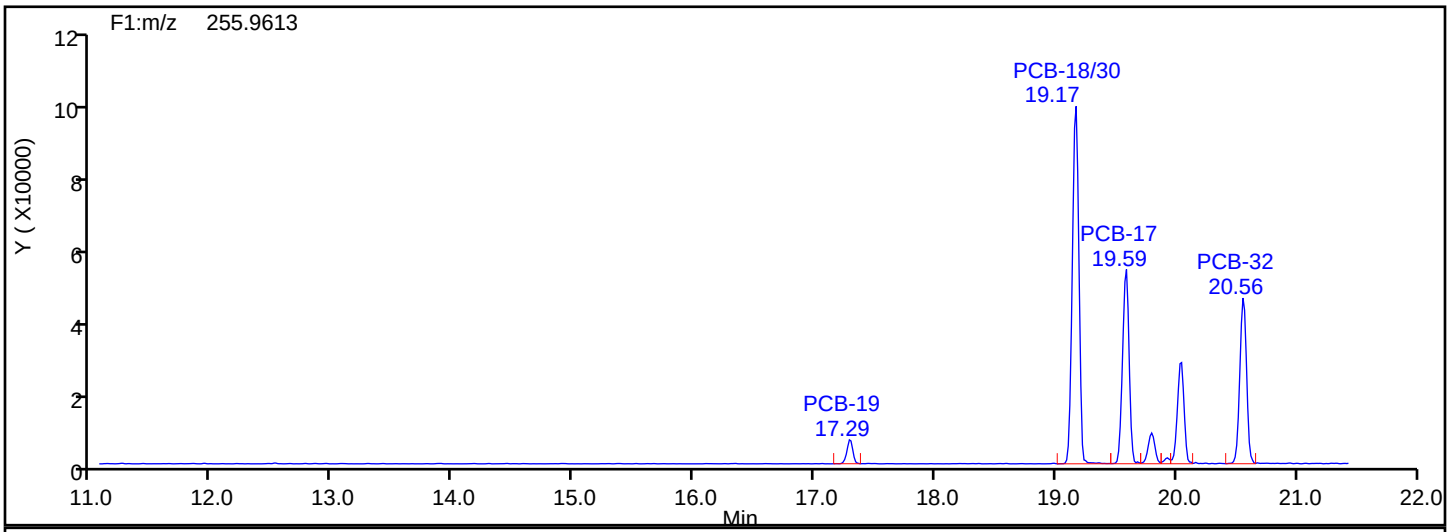

TriPCB F1 Standards

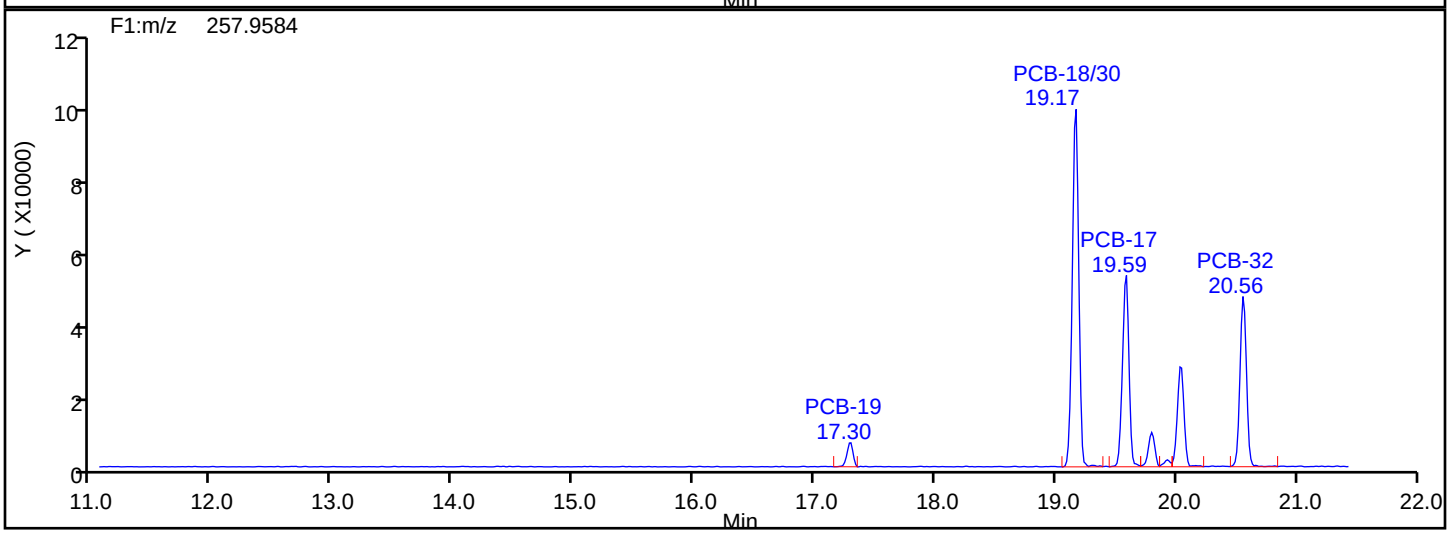


Eurofins TestAmerica, Knoxville

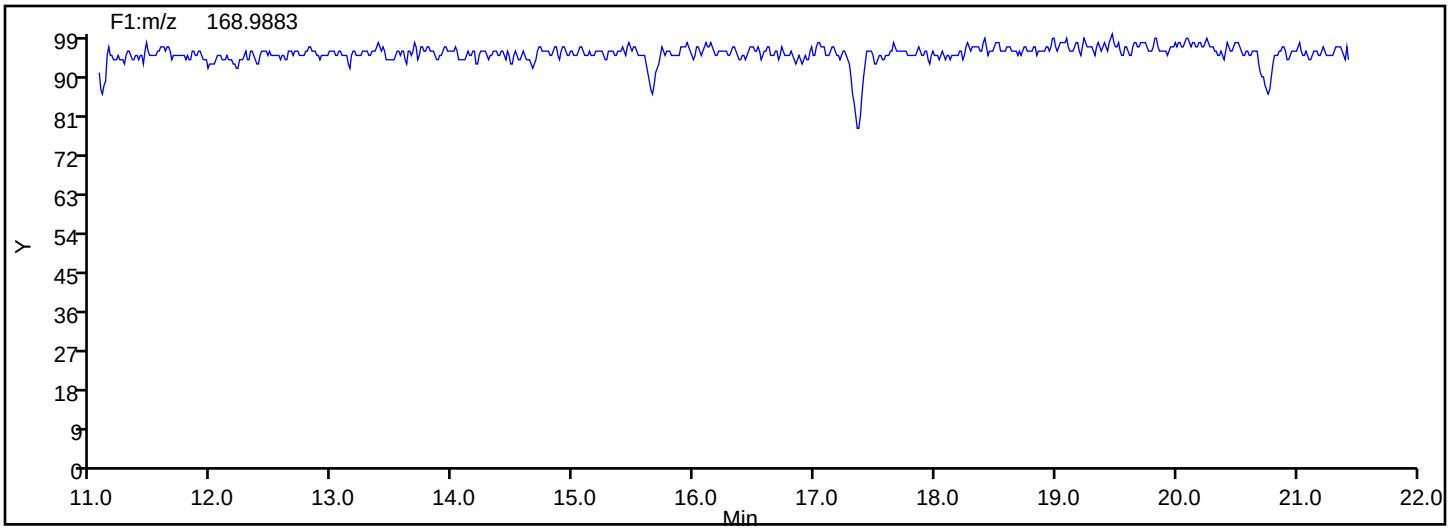
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



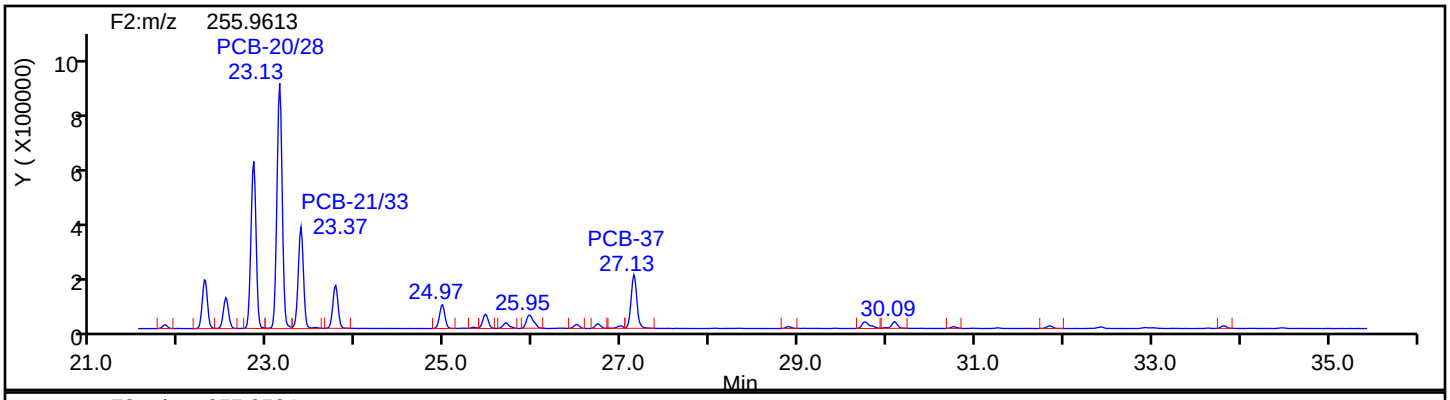

TriPCB F1 Lock Mass

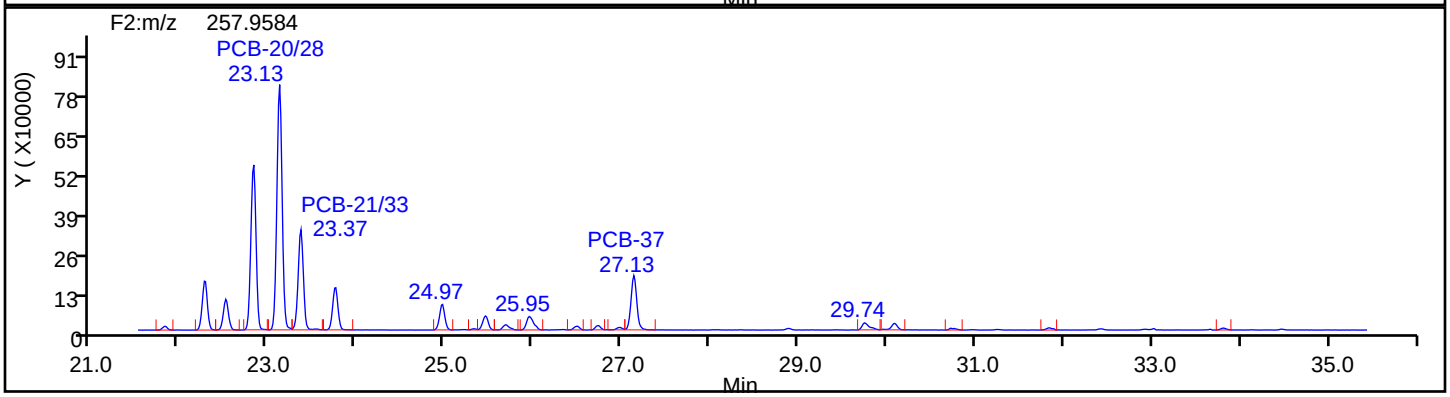


Eurofins TestAmerica, Knoxville

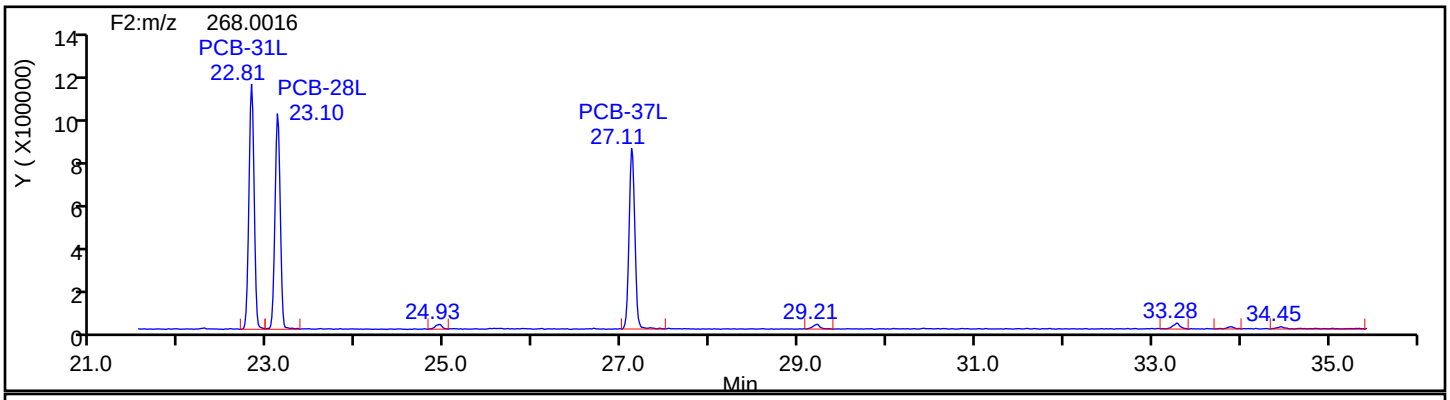
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

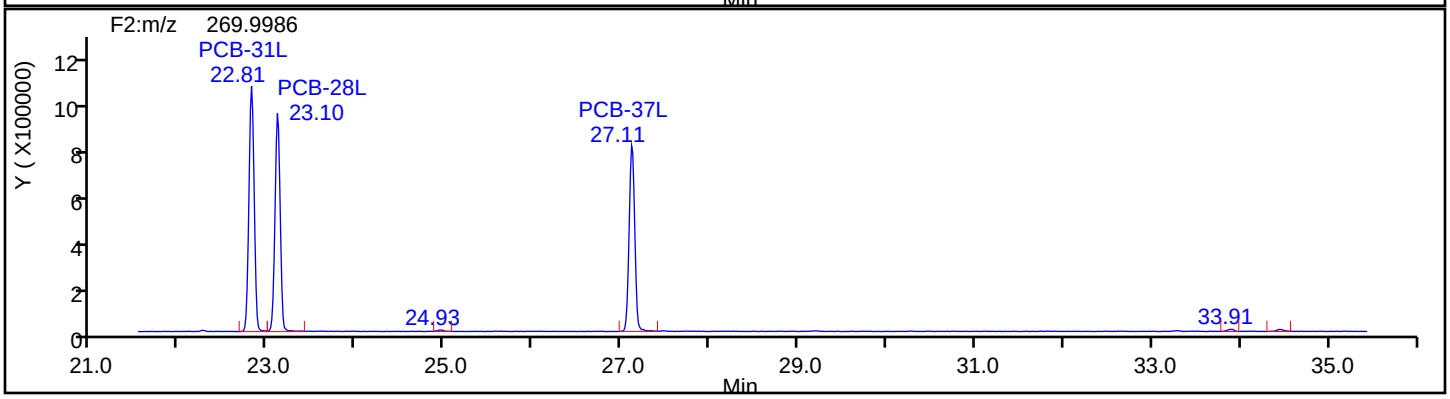
TriPCB F2




TriPCB F2 Standards

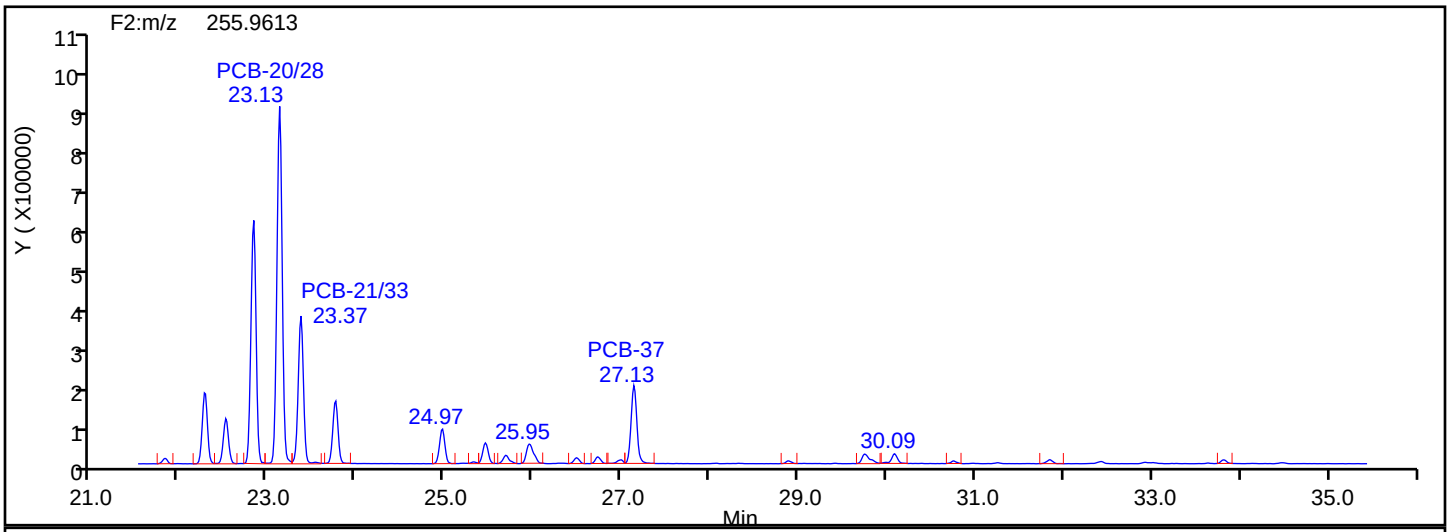


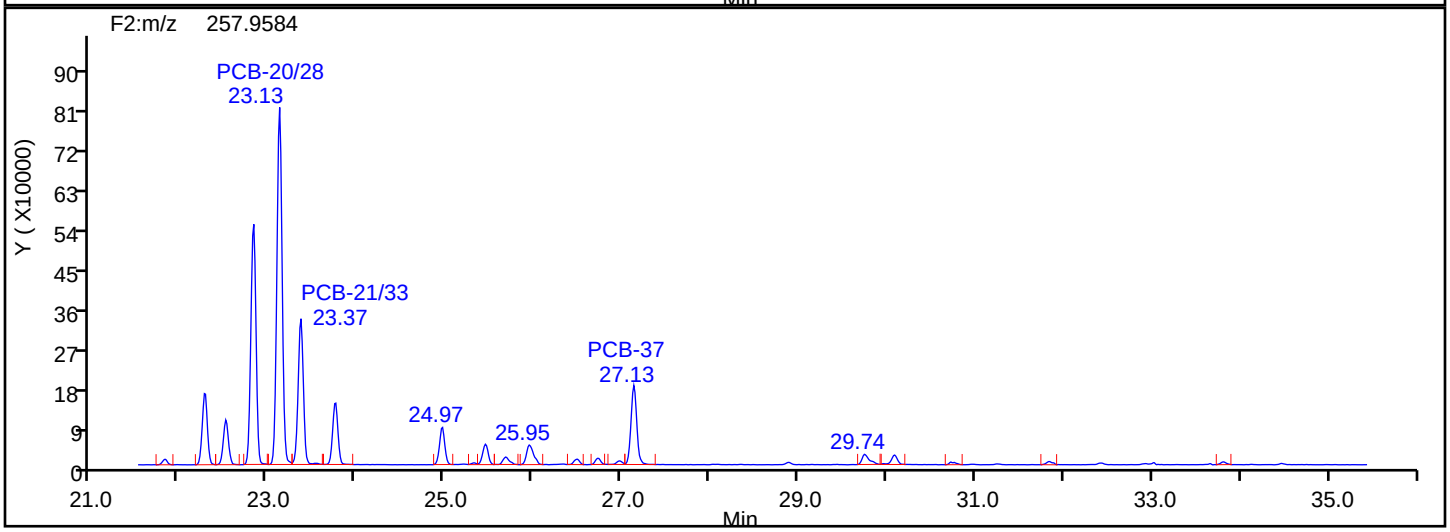



Eurofins TestAmerica, Knoxville

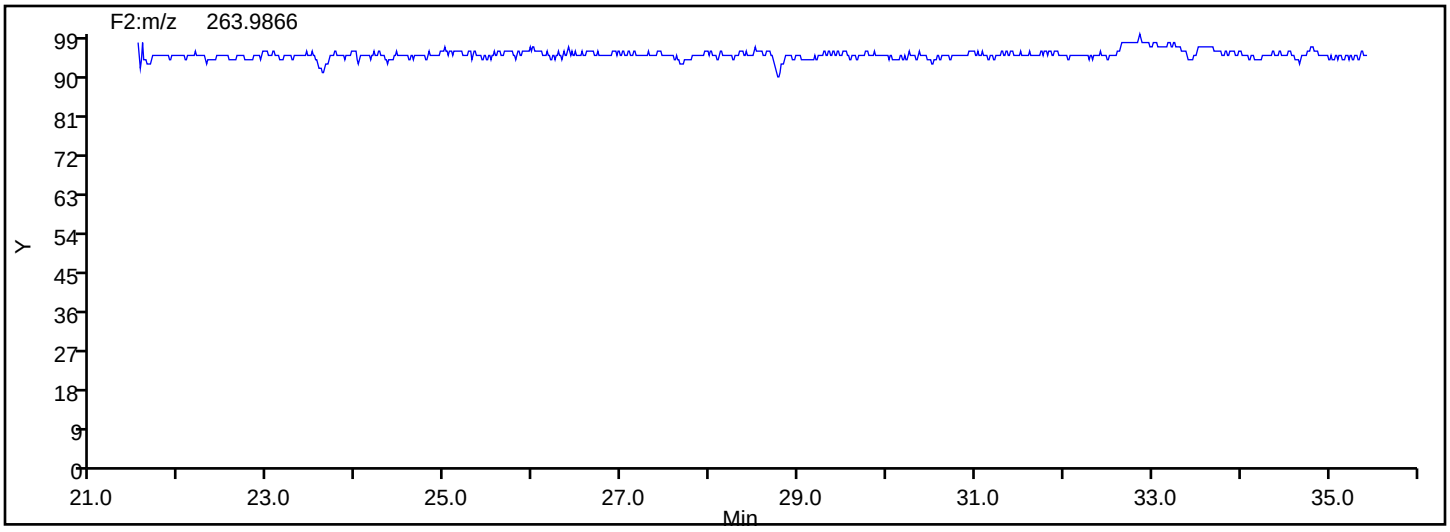
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

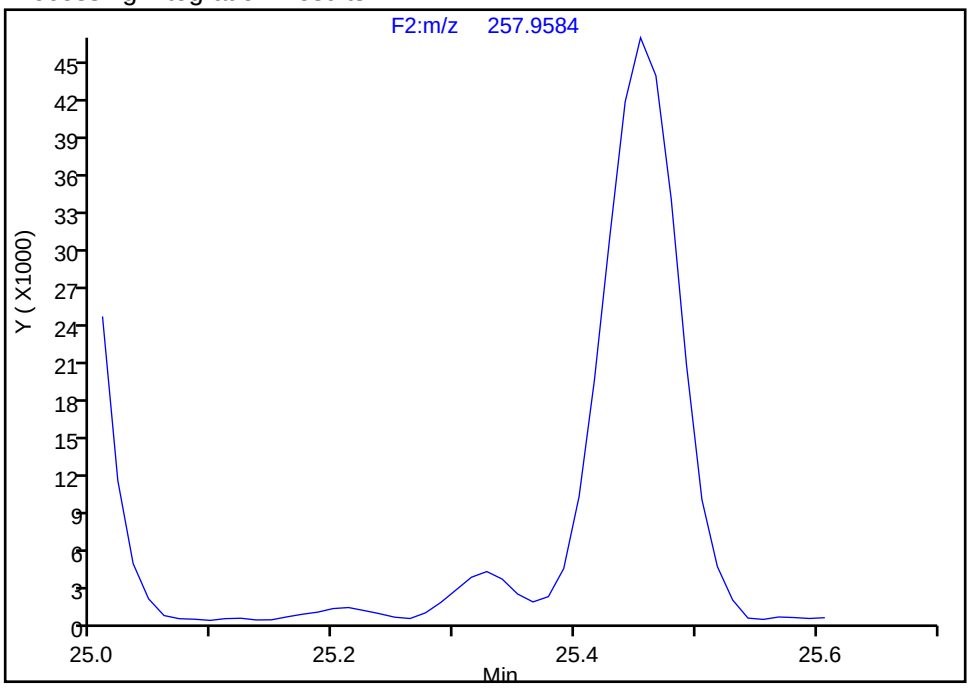
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

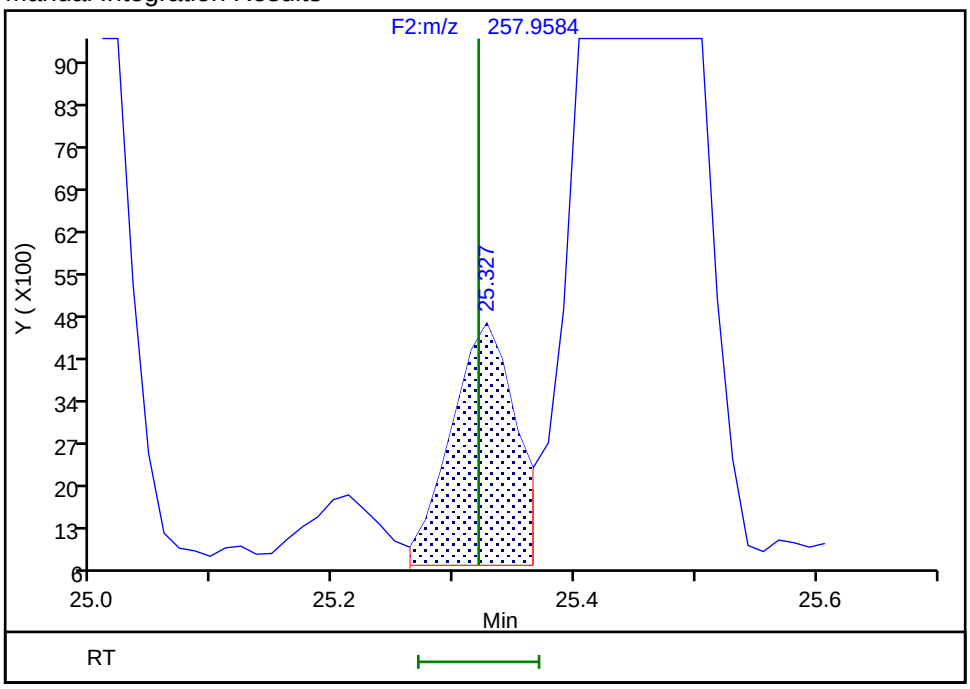
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.33
Area: 14516
Amount: 0.321445
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:58:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

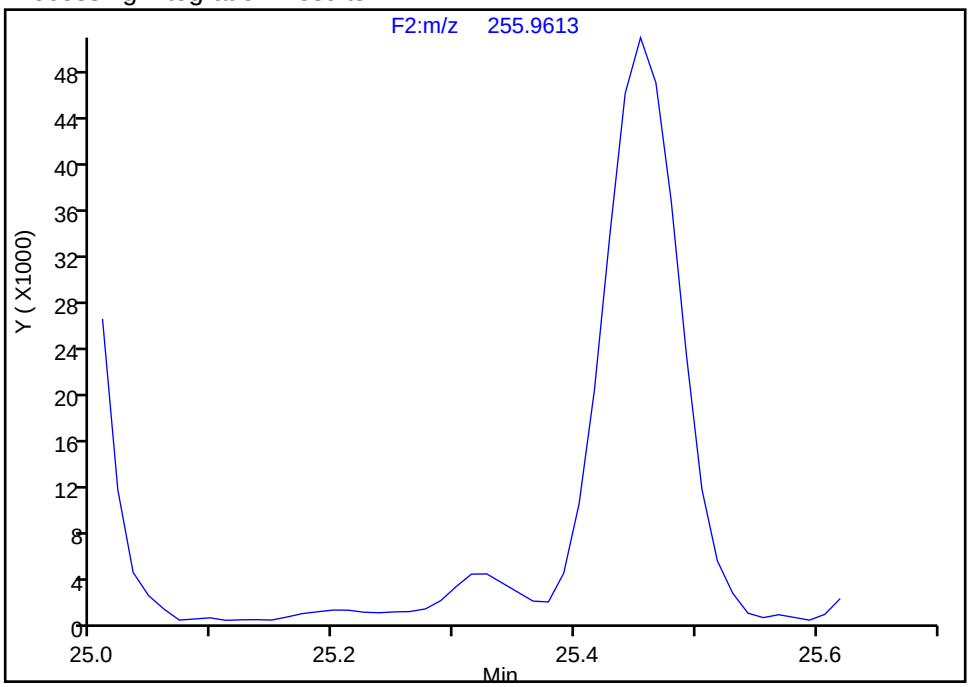
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

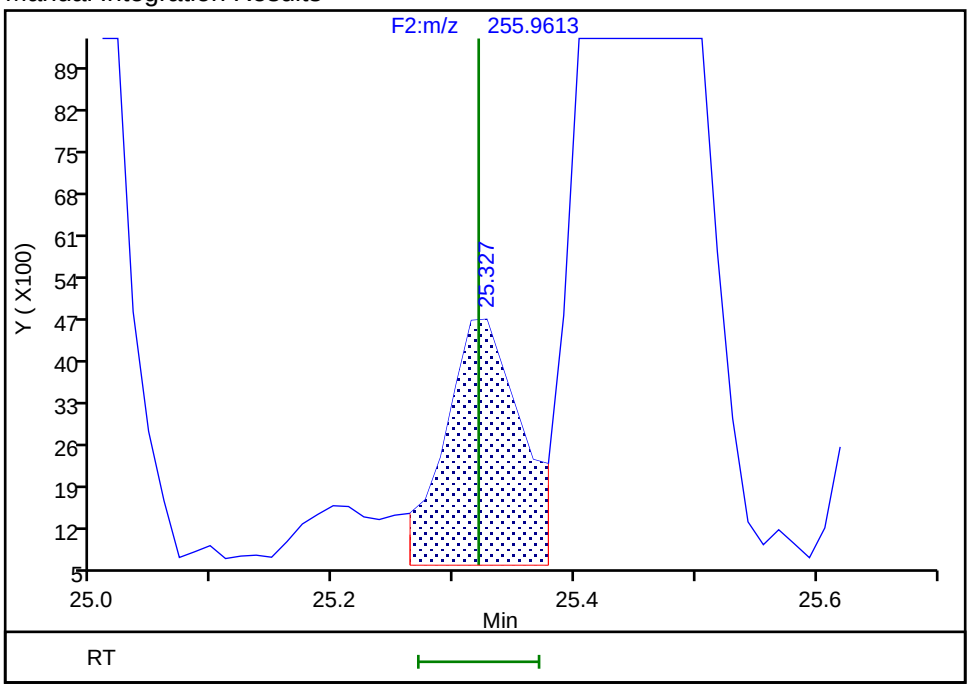
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.33
Area: 17456
Amount: 0.321445
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:58:04
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

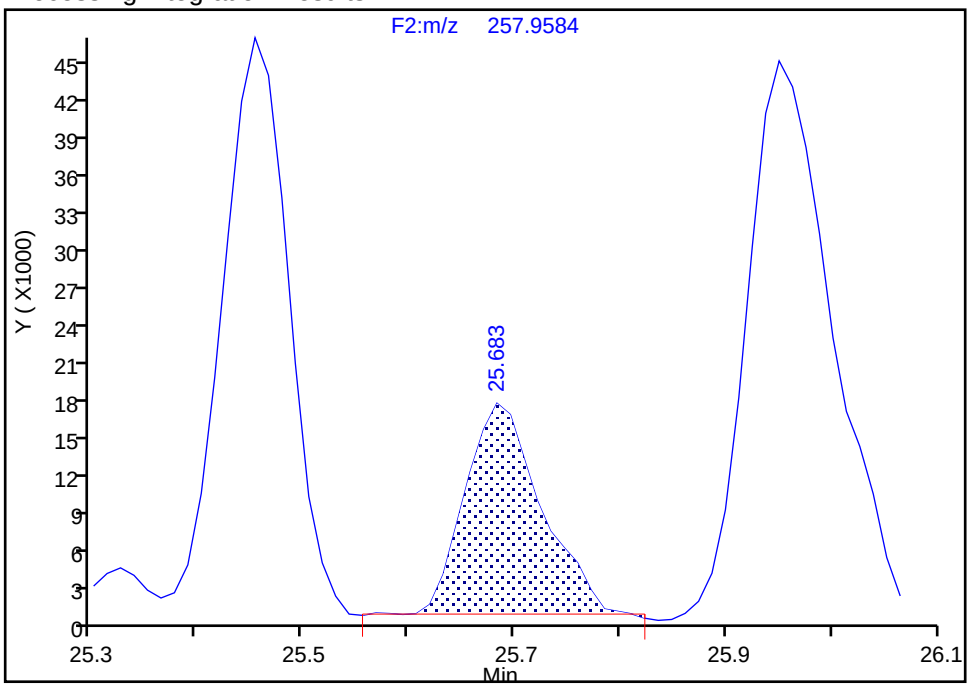
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 2

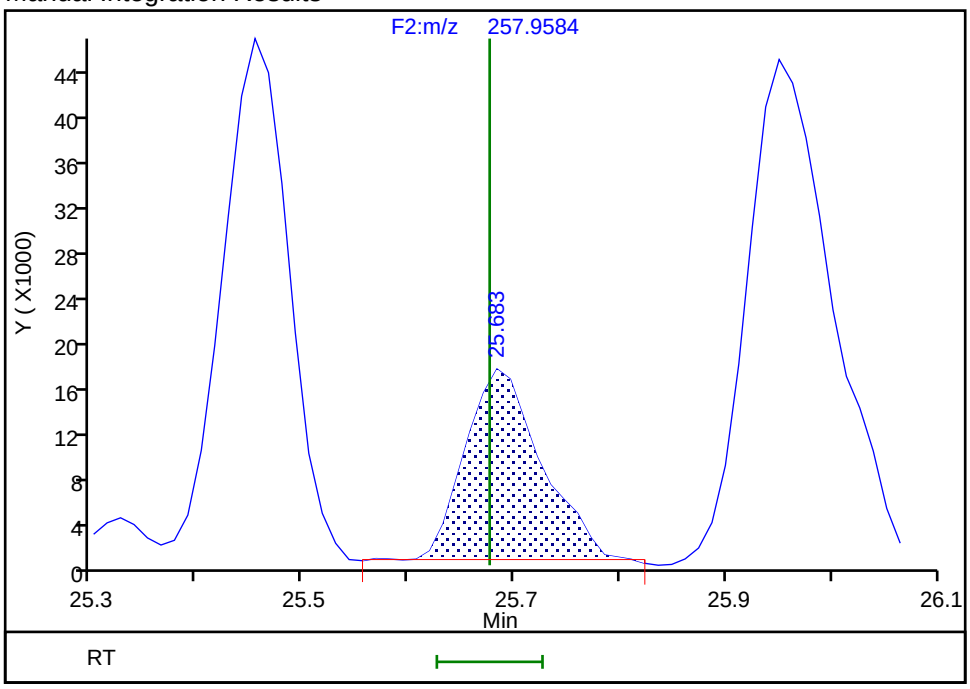
Processing Integration Results

RT: 25.68
Area: 83620
Amount: 1.198291
Amount Units: pg/ul




Manual Integration Results

RT: 25.68
Area: 83620
Amount: 1.753728
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:58:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

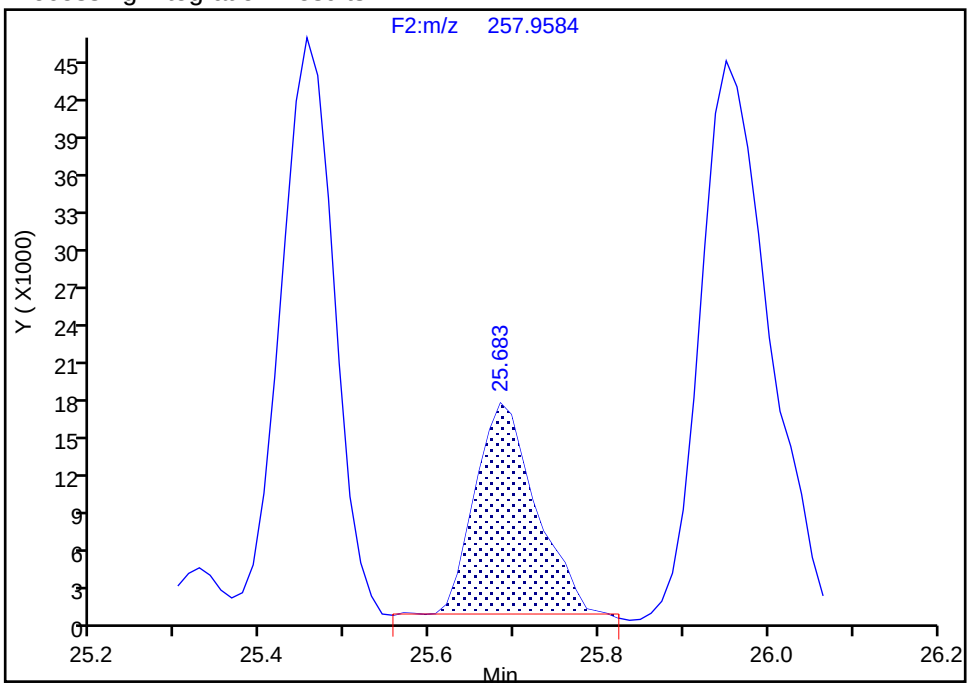
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 3

Processing Integration Results

RT: 25.68
Area: 123627
Amount: 1.198291
Amount Units: pg/ul




Manual Integration Results

RT: 25.68
Area: 180931
Amount: 1.753728
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:58:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

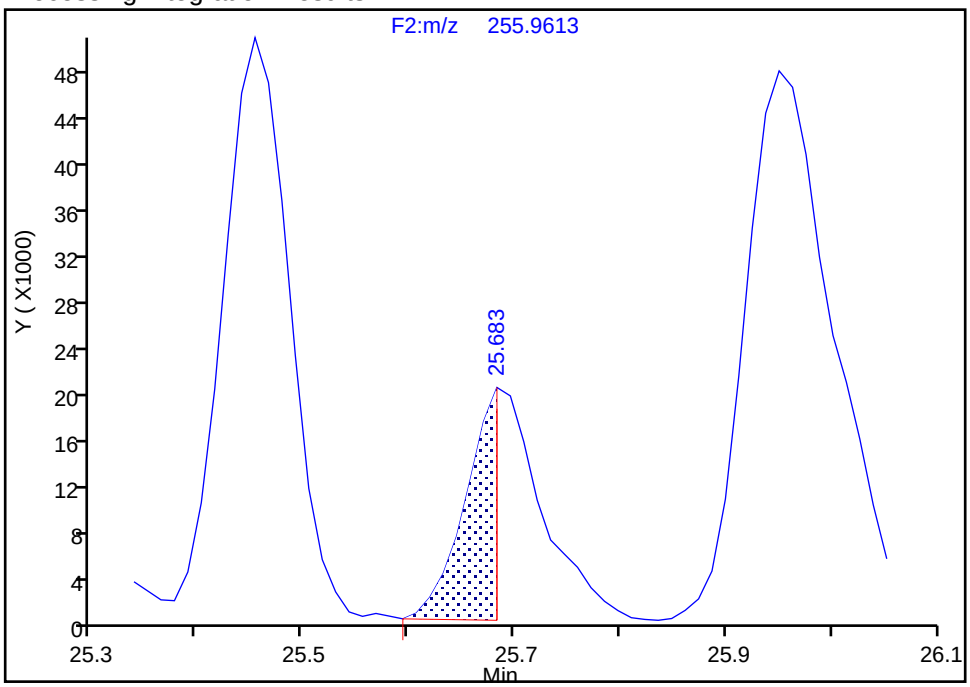
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

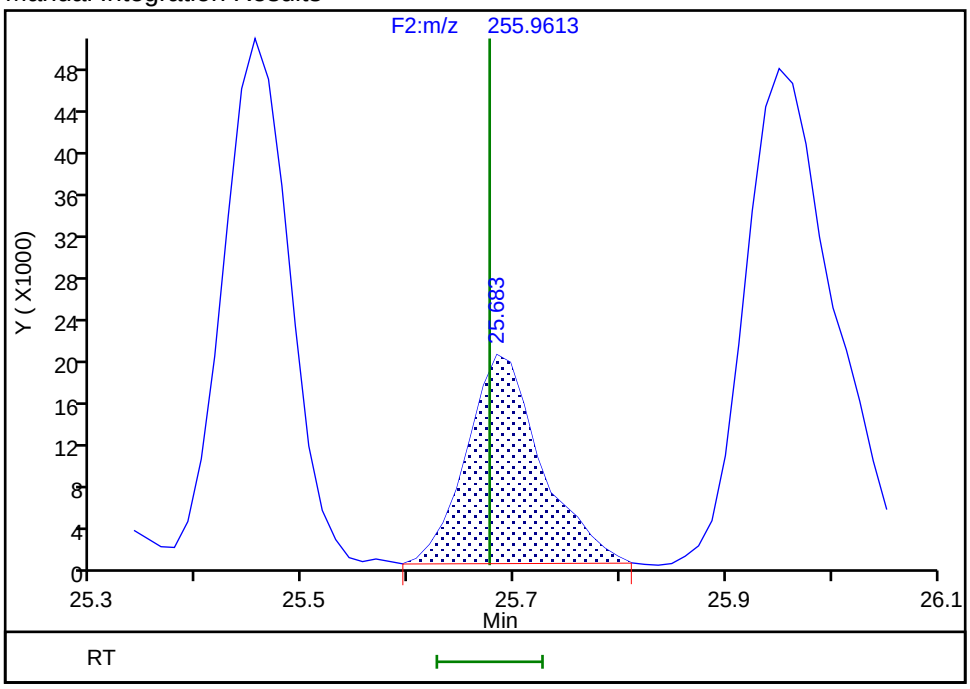
Processing Integration Results

RT: 25.68
Area: 40007
Amount: 1.198291
Amount Units: pg/ul




Manual Integration Results

RT: 25.68
Area: 97311
Amount: 1.753728
Amount Units: pg/ul



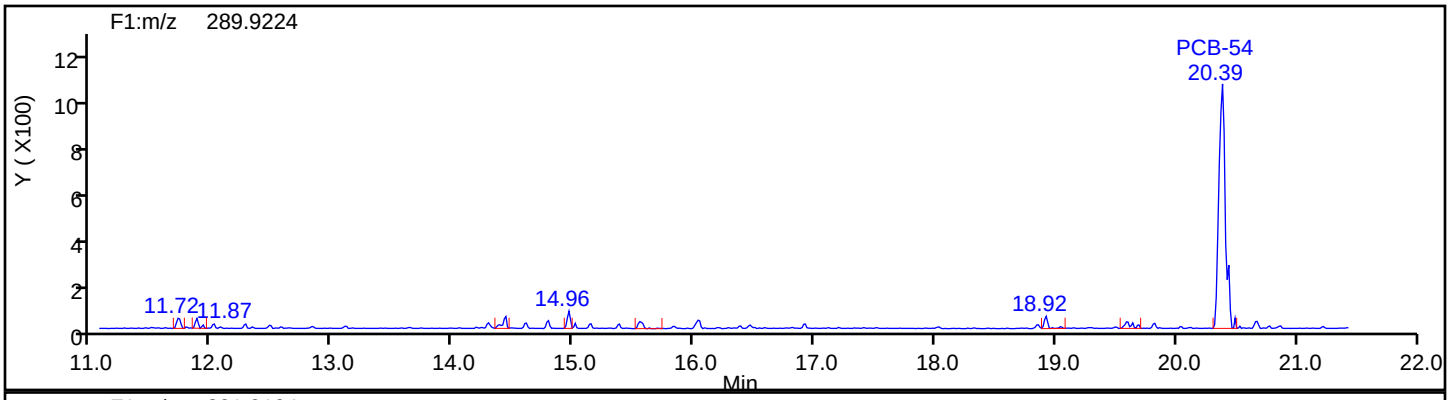

Reviewer: mcwhirterl, 09-Oct-2019 19:58:18

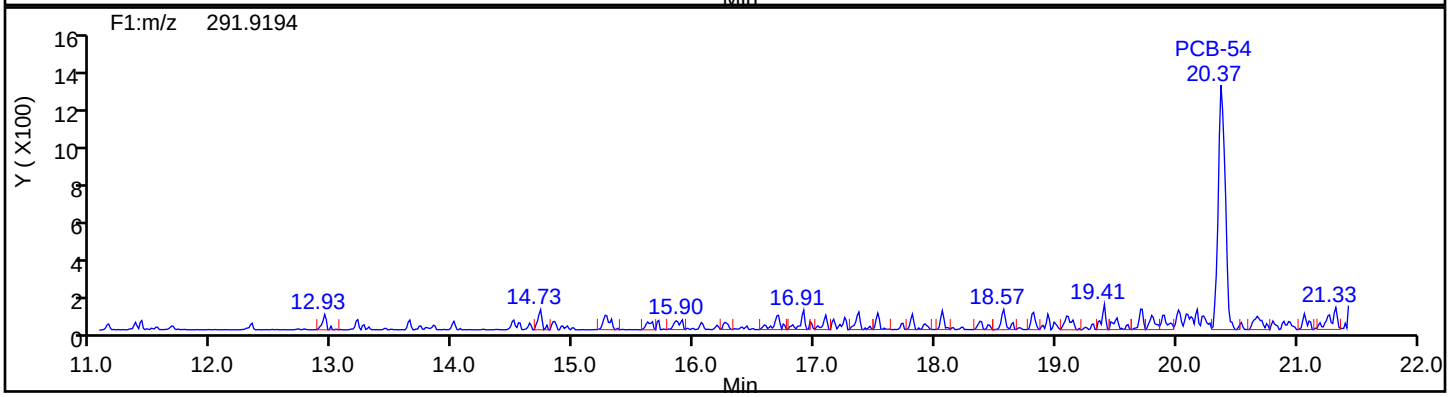
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

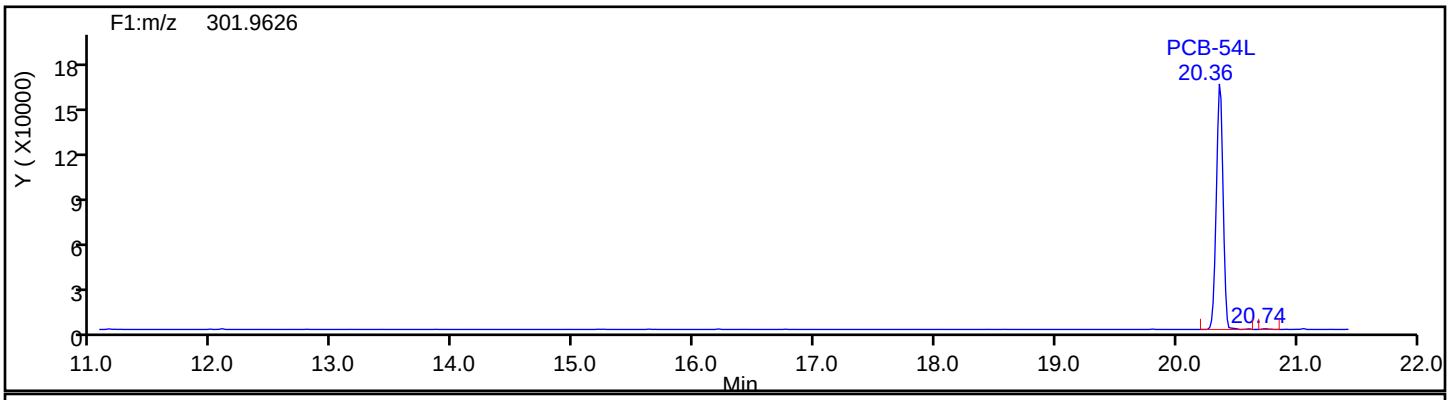
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

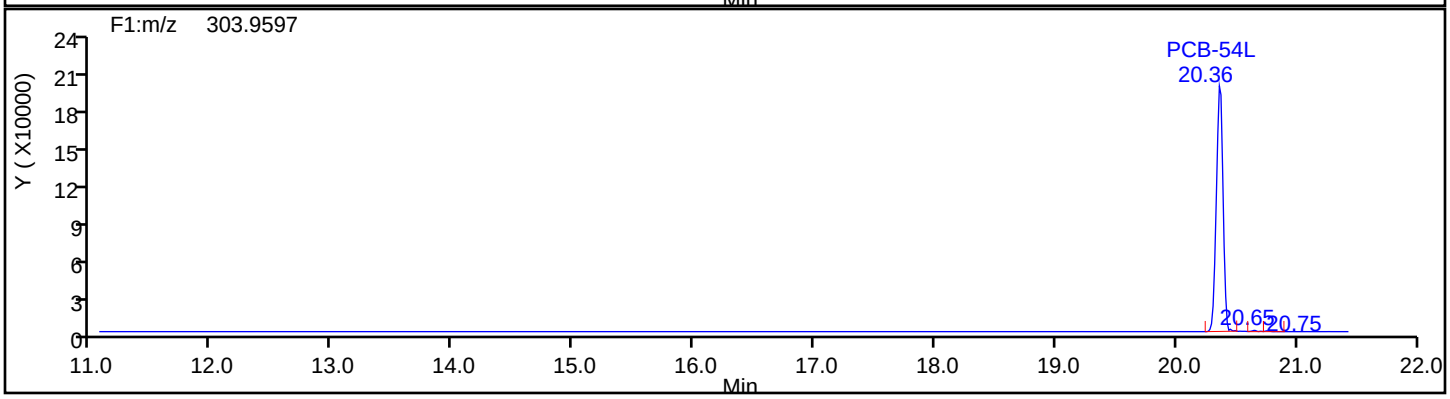
TePCB F1




TePCB F1 Standards

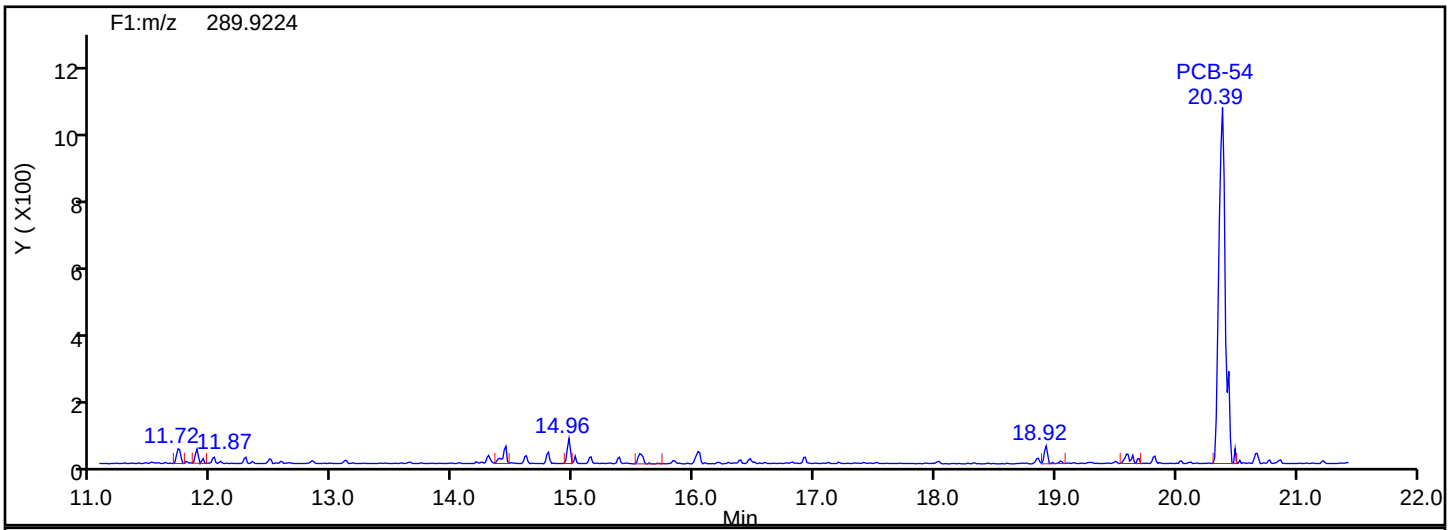


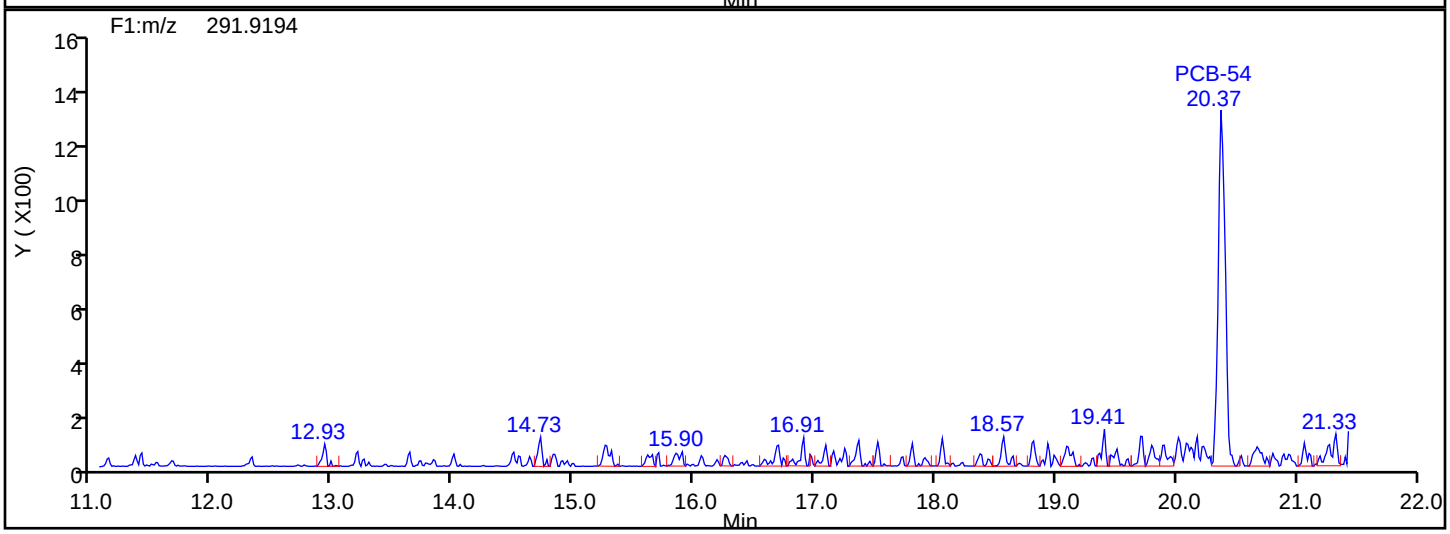



Eurofins TestAmerica, Knoxville

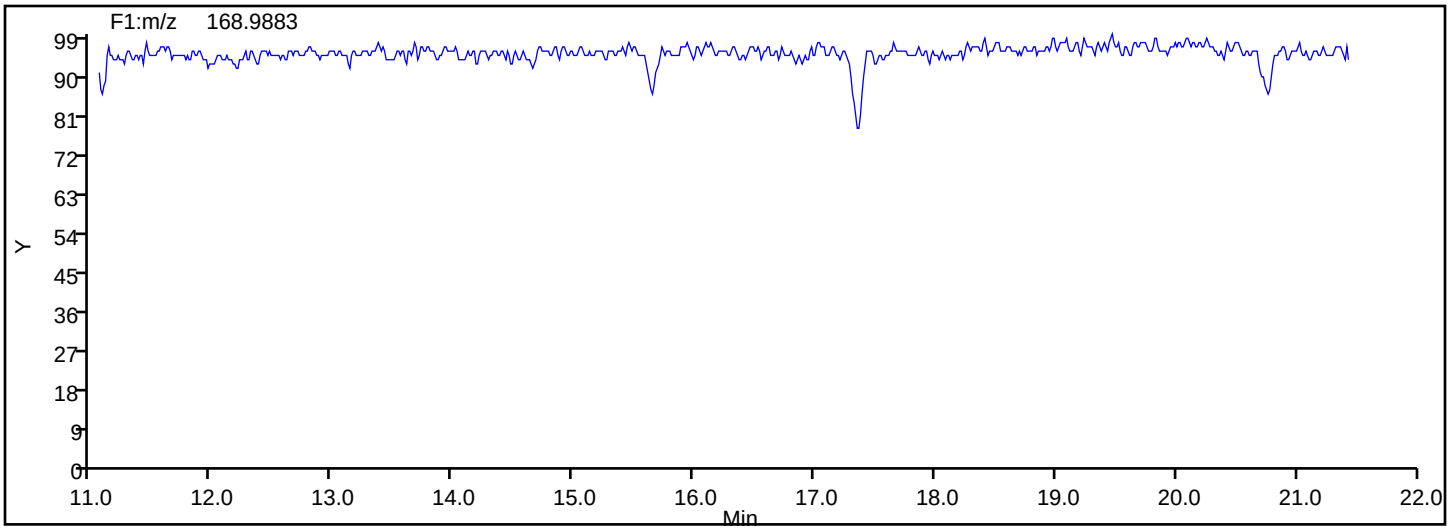
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



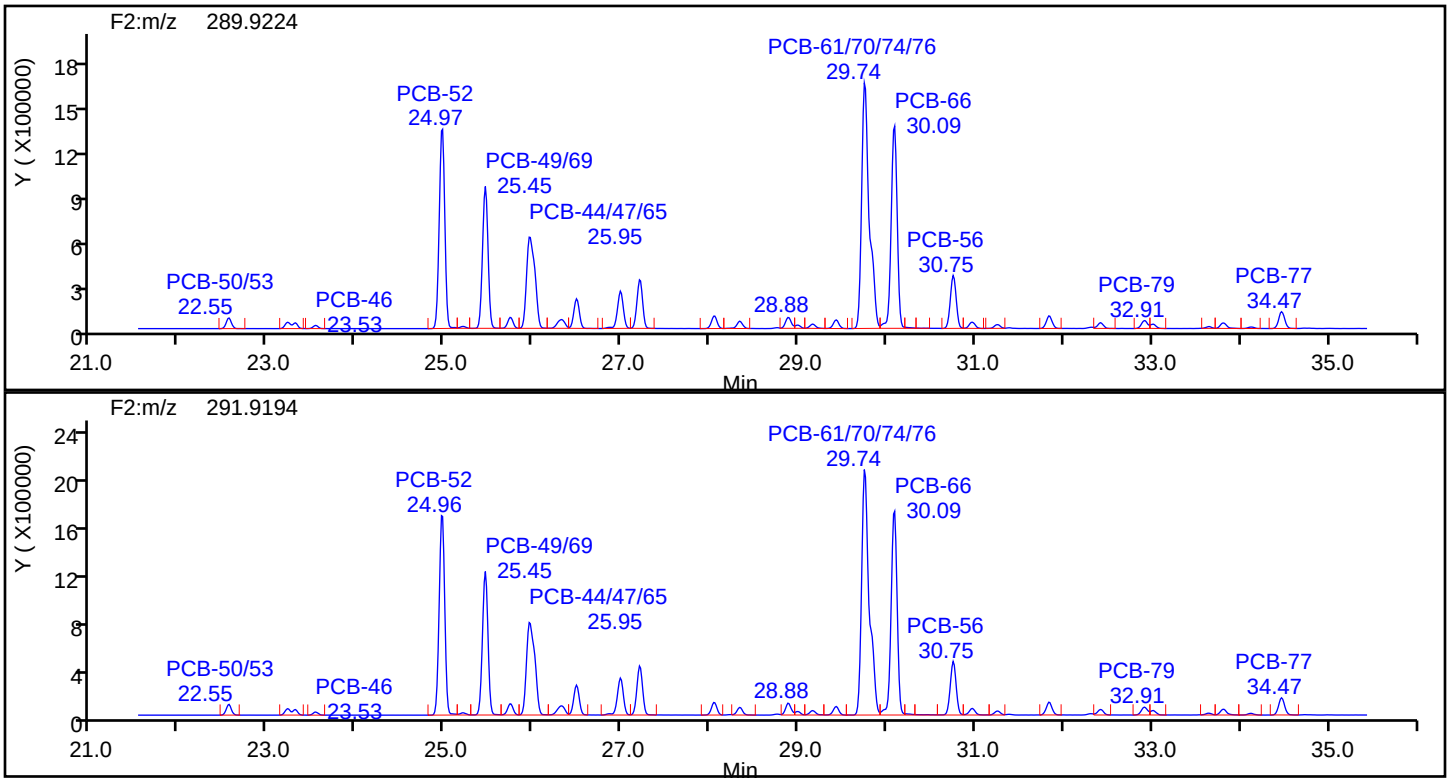

TePCB F1 Lock Mass



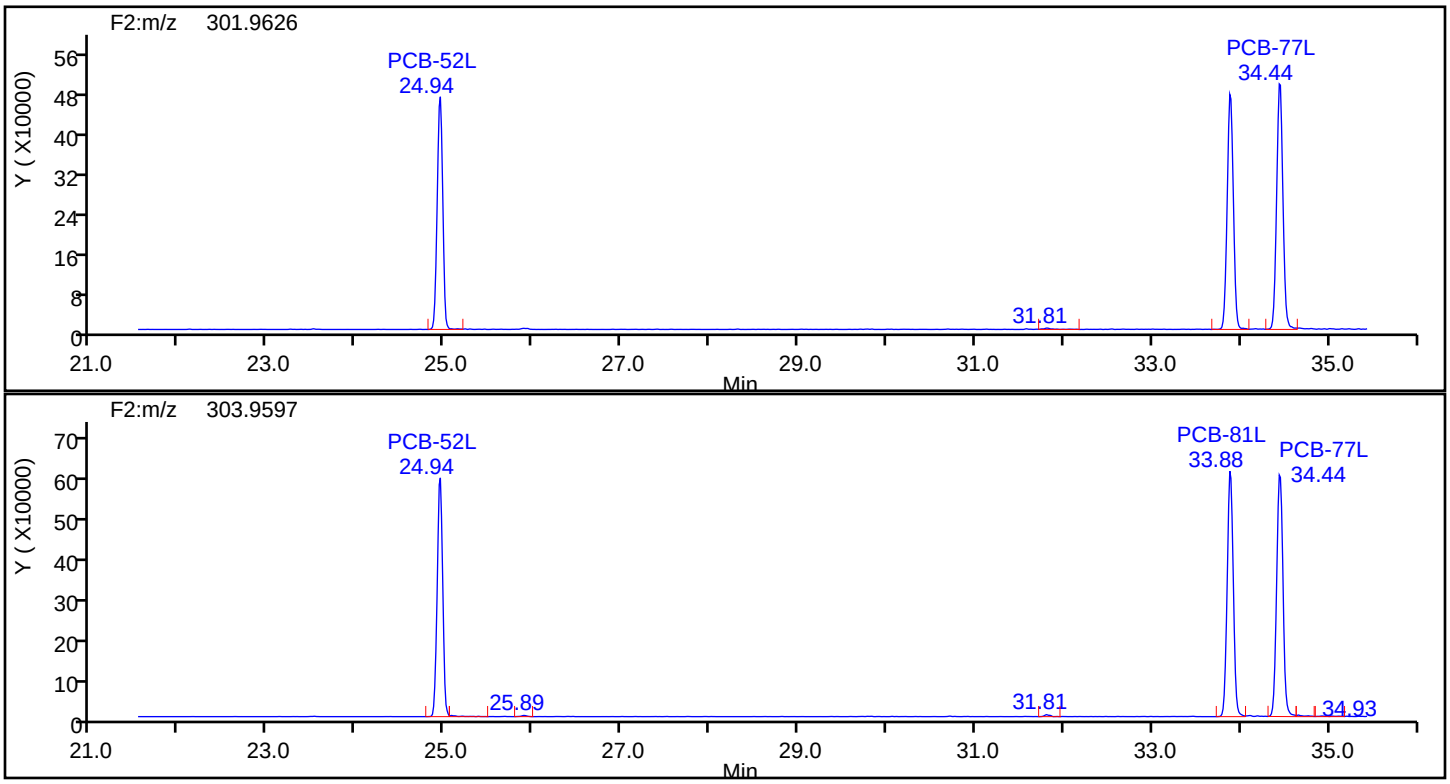
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



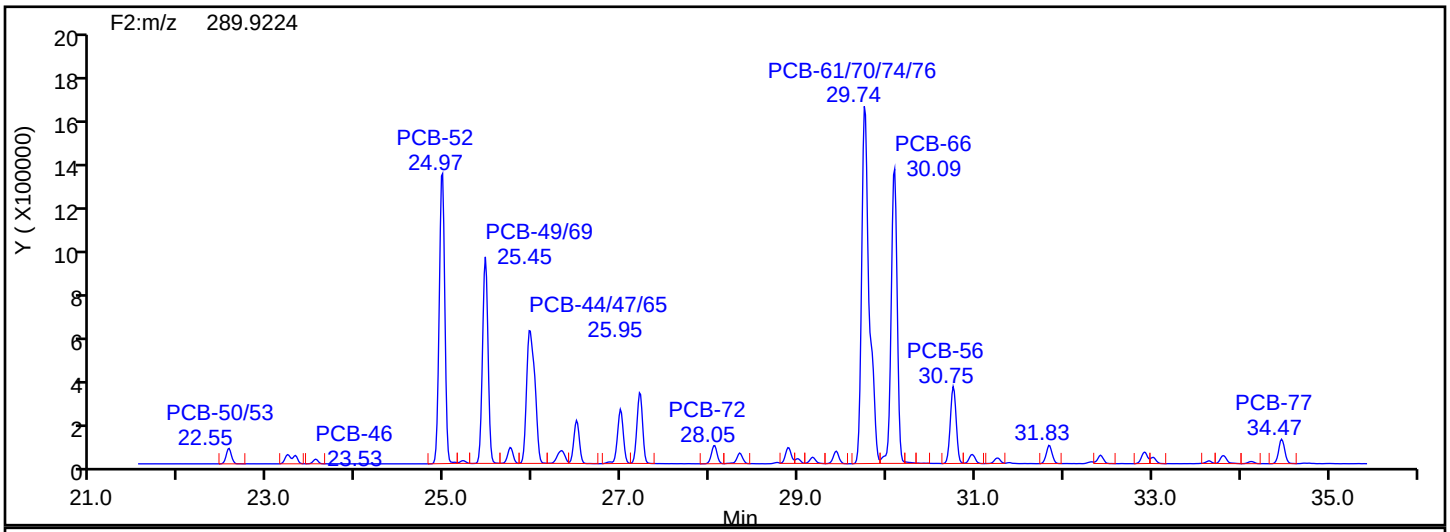

TePCB F2 Standards

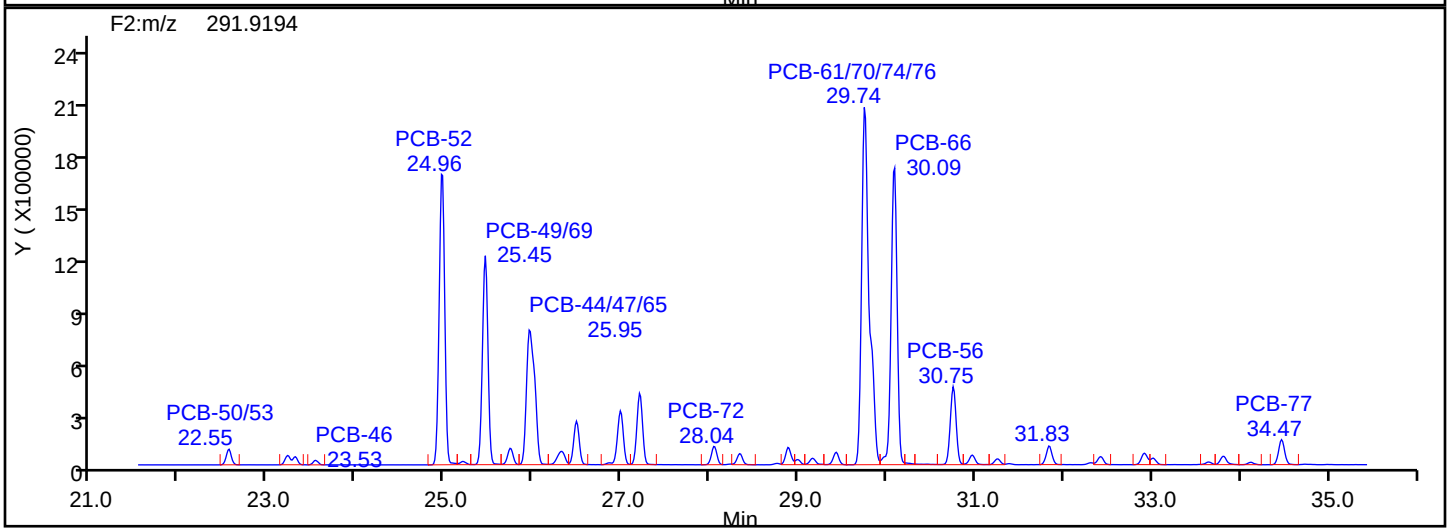


Eurofins TestAmerica, Knoxville

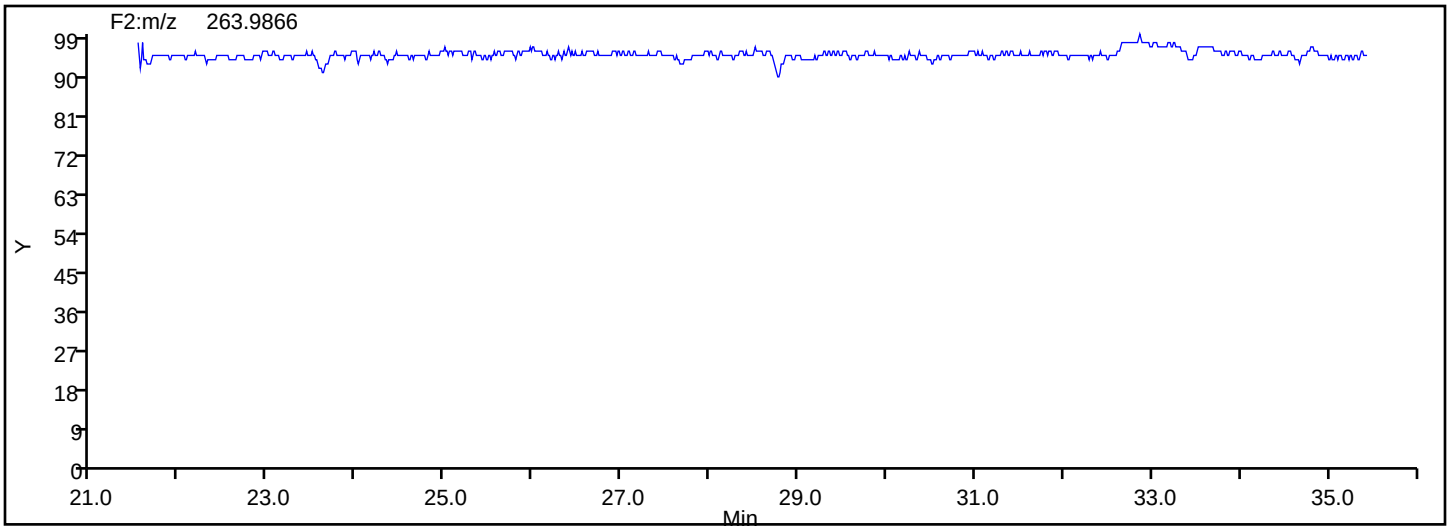
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

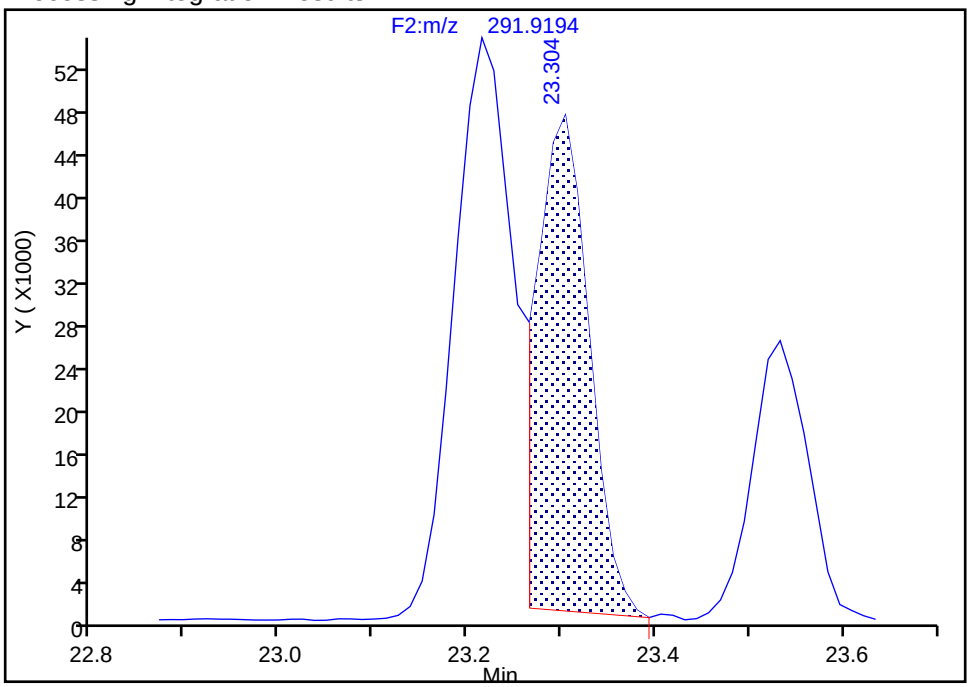
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

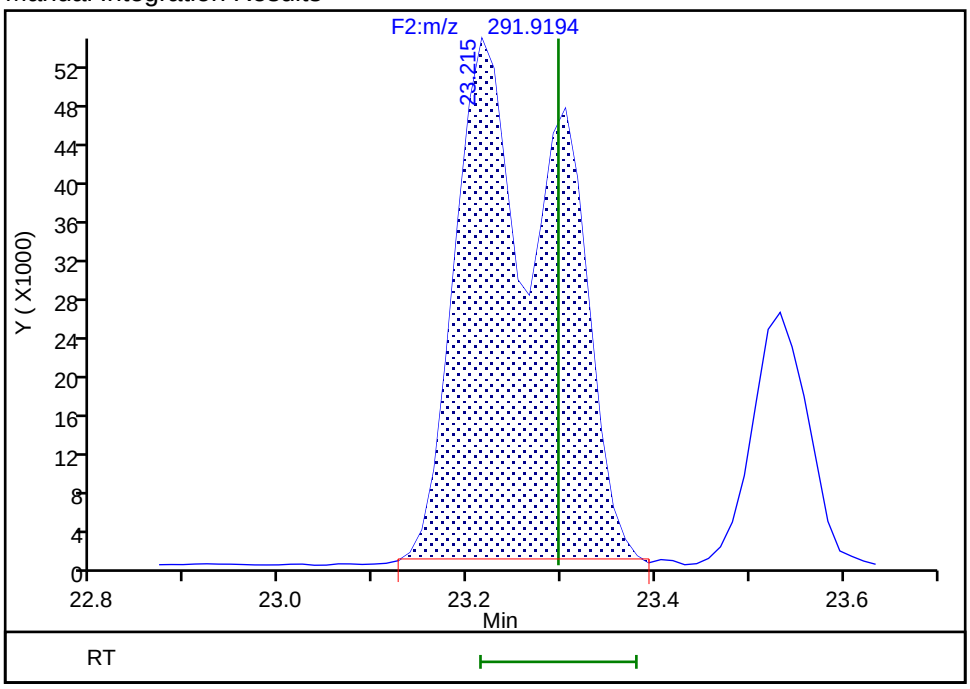
Processing Integration Results

RT: 23.30
Area: 169890
Amount: 6.431389
Amount Units: pg/ul




Manual Integration Results

RT: 23.22
Area: 399181
Amount: 15.469222
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:58:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

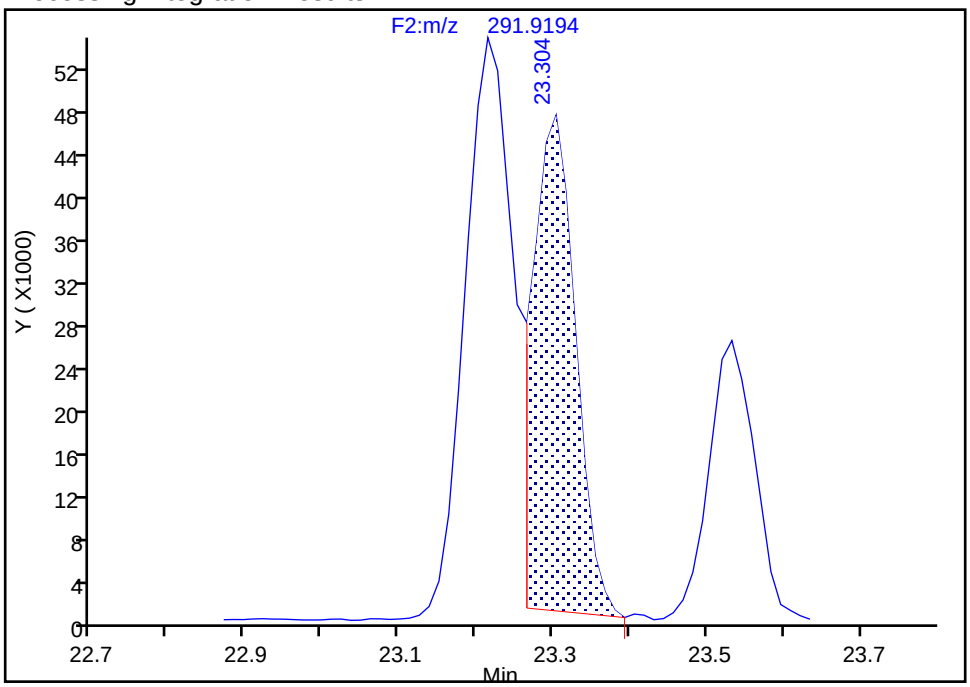
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.30
Area: 304980
Amount: 6.431389
Amount Units: pg/ul




Manual Integration Results

RT: 23.22
Area: 733559
Amount: 15.469222
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:58:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

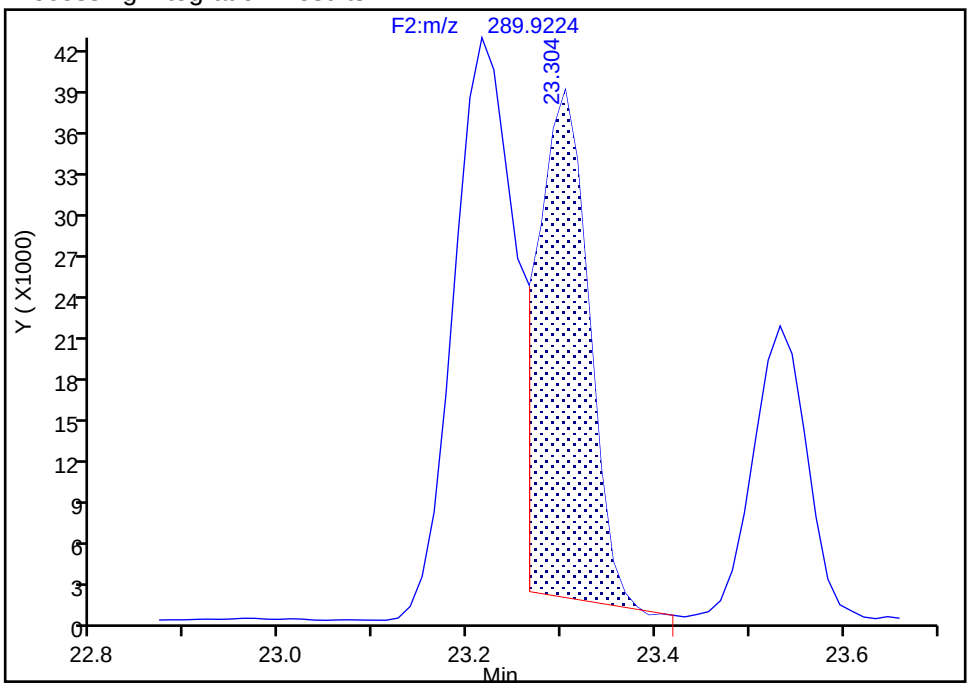
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

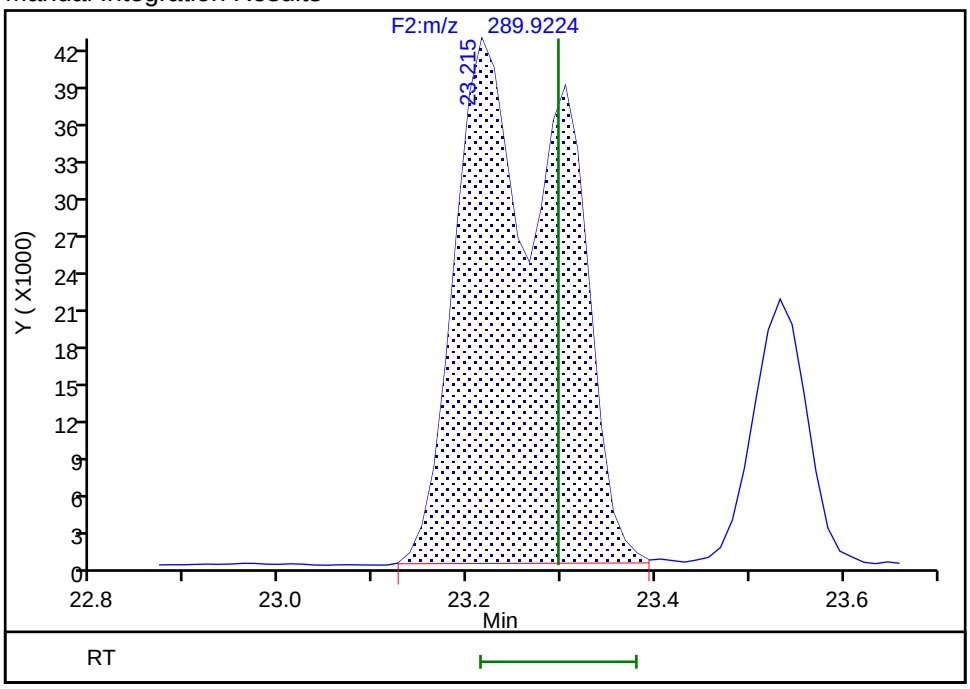
Processing Integration Results

RT: 23.30
Area: 135090
Amount: 6.431389
Amount Units: pg/ul




Manual Integration Results

RT: 23.22
Area: 334378
Amount: 15.469222
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:59:05

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

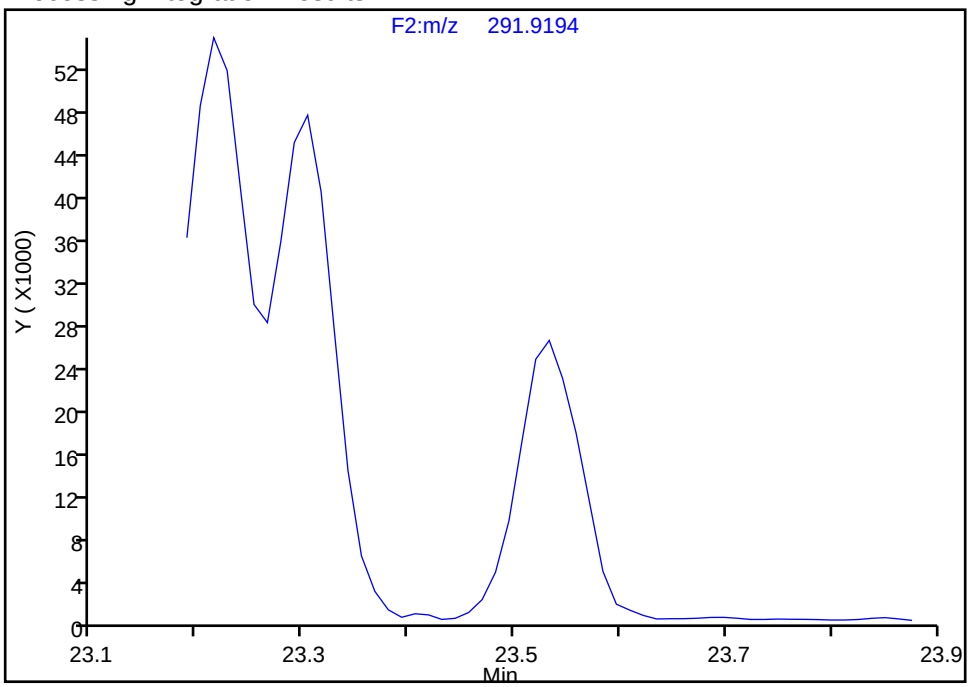
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-46, CAS: 41464-47-5

Signal: 2

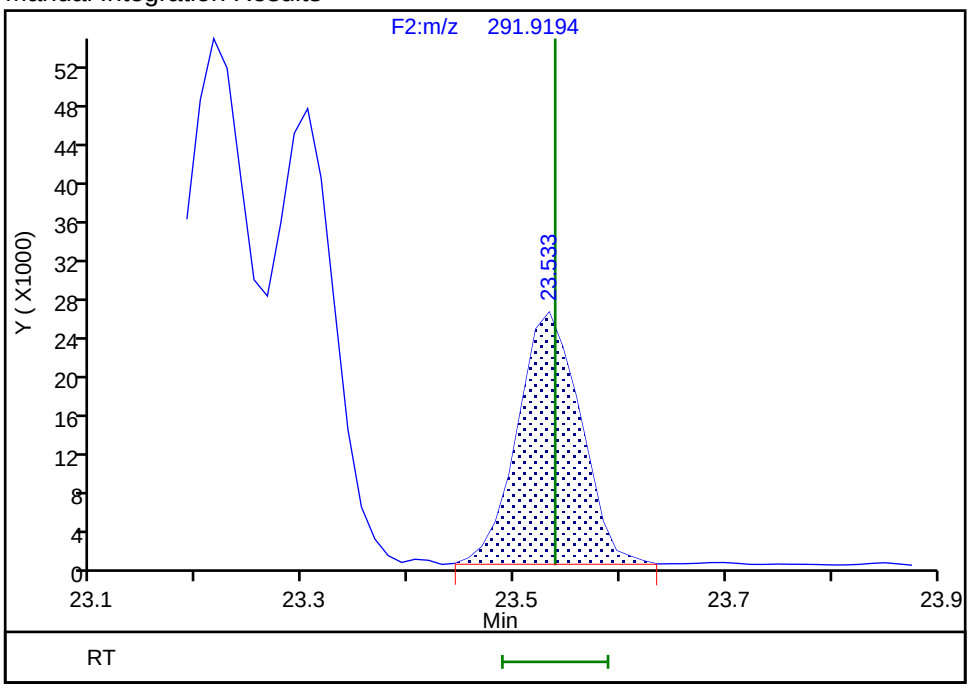
Not Detected
Expected RT: 23.54

Processing Integration Results




Manual Integration Results

RT: 23.53
Area: 106885
Amount: 4.701719
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:59:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

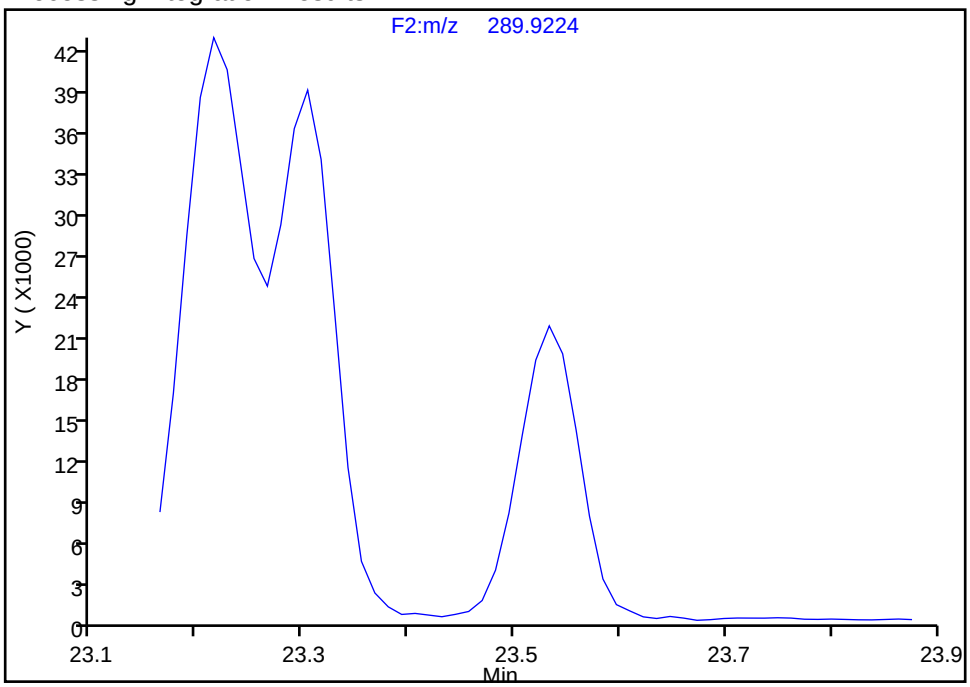
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-46, CAS: 41464-47-5

Signal: 1

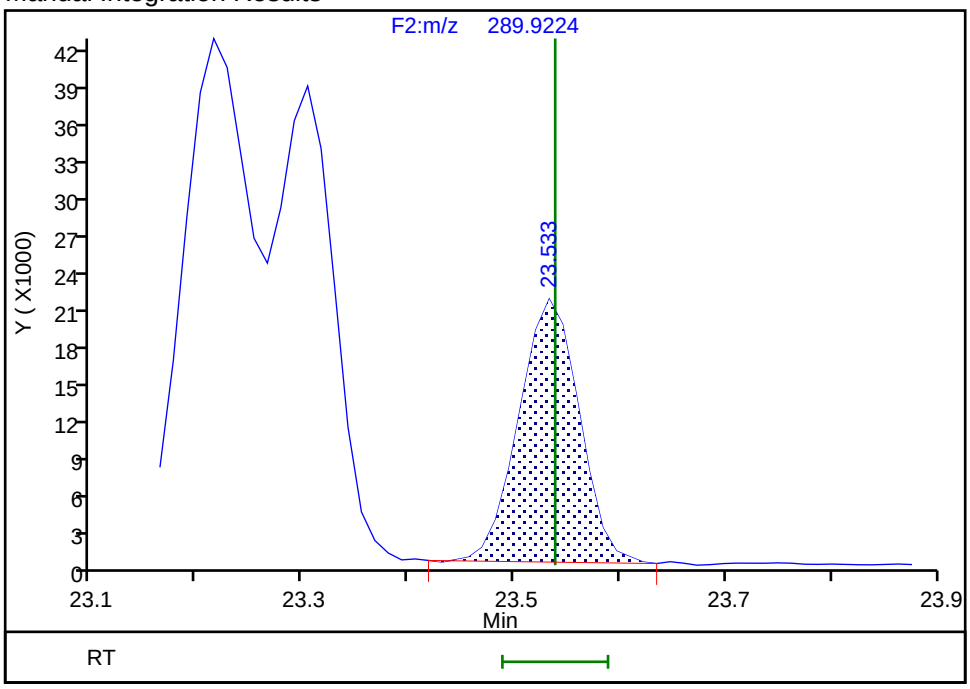
Not Detected
Expected RT: 23.54

Processing Integration Results




Manual Integration Results

RT: 23.53
Area: 84348
Amount: 4.701719
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:59:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

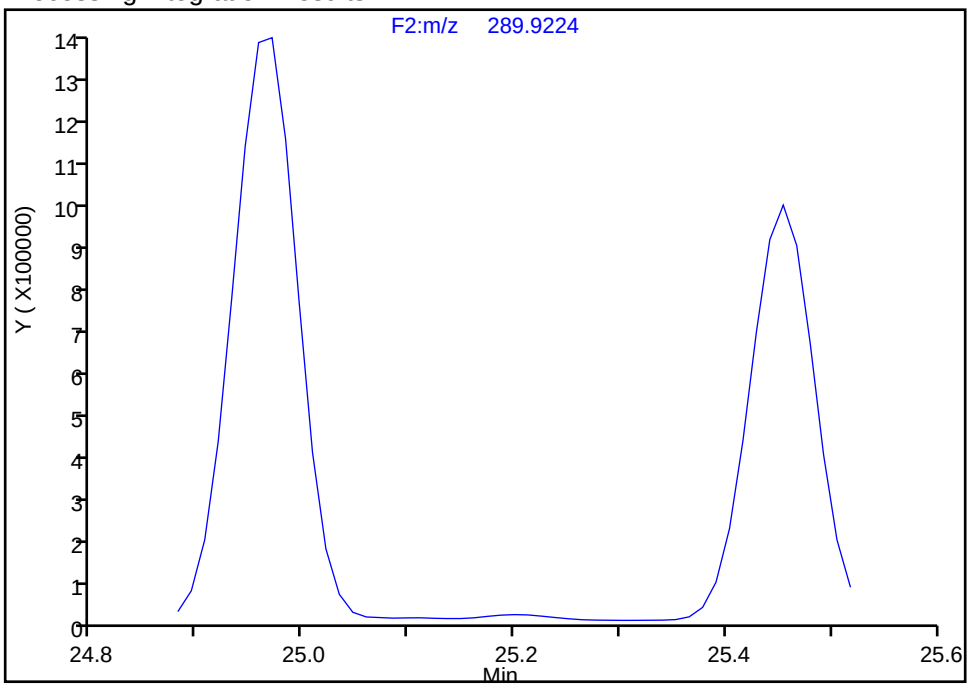
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

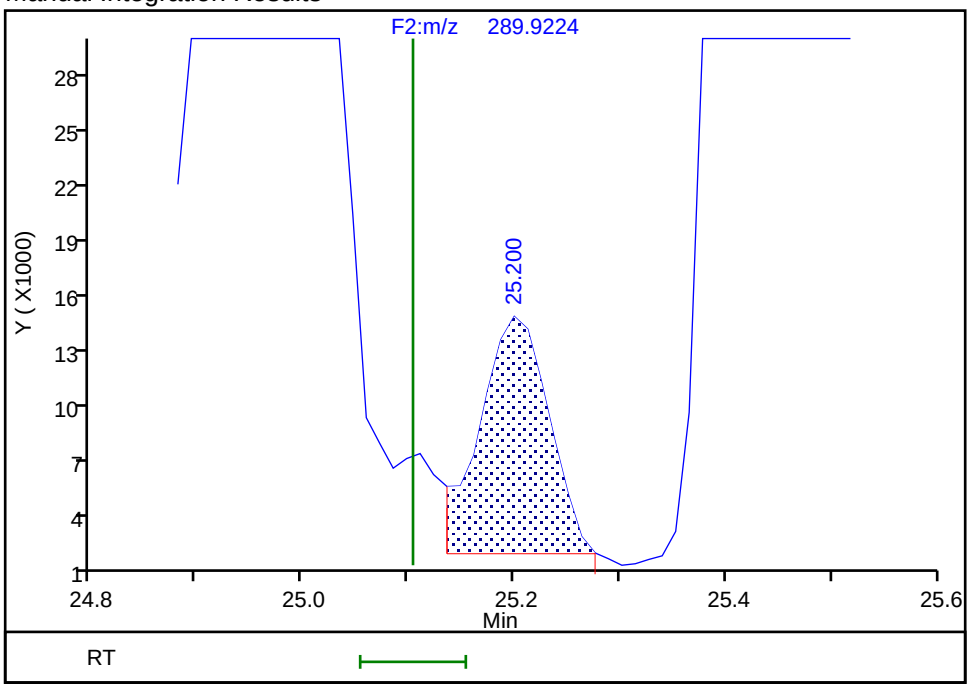
Not Detected
Expected RT: 25.10

Processing Integration Results




Manual Integration Results

RT: 25.20
Area: 57121
Amount: 2.739749
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:59:47
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

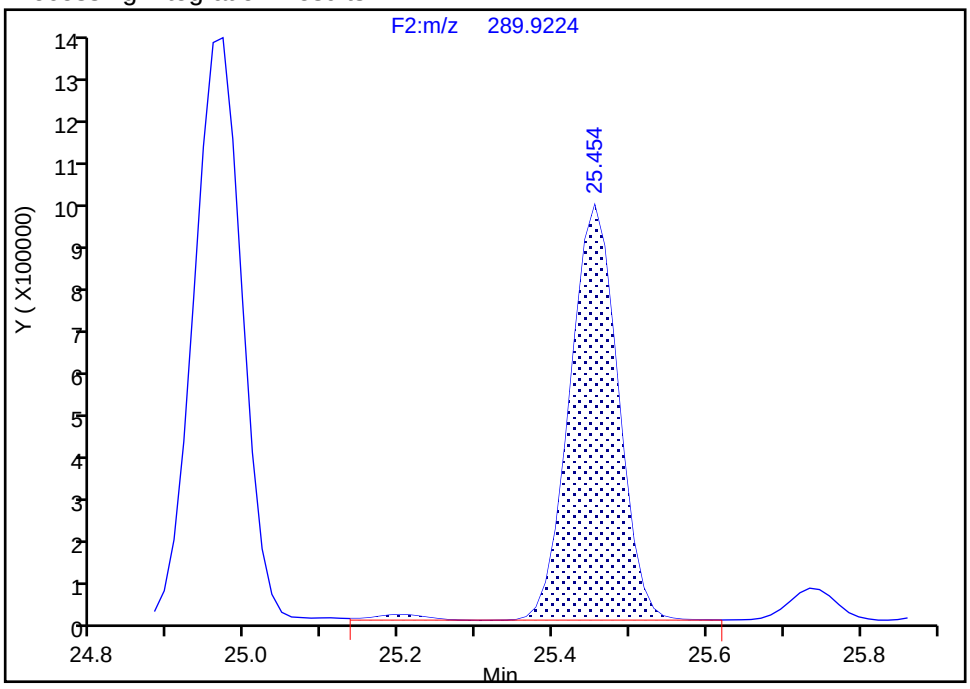
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 1

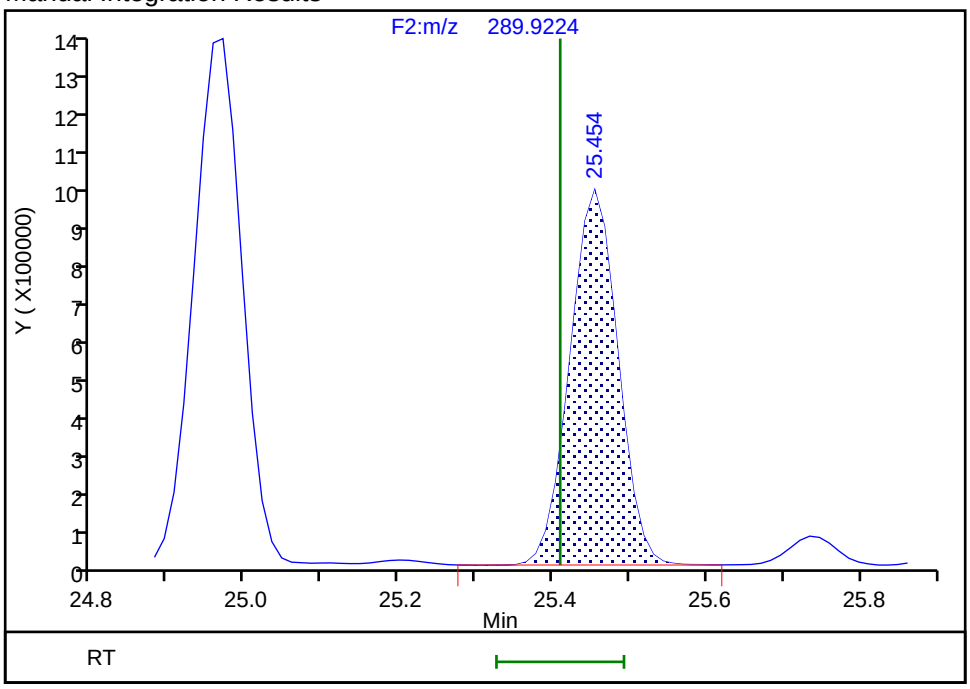
Processing Integration Results

RT: 25.45
Area: 4206953
Amount: 155.0181
Amount Units: pg/ul




Manual Integration Results

RT: 25.45
Area: 4149831
Amount: 154.0801
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:59:42

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

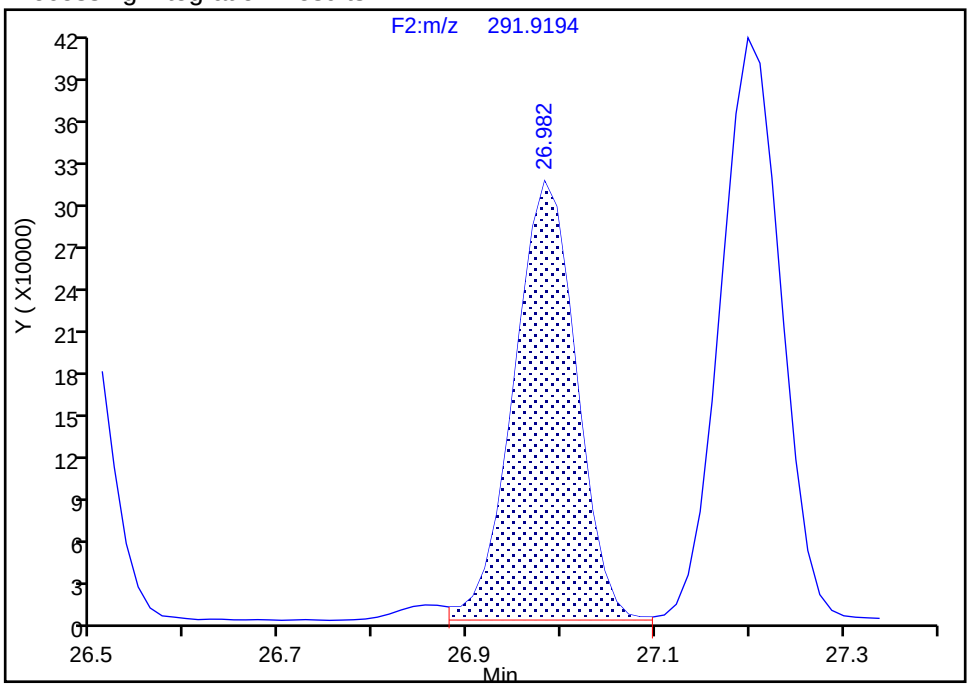
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

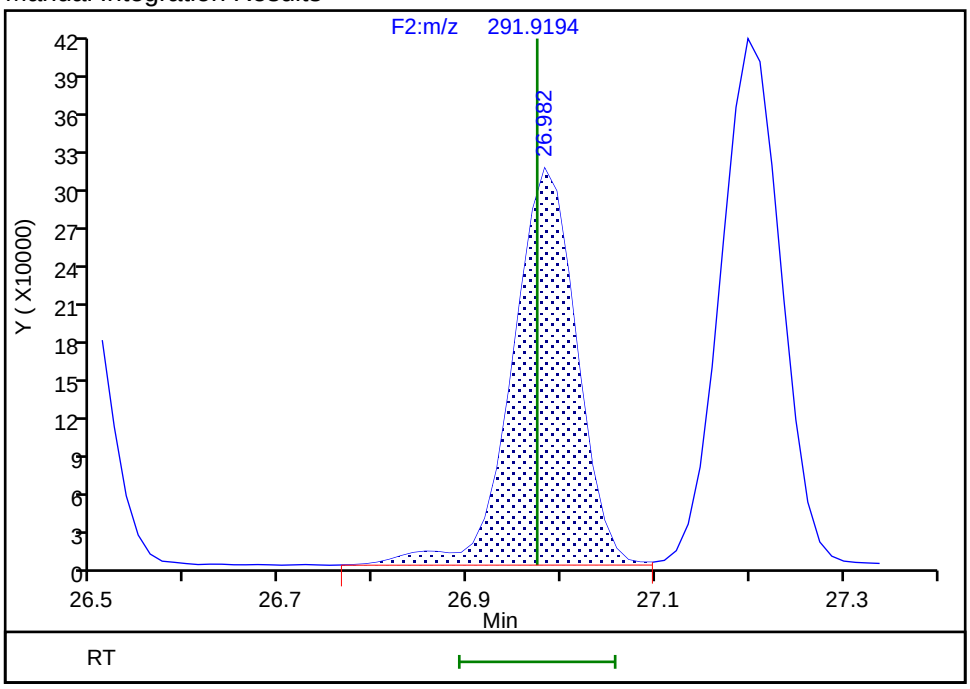
Processing Integration Results

RT: 26.98
Area: 1432319
Amount: 52.051548
Amount Units: pg/ul




Manual Integration Results

RT: 26.98
Area: 1472841
Amount: 53.624326
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:00:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

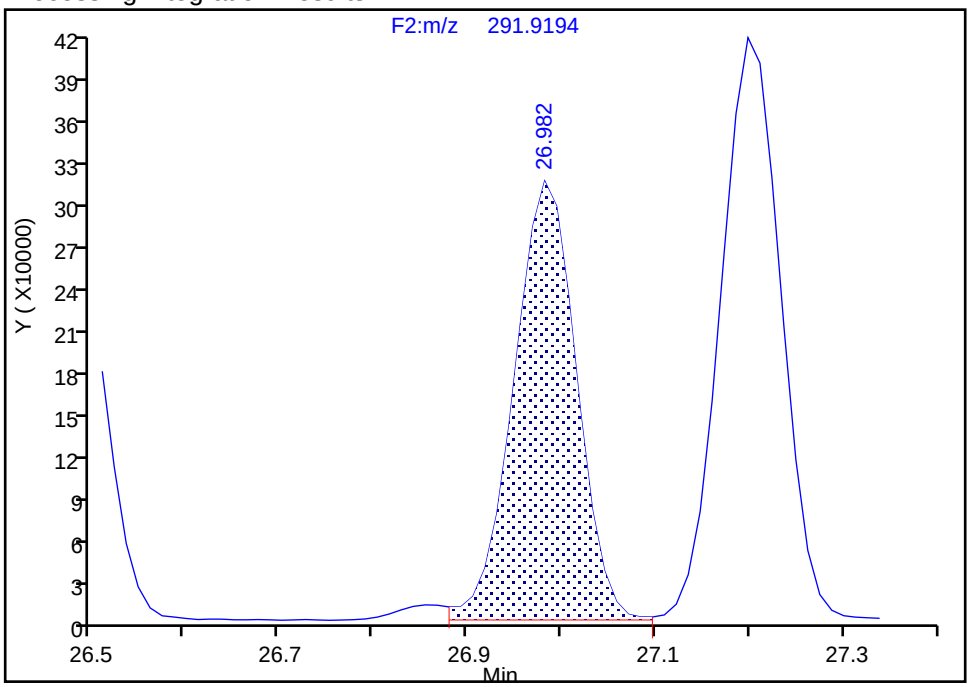
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.98
Area: 2559986
Amount: 52.051548
Amount Units: pg/ul




Manual Integration Results

RT: 26.98
Area: 2637338
Amount: 53.624326
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 20:00:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

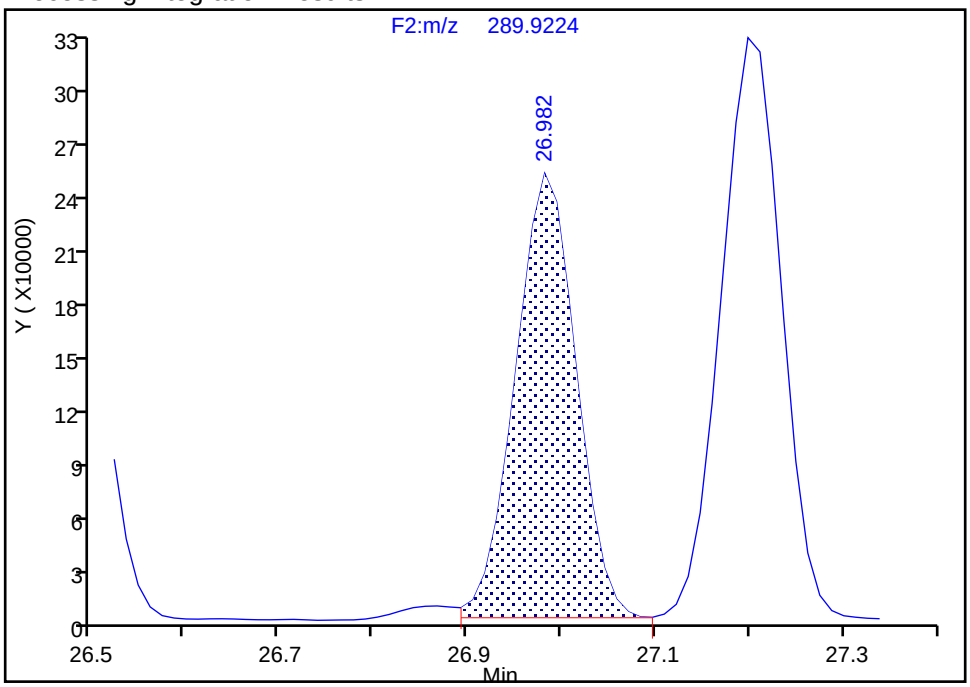
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

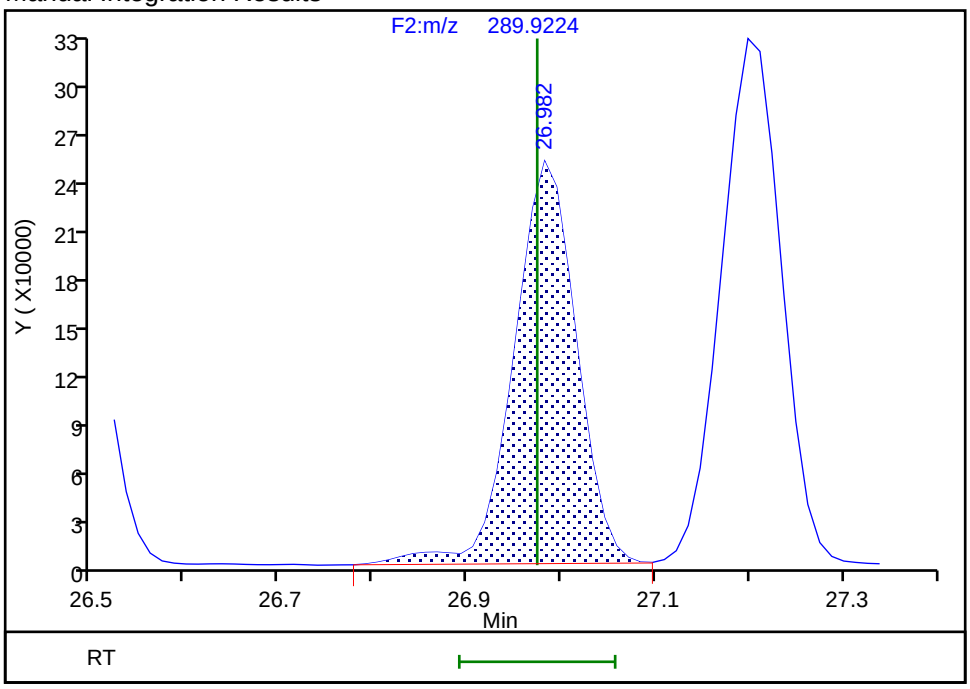
Processing Integration Results

RT: 26.98
Area: 1127667
Amount: 52.051548
Amount Units: pg/ul




Manual Integration Results

RT: 26.98
Area: 1164497
Amount: 53.624326
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:00:15

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

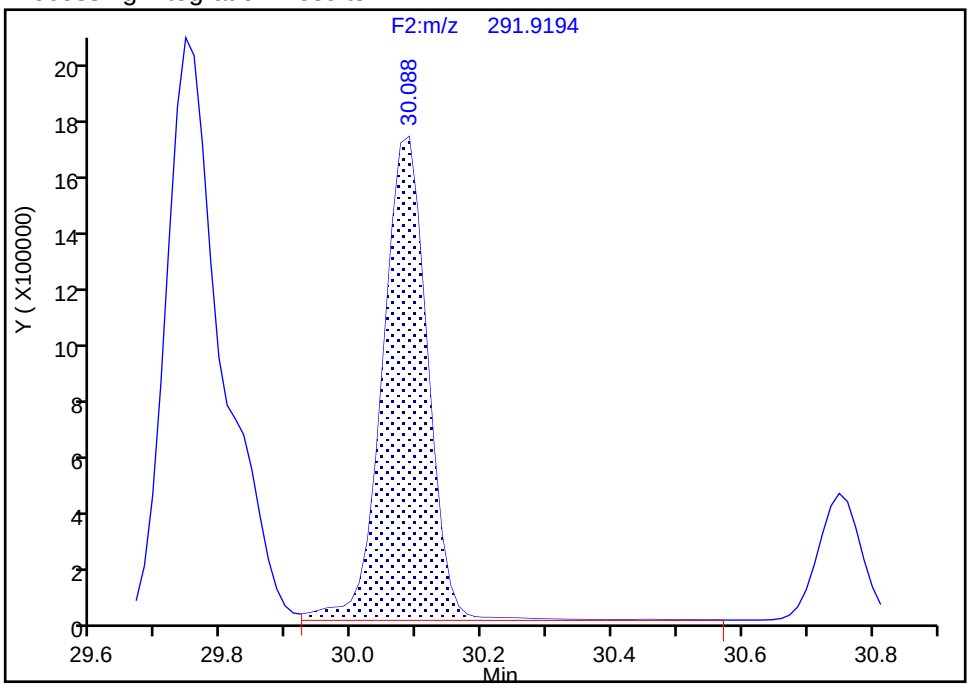
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

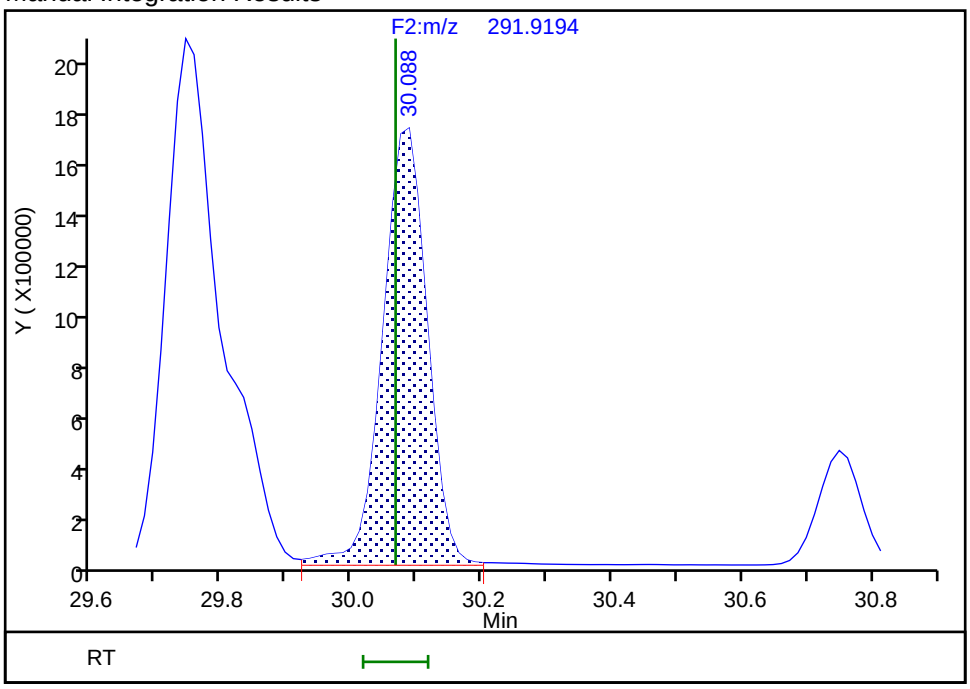
Processing Integration Results

RT: 30.09
Area: 8222894
Amount: 215.1753
Amount Units: pg/ul




Manual Integration Results

RT: 30.09
Area: 8139217
Amount: 213.4152
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:00:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

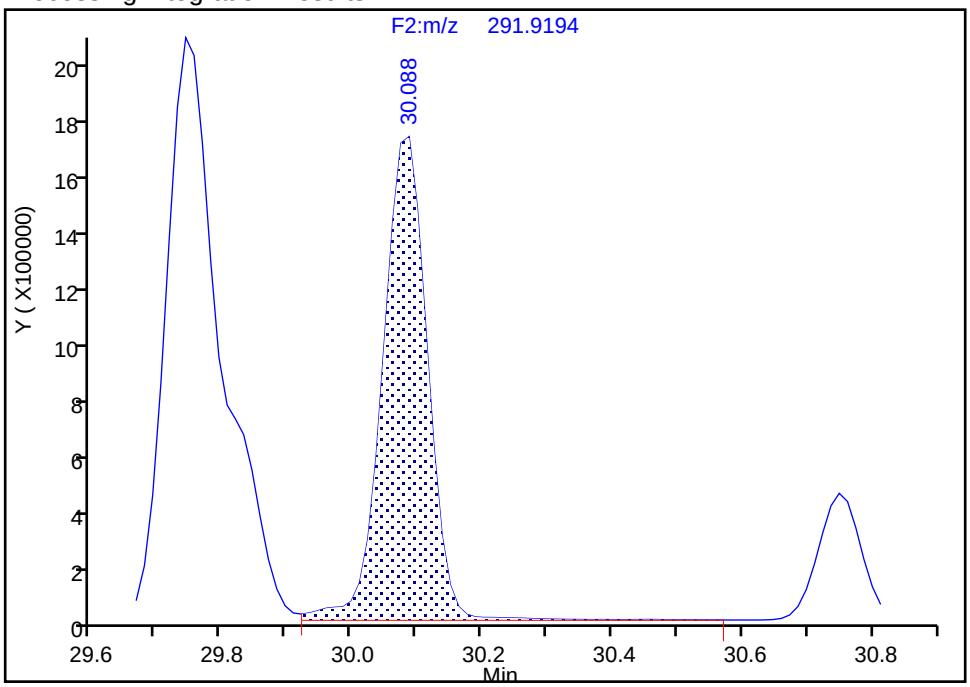
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 30.09
Area: 14757311
Amount: 215.1753
Amount Units: pg/ul




Manual Integration Results

RT: 30.09
Area: 14636597
Amount: 213.4152
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 20:00:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

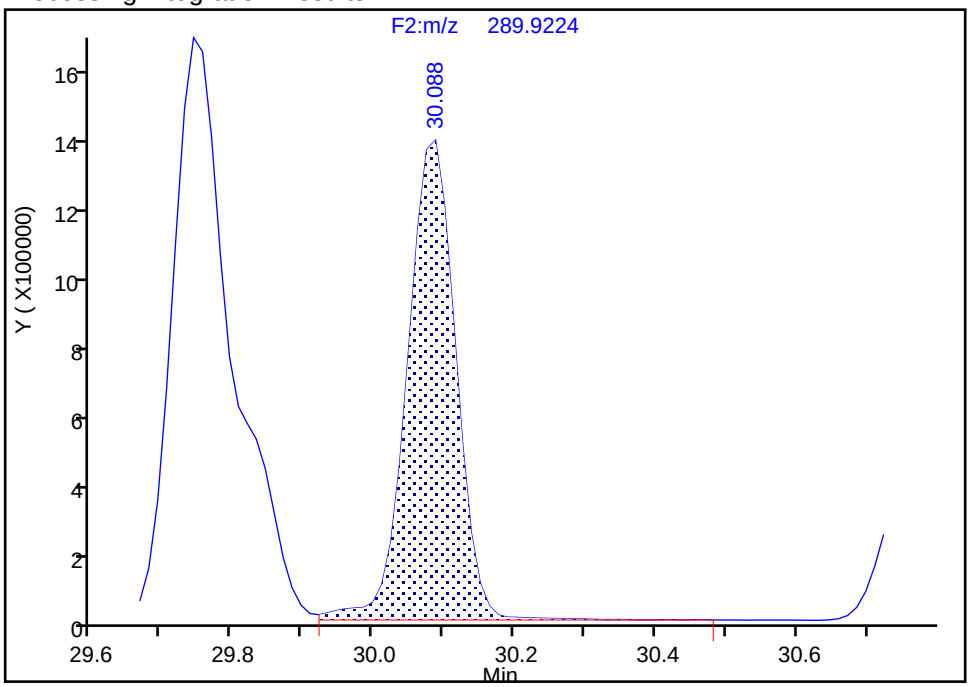
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

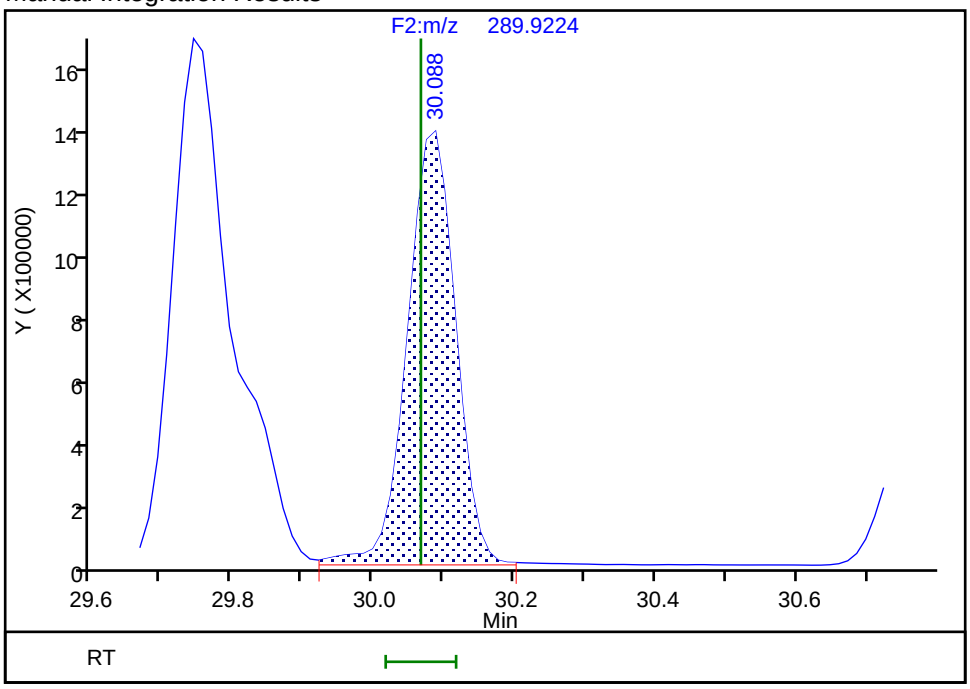
Processing Integration Results

RT: 30.09
Area: 6534417
Amount: 215.1753
Amount Units: pg/ul




Manual Integration Results

RT: 30.09
Area: 6497380
Amount: 213.4152
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:00:57

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

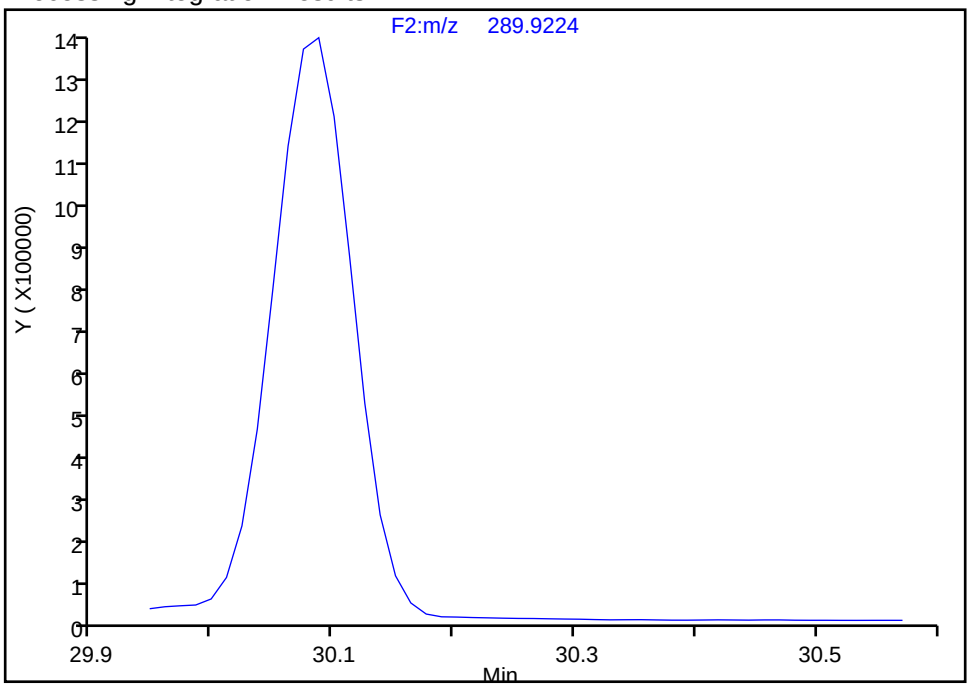
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

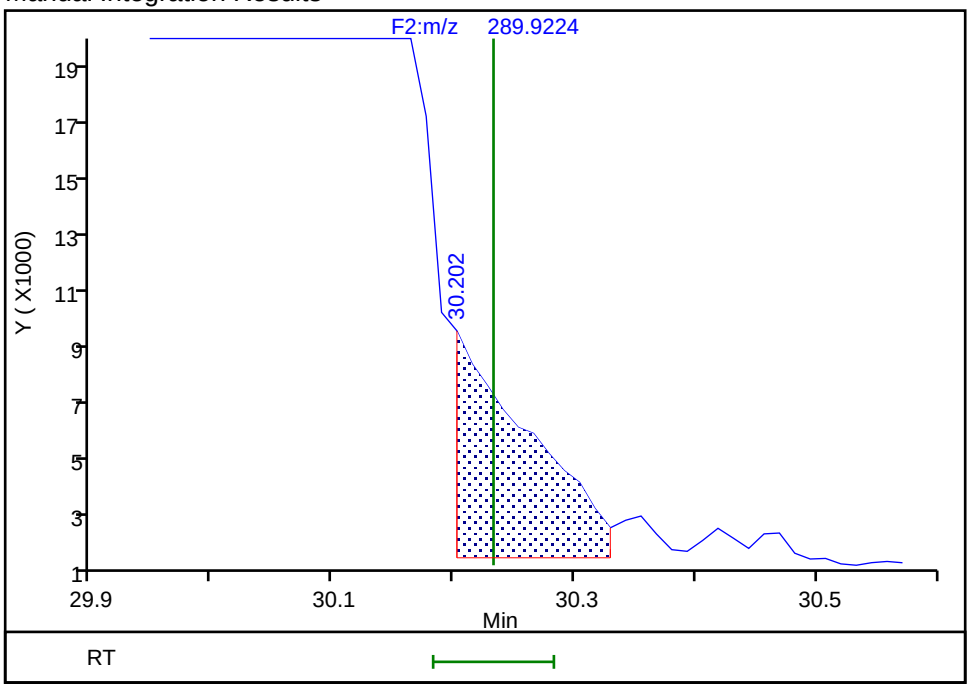
Not Detected
Expected RT: 30.23

Processing Integration Results




Manual Integration Results

RT: 30.20
Area: 30502
Amount: 1.144099
Amount Units: pg/ul

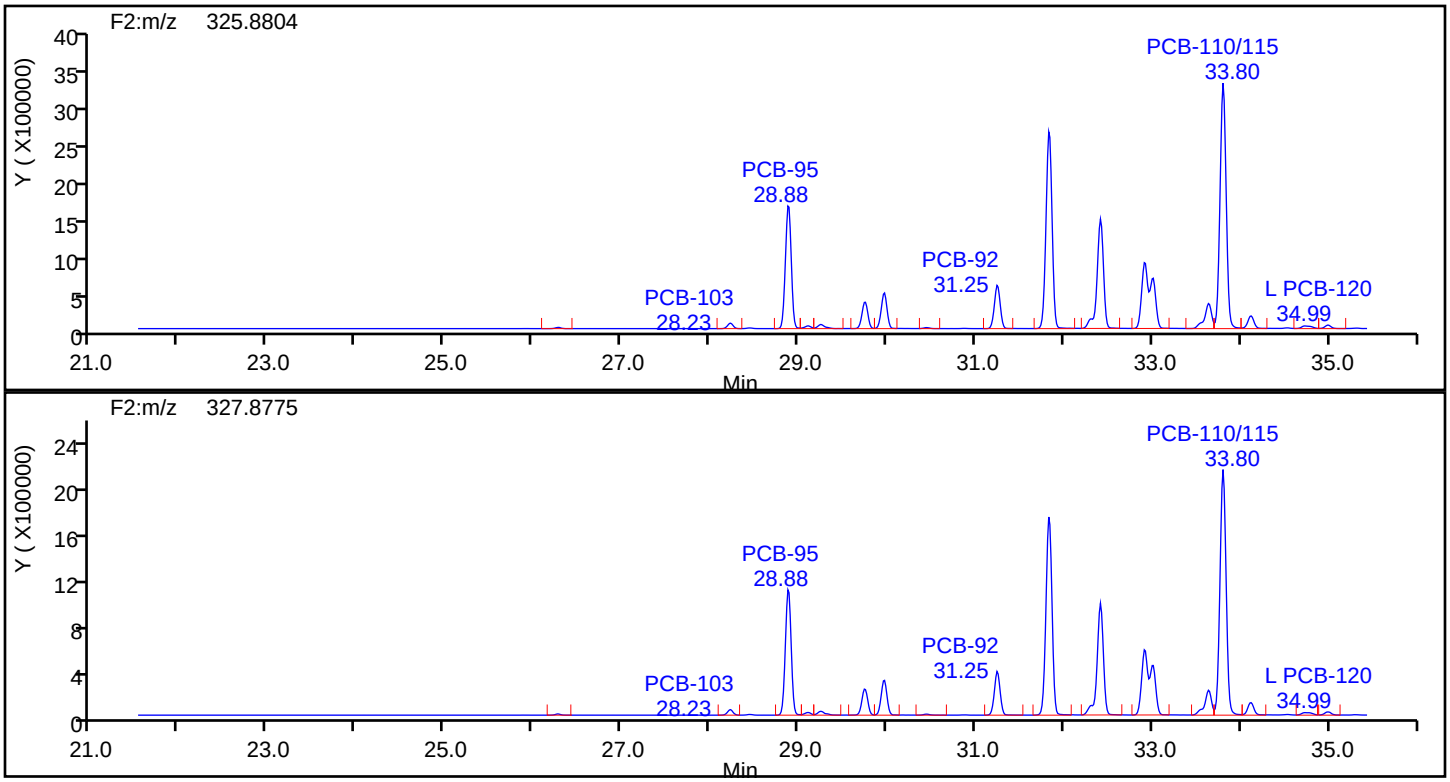



Reviewer: mcwhirterl, 09-Oct-2019 20:01:45
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

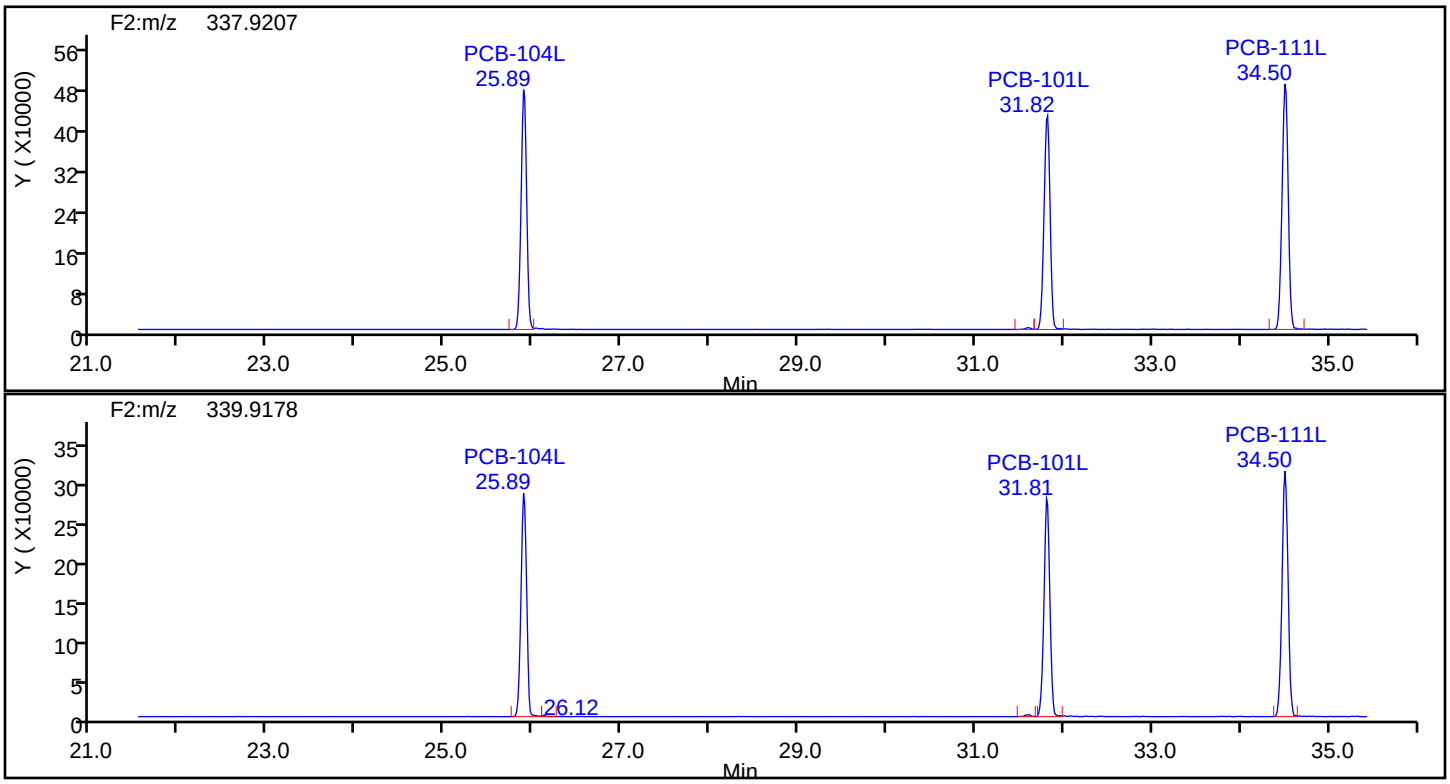
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



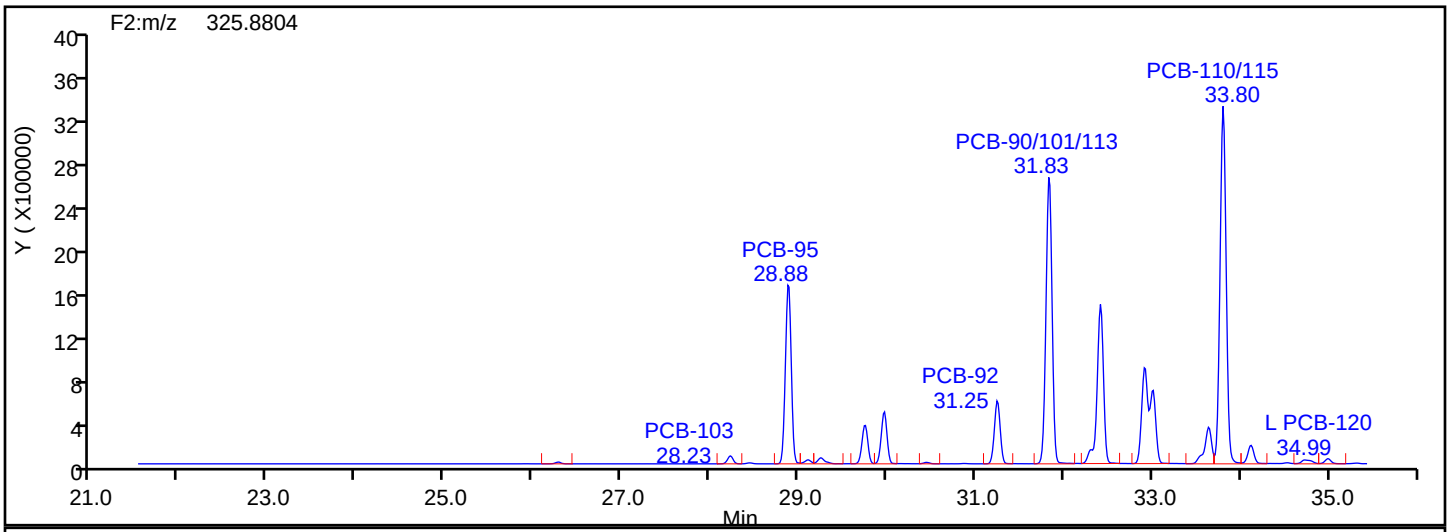

PePCB F2 Standards

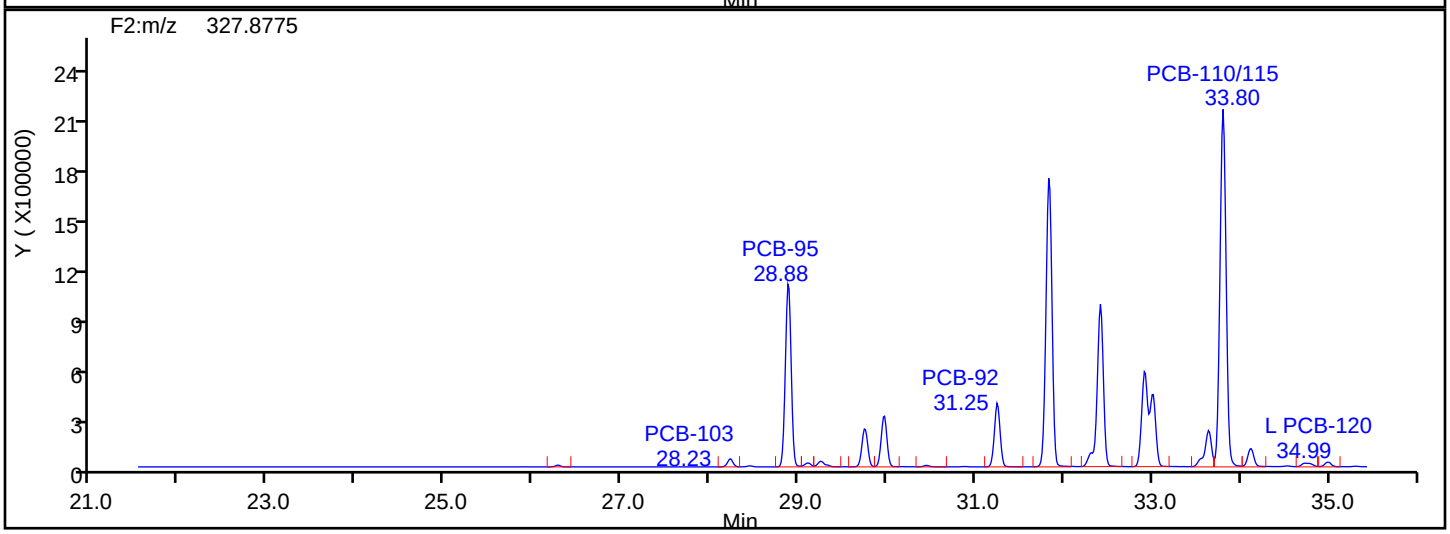


Eurofins TestAmerica, Knoxville

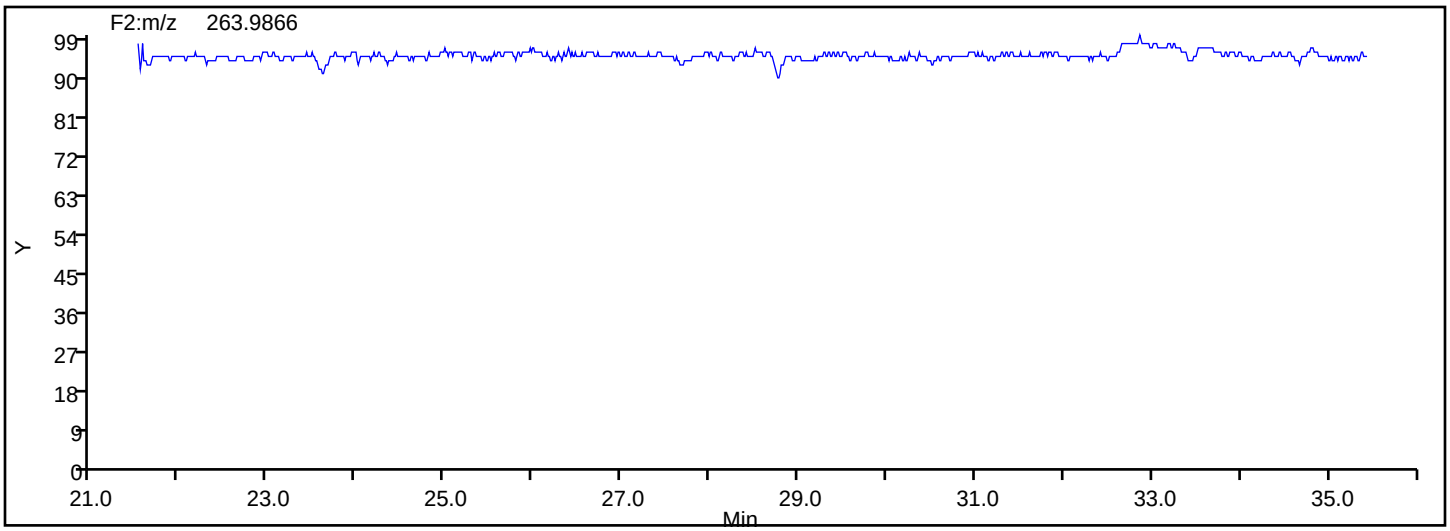
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

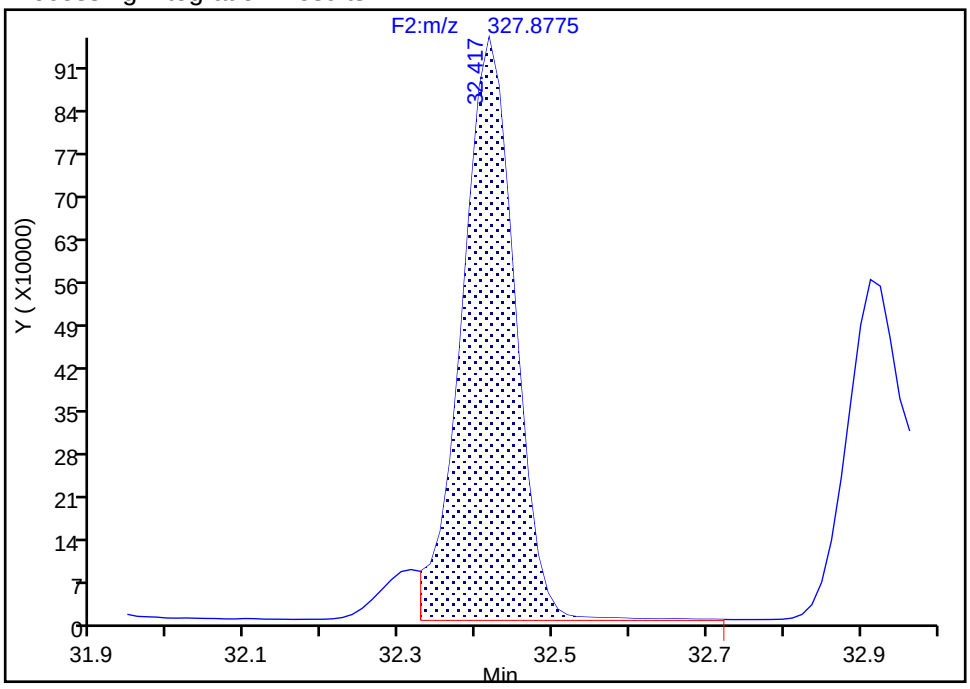
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

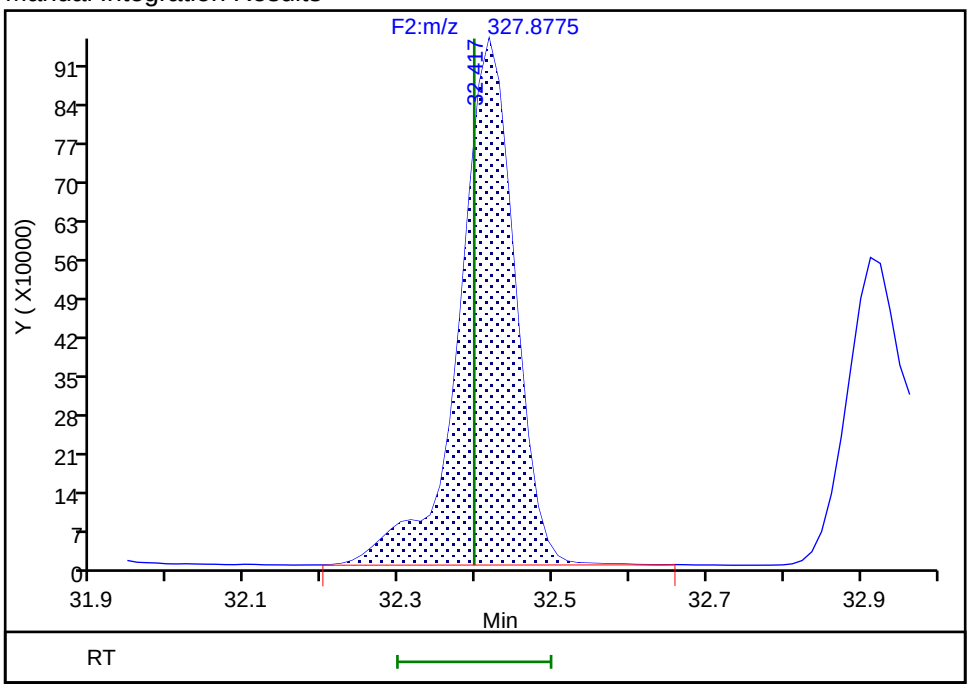
Processing Integration Results

RT: 32.42
Area: 4545367
Amount: 370.6877
Amount Units: pg/ul




Manual Integration Results

RT: 32.42
Area: 4790700
Amount: 391.3982
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:03:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

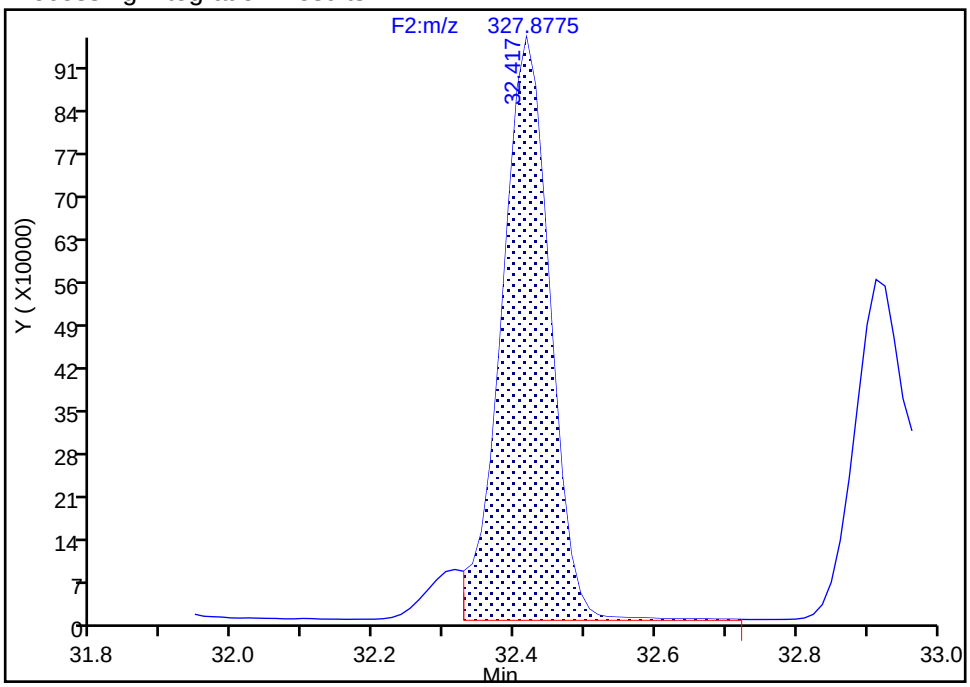
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.42
Area: 11649128
Amount: 370.6877
Amount Units: pg/ul




Manual Integration Results

RT: 32.42
Area: 12299970
Amount: 391.3982
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 20:03:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

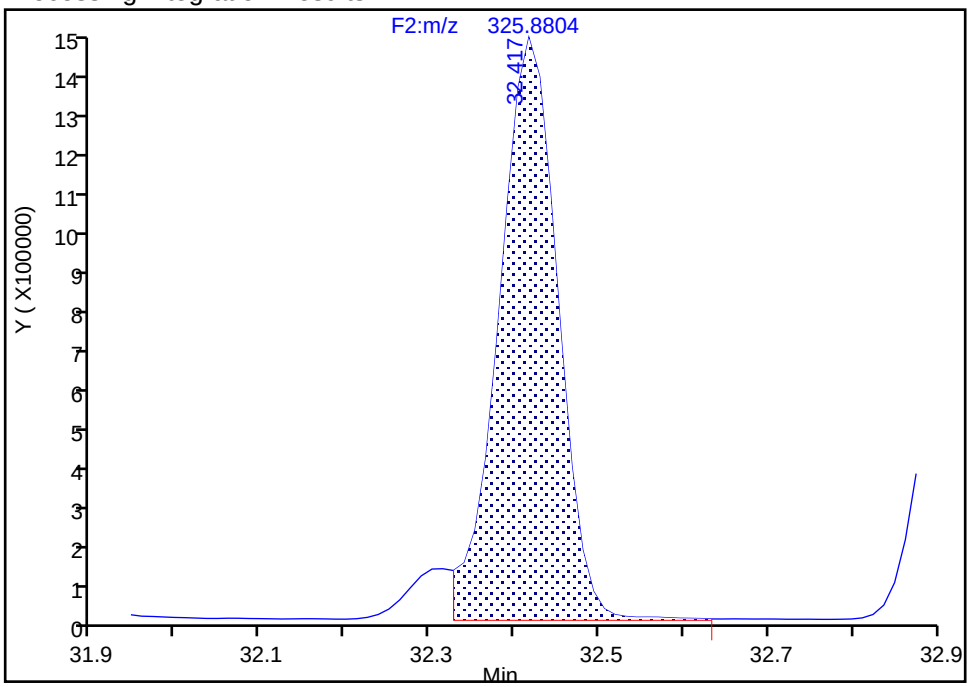
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

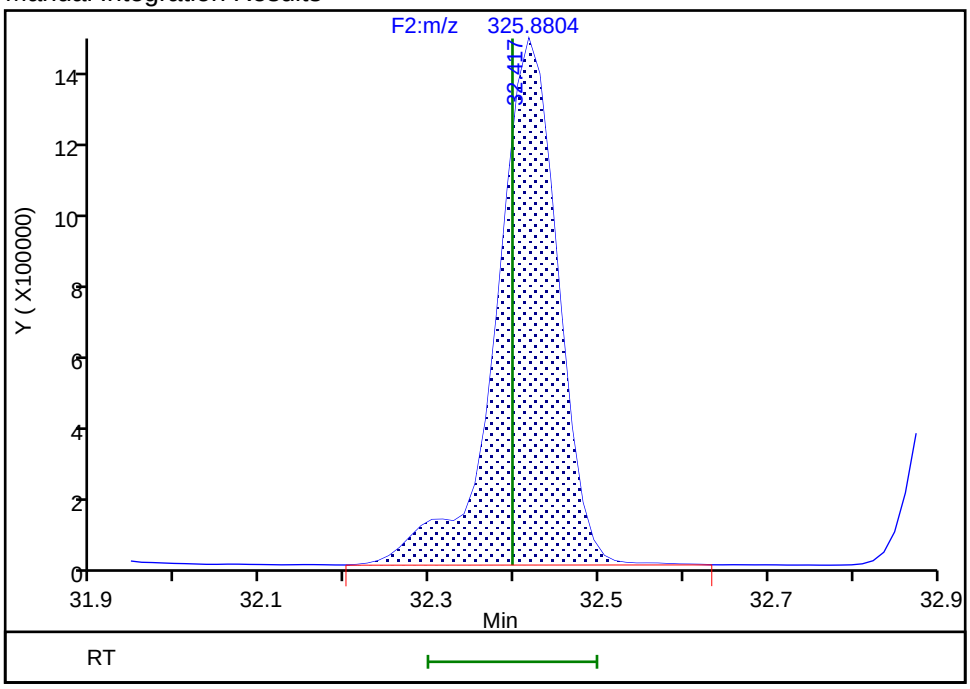
Processing Integration Results

RT: 32.42
Area: 7103761
Amount: 370.6877
Amount Units: pg/ul




Manual Integration Results

RT: 32.42
Area: 7509270
Amount: 391.3982
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:03:04

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

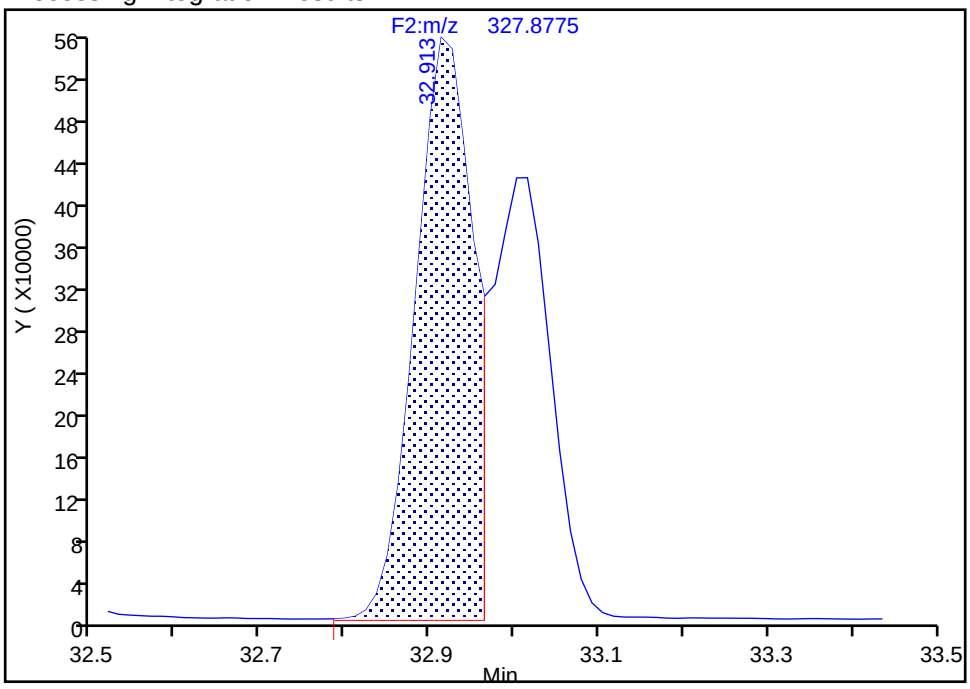
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

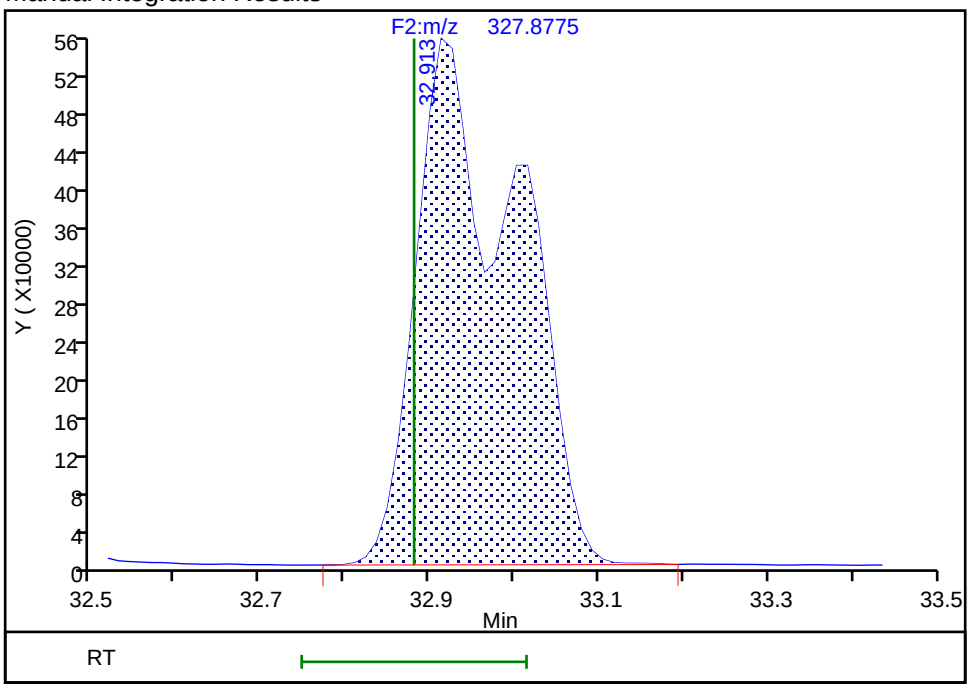
Processing Integration Results

RT: 32.91
Area: 2595289
Amount: 167.8834
Amount Units: pg/ul




Manual Integration Results

RT: 32.91
Area: 4583781
Amount: 297.1319
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:03:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

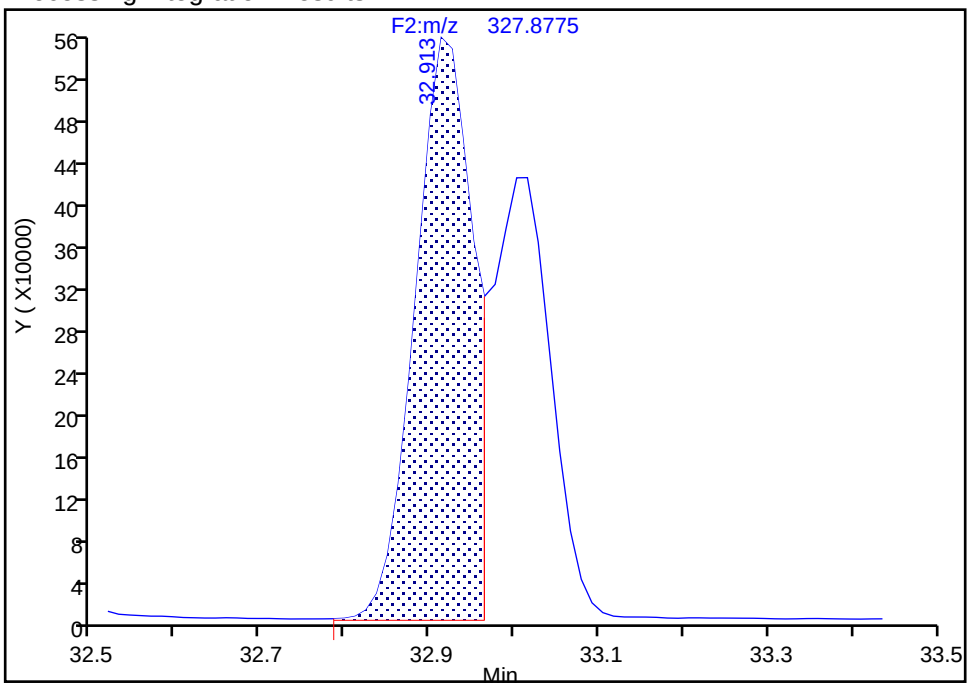
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.91
Area: 6716295
Amount: 167.8834
Amount Units: pg/ul




Manual Integration Results

RT: 32.91
Area: 11886977
Amount: 297.1319
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 20:03:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

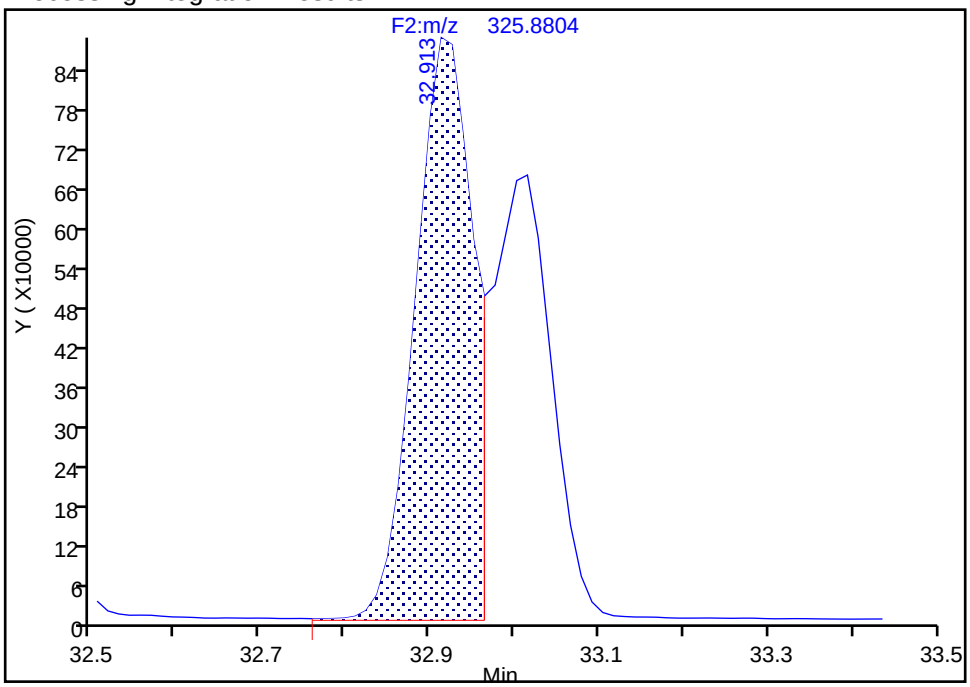
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

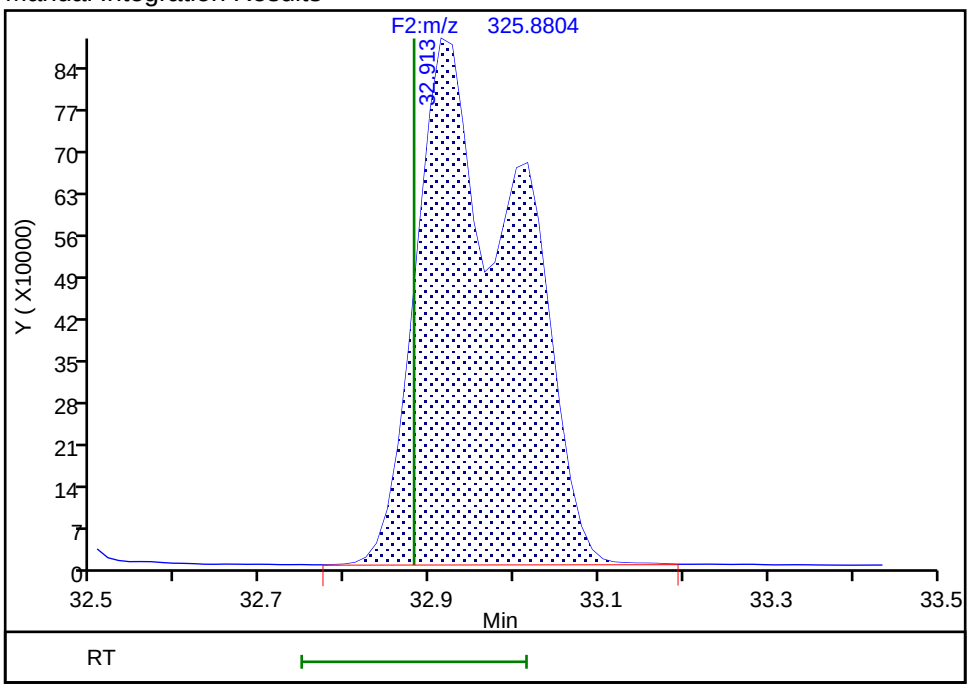
Processing Integration Results

RT: 32.91
Area: 4121006
Amount: 167.8834
Amount Units: pg/ul




Manual Integration Results

RT: 32.91
Area: 7303196
Amount: 297.1319
Amount Units: pg/ul



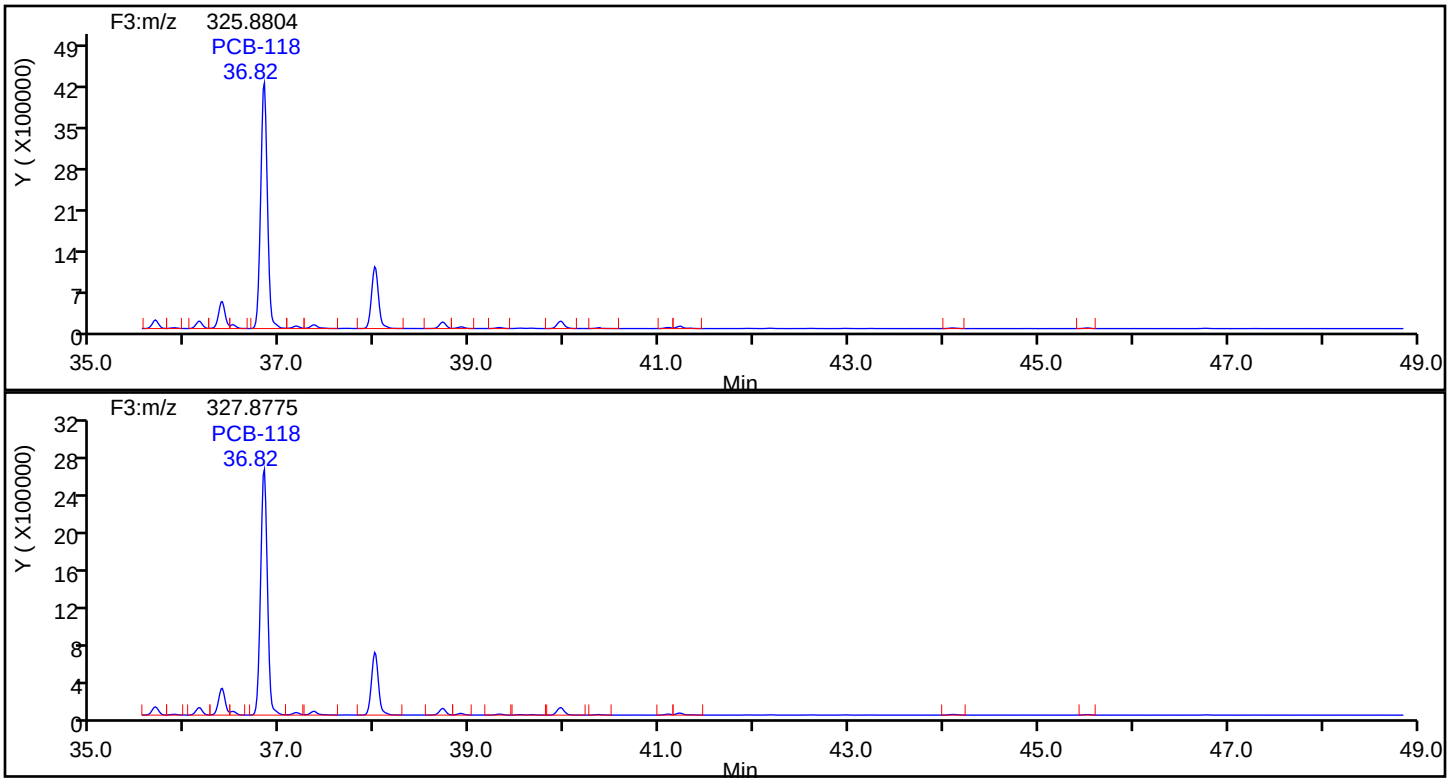

Reviewer: mcwhirterl, 09-Oct-2019 20:03:20

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

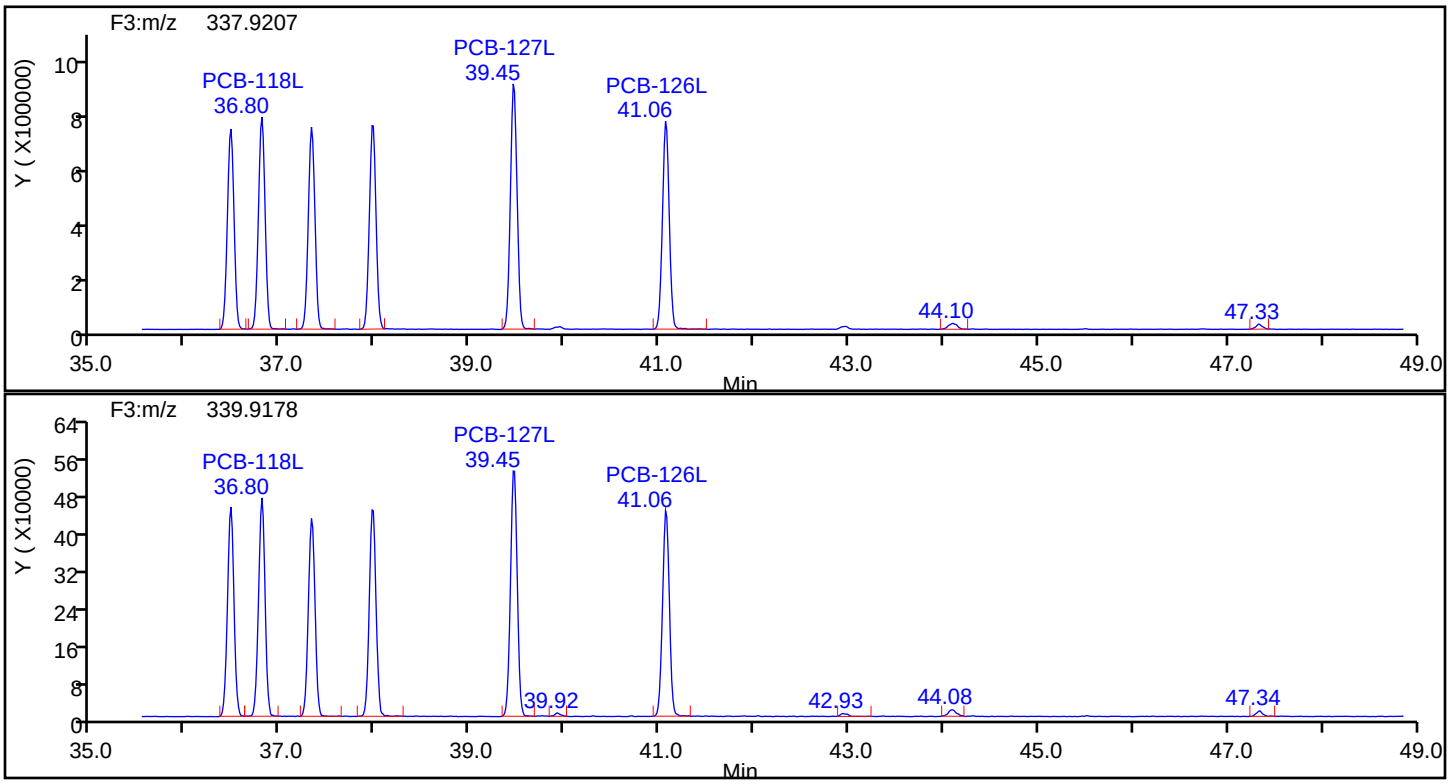
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



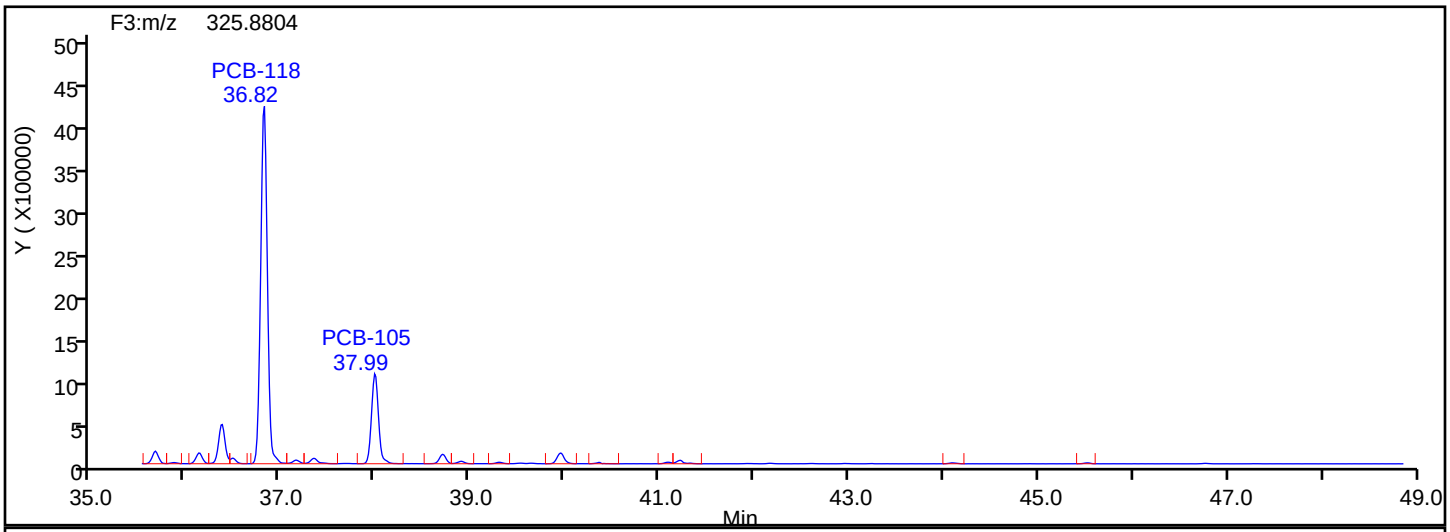

PePCB F3 Standards

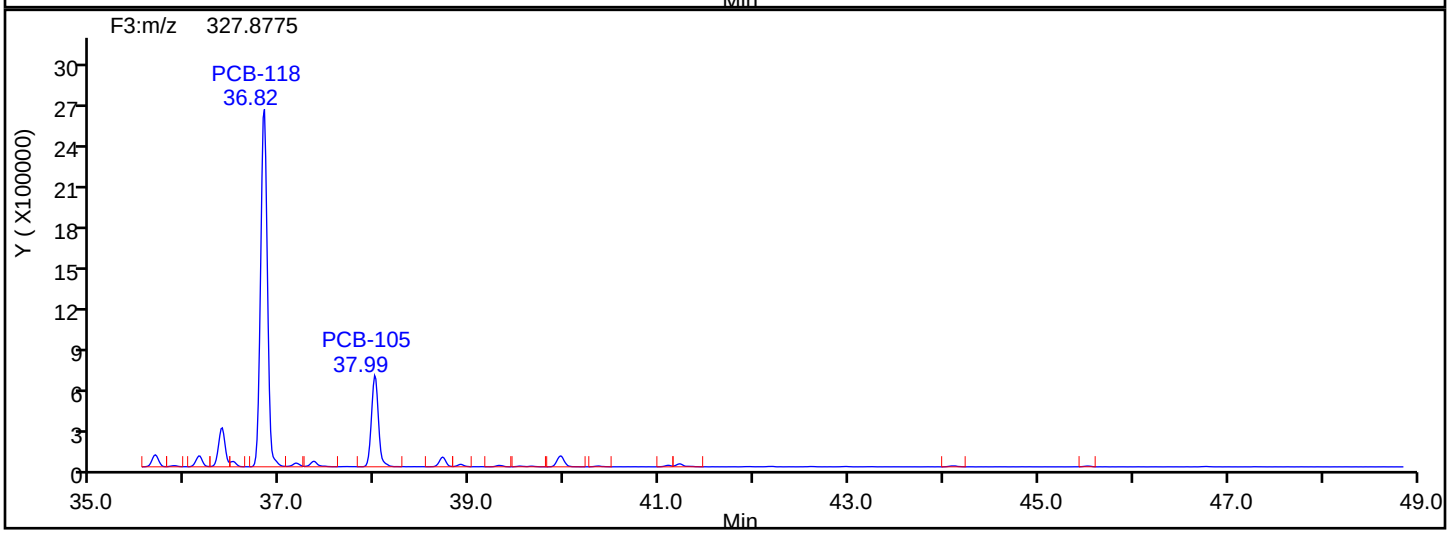


Eurofins TestAmerica, Knoxville

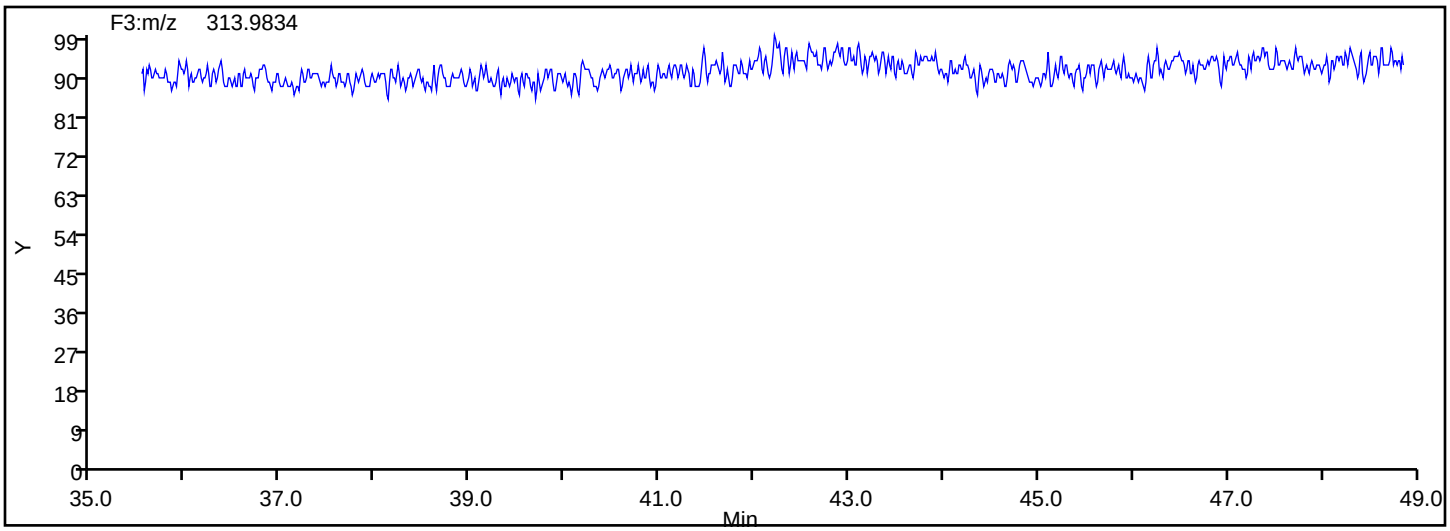
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

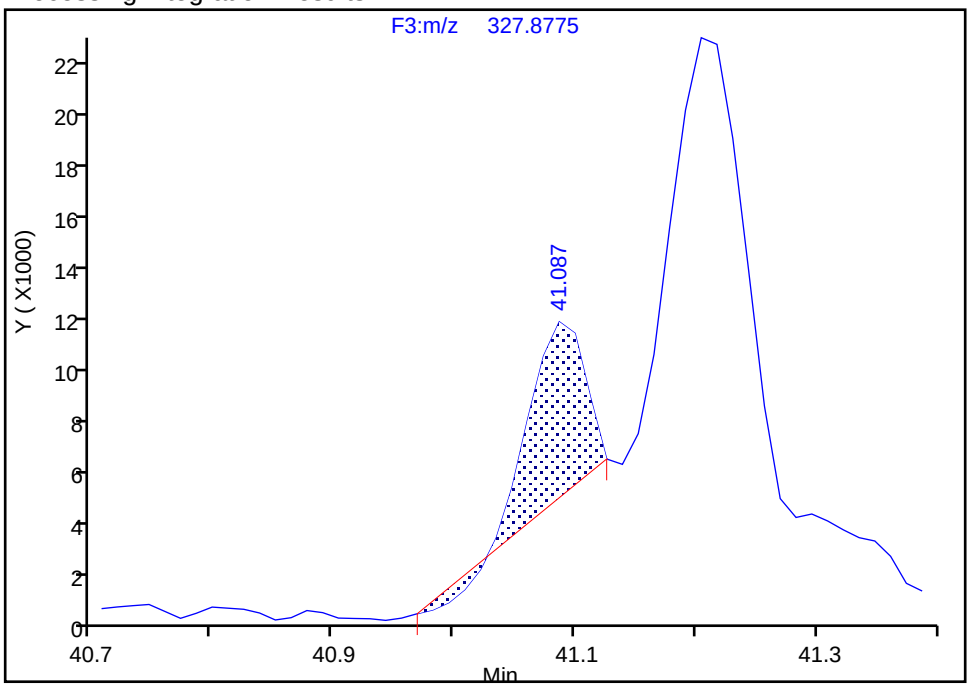
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

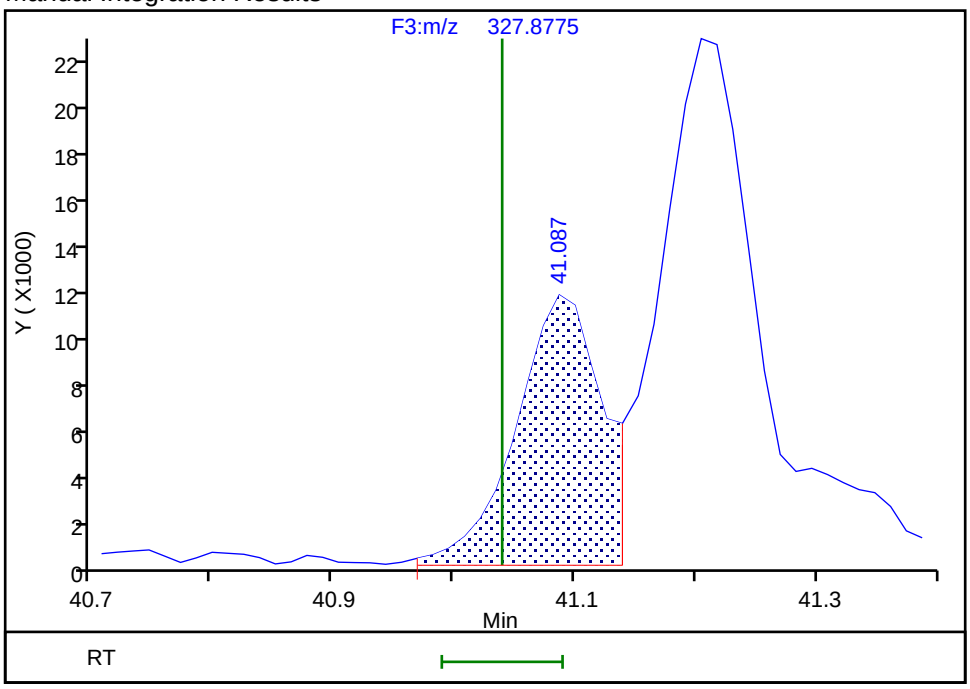
Processing Integration Results

RT: 41.09
Area: 19745
Amount: 1.362167
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 54398
Amount: 1.804020
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:03:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

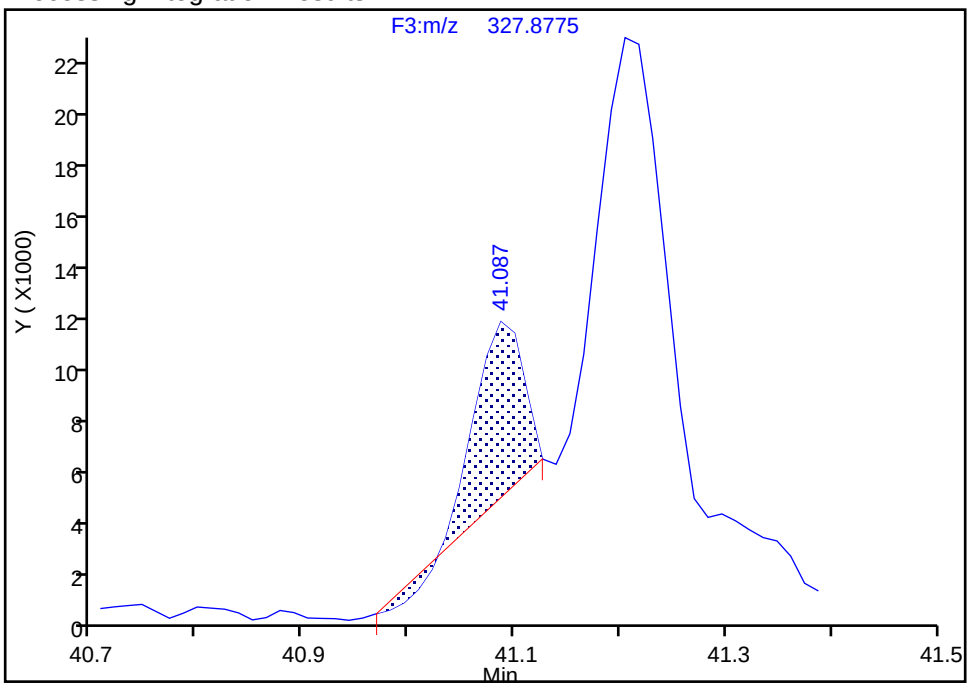
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 3

Processing Integration Results

RT: 41.09
Area: 106830
Amount: 1.362167
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 141483
Amount: 1.804020
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 20:03:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

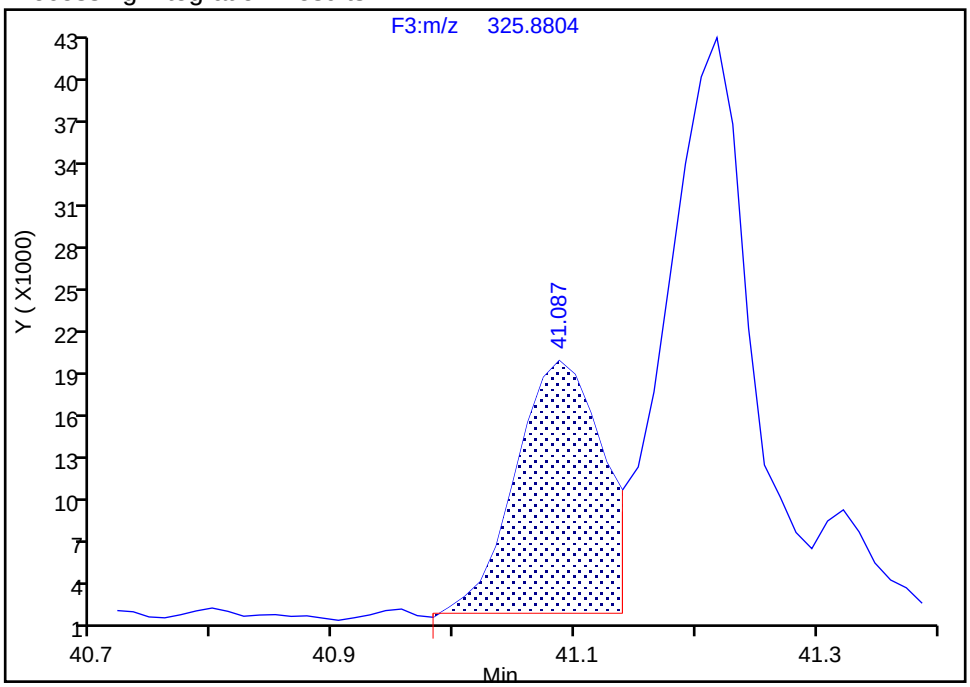
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

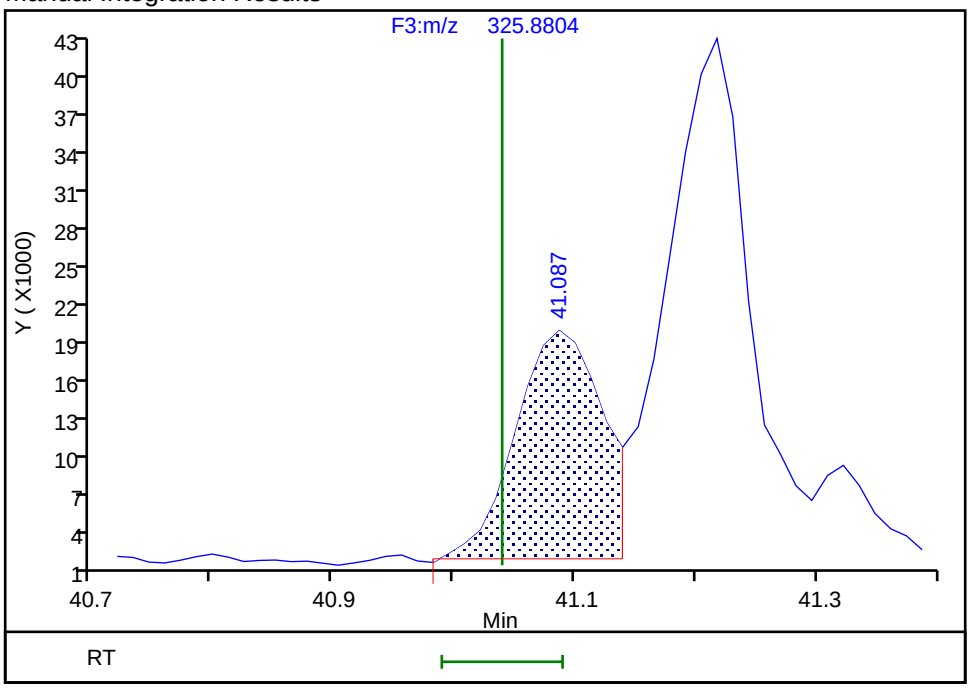
Processing Integration Results

RT: 41.09
Area: 87085
Amount: 1.362167
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 87085
Amount: 1.804020
Amount Units: pg/ul



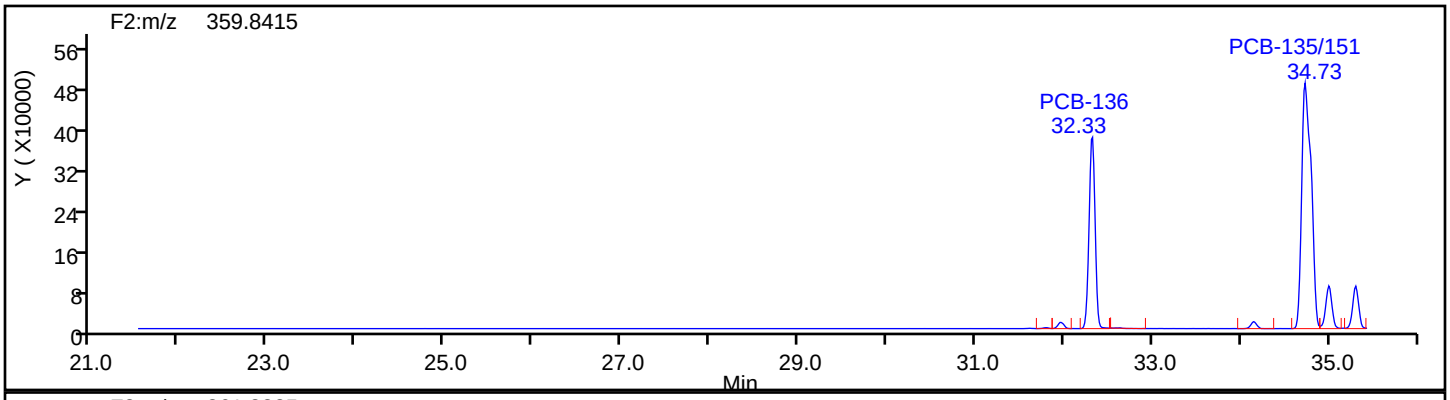

Reviewer: mcwhirterl, 09-Oct-2019 20:04:01

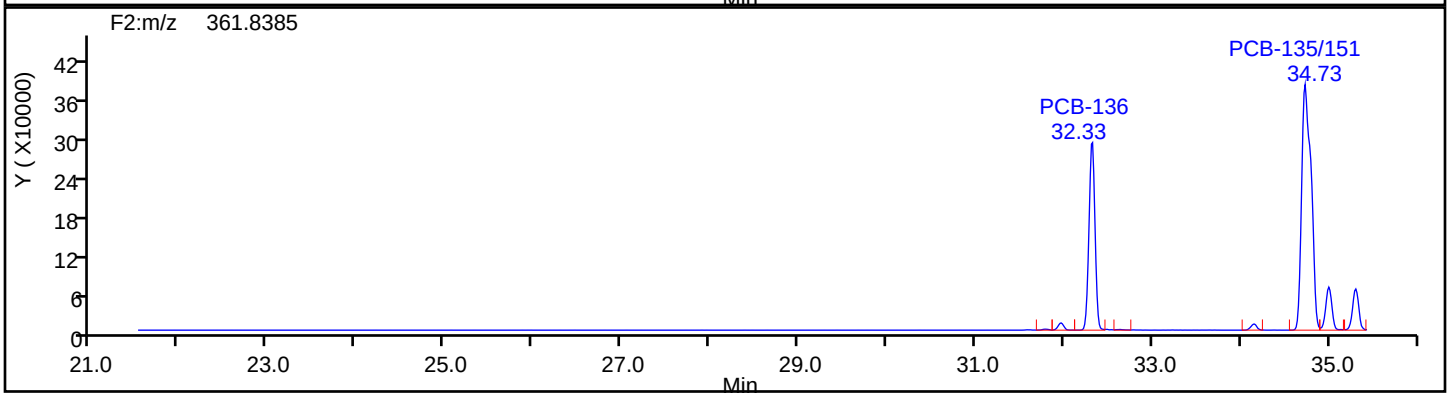
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

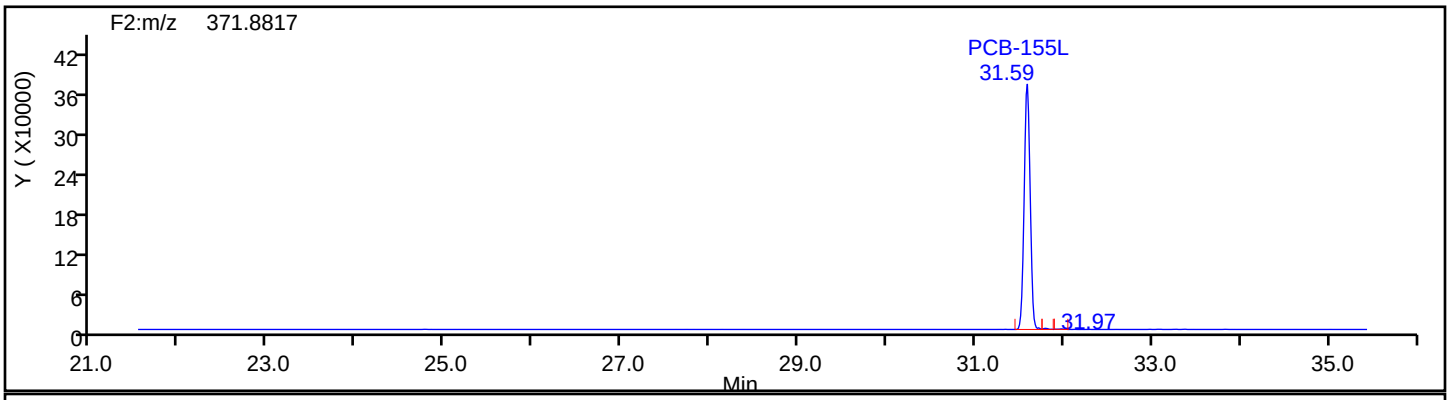
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

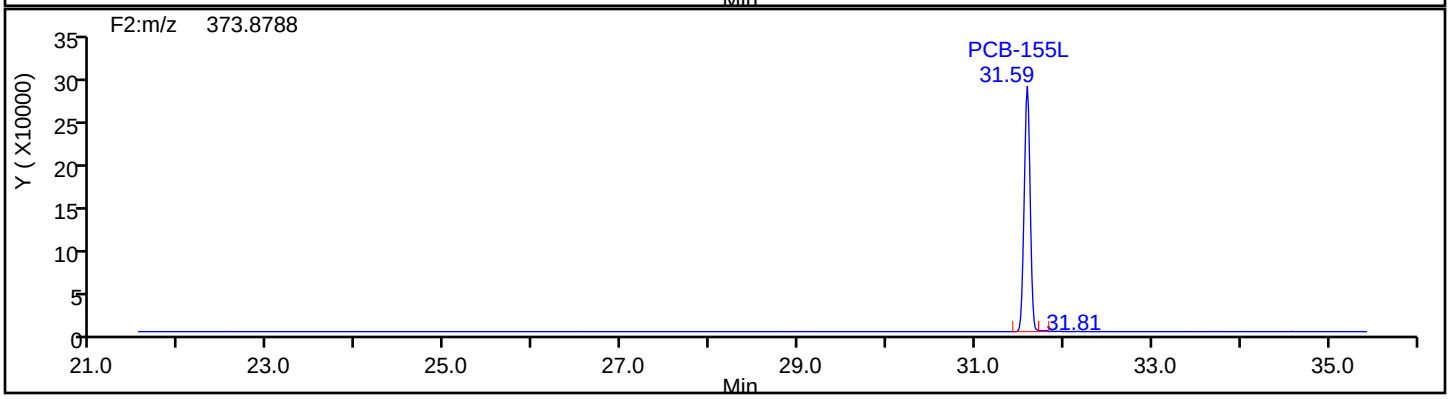
HxPCB F2




HxPCB F2 Standards

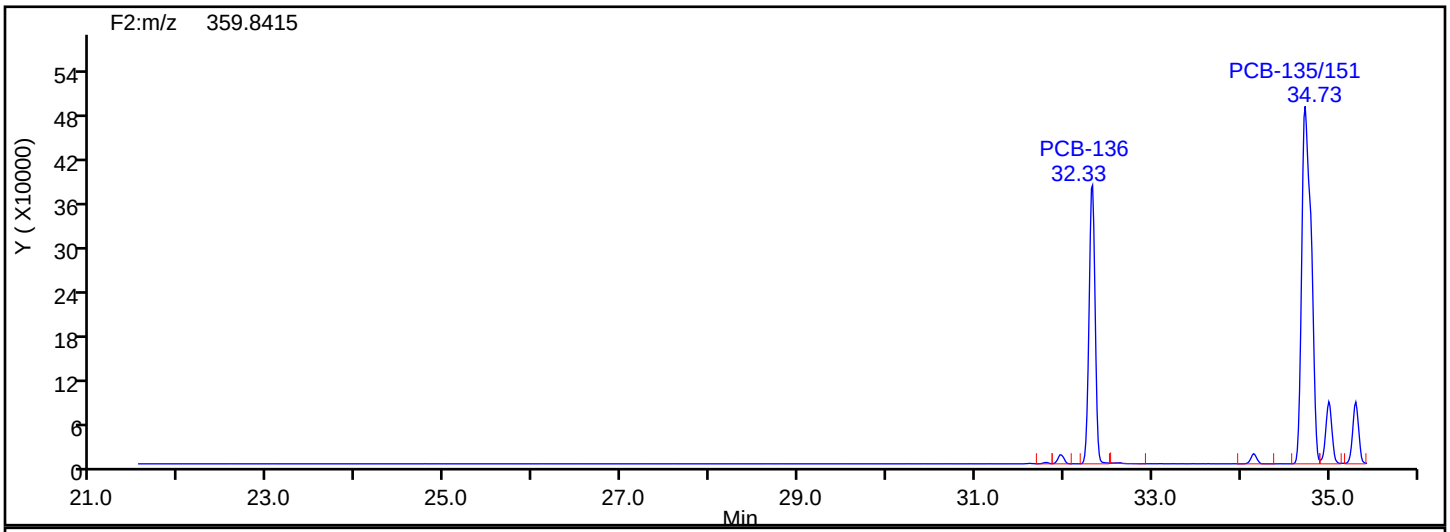


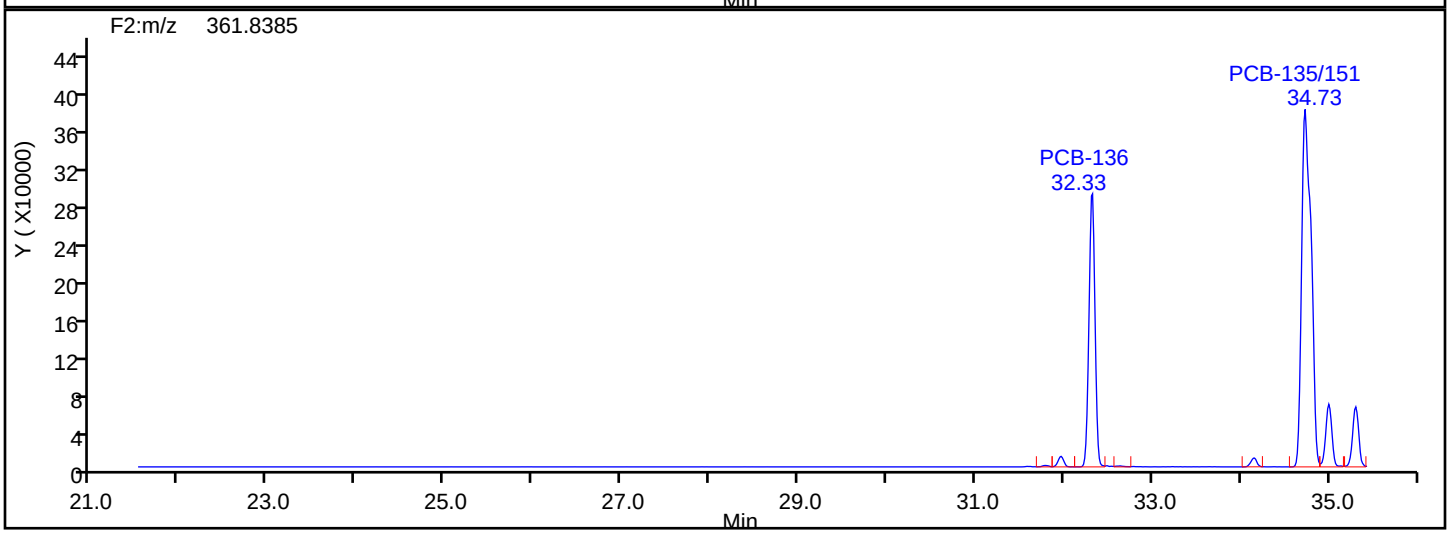



Eurofins TestAmerica, Knoxville

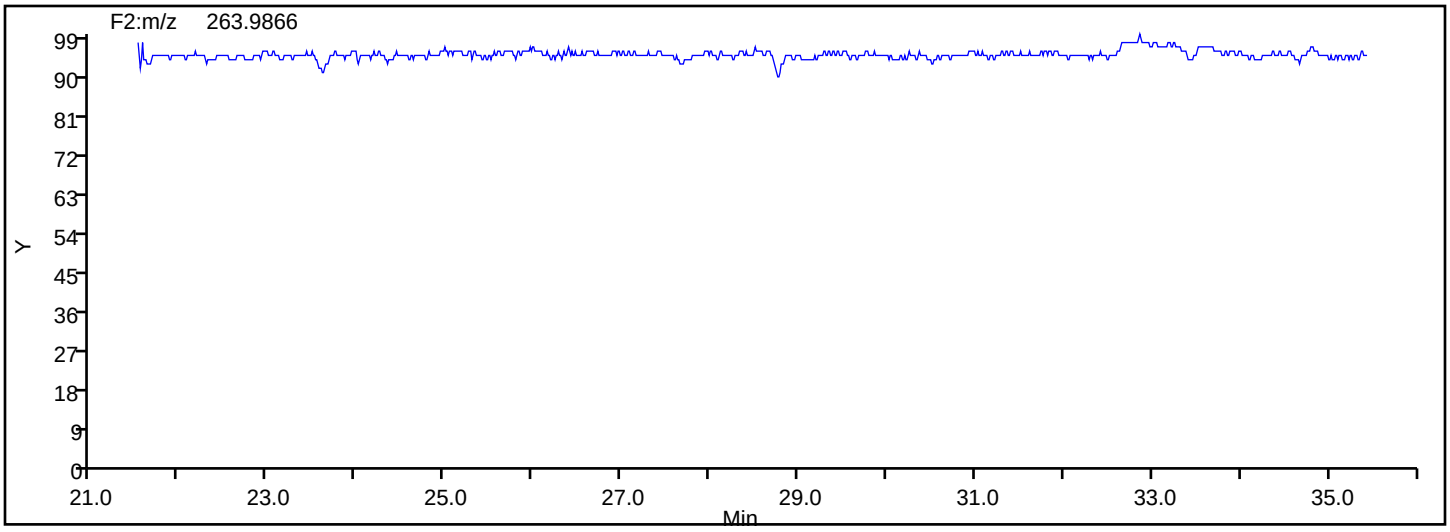
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass

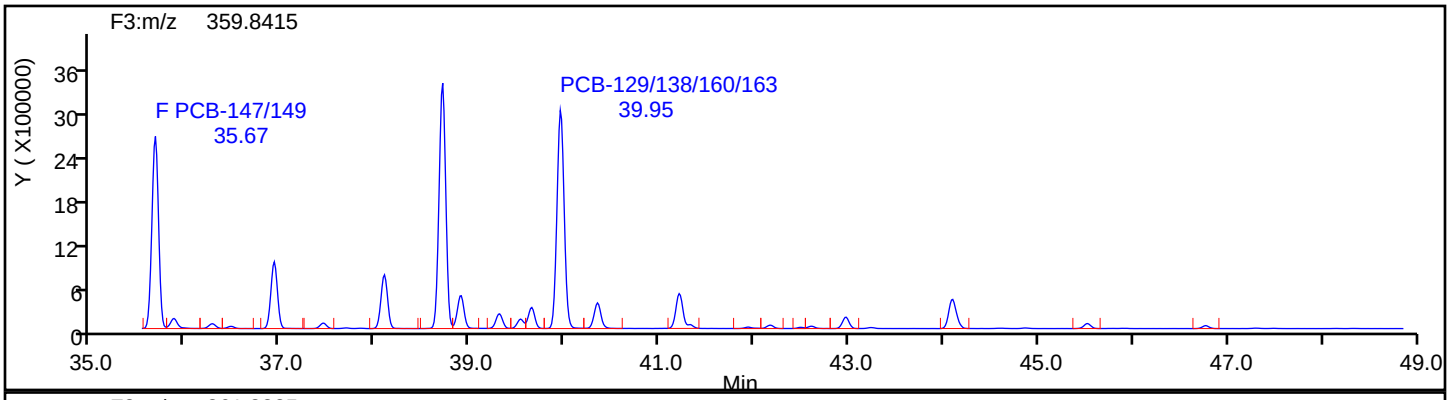


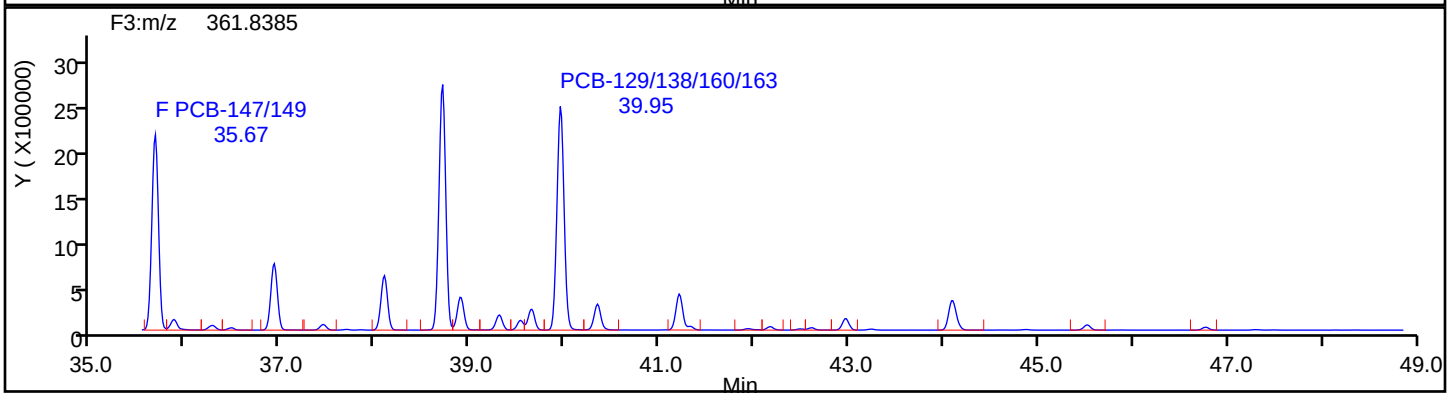
Report Date: 09-Oct-2019 20:06:40 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

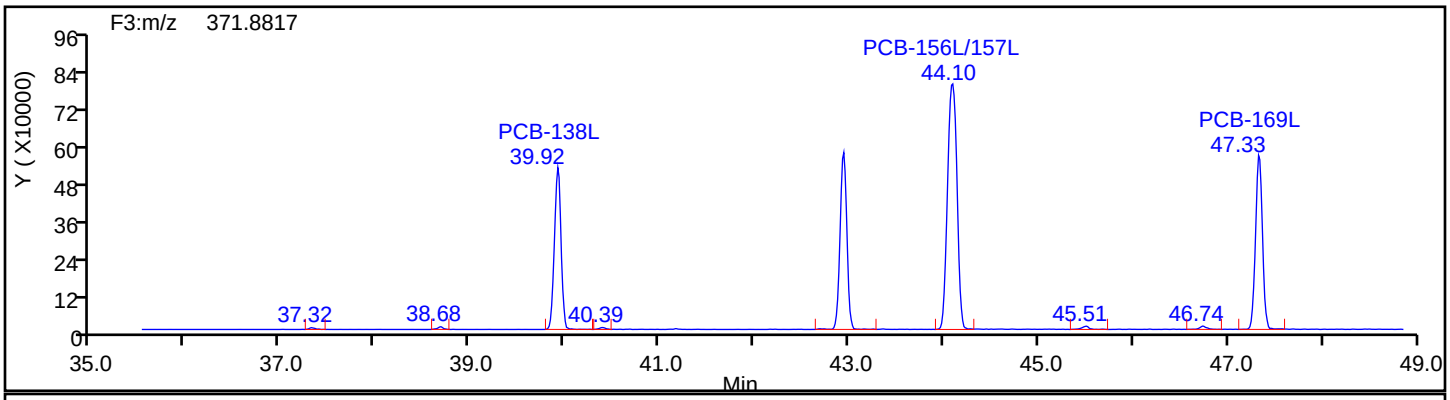
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

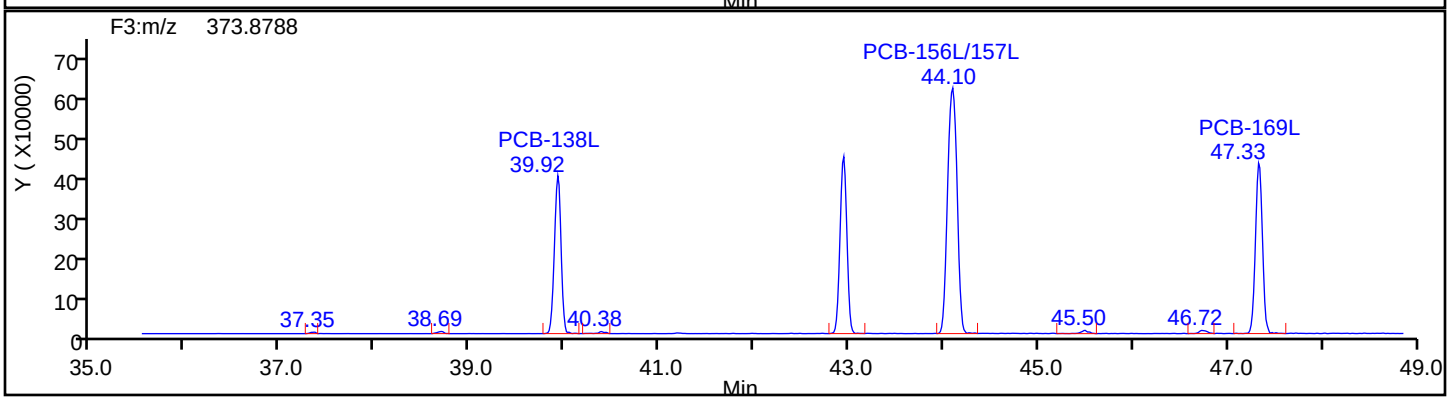
HxPCB F3




HxPCB F3 Standards

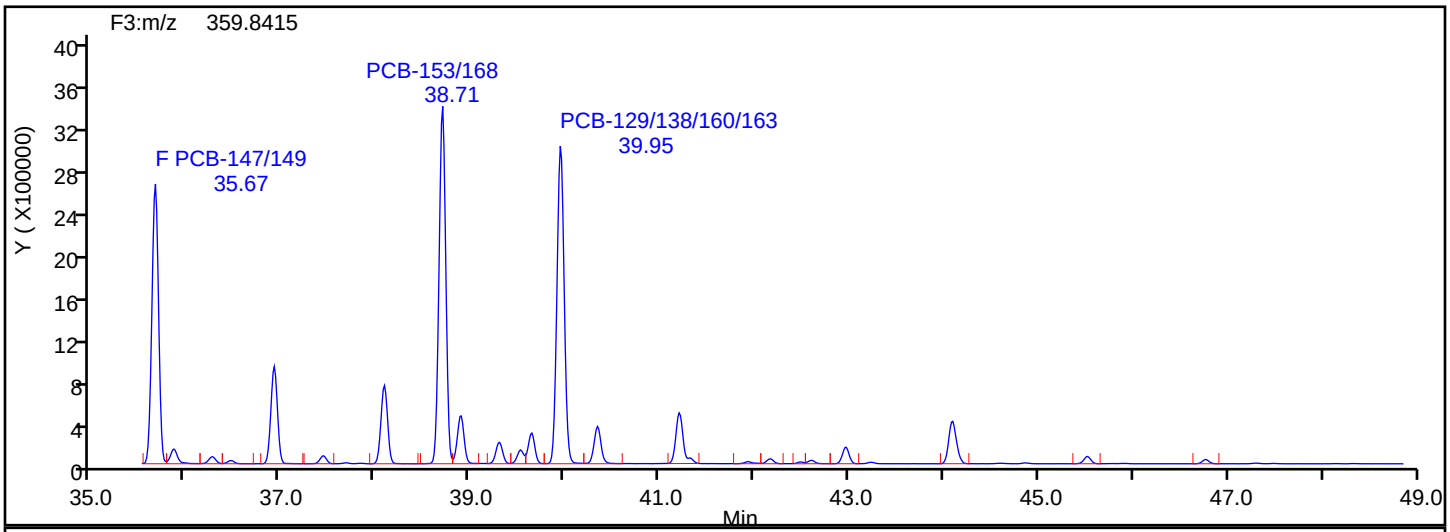


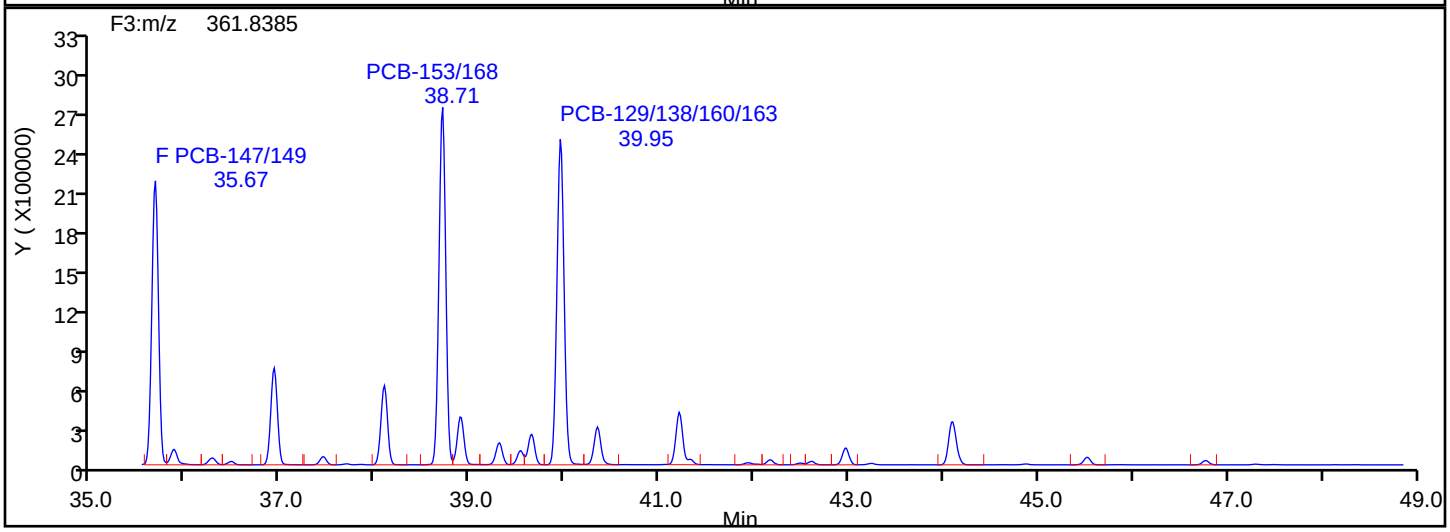



Eurofins TestAmerica, Knoxville

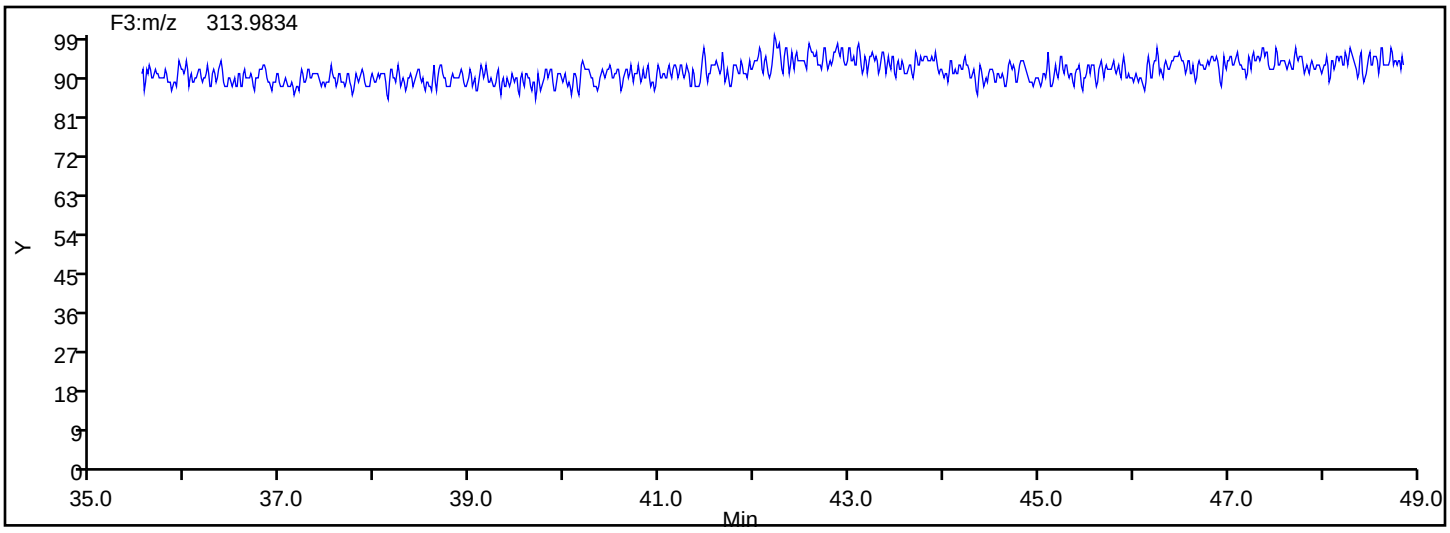
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

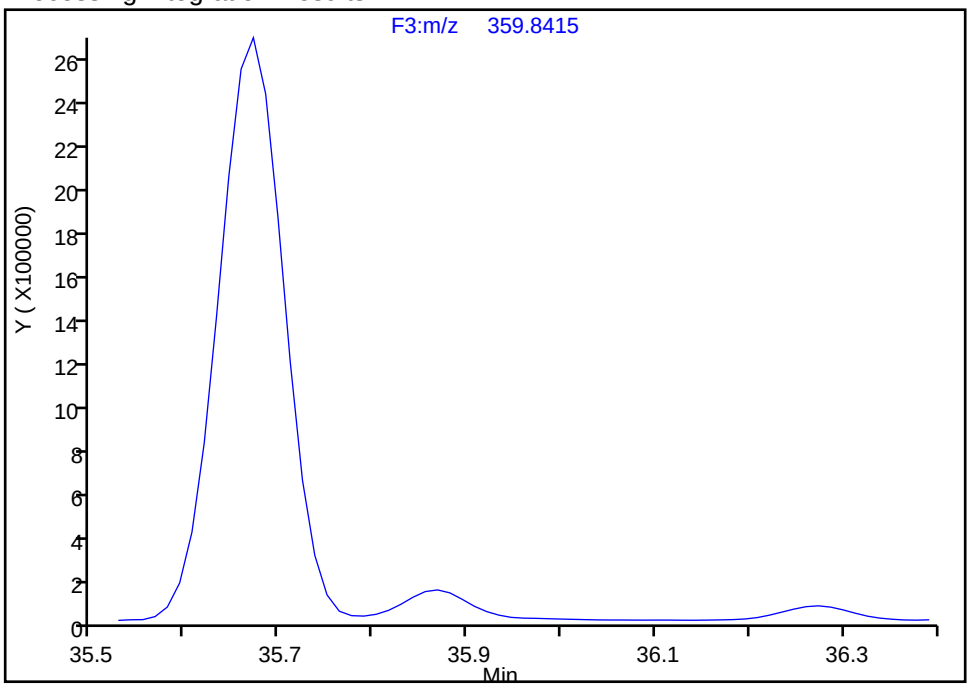
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

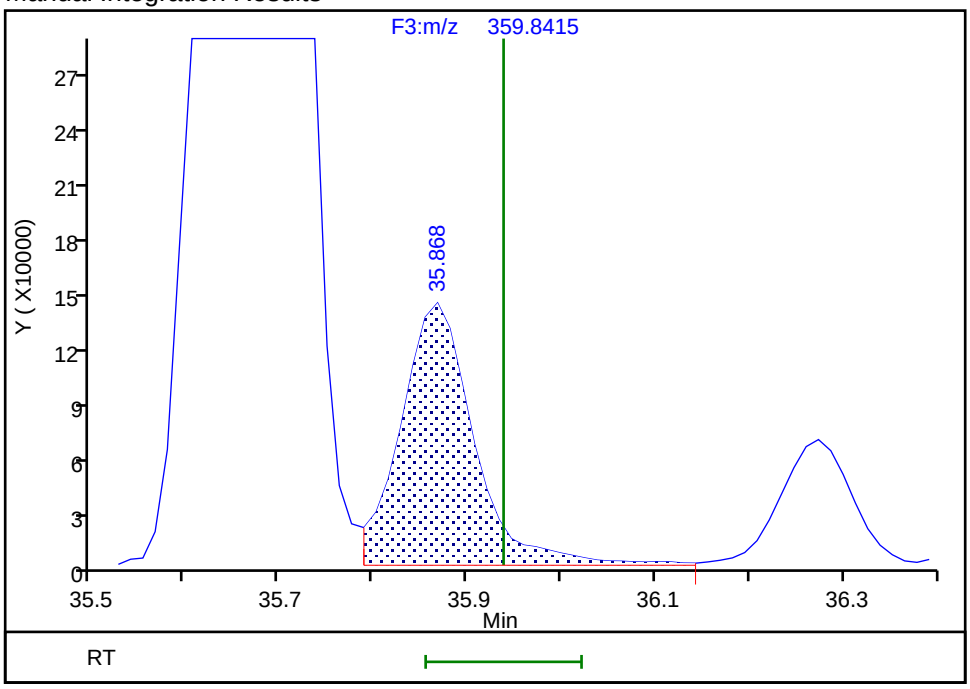
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.87
Area: 755974
Amount: 31.849738
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:04:34
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

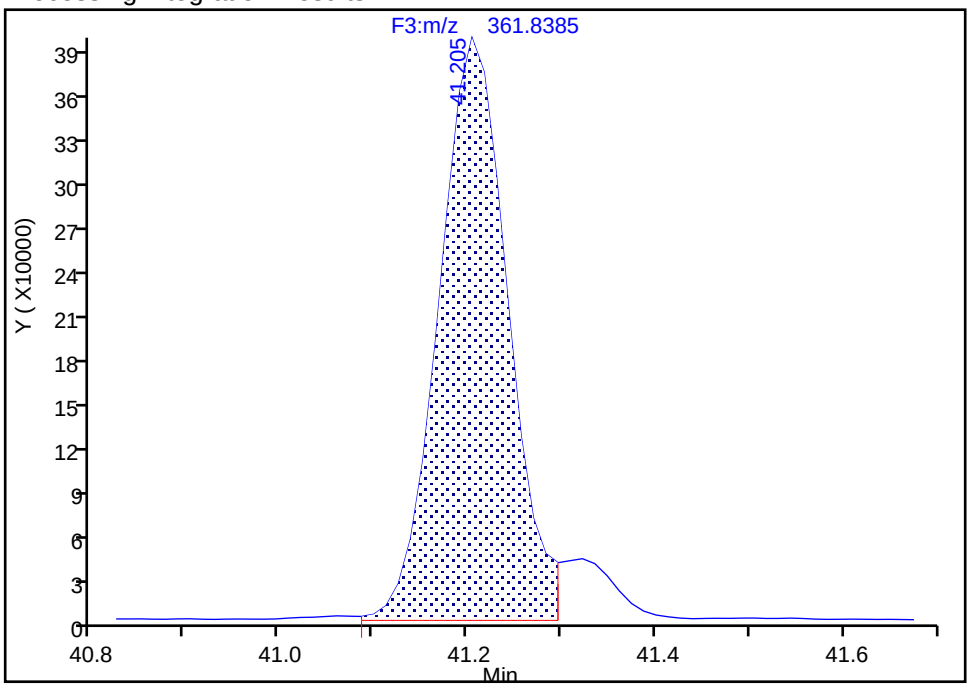
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

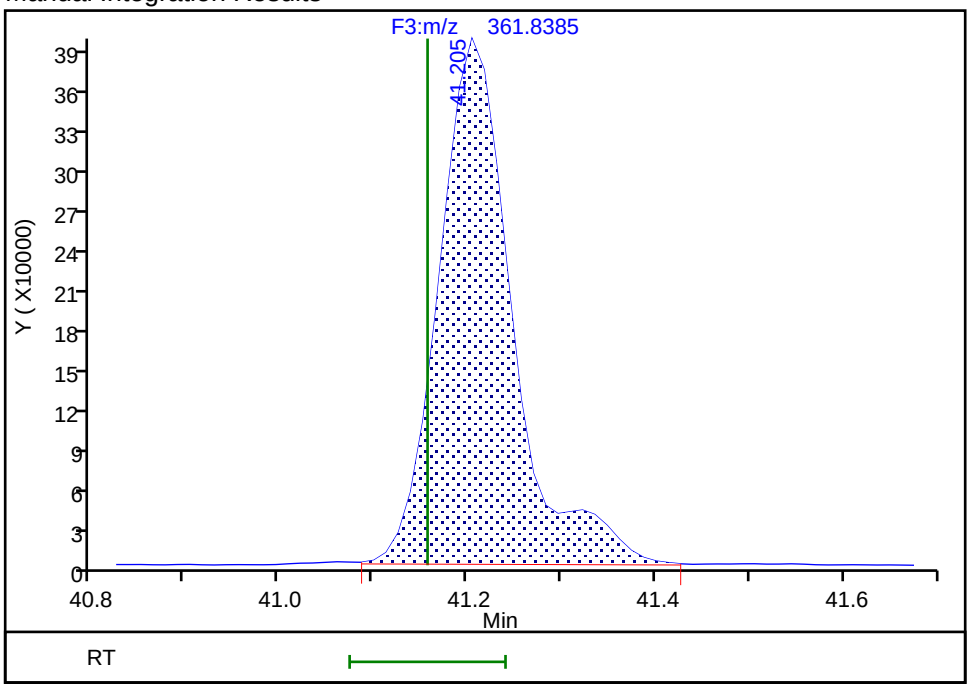
Processing Integration Results

RT: 41.20
Area: 2001685
Amount: 80.182068
Amount Units: pg/ul




Manual Integration Results

RT: 41.20
Area: 2148324
Amount: 85.874147
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:05:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

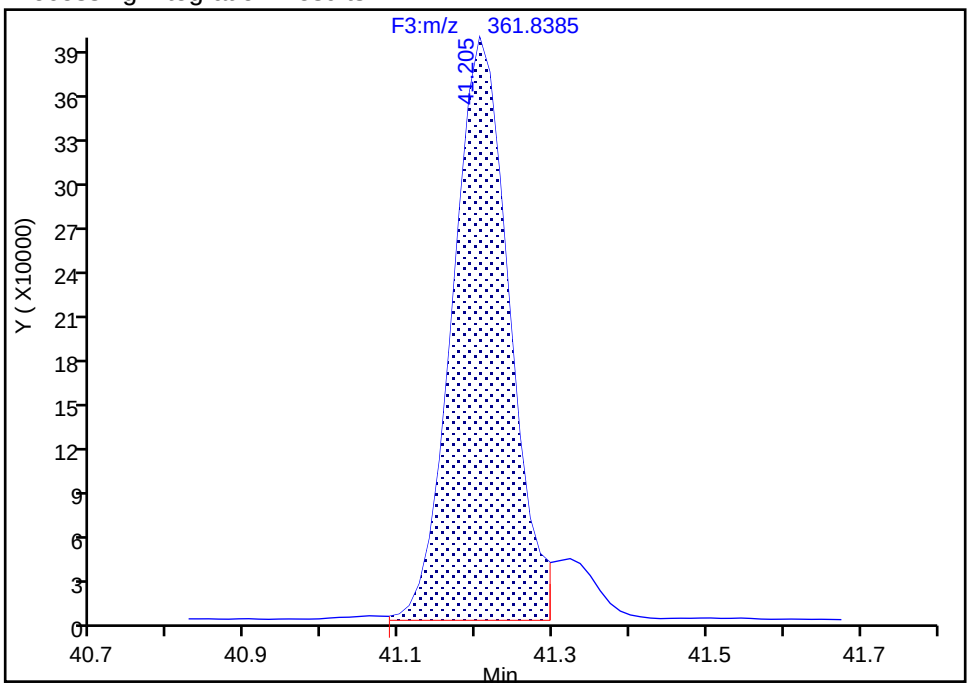
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 3

Processing Integration Results

RT: 41.20
Area: 4523716
Amount: 80.182068
Amount Units: pg/ul




Manual Integration Results

RT: 41.20
Area: 4844852
Amount: 85.874147
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 20:05:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

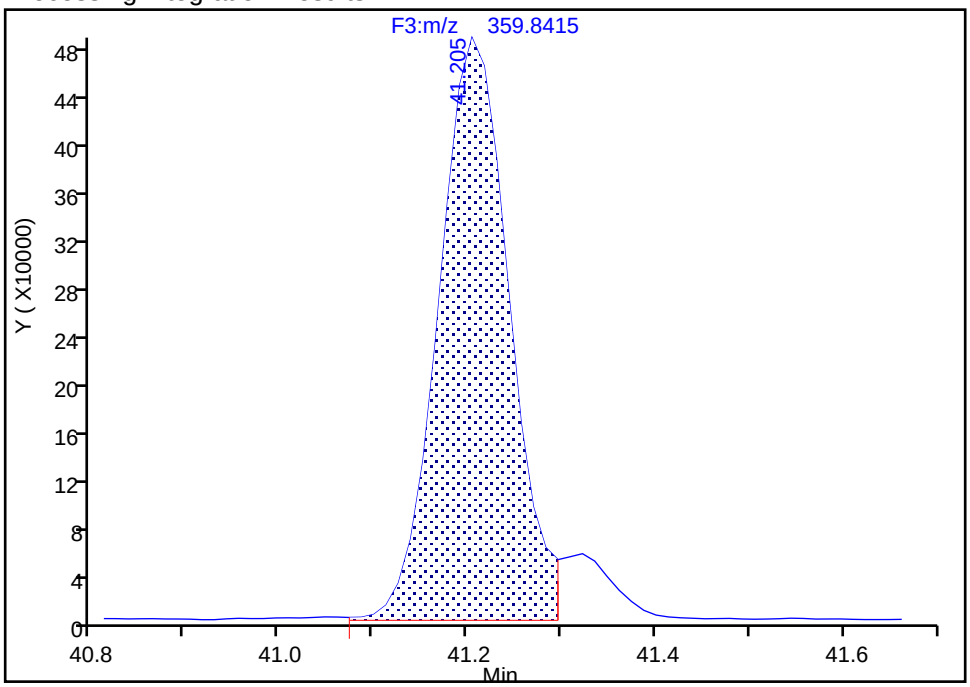
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

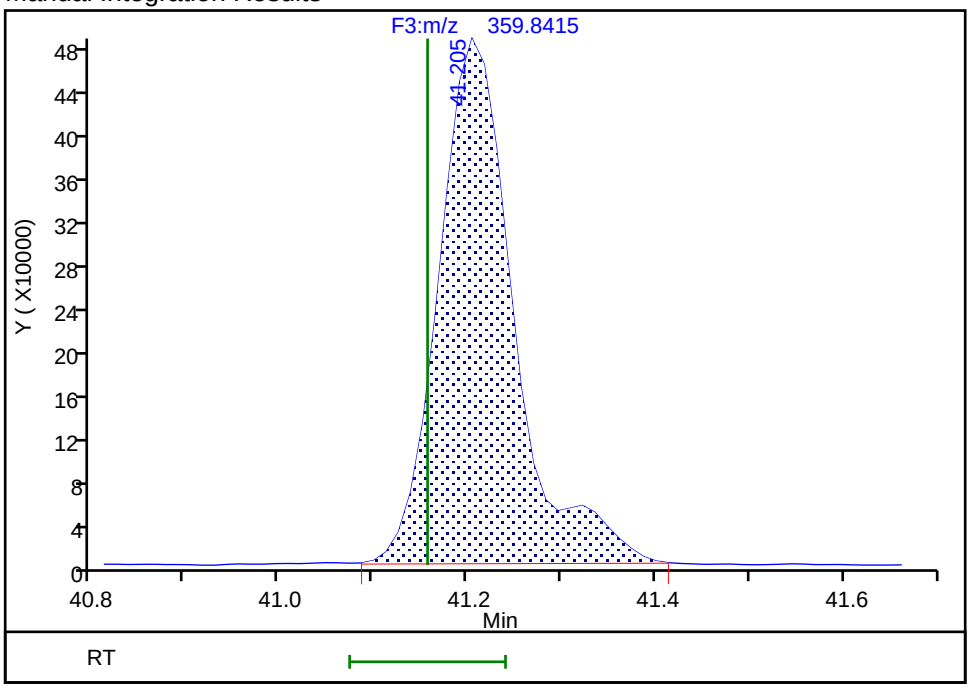
Processing Integration Results

RT: 41.20
Area: 2522031
Amount: 80.182068
Amount Units: pg/ul




Manual Integration Results

RT: 41.20
Area: 2696528
Amount: 85.874147
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:05:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

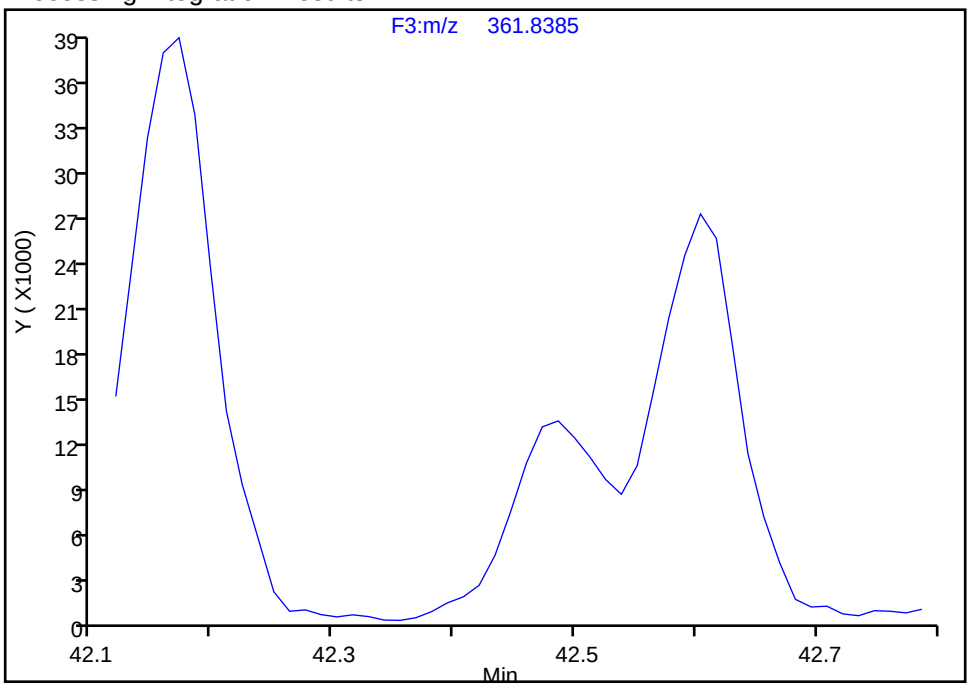
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

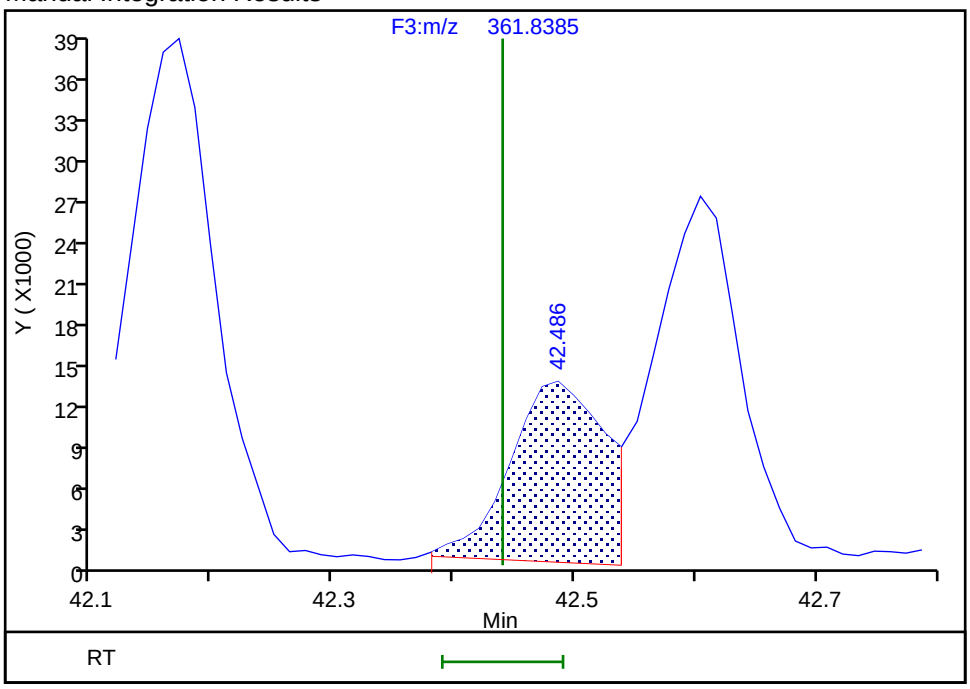
Not Detected
Expected RT: 42.44

Processing Integration Results




Manual Integration Results

RT: 42.49
Area: 68967
Amount: 2.235439
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 20:05:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

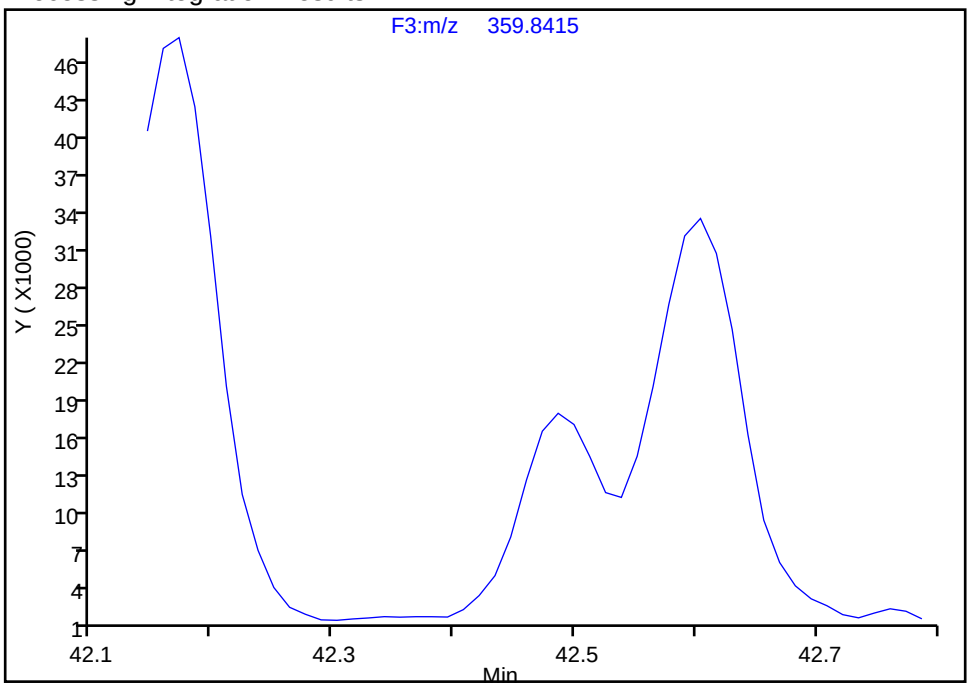
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-F | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

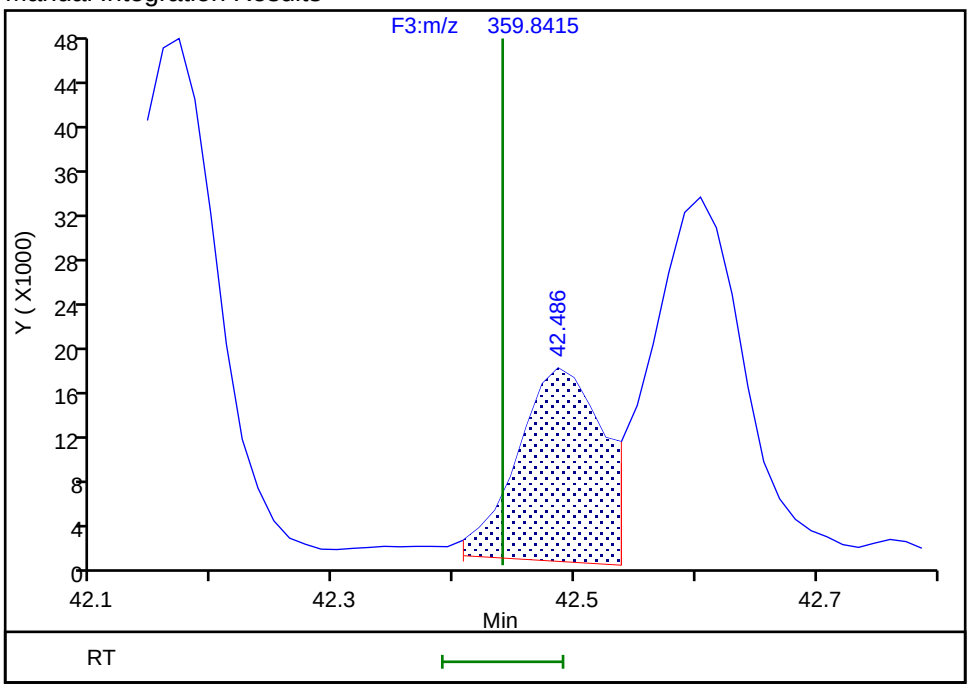
Not Detected
Expected RT: 42.44

Processing Integration Results




Manual Integration Results

RT: 42.49
Area: 84917
Amount: 2.235439
Amount Units: pg/ul

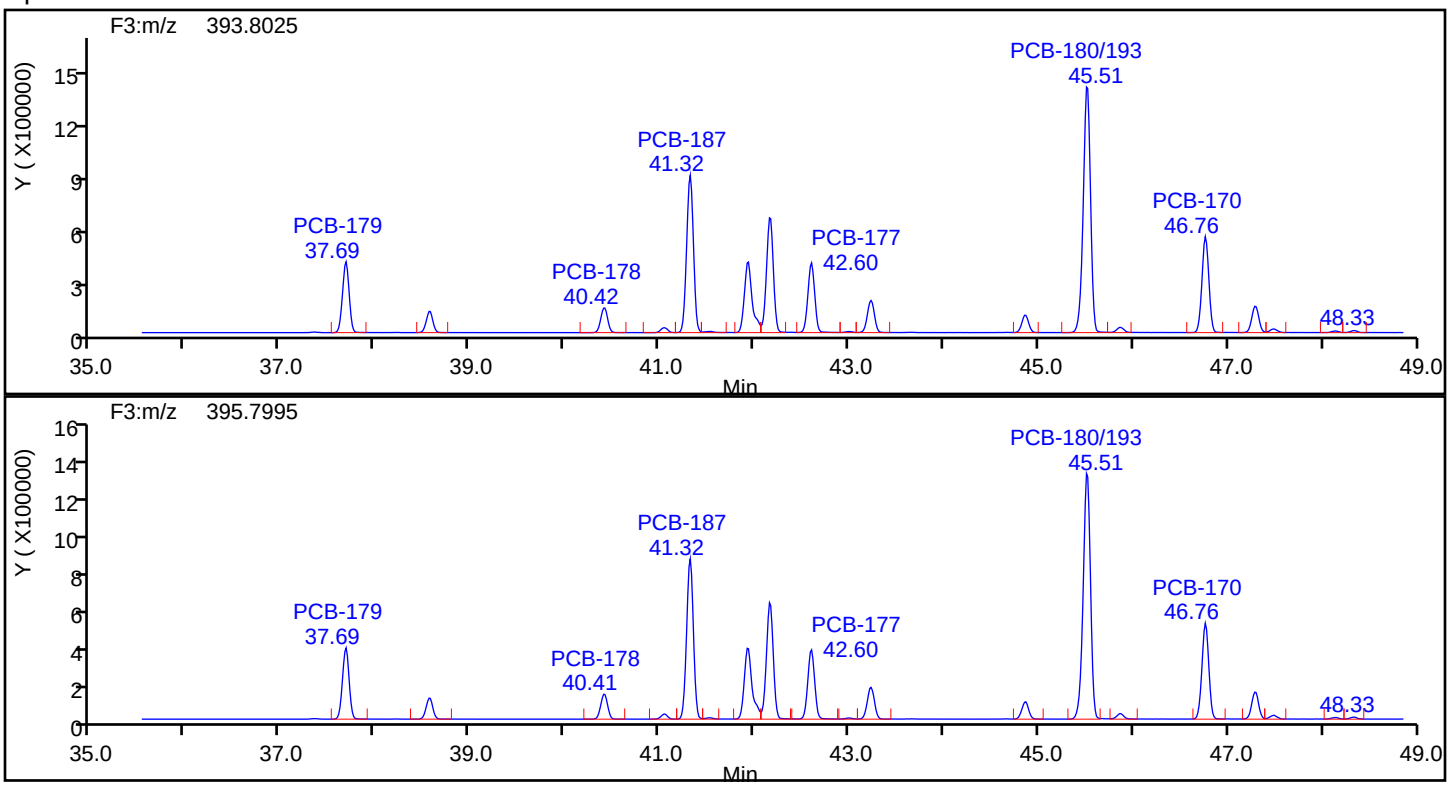



Reviewer: mcwhirterl, 09-Oct-2019 20:05:48
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

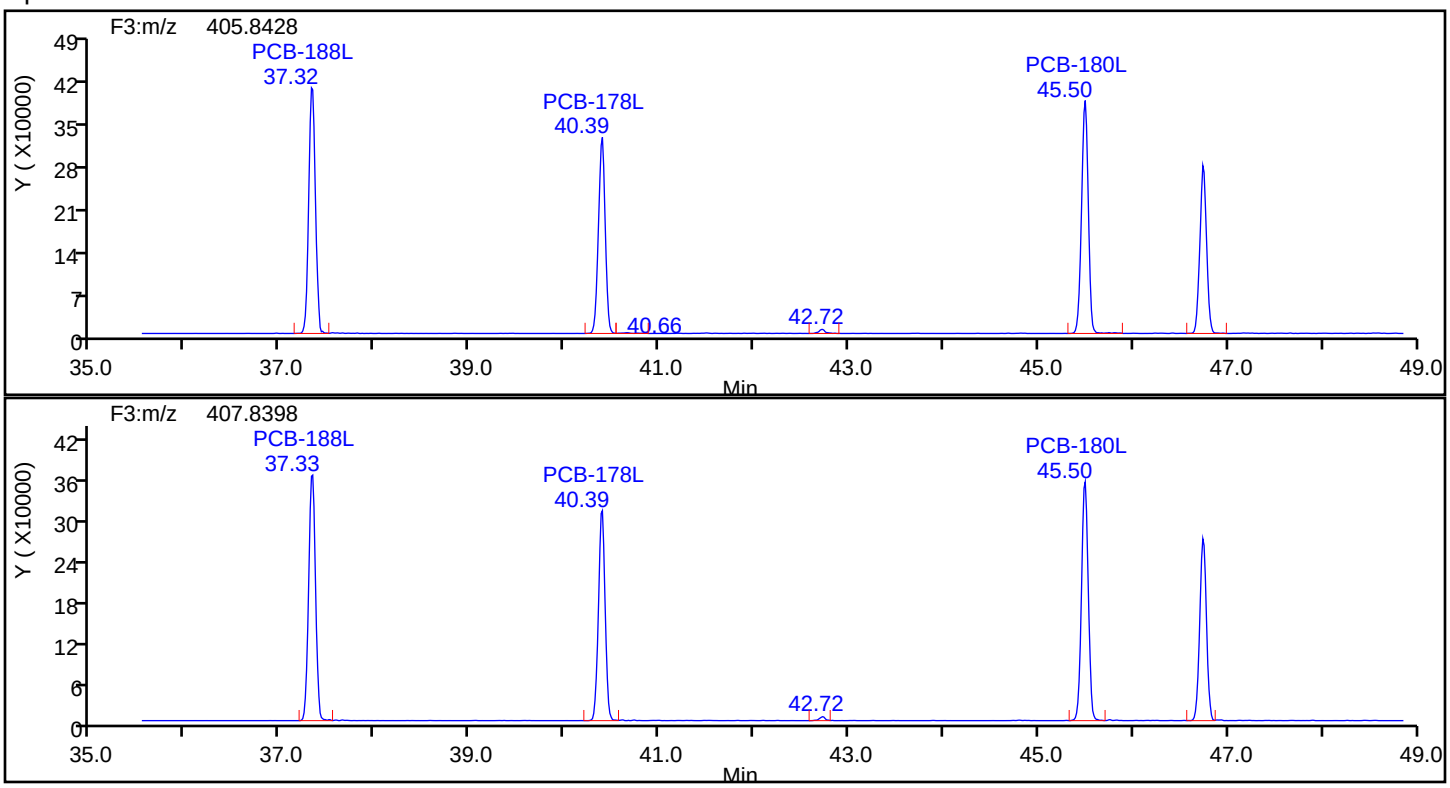
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



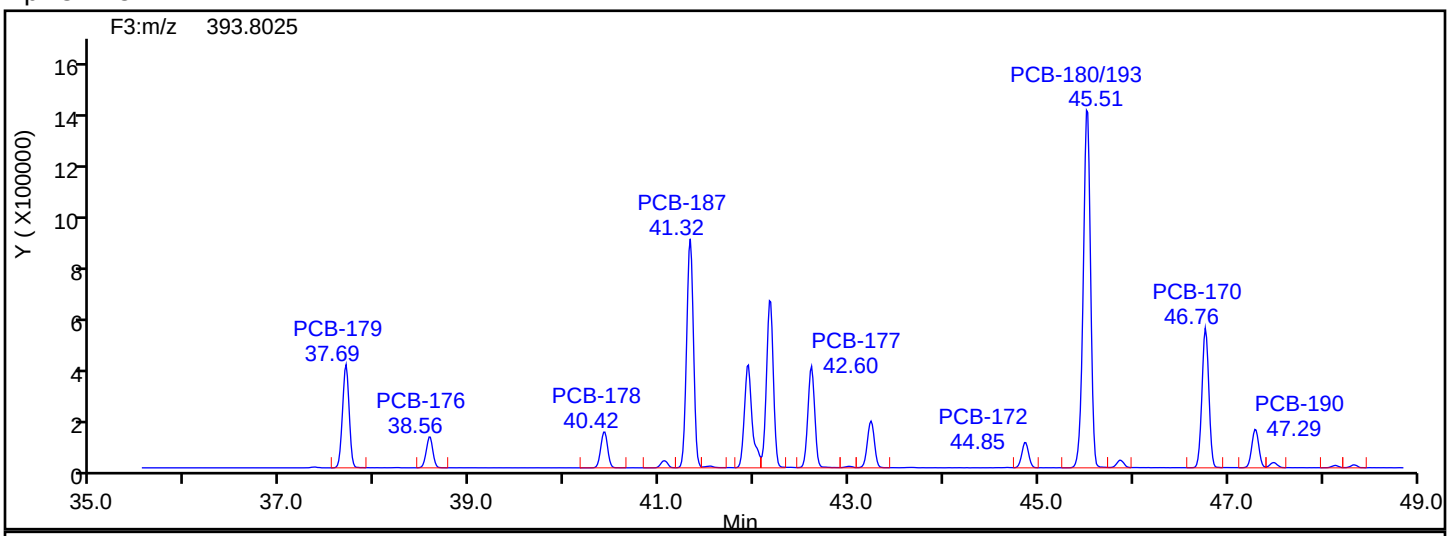

HpPCB F3 Standards

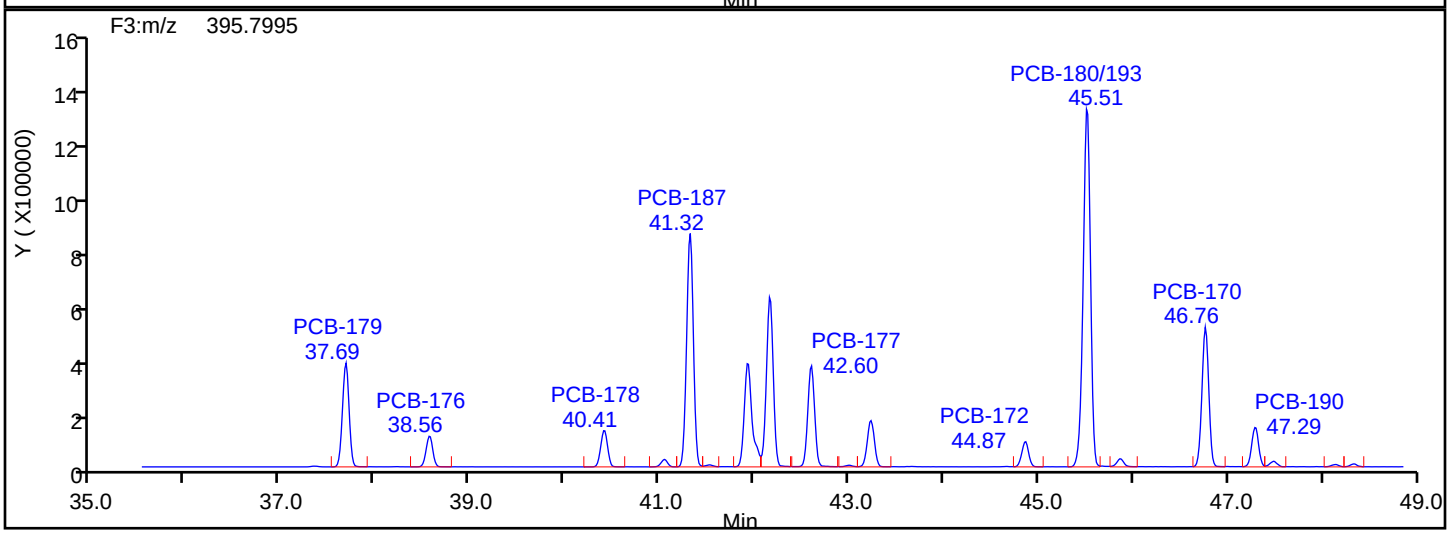


Eurofins TestAmerica, Knoxville

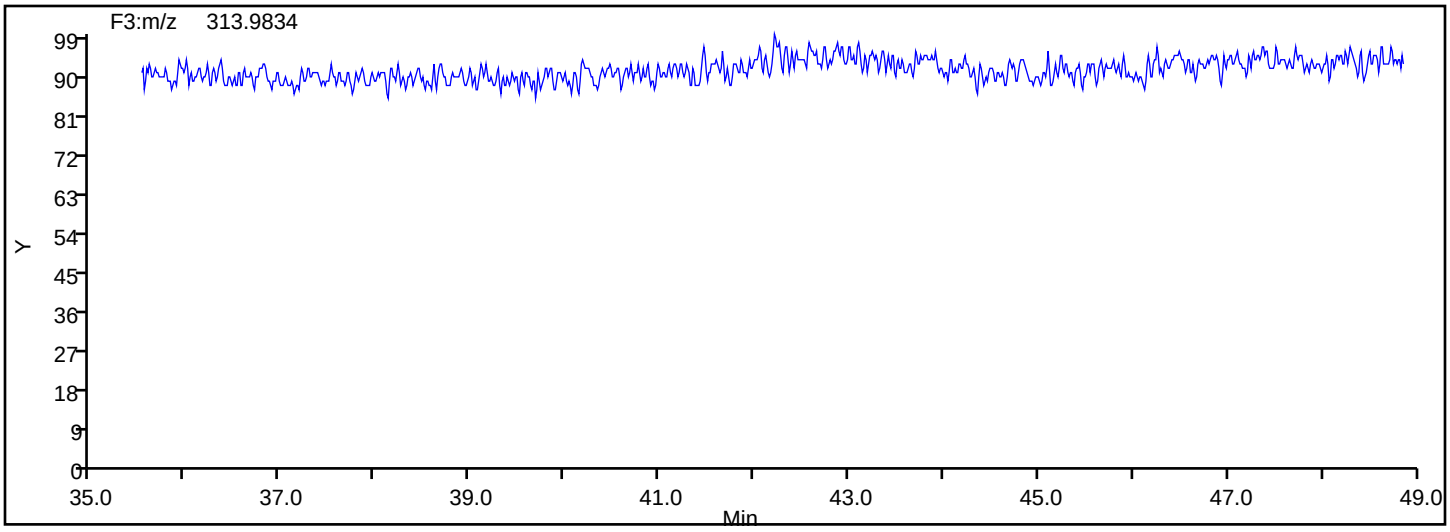
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass

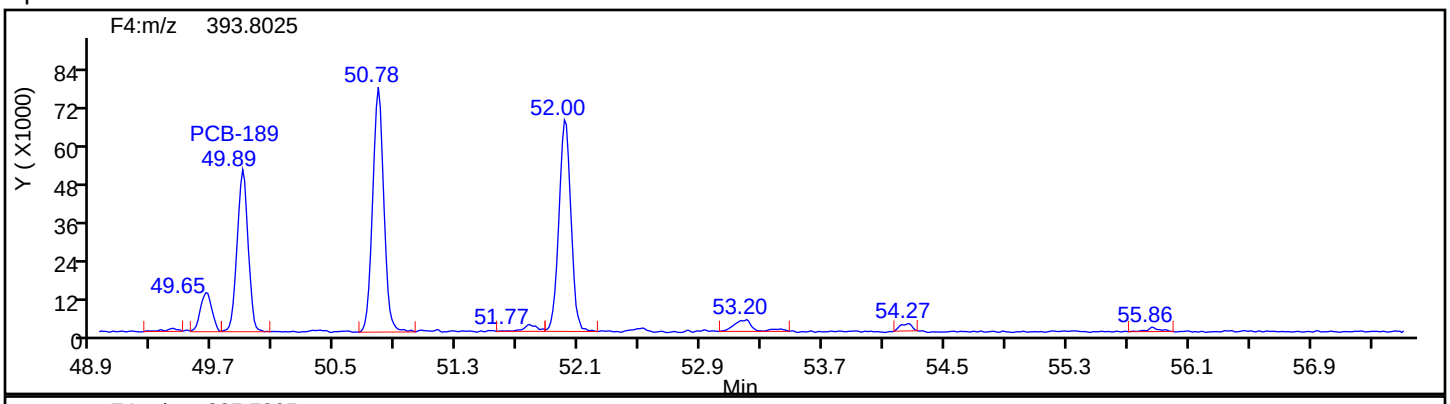


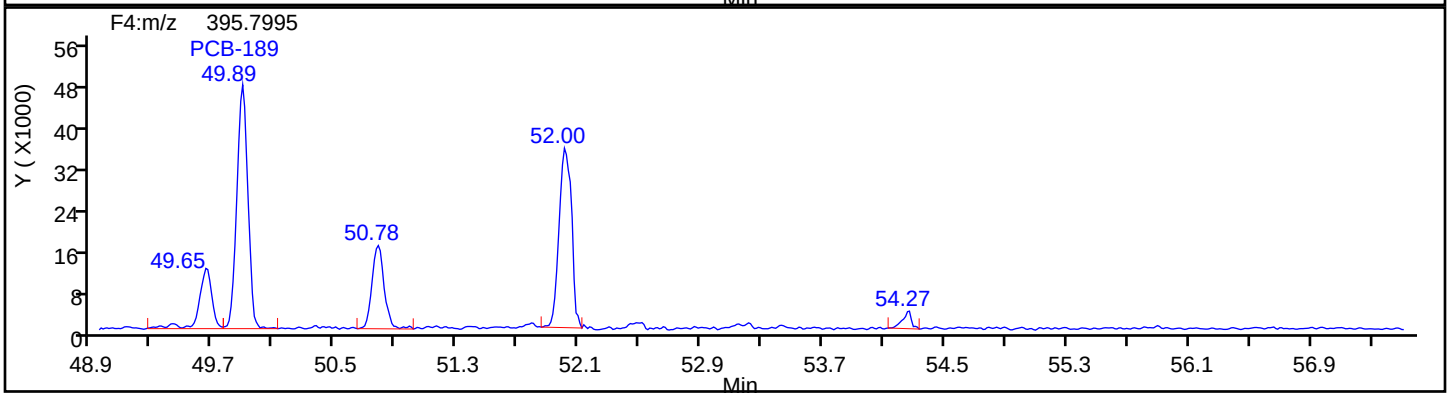
Report Date: 09-Oct-2019 20:06:41 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

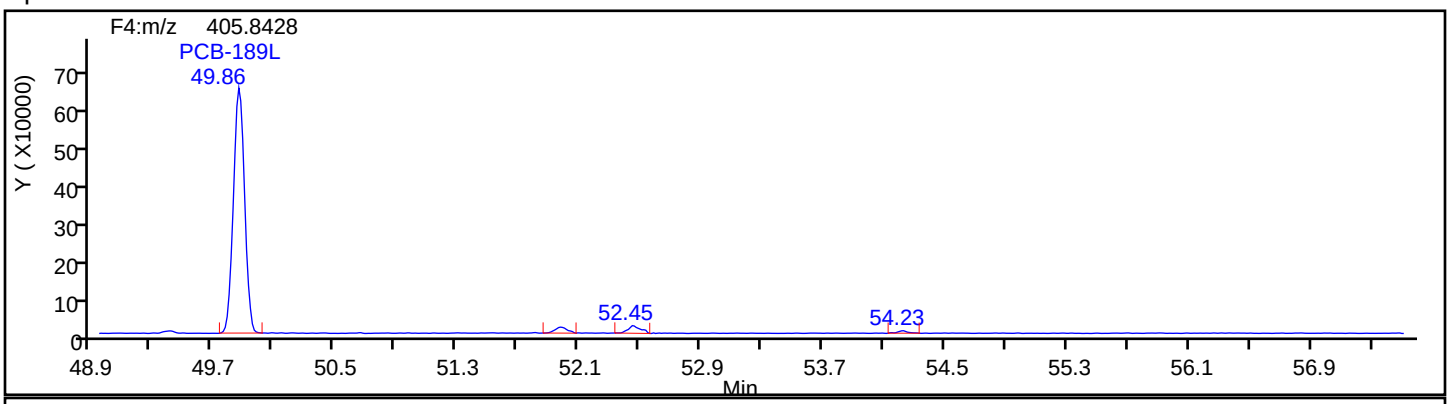
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

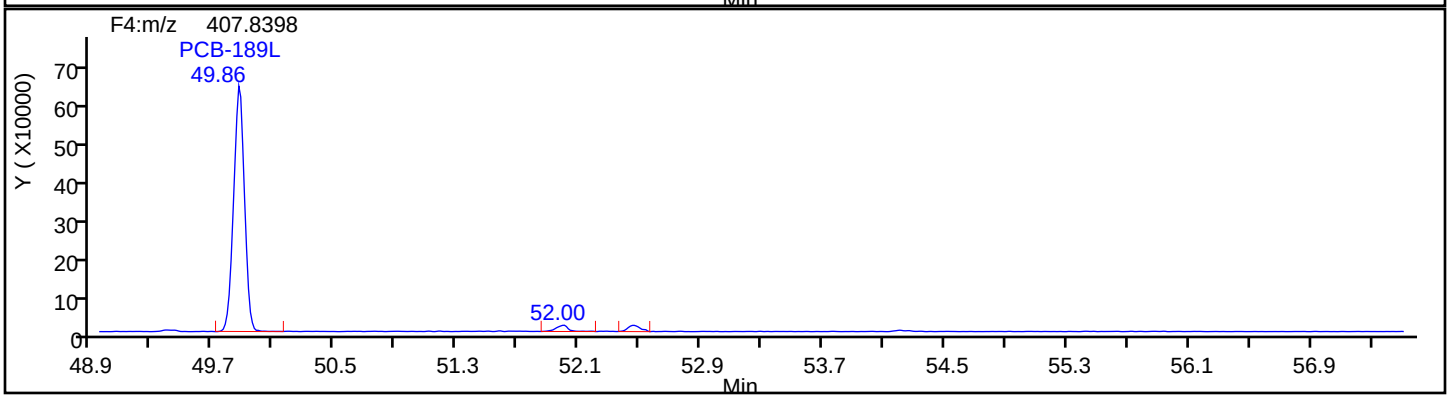
HpPCB F4




HpPCB F4 Standards

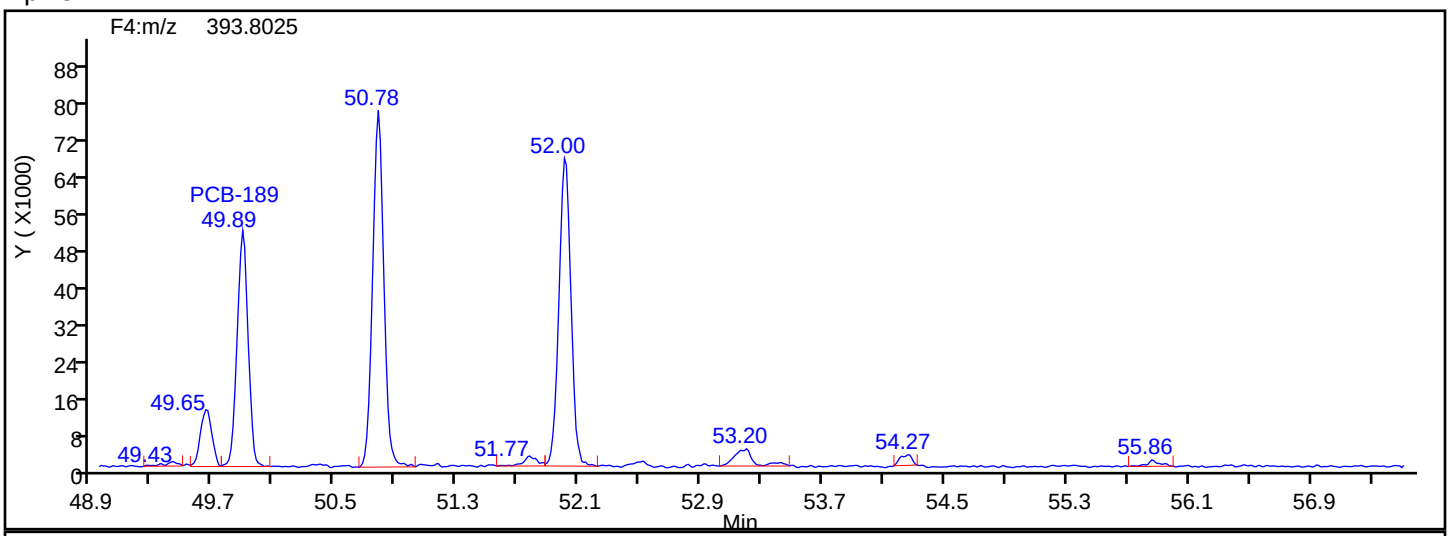


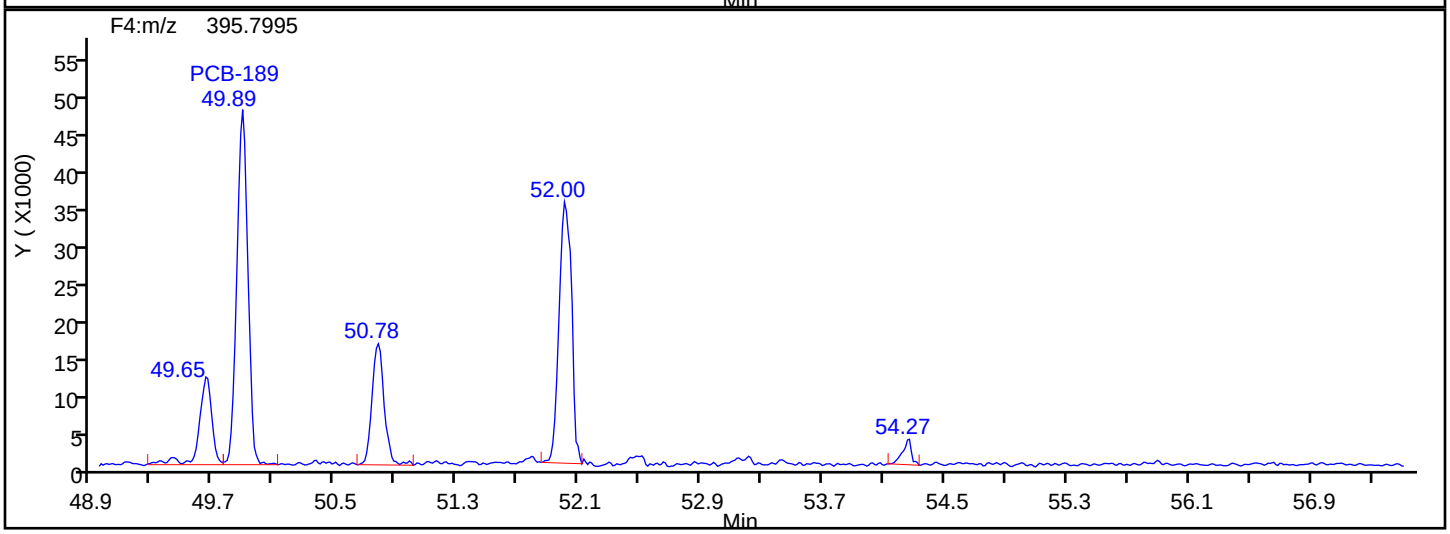



Eurofins TestAmerica, Knoxville

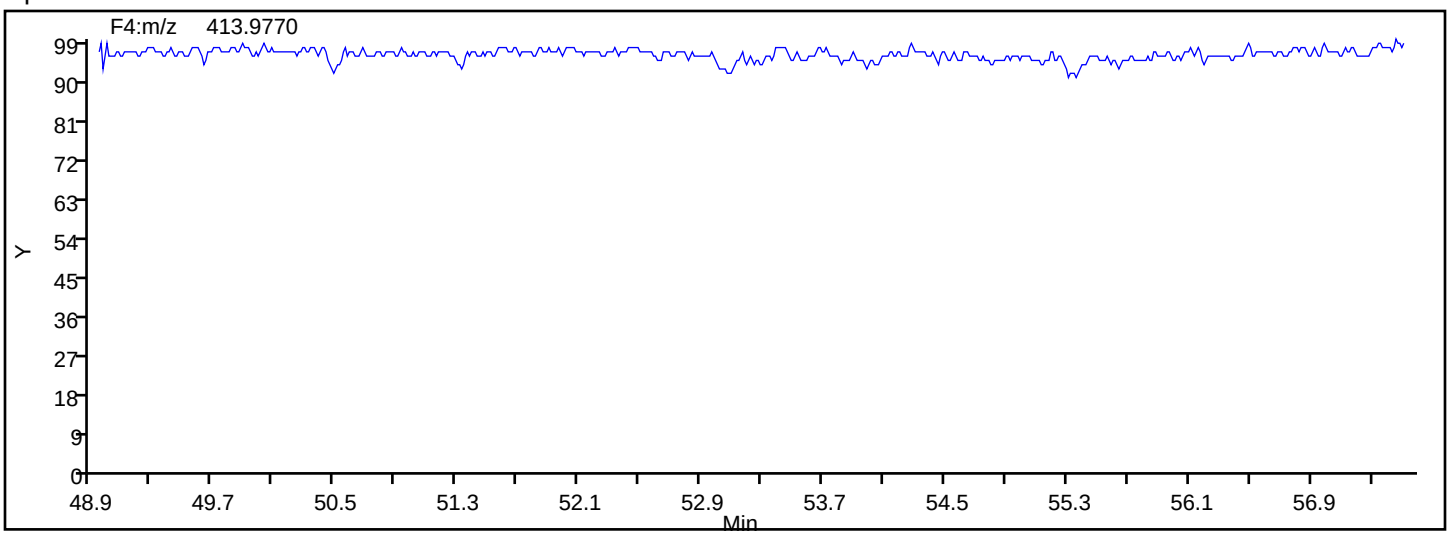
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



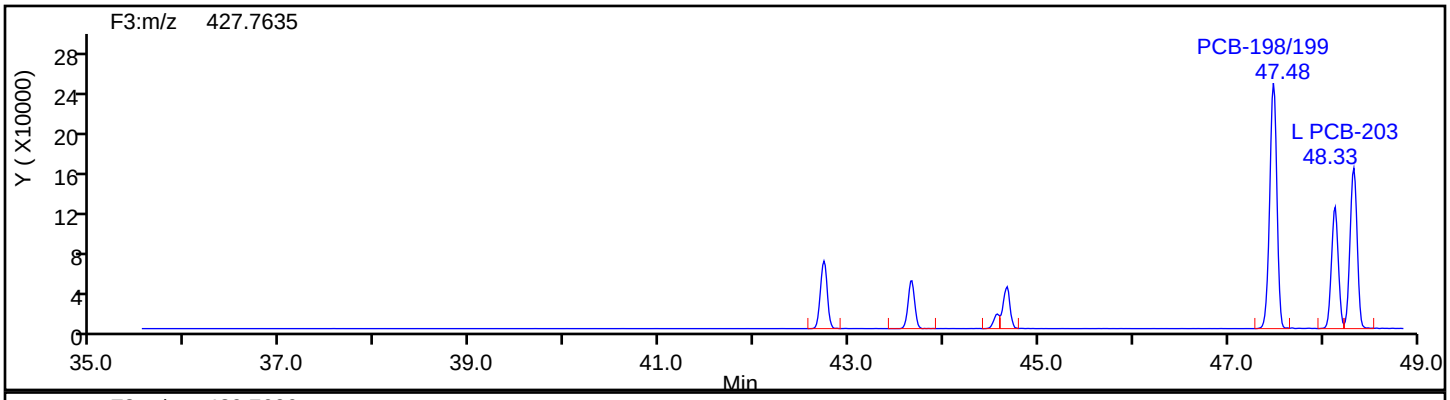

HpPCB F4 Lock Mass

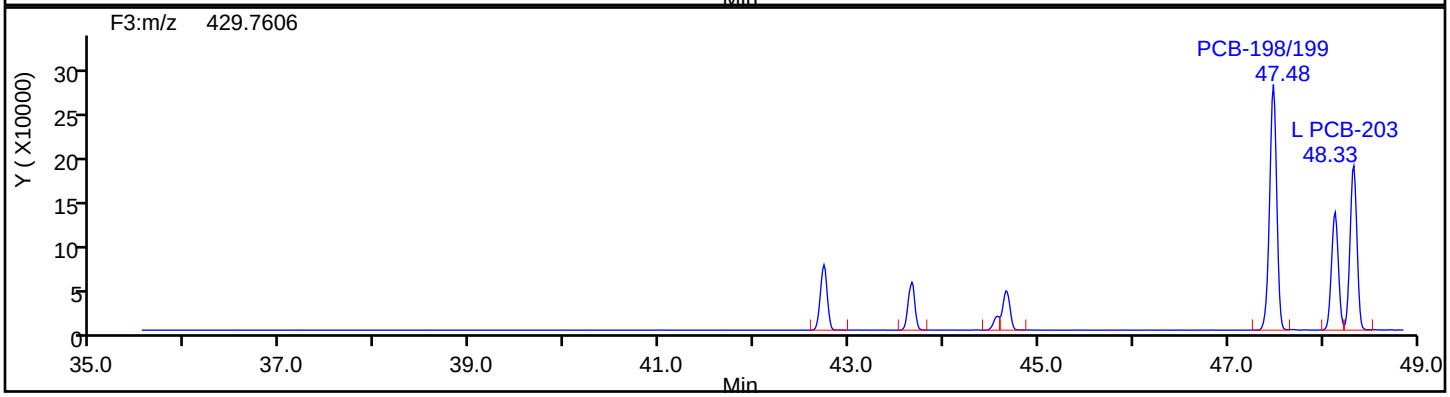


Eurofins TestAmerica, Knoxville

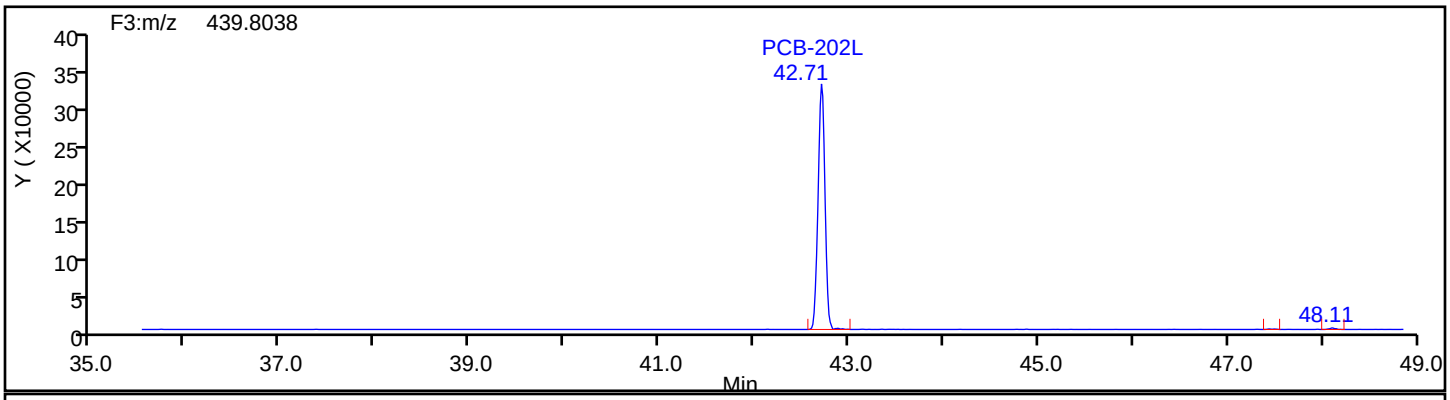
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

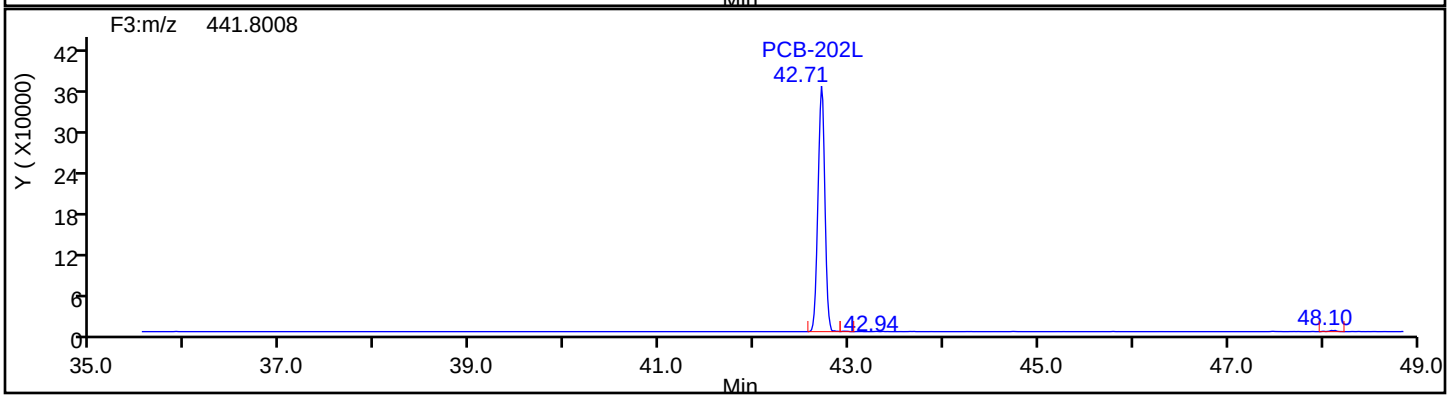
OcPCB F3




OcPCB F3 Standards

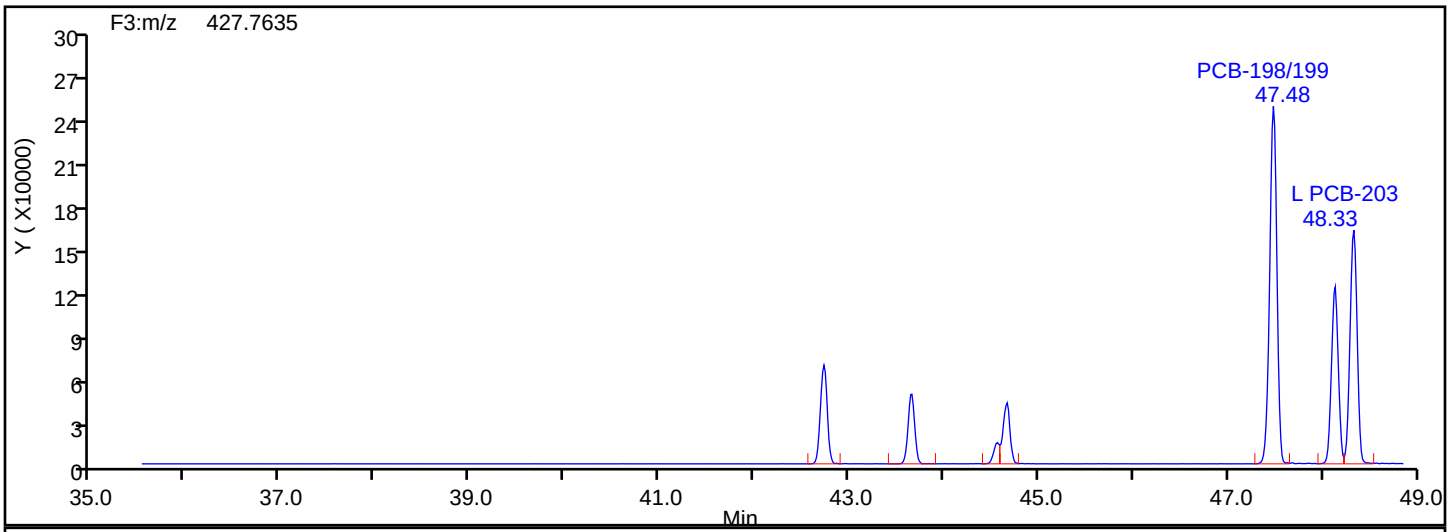


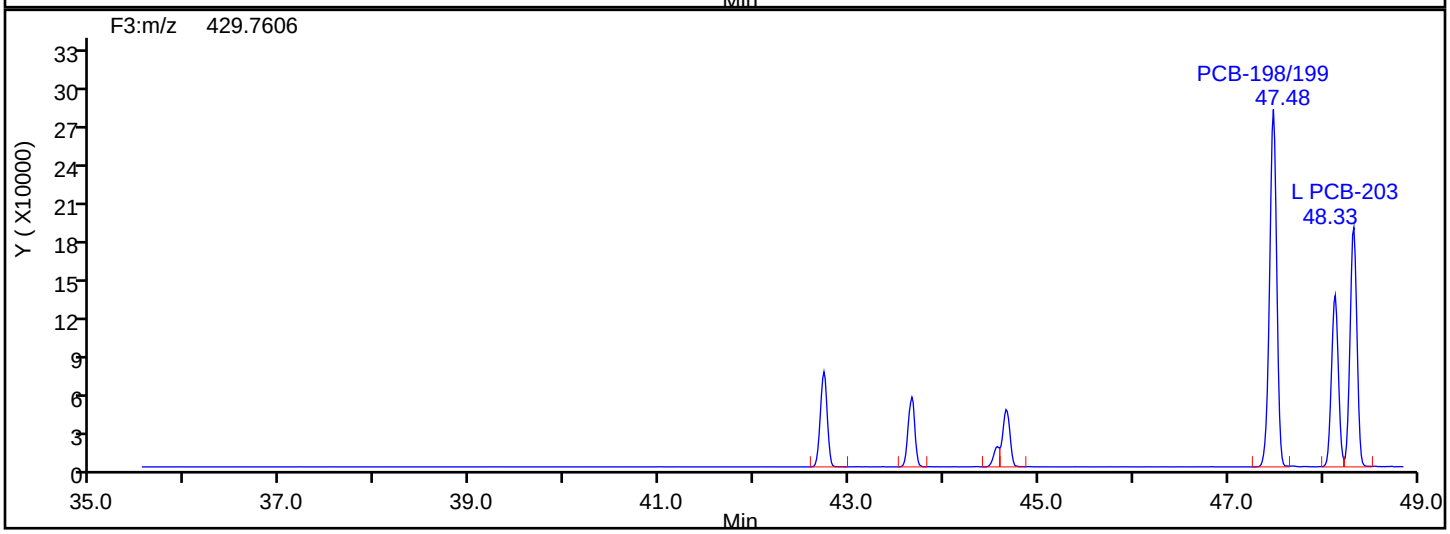



Eurofins TestAmerica, Knoxville

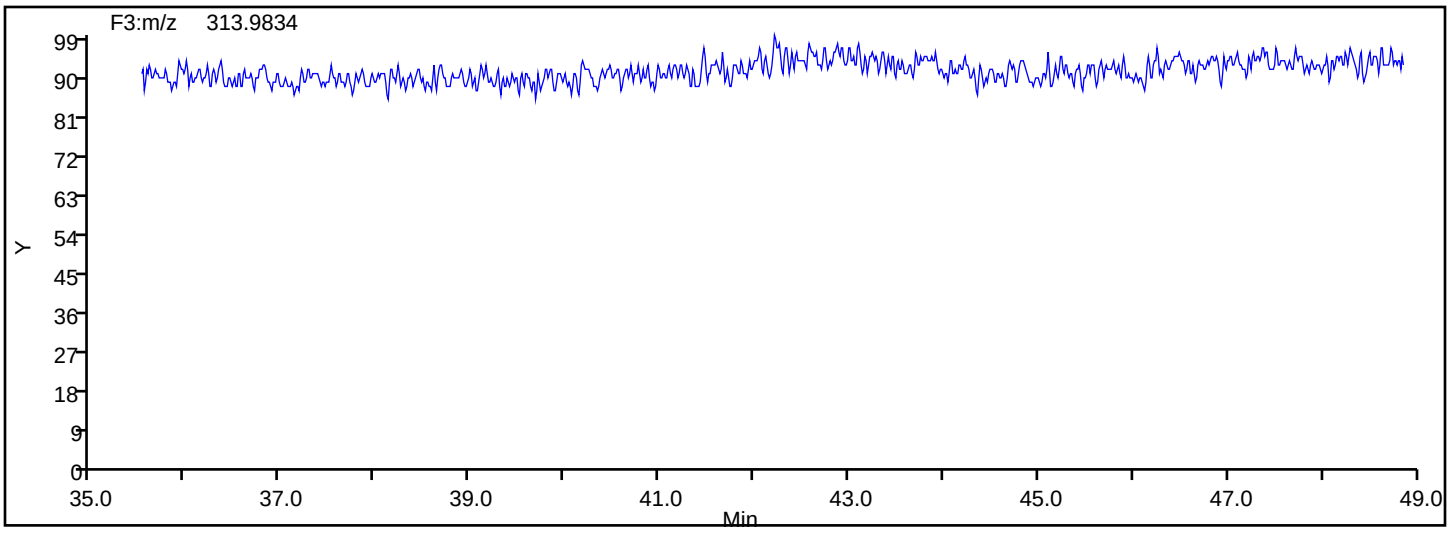
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



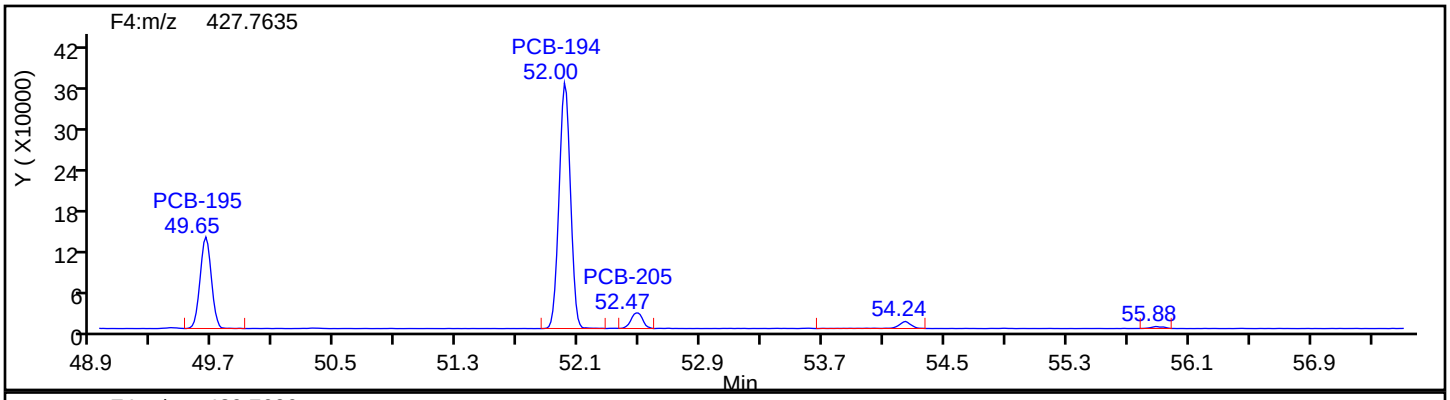

OcPCB F3 Lock Mass

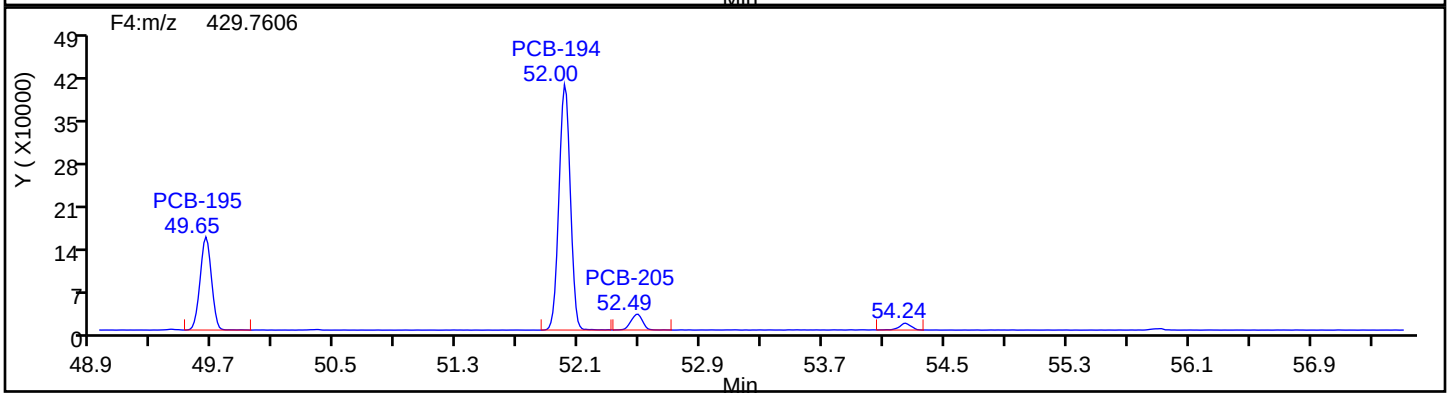


Eurofins TestAmerica, Knoxville

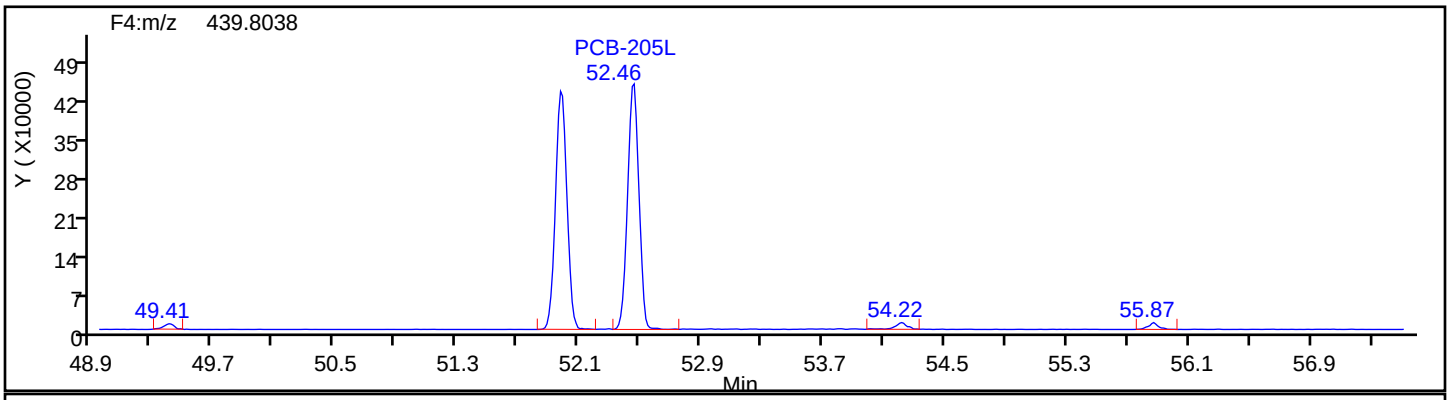
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

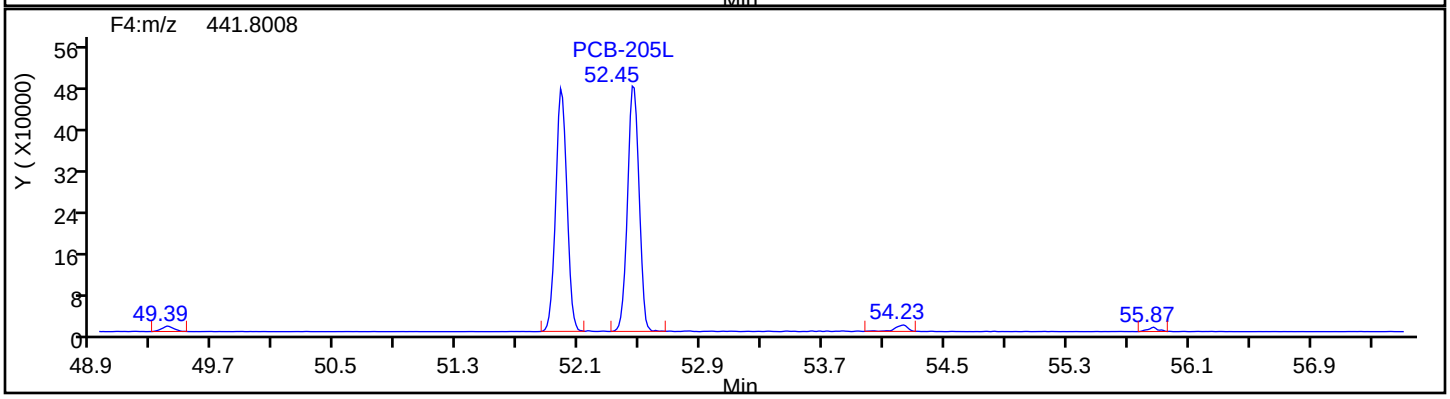
OcPCB F4




OcPCB F4 Standards

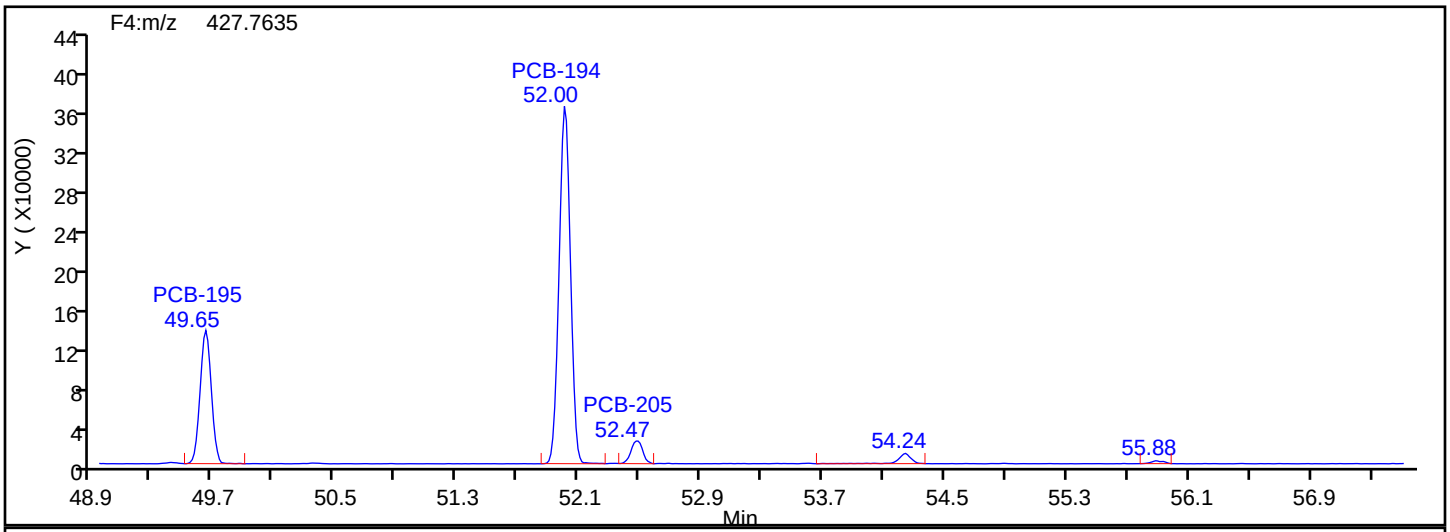


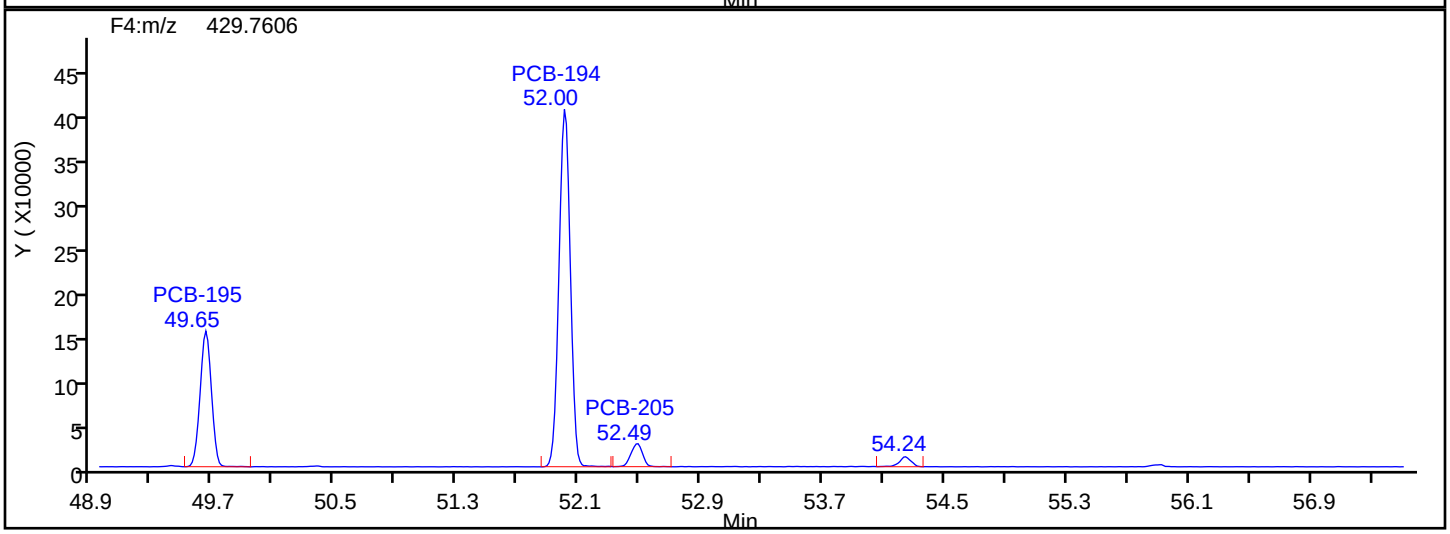



Eurofins TestAmerica, Knoxville

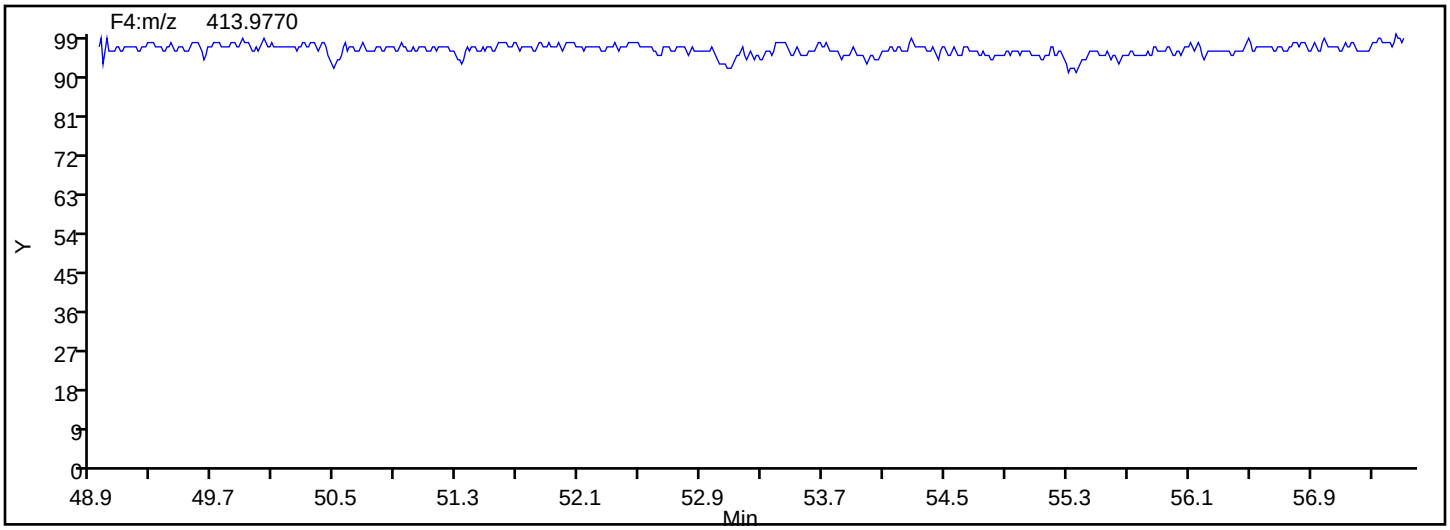
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass

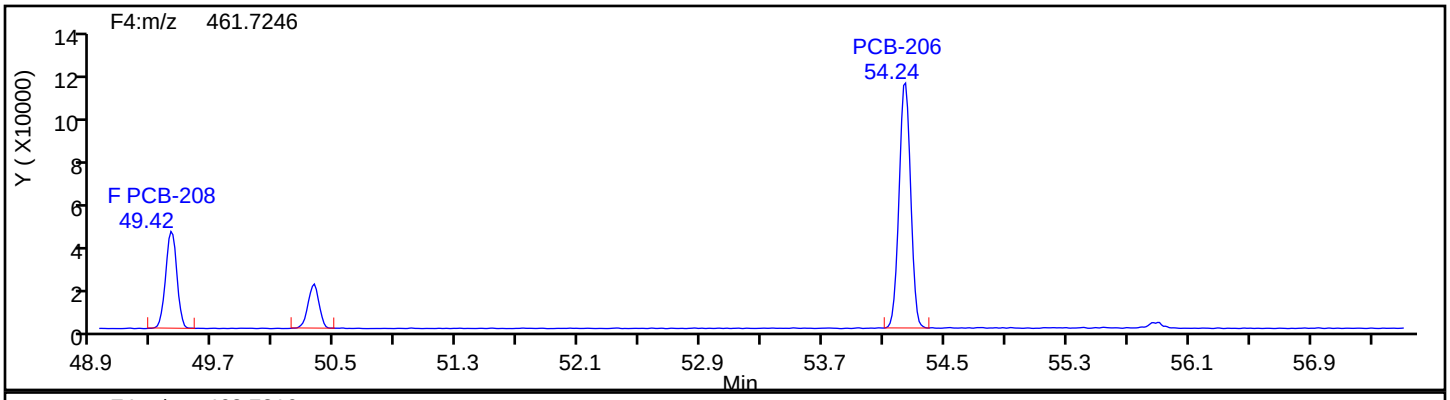


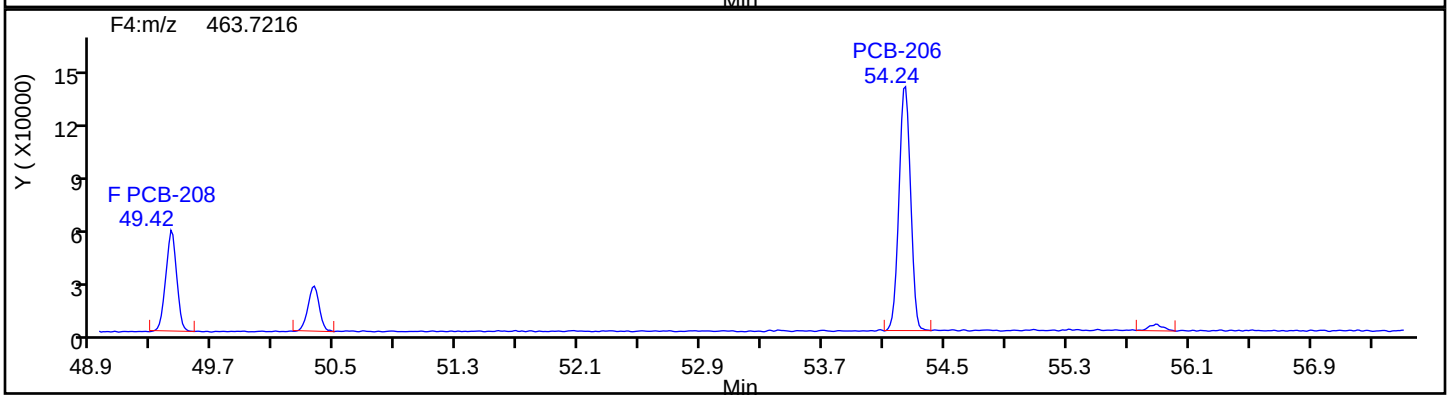
Report Date: 09-Oct-2019 20:06:41 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

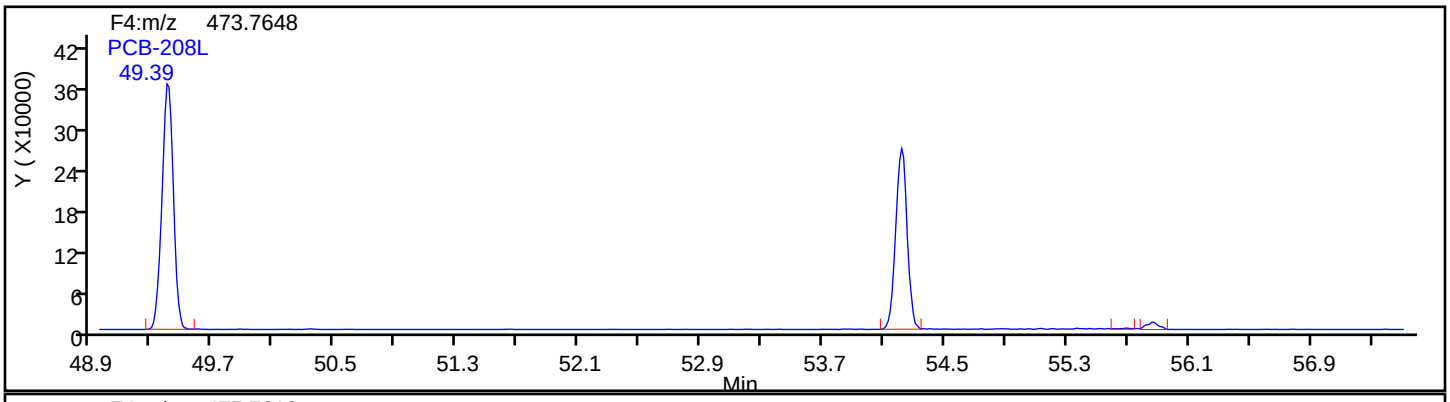
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

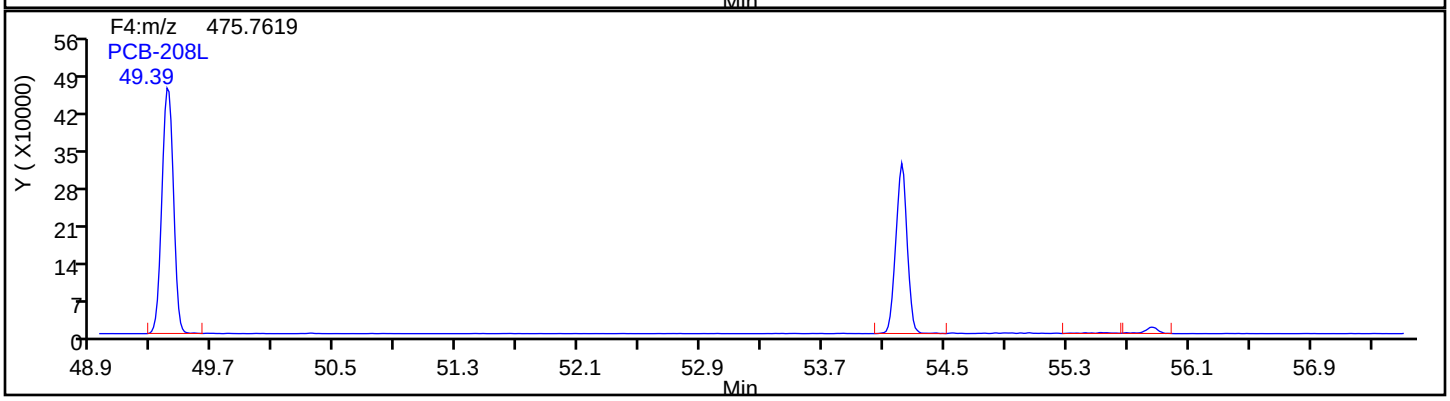
NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

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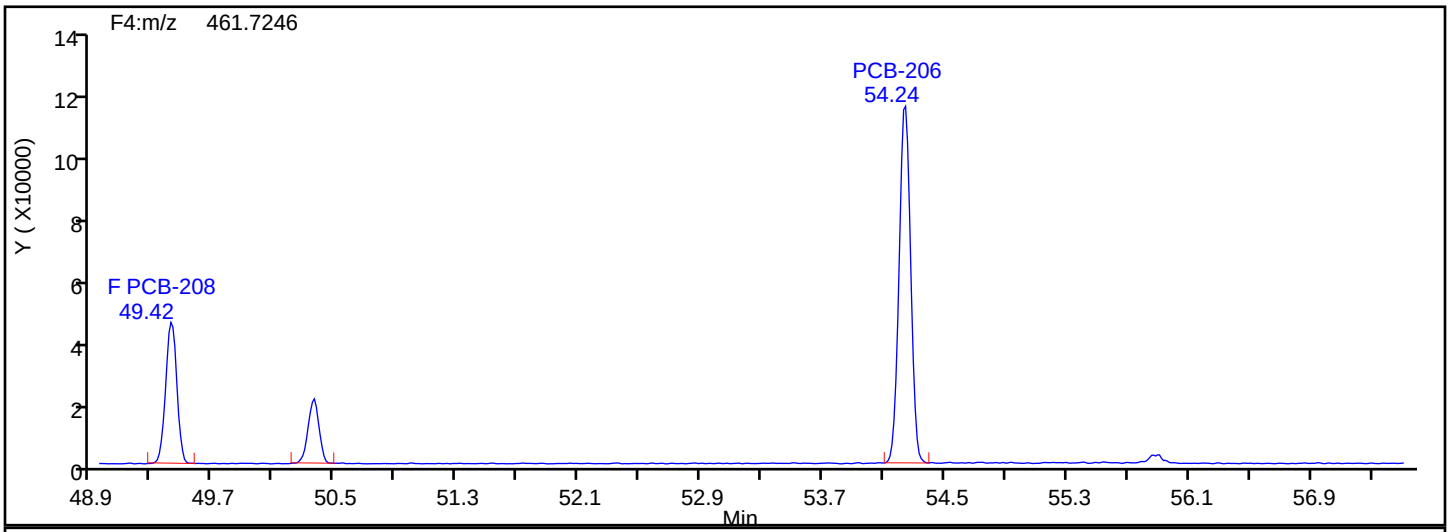
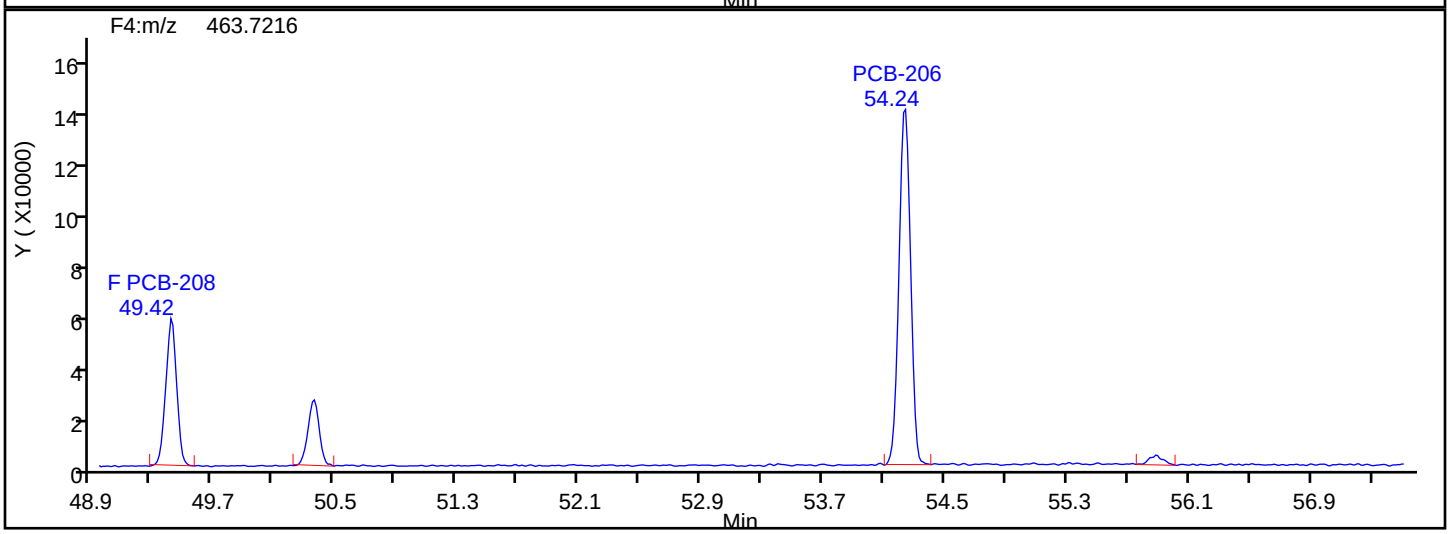
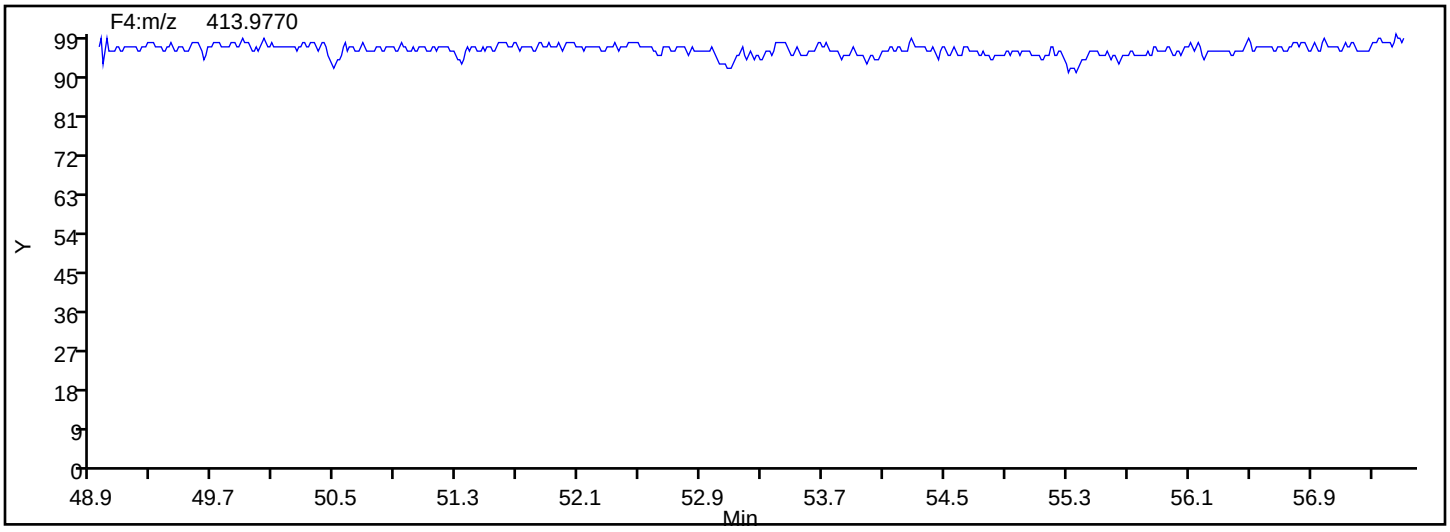
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



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Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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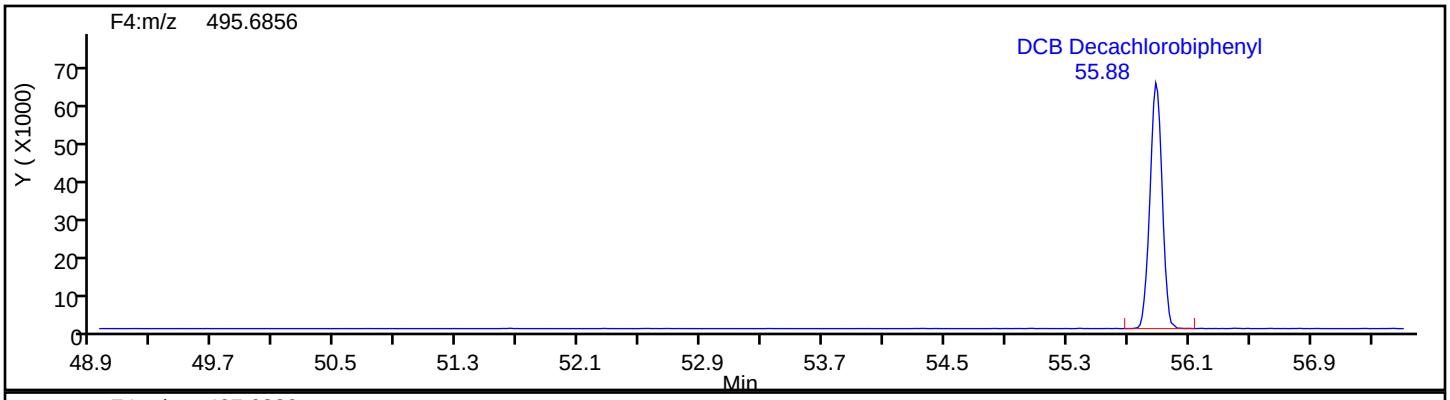
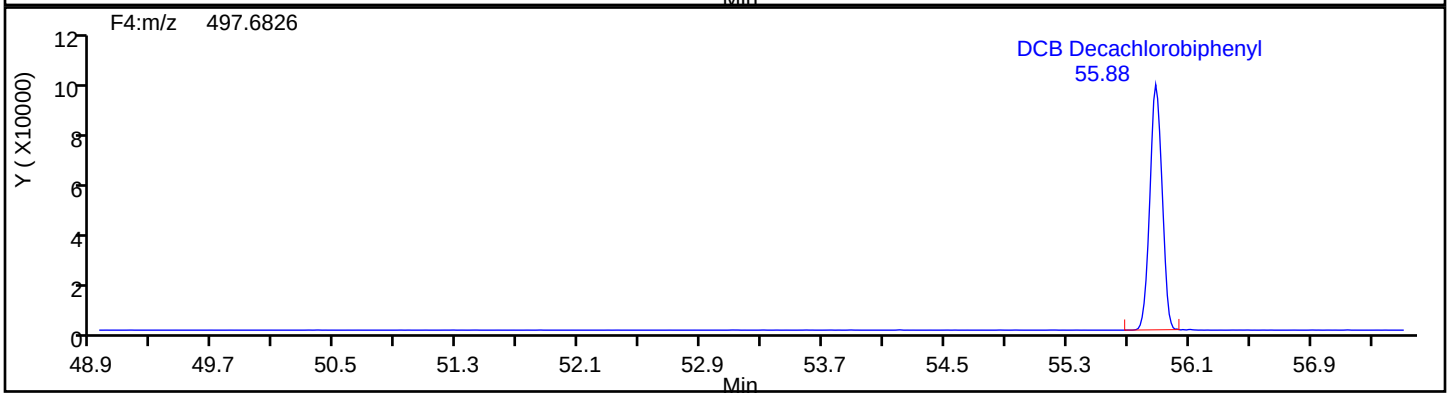
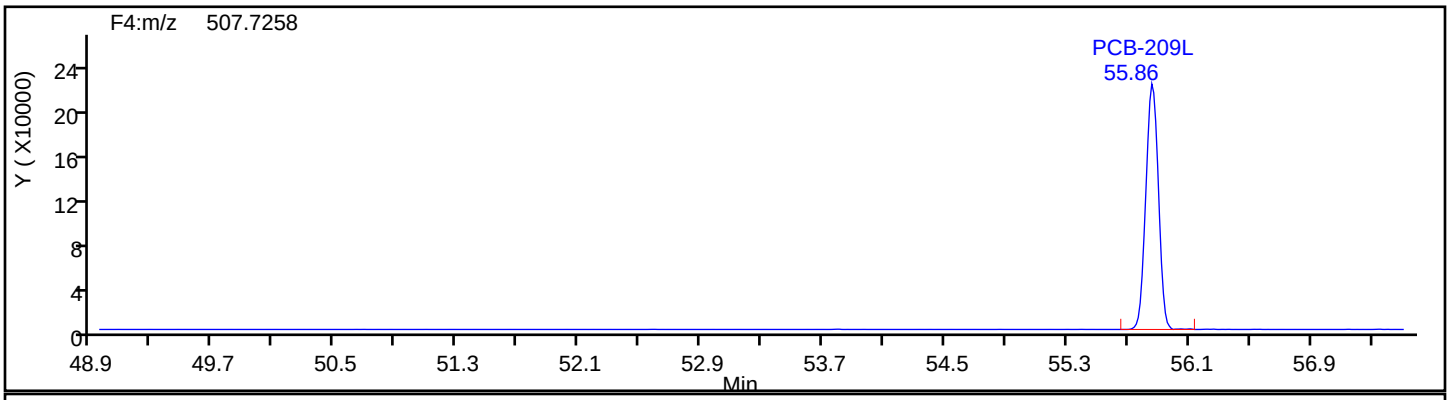
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

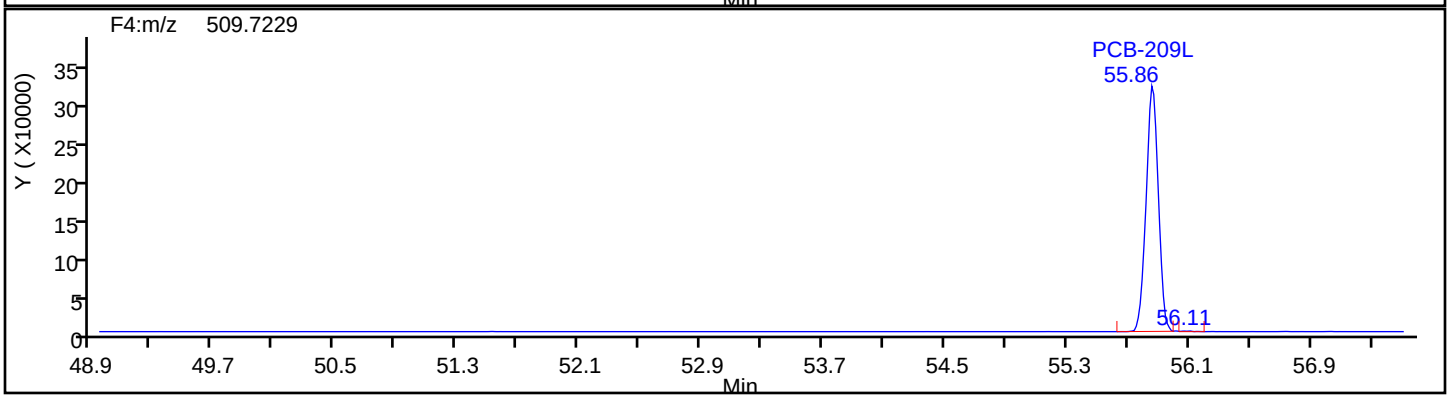
DePCB F4




DePCB F4 Standards

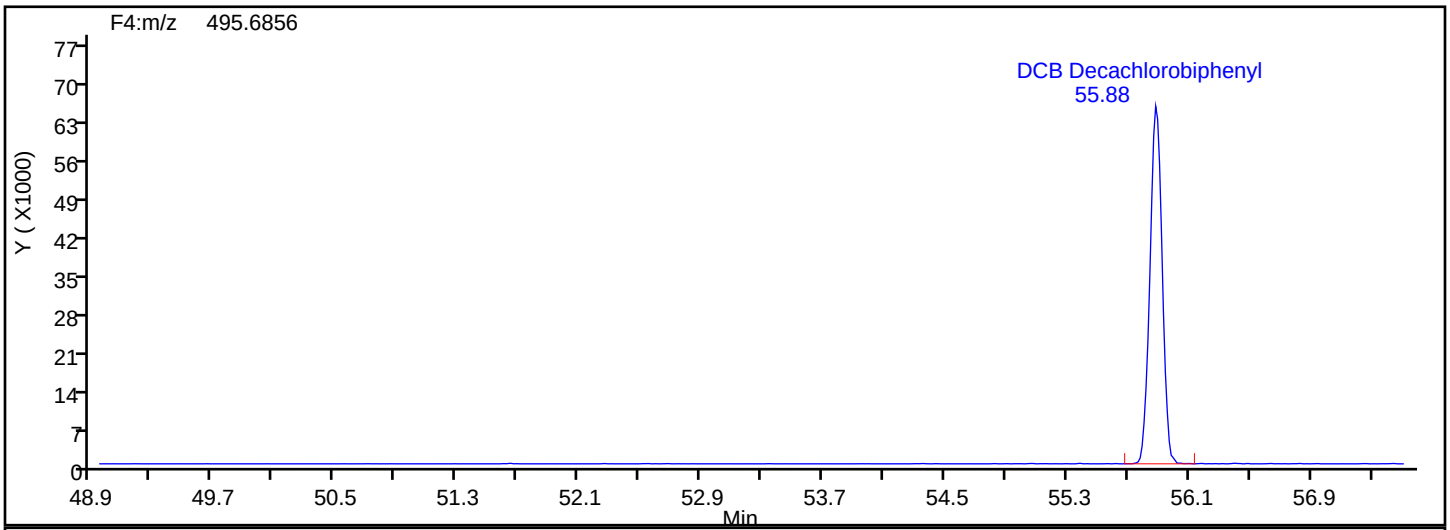


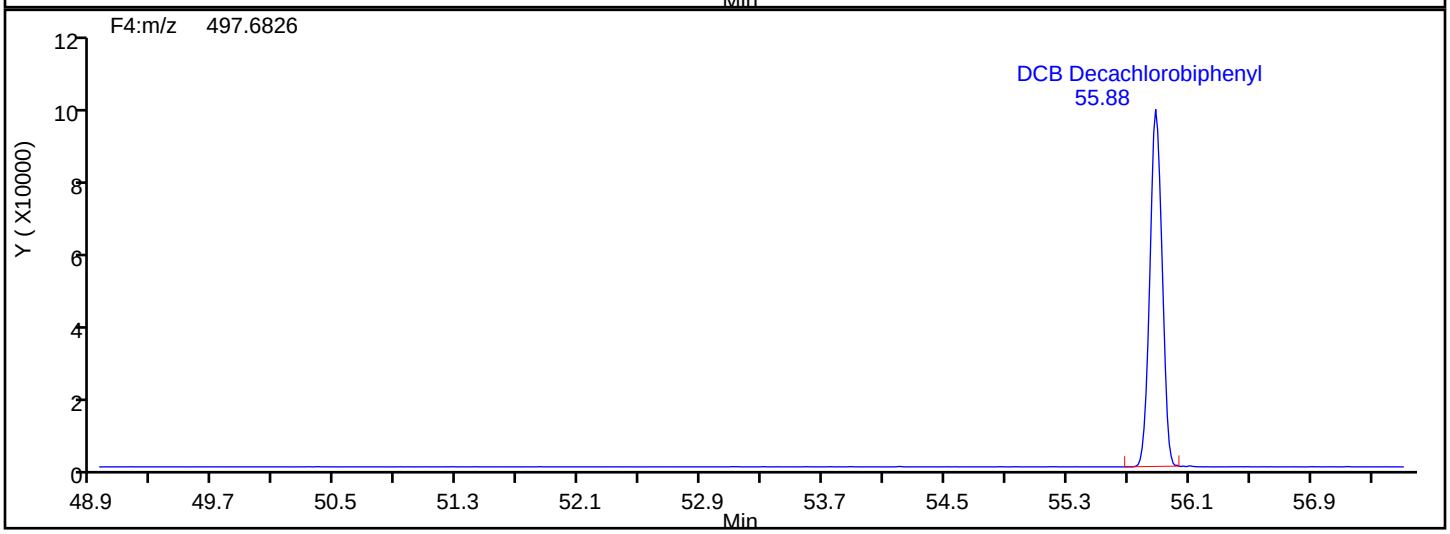



Eurofins TestAmerica, Knoxville

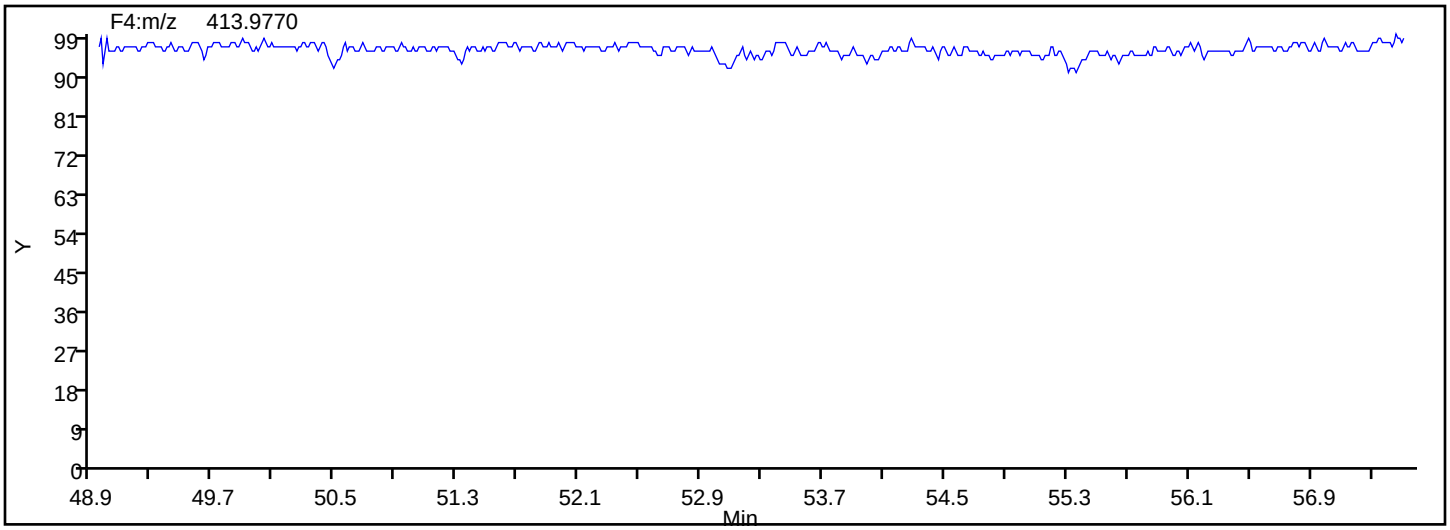
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-28-f.d | | |
| Injection Date: | 09-Oct-2019 17:46:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 1.3 | | 0.24 | 0.013 |
| 2051-61-8 | PCB-2 | 0.051 | J q | 0.24 | 0.015 |
| 2051-62-9 | PCB-3 | 0.31 | | 0.24 | 0.017 |
| 13029-08-8 | PCB-4 | 1.6 | | 0.49 | 0.075 |
| 16605-91-7 | PCB-5 | 0.058 | J | 0.24 | 0.038 |
| 25569-80-6 | PCB-6 | 0.41 | | 0.24 | 0.039 |
| 33284-50-3 | PCB-7 | 0.061 | J q | 0.24 | 0.037 |
| 34883-43-7 | PCB-8 | 1.2 | | 0.49 | 0.038 |
| 34883-39-1 | PCB-9 | 0.090 | J q | 0.24 | 0.042 |
| 33146-45-1 | PCB-10 | ND | | 0.24 | 0.040 |
| 2050-67-1 | PCB-11 | 0.077 | J B | 0.49 | 0.037 |
| 2974-92-7 | PCB-12 | 0.19 | J C | 0.49 | 0.037 |
| 2974-90-5 | PCB-13 | 0.19 | J C12 | 0.49 | 0.037 |
| 34883-41-5 | PCB-14 | ND | | 0.24 | 0.032 |
| 2050-68-2 | PCB-15 | 0.55 | | 0.24 | 0.031 |
| 38444-78-9 | PCB-16 | 0.81 | | 0.24 | 0.031 |
| 37680-66-3 | PCB-17 | 1.2 | | 0.24 | 0.024 |
| 37680-65-2 | PCB-18 | 1.8 | C | 0.49 | 0.021 |
| 38444-73-4 | PCB-19 | 0.35 | | 0.24 | 0.029 |
| 38444-84-7 | PCB-20 | 3.7 | C | 0.49 | 0.025 |
| 55702-46-0 | PCB-21 | 1.5 | C | 0.49 | 0.024 |
| 38444-85-8 | PCB-22 | 0.71 | | 0.24 | 0.026 |
| 55720-44-0 | PCB-23 | ND | | 0.24 | 0.026 |
| 55702-45-9 | PCB-24 | 0.025 | J q | 0.24 | 0.018 |
| 55712-37-3 | PCB-25 | 0.45 | | 0.24 | 0.024 |
| 38444-81-4 | PCB-26 | 0.75 | C | 0.49 | 0.025 |
| 38444-76-7 | PCB-27 | 0.13 | J q | 0.24 | 0.017 |
| 7012-37-5 | PCB-28 | 3.7 | C20 | 0.49 | 0.025 |
| 15862-07-4 | PCB-29 | 0.75 | C26 | 0.49 | 0.025 |
| 35693-92-6 | PCB-30 | 1.8 | C18 | 0.49 | 0.021 |
| 16606-02-3 | PCB-31 | 2.5 | | 0.49 | 0.024 |
| 38444-77-8 | PCB-32 | 0.65 | | 0.24 | 0.016 |
| 38444-86-9 | PCB-33 | 1.5 | C21 | 0.49 | 0.024 |
| 37680-68-5 | PCB-34 | 0.062 | J | 0.24 | 0.027 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.083 | J q | 0.24 | 0.027 |
| 38444-87-0 | PCB-36 | ND | | 0.24 | 0.024 |
| 38444-90-5 | PCB-37 | 0.86 | | 0.24 | 0.025 |
| 53555-66-1 | PCB-38 | ND | | 0.24 | 0.025 |
| 38444-88-1 | PCB-39 | 0.097 | J | 0.24 | 0.023 |
| 38444-93-8 | PCB-40 | 3.6 | C | 0.73 | 0.030 |
| 52663-59-9 | PCB-41 | 3.6 | C40 | 0.73 | 0.030 |
| 36559-22-5 | PCB-42 | 2.6 | | 0.24 | 0.032 |
| 70362-46-8 | PCB-43 | 0.19 | J q C | 0.49 | 0.028 |
| 41464-39-5 | PCB-44 | 12 | C B | 0.73 | 0.027 |
| 70362-45-7 | PCB-45 | 1.1 | C B | 0.49 | 0.031 |
| 41464-47-5 | PCB-46 | 0.32 | | 0.24 | 0.036 |
| 2437-79-8 | PCB-47 | 12 | C44 B | 0.73 | 0.027 |
| 70362-47-9 | PCB-48 | 0.98 | | 0.24 | 0.029 |
| 41464-40-8 | PCB-49 | 10 | C B | 0.49 | 0.024 |
| 62796-65-0 | PCB-50 | 1.1 | C | 0.49 | 0.030 |
| 68194-04-7 | PCB-51 | 1.1 | C45 B | 0.49 | 0.031 |
| 35693-99-3 | PCB-52 | 26 | B | 0.24 | 0.031 |
| 41464-41-9 | PCB-53 | 1.1 | C50 | 0.49 | 0.030 |
| 15968-05-5 | PCB-54 | 0.031 | J q | 0.24 | 0.017 |
| 74338-24-2 | PCB-55 | 0.13 | J | 0.24 | 0.021 |
| 41464-43-1 | PCB-56 | 3.6 | | 0.24 | 0.022 |
| 70424-67-8 | PCB-57 | 0.065 | J | 0.24 | 0.022 |
| 41464-49-7 | PCB-58 | 0.16 | J | 0.24 | 0.021 |
| 74472-33-6 | PCB-59 | 0.73 | C | 0.73 | 0.020 |
| 33025-41-1 | PCB-60 | 0.65 | | 0.24 | 0.021 |
| 33284-53-6 | PCB-61 | 23 | C B | 0.97 | 0.020 |
| 54230-22-7 | PCB-62 | 0.73 | C59 | 0.73 | 0.020 |
| 74472-34-7 | PCB-63 | 0.47 | | 0.24 | 0.019 |
| 52663-58-8 | PCB-64 | 3.3 | | 0.24 | 0.020 |
| 33284-54-7 | PCB-65 | 12 | C44 B | 0.73 | 0.027 |
| 32598-10-0 | PCB-66 | 14 | | 0.24 | 0.022 |
| 73575-53-8 | PCB-67 | 0.27 | | 0.24 | 0.020 |
| 73575-52-7 | PCB-68 | 0.37 | | 0.24 | 0.019 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 10 | C49 B | 0.49 | 0.024 |
| 32598-11-1 | PCB-70 | 23 | C61 B | 0.97 | 0.020 |
| 41464-46-4 | PCB-71 | 3.6 | C40 | 0.73 | 0.030 |
| 41464-42-0 | PCB-72 | 0.68 | | 0.24 | 0.021 |
| 74338-23-1 | PCB-73 | 0.19 | J q C43 | 0.49 | 0.028 |
| 32690-93-0 | PCB-74 | 23 | C61 B | 0.97 | 0.020 |
| 32598-12-2 | PCB-75 | 0.73 | C59 | 0.73 | 0.020 |
| 70362-48-0 | PCB-76 | 23 | C61 B | 0.97 | 0.020 |
| 32598-13-3 | PCB-77 | 1.1 | | 0.24 | 0.020 |
| 70362-49-1 | PCB-78 | ND | | 0.24 | 0.021 |
| 41464-48-6 | PCB-79 | 0.45 | | 0.24 | 0.018 |
| 33284-52-5 | PCB-80 | 0.054 | J q | 0.24 | 0.019 |
| 70362-50-4 | PCB-81 | 0.034 | J q | 0.24 | 0.022 |
| 52663-62-4 | PCB-82 | 4.6 | | 0.24 | 0.054 |
| 60145-20-2 | PCB-83 | 29 | C | 0.49 | 0.049 |
| 52663-60-2 | PCB-84 | 11 | B | 0.24 | 0.054 |
| 65510-45-4 | PCB-85 | 6.7 | C B | 0.73 | 0.038 |
| 55312-69-1 | PCB-86 | 26 | C | 1.5 | 0.039 |
| 38380-02-8 | PCB-87 | 26 | C86 | 1.5 | 0.039 |
| 55215-17-3 | PCB-88 | 6.2 | C | 0.49 | 0.046 |
| 73575-57-2 | PCB-89 | 0.30 | | 0.24 | 0.052 |
| 68194-07-0 | PCB-90 | 47 | C B | 0.73 | 0.041 |
| 68194-05-8 | PCB-91 | 6.2 | C88 | 0.49 | 0.046 |
| 52663-61-3 | PCB-92 | 10 | | 0.24 | 0.049 |
| 73575-56-1 | PCB-93 | 0.60 | C | 0.49 | 0.047 |
| 73575-55-0 | PCB-94 | 0.20 | J q | 0.24 | 0.051 |
| 38379-99-6 | PCB-95 | 35 | | 0.24 | 0.048 |
| 73575-54-9 | PCB-96 | 0.22 | J q | 0.24 | 0.038 |
| 41464-51-1 | PCB-97 | 26 | C86 | 1.5 | 0.039 |
| 60233-25-2 | PCB-98 | 1.2 | C | 0.49 | 0.047 |
| 38380-01-7 | PCB-99 | 29 | C83 | 0.49 | 0.049 |
| 39485-83-1 | PCB-100 | 0.60 | C93 | 0.49 | 0.047 |
| 37680-73-2 | PCB-101 | 47 | C90 B | 0.73 | 0.041 |
| 68194-06-9 | PCB-102 | 1.2 | C98 | 0.49 | 0.047 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.97 | | 0.24 | 0.045 |
| 56558-16-8 | PCB-104 | ND | | 0.24 | 0.033 |
| 32598-14-4 | PCB-105 | 11 | | 0.24 | 0.094 |
| 70424-69-0 | PCB-106 | ND | | 0.24 | 0.096 |
| 70424-68-9 | PCB-107 | 3.2 | | 0.24 | 0.090 |
| 70362-41-3 | PCB-108 | 1.3 | C | 0.49 | 0.097 |
| 74472-35-8 | PCB-109 | 26 | C86 | 1.5 | 0.039 |
| 38380-03-9 | PCB-110 | 51 | C | 0.49 | 0.034 |
| 39635-32-0 | PCB-111 | 0.085 | J q | 0.24 | 0.033 |
| 74472-36-9 | PCB-112 | ND | | 0.24 | 0.034 |
| 68194-10-5 | PCB-113 | 47 | C90 B | 0.73 | 0.041 |
| 74472-37-0 | PCB-114 | 0.70 | | 0.24 | 0.086 |
| 74472-38-1 | PCB-115 | 51 | C110 | 0.49 | 0.034 |
| 18259-05-7 | PCB-116 | 6.7 | C85 B | 0.73 | 0.038 |
| 68194-11-6 | PCB-117 | 6.7 | C85 B | 0.73 | 0.038 |
| 31508-00-6 | PCB-118 | 36 | B | 0.24 | 0.092 |
| 56558-17-9 | PCB-119 | 26 | C86 | 1.5 | 0.039 |
| 68194-12-7 | PCB-120 | 0.52 | | 0.24 | 0.031 |
| 56558-18-0 | PCB-121 | 0.062 | J | 0.24 | 0.033 |
| 76842-07-4 | PCB-122 | 0.51 | | 0.24 | 0.11 |
| 65510-44-3 | PCB-123 | 0.54 | | 0.24 | 0.088 |
| 70424-70-3 | PCB-124 | 1.3 | C108 | 0.49 | 0.097 |
| 74472-39-2 | PCB-125 | 26 | C86 | 1.5 | 0.039 |
| 57465-28-8 | PCB-126 | 0.12 | J | 0.24 | 0.10 |
| 39635-33-1 | PCB-127 | ND | | 0.24 | 0.095 |
| 38380-07-3 | PCB-128 | 7.6 | C B | 0.49 | 0.015 |
| 55215-18-4 | PCB-129 | 47 | C B | 0.97 | 0.015 |
| 52663-66-8 | PCB-130 | 3.7 | | 0.24 | 0.020 |
| 61798-70-7 | PCB-131 | 0.73 | | 0.24 | 0.019 |
| 38380-05-1 | PCB-132 | 17 | | 0.24 | 0.019 |
| 35694-04-3 | PCB-133 | 1.1 | | 0.24 | 0.018 |
| 52704-70-8 | PCB-134 | 2.9 | C | 0.49 | 0.019 |
| 52744-13-5 | PCB-135 | 16 | C B | 0.49 | 0.012 |
| 38411-22-2 | PCB-136 | 6.1 | B | 0.24 | 0.0091 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 2.1 | | 0.24 | 0.015 |
| 35065-28-2 | PCB-138 | 47 | C129 B | 0.97 | 0.015 |
| 56030-56-9 | PCB-139 | 1.0 | C | 0.49 | 0.016 |
| 59291-64-4 | PCB-140 | 1.0 | C139 | 0.49 | 0.016 |
| 52712-04-6 | PCB-141 | 7.4 | | 0.24 | 0.017 |
| 41411-61-4 | PCB-142 | ND | | 0.24 | 0.019 |
| 68194-15-0 | PCB-143 | 2.9 | C134 | 0.49 | 0.019 |
| 68194-14-9 | PCB-144 | 1.7 | | 0.24 | 0.011 |
| 74472-40-5 | PCB-145 | 0.038 | J q | 0.24 | 0.0088 |
| 51908-16-8 | PCB-146 | 9.5 | B | 0.24 | 0.016 |
| 68194-13-8 | PCB-147 | 41 | C B | 0.49 | 0.017 |
| 74472-41-6 | PCB-148 | 0.22 | J q | 0.24 | 0.012 |
| 38380-04-0 | PCB-149 | 41 | C147 B | 0.49 | 0.017 |
| 68194-08-1 | PCB-150 | 0.17 | J | 0.24 | 0.0085 |
| 52663-63-5 | PCB-151 | 16 | C135 B | 0.49 | 0.012 |
| 68194-09-2 | PCB-152 | 0.049 | J q | 0.24 | 0.0084 |
| 35065-27-1 | PCB-153 | 40 | C B | 0.49 | 0.013 |
| 60145-22-4 | PCB-154 | 1.3 | | 0.24 | 0.010 |
| 33979-03-2 | PCB-155 | 0.014 | J q | 0.24 | 0.0081 |
| 38380-08-4 | PCB-156 | 5.5 | C | 0.49 | 0.015 |
| 69782-90-7 | PCB-157 | 5.5 | C156 | 0.49 | 0.015 |
| 74472-42-7 | PCB-158 | 4.4 | | 0.24 | 0.012 |
| 39635-35-3 | PCB-159 | 0.43 | | 0.24 | 0.012 |
| 41411-62-5 | PCB-160 | 47 | C129 B | 0.97 | 0.015 |
| 74472-43-8 | PCB-161 | ND | | 0.24 | 0.012 |
| 39635-34-2 | PCB-162 | 0.16 | J q | 0.24 | 0.012 |
| 74472-44-9 | PCB-163 | 47 | C129 B | 0.97 | 0.015 |
| 74472-45-0 | PCB-164 | 3.4 | | 0.24 | 0.013 |
| 74472-46-1 | PCB-165 | ND | | 0.24 | 0.015 |
| 41411-63-6 | PCB-166 | 7.6 | C128 B | 0.49 | 0.015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 1.7 | | 0.24 | 0.010 |
| 59291-65-5 | PCB-168 | 40 | C153 B | 0.49 | 0.013 |
| 32774-16-6 | PCB-169 | ND | | 0.24 | 0.012 |
| 35065-30-6 | PCB-170 | 11 | B | 0.24 | 0.014 |
| 52663-71-5 | PCB-171 | 3.7 | C | 0.49 | 0.013 |
| 52663-74-8 | PCB-172 | 1.9 | | 0.24 | 0.013 |
| 68194-16-1 | PCB-173 | 3.7 | C171 | 0.49 | 0.013 |
| 38411-25-5 | PCB-174 | 13 | B | 0.24 | 0.013 |
| 40186-70-7 | PCB-175 | 0.54 | | 0.24 | 0.012 |
| 52663-65-7 | PCB-176 | 1.6 | | 0.24 | 0.0085 |
| 52663-70-4 | PCB-177 | 7.4 | B | 0.24 | 0.014 |
| 52663-67-9 | PCB-178 | 2.7 | | 0.24 | 0.013 |
| 52663-64-6 | PCB-179 | 5.5 | | 0.24 | 0.0091 |
| 35065-29-3 | PCB-180 | 24 | C B | 0.49 | 0.010 |
| 74472-47-2 | PCB-181 | 0.15 | J | 0.24 | 0.012 |
| 60145-23-5 | PCB-182 | 0.14 | J | 0.24 | 0.011 |
| 52663-69-1 | PCB-183 | 7.9 | C B | 0.49 | 0.011 |
| 74472-48-3 | PCB-184 | ND | | 0.24 | 0.0091 |
| 52712-05-7 | PCB-185 | 7.9 | C183 B | 0.49 | 0.011 |
| 74472-49-4 | PCB-186 | ND | | 0.24 | 0.0090 |
| 52663-68-0 | PCB-187 | 15 | B | 0.24 | 0.012 |
| 74487-85-7 | PCB-188 | 0.057 | J | 0.24 | 0.0082 |
| 39635-31-9 | PCB-189 | 0.37 | | 0.24 | 0.013 |
| 41411-64-7 | PCB-190 | 2.1 | B | 0.24 | 0.0094 |
| 74472-50-7 | PCB-191 | 0.50 | | 0.24 | 0.0093 |
| 74472-51-8 | PCB-192 | ND | | 0.24 | 0.010 |
| 69782-91-8 | PCB-193 | 24 | C180 B | 0.49 | 0.010 |
| 35694-08-7 | PCB-194 | 5.3 | | 0.24 | 0.025 |
| 52663-78-2 | PCB-195 | 2.3 | | 0.24 | 0.029 |
| 42740-50-1 | PCB-196 | 2.5 | | 0.24 | 0.014 |
| 33091-17-7 | PCB-197 | 0.18 | J q | 0.24 | 0.010 |
| 68194-17-2 | PCB-198 | 5.8 | C B | 0.49 | 0.015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *5.8* | *C198 B* | *0.49* | *0.015* |
| *52663-73-7* | *PCB-200* | *0.73* | | *0.24* | *0.011* |
| *40186-71-8* | *PCB-201* | *0.73* | | *0.24* | *0.010* |
| *2136-99-4* | *PCB-202* | *1.2* | | *0.24* | *0.012* |
| *52663-76-0* | *PCB-203* | *3.5* | | *0.24* | *0.013* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.24* | *0.011* |
| *74472-53-0* | *PCB-205* | *0.27* | | *0.24* | *0.019* |
| *40186-72-9* | *PCB-206* | *2.6* | | *0.24* | *0.042* |
| *52663-79-3* | *PCB-207* | *0.29* | | *0.24* | *0.029* |
| *52663-77-1* | *PCB-208* | *0.68* | | *0.24* | *0.029* |
| *2051-24-3* | *PCB-209* | *1.5* | | *0.24* | *0.017* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *1.7* | *q* | *0.24* | *0.015* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *4.2* | *q B* | *0.49* | *0.040* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *16* | *q* | *0.49* | *0.024* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *110* | *q B* | *0.97* | *0.024* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *280* | *q B* | *1.5* | *0.059* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *220* | *q B* | *0.97* | *0.014* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *98* | *B* | *0.49* | *0.011* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *23* | *q B* | *0.49* | *0.015* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *3.6* | | *0.24* | *0.033* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *760* | *q B* | *1.5* | *0.026* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-40to50-82719  Lab Sample ID: 580-88908-28

Matrix: Solid  Lab File ID: 580-88908-a-28-ca.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:10

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.75(g)  Date Analyzed: 09/26/2019 04:52

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 45.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33925  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 83 | | 30-140 |
| 208263-77-8 | PCB-3L | 89 | | 30-140 |
| 234432-86-1 | PCB-4L | 77 | | 30-140 |
| 208263-67-6 | PCB-15L | 82 | | 30-140 |
| 234432-87-2 | PCB-19L | 77 | | 30-140 |
| 208263-79-0 | PCB-37L | 87 | | 30-140 |
| 234432-88-3 | PCB-54L | 101 | | 30-140 |
| 105600-23-5 | PCB-77L | 93 | | 30-140 |
| 208461-24-9 | PCB-81L | 90 | | 30-140 |
| 234432-89-4 | PCB-104L | 89 | | 30-140 |
| 208263-62-1 | PCB-105L | 86 | | 30-140 |
| 208263-63-2 | PCB-114L | 85 | | 30-140 |
| 104130-40-7 | PCB-118L | 85 | | 30-140 |
| 208263-64-3 | PCB-123L | 85 | | 30-140 |
| 208263-65-4 | PCB-126L | 88 | | 30-140 |
| 234432-90-7 | PCB-155L | 103 | | 30-140 |
| 208263-68-7 | PCB-156L | 84 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 84 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 81 | | 30-140 |
| 208263-70-1 | PCB-169L | 86 | | 30-140 |
| 160901-80-4 | PCB-170L | 81 | | 30-140 |
| 234432-91-8 | PCB-188L | 87 | | 30-140 |
| 208263-73-4 | PCB-189L | 89 | | 30-140 |
| 105600-26-8 | PCB-202L | 93 | | 30-140 |
| 234446-64-1 | PCB-205L | 83 | | 30-140 |
| 208263-75-6 | PCB-206L | 69 | | 30-140 |
| 234432-92-9 | PCB-208L | 82 | | 30-140 |
| 105600-27-9 | PCB-209L | 50 | *q* | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 78 | | 40-125 |
| 235416-29-2 | PCB-111L | 93 | | 40-125 |
| 232919-67-4 | PCB-178L | 95 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d
Lims ID: 580-88908-A-28-C
Client ID: J5-SC1b-40to50-82719
Sample Type: Client
Inject. Date: 26-Sep-2019 04:52:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013185-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 26-Sep-2019 14:51:58 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0334

First Level Reviewer: nordquistj Date: 26-Sep-2019 14:51:58

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 6.960 | 6.909 | 0.0607 | 0.0607 | | RQ |
| D PCB-1L | 11:58 | 53683 | 2.96 | 1.3140 | 16.6 | 16.6 | 0.5733 | 0.5733 | 83.08 | Ma |
| D PCB-3L | 14:03 | 59868 | 2.94 | 1.3615 | 17.9 | 17.9 | 0.5533 | 0.5533 | 89.42 | |
| PCB-1 | 11:59 | 17311 | 3.26 | 1.1883 | 5.428 | 5.428 | 0.0528 | 0.0528 | | |
| PCB-2 | 13:53 | 714 | 3.13 | 1.1911 | 0.2623 | 0.2112 | 0.0603 | 0.0603 | | RQ |
| PCB-3 | 14:04 | 4611 | 2.80 | 1.2130 | 1.270 | 1.270 | 0.0690 | 0.0690 | | M |
| S Total Dichlorobiphenyls | | | | | 17.6 | 17.3 | 0.1665 | 0.1665 | | RQ |
| D PCB-4L | 14:17 | 22570 | 1.65 | 0.5996 | 15.3 | 15.3 | 0.3590 | 0.3590 | 76.55 | Ma |
| * PCB-9L | 16:12 | 49173 | 1.74 | 4E+04 | 20.0 | 20.0 | | | | M |
| D PCB-15L | 20:03 | 41534 | 1.62 | 1.0280 | 16.4 | 16.4 | 0.2094 | 0.2094 | 82.16 | Ma |
| PCB-4 | 14:18 | 9202 | 1.41 | 1.2533 | 6.506 | 6.506 | 0.3073 | 0.3073 | | M |
| PCB-10 | 14:29 | 234 | 1.56 | 1.4828 | 0.2575 | 0.0985 | 0.1661 | 0.1661 | | RQM |
| PCB-9 | 16:14 | 841 | 1.56 | 1.4200 | 0.4825 | 0.3696 | 0.1735 | 0.1735 | | RQa |
| PCB-7 | 16:22 | 648 | 1.56 | 1.6244 | 0.2750 | 0.2489 | 0.1517 | 0.1517 | | RQMa |
| PCB-6 | 16:36 | 4214 | 1.41 | 1.5539 | 1.692 | 1.692 | 0.1585 | 0.1585 | | a |
| PCB-5 | 16:55 | 598 | 1.67 | 1.5606 | 0.2391 | 0.2391 | 0.1578 | 0.1578 | | M |
| PCB-8 | 17:02 | 12121 | 1.58 | 1.5884 | 4.762 | 4.762 | 0.1551 | 0.1551 | | M |
| PCB-14 | 18:38 | | | | | | 0.1315 | 0.1315 | | |
| PCB-11 | 19:28 | 828 | 1.40 | 1.6347 | 0.3161 | 0.3161 | 0.1507 | 0.1507 | | Ma |
| PCB-12 | 19:45 | 2051 | 1.54 | 1.6410 | 0.7799 | 0.7799 | 0.1501 | 0.1501 | | Ma |
| PCB-13 (C12) | 19:45 | 2051 | 1.54 | 1.6410 | 0.7799 | 0.7799 | 0.1501 | 0.1501 | | Ma |
| PCB-15 | 20:04 | 6554 | 1.37 | 1.4024 | 2.250 | 2.250 | 0.1291 | 0.1291 | | M |
| S Total Trichlorobiphenyl | | | | | 64.6 | 64.4 | 0.0988 | 0.0988 | | RQ |
| D PCB-19L | 17:19 | 14023 | 0.91 | 0.6095 | 15.5 | 15.5 | 2.933 | 2.933 | 77.47 | |
| * PCB-32L | 20:32 | 29701 | 1.14 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:46 | 121098 | 1.03 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:04 | 104075 | 1.05 | 1.0975 | 15.7 | 15.7 | 0.2296 | 0.2296 | 78.31 | |
| D PCB-37L | 27:03 | 95242 | 1.10 | 0.9024 | 17.4 | 17.4 | 0.2793 | 0.2793 | 87.15 | |
| PCB-19 | 17:20 | 1318 | 1.07 | 1.3047 | 1.441 | 1.441 | 0.1191 | 0.1191 | | Ma |
| PCB-18 | 19:10 | 9318 | 1.18 | 1.8188 | 7.307 | 7.307 | 0.0854 | 0.0854 | | |
| PCB-30 (C18) | 19:10 | 9318 | 1.18 | 1.8188 | 7.307 | 7.307 | 0.0854 | 0.0854 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:34 | 5381 | 1.12 | 1.5641 | 4.907 | 4.907 | 0.0994 | 0.0994 | | a |
| PCB-27 | 19:48 | 830 | 1.04 | 2.1680 | 0.6374 | 0.5460 | 0.0717 | 0.0717 | | RQa |
| PCB-24 | 19:55 | 154 | 1.04 | 2.1018 | 0.1513 | 0.1045 | 0.0739 | 0.0739 | | RQMa |
| PCB-16 | 20:02 | 2868 | 1.05 | 1.2260 | 3.336 | 3.336 | 0.1268 | 0.1268 | | Ma |
| PCB-32 | 20:32 | 4383 | 1.17 | 2.3416 | 2.670 | 2.670 | 0.0664 | 0.0664 | | a |
| PCB-34 | 21:47 | 1465 | 0.98 | 1.2154 | 0.2531 | 0.2531 | 0.1103 | 0.1103 | | a |
| PCB-23 | 21:58 | | | | | | 0.1057 | 0.1057 | | |
| PCB-26 | 22:14 | 19315 | 1.03 | 1.3193 | 3.074 | 3.074 | 0.1016 | 0.1016 | | a |
| PCB-29 (C26) | 22:14 | 19315 | 1.03 | 1.3193 | 3.074 | 3.074 | 0.1016 | 0.1016 | | a |
| PCB-25 | 22:29 | 11980 | 1.03 | 1.3523 | 1.860 | 1.860 | 0.0991 | 0.0991 | | |
| PCB-31 | 22:47 | 67576 | 1.05 | 1.3809 | 10.3 | 10.3 | 0.0971 | 0.0971 | | M |
| PCB-20 | 23:04 | 94936 | 1.07 | 1.3057 | 15.3 | 15.3 | 0.1026 | 0.1026 | | |
| PCB-28 (C20) | 23:04 | 94936 | 1.07 | 1.3057 | 15.3 | 15.3 | 0.1026 | 0.1026 | | |
| PCB-21 | 23:19 | 39705 | 1.07 | 1.3777 | 6.052 | 6.052 | 0.0973 | 0.0973 | | |
| PCB-33 (C21) | 23:19 | 39705 | 1.07 | 1.3777 | 6.052 | 6.052 | 0.0973 | 0.0973 | | |
| PCB-22 | 23:43 | 17295 | 1.11 | 1.2430 | 2.922 | 2.922 | 0.1078 | 0.1078 | | |
| PCB-36 | 25:16 | 511 | 1.04 | 1.3468 | 0.0925 | 0.0797 | 0.0995 | 0.0995 | | RnQMa |
| PCB-39 | 25:38 | 2660 | 1.18 | 1.3970 | 0.3998 | 0.3998 | 0.0959 | 0.0959 | | |
| PCB-38 | 26:14 | | | | | | 0.1017 | 0.1017 | | |
| PCB-35 | 26:39 | 1981 | 1.04 | 1.2166 | 0.3782 | 0.3419 | 0.1102 | 0.1102 | | RQM |
| PCB-37 | 27:03 | 21660 | 1.05 | 1.2879 | 3.532 | 3.532 | 0.1041 | 0.1041 | | M |
| S Total Tetrachlorobiphen | | | | | 442.1 | 441.9 | 0.0967 | 0.0967 | | RQ |
| D PCB-54L | 20:21 | 19548 | 0.87 | 0.6515 | 20.2 | 20.2 | 0.2889 | 0.2889 | 101 | |
| * PCB-52L | 24:53 | 56862 | 0.86 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:47 | 62813 | 0.80 | 1.2328 | 17.9 | 17.9 | 0.1045 | 0.1045 | 89.60 | |
| D PCB-77L | 34:21 | 66183 | 0.78 | 1.2523 | 18.6 | 18.6 | 0.1029 | 0.1029 | 92.95 | |
| PCB-54 | 20:22 | 158 | 0.77 | 1.2558 | 0.1556 | 0.1287 | 0.0684 | 0.0684 | | RQMa |
| PCB-50 | 22:31 | 13075 | 0.79 | 0.9362 | 4.331 | 4.331 | 0.1217 | 0.1217 | | |
| PCB-53 (C50) | 22:31 | 13075 | 0.79 | 0.9362 | 4.331 | 4.331 | 0.1217 | 0.1217 | | |
| PCB-45 | 23:11 | 12785 | 0.79 | 0.8850 | 4.479 | 4.479 | 0.1287 | 0.1287 | | M |
| PCB-51 (C45) | 23:11 | 12785 | 0.79 | 0.8850 | 4.479 | 4.479 | 0.1287 | 0.1287 | | M |
| PCB-46 | 23:29 | 3176 | 0.79 | 0.7591 | 1.297 | 1.297 | 0.1501 | 0.1501 | | |
| PCB-52 | 24:54 | 306735 | 0.79 | 0.8992 | 105.8 | 105.8 | 0.1267 | 0.1267 | | |
| PCB-43 | 25:08 | 2576 | 0.77 | 0.9993 | 0.9104 | 0.7993 | 0.1140 | 0.1140 | | RQ |
| PCB-73 (C43) | 25:08 | 2576 | 0.77 | 0.9993 | 0.9104 | 0.7993 | 0.1140 | 0.1140 | | RQ |
| PCB-49 | 25:23 | 155707 | 0.81 | 1.1366 | 42.5 | 42.5 | 0.1002 | 0.1002 | | |
| PCB-69 (C49) | 25:23 | 155707 | 0.81 | 1.1366 | 42.5 | 42.5 | 0.1002 | 0.1002 | | |
| PCB-48 | 25:40 | 12238 | 0.81 | 0.9454 | 4.014 | 4.014 | 0.1205 | 0.1205 | | |
| PCB-44 | 25:53 | 170442 | 0.78 | 1.0323 | 51.2 | 51.2 | 0.1103 | 0.1103 | | |
| PCB-47 (C44) | 25:53 | 170442 | 0.78 | 1.0323 | 51.2 | 51.2 | 0.1103 | 0.1103 | | |
| PCB-65 (C44) | 25:53 | 170442 | 0.78 | 1.0323 | 51.2 | 51.2 | 0.1103 | 0.1103 | | |
| PCB-59 | 26:14 | 13230 | 0.85 | 1.3609 | 3.014 | 3.014 | 0.0837 | 0.0837 | | |
| PCB-62 (C59) | 26:14 | 13230 | 0.85 | 1.3609 | 3.014 | 3.014 | 0.0837 | 0.0837 | | |
| PCB-75 (C59) | 26:14 | 13230 | 0.85 | 1.3609 | 3.014 | 3.014 | 0.0837 | 0.0837 | | |
| PCB-42 | 26:25 | 30175 | 0.76 | 0.8670 | 10.8 | 10.8 | 0.1314 | 0.1314 | | |
| PCB-40 | 26:54 | 44011 | 0.79 | 0.9179 | 14.9 | 14.9 | 0.1241 | 0.1241 | | M |
| PCB-41 (C40) | 26:54 | 44011 | 0.79 | 0.9179 | 14.9 | 14.9 | 0.1241 | 0.1241 | | M |
| PCB-71 (C40) | 26:54 | 44011 | 0.79 | 0.9179 | 14.9 | 14.9 | 0.1241 | 0.1241 | | M |
| PCB-64 | 27:08 | 62080 | 0.81 | 1.4164 | 13.6 | 13.6 | 0.0804 | 0.0804 | | |
| PCB-72 | 27:58 | 11950 | 0.82 | 1.3157 | 2.816 | 2.816 | 0.0866 | 0.0866 | | |
| PCB-68 | 28:15 | 7282 | 0.79 | 1.4782 | 1.528 | 1.528 | 0.0771 | 0.0771 | | |
| PCB-57 | 28:40 | 1108 | 0.80 | 1.2817 | 0.2681 | 0.2681 | 0.0889 | 0.0889 | | M |
| PCB-58 | 28:54 | 2853 | 0.80 | 1.3214 | 0.6695 | 0.6695 | 0.0862 | 0.0862 | | Ma |
| PCB-67 | 29:04 | 4948 | 0.66 | 1.3944 | 1.100 | 1.100 | 0.0817 | 0.0817 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:20 | 9094 | 0.86 | 1.4685 | 1.920 | 1.920 | 0.0776 | 0.0776 | | |
| PCB-61 | 29:40 | 421932 | 0.80 | 1.3565 | 96.4 | 96.4 | 0.0840 | 0.0840 | | |
| PCB-70 (C61) | 29:40 | 421932 | 0.80 | 1.3565 | 96.4 | 96.4 | 0.0840 | 0.0840 | | |
| PCB-74 (C61) | 29:40 | 421932 | 0.80 | 1.3565 | 96.4 | 96.4 | 0.0840 | 0.0840 | | |
| PCB-76 (C61) | 29:40 | 421932 | 0.80 | 1.3565 | 96.4 | 96.4 | 0.0840 | 0.0840 | | |
| PCB-66 | 30:00 | 229639 | 0.80 | 1.2800 | 55.6 | 55.6 | 0.0890 | 0.0890 | | M |
| PCB-55 | 30:08 | 2274 | 0.77 | 1.2951 | 0.5445 | 0.5445 | 0.0880 | 0.0880 | | Ma |
| PCB-56 | 30:40 | 61129 | 0.80 | 1.2671 | 15.0 | 15.0 | 0.0899 | 0.0899 | | |
| PCB-60 | 30:52 | 11490 | 0.83 | 1.3288 | 2.681 | 2.681 | 0.0857 | 0.0857 | | |
| PCB-80 | 31:18 | 1046 | 0.77 | 1.4694 | 0.2653 | 0.2207 | 0.0775 | 0.0775 | | RQM |
| PCB-79 | 32:49 | 9176 | 0.66 | 1.5421 | 1.845 | 1.845 | 0.0739 | 0.0739 | | |
| PCB-78 | 33:24 | | | | | | 0.0866 | 0.0866 | | |
| PCB-81 | 33:47 | 577 | 0.77 | 1.3214 | 0.1766 | 0.1390 | 0.0888 | 0.0888 | | RQMa |
| PCB-77 | 34:21 | 19036 | 0.80 | 1.3308 | 4.323 | 4.323 | 0.0832 | 0.0832 | | |
| S Total Pentachlorobiphen | | | | | 1169.8 | 1169.3 | 0.2443 | 0.2443 | | RQ |
| D PCB-104L | 25:50 | 37074 | 1.55 | 1.1164 | 17.9 | 17.9 | 0.1781 | 0.1781 | 89.45 | |
| * PCB-101L | 31:43 | 37125 | 1.79 | 3.4E+04 | 20.0 | 20.0 | | | | R |
| $ PCB-111L | 34:24 | 42103 | 1.62 | 1.2177 | 18.6 | 18.6 | 0.1633 | 0.1633 | 93.13 | |
| D PCB-123L | 36:21 | 70137 | 1.62 | 0.9909 | 17.0 | 17.0 | 0.2283 | 0.2283 | 85.11 | |
| D PCB-118L | 36:41 | 72743 | 1.68 | 1.0256 | 17.1 | 17.1 | 0.2206 | 0.2206 | 85.29 | |
| D PCB-114L | 37:12 | 71211 | 1.51 | 1.0030 | 17.1 | 17.1 | 0.2256 | 0.2256 | 85.37 | |
| D PCB-105L | 37:51 | 71794 | 1.55 | 1.0013 | 17.2 | 17.2 | 0.2260 | 0.2260 | 86.22 | |
| * PCB-127L | 39:20 | 83161 | 1.60 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:57 | 65751 | 1.71 | 0.9020 | 17.5 | 17.5 | 0.2508 | 0.2508 | 87.65 | |
| PCB-104 | 25:53 | | | | | | 0.1372 | 0.1372 | | |
| PCB-96 | 26:13 | 2095 | 1.55 | 1.2268 | 1.071 | 0.9212 | 0.1557 | 0.1557 | | RQ |
| PCB-103 | 28:09 | 7657 | 1.48 | 1.0331 | 3.998 | 3.998 | 0.1849 | 0.1849 | | |
| PCB-94 | 28:24 | 1396 | 1.55 | 0.9036 | 1.012 | 0.8334 | 0.2114 | 0.2114 | | RQMa |
| PCB-95 | 28:48 | 255370 | 1.61 | 0.9620 | 143.2 | 143.2 | 0.1986 | 0.1986 | | M |
| PCB-93 | 29:02 | 4488 | 1.50 | 0.9806 | 2.469 | 2.469 | 0.1948 | 0.1948 | | |
| PCB-100 (C93) | 29:02 | 4488 | 1.50 | 0.9806 | 2.469 | 2.469 | 0.1948 | 0.1948 | | |
| PCB-98 | 29:10 | 9330 | 1.54 | 0.9888 | 5.090 | 5.090 | 0.1932 | 0.1932 | | |
| PCB-102 (C98) | 29:10 | 9330 | 1.54 | 0.9888 | 5.090 | 5.090 | 0.1932 | 0.1932 | | |
| PCB-88 | 29:40 | 47142 | 1.59 | 1.0052 | 25.3 | 25.3 | 0.1900 | 0.1900 | | |
| PCB-91 (C88) | 29:40 | 47142 | 1.59 | 1.0052 | 25.3 | 25.3 | 0.1900 | 0.1900 | | |
| PCB-84 | 29:53 | 74816 | 1.55 | 0.8601 | 46.9 | 46.9 | 0.2221 | 0.2221 | | M |
| PCB-89 | 30:22 | 2020 | 1.78 | 0.8936 | 1.220 | 1.220 | 0.2138 | 0.2138 | | M |
| PCB-121 | 30:46 | 659 | 1.39 | 1.3971 | 0.2545 | 0.2545 | 0.1367 | 0.1367 | | M |
| PCB-92 | 31:09 | 75446 | 1.59 | 0.9532 | 42.7 | 42.7 | 0.2004 | 0.2004 | | |
| PCB-90 | 31:44 | 405982 | 1.59 | 1.1367 | 192.7 | 192.7 | 0.1681 | 0.1681 | | |
| PCB-101 (C90) | 31:44 | 405982 | 1.59 | 1.1367 | 192.7 | 192.7 | 0.1681 | 0.1681 | | |
| PCB-113 (C90) | 31:44 | 405982 | 1.59 | 1.1367 | 192.7 | 192.7 | 0.1681 | 0.1681 | | |
| PCB-83 | 32:19 | 207249 | 1.63 | 0.9393 | 119.0 | 119.0 | 0.2034 | 0.2034 | | M |
| PCB-99 (C83) | 32:19 | 207249 | 1.63 | 0.9393 | 119.0 | 119.0 | 0.2034 | 0.2034 | | M |
| PCB-112 | 32:28 | | | | | | 0.1397 | 0.1397 | | |
| PCB-86 | 32:54 | 239655 | 1.62 | 1.1958 | 108.1 | 108.1 | 0.1597 | 0.1597 | | M |
| PCB-87 (C86) | 32:54 | 239655 | 1.62 | 1.1958 | 108.1 | 108.1 | 0.1597 | 0.1597 | | M |
| PCB-97 (C86) | 32:54 | 239655 | 1.62 | 1.1958 | 108.1 | 108.1 | 0.1597 | 0.1597 | | M |
| PCB-109 (C86) | 32:54 | 239655 | 1.62 | 1.1958 | 108.1 | 108.1 | 0.1597 | 0.1597 | | M |
| PCB-119 (C86) | 32:54 | 239655 | 1.62 | 1.1958 | 108.1 | 108.1 | 0.1597 | 0.1597 | | M |
| PCB-125 (C86) | 32:54 | 239655 | 1.62 | 1.1958 | 108.1 | 108.1 | 0.1597 | 0.1597 | | M |
| PCB-85 | 33:33 | 62393 | 1.62 | 1.2126 | 27.8 | 27.8 | 0.1575 | 0.1575 | | |
| PCB-116 (C85) | 33:33 | 62393 | 1.62 | 1.2126 | 27.8 | 27.8 | 0.1575 | 0.1575 | | |
| PCB-117 (C85) | 33:33 | 62393 | 1.62 | 1.2126 | 27.8 | 27.8 | 0.1575 | 0.1575 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:43 | 525518 | 1.62 | 1.3511 | 209.8 | 209.8 | 0.1414 | 0.1414 | | a |
| PCB-115 (C110) | 33:43 | 525518 | 1.62 | 1.3511 | 209.8 | 209.8 | 0.1414 | 0.1414 | | a |
| PCB-82 | 34:01 | 30505 | 1.56 | 0.8675 | 19.0 | 19.0 | 0.2202 | 0.2202 | | M |
| PCB-111 | 34:26 | 926 | 1.55 | 1.4262 | 0.5352 | 0.3503 | 0.1339 | 0.1339 | | RQMa |
| PCB-120 | 34:53 | 5909 | 1.36 | 1.4907 | 2.138 | 2.138 | 0.1281 | 0.1281 | | M |
| PCB-108 | 36:01 | 24009 | 1.63 | 1.2547 | 5.442 | 5.442 | 0.4008 | 0.4008 | | |
| PCB-124 (C108) | 36:01 | 24009 | 1.63 | 1.2547 | 5.442 | 5.442 | 0.4008 | 0.4008 | | |
| PCB-107 | 36:16 | 63285 | 1.66 | 1.3580 | 13.3 | 13.3 | 0.3703 | 0.3703 | | M |
| PCB-123 | 36:22 | 10481 | 1.44 | 1.3407 | 2.229 | 2.229 | 0.3620 | 0.3620 | | Ma |
| PCB-106 | 36:32 | | | | | | 0.3945 | 0.3945 | | |
| PCB-118 | 36:43 | 688154 | 1.56 | 1.2892 | 146.8 | 146.8 | 0.3786 | 0.3786 | | |
| PCB-122 | 37:02 | 8530 | 1.70 | 1.1614 | 2.089 | 2.089 | 0.4330 | 0.4330 | | |
| PCB-114 | 37:14 | 14448 | 1.59 | 1.4051 | 2.888 | 2.888 | 0.3520 | 0.3520 | | |
| PCB-105 | 37:53 | 205092 | 1.59 | 1.2887 | 44.3 | 44.3 | 0.3874 | 0.3874 | | |
| PCB-127 | 39:23 | | | | | | 0.3916 | 0.3916 | | |
| PCB-126 | 40:58 | 2202 | 1.38 | 1.3416 | 0.4993 | 0.4993 | 0.4121 | 0.4121 | | Ma |
| S Total Hexachlorobipheny | | | | | 909.0 | 908.7 | 0.0567 | 0.0567 | | RQ |
| D PCB-155L | 31:30 | 36256 | 1.20 | 0.9499 | 20.6 | 20.6 | 0.1099 | 0.1099 | 103 | |
| * PCB-138L | 39:49 | 55320 | 1.21 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:49 | 56520 | 1.30 | 1.2544 | 16.3 | 16.3 | 0.1254 | 0.1254 | 81.45 | |
| D PCB-156L | 43:58 | 113560 | 1.32 | 1.2289 | 33.4 | 33.4 | 0.1280 | 0.1280 | 83.52 | |
| D PCB-157L (C156L) | 43:58 | 113560 | 1.32 | 1.2289 | 33.4 | 33.4 | 0.1280 | 0.1280 | 83.52 | |
| D PCB-169L | 47:13 | 52066 | 1.18 | 1.0883 | 17.3 | 17.3 | 0.1446 | 0.1446 | 86.48 | |
| PCB-155 | 31:31 | 139 | 1.24 | 1.3028 | 0.0800 | 0.0589 | 0.0332 | 0.0332 | | RQMa |
| PCB-152 | 31:43 | 455 | 1.24 | 1.2556 | 0.2183 | 0.1999 | 0.0344 | 0.0344 | | RQM |
| PCB-150 | 31:53 | 1588 | 1.33 | 1.2368 | 0.7082 | 0.7082 | 0.0350 | 0.0350 | | |
| PCB-136 | 32:13 | 52423 | 1.28 | 1.1563 | 25.0 | 25.0 | 0.0374 | 0.0374 | | |
| PCB-145 | 32:33 | 340 | 1.24 | 1.1910 | 0.1816 | 0.1575 | 0.0363 | 0.0363 | | RQM |
| PCB-148 | 34:04 | 1446 | 1.24 | 0.8982 | 0.990 | 0.8881 | 0.0481 | 0.0481 | | RQ |
| PCB-135 | 34:37 | 100920 | 1.28 | 0.8691 | 64.1 | 64.1 | 0.0498 | 0.0498 | | |
| PCB-151 (C135) | 34:37 | 100920 | 1.28 | 0.8691 | 64.1 | 64.1 | 0.0498 | 0.0498 | | |
| PCB-154 | 34:54 | 9965 | 1.28 | 1.0180 | 5.400 | 5.400 | 0.0425 | 0.0425 | | |
| PCB-144 | 35:12 | 11821 | 1.20 | 0.9185 | 7.100 | 7.100 | 0.0471 | 0.0471 | | |
| PCB-147 | 35:34 | 451975 | 1.27 | 0.9747 | 167.0 | 167.0 | 0.0692 | 0.0692 | | |
| PCB-149 (C147) | 35:34 | 451975 | 1.27 | 0.9747 | 167.0 | 167.0 | 0.0692 | 0.0692 | | |
| PCB-134 | 35:45 | 27943 | 1.26 | 0.8518 | 11.8 | 11.8 | 0.0791 | 0.0791 | | Ma |
| PCB-143 (C134) | 35:45 | 27943 | 1.26 | 0.8518 | 11.8 | 11.8 | 0.0791 | 0.0791 | | Ma |
| PCB-139 | 36:10 | 11795 | 1.26 | 0.9995 | 4.250 | 4.250 | 0.0674 | 0.0674 | | |
| PCB-140 (C139) | 36:10 | 11795 | 1.26 | 0.9995 | 4.250 | 4.250 | 0.0674 | 0.0674 | | |
| PCB-131 | 36:21 | 7128 | 1.27 | 0.8584 | 2.990 | 2.990 | 0.0785 | 0.0785 | | |
| PCB-142 | 36:33 | | | | | | 0.0784 | 0.0784 | | |
| PCB-132 | 36:49 | 166868 | 1.27 | 0.8801 | 68.3 | 68.3 | 0.0766 | 0.0766 | | |
| PCB-133 | 37:20 | 11235 | 1.30 | 0.9064 | 4.464 | 4.464 | 0.0744 | 0.0744 | | |
| PCB-165 | 37:45 | | | | | | 0.0601 | 0.0601 | | |
| PCB-146 | 37:59 | 109900 | 1.26 | 1.0084 | 39.3 | 39.3 | 0.0669 | 0.0669 | | M |
| PCB-161 | 38:09 | | | | | | 0.0504 | 0.0504 | | |
| PCB-153 | 38:36 | 554180 | 1.27 | 1.2207 | 163.5 | 163.5 | 0.0552 | 0.0552 | | |
| PCB-168 (C153) | 38:36 | 554180 | 1.27 | 1.2207 | 163.5 | 163.5 | 0.0552 | 0.0552 | | |
| PCB-141 | 38:47 | 81670 | 1.32 | 0.9608 | 30.6 | 30.6 | 0.0702 | 0.0702 | | |
| PCB-130 | 39:12 | 34692 | 1.24 | 0.8274 | 15.1 | 15.1 | 0.0815 | 0.0815 | | |
| PCB-137 | 39:24 | 25942 | 1.43 | 1.0582 | 8.828 | 8.828 | 0.0637 | 0.0637 | | |
| PCB-164 | 39:32 | 48671 | 1.17 | 1.2527 | 14.0 | 14.0 | 0.0538 | 0.0538 | | |
| PCB-129 | 39:50 | 582876 | 1.26 | 1.0840 | 193.6 | 193.6 | 0.0622 | 0.0622 | | |
| PCB-138 (C129) | 39:50 | 582876 | 1.26 | 1.0840 | 193.6 | 193.6 | 0.0622 | 0.0622 | | |
| PCB-160 (C129) | 39:50 | 582876 | 1.26 | 1.0840 | 193.6 | 193.6 | 0.0622 | 0.0622 | | |
| PCB-163 (C129) | 39:50 | 582876 | 1.26 | 1.0840 | 193.6 | 193.6 | 0.0622 | 0.0622 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:14 | 70094 | 1.32 | 1.3862 | 18.2 | 18.2 | 0.0486 | 0.0486 | | |
| PCB-128 | 41:06 | 96906 | 1.24 | 1.1165 | 31.3 | 31.3 | 0.0604 | 0.0604 | | M |
| PCB-166 (C128) | 41:06 | 96906 | 1.24 | 1.1165 | 31.3 | 31.3 | 0.0604 | 0.0604 | | M |
| PCB-159 | 42:04 | 6501 | 1.10 | 1.3178 | 1.777 | 1.777 | 0.0512 | 0.0512 | | M |
| PCB-162 | 42:22 | 2548 | 1.24 | 1.3623 | 0.7859 | 0.6736 | 0.0495 | 0.0495 | | RQM |
| PCB-167 | 42:51 | 26116 | 1.28 | 1.3357 | 6.919 | 6.919 | 0.0422 | 0.0422 | | |
| PCB-156 | 43:58 | 81818 | 1.25 | 1.2759 | 22.6 | 22.6 | 0.0605 | 0.0605 | | |
| PCB-157 (C156) | 43:58 | 81818 | 1.25 | 1.2759 | 22.6 | 22.6 | 0.0605 | 0.0605 | | |
| PCB-169 | 47:15 | | | | | | 0.0497 | 0.0497 | | |
| S Total Heptachlorobiphen | | | | | 396.5 | 396.5 | 0.0457 | 0.0457 | | |
| D PCB-188L | 37:13 | 44856 | 1.05 | 1.3162 | 17.4 | 17.4 | 0.0804 | 0.0804 | 87.23 | |
| $ PCB-178L | 40:17 | 34273 | 1.10 | 0.9222 | 19.0 | 19.0 | 0.1147 | 0.1147 | 95.12 | |
| * PCB-180L | 45:23 | 39069 | 1.12 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:37 | 26462 | 1.05 | 0.8357 | 16.2 | 16.2 | 0.1266 | 0.1266 | 81.05 | |
| D PCB-189L | 49:44 | 72093 | 1.07 | 1.4666 | 17.8 | 17.8 | 0.2408 | 0.2408 | 88.84 | |
| PCB-188 | 37:15 | 654 | 0.95 | 1.2502 | 0.2332 | 0.2332 | 0.0337 | 0.0337 | | M |
| PCB-179 | 37:34 | 56612 | 1.07 | 1.4149 | 22.4 | 22.4 | 0.0374 | 0.0374 | | Ma |
| PCB-184 | 38:09 | | | | | | 0.0373 | 0.0373 | | |
| PCB-176 | 38:28 | 17472 | 1.08 | 1.5212 | 6.442 | 6.442 | 0.0348 | 0.0348 | | |
| PCB-186 | 38:57 | | | | | | 0.0369 | 0.0369 | | |
| PCB-178 | 40:18 | 19888 | 1.06 | 1.0228 | 10.9 | 10.9 | 0.0518 | 0.0518 | | |
| PCB-175 | 40:56 | 4196 | 1.05 | 1.0690 | 2.202 | 2.202 | 0.0496 | 0.0496 | | |
| PCB-187 | 41:13 | 123391 | 1.08 | 1.1106 | 62.3 | 62.3 | 0.0477 | 0.0477 | | |
| PCB-182 | 41:24 | 1181 | 1.12 | 1.1484 | 0.5768 | 0.5768 | 0.0461 | 0.0461 | | Ma |
| PCB-183 | 41:49 | 65735 | 1.05 | 1.1368 | 32.4 | 32.4 | 0.0466 | 0.0466 | | |
| PCB-185 (C183) | 41:49 | 65735 | 1.05 | 1.1368 | 32.4 | 32.4 | 0.0466 | 0.0466 | | |
| PCB-174 | 42:03 | 88141 | 1.09 | 0.9547 | 51.8 | 51.8 | 0.0555 | 0.0555 | | |
| PCB-177 | 42:29 | 51116 | 1.10 | 0.9426 | 30.4 | 30.4 | 0.0562 | 0.0562 | | |
| PCB-181 | 42:52 | 1212 | 1.02 | 1.1075 | 0.6138 | 0.6138 | 0.0478 | 0.0478 | | |
| PCB-171 | 43:07 | 25970 | 1.01 | 0.9603 | 15.2 | 15.2 | 0.0552 | 0.0552 | | |
| PCB-173 (C171) | 43:07 | 25970 | 1.01 | 0.9603 | 15.2 | 15.2 | 0.0552 | 0.0552 | | |
| PCB-172 | 44:45 | 13688 | 1.05 | 0.9918 | 7.741 | 7.741 | 0.0534 | 0.0534 | | |
| PCB-192 | 45:03 | | | | | | 0.0411 | 0.0411 | | |
| PCB-180 | 45:24 | 211972 | 1.09 | 1.2286 | 96.8 | 96.8 | 0.0431 | 0.0431 | | a |
| PCB-193 (C180) | 45:24 | 211972 | 1.09 | 1.2286 | 96.8 | 96.8 | 0.0431 | 0.0431 | | a |
| PCB-191 | 45:46 | 5101 | 1.02 | 1.3848 | 2.066 | 2.066 | 0.0383 | 0.0383 | | |
| PCB-170 | 46:39 | 74504 | 1.07 | 1.2700 | 44.3 | 44.3 | 0.0561 | 0.0561 | | |
| PCB-190 | 47:10 | 20949 | 1.13 | 1.3774 | 8.530 | 8.530 | 0.0385 | 0.0385 | | |
| PCB-189 | 49:46 | 7094 | 1.02 | 1.2799 | 1.538 | 1.538 | 0.0533 | 0.0533 | | |
| S Total Octachlorobipheny | | | | | 93.1 | 93.0 | 0.0632 | 0.0632 | | RQ |
| D PCB-202L | 42:36 | 36394 | 0.90 | 1.0055 | 18.5 | 18.5 | 0.0802 | 0.0802 | 92.64 | |
| * PCB-194L | 51:52 | 55329 | 0.94 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:20 | 58805 | 0.94 | 1.2867 | 16.5 | 16.5 | 0.1423 | 0.1423 | 82.60 | |
| PCB-202 | 42:37 | 9635 | 0.96 | 1.0531 | 5.028 | 5.028 | 0.0478 | 0.0478 | | |
| PCB-201 | 43:32 | 6499 | 0.93 | 1.1860 | 3.011 | 3.011 | 0.0424 | 0.0424 | | |
| PCB-204 | 44:15 | | | | | | 0.0457 | 0.0457 | | |
| PCB-197 | 44:26 | 1616 | 0.89 | 1.2053 | 0.8512 | 0.7368 | 0.0417 | 0.0417 | | RQa |
| PCB-200 | 44:33 | 6111 | 1.02 | 1.1260 | 2.982 | 2.982 | 0.0447 | 0.0447 | | |
| PCB-198 | 47:22 | 35638 | 0.90 | 0.8183 | 23.9 | 23.9 | 0.0615 | 0.0615 | | |
| PCB-199 (C198) | 47:22 | 35638 | 0.90 | 0.8183 | 23.9 | 23.9 | 0.0615 | 0.0615 | | |
| PCB-196 | 48:01 | 16530 | 0.90 | 0.8748 | 10.4 | 10.4 | 0.0575 | 0.0575 | | |
| PCB-203 | 48:12 | 24453 | 0.92 | 0.9219 | 14.6 | 14.6 | 0.0546 | 0.0546 | | |
| PCB-195 | 49:31 | 22142 | 0.89 | 0.7839 | 9.607 | 9.607 | 0.1210 | 0.1210 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:53 | 59056 | 0.88 | 0.9282 | 21.6 | 21.6 | 0.1021 | 0.1021 | | |
| PCB-205 | 52:21 | 4006 | 0.88 | 1.2342 | 1.104 | 1.104 | 0.0768 | 0.0768 | | |
| S Total Nonachlorobipheny | | | | | 14.6 | 14.6 | 0.1368 | 0.1368 | | |
| D PCB-208L | 49:17 | 51369 | 0.75 | 1.1383 | 16.3 | 16.3 | 0.2853 | 0.2853 | 81.56 | |
| D PCB-206L | 54:05 | 33942 | 0.86 | 0.8938 | 13.7 | 13.7 | 0.3633 | 0.3633 | 68.63 | |
| PCB-208 | 49:18 | 8355 | 0.76 | 1.1567 | 2.812 | 2.812 | 0.1201 | 0.1201 | | |
| PCB-207 | 50:16 | 3568 | 0.87 | 1.3964 | 1.198 | 1.198 | 0.1186 | 0.1186 | | |
| PCB-206 | 54:07 | 21526 | 0.77 | 1.1927 | 10.6 | 10.6 | 0.1718 | 0.1718 | | |
| D PCB-209L | 55:44 | 27175 | 0.69 | 0.9809 | 10.8 | 10.0 | 0.1059 | 0.1059 | 54.17 | RQ |
| DCB Decachlorobiphenyl | 55:46 | 11235 | 0.73 | 1.2455 | 6.136 | 6.136 | 0.0680 | 0.0680 | | |
| S Polychlorinated bipheny | | | | | 3113.4 | 6.136 | 0.1085 | 0.1085 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- n - Failed Sig-To-Noise Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d
Lims ID: 580-88908-A-28-C
Client ID: J5-SC1b-40to50-82719
Sample Type: Client
Inject. Date: 26-Sep-2019 04:52:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013185-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 26-Sep-2019 14:51:58 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0334

First Level Reviewer: nordquistj Date: 26-Sep-2019 14:51:58

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 11:58 | 11:58 | 12 | 0.739 | 40124 | 12831 | 33 | 82 | 389 | | M |
| 202.0766 | 11:57 | 11:58 | 12 | 0.738 | 13559 | 3730 | 166 | 415 | 22 | 2.96(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 14:03 | 13:59 | 8 | 0.867 | 44685 | 9275 | 33 | 82 | 281 | | |
| 202.0766 | 14:03 | 13:59 | 8 | 0.867 | 15183 | 3144 | 166 | 415 | 19 | 2.94(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:59 | 12:02 | 11 | 1.001 | 13243 | 4649 | 13 | 32 | 358 | | |
| 190.0363 | 11:59 | 12:02 | 11 | 1.001 | 4068 | 1424 | 8 | 20 | 178 | 3.26(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | RQ |
| 188.0393 | 13:53 | 13:55 | 7 | 0.989 | 714 | 200 | 13 | 32 | 15 | | |
| | Empc Correction | | | | 541 | 162 | 13 | 32 | 12 | | |
| 190.0363 | 13:53 | 13:55 | 6 | 0.988 | 173 | 52 | 8 | 20 | 7 | 4.13(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | M |
| 188.0393 | 14:04 | 14:04 | 7 | 1.001 | 3397 | 750 | 13 | 32 | 58 | | |
| 190.0363 | 14:04 | 14:04 | 7 | 1.001 | 1214 | 263 | 8 | 20 | 33 | 2.80(2.66-3.60) | M |
| PCB-4L | | | | | | | | | | | Ma |
| 234.0406 | 14:17 | 14:17 | 7 | 0.881 | 14063 | 3044 | 37 | 92 | 82 | | M |
| 236.0376 | 14:17 | 14:17 | 7 | 0.881 | 8507 | 1889 | 20 | 50 | 94 | 1.65(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | M |
| 234.0406 | 16:12 | 16:09 | 3 | | 31244 | 8644 | 37 | 92 | 234 | | M |
| 236.0376 | 16:12 | 16:09 | 3 | | 17929 | 4551 | 20 | 50 | 228 | 1.74(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | Ma |
| 234.0406 | 20:03 | 20:03 | 1 | 1.238 | 25709 | 6203 | 37 | 92 | 168 | | M |
| 236.0376 | 20:03 | 20:03 | 1 | 1.238 | 15825 | 4290 | 20 | 50 | 215 | 1.62(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | M |
| 222.0003 | 14:18 | 14:19 | 6 | 1.002 | 5385 | 1816 | 23 | 57 | 79 | | M |
| 223.9974 | 14:18 | 14:19 | 6 | 1.002 | 3817 | 1166 | 15 | 37 | 78 | 1.41(1.33-1.79) | M |
| PCB-10 | | | | | | | | | | | RQM |
| 222.0003 | 14:29 | 14:29 | 6 | 1.014 | 143 | 112 | 23 | 57 | 5 | | M |
| 223.9974 | 14:29 | 14:29 | 6 | 1.014 | 469 | 119 | 15 | 37 | 8 | 0.30(1.33-1.79) | M |
| | Empc Correction | | | | 91 | 71 | 15 | 37 | 5 | | |
| PCB-9 | | | | | | | | | | | RQa |
| 222.0003 | 16:14 | 16:14 | 3 | 1.136 | 513 | 125 | 23 | 57 | 5 | | a |
| 223.9974 | 16:13 | 16:14 | 3 | 1.136 | 585 | 95 | 15 | 37 | 6 | 0.88(1.33-1.79) | |
| | Empc Correction | | | | 328 | 80 | 15 | 37 | 5 | | |
| PCB-7 | | | | | | | | | | | RQMa |
| 222.0003 | 16:22 | 16:23 | 2 | 1.147 | 395 | 133 | 23 | 57 | 6 | | a |
| 223.9974 | 16:23 | 16:23 | 3 | 1.147 | 321 | 98 | 15 | 37 | 7 | 1.23(1.33-1.79) | M |
| | Empc Correction | | | | 253 | 85 | 15 | 37 | 6 | | |
| PCB-6 | | | | | | | | | | | a |
| 222.0003 | 16:36 | 16:38 | 2 | 1.163 | 2463 | 615 | 23 | 57 | 27 | | a |
| 223.9974 | 16:36 | 16:38 | 2 | 1.163 | 1751 | 376 | 15 | 37 | 25 | 1.41(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | M |
| 222.0003 | 16:55 | 16:55 | 3 | 1.185 | 374 | 95 | 23 | 57 | 4 | | M |
| 223.9974 | 16:55 | 16:55 | 2 | 1.184 | 224 | 76 | 15 | 37 | 5 | 1.67(1.33-1.79) | M |
| PCB-8 | | | | | | | | | | | M |
| 222.0003 | 17:02 | 17:02 | 2 | 1.193 | 7418 | 1999 | 23 | 57 | 87 | | M |
| 223.9974 | 17:02 | 17:02 | 2 | 1.193 | 4703 | 1225 | 15 | 37 | 82 | 1.58(1.33-1.79) | M |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:39 | | | | | | 23 | 57 | | | |
| 223.9974 | 18:39 | | | | | | 15 | 37 | | | |
| PCB-11 | | | | | | | | | | | Ma |
| 222.0003 | 19:28 | 19:28 | 0 | 0.971 | 483 | 144 | 23 | 57 | 6 | | M |
| 223.9974 | 19:28 | 19:28 | 0 | 0.971 | 345 | 87 | 15 | 37 | 6 | 1.40(1.33-1.79) | M |
| PCB-12 | | | | | | | | | | | Ma |
| 222.0003 | 19:45 | 19:45 | -2 | 0.984 | 1242 | 203 | 23 | 57 | 9 | | M |
| 223.9974 | 19:46 | 19:45 | -1 | 0.986 | 809 | 151 | 15 | 37 | 10 | 1.54(1.33-1.79) | M |
| PCB-13 (C12) | | | | | | | | | | | Ma |
| 222.0003 | 19:45 | 19:45 | -2 | 0.984 | 1242 | 203 | 23 | 57 | 9 | | M |
| 223.9974 | 19:46 | 19:45 | -1 | 0.986 | 809 | 151 | 15 | 37 | 10 | 1.54(1.33-1.79) | M |
| PCB-15 | | | | | | | | | | | M |
| 222.0003 | 20:04 | 20:04 | 0 | 1.001 | 3794 | 873 | 23 | 57 | 38 | | |
| 223.9974 | 20:04 | 20:04 | 0 | 1.001 | 2760 | 576 | 15 | 37 | 38 | 1.37(1.33-1.79) | M |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:16 | 3 | 0.843 | 6667 | 1815 | 204 | 510 | 9 | | |
| 269.9986 | 17:19 | 17:16 | 3 | 0.843 | 7356 | 2046 | 62 | 155 | 33 | 0.91(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:31 | 0 | | 15853 | 3951 | 204 | 510 | 19 | | |
| 269.9986 | 20:31 | 20:31 | -1 | | 13848 | 3488 | 62 | 155 | 56 | 1.14(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:46 | 22:47 | -1 | | 61505 | 14955 | 94 | 235 | 159 | | |
| 269.9986 | 22:46 | 22:47 | -1 | | 59593 | 14408 | 54 | 135 | 267 | 1.03(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:03 | -1 | 1.013 | 53259 | 12819 | 94 | 235 | 136 | | |
| 269.9986 | 23:04 | 23:03 | -1 | 1.013 | 50816 | 12626 | 54 | 135 | 234 | 1.05(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:03 | 27:02 | -1 | 1.188 | 49992 | 11100 | 94 | 235 | 118 | | |
| 269.9986 | 27:02 | 27:02 | -2 | 1.187 | 45250 | 9791 | 54 | 135 | 181 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | Ma |
| 255.9613 | 17:20 | 17:20 | 2 | 1.002 | 682 | 169 | 4 | 10 | 42 | | M |
| 257.9584 | 17:20 | 17:20 | 1 | 1.001 | 636 | 190 | 8 | 20 | 24 | 1.07(0.88-1.20) | M |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:13 | 1 | 1.107 | 5051 | 1328 | 4 | 10 | 332 | | |
| 257.9584 | 19:10 | 19:13 | 1 | 1.107 | 4267 | 1131 | 8 | 20 | 141 | 1.18(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:13 | 1 | 1.107 | 5051 | 1328 | 4 | 10 | 332 | | |
| 257.9584 | 19:10 | 19:13 | 1 | 1.107 | 4267 | 1131 | 8 | 20 | 141 | 1.18(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | a |
| 255.9613 | 19:34 | 19:35 | -1 | 1.131 | 2840 | 709 | 4 | 10 | 177 | | a |
| 257.9584 | 19:34 | 19:35 | -1 | 1.131 | 2541 | 623 | 8 | 20 | 78 | 1.12(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | RQa |
| 255.9613 | 19:48 | 19:48 | 0 | 1.143 | 562 | 161 | 4 | 10 | 40 | | a |
| | Empc Correction | | | | 423 | 131 | 4 | 10 | 33 | | |
| 257.9584 | 19:47 | 19:48 | -1 | 1.143 | 407 | 126 | 8 | 20 | 16 | 1.38(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | RQMa |
| 255.9613 | 19:55 | 19:54 | -1 | 1.150 | 79 | 23 | 4 | 10 | 6 | | M |
| 257.9584 | 19:58 | 19:54 | 3 | 1.153 | 144 | 31 | 8 | 20 | 4 | 0.55(0.88-1.20) | |
| | Empc Correction | | | | 75 | 22 | 8 | 20 | 3 | | |
| PCB-16 | | | | | | | | | | | Ma |
| 255.9613 | 20:02 | 20:02 | -1 | 1.157 | 1466 | 363 | 4 | 10 | 91 | | M |
| 257.9584 | 20:02 | 20:02 | -1 | 1.157 | 1402 | 367 | 8 | 20 | 46 | 1.05(0.88-1.20) | M |
| PCB-32 | | | | | | | | | | | a |
| 255.9613 | 20:32 | 20:32 | -1 | 1.186 | 2366 | 602 | 4 | 10 | 151 | | a |
| 257.9584 | 20:32 | 20:32 | -1 | 1.186 | 2017 | 559 | 8 | 20 | 70 | 1.17(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | a |
| 255.9613 | 21:47 | 21:48 | -1 | 1.259 | 725 | 153 | 28 | 70 | 5 | | a |
| 257.9584 | 21:48 | 21:48 | -1 | 1.259 | 740 | 172 | 28 | 70 | 6 | 0.98(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | | | | | | 28 | 70 | | | |
| 257.9584 | 22:02 | | | | | | 28 | 70 | | | |
| PCB-26 | | | | | | | | | | | a |
| 255.9613 | 22:14 | 22:15 | -3 | 1.284 | 9807 | 2371 | 28 | 70 | 85 | | a |
| 257.9584 | 22:14 | 22:15 | -3 | 1.284 | 9508 | 2282 | 28 | 70 | 82 | 1.03(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-29 (C26) | | | | | | | | | | | a |
| 255.9613 | 22:14 | 22:15 | -3 | 1.284 | 9807 | 2371 | 28 | 70 | 85 | | a |
| 257.9584 | 22:14 | 22:15 | -3 | 1.284 | 9508 | 2282 | 28 | 70 | 82 | 1.03(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:29 | 22:28 | -1 | 0.831 | 6065 | 1427 | 28 | 70 | 51 | | |
| 257.9584 | 22:29 | 22:28 | -1 | 0.831 | 5915 | 1418 | 28 | 70 | 51 | 1.03(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | M |
| 255.9613 | 22:47 | 22:46 | -1 | 0.842 | 34571 | 8375 | 28 | 70 | 299 | | M |
| 257.9584 | 22:47 | 22:46 | -1 | 0.842 | 33005 | 8063 | 28 | 70 | 288 | 1.05(0.88-1.20) | M |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:05 | -2 | 0.853 | 49000 | 11517 | 28 | 70 | 411 | | |
| 257.9584 | 23:04 | 23:05 | -2 | 0.853 | 45936 | 10885 | 28 | 70 | 389 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:05 | -2 | 0.853 | 49000 | 11517 | 28 | 70 | 411 | | |
| 257.9584 | 23:04 | 23:05 | -2 | 0.853 | 45936 | 10885 | 28 | 70 | 389 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:19 | 23:17 | -1 | 0.862 | 20565 | 4801 | 28 | 70 | 171 | | |
| 257.9584 | 23:19 | 23:17 | -1 | 0.862 | 19140 | 4665 | 28 | 70 | 167 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:19 | 23:17 | -1 | 0.862 | 20565 | 4801 | 28 | 70 | 171 | | |
| 257.9584 | 23:19 | 23:17 | -1 | 0.862 | 19140 | 4665 | 28 | 70 | 167 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:43 | 23:41 | -1 | 0.877 | 9111 | 2060 | 28 | 70 | 74 | | |
| 257.9584 | 23:43 | 23:41 | -1 | 0.877 | 8184 | 1902 | 28 | 70 | 68 | 1.11(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | RnQMa |
| 255.9613 | 25:16 | 25:15 | -2 | 0.934 | 261 | 72 | 28 | 70 | 3 | | M |
| 257.9584 | 25:17 | 25:15 | -1 | 0.935 | 332 | 69 | 28 | 70 | 2 | 0.79(0.88-1.20) | M |
| | Empc Correction | | | | 250 | 69 | 28 | 70 | 2 | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:38 | 25:36 | -1 | 0.948 | 1441 | 269 | 28 | 70 | 10 | | |
| 257.9584 | 25:37 | 25:36 | -1 | 0.947 | 1219 | 292 | 28 | 70 | 10 | 1.18(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:12 | | | | | | 28 | 70 | | | |
| 257.9584 | 26:12 | | | | | | 28 | 70 | | | |
| PCB-35 | | | | | | | | | | | RQM |
| 255.9613 | 26:39 | 26:40 | -2 | 0.985 | 1010 | 202 | 28 | 70 | 7 | | |
| 257.9584 | 26:40 | 26:40 | -1 | 0.986 | 1181 | 275 | 28 | 70 | 10 | 0.86(0.88-1.20) | M |
| | Empc Correction | | | | 971 | 194 | 28 | 70 | 7 | | |
| PCB-37 | | | | | | | | | | | M |
| 255.9613 | 27:03 | 27:03 | -2 | 1.000 | 11108 | 2353 | 28 | 70 | 84 | | M |
| 257.9584 | 27:03 | 27:03 | -2 | 1.000 | 10552 | 2225 | 28 | 70 | 79 | 1.05(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:18 | 0 | 0.818 | 9110 | 2527 | 14 | 35 | 181 | | |
| 303.9597 | 20:21 | 20:18 | 1 | 0.818 | 10438 | 2596 | 14 | 35 | 185 | 0.87(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:53 | 24:55 | -2 | | 26254 | 6099 | 13 | 32 | 469 | | |
| 303.9597 | 24:53 | 24:55 | -2 | | 30608 | 7091 | 21 | 52 | 338 | 0.86(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:47 | 33:46 | -2 | 1.358 | 27835 | 5532 | 13 | 32 | 426 | | |
| 303.9597 | 33:47 | 33:46 | -2 | 1.358 | 34978 | 7590 | 21 | 52 | 361 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:21 | 34:19 | -2 | 1.381 | 28943 | 6404 | 13 | 32 | 493 | | |
| 303.9597 | 34:20 | 34:19 | -3 | 1.380 | 37240 | 7512 | 21 | 52 | 358 | 0.78(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | RQMa |
| 289.9224 | 20:22 | 20:22 | -1 | 1.000 | 69 | 15 | 4 | 10 | 4 | | M |
| 291.9194 | 20:21 | 20:22 | -1 | 0.999 | 122 | 32 | 5 | 12 | 6 | 0.57(0.65-0.89) | a |
| | Empc Correction | | | | 89 | 19 | 5 | 12 | 4 | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | -2 | 1.107 | 5758 | 1315 | 15 | 37 | 88 | | |
| 291.9194 | 22:31 | 22:34 | -2 | 1.107 | 7317 | 1698 | 16 | 40 | 106 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | -2 | 1.107 | 5758 | 1315 | 15 | 37 | 88 | | |
| 291.9194 | 22:31 | 22:34 | -2 | 1.107 | 7317 | 1698 | 16 | 40 | 106 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:11 | 23:18 | -7 | 1.139 | 5627 | 779 | 15 | 37 | 52 | | M |
| 291.9194 | 23:11 | 23:18 | -7 | 1.139 | 7158 | 994 | 16 | 40 | 62 | 0.79(0.65-0.89) | M |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:11 | 23:18 | -7 | 1.139 | 5627 | 779 | 15 | 37 | 52 | | M |
| 291.9194 | 23:11 | 23:18 | -7 | 1.139 | 7158 | 994 | 16 | 40 | 62 | 0.79(0.65-0.89) | M |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:29 | 23:29 | -2 | 1.154 | 1399 | 352 | 15 | 37 | 23 | | |
| 291.9194 | 23:30 | 23:29 | -1 | 1.155 | 1777 | 455 | 16 | 40 | 28 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:54 | 24:53 | -1 | 1.224 | 135758 | 31265 | 15 | 37 | 2084 | | |
| 291.9194 | 24:54 | 24:53 | -2 | 1.224 | 170977 | 39184 | 16 | 40 | 2449 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | RQ |
| 289.9224 | 25:08 | 25:01 | 3 | 1.236 | 1121 | 228 | 15 | 37 | 15 | | |
| 291.9194 | 25:08 | 25:01 | 3 | 1.236 | 1813 | 317 | 16 | 40 | 20 | 0.62(0.65-0.89) | |
| | Empc Correction | | | | 1455 | 296 | 16 | 40 | 19 | | |
| PCB-73 (C43) | | | | | | | | | | | RQ |
| 289.9224 | 25:08 | 25:01 | 3 | 1.236 | 1121 | 228 | 15 | 37 | 15 | | |
| 291.9194 | 25:08 | 25:01 | 3 | 1.236 | 1813 | 317 | 16 | 40 | 20 | 0.62(0.65-0.89) | |
| | Empc Correction | | | | 1455 | 296 | 16 | 40 | 19 | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:24 | 0 | 1.248 | 69797 | 16087 | 15 | 37 | 1072 | | |
| 291.9194 | 25:23 | 25:24 | 0 | 1.248 | 85910 | 19843 | 16 | 40 | 1240 | 0.81(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:24 | 0 | 1.248 | 69797 | 16087 | 15 | 37 | 1072 | | |
| 291.9194 | 25:23 | 25:24 | 0 | 1.248 | 85910 | 19843 | 16 | 40 | 1240 | 0.81(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:40 | 25:40 | -2 | 1.262 | 5484 | 1208 | 15 | 37 | 81 | | |
| 291.9194 | 25:40 | 25:40 | -2 | 1.262 | 6754 | 1486 | 16 | 40 | 93 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:53 | -4 | 1.272 | 74683 | 12594 | 15 | 37 | 840 | | |
| 291.9194 | 25:53 | 25:53 | -4 | 1.272 | 95759 | 16018 | 16 | 40 | 1001 | 0.78(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:53 | -4 | 1.272 | 74683 | 12594 | 15 | 37 | 840 | | |
| 291.9194 | 25:53 | 25:53 | -4 | 1.272 | 95759 | 16018 | 16 | 40 | 1001 | 0.78(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:53 | -4 | 1.272 | 74683 | 12594 | 15 | 37 | 840 | | |
| 291.9194 | 25:53 | 25:53 | -4 | 1.272 | 95759 | 16018 | 16 | 40 | 1001 | 0.78(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 0 | 1.290 | 6065 | 914 | 15 | 37 | 61 | | |
| 291.9194 | 26:14 | 26:16 | 0 | 1.290 | 7165 | 1127 | 16 | 40 | 70 | 0.85(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 0 | 1.290 | 6065 | 914 | 15 | 37 | 61 | | |
| 291.9194 | 26:14 | 26:16 | 0 | 1.290 | 7165 | 1127 | 16 | 40 | 70 | 0.85(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 0 | 1.290 | 6065 | 914 | 15 | 37 | 61 | | |
| 291.9194 | 26:14 | 26:16 | 0 | 1.290 | 7165 | 1127 | 16 | 40 | 70 | 0.85(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:25 | 26:24 | -2 | 1.299 | 13002 | 2971 | 15 | 37 | 198 | | |
| 291.9194 | 26:25 | 26:24 | -2 | 1.299 | 17173 | 4070 | 16 | 40 | 254 | 0.76(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:54 | 26:54 | -2 | 1.322 | 19485 | 4073 | 15 | 37 | 272 | | M |
| 291.9194 | 26:54 | 26:54 | -2 | 1.322 | 24526 | 5022 | 16 | 40 | 314 | 0.79(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:54 | 26:54 | -2 | 1.322 | 19485 | 4073 | 15 | 37 | 272 | | M |
| 291.9194 | 26:54 | 26:54 | -2 | 1.322 | 24526 | 5022 | 16 | 40 | 314 | 0.79(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:54 | 26:54 | -2 | 1.322 | 19485 | 4073 | 15 | 37 | 272 | | M |
| 291.9194 | 26:54 | 26:54 | -2 | 1.322 | 24526 | 5022 | 16 | 40 | 314 | 0.79(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:08 | 27:07 | -2 | 1.334 | 27764 | 6227 | 15 | 37 | 415 | | |
| 291.9194 | 27:07 | 27:07 | -3 | 1.333 | 34316 | 7506 | 16 | 40 | 469 | 0.81(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:58 | 27:57 | -2 | 0.828 | 5397 | 1193 | 15 | 37 | 80 | | |
| 291.9194 | 27:58 | 27:57 | -2 | 0.828 | 6553 | 1491 | 16 | 40 | 93 | 0.82(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:15 | 28:15 | -2 | 0.836 | 3214 | 784 | 15 | 37 | 52 | | |
| 291.9194 | 28:15 | 28:15 | -2 | 0.836 | 4068 | 781 | 16 | 40 | 49 | 0.79(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | M |
| 289.9224 | 28:40 | 28:40 | -3 | 0.848 | 493 | 100 | 15 | 37 | 7 | | M |
| 291.9194 | 28:40 | 28:40 | -2 | 0.849 | 615 | 120 | 16 | 40 | 8 | 0.80(0.65-0.89) | M |
| PCB-58 | | | | | | | | | | | Ma |
| 289.9224 | 28:54 | 28:54 | -2 | 0.855 | 1268 | 383 | 15 | 37 | 26 | | a |
| 291.9194 | 28:54 | 28:54 | -2 | 0.855 | 1585 | 413 | 16 | 40 | 26 | 0.80(0.65-0.89) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:04 | 29:05 | -3 | 0.860 | 1962 | 431 | 15 | 37 | 29 | | |
| 291.9194 | 29:04 | 29:05 | -3 | 0.860 | 2986 | 605 | 16 | 40 | 38 | 0.66(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:20 | 29:20 | -2 | 0.868 | 4212 | 932 | 15 | 37 | 62 | | |
| 291.9194 | 29:20 | 29:20 | -2 | 0.868 | 4882 | 1020 | 16 | 40 | 64 | 0.86(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -2 | 0.878 | 187487 | 32061 | 15 | 37 | 2137 | | |
| 291.9194 | 29:40 | 29:40 | -2 | 0.878 | 234445 | 40708 | 16 | 40 | 2544 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -2 | 0.878 | 187487 | 32061 | 15 | 37 | 2137 | | |
| 291.9194 | 29:40 | 29:40 | -2 | 0.878 | 234445 | 40708 | 16 | 40 | 2544 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -2 | 0.878 | 187487 | 32061 | 15 | 37 | 2137 | | |
| 291.9194 | 29:40 | 29:40 | -2 | 0.878 | 234445 | 40708 | 16 | 40 | 2544 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -2 | 0.878 | 187487 | 32061 | 15 | 37 | 2137 | | |
| 291.9194 | 29:40 | 29:40 | -2 | 0.878 | 234445 | 40708 | 16 | 40 | 2544 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | M |
| 289.9224 | 30:00 | 29:59 | -2 | 0.888 | 102370 | 21359 | 15 | 37 | 1424 | | M |
| 291.9194 | 30:00 | 29:59 | -2 | 0.888 | 127269 | 26504 | 16 | 40 | 1657 | 0.80(0.65-0.89) | M |
| PCB-55 | | | | | | | | | | | Ma |
| 289.9224 | 30:08 | 30:08 | -4 | 0.892 | 992 | 163 | 15 | 37 | 11 | | M |
| 291.9194 | 30:07 | 30:08 | -4 | 0.892 | 1282 | 266 | 16 | 40 | 17 | 0.77(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:40 | 30:39 | -1 | 0.908 | 27223 | 5739 | 15 | 37 | 383 | | |
| 291.9194 | 30:39 | 30:39 | -2 | 0.907 | 33906 | 7100 | 16 | 40 | 444 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:52 | 30:52 | -2 | 0.914 | 5204 | 1073 | 15 | 37 | 72 | | |
| 291.9194 | 30:52 | 30:52 | -2 | 0.914 | 6286 | 1273 | 16 | 40 | 80 | 0.83(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | RQM |
| 289.9224 | 31:18 | 31:18 | -2 | 0.926 | 666 | 104 | 15 | 37 | 7 | | M |
| | Empc Correction | | | | 455 | 95 | 15 | 37 | 6 | | |
| 291.9194 | 31:18 | 31:18 | -2 | 0.926 | 591 | 124 | 16 | 40 | 8 | 1.13(0.65-0.89) | M |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:49 | 32:48 | -1 | 0.971 | 3632 | 817 | 15 | 37 | 54 | | |
| 291.9194 | 32:49 | 32:48 | -1 | 0.971 | 5544 | 1186 | 16 | 40 | 74 | 0.66(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:22 | | | | | | 15 | 37 | | | |
| 291.9194 | 33:22 | | | | | | 16 | 40 | | | |
| PCB-81 | | | | | | | | | | | RQMa |
| 289.9224 | 33:47 | 33:48 | -3 | 1.000 | 407 | 119 | 15 | 37 | 8 | | M |
| | Empc Correction | | | | 251 | 90 | 15 | 37 | 6 | | |
| 291.9194 | 33:46 | 33:48 | -4 | 1.000 | 326 | 118 | 16 | 40 | 7 | 1.25(0.65-0.89) | M |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:21 | 34:20 | -2 | 1.000 | 8478 | 1722 | 15 | 37 | 115 | | |
| 291.9194 | 34:21 | 34:20 | -2 | 1.000 | 10558 | 2305 | 16 | 40 | 144 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:50 | 25:49 | -1 | 0.815 | 22561 | 5152 | 20 | 50 | 258 | | |
| 339.9178 | 25:49 | 25:49 | -2 | 0.814 | 14513 | 3224 | 12 | 30 | 269 | 1.55(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | R |
| 337.9207 | 31:43 | 31:45 | -2 | | 23799 | 5081 | 20 | 50 | 254 | | |
| 339.9178 | 31:43 | 31:45 | -2 | | 13326 | 2964 | 12 | 30 | 247 | 1.79(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:24 | 34:24 | -2 | 1.085 | 26050 | 5273 | 20 | 50 | 264 | | |
| 339.9178 | 34:25 | 34:24 | -1 | 1.085 | 16053 | 3435 | 12 | 30 | 286 | 1.62(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:21 | 36:22 | -3 | 1.147 | 43388 | 9070 | 37 | 92 | 245 | | |
| 339.9178 | 36:21 | 36:22 | -3 | 1.147 | 26749 | 5766 | 39 | 97 | 148 | 1.62(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:41 | 36:40 | -2 | 1.157 | 45630 | 9241 | 37 | 92 | 250 | | |
| 339.9178 | 36:41 | 36:40 | -2 | 1.157 | 27113 | 5512 | 39 | 97 | 141 | 1.68(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:12 | 37:13 | -3 | 1.173 | 42893 | 8882 | 37 | 92 | 240 | | |
| 339.9178 | 37:13 | 37:13 | -2 | 1.174 | 28318 | 5675 | 39 | 97 | 146 | 1.51(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:51 | 37:51 | -3 | 1.194 | 43641 | 9042 | 37 | 92 | 244 | | |
| 339.9178 | 37:51 | 37:51 | -3 | 1.194 | 28153 | 5378 | 39 | 97 | 138 | 1.55(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:20 | 39:22 | -1 | | 51127 | 10315 | 37 | 92 | 279 | | |
| 339.9178 | 39:20 | 39:22 | -1 | | 32034 | 6481 | 39 | 97 | 166 | 1.60(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:57 | 40:56 | -2 | 1.291 | 41494 | 8380 | 37 | 92 | 226 | | |
| 339.9178 | 40:57 | 40:56 | -2 | 1.291 | 24257 | 4643 | 39 | 97 | 119 | 1.71(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:52 | | | | | | 18 | 45 | | | |
| 327.8775 | 25:52 | | | | | | 14 | 35 | | | |
| PCB-96 | | | | | | | | | | | RQ |
| 325.8804 | 26:13 | 26:12 | -1 | 1.015 | 1274 | 326 | 18 | 45 | 18 | | |
| 327.8775 | 26:12 | 26:12 | -2 | 1.014 | 1162 | 212 | 14 | 35 | 15 | 1.10(1.32-1.78) | |
| | Empc Correction | | | | 821 | 210 | 14 | 35 | 15 | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:09 | 28:09 | -2 | 1.090 | 4573 | 989 | 18 | 45 | 55 | | |
| 327.8775 | 28:09 | 28:09 | -2 | 1.090 | 3084 | 630 | 14 | 35 | 45 | 1.48(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | RQMa |
| 325.8804 | 28:24 | 28:21 | -1 | 1.099 | 849 | 157 | 18 | 45 | 9 | | M |
| 327.8775 | 28:22 | 28:21 | -2 | 1.098 | 846 | 156 | 14 | 35 | 11 | 1.00(1.32-1.78) | a |
| | Empc Correction | | | | 547 | 101 | 14 | 35 | 7 | | |
| PCB-95 | | | | | | | | | | | M |
| 325.8804 | 28:48 | 28:48 | -2 | 1.115 | 157538 | 35294 | 18 | 45 | 1961 | | |
| 327.8775 | 28:48 | 28:48 | -2 | 1.115 | 97832 | 21749 | 14 | 35 | 1554 | 1.61(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:01 | -2 | 1.124 | 2693 | 511 | 18 | 45 | 28 | | |
| 327.8775 | 29:01 | 29:01 | -3 | 1.123 | 1795 | 331 | 14 | 35 | 24 | 1.50(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:01 | -2 | 1.124 | 2693 | 511 | 18 | 45 | 28 | | |
| 327.8775 | 29:01 | 29:01 | -3 | 1.123 | 1795 | 331 | 14 | 35 | 24 | 1.50(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:09 | -2 | 1.129 | 5663 | 1020 | 18 | 45 | 57 | | |
| 327.8775 | 29:10 | 29:09 | -2 | 1.129 | 3667 | 614 | 14 | 35 | 44 | 1.54(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:09 | -2 | 1.129 | 5663 | 1020 | 18 | 45 | 57 | | |
| 327.8775 | 29:10 | 29:09 | -2 | 1.129 | 3667 | 614 | 14 | 35 | 44 | 1.54(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:40 | 29:40 | -2 | 1.148 | 28938 | 6289 | 18 | 45 | 349 | | |
| 327.8775 | 29:40 | 29:40 | -2 | 1.148 | 18204 | 3918 | 14 | 35 | 280 | 1.59(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:40 | 29:40 | -2 | 1.148 | 28938 | 6289 | 18 | 45 | 349 | | |
| 327.8775 | 29:40 | 29:40 | -2 | 1.148 | 18204 | 3918 | 14 | 35 | 280 | 1.59(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | M |
| 325.8804 | 29:53 | 29:52 | -2 | 1.157 | 45455 | 10000 | 18 | 45 | 556 | | M |
| 327.8775 | 29:53 | 29:52 | -2 | 1.157 | 29361 | 6329 | 14 | 35 | 452 | 1.55(1.32-1.78) | M |
| PCB-89 | | | | | | | | | | | M |
| 325.8804 | 30:22 | 30:21 | -2 | 1.175 | 1294 | 262 | 18 | 45 | 15 | | M |
| 327.8775 | 30:20 | 30:21 | -4 | 1.174 | 726 | 153 | 14 | 35 | 11 | 1.78(1.32-1.78) | M |
| PCB-121 | | | | | | | | | | | M |
| 325.8804 | 30:46 | 30:47 | -3 | 1.191 | 383 | 82 | 18 | 45 | 5 | | M |
| 327.8775 | 30:47 | 30:47 | -2 | 1.192 | 276 | 59 | 14 | 35 | 4 | 1.39(1.32-1.78) | M |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:09 | 31:08 | -2 | 0.857 | 46348 | 10127 | 18 | 45 | 563 | | |
| 327.8775 | 31:09 | 31:08 | -2 | 0.857 | 29098 | 6161 | 14 | 35 | 440 | 1.59(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:43 | -1 | 1.229 | 249336 | 53267 | 18 | 45 | 2959 | | |
| 327.8775 | 31:44 | 31:43 | -1 | 1.229 | 156646 | 33084 | 14 | 35 | 2363 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:43 | -1 | 1.229 | 249336 | 53267 | 18 | 45 | 2959 | | |
| 327.8775 | 31:44 | 31:43 | -1 | 1.229 | 156646 | 33084 | 14 | 35 | 2363 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:43 | -1 | 1.229 | 249336 | 53267 | 18 | 45 | 2959 | | |
| 327.8775 | 31:44 | 31:43 | -1 | 1.229 | 156646 | 33084 | 14 | 35 | 2363 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:19 | 32:19 | -2 | 1.251 | 128342 | 25513 | 18 | 45 | 1417 | | M |
| 327.8775 | 32:19 | 32:19 | -2 | 1.251 | 78907 | 15520 | 14 | 35 | 1109 | 1.63(1.32-1.78) | M |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:19 | 32:19 | -2 | 1.251 | 128342 | 25513 | 18 | 45 | 1417 | | M |
| 327.8775 | 32:19 | 32:19 | -2 | 1.251 | 78907 | 15520 | 14 | 35 | 1109 | 1.63(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:27 | | | | | | 18 | 45 | | | |
| 327.8775 | 32:27 | | | | | | 14 | 35 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:48 | 4 | 1.274 | 148151 | 16196 | 18 | 45 | 900 | | M |
| 327.8775 | 32:49 | 32:48 | -1 | 1.270 | 91504 | 9876 | 14 | 35 | 705 | 1.62(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:48 | 4 | 1.274 | 148151 | 16196 | 18 | 45 | 900 | | M |
| 327.8775 | 32:49 | 32:48 | -1 | 1.270 | 91504 | 9876 | 14 | 35 | 705 | 1.62(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:48 | 4 | 1.274 | 148151 | 16196 | 18 | 45 | 900 | | M |
| 327.8775 | 32:49 | 32:48 | -1 | 1.270 | 91504 | 9876 | 14 | 35 | 705 | 1.62(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:48 | 4 | 1.274 | 148151 | 16196 | 18 | 45 | 900 | | M |
| 327.8775 | 32:49 | 32:48 | -1 | 1.270 | 91504 | 9876 | 14 | 35 | 705 | 1.62(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:48 | 4 | 1.274 | 148151 | 16196 | 18 | 45 | 900 | | M |
| 327.8775 | 32:49 | 32:48 | -1 | 1.270 | 91504 | 9876 | 14 | 35 | 705 | 1.62(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:48 | 4 | 1.274 | 148151 | 16196 | 18 | 45 | 900 | | M |
| 327.8775 | 32:49 | 32:48 | -1 | 1.270 | 91504 | 9876 | 14 | 35 | 705 | 1.62(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:32 | -1 | 1.298 | 38553 | 6855 | 18 | 45 | 381 | | |
| 327.8775 | 33:33 | 33:32 | -1 | 1.298 | 23840 | 4019 | 14 | 35 | 287 | 1.62(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:32 | -1 | 1.298 | 38553 | 6855 | 18 | 45 | 381 | | |
| 327.8775 | 33:33 | 33:32 | -1 | 1.298 | 23840 | 4019 | 14 | 35 | 287 | 1.62(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:32 | -1 | 1.298 | 38553 | 6855 | 18 | 45 | 381 | | |
| 327.8775 | 33:33 | 33:32 | -1 | 1.298 | 23840 | 4019 | 14 | 35 | 287 | 1.62(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:43 | 33:43 | -7 | 1.305 | 325155 | 66832 | 18 | 45 | 3713 | | a |
| 327.8775 | 33:43 | 33:43 | -7 | 1.305 | 200363 | 40786 | 14 | 35 | 2913 | 1.62(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:43 | 33:43 | -7 | 1.305 | 325155 | 66832 | 18 | 45 | 3713 | | a |
| 327.8775 | 33:43 | 33:43 | -7 | 1.305 | 200363 | 40786 | 14 | 35 | 2913 | 1.62(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | M |
| 325.8804 | 34:01 | 34:01 | -3 | 1.317 | 18579 | 3661 | 18 | 45 | 203 | | M |
| 327.8775 | 34:01 | 34:01 | -3 | 1.317 | 11926 | 2478 | 14 | 35 | 177 | 1.56(1.32-1.78) | M |
| PCB-111 | | | | | | | | | | | RQMa |
| 325.8804 | 34:26 | 34:25 | -1 | 1.333 | 563 | 133 | 18 | 45 | 7 | | M |
| 327.8775 | 34:26 | 34:25 | -1 | 1.333 | 852 | 141 | 14 | 35 | 10 | 0.66(1.32-1.78) | a |
| | Empc Correction | | | | 363 | 85 | 14 | 35 | 6 | | |
| PCB-120 | | | | | | | | | | | M |
| 325.8804 | 34:53 | 34:52 | -2 | 1.350 | 3409 | 611 | 18 | 45 | 34 | | M |
| 327.8775 | 34:54 | 34:52 | -1 | 1.351 | 2500 | 429 | 14 | 35 | 31 | 1.36(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:01 | 36:00 | -2 | 1.394 | 14897 | 3023 | 111 | 277 | 27 | | |
| 327.8775 | 36:01 | 36:00 | -2 | 1.394 | 9112 | 1850 | 33 | 82 | 56 | 1.63(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:01 | 36:00 | -2 | 1.394 | 14897 | 3023 | 111 | 277 | 27 | | |
| 327.8775 | 36:01 | 36:00 | -2 | 1.394 | 9112 | 1850 | 33 | 82 | 56 | 1.63(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:16 | 36:16 | -1 | 1.404 | 39507 | 7953 | 111 | 277 | 72 | | M |
| 327.8775 | 36:16 | 36:16 | -1 | 1.404 | 23778 | 4971 | 33 | 82 | 151 | 1.66(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:22 | 36:22 | -2 | 1.000 | 6180 | 1421 | 111 | 277 | 13 | | M |
| 327.8775 | 36:23 | 36:22 | -1 | 1.001 | 4301 | 836 | 33 | 82 | 25 | 1.44(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:29 | | | | | | 111 | 277 | | | |
| 327.8775 | 36:29 | | | | | | 33 | 82 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:43 | 36:41 | -1 | 1.001 | 419686 | 83331 | 111 | 277 | 751 | | |
| 327.8775 | 36:43 | 36:41 | -1 | 1.001 | 268468 | 53227 | 33 | 82 | 1613 | 1.56(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:02 | 37:02 | -2 | 1.010 | 5376 | 895 | 111 | 277 | 8 | | |
| 327.8775 | 37:03 | 37:02 | -1 | 1.010 | 3154 | 532 | 33 | 82 | 16 | 1.70(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:14 | 37:13 | -1 | 1.001 | 8879 | 1680 | 111 | 277 | 15 | | |
| 327.8775 | 37:14 | 37:13 | -1 | 1.001 | 5569 | 977 | 33 | 82 | 30 | 1.59(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:53 | 37:52 | -2 | 1.001 | 125829 | 25171 | 111 | 277 | 227 | | |
| 327.8775 | 37:53 | 37:52 | -2 | 1.001 | 79263 | 15642 | 33 | 82 | 474 | 1.59(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:21 | | | | | | 111 | 277 | | | |
| 327.8775 | 39:21 | | | | | | 33 | 82 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 40:58 | 40:58 | -1 | 1.001 | 1276 | 300 | 111 | 277 | 3 | | M |
| 327.8775 | 40:58 | 40:58 | -2 | 1.000 | 926 | 226 | 33 | 82 | 7 | 1.38(1.32-1.78) | M |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:30 | 31:31 | -3 | 0.791 | 19741 | 4573 | 6 | 15 | 762 | | |
| 373.8788 | 31:30 | 31:31 | -3 | 0.791 | 16515 | 3289 | 11 | 27 | 299 | 1.20(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:49 | 39:50 | -1 | | 30329 | 6538 | 13 | 32 | 503 | | |
| 373.8788 | 39:48 | 39:50 | -2 | | 24991 | 5155 | 24 | 60 | 215 | 1.21(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:49 | 42:49 | -3 | 1.076 | 31914 | 6362 | 13 | 32 | 489 | | |
| 373.8788 | 42:49 | 42:49 | -3 | 1.076 | 24606 | 4989 | 24 | 60 | 208 | 1.30(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:58 | -2 | 1.104 | 64639 | 9456 | 13 | 32 | 727 | | |
| 373.8788 | 43:59 | 43:58 | -1 | 1.105 | 48921 | 7122 | 24 | 60 | 297 | 1.32(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:58 | -2 | 1.104 | 64639 | 9456 | 13 | 32 | 727 | | |
| 373.8788 | 43:59 | 43:58 | -1 | 1.105 | 48921 | 7122 | 24 | 60 | 297 | 1.32(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:13 | 47:12 | -2 | 1.186 | 28150 | 5567 | 13 | 32 | 428 | | |
| 373.8788 | 47:13 | 47:12 | -2 | 1.186 | 23916 | 4481 | 24 | 60 | 187 | 1.18(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | RQMa |
| 359.8415 | 31:31 | 31:31 | -2 | 1.001 | 77 | 17 | 3 | 7 | 6 | | M |
| 361.8385 | 31:31 | 31:31 | -2 | 1.001 | 112 | 22 | 4 | 10 | 6 | 0.69(1.05-1.43) | M |
| | Empc Correction | | | | 62 | 13 | 4 | 10 | 3 | | |
| PCB-152 | | | | | | | | | | | RQM |
| 359.8415 | 31:43 | 31:42 | -2 | 1.007 | 252 | 69 | 3 | 7 | 23 | | |
| 361.8385 | 31:43 | 31:42 | -2 | 1.007 | 245 | 54 | 4 | 10 | 14 | 1.03(1.05-1.43) | M |
| | Empc Correction | | | | 203 | 55 | 4 | 10 | 14 | | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | 31:52 | -2 | 1.012 | 905 | 201 | 3 | 7 | 67 | | |
| 361.8385 | 31:52 | 31:52 | -3 | 1.012 | 683 | 160 | 4 | 10 | 40 | 1.33(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:13 | 32:13 | -3 | 1.023 | 29478 | 6357 | 3 | 7 | 2119 | | |
| 361.8385 | 32:13 | 32:13 | -3 | 1.023 | 22945 | 4889 | 4 | 10 | 1222 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQM |
| 359.8415 | 32:33 | 32:31 | -1 | 1.034 | 240 | 31 | 3 | 7 | 10 | | |
| | Empc Correction | | | | 188 | 31 | 3 | 7 | 10 | | |
| 361.8385 | 32:28 | 32:31 | -7 | 1.031 | 152 | 25 | 4 | 10 | 6 | 1.58(1.05-1.43) | M |
| PCB-148 | | | | | | | | | | | RQ |
| 359.8415 | 34:04 | 34:02 | -1 | 1.082 | 801 | 143 | 3 | 7 | 48 | | |
| 361.8385 | 34:02 | 34:02 | -3 | 1.081 | 811 | 155 | 4 | 10 | 39 | 0.99(1.05-1.43) | |
| | Empc Correction | | | | 645 | 115 | 4 | 10 | 29 | | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:37 | 34:37 | -3 | 1.099 | 56569 | 7678 | 3 | 7 | 2559 | | |
| 361.8385 | 34:37 | 34:37 | -3 | 1.099 | 44351 | 5879 | 4 | 10 | 1470 | 1.28(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:37 | 34:37 | -3 | 1.099 | 56569 | 7678 | 3 | 7 | 2559 | | |
| 361.8385 | 34:37 | 34:37 | -3 | 1.099 | 44351 | 5879 | 4 | 10 | 1470 | 1.28(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:54 | 34:53 | -2 | 1.108 | 5597 | 1183 | 3 | 7 | 394 | | |
| 361.8385 | 34:54 | 34:53 | -2 | 1.108 | 4368 | 906 | 4 | 10 | 227 | 1.28(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:12 | 35:11 | -2 | 1.118 | 6448 | 1288 | 3 | 7 | 429 | | |
| 361.8385 | 35:13 | 35:11 | -1 | 1.118 | 5373 | 1094 | 4 | 10 | 274 | 1.20(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:33 | -2 | 1.129 | 252910 | 50545 | 6 | 15 | 8424 | | |
| 361.8385 | 35:34 | 35:33 | -2 | 1.129 | 199065 | 39922 | 7 | 17 | 5703 | 1.27(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:33 | -2 | 1.129 | 252910 | 50545 | 6 | 15 | 8424 | | |
| 361.8385 | 35:34 | 35:33 | -2 | 1.129 | 199065 | 39922 | 7 | 17 | 5703 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-134 | | | | | | | | | | | Ma |
| 359.8415 | 35:45 | 35:50 | -8 | 1.135 | 15594 | 2896 | 6 | 15 | 483 | | M |
| 361.8385 | 35:45 | 35:50 | -8 | 1.135 | 12349 | 2166 | 7 | 17 | 309 | 1.26(1.05-1.43) | M |
| PCB-143 (C134) | | | | | | | | | | | Ma |
| 359.8415 | 35:45 | 35:50 | -8 | 1.135 | 15594 | 2896 | 6 | 15 | 483 | | M |
| 361.8385 | 35:45 | 35:50 | -8 | 1.135 | 12349 | 2166 | 7 | 17 | 309 | 1.26(1.05-1.43) | M |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:09 | -2 | 1.148 | 6577 | 1265 | 6 | 15 | 211 | | |
| 361.8385 | 36:10 | 36:09 | -2 | 1.148 | 5218 | 980 | 7 | 17 | 140 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:09 | -2 | 1.148 | 6577 | 1265 | 6 | 15 | 211 | | |
| 361.8385 | 36:10 | 36:09 | -2 | 1.148 | 5218 | 980 | 7 | 17 | 140 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:21 | 36:20 | -2 | 1.154 | 3984 | 736 | 6 | 15 | 123 | | |
| 361.8385 | 36:21 | 36:20 | -2 | 1.154 | 3144 | 641 | 7 | 17 | 92 | 1.27(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:30 | | | | | | 6 | 15 | | | |
| 361.8385 | 36:30 | | | | | | 7 | 17 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:49 | 36:48 | -2 | 1.169 | 93211 | 19262 | 6 | 15 | 3210 | | |
| 361.8385 | 36:49 | 36:48 | -2 | 1.169 | 73657 | 15330 | 7 | 17 | 2190 | 1.27(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:20 | 37:18 | -1 | 1.186 | 6355 | 1251 | 6 | 15 | 209 | | |
| 361.8385 | 37:20 | 37:18 | -2 | 1.185 | 4880 | 1000 | 7 | 17 | 143 | 1.30(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:43 | | | | | | 6 | 15 | | | |
| 361.8385 | 37:43 | | | | | | 7 | 17 | | | |
| PCB-146 | | | | | | | | | | | M |
| 359.8415 | 37:59 | 37:59 | -1 | 0.887 | 61280 | 12762 | 6 | 15 | 2127 | | M |
| 361.8385 | 37:59 | 37:59 | -1 | 0.887 | 48620 | 9997 | 7 | 17 | 1428 | 1.26(1.05-1.43) | M |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:06 | | | | | | 6 | 15 | | | |
| 361.8385 | 38:06 | | | | | | 7 | 17 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:36 | -4 | 0.901 | 310391 | 62904 | 6 | 15 | 10484 | | |
| 361.8385 | 38:36 | 38:36 | -4 | 0.901 | 243789 | 49486 | 7 | 17 | 7069 | 1.27(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:36 | -4 | 0.901 | 310391 | 62904 | 6 | 15 | 10484 | | |
| 361.8385 | 38:36 | 38:36 | -4 | 0.901 | 243789 | 49486 | 7 | 17 | 7069 | 1.27(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | -2 | 0.906 | 46404 | 9280 | 6 | 15 | 1547 | | |
| 361.8385 | 38:47 | 38:47 | -2 | 0.906 | 35266 | 7163 | 7 | 17 | 1023 | 1.32(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:12 | 39:10 | -1 | 0.915 | 19180 | 3846 | 6 | 15 | 641 | | |
| 361.8385 | 39:12 | 39:10 | -1 | 0.915 | 15512 | 3114 | 7 | 17 | 445 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:24 | 39:26 | -2 | 0.920 | 15253 | 2974 | 6 | 15 | 496 | | |
| 361.8385 | 39:25 | 39:26 | -1 | 0.921 | 10689 | 2203 | 7 | 17 | 315 | 1.43(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:31 | -1 | 0.923 | 26247 | 5492 | 6 | 15 | 915 | | |
| 361.8385 | 39:31 | 39:31 | -2 | 0.923 | 22424 | 4359 | 7 | 17 | 623 | 1.17(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | -2 | 0.930 | 325459 | 62217 | 6 | 15 | 10370 | | |
| 361.8385 | 39:50 | 39:49 | -2 | 0.930 | 257417 | 49031 | 7 | 17 | 7004 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | -2 | 0.930 | 325459 | 62217 | 6 | 15 | 10370 | | |
| 361.8385 | 39:50 | 39:49 | -2 | 0.930 | 257417 | 49031 | 7 | 17 | 7004 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | -2 | 0.930 | 325459 | 62217 | 6 | 15 | 10370 | | |
| 361.8385 | 39:50 | 39:49 | -2 | 0.930 | 257417 | 49031 | 7 | 17 | 7004 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | -2 | 0.930 | 325459 | 62217 | 6 | 15 | 10370 | | |
| 361.8385 | 39:50 | 39:49 | -2 | 0.930 | 257417 | 49031 | 7 | 17 | 7004 | 1.26(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:14 | 40:12 | -1 | 0.940 | 39902 | 7409 | 6 | 15 | 1235 | | |
| 361.8385 | 40:14 | 40:12 | -1 | 0.940 | 30192 | 5702 | 7 | 17 | 815 | 1.32(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | M |
| 359.8415 | 41:06 | 41:03 | -1 | 0.960 | 53692 | 9637 | 6 | 15 | 1606 | | M |
| 361.8385 | 41:06 | 41:03 | -1 | 0.960 | 43214 | 7867 | 7 | 17 | 1124 | 1.24(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | M |
| 359.8415 | 41:06 | 41:03 | -1 | 0.960 | 53692 | 9637 | 6 | 15 | 1606 | | M |
| 361.8385 | 41:06 | 41:03 | -1 | 0.960 | 43214 | 7867 | 7 | 17 | 1124 | 1.24(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | M |
| 359.8415 | 42:04 | 42:04 | -3 | 0.982 | 3412 | 647 | 6 | 15 | 108 | | |
| 361.8385 | 42:04 | 42:04 | -3 | 0.982 | 3089 | 556 | 7 | 17 | 79 | 1.10(1.05-1.43) | M |
| PCB-162 | | | | | | | | | | | RQM |
| 359.8415 | 42:22 | 42:21 | -1 | 0.990 | 1411 | 326 | 6 | 15 | 54 | | |
| 361.8385 | 42:22 | 42:21 | -2 | 0.989 | 1562 | 255 | 7 | 17 | 36 | 0.90(1.05-1.43) | M |
| | Empc Correction | | | | 1137 | 262 | 7 | 17 | 37 | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:51 | 42:49 | -1 | 1.001 | 14640 | 2797 | 6 | 15 | 466 | | |
| 361.8385 | 42:51 | 42:49 | -1 | 1.001 | 11476 | 2151 | 7 | 17 | 307 | 1.28(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:57 | -3 | 1.000 | 45450 | 8103 | 6 | 15 | 1351 | | |
| 361.8385 | 43:58 | 43:57 | -3 | 1.000 | 36368 | 6354 | 7 | 17 | 908 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:57 | -3 | 1.000 | 45450 | 8103 | 6 | 15 | 1351 | | |
| 361.8385 | 43:58 | 43:57 | -3 | 1.000 | 36368 | 6354 | 7 | 17 | 908 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:13 | | | | | | 6 | 15 | | | |
| 361.8385 | 47:13 | | | | | | 7 | 17 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:13 | 37:14 | -3 | 0.820 | 22931 | 5019 | 8 | 20 | 627 | | |
| 407.8398 | 37:13 | 37:14 | -3 | 0.820 | 21925 | 4471 | 9 | 22 | 497 | 1.05(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:17 | 40:16 | -1 | 0.888 | 17958 | 3672 | 8 | 20 | 459 | | |
| 407.8398 | 40:16 | 40:16 | -2 | 0.887 | 16315 | 3564 | 9 | 22 | 396 | 1.10(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:23 | 45:23 | -1 | | 20608 | 4263 | 8 | 20 | 533 | | |
| 407.8398 | 45:22 | 45:23 | -1 | | 18461 | 3678 | 9 | 22 | 409 | 1.12(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:37 | 46:38 | -3 | 1.027 | 13524 | 2888 | 8 | 20 | 361 | | |
| 407.8398 | 46:38 | 46:38 | -2 | 1.028 | 12938 | 2722 | 9 | 22 | 302 | 1.05(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:44 | 49:45 | -3 | 1.096 | 37278 | 7712 | 42 | 105 | 184 | | |
| 407.8398 | 49:44 | 49:45 | -3 | 1.096 | 34815 | 6947 | 33 | 82 | 211 | 1.07(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | M |
| 393.8025 | 37:15 | 37:14 | -2 | 1.001 | 319 | 47 | 4 | 10 | 12 | | |
| 395.7995 | 37:15 | 37:14 | -2 | 1.001 | 335 | 72 | 4 | 10 | 18 | 0.95(0.89-1.21) | M |
| PCB-179 | | | | | | | | | | | Ma |
| 393.8025 | 37:34 | 37:34 | -2 | 1.009 | 29288 | 5899 | 4 | 10 | 1475 | | M |
| 395.7995 | 37:34 | 37:34 | -2 | 1.009 | 27324 | 5568 | 4 | 10 | 1392 | 1.07(0.89-1.21) | a |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:06 | | | | | | 4 | 10 | | | |
| 395.7995 | 38:06 | | | | | | 4 | 10 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:28 | 38:26 | -1 | 1.033 | 9066 | 1828 | 4 | 10 | 457 | | |
| 395.7995 | 38:27 | 38:26 | -2 | 1.033 | 8406 | 1683 | 4 | 10 | 421 | 1.08(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:54 | | | | | | 4 | 10 | | | |
| 395.7995 | 38:54 | | | | | | 4 | 10 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:18 | 40:17 | -2 | 1.083 | 10227 | 2107 | 4 | 10 | 527 | | |
| 395.7995 | 40:18 | 40:17 | -2 | 1.083 | 9661 | 1949 | 4 | 10 | 487 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:56 | 40:54 | -1 | 1.100 | 2154 | 492 | 4 | 10 | 123 | | |
| 395.7995 | 40:56 | 40:54 | -1 | 1.100 | 2042 | 414 | 4 | 10 | 104 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:13 | 41:10 | -1 | 1.107 | 63991 | 12667 | 4 | 10 | 3167 | | |
| 395.7995 | 41:13 | 41:10 | -1 | 1.107 | 59400 | 11874 | 4 | 10 | 2969 | 1.08(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | Ma |
| 393.8025 | 41:24 | 41:23 | -3 | 1.112 | 624 | 92 | 4 | 10 | 23 | | M |
| 395.7995 | 41:24 | 41:23 | -3 | 1.112 | 557 | 84 | 4 | 10 | 21 | 1.12(0.89-1.21) | a |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:51 | -2 | 1.123 | 33711 | 5740 | 4 | 10 | 1435 | | |
| 395.7995 | 41:49 | 41:51 | -2 | 1.123 | 32024 | 5338 | 4 | 10 | 1335 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:51 | -2 | 1.123 | 33711 | 5740 | 4 | 10 | 1435 | | |
| 395.7995 | 41:49 | 41:51 | -2 | 1.123 | 32024 | 5338 | 4 | 10 | 1335 | 1.05(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:03 | 42:02 | -2 | 1.130 | 45998 | 9130 | 4 | 10 | 2283 | | |
| 395.7995 | 42:03 | 42:02 | -2 | 1.130 | 42143 | 8402 | 4 | 10 | 2101 | 1.09(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:29 | 42:28 | -2 | 1.141 | 26778 | 5216 | 4 | 10 | 1304 | | |
| 395.7995 | 42:29 | 42:28 | -1 | 1.142 | 24338 | 4725 | 4 | 10 | 1181 | 1.10(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:52 | 42:51 | -2 | 1.152 | 613 | 123 | 4 | 10 | 31 | | |
| 395.7995 | 42:54 | 42:51 | -1 | 1.152 | 599 | 114 | 4 | 10 | 29 | 1.02(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:07 | 43:04 | -1 | 1.158 | 13034 | 2523 | 4 | 10 | 631 | | |
| 395.7995 | 43:07 | 43:04 | -1 | 1.158 | 12936 | 2533 | 4 | 10 | 633 | 1.01(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:07 | 43:04 | -1 | 1.158 | 13034 | 2523 | 4 | 10 | 631 | | |
| 395.7995 | 43:07 | 43:04 | -1 | 1.158 | 12936 | 2533 | 4 | 10 | 633 | 1.01(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:45 | 44:43 | -1 | 0.900 | 6998 | 1314 | 4 | 10 | 329 | | |
| 395.7995 | 44:44 | 44:43 | -1 | 0.899 | 6690 | 1361 | 4 | 10 | 340 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:01 | | | | | | 4 | 10 | | | |
| 395.7995 | 45:01 | | | | | | 4 | 10 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:24 | 45:23 | 1 | 0.913 | 110535 | 21086 | 4 | 10 | 5272 | | a |
| 395.7995 | 45:24 | 45:23 | 1 | 0.913 | 101437 | 18959 | 4 | 10 | 4740 | 1.09(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:24 | 45:23 | 1 | 0.913 | 110535 | 21086 | 4 | 10 | 5272 | | a |
| 395.7995 | 45:24 | 45:23 | 1 | 0.913 | 101437 | 18959 | 4 | 10 | 4740 | 1.09(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:46 | 45:44 | -1 | 0.920 | 2570 | 440 | 4 | 10 | 110 | | |
| 395.7995 | 45:45 | 45:44 | -1 | 0.920 | 2531 | 465 | 4 | 10 | 116 | 1.02(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:39 | 46:38 | -1 | 0.938 | 38595 | 7608 | 4 | 10 | 1902 | | |
| 395.7995 | 46:39 | 46:38 | -1 | 0.938 | 35909 | 7141 | 4 | 10 | 1785 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:10 | 47:09 | -1 | 0.948 | 11120 | 2204 | 4 | 10 | 551 | | |
| 395.7995 | 47:10 | 47:09 | -2 | 0.948 | 9829 | 1865 | 4 | 10 | 466 | 1.13(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:46 | 49:45 | -1 | 1.001 | 3574 | 706 | 9 | 22 | 78 | | |
| 395.7995 | 49:45 | 49:45 | -2 | 1.000 | 3520 | 641 | 11 | 27 | 58 | 1.02(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:36 | 42:36 | -2 | 0.821 | 17235 | 3225 | 3 | 7 | 1075 | | |
| 441.8008 | 42:36 | 42:36 | -2 | 0.821 | 19159 | 3534 | 10 | 25 | 353 | 0.90(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:52 | 51:52 | -1 | | 26769 | 5274 | 24 | 60 | 220 | | |
| 441.8008 | 51:52 | 51:52 | -1 | | 28560 | 5318 | 15 | 37 | 355 | 0.94(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:20 | 52:21 | -2 | 1.009 | 28521 | 5591 | 24 | 60 | 233 | | |
| 441.8008 | 52:20 | 52:21 | -2 | 1.009 | 30284 | 6011 | 15 | 37 | 401 | 0.94(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:37 | 42:37 | -1 | 1.001 | 4719 | 901 | 3 | 7 | 300 | | |
| 429.7606 | 42:37 | 42:37 | -1 | 1.001 | 4916 | 981 | 4 | 10 | 245 | 0.96(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:32 | 43:32 | -2 | 1.022 | 3129 | 584 | 3 | 7 | 195 | | |
| 429.7606 | 43:33 | 43:32 | -1 | 1.022 | 3370 | 671 | 4 | 10 | 168 | 0.93(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:13 | | | | | | 3 | 7 | | | |
| 429.7606 | 44:13 | | | | | | 4 | 10 | | | |
| PCB-197 | | | | | | | | | | | RQa |
| 427.7635 | 44:26 | 44:26 | -3 | 1.043 | 761 | 211 | 3 | 7 | 70 | | a |
| 429.7606 | 44:29 | 44:26 | 0 | 1.044 | 1106 | 233 | 4 | 10 | 58 | 0.69(0.76-1.02) | |
| | Empc Correction | | | | 855 | 237 | 4 | 10 | 59 | | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:33 | 44:33 | -2 | 1.046 | 3085 | 550 | 3 | 7 | 183 | | |
| 429.7606 | 44:33 | 44:33 | -1 | 1.046 | 3026 | 624 | 4 | 10 | 156 | 1.02(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:20 | 0 | 1.112 | 16888 | 3287 | 3 | 7 | 1096 | | |
| 429.7606 | 47:22 | 47:20 | 0 | 1.112 | 18750 | 3456 | 4 | 10 | 864 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:20 | 0 | 1.112 | 16888 | 3287 | 3 | 7 | 1096 | | |
| 429.7606 | 47:22 | 47:20 | 0 | 1.112 | 18750 | 3456 | 4 | 10 | 864 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:01 | 48:00 | -1 | 0.918 | 7846 | 1496 | 3 | 7 | 499 | | |
| 429.7606 | 48:01 | 48:00 | -2 | 0.917 | 8684 | 1745 | 4 | 10 | 436 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:12 | 48:11 | -1 | 0.921 | 11725 | 2220 | 3 | 7 | 740 | | |
| 429.7606 | 48:13 | 48:11 | -1 | 0.921 | 12728 | 2490 | 4 | 10 | 623 | 0.92(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:31 | 49:30 | -2 | 0.946 | 10437 | 1984 | 10 | 25 | 198 | | |
| 429.7606 | 49:31 | 49:30 | -2 | 0.946 | 11705 | 2247 | 12 | 30 | 187 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:53 | 51:51 | -1 | 0.991 | 27606 | 5381 | 10 | 25 | 538 | | |
| 429.7606 | 51:53 | 51:51 | -1 | 0.991 | 31450 | 6122 | 12 | 30 | 510 | 0.88(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:21 | 52:19 | -1 | 1.000 | 1870 | 353 | 10 | 25 | 35 | | |
| 429.7606 | 52:21 | 52:19 | -1 | 1.000 | 2136 | 400 | 12 | 30 | 33 | 0.88(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:17 | 49:18 | -3 | 0.950 | 22036 | 4046 | 28 | 70 | 145 | | |
| 475.7619 | 49:17 | 49:18 | -3 | 0.950 | 29333 | 5596 | 41 | 102 | 136 | 0.75(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:05 | 54:06 | -3 | 1.043 | 15718 | 3103 | 28 | 70 | 111 | | |
| 475.7619 | 54:06 | 54:06 | -2 | 1.043 | 18224 | 3438 | 41 | 102 | 84 | 0.86(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:18 | 49:17 | -1 | 1.001 | 3603 | 658 | 9 | 22 | 73 | | |
| 463.7216 | 49:18 | 49:17 | -1 | 1.001 | 4752 | 784 | 18 | 45 | 44 | 0.76(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:16 | 50:13 | 0 | 1.020 | 1657 | 295 | 9 | 22 | 33 | | |
| 463.7216 | 50:14 | 50:13 | -1 | 1.019 | 1911 | 355 | 18 | 45 | 20 | 0.87(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:07 | 54:05 | -1 | 1.001 | 9370 | 1749 | 9 | 22 | 194 | | |
| 463.7216 | 54:07 | 54:05 | -1 | 1.001 | 12156 | 2275 | 18 | 45 | 126 | 0.77(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | RQ |
| 507.7258 | 55:44 | 55:44 | -2 | 1.075 | 13319 | 2285 | 14 | 35 | 163 | | |
| | Empc Correction | | | | 11095 | 2005 | 14 | 35 | 143 | | |
| 509.7229 | 55:45 | 55:44 | -2 | 1.075 | 16080 | 2907 | 8 | 20 | 363 | 0.83(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:46 | 55:44 | -1 | 1.000 | 4731 | 842 | 6 | 15 | 140 | | |
| 497.6826 | 55:46 | 55:44 | -1 | 1.000 | 6504 | 1126 | 3 | 7 | 375 | 0.73(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

n - Failed Sig-To-Noise Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 26-Sep-2019 14:52:17 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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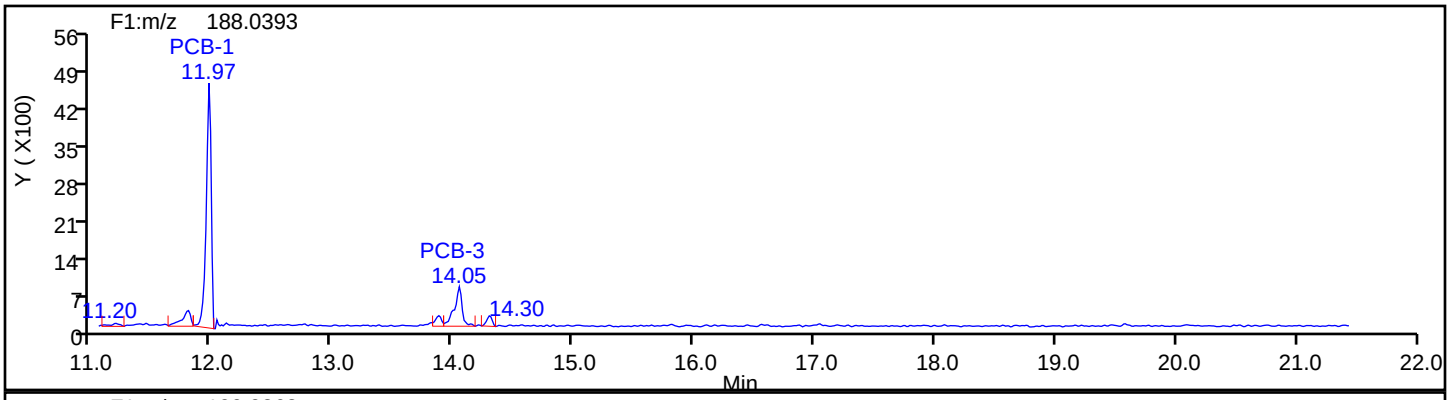
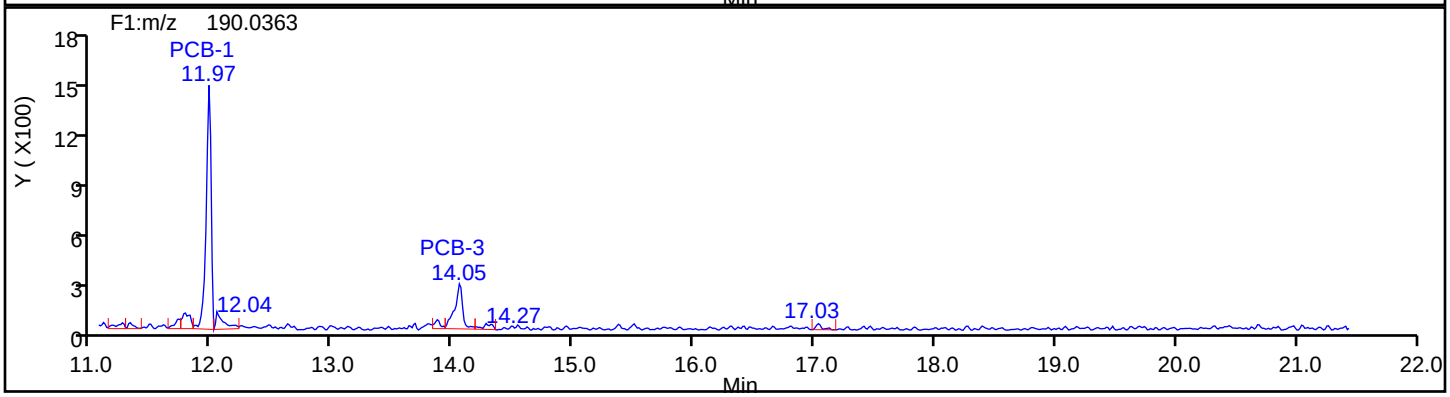
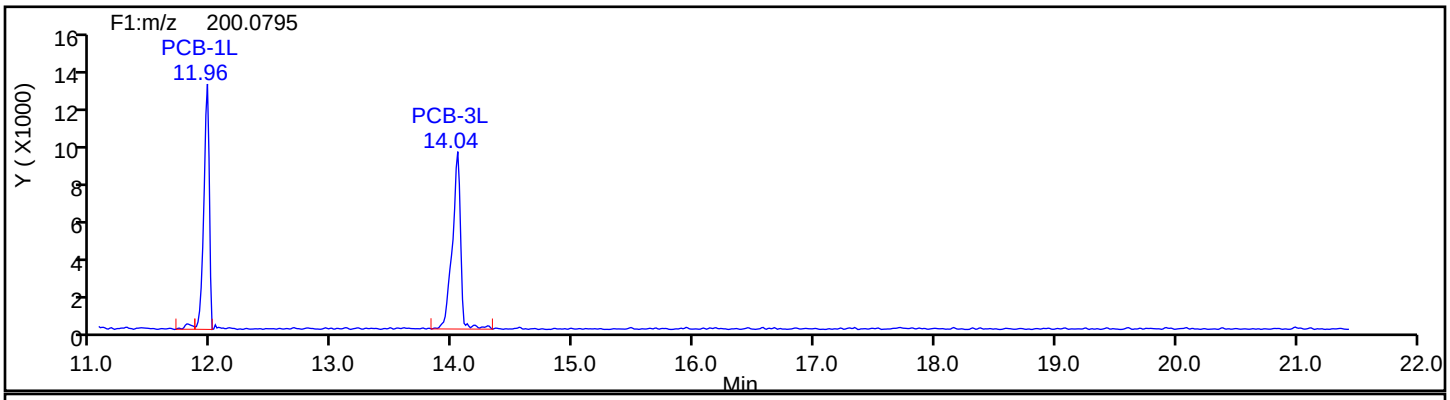
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

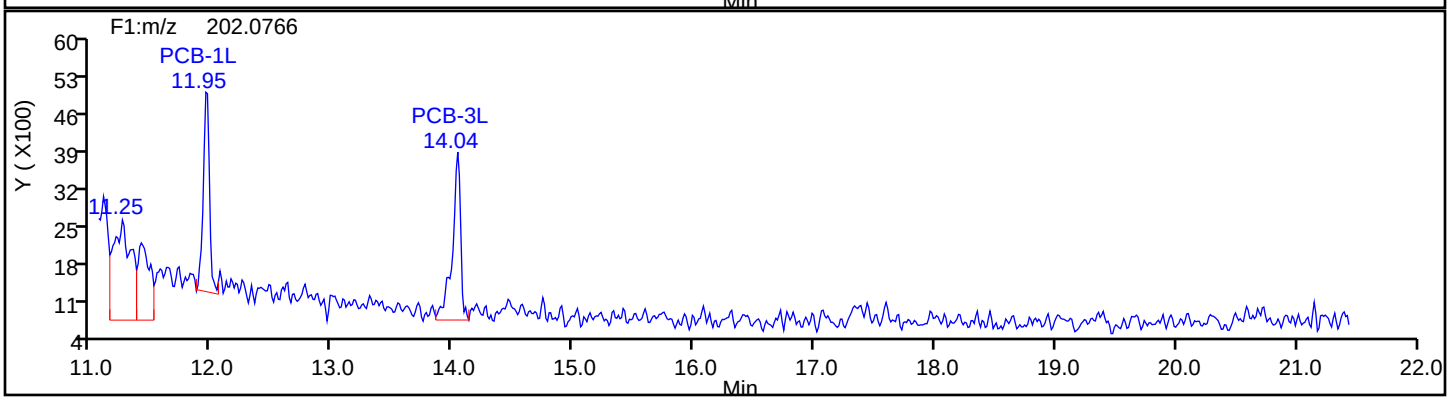
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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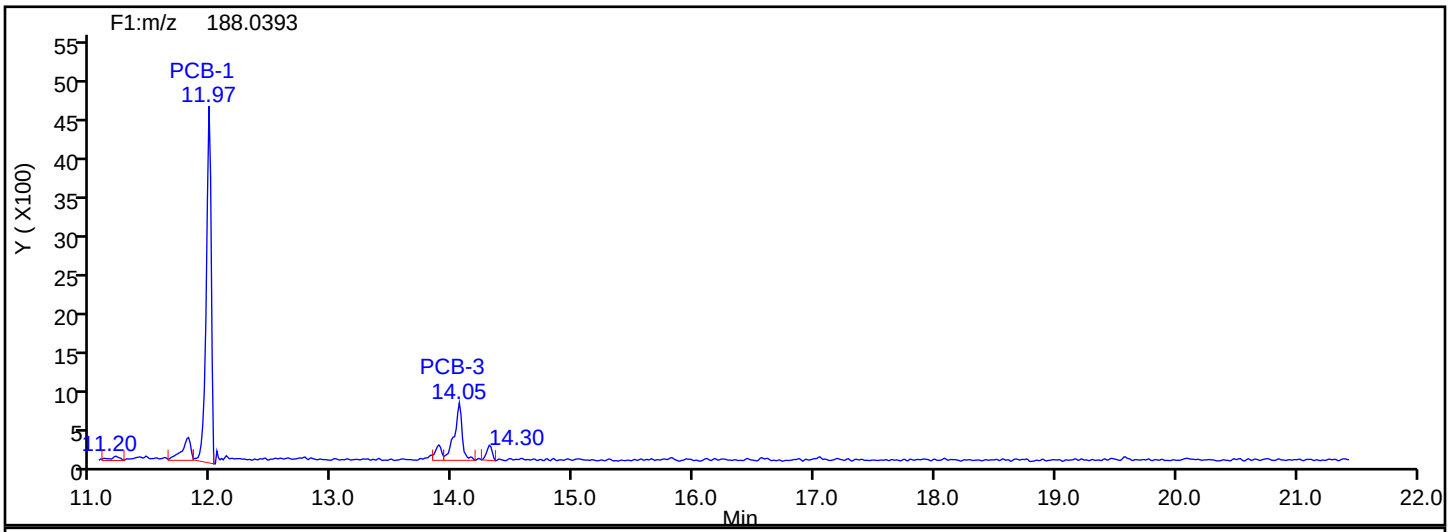
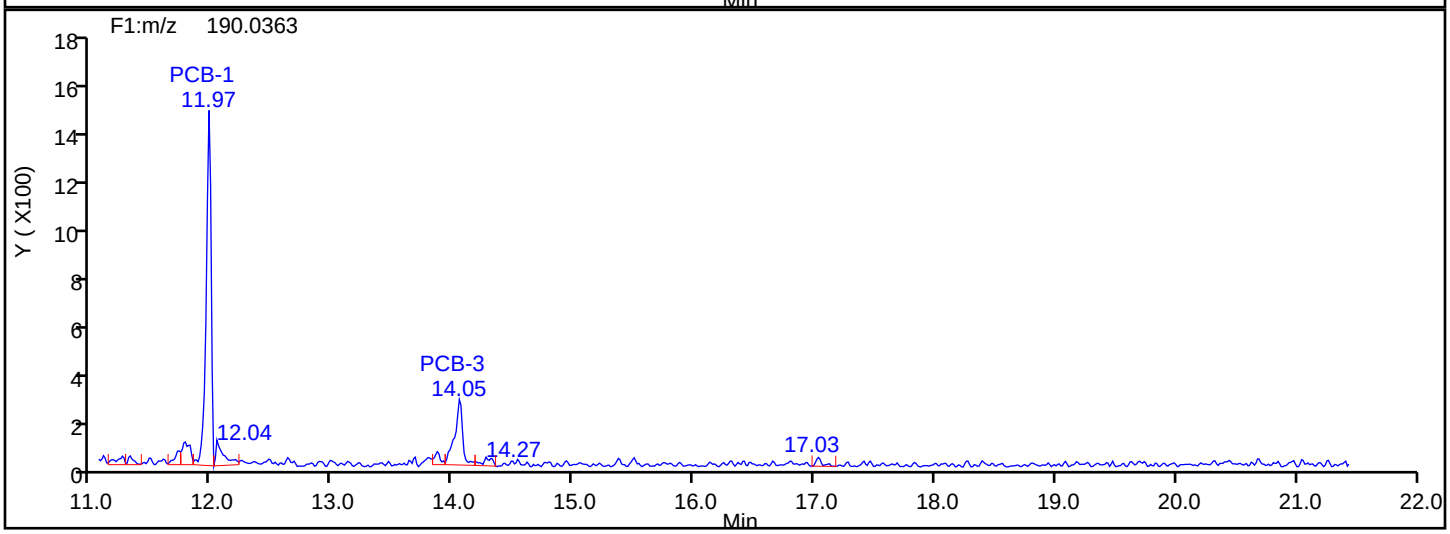
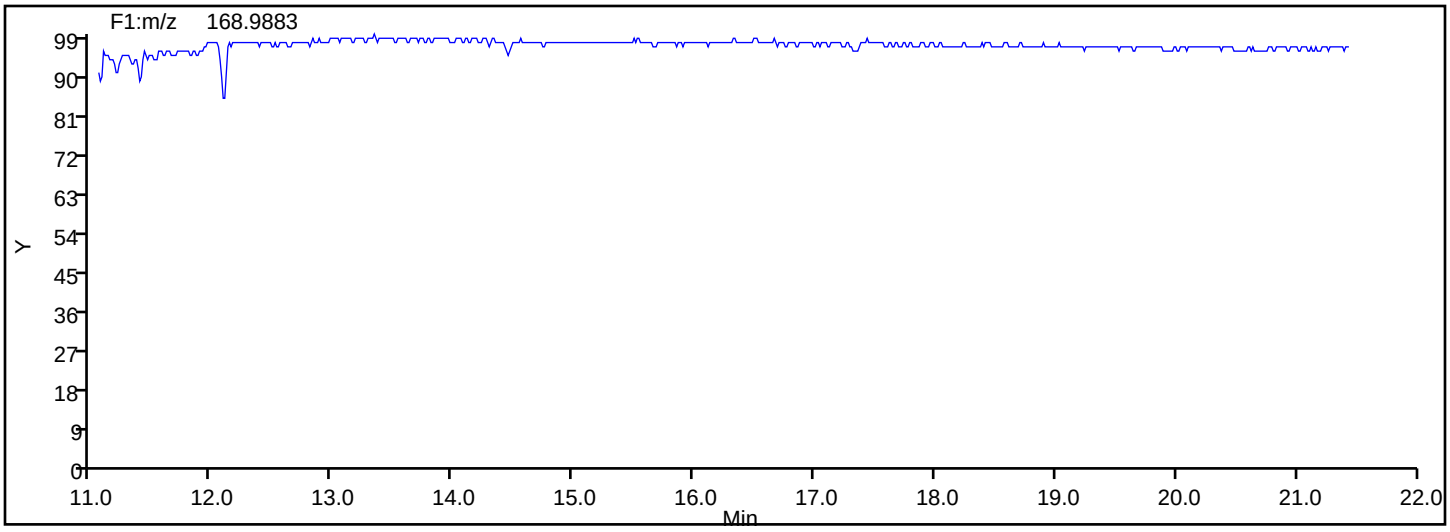
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

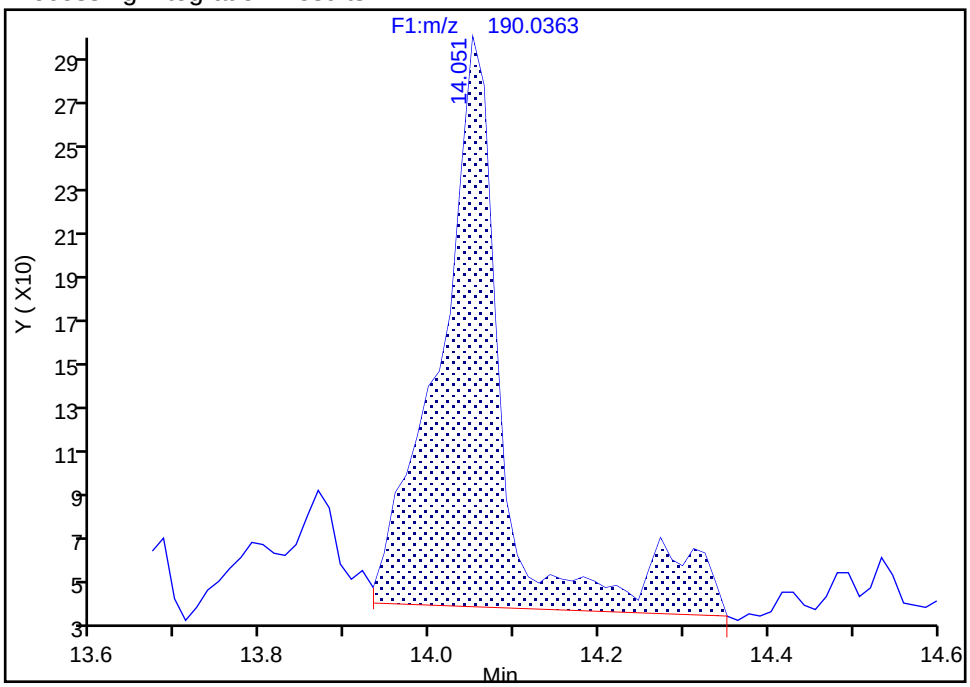
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3, CAS: 2051-62-9

Signal: 2

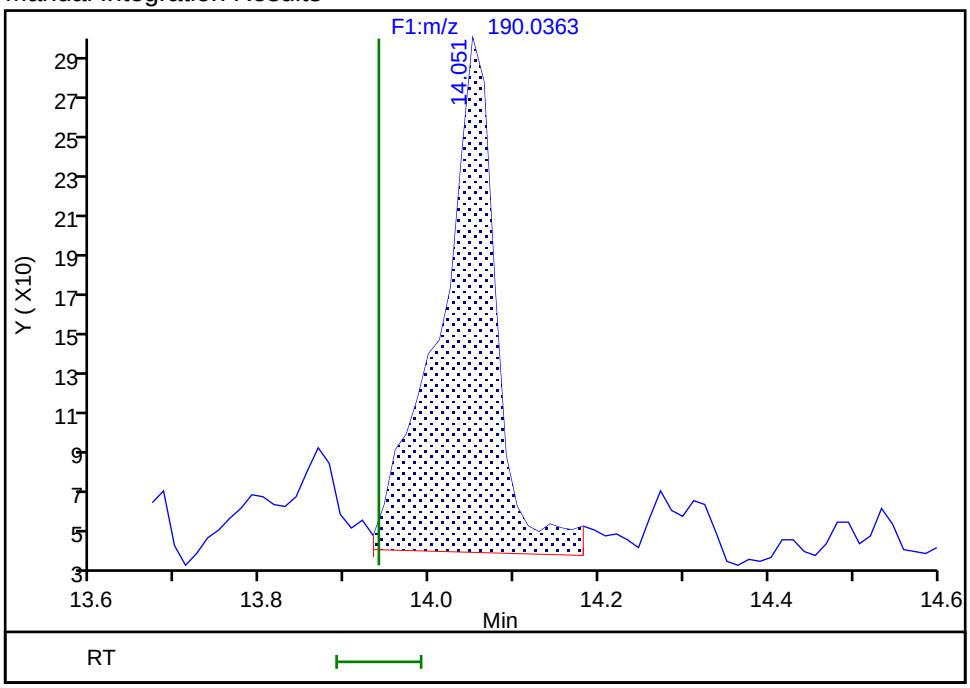
Processing Integration Results

RT: 14.05
Area: 1404
Amount: 1.322237
Amount Units: pg/ul




Manual Integration Results

RT: 14.05
Area: 1214
Amount: 1.269910
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 10:54:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

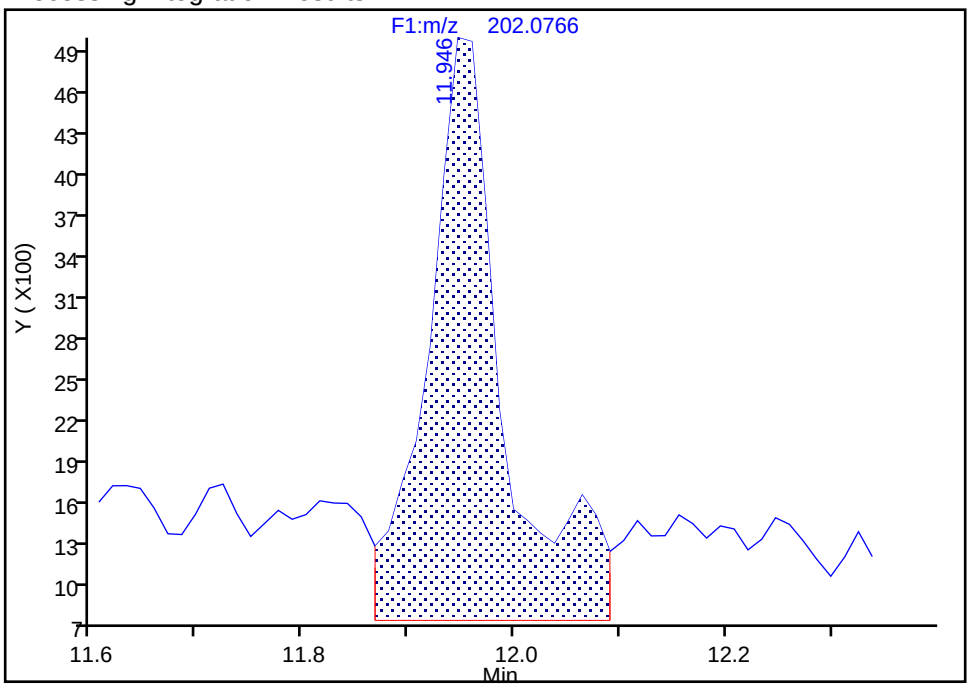
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

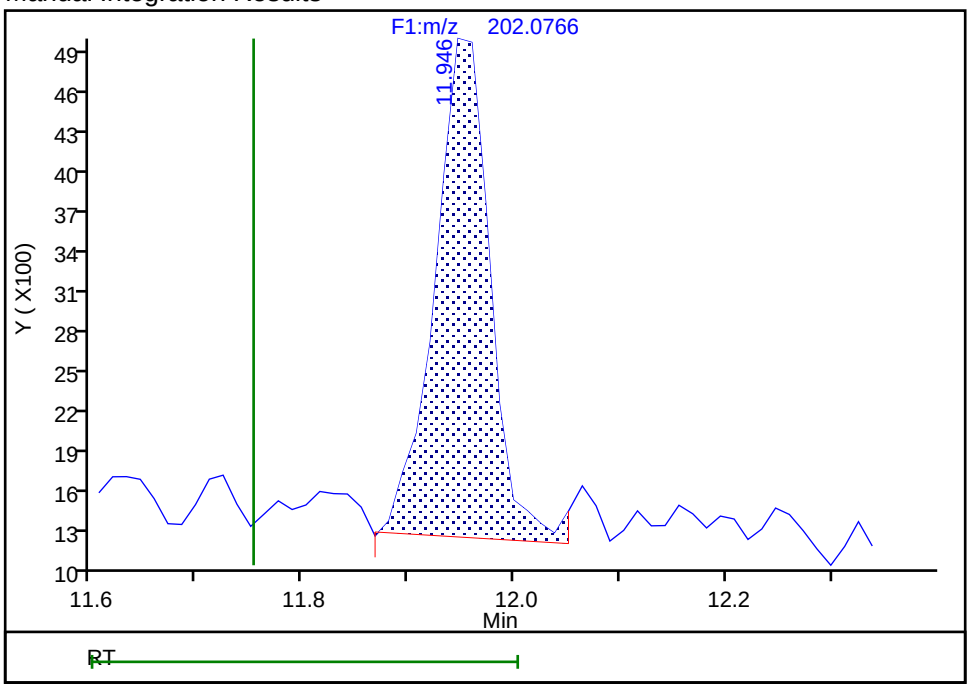
Processing Integration Results

RT: 11.95
Area: 21169
Amount: 18.571173
Amount Units: pg/ul




Manual Integration Results

RT: 11.95
Area: 13559
Amount: 16.616376
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:40:22

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

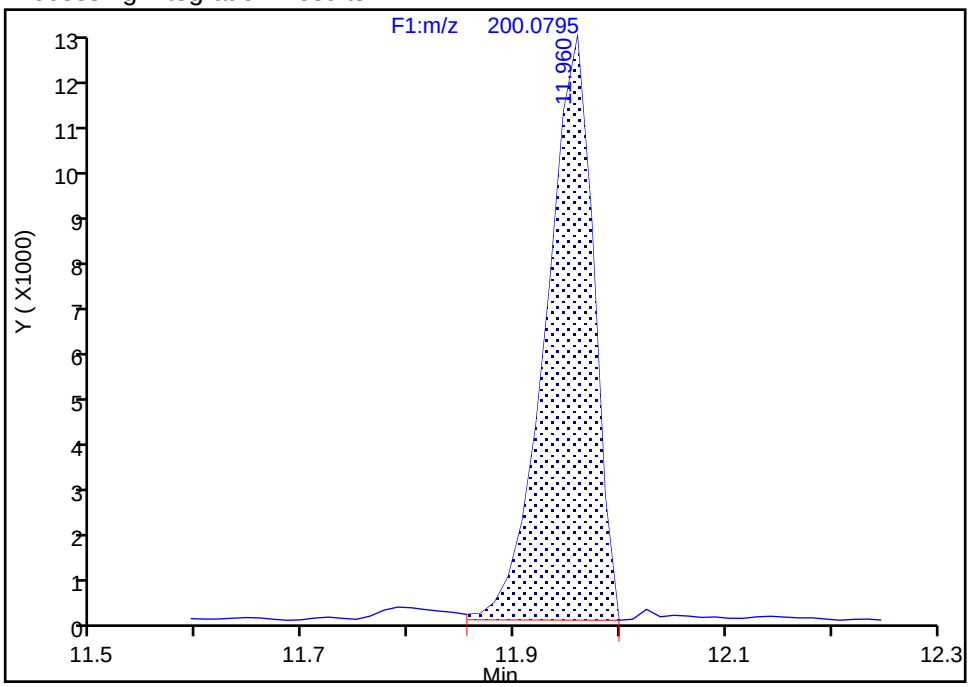
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

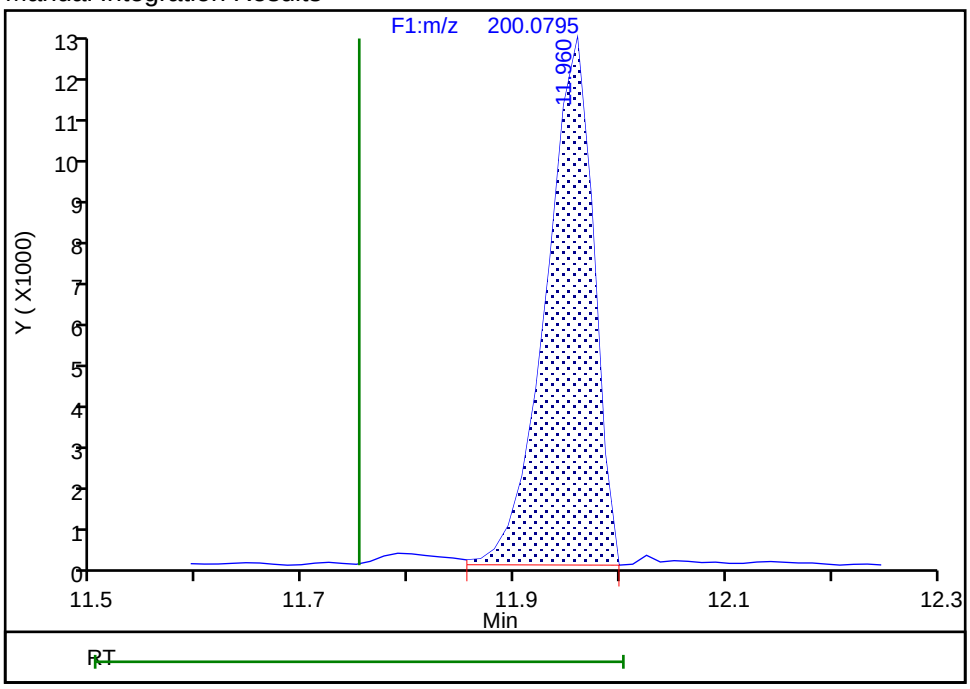
Processing Integration Results

RT: 11.96
Area: 40124
Amount: 18.571173
Amount Units: pg/ul




Manual Integration Results

RT: 11.96
Area: 40124
Amount: 16.616376
Amount Units: pg/ul



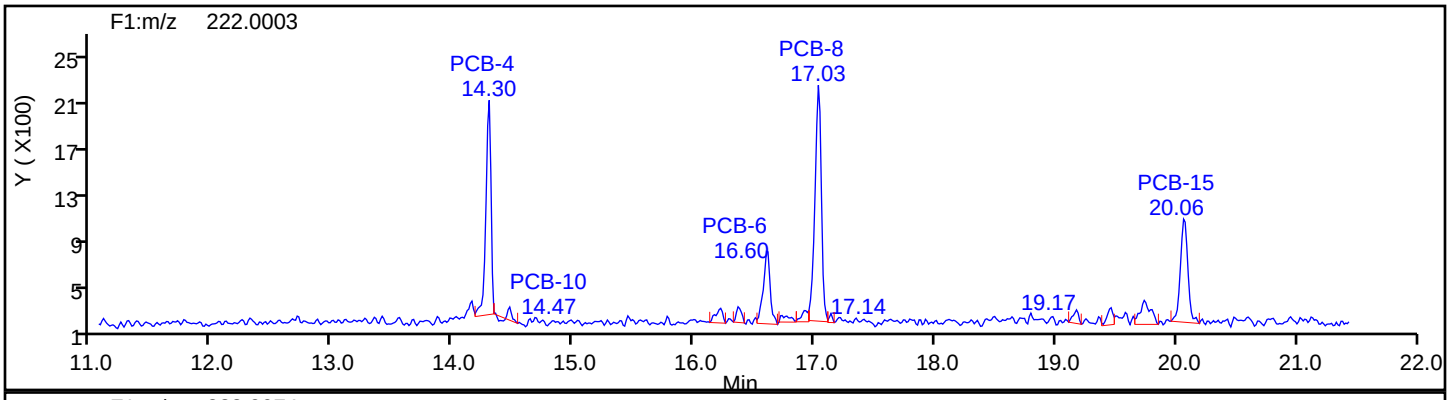

Reviewer: nordquistj, 26-Sep-2019 14:40:28

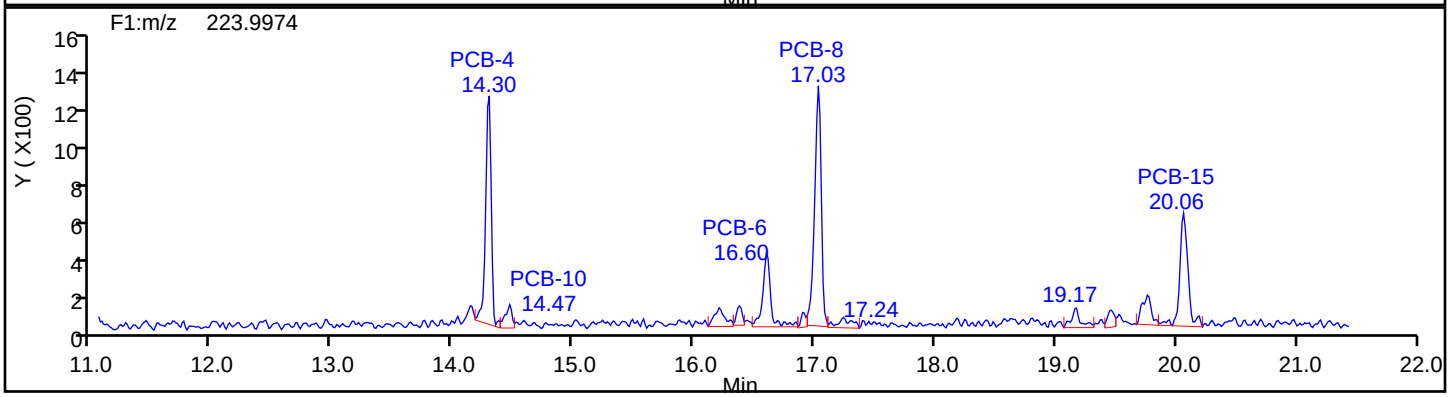
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

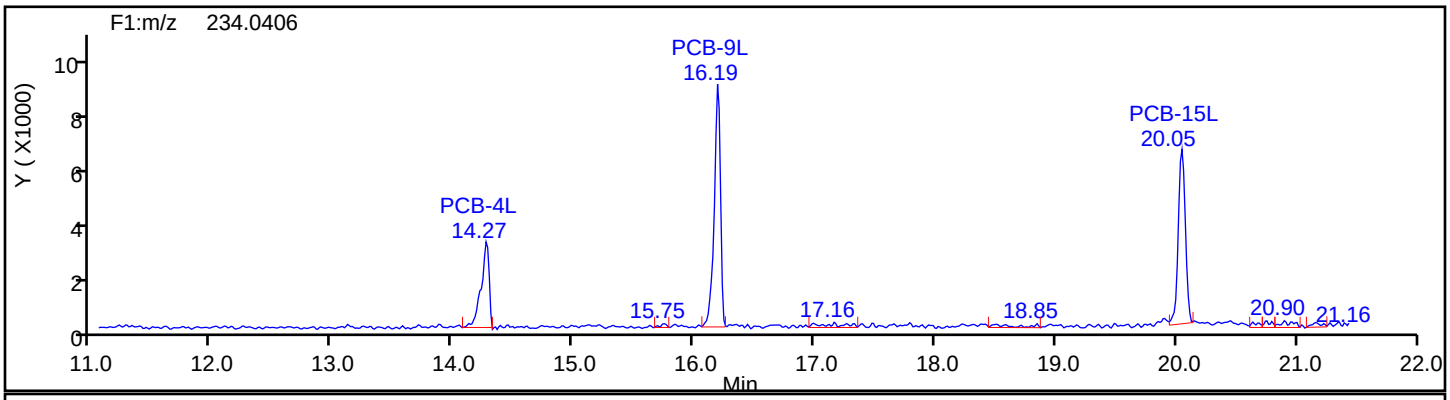
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

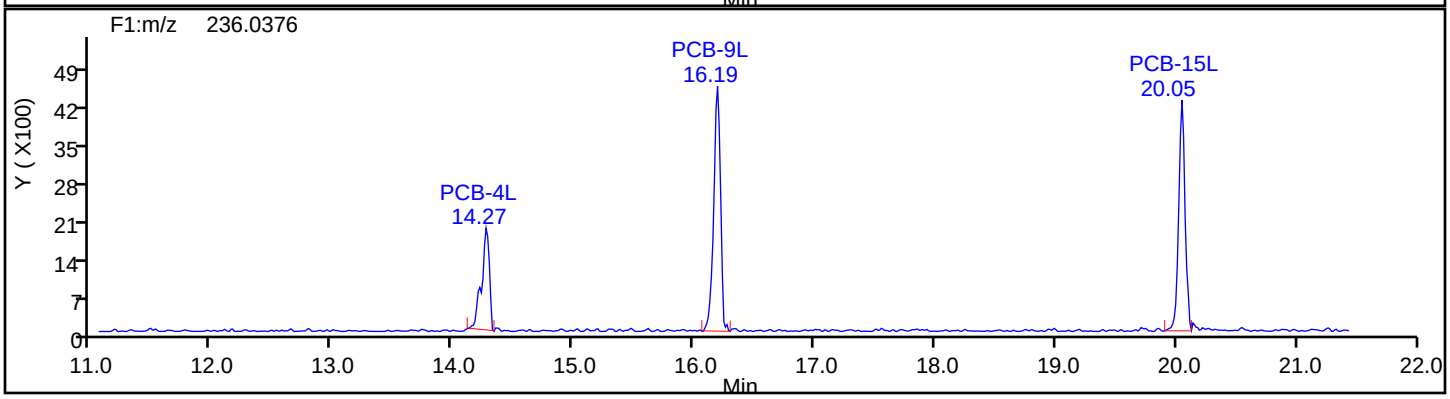
DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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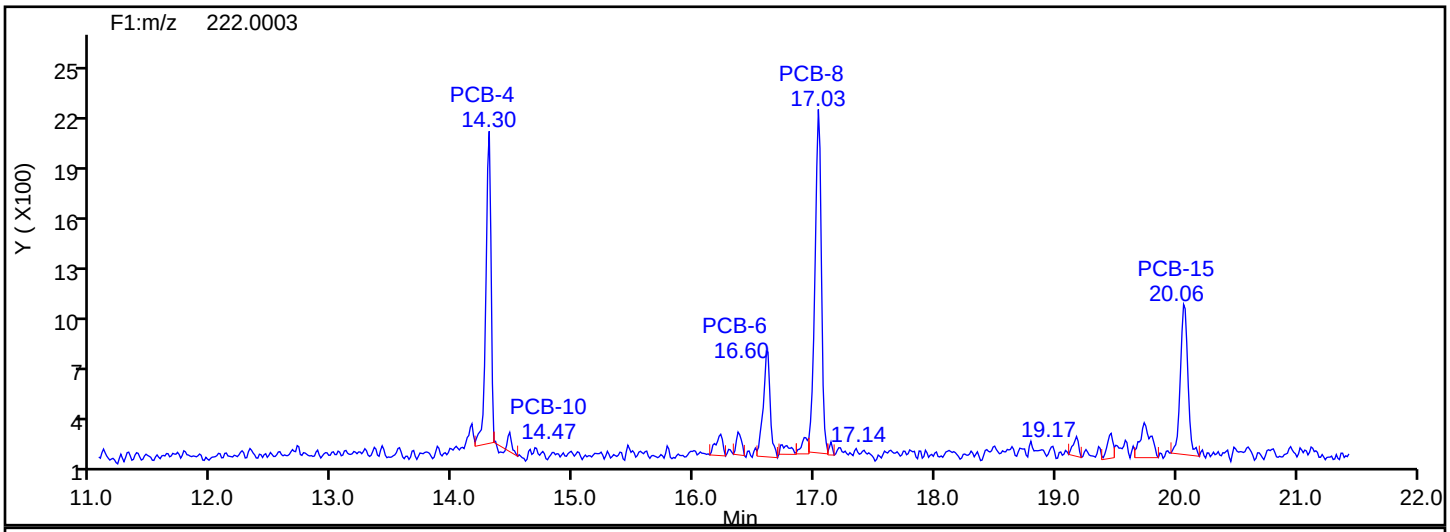
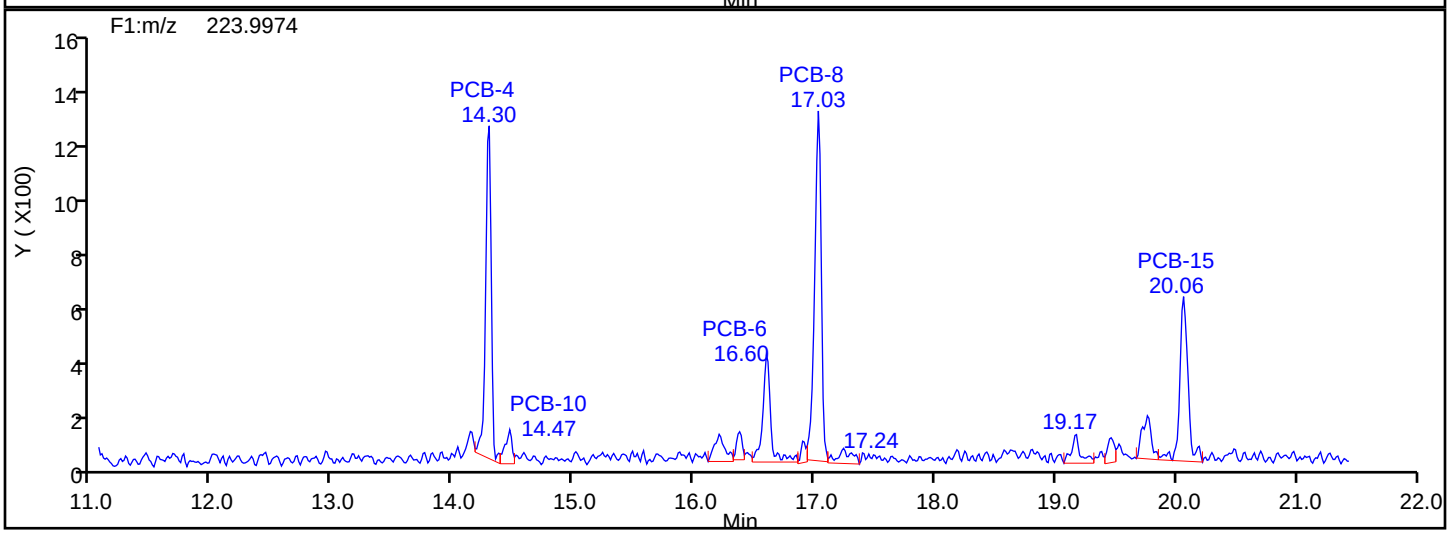
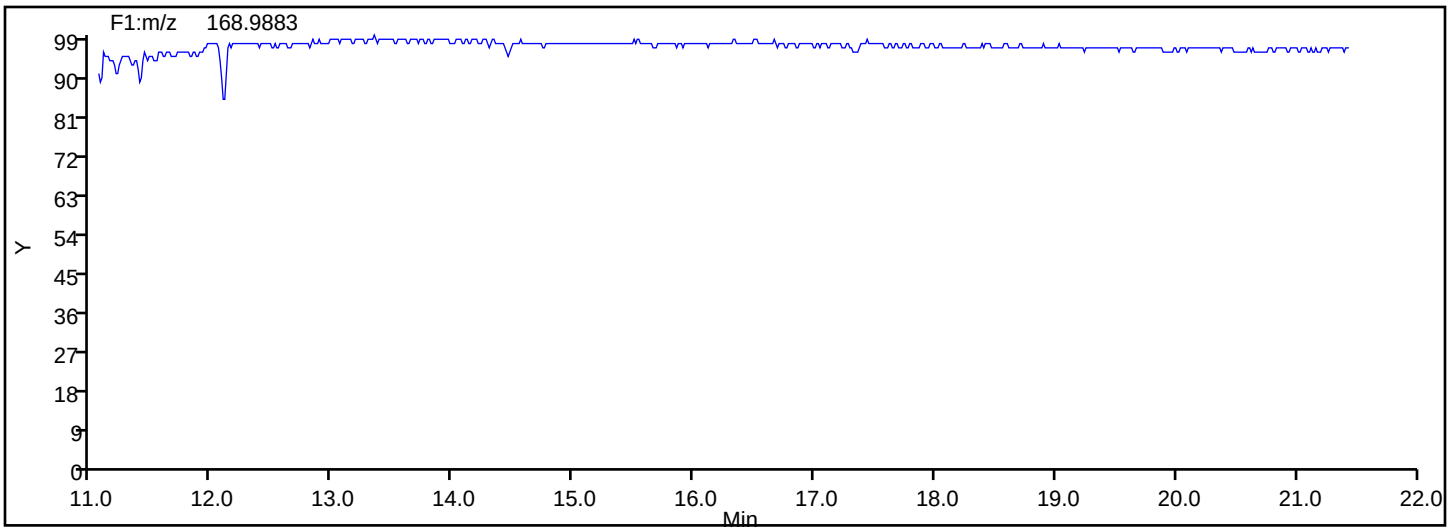
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

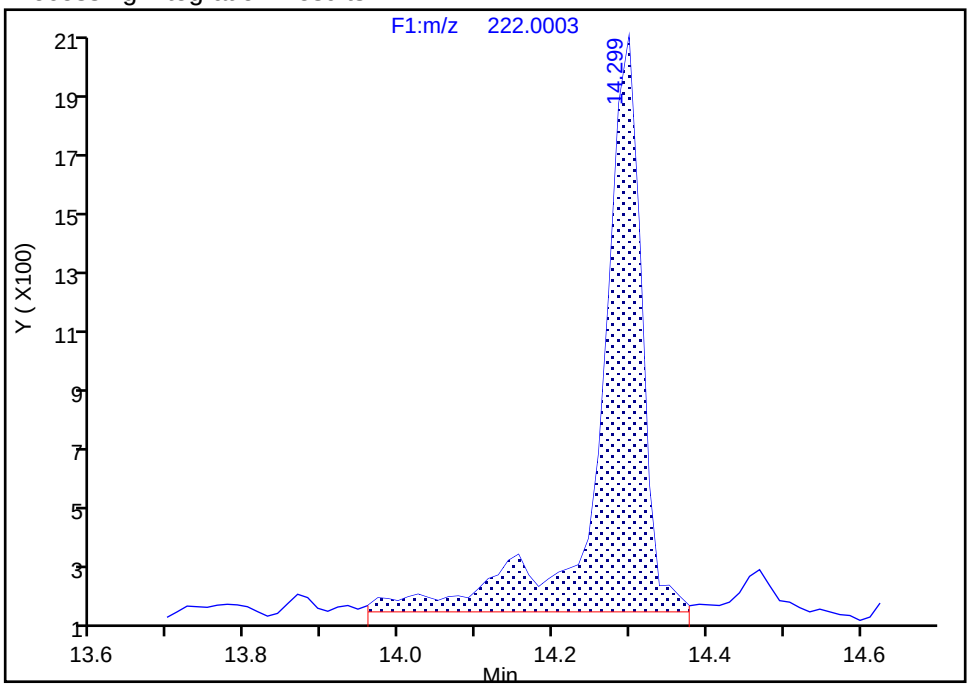
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4, CAS: 13029-08-8

Signal: 1

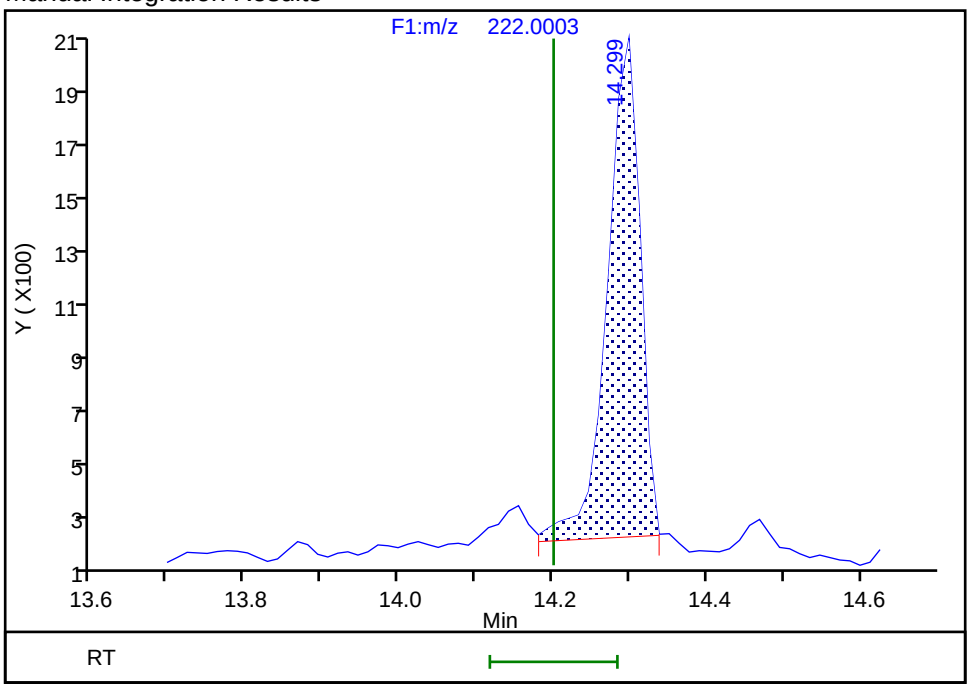
Processing Integration Results

RT: 14.30
Area: 7207
Amount: 8.386854
Amount Units: pg/ul




Manual Integration Results

RT: 14.30
Area: 5385
Amount: 6.506139
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:41:17

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

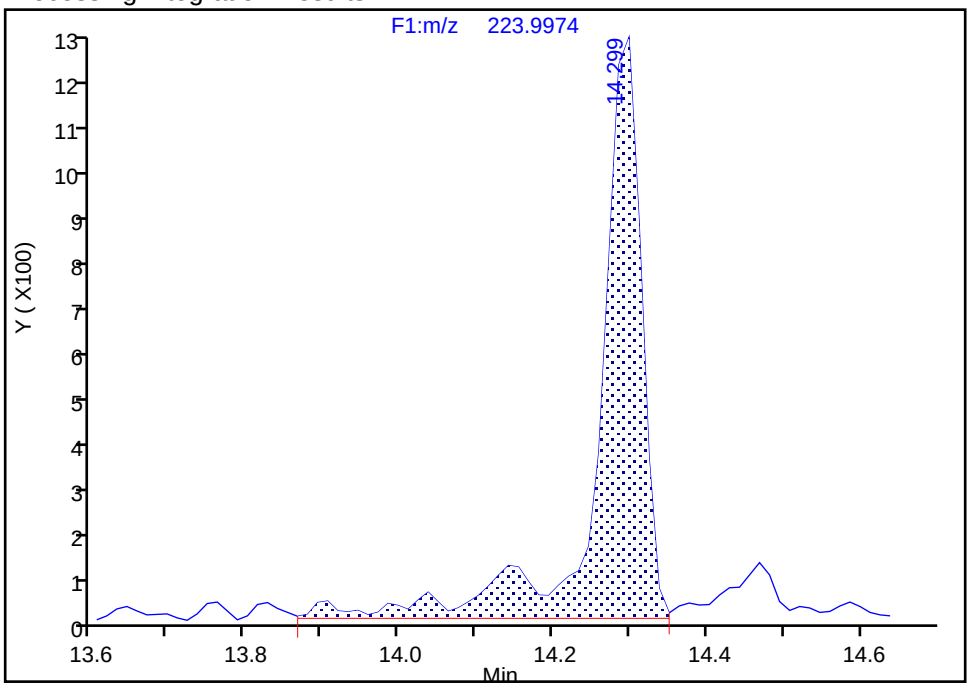
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4, CAS: 13029-08-8

Signal: 2

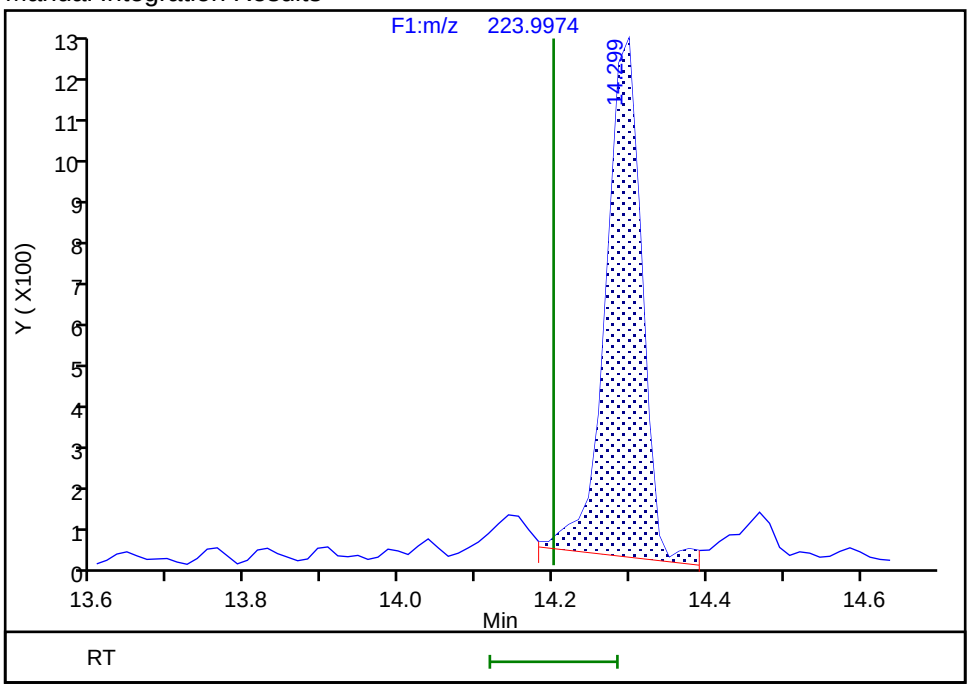
Processing Integration Results

RT: 14.30
Area: 4655
Amount: 8.386854
Amount Units: pg/ul




Manual Integration Results

RT: 14.30
Area: 3817
Amount: 6.506139
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:41:30
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

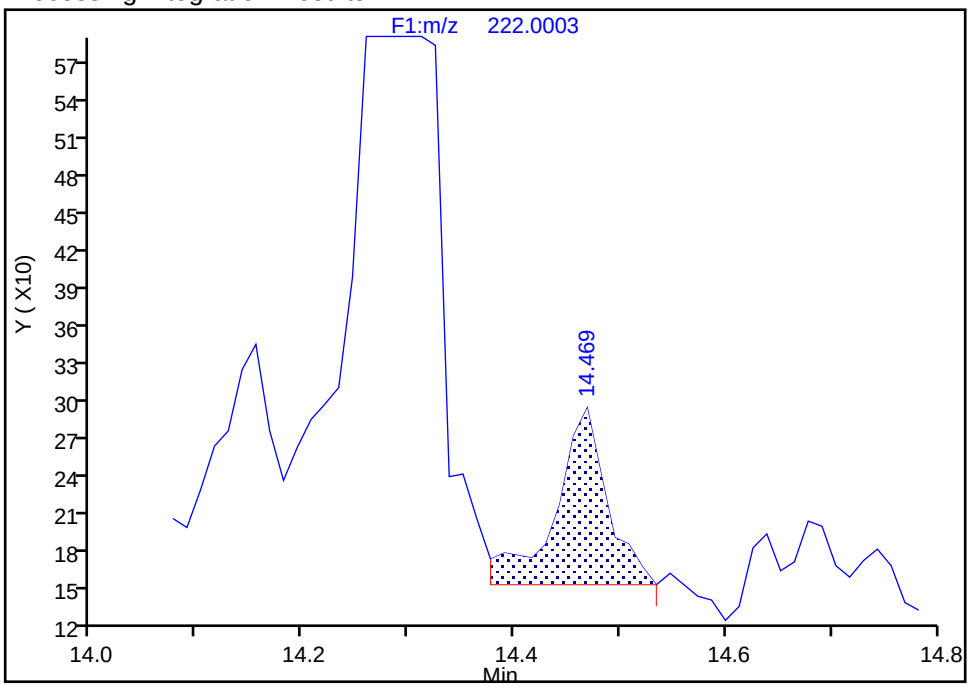
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-10, CAS: 33146-45-1

Signal: 1

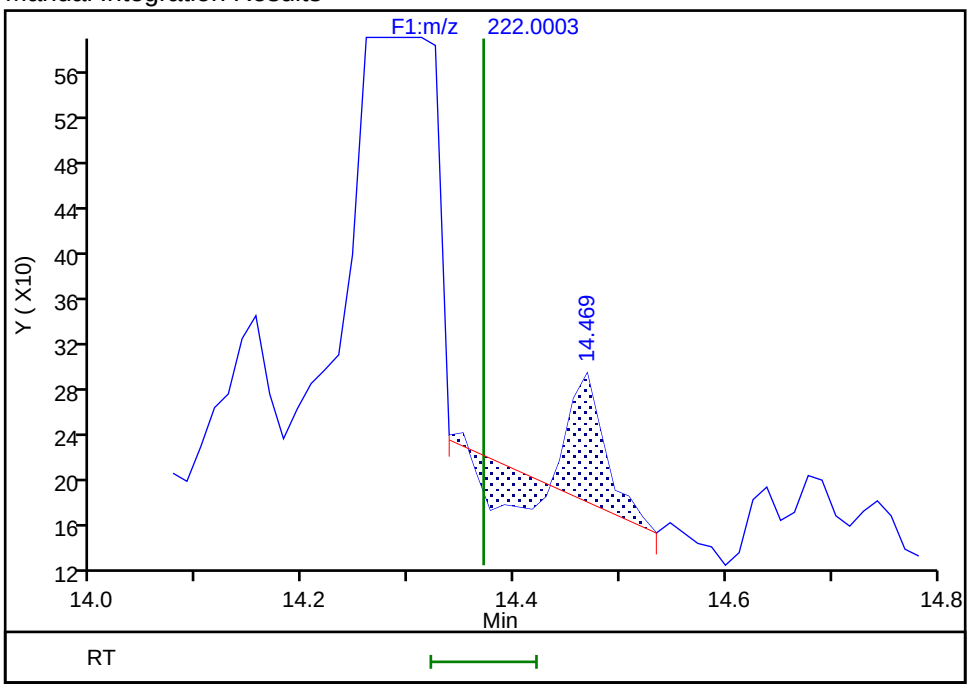
Processing Integration Results

RT: 14.47
Area: 470
Amount: 0.483945
Amount Units: pg/ul




Manual Integration Results

RT: 14.47
Area: 143
Amount: 0.257543
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:41:17

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

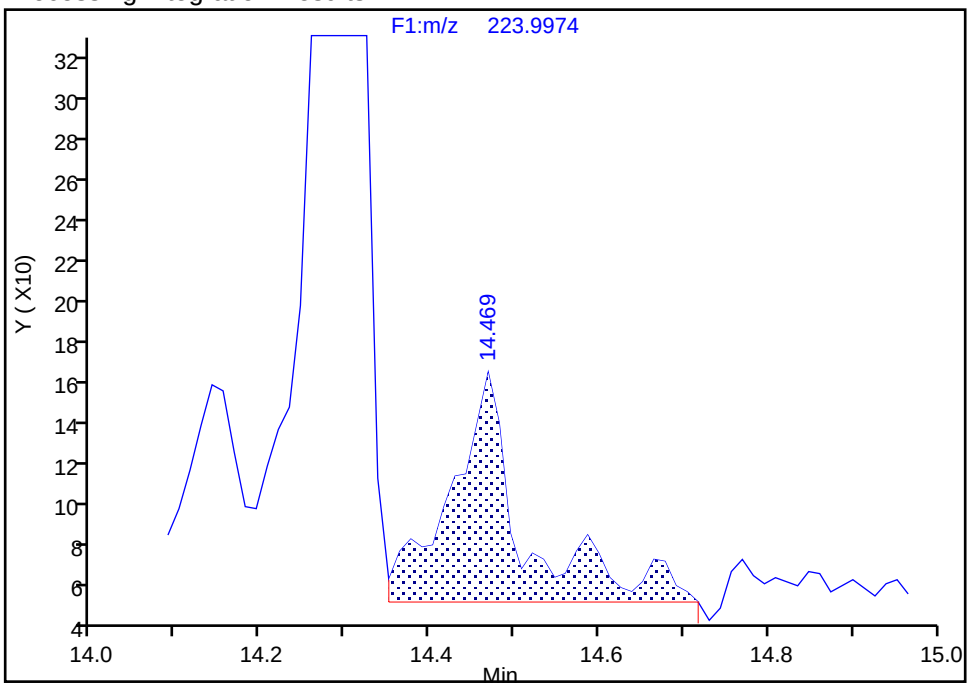
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-10, CAS: 33146-45-1

Signal: 2

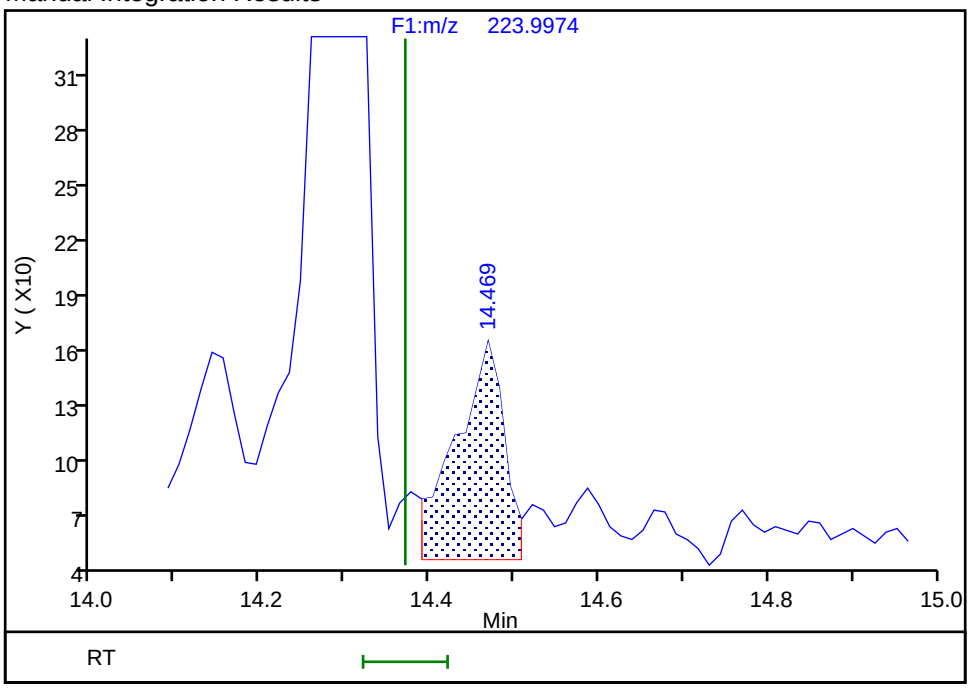
Processing Integration Results

RT: 14.47
Area: 680
Amount: 0.483945
Amount Units: pg/ul




Manual Integration Results

RT: 14.47
Area: 469
Amount: 0.257543
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:41:30
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

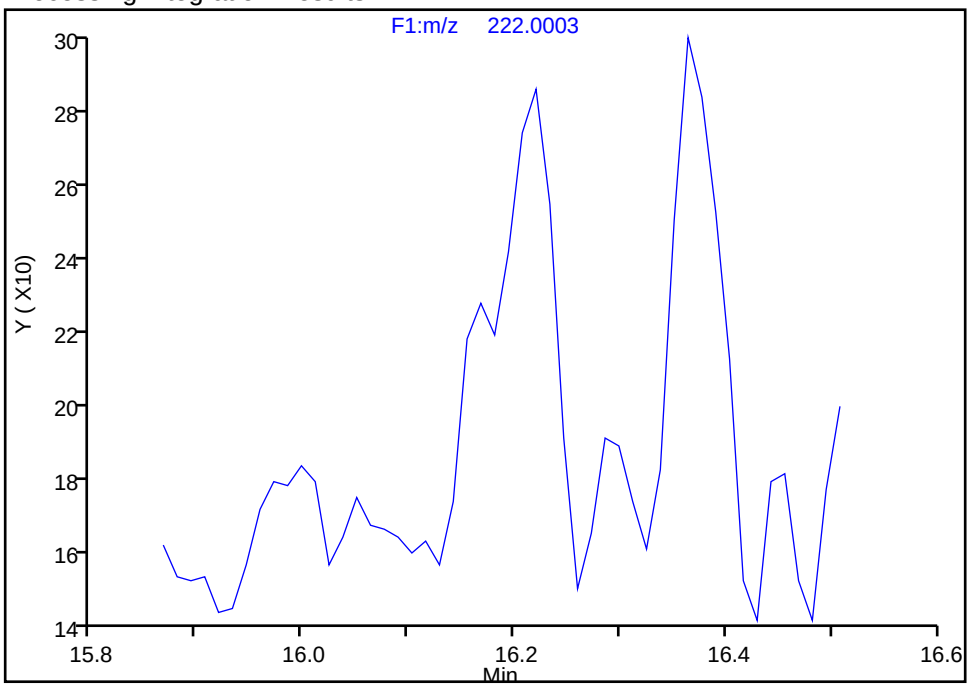
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-9, CAS: 34883-39-1

Signal: 1

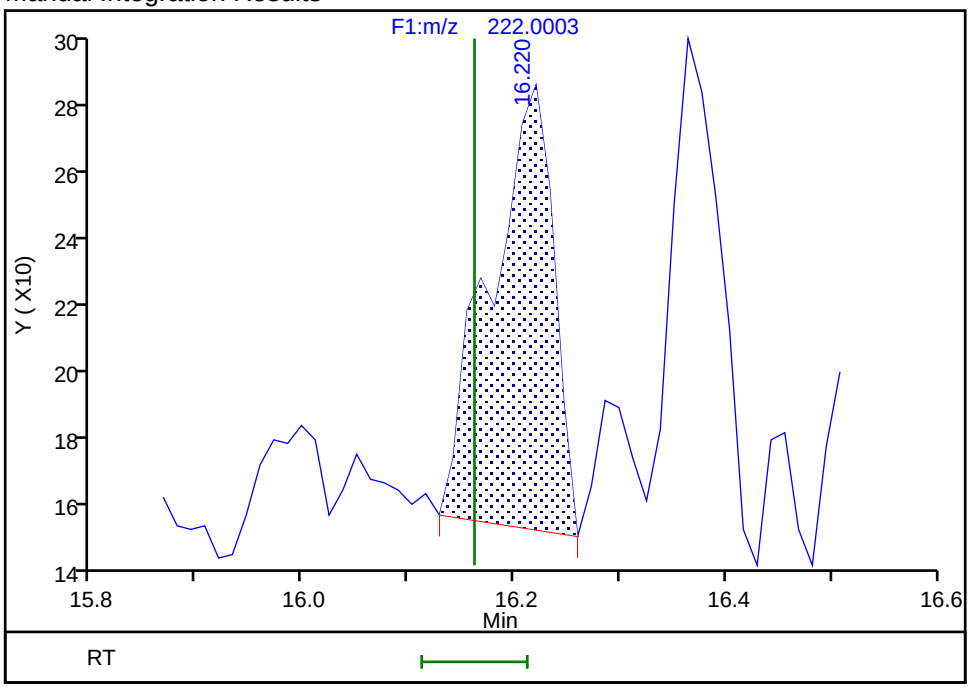
Not Detected
Expected RT: 16.16

Processing Integration Results




Manual Integration Results

RT: 16.22
Area: 513
Amount: 0.482501
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 10:58:07
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

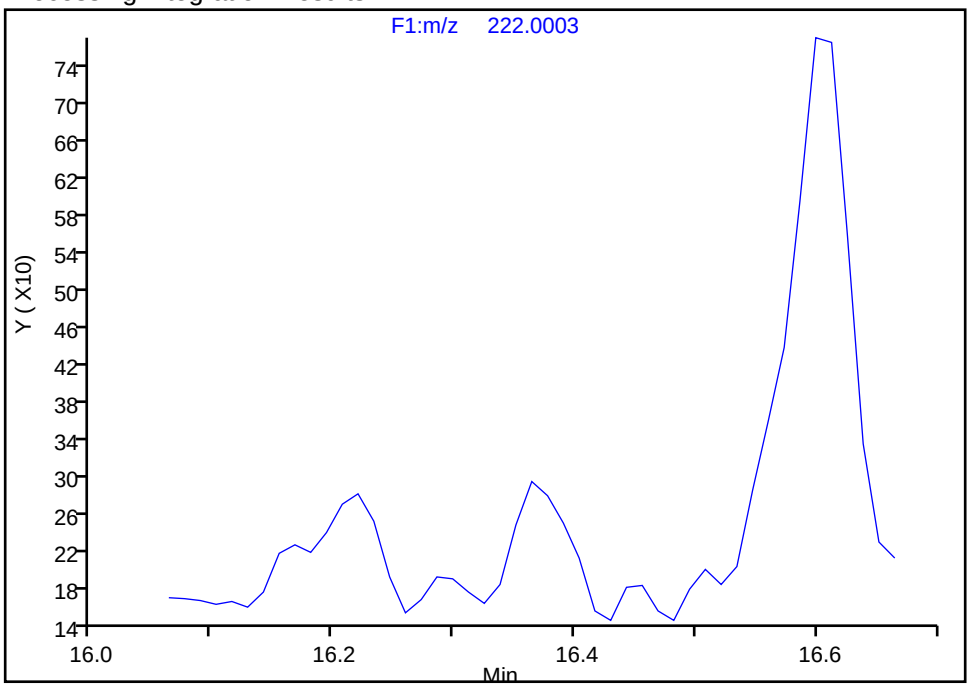
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 1

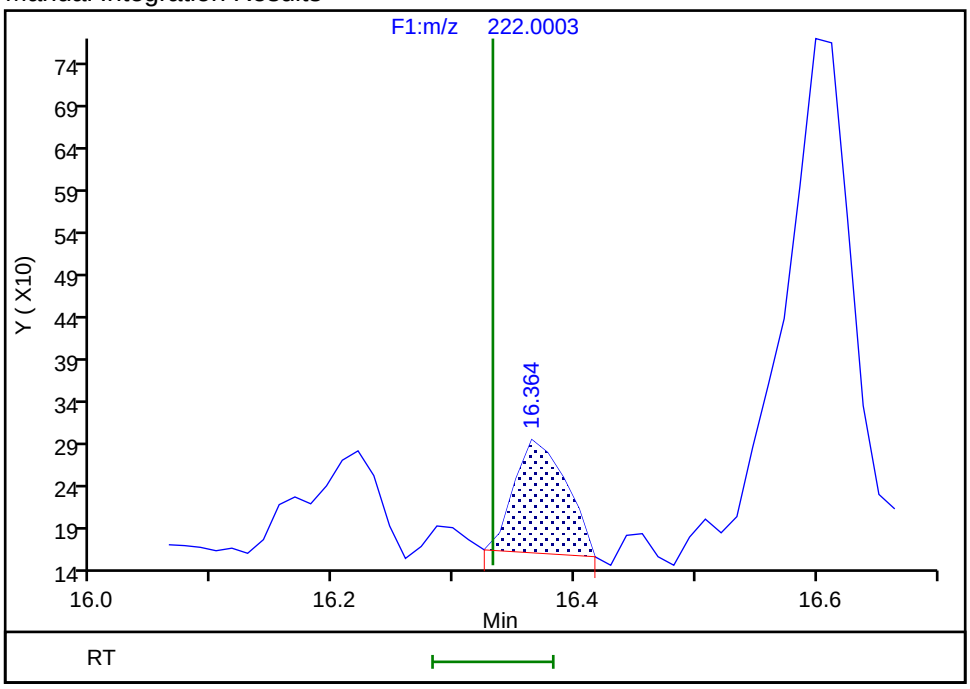
Not Detected
Expected RT: 16.33

Processing Integration Results




Manual Integration Results

RT: 16.36
Area: 395
Amount: 0.275043
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:41:43
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

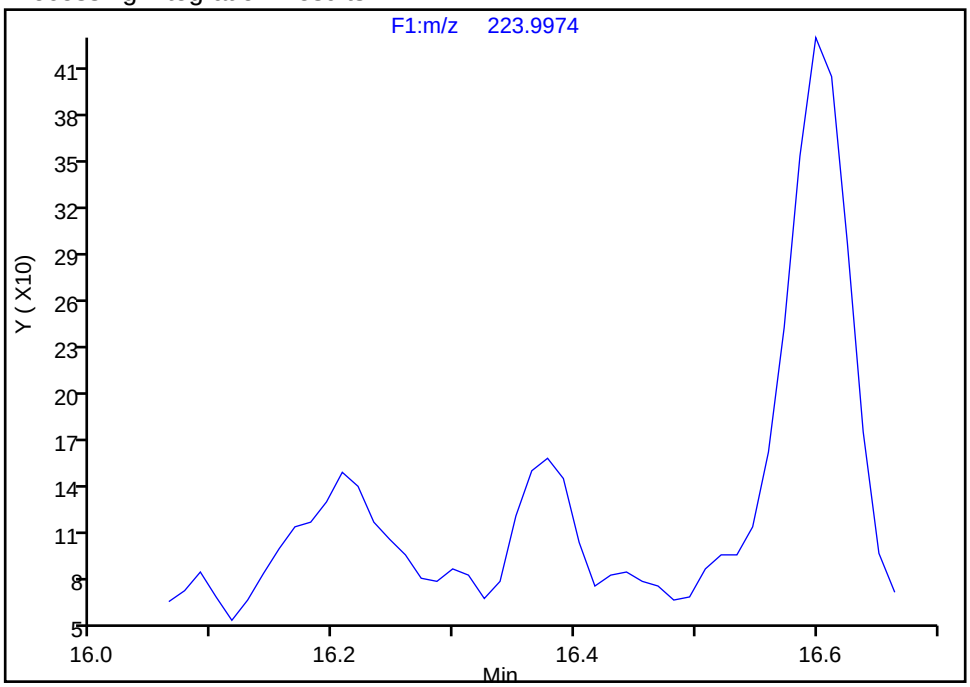
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 2

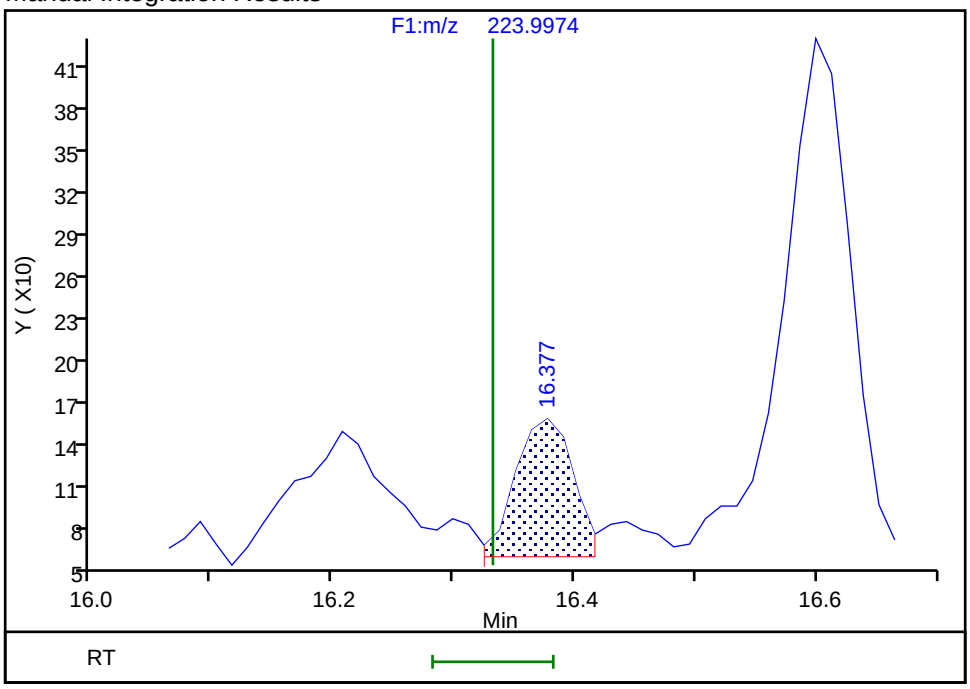
Not Detected
Expected RT: 16.33

Processing Integration Results




Manual Integration Results

RT: 16.38
Area: 321
Amount: 0.275043
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:41:43
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

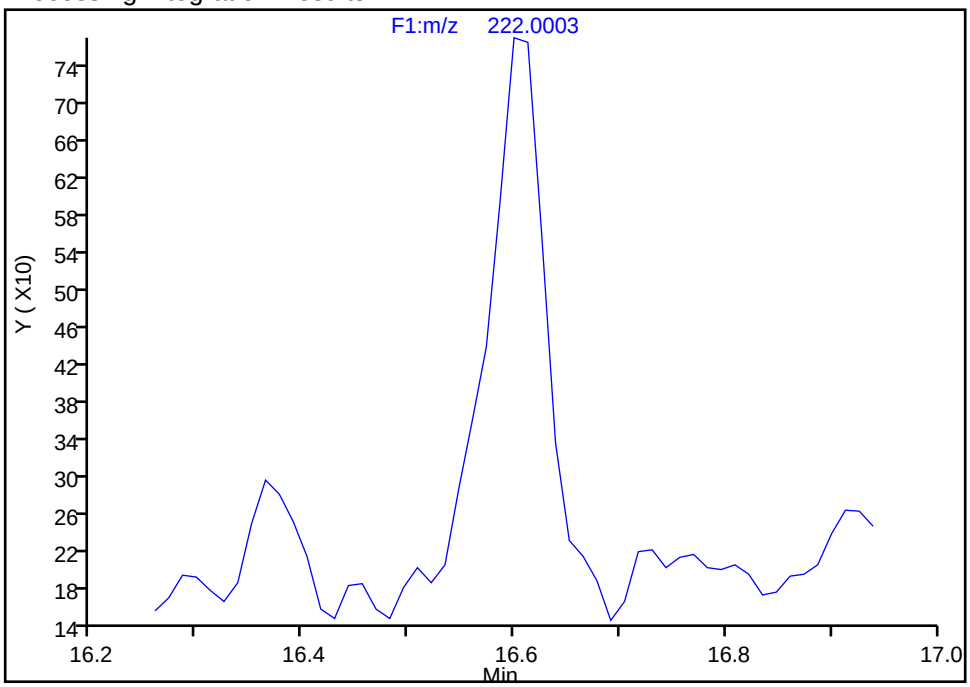
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

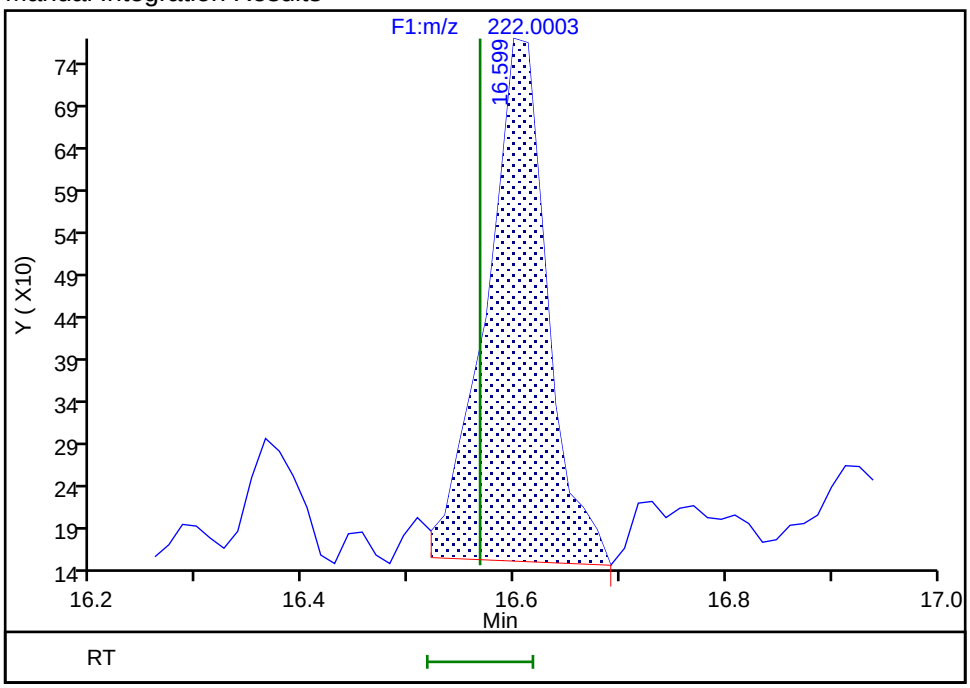
Not Detected
Expected RT: 16.57

Processing Integration Results




Manual Integration Results

RT: 16.60
Area: 2463
Amount: 1.692199
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 10:58:15
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 3

Processing Integration Results

| | |
|---|---|
| RT: | 17.03 |
| Area: | 13778 |
| Amount: | 5.257033 |
| Amount Units: | pg/ul |

Manual Integration Results

| | |
|---|---|
| RT: | 16.91 |
| Area: | 598 |
| Amount: | 0.239096 |
| Amount Units: | pg/ul |

Reviewer: layk, 26-Sep-2019 10:58:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

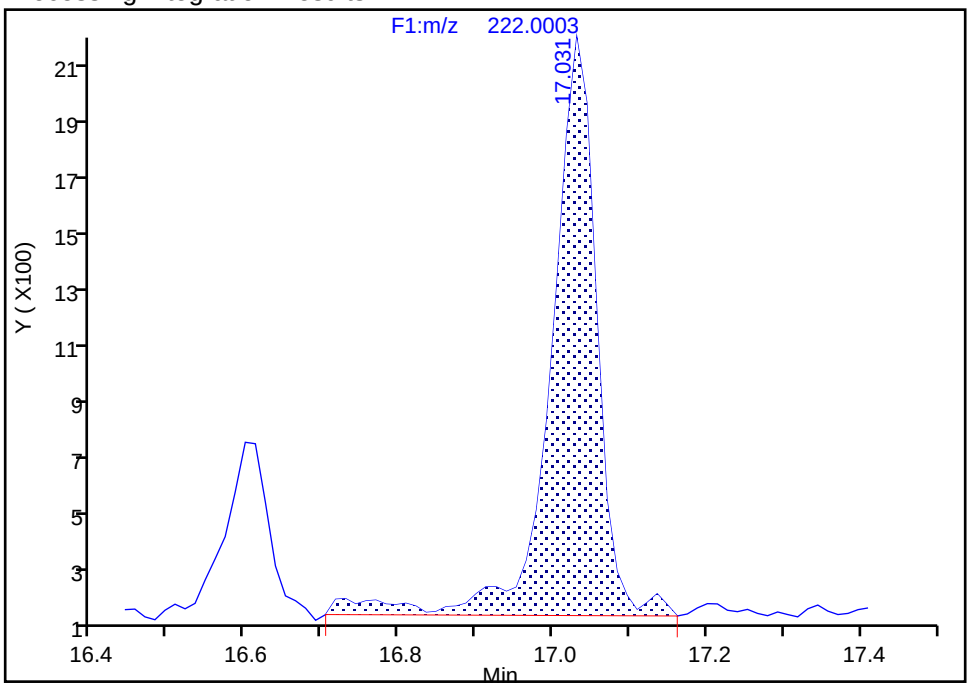
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 1

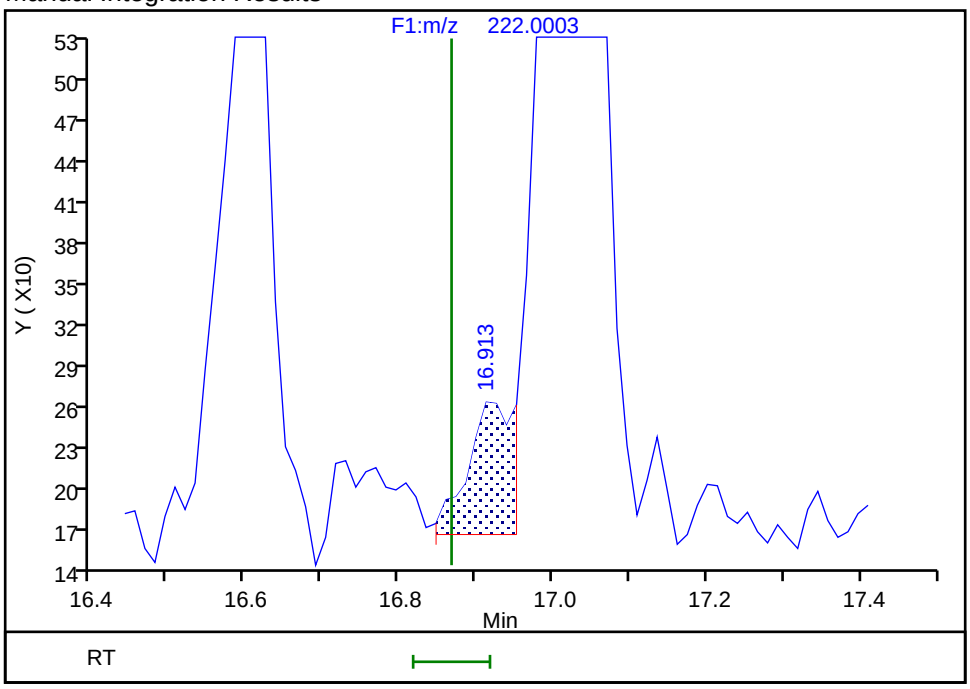
Processing Integration Results

RT: 17.03
Area: 8371
Amount: 5.257033
Amount Units: pg/ul




Manual Integration Results

RT: 16.91
Area: 374
Amount: 0.239096
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:41:55

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

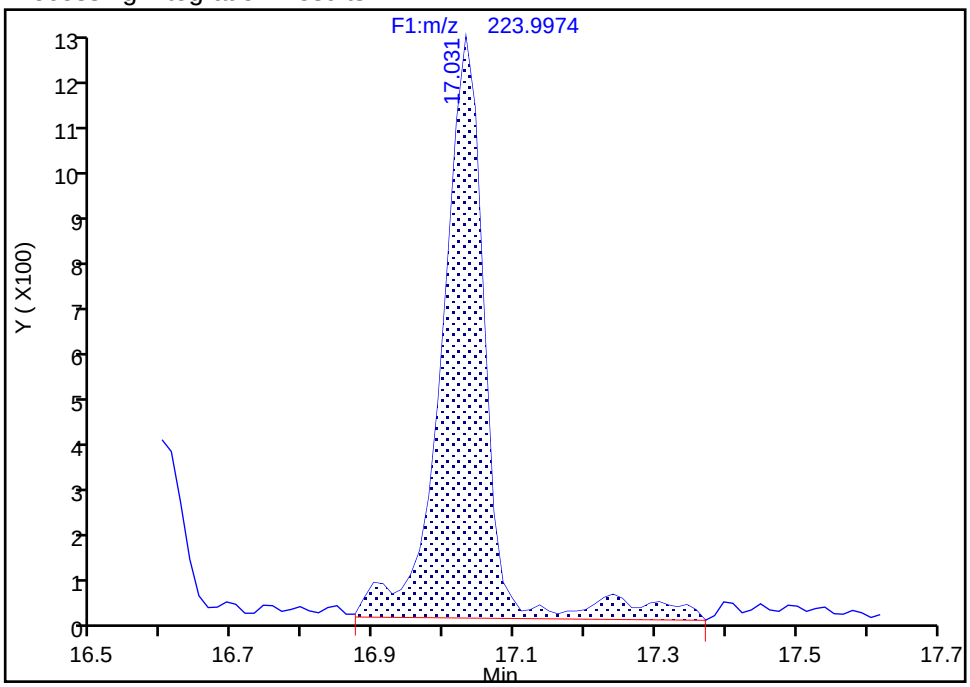
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 2

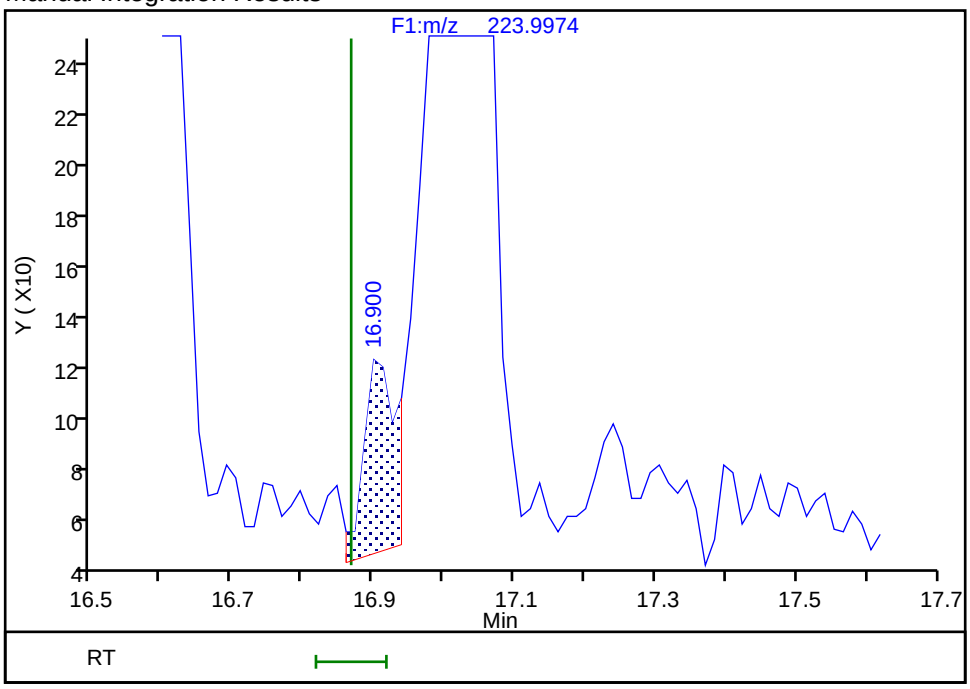
Processing Integration Results

RT: 17.03
Area: 5407
Amount: 5.257033
Amount Units: pg/ul




Manual Integration Results

RT: 16.90
Area: 224
Amount: 0.239096
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:03
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

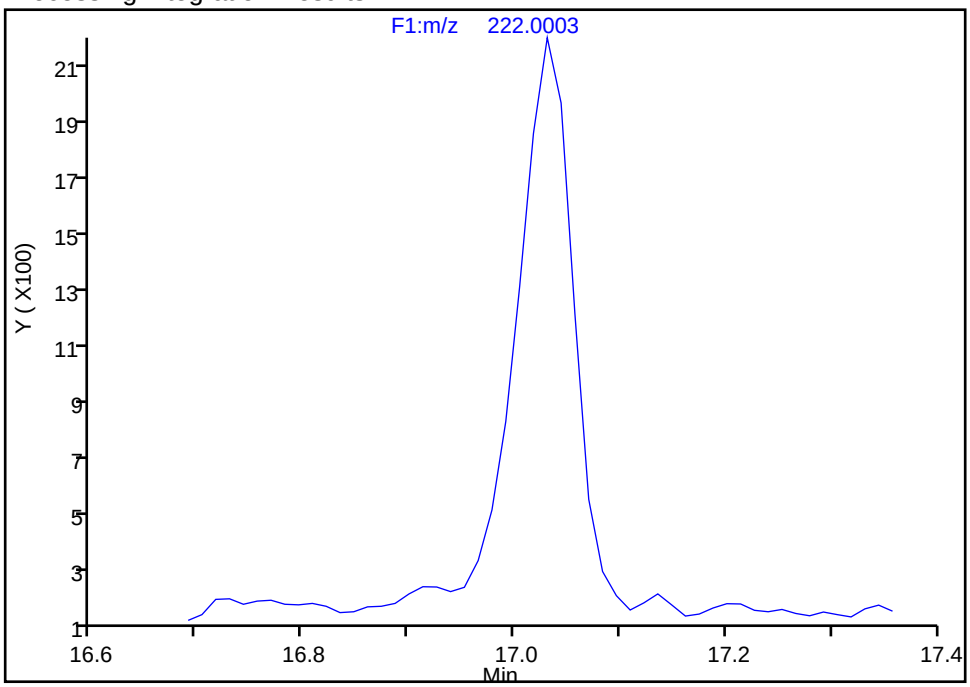
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

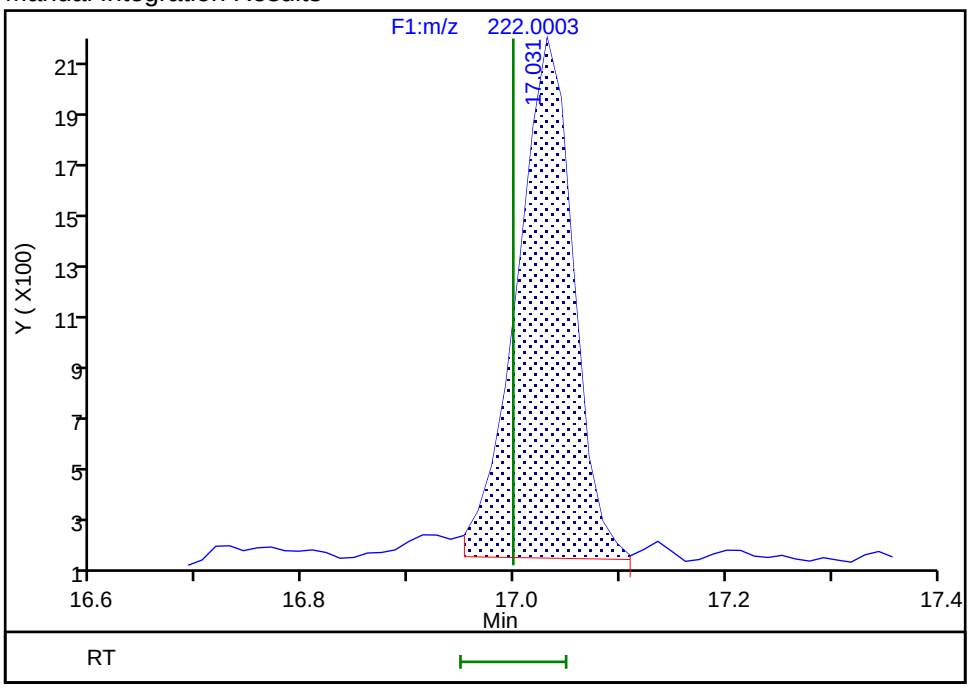
Not Detected
Expected RT: 17.00

Processing Integration Results




Manual Integration Results

RT: 17.03
Area: 7418
Amount: 4.761742
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:09
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

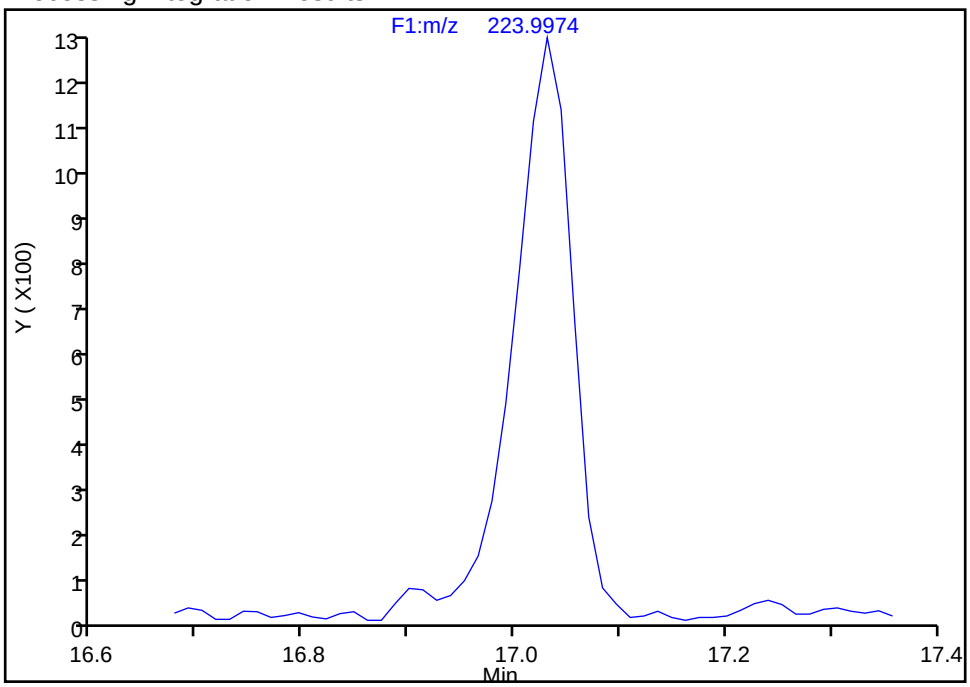
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 2

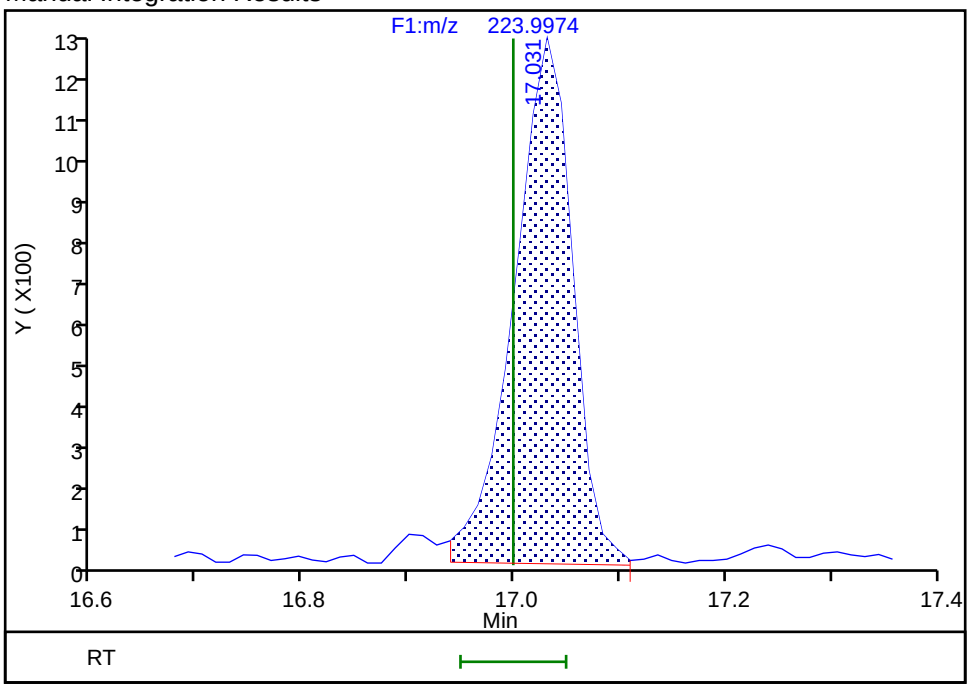
Processing Integration Results

Not Detected
Expected RT: 17.00




Manual Integration Results

RT: 17.03
Area: 4703
Amount: 4.761742
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:14
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

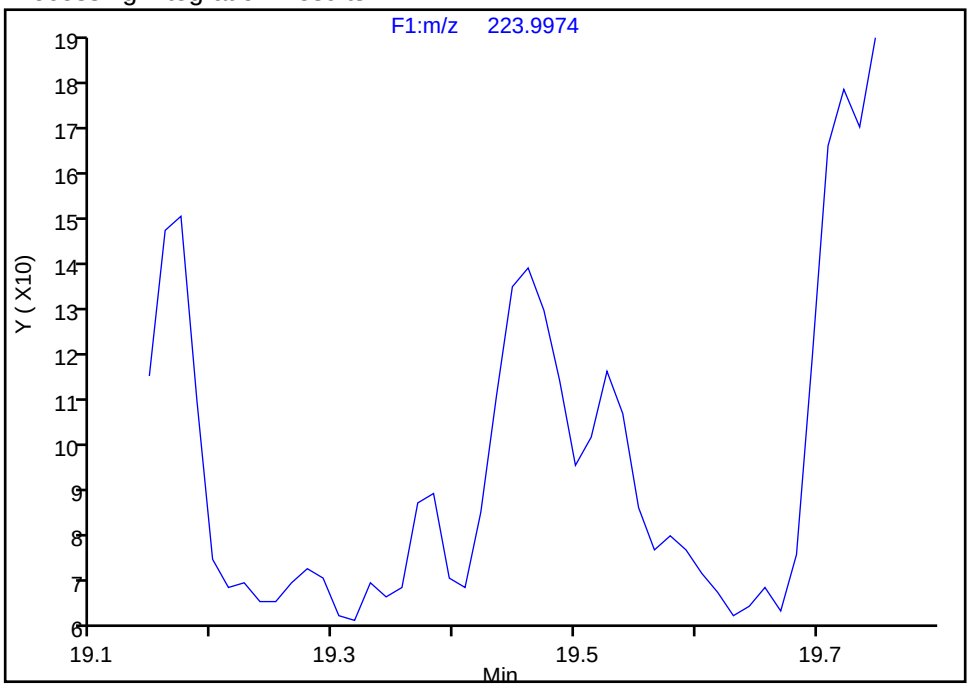
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

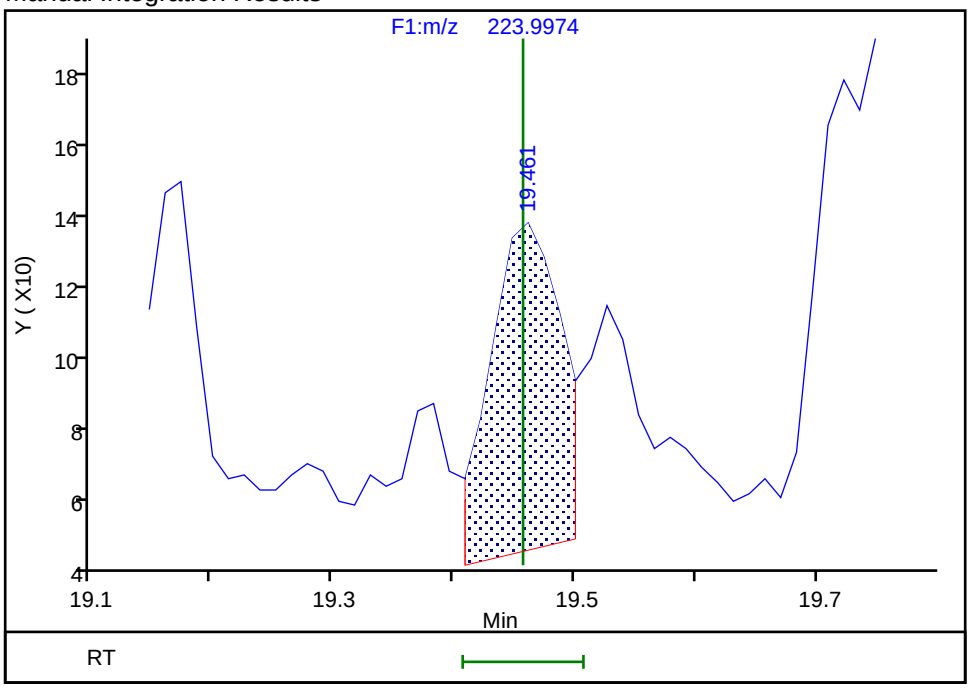
Not Detected
Expected RT: 19.46

Processing Integration Results




Manual Integration Results

RT: 19.46
Area: 345
Amount: 0.316066
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:32
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

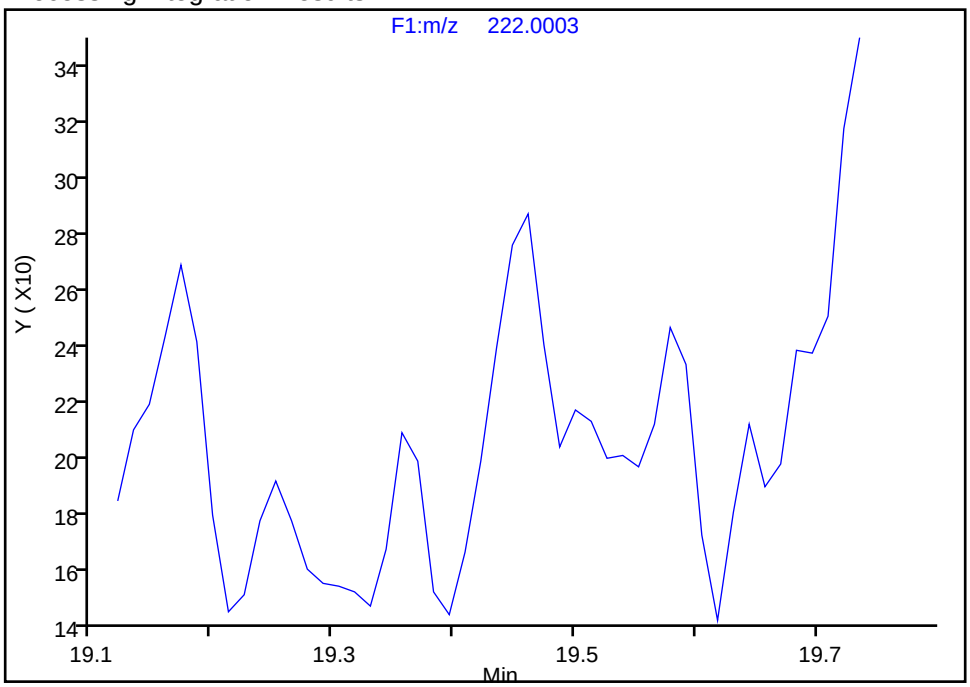
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

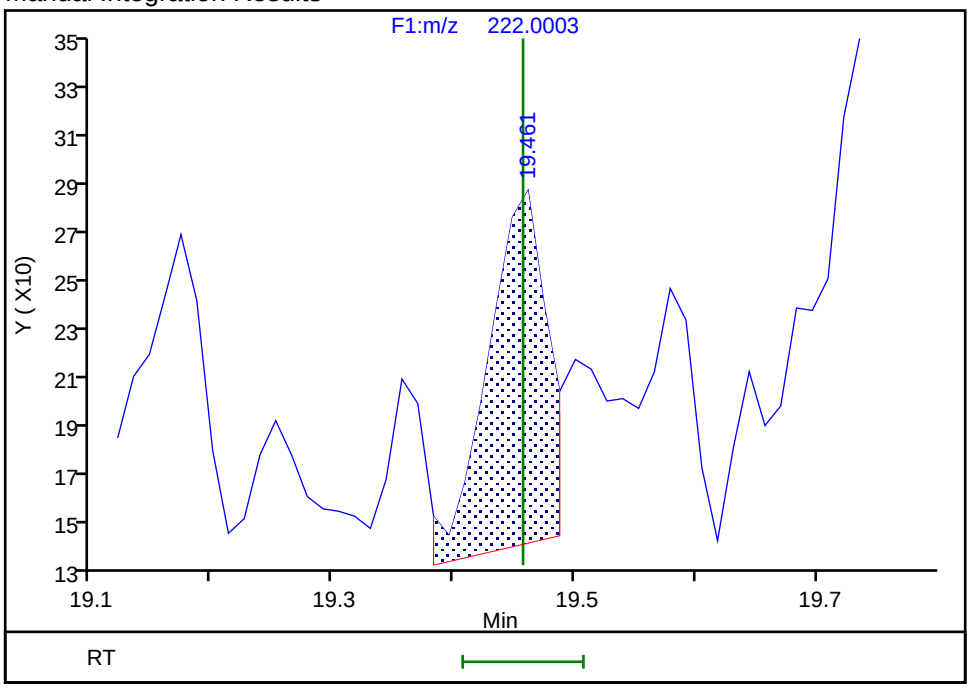
Not Detected
Expected RT: 19.46

Processing Integration Results




Manual Integration Results

RT: 19.46
Area: 483
Amount: 0.316066
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:32
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

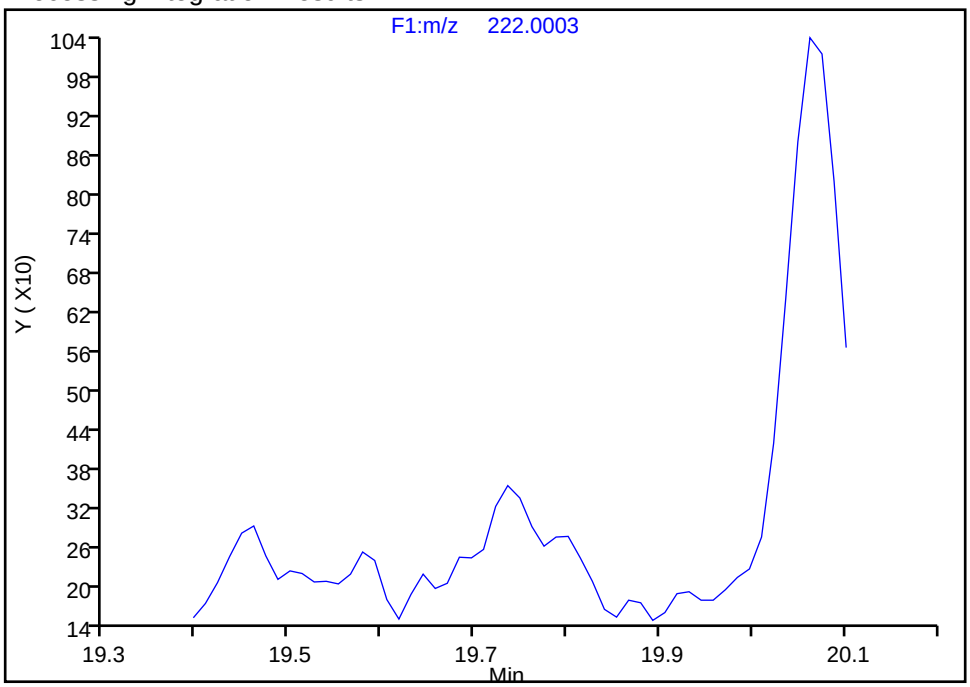
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

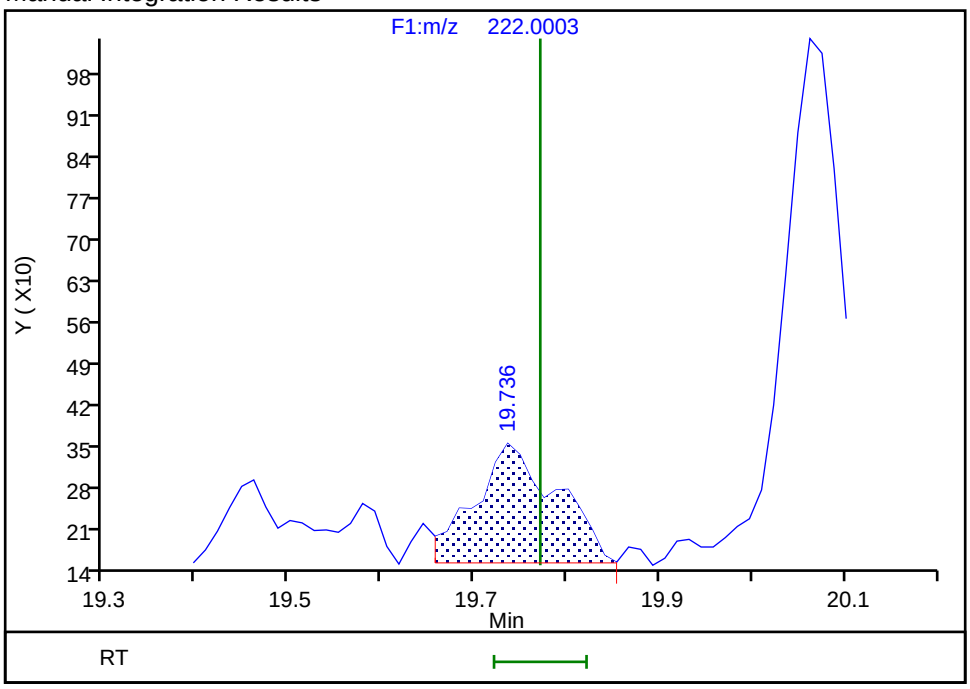
Not Detected
Expected RT: 19.77

Processing Integration Results




Manual Integration Results

RT: 19.74
Area: 1242
Amount: 0.779870
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:43
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

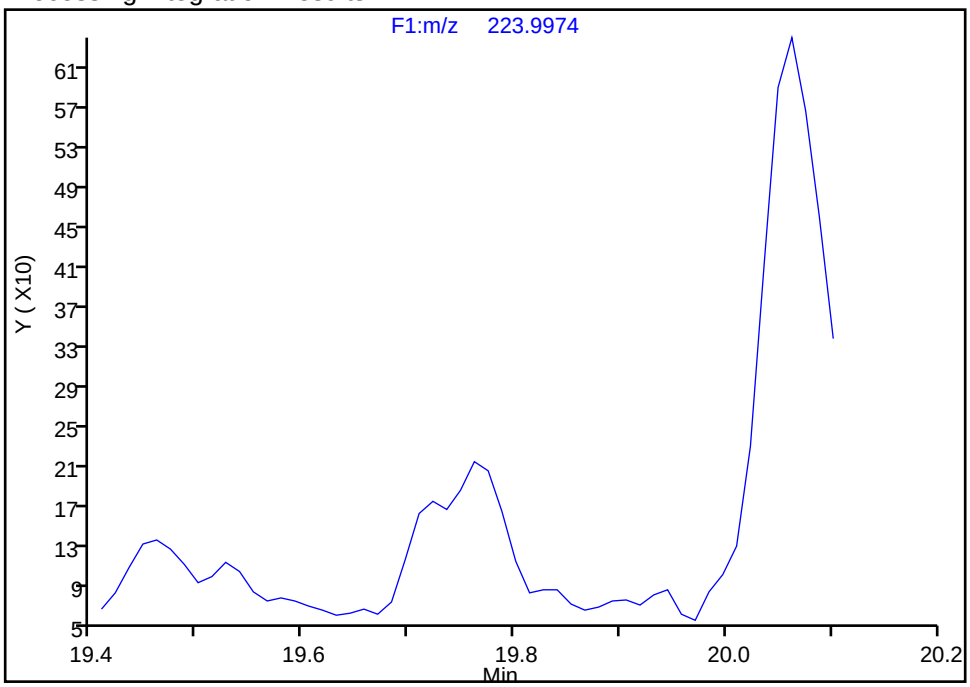
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 2

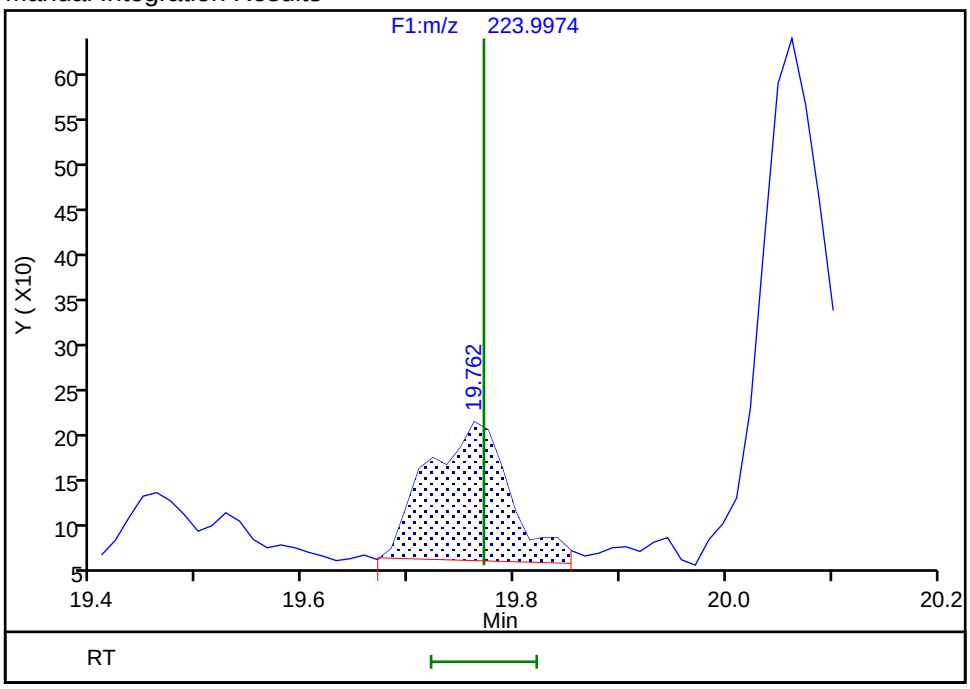
Not Detected
Expected RT: 19.77

Processing Integration Results




Manual Integration Results

RT: 19.76
Area: 809
Amount: 0.779870
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

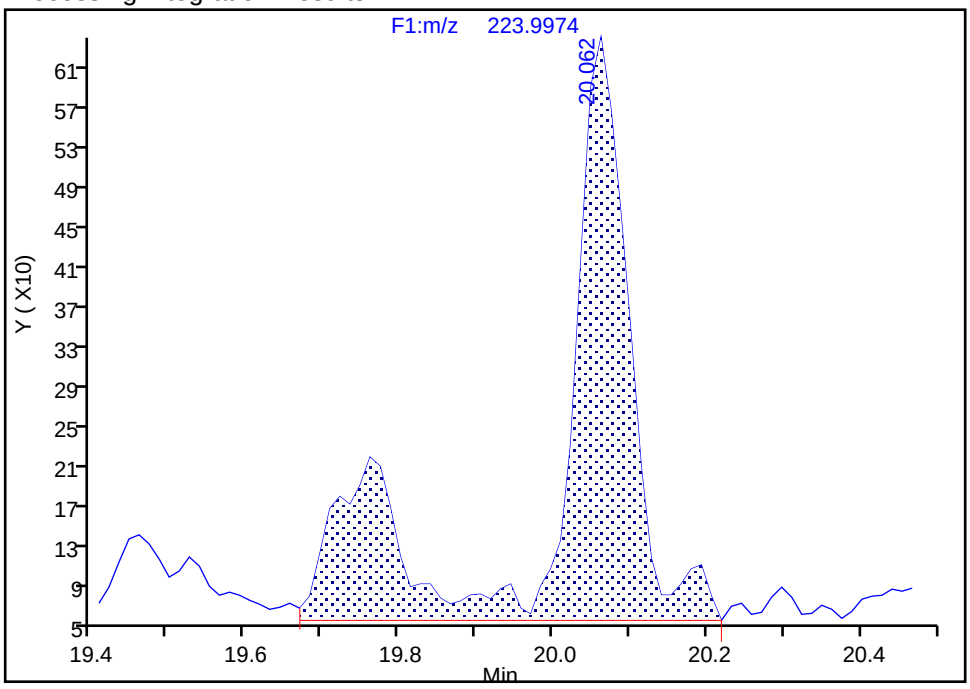
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 2

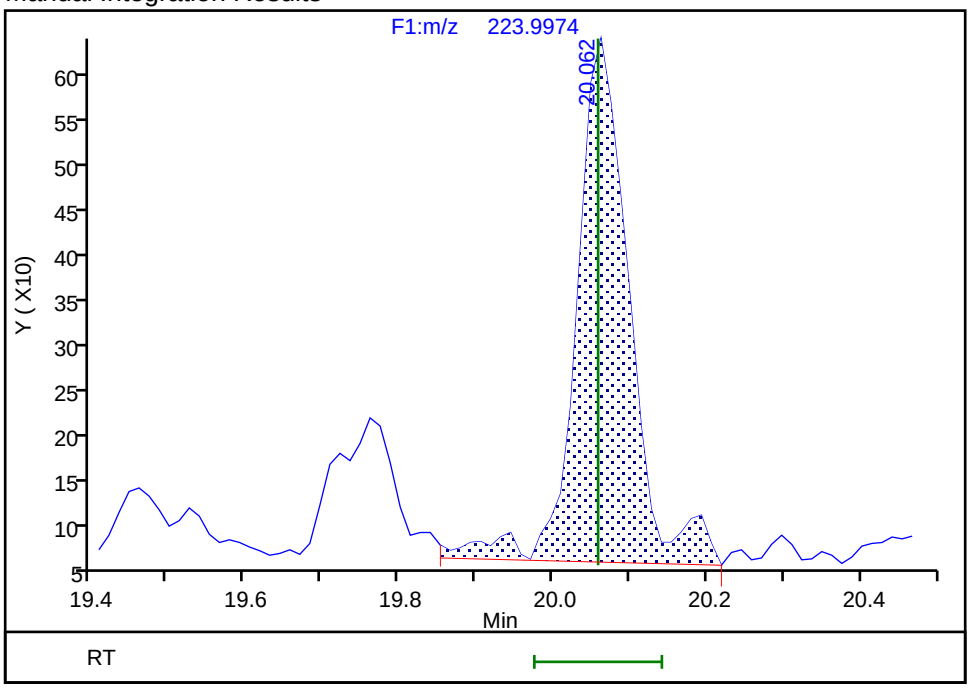
Processing Integration Results

RT: 20.06
Area: 3779
Amount: 2.332145
Amount Units: pg/ul




Manual Integration Results

RT: 20.06
Area: 2760
Amount: 2.250379
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:42:49

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

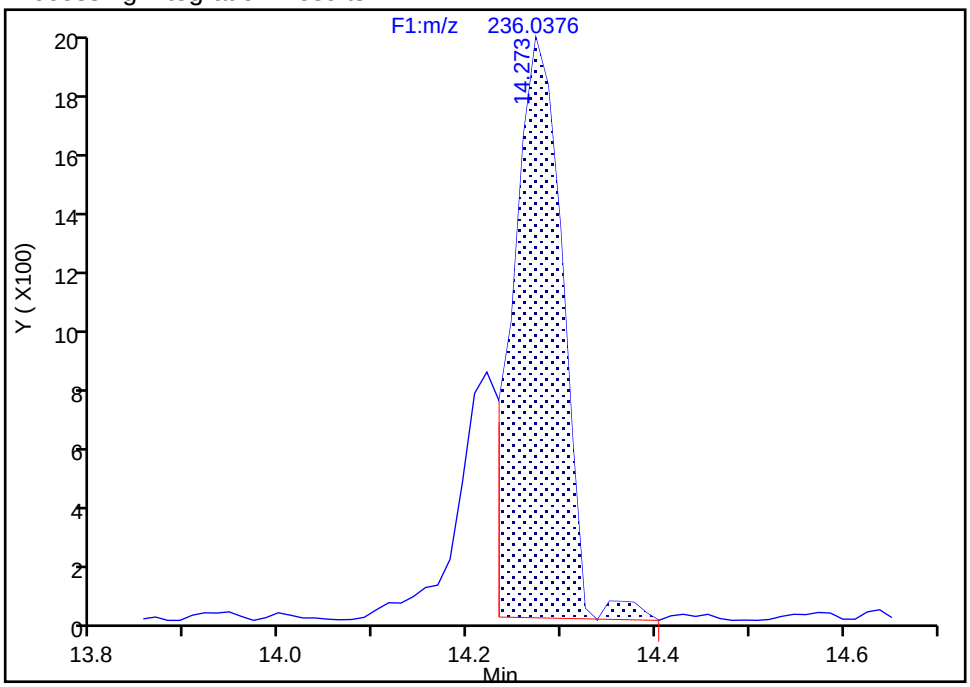
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4L, CAS: 234432-86-1

Signal: 2

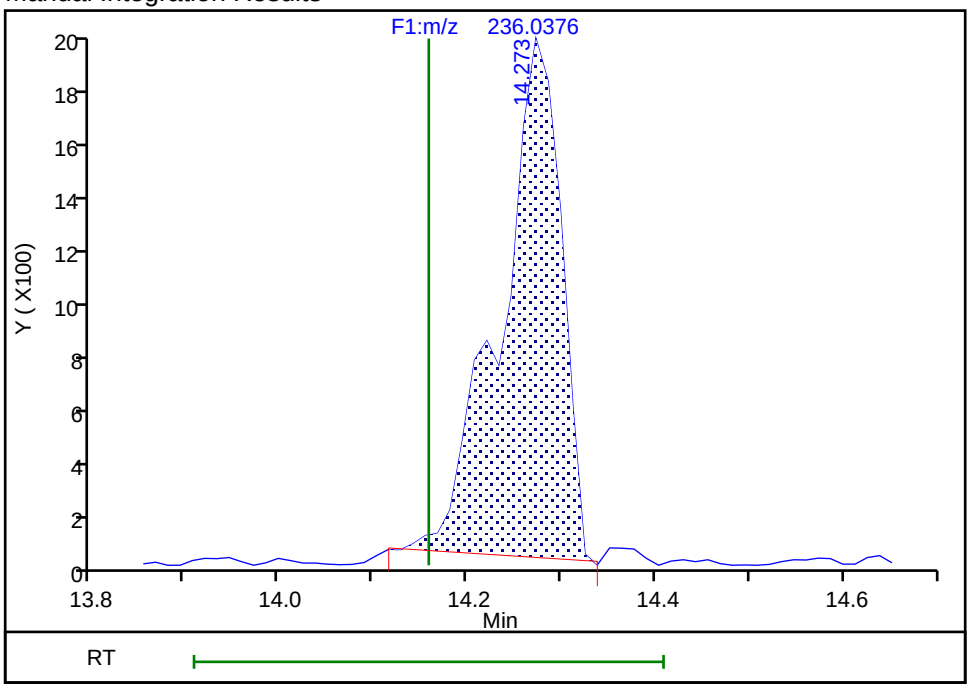
Processing Integration Results

RT: 14.27
Area: 6803
Amount: 13.855815
Amount Units: pg/ul




Manual Integration Results

RT: 14.27
Area: 8507
Amount: 15.310716
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:40:43

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

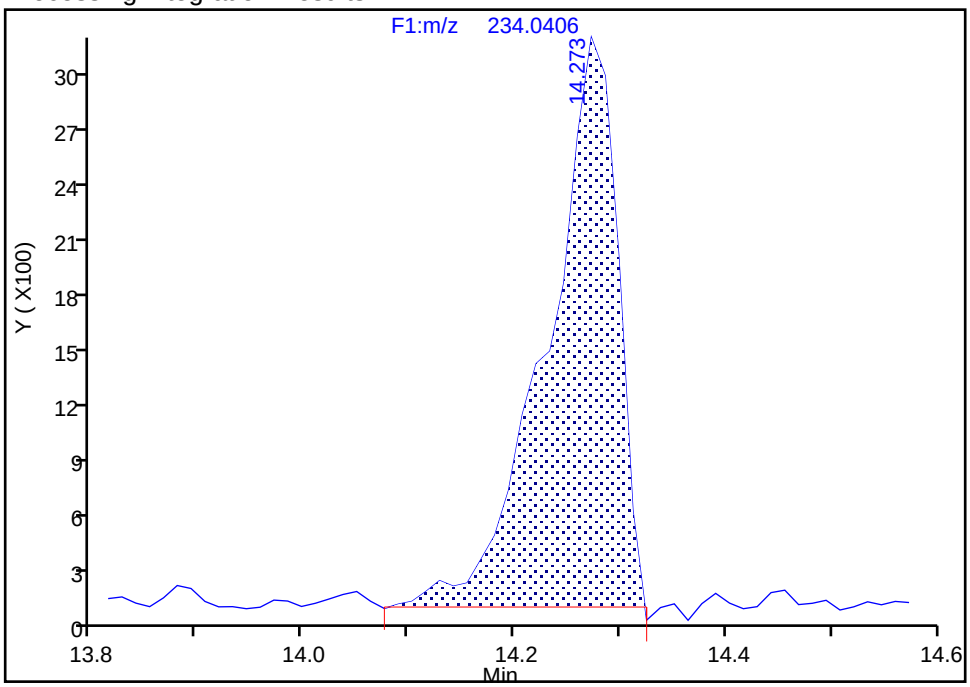
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4L, CAS: 234432-86-1

Signal: 1

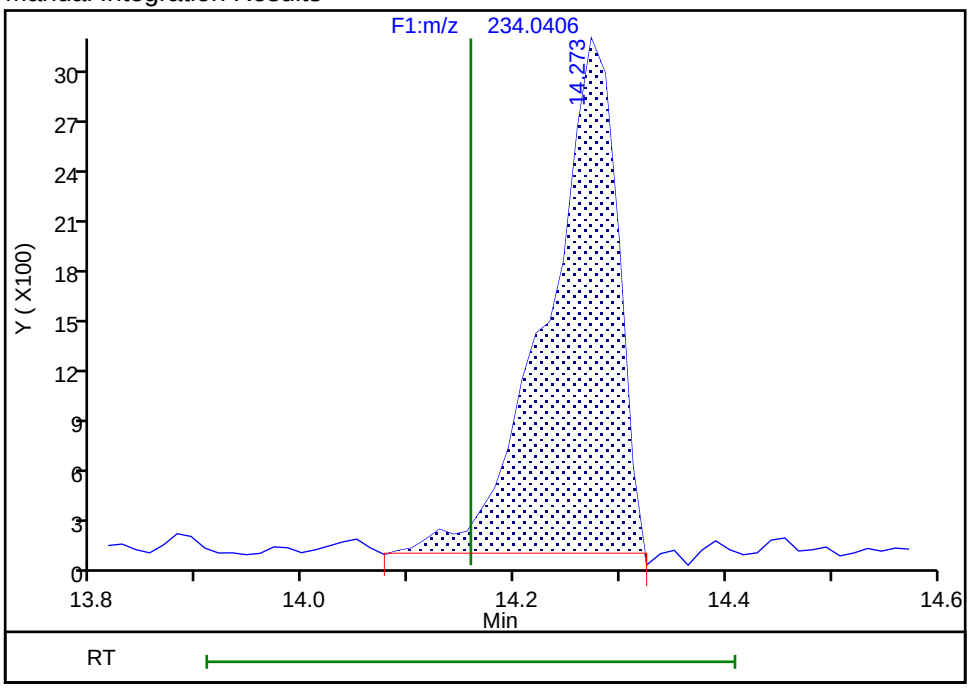
Processing Integration Results

RT: 14.27
Area: 14063
Amount: 13.855815
Amount Units: pg/ul




Manual Integration Results

RT: 14.27
Area: 14063
Amount: 15.310716
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:40:48

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

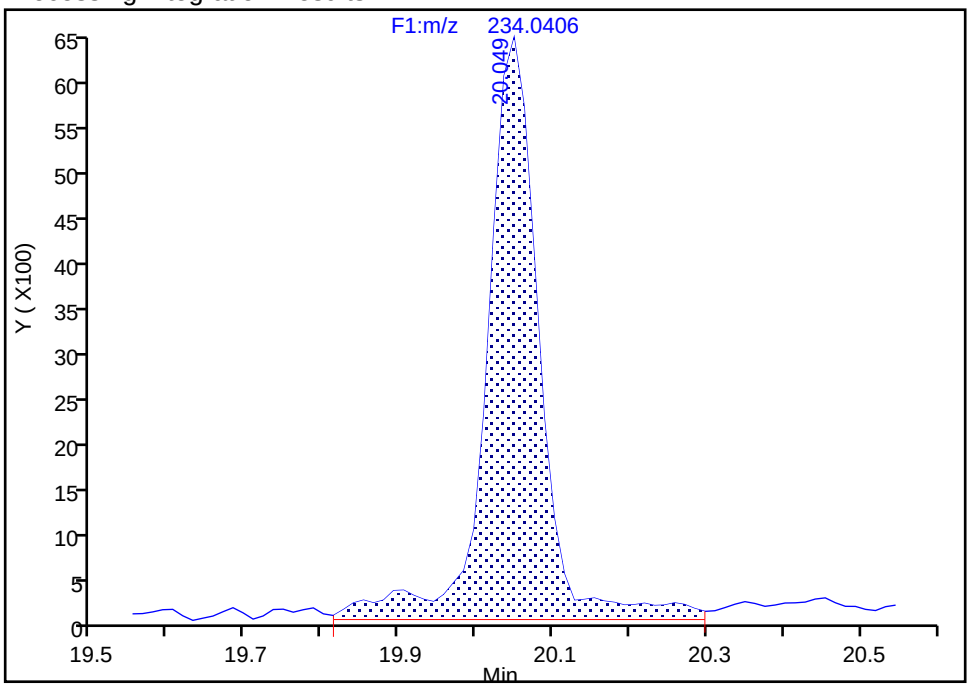
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 1

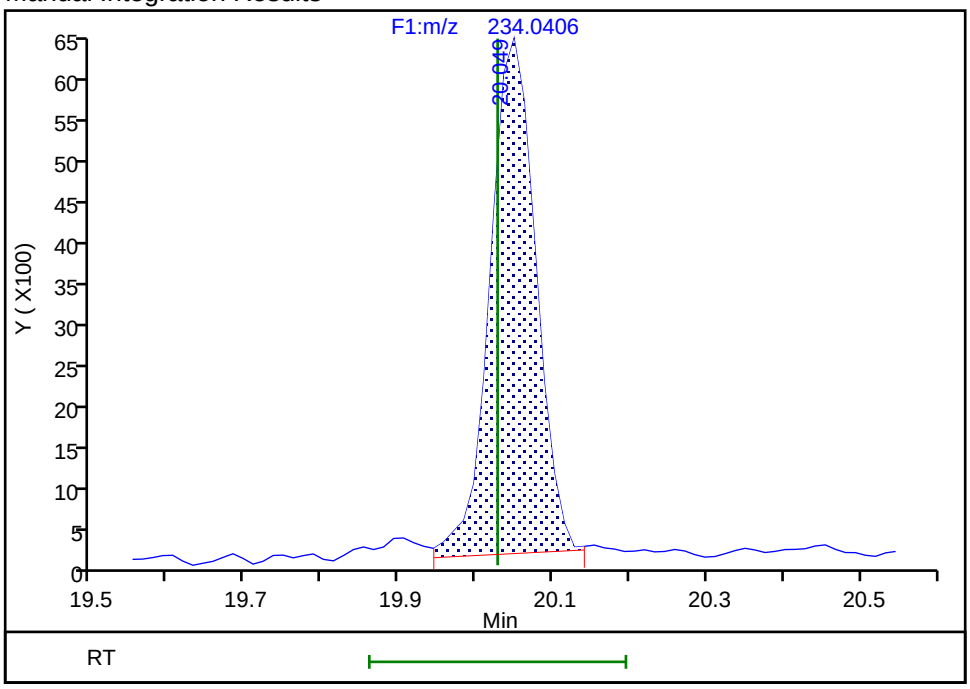
Processing Integration Results

RT: 20.05
Area: 30484
Amount: 18.321528
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 25709
Amount: 16.432364
Amount Units: pg/ul



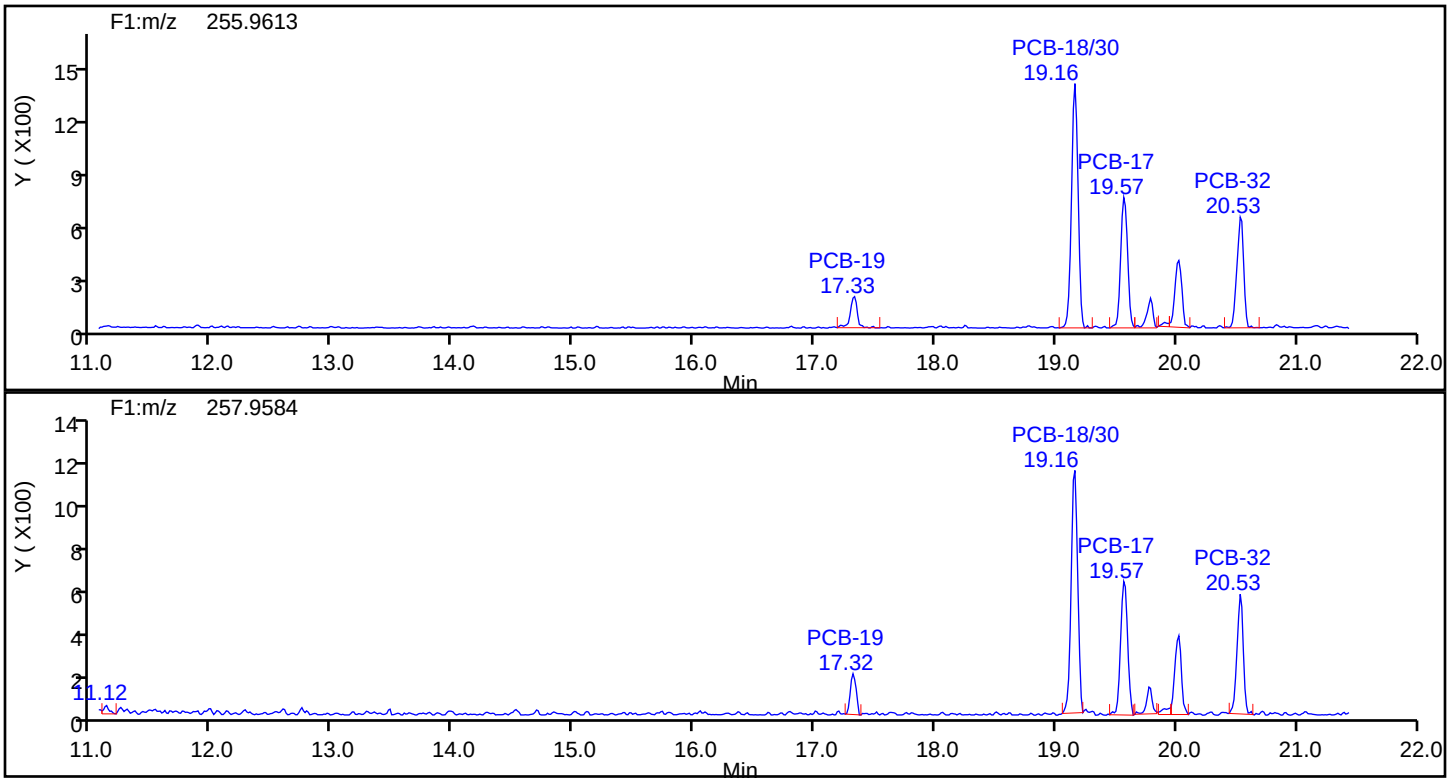

Reviewer: nordquistj, 26-Sep-2019 14:41:09

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

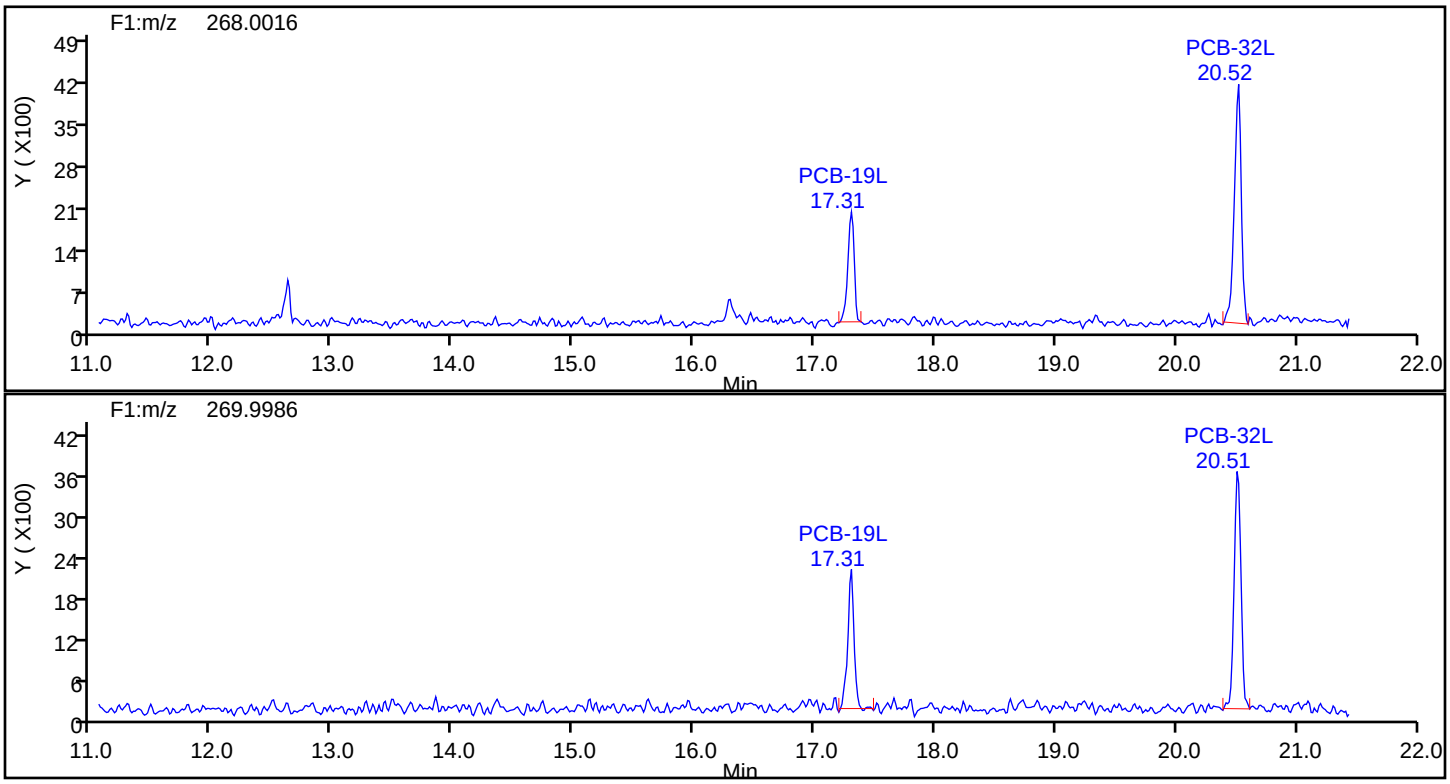
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



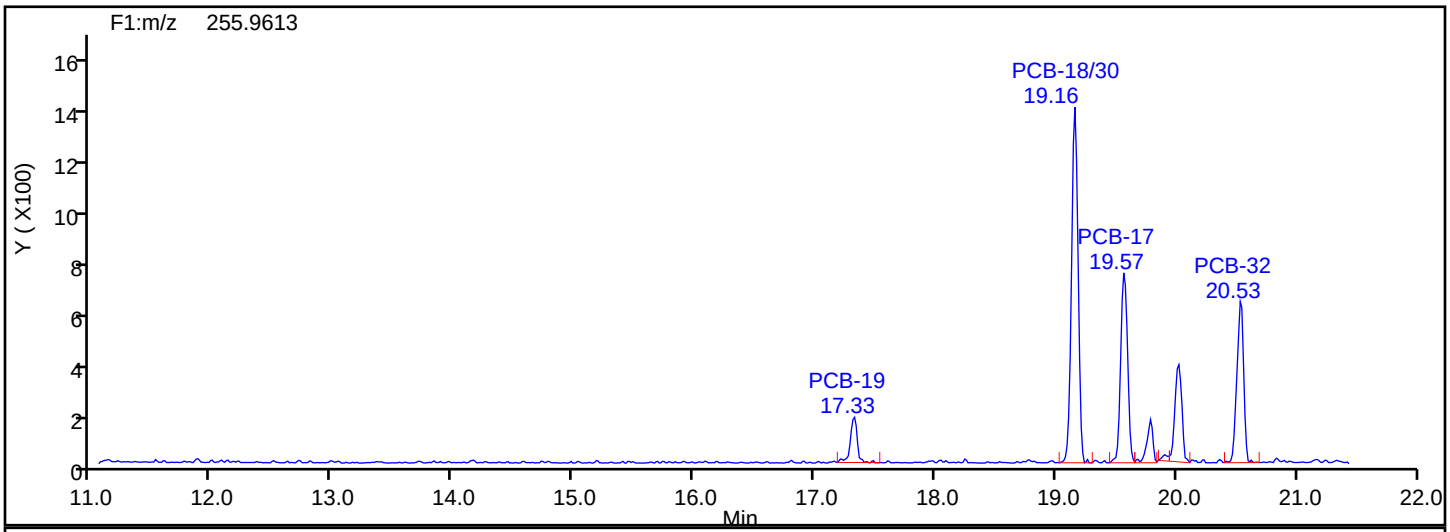

TriPCB F1 Standards

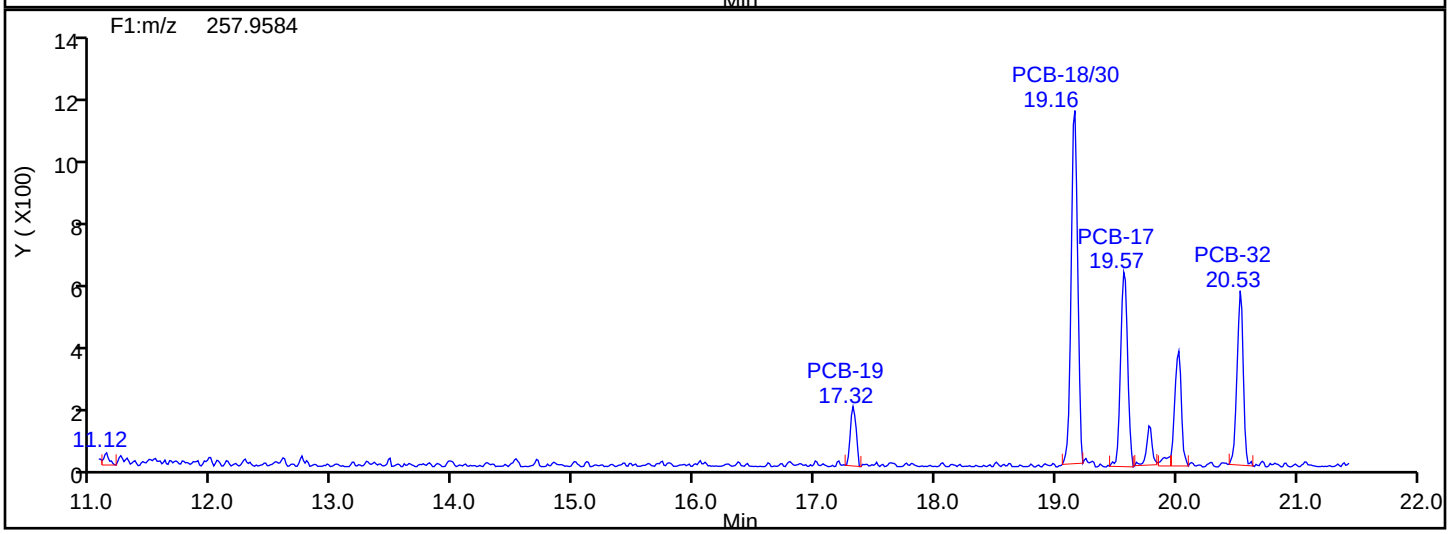


Eurofins TestAmerica, Knoxville

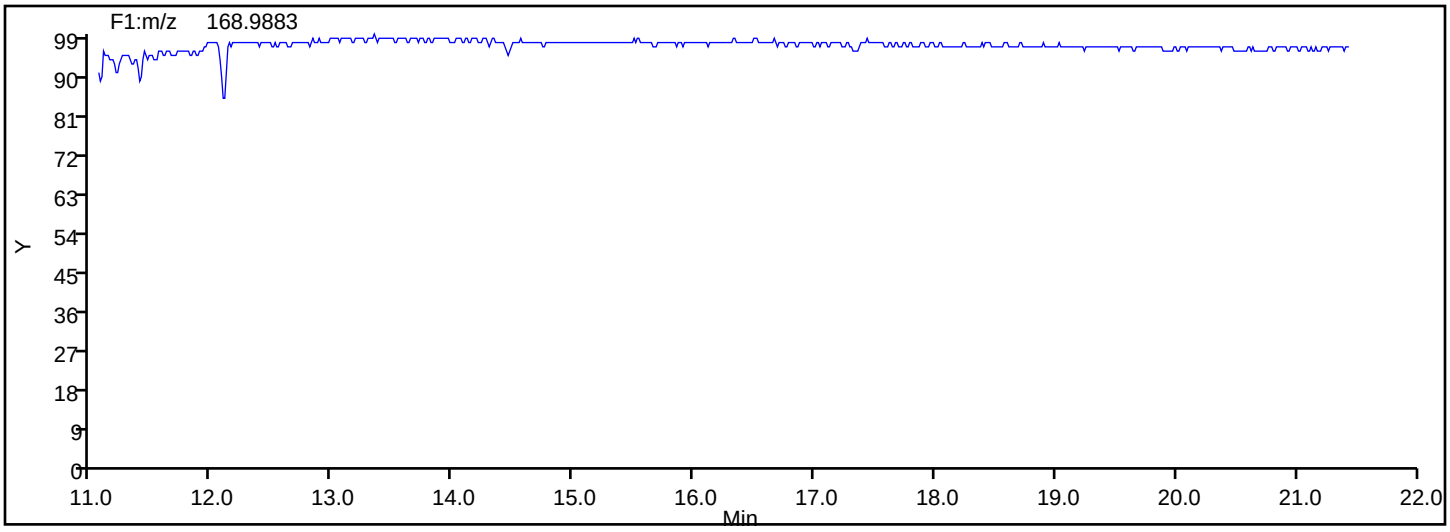
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

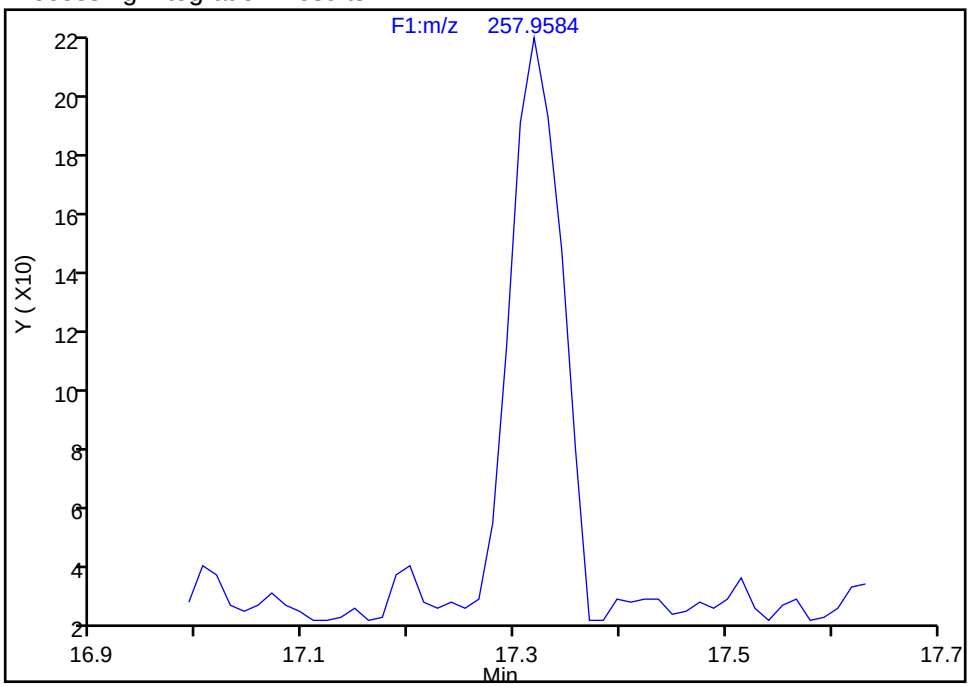
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-19, CAS: 38444-73-4

Signal: 2

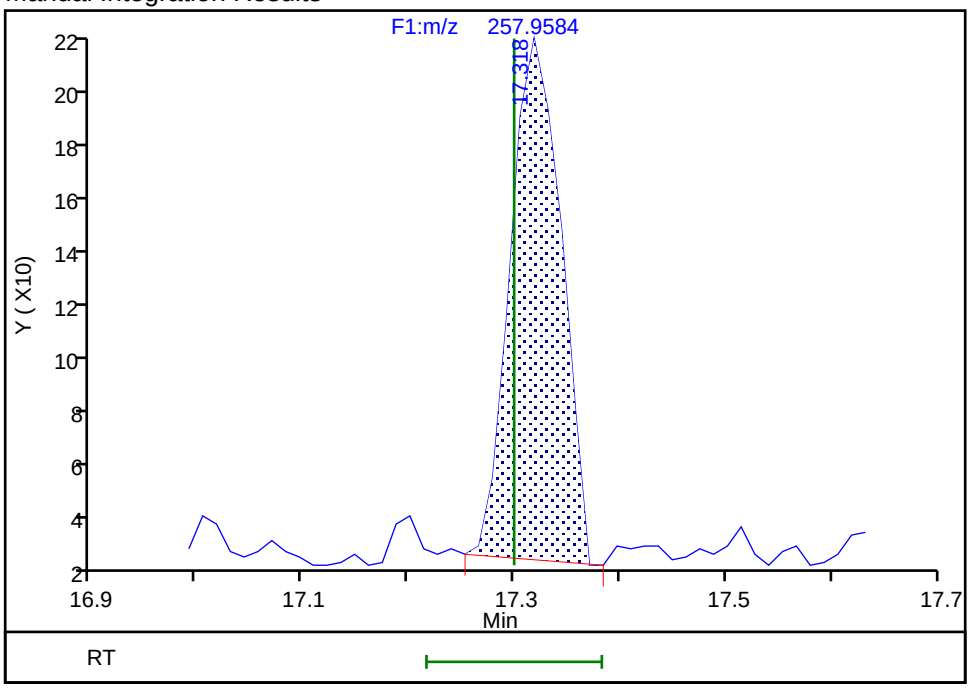
Not Detected
Expected RT: 17.30

Processing Integration Results




Manual Integration Results

RT: 17.32
Area: 636
Amount: 1.440727
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 10:59:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

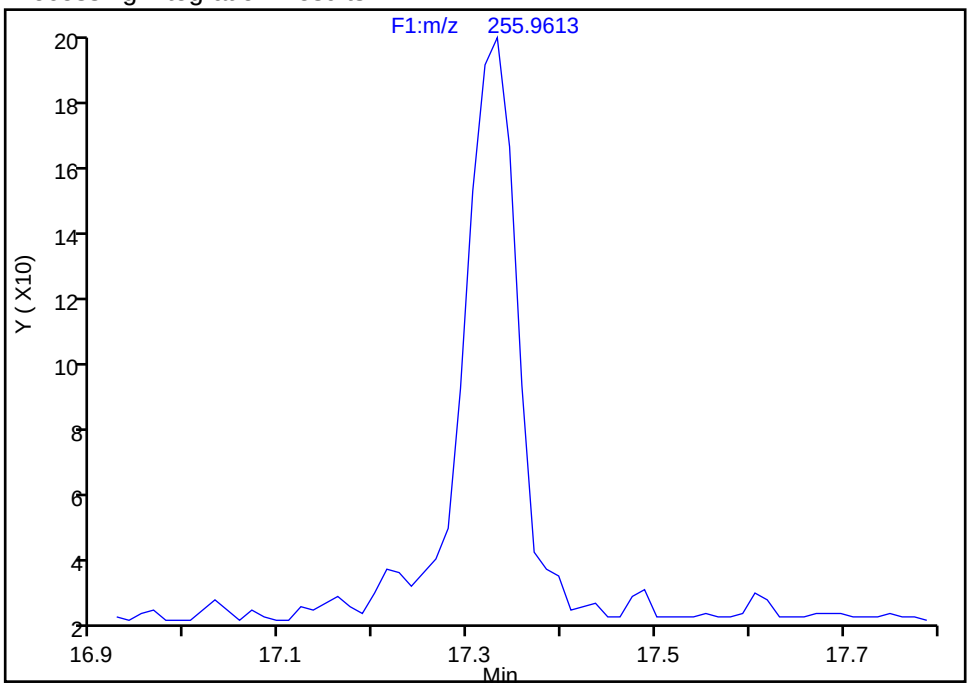
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-19, CAS: 38444-73-4

Signal: 1

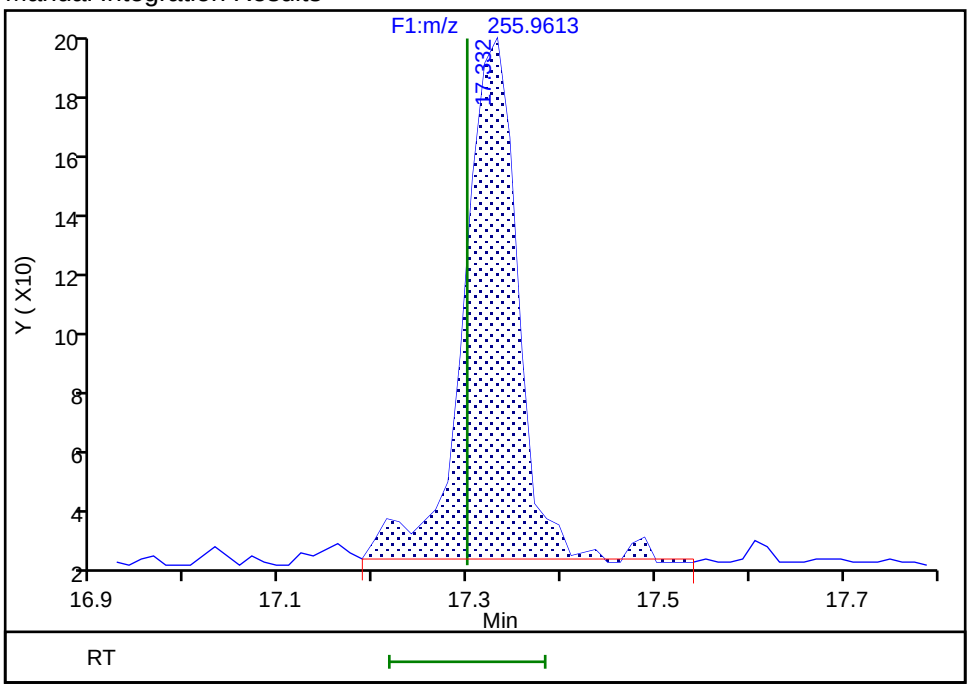
Not Detected
Expected RT: 17.30

Processing Integration Results




Manual Integration Results

RT: 17.33
Area: 682
Amount: 1.440727
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 10:59:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

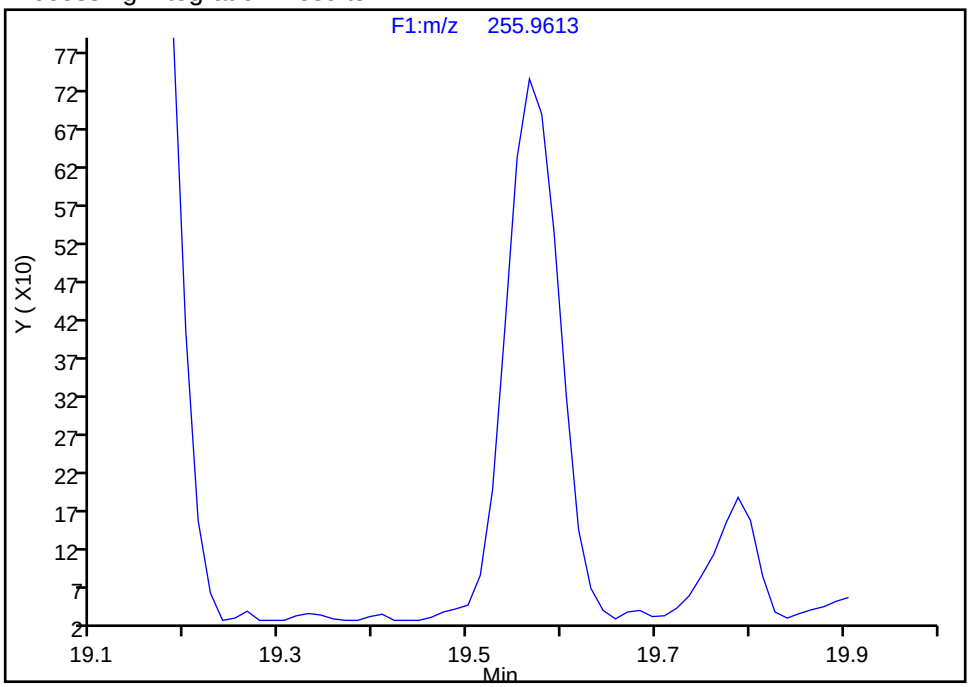
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-17, CAS: 37680-66-3

Signal: 1

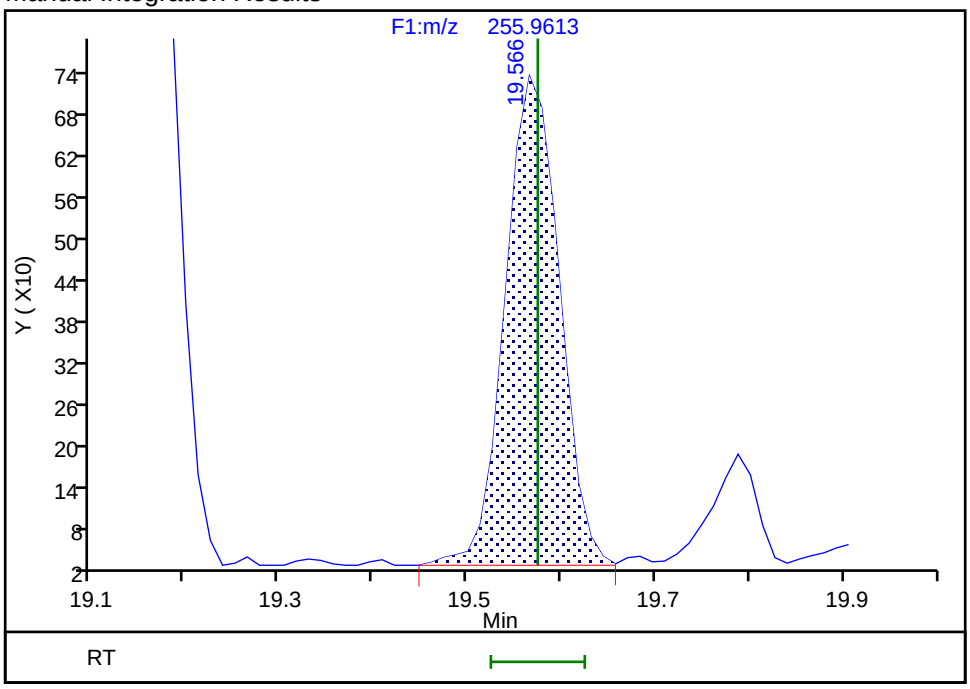
Not Detected
Expected RT: 19.57

Processing Integration Results




Manual Integration Results

RT: 19.57
Area: 2840
Amount: 4.906538
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:00:04
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

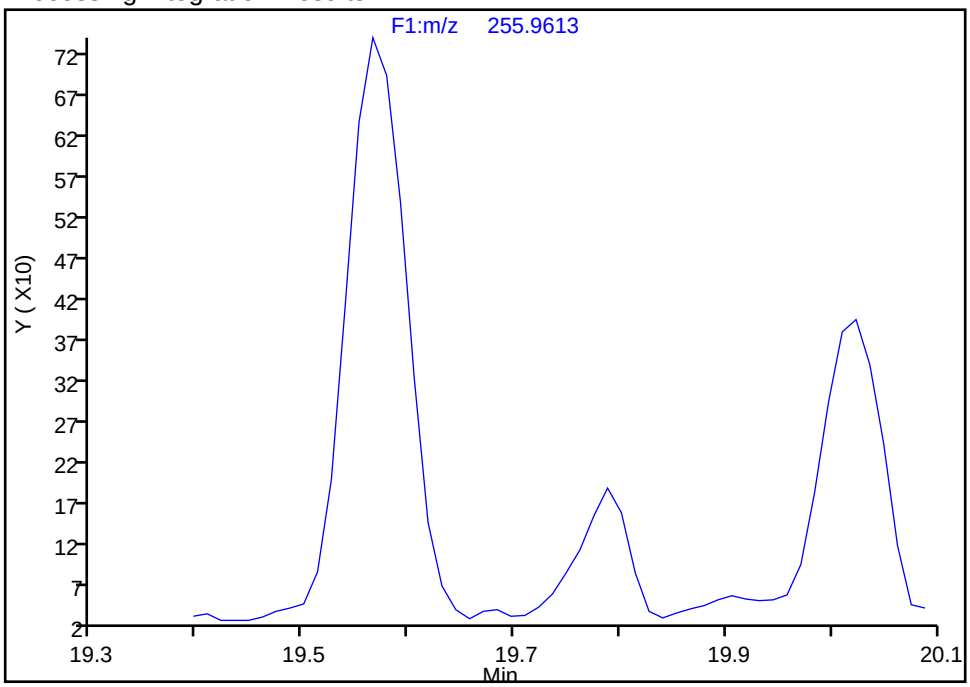
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-27, CAS: 38444-76-7

Signal: 1

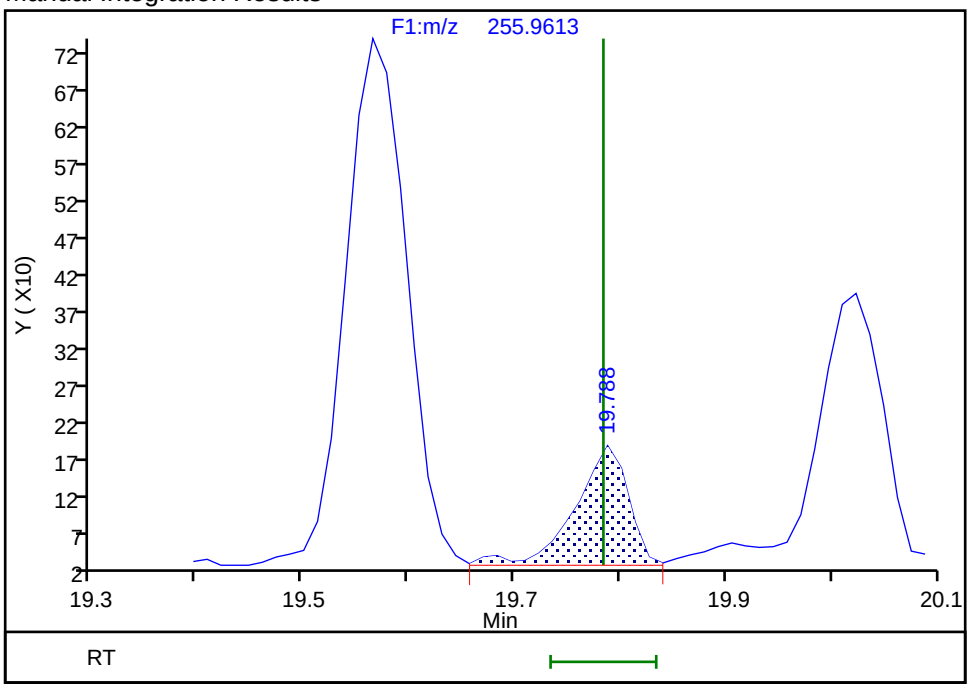
Not Detected
Expected RT: 19.78

Processing Integration Results




Manual Integration Results

RT: 19.79
Area: 562
Amount: 0.637447
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:00:09
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

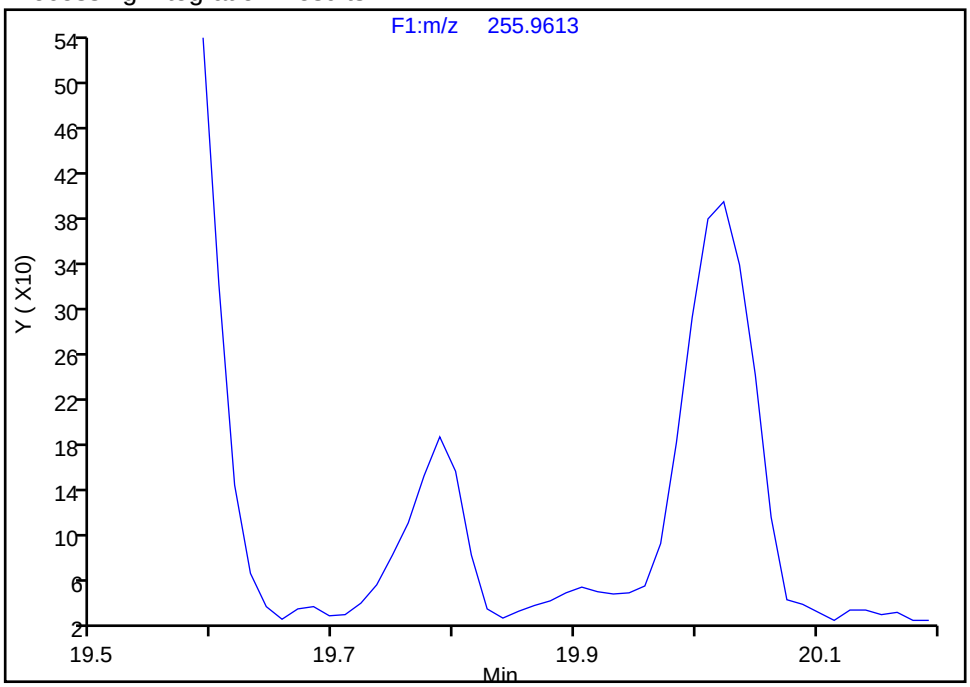
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

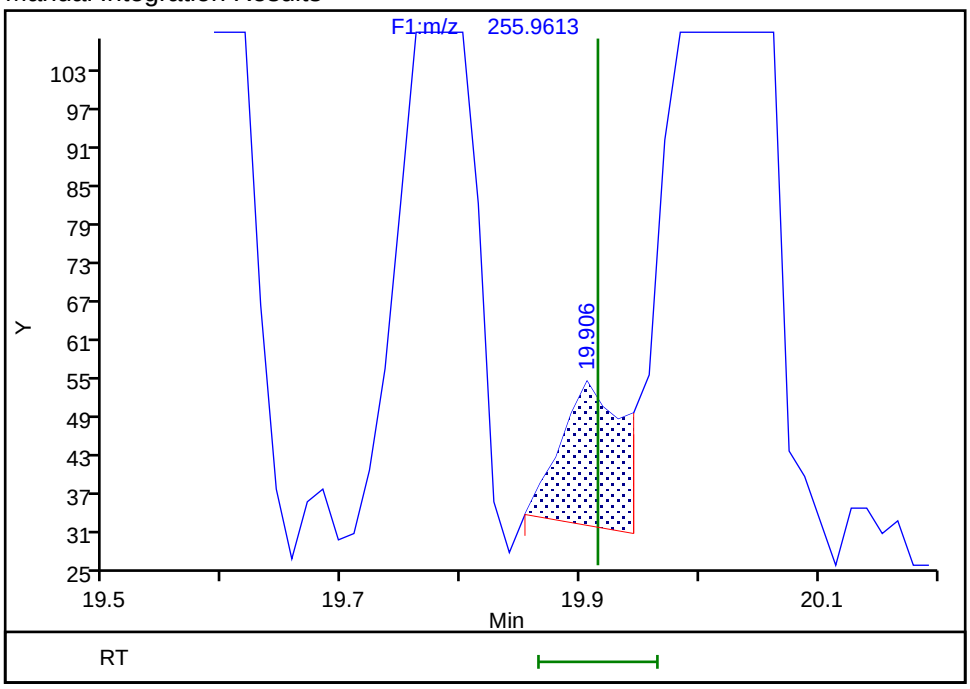
Not Detected
Expected RT: 19.91

Processing Integration Results




Manual Integration Results

RT: 19.91
Area: 79
Amount: 0.151322
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:00:48
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

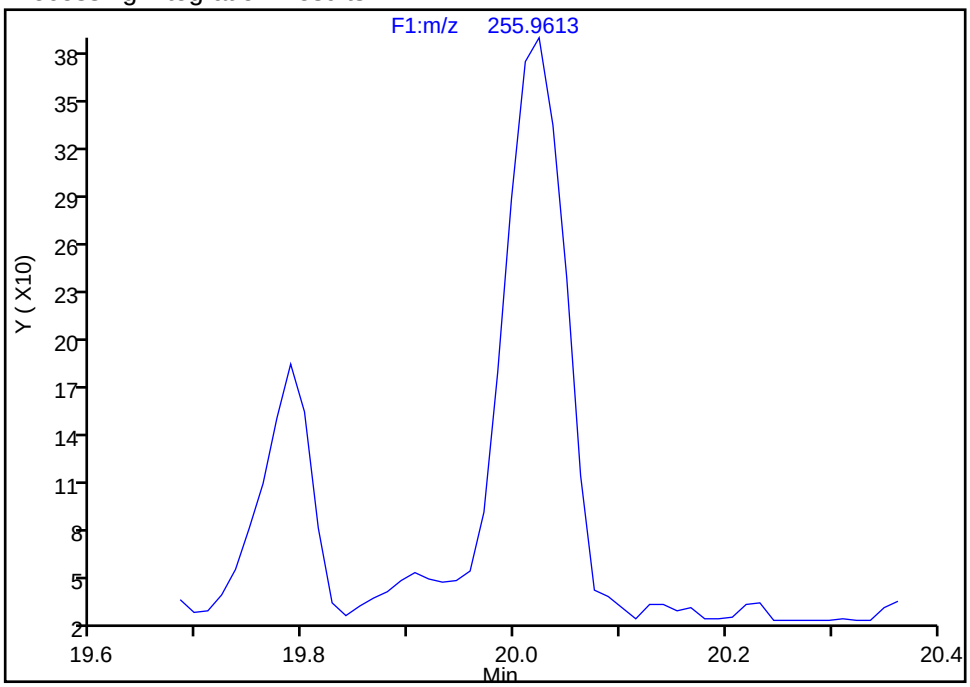
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

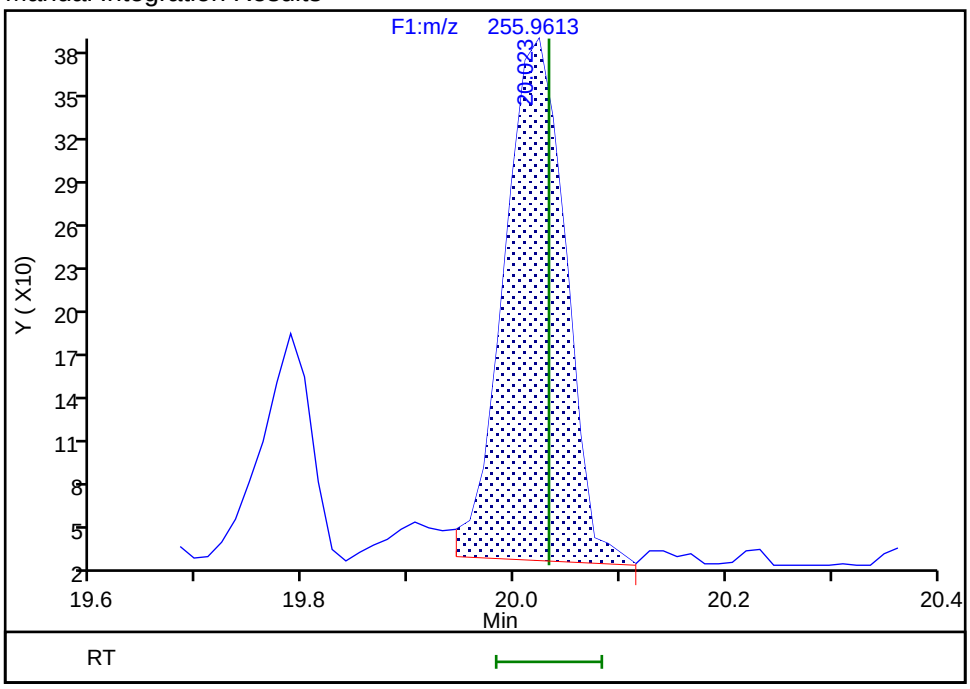
Not Detected
Expected RT: 20.03

Processing Integration Results




Manual Integration Results

RT: 20.02
Area: 1466
Amount: 3.336367
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:00:38
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

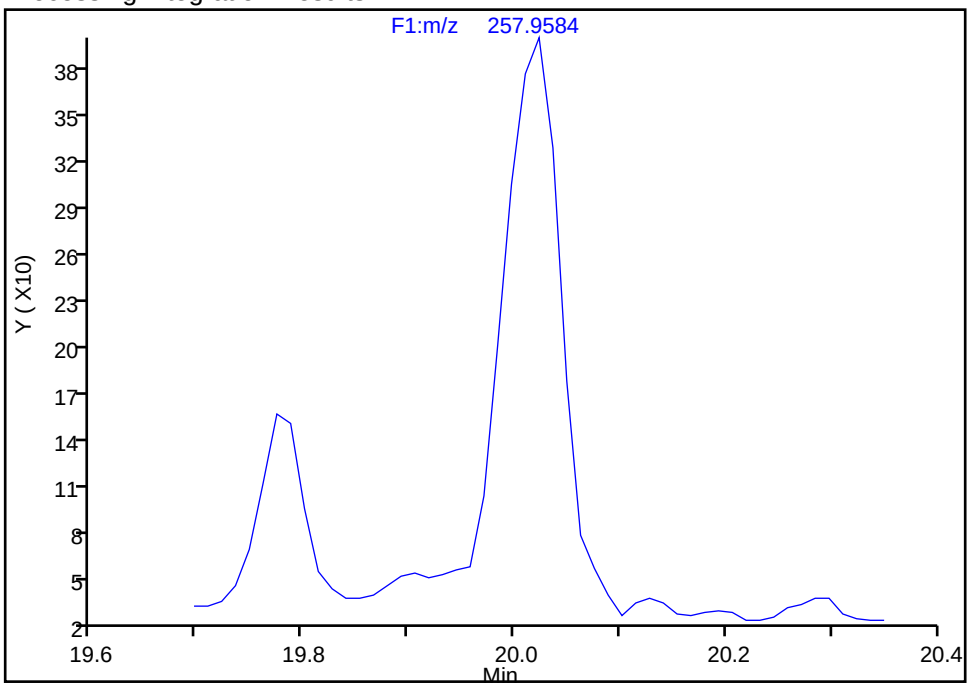
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 2

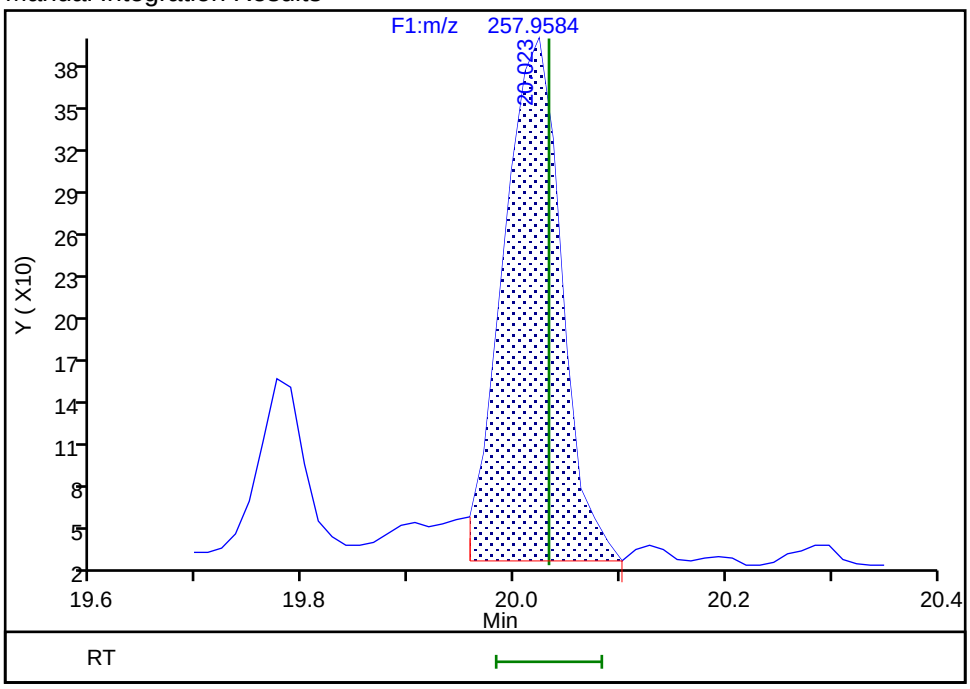
Processing Integration Results

Not Detected
Expected RT: 20.03




Manual Integration Results

RT: 20.02
Area: 1402
Amount: 3.336367
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:00:42
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

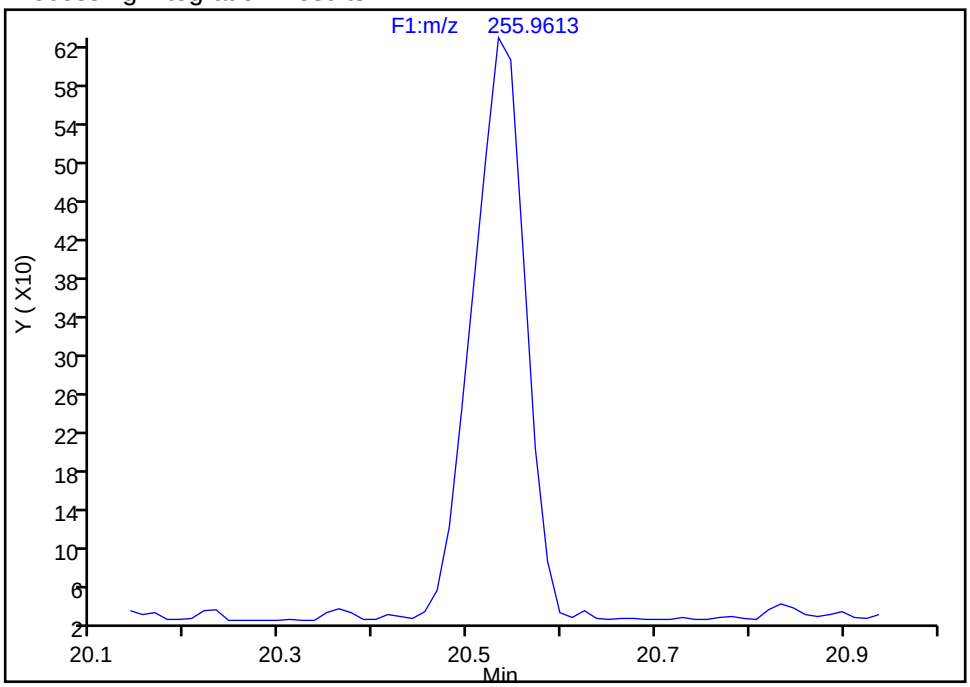
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

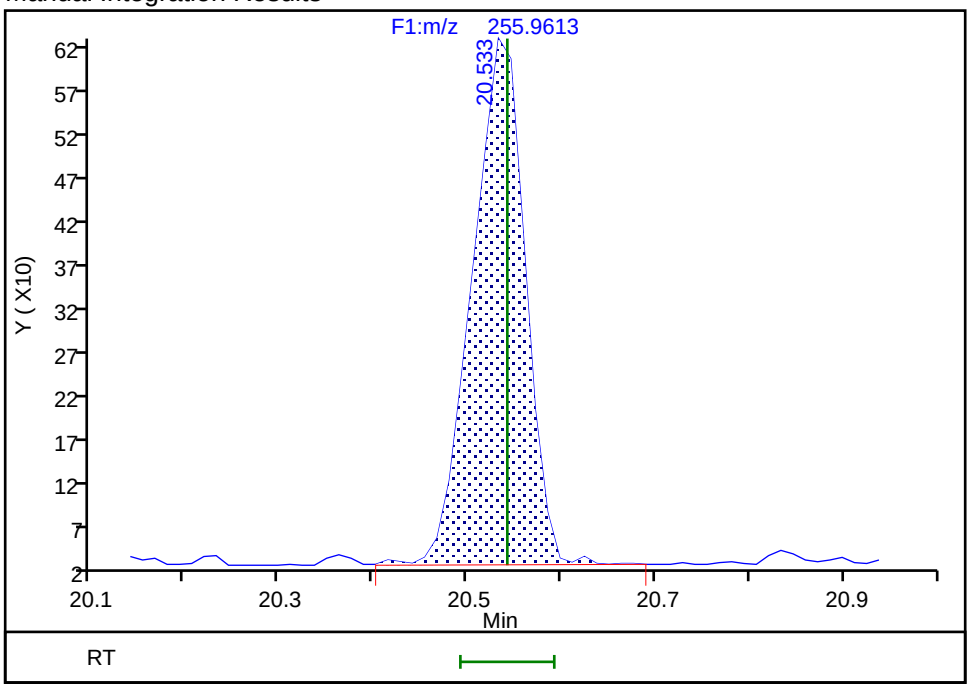
Processing Integration Results

Not Detected
Expected RT: 20.54




Manual Integration Results

RT: 20.53
Area: 2366
Amount: 2.669640
Amount Units: pg/ul

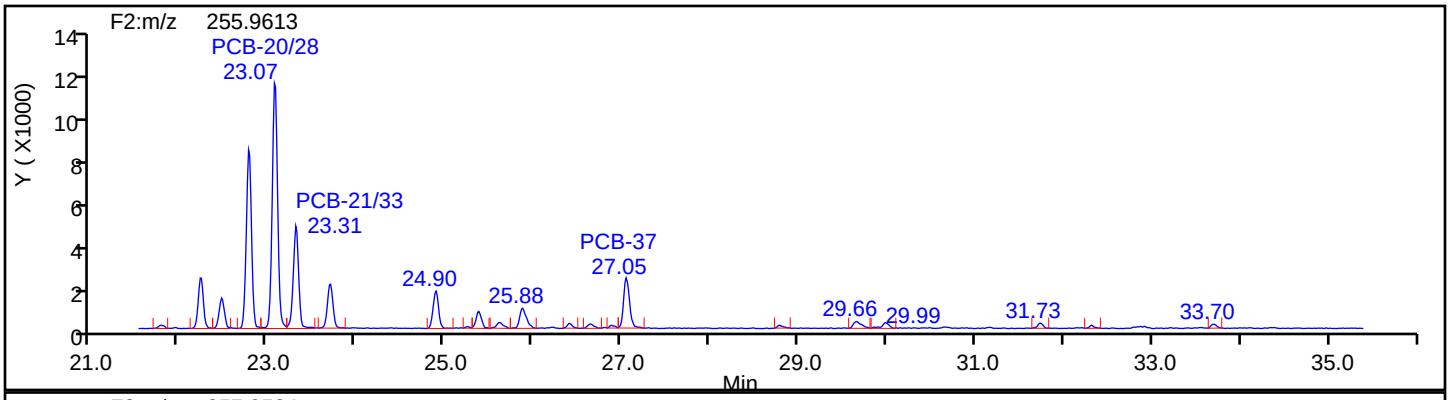


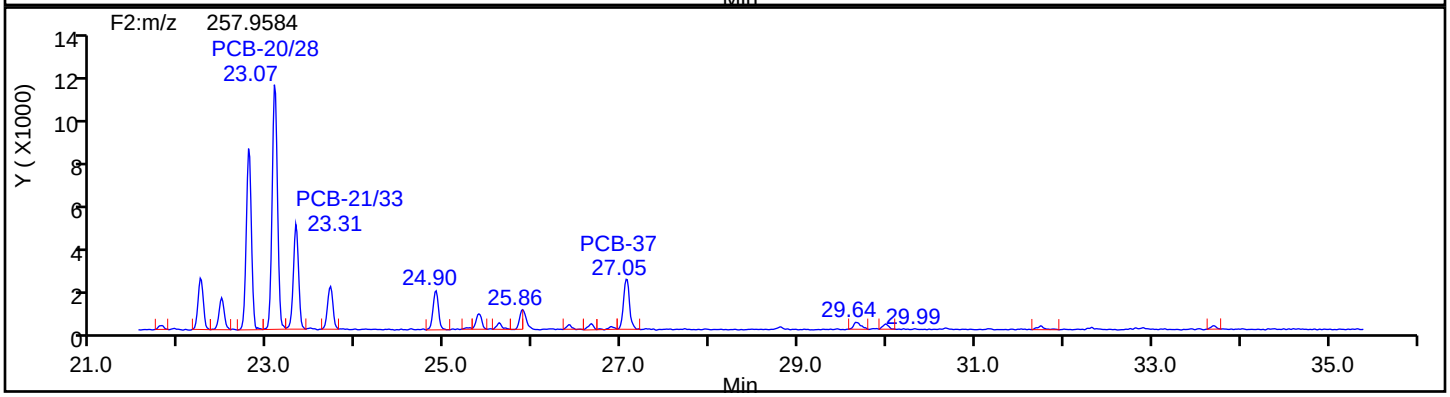

Reviewer: layk, 26-Sep-2019 11:00:56
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

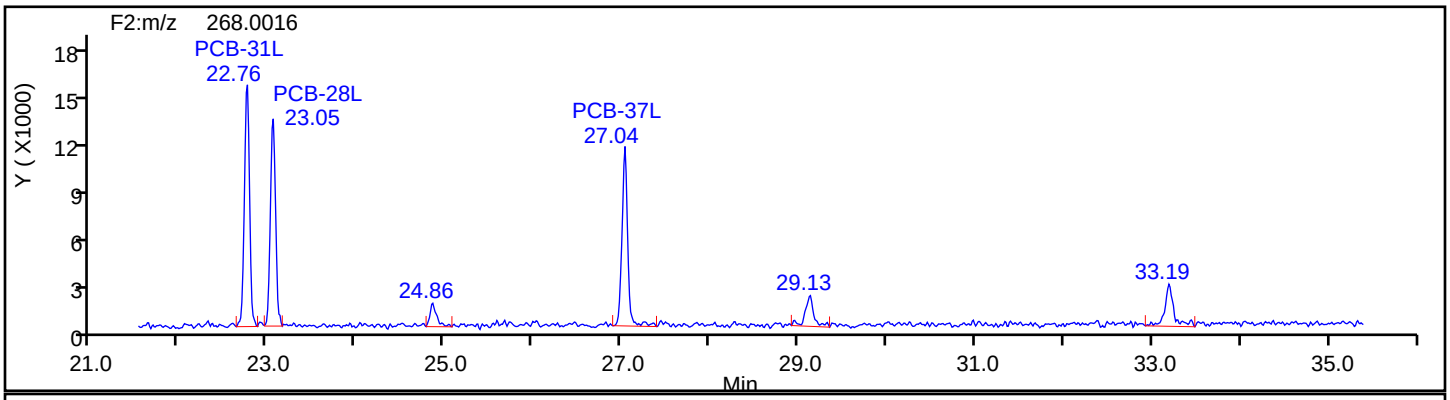
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

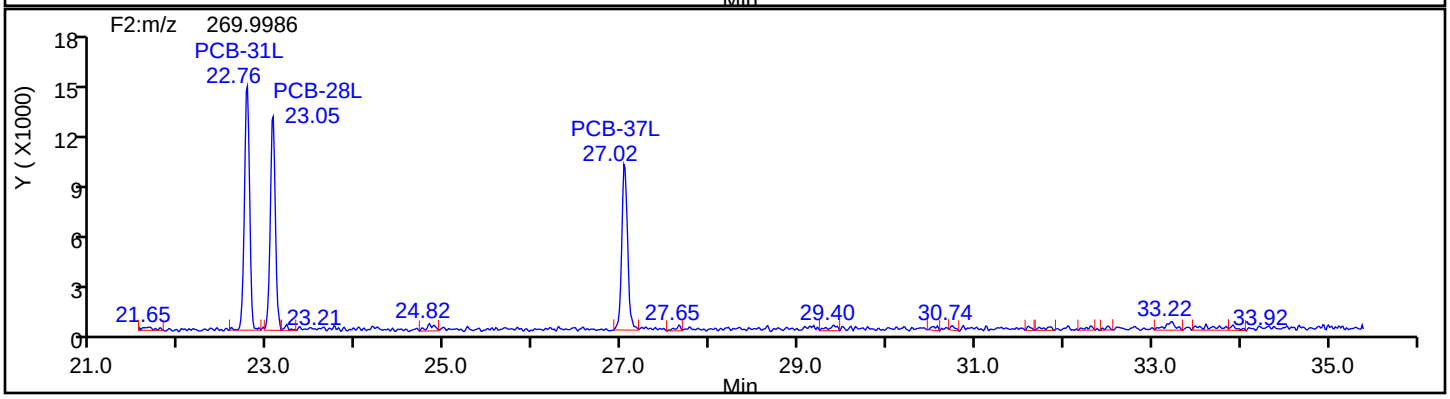
TriPCB F2




TriPCB F2 Standards

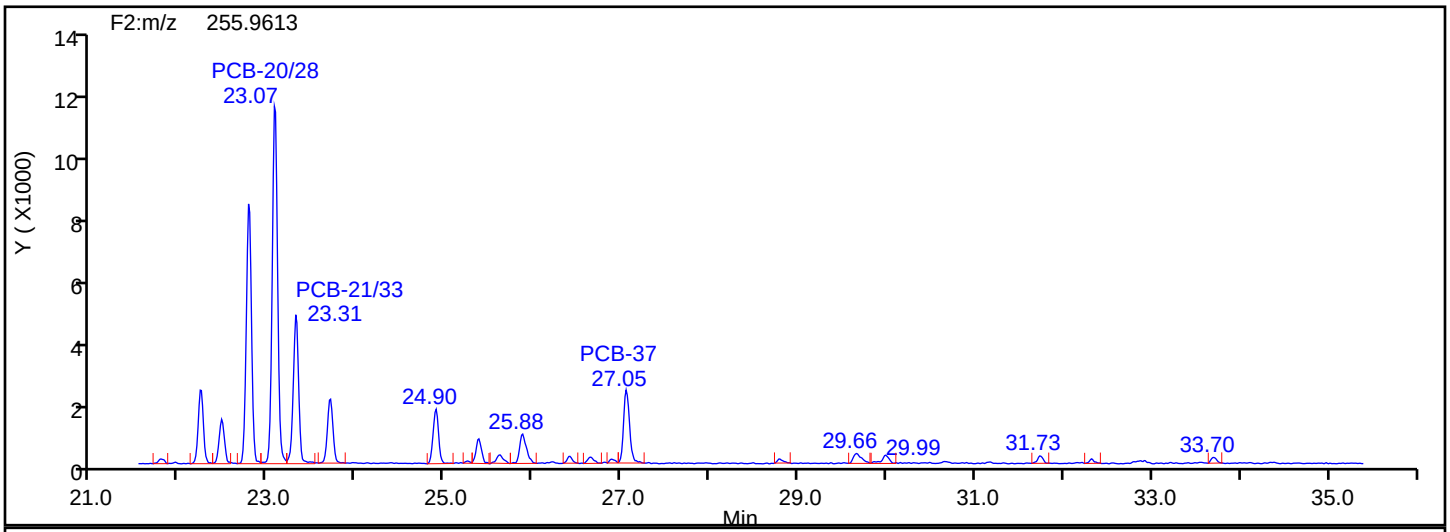


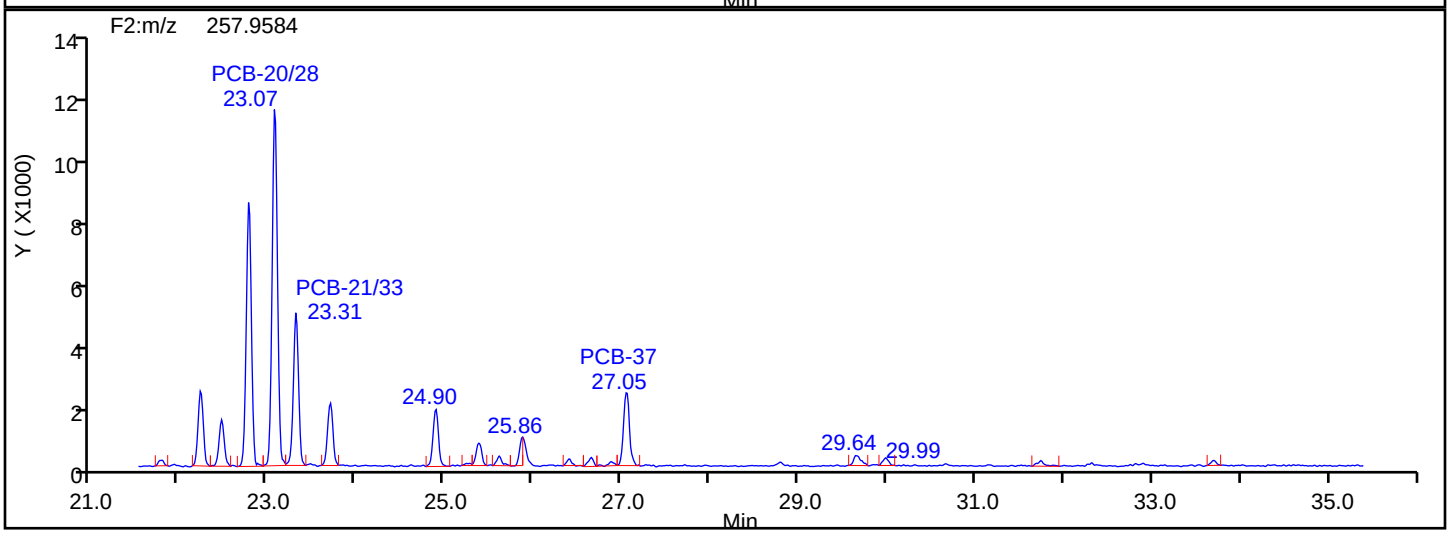



Eurofins TestAmerica, Knoxville

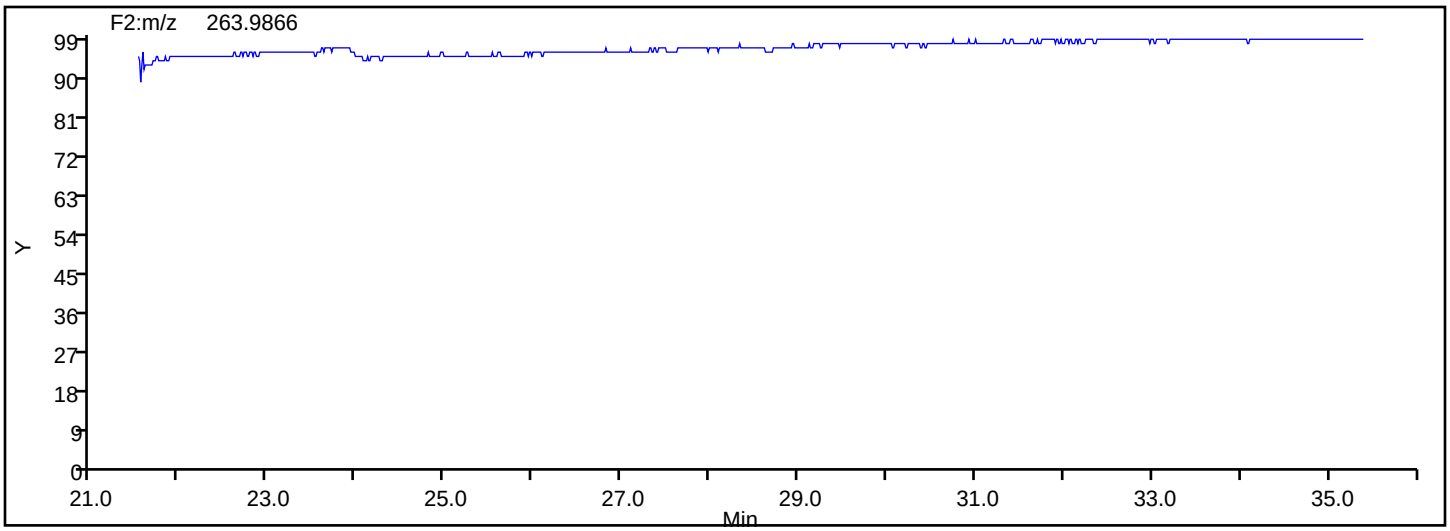
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

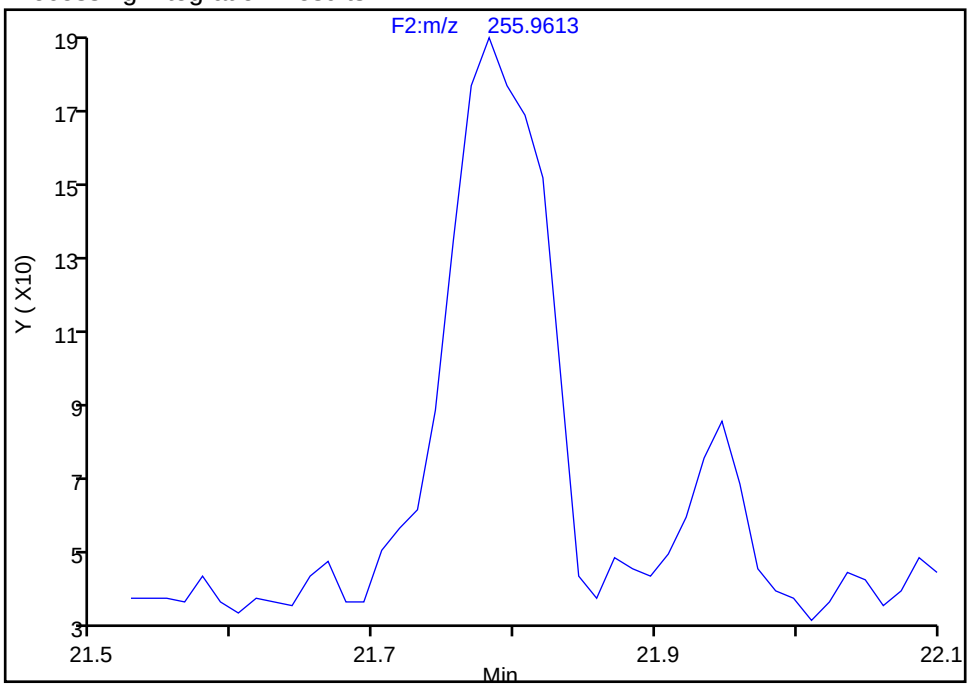
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

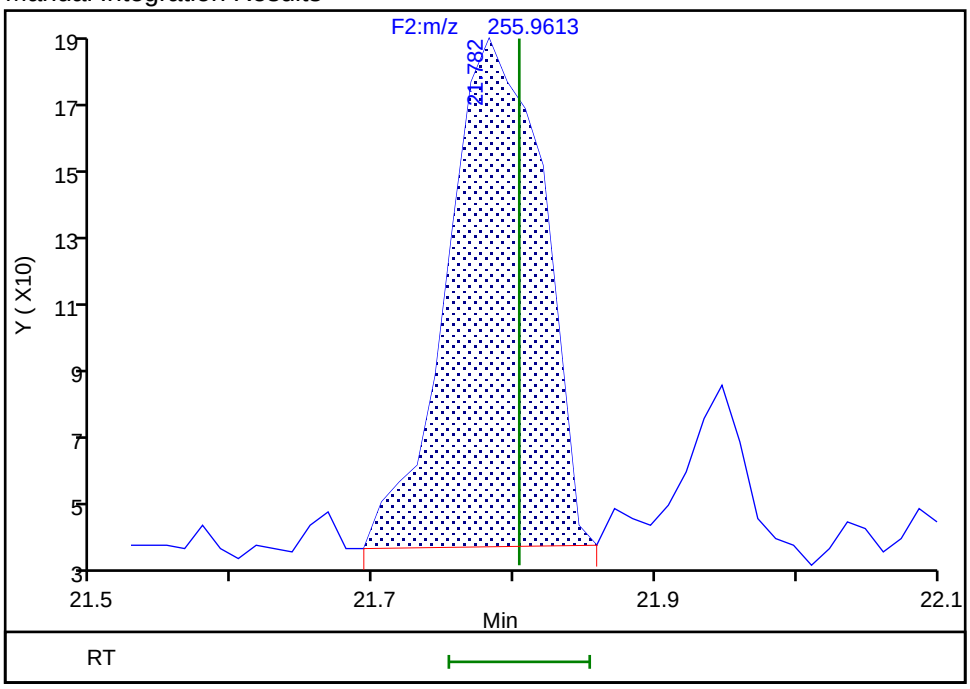
Not Detected
Expected RT: 21.80

Processing Integration Results




Manual Integration Results

RT: 21.78
Area: 725
Amount: 0.253114
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:01:10
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

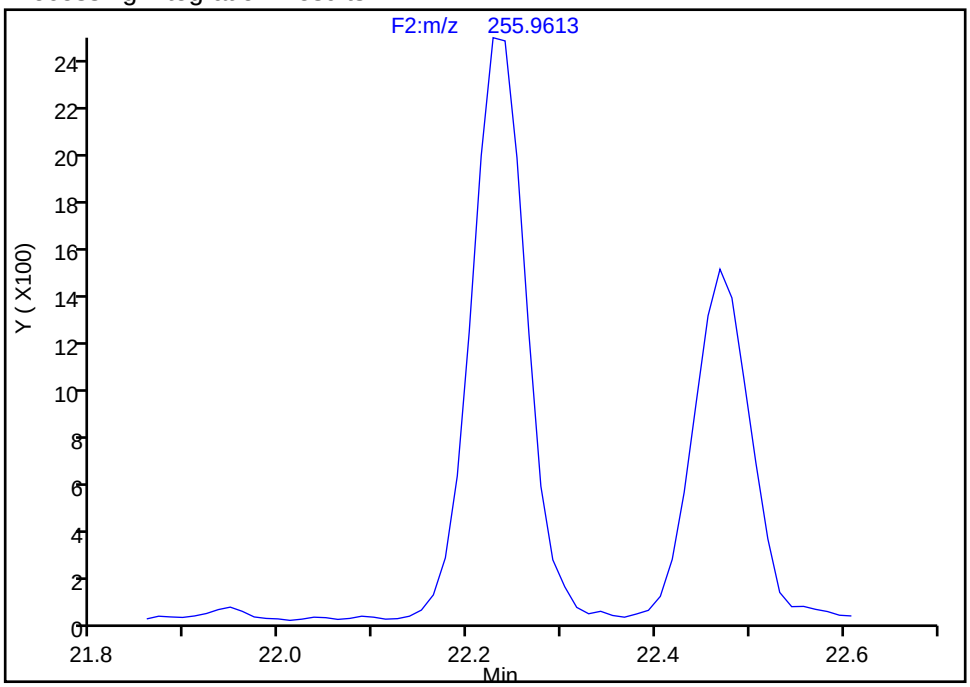
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

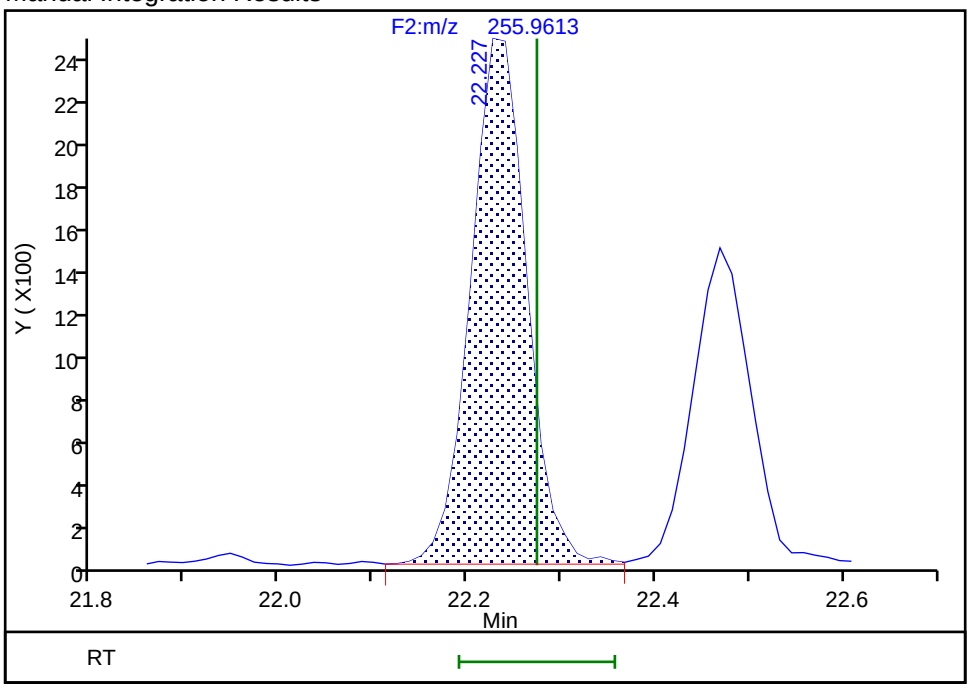
Processing Integration Results

Not Detected
Expected RT: 22.27




Manual Integration Results

RT: 22.23
Area: 9807
Amount: 3.074383
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:01:43
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

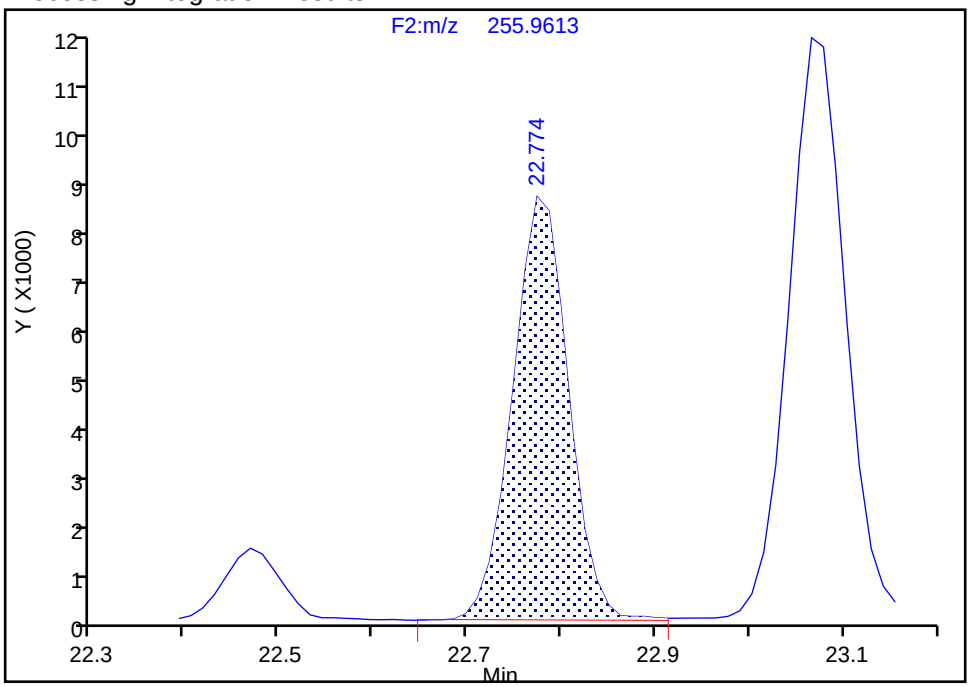
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-31, CAS: 16606-02-3

Signal: 1

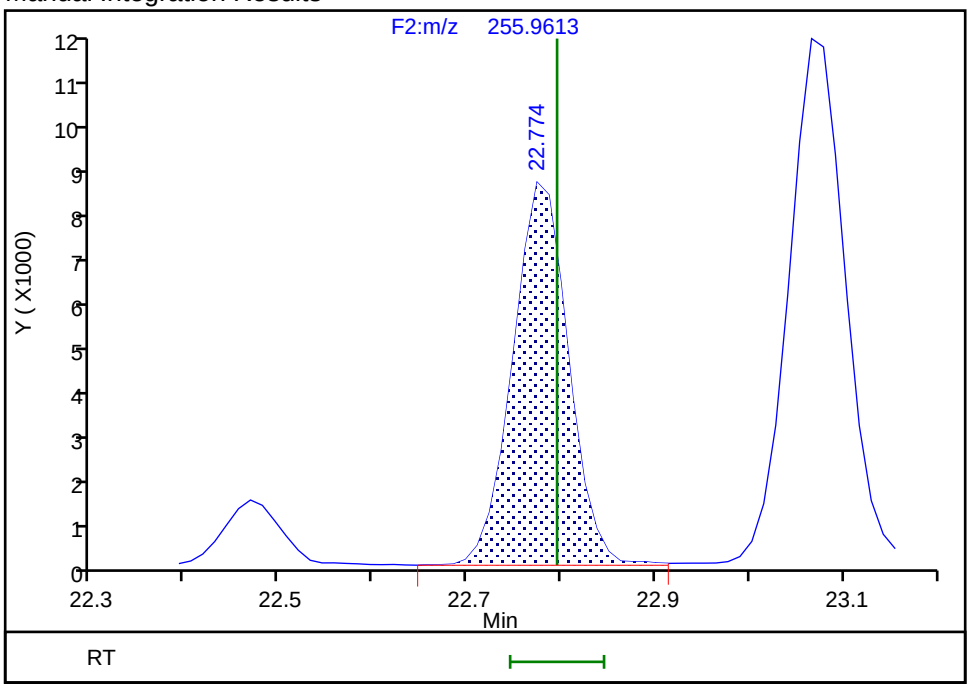
Processing Integration Results

RT: 22.77
Area: 34419
Amount: 10.203678
Amount Units: pg/ul




Manual Integration Results

RT: 22.77
Area: 34571
Amount: 10.276215
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:02:06

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

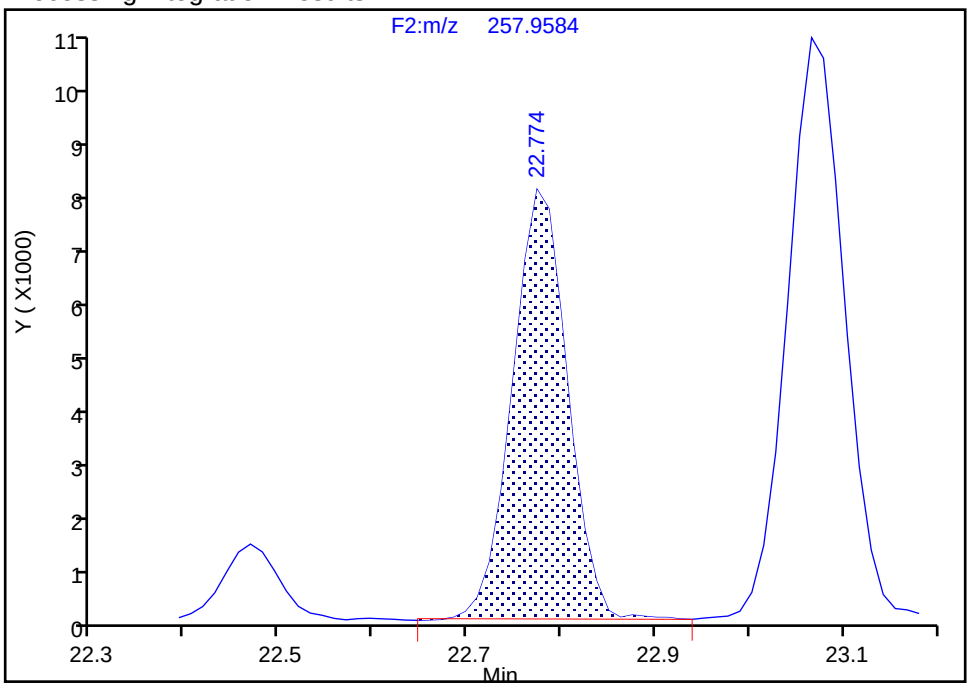
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-31, CAS: 16606-02-3

Signal: 2

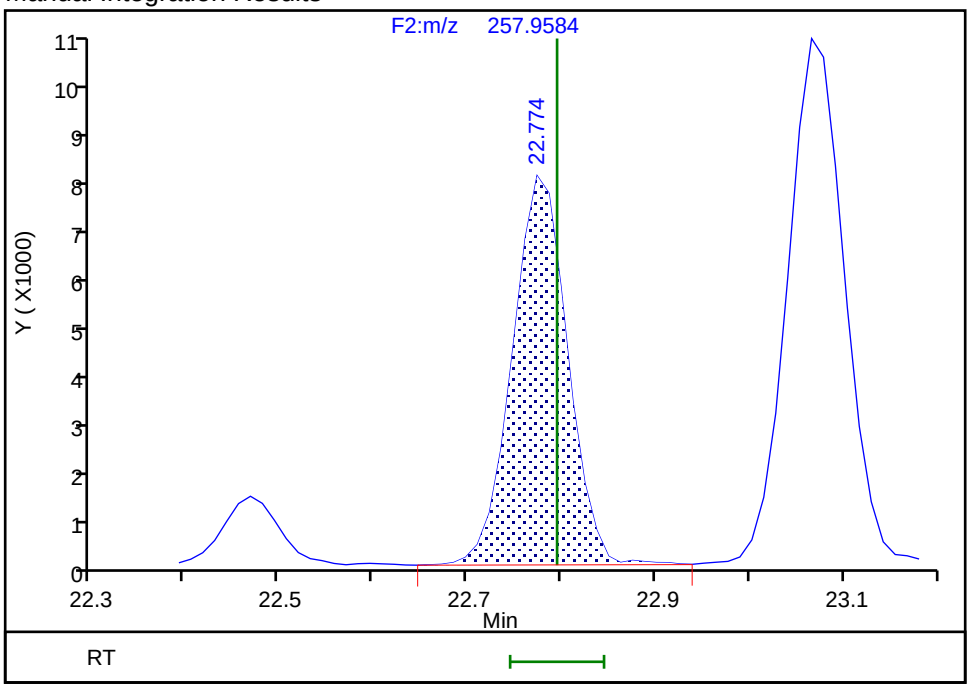
Processing Integration Results

RT: 22.77
Area: 32680
Amount: 10.203678
Amount Units: pg/ul




Manual Integration Results

RT: 22.77
Area: 33005
Amount: 10.276215
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:02:22

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

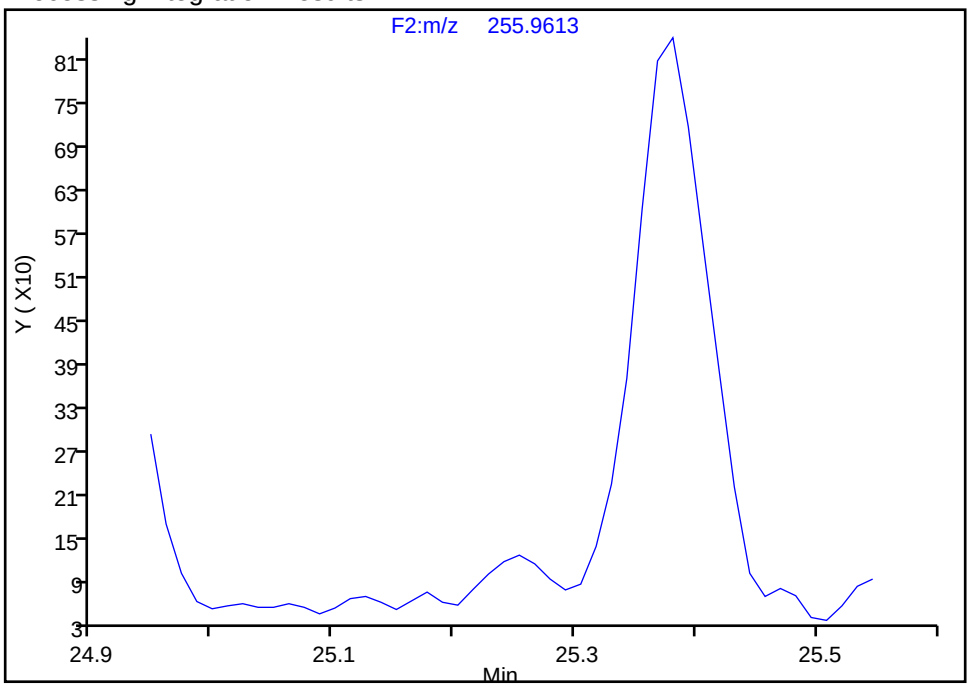
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

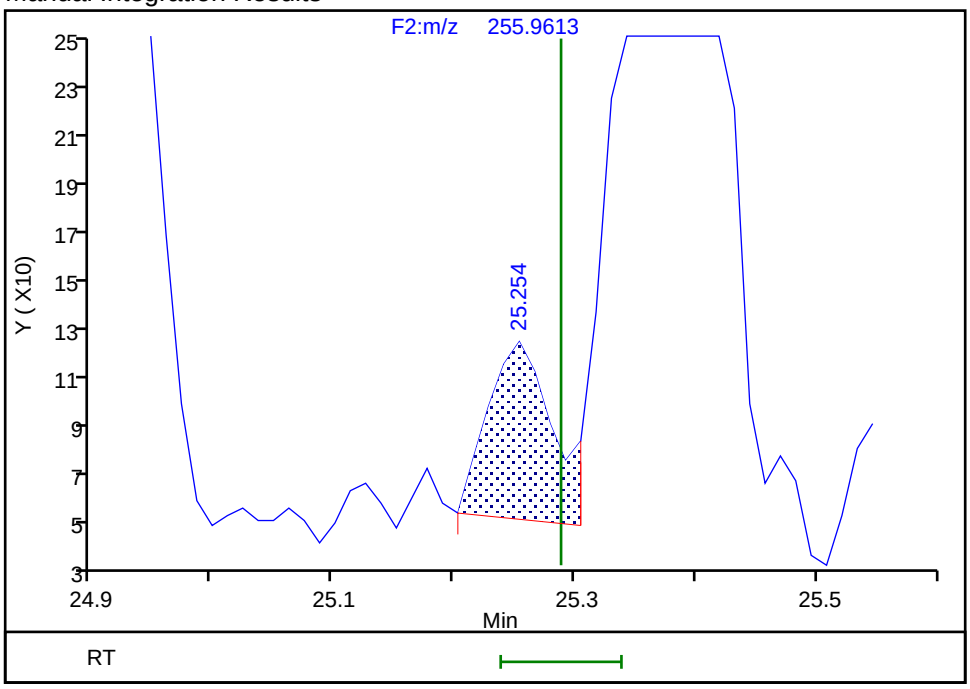
Not Detected
Expected RT: 25.29

Processing Integration Results




Manual Integration Results

RT: 25.25
Area: 261
Amount: 0.092457
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:03:16
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

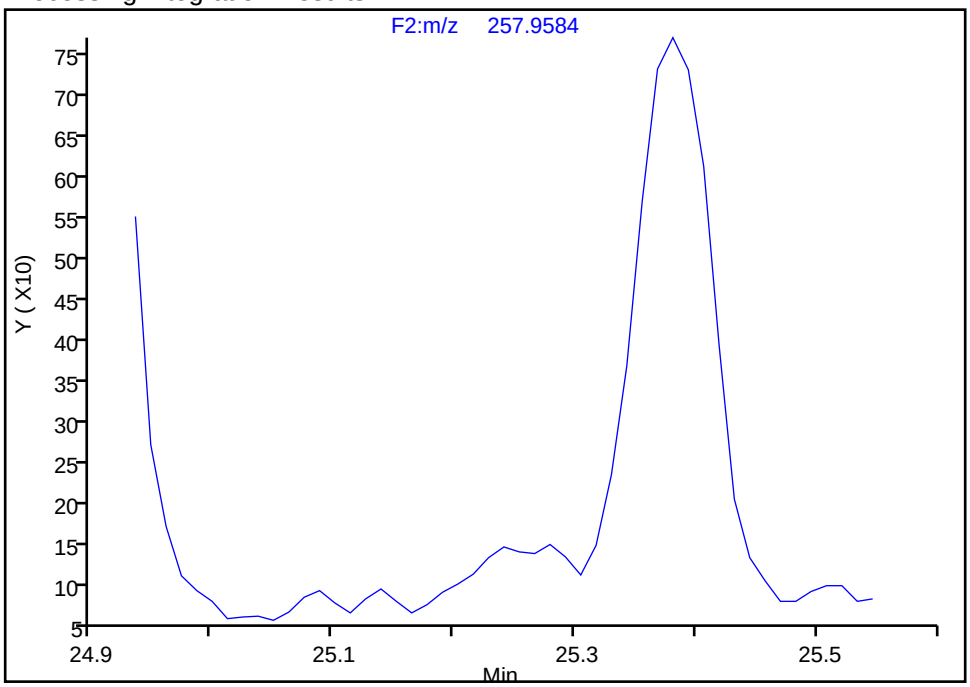
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

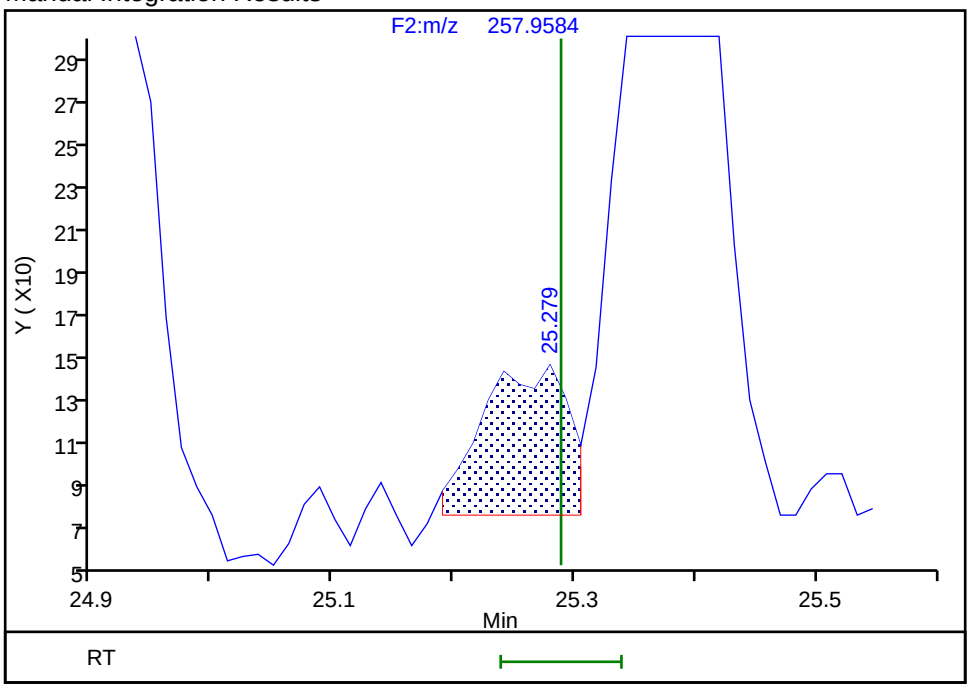
Processing Integration Results

Not Detected
Expected RT: 25.29




Manual Integration Results

RT: 25.28
Area: 332
Amount: 0.092457
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:03:19
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

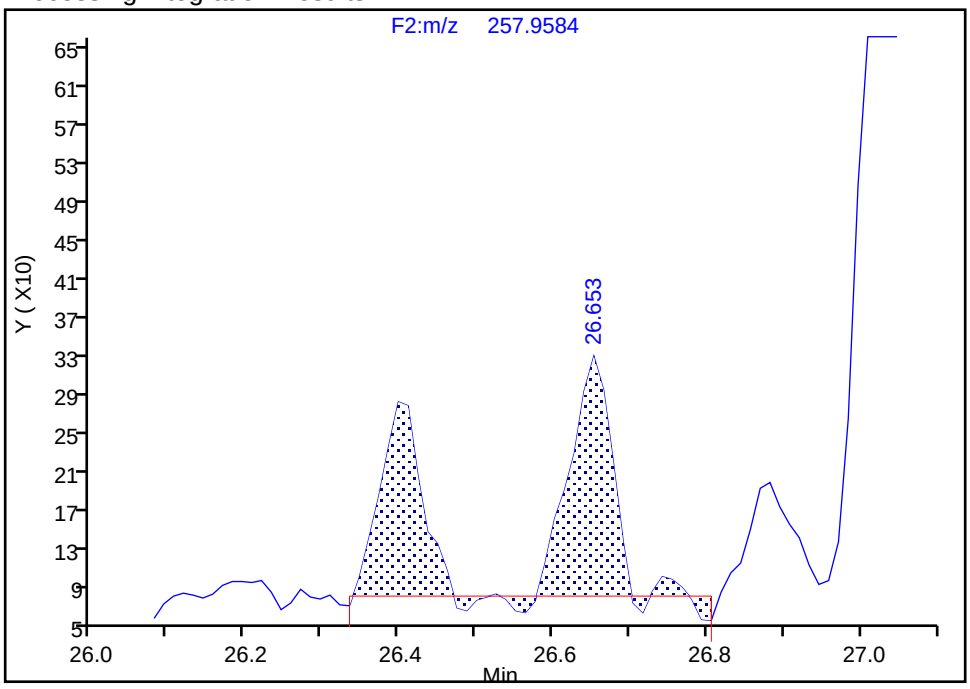
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 2

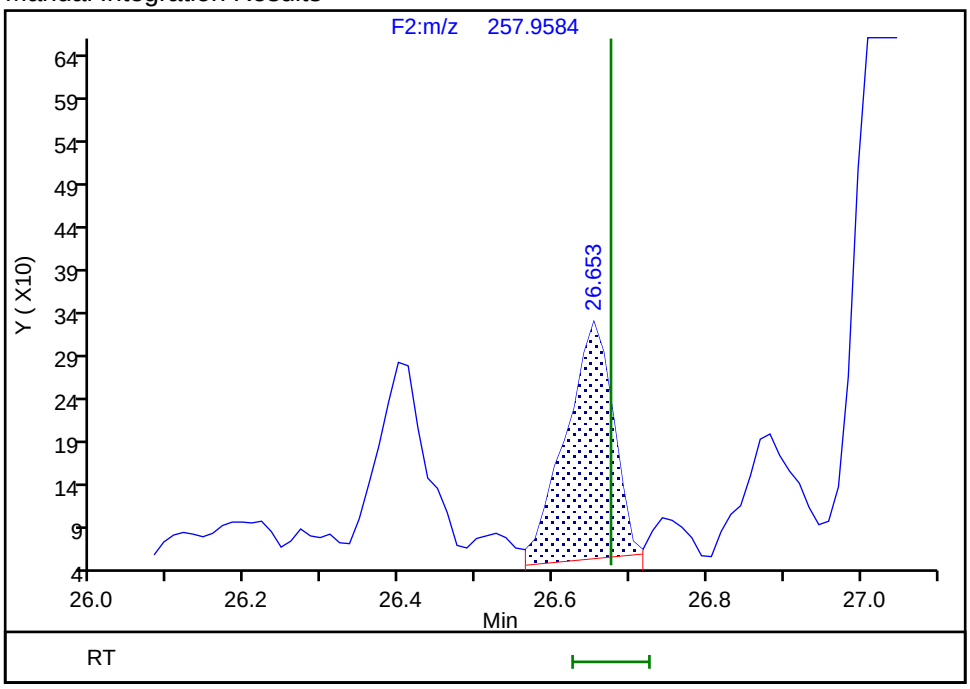
Processing Integration Results

RT: 26.65
Area: 1640
Amount: 0.457385
Amount Units: pg/ul




Manual Integration Results

RT: 26.65
Area: 1181
Amount: 0.378163
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:03:50

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

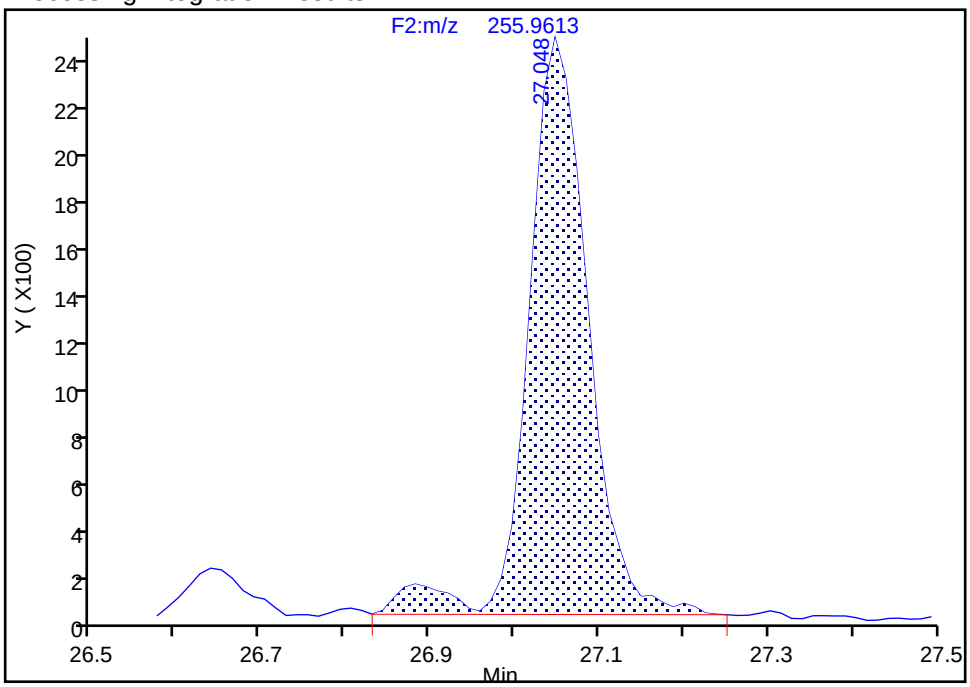
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-37, CAS: 38444-90-5

Signal: 1

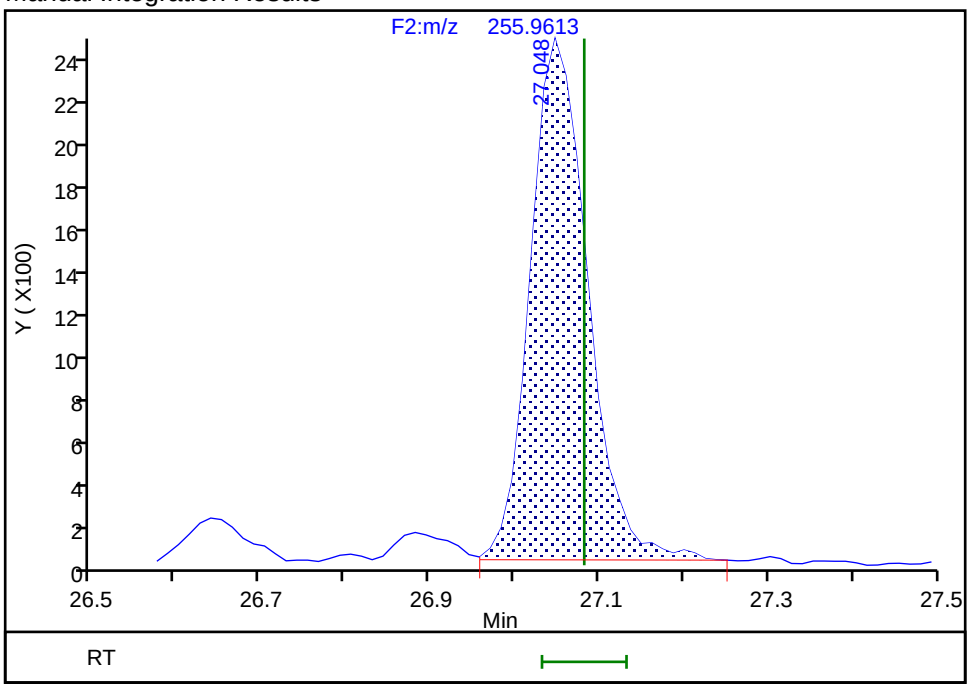
Processing Integration Results

RT: 27.05
Area: 11650
Amount: 3.619920
Amount Units: pg/ul




Manual Integration Results

RT: 27.05
Area: 11108
Amount: 3.531550
Amount Units: pg/ul



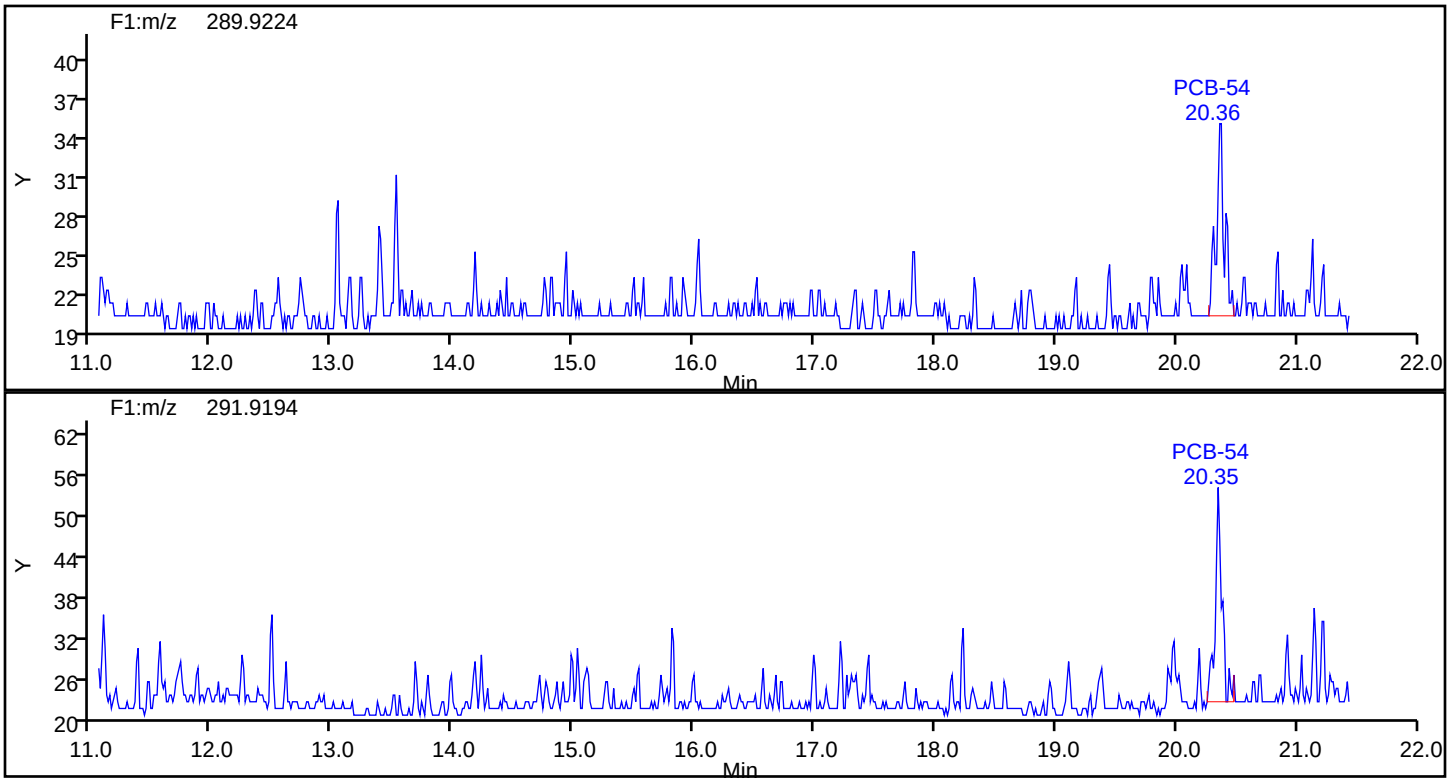

Reviewer: layk, 26-Sep-2019 11:04:05

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

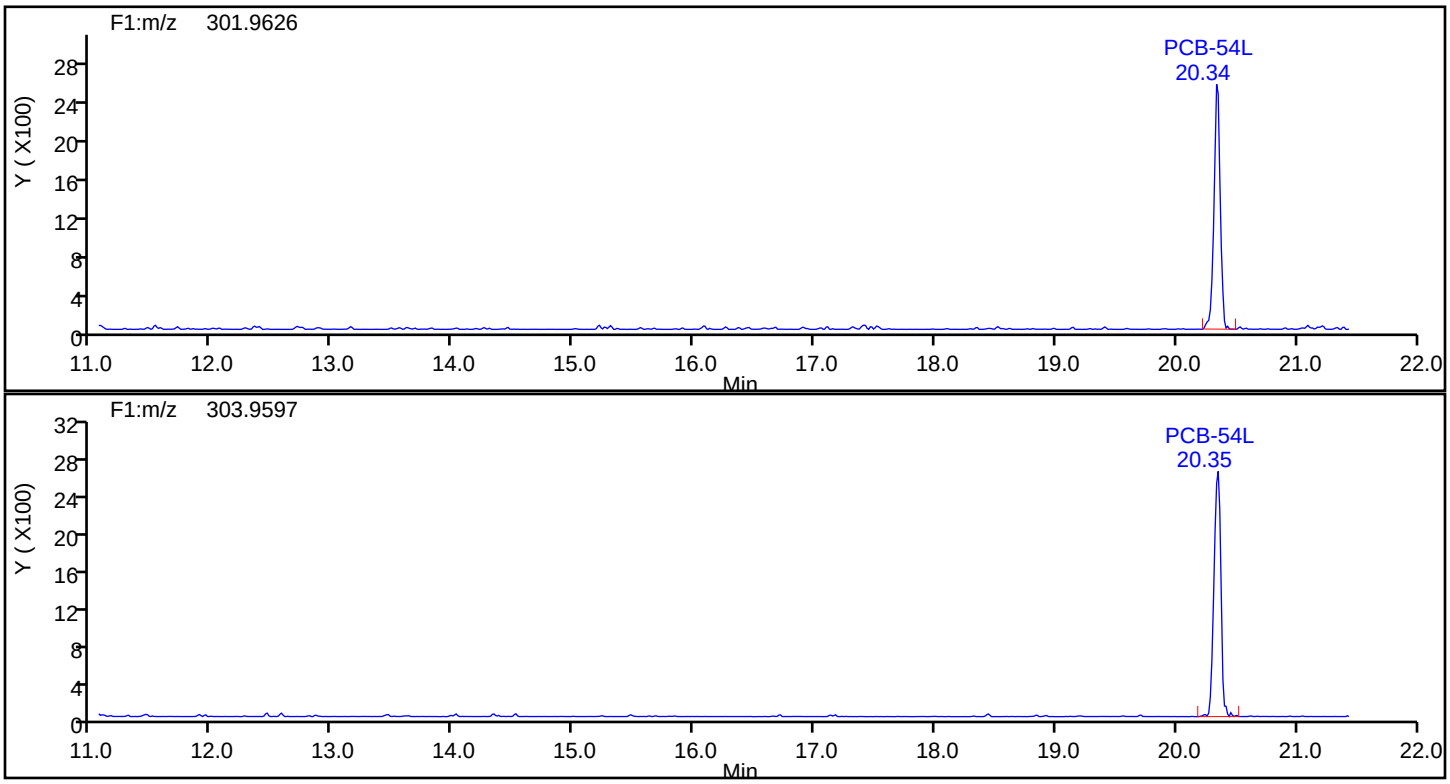
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



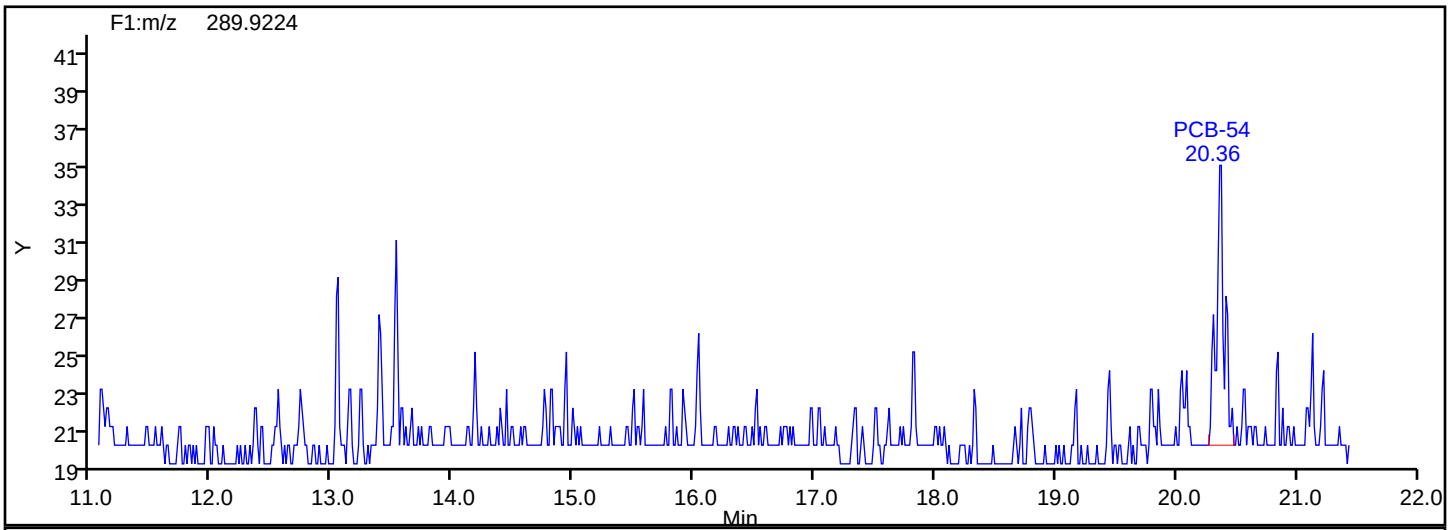

TePCB F1 Standards

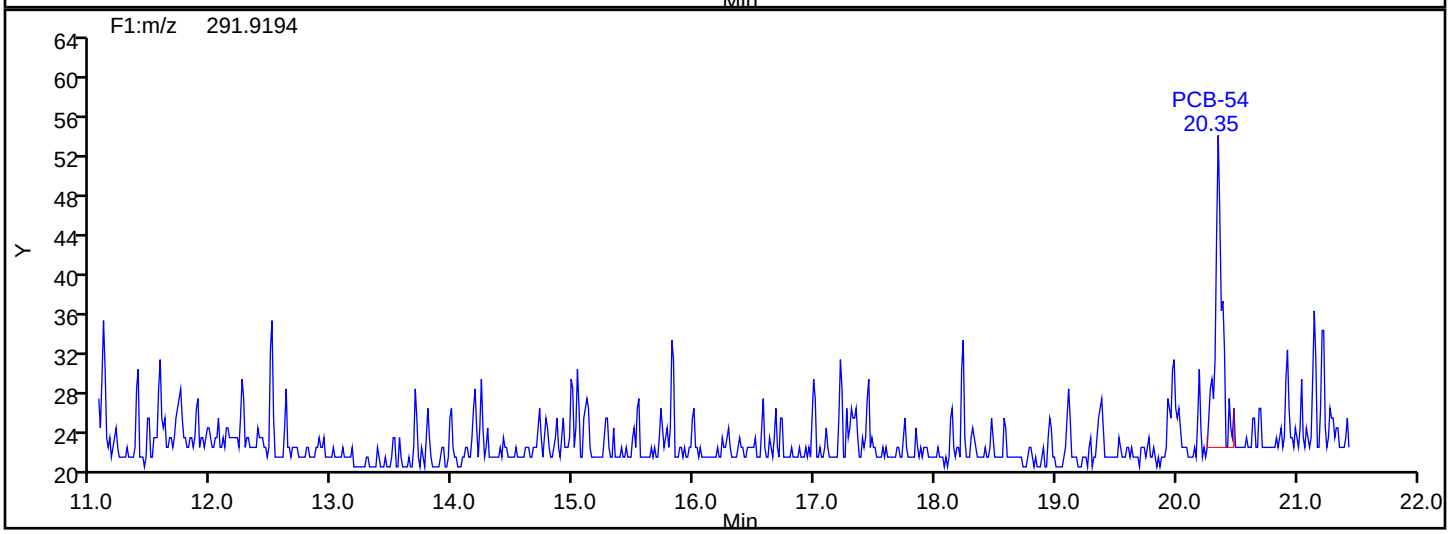


Eurofins TestAmerica, Knoxville

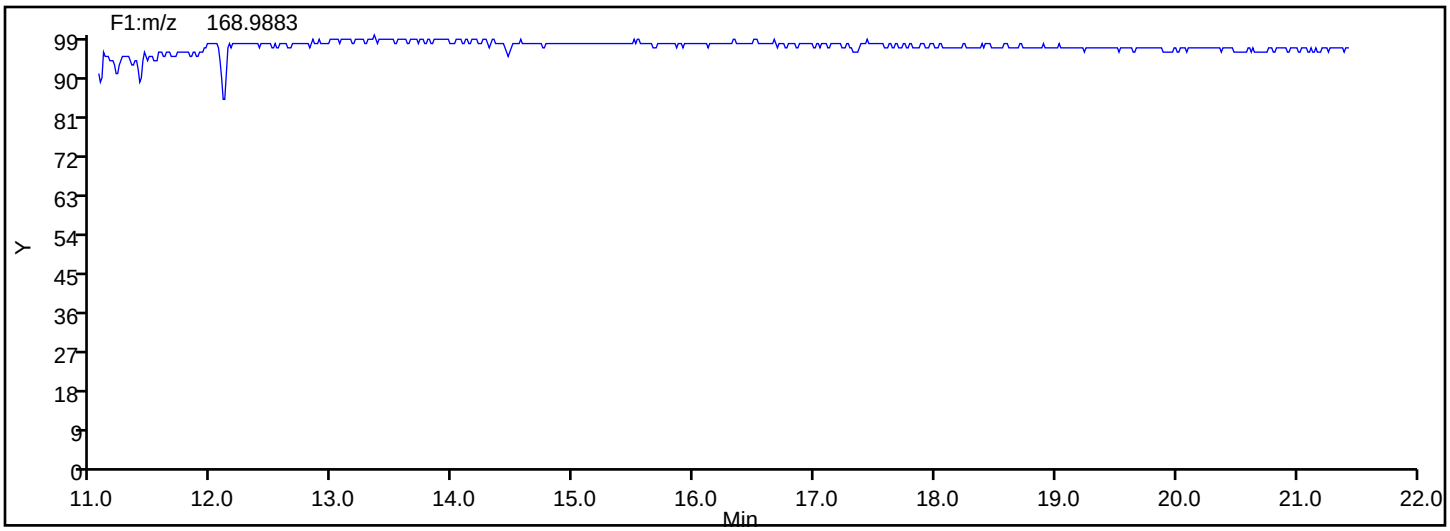
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

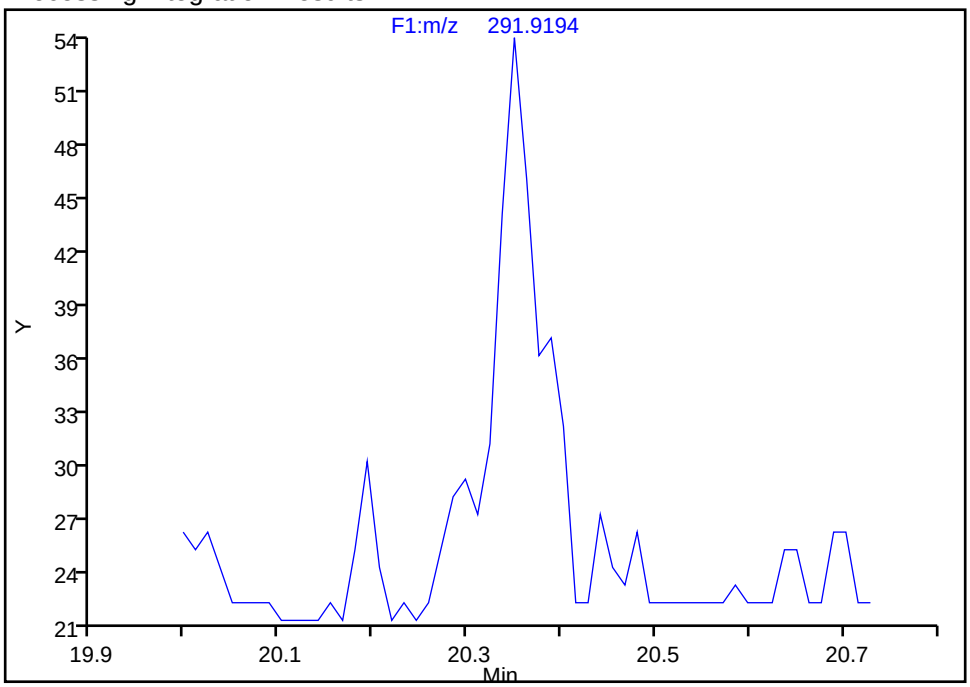
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-54, CAS: 15968-05-5

Signal: 2

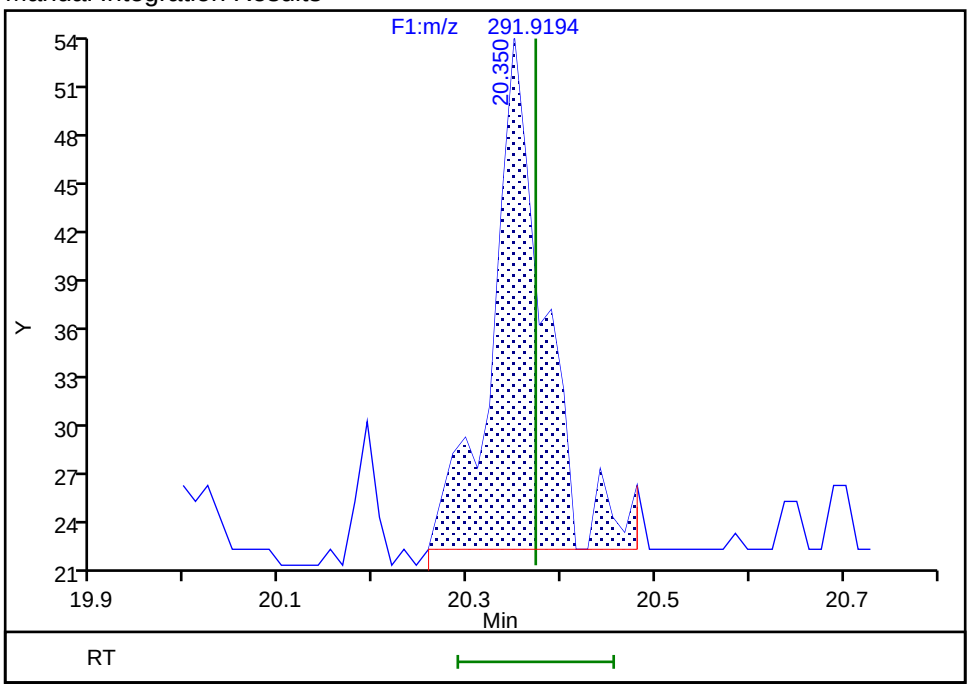
Not Detected
Expected RT: 20.37

Processing Integration Results




Manual Integration Results

RT: 20.35
Area: 122
Amount: 0.155609
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:43:32
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

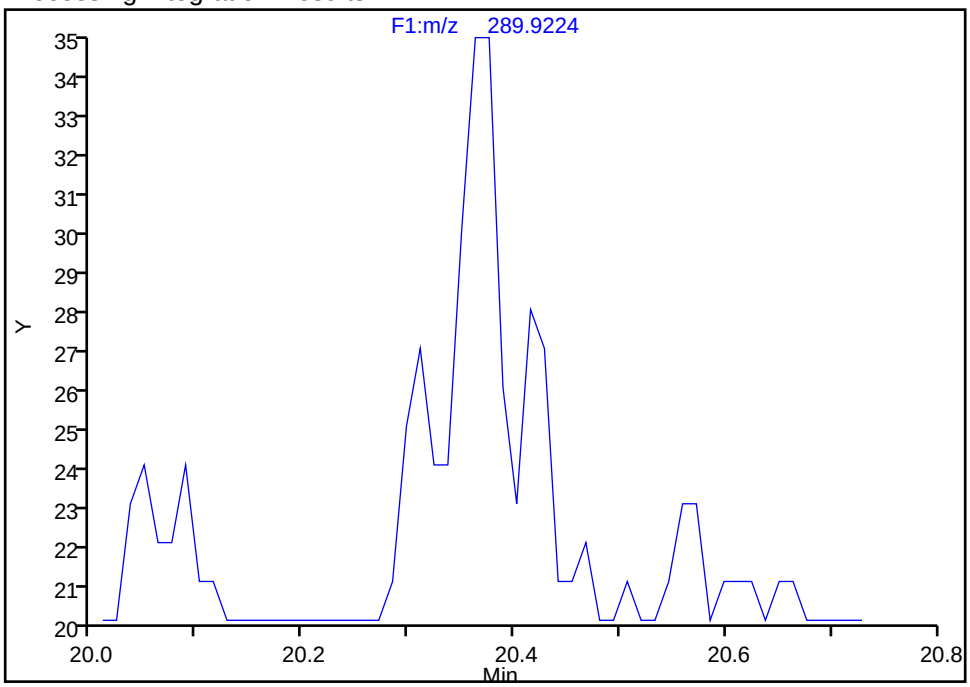
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-54, CAS: 15968-05-5

Signal: 1

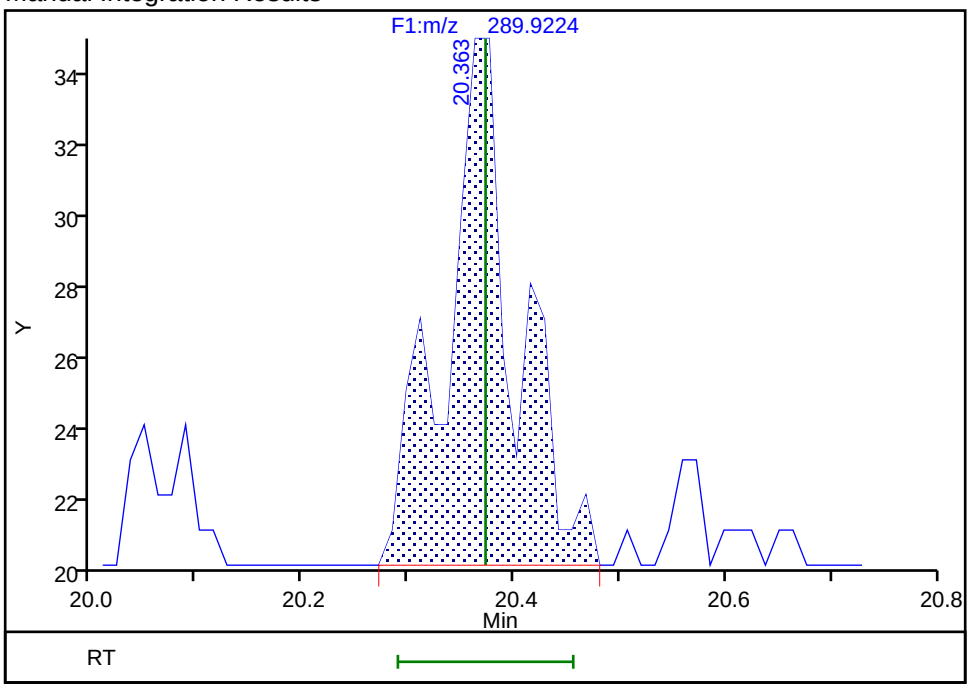
Not Detected
Expected RT: 20.37

Processing Integration Results




Manual Integration Results

RT: 20.36
Area: 69
Amount: 0.155609
Amount Units: pg/ul

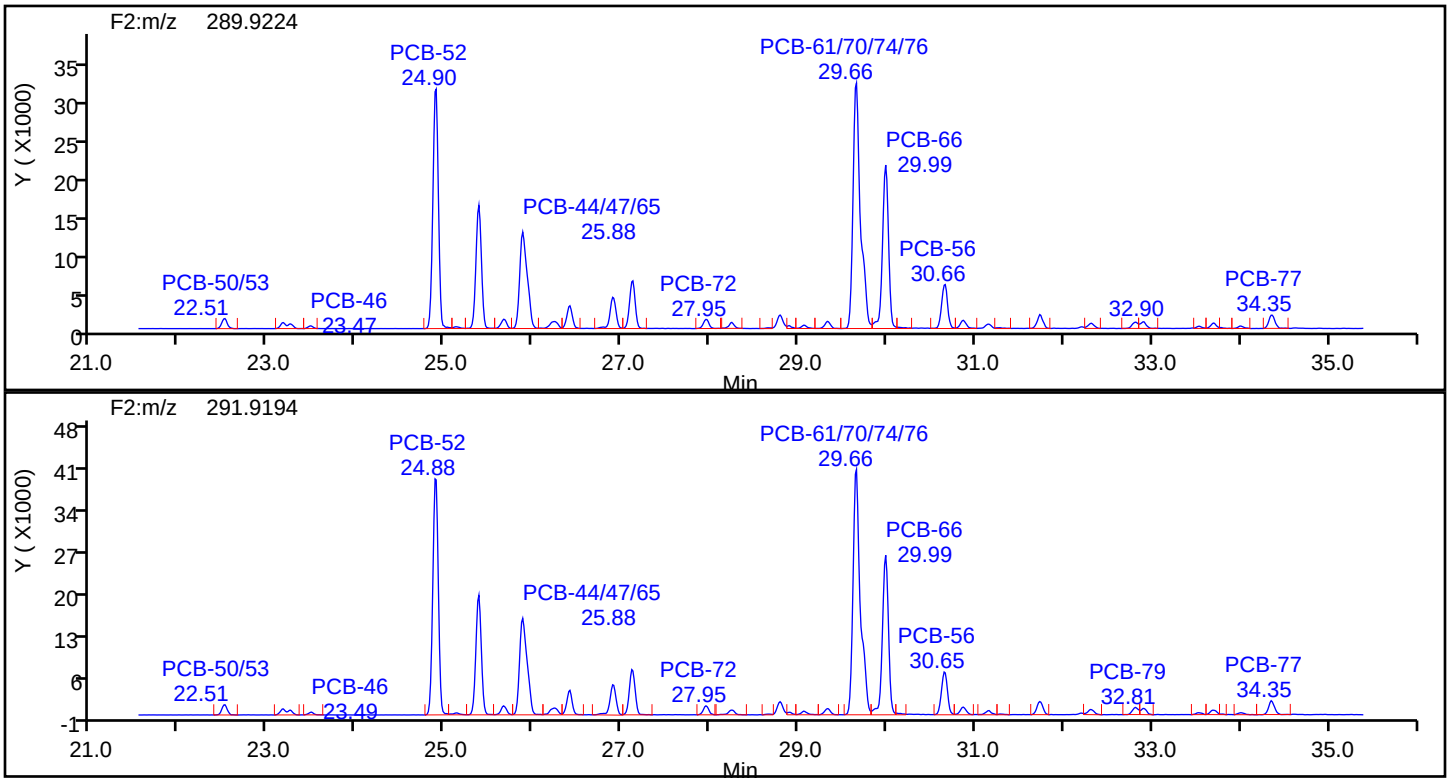



Reviewer: nordquistj, 26-Sep-2019 14:43:48
Audit Action: Manually Integrated Audit Reason: Split Peak

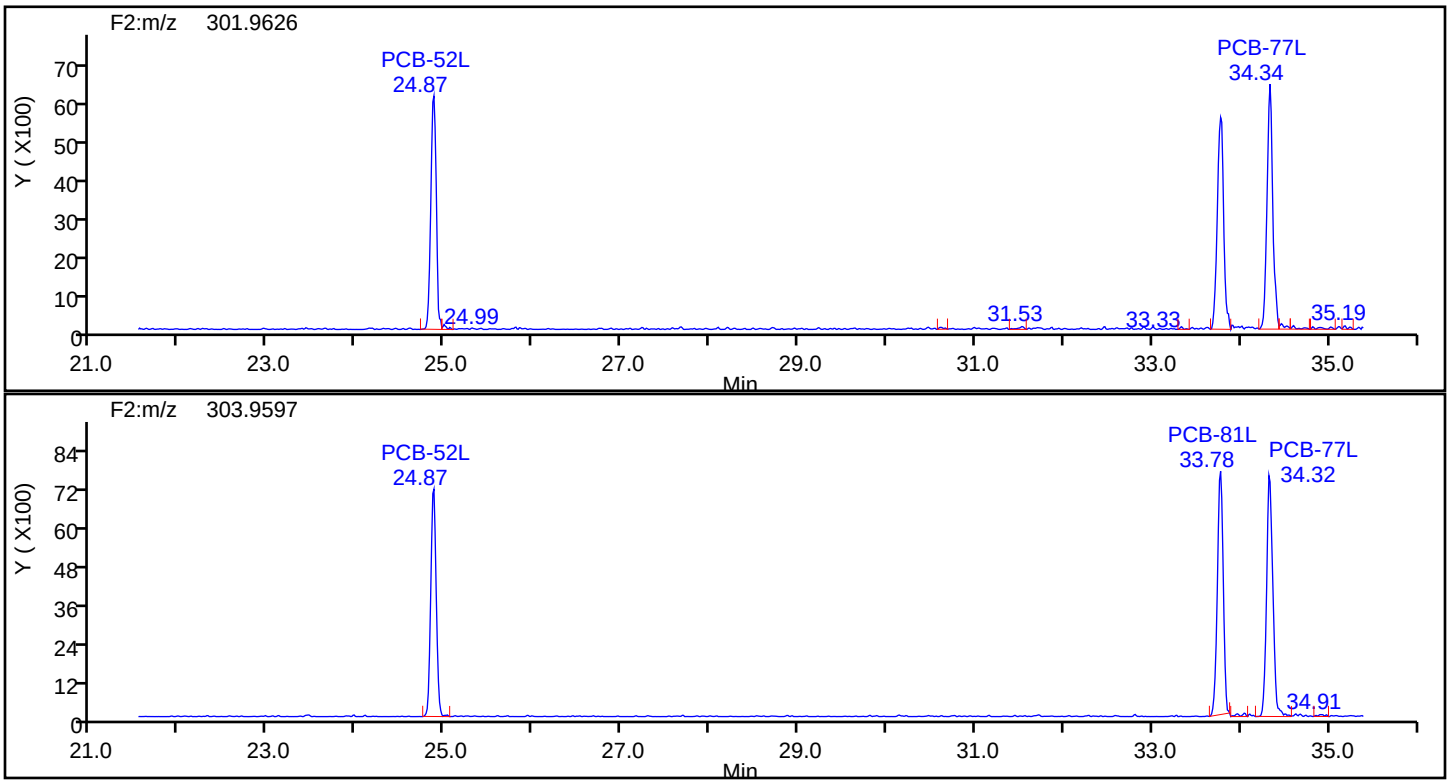
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



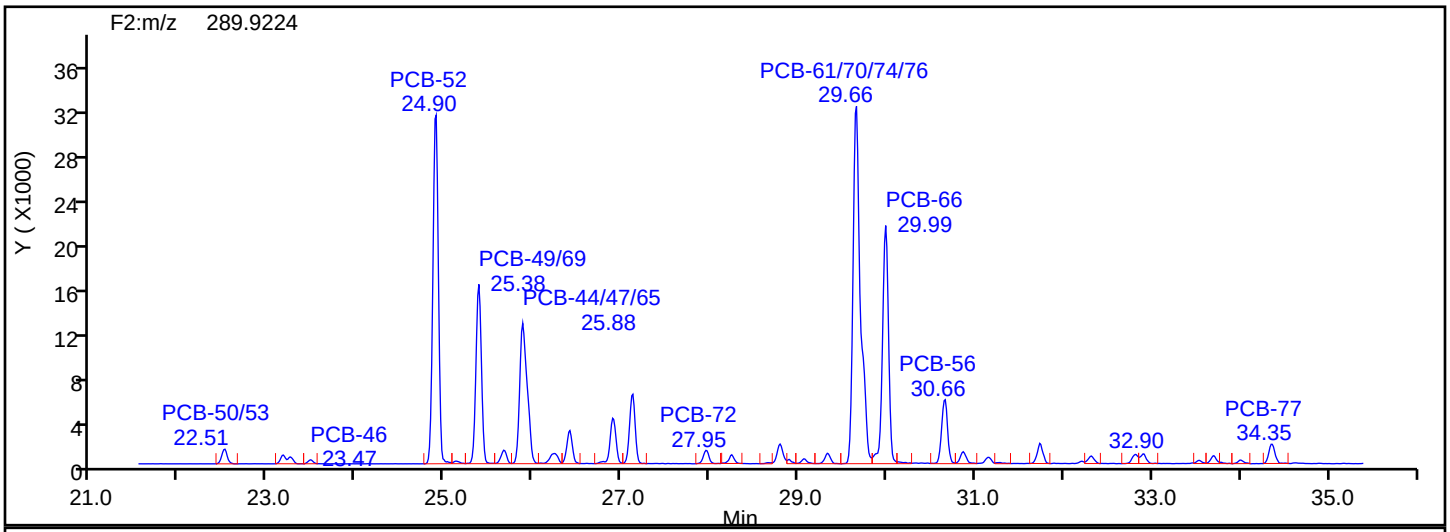

TePCB F2 Standards

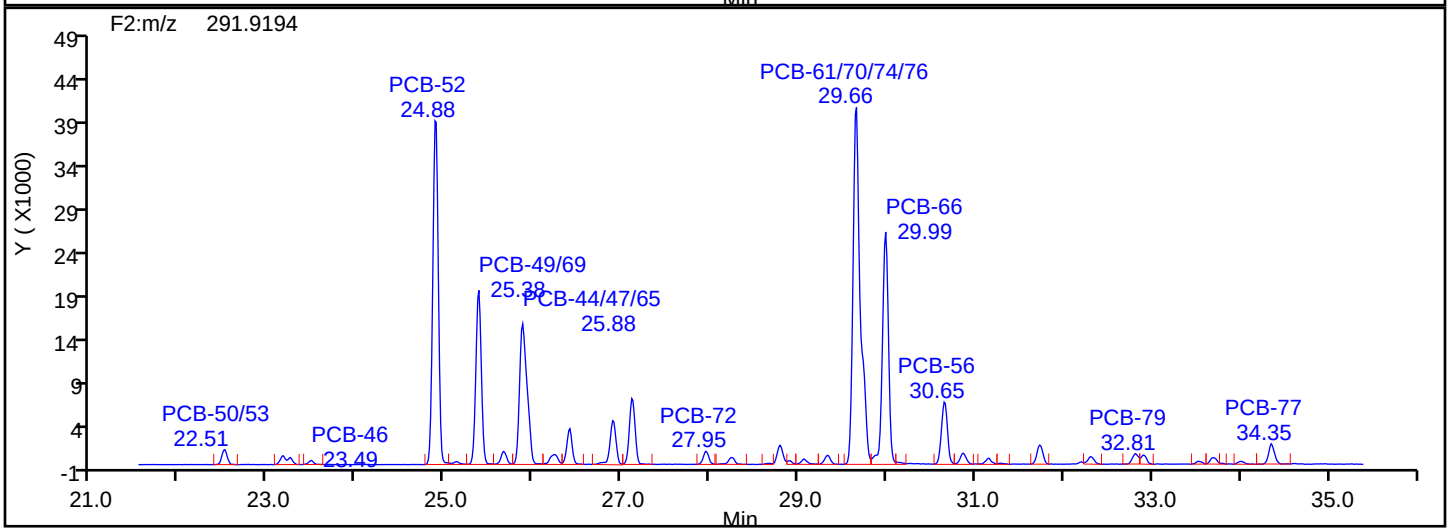


Eurofins TestAmerica, Knoxville

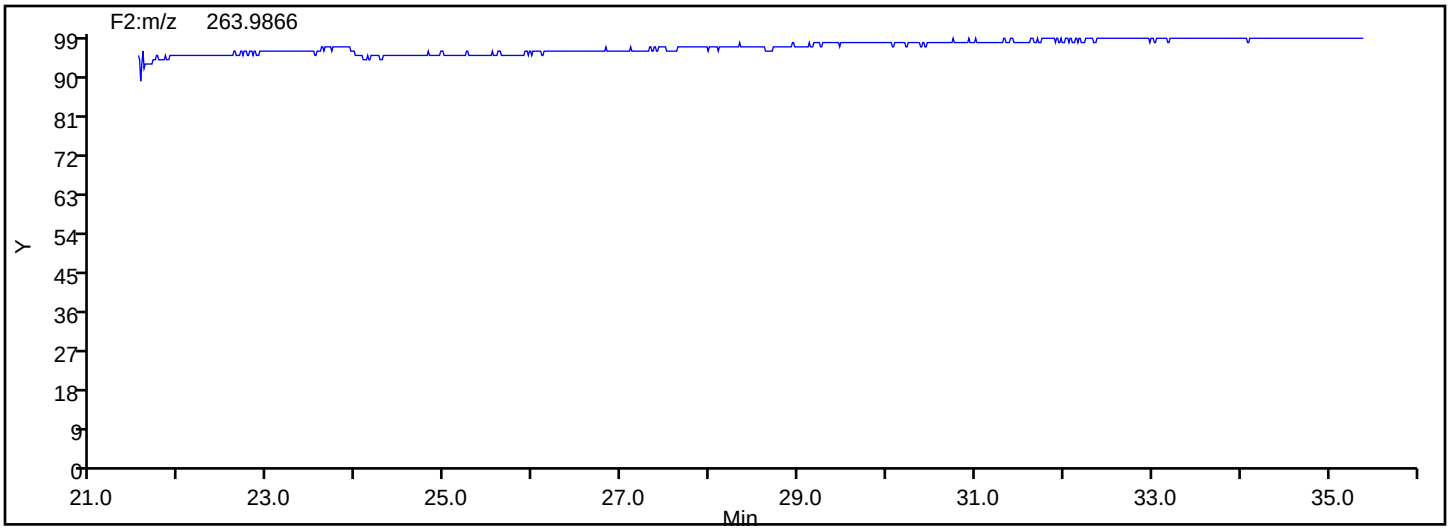
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

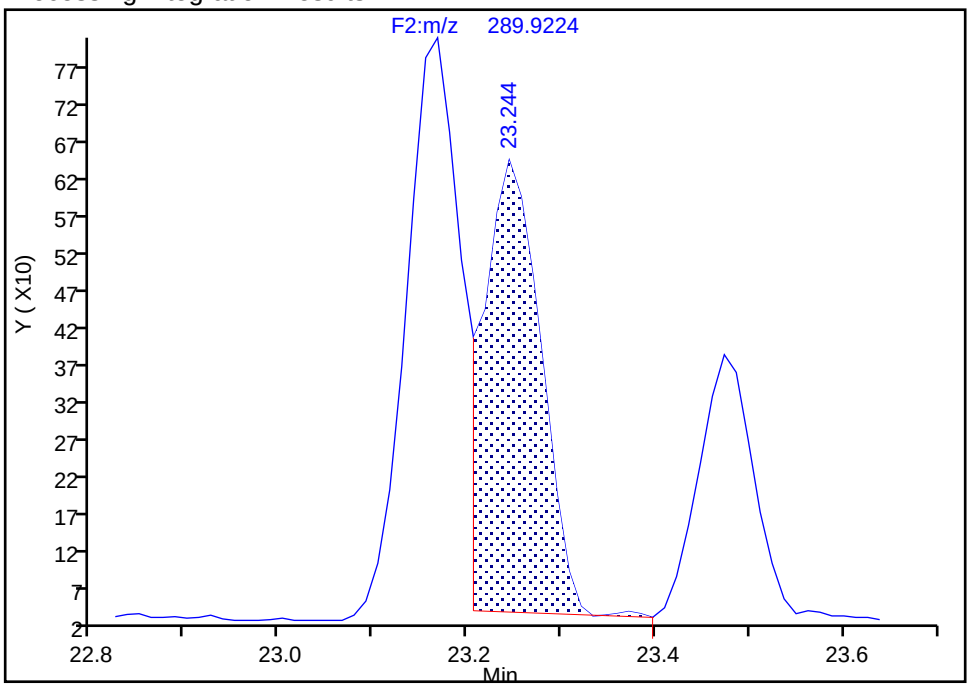
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

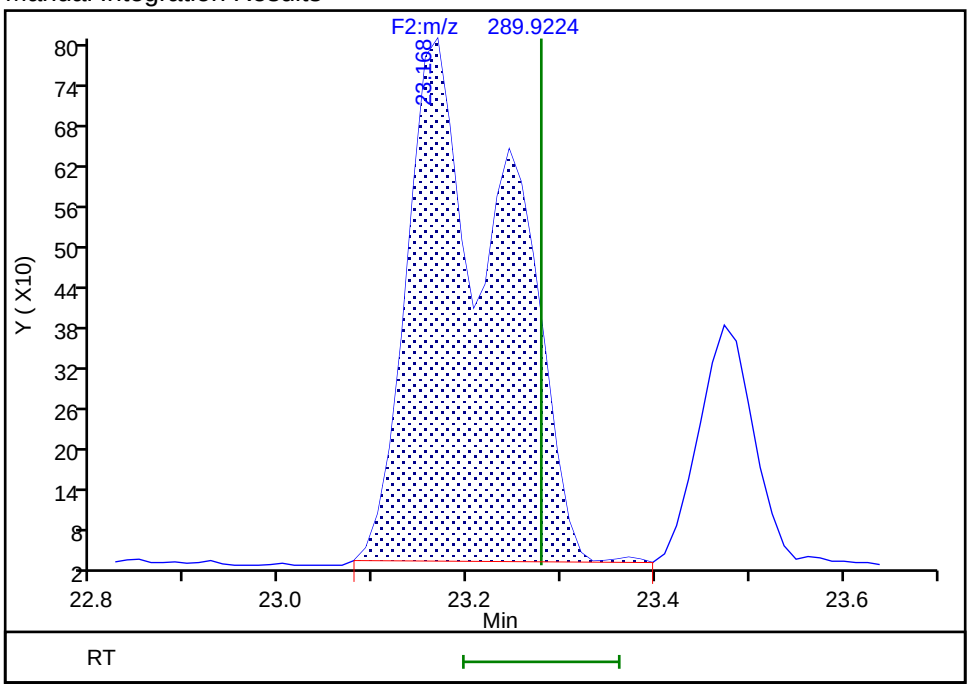
Processing Integration Results

RT: 23.24
Area: 2527
Amount: 1.959273
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 5627
Amount: 4.479489
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:04:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

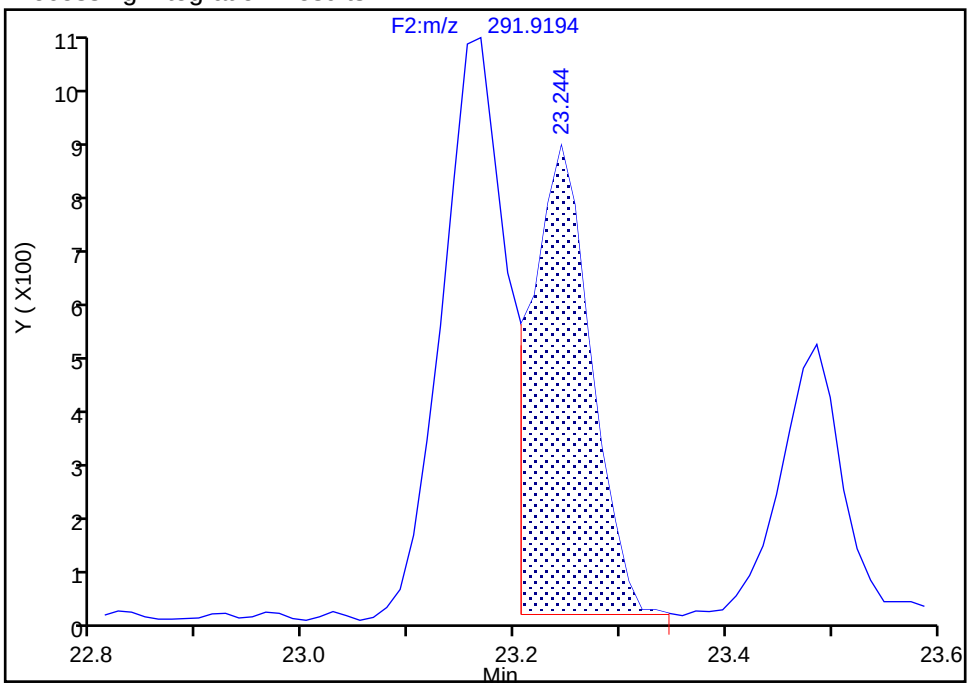
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

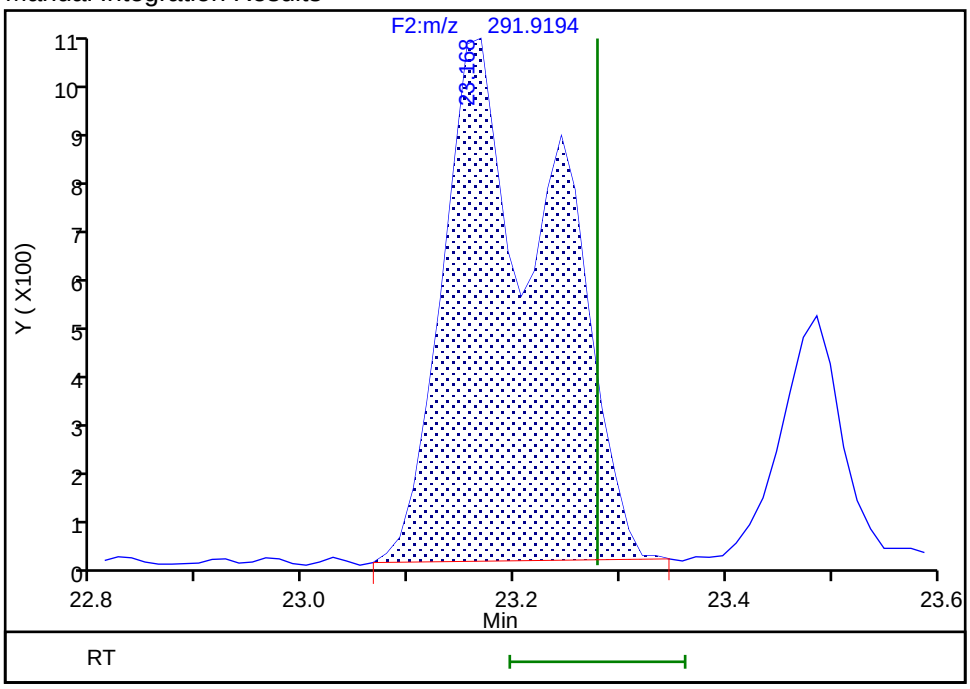
Processing Integration Results

RT: 23.24
Area: 3065
Amount: 1.959273
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 7158
Amount: 4.479489
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:04:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

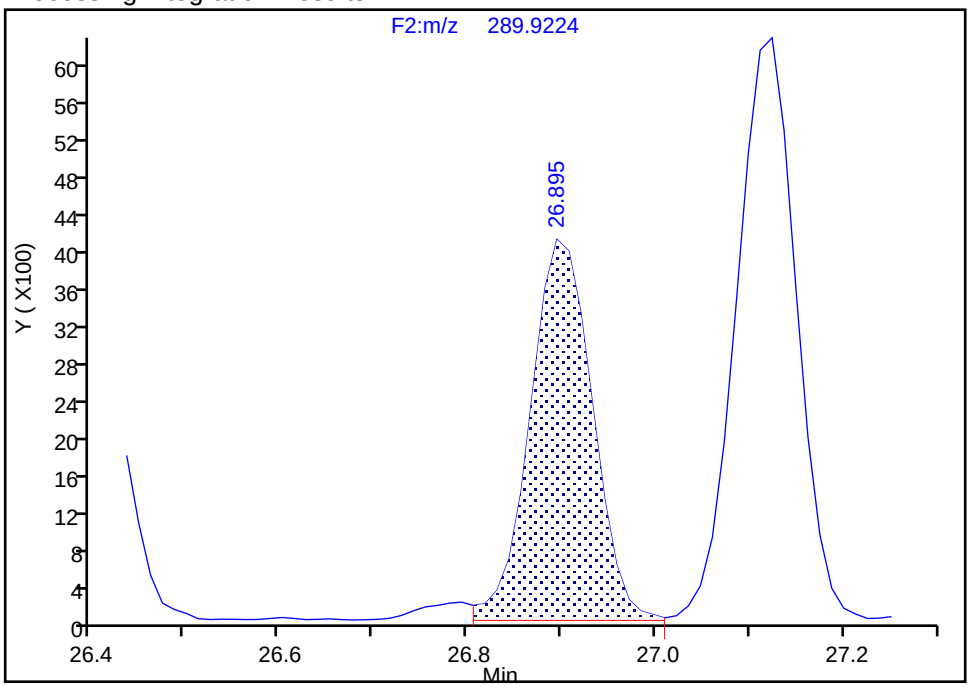
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

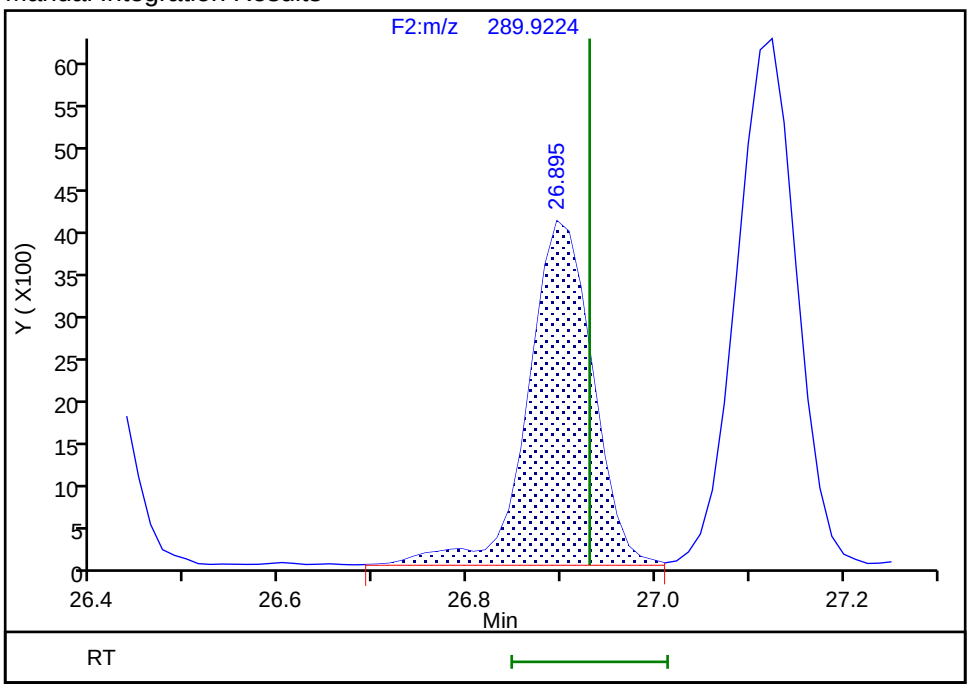
Processing Integration Results

RT: 26.90
Area: 18736
Amount: 14.096716
Amount Units: pg/ul




Manual Integration Results

RT: 26.90
Area: 19485
Amount: 14.867968
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:44:15

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

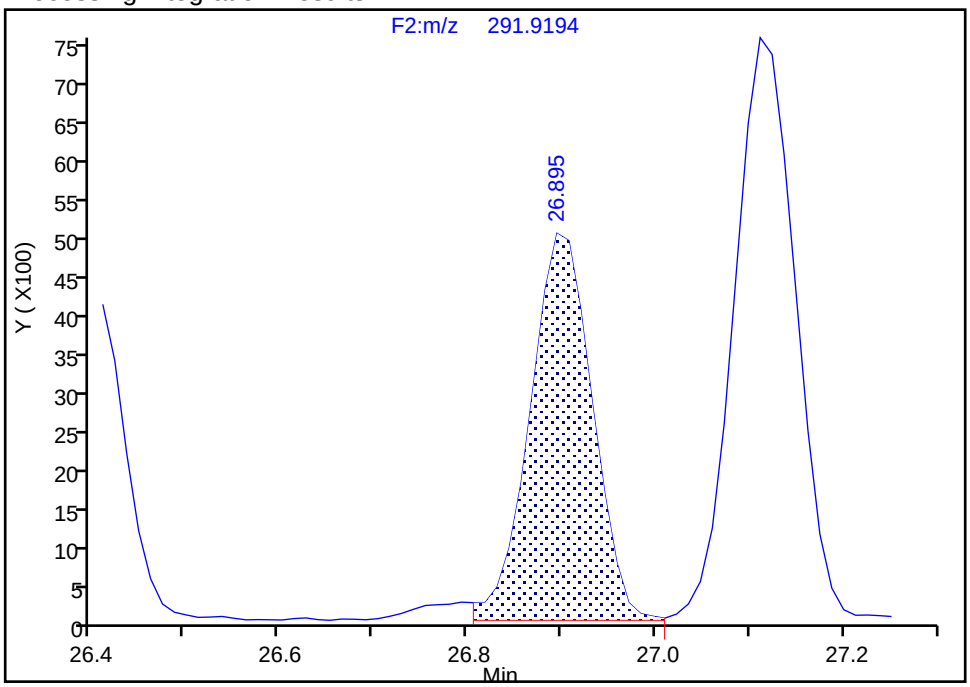
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

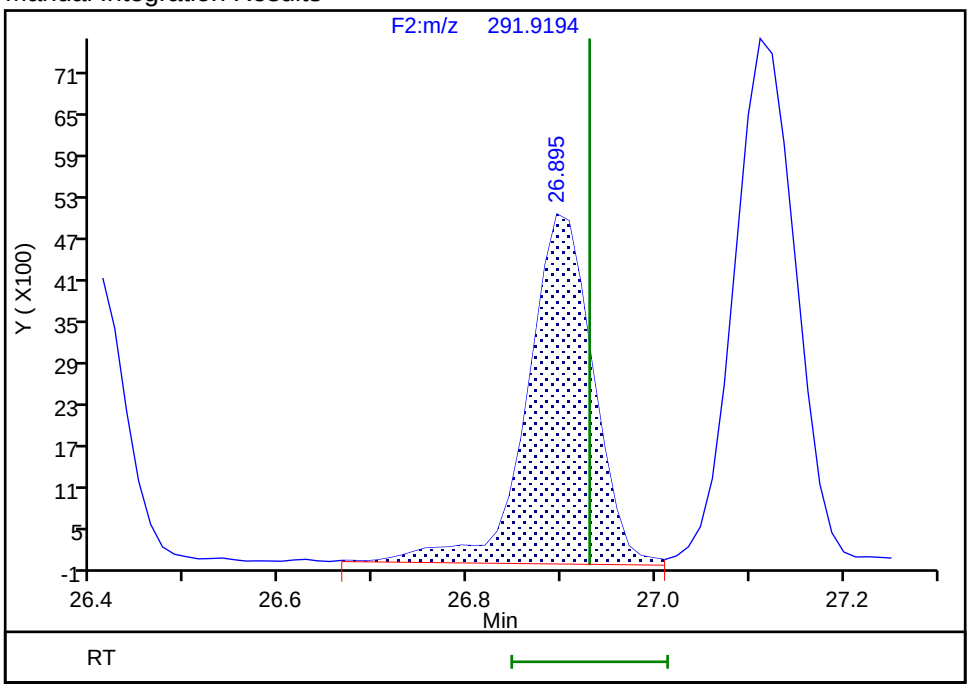
Processing Integration Results

RT: 26.90
Area: 22992
Amount: 14.096716
Amount Units: pg/ul




Manual Integration Results

RT: 26.90
Area: 24526
Amount: 14.867968
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:44:25
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

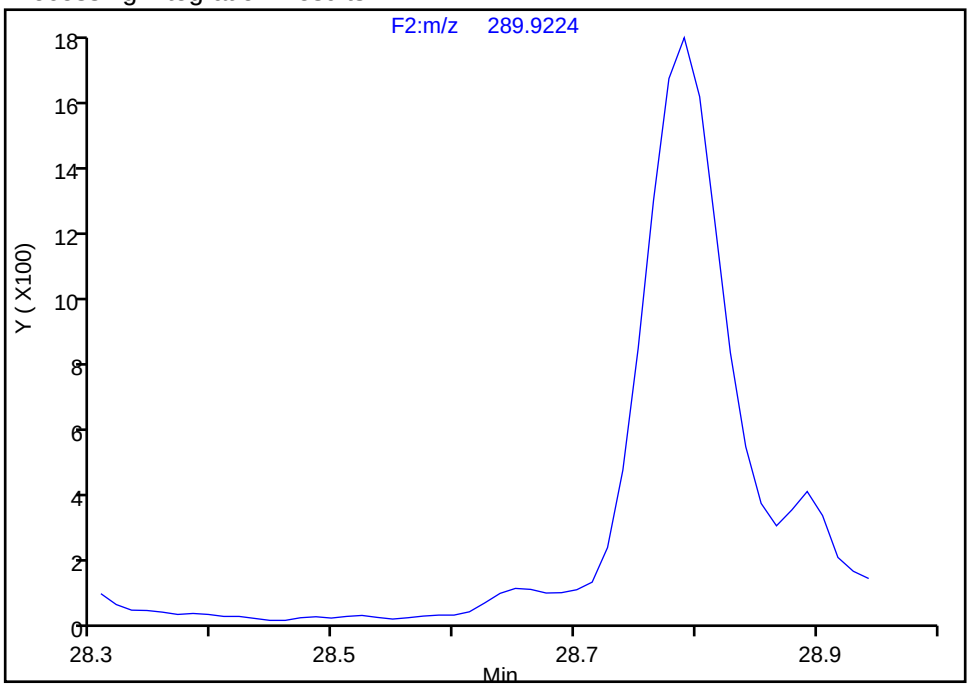
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 1

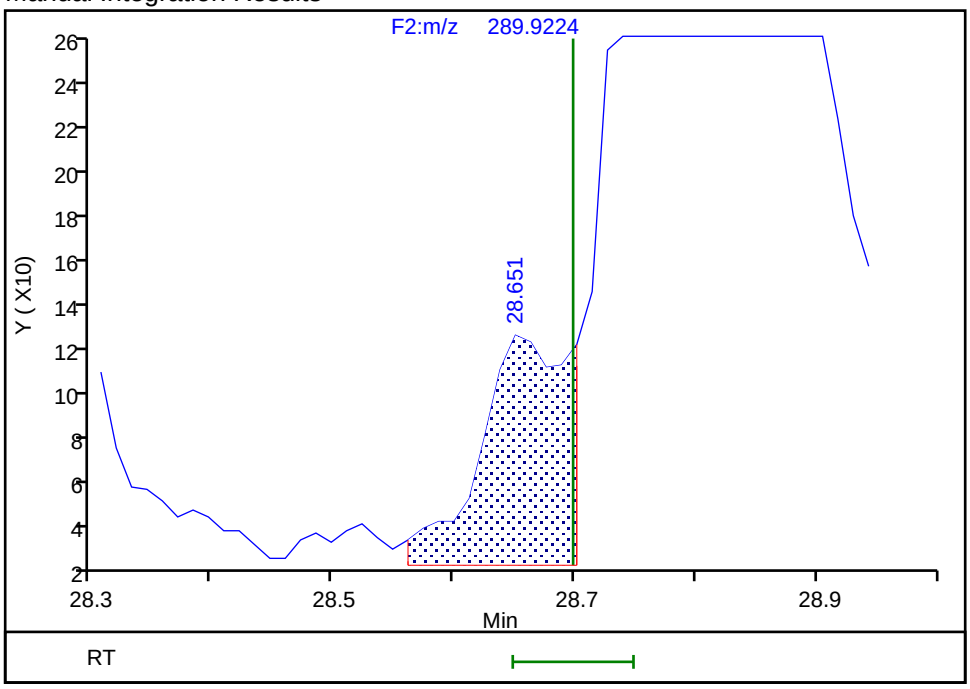
Not Detected
Expected RT: 28.70

Processing Integration Results




Manual Integration Results

RT: 28.65
Area: 493
Amount: 0.268063
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:44:41
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

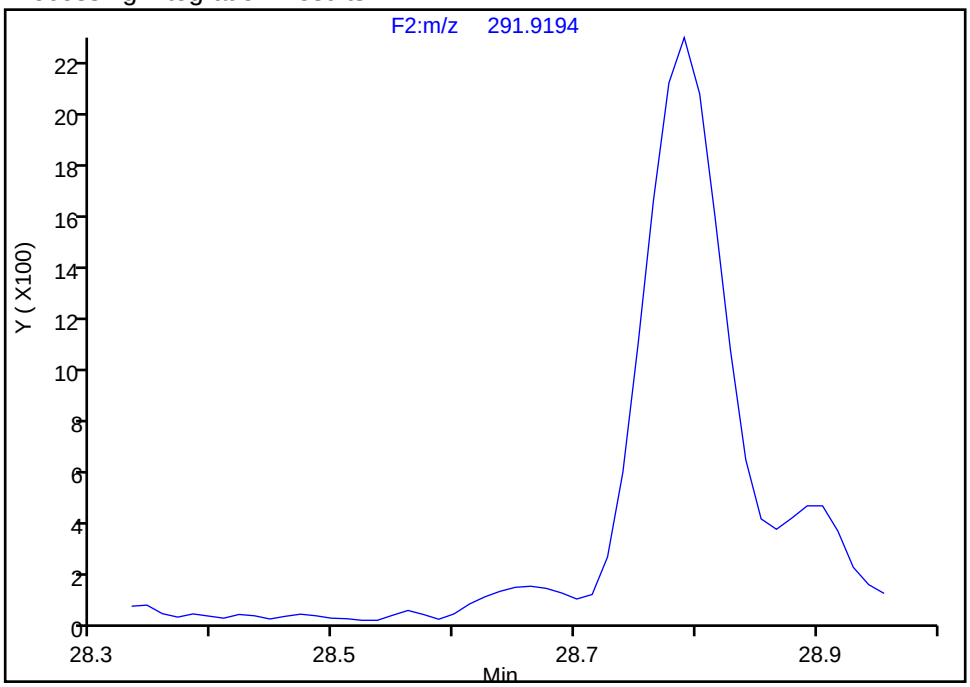
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 2

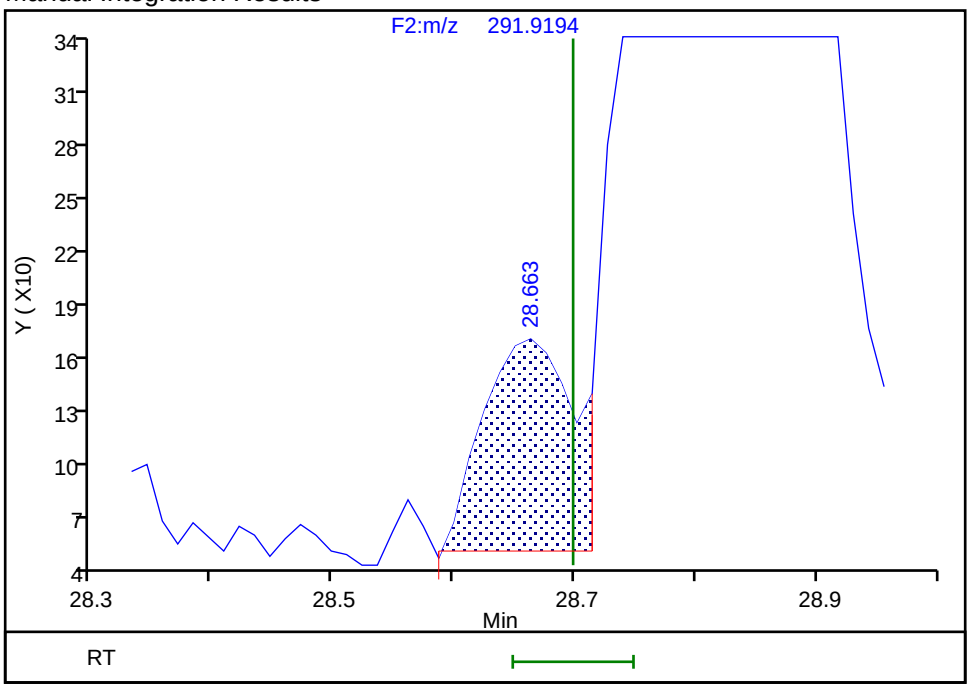
Not Detected
Expected RT: 28.70

Processing Integration Results




Manual Integration Results

RT: 28.66
Area: 615
Amount: 0.268063
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:44:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

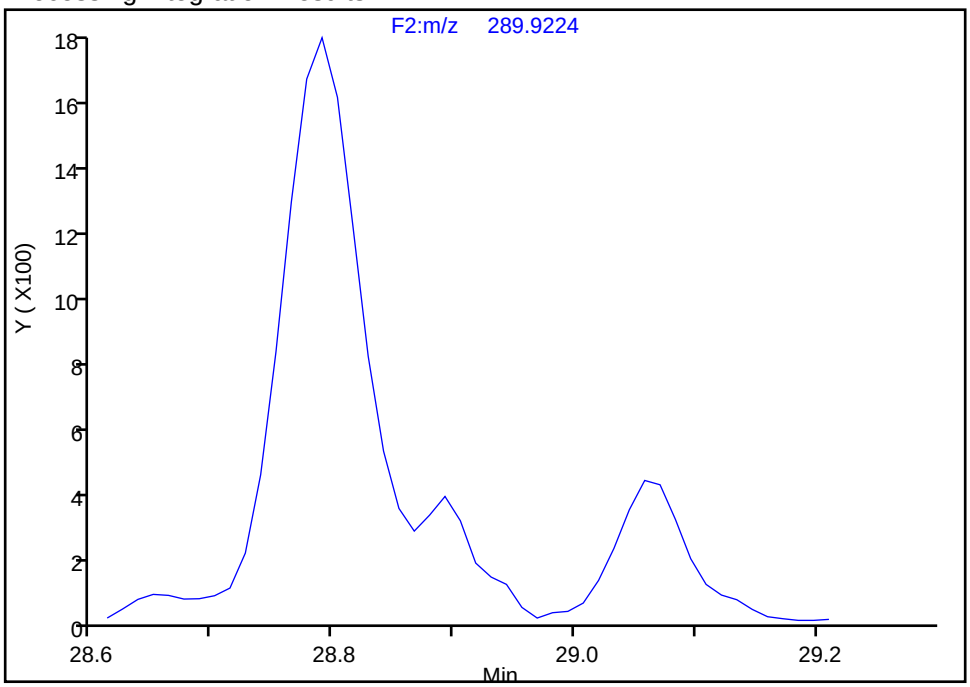
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

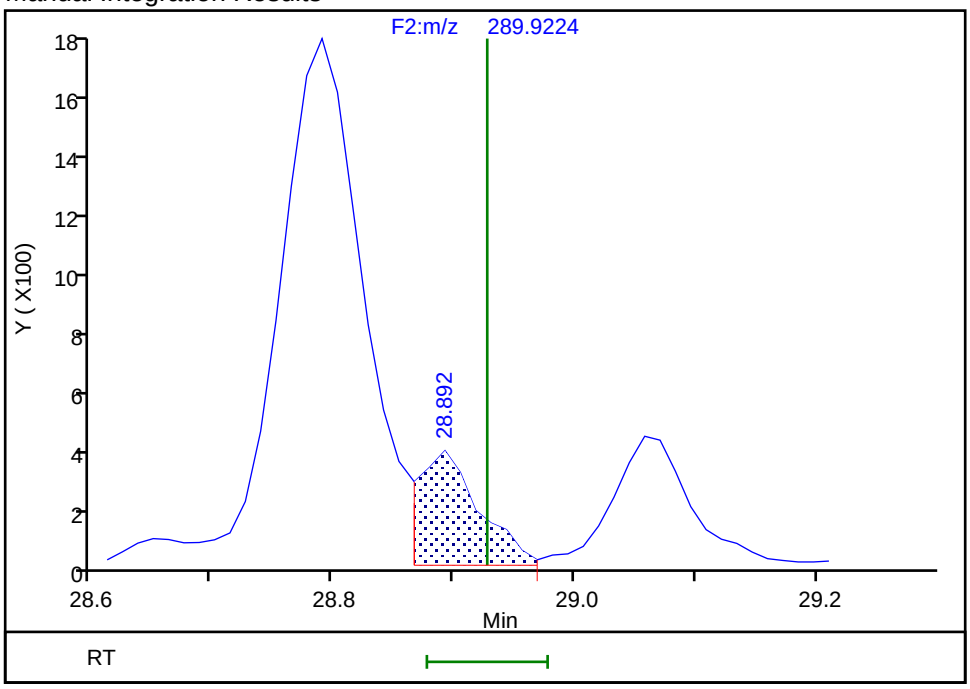
Not Detected
Expected RT: 28.93

Processing Integration Results




Manual Integration Results

RT: 28.89
Area: 1268
Amount: 0.669521
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:05:46
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

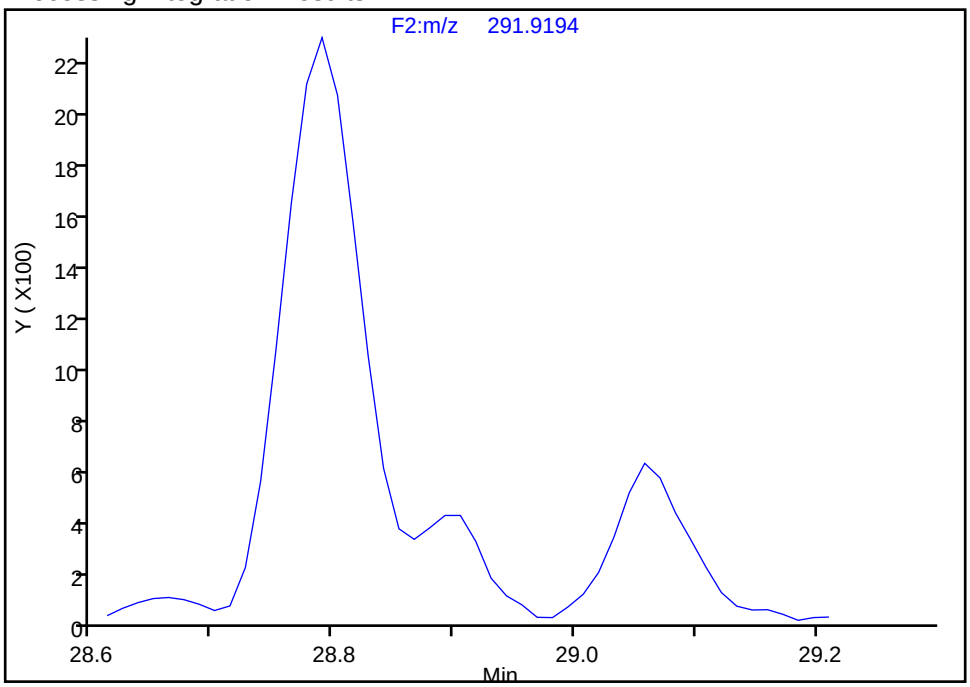
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

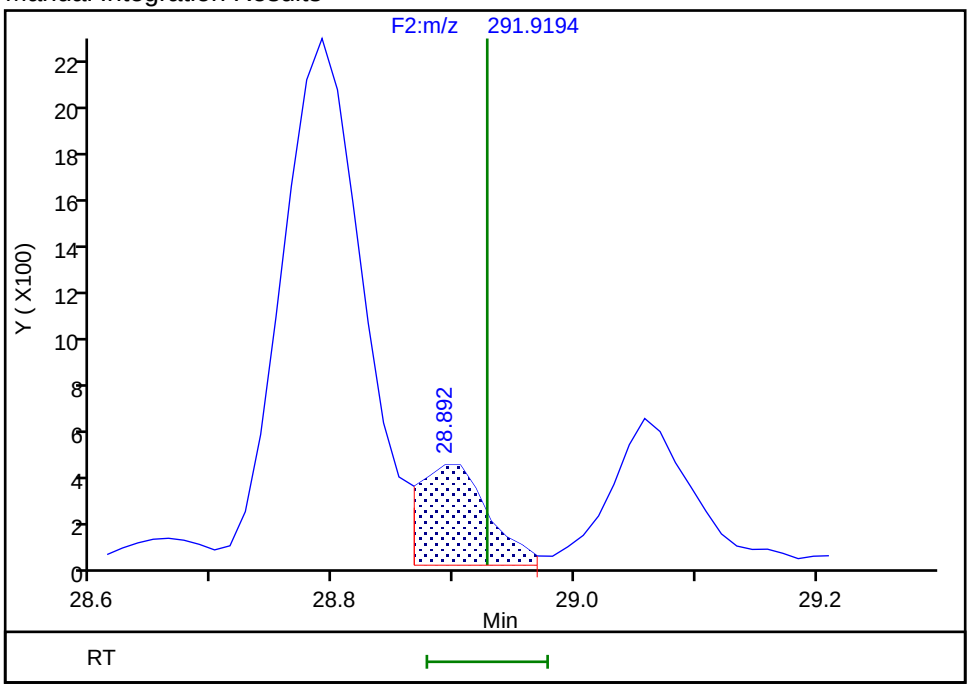
Not Detected
Expected RT: 28.93

Processing Integration Results




Manual Integration Results

RT: 28.89
Area: 1585
Amount: 0.669521
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:06:20
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

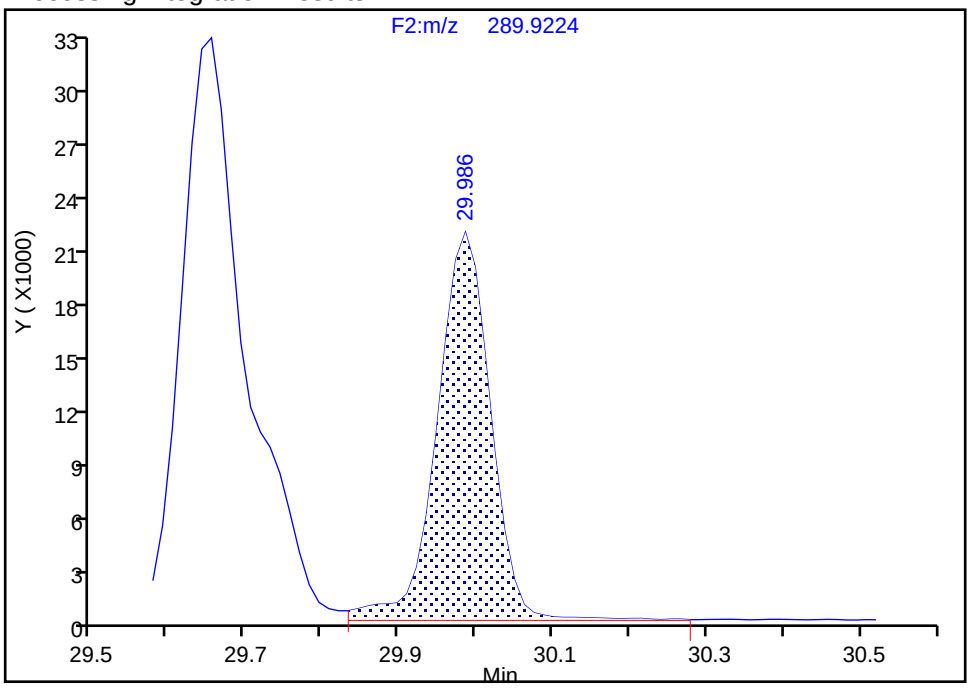
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

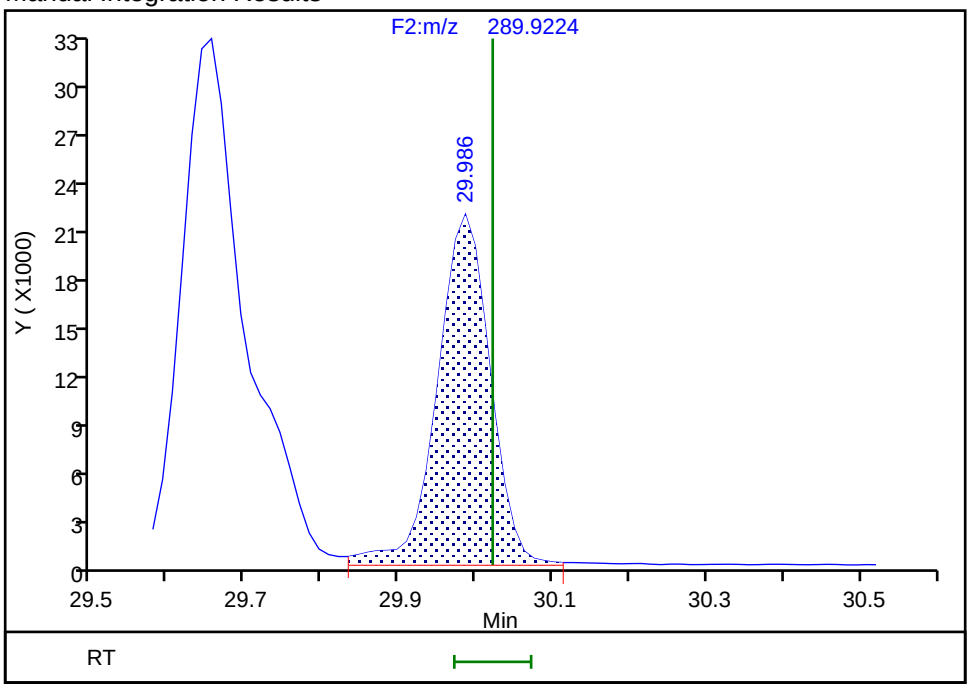
Processing Integration Results

RT: 29.99
Area: 103362
Amount: 55.384471
Amount Units: pg/ul




Manual Integration Results

RT: 29.99
Area: 102370
Amount: 55.632060
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:07:30

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

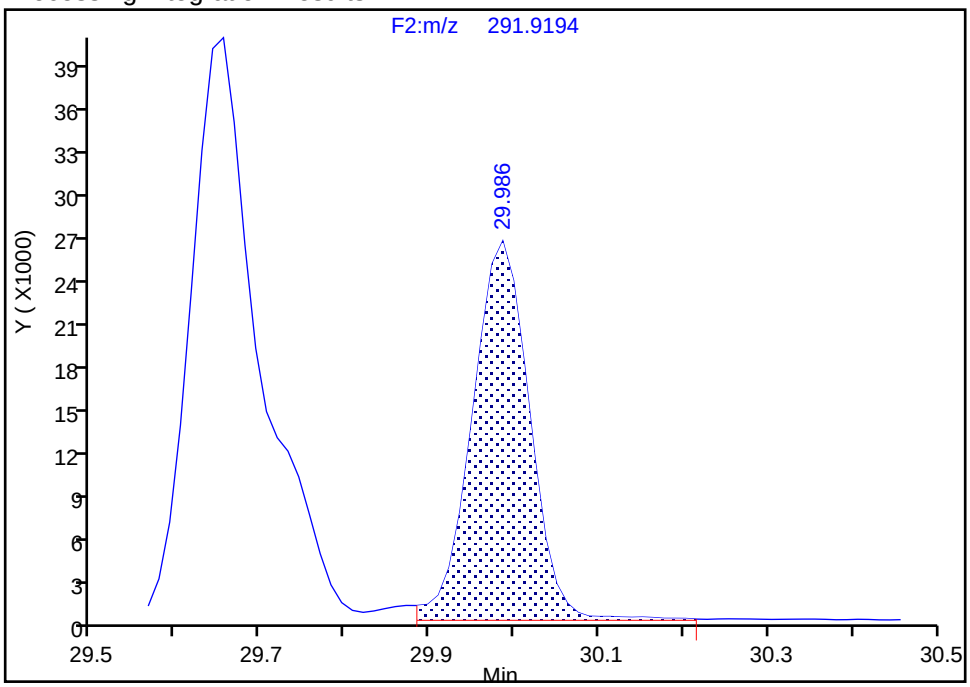
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

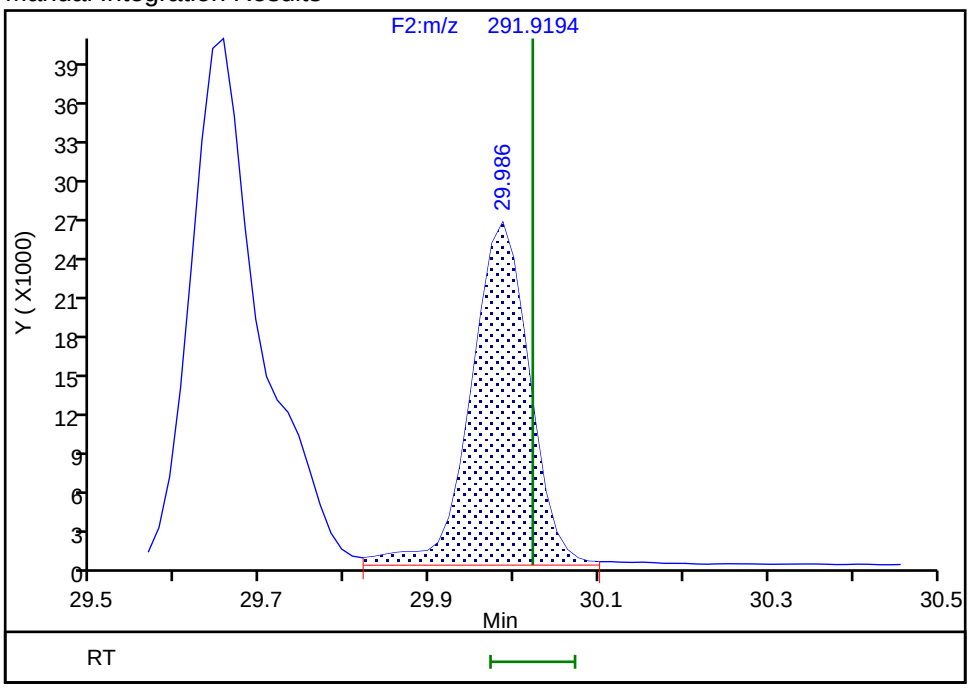
Processing Integration Results

RT: 29.99
Area: 125255
Amount: 55.384471
Amount Units: pg/ul




Manual Integration Results

RT: 29.99
Area: 127269
Amount: 55.632060
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:45:23

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

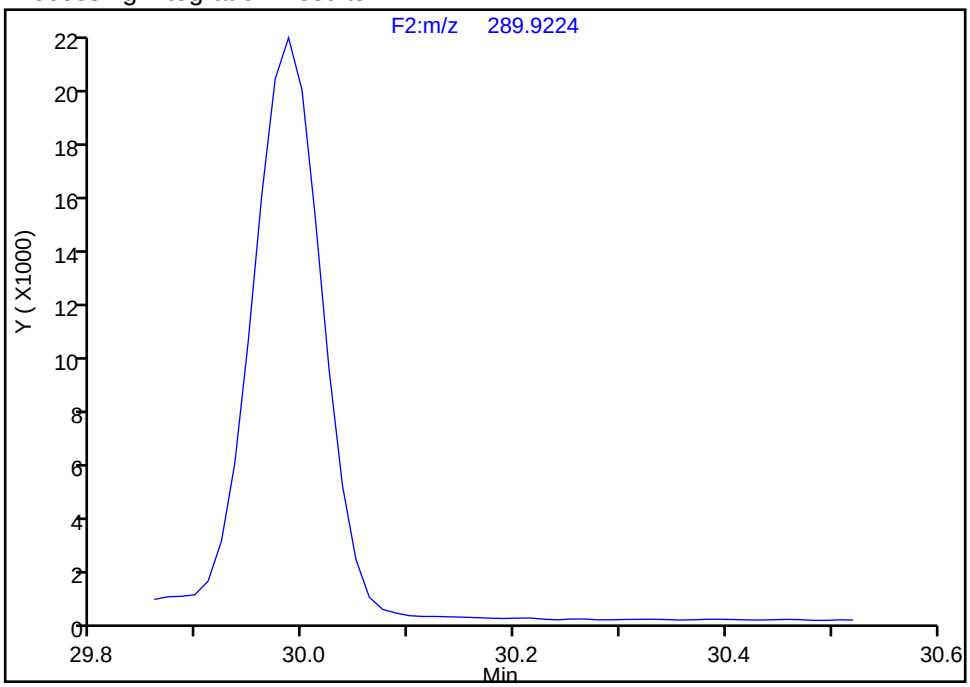
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

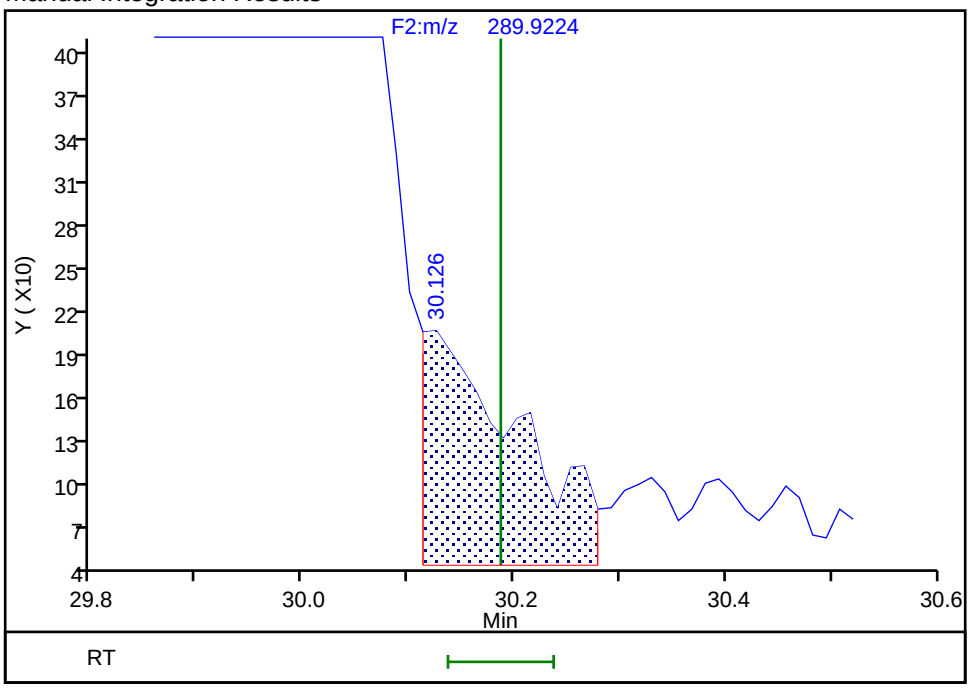
Not Detected
Expected RT: 30.19

Processing Integration Results




Manual Integration Results

RT: 30.13
Area: 992
Amount: 0.544453
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:07:46
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

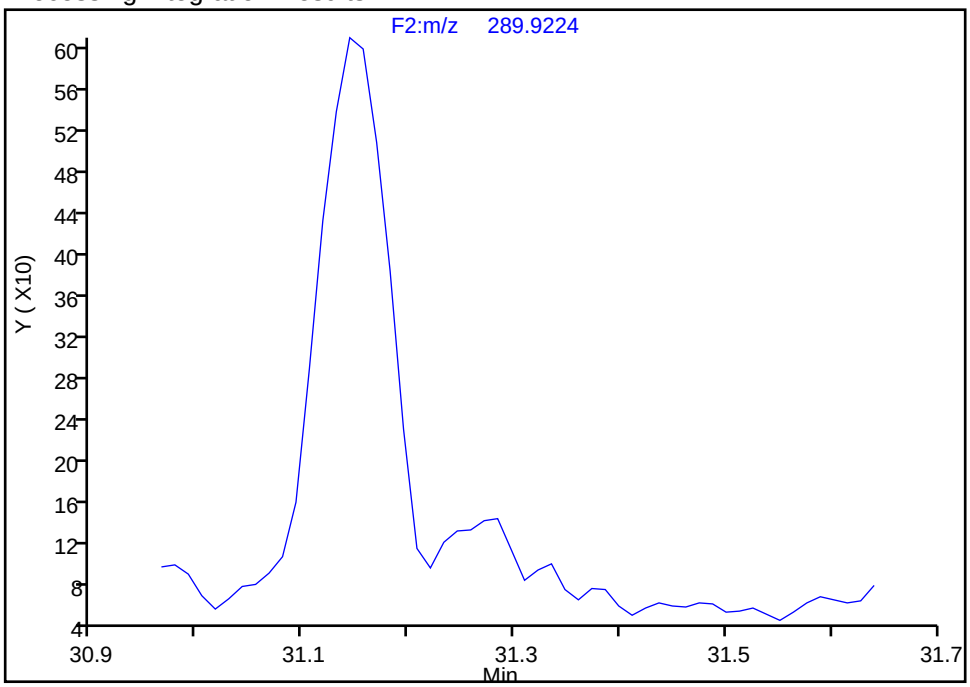
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-80, CAS: 33284-52-5

Signal: 1

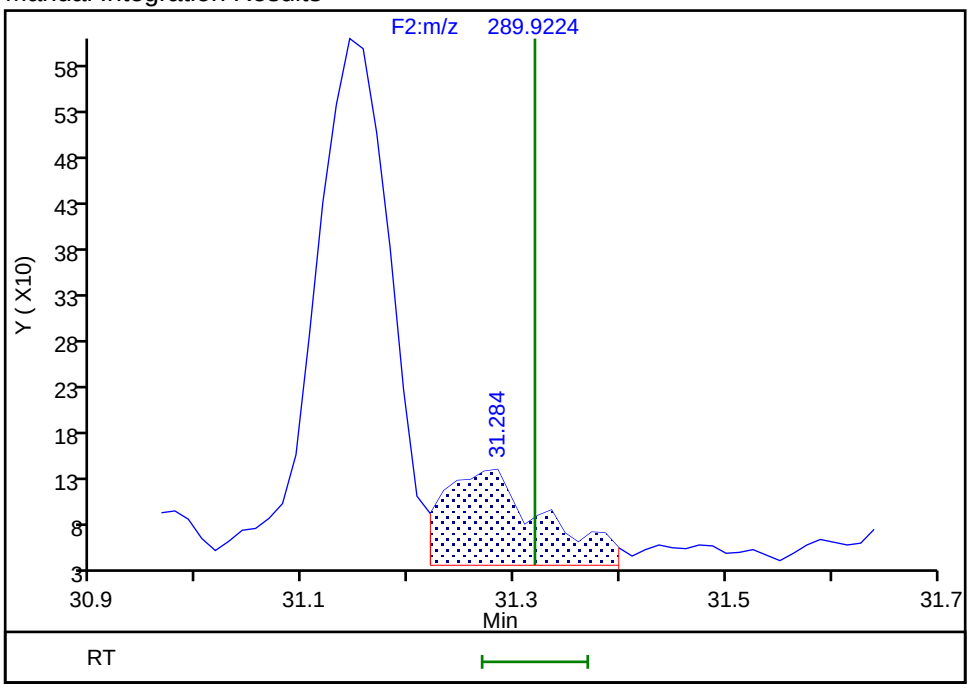
Not Detected
Expected RT: 31.32

Processing Integration Results




Manual Integration Results

RT: 31.28
Area: 666
Amount: 0.265268
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:45:36
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

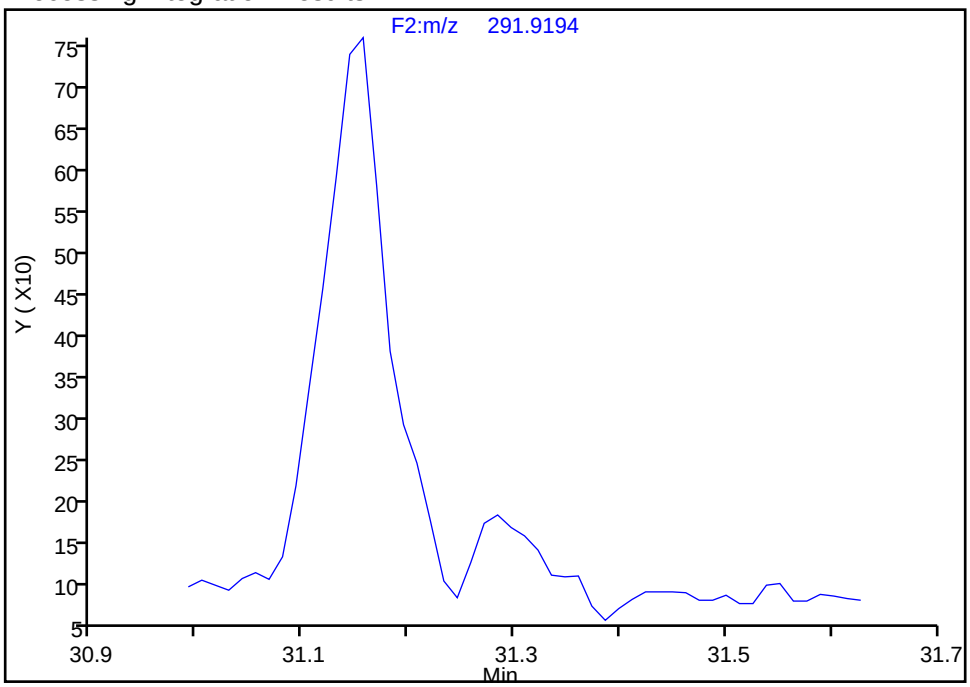
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-80, CAS: 33284-52-5

Signal: 2

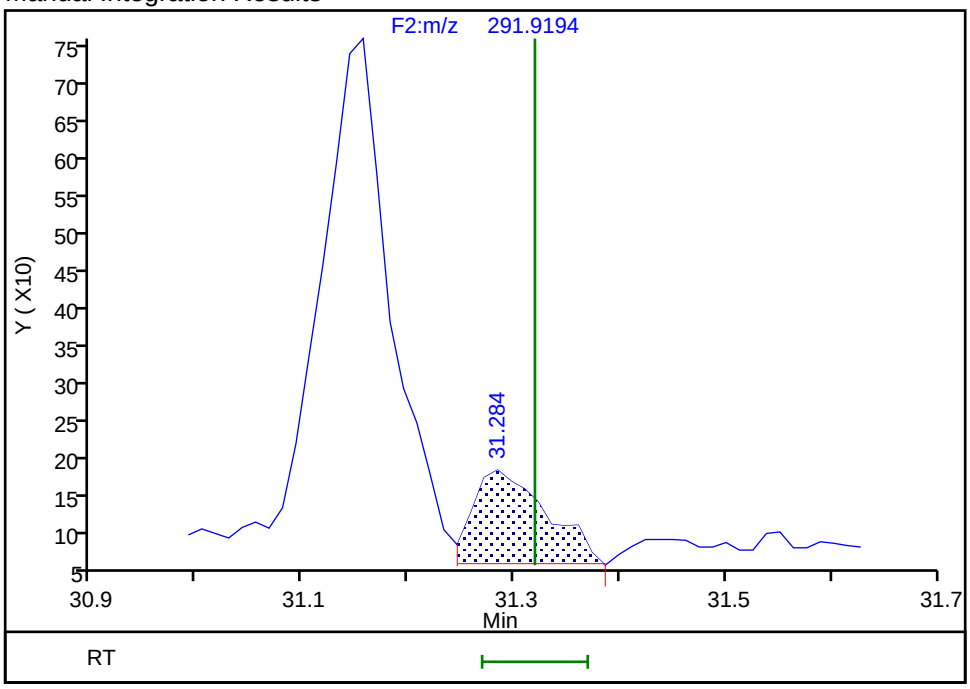
Not Detected
Expected RT: 31.32

Processing Integration Results




Manual Integration Results

RT: 31.28
Area: 591
Amount: 0.265268
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:45:46
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

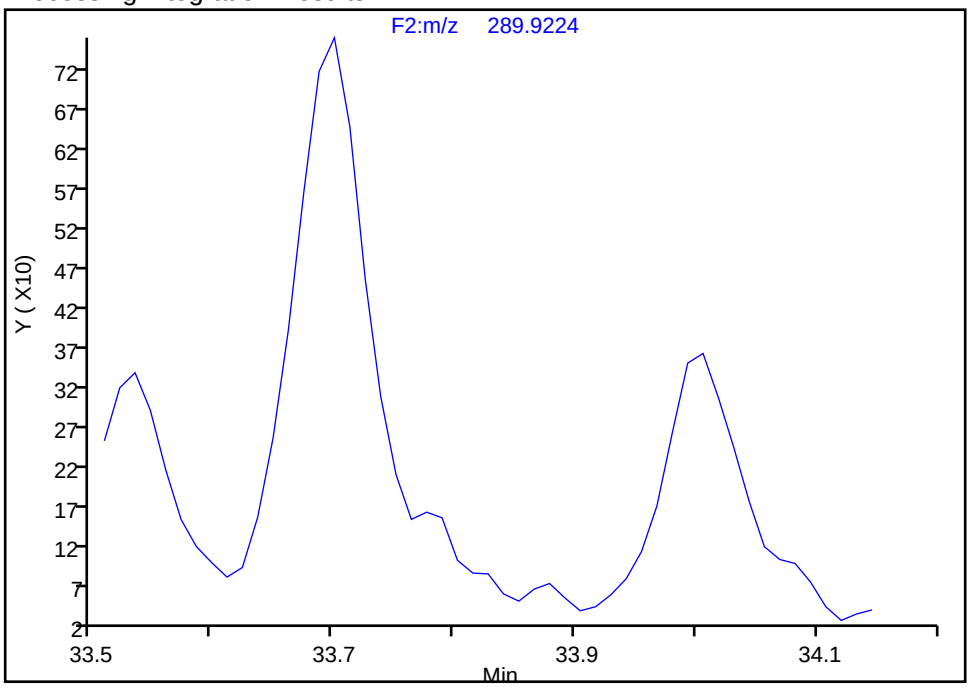
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

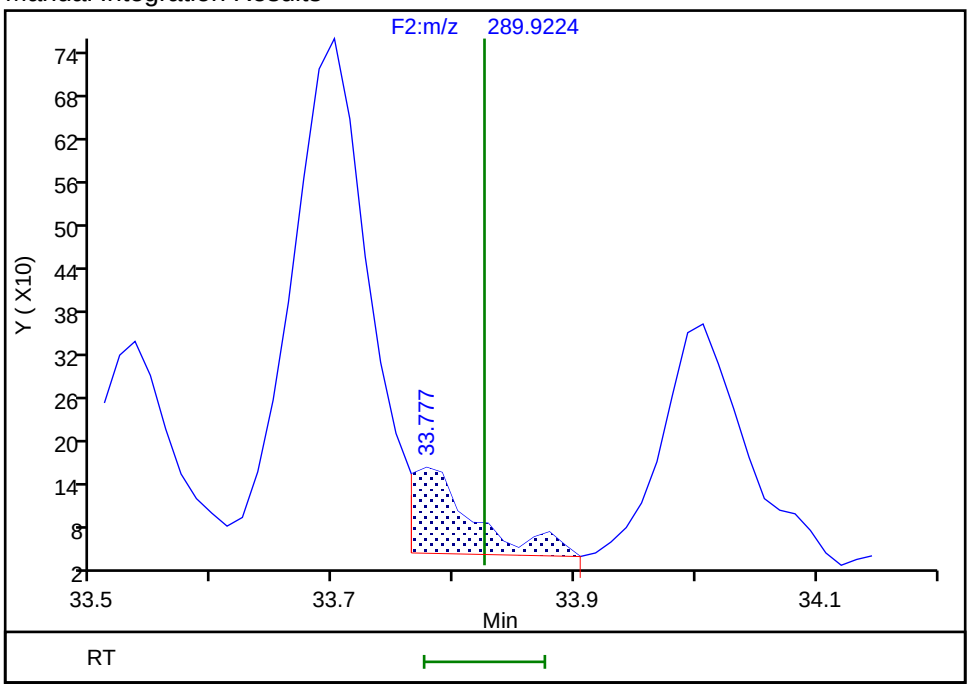
Not Detected
Expected RT: 33.83

Processing Integration Results




Manual Integration Results

RT: 33.78
Area: 407
Amount: 0.176622
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:08:59
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

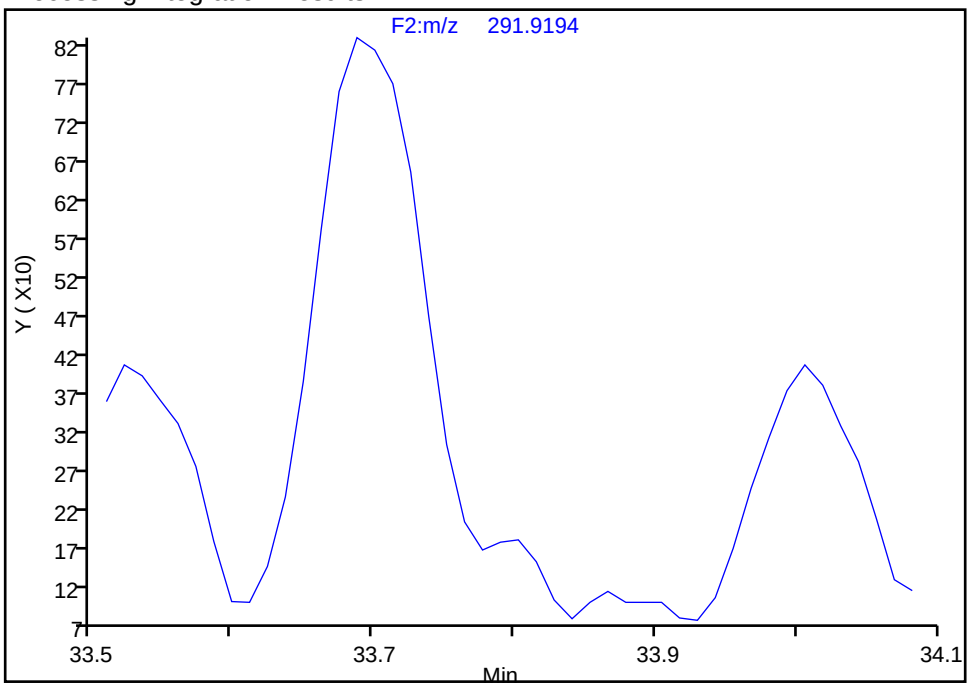
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

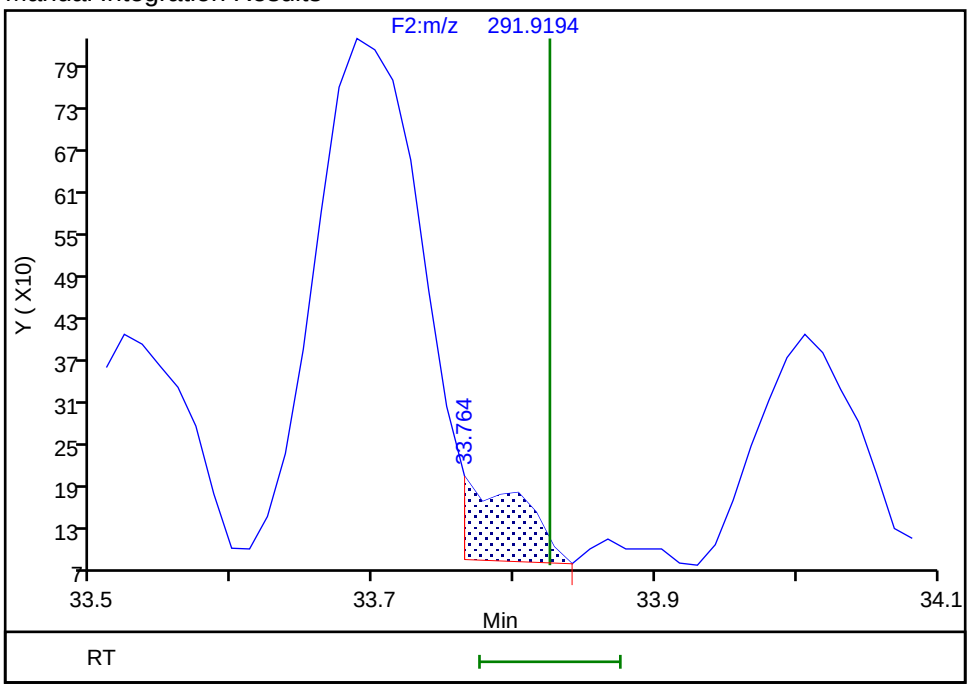
Not Detected
Expected RT: 33.83

Processing Integration Results




Manual Integration Results

RT: 33.76
Area: 326
Amount: 0.176622
Amount Units: pg/ul

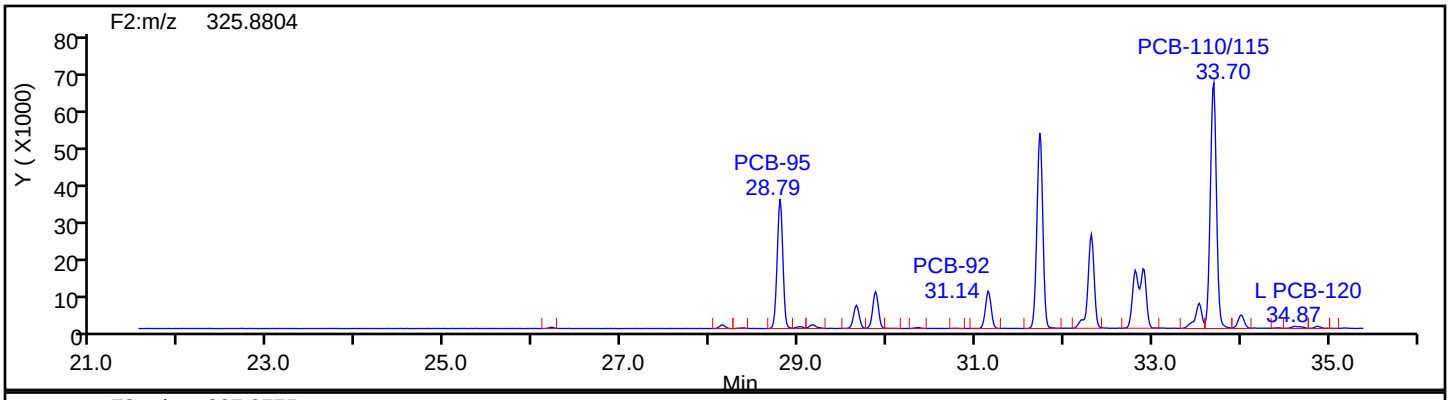


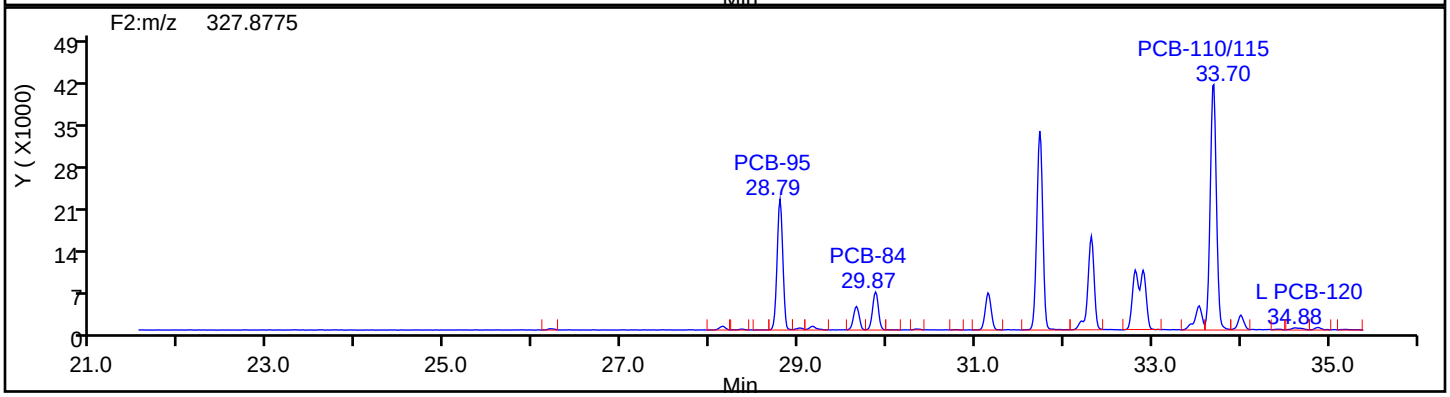

Reviewer: layk, 26-Sep-2019 11:09:04
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

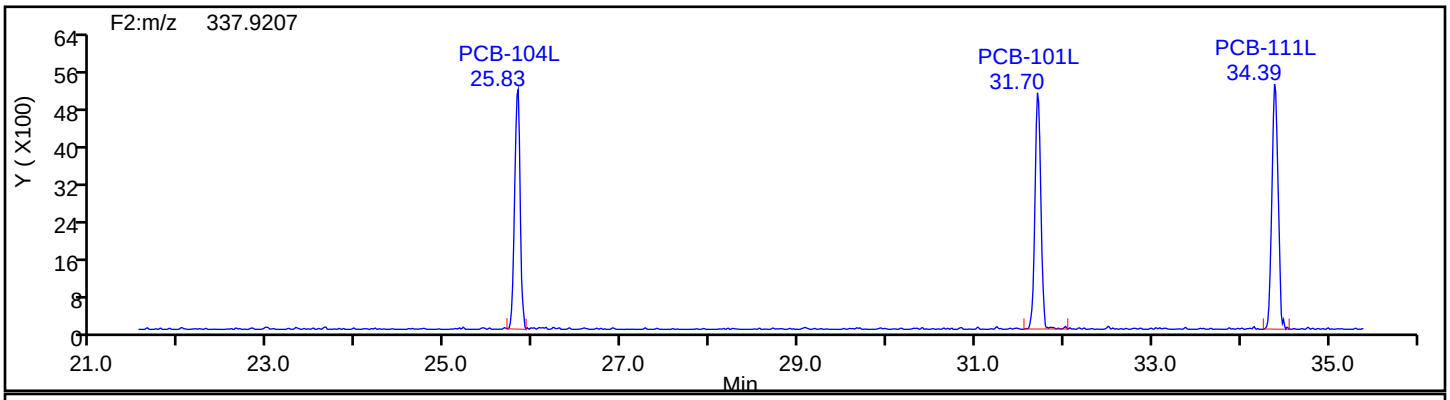
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

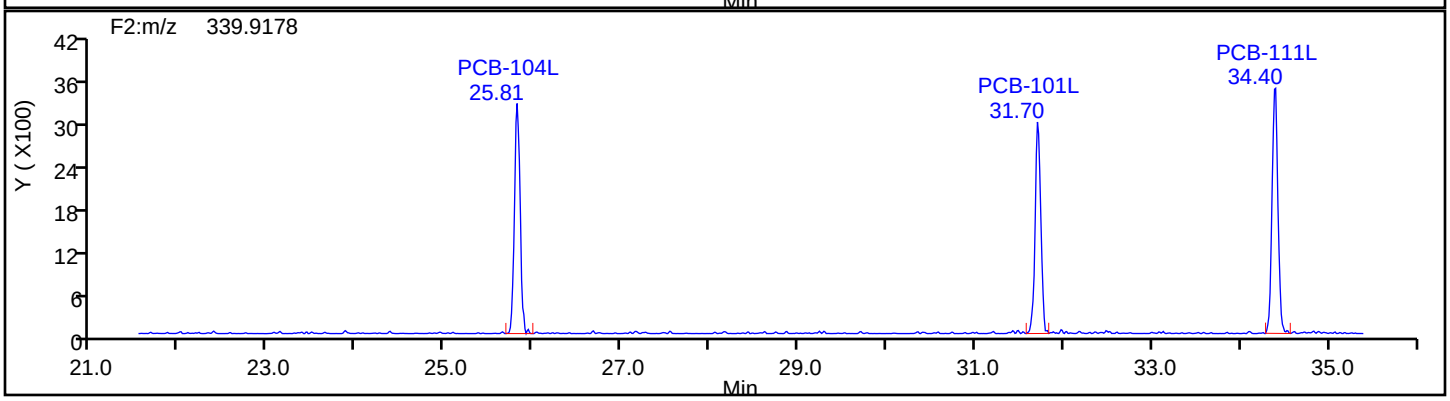
PePCB F2




PePCB F2 Standards

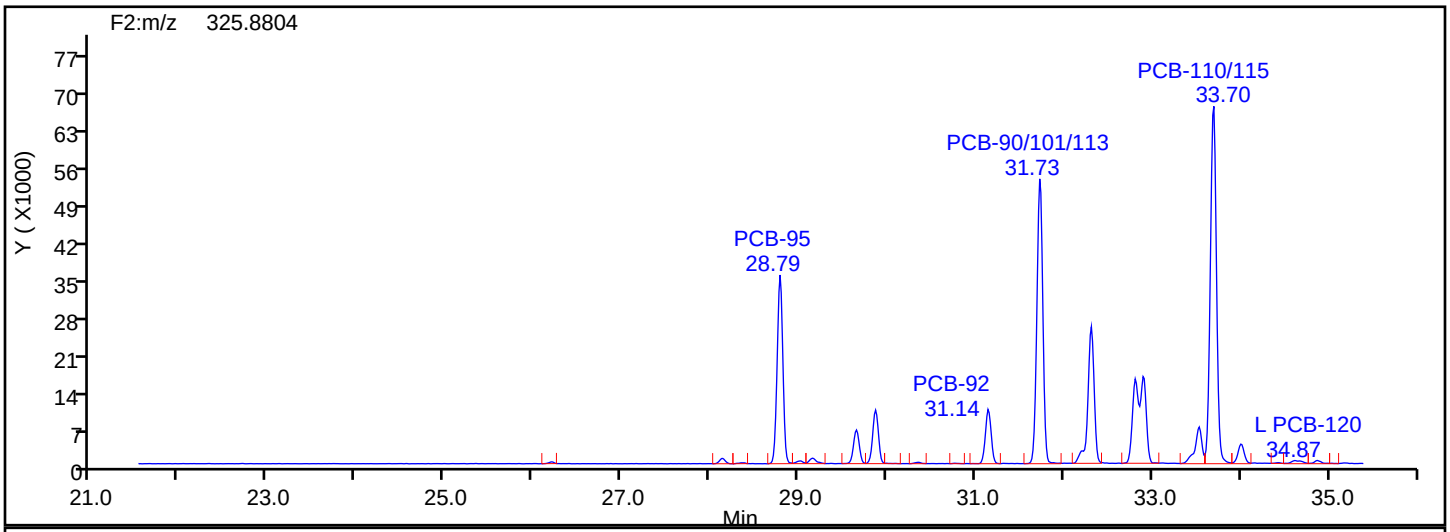


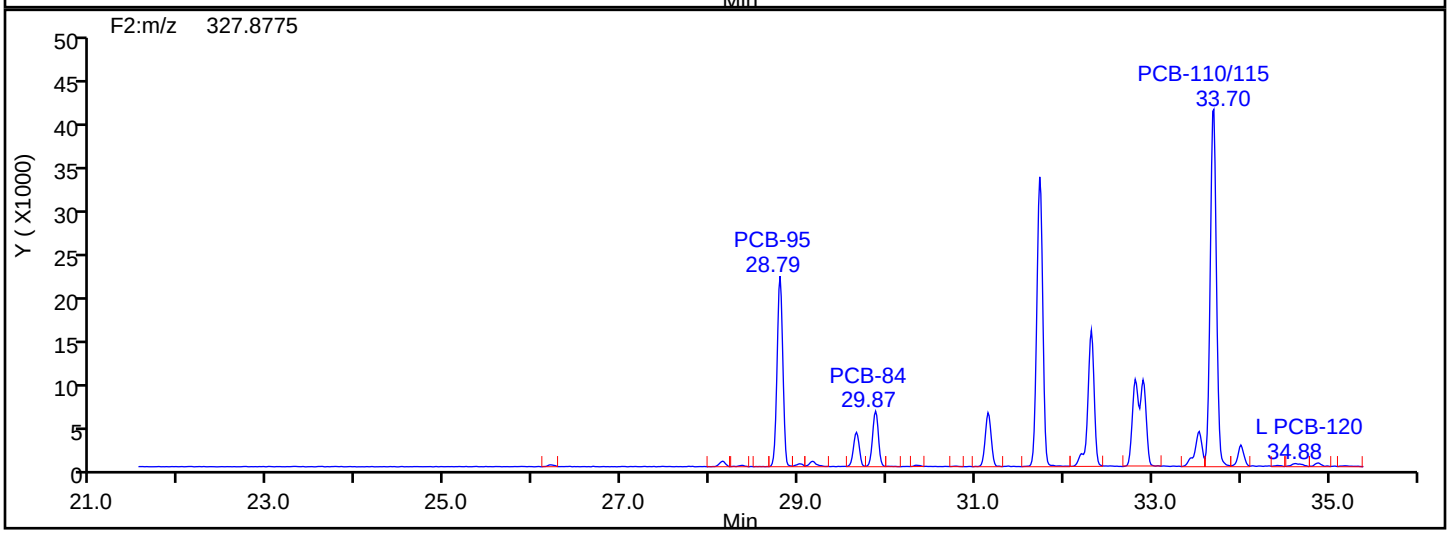



Eurofins TestAmerica, Knoxville

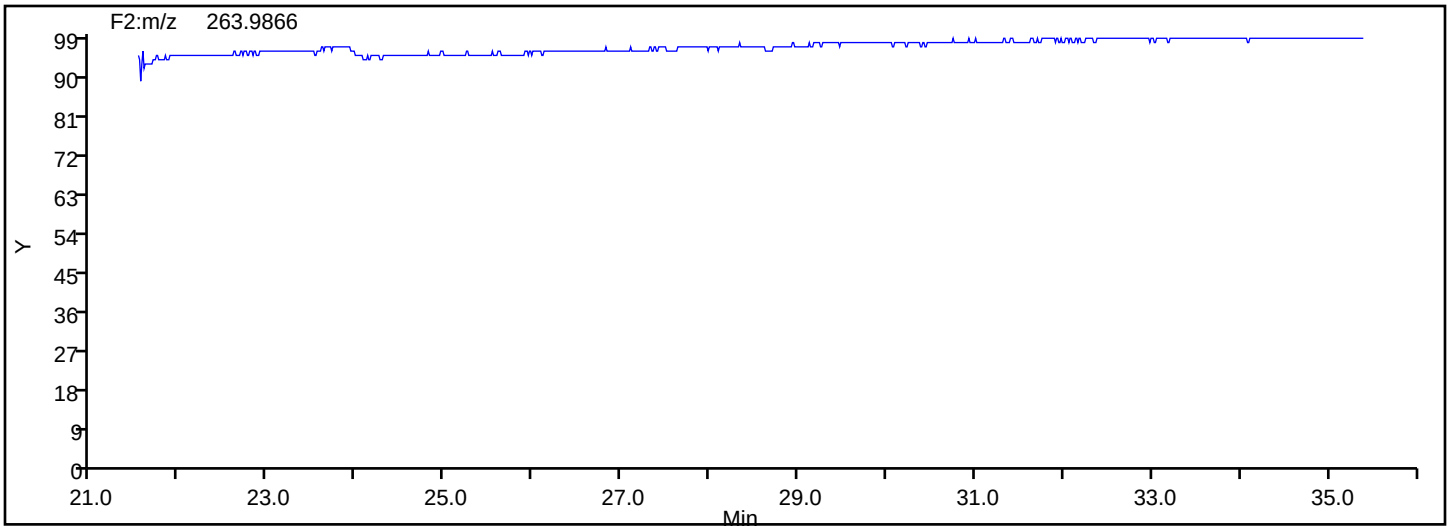
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

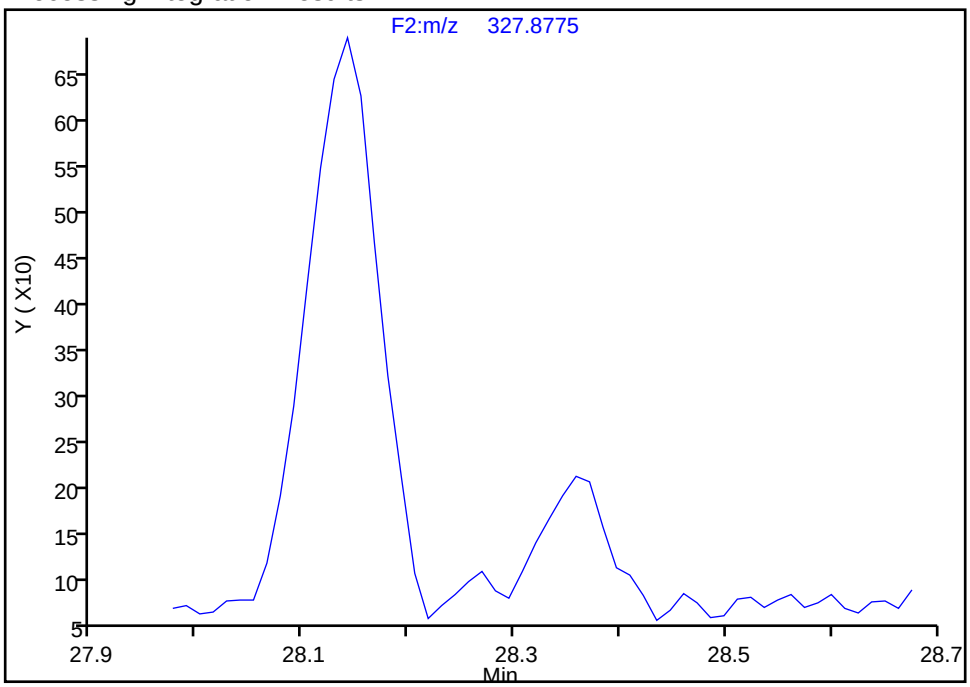
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 2

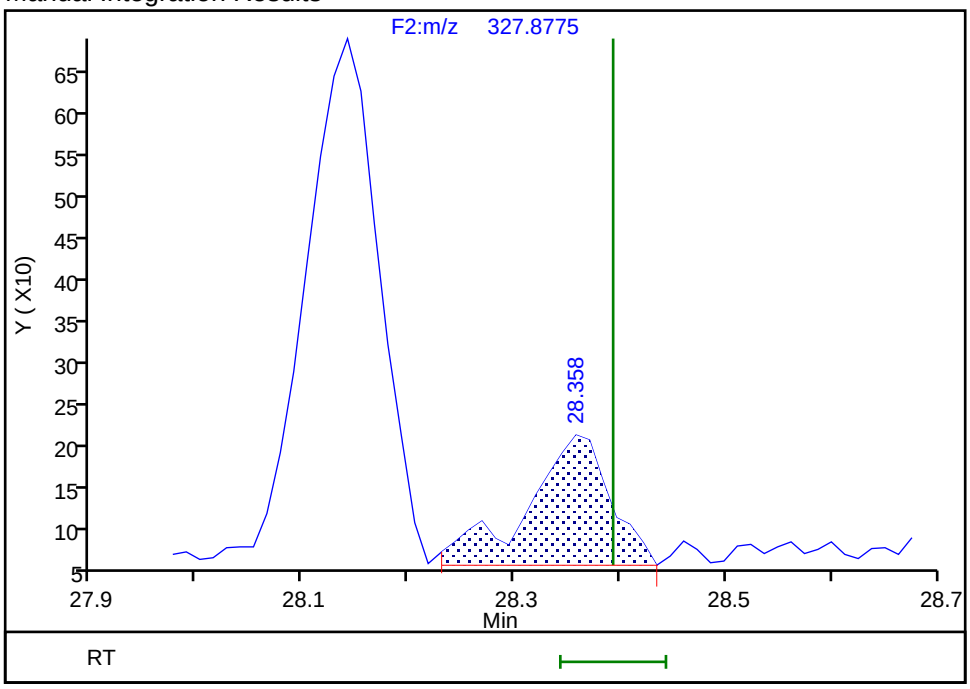
Not Detected
Expected RT: 28.39

Processing Integration Results




Manual Integration Results

RT: 28.36
Area: 846
Amount: 1.011915
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:09:46
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

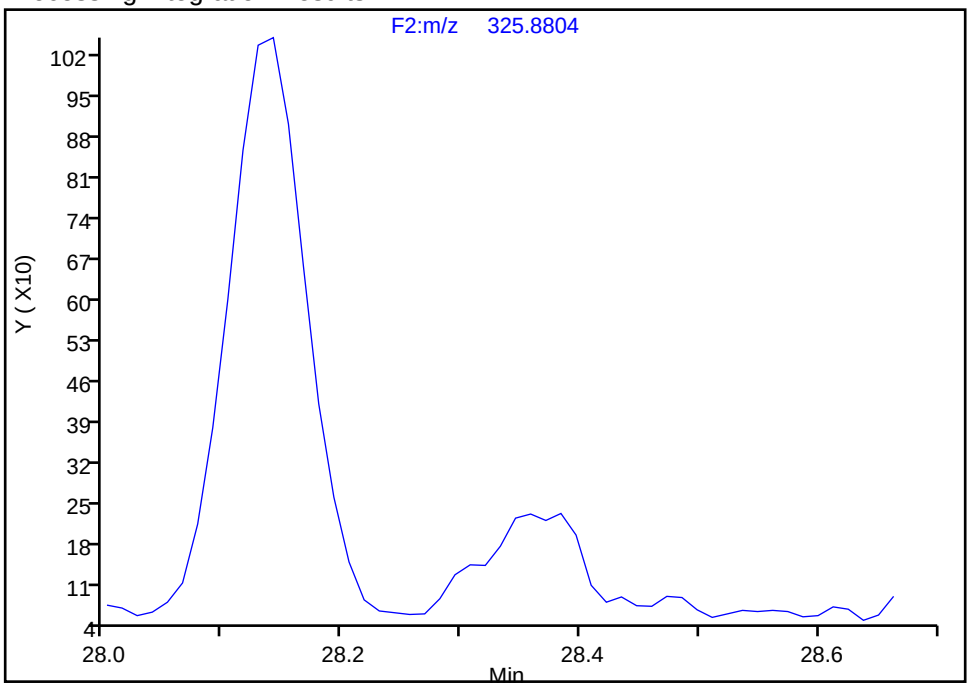
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 1

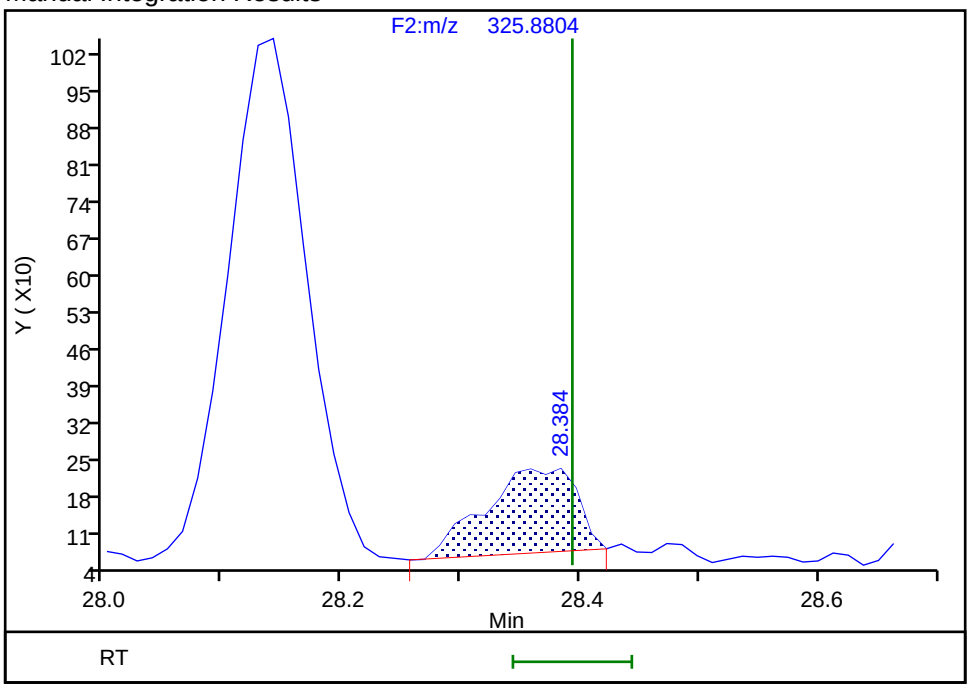
Not Detected
Expected RT: 28.39

Processing Integration Results




Manual Integration Results

RT: 28.38
Area: 849
Amount: 1.011915
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:09:59
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

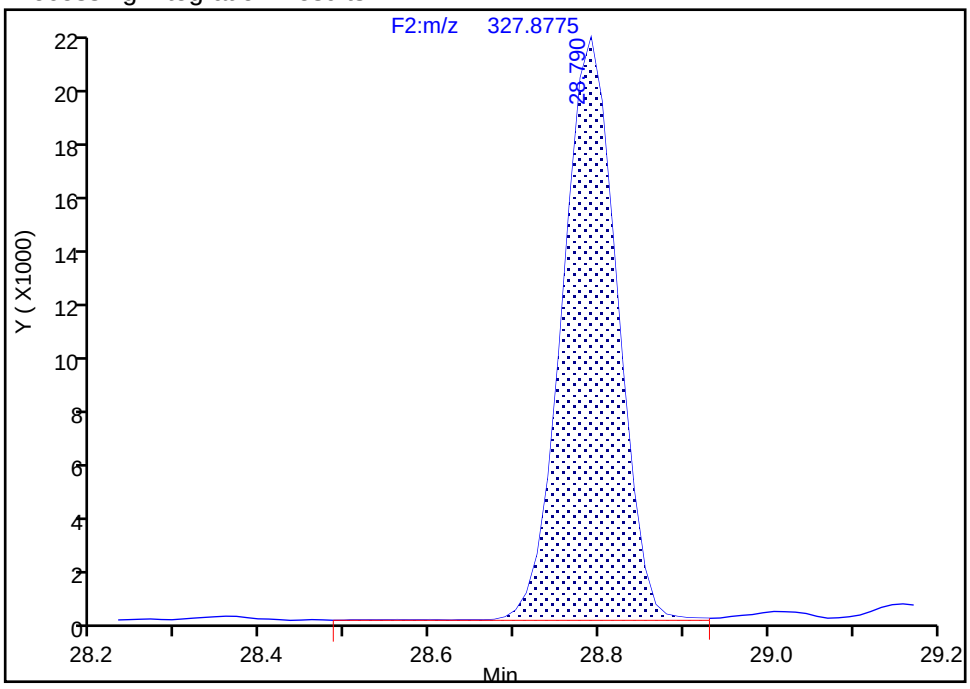
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-95, CAS: 38379-99-6

Signal: 2

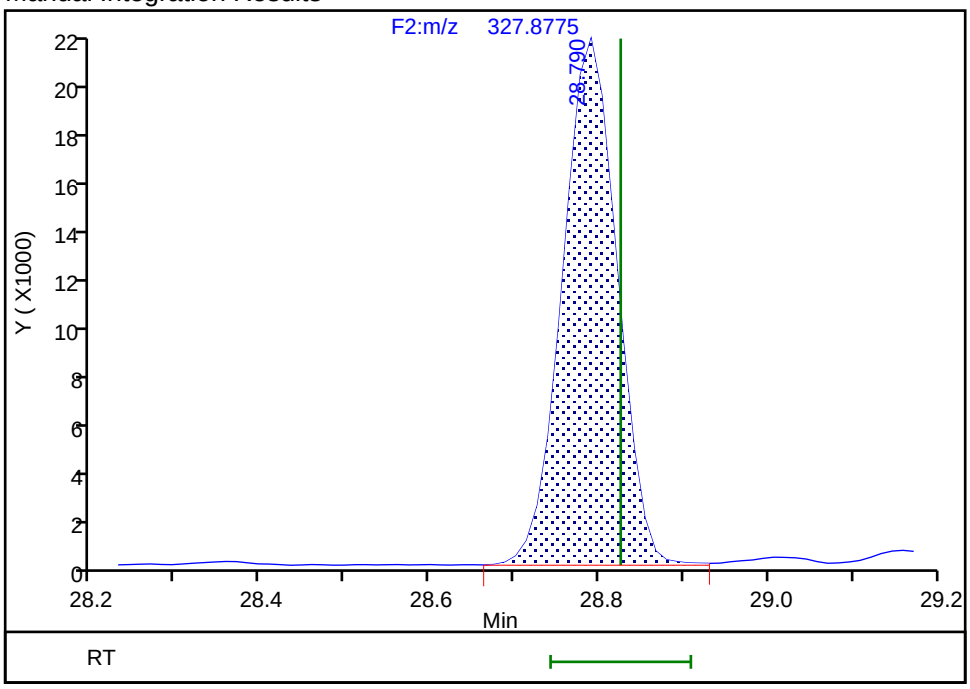
Processing Integration Results

RT: 28.79
Area: 98000
Amount: 143.2917
Amount Units: pg/ul




Manual Integration Results

RT: 28.79
Area: 97832
Amount: 143.1975
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:10:12

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

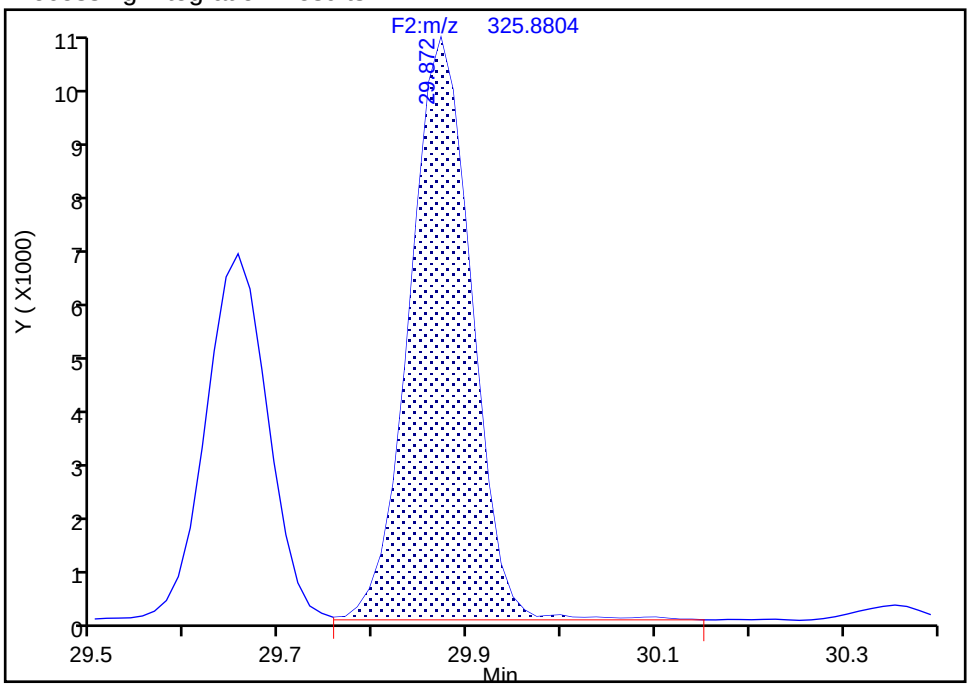
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-84, CAS: 52663-60-2

Signal: 1

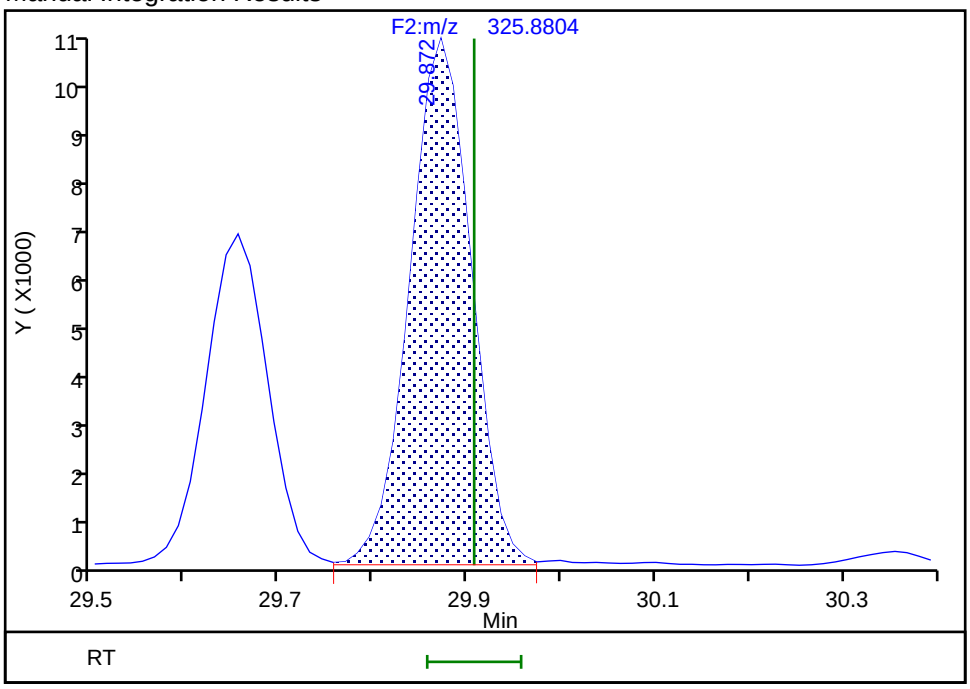
Processing Integration Results

RT: 29.87
Area: 45858
Amount: 47.382751
Amount Units: pg/ul




Manual Integration Results

RT: 29.87
Area: 45455
Amount: 46.923650
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:10:22

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

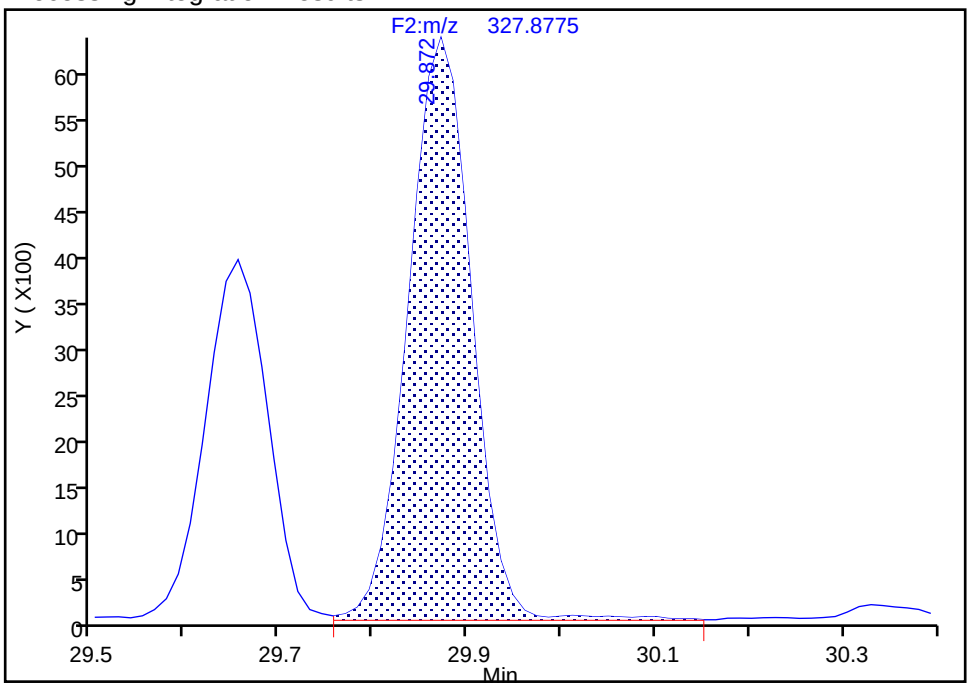
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-84, CAS: 52663-60-2

Signal: 2

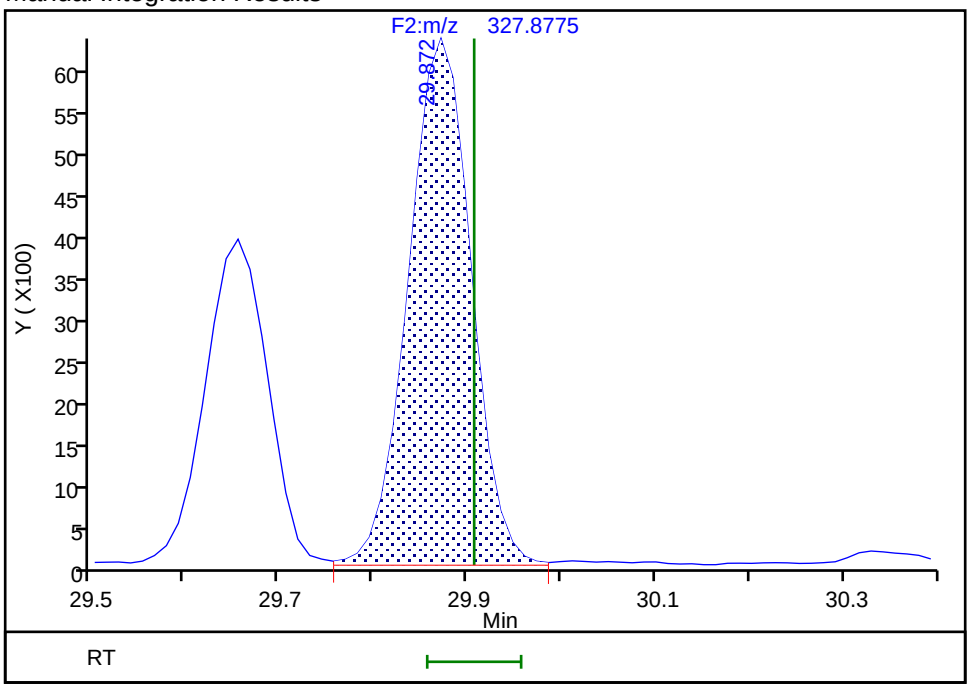
Processing Integration Results

RT: 29.87
Area: 29690
Amount: 47.382751
Amount Units: pg/ul




Manual Integration Results

RT: 29.87
Area: 29361
Amount: 46.923650
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:10:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

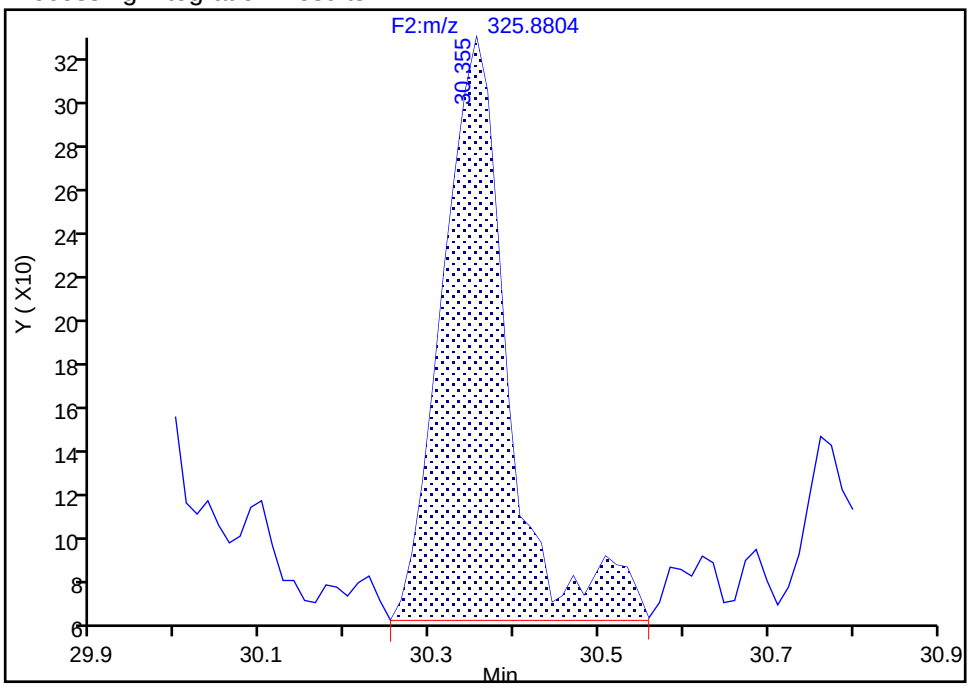
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 1

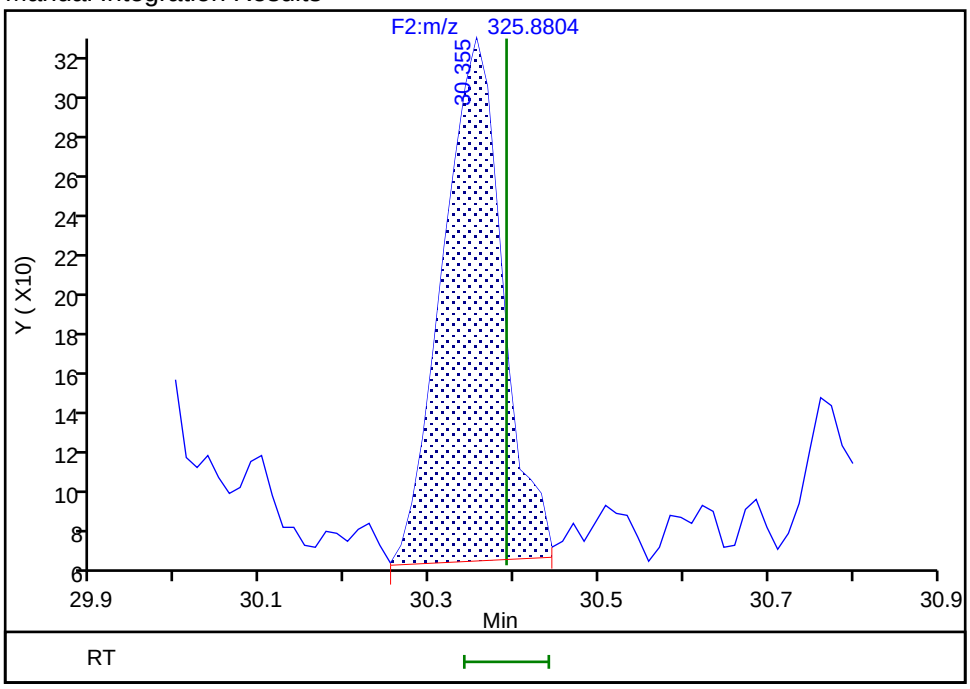
Processing Integration Results

RT: 30.36
Area: 1426
Amount: 1.653574
Amount Units: pg/ul




Manual Integration Results

RT: 30.36
Area: 1294
Amount: 1.219503
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:46:36

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

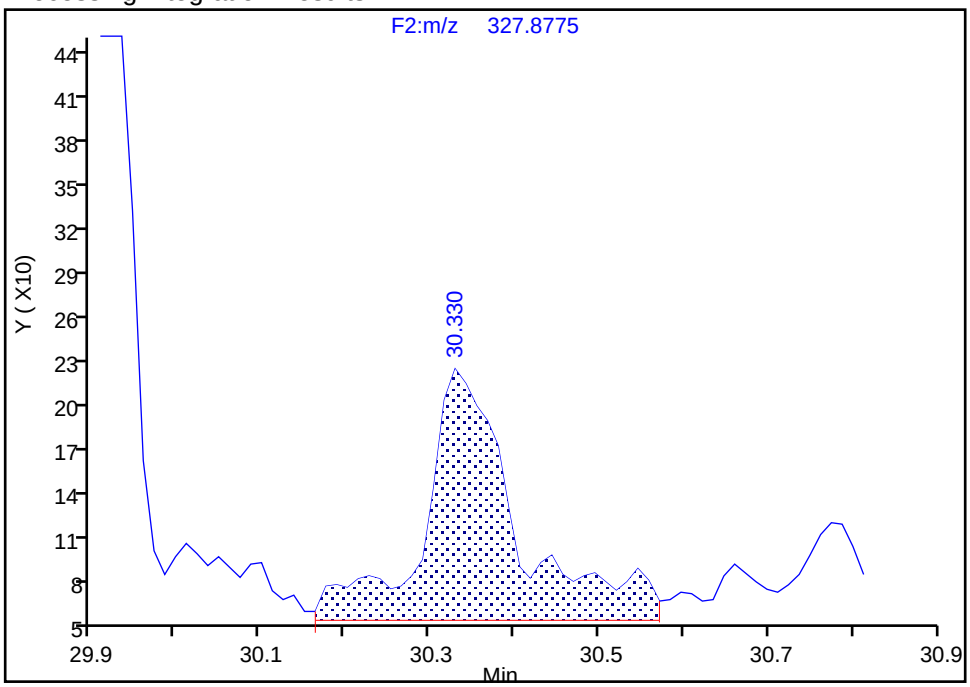
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 2

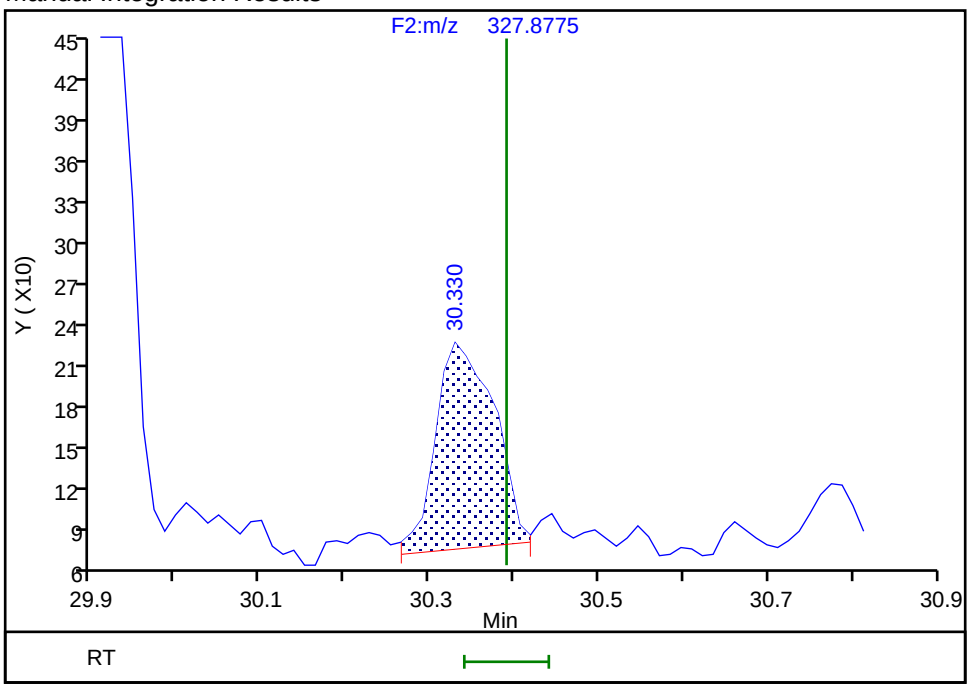
Processing Integration Results

RT: 30.33
Area: 1313
Amount: 1.653574
Amount Units: pg/ul




Manual Integration Results

RT: 30.33
Area: 726
Amount: 1.219503
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:46:40
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

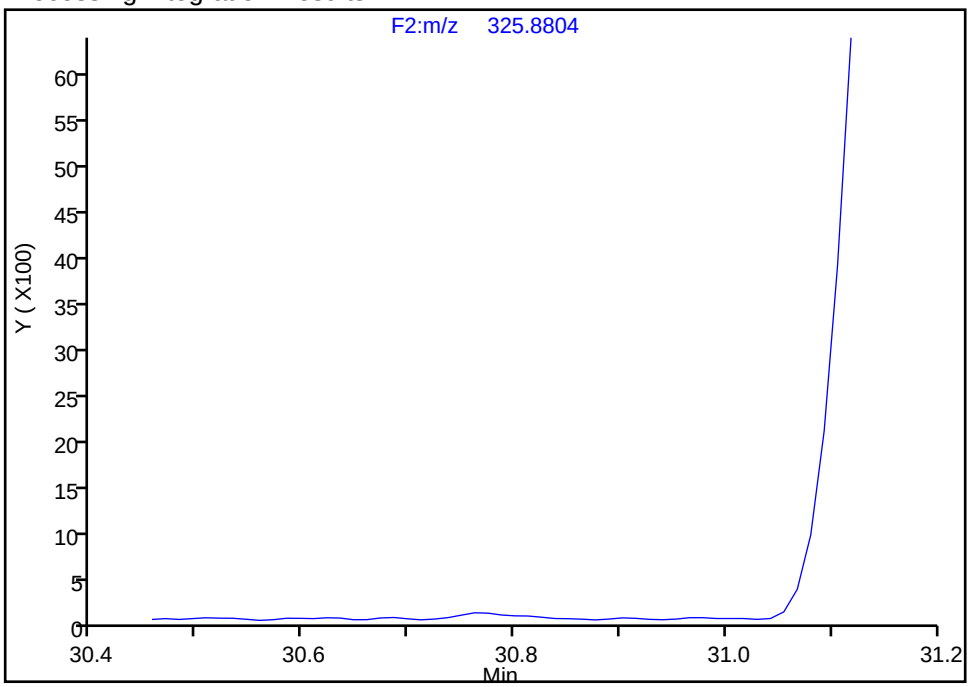
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-121, CAS: 56558-18-0

Signal: 1

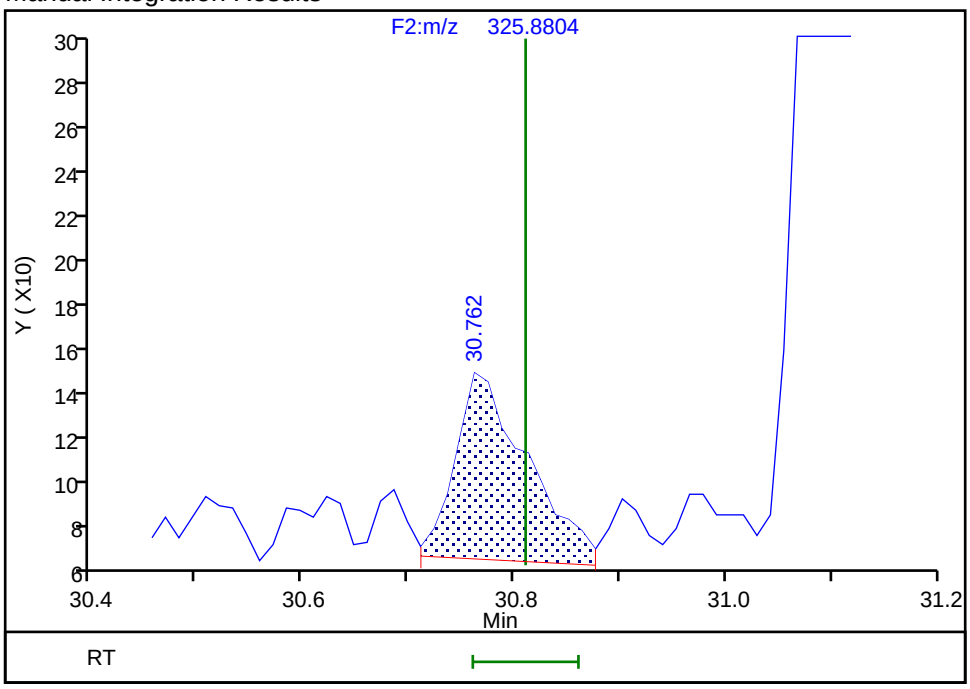
Not Detected
Expected RT: 30.81

Processing Integration Results




Manual Integration Results

RT: 30.76
Area: 383
Amount: 0.254456
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:46:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

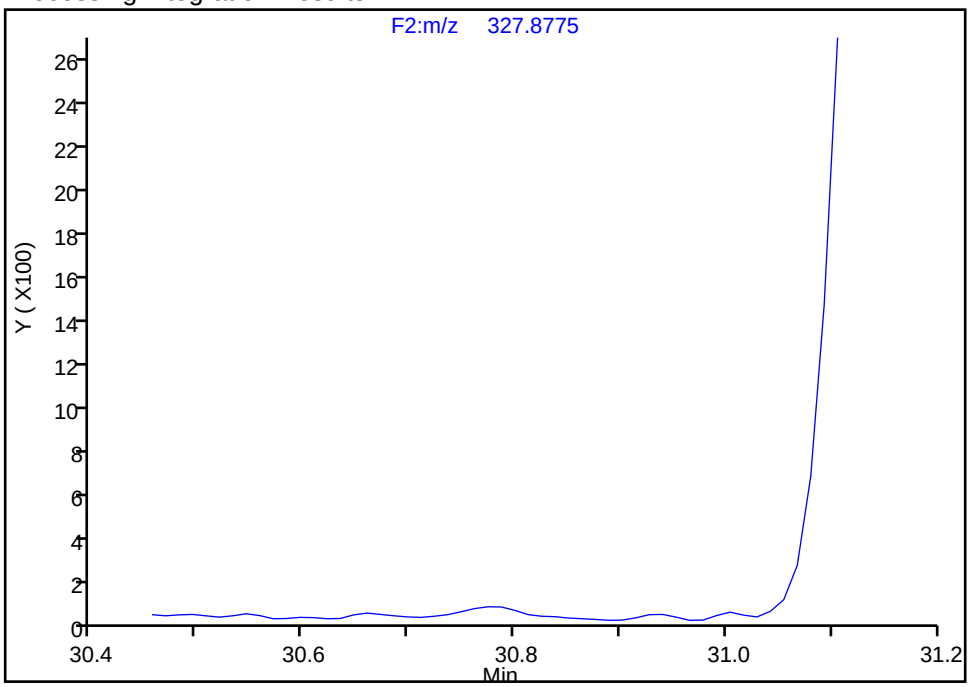
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-121, CAS: 56558-18-0

Signal: 2

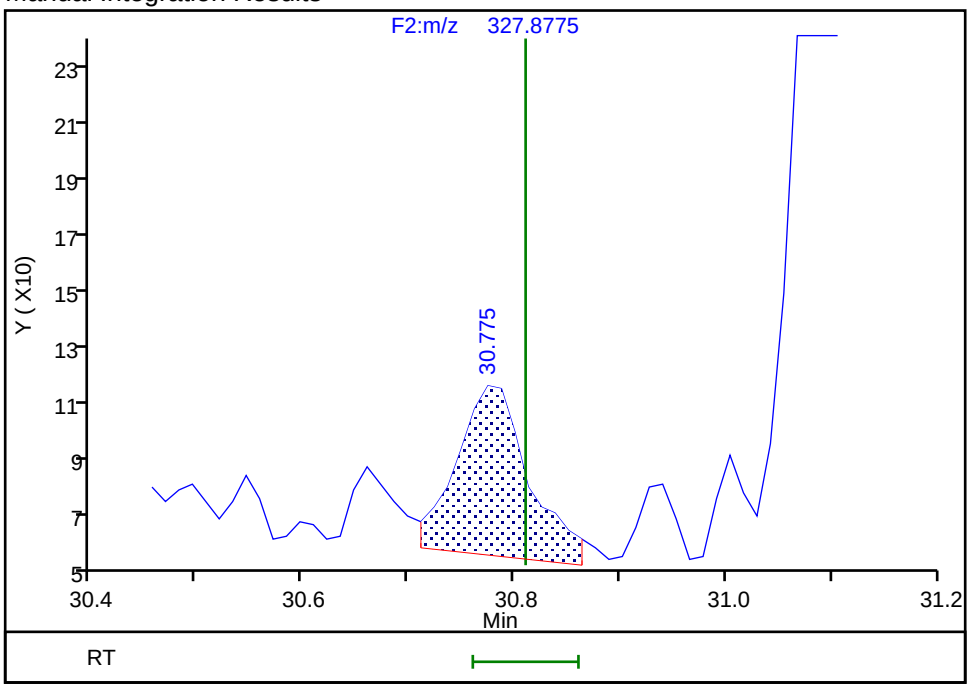
Processing Integration Results

Not Detected
Expected RT: 30.81




Manual Integration Results

RT: 30.77
Area: 276
Amount: 0.254456
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:46:55
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

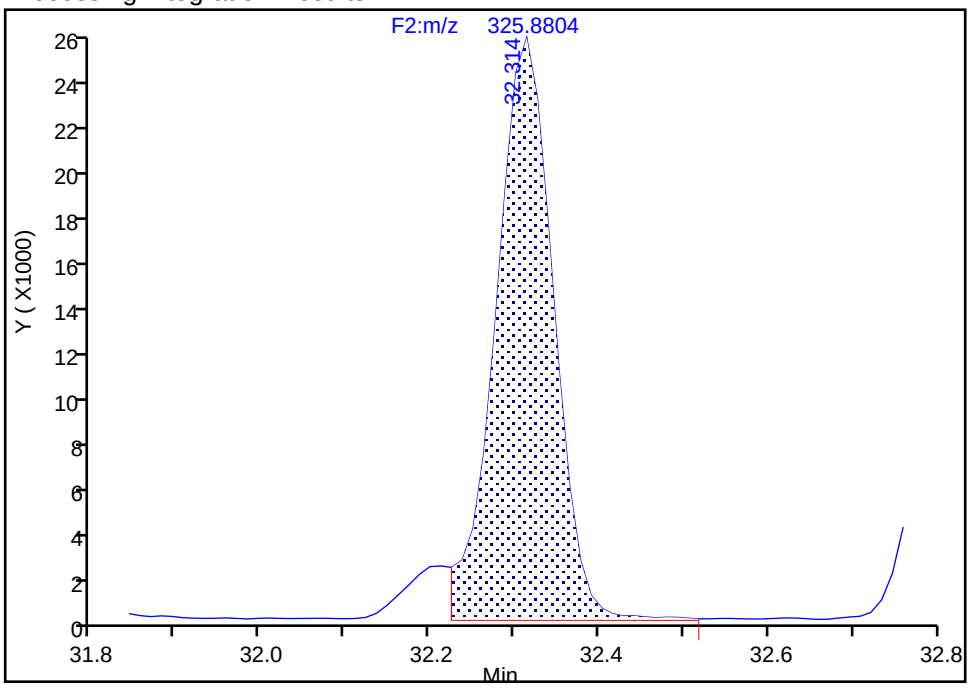
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

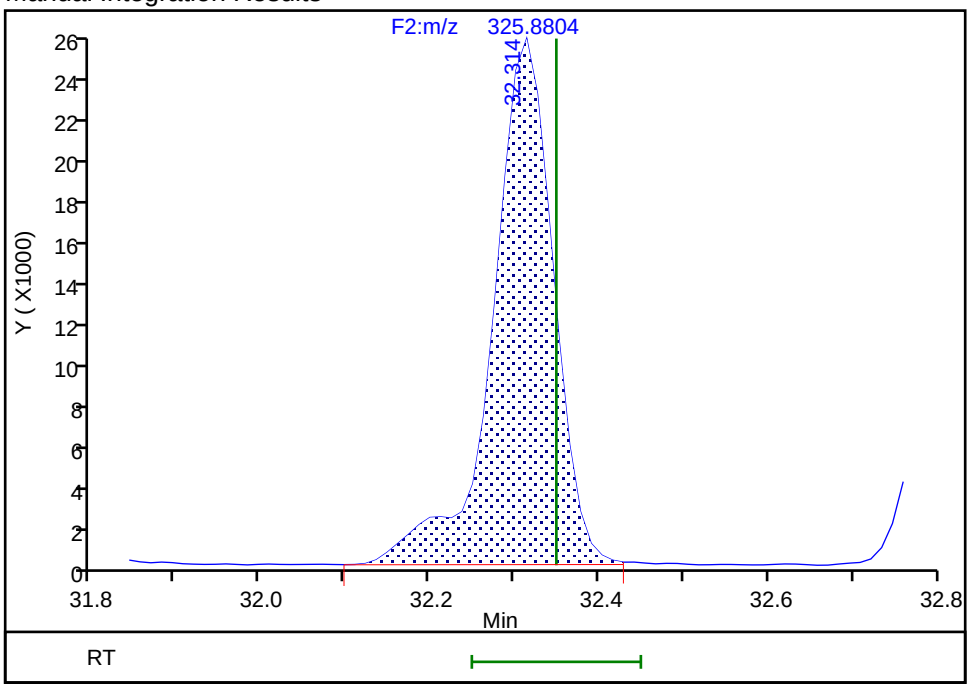
Processing Integration Results

RT: 32.31
Area: 121552
Amount: 112.7018
Amount Units: pg/ul




Manual Integration Results

RT: 32.31
Area: 128342
Amount: 119.0250
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:47:10

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

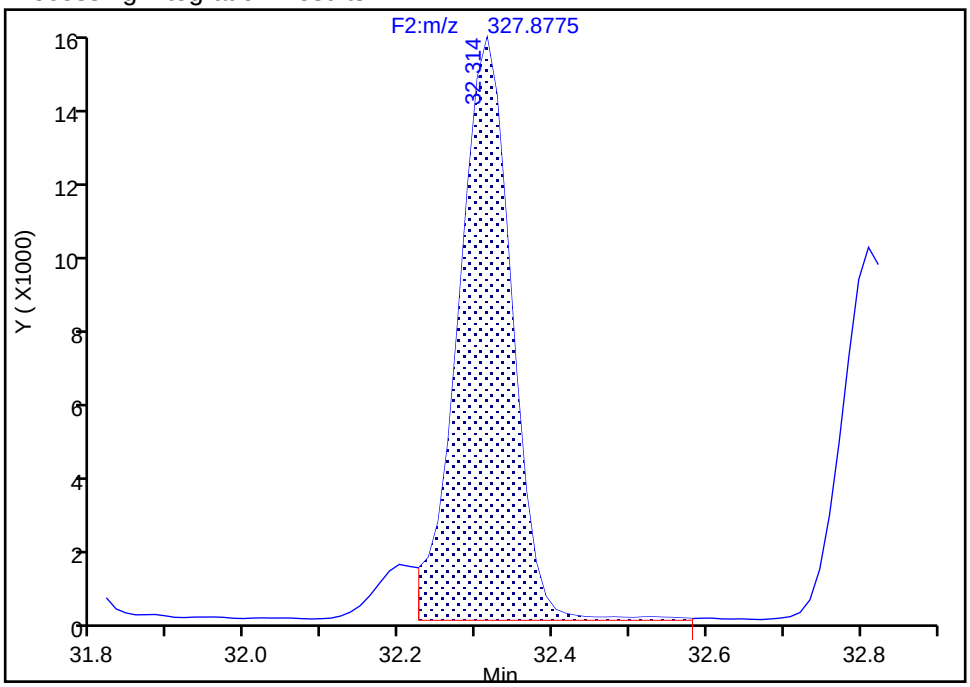
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

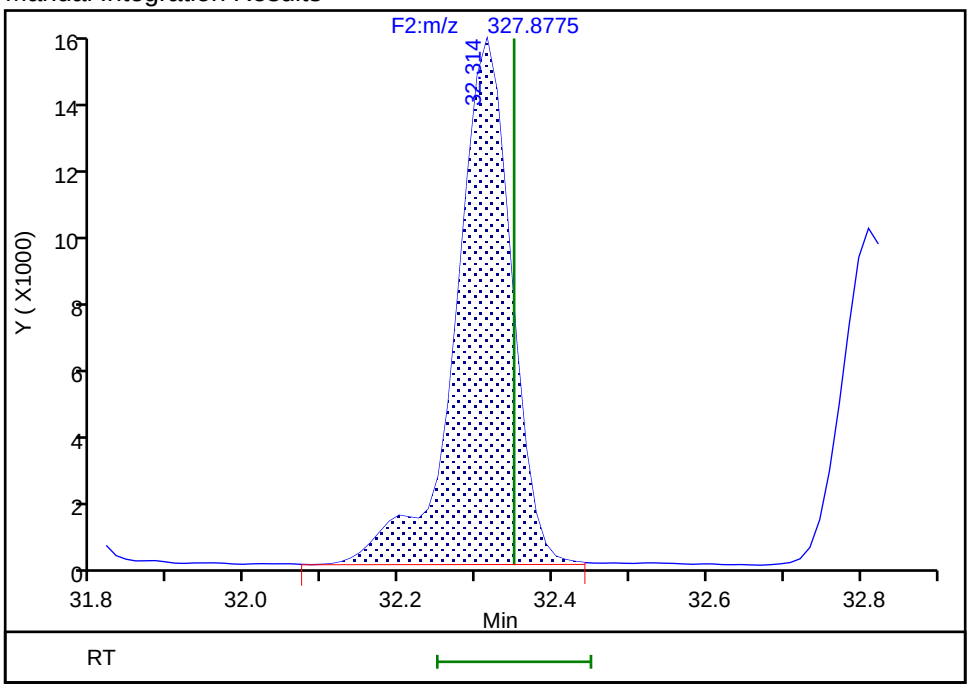
Processing Integration Results

RT: 32.31
Area: 74687
Amount: 112.7018
Amount Units: pg/ul




Manual Integration Results

RT: 32.31
Area: 78907
Amount: 119.0250
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:47:15

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

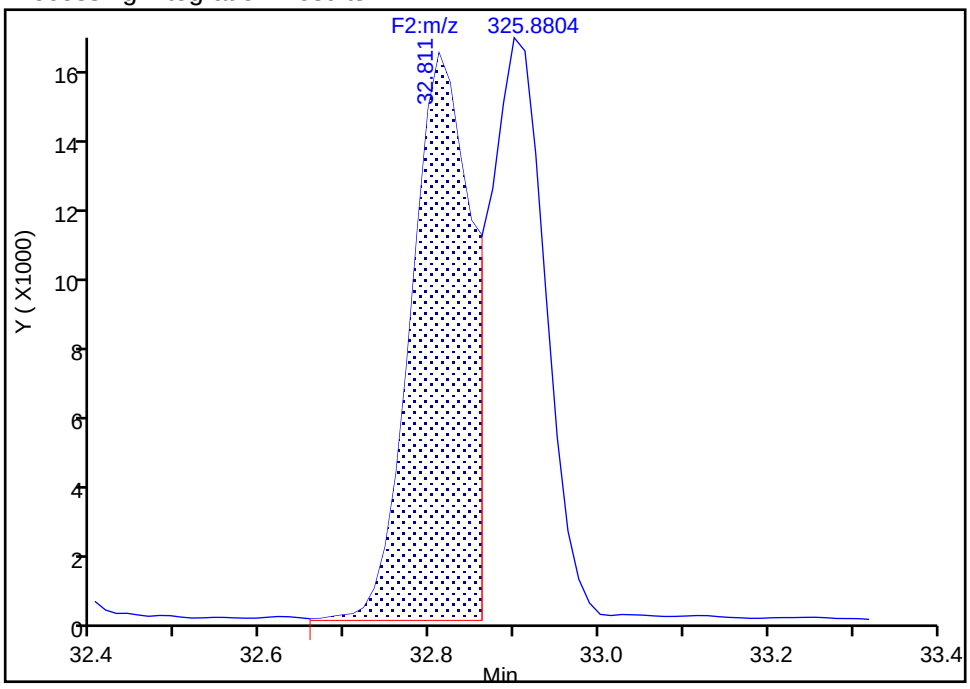
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

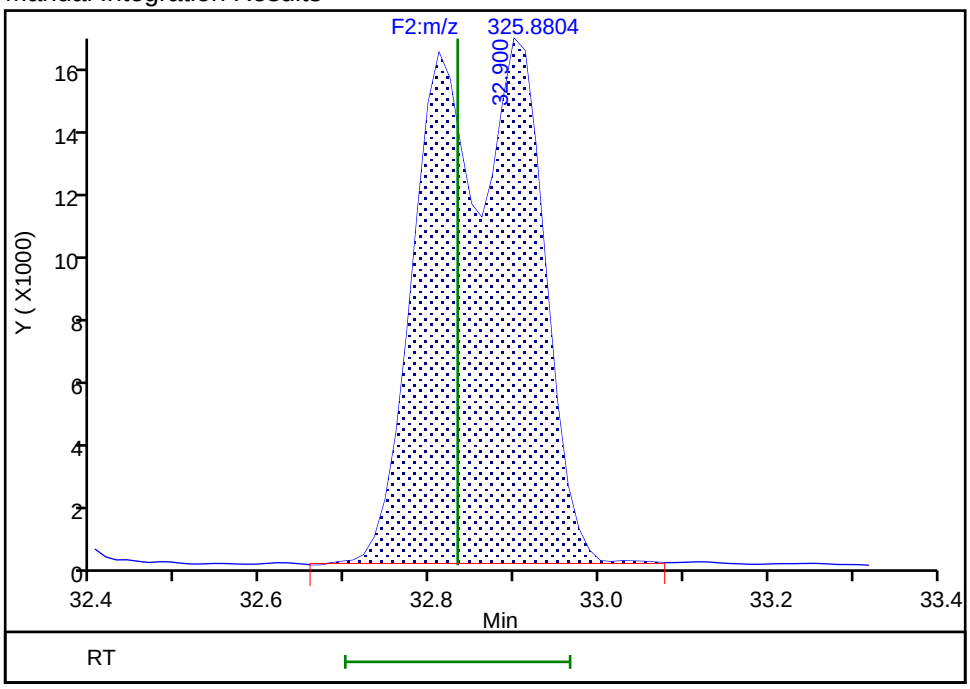
Processing Integration Results

RT: 32.81
Area: 76861
Amount: 56.746765
Amount Units: pg/ul




Manual Integration Results

RT: 32.90
Area: 148151
Amount: 108.1173
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:12:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

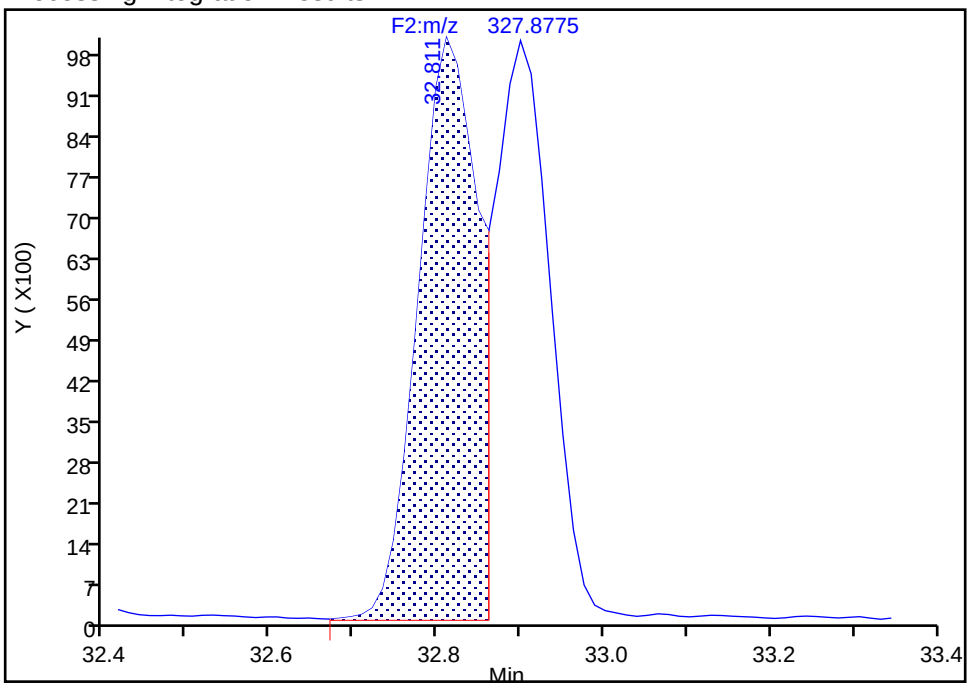
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

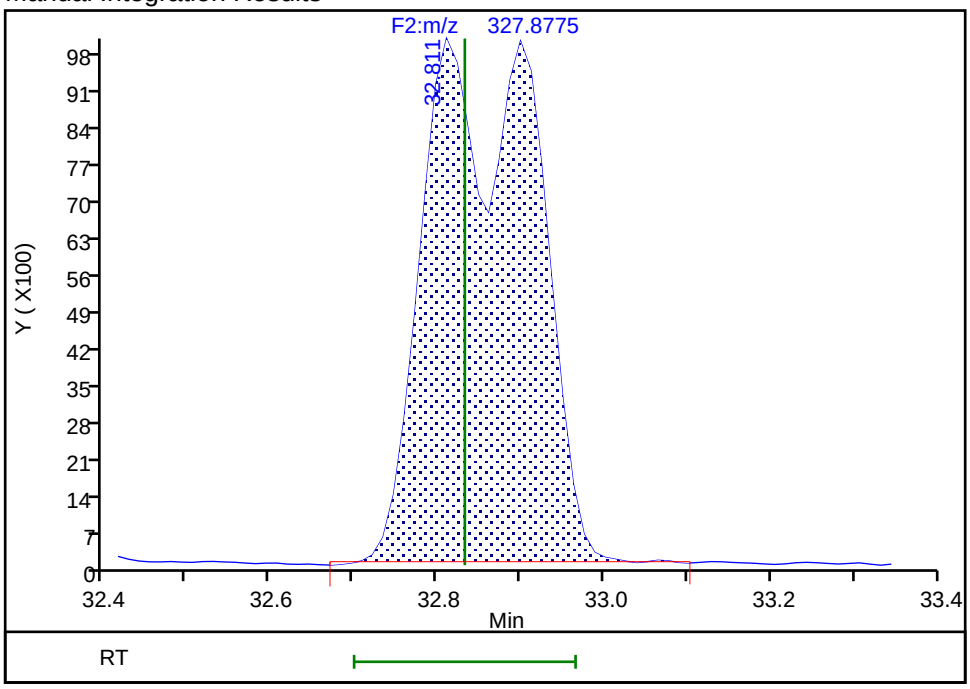
Processing Integration Results

RT: 32.81
Area: 48925
Amount: 56.746765
Amount Units: pg/ul




Manual Integration Results

RT: 32.81
Area: 91504
Amount: 108.1173
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:12:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

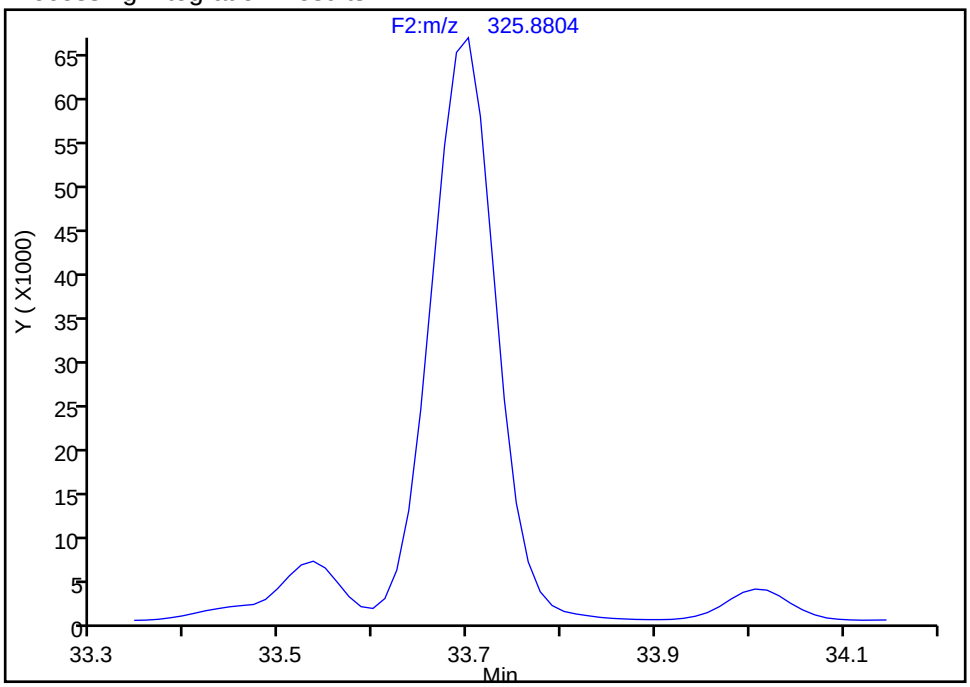
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

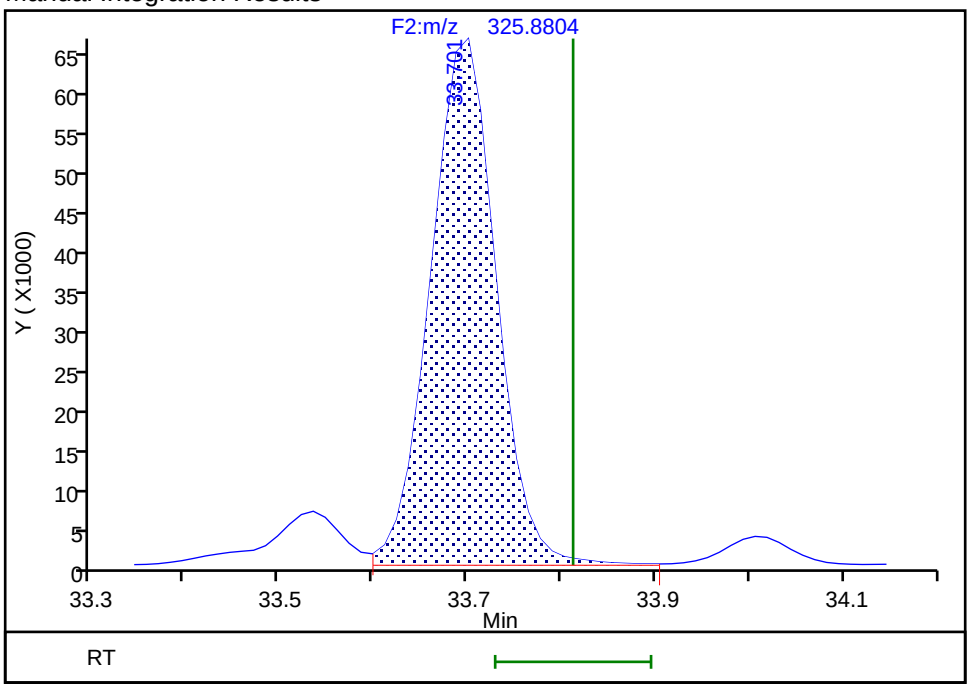
Not Detected
Expected RT: 33.81

Processing Integration Results




Manual Integration Results

RT: 33.70
Area: 325155
Amount: 209.8275
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:12:59
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

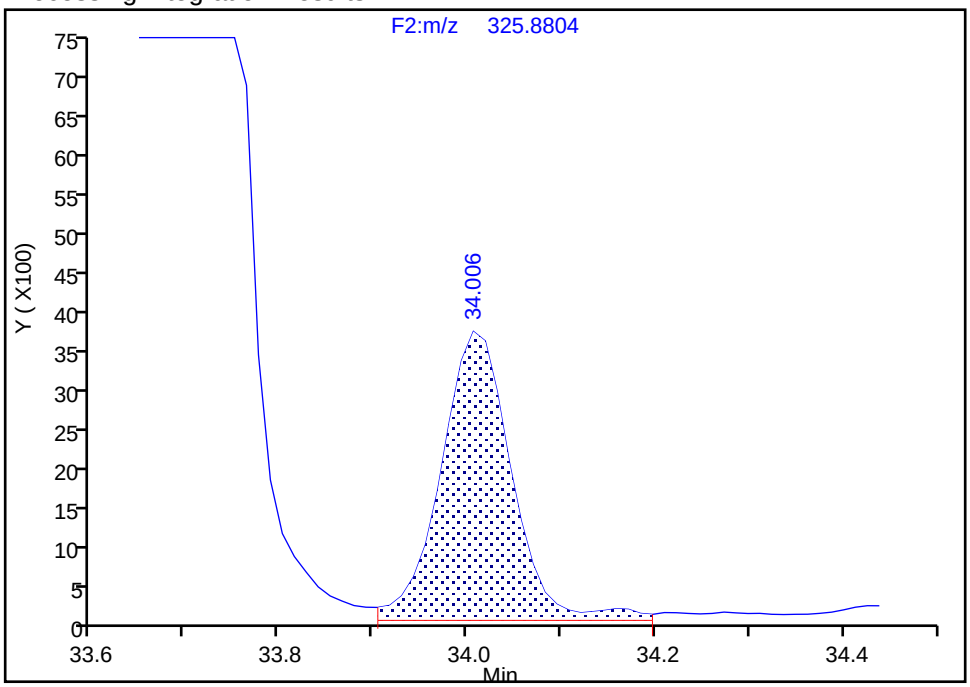
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-82, CAS: 52663-62-4

Signal: 1

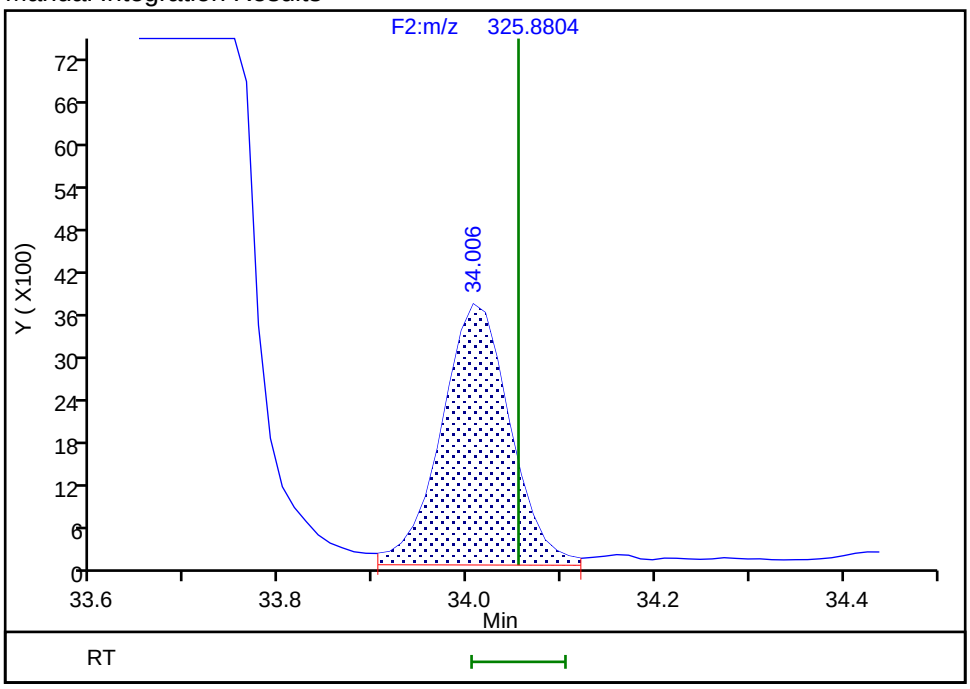
Processing Integration Results

RT: 34.01
Area: 19144
Amount: 19.725895
Amount Units: pg/ul




Manual Integration Results

RT: 34.01
Area: 18579
Amount: 18.969718
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:47:29

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

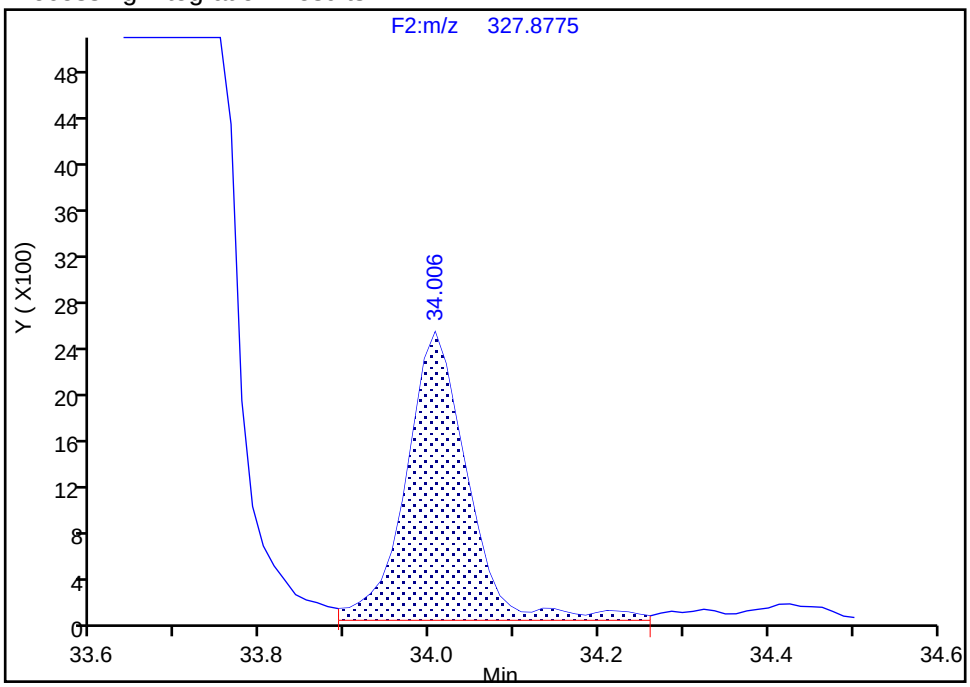
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-82, CAS: 52663-62-4

Signal: 2

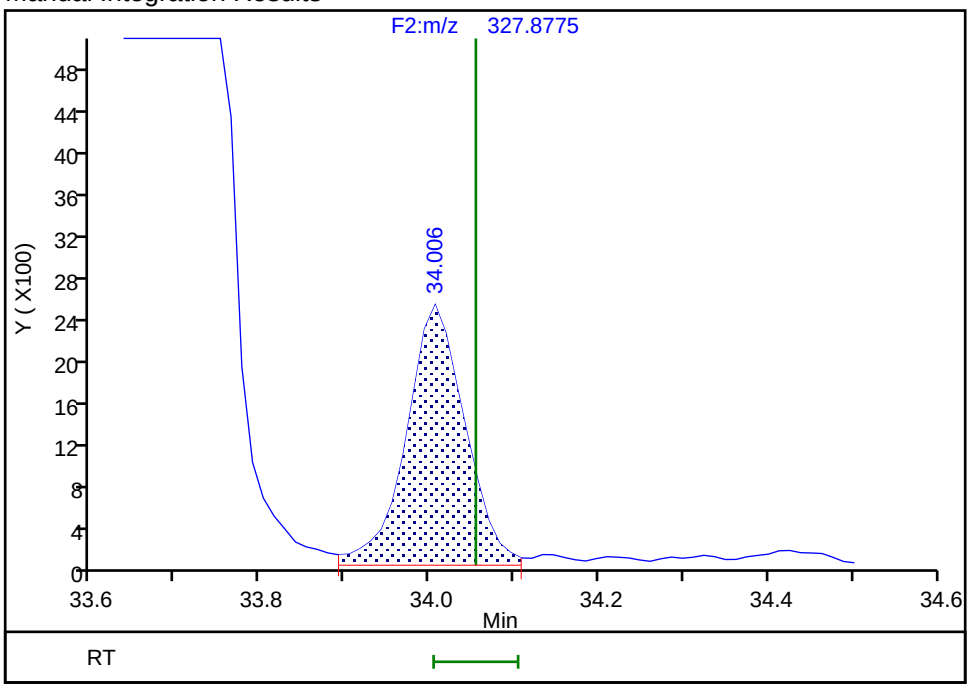
Processing Integration Results

RT: 34.01
Area: 12577
Amount: 19.725895
Amount Units: pg/ul




Manual Integration Results

RT: 34.01
Area: 11926
Amount: 18.969718
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:47:33
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

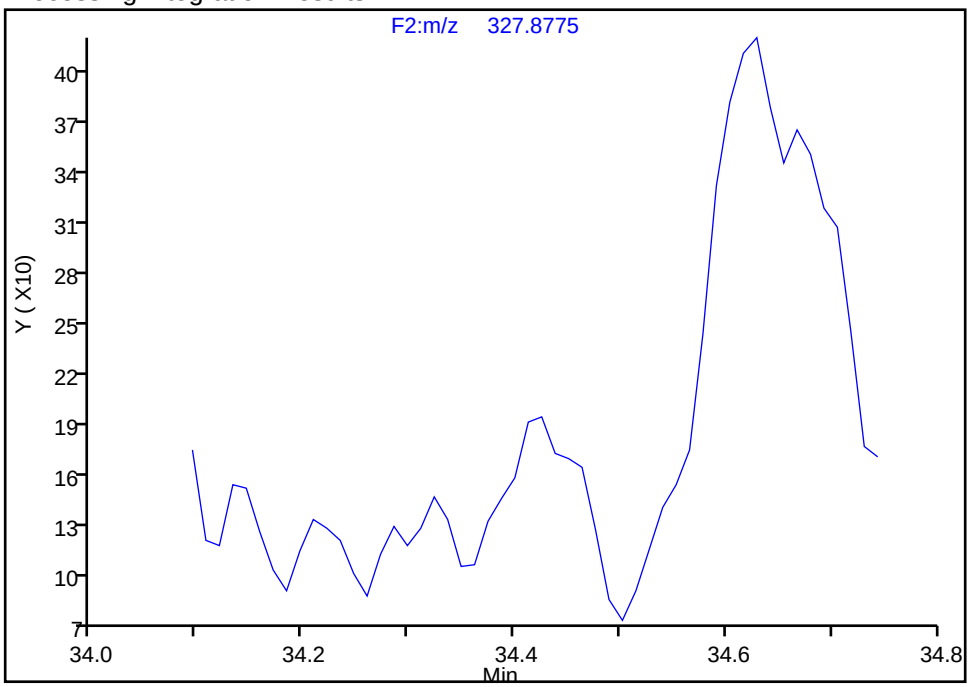
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-111, CAS: 39635-32-0

Signal: 2

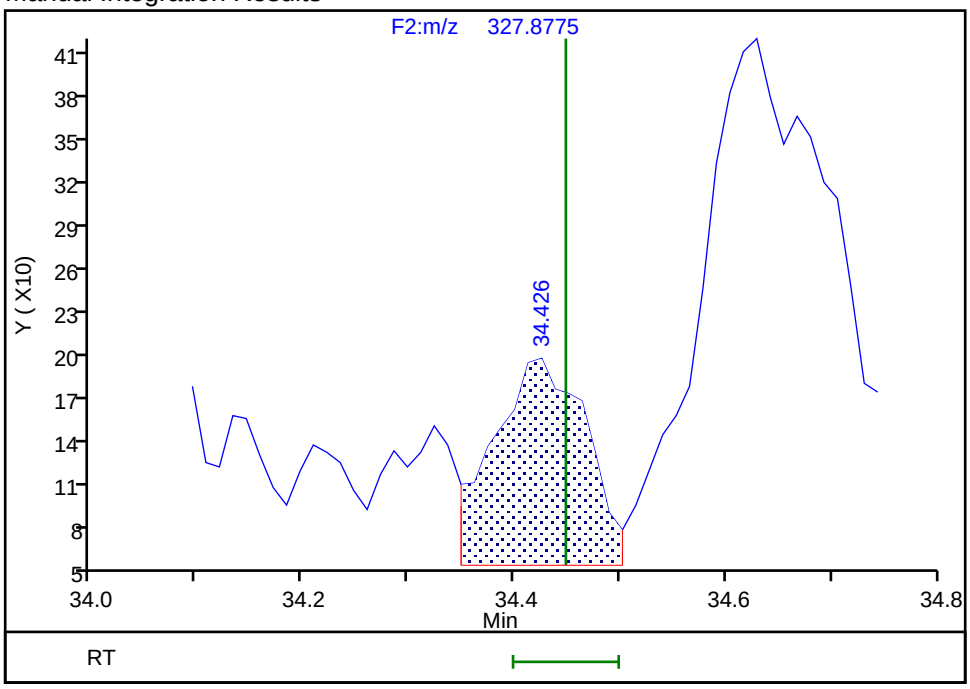
Not Detected
Expected RT: 34.45

Processing Integration Results




Manual Integration Results

RT: 34.43
Area: 852
Amount: 0.535239
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:23:57
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

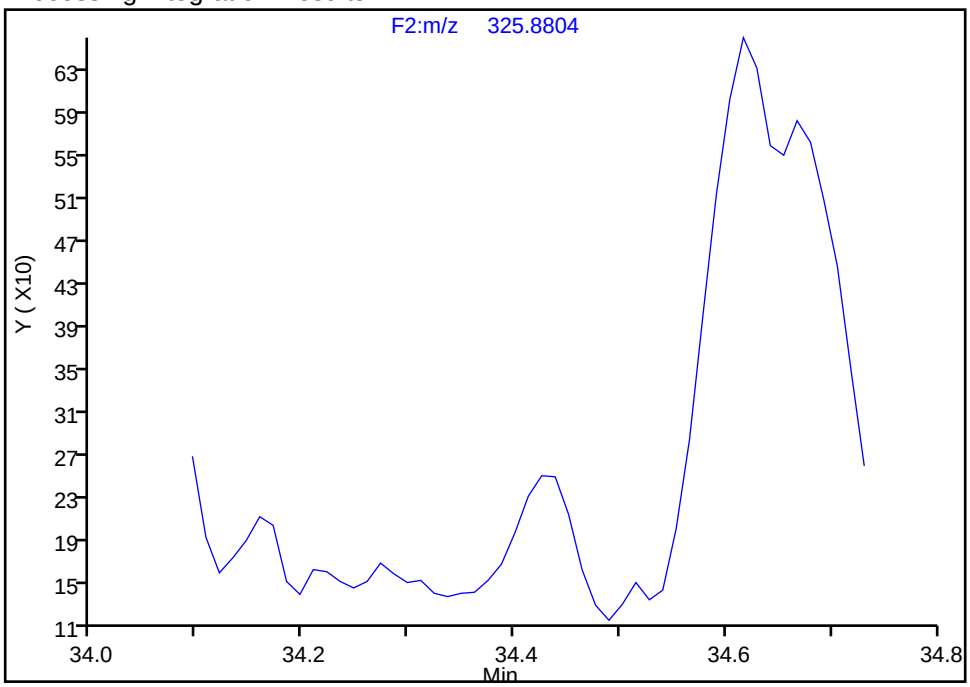
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-111, CAS: 39635-32-0

Signal: 1

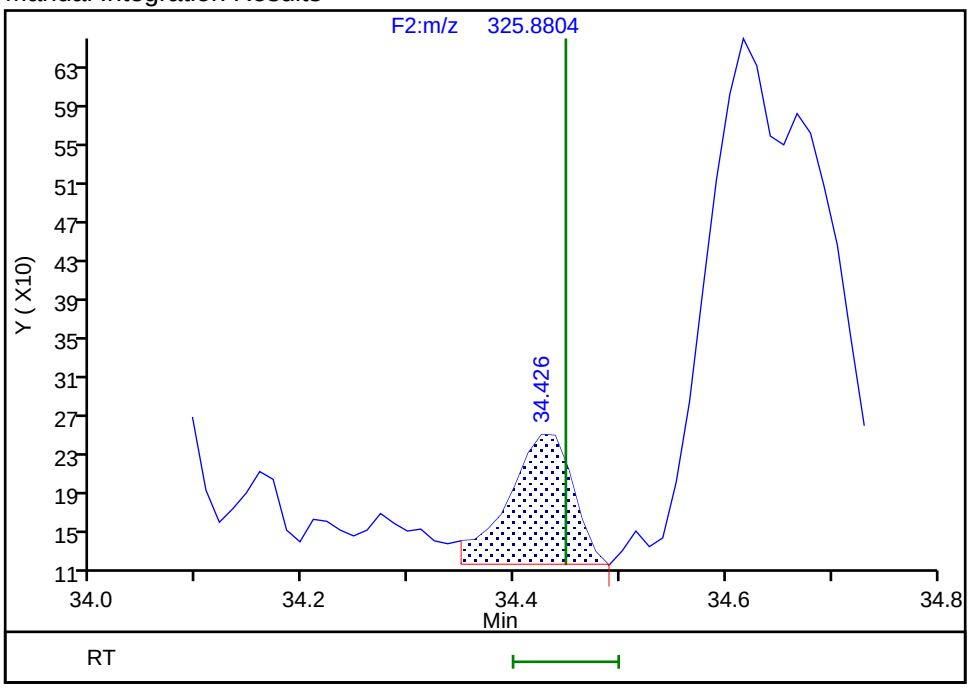
Not Detected
Expected RT: 34.45

Processing Integration Results




Manual Integration Results

RT: 34.43
Area: 563
Amount: 0.535239
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:28:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

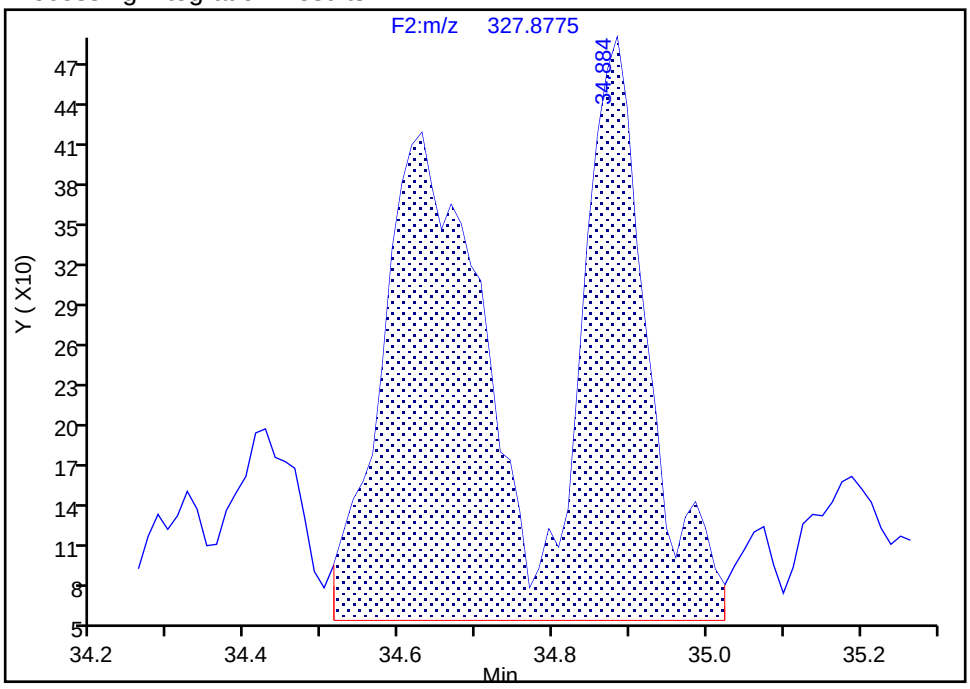
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-120, CAS: 68194-12-7

Signal: 2

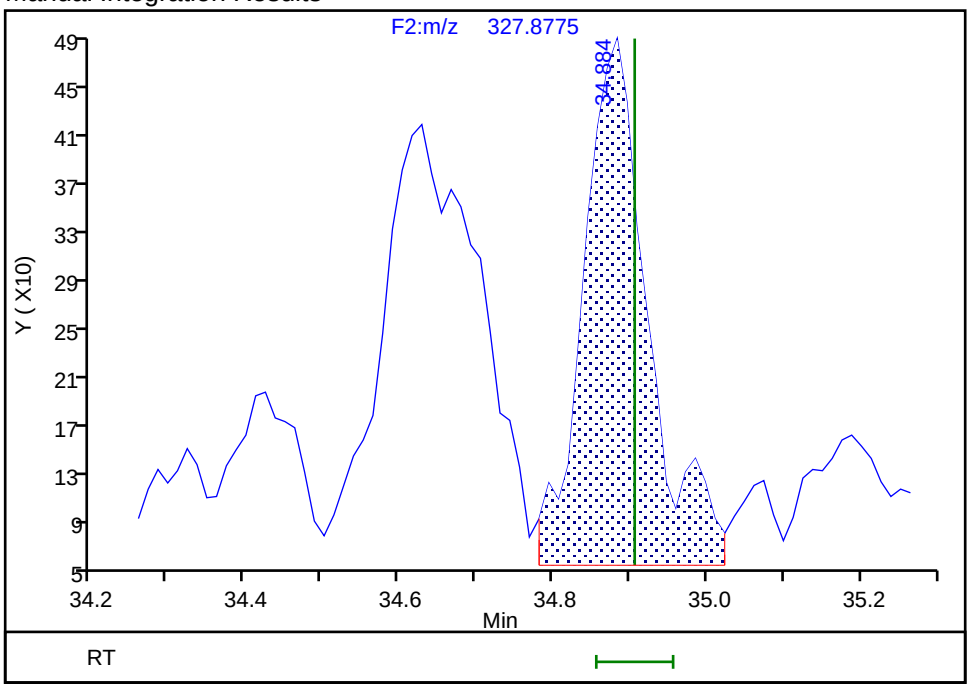
Processing Integration Results

RT: 34.88
Area: 5676
Amount: 5.265611
Amount Units: pg/ul




Manual Integration Results

RT: 34.88
Area: 2500
Amount: 2.138307
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:29:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

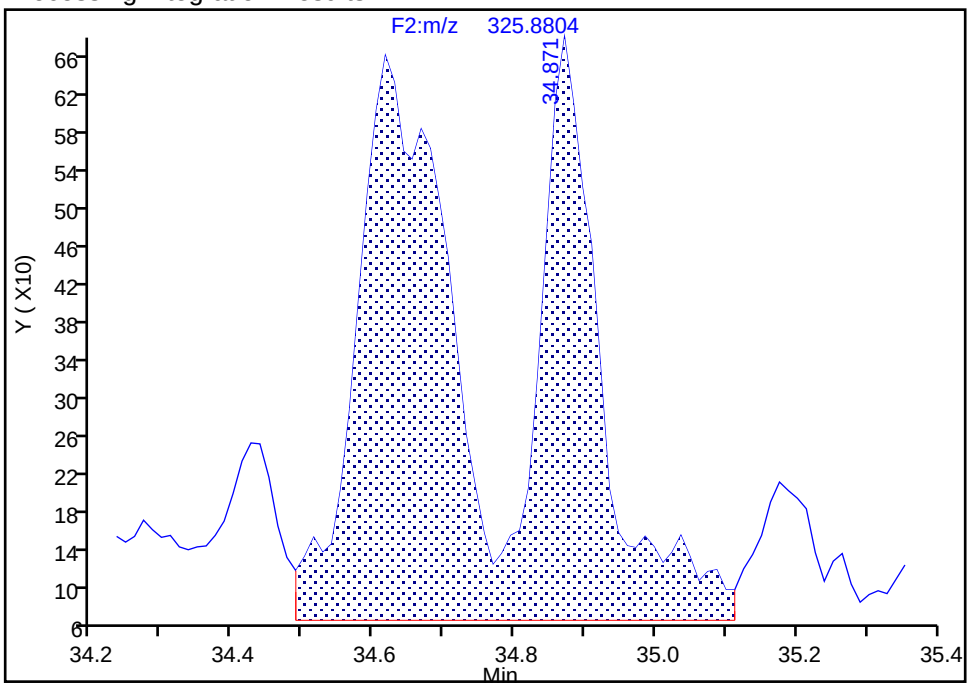
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-120, CAS: 68194-12-7

Signal: 1

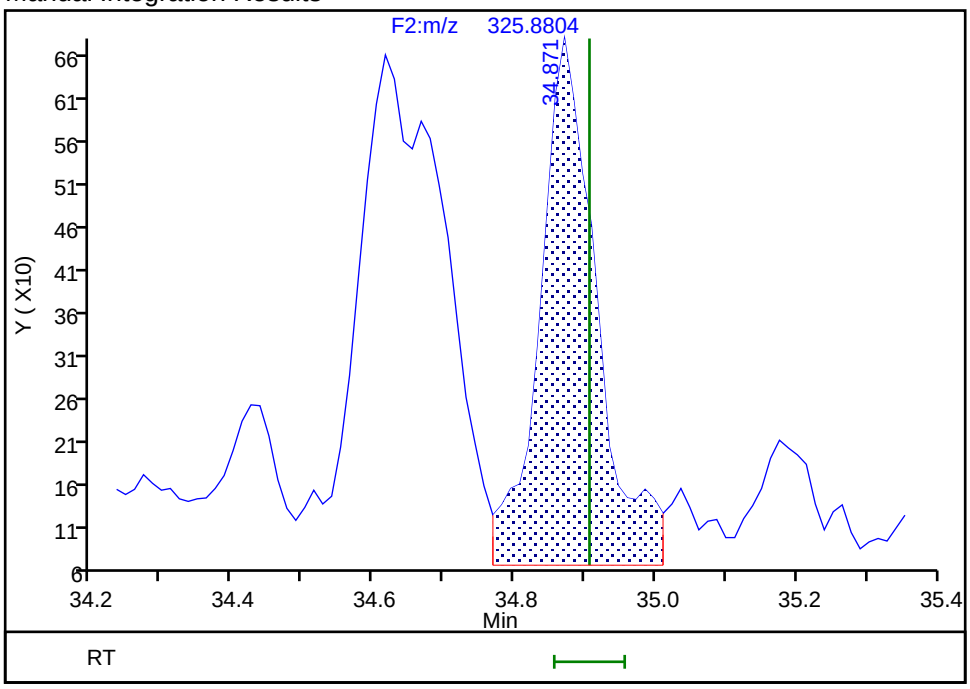
Processing Integration Results

RT: 34.87
Area: 8875
Amount: 5.265611
Amount Units: pg/ul




Manual Integration Results

RT: 34.87
Area: 3409
Amount: 2.138307
Amount Units: pg/ul



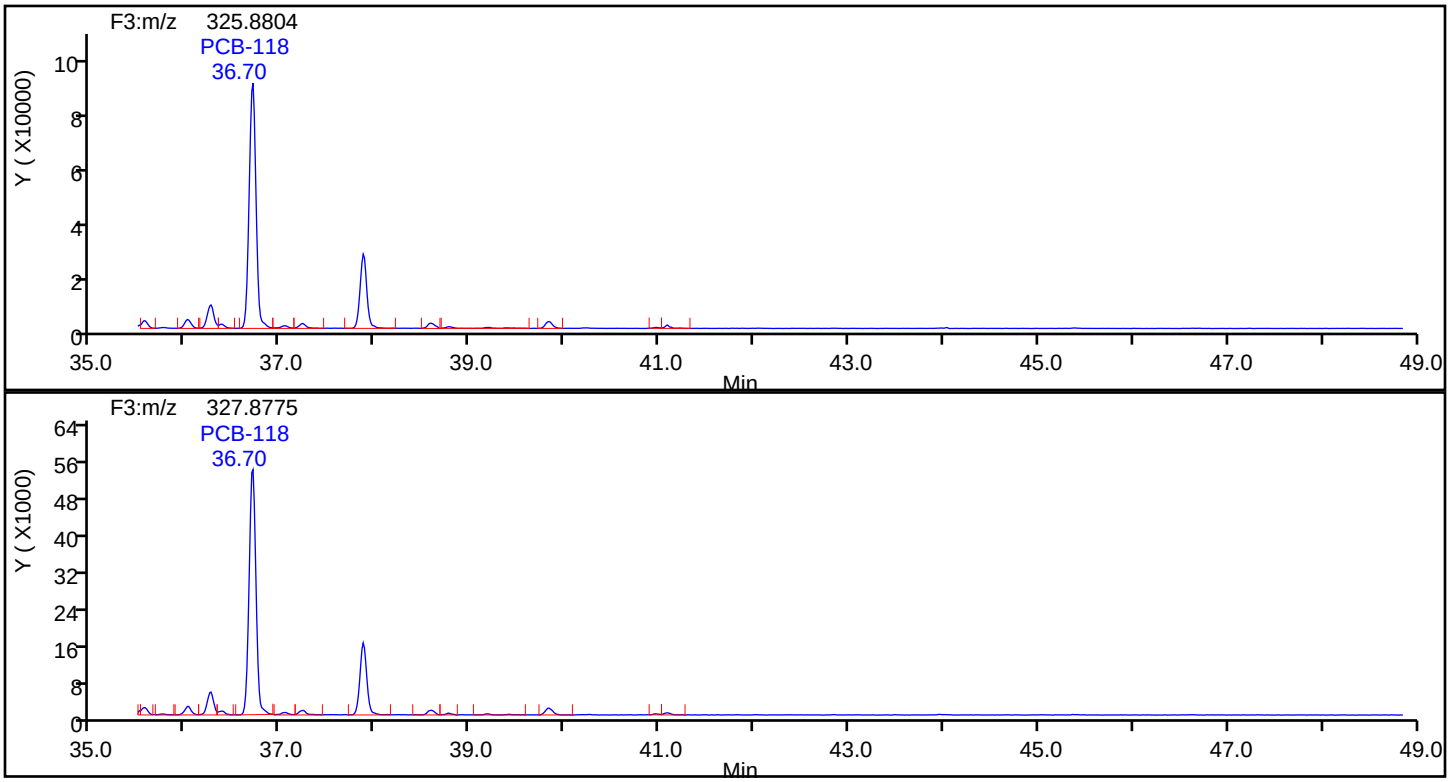

Reviewer: layk, 26-Sep-2019 11:29:39

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

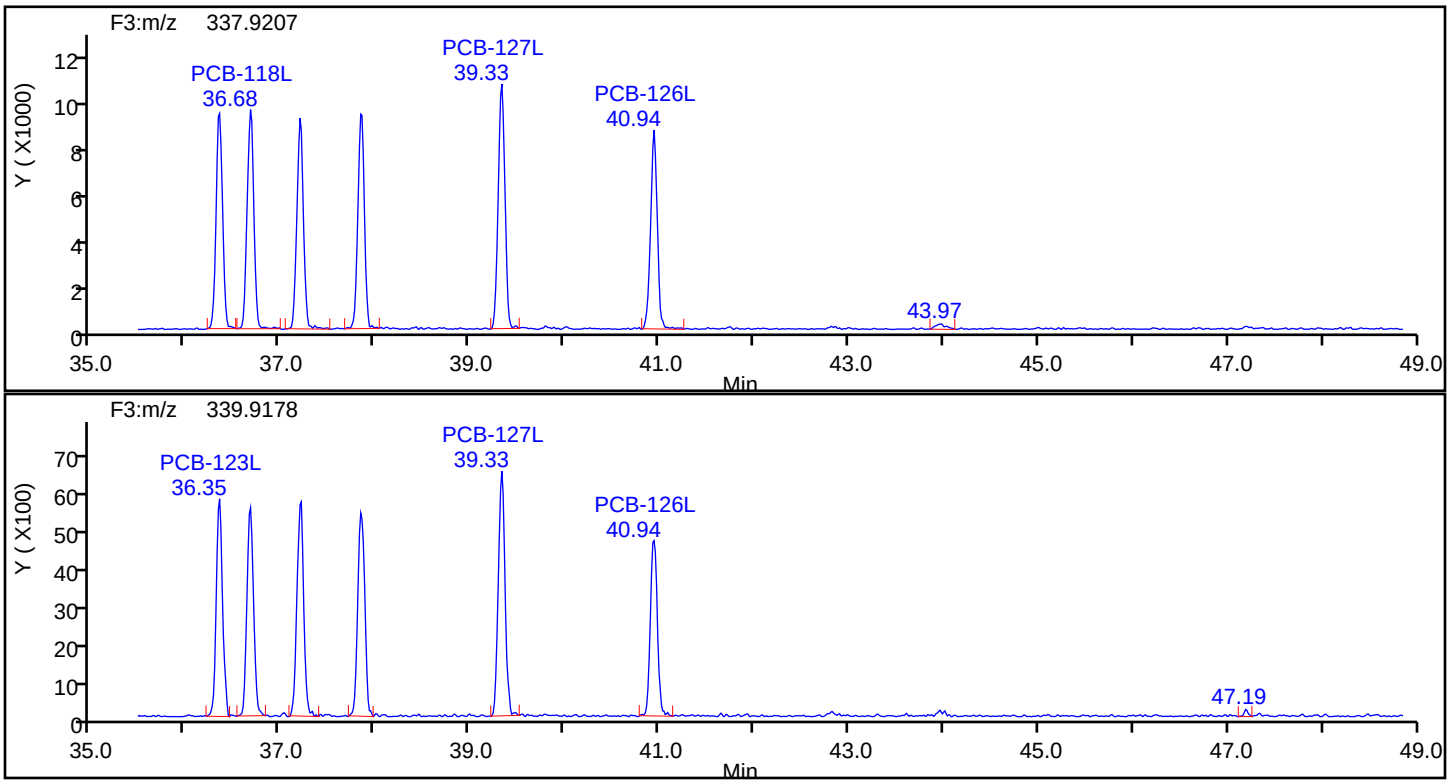
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



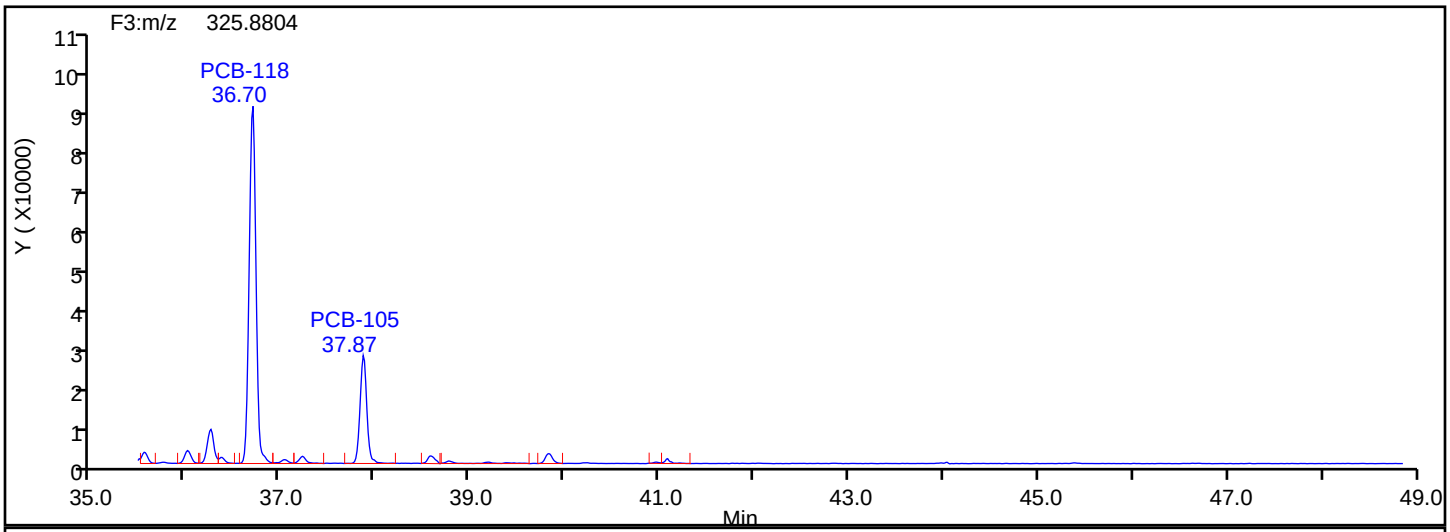

PePCB F3 Standards

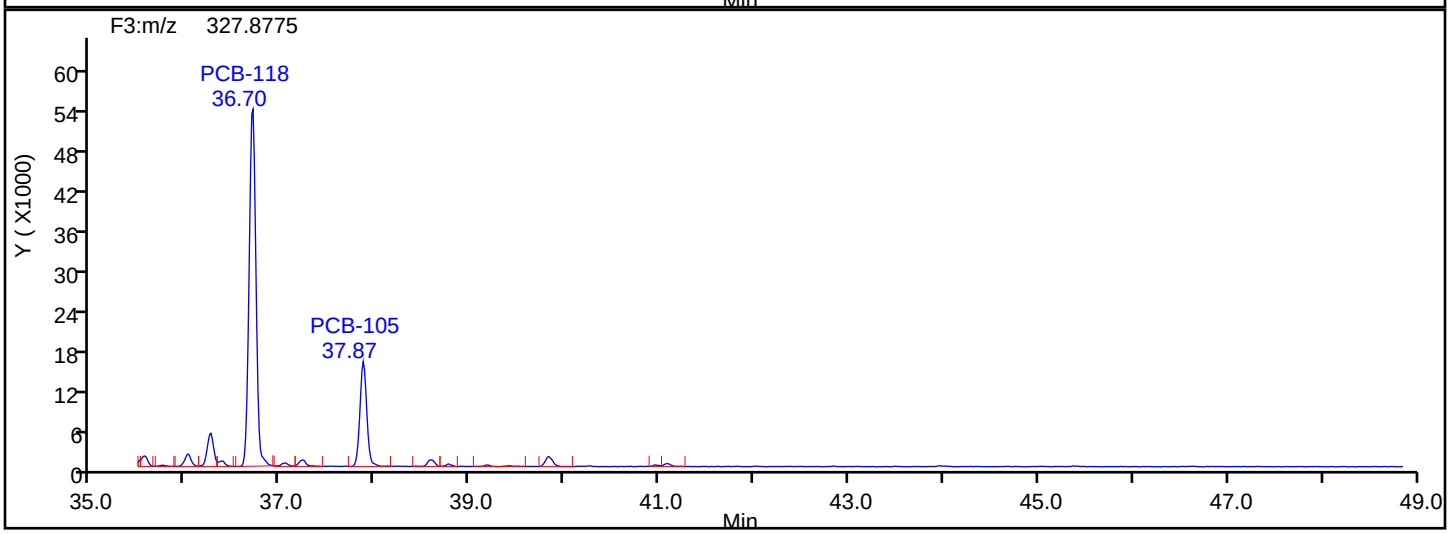


Eurofins TestAmerica, Knoxville

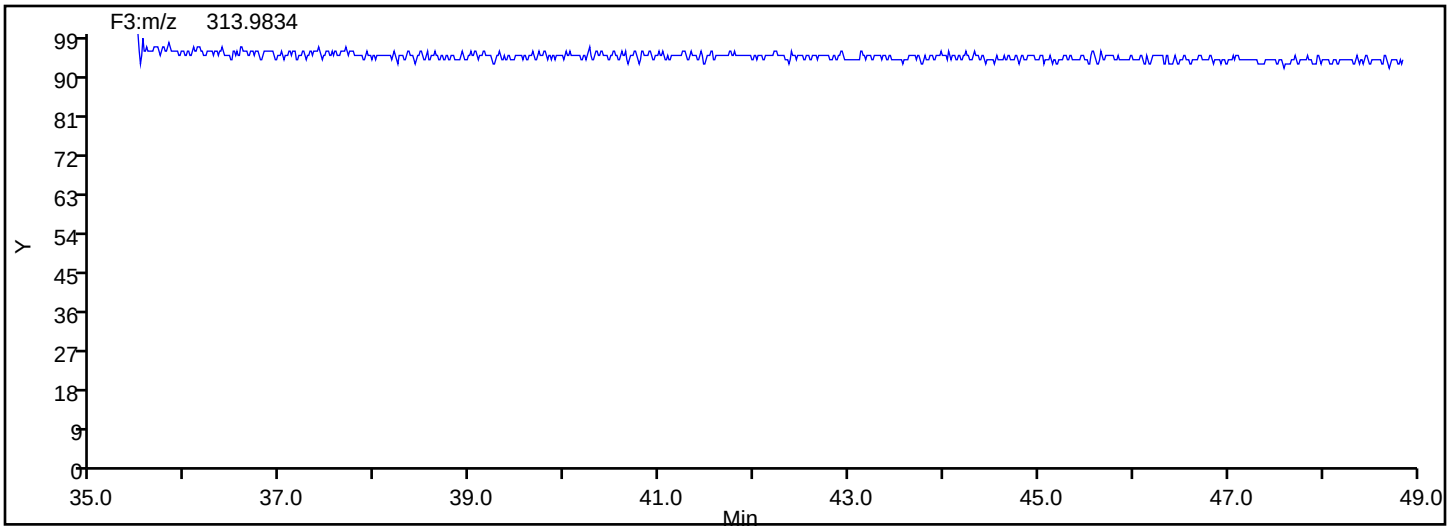
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

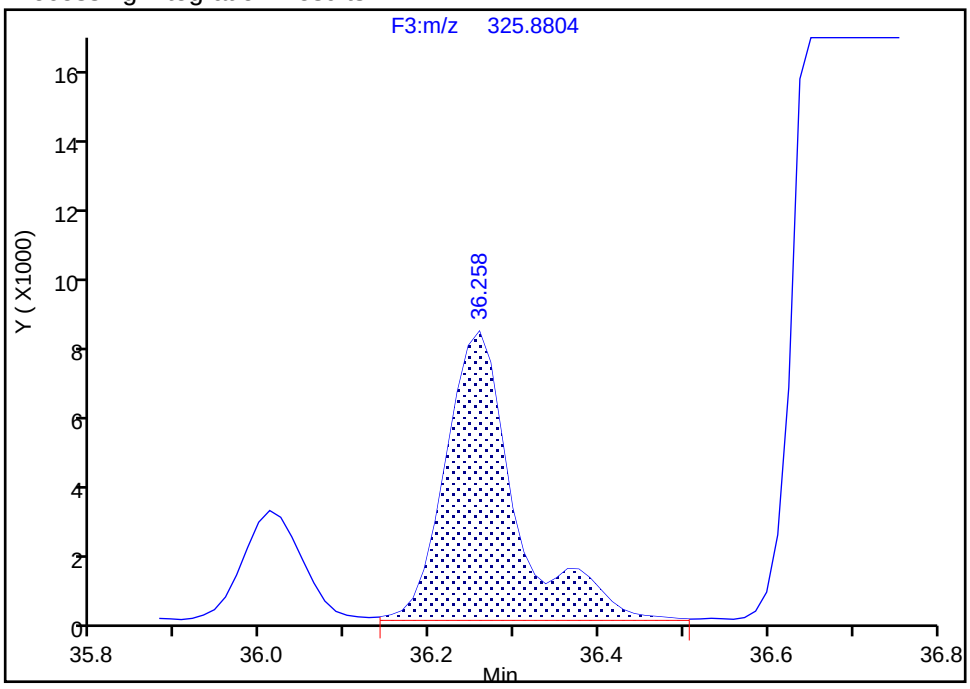
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

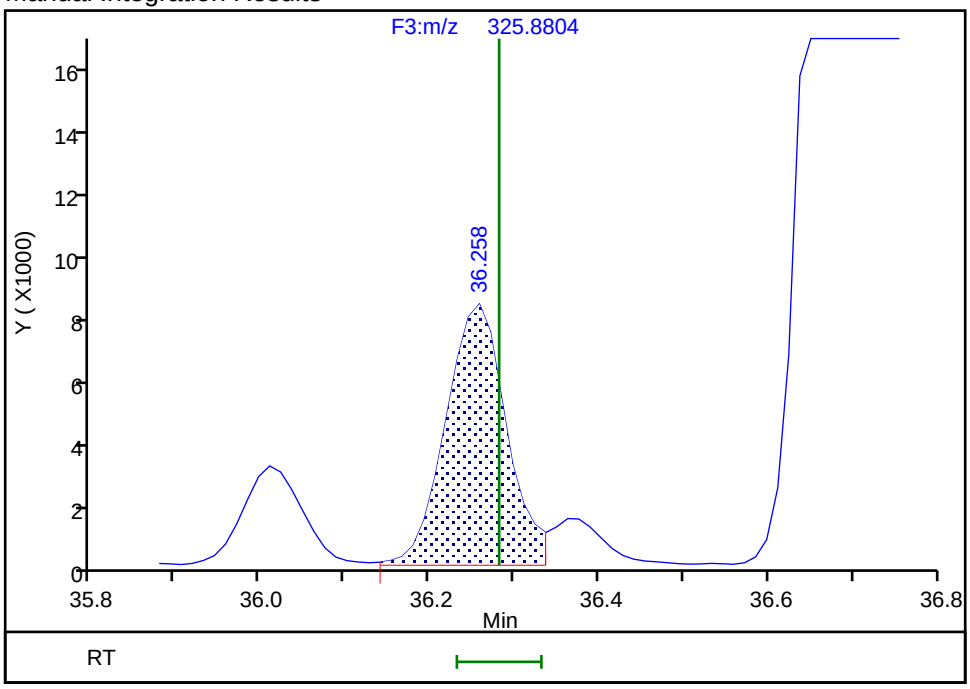
Processing Integration Results

RT: 36.26
Area: 45688
Amount: 14.547560
Amount Units: pg/ul




Manual Integration Results

RT: 36.26
Area: 39507
Amount: 13.253136
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:30:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

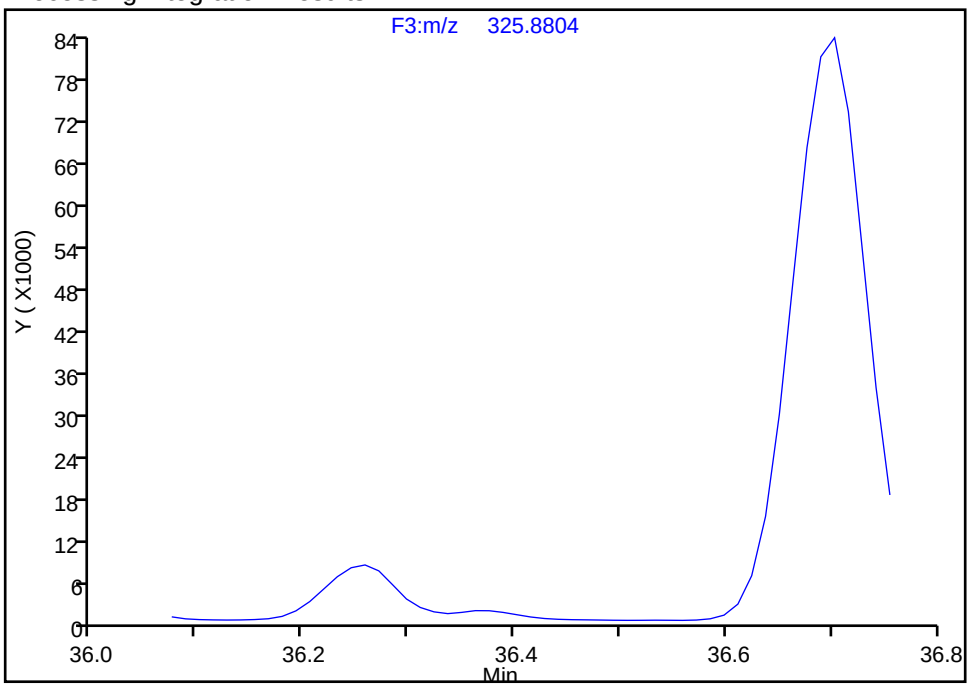
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

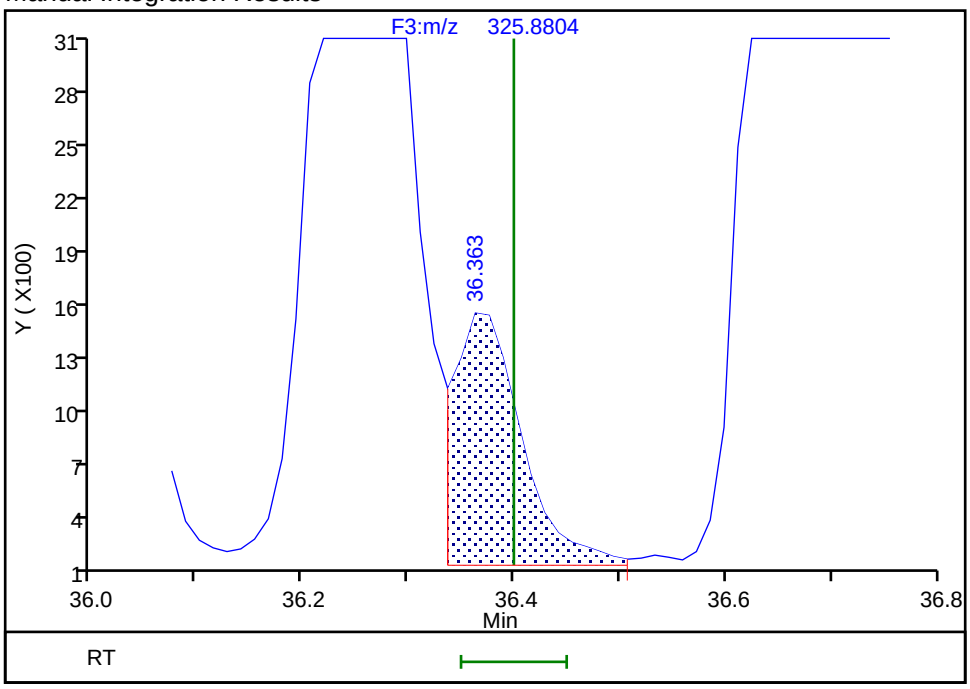
Not Detected
Expected RT: 36.40

Processing Integration Results




Manual Integration Results

RT: 36.36
Area: 6180
Amount: 2.229306
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:30:38
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

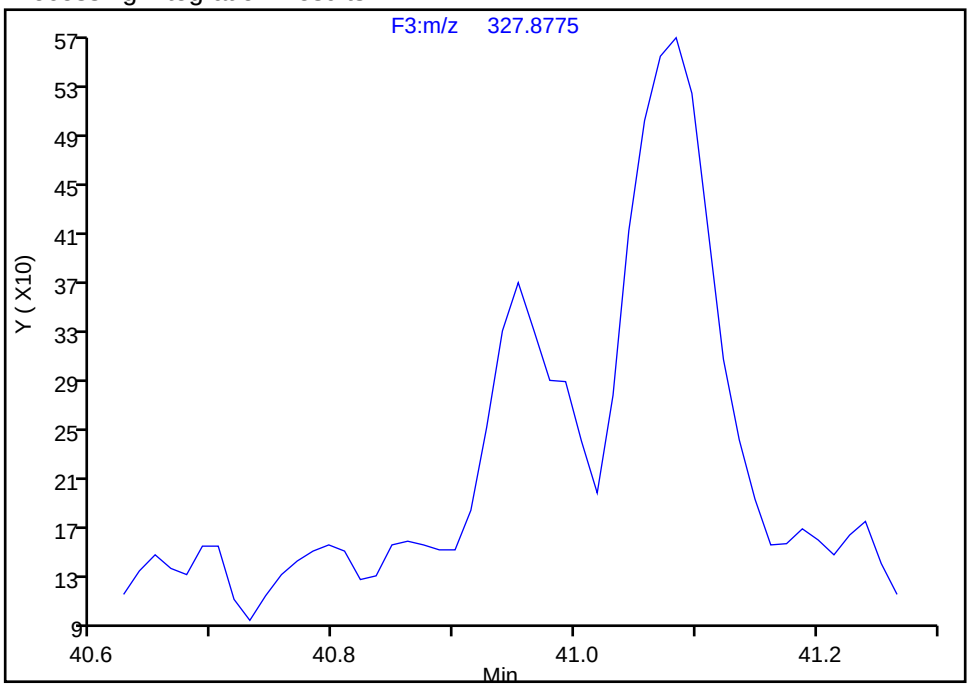
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

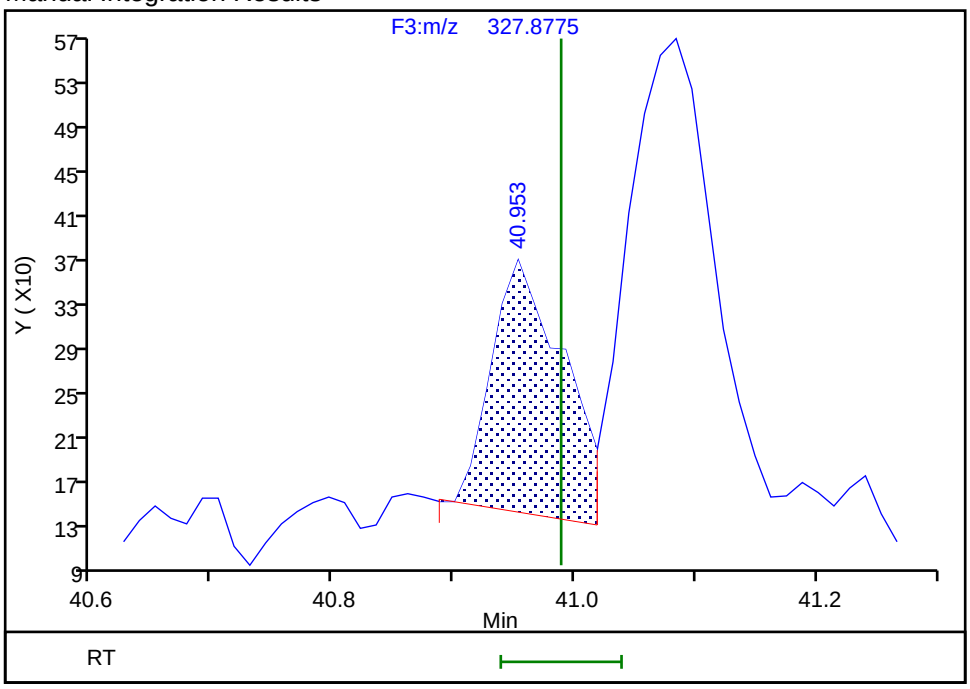
Not Detected
Expected RT: 40.99

Processing Integration Results




Manual Integration Results

RT: 40.95
Area: 926
Amount: 0.499258
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:48:07
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

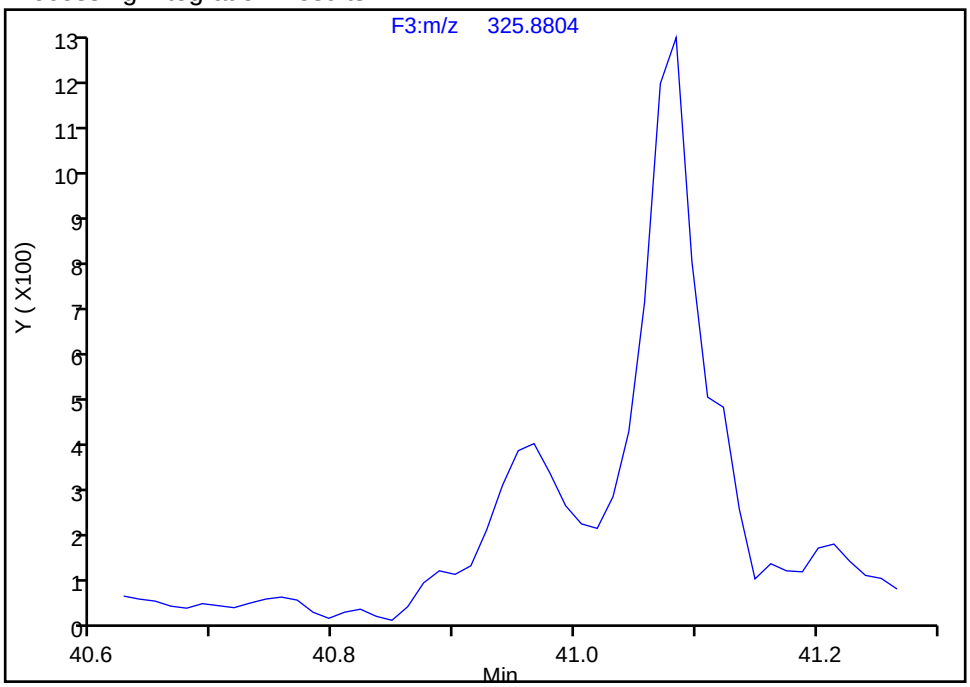
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

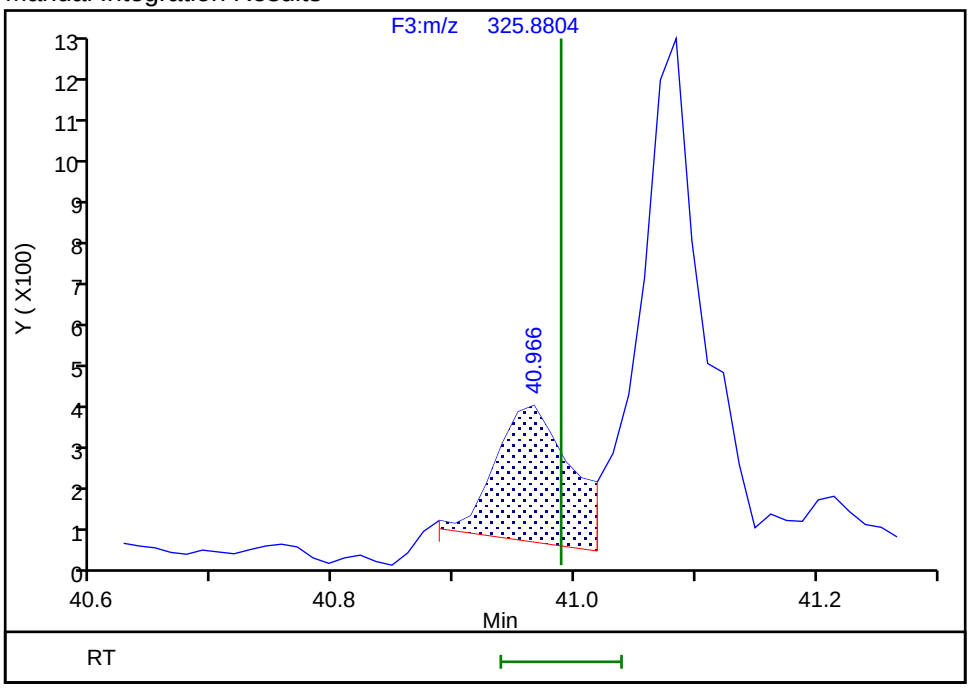
Not Detected
Expected RT: 40.99

Processing Integration Results




Manual Integration Results

RT: 40.97
Area: 1276
Amount: 0.499258
Amount Units: pg/ul

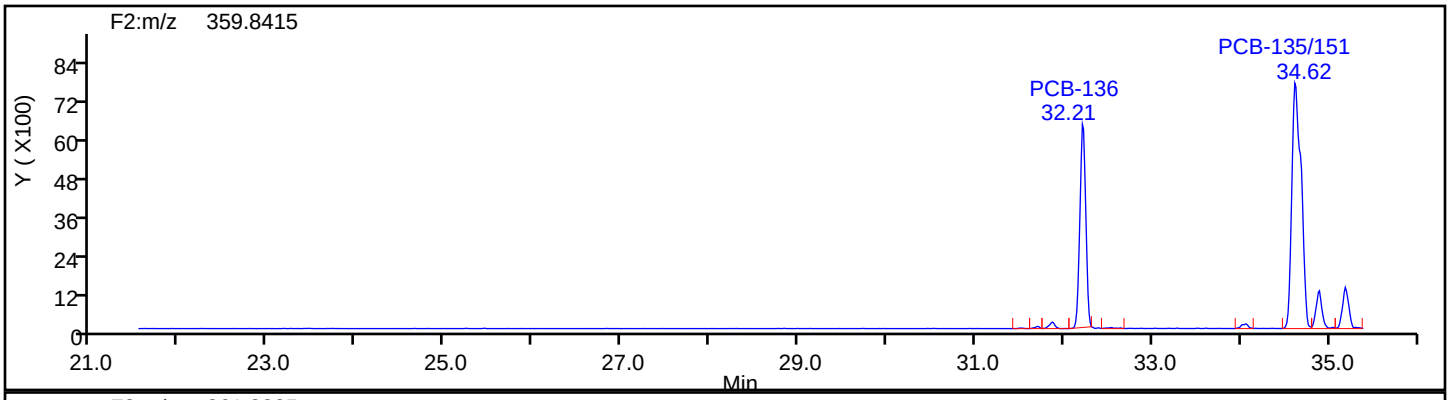


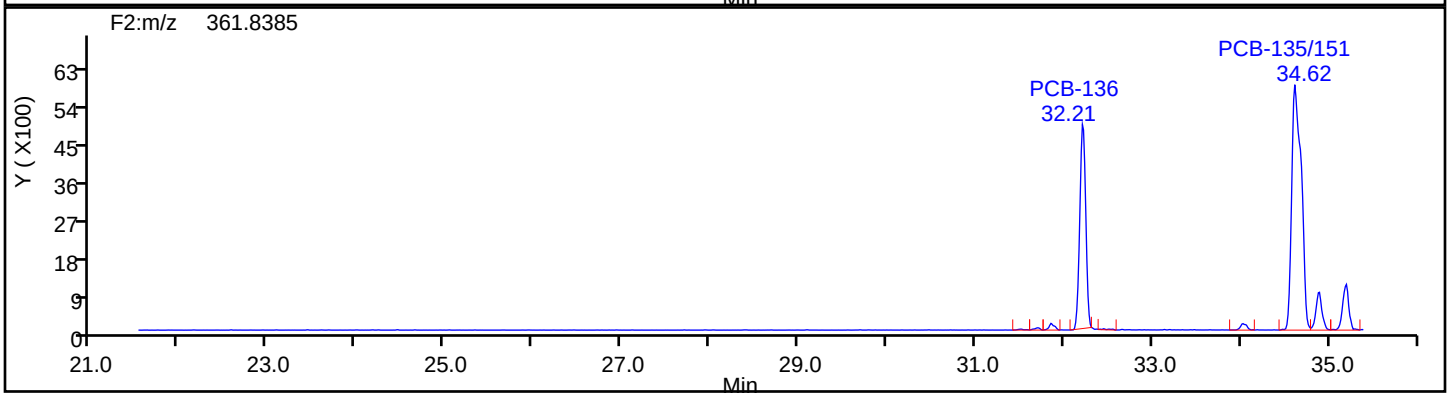

Reviewer: nordquistj, 26-Sep-2019 14:48:11
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

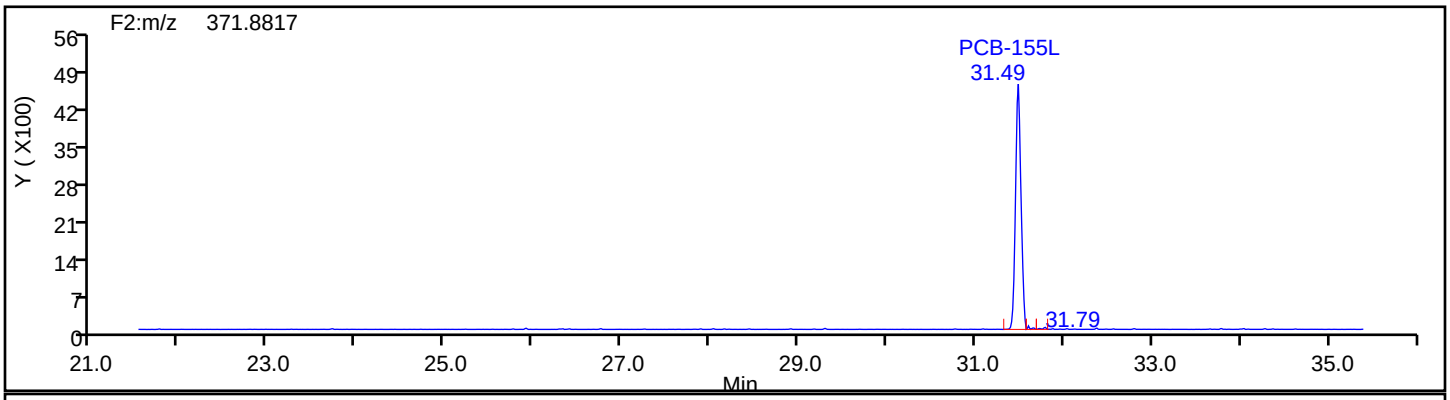
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

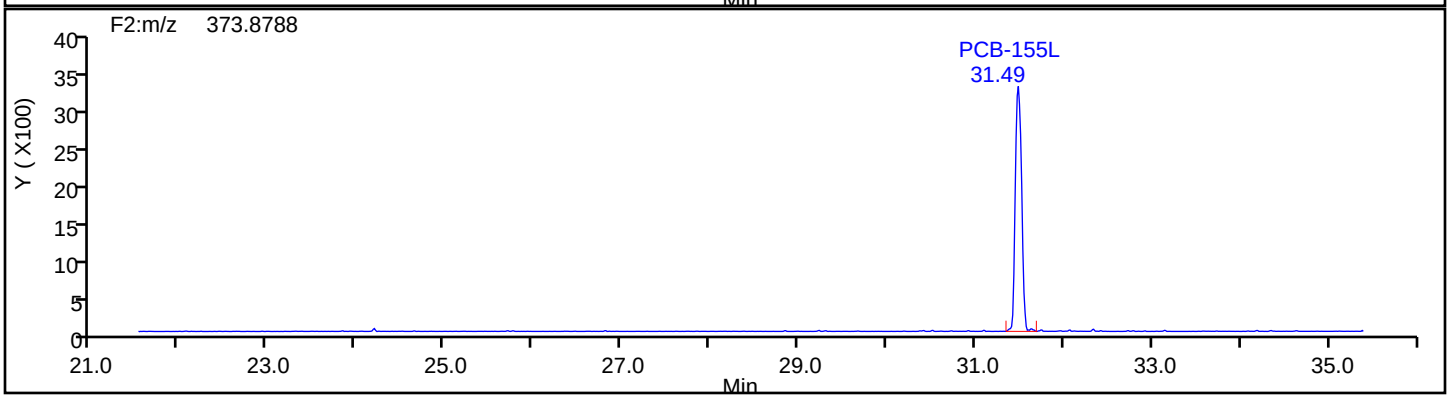
HxPCB F2




HxPCB F2 Standards

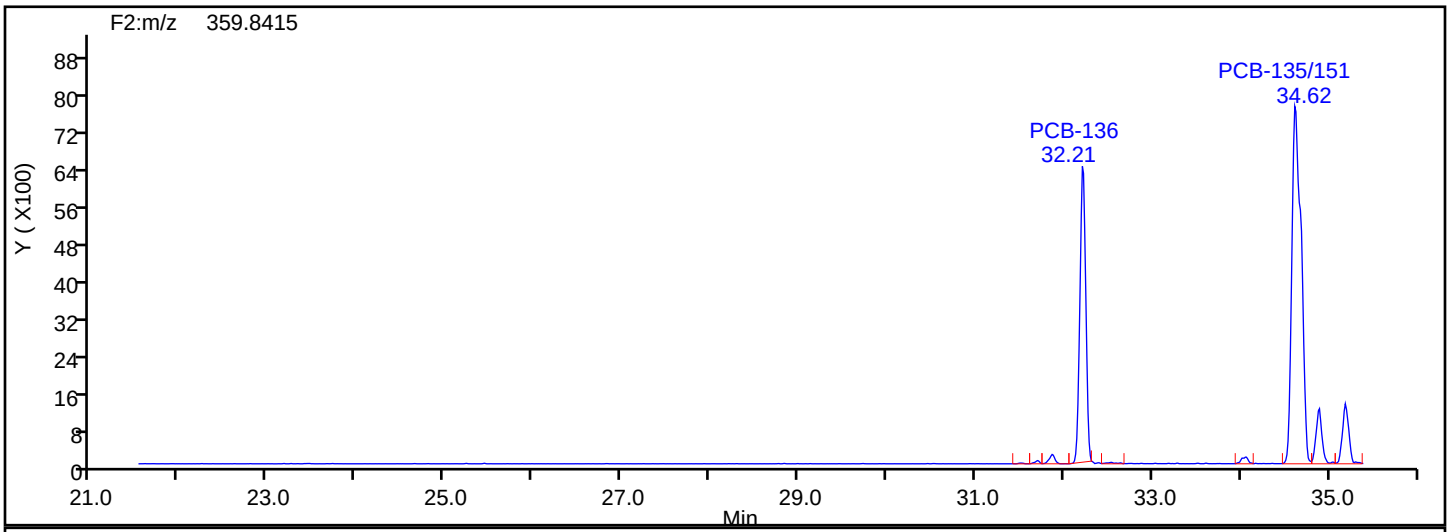


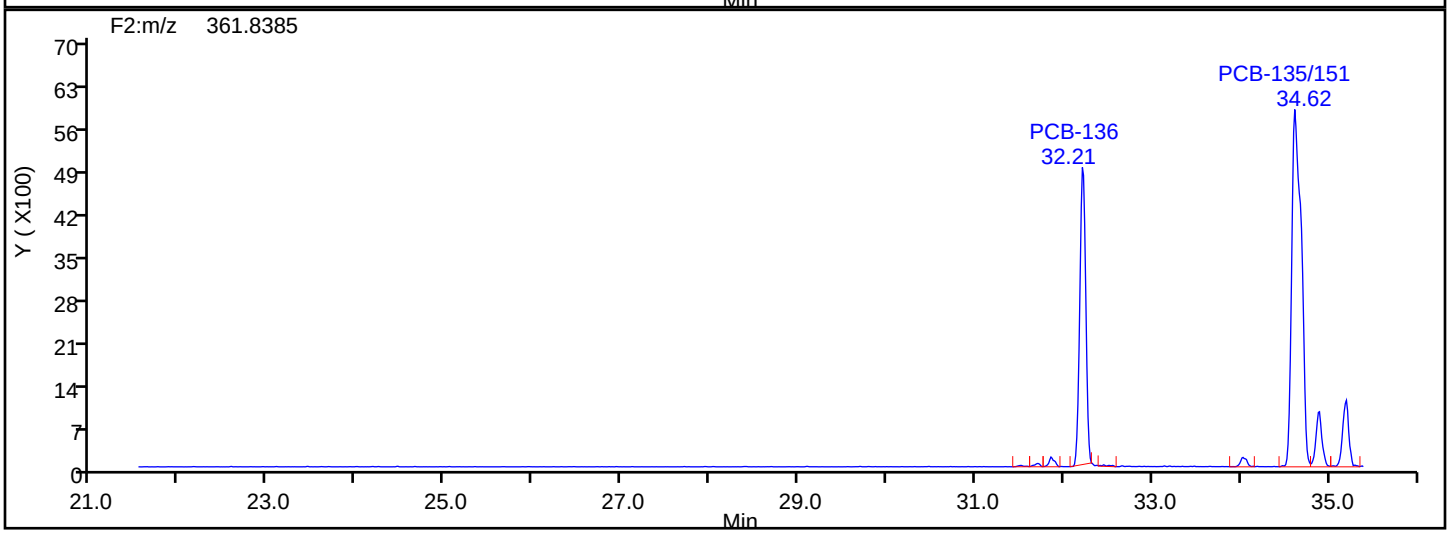



Eurofins TestAmerica, Knoxville

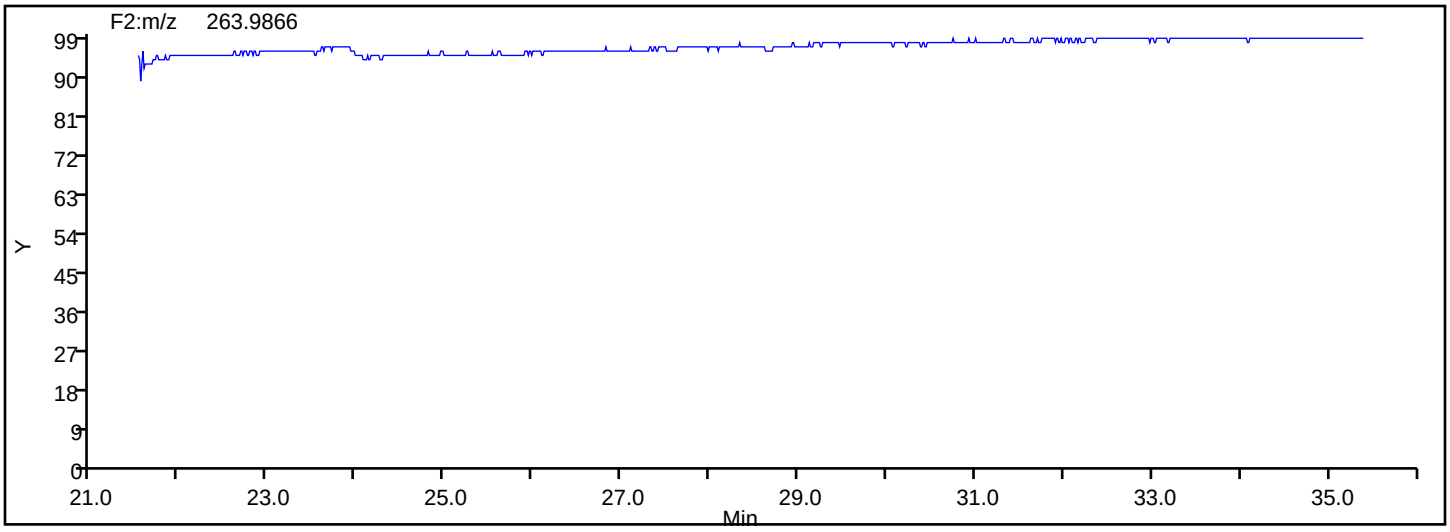
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

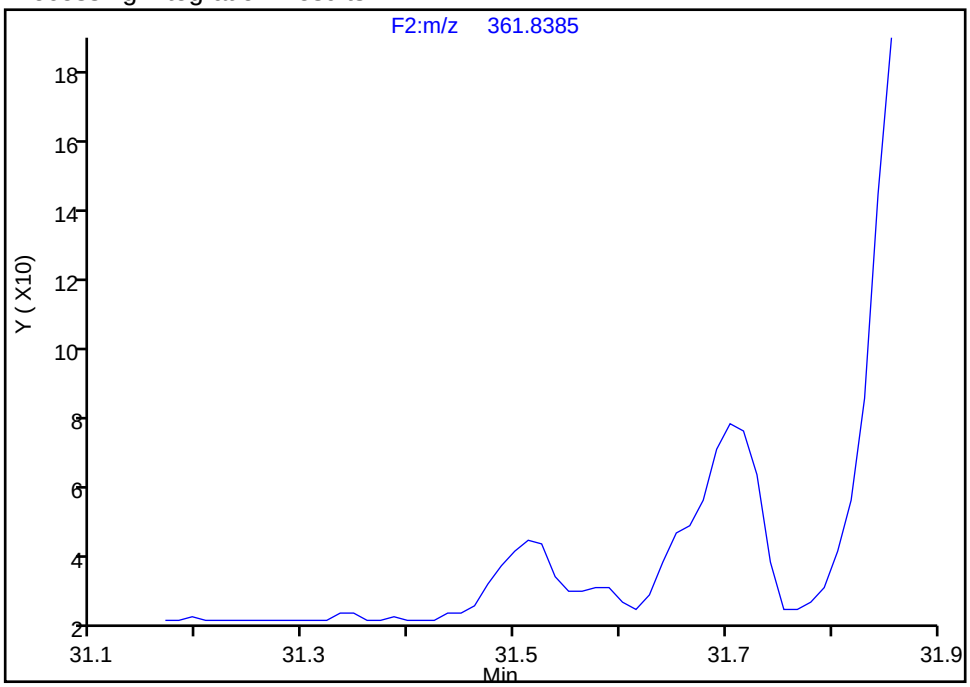
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-155, CAS: 33979-03-2

Signal: 2

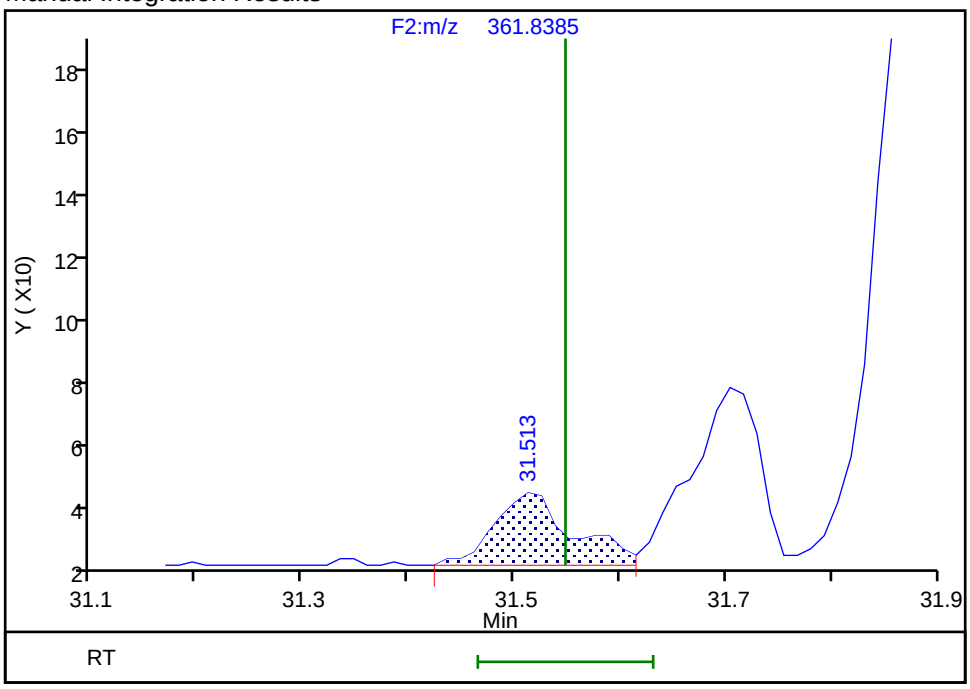
Not Detected
Expected RT: 31.55

Processing Integration Results




Manual Integration Results

RT: 31.51
Area: 112
Amount: 0.080025
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:48:37
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

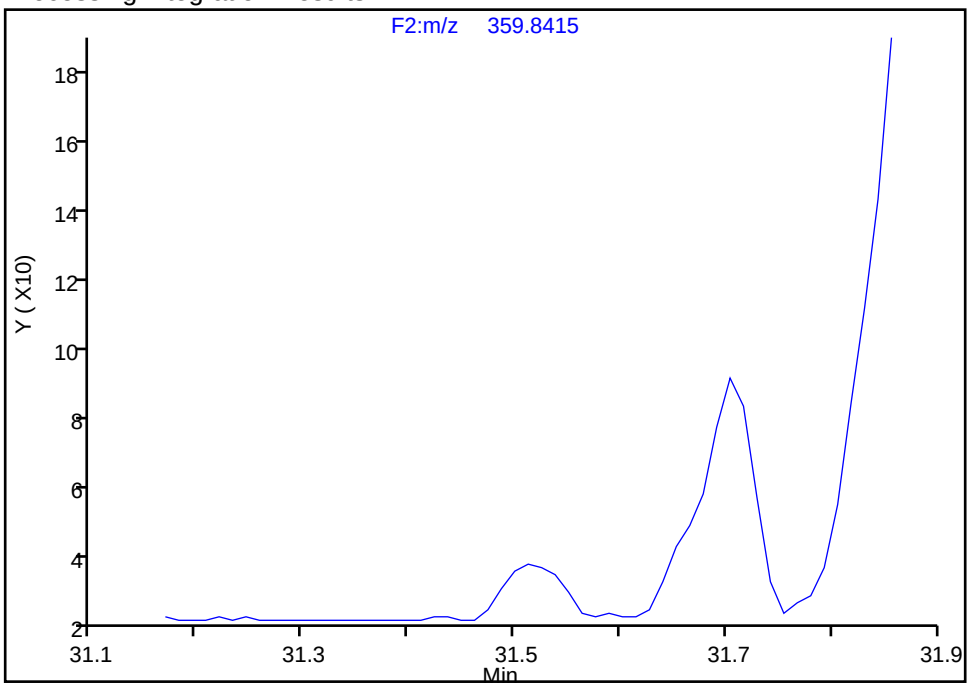
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-155, CAS: 33979-03-2

Signal: 1

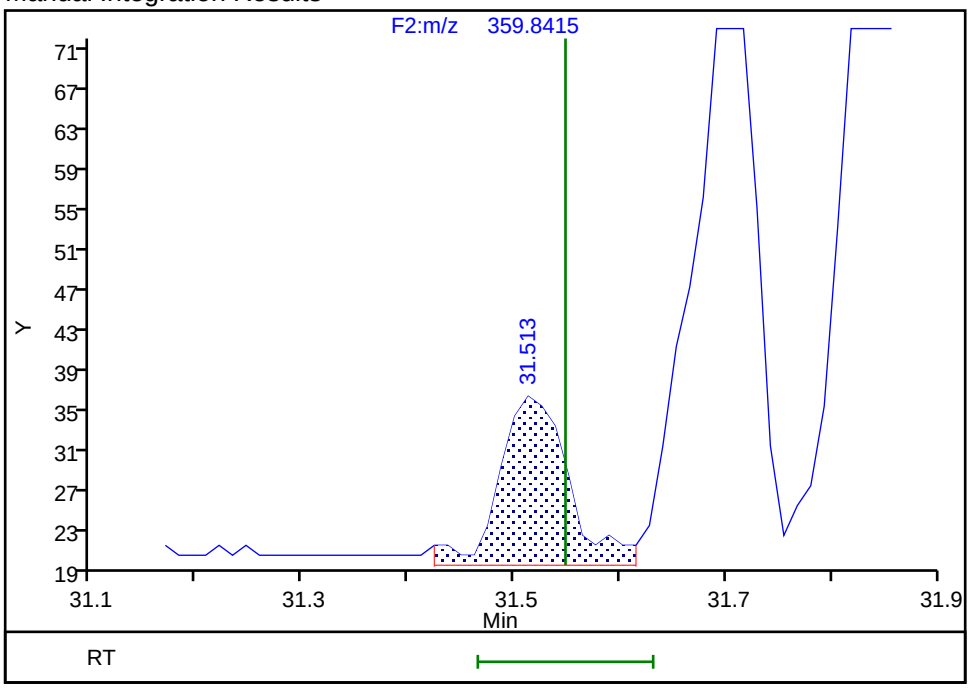
Not Detected
Expected RT: 31.55

Processing Integration Results




Manual Integration Results

RT: 31.51
Area: 77
Amount: 0.080025
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:48:37
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

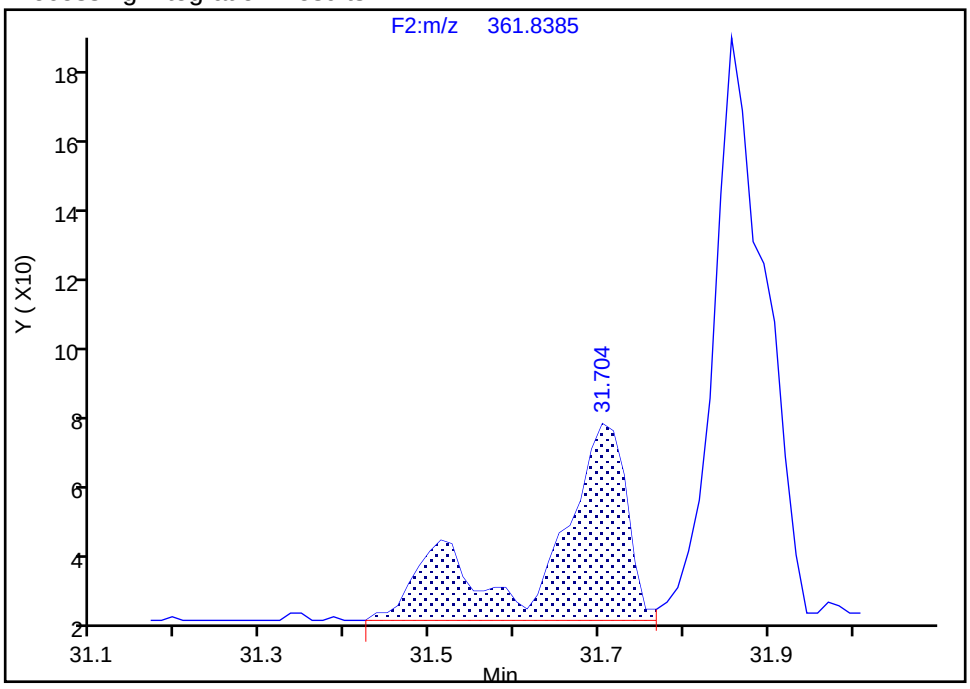
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-152, CAS: 68194-09-2

Signal: 2

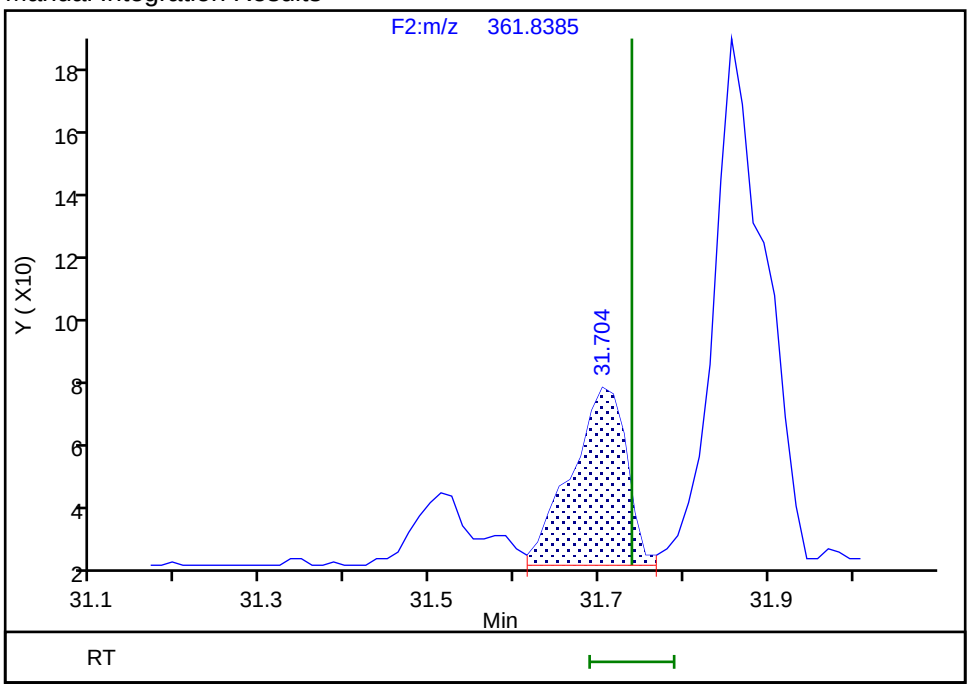
Processing Integration Results

RT: 31.70
Area: 357
Amount: 0.267548
Amount Units: pg/ul




Manual Integration Results

RT: 31.70
Area: 245
Amount: 0.218344
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:32:11

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

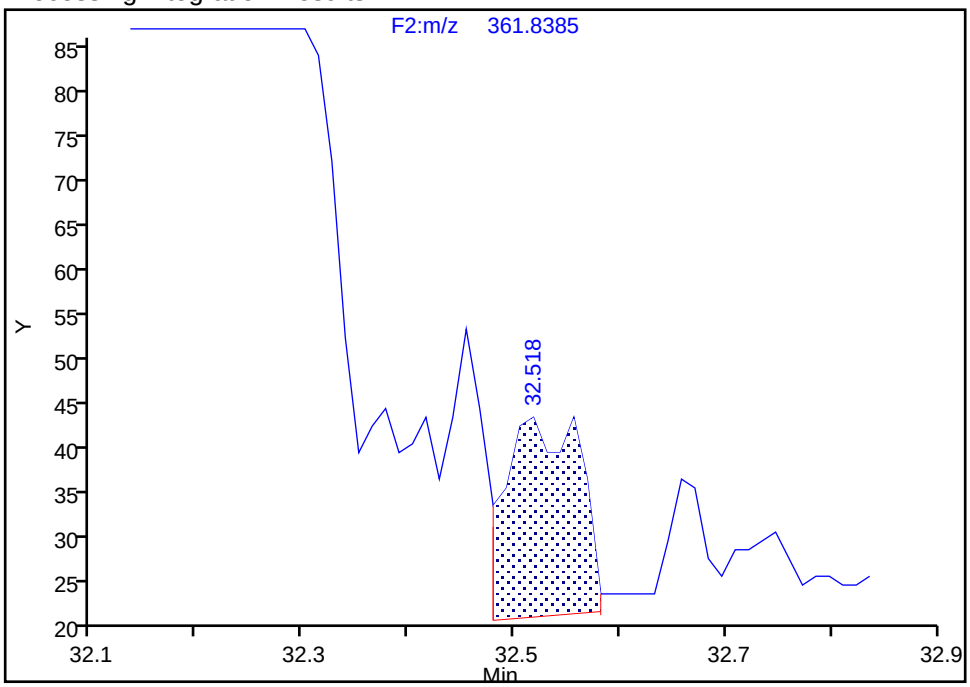
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

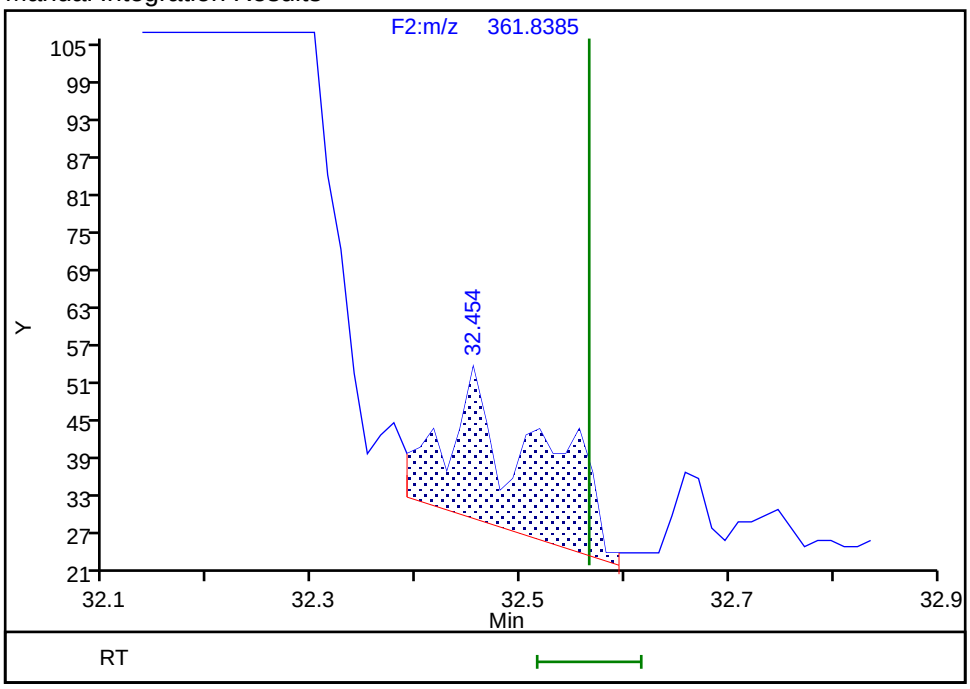
Processing Integration Results

RT: 32.52
Area: 107
Amount: 0.160719
Amount Units: pg/ul




Manual Integration Results

RT: 32.45
Area: 152
Amount: 0.181561
Amount Units: pg/ul



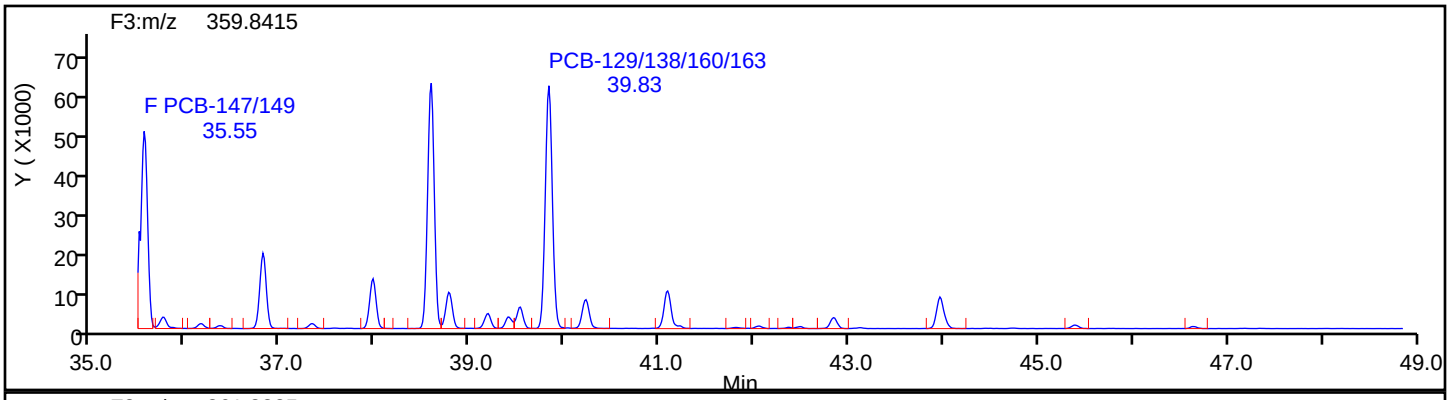

Reviewer: nordquistj, 26-Sep-2019 14:48:50

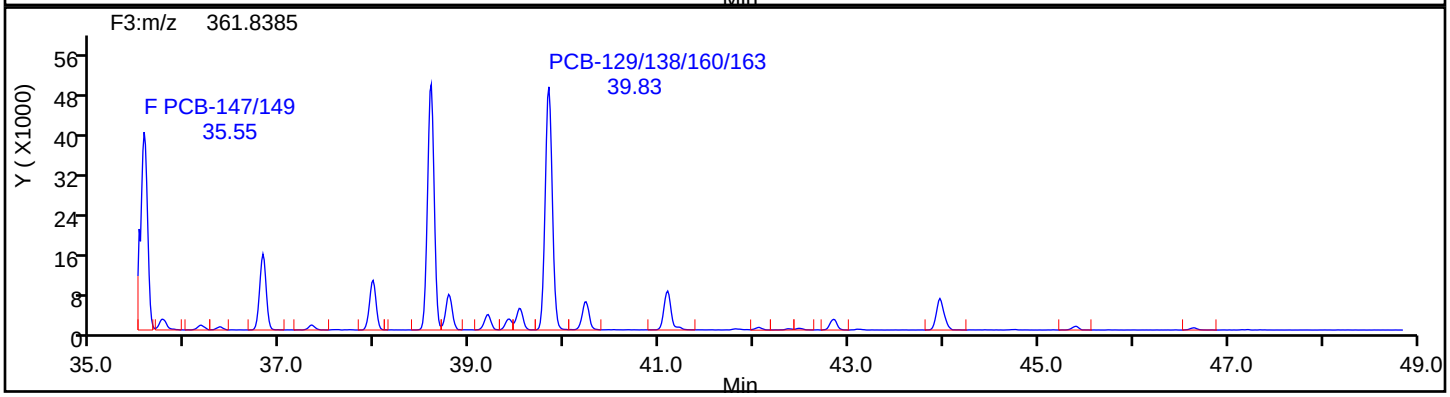
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

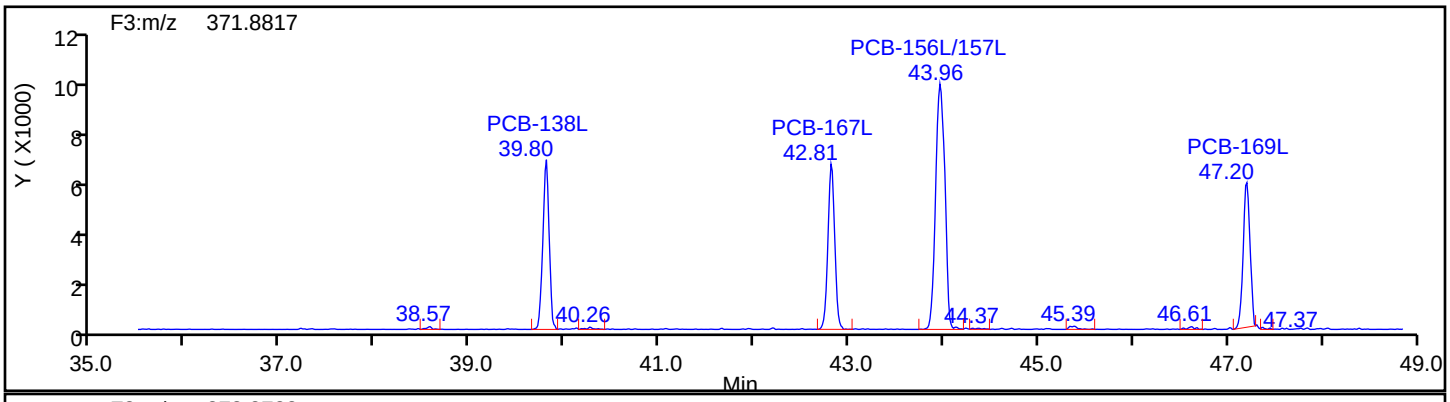
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

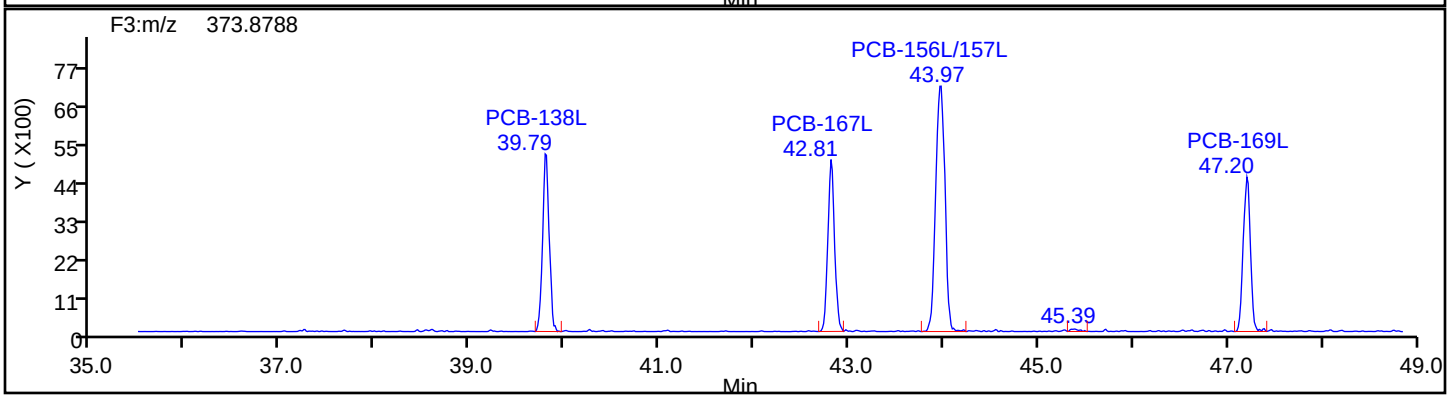
HxPCB F3




HxPCB F3 Standards

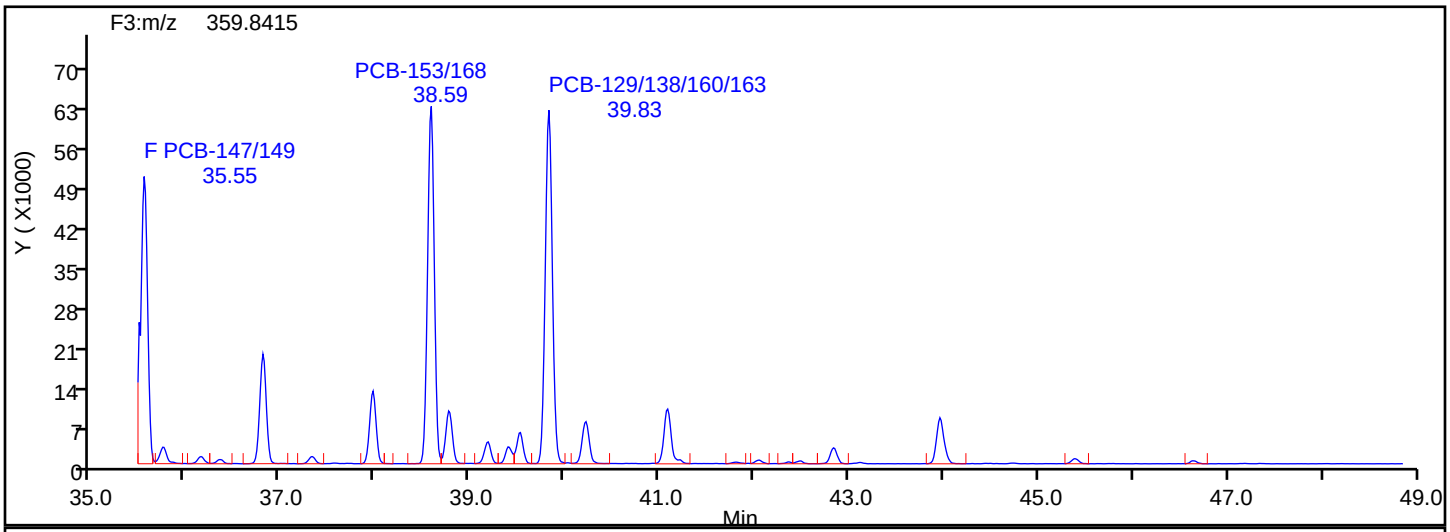


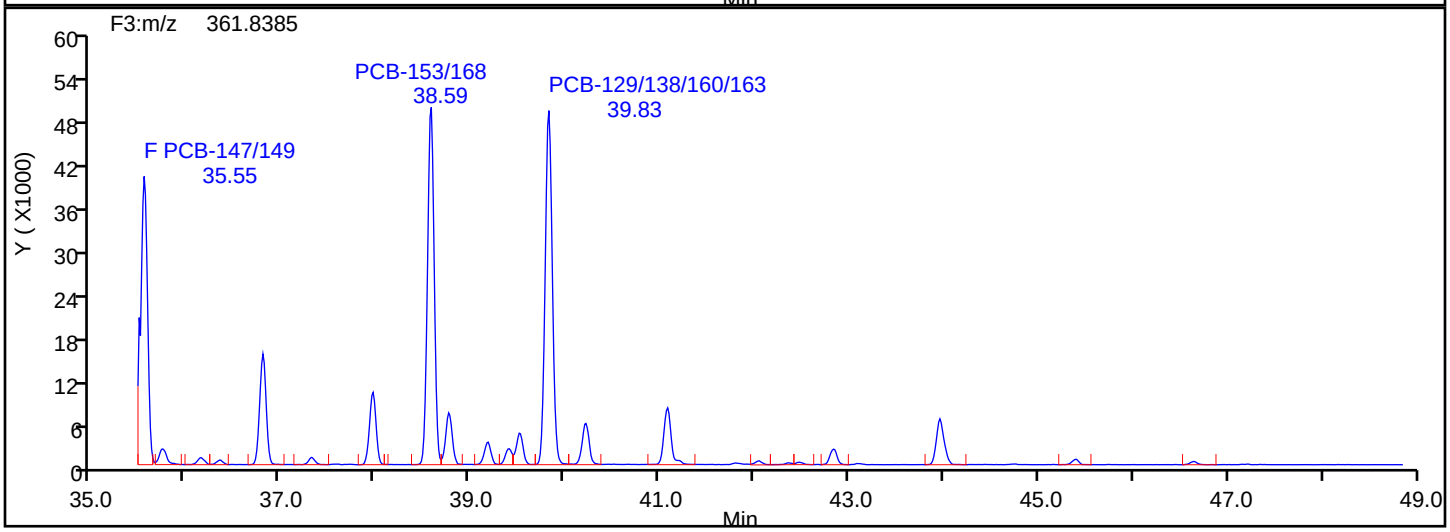



Eurofins TestAmerica, Knoxville

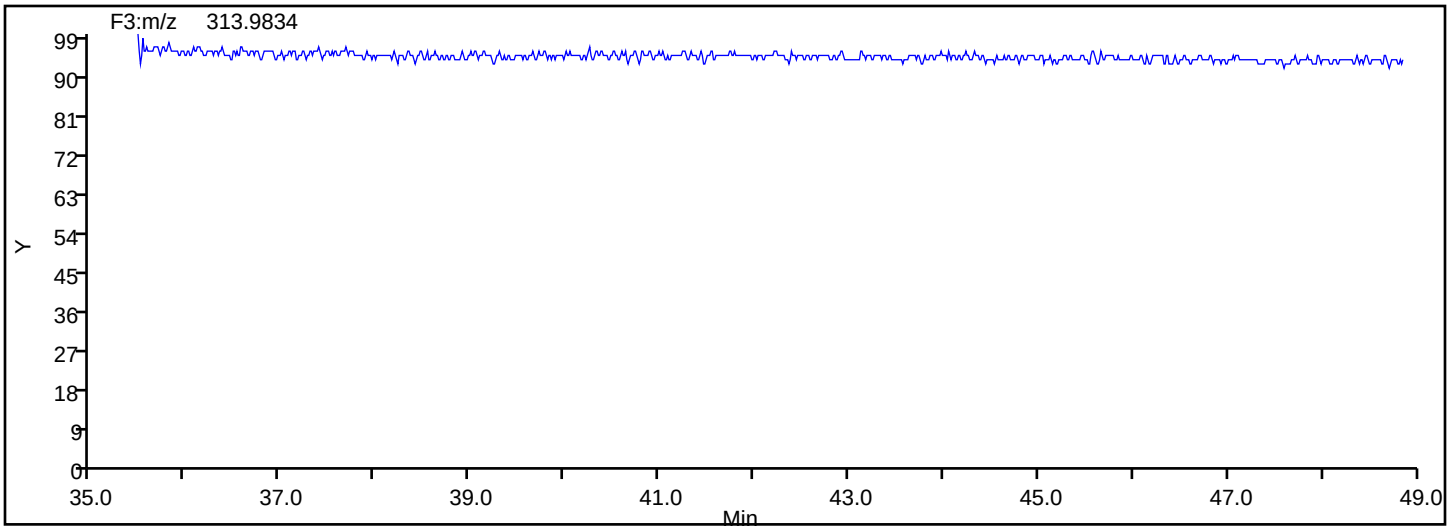
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

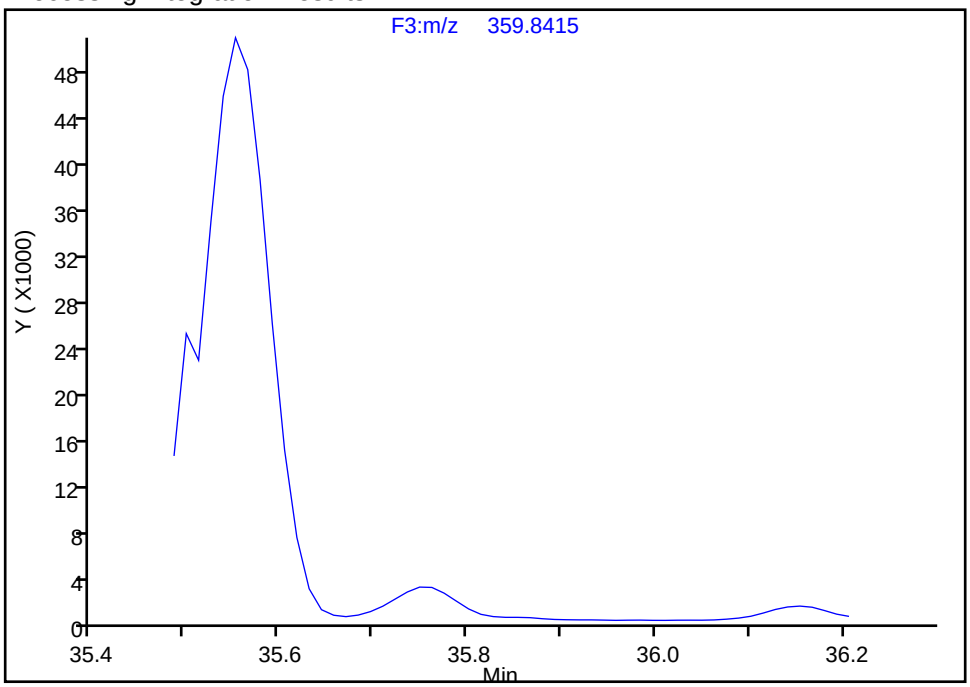
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

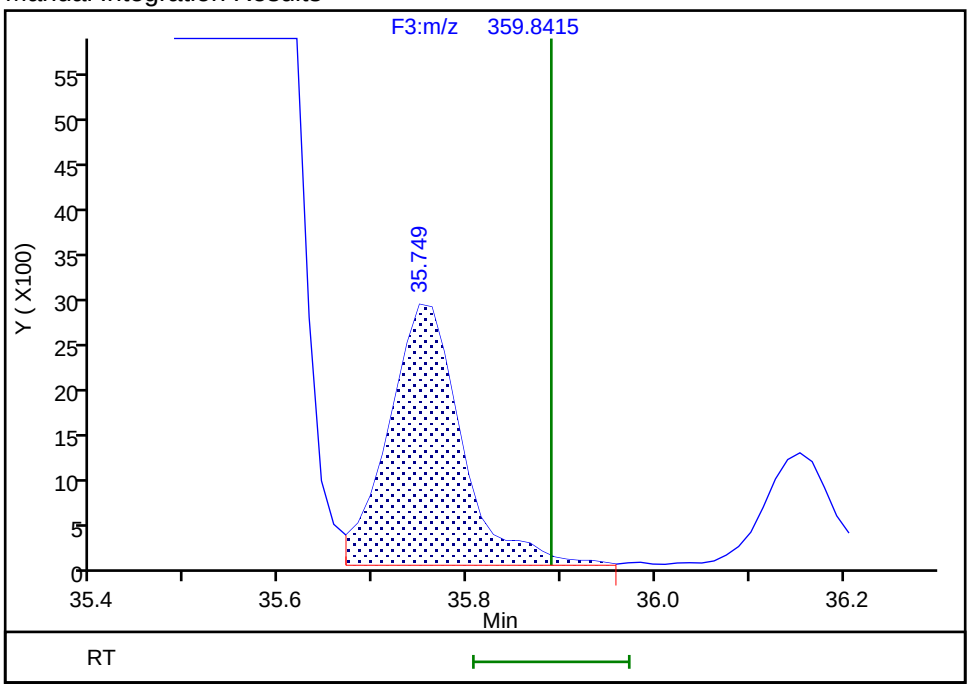
Not Detected
Expected RT: 35.89

Processing Integration Results




Manual Integration Results

RT: 35.75
Area: 15594
Amount: 11.813591
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:49:24
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

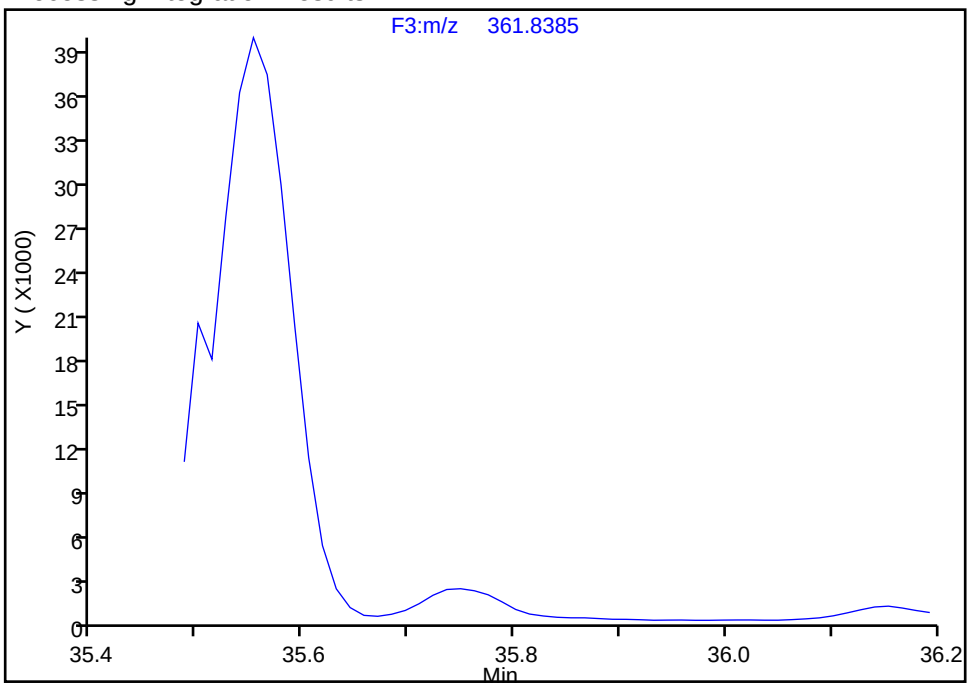
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 2

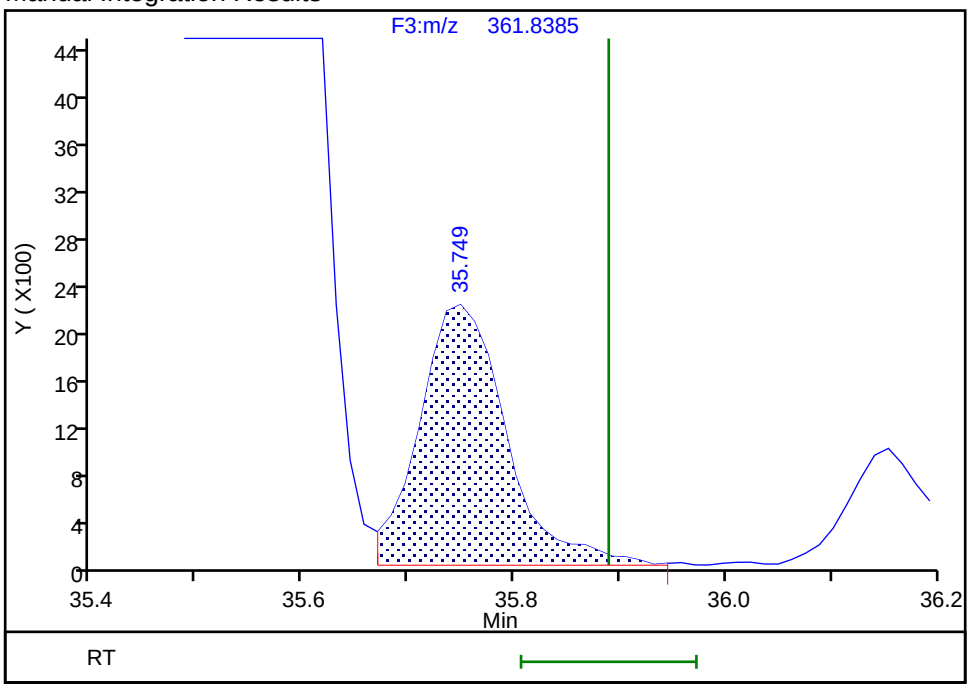
Processing Integration Results

Not Detected
Expected RT: 35.89




Manual Integration Results

RT: 35.75
Area: 12349
Amount: 11.813591
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:49:28
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

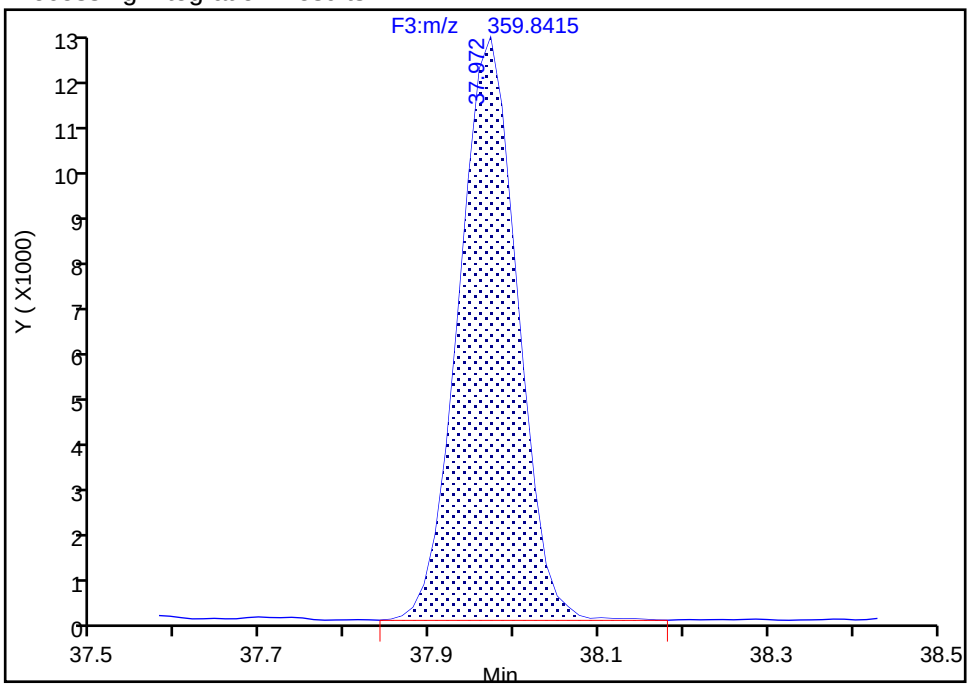
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 1

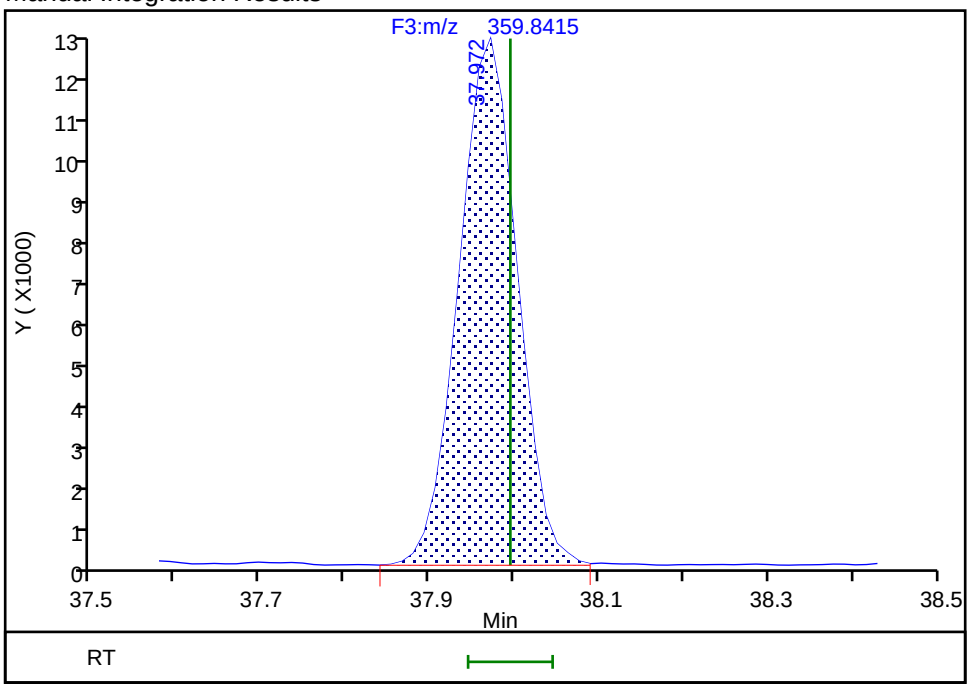
Processing Integration Results

RT: 37.97
Area: 61435
Amount: 39.329695
Amount Units: pg/ul




Manual Integration Results

RT: 37.97
Area: 61280
Amount: 39.250053
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:34:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

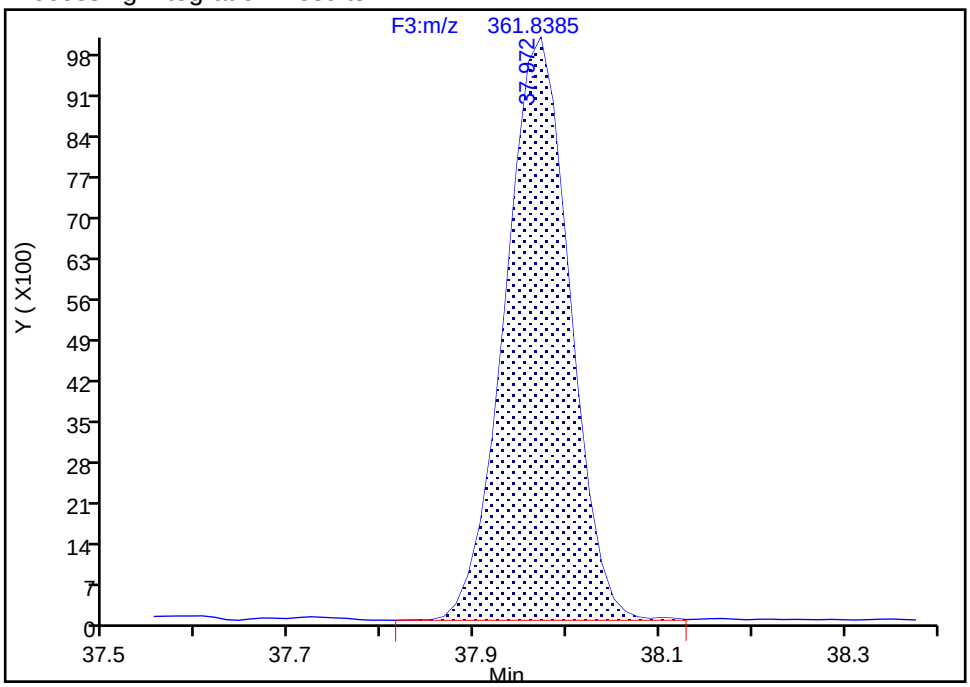
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 2

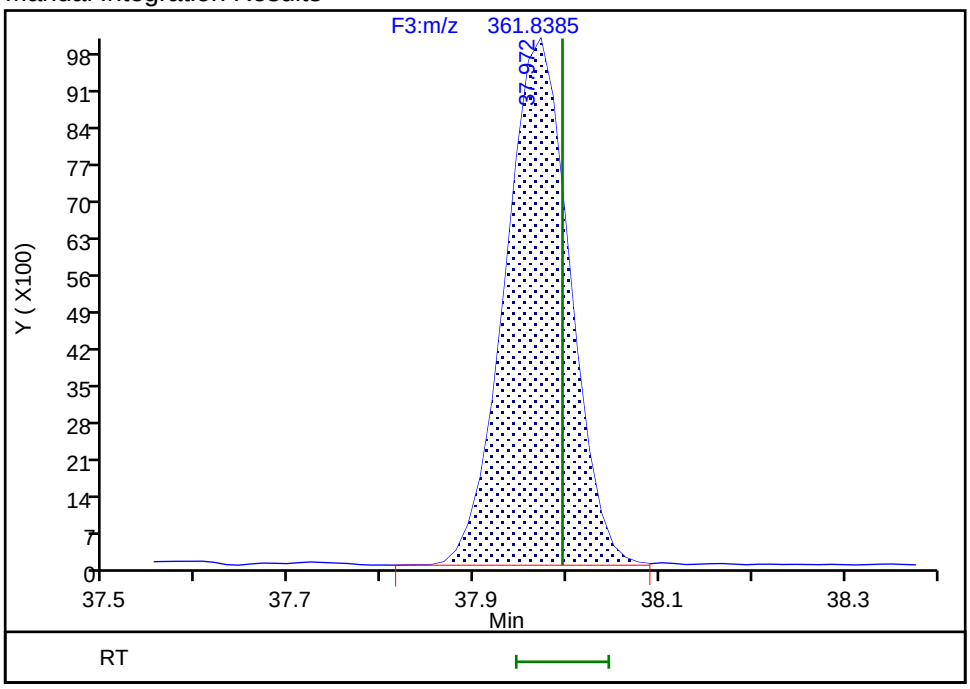
Processing Integration Results

RT: 37.97
Area: 48688
Amount: 39.329695
Amount Units: pg/ul




Manual Integration Results

RT: 37.97
Area: 48620
Amount: 39.250053
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:34:36

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

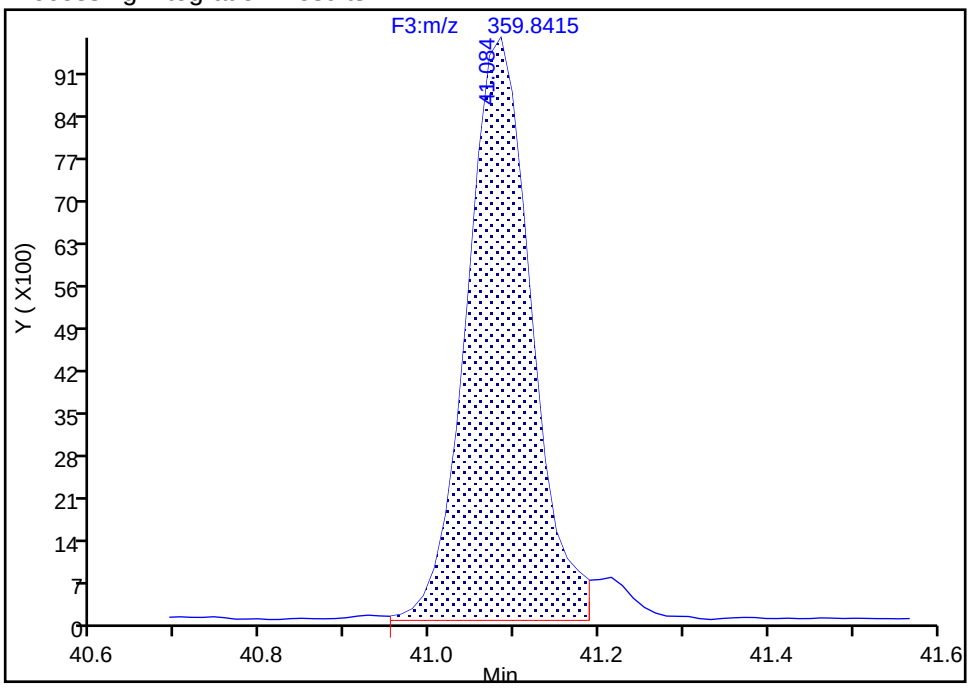
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

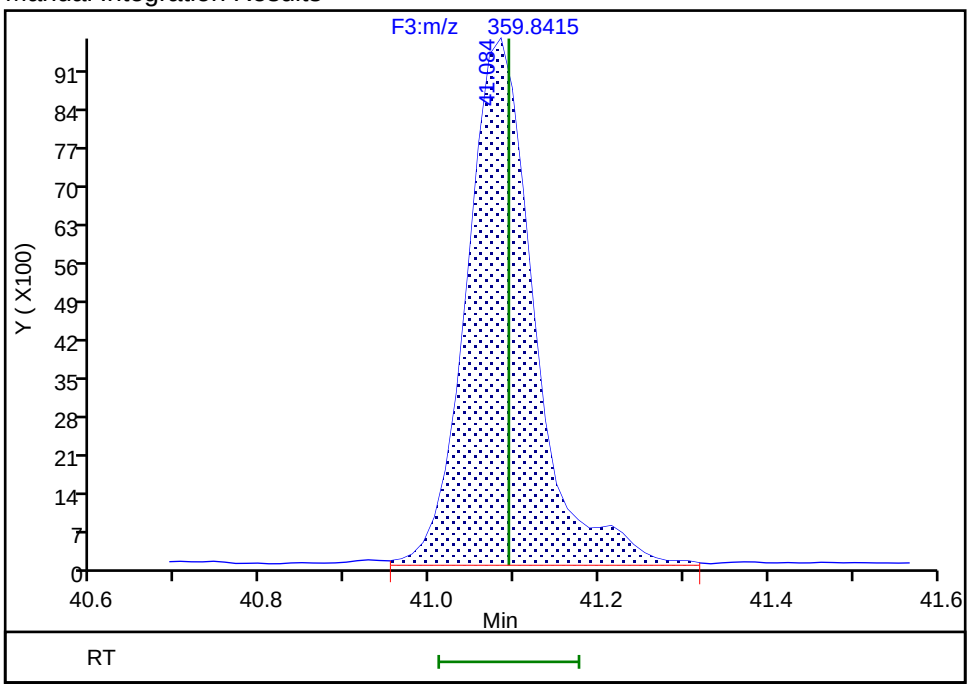
Processing Integration Results

RT: 41.08
Area: 50890
Amount: 30.354110
Amount Units: pg/ul




Manual Integration Results

RT: 41.08
Area: 53692
Amount: 31.257921
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:49:49

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

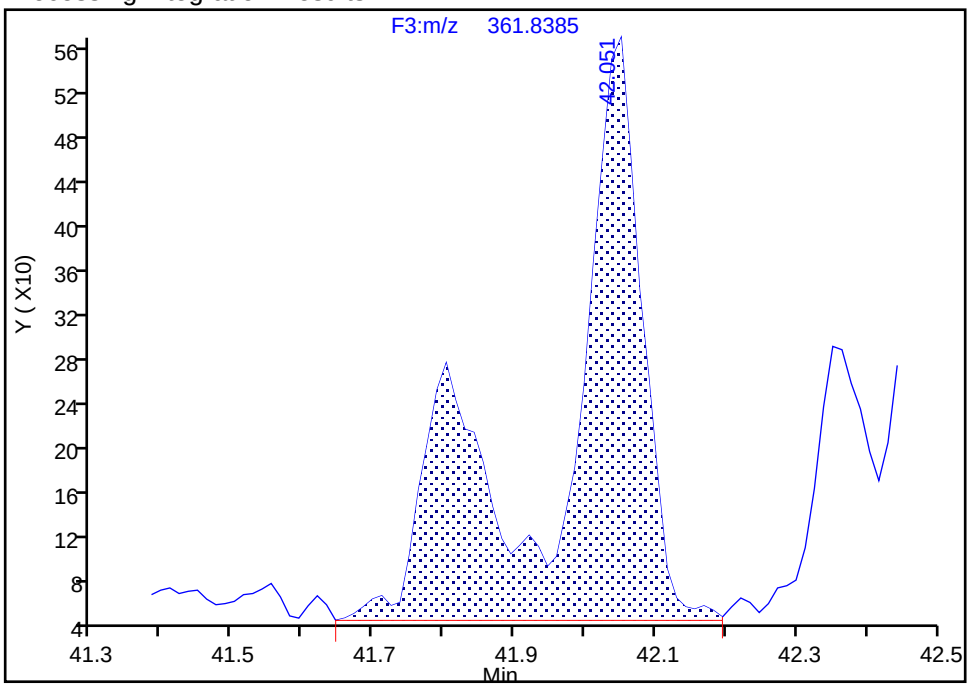
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 2

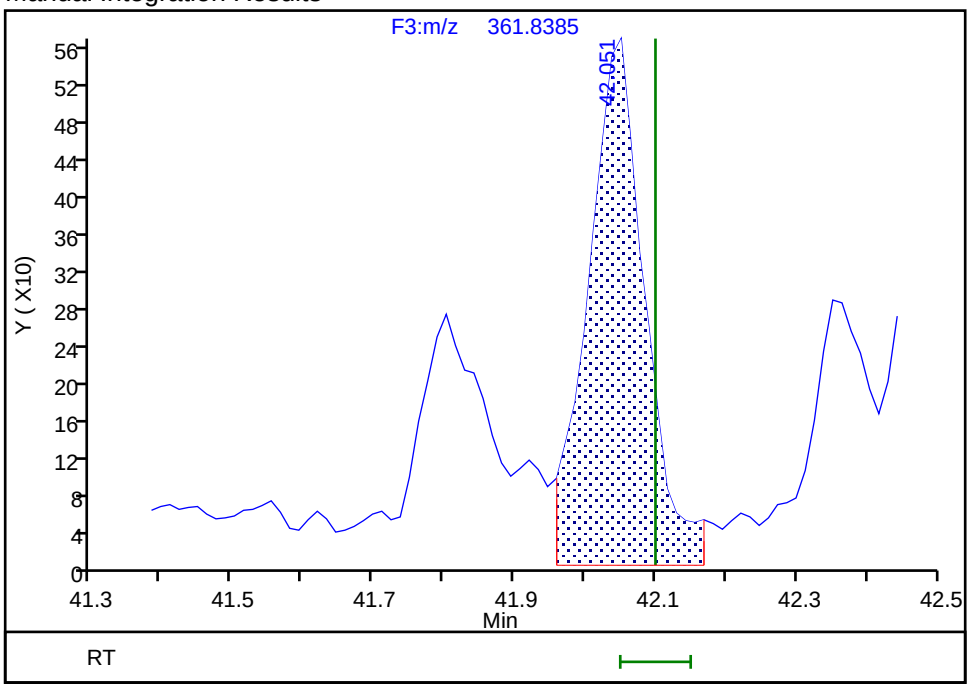
Processing Integration Results

RT: 42.05
Area: 4278
Amount: 2.101465
Amount Units: pg/ul




Manual Integration Results

RT: 42.05
Area: 3089
Amount: 1.776544
Amount Units: pg/ul




Reviewer: nordquistj, 26-Sep-2019 14:49:57

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

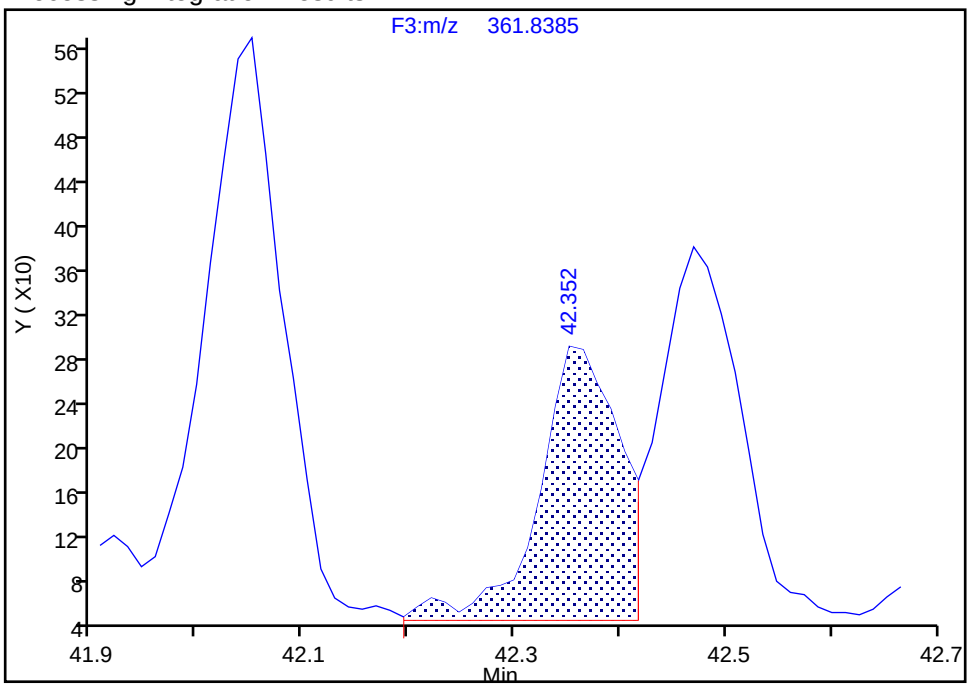
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

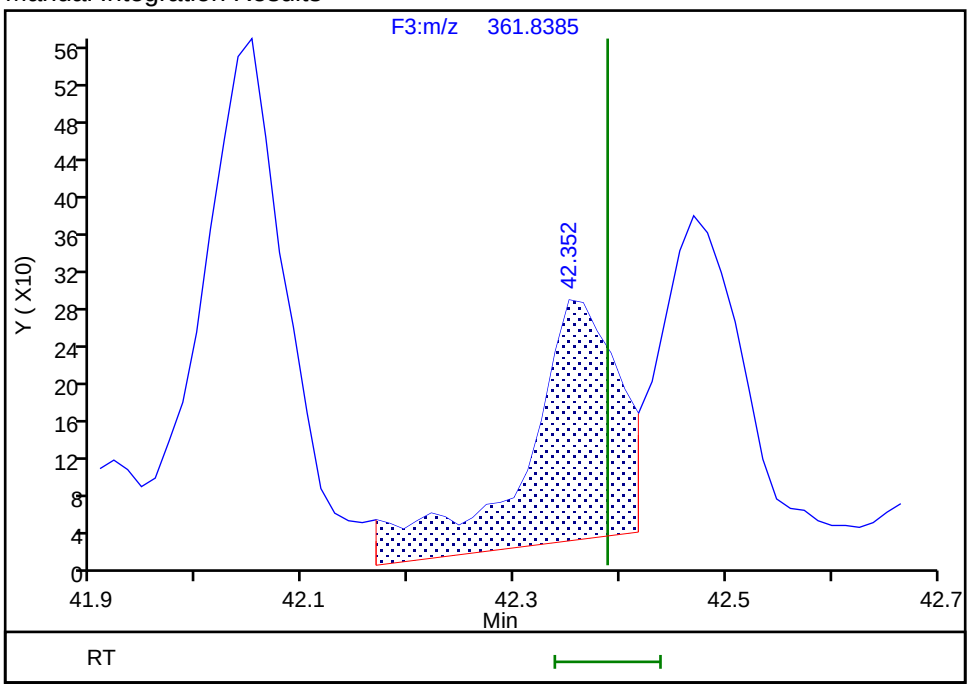
Processing Integration Results

RT: 42.35
Area: 1288
Amount: 0.713510
Amount Units: pg/ul




Manual Integration Results

RT: 42.35
Area: 1562
Amount: 0.785944
Amount Units: pg/ul



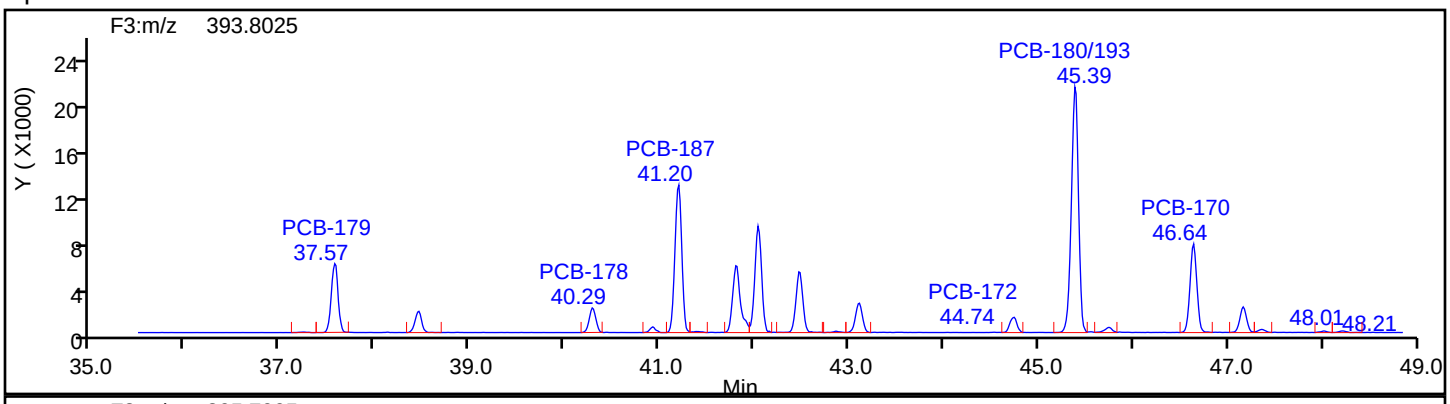

Reviewer: nordquistj, 26-Sep-2019 14:49:57

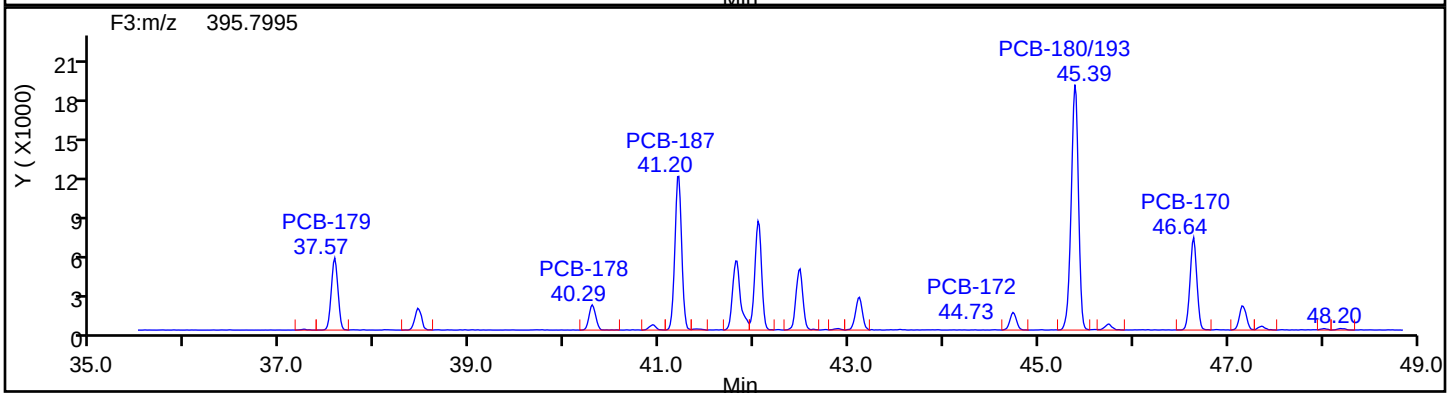
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

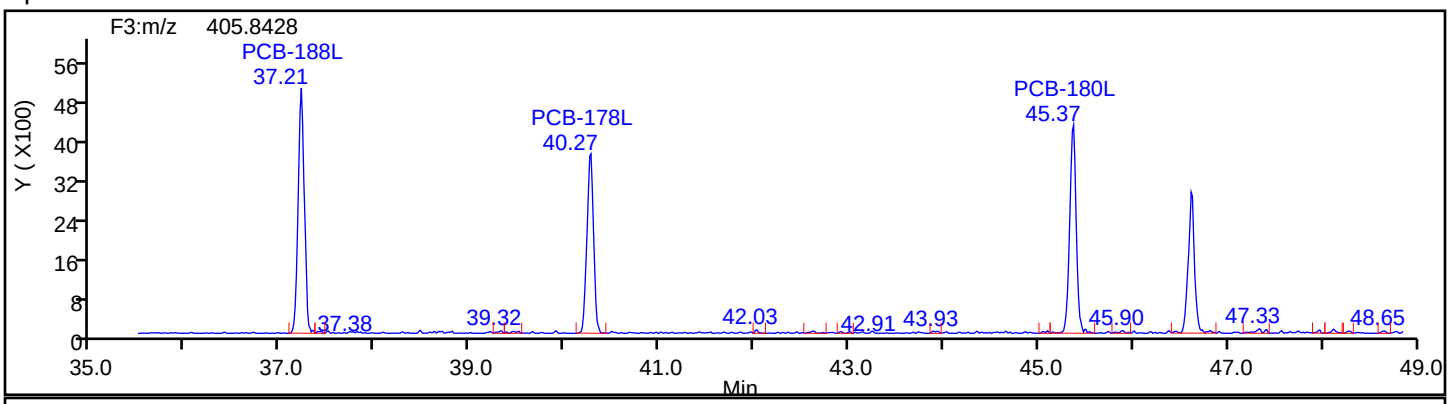
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

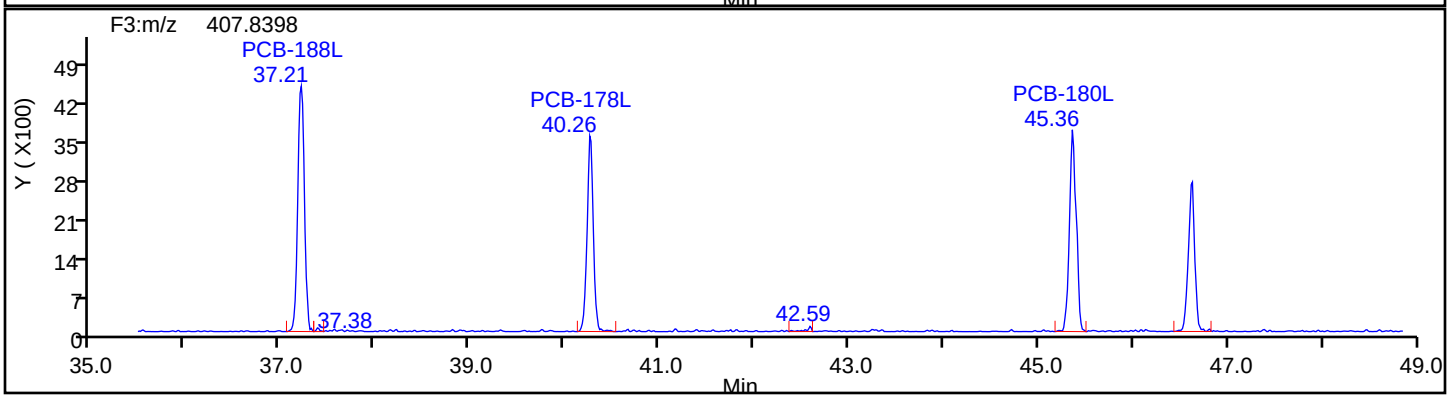
HpPCB F3




HpPCB F3 Standards

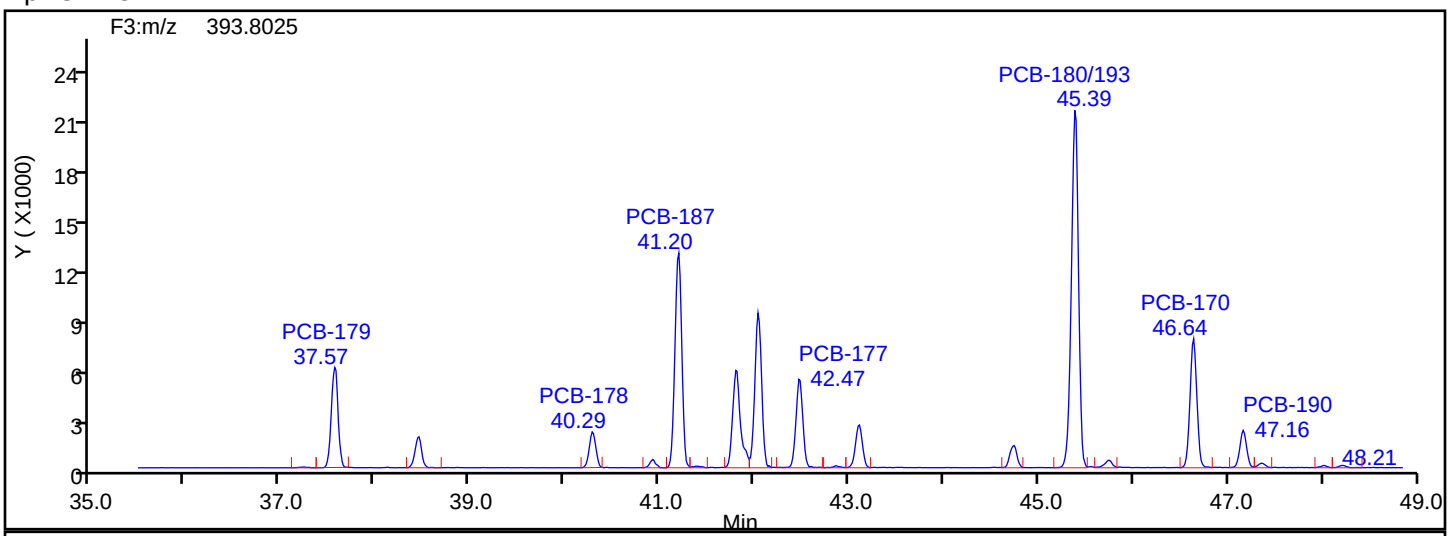


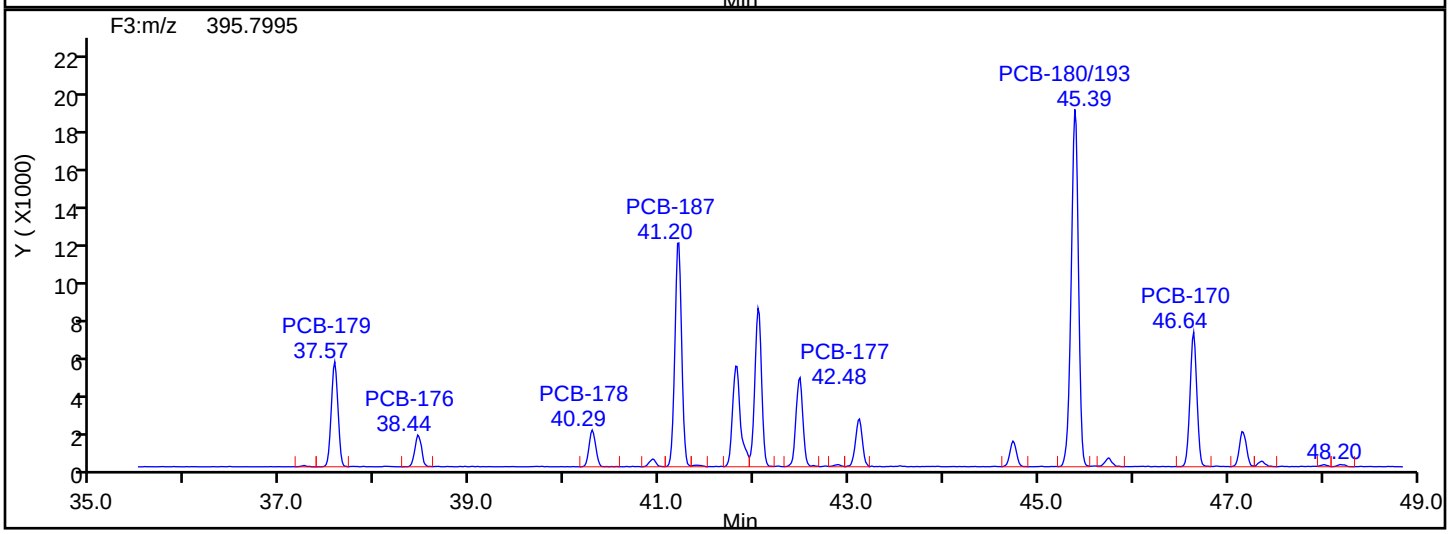



Eurofins TestAmerica, Knoxville

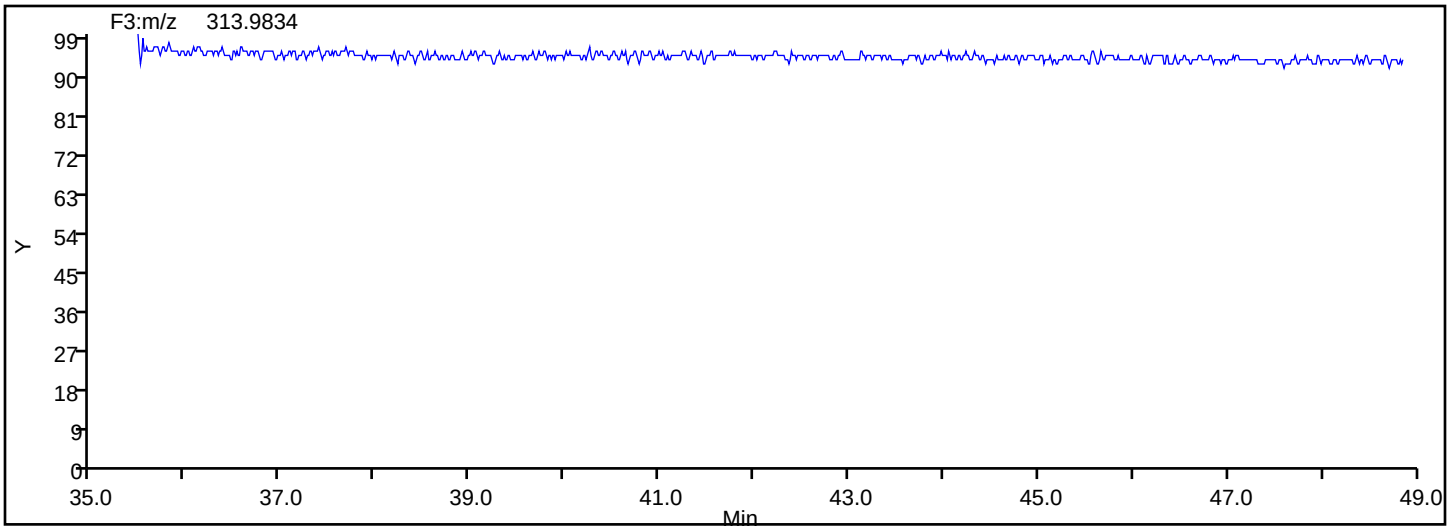
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

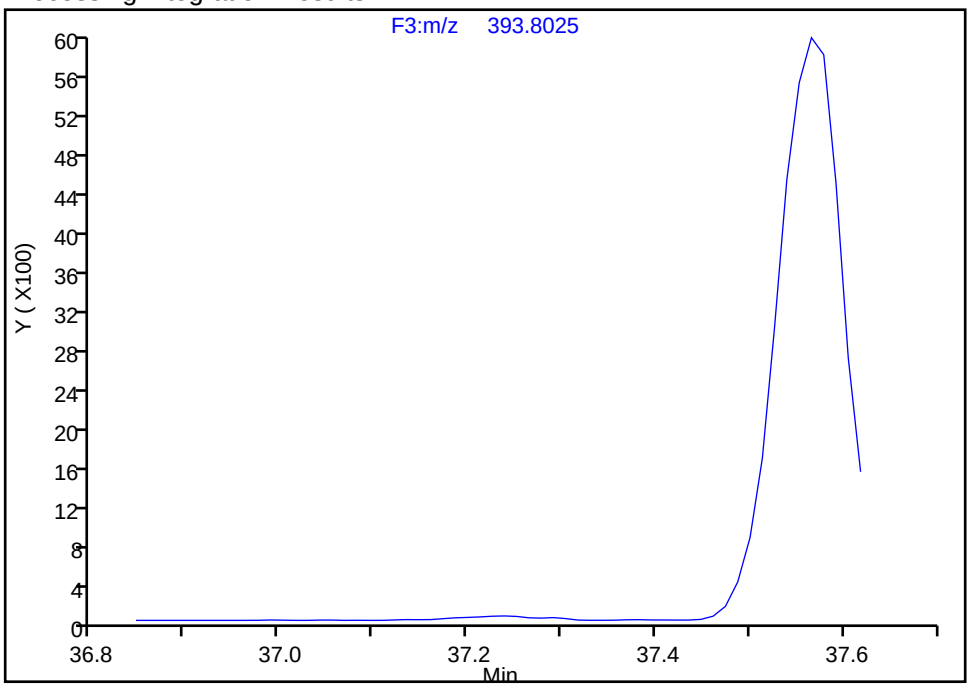
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-188, CAS: 74487-85-7

Signal: 1

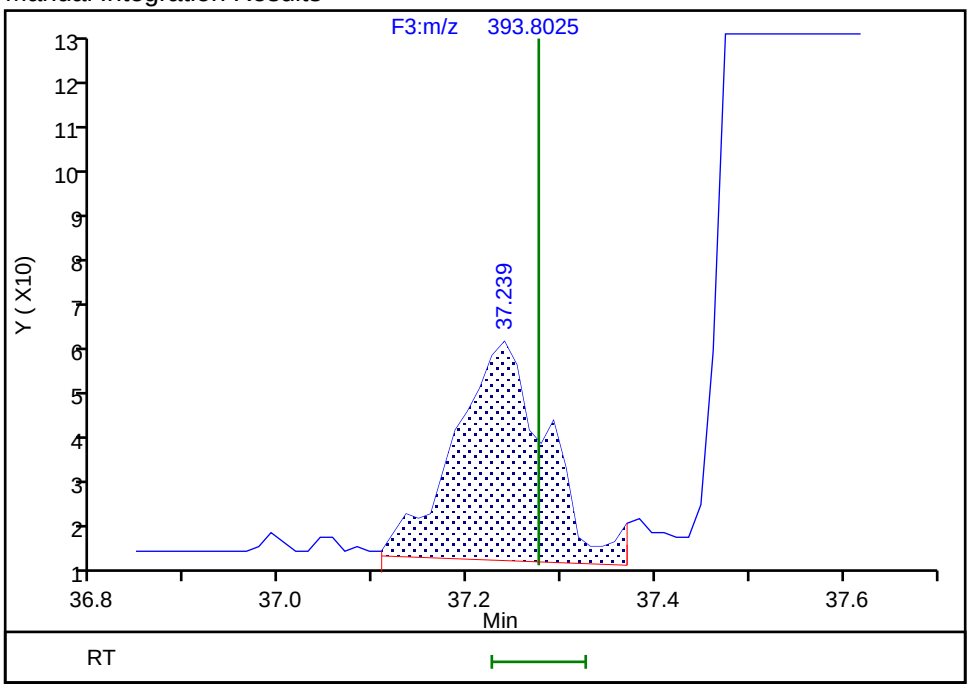
Not Detected
Expected RT: 37.28

Processing Integration Results




Manual Integration Results

RT: 37.24
Area: 319
Amount: 0.233243
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:36:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

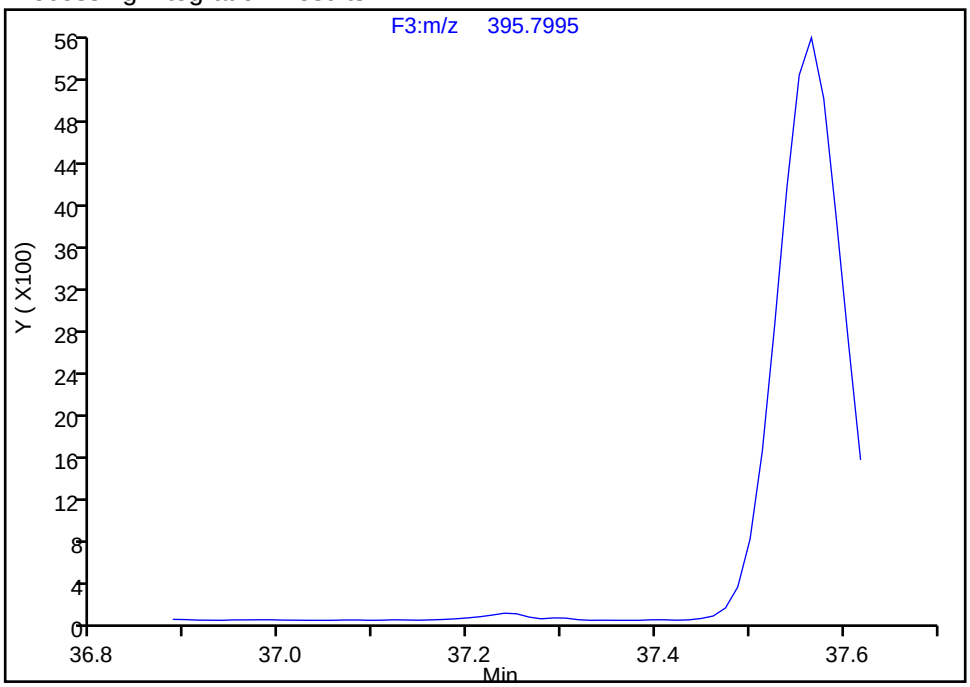
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-188, CAS: 74487-85-7

Signal: 2

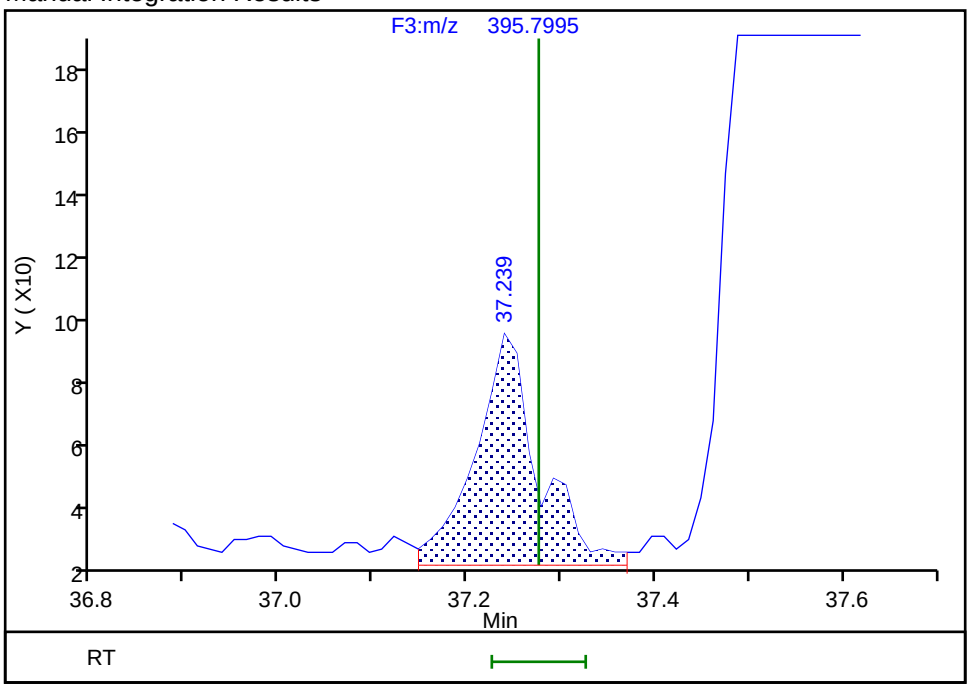
Not Detected
Expected RT: 37.28

Processing Integration Results




Manual Integration Results

RT: 37.24
Area: 335
Amount: 0.233243
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:36:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-179, CAS: 52663-64-6

Signal: 3

Processing Integration Results

| | |
|---|---|
| RT: | 37.57 |
| Area: | 57055 |
| Amount: | 22.617234 |
| Amount Units: | pg/ul |

Manual Integration Results

| | |
|---|---|
| RT: | 37.57 |
| Area: | 56612 |
| Amount: | 22.441624 |
| Amount Units: | pg/ul |

Reviewer: layk, 26-Sep-2019 11:36:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

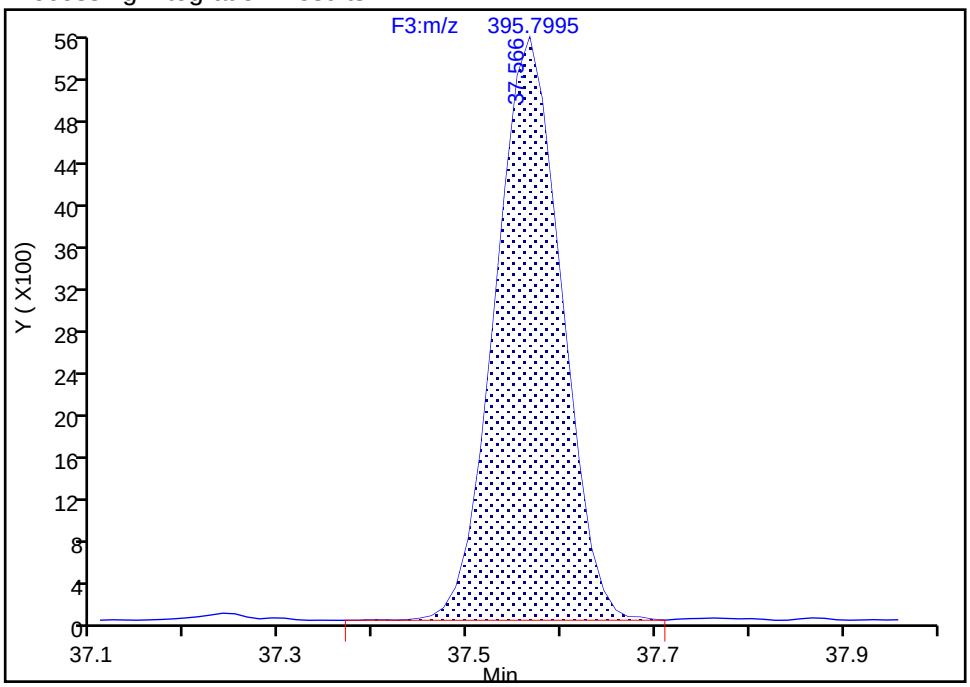
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-179, CAS: 52663-64-6

Signal: 2

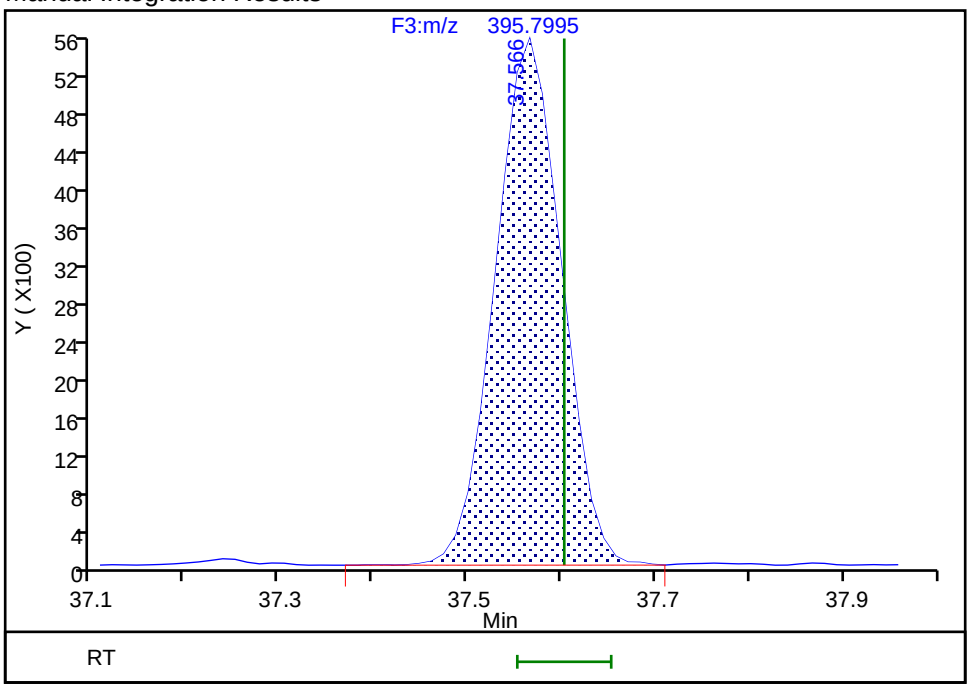
Processing Integration Results

RT: 37.57
Area: 27324
Amount: 22.617234
Amount Units: pg/ul




Manual Integration Results

RT: 37.57
Area: 27324
Amount: 22.441624
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:36:46
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

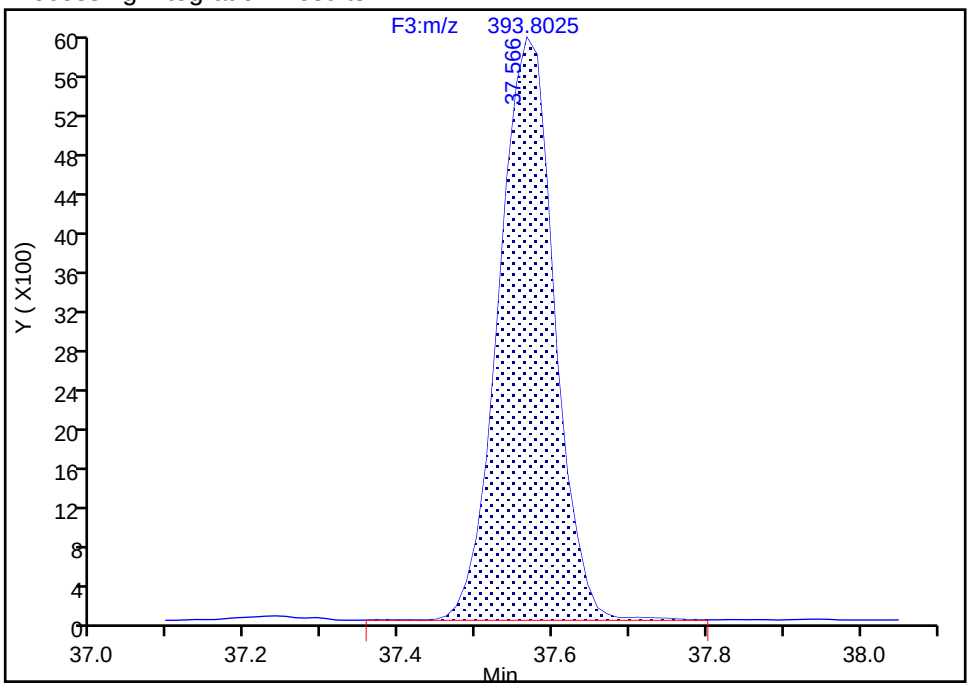
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-179, CAS: 52663-64-6

Signal: 1

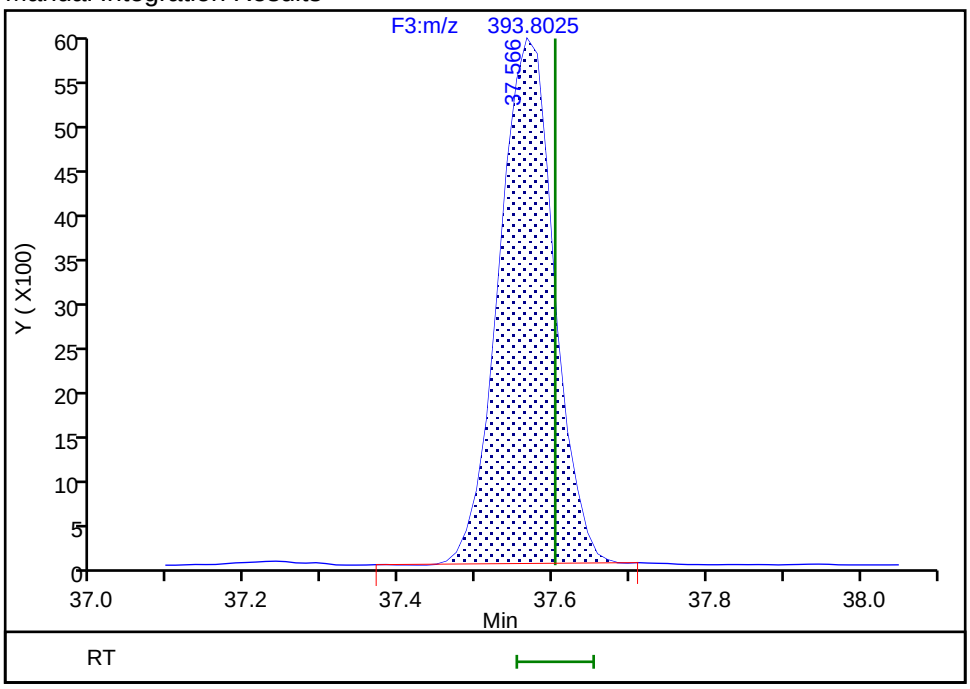
Processing Integration Results

RT: 37.57
Area: 29731
Amount: 22.617234
Amount Units: pg/ul




Manual Integration Results

RT: 37.57
Area: 29288
Amount: 22.441624
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:37:12

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

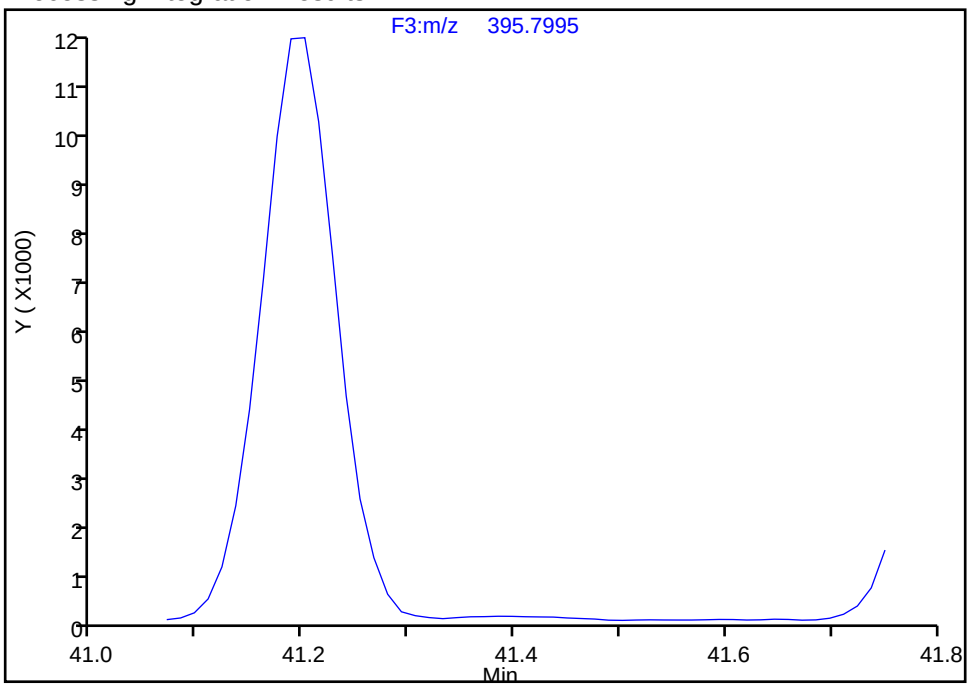
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-182, CAS: 60145-23-5

Signal: 2

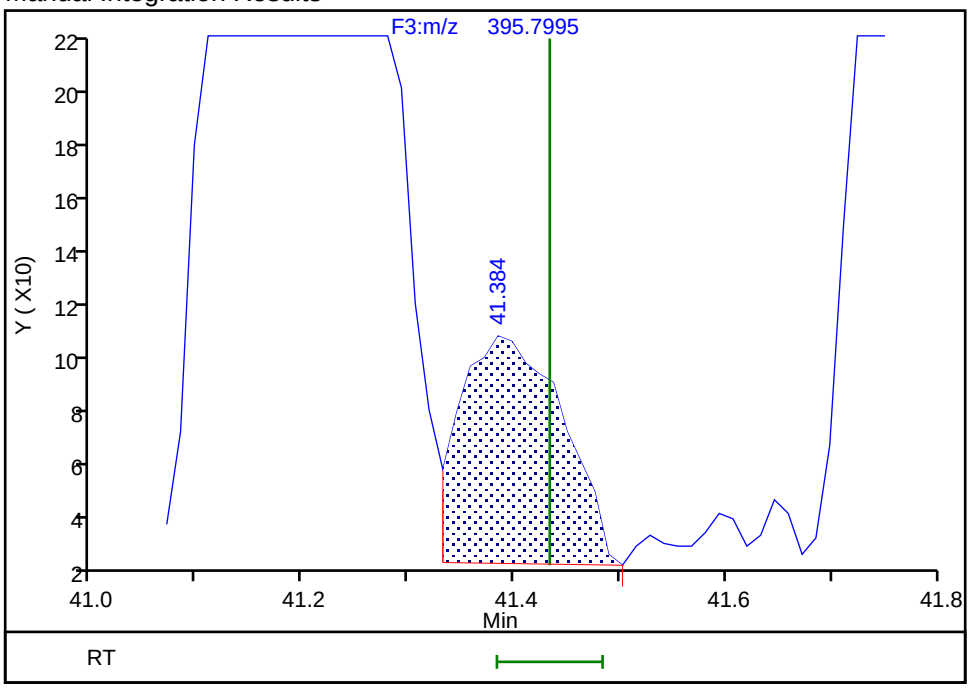
Not Detected
Expected RT: 41.43

Processing Integration Results




Manual Integration Results

RT: 41.38
Area: 557
Amount: 0.576811
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:38:24
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

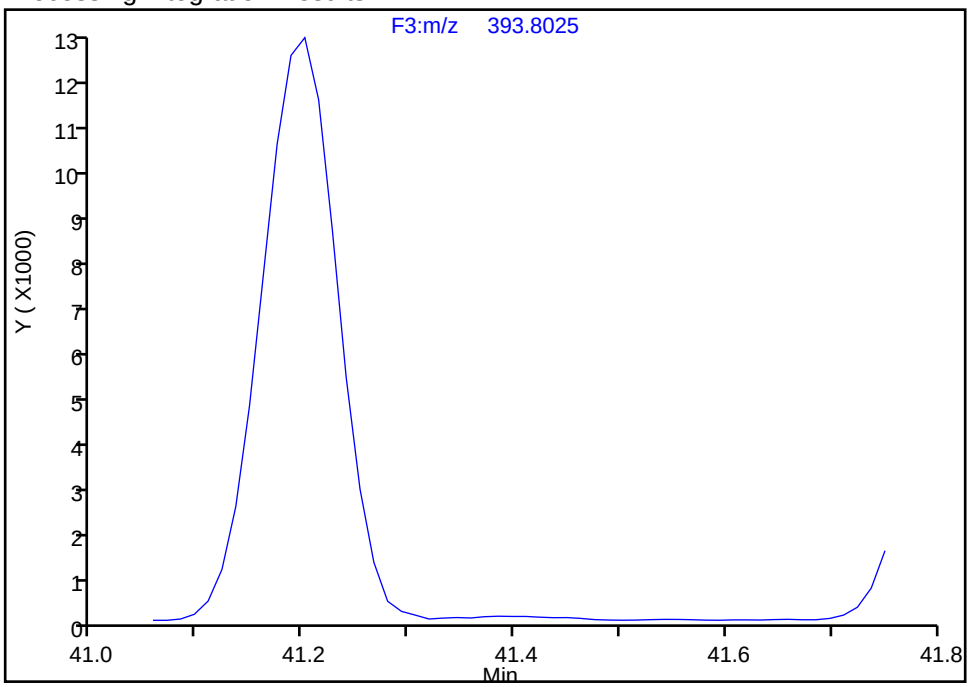
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-182, CAS: 60145-23-5

Signal: 1

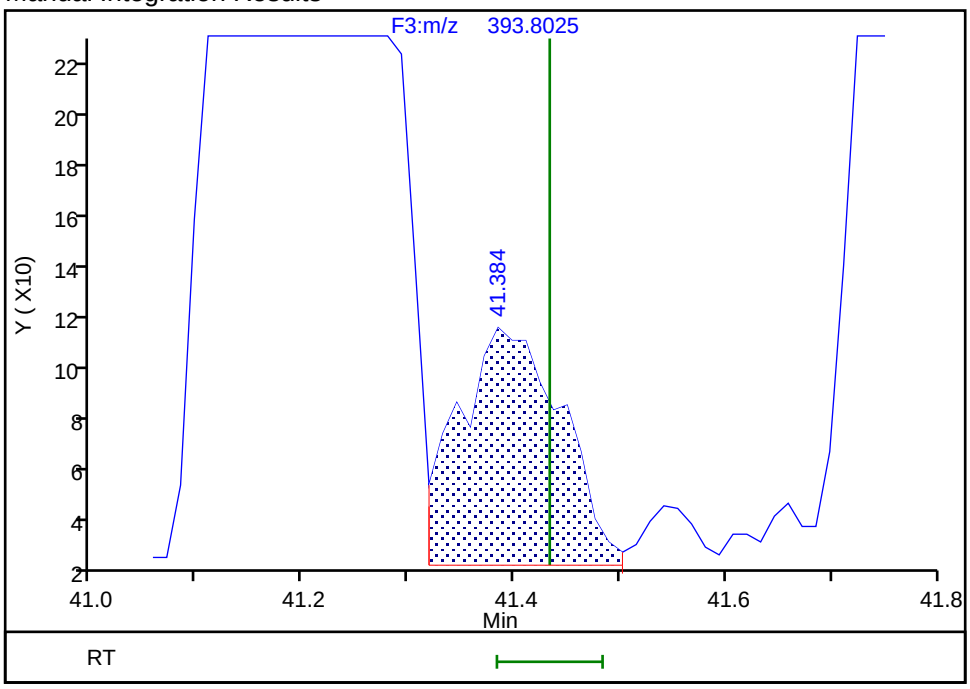
Not Detected
Expected RT: 41.43

Processing Integration Results




Manual Integration Results

RT: 41.38
Area: 624
Amount: 0.576811
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:38:24
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

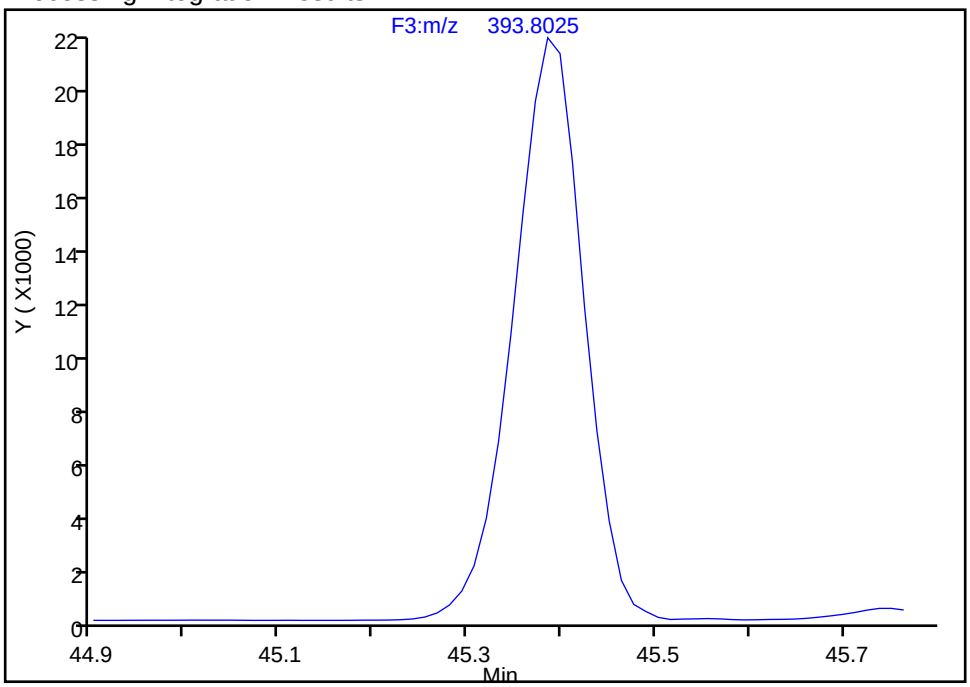
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

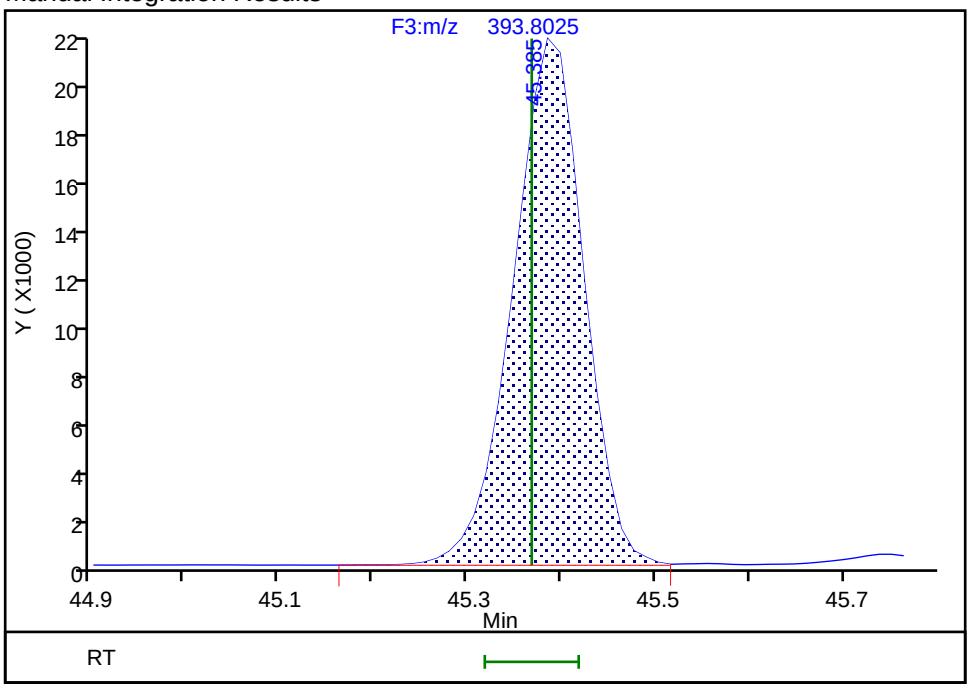
Not Detected
Expected RT: 45.37

Processing Integration Results




Manual Integration Results

RT: 45.39
Area: 110535
Amount: 96.767136
Amount Units: pg/ul

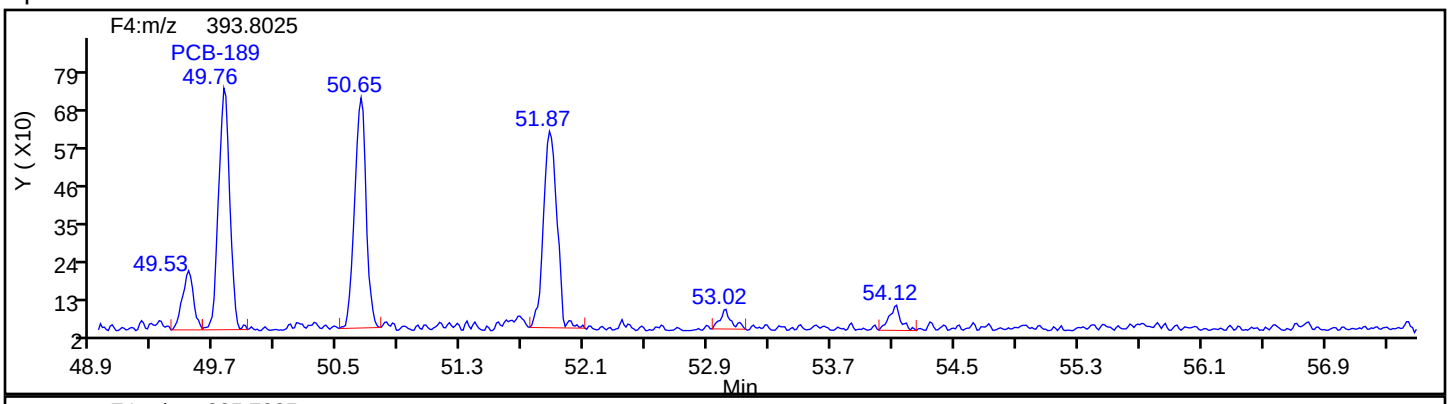


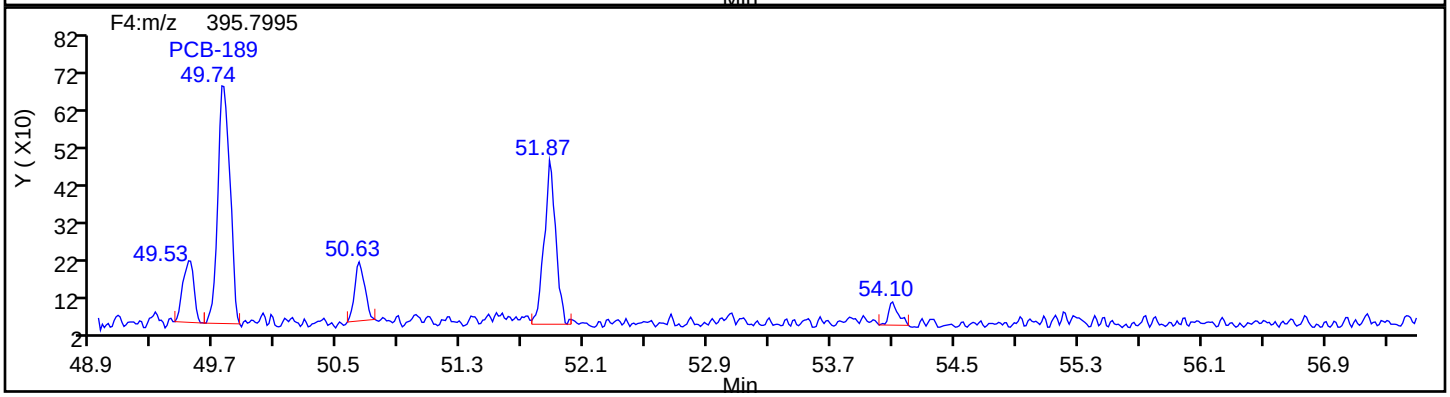

Reviewer: layk, 26-Sep-2019 11:39:00
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Eurofins TestAmerica, Knoxville

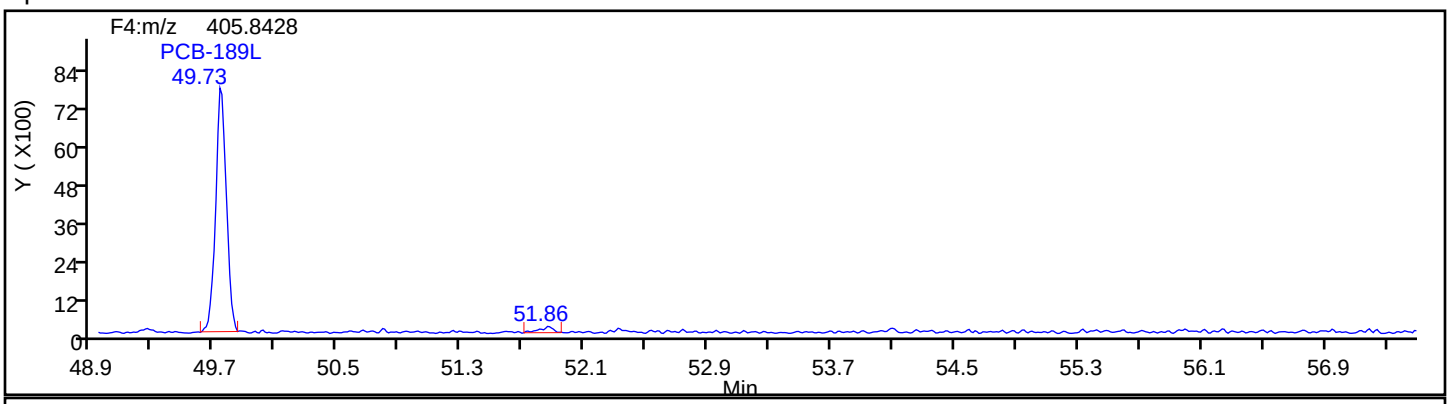
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

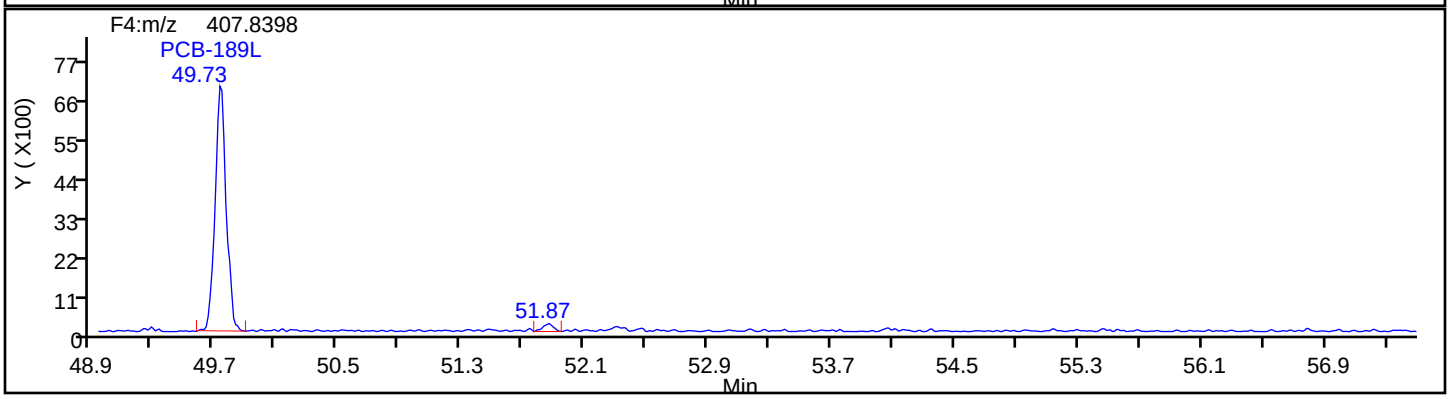
HpPCB F4




HpPCB F4 Standards

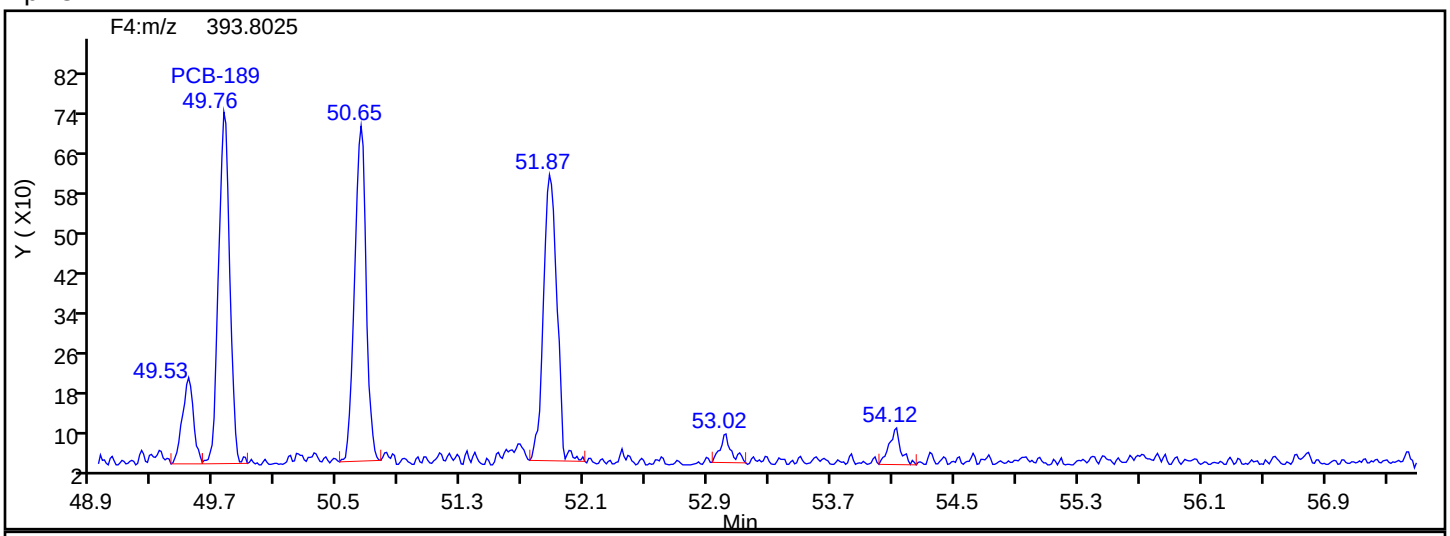


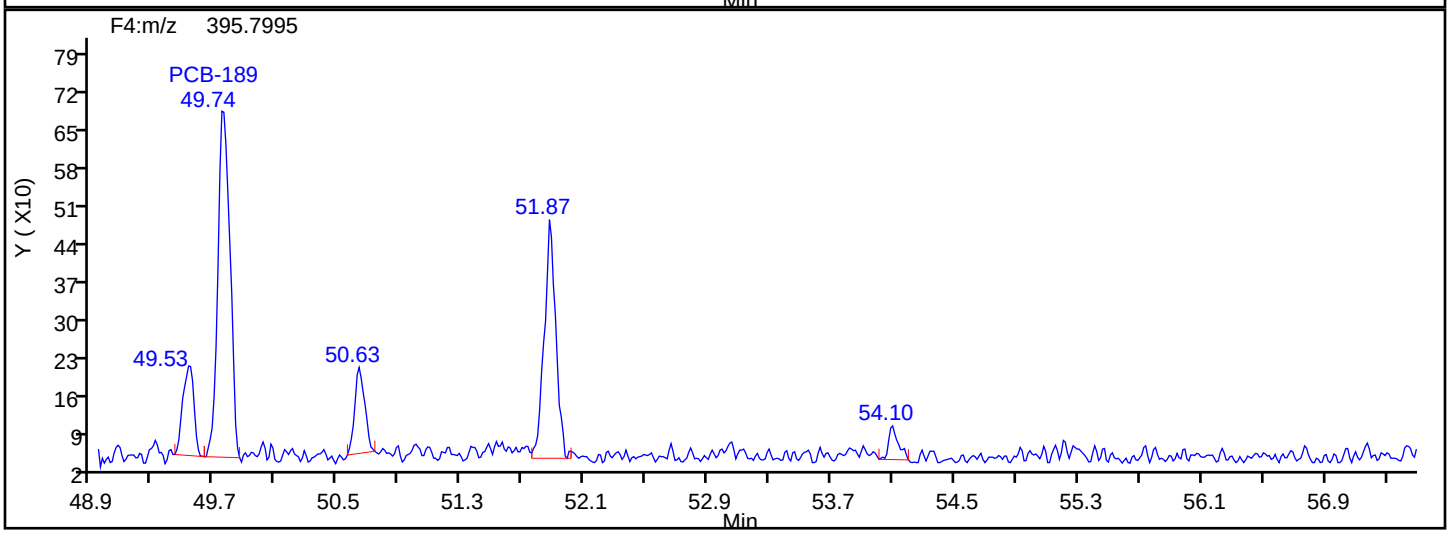



Eurofins TestAmerica, Knoxville

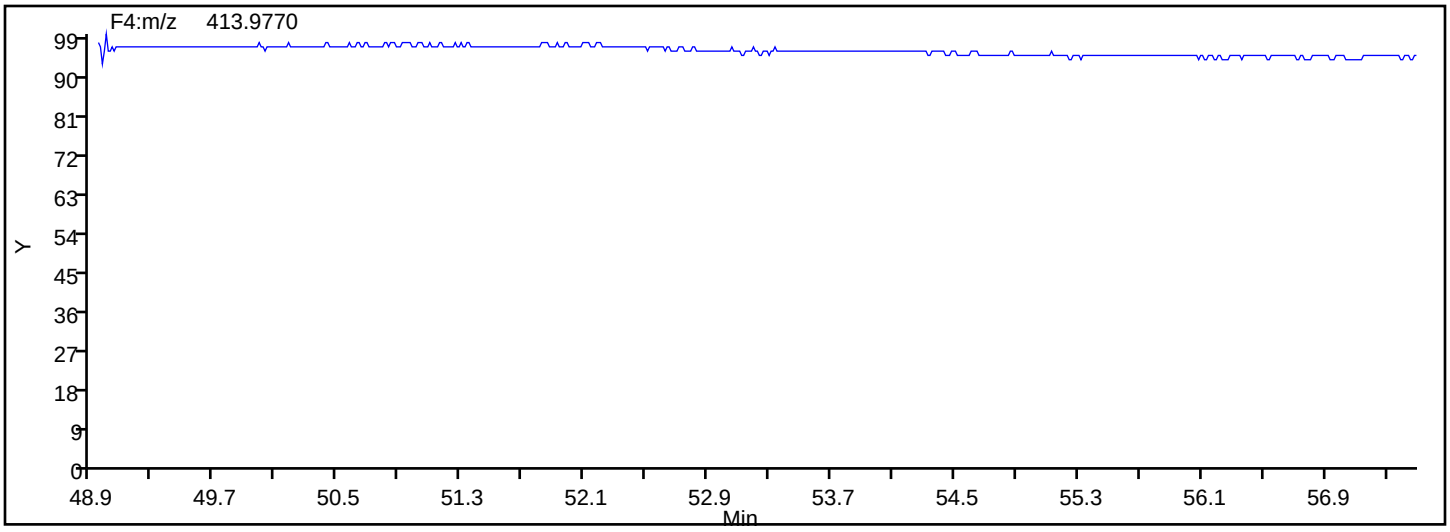
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



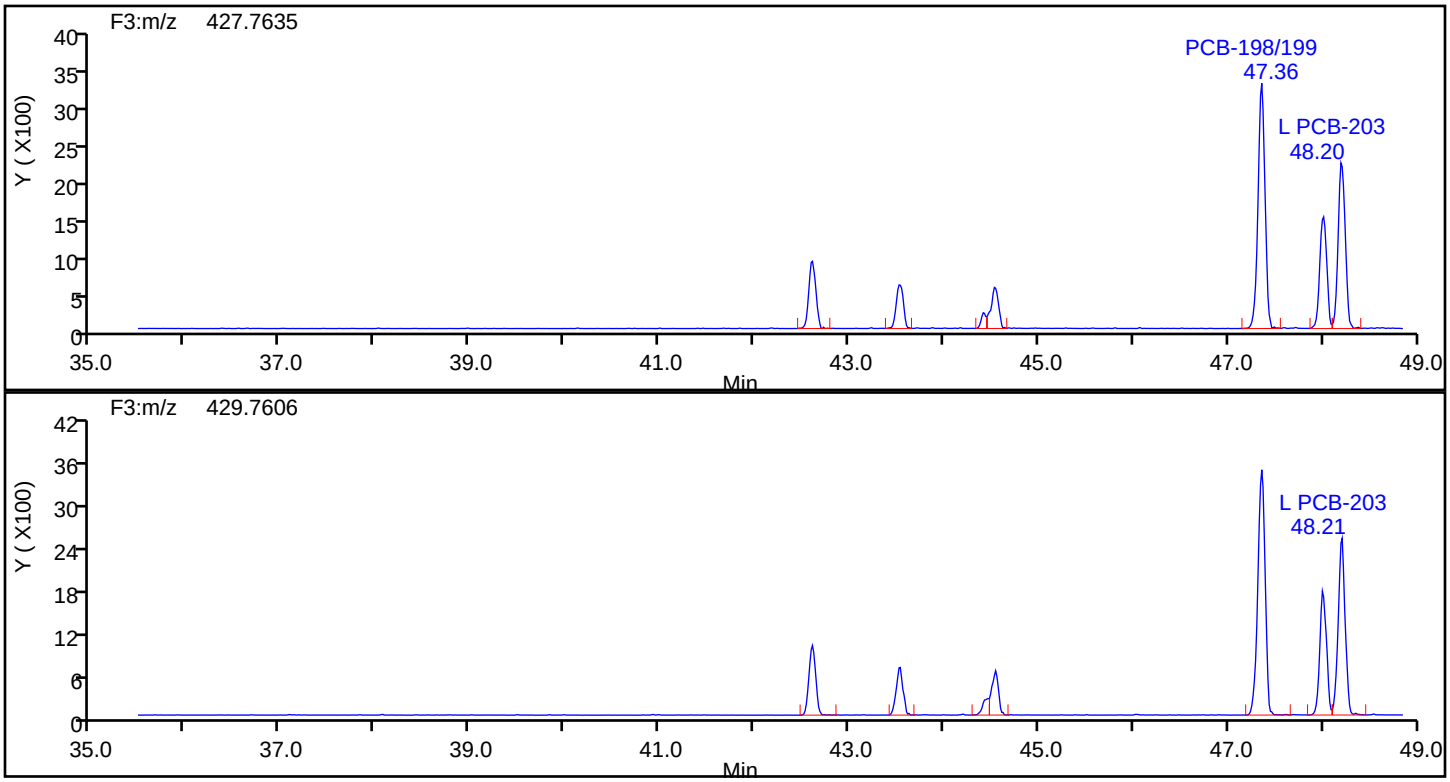

HpPCB F4 Lock Mass



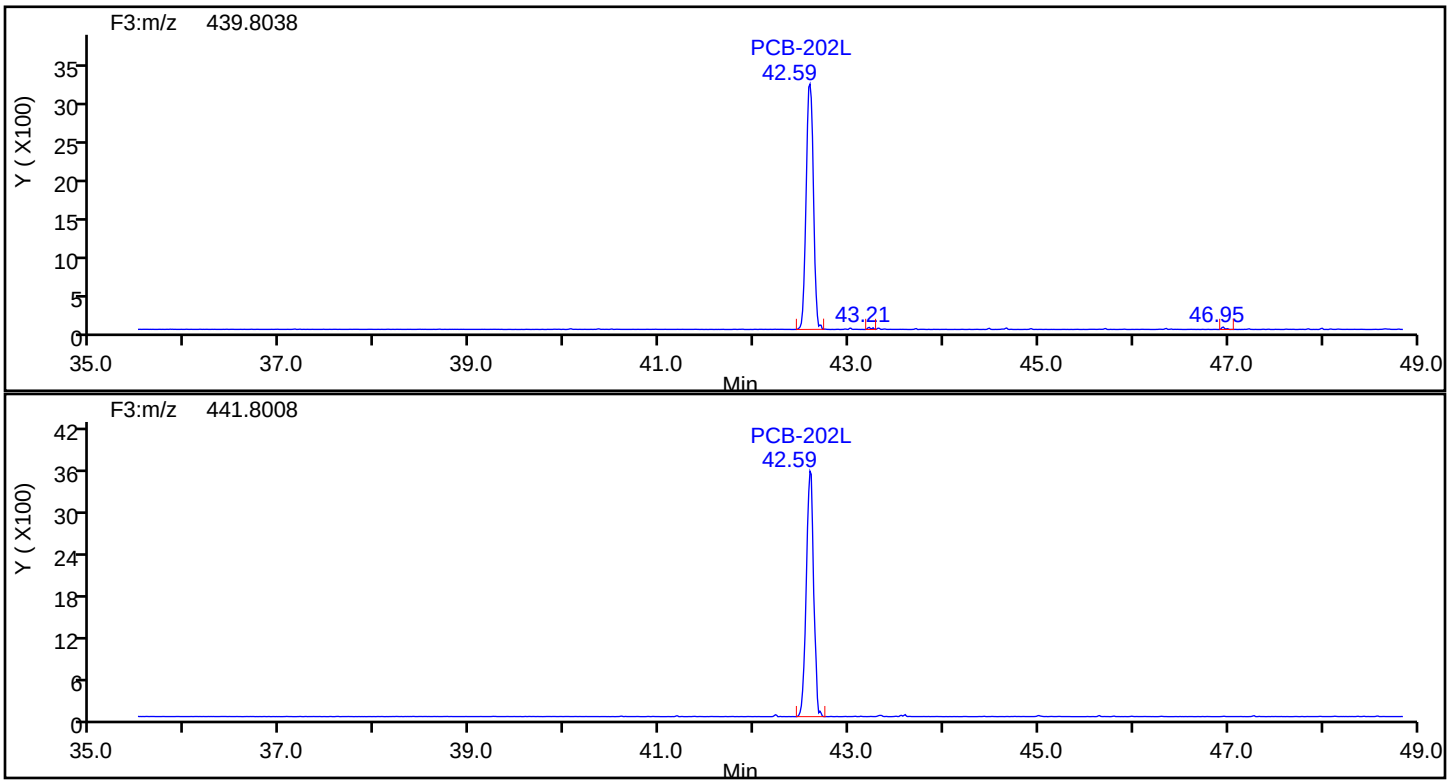
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



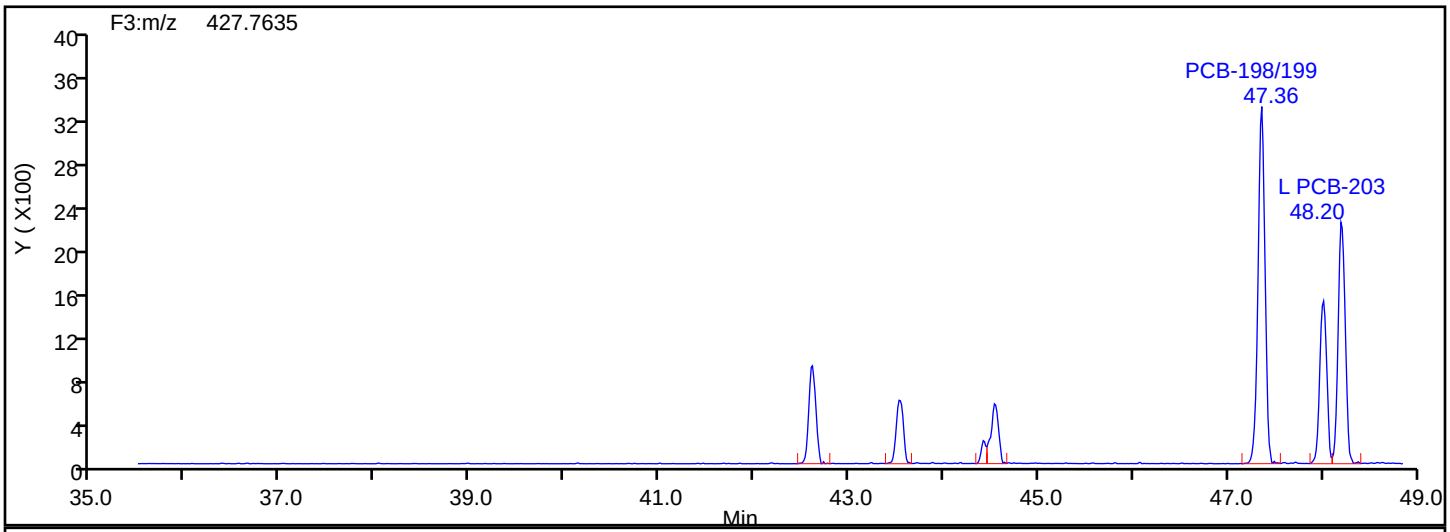

OcPCB F3 Standards

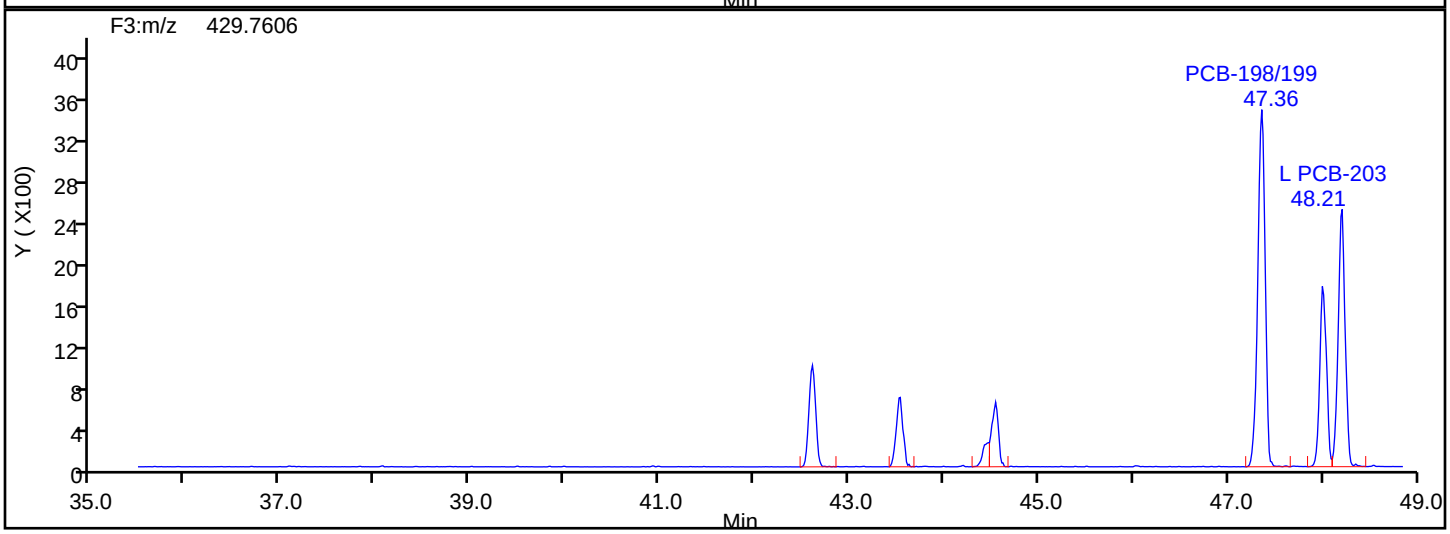


Eurofins TestAmerica, Knoxville

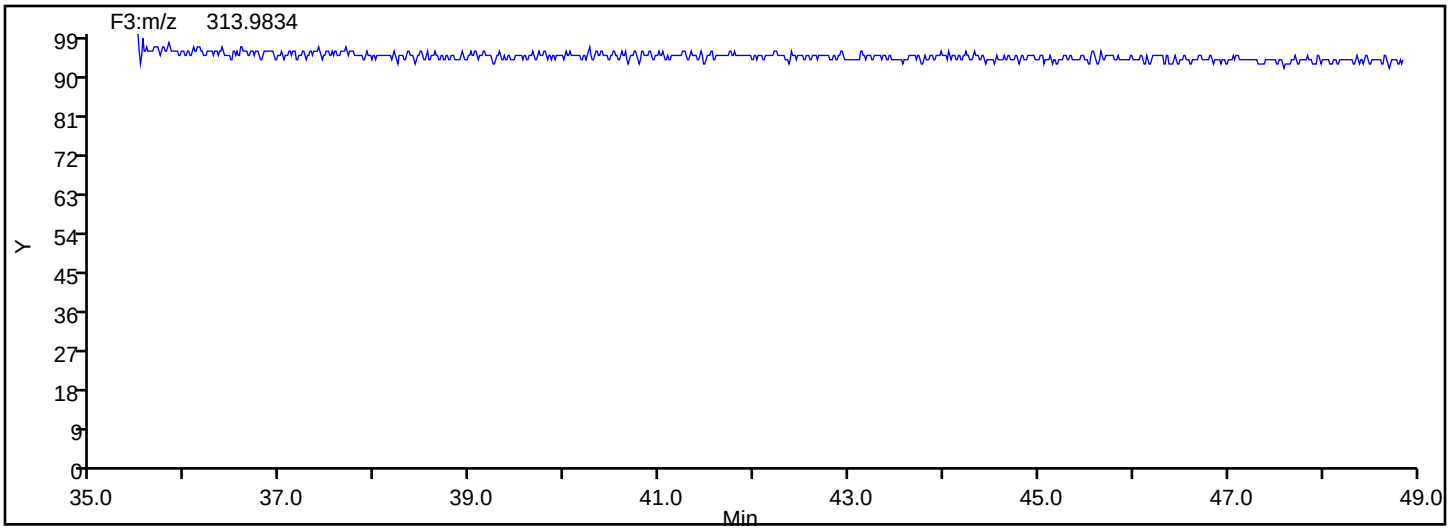
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

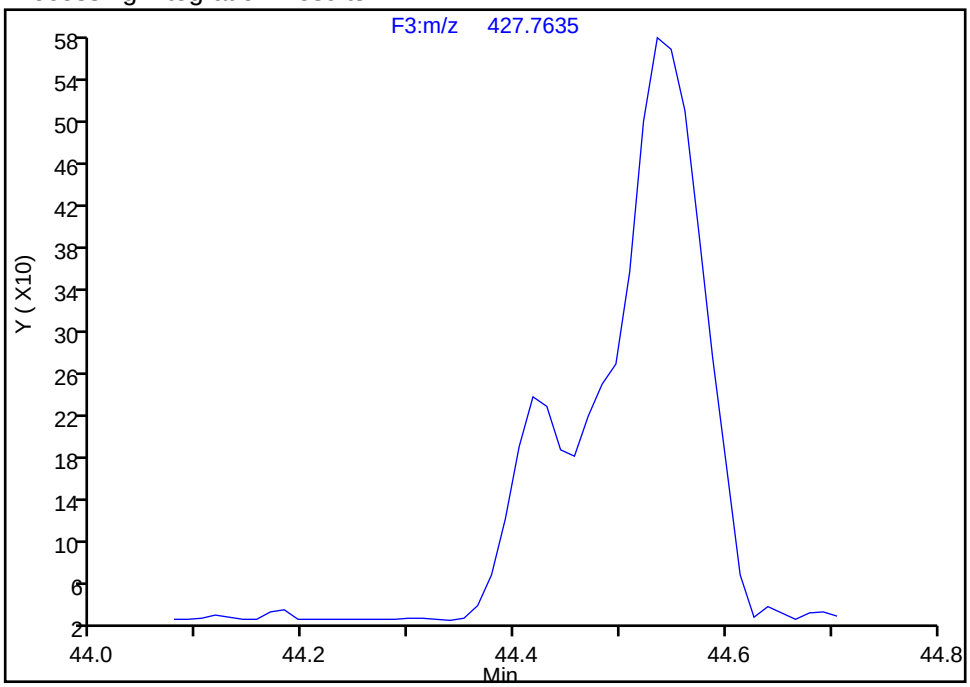
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-28-C | Lab Sample ID: | 140-88908-28 | | |
| Client ID: | J5-SC1b-40to50-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-197, CAS: 33091-17-7

Signal: 1

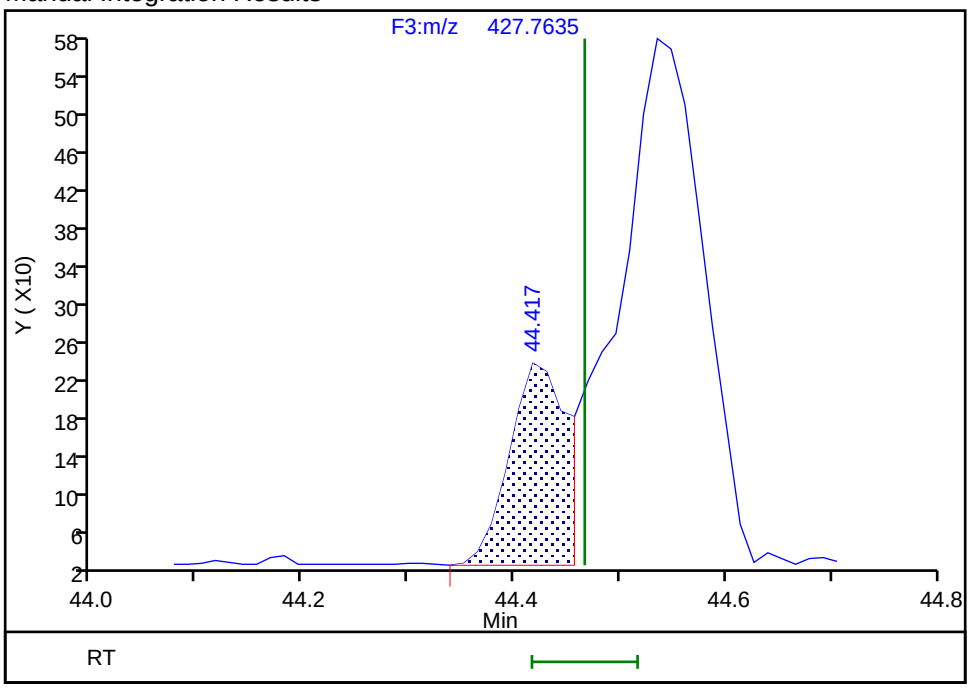
Not Detected
Expected RT: 44.47

Processing Integration Results




Manual Integration Results

RT: 44.42
Area: 761
Amount: 0.851249
Amount Units: pg/ul




Reviewer: layk, 26-Sep-2019 11:39:33
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Report Date: 26-Sep-2019 14:52:20 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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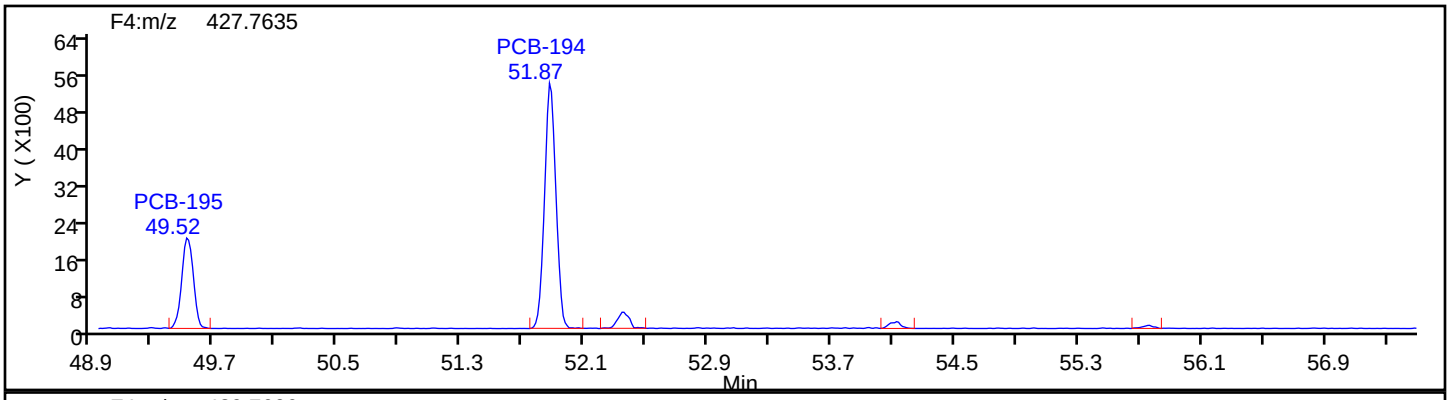
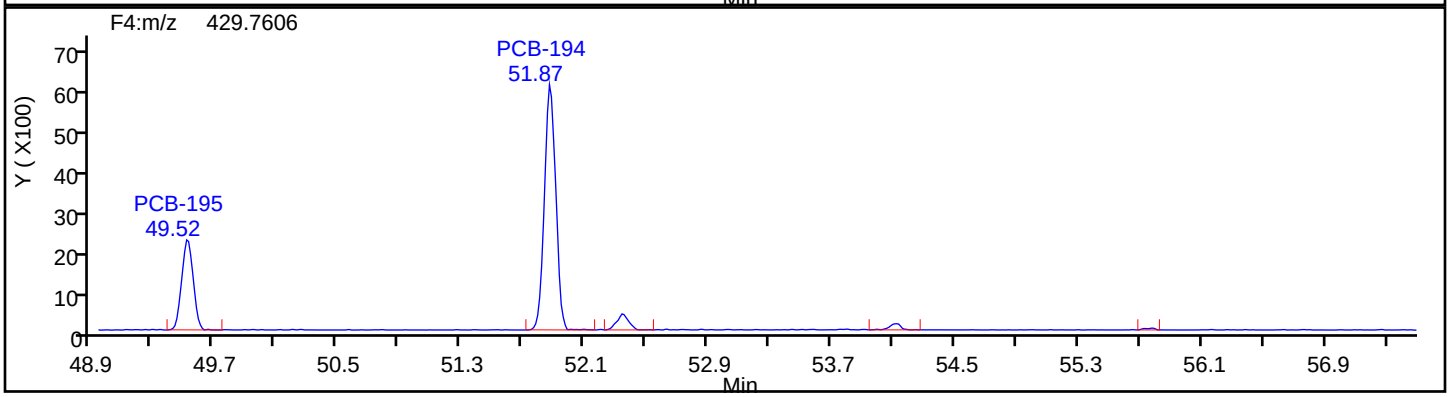
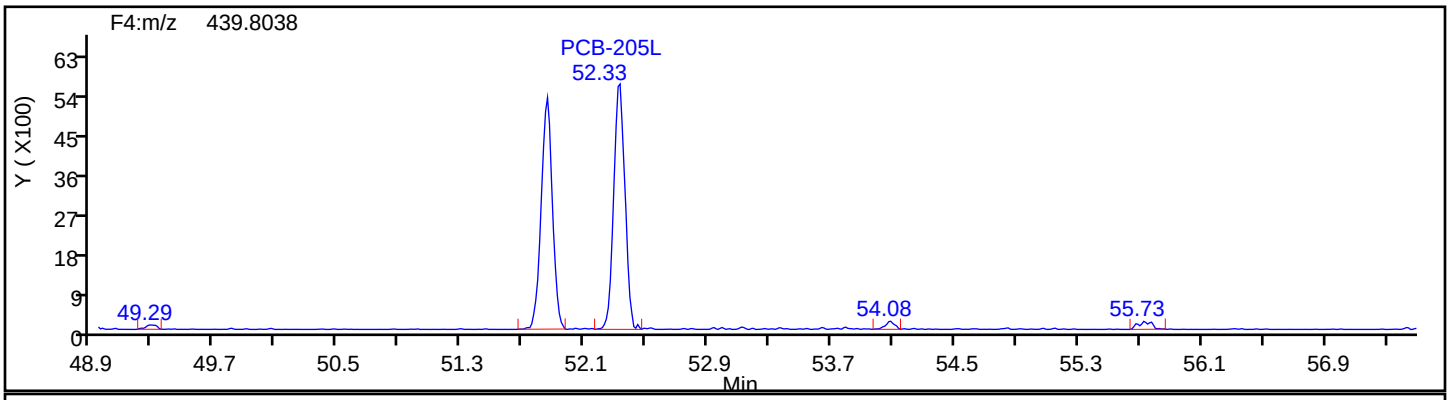
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

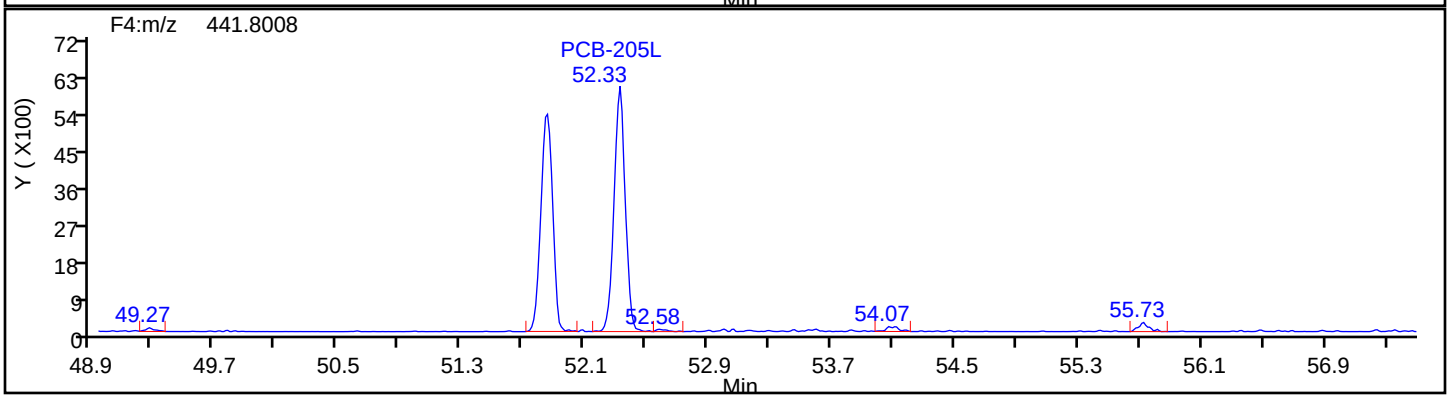
OcPCB F4




OcPCB F4 Standards

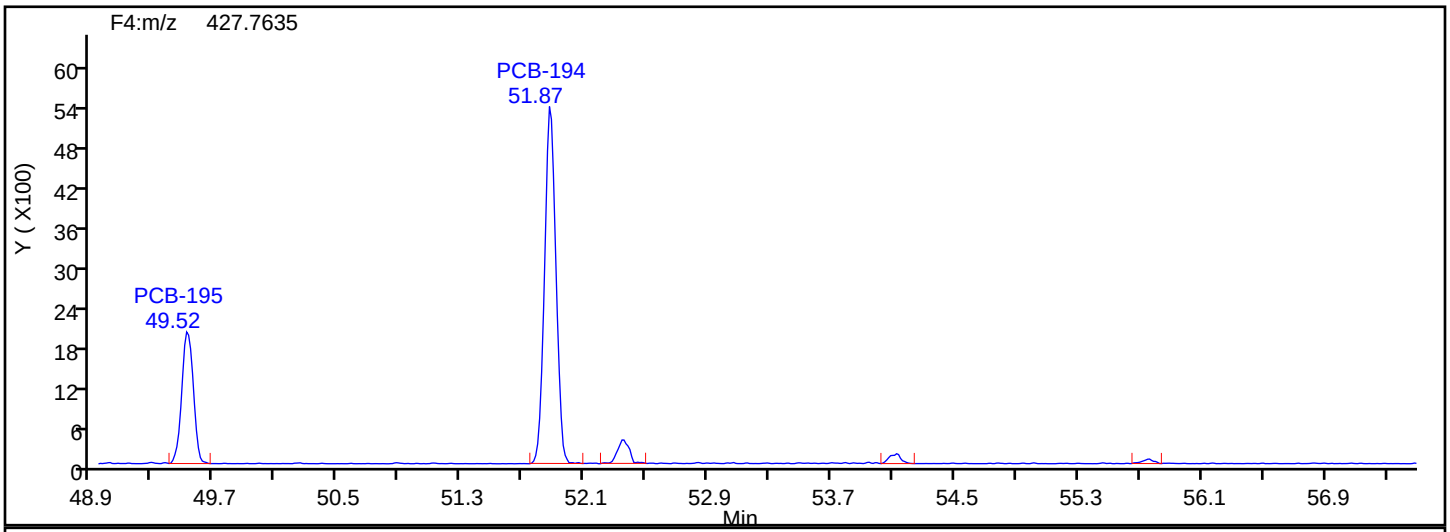


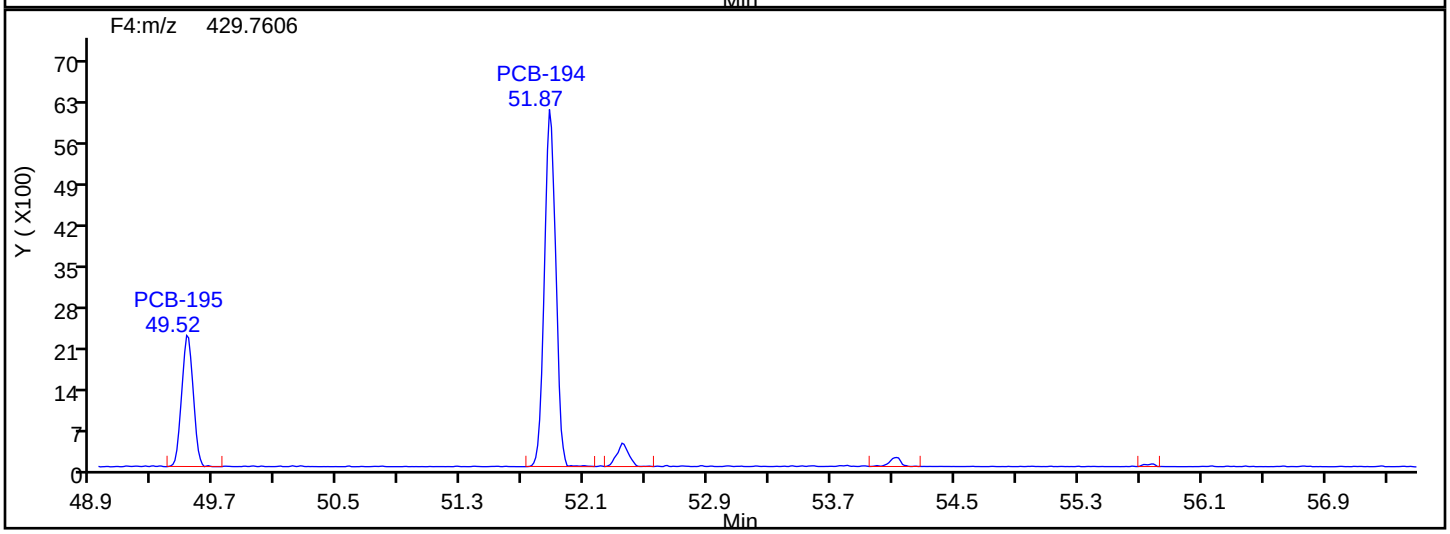



Eurofins TestAmerica, Knoxville

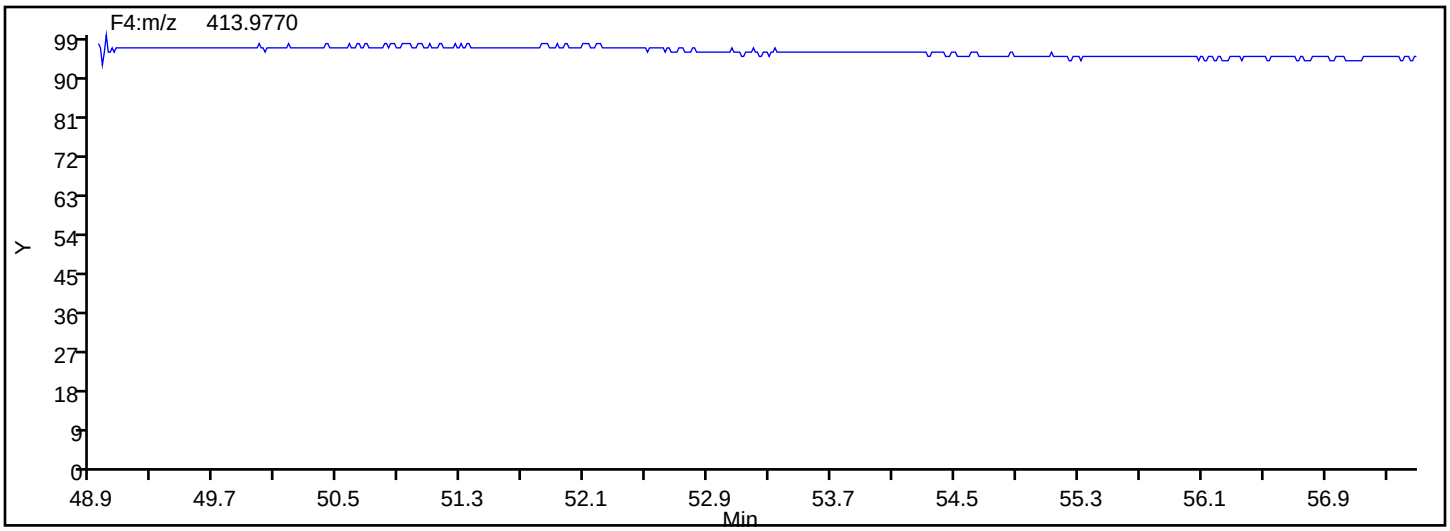
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Report Date: 26-Sep-2019 14:52:20 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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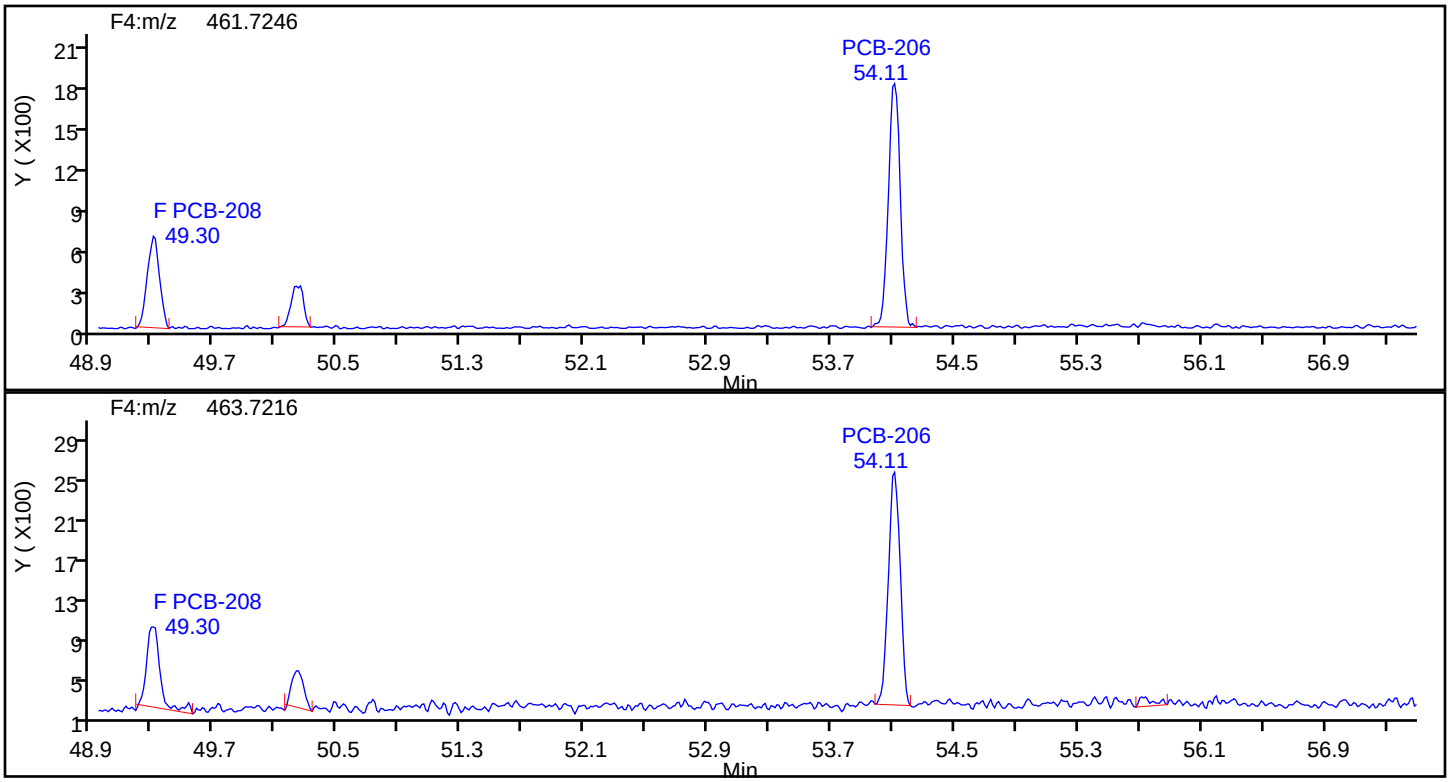
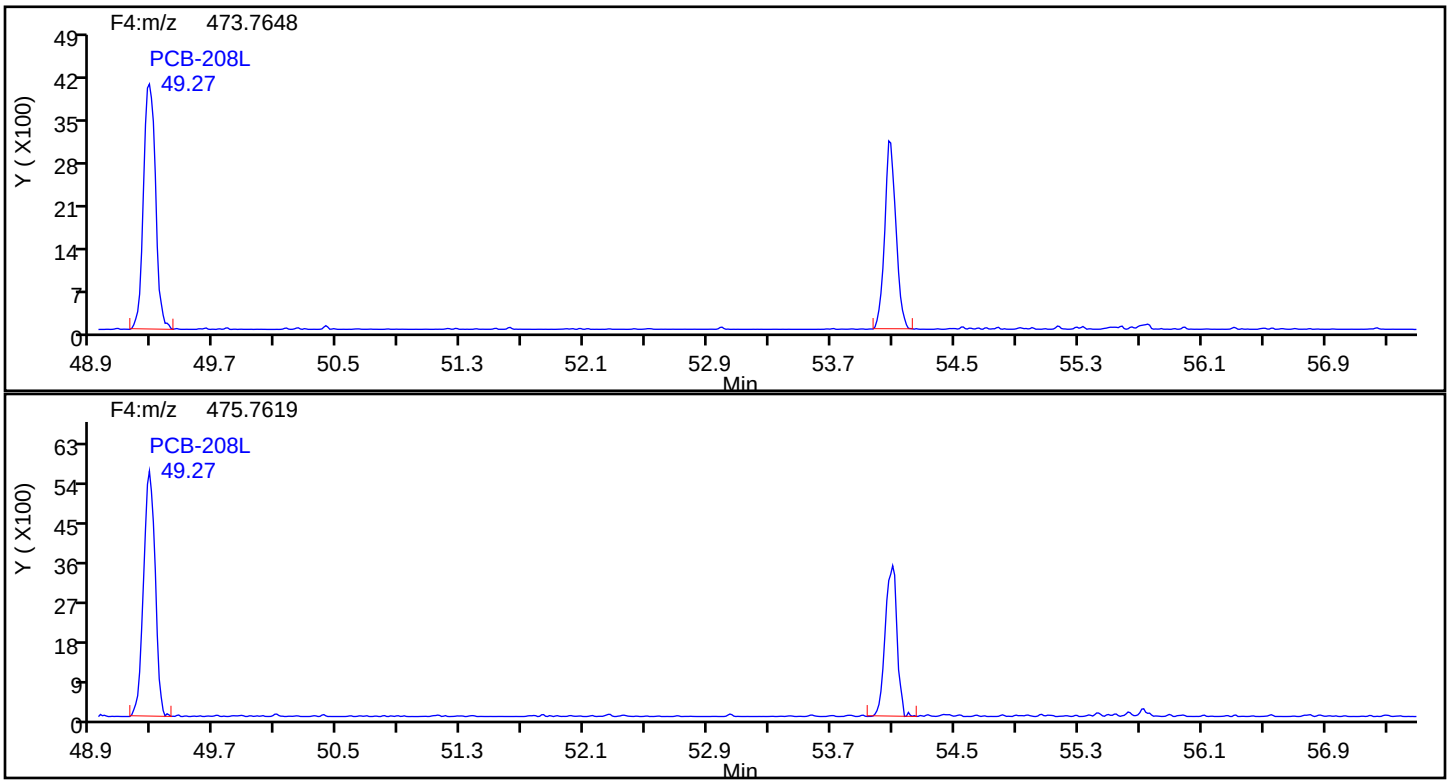
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



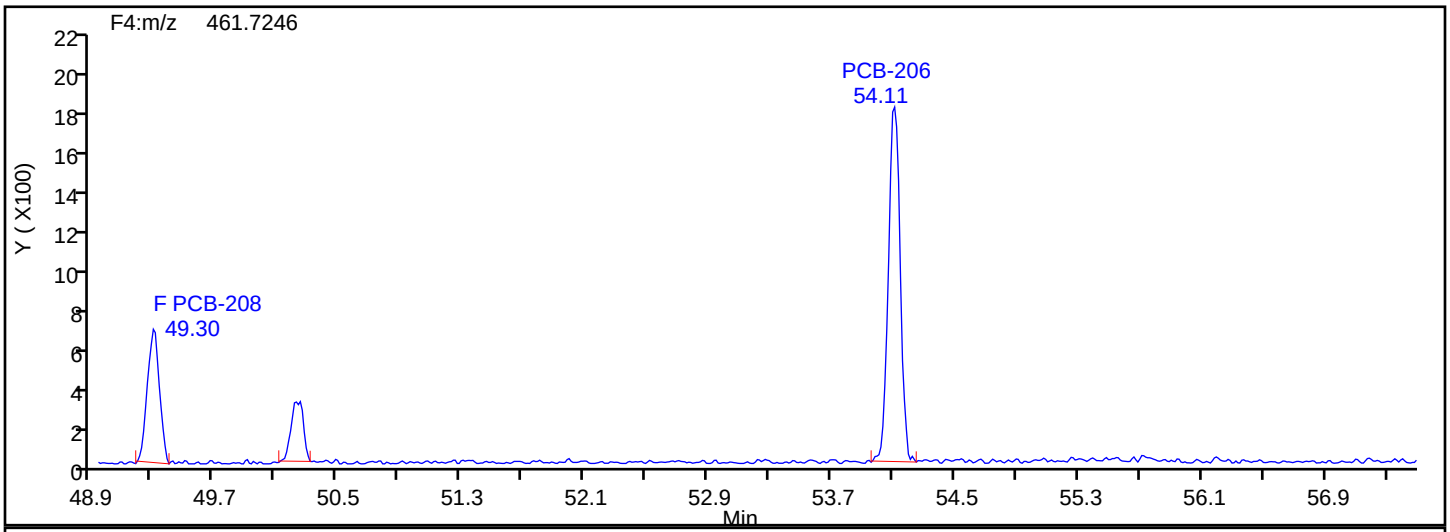

NoPCB F4 Standards

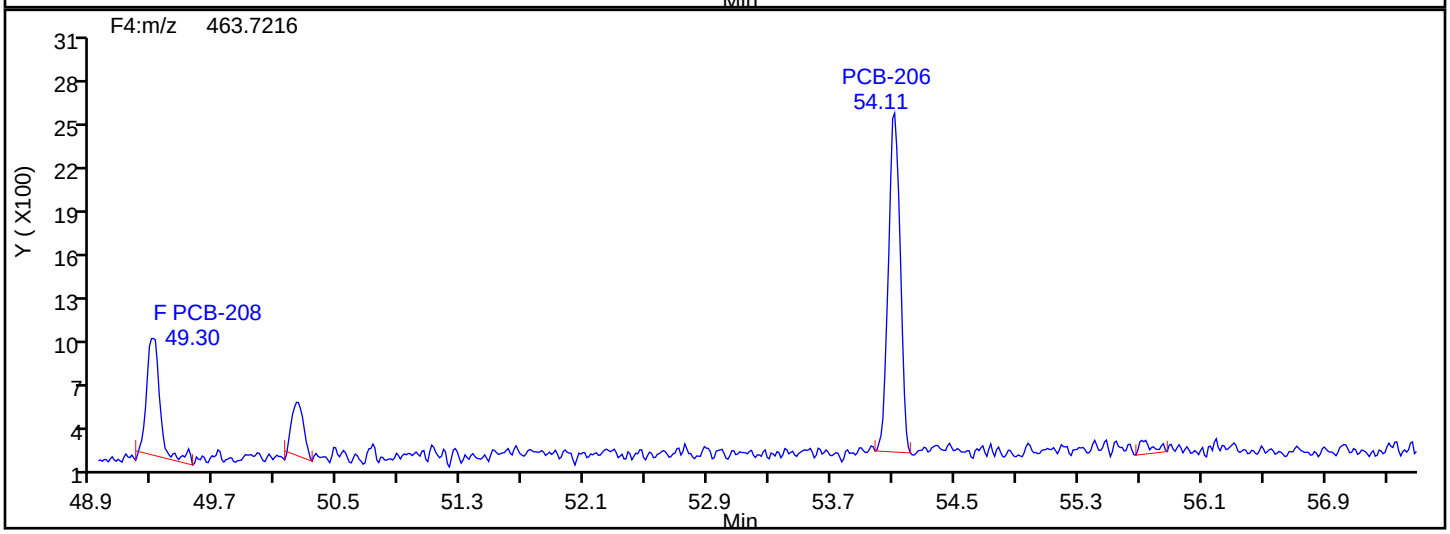


Eurofins TestAmerica, Knoxville

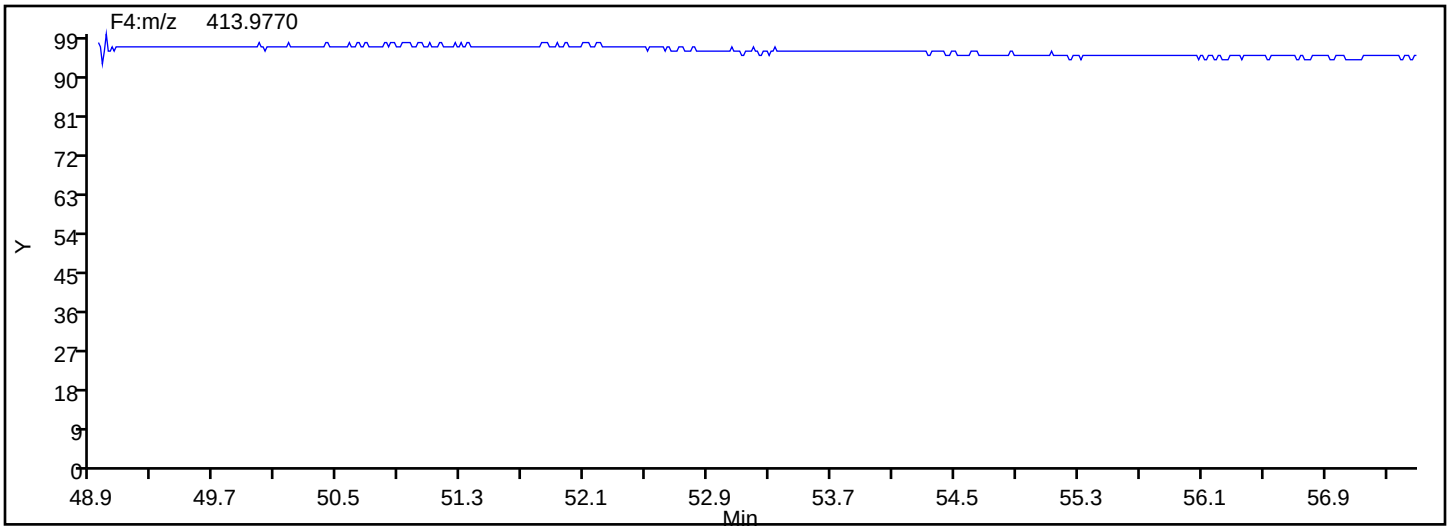
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass

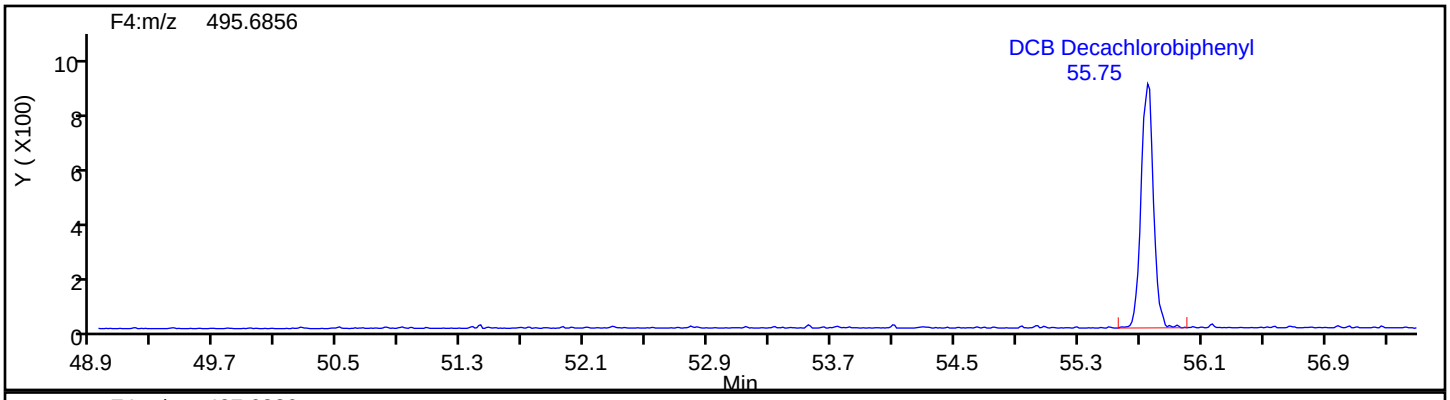


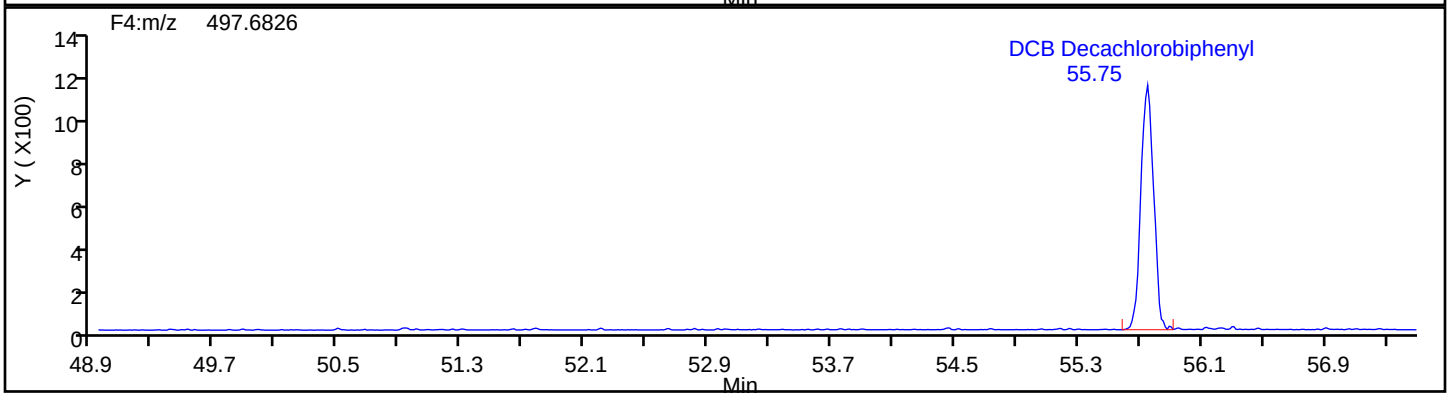
Report Date: 26-Sep-2019 14:52:21 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

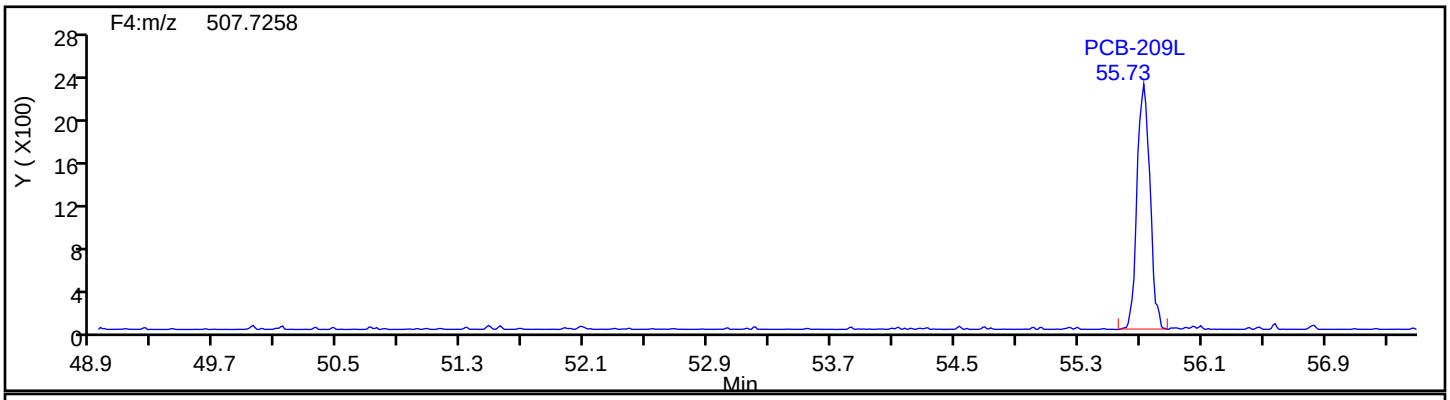
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

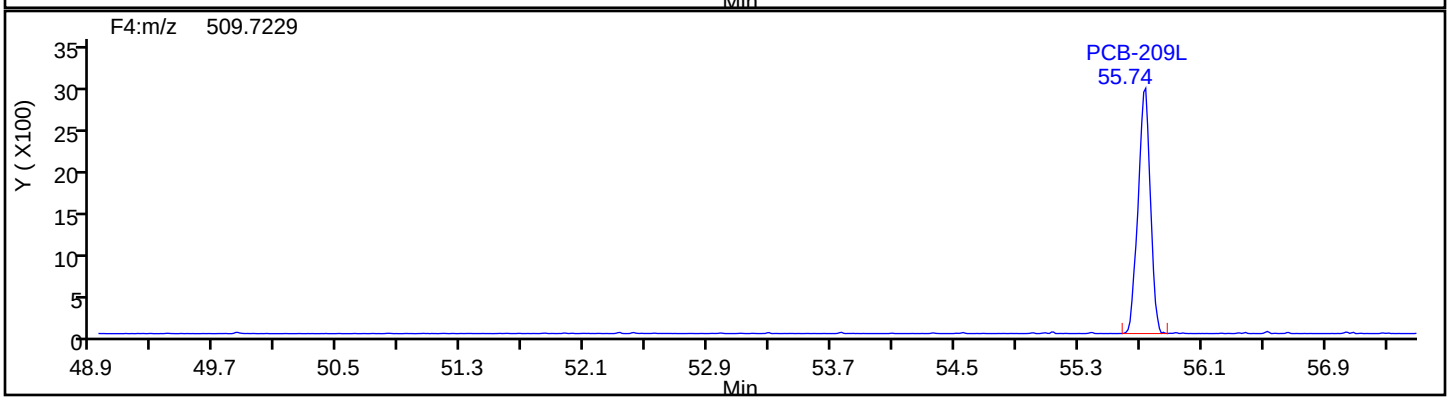
DePCB F4




DePCB F4 Standards

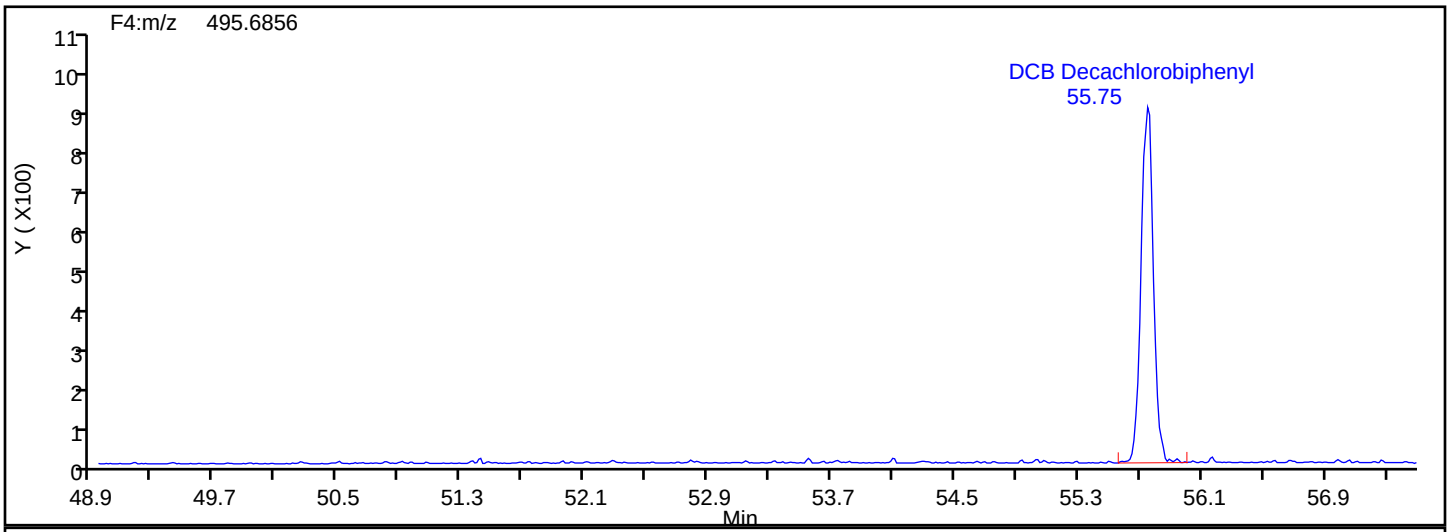


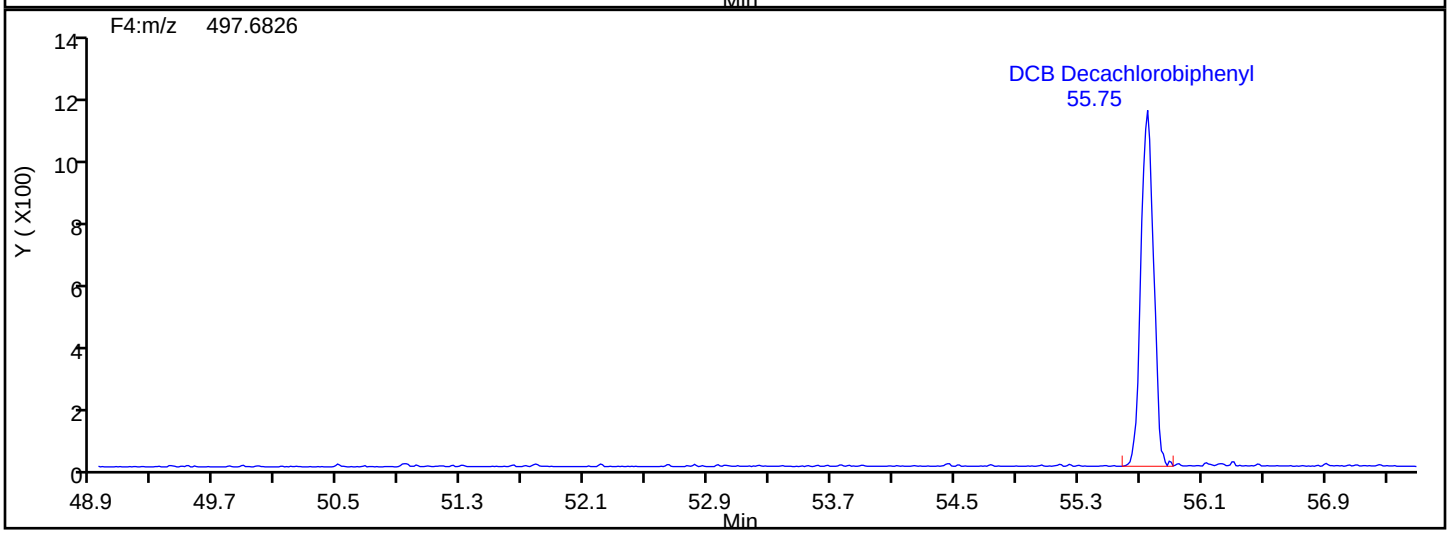



Eurofins TestAmerica, Knoxville

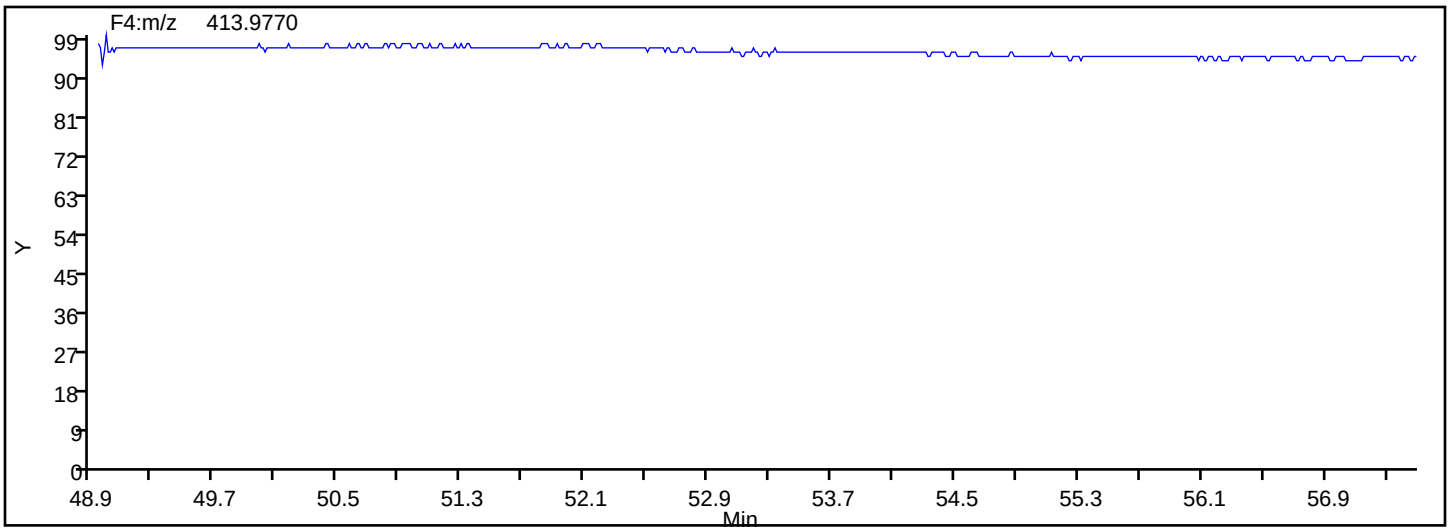
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\580-88908-a-28-ca.d | | |
| Injection Date: | 26-Sep-2019 04:52:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-40to50-82719 | | |
| Worklist#: | 33925 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.31 | | 0.049 | 0.0024 |
| 2051-61-8 | PCB-2 | 0.038 | J | 0.049 | 0.0024 |
| 2051-62-9 | PCB-3 | 0.22 | | 0.049 | 0.0023 |
| 13029-08-8 | PCB-4 | 0.51 | | 0.099 | 0.0051 |
| 16605-91-7 | PCB-5 | 0.024 | J | 0.049 | 0.0032 |
| 25569-80-6 | PCB-6 | 0.36 | | 0.049 | 0.0033 |
| 33284-50-3 | PCB-7 | 0.068 | | 0.049 | 0.0031 |
| 34883-43-7 | PCB-8 | 1.4 | | 0.099 | 0.0032 |
| 34883-39-1 | PCB-9 | 0.10 | | 0.049 | 0.0036 |
| 33146-45-1 | PCB-10 | 0.030 | J | 0.049 | 0.0034 |
| 2050-67-1 | PCB-11 | 0.026 | J B | 0.099 | 0.0031 |
| 2974-92-7 | PCB-12 | 0.15 | C | 0.099 | 0.0031 |
| 2974-90-5 | PCB-13 | 0.15 | C12 | 0.099 | 0.0031 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0027 |
| 2050-68-2 | PCB-15 | 0.79 | | 0.049 | 0.0030 |
| 38444-78-9 | PCB-16 | 1.4 | | 0.049 | 0.0023 |
| 37680-66-3 | PCB-17 | 1.9 | B | 0.049 | 0.0018 |
| 37680-65-2 | PCB-18 | 3.1 | C B | 0.099 | 0.0016 |
| 38444-73-4 | PCB-19 | 0.29 | | 0.049 | 0.0022 |
| 38444-84-7 | PCB-20 | 6.9 | C B | 0.099 | 0.031 |
| 55702-46-0 | PCB-21 | 2.7 | C B | 0.099 | 0.030 |
| 38444-85-8 | PCB-22 | 1.2 | B | 0.049 | 0.033 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.032 |
| 55702-45-9 | PCB-24 | 0.048 | J | 0.049 | 0.0014 |
| 55712-37-3 | PCB-25 | 0.78 | | 0.049 | 0.030 |
| 38444-81-4 | PCB-26 | 1.5 | C B | 0.099 | 0.031 |
| 38444-76-7 | PCB-27 | 0.25 | | 0.049 | 0.0013 |
| 7012-37-5 | PCB-28 | 6.9 | C20 B | 0.099 | 0.031 |
| 15862-07-4 | PCB-29 | 1.5 | C26 B | 0.099 | 0.031 |
| 35693-92-6 | PCB-30 | 3.1 | C18 B | 0.099 | 0.0016 |
| 16606-02-3 | PCB-31 | 4.4 | B | 0.099 | 0.030 |
| 38444-77-8 | PCB-32 | 1.2 | | 0.049 | 0.0012 |
| 38444-86-9 | PCB-33 | 2.7 | C21 B | 0.099 | 0.030 |
| 37680-68-5 | PCB-34 | 0.099 | | 0.049 | 0.034 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.088 | | 0.049 | 0.034 |
| 38444-87-0 | PCB-36 | ND | | 0.049 | 0.030 |
| 38444-90-5 | PCB-37 | 1.8 | B | 0.049 | 0.032 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.031 |
| 38444-88-1 | PCB-39 | 0.13 | | 0.049 | 0.029 |
| 38444-93-8 | PCB-40 | 5.5 | C | 0.15 | 0.017 |
| 52663-59-9 | PCB-41 | 5.5 | C40 | 0.15 | 0.017 |
| 36559-22-5 | PCB-42 | 3.9 | | 0.049 | 0.018 |
| 70362-46-8 | PCB-43 | 0.33 | C | 0.099 | 0.015 |
| 41464-39-5 | PCB-44 | 17 | C B | 0.15 | 0.015 |
| 70362-45-7 | PCB-45 | 1.4 | C B | 0.099 | 0.017 |
| 41464-47-5 | PCB-46 | 0.49 | | 0.049 | 0.020 |
| 2437-79-8 | PCB-47 | 17 | C44 B | 0.15 | 0.015 |
| 70362-47-9 | PCB-48 | 1.7 | | 0.049 | 0.016 |
| 41464-40-8 | PCB-49 | 15 | C B | 0.099 | 0.014 |
| 62796-65-0 | PCB-50 | 1.3 | C | 0.099 | 0.016 |
| 68194-04-7 | PCB-51 | 1.4 | C45 B | 0.099 | 0.017 |
| 35693-99-3 | PCB-52 | 36 | B | 0.049 | 0.017 |
| 41464-41-9 | PCB-53 | 1.3 | C50 | 0.099 | 0.016 |
| 15968-05-5 | PCB-54 | 0.027 | J | 0.049 | 0.00057 |
| 74338-24-2 | PCB-55 | 0.078 | q | 0.049 | 0.012 |
| 41464-43-1 | PCB-56 | 5.5 | | 0.049 | 0.012 |
| 70424-67-8 | PCB-57 | 0.16 | | 0.049 | 0.012 |
| 41464-49-7 | PCB-58 | 0.21 | | 0.049 | 0.012 |
| 74472-33-6 | PCB-59 | 1.1 | C | 0.15 | 0.011 |
| 33025-41-1 | PCB-60 | 0.87 | | 0.049 | 0.012 |
| 33284-53-6 | PCB-61 | 33 | C B | 0.20 | 0.011 |
| 54230-22-7 | PCB-62 | 1.1 | C59 | 0.15 | 0.011 |
| 74472-34-7 | PCB-63 | 0.70 | | 0.049 | 0.010 |
| 52663-58-8 | PCB-64 | 4.9 | | 0.049 | 0.011 |
| 33284-54-7 | PCB-65 | 17 | C44 B | 0.15 | 0.015 |
| 32598-10-0 | PCB-66 | 18 | B | 0.049 | 0.012 |
| 73575-53-8 | PCB-67 | 0.41 | | 0.049 | 0.011 |
| 73575-52-7 | PCB-68 | 0.51 | B | 0.049 | 0.010 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 15 | C49 B | 0.099 | 0.014 |
| 32598-11-1 | PCB-70 | 33 | C61 B | 0.20 | 0.011 |
| 41464-46-4 | PCB-71 | 5.5 | C40 | 0.15 | 0.017 |
| 41464-42-0 | PCB-72 | 1.2 | | 0.049 | 0.012 |
| 74338-23-1 | PCB-73 | 0.33 | C43 | 0.099 | 0.015 |
| 32690-93-0 | PCB-74 | 33 | C61 B | 0.20 | 0.011 |
| 32598-12-2 | PCB-75 | 1.1 | C59 | 0.15 | 0.011 |
| 70362-48-0 | PCB-76 | 33 | C61 B | 0.20 | 0.011 |
| 32598-13-3 | PCB-77 | 1.4 | | 0.049 | 0.012 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.012 |
| 41464-48-6 | PCB-79 | 0.67 | | 0.049 | 0.010 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.010 |
| 70362-50-4 | PCB-81 | 0.040 | J | 0.049 | 0.012 |
| 52663-62-4 | PCB-82 | 6.1 | B | 0.049 | 0.0019 |
| 60145-20-2 | PCB-83 | 46 | C B | 0.099 | 0.0018 |
| 52663-60-2 | PCB-84 | 16 | B | 0.049 | 0.0020 |
| 65510-45-4 | PCB-85 | 9.3 | C | 0.15 | 0.0014 |
| 55312-69-1 | PCB-86 | 38 | C B | 0.30 | 0.0014 |
| 38380-02-8 | PCB-87 | 38 | C86 B | 0.30 | 0.0014 |
| 55215-17-3 | PCB-88 | 9.7 | C B | 0.099 | 0.0017 |
| 73575-57-2 | PCB-89 | 0.48 | | 0.049 | 0.0019 |
| 68194-07-0 | PCB-90 | 73 | C B | 0.15 | 0.0015 |
| 68194-05-8 | PCB-91 | 9.7 | C88 B | 0.099 | 0.0017 |
| 52663-61-3 | PCB-92 | 18 | B | 0.049 | 0.0018 |
| 73575-56-1 | PCB-93 | 1.1 | C | 0.099 | 0.0017 |
| 73575-55-0 | PCB-94 | ND | | 0.049 | 0.0019 |
| 38379-99-6 | PCB-95 | 51 | B | 0.049 | 0.0018 |
| 73575-54-9 | PCB-96 | ND | | 0.049 | 0.0014 |
| 41464-51-1 | PCB-97 | 38 | C86 B | 0.30 | 0.0014 |
| 60233-25-2 | PCB-98 | 1.8 | C | 0.099 | 0.0017 |
| 38380-01-7 | PCB-99 | 46 | C83 B | 0.099 | 0.0018 |
| 39485-83-1 | PCB-100 | 1.1 | C93 | 0.099 | 0.0017 |
| 37680-73-2 | PCB-101 | 73 | C90 B | 0.15 | 0.0015 |
| 68194-06-9 | PCB-102 | 1.8 | C98 | 0.099 | 0.0017 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 1.7 | | 0.049 | 0.0016 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0012 |
| 32598-14-4 | PCB-105 | 15 | B | 0.049 | 0.044 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.044 |
| 70424-68-9 | PCB-107 | 4.9 | B | 0.049 | 0.041 |
| 70362-41-3 | PCB-108 | 1.9 | C | 0.099 | 0.044 |
| 74472-35-8 | PCB-109 | 38 | C86 B | 0.30 | 0.0014 |
| 38380-03-9 | PCB-110 | 70 | C B | 0.099 | 0.0012 |
| 39635-32-0 | PCB-111 | ND | | 0.049 | 0.0012 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0012 |
| 68194-10-5 | PCB-113 | 73 | C90 B | 0.15 | 0.0015 |
| 74472-37-0 | PCB-114 | 1.0 | | 0.049 | 0.039 |
| 74472-38-1 | PCB-115 | 70 | C110 B | 0.099 | 0.0012 |
| 18259-05-7 | PCB-116 | 9.3 | C85 | 0.15 | 0.0014 |
| 68194-11-6 | PCB-117 | 9.3 | C85 | 0.15 | 0.0014 |
| 31508-00-6 | PCB-118 | 51 | B | 0.049 | 0.041 |
| 56558-17-9 | PCB-119 | 38 | C86 B | 0.30 | 0.0014 |
| 68194-12-7 | PCB-120 | 0.65 | | 0.049 | 0.0011 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0012 |
| 76842-07-4 | PCB-122 | 0.67 | B | 0.049 | 0.048 |
| 65510-44-3 | PCB-123 | 0.70 | | 0.049 | 0.042 |
| 70424-70-3 | PCB-124 | 1.9 | C108 | 0.099 | 0.044 |
| 74472-39-2 | PCB-125 | 38 | C86 B | 0.30 | 0.0014 |
| 57465-28-8 | PCB-126 | 0.16 | | 0.049 | 0.043 |
| 39635-33-1 | PCB-127 | ND | | 0.049 | 0.043 |
| 38380-07-3 | PCB-128 | 11 | C B | 0.099 | 0.015 |
| 55215-18-4 | PCB-129 | 68 | C B | 0.20 | 0.016 |
| 52663-66-8 | PCB-130 | 5.4 | B | 0.049 | 0.021 |
| 61798-70-7 | PCB-131 | 1.0 | | 0.049 | 0.020 |
| 38380-05-1 | PCB-132 | 25 | B | 0.049 | 0.019 |
| 35694-04-3 | PCB-133 | 2.0 | | 0.049 | 0.019 |
| 52704-70-8 | PCB-134 | 4.7 | C | 0.099 | 0.020 |
| 52744-13-5 | PCB-135 | 26 | C B | 0.099 | 0.0016 |
| 38411-22-2 | PCB-136 | 11 | B | 0.049 | 0.0012 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 3.0 | | 0.049 | 0.016 |
| 35065-28-2 | PCB-138 | 68 | C129 B | 0.20 | 0.016 |
| 56030-56-9 | PCB-139 | 1.9 | C | 0.099 | 0.017 |
| 59291-64-4 | PCB-140 | 1.9 | C139 | 0.099 | 0.017 |
| 52712-04-6 | PCB-141 | 12 | B | 0.049 | 0.018 |
| 41411-61-4 | PCB-142 | ND | | 0.049 | 0.020 |
| 68194-15-0 | PCB-143 | 4.7 | C134 | 0.099 | 0.020 |
| 68194-14-9 | PCB-144 | 2.8 | | 0.049 | 0.0015 |
| 74472-40-5 | PCB-145 | 0.038 | J | 0.049 | 0.0012 |
| 51908-16-8 | PCB-146 | 15 | B | 0.049 | 0.017 |
| 68194-13-8 | PCB-147 | 61 | C B | 0.099 | 0.017 |
| 74472-41-6 | PCB-148 | 0.47 | | 0.049 | 0.0015 |
| 38380-04-0 | PCB-149 | 61 | C147 B | 0.099 | 0.017 |
| 68194-08-1 | PCB-150 | 0.37 | | 0.049 | 0.0011 |
| 52663-63-5 | PCB-151 | 26 | C135 B | 0.099 | 0.0016 |
| 68194-09-2 | PCB-152 | 0.054 | | 0.049 | 0.0011 |
| 35065-27-1 | PCB-153 | 61 | C B | 0.099 | 0.014 |
| 60145-22-4 | PCB-154 | 2.4 | | 0.049 | 0.0014 |
| 33979-03-2 | PCB-155 | ND | | 0.049 | 0.0011 |
| 38380-08-4 | PCB-156 | 8.3 | C B | 0.099 | 0.016 |
| 69782-90-7 | PCB-157 | 8.3 | C156 B | 0.099 | 0.016 |
| 74472-42-7 | PCB-158 | 6.4 | B | 0.049 | 0.012 |
| 39635-35-3 | PCB-159 | 0.62 | | 0.049 | 0.013 |
| 41411-62-5 | PCB-160 | 68 | C129 B | 0.20 | 0.016 |
| 74472-43-8 | PCB-161 | ND | | 0.049 | 0.013 |
| 39635-34-2 | PCB-162 | 0.22 | B | 0.049 | 0.012 |
| 74472-44-9 | PCB-163 | 68 | C129 B | 0.20 | 0.016 |
| 74472-45-0 | PCB-164 | 5.0 | B | 0.049 | 0.014 |
| 74472-46-1 | PCB-165 | ND | | 0.049 | 0.015 |
| 41411-63-6 | PCB-166 | 11 | C128 B | 0.099 | 0.015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 2.5 | B | 0.049 | 0.011 |
| 59291-65-5 | PCB-168 | 61 | C153 B | 0.099 | 0.014 |
| 32774-16-6 | PCB-169 | ND | | 0.049 | 0.011 |
| 35065-30-6 | PCB-170 | 17 | B | 0.049 | 0.0015 |
| 52663-71-5 | PCB-171 | 5.4 | C B | 0.099 | 0.0015 |
| 52663-74-8 | PCB-172 | 3.0 | B | 0.049 | 0.0015 |
| 68194-16-1 | PCB-173 | 5.4 | C171 B | 0.099 | 0.0015 |
| 38411-25-5 | PCB-174 | 18 | B | 0.049 | 0.0015 |
| 40186-70-7 | PCB-175 | 0.82 | | 0.049 | 0.0014 |
| 52663-65-7 | PCB-176 | 2.4 | B | 0.049 | 0.00097 |
| 52663-70-4 | PCB-177 | 11 | B | 0.049 | 0.0016 |
| 52663-67-9 | PCB-178 | 4.2 | B | 0.049 | 0.0014 |
| 52663-64-6 | PCB-179 | 8.6 | B | 0.049 | 0.0010 |
| 35065-29-3 | PCB-180 | 35 | C B | 0.099 | 0.0012 |
| 74472-47-2 | PCB-181 | 0.19 | | 0.049 | 0.0013 |
| 60145-23-5 | PCB-182 | 0.21 | | 0.049 | 0.0013 |
| 52663-69-1 | PCB-183 | 11 | C B | 0.099 | 0.0013 |
| 74472-48-3 | PCB-184 | ND | | 0.049 | 0.0010 |
| 52712-05-7 | PCB-185 | 11 | C183 B | 0.099 | 0.0013 |
| 74472-49-4 | PCB-186 | ND | | 0.049 | 0.0010 |
| 52663-68-0 | PCB-187 | 23 | B | 0.049 | 0.0013 |
| 74487-85-7 | PCB-188 | ND | | 0.049 | 0.00096 |
| 39635-31-9 | PCB-189 | 0.64 | B | 0.049 | 0.0054 |
| 41411-64-7 | PCB-190 | 3.3 | B | 0.049 | 0.0011 |
| 74472-50-7 | PCB-191 | 0.74 | | 0.049 | 0.0011 |
| 74472-51-8 | PCB-192 | ND | | 0.049 | 0.0011 |
| 69782-91-8 | PCB-193 | 35 | C180 B | 0.099 | 0.0012 |
| 35694-08-7 | PCB-194 | 8.5 | B | 0.049 | 0.016 |
| 52663-78-2 | PCB-195 | 3.7 | B | 0.049 | 0.019 |
| 42740-50-1 | PCB-196 | 4.3 | B | 0.049 | 0.0039 |
| 33091-17-7 | PCB-197 | 0.31 | B | 0.049 | 0.0028 |
| 68194-17-2 | PCB-198 | 9.6 | C B | 0.099 | 0.0042 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 9.6 | C198 B | 0.099 | 0.0042 |
| 52663-73-7 | PCB-200 | 1.2 | | 0.049 | 0.0030 |
| 40186-71-8 | PCB-201 | 1.1 | B | 0.049 | 0.0029 |
| 2136-99-4 | PCB-202 | 1.8 | B | 0.049 | 0.0033 |
| 52663-76-0 | PCB-203 | 5.8 | | 0.049 | 0.0037 |
| 74472-52-9 | PCB-204 | ND | | 0.049 | 0.0031 |
| 74472-53-0 | PCB-205 | 0.42 | | 0.049 | 0.012 |
| 40186-72-9 | PCB-206 | 5.2 | q | 0.049 | 0.014 |
| 52663-79-3 | PCB-207 | 0.41 | | 0.049 | 0.010 |
| 52663-77-1 | PCB-208 | 0.82 | | 0.049 | 0.011 |
| 2051-24-3 | PCB-209 | 1.5 | | 0.049 | 0.0011 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.57 | | 0.049 | 0.0024 |
| 25512-42-9 | Total Dichlorobiphenyls | 3.5 | B | 0.099 | 0.0033 |
| 25323-68-6 | Total Trichlorobiphenyls | 28 | B | 0.099 | 0.021 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 150 | q B | 0.20 | 0.013 |
| 25429-29-2 | Total Pentachlorobiphenyls | 420 | B | 0.30 | 0.015 |
| 26601-64-9 | Total Hexachlorobiphenyls | 340 | B | 0.20 | 0.012 |
| 28655-71-2 | Total Heptachlorobiphenyls | 140 | B | 0.099 | 0.0015 |
| 55722-26-4 | Total Octachlorobiphenyls | 37 | B | 0.099 | 0.0067 |
| 53742-07-7 | Total Nonachlorobiphenyls | 6.4 | q | 0.049 | 0.012 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 1100 | q B | 0.30 | 0.0094 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719 RE  Lab Sample ID: 580-88908-29 RE

Matrix: Solid  Lab File ID: 580-88908-a-29-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 3.62(g)  Date Analyzed: 10/09/2019 18:48

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 64 | | 30-140 |
| 208263-77-8 | PCB-3L | 69 | | 30-140 |
| 234432-86-1 | PCB-4L | 68 | | 30-140 |
| 208263-67-6 | PCB-15L | 81 | | 30-140 |
| 234432-87-2 | PCB-19L | 73 | | 30-140 |
| 208263-79-0 | PCB-37L | 92 | | 30-140 |
| 234432-88-3 | PCB-54L | 77 | | 30-140 |
| 105600-23-5 | PCB-77L | 94 | | 30-140 |
| 208461-24-9 | PCB-81L | 91 | | 30-140 |
| 234432-89-4 | PCB-104L | 85 | | 30-140 |
| 208263-62-1 | PCB-105L | 84 | | 30-140 |
| 208263-63-2 | PCB-114L | 86 | | 30-140 |
| 104130-40-7 | PCB-118L | 88 | | 30-140 |
| 208263-64-3 | PCB-123L | 85 | | 30-140 |
| 208263-65-4 | PCB-126L | 95 | | 30-140 |
| 234432-90-7 | PCB-155L | 100 | | 30-140 |
| 208263-68-7 | PCB-156L | 83 | C | 30-140 |
| 235416-30-5 | PCB-157L | 83 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 83 | | 30-140 |
| 208263-70-1 | PCB-169L | 97 | | 30-140 |
| 160901-80-4 | PCB-170L | 83 | | 30-140 |
| 234432-91-8 | PCB-188L | 84 | | 30-140 |
| 208263-73-4 | PCB-189L | 99 | | 30-140 |
| 105600-26-8 | PCB-202L | 84 | | 30-140 |
| 234446-64-1 | PCB-205L | 81 | | 30-140 |
| 208263-75-6 | PCB-206L | 73 | | 30-140 |
| 234432-92-9 | PCB-208L | 78 | | 30-140 |
| 105600-27-9 | PCB-209L | 64 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 80 | | 40-125 |
| 235416-29-2 | PCB-111L | 91 | | 40-125 |
| 232919-67-4 | PCB-178L | 90 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d
Lims ID: 580-88908-A-29-F
Client ID: J5-SC1b-50to60-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 18:48:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 21:25:35 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 21:25:35

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 11.3 | 11.3 | 0.0484 | 0.0484 | | |
| D PCB-1L | 11:45 | 4100073 | 2.98 | 1.3140 | 63.9 | 63.9 | 0.4921 | 0.4921 | 63.93 | |
| D PCB-3L | 13:55 | 4603688 | 3.13 | 1.3615 | 69.3 | 69.3 | 0.4749 | 0.4749 | 69.28 | |
| PCB-1 | 11:45 | 303501 | 3.12 | 1.1883 | 6.230 | 6.230 | 0.0495 | 0.0495 | | |
| PCB-2 | 13:45 | 39549 | 2.93 | 1.1911 | 0.7630 | 0.7630 | 0.0487 | 0.0487 | | |
| PCB-3 | 13:56 | 243237 | 3.05 | 1.2130 | 4.356 | 4.356 | 0.0471 | 0.0471 | | |
| S Total Dichlorobiphenyls | | | | | 69.3 | 69.3 | 0.0675 | 0.0675 | | |
| D PCB-4L | 14:10 | 1986353 | 1.60 | 0.5996 | 67.9 | 67.9 | 0.1898 | 0.1898 | 67.88 | |
| * PCB-9L | 16:09 | 4880336 | 1.60 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:05 | 4076904 | 1.65 | 1.0280 | 81.3 | 81.3 | 0.1107 | 0.1107 | 81.26 | |
| PCB-4 | 14:11 | 256293 | 1.57 | 1.2533 | 10.3 | 10.3 | 0.1023 | 0.1023 | | |
| PCB-10 | 14:22 | 27447 | 1.78 | 1.4828 | 0.6106 | 0.6106 | 0.0690 | 0.0690 | | |
| PCB-9 | 16:10 | 87503 | 1.53 | 1.4200 | 2.033 | 2.033 | 0.0720 | 0.0720 | | |
| PCB-7 | 16:20 | 67920 | 1.57 | 1.6244 | 1.379 | 1.379 | 0.0630 | 0.0630 | | |
| PCB-6 | 16:34 | 346799 | 1.60 | 1.5539 | 7.362 | 7.362 | 0.0658 | 0.0658 | | |
| PCB-5 | 16:53 | 22595 | 1.66 | 1.5606 | 0.4776 | 0.4776 | 0.0655 | 0.0655 | | |
| PCB-8 | 17:00 | 1327113 | 1.62 | 1.5884 | 27.6 | 27.6 | 0.0644 | 0.0644 | | |
| PCB-14 | 18:38 | | | | | | 0.0546 | 0.0546 | | |
| PCB-11 | 19:29 | 26433 | 1.55 | 1.6347 | 0.5334 | 0.5334 | 0.0626 | 0.0626 | | |
| PCB-12 | 19:46 | 152276 | 1.53 | 1.6410 | 3.061 | 3.061 | 0.0623 | 0.0623 | | |
| PCB-13 (C12) | 19:46 | 152276 | 1.53 | 1.6410 | 3.061 | 3.061 | 0.0623 | 0.0623 | | |
| PCB-15 | 20:06 | 913130 | 1.60 | 1.4024 | 16.0 | 16.0 | 0.0607 | 0.0607 | | |
| S Total Trichlorobiphenyl | | | | | 564.9 | 564.9 | 0.4246 | 0.4246 | | |
| D PCB-19L | 17:17 | 1462117 | 1.03 | 0.6095 | 73.1 | 73.1 | 0.4690 | 0.4690 | 73.14 | |
| * PCB-32L | 20:33 | 3279985 | 1.09 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:50 | 9681536 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:07 | 8464874 | 1.07 | 1.0975 | 79.7 | 79.7 | 0.1828 | 0.1828 | 79.66 | |
| D PCB-37L | 27:09 | 8020098 | 1.07 | 0.9024 | 91.8 | 91.8 | 0.2223 | 0.2223 | 91.80 | |
| PCB-19 | 17:18 | 113651 | 1.02 | 1.3047 | 5.958 | 5.958 | 0.0444 | 0.0444 | | |
| PCB-18 | 19:11 | 1680725 | 1.06 | 1.8188 | 63.2 | 63.2 | 0.0318 | 0.0318 | | |
| PCB-30 (C18) | 19:11 | 1680725 | 1.06 | 1.8188 | 63.2 | 63.2 | 0.0318 | 0.0318 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 895038 | 1.05 | 1.5641 | 39.1 | 39.1 | 0.0370 | 0.0370 | | |
| PCB-27 | 19:48 | 163244 | 1.04 | 2.1680 | 5.150 | 5.150 | 0.0267 | 0.0267 | | |
| PCB-24 | 19:56 | 29782 | 0.93 | 2.1018 | 0.9691 | 0.9691 | 0.0276 | 0.0276 | | |
| PCB-16 | 20:03 | 524403 | 1.07 | 1.2260 | 29.3 | 29.3 | 0.0472 | 0.0472 | | |
| PCB-32 | 20:35 | 819384 | 1.07 | 2.3416 | 23.9 | 23.9 | 0.0247 | 0.0247 | | |
| PCB-34 | 21:51 | 195226 | 1.05 | 1.2154 | 2.003 | 2.003 | 0.6827 | 0.6827 | | |
| PCB-23 | 21:59 | | | | | | 0.6547 | 0.6547 | | |
| PCB-26 | 22:18 | 3218214 | 1.07 | 1.3193 | 30.4 | 30.4 | 0.6290 | 0.6290 | | |
| PCB-29 (C26) | 22:18 | 3218214 | 1.07 | 1.3193 | 30.4 | 30.4 | 0.6290 | 0.6290 | | |
| PCB-25 | 22:32 | 1704041 | 1.09 | 1.3523 | 15.7 | 15.7 | 0.6136 | 0.6136 | | |
| PCB-31 | 22:51 | 9795432 | 1.08 | 1.3809 | 88.4 | 88.4 | 0.6009 | 0.6009 | | |
| PCB-20 | 23:09 | 14608596 | 1.07 | 1.3057 | 139.5 | 139.5 | 0.6355 | 0.6355 | | |
| PCB-28 (C20) | 23:09 | 14608596 | 1.07 | 1.3057 | 139.5 | 139.5 | 0.6355 | 0.6355 | | |
| PCB-21 | 23:23 | 6126406 | 1.08 | 1.3777 | 55.4 | 55.4 | 0.6023 | 0.6023 | | |
| PCB-33 (C21) | 23:23 | 6126406 | 1.08 | 1.3777 | 55.4 | 55.4 | 0.6023 | 0.6023 | | |
| PCB-22 | 23:46 | 2514821 | 1.07 | 1.2430 | 25.2 | 25.2 | 0.6676 | 0.6676 | | |
| PCB-36 | 25:20 | 61462 | 1.19 | 1.3468 | 0.5690 | 0.5690 | 0.6161 | 0.6161 | | nMa |
| PCB-39 | 25:43 | 300182 | 1.05 | 1.3970 | 2.679 | 2.679 | 0.5940 | 0.5940 | | Ma |
| PCB-38 | 26:15 | | | | | | 0.6298 | 0.6298 | | |
| PCB-35 | 26:46 | 174002 | 1.01 | 1.2166 | 1.783 | 1.783 | 0.6821 | 0.6821 | | |
| PCB-37 | 27:09 | 3669335 | 1.06 | 1.2879 | 35.5 | 35.5 | 0.6443 | 0.6443 | | |
| S Total Tetrachlorobiphen | | | | | 3072.4 | 3072.0 | 0.2578 | 0.2578 | | RQ |
| D PCB-54L | 20:23 | 1640666 | 0.84 | 0.6515 | 76.8 | 76.8 | 0.0505 | 0.0505 | 76.78 | |
| * PCB-52L | 24:58 | 5052390 | 0.80 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:55 | 5693473 | 0.80 | 1.2328 | 91.4 | 91.4 | 0.1412 | 0.1412 | 91.41 | |
| D PCB-77L | 34:28 | 5960490 | 0.81 | 1.2523 | 94.2 | 94.2 | 0.1390 | 0.1390 | 94.21 | |
| PCB-54 | 20:24 | 11404 | 0.83 | 1.2558 | 0.5535 | 0.5535 | 0.0115 | 0.0115 | | |
| PCB-50 | 22:34 | 1464182 | 0.80 | 0.9362 | 26.8 | 26.8 | 0.3320 | 0.3320 | | |
| PCB-53 (C50) | 22:34 | 1464182 | 0.80 | 0.9362 | 26.8 | 26.8 | 0.3320 | 0.3320 | | |
| PCB-45 | 23:14 | 1508646 | 0.79 | 0.8850 | 29.3 | 29.3 | 0.3512 | 0.3512 | | Ma |
| PCB-51 (C45) | 23:14 | 1508646 | 0.79 | 0.8850 | 29.3 | 29.3 | 0.3512 | 0.3512 | | Ma |
| PCB-46 | 23:33 | 437104 | 0.76 | 0.7591 | 9.882 | 9.882 | 0.4095 | 0.4095 | | |
| PCB-52 | 24:59 | 37812437 | 0.79 | 0.8992 | 721.6 | 721.6 | 0.3456 | 0.3456 | | |
| PCB-43 | 25:13 | 392697 | 0.80 | 0.9993 | 6.744 | 6.744 | 0.3110 | 0.3110 | | a |
| PCB-73 (C43) | 25:13 | 392697 | 0.80 | 0.9993 | 6.744 | 6.744 | 0.3110 | 0.3110 | | a |
| PCB-49 | 25:29 | 20712031 | 0.80 | 1.1366 | 312.7 | 312.7 | 0.2735 | 0.2735 | | |
| PCB-69 (C49) | 25:29 | 20712031 | 0.80 | 1.1366 | 312.7 | 312.7 | 0.2735 | 0.2735 | | |
| PCB-48 | 25:45 | 1852474 | 0.78 | 0.9454 | 33.6 | 33.6 | 0.3288 | 0.3288 | | |
| PCB-44 | 25:58 | 21094267 | 0.80 | 1.0323 | 350.7 | 350.7 | 0.3011 | 0.3011 | | |
| PCB-47 (C44) | 25:58 | 21094267 | 0.80 | 1.0323 | 350.7 | 350.7 | 0.3011 | 0.3011 | | |
| PCB-65 (C44) | 25:58 | 21094267 | 0.80 | 1.0323 | 350.7 | 350.7 | 0.3011 | 0.3011 | | |
| PCB-59 | 26:20 | 1767165 | 0.79 | 1.3609 | 22.3 | 22.3 | 0.2284 | 0.2284 | | |
| PCB-62 (C59) | 26:20 | 1767165 | 0.79 | 1.3609 | 22.3 | 22.3 | 0.2284 | 0.2284 | | |
| PCB-75 (C59) | 26:20 | 1767165 | 0.79 | 1.3609 | 22.3 | 22.3 | 0.2284 | 0.2284 | | |
| PCB-42 | 26:31 | 4011426 | 0.80 | 0.8670 | 79.4 | 79.4 | 0.3585 | 0.3585 | | |
| PCB-40 | 27:00 | 5917337 | 0.80 | 0.9179 | 110.6 | 110.6 | 0.3386 | 0.3386 | | Ma |
| PCB-41 (C40) | 27:00 | 5917337 | 0.80 | 0.9179 | 110.6 | 110.6 | 0.3386 | 0.3386 | | Ma |
| PCB-71 (C40) | 27:00 | 5917337 | 0.80 | 0.9179 | 110.6 | 110.6 | 0.3386 | 0.3386 | | Ma |
| PCB-64 | 27:13 | 8186165 | 0.80 | 1.4164 | 99.2 | 99.2 | 0.2194 | 0.2194 | | |
| PCB-72 | 28:04 | 1782160 | 0.80 | 1.3157 | 23.2 | 23.2 | 0.2362 | 0.2362 | | |
| PCB-68 | 28:22 | 888046 | 0.85 | 1.4782 | 10.3 | 10.3 | 0.2103 | 0.2103 | | |
| PCB-57 | 28:47 | 238678 | 0.71 | 1.2817 | 3.196 | 3.196 | 0.2425 | 0.2425 | | |
| PCB-58 | 29:01 | 321533 | 0.78 | 1.3214 | 4.176 | 4.176 | 0.2352 | 0.2352 | | |
| PCB-67 | 29:11 | 670755 | 0.76 | 1.3944 | 8.255 | 8.255 | 0.2229 | 0.2229 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:27 | 1209883 | 0.79 | 1.4685 | 14.1 | 14.1 | 0.2117 | 0.2117 | | |
| PCB-61 | 29:47 | 52334491 | 0.79 | 1.3565 | 662.1 | 662.1 | 0.2291 | 0.2291 | | M |
| PCB-70 (C61) | 29:47 | 52334491 | 0.79 | 1.3565 | 662.1 | 662.1 | 0.2291 | 0.2291 | | M |
| PCB-74 (C61) | 29:47 | 52334491 | 0.79 | 1.3565 | 662.1 | 662.1 | 0.2291 | 0.2291 | | M |
| PCB-76 (C61) | 29:47 | 52334491 | 0.79 | 1.3565 | 662.1 | 662.1 | 0.2291 | 0.2291 | | M |
| PCB-66 | 30:07 | 27632889 | 0.80 | 1.2800 | 370.5 | 370.5 | 0.2428 | 0.2428 | | M |
| PCB-55 | 30:13 | 119650 | 0.77 | 1.2951 | 2.034 | 1.585 | 0.2400 | 0.2400 | | RQMa |
| PCB-56 | 30:47 | 8187531 | 0.79 | 1.2671 | 110.9 | 110.9 | 0.2453 | 0.2453 | | |
| PCB-60 | 31:00 | 1356787 | 0.77 | 1.3288 | 17.5 | 17.5 | 0.2339 | 0.2339 | | |
| PCB-80 | 31:22 | | | | | | 0.2115 | 0.2115 | | |
| PCB-79 | 32:57 | 1220901 | 0.79 | 1.5421 | 13.6 | 13.6 | 0.2016 | 0.2016 | | |
| PCB-78 | 33:27 | | | | | | 0.2364 | 0.2364 | | |
| PCB-81 | 33:55 | 60552 | 0.68 | 1.3214 | 0.8048 | 0.8048 | 0.2352 | 0.2352 | | Ma |
| PCB-77 | 34:30 | 2237475 | 0.79 | 1.3308 | 28.2 | 28.2 | 0.2336 | 0.2336 | | |
| S Total Pentachlorobiphen | | | | | 8455.9 | 8455.9 | 0.3005 | 0.3005 | | |
| D PCB-104L | 25:55 | 3638295 | 1.56 | 1.1164 | 84.6 | 84.6 | 0.0495 | 0.0495 | 84.60 | |
| * PCB-101L | 31:50 | 3852281 | 1.59 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:32 | 4274016 | 1.58 | 1.2177 | 91.1 | 91.1 | 0.0453 | 0.0453 | 91.11 | |
| D PCB-123L | 36:30 | 6043472 | 1.59 | 0.9909 | 85.4 | 85.4 | 0.6958 | 0.6958 | 85.36 | |
| D PCB-118L | 36:50 | 6483990 | 1.63 | 1.0256 | 88.5 | 88.5 | 0.6723 | 0.6723 | 88.49 | |
| D PCB-114L | 37:21 | 6134055 | 1.58 | 1.0030 | 85.6 | 85.6 | 0.6874 | 0.6874 | 85.59 | |
| D PCB-105L | 38:00 | 6013242 | 1.58 | 1.0013 | 84.1 | 84.1 | 0.6886 | 0.6886 | 84.05 | |
| * PCB-127L | 39:30 | 7145070 | 1.57 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:06 | 6114967 | 1.60 | 0.9020 | 94.9 | 94.9 | 0.7643 | 0.7643 | 94.88 | |
| PCB-104 | 25:55 | | | | | | 0.0244 | 0.0244 | | |
| PCB-96 | 26:17 | | | | | | 0.0277 | 0.0277 | | |
| PCB-103 | 28:15 | 1293865 | 1.58 | 1.0331 | 34.4 | 34.4 | 0.0330 | 0.0330 | | |
| PCB-94 | 28:27 | | | | | | 0.0377 | 0.0377 | | |
| PCB-95 | 28:55 | 35891791 | 1.58 | 0.9620 | 1025.4 | 1025.4 | 0.0354 | 0.0354 | | |
| PCB-93 | 29:08 | 787381 | 1.60 | 0.9806 | 22.1 | 22.1 | 0.0347 | 0.0347 | | |
| PCB-100 (C93) | 29:08 | 787381 | 1.60 | 0.9806 | 22.1 | 22.1 | 0.0347 | 0.0347 | | |
| PCB-98 | 29:17 | 1331288 | 1.59 | 0.9888 | 37.0 | 37.0 | 0.0344 | 0.0344 | | |
| PCB-102 (C98) | 29:17 | 1331288 | 1.59 | 0.9888 | 37.0 | 37.0 | 0.0344 | 0.0344 | | |
| PCB-88 | 29:47 | 7165103 | 1.58 | 1.0052 | 195.9 | 195.9 | 0.0339 | 0.0339 | | |
| PCB-91 (C88) | 29:47 | 7165103 | 1.58 | 1.0052 | 195.9 | 195.9 | 0.0339 | 0.0339 | | |
| PCB-84 | 30:00 | 10226525 | 1.57 | 0.8601 | 326.8 | 326.8 | 0.0396 | 0.0396 | | |
| PCB-89 | 30:29 | 316778 | 1.72 | 0.8936 | 9.744 | 9.744 | 0.0381 | 0.0381 | | |
| PCB-121 | 30:52 | | | | | | 0.0244 | 0.0244 | | |
| PCB-92 | 31:17 | 12946292 | 1.57 | 0.9532 | 373.3 | 373.3 | 0.0357 | 0.0357 | | |
| PCB-90 | 31:52 | 61143157 | 1.60 | 1.1367 | 1478.5 | 1478.5 | 0.0299 | 0.0299 | | |
| PCB-101 (C90) | 31:52 | 61143157 | 1.60 | 1.1367 | 1478.5 | 1478.5 | 0.0299 | 0.0299 | | |
| PCB-113 (C90) | 31:52 | 61143157 | 1.60 | 1.1367 | 1478.5 | 1478.5 | 0.0299 | 0.0299 | | |
| PCB-83 | 32:27 | 31783735 | 1.57 | 0.9393 | 930.0 | 930.0 | 0.0362 | 0.0362 | | Ma |
| PCB-99 (C83) | 32:27 | 31783735 | 1.57 | 0.9393 | 930.0 | 930.0 | 0.0362 | 0.0362 | | Ma |
| PCB-112 | 32:31 | | | | | | 0.0249 | 0.0249 | | |
| PCB-86 | 32:57 | 33590023 | 1.55 | 1.1958 | 772.1 | 772.1 | 0.0285 | 0.0285 | | Ma |
| PCB-87 (C86) | 32:57 | 33590023 | 1.55 | 1.1958 | 772.1 | 772.1 | 0.0285 | 0.0285 | | Ma |
| PCB-97 (C86) | 32:57 | 33590023 | 1.55 | 1.1958 | 772.1 | 772.1 | 0.0285 | 0.0285 | | Ma |
| PCB-109 (C86) | 32:57 | 33590023 | 1.55 | 1.1958 | 772.1 | 772.1 | 0.0285 | 0.0285 | | Ma |
| PCB-119 (C86) | 32:57 | 33590023 | 1.55 | 1.1958 | 772.1 | 772.1 | 0.0285 | 0.0285 | | Ma |
| PCB-125 (C86) | 32:57 | 33590023 | 1.55 | 1.1958 | 772.1 | 772.1 | 0.0285 | 0.0285 | | Ma |
| PCB-85 | 33:40 | 8277536 | 1.57 | 1.2126 | 187.6 | 187.6 | 0.0281 | 0.0281 | | |
| PCB-116 (C85) | 33:40 | 8277536 | 1.57 | 1.2126 | 187.6 | 187.6 | 0.0281 | 0.0281 | | |
| PCB-117 (C85) | 33:40 | 8277536 | 1.57 | 1.2126 | 187.6 | 187.6 | 0.0281 | 0.0281 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:50 | 69258996 | 1.60 | 1.3511 | 1408.9 | 1408.9 | 0.0252 | 0.0252 | | |
| PCB-115 (C110) | 33:50 | 69258996 | 1.60 | 1.3511 | 1408.9 | 1408.9 | 0.0252 | 0.0252 | | |
| PCB-82 | 34:09 | 3889638 | 1.64 | 0.8675 | 123.2 | 123.2 | 0.0392 | 0.0392 | | |
| PCB-111 | 34:30 | | | | | | 0.0239 | 0.0239 | | |
| PCB-120 | 35:02 | 707918 | 1.66 | 1.4907 | 13.1 | 13.1 | 0.0228 | 0.0228 | | |
| PCB-108 | 36:10 | 3009390 | 1.54 | 1.2547 | 39.0 | 39.0 | 0.8942 | 0.8942 | | |
| PCB-124 (C108) | 36:10 | 3009390 | 1.54 | 1.2547 | 39.0 | 39.0 | 0.8942 | 0.8942 | | |
| PCB-107 | 36:25 | 8230994 | 1.58 | 1.3580 | 98.4 | 98.4 | 0.8262 | 0.8262 | | |
| PCB-123 | 36:32 | 1145387 | 1.58 | 1.3407 | 14.1 | 14.1 | 0.8463 | 0.8463 | | |
| PCB-106 | 36:35 | | | | | | 0.8801 | 0.8801 | | |
| PCB-118 | 36:51 | 85620693 | 1.61 | 1.2892 | 1024.3 | 1024.3 | 0.8231 | 0.8231 | | |
| PCB-122 | 37:12 | 970996 | 1.57 | 1.1614 | 13.6 | 13.6 | 0.9661 | 0.9661 | | |
| PCB-114 | 37:23 | 1802810 | 1.58 | 1.4051 | 20.9 | 20.9 | 0.7887 | 0.7887 | | |
| PCB-105 | 38:02 | 23579062 | 1.56 | 1.2887 | 304.3 | 304.3 | 0.8976 | 0.8976 | | |
| PCB-127 | 39:34 | | | | | | 0.8737 | 0.8737 | | MUa |
| PCB-126 | 41:07 | 264342 | 1.63 | 1.3416 | 3.222 | 3.222 | 0.8609 | 0.8609 | | |
| S Total Hexachlorobipheny | | | | | 6809.2 | 6809.2 | 0.2382 | 0.2382 | | |
| D PCB-155L | 31:37 | 3667442 | 1.28 | 0.9499 | 100.2 | 100.2 | 0.0597 | 0.0597 | 100 | |
| * PCB-138L | 39:57 | 4708613 | 1.31 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:59 | 4884677 | 1.27 | 1.2544 | 82.7 | 82.7 | 0.3187 | 0.3187 | 82.70 | |
| D PCB-156L | 44:08 | 9637921 | 1.30 | 1.2289 | 166.6 | 166.6 | 0.3253 | 0.3253 | 83.28 | |
| D PCB-157L (C156L) | 44:08 | 9637921 | 1.30 | 1.2289 | 166.6 | 166.6 | 0.3253 | 0.3253 | 83.28 | |
| D PCB-169L | 47:22 | 4991205 | 1.27 | 1.0883 | 97.4 | 97.4 | 0.3674 | 0.3674 | 97.40 | |
| PCB-155 | 31:36 | | | | | | 0.0215 | 0.0215 | | |
| PCB-152 | 31:50 | 50201 | 1.18 | 1.2556 | 1.090 | 1.090 | 0.0223 | 0.0223 | | |
| PCB-150 | 32:00 | 338257 | 1.27 | 1.2368 | 7.457 | 7.457 | 0.0227 | 0.0227 | | |
| PCB-136 | 32:21 | 9033766 | 1.27 | 1.1563 | 213.0 | 213.0 | 0.0242 | 0.0242 | | |
| PCB-145 | 32:38 | 33671 | 1.13 | 1.1910 | 0.7709 | 0.7709 | 0.0235 | 0.0235 | | Ma |
| PCB-148 | 34:11 | 313945 | 1.32 | 0.8982 | 9.531 | 9.531 | 0.0312 | 0.0312 | | |
| PCB-135 | 34:46 | 16689838 | 1.26 | 0.8691 | 523.6 | 523.6 | 0.0322 | 0.0322 | | |
| PCB-151 (C135) | 34:46 | 16689838 | 1.26 | 0.8691 | 523.6 | 523.6 | 0.0322 | 0.0322 | | |
| PCB-154 | 35:02 | 1837394 | 1.28 | 1.0180 | 49.2 | 49.2 | 0.0275 | 0.0275 | | |
| PCB-144 | 35:20 | 1897945 | 1.27 | 0.9185 | 56.3 | 56.3 | 0.0305 | 0.0305 | | |
| PCB-147 | 35:42 | 58578344 | 1.27 | 0.9747 | 1232.0 | 1232.0 | 0.3525 | 0.3525 | | |
| PCB-149 (C147) | 35:42 | 58578344 | 1.27 | 0.9747 | 1232.0 | 1232.0 | 0.3525 | 0.3525 | | |
| PCB-134 | 35:54 | 3974905 | 1.25 | 0.8518 | 95.7 | 95.7 | 0.4034 | 0.4034 | | a |
| PCB-143 (C134) | 35:54 | 3974905 | 1.25 | 0.8518 | 95.7 | 95.7 | 0.4034 | 0.4034 | | a |
| PCB-139 | 36:18 | 1828607 | 1.26 | 0.9995 | 37.5 | 37.5 | 0.3438 | 0.3438 | | |
| PCB-140 (C139) | 36:18 | 1828607 | 1.26 | 0.9995 | 37.5 | 37.5 | 0.3438 | 0.3438 | | |
| PCB-131 | 36:30 | 885790 | 1.25 | 0.8584 | 21.2 | 21.2 | 0.4003 | 0.4003 | | |
| PCB-142 | 36:36 | | | | | | 0.3997 | 0.3997 | | |
| PCB-132 | 36:58 | 21704216 | 1.25 | 0.8801 | 505.5 | 505.5 | 0.3904 | 0.3904 | | |
| PCB-133 | 37:29 | 1800587 | 1.28 | 0.9064 | 40.7 | 40.7 | 0.3791 | 0.3791 | | |
| PCB-165 | 37:49 | | | | | | 0.3065 | 0.3065 | | |
| PCB-146 | 38:08 | 15277512 | 1.25 | 1.0084 | 310.6 | 310.6 | 0.3407 | 0.3407 | | |
| PCB-161 | 38:12 | | | | | | 0.2570 | 0.2570 | | |
| PCB-153 | 38:44 | 72945158 | 1.26 | 1.2207 | 1225.0 | 1225.0 | 0.2815 | 0.2815 | | |
| PCB-168 (C153) | 38:44 | 72945158 | 1.26 | 1.2207 | 1225.0 | 1225.0 | 0.2815 | 0.2815 | | |
| PCB-141 | 38:56 | 11377653 | 1.25 | 0.9608 | 242.7 | 242.7 | 0.3576 | 0.3576 | | |
| PCB-130 | 39:21 | 4419291 | 1.25 | 0.8274 | 109.5 | 109.5 | 0.4152 | 0.4152 | | |
| PCB-137 | 39:34 | 3174980 | 1.26 | 1.0582 | 61.5 | 61.5 | 0.3247 | 0.3247 | | |
| PCB-164 | 39:41 | 6174420 | 1.27 | 1.2527 | 101.0 | 101.0 | 0.2743 | 0.2743 | | |
| PCB-129 | 40:00 | 72978776 | 1.25 | 1.0840 | 1380.1 | 1380.1 | 0.3170 | 0.3170 | | |
| PCB-138 (C129) | 40:00 | 72978776 | 1.25 | 1.0840 | 1380.1 | 1380.1 | 0.3170 | 0.3170 | | |
| PCB-160 (C129) | 40:00 | 72978776 | 1.25 | 1.0840 | 1380.1 | 1380.1 | 0.3170 | 0.3170 | | |
| PCB-163 (C129) | 40:00 | 72978776 | 1.25 | 1.0840 | 1380.1 | 1380.1 | 0.3170 | 0.3170 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:22 | 8682570 | 1.27 | 1.3862 | 128.4 | 128.4 | 0.2479 | 0.2479 | | |
| PCB-128 | 41:14 | 12059376 | 1.27 | 1.1165 | 221.4 | 221.4 | 0.3077 | 0.3077 | | |
| PCB-166 (C128) | 41:14 | 12059376 | 1.27 | 1.1165 | 221.4 | 221.4 | 0.3077 | 0.3077 | | |
| PCB-159 | 42:12 | 806495 | 1.27 | 1.3178 | 12.5 | 12.5 | 0.2607 | 0.2607 | | |
| PCB-162 | 42:32 | 289830 | 1.24 | 1.3623 | 4.361 | 4.361 | 0.2522 | 0.2522 | | Ma |
| PCB-167 | 43:00 | 3313709 | 1.26 | 1.3357 | 50.8 | 50.8 | 0.2183 | 0.2183 | | |
| PCB-156 | 44:08 | 10320219 | 1.27 | 1.2759 | 167.8 | 167.8 | 0.3249 | 0.3249 | | |
| PCB-157 (C156) | 44:08 | 10320219 | 1.27 | 1.2759 | 167.8 | 167.8 | 0.3249 | 0.3249 | | |
| PCB-169 | 47:19 | | | | | | 0.2301 | 0.2301 | | |
| S Total Heptachlorobiphen | | | | | 2937.9 | 2937.9 | 0.0295 | 0.0295 | | |
| D PCB-188L | 37:21 | 4276621 | 1.06 | 1.3162 | 84.1 | 84.1 | 0.0577 | 0.0577 | 84.06 | |
| $ PCB-178L | 40:26 | 3205692 | 1.08 | 0.9222 | 89.9 | 89.9 | 0.0823 | 0.0823 | 89.92 | |
| * PCB-180L | 45:32 | 3865549 | 1.08 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:47 | 2667277 | 1.07 | 0.8357 | 82.6 | 82.6 | 0.0909 | 0.0909 | 82.57 | |
| D PCB-189L | 49:55 | 6809849 | 1.07 | 1.4666 | 98.9 | 98.9 | 0.5370 | 0.5370 | 98.95 | |
| PCB-188 | 37:20 | | | | | | 0.0193 | 0.0193 | | |
| PCB-179 | 37:43 | 8572511 | 1.06 | 1.4149 | 174.5 | 174.5 | 0.0211 | 0.0211 | | |
| PCB-184 | 38:12 | | | | | | 0.0210 | 0.0210 | | |
| PCB-176 | 38:36 | 2524704 | 1.05 | 1.5212 | 47.8 | 47.8 | 0.0196 | 0.0196 | | |
| PCB-186 | 39:00 | | | | | | 0.0208 | 0.0208 | | |
| PCB-178 | 40:27 | 2988597 | 1.06 | 1.0228 | 84.2 | 84.2 | 0.0291 | 0.0291 | | |
| PCB-175 | 41:05 | 614482 | 1.04 | 1.0690 | 16.6 | 16.6 | 0.0279 | 0.0279 | | |
| PCB-187 | 41:21 | 17750535 | 1.05 | 1.1106 | 460.3 | 460.3 | 0.0268 | 0.0268 | | |
| PCB-182 | 41:34 | 168383 | 1.16 | 1.1484 | 4.223 | 4.223 | 0.0260 | 0.0260 | | |
| PCB-183 | 41:58 | 9084683 | 1.05 | 1.1368 | 230.2 | 230.2 | 0.0262 | 0.0262 | | |
| PCB-185 (C183) | 41:58 | 9084683 | 1.05 | 1.1368 | 230.2 | 230.2 | 0.0262 | 0.0262 | | |
| PCB-174 | 42:12 | 12282306 | 1.05 | 0.9547 | 370.5 | 370.5 | 0.0312 | 0.0312 | | |
| PCB-177 | 42:38 | 7451956 | 1.05 | 0.9426 | 227.7 | 227.7 | 0.0316 | 0.0316 | | |
| PCB-181 | 43:02 | 144290 | 1.06 | 1.1075 | 3.753 | 3.753 | 0.0269 | 0.0269 | | |
| PCB-171 | 43:16 | 3635494 | 1.06 | 0.9603 | 109.0 | 109.0 | 0.0310 | 0.0310 | | |
| PCB-173 (C171) | 43:16 | 3635494 | 1.06 | 0.9603 | 109.0 | 109.0 | 0.0310 | 0.0310 | | |
| PCB-172 | 44:54 | 2106812 | 1.05 | 0.9918 | 61.2 | 61.2 | 0.0301 | 0.0301 | | |
| PCB-192 | 45:06 | | | | | | 0.0231 | 0.0231 | | |
| PCB-180 | 45:33 | 30588138 | 1.05 | 1.2286 | 717.1 | 717.1 | 0.0243 | 0.0243 | | |
| PCB-193 (C180) | 45:33 | 30588138 | 1.05 | 1.2286 | 717.1 | 717.1 | 0.0243 | 0.0243 | | |
| PCB-191 | 45:54 | 714831 | 1.06 | 1.3848 | 14.9 | 14.9 | 0.0215 | 0.0215 | | |
| PCB-170 | 46:48 | 11381030 | 1.06 | 1.2700 | 336.0 | 336.0 | 0.0307 | 0.0307 | | |
| PCB-190 | 47:20 | 3202112 | 1.05 | 1.3774 | 67.0 | 67.0 | 0.0216 | 0.0216 | | |
| PCB-189 | 49:55 | 1132312 | 1.09 | 1.2799 | 13.0 | 13.0 | 0.1089 | 0.1089 | | |
| S Total Octachlorobipheny | | | | | 743.0 | 743.0 | 0.1358 | 0.1358 | | |
| D PCB-202L | 42:45 | 3258726 | 0.90 | 1.0055 | 83.8 | 83.8 | 0.1749 | 0.1749 | 83.84 | |
| * PCB-194L | 52:01 | 4692735 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:30 | 4906466 | 0.91 | 1.2867 | 81.3 | 81.3 | 0.0810 | 0.0810 | 81.26 | |
| PCB-202 | 42:46 | 1268244 | 0.93 | 1.0531 | 37.0 | 37.0 | 0.0659 | 0.0659 | | |
| PCB-201 | 43:42 | 880385 | 0.90 | 1.1860 | 22.8 | 22.8 | 0.0585 | 0.0585 | | |
| PCB-204 | 44:18 | | | | | | 0.0630 | 0.0630 | | |
| PCB-197 | 44:36 | 243882 | 0.89 | 1.2053 | 6.209 | 6.209 | 0.0576 | 0.0576 | | |
| PCB-200 | 44:42 | 870211 | 0.91 | 1.1260 | 23.7 | 23.7 | 0.0616 | 0.0616 | | |
| PCB-198 | 47:31 | 5198142 | 0.91 | 0.8183 | 194.9 | 194.9 | 0.0848 | 0.0848 | | |
| PCB-199 (C198) | 47:31 | 5198142 | 0.91 | 0.8183 | 194.9 | 194.9 | 0.0848 | 0.0848 | | |
| PCB-196 | 48:10 | 2489620 | 0.91 | 0.8748 | 87.3 | 87.3 | 0.0793 | 0.0793 | | |
| PCB-203 | 48:22 | 3510260 | 0.91 | 0.9219 | 116.8 | 116.8 | 0.0753 | 0.0753 | | |
| PCB-195 | 49:41 | 2863274 | 0.91 | 0.7839 | 74.4 | 74.4 | 0.3822 | 0.3822 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 52:03 | 7801615 | 0.90 | 0.9282 | 171.3 | 171.3 | 0.3228 | 0.3228 | | |
| PCB-205 | 52:31 | 515260 | 0.88 | 1.2342 | 8.509 | 8.509 | 0.2428 | 0.2428 | | |
| S Total Nonachlorobipheny | | | | | 173.8 | 130.4 | 0.2333 | 0.2333 | | RQ |
| D PCB-208L | 49:26 | 4158194 | 0.78 | 1.1383 | 77.8 | 77.8 | 0.2132 | 0.2132 | 77.85 | |
| D PCB-206L | 54:15 | 3060426 | 0.82 | 0.8938 | 73.0 | 73.0 | 0.2715 | 0.2715 | 72.96 | |
| PCB-208 | 49:27 | 798763 | 0.81 | 1.1567 | 16.6 | 16.6 | 0.2142 | 0.2142 | | |
| PCB-207 | 50:24 | 417916 | 0.78 | 1.3964 | 8.292 | 8.292 | 0.2042 | 0.2042 | | |
| PCB-206 | 54:16 | 3852573 | 0.77 | 1.1927 | 148.9 | 105.5 | 0.2816 | 0.2816 | | RQMa |
| D PCB-209L | 55:54 | 2958971 | 0.71 | 0.9809 | 64.3 | 64.3 | 0.0561 | 0.0561 | 64.29 | |
| DCB Decachlorobiphenyl | 55:56 | 1131791 | 0.69 | 1.2455 | 30.7 | 30.7 | 0.0220 | 0.0220 | | |
| S Polychlorinated bipheny | | | | | 22857 | 30.7 | 0.1899 | 0.1899 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- n - Failed Sig-To-Noise Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d
Lims ID: 580-88908-A-29-F
Client ID: J5-SC1b-50to60-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 18:48:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 21:25:35 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 21:25:35

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:45 | 11:46 | -1 | 0.728 | 3070638 | 1168014 | 1135 | 2837 | 1029 | | |
| 202.0766 | 11:45 | 11:46 | -1 | 0.728 | 1029435 | 380433 | 2608 | 6520 | 146 | 2.98(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:56 | -1 | 0.862 | 3487679 | 1208086 | 1135 | 2837 | 1064 | | |
| 202.0766 | 13:55 | 13:56 | -1 | 0.862 | 1116009 | 383668 | 2608 | 6520 | 147 | 3.13(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:45 | 11:46 | -2 | 1.000 | 229866 | 86469 | 251 | 627 | 344 | | |
| 190.0363 | 11:45 | 11:46 | -2 | 1.000 | 73635 | 28051 | 113 | 282 | 248 | 3.12(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | 13:46 | -1 | 0.988 | 29482 | 10184 | 251 | 627 | 41 | | |
| 190.0363 | 13:45 | 13:46 | -1 | 0.988 | 10067 | 3363 | 113 | 282 | 30 | 2.93(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | 13:57 | -1 | 1.001 | 183152 | 62528 | 251 | 627 | 249 | | |
| 190.0363 | 13:56 | 13:57 | -1 | 1.001 | 60085 | 19496 | 113 | 282 | 173 | 3.05(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:11 | -1 | 0.878 | 1221849 | 410223 | 460 | 1150 | 892 | | |
| 236.0376 | 14:10 | 14:11 | -1 | 0.878 | 764504 | 268528 | 199 | 497 | 1349 | 1.60(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:10 | -1 | | 3005516 | 888971 | 460 | 1150 | 1933 | | |
| 236.0376 | 16:09 | 16:10 | -1 | | 1874820 | 558212 | 199 | 497 | 2805 | 1.60(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:05 | 20:04 | 1 | 1.244 | 2539340 | 635866 | 460 | 1150 | 1382 | | |
| 236.0376 | 20:05 | 20:04 | 1 | 1.244 | 1537564 | 386953 | 199 | 497 | 1944 | 1.65(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:11 | 14:12 | -1 | 1.001 | 156694 | 51616 | 121 | 302 | 427 | | |
| 223.9974 | 14:11 | 14:12 | -1 | 1.001 | 99599 | 33176 | 227 | 567 | 146 | 1.57(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:22 | 14:23 | -1 | 1.014 | 17579 | 5036 | 121 | 302 | 42 | | |
| 223.9974 | 14:21 | 14:23 | -2 | 1.013 | 9868 | 3018 | 227 | 567 | 13 | 1.78(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:10 | 16:10 | 0 | 1.141 | 52951 | 15224 | 121 | 302 | 126 | | |
| 223.9974 | 16:10 | 16:10 | 0 | 1.141 | 34552 | 10711 | 227 | 567 | 47 | 1.53(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:20 | -1 | 1.152 | 41457 | 13024 | 121 | 302 | 108 | | |
| 223.9974 | 16:20 | 16:20 | -1 | 1.152 | 26463 | 7402 | 227 | 567 | 33 | 1.57(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:34 | 16:34 | 0 | 1.170 | 213627 | 61465 | 121 | 302 | 508 | | |
| 223.9974 | 16:34 | 16:34 | -1 | 1.169 | 133172 | 39202 | 227 | 567 | 173 | 1.60(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:53 | 16:52 | 0 | 1.191 | 14099 | 3801 | 121 | 302 | 31 | | |
| 223.9974 | 16:53 | 16:52 | 0 | 1.191 | 8496 | 2414 | 227 | 567 | 11 | 1.66(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:00 | 17:00 | 0 | 1.200 | 820087 | 239656 | 121 | 302 | 1981 | | |
| 223.9974 | 17:00 | 17:00 | 0 | 1.200 | 507026 | 149598 | 227 | 567 | 659 | 1.62(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | | | | | | 121 | 302 | | | |
| 223.9974 | 18:38 | | | | | | 227 | 567 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:29 | 19:29 | 1 | 0.970 | 16058 | 4151 | 121 | 302 | 34 | | |
| 223.9974 | 19:29 | 19:29 | 1 | 0.970 | 10375 | 2262 | 227 | 567 | 10 | 1.55(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:48 | -2 | 0.984 | 92158 | 17303 | 121 | 302 | 143 | | |
| 223.9974 | 19:46 | 19:48 | -2 | 0.984 | 60118 | 10555 | 227 | 567 | 46 | 1.53(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:48 | -2 | 0.984 | 92158 | 17303 | 121 | 302 | 143 | | |
| 223.9974 | 19:46 | 19:48 | -2 | 0.984 | 60118 | 10555 | 227 | 567 | 46 | 1.53(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:06 | 0 | 1.001 | 561934 | 133794 | 121 | 302 | 1106 | | |
| 223.9974 | 20:06 | 20:06 | 0 | 1.001 | 351196 | 85214 | 227 | 567 | 375 | 1.60(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:17 | 17:18 | -1 | 0.841 | 742033 | 207386 | 621 | 1552 | 334 | | |
| 269.9986 | 17:17 | 17:18 | -1 | 0.841 | 720084 | 207021 | 369 | 922 | 561 | 1.03(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:33 | 20:33 | 0 | | 1708625 | 452220 | 621 | 1552 | 728 | | |
| 269.9986 | 20:33 | 20:33 | 0 | | 1571360 | 413635 | 369 | 922 | 1121 | 1.09(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:50 | 22:49 | 1 | | 4992865 | 1205517 | 747 | 1867 | 1614 | | |
| 269.9986 | 22:50 | 22:49 | 1 | | 4688671 | 1135602 | 1132 | 2830 | 1003 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:07 | 23:07 | 1 | 1.013 | 4372065 | 1043162 | 747 | 1867 | 1396 | | |
| 269.9986 | 23:07 | 23:07 | 1 | 1.013 | 4092809 | 981216 | 1132 | 2830 | 867 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:09 | 27:08 | 2 | 1.189 | 4138702 | 894045 | 747 | 1867 | 1197 | | |
| 269.9986 | 27:09 | 27:08 | 2 | 1.189 | 3881396 | 853931 | 1132 | 2830 | 754 | 1.07(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | 17:18 | 0 | 1.002 | 57439 | 15864 | 31 | 77 | 512 | | |
| 257.9584 | 17:18 | 17:18 | -1 | 1.001 | 56212 | 15950 | 65 | 162 | 245 | 1.02(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:09 | 1 | 1.110 | 865869 | 232829 | 31 | 77 | 7511 | | |
| 257.9584 | 19:11 | 19:09 | 1 | 1.110 | 814856 | 218008 | 65 | 162 | 3354 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:09 | 1 | 1.110 | 865869 | 232829 | 31 | 77 | 7511 | | |
| 257.9584 | 19:11 | 19:09 | 1 | 1.110 | 814856 | 218008 | 65 | 162 | 3354 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | 19:36 | 0 | 1.134 | 457868 | 122726 | 31 | 77 | 3959 | | |
| 257.9584 | 19:36 | 19:36 | 0 | 1.134 | 437170 | 116423 | 65 | 162 | 1791 | 1.05(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | 19:48 | 0 | 1.146 | 83168 | 21587 | 31 | 77 | 696 | | |
| 257.9584 | 19:48 | 19:48 | 0 | 1.146 | 80076 | 21169 | 65 | 162 | 326 | 1.04(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:56 | 19:56 | 0 | 1.154 | 14343 | 4024 | 31 | 77 | 130 | | |
| 257.9584 | 19:57 | 19:56 | 1 | 1.155 | 15439 | 4456 | 65 | 162 | 69 | 0.93(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:03 | 20:03 | 0 | 1.161 | 270847 | 69706 | 31 | 77 | 2249 | | |
| 257.9584 | 20:03 | 20:03 | 0 | 1.161 | 253556 | 66193 | 65 | 162 | 1018 | 1.07(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:35 | 20:34 | 1 | 1.191 | 424390 | 109091 | 31 | 77 | 3519 | | |
| 257.9584 | 20:35 | 20:34 | 1 | 1.191 | 394994 | 99752 | 65 | 162 | 1535 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:51 | 21:49 | 1 | 1.265 | 99983 | 25051 | 3380 | 8450 | 7 | | |
| 257.9584 | 21:50 | 21:49 | 1 | 1.264 | 95243 | 24325 | 2422 | 6055 | 10 | 1.05(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | | | | | | 3380 | 8450 | | | |
| 257.9584 | 21:58 | | | | | | 2422 | 6055 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:17 | 0 | 1.290 | 1663851 | 408834 | 3380 | 8450 | 121 | | |
| 257.9584 | 22:18 | 22:17 | 0 | 1.290 | 1554363 | 383295 | 2422 | 6055 | 158 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:17 | 0 | 1.290 | 1663851 | 408834 | 3380 | 8450 | 121 | | |
| 257.9584 | 22:18 | 22:17 | 0 | 1.290 | 1554363 | 383295 | 2422 | 6055 | 158 | 1.07(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:32 | 22:32 | 1 | 0.830 | 889997 | 217877 | 3380 | 8450 | 64 | | |
| 257.9584 | 22:32 | 22:32 | 1 | 0.830 | 814044 | 195704 | 2422 | 6055 | 81 | 1.09(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:51 | 22:52 | 1 | 0.842 | 5078847 | 1208819 | 3380 | 8450 | 358 | | |
| 257.9584 | 22:51 | 22:52 | 1 | 0.841 | 4716585 | 1126013 | 2422 | 6055 | 465 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:09 | 23:10 | 1 | 0.853 | 7559833 | 1750310 | 3380 | 8450 | 518 | | |
| 257.9584 | 23:09 | 23:10 | 1 | 0.853 | 7048763 | 1637874 | 2422 | 6055 | 676 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:09 | 23:10 | 1 | 0.853 | 7559833 | 1750310 | 3380 | 8450 | 518 | | |
| 257.9584 | 23:09 | 23:10 | 1 | 0.853 | 7048763 | 1637874 | 2422 | 6055 | 676 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:23 | 23:24 | 1 | 0.862 | 3181675 | 740497 | 3380 | 8450 | 219 | | |
| 257.9584 | 23:23 | 23:24 | 1 | 0.862 | 2944731 | 684100 | 2422 | 6055 | 282 | 1.08(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:23 | 23:24 | 1 | 0.862 | 3181675 | 740497 | 3380 | 8450 | 219 | | |
| 257.9584 | 23:23 | 23:24 | 1 | 0.862 | 2944731 | 684100 | 2422 | 6055 | 282 | 1.08(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:46 | 23:48 | 1 | 0.876 | 1299140 | 307319 | 3380 | 8450 | 91 | | |
| 257.9584 | 23:46 | 23:48 | 1 | 0.876 | 1215681 | 288064 | 2422 | 6055 | 119 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | nMa |
| 255.9613 | 25:20 | 25:21 | 1 | 0.933 | 33338 | 7334 | 3380 | 8450 | 2 | | M |
| 257.9584 | 25:21 | 25:21 | 1 | 0.934 | 28124 | 7091 | 2422 | 6055 | 3 | 1.19(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | Ma |
| 255.9613 | 25:43 | 25:43 | 2 | 0.947 | 154096 | 28295 | 3380 | 8450 | 8 | | M |
| 257.9584 | 25:42 | 25:43 | 1 | 0.947 | 146086 | 26229 | 2422 | 6055 | 11 | 1.05(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:17 | | | | | | 3380 | 8450 | | | |
| 257.9584 | 26:17 | | | | | | 2422 | 6055 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:46 | 26:45 | 2 | 0.986 | 87560 | 19673 | 3380 | 8450 | 6 | | |
| 257.9584 | 26:45 | 26:45 | 1 | 0.985 | 86442 | 19455 | 2422 | 6055 | 8 | 1.01(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:09 | 27:10 | 1 | 1.000 | 1888187 | 409233 | 3380 | 8450 | 121 | | |
| 257.9584 | 27:09 | 27:10 | 1 | 1.000 | 1781148 | 383535 | 2422 | 6055 | 158 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:23 | 20:23 | 1 | 0.816 | 747338 | 194342 | 104 | 260 | 1869 | | |
| 303.9597 | 20:23 | 20:23 | 1 | 0.816 | 893328 | 234244 | 10 | 25 | 23424 | 0.84(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:58 | 24:57 | 1 | | 2247489 | 516647 | 300 | 750 | 1722 | | |
| 303.9597 | 24:58 | 24:57 | 1 | | 2804901 | 633304 | 501 | 1252 | 1264 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:55 | 33:54 | 3 | 1.358 | 2537923 | 527083 | 300 | 750 | 1757 | | |
| 303.9597 | 33:55 | 33:54 | 3 | 1.358 | 3155550 | 657045 | 501 | 1252 | 1311 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:28 | 34:27 | 3 | 1.381 | 2663433 | 527907 | 300 | 750 | 1760 | | |
| 303.9597 | 34:28 | 34:27 | 3 | 1.381 | 3297057 | 655932 | 501 | 1252 | 1309 | 0.81(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:24 | 1 | 1.000 | 5163 | 1434 | 6 | 15 | 239 | | |
| 291.9194 | 20:24 | 20:24 | 0 | 0.999 | 6241 | 1648 | 19 | 47 | 87 | 0.83(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:35 | -1 | 1.107 | 651669 | 155459 | 705 | 1762 | 221 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.107 | 812513 | 194076 | 767 | 1917 | 253 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:35 | -1 | 1.107 | 651669 | 155459 | 705 | 1762 | 221 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.107 | 812513 | 194076 | 767 | 1917 | 253 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:14 | 23:19 | -4 | 1.140 | 664983 | 106766 | 705 | 1762 | 151 | | M |
| 291.9194 | 23:14 | 23:19 | -4 | 1.140 | 843663 | 133025 | 767 | 1917 | 173 | 0.79(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:14 | 23:19 | -4 | 1.140 | 664983 | 106766 | 705 | 1762 | 151 | | M |
| 291.9194 | 23:14 | 23:19 | -4 | 1.140 | 843663 | 133025 | 767 | 1917 | 173 | 0.79(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:33 | 23:33 | 1 | 1.156 | 189327 | 45408 | 705 | 1762 | 64 | | |
| 291.9194 | 23:33 | 23:33 | 1 | 1.156 | 247777 | 59025 | 767 | 1917 | 77 | 0.76(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:59 | 24:59 | 1 | 1.226 | 16719378 | 3767400 | 705 | 1762 | 5344 | | |
| 291.9194 | 24:59 | 24:59 | 1 | 1.226 | 21093059 | 4820563 | 767 | 1917 | 6285 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | a |
| 289.9224 | 25:13 | 25:13 | 7 | 1.238 | 174423 | 35035 | 705 | 1762 | 50 | | a |
| 291.9194 | 25:13 | 25:13 | 7 | 1.238 | 218274 | 45026 | 767 | 1917 | 59 | 0.80(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | a |
| 289.9224 | 25:13 | 25:13 | 7 | 1.238 | 174423 | 35035 | 705 | 1762 | 50 | | a |
| 291.9194 | 25:13 | 25:13 | 7 | 1.238 | 218274 | 45026 | 767 | 1917 | 59 | 0.80(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:29 | 25:26 | 4 | 1.250 | 9204480 | 2089987 | 705 | 1762 | 2965 | | |
| 291.9194 | 25:29 | 25:26 | 4 | 1.250 | 11507551 | 2614612 | 767 | 1917 | 3409 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:29 | 25:26 | 4 | 1.250 | 9204480 | 2089987 | 705 | 1762 | 2965 | | |
| 291.9194 | 25:29 | 25:26 | 4 | 1.250 | 11507551 | 2614612 | 767 | 1917 | 3409 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:45 | 25:45 | 1 | 1.264 | 810838 | 182389 | 705 | 1762 | 259 | | |
| 291.9194 | 25:45 | 25:45 | 1 | 1.264 | 1041636 | 236902 | 767 | 1917 | 309 | 0.78(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:58 | 26:00 | -1 | 1.275 | 9392178 | 1543162 | 705 | 1762 | 2189 | | |
| 291.9194 | 25:58 | 26:00 | -1 | 1.275 | 11702089 | 1918360 | 767 | 1917 | 2501 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 26:00 | -1 | 1.275 | 9392178 | 1543162 | 705 | 1762 | 2189 | | |
| 291.9194 | 25:58 | 26:00 | -1 | 1.275 | 11702089 | 1918360 | 767 | 1917 | 2501 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 26:00 | -1 | 1.275 | 9392178 | 1543162 | 705 | 1762 | 2189 | | |
| 291.9194 | 25:58 | 26:00 | -1 | 1.275 | 11702089 | 1918360 | 767 | 1917 | 2501 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:17 | 3 | 1.292 | 782395 | 119896 | 705 | 1762 | 170 | | |
| 291.9194 | 26:21 | 26:17 | 4 | 1.293 | 984770 | 149909 | 767 | 1917 | 195 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:17 | 3 | 1.292 | 782395 | 119896 | 705 | 1762 | 170 | | |
| 291.9194 | 26:21 | 26:17 | 4 | 1.293 | 984770 | 149909 | 767 | 1917 | 195 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:17 | 3 | 1.292 | 782395 | 119896 | 705 | 1762 | 170 | | |
| 291.9194 | 26:21 | 26:17 | 4 | 1.293 | 984770 | 149909 | 767 | 1917 | 195 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:31 | 26:30 | 1 | 1.301 | 1779926 | 405641 | 705 | 1762 | 575 | | |
| 291.9194 | 26:31 | 26:30 | 1 | 1.301 | 2231500 | 514553 | 767 | 1917 | 671 | 0.80(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 27:00 | 27:00 | 1 | 1.325 | 2625629 | 539769 | 705 | 1762 | 766 | | M |
| 291.9194 | 27:00 | 27:00 | 1 | 1.325 | 3291708 | 680893 | 767 | 1917 | 888 | 0.80(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:00 | 27:00 | 1 | 1.325 | 2625629 | 539769 | 705 | 1762 | 766 | | M |
| 291.9194 | 27:00 | 27:00 | 1 | 1.325 | 3291708 | 680893 | 767 | 1917 | 888 | 0.80(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:00 | 27:00 | 1 | 1.325 | 2625629 | 539769 | 705 | 1762 | 766 | | M |
| 291.9194 | 27:00 | 27:00 | 1 | 1.325 | 3291708 | 680893 | 767 | 1917 | 888 | 0.80(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:13 | 27:12 | 1 | 1.336 | 3636264 | 797393 | 705 | 1762 | 1131 | | |
| 291.9194 | 27:13 | 27:12 | 1 | 1.336 | 4549901 | 995774 | 767 | 1917 | 1298 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:04 | 28:05 | 2 | 0.828 | 790386 | 181714 | 705 | 1762 | 258 | | |
| 291.9194 | 28:04 | 28:05 | 2 | 0.828 | 991774 | 221573 | 767 | 1917 | 289 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:22 | 28:22 | 2 | 0.836 | 408019 | 86139 | 705 | 1762 | 122 | | |
| 291.9194 | 28:22 | 28:22 | 2 | 0.836 | 480027 | 106843 | 767 | 1917 | 139 | 0.85(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:47 | 28:47 | 3 | 0.849 | 99045 | 26360 | 705 | 1762 | 37 | | |
| 291.9194 | 28:47 | 28:47 | 3 | 0.849 | 139633 | 34172 | 767 | 1917 | 45 | 0.71(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:01 | 29:01 | 2 | 0.855 | 140894 | 39182 | 705 | 1762 | 56 | | |
| 291.9194 | 29:01 | 29:01 | 2 | 0.855 | 180639 | 47952 | 767 | 1917 | 63 | 0.78(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:11 | 29:11 | 2 | 0.860 | 290416 | 61399 | 705 | 1762 | 87 | | |
| 291.9194 | 29:12 | 29:11 | 3 | 0.861 | 380339 | 75721 | 767 | 1917 | 99 | 0.76(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:27 | 29:27 | 2 | 0.868 | 535478 | 115772 | 705 | 1762 | 164 | | |
| 291.9194 | 29:27 | 29:27 | 2 | 0.868 | 674405 | 148194 | 767 | 1917 | 193 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | M |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 23126047 | 4028003 | 705 | 1762 | 5713 | | M |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 29208444 | 5130111 | 767 | 1917 | 6689 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 23126047 | 4028003 | 705 | 1762 | 5713 | | M |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 29208444 | 5130111 | 767 | 1917 | 6689 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 23126047 | 4028003 | 705 | 1762 | 5713 | | M |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 29208444 | 5130111 | 767 | 1917 | 6689 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 23126047 | 4028003 | 705 | 1762 | 5713 | | M |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 29208444 | 5130111 | 767 | 1917 | 6689 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | M |
| 289.9224 | 30:07 | 30:07 | 2 | 0.888 | 12243837 | 2539158 | 705 | 1762 | 3602 | | M |
| 291.9194 | 30:07 | 30:07 | 2 | 0.888 | 15389052 | 3209748 | 767 | 1917 | 4185 | 0.80(0.65-0.89) | M |
| PCB-55 | | | | | | | | | | | RQMa |
| 289.9224 | 30:13 | 30:13 | -1 | 0.891 | 85882 | 16666 | 705 | 1762 | 24 | | M |
| | Empc Correction | | | | 52051 | 12001 | 705 | 1762 | 17 | | |
| 291.9194 | 30:13 | 30:13 | -1 | 0.891 | 67599 | 15586 | 767 | 1917 | 20 | 1.27(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:47 | 30:47 | 3 | 0.908 | 3607444 | 766196 | 705 | 1762 | 1087 | | |
| 291.9194 | 30:47 | 30:47 | 3 | 0.908 | 4580087 | 975344 | 767 | 1917 | 1272 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:00 | 31:00 | 3 | 0.914 | 591033 | 125834 | 705 | 1762 | 178 | | |
| 291.9194 | 30:59 | 31:00 | 2 | 0.914 | 765754 | 161007 | 767 | 1917 | 210 | 0.77(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:25 | | | | | | 705 | 1762 | | | |
| 291.9194 | 31:25 | | | | | | 767 | 1917 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:57 | 32:56 | 3 | 0.971 | 540554 | 114829 | 705 | 1762 | 163 | | |
| 291.9194 | 32:57 | 32:56 | 3 | 0.971 | 680347 | 143599 | 767 | 1917 | 187 | 0.79(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:30 | | | | | | 705 | 1762 | | | |
| 291.9194 | 33:30 | | | | | | 767 | 1917 | | | |
| PCB-81 | | | | | | | | | | | Ma |
| 289.9224 | 33:55 | 33:54 | 2 | 1.000 | 24591 | 10620 | 705 | 1762 | 15 | | M |
| 291.9194 | 33:55 | 33:54 | 2 | 1.000 | 35961 | 13635 | 767 | 1917 | 18 | 0.68(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:30 | 34:30 | 3 | 1.001 | 988031 | 205718 | 705 | 1762 | 292 | | |
| 291.9194 | 34:30 | 34:30 | 3 | 1.001 | 1249444 | 257883 | 767 | 1917 | 336 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:55 | 25:56 | 1 | 0.814 | 2215674 | 504021 | 84 | 210 | 6000 | | |
| 339.9178 | 25:55 | 25:56 | 1 | 0.814 | 1422621 | 324361 | 98 | 245 | 3310 | 1.56(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:50 | 31:48 | 3 | | 2366345 | 512757 | 84 | 210 | 6104 | | |
| 339.9178 | 31:50 | 31:48 | 3 | | 1485936 | 311262 | 98 | 245 | 3176 | 1.59(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:32 | 34:32 | 3 | 1.085 | 2616394 | 527469 | 84 | 210 | 6279 | | |
| 339.9178 | 34:32 | 34:32 | 3 | 1.085 | 1657622 | 334327 | 98 | 245 | 3412 | 1.58(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:30 | 36:30 | 4 | 1.146 | 3709197 | 746654 | 2400 | 6000 | 311 | | |
| 339.9178 | 36:30 | 36:30 | 4 | 1.146 | 2334275 | 480426 | 1557 | 3892 | 309 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:50 | 36:50 | 4 | 1.157 | 4017702 | 813007 | 2400 | 6000 | 339 | | |
| 339.9178 | 36:50 | 36:50 | 4 | 1.157 | 2466288 | 498987 | 1557 | 3892 | 320 | 1.63(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:21 | 37:21 | 4 | 1.173 | 3759603 | 766158 | 2400 | 6000 | 319 | | |
| 339.9178 | 37:21 | 37:21 | 4 | 1.173 | 2374452 | 490103 | 1557 | 3892 | 315 | 1.58(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 38:00 | 38:00 | 4 | 1.194 | 3680937 | 741328 | 2400 | 6000 | 309 | | |
| 339.9178 | 38:00 | 38:00 | 4 | 1.194 | 2332305 | 462238 | 1557 | 3892 | 297 | 1.58(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:30 | 39:26 | 4 | | 4360976 | 873865 | 2400 | 6000 | 364 | | |
| 339.9178 | 39:30 | 39:26 | 4 | | 2784094 | 560898 | 1557 | 3892 | 360 | 1.57(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:06 | 41:06 | 4 | 1.291 | 3763817 | 738404 | 2400 | 6000 | 308 | | |
| 339.9178 | 41:06 | 41:06 | 4 | 1.291 | 2351150 | 466954 | 1557 | 3892 | 300 | 1.60(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:56 | | | | | | 67 | 167 | | | |
| 327.8775 | 25:56 | | | | | | 46 | 115 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:18 | | | | | | 67 | 167 | | | |
| 327.8775 | 26:18 | | | | | | 46 | 115 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:15 | 28:14 | 2 | 1.090 | 792122 | 169266 | 67 | 167 | 2526 | | |
| 327.8775 | 28:15 | 28:14 | 2 | 1.090 | 501743 | 112115 | 46 | 115 | 2437 | 1.58(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:28 | | | | | | 67 | 167 | | | |
| 327.8775 | 28:28 | | | | | | 46 | 115 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:55 | 28:54 | 2 | 1.116 | 21965329 | 4842957 | 67 | 167 | 72283 | | |
| 327.8775 | 28:55 | 28:54 | 2 | 1.116 | 13926462 | 3026150 | 46 | 115 | 65786 | 1.58(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:08 | 1 | 1.124 | 483982 | 90917 | 67 | 167 | 1357 | | |
| 327.8775 | 29:08 | 29:08 | 1 | 1.124 | 303399 | 56551 | 46 | 115 | 1229 | 1.60(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:08 | 1 | 1.124 | 483982 | 90917 | 67 | 167 | 1357 | | |
| 327.8775 | 29:08 | 29:08 | 1 | 1.124 | 303399 | 56551 | 46 | 115 | 1229 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:17 | 29:16 | 2 | 1.130 | 817405 | 135604 | 67 | 167 | 2024 | | |
| 327.8775 | 29:17 | 29:16 | 2 | 1.130 | 513883 | 90521 | 46 | 115 | 1968 | 1.59(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:17 | 29:16 | 2 | 1.130 | 817405 | 135604 | 67 | 167 | 2024 | | |
| 327.8775 | 29:17 | 29:16 | 2 | 1.130 | 513883 | 90521 | 46 | 115 | 1968 | 1.59(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:47 | 29:46 | 2 | 1.149 | 4383944 | 954194 | 67 | 167 | 14242 | | |
| 327.8775 | 29:47 | 29:46 | 2 | 1.149 | 2781159 | 610028 | 46 | 115 | 13261 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:47 | 29:46 | 2 | 1.149 | 4383944 | 954194 | 67 | 167 | 14242 | | |
| 327.8775 | 29:47 | 29:46 | 2 | 1.149 | 2781159 | 610028 | 46 | 115 | 13261 | 1.58(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:00 | 29:59 | 2 | 1.158 | 6250634 | 1336355 | 67 | 167 | 19946 | | |
| 327.8775 | 30:00 | 29:59 | 2 | 1.158 | 3975891 | 857841 | 46 | 115 | 18649 | 1.57(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:29 | 30:28 | 2 | 1.176 | 200213 | 38150 | 67 | 167 | 569 | | |
| 327.8775 | 30:28 | 30:28 | 1 | 1.176 | 116565 | 22415 | 46 | 115 | 487 | 1.72(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:53 | | | | | | 67 | 167 | | | |
| 327.8775 | 30:53 | | | | | | 46 | 115 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:17 | 31:17 | 3 | 0.857 | 7914228 | 1665251 | 67 | 167 | 24854 | | |
| 327.8775 | 31:17 | 31:17 | 3 | 0.857 | 5032064 | 1064811 | 46 | 115 | 23148 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:50 | 4 | 1.230 | 37644611 | 8016196 | 67 | 167 | 119645 | | |
| 327.8775 | 31:52 | 31:50 | 4 | 1.230 | 23498546 | 4947494 | 46 | 115 | 107554 | 1.60(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:50 | 4 | 1.230 | 37644611 | 8016196 | 67 | 167 | 119645 | | |
| 327.8775 | 31:52 | 31:50 | 4 | 1.230 | 23498546 | 4947494 | 46 | 115 | 107554 | 1.60(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:50 | 4 | 1.230 | 37644611 | 8016196 | 67 | 167 | 119645 | | |
| 327.8775 | 31:52 | 31:50 | 4 | 1.230 | 23498546 | 4947494 | 46 | 115 | 107554 | 1.60(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:27 | 32:26 | 3 | 1.252 | 19420433 | 3735450 | 67 | 167 | 55753 | | M |
| 327.8775 | 32:27 | 32:26 | 3 | 1.252 | 12363302 | 2354270 | 46 | 115 | 51180 | 1.57(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:27 | 32:26 | 3 | 1.252 | 19420433 | 3735450 | 67 | 167 | 55753 | | M |
| 327.8775 | 32:27 | 32:26 | 3 | 1.252 | 12363302 | 2354270 | 46 | 115 | 51180 | 1.57(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:33 | | | | | | 67 | 167 | | | |
| 327.8775 | 32:33 | | | | | | 46 | 115 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 3 | 1.272 | 20436991 | 2221741 | 67 | 167 | 33160 | | M |
| 327.8775 | 32:57 | 32:57 | 3 | 1.272 | 13153032 | 1426175 | 46 | 115 | 31004 | 1.55(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 3 | 1.272 | 20436991 | 2221741 | 67 | 167 | 33160 | | M |
| 327.8775 | 32:57 | 32:57 | 3 | 1.272 | 13153032 | 1426175 | 46 | 115 | 31004 | 1.55(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 3 | 1.272 | 20436991 | 2221741 | 67 | 167 | 33160 | | M |
| 327.8775 | 32:57 | 32:57 | 3 | 1.272 | 13153032 | 1426175 | 46 | 115 | 31004 | 1.55(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 3 | 1.272 | 20436991 | 2221741 | 67 | 167 | 33160 | | M |
| 327.8775 | 32:57 | 32:57 | 3 | 1.272 | 13153032 | 1426175 | 46 | 115 | 31004 | 1.55(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 3 | 1.272 | 20436991 | 2221741 | 67 | 167 | 33160 | | M |
| 327.8775 | 32:57 | 32:57 | 3 | 1.272 | 13153032 | 1426175 | 46 | 115 | 31004 | 1.55(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 3 | 1.272 | 20436991 | 2221741 | 67 | 167 | 33160 | | M |
| 327.8775 | 32:57 | 32:57 | 3 | 1.272 | 13153032 | 1426175 | 46 | 115 | 31004 | 1.55(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:39 | 3 | 1.300 | 5052893 | 860705 | 67 | 167 | 12846 | | |
| 327.8775 | 33:40 | 33:39 | 3 | 1.300 | 3224643 | 554438 | 46 | 115 | 12053 | 1.57(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:39 | 3 | 1.300 | 5052893 | 860705 | 67 | 167 | 12846 | | |
| 327.8775 | 33:40 | 33:39 | 3 | 1.300 | 3224643 | 554438 | 46 | 115 | 12053 | 1.57(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:39 | 3 | 1.300 | 5052893 | 860705 | 67 | 167 | 12846 | | |
| 327.8775 | 33:40 | 33:39 | 3 | 1.300 | 3224643 | 554438 | 46 | 115 | 12053 | 1.57(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:54 | -2 | 1.306 | 42671051 | 8897708 | 67 | 167 | 132802 | | |
| 327.8775 | 33:50 | 33:54 | -2 | 1.306 | 26587945 | 5451130 | 46 | 115 | 118503 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:54 | -2 | 1.306 | 42671051 | 8897708 | 67 | 167 | 132802 | | |
| 327.8775 | 33:50 | 33:54 | -2 | 1.306 | 26587945 | 5451130 | 46 | 115 | 118503 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:09 | 34:08 | 2 | 1.318 | 2414264 | 459137 | 67 | 167 | 6853 | | |
| 327.8775 | 34:09 | 34:08 | 3 | 1.318 | 1475374 | 288863 | 46 | 115 | 6280 | 1.64(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:32 | | | | | | 67 | 167 | | | |
| 327.8775 | 34:32 | | | | | | 46 | 115 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:02 | 34:59 | 4 | 1.352 | 441538 | 79626 | 67 | 167 | 1188 | | |
| 327.8775 | 35:01 | 34:59 | 3 | 1.352 | 266380 | 50521 | 46 | 115 | 1098 | 1.66(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:08 | 4 | 1.396 | 1825393 | 365038 | 3352 | 8380 | 109 | | |
| 327.8775 | 36:10 | 36:08 | 4 | 1.396 | 1183997 | 239870 | 2217 | 5542 | 108 | 1.54(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:08 | 4 | 1.396 | 1825393 | 365038 | 3352 | 8380 | 109 | | |
| 327.8775 | 36:10 | 36:08 | 4 | 1.396 | 1183997 | 239870 | 2217 | 5542 | 108 | 1.54(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:25 | 36:23 | 4 | 1.405 | 5045640 | 997453 | 3352 | 8380 | 298 | | |
| 327.8775 | 36:25 | 36:23 | 4 | 1.405 | 3185354 | 628548 | 2217 | 5542 | 284 | 1.58(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:32 | 36:32 | 4 | 1.001 | 701477 | 152468 | 3352 | 8380 | 45 | | |
| 327.8775 | 36:32 | 36:32 | 4 | 1.001 | 443910 | 98118 | 2217 | 5542 | 44 | 1.58(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:39 | | | | | | 3352 | 8380 | | | |
| 327.8775 | 36:39 | | | | | | 2217 | 5542 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:51 | 36:51 | 4 | 1.001 | 52774607 | 10886389 | 3352 | 8380 | 3248 | | |
| 327.8775 | 36:51 | 36:51 | 4 | 1.001 | 32846086 | 6721172 | 2217 | 5542 | 3032 | 1.61(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:12 | 37:12 | 4 | 1.010 | 593719 | 110270 | 3352 | 8380 | 33 | | |
| 327.8775 | 37:12 | 37:12 | 4 | 1.010 | 377277 | 69802 | 2217 | 5542 | 31 | 1.57(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:23 | 37:23 | 4 | 1.001 | 1103654 | 192105 | 3352 | 8380 | 57 | | |
| 327.8775 | 37:23 | 37:23 | 4 | 1.001 | 699156 | 118700 | 2217 | 5542 | 54 | 1.58(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:02 | 38:01 | 4 | 1.001 | 14375705 | 2783298 | 3352 | 8380 | 830 | | |
| 327.8775 | 38:02 | 38:01 | 4 | 1.001 | 9203357 | 1776921 | 2217 | 5542 | 801 | 1.56(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | MUa |
| 325.8804 | 39:30 | | | | | | 3352 | 8380 | | | |
| 327.8775 | 39:30 | | | | | | 2217 | 5542 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:07 | 41:06 | 4 | 1.000 | 163874 | 34531 | 3352 | 8380 | 10 | | |
| 327.8775 | 41:08 | 41:06 | 5 | 1.001 | 100468 | 20377 | 2217 | 5542 | 9 | 1.63(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:37 | 31:37 | 2 | 0.791 | 2060550 | 441981 | 109 | 272 | 4055 | | |
| 373.8788 | 31:37 | 31:37 | 3 | 0.791 | 1606892 | 332564 | 78 | 195 | 4264 | 1.28(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:57 | 39:54 | 4 | | 2669365 | 526439 | 835 | 2087 | 630 | | |
| 373.8788 | 39:57 | 39:54 | 4 | | 2039248 | 408251 | 660 | 1650 | 619 | 1.31(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:59 | 42:58 | 4 | 1.076 | 2732655 | 544693 | 835 | 2087 | 652 | | |
| 373.8788 | 42:59 | 42:58 | 5 | 1.076 | 2152022 | 426657 | 660 | 1650 | 646 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:08 | 44:07 | 4 | 1.104 | 5446002 | 769736 | 835 | 2087 | 922 | | |
| 373.8788 | 44:08 | 44:07 | 4 | 1.104 | 4191919 | 596455 | 660 | 1650 | 904 | 1.30(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:08 | 44:07 | 4 | 1.104 | 5446002 | 769736 | 835 | 2087 | 922 | | |
| 373.8788 | 44:08 | 44:07 | 4 | 1.104 | 4191919 | 596455 | 660 | 1650 | 904 | 1.30(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:22 | 47:22 | 5 | 1.186 | 2791530 | 535081 | 835 | 2087 | 641 | | |
| 373.8788 | 47:22 | 47:22 | 5 | 1.186 | 2199675 | 424370 | 660 | 1650 | 643 | 1.27(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:38 | | | | | | 46 | 115 | | | |
| 361.8385 | 31:38 | | | | | | 41 | 102 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:50 | 31:50 | 2 | 1.007 | 27122 | 5885 | 46 | 115 | 128 | | |
| 361.8385 | 31:50 | 31:50 | 2 | 1.007 | 23079 | 4676 | 41 | 102 | 114 | 1.18(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:00 | 32:00 | 3 | 1.012 | 189379 | 39201 | 46 | 115 | 852 | | |
| 361.8385 | 32:00 | 32:00 | 3 | 1.012 | 148878 | 30886 | 41 | 102 | 753 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:21 | 32:21 | 2 | 1.023 | 5053017 | 1053985 | 46 | 115 | 22913 | | |
| 361.8385 | 32:21 | 32:21 | 2 | 1.023 | 3980749 | 829079 | 41 | 102 | 20221 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | Ma |
| 359.8415 | 32:38 | 32:38 | 0 | 1.032 | 17839 | 3429 | 46 | 115 | 75 | | M |
| 361.8385 | 32:39 | 32:38 | 1 | 1.033 | 15832 | 2557 | 41 | 102 | 62 | 1.13(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:11 | 34:10 | 3 | 1.081 | 178816 | 36238 | 46 | 115 | 788 | | |
| 361.8385 | 34:11 | 34:10 | 3 | 1.081 | 135129 | 27433 | 41 | 102 | 669 | 1.32(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:46 | 34:49 | 0 | 1.100 | 9298705 | 1215399 | 46 | 115 | 26422 | | |
| 361.8385 | 34:46 | 34:49 | 0 | 1.100 | 7391133 | 967115 | 41 | 102 | 23588 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:46 | 34:49 | 0 | 1.100 | 9298705 | 1215399 | 46 | 115 | 26422 | | |
| 361.8385 | 34:46 | 34:49 | 0 | 1.100 | 7391133 | 967115 | 41 | 102 | 23588 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:02 | 35:02 | 3 | 1.108 | 1033145 | 206698 | 46 | 115 | 4493 | | |
| 361.8385 | 35:02 | 35:02 | 3 | 1.108 | 804249 | 158404 | 41 | 102 | 3864 | 1.28(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:20 | 35:20 | 3 | 1.118 | 1062537 | 218543 | 46 | 115 | 4751 | | |
| 361.8385 | 35:20 | 35:20 | 3 | 1.118 | 835408 | 168084 | 41 | 102 | 4100 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:42 | 3 | 1.130 | 32716681 | 6794616 | 693 | 1732 | 9805 | | |
| 361.8385 | 35:42 | 35:42 | 3 | 1.130 | 25861663 | 5305298 | 440 | 1100 | 12058 | 1.27(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:42 | 3 | 1.130 | 32716681 | 6794616 | 693 | 1732 | 9805 | | |
| 361.8385 | 35:42 | 35:42 | 3 | 1.130 | 25861663 | 5305298 | 440 | 1100 | 12058 | 1.27(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:54 | 35:54 | -3 | 1.136 | 2208767 | 401833 | 693 | 1732 | 580 | | a |
| 361.8385 | 35:54 | 35:54 | -3 | 1.136 | 1766138 | 322021 | 440 | 1100 | 732 | 1.25(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:54 | 35:54 | -3 | 1.136 | 2208767 | 401833 | 693 | 1732 | 580 | | a |
| 361.8385 | 35:54 | 35:54 | -3 | 1.136 | 1766138 | 322021 | 440 | 1100 | 732 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:17 | 4 | 1.149 | 1020335 | 188129 | 693 | 1732 | 271 | | |
| 361.8385 | 36:18 | 36:17 | 4 | 1.149 | 808272 | 144157 | 440 | 1100 | 328 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:17 | 4 | 1.149 | 1020335 | 188129 | 693 | 1732 | 271 | | |
| 361.8385 | 36:18 | 36:17 | 4 | 1.149 | 808272 | 144157 | 440 | 1100 | 328 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:30 | 36:30 | 3 | 1.155 | 491479 | 96457 | 693 | 1732 | 139 | | |
| 361.8385 | 36:30 | 36:30 | 3 | 1.155 | 394311 | 77571 | 440 | 1100 | 176 | 1.25(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:38 | | | | | | 693 | 1732 | | | |
| 361.8385 | 36:38 | | | | | | 440 | 1100 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:58 | 36:57 | 3 | 1.169 | 12047745 | 2443487 | 693 | 1732 | 3526 | | |
| 361.8385 | 36:58 | 36:57 | 3 | 1.169 | 9656471 | 1964453 | 440 | 1100 | 4465 | 1.25(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:29 | 37:28 | 4 | 1.186 | 1012105 | 204079 | 693 | 1732 | 294 | | |
| 361.8385 | 37:28 | 37:28 | 3 | 1.185 | 788482 | 154012 | 440 | 1100 | 350 | 1.28(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:53 | | | | | | 693 | 1732 | | | |
| 361.8385 | 37:53 | | | | | | 440 | 1100 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:08 | 38:08 | 4 | 0.887 | 8495556 | 1667085 | 693 | 1732 | 2406 | | |
| 361.8385 | 38:08 | 38:08 | 4 | 0.887 | 6781956 | 1337680 | 440 | 1100 | 3040 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:16 | | | | | | 693 | 1732 | | | |
| 361.8385 | 38:16 | | | | | | 440 | 1100 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:44 | 38:47 | 1 | 0.901 | 40681170 | 8290441 | 693 | 1732 | 11963 | | |
| 361.8385 | 38:44 | 38:47 | 1 | 0.901 | 32263988 | 6567077 | 440 | 1100 | 14925 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:44 | 38:47 | 1 | 0.901 | 40681170 | 8290441 | 693 | 1732 | 11963 | | |
| 361.8385 | 38:44 | 38:47 | 1 | 0.901 | 32263988 | 6567077 | 440 | 1100 | 14925 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:56 | 38:56 | 4 | 0.906 | 6331102 | 1215839 | 693 | 1732 | 1754 | | |
| 361.8385 | 38:56 | 38:56 | 4 | 0.906 | 5046551 | 974298 | 440 | 1100 | 2214 | 1.25(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:21 | 39:21 | 4 | 0.915 | 2459401 | 484538 | 693 | 1732 | 699 | | |
| 361.8385 | 39:21 | 39:21 | 4 | 0.915 | 1959890 | 387149 | 440 | 1100 | 880 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:34 | 39:34 | 4 | 0.921 | 1769750 | 367333 | 693 | 1732 | 530 | | |
| 361.8385 | 39:34 | 39:34 | 4 | 0.921 | 1405230 | 279150 | 440 | 1100 | 634 | 1.26(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:41 | 39:41 | 4 | 0.923 | 3453137 | 688859 | 693 | 1732 | 994 | | |
| 361.8385 | 39:41 | 39:41 | 4 | 0.923 | 2721283 | 546001 | 440 | 1100 | 1241 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 40:00 | 40:00 | 4 | 0.931 | 40592777 | 7724292 | 693 | 1732 | 11146 | | |
| 361.8385 | 40:00 | 40:00 | 4 | 0.931 | 32385999 | 6146284 | 440 | 1100 | 13969 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 40:00 | 40:00 | 4 | 0.931 | 40592777 | 7724292 | 693 | 1732 | 11146 | | |
| 361.8385 | 40:00 | 40:00 | 4 | 0.931 | 32385999 | 6146284 | 440 | 1100 | 13969 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 40:00 | 40:00 | 4 | 0.931 | 40592777 | 7724292 | 693 | 1732 | 11146 | | |
| 361.8385 | 40:00 | 40:00 | 4 | 0.931 | 32385999 | 6146284 | 440 | 1100 | 13969 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 40:00 | 40:00 | 4 | 0.931 | 40592777 | 7724292 | 693 | 1732 | 11146 | | |
| 361.8385 | 40:00 | 40:00 | 4 | 0.931 | 32385999 | 6146284 | 440 | 1100 | 13969 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:22 | 40:23 | 4 | 0.939 | 4850663 | 913612 | 693 | 1732 | 1318 | | |
| 361.8385 | 40:22 | 40:23 | 4 | 0.939 | 3831907 | 726191 | 440 | 1100 | 1650 | 1.27(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 4 | 0.960 | 6735240 | 1211154 | 693 | 1732 | 1748 | | |
| 361.8385 | 41:14 | 41:14 | 4 | 0.960 | 5324136 | 962333 | 440 | 1100 | 2187 | 1.27(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 4 | 0.960 | 6735240 | 1211154 | 693 | 1732 | 1748 | | |
| 361.8385 | 41:14 | 41:14 | 4 | 0.960 | 5324136 | 962333 | 440 | 1100 | 2187 | 1.27(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:12 | 42:14 | 3 | 0.982 | 450859 | 84224 | 693 | 1732 | 122 | | |
| 361.8385 | 42:12 | 42:14 | 3 | 0.982 | 355636 | 67032 | 440 | 1100 | 152 | 1.27(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | Ma |
| 359.8415 | 42:32 | 42:32 | 5 | 0.990 | 160217 | 34274 | 693 | 1732 | 49 | | M |
| 361.8385 | 42:32 | 42:32 | 5 | 0.990 | 129613 | 27373 | 440 | 1100 | 62 | 1.24(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:00 | 43:00 | 4 | 1.001 | 1846943 | 363895 | 693 | 1732 | 525 | | |
| 361.8385 | 43:00 | 43:00 | 4 | 1.001 | 1466766 | 293033 | 440 | 1100 | 666 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | 3 | 1.000 | 5770123 | 1000272 | 693 | 1732 | 1443 | | |
| 361.8385 | 44:08 | 44:09 | 3 | 1.000 | 4550096 | 791298 | 440 | 1100 | 1798 | 1.27(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | 3 | 1.000 | 5770123 | 1000272 | 693 | 1732 | 1443 | | |
| 361.8385 | 44:08 | 44:09 | 3 | 1.000 | 4550096 | 791298 | 440 | 1100 | 1798 | 1.27(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:24 | | | | | | 693 | 1732 | | | |
| 361.8385 | 47:24 | | | | | | 440 | 1100 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:21 | 37:22 | 3 | 0.820 | 2202109 | 432161 | 164 | 410 | 2635 | | |
| 407.8398 | 37:21 | 37:22 | 3 | 0.820 | 2074512 | 416936 | 64 | 160 | 6515 | 1.06(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:26 | 40:25 | 4 | 0.888 | 1666139 | 332935 | 164 | 410 | 2030 | | |
| 407.8398 | 40:26 | 40:25 | 4 | 0.888 | 1539553 | 313864 | 64 | 160 | 4904 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:32 | 45:27 | 4 | | 2009642 | 385991 | 164 | 410 | 2354 | | |
| 407.8398 | 45:32 | 45:27 | 4 | | 1855907 | 364647 | 64 | 160 | 5698 | 1.08(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:47 | 46:47 | 4 | 1.028 | 1381354 | 271869 | 164 | 410 | 1658 | | |
| 407.8398 | 46:47 | 46:47 | 4 | 1.028 | 1285923 | 254272 | 64 | 160 | 3973 | 1.07(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:55 | 49:54 | 5 | 1.096 | 3512658 | 690502 | 816 | 2040 | 846 | | |
| 407.8398 | 49:55 | 49:54 | 5 | 1.096 | 3297191 | 639914 | 2030 | 5075 | 315 | 1.07(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:23 | | | | | | 42 | 105 | | | |
| 395.7995 | 37:23 | | | | | | 40 | 100 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:43 | 37:42 | 4 | 1.010 | 4413526 | 880666 | 42 | 105 | 20968 | | |
| 395.7995 | 37:43 | 37:42 | 4 | 1.010 | 4158985 | 832662 | 40 | 100 | 20817 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:15 | | | | | | 42 | 105 | | | |
| 395.7995 | 38:15 | | | | | | 40 | 100 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:36 | 38:36 | 3 | 1.033 | 1295387 | 259354 | 42 | 105 | 6175 | | |
| 395.7995 | 38:36 | 38:36 | 3 | 1.033 | 1229317 | 245189 | 40 | 100 | 6130 | 1.05(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:03 | | | | | | 42 | 105 | | | |
| 395.7995 | 39:03 | | | | | | 40 | 100 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:27 | 40:26 | 4 | 1.083 | 1536899 | 310898 | 42 | 105 | 7402 | | |
| 395.7995 | 40:27 | 40:26 | 4 | 1.083 | 1451698 | 290015 | 40 | 100 | 7250 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:05 | 41:04 | 4 | 1.100 | 313375 | 62207 | 42 | 105 | 1481 | | |
| 395.7995 | 41:05 | 41:04 | 4 | 1.100 | 301107 | 59682 | 40 | 100 | 1492 | 1.04(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:21 | 41:20 | 4 | 1.107 | 9093464 | 1794063 | 42 | 105 | 42716 | | |
| 395.7995 | 41:21 | 41:20 | 4 | 1.107 | 8657071 | 1717811 | 40 | 100 | 42945 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:34 | 41:33 | 4 | 1.113 | 90565 | 15336 | 42 | 105 | 365 | | |
| 395.7995 | 41:34 | 41:33 | 4 | 1.113 | 77818 | 13703 | 40 | 100 | 343 | 1.16(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:58 | 41:57 | 4 | 1.124 | 4649423 | 783016 | 42 | 105 | 18643 | | |
| 395.7995 | 41:58 | 41:57 | 4 | 1.124 | 4435260 | 744907 | 40 | 100 | 18623 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:58 | 41:57 | 4 | 1.124 | 4649423 | 783016 | 42 | 105 | 18643 | | |
| 395.7995 | 41:58 | 41:57 | 4 | 1.124 | 4435260 | 744907 | 40 | 100 | 18623 | 1.05(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:12 | 42:11 | 4 | 1.130 | 6283262 | 1214618 | 42 | 105 | 28919 | | |
| 395.7995 | 42:12 | 42:11 | 4 | 1.130 | 5999044 | 1159331 | 40 | 100 | 28983 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:38 | 42:38 | 3 | 1.141 | 3817845 | 753138 | 42 | 105 | 17932 | | |
| 395.7995 | 42:38 | 42:38 | 3 | 1.141 | 3634111 | 707482 | 40 | 100 | 17687 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:02 | 43:01 | 3 | 1.152 | 74337 | 12797 | 42 | 105 | 305 | | |
| 395.7995 | 43:03 | 43:01 | 4 | 1.152 | 69953 | 11994 | 40 | 100 | 300 | 1.06(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:16 | 43:15 | 4 | 1.158 | 1867787 | 354787 | 42 | 105 | 8447 | | |
| 395.7995 | 43:16 | 43:15 | 4 | 1.158 | 1767707 | 338352 | 40 | 100 | 8459 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:16 | 43:15 | 4 | 1.158 | 1867787 | 354787 | 42 | 105 | 8447 | | |
| 395.7995 | 43:16 | 43:15 | 4 | 1.158 | 1767707 | 338352 | 40 | 100 | 8459 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:54 | 44:53 | 4 | 0.900 | 1081162 | 208003 | 42 | 105 | 4952 | | |
| 395.7995 | 44:54 | 44:53 | 4 | 0.900 | 1025650 | 200985 | 40 | 100 | 5025 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:11 | | | | | | 42 | 105 | | | |
| 395.7995 | 45:11 | | | | | | 40 | 100 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:33 | 45:30 | 7 | 0.913 | 15646700 | 2923223 | 42 | 105 | 69601 | | |
| 395.7995 | 45:33 | 45:30 | 7 | 0.913 | 14941438 | 2771199 | 40 | 100 | 69280 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:33 | 45:30 | 7 | 0.913 | 15646700 | 2923223 | 42 | 105 | 69601 | | |
| 395.7995 | 45:33 | 45:30 | 7 | 0.913 | 14941438 | 2771199 | 40 | 100 | 69280 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:54 | 45:54 | 4 | 0.920 | 367818 | 66853 | 42 | 105 | 1592 | | |
| 395.7995 | 45:54 | 45:54 | 4 | 0.920 | 347013 | 63319 | 40 | 100 | 1583 | 1.06(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:48 | 46:48 | 3 | 0.938 | 5844875 | 1120078 | 42 | 105 | 26669 | | |
| 395.7995 | 46:48 | 46:48 | 3 | 0.938 | 5536155 | 1072684 | 40 | 100 | 26817 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:20 | 47:20 | 4 | 0.948 | 1638397 | 316783 | 42 | 105 | 7542 | | |
| 395.7995 | 47:20 | 47:20 | 4 | 0.948 | 1563715 | 302736 | 40 | 100 | 7568 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:55 | 49:55 | 4 | 1.000 | 591141 | 116010 | 332 | 830 | 349 | | |
| 395.7995 | 49:55 | 49:55 | 4 | 1.000 | 541171 | 107041 | 410 | 1025 | 261 | 1.09(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:45 | 42:44 | 3 | 0.822 | 1543920 | 306012 | 334 | 835 | 916 | | |
| 441.8008 | 42:45 | 42:44 | 3 | 0.822 | 1714806 | 345336 | 194 | 485 | 1780 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:01 | 51:57 | 5 | | 2226537 | 423460 | 194 | 485 | 2183 | | |
| 441.8008 | 52:01 | 51:57 | 5 | | 2466198 | 479902 | 183 | 457 | 2622 | 0.90(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:30 | 52:29 | 5 | 1.009 | 2332201 | 458052 | 194 | 485 | 2361 | | |
| 441.8008 | 52:30 | 52:29 | 5 | 1.009 | 2574265 | 503850 | 183 | 457 | 2753 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:46 | 42:45 | 4 | 1.001 | 612436 | 121256 | 103 | 257 | 1177 | | |
| 429.7606 | 42:46 | 42:45 | 4 | 1.001 | 655808 | 129939 | 78 | 195 | 1666 | 0.93(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:42 | 43:40 | 4 | 1.022 | 417209 | 84634 | 103 | 257 | 822 | | |
| 429.7606 | 43:42 | 43:40 | 4 | 1.022 | 463176 | 92411 | 78 | 195 | 1185 | 0.90(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:22 | | | | | | 103 | 257 | | | |
| 429.7606 | 44:22 | | | | | | 78 | 195 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:35 | 4 | 1.043 | 115092 | 26815 | 103 | 257 | 260 | | |
| 429.7606 | 44:36 | 44:35 | 4 | 1.043 | 128790 | 30122 | 78 | 195 | 386 | 0.89(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:42 | 44:41 | 4 | 1.046 | 415608 | 77443 | 103 | 257 | 752 | | |
| 429.7606 | 44:42 | 44:41 | 4 | 1.046 | 454603 | 84127 | 78 | 195 | 1079 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:31 | 47:29 | 5 | 1.112 | 2477832 | 464582 | 103 | 257 | 4511 | | |
| 429.7606 | 47:31 | 47:29 | 5 | 1.112 | 2720310 | 509491 | 78 | 195 | 6532 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:31 | 47:29 | 5 | 1.112 | 2477832 | 464582 | 103 | 257 | 4511 | | |
| 429.7606 | 47:31 | 47:29 | 5 | 1.112 | 2720310 | 509491 | 78 | 195 | 6532 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:10 | 48:10 | 4 | 0.918 | 1182736 | 232178 | 103 | 257 | 2254 | | |
| 429.7606 | 48:10 | 48:10 | 4 | 0.918 | 1306884 | 254762 | 78 | 195 | 3266 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:22 | 48:22 | 4 | 0.921 | 1668675 | 323393 | 103 | 257 | 3140 | | |
| 429.7606 | 48:22 | 48:22 | 4 | 0.921 | 1841585 | 357168 | 78 | 195 | 4579 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:41 | 49:41 | 4 | 0.946 | 1365700 | 263872 | 561 | 1402 | 470 | | |
| 429.7606 | 49:41 | 49:41 | 4 | 0.946 | 1497574 | 290226 | 592 | 1480 | 490 | 0.91(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:03 | 52:02 | 5 | 0.992 | 3687357 | 707186 | 561 | 1402 | 1261 | | |
| 429.7606 | 52:03 | 52:02 | 5 | 0.992 | 4114258 | 786676 | 592 | 1480 | 1329 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:31 | 52:30 | 5 | 1.000 | 241328 | 43453 | 561 | 1402 | 77 | | |
| 429.7606 | 52:31 | 52:30 | 5 | 1.000 | 273932 | 49906 | 592 | 1480 | 84 | 0.88(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:26 | 49:26 | 3 | 0.950 | 1826628 | 352006 | 405 | 1012 | 869 | | |
| 475.7619 | 49:26 | 49:26 | 3 | 0.950 | 2331566 | 441936 | 472 | 1180 | 936 | 0.78(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:15 | 54:14 | 5 | 1.043 | 1375874 | 264345 | 405 | 1012 | 653 | | |
| 475.7619 | 54:15 | 54:14 | 5 | 1.043 | 1684552 | 321337 | 472 | 1180 | 681 | 0.82(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:27 | 49:26 | 4 | 1.001 | 356523 | 69282 | 144 | 360 | 481 | | |
| 463.7216 | 49:27 | 49:26 | 4 | 1.001 | 442240 | 86795 | 643 | 1607 | 135 | 0.81(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:24 | 50:23 | 4 | 1.020 | 183329 | 35723 | 144 | 360 | 248 | | |
| 463.7216 | 50:24 | 50:23 | 4 | 1.020 | 234587 | 46174 | 643 | 1607 | 72 | 0.78(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:16 | 54:16 | 4 | 1.000 | 3258809 | 379608 | 144 | 360 | 2636 | | M |
| | Empc Correction | | | | 1675978 | 244295 | 144 | 360 | 1696 | | |
| 463.7216 | 54:17 | 54:16 | 5 | 1.000 | 2176595 | 317267 | 643 | 1607 | 493 | 1.50(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:54 | 55:54 | 5 | 1.075 | 1229502 | 218284 | 127 | 317 | 1719 | | |
| 509.7229 | 55:54 | 55:54 | 5 | 1.075 | 1729469 | 311413 | 72 | 180 | 4325 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:56 | 55:55 | 5 | 1.000 | 460423 | 81483 | 28 | 70 | 2910 | | |
| 497.6826 | 55:56 | 55:55 | 5 | 1.000 | 671368 | 118995 | 30 | 75 | 3967 | 0.69(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

n - Failed Sig-To-Noise Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Eurofins TestAmerica, Knoxville

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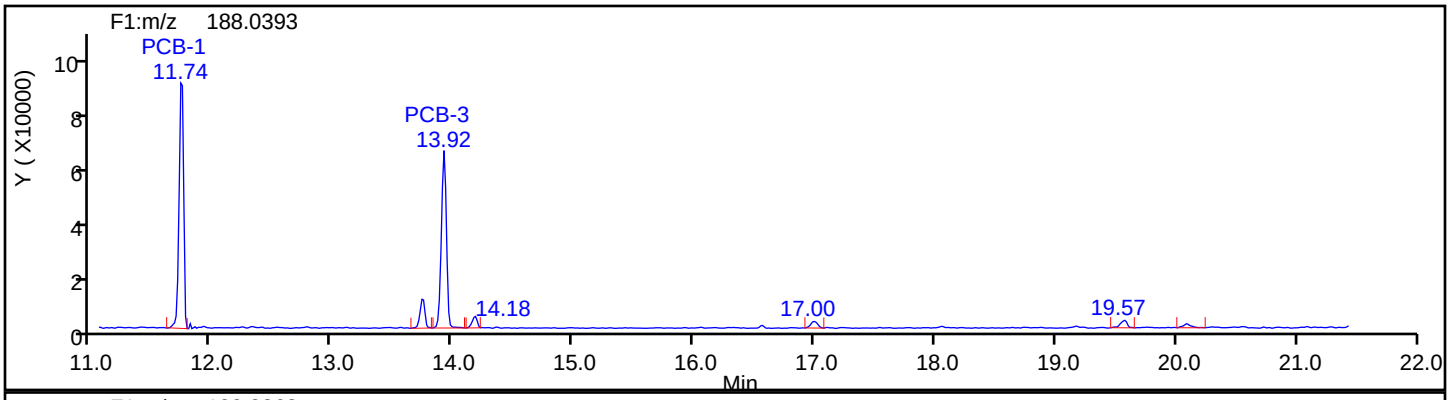
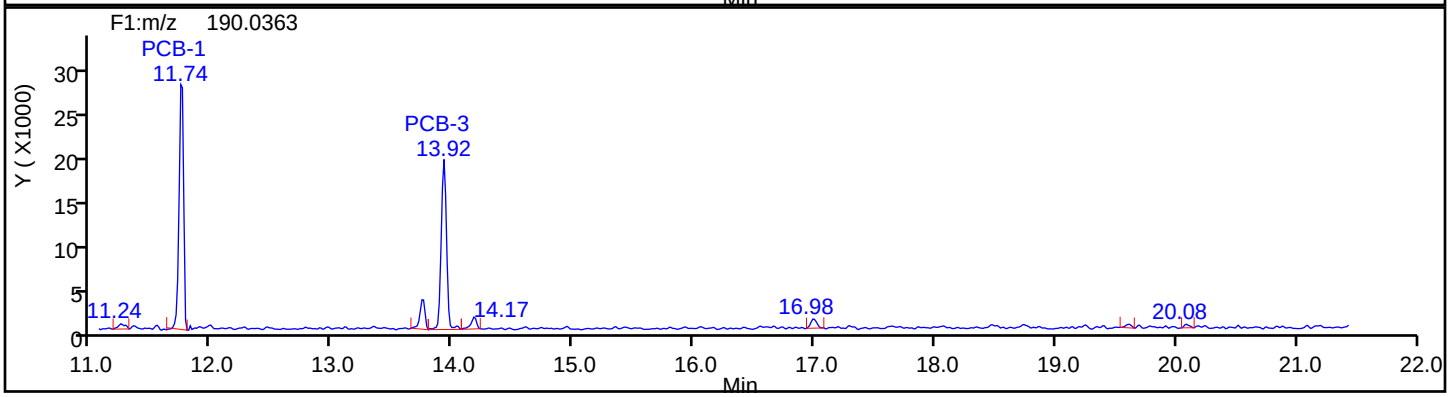
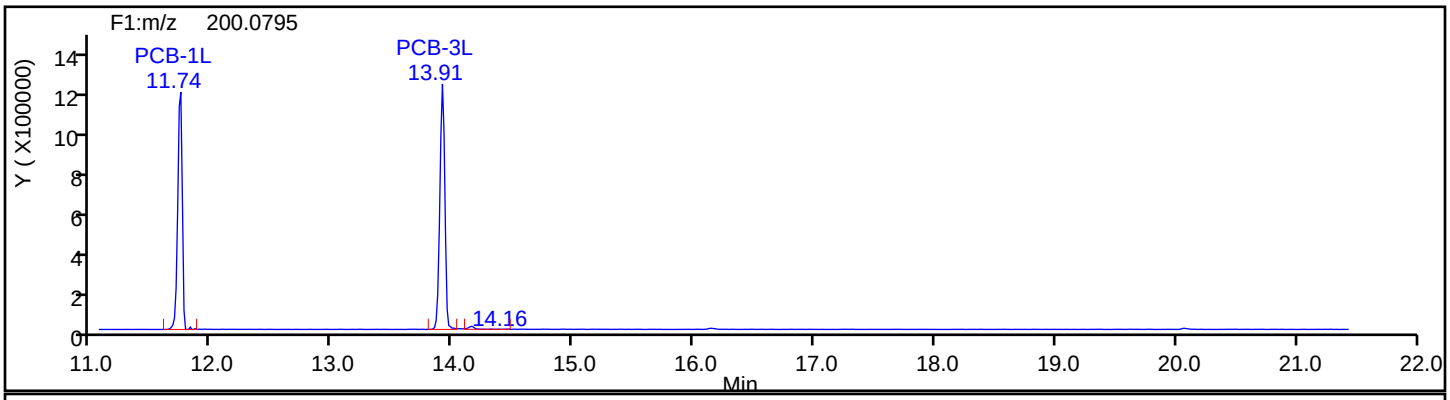
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

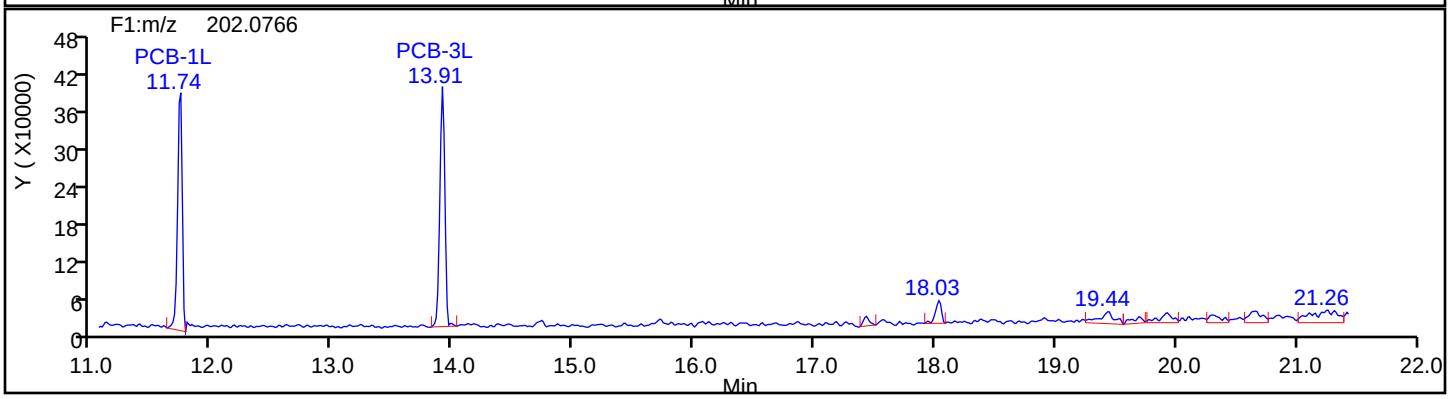
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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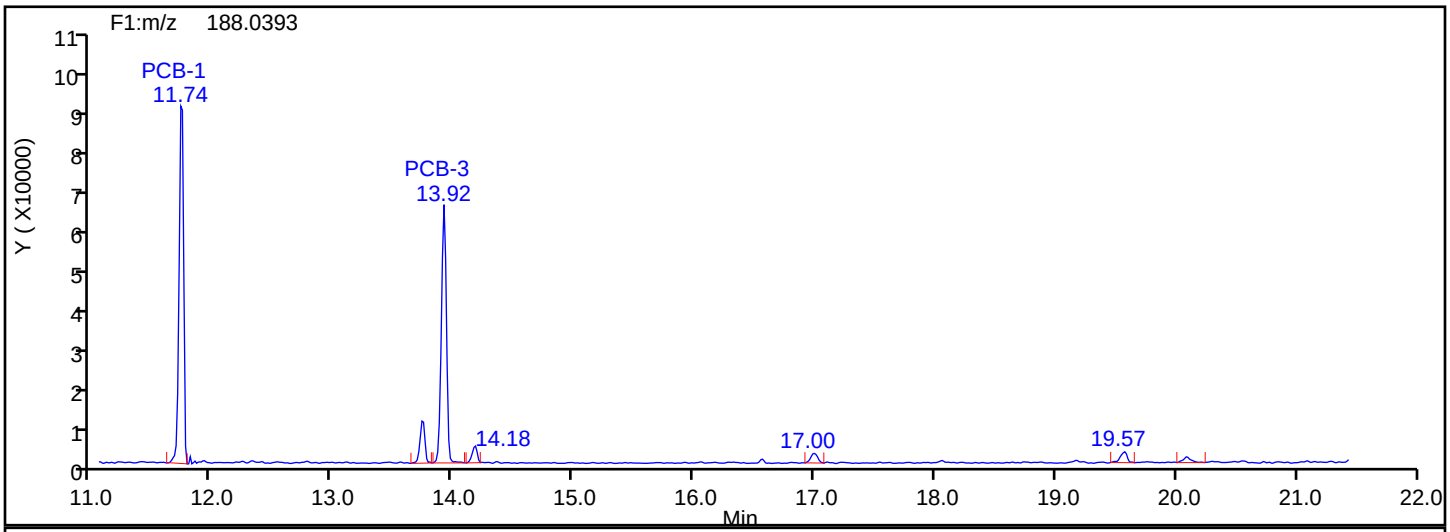
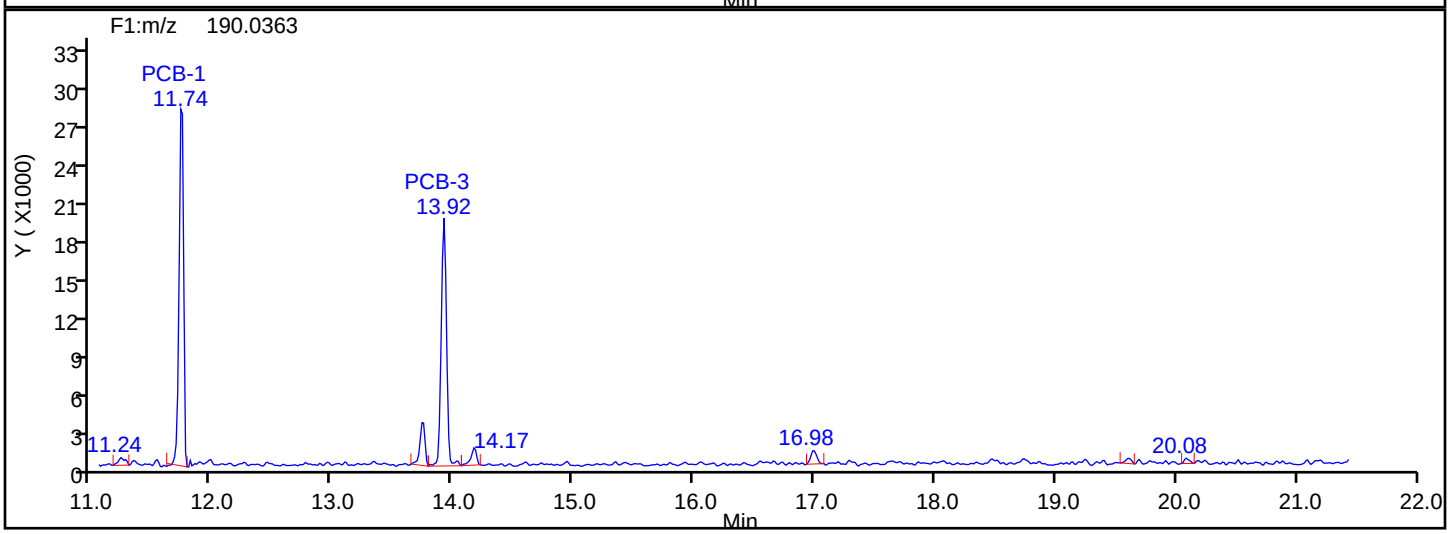
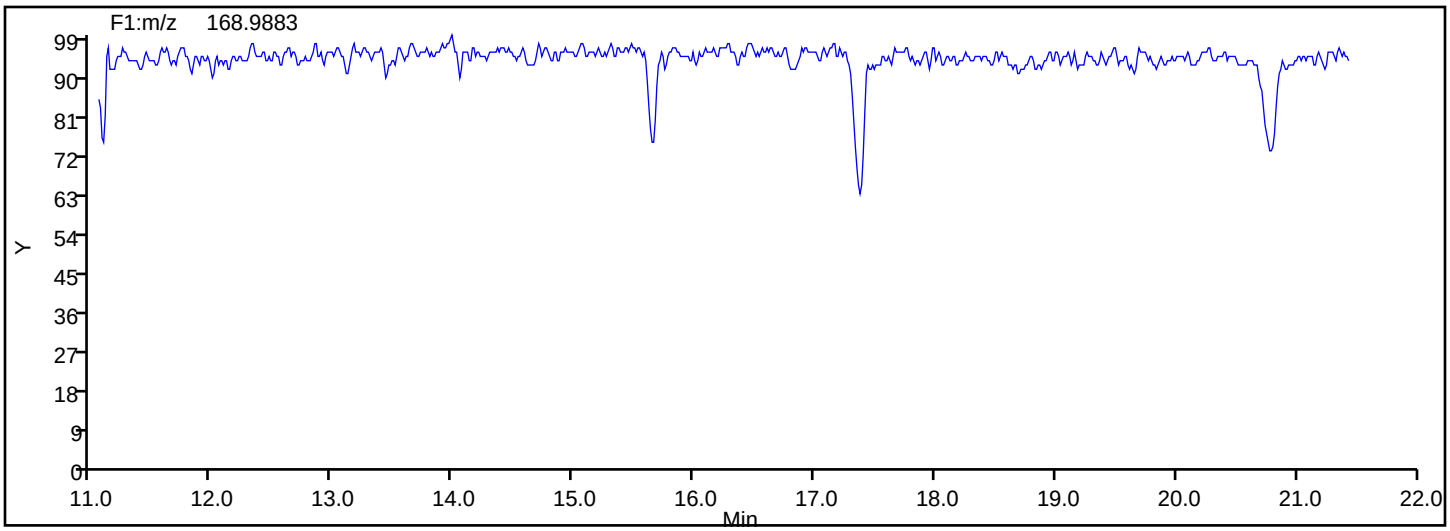
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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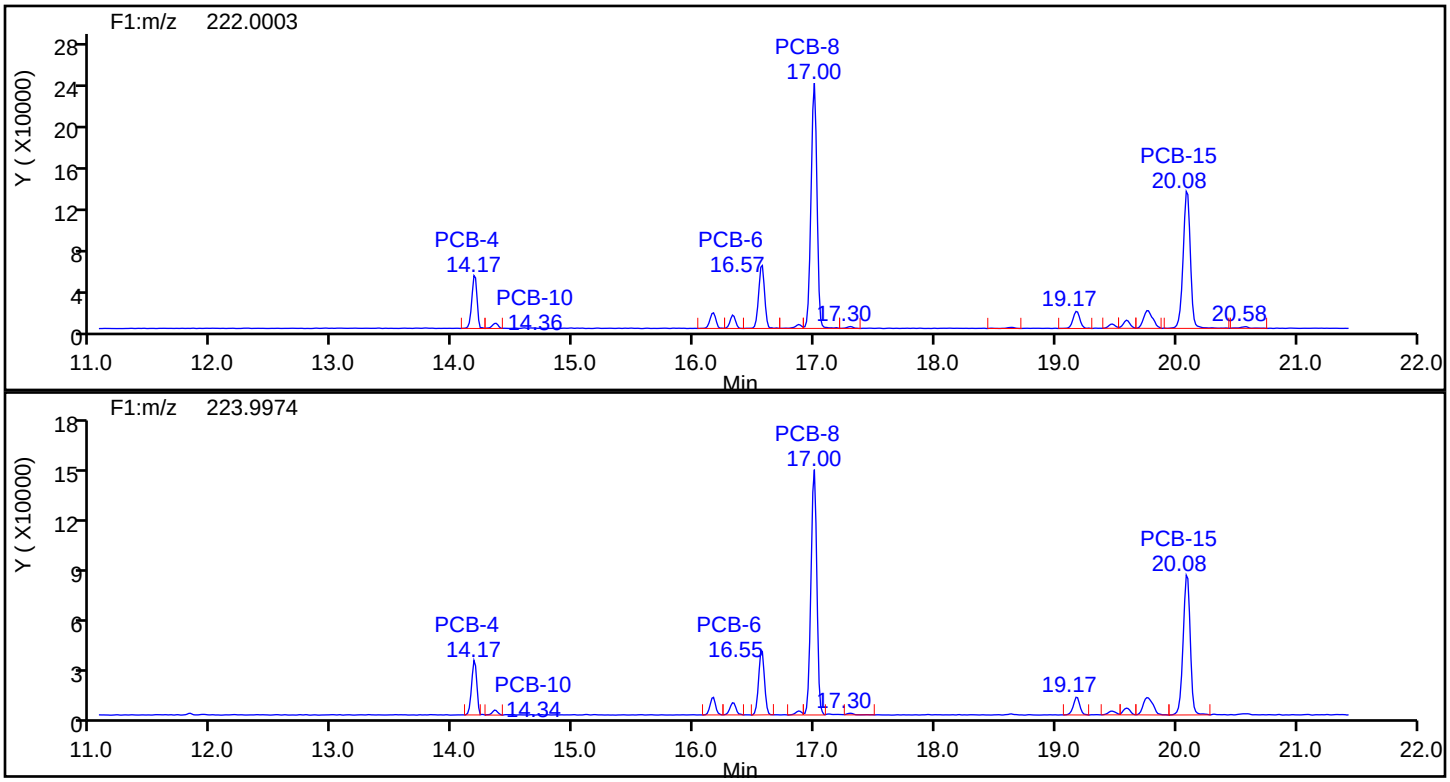
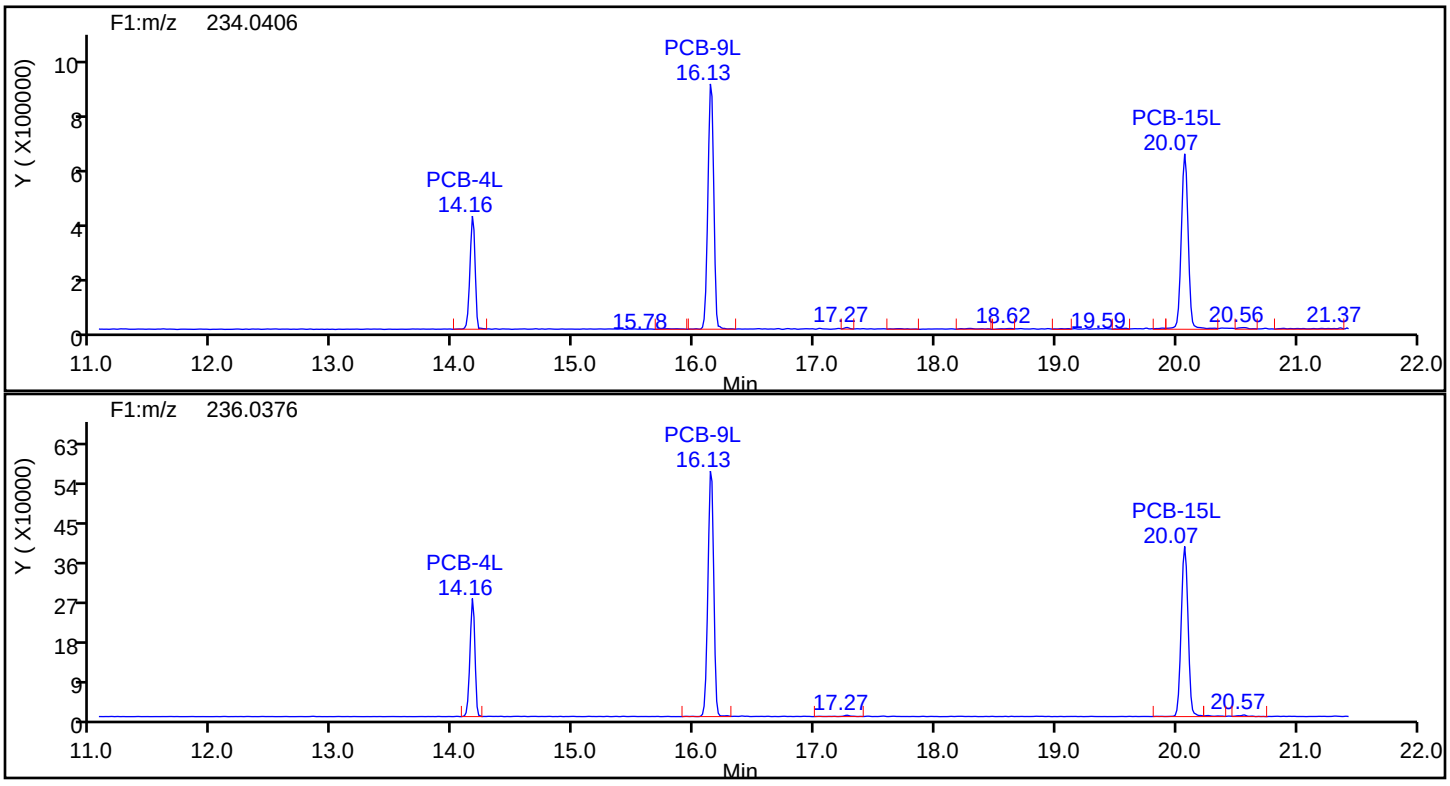
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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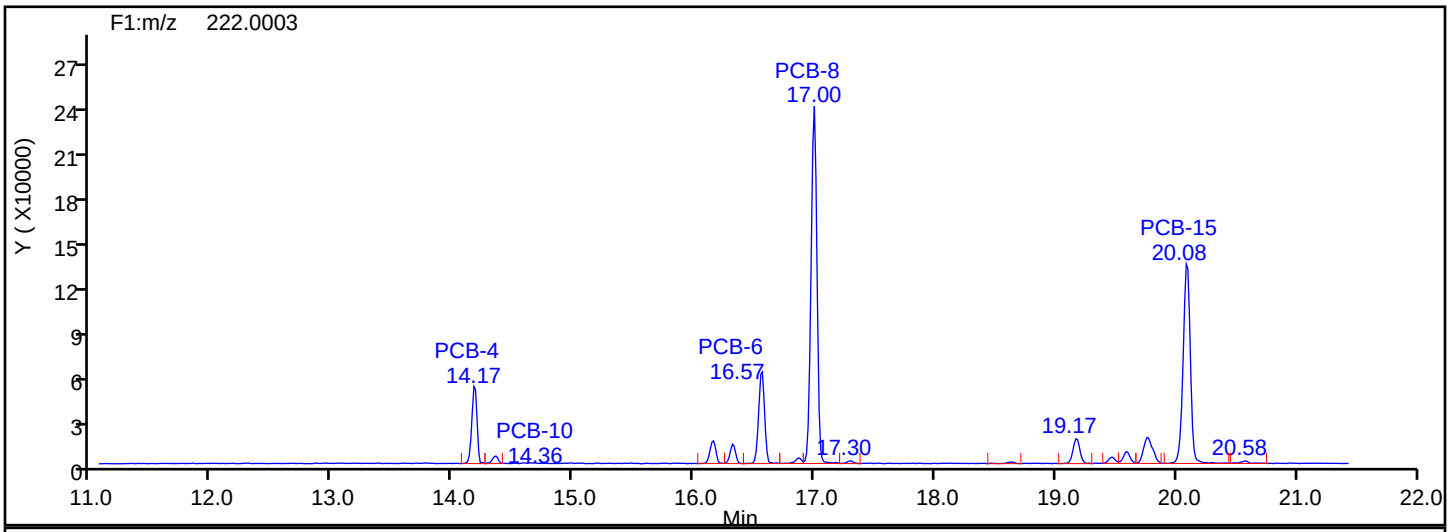
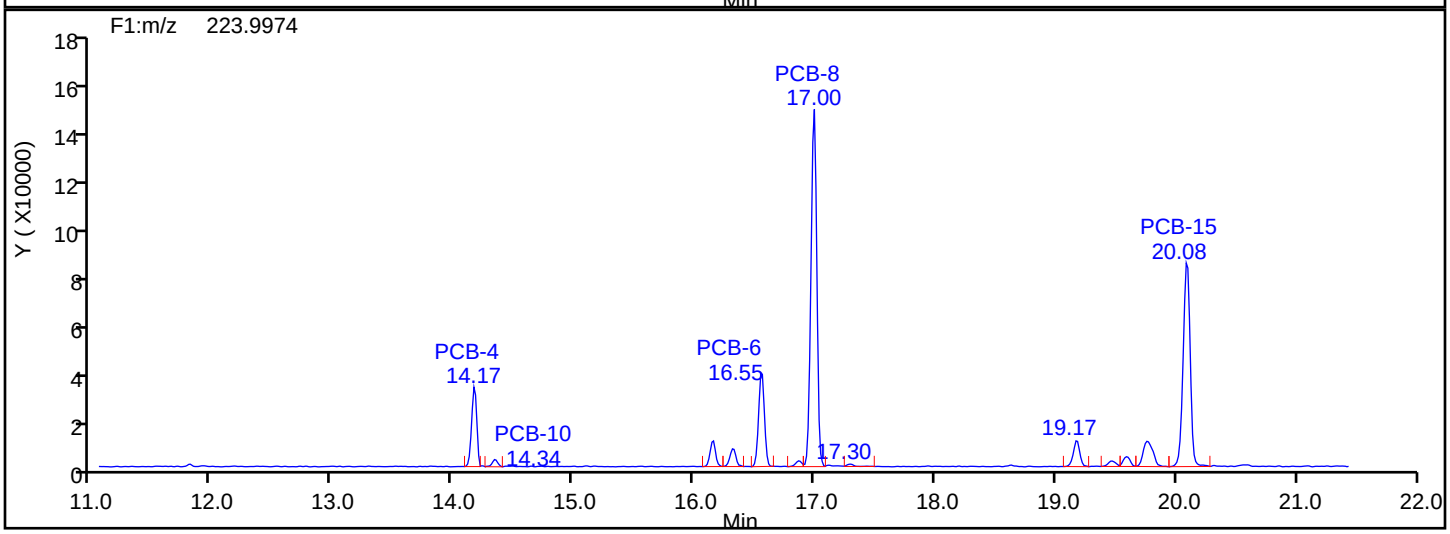
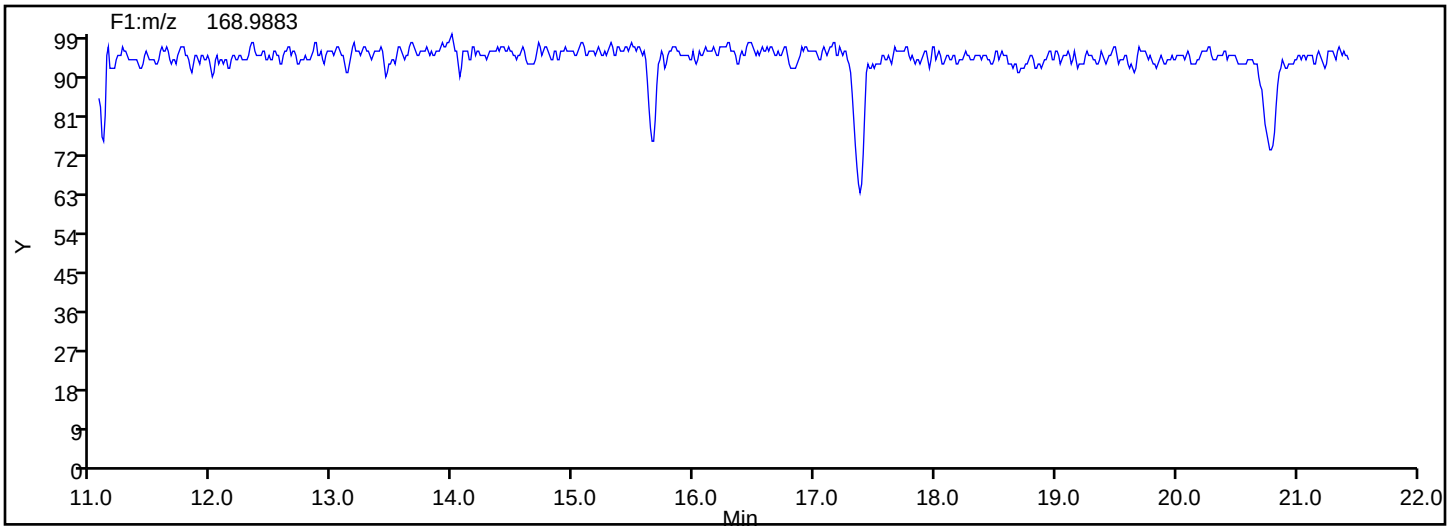
DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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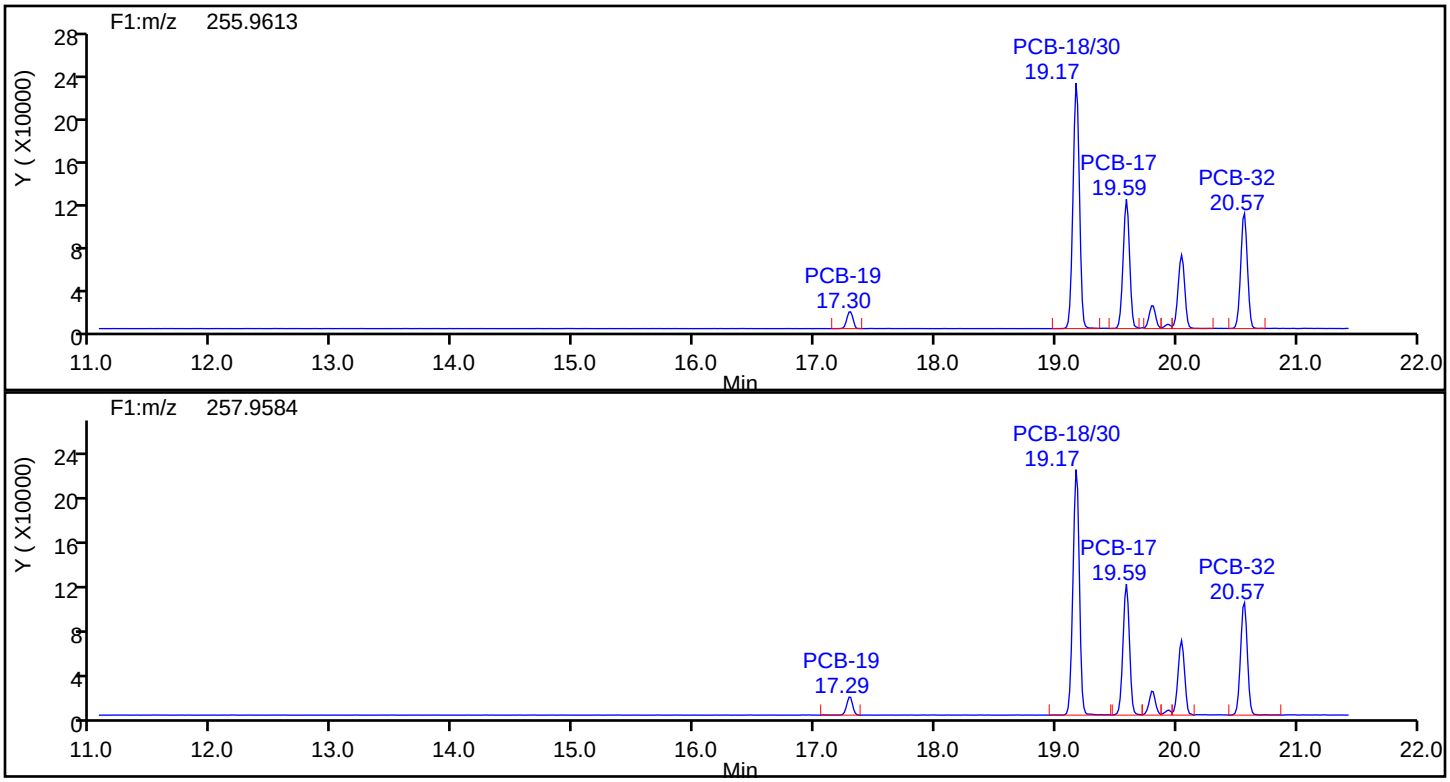
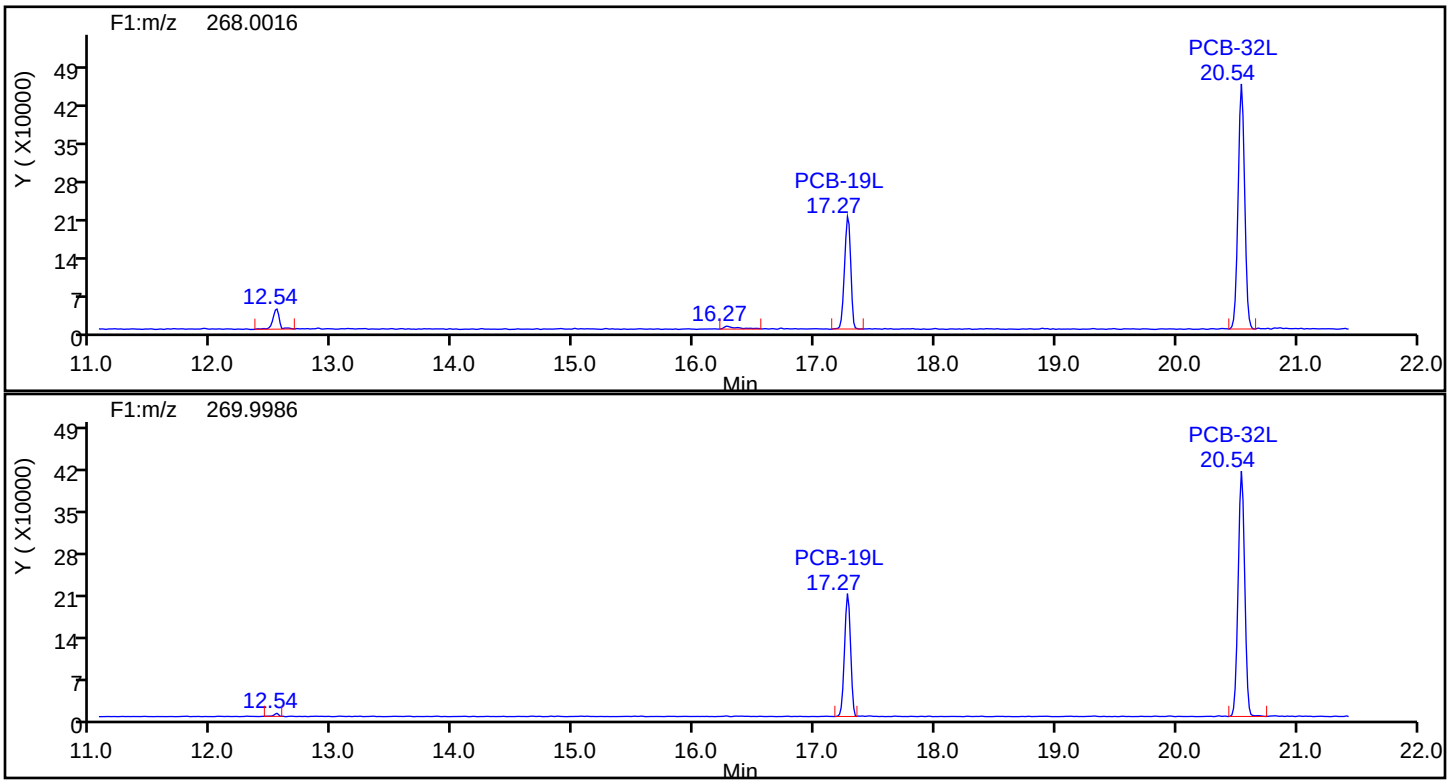
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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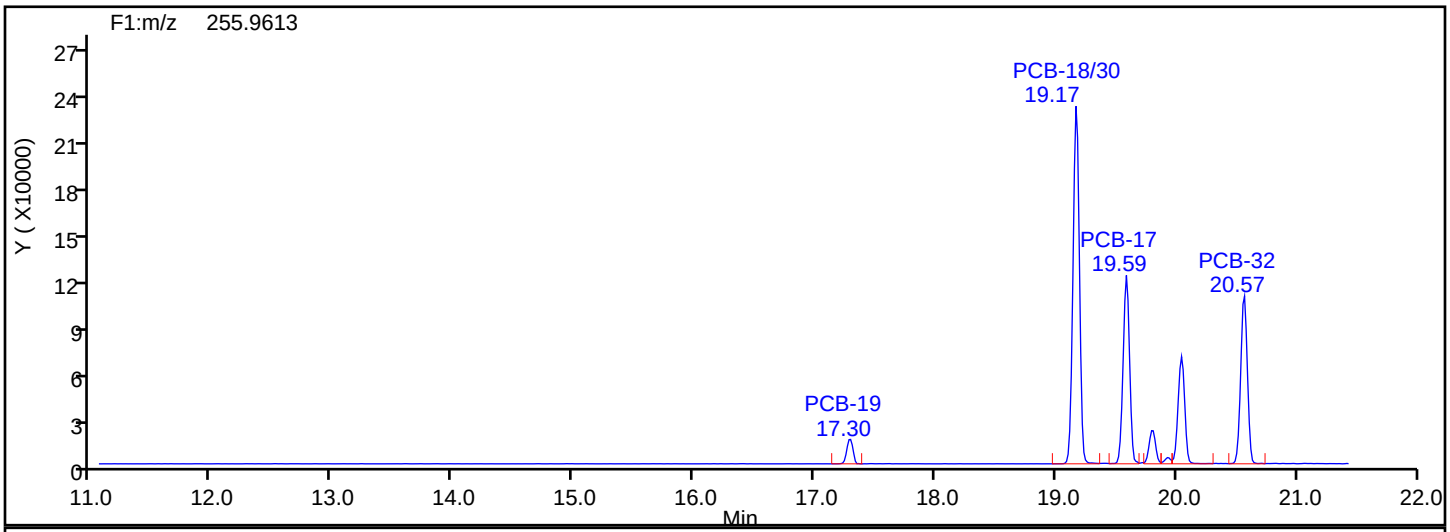
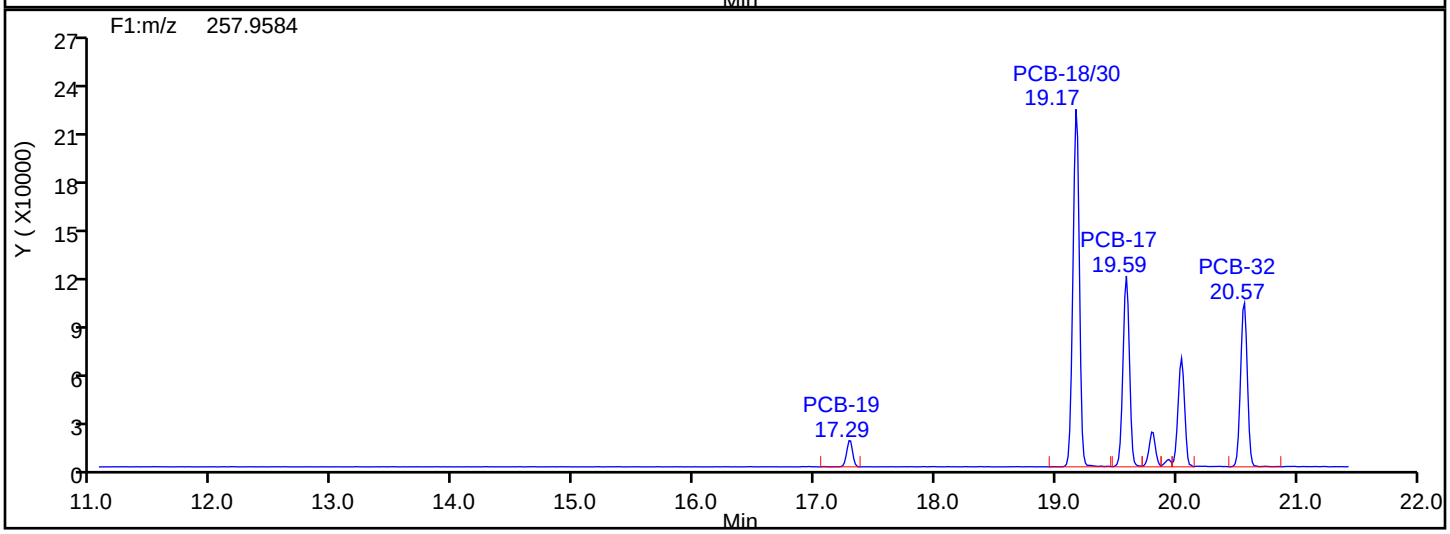
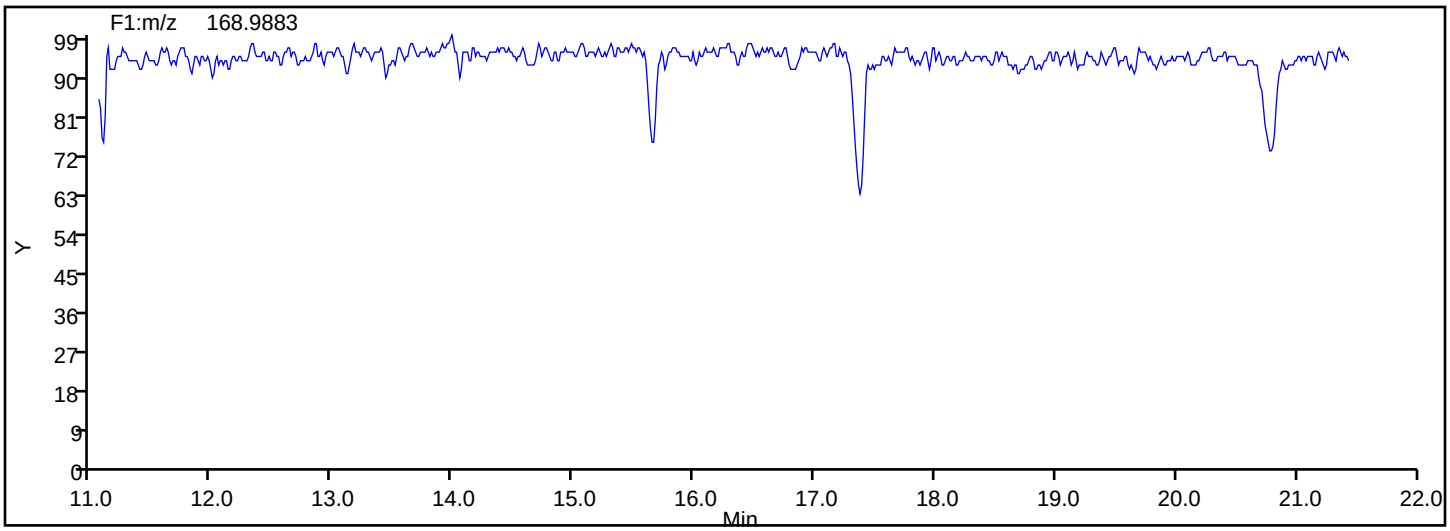
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



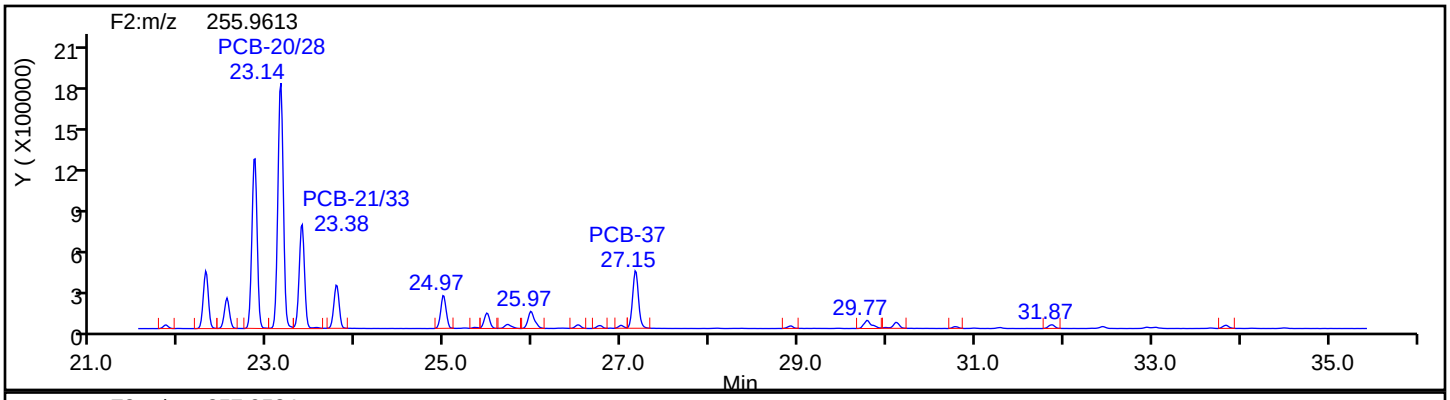

TriPCB F1 Lock Mass

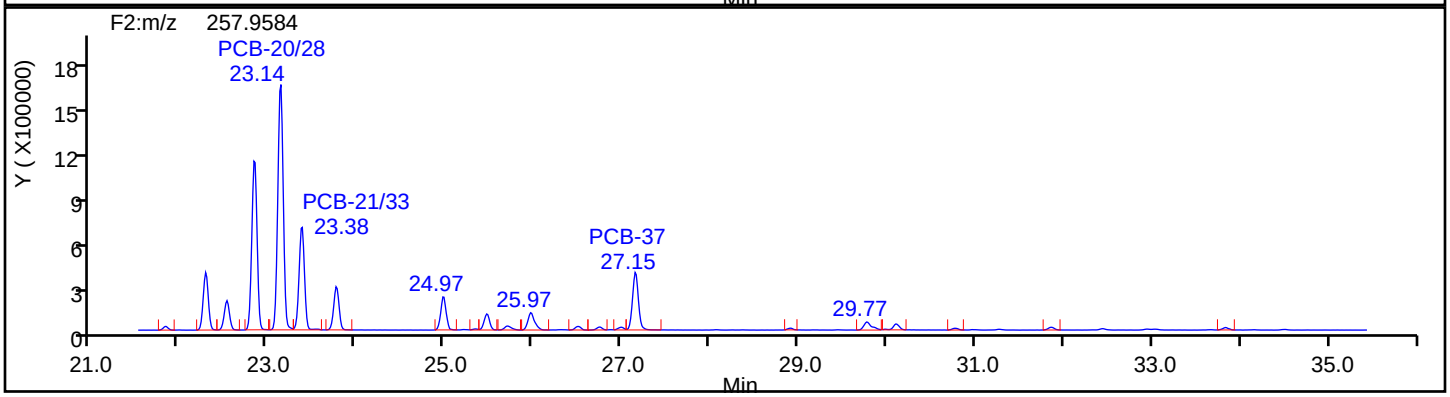


Eurofins TestAmerica, Knoxville

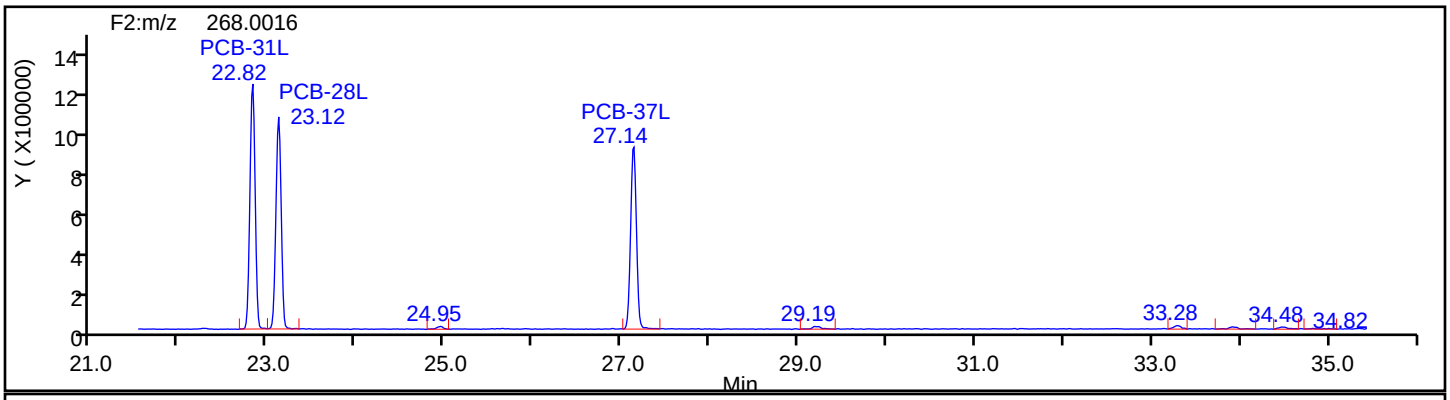
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

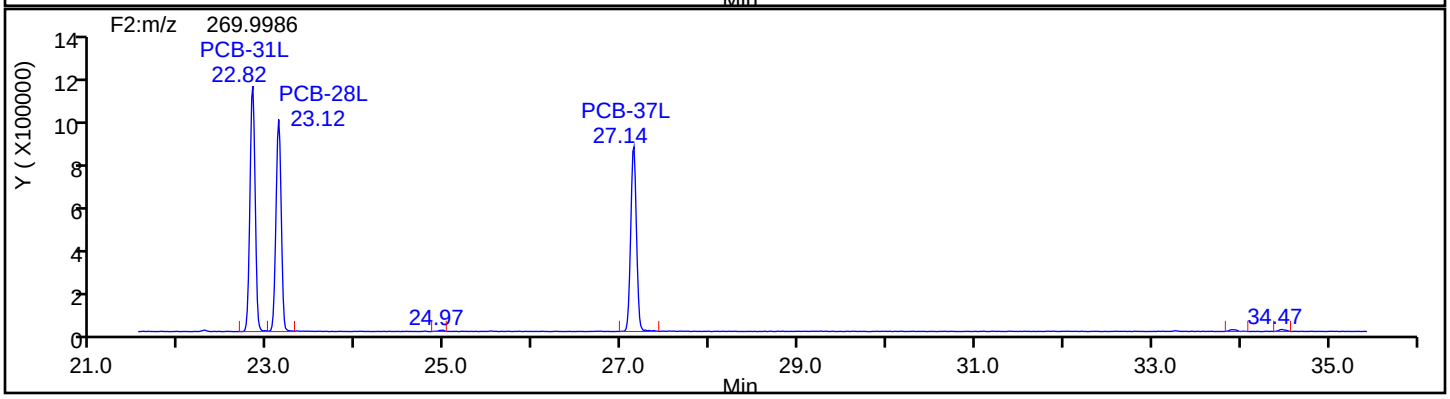
TriPCB F2




TriPCB F2 Standards

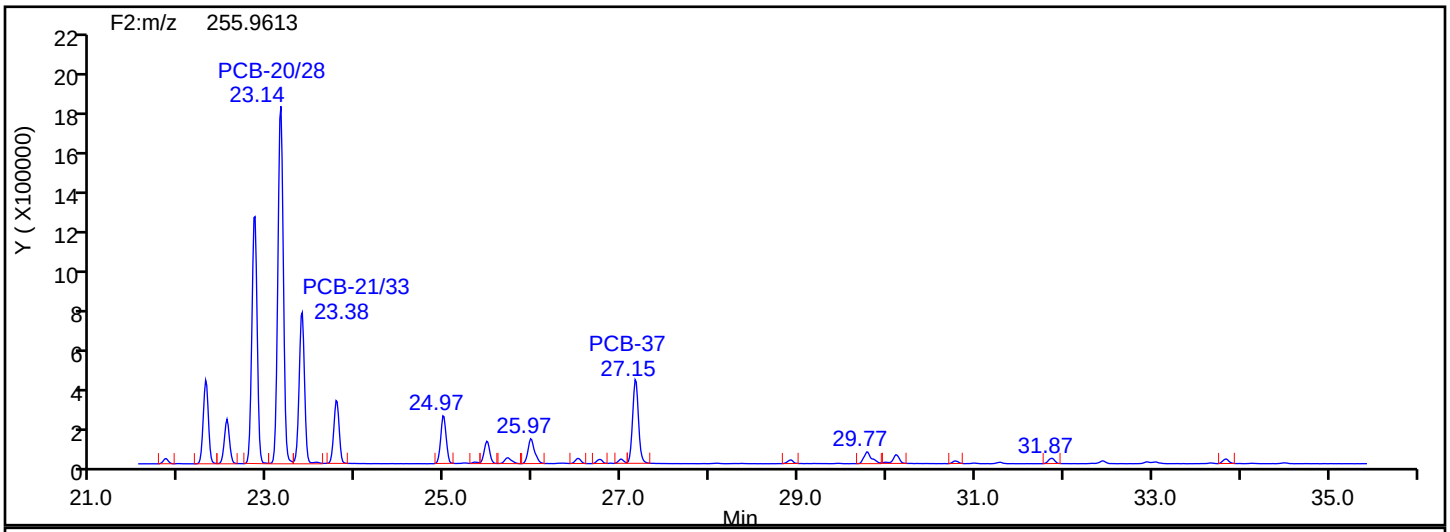


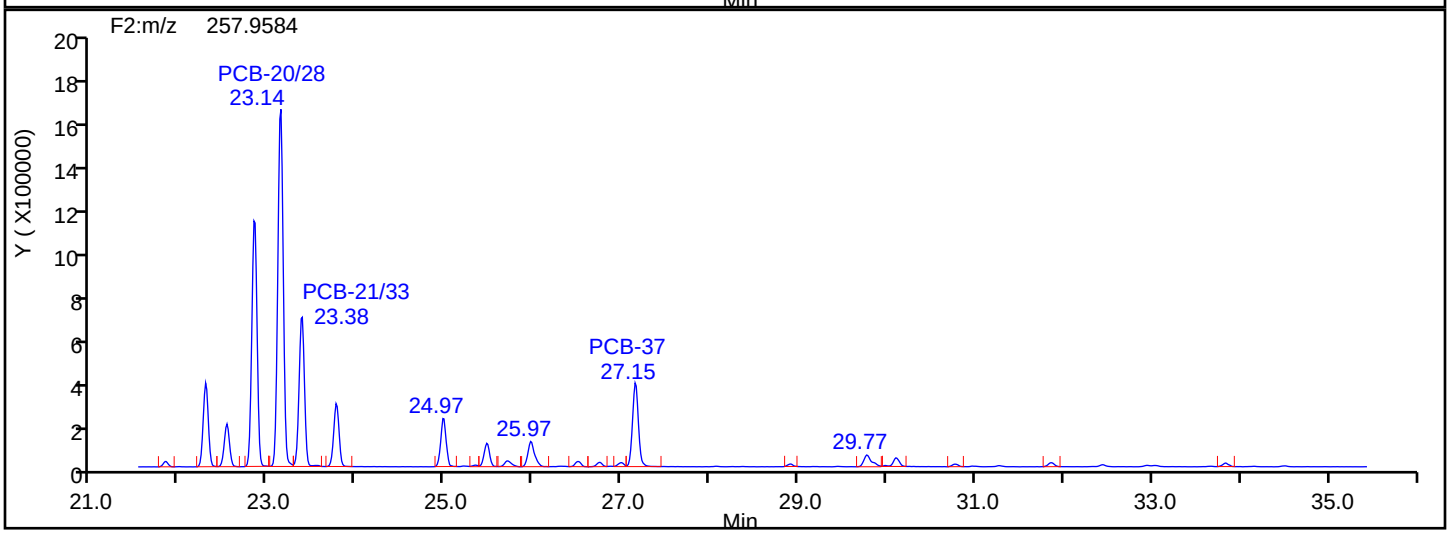



Eurofins TestAmerica, Knoxville

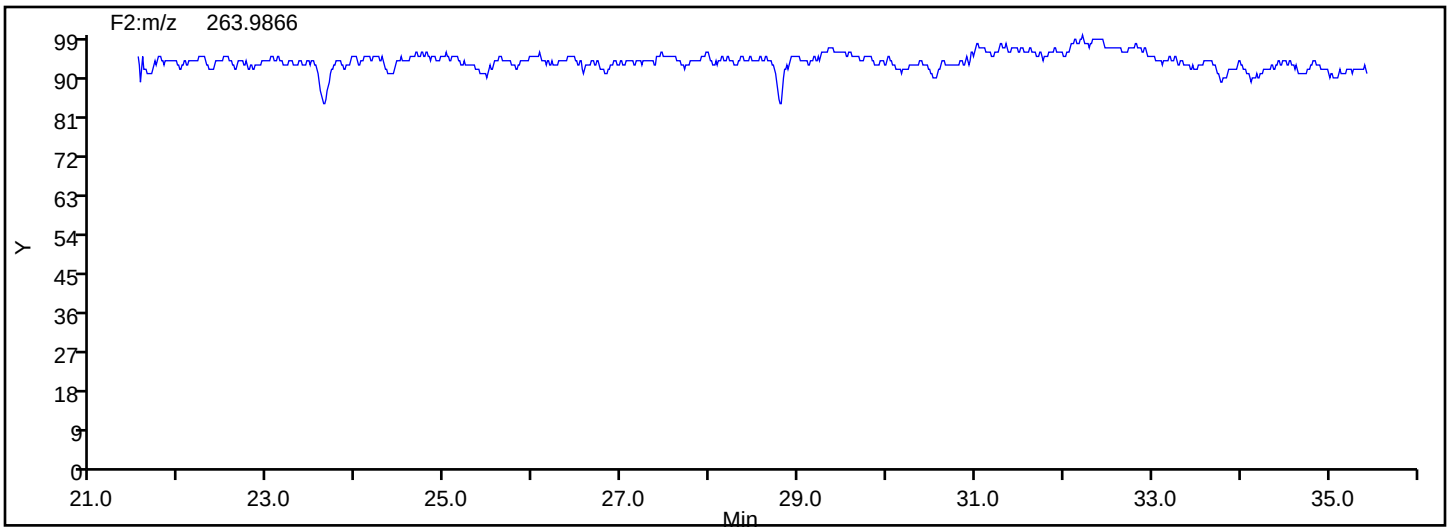
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

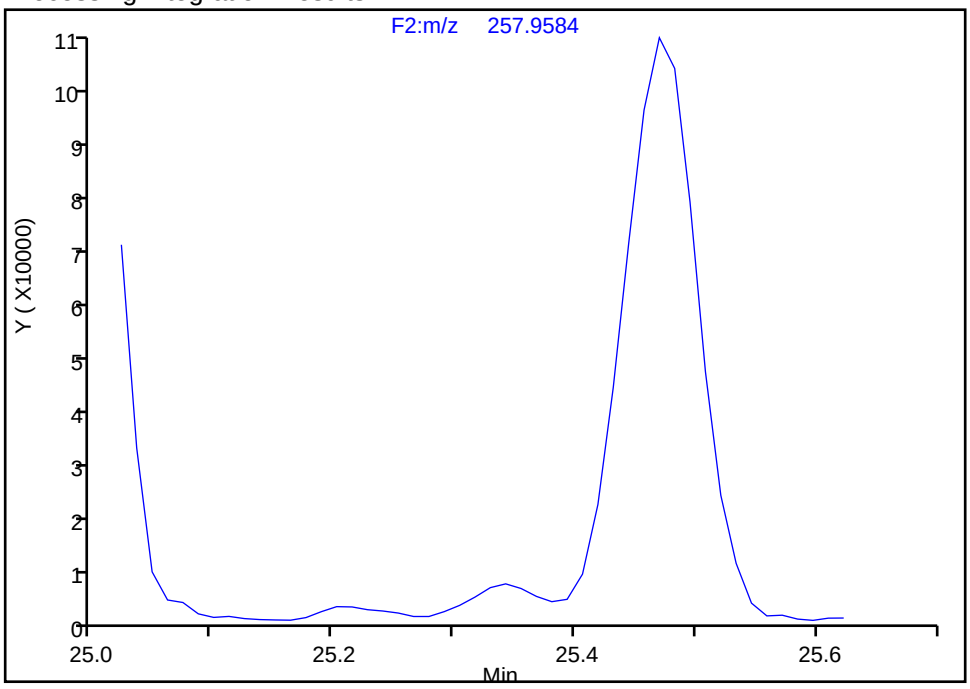
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

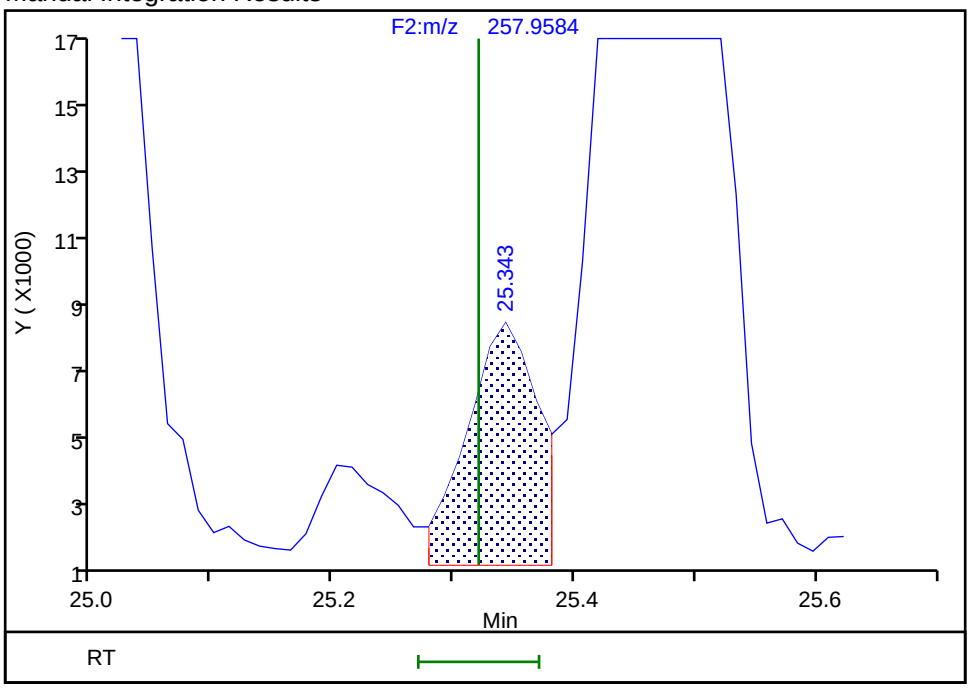
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.34
Area: 28124
Amount: 0.568998
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:07:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

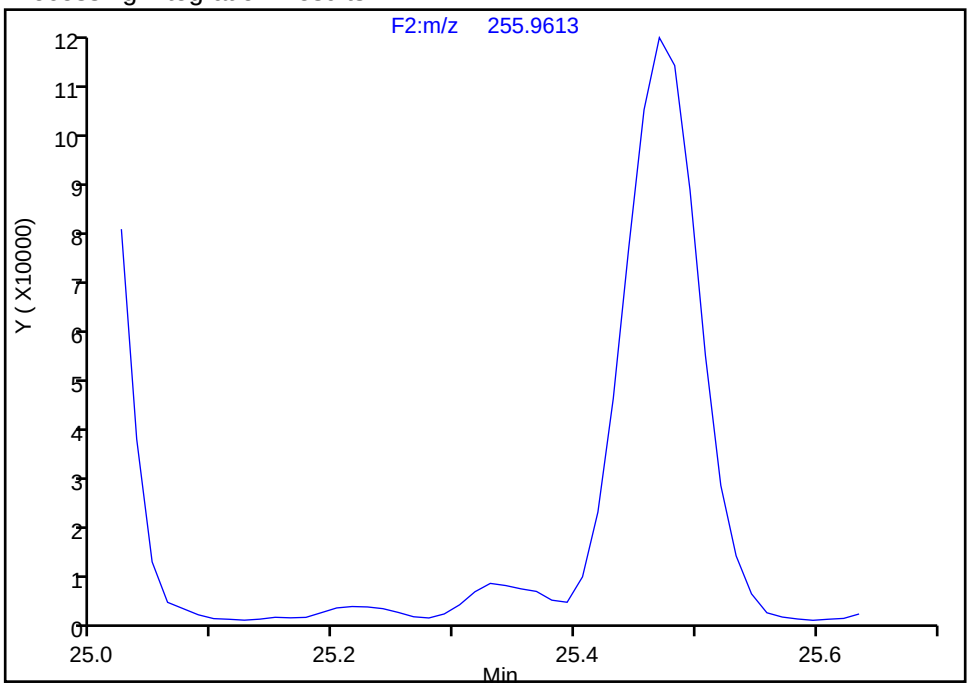
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

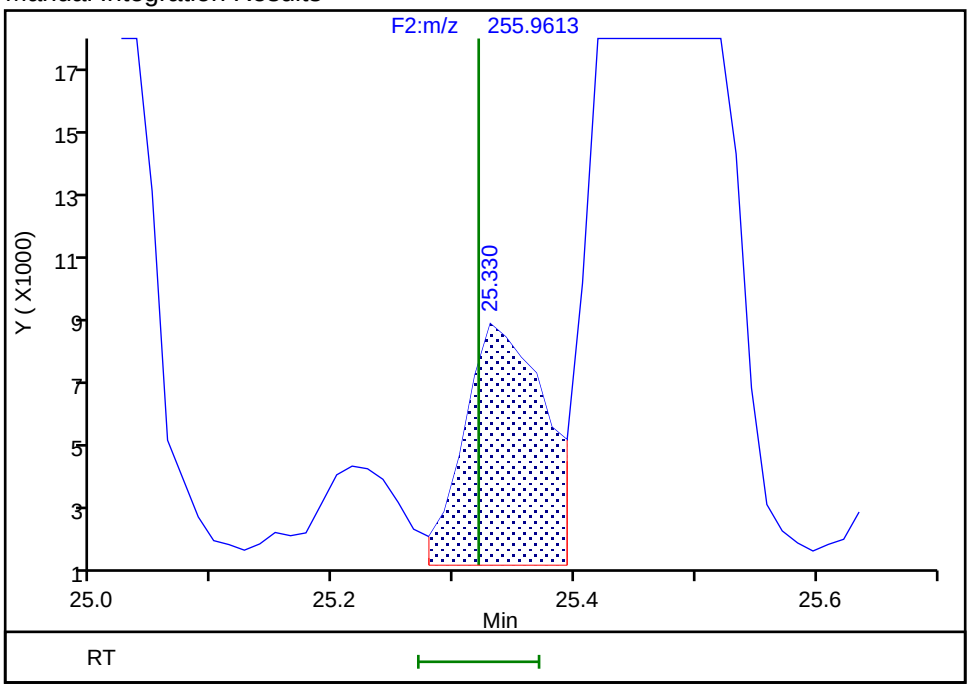
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.33
Area: 33338
Amount: 0.568998
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:07:55
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

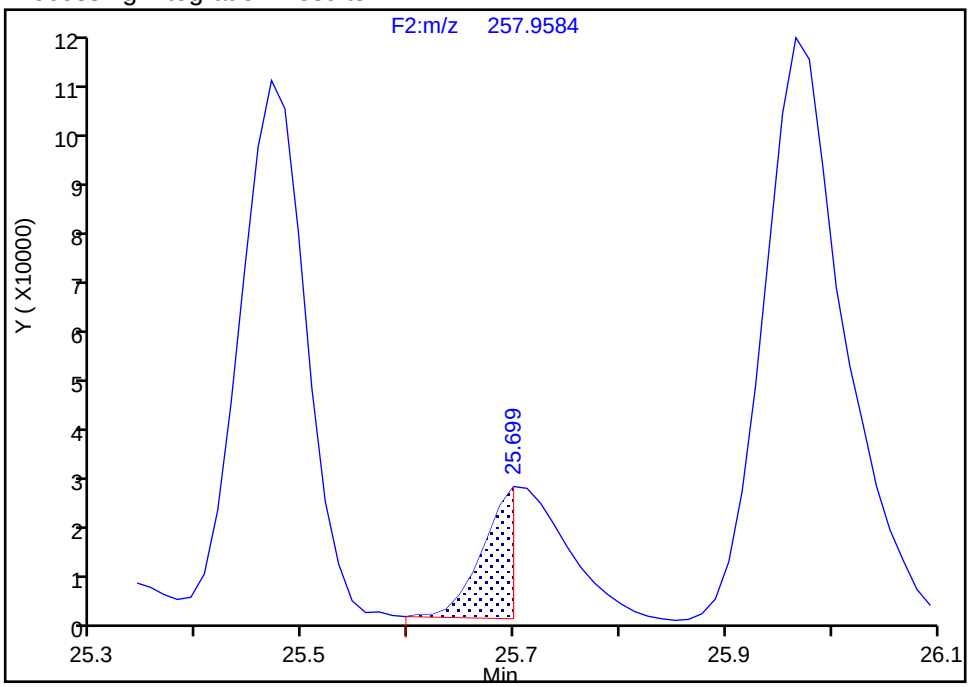
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 2

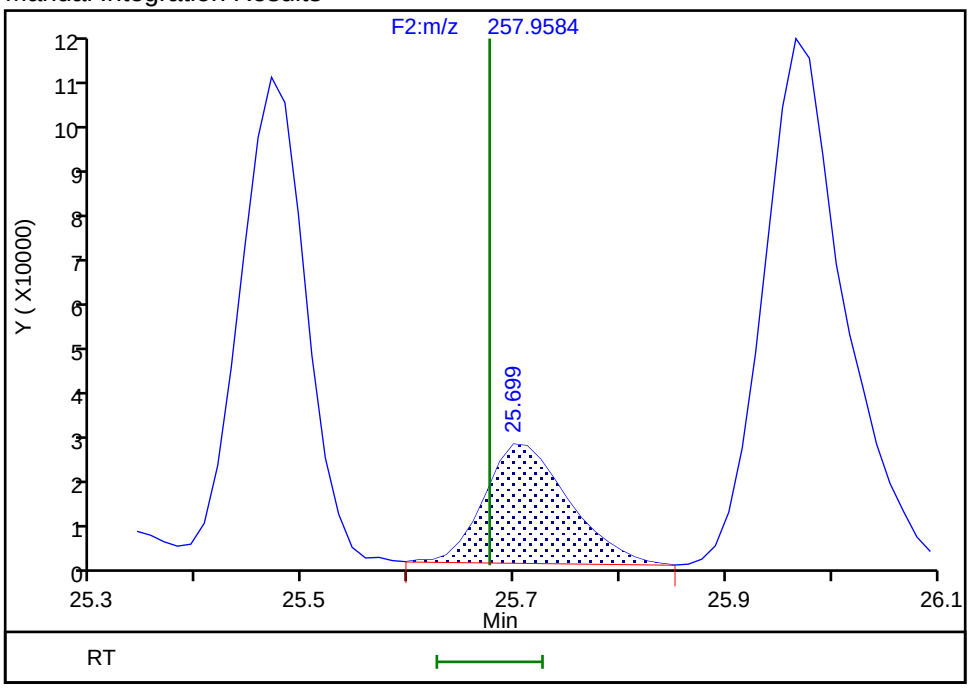
Processing Integration Results

RT: 25.70
Area: 51536
Amount: 1.060978
Amount Units: pg/ul




Manual Integration Results

RT: 25.70
Area: 146086
Amount: 2.679170
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:08:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

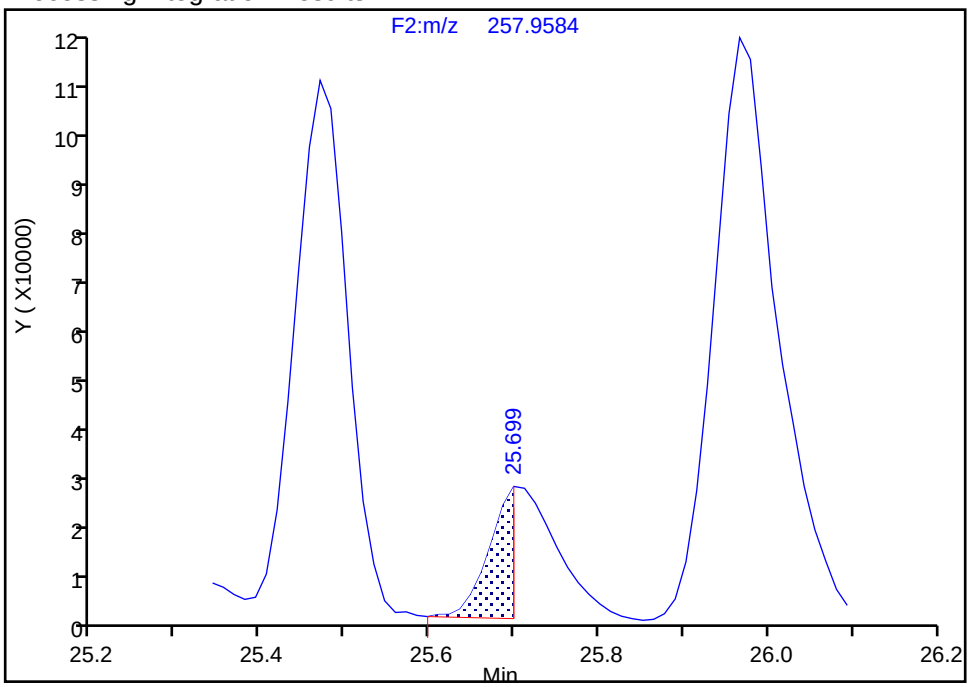
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 3

Processing Integration Results

RT: 25.71
Area: 118875
Amount: 1.060978
Amount Units: pg/ul




Manual Integration Results

RT: 25.71
Area: 300182
Amount: 2.679170
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:08:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

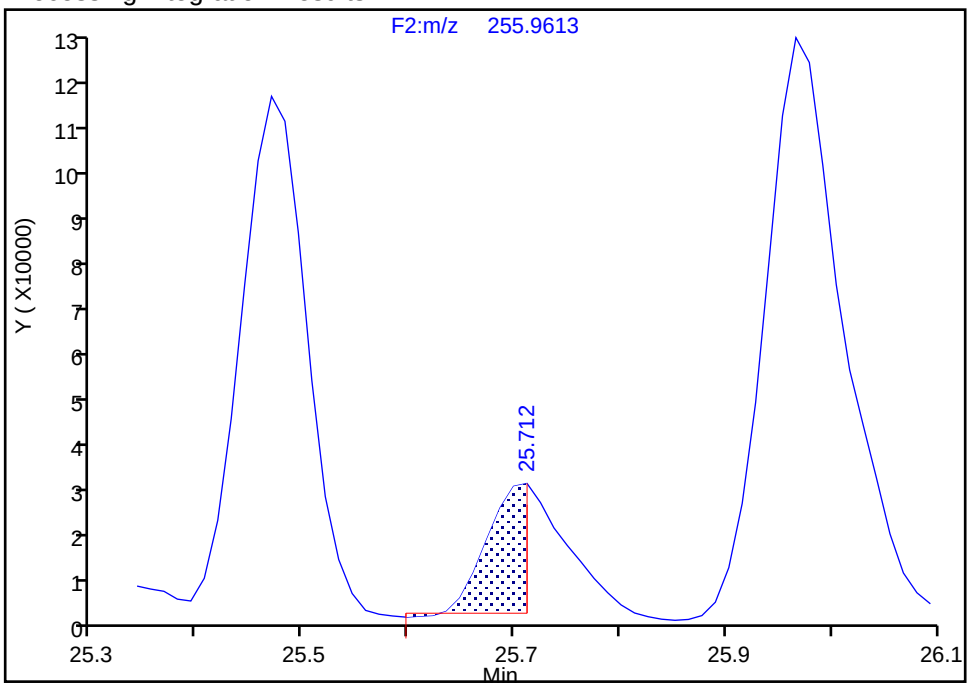
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

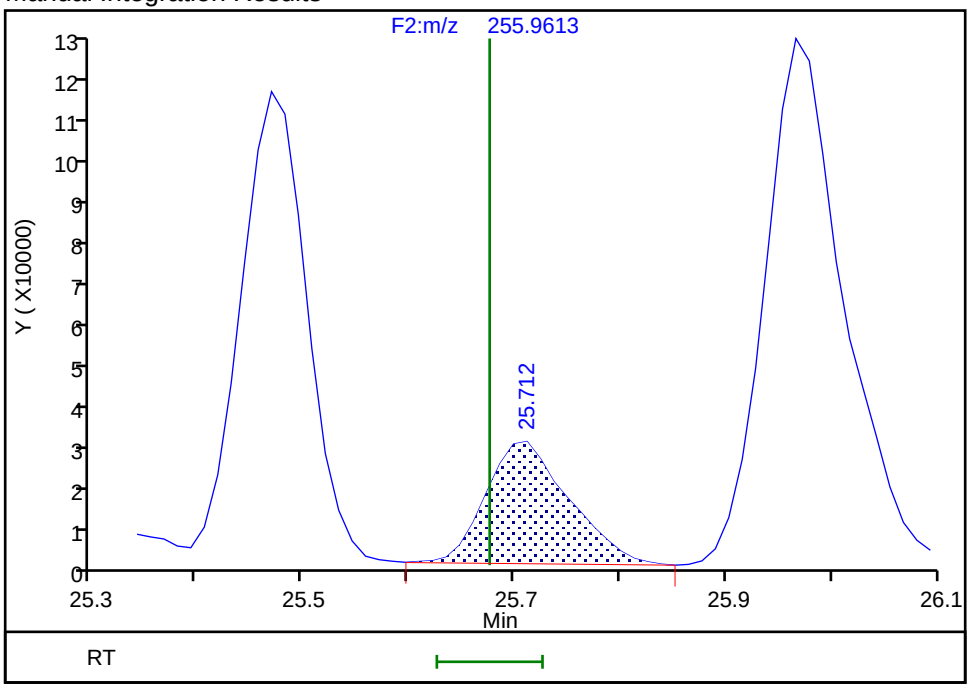
Processing Integration Results

RT: 25.71
Area: 67339
Amount: 1.060978
Amount Units: pg/ul




Manual Integration Results

RT: 25.71
Area: 154096
Amount: 2.679170
Amount Units: pg/ul

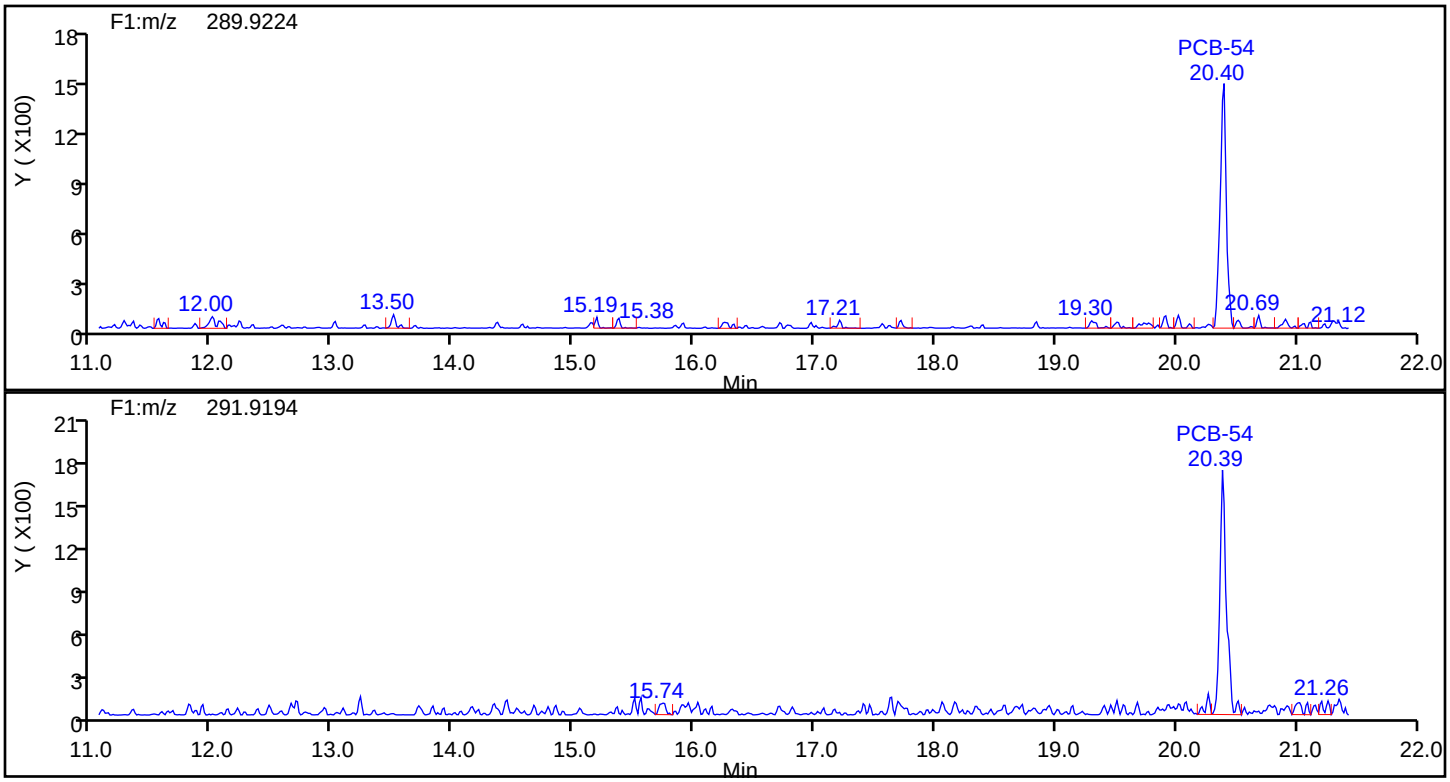



Reviewer: mcwhirterl, 09-Oct-2019 21:08:15
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

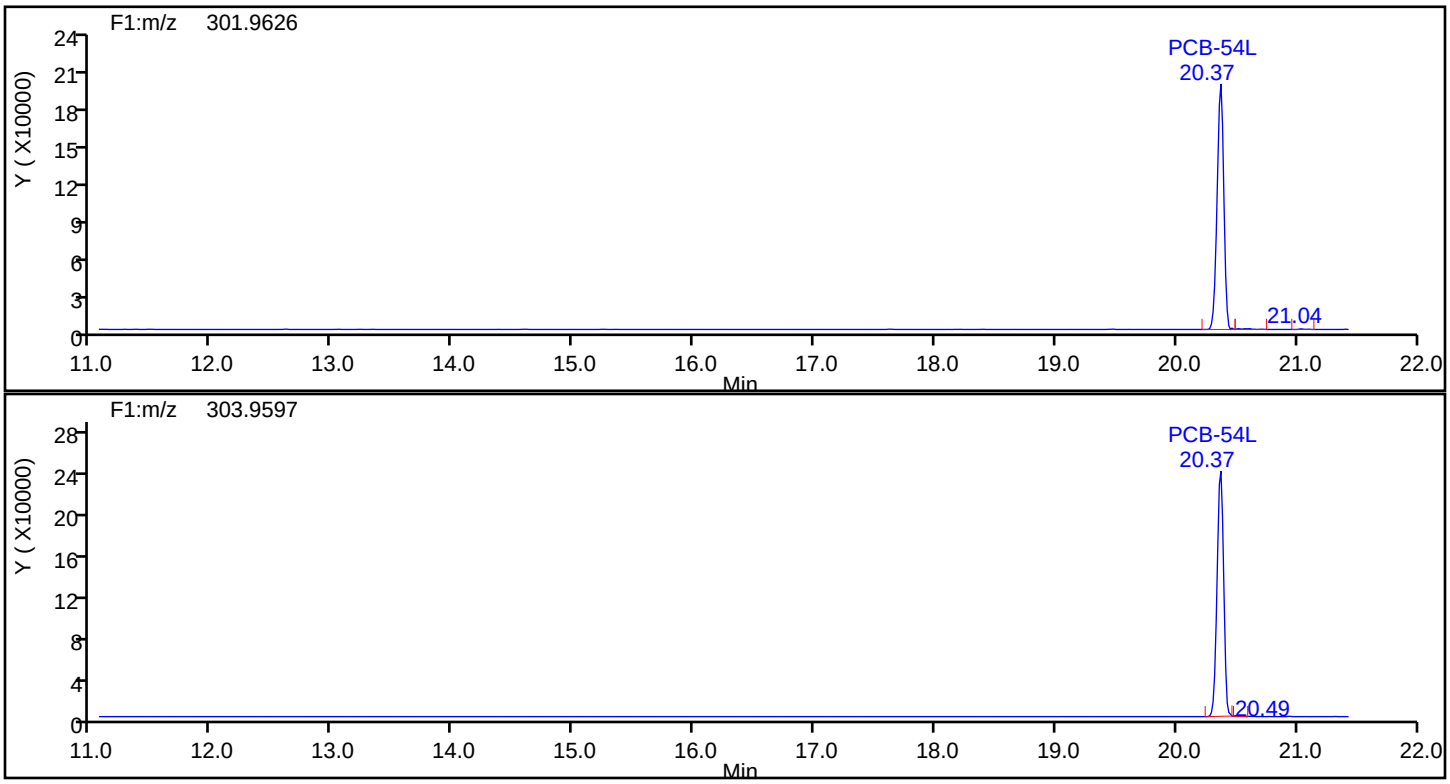
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



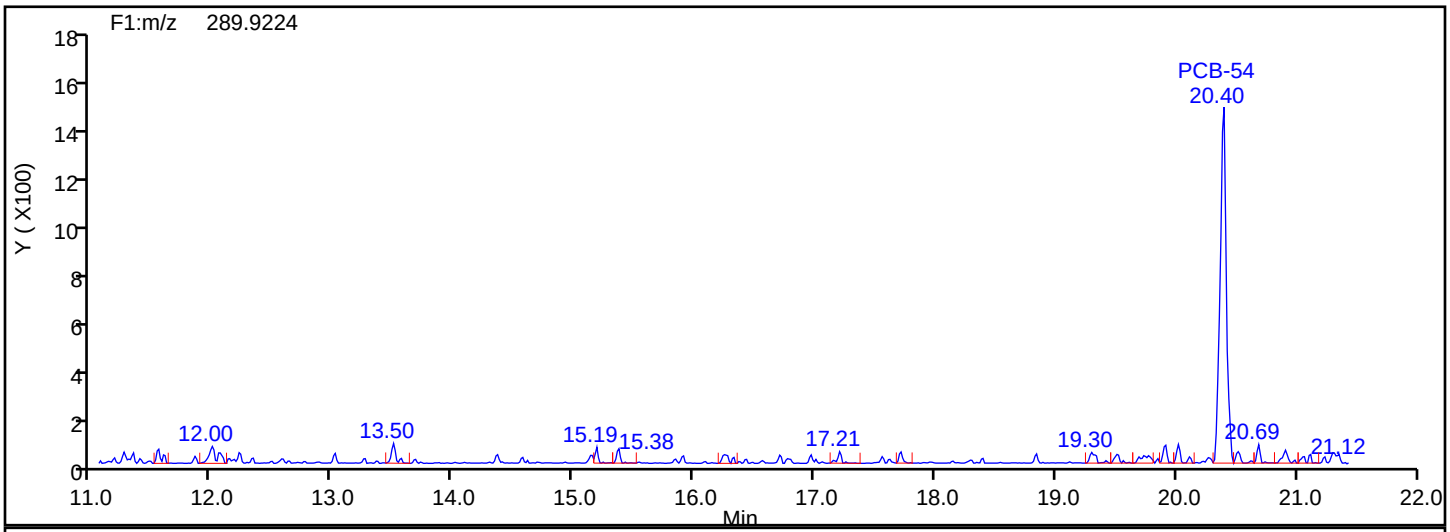

TePCB F1 Standards

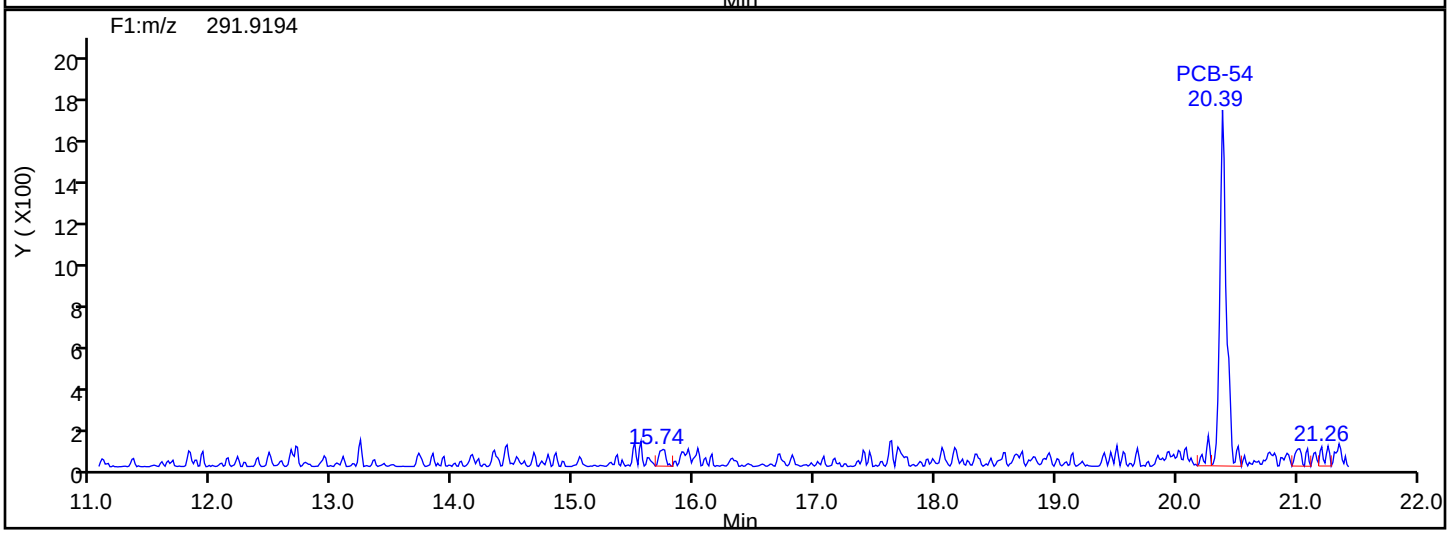


Eurofins TestAmerica, Knoxville

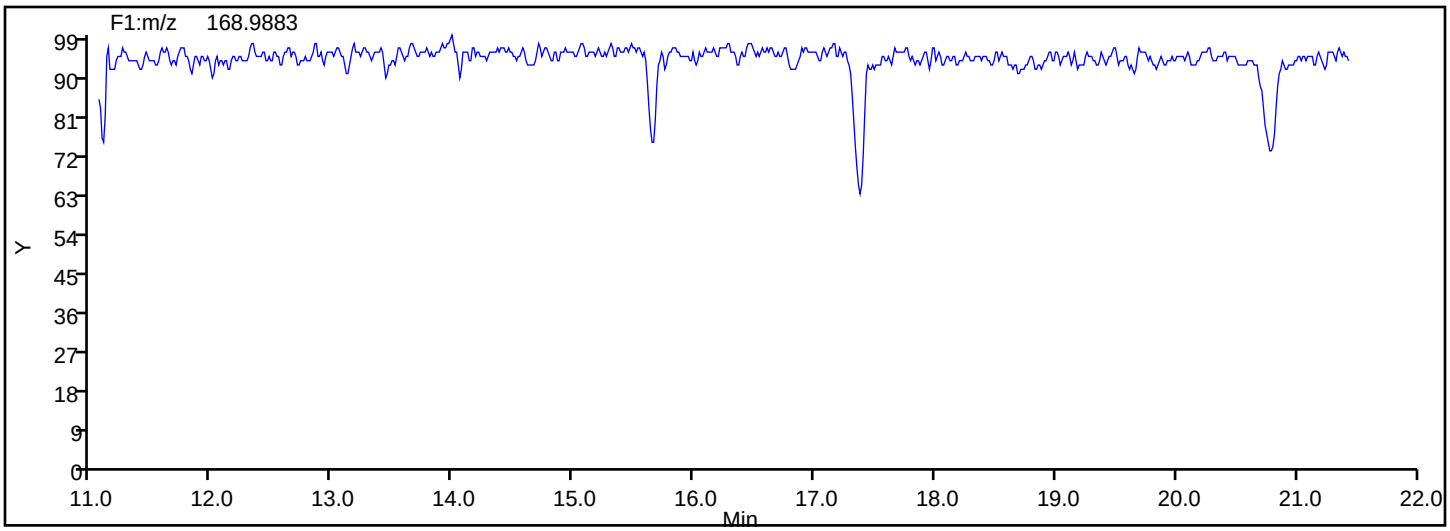
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



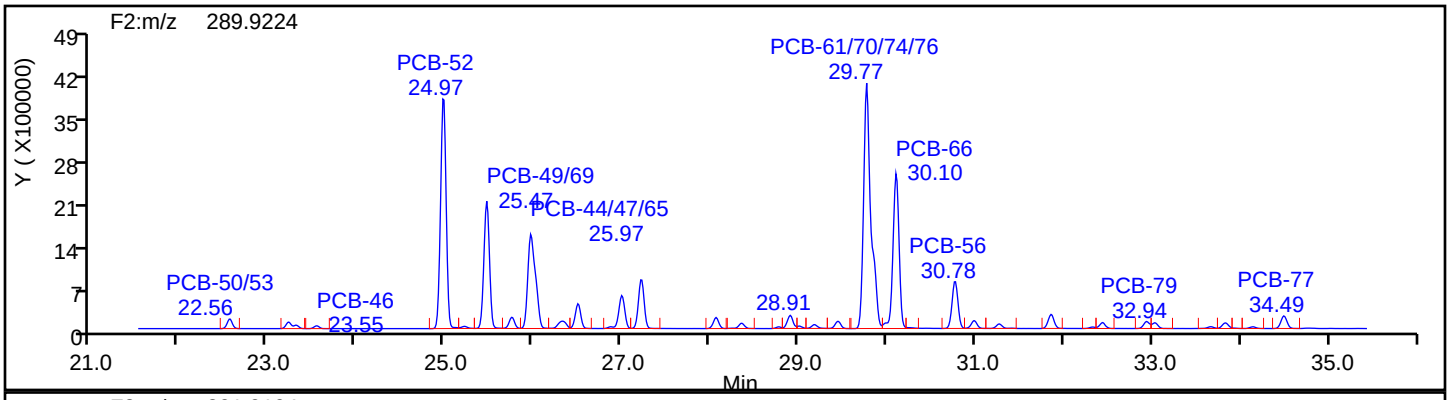

TePCB F1 Lock Mass

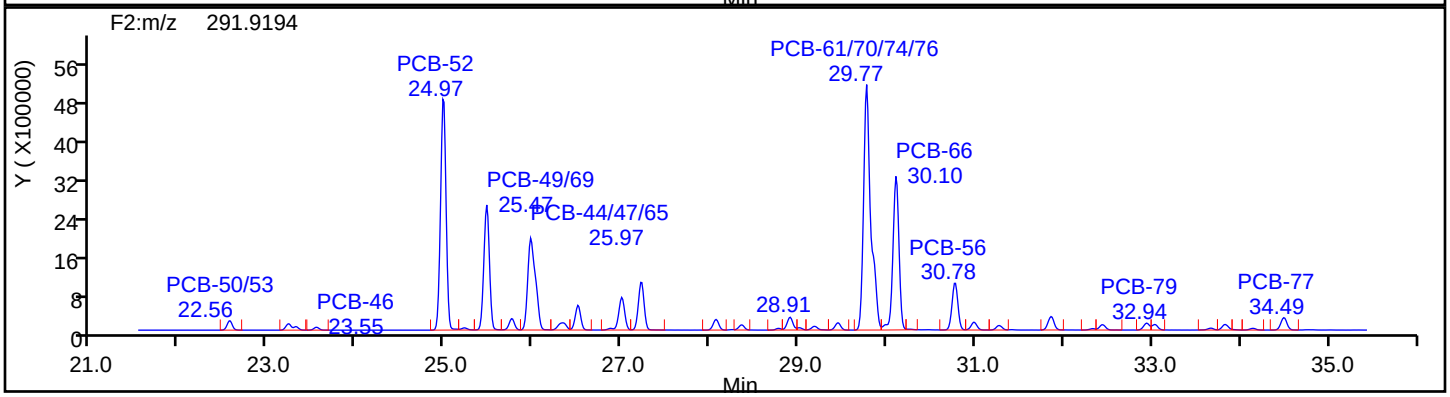


Eurofins TestAmerica, Knoxville

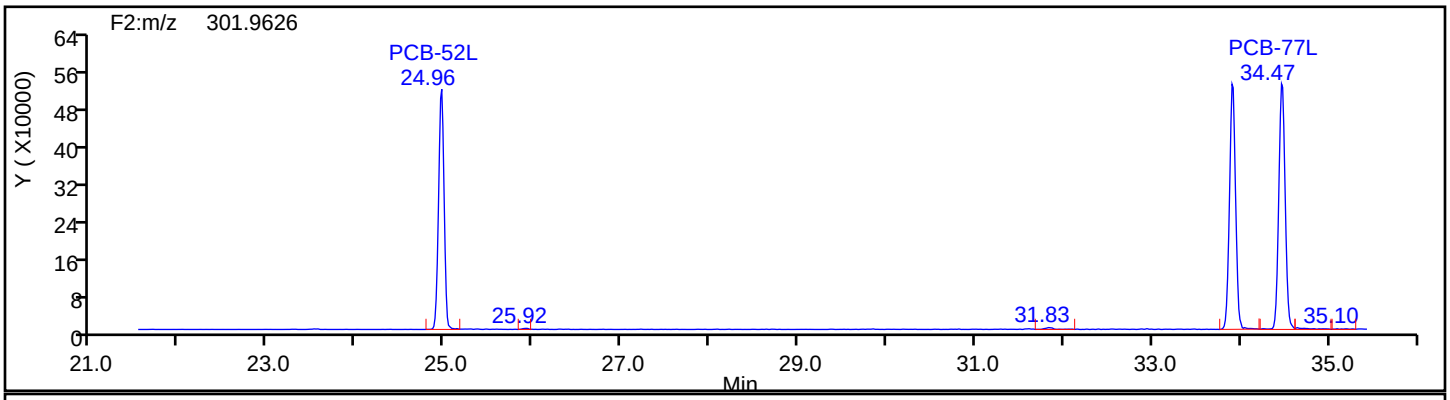
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

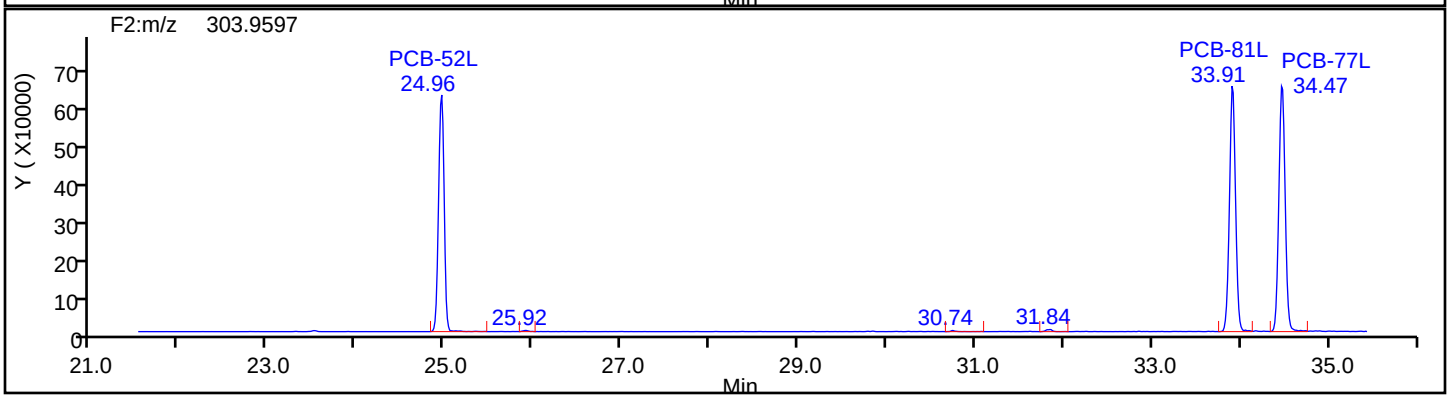
TePCB F2




TePCB F2 Standards

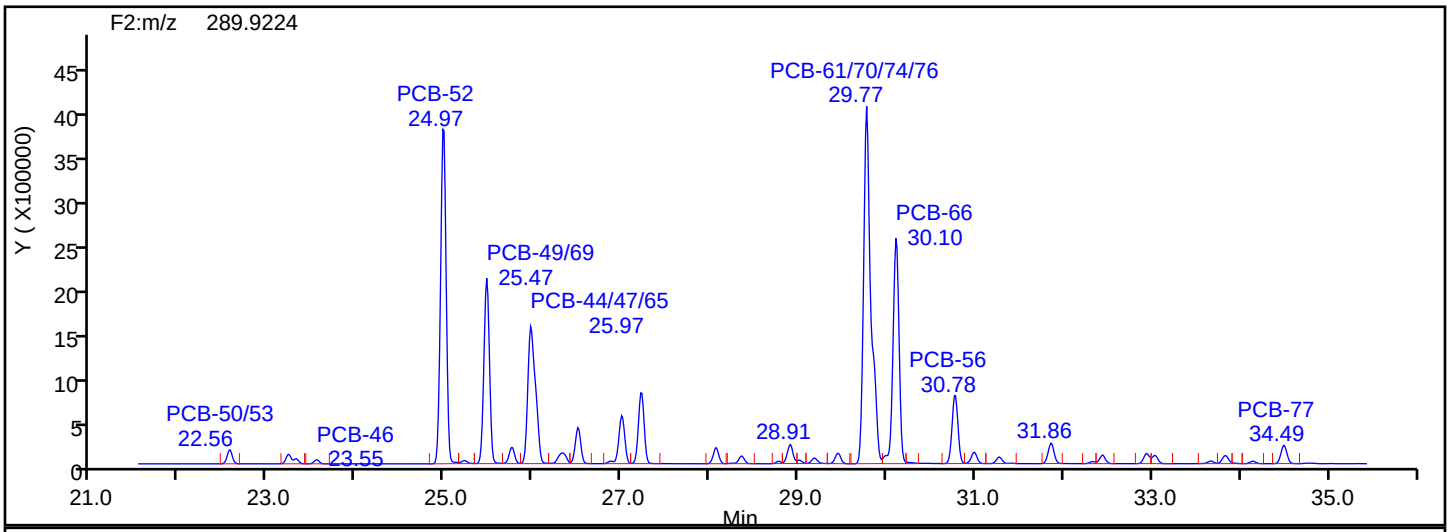


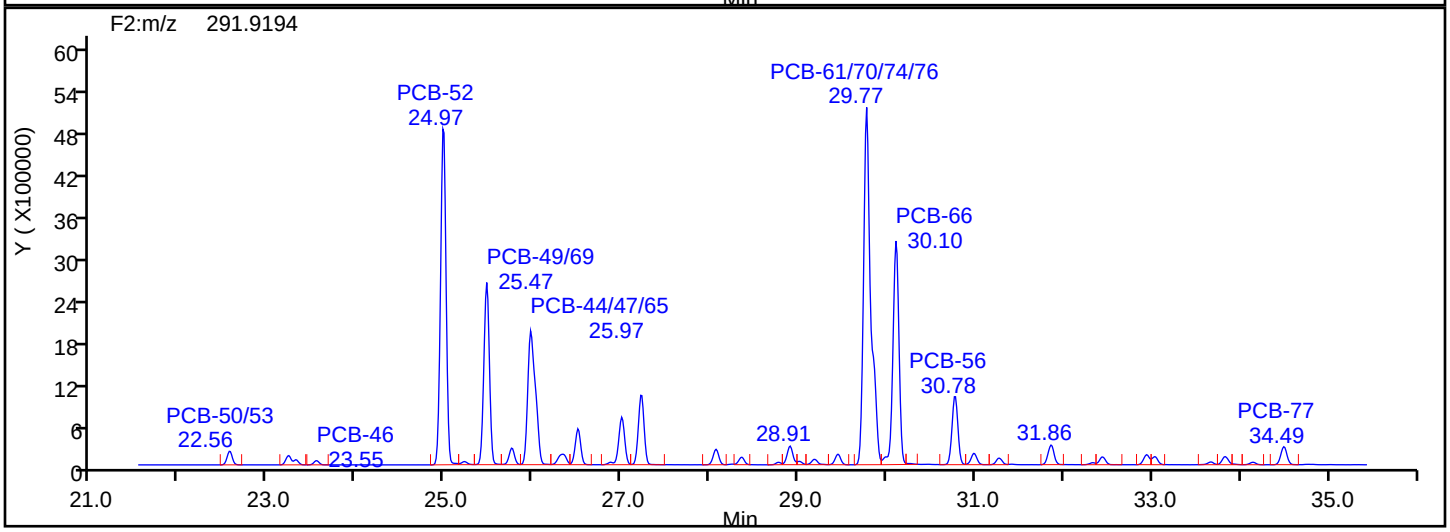



Eurofins TestAmerica, Knoxville

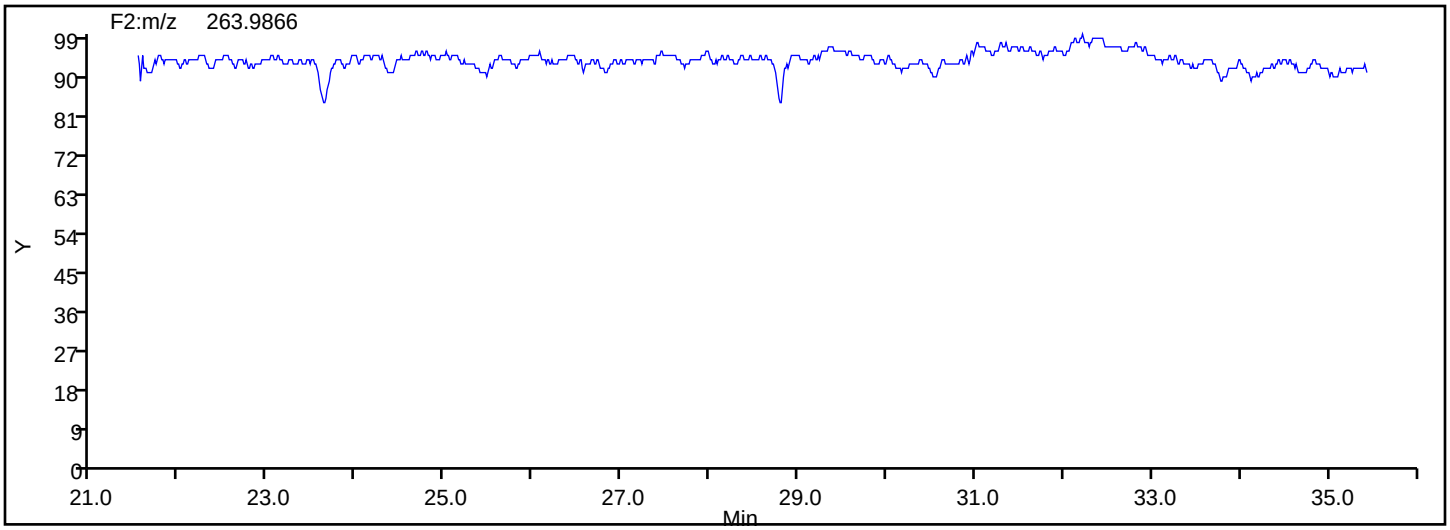
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

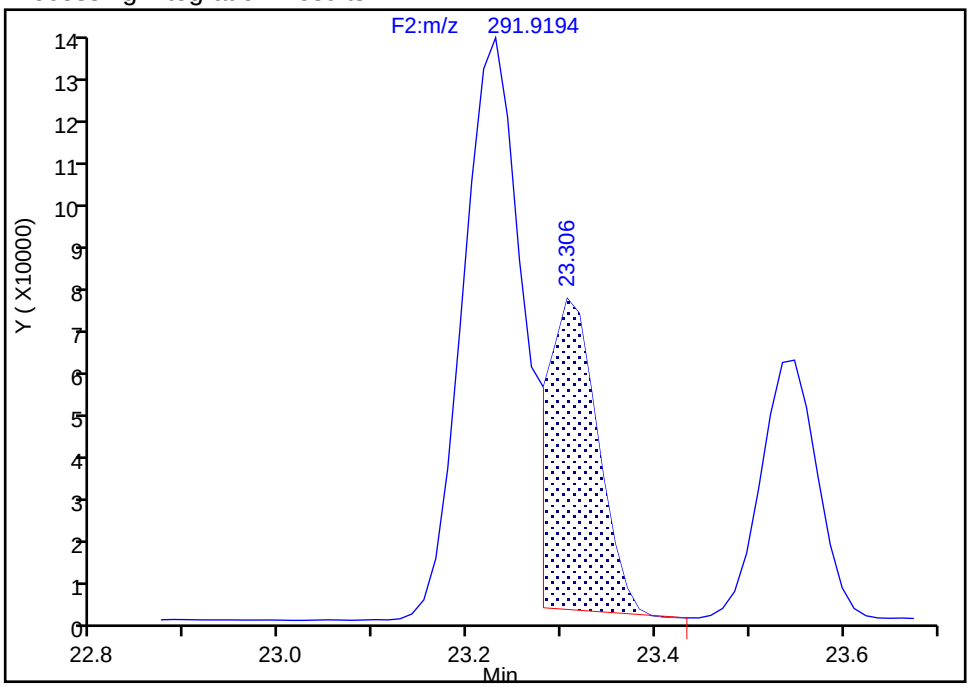
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

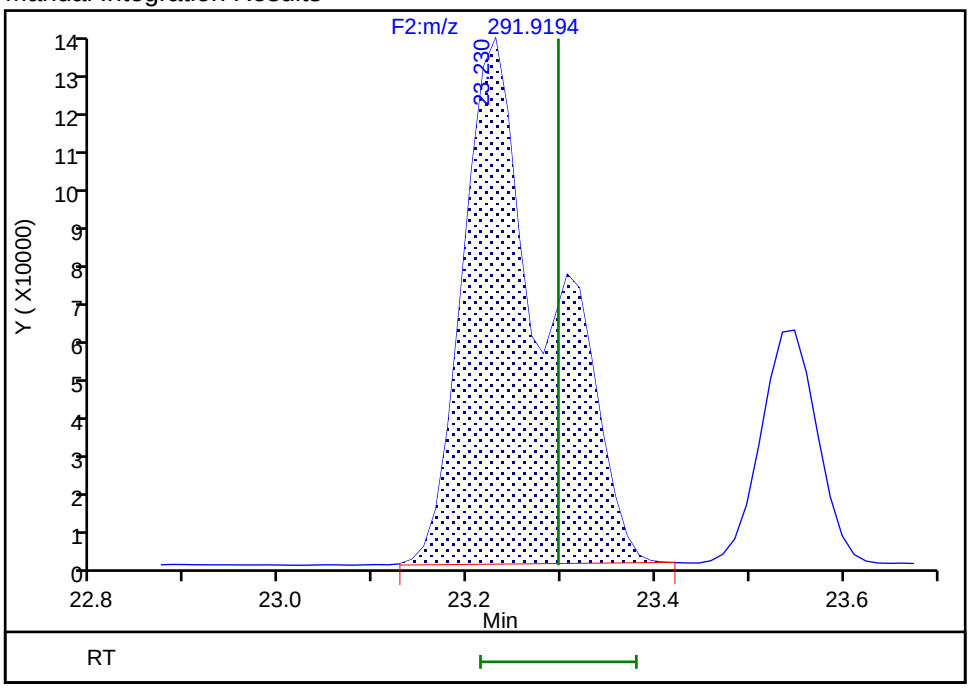
Processing Integration Results

RT: 23.31
Area: 251551
Amount: 8.841796
Amount Units: pg/ul




Manual Integration Results

RT: 23.23
Area: 843663
Amount: 29.254167
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:08:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

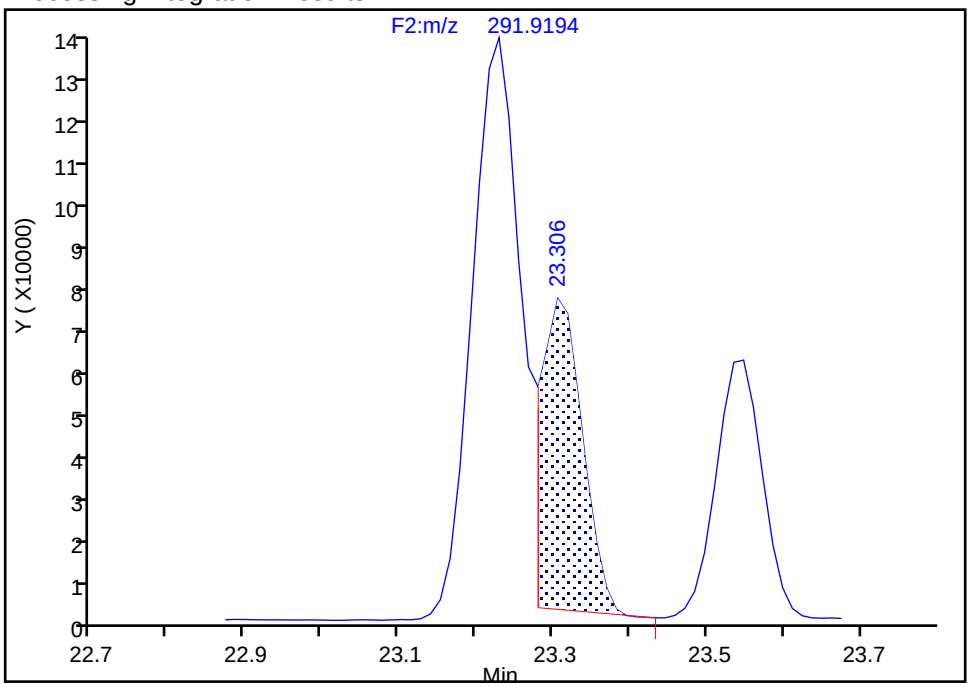
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.31
Area: 455974
Amount: 8.841796
Amount Units: pg/ul




Manual Integration Results

RT: 23.23
Area: 1508646
Amount: 29.254167
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:08:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

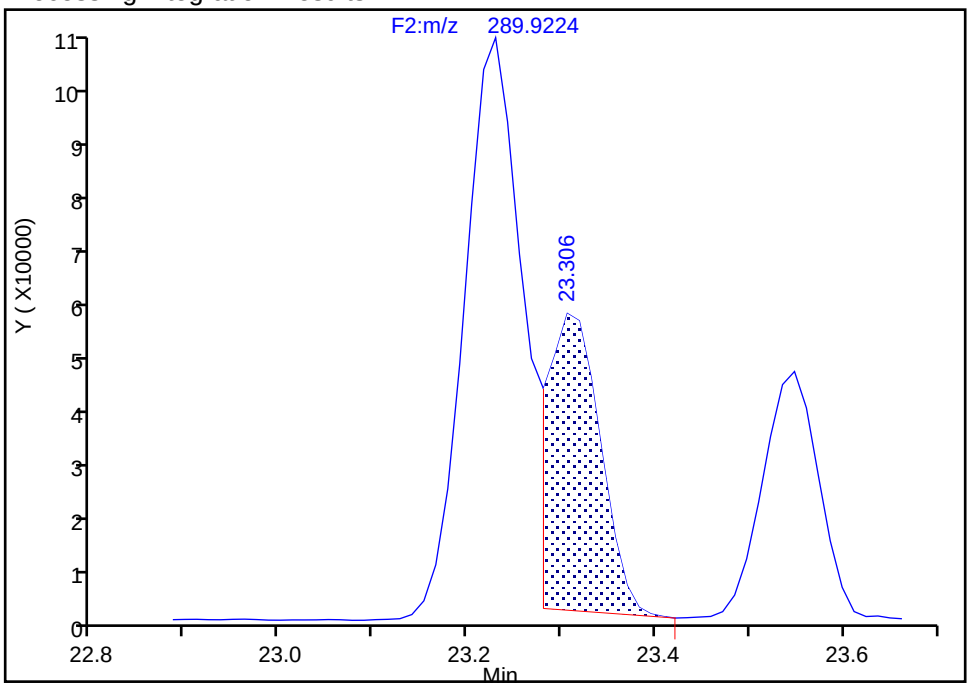
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

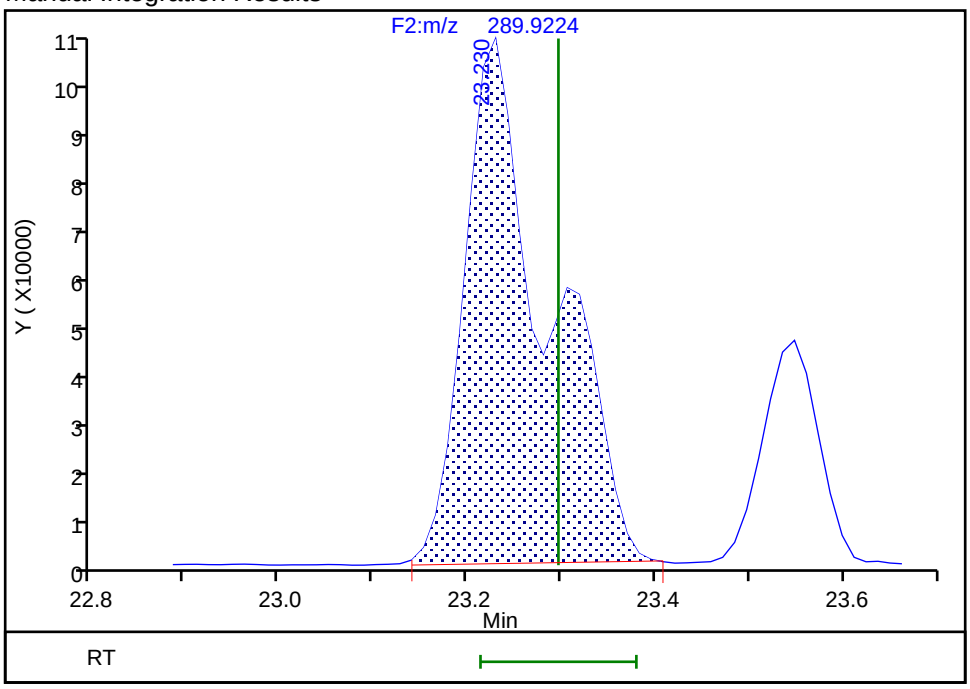
Processing Integration Results

RT: 23.31
Area: 204423
Amount: 8.841796
Amount Units: pg/ul




Manual Integration Results

RT: 23.23
Area: 664983
Amount: 29.254167
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:08:58

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

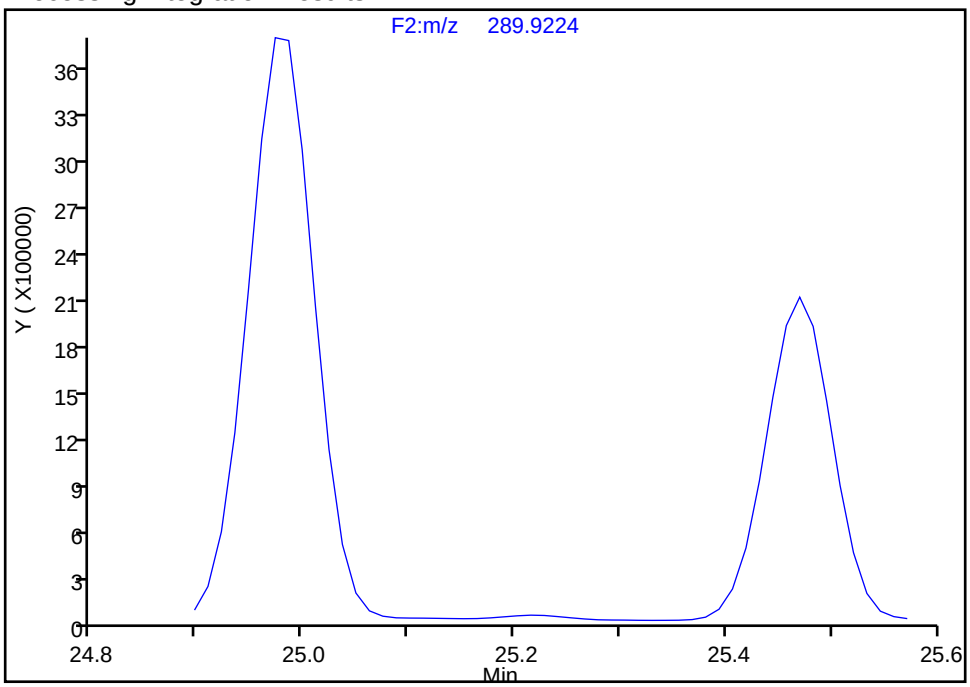
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

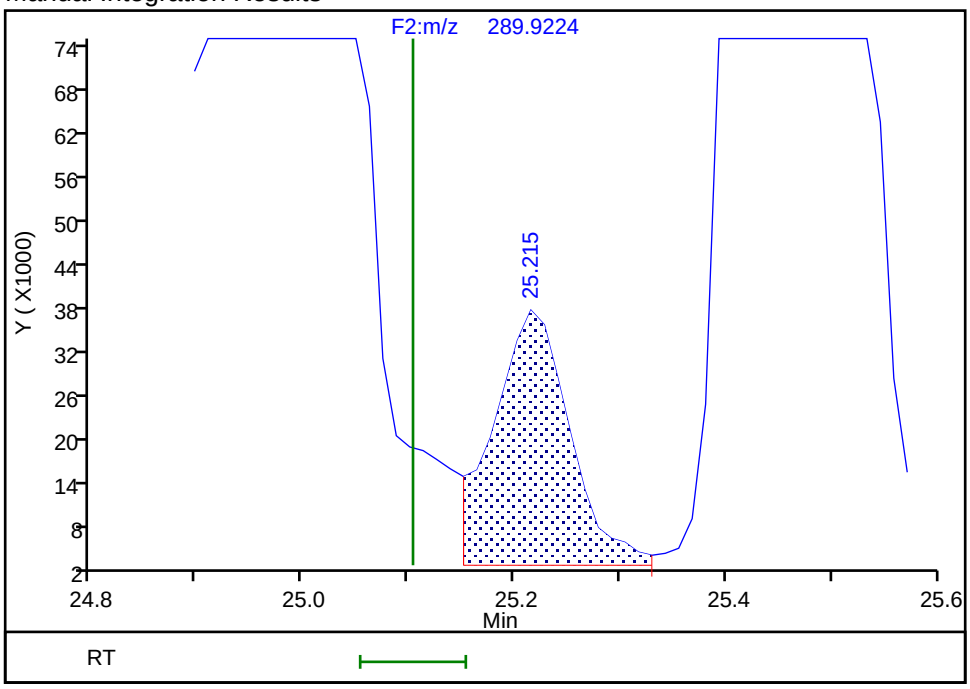
Not Detected
Expected RT: 25.10

Processing Integration Results




Manual Integration Results

RT: 25.22
Area: 174423
Amount: 6.743715
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:09:12
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

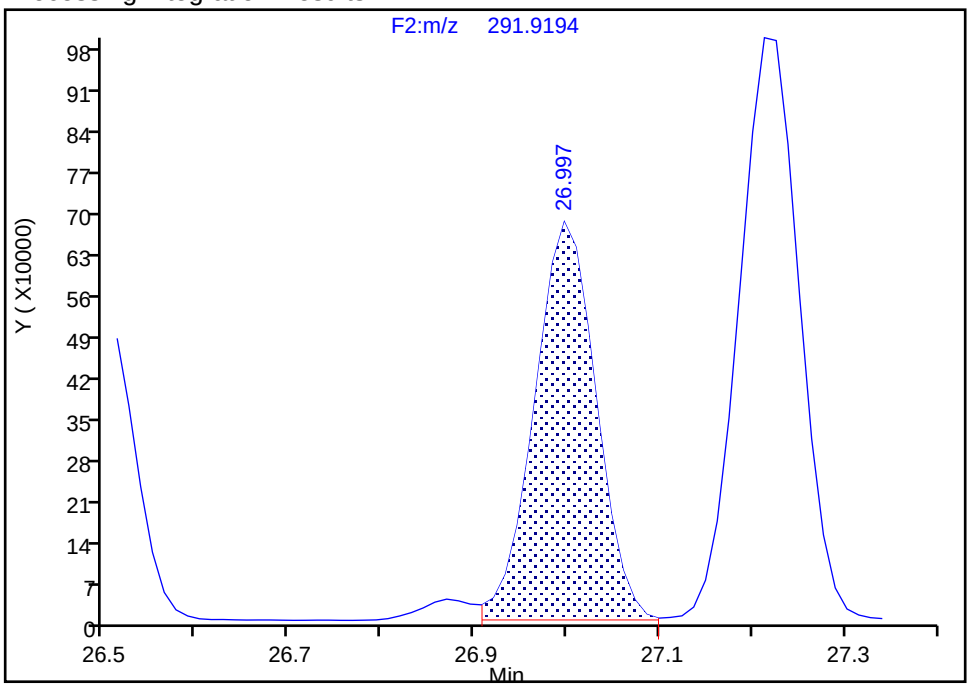
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

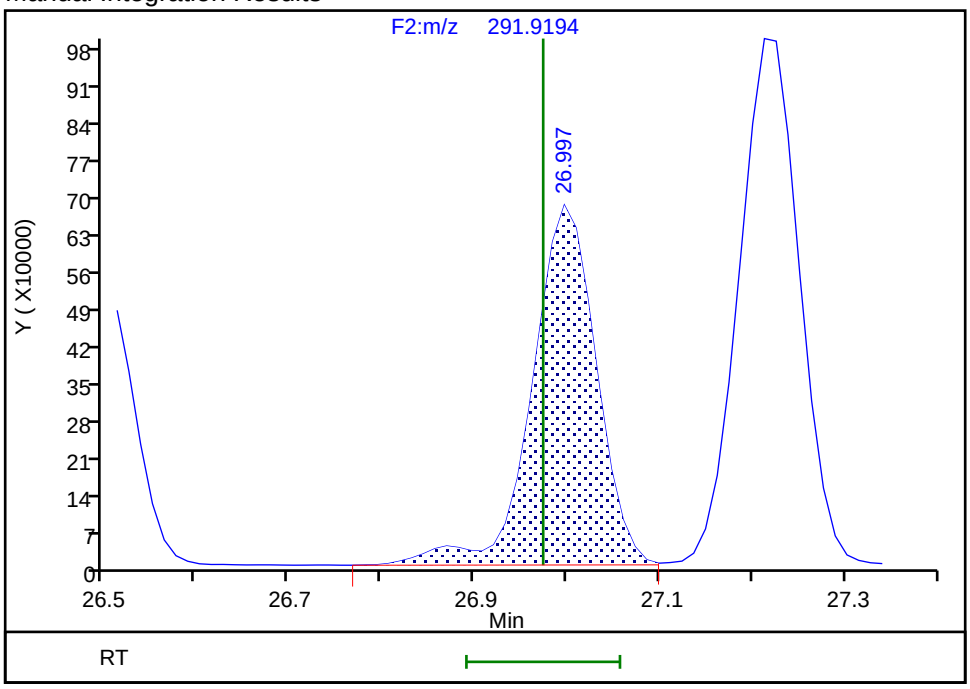
Processing Integration Results

RT: 27.00
Area: 3146088
Amount: 105.7438
Amount Units: pg/ul




Manual Integration Results

RT: 27.00
Area: 3291708
Amount: 110.6342
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:09:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

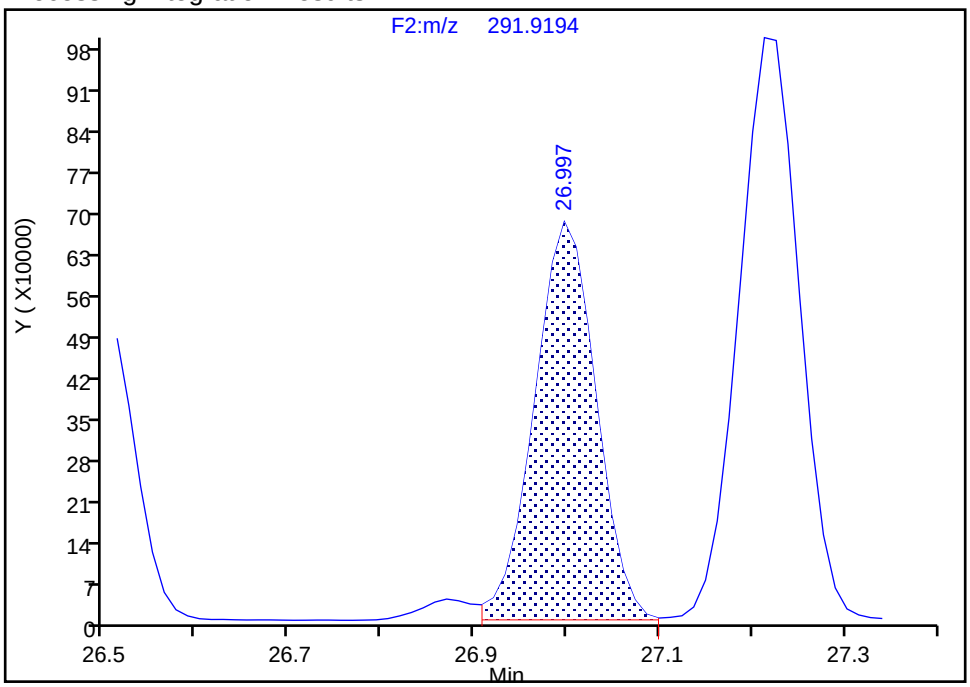
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 27.00
Area: 5655774
Amount: 105.7438
Amount Units: pg/ul




Manual Integration Results

RT: 27.00
Area: 5917337
Amount: 110.6342
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:09:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

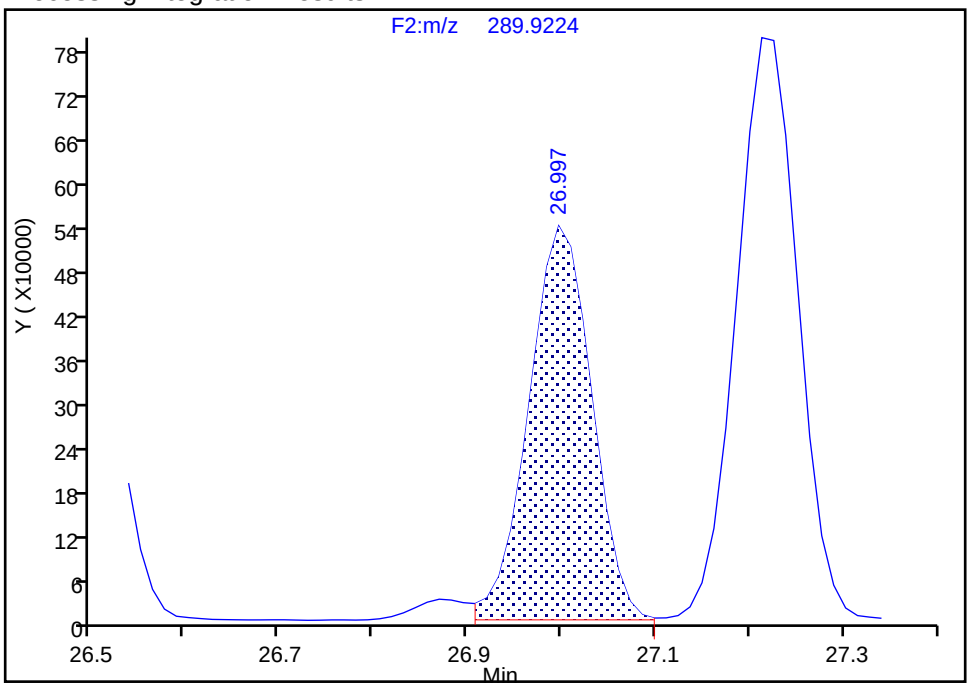
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

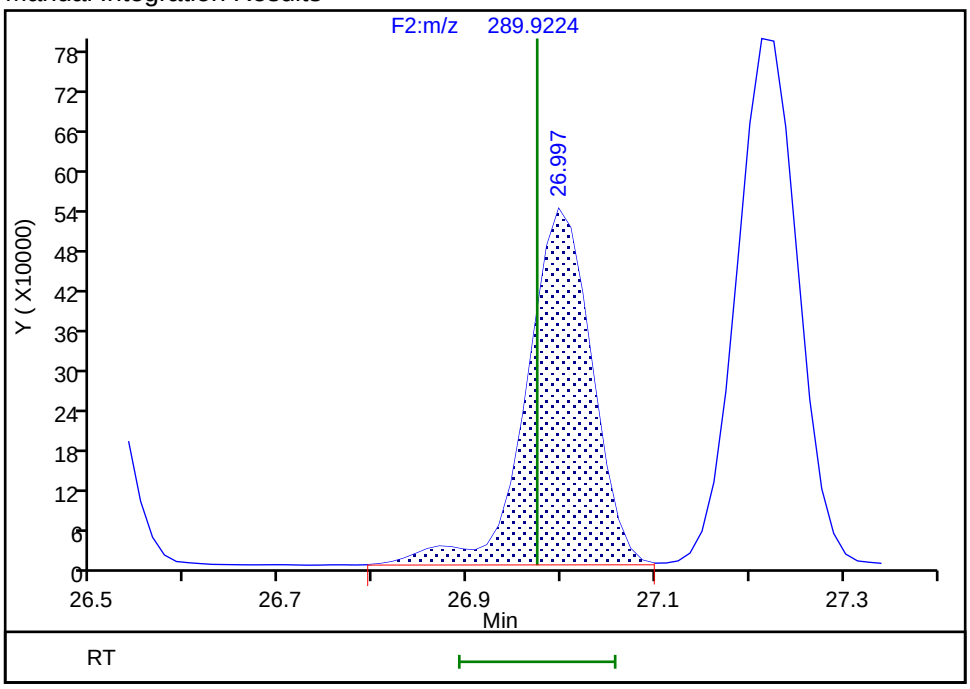
Processing Integration Results

RT: 27.00
Area: 2509686
Amount: 105.7438
Amount Units: pg/ul




Manual Integration Results

RT: 27.00
Area: 2625629
Amount: 110.6342
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:09:36

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

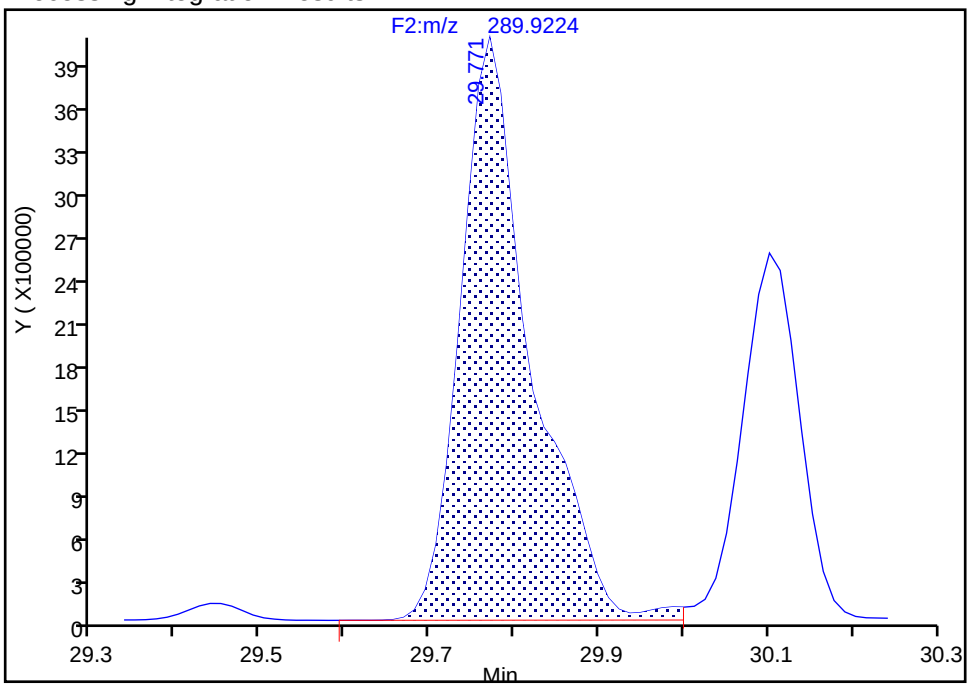
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 1

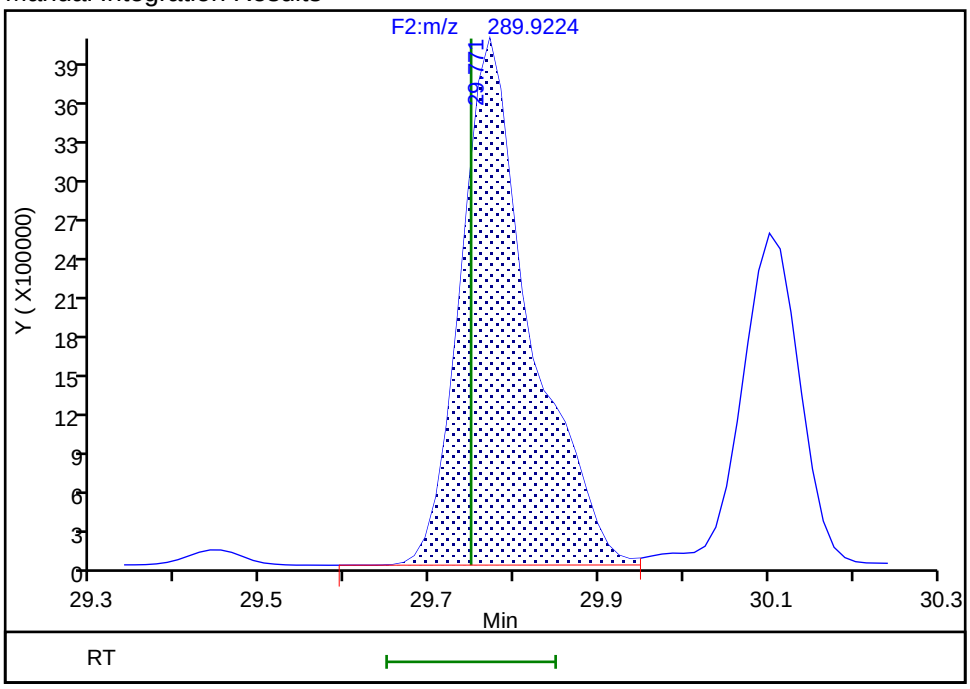
Processing Integration Results

RT: 29.77
Area: 23363548
Amount: 665.0935
Amount Units: pg/ul




Manual Integration Results

RT: 29.77
Area: 23126047
Amount: 662.0889
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:10:10

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

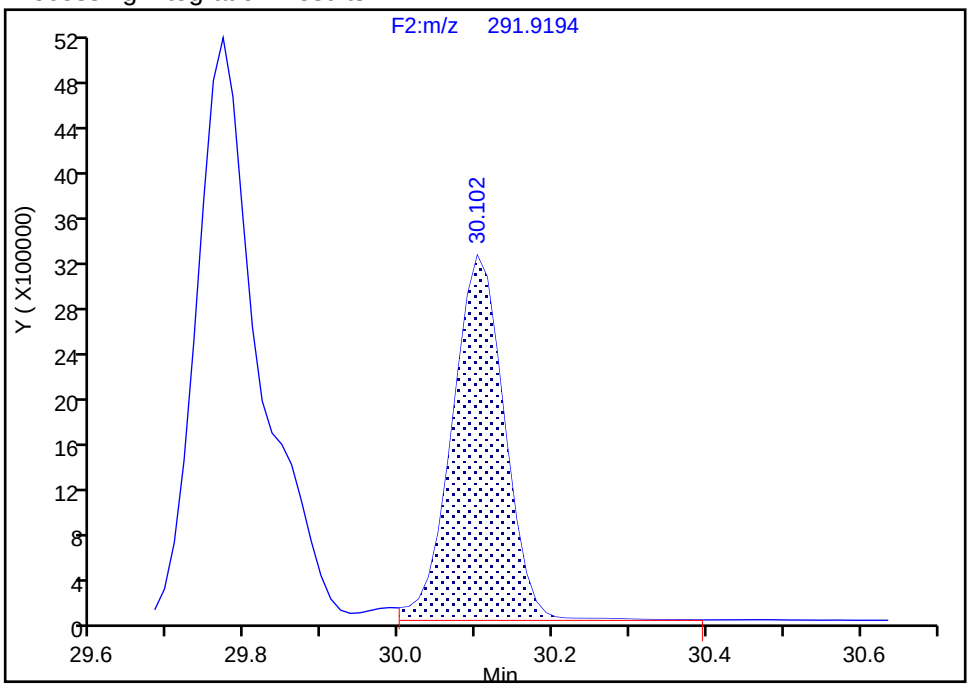
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

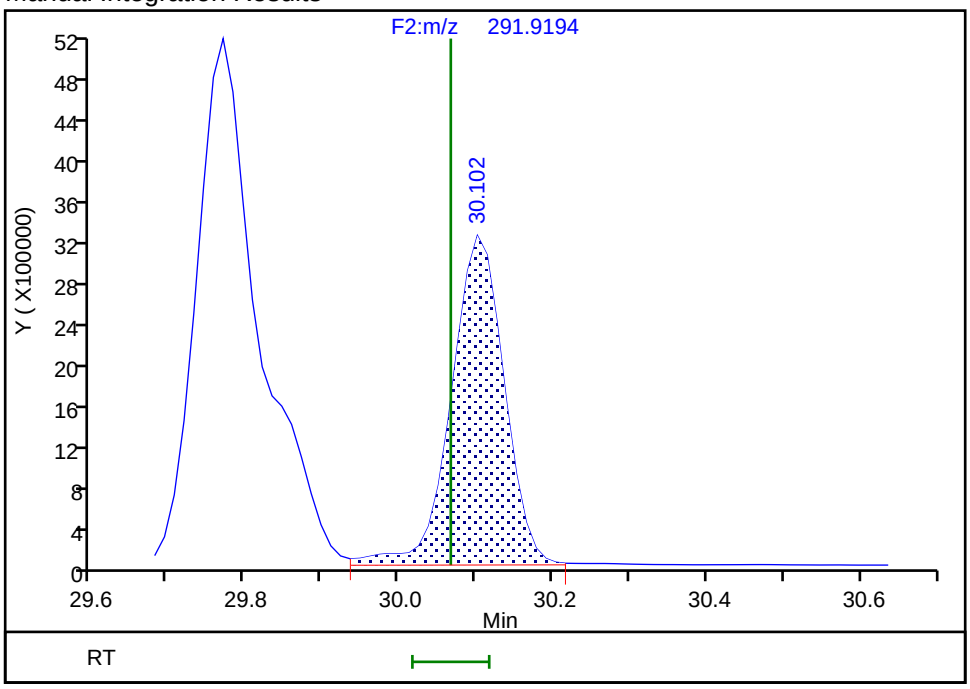
Processing Integration Results

RT: 30.10
Area: 15174961
Amount: 365.2267
Amount Units: pg/ul




Manual Integration Results

RT: 30.10
Area: 15389052
Amount: 370.4917
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:10:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

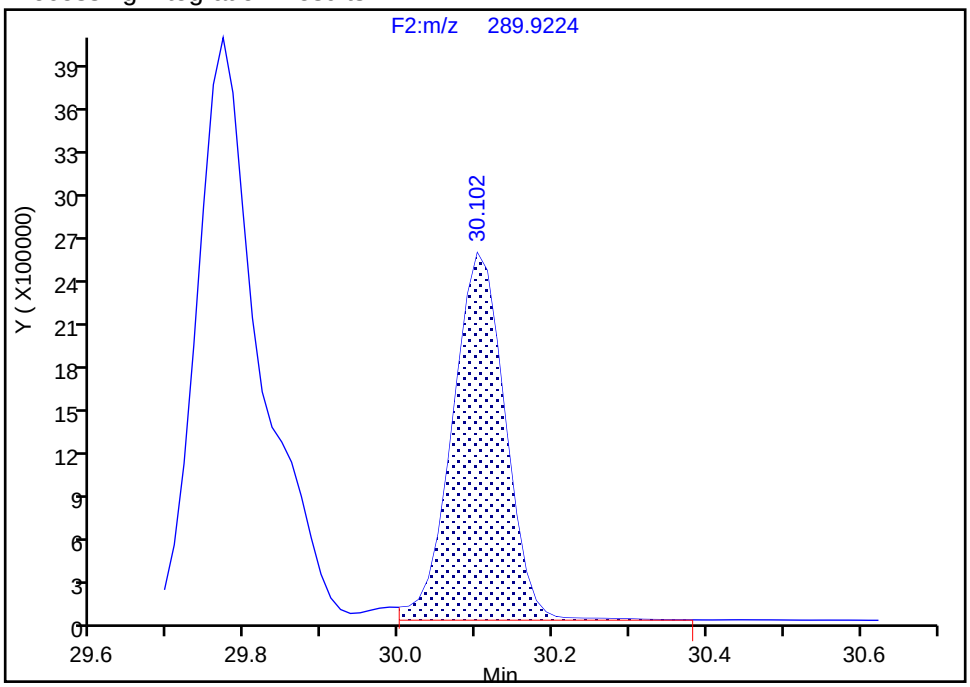
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

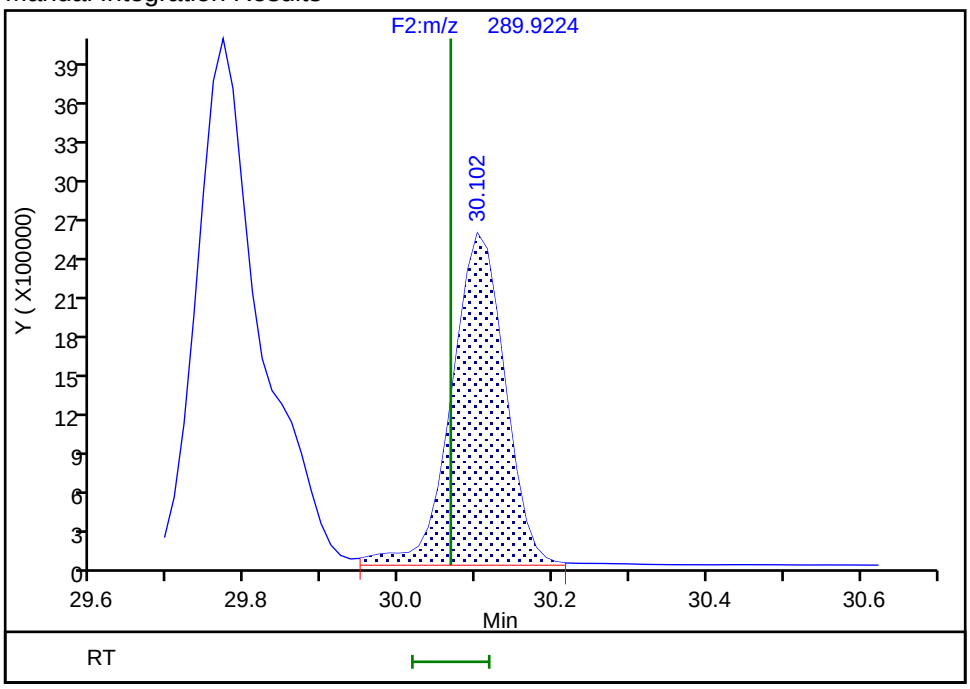
Processing Integration Results

RT: 30.10
Area: 12065248
Amount: 365.2267
Amount Units: pg/ul




Manual Integration Results

RT: 30.10
Area: 12243837
Amount: 370.4917
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:10:50

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

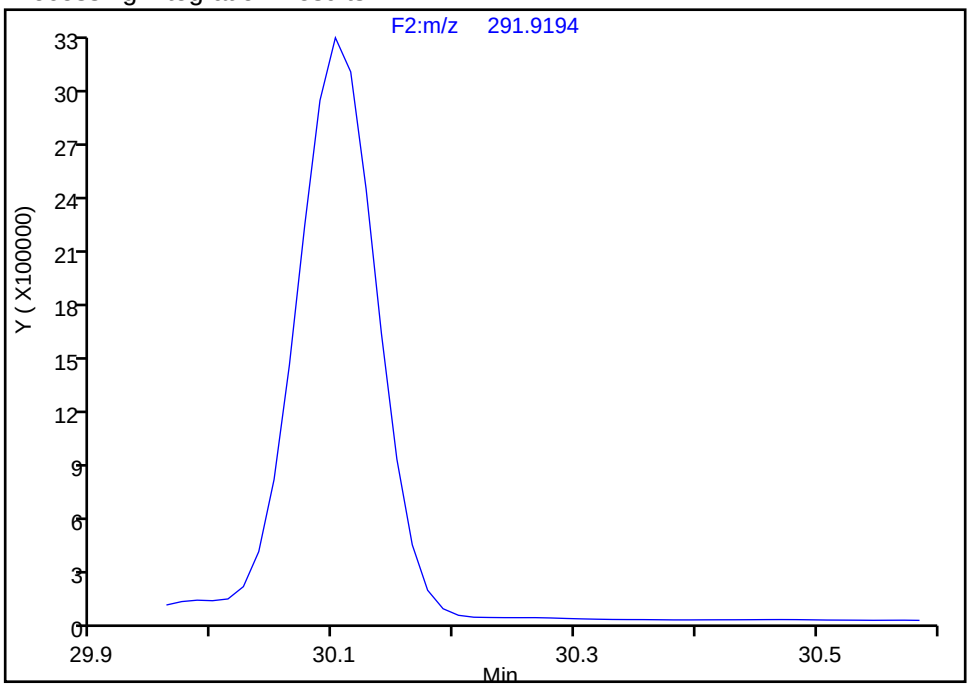
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 2

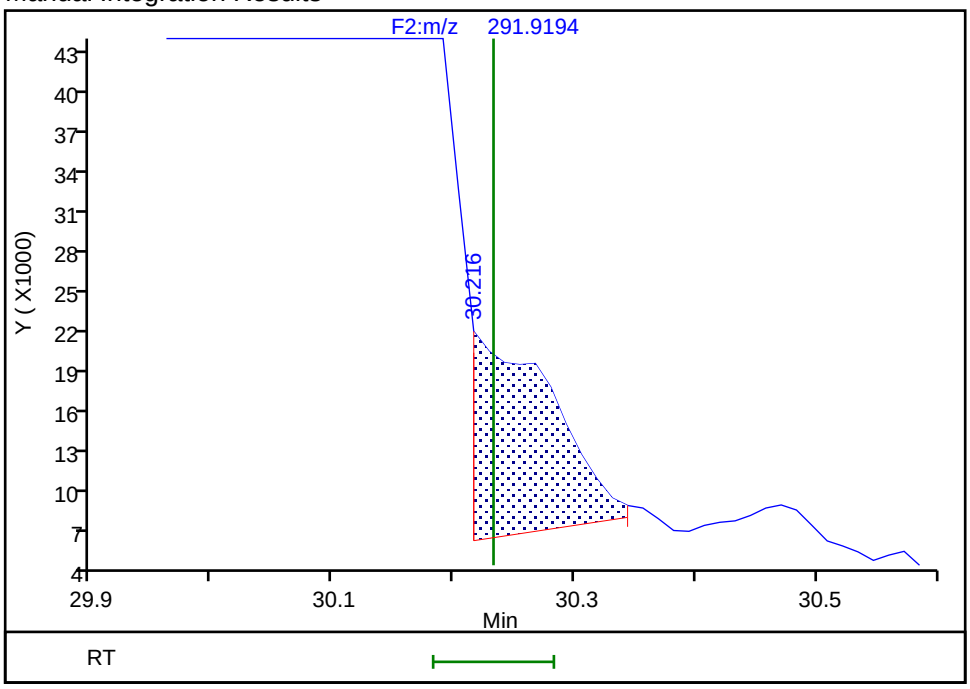
Not Detected
Expected RT: 30.23

Processing Integration Results




Manual Integration Results

RT: 30.22
Area: 67599
Amount: 2.033749
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:10:47
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

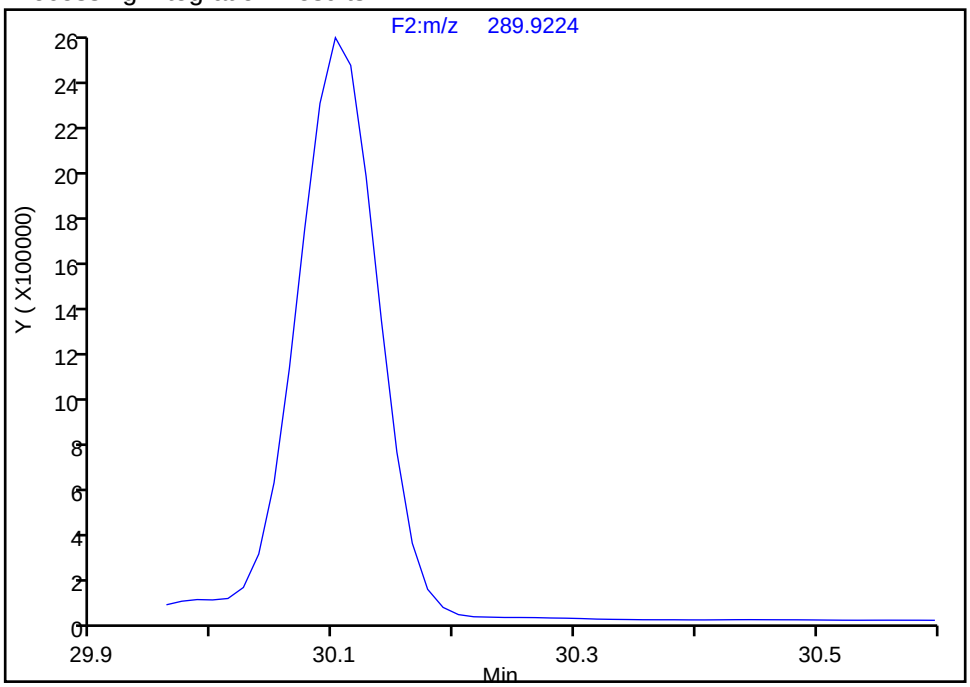
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

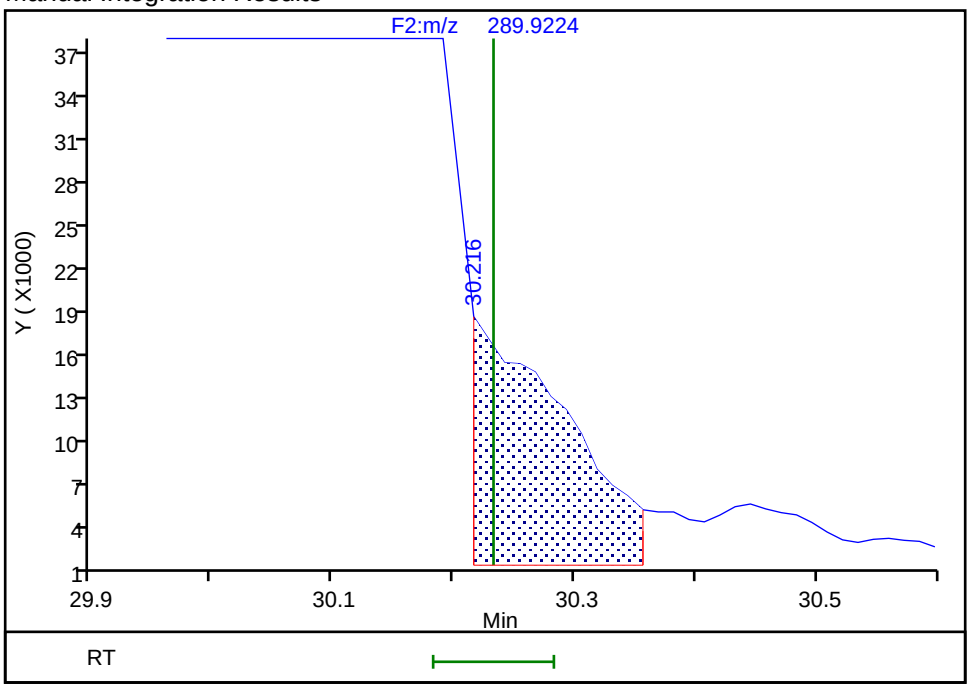
Not Detected
Expected RT: 30.23

Processing Integration Results




Manual Integration Results

RT: 30.22
Area: 85882
Amount: 2.033749
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:10:53
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

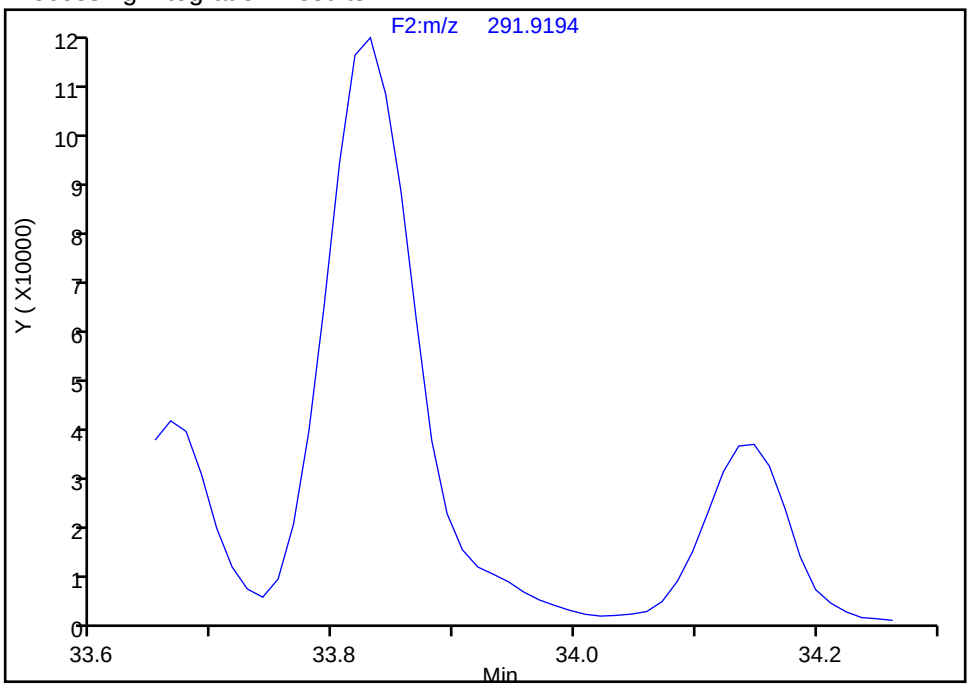
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

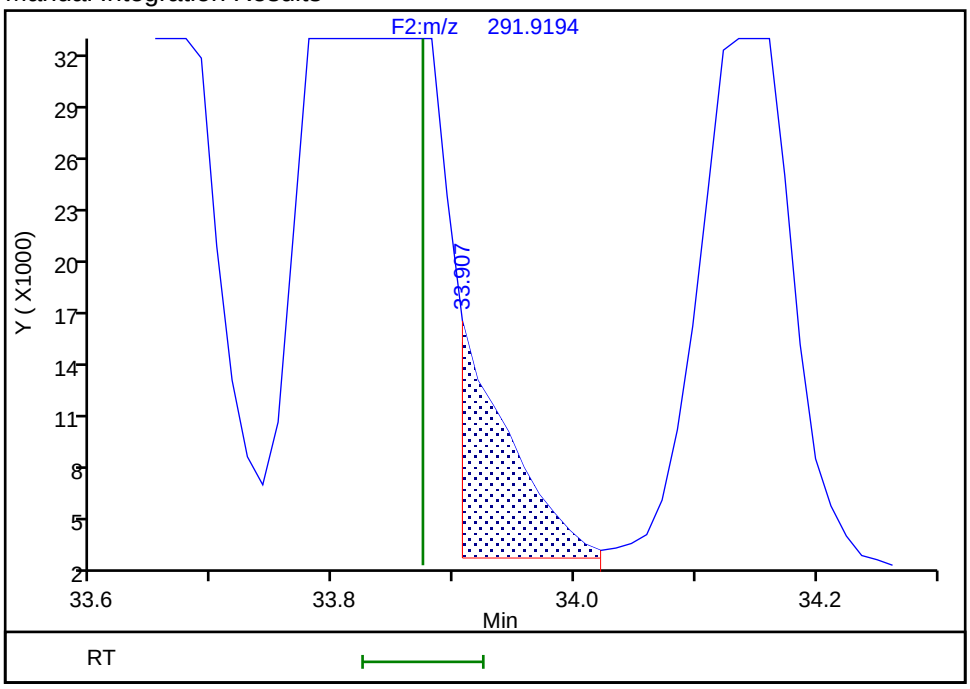
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.91
Area: 35961
Amount: 0.804842
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:11:22
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

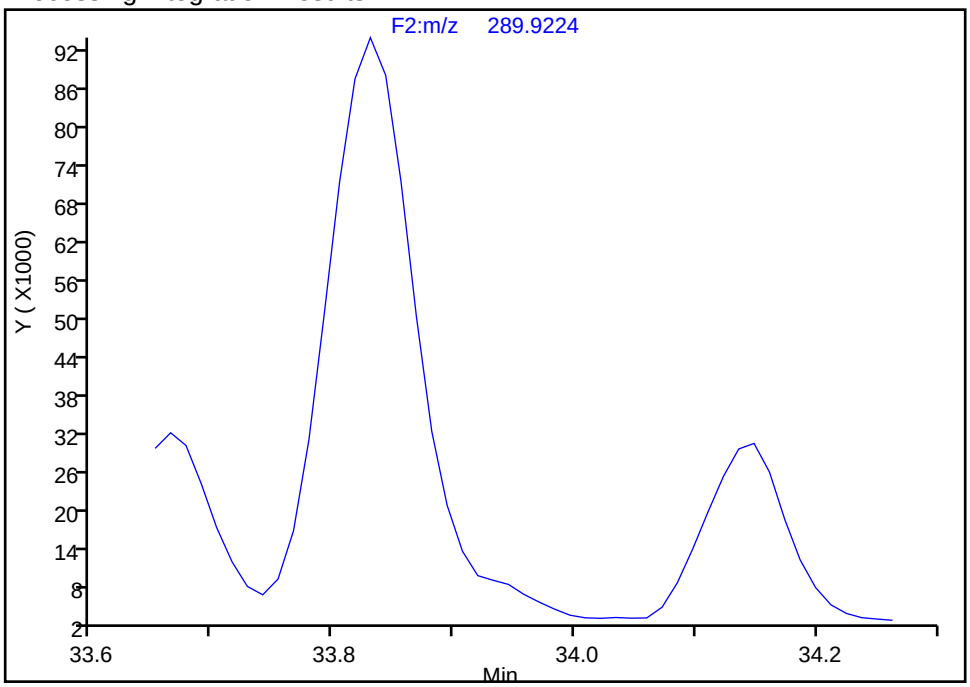
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

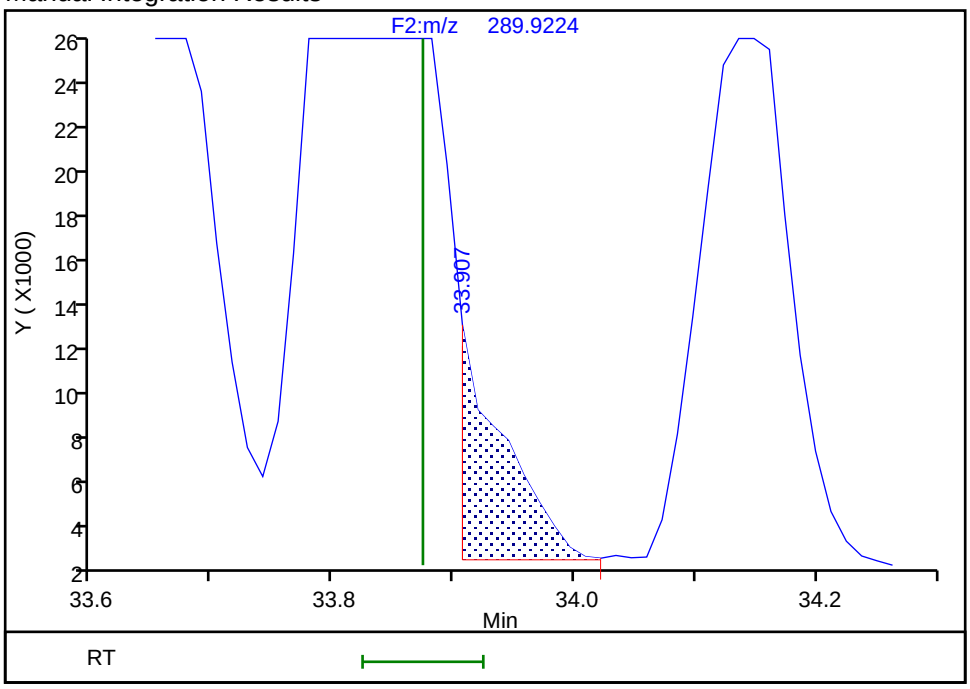
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.91
Area: 24591
Amount: 0.804842
Amount Units: pg/ul

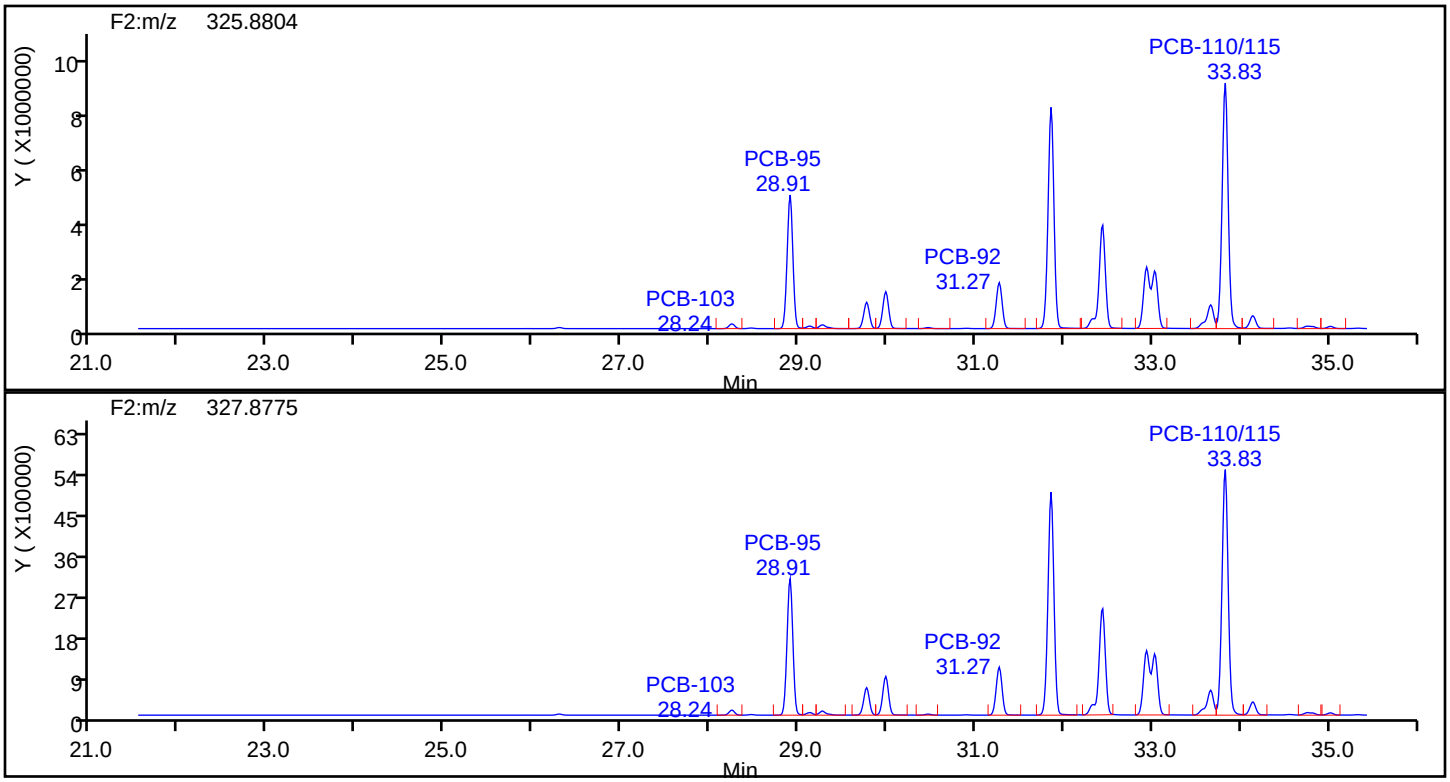



Reviewer: mcwhirterl, 09-Oct-2019 21:11:28
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

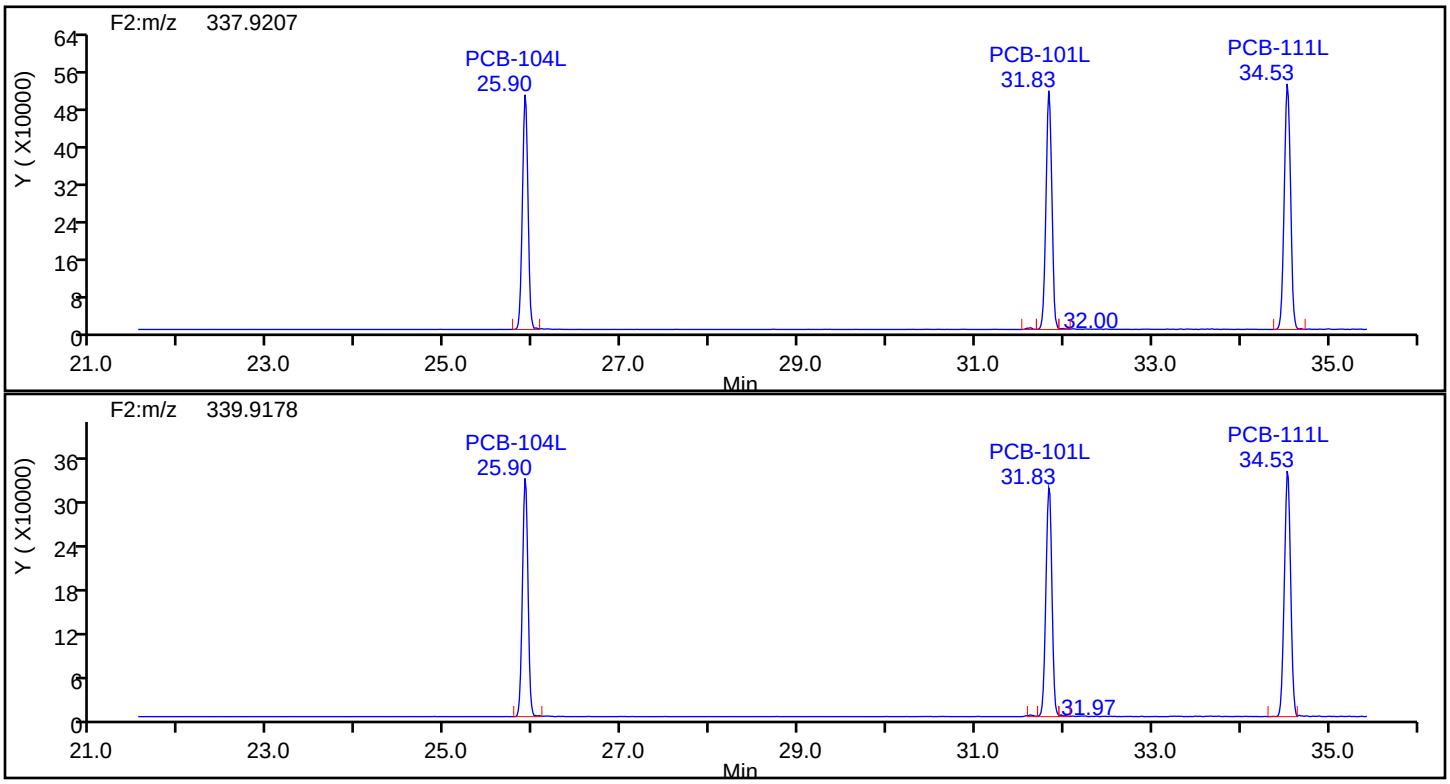
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



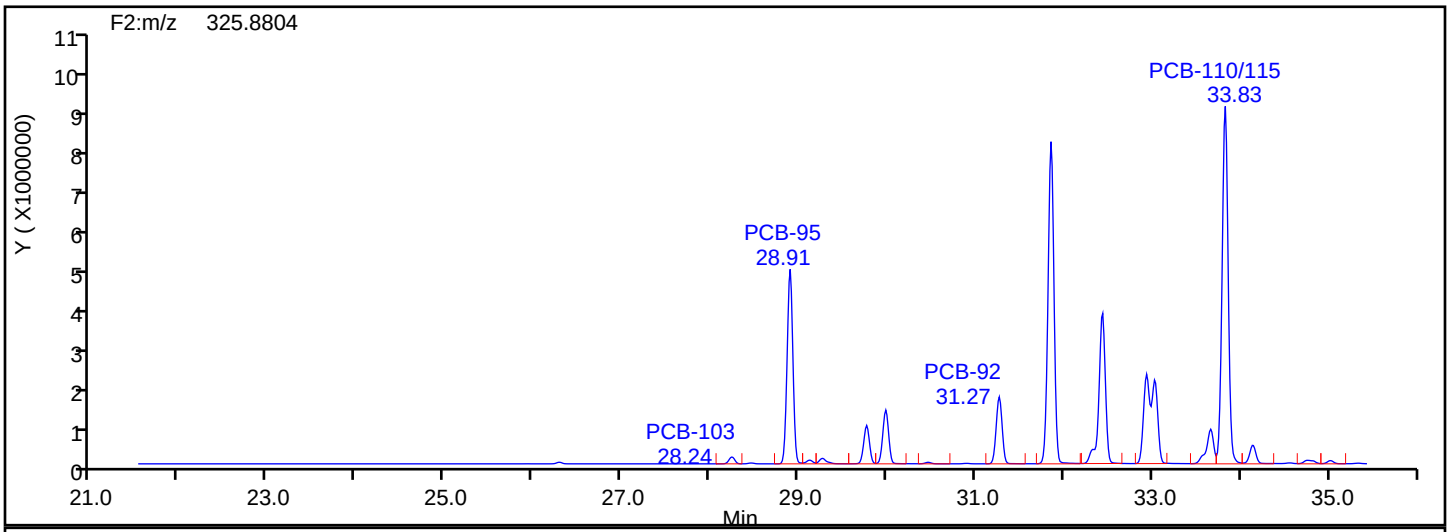

PePCB F2 Standards

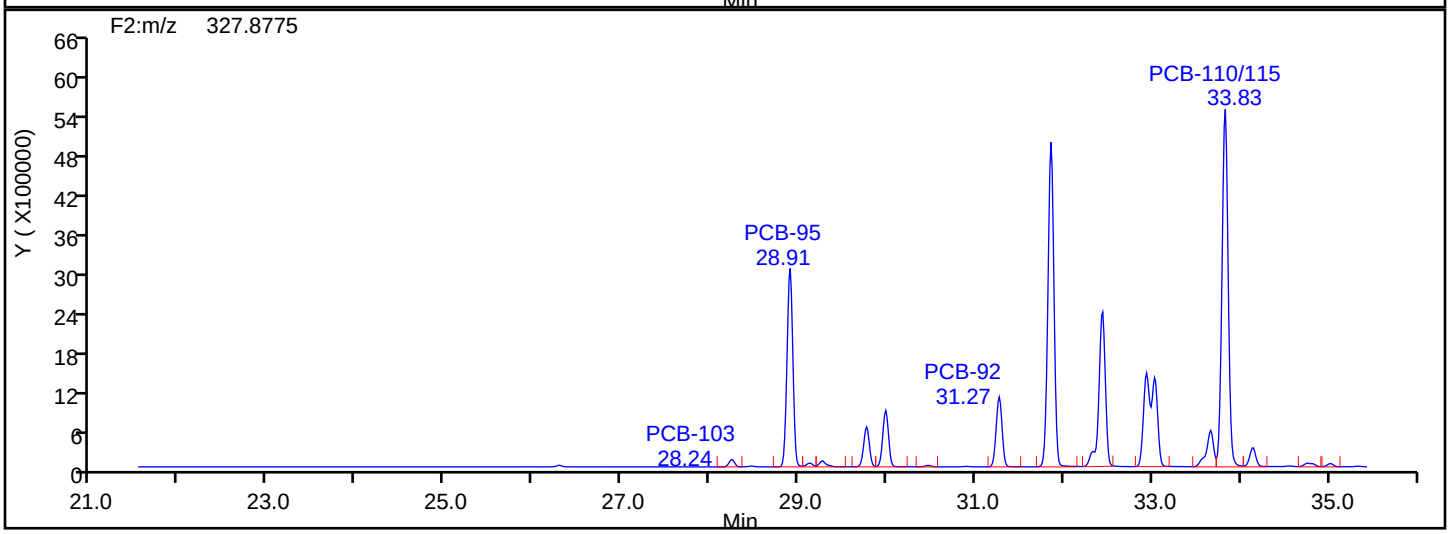


Eurofins TestAmerica, Knoxville

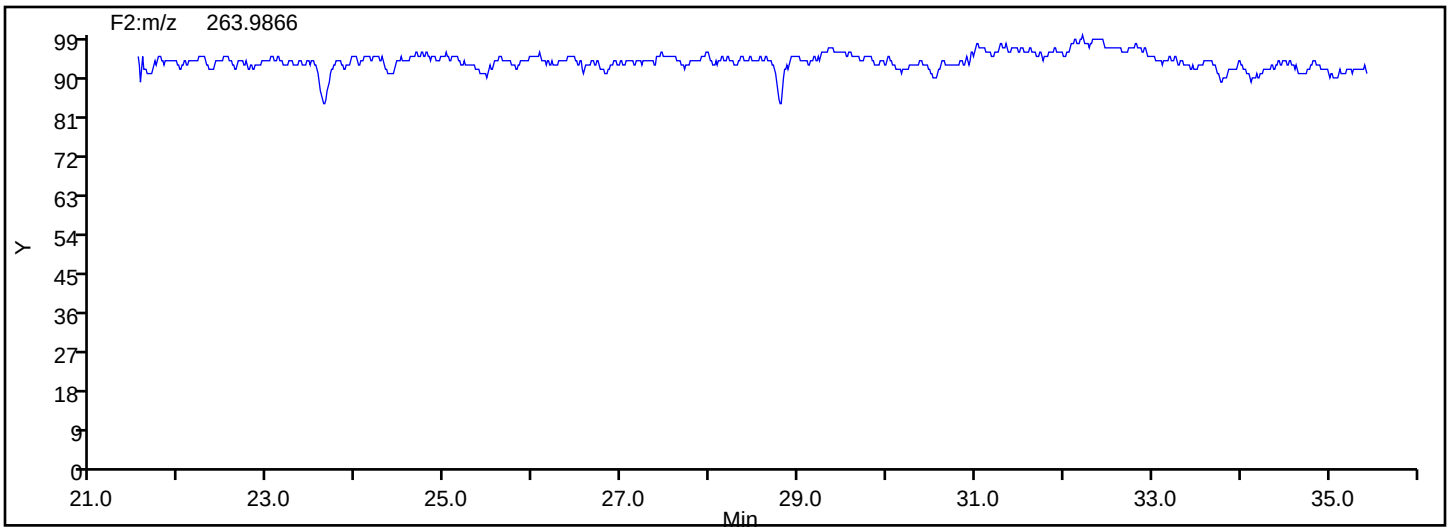
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

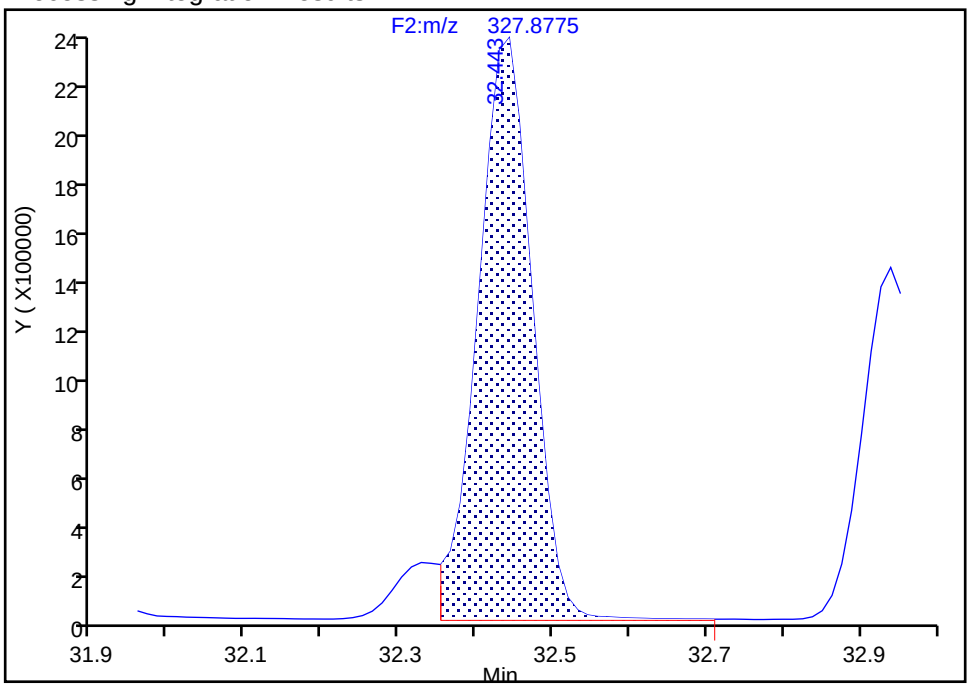
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

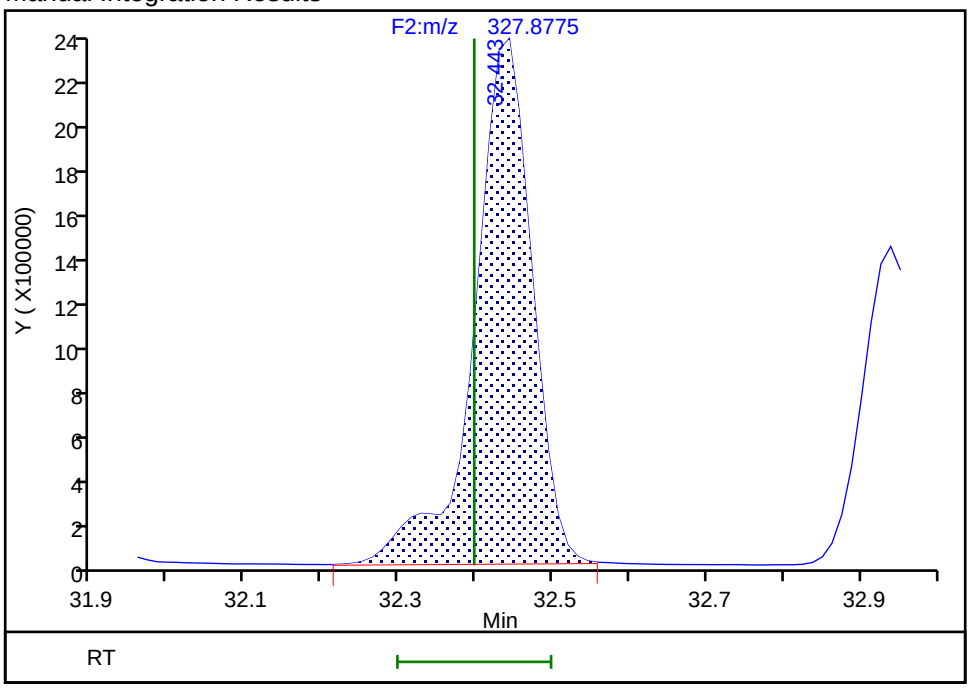
Processing Integration Results

RT: 32.44
Area: 11613493
Amount: 880.6384
Amount Units: pg/ul




Manual Integration Results

RT: 32.44
Area: 12363302
Amount: 930.0197
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:12:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

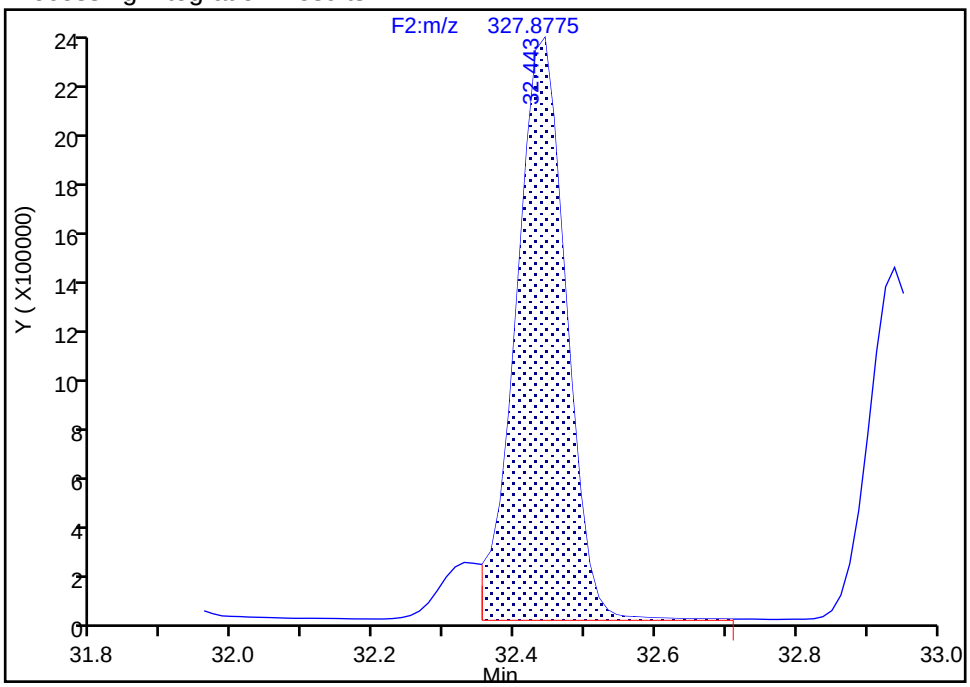
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.44
Area: 30096112
Amount: 880.6384
Amount Units: pg/ul




Manual Integration Results

RT: 32.44
Area: 31783735
Amount: 930.0197
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:12:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

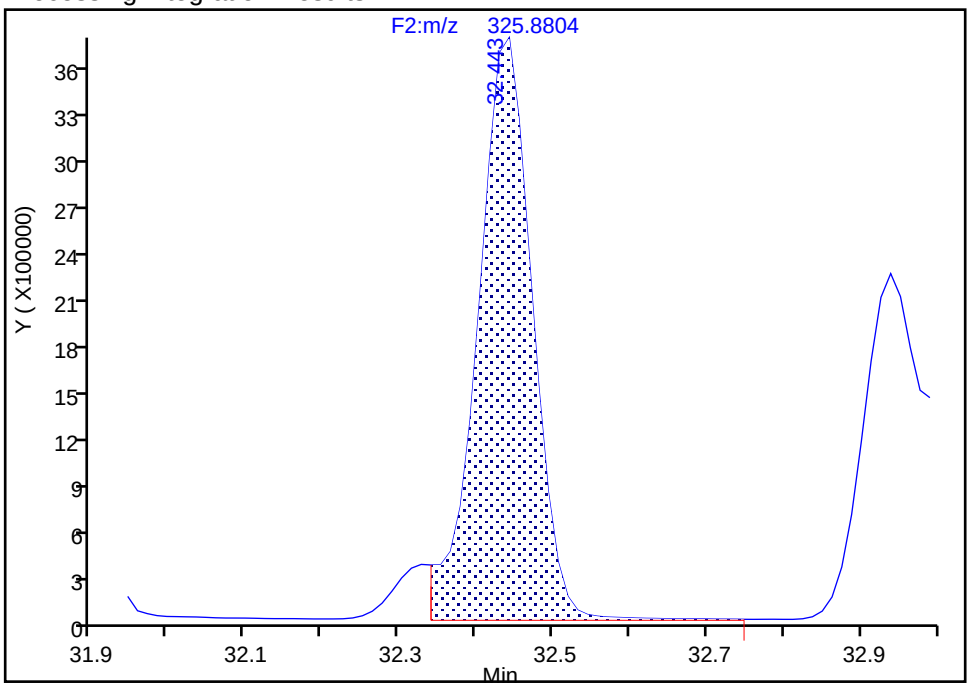
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

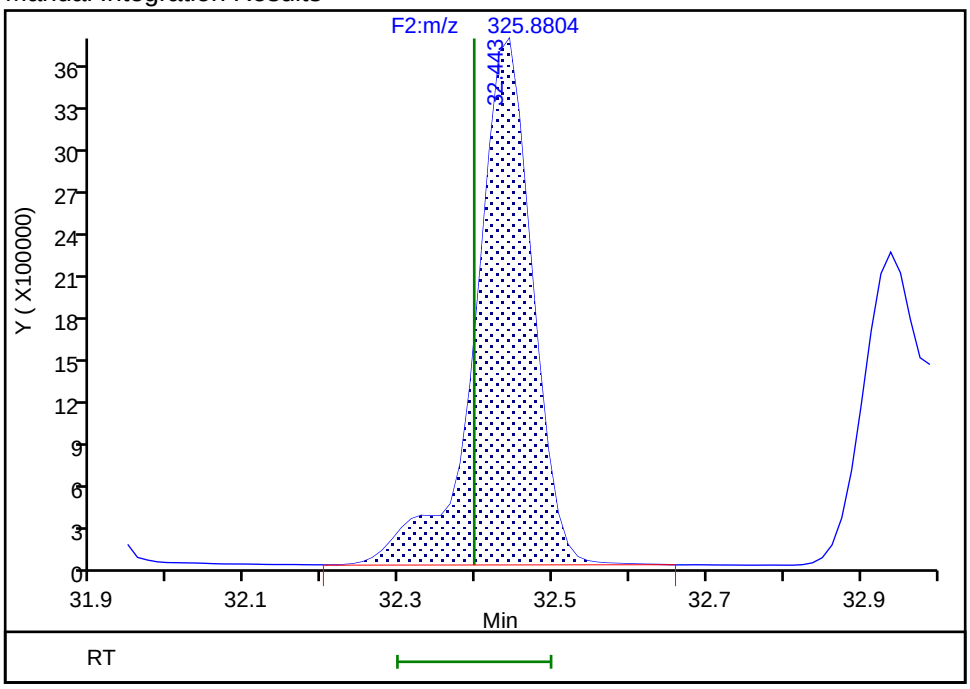
Processing Integration Results

RT: 32.44
Area: 18482619
Amount: 880.6384
Amount Units: pg/ul




Manual Integration Results

RT: 32.44
Area: 19420433
Amount: 930.0197
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:12:25

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

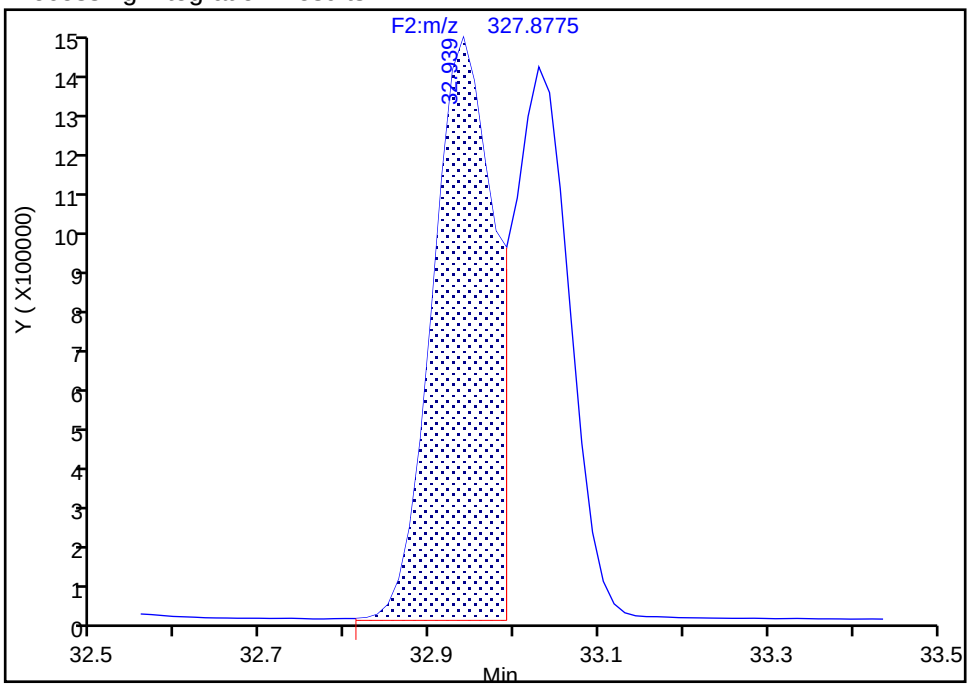
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

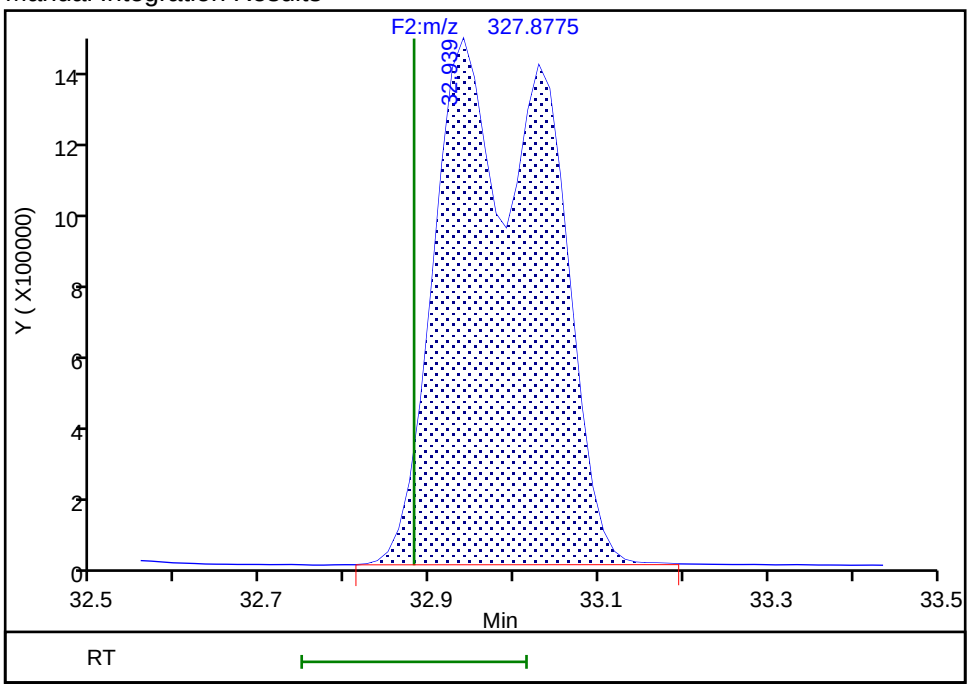
Processing Integration Results

RT: 32.94
Area: 7125271
Amount: 416.8682
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 13153032
Amount: 772.0770
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:12:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

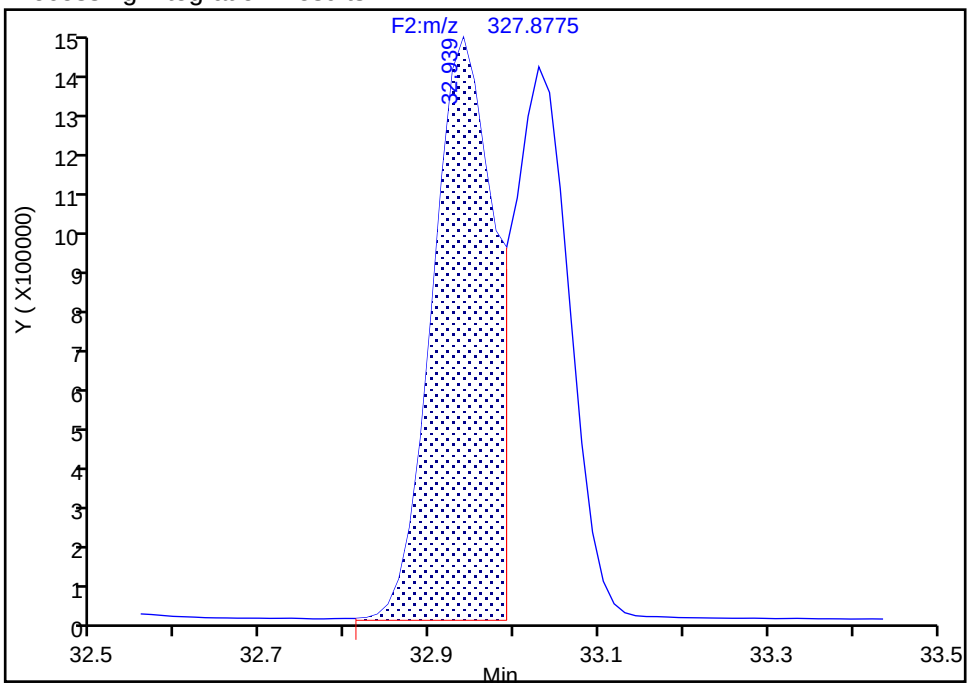
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.94
Area: 18136289
Amount: 416.8682
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 33590023
Amount: 772.0770
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:12:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

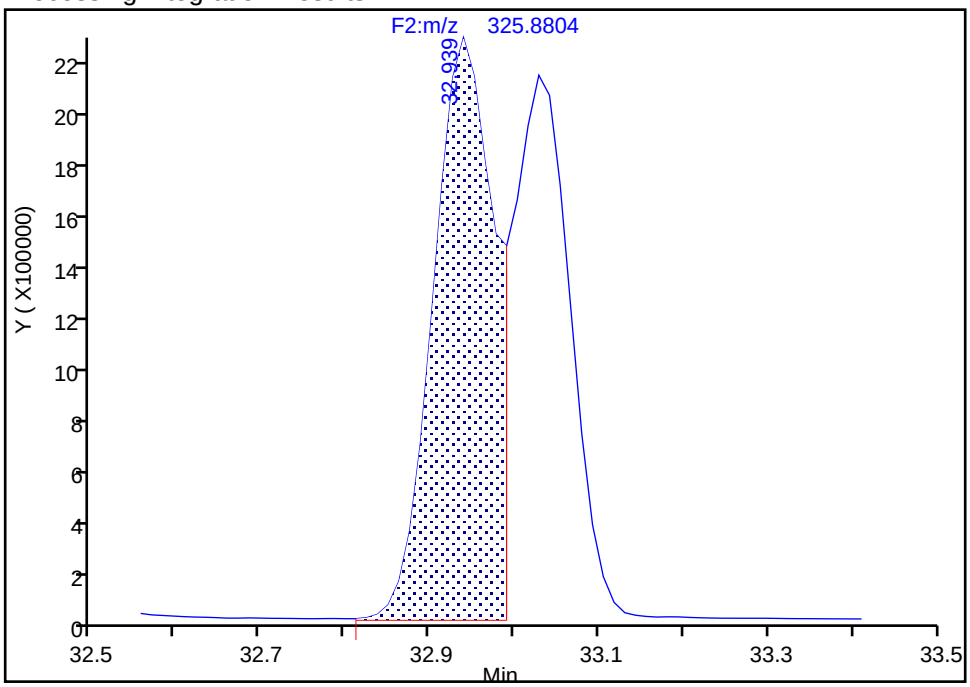
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

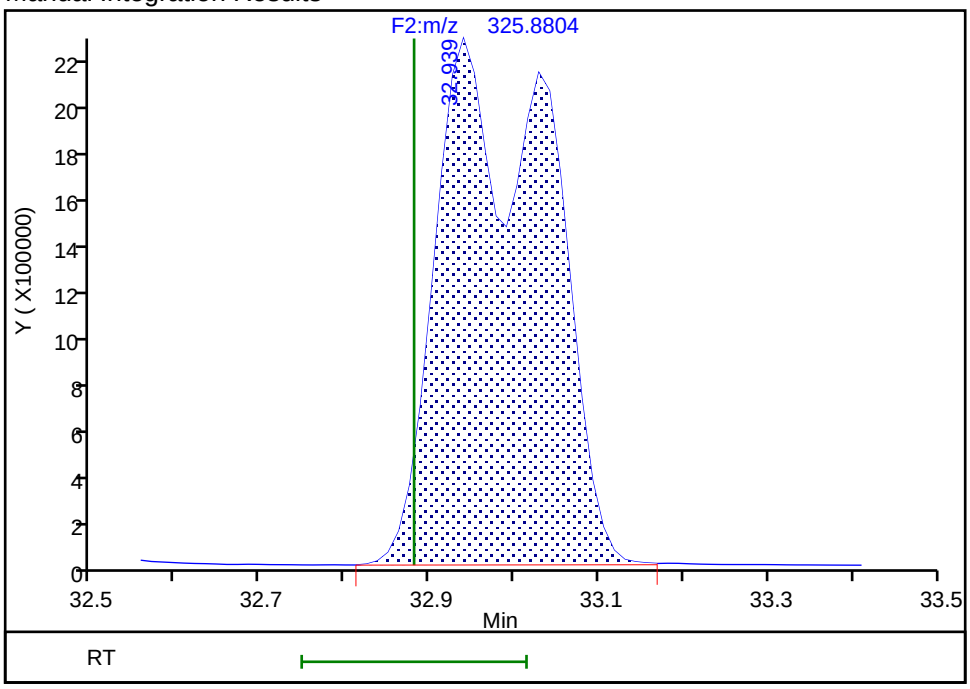
Processing Integration Results

RT: 32.94
Area: 11011018
Amount: 416.8682
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 20436991
Amount: 772.0770
Amount Units: pg/ul



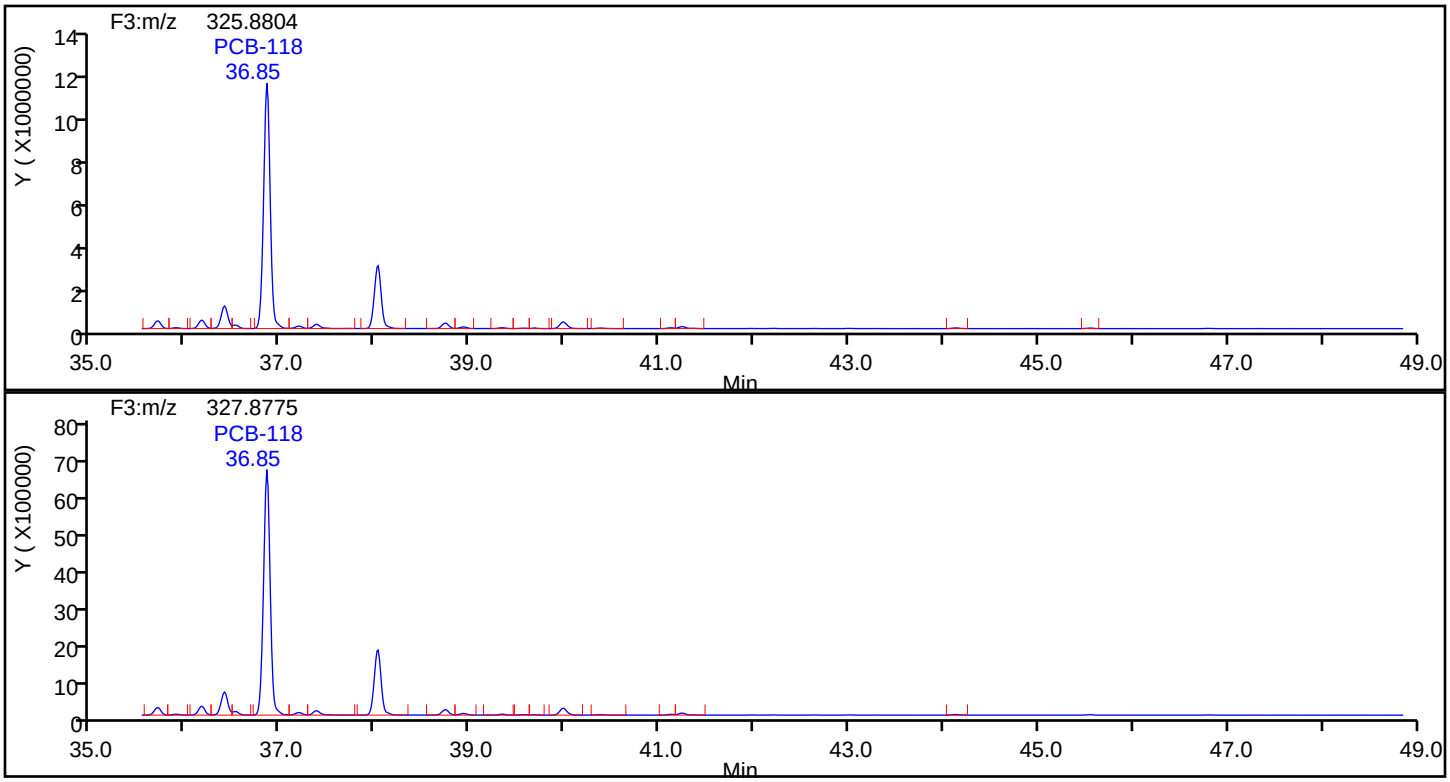

Reviewer: mcwhirterl, 09-Oct-2019 21:12:44

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

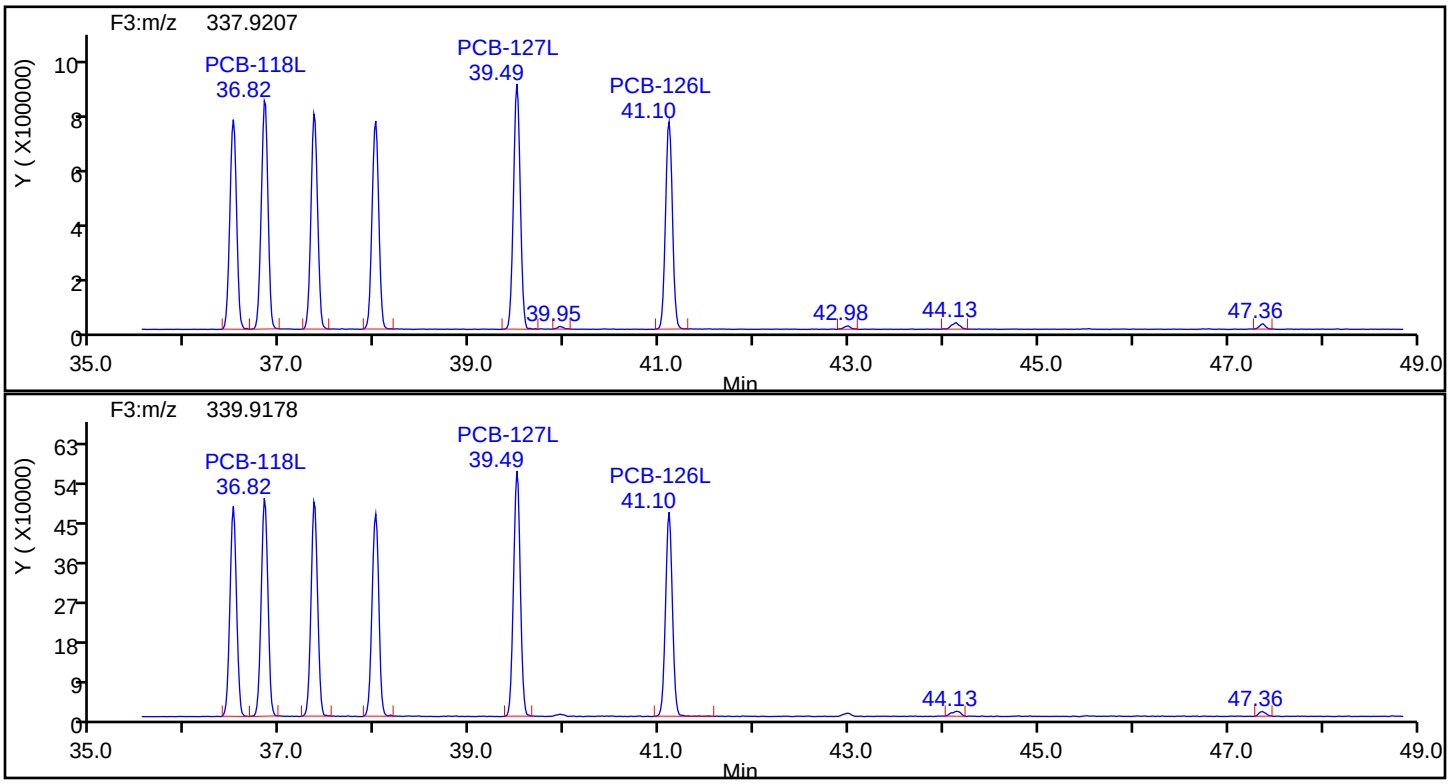
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



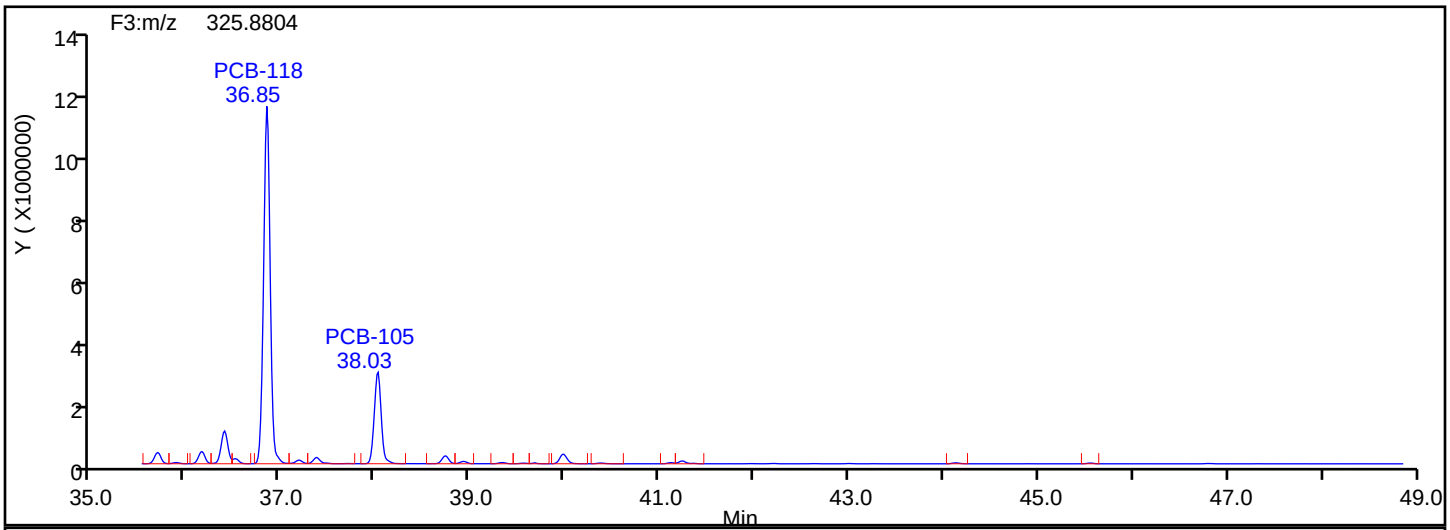

PePCB F3 Standards

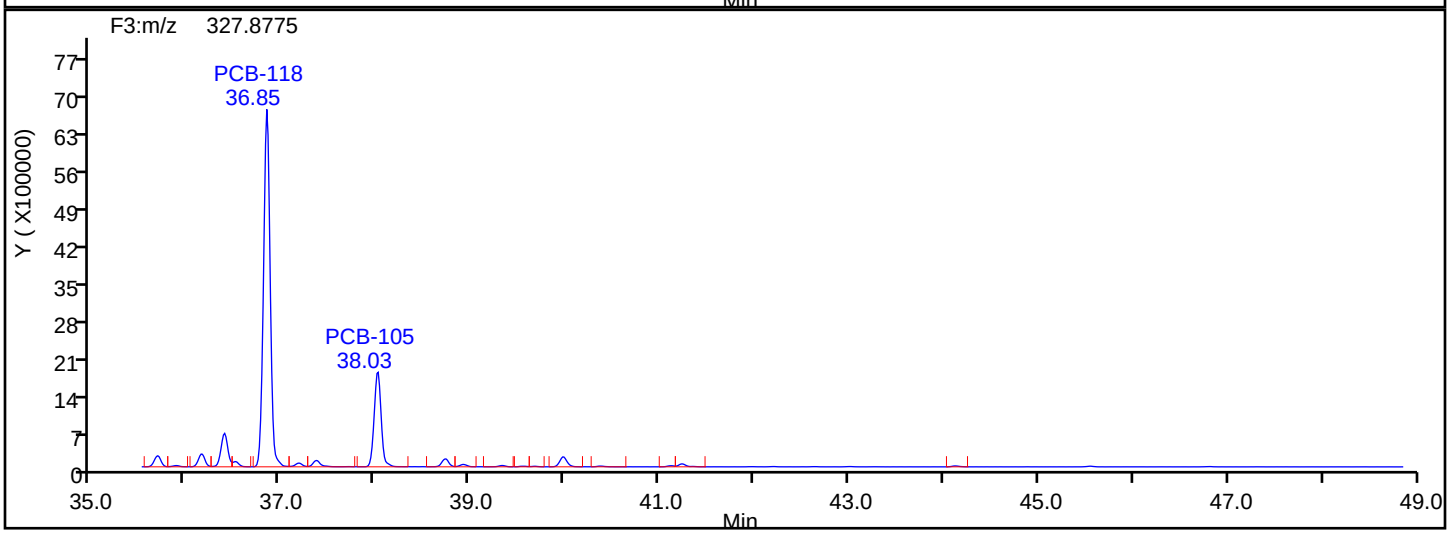


Eurofins TestAmerica, Knoxville

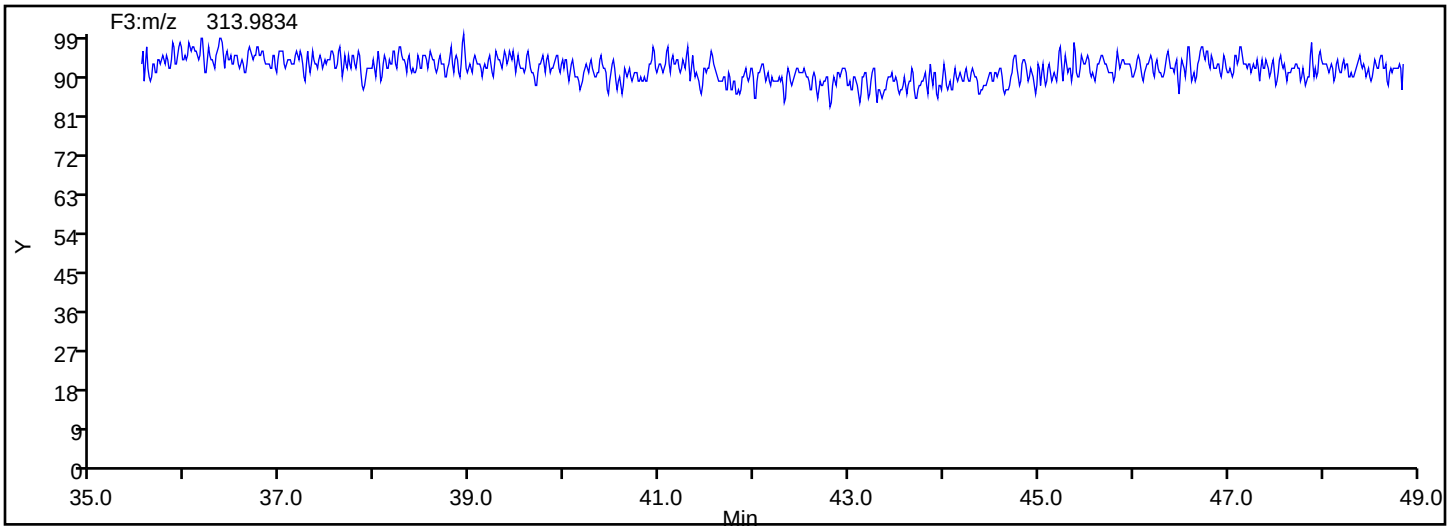
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



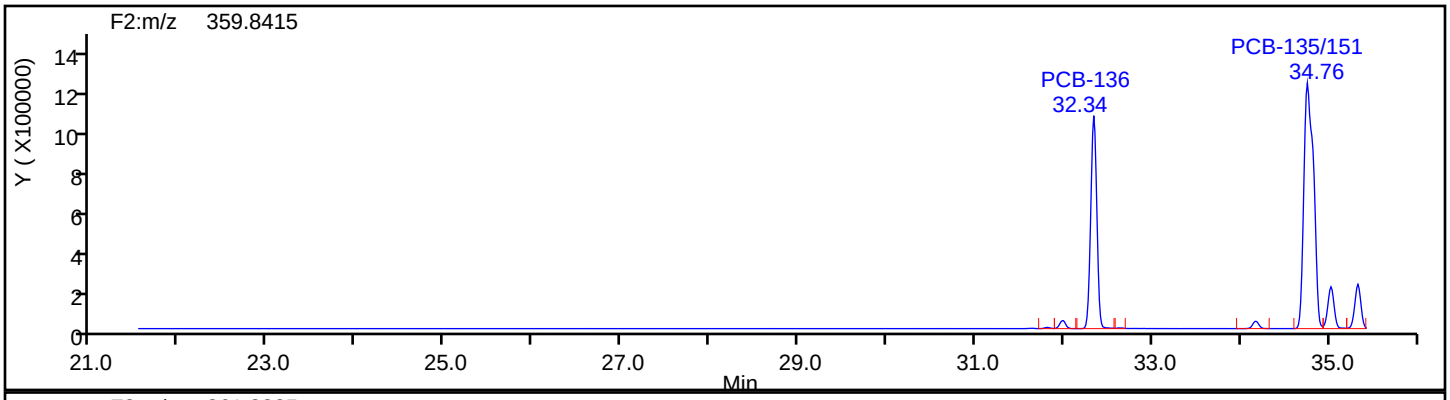

PePCB F3 Lock Mass

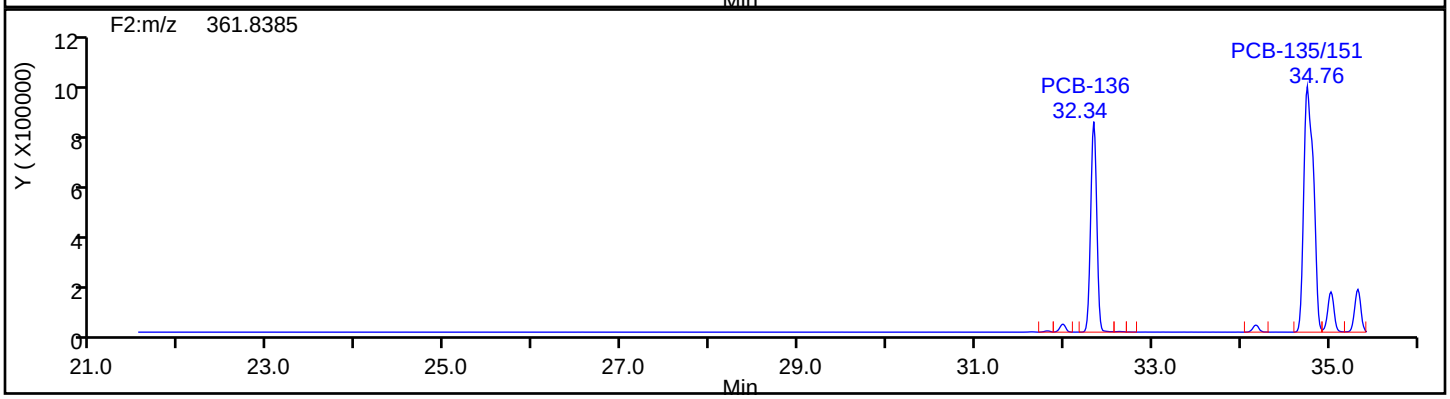


Eurofins TestAmerica, Knoxville

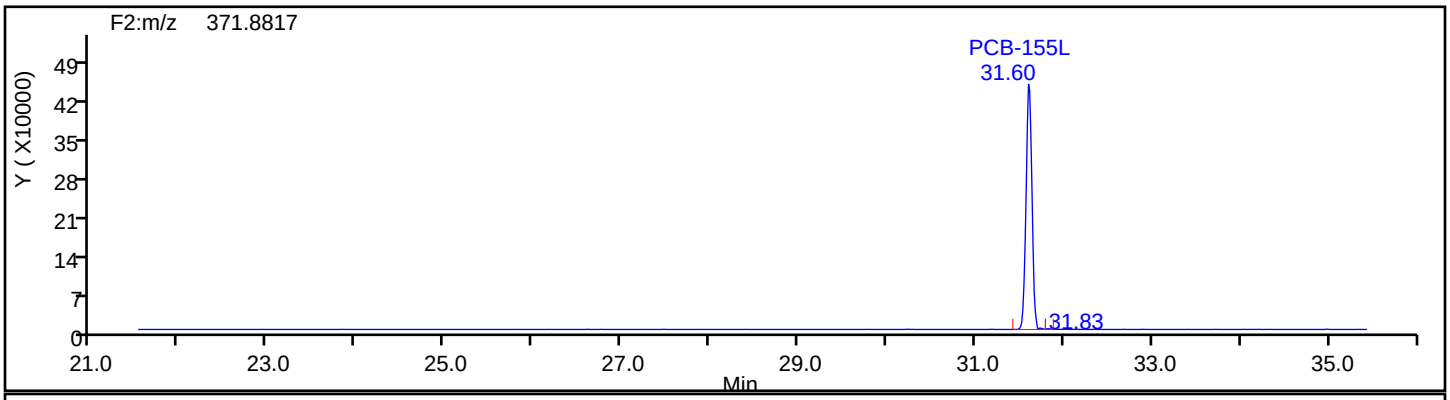
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

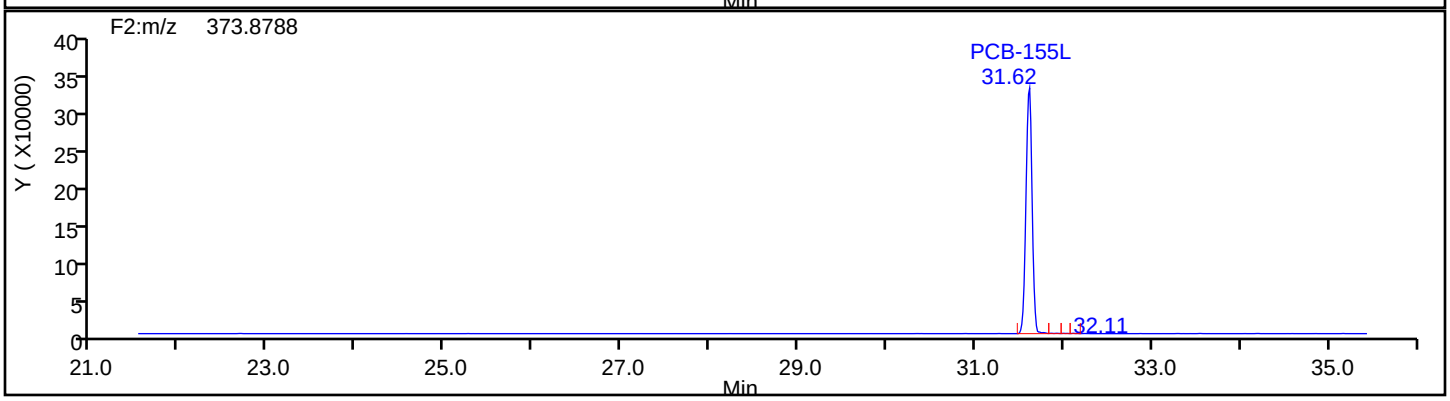
HxPCB F2




HxPCB F2 Standards

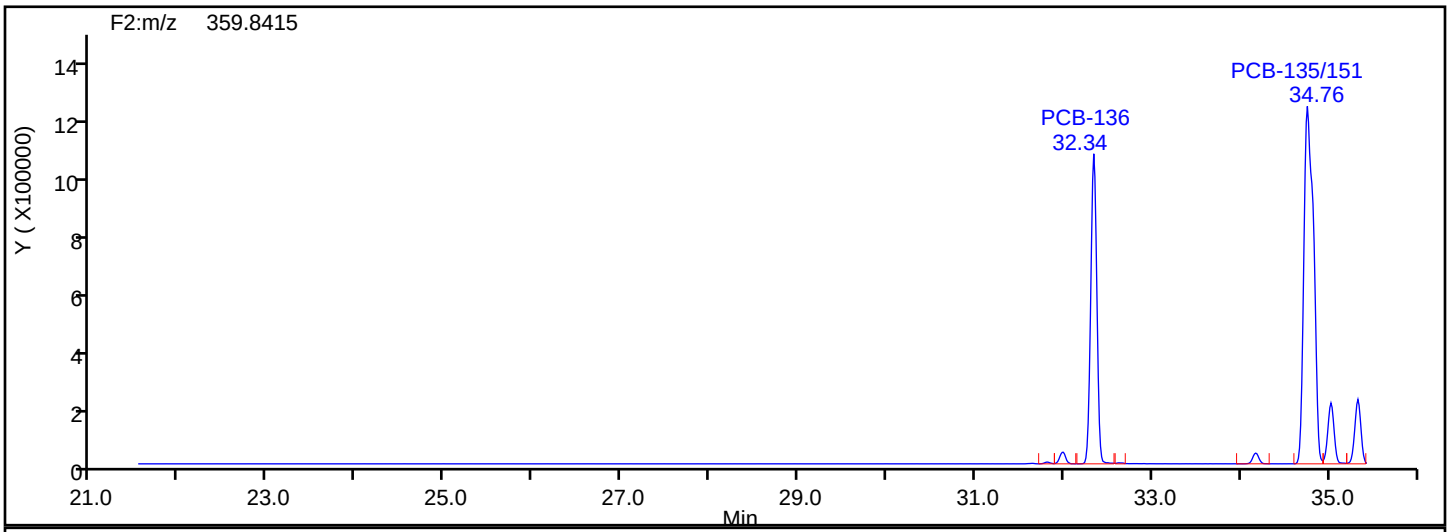


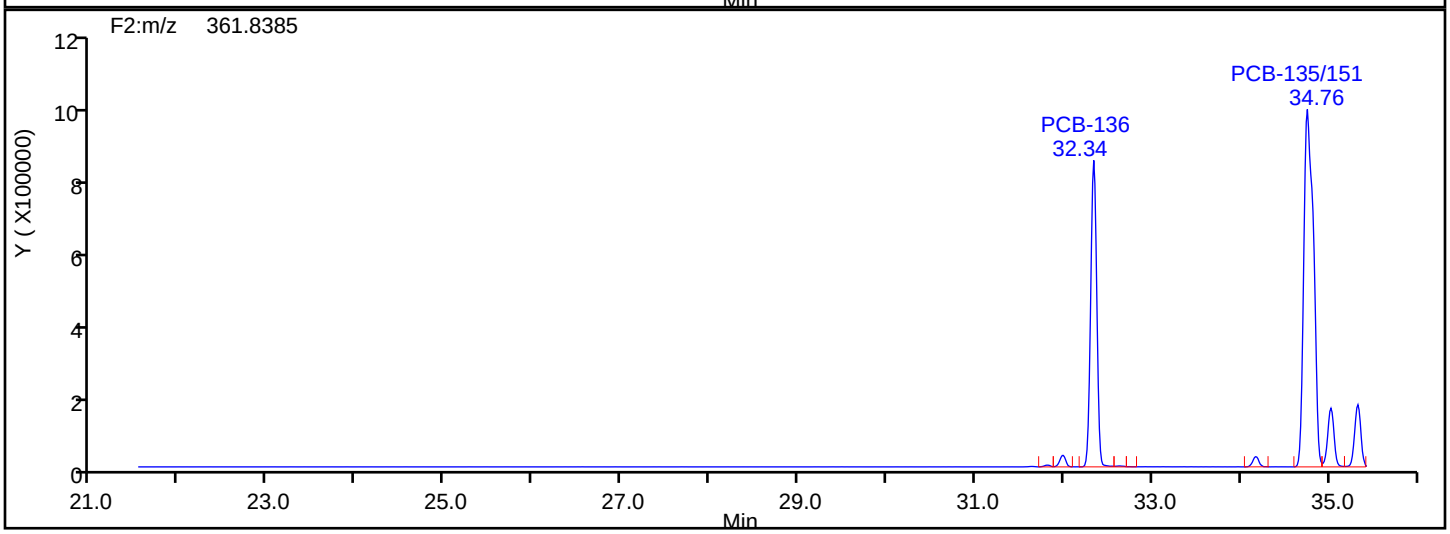



Eurofins TestAmerica, Knoxville

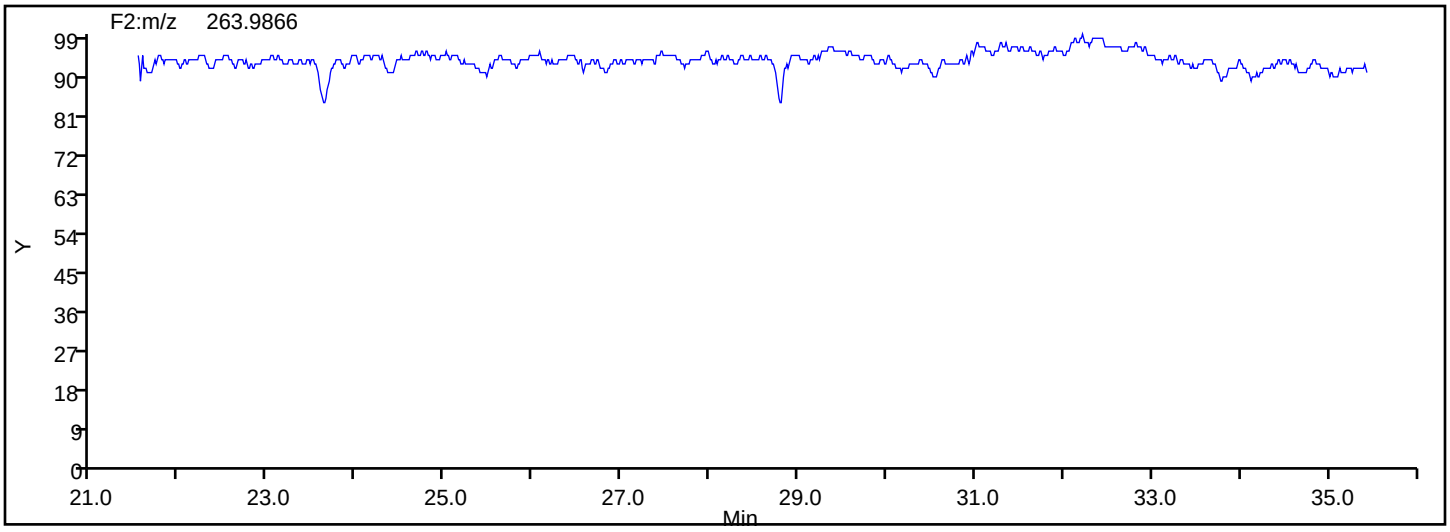
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

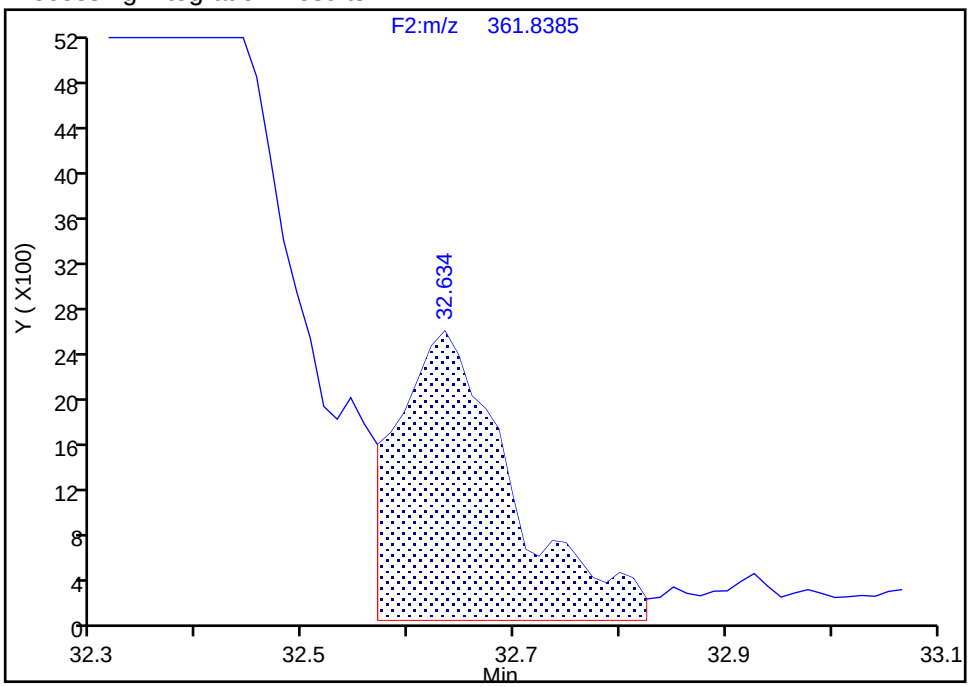
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

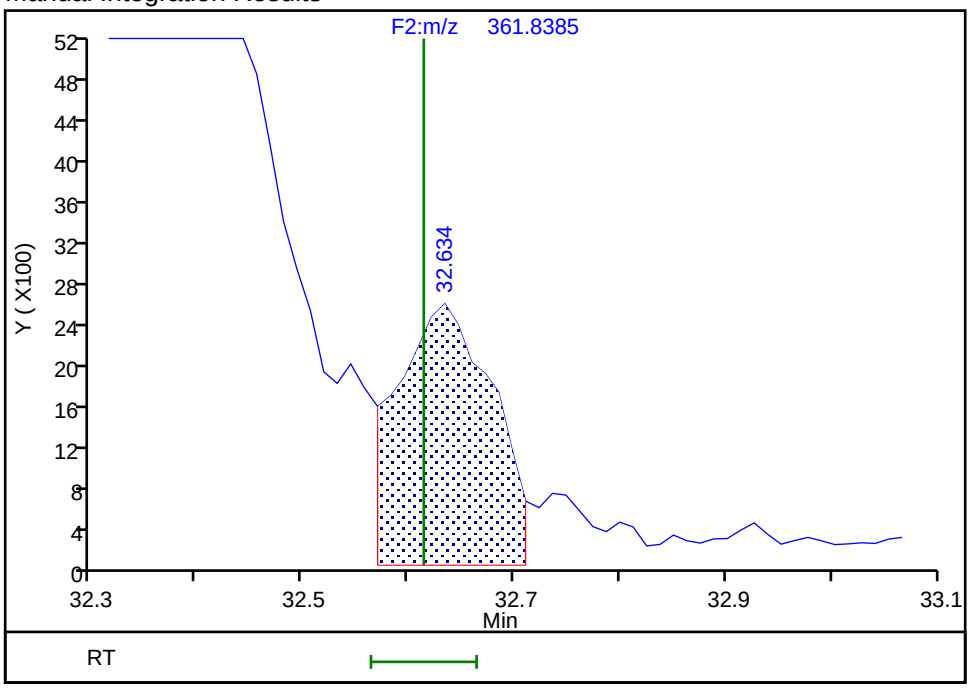
Processing Integration Results

RT: 32.63
Area: 19188
Amount: 0.665212
Amount Units: pg/ul




Manual Integration Results

RT: 32.63
Area: 15832
Amount: 0.770868
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:14:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

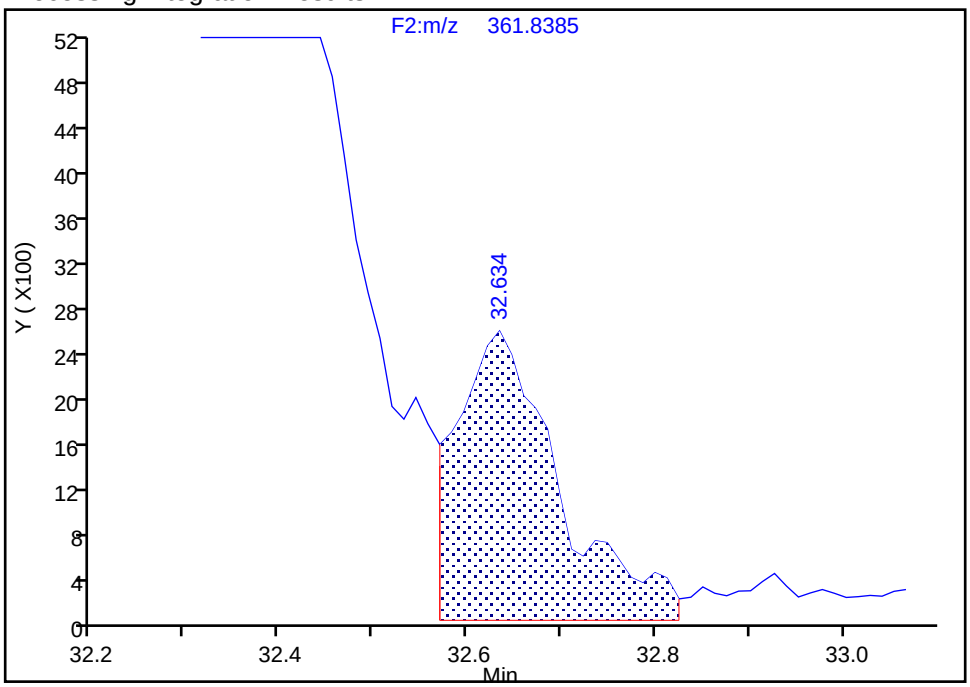
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 3

Processing Integration Results

RT: 32.62
Area: 29056
Amount: 0.665212
Amount Units: pg/ul




Manual Integration Results

RT: 32.62
Area: 33671
Amount: 0.770868
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:14:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

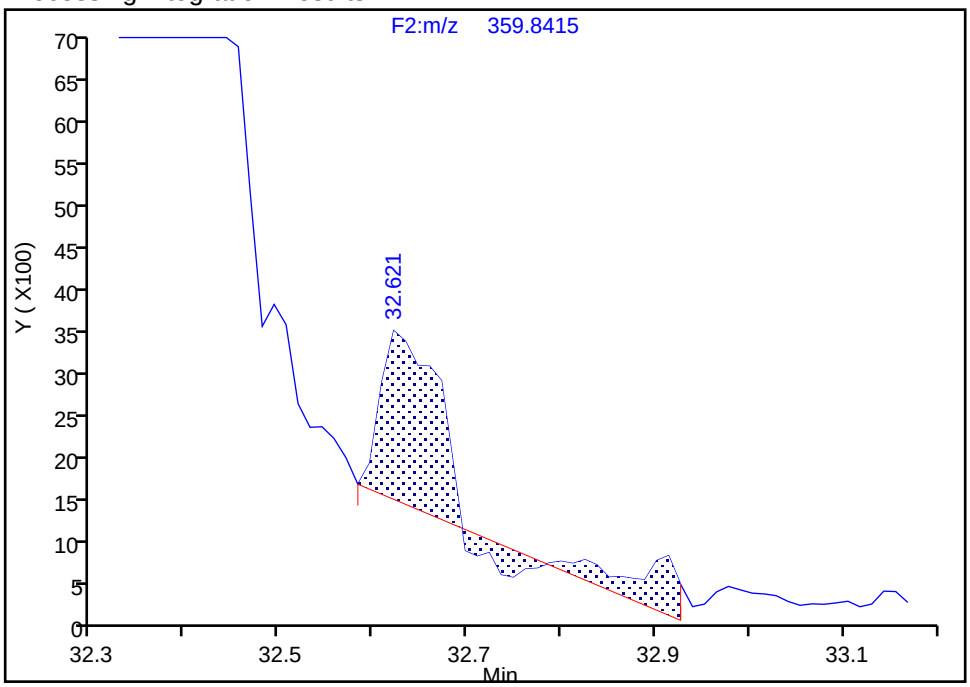
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

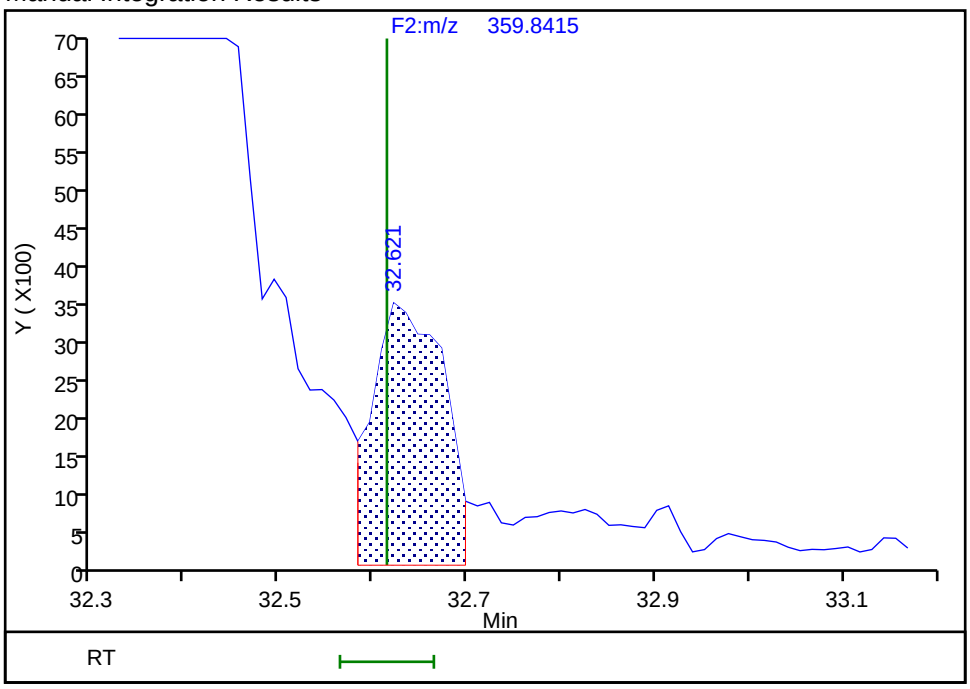
Processing Integration Results

RT: 32.62
Area: 9868
Amount: 0.665212
Amount Units: pg/ul




Manual Integration Results

RT: 32.62
Area: 17839
Amount: 0.770868
Amount Units: pg/ul



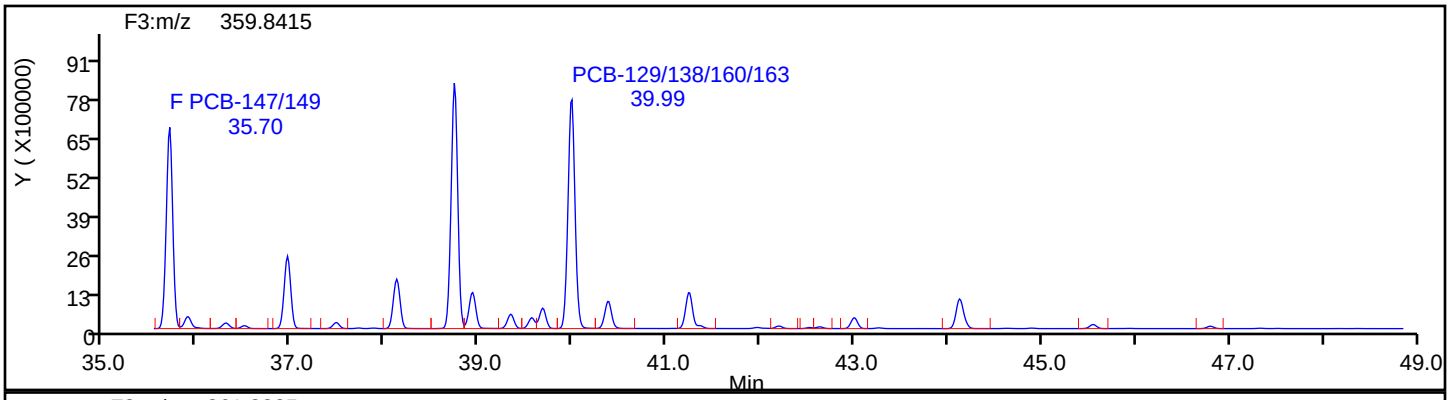

Reviewer: mcwhirterl, 09-Oct-2019 21:14:22

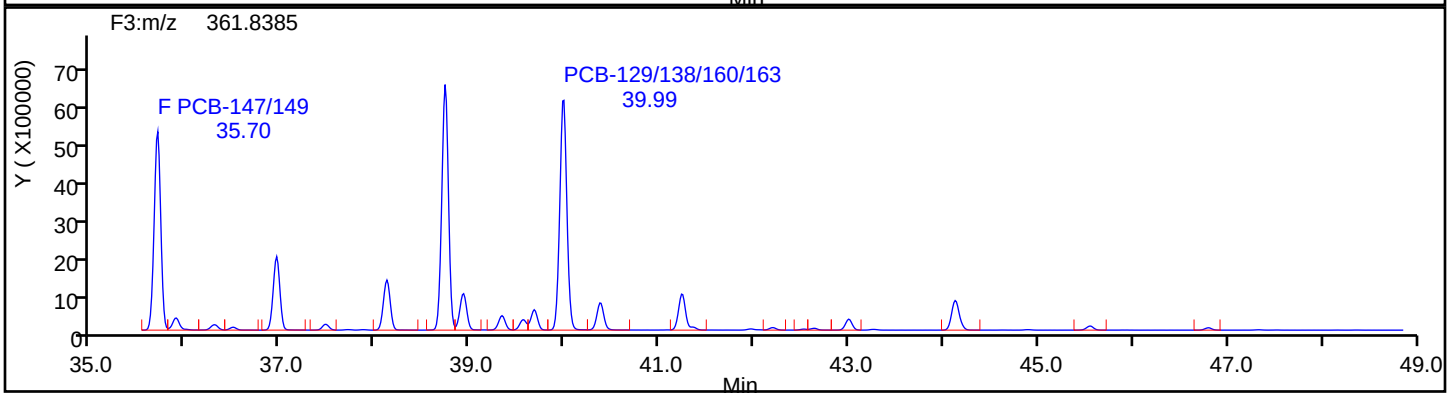
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

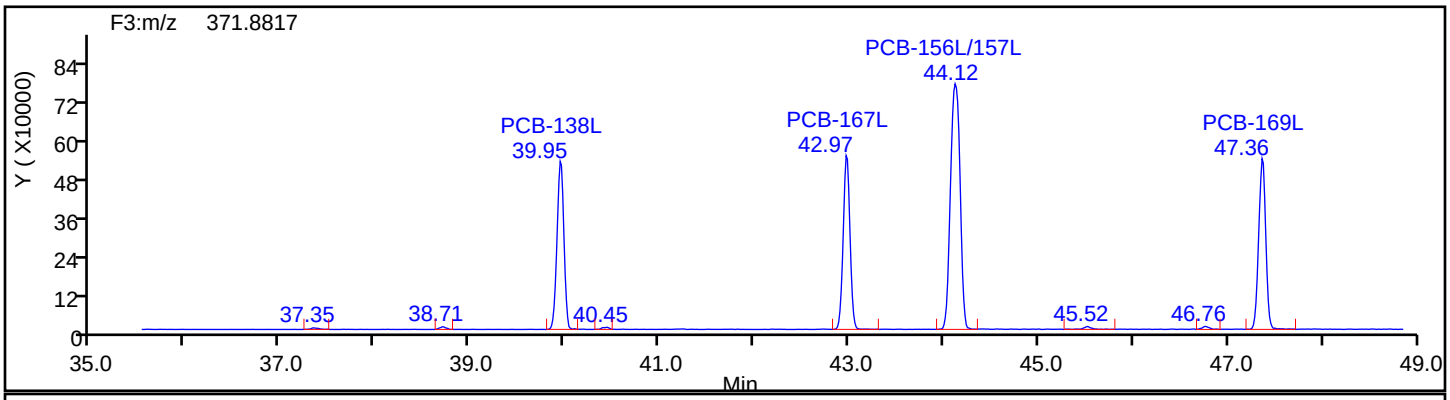
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

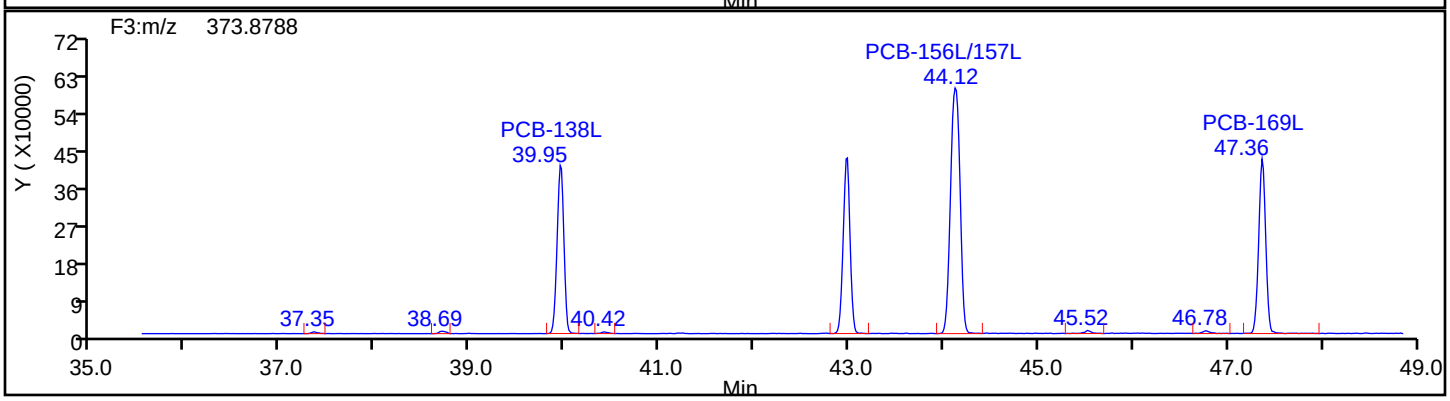
HxPCB F3




HxPCB F3 Standards

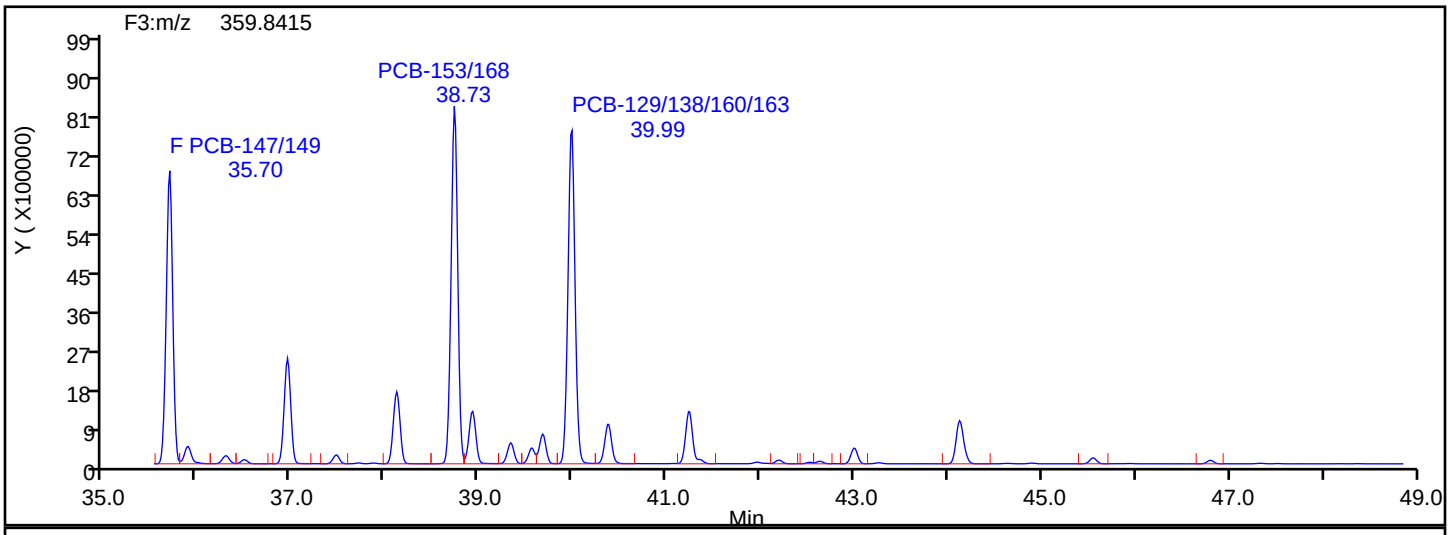


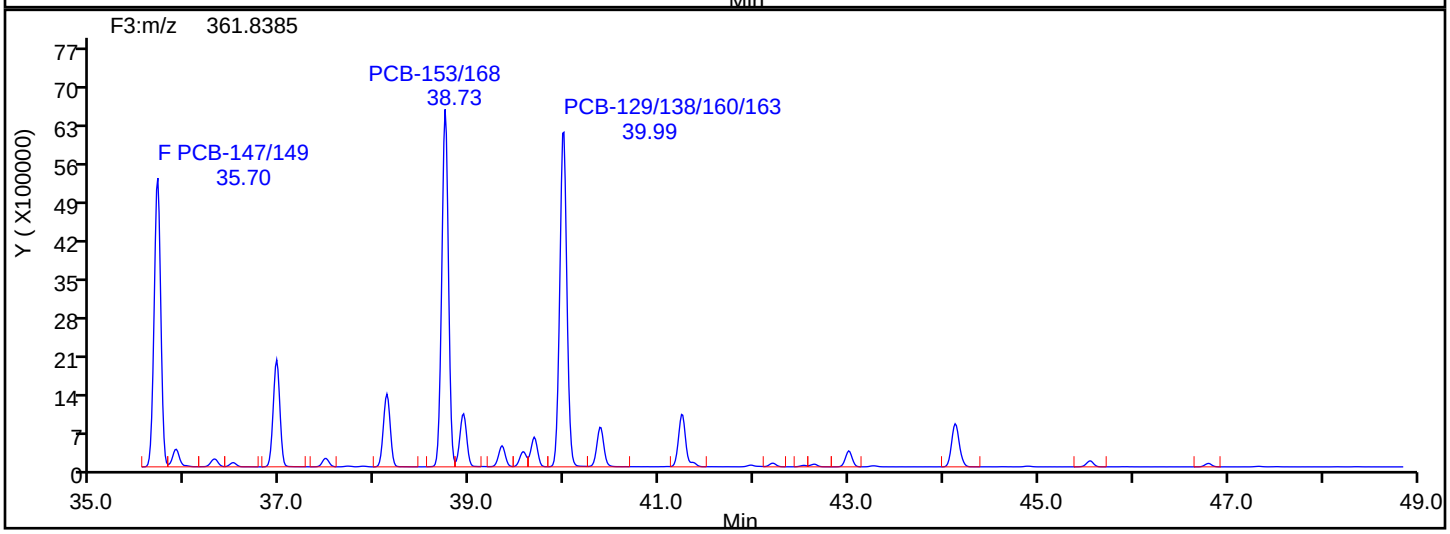



Eurofins TestAmerica, Knoxville

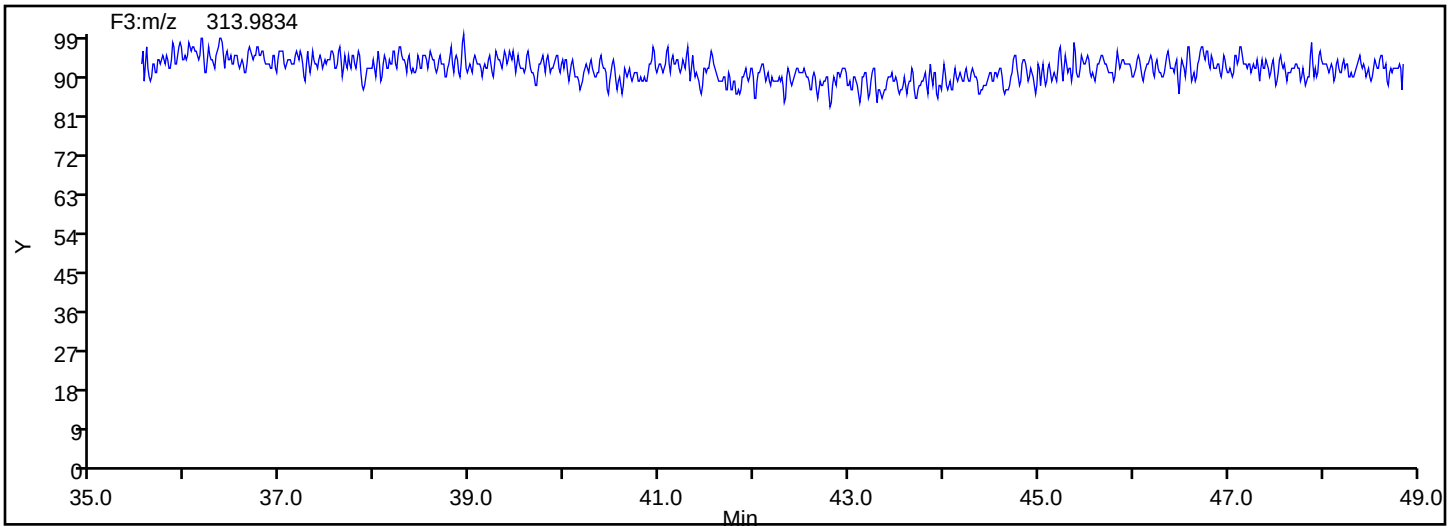
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

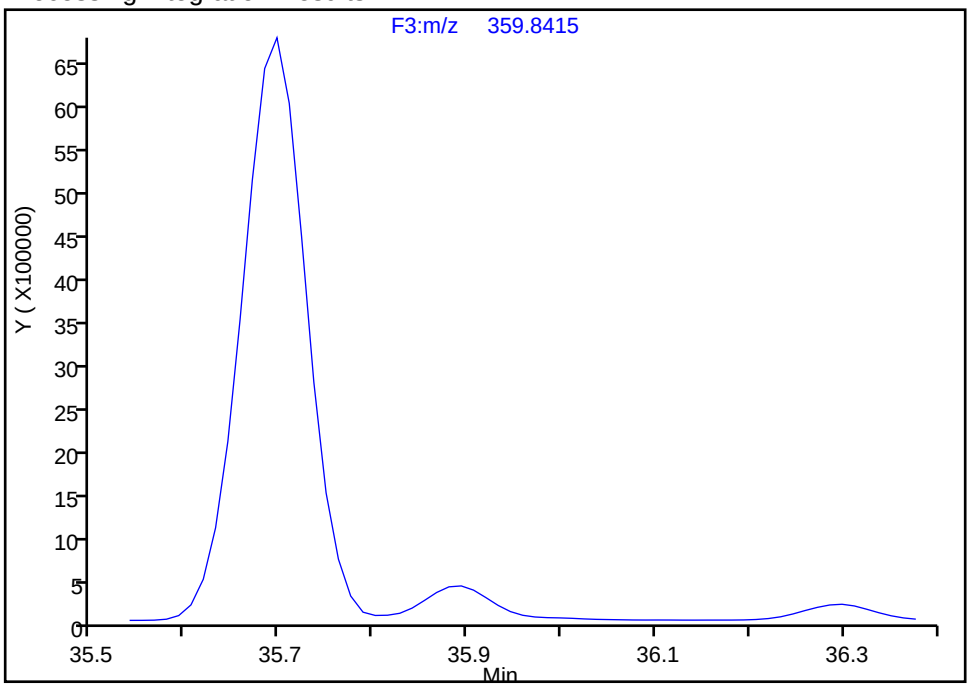
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

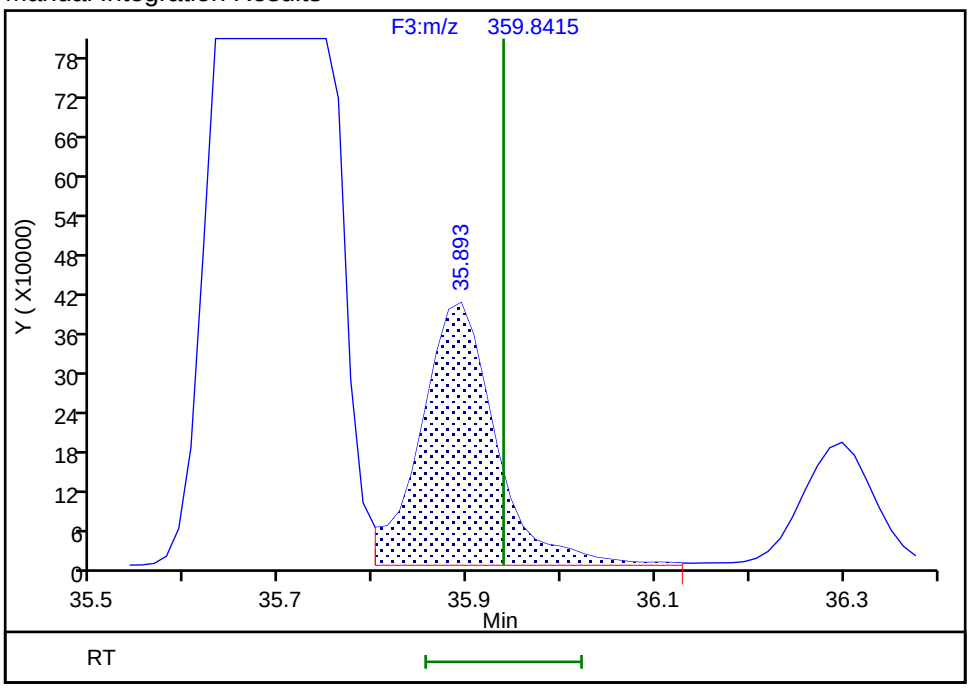
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.89
Area: 2208767
Amount: 95.652939
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:14:31
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

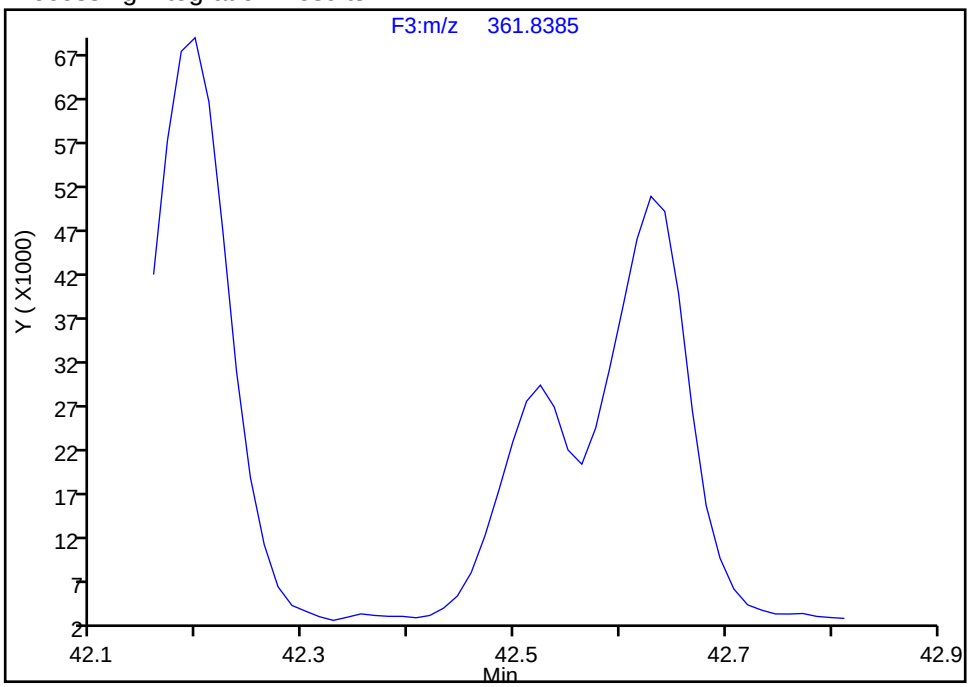
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

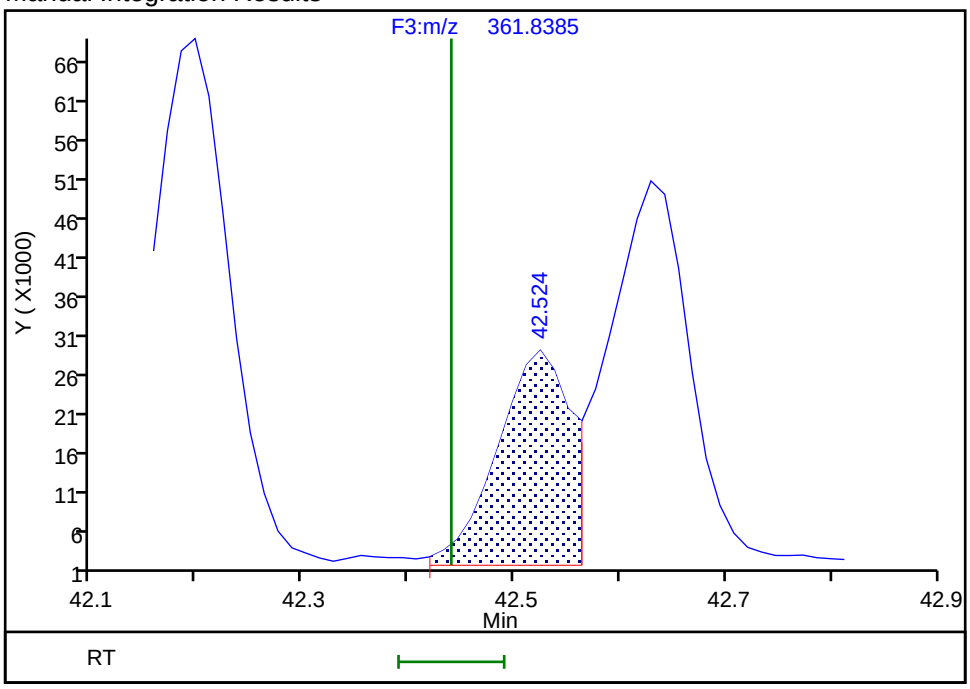
Not Detected
Expected RT: 42.44

Processing Integration Results




Manual Integration Results

RT: 42.52
Area: 129613
Amount: 4.361169
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:15:08
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

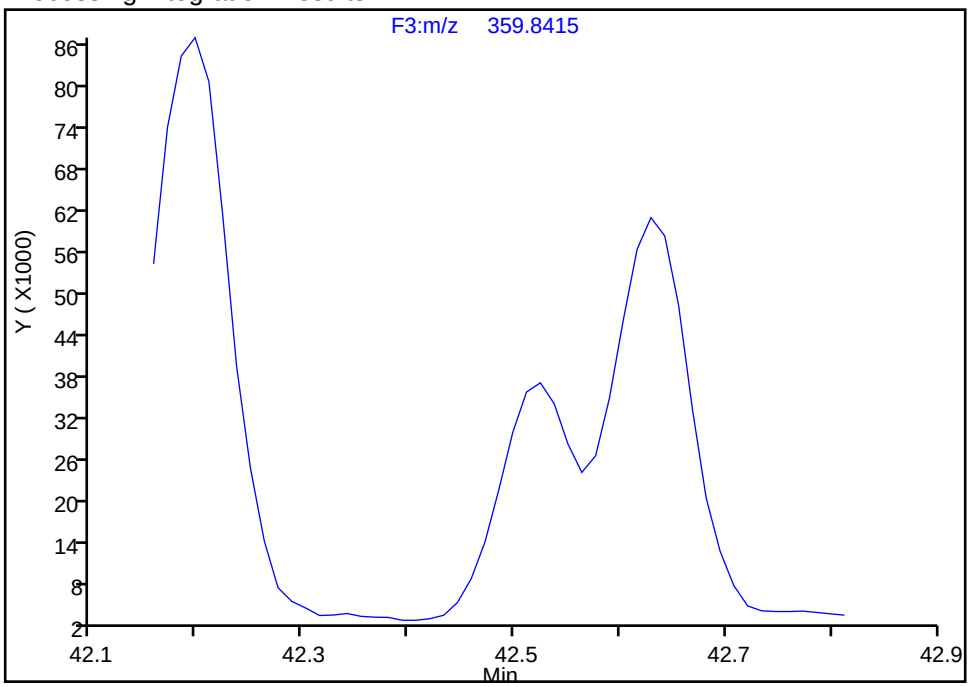
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

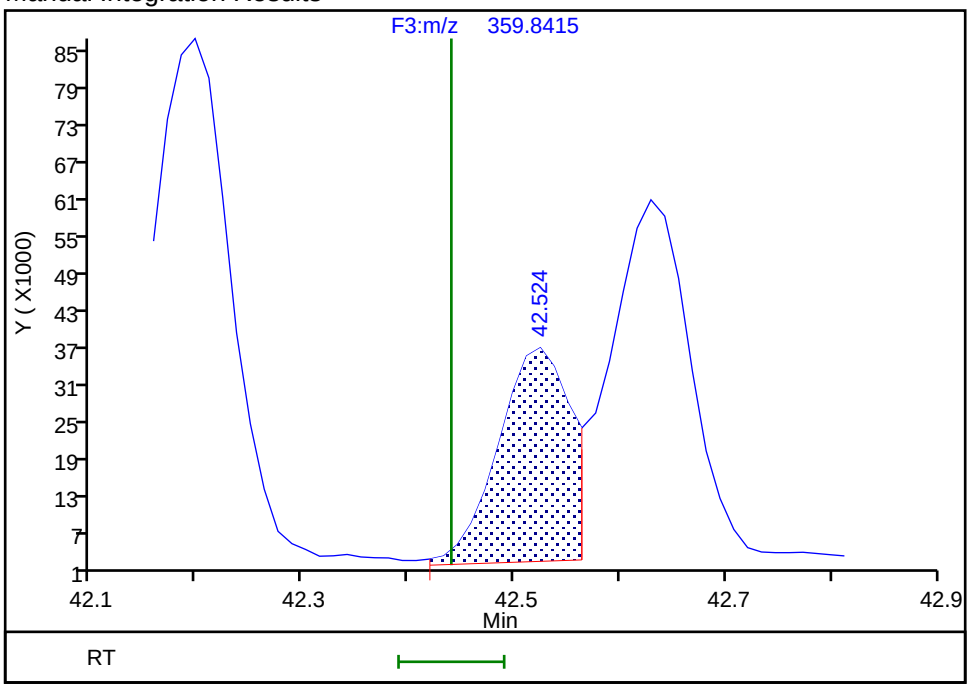
Not Detected
Expected RT: 42.44

Processing Integration Results




Manual Integration Results

RT: 42.52
Area: 160217
Amount: 4.361169
Amount Units: pg/ul

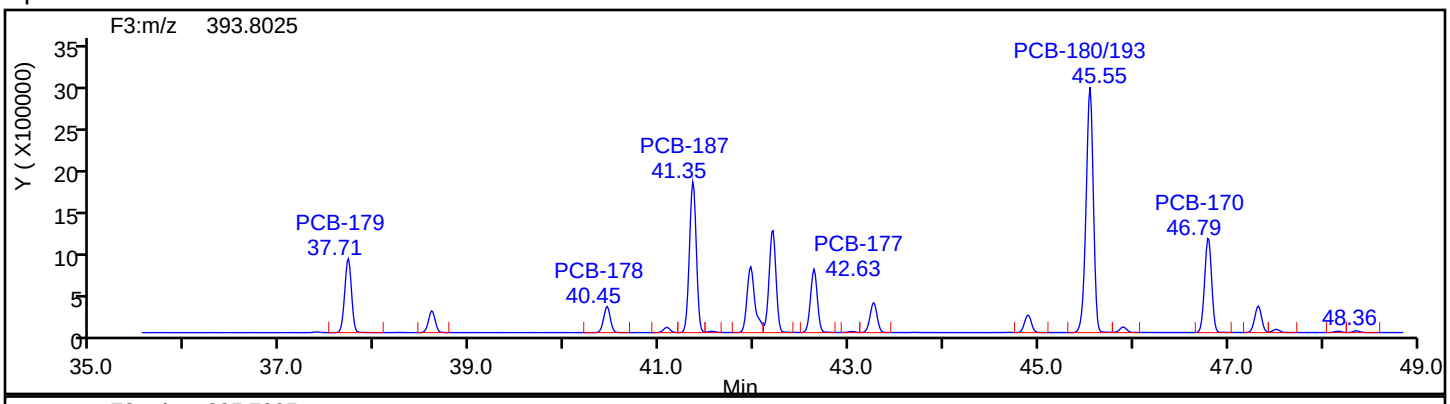


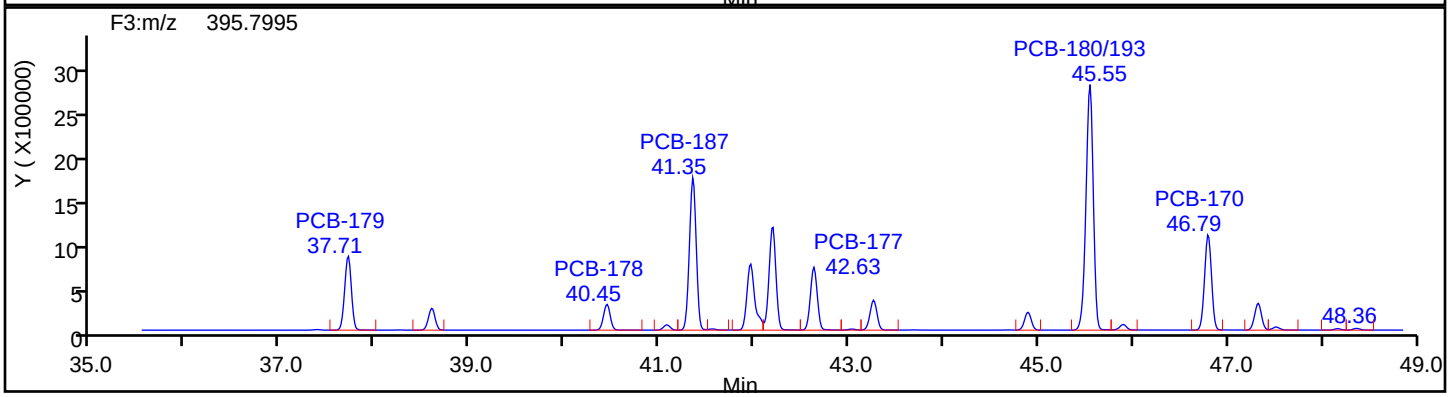

Reviewer: mcwhirterl, 09-Oct-2019 21:15:12
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Eurofins TestAmerica, Knoxville

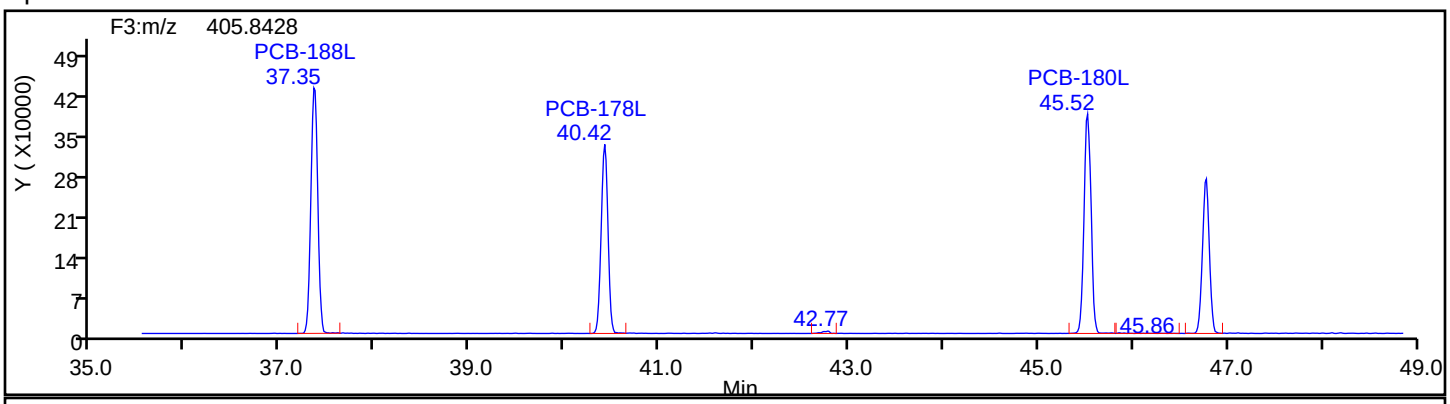
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

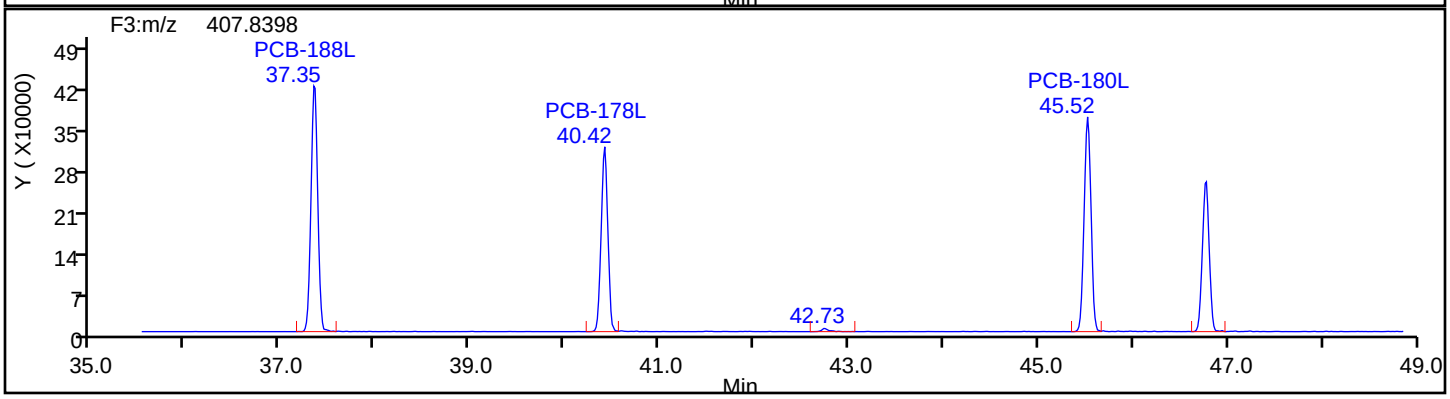
HpPCB F3




HpPCB F3 Standards

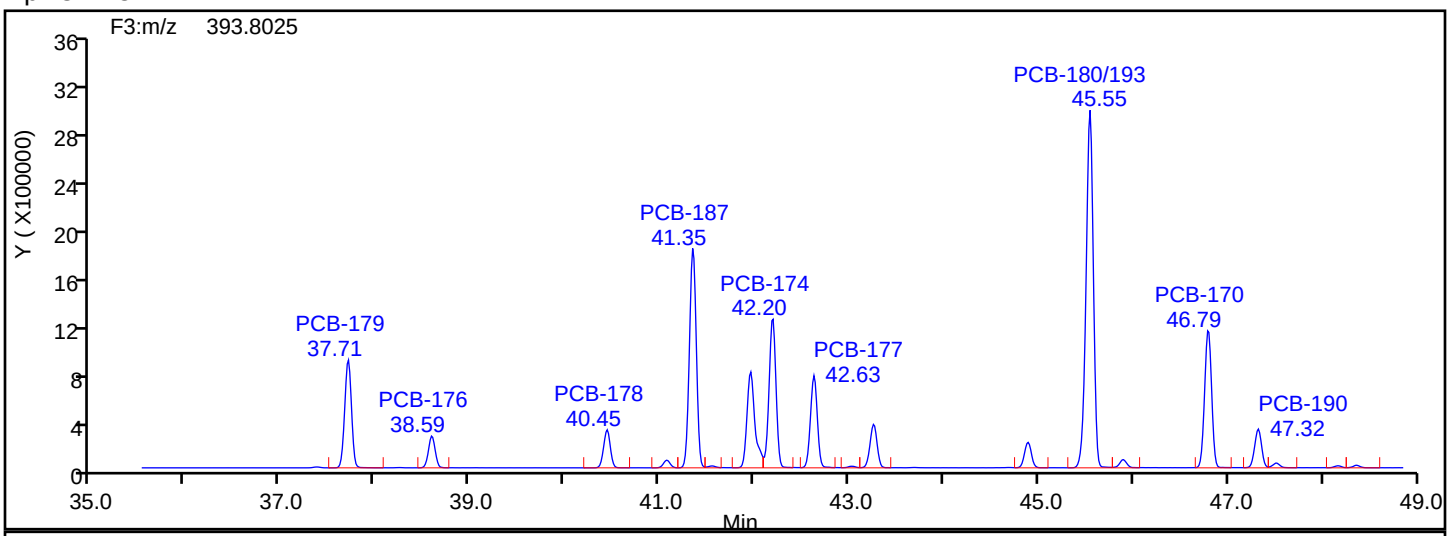


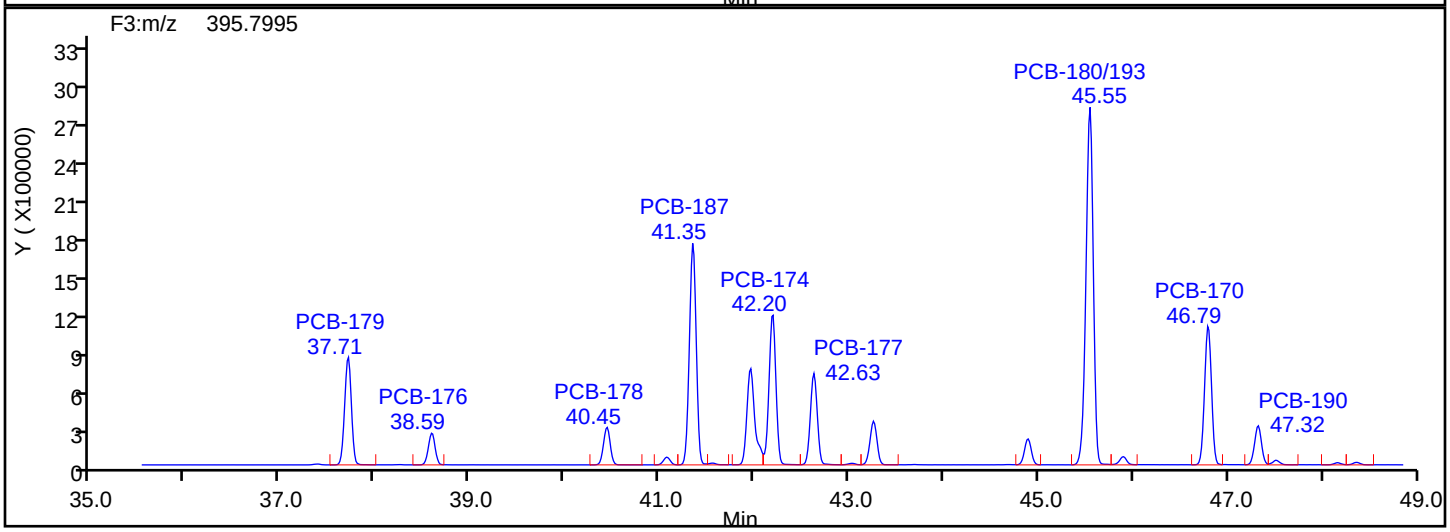



Eurofins TestAmerica, Knoxville

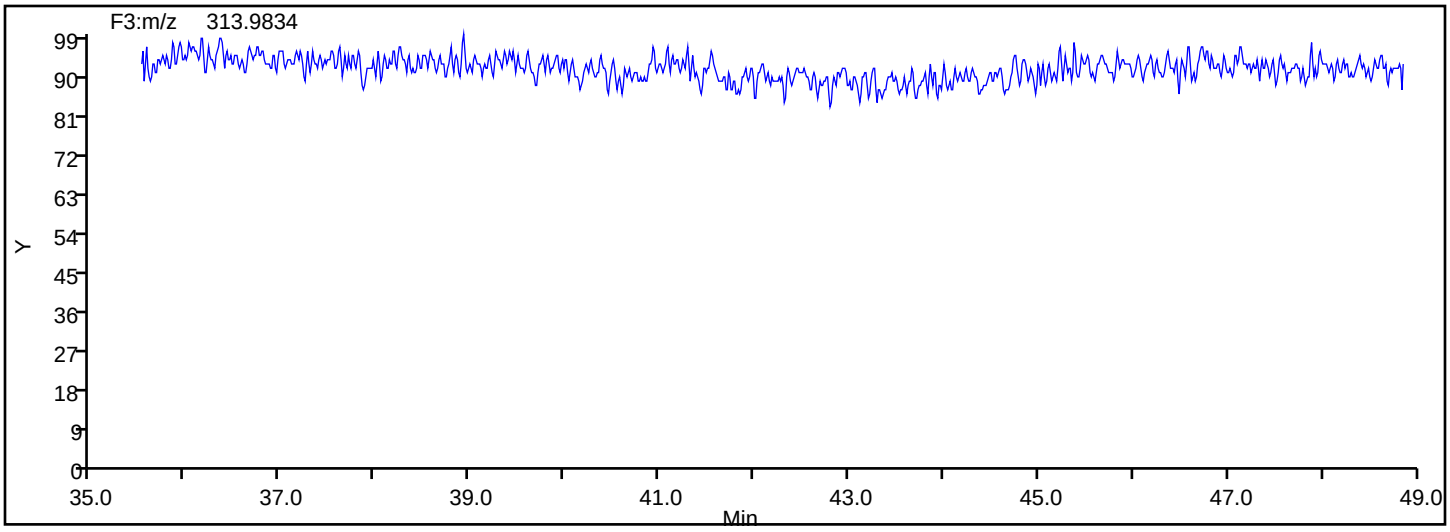
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass

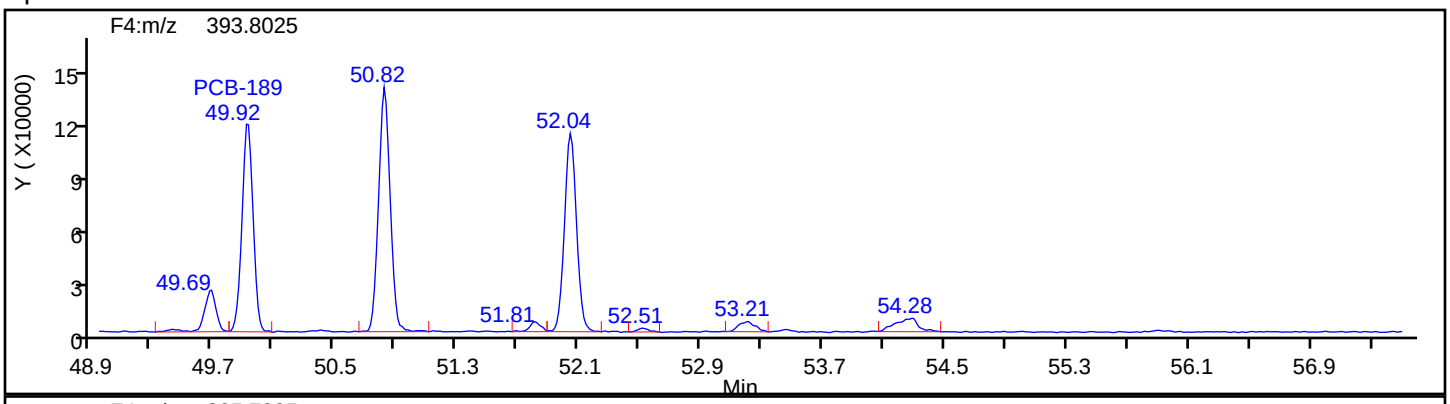


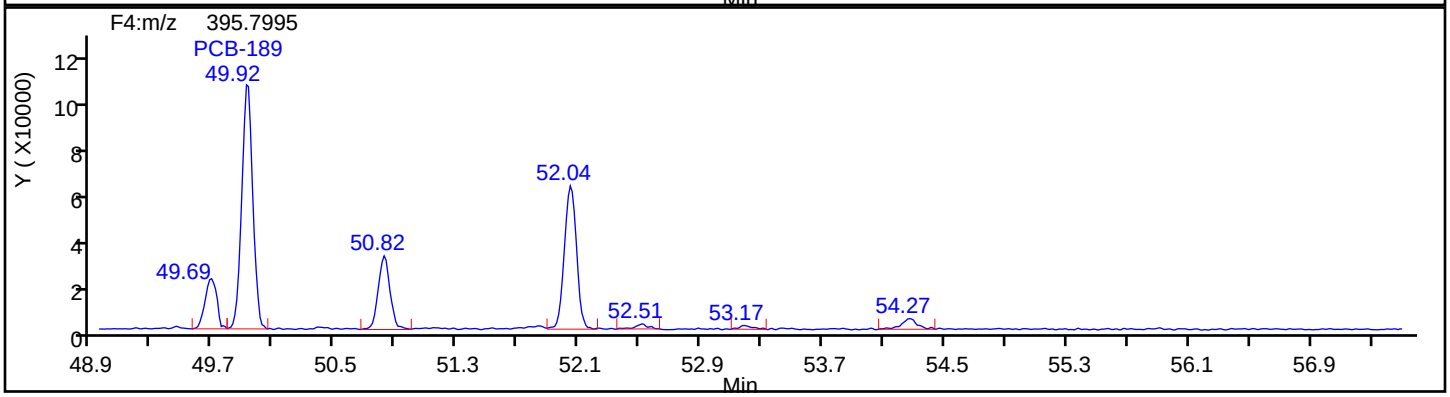
Report Date: 09-Oct-2019 21:25:39 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

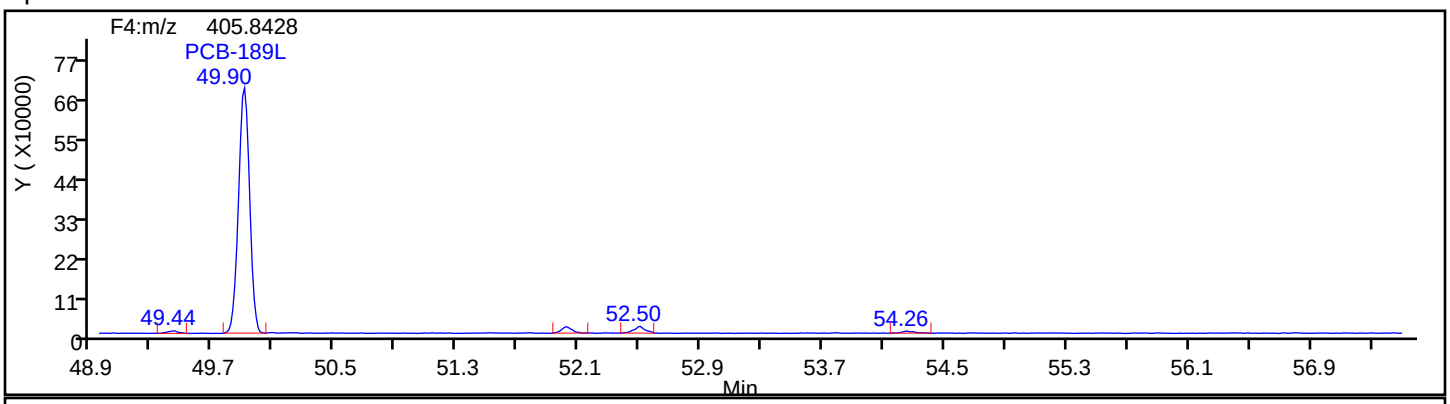
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

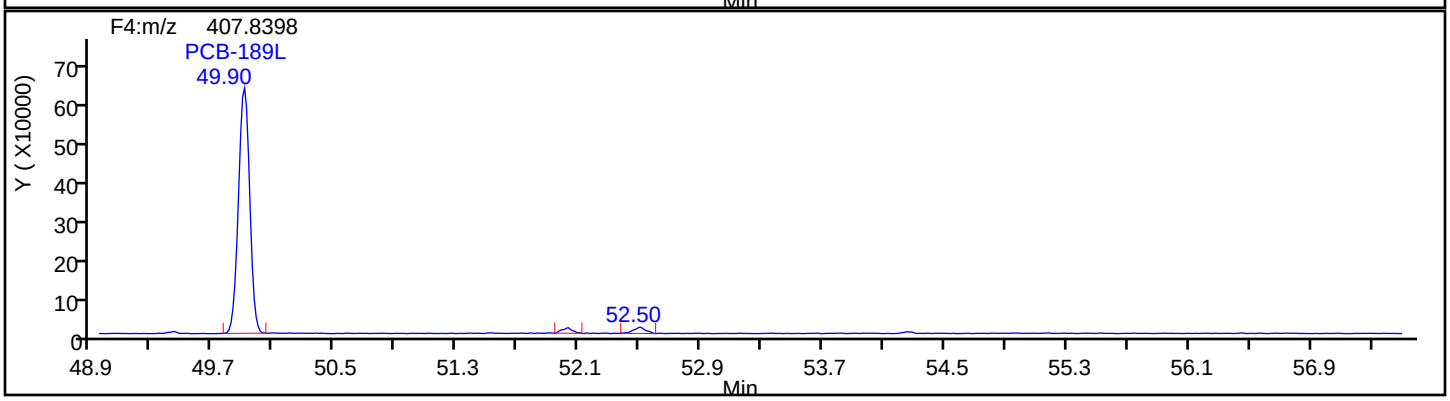
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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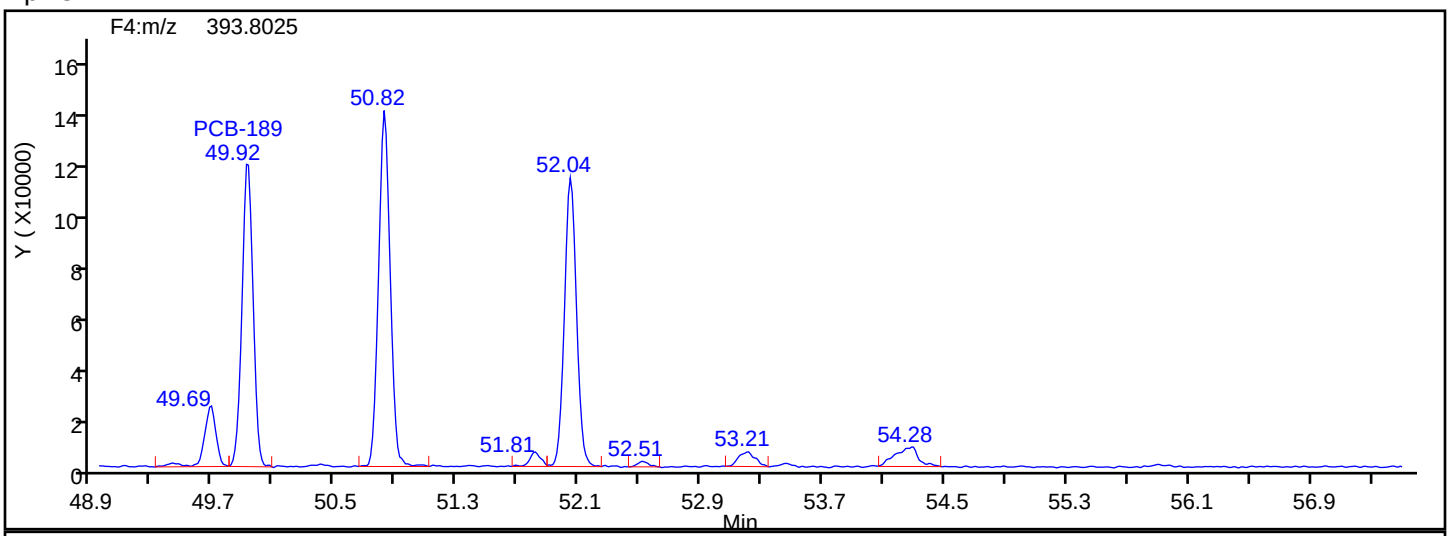
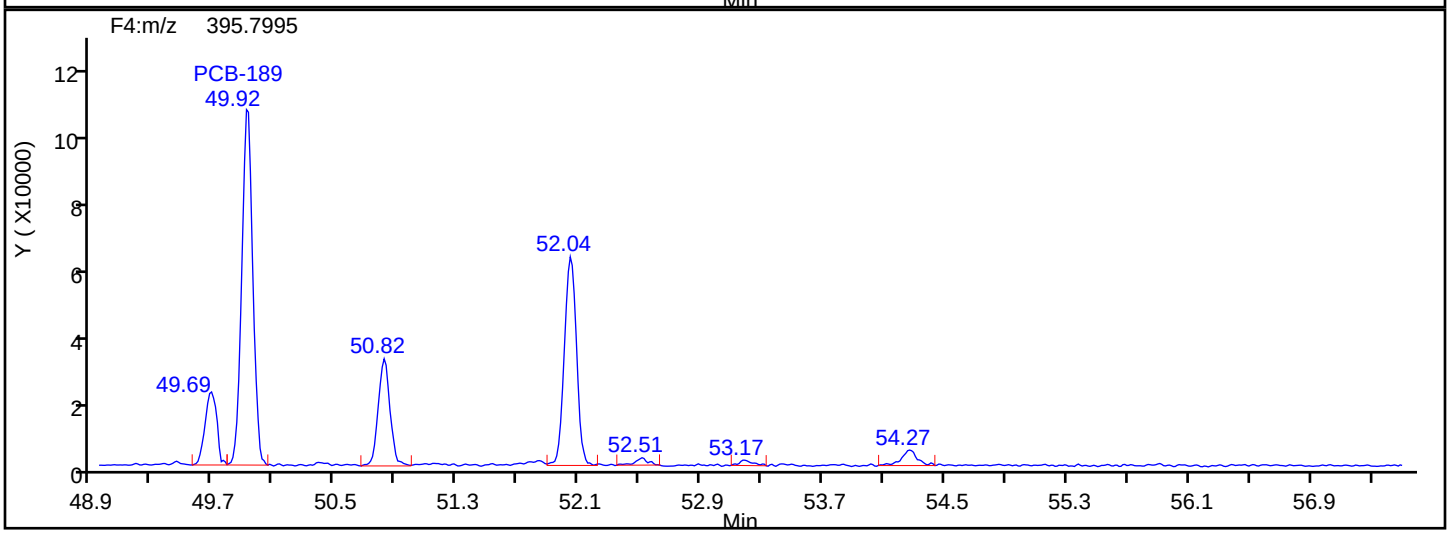
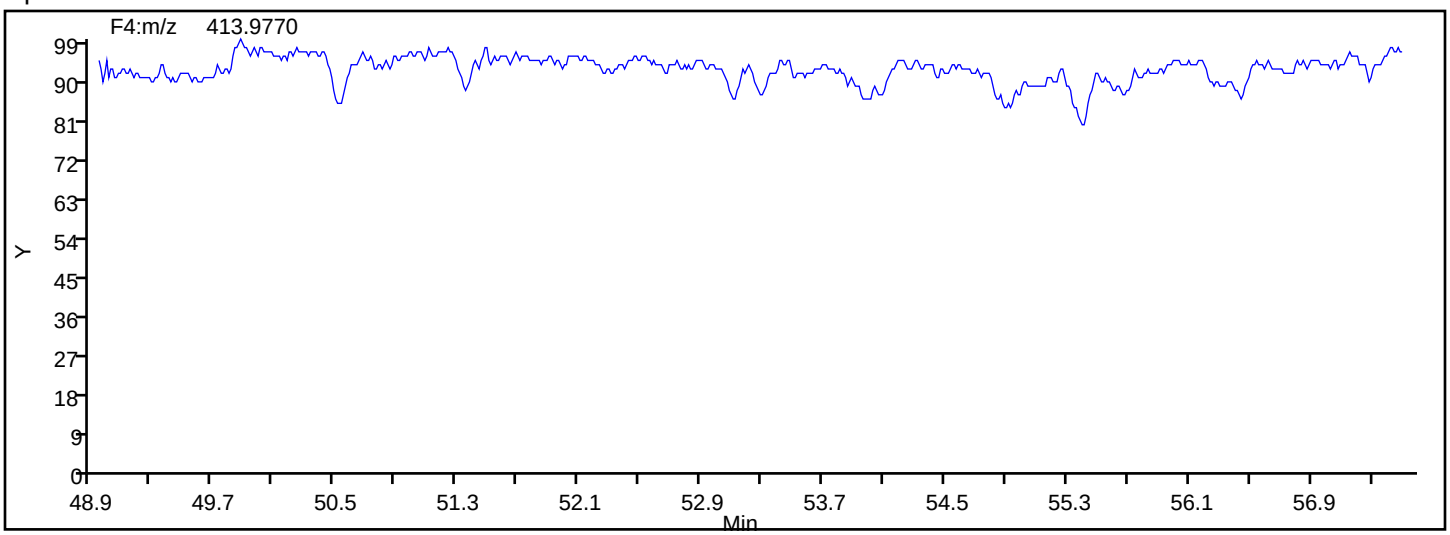
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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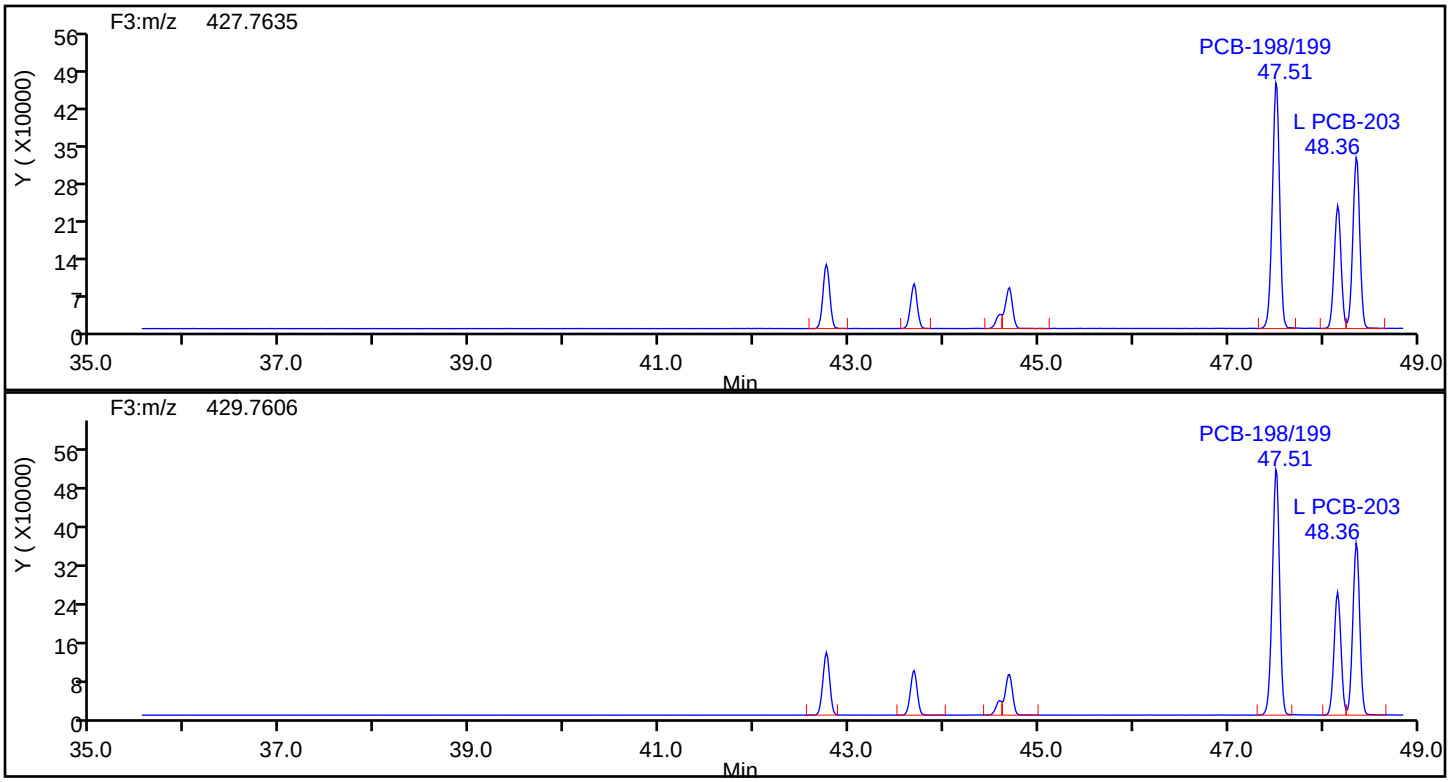
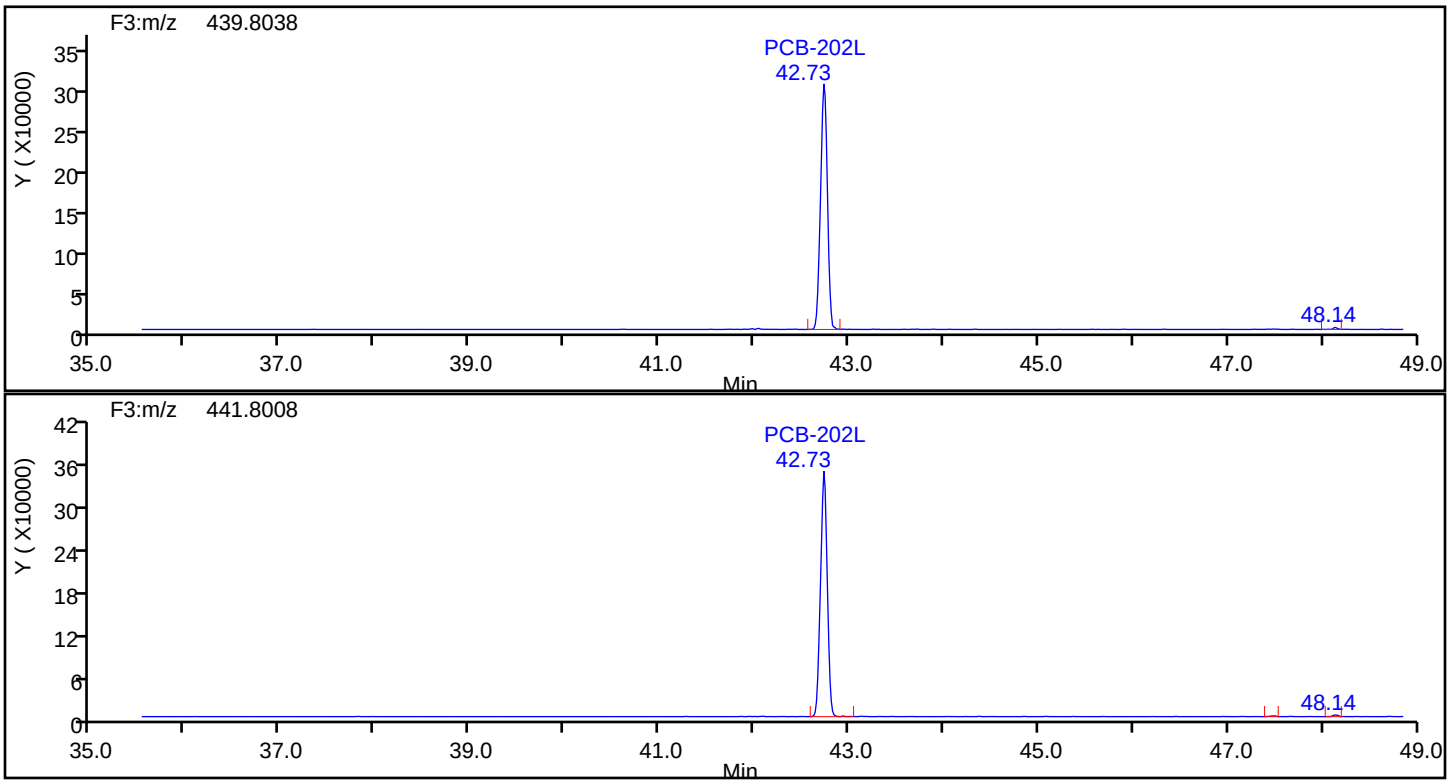
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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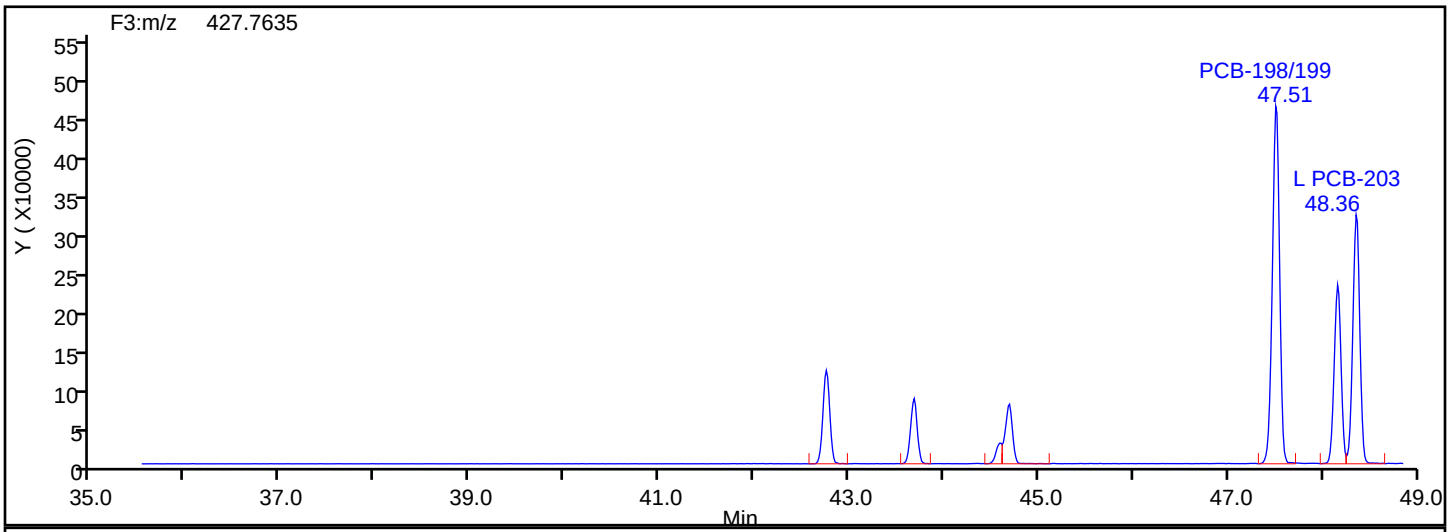
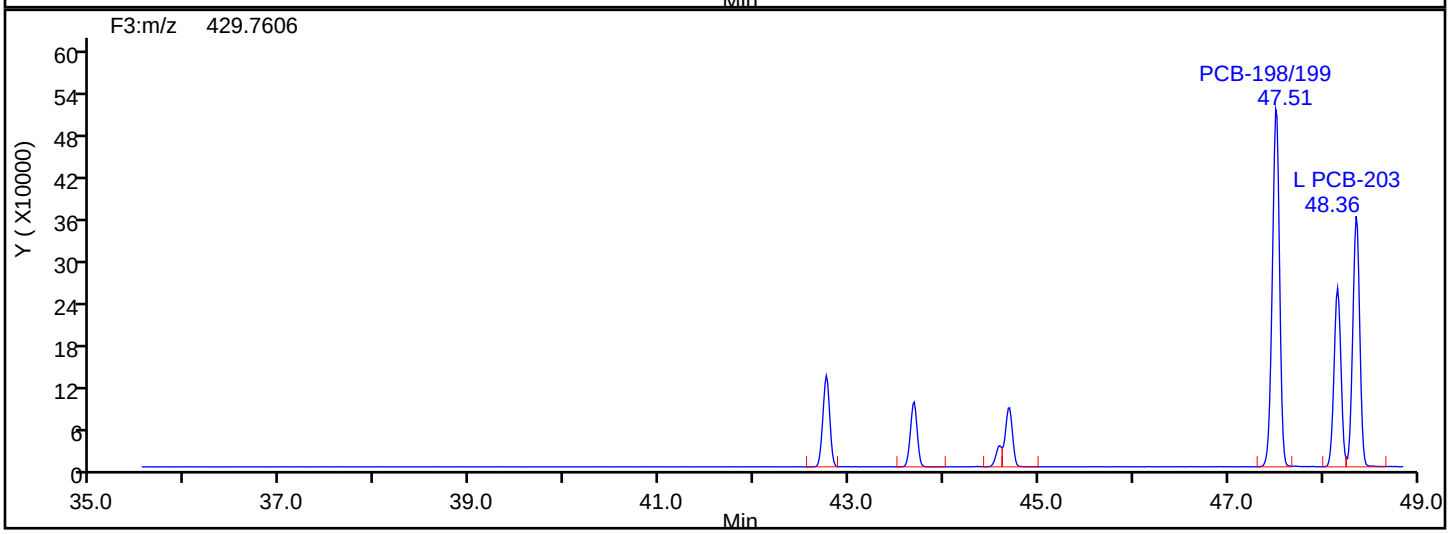
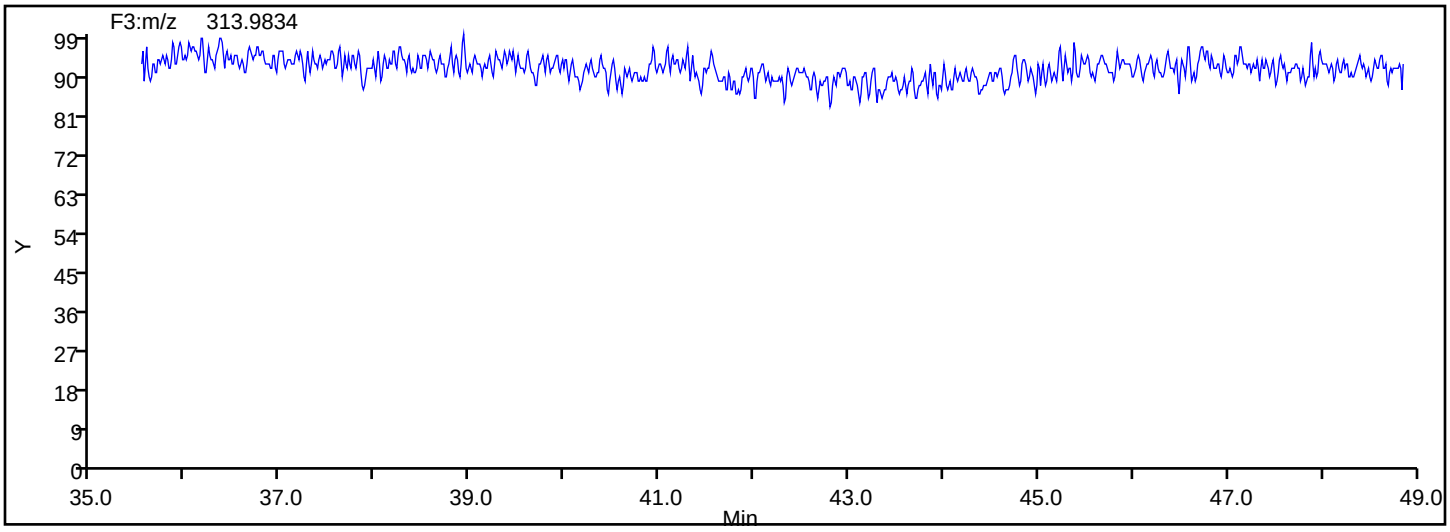
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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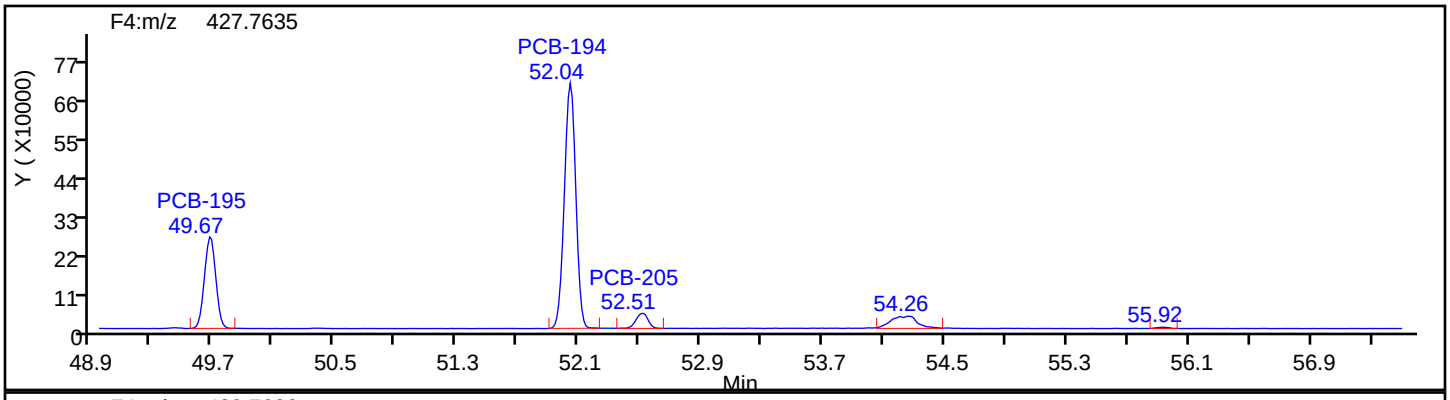
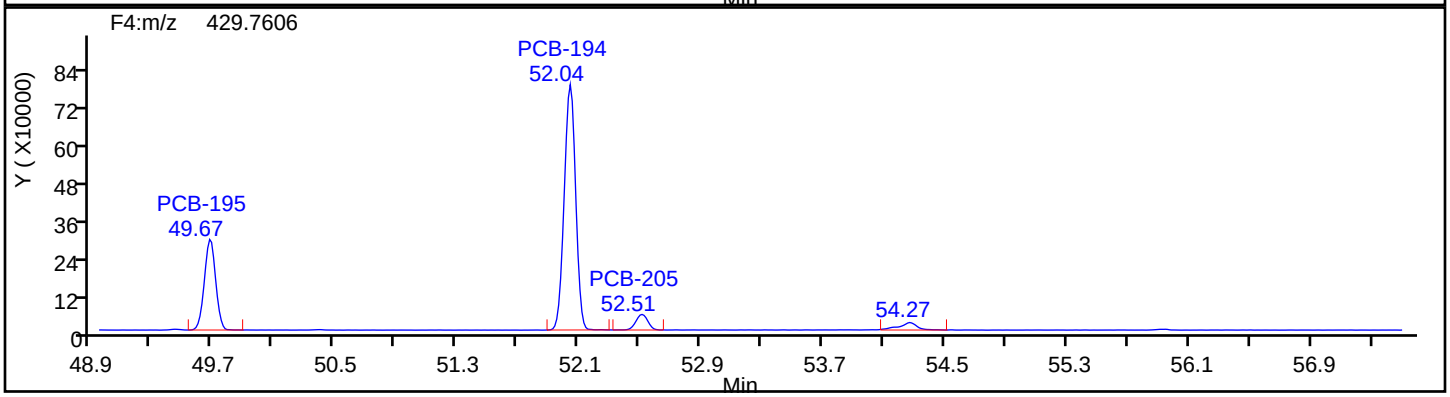
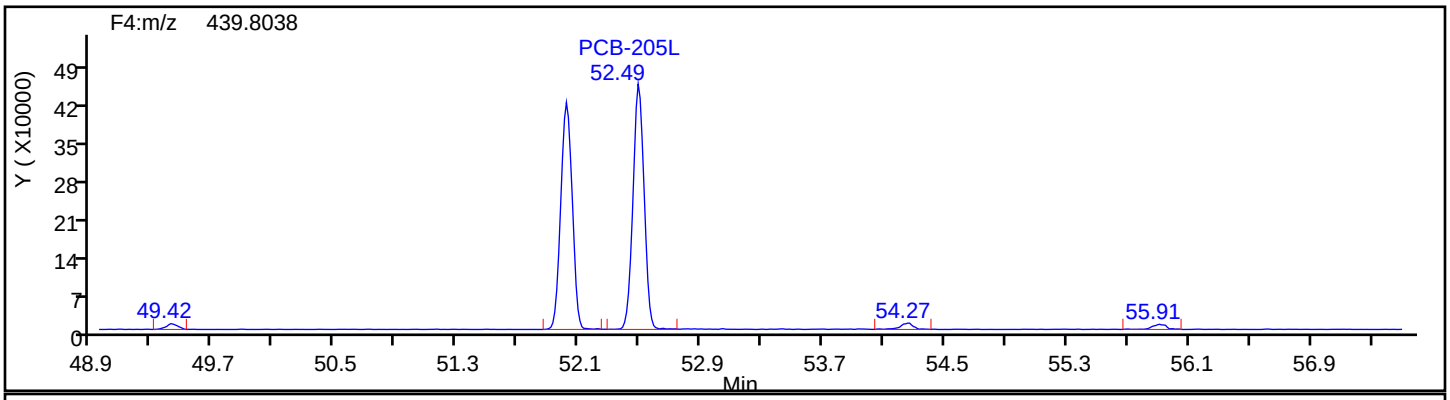
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

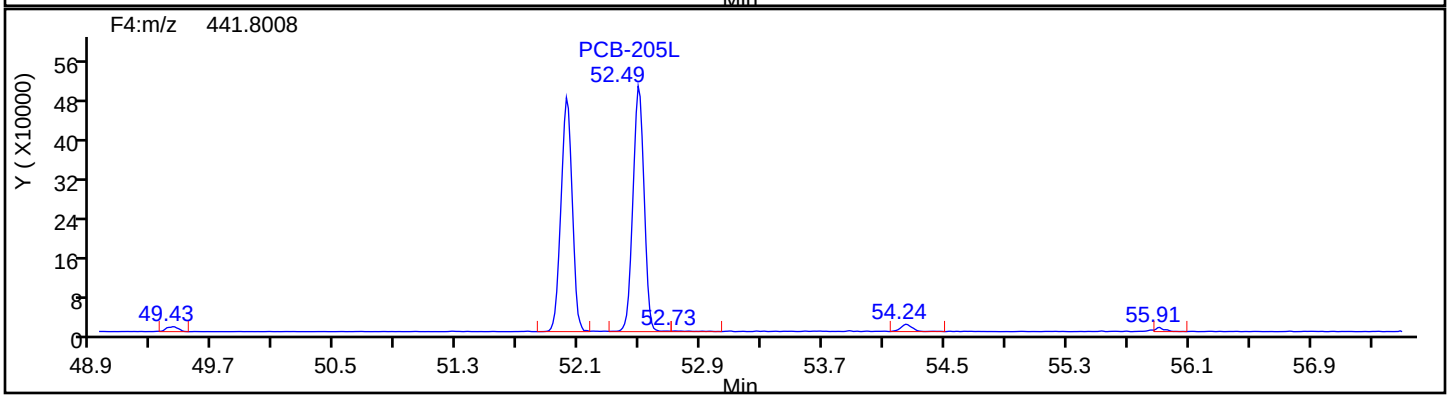
OcPCB F4




OcPCB F4 Standards

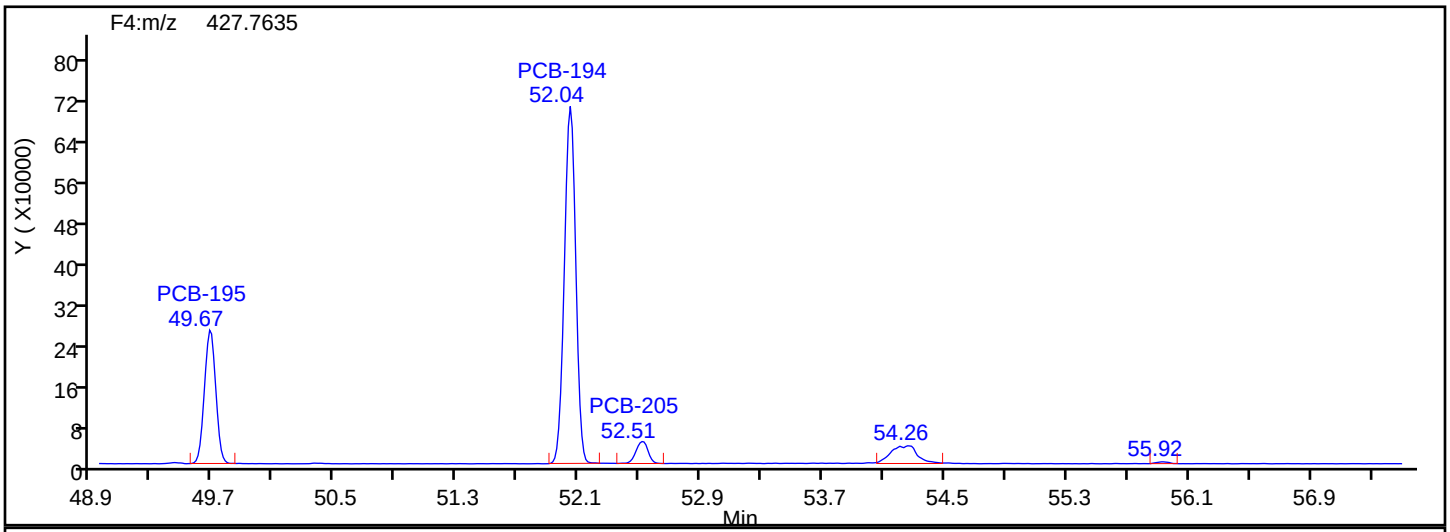


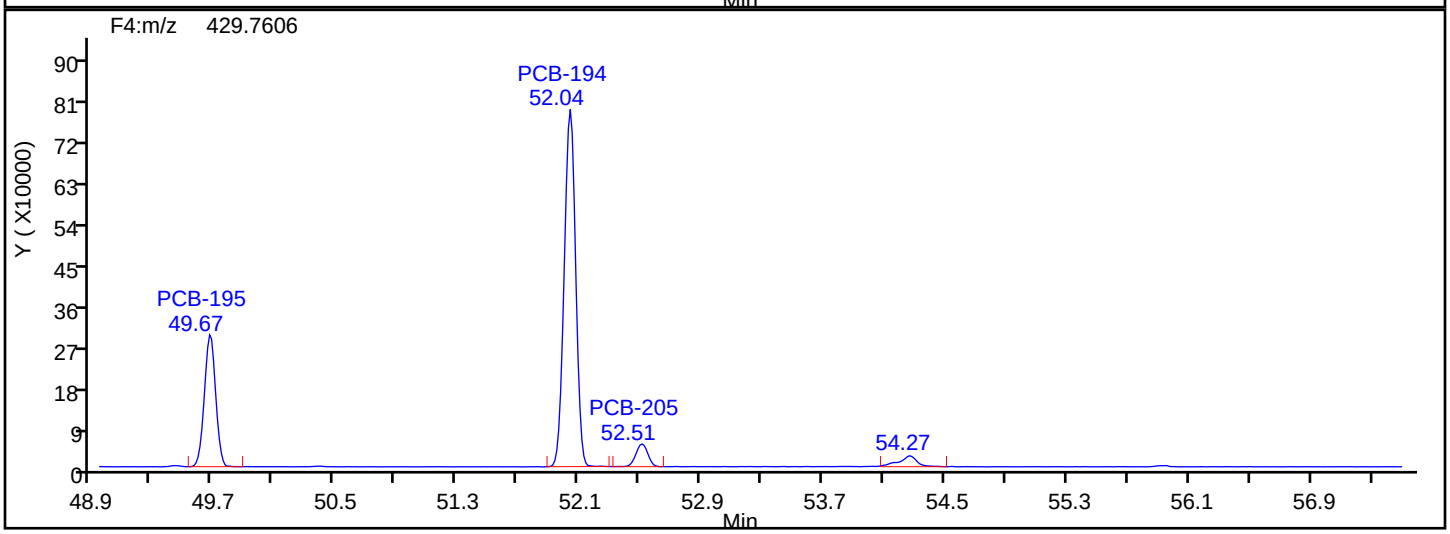



Eurofins TestAmerica, Knoxville

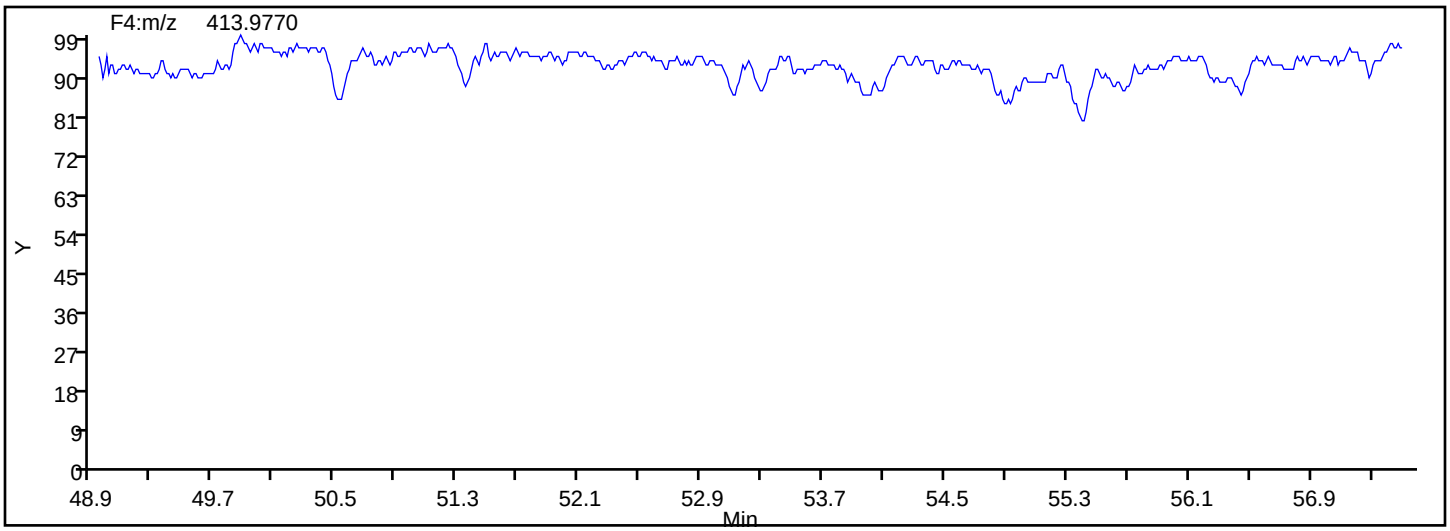
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



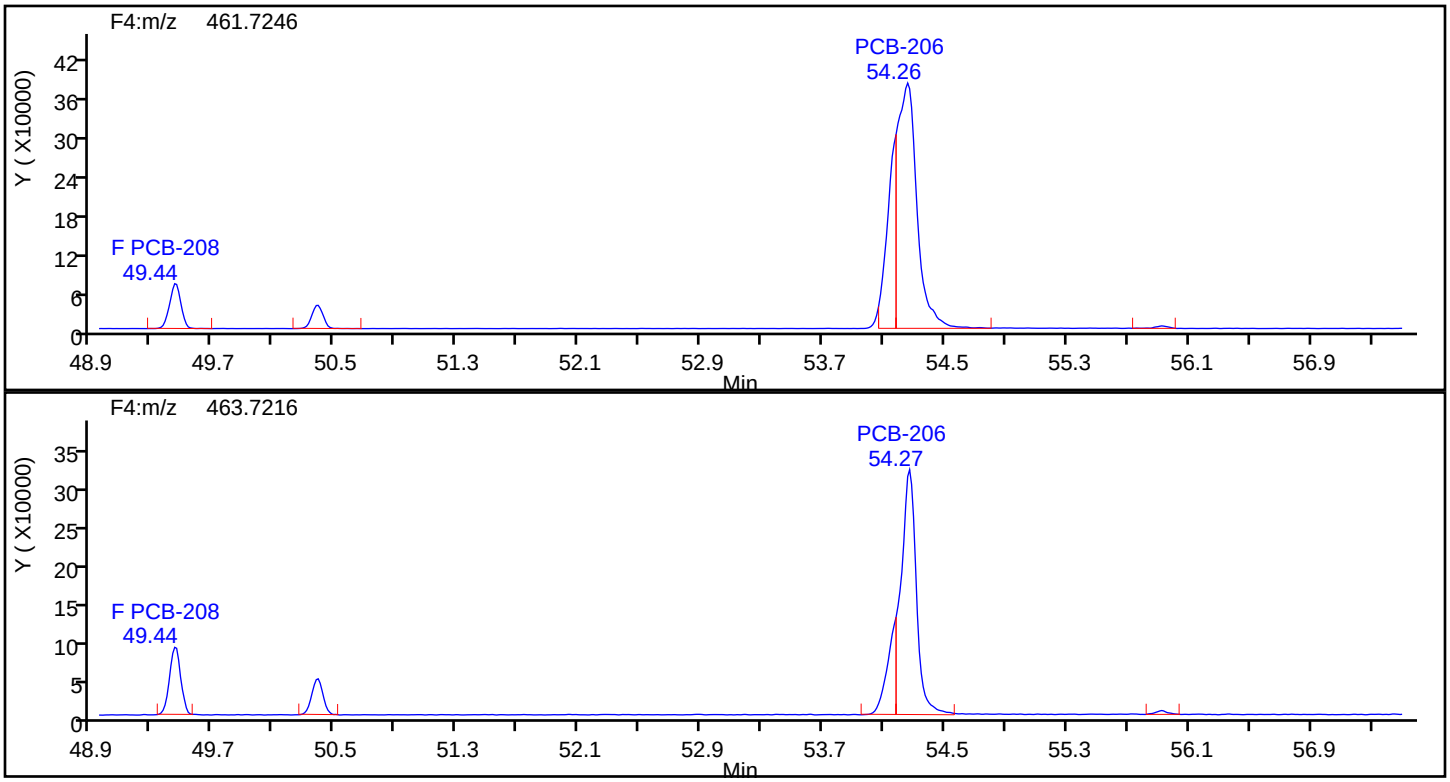

OcPCB F4 Lock Mass



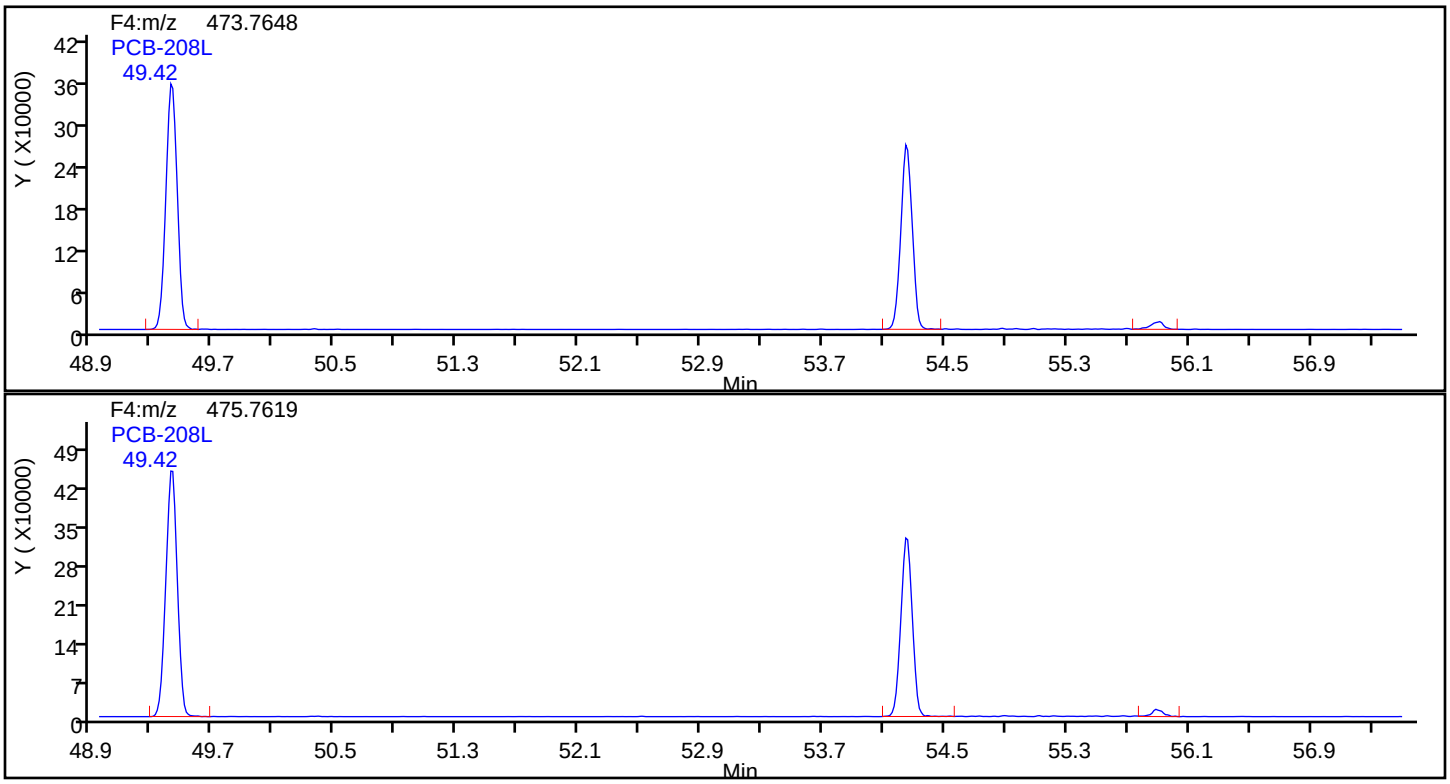
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
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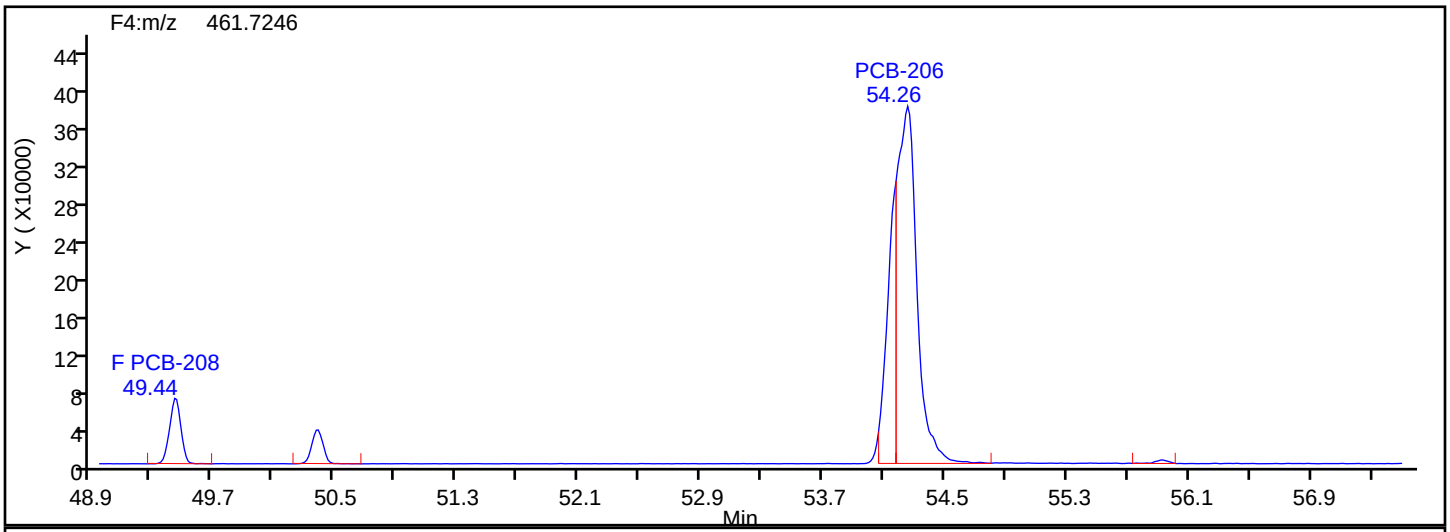
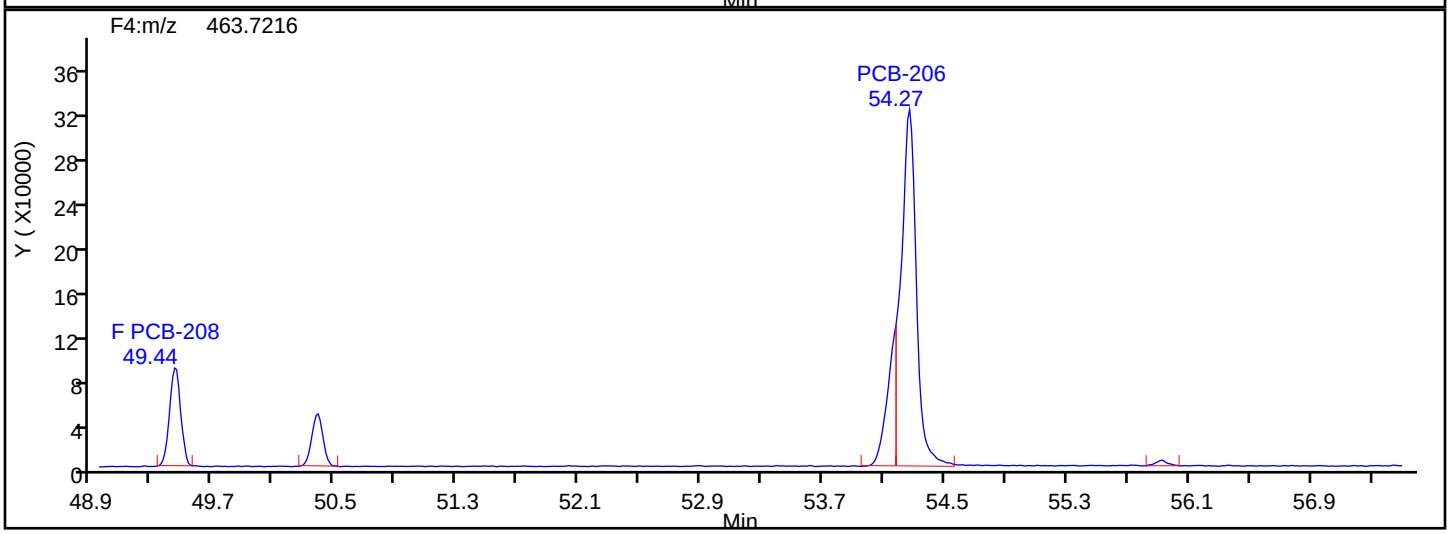
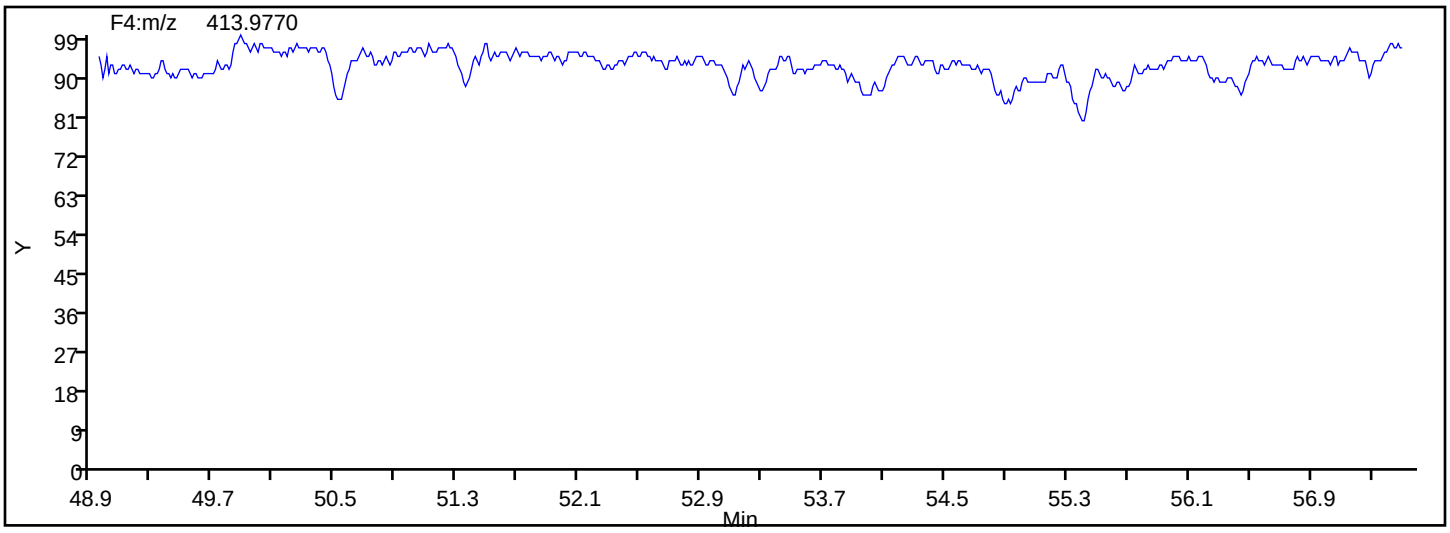
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

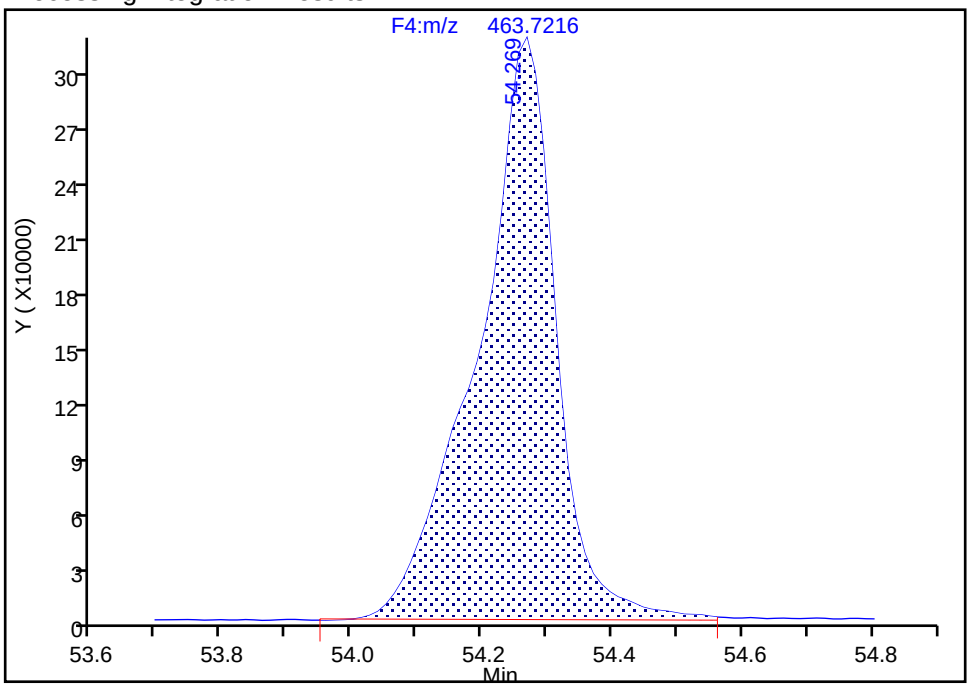
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

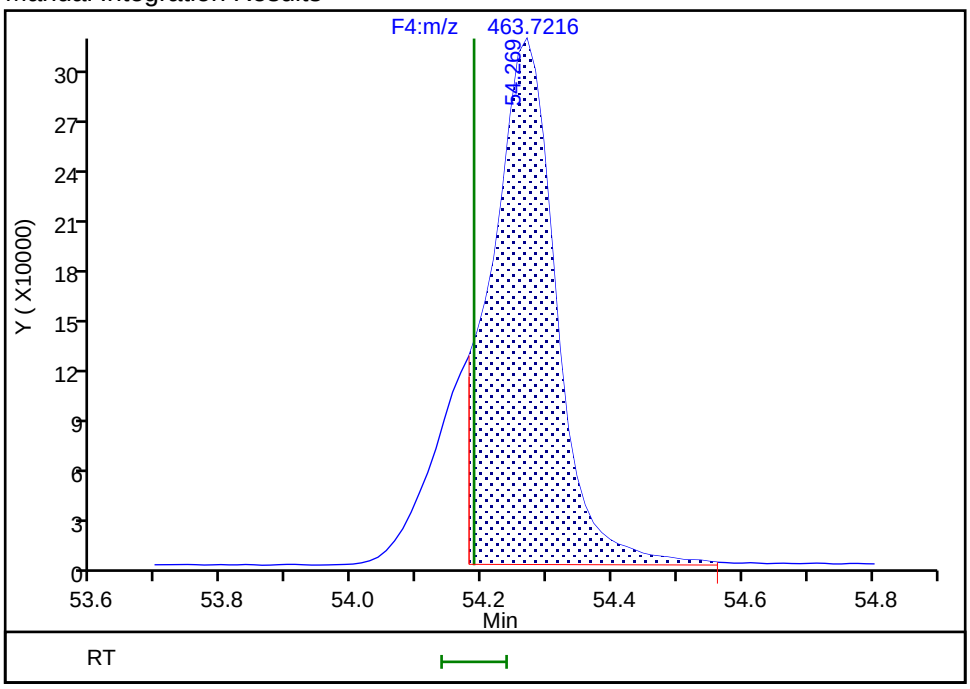
Processing Integration Results

RT: 54.27
Area: 2648483
Amount: 193.4021
Amount Units: pg/ul




Manual Integration Results

RT: 54.27
Area: 2176595
Amount: 148.9087
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:16:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

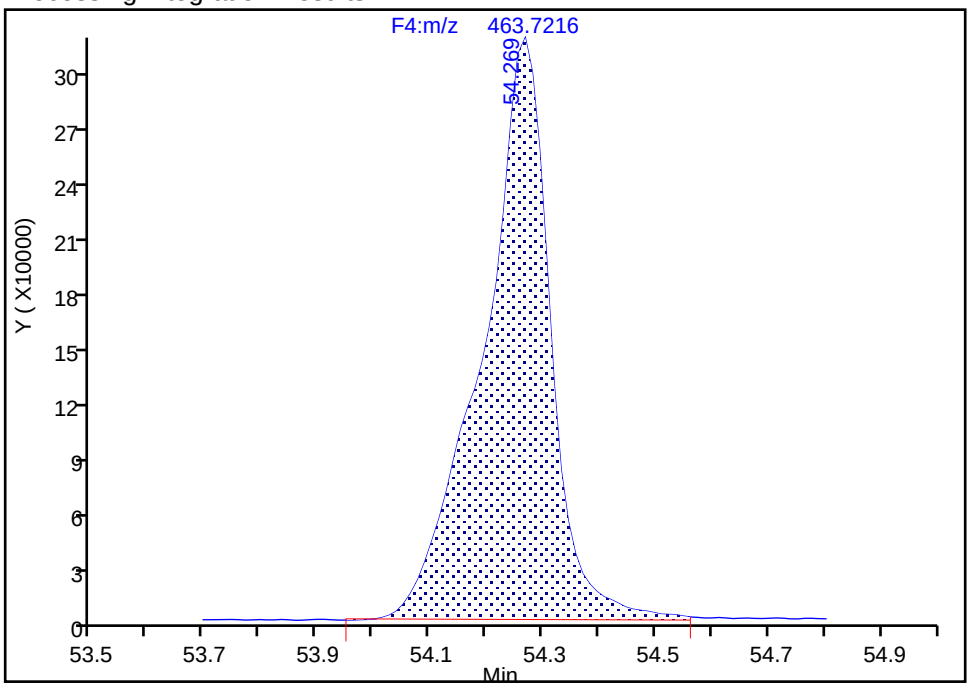
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 3

Processing Integration Results

RT: 54.26
Area: 7059484
Amount: 193.4021
Amount Units: pg/ul




Manual Integration Results

RT: 54.26
Area: 5435404
Amount: 148.9087
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:16:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

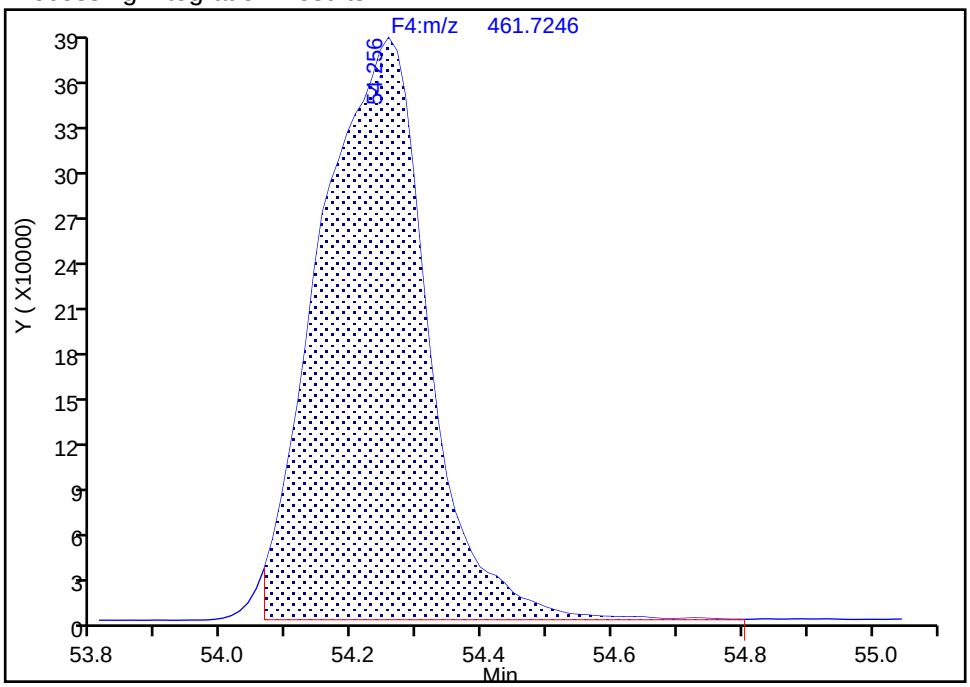
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-F | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

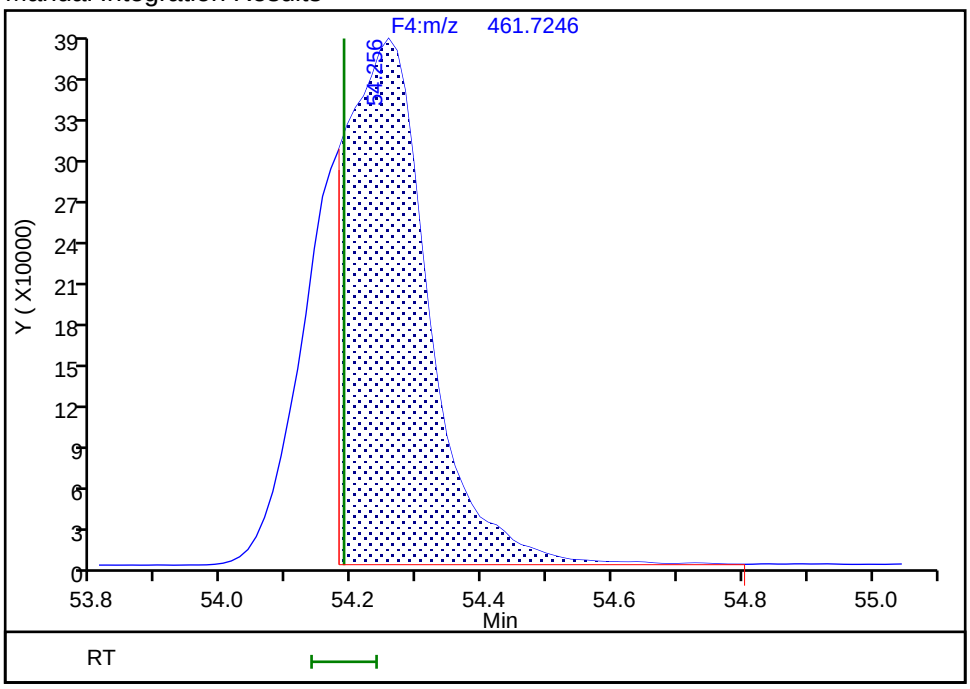
Processing Integration Results

RT: 54.26
Area: 4411001
Amount: 193.4021
Amount Units: pg/ul




Manual Integration Results

RT: 54.26
Area: 3258809
Amount: 148.9087
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:16:40

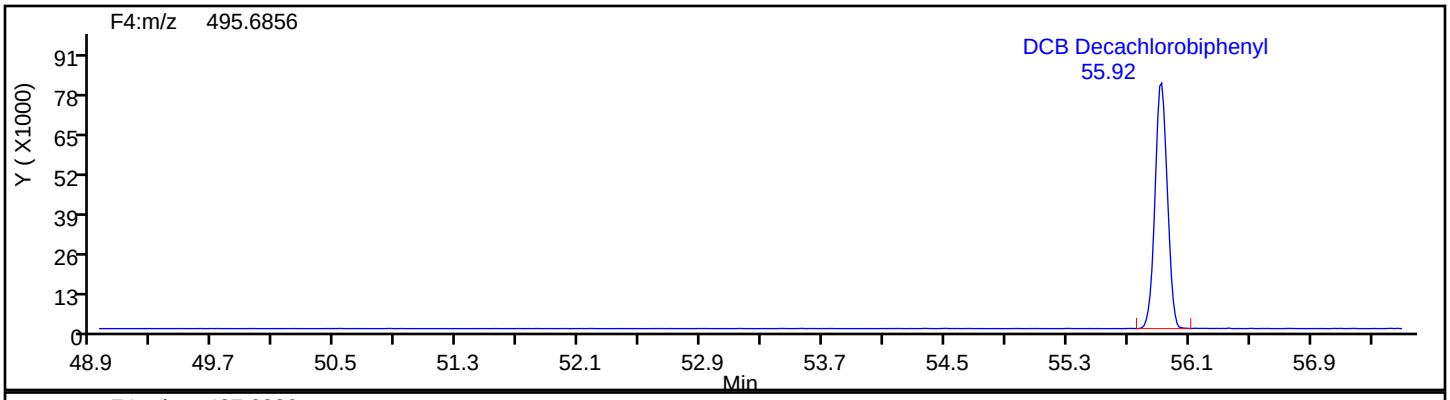
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

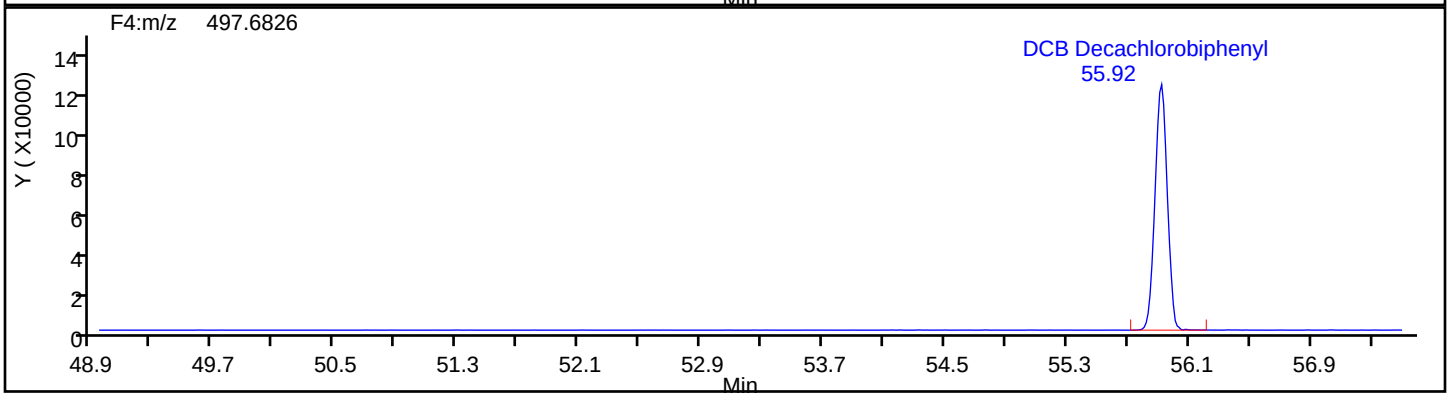
Report Date: 09-Oct-2019 21:25:40 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

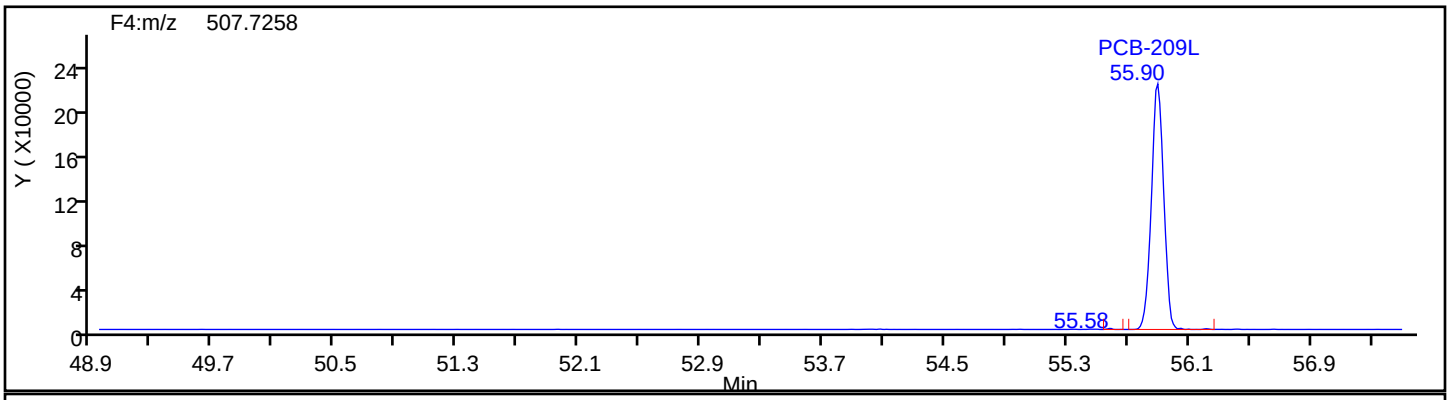
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-29-f.d | | |
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

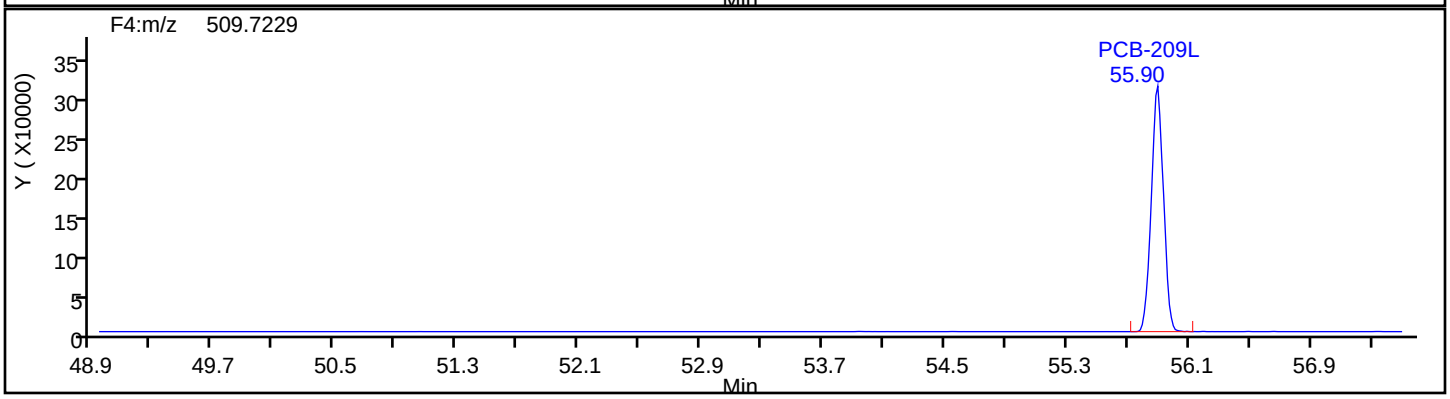
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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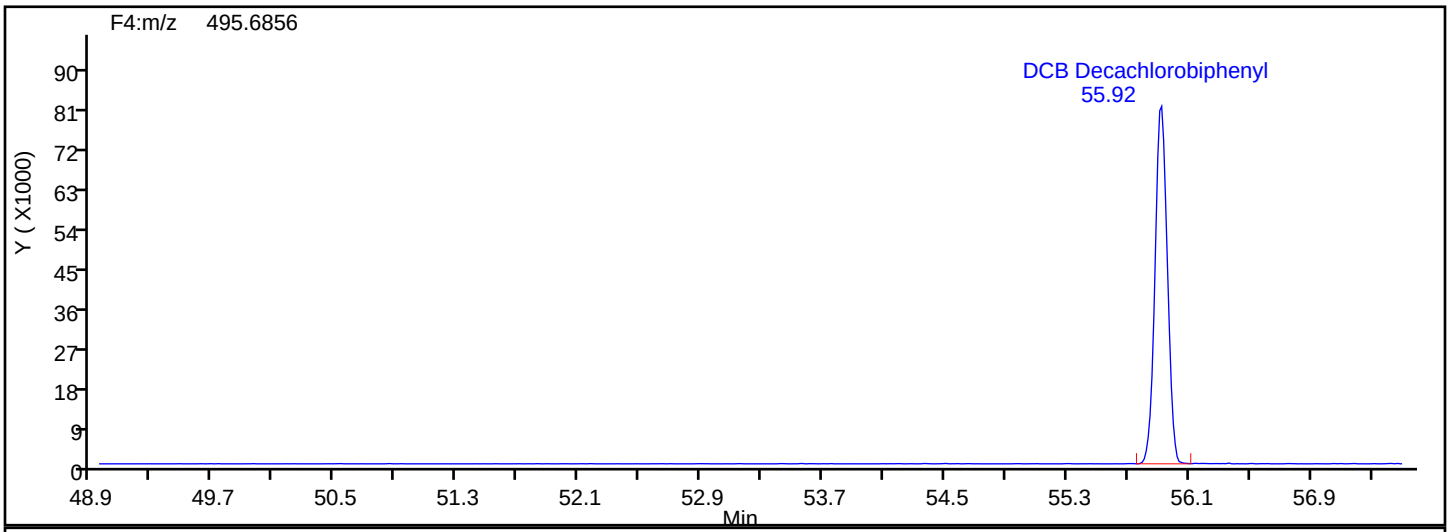
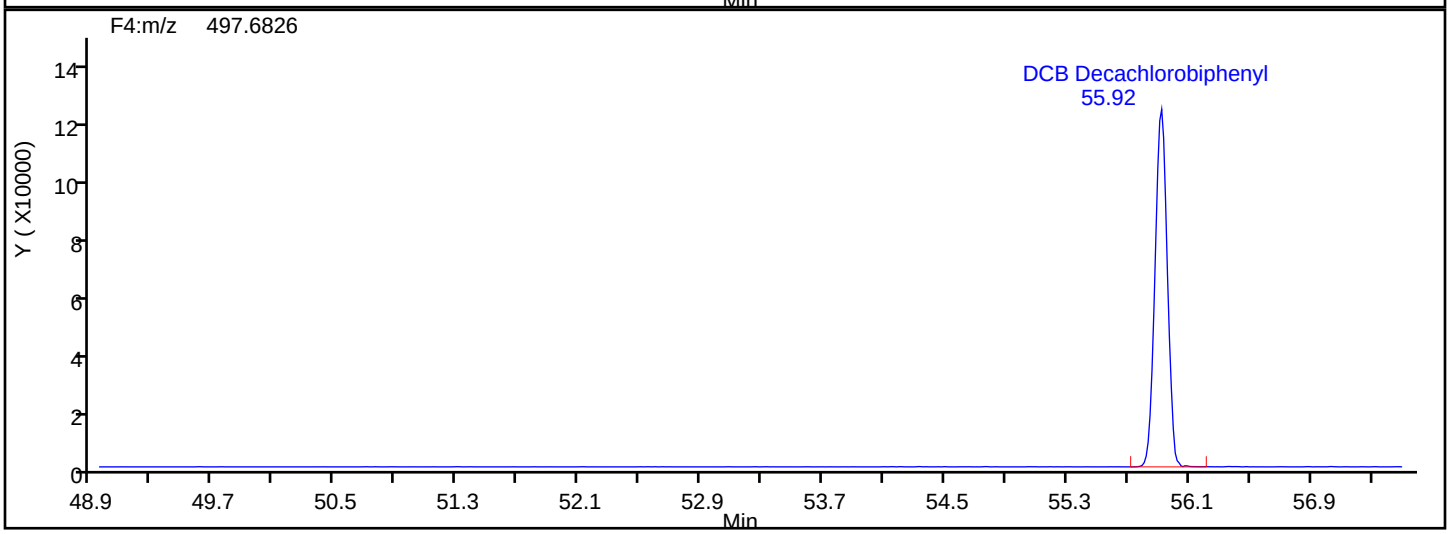
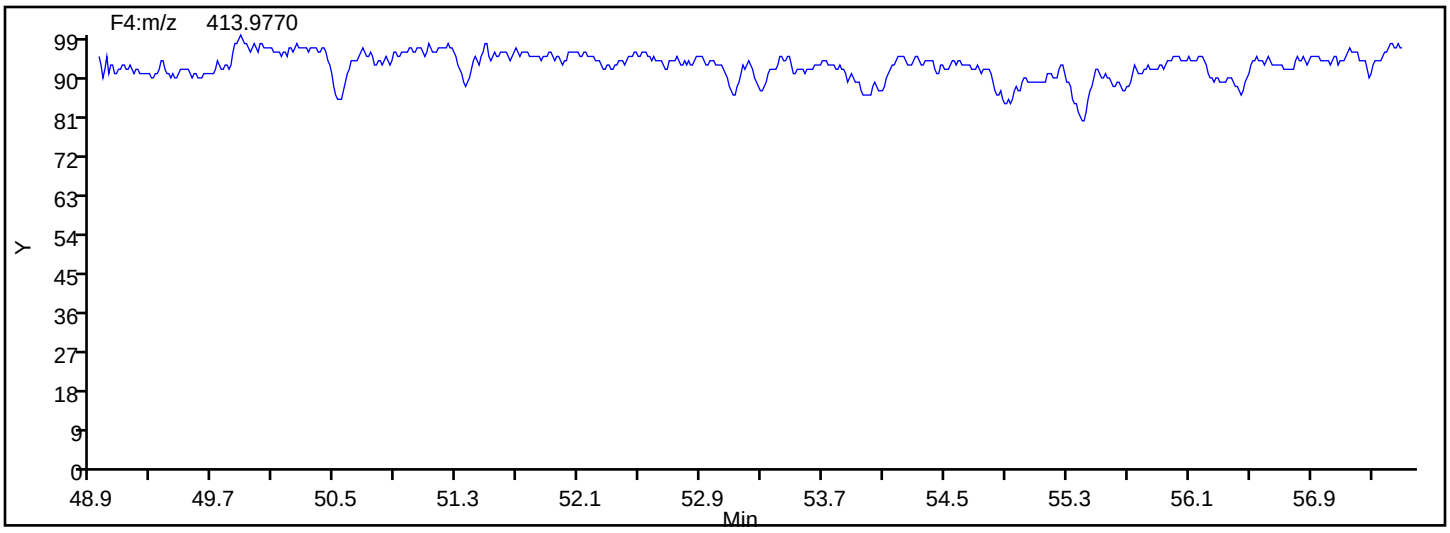
| Injection Date: | 09-Oct-2019 18:48:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.18 | J | 0.24 | 0.0071 |
| 2051-61-8 | PCB-2 | 0.028 | J | 0.24 | 0.0074 |
| 2051-62-9 | PCB-3 | 0.15 | J | 0.24 | 0.0076 |
| 13029-08-8 | PCB-4 | 0.44 | J | 0.48 | 0.041 |
| 16605-91-7 | PCB-5 | ND | | 0.24 | 0.017 |
| 25569-80-6 | PCB-6 | 0.33 | | 0.24 | 0.017 |
| 33284-50-3 | PCB-7 | 0.074 | J | 0.24 | 0.017 |
| 34883-43-7 | PCB-8 | 1.2 | | 0.48 | 0.017 |
| 34883-39-1 | PCB-9 | 0.11 | J | 0.24 | 0.019 |
| 33146-45-1 | PCB-10 | ND | | 0.24 | 0.018 |
| 2050-67-1 | PCB-11 | ND | | 0.48 | 0.017 |
| 2974-92-7 | PCB-12 | 0.13 | J C | 0.48 | 0.016 |
| 2974-90-5 | PCB-13 | 0.13 | J C12 | 0.48 | 0.016 |
| 34883-41-5 | PCB-14 | ND | | 0.24 | 0.014 |
| 2050-68-2 | PCB-15 | 0.71 | | 0.24 | 0.013 |
| 38444-78-9 | PCB-16 | 1.3 | | 0.24 | 0.024 |
| 37680-66-3 | PCB-17 | 1.8 | | 0.24 | 0.019 |
| 37680-65-2 | PCB-18 | 2.7 | C | 0.48 | 0.016 |
| 38444-73-4 | PCB-19 | 0.24 | | 0.24 | 0.022 |
| 38444-84-7 | PCB-20 | 6.5 | C | 0.48 | 0.036 |
| 55702-46-0 | PCB-21 | 2.4 | C | 0.48 | 0.034 |
| 38444-85-8 | PCB-22 | 1.1 | | 0.24 | 0.038 |
| 55720-44-0 | PCB-23 | ND | | 0.24 | 0.037 |
| 55702-45-9 | PCB-24 | 0.035 | J | 0.24 | 0.014 |
| 55712-37-3 | PCB-25 | 0.72 | | 0.24 | 0.035 |
| 38444-81-4 | PCB-26 | 1.4 | C | 0.48 | 0.035 |
| 38444-76-7 | PCB-27 | 0.22 | J | 0.24 | 0.013 |
| 7012-37-5 | PCB-28 | 6.5 | C20 | 0.48 | 0.036 |
| 15862-07-4 | PCB-29 | 1.4 | C26 | 0.48 | 0.035 |
| 35693-92-6 | PCB-30 | 2.7 | C18 | 0.48 | 0.016 |
| 16606-02-3 | PCB-31 | 4.1 | | 0.48 | 0.034 |
| 38444-77-8 | PCB-32 | 1.1 | | 0.24 | 0.012 |
| 38444-86-9 | PCB-33 | 2.4 | C21 | 0.48 | 0.034 |
| 37680-68-5 | PCB-34 | 0.085 | J | 0.24 | 0.038 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.064 | J | 0.24 | 0.038 |
| 38444-87-0 | PCB-36 | ND | | 0.24 | 0.035 |
| 38444-90-5 | PCB-37 | 1.5 | | 0.24 | 0.036 |
| 53555-66-1 | PCB-38 | ND | | 0.24 | 0.035 |
| 38444-88-1 | PCB-39 | 0.13 | J | 0.24 | 0.033 |
| 38444-93-8 | PCB-40 | 5.2 | C | 0.72 | 0.035 |
| 52663-59-9 | PCB-41 | 5.2 | C40 | 0.72 | 0.035 |
| 36559-22-5 | PCB-42 | 3.8 | | 0.24 | 0.037 |
| 70362-46-8 | PCB-43 | 0.23 | J C | 0.48 | 0.032 |
| 41464-39-5 | PCB-44 | 17 | C B | 0.72 | 0.031 |
| 70362-45-7 | PCB-45 | 1.4 | C B | 0.48 | 0.036 |
| 41464-47-5 | PCB-46 | 0.52 | | 0.24 | 0.042 |
| 2437-79-8 | PCB-47 | 17 | C44 B | 0.72 | 0.031 |
| 70362-47-9 | PCB-48 | 1.6 | | 0.24 | 0.034 |
| 41464-40-8 | PCB-49 | 16 | C B | 0.48 | 0.028 |
| 62796-65-0 | PCB-50 | 1.3 | C | 0.48 | 0.034 |
| 68194-04-7 | PCB-51 | 1.4 | C45 B | 0.48 | 0.036 |
| 35693-99-3 | PCB-52 | 35 | B | 0.24 | 0.035 |
| 41464-41-9 | PCB-53 | 1.3 | C50 | 0.48 | 0.034 |
| 15968-05-5 | PCB-54 | 0.029 | J | 0.24 | 0.0045 |
| 74338-24-2 | PCB-55 | 0.083 | J | 0.24 | 0.025 |
| 41464-43-1 | PCB-56 | 5.2 | | 0.24 | 0.025 |
| 70424-67-8 | PCB-57 | 0.15 | J | 0.24 | 0.025 |
| 41464-49-7 | PCB-58 | 0.17 | J | 0.24 | 0.024 |
| 74472-33-6 | PCB-59 | 1.0 | C | 0.72 | 0.023 |
| 33025-41-1 | PCB-60 | 0.75 | | 0.24 | 0.024 |
| 33284-53-6 | PCB-61 | 31 | C B | 0.96 | 0.023 |
| 54230-22-7 | PCB-62 | 1.0 | C59 | 0.72 | 0.023 |
| 74472-34-7 | PCB-63 | 0.60 | | 0.24 | 0.022 |
| 52663-58-8 | PCB-64 | 4.6 | | 0.24 | 0.022 |
| 33284-54-7 | PCB-65 | 17 | C44 B | 0.72 | 0.031 |
| 32598-10-0 | PCB-66 | 18 | | 0.24 | 0.025 |
| 73575-53-8 | PCB-67 | 0.38 | | 0.24 | 0.023 |
| 73575-52-7 | PCB-68 | 0.54 | | 0.24 | 0.022 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 16 | C49 B | 0.48 | 0.028 |
| 32598-11-1 | PCB-70 | 31 | C61 B | 0.96 | 0.023 |
| 41464-46-4 | PCB-71 | 5.2 | C40 | 0.72 | 0.035 |
| 41464-42-0 | PCB-72 | 1.1 | | 0.24 | 0.024 |
| 74338-23-1 | PCB-73 | 0.23 | J C43 | 0.48 | 0.032 |
| 32690-93-0 | PCB-74 | 31 | C61 B | 0.96 | 0.023 |
| 32598-12-2 | PCB-75 | 1.0 | C59 | 0.72 | 0.023 |
| 70362-48-0 | PCB-76 | 31 | C61 B | 0.96 | 0.023 |
| 32598-13-3 | PCB-77 | 1.2 | | 0.24 | 0.023 |
| 70362-49-1 | PCB-78 | ND | | 0.24 | 0.024 |
| 41464-48-6 | PCB-79 | 0.74 | | 0.24 | 0.021 |
| 33284-52-5 | PCB-80 | ND | | 0.24 | 0.022 |
| 70362-50-4 | PCB-81 | 0.067 | J | 0.24 | 0.025 |
| 52663-62-4 | PCB-82 | 5.6 | | 0.24 | 0.022 |
| 60145-20-2 | PCB-83 | 40 | C | 0.48 | 0.020 |
| 52663-60-2 | PCB-84 | 14 | B | 0.24 | 0.022 |
| 65510-45-4 | PCB-85 | 7.9 | C B | 0.72 | 0.016 |
| 55312-69-1 | PCB-86 | 34 | C | 1.4 | 0.016 |
| 38380-02-8 | PCB-87 | 34 | C86 | 1.4 | 0.016 |
| 55215-17-3 | PCB-88 | 8.7 | C | 0.48 | 0.019 |
| 73575-57-2 | PCB-89 | 0.44 | | 0.24 | 0.021 |
| 68194-07-0 | PCB-90 | 63 | C B | 0.72 | 0.017 |
| 68194-05-8 | PCB-91 | 8.7 | C88 | 0.48 | 0.019 |
| 52663-61-3 | PCB-92 | 16 | | 0.24 | 0.020 |
| 73575-56-1 | PCB-93 | 0.99 | C | 0.48 | 0.020 |
| 73575-55-0 | PCB-94 | ND | | 0.24 | 0.021 |
| 38379-99-6 | PCB-95 | 47 | | 0.24 | 0.020 |
| 73575-54-9 | PCB-96 | ND | | 0.24 | 0.016 |
| 41464-51-1 | PCB-97 | 34 | C86 | 1.4 | 0.016 |
| 60233-25-2 | PCB-98 | 1.6 | C | 0.48 | 0.019 |
| 38380-01-7 | PCB-99 | 40 | C83 | 0.48 | 0.020 |
| 39485-83-1 | PCB-100 | 0.99 | C93 | 0.48 | 0.020 |
| 37680-73-2 | PCB-101 | 63 | C90 B | 0.72 | 0.017 |
| 68194-06-9 | PCB-102 | 1.6 | C98 | 0.48 | 0.019 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *60145-21-3* | *PCB-103* | *1.6* | | *0.24* | *0.019* |
| *56558-16-8* | *PCB-104* | *ND* | | *0.24* | *0.014* |
| *32598-14-4* | *PCB-105* | *14* | | *0.24* | *0.074* |
| *70424-69-0* | *PCB-106* | *ND* | | *0.24* | *0.075* |
| *70424-68-9* | *PCB-107* | *4.5* | | *0.24* | *0.070* |
| *70362-41-3* | *PCB-108* | *1.7* | *C* | *0.48* | *0.076* |
| *74472-35-8* | *PCB-109* | *34* | *C86* | *1.4* | *0.016* |
| *38380-03-9* | *PCB-110* | *64* | *C* | *0.48* | *0.014* |
| *39635-32-0* | *PCB-111* | *ND* | | *0.24* | *0.013* |
| *74472-36-9* | *PCB-112* | *ND* | | *0.24* | *0.014* |
| *68194-10-5* | *PCB-113* | *63* | *C90 B* | *0.72* | *0.017* |
| *74472-37-0* | *PCB-114* | *0.83* | | *0.24* | *0.070* |
| *74472-38-1* | *PCB-115* | *64* | *C110* | *0.48* | *0.014* |
| *18259-05-7* | *PCB-116* | *7.9* | *C85 B* | *0.72* | *0.016* |
| *68194-11-6* | *PCB-117* | *7.9* | *C85 B* | *0.72* | *0.016* |
| *31508-00-6* | *PCB-118* | *47* | *B* | *0.24* | *0.070* |
| *56558-17-9* | *PCB-119* | *34* | *C86* | *1.4* | *0.016* |
| *68194-12-7* | *PCB-120* | *0.67* | | *0.24* | *0.013* |
| *56558-18-0* | *PCB-121* | *ND* | | *0.24* | *0.014* |
| *76842-07-4* | *PCB-122* | *0.67* | | *0.24* | *0.082* |
| *65510-44-3* | *PCB-123* | *0.67* | | *0.24* | *0.069* |
| *70424-70-3* | *PCB-124* | *1.7* | *C108* | *0.48* | *0.076* |
| *74472-39-2* | *PCB-125* | *34* | *C86* | *1.4* | *0.016* |
| *57465-28-8* | *PCB-126* | *0.13* | *J* | *0.24* | *0.076* |
| *39635-33-1* | *PCB-127* | *ND* | | *0.24* | *0.074* |
| *38380-07-3* | *PCB-128* | *9.6* | *C B* | *0.48* | *0.030* |
| *55215-18-4* | *PCB-129* | *61* | *C B* | *0.96* | *0.031* |
| *52663-66-8* | *PCB-130* | *4.6* | | *0.24* | *0.040* |
| *61798-70-7* | *PCB-131* | *0.91* | | *0.24* | *0.039* |
| *38380-05-1* | *PCB-132* | *22* | | *0.24* | *0.038* |
| *35694-04-3* | *PCB-133* | *1.7* | | *0.24* | *0.037* |
| *52704-70-8* | *PCB-134* | *3.9* | *C* | *0.48* | *0.039* |
| *52744-13-5* | *PCB-135* | *26* | *C B* | *0.48* | *0.012* |
| *38411-22-2* | *PCB-136* | *9.1* | *B* | *0.24* | *0.0091* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *2.7* | | *0.24* | *0.032* |
| *35065-28-2* | *PCB-138* | *61* | *C129 B* | *0.96* | *0.031* |
| *56030-56-9* | *PCB-139* | *1.5* | *C* | *0.48* | *0.033* |
| *59291-64-4* | *PCB-140* | *1.5* | *C139* | *0.48* | *0.033* |
| *52712-04-6* | *PCB-141* | *10* | | *0.24* | *0.035* |
| *41411-61-4* | *PCB-142* | *ND* | | *0.24* | *0.039* |
| *68194-15-0* | *PCB-143* | *3.9* | *C134* | *0.48* | *0.039* |
| *68194-14-9* | *PCB-144* | *2.7* | | *0.24* | *0.011* |
| *74472-40-5* | *PCB-145* | *0.046* | *J* | *0.24* | *0.0088* |
| *51908-16-8* | *PCB-146* | *14* | *B* | *0.24* | *0.033* |
| *68194-13-8* | *PCB-147* | *55* | *C B* | *0.48* | *0.034* |
| *74472-41-6* | *PCB-148* | *0.48* | | *0.24* | *0.012* |
| *38380-04-0* | *PCB-149* | *55* | *C147 B* | *0.48* | *0.034* |
| *68194-08-1* | *PCB-150* | *0.35* | | *0.24* | *0.0085* |
| *52663-63-5* | *PCB-151* | *26* | *C135 B* | *0.48* | *0.012* |
| *68194-09-2* | *PCB-152* | *0.037* | *J* | *0.24* | *0.0084* |
| *35065-27-1* | *PCB-153* | *55* | *C B* | *0.48* | *0.027* |
| *60145-22-4* | *PCB-154* | *2.5* | | *0.24* | *0.010* |
| *33979-03-2* | *PCB-155* | *ND* | | *0.24* | *0.0081* |
| *38380-08-4* | *PCB-156* | *7.6* | *C* | *0.48* | *0.032* |
| *69782-90-7* | *PCB-157* | *7.6* | *C156* | *0.48* | *0.032* |
| *74472-42-7* | *PCB-158* | *5.6* | | *0.24* | *0.024* |
| *39635-35-3* | *PCB-159* | *0.69* | | *0.24* | *0.025* |
| *41411-62-5* | *PCB-160* | *61* | *C129 B* | *0.96* | *0.031* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.24* | *0.025* |
| *39635-34-2* | *PCB-162* | *0.24* | | *0.24* | *0.025* |
| *74472-44-9* | *PCB-163* | *61* | *C129 B* | *0.96* | *0.031* |
| *74472-45-0* | *PCB-164* | *4.5* | | *0.24* | *0.027* |
| *74472-46-1* | *PCB-165* | *ND* | | *0.24* | *0.030* |
| *41411-63-6* | *PCB-166* | *9.6* | *C128 B* | *0.48* | *0.030* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 2.3 | | 0.24 | 0.021 |
| 59291-65-5 | PCB-168 | 55 | C153 B | 0.48 | 0.027 |
| 32774-16-6 | PCB-169 | ND | | 0.24 | 0.022 |
| 35065-30-6 | PCB-170 | 16 | B | 0.24 | 0.011 |
| 52663-71-5 | PCB-171 | 5.6 | C | 0.48 | 0.011 |
| 52663-74-8 | PCB-172 | 3.1 | | 0.24 | 0.011 |
| 68194-16-1 | PCB-173 | 5.6 | C171 | 0.48 | 0.011 |
| 38411-25-5 | PCB-174 | 19 | B | 0.24 | 0.011 |
| 40186-70-7 | PCB-175 | 0.77 | | 0.24 | 0.010 |
| 52663-65-7 | PCB-176 | 2.3 | | 0.24 | 0.0071 |
| 52663-70-4 | PCB-177 | 11 | B | 0.24 | 0.011 |
| 52663-67-9 | PCB-178 | 4.2 | | 0.24 | 0.011 |
| 52663-64-6 | PCB-179 | 8.4 | | 0.24 | 0.0076 |
| 35065-29-3 | PCB-180 | 36 | C B | 0.48 | 0.0088 |
| 74472-47-2 | PCB-181 | 0.20 | J | 0.24 | 0.0098 |
| 60145-23-5 | PCB-182 | 0.21 | J | 0.24 | 0.0094 |
| 52663-69-1 | PCB-183 | 12 | C B | 0.48 | 0.0095 |
| 74472-48-3 | PCB-184 | ND | | 0.24 | 0.0076 |
| 52712-05-7 | PCB-185 | 12 | C183 B | 0.48 | 0.0095 |
| 74472-49-4 | PCB-186 | ND | | 0.24 | 0.0075 |
| 52663-68-0 | PCB-187 | 23 | B | 0.24 | 0.0097 |
| 74487-85-7 | PCB-188 | ND | | 0.24 | 0.0071 |
| 39635-31-9 | PCB-189 | 0.60 | | 0.24 | 0.016 |
| 41411-64-7 | PCB-190 | 3.3 | B | 0.24 | 0.0078 |
| 74472-50-7 | PCB-191 | 0.75 | | 0.24 | 0.0078 |
| 74472-51-8 | PCB-192 | ND | | 0.24 | 0.0084 |
| 69782-91-8 | PCB-193 | 36 | C180 B | 0.48 | 0.0088 |
| 35694-08-7 | PCB-194 | 8.0 | | 0.24 | 0.11 |
| 52663-78-2 | PCB-195 | 3.6 | | 0.24 | 0.13 |
| 42740-50-1 | PCB-196 | 4.0 | | 0.24 | 0.019 |
| 33091-17-7 | PCB-197 | 0.34 | | 0.24 | 0.014 |
| 68194-17-2 | PCB-198 | 8.6 | C B | 0.48 | 0.020 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *8.6* | *C198 B* | *0.48* | *0.020* |
| *52663-73-7* | *PCB-200* | *1.1* | | *0.24* | *0.015* |
| *40186-71-8* | *PCB-201* | *1.1* | | *0.24* | *0.014* |
| *2136-99-4* | *PCB-202* | *1.7* | | *0.24* | *0.016* |
| *52663-76-0* | *PCB-203* | *5.0* | | *0.24* | *0.018* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.24* | *0.015* |
| *74472-53-0* | *PCB-205* | *0.41* | | *0.24* | *0.080* |
| *40186-72-9* | *PCB-206* | *6.0* | *q* | *0.24* | *0.053* |
| *52663-79-3* | *PCB-207* | *0.41* | | *0.24* | *0.037* |
| *52663-77-1* | *PCB-208* | *0.95* | | *0.24* | *0.038* |
| *2051-24-3* | *PCB-209* | *2.3* | | *0.24* | *0.0095* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *0.36* | | *0.24* | *0.0074* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *3.0* | *q B* | *0.48* | *0.019* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *25* | | *0.48* | *0.029* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *150* | *q B* | *0.96* | *0.026* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *380* | *B* | *1.4* | *0.036* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *300* | *q B* | *0.96* | *0.025* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *150* | *q B* | *0.48* | *0.0096* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *34* | *B* | *0.48* | *0.040* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *7.4* | *q* | *0.24* | *0.043* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *1000* | *q B* | *1.4* | *0.026* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-50to60-82719  Lab Sample ID: 580-88908-29

Matrix: Solid  Lab File ID: 580-88908-a-29-c_191003174537.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:15

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 3.73(g)  Date Analyzed: 10/03/2019 17:45

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 44.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 54 | | 30-140 |
| 208263-77-8 | PCB-3L | 62 | | 30-140 |
| 234432-86-1 | PCB-4L | 64 | | 30-140 |
| 208263-67-6 | PCB-15L | 81 | | 30-140 |
| 234432-87-2 | PCB-19L | 77 | | 30-140 |
| 208263-79-0 | PCB-37L | 87 | | 30-140 |
| 234432-88-3 | PCB-54L | 75 | | 30-140 |
| 105600-23-5 | PCB-77L | 92 | | 30-140 |
| 208461-24-9 | PCB-81L | 89 | | 30-140 |
| 234432-89-4 | PCB-104L | 86 | | 30-140 |
| 208263-62-1 | PCB-105L | 82 | | 30-140 |
| 208263-63-2 | PCB-114L | 80 | | 30-140 |
| 104130-40-7 | PCB-118L | 83 | | 30-140 |
| 208263-64-3 | PCB-123L | 80 | | 30-140 |
| 208263-65-4 | PCB-126L | 87 | | 30-140 |
| 234432-90-7 | PCB-155L | 103 | | 30-140 |
| 208263-68-7 | PCB-156L | 79 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 79 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 80 | | 30-140 |
| 208263-70-1 | PCB-169L | 95 | | 30-140 |
| 160901-80-4 | PCB-170L | 80 | | 30-140 |
| 234432-91-8 | PCB-188L | 78 | | 30-140 |
| 208263-73-4 | PCB-189L | 83 | | 30-140 |
| 105600-26-8 | PCB-202L | 93 | | 30-140 |
| 234446-64-1 | PCB-205L | 75 | | 30-140 |
| 208263-75-6 | PCB-206L | 71 | | 30-140 |
| 234432-92-9 | PCB-208L | 80 | | 30-140 |
| 105600-27-9 | PCB-209L | 70 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 79 | | 40-125 |
| 235416-29-2 | PCB-111L | 93 | | 40-125 |
| 232919-67-4 | PCB-178L | 89 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d
Lims ID: 580-88908-A-29-C
Client ID: J5-SC1b-50to60-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 17:45:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 01:32:02 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 03-Oct-2019 23:24:56

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 1.542 | 1.463 | 0.0307 | 0.0307 | | RQ |
| D PCB-1L | 11:57 | 339281 | 2.80 | 1.3140 | 10.8 | 10.8 | 0.5476 | 0.5476 | 54.02 | Ma |
| D PCB-3L | 14:02 | 402558 | 3.30 | 1.3615 | 12.4 | 12.4 | 0.5285 | 0.5285 | 61.85 | |
| PCB-1 | 11:58 | 14854 | 2.85 | 1.1883 | 0.7369 | 0.7369 | 0.0295 | 0.0295 | | |
| PCB-2 | 13:53 | 2607 | 3.13 | 1.1911 | 0.1480 | 0.1180 | 0.0308 | 0.0308 | | RQ |
| PCB-3 | 14:03 | 14837 | 3.13 | 1.2130 | 0.6571 | 0.6077 | 0.0318 | 0.0318 | | RQ |
| S Total Dichlorobiphenyls | | | | | 12.5 | 12.5 | 0.0786 | 0.0786 | | RQ |
| D PCB-4L | 14:16 | 182147 | 1.68 | 0.5996 | 12.7 | 12.7 | 0.5110 | 0.5110 | 63.56 | |
| * PCB-9L | 16:12 | 478005 | 1.74 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:04 | 395902 | 1.48 | 1.0280 | 16.1 | 16.1 | 0.2981 | 0.2981 | 80.57 | Ma |
| PCB-4 | 14:18 | 20762 | 1.51 | 1.2533 | 1.819 | 1.819 | 0.1727 | 0.1727 | | |
| PCB-10 | 14:21 | | | | | | 0.0759 | 0.0759 | | |
| PCB-9 | 16:13 | 9138 | 1.72 | 1.4200 | 0.4453 | 0.4453 | 0.0792 | 0.0792 | | |
| PCB-7 | 16:23 | 7213 | 1.38 | 1.6244 | 0.3073 | 0.3073 | 0.0693 | 0.0693 | | a |
| PCB-6 | 16:37 | 31250 | 1.72 | 1.5539 | 1.392 | 1.392 | 0.0724 | 0.0724 | | a |
| PCB-5 | 16:50 | | | | | | 0.0721 | 0.0721 | | |
| PCB-8 | 17:03 | 114766 | 1.54 | 1.5884 | 5.000 | 5.000 | 0.0708 | 0.0708 | | a |
| PCB-14 | 18:35 | | | | | | 0.0601 | 0.0601 | | |
| PCB-11 | 19:25 | | | | | | 0.0688 | 0.0688 | | |
| PCB-12 | 19:45 | 12511 | 1.56 | 1.6410 | 0.5647 | 0.5276 | 0.0686 | 0.0686 | | RQMa |
| PCB-13 (C12) | 19:45 | 12511 | 1.56 | 1.6410 | 0.5647 | 0.5276 | 0.0686 | 0.0686 | | RQMa |
| PCB-15 | 20:05 | 82589 | 1.62 | 1.4024 | 2.975 | 2.975 | 0.0542 | 0.0542 | | M |
| S Total Trichlorobiphenyl | | | | | 105.7 | 105.7 | 0.1218 | 0.1218 | | |
| D PCB-19L | 17:19 | 157015 | 1.05 | 0.6095 | 15.5 | 15.5 | 0.9139 | 0.9139 | 77.31 | |
| * PCB-32L | 20:32 | 333227 | 1.05 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:46 | 738800 | 1.13 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:04 | 640242 | 1.04 | 1.0975 | 15.8 | 15.8 | 0.1611 | 0.1611 | 78.96 | |
| D PCB-37L | 27:03 | 578485 | 1.11 | 0.9024 | 17.4 | 17.4 | 0.1960 | 0.1960 | 86.77 | |
| PCB-19 | 17:21 | 10074 | 1.02 | 1.3047 | 0.9835 | 0.9835 | 0.0925 | 0.0925 | | |
| PCB-18 | 19:10 | 160455 | 1.09 | 1.8188 | 11.2 | 11.2 | 0.0663 | 0.0663 | | |
| PCB-30 (C18) | 19:10 | 160455 | 1.09 | 1.8188 | 11.2 | 11.2 | 0.0663 | 0.0663 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:35 | 89551 | 1.05 | 1.5641 | 7.293 | 7.293 | 0.0772 | 0.0772 | | |
| PCB-27 | 19:48 | 15678 | 0.94 | 2.1680 | 0.9211 | 0.9211 | 0.0557 | 0.0557 | | |
| PCB-24 | 19:55 | 2425 | 0.89 | 2.1018 | 0.1470 | 0.1470 | 0.0574 | 0.0574 | | Ma |
| PCB-16 | 20:02 | 51524 | 1.12 | 1.2260 | 5.353 | 5.353 | 0.0984 | 0.0984 | | M |
| PCB-32 | 20:33 | 80646 | 1.00 | 2.3416 | 4.387 | 4.387 | 0.0515 | 0.0515 | | a |
| PCB-34 | 21:48 | 12431 | 1.12 | 1.2154 | 0.3536 | 0.3536 | 0.1602 | 0.1602 | | a |
| PCB-23 | 21:56 | | | | | | 0.1536 | 0.1536 | | |
| PCB-26 | 22:15 | 219758 | 1.00 | 1.3193 | 5.759 | 5.759 | 0.1476 | 0.1476 | | a |
| PCB-29 (C26) | 22:15 | 219758 | 1.00 | 1.3193 | 5.759 | 5.759 | 0.1476 | 0.1476 | | a |
| PCB-25 | 22:29 | 117170 | 1.07 | 1.3523 | 2.996 | 2.996 | 0.1440 | 0.1440 | | |
| PCB-31 | 22:48 | 678366 | 1.05 | 1.3809 | 17.0 | 17.0 | 0.1410 | 0.1410 | | |
| PCB-20 | 23:05 | 1027381 | 1.05 | 1.3057 | 27.2 | 27.2 | 0.1491 | 0.1491 | | |
| PCB-28 (C20) | 23:05 | 1027381 | 1.05 | 1.3057 | 27.2 | 27.2 | 0.1491 | 0.1491 | | |
| PCB-21 | 23:20 | 405277 | 1.04 | 1.3777 | 10.2 | 10.2 | 0.1413 | 0.1413 | | |
| PCB-33 (C21) | 23:20 | 405277 | 1.04 | 1.3777 | 10.2 | 10.2 | 0.1413 | 0.1413 | | |
| PCB-22 | 23:43 | 167284 | 1.10 | 1.2430 | 4.653 | 4.653 | 0.1567 | 0.1567 | | |
| PCB-36 | 25:15 | | | | | | 0.1446 | 0.1446 | | |
| PCB-39 | 25:39 | 21269 | 0.95 | 1.3970 | 0.5264 | 0.5264 | 0.1394 | 0.1394 | | |
| PCB-38 | 26:11 | | | | | | 0.1478 | 0.1478 | | |
| PCB-35 | 26:40 | 9439 | 0.91 | 1.2166 | 0.2682 | 0.2682 | 0.1600 | 0.1600 | | |
| PCB-37 | 27:04 | 239170 | 1.12 | 1.2879 | 6.420 | 6.420 | 0.1512 | 0.1512 | | |
| S Total Tetrachlorobiphen | | | | | 615.4 | 615.1 | 0.1104 | 0.1104 | | RQ |
| D PCB-54L | 20:21 | 162009 | 0.77 | 0.6515 | 14.9 | 14.9 | 0.1237 | 0.1237 | 74.63 | |
| * PCB-52L | 24:53 | 397491 | 0.87 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:47 | 434221 | 0.80 | 1.2328 | 17.7 | 17.7 | 0.0817 | 0.0817 | 88.61 | |
| D PCB-77L | 34:22 | 460085 | 0.89 | 1.2523 | 18.5 | 18.5 | 0.0804 | 0.0804 | 92.43 | Ma |
| PCB-54 | 20:23 | 1238 | 0.67 | 1.2558 | 0.1217 | 0.1217 | 0.0187 | 0.0187 | | |
| PCB-50 | 22:31 | 115260 | 0.76 | 0.9362 | 5.507 | 5.507 | 0.1415 | 0.1415 | | |
| PCB-53 (C50) | 22:31 | 115260 | 0.76 | 0.9362 | 5.507 | 5.507 | 0.1415 | 0.1415 | | |
| PCB-45 | 23:10 | 118653 | 0.80 | 0.8850 | 5.996 | 5.996 | 0.1497 | 0.1497 | | Ma |
| PCB-51 (C45) | 23:10 | 118653 | 0.80 | 0.8850 | 5.996 | 5.996 | 0.1497 | 0.1497 | | Ma |
| PCB-46 | 23:30 | 36688 | 0.76 | 0.7591 | 2.162 | 2.162 | 0.1745 | 0.1745 | | |
| PCB-52 | 24:54 | 2924444 | 0.80 | 0.8992 | 145.5 | 145.5 | 0.1473 | 0.1473 | | |
| PCB-43 | 25:09 | 21627 | 0.77 | 0.9993 | 1.041 | 0.9680 | 0.1325 | 0.1325 | | RQMa |
| PCB-73 (C43) | 25:09 | 21627 | 0.77 | 0.9993 | 1.041 | 0.9680 | 0.1325 | 0.1325 | | RQMa |
| PCB-49 | 25:24 | 1709616 | 0.79 | 1.1366 | 67.3 | 67.3 | 0.1165 | 0.1165 | | M |
| PCB-69 (C49) | 25:24 | 1709616 | 0.79 | 1.1366 | 67.3 | 67.3 | 0.1165 | 0.1165 | | M |
| PCB-48 | 25:41 | 137867 | 0.78 | 0.9454 | 6.523 | 6.523 | 0.1401 | 0.1401 | | |
| PCB-44 | 25:54 | 1596986 | 0.80 | 1.0323 | 69.2 | 69.2 | 0.1283 | 0.1283 | | |
| PCB-47 (C44) | 25:54 | 1596986 | 0.80 | 1.0323 | 69.2 | 69.2 | 0.1283 | 0.1283 | | |
| PCB-65 (C44) | 25:54 | 1596986 | 0.80 | 1.0323 | 69.2 | 69.2 | 0.1283 | 0.1283 | | |
| PCB-59 | 26:16 | 129446 | 0.79 | 1.3609 | 4.254 | 4.254 | 0.0973 | 0.0973 | | |
| PCB-62 (C59) | 26:16 | 129446 | 0.79 | 1.3609 | 4.254 | 4.254 | 0.0973 | 0.0973 | | |
| PCB-75 (C59) | 26:16 | 129446 | 0.79 | 1.3609 | 4.254 | 4.254 | 0.0973 | 0.0973 | | |
| PCB-42 | 26:26 | 305050 | 0.78 | 0.8670 | 15.7 | 15.7 | 0.1528 | 0.1528 | | |
| PCB-40 | 26:55 | 446721 | 0.79 | 0.9179 | 21.8 | 21.8 | 0.1443 | 0.1443 | | Ma |
| PCB-41 (C40) | 26:55 | 446721 | 0.79 | 0.9179 | 21.8 | 21.8 | 0.1443 | 0.1443 | | Ma |
| PCB-71 (C40) | 26:55 | 446721 | 0.79 | 0.9179 | 21.8 | 21.8 | 0.1443 | 0.1443 | | Ma |
| PCB-64 | 27:08 | 610506 | 0.83 | 1.4164 | 19.3 | 19.3 | 0.0935 | 0.0935 | | Ma |
| PCB-72 | 27:58 | 135246 | 0.82 | 1.3157 | 4.598 | 4.598 | 0.1007 | 0.1007 | | |
| PCB-68 | 28:16 | 74432 | 0.78 | 1.4782 | 2.252 | 2.252 | 0.0896 | 0.0896 | | Ma |
| PCB-57 | 28:42 | 18457 | 0.77 | 1.2817 | 0.7182 | 0.6441 | 0.1033 | 0.1033 | | RQ |
| PCB-58 | 28:55 | 21429 | 0.77 | 1.3214 | 0.8273 | 0.7254 | 0.1002 | 0.1002 | | RQMa |
| PCB-67 | 29:05 | 48706 | 0.75 | 1.3944 | 1.562 | 1.562 | 0.0950 | 0.0950 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:21 | 82451 | 0.78 | 1.4685 | 2.511 | 2.511 | 0.0902 | 0.0902 | | |
| PCB-61 | 29:40 | 3920932 | 0.80 | 1.3565 | 129.3 | 129.3 | 0.0976 | 0.0976 | | |
| PCB-70 (C61) | 29:40 | 3920932 | 0.80 | 1.3565 | 129.3 | 129.3 | 0.0976 | 0.0976 | | |
| PCB-74 (C61) | 29:40 | 3920932 | 0.80 | 1.3565 | 129.3 | 129.3 | 0.0976 | 0.0976 | | |
| PCB-76 (C61) | 29:40 | 3920932 | 0.80 | 1.3565 | 129.3 | 129.3 | 0.0976 | 0.0976 | | |
| PCB-66 | 30:00 | 2174153 | 0.80 | 1.2800 | 76.0 | 76.0 | 0.1035 | 0.1035 | | Ma |
| PCB-55 | 30:10 | 10023 | 0.77 | 1.2951 | 0.4050 | 0.3461 | 0.1023 | 0.1023 | | RQMa |
| PCB-56 | 30:40 | 609427 | 0.79 | 1.2671 | 21.5 | 21.5 | 0.1045 | 0.1045 | | |
| PCB-60 | 30:53 | 93149 | 0.84 | 1.3288 | 3.135 | 3.135 | 0.0997 | 0.0997 | | |
| PCB-80 | 31:17 | | | | | | 0.0901 | 0.0901 | | |
| PCB-79 | 32:50 | 105608 | 0.81 | 1.5421 | 3.063 | 3.063 | 0.0859 | 0.0859 | | |
| PCB-78 | 33:23 | | | | | | 0.1007 | 0.1007 | | |
| PCB-81 | 33:47 | 8032 | 0.78 | 1.3214 | 0.2800 | 0.2800 | 0.1024 | 0.1024 | | Ma |
| PCB-77 | 34:22 | 152808 | 0.83 | 1.3308 | 4.991 | 4.991 | 0.0975 | 0.0975 | | |
| S Total Pentachlorobiphen | | | | | 1566.6 | 1566.6 | 0.1488 | 0.1488 | | |
| D PCB-104L | 25:51 | 312582 | 1.50 | 1.1164 | 17.1 | 17.1 | 0.0751 | 0.0751 | 85.69 | |
| * PCB-101L | 31:44 | 326751 | 1.70 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:25 | 370745 | 1.63 | 1.2177 | 18.6 | 18.6 | 0.0688 | 0.0688 | 93.18 | |
| D PCB-123L | 36:22 | 417620 | 1.57 | 0.9909 | 15.9 | 15.9 | 0.3377 | 0.3377 | 79.67 | |
| D PCB-118L | 36:41 | 448124 | 1.71 | 1.0256 | 16.5 | 16.5 | 0.3263 | 0.3263 | 82.60 | |
| D PCB-114L | 37:13 | 425251 | 1.69 | 1.0030 | 16.0 | 16.0 | 0.3336 | 0.3336 | 80.15 | |
| D PCB-105L | 37:52 | 433228 | 1.50 | 1.0013 | 16.4 | 16.4 | 0.3342 | 0.3342 | 81.80 | |
| * PCB-127L | 39:21 | 528978 | 1.56 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:57 | 414993 | 1.67 | 0.9020 | 17.4 | 17.4 | 0.3709 | 0.3709 | 86.97 | |
| PCB-104 | 25:51 | | | | | | 0.0572 | 0.0572 | | |
| PCB-96 | 26:13 | | | | | | 0.0650 | 0.0650 | | |
| PCB-103 | 28:09 | 109428 | 1.54 | 1.0331 | 6.777 | 6.777 | 0.0772 | 0.0772 | | |
| PCB-94 | 28:22 | | | | | | 0.0882 | 0.0882 | | |
| PCB-95 | 28:49 | 2947460 | 1.59 | 0.9620 | 196.0 | 196.0 | 0.0829 | 0.0829 | | |
| PCB-93 | 29:02 | 63423 | 1.60 | 0.9806 | 4.138 | 4.138 | 0.0813 | 0.0813 | | |
| PCB-100 (C93) | 29:02 | 63423 | 1.60 | 0.9806 | 4.138 | 4.138 | 0.0813 | 0.0813 | | |
| PCB-98 | 29:10 | 106163 | 1.68 | 0.9888 | 6.869 | 6.869 | 0.0806 | 0.0806 | | |
| PCB-102 (C98) | 29:10 | 106163 | 1.68 | 0.9888 | 6.869 | 6.869 | 0.0806 | 0.0806 | | |
| PCB-88 | 29:41 | 572099 | 1.61 | 1.0052 | 36.4 | 36.4 | 0.0793 | 0.0793 | | |
| PCB-91 (C88) | 29:41 | 572099 | 1.61 | 1.0052 | 36.4 | 36.4 | 0.0793 | 0.0793 | | |
| PCB-84 | 29:54 | 799216 | 1.62 | 0.8601 | 59.5 | 59.5 | 0.0927 | 0.0927 | | |
| PCB-89 | 30:23 | 25664 | 1.77 | 0.8936 | 1.838 | 1.838 | 0.0892 | 0.0892 | | |
| PCB-121 | 30:48 | | | | | | 0.0571 | 0.0571 | | |
| PCB-92 | 31:10 | 1001500 | 1.58 | 0.9532 | 67.2 | 67.2 | 0.0836 | 0.0836 | | |
| PCB-90 | 31:45 | 4673136 | 1.59 | 1.1367 | 263.0 | 263.0 | 0.0701 | 0.0701 | | |
| PCB-101 (C90) | 31:45 | 4673136 | 1.59 | 1.1367 | 263.0 | 263.0 | 0.0701 | 0.0701 | | |
| PCB-113 (C90) | 31:45 | 4673136 | 1.59 | 1.1367 | 263.0 | 263.0 | 0.0701 | 0.0701 | | |
| PCB-83 | 32:19 | 2432429 | 1.59 | 0.9393 | 165.7 | 165.7 | 0.0849 | 0.0849 | | Ma |
| PCB-99 (C83) | 32:19 | 2432429 | 1.59 | 0.9393 | 165.7 | 165.7 | 0.0849 | 0.0849 | | Ma |
| PCB-112 | 32:26 | | | | | | 0.0583 | 0.0583 | | |
| PCB-86 | 32:50 | 2684645 | 1.59 | 1.1958 | 143.6 | 143.6 | 0.0667 | 0.0667 | | Ma |
| PCB-87 (C86) | 32:50 | 2684645 | 1.59 | 1.1958 | 143.6 | 143.6 | 0.0667 | 0.0667 | | Ma |
| PCB-97 (C86) | 32:50 | 2684645 | 1.59 | 1.1958 | 143.6 | 143.6 | 0.0667 | 0.0667 | | Ma |
| PCB-109 (C86) | 32:50 | 2684645 | 1.59 | 1.1958 | 143.6 | 143.6 | 0.0667 | 0.0667 | | Ma |
| PCB-119 (C86) | 32:50 | 2684645 | 1.59 | 1.1958 | 143.6 | 143.6 | 0.0667 | 0.0667 | | Ma |
| PCB-125 (C86) | 32:50 | 2684645 | 1.59 | 1.1958 | 143.6 | 143.6 | 0.0667 | 0.0667 | | Ma |
| PCB-85 | 33:33 | 621479 | 1.63 | 1.2126 | 32.8 | 32.8 | 0.0657 | 0.0657 | | |
| PCB-116 (C85) | 33:33 | 621479 | 1.63 | 1.2126 | 32.8 | 32.8 | 0.0657 | 0.0657 | | |
| PCB-117 (C85) | 33:33 | 621479 | 1.63 | 1.2126 | 32.8 | 32.8 | 0.0657 | 0.0657 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:43 | 5651221 | 1.58 | 1.3511 | 267.6 | 267.6 | 0.0590 | 0.0590 | | a |
| PCB-115 (C110) | 33:43 | 5651221 | 1.58 | 1.3511 | 267.6 | 267.6 | 0.0590 | 0.0590 | | a |
| PCB-82 | 34:02 | 317829 | 1.64 | 0.8675 | 23.4 | 23.4 | 0.0919 | 0.0919 | | |
| PCB-111 | 34:26 | | | | | | 0.0559 | 0.0559 | | |
| PCB-120 | 34:54 | 64622 | 1.50 | 1.4907 | 2.774 | 2.774 | 0.0535 | 0.0535 | | |
| PCB-108 | 36:02 | 188720 | 1.53 | 1.2547 | 7.031 | 7.031 | 0.3173 | 0.3173 | | |
| PCB-124 (C108) | 36:02 | 188720 | 1.53 | 1.2547 | 7.031 | 7.031 | 0.3173 | 0.3173 | | |
| PCB-107 | 36:16 | 544272 | 1.55 | 1.3580 | 18.7 | 18.7 | 0.2932 | 0.2932 | | Ma |
| PCB-123 | 36:23 | 78054 | 1.43 | 1.3407 | 2.788 | 2.788 | 0.2872 | 0.2872 | | Ma |
| PCB-106 | 36:30 | | | | | | 0.3123 | 0.3123 | | |
| PCB-118 | 36:43 | 5647719 | 1.56 | 1.2892 | 195.5 | 195.5 | 0.2909 | 0.2909 | | |
| PCB-122 | 37:03 | 69176 | 1.67 | 1.1614 | 2.784 | 2.784 | 0.3428 | 0.3428 | | |
| PCB-114 | 37:14 | 103375 | 1.67 | 1.4051 | 3.460 | 3.460 | 0.2926 | 0.2926 | | Ma |
| PCB-105 | 37:53 | 1618028 | 1.59 | 1.2887 | 58.0 | 58.0 | 0.3089 | 0.3089 | | |
| PCB-127 | 39:22 | | | | | | 0.3100 | 0.3100 | | |
| PCB-126 | 41:00 | 14568 | 1.70 | 1.3416 | 0.5233 | 0.5233 | 0.3170 | 0.3170 | | Ma |
| S Total Hexachlorobipheny | | | | | 1263.4 | 1263.3 | 0.1049 | 0.1049 | | RQ |
| D PCB-155L | 31:31 | 318594 | 1.22 | 0.9499 | 20.5 | 20.5 | 0.0508 | 0.0508 | 103 | |
| * PCB-138L | 39:49 | 402494 | 1.21 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:49 | 402934 | 1.29 | 1.2544 | 16.0 | 16.0 | 0.1346 | 0.1346 | 79.80 | |
| D PCB-156L | 43:58 | 785375 | 1.30 | 1.2289 | 31.8 | 31.8 | 0.1374 | 0.1374 | 79.39 | |
| D PCB-157L (C156L) | 43:58 | 785375 | 1.30 | 1.2289 | 31.8 | 31.8 | 0.1374 | 0.1374 | 79.39 | |
| D PCB-169L | 47:12 | 417107 | 1.14 | 1.0883 | 19.0 | 19.0 | 0.1552 | 0.1552 | 95.22 | |
| PCB-155 | 31:32 | | | | | | 0.0336 | 0.0336 | | |
| PCB-152 | 31:42 | 3050 | 1.24 | 1.2556 | 0.1781 | 0.1525 | 0.0349 | 0.0349 | | RQ |
| PCB-150 | 31:53 | 28459 | 1.35 | 1.2368 | 1.444 | 1.444 | 0.0354 | 0.0354 | | |
| PCB-136 | 32:14 | 696544 | 1.29 | 1.1563 | 37.8 | 37.8 | 0.0379 | 0.0379 | | |
| PCB-145 | 32:34 | 3628 | 1.24 | 1.1910 | 0.2318 | 0.1912 | 0.0368 | 0.0368 | | RQMa |
| PCB-148 | 34:04 | 28766 | 1.40 | 0.8982 | 2.010 | 2.010 | 0.0488 | 0.0488 | | |
| PCB-135 | 34:38 | 1471063 | 1.27 | 0.8691 | 106.3 | 106.3 | 0.0504 | 0.0504 | | |
| PCB-151 (C135) | 34:38 | 1471063 | 1.27 | 0.8691 | 106.3 | 106.3 | 0.0504 | 0.0504 | | |
| PCB-154 | 34:54 | 169191 | 1.24 | 1.0180 | 10.4 | 10.4 | 0.0430 | 0.0430 | | |
| PCB-144 | 35:12 | 161642 | 1.24 | 0.9185 | 11.0 | 11.0 | 0.0477 | 0.0477 | | |
| PCB-147 | 35:35 | 4475975 | 1.25 | 0.9747 | 228.8 | 228.8 | 0.1427 | 0.1427 | | |
| PCB-149 (C147) | 35:35 | 4475975 | 1.25 | 0.9747 | 228.8 | 228.8 | 0.1427 | 0.1427 | | |
| PCB-134 | 35:46 | 277654 | 1.26 | 0.8518 | 16.2 | 16.2 | 0.1632 | 0.1632 | | a |
| PCB-143 (C134) | 35:46 | 277654 | 1.26 | 0.8518 | 16.2 | 16.2 | 0.1632 | 0.1632 | | a |
| PCB-139 | 36:11 | 128031 | 1.22 | 0.9995 | 6.383 | 6.383 | 0.1391 | 0.1391 | | |
| PCB-140 (C139) | 36:11 | 128031 | 1.22 | 0.9995 | 6.383 | 6.383 | 0.1391 | 0.1391 | | |
| PCB-131 | 36:22 | 64952 | 1.24 | 0.8584 | 3.771 | 3.771 | 0.1620 | 0.1620 | | |
| PCB-142 | 36:31 | | | | | | 0.1617 | 0.1617 | | |
| PCB-132 | 36:50 | 1586155 | 1.23 | 0.8801 | 89.8 | 89.8 | 0.1580 | 0.1580 | | |
| PCB-133 | 37:20 | 131977 | 1.23 | 0.9064 | 7.256 | 7.256 | 0.1534 | 0.1534 | | |
| PCB-165 | 37:44 | | | | | | 0.1240 | 0.1240 | | |
| PCB-146 | 37:59 | 1170236 | 1.24 | 1.0084 | 57.8 | 57.8 | 0.1379 | 0.1379 | | |
| PCB-161 | 38:07 | | | | | | 0.1040 | 0.1040 | | |
| PCB-153 | 38:36 | 5592865 | 1.27 | 1.2207 | 228.3 | 228.3 | 0.1139 | 0.1139 | | |
| PCB-168 (C153) | 38:36 | 5592865 | 1.27 | 1.2207 | 228.3 | 228.3 | 0.1139 | 0.1139 | | |
| PCB-141 | 38:48 | 824361 | 1.24 | 0.9608 | 42.8 | 42.8 | 0.1447 | 0.1447 | | |
| PCB-130 | 39:12 | 320243 | 1.21 | 0.8274 | 19.3 | 19.3 | 0.1680 | 0.1680 | | |
| PCB-137 | 39:25 | 237473 | 1.27 | 1.0582 | 11.2 | 11.2 | 0.1314 | 0.1314 | | |
| PCB-164 | 39:32 | 467140 | 1.26 | 1.2527 | 18.6 | 18.6 | 0.1110 | 0.1110 | | |
| PCB-129 | 39:50 | 5562391 | 1.25 | 1.0840 | 255.7 | 255.7 | 0.1283 | 0.1283 | | |
| PCB-138 (C129) | 39:50 | 5562391 | 1.25 | 1.0840 | 255.7 | 255.7 | 0.1283 | 0.1283 | | |
| PCB-160 (C129) | 39:50 | 5562391 | 1.25 | 1.0840 | 255.7 | 255.7 | 0.1283 | 0.1283 | | |
| PCB-163 (C129) | 39:50 | 5562391 | 1.25 | 1.0840 | 255.7 | 255.7 | 0.1283 | 0.1283 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:14 | 647030 | 1.25 | 1.3862 | 23.3 | 23.3 | 0.1003 | 0.1003 | | |
| PCB-128 | 41:06 | 892770 | 1.24 | 1.1165 | 39.8 | 39.8 | 0.1245 | 0.1245 | | Ma |
| PCB-166 (C128) | 41:06 | 892770 | 1.24 | 1.1165 | 39.8 | 39.8 | 0.1245 | 0.1245 | | Ma |
| PCB-159 | 42:04 | 76083 | 1.20 | 1.3178 | 2.877 | 2.877 | 0.1055 | 0.1055 | | |
| PCB-162 | 42:23 | 27072 | 1.15 | 1.3623 | 0.990 | 0.990 | 0.1021 | 0.1021 | | Ma |
| PCB-167 | 42:51 | 256784 | 1.27 | 1.3357 | 9.543 | 9.543 | 0.0874 | 0.0874 | | |
| PCB-156 | 43:58 | 788975 | 1.29 | 1.2759 | 31.5 | 31.5 | 0.1329 | 0.1329 | | |
| PCB-157 (C156) | 43:58 | 788975 | 1.29 | 1.2759 | 31.5 | 31.5 | 0.1329 | 0.1329 | | |
| PCB-169 | 47:13 | | | | | | 0.0927 | 0.0927 | | |
| S Total Heptachlorobiphen | | | | | 610.4 | 610.3 | 0.0398 | 0.0398 | | RQ |
| D PCB-188L | 37:14 | 343582 | 1.01 | 1.3162 | 15.6 | 15.6 | 0.1465 | 0.1465 | 78.12 | |
| $ PCB-178L | 40:17 | 274074 | 1.11 | 0.9222 | 17.8 | 17.8 | 0.2091 | 0.2091 | 88.93 | |
| * PCB-180L | 45:22 | 334184 | 1.09 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:38 | 222081 | 1.10 | 0.8357 | 15.9 | 15.9 | 0.2308 | 0.2308 | 79.52 | |
| D PCB-189L | 49:45 | 475166 | 1.06 | 1.4666 | 16.6 | 16.6 | 0.7352 | 0.7352 | 82.79 | |
| PCB-188 | 37:15 | | | | | | 0.0296 | 0.0296 | | |
| PCB-179 | 37:35 | 696476 | 1.06 | 1.4149 | 34.8 | 34.8 | 0.0318 | 0.0318 | | |
| PCB-184 | 38:07 | | | | | | 0.0317 | 0.0317 | | |
| PCB-176 | 38:28 | 204877 | 1.07 | 1.5212 | 9.524 | 9.524 | 0.0296 | 0.0296 | | |
| PCB-186 | 38:55 | | | | | | 0.0314 | 0.0314 | | |
| PCB-178 | 40:18 | 255441 | 1.09 | 1.0228 | 17.7 | 17.7 | 0.0440 | 0.0440 | | |
| PCB-175 | 40:56 | 48451 | 1.06 | 1.0690 | 3.205 | 3.205 | 0.0421 | 0.0421 | | |
| PCB-187 | 41:13 | 1530134 | 1.04 | 1.1106 | 97.4 | 97.4 | 0.0405 | 0.0405 | | |
| PCB-182 | 41:25 | 14076 | 1.05 | 1.1484 | 0.9719 | 0.8668 | 0.0392 | 0.0392 | | RQ |
| PCB-183 | 41:49 | 793219 | 1.06 | 1.1368 | 49.3 | 49.3 | 0.0396 | 0.0396 | | |
| PCB-185 (C183) | 41:49 | 793219 | 1.06 | 1.1368 | 49.3 | 49.3 | 0.0396 | 0.0396 | | |
| PCB-174 | 42:03 | 1064791 | 1.07 | 0.9547 | 78.9 | 78.9 | 0.0472 | 0.0472 | | |
| PCB-177 | 42:30 | 637333 | 1.07 | 0.9426 | 47.8 | 47.8 | 0.0478 | 0.0478 | | |
| PCB-181 | 42:53 | 12779 | 1.15 | 1.1075 | 0.8160 | 0.8160 | 0.0406 | 0.0406 | | |
| PCB-171 | 43:07 | 316195 | 1.06 | 0.9603 | 23.3 | 23.3 | 0.0469 | 0.0469 | | |
| PCB-173 (C171) | 43:07 | 316195 | 1.06 | 0.9603 | 23.3 | 23.3 | 0.0469 | 0.0469 | | |
| PCB-172 | 44:45 | 179847 | 1.07 | 0.9918 | 12.8 | 12.8 | 0.0454 | 0.0454 | | |
| PCB-192 | 45:01 | | | | | | 0.0349 | 0.0349 | | |
| PCB-180 | 45:24 | 2591096 | 1.05 | 1.2286 | 149.1 | 149.1 | 0.0366 | 0.0366 | | |
| PCB-193 (C180) | 45:24 | 2591096 | 1.05 | 1.2286 | 149.1 | 149.1 | 0.0366 | 0.0366 | | |
| PCB-191 | 45:45 | 61054 | 1.04 | 1.3848 | 3.118 | 3.118 | 0.0325 | 0.0325 | | |
| PCB-170 | 46:39 | 920081 | 1.07 | 1.2700 | 65.2 | 65.2 | 0.0453 | 0.0453 | | |
| PCB-190 | 47:10 | 270169 | 1.02 | 1.3774 | 13.9 | 13.9 | 0.0327 | 0.0327 | | |
| PCB-189 | 49:47 | 75708 | 1.07 | 1.2799 | 2.490 | 2.490 | 0.0675 | 0.0675 | | |
| S Total Octachlorobipheny | | | | | 141.0 | 141.0 | 0.1673 | 0.1673 | | |
| D PCB-202L | 42:36 | 313856 | 0.82 | 1.0055 | 18.7 | 18.7 | 0.0874 | 0.0874 | 93.40 | |
| * PCB-194L | 51:52 | 391335 | 0.87 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:20 | 378315 | 0.90 | 1.2867 | 15.0 | 15.0 | 0.3817 | 0.3817 | 75.13 | |
| PCB-202 | 42:38 | 117091 | 0.90 | 1.0531 | 7.085 | 7.085 | 0.0651 | 0.0651 | | |
| PCB-201 | 43:33 | 84288 | 0.94 | 1.1860 | 4.529 | 4.529 | 0.0578 | 0.0578 | | |
| PCB-204 | 44:13 | | | | | | 0.0623 | 0.0623 | | |
| PCB-197 | 44:28 | 26393 | 0.95 | 1.2053 | 1.395 | 1.395 | 0.0569 | 0.0569 | | |
| PCB-200 | 44:34 | 81017 | 0.93 | 1.1260 | 4.585 | 4.585 | 0.0609 | 0.0609 | | |
| PCB-198 | 47:22 | 457735 | 0.91 | 0.8183 | 35.6 | 35.6 | 0.0838 | 0.0838 | | |
| PCB-199 (C198) | 47:22 | 457735 | 0.91 | 0.8183 | 35.6 | 35.6 | 0.0838 | 0.0838 | | |
| PCB-196 | 48:01 | 229252 | 0.89 | 0.8748 | 16.7 | 16.7 | 0.0784 | 0.0784 | | |
| PCB-203 | 48:13 | 303535 | 0.93 | 0.9219 | 21.0 | 21.0 | 0.0743 | 0.0743 | | |
| PCB-195 | 49:32 | 222133 | 0.88 | 0.7839 | 15.0 | 15.0 | 0.5247 | 0.5247 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:53 | 586971 | 0.90 | 0.9282 | 33.4 | 33.4 | 0.4431 | 0.4431 | | |
| PCB-205 | 52:22 | 39742 | 1.01 | 1.2342 | 1.702 | 1.702 | 0.3333 | 0.3333 | | |
| S Total Nonachlorobipheny | | | | | 41.1 | 30.7 | 0.1775 | 0.1775 | | RQ |
| D PCB-208L | 49:17 | 355984 | 0.79 | 1.1383 | 16.0 | 16.0 | 0.4019 | 0.4019 | 79.92 | |
| D PCB-206L | 54:06 | 248252 | 0.74 | 0.8938 | 14.2 | 14.2 | 0.5118 | 0.5118 | 70.97 | |
| PCB-208 | 49:18 | 81370 | 0.77 | 1.1567 | 3.952 | 3.952 | 0.1584 | 0.1584 | | |
| PCB-207 | 50:14 | 35881 | 0.83 | 1.3964 | 1.701 | 1.701 | 0.1544 | 0.1544 | | |
| PCB-206 | 54:04 | 371117 | 0.77 | 1.1927 | 35.5 | 25.1 | 0.2197 | 0.2197 | | RQMa |
| D PCB-209L | 55:45 | 270017 | 0.72 | 0.9809 | 14.1 | 14.1 | 0.1201 | 0.1201 | 70.35 | |
| DCB Decachlorobiphenyl | 55:46 | 162321 | 0.74 | 1.2455 | 9.653 | 9.653 | 0.0395 | 0.0395 | | |
| S Polychlorinated bipheny | | | | | 4365.8 | 9.653 | 0.1098 | 0.1098 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d
Lims ID: 580-88908-A-29-C
Client ID: J5-SC1b-50to60-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 17:45:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 01:32:02 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 03-Oct-2019 23:24:56

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 11:57 | 12:01 | 13 | 0.738 | 249998 | 80738 | 351 | 877 | 230 | | M |
| 202.0766 | 11:56 | 12:01 | 12 | 0.737 | 89283 | 22053 | 1436 | 3590 | 15 | 2.80(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 14:02 | 14:05 | 8 | 0.866 | 309042 | 71257 | 351 | 877 | 203 | | |
| 202.0766 | 14:02 | 14:05 | 8 | 0.866 | 93516 | 22129 | 1436 | 3590 | 15 | 3.30(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:58 | 12:01 | 13 | 1.001 | 11000 | 3416 | 49 | 122 | 70 | | |
| 190.0363 | 11:57 | 12:01 | 12 | 1.000 | 3854 | 1204 | 23 | 57 | 52 | 2.85(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | RQ |
| 188.0393 | 13:53 | 13:55 | 8 | 0.989 | 1976 | 353 | 49 | 122 | 7 | | |
| 190.0363 | 13:53 | 13:55 | 8 | 0.989 | 1294 | 304 | 23 | 57 | 13 | 1.53(2.66-3.60) | |
| | Empc Correction | | | | 631 | 112 | 23 | 57 | 5 | | |
| PCB-3 | | | | | | | | | | | RQ |
| 188.0393 | 14:03 | 14:05 | 8 | 1.001 | 11245 | 2589 | 49 | 122 | 53 | | |
| 190.0363 | 14:03 | 14:05 | 8 | 1.001 | 4798 | 1022 | 23 | 57 | 44 | 2.34(2.66-3.60) | |
| | Empc Correction | | | | 3592 | 827 | 23 | 57 | 36 | | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:16 | 14:19 | 7 | 0.881 | 114125 | 23200 | 602 | 1505 | 39 | | |
| 236.0376 | 14:16 | 14:19 | 7 | 0.881 | 68022 | 14400 | 159 | 397 | 91 | 1.68(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:12 | 16:07 | 5 | | 303805 | 80210 | 602 | 1505 | 133 | | |
| 236.0376 | 16:12 | 16:07 | 5 | | 174200 | 43939 | 159 | 397 | 276 | 1.74(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | Ma |
| 234.0406 | 20:04 | 20:05 | 3 | 1.238 | 236522 | 63894 | 602 | 1505 | 106 | | M |
| 236.0376 | 20:04 | 20:05 | 3 | 1.238 | 159380 | 43178 | 159 | 397 | 272 | 1.48(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:18 | 14:20 | 7 | 1.002 | 12502 | 2740 | 105 | 262 | 26 | | |
| 223.9974 | 14:18 | 14:20 | 7 | 1.002 | 8260 | 1990 | 58 | 145 | 34 | 1.51(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:30 | | | | | | 105 | 262 | | | |
| 223.9974 | 14:30 | | | | | | 58 | 145 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:13 | 16:19 | 5 | 1.137 | 5782 | 1627 | 105 | 262 | 15 | | |
| 223.9974 | 16:12 | 16:19 | 4 | 1.136 | 3356 | 846 | 58 | 145 | 15 | 1.72(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | a |
| 222.0003 | 16:23 | 16:29 | 4 | 1.148 | 4180 | 1168 | 105 | 262 | 11 | | a |
| 223.9974 | 16:23 | 16:29 | 4 | 1.148 | 3033 | 755 | 58 | 145 | 13 | 1.38(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | a |
| 222.0003 | 16:37 | 16:43 | 4 | 1.164 | 19761 | 5065 | 105 | 262 | 48 | | a |
| 223.9974 | 16:37 | 16:43 | 4 | 1.164 | 11489 | 3073 | 58 | 145 | 53 | 1.72(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | | | | | | 105 | 262 | | | |
| 223.9974 | 16:56 | | | | | | 58 | 145 | | | |
| PCB-8 | | | | | | | | | | | a |
| 222.0003 | 17:03 | 17:03 | 4 | 1.194 | 69565 | 18294 | 105 | 262 | 174 | | a |
| 223.9974 | 17:02 | 17:03 | 3 | 1.194 | 45201 | 11311 | 58 | 145 | 195 | 1.54(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | | | | | | 105 | 262 | | | |
| 223.9974 | 18:37 | | | | | | 58 | 145 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:29 | | | | | | 105 | 262 | | | |
| 223.9974 | 19:29 | | | | | | 58 | 145 | | | |
| PCB-12 | | | | | | | | | | | RQMa |
| 222.0003 | 19:45 | 19:47 | 0 | 0.984 | 7624 | 1290 | 105 | 262 | 12 | | M |
| 223.9974 | 19:45 | 19:47 | 0 | 0.984 | 5769 | 1075 | 58 | 145 | 19 | 1.32(1.33-1.79) | |
| | Empc Correction | | | | 4887 | 826 | 58 | 145 | 14 | | |
| PCB-13 (C12) | | | | | | | | | | | RQMa |
| 222.0003 | 19:45 | 19:47 | 0 | 0.984 | 7624 | 1290 | 105 | 262 | 12 | | M |
| 223.9974 | 19:45 | 19:47 | 0 | 0.984 | 5769 | 1075 | 58 | 145 | 19 | 1.32(1.33-1.79) | |
| | Empc Correction | | | | 4887 | 826 | 58 | 145 | 14 | | |
| PCB-15 | | | | | | | | | | | M |
| 222.0003 | 20:05 | 20:05 | 3 | 1.001 | 51117 | 12145 | 105 | 262 | 116 | | M |
| 223.9974 | 20:05 | 20:05 | 3 | 1.001 | 31472 | 7410 | 58 | 145 | 128 | 1.62(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:17 | 4 | 0.843 | 80363 | 21392 | 432 | 1080 | 50 | | |
| 269.9986 | 17:19 | 17:17 | 4 | 0.843 | 76652 | 21202 | 500 | 1250 | 42 | 1.05(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:29 | 3 | | 171072 | 42043 | 432 | 1080 | 97 | | |
| 269.9986 | 20:31 | 20:29 | 2 | | 162155 | 41617 | 500 | 1250 | 83 | 1.05(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:46 | 22:45 | 1 | | 392103 | 92982 | 453 | 1132 | 205 | | |
| 269.9986 | 22:46 | 22:45 | 1 | | 346697 | 83668 | 172 | 430 | 486 | 1.13(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:05 | 1 | 1.013 | 326096 | 76825 | 453 | 1132 | 170 | | |
| 269.9986 | 23:04 | 23:05 | 1 | 1.013 | 314146 | 75987 | 172 | 430 | 442 | 1.04(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:03 | 27:05 | 1 | 1.188 | 304355 | 62998 | 453 | 1132 | 139 | | |
| 269.9986 | 27:02 | 27:05 | 0 | 1.188 | 274130 | 58923 | 172 | 430 | 343 | 1.11(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:22 | 4 | 1.002 | 5079 | 1419 | 58 | 145 | 24 | | |
| 257.9584 | 17:20 | 17:22 | 3 | 1.001 | 4995 | 1492 | 45 | 112 | 33 | 1.02(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:12 | 4 | 1.107 | 83718 | 21950 | 58 | 145 | 378 | | |
| 257.9584 | 19:10 | 19:12 | 4 | 1.107 | 76737 | 20309 | 45 | 112 | 451 | 1.09(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:12 | 4 | 1.107 | 83718 | 21950 | 58 | 145 | 378 | | |
| 257.9584 | 19:10 | 19:12 | 4 | 1.107 | 76737 | 20309 | 45 | 112 | 451 | 1.09(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:35 | 19:36 | 2 | 1.131 | 45942 | 12065 | 58 | 145 | 208 | | |
| 257.9584 | 19:35 | 19:36 | 2 | 1.131 | 43609 | 11247 | 45 | 112 | 250 | 1.05(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | 19:51 | 3 | 1.144 | 7617 | 2004 | 58 | 145 | 35 | | |
| 257.9584 | 19:47 | 19:51 | 2 | 1.143 | 8061 | 1975 | 45 | 112 | 44 | 0.94(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | Ma |
| 255.9613 | 19:55 | 19:59 | 2 | 1.150 | 1140 | 385 | 58 | 145 | 7 | | M |
| 257.9584 | 19:55 | 19:59 | 2 | 1.150 | 1285 | 369 | 45 | 112 | 8 | 0.89(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | M |
| 255.9613 | 20:02 | 20:02 | 2 | 1.157 | 27256 | 7060 | 58 | 145 | 122 | | M |
| 257.9584 | 20:02 | 20:02 | 2 | 1.157 | 24268 | 5908 | 45 | 112 | 131 | 1.12(0.88-1.20) | M |
| PCB-32 | | | | | | | | | | | a |
| 255.9613 | 20:33 | 20:34 | 2 | 1.187 | 40284 | 10217 | 58 | 145 | 176 | | a |
| 257.9584 | 20:33 | 20:34 | 2 | 1.187 | 40362 | 10327 | 45 | 112 | 229 | 1.00(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | a |
| 255.9613 | 21:48 | 21:53 | 1 | 1.259 | 6570 | 1826 | 253 | 632 | 7 | | a |
| 257.9584 | 21:48 | 21:53 | 1 | 1.259 | 5861 | 1809 | 222 | 555 | 8 | 1.12(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | | | | | | 253 | 632 | | | |
| 257.9584 | 22:02 | | | | | | 222 | 555 | | | |
| PCB-26 | | | | | | | | | | | a |
| 255.9613 | 22:15 | 22:15 | 0 | 1.285 | 109837 | 28434 | 253 | 632 | 112 | | a |
| 257.9584 | 22:15 | 22:15 | 0 | 1.285 | 109921 | 27453 | 222 | 555 | 124 | 1.00(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | a |
| 255.9613 | 22:15 | 22:15 | 0 | 1.285 | 109837 | 28434 | 253 | 632 | 112 | | a |
| 257.9584 | 22:15 | 22:15 | 0 | 1.285 | 109921 | 27453 | 222 | 555 | 124 | 1.00(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:29 | 22:28 | 1 | 0.831 | 60553 | 14401 | 253 | 632 | 57 | | |
| 257.9584 | 22:29 | 22:28 | 1 | 0.831 | 56617 | 12943 | 222 | 555 | 58 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:46 | 1 | 0.842 | 347377 | 85140 | 253 | 632 | 337 | | |
| 257.9584 | 22:48 | 22:46 | 1 | 0.842 | 330989 | 82397 | 222 | 555 | 371 | 1.05(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:04 | 1 | 0.853 | 527149 | 127589 | 253 | 632 | 504 | | |
| 257.9584 | 23:05 | 23:04 | 1 | 0.853 | 500232 | 119704 | 222 | 555 | 539 | 1.05(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:04 | 1 | 0.853 | 527149 | 127589 | 253 | 632 | 504 | | |
| 257.9584 | 23:05 | 23:04 | 1 | 0.853 | 500232 | 119704 | 222 | 555 | 539 | 1.05(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:18 | 1 | 0.862 | 206984 | 50022 | 253 | 632 | 198 | | |
| 257.9584 | 23:20 | 23:18 | 1 | 0.862 | 198293 | 47914 | 222 | 555 | 216 | 1.04(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:18 | 1 | 0.862 | 206984 | 50022 | 253 | 632 | 198 | | |
| 257.9584 | 23:20 | 23:18 | 1 | 0.862 | 198293 | 47914 | 222 | 555 | 216 | 1.04(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:43 | 23:42 | 1 | 0.876 | 87685 | 19465 | 253 | 632 | 77 | | |
| 257.9584 | 23:43 | 23:42 | 1 | 0.876 | 79599 | 18816 | 222 | 555 | 85 | 1.10(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:15 | | | | | | 253 | 632 | | | |
| 257.9584 | 25:15 | | | | | | 222 | 555 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:39 | 25:36 | 2 | 0.948 | 10353 | 1917 | 253 | 632 | 8 | | |
| 257.9584 | 25:39 | 25:36 | 2 | 0.948 | 10916 | 1863 | 222 | 555 | 8 | 0.95(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:11 | | | | | | 253 | 632 | | | |
| 257.9584 | 26:11 | | | | | | 222 | 555 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:40 | 26:39 | 1 | 0.985 | 4501 | 1249 | 253 | 632 | 5 | | |
| 257.9584 | 26:40 | 26:39 | 1 | 0.985 | 4938 | 1246 | 222 | 555 | 6 | 0.91(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:04 | 27:03 | 1 | 1.000 | 126307 | 26044 | 253 | 632 | 103 | | |
| 257.9584 | 27:04 | 27:03 | 1 | 1.000 | 112863 | 24485 | 222 | 555 | 110 | 1.12(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:20 | 2 | 0.818 | 70459 | 16965 | 86 | 215 | 197 | | |
| 303.9597 | 20:21 | 20:20 | 2 | 0.818 | 91550 | 23168 | 49 | 122 | 473 | 0.77(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:53 | 24:53 | 0 | | 184627 | 44705 | 126 | 315 | 355 | | |
| 303.9597 | 24:54 | 24:53 | 1 | | 212864 | 50623 | 66 | 165 | 767 | 0.87(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:47 | 33:48 | 0 | 1.358 | 193634 | 38879 | 126 | 315 | 309 | | |
| 303.9597 | 33:48 | 33:48 | 1 | 1.359 | 240587 | 50109 | 66 | 165 | 759 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | Ma |
| 301.9626 | 34:22 | 34:22 | 1 | 1.381 | 216582 | 41429 | 126 | 315 | 329 | | M |
| 303.9597 | 34:21 | 34:22 | 0 | 1.381 | 243503 | 51373 | 66 | 165 | 778 | 0.89(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:23 | 20:21 | 2 | 1.000 | 495 | 146 | 6 | 15 | 24 | | |
| 291.9194 | 20:23 | 20:21 | 2 | 1.000 | 743 | 209 | 13 | 32 | 16 | 0.67(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | 0 | 1.106 | 49841 | 11728 | 137 | 342 | 86 | | |
| 291.9194 | 22:31 | 22:34 | 0 | 1.106 | 65419 | 15440 | 104 | 260 | 148 | 0.76(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | 0 | 1.106 | 49841 | 11728 | 137 | 342 | 86 | | |
| 291.9194 | 22:31 | 22:34 | 0 | 1.106 | 65419 | 15440 | 104 | 260 | 148 | 0.76(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:10 | 23:16 | -5 | 1.139 | 52650 | 7681 | 137 | 342 | 56 | | M |
| 291.9194 | 23:11 | 23:16 | -4 | 1.139 | 66003 | 10366 | 104 | 260 | 100 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:10 | 23:16 | -5 | 1.139 | 52650 | 7681 | 137 | 342 | 56 | | M |
| 291.9194 | 23:11 | 23:16 | -4 | 1.139 | 66003 | 10366 | 104 | 260 | 100 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:30 | 23:32 | 1 | 1.154 | 15898 | 4134 | 137 | 342 | 30 | | |
| 291.9194 | 23:30 | 23:32 | 1 | 1.154 | 20790 | 4774 | 104 | 260 | 46 | 0.76(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:54 | 24:56 | 1 | 1.224 | 1295710 | 299260 | 137 | 342 | 2184 | | |
| 291.9194 | 24:54 | 24:56 | 1 | 1.224 | 1628734 | 377241 | 104 | 260 | 3627 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | RQMa |
| 289.9224 | 25:09 | 25:06 | 6 | 1.236 | 11048 | 2490 | 137 | 342 | 18 | | M |
| | Empc Correction | | | | 9408 | 2316 | 137 | 342 | 17 | | |
| 291.9194 | 25:10 | 25:06 | 7 | 1.236 | 12219 | 3008 | 104 | 260 | 29 | 0.90(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | RQMa |
| 289.9224 | 25:09 | 25:06 | 6 | 1.236 | 11048 | 2490 | 137 | 342 | 18 | | M |
| | Empc Correction | | | | 9408 | 2316 | 137 | 342 | 17 | | |
| 291.9194 | 25:10 | 25:06 | 7 | 1.236 | 12219 | 3008 | 104 | 260 | 29 | 0.90(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | M |
| 289.9224 | 25:24 | 25:24 | 3 | 1.248 | 756358 | 176674 | 137 | 342 | 1290 | | M |
| 291.9194 | 25:24 | 25:24 | 3 | 1.248 | 953258 | 221959 | 104 | 260 | 2134 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | M |
| 289.9224 | 25:24 | 25:24 | 3 | 1.248 | 756358 | 176674 | 137 | 342 | 1290 | | M |
| 291.9194 | 25:24 | 25:24 | 3 | 1.248 | 953258 | 221959 | 104 | 260 | 2134 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:41 | 25:44 | 1 | 1.262 | 60496 | 14233 | 137 | 342 | 104 | | |
| 291.9194 | 25:41 | 25:44 | 1 | 1.262 | 77371 | 18273 | 104 | 260 | 176 | 0.78(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -1 | 1.273 | 710549 | 120025 | 137 | 342 | 876 | | |
| 291.9194 | 25:54 | 25:58 | -1 | 1.273 | 886437 | 147967 | 104 | 260 | 1423 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -1 | 1.273 | 710549 | 120025 | 137 | 342 | 876 | | |
| 291.9194 | 25:54 | 25:58 | -1 | 1.273 | 886437 | 147967 | 104 | 260 | 1423 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -1 | 1.273 | 710549 | 120025 | 137 | 342 | 876 | | |
| 291.9194 | 25:54 | 25:58 | -1 | 1.273 | 886437 | 147967 | 104 | 260 | 1423 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:16 | 4 | 1.291 | 56963 | 8822 | 137 | 342 | 64 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.290 | 72483 | 11718 | 104 | 260 | 113 | 0.79(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:16 | 4 | 1.291 | 56963 | 8822 | 137 | 342 | 64 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.290 | 72483 | 11718 | 104 | 260 | 113 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:16 | 4 | 1.291 | 56963 | 8822 | 137 | 342 | 64 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.290 | 72483 | 11718 | 104 | 260 | 113 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:26 | 26:26 | 1 | 1.299 | 134059 | 30296 | 137 | 342 | 221 | | |
| 291.9194 | 26:26 | 26:26 | 1 | 1.299 | 170991 | 39164 | 104 | 260 | 377 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:56 | 0 | 1.323 | 197359 | 40803 | 137 | 342 | 298 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.323 | 249362 | 51447 | 104 | 260 | 495 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:56 | 0 | 1.323 | 197359 | 40803 | 137 | 342 | 298 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.323 | 249362 | 51447 | 104 | 260 | 495 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:56 | 0 | 1.323 | 197359 | 40803 | 137 | 342 | 298 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.323 | 249362 | 51447 | 104 | 260 | 495 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | Ma |
| 289.9224 | 27:08 | 27:08 | 0 | 1.333 | 276684 | 62118 | 137 | 342 | 453 | | M |
| 291.9194 | 27:08 | 27:08 | 0 | 1.333 | 333822 | 76784 | 104 | 260 | 738 | 0.83(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:58 | 27:57 | 1 | 0.828 | 61065 | 13667 | 137 | 342 | 100 | | |
| 291.9194 | 27:58 | 27:57 | 1 | 0.828 | 74181 | 16817 | 104 | 260 | 162 | 0.82(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | Ma |
| 289.9224 | 28:16 | 28:16 | 1 | 0.836 | 32731 | 6938 | 137 | 342 | 51 | | M |
| 291.9194 | 28:16 | 28:16 | 1 | 0.836 | 41701 | 8537 | 104 | 260 | 82 | 0.78(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | RQ |
| 289.9224 | 28:42 | 28:40 | 2 | 0.849 | 10154 | 2085 | 137 | 342 | 15 | | |
| | Empc Correction | | | | 8029 | 1756 | 137 | 342 | 13 | | |
| 291.9194 | 28:41 | 28:40 | 1 | 0.849 | 10428 | 2281 | 104 | 260 | 22 | 0.97(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | RQMa |
| 289.9224 | 28:55 | 28:54 | 0 | 0.856 | 12335 | 3375 | 137 | 342 | 25 | | M |
| | Empc Correction | | | | 9322 | 2747 | 137 | 342 | 20 | | |
| 291.9194 | 28:55 | 28:54 | 0 | 0.856 | 12107 | 3568 | 104 | 260 | 34 | 1.02(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:05 | 29:04 | 1 | 0.861 | 20953 | 4523 | 137 | 342 | 33 | | |
| 291.9194 | 29:05 | 29:04 | 0 | 0.861 | 27753 | 6192 | 104 | 260 | 60 | 0.75(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:21 | 29:20 | 0 | 0.869 | 36144 | 8315 | 137 | 342 | 61 | | |
| 291.9194 | 29:21 | 29:20 | 0 | 0.869 | 46307 | 10513 | 104 | 260 | 101 | 0.78(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1738299 | 298411 | 137 | 342 | 2178 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 2182633 | 373909 | 104 | 260 | 3595 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1738299 | 298411 | 137 | 342 | 2178 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 2182633 | 373909 | 104 | 260 | 3595 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1738299 | 298411 | 137 | 342 | 2178 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 2182633 | 373909 | 104 | 260 | 3595 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1738299 | 298411 | 137 | 342 | 2178 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 2182633 | 373909 | 104 | 260 | 3595 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:00 | 30:01 | 1 | 0.888 | 968759 | 198776 | 137 | 342 | 1451 | | M |
| 291.9194 | 30:00 | 30:01 | 1 | 0.888 | 1205394 | 253968 | 104 | 260 | 2442 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | RQMa |
| 289.9224 | 30:10 | 30:09 | 0 | 0.893 | 6064 | 1538 | 137 | 342 | 11 | | M |
| | Empc Correction | | | | 4360 | 1207 | 137 | 342 | 9 | | |
| 291.9194 | 30:10 | 30:09 | 0 | 0.893 | 5663 | 1568 | 104 | 260 | 15 | 1.07(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:40 | 30:39 | 0 | 0.908 | 269679 | 58626 | 137 | 342 | 428 | | |
| 291.9194 | 30:40 | 30:39 | 0 | 0.908 | 339748 | 74825 | 104 | 260 | 719 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:53 | 30:52 | 0 | 0.914 | 42504 | 8709 | 137 | 342 | 64 | | |
| 291.9194 | 30:52 | 30:52 | -1 | 0.914 | 50645 | 10103 | 104 | 260 | 97 | 0.84(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:17 | | | | | | 137 | 342 | | | |
| 291.9194 | 31:17 | | | | | | 104 | 260 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:50 | 32:48 | 1 | 0.972 | 47159 | 9481 | 137 | 342 | 69 | | |
| 291.9194 | 32:49 | 32:48 | 0 | 0.971 | 58449 | 11785 | 104 | 260 | 113 | 0.81(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:22 | | | | | | 137 | 342 | | | |
| 291.9194 | 33:22 | | | | | | 104 | 260 | | | |
| PCB-81 | | | | | | | | | | | Ma |
| 289.9224 | 33:47 | 33:48 | -1 | 1.000 | 3510 | 1305 | 137 | 342 | 10 | | M |
| 291.9194 | 33:46 | 33:48 | -2 | 1.000 | 4522 | 2615 | 104 | 260 | 25 | 0.78(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:22 | 34:22 | 0 | 1.000 | 69116 | 13653 | 137 | 342 | 100 | | |
| 291.9194 | 34:22 | 34:22 | 0 | 1.000 | 83692 | 17292 | 104 | 260 | 166 | 0.83(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:49 | 1 | 0.815 | 187347 | 43117 | 58 | 145 | 743 | | |
| 339.9178 | 25:50 | 25:49 | 1 | 0.814 | 125235 | 28896 | 60 | 150 | 482 | 1.50(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:44 | 31:43 | 0 | | 205875 | 45272 | 58 | 145 | 781 | | |
| 339.9178 | 31:44 | 31:43 | 0 | | 120876 | 25141 | 60 | 150 | 419 | 1.70(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:25 | 34:24 | 0 | 1.085 | 229702 | 53577 | 58 | 145 | 924 | | |
| 339.9178 | 34:25 | 34:24 | 0 | 1.085 | 141043 | 30849 | 60 | 150 | 514 | 1.63(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:22 | 36:22 | 0 | 1.146 | 255329 | 54268 | 462 | 1155 | 117 | | |
| 339.9178 | 36:22 | 36:22 | 0 | 1.146 | 162291 | 35597 | 260 | 650 | 137 | 1.57(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:41 | 36:42 | 0 | 1.156 | 282752 | 59601 | 462 | 1155 | 129 | | |
| 339.9178 | 36:42 | 36:42 | 0 | 1.157 | 165372 | 32657 | 260 | 650 | 126 | 1.71(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:13 | 37:13 | 0 | 1.173 | 267103 | 53650 | 462 | 1155 | 116 | | |
| 339.9178 | 37:13 | 37:13 | 0 | 1.173 | 158148 | 30496 | 260 | 650 | 117 | 1.69(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:52 | 37:51 | 0 | 1.194 | 260223 | 52764 | 462 | 1155 | 114 | | |
| 339.9178 | 37:52 | 37:51 | 0 | 1.194 | 173005 | 34154 | 260 | 650 | 131 | 1.50(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:21 | 39:20 | 1 | | 322535 | 65711 | 462 | 1155 | 142 | | |
| 339.9178 | 39:21 | 39:20 | 1 | | 206443 | 42180 | 260 | 650 | 162 | 1.56(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:57 | 40:57 | 1 | 1.291 | 259501 | 52071 | 462 | 1155 | 113 | | |
| 339.9178 | 40:57 | 40:57 | 1 | 1.291 | 155492 | 29296 | 260 | 650 | 113 | 1.67(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:51 | | | | | | 85 | 212 | | | |
| 327.8775 | 25:51 | | | | | | 30 | 75 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | | | | | | 85 | 212 | | | |
| 327.8775 | 26:14 | | | | | | 30 | 75 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:09 | 28:10 | 0 | 1.089 | 66386 | 14982 | 85 | 212 | 176 | | |
| 327.8775 | 28:09 | 28:10 | 0 | 1.089 | 43042 | 9653 | 30 | 75 | 322 | 1.54(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:23 | | | | | | 85 | 212 | | | |
| 327.8775 | 28:23 | | | | | | 30 | 75 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:49 | 28:49 | 0 | 1.115 | 1809328 | 398834 | 85 | 212 | 4692 | | |
| 327.8775 | 28:49 | 28:49 | 0 | 1.115 | 1138132 | 252906 | 30 | 75 | 8430 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 0 | 1.123 | 39011 | 7473 | 85 | 212 | 88 | | |
| 327.8775 | 29:02 | 29:02 | 0 | 1.123 | 24412 | 4514 | 30 | 75 | 150 | 1.60(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 0 | 1.123 | 39011 | 7473 | 85 | 212 | 88 | | |
| 327.8775 | 29:02 | 29:02 | 0 | 1.123 | 24412 | 4514 | 30 | 75 | 150 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:11 | -1 | 1.129 | 66549 | 10890 | 85 | 212 | 128 | | |
| 327.8775 | 29:11 | 29:11 | 0 | 1.129 | 39614 | 6813 | 30 | 75 | 227 | 1.68(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:11 | -1 | 1.129 | 66549 | 10890 | 85 | 212 | 128 | | |
| 327.8775 | 29:11 | 29:11 | 0 | 1.129 | 39614 | 6813 | 30 | 75 | 227 | 1.68(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 0 | 1.148 | 352755 | 75316 | 85 | 212 | 886 | | |
| 327.8775 | 29:41 | 29:41 | 0 | 1.148 | 219344 | 47903 | 30 | 75 | 1597 | 1.61(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 0 | 1.148 | 352755 | 75316 | 85 | 212 | 886 | | |
| 327.8775 | 29:41 | 29:41 | 0 | 1.148 | 219344 | 47903 | 30 | 75 | 1597 | 1.61(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:54 | 29:54 | 0 | 1.157 | 494361 | 108336 | 85 | 212 | 1275 | | |
| 327.8775 | 29:54 | 29:54 | 0 | 1.157 | 304855 | 63902 | 30 | 75 | 2130 | 1.62(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:23 | 30:23 | 0 | 1.175 | 16384 | 3098 | 85 | 212 | 36 | | |
| 327.8775 | 30:22 | 30:23 | -1 | 1.175 | 9280 | 1644 | 30 | 75 | 55 | 1.77(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:48 | | | | | | 85 | 212 | | | |
| 327.8775 | 30:48 | | | | | | 30 | 75 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:10 | 31:09 | 0 | 0.857 | 613299 | 132790 | 85 | 212 | 1562 | | |
| 327.8775 | 31:10 | 31:09 | 0 | 0.857 | 388201 | 84627 | 30 | 75 | 2821 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 1 | 1.229 | 2870582 | 608608 | 85 | 212 | 7160 | | |
| 327.8775 | 31:45 | 31:45 | 1 | 1.229 | 1802554 | 382304 | 30 | 75 | 12743 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 1 | 1.229 | 2870582 | 608608 | 85 | 212 | 7160 | | |
| 327.8775 | 31:45 | 31:45 | 1 | 1.229 | 1802554 | 382304 | 30 | 75 | 12743 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 1 | 1.229 | 2870582 | 608608 | 85 | 212 | 7160 | | |
| 327.8775 | 31:45 | 31:45 | 1 | 1.229 | 1802554 | 382304 | 30 | 75 | 12743 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:19 | 32:19 | -1 | 1.251 | 1494979 | 287508 | 85 | 212 | 3382 | | M |
| 327.8775 | 32:19 | 32:19 | -1 | 1.251 | 937450 | 181895 | 30 | 75 | 6063 | 1.59(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:19 | 32:19 | -1 | 1.251 | 1494979 | 287508 | 85 | 212 | 3382 | | M |
| 327.8775 | 32:19 | 32:19 | -1 | 1.251 | 937450 | 181895 | 30 | 75 | 6063 | 1.59(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:27 | | | | | | 85 | 212 | | | |
| 327.8775 | 32:27 | | | | | | 30 | 75 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 1649584 | 181342 | 85 | 212 | 2133 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1035061 | 115615 | 30 | 75 | 3854 | 1.59(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 1649584 | 181342 | 85 | 212 | 2133 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1035061 | 115615 | 30 | 75 | 3854 | 1.59(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 1649584 | 181342 | 85 | 212 | 2133 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1035061 | 115615 | 30 | 75 | 3854 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 1649584 | 181342 | 85 | 212 | 2133 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1035061 | 115615 | 30 | 75 | 3854 | 1.59(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 1649584 | 181342 | 85 | 212 | 2133 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1035061 | 115615 | 30 | 75 | 3854 | 1.59(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 1649584 | 181342 | 85 | 212 | 2133 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1035061 | 115615 | 30 | 75 | 3854 | 1.59(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:42 | 1 | 1.298 | 384925 | 65801 | 85 | 212 | 774 | | |
| 327.8775 | 33:33 | 33:42 | 1 | 1.298 | 236554 | 41192 | 30 | 75 | 1373 | 1.63(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:42 | 1 | 1.298 | 384925 | 65801 | 85 | 212 | 774 | | |
| 327.8775 | 33:33 | 33:42 | 1 | 1.298 | 236554 | 41192 | 30 | 75 | 1373 | 1.63(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:42 | 1 | 1.298 | 384925 | 65801 | 85 | 212 | 774 | | |
| 327.8775 | 33:33 | 33:42 | 1 | 1.298 | 236554 | 41192 | 30 | 75 | 1373 | 1.63(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:43 | 33:42 | -4 | 1.304 | 3460892 | 712965 | 85 | 212 | 8388 | | a |
| 327.8775 | 33:43 | 33:42 | -4 | 1.304 | 2190329 | 454596 | 30 | 75 | 15153 | 1.58(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:43 | 33:42 | -4 | 1.304 | 3460892 | 712965 | 85 | 212 | 8388 | | a |
| 327.8775 | 33:43 | 33:42 | -4 | 1.304 | 2190329 | 454596 | 30 | 75 | 15153 | 1.58(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:02 | 34:02 | 0 | 1.317 | 197627 | 37314 | 85 | 212 | 439 | | |
| 327.8775 | 34:02 | 34:02 | 0 | 1.317 | 120202 | 24163 | 30 | 75 | 805 | 1.64(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:27 | | | | | | 85 | 212 | | | |
| 327.8775 | 34:27 | | | | | | 30 | 75 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:54 | 34:53 | 0 | 1.350 | 38762 | 6971 | 85 | 212 | 82 | | |
| 327.8775 | 34:54 | 34:53 | 0 | 1.350 | 25860 | 4615 | 30 | 75 | 154 | 1.50(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:02 | 36:03 | 0 | 1.394 | 114149 | 24250 | 497 | 1242 | 49 | | |
| 327.8775 | 36:02 | 36:03 | 0 | 1.394 | 74571 | 14930 | 195 | 487 | 77 | 1.53(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:02 | 36:03 | 0 | 1.394 | 114149 | 24250 | 497 | 1242 | 49 | | |
| 327.8775 | 36:02 | 36:03 | 0 | 1.394 | 74571 | 14930 | 195 | 487 | 77 | 1.53(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | Ma |
| 325.8804 | 36:16 | 36:15 | 0 | 1.403 | 330934 | 67931 | 497 | 1242 | 137 | | M |
| 327.8775 | 36:16 | 36:15 | 0 | 1.403 | 213338 | 42807 | 195 | 487 | 220 | 1.55(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:23 | 36:22 | 0 | 1.001 | 45907 | 10537 | 497 | 1242 | 21 | | M |
| 327.8775 | 36:23 | 36:22 | 0 | 1.001 | 32147 | 6965 | 195 | 487 | 36 | 1.43(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:29 | | | | | | 497 | 1242 | | | |
| 327.8775 | 36:29 | | | | | | 195 | 487 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:43 | 36:41 | 0 | 1.001 | 3442087 | 689926 | 497 | 1242 | 1388 | | |
| 327.8775 | 36:43 | 36:41 | 0 | 1.001 | 2205632 | 445515 | 195 | 487 | 2285 | 1.56(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:03 | 37:02 | 0 | 1.010 | 43251 | 8344 | 497 | 1242 | 17 | | |
| 327.8775 | 37:03 | 37:02 | 0 | 1.010 | 25925 | 4190 | 195 | 487 | 21 | 1.67(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | Ma |
| 325.8804 | 37:14 | 37:14 | 0 | 1.000 | 64619 | 12079 | 497 | 1242 | 24 | | M |
| 327.8775 | 37:14 | 37:14 | 0 | 1.000 | 38756 | 7701 | 195 | 487 | 39 | 1.67(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:53 | 37:53 | 0 | 1.001 | 994267 | 194186 | 497 | 1242 | 391 | | |
| 327.8775 | 37:53 | 37:53 | 0 | 1.001 | 623761 | 123654 | 195 | 487 | 634 | 1.59(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:21 | | | | | | 497 | 1242 | | | |
| 327.8775 | 39:21 | | | | | | 195 | 487 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 41:00 | 40:57 | 2 | 1.001 | 9176 | 1794 | 497 | 1242 | 4 | | M |
| 327.8775 | 40:58 | 40:57 | 0 | 1.000 | 5392 | 1258 | 195 | 487 | 6 | 1.70(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:31 | 31:30 | 0 | 0.791 | 175243 | 36929 | 24 | 60 | 1539 | | |
| 373.8788 | 31:30 | 31:30 | -1 | 0.791 | 143351 | 29258 | 44 | 110 | 665 | 1.22(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:49 | 39:48 | 1 | | 220662 | 45450 | 136 | 340 | 334 | | |
| 373.8788 | 39:49 | 39:48 | 1 | | 181832 | 35683 | 138 | 345 | 259 | 1.21(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:49 | 42:49 | 0 | 1.076 | 227323 | 45407 | 136 | 340 | 334 | | |
| 373.8788 | 42:49 | 42:49 | 0 | 1.076 | 175611 | 37694 | 138 | 345 | 273 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:57 | 1 | 1.105 | 444299 | 64726 | 136 | 340 | 476 | | |
| 373.8788 | 43:58 | 43:57 | 1 | 1.105 | 341076 | 49659 | 138 | 345 | 360 | 1.30(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:57 | 1 | 1.105 | 444299 | 64726 | 136 | 340 | 476 | | |
| 373.8788 | 43:58 | 43:57 | 1 | 1.105 | 341076 | 49659 | 138 | 345 | 360 | 1.30(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:12 | 47:12 | 0 | 1.186 | 222468 | 44054 | 136 | 340 | 324 | | |
| 373.8788 | 47:13 | 47:12 | 1 | 1.186 | 194639 | 37499 | 138 | 345 | 272 | 1.14(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:31 | | | | | | 40 | 100 | | | |
| 361.8385 | 31:31 | | | | | | 18 | 45 | | | |
| PCB-152 | | | | | | | | | | | RQ |
| 359.8415 | 31:42 | 31:42 | -1 | 1.006 | 2201 | 458 | 40 | 100 | 11 | | |
| | Empc Correction | | | | 1688 | 543 | 40 | 100 | 14 | | |
| 361.8385 | 31:42 | 31:42 | -1 | 1.006 | 1362 | 438 | 18 | 45 | 24 | 1.62(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | 31:53 | 0 | 1.012 | 16332 | 3247 | 40 | 100 | 81 | | |
| 361.8385 | 31:53 | 31:53 | -1 | 1.012 | 12127 | 2594 | 18 | 45 | 144 | 1.35(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:14 | 32:13 | 0 | 1.023 | 392222 | 82389 | 40 | 100 | 2060 | | |
| 361.8385 | 32:14 | 32:13 | 0 | 1.023 | 304322 | 62919 | 18 | 45 | 3496 | 1.29(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQMa |
| 359.8415 | 32:34 | 32:31 | 2 | 1.034 | 2777 | 504 | 40 | 100 | 13 | | M |
| | Empc Correction | | | | 2008 | 352 | 40 | 100 | 9 | | |
| 361.8385 | 32:32 | 32:31 | -1 | 1.032 | 1620 | 284 | 18 | 45 | 16 | 1.71(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:04 | 34:03 | 0 | 1.081 | 16793 | 3229 | 40 | 100 | 81 | | |
| 361.8385 | 34:03 | 34:03 | -1 | 1.081 | 11973 | 2534 | 18 | 45 | 141 | 1.40(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:38 | 34:38 | 0 | 1.099 | 822274 | 108340 | 40 | 100 | 2709 | | |
| 361.8385 | 34:38 | 34:38 | 0 | 1.099 | 648789 | 88285 | 18 | 45 | 4905 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:38 | 34:38 | 0 | 1.099 | 822274 | 108340 | 40 | 100 | 2709 | | |
| 361.8385 | 34:38 | 34:38 | 0 | 1.099 | 648789 | 88285 | 18 | 45 | 4905 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:54 | 34:53 | 0 | 1.108 | 93812 | 19187 | 40 | 100 | 480 | | |
| 361.8385 | 34:54 | 34:53 | 0 | 1.108 | 75379 | 15032 | 18 | 45 | 835 | 1.24(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:12 | 35:12 | 0 | 1.117 | 89384 | 17461 | 40 | 100 | 437 | | |
| 361.8385 | 35:12 | 35:12 | 0 | 1.117 | 72258 | 14656 | 18 | 45 | 814 | 1.24(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 0 | 1.129 | 2486138 | 518578 | 117 | 292 | 4432 | | |
| 361.8385 | 35:35 | 35:33 | 0 | 1.129 | 1989837 | 414746 | 77 | 192 | 5386 | 1.25(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 0 | 1.129 | 2486138 | 518578 | 117 | 292 | 4432 | | |
| 361.8385 | 35:35 | 35:33 | 0 | 1.129 | 1989837 | 414746 | 77 | 192 | 5386 | 1.25(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:46 | 35:45 | -6 | 1.135 | 154914 | 28882 | 117 | 292 | 247 | | a |
| 361.8385 | 35:46 | 35:45 | -6 | 1.135 | 122740 | 22951 | 77 | 192 | 298 | 1.26(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:46 | 35:45 | -6 | 1.135 | 154914 | 28882 | 117 | 292 | 247 | | a |
| 361.8385 | 35:46 | 35:45 | -6 | 1.135 | 122740 | 22951 | 77 | 192 | 298 | 1.26(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:11 | 36:09 | 0 | 1.148 | 70385 | 13763 | 117 | 292 | 118 | | |
| 361.8385 | 36:11 | 36:09 | 0 | 1.148 | 57646 | 10896 | 77 | 192 | 142 | 1.22(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:11 | 36:09 | 0 | 1.148 | 70385 | 13763 | 117 | 292 | 118 | | |
| 361.8385 | 36:11 | 36:09 | 0 | 1.148 | 57646 | 10896 | 77 | 192 | 142 | 1.22(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:22 | 36:21 | 0 | 1.154 | 35989 | 7423 | 117 | 292 | 63 | | |
| 361.8385 | 36:22 | 36:21 | 0 | 1.154 | 28963 | 5334 | 77 | 192 | 69 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:31 | | | | | | 117 | 292 | | | |
| 361.8385 | 36:31 | | | | | | 77 | 192 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:50 | 36:49 | 0 | 1.169 | 876291 | 180947 | 117 | 292 | 1547 | | |
| 361.8385 | 36:50 | 36:49 | 0 | 1.169 | 709864 | 143892 | 77 | 192 | 1869 | 1.23(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:20 | 37:19 | 0 | 1.185 | 72701 | 14572 | 117 | 292 | 125 | | |
| 361.8385 | 37:20 | 37:19 | 0 | 1.185 | 59276 | 12481 | 77 | 192 | 162 | 1.23(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:43 | | | | | | 117 | 292 | | | |
| 361.8385 | 37:43 | | | | | | 77 | 192 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:59 | 37:59 | 0 | 0.887 | 648804 | 132991 | 117 | 292 | 1137 | | |
| 361.8385 | 37:59 | 37:59 | 0 | 0.887 | 521432 | 107383 | 77 | 192 | 1395 | 1.24(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:07 | | | | | | 117 | 292 | | | |
| 361.8385 | 38:07 | | | | | | 77 | 192 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:37 | -2 | 0.901 | 3123732 | 631827 | 117 | 292 | 5400 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.901 | 2469133 | 503436 | 77 | 192 | 6538 | 1.27(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:37 | -2 | 0.901 | 3123732 | 631827 | 117 | 292 | 5400 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.901 | 2469133 | 503436 | 77 | 192 | 6538 | 1.27(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:48 | 38:47 | 0 | 0.906 | 456266 | 91650 | 117 | 292 | 783 | | |
| 361.8385 | 38:48 | 38:47 | 0 | 0.906 | 368095 | 71723 | 77 | 192 | 931 | 1.24(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:12 | 39:11 | 0 | 0.915 | 175086 | 35207 | 117 | 292 | 301 | | |
| 361.8385 | 39:12 | 39:11 | 0 | 0.915 | 145157 | 28409 | 77 | 192 | 369 | 1.21(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:25 | 39:24 | 1 | 0.921 | 132844 | 27695 | 117 | 292 | 237 | | |
| 361.8385 | 39:25 | 39:24 | 1 | 0.921 | 104629 | 20984 | 77 | 192 | 273 | 1.27(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:31 | 1 | 0.923 | 260219 | 53232 | 117 | 292 | 455 | | |
| 361.8385 | 39:32 | 39:31 | 1 | 0.923 | 206921 | 41780 | 77 | 192 | 543 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | 0 | 0.930 | 3090677 | 592366 | 117 | 292 | 5063 | | |
| 361.8385 | 39:50 | 39:49 | 0 | 0.930 | 2471714 | 481076 | 77 | 192 | 6248 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | 0 | 0.930 | 3090677 | 592366 | 117 | 292 | 5063 | | |
| 361.8385 | 39:50 | 39:49 | 0 | 0.930 | 2471714 | 481076 | 77 | 192 | 6248 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | 0 | 0.930 | 3090677 | 592366 | 117 | 292 | 5063 | | |
| 361.8385 | 39:50 | 39:49 | 0 | 0.930 | 2471714 | 481076 | 77 | 192 | 6248 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:49 | 0 | 0.930 | 3090677 | 592366 | 117 | 292 | 5063 | | |
| 361.8385 | 39:50 | 39:49 | 0 | 0.930 | 2471714 | 481076 | 77 | 192 | 6248 | 1.25(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:14 | 40:13 | 1 | 0.939 | 359040 | 69470 | 117 | 292 | 594 | | |
| 361.8385 | 40:14 | 40:13 | 1 | 0.939 | 287990 | 56622 | 77 | 192 | 735 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | Ma |
| 359.8415 | 41:06 | 41:06 | 1 | 0.960 | 493611 | 89862 | 117 | 292 | 768 | | M |
| 361.8385 | 41:06 | 41:06 | 1 | 0.960 | 399159 | 72932 | 77 | 192 | 947 | 1.24(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | Ma |
| 359.8415 | 41:06 | 41:06 | 1 | 0.960 | 493611 | 89862 | 117 | 292 | 768 | | M |
| 361.8385 | 41:06 | 41:06 | 1 | 0.960 | 399159 | 72932 | 77 | 192 | 947 | 1.24(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:04 | 42:02 | -1 | 0.982 | 41529 | 7532 | 117 | 292 | 64 | | |
| 361.8385 | 42:03 | 42:02 | -2 | 0.982 | 34554 | 6236 | 77 | 192 | 81 | 1.20(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | Ma |
| 359.8415 | 42:23 | 42:21 | 1 | 0.990 | 14479 | 2931 | 117 | 292 | 25 | | M |
| 361.8385 | 42:22 | 42:21 | 0 | 0.989 | 12593 | 2394 | 77 | 192 | 31 | 1.15(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:51 | 42:50 | 0 | 1.001 | 143821 | 28070 | 117 | 292 | 240 | | |
| 361.8385 | 42:51 | 42:50 | 0 | 1.001 | 112963 | 22263 | 77 | 192 | 289 | 1.27(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:59 | -1 | 1.000 | 444200 | 76795 | 117 | 292 | 656 | | |
| 361.8385 | 43:58 | 43:59 | -1 | 1.000 | 344775 | 58977 | 77 | 192 | 766 | 1.29(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:59 | -1 | 1.000 | 444200 | 76795 | 117 | 292 | 656 | | |
| 361.8385 | 43:58 | 43:59 | -1 | 1.000 | 344775 | 58977 | 77 | 192 | 766 | 1.29(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:12 | | | | | | 117 | 292 | | | |
| 361.8385 | 47:12 | | | | | | 77 | 192 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:14 | 37:13 | 0 | 0.821 | 172920 | 34382 | 100 | 250 | 344 | | |
| 407.8398 | 37:14 | 37:13 | 0 | 0.821 | 170662 | 34283 | 152 | 380 | 226 | 1.01(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:17 | 40:15 | 1 | 0.888 | 144320 | 28150 | 100 | 250 | 282 | | |
| 407.8398 | 40:17 | 40:15 | 1 | 0.888 | 129754 | 27042 | 152 | 380 | 178 | 1.11(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:22 | 45:22 | 0 | | 174300 | 33354 | 100 | 250 | 334 | | |
| 407.8398 | 45:22 | 45:22 | 0 | | 159884 | 31972 | 152 | 380 | 210 | 1.09(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:38 | 46:36 | 1 | 1.028 | 116539 | 22393 | 100 | 250 | 224 | | |
| 407.8398 | 46:38 | 46:36 | 1 | 1.028 | 105542 | 21793 | 152 | 380 | 143 | 1.10(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:45 | 49:43 | 1 | 1.096 | 244380 | 46734 | 1079 | 2697 | 43 | | |
| 407.8398 | 49:45 | 49:43 | 1 | 1.096 | 230786 | 47541 | 587 | 1467 | 81 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:13 | | | | | | 31 | 77 | | | |
| 395.7995 | 37:13 | | | | | | 20 | 50 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:35 | 37:34 | 0 | 1.009 | 358909 | 73083 | 31 | 77 | 2358 | | |
| 395.7995 | 37:35 | 37:34 | 0 | 1.009 | 337567 | 67080 | 20 | 50 | 3354 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:06 | | | | | | 31 | 77 | | | |
| 395.7995 | 38:06 | | | | | | 20 | 50 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:28 | 38:26 | 0 | 1.033 | 105865 | 21198 | 31 | 77 | 684 | | |
| 395.7995 | 38:28 | 38:26 | 0 | 1.033 | 99012 | 19502 | 20 | 50 | 975 | 1.07(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:53 | | | | | | 31 | 77 | | | |
| 395.7995 | 38:53 | | | | | | 20 | 50 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:18 | 40:17 | 0 | 1.082 | 133072 | 26046 | 31 | 77 | 840 | | |
| 395.7995 | 40:19 | 40:17 | 1 | 1.083 | 122369 | 25686 | 20 | 50 | 1284 | 1.09(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:56 | 40:54 | 1 | 1.099 | 24881 | 4921 | 31 | 77 | 159 | | |
| 395.7995 | 40:56 | 40:54 | 1 | 1.099 | 23570 | 4702 | 20 | 50 | 235 | 1.06(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:13 | 41:11 | 1 | 1.107 | 781536 | 157743 | 31 | 77 | 5088 | | |
| 395.7995 | 41:13 | 41:11 | 1 | 1.107 | 748598 | 152175 | 20 | 50 | 7609 | 1.04(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | RQ |
| 393.8025 | 41:25 | 41:23 | 0 | 1.112 | 7210 | 1237 | 31 | 77 | 40 | | |
| 395.7995 | 41:25 | 41:23 | 1 | 1.112 | 8574 | 1293 | 20 | 50 | 65 | 0.84(0.89-1.21) | |
| | Empc Correction | | | | 6866 | 1178 | 20 | 50 | 59 | | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:47 | 0 | 1.123 | 407385 | 70617 | 31 | 77 | 2278 | | |
| 395.7995 | 41:49 | 41:47 | 0 | 1.123 | 385834 | 65880 | 20 | 50 | 3294 | 1.06(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:47 | 0 | 1.123 | 407385 | 70617 | 31 | 77 | 2278 | | |
| 395.7995 | 41:49 | 41:47 | 0 | 1.123 | 385834 | 65880 | 20 | 50 | 3294 | 1.06(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:03 | 42:02 | 0 | 1.129 | 549567 | 109308 | 31 | 77 | 3526 | | |
| 395.7995 | 42:03 | 42:02 | 0 | 1.129 | 515224 | 101039 | 20 | 50 | 5052 | 1.07(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:30 | 42:27 | 1 | 1.141 | 328756 | 65258 | 31 | 77 | 2105 | | |
| 395.7995 | 42:29 | 42:27 | 0 | 1.141 | 308577 | 59827 | 20 | 50 | 2991 | 1.07(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:53 | 42:53 | 0 | 1.152 | 6844 | 1324 | 31 | 77 | 43 | | |
| 395.7995 | 42:54 | 42:53 | 1 | 1.152 | 5935 | 1189 | 20 | 50 | 59 | 1.15(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:07 | 43:08 | 2 | 1.158 | 162539 | 30378 | 31 | 77 | 980 | | |
| 395.7995 | 43:07 | 43:08 | 2 | 1.158 | 153656 | 28523 | 20 | 50 | 1426 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:07 | 43:08 | 2 | 1.158 | 162539 | 30378 | 31 | 77 | 980 | | |
| 395.7995 | 43:07 | 43:08 | 2 | 1.158 | 153656 | 28523 | 20 | 50 | 1426 | 1.06(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:45 | 44:44 | 0 | 0.899 | 93163 | 18427 | 31 | 77 | 594 | | |
| 395.7995 | 44:45 | 44:44 | 0 | 0.899 | 86684 | 17017 | 20 | 50 | 851 | 1.07(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:01 | | | | | | 31 | 77 | | | |
| 395.7995 | 45:01 | | | | | | 20 | 50 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:20 | 3 | 0.913 | 1326268 | 254511 | 31 | 77 | 8210 | | |
| 395.7995 | 45:24 | 45:20 | 3 | 0.913 | 1264828 | 242895 | 20 | 50 | 12145 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:20 | 3 | 0.913 | 1326268 | 254511 | 31 | 77 | 8210 | | |
| 395.7995 | 45:24 | 45:20 | 3 | 0.913 | 1264828 | 242895 | 20 | 50 | 12145 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:45 | 45:44 | 1 | 0.920 | 31059 | 5810 | 31 | 77 | 187 | | |
| 395.7995 | 45:45 | 45:44 | 1 | 0.920 | 29995 | 5109 | 20 | 50 | 255 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:39 | 46:38 | 1 | 0.938 | 475617 | 93418 | 31 | 77 | 3013 | | |
| 395.7995 | 46:39 | 46:38 | 1 | 0.938 | 444464 | 89214 | 20 | 50 | 4461 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:10 | 47:09 | 0 | 0.948 | 136556 | 26044 | 31 | 77 | 840 | | |
| 395.7995 | 47:11 | 47:09 | 1 | 0.948 | 133613 | 26393 | 20 | 50 | 1320 | 1.02(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:47 | 49:45 | 1 | 1.001 | 39157 | 7802 | 76 | 190 | 103 | | |
| 395.7995 | 49:47 | 49:45 | 1 | 1.001 | 36551 | 6554 | 87 | 217 | 75 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:36 | 42:35 | 0 | 0.821 | 141478 | 29358 | 51 | 127 | 576 | | |
| 441.8008 | 42:36 | 42:35 | 0 | 0.821 | 172378 | 33378 | 64 | 160 | 522 | 0.82(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:52 | 51:51 | 1 | | 182045 | 35702 | 294 | 735 | 121 | | |
| 441.8008 | 51:52 | 51:51 | 1 | | 209290 | 41552 | 465 | 1162 | 89 | 0.87(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:20 | 52:19 | 0 | 1.009 | 179577 | 35163 | 294 | 735 | 120 | | |
| 441.8008 | 52:20 | 52:19 | 0 | 1.009 | 198738 | 39817 | 465 | 1162 | 86 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:38 | 42:36 | 1 | 1.001 | 55365 | 10882 | 53 | 132 | 205 | | |
| 429.7606 | 42:38 | 42:36 | 1 | 1.001 | 61726 | 13108 | 33 | 82 | 397 | 0.90(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:33 | 43:31 | 0 | 1.022 | 40847 | 7815 | 53 | 132 | 147 | | |
| 429.7606 | 43:33 | 43:31 | 1 | 1.022 | 43441 | 8779 | 33 | 82 | 266 | 0.94(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:14 | | | | | | 53 | 132 | | | |
| 429.7606 | 44:14 | | | | | | 33 | 82 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:28 | 44:25 | 1 | 1.044 | 12859 | 2962 | 53 | 132 | 56 | | |
| 429.7606 | 44:28 | 44:25 | 1 | 1.044 | 13534 | 3325 | 33 | 82 | 101 | 0.95(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:34 | 44:29 | 1 | 1.046 | 39086 | 7394 | 53 | 132 | 140 | | |
| 429.7606 | 44:33 | 44:29 | 0 | 1.046 | 41931 | 7811 | 33 | 82 | 237 | 0.93(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:22 | 2 | 1.112 | 217659 | 41346 | 53 | 132 | 780 | | |
| 429.7606 | 47:22 | 47:22 | 2 | 1.112 | 240076 | 44971 | 33 | 82 | 1363 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:22 | 2 | 1.112 | 217659 | 41346 | 53 | 132 | 780 | | |
| 429.7606 | 47:22 | 47:22 | 2 | 1.112 | 240076 | 44971 | 33 | 82 | 1363 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:01 | 48:00 | 0 | 0.917 | 108096 | 21476 | 53 | 132 | 405 | | |
| 429.7606 | 48:01 | 48:00 | 0 | 0.917 | 121156 | 23035 | 33 | 82 | 698 | 0.89(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:13 | 48:12 | 0 | 0.921 | 146385 | 28030 | 53 | 132 | 529 | | |
| 429.7606 | 48:13 | 48:12 | 0 | 0.921 | 157150 | 31516 | 33 | 82 | 955 | 0.93(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:32 | 49:31 | 0 | 0.946 | 103724 | 20499 | 117 | 292 | 175 | | |
| 429.7606 | 49:32 | 49:31 | 0 | 0.946 | 118409 | 23569 | 500 | 1250 | 47 | 0.88(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:53 | 51:52 | 1 | 0.991 | 278736 | 53276 | 117 | 292 | 455 | | |
| 429.7606 | 51:53 | 51:52 | 1 | 0.991 | 308235 | 59648 | 500 | 1250 | 119 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:22 | 52:20 | 1 | 1.000 | 19931 | 3717 | 117 | 292 | 32 | | |
| 429.7606 | 52:21 | 52:20 | 0 | 1.000 | 19811 | 3750 | 500 | 1250 | 8 | 1.01(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:17 | 49:16 | 0 | 0.950 | 157583 | 31889 | 387 | 967 | 82 | | |
| 475.7619 | 49:17 | 49:16 | 0 | 0.950 | 198401 | 36564 | 320 | 800 | 114 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:06 | 54:04 | 0 | 1.043 | 105661 | 19698 | 387 | 967 | 51 | | |
| 475.7619 | 54:06 | 54:04 | 0 | 1.043 | 142591 | 28166 | 320 | 800 | 88 | 0.74(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:18 | 49:17 | 0 | 1.001 | 35440 | 6763 | 86 | 215 | 79 | | |
| 463.7216 | 49:18 | 49:17 | 0 | 1.001 | 45930 | 9371 | 165 | 412 | 57 | 0.77(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:14 | 50:13 | 0 | 1.019 | 16287 | 3571 | 86 | 215 | 42 | | |
| 463.7216 | 50:15 | 50:13 | 1 | 1.020 | 19594 | 4101 | 165 | 412 | 25 | 0.83(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:04 | 54:03 | -2 | 1.000 | 315796 | 87410 | 86 | 215 | 1016 | | M |
| | Empc Correction | | | | 161446 | 30603 | 86 | 215 | 356 | | |
| 463.7216 | 54:04 | 54:03 | -2 | 1.000 | 209671 | 39745 | 165 | 412 | 241 | 1.51(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:45 | 55:43 | 1 | 1.075 | 113192 | 18719 | 87 | 217 | 215 | | |
| 509.7229 | 55:44 | 55:43 | 0 | 1.075 | 156825 | 28820 | 95 | 237 | 303 | 0.72(0.59-0.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:46 | 55:44 | 0 | 1.000 | 69009 | 12537 | 26 | 65 | 482 | | |
| 497.6826 | 55:46 | 55:44 | 0 | 1.000 | 93312 | 16870 | 21 | 52 | 803 | 0.74(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

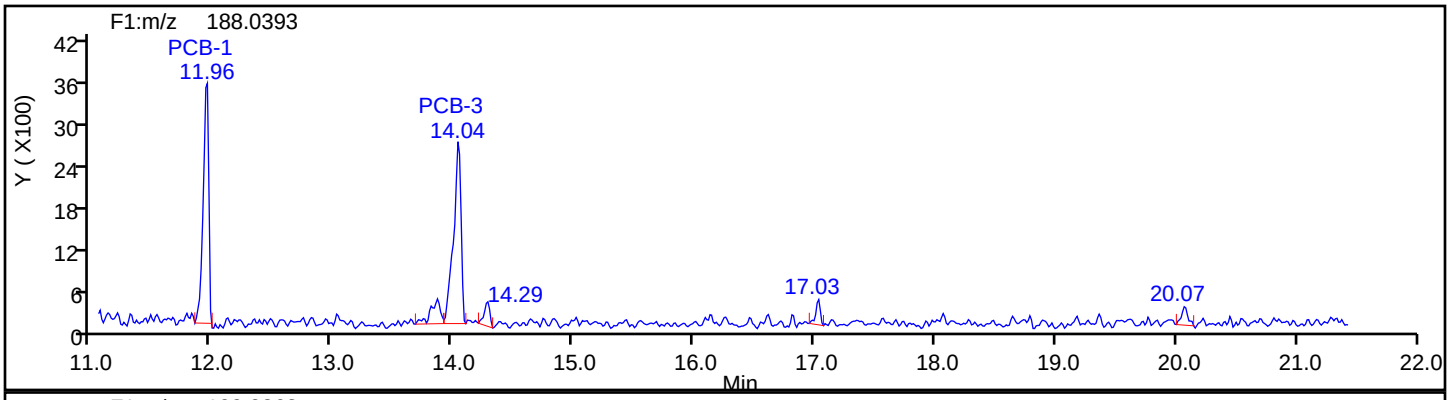
M - Manually Integrated

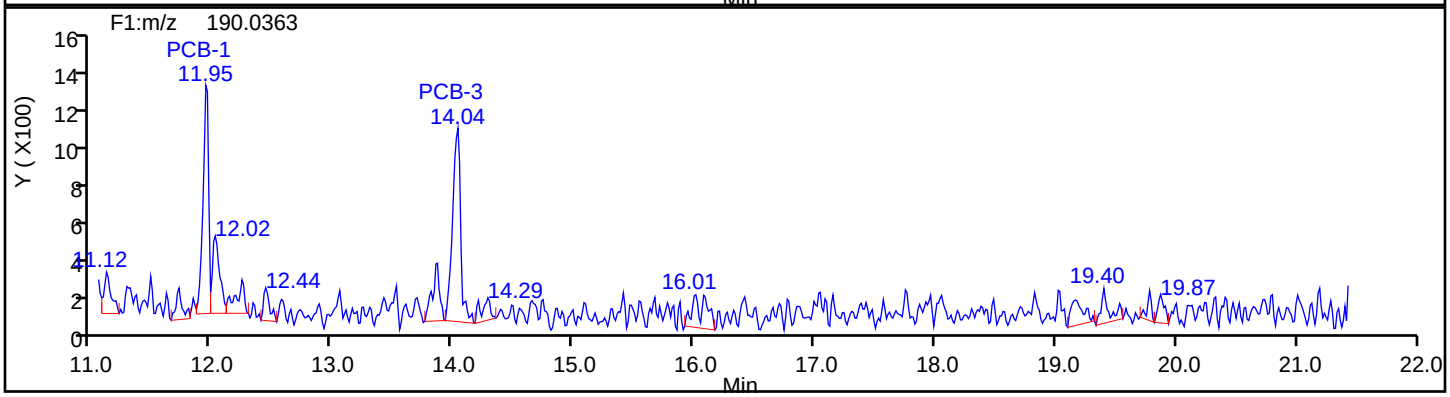
a - User Assigned ID

Eurofins TestAmerica, Knoxville

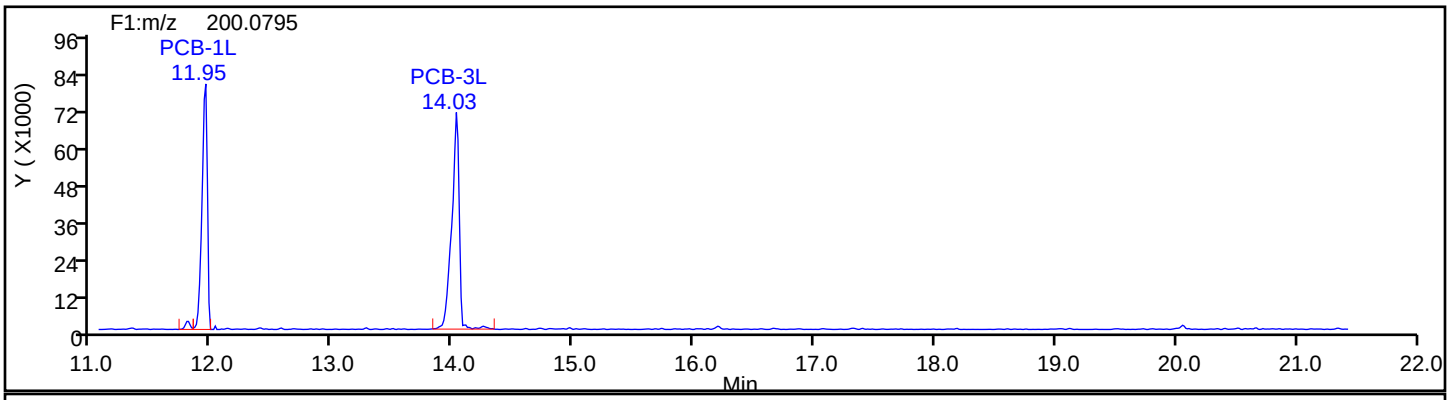
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

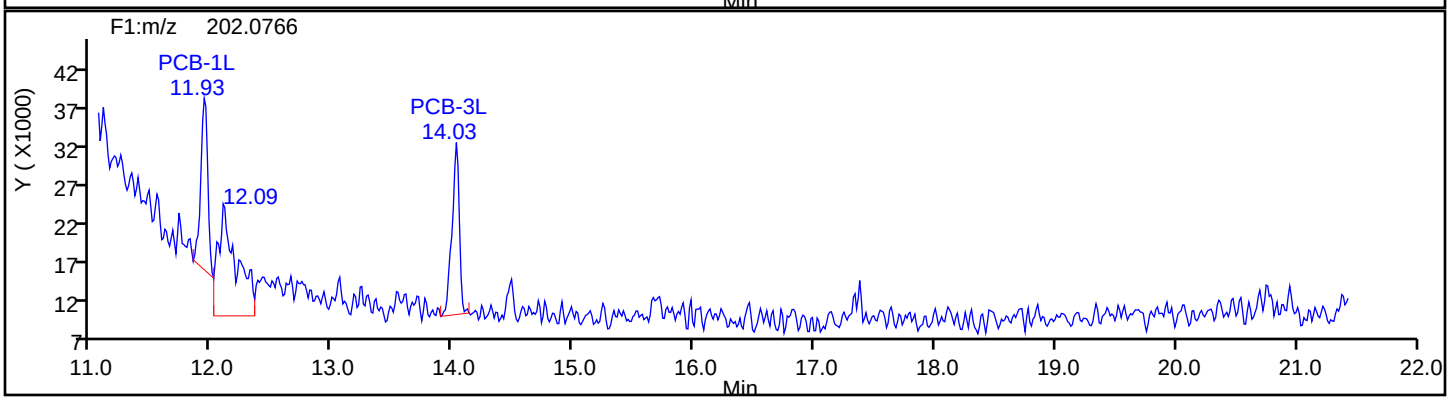
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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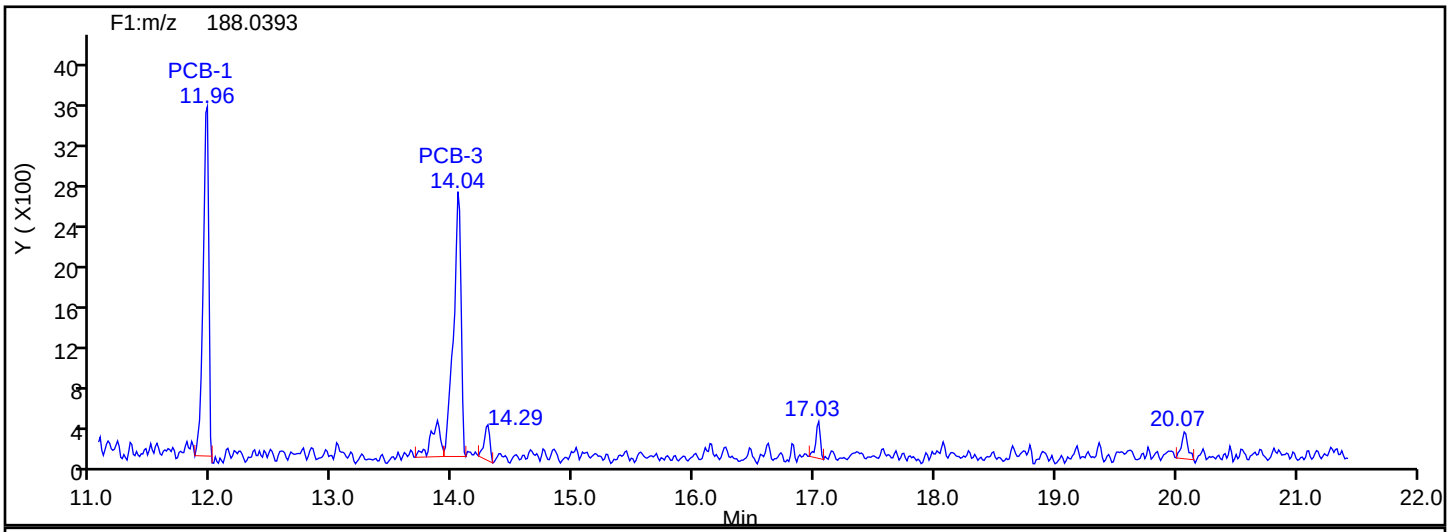
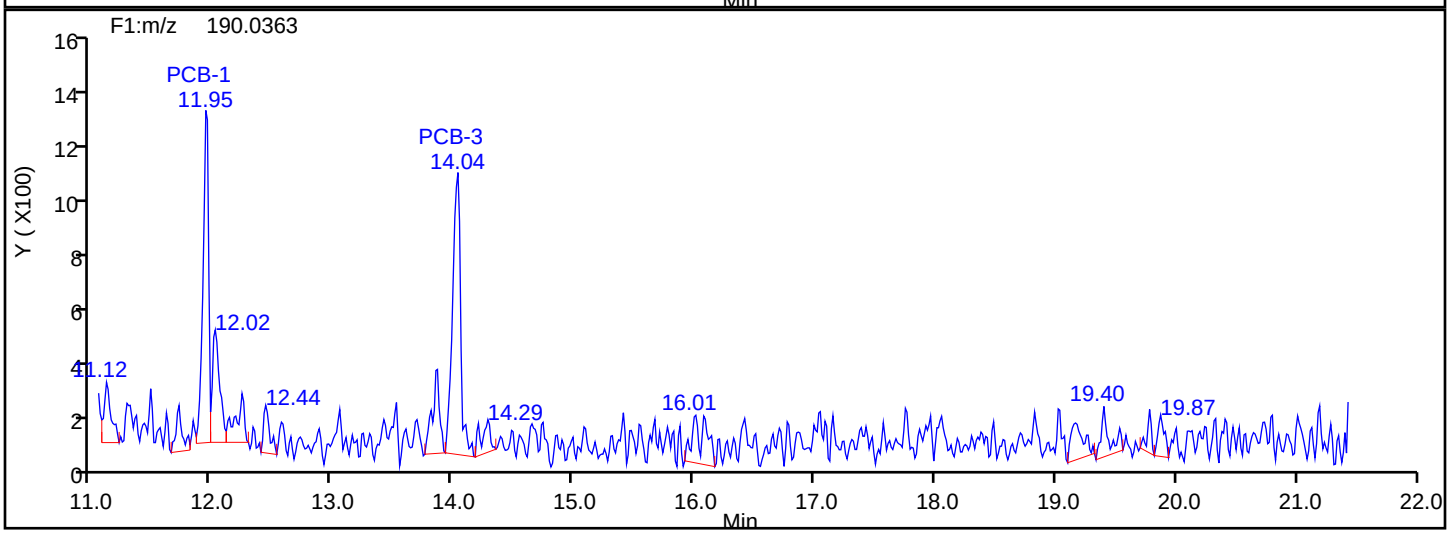
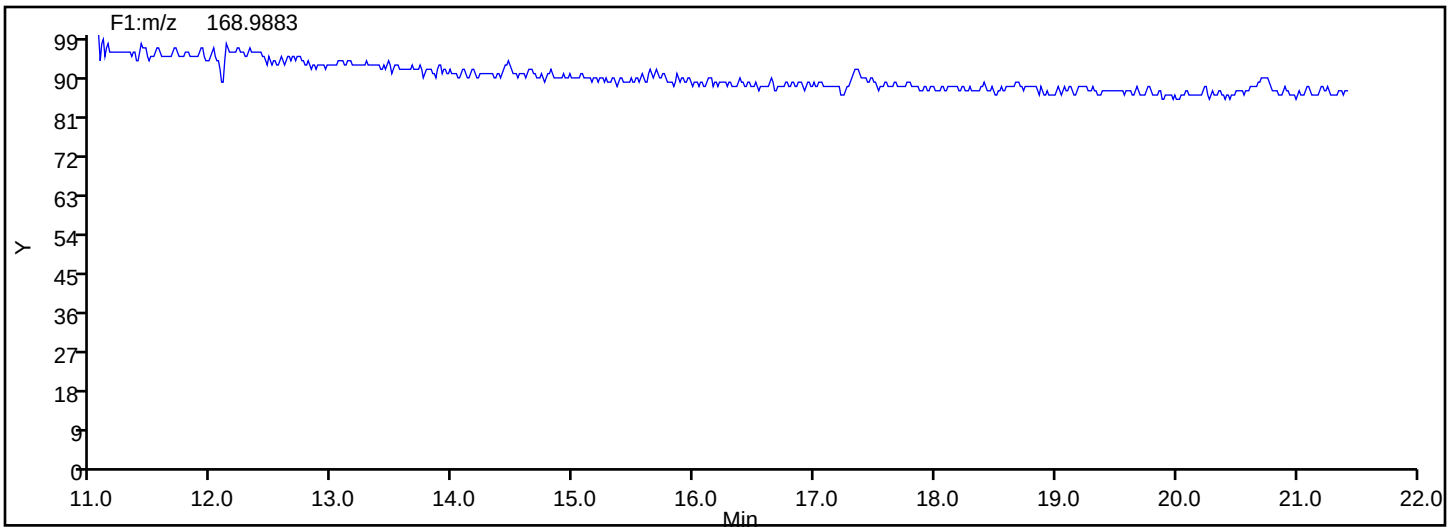
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

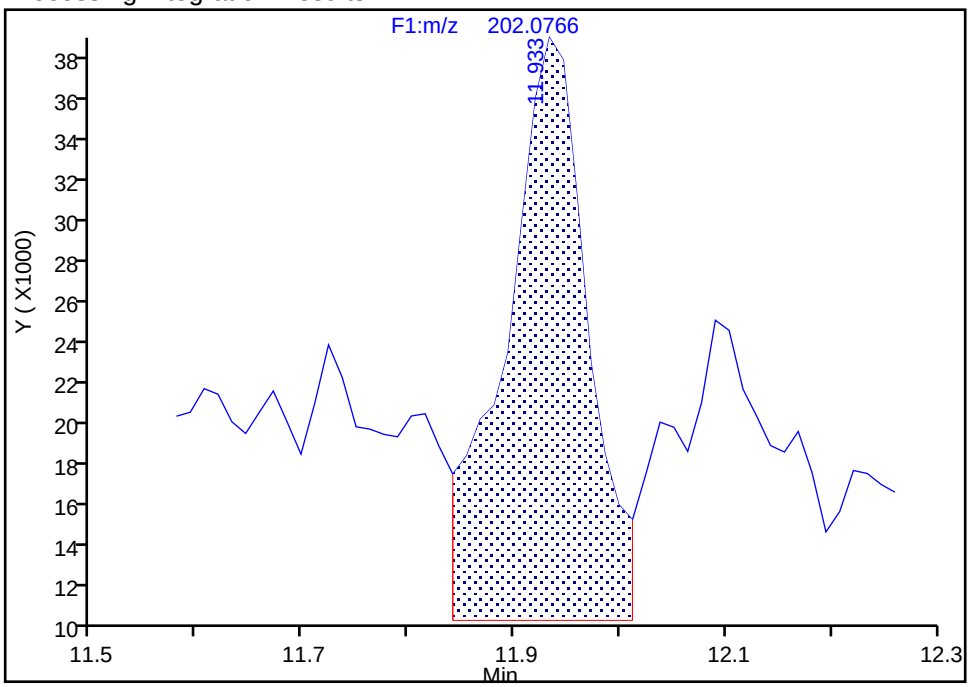
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

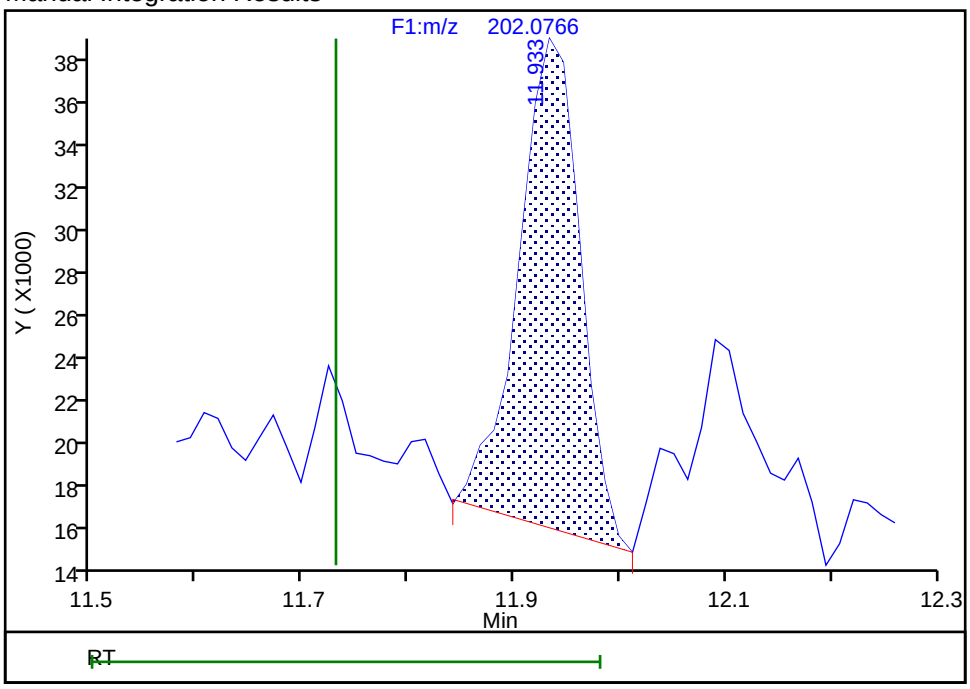
Processing Integration Results

RT: 11.93
Area: 150781
Amount: 12.761412
Amount Units: pg/ul




Manual Integration Results

RT: 11.93
Area: 89283
Amount: 10.803223
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:09:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

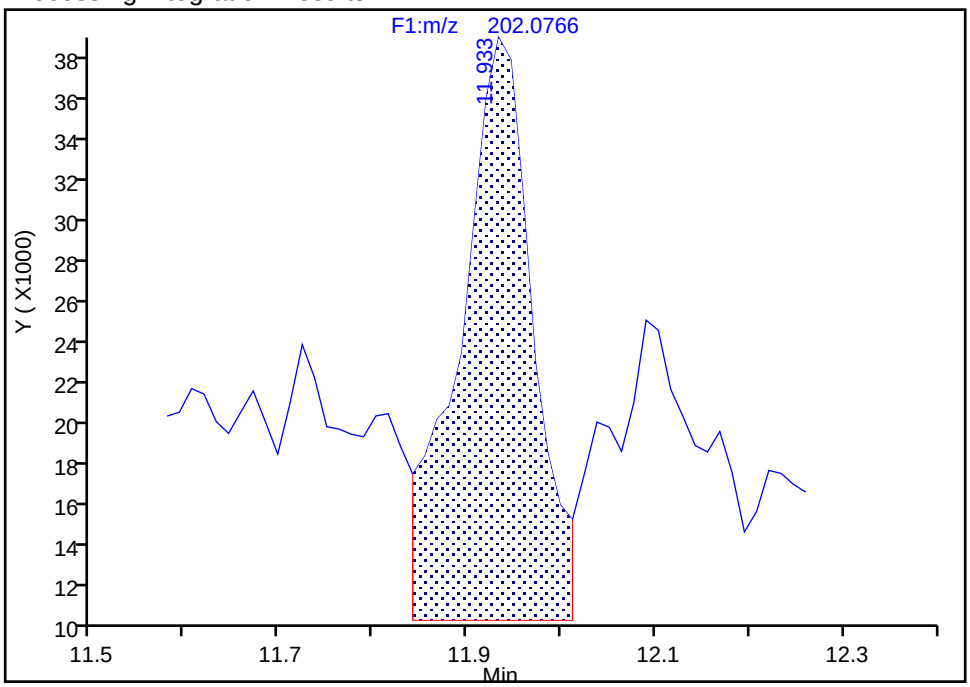
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 3

Processing Integration Results

RT: 11.95
Area: 400779
Amount: 12.761412
Amount Units: pg/ul




Manual Integration Results

RT: 11.95
Area: 339281
Amount: 10.803223
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:09:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

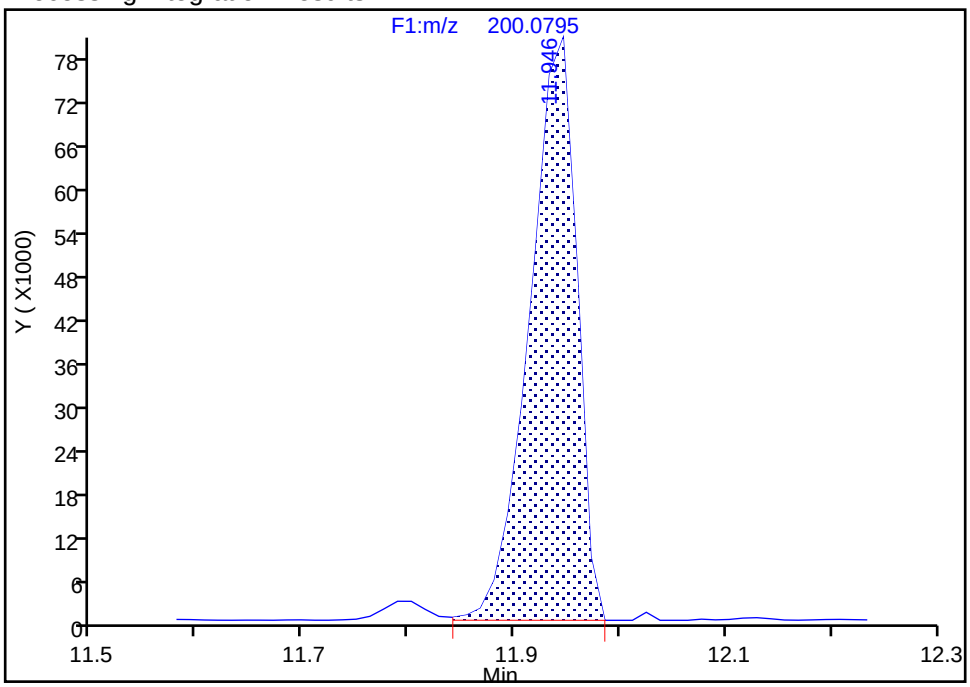
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

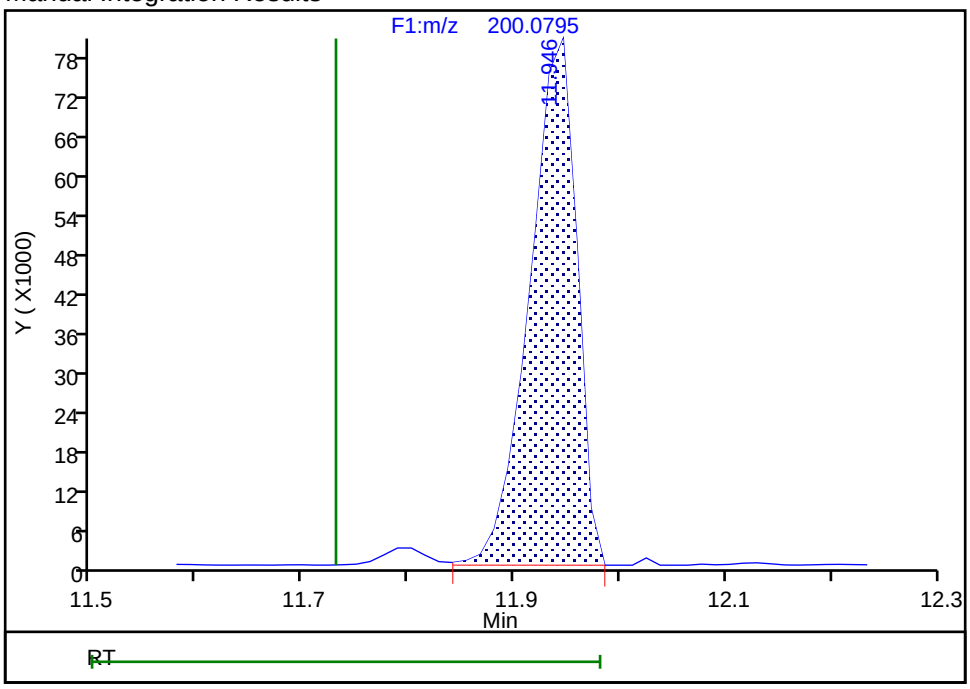
Processing Integration Results

RT: 11.95
Area: 249998
Amount: 12.761412
Amount Units: pg/ul




Manual Integration Results

RT: 11.95
Area: 249998
Amount: 10.803223
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:09:08

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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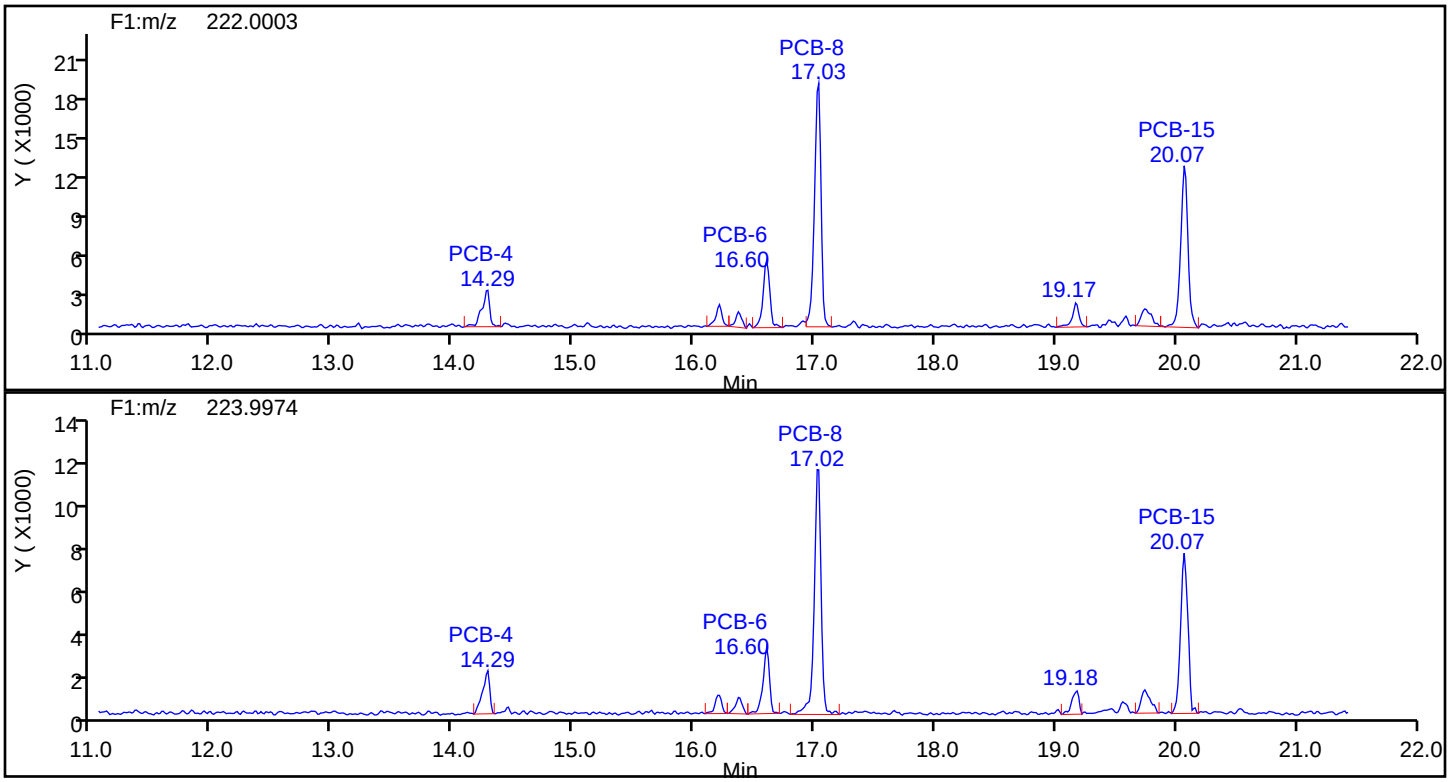
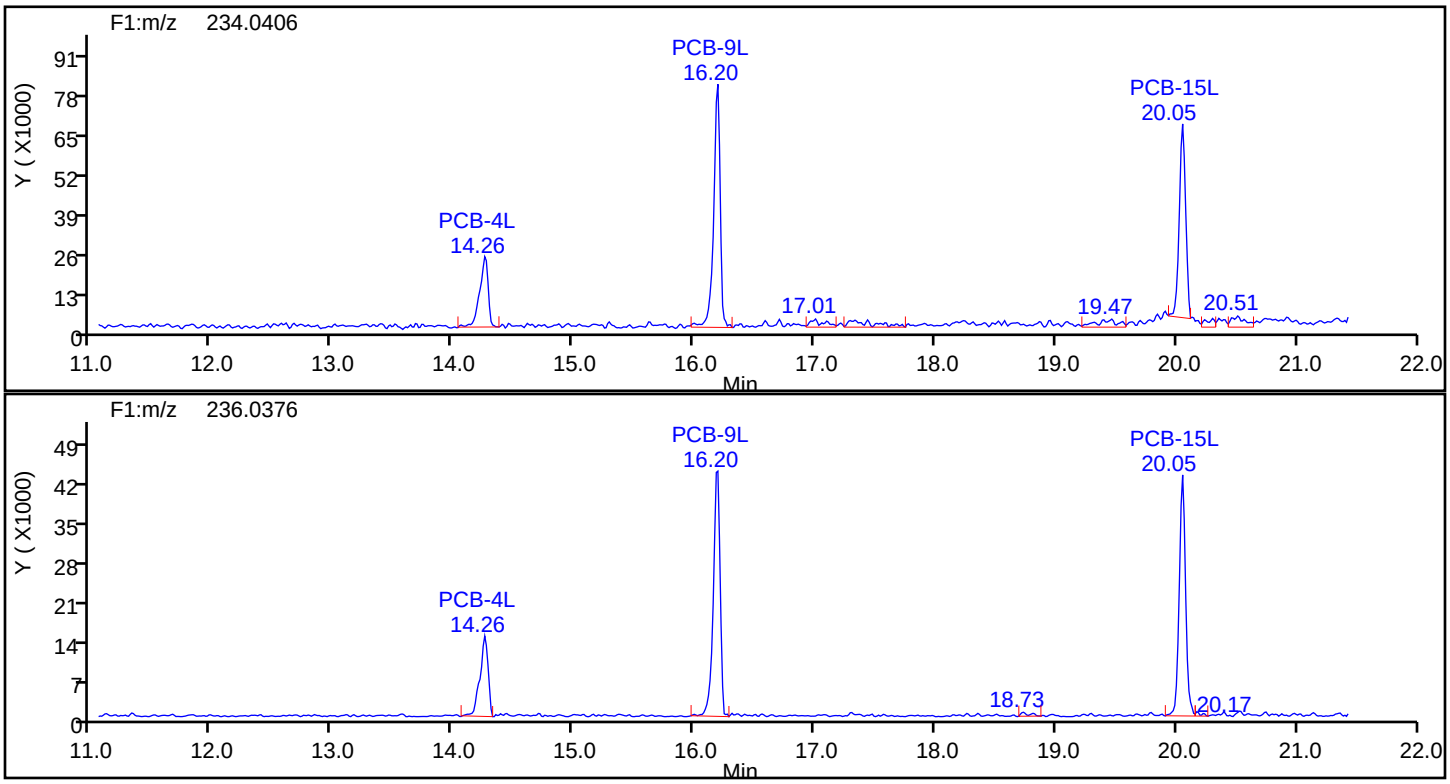
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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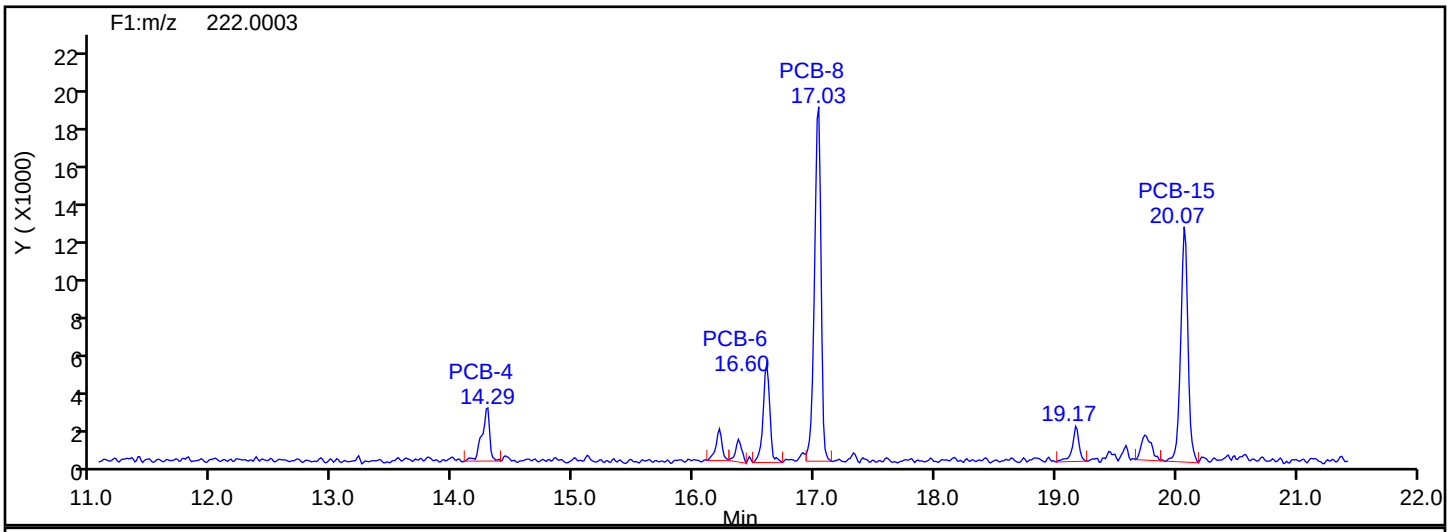
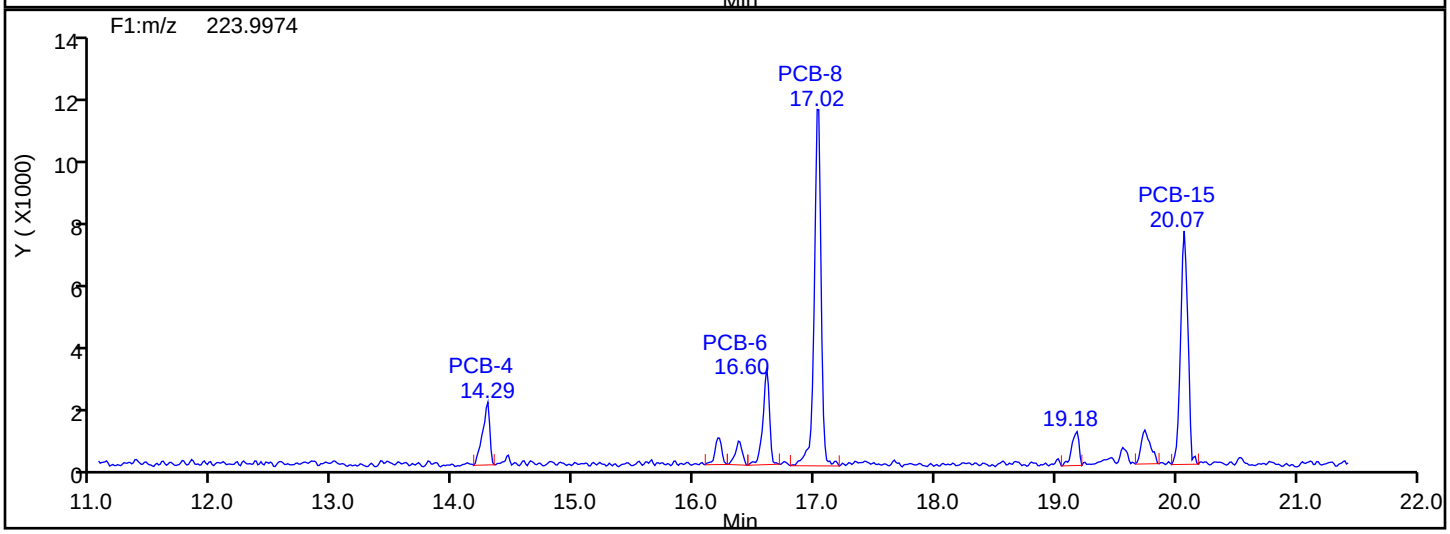
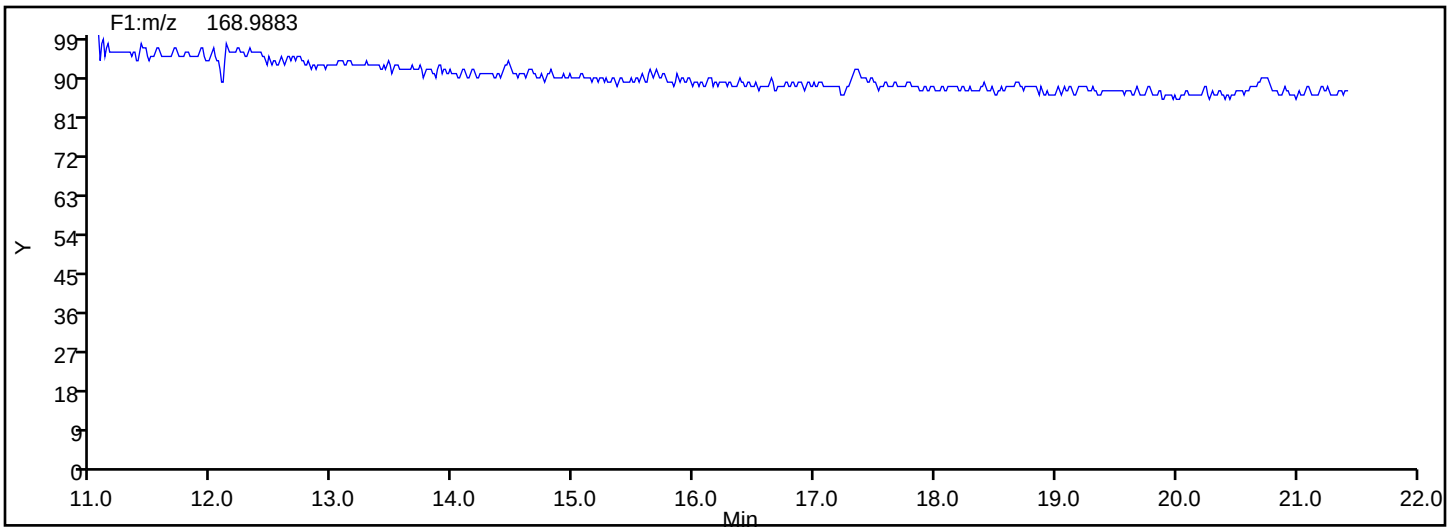
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

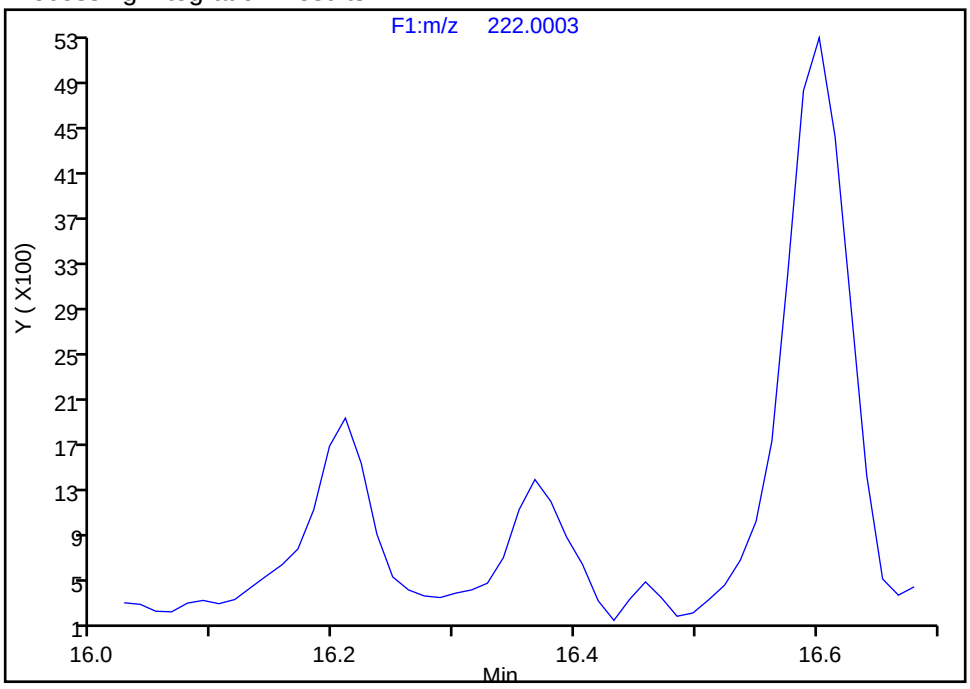
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 1

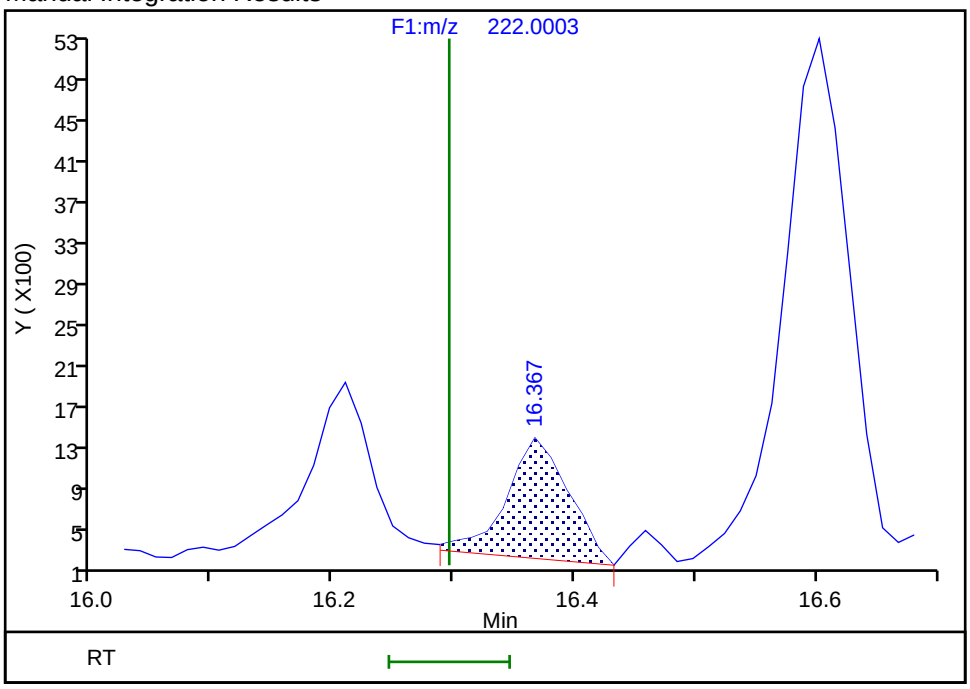
Not Detected
Expected RT: 16.30

Processing Integration Results




Manual Integration Results

RT: 16.37
Area: 4180
Amount: 0.307274
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:10:10
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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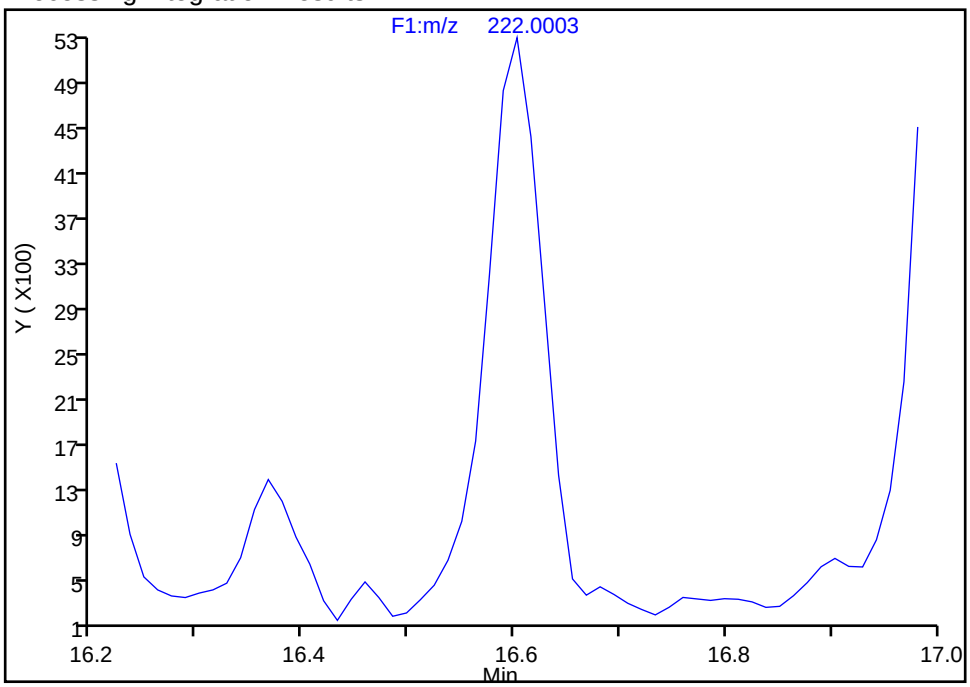
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

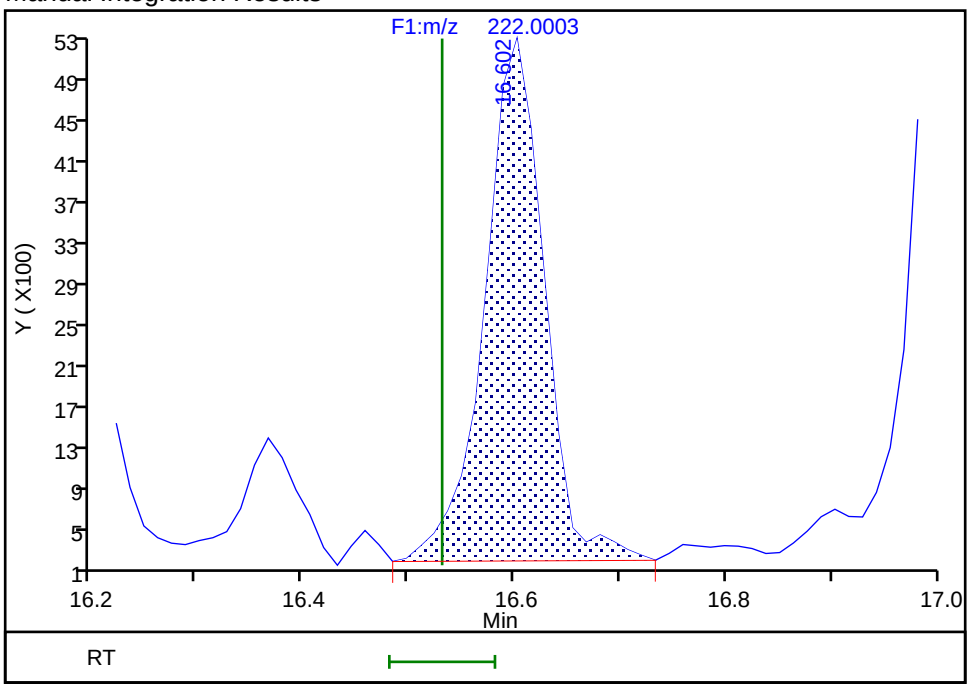
Not Detected
Expected RT: 16.53

Processing Integration Results




Manual Integration Results

RT: 16.60
Area: 19761
Amount: 1.391644
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:10:14
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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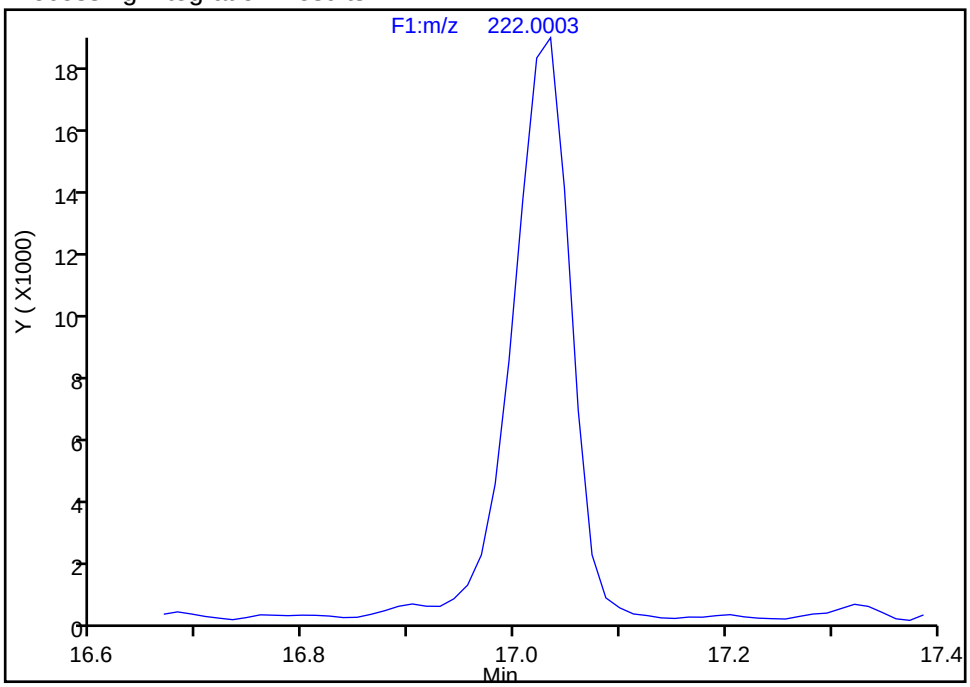
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

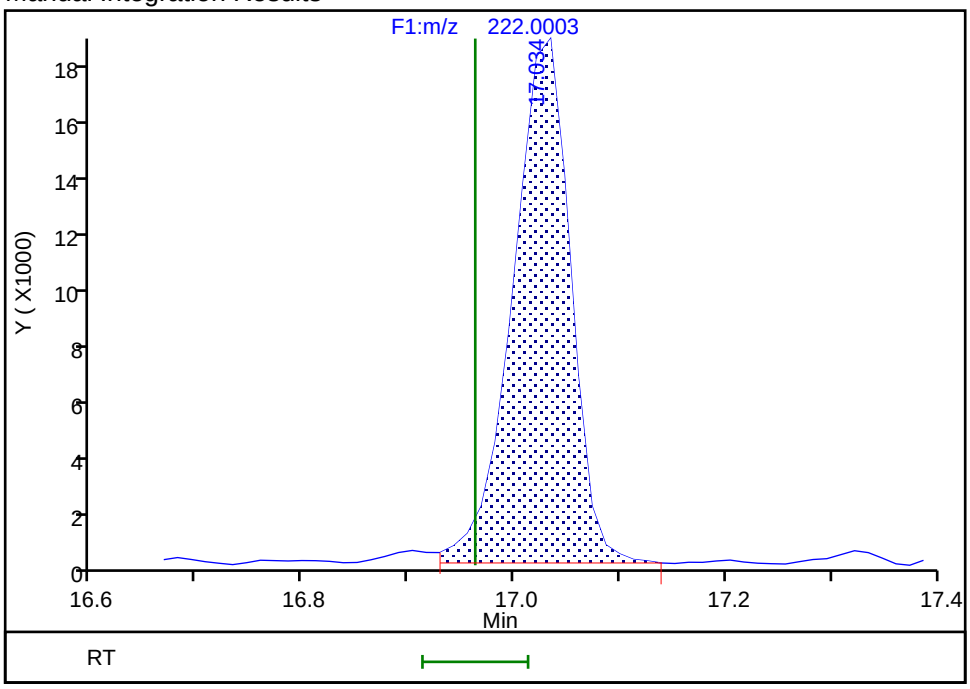
Not Detected
Expected RT: 16.96

Processing Integration Results




Manual Integration Results

RT: 17.03
Area: 69565
Amount: 4.999906
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:10:22
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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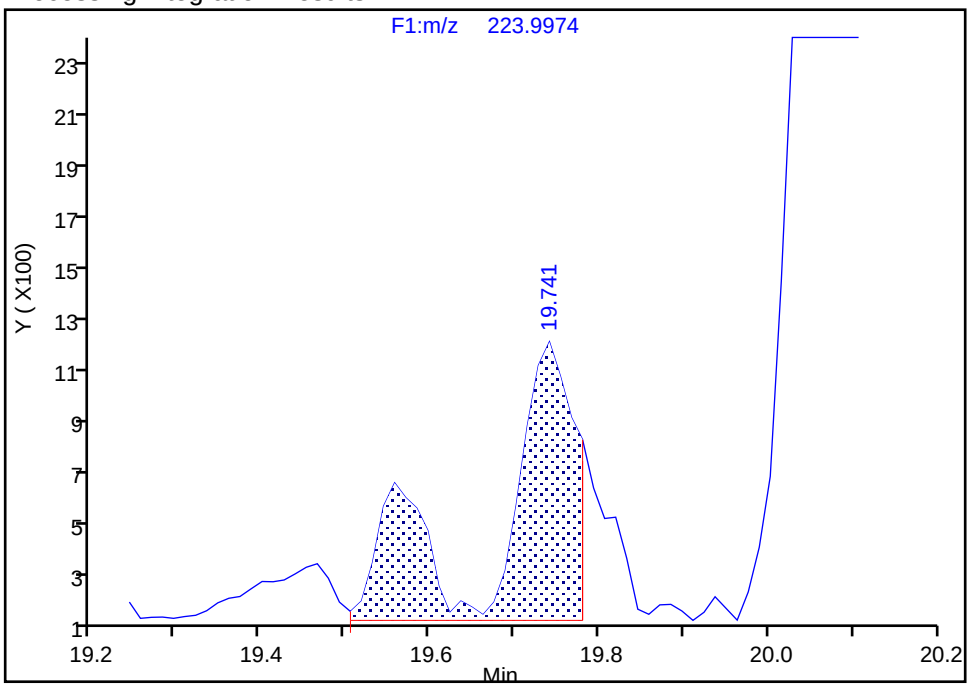
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 2

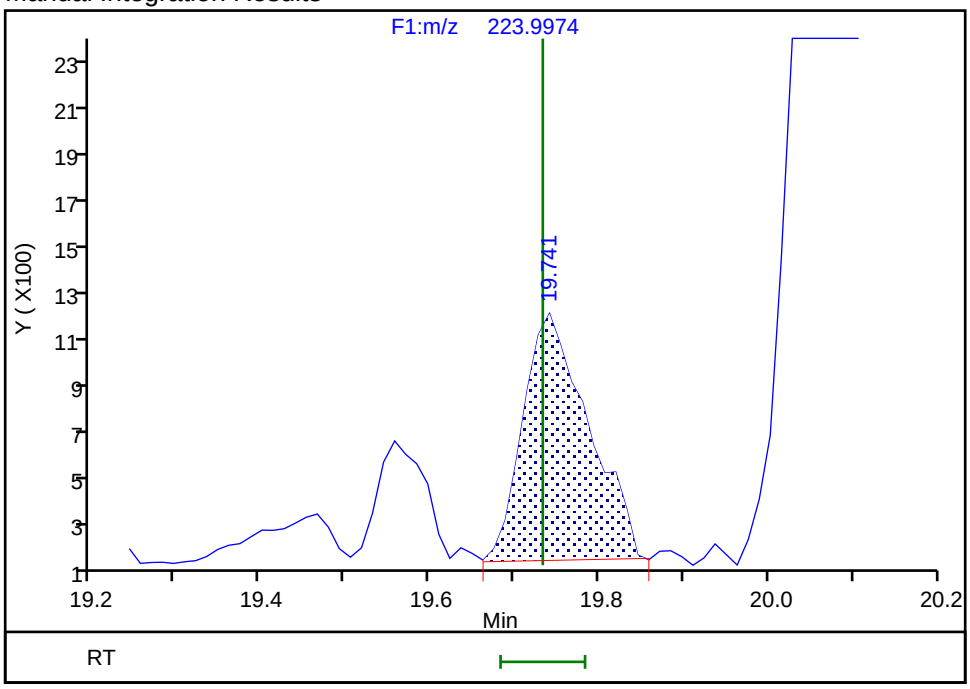
Processing Integration Results

RT: 19.74
Area: 6748
Amount: 0.751172
Amount Units: pg/ul




Manual Integration Results

RT: 19.74
Area: 5769
Amount: 0.564749
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:10:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

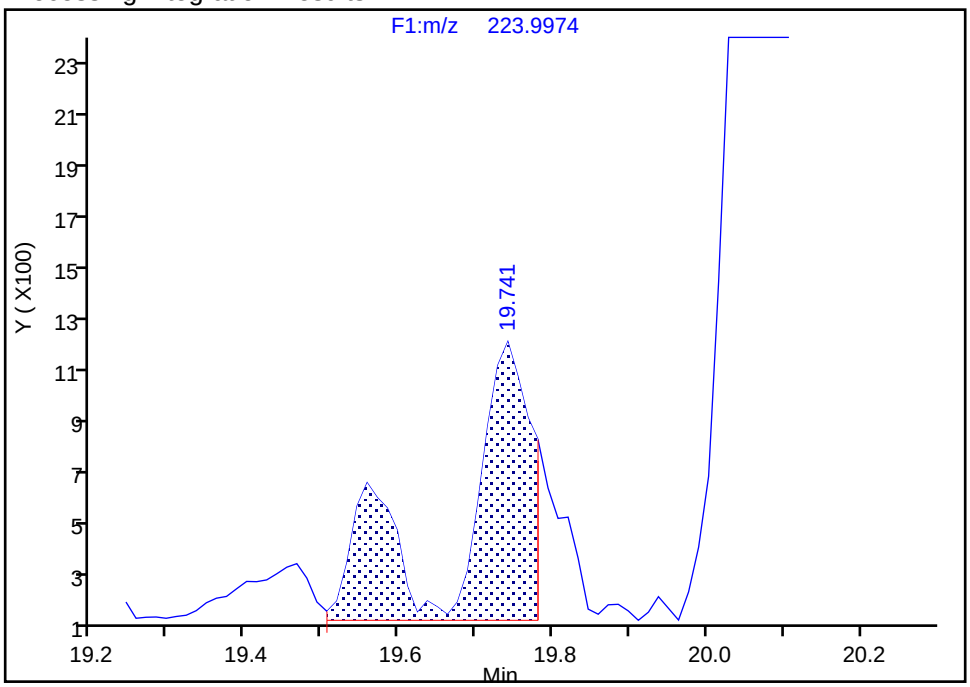
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 3

Processing Integration Results

RT: 19.74
Area: 17814
Amount: 0.751172
Amount Units: pg/ul




Manual Integration Results

RT: 19.74
Area: 13393
Amount: 0.564749
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:10:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

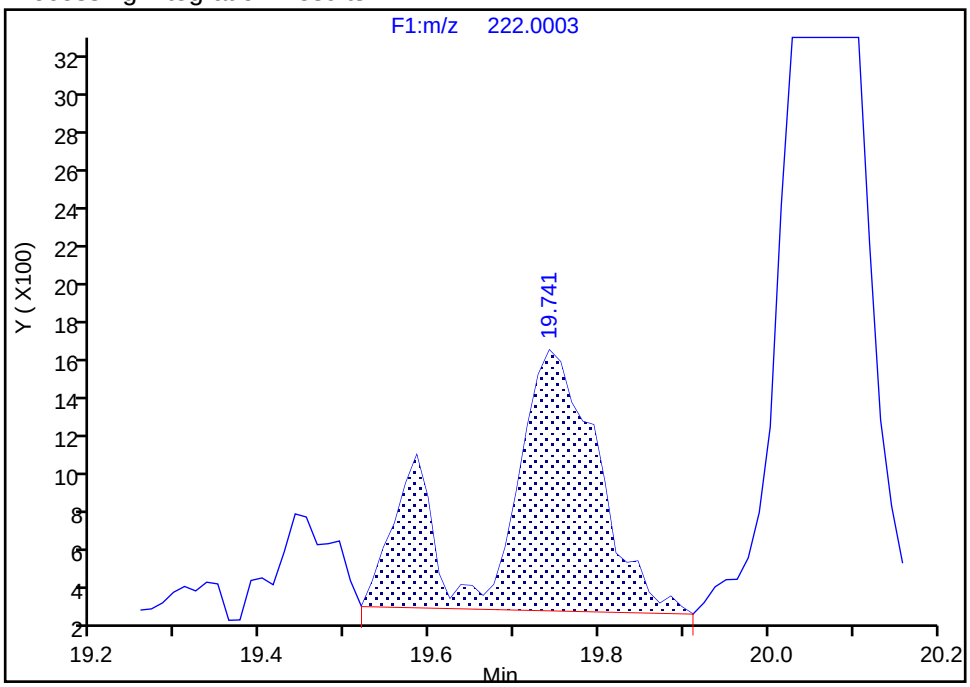
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

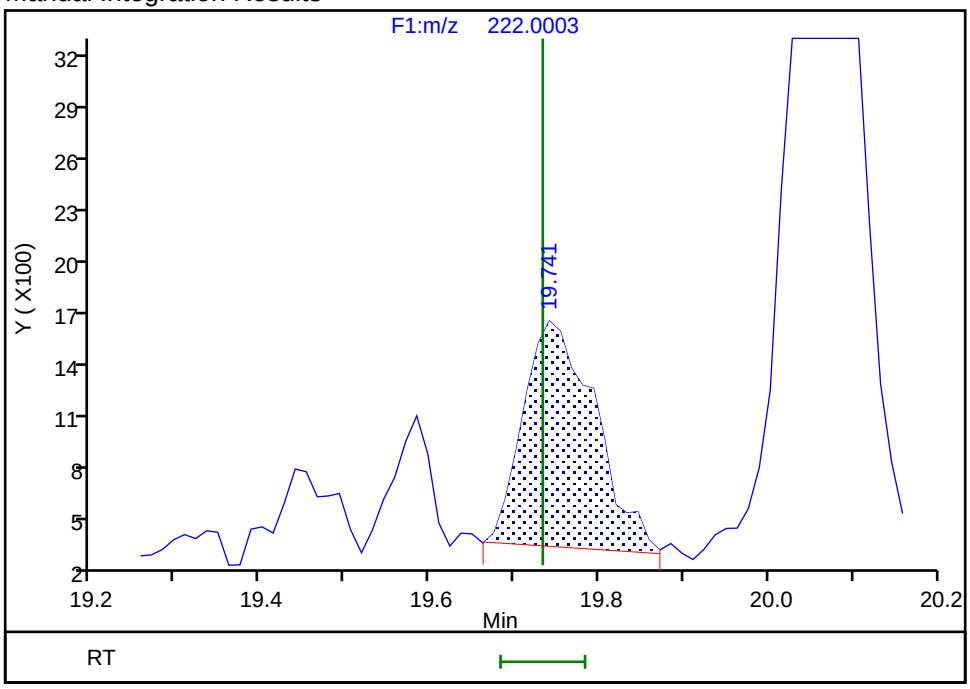
Processing Integration Results

RT: 19.74
Area: 11066
Amount: 0.751172
Amount Units: pg/ul




Manual Integration Results

RT: 19.74
Area: 7624
Amount: 0.564749
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:10:49
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

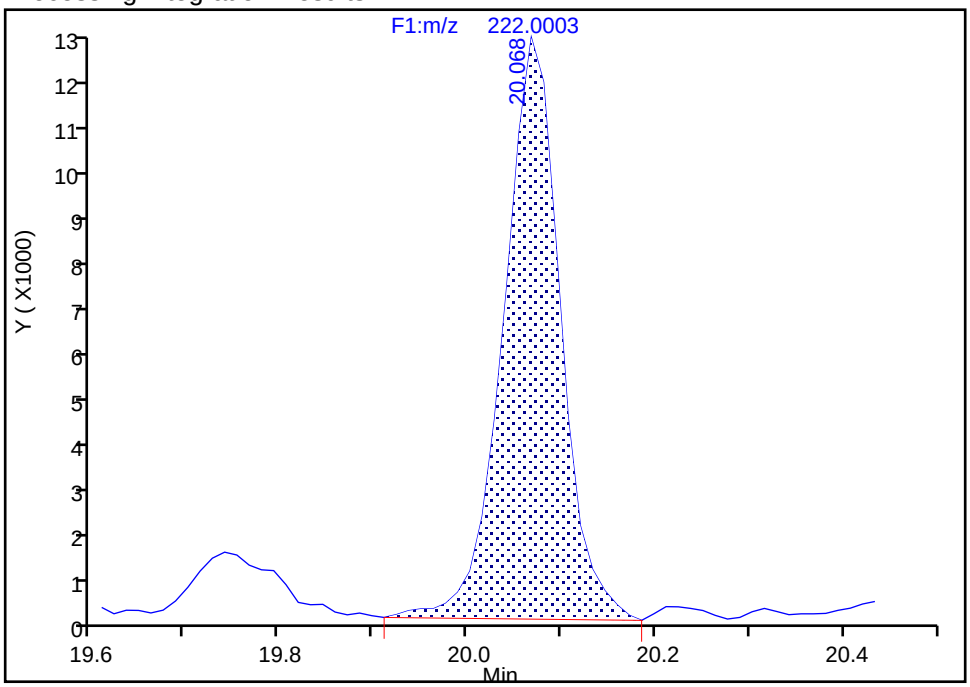
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 1

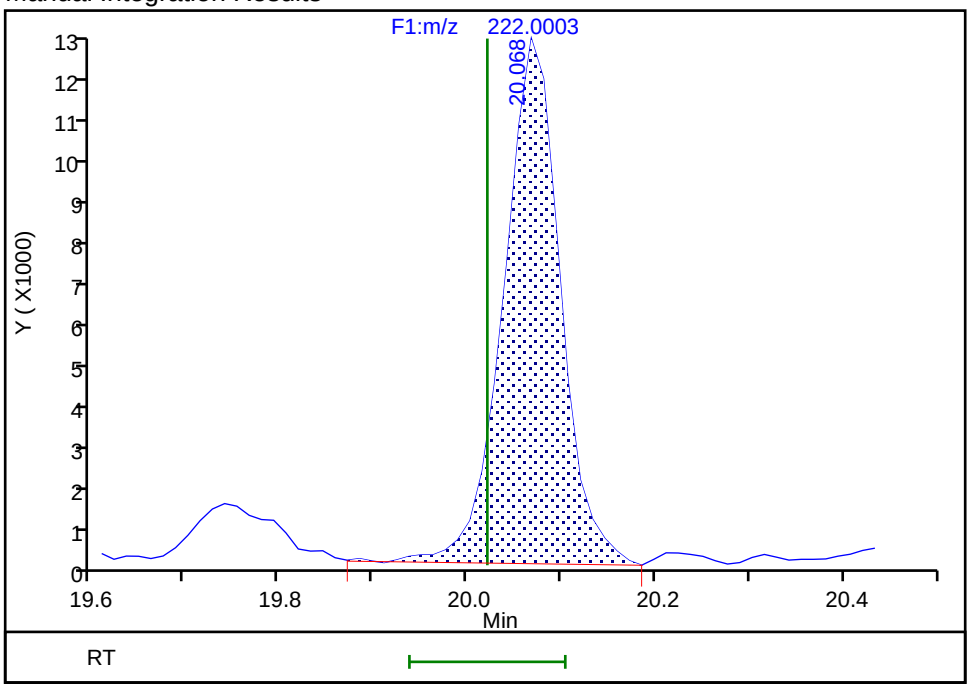
Processing Integration Results

RT: 20.07
Area: 51242
Amount: 2.979507
Amount Units: pg/ul




Manual Integration Results

RT: 20.07
Area: 51117
Amount: 2.975004
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:10:40

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

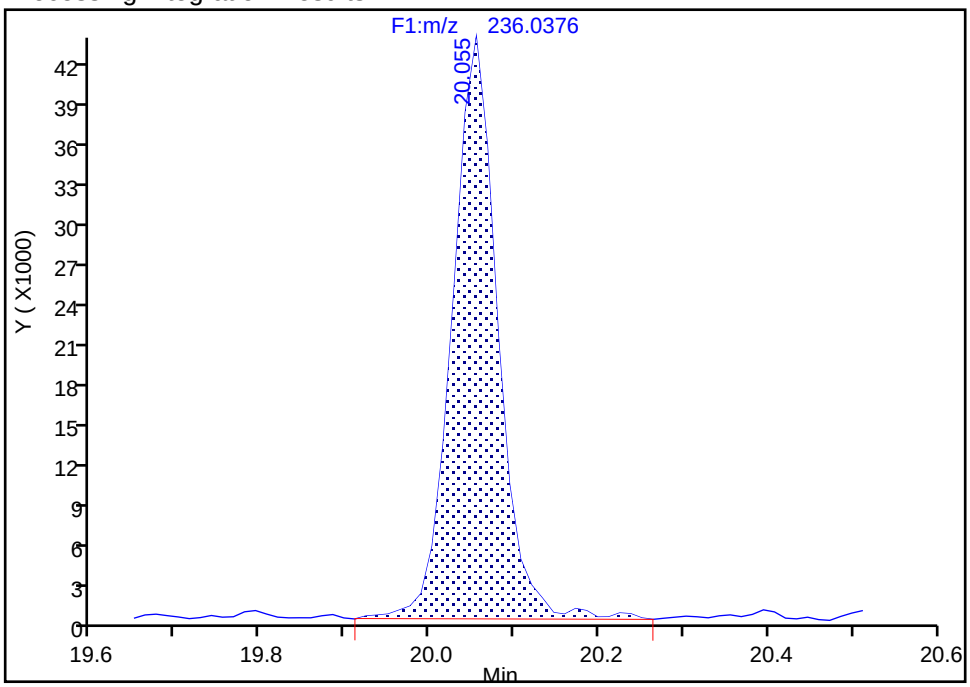
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 2

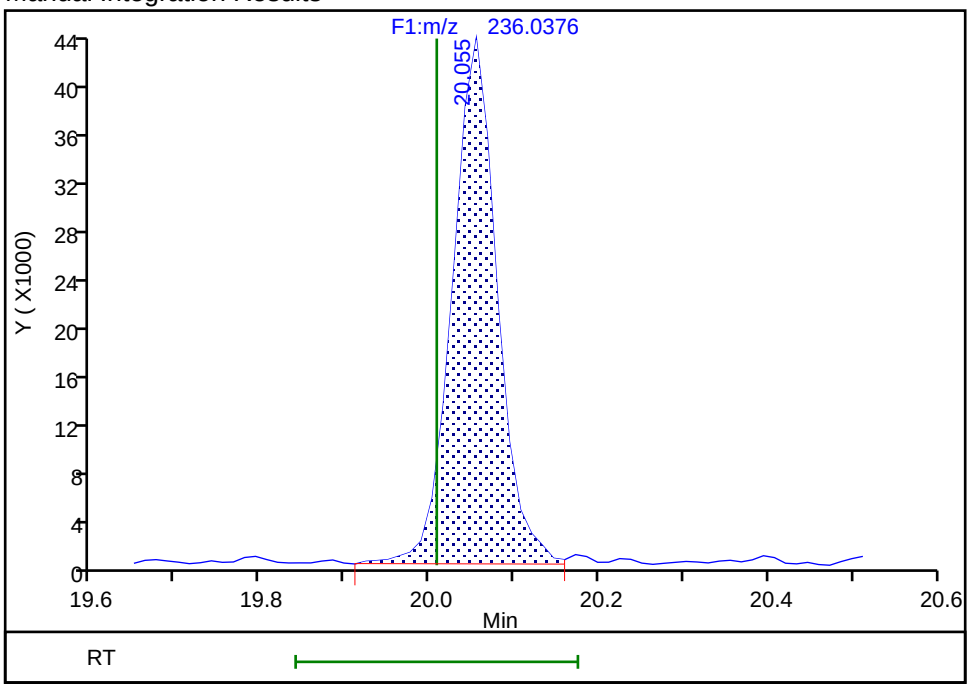
Processing Integration Results

RT: 20.05
Area: 161655
Amount: 19.281453
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 159380
Amount: 16.113068
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:09:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

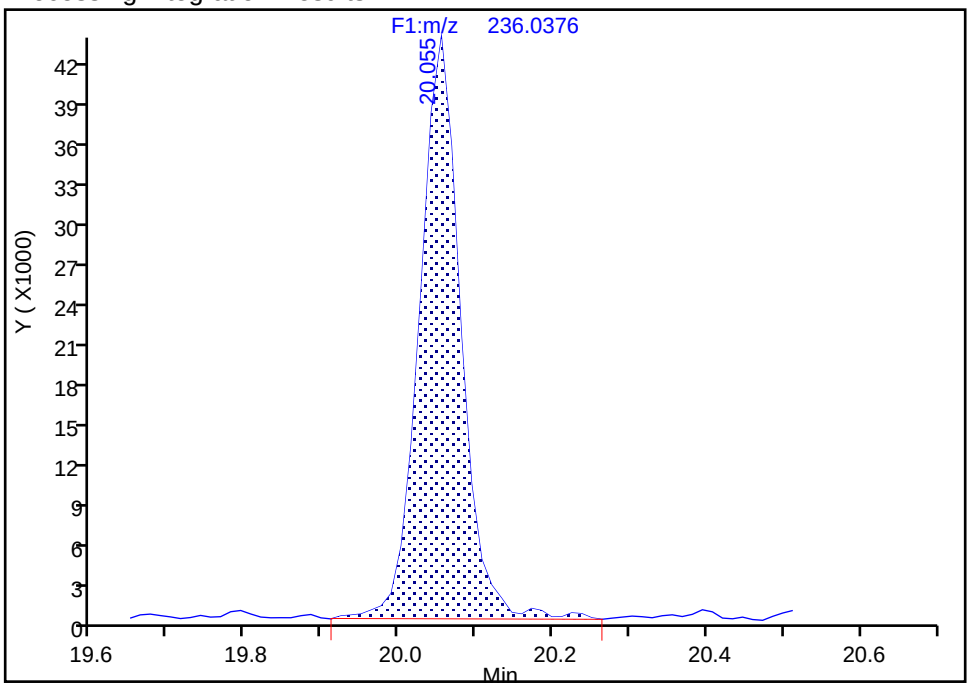
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 3

Processing Integration Results

RT: 20.05
Area: 473750
Amount: 19.281453
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 395902
Amount: 16.113068
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:09:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

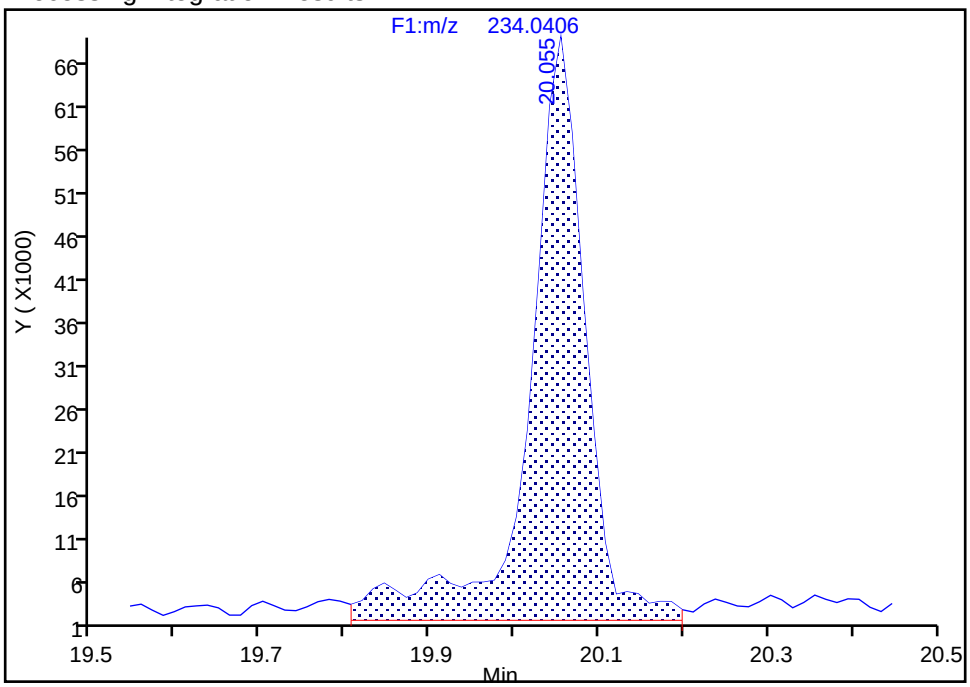
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 1

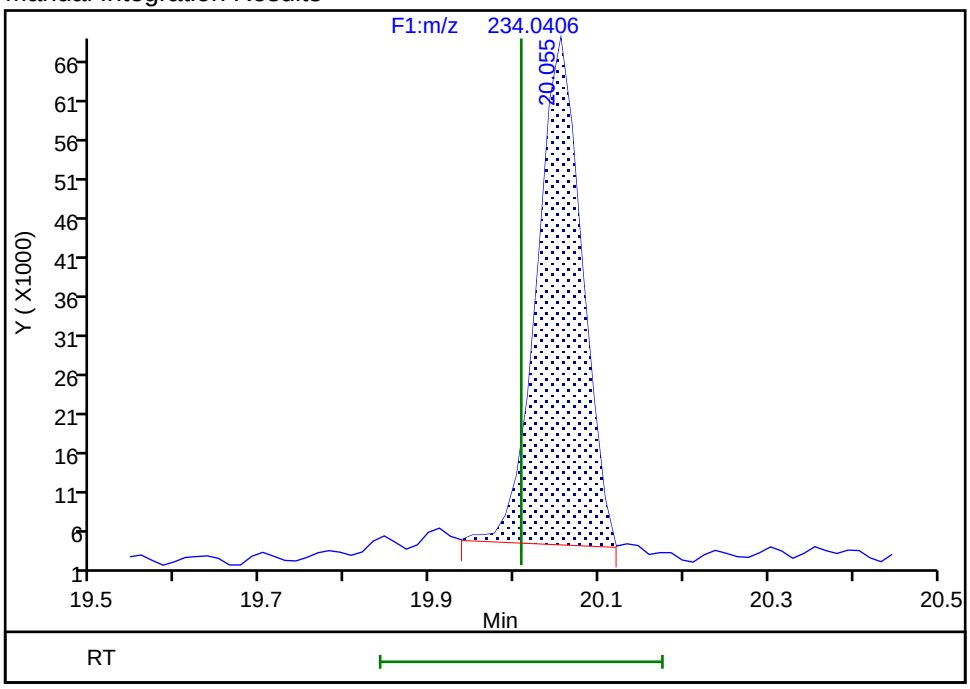
Processing Integration Results

RT: 20.05
Area: 312095
Amount: 19.281453
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 236522
Amount: 16.113068
Amount Units: pg/ul



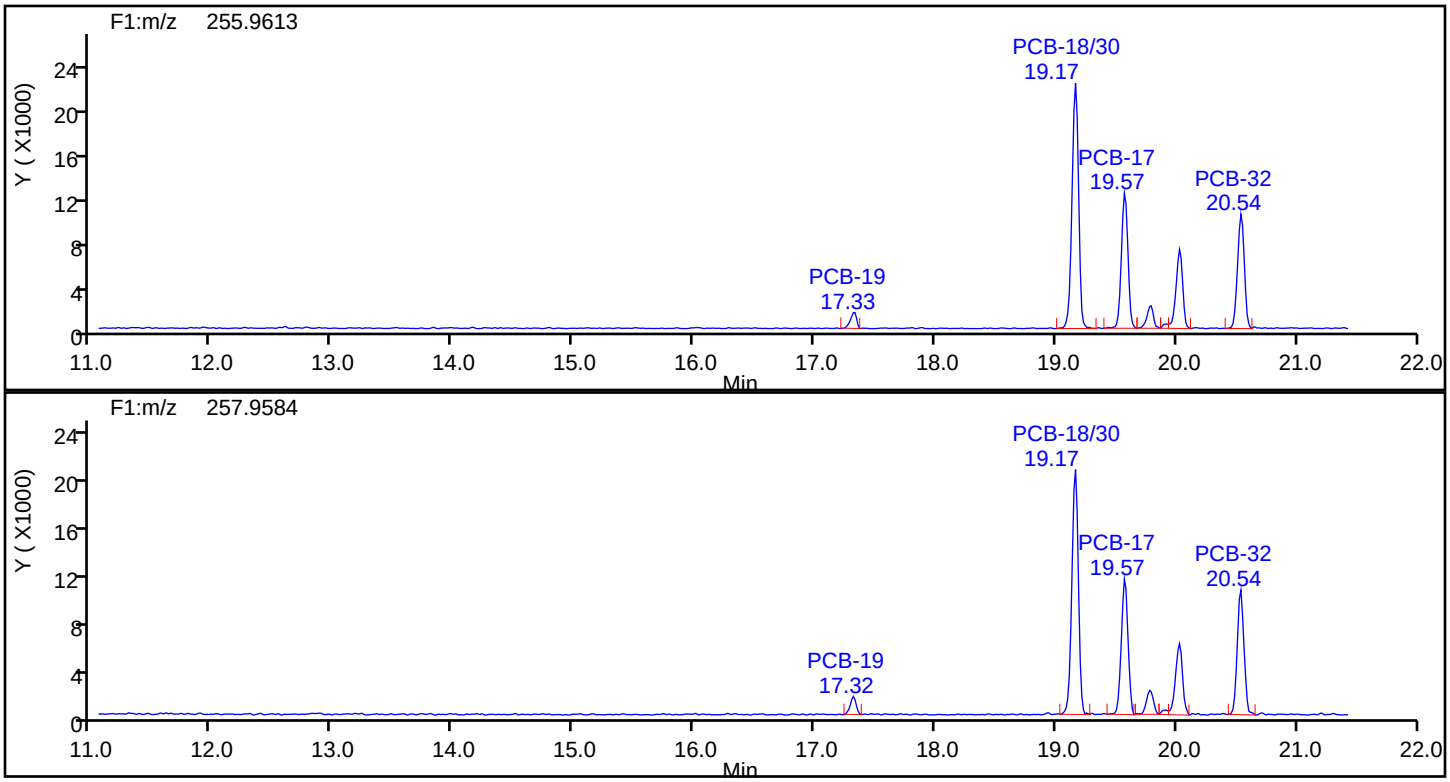

Reviewer: mcwhirterl, 03-Oct-2019 23:10:00

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

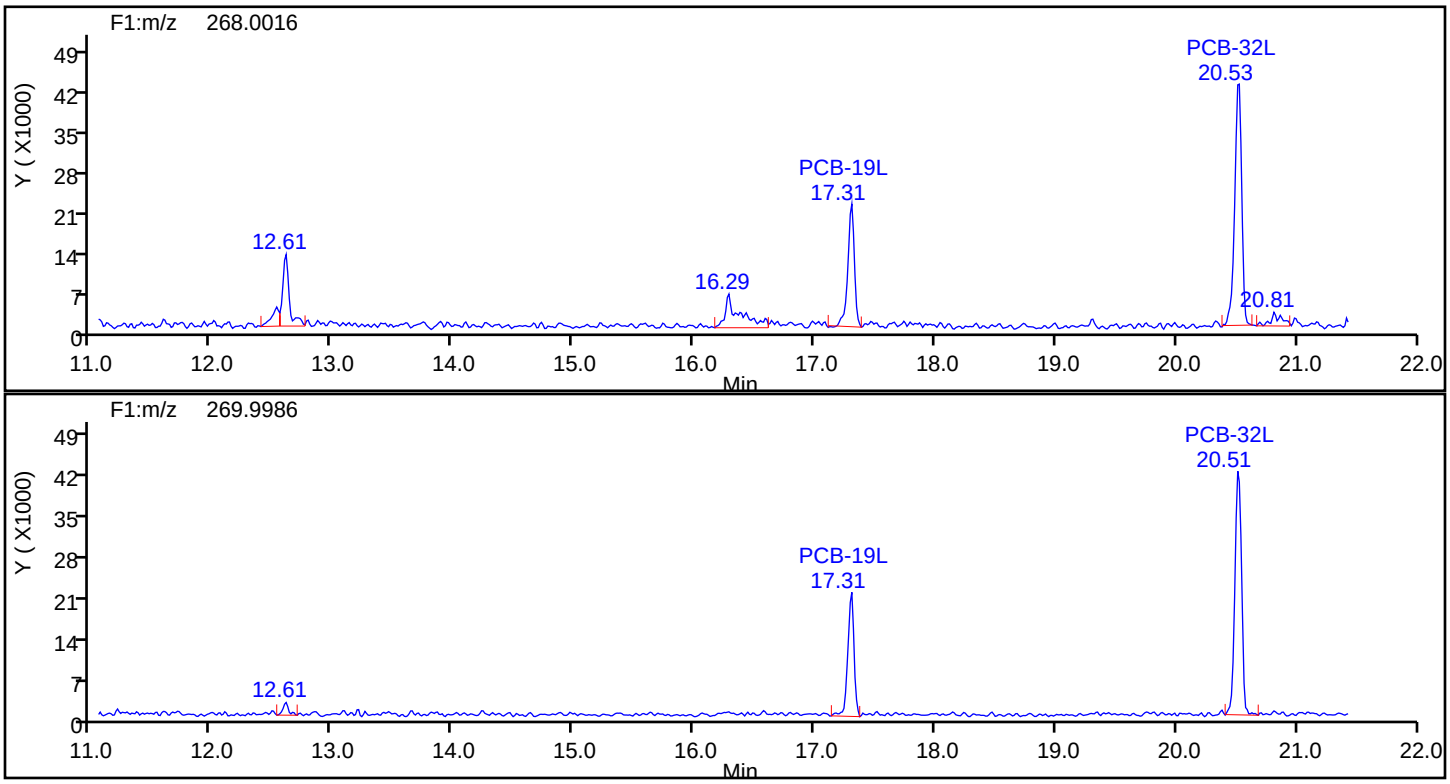
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



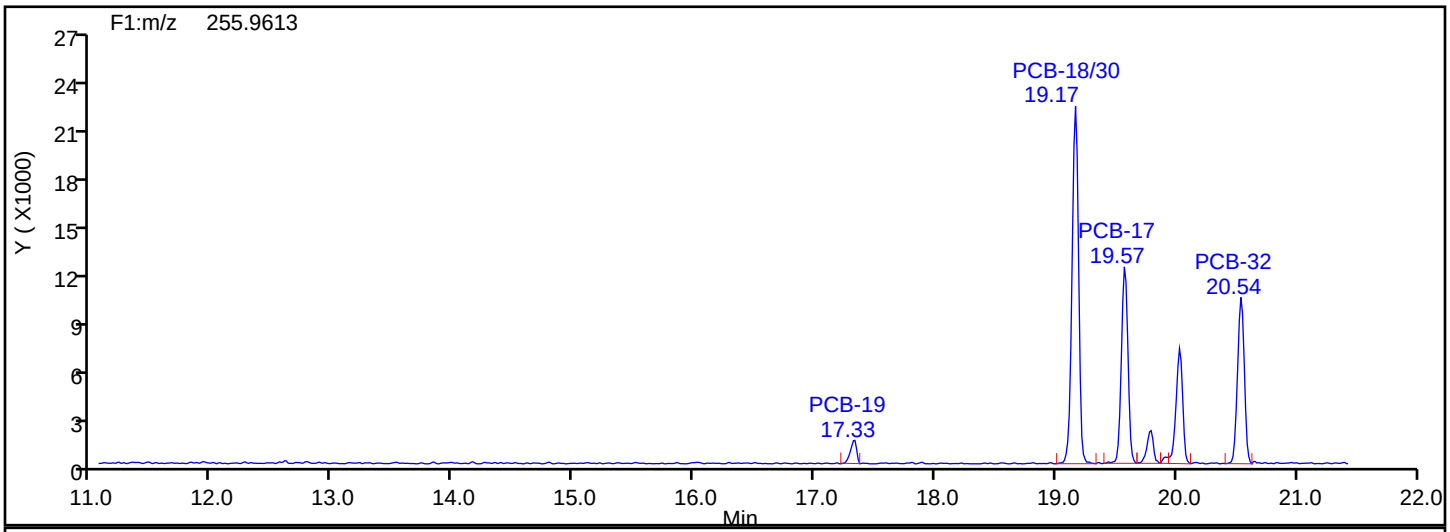

TriPCB F1 Standards

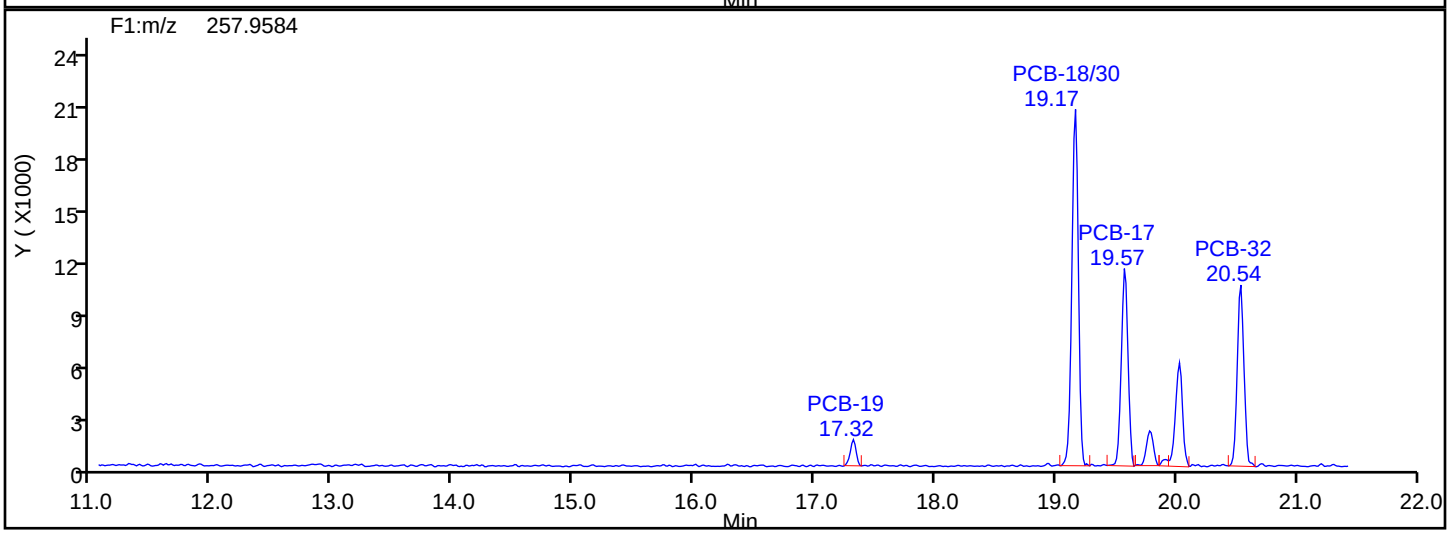


Eurofins TestAmerica, Knoxville

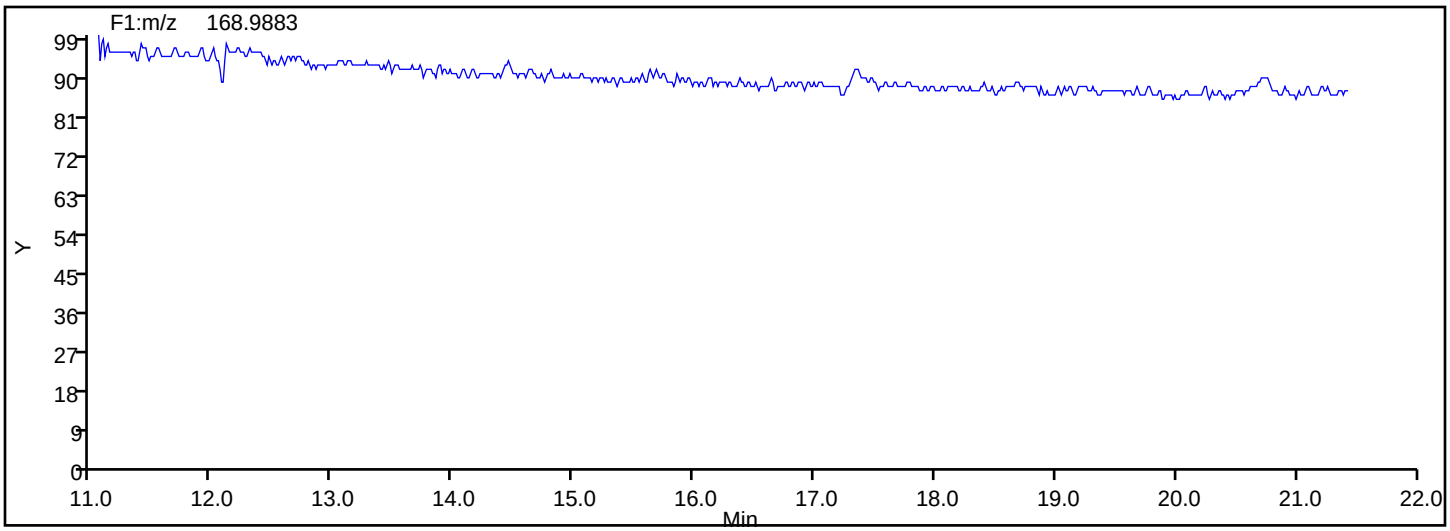
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

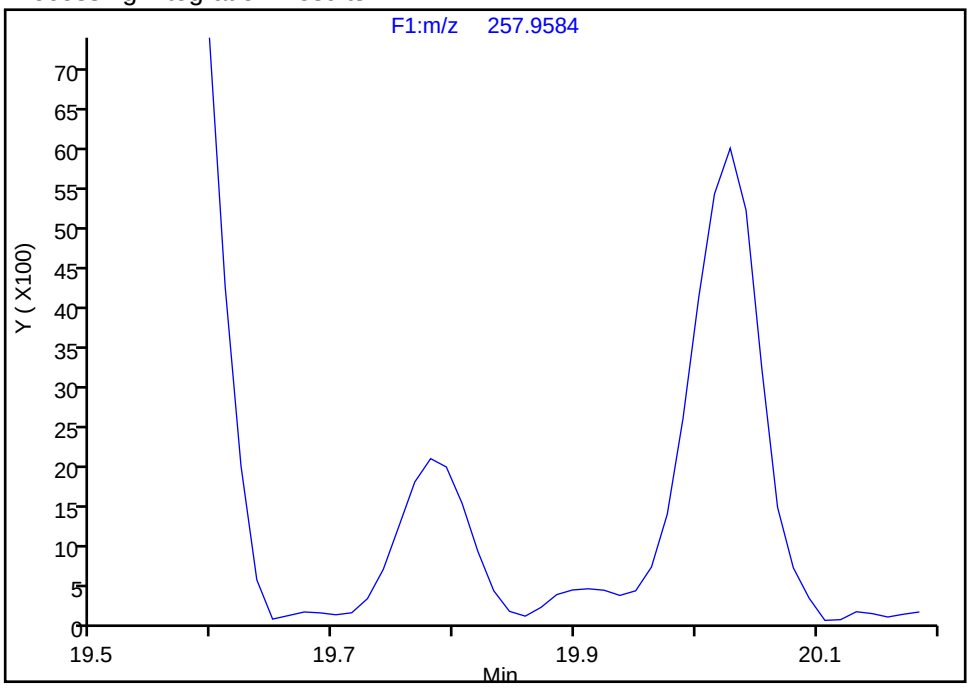
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 2

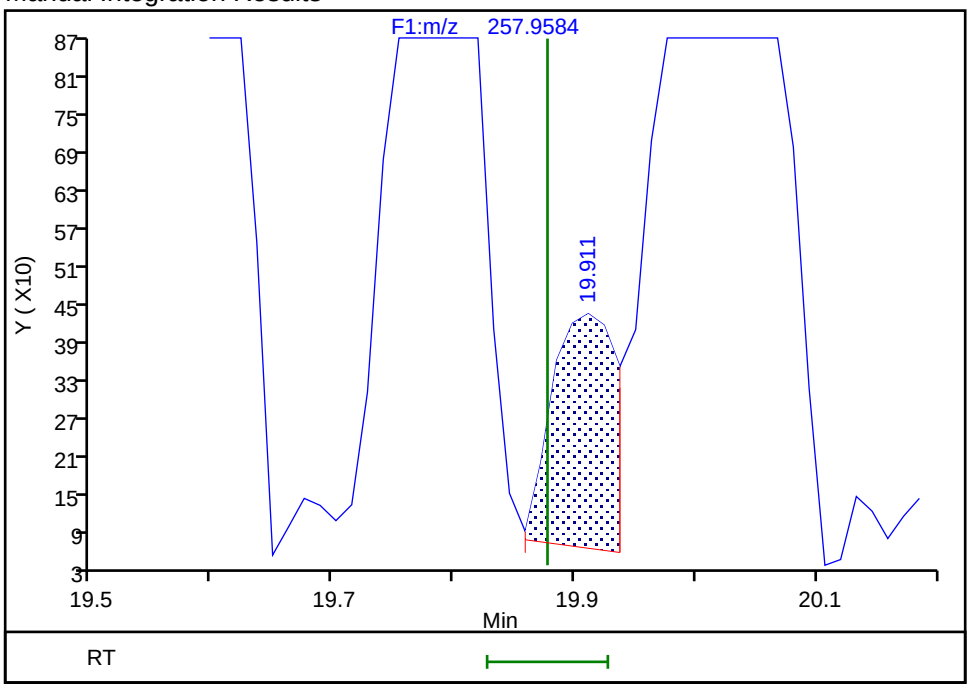
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.91
Area: 1285
Amount: 0.146964
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:11:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

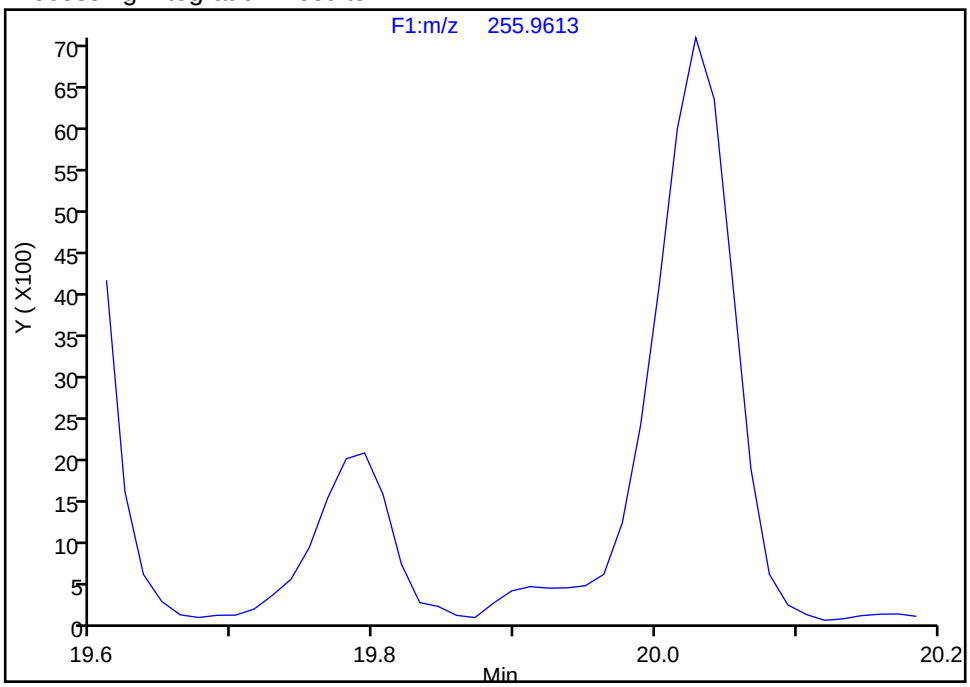
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

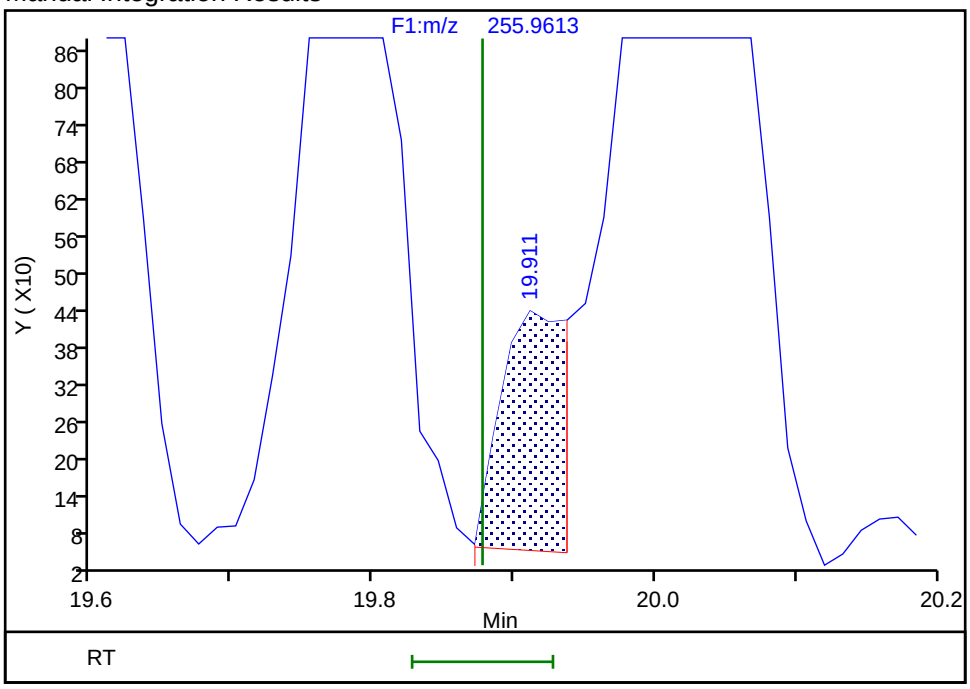
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.91
Area: 1140
Amount: 0.146964
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:11:41
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

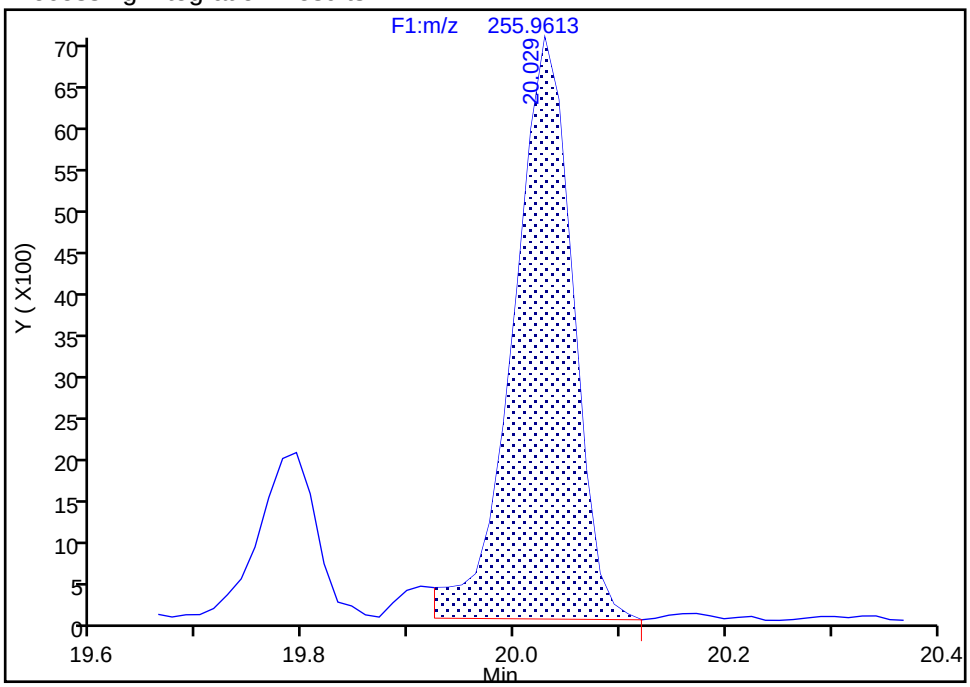
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

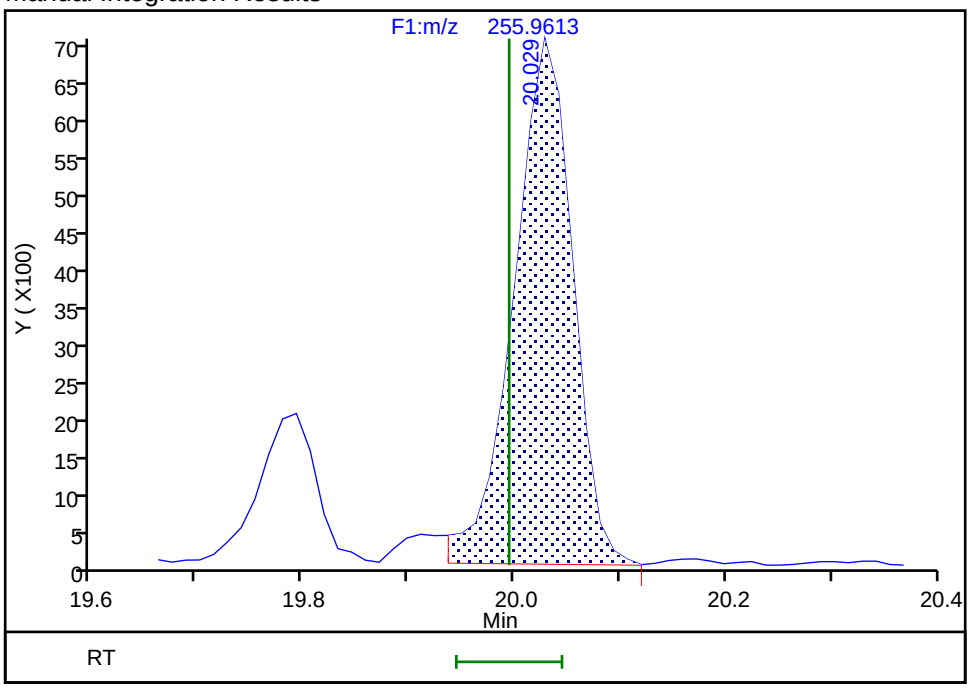
Processing Integration Results

RT: 20.03
Area: 27511
Amount: 5.357863
Amount Units: pg/ul




Manual Integration Results

RT: 20.03
Area: 27256
Amount: 5.353084
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:11:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

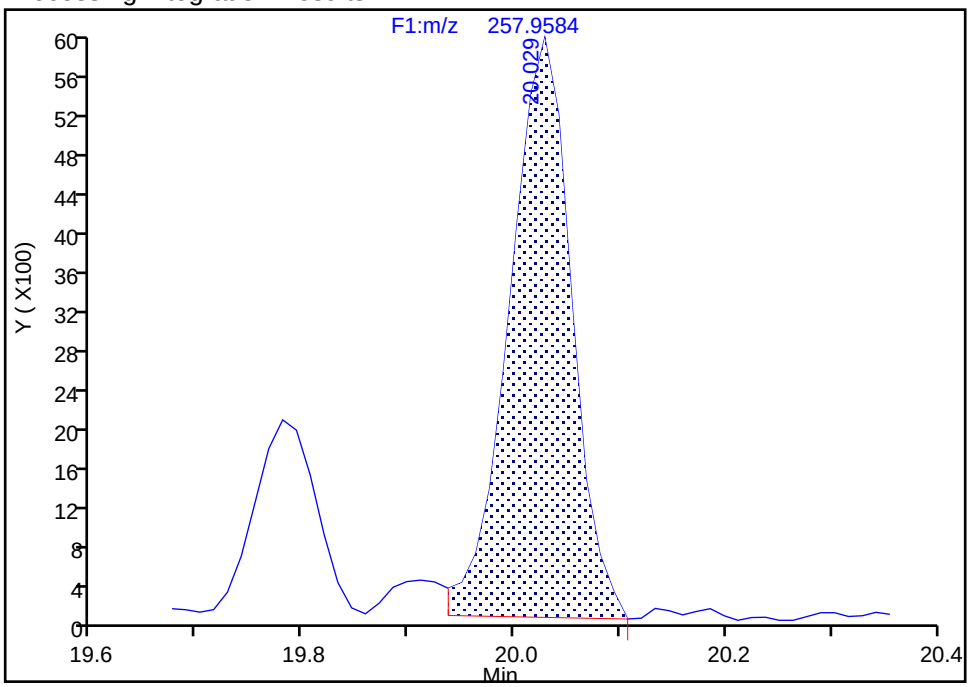
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 2

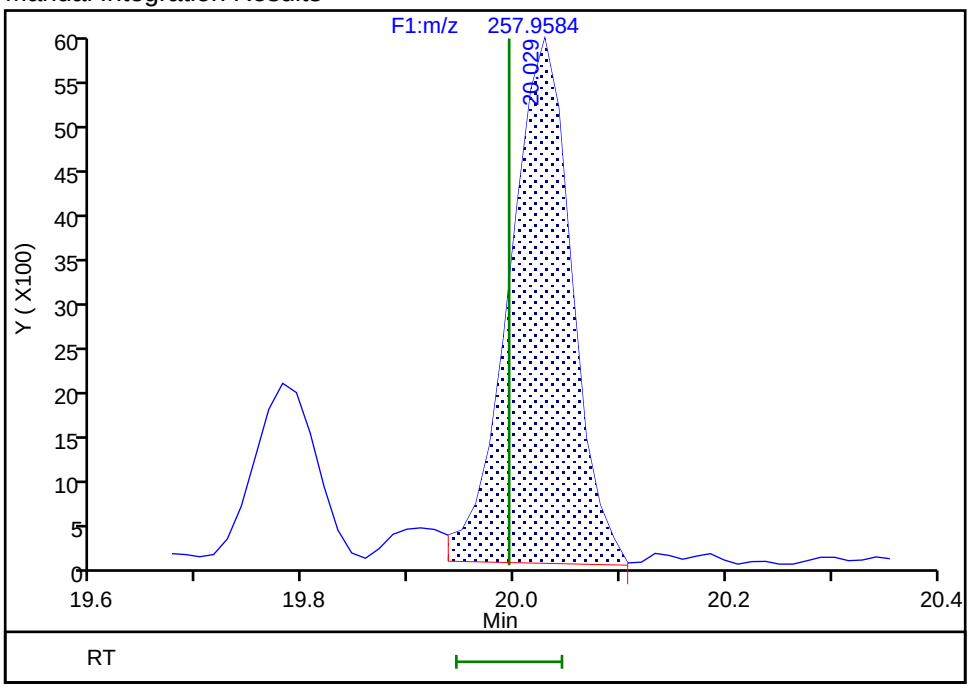
Processing Integration Results

RT: 20.03
Area: 24059
Amount: 5.357863
Amount Units: pg/ul




Manual Integration Results

RT: 20.03
Area: 24268
Amount: 5.353084
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:11:37

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

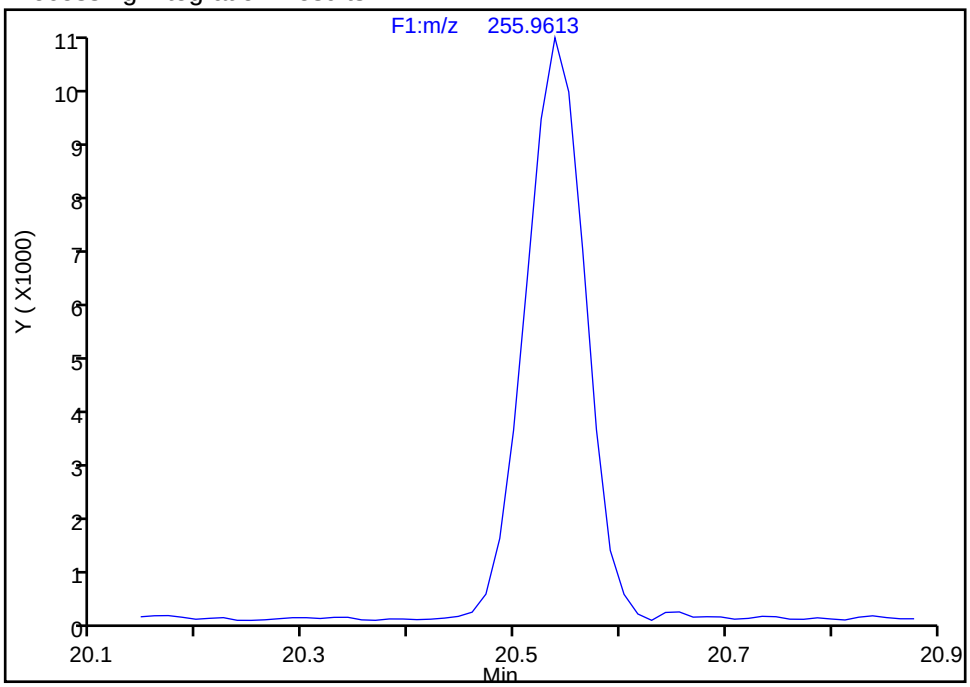
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

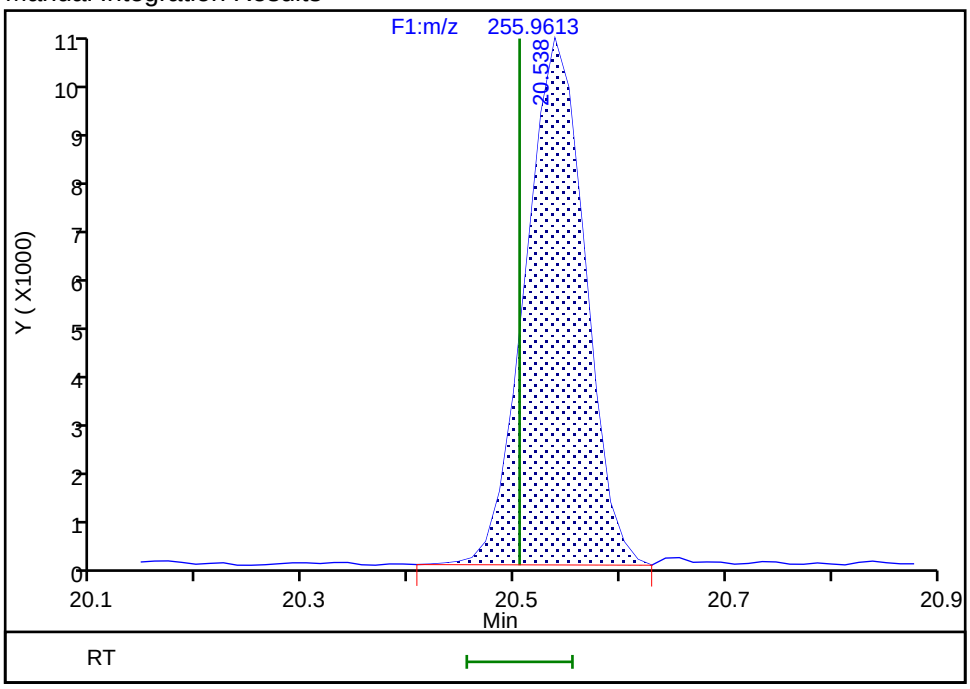
Not Detected
Expected RT: 20.50

Processing Integration Results




Manual Integration Results

RT: 20.54
Area: 40284
Amount: 4.386961
Amount Units: pg/ul

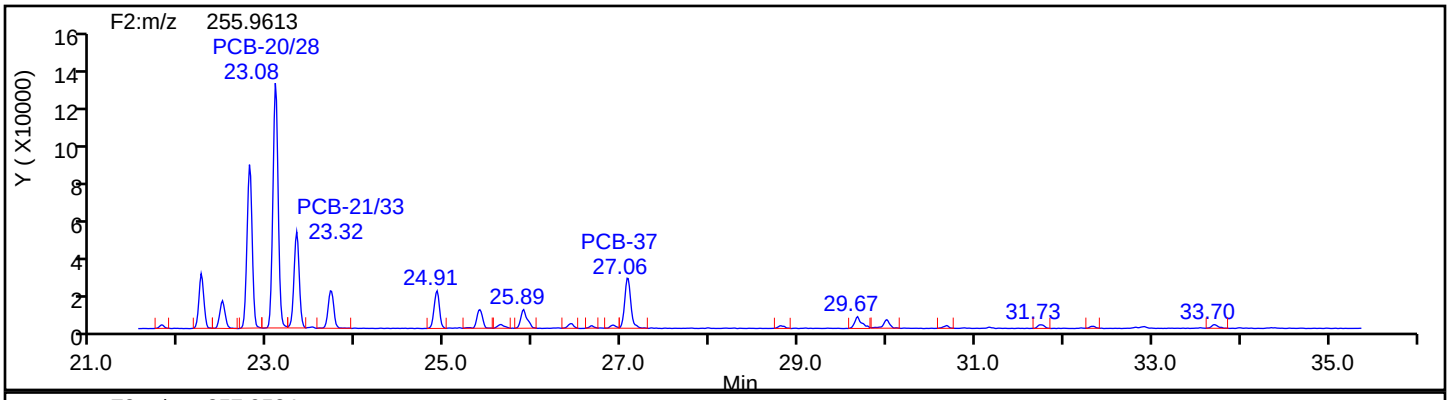


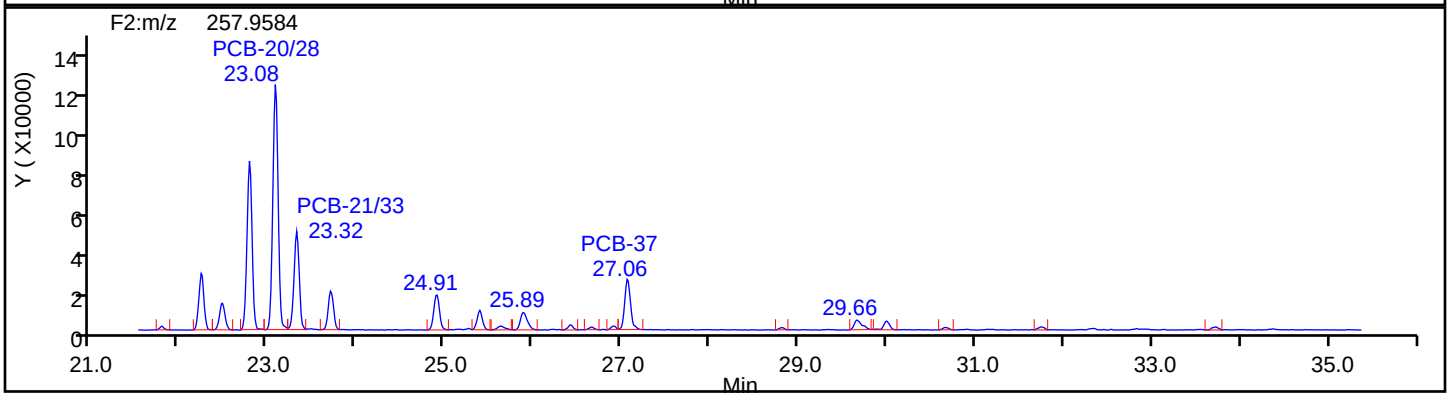

Reviewer: mcwhirterl, 03-Oct-2019 23:12:04
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

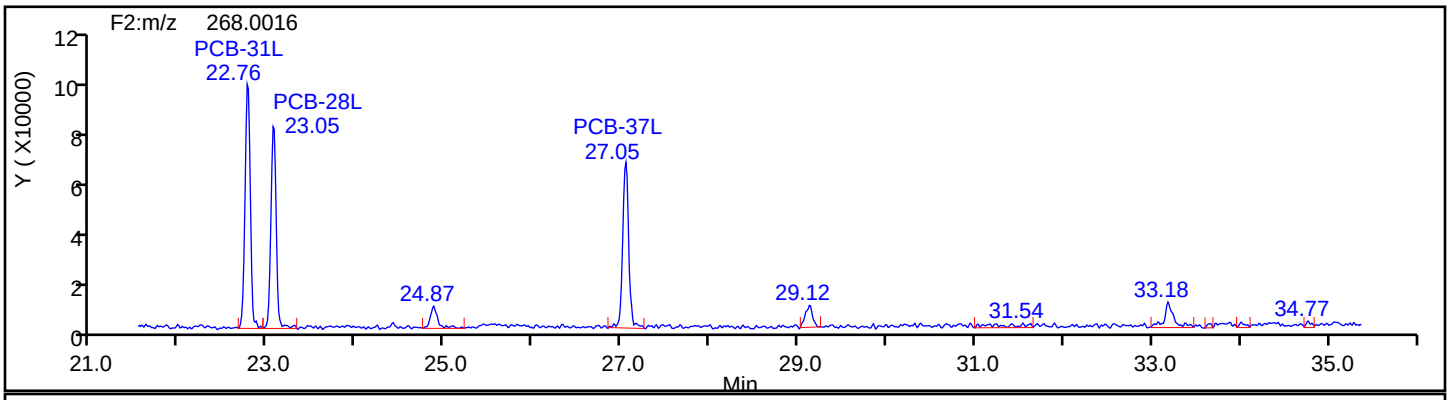
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

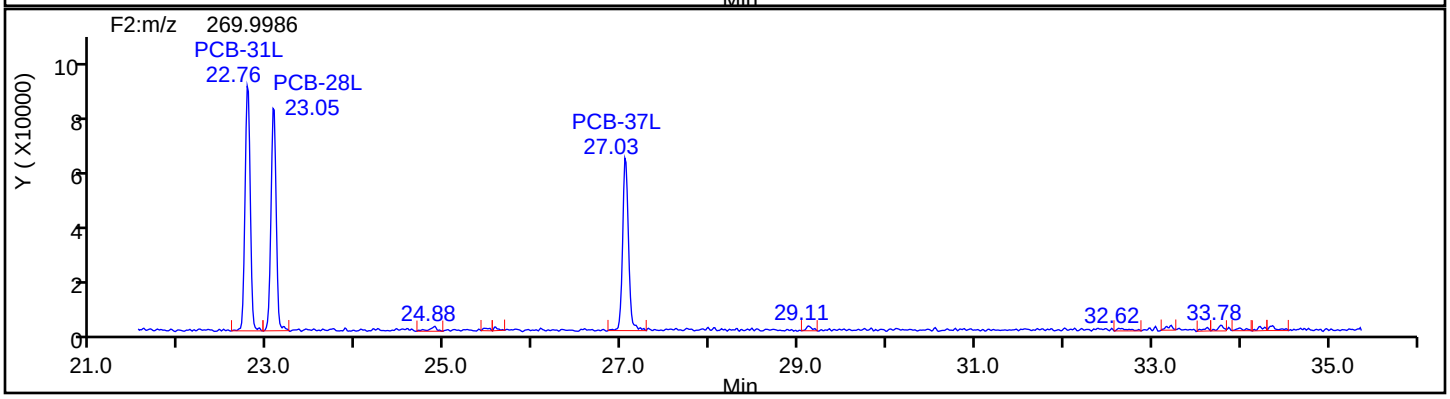
TriPCB F2




TriPCB F2 Standards

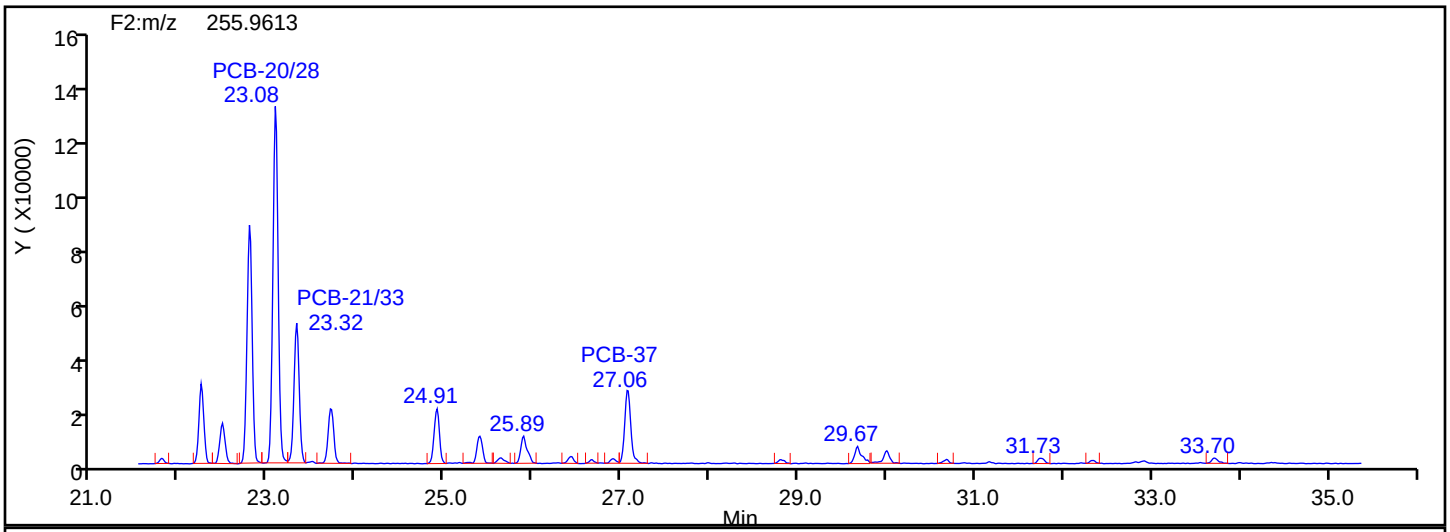


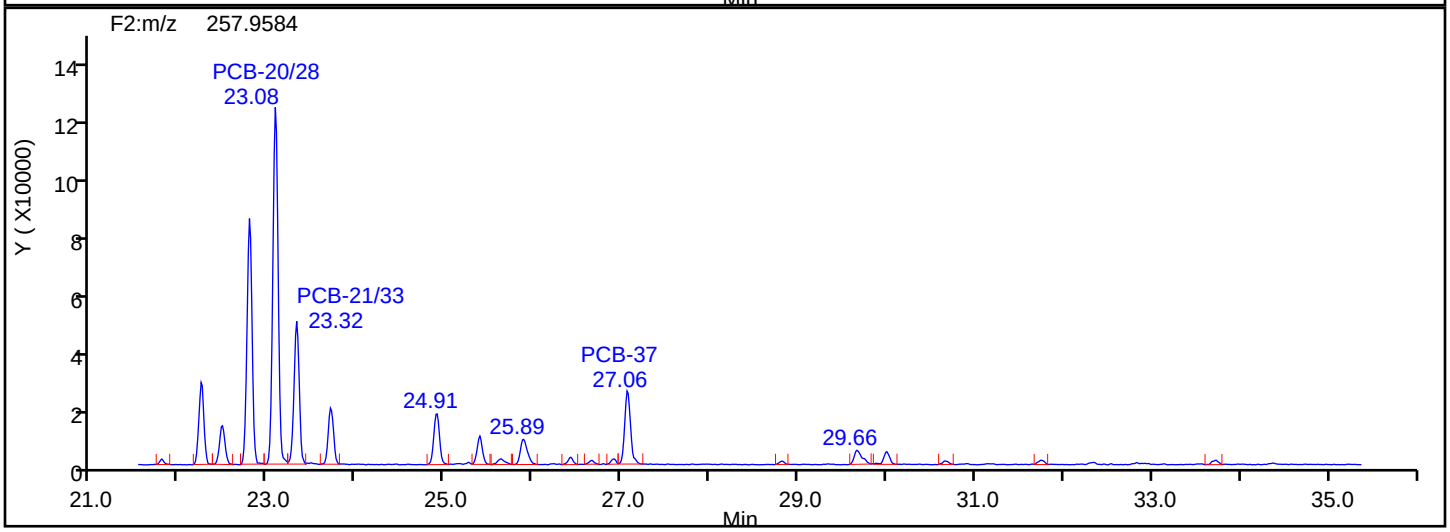



Eurofins TestAmerica, Knoxville

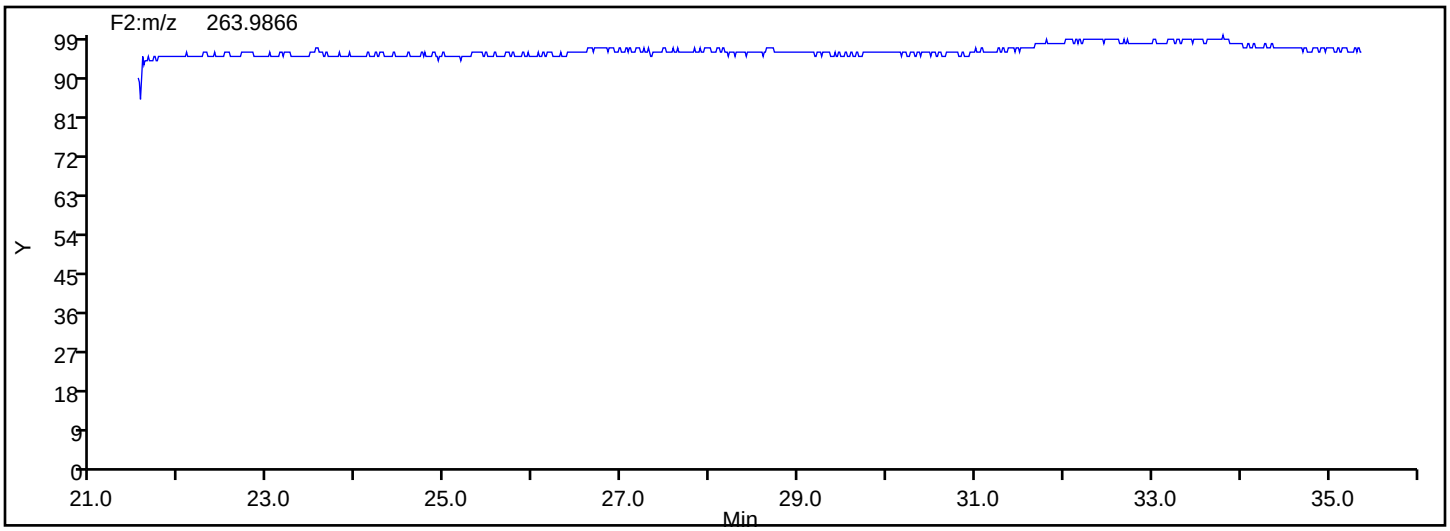
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

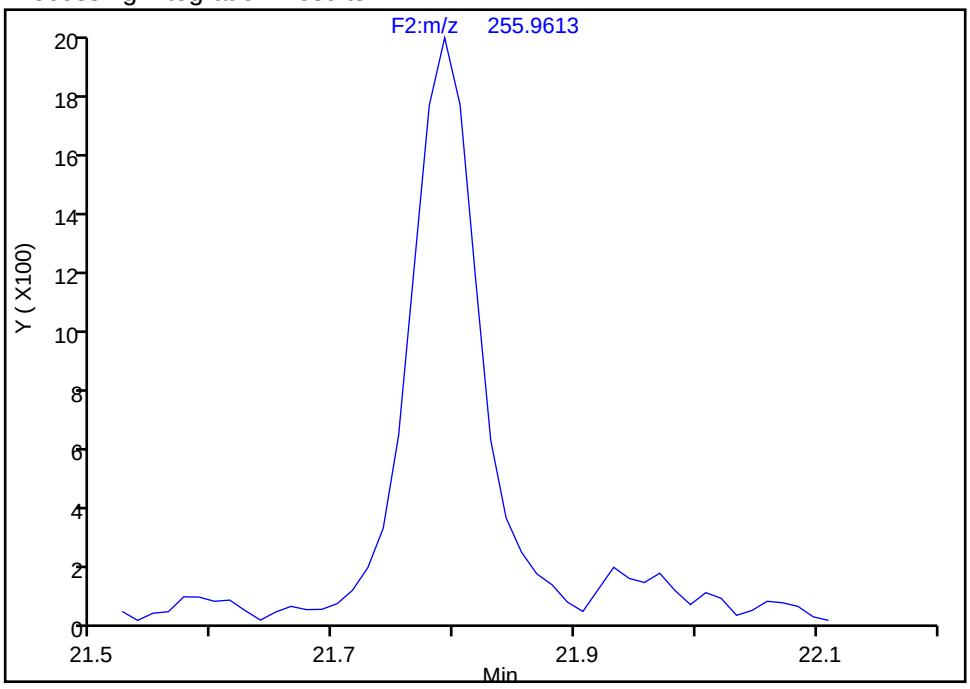
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

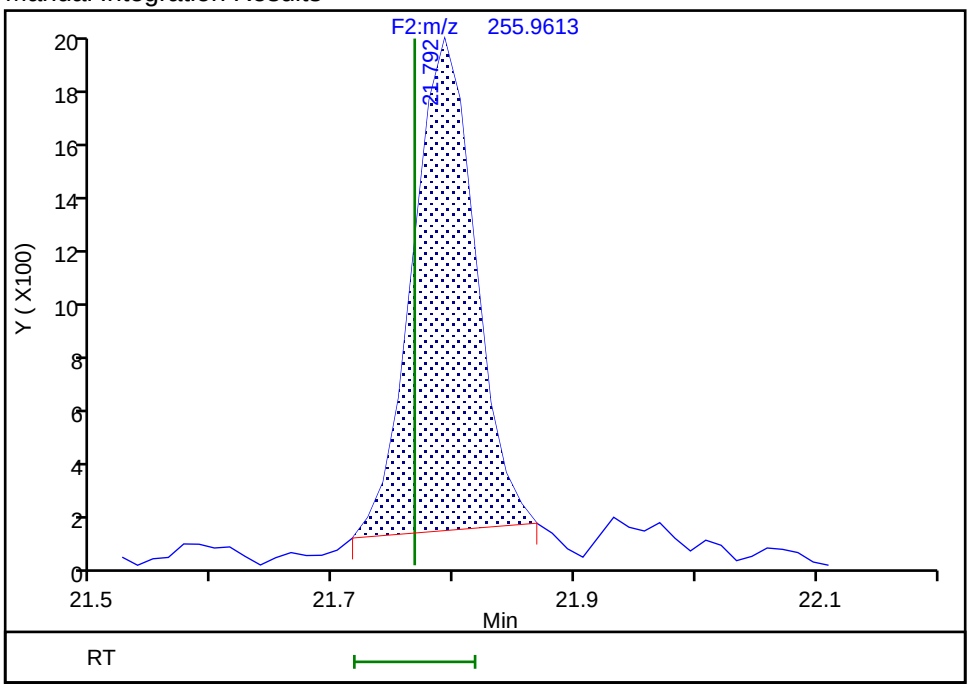
Not Detected
Expected RT: 21.77

Processing Integration Results




Manual Integration Results

RT: 21.79
Area: 6570
Amount: 0.353607
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:13:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

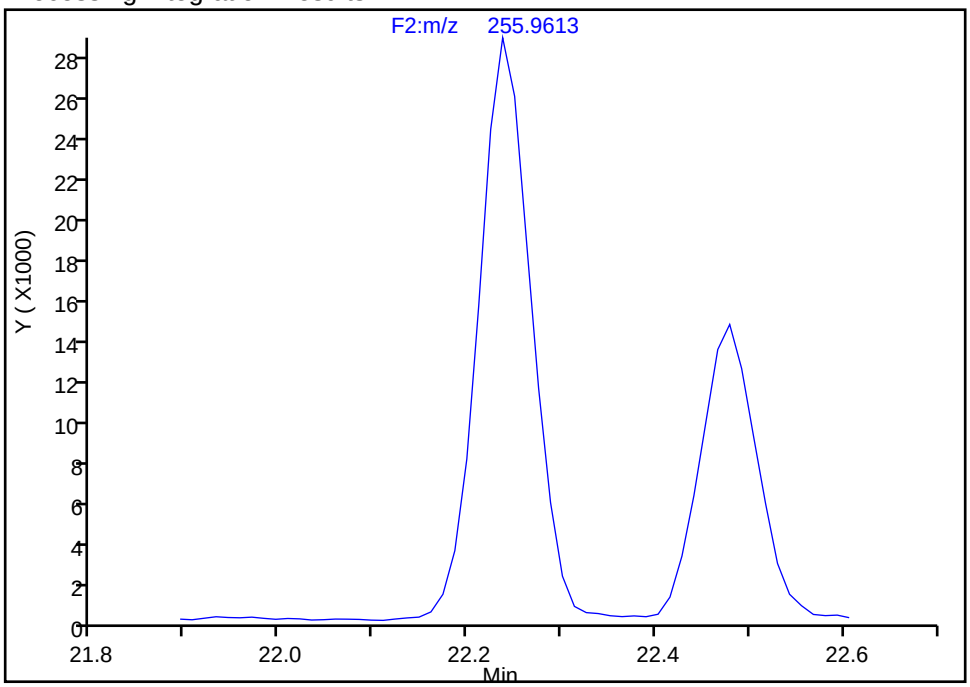
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

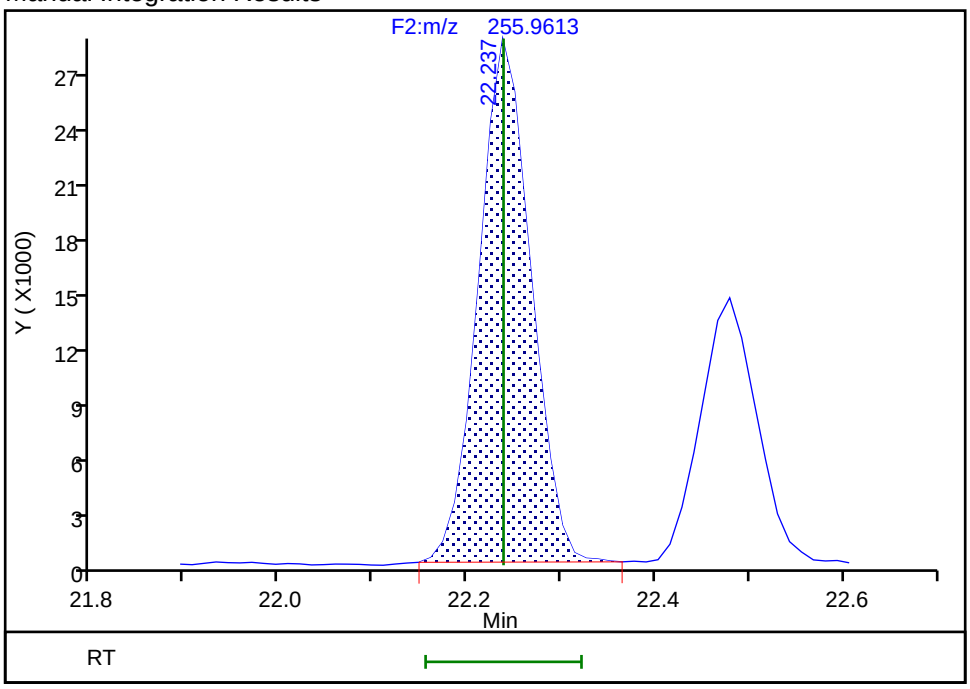
Not Detected
Expected RT: 22.24

Processing Integration Results




Manual Integration Results

RT: 22.24
Area: 109837
Amount: 5.758965
Amount Units: pg/ul

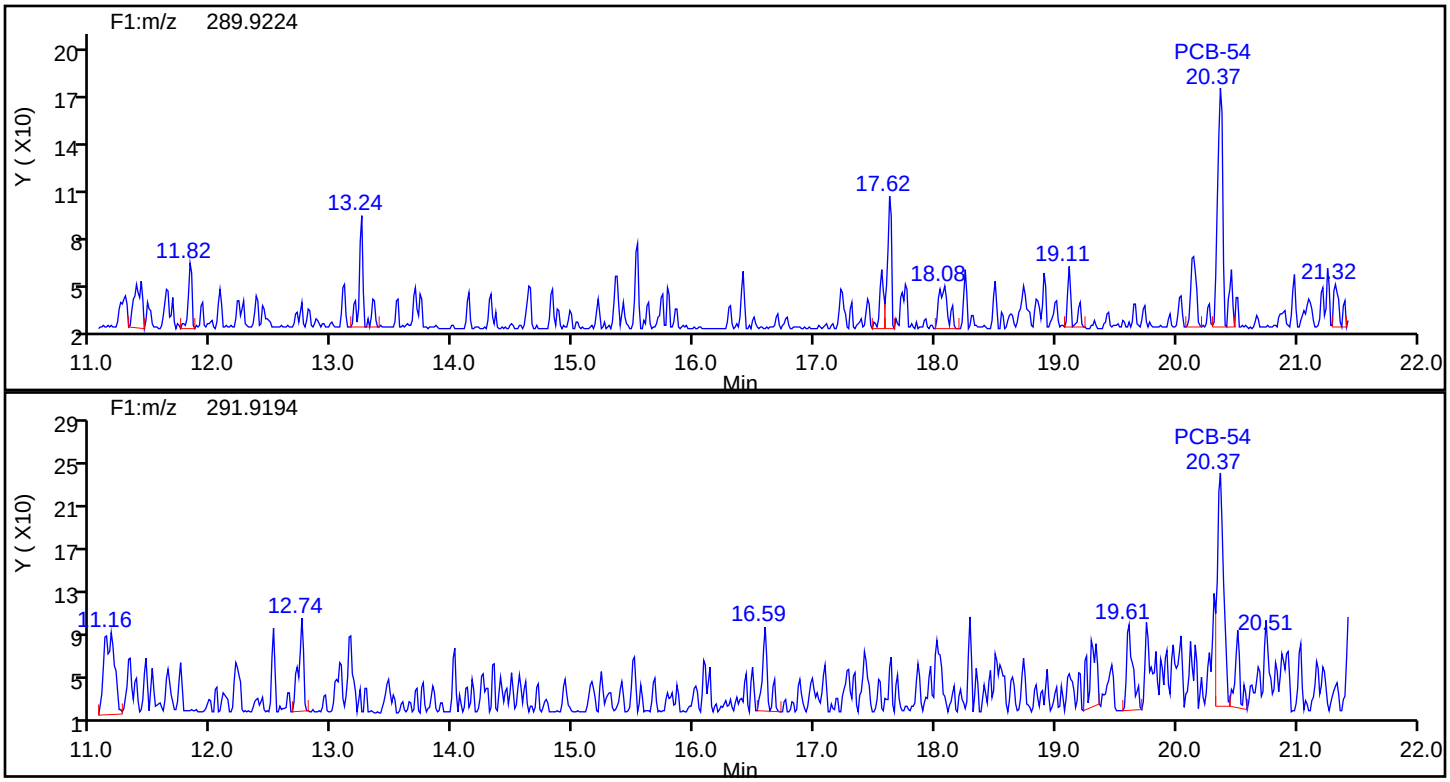



Reviewer: mcwhirterl, 03-Oct-2019 23:13:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

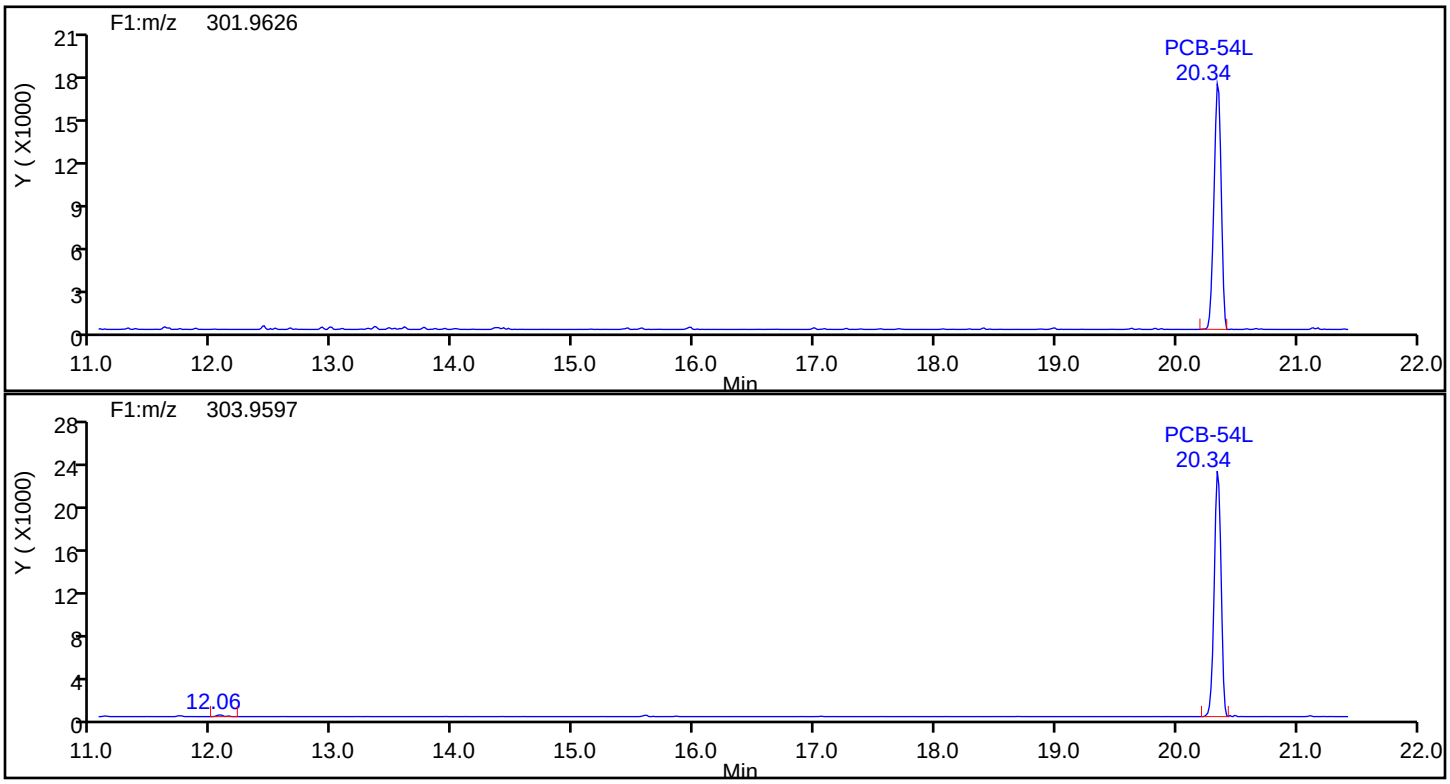
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



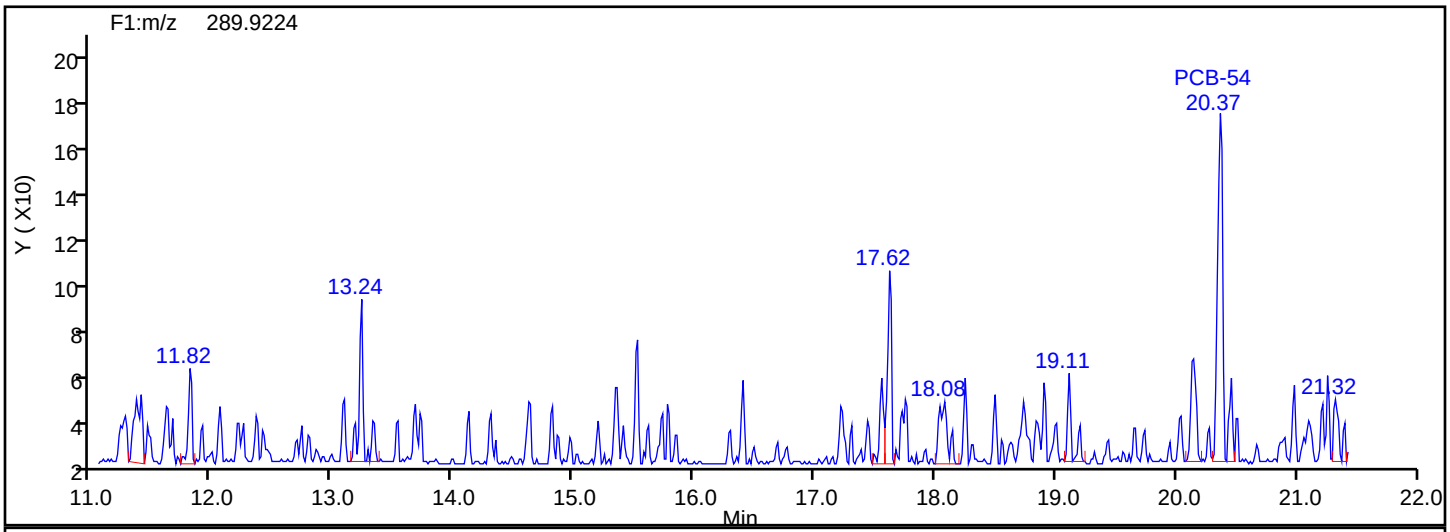

TePCB F1 Standards

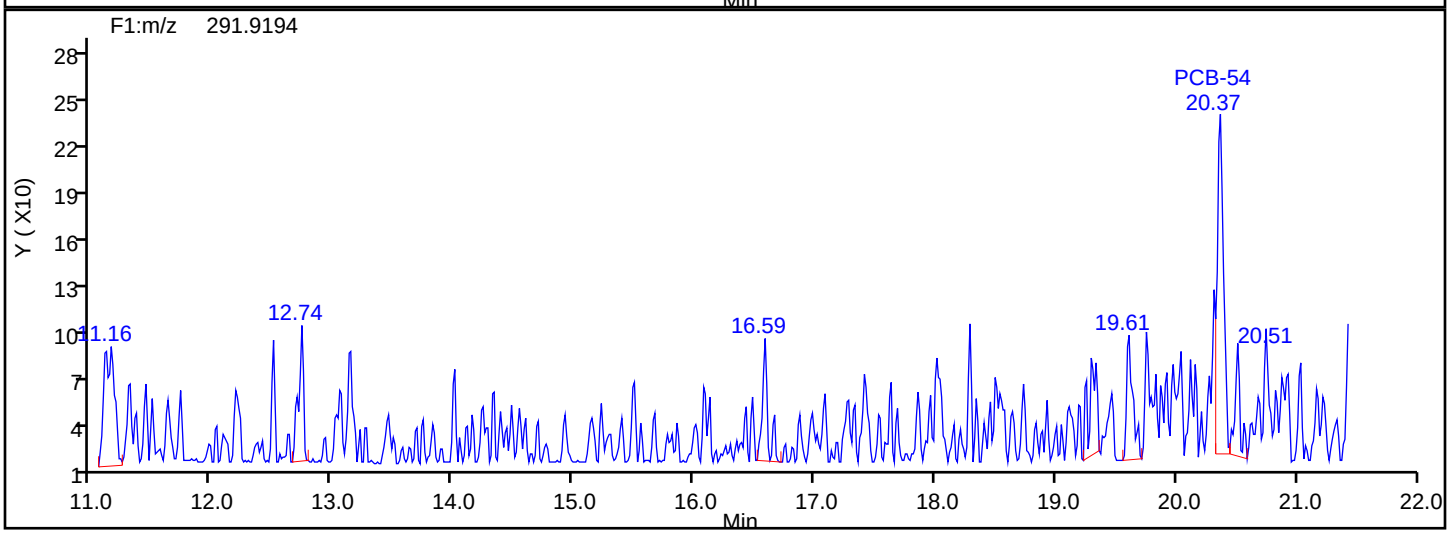


Eurofins TestAmerica, Knoxville

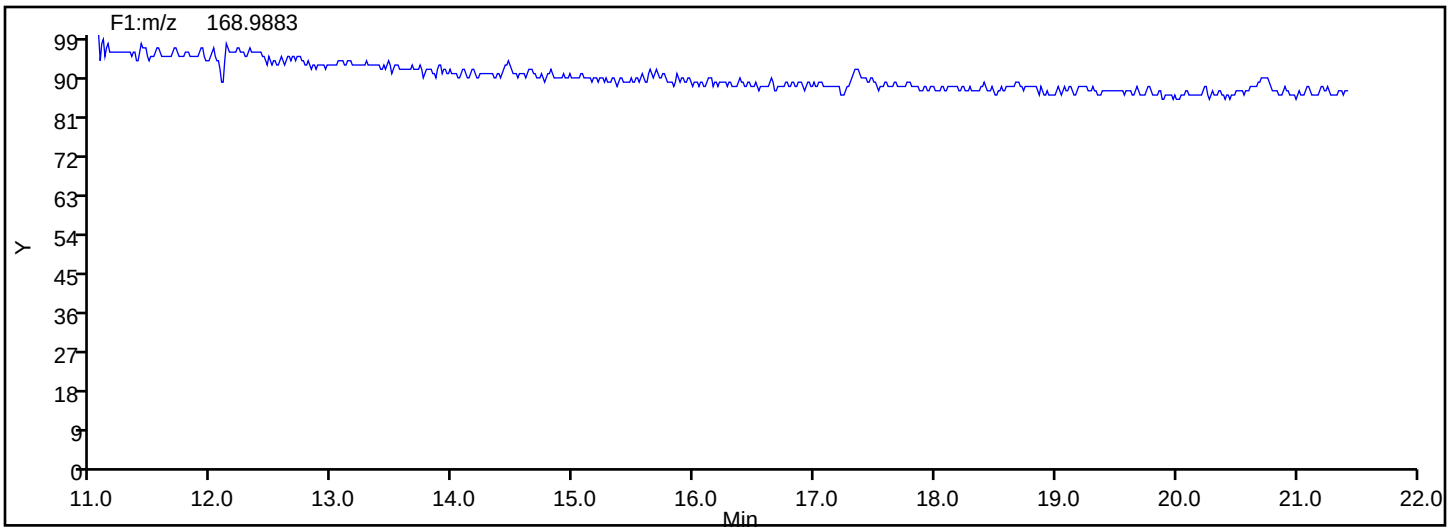
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



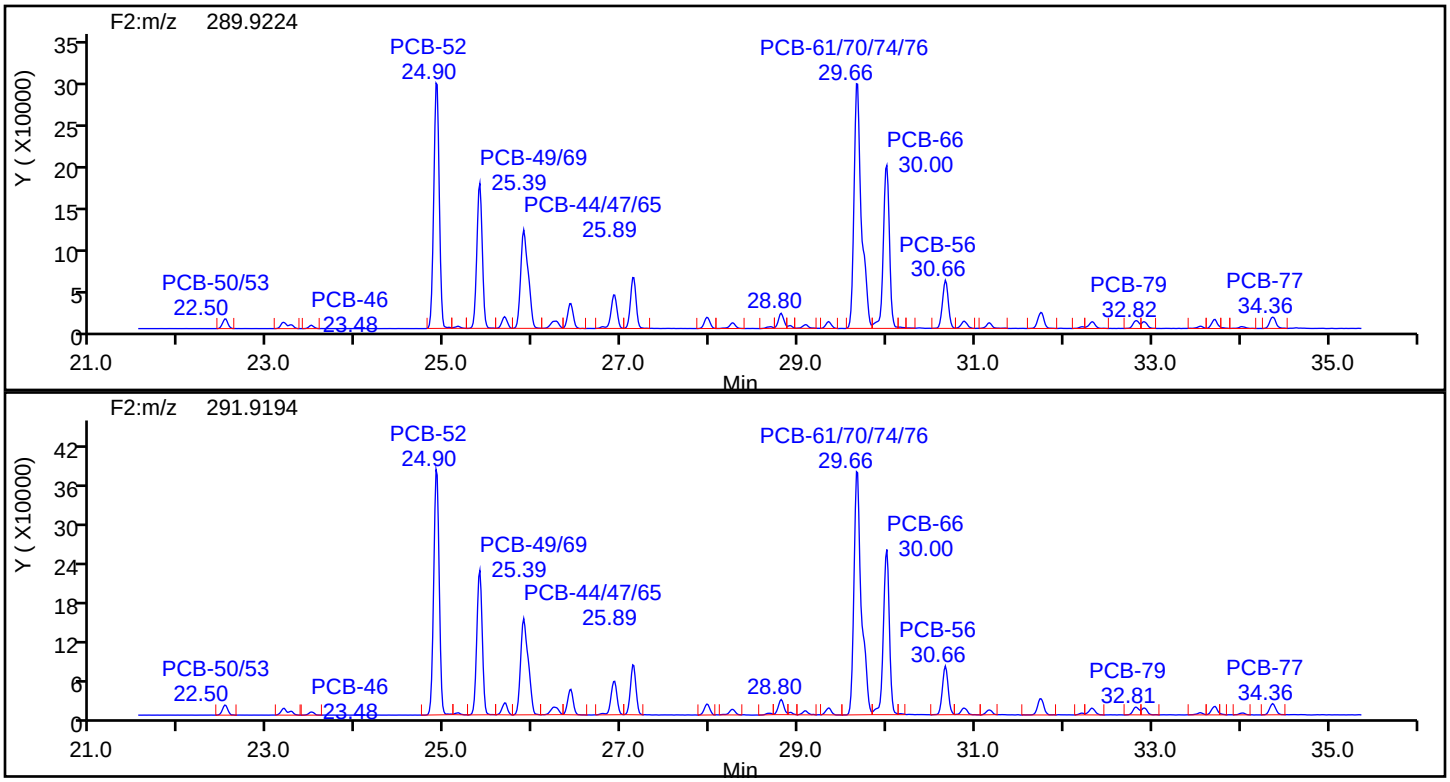

TePCB F1 Lock Mass



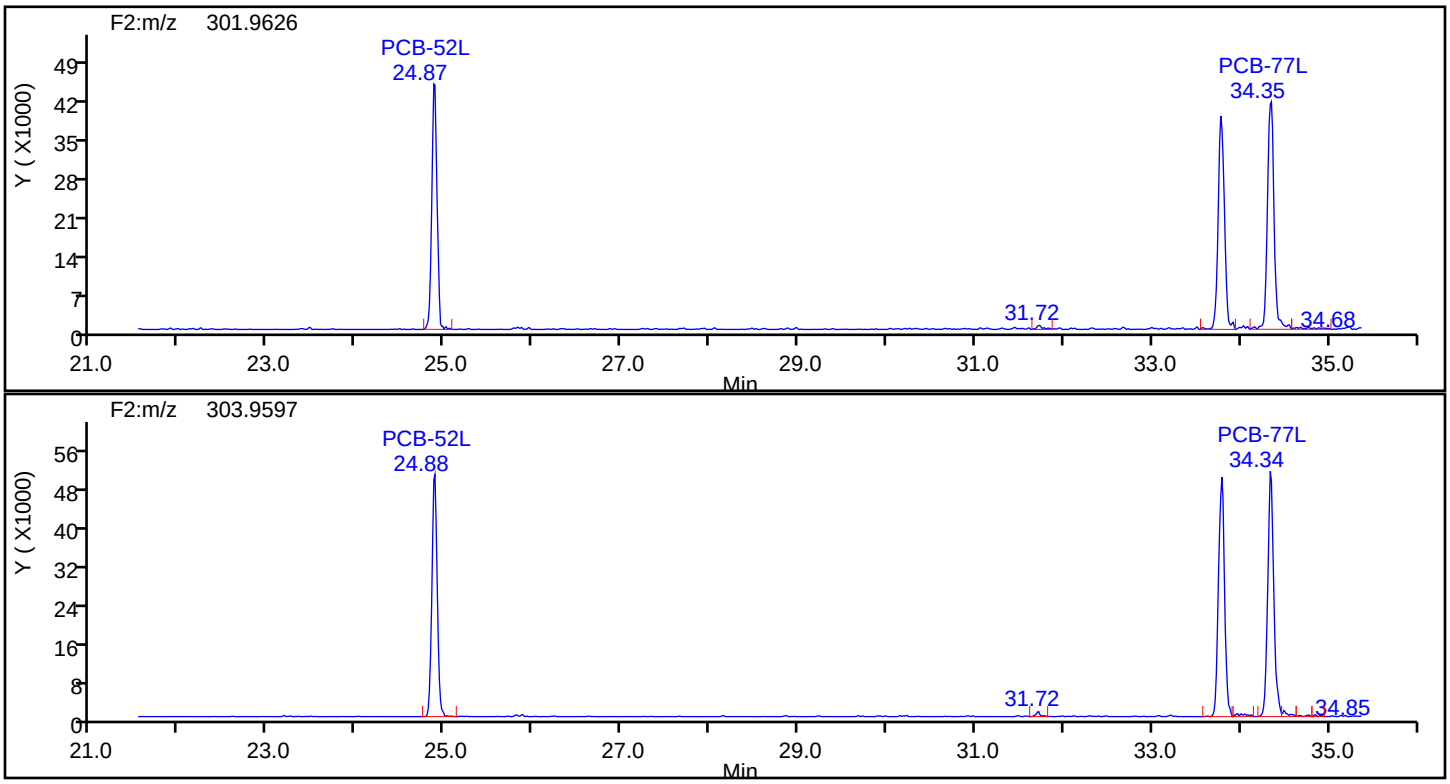
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



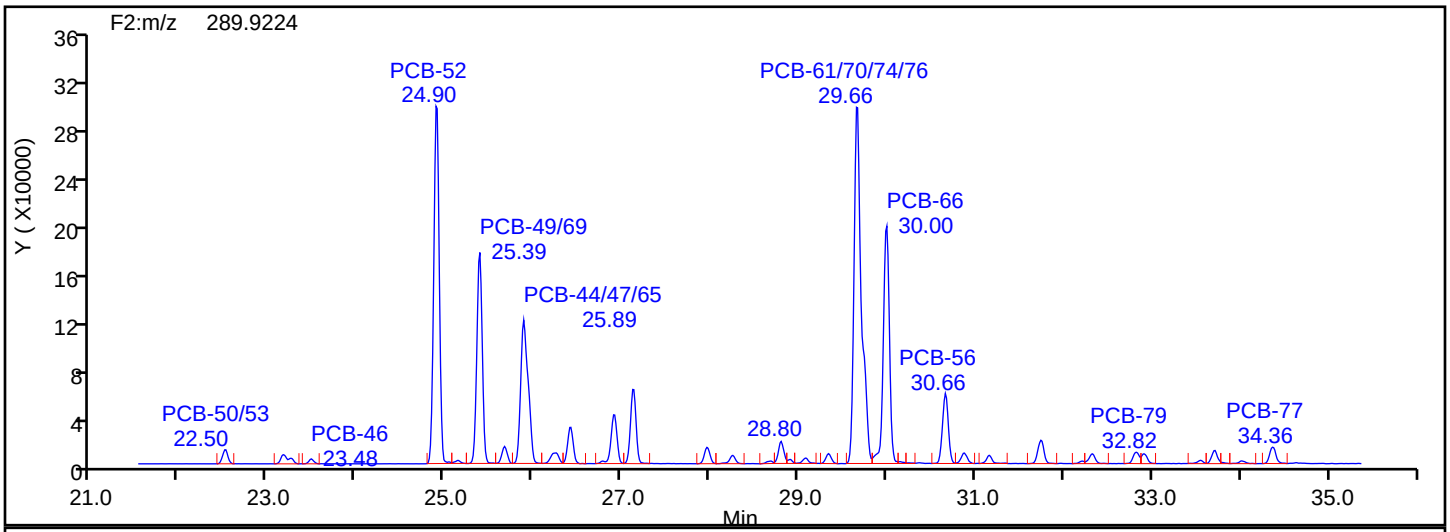

TePCB F2 Standards

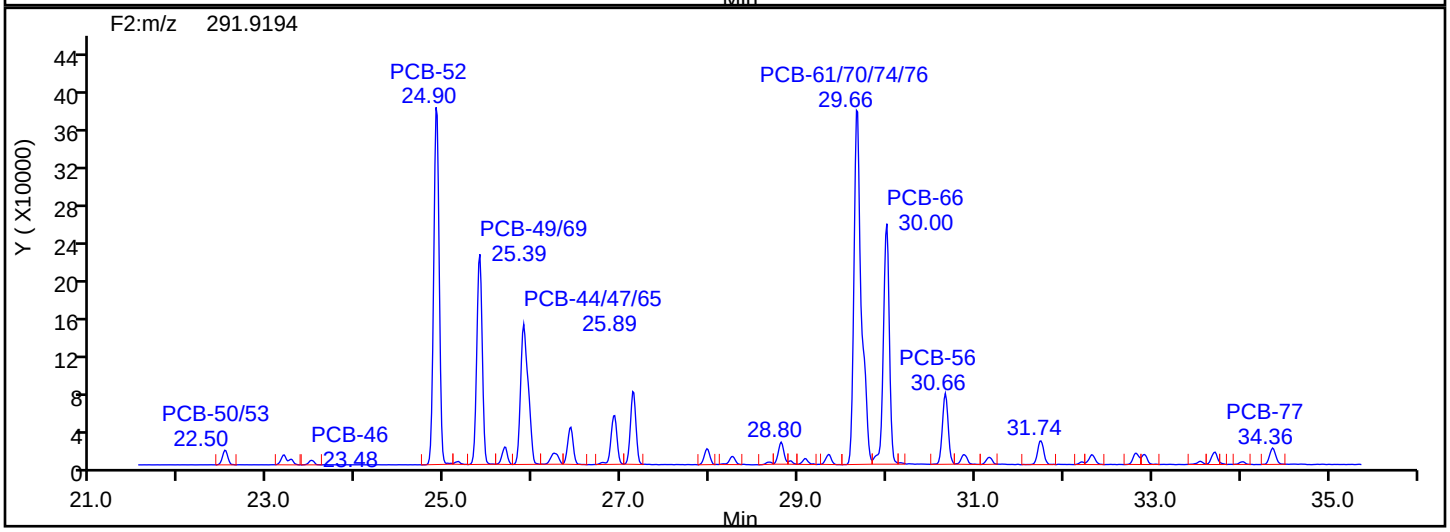


Eurofins TestAmerica, Knoxville

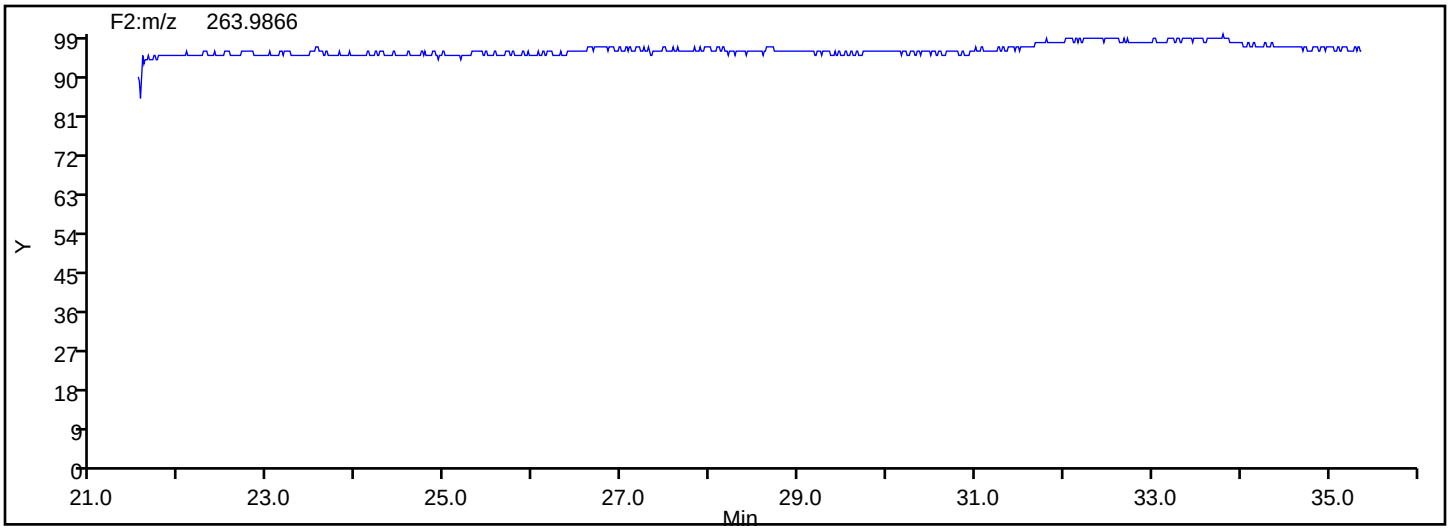
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

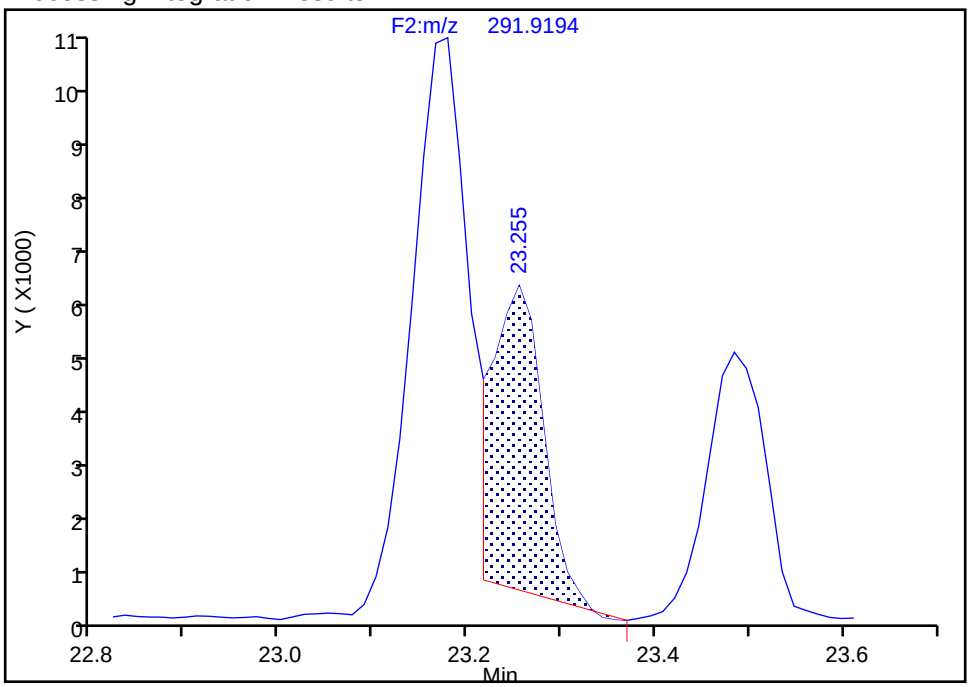
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

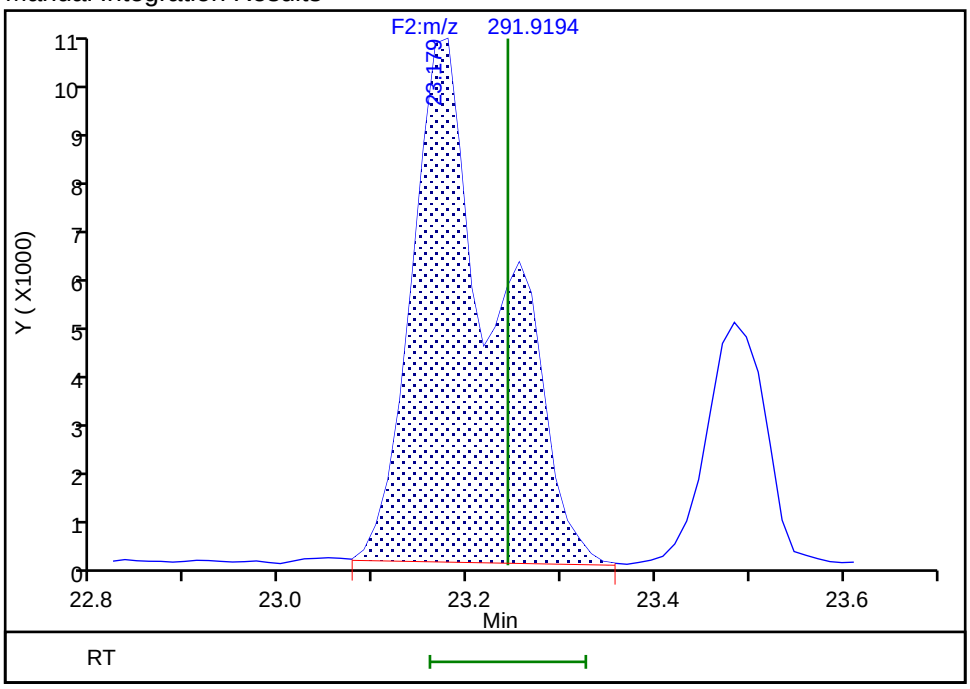
Processing Integration Results

RT: 23.25
Area: 20047
Amount: 1.969671
Amount Units: pg/ul




Manual Integration Results

RT: 23.18
Area: 66003
Amount: 5.996482
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:14:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

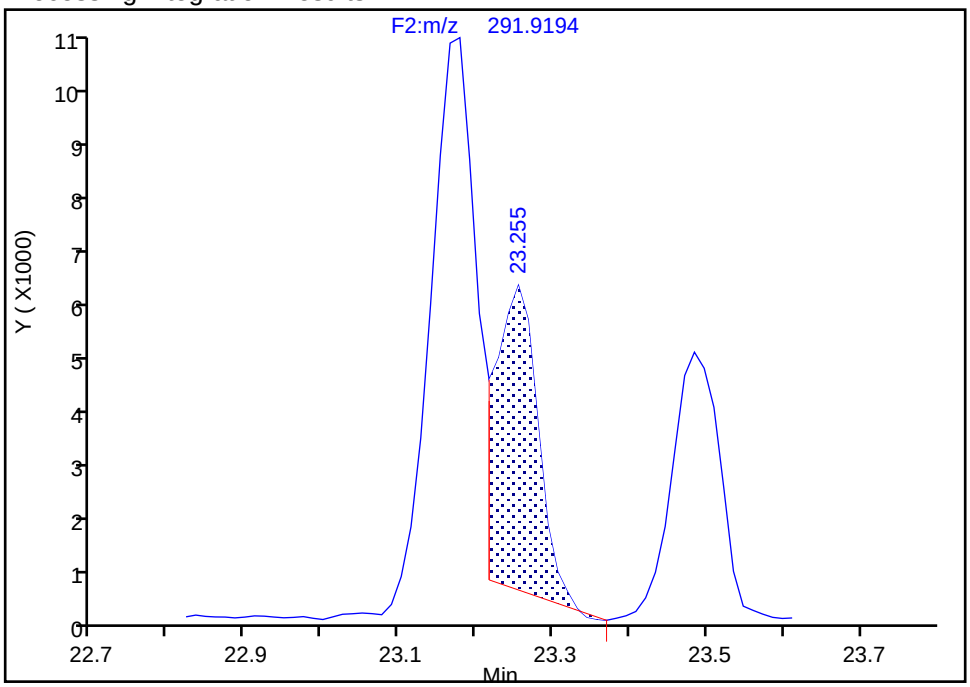
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.25
Area: 39200
Amount: 1.969671
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 118653
Amount: 5.996482
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:14:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

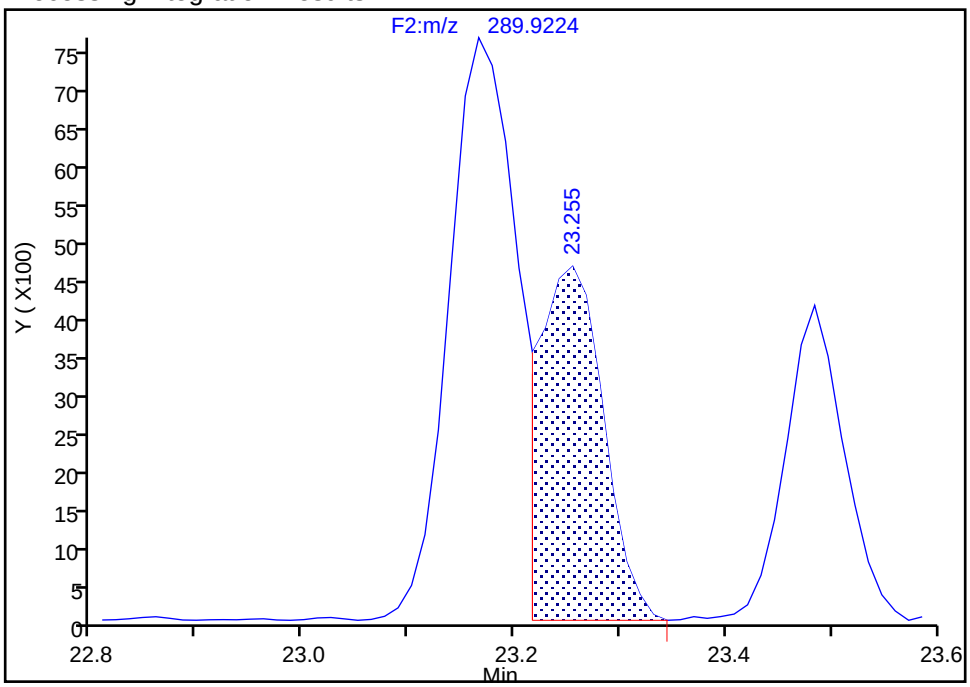
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

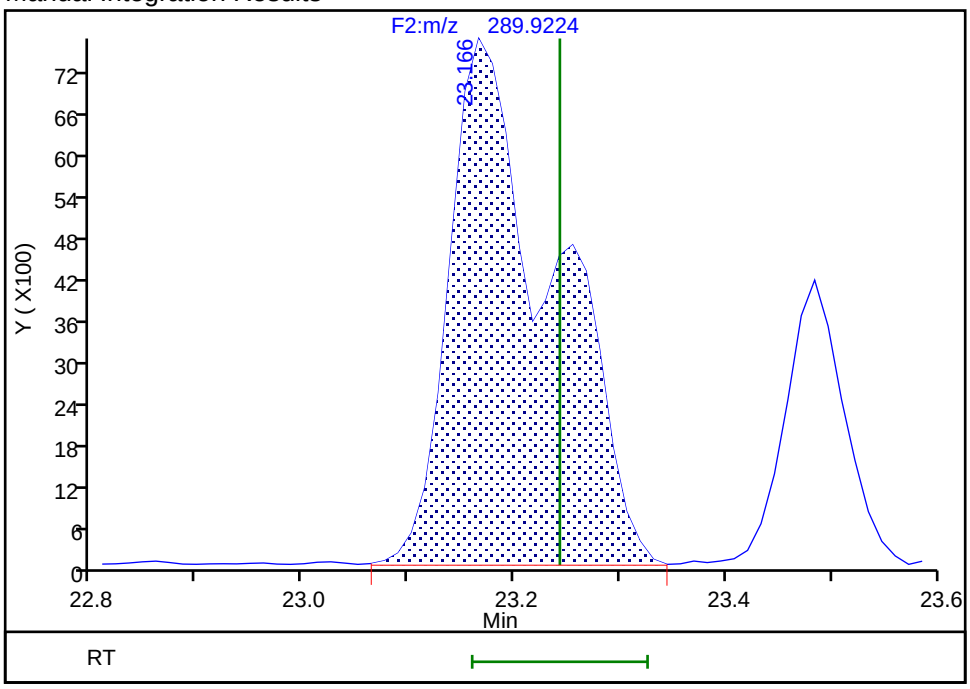
Processing Integration Results

RT: 23.25
Area: 19153
Amount: 1.969671
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 52650
Amount: 5.996482
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:14:11

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

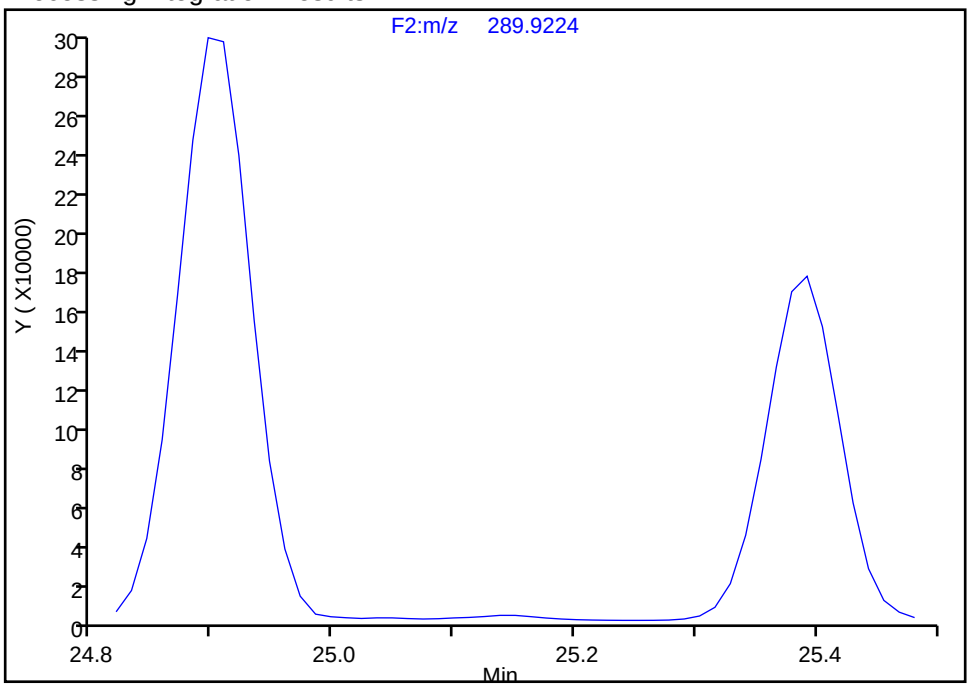
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

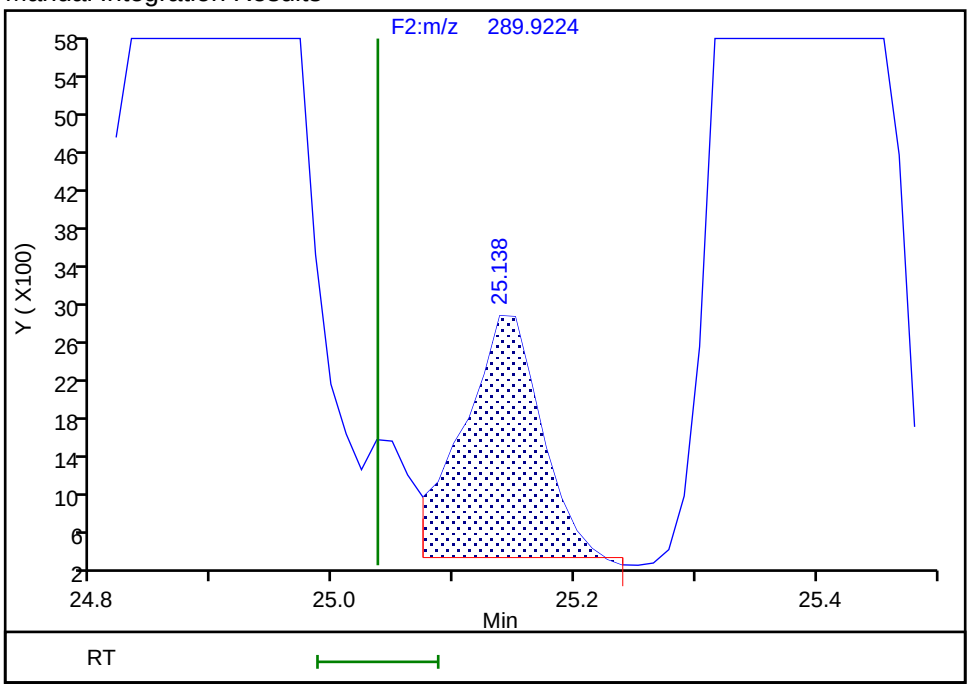
Not Detected
Expected RT: 25.04

Processing Integration Results




Manual Integration Results

RT: 25.14
Area: 11048
Amount: 1.041357
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:14:46
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

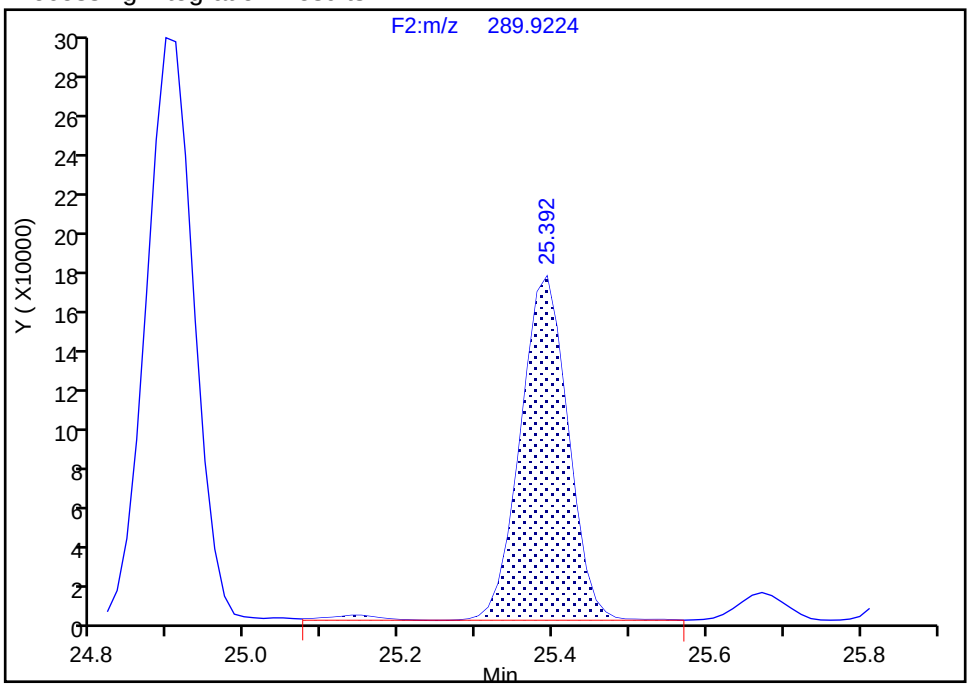
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 1

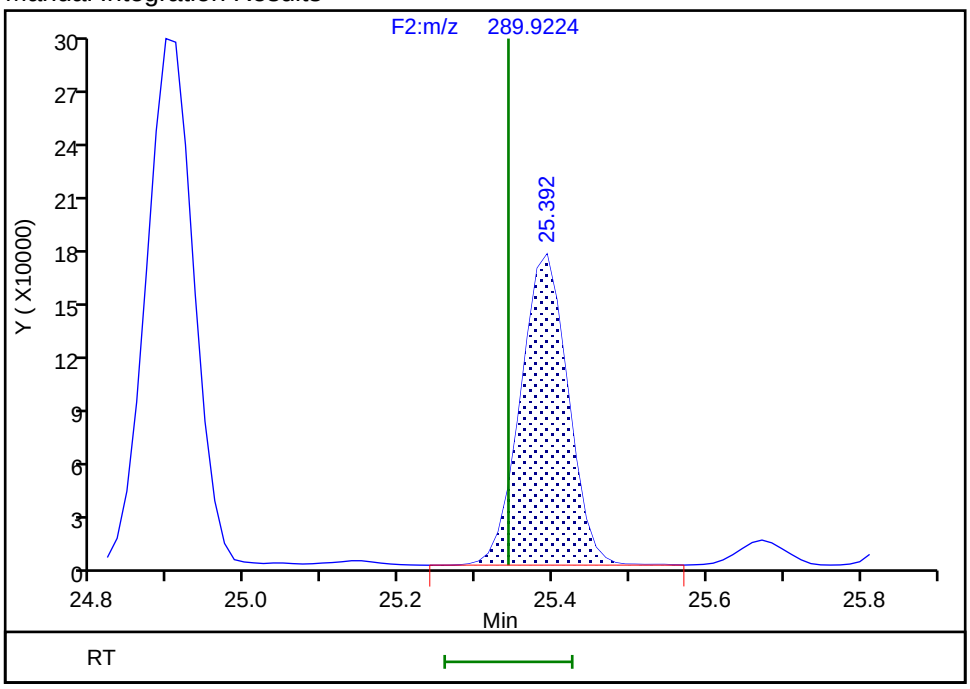
Processing Integration Results

RT: 25.39
Area: 767406
Amount: 67.322241
Amount Units: pg/ul




Manual Integration Results

RT: 25.39
Area: 756358
Amount: 67.277719
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:14:40

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

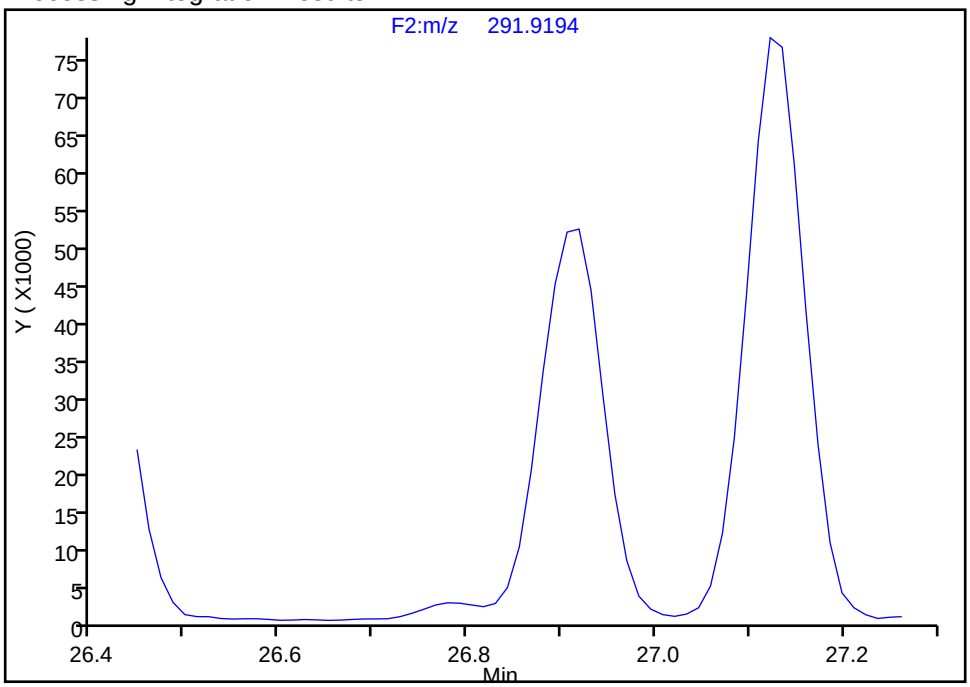
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

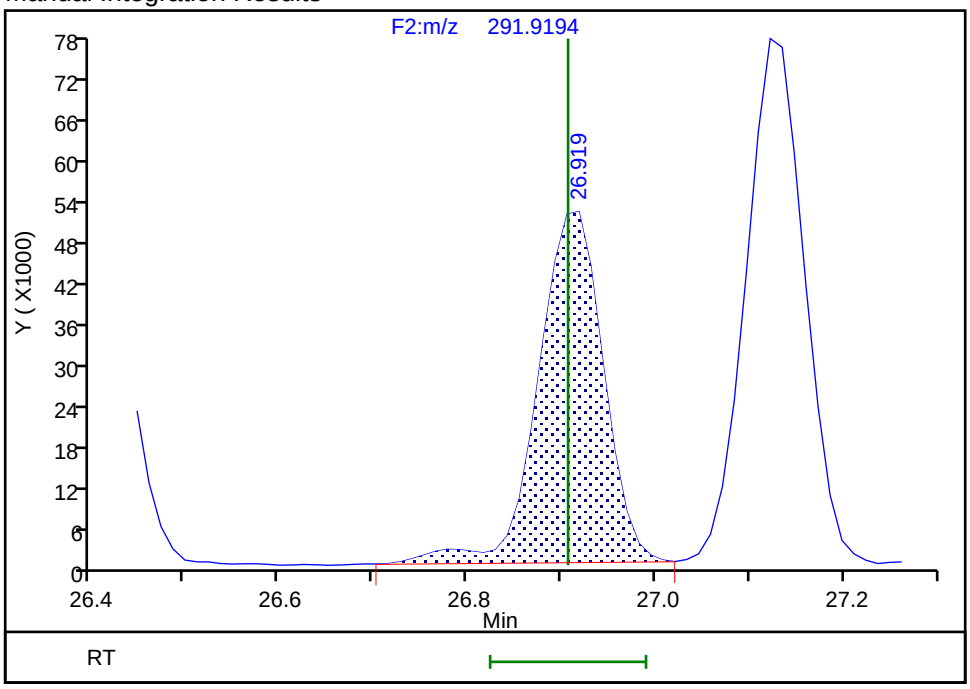
Processing Integration Results

Not Detected
Expected RT: 26.91




Manual Integration Results

RT: 26.92
Area: 249362
Amount: 21.767916
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:15:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

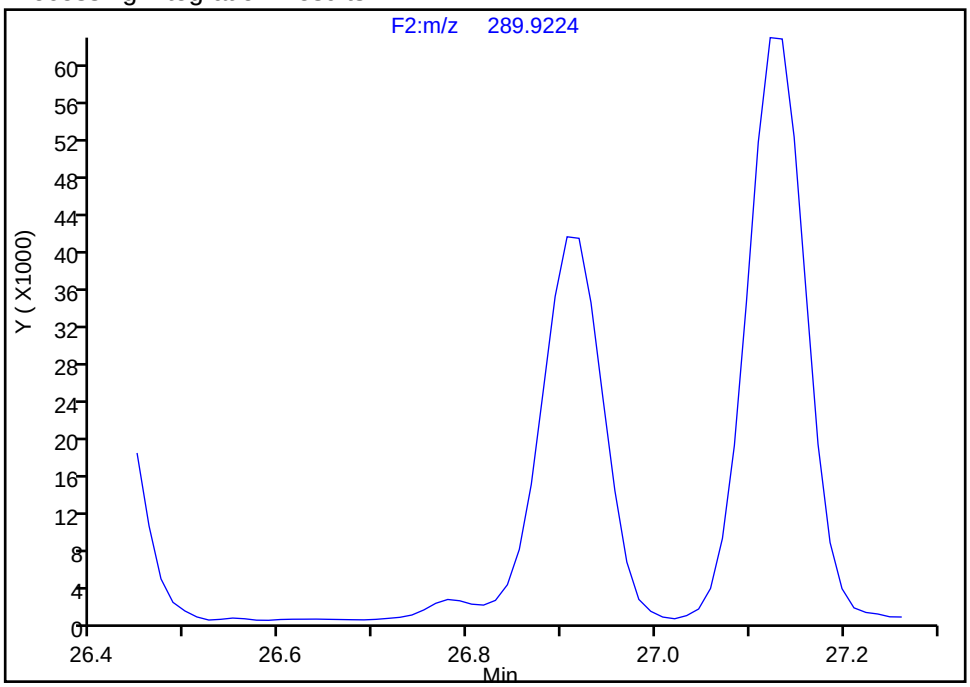
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

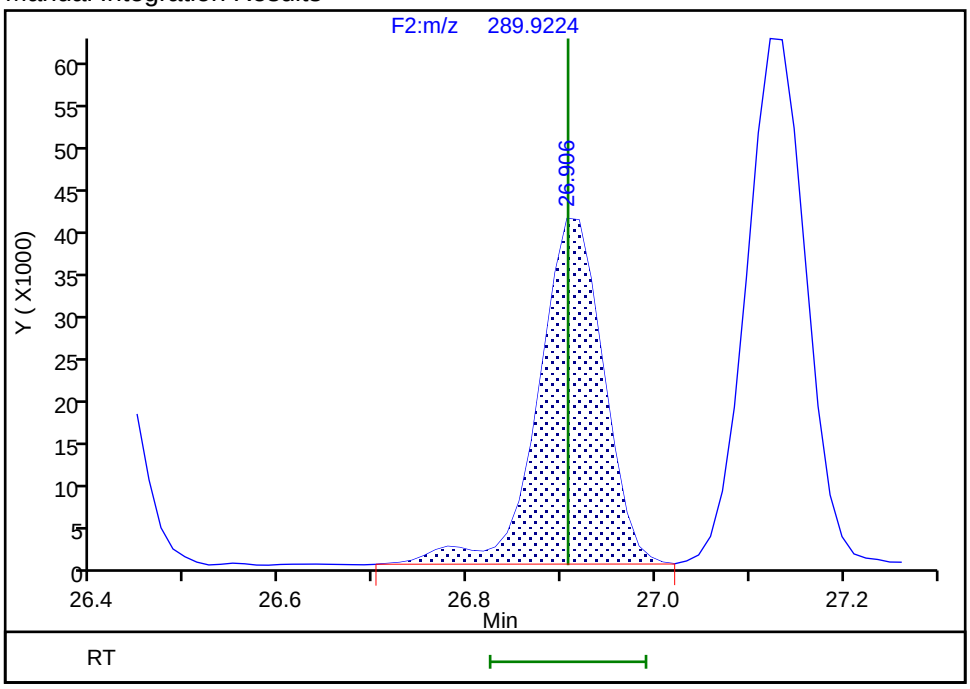
Not Detected
Expected RT: 26.91

Processing Integration Results




Manual Integration Results

RT: 26.91
Area: 197359
Amount: 21.767916
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:15:35
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

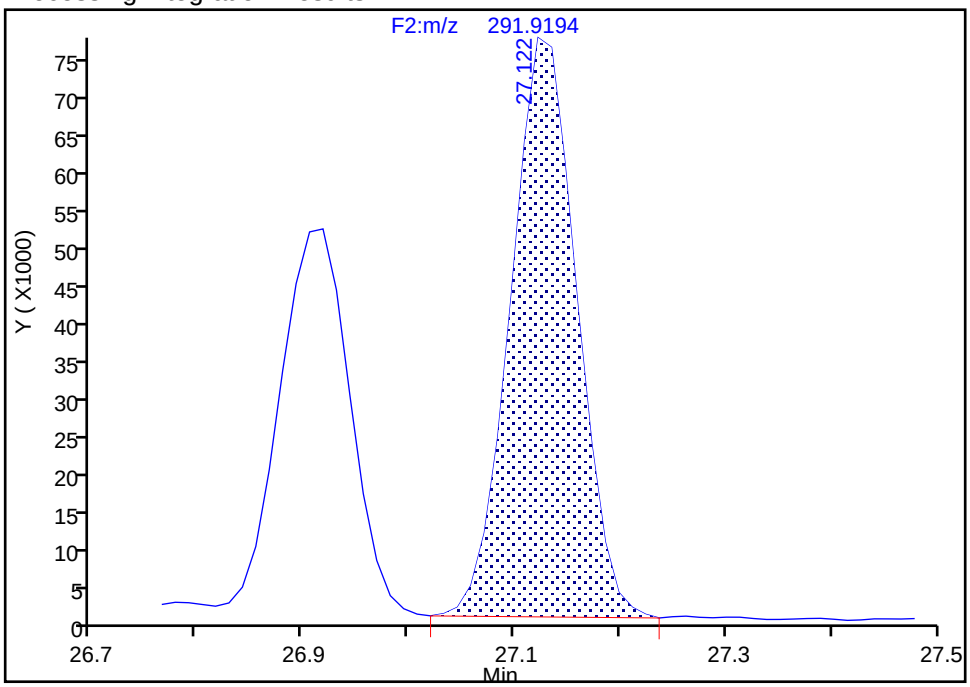
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 2

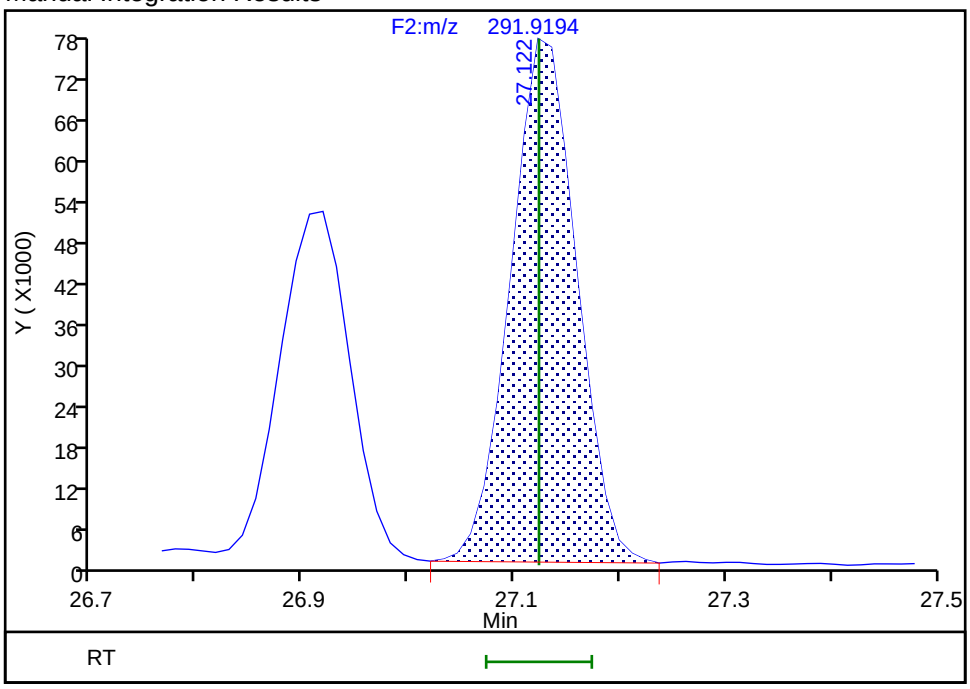
Processing Integration Results

RT: 27.12
Area: 333822
Amount: 24.973257
Amount Units: pg/ul




Manual Integration Results

RT: 27.12
Area: 333822
Amount: 19.279063
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:15:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

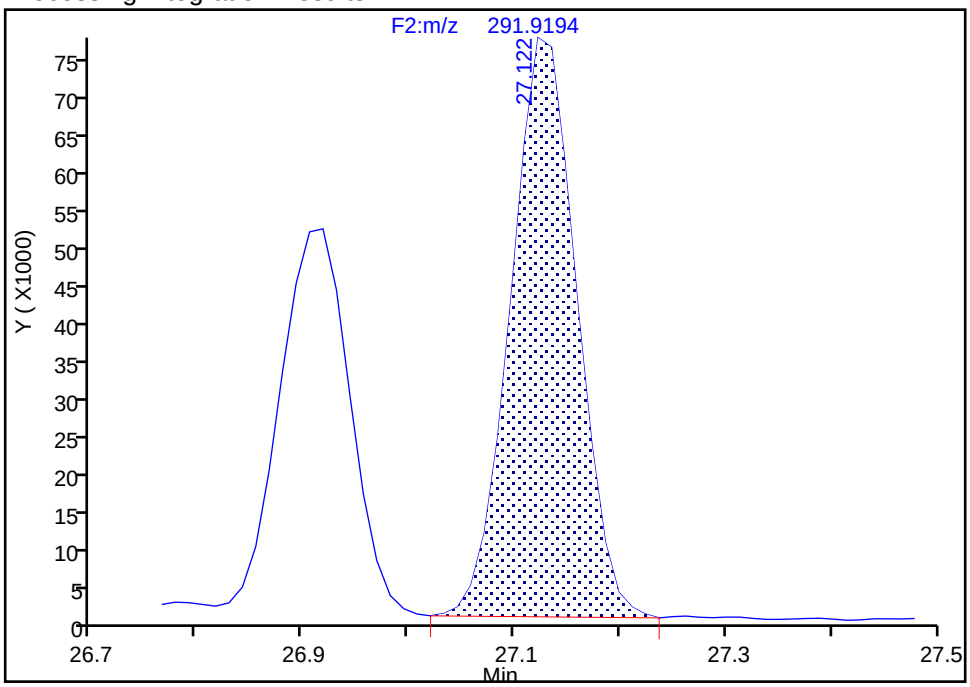
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 3

Processing Integration Results

RT: 27.12
Area: 795407
Amount: 24.973257
Amount Units: pg/ul




Manual Integration Results

RT: 27.12
Area: 610506
Amount: 19.279063
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:15:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

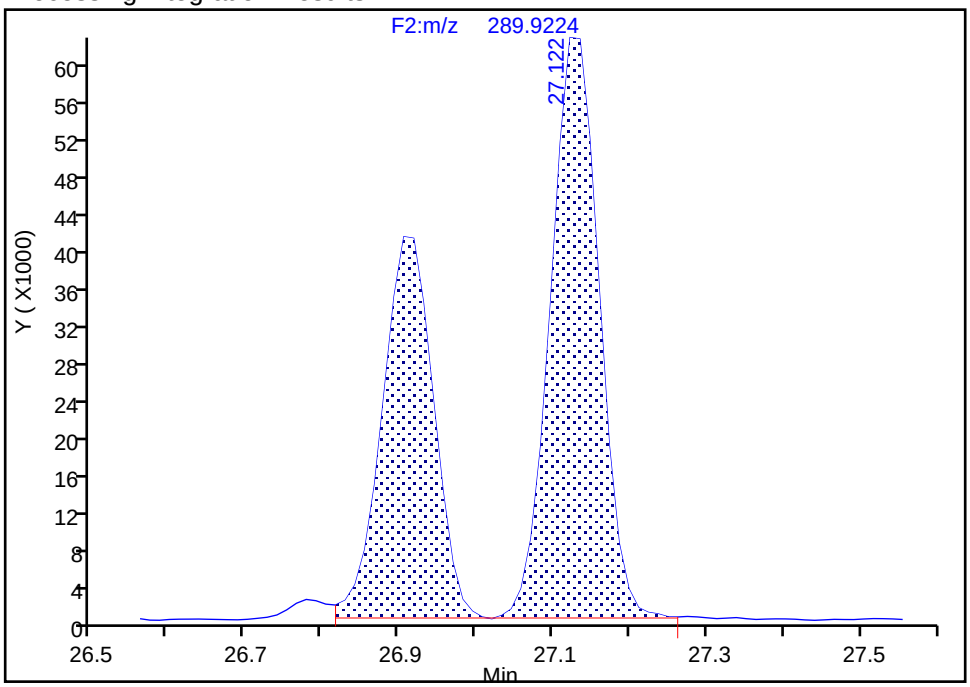
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

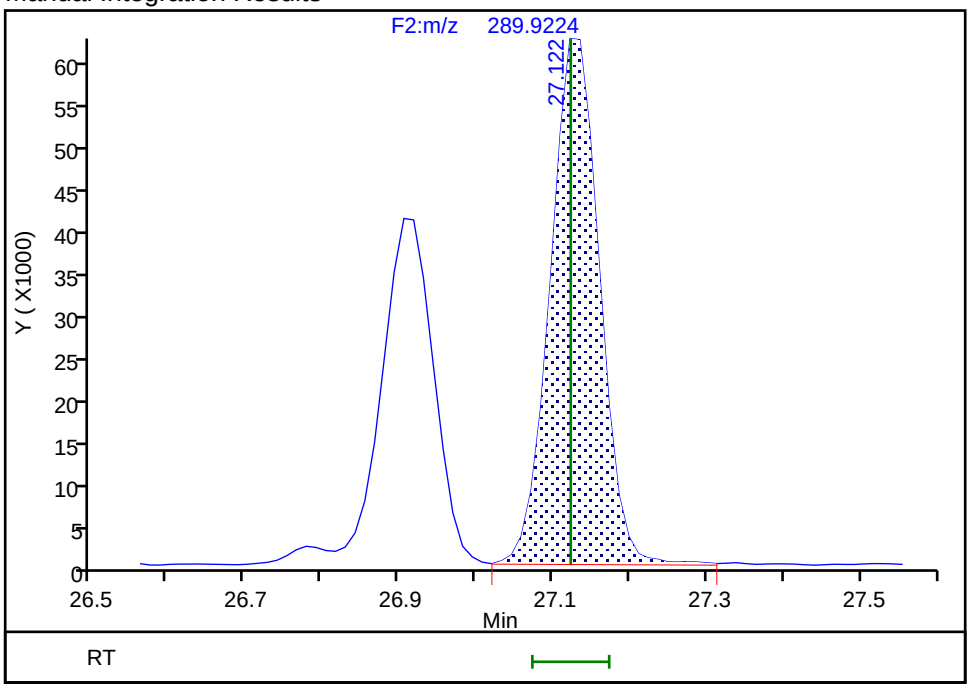
Processing Integration Results

RT: 27.12
Area: 461585
Amount: 24.973257
Amount Units: pg/ul




Manual Integration Results

RT: 27.12
Area: 276684
Amount: 19.279063
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:15:32

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

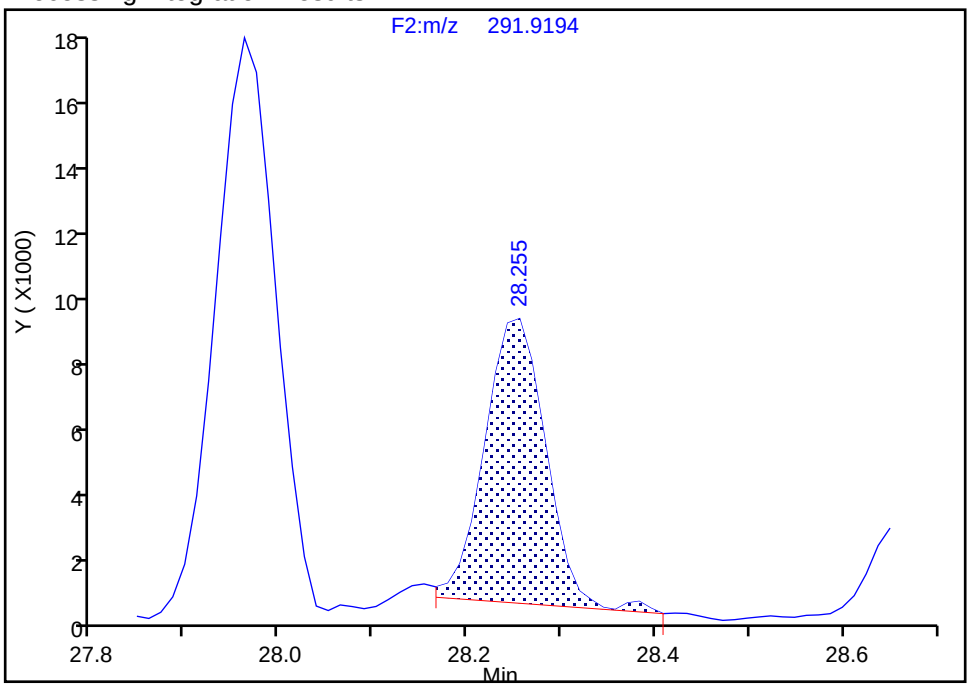
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 2

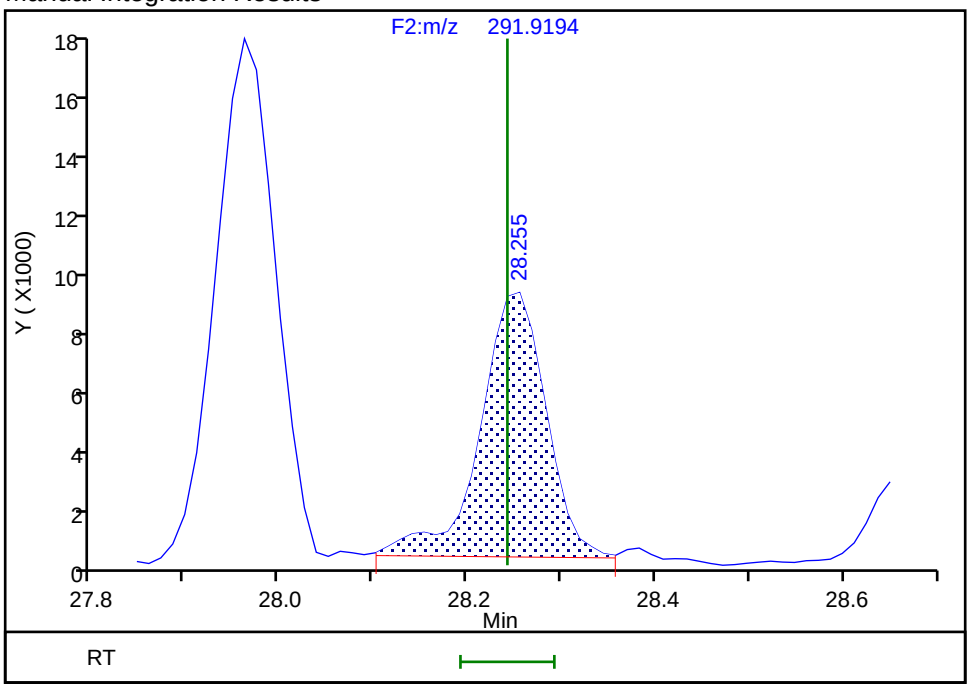
Processing Integration Results

RT: 28.26
Area: 37629
Amount: 2.116635
Amount Units: pg/ul




Manual Integration Results

RT: 28.26
Area: 41701
Amount: 2.252112
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:15:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

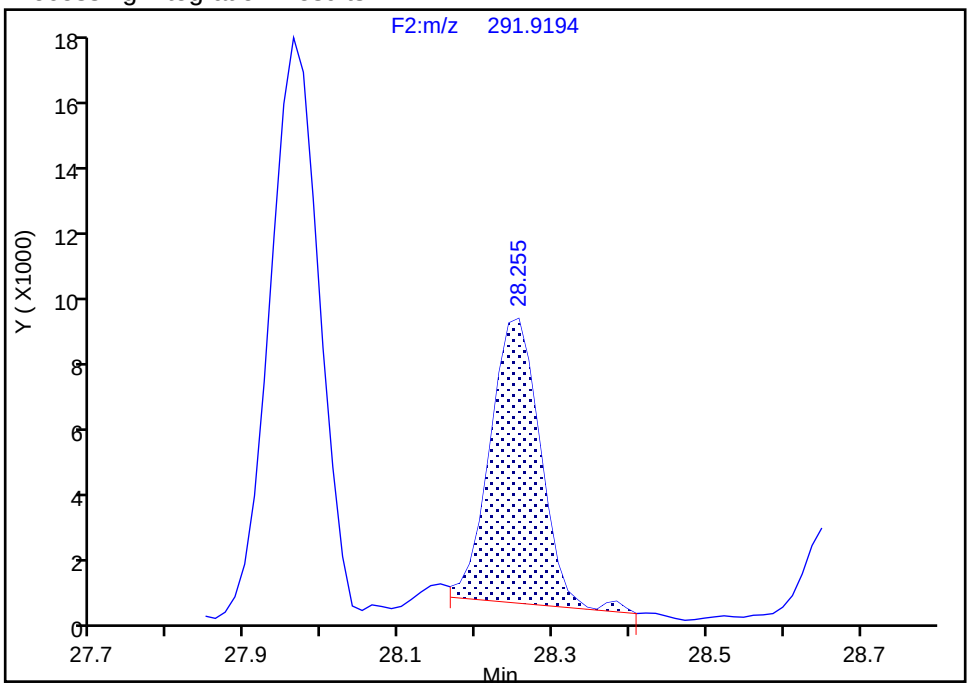
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 3

Processing Integration Results

RT: 28.26
Area: 70360
Amount: 2.116635
Amount Units: pg/ul




Manual Integration Results

RT: 28.26
Area: 74432
Amount: 2.252112
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:15:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

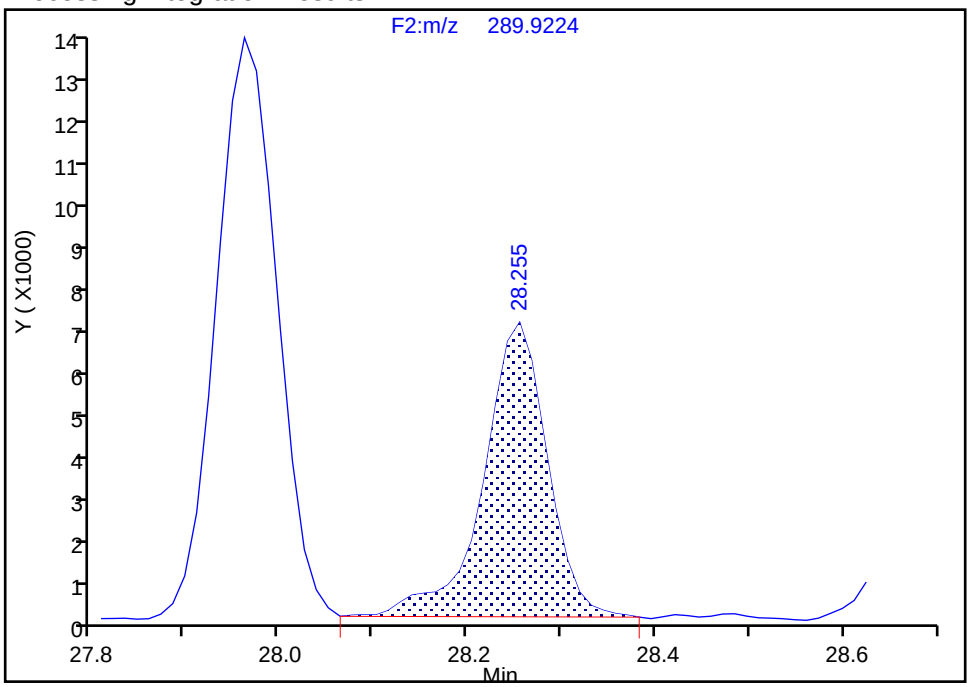
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 1

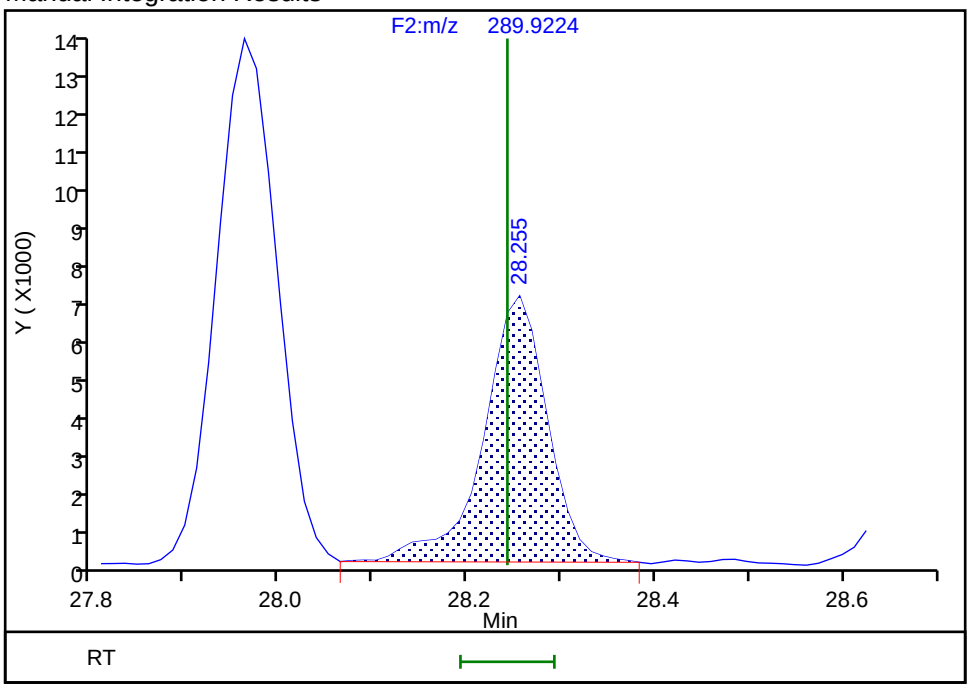
Processing Integration Results

RT: 28.26
Area: 32731
Amount: 2.116635
Amount Units: pg/ul




Manual Integration Results

RT: 28.26
Area: 32731
Amount: 2.252112
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:15:50
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

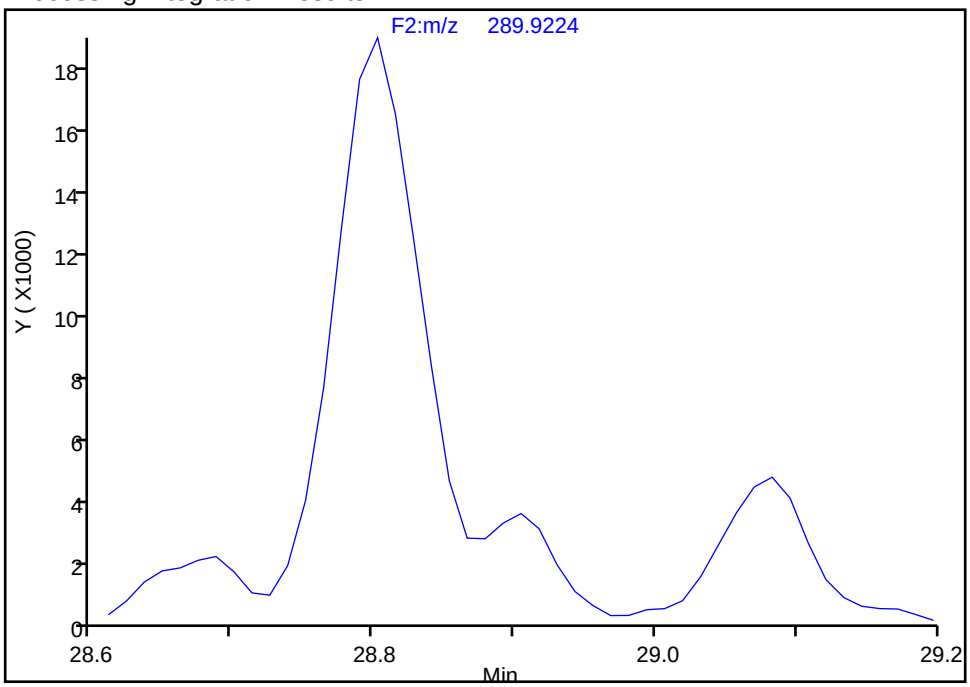
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

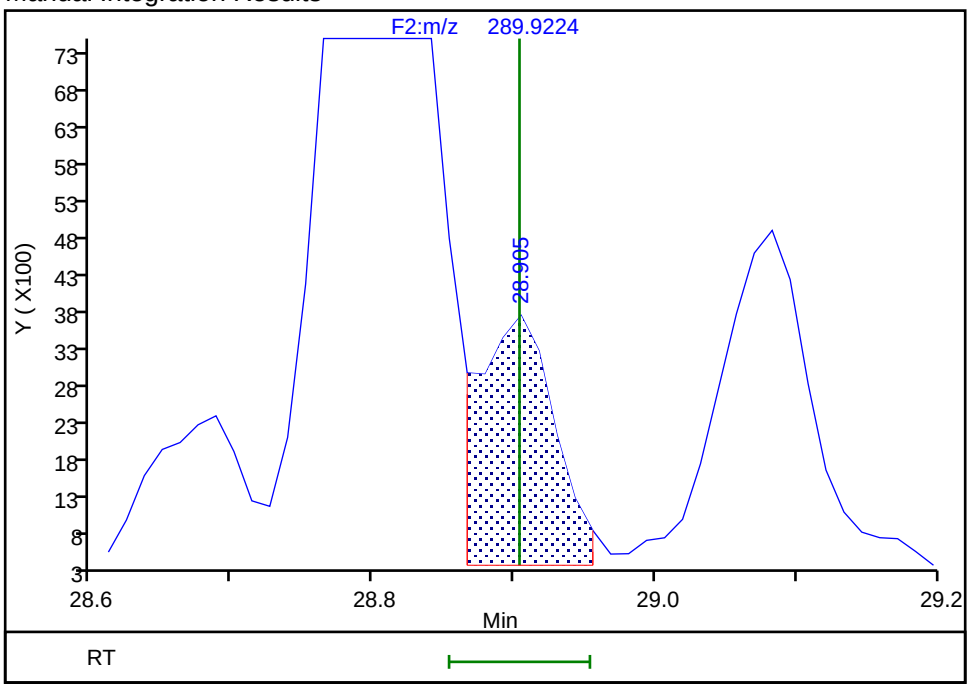
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.90
Area: 12335
Amount: 0.827350
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:16:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

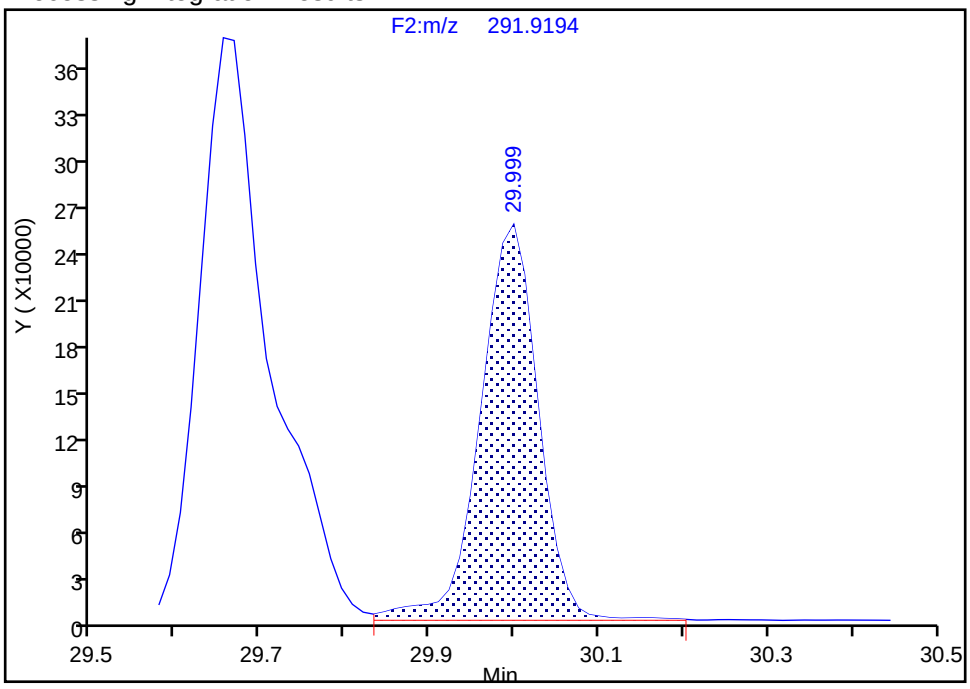
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

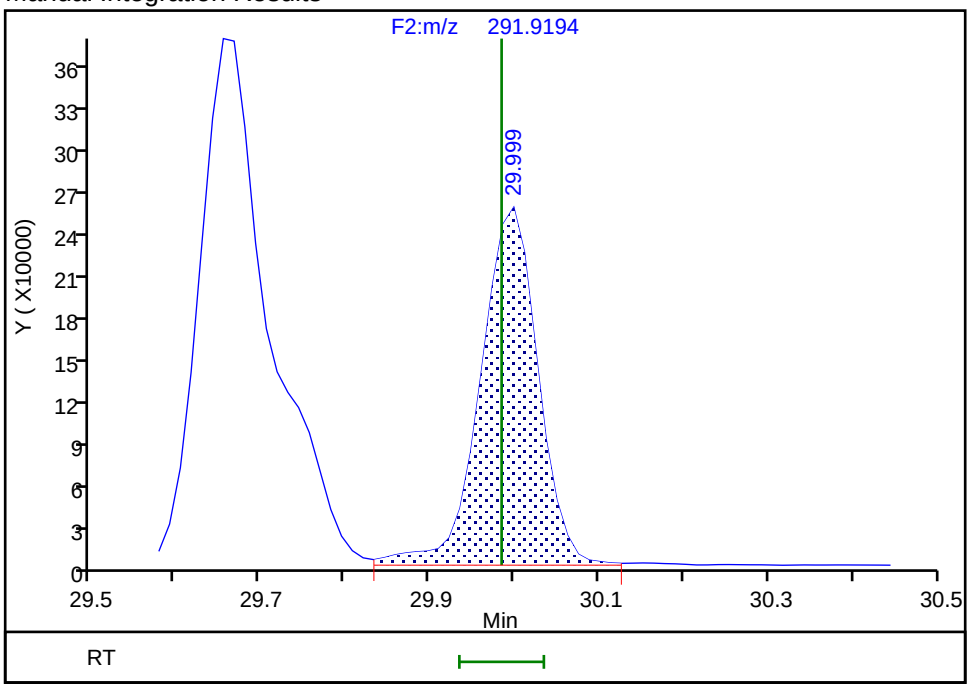
Processing Integration Results

RT: 30.00
Area: 1211057
Amount: 76.029569
Amount Units: pg/ul




Manual Integration Results

RT: 30.00
Area: 1205394
Amount: 75.973073
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:16:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

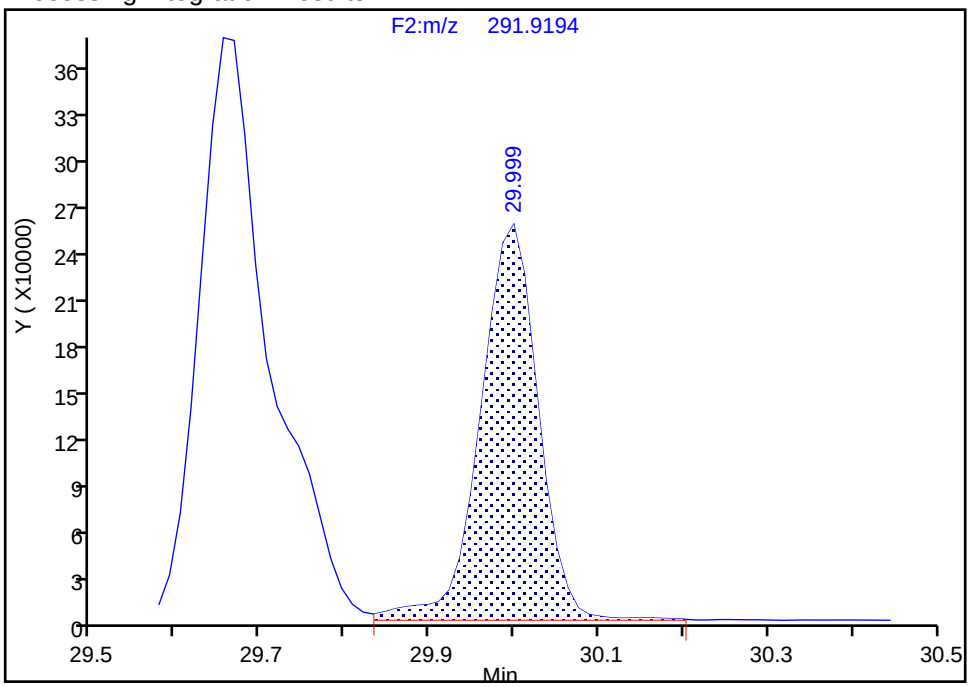
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 30.00
Area: 2188382
Amount: 76.029569
Amount Units: pg/ul




Manual Integration Results

RT: 30.00
Area: 2174153
Amount: 75.973073
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:16:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

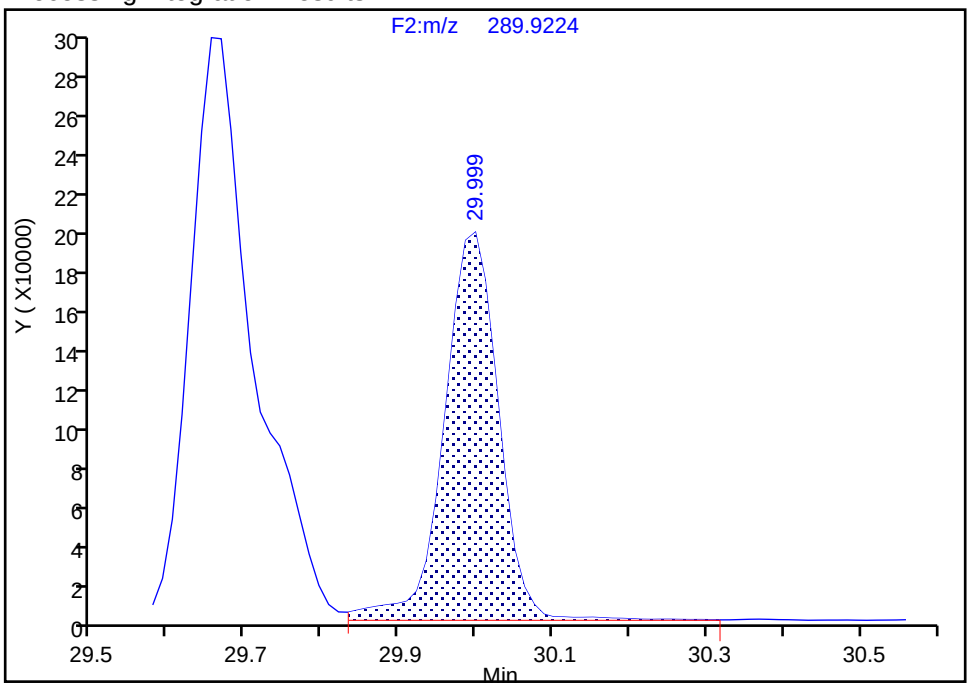
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

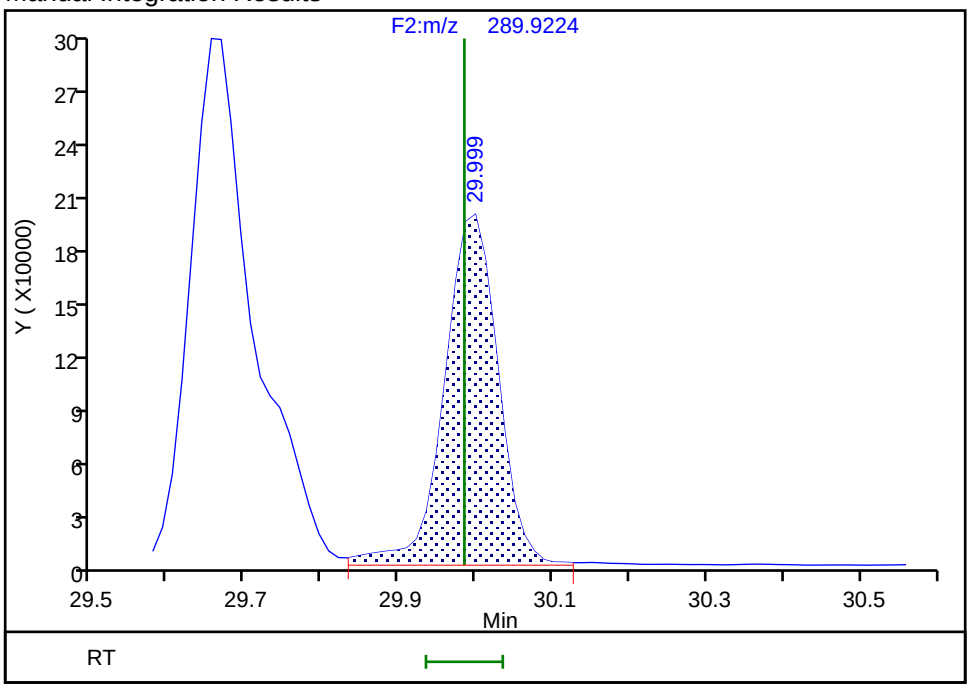
Processing Integration Results

RT: 30.00
Area: 977325
Amount: 76.029569
Amount Units: pg/ul




Manual Integration Results

RT: 30.00
Area: 968759
Amount: 75.973073
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:16:39

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

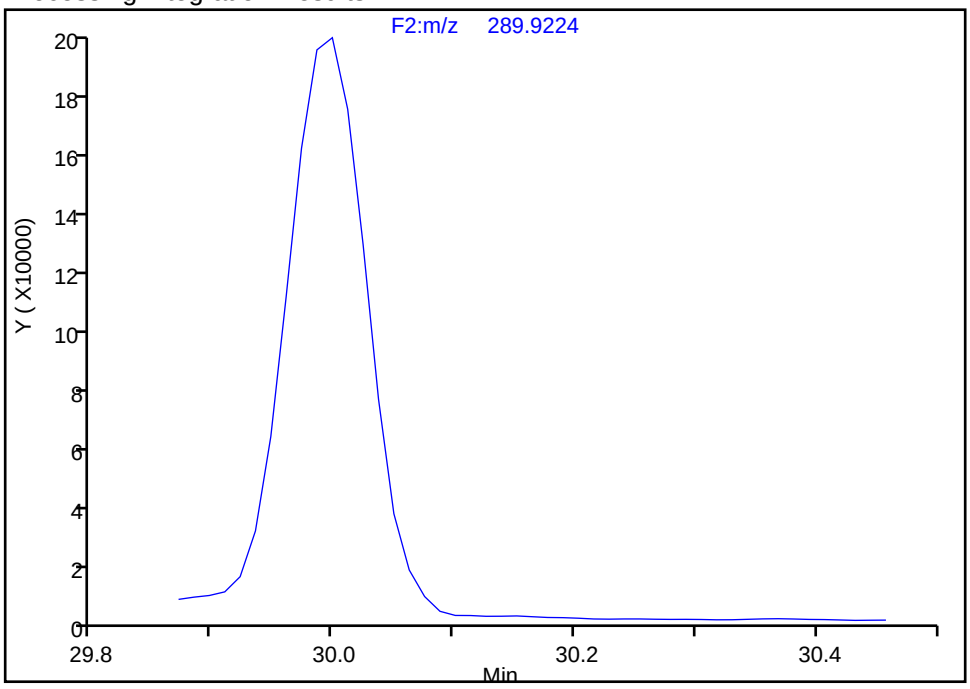
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

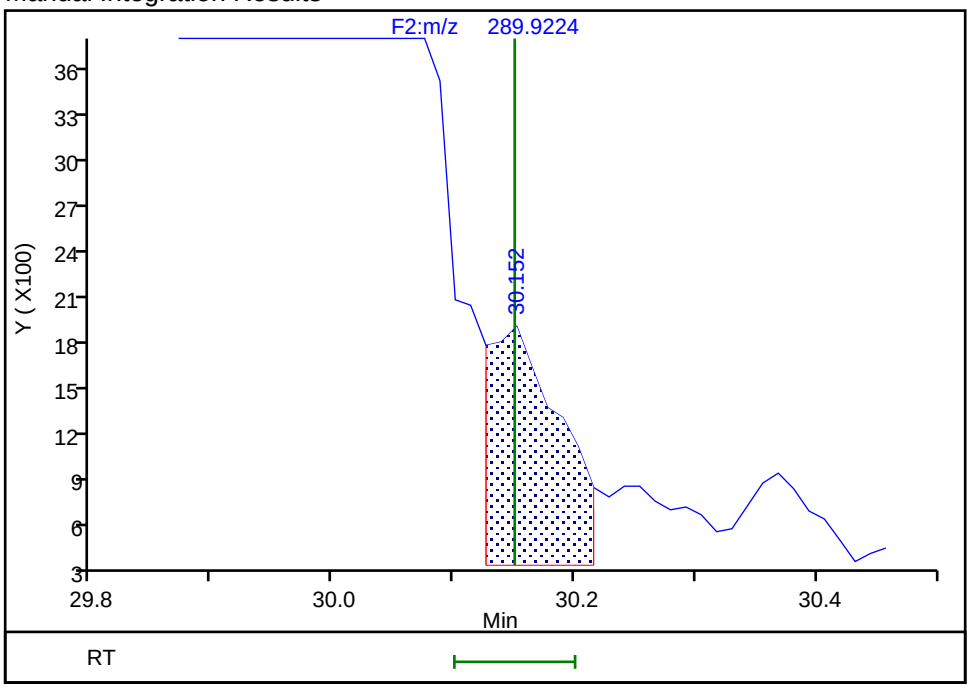
Not Detected
Expected RT: 30.15

Processing Integration Results




Manual Integration Results

RT: 30.15
Area: 6064
Amount: 0.404993
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:16:50
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

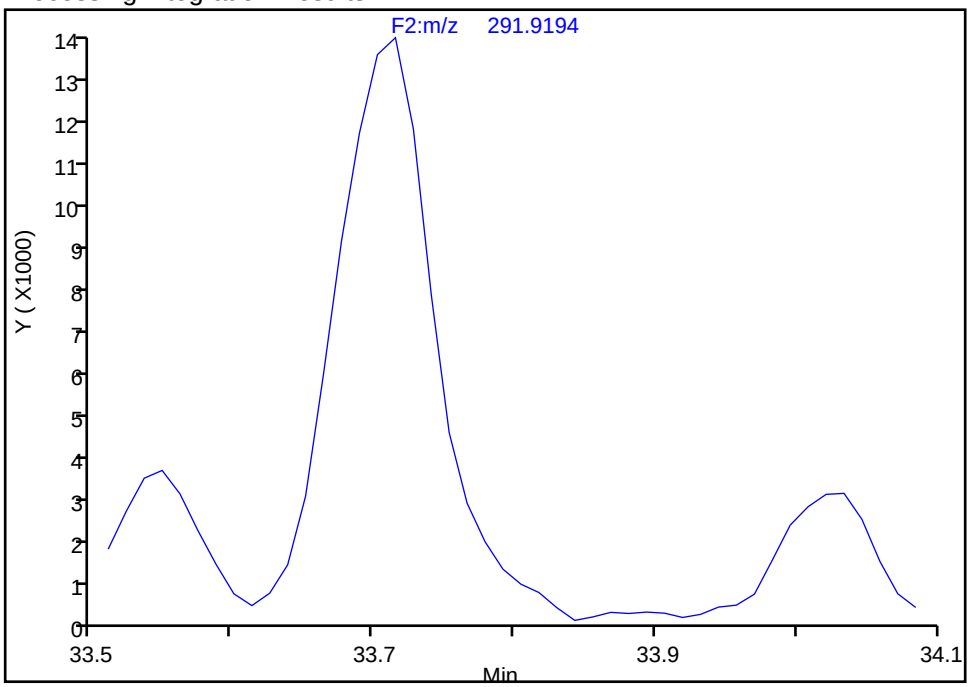
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

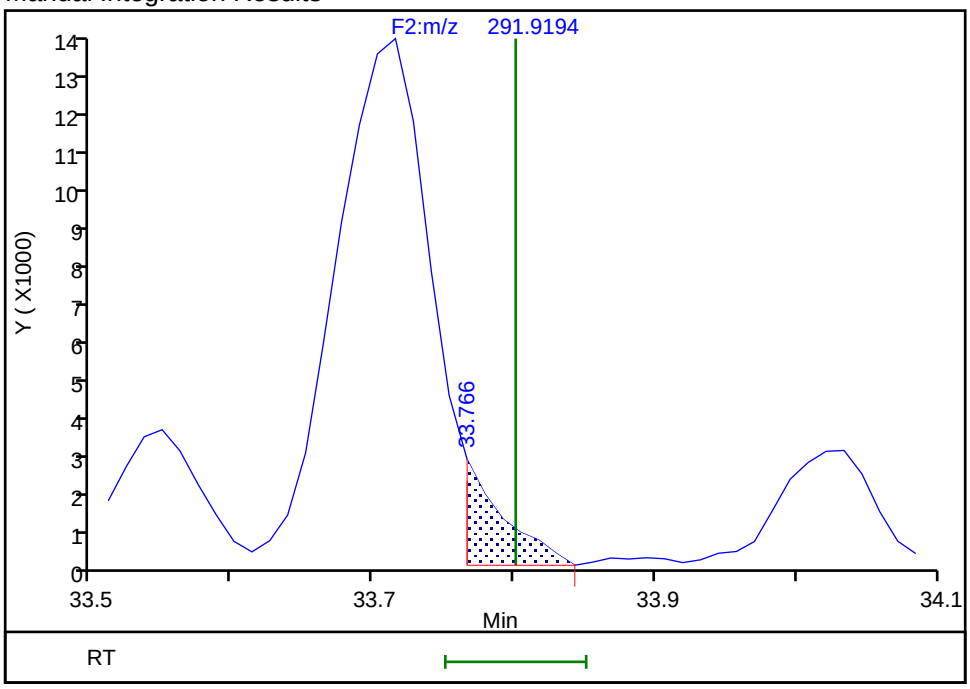
Not Detected
Expected RT: 33.80

Processing Integration Results




Manual Integration Results

RT: 33.77
Area: 4522
Amount: 0.279964
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:17:04
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

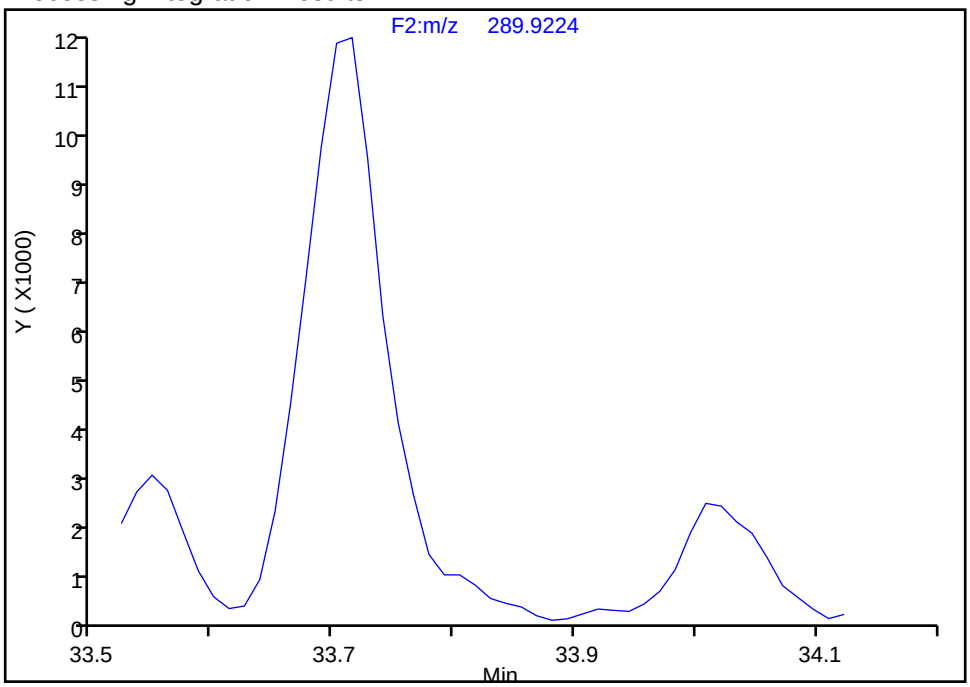
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

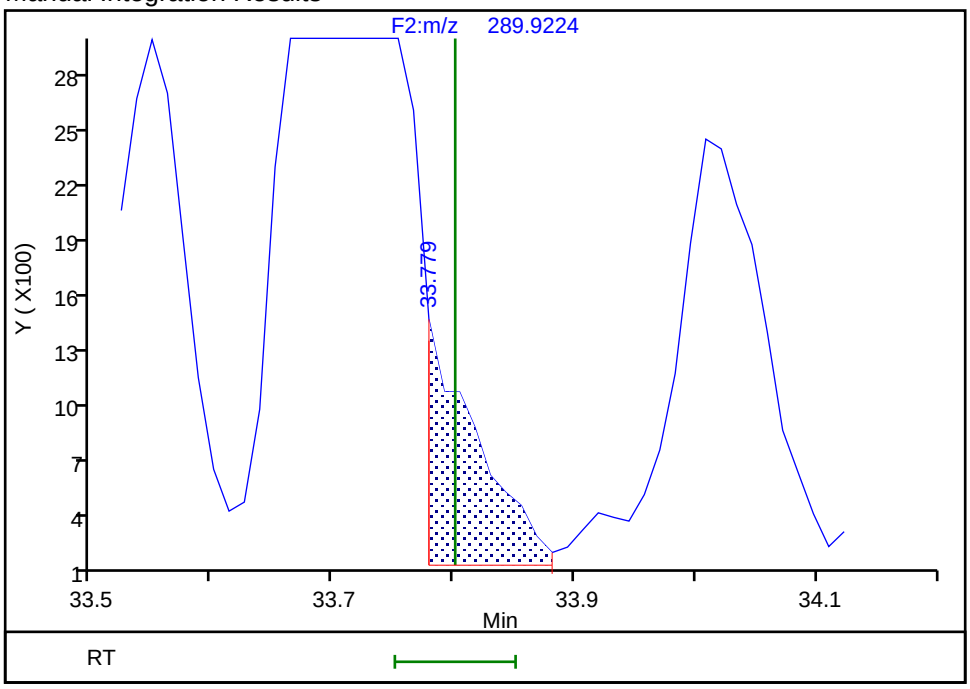
Not Detected
Expected RT: 33.80

Processing Integration Results




Manual Integration Results

RT: 33.78
Area: 3510
Amount: 0.279964
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:17:08
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

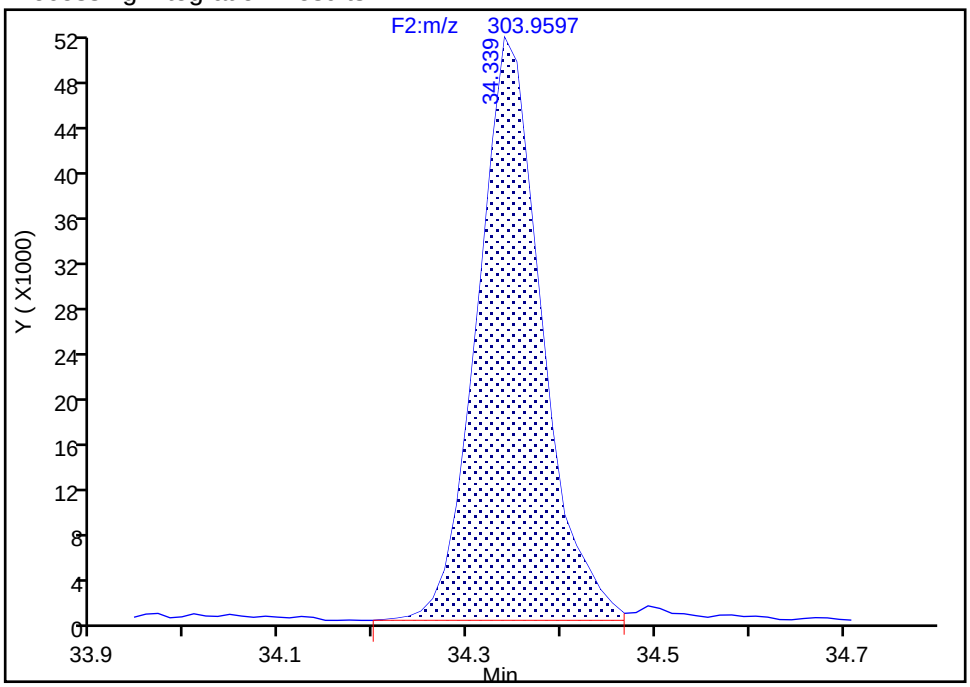
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-77L, CAS: 105600-23-5

Signal: 2

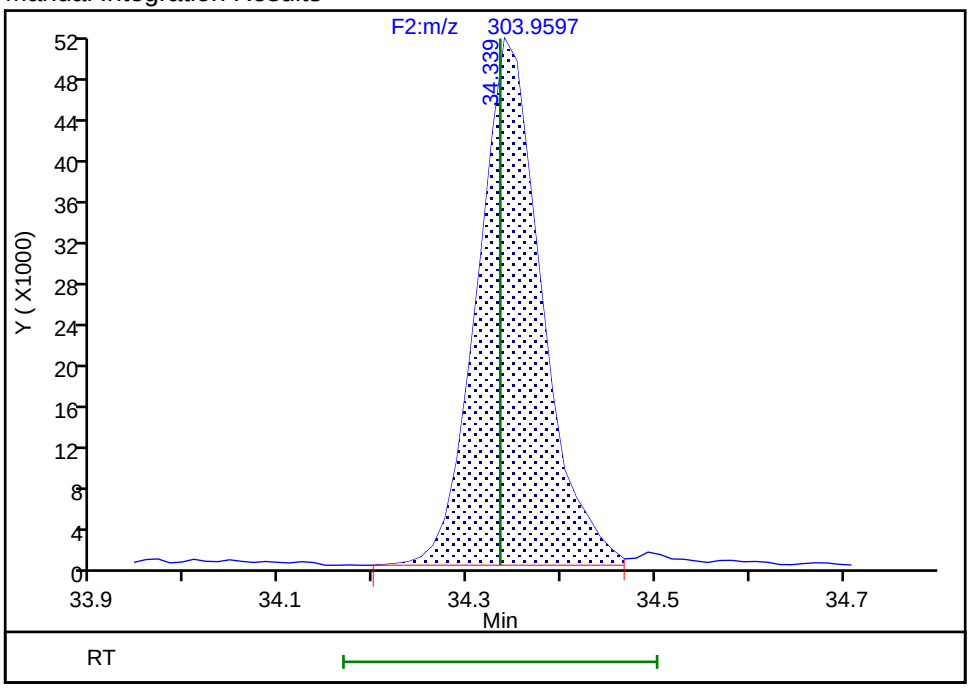
Processing Integration Results

RT: 34.34
Area: 243503
Amount: 18.694393
Amount Units: pg/ul




Manual Integration Results

RT: 34.34
Area: 243503
Amount: 18.486062
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 01:31:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

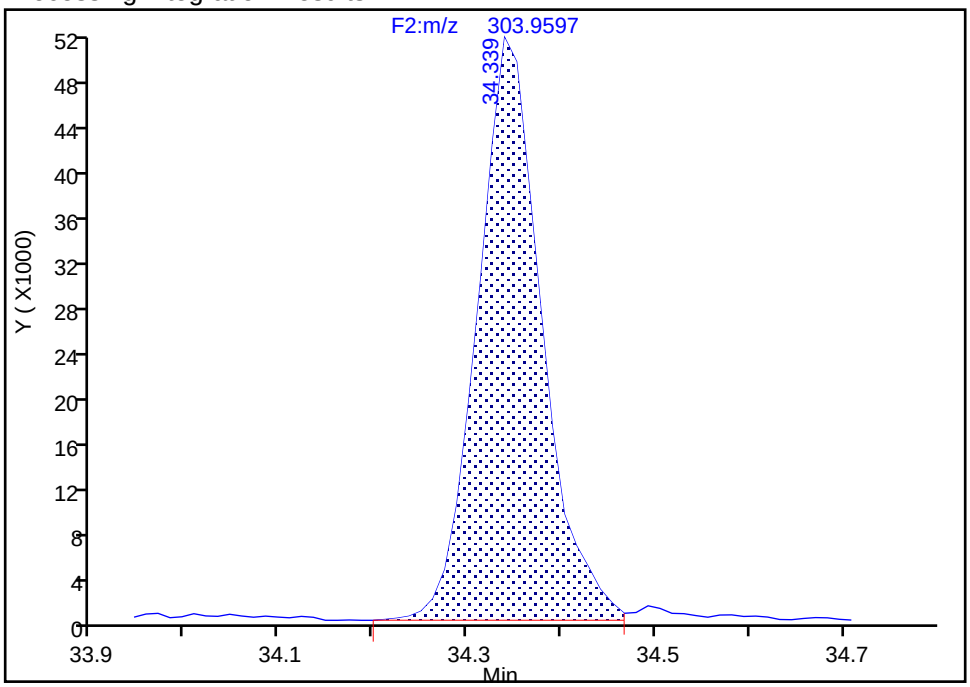
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-77L, CAS: 105600-23-5

Signal: 3

Processing Integration Results

RT: 34.35
Area: 465270
Amount: 18.694393
Amount Units: pg/ul




Manual Integration Results

RT: 34.35
Area: 460085
Amount: 18.486062
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 01:31:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

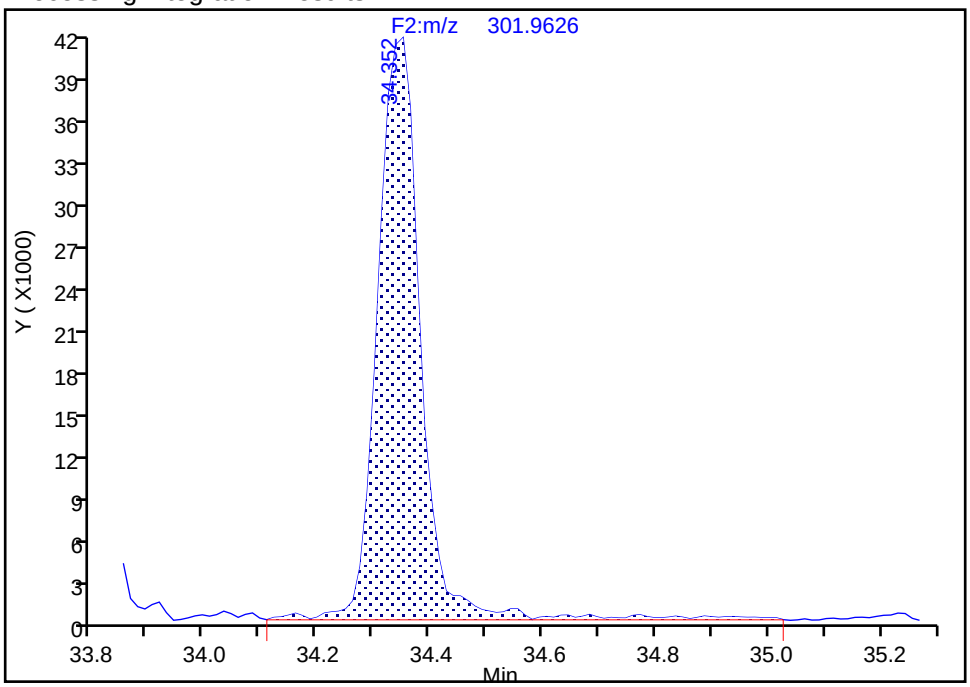
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-77L, CAS: 105600-23-5

Signal: 1

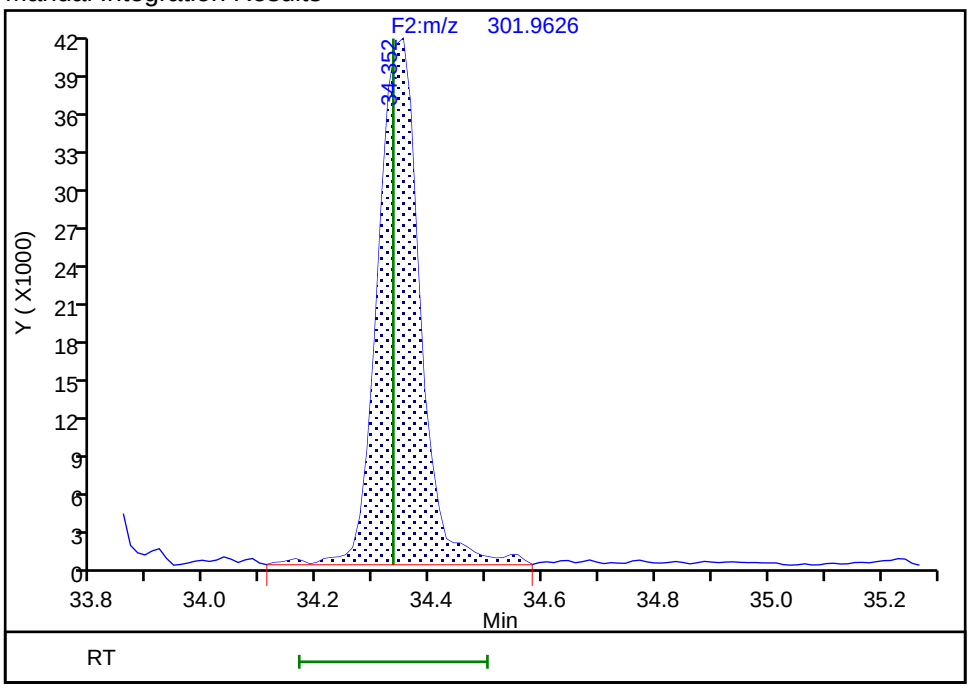
Processing Integration Results

RT: 34.35
Area: 221767
Amount: 18.694393
Amount Units: pg/ul




Manual Integration Results

RT: 34.35
Area: 216582
Amount: 18.486062
Amount Units: pg/ul



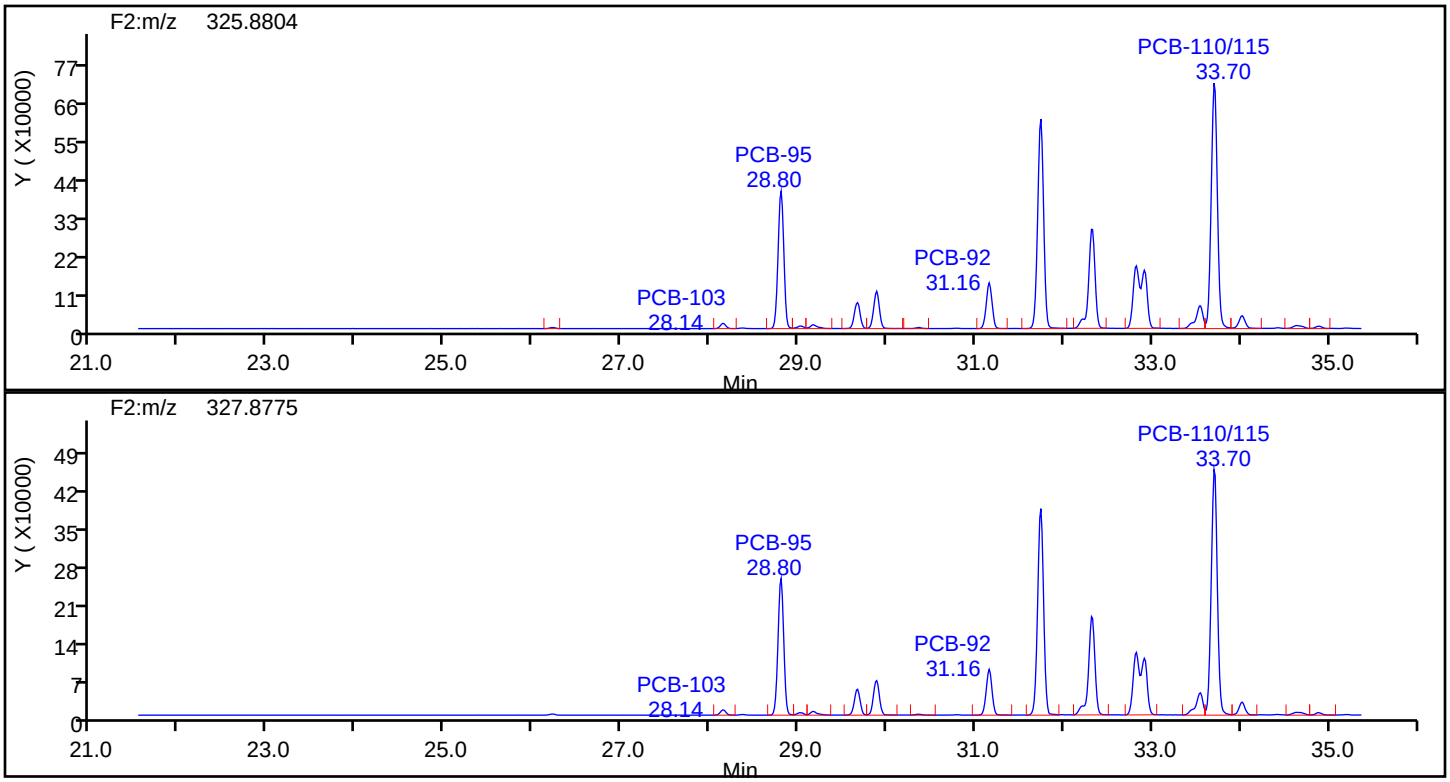

Reviewer: mcwhirterl, 04-Oct-2019 01:31:51

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

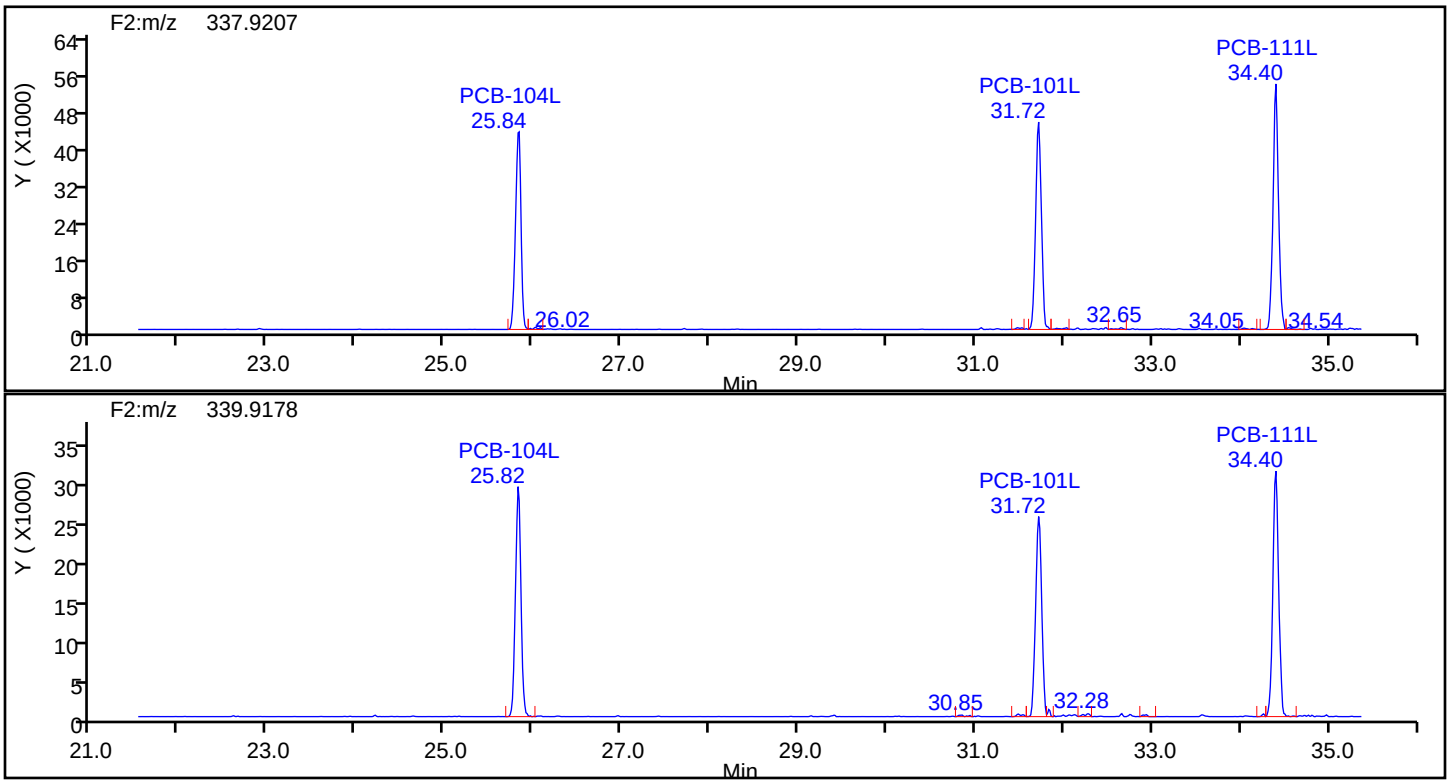
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



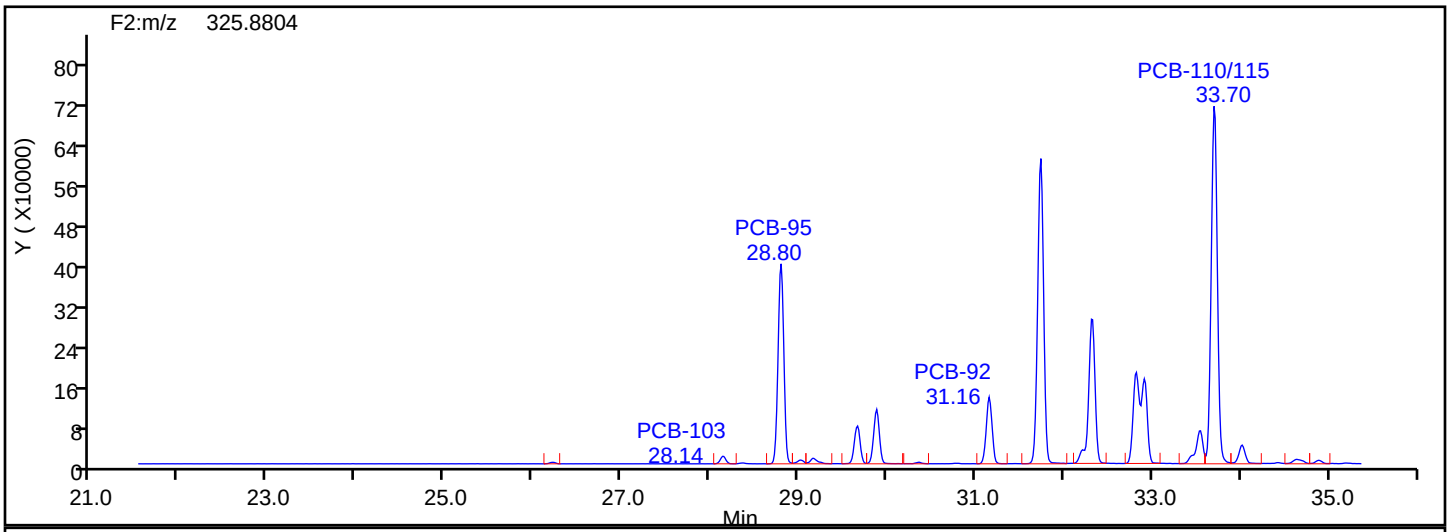

PePCB F2 Standards

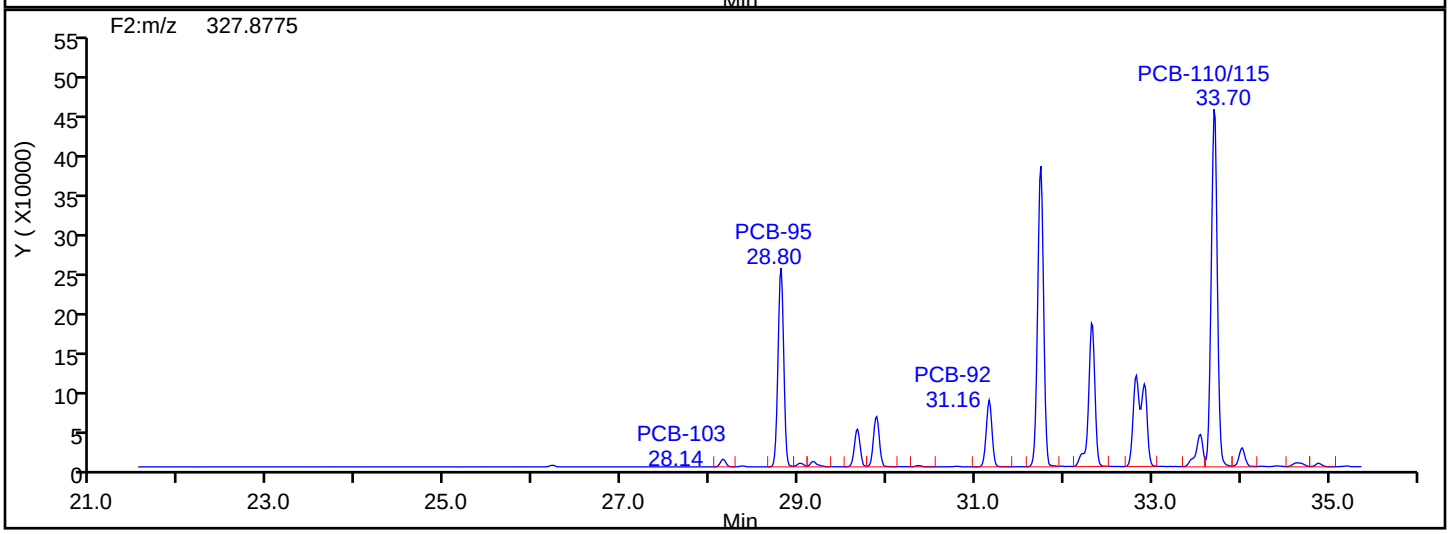


Eurofins TestAmerica, Knoxville

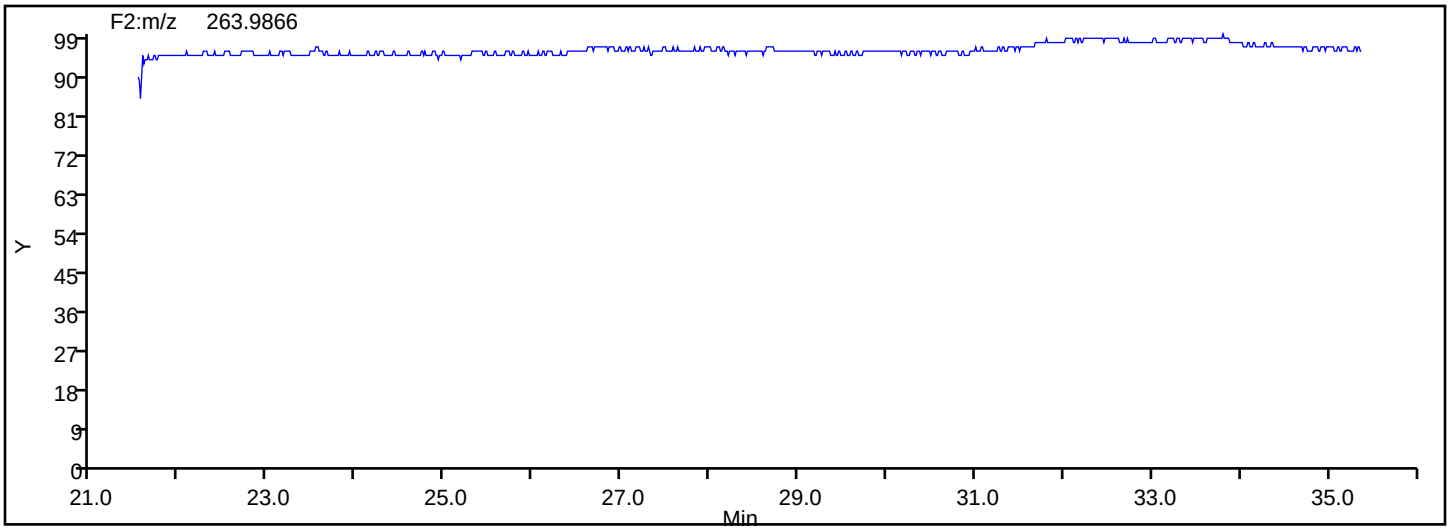
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

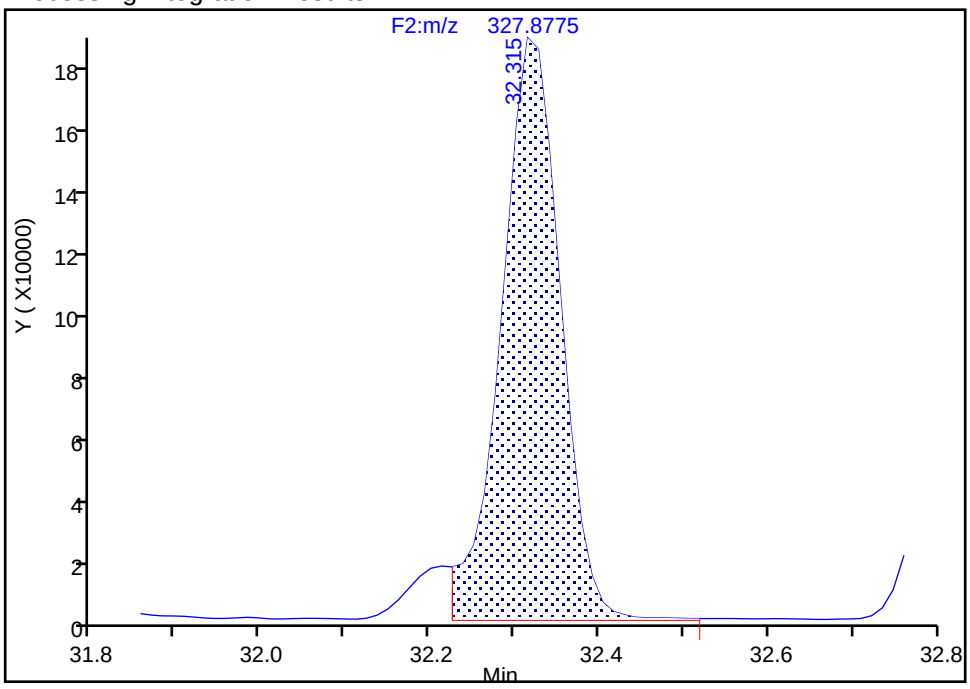
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

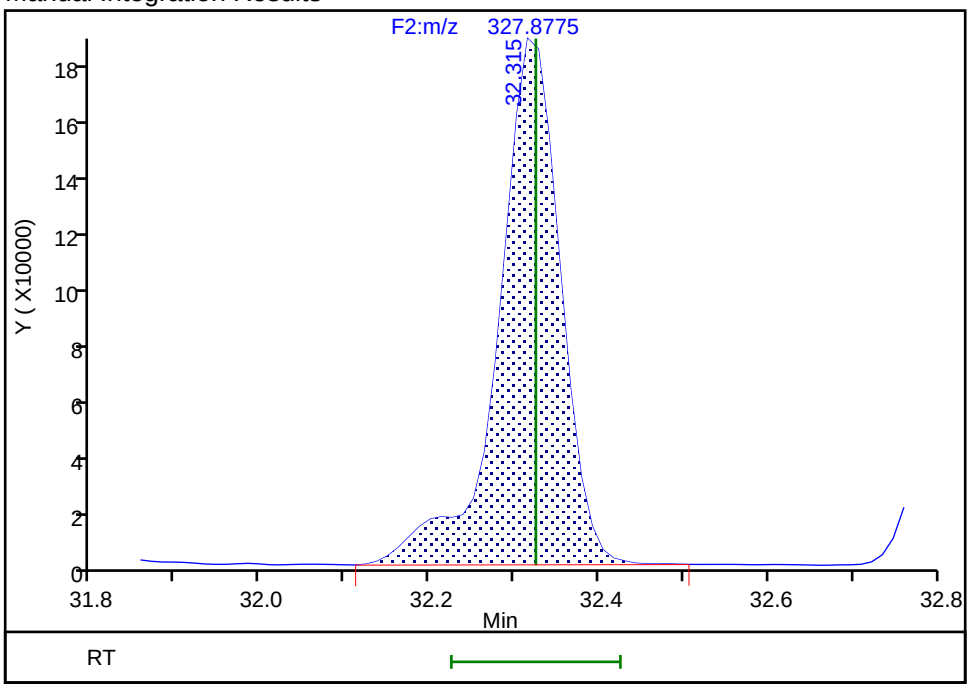
Processing Integration Results

RT: 32.32
Area: 888245
Amount: 156.5570
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 937450
Amount: 165.6881
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:18:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

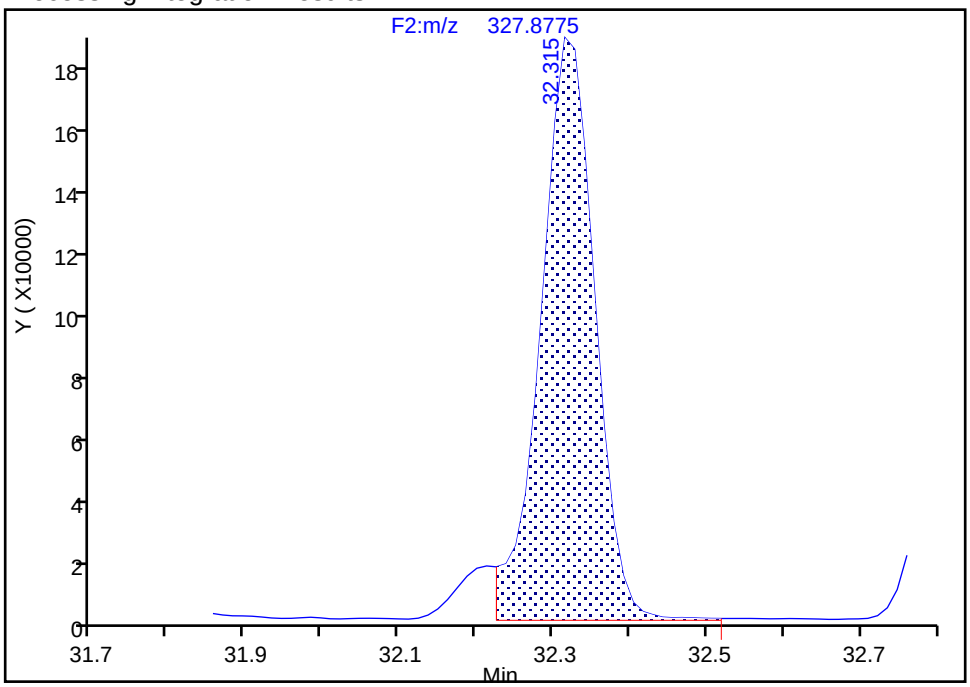
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.32
Area: 2298377
Amount: 156.5570
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 2432429
Amount: 165.6881
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:18:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

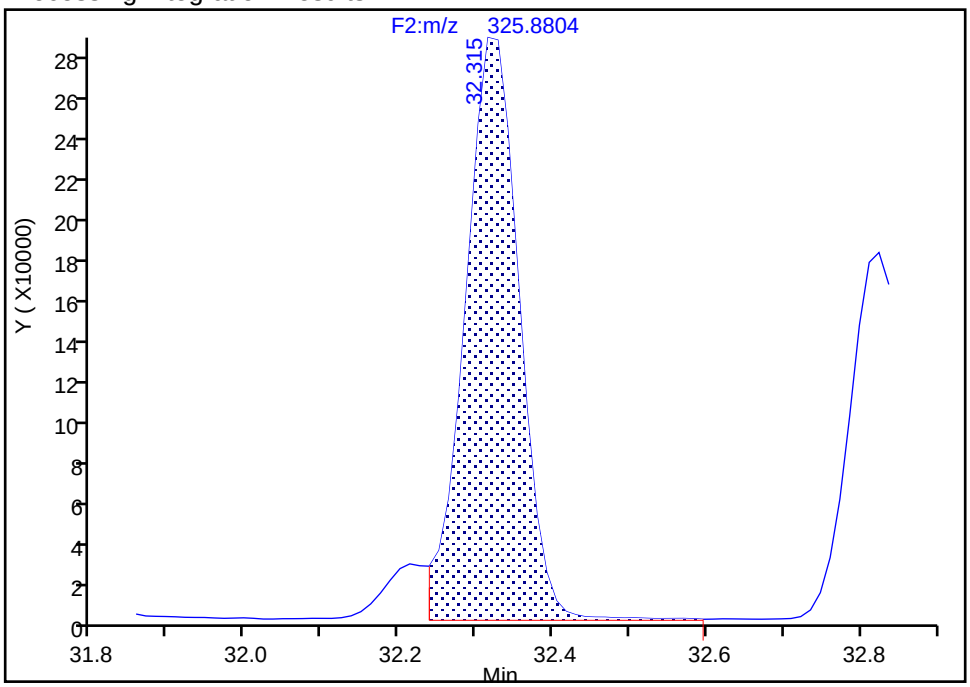
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

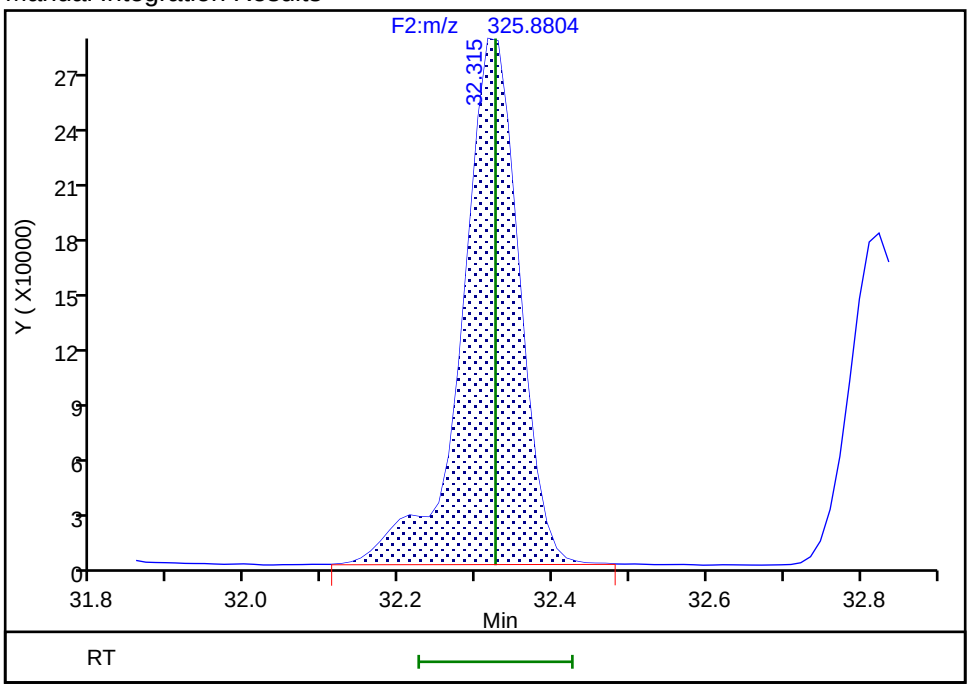
Processing Integration Results

RT: 32.32
Area: 1410132
Amount: 156.5570
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 1494979
Amount: 165.6881
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:18:26

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

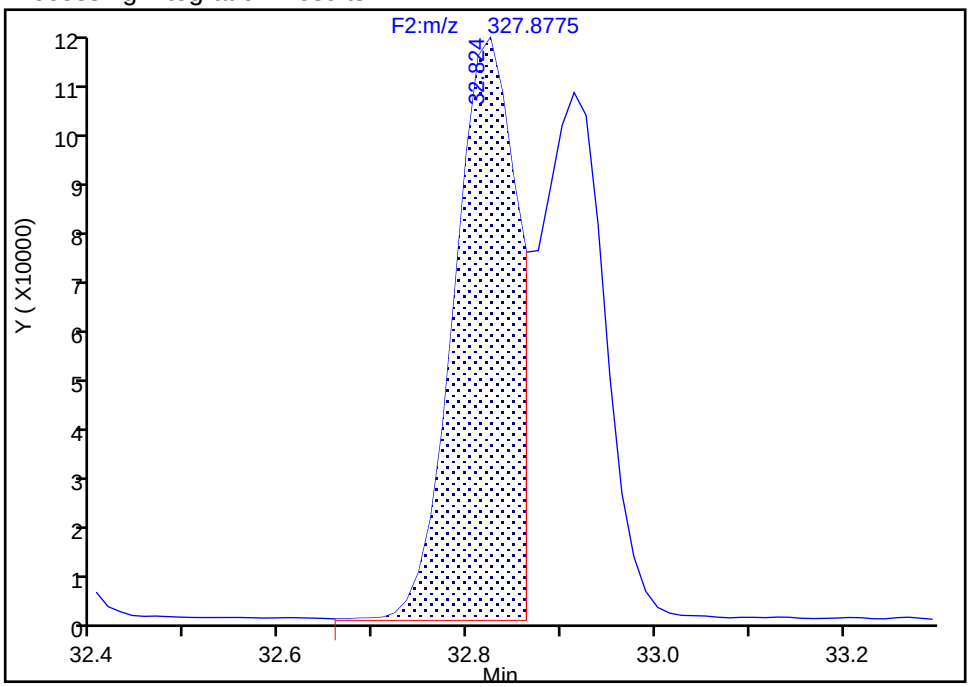
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

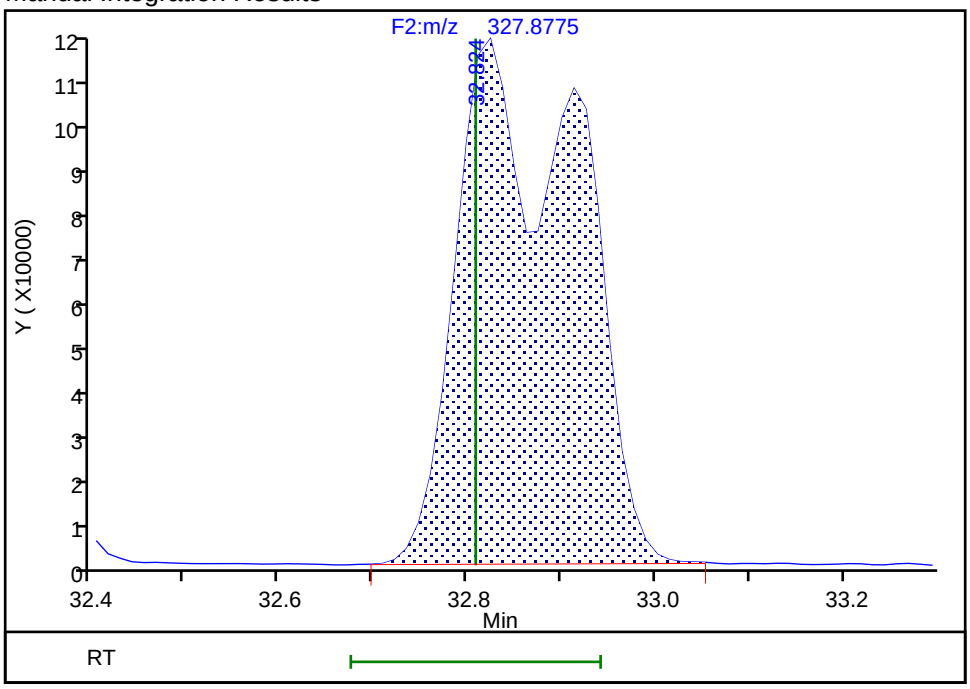
Processing Integration Results

RT: 32.82
Area: 528475
Amount: 77.530213
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 1035061
Amount: 143.6485
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:18:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

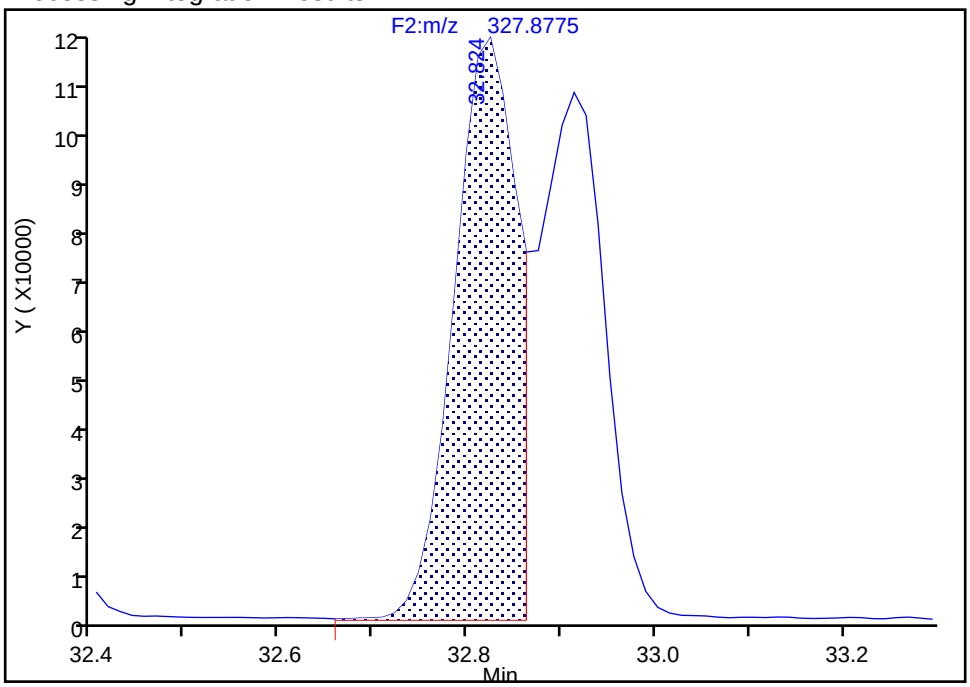
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.82
Area: 1448961
Amount: 77.530213
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 2684645
Amount: 143.6485
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:18:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

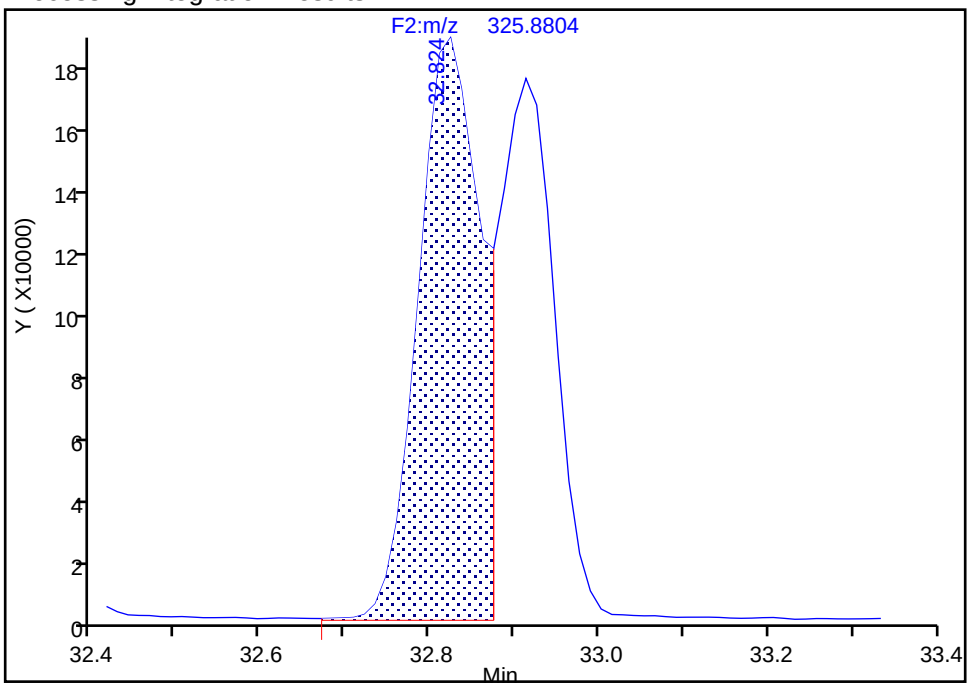
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

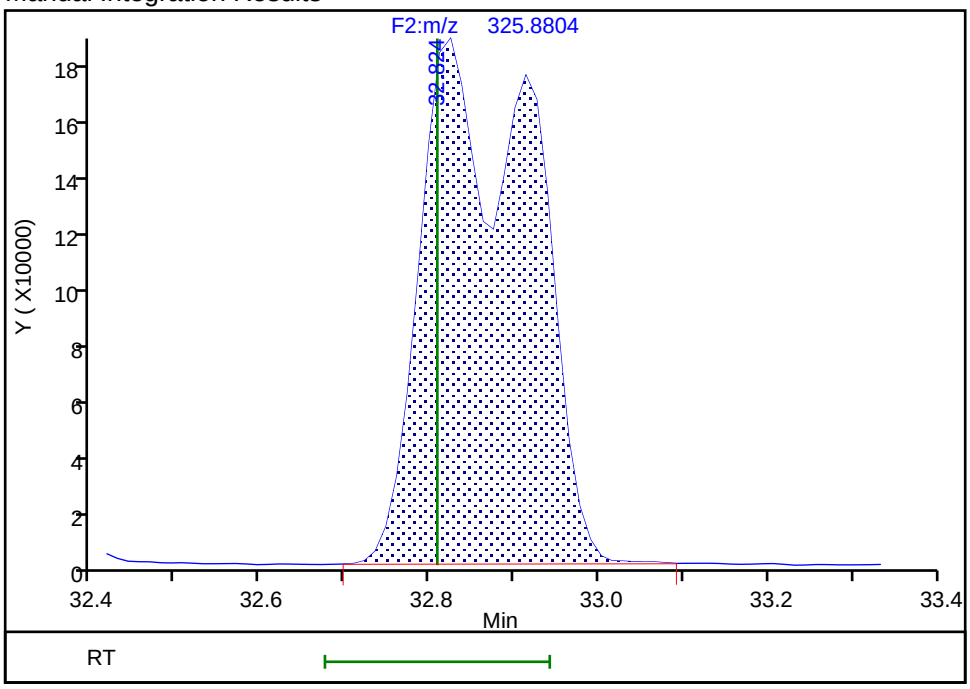
Processing Integration Results

RT: 32.82
Area: 920486
Amount: 77.530213
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 1649584
Amount: 143.6485
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:18:49

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

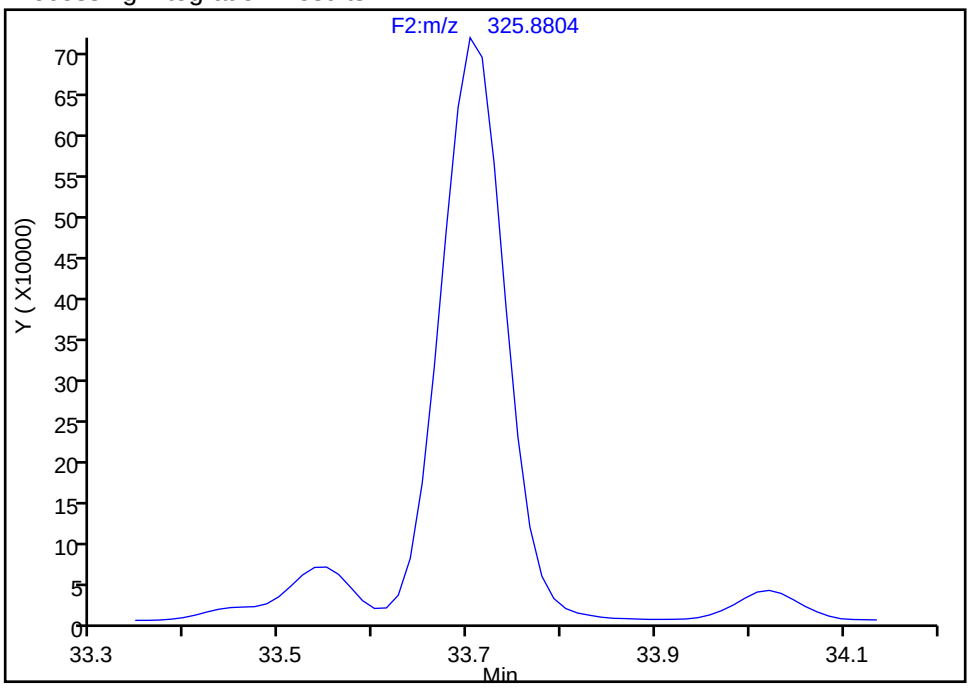
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

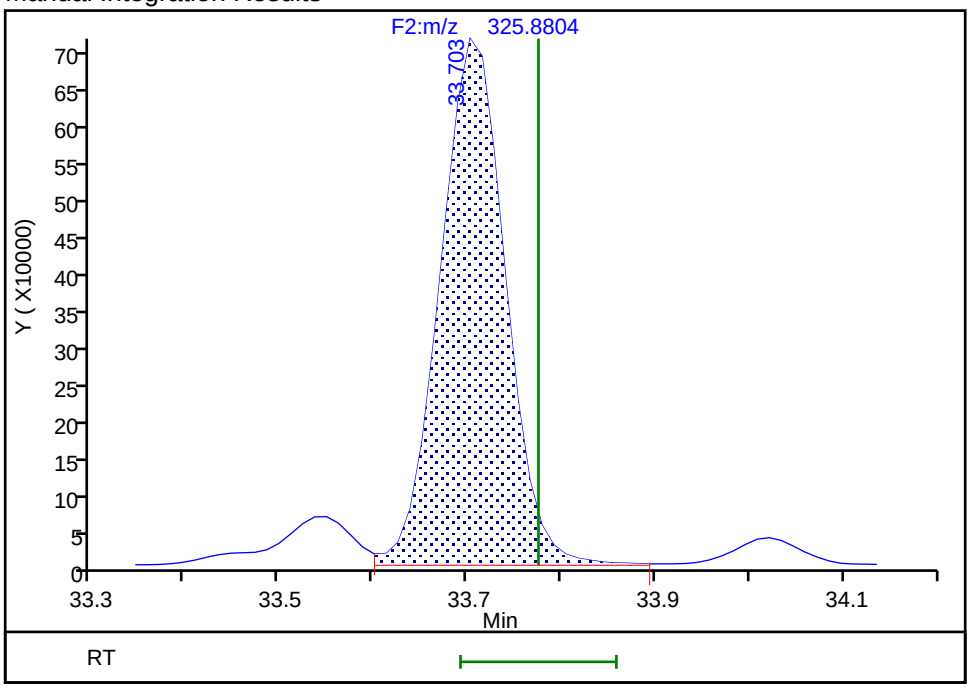
Not Detected
Expected RT: 33.78

Processing Integration Results




Manual Integration Results

RT: 33.70
Area: 3460892
Amount: 267.6225
Amount Units: pg/ul

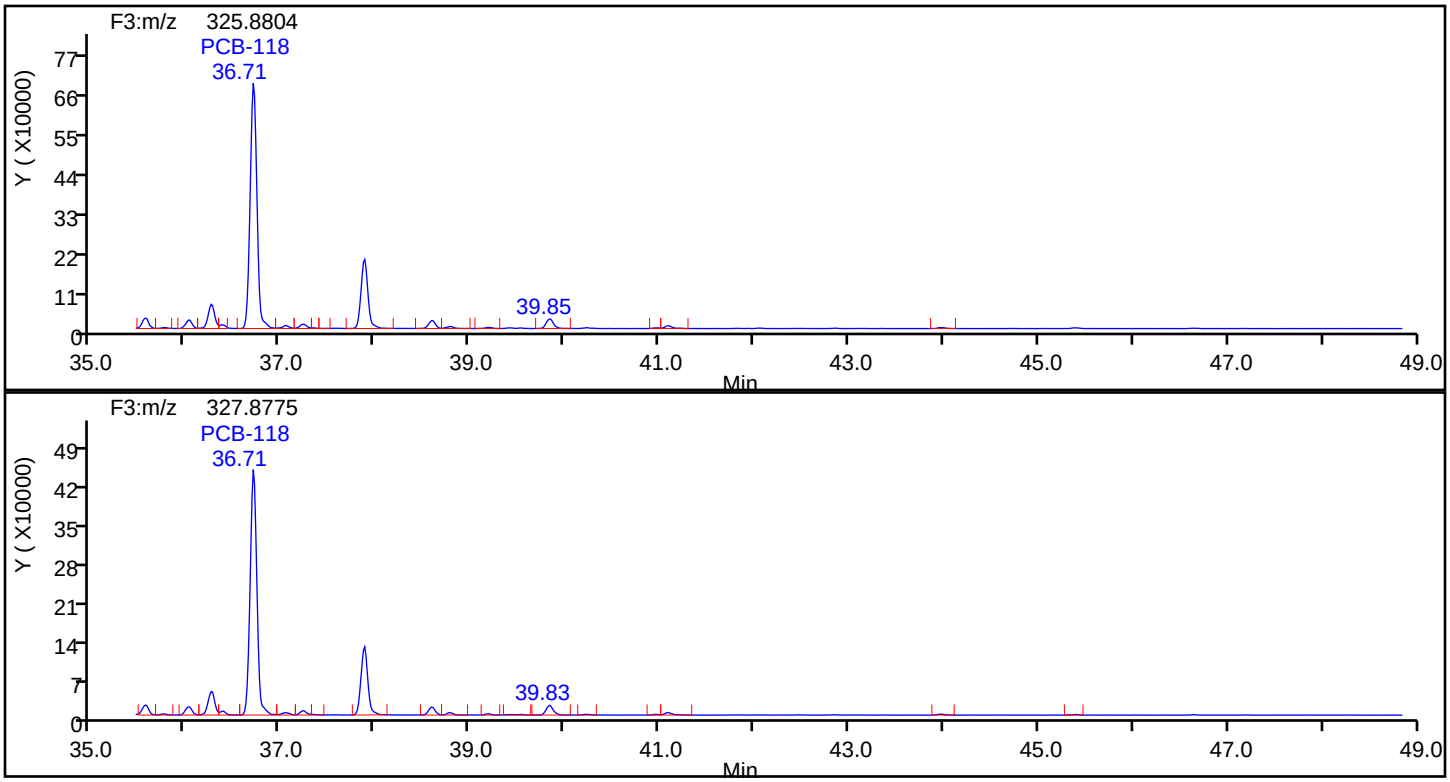



Reviewer: mcwhirterl, 03-Oct-2019 23:18:56
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

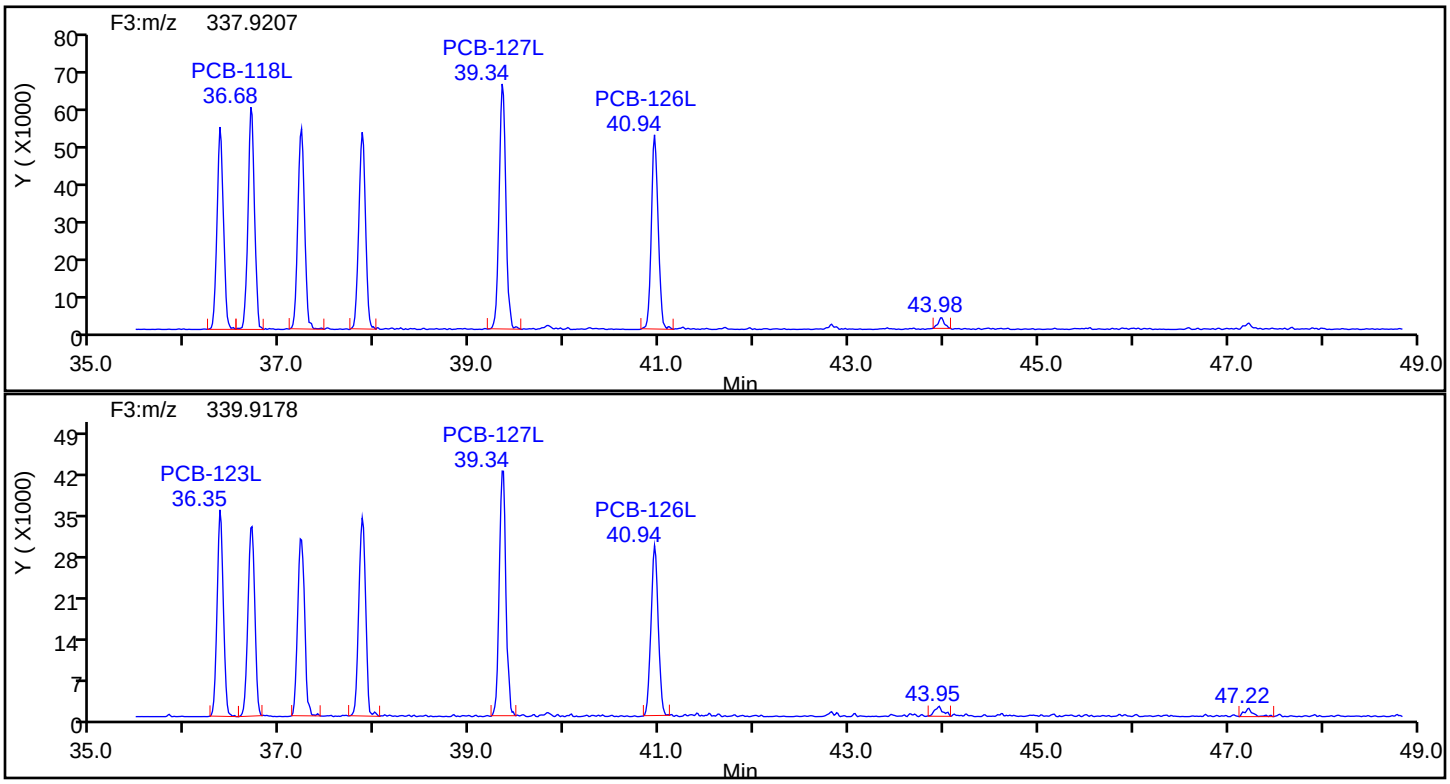
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



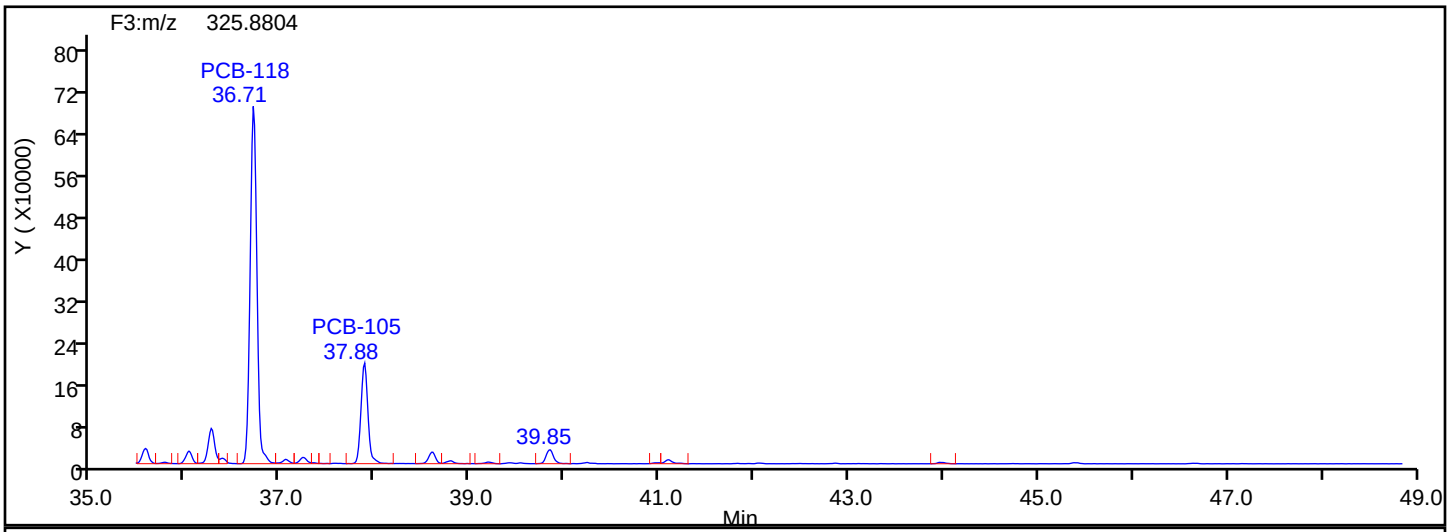

PePCB F3 Standards

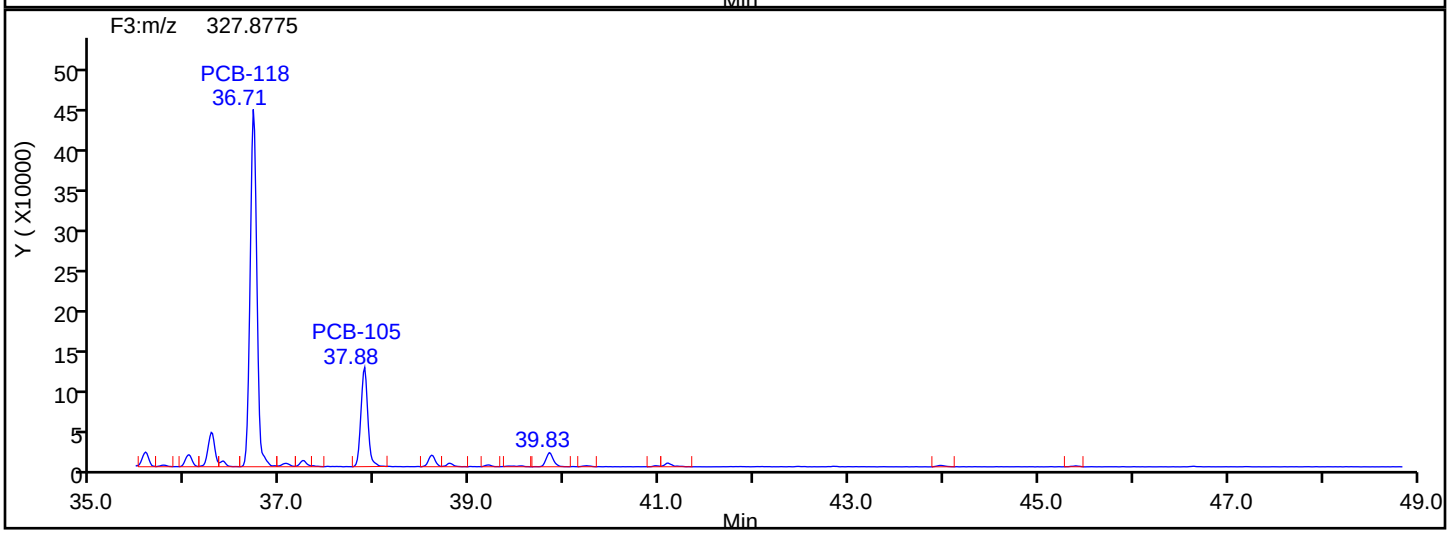


Eurofins TestAmerica, Knoxville

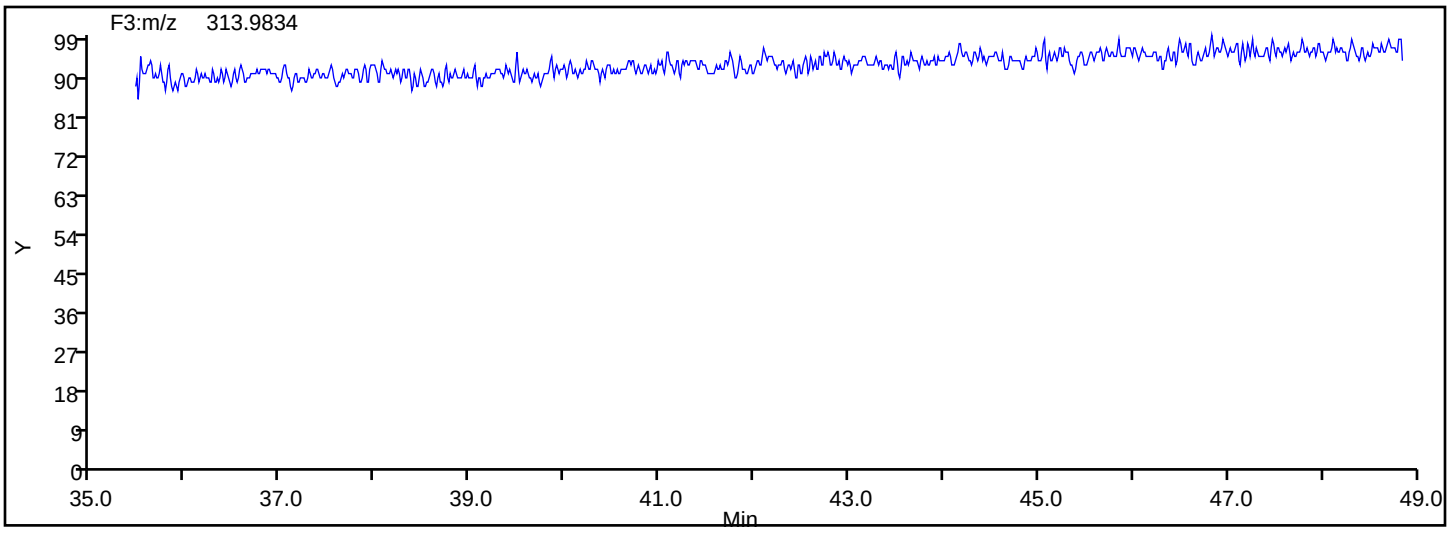
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

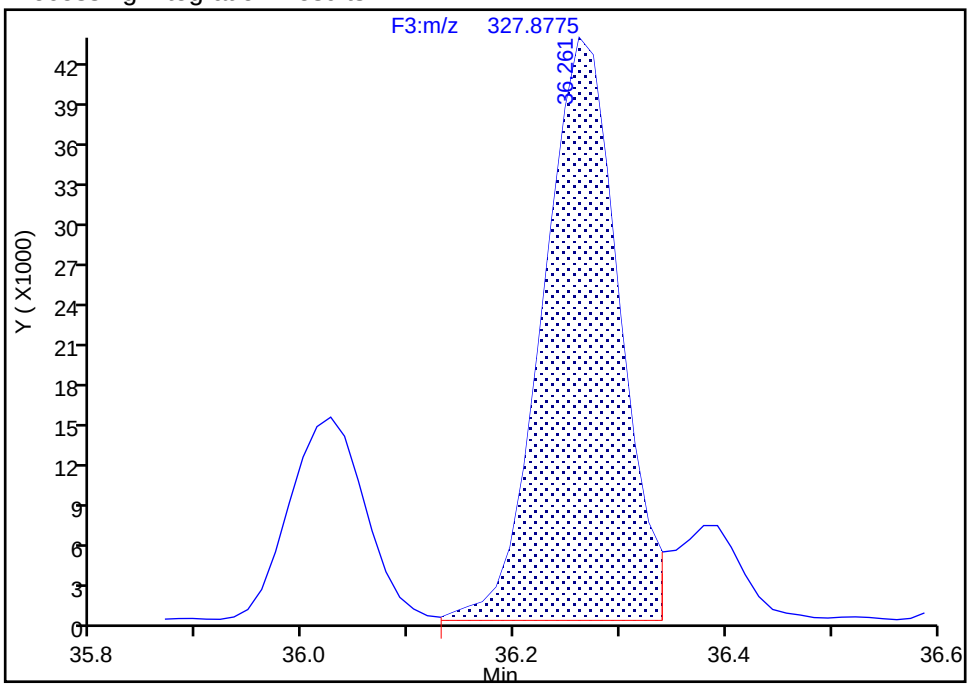
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

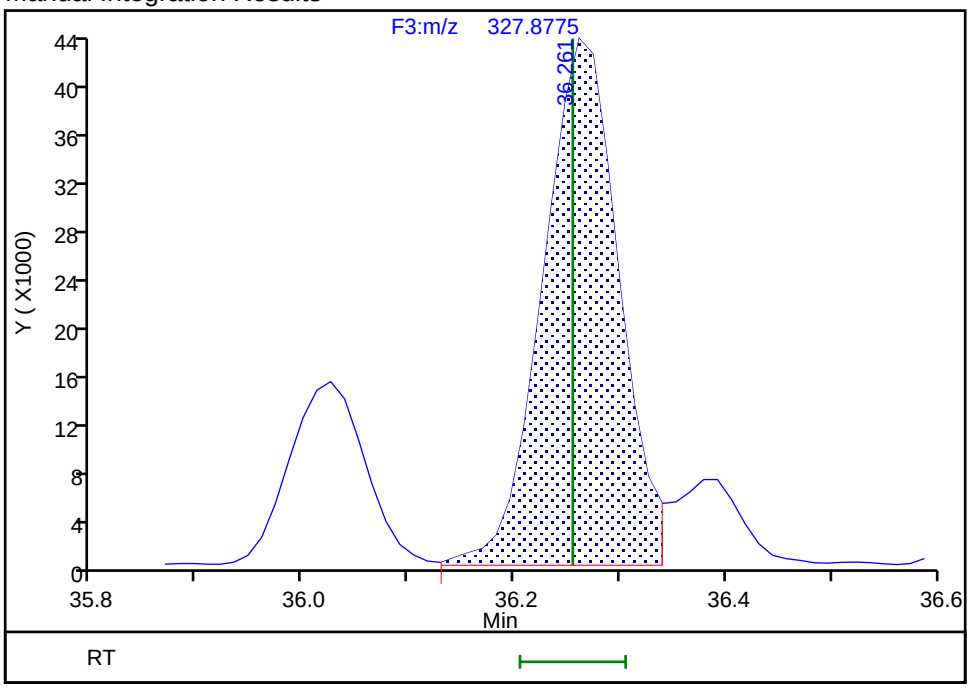
Processing Integration Results

RT: 36.26
Area: 213338
Amount: 20.316085
Amount Units: pg/ul




Manual Integration Results

RT: 36.26
Area: 213338
Amount: 18.735769
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:19:28

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

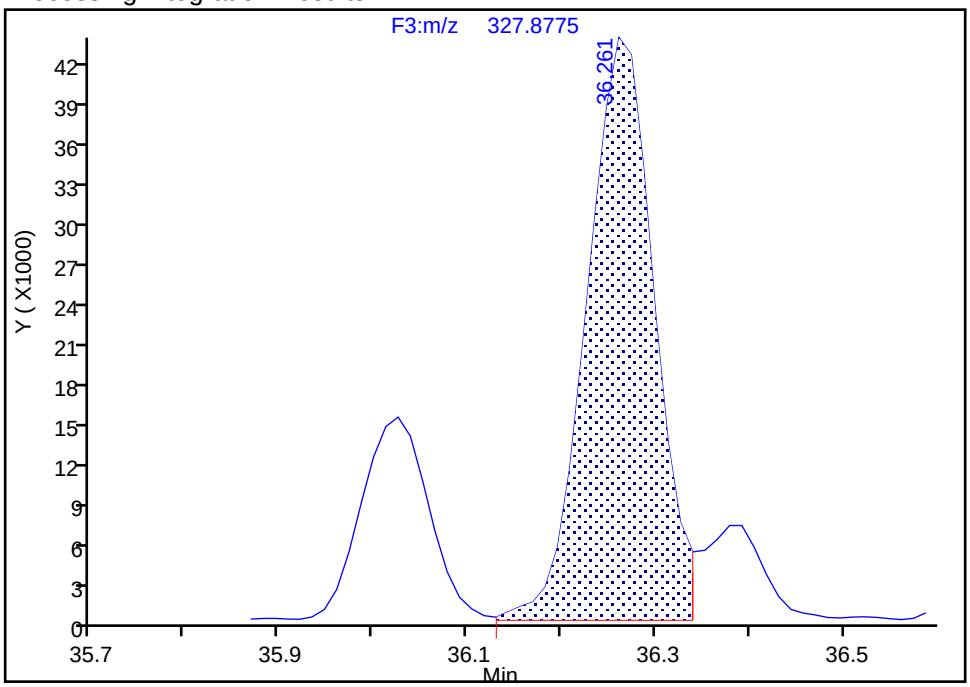
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 3

Processing Integration Results

RT: 36.26
Area: 590180
Amount: 20.316085
Amount Units: pg/ul




Manual Integration Results

RT: 36.26
Area: 544272
Amount: 18.735769
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:19:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

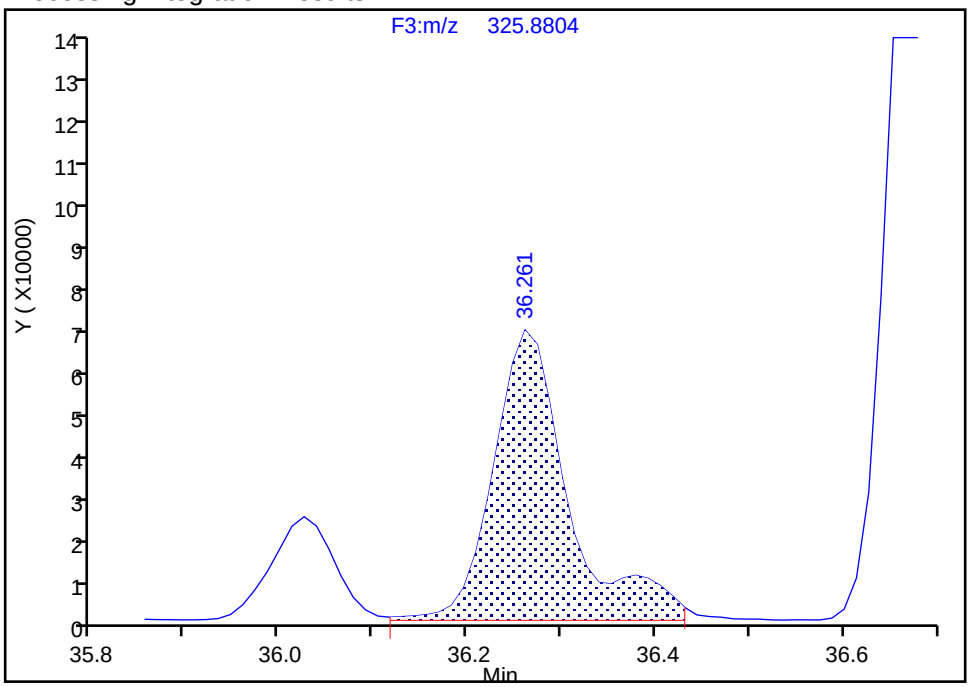
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

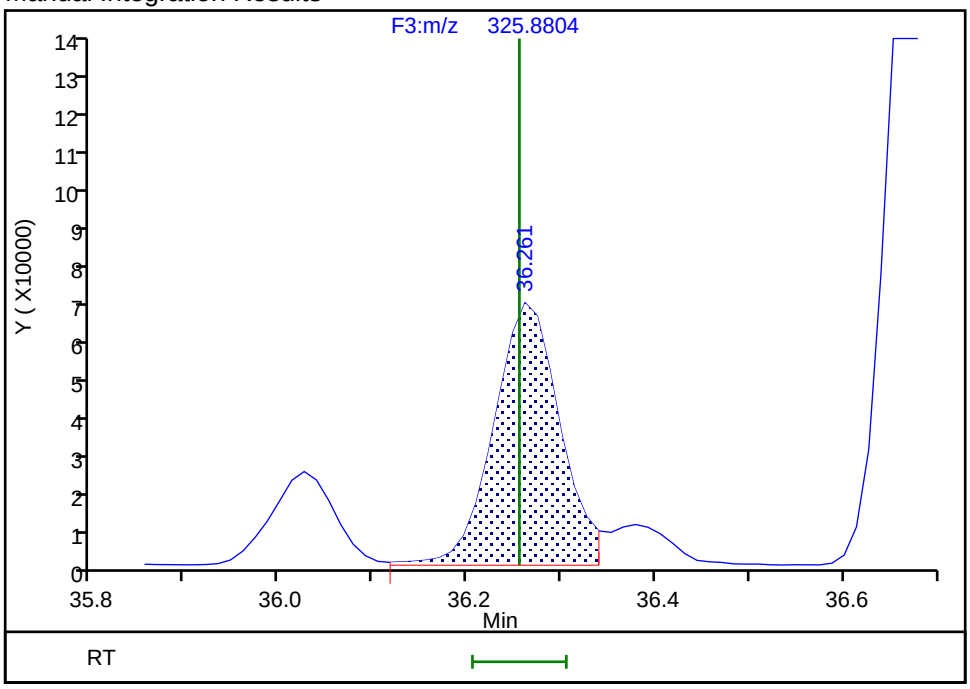
Processing Integration Results

RT: 36.26
Area: 376842
Amount: 20.316085
Amount Units: pg/ul




Manual Integration Results

RT: 36.26
Area: 330934
Amount: 18.735769
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:19:30

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

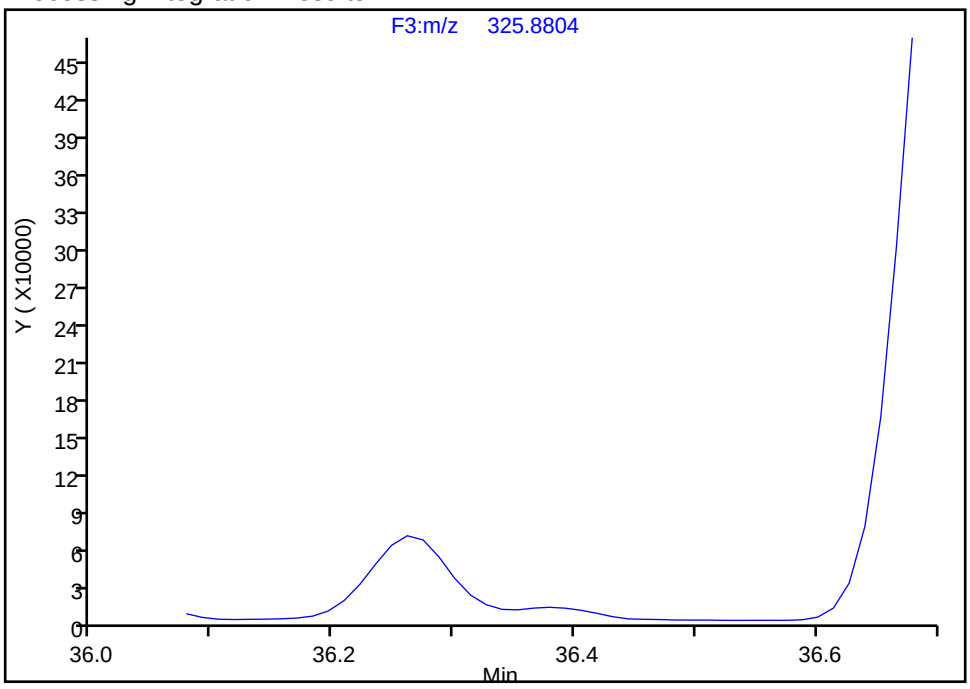
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

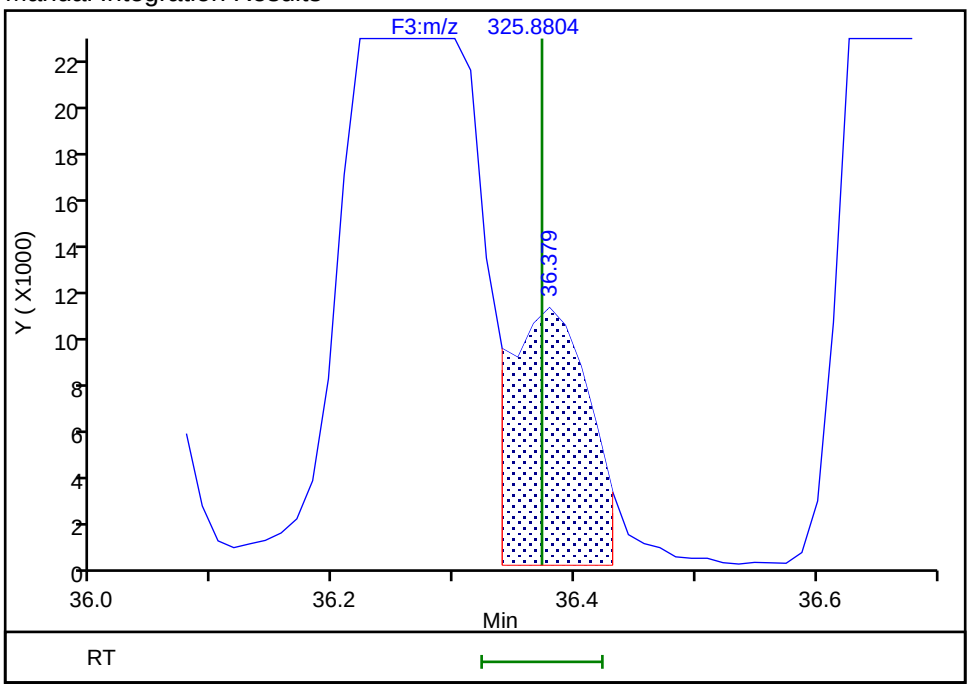
Not Detected
Expected RT: 36.37

Processing Integration Results




Manual Integration Results

RT: 36.38
Area: 45907
Amount: 2.788227
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:19:37
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

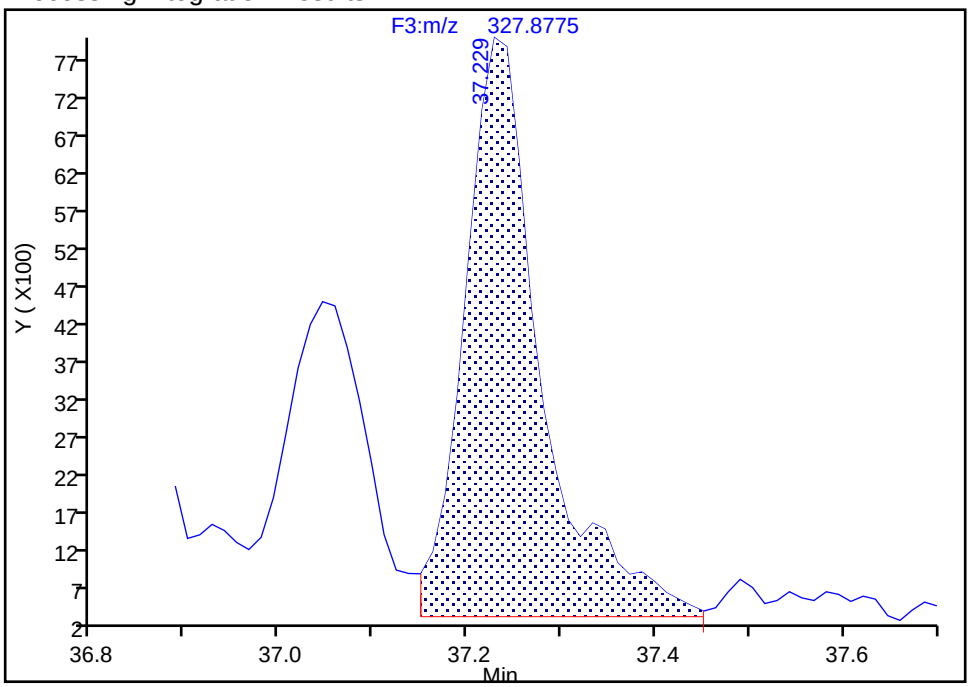
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

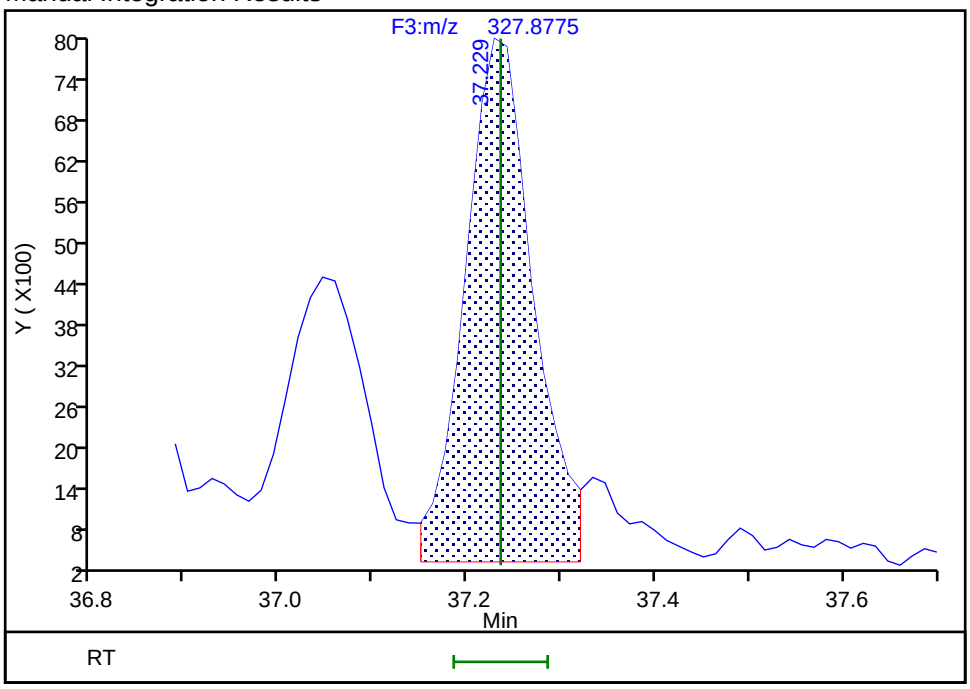
Processing Integration Results

RT: 37.23
Area: 43479
Amount: 3.913951
Amount Units: pg/ul




Manual Integration Results

RT: 37.23
Area: 38756
Amount: 3.460201
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:01:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

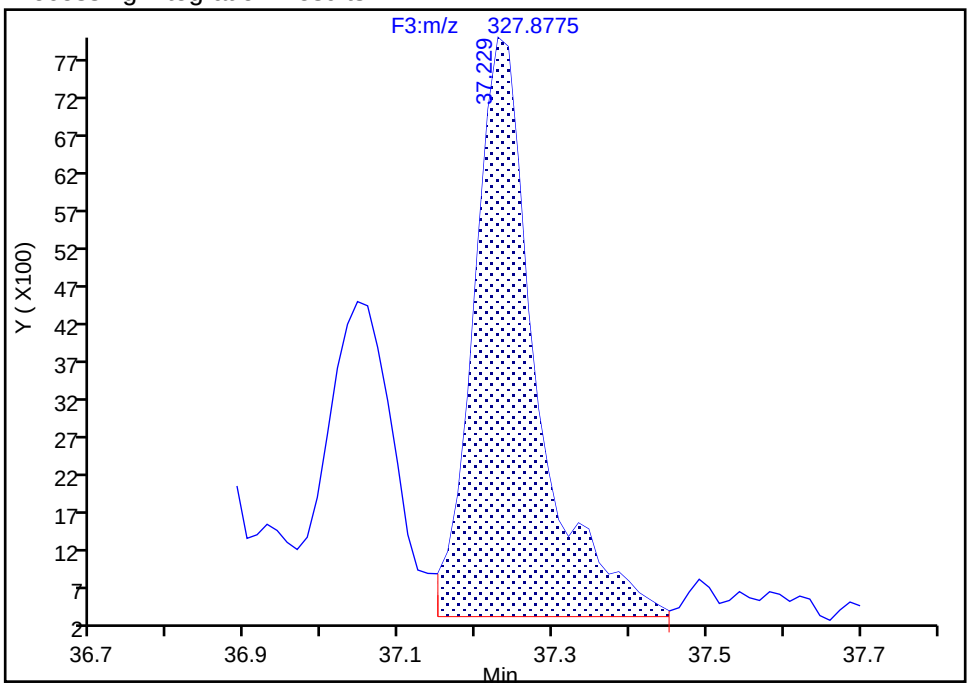
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 3

Processing Integration Results

RT: 37.23
Area: 116931
Amount: 3.913951
Amount Units: pg/ul




Manual Integration Results

RT: 37.23
Area: 103375
Amount: 3.460201
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:01:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

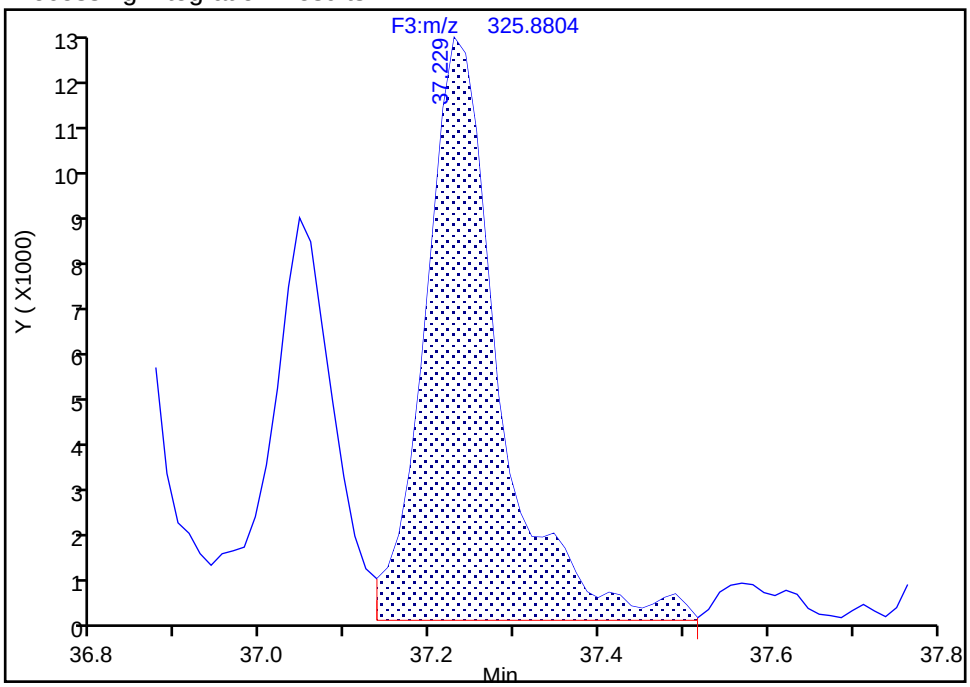
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

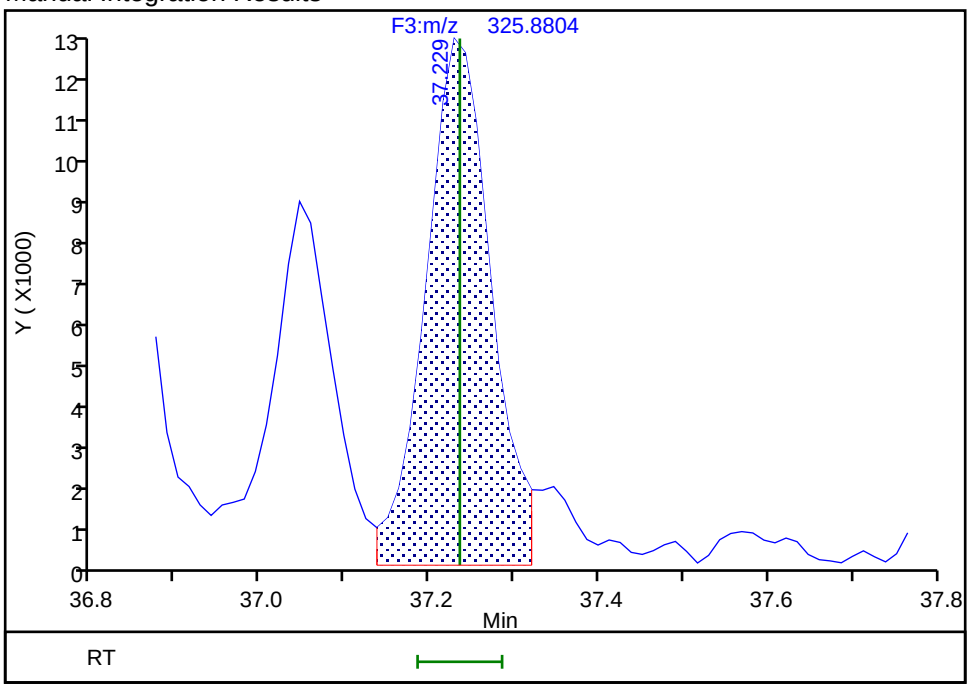
Processing Integration Results

RT: 37.23
Area: 73452
Amount: 3.913951
Amount Units: pg/ul




Manual Integration Results

RT: 37.23
Area: 64619
Amount: 3.460201
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:01:48

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

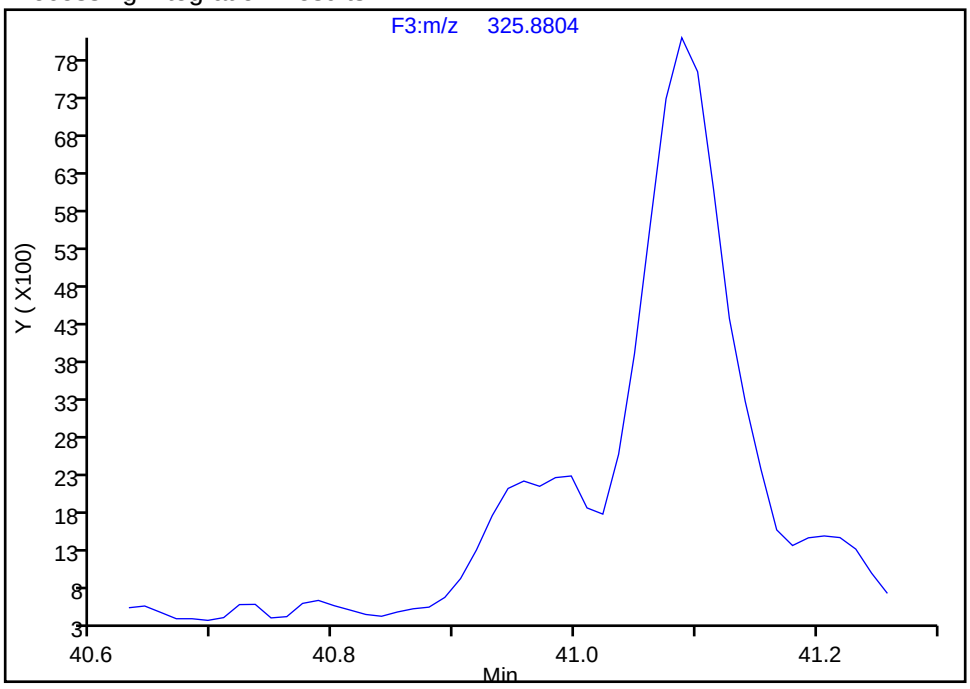
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

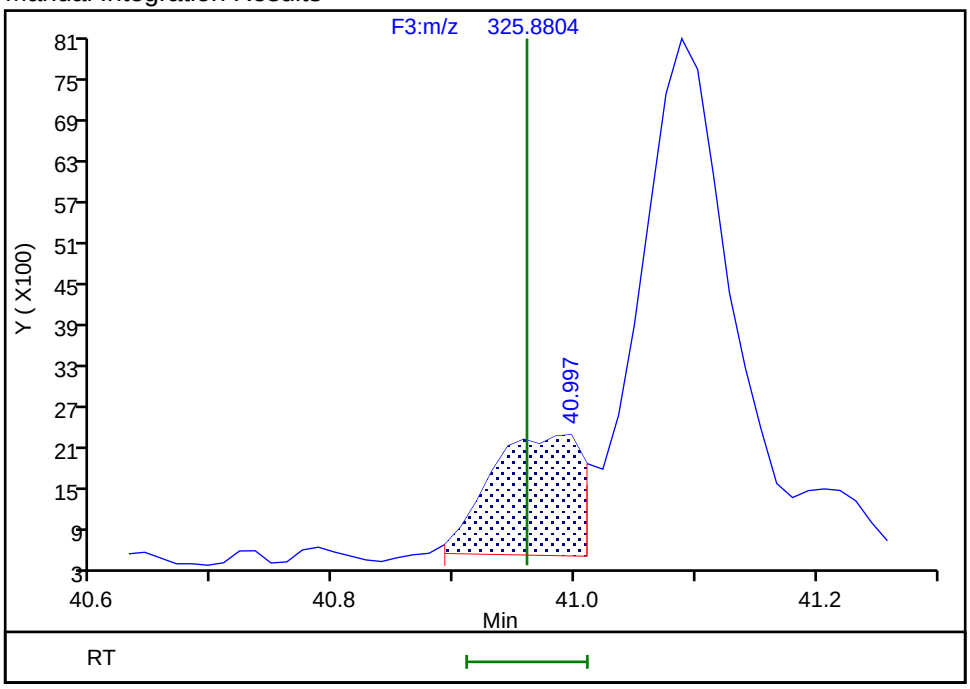
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 41.00
Area: 9176
Amount: 0.523322
Amount Units: pg/ul

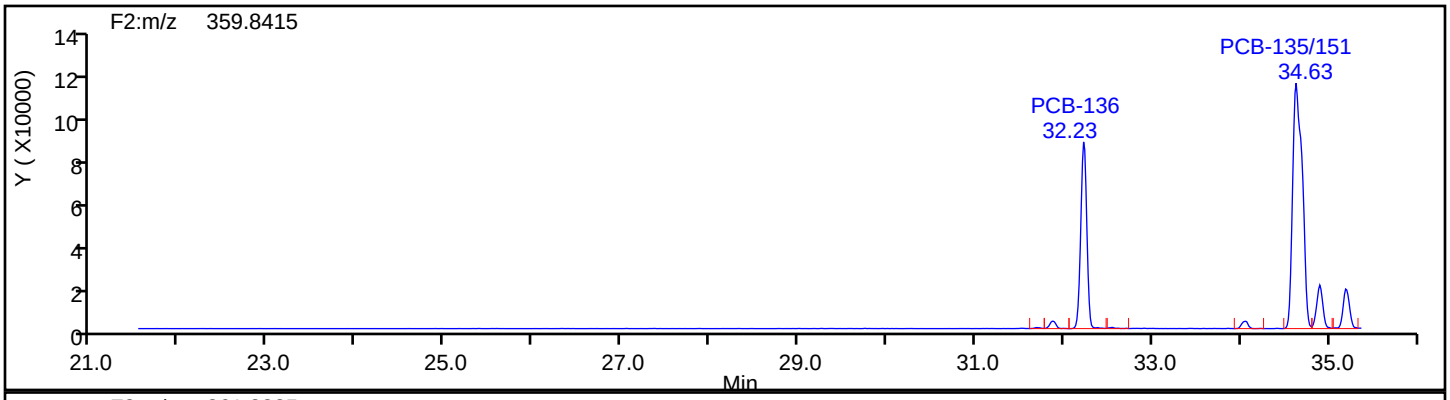


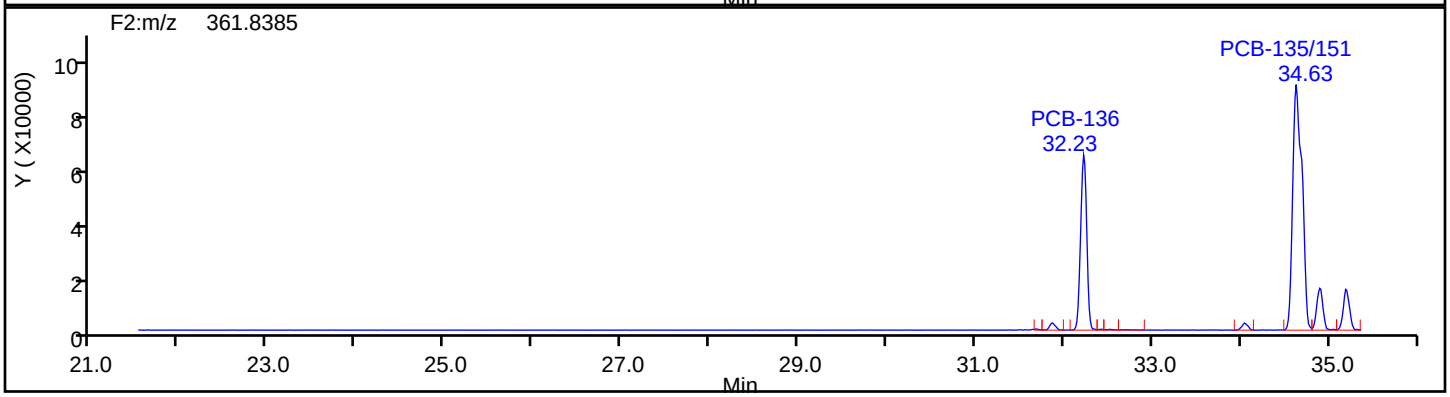

Reviewer: mcwhirterl, 03-Oct-2019 23:20:07
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

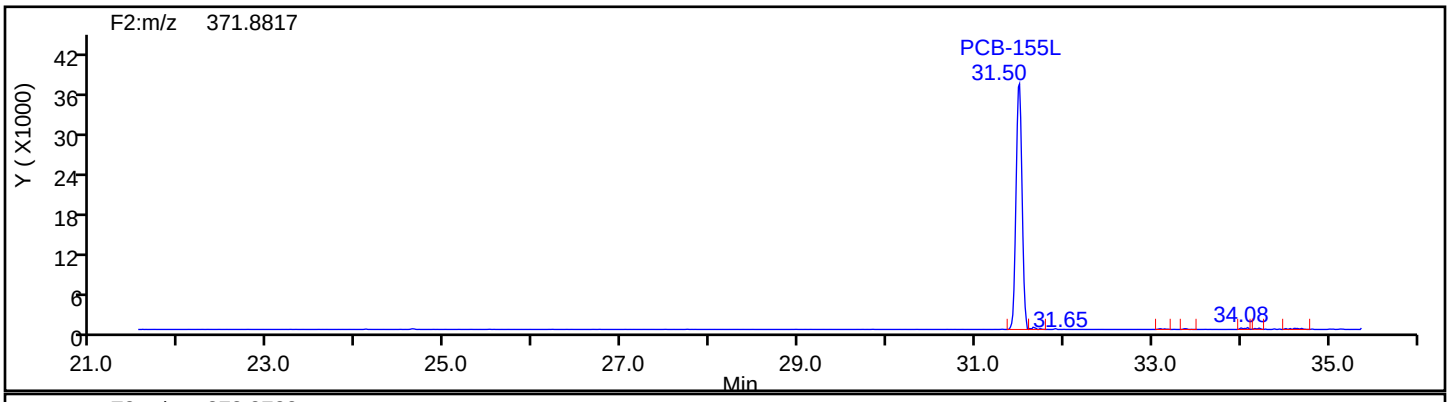
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

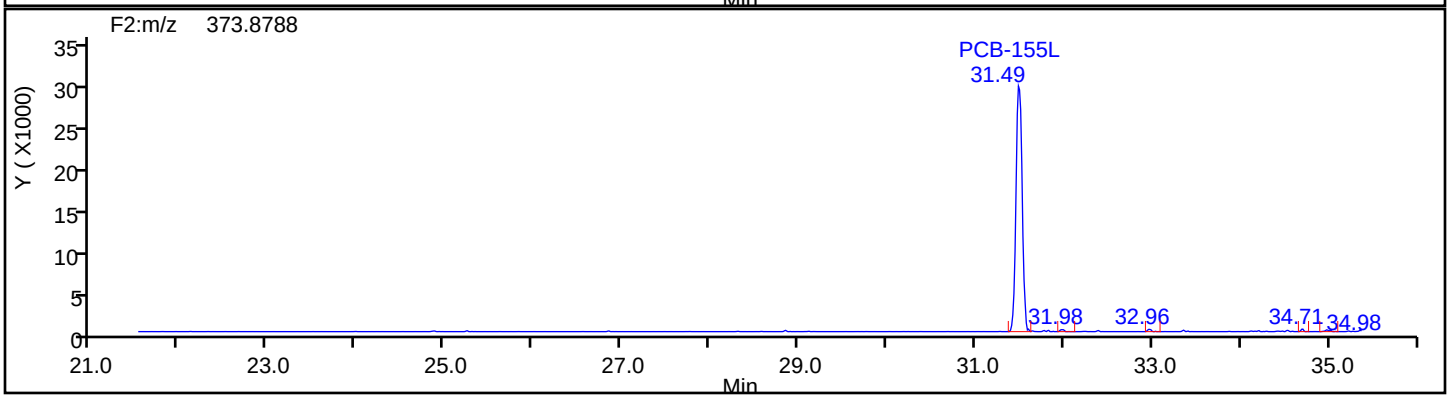
HxPCB F2




HxPCB F2 Standards

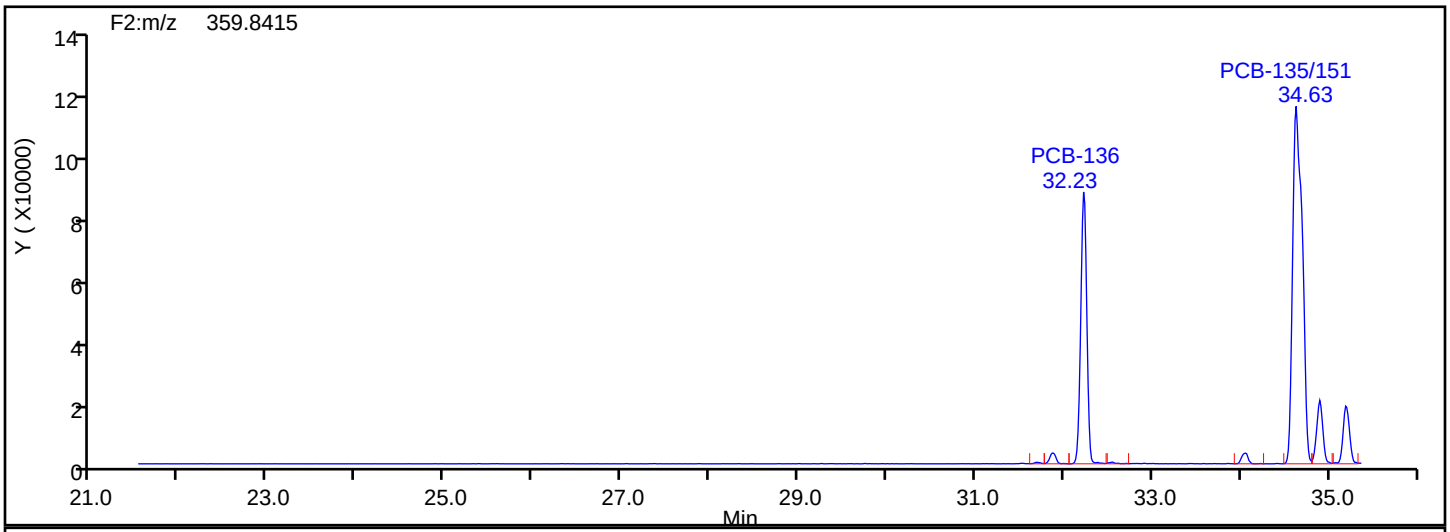


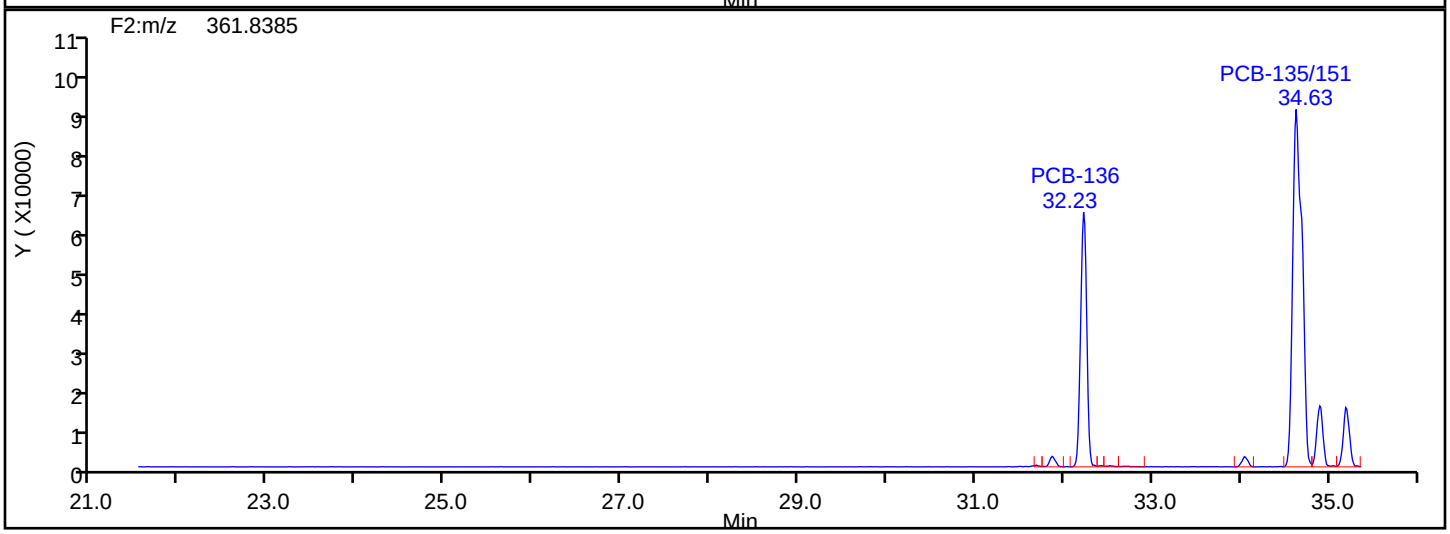



Eurofins TestAmerica, Knoxville

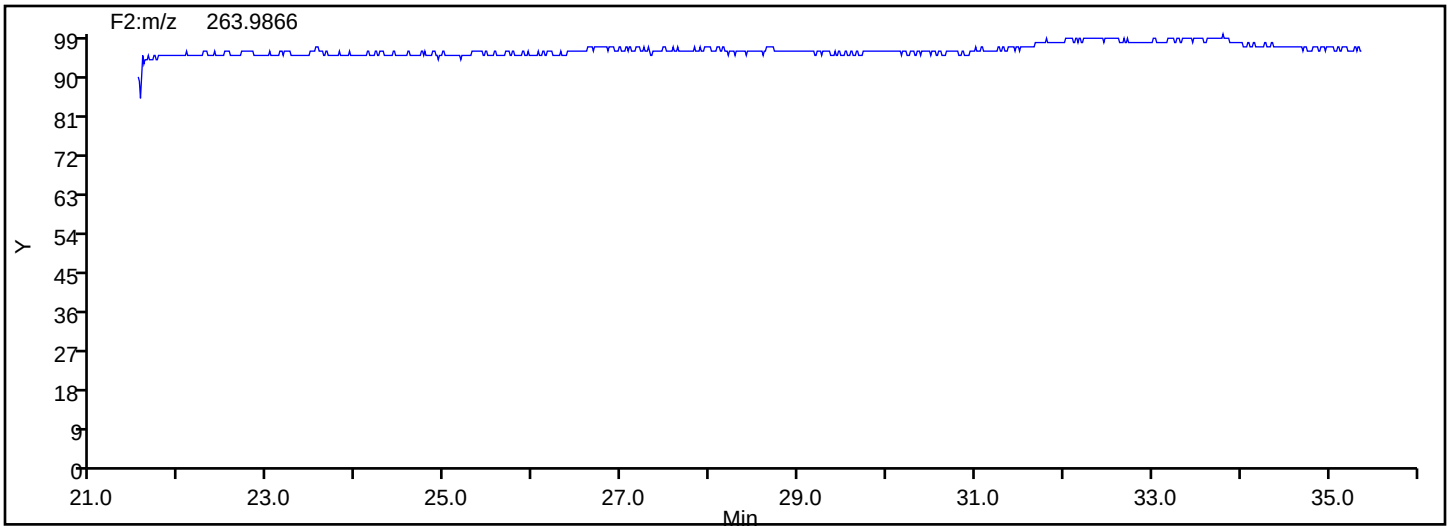
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

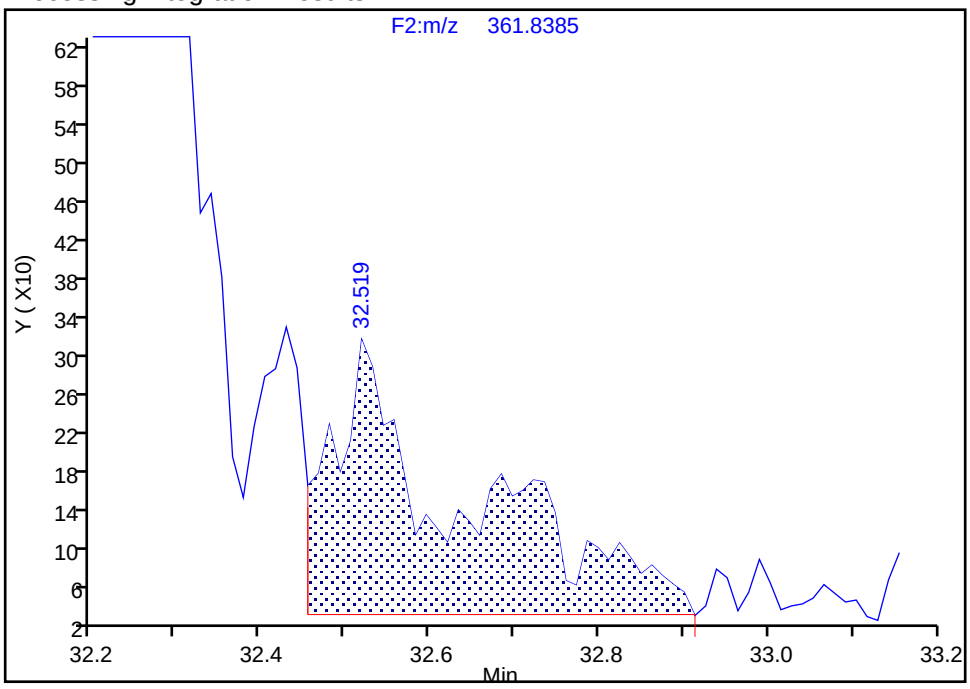
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

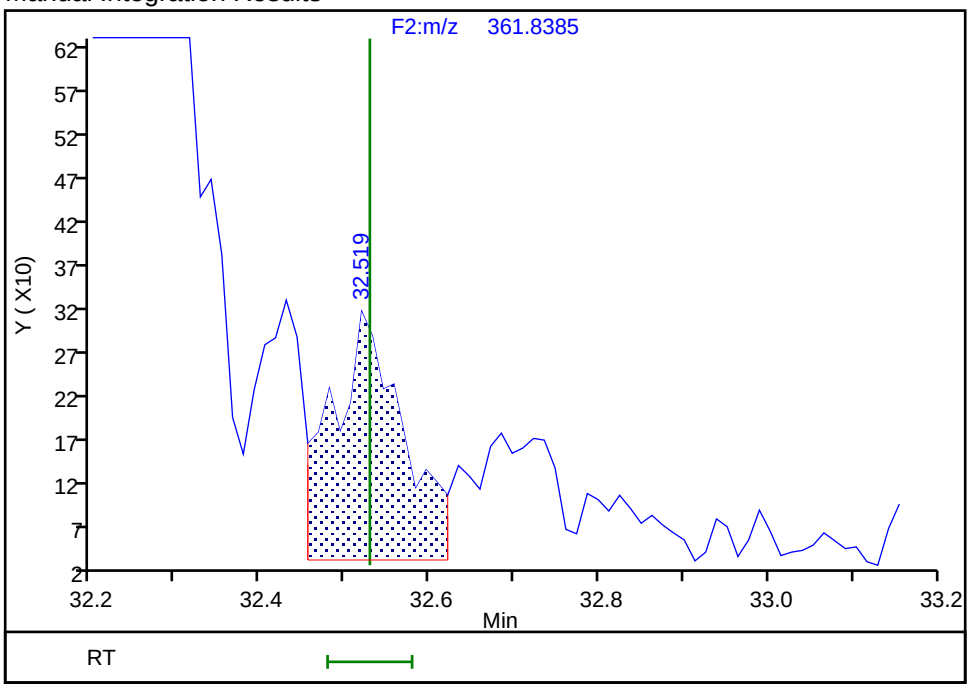
Processing Integration Results

RT: 32.52
Area: 3004
Amount: 0.304707
Amount Units: pg/ul




Manual Integration Results

RT: 32.52
Area: 1620
Amount: 0.231759
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:20:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

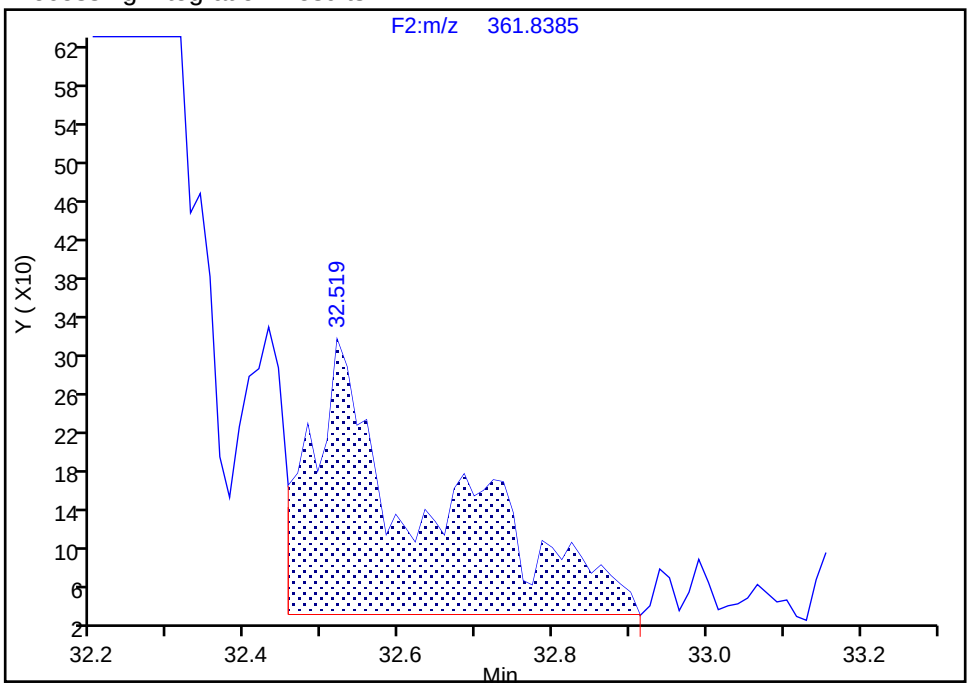
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 3

Processing Integration Results

RT: 32.56
Area: 5781
Amount: 0.304707
Amount Units: pg/ul




Manual Integration Results

RT: 32.56
Area: 4397
Amount: 0.231759
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:20:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

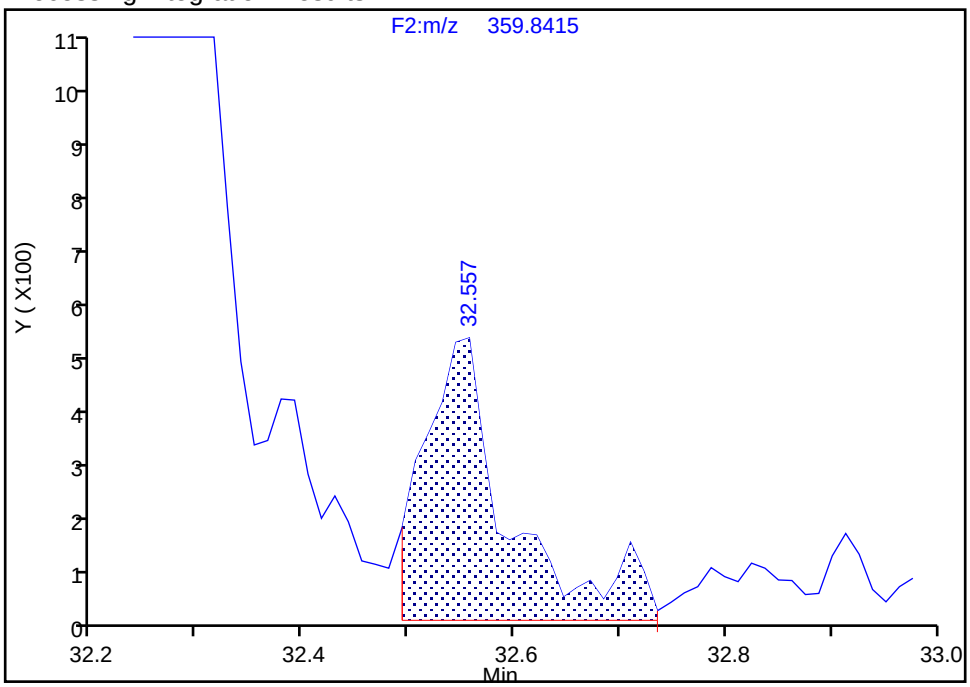
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

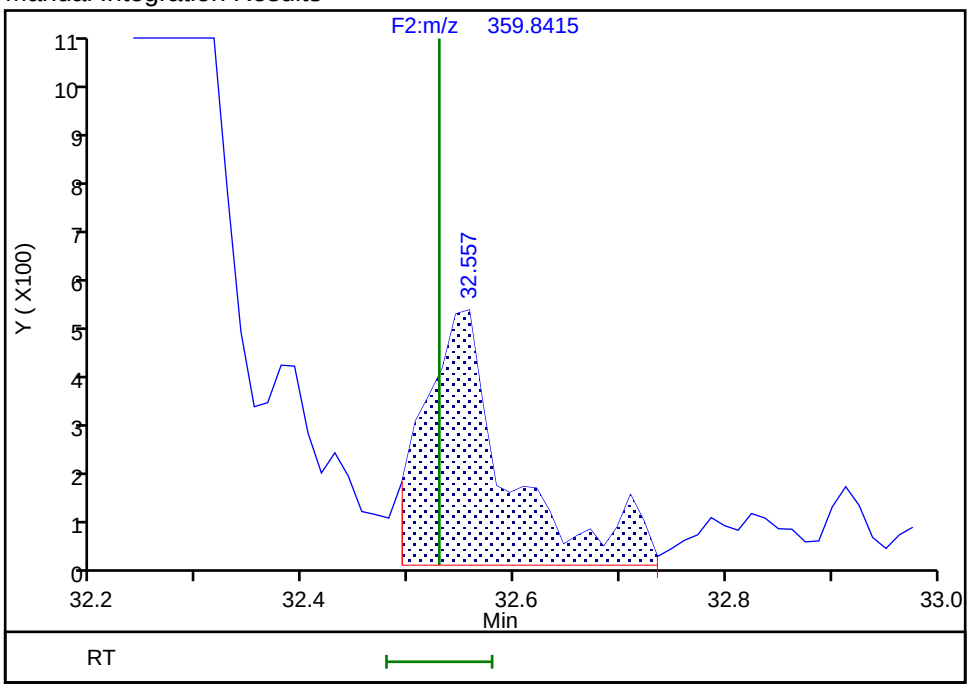
Processing Integration Results

RT: 32.56
Area: 2777
Amount: 0.304707
Amount Units: pg/ul




Manual Integration Results

RT: 32.56
Area: 2777
Amount: 0.231759
Amount Units: pg/ul

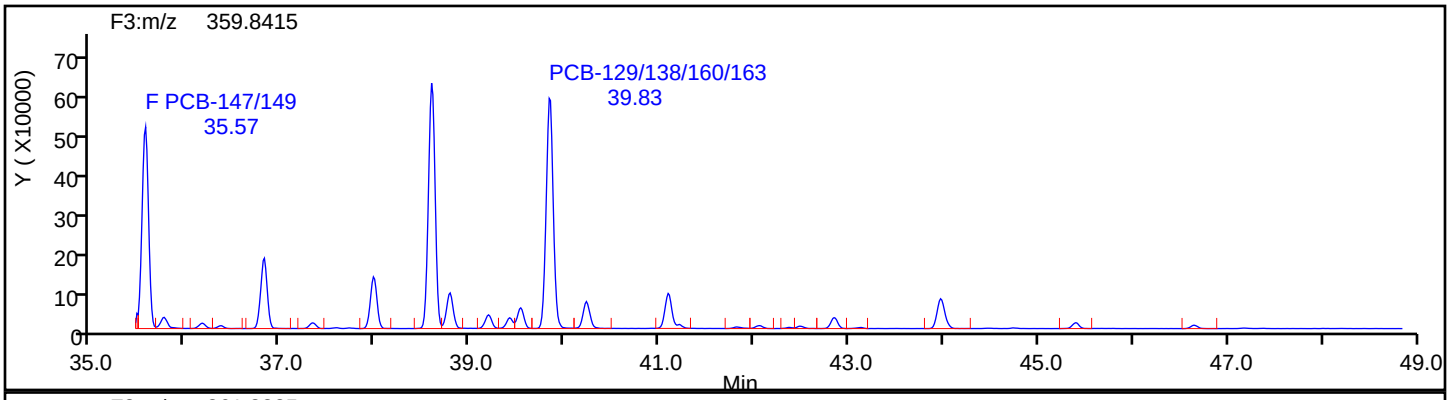


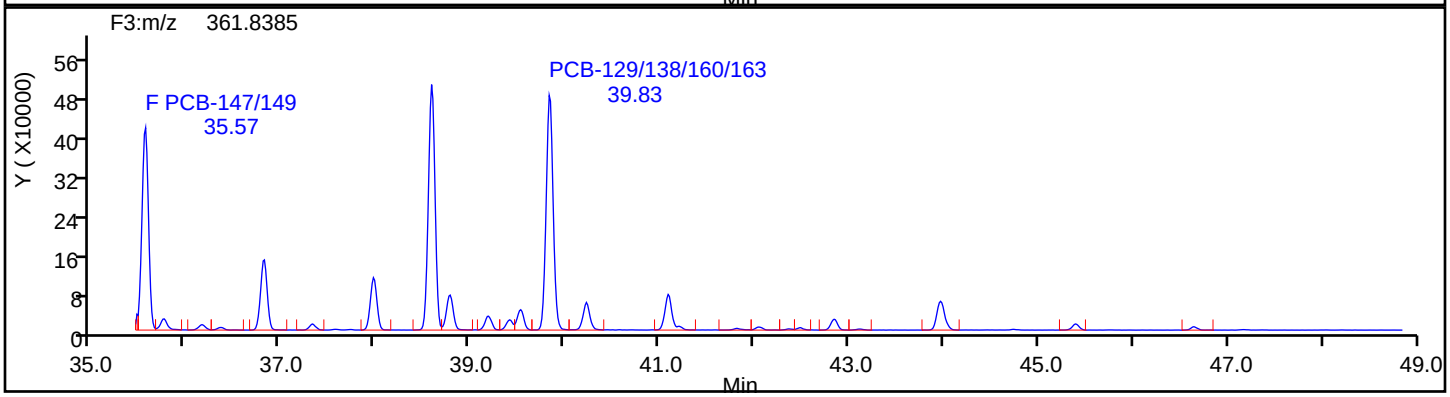

Reviewer: mcwhirterl, 03-Oct-2019 23:20:48
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

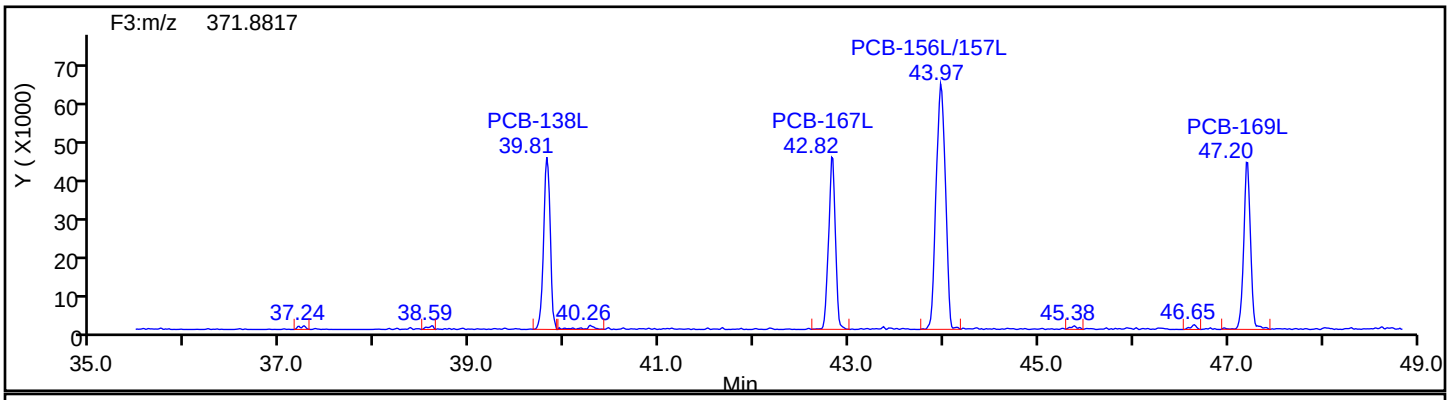
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

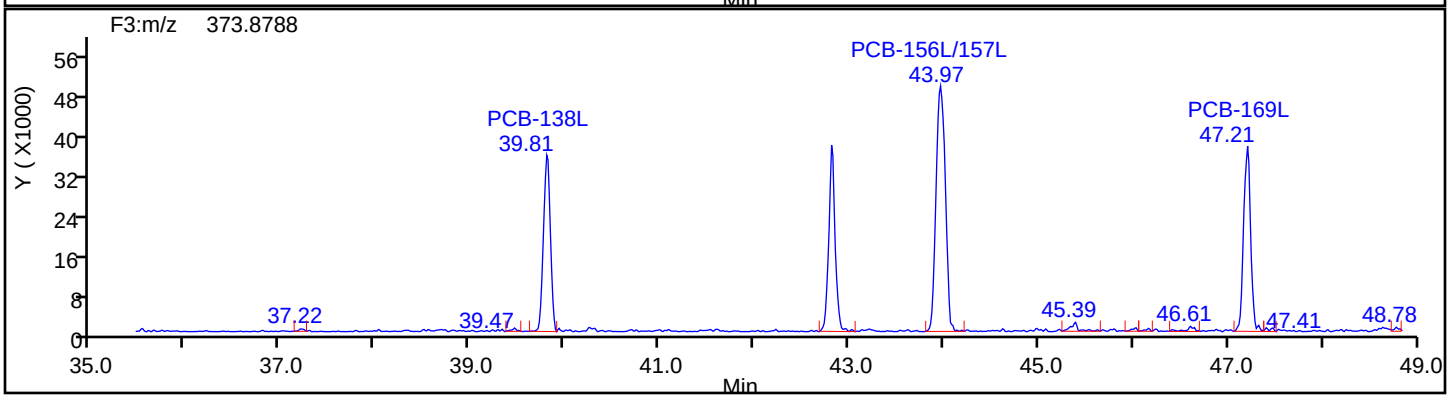
HxPCB F3




HxPCB F3 Standards

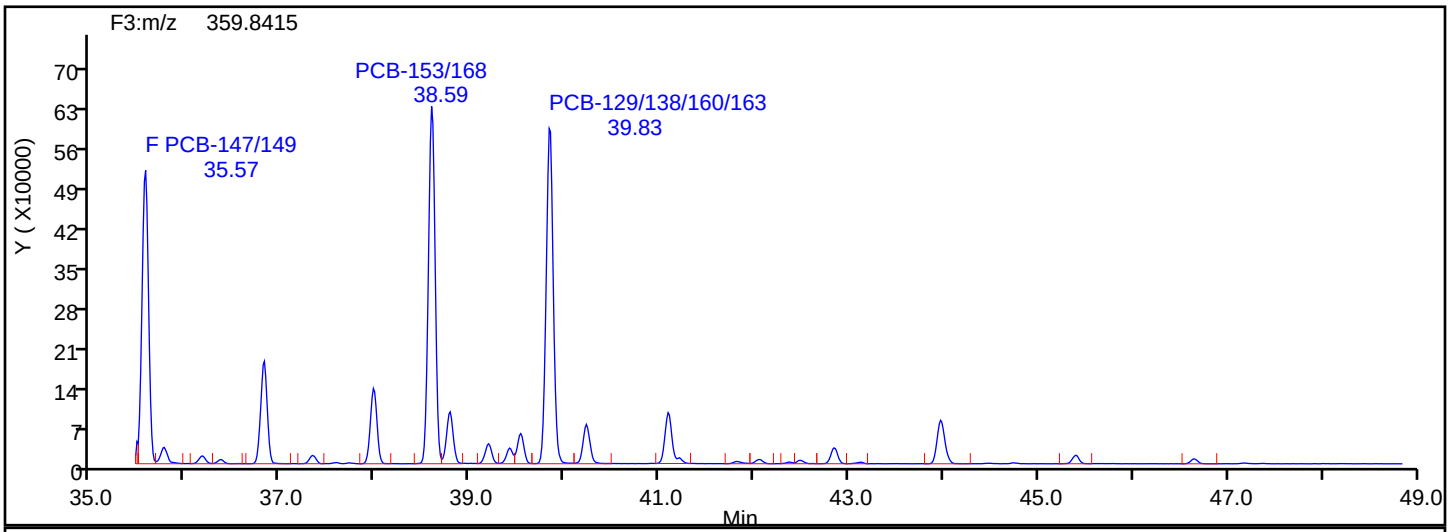


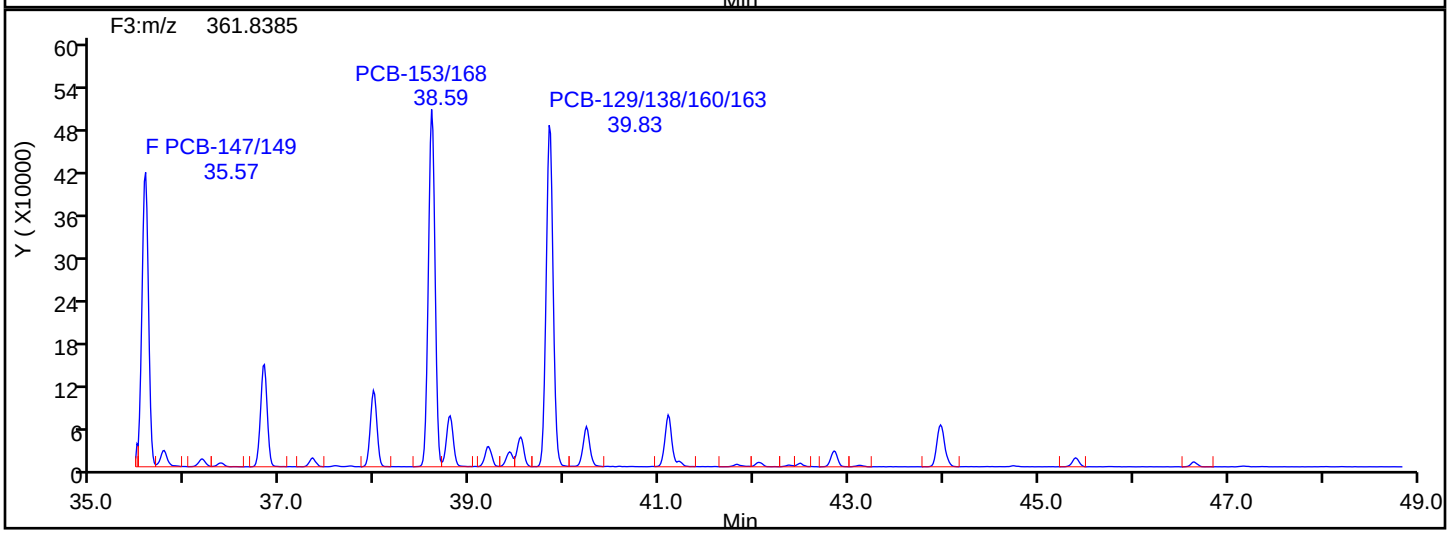



Eurofins TestAmerica, Knoxville

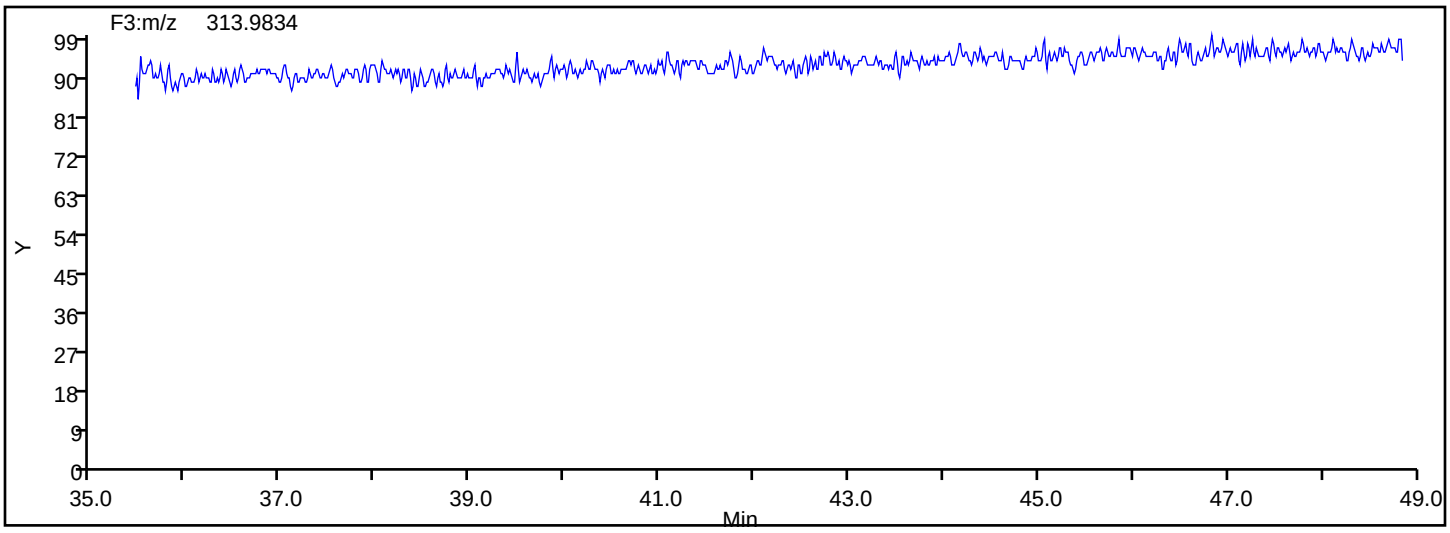
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

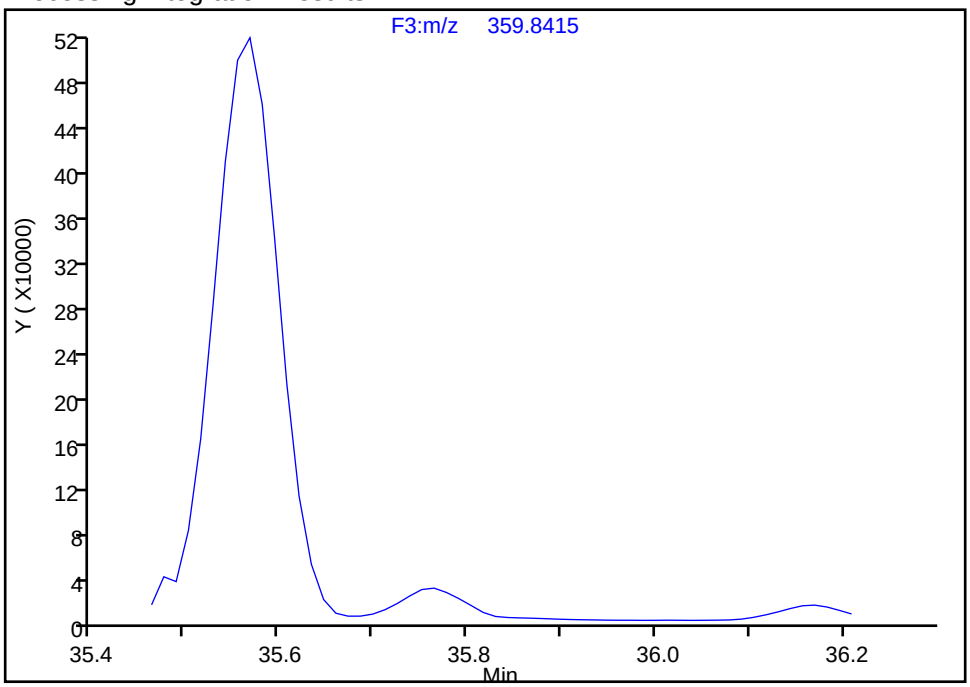
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

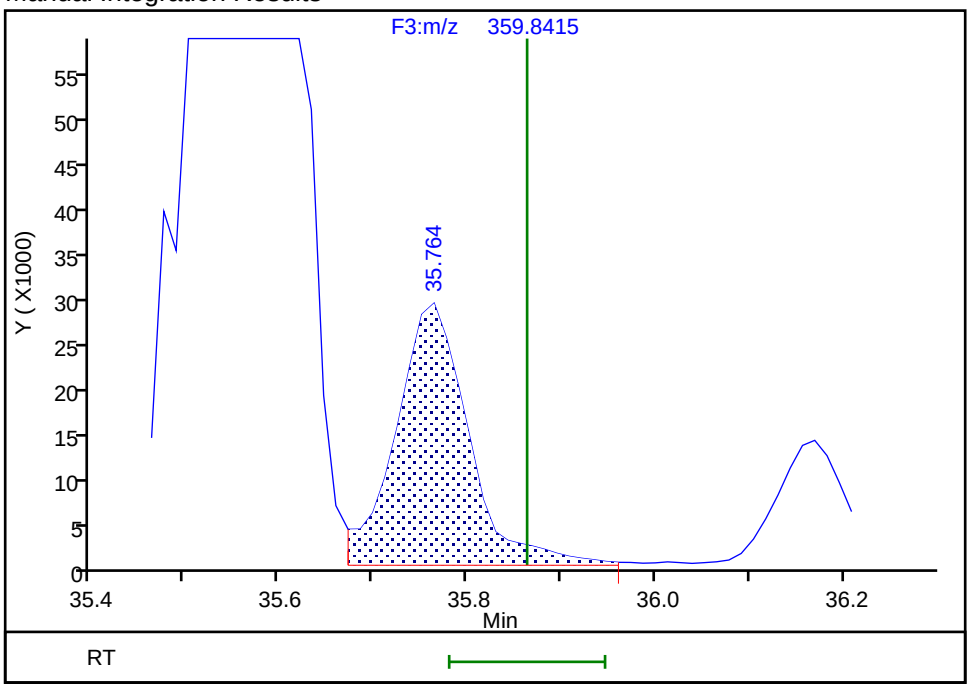
Not Detected
Expected RT: 35.86

Processing Integration Results




Manual Integration Results

RT: 35.76
Area: 154914
Amount: 16.242780
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:20:59
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

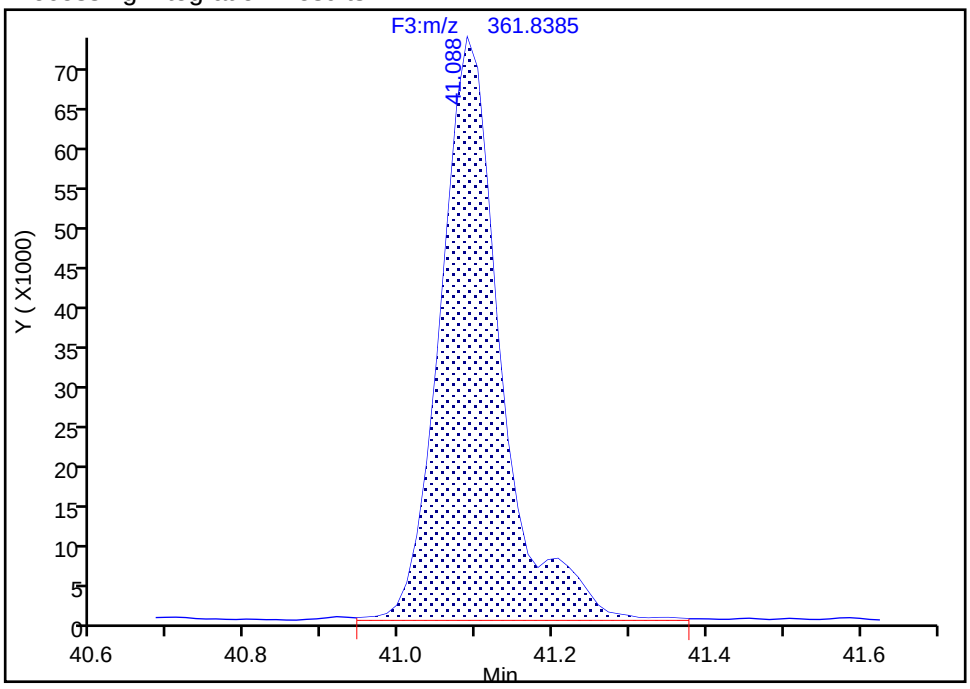
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

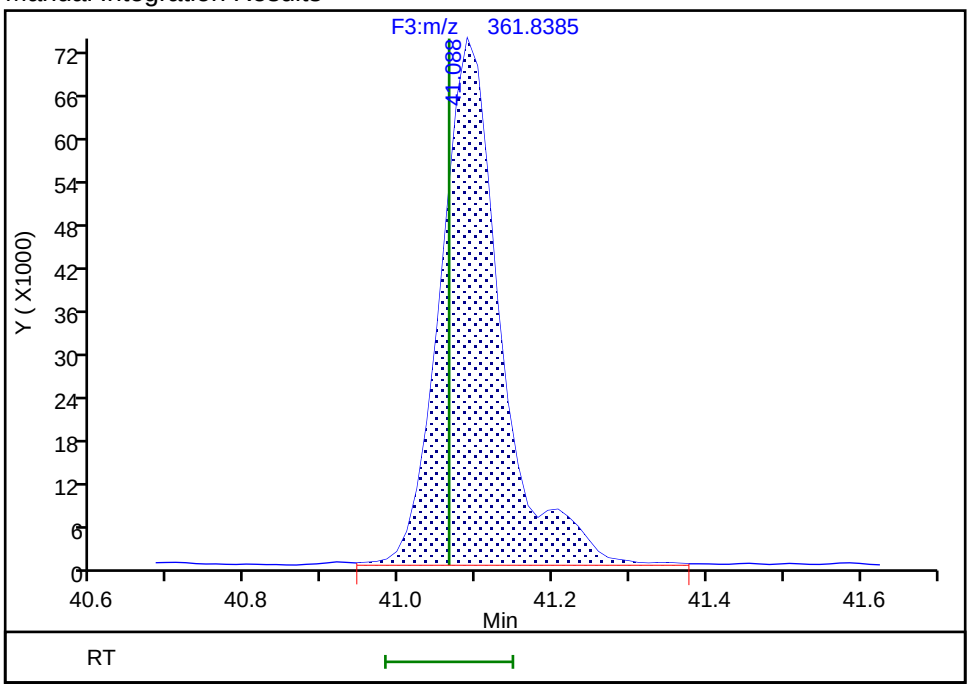
Processing Integration Results

RT: 41.09
Area: 399159
Amount: 38.372585
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 399159
Amount: 39.847084
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:21:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

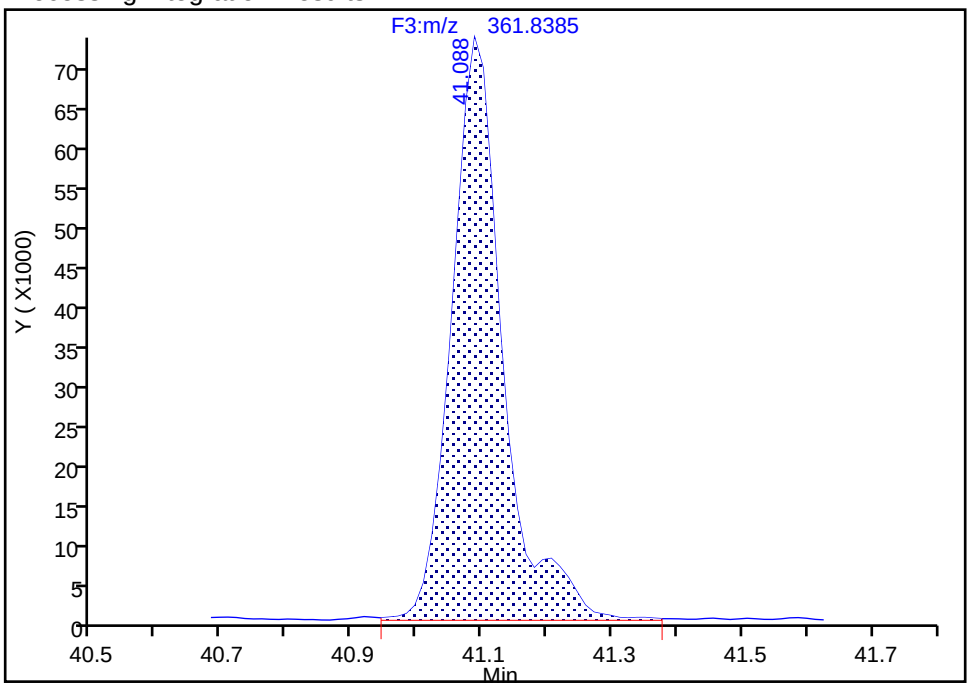
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 3

Processing Integration Results

RT: 41.09
Area: 859734
Amount: 38.372585
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 892770
Amount: 39.847084
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:21:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

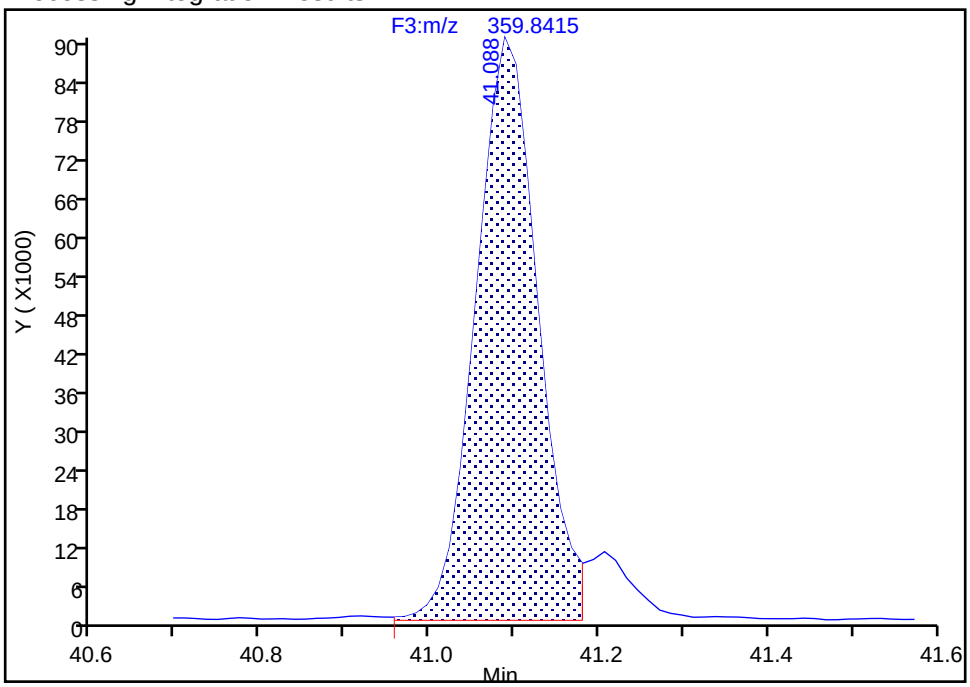
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

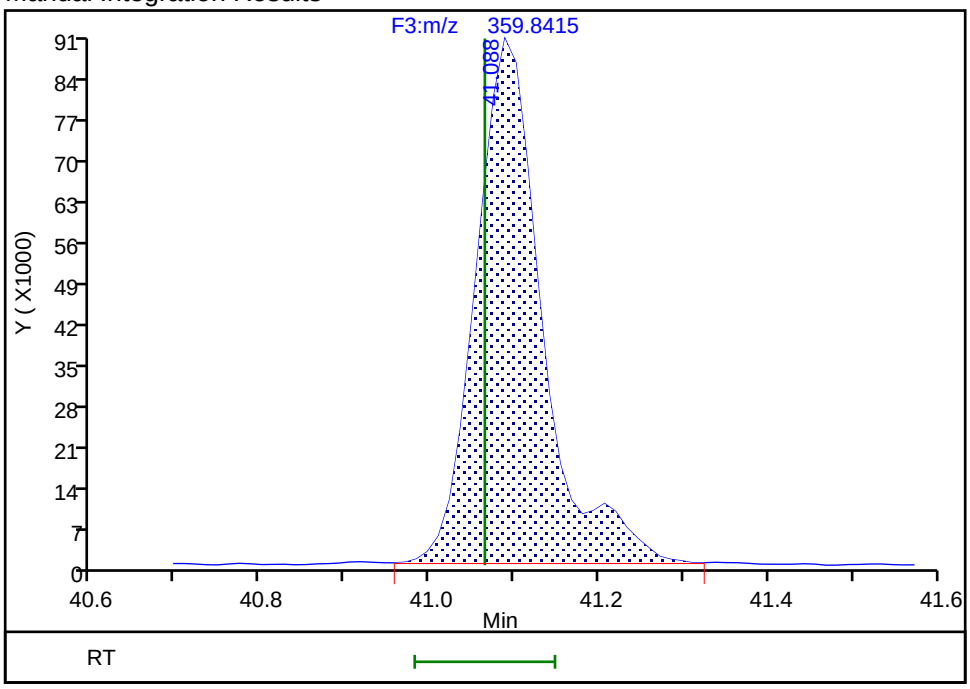
Processing Integration Results

RT: 41.09
Area: 460575
Amount: 38.372585
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 493611
Amount: 39.847084
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:21:34

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

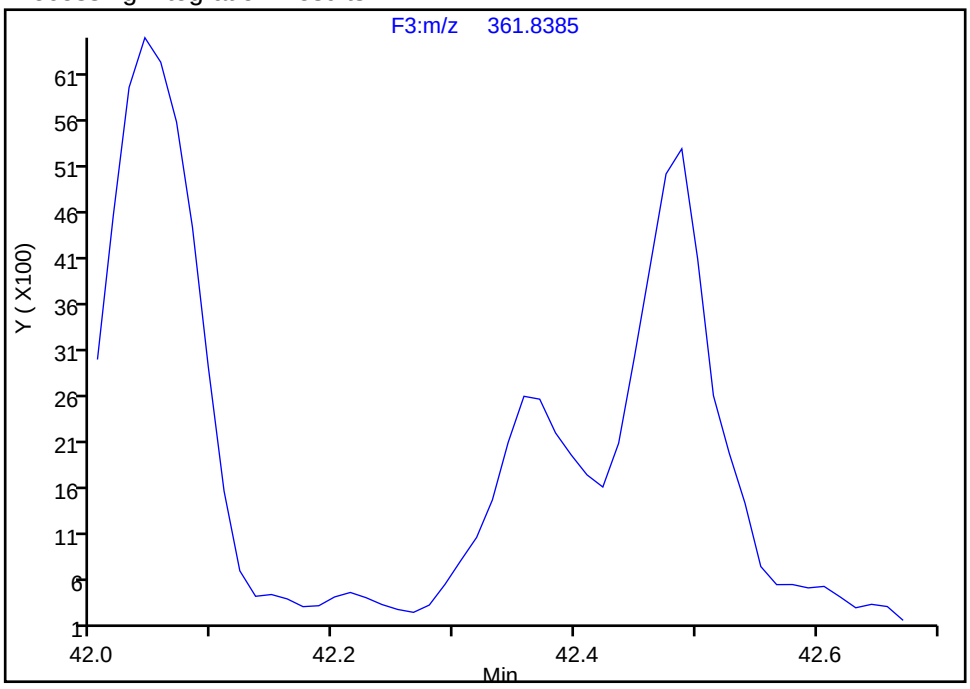
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

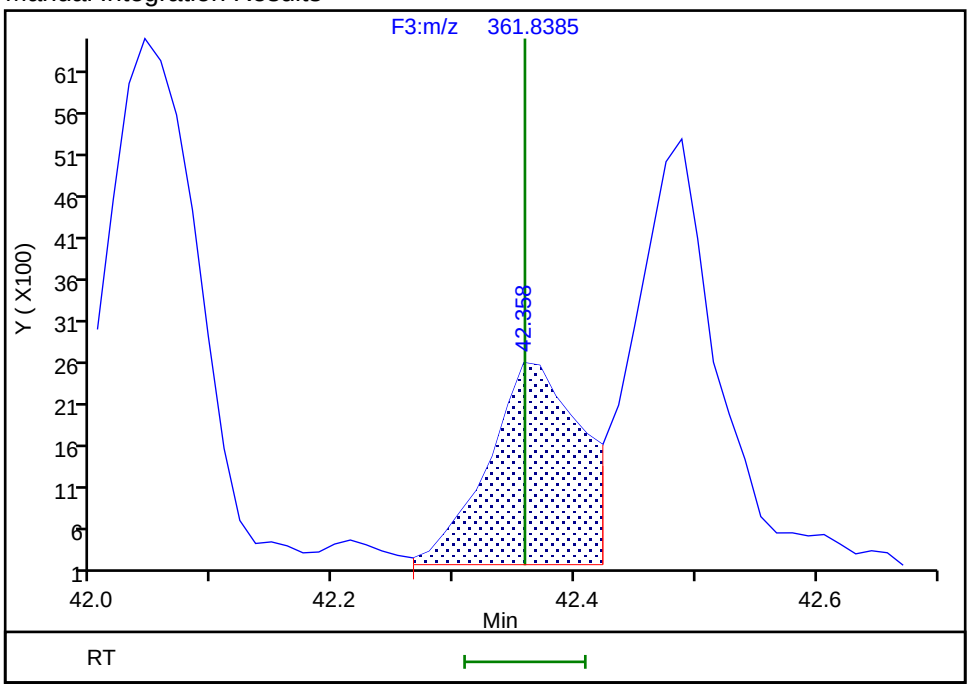
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.36
Area: 12593
Amount: 0.990295
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:21:57
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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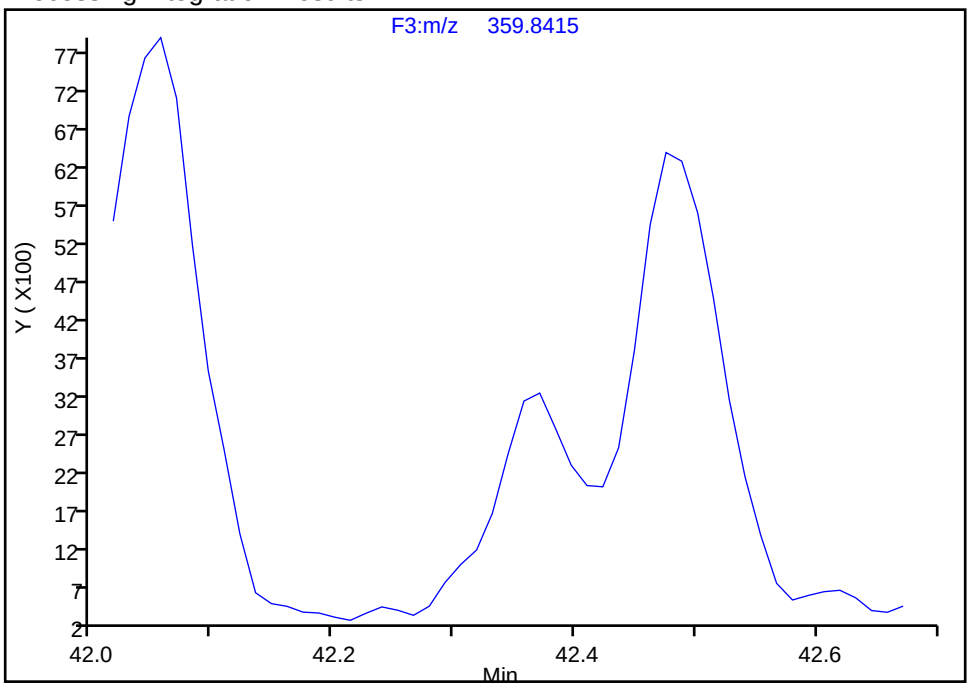
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

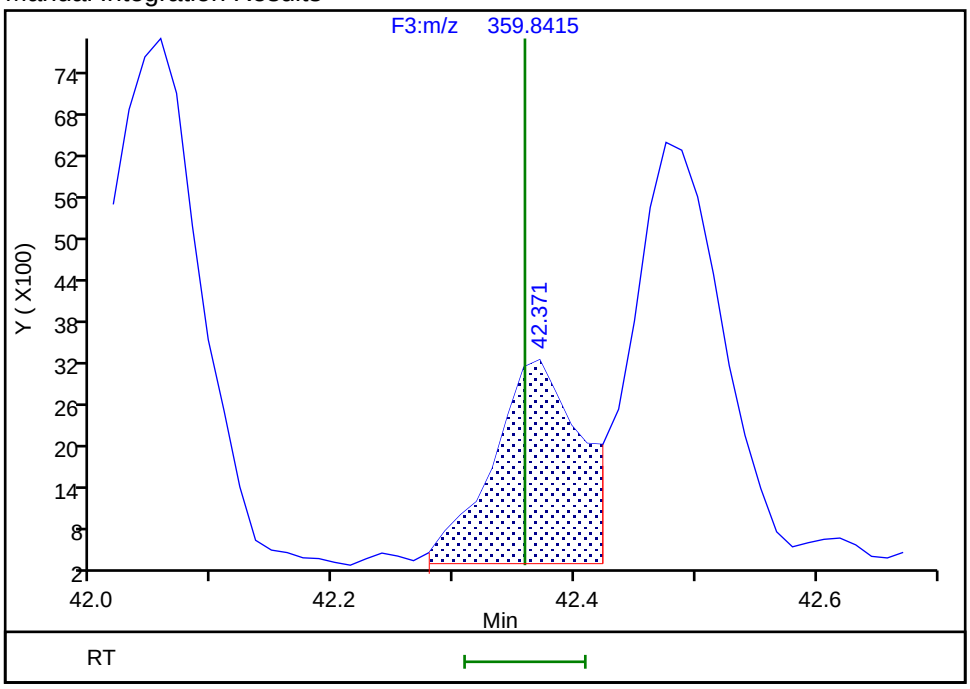
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.37
Area: 14479
Amount: 0.990295
Amount Units: pg/ul

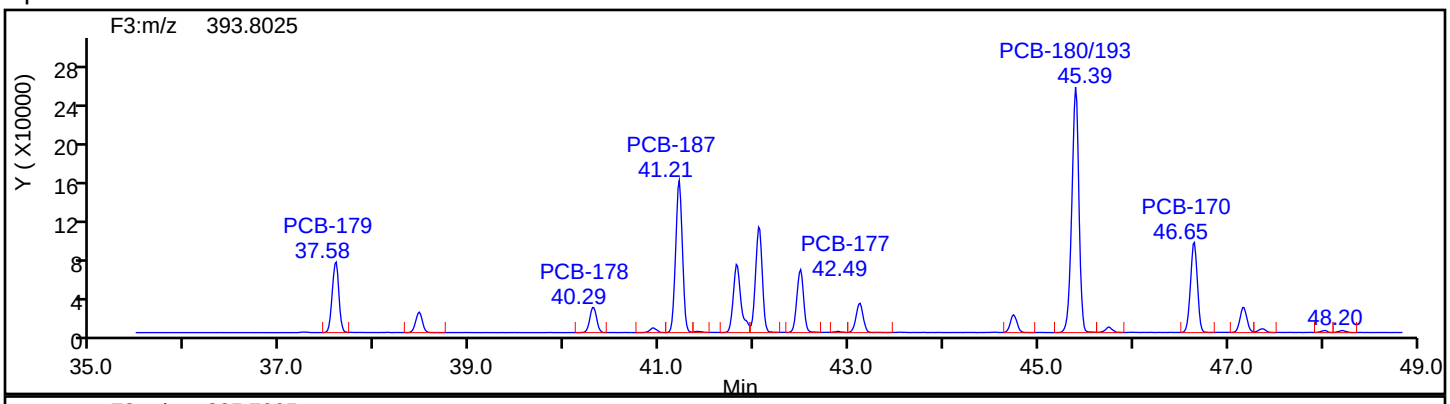


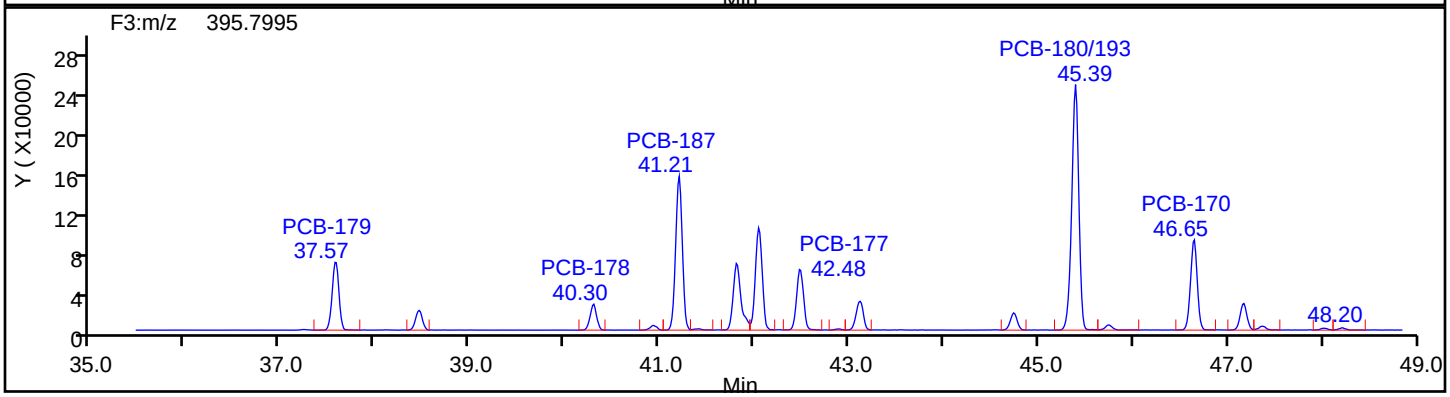

Reviewer: mcwhirterl, 03-Oct-2019 23:22:01
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

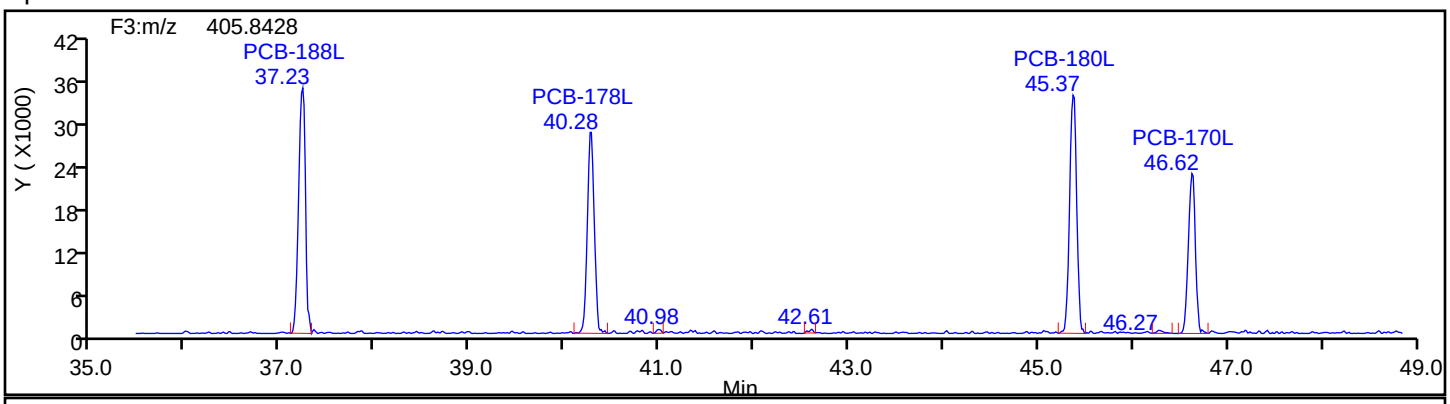
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

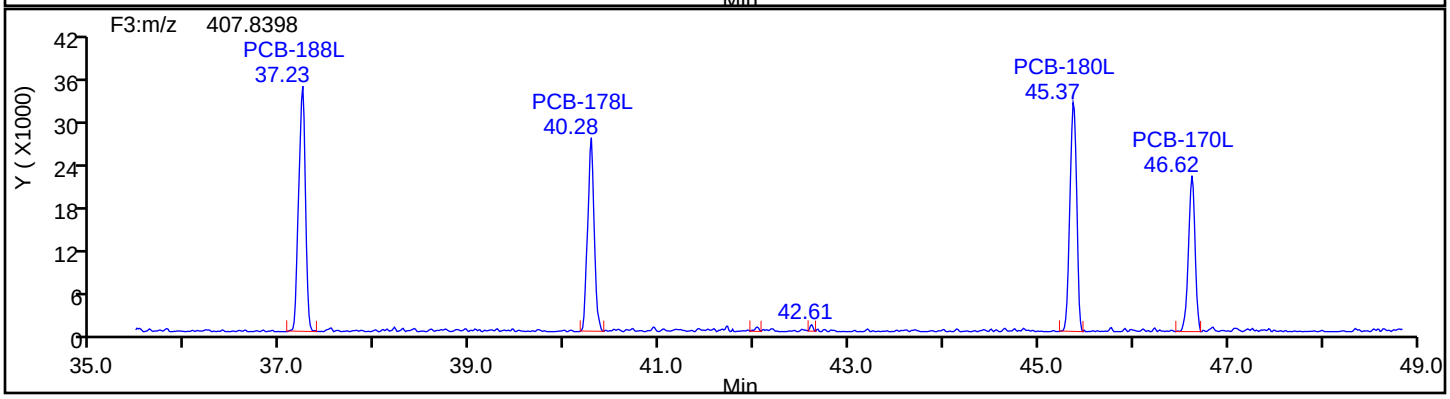
HpPCB F3




HpPCB F3 Standards

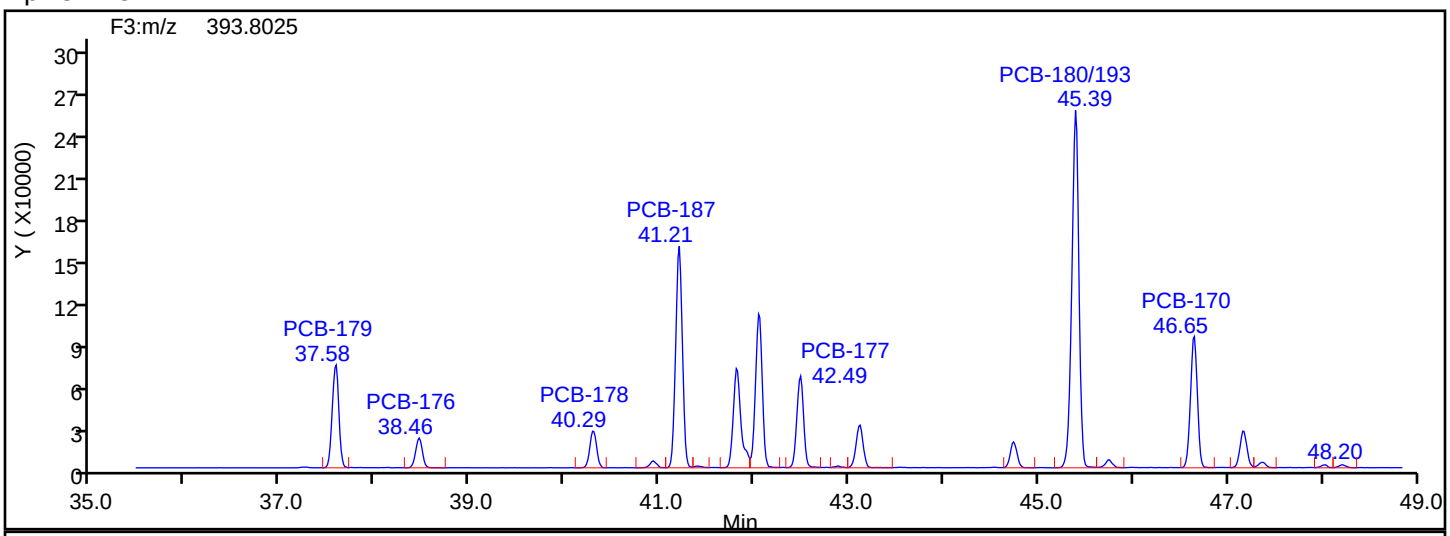


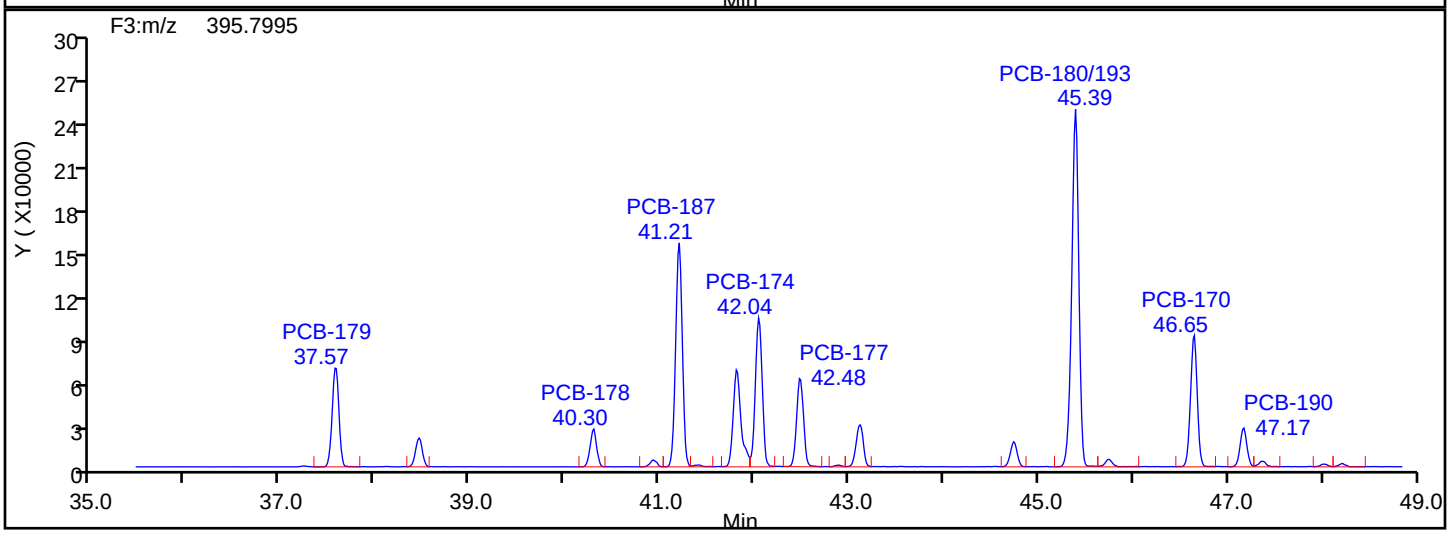



Eurofins TestAmerica, Knoxville

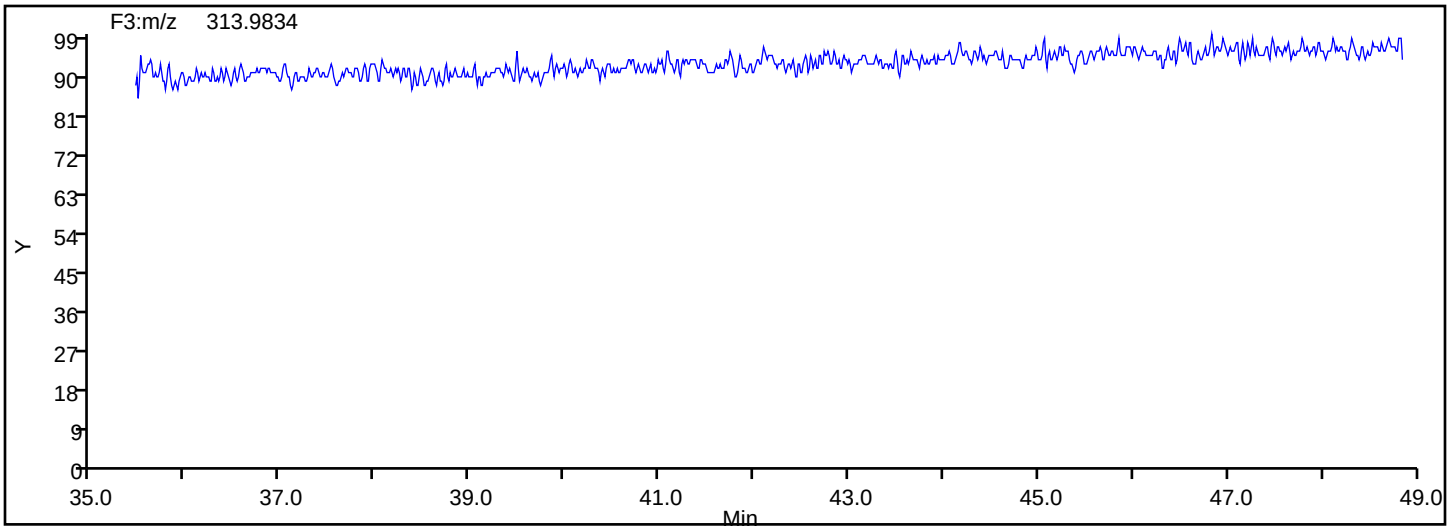
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



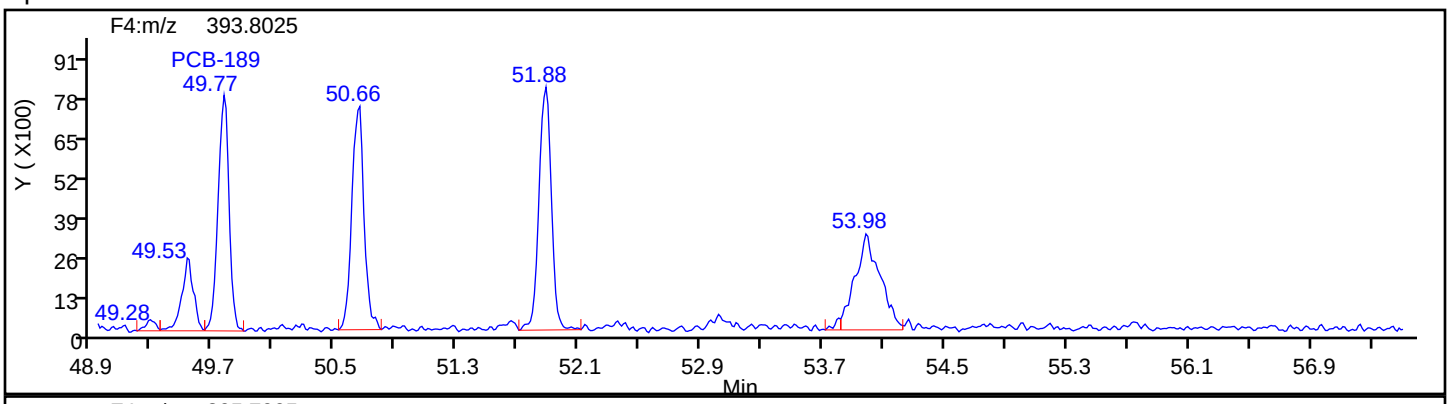

HpPCB F3 Lock Mass

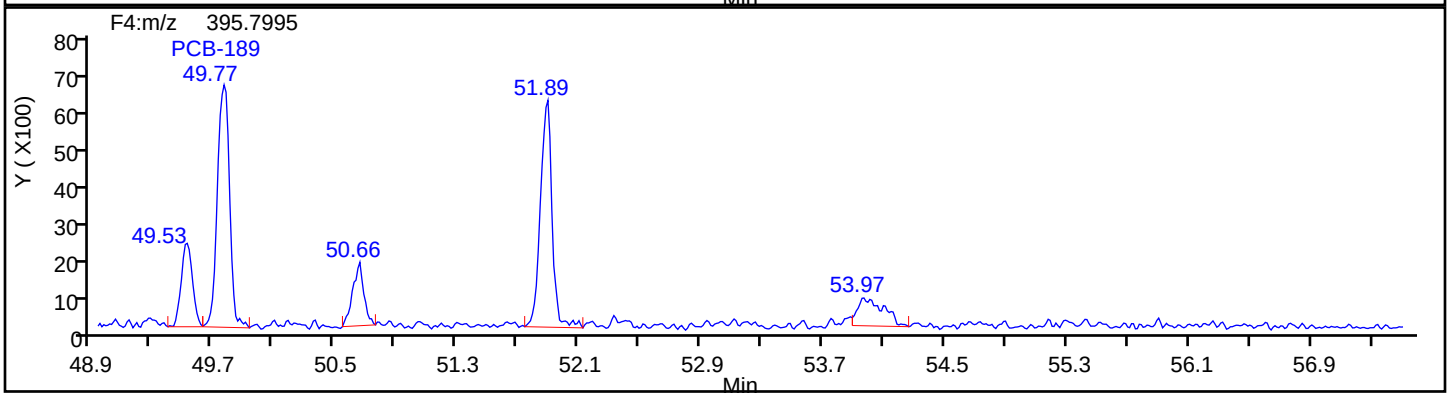


Eurofins TestAmerica, Knoxville

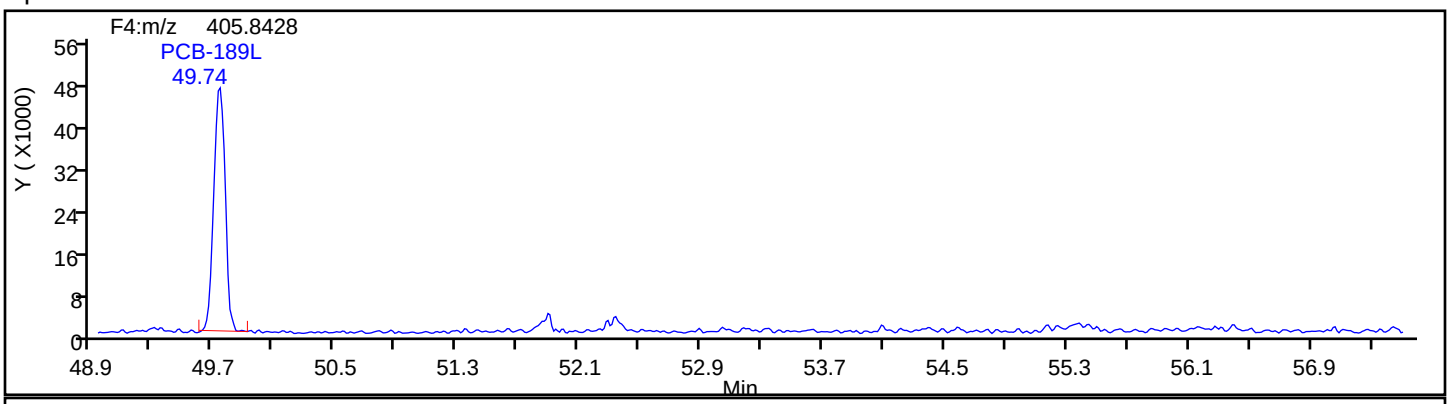
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

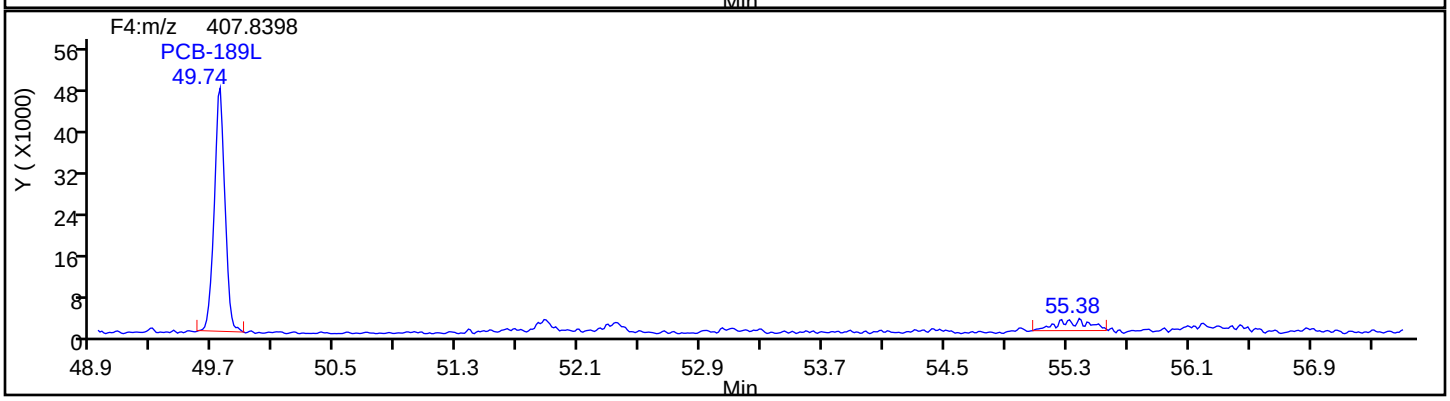
HpPCB F4




HpPCB F4 Standards

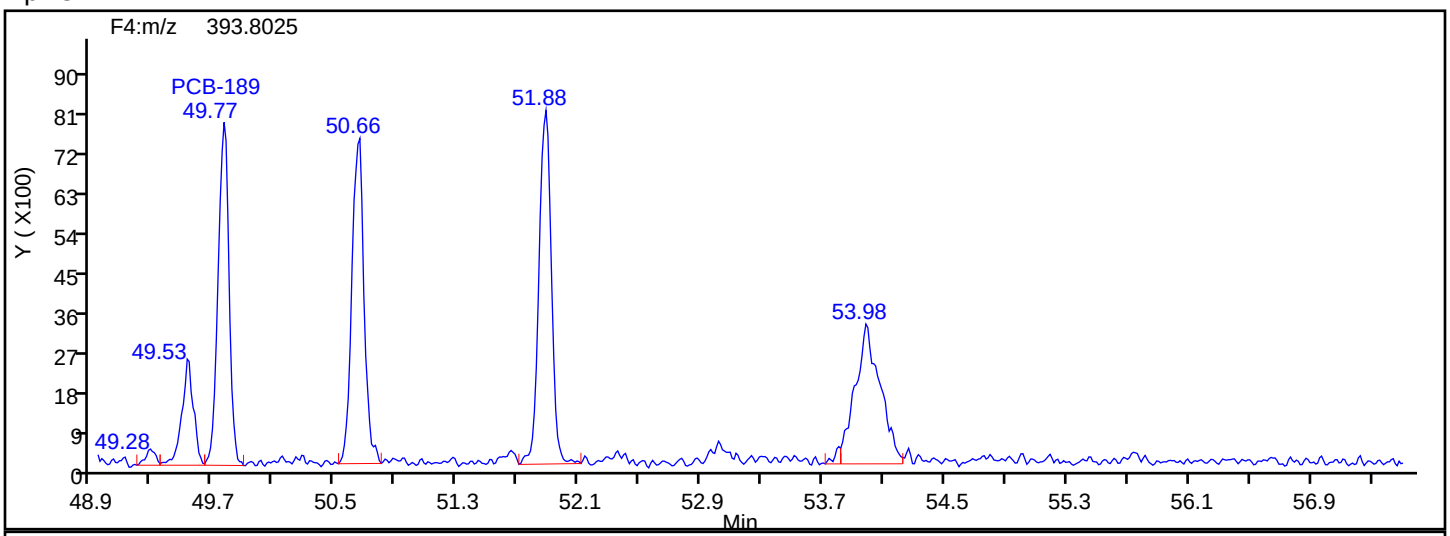


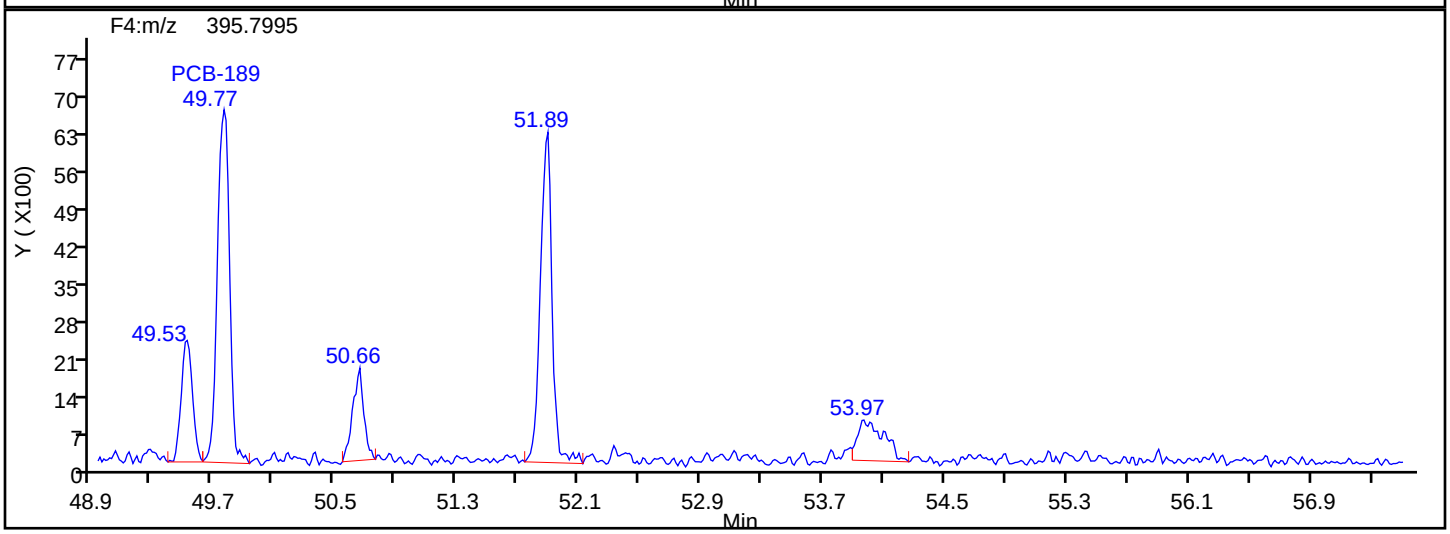



Eurofins TestAmerica, Knoxville

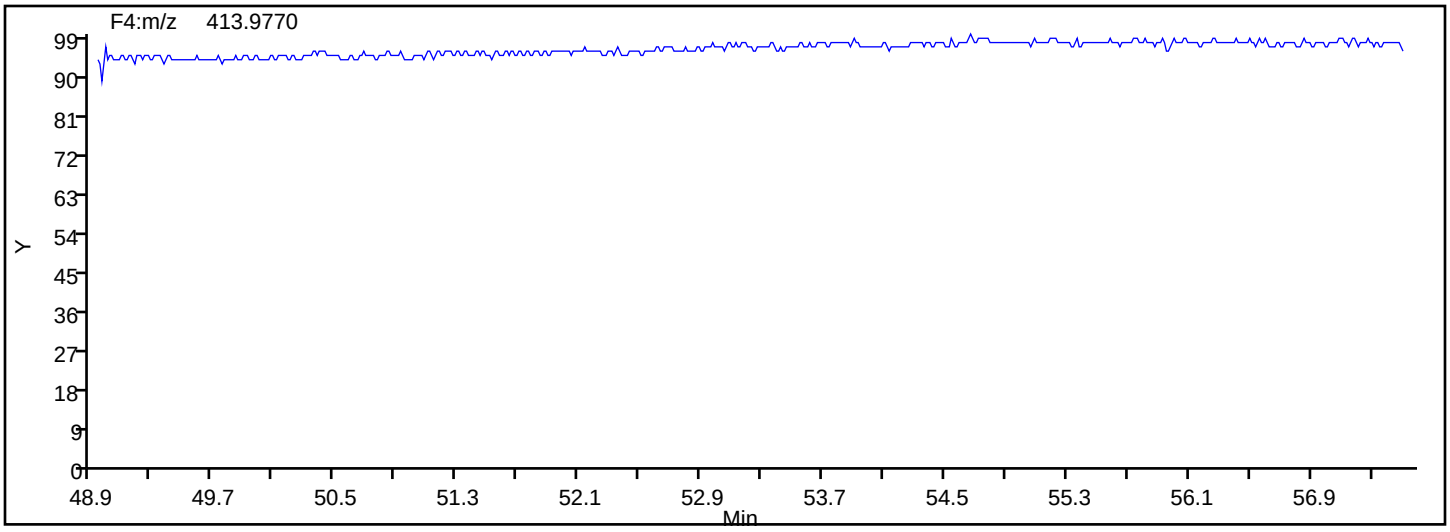
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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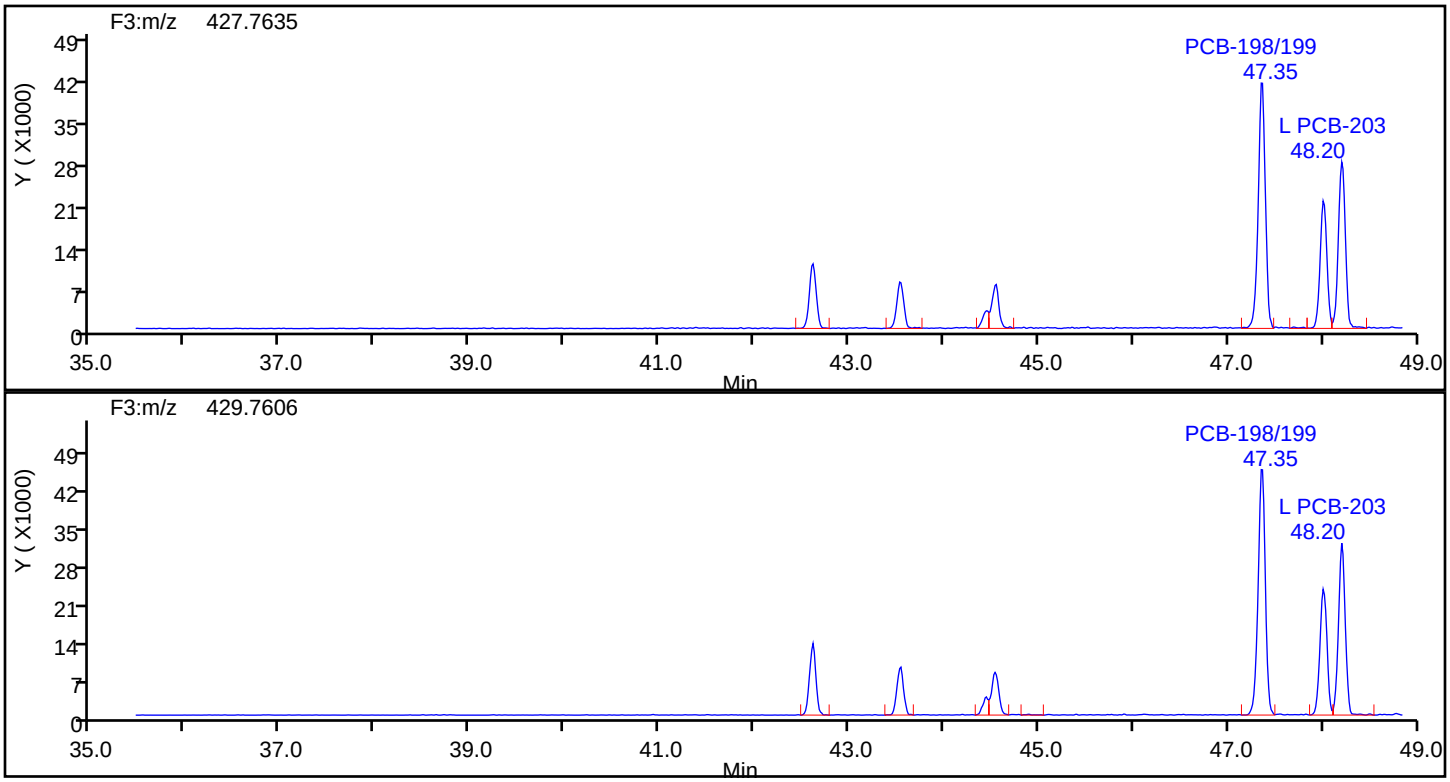
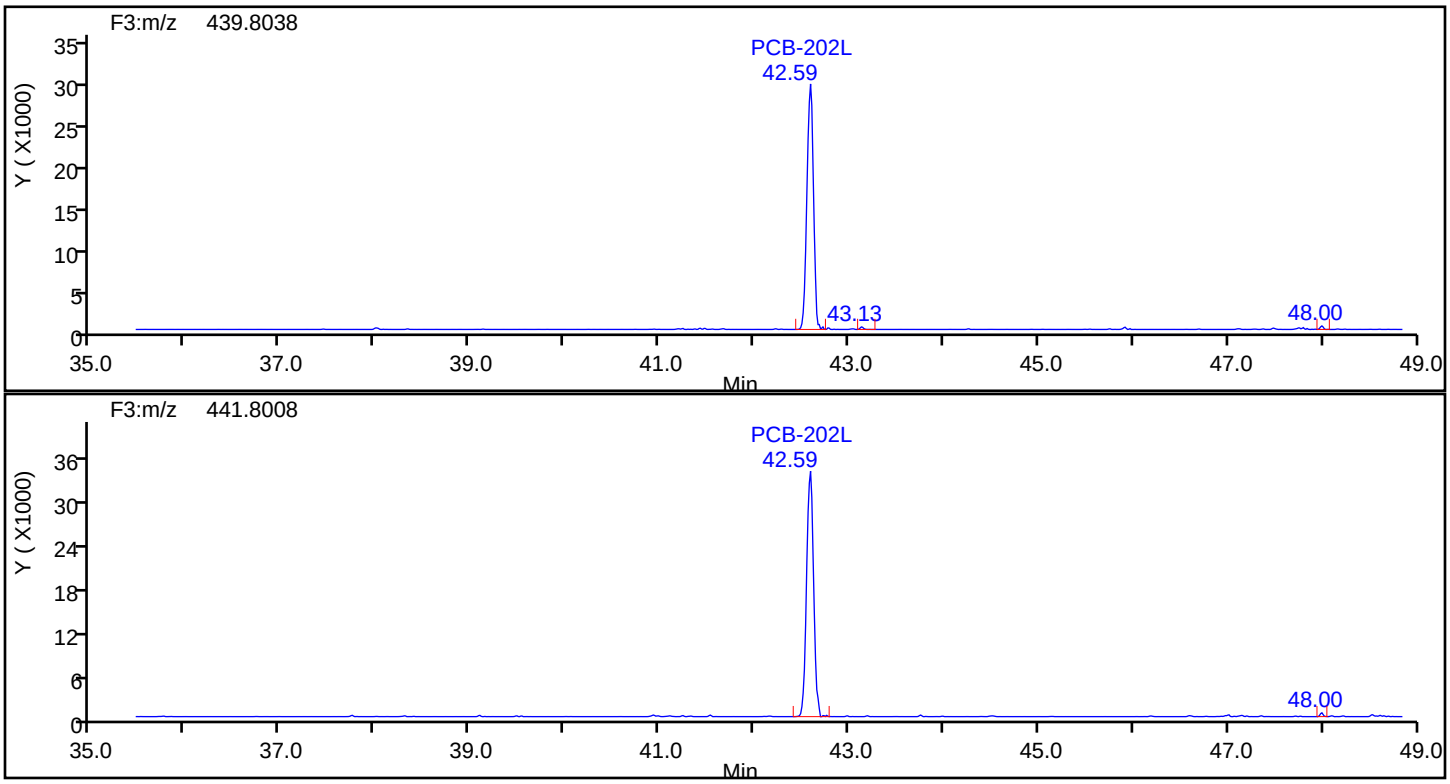
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



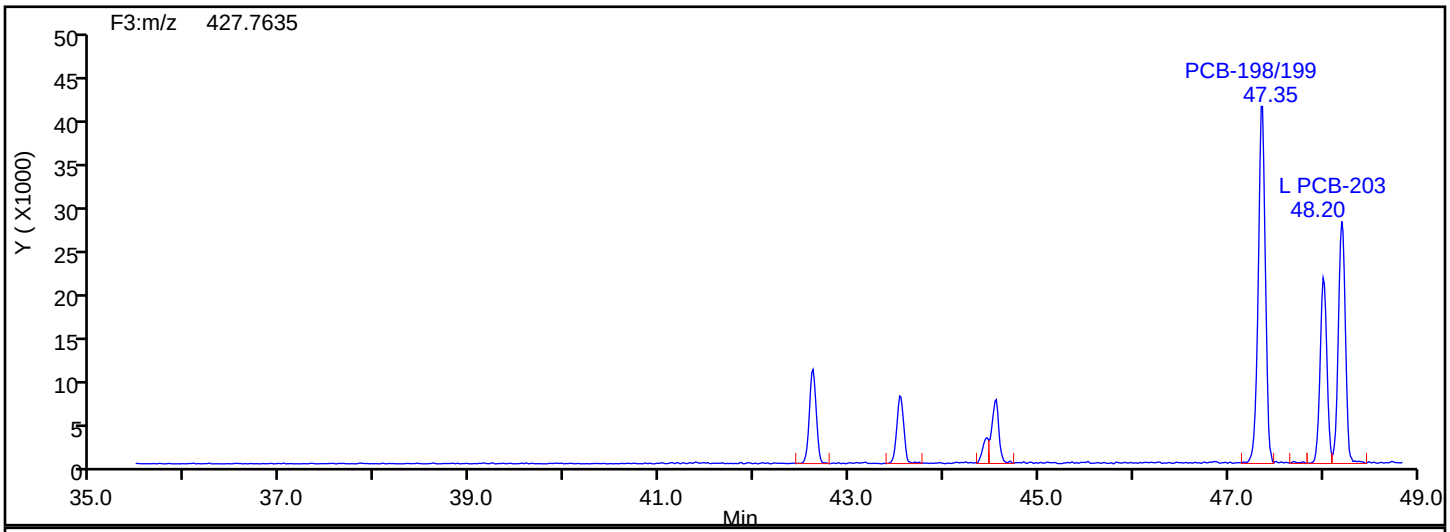

OcPCB F3 Standards

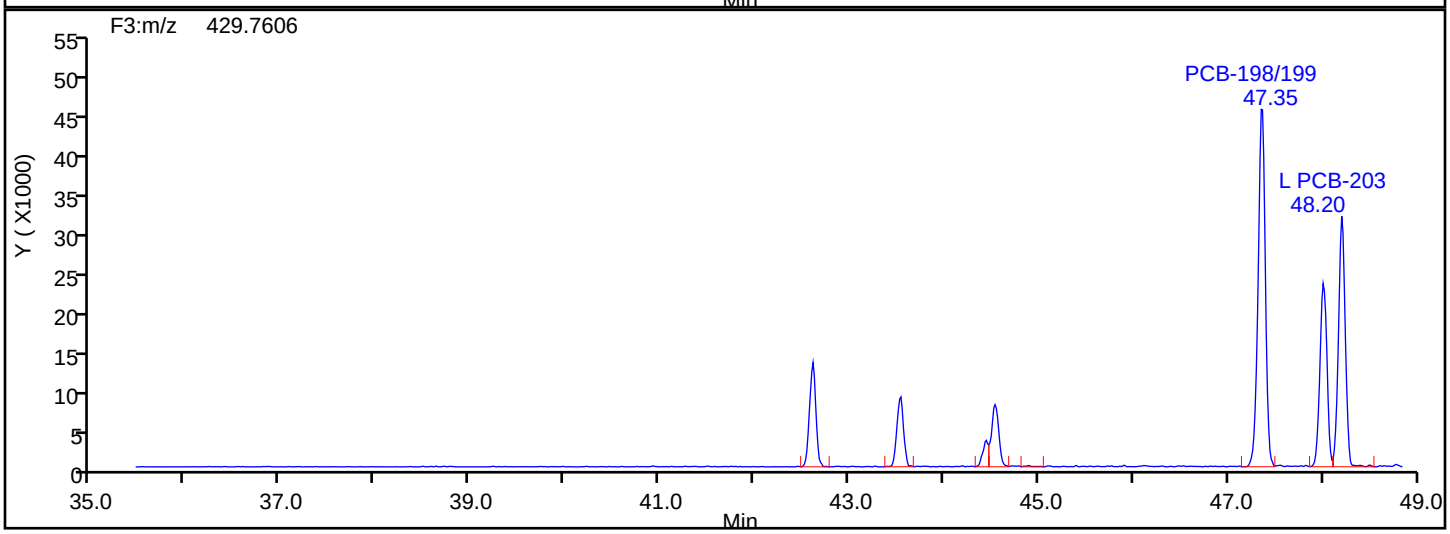


Eurofins TestAmerica, Knoxville

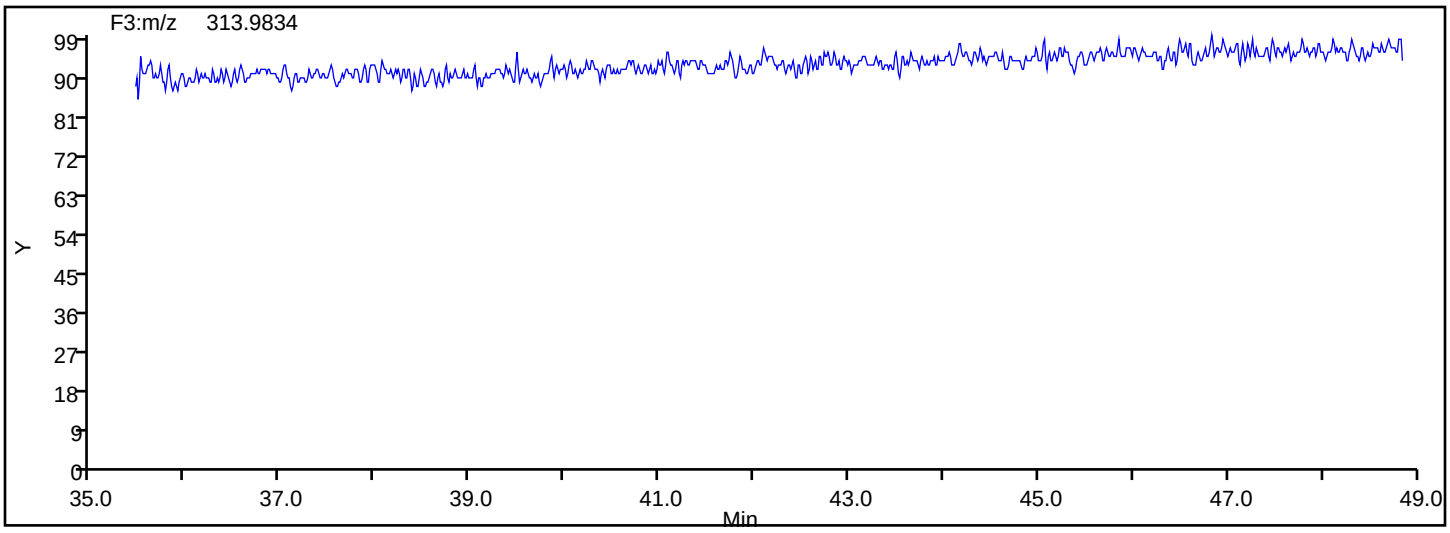
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass

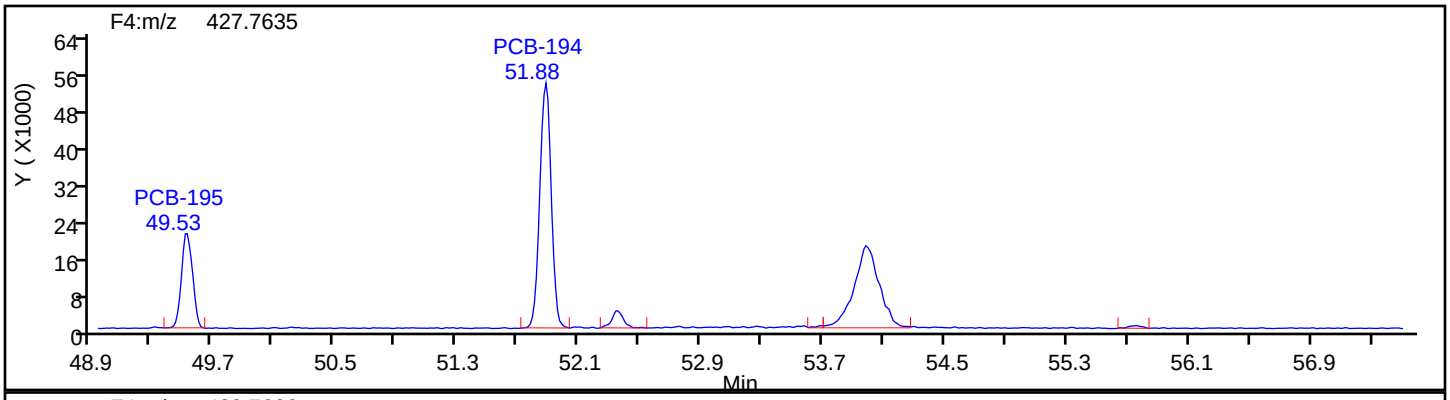


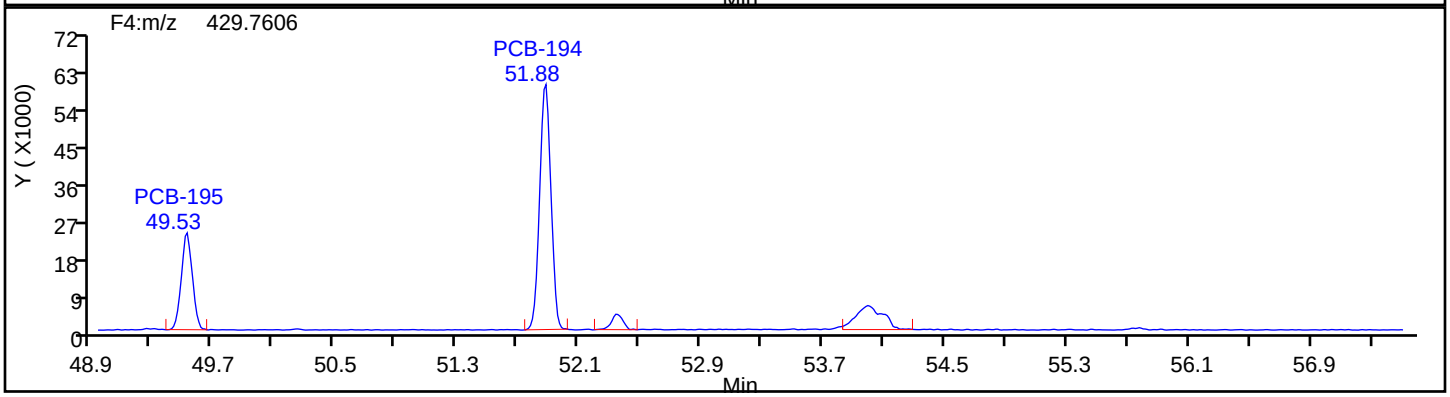
Report Date: 04-Oct-2019 01:32:10 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

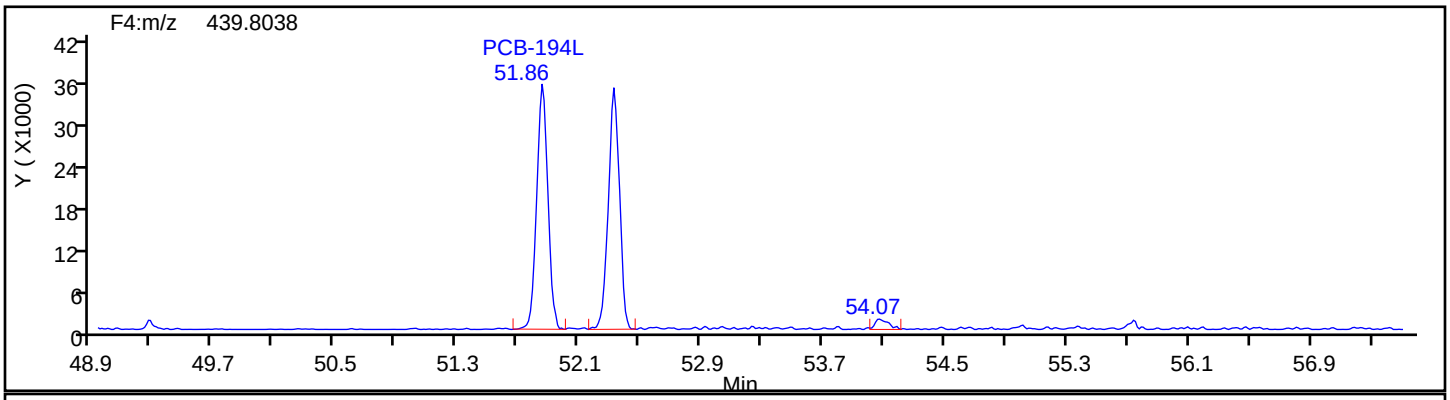
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

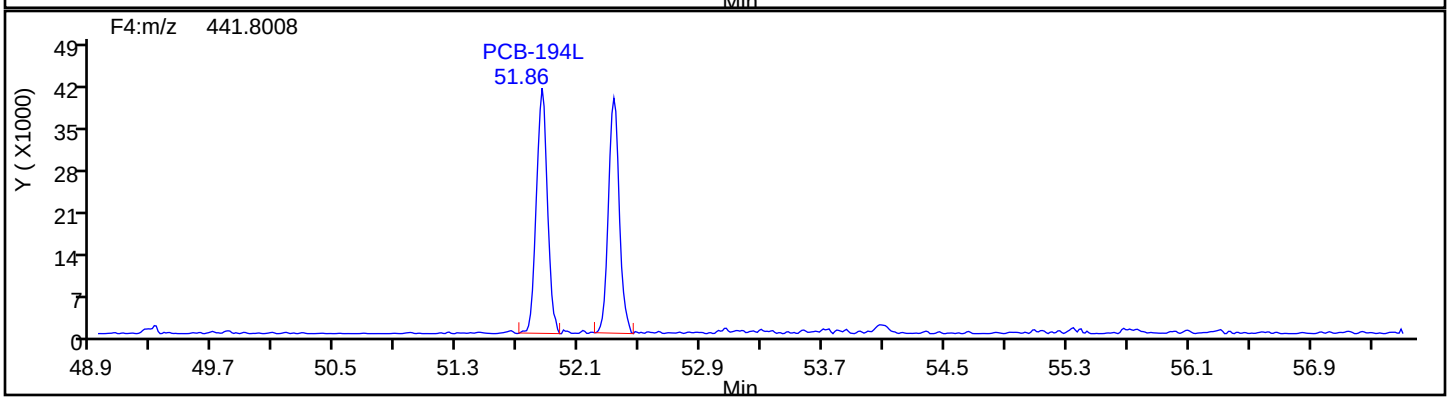
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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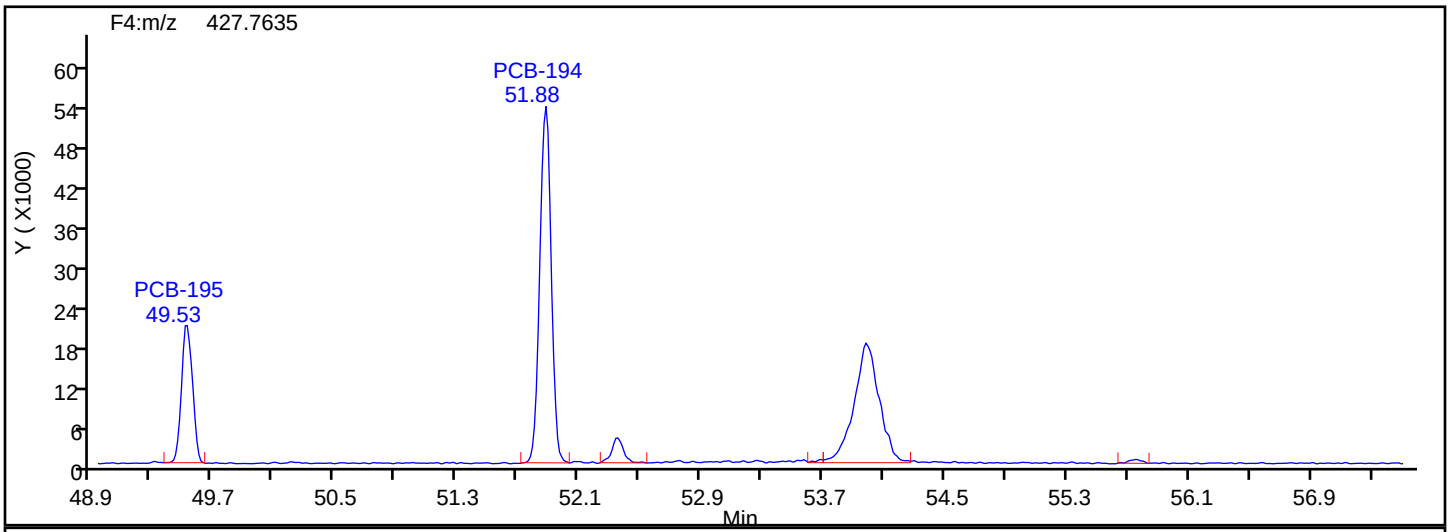
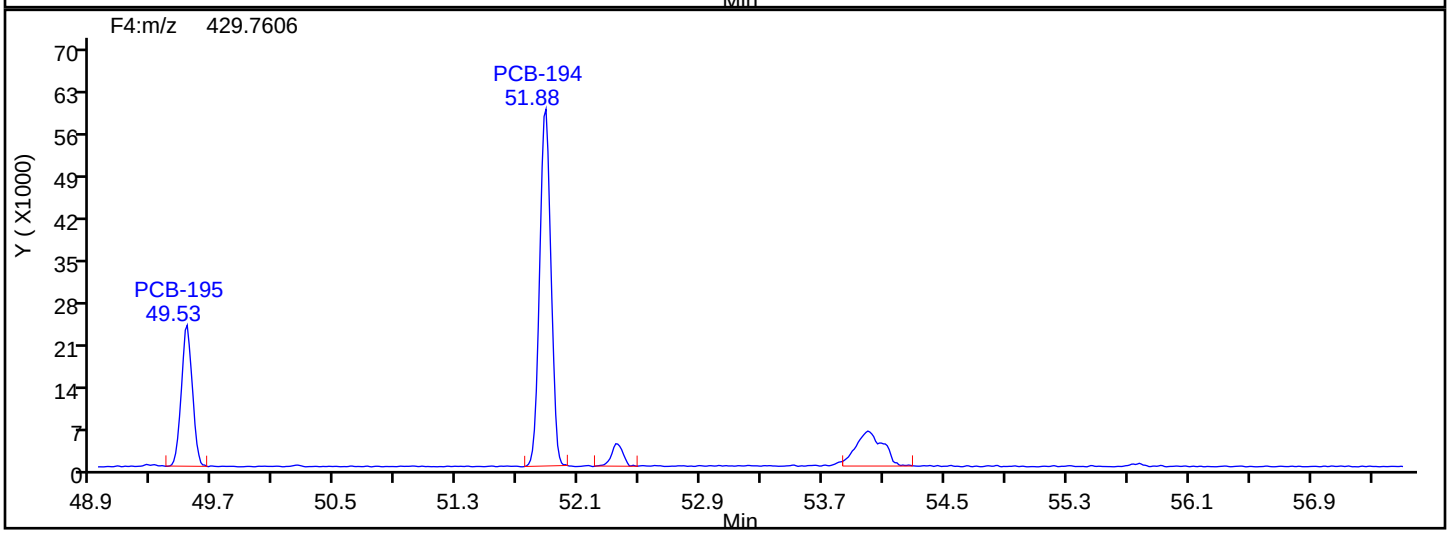
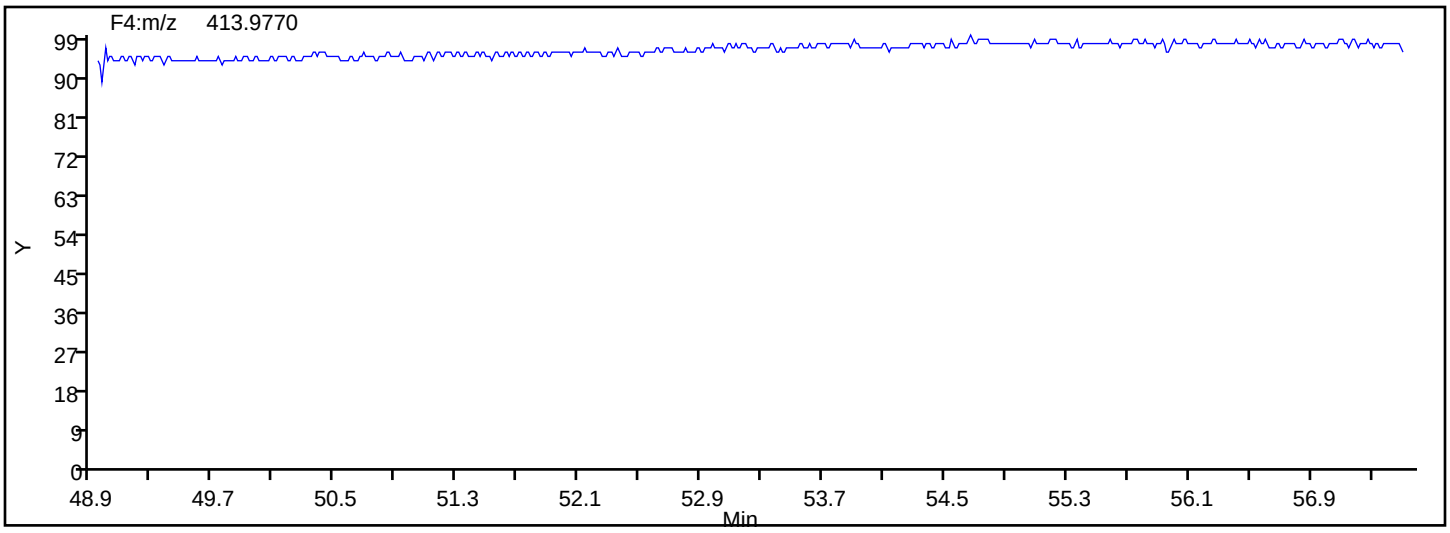
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Report Date: 04-Oct-2019 01:32:10 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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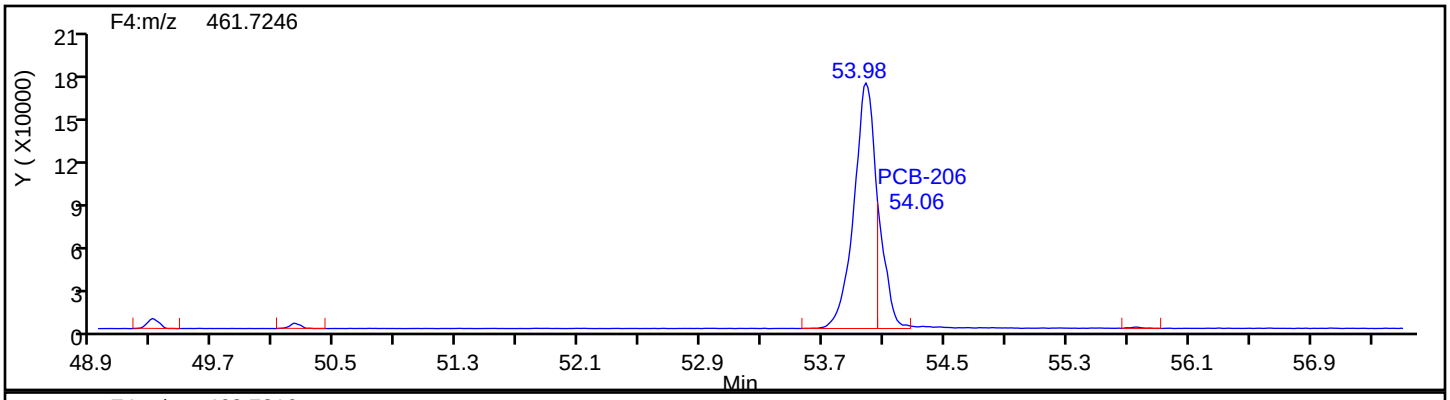
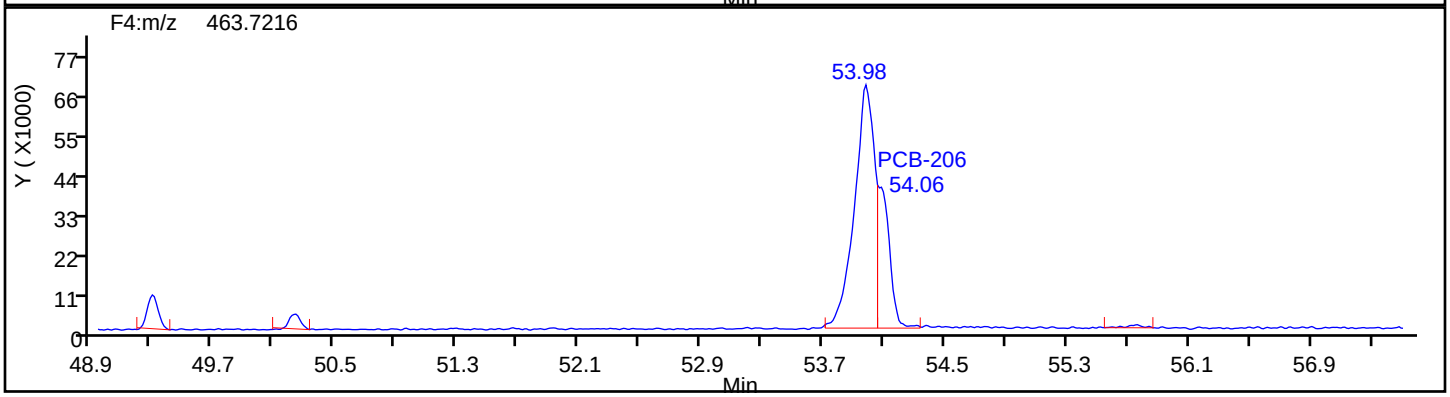
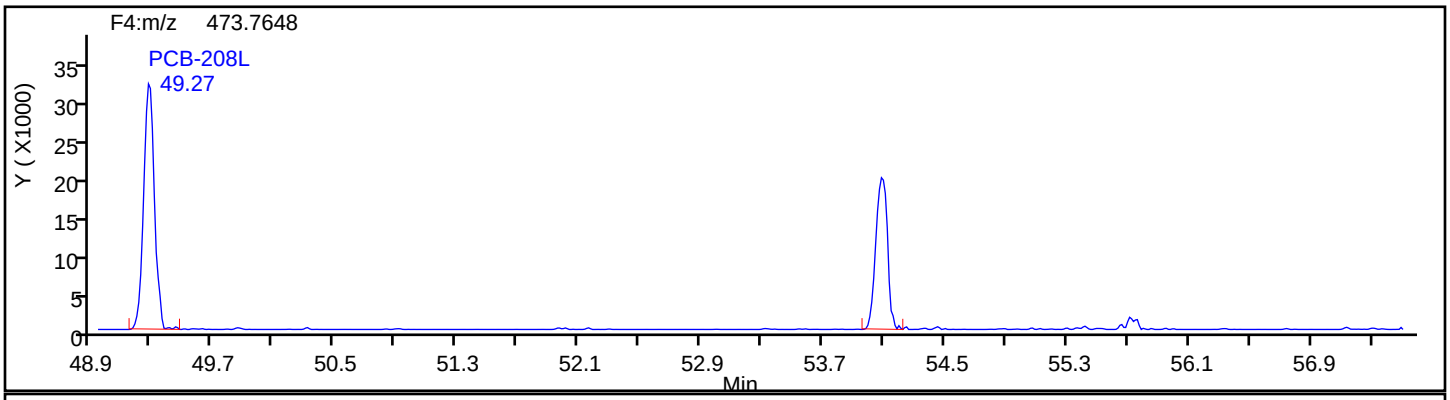
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

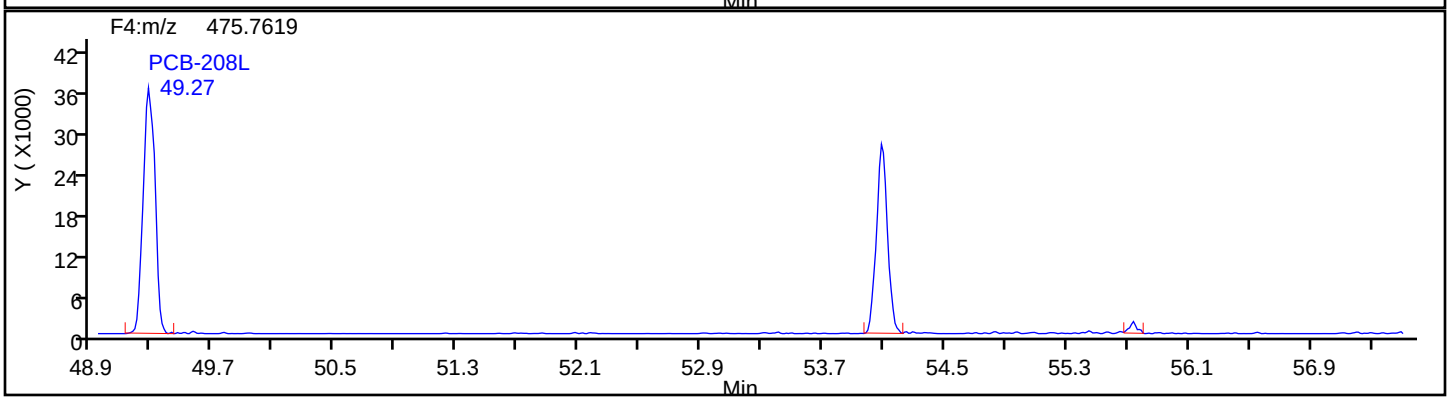
NoPCB F4




NoPCB F4 Standards

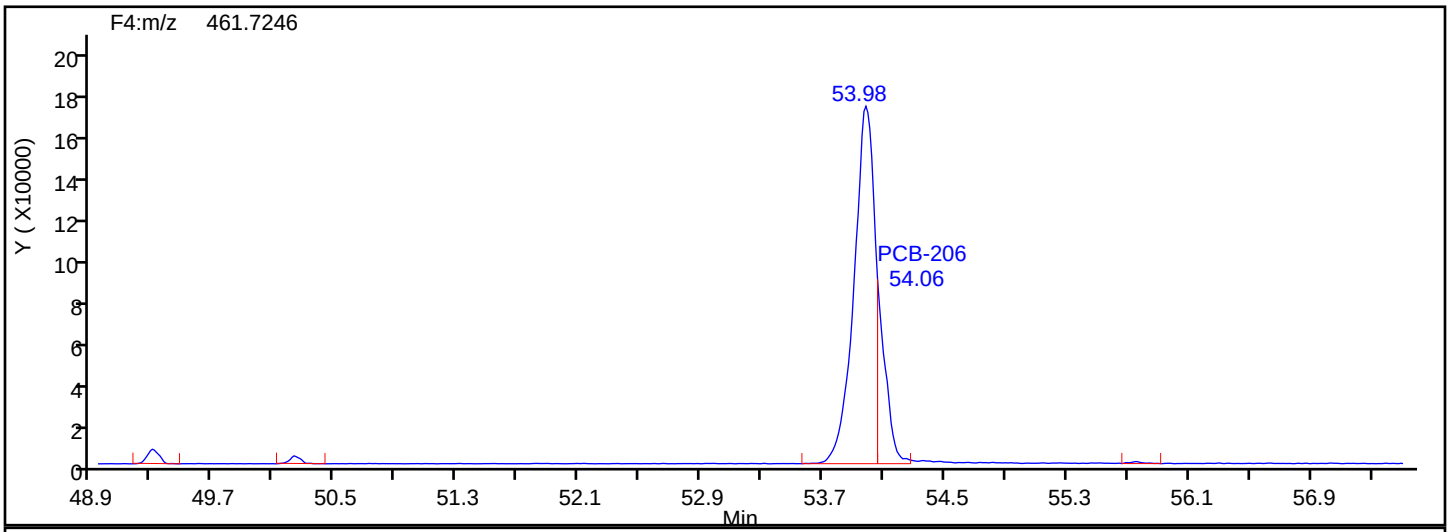


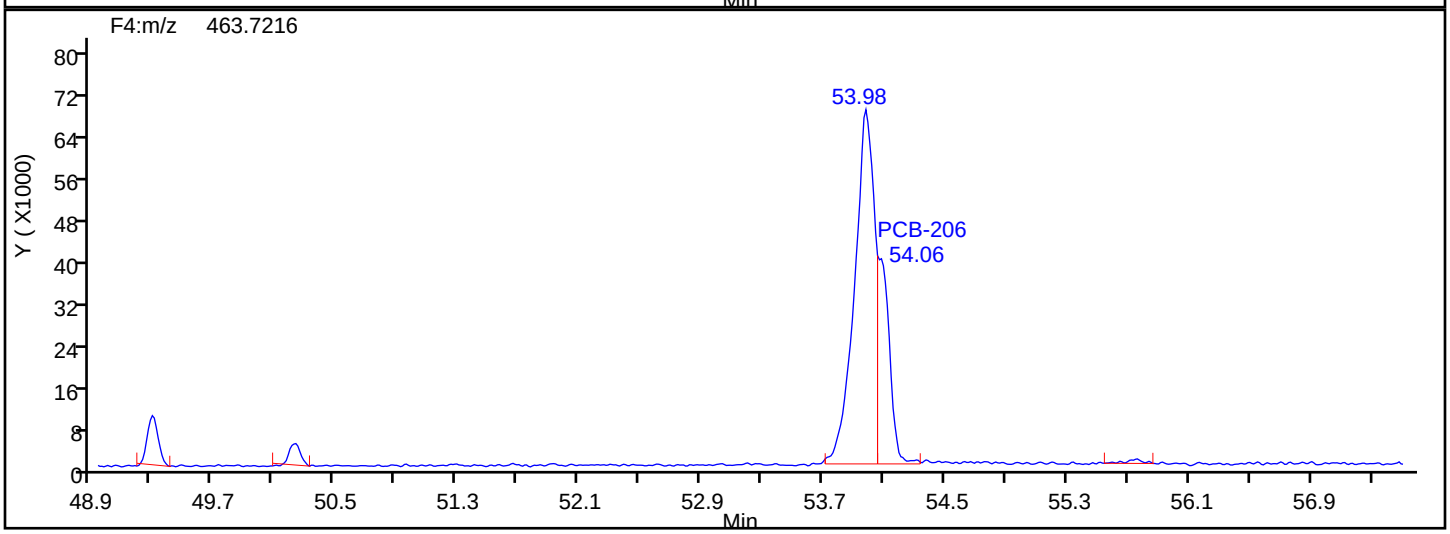



Eurofins TestAmerica, Knoxville

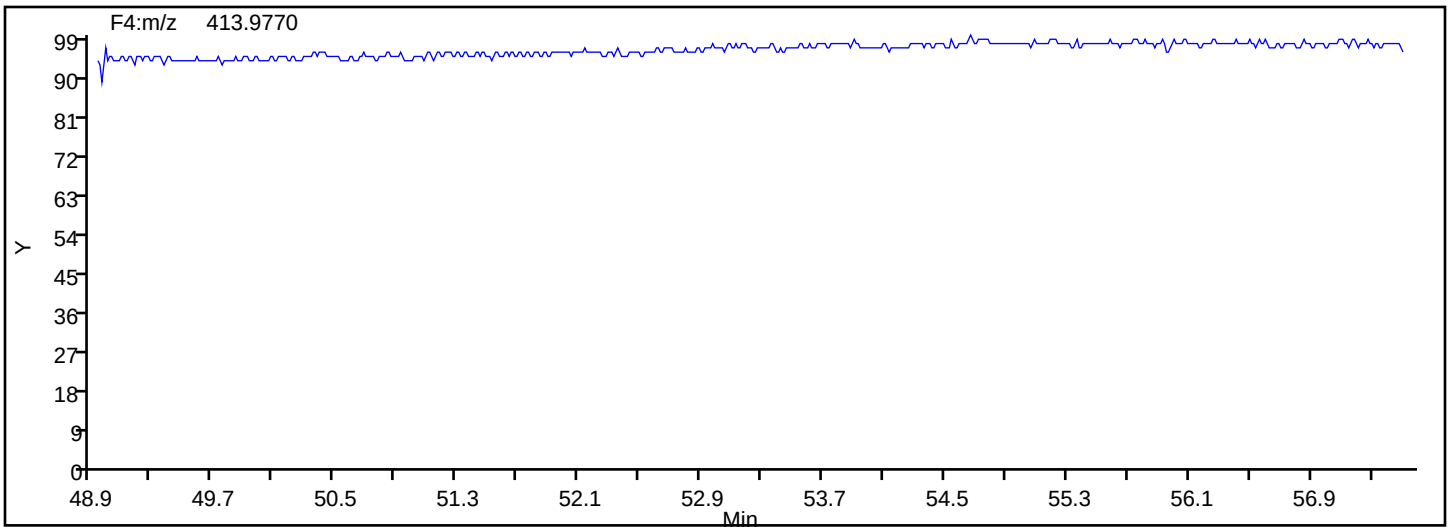
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

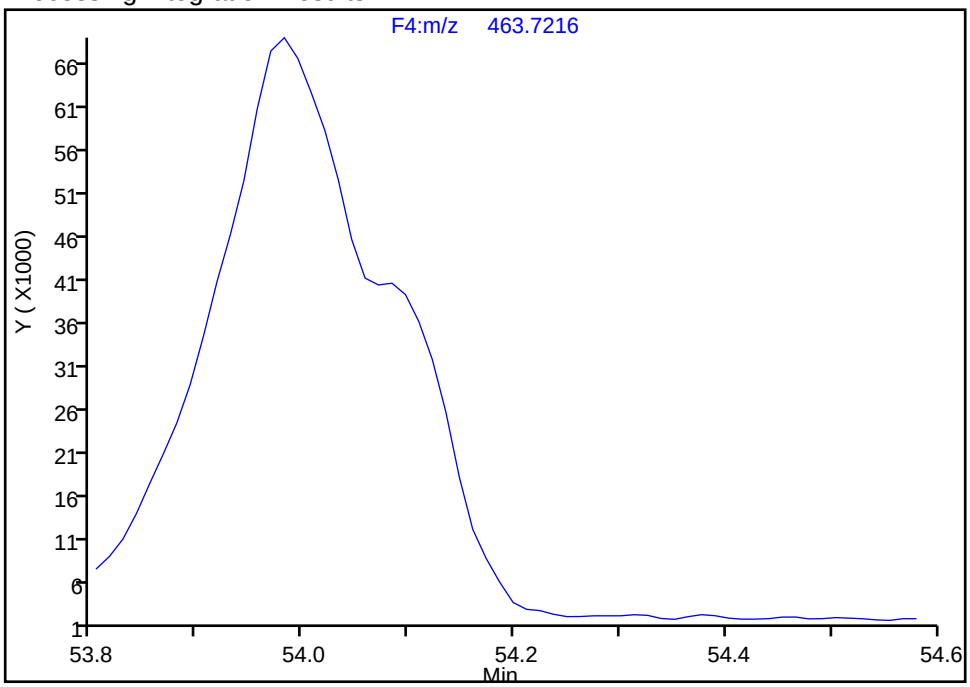
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

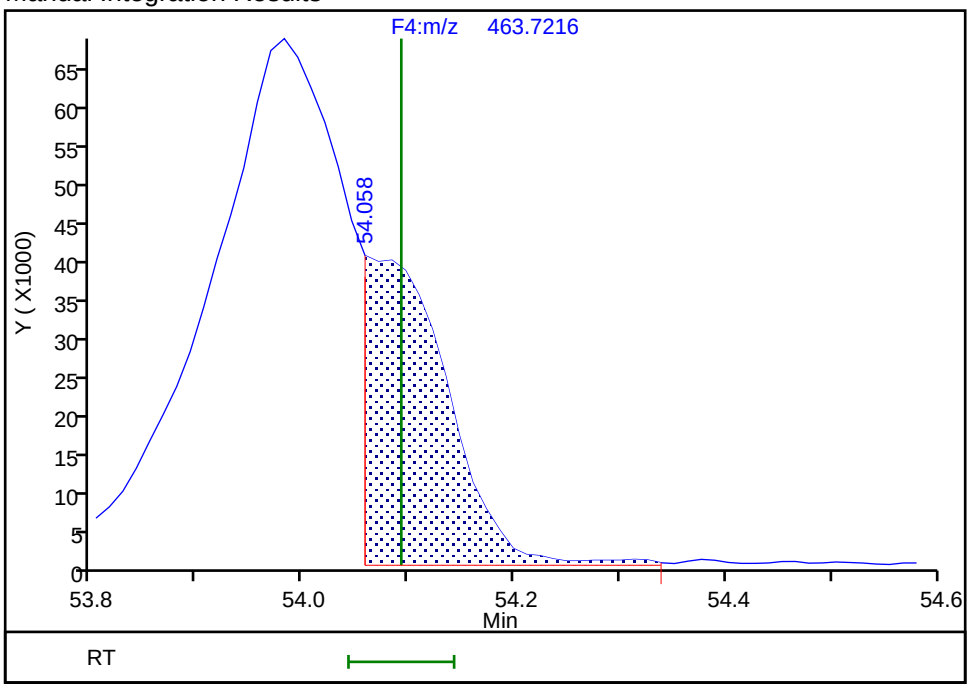
Not Detected
Expected RT: 54.09

Processing Integration Results




Manual Integration Results

RT: 54.06
Area: 209671
Amount: 35.493831
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:23:13
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

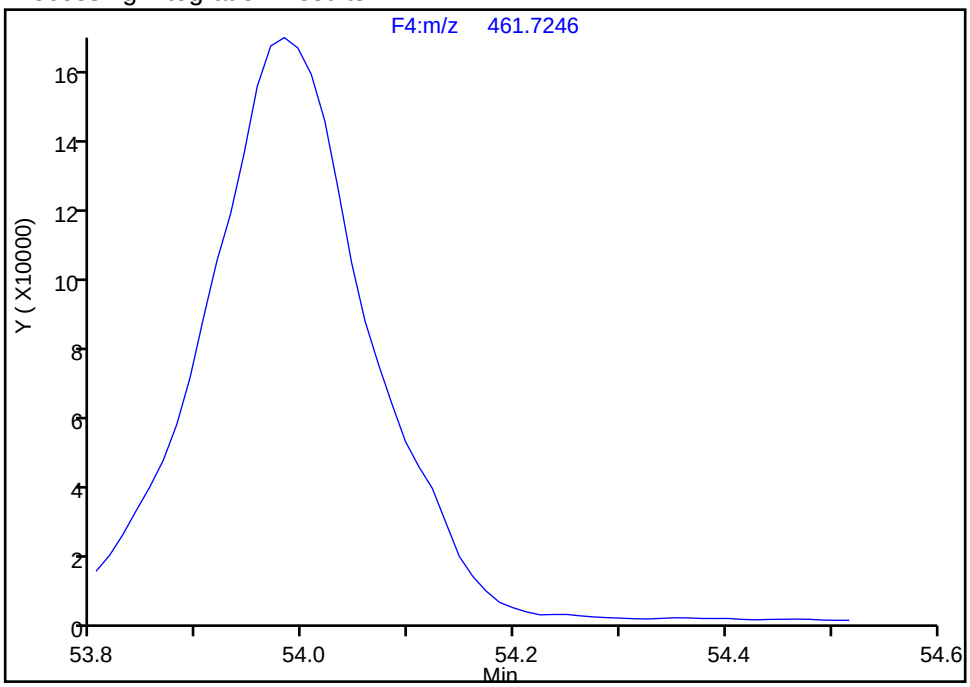
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-29-C | Lab Sample ID: | 140-88908-29 | | |
| Client ID: | J5-SC1b-50to60-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

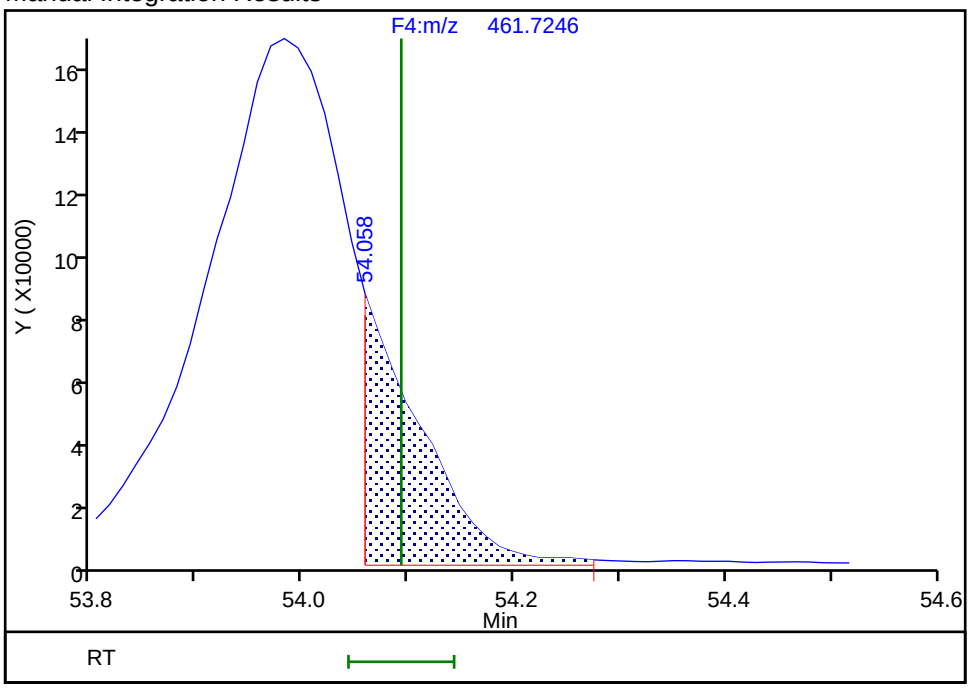
Not Detected
Expected RT: 54.09

Processing Integration Results




Manual Integration Results

RT: 54.06
Area: 315796
Amount: 35.493831
Amount Units: pg/ul



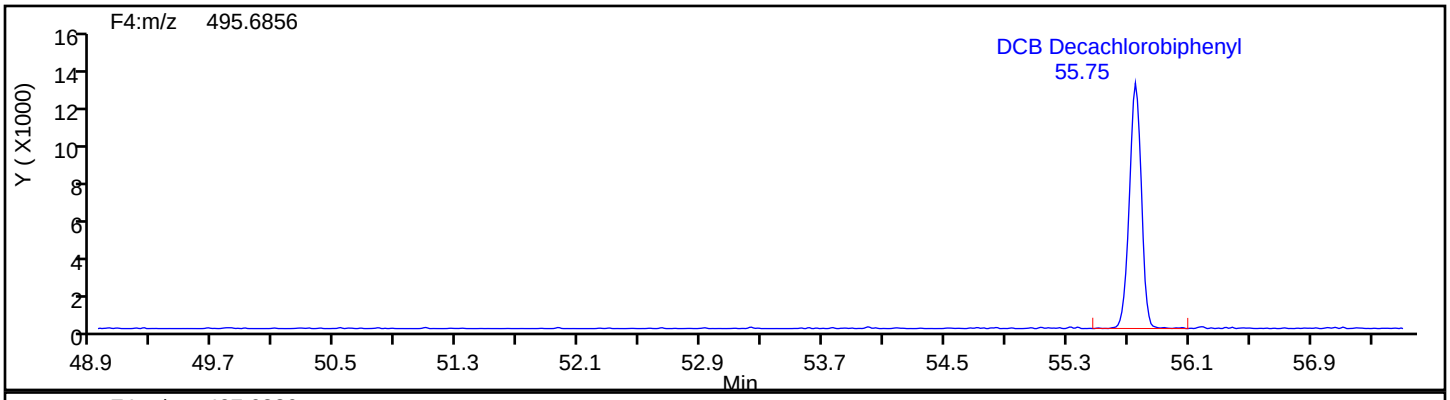

Reviewer: mcwhirterl, 03-Oct-2019 23:23:16
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

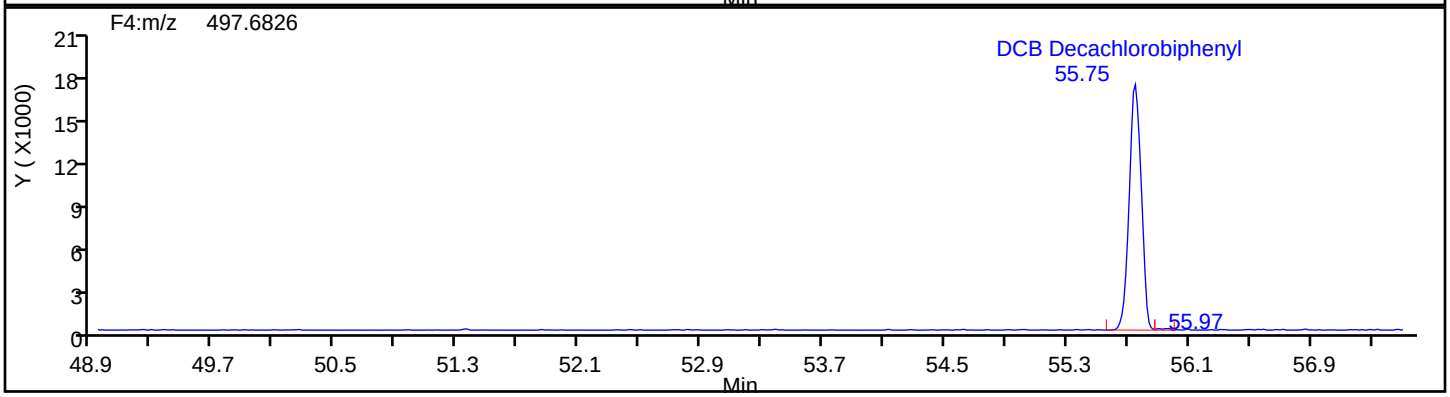
Report Date: 04-Oct-2019 01:32:10 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

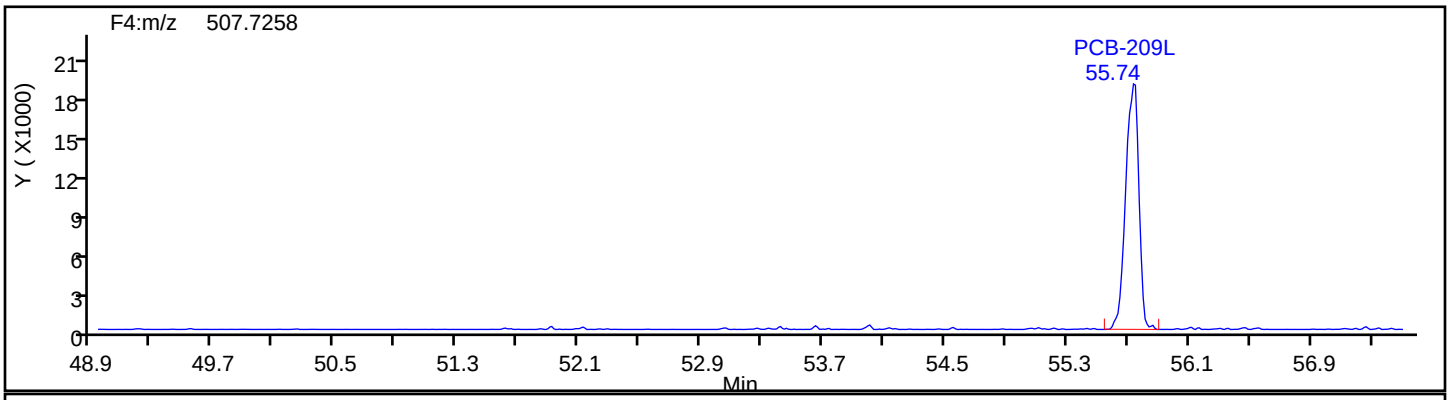
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

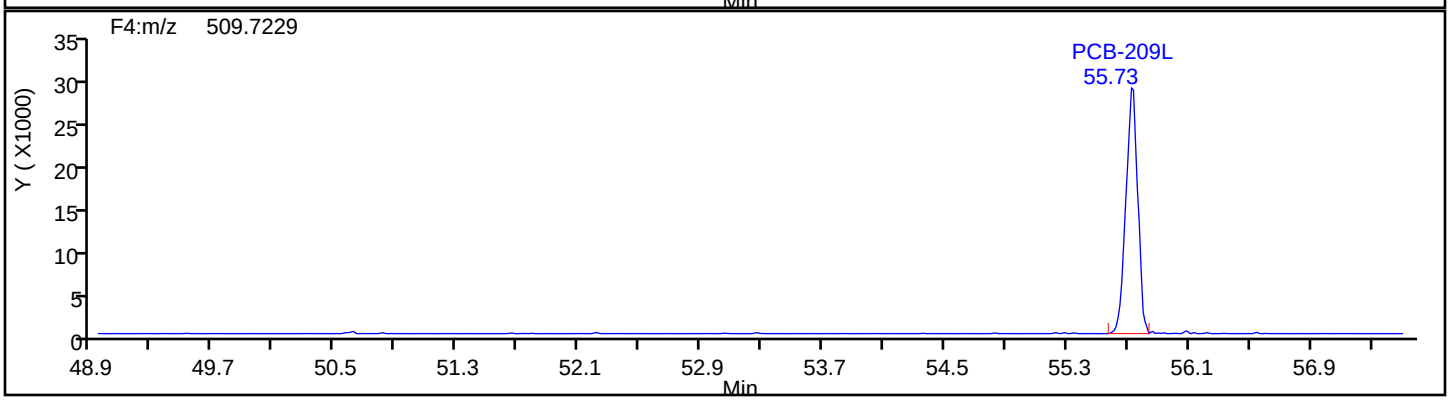
DePCB F4




DePCB F4 Standards

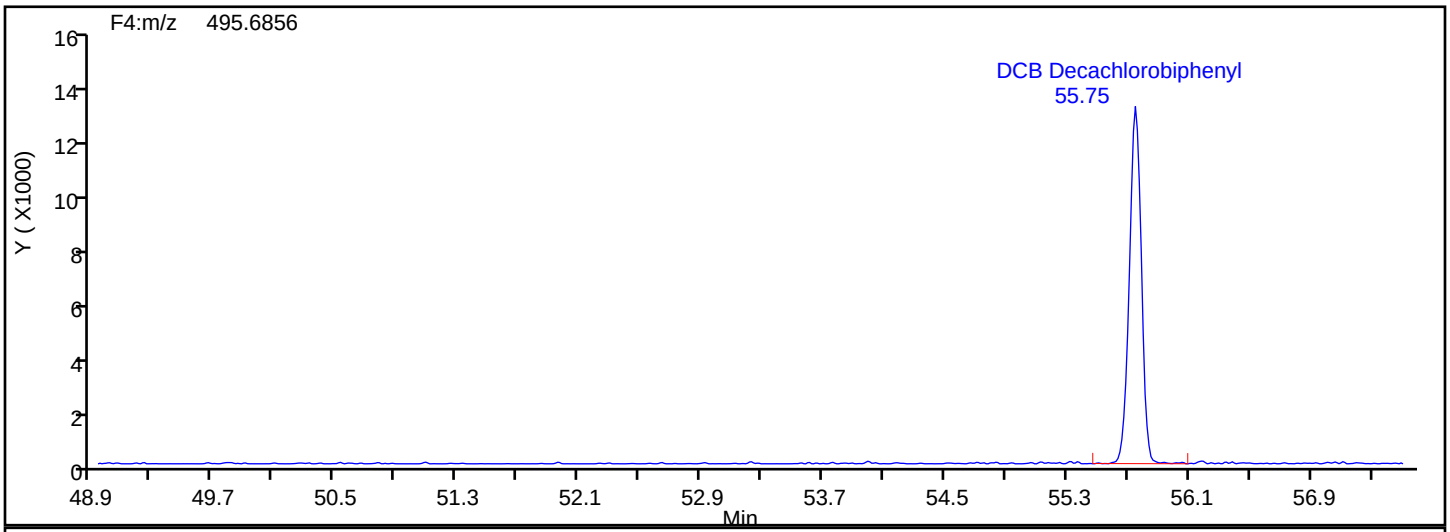


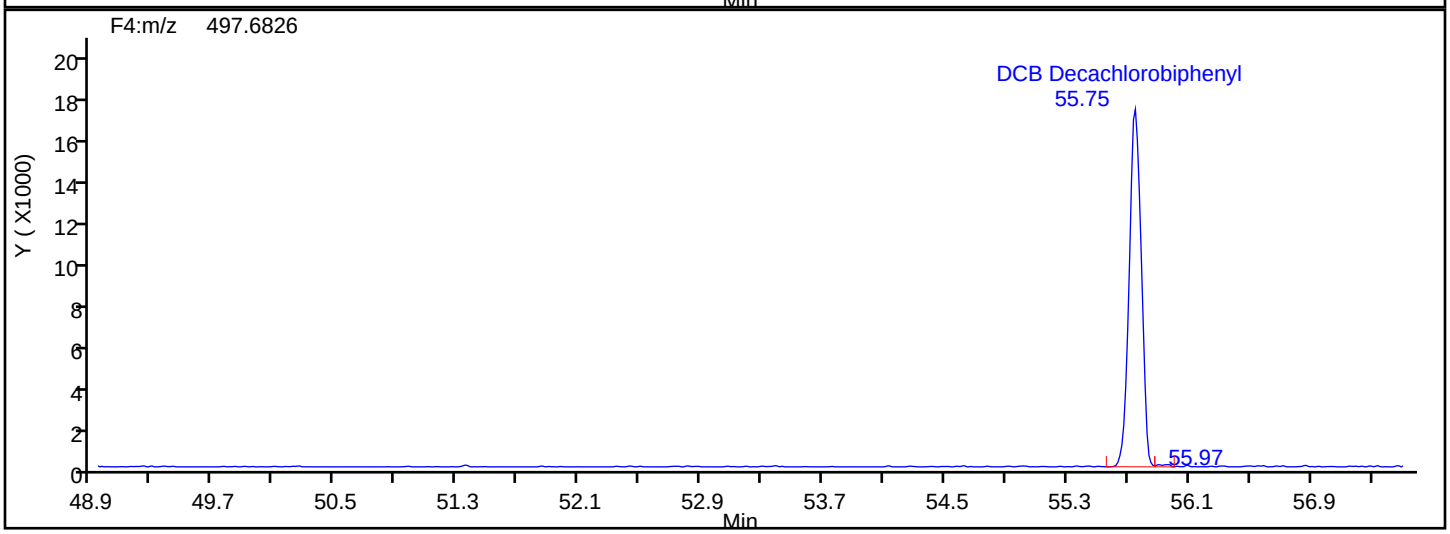



Eurofins TestAmerica, Knoxville

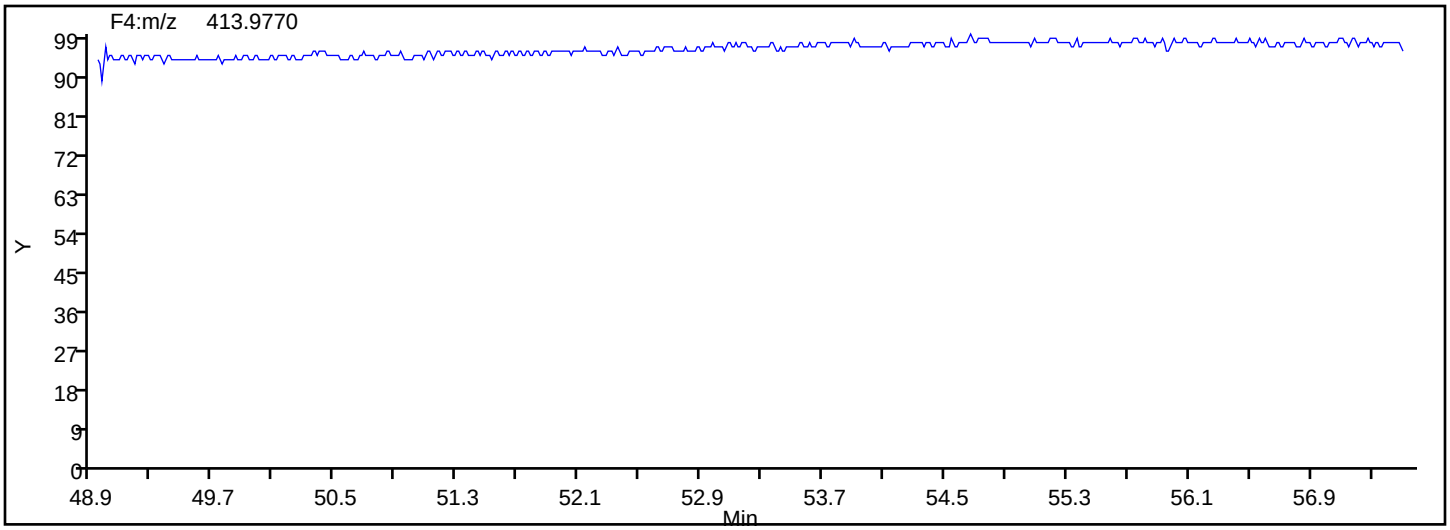
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-29-c_191003174537.d | | |
| Injection Date: | 03-Oct-2019 17:45:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-50to60-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.088 | | 0.049 | 0.0017 |
| 2051-61-8 | PCB-2 | 0.012 | J | 0.049 | 0.0019 |
| 2051-62-9 | PCB-3 | 0.071 | | 0.049 | 0.0020 |
| 13029-08-8 | PCB-4 | 0.21 | | 0.099 | 0.0049 |
| 16605-91-7 | PCB-5 | 0.010 | J | 0.049 | 0.0022 |
| 25569-80-6 | PCB-6 | 0.16 | | 0.049 | 0.0022 |
| 33284-50-3 | PCB-7 | 0.028 | J | 0.049 | 0.0021 |
| 34883-43-7 | PCB-8 | 0.65 | | 0.099 | 0.0022 |
| 34883-39-1 | PCB-9 | 0.031 | J | 0.049 | 0.0024 |
| 33146-45-1 | PCB-10 | 0.010 | J | 0.049 | 0.0023 |
| 2050-67-1 | PCB-11 | 0.014 | J B | 0.099 | 0.0021 |
| 2974-92-7 | PCB-12 | 0.063 | J C | 0.099 | 0.0021 |
| 2974-90-5 | PCB-13 | 0.063 | J C12 | 0.099 | 0.0021 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0018 |
| 2050-68-2 | PCB-15 | 0.26 | | 0.049 | 0.0017 |
| 38444-78-9 | PCB-16 | 0.53 | | 0.049 | 0.0027 |
| 37680-66-3 | PCB-17 | 0.78 | | 0.049 | 0.0021 |
| 37680-65-2 | PCB-18 | 1.2 | C | 0.099 | 0.0018 |
| 38444-73-4 | PCB-19 | 0.12 | | 0.049 | 0.0026 |
| 38444-84-7 | PCB-20 | 2.6 | C | 0.099 | 0.014 |
| 55702-46-0 | PCB-21 | 1.1 | C | 0.099 | 0.013 |
| 38444-85-8 | PCB-22 | 0.48 | | 0.049 | 0.015 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.014 |
| 55702-45-9 | PCB-24 | 0.011 | J | 0.049 | 0.0016 |
| 55712-37-3 | PCB-25 | 0.24 | | 0.049 | 0.013 |
| 38444-81-4 | PCB-26 | 0.35 | C | 0.099 | 0.014 |
| 38444-76-7 | PCB-27 | 0.094 | | 0.049 | 0.0015 |
| 7012-37-5 | PCB-28 | 2.6 | C20 | 0.099 | 0.014 |
| 15862-07-4 | PCB-29 | 0.35 | C26 | 0.099 | 0.014 |
| 35693-92-6 | PCB-30 | 1.2 | C18 | 0.099 | 0.0018 |
| 16606-02-3 | PCB-31 | 1.8 | | 0.099 | 0.013 |
| 38444-77-8 | PCB-32 | 0.47 | | 0.049 | 0.0014 |
| 38444-86-9 | PCB-33 | 1.1 | C21 | 0.099 | 0.013 |
| 37680-68-5 | PCB-34 | 0.042 | J | 0.049 | 0.015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.026 | J | 0.049 | 0.015 |
| 38444-87-0 | PCB-36 | ND | | 0.049 | 0.013 |
| 38444-90-5 | PCB-37 | 0.54 | | 0.049 | 0.014 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.014 |
| 38444-88-1 | PCB-39 | 0.042 | J | 0.049 | 0.013 |
| 38444-93-8 | PCB-40 | 2.2 | C | 0.15 | 0.010 |
| 52663-59-9 | PCB-41 | 2.2 | C40 | 0.15 | 0.010 |
| 36559-22-5 | PCB-42 | 1.5 | | 0.049 | 0.011 |
| 70362-46-8 | PCB-43 | 0.091 | J C | 0.099 | 0.0092 |
| 41464-39-5 | PCB-44 | 7.4 | C B | 0.15 | 0.0089 |
| 70362-45-7 | PCB-45 | 0.70 | C B | 0.099 | 0.010 |
| 41464-47-5 | PCB-46 | 0.23 | | 0.049 | 0.012 |
| 2437-79-8 | PCB-47 | 7.4 | C44 B | 0.15 | 0.0089 |
| 70362-47-9 | PCB-48 | 0.65 | | 0.049 | 0.0097 |
| 41464-40-8 | PCB-49 | 6.0 | C B | 0.099 | 0.0081 |
| 62796-65-0 | PCB-50 | 0.63 | C | 0.099 | 0.0098 |
| 68194-04-7 | PCB-51 | 0.70 | C45 B | 0.099 | 0.010 |
| 35693-99-3 | PCB-52 | 14 | B | 0.049 | 0.010 |
| 41464-41-9 | PCB-53 | 0.63 | C50 | 0.099 | 0.0098 |
| 15968-05-5 | PCB-54 | 0.024 | J | 0.049 | 0.00070 |
| 74338-24-2 | PCB-55 | ND | | 0.049 | 0.0071 |
| 41464-43-1 | PCB-56 | 1.7 | | 0.049 | 0.0073 |
| 70424-67-8 | PCB-57 | 0.0086 | J | 0.049 | 0.0072 |
| 41464-49-7 | PCB-58 | 0.054 | q | 0.049 | 0.0070 |
| 74472-33-6 | PCB-59 | 0.35 | C | 0.15 | 0.0068 |
| 33025-41-1 | PCB-60 | 0.27 | | 0.049 | 0.0069 |
| 33284-53-6 | PCB-61 | 12 | C B | 0.20 | 0.0068 |
| 54230-22-7 | PCB-62 | 0.35 | C59 | 0.15 | 0.0068 |
| 74472-34-7 | PCB-63 | 0.18 | | 0.049 | 0.0063 |
| 52663-58-8 | PCB-64 | 1.9 | | 0.049 | 0.0065 |
| 33284-54-7 | PCB-65 | 7.4 | C44 B | 0.15 | 0.0089 |
| 32598-10-0 | PCB-66 | 6.1 | | 0.049 | 0.0072 |
| 73575-53-8 | PCB-67 | 0.099 | | 0.049 | 0.0066 |
| 73575-52-7 | PCB-68 | 0.18 | | 0.049 | 0.0062 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 6.0 | C49 B | 0.099 | 0.0081 |
| 32598-11-1 | PCB-70 | 12 | C61 B | 0.20 | 0.0068 |
| 41464-46-4 | PCB-71 | 2.2 | C40 | 0.15 | 0.010 |
| 41464-42-0 | PCB-72 | 0.33 | | 0.049 | 0.0070 |
| 74338-23-1 | PCB-73 | 0.091 | J C43 | 0.099 | 0.0092 |
| 32690-93-0 | PCB-74 | 12 | C61 B | 0.20 | 0.0068 |
| 32598-12-2 | PCB-75 | 0.35 | C59 | 0.15 | 0.0068 |
| 70362-48-0 | PCB-76 | 12 | C61 B | 0.20 | 0.0068 |
| 32598-13-3 | PCB-77 | 0.28 | | 0.049 | 0.0068 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.0070 |
| 41464-48-6 | PCB-79 | 0.26 | | 0.049 | 0.0060 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0063 |
| 70362-50-4 | PCB-81 | ND | | 0.049 | 0.0071 |
| 52663-62-4 | PCB-82 | 2.1 | | 0.049 | 0.0029 |
| 60145-20-2 | PCB-83 | 16 | C | 0.099 | 0.0027 |
| 52663-60-2 | PCB-84 | 6.4 | B | 0.049 | 0.0029 |
| 65510-45-4 | PCB-85 | 2.9 | C B | 0.15 | 0.0021 |
| 55312-69-1 | PCB-86 | 13 | C | 0.30 | 0.0021 |
| 38380-02-8 | PCB-87 | 13 | C86 | 0.30 | 0.0021 |
| 55215-17-3 | PCB-88 | 4.2 | C | 0.099 | 0.0025 |
| 73575-57-2 | PCB-89 | 0.14 | q | 0.049 | 0.0028 |
| 68194-07-0 | PCB-90 | 26 | C B | 0.15 | 0.0022 |
| 68194-05-8 | PCB-91 | 4.2 | C88 | 0.099 | 0.0025 |
| 52663-61-3 | PCB-92 | 6.0 | | 0.049 | 0.0027 |
| 73575-56-1 | PCB-93 | 0.50 | C | 0.099 | 0.0026 |
| 73575-55-0 | PCB-94 | 0.11 | | 0.049 | 0.0028 |
| 38379-99-6 | PCB-95 | 22 | | 0.049 | 0.0026 |
| 73575-54-9 | PCB-96 | 0.15 | | 0.049 | 0.0021 |
| 41464-51-1 | PCB-97 | 13 | C86 | 0.30 | 0.0021 |
| 60233-25-2 | PCB-98 | 0.75 | C | 0.099 | 0.0026 |
| 38380-01-7 | PCB-99 | 16 | C83 | 0.099 | 0.0027 |
| 39485-83-1 | PCB-100 | 0.50 | C93 | 0.099 | 0.0026 |
| 37680-73-2 | PCB-101 | 26 | C90 B | 0.15 | 0.0022 |
| 68194-06-9 | PCB-102 | 0.75 | C98 | 0.099 | 0.0026 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *60145-21-3* | *PCB-103* | *0.76* | | *0.049* | *0.0024* |
| *56558-16-8* | *PCB-104* | *ND* | | *0.049* | *0.0018* |
| *32598-14-4* | *PCB-105* | *5.0* | | *0.049* | *0.023* |
| *70424-69-0* | *PCB-106* | *ND* | | *0.049* | *0.024* |
| *70424-68-9* | *PCB-107* | *1.4* | | *0.049* | *0.022* |
| *70362-41-3* | *PCB-108* | *0.58* | *C* | *0.099* | *0.024* |
| *74472-35-8* | *PCB-109* | *13* | *C86* | *0.30* | *0.0021* |
| *38380-03-9* | *PCB-110* | *26* | *C* | *0.099* | *0.0019* |
| *39635-32-0* | *PCB-111* | *ND* | | *0.049* | *0.0018* |
| *74472-36-9* | *PCB-112* | *ND* | | *0.049* | *0.0018* |
| *68194-10-5* | *PCB-113* | *26* | *C90 B* | *0.15* | *0.0022* |
| *74472-37-0* | *PCB-114* | *0.28* | | *0.049* | *0.021* |
| *74472-38-1* | *PCB-115* | *26* | *C110* | *0.099* | *0.0019* |
| *18259-05-7* | *PCB-116* | *2.9* | *C85 B* | *0.15* | *0.0021* |
| *68194-11-6* | *PCB-117* | *2.9* | *C85 B* | *0.15* | *0.0021* |
| *31508-00-6* | *PCB-118* | *16* | *B* | *0.049* | *0.023* |
| *56558-17-9* | *PCB-119* | *13* | *C86* | *0.30* | *0.0021* |
| *68194-12-7* | *PCB-120* | *0.25* | | *0.049* | *0.0017* |
| *56558-18-0* | *PCB-121* | *ND* | | *0.049* | *0.0018* |
| *76842-07-4* | *PCB-122* | *0.20* | | *0.049* | *0.026* |
| *65510-44-3* | *PCB-123* | *0.20* | | *0.049* | *0.023* |
| *70424-70-3* | *PCB-124* | *0.58* | *C108* | *0.099* | *0.024* |
| *74472-39-2* | *PCB-125* | *13* | *C86* | *0.30* | *0.0021* |
| *57465-28-8* | *PCB-126* | *ND* | | *0.049* | *0.024* |
| *39635-33-1* | *PCB-127* | *ND* | | *0.049* | *0.023* |
| *38380-07-3* | *PCB-128* | *3.4* | *C B* | *0.099* | *0.0075* |
| *55215-18-4* | *PCB-129* | *22* | *C B* | *0.20* | *0.0077* |
| *52663-66-8* | *PCB-130* | *1.7* | | *0.049* | *0.010* |
| *61798-70-7* | *PCB-131* | *0.31* | | *0.049* | *0.0097* |
| *38380-05-1* | *PCB-132* | *8.1* | | *0.049* | *0.0095* |
| *35694-04-3* | *PCB-133* | *0.67* | | *0.049* | *0.0092* |
| *52704-70-8* | *PCB-134* | *1.4* | *C* | *0.099* | *0.0098* |
| *52744-13-5* | *PCB-135* | *9.7* | *C B* | *0.099* | *0.0014* |
| *38411-22-2* | *PCB-136* | *4.1* | *B* | *0.049* | *0.0011* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *0.86* | | *0.049* | *0.0079* |
| *35065-28-2* | *PCB-138* | *22* | *C129 B* | *0.20* | *0.0077* |
| *56030-56-9* | *PCB-139* | *0.56* | *C* | *0.099* | *0.0083* |
| *59291-64-4* | *PCB-140* | *0.56* | *C139* | *0.099* | *0.0083* |
| *52712-04-6* | *PCB-141* | *3.7* | | *0.049* | *0.0087* |
| *41411-61-4* | *PCB-142* | *ND* | | *0.049* | *0.0097* |
| *68194-15-0* | *PCB-143* | *1.4* | *C134* | *0.099* | *0.0098* |
| *68194-14-9* | *PCB-144* | *0.98* | | *0.049* | *0.0013* |
| *74472-40-5* | *PCB-145* | *0.011* | *J* | *0.049* | *0.0010* |
| *51908-16-8* | *PCB-146* | *5.8* | *B* | *0.049* | *0.0083* |
| *68194-13-8* | *PCB-147* | *23* | *C B* | *0.099* | *0.0085* |
| *74472-41-6* | *PCB-148* | *0.20* | | *0.049* | *0.0014* |
| *38380-04-0* | *PCB-149* | *23* | *C147 B* | *0.099* | *0.0085* |
| *68194-08-1* | *PCB-150* | *0.17* | | *0.049* | *0.0010* |
| *52663-63-5* | *PCB-151* | *9.7* | *C135 B* | *0.099* | *0.0014* |
| *68194-09-2* | *PCB-152* | *0.021* | *J* | *0.049* | *0.00098* |
| *35065-27-1* | *PCB-153* | *22* | *C B* | *0.099* | *0.0068* |
| *60145-22-4* | *PCB-154* | *1.1* | | *0.049* | *0.0012* |
| *33979-03-2* | *PCB-155* | *ND* | | *0.049* | *0.00095* |
| *38380-08-4* | *PCB-156* | *2.4* | *C* | *0.099* | *0.0080* |
| *69782-90-7* | *PCB-157* | *2.4* | *C156* | *0.099* | *0.0080* |
| *74472-42-7* | *PCB-158* | *2.0* | | *0.049* | *0.0060* |
| *39635-35-3* | *PCB-159* | *0.28* | | *0.049* | *0.0063* |
| *41411-62-5* | *PCB-160* | *22* | *C129 B* | *0.20* | *0.0077* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.049* | *0.0062* |
| *39635-34-2* | *PCB-162* | *0.066* | | *0.049* | *0.0061* |
| *74472-44-9* | *PCB-163* | *22* | *C129 B* | *0.20* | *0.0077* |
| *74472-45-0* | *PCB-164* | *1.7* | | *0.049* | *0.0067* |
| *74472-46-1* | *PCB-165* | *ND* | | *0.049* | *0.0074* |
| *41411-63-6* | *PCB-166* | *3.4* | *C128 B* | *0.099* | *0.0075* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-72-6* | *PCB-167* | *0.71* | | *0.049* | *0.0053* |
| *59291-65-5* | *PCB-168* | *22* | *C153 B* | *0.099* | *0.0068* |
| *32774-16-6* | *PCB-169* | *ND* | | *0.049* | *0.0055* |
| *35065-30-6* | *PCB-170* | *6.0* | *B* | *0.049* | *0.0015* |
| *52663-71-5* | *PCB-171* | *2.2* | *C* | *0.099* | *0.0015* |
| *52663-74-8* | *PCB-172* | *1.1* | | *0.049* | *0.0014* |
| *68194-16-1* | *PCB-173* | *2.2* | *C171* | *0.099* | *0.0015* |
| *38411-25-5* | *PCB-174* | *7.2* | *B* | *0.049* | *0.0015* |
| *40186-70-7* | *PCB-175* | *0.30* | | *0.049* | *0.0013* |
| *52663-65-7* | *PCB-176* | *0.91* | | *0.049* | *0.00093* |
| *52663-70-4* | *PCB-177* | *4.4* | *B* | *0.049* | *0.0015* |
| *52663-67-9* | *PCB-178* | *1.7* | | *0.049* | *0.0014* |
| *52663-64-6* | *PCB-179* | *3.3* | | *0.049* | *0.0010* |
| *35065-29-3* | *PCB-180* | *14* | *C B* | *0.099* | *0.0011* |
| *74472-47-2* | *PCB-181* | *0.066* | | *0.049* | *0.0013* |
| *60145-23-5* | *PCB-182* | *0.091* | | *0.049* | *0.0012* |
| *52663-69-1* | *PCB-183* | *4.6* | *C B* | *0.099* | *0.0012* |
| *74472-48-3* | *PCB-184* | *ND* | | *0.049* | *0.00099* |
| *52712-05-7* | *PCB-185* | *4.6* | *C183 B* | *0.099* | *0.0012* |
| *74472-49-4* | *PCB-186* | *ND* | | *0.049* | *0.00098* |
| *52663-68-0* | *PCB-187* | *9.2* | *B* | *0.049* | *0.0013* |
| *74487-85-7* | *PCB-188* | *ND* | | *0.049* | *0.00091* |
| *39635-31-9* | *PCB-189* | *0.22* | | *0.049* | *0.0031* |
| *41411-64-7* | *PCB-190* | *1.3* | *B* | *0.049* | *0.0010* |
| *74472-50-7* | *PCB-191* | *0.28* | | *0.049* | *0.0010* |
| *74472-51-8* | *PCB-192* | *ND* | | *0.049* | *0.0011* |
| *69782-91-8* | *PCB-193* | *14* | *C180 B* | *0.099* | *0.0011* |
| *35694-08-7* | *PCB-194* | *3.3* | | *0.049* | *0.013* |
| *52663-78-2* | *PCB-195* | *1.5* | | *0.049* | *0.015* |
| *42740-50-1* | *PCB-196* | *1.8* | | *0.049* | *0.0020* |
| *33091-17-7* | *PCB-197* | *0.13* | | *0.049* | *0.0015* |
| *68194-17-2* | *PCB-198* | *3.7* | *C B* | *0.099* | *0.0022* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *3.7* | *C198 B* | *0.099* | *0.0022* |
| *52663-73-7* | *PCB-200* | *0.49* | | *0.049* | *0.0016* |
| *40186-71-8* | *PCB-201* | *0.48* | | *0.049* | *0.0015* |
| *2136-99-4* | *PCB-202* | *0.75* | | *0.049* | *0.0017* |
| *52663-76-0* | *PCB-203* | *2.3* | | *0.049* | *0.0019* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.049* | *0.0016* |
| *74472-53-0* | *PCB-205* | *0.17* | | *0.049* | *0.0094* |
| *40186-72-9* | *PCB-206* | *1.7* | | *0.049* | *0.0085* |
| *52663-79-3* | *PCB-207* | *0.18* | | *0.049* | *0.0061* |
| *52663-77-1* | *PCB-208* | *0.40* | | *0.049* | *0.0064* |
| *2051-24-3* | *PCB-209* | *1.4* | | *0.049* | *0.0016* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *0.17* | | *0.049* | *0.0019* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *1.4* | *q B* | *0.099* | *0.0024* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *10* | *q* | *0.099* | *0.0097* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *57* | *q B* | *0.20* | *0.0077* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *150* | *q B* | *0.30* | *0.0091* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *120* | *q B* | *0.20* | *0.0059* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *57* | *B* | *0.099* | *0.0013* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *15* | *B* | *0.099* | *0.0046* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *2.3* | | *0.049* | *0.0070* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *410* | *q B* | *0.30* | *0.0055* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719  Lab Sample ID: 580-88908-30

Matrix: Solid  Lab File ID: 580-88908-a-30-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 18.03(g)  Date Analyzed: 10/03/2019 18:47

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 53 | | 30-140 |
| 208263-77-8 | PCB-3L | 58 | | 30-140 |
| 234432-86-1 | PCB-4L | 65 | | 30-140 |
| 208263-67-6 | PCB-15L | 77 | | 30-140 |
| 234432-87-2 | PCB-19L | 75 | | 30-140 |
| 208263-79-0 | PCB-37L | 88 | | 30-140 |
| 234432-88-3 | PCB-54L | 69 | | 30-140 |
| 105600-23-5 | PCB-77L | 86 | | 30-140 |
| 208461-24-9 | PCB-81L | 85 | | 30-140 |
| 234432-89-4 | PCB-104L | 83 | | 30-140 |
| 208263-62-1 | PCB-105L | 80 | | 30-140 |
| 208263-63-2 | PCB-114L | 79 | | 30-140 |
| 104130-40-7 | PCB-118L | 79 | | 30-140 |
| 208263-64-3 | PCB-123L | 77 | | 30-140 |
| 208263-65-4 | PCB-126L | 85 | | 30-140 |
| 234432-90-7 | PCB-155L | 102 | | 30-140 |
| 208263-68-7 | PCB-156L | 76 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 76 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 79 | | 30-140 |
| 208263-70-1 | PCB-169L | 90 | | 30-140 |
| 160901-80-4 | PCB-170L | 83 | | 30-140 |
| 234432-91-8 | PCB-188L | 82 | | 30-140 |
| 208263-73-4 | PCB-189L | 83 | | 30-140 |
| 105600-26-8 | PCB-202L | 86 | | 30-140 |
| 234446-64-1 | PCB-205L | 72 | | 30-140 |
| 208263-75-6 | PCB-206L | 69 | | 30-140 |
| 234432-92-9 | PCB-208L | 76 | | 30-140 |
| 105600-27-9 | PCB-209L | 70 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 80 | | 40-125 |
| 235416-29-2 | PCB-111L | 91 | | 40-125 |
| 232919-67-4 | PCB-178L | 90 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d
Lims ID: 580-88908-A-30-C
Client ID: J5-SC1b-60to70-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 18:47:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-011
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 00:00:26 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 00:00:26

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 3.452 | 3.452 | 0.0376 | 0.0376 | | |
| D PCB-1L | 11:59 | 463603 | 2.68 | 1.3140 | 10.6 | 10.6 | 0.5035 | 0.5035 | 53.09 | Ma |
| D PCB-3L | 14:04 | 526479 | 3.53 | 1.3615 | 11.6 | 11.6 | 0.4859 | 0.4859 | 58.19 | |
| PCB-1 | 12:00 | 48896 | 3.40 | 1.1883 | 1.775 | 1.775 | 0.0354 | 0.0354 | | Ma |
| PCB-2 | 13:54 | 7171 | 3.01 | 1.1911 | 0.2432 | 0.2432 | 0.0377 | 0.0377 | | |
| PCB-3 | 14:05 | 45777 | 3.14 | 1.2130 | 1.434 | 1.434 | 0.0397 | 0.0397 | | |
| S Total Dichlorobiphenyls | | | | | 29.1 | 29.0 | 0.0482 | 0.0482 | | RQ |
| D PCB-4L | 14:18 | 257476 | 1.65 | 0.5996 | 12.9 | 12.9 | 0.3431 | 0.3431 | 64.62 | |
| * PCB-9L | 16:13 | 664525 | 1.73 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:04 | 529252 | 1.56 | 1.0280 | 15.5 | 15.5 | 0.2001 | 0.2001 | 77.47 | Ma |
| PCB-4 | 14:19 | 67294 | 1.62 | 1.2533 | 4.171 | 4.171 | 0.0993 | 0.0993 | | |
| PCB-10 | 14:30 | 6038 | 1.33 | 1.4828 | 0.2070 | 0.2070 | 0.0472 | 0.0472 | | |
| PCB-9 | 16:14 | 17720 | 1.56 | 1.4200 | 0.7315 | 0.6345 | 0.0493 | 0.0493 | | RQa |
| PCB-7 | 16:24 | 18285 | 1.55 | 1.6244 | 0.5723 | 0.5723 | 0.0431 | 0.0431 | | a |
| PCB-6 | 16:38 | 99311 | 1.68 | 1.5539 | 3.249 | 3.249 | 0.0450 | 0.0450 | | a |
| PCB-5 | 16:56 | 6457 | 1.55 | 1.5606 | 0.2104 | 0.2104 | 0.0448 | 0.0448 | | Ma |
| PCB-8 | 17:04 | 410774 | 1.66 | 1.5884 | 13.1 | 13.1 | 0.0440 | 0.0440 | | Ma |
| PCB-14 | 18:35 | | | | | | 0.0373 | 0.0373 | | |
| PCB-11 | 19:29 | 9052 | 1.50 | 1.6347 | 0.2815 | 0.2815 | 0.0428 | 0.0428 | | |
| PCB-12 | 19:45 | 41486 | 1.62 | 1.6410 | 1.285 | 1.285 | 0.0426 | 0.0426 | | |
| PCB-13 (C12) | 19:45 | 41486 | 1.62 | 1.6410 | 1.285 | 1.285 | 0.0426 | 0.0426 | | |
| PCB-15 | 20:06 | 193572 | 1.54 | 1.4024 | 5.216 | 5.216 | 0.0347 | 0.0347 | | |
| S Total Trichlorobiphenyl | | | | | 208.3 | 208.1 | 0.1964 | 0.1964 | | RQ |
| D PCB-19L | 17:19 | 224205 | 1.04 | 0.6095 | 15.0 | 15.0 | 0.5349 | 0.5349 | 75.03 | |
| * PCB-32L | 20:32 | 490313 | 1.06 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:47 | 1089701 | 1.06 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:04 | 952990 | 1.09 | 1.0975 | 15.9 | 15.9 | 0.1048 | 0.1048 | 79.68 | |
| D PCB-37L | 27:03 | 864976 | 1.10 | 0.9024 | 17.6 | 17.6 | 0.1275 | 0.1275 | 87.96 | |
| PCB-19 | 17:21 | 35721 | 1.07 | 1.3047 | 2.442 | 2.442 | 0.0520 | 0.0520 | | |
| PCB-18 | 19:11 | 476199 | 1.06 | 1.8188 | 23.4 | 23.4 | 0.0373 | 0.0373 | | |
| PCB-30 (C18) | 19:11 | 476199 | 1.06 | 1.8188 | 23.4 | 23.4 | 0.0373 | 0.0373 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 278423 | 1.10 | 1.5641 | 15.9 | 15.9 | 0.0434 | 0.0434 | | |
| PCB-27 | 19:48 | 46109 | 0.98 | 2.1680 | 1.897 | 1.897 | 0.0313 | 0.0313 | | |
| PCB-24 | 19:58 | 5234 | 1.04 | 2.1018 | 0.2631 | 0.2221 | 0.0323 | 0.0323 | | RQMa |
| PCB-16 | 20:02 | 146720 | 1.07 | 1.2260 | 10.7 | 10.7 | 0.0554 | 0.0554 | | Ma |
| PCB-32 | 20:33 | 247731 | 1.05 | 2.3416 | 9.438 | 9.438 | 0.0290 | 0.0290 | | Ma |
| PCB-34 | 21:49 | 45275 | 1.02 | 1.2154 | 0.8613 | 0.8613 | 0.3017 | 0.3017 | | a |
| PCB-23 | 21:56 | | | | | | 0.2893 | 0.2893 | | |
| PCB-26 | 22:15 | 405131 | 1.07 | 1.3193 | 7.100 | 7.100 | 0.2780 | 0.2780 | | a |
| PCB-29 (C26) | 22:15 | 405131 | 1.07 | 1.3193 | 7.100 | 7.100 | 0.2780 | 0.2780 | | a |
| PCB-25 | 22:29 | 279908 | 1.08 | 1.3523 | 4.786 | 4.786 | 0.2712 | 0.2712 | | |
| PCB-31 | 22:48 | 2125012 | 1.05 | 1.3809 | 35.6 | 35.6 | 0.2656 | 0.2656 | | |
| PCB-20 | 23:06 | 2947906 | 1.07 | 1.3057 | 52.2 | 52.2 | 0.2809 | 0.2809 | | |
| PCB-28 (C20) | 23:06 | 2947906 | 1.07 | 1.3057 | 52.2 | 52.2 | 0.2809 | 0.2809 | | |
| PCB-21 | 23:19 | 1281618 | 1.07 | 1.3777 | 21.5 | 21.5 | 0.2662 | 0.2662 | | Ma |
| PCB-33 (C21) | 23:19 | 1281618 | 1.07 | 1.3777 | 21.5 | 21.5 | 0.2662 | 0.2662 | | Ma |
| PCB-22 | 23:43 | 518358 | 1.06 | 1.2430 | 9.643 | 9.643 | 0.2950 | 0.2950 | | |
| PCB-36 | 25:17 | 11749 | 1.67 | 1.3468 | 0.2017 | 0.2017 | 0.2723 | 0.2723 | | RnMa |
| PCB-39 | 25:38 | 51485 | 1.04 | 1.3970 | 0.9468 | 0.8521 | 0.2625 | 0.2625 | | RQMa |
| PCB-38 | 26:11 | | | | | | 0.2783 | 0.2783 | | |
| PCB-35 | 26:40 | 28233 | 1.14 | 1.2166 | 0.5366 | 0.5366 | 0.3014 | 0.3014 | | |
| PCB-37 | 27:04 | 609534 | 1.06 | 1.2879 | 10.9 | 10.9 | 0.2847 | 0.2847 | | |
| S Total Tetrachlorobiphen | | | | | 1169.4 | 1169.1 | 0.1551 | 0.1551 | | RQ |
| D PCB-54L | 20:22 | 221267 | 0.79 | 0.6515 | 13.9 | 13.9 | 0.0967 | 0.0967 | 69.27 | |
| * PCB-52L | 24:53 | 610858 | 0.81 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:47 | 638148 | 0.83 | 1.2328 | 16.9 | 16.9 | 0.0540 | 0.0540 | 84.74 | |
| D PCB-77L | 34:21 | 660311 | 0.82 | 1.2523 | 17.3 | 17.3 | 0.0532 | 0.0532 | 86.32 | |
| PCB-54 | 20:22 | 6797 | 0.85 | 1.2558 | 0.4892 | 0.4892 | 0.0142 | 0.0142 | | |
| PCB-50 | 22:31 | 390680 | 0.80 | 0.9362 | 12.9 | 12.9 | 0.1994 | 0.1994 | | |
| PCB-53 (C50) | 22:31 | 390680 | 0.80 | 0.9362 | 12.9 | 12.9 | 0.1994 | 0.1994 | | |
| PCB-45 | 23:11 | 406322 | 0.81 | 0.8850 | 14.1 | 14.1 | 0.2109 | 0.2109 | | Ma |
| PCB-51 (C45) | 23:11 | 406322 | 0.81 | 0.8850 | 14.1 | 14.1 | 0.2109 | 0.2109 | | Ma |
| PCB-46 | 23:29 | 112668 | 0.80 | 0.7591 | 4.572 | 4.572 | 0.2459 | 0.2459 | | |
| PCB-52 | 24:55 | 8575759 | 0.80 | 0.8992 | 293.8 | 293.8 | 0.2076 | 0.2076 | | |
| PCB-43 | 25:08 | 59684 | 0.77 | 0.9993 | 2.031 | 1.840 | 0.1868 | 0.1868 | | RQ |
| PCB-73 (C43) | 25:08 | 59684 | 0.77 | 0.9993 | 2.031 | 1.840 | 0.1868 | 0.1868 | | RQ |
| PCB-49 | 25:24 | 4521390 | 0.80 | 1.1366 | 122.5 | 122.5 | 0.1642 | 0.1642 | | |
| PCB-69 (C49) | 25:24 | 4521390 | 0.80 | 1.1366 | 122.5 | 122.5 | 0.1642 | 0.1642 | | |
| PCB-48 | 25:41 | 401479 | 0.82 | 0.9454 | 13.1 | 13.1 | 0.1974 | 0.1974 | | a |
| PCB-44 | 25:54 | 5047581 | 0.80 | 1.0323 | 150.6 | 150.6 | 0.1808 | 0.1808 | | |
| PCB-47 (C44) | 25:54 | 5047581 | 0.80 | 1.0323 | 150.6 | 150.6 | 0.1808 | 0.1808 | | |
| PCB-65 (C44) | 25:54 | 5047581 | 0.80 | 1.0323 | 150.6 | 150.6 | 0.1808 | 0.1808 | | |
| PCB-59 | 26:14 | 316911 | 0.85 | 1.3609 | 7.174 | 7.174 | 0.1372 | 0.1372 | | |
| PCB-62 (C59) | 26:14 | 316911 | 0.85 | 1.3609 | 7.174 | 7.174 | 0.1372 | 0.1372 | | |
| PCB-75 (C59) | 26:14 | 316911 | 0.85 | 1.3609 | 7.174 | 7.174 | 0.1372 | 0.1372 | | |
| PCB-42 | 26:26 | 859439 | 0.81 | 0.8670 | 30.5 | 30.5 | 0.2153 | 0.2153 | | a |
| PCB-40 | 26:55 | 1340300 | 0.80 | 0.9179 | 45.0 | 45.0 | 0.2034 | 0.2034 | | Ma |
| PCB-41 (C40) | 26:55 | 1340300 | 0.80 | 0.9179 | 45.0 | 45.0 | 0.2034 | 0.2034 | | Ma |
| PCB-71 (C40) | 26:55 | 1340300 | 0.80 | 0.9179 | 45.0 | 45.0 | 0.2034 | 0.2034 | | Ma |
| PCB-64 | 27:08 | 1813752 | 0.80 | 1.4164 | 39.4 | 39.4 | 0.1318 | 0.1318 | | a |
| PCB-72 | 27:58 | 286487 | 0.79 | 1.3157 | 6.708 | 6.708 | 0.1419 | 0.1419 | | |
| PCB-68 | 28:15 | 175990 | 0.83 | 1.4782 | 3.668 | 3.668 | 0.1263 | 0.1263 | | |
| PCB-57 | 28:41 | 7285 | 0.77 | 1.2817 | 0.2510 | 0.1751 | 0.1456 | 0.1456 | | RQMa |
| PCB-58 | 28:54 | 47296 | 0.77 | 1.3214 | 1.205 | 1.103 | 0.1413 | 0.1413 | | RQMa |
| PCB-67 | 29:04 | 91218 | 0.87 | 1.3944 | 2.015 | 2.015 | 0.1339 | 0.1339 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:21 | 178570 | 0.80 | 1.4685 | 3.746 | 3.746 | 0.1271 | 0.1271 | | |
| PCB-61 | 29:40 | 10630185 | 0.80 | 1.3565 | 241.4 | 241.4 | 0.1376 | 0.1376 | | |
| PCB-70 (C61) | 29:40 | 10630185 | 0.80 | 1.3565 | 241.4 | 241.4 | 0.1376 | 0.1376 | | |
| PCB-74 (C61) | 29:40 | 10630185 | 0.80 | 1.3565 | 241.4 | 241.4 | 0.1376 | 0.1376 | | |
| PCB-76 (C61) | 29:40 | 10630185 | 0.80 | 1.3565 | 241.4 | 241.4 | 0.1376 | 0.1376 | | |
| PCB-66 | 30:00 | 5123065 | 0.81 | 1.2800 | 123.3 | 123.3 | 0.1458 | 0.1458 | | Ma |
| PCB-55 | 30:10 | | | | | | 0.1441 | 0.1441 | | |
| PCB-56 | 30:40 | 1419693 | 0.81 | 1.2671 | 34.5 | 34.5 | 0.1473 | 0.1473 | | |
| PCB-60 | 30:53 | 234001 | 0.78 | 1.3288 | 5.425 | 5.425 | 0.1405 | 0.1405 | | |
| PCB-80 | 31:17 | | | | | | 0.1270 | 0.1270 | | |
| PCB-79 | 32:49 | 259105 | 0.81 | 1.5421 | 5.176 | 5.176 | 0.1210 | 0.1210 | | |
| PCB-78 | 33:23 | | | | | | 0.1419 | 0.1419 | | |
| PCB-81 | 33:49 | | | | | | 0.1433 | 0.1433 | | |
| PCB-77 | 34:22 | 252575 | 0.82 | 1.3308 | 5.749 | 5.749 | 0.1383 | 0.1383 | | |
| S Total Pentachlorobiphen | | | | | 3053.9 | 3053.4 | 0.1837 | 0.1837 | | RQ |
| D PCB-104L | 25:50 | 431733 | 1.66 | 1.1164 | 16.6 | 16.6 | 0.0451 | 0.0451 | 82.86 | |
| * PCB-101L | 31:43 | 466740 | 1.65 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:24 | 518845 | 1.69 | 1.2177 | 18.3 | 18.3 | 0.0414 | 0.0414 | 91.29 | |
| D PCB-123L | 36:21 | 620063 | 1.67 | 0.9909 | 15.3 | 15.3 | 0.3892 | 0.3892 | 76.59 | |
| D PCB-118L | 36:41 | 661929 | 1.52 | 1.0256 | 15.8 | 15.8 | 0.3760 | 0.3760 | 79.00 | |
| D PCB-114L | 37:13 | 644275 | 1.59 | 1.0030 | 15.7 | 15.7 | 0.3845 | 0.3845 | 78.62 | |
| D PCB-105L | 37:51 | 653977 | 1.72 | 1.0013 | 16.0 | 16.0 | 0.3851 | 0.3851 | 79.94 | |
| * PCB-127L | 39:21 | 817019 | 1.57 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:57 | 629231 | 1.60 | 0.9020 | 17.1 | 17.1 | 0.4275 | 0.4275 | 85.38 | |
| PCB-104 | 25:51 | | | | | | 0.0368 | 0.0368 | | |
| PCB-96 | 26:13 | 81837 | 1.56 | 1.2268 | 3.090 | 3.090 | 0.0418 | 0.0418 | | |
| PCB-103 | 28:09 | 344003 | 1.62 | 1.0331 | 15.4 | 15.4 | 0.0496 | 0.0496 | | |
| PCB-94 | 28:22 | 43632 | 1.45 | 0.9036 | 2.237 | 2.237 | 0.0567 | 0.0567 | | Ma |
| PCB-95 | 28:48 | 9063390 | 1.57 | 0.9620 | 436.4 | 436.4 | 0.0532 | 0.0532 | | |
| PCB-93 | 29:02 | 215183 | 1.67 | 0.9806 | 10.2 | 10.2 | 0.0522 | 0.0522 | | |
| PCB-100 (C93) | 29:02 | 215183 | 1.67 | 0.9806 | 10.2 | 10.2 | 0.0522 | 0.0522 | | |
| PCB-98 | 29:10 | 324588 | 1.62 | 0.9888 | 15.2 | 15.2 | 0.0518 | 0.0518 | | |
| PCB-102 (C98) | 29:10 | 324588 | 1.62 | 0.9888 | 15.2 | 15.2 | 0.0518 | 0.0518 | | |
| PCB-88 | 29:40 | 1835797 | 1.59 | 1.0052 | 84.6 | 84.6 | 0.0510 | 0.0510 | | |
| PCB-91 (C88) | 29:40 | 1835797 | 1.59 | 1.0052 | 84.6 | 84.6 | 0.0510 | 0.0510 | | |
| PCB-84 | 29:53 | 2405987 | 1.59 | 0.8601 | 129.6 | 129.6 | 0.0595 | 0.0595 | | |
| PCB-89 | 30:22 | 53527 | 1.55 | 0.8936 | 3.190 | 2.775 | 0.0573 | 0.0573 | | RQMa |
| PCB-121 | 30:48 | | | | | | 0.0367 | 0.0367 | | |
| PCB-92 | 31:09 | 2517322 | 1.60 | 0.9532 | 122.3 | 122.3 | 0.0537 | 0.0537 | | |
| PCB-90 | 31:45 | 12945928 | 1.57 | 1.1367 | 527.6 | 527.6 | 0.0451 | 0.0451 | | |
| PCB-101 (C90) | 31:45 | 12945928 | 1.57 | 1.1367 | 527.6 | 527.6 | 0.0451 | 0.0451 | | |
| PCB-113 (C90) | 31:45 | 12945928 | 1.57 | 1.1367 | 527.6 | 527.6 | 0.0451 | 0.0451 | | |
| PCB-83 | 32:20 | 6689668 | 1.60 | 0.9393 | 329.9 | 329.9 | 0.0545 | 0.0545 | | Ma |
| PCB-99 (C83) | 32:20 | 6689668 | 1.60 | 0.9393 | 329.9 | 329.9 | 0.0545 | 0.0545 | | Ma |
| PCB-112 | 32:26 | | | | | | 0.0375 | 0.0375 | | |
| PCB-86 | 32:49 | 6985247 | 1.59 | 1.1958 | 270.6 | 270.6 | 0.0428 | 0.0428 | | Ma |
| PCB-87 (C86) | 32:49 | 6985247 | 1.59 | 1.1958 | 270.6 | 270.6 | 0.0428 | 0.0428 | | Ma |
| PCB-97 (C86) | 32:49 | 6985247 | 1.59 | 1.1958 | 270.6 | 270.6 | 0.0428 | 0.0428 | | Ma |
| PCB-109 (C86) | 32:49 | 6985247 | 1.59 | 1.1958 | 270.6 | 270.6 | 0.0428 | 0.0428 | | Ma |
| PCB-119 (C86) | 32:49 | 6985247 | 1.59 | 1.1958 | 270.6 | 270.6 | 0.0428 | 0.0428 | | Ma |
| PCB-125 (C86) | 32:49 | 6985247 | 1.59 | 1.1958 | 270.6 | 270.6 | 0.0428 | 0.0428 | | Ma |
| PCB-85 | 33:33 | 1525501 | 1.64 | 1.2126 | 58.3 | 58.3 | 0.0422 | 0.0422 | | |
| PCB-116 (C85) | 33:33 | 1525501 | 1.64 | 1.2126 | 58.3 | 58.3 | 0.0422 | 0.0422 | | |
| PCB-117 (C85) | 33:33 | 1525501 | 1.64 | 1.2126 | 58.3 | 58.3 | 0.0422 | 0.0422 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:42 | 15132490 | 1.57 | 1.3511 | 518.8 | 518.8 | 0.0379 | 0.0379 | | a |
| PCB-115 (C110) | 33:42 | 15132490 | 1.57 | 1.3511 | 518.8 | 518.8 | 0.0379 | 0.0379 | | a |
| PCB-82 | 34:01 | 793941 | 1.60 | 0.8675 | 42.4 | 42.4 | 0.0590 | 0.0590 | | |
| PCB-111 | 34:26 | | | | | | 0.0359 | 0.0359 | | |
| PCB-120 | 34:53 | 164269 | 1.72 | 1.4907 | 5.105 | 5.105 | 0.0344 | 0.0344 | | |
| PCB-108 | 36:01 | 475828 | 1.59 | 1.2547 | 11.8 | 11.8 | 0.4859 | 0.4859 | | |
| PCB-124 (C108) | 36:01 | 475828 | 1.59 | 1.2547 | 11.8 | 11.8 | 0.4859 | 0.4859 | | |
| PCB-107 | 36:16 | 1271861 | 1.61 | 1.3580 | 29.2 | 29.2 | 0.4490 | 0.4490 | | Ma |
| PCB-123 | 36:23 | 171721 | 1.44 | 1.3407 | 4.131 | 4.131 | 0.4664 | 0.4664 | | Ma |
| PCB-106 | 36:30 | | | | | | 0.4782 | 0.4782 | | |
| PCB-118 | 36:43 | 13779981 | 1.56 | 1.2892 | 323.0 | 323.0 | 0.4642 | 0.4642 | | |
| PCB-122 | 37:03 | 150436 | 1.51 | 1.1614 | 4.036 | 4.036 | 0.5250 | 0.5250 | | |
| PCB-114 | 37:14 | 253812 | 1.53 | 1.4051 | 5.608 | 5.608 | 0.4161 | 0.4161 | | Ma |
| PCB-105 | 37:53 | 4243460 | 1.57 | 1.2887 | 100.7 | 100.7 | 0.4579 | 0.4579 | | |
| PCB-127 | 39:22 | | | | | | 0.4748 | 0.4748 | | |
| PCB-126 | 40:58 | 16899 | 1.64 | 1.3416 | 0.4004 | 0.4004 | 0.4886 | 0.4886 | | nMa |
| S Total Hexachlorobipheny | | | | | 2359.7 | 2359.6 | 0.1200 | 0.1200 | | RQ |
| D PCB-155L | 31:30 | 452366 | 1.28 | 0.9499 | 20.4 | 20.4 | 0.0875 | 0.0875 | 102 | |
| * PCB-138L | 39:48 | 609854 | 1.23 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:49 | 607191 | 1.21 | 1.2544 | 15.9 | 15.9 | 0.1478 | 0.1478 | 79.37 | |
| D PCB-156L | 43:58 | 1141912 | 1.24 | 1.2289 | 30.5 | 30.5 | 0.1509 | 0.1509 | 76.18 | |
| D PCB-157L (C156L) | 43:58 | 1141912 | 1.24 | 1.2289 | 30.5 | 30.5 | 0.1509 | 0.1509 | 76.18 | |
| D PCB-169L | 47:12 | 594866 | 1.31 | 1.0883 | 17.9 | 17.9 | 0.1704 | 0.1704 | 89.62 | |
| PCB-155 | 31:32 | | | | | | 0.0192 | 0.0192 | | |
| PCB-152 | 31:43 | 12105 | 1.22 | 1.2556 | 0.4262 | 0.4262 | 0.0199 | 0.0199 | | |
| PCB-150 | 31:53 | 98186 | 1.30 | 1.2368 | 3.510 | 3.510 | 0.0202 | 0.0202 | | |
| PCB-136 | 32:14 | 2160367 | 1.25 | 1.1563 | 82.6 | 82.6 | 0.0216 | 0.0216 | | |
| PCB-145 | 32:32 | 6185 | 1.24 | 1.1910 | 0.3180 | 0.2296 | 0.0210 | 0.0210 | | RQ |
| PCB-148 | 34:03 | 81269 | 1.30 | 0.8982 | 4.000 | 4.000 | 0.0279 | 0.0279 | | |
| PCB-135 | 34:38 | 3852958 | 1.27 | 0.8691 | 196.0 | 196.0 | 0.0288 | 0.0288 | | |
| PCB-151 (C135) | 34:38 | 3852958 | 1.27 | 0.8691 | 196.0 | 196.0 | 0.0288 | 0.0288 | | |
| PCB-154 | 34:54 | 516038 | 1.29 | 1.0180 | 22.4 | 22.4 | 0.0246 | 0.0246 | | |
| PCB-144 | 35:12 | 413048 | 1.27 | 0.9185 | 19.9 | 19.9 | 0.0272 | 0.0272 | | |
| PCB-147 | 35:34 | 13228135 | 1.25 | 0.9747 | 463.2 | 463.2 | 0.1733 | 0.1733 | | |
| PCB-149 (C147) | 35:34 | 13228135 | 1.25 | 0.9747 | 463.2 | 463.2 | 0.1733 | 0.1733 | | |
| PCB-134 | 35:46 | 722982 | 1.29 | 0.8518 | 29.0 | 29.0 | 0.1983 | 0.1983 | | a |
| PCB-143 (C134) | 35:46 | 722982 | 1.29 | 0.8518 | 29.0 | 29.0 | 0.1983 | 0.1983 | | a |
| PCB-139 | 36:10 | 333406 | 1.26 | 0.9995 | 11.4 | 11.4 | 0.1690 | 0.1690 | | |
| PCB-140 (C139) | 36:10 | 333406 | 1.26 | 0.9995 | 11.4 | 11.4 | 0.1690 | 0.1690 | | |
| PCB-131 | 36:22 | 159102 | 1.18 | 0.8584 | 6.326 | 6.326 | 0.1967 | 0.1967 | | |
| PCB-142 | 36:31 | | | | | | 0.1964 | 0.1964 | | |
| PCB-132 | 36:49 | 4218052 | 1.26 | 0.8801 | 163.6 | 163.6 | 0.1919 | 0.1919 | | |
| PCB-133 | 37:20 | 362436 | 1.23 | 0.9064 | 13.6 | 13.6 | 0.1863 | 0.1863 | | |
| PCB-165 | 37:44 | | | | | | 0.1507 | 0.1507 | | |
| PCB-146 | 37:59 | 3444126 | 1.25 | 1.0084 | 116.6 | 116.6 | 0.1675 | 0.1675 | | |
| PCB-161 | 38:07 | | | | | | 0.1263 | 0.1263 | | |
| PCB-153 | 38:36 | 15602455 | 1.25 | 1.2207 | 436.3 | 436.3 | 0.1384 | 0.1384 | | |
| PCB-168 (C153) | 38:36 | 15602455 | 1.25 | 1.2207 | 436.3 | 436.3 | 0.1384 | 0.1384 | | |
| PCB-141 | 38:47 | 2095651 | 1.24 | 0.9608 | 74.4 | 74.4 | 0.1758 | 0.1758 | | |
| PCB-130 | 39:11 | 836148 | 1.23 | 0.8274 | 34.5 | 34.5 | 0.2041 | 0.2041 | | |
| PCB-137 | 39:25 | 539222 | 1.24 | 1.0582 | 17.4 | 17.4 | 0.1596 | 0.1596 | | |
| PCB-164 | 39:32 | 1282915 | 1.27 | 1.2527 | 35.0 | 35.0 | 0.1348 | 0.1348 | | |
| PCB-129 | 39:50 | 14254525 | 1.25 | 1.0840 | 448.8 | 448.8 | 0.1558 | 0.1558 | | |
| PCB-138 (C129) | 39:50 | 14254525 | 1.25 | 1.0840 | 448.8 | 448.8 | 0.1558 | 0.1558 | | |
| PCB-160 (C129) | 39:50 | 14254525 | 1.25 | 1.0840 | 448.8 | 448.8 | 0.1558 | 0.1558 | | |
| PCB-163 (C129) | 39:50 | 14254525 | 1.25 | 1.0840 | 448.8 | 448.8 | 0.1558 | 0.1558 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:13 | 1670443 | 1.25 | 1.3862 | 41.1 | 41.1 | 0.1218 | 0.1218 | | |
| PCB-128 | 41:06 | 2233925 | 1.28 | 1.1165 | 68.3 | 68.3 | 0.1513 | 0.1513 | | Ma |
| PCB-166 (C128) | 41:06 | 2233925 | 1.28 | 1.1165 | 68.3 | 68.3 | 0.1513 | 0.1513 | | Ma |
| PCB-159 | 42:03 | 220423 | 1.23 | 1.3178 | 5.709 | 5.709 | 0.1282 | 0.1282 | | |
| PCB-162 | 42:23 | 53582 | 1.26 | 1.3623 | 1.342 | 1.342 | 0.1240 | 0.1240 | | Ma |
| PCB-167 | 42:51 | 586366 | 1.24 | 1.3357 | 14.5 | 14.5 | 0.1066 | 0.1066 | | |
| PCB-156 | 43:58 | 1805809 | 1.27 | 1.2759 | 49.6 | 49.6 | 0.1624 | 0.1624 | | |
| PCB-157 (C156) | 43:58 | 1805809 | 1.27 | 1.2759 | 49.6 | 49.6 | 0.1624 | 0.1624 | | |
| PCB-169 | 47:13 | | | | | | 0.1113 | 0.1113 | | |
| S Total Heptachlorobiphen | | | | | 1144.2 | 1144.2 | 0.0262 | 0.0262 | | |
| D PCB-188L | 37:14 | 528510 | 1.11 | 1.3162 | 16.5 | 16.5 | 0.1076 | 0.1076 | 82.44 | |
| $ PCB-178L | 40:16 | 406385 | 1.09 | 0.9222 | 18.1 | 18.1 | 0.1536 | 0.1536 | 90.47 | |
| * PCB-180L | 45:22 | 487069 | 1.16 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:37 | 337349 | 1.15 | 0.8357 | 16.6 | 16.6 | 0.1695 | 0.1695 | 82.88 | |
| D PCB-189L | 49:45 | 721080 | 1.06 | 1.4666 | 16.6 | 16.6 | 0.2878 | 0.2878 | 83.11 | |
| PCB-188 | 37:15 | | | | | | 0.0184 | 0.0184 | | |
| PCB-179 | 37:35 | 2033445 | 1.05 | 1.4149 | 66.4 | 66.4 | 0.0202 | 0.0202 | | |
| PCB-184 | 38:07 | | | | | | 0.0201 | 0.0201 | | |
| PCB-176 | 38:27 | 607965 | 1.06 | 1.5212 | 18.5 | 18.5 | 0.0188 | 0.0188 | | |
| PCB-186 | 38:55 | | | | | | 0.0199 | 0.0199 | | |
| PCB-178 | 40:18 | 751296 | 1.05 | 1.0228 | 33.9 | 33.9 | 0.0279 | 0.0279 | | |
| PCB-175 | 40:56 | 138933 | 1.04 | 1.0690 | 6.004 | 6.004 | 0.0267 | 0.0267 | | |
| PCB-187 | 41:12 | 4463724 | 1.05 | 1.1106 | 185.7 | 185.7 | 0.0257 | 0.0257 | | |
| PCB-182 | 41:25 | 45624 | 1.09 | 1.1484 | 1.835 | 1.835 | 0.0249 | 0.0249 | | |
| PCB-183 | 41:49 | 2269927 | 1.07 | 1.1368 | 92.2 | 92.2 | 0.0251 | 0.0251 | | |
| PCB-185 (C183) | 41:49 | 2269927 | 1.07 | 1.1368 | 92.2 | 92.2 | 0.0251 | 0.0251 | | |
| PCB-174 | 42:03 | 3010305 | 1.06 | 0.9547 | 145.7 | 145.7 | 0.0299 | 0.0299 | | |
| PCB-177 | 42:29 | 1839725 | 1.05 | 0.9426 | 90.2 | 90.2 | 0.0303 | 0.0303 | | |
| PCB-181 | 42:52 | 32302 | 1.07 | 1.1075 | 1.347 | 1.347 | 0.0258 | 0.0258 | | |
| PCB-171 | 43:07 | 922112 | 1.05 | 0.9603 | 44.4 | 44.4 | 0.0297 | 0.0297 | | |
| PCB-173 (C171) | 43:07 | 922112 | 1.05 | 0.9603 | 44.4 | 44.4 | 0.0297 | 0.0297 | | |
| PCB-172 | 44:45 | 480285 | 1.07 | 0.9918 | 22.4 | 22.4 | 0.0288 | 0.0288 | | |
| PCB-192 | 45:01 | | | | | | 0.0221 | 0.0221 | | |
| PCB-180 | 45:24 | 7375593 | 1.06 | 1.2286 | 277.3 | 277.3 | 0.0232 | 0.0232 | | |
| PCB-193 (C180) | 45:24 | 7375593 | 1.06 | 1.2286 | 277.3 | 277.3 | 0.0232 | 0.0232 | | |
| PCB-191 | 45:45 | 171754 | 1.05 | 1.3848 | 5.730 | 5.730 | 0.0206 | 0.0206 | | |
| PCB-170 | 46:38 | 2622486 | 1.07 | 1.2700 | 122.4 | 122.4 | 0.0297 | 0.0297 | | |
| PCB-190 | 47:10 | 767713 | 1.05 | 1.3774 | 25.7 | 25.7 | 0.0207 | 0.0207 | | |
| PCB-189 | 49:45 | 206194 | 1.06 | 1.2799 | 4.468 | 4.468 | 0.0625 | 0.0625 | | |
| S Total Octachlorobipheny | | | | | 296.4 | 296.4 | 0.0936 | 0.0936 | | |
| D PCB-202L | 42:35 | 422151 | 0.95 | 1.0055 | 17.2 | 17.2 | 0.0917 | 0.0917 | 86.19 | |
| * PCB-194L | 51:51 | 591575 | 0.93 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:20 | 545926 | 0.94 | 1.2867 | 14.3 | 14.3 | 0.2067 | 0.2067 | 71.72 | |
| PCB-202 | 42:37 | 335905 | 0.89 | 1.0531 | 15.1 | 15.1 | 0.0343 | 0.0343 | | |
| PCB-201 | 43:32 | 243527 | 0.87 | 1.1860 | 9.728 | 9.728 | 0.0304 | 0.0304 | | |
| PCB-204 | 44:13 | | | | | | 0.0328 | 0.0328 | | |
| PCB-197 | 44:27 | 65239 | 0.91 | 1.2053 | 2.564 | 2.564 | 0.0299 | 0.0299 | | |
| PCB-200 | 44:33 | 235535 | 0.90 | 1.1260 | 9.910 | 9.910 | 0.0320 | 0.0320 | | |
| PCB-198 | 47:21 | 1305953 | 0.92 | 0.8183 | 75.6 | 75.6 | 0.0441 | 0.0441 | | |
| PCB-199 (C198) | 47:21 | 1305953 | 0.92 | 0.8183 | 75.6 | 75.6 | 0.0441 | 0.0441 | | |
| PCB-196 | 48:01 | 671143 | 0.91 | 0.8748 | 36.3 | 36.3 | 0.0412 | 0.0412 | | |
| PCB-203 | 48:12 | 895474 | 0.92 | 0.9219 | 46.0 | 46.0 | 0.0391 | 0.0391 | | |
| PCB-195 | 49:31 | 651281 | 0.91 | 0.7839 | 30.4 | 30.4 | 0.3010 | 0.3010 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:53 | 1705719 | 0.91 | 0.9282 | 67.3 | 67.3 | 0.2542 | 0.2542 | | |
| PCB-205 | 52:21 | 114054 | 0.93 | 1.2342 | 3.385 | 3.385 | 0.1911 | 0.1911 | | |
| S Total Nonachlorobipheny | | | | | 46.7 | 46.7 | 0.1424 | 0.1424 | | |
| D PCB-208L | 49:16 | 511486 | 0.78 | 1.1383 | 15.2 | 15.2 | 0.2839 | 0.2839 | 75.96 | |
| D PCB-206L | 54:05 | 364733 | 0.85 | 0.8938 | 13.8 | 13.8 | 0.3615 | 0.3615 | 68.98 | |
| PCB-208 | 49:18 | 241194 | 0.83 | 1.1567 | 8.153 | 8.153 | 0.1306 | 0.1306 | | |
| PCB-207 | 50:14 | 109753 | 0.78 | 1.3964 | 3.588 | 3.588 | 0.1246 | 0.1246 | | |
| PCB-206 | 54:06 | 760955 | 0.85 | 1.1927 | 35.0 | 35.0 | 0.1720 | 0.1720 | | |
| D PCB-209L | 55:43 | 405706 | 0.70 | 0.9809 | 14.0 | 14.0 | 0.0723 | 0.0723 | 69.92 | |
| DCB Decachlorobiphenyl | 55:45 | 726610 | 0.69 | 1.2455 | 28.8 | 28.8 | 0.0319 | 0.0319 | | |
| S Polychlorinated bipheny | | | | | 8336.4 | 28.8 | 0.1109 | 0.1109 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- n - Failed Sig-To-Noise Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d
Lims ID: 580-88908-A-30-C
Client ID: J5-SC1b-60to70-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 18:47:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-011
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 00:00:26 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 00:00:26

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 11:59 | 12:01 | 15 | 0.739 | 337639 | 98376 | 237 | 592 | 415 | | M |
| 202.0766 | 11:59 | 12:01 | 15 | 0.739 | 125964 | 33423 | 1969 | 4922 | 17 | 2.68(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 14:04 | 13:59 | 10 | 0.867 | 410365 | 87768 | 237 | 592 | 370 | | |
| 202.0766 | 14:04 | 13:59 | 10 | 0.867 | 116114 | 27187 | 1969 | 4922 | 14 | 3.53(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | Ma |
| 188.0393 | 12:00 | 12:01 | 15 | 1.001 | 37790 | 11166 | 58 | 145 | 193 | | M |
| 190.0363 | 12:00 | 12:01 | 15 | 1.001 | 11106 | 3465 | 53 | 132 | 65 | 3.40(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:54 | 13:55 | 9 | 0.988 | 5382 | 1499 | 58 | 145 | 26 | | |
| 190.0363 | 13:55 | 13:55 | 10 | 0.989 | 1789 | 642 | 53 | 132 | 12 | 3.01(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:05 | 14:05 | 10 | 1.001 | 34715 | 7892 | 58 | 145 | 136 | | |
| 190.0363 | 14:05 | 14:05 | 10 | 1.001 | 11062 | 2539 | 53 | 132 | 48 | 3.14(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:18 | 14:15 | 8 | 0.882 | 160444 | 34160 | 515 | 1287 | 66 | | |
| 236.0376 | 14:18 | 14:15 | 8 | 0.882 | 97032 | 20008 | 171 | 427 | 117 | 1.65(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:13 | 16:07 | 6 | | 421370 | 106405 | 515 | 1287 | 207 | | |
| 236.0376 | 16:13 | 16:07 | 6 | | 243155 | 60317 | 171 | 427 | 353 | 1.73(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | Ma |
| 234.0406 | 20:04 | 20:05 | 3 | 1.237 | 322886 | 85376 | 515 | 1287 | 166 | | M |
| 236.0376 | 20:04 | 20:05 | 3 | 1.237 | 206366 | 53127 | 171 | 427 | 311 | 1.56(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:19 | 14:20 | 8 | 1.001 | 41648 | 8700 | 88 | 220 | 99 | | |
| 223.9974 | 14:19 | 14:20 | 8 | 1.001 | 25646 | 6010 | 47 | 117 | 128 | 1.62(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:30 | 14:31 | 9 | 1.014 | 3452 | 907 | 88 | 220 | 10 | | |
| 223.9974 | 14:28 | 14:31 | 8 | 1.012 | 2586 | 553 | 47 | 117 | 12 | 1.33(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | RQa |
| 222.0003 | 16:14 | 16:15 | 6 | 1.135 | 13507 | 3321 | 88 | 220 | 38 | | a |
| | Empc Correction | | | | 10798 | 3286 | 88 | 220 | 37 | | |
| 223.9974 | 16:14 | 16:15 | 6 | 1.135 | 6922 | 2107 | 47 | 117 | 45 | 1.95(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | a |
| 222.0003 | 16:24 | 16:25 | 5 | 1.146 | 11103 | 2766 | 88 | 220 | 31 | | a |
| 223.9974 | 16:24 | 16:25 | 5 | 1.146 | 7182 | 2137 | 47 | 117 | 45 | 1.55(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | a |
| 222.0003 | 16:38 | 16:39 | 5 | 1.163 | 62192 | 15821 | 88 | 220 | 180 | | a |
| 223.9974 | 16:38 | 16:39 | 5 | 1.163 | 37119 | 9326 | 47 | 117 | 198 | 1.68(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | Ma |
| 222.0003 | 16:56 | 16:56 | 6 | 1.185 | 3929 | 1766 | 88 | 220 | 20 | | M |
| 223.9974 | 16:56 | 16:56 | 6 | 1.185 | 2528 | 1265 | 47 | 117 | 27 | 1.55(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | Ma |
| 222.0003 | 17:04 | 17:04 | 5 | 1.193 | 256244 | 64660 | 88 | 220 | 735 | | M |
| 223.9974 | 17:03 | 17:04 | 4 | 1.192 | 154530 | 40648 | 47 | 117 | 865 | 1.66(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | | | | | | 88 | 220 | | | |
| 223.9974 | 18:38 | | | | | | 47 | 117 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:29 | 19:29 | 4 | 0.971 | 5438 | 1485 | 88 | 220 | 17 | | |
| 223.9974 | 19:29 | 19:29 | 4 | 0.971 | 3614 | 984 | 47 | 117 | 21 | 1.50(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:46 | 1 | 0.984 | 25660 | 5012 | 88 | 220 | 57 | | |
| 223.9974 | 19:45 | 19:46 | 1 | 0.984 | 15826 | 2800 | 47 | 117 | 60 | 1.62(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:46 | 1 | 0.984 | 25660 | 5012 | 88 | 220 | 57 | | |
| 223.9974 | 19:45 | 19:46 | 1 | 0.984 | 15826 | 2800 | 47 | 117 | 60 | 1.62(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:05 | 4 | 1.001 | 117323 | 27260 | 88 | 220 | 310 | | |
| 223.9974 | 20:05 | 20:05 | 3 | 1.001 | 76249 | 18225 | 47 | 117 | 388 | 1.54(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:17 | 4 | 0.843 | 114161 | 28910 | 435 | 1087 | 66 | | |
| 269.9986 | 17:19 | 17:17 | 4 | 0.843 | 110044 | 28555 | 345 | 862 | 83 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:29 | 3 | | 251852 | 60931 | 435 | 1087 | 140 | | |
| 269.9986 | 20:31 | 20:29 | 2 | | 238461 | 58699 | 345 | 862 | 170 | 1.06(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:45 | 2 | | 561902 | 137073 | 389 | 972 | 352 | | |
| 269.9986 | 22:47 | 22:45 | 2 | | 527799 | 125742 | 216 | 540 | 582 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:05 | 1 | 1.013 | 495939 | 118323 | 389 | 972 | 304 | | |
| 269.9986 | 23:04 | 23:05 | 1 | 1.013 | 457051 | 103731 | 216 | 540 | 480 | 1.09(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:03 | 27:05 | 0 | 1.188 | 453688 | 99980 | 389 | 972 | 257 | | |
| 269.9986 | 27:03 | 27:05 | 0 | 1.188 | 411288 | 89651 | 216 | 540 | 415 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:22 | 4 | 1.002 | 18496 | 4804 | 34 | 85 | 141 | | |
| 257.9584 | 17:21 | 17:22 | 4 | 1.002 | 17225 | 4552 | 44 | 110 | 103 | 1.07(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:12 | 4 | 1.107 | 244788 | 62648 | 34 | 85 | 1843 | | |
| 257.9584 | 19:11 | 19:12 | 4 | 1.107 | 231411 | 60782 | 44 | 110 | 1381 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:12 | 4 | 1.107 | 244788 | 62648 | 34 | 85 | 1843 | | |
| 257.9584 | 19:11 | 19:12 | 4 | 1.107 | 231411 | 60782 | 44 | 110 | 1381 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | 19:36 | 3 | 1.131 | 145813 | 37682 | 34 | 85 | 1108 | | |
| 257.9584 | 19:36 | 19:36 | 3 | 1.131 | 132610 | 34073 | 44 | 110 | 774 | 1.10(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | 19:49 | 3 | 1.143 | 22852 | 5883 | 34 | 85 | 173 | | |
| 257.9584 | 19:48 | 19:49 | 3 | 1.143 | 23257 | 5895 | 44 | 110 | 134 | 0.98(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | RQMa |
| 255.9613 | 19:58 | 19:57 | 5 | 1.153 | 3633 | 1086 | 34 | 85 | 32 | | M |
| | Empc Correction | | | | 2668 | 1036 | 34 | 85 | 30 | | |
| 257.9584 | 19:56 | 19:57 | 3 | 1.151 | 2566 | 997 | 44 | 110 | 23 | 1.42(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | Ma |
| 255.9613 | 20:02 | 20:03 | 2 | 1.157 | 75915 | 18788 | 34 | 85 | 553 | | M |
| 257.9584 | 20:02 | 20:03 | 2 | 1.157 | 70805 | 17672 | 44 | 110 | 402 | 1.07(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | Ma |
| 255.9613 | 20:33 | 20:34 | 2 | 1.187 | 126889 | 32039 | 34 | 85 | 942 | | M |
| 257.9584 | 20:33 | 20:34 | 2 | 1.187 | 120842 | 30966 | 44 | 110 | 704 | 1.05(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | a |
| 255.9613 | 21:49 | 21:49 | 2 | 1.259 | 22875 | 5285 | 669 | 1672 | 8 | | a |
| 257.9584 | 21:48 | 21:49 | 1 | 1.259 | 22400 | 5827 | 722 | 1805 | 8 | 1.02(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:03 | | | | | | 669 | 1672 | | | |
| 257.9584 | 22:03 | | | | | | 722 | 1805 | | | |
| PCB-26 | | | | | | | | | | | a |
| 255.9613 | 22:15 | 22:16 | 0 | 1.285 | 209060 | 51724 | 669 | 1672 | 77 | | a |
| 257.9584 | 22:15 | 22:16 | 0 | 1.285 | 196071 | 48286 | 722 | 1805 | 67 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | a |
| 255.9613 | 22:15 | 22:16 | 0 | 1.285 | 209060 | 51724 | 669 | 1672 | 77 | | a |
| 257.9584 | 22:15 | 22:16 | 0 | 1.285 | 196071 | 48286 | 722 | 1805 | 67 | 1.07(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:29 | 22:28 | 1 | 0.831 | 145653 | 34919 | 669 | 1672 | 52 | | |
| 257.9584 | 22:29 | 22:28 | 1 | 0.831 | 134255 | 30820 | 722 | 1805 | 43 | 1.08(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:46 | 2 | 0.843 | 1088131 | 264746 | 669 | 1672 | 396 | | |
| 257.9584 | 22:48 | 22:46 | 2 | 0.843 | 1036881 | 251962 | 722 | 1805 | 349 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:04 | 1 | 0.854 | 1522082 | 361918 | 669 | 1672 | 541 | | |
| 257.9584 | 23:06 | 23:04 | 1 | 0.854 | 1425824 | 334985 | 722 | 1805 | 464 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:04 | 1 | 0.854 | 1522082 | 361918 | 669 | 1672 | 541 | | |
| 257.9584 | 23:06 | 23:04 | 1 | 0.854 | 1425824 | 334985 | 722 | 1805 | 464 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | Ma |
| 255.9613 | 23:19 | 23:18 | 1 | 0.862 | 663590 | 158663 | 669 | 1672 | 237 | | M |
| 257.9584 | 23:19 | 23:18 | 1 | 0.862 | 618028 | 149202 | 722 | 1805 | 207 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | Ma |
| 255.9613 | 23:19 | 23:18 | 1 | 0.862 | 663590 | 158663 | 669 | 1672 | 237 | | M |
| 257.9584 | 23:19 | 23:18 | 1 | 0.862 | 618028 | 149202 | 722 | 1805 | 207 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:43 | 23:42 | 1 | 0.877 | 267102 | 63974 | 669 | 1672 | 96 | | |
| 257.9584 | 23:43 | 23:42 | 1 | 0.877 | 251256 | 61028 | 722 | 1805 | 85 | 1.06(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | RnMa |
| 255.9613 | 25:17 | 25:16 | 2 | 0.935 | 7352 | 1131 | 669 | 1672 | 2 | | M |
| 257.9584 | 25:17 | 25:16 | 2 | 0.935 | 4397 | 1017 | 722 | 1805 | 1 | 1.67(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | RQMa |
| 255.9613 | 25:38 | 25:36 | 2 | 0.948 | 31970 | 5142 | 669 | 1672 | 8 | | M |
| | Empc Correction | | | | 26247 | 4232 | 669 | 1672 | 6 | | |
| 257.9584 | 25:38 | 25:36 | 2 | 0.948 | 25238 | 4070 | 722 | 1805 | 6 | 1.27(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:13 | | | | | | 669 | 1672 | | | |
| 257.9584 | 26:13 | | | | | | 722 | 1805 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:40 | 26:39 | 1 | 0.986 | 15060 | 3461 | 669 | 1672 | 5 | | |
| 257.9584 | 26:40 | 26:39 | 1 | 0.986 | 13173 | 3041 | 722 | 1805 | 4 | 1.14(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:04 | 27:03 | 1 | 1.001 | 313654 | 65277 | 669 | 1672 | 98 | | |
| 257.9584 | 27:04 | 27:03 | 0 | 1.000 | 295880 | 63185 | 722 | 1805 | 88 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:20 | 3 | 0.818 | 97311 | 24028 | 142 | 355 | 169 | | |
| 303.9597 | 20:22 | 20:20 | 3 | 0.818 | 123956 | 32136 | 9 | 22 | 3571 | 0.79(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:53 | 24:53 | 0 | | 274055 | 66817 | 153 | 382 | 437 | | |
| 303.9597 | 24:53 | 24:53 | 0 | | 336803 | 77923 | 40 | 100 | 1948 | 0.81(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:47 | 33:48 | 0 | 1.358 | 289063 | 59230 | 153 | 382 | 387 | | |
| 303.9597 | 33:47 | 33:48 | 0 | 1.358 | 349085 | 73366 | 40 | 100 | 1834 | 0.83(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:21 | 34:22 | 0 | 1.380 | 298259 | 61357 | 153 | 382 | 401 | | |
| 303.9597 | 34:21 | 34:22 | 0 | 1.380 | 362052 | 74991 | 40 | 100 | 1875 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:22 | 20:21 | 1 | 1.000 | 3115 | 871 | 5 | 12 | 174 | | |
| 291.9194 | 20:24 | 20:21 | 3 | 1.001 | 3682 | 864 | 15 | 37 | 58 | 0.85(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | 0 | 1.106 | 173693 | 41402 | 259 | 647 | 160 | | |
| 291.9194 | 22:31 | 22:34 | 0 | 1.106 | 216987 | 52113 | 243 | 607 | 214 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | 0 | 1.106 | 173693 | 41402 | 259 | 647 | 160 | | |
| 291.9194 | 22:31 | 22:34 | 0 | 1.106 | 216987 | 52113 | 243 | 607 | 214 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:11 | 23:16 | -4 | 1.138 | 182044 | 23974 | 259 | 647 | 93 | | M |
| 291.9194 | 23:11 | 23:16 | -4 | 1.138 | 224278 | 30691 | 243 | 607 | 126 | 0.81(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:11 | 23:16 | -4 | 1.138 | 182044 | 23974 | 259 | 647 | 93 | | M |
| 291.9194 | 23:11 | 23:16 | -4 | 1.138 | 224278 | 30691 | 243 | 607 | 126 | 0.81(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:29 | 23:30 | 0 | 1.153 | 49983 | 12166 | 259 | 647 | 47 | | |
| 291.9194 | 23:29 | 23:30 | 0 | 1.153 | 62685 | 14498 | 243 | 607 | 60 | 0.80(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:55 | 24:56 | 1 | 1.223 | 3819881 | 888829 | 259 | 647 | 3432 | | |
| 291.9194 | 24:55 | 24:56 | 1 | 1.223 | 4755878 | 1100168 | 243 | 607 | 4527 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | RQ |
| 289.9224 | 25:08 | 25:03 | 6 | 1.235 | 32180 | 6345 | 259 | 647 | 24 | | |
| | Empc Correction | | | | 25964 | 5907 | 259 | 647 | 23 | | |
| 291.9194 | 25:08 | 25:03 | 6 | 1.235 | 33720 | 7672 | 243 | 607 | 32 | 0.95(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | RQ |
| 289.9224 | 25:08 | 25:03 | 6 | 1.235 | 32180 | 6345 | 259 | 647 | 24 | | |
| | Empc Correction | | | | 25964 | 5907 | 259 | 647 | 23 | | |
| 291.9194 | 25:08 | 25:03 | 6 | 1.235 | 33720 | 7672 | 243 | 607 | 32 | 0.95(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:24 | 3 | 1.247 | 2004241 | 471532 | 259 | 647 | 1821 | | |
| 291.9194 | 25:24 | 25:24 | 3 | 1.247 | 2517149 | 589956 | 243 | 607 | 2428 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:24 | 3 | 1.247 | 2004241 | 471532 | 259 | 647 | 1821 | | |
| 291.9194 | 25:24 | 25:24 | 3 | 1.247 | 2517149 | 589956 | 243 | 607 | 2428 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | a |
| 289.9224 | 25:41 | 25:44 | 0 | 1.261 | 180926 | 39773 | 259 | 647 | 154 | | a |
| 291.9194 | 25:41 | 25:44 | 0 | 1.261 | 220553 | 51952 | 243 | 607 | 214 | 0.82(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -1 | 1.271 | 2242012 | 382225 | 259 | 647 | 1476 | | |
| 291.9194 | 25:54 | 25:58 | -1 | 1.271 | 2805569 | 478299 | 243 | 607 | 1968 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -1 | 1.271 | 2242012 | 382225 | 259 | 647 | 1476 | | |
| 291.9194 | 25:54 | 25:58 | -1 | 1.271 | 2805569 | 478299 | 243 | 607 | 1968 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -1 | 1.271 | 2242012 | 382225 | 259 | 647 | 1476 | | |
| 291.9194 | 25:54 | 25:58 | -1 | 1.271 | 2805569 | 478299 | 243 | 607 | 1968 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 2 | 1.288 | 145290 | 22574 | 259 | 647 | 87 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.288 | 171621 | 28091 | 243 | 607 | 116 | 0.85(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 2 | 1.288 | 145290 | 22574 | 259 | 647 | 87 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.288 | 171621 | 28091 | 243 | 607 | 116 | 0.85(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 2 | 1.288 | 145290 | 22574 | 259 | 647 | 87 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.288 | 171621 | 28091 | 243 | 607 | 116 | 0.85(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | a |
| 289.9224 | 26:26 | 26:27 | 0 | 1.298 | 384786 | 87620 | 259 | 647 | 338 | | a |
| 291.9194 | 26:26 | 26:27 | 0 | 1.298 | 474653 | 110918 | 243 | 607 | 456 | 0.81(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:56 | 0 | 1.321 | 595984 | 125825 | 259 | 647 | 486 | | M |
| 291.9194 | 26:55 | 26:56 | 0 | 1.321 | 744316 | 160943 | 243 | 607 | 662 | 0.80(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:56 | 0 | 1.321 | 595984 | 125825 | 259 | 647 | 486 | | M |
| 291.9194 | 26:55 | 26:56 | 0 | 1.321 | 744316 | 160943 | 243 | 607 | 662 | 0.80(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:56 | 0 | 1.321 | 595984 | 125825 | 259 | 647 | 486 | | M |
| 291.9194 | 26:55 | 26:56 | 0 | 1.321 | 744316 | 160943 | 243 | 607 | 662 | 0.80(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | a |
| 289.9224 | 27:08 | 27:08 | 0 | 1.333 | 806442 | 180876 | 259 | 647 | 698 | | a |
| 291.9194 | 27:08 | 27:08 | 0 | 1.333 | 1007310 | 227028 | 243 | 607 | 934 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:58 | 27:57 | 0 | 0.828 | 126130 | 27478 | 259 | 647 | 106 | | |
| 291.9194 | 27:58 | 27:57 | 0 | 0.828 | 160357 | 36211 | 243 | 607 | 149 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:15 | 28:16 | 0 | 0.836 | 80053 | 15539 | 259 | 647 | 60 | | |
| 291.9194 | 28:15 | 28:16 | 0 | 0.836 | 95937 | 21835 | 243 | 607 | 90 | 0.83(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | RQMa |
| 289.9224 | 28:41 | 28:41 | 0 | 0.849 | 6329 | 1636 | 259 | 647 | 6 | | M |
| | Empc Correction | | | | 3169 | 1153 | 259 | 647 | 4 | | |
| 291.9194 | 28:41 | 28:41 | 0 | 0.849 | 4116 | 1498 | 243 | 607 | 6 | 1.54(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | RQMa |
| 289.9224 | 28:54 | 28:55 | 0 | 0.855 | 24979 | 6307 | 259 | 647 | 24 | | M |
| | Empc Correction | | | | 20575 | 5793 | 259 | 647 | 22 | | |
| 291.9194 | 28:54 | 28:55 | 0 | 0.855 | 26721 | 7524 | 243 | 607 | 31 | 0.93(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:04 | 29:05 | 0 | 0.860 | 42357 | 8082 | 259 | 647 | 31 | | |
| 291.9194 | 29:05 | 29:05 | 0 | 0.861 | 48861 | 9713 | 243 | 607 | 40 | 0.87(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:21 | 29:20 | 0 | 0.869 | 79299 | 18154 | 259 | 647 | 70 | | |
| 291.9194 | 29:20 | 29:20 | 0 | 0.868 | 99271 | 22374 | 243 | 607 | 92 | 0.80(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 4718585 | 824637 | 259 | 647 | 3184 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 5911600 | 1025471 | 243 | 607 | 4220 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 4718585 | 824637 | 259 | 647 | 3184 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 5911600 | 1025471 | 243 | 607 | 4220 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 4718585 | 824637 | 259 | 647 | 3184 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 5911600 | 1025471 | 243 | 607 | 4220 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 4718585 | 824637 | 259 | 647 | 3184 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 5911600 | 1025471 | 243 | 607 | 4220 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:00 | 30:01 | 0 | 0.888 | 2287731 | 479764 | 259 | 647 | 1852 | | M |
| 291.9194 | 30:00 | 30:01 | 0 | 0.888 | 2835334 | 598982 | 243 | 607 | 2465 | 0.81(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:08 | | | | | | 259 | 647 | | | |
| 291.9194 | 30:08 | | | | | | 243 | 607 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:40 | 30:39 | 0 | 0.907 | 636441 | 141141 | 259 | 647 | 545 | | |
| 291.9194 | 30:40 | 30:39 | 0 | 0.907 | 783252 | 172222 | 243 | 607 | 709 | 0.81(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:53 | 30:52 | 0 | 0.914 | 102512 | 21541 | 259 | 647 | 83 | | |
| 291.9194 | 30:53 | 30:52 | 0 | 0.914 | 131489 | 28868 | 243 | 607 | 119 | 0.78(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:19 | | | | | | 259 | 647 | | | |
| 291.9194 | 31:19 | | | | | | 243 | 607 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:49 | 32:48 | 0 | 0.971 | 115723 | 24291 | 259 | 647 | 94 | | |
| 291.9194 | 32:49 | 32:48 | 0 | 0.971 | 143382 | 29800 | 243 | 607 | 123 | 0.81(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:24 | | | | | | 259 | 647 | | | |
| 291.9194 | 33:24 | | | | | | 243 | 607 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:50 | | | | | | 259 | 647 | | | |
| 291.9194 | 33:50 | | | | | | 243 | 607 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:22 | 34:22 | 0 | 1.000 | 114051 | 23532 | 259 | 647 | 91 | | |
| 291.9194 | 34:22 | 34:22 | 0 | 1.000 | 138524 | 28396 | 243 | 607 | 117 | 0.82(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:50 | 25:49 | 0 | 0.814 | 269466 | 61262 | 53 | 132 | 1156 | | |
| 339.9178 | 25:50 | 25:49 | 0 | 0.814 | 162267 | 38309 | 52 | 130 | 737 | 1.66(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:43 | 31:43 | 0 | | 290761 | 63325 | 53 | 132 | 1195 | | |
| 339.9178 | 31:43 | 31:43 | 0 | | 175979 | 40661 | 52 | 130 | 782 | 1.65(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:24 | 34:24 | 0 | 1.085 | 325781 | 68260 | 53 | 132 | 1288 | | |
| 339.9178 | 34:24 | 34:24 | 0 | 1.085 | 193064 | 38817 | 52 | 130 | 746 | 1.69(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:21 | 36:22 | -1 | 1.146 | 388181 | 79248 | 605 | 1512 | 131 | | |
| 339.9178 | 36:21 | 36:22 | -1 | 1.146 | 231882 | 47566 | 667 | 1667 | 71 | 1.67(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:41 | 36:42 | 0 | 1.157 | 398912 | 79803 | 605 | 1512 | 132 | | |
| 339.9178 | 36:41 | 36:42 | 0 | 1.157 | 263017 | 52713 | 667 | 1667 | 79 | 1.52(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:13 | 37:13 | 0 | 1.173 | 395531 | 82781 | 605 | 1512 | 137 | | |
| 339.9178 | 37:13 | 37:13 | 0 | 1.173 | 248744 | 52865 | 667 | 1667 | 79 | 1.59(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:51 | 37:51 | 0 | 1.194 | 413367 | 85761 | 605 | 1512 | 142 | | |
| 339.9178 | 37:51 | 37:51 | 0 | 1.194 | 240610 | 48609 | 667 | 1667 | 73 | 1.72(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:21 | 39:20 | 1 | | 498980 | 103477 | 605 | 1512 | 171 | | |
| 339.9178 | 39:21 | 39:20 | 1 | | 318039 | 61451 | 667 | 1667 | 92 | 1.57(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:57 | 40:57 | 1 | 1.291 | 387437 | 76156 | 605 | 1512 | 126 | | |
| 339.9178 | 40:56 | 40:57 | 0 | 1.291 | 241794 | 44829 | 667 | 1667 | 67 | 1.60(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:52 | | | | | | 64 | 160 | | | |
| 327.8775 | 25:52 | | | | | | 38 | 95 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:13 | 26:14 | 0 | 1.015 | 49870 | 11428 | 64 | 160 | 179 | | |
| 327.8775 | 26:13 | 26:14 | 0 | 1.015 | 31967 | 6952 | 38 | 95 | 183 | 1.56(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:09 | 28:10 | 0 | 1.090 | 212823 | 47001 | 64 | 160 | 734 | | |
| 327.8775 | 28:09 | 28:10 | 0 | 1.090 | 131180 | 28485 | 38 | 95 | 750 | 1.62(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | Ma |
| 325.8804 | 28:22 | 28:23 | 0 | 1.098 | 25807 | 5612 | 64 | 160 | 88 | | M |
| 327.8775 | 28:22 | 28:23 | 0 | 1.098 | 17825 | 3790 | 38 | 95 | 100 | 1.45(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:48 | 28:49 | 0 | 1.115 | 5533364 | 1220957 | 64 | 160 | 19077 | | |
| 327.8775 | 28:48 | 28:49 | 0 | 1.115 | 3530026 | 783899 | 38 | 95 | 20629 | 1.57(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 0 | 1.124 | 134572 | 24933 | 64 | 160 | 390 | | |
| 327.8775 | 29:01 | 29:02 | 0 | 1.124 | 80611 | 15358 | 38 | 95 | 404 | 1.67(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 0 | 1.124 | 134572 | 24933 | 64 | 160 | 390 | | |
| 327.8775 | 29:01 | 29:02 | 0 | 1.124 | 80611 | 15358 | 38 | 95 | 404 | 1.67(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:11 | 0 | 1.130 | 200834 | 34420 | 64 | 160 | 538 | | |
| 327.8775 | 29:10 | 29:11 | 0 | 1.130 | 123754 | 21923 | 38 | 95 | 577 | 1.62(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:11 | 0 | 1.130 | 200834 | 34420 | 64 | 160 | 538 | | |
| 327.8775 | 29:10 | 29:11 | 0 | 1.130 | 123754 | 21923 | 38 | 95 | 577 | 1.62(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:40 | 29:41 | 0 | 1.149 | 1127273 | 243878 | 64 | 160 | 3811 | | |
| 327.8775 | 29:40 | 29:41 | 0 | 1.149 | 708524 | 155064 | 38 | 95 | 4081 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:40 | 29:41 | 0 | 1.149 | 1127273 | 243878 | 64 | 160 | 3811 | | |
| 327.8775 | 29:40 | 29:41 | 0 | 1.149 | 708524 | 155064 | 38 | 95 | 4081 | 1.59(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:53 | 29:54 | 0 | 1.157 | 1477708 | 324816 | 64 | 160 | 5075 | | |
| 327.8775 | 29:53 | 29:54 | 0 | 1.157 | 928279 | 202173 | 38 | 95 | 5320 | 1.59(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | RQMa |
| 325.8804 | 30:22 | 30:24 | 0 | 1.176 | 40546 | 6931 | 64 | 160 | 108 | | M |
| | Empc Correction | | | | 32536 | 6964 | 64 | 160 | 109 | | |
| 327.8775 | 30:21 | 30:24 | -1 | 1.175 | 20991 | 4493 | 38 | 95 | 118 | 1.93(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:49 | | | | | | 64 | 160 | | | |
| 327.8775 | 30:49 | | | | | | 38 | 95 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:09 | 31:09 | 0 | 0.857 | 1550690 | 337634 | 64 | 160 | 5276 | | |
| 327.8775 | 31:09 | 31:09 | 0 | 0.857 | 966632 | 213714 | 38 | 95 | 5624 | 1.60(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 0 | 1.229 | 7903659 | 1658754 | 64 | 160 | 25918 | | |
| 327.8775 | 31:45 | 31:45 | 0 | 1.229 | 5042269 | 1071714 | 38 | 95 | 28203 | 1.57(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 0 | 1.229 | 7903659 | 1658754 | 64 | 160 | 25918 | | |
| 327.8775 | 31:45 | 31:45 | 0 | 1.229 | 5042269 | 1071714 | 38 | 95 | 28203 | 1.57(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 0 | 1.229 | 7903659 | 1658754 | 64 | 160 | 25918 | | |
| 327.8775 | 31:45 | 31:45 | 0 | 1.229 | 5042269 | 1071714 | 38 | 95 | 28203 | 1.57(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:20 | 32:19 | 0 | 1.252 | 4112273 | 800125 | 64 | 160 | 12502 | | M |
| 327.8775 | 32:20 | 32:19 | 0 | 1.252 | 2577395 | 505770 | 38 | 95 | 13310 | 1.60(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:20 | 32:19 | 0 | 1.252 | 4112273 | 800125 | 64 | 160 | 12502 | | M |
| 327.8775 | 32:20 | 32:19 | 0 | 1.252 | 2577395 | 505770 | 38 | 95 | 13310 | 1.60(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:28 | | | | | | 64 | 160 | | | |
| 327.8775 | 32:28 | | | | | | 38 | 95 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:50 | 0 | 1.271 | 4288400 | 471540 | 64 | 160 | 7368 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.271 | 2696847 | 295137 | 38 | 95 | 7767 | 1.59(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:50 | 0 | 1.271 | 4288400 | 471540 | 64 | 160 | 7368 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.271 | 2696847 | 295137 | 38 | 95 | 7767 | 1.59(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:50 | 0 | 1.271 | 4288400 | 471540 | 64 | 160 | 7368 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.271 | 2696847 | 295137 | 38 | 95 | 7767 | 1.59(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:50 | 0 | 1.271 | 4288400 | 471540 | 64 | 160 | 7368 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.271 | 2696847 | 295137 | 38 | 95 | 7767 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:50 | 0 | 1.271 | 4288400 | 471540 | 64 | 160 | 7368 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.271 | 2696847 | 295137 | 38 | 95 | 7767 | 1.59(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:50 | 0 | 1.271 | 4288400 | 471540 | 64 | 160 | 7368 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.271 | 2696847 | 295137 | 38 | 95 | 7767 | 1.59(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:33 | 0 | 1.299 | 948657 | 158523 | 64 | 160 | 2477 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.299 | 576844 | 100288 | 38 | 95 | 2639 | 1.64(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:33 | 0 | 1.299 | 948657 | 158523 | 64 | 160 | 2477 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.299 | 576844 | 100288 | 38 | 95 | 2639 | 1.64(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:33 | 0 | 1.299 | 948657 | 158523 | 64 | 160 | 2477 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.299 | 576844 | 100288 | 38 | 95 | 2639 | 1.64(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:42 | 33:43 | -5 | 1.305 | 9239989 | 1870825 | 64 | 160 | 29232 | | a |
| 327.8775 | 33:42 | 33:43 | -5 | 1.305 | 5892501 | 1202846 | 38 | 95 | 31654 | 1.57(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:42 | 33:43 | -5 | 1.305 | 9239989 | 1870825 | 64 | 160 | 29232 | | a |
| 327.8775 | 33:42 | 33:43 | -5 | 1.305 | 5892501 | 1202846 | 38 | 95 | 31654 | 1.57(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:01 | 34:02 | 0 | 1.317 | 488650 | 98404 | 64 | 160 | 1538 | | |
| 327.8775 | 34:01 | 34:02 | 0 | 1.317 | 305291 | 61052 | 38 | 95 | 1607 | 1.60(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | | | | | | 64 | 160 | | | |
| 327.8775 | 34:28 | | | | | | 38 | 95 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:53 | 34:54 | 0 | 1.351 | 103839 | 19266 | 64 | 160 | 301 | | |
| 327.8775 | 34:54 | 34:54 | 0 | 1.351 | 60430 | 10885 | 38 | 95 | 286 | 1.72(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:01 | 36:03 | 0 | 1.395 | 292357 | 60669 | 1058 | 2645 | 57 | | |
| 327.8775 | 36:01 | 36:03 | 0 | 1.395 | 183471 | 38737 | 528 | 1320 | 73 | 1.59(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:01 | 36:03 | 0 | 1.395 | 292357 | 60669 | 1058 | 2645 | 57 | | |
| 327.8775 | 36:01 | 36:03 | 0 | 1.395 | 183471 | 38737 | 528 | 1320 | 73 | 1.59(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | Ma |
| 325.8804 | 36:16 | 36:17 | 1 | 1.405 | 783840 | 154843 | 1058 | 2645 | 146 | | M |
| 327.8775 | 36:16 | 36:17 | 1 | 1.405 | 488021 | 98733 | 528 | 1320 | 187 | 1.61(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:23 | 36:24 | 0 | 1.001 | 101345 | 24093 | 1058 | 2645 | 23 | | M |
| 327.8775 | 36:23 | 36:24 | 0 | 1.001 | 70376 | 14190 | 528 | 1320 | 27 | 1.44(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:30 | | | | | | 1058 | 2645 | | | |
| 327.8775 | 36:30 | | | | | | 528 | 1320 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:43 | 36:41 | 1 | 1.001 | 8403512 | 1648070 | 1058 | 2645 | 1558 | | |
| 327.8775 | 36:43 | 36:41 | 1 | 1.001 | 5376469 | 1070013 | 528 | 1320 | 2027 | 1.56(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:03 | 37:02 | 0 | 1.010 | 90601 | 17153 | 1058 | 2645 | 16 | | |
| 327.8775 | 37:03 | 37:02 | -1 | 1.010 | 59835 | 10567 | 528 | 1320 | 20 | 1.51(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | Ma |
| 325.8804 | 37:14 | 37:14 | 0 | 1.001 | 153633 | 28872 | 1058 | 2645 | 27 | | M |
| 327.8775 | 37:14 | 37:14 | 0 | 1.001 | 100179 | 18224 | 528 | 1320 | 35 | 1.53(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:53 | 37:52 | 0 | 1.001 | 2590073 | 513228 | 1058 | 2645 | 485 | | |
| 327.8775 | 37:53 | 37:52 | 0 | 1.001 | 1653387 | 326457 | 528 | 1320 | 618 | 1.57(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:22 | | | | | | 1058 | 2645 | | | |
| 327.8775 | 39:22 | | | | | | 528 | 1320 | | | |
| PCB-126 | | | | | | | | | | | nMa |
| 325.8804 | 40:58 | 41:00 | 0 | 1.000 | 10496 | 2462 | 1058 | 2645 | 2 | | M |
| 327.8775 | 40:58 | 41:00 | 0 | 1.000 | 6403 | 1437 | 528 | 1320 | 3 | 1.64(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:30 | 31:30 | 0 | 0.791 | 254378 | 53319 | 56 | 140 | 952 | | |
| 373.8788 | 31:29 | 31:30 | -1 | 0.791 | 197988 | 42621 | 117 | 292 | 364 | 1.28(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:48 | 39:48 | 0 | | 335817 | 66785 | 195 | 487 | 342 | | |
| 373.8788 | 39:48 | 39:48 | 0 | | 274037 | 56369 | 262 | 655 | 215 | 1.23(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:49 | 42:49 | 0 | 1.076 | 332840 | 65140 | 195 | 487 | 334 | | |
| 373.8788 | 42:49 | 42:49 | 0 | 1.076 | 274351 | 54545 | 262 | 655 | 208 | 1.21(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:57 | 0 | 1.104 | 632720 | 90817 | 195 | 487 | 466 | | |
| 373.8788 | 43:58 | 43:57 | 1 | 1.105 | 509192 | 73693 | 262 | 655 | 281 | 1.24(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:57 | 0 | 1.104 | 632720 | 90817 | 195 | 487 | 466 | | |
| 373.8788 | 43:58 | 43:57 | 1 | 1.105 | 509192 | 73693 | 262 | 655 | 281 | 1.24(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:12 | 47:12 | 0 | 1.186 | 336851 | 64745 | 195 | 487 | 332 | | |
| 373.8788 | 47:12 | 47:12 | 0 | 1.186 | 258015 | 54660 | 262 | 655 | 209 | 1.31(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:32 | | | | | | 22 | 55 | | | |
| 361.8385 | 31:32 | | | | | | 26 | 65 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:43 | 31:42 | 0 | 1.007 | 6640 | 1507 | 22 | 55 | 69 | | |
| 361.8385 | 31:42 | 31:42 | 0 | 1.006 | 5465 | 1123 | 26 | 65 | 43 | 1.22(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | 31:53 | 0 | 1.012 | 55527 | 11551 | 22 | 55 | 525 | | |
| 361.8385 | 31:52 | 31:53 | -1 | 1.012 | 42659 | 9188 | 26 | 65 | 353 | 1.30(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:14 | 32:13 | 0 | 1.023 | 1201607 | 256402 | 22 | 55 | 11655 | | |
| 361.8385 | 32:14 | 32:13 | 0 | 1.023 | 958760 | 205505 | 26 | 65 | 7904 | 1.25(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQ |
| 359.8415 | 32:32 | 32:34 | 0 | 1.033 | 3424 | 689 | 22 | 55 | 31 | | |
| 361.8385 | 32:30 | 32:34 | -2 | 1.032 | 5143 | 712 | 26 | 65 | 27 | 0.67(1.05-1.43) | |
| | Empc Correction | | | | 2761 | 555 | 26 | 65 | 21 | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:03 | 34:03 | 0 | 1.081 | 45978 | 9529 | 22 | 55 | 433 | | |
| 361.8385 | 34:03 | 34:03 | 0 | 1.081 | 35291 | 7202 | 26 | 65 | 277 | 1.30(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:38 | 34:37 | 0 | 1.099 | 2155870 | 285625 | 22 | 55 | 12983 | | |
| 361.8385 | 34:38 | 34:37 | 0 | 1.099 | 1697088 | 228221 | 26 | 65 | 8778 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:38 | 34:37 | 0 | 1.099 | 2155870 | 285625 | 22 | 55 | 12983 | | |
| 361.8385 | 34:38 | 34:37 | 0 | 1.099 | 1697088 | 228221 | 26 | 65 | 8778 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:54 | 34:53 | 0 | 1.108 | 290875 | 59726 | 22 | 55 | 2715 | | |
| 361.8385 | 34:54 | 34:53 | 0 | 1.108 | 225163 | 45581 | 26 | 65 | 1753 | 1.29(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:12 | 35:12 | 0 | 1.118 | 231066 | 46963 | 22 | 55 | 2135 | | |
| 361.8385 | 35:12 | 35:12 | 0 | 1.118 | 181982 | 36304 | 26 | 65 | 1396 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:33 | 0 | 1.129 | 7342673 | 1479167 | 134 | 335 | 11039 | | |
| 361.8385 | 35:34 | 35:33 | 0 | 1.129 | 5885462 | 1195206 | 207 | 517 | 5774 | 1.25(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:33 | 0 | 1.129 | 7342673 | 1479167 | 134 | 335 | 11039 | | |
| 361.8385 | 35:34 | 35:33 | 0 | 1.129 | 5885462 | 1195206 | 207 | 517 | 5774 | 1.25(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:46 | 35:46 | -6 | 1.135 | 407855 | 76404 | 134 | 335 | 570 | | a |
| 361.8385 | 35:46 | 35:46 | -6 | 1.135 | 315127 | 57437 | 207 | 517 | 277 | 1.29(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:46 | 35:46 | -6 | 1.135 | 407855 | 76404 | 134 | 335 | 570 | | a |
| 361.8385 | 35:46 | 35:46 | -6 | 1.135 | 315127 | 57437 | 207 | 517 | 277 | 1.29(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:09 | 0 | 1.148 | 185911 | 33806 | 134 | 335 | 252 | | |
| 361.8385 | 36:10 | 36:09 | 0 | 1.148 | 147495 | 27510 | 207 | 517 | 133 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:09 | 0 | 1.148 | 185911 | 33806 | 134 | 335 | 252 | | |
| 361.8385 | 36:10 | 36:09 | 0 | 1.148 | 147495 | 27510 | 207 | 517 | 133 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:22 | 36:21 | 0 | 1.154 | 85988 | 16568 | 134 | 335 | 124 | | |
| 361.8385 | 36:22 | 36:21 | 0 | 1.154 | 73114 | 15494 | 207 | 517 | 75 | 1.18(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:32 | | | | | | 134 | 335 | | | |
| 361.8385 | 36:32 | | | | | | 207 | 517 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:49 | 36:49 | 0 | 1.169 | 2347954 | 481943 | 134 | 335 | 3597 | | |
| 361.8385 | 36:49 | 36:49 | 0 | 1.169 | 1870098 | 379349 | 207 | 517 | 1833 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:20 | 37:19 | 0 | 1.185 | 200045 | 40701 | 134 | 335 | 304 | | |
| 361.8385 | 37:20 | 37:19 | 0 | 1.185 | 162391 | 32349 | 207 | 517 | 156 | 1.23(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:44 | | | | | | 134 | 335 | | | |
| 361.8385 | 37:44 | | | | | | 207 | 517 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:59 | 37:59 | 0 | 0.887 | 1912962 | 385942 | 134 | 335 | 2880 | | |
| 361.8385 | 37:59 | 37:59 | 0 | 0.887 | 1531164 | 306800 | 207 | 517 | 1482 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:07 | | | | | | 134 | 335 | | | |
| 361.8385 | 38:07 | | | | | | 207 | 517 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:37 | -2 | 0.901 | 8672190 | 1710556 | 134 | 335 | 12765 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.901 | 6930265 | 1372913 | 207 | 517 | 6632 | 1.25(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:37 | -2 | 0.901 | 8672190 | 1710556 | 134 | 335 | 12765 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.901 | 6930265 | 1372913 | 207 | 517 | 6632 | 1.25(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.906 | 1161085 | 231154 | 134 | 335 | 1725 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.906 | 934566 | 186935 | 207 | 517 | 903 | 1.24(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:11 | 39:11 | 0 | 0.915 | 461633 | 90078 | 134 | 335 | 672 | | |
| 361.8385 | 39:11 | 39:11 | 0 | 0.915 | 374515 | 72709 | 207 | 517 | 351 | 1.23(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:25 | 39:24 | 0 | 0.920 | 298270 | 61555 | 134 | 335 | 459 | | |
| 361.8385 | 39:25 | 39:24 | 0 | 0.920 | 240952 | 49838 | 207 | 517 | 241 | 1.24(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:31 | 0 | 0.923 | 717995 | 142140 | 134 | 335 | 1061 | | |
| 361.8385 | 39:32 | 39:31 | 0 | 0.923 | 564920 | 112906 | 207 | 517 | 545 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:50 | 0 | 0.930 | 7913397 | 1490408 | 134 | 335 | 11122 | | |
| 361.8385 | 39:50 | 39:50 | 0 | 0.930 | 6341128 | 1200238 | 207 | 517 | 5798 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:50 | 0 | 0.930 | 7913397 | 1490408 | 134 | 335 | 11122 | | |
| 361.8385 | 39:50 | 39:50 | 0 | 0.930 | 6341128 | 1200238 | 207 | 517 | 5798 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:50 | 0 | 0.930 | 7913397 | 1490408 | 134 | 335 | 11122 | | |
| 361.8385 | 39:50 | 39:50 | 0 | 0.930 | 6341128 | 1200238 | 207 | 517 | 5798 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:50 | 39:50 | 0 | 0.930 | 7913397 | 1490408 | 134 | 335 | 11122 | | |
| 361.8385 | 39:50 | 39:50 | 0 | 0.930 | 6341128 | 1200238 | 207 | 517 | 5798 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:13 | 40:13 | 0 | 0.939 | 929607 | 177149 | 134 | 335 | 1322 | | |
| 361.8385 | 40:13 | 40:13 | 0 | 0.939 | 740836 | 141366 | 207 | 517 | 683 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | Ma |
| 359.8415 | 41:06 | 41:06 | 1 | 0.960 | 1254962 | 216446 | 134 | 335 | 1615 | | M |
| 361.8385 | 41:05 | 41:06 | 1 | 0.959 | 978963 | 172069 | 207 | 517 | 831 | 1.28(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | Ma |
| 359.8415 | 41:06 | 41:06 | 1 | 0.960 | 1254962 | 216446 | 134 | 335 | 1615 | | M |
| 361.8385 | 41:05 | 41:06 | 1 | 0.959 | 978963 | 172069 | 207 | 517 | 831 | 1.28(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:03 | 42:04 | -2 | 0.982 | 121796 | 23193 | 134 | 335 | 173 | | |
| 361.8385 | 42:03 | 42:04 | -2 | 0.982 | 98627 | 19213 | 207 | 517 | 93 | 1.23(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | Ma |
| 359.8415 | 42:23 | 42:23 | 1 | 0.990 | 29898 | 5803 | 134 | 335 | 43 | | M |
| 361.8385 | 42:22 | 42:23 | 0 | 0.989 | 23684 | 4884 | 207 | 517 | 24 | 1.26(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:51 | 42:50 | 0 | 1.001 | 324695 | 67175 | 134 | 335 | 501 | | |
| 361.8385 | 42:51 | 42:50 | 0 | 1.001 | 261671 | 51421 | 207 | 517 | 248 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:59 | -1 | 1.000 | 1008604 | 180353 | 134 | 335 | 1346 | | |
| 361.8385 | 43:58 | 43:59 | -1 | 1.000 | 797205 | 141199 | 207 | 517 | 682 | 1.27(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:59 | -1 | 1.000 | 1008604 | 180353 | 134 | 335 | 1346 | | |
| 361.8385 | 43:58 | 43:59 | -1 | 1.000 | 797205 | 141199 | 207 | 517 | 682 | 1.27(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:13 | | | | | | 134 | 335 | | | |
| 361.8385 | 47:13 | | | | | | 207 | 517 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:14 | 37:13 | 0 | 0.820 | 277457 | 59033 | 118 | 295 | 500 | | |
| 407.8398 | 37:14 | 37:13 | 0 | 0.820 | 251053 | 51666 | 157 | 392 | 329 | 1.11(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:16 | 40:15 | 0 | 0.888 | 212404 | 42113 | 118 | 295 | 357 | | |
| 407.8398 | 40:16 | 40:15 | 0 | 0.888 | 193981 | 40644 | 157 | 392 | 259 | 1.09(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:22 | 45:22 | 0 | | 261287 | 50650 | 118 | 295 | 429 | | |
| 407.8398 | 45:22 | 45:22 | 0 | | 225782 | 46342 | 157 | 392 | 295 | 1.16(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:37 | 46:36 | 0 | 1.027 | 180642 | 36038 | 118 | 295 | 305 | | |
| 407.8398 | 46:37 | 46:36 | 0 | 1.027 | 156707 | 31247 | 157 | 392 | 199 | 1.15(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:45 | 49:43 | 0 | 1.096 | 371124 | 77042 | 512 | 1280 | 150 | | |
| 407.8398 | 49:45 | 49:43 | 0 | 1.096 | 349956 | 68377 | 469 | 1172 | 146 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:15 | | | | | | 25 | 62 | | | |
| 395.7995 | 37:15 | | | | | | 26 | 65 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:35 | 37:34 | 0 | 1.009 | 1041518 | 212341 | 25 | 62 | 8494 | | |
| 395.7995 | 37:35 | 37:34 | 0 | 1.009 | 991927 | 202382 | 26 | 65 | 7784 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:08 | | | | | | 25 | 62 | | | |
| 395.7995 | 38:08 | | | | | | 26 | 65 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:27 | 38:26 | 0 | 1.033 | 312518 | 64539 | 25 | 62 | 2582 | | |
| 395.7995 | 38:27 | 38:26 | 0 | 1.033 | 295447 | 58655 | 26 | 65 | 2256 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:55 | | | | | | 25 | 62 | | | |
| 395.7995 | 38:55 | | | | | | 26 | 65 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:18 | 40:17 | 0 | 1.083 | 385443 | 76664 | 25 | 62 | 3067 | | |
| 395.7995 | 40:18 | 40:17 | 0 | 1.083 | 365853 | 73797 | 26 | 65 | 2838 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:56 | 40:54 | 0 | 1.099 | 70800 | 14364 | 25 | 62 | 575 | | |
| 395.7995 | 40:56 | 40:54 | 0 | 1.099 | 68133 | 14118 | 26 | 65 | 543 | 1.04(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:12 | 41:11 | 0 | 1.107 | 2286276 | 454537 | 25 | 62 | 18181 | | |
| 395.7995 | 41:12 | 41:11 | 0 | 1.107 | 2177448 | 433120 | 26 | 65 | 16658 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:25 | 41:23 | 0 | 1.112 | 23844 | 3657 | 25 | 62 | 146 | | |
| 395.7995 | 41:25 | 41:23 | 0 | 1.112 | 21780 | 3599 | 26 | 65 | 138 | 1.09(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:47 | 0 | 1.123 | 1172706 | 200567 | 25 | 62 | 8023 | | |
| 395.7995 | 41:49 | 41:47 | 0 | 1.123 | 1097221 | 192805 | 26 | 65 | 7416 | 1.07(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:47 | 0 | 1.123 | 1172706 | 200567 | 25 | 62 | 8023 | | |
| 395.7995 | 41:49 | 41:47 | 0 | 1.123 | 1097221 | 192805 | 26 | 65 | 7416 | 1.07(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:03 | 42:02 | 0 | 1.130 | 1549194 | 304436 | 25 | 62 | 12177 | | |
| 395.7995 | 42:03 | 42:02 | 0 | 1.130 | 1461111 | 284472 | 26 | 65 | 10941 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:29 | 42:27 | 0 | 1.141 | 942517 | 187831 | 25 | 62 | 7513 | | |
| 395.7995 | 42:29 | 42:27 | 0 | 1.141 | 897208 | 177940 | 26 | 65 | 6844 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:52 | 42:54 | -1 | 1.152 | 16691 | 2932 | 25 | 62 | 117 | | |
| 395.7995 | 42:53 | 42:54 | 0 | 1.152 | 15611 | 2854 | 26 | 65 | 110 | 1.07(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:07 | 43:04 | 1 | 1.158 | 472827 | 92755 | 25 | 62 | 3710 | | |
| 395.7995 | 43:07 | 43:04 | 1 | 1.158 | 449285 | 85428 | 26 | 65 | 3286 | 1.05(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:07 | 43:04 | 1 | 1.158 | 472827 | 92755 | 25 | 62 | 3710 | | |
| 395.7995 | 43:07 | 43:04 | 1 | 1.158 | 449285 | 85428 | 26 | 65 | 3286 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:45 | 44:44 | 0 | 0.900 | 248794 | 48591 | 25 | 62 | 1944 | | |
| 395.7995 | 44:45 | 44:44 | 0 | 0.900 | 231491 | 44149 | 26 | 65 | 1698 | 1.07(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:02 | | | | | | 25 | 62 | | | |
| 395.7995 | 45:02 | | | | | | 26 | 65 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:20 | 3 | 0.913 | 3787849 | 703199 | 25 | 62 | 28128 | | |
| 395.7995 | 45:24 | 45:20 | 3 | 0.913 | 3587744 | 668609 | 26 | 65 | 25716 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:20 | 3 | 0.913 | 3787849 | 703199 | 25 | 62 | 28128 | | |
| 395.7995 | 45:24 | 45:20 | 3 | 0.913 | 3587744 | 668609 | 26 | 65 | 25716 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:45 | 45:44 | 1 | 0.920 | 87964 | 15465 | 25 | 62 | 619 | | |
| 395.7995 | 45:44 | 45:44 | 0 | 0.919 | 83790 | 14651 | 26 | 65 | 564 | 1.05(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:38 | 46:38 | 0 | 0.938 | 1353472 | 264238 | 25 | 62 | 10570 | | |
| 395.7995 | 46:38 | 46:38 | 0 | 0.938 | 1269014 | 245836 | 26 | 65 | 9455 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:10 | 47:09 | 0 | 0.948 | 393786 | 77192 | 25 | 62 | 3088 | | |
| 395.7995 | 47:10 | 47:09 | 0 | 0.948 | 373927 | 75192 | 26 | 65 | 2892 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:45 | 49:45 | 0 | 1.000 | 105887 | 21445 | 142 | 355 | 151 | | |
| 395.7995 | 49:45 | 49:45 | 0 | 1.000 | 100307 | 18541 | 91 | 227 | 204 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:35 | 42:35 | -1 | 0.821 | 205898 | 41414 | 103 | 257 | 402 | | |
| 441.8008 | 42:36 | 42:35 | 0 | 0.821 | 216253 | 42859 | 76 | 190 | 564 | 0.95(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:51 | 51:51 | 0 | | 284808 | 56357 | 385 | 962 | 146 | | |
| 441.8008 | 51:51 | 51:51 | 0 | | 306767 | 59818 | 233 | 582 | 257 | 0.93(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:20 | 52:19 | 0 | 1.009 | 264912 | 52420 | 385 | 962 | 136 | | |
| 441.8008 | 52:20 | 52:19 | 0 | 1.009 | 281014 | 55247 | 233 | 582 | 237 | 0.94(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:37 | 42:36 | 0 | 1.001 | 157811 | 30852 | 26 | 65 | 1187 | | |
| 429.7606 | 42:37 | 42:36 | 0 | 1.001 | 178094 | 36923 | 35 | 87 | 1055 | 0.89(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:32 | 43:31 | 0 | 1.022 | 113291 | 21933 | 26 | 65 | 844 | | |
| 429.7606 | 43:32 | 43:31 | 0 | 1.022 | 130236 | 26431 | 35 | 87 | 755 | 0.87(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:13 | | | | | | 26 | 65 | | | |
| 429.7606 | 44:13 | | | | | | 35 | 87 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:27 | 44:25 | 0 | 1.044 | 31097 | 7152 | 26 | 65 | 275 | | |
| 429.7606 | 44:27 | 44:25 | 0 | 1.044 | 34142 | 8105 | 35 | 87 | 232 | 0.91(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:33 | 44:32 | 0 | 1.046 | 111744 | 21778 | 26 | 65 | 838 | | |
| 429.7606 | 44:33 | 44:32 | 0 | 1.046 | 123791 | 22981 | 35 | 87 | 657 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:21 | 47:19 | 1 | 1.112 | 625796 | 120804 | 26 | 65 | 4646 | | |
| 429.7606 | 47:21 | 47:19 | 1 | 1.112 | 680157 | 127910 | 35 | 87 | 3655 | 0.92(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:21 | 47:19 | 1 | 1.112 | 625796 | 120804 | 26 | 65 | 4646 | | |
| 429.7606 | 47:21 | 47:19 | 1 | 1.112 | 680157 | 127910 | 35 | 87 | 3655 | 0.92(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:01 | 48:00 | 0 | 0.918 | 320056 | 63314 | 26 | 65 | 2435 | | |
| 429.7606 | 48:01 | 48:00 | 0 | 0.918 | 351087 | 69165 | 35 | 87 | 1976 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:12 | 48:12 | 0 | 0.921 | 429721 | 82348 | 26 | 65 | 3167 | | |
| 429.7606 | 48:12 | 48:12 | 0 | 0.921 | 465753 | 88808 | 35 | 87 | 2537 | 0.92(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:31 | 49:31 | -1 | 0.946 | 311050 | 58602 | 175 | 437 | 335 | | |
| 429.7606 | 49:32 | 49:31 | 0 | 0.946 | 340231 | 67349 | 333 | 832 | 202 | 0.91(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:53 | 51:52 | 0 | 0.991 | 810375 | 155130 | 175 | 437 | 886 | | |
| 429.7606 | 51:53 | 51:52 | 0 | 0.991 | 895344 | 171553 | 333 | 832 | 515 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:21 | 52:20 | 0 | 1.000 | 54932 | 10474 | 175 | 437 | 60 | | |
| 429.7606 | 52:20 | 52:20 | 0 | 1.000 | 59122 | 10985 | 333 | 832 | 33 | 0.93(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:16 | 49:16 | 0 | 0.950 | 224452 | 41746 | 342 | 855 | 122 | | |
| 475.7619 | 49:16 | 49:16 | 0 | 0.950 | 287034 | 57773 | 409 | 1022 | 141 | 0.78(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:05 | 54:04 | 0 | 1.043 | 167478 | 34706 | 342 | 855 | 101 | | |
| 475.7619 | 54:05 | 54:04 | 0 | 1.043 | 197255 | 38607 | 409 | 1022 | 94 | 0.85(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:18 | 49:17 | 0 | 1.001 | 109528 | 20722 | 71 | 177 | 292 | | |
| 463.7216 | 49:18 | 49:17 | 0 | 1.001 | 131666 | 25058 | 230 | 575 | 109 | 0.83(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:14 | 50:13 | 0 | 1.020 | 48253 | 9123 | 71 | 177 | 128 | | |
| 463.7216 | 50:14 | 50:13 | 0 | 1.019 | 61500 | 12362 | 230 | 575 | 54 | 0.78(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:06 | 54:04 | 0 | 1.000 | 349095 | 58544 | 71 | 177 | 825 | | |
| 463.7216 | 54:06 | 54:04 | 0 | 1.000 | 411860 | 73810 | 230 | 575 | 321 | 0.85(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:43 | 55:43 | 0 | 1.075 | 167394 | 31875 | 107 | 267 | 298 | | |
| 509.7229 | 55:44 | 55:43 | 0 | 1.075 | 238312 | 42091 | 58 | 145 | 726 | 0.70(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:45 | 55:45 | 0 | 1.000 | 297735 | 53144 | 27 | 67 | 1968 | | |
| 497.6826 | 55:45 | 55:45 | 0 | 1.000 | 428875 | 75909 | 32 | 80 | 2372 | 0.69(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

n - Failed Sig-To-Noise Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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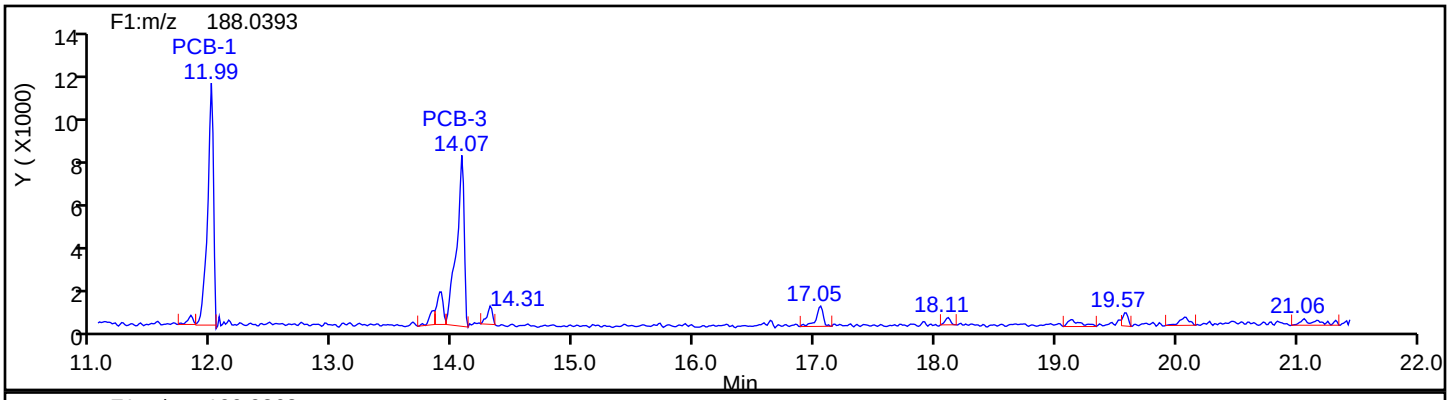
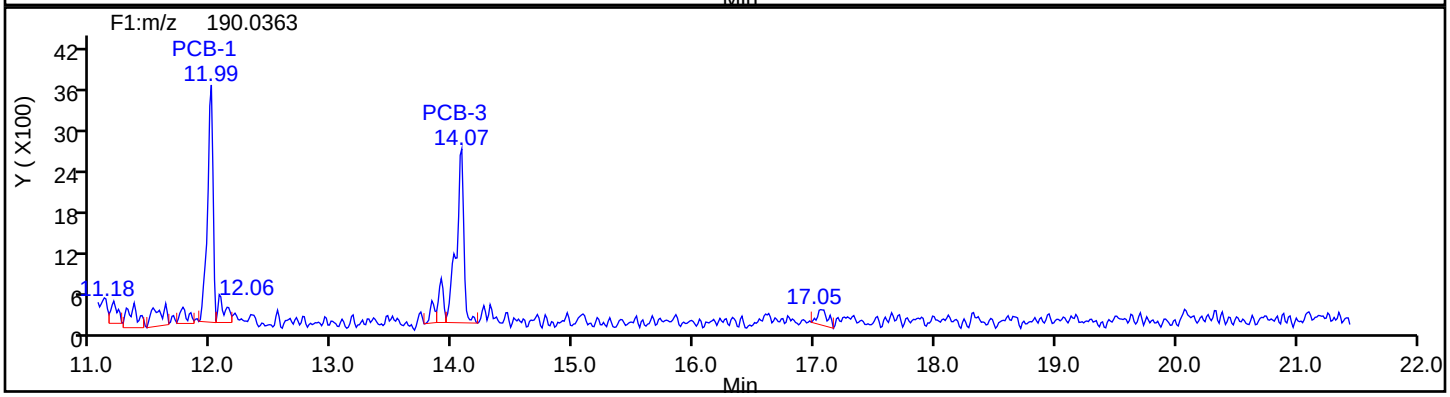
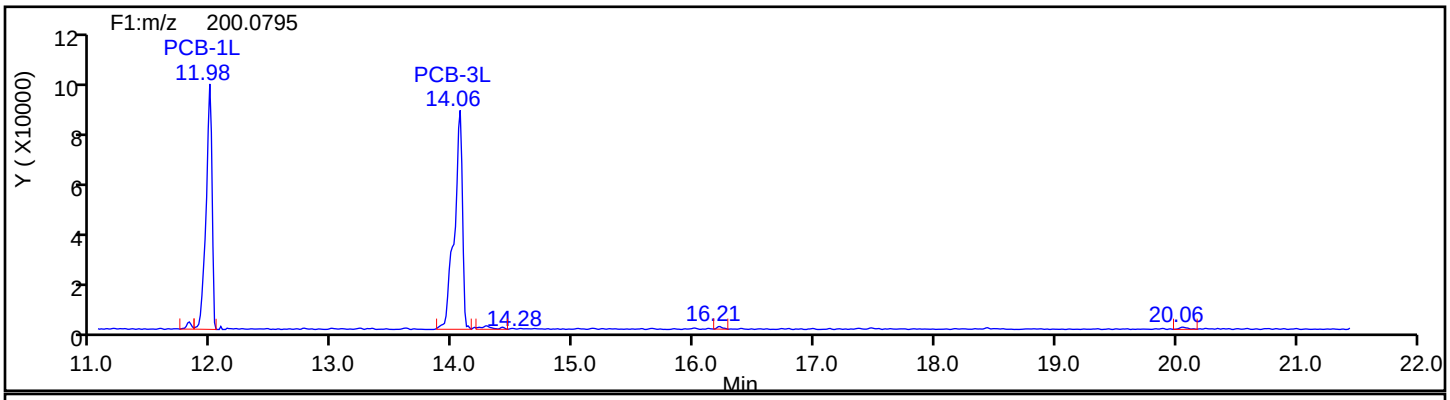
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

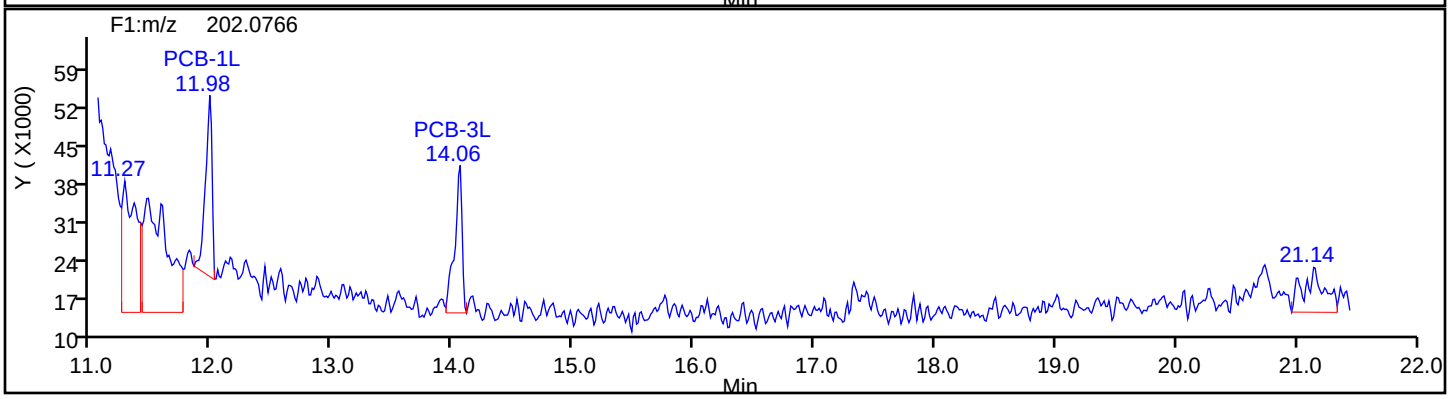
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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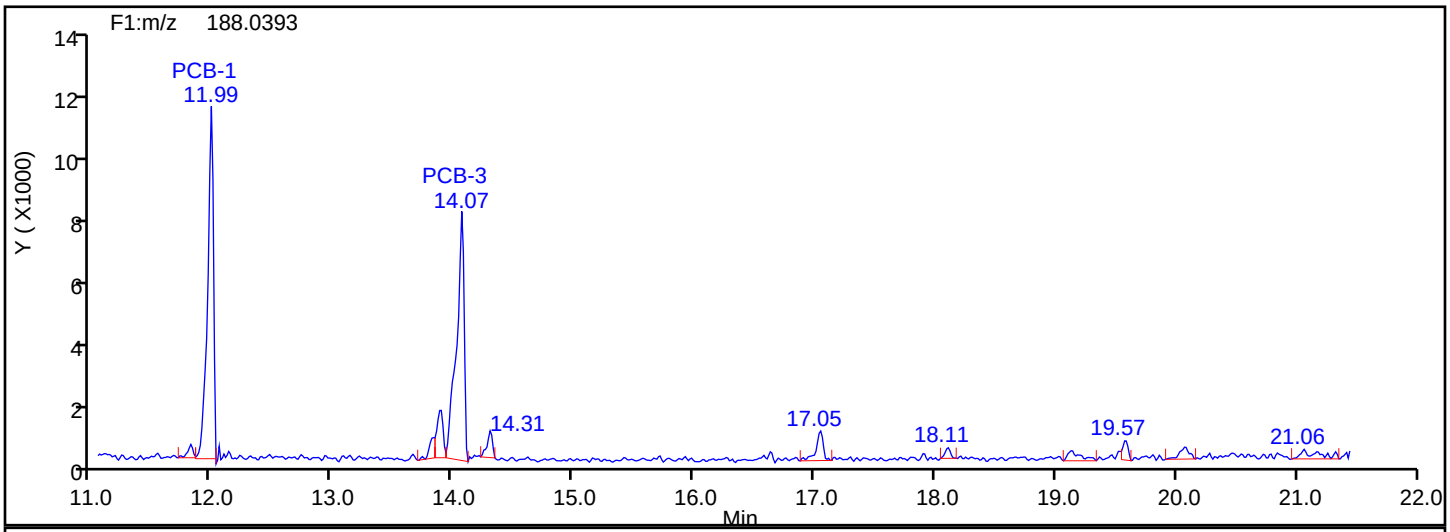
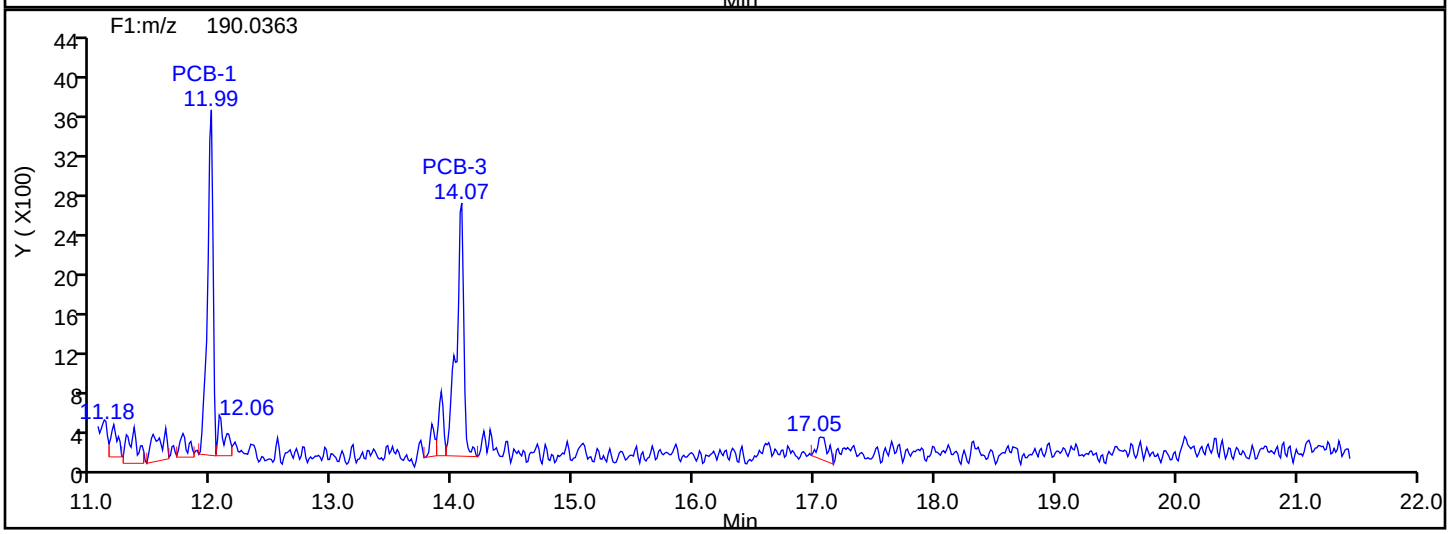
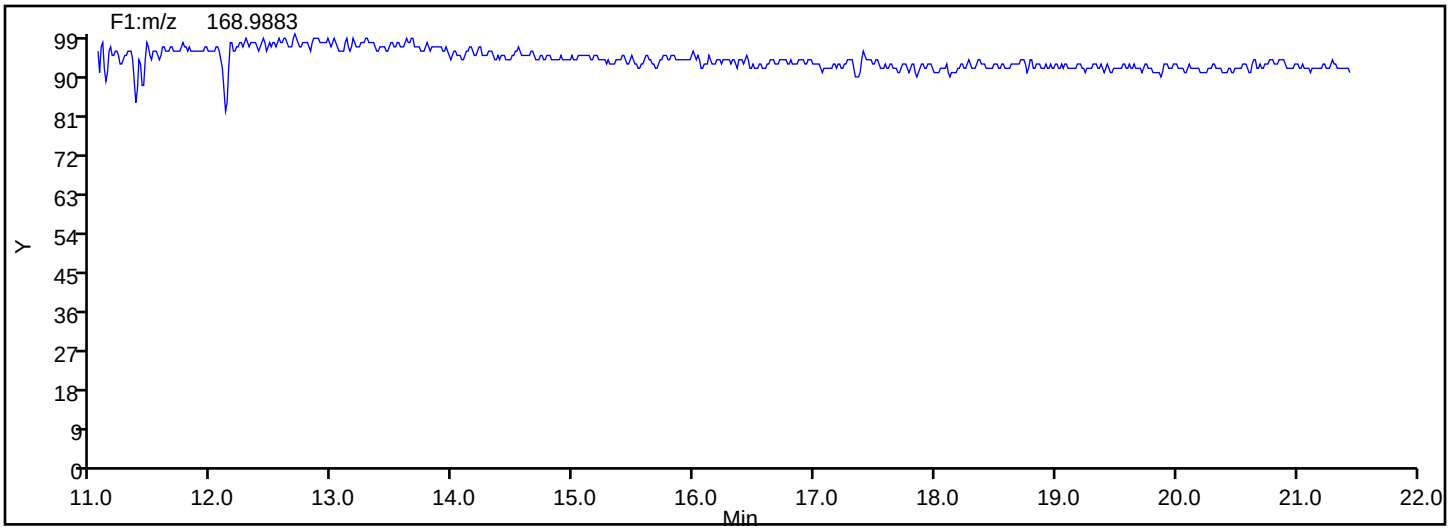
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

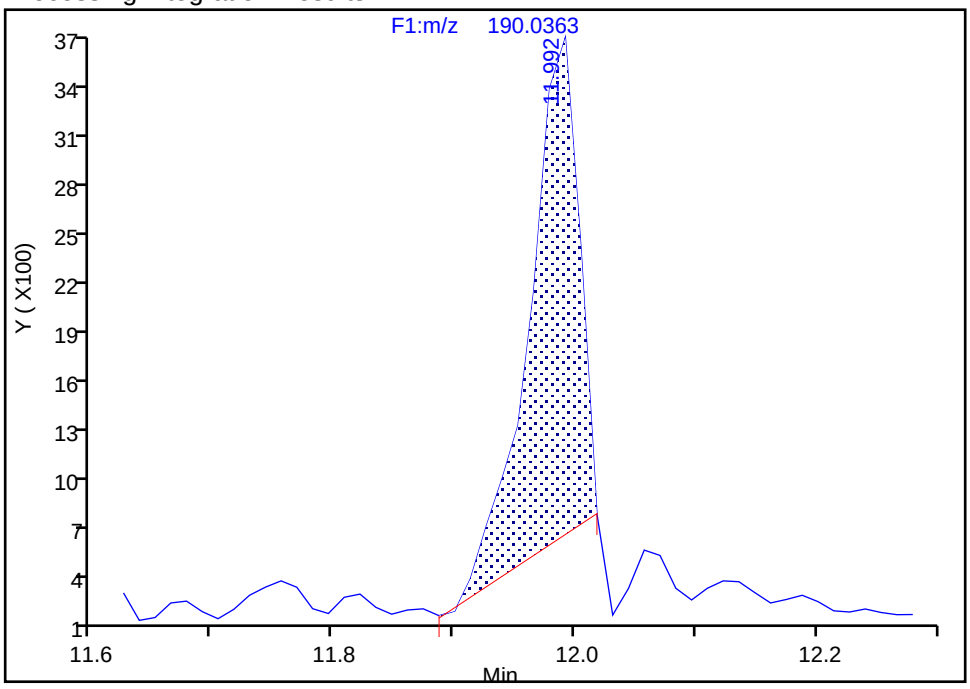
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 2

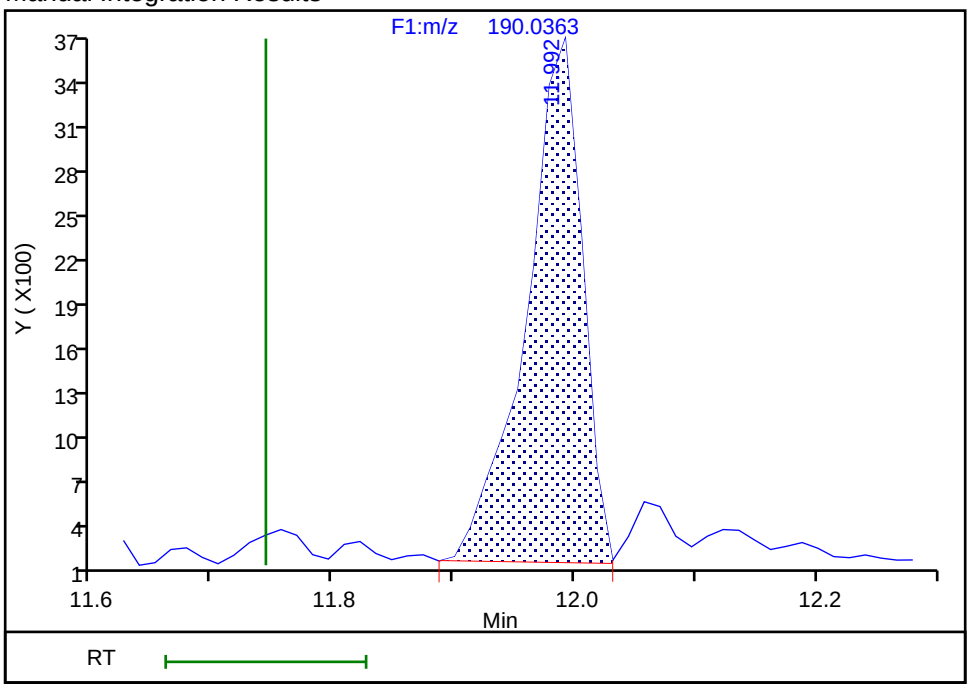
Processing Integration Results

RT: 11.99
Area: 8472
Amount: 1.679570
Amount Units: pg/ul




Manual Integration Results

RT: 11.99
Area: 11106
Amount: 1.775199
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:06:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

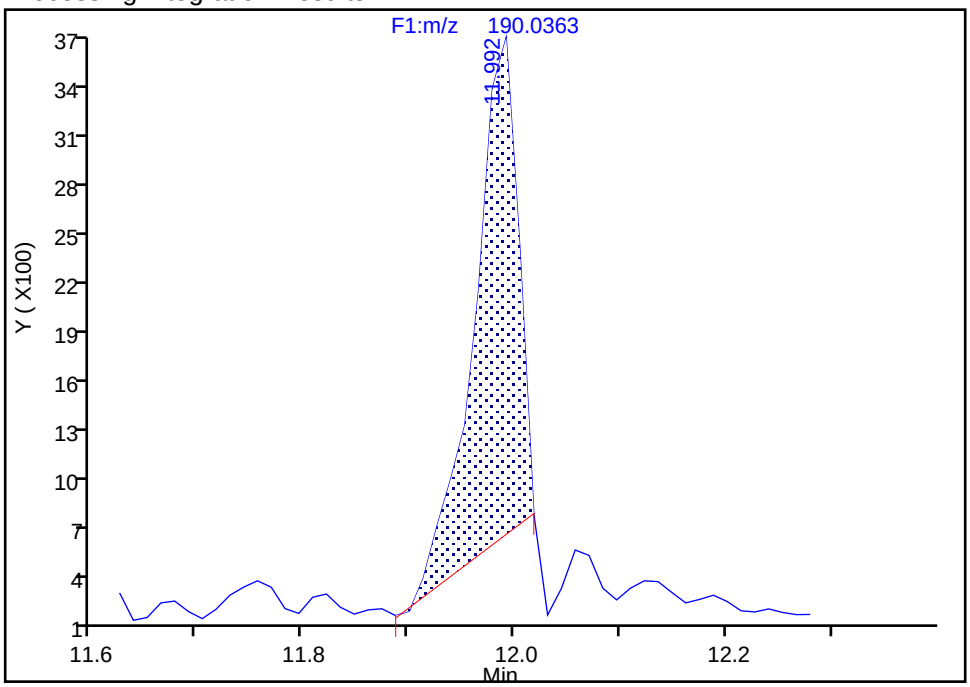
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 3

Processing Integration Results

RT: 11.99
Area: 46262
Amount: 1.679570
Amount Units: pg/ul




Manual Integration Results

RT: 11.99
Area: 48896
Amount: 1.775199
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:06:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

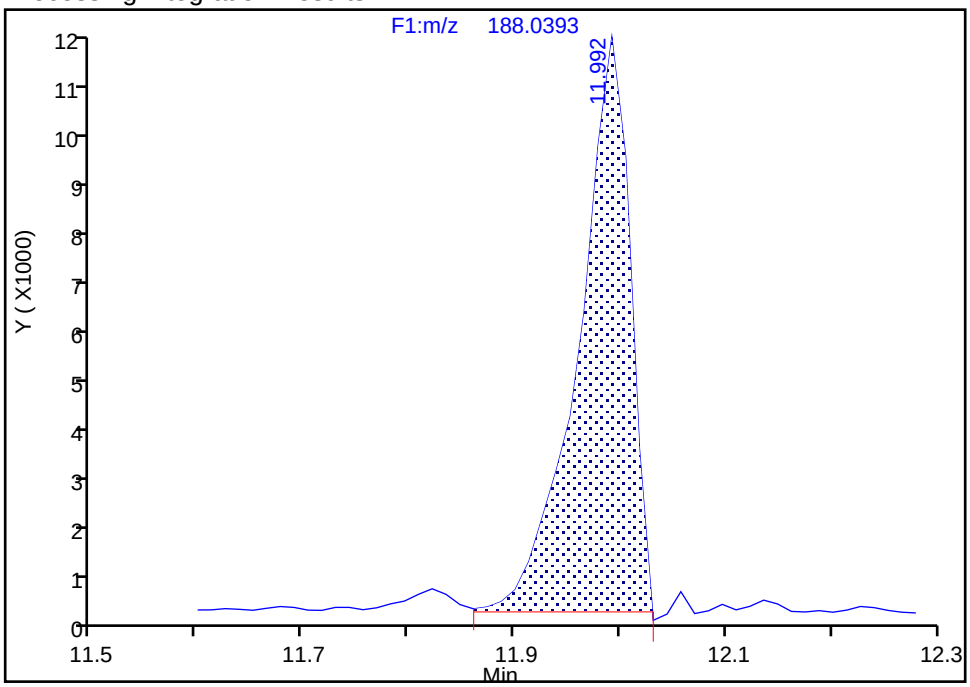
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

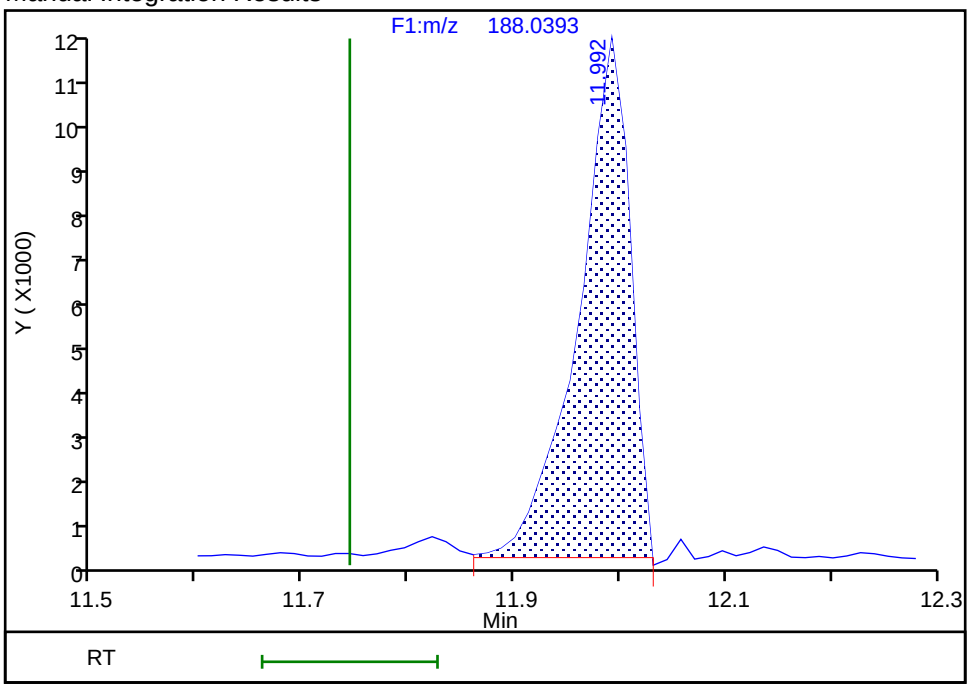
Processing Integration Results

RT: 11.99
Area: 37790
Amount: 1.679570
Amount Units: pg/ul




Manual Integration Results

RT: 11.99
Area: 37790
Amount: 1.775199
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:06:52

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

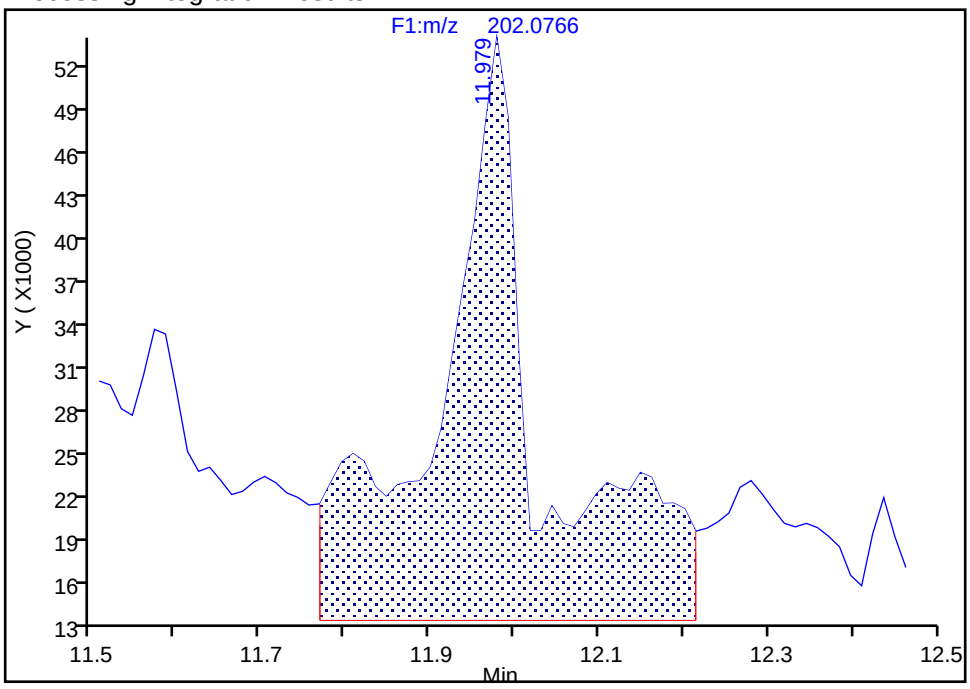
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

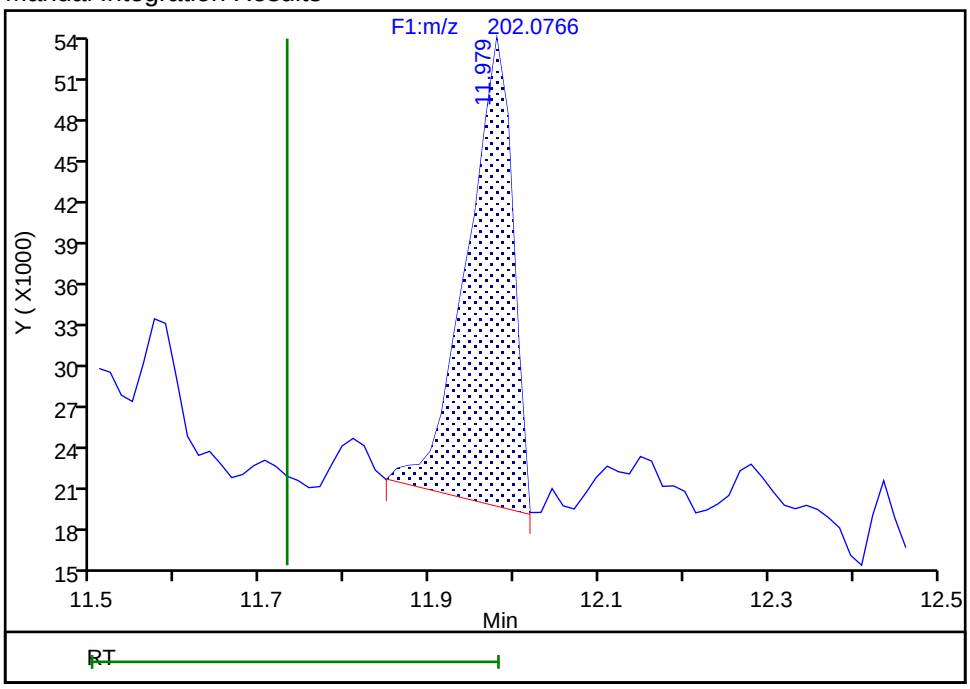
Processing Integration Results

RT: 11.98
Area: 342055
Amount: 15.567839
Amount Units: pg/ul




Manual Integration Results

RT: 11.98
Area: 125964
Amount: 10.618450
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:06:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

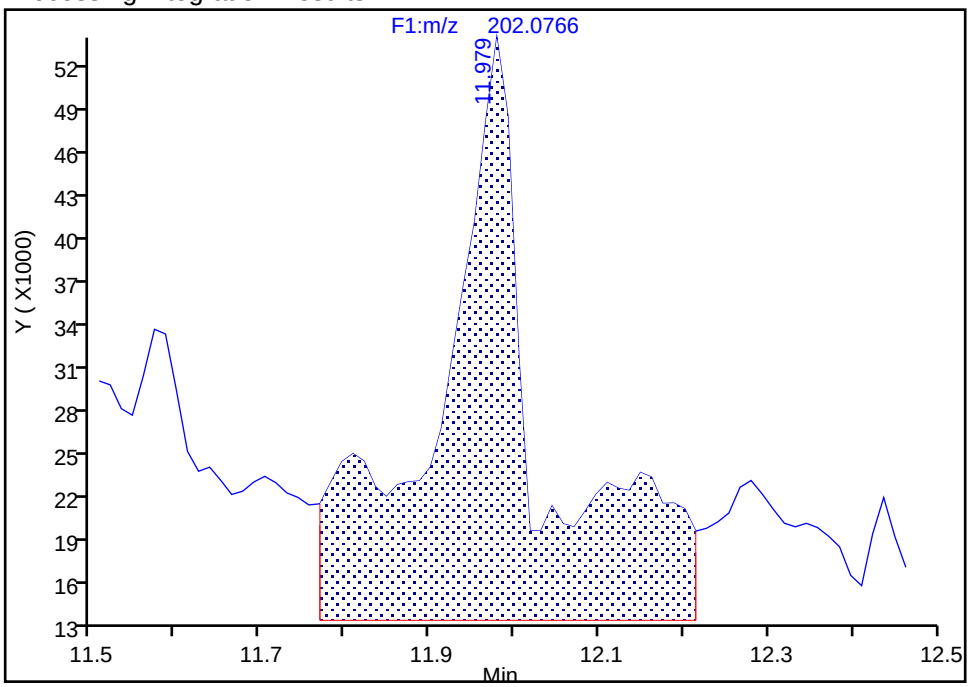
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 3

Processing Integration Results

RT: 11.98
Area: 679694
Amount: 15.567839
Amount Units: pg/ul




Manual Integration Results

RT: 11.98
Area: 463603
Amount: 10.618450
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:06:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

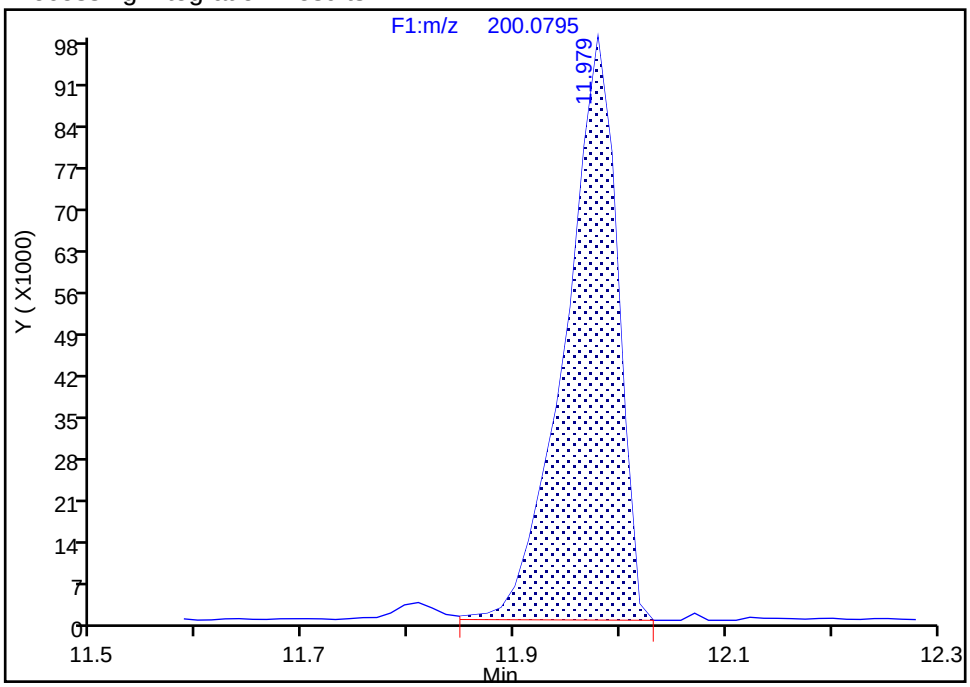
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

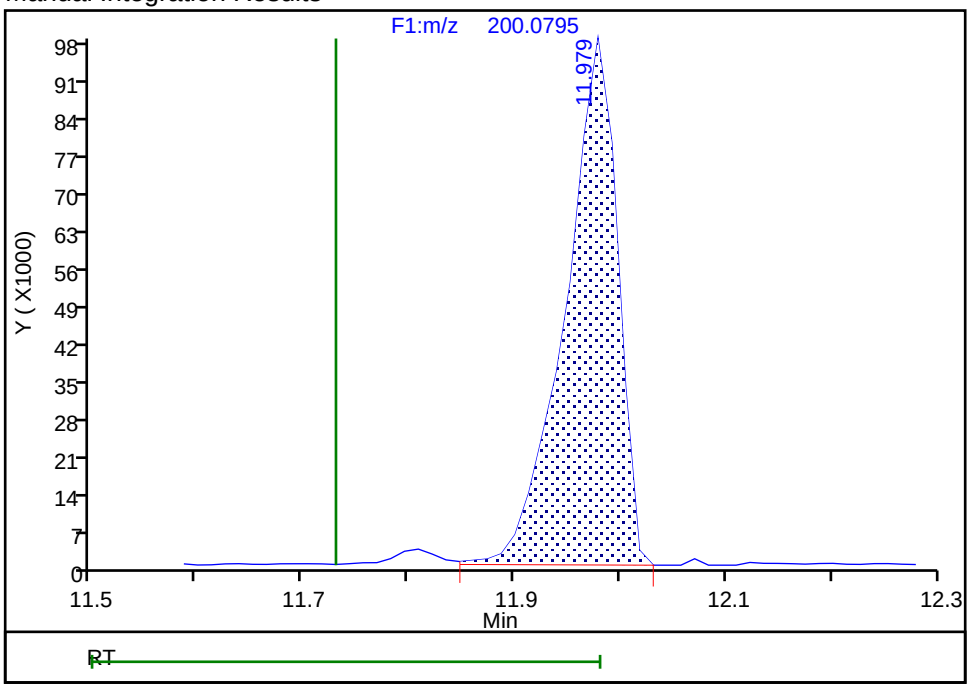
Processing Integration Results

RT: 11.98
Area: 337639
Amount: 15.567839
Amount Units: pg/ul




Manual Integration Results

RT: 11.98
Area: 337639
Amount: 10.618450
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:06:34

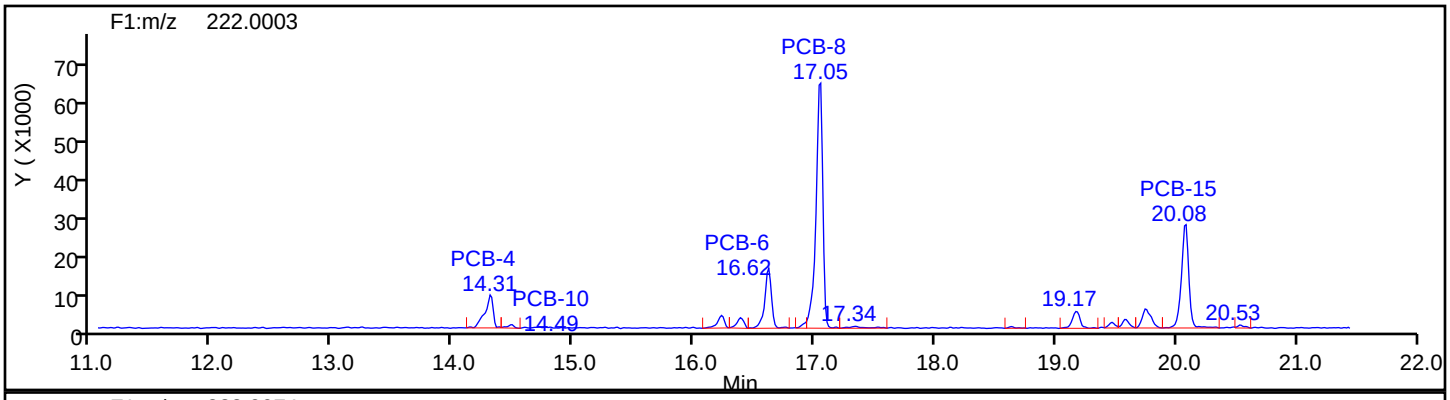
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

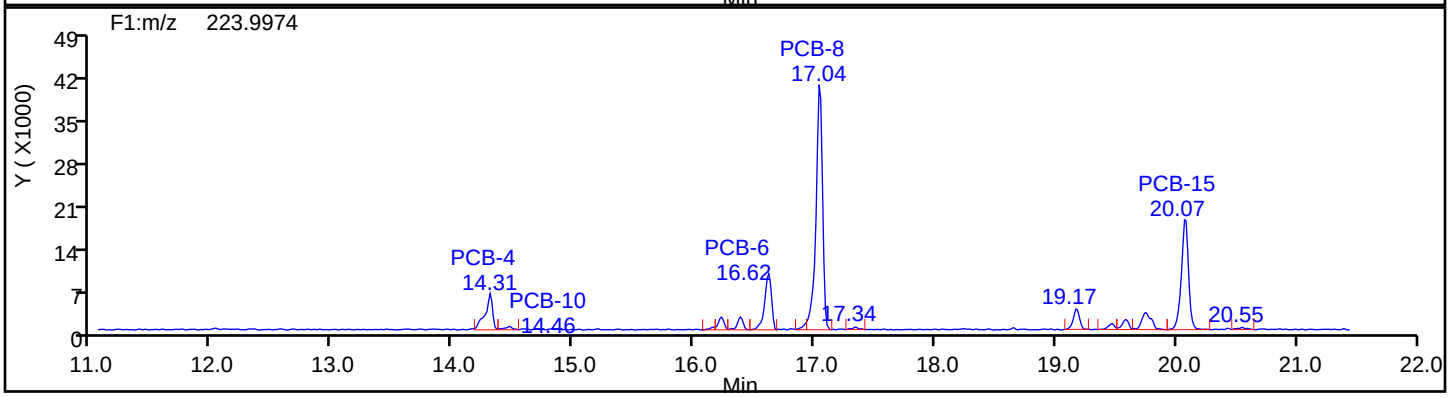
Report Date: 04-Oct-2019 00:00:42 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

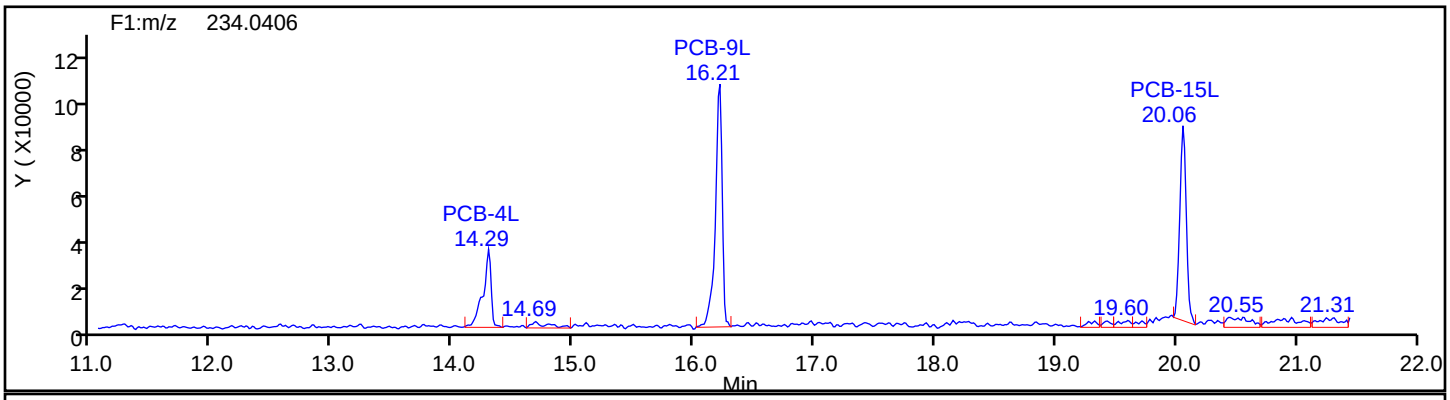
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

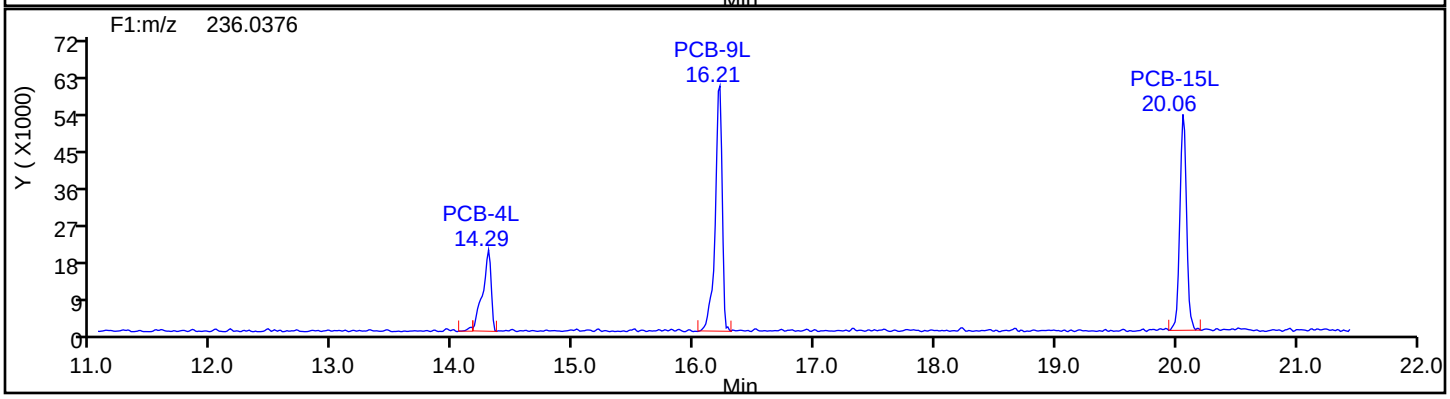
DiPCB F1




DiPCB F1 Standards

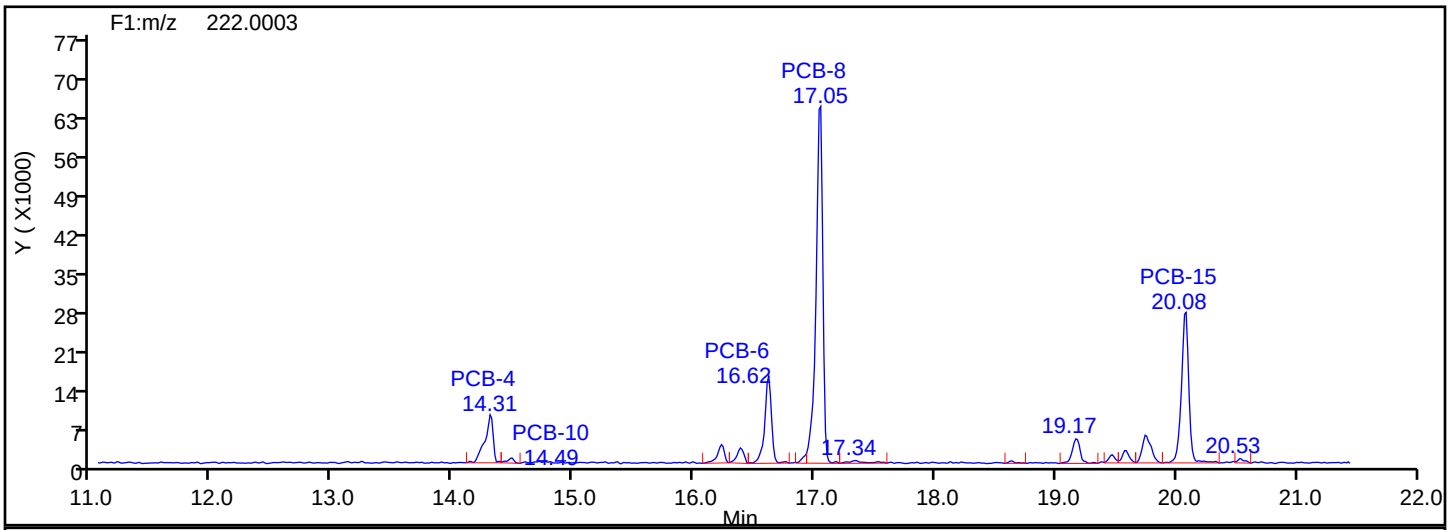


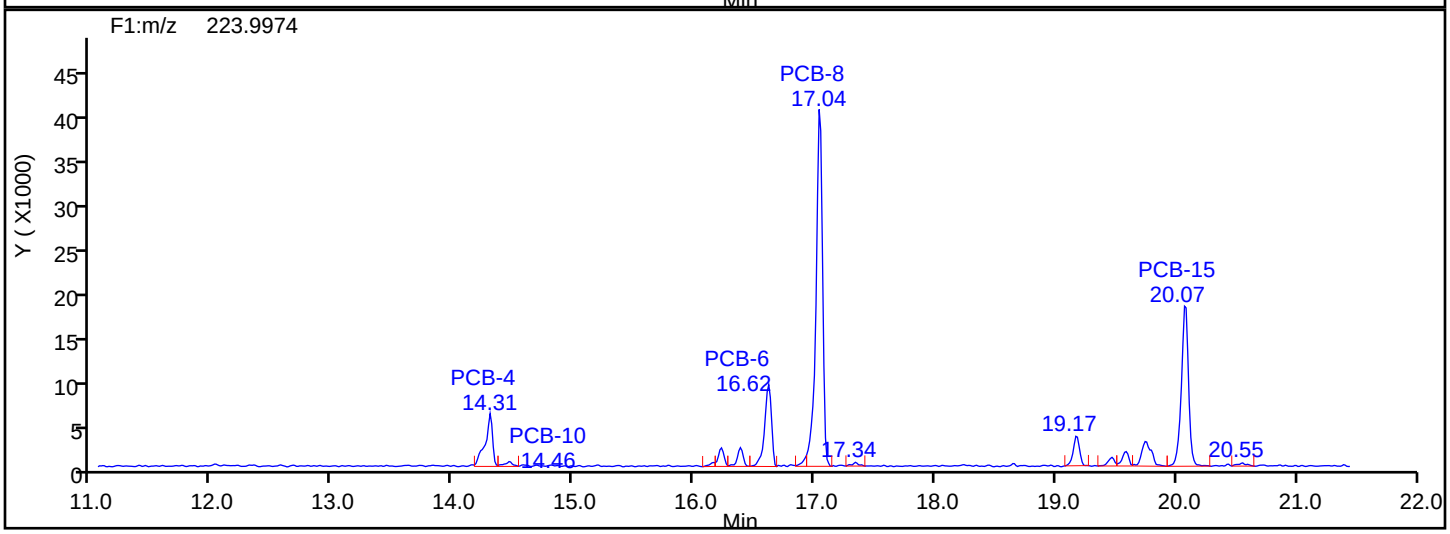



Eurofins TestAmerica, Knoxville

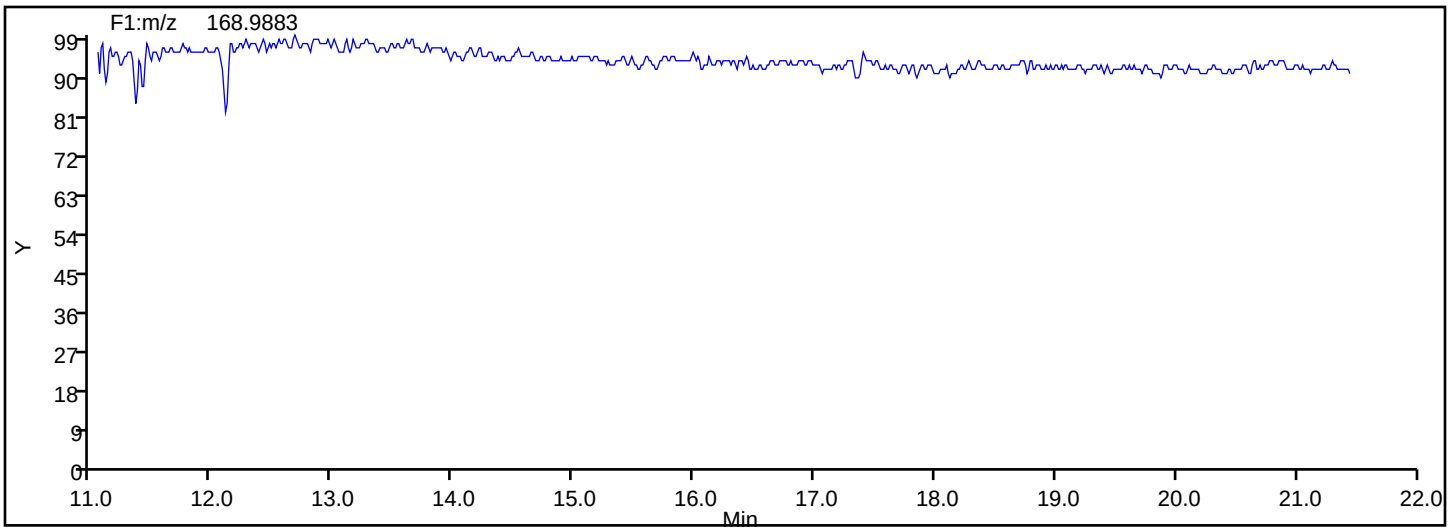
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

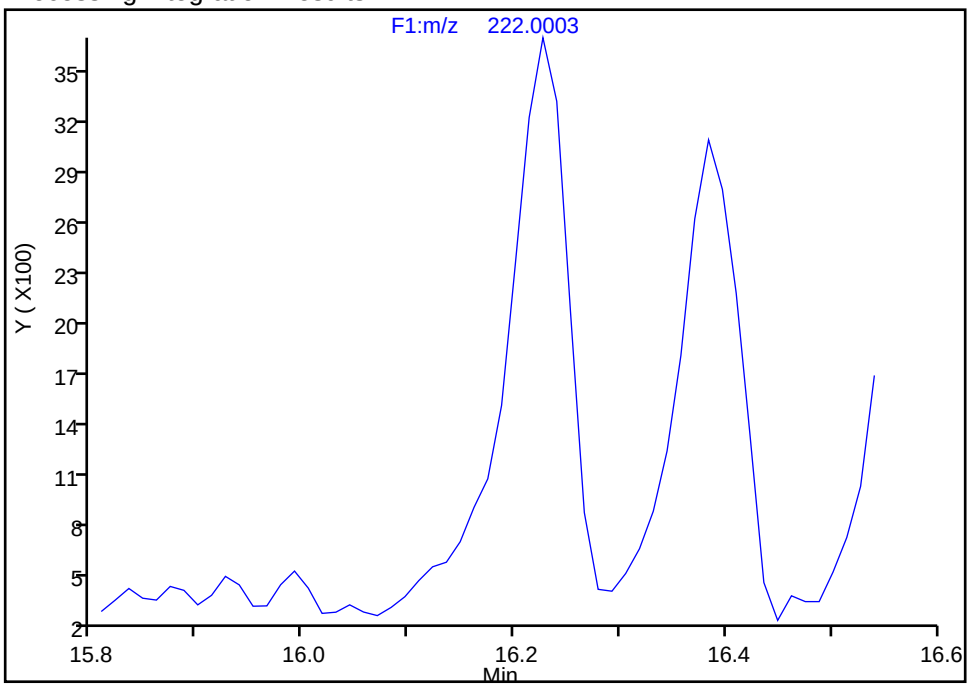
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-9, CAS: 34883-39-1

Signal: 1

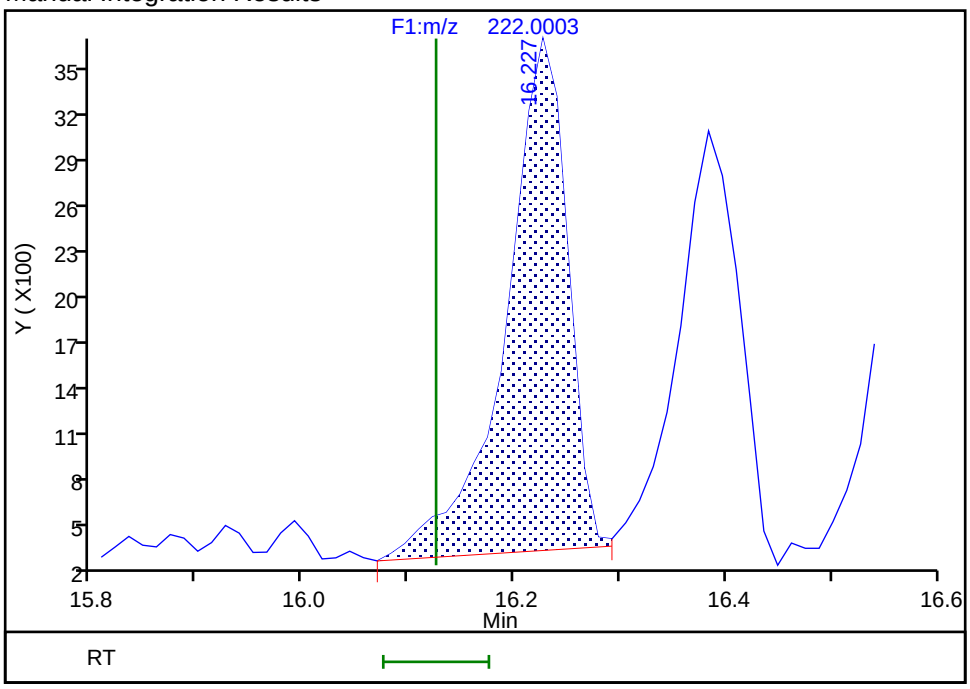
Not Detected
Expected RT: 16.13

Processing Integration Results




Manual Integration Results

RT: 16.23
Area: 13507
Amount: 0.731481
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:07:57
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

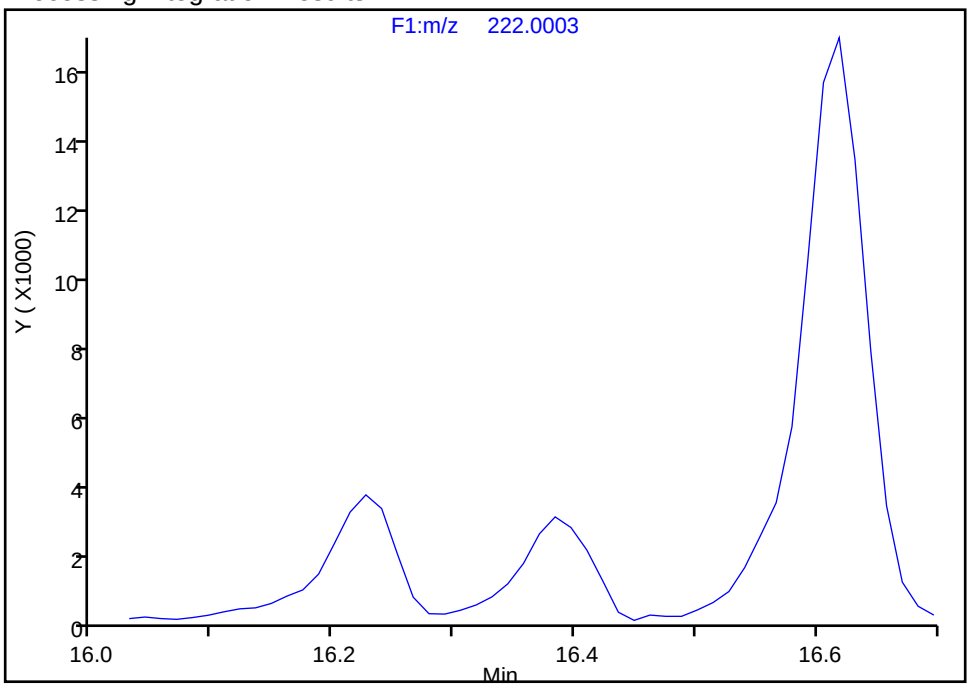
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 1

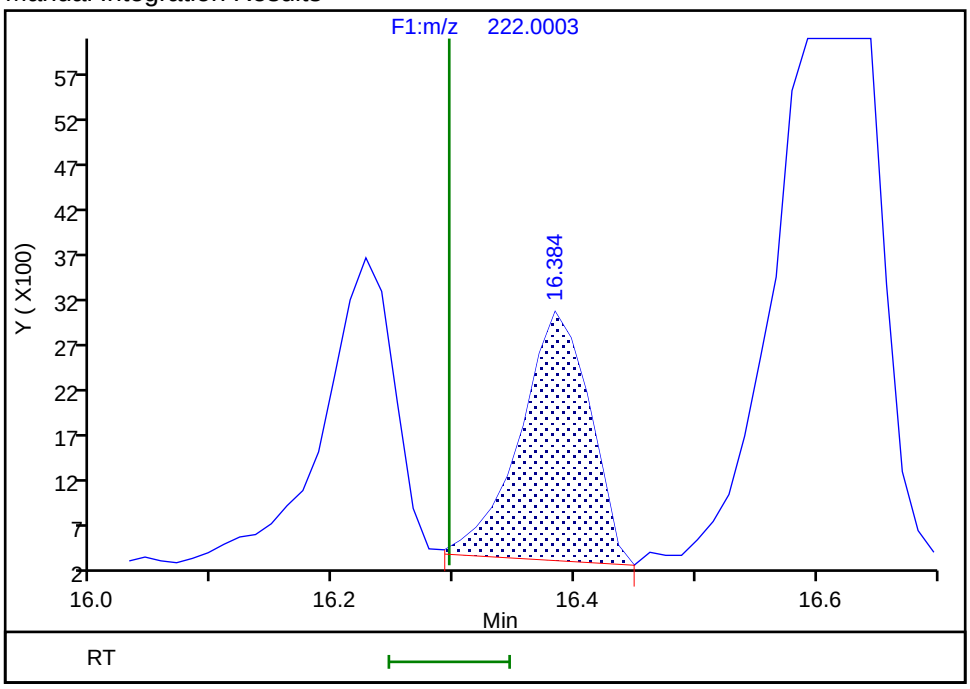
Not Detected
Expected RT: 16.30

Processing Integration Results




Manual Integration Results

RT: 16.38
Area: 11103
Amount: 0.572326
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:08:01
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

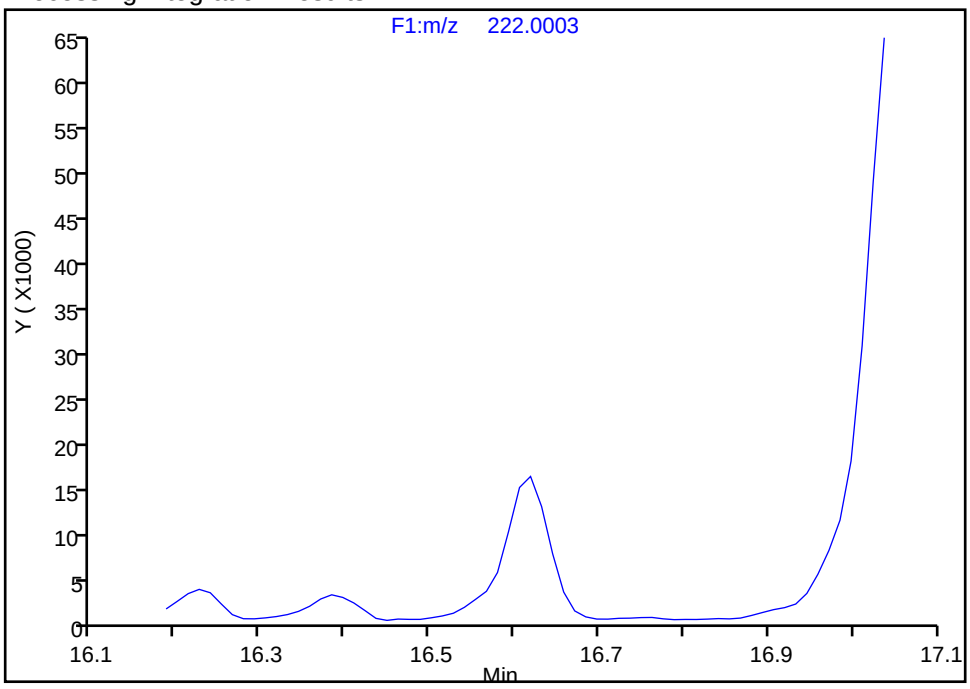
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

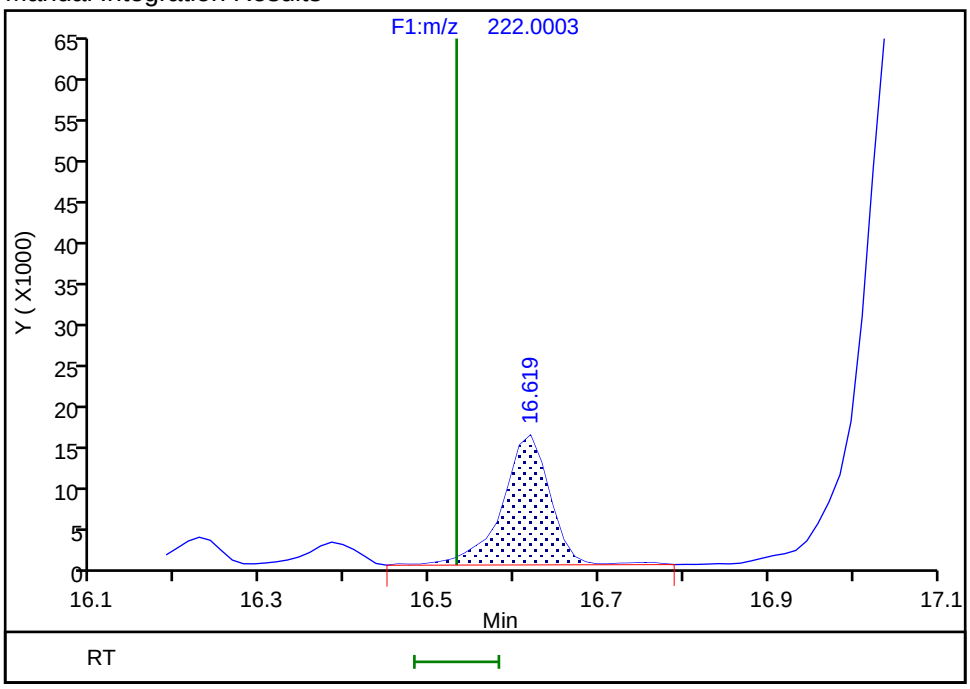
Not Detected
Expected RT: 16.53

Processing Integration Results




Manual Integration Results

RT: 16.62
Area: 62192
Amount: 3.249487
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:08:05
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

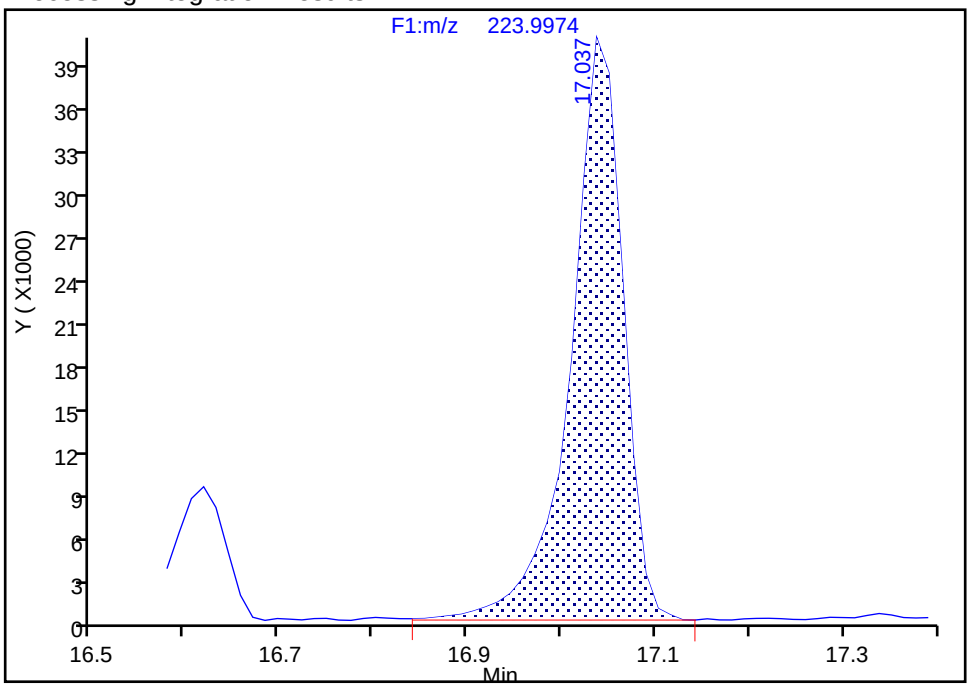
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 2

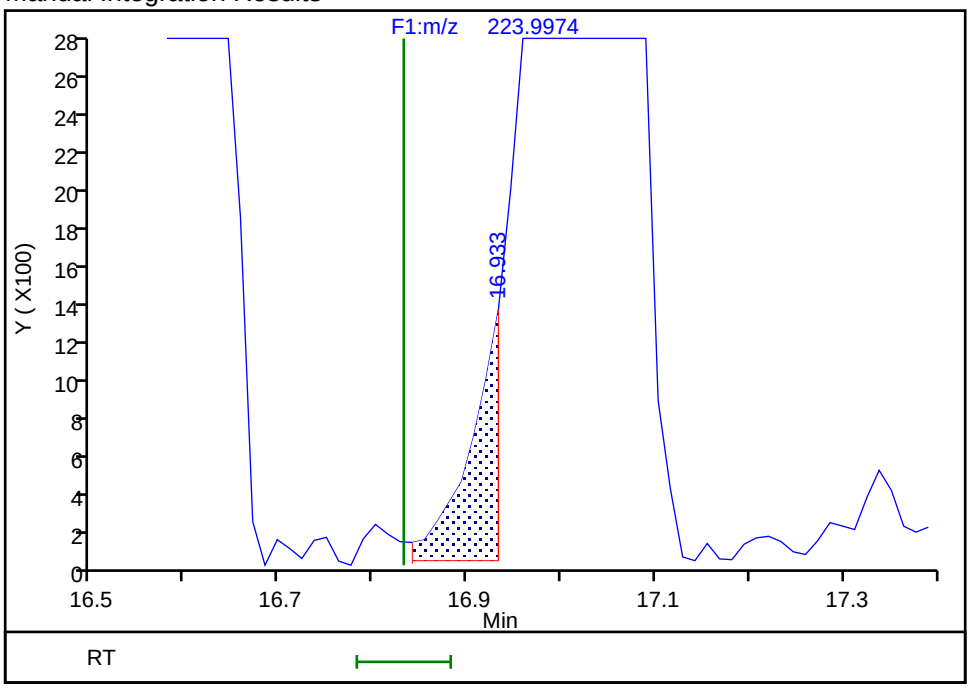
Processing Integration Results

RT: 17.04
Area: 157058
Amount: 13.596281
Amount Units: pg/ul




Manual Integration Results

RT: 16.93
Area: 2528
Amount: 0.210359
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:31:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

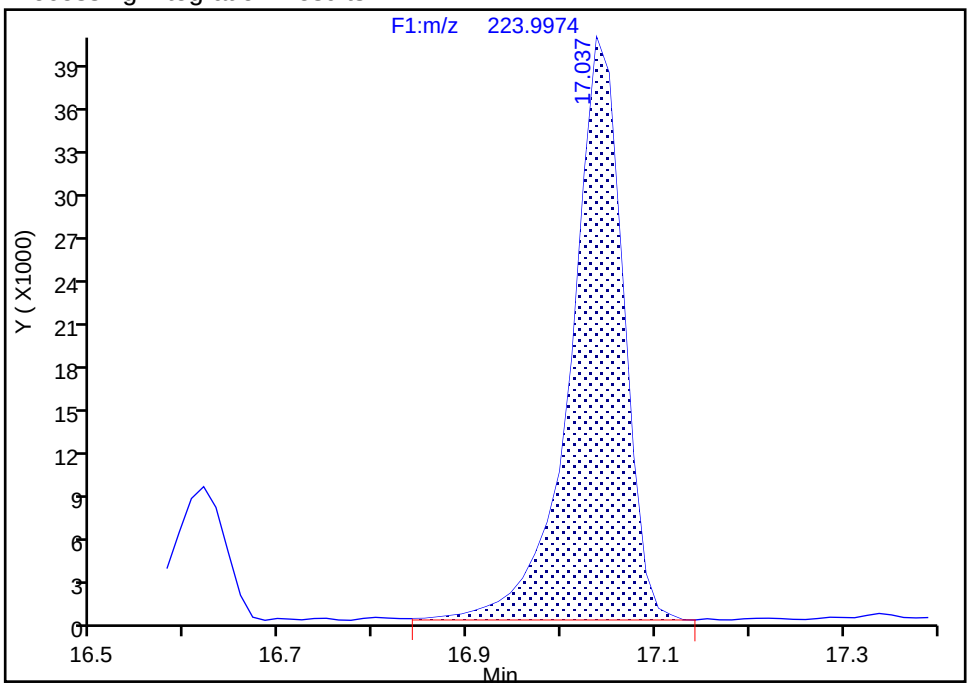
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 3

Processing Integration Results

RT: 17.05
Area: 417339
Amount: 13.596281
Amount Units: pg/ul




Manual Integration Results

RT: 16.93
Area: 6457
Amount: 0.210359
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:31:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

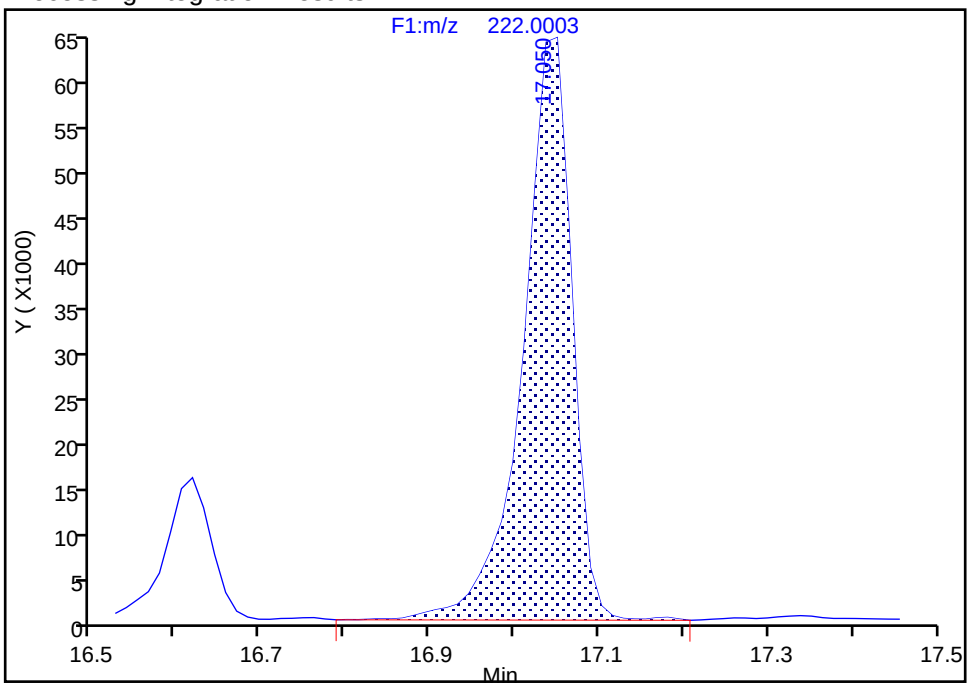
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 1

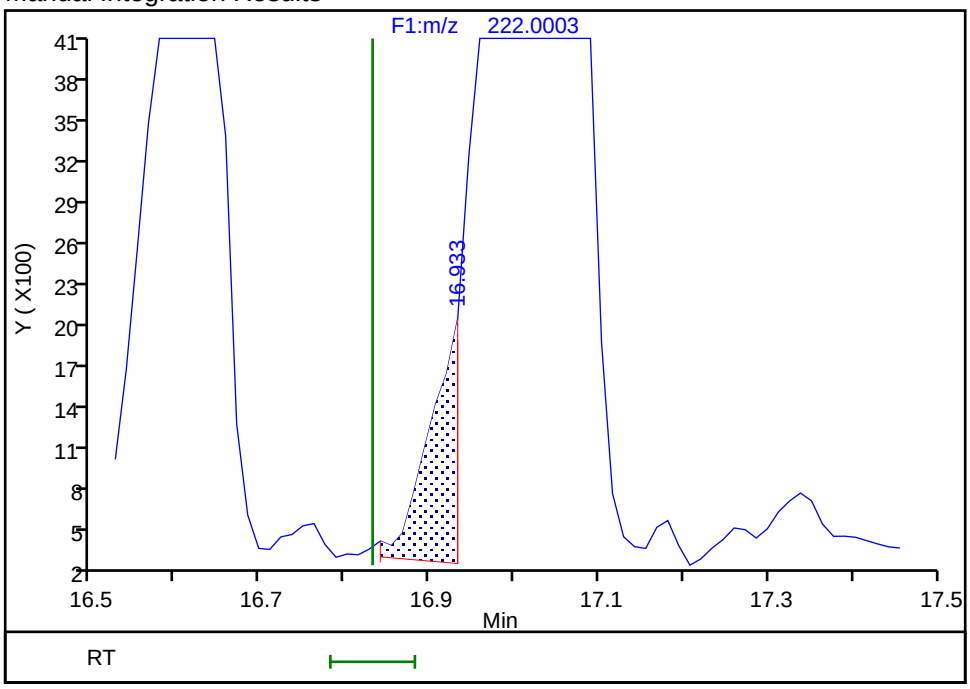
Processing Integration Results

RT: 17.05
Area: 260281
Amount: 13.596281
Amount Units: pg/ul




Manual Integration Results

RT: 16.93
Area: 3929
Amount: 0.210359
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:31:07

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

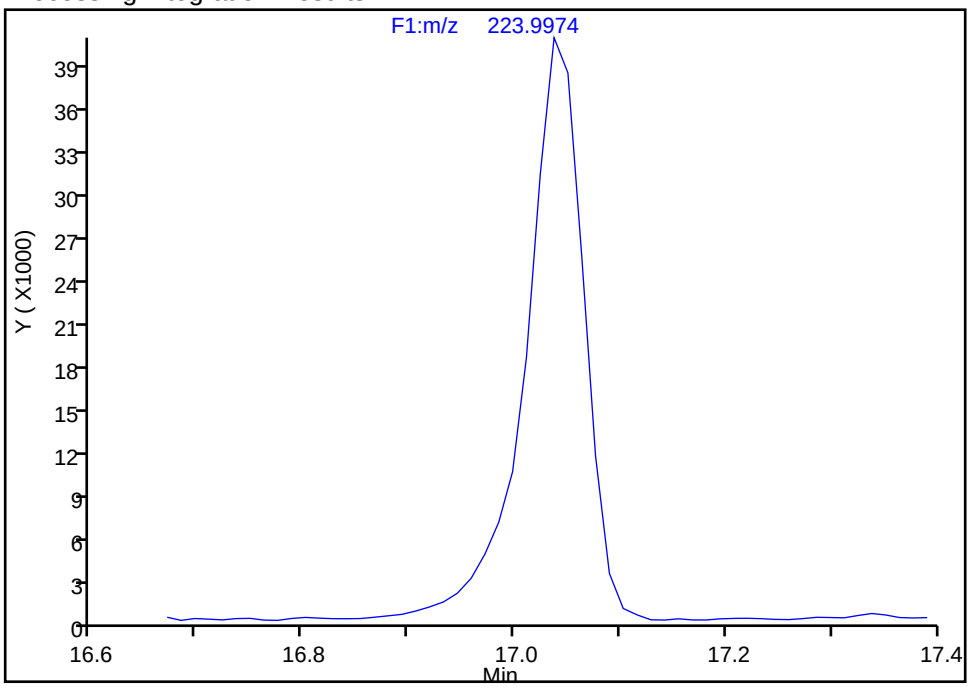
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 2

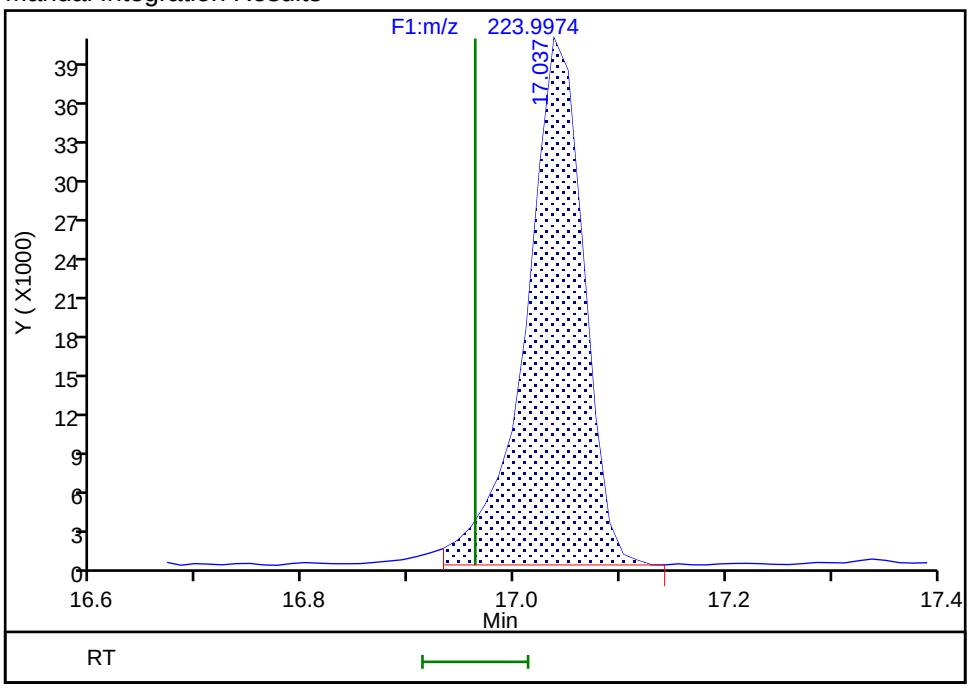
Not Detected
Expected RT: 16.96

Processing Integration Results




Manual Integration Results

RT: 17.04
Area: 154530
Amount: 13.148943
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:08:44
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

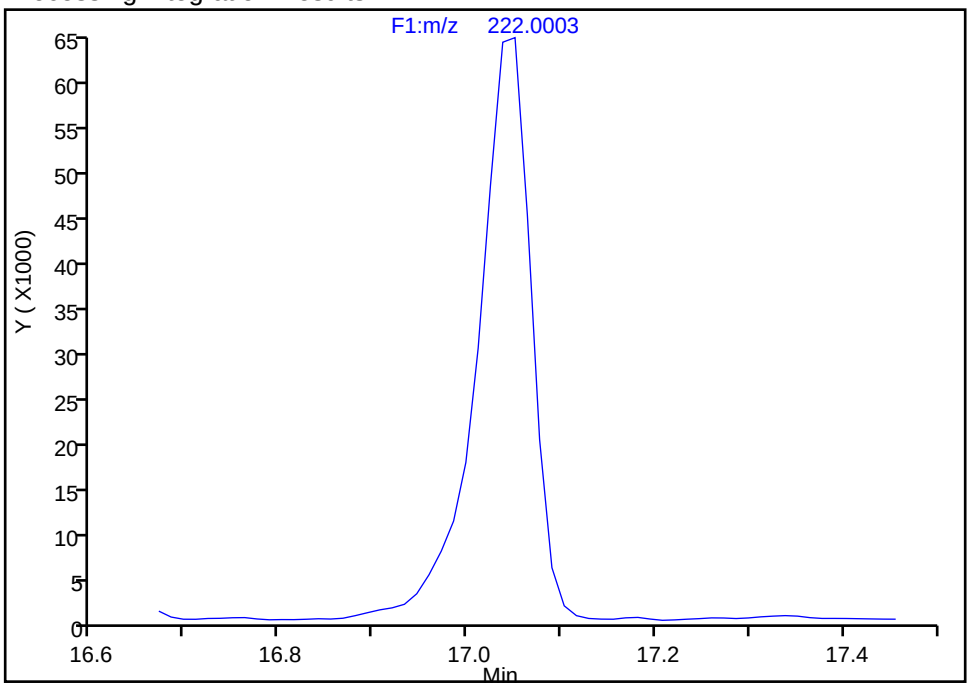
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

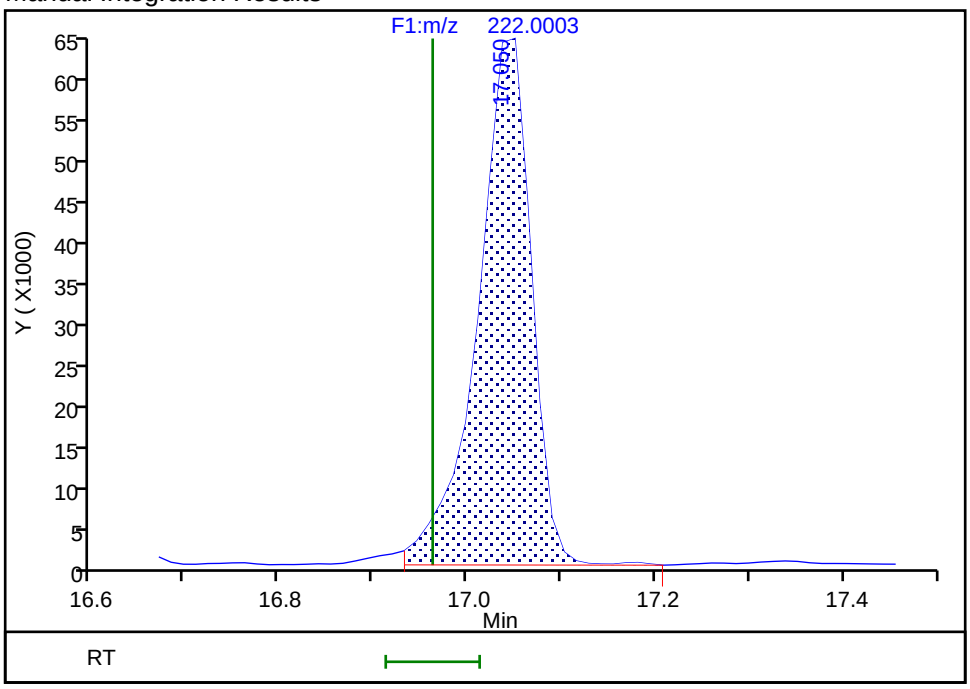
Processing Integration Results

Not Detected
Expected RT: 16.96




Manual Integration Results

RT: 17.05
Area: 256244
Amount: 13.148943
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:30:53
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

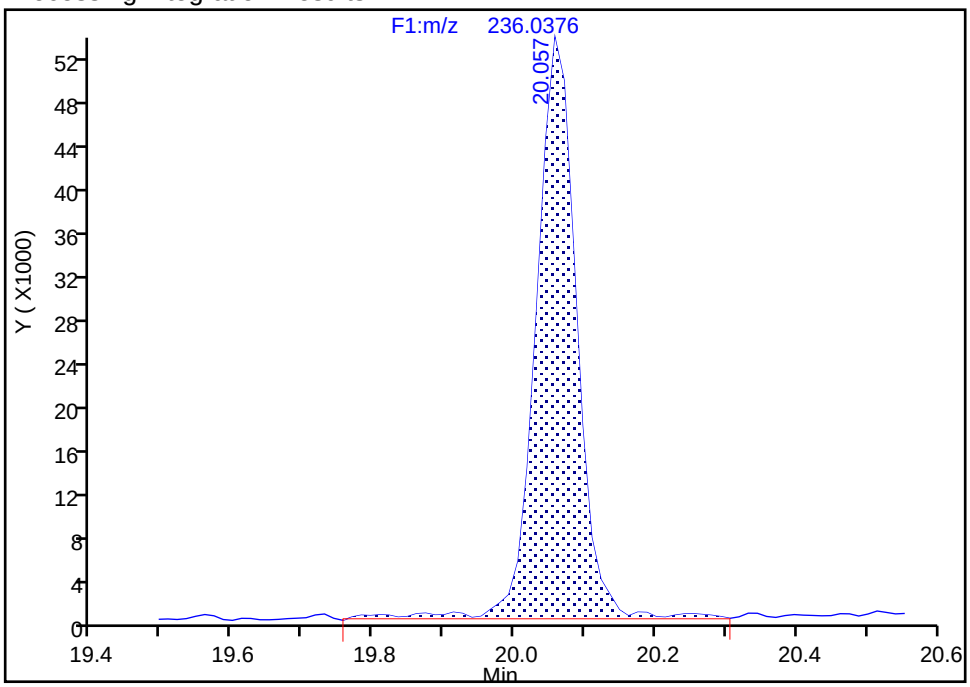
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 2

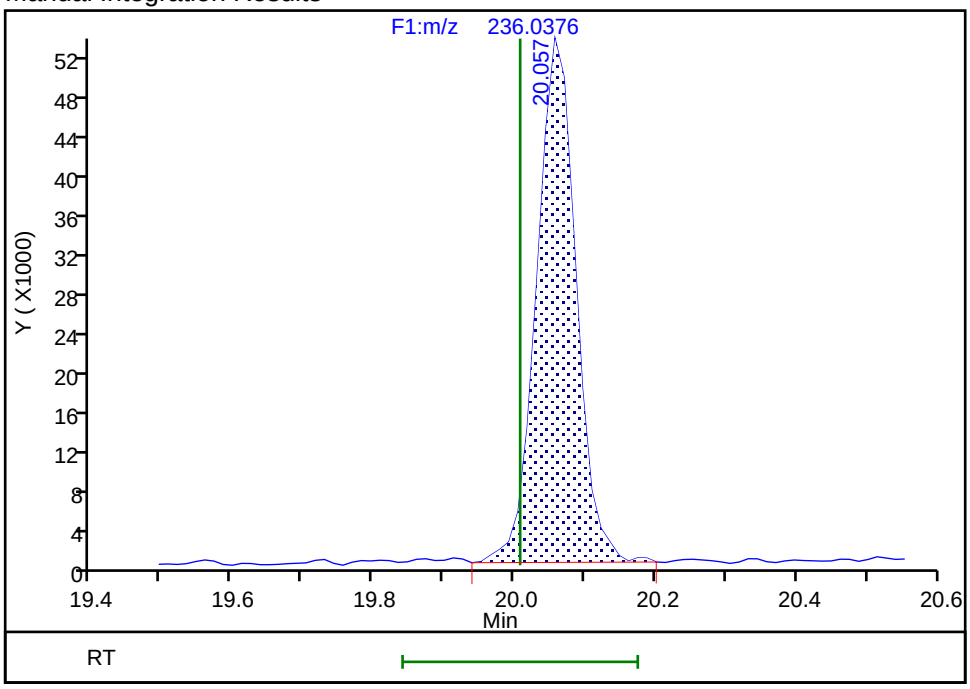
Processing Integration Results

RT: 20.06
Area: 214127
Amount: 17.182696
Amount Units: pg/ul




Manual Integration Results

RT: 20.06
Area: 206366
Amount: 15.494379
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:07:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

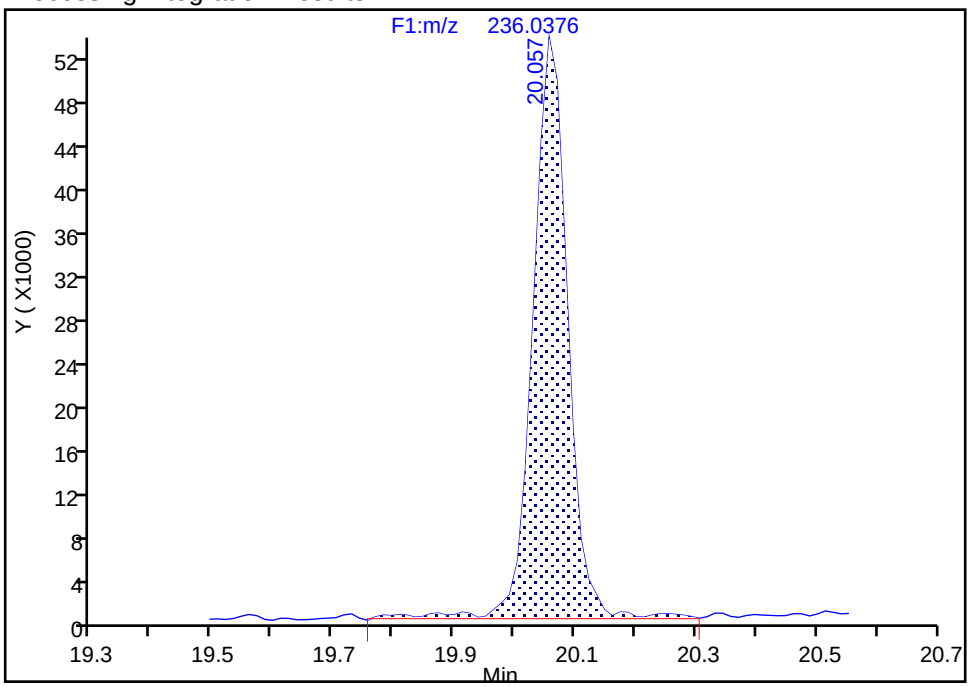
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 3

Processing Integration Results

RT: 20.06
Area: 586921
Amount: 17.182696
Amount Units: pg/ul




Manual Integration Results

RT: 20.06
Area: 529252
Amount: 15.494379
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:07:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

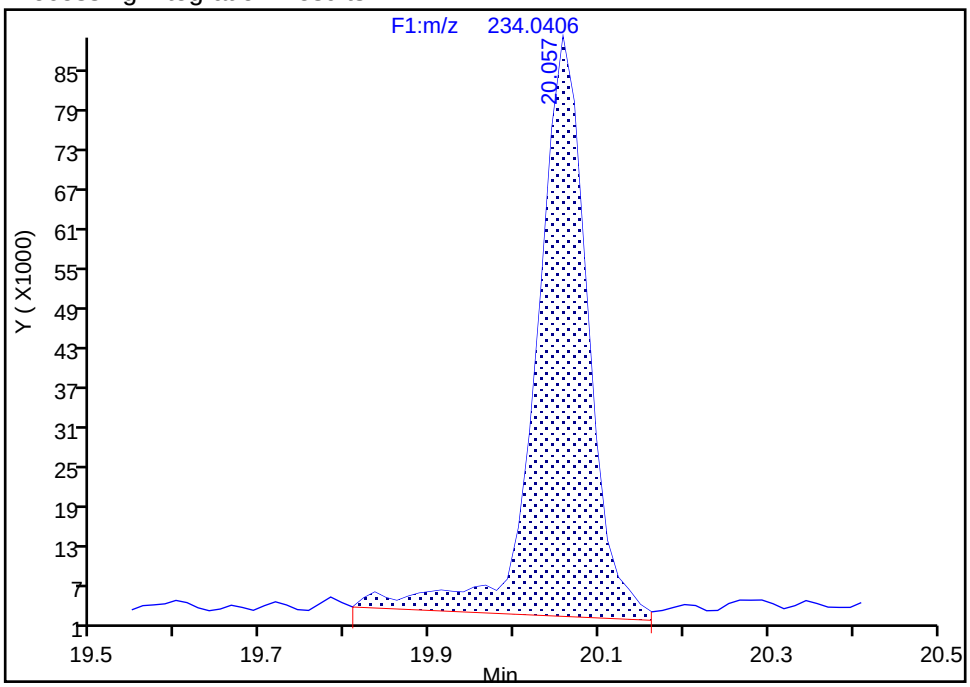
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 1

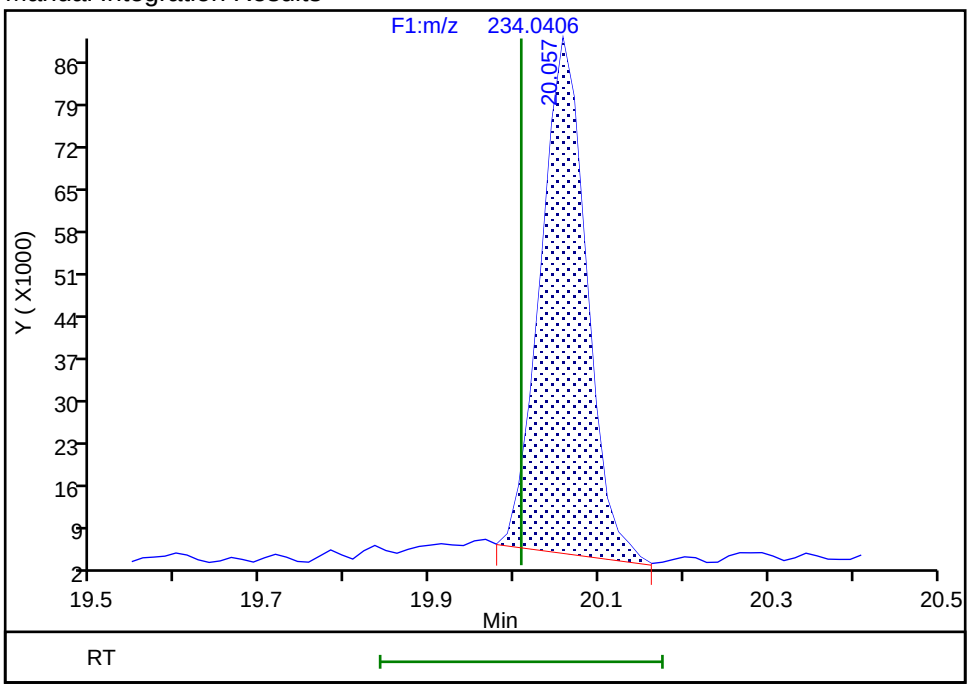
Processing Integration Results

RT: 20.06
Area: 372794
Amount: 17.182696
Amount Units: pg/ul




Manual Integration Results

RT: 20.06
Area: 322886
Amount: 15.494379
Amount Units: pg/ul



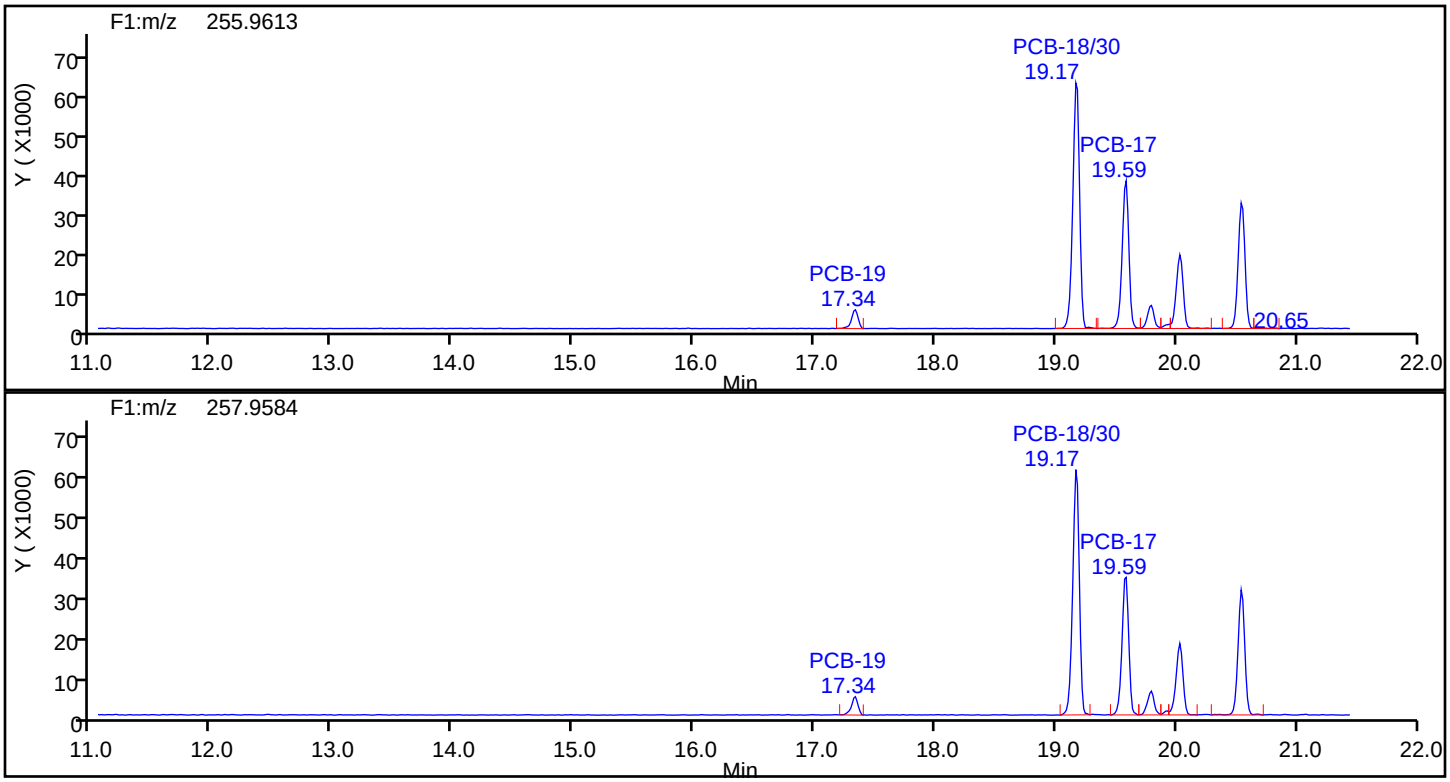

Reviewer: mcwhirterl, 03-Oct-2019 20:07:38

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

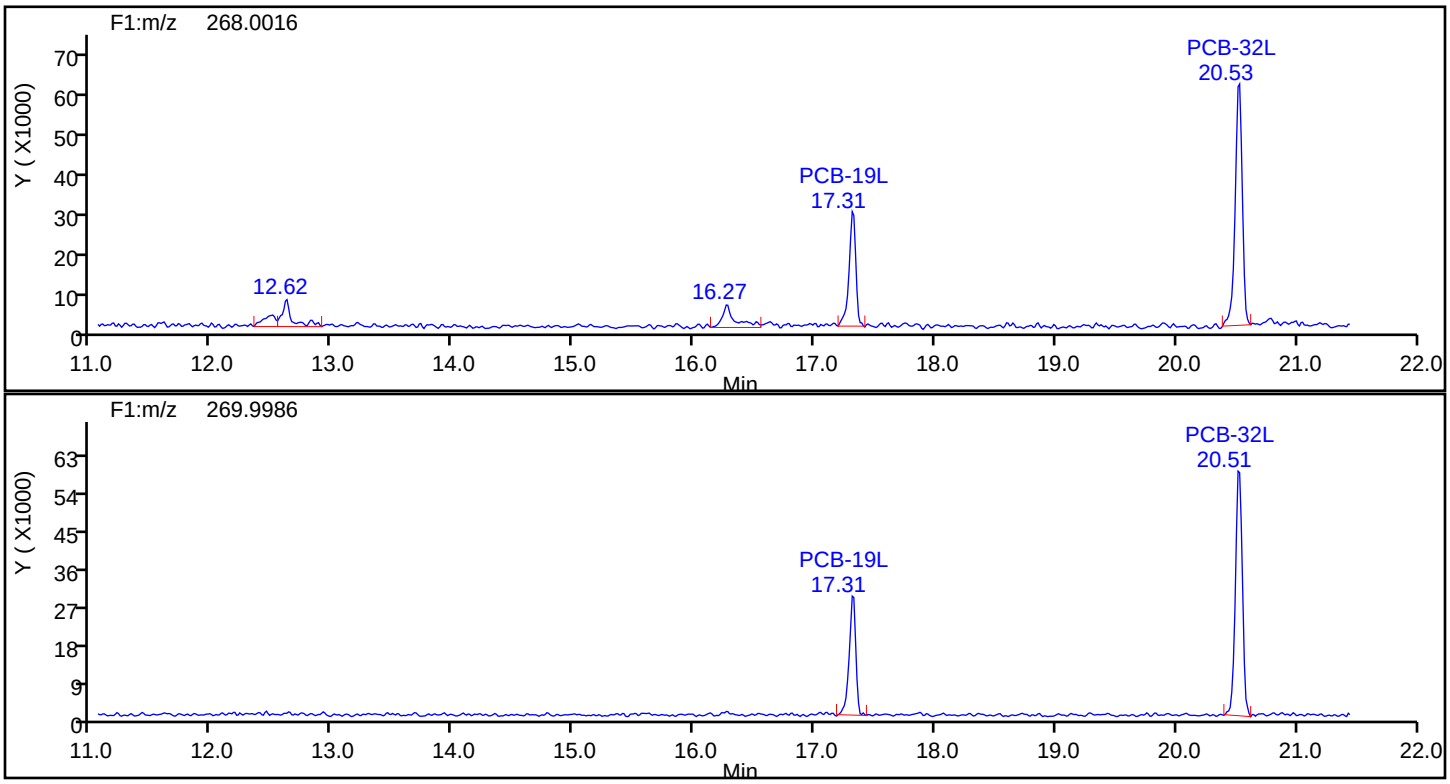
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



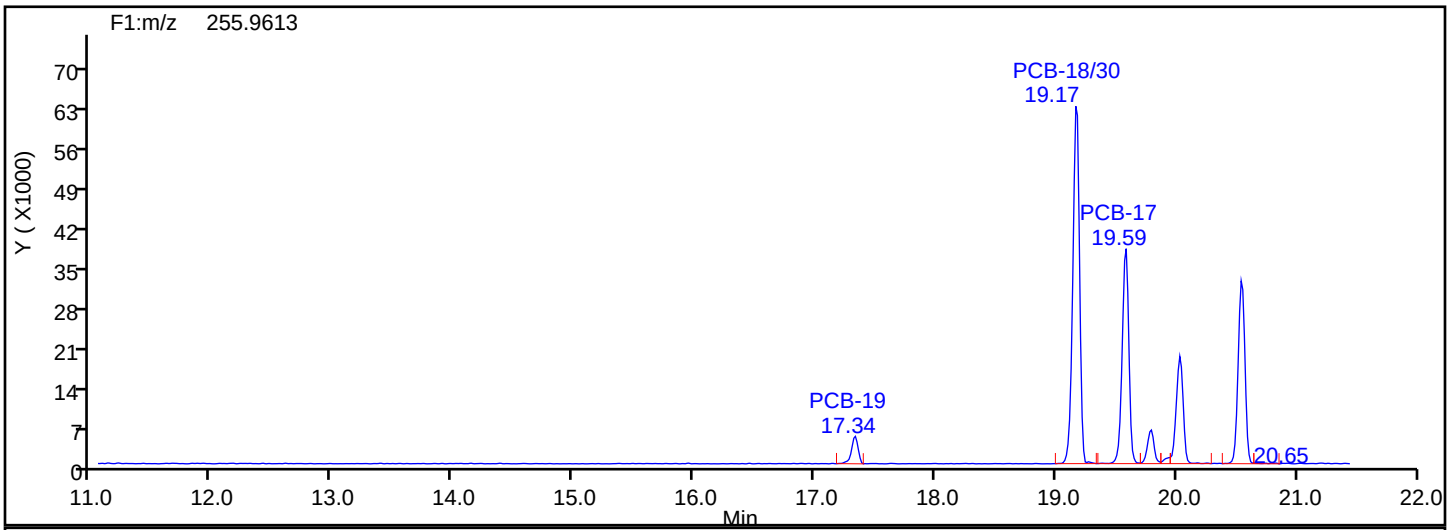

TriPCB F1 Standards

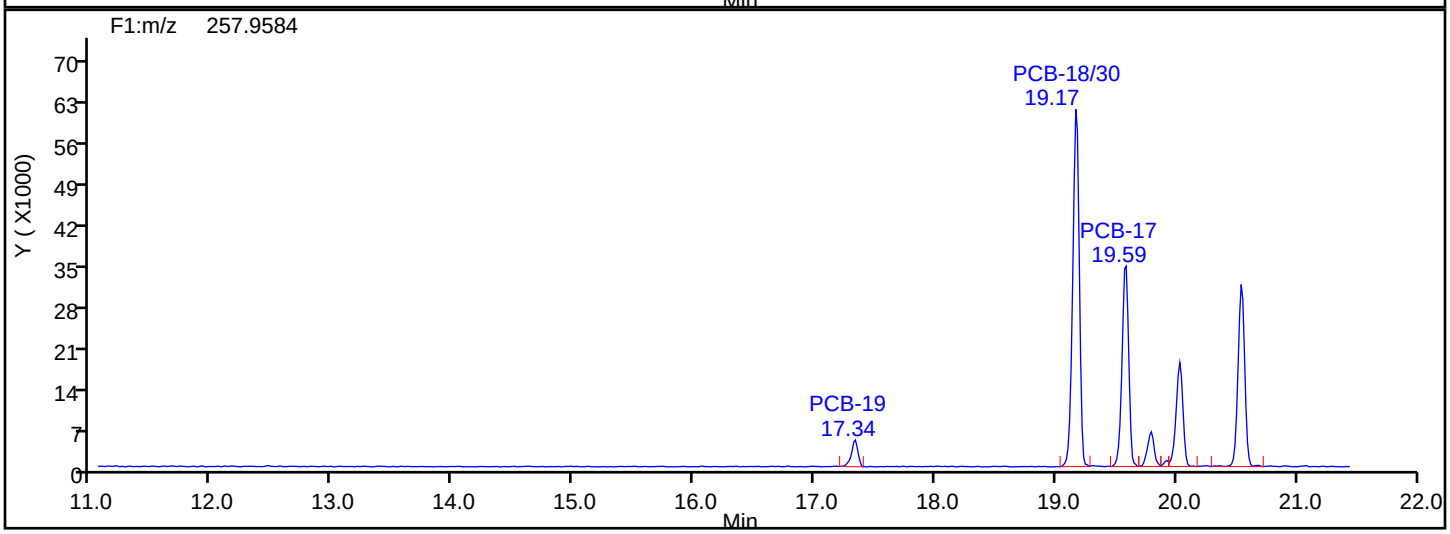


Eurofins TestAmerica, Knoxville

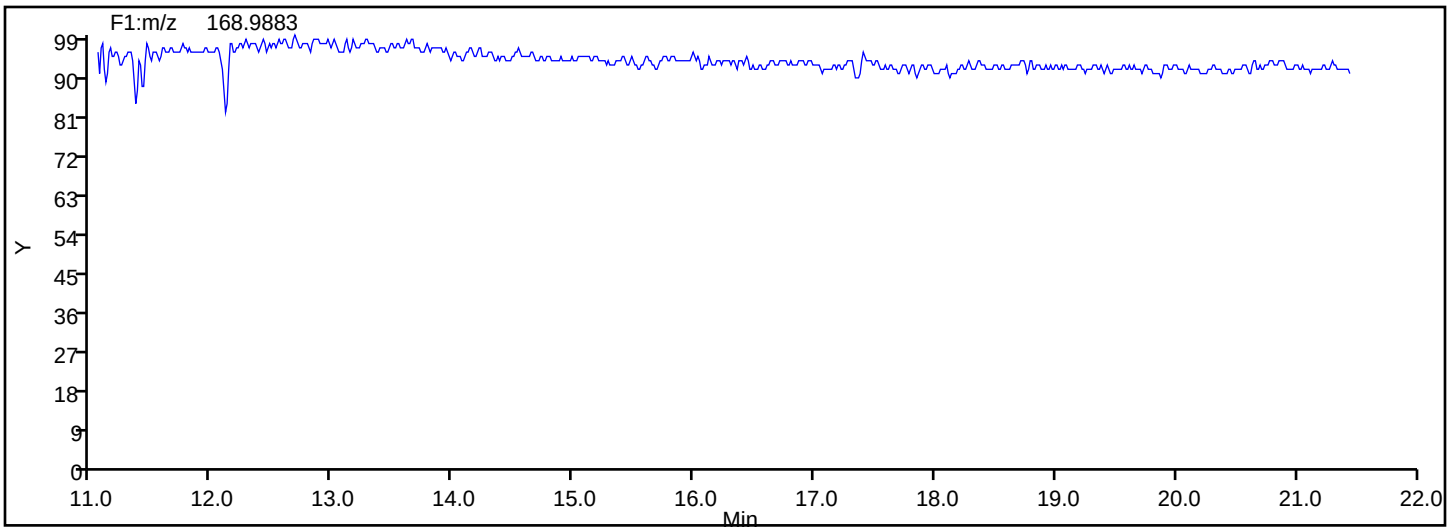
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

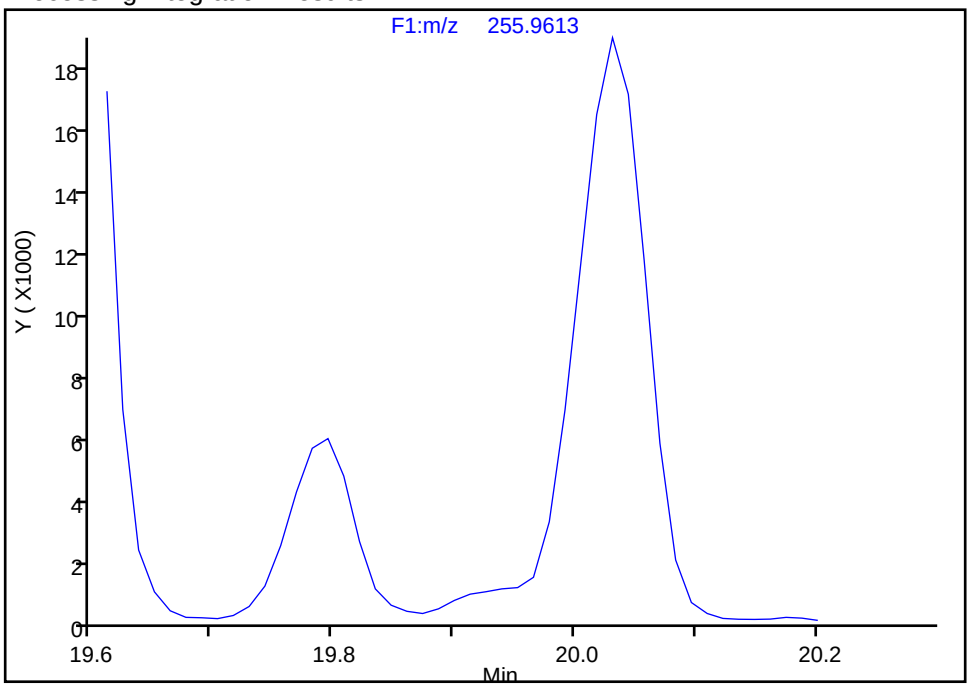
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

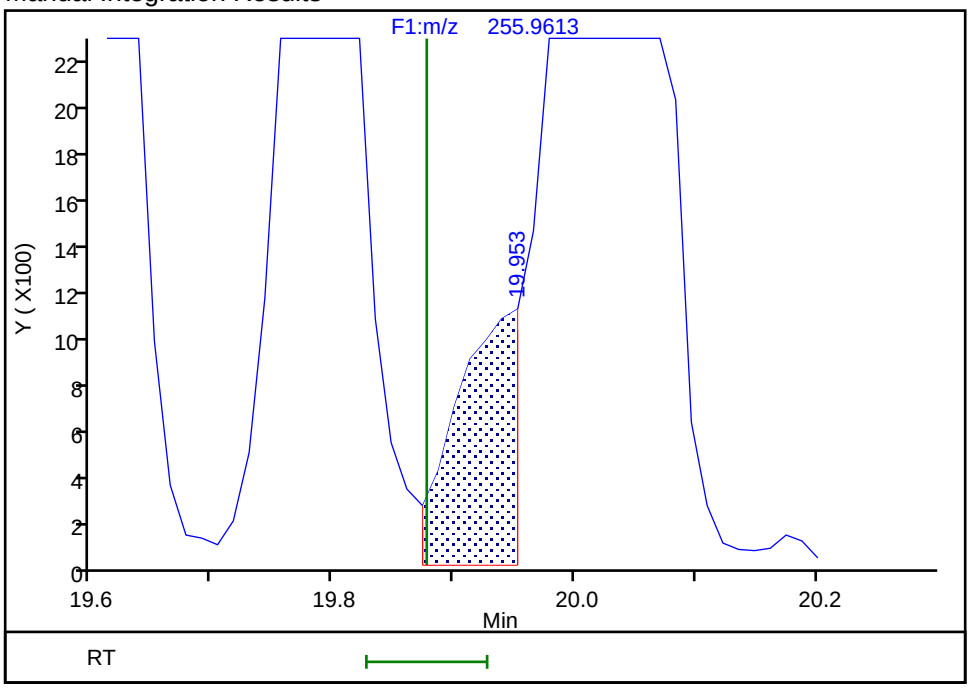
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.95
Area: 3633
Amount: 0.263097
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:10:25
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

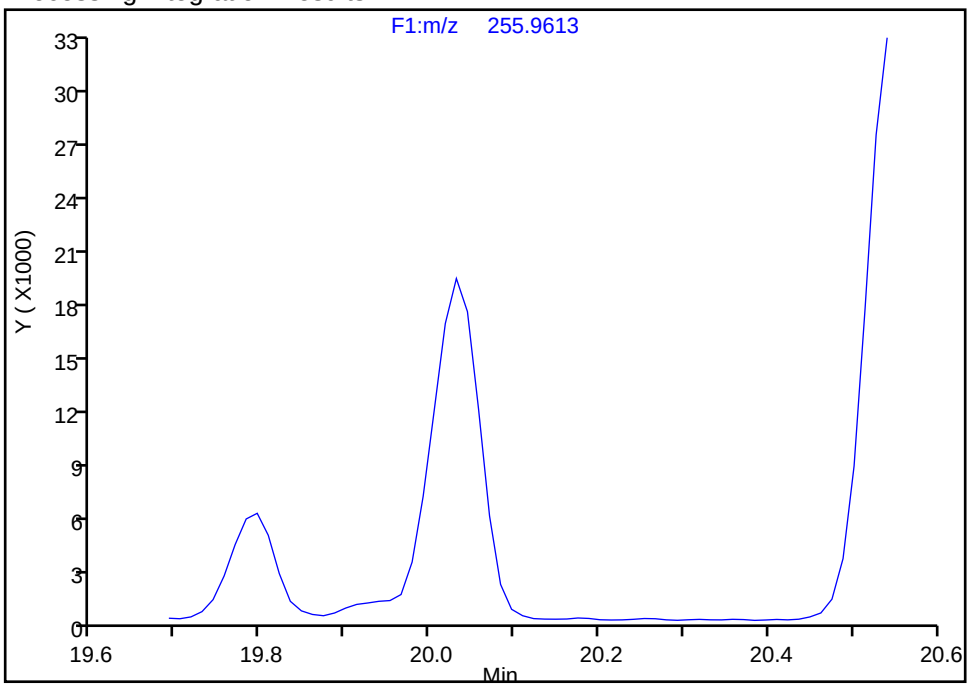
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

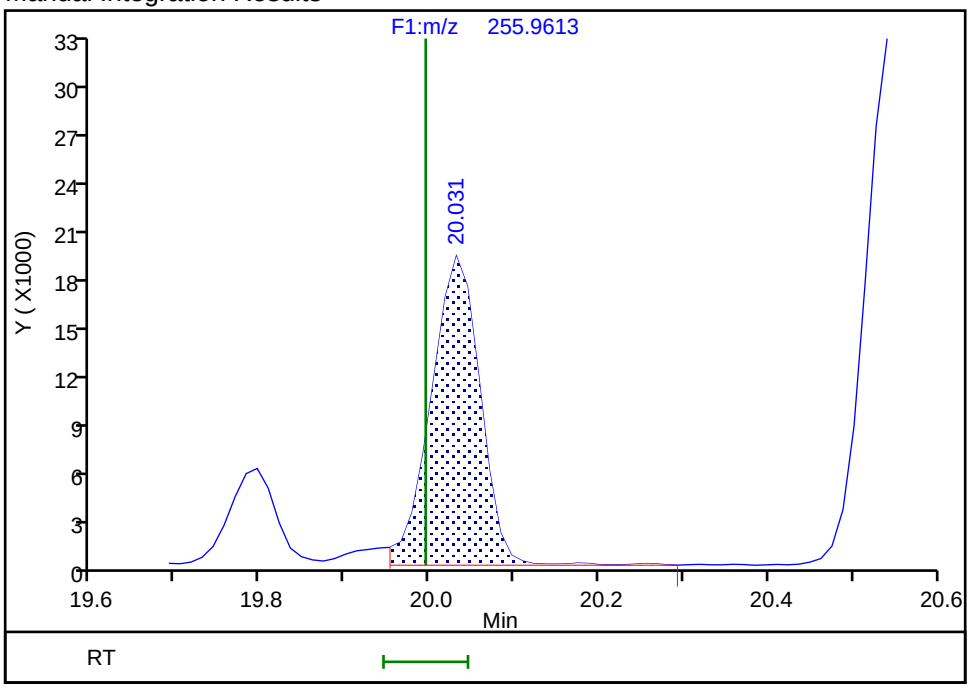
Not Detected
Expected RT: 19.99

Processing Integration Results




Manual Integration Results

RT: 20.03
Area: 75915
Amount: 10.675290
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:10:28
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

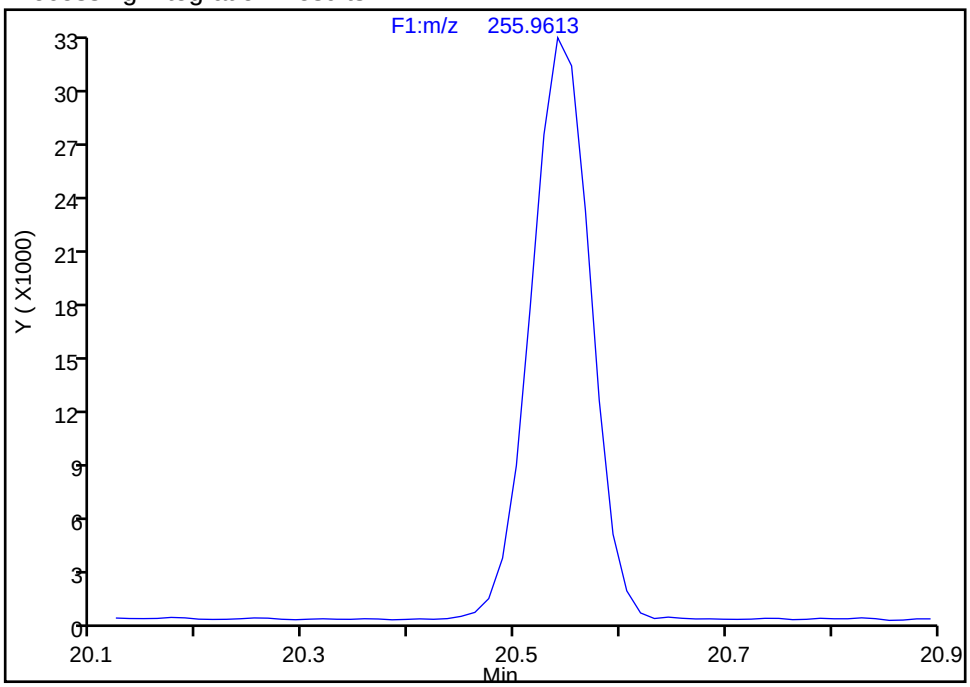
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

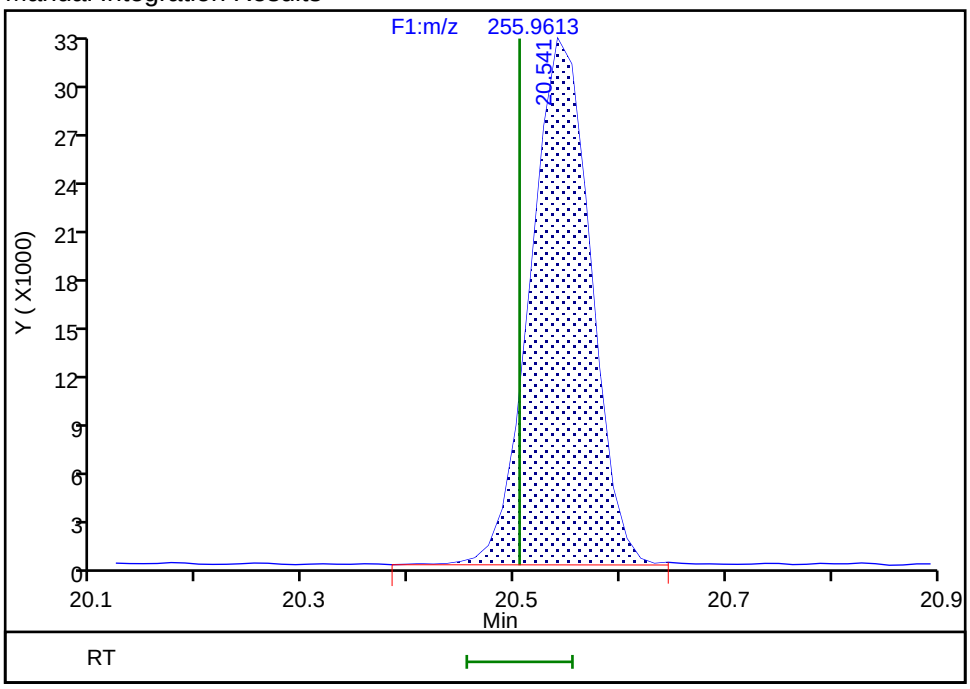
Not Detected
Expected RT: 20.50

Processing Integration Results




Manual Integration Results

RT: 20.54
Area: 126889
Amount: 9.437504
Amount Units: pg/ul



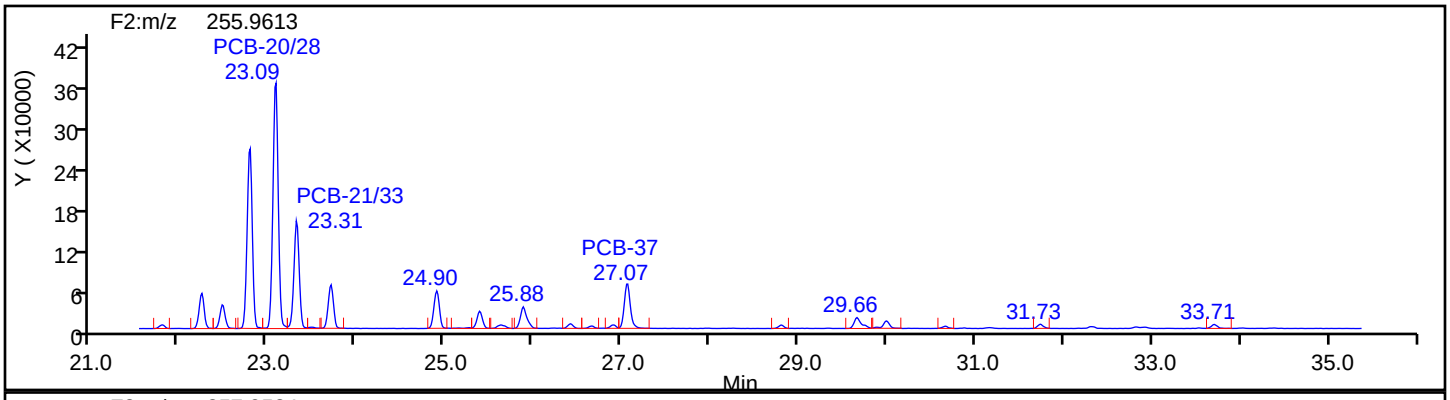

Reviewer: mcwhirterl, 03-Oct-2019 20:10:40
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

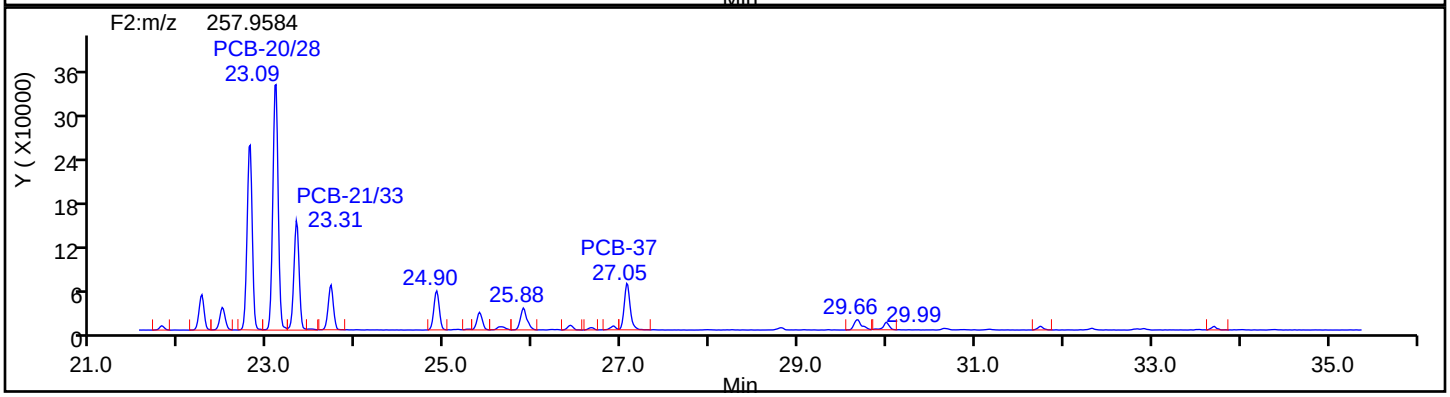
Report Date: 04-Oct-2019 00:00:43 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

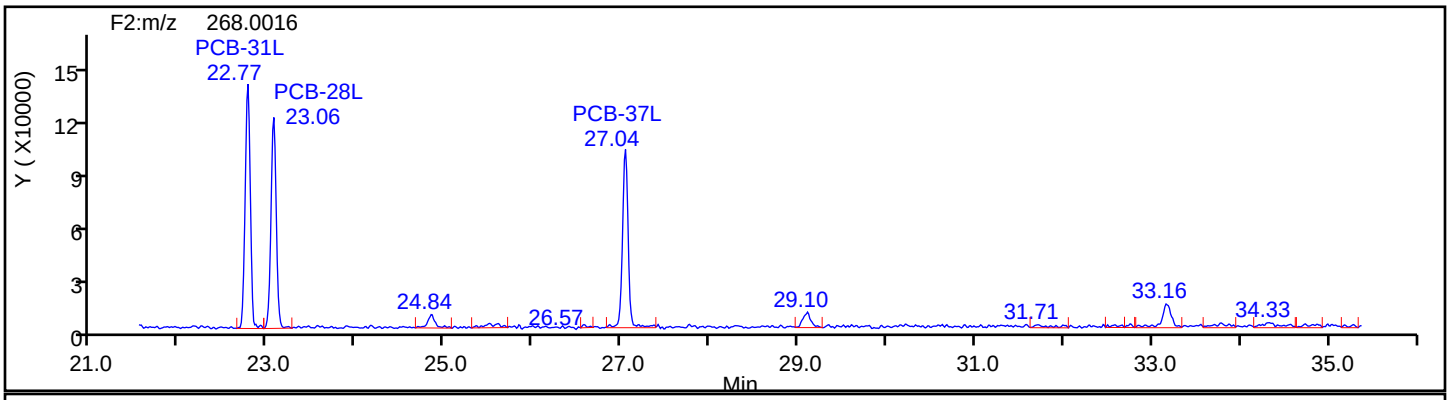
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

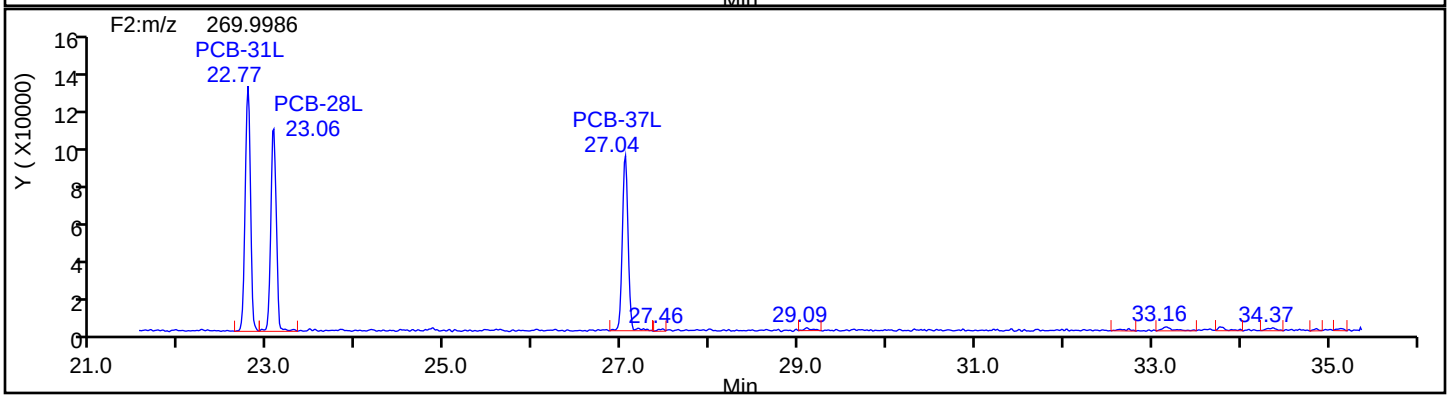
TriPCB F2




TriPCB F2 Standards

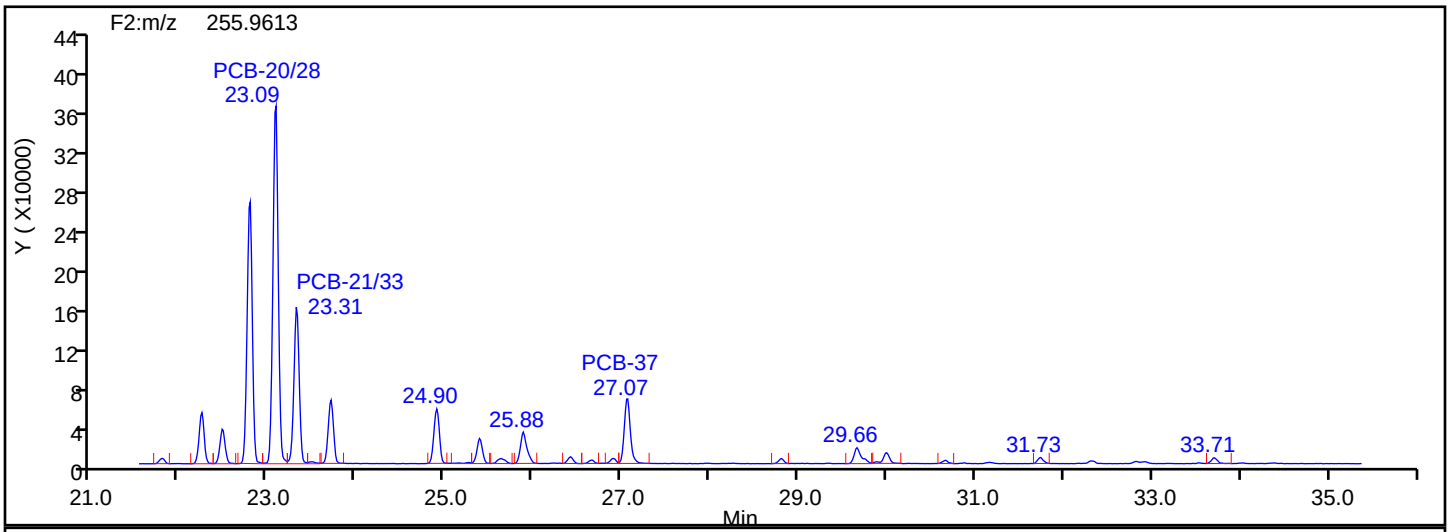


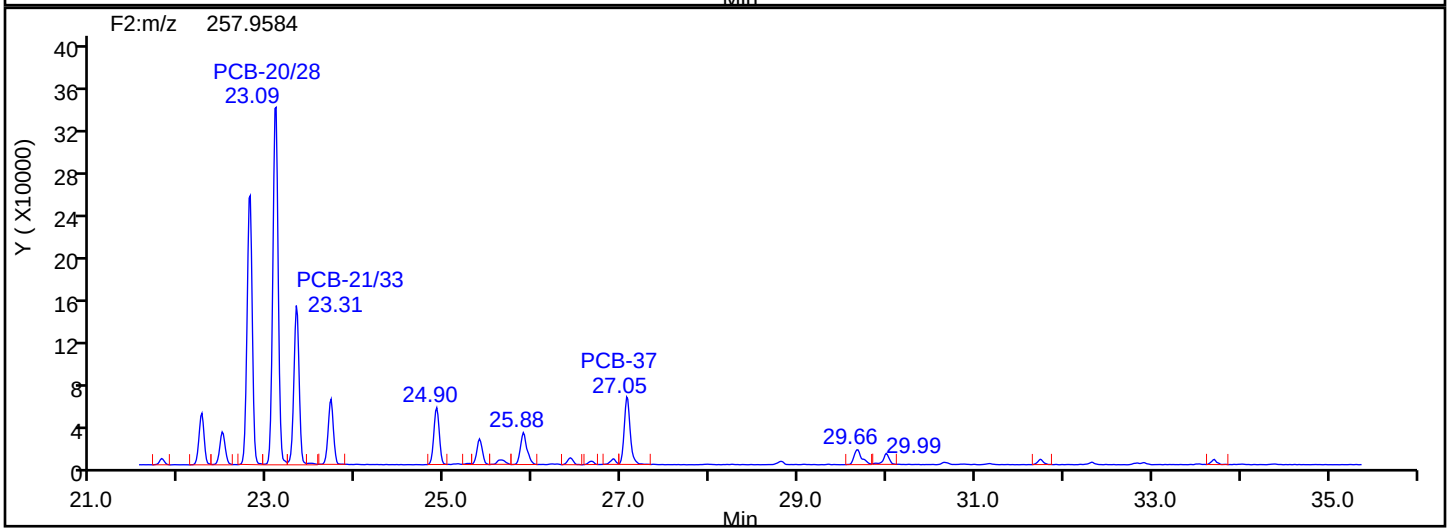



Eurofins TestAmerica, Knoxville

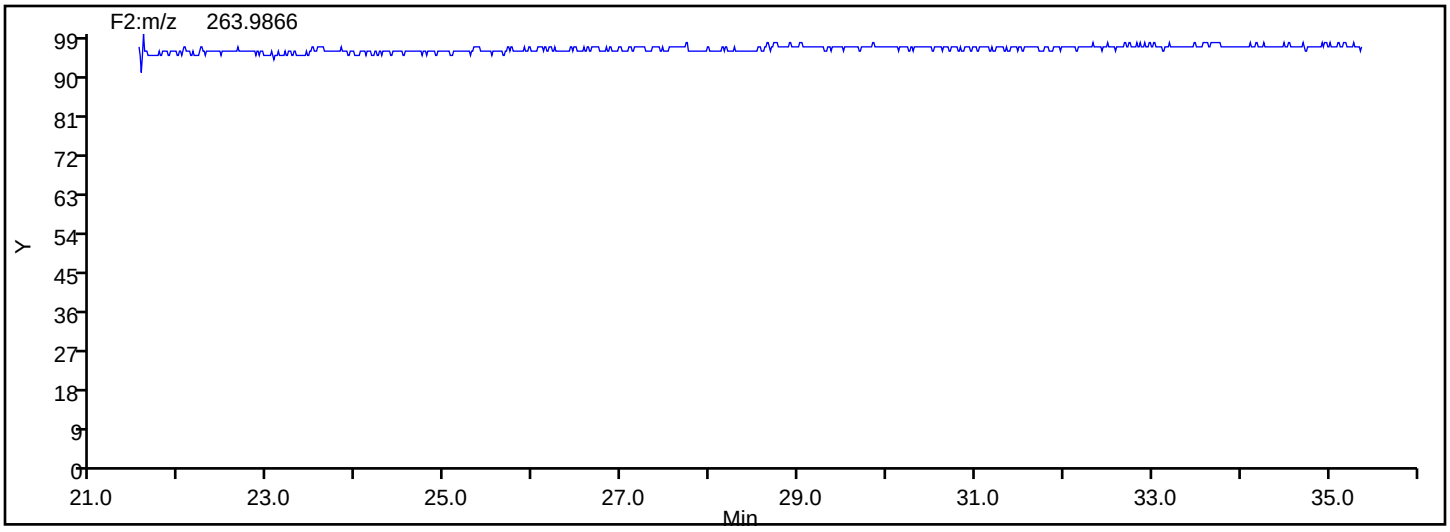
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

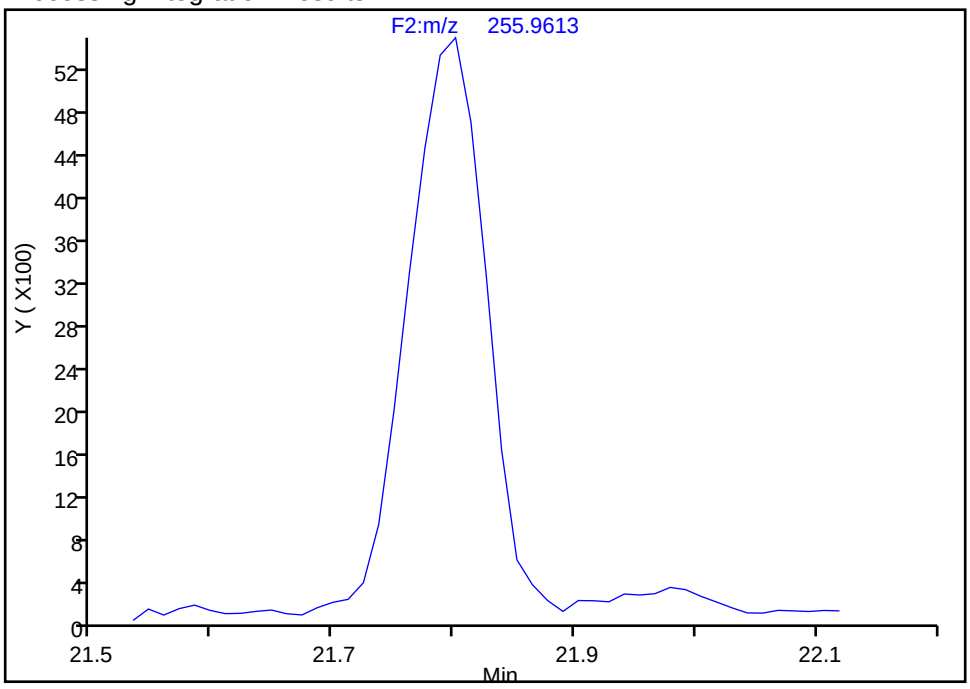
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

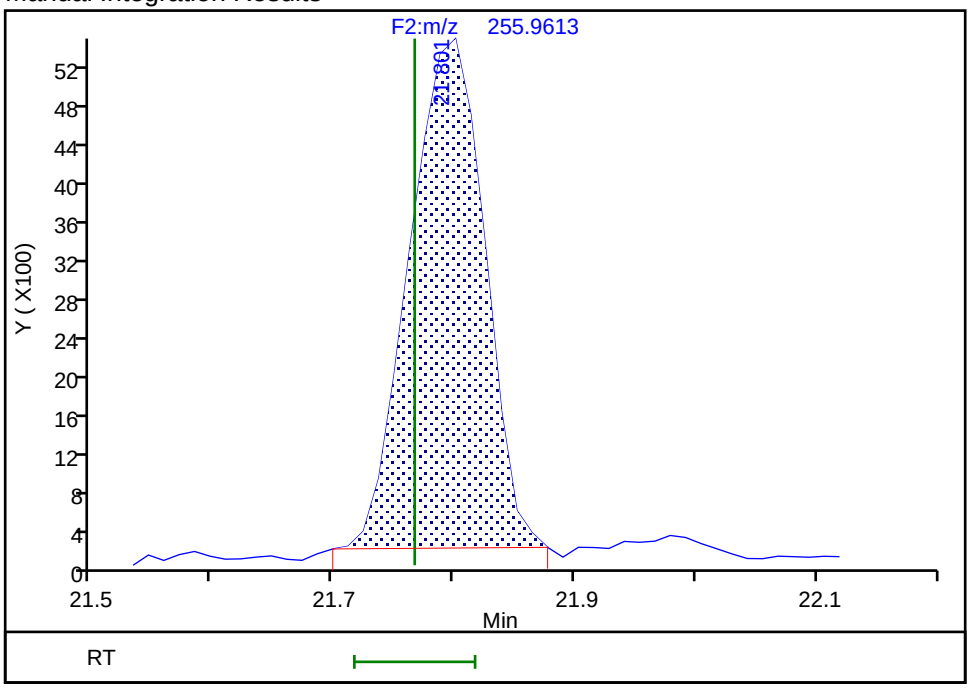
Not Detected
Expected RT: 21.77

Processing Integration Results




Manual Integration Results

RT: 21.80
Area: 22875
Amount: 0.861315
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:10:51
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

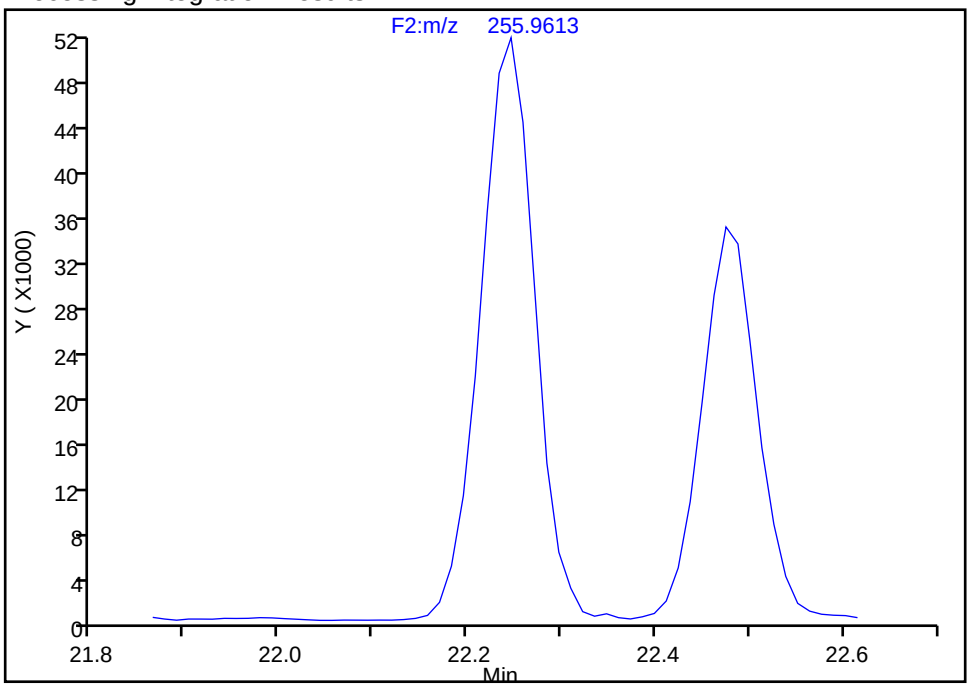
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

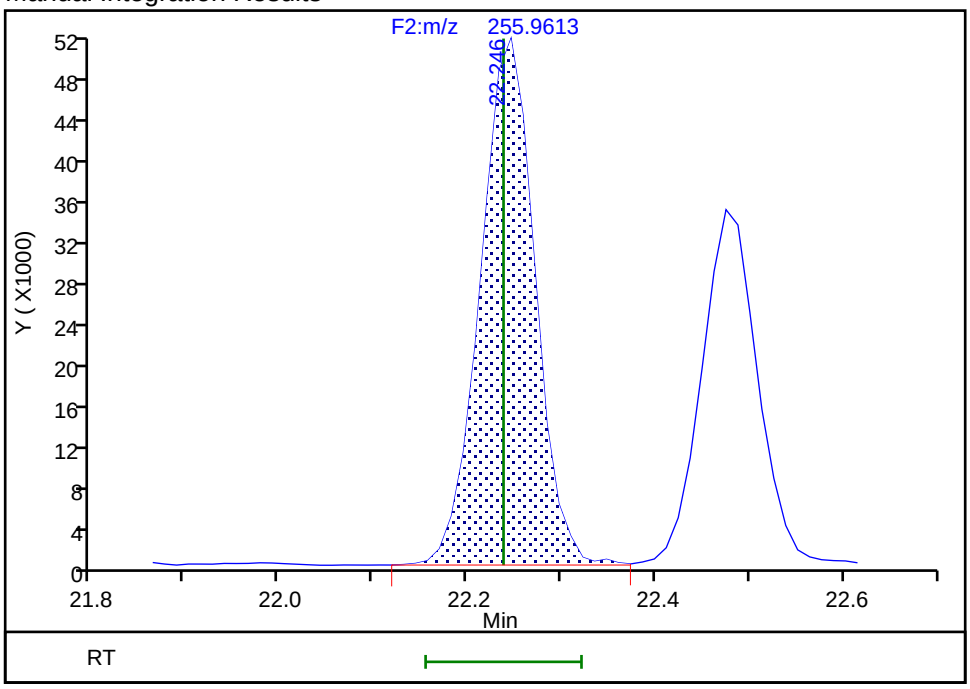
Not Detected
Expected RT: 22.24

Processing Integration Results




Manual Integration Results

RT: 22.25
Area: 209060
Amount: 7.100407
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:10:56
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

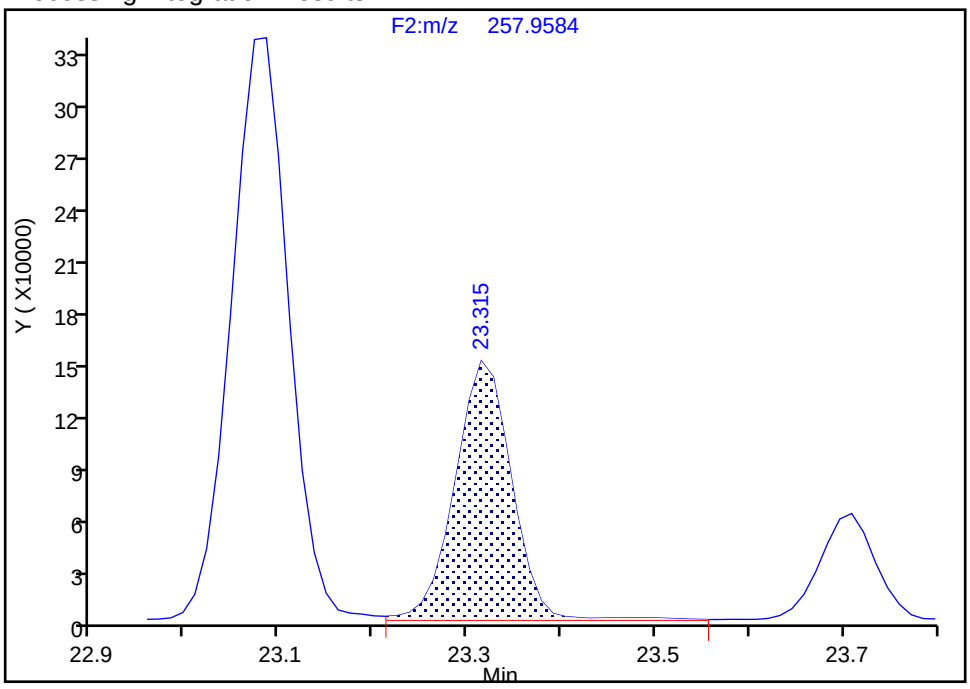
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 2

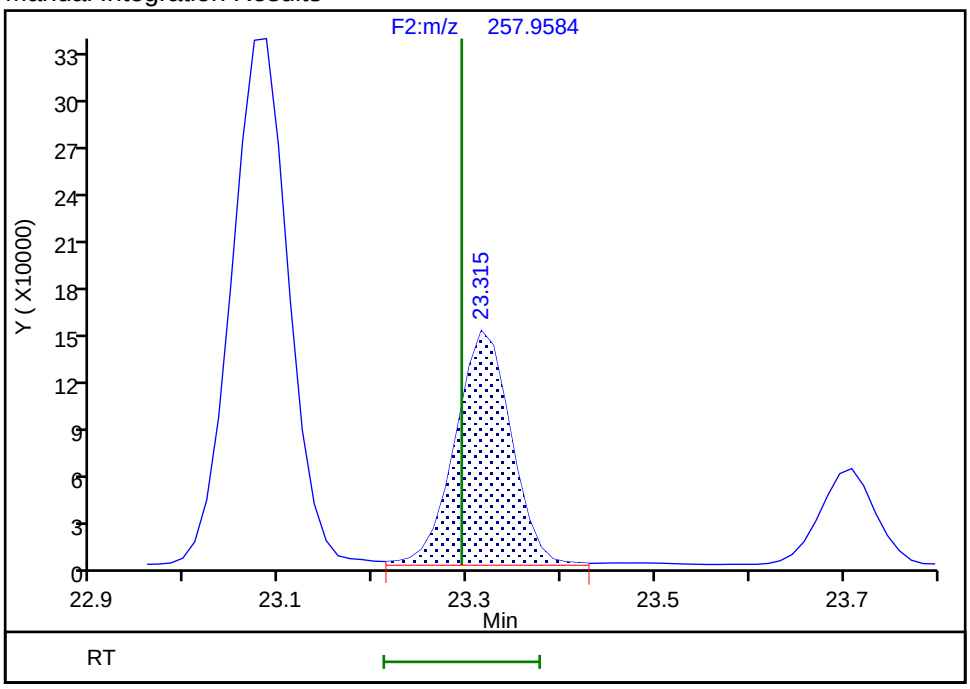
Processing Integration Results

RT: 23.31
Area: 626936
Amount: 21.846849
Amount Units: pg/ul




Manual Integration Results

RT: 23.31
Area: 618028
Amount: 21.510236
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:11:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

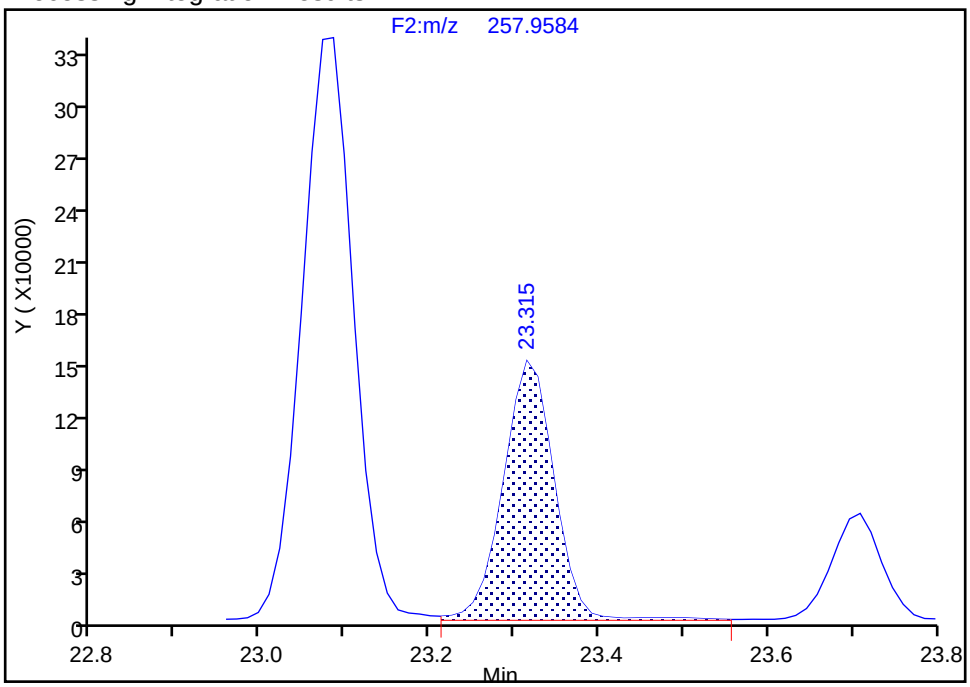
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 3

Processing Integration Results

RT: 23.31
Area: 1301674
Amount: 21.846849
Amount Units: pg/ul




Manual Integration Results

RT: 23.31
Area: 1281618
Amount: 21.510236
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:11:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

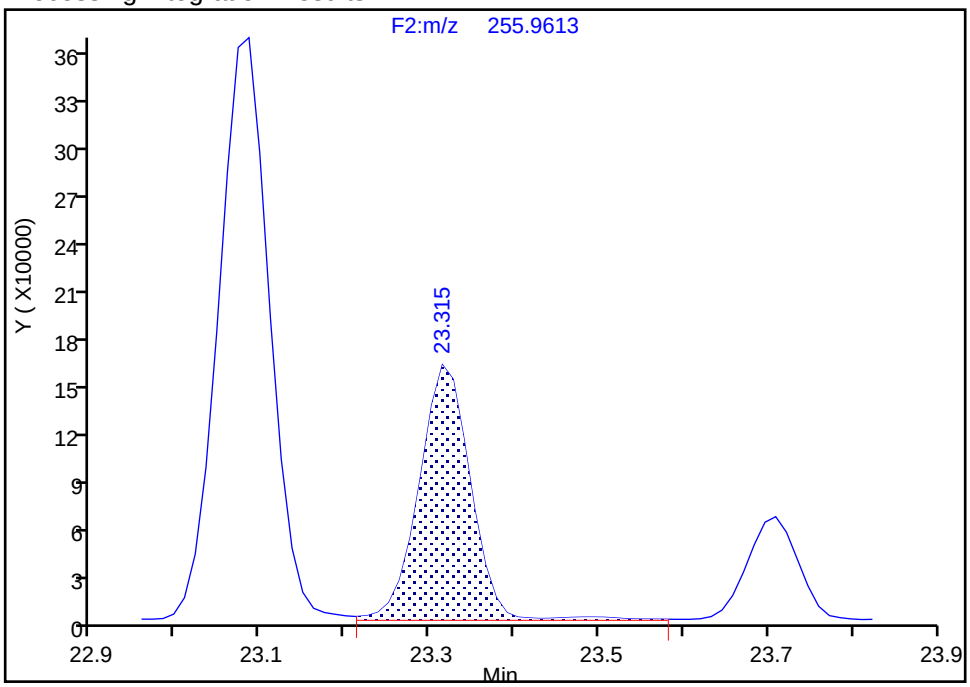
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 1

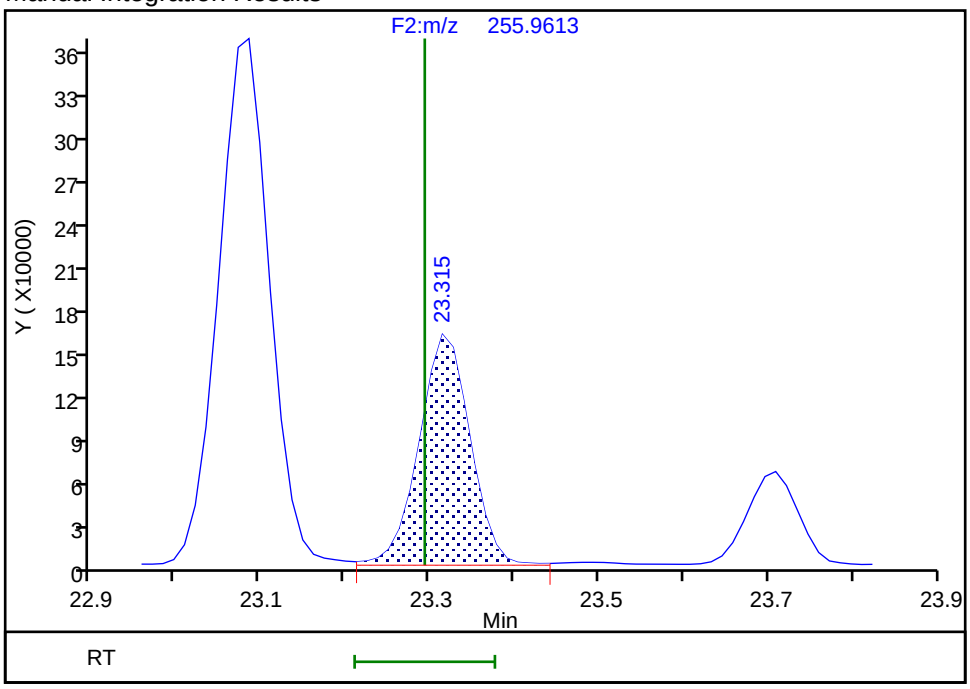
Processing Integration Results

RT: 23.31
Area: 674738
Amount: 21.846849
Amount Units: pg/ul




Manual Integration Results

RT: 23.31
Area: 663590
Amount: 21.510236
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:11:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

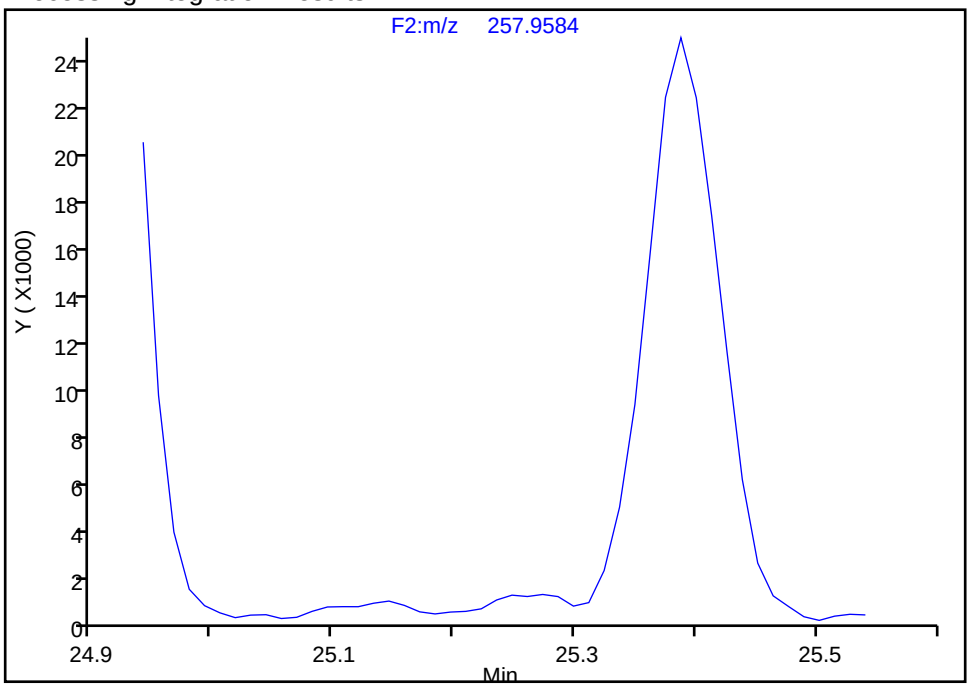
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

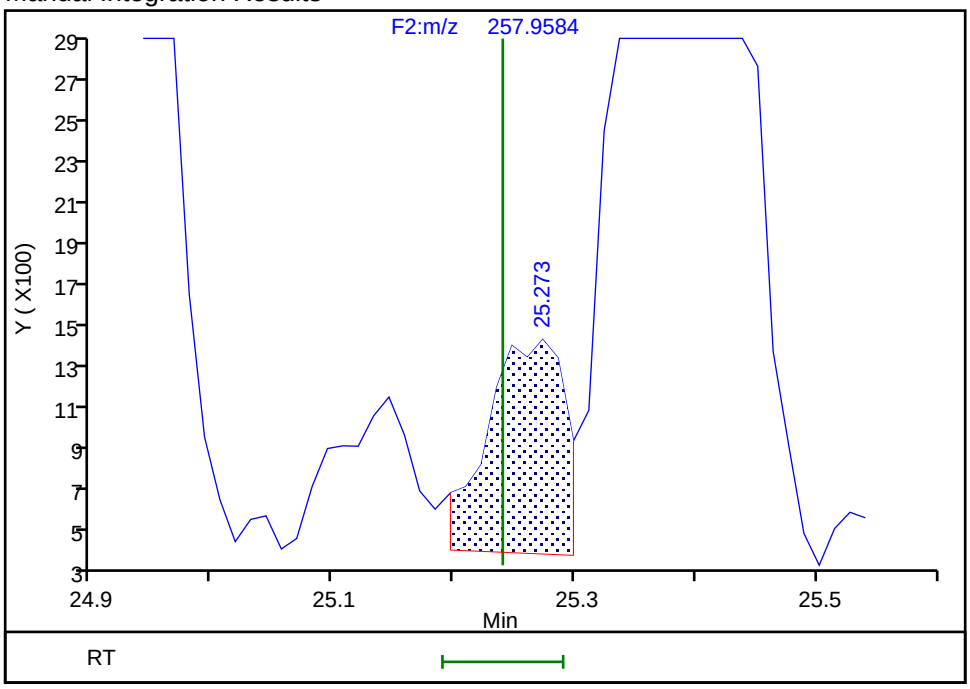
Not Detected
Expected RT: 25.24

Processing Integration Results




Manual Integration Results

RT: 25.27
Area: 4397
Amount: 0.201702
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:11:21
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

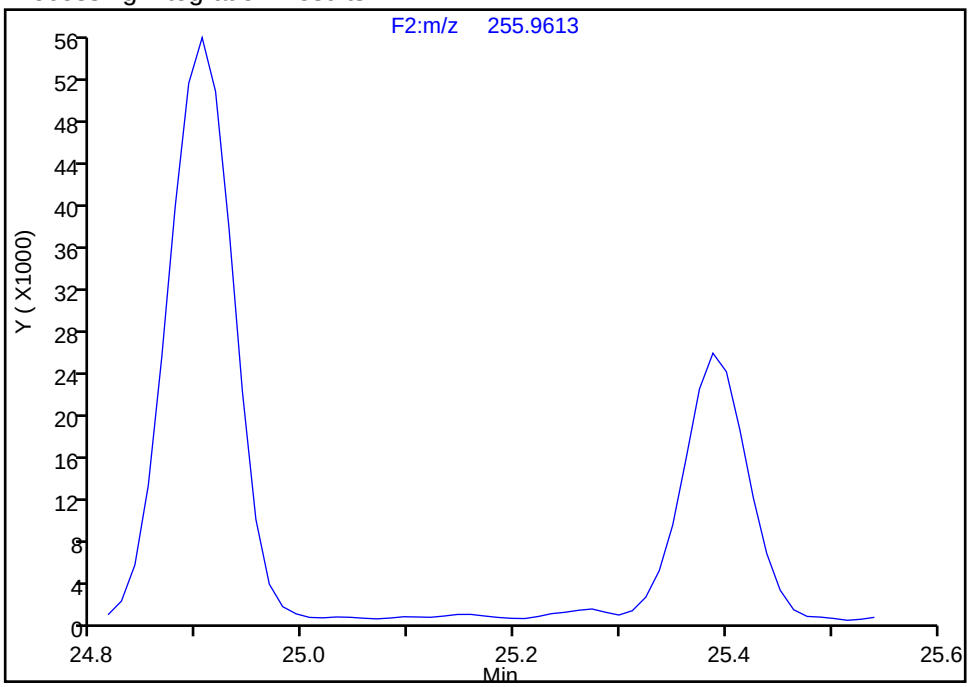
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

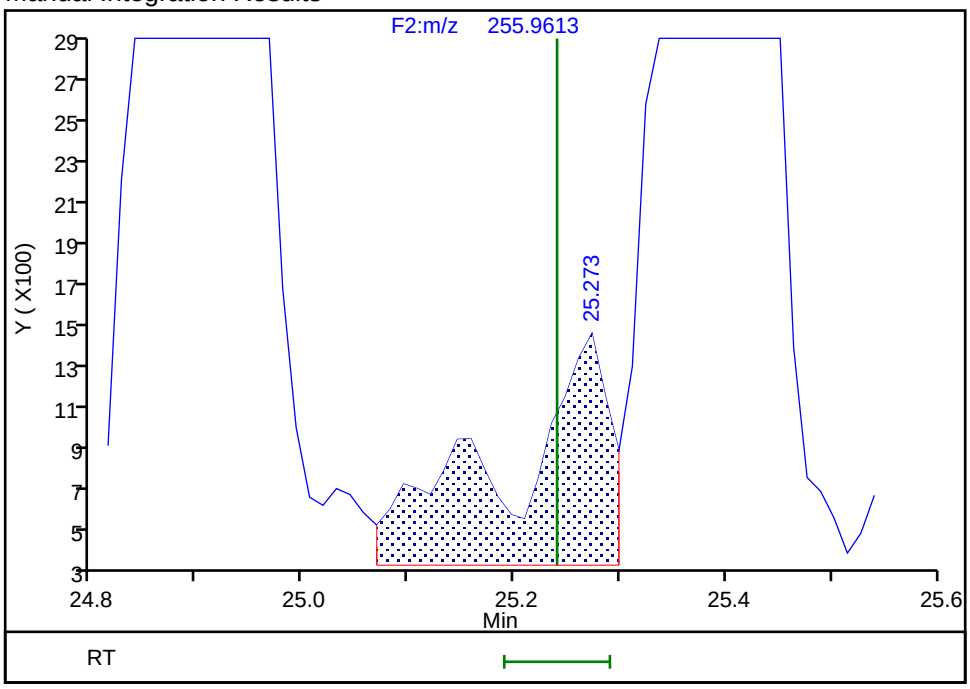
Not Detected
Expected RT: 25.24

Processing Integration Results




Manual Integration Results

RT: 25.27
Area: 7352
Amount: 0.201702
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:11:53
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

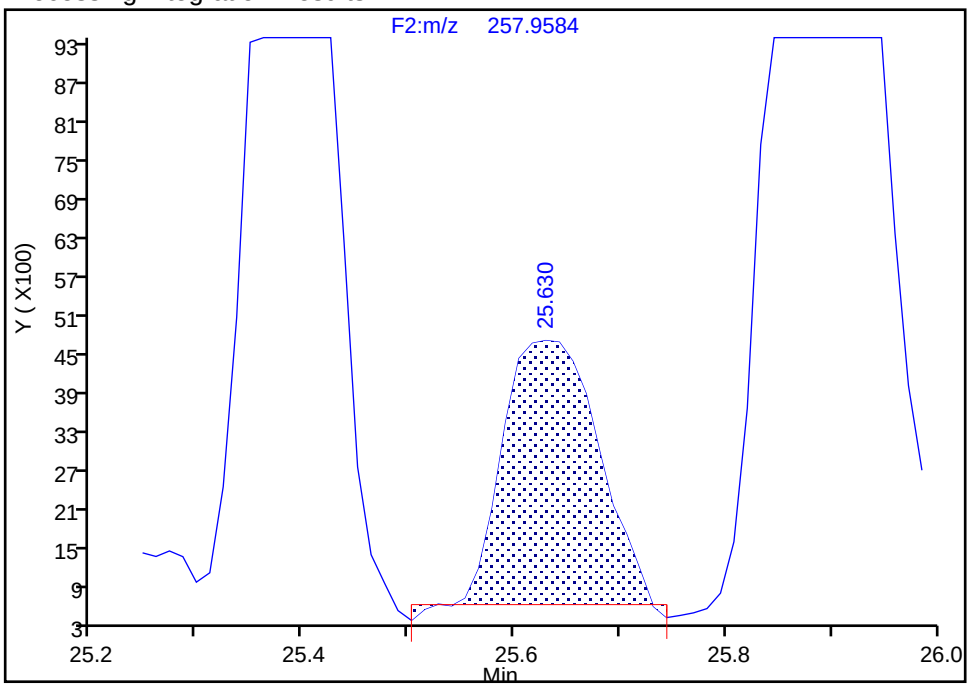
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 2

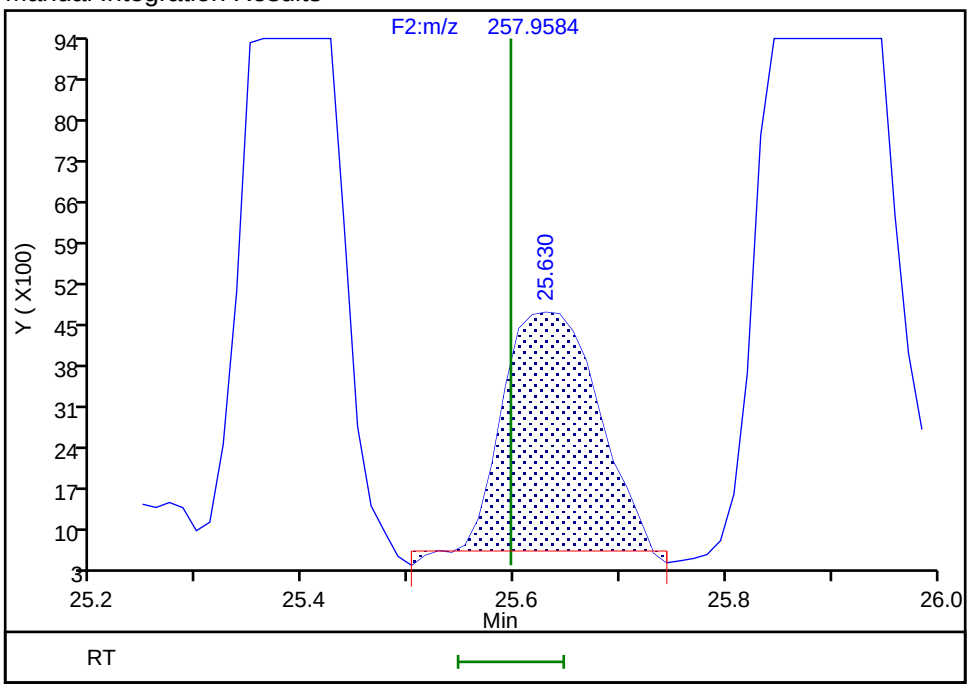
Processing Integration Results

RT: 25.63
Area: 25238
Amount: 0.647702
Amount Units: pg/ul




Manual Integration Results

RT: 25.63
Area: 25238
Amount: 0.946843
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:12:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

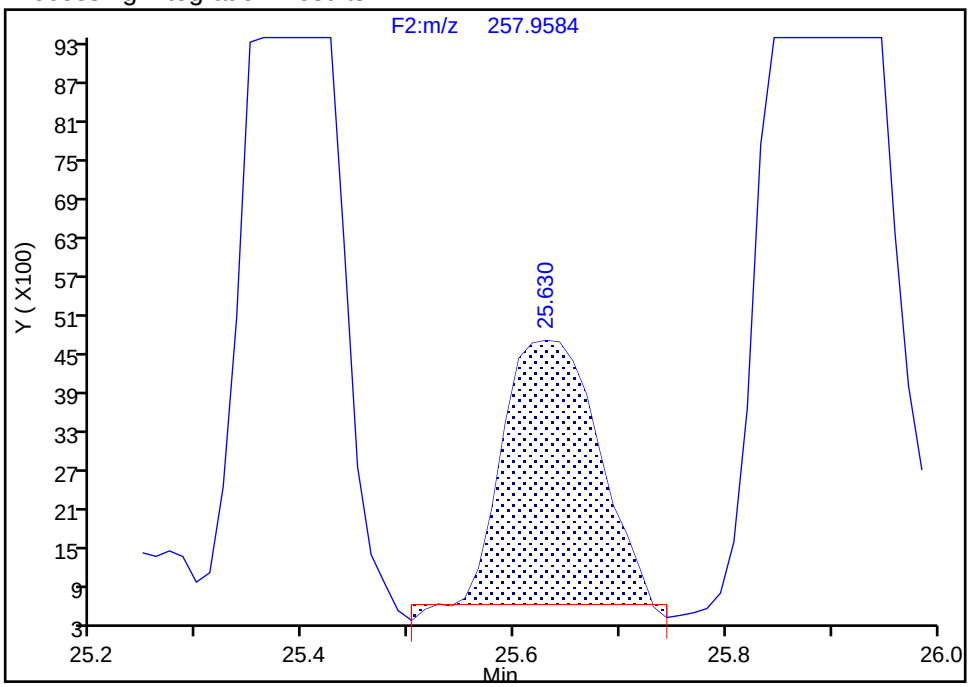
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 3

Processing Integration Results

RT: 25.63
Area: 39134
Amount: 0.647702
Amount Units: pg/ul




Manual Integration Results

RT: 25.63
Area: 57208
Amount: 0.946843
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:12:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

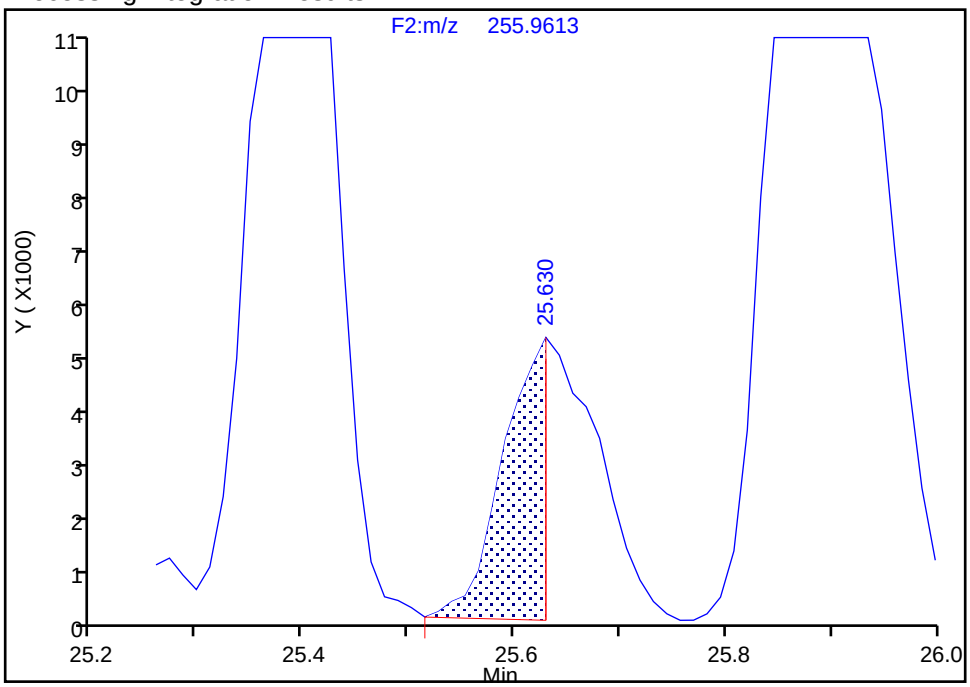
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

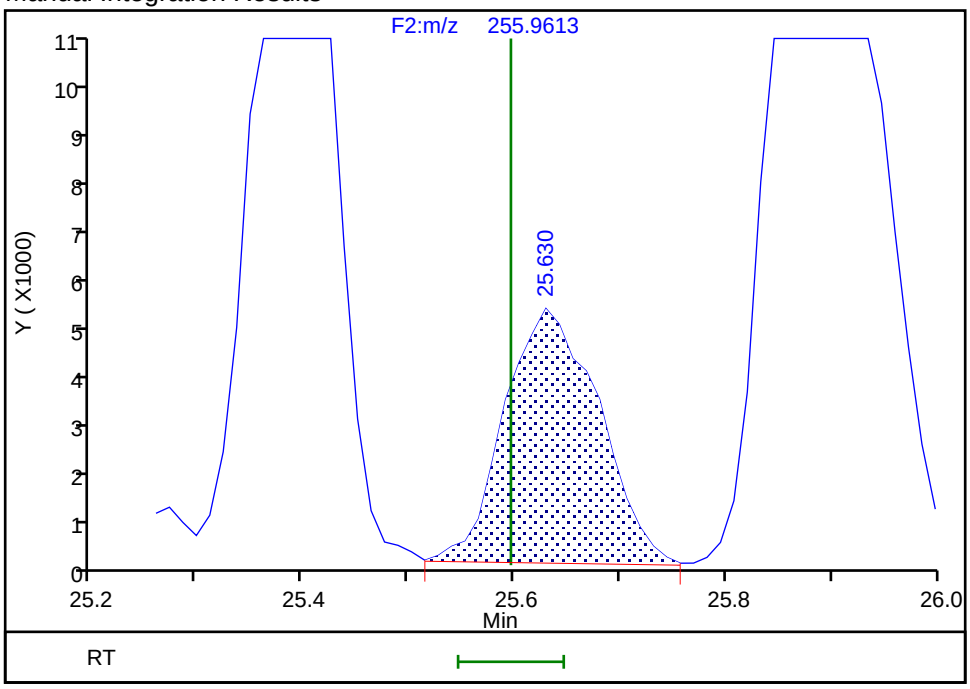
Processing Integration Results

RT: 25.63
Area: 13896
Amount: 0.647702
Amount Units: pg/ul




Manual Integration Results

RT: 25.63
Area: 31970
Amount: 0.946843
Amount Units: pg/ul

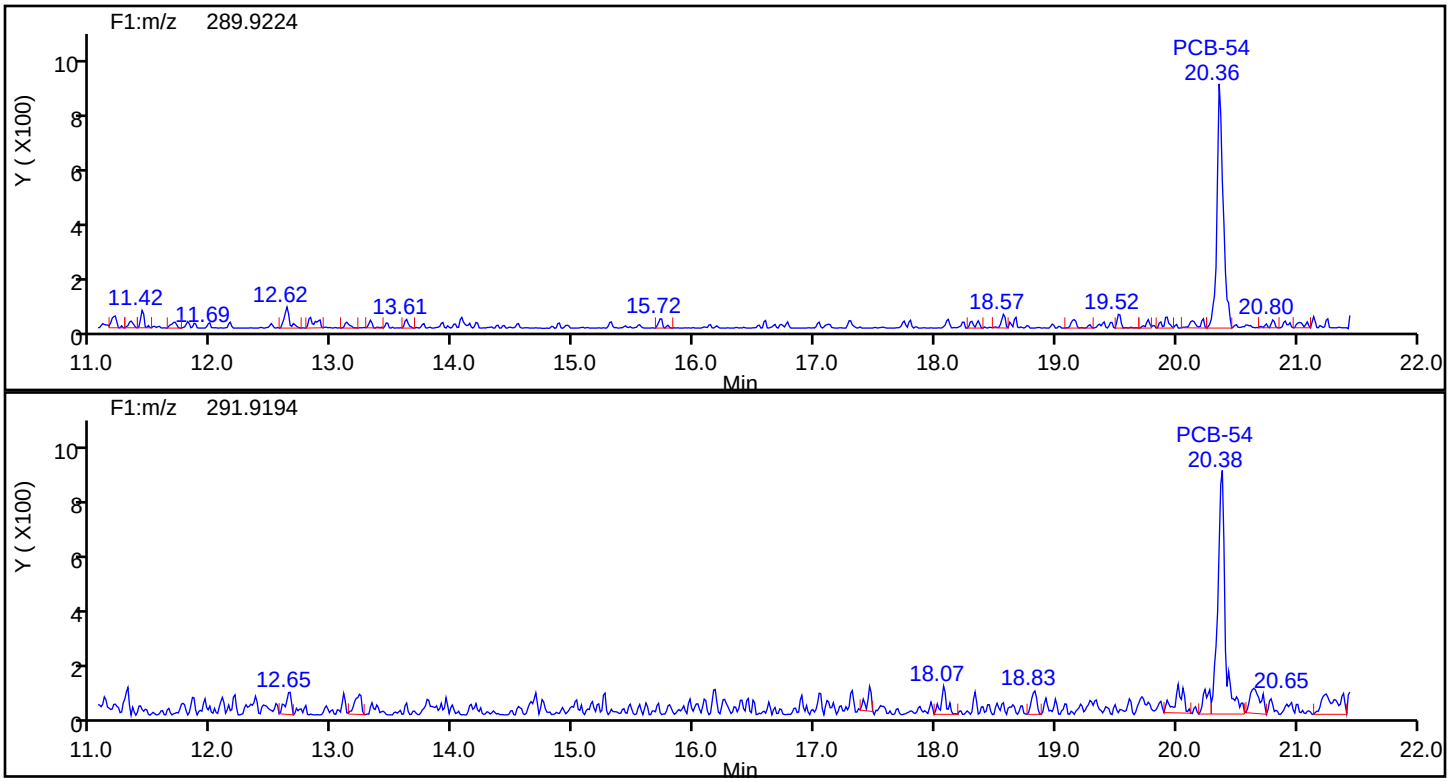



Reviewer: mcwhirterl, 03-Oct-2019 20:12:08
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

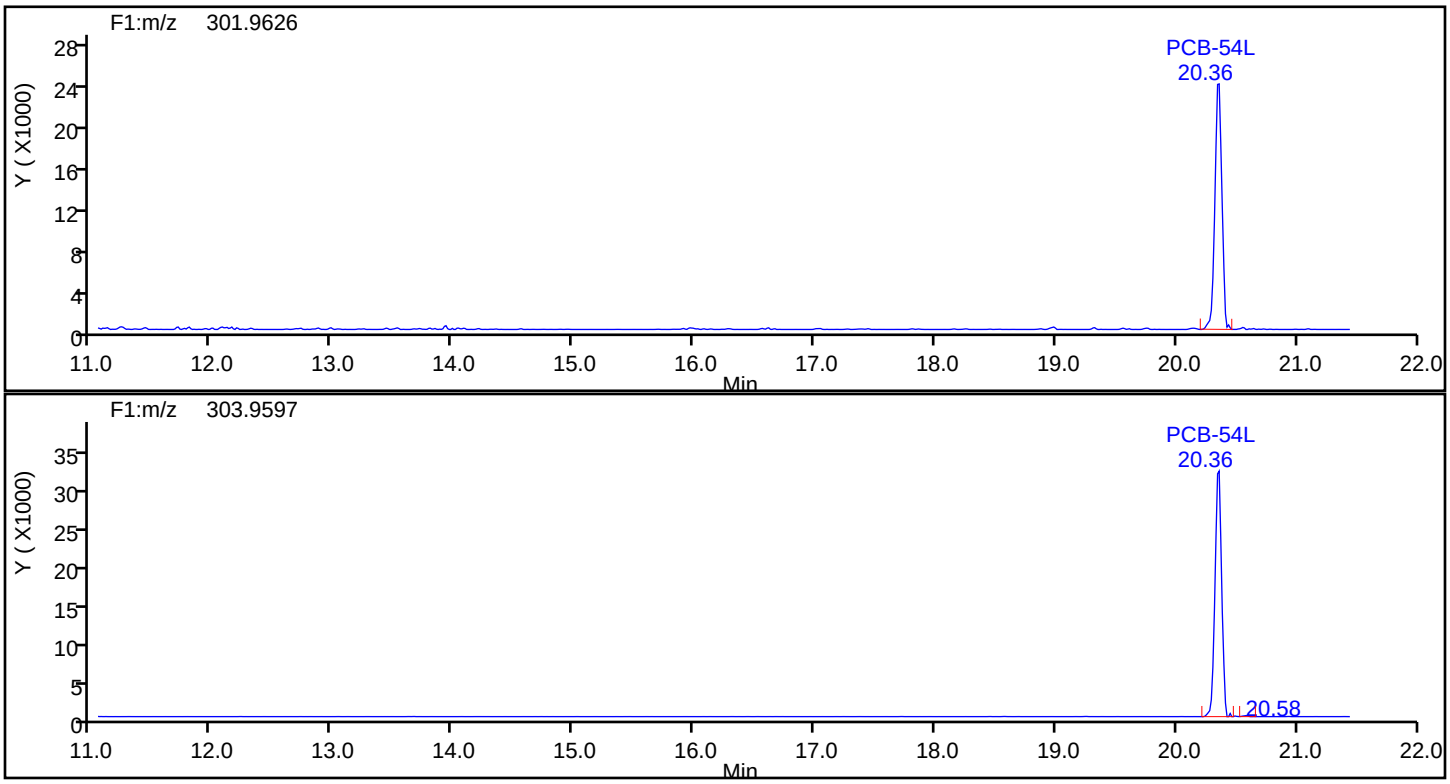
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



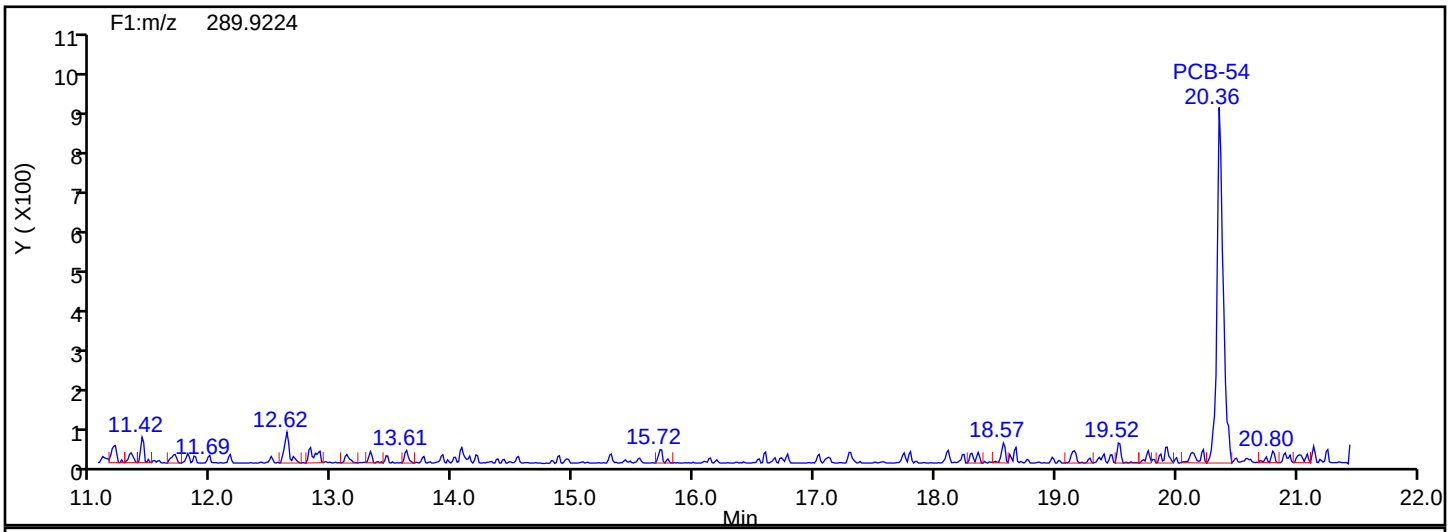

TePCB F1 Standards

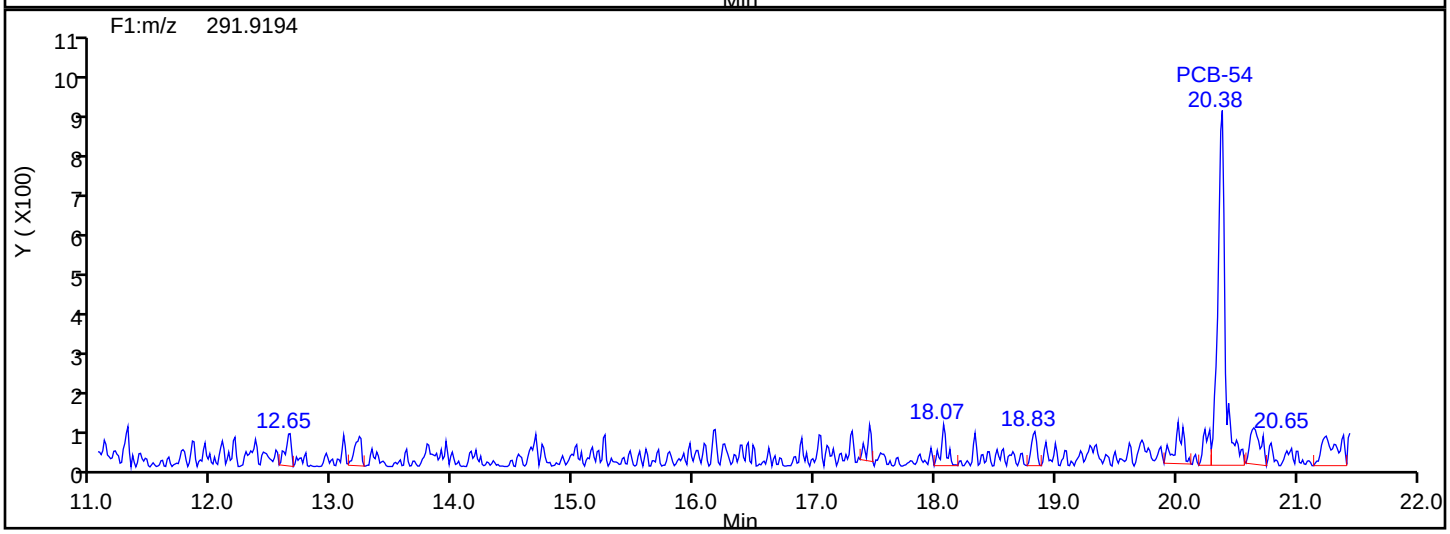


Eurofins TestAmerica, Knoxville

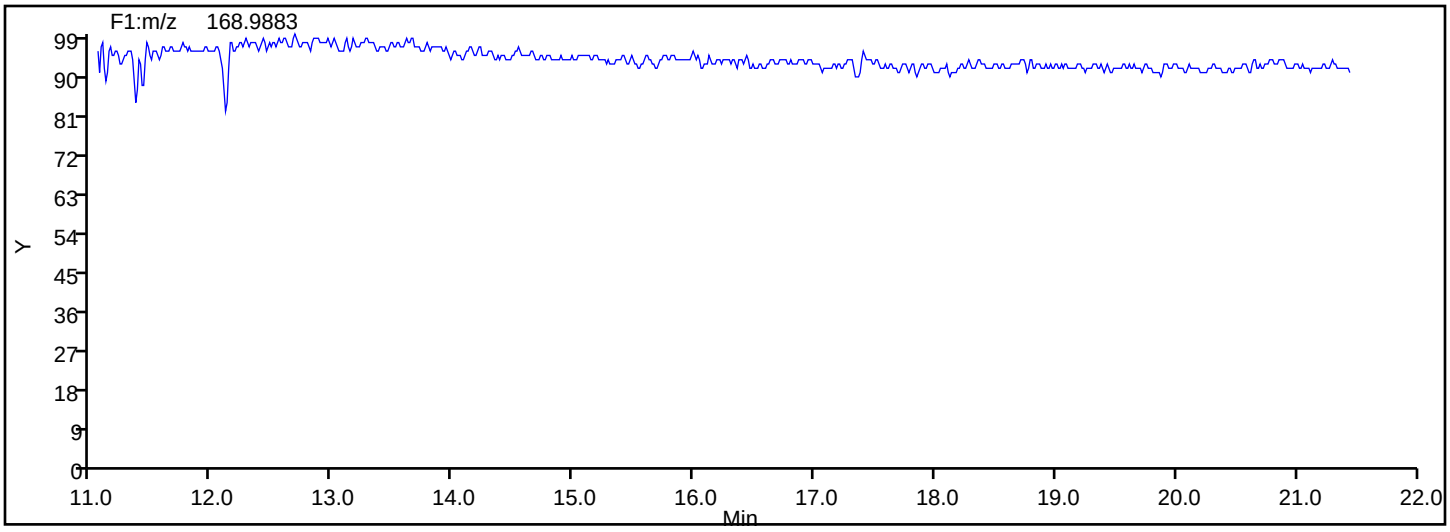
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



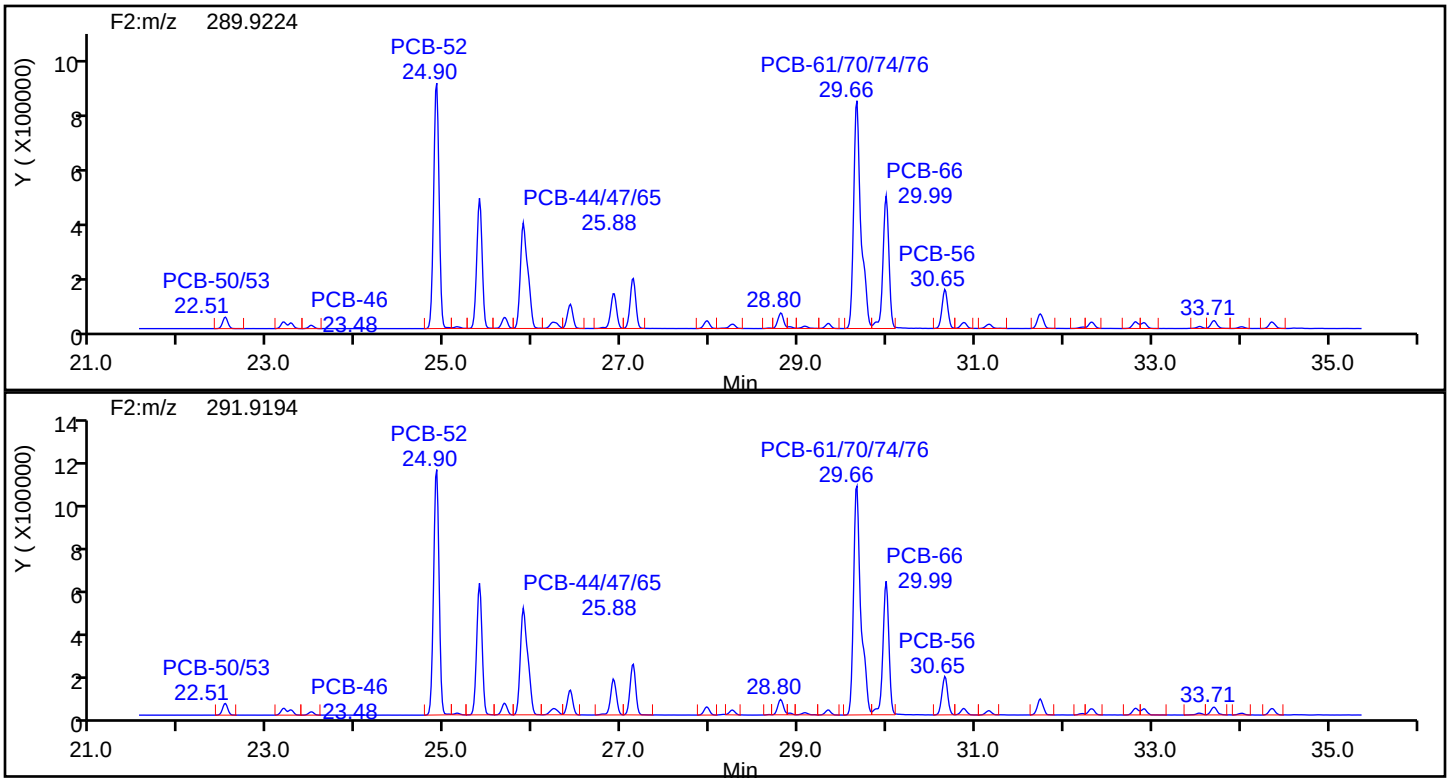

TePCB F1 Lock Mass



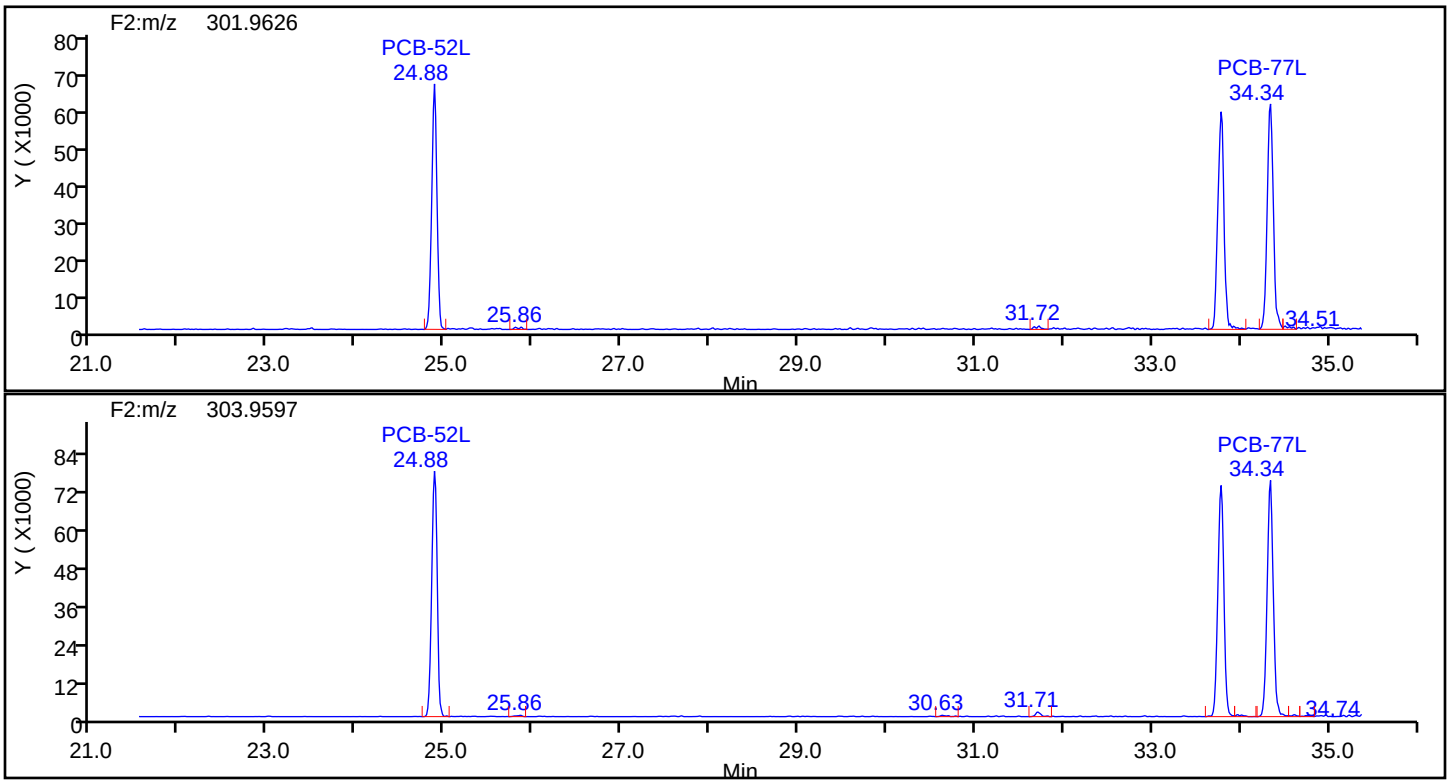
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



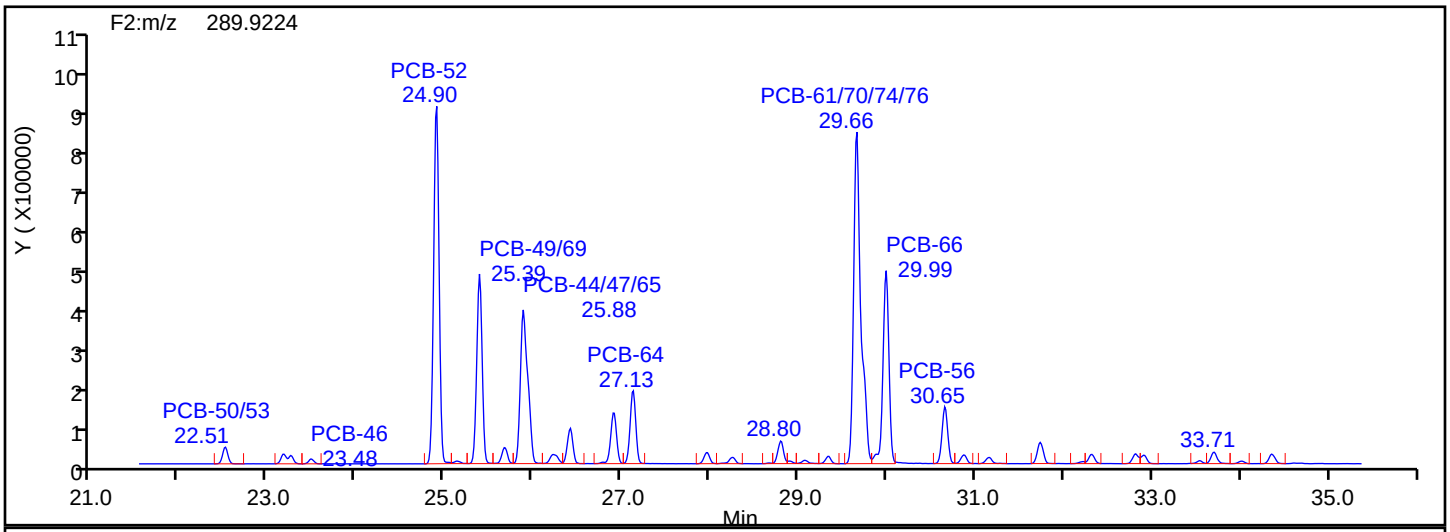

TePCB F2 Standards

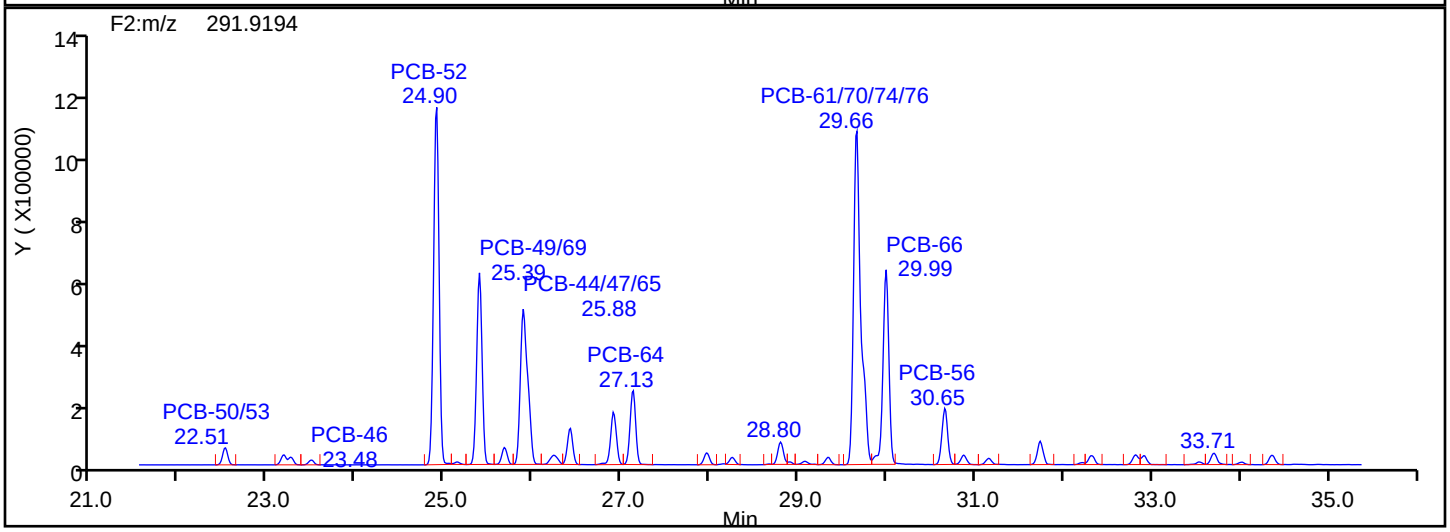


Eurofins TestAmerica, Knoxville

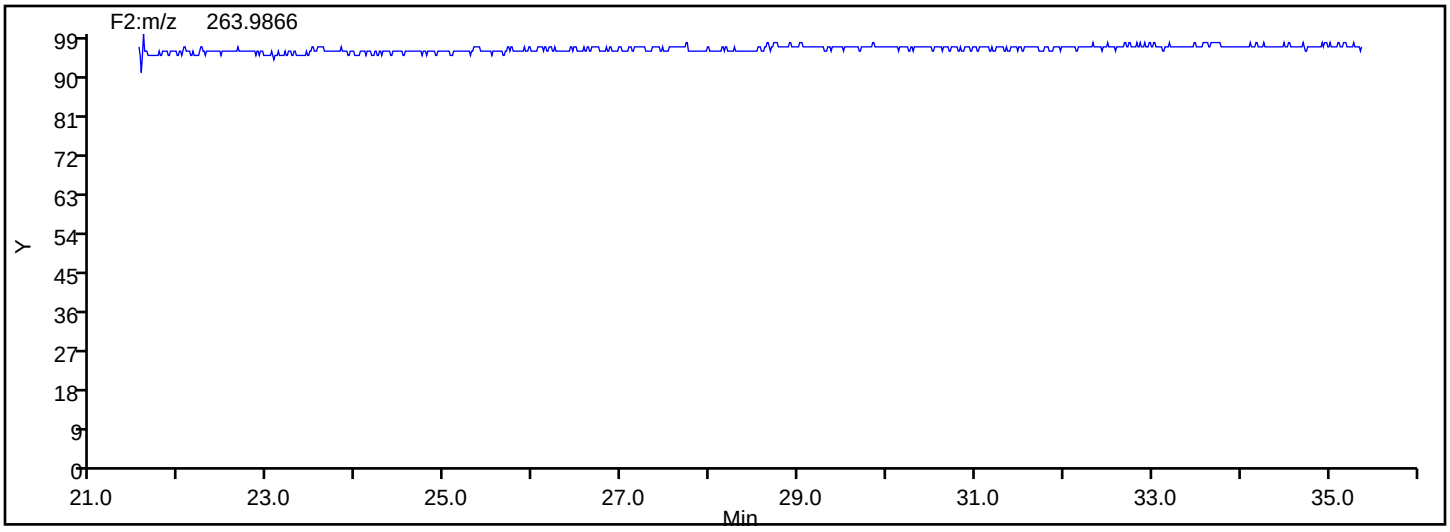
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

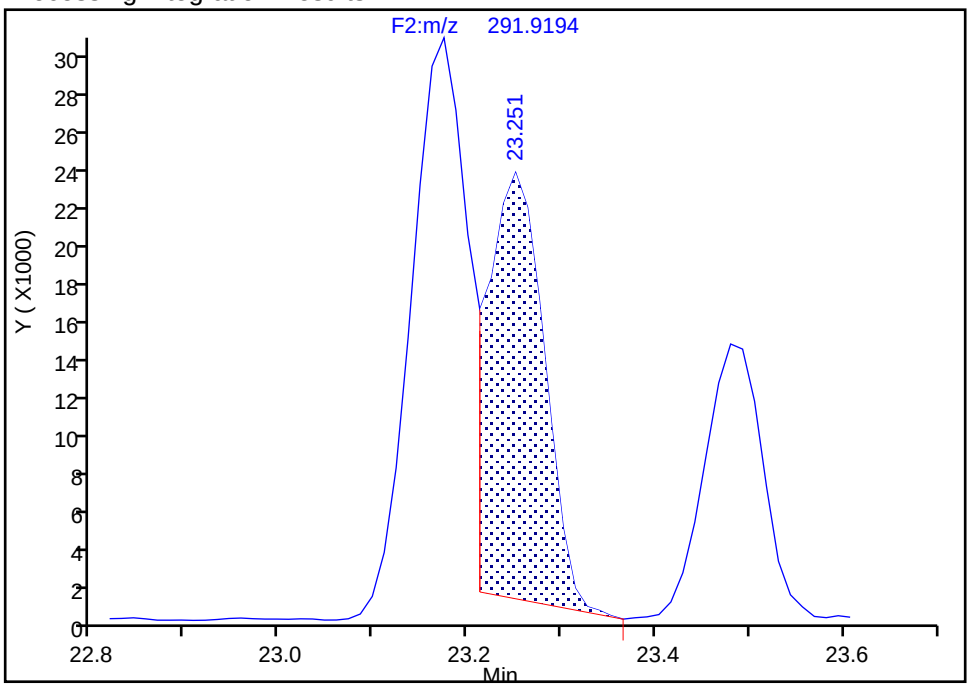
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

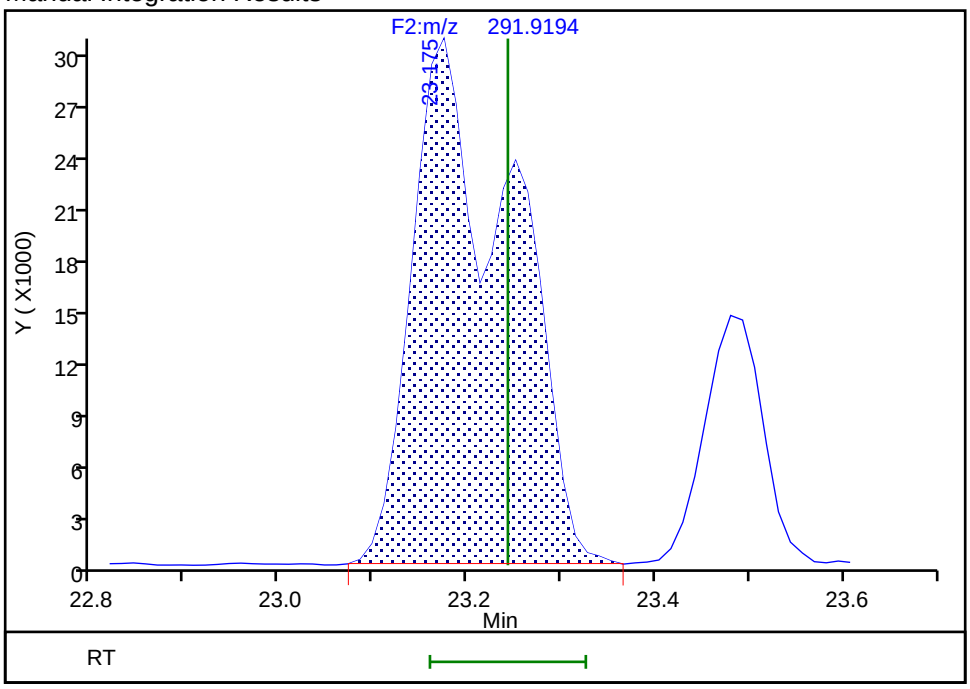
Processing Integration Results

RT: 23.25
Area: 91419
Amount: 5.961038
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 224278
Amount: 14.143159
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:13:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

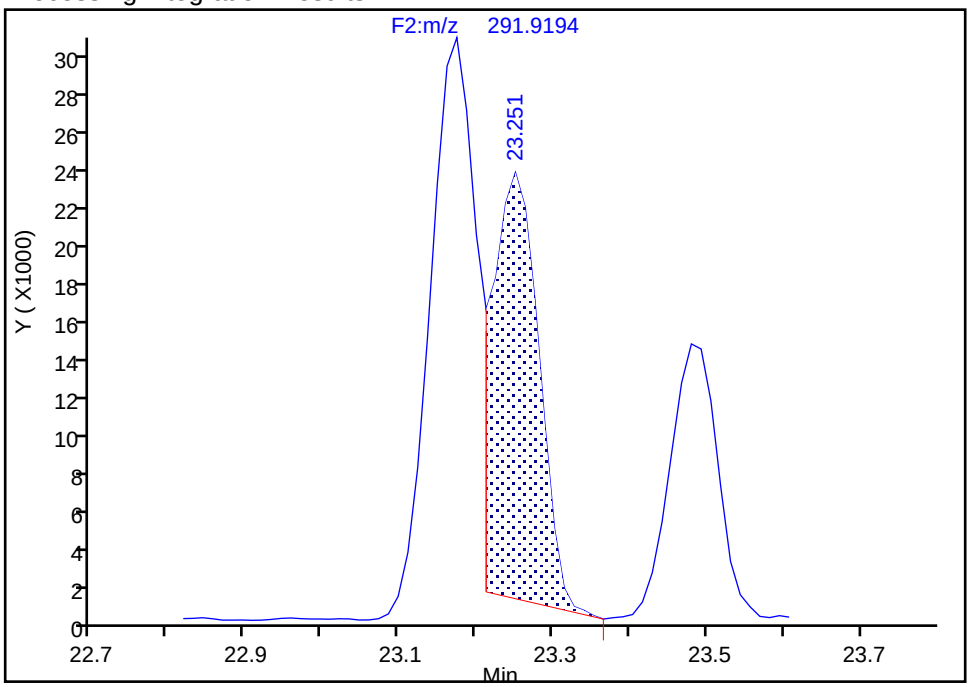
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.25
Area: 171256
Amount: 5.961038
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 406322
Amount: 14.143159
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:13:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

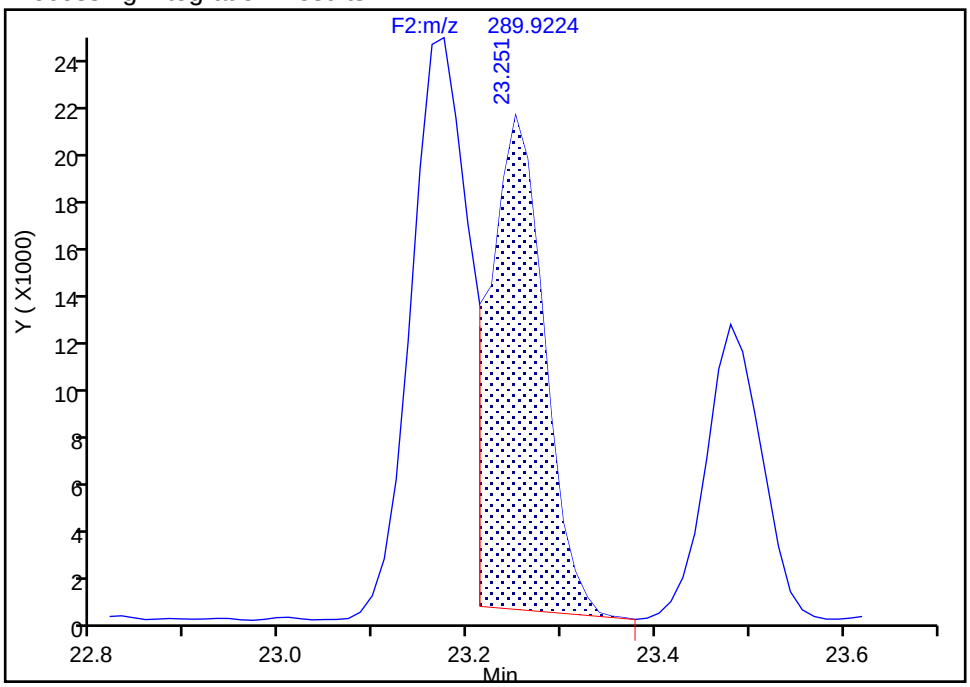
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

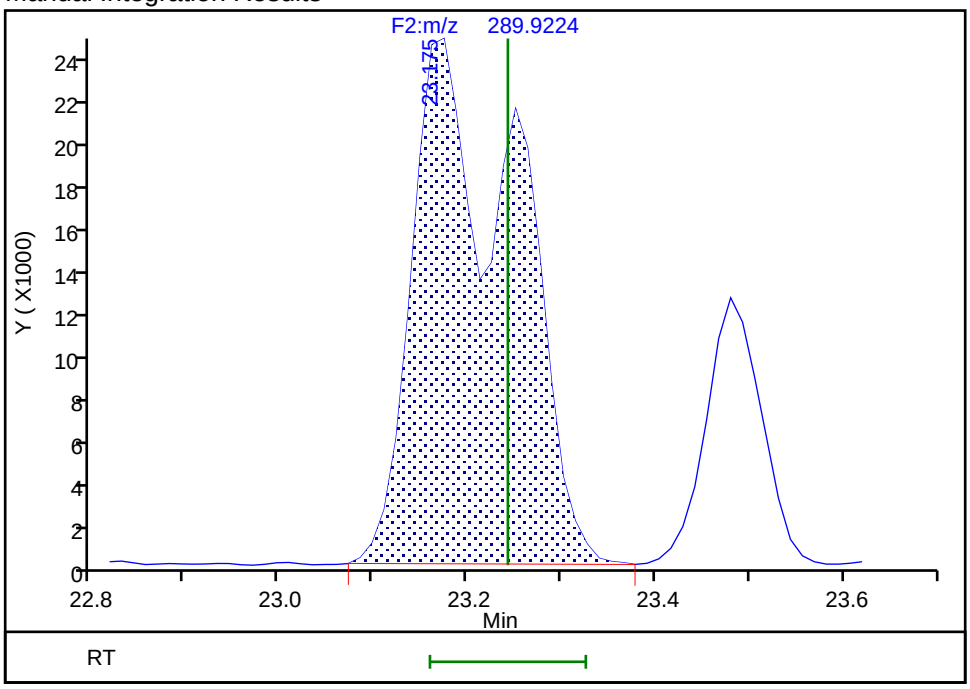
Processing Integration Results

RT: 23.25
Area: 79837
Amount: 5.961038
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 182044
Amount: 14.143159
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:13:01

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

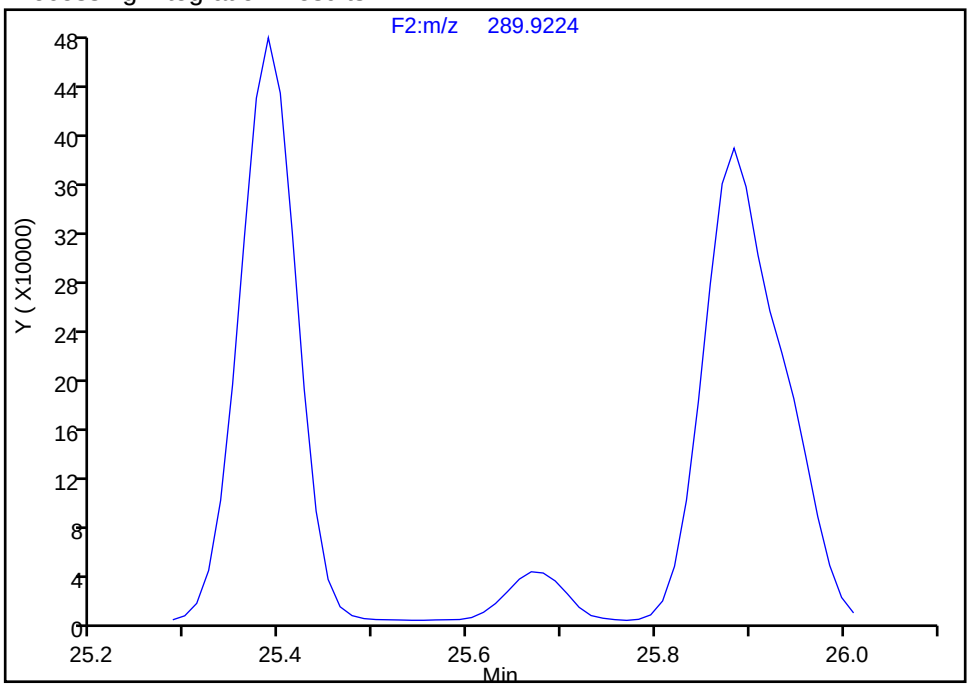
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-48, CAS: 70362-47-9

Signal: 1

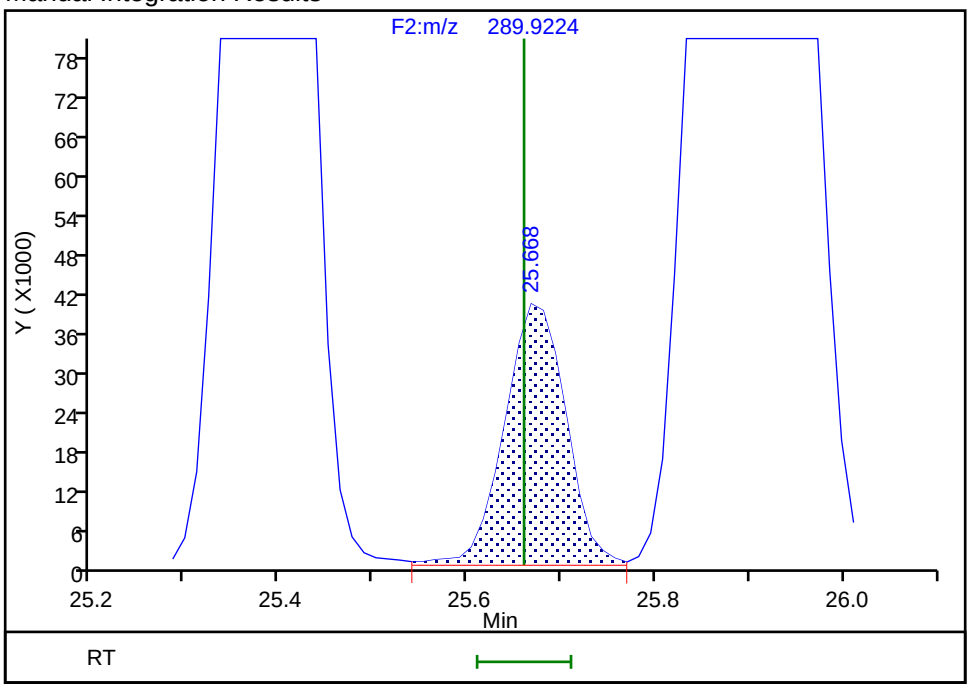
Not Detected
Expected RT: 25.66

Processing Integration Results




Manual Integration Results

RT: 25.67
Area: 180926
Amount: 13.082407
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:13:20
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

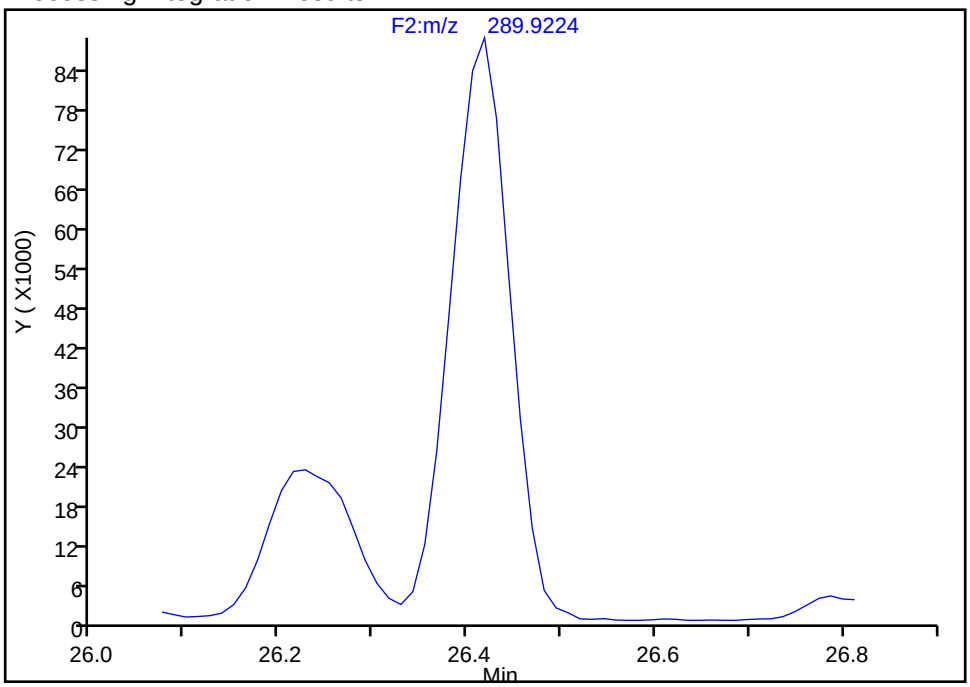
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-42, CAS: 36559-22-5

Signal: 1

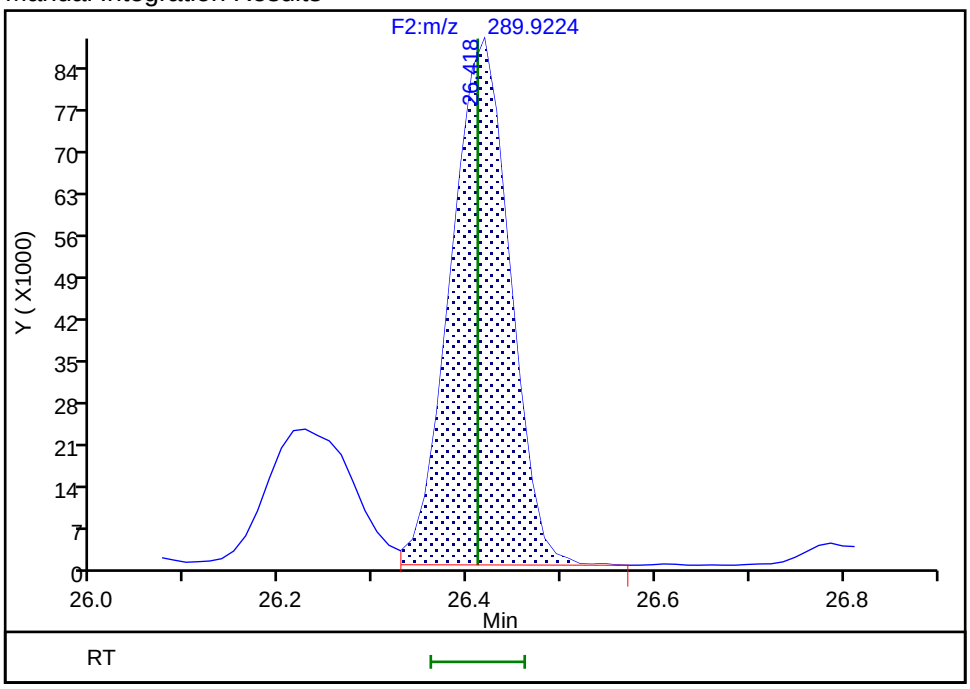
Not Detected
Expected RT: 26.41

Processing Integration Results




Manual Integration Results

RT: 26.42
Area: 384786
Amount: 30.535899
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:13:26
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

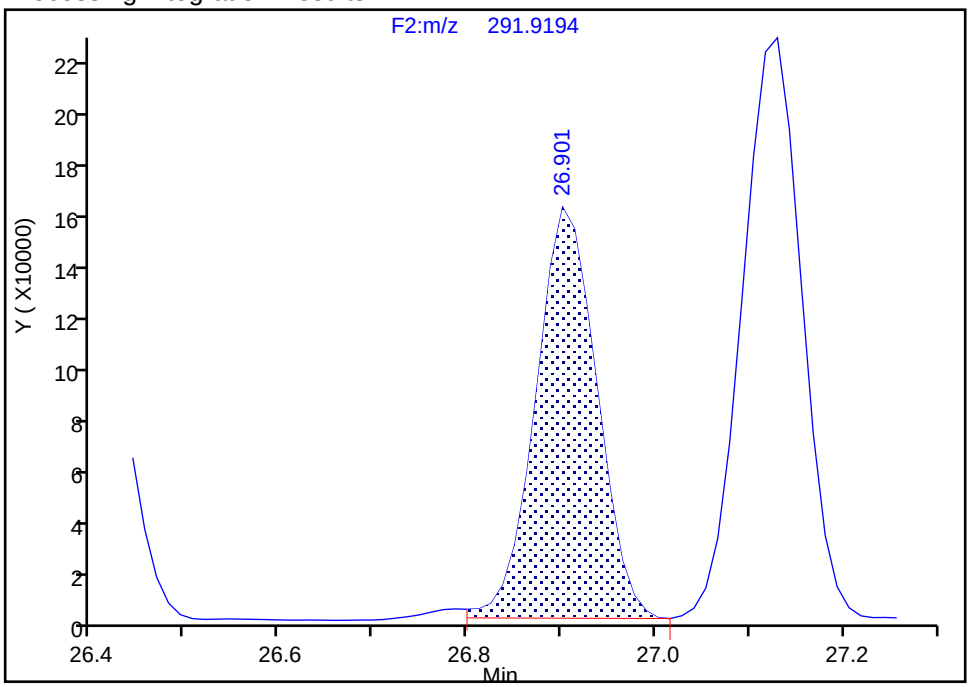
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

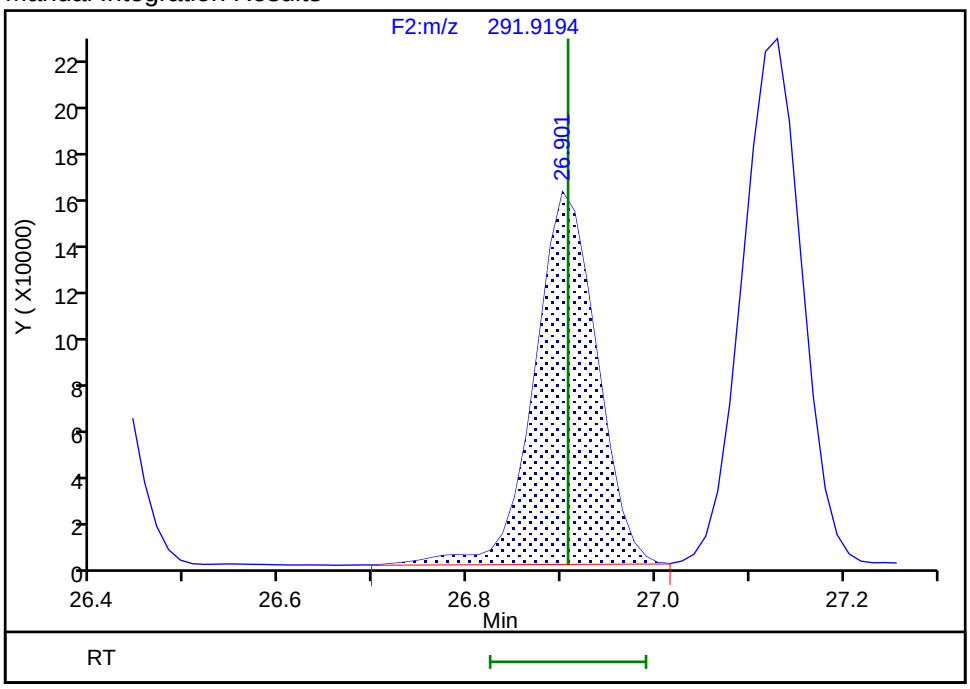
Processing Integration Results

RT: 26.90
Area: 724250
Amount: 43.845651
Amount Units: pg/ul




Manual Integration Results

RT: 26.90
Area: 744316
Amount: 44.982204
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:13:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

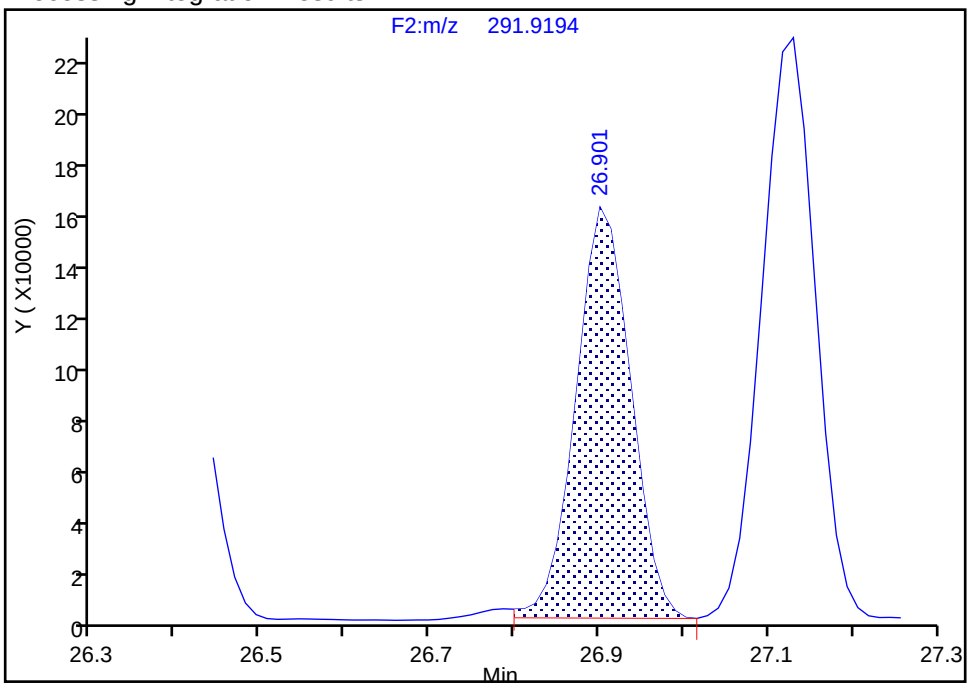
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.90
Area: 1306435
Amount: 43.845651
Amount Units: pg/ul




Manual Integration Results

RT: 26.90
Area: 1340300
Amount: 44.982204
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:13:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

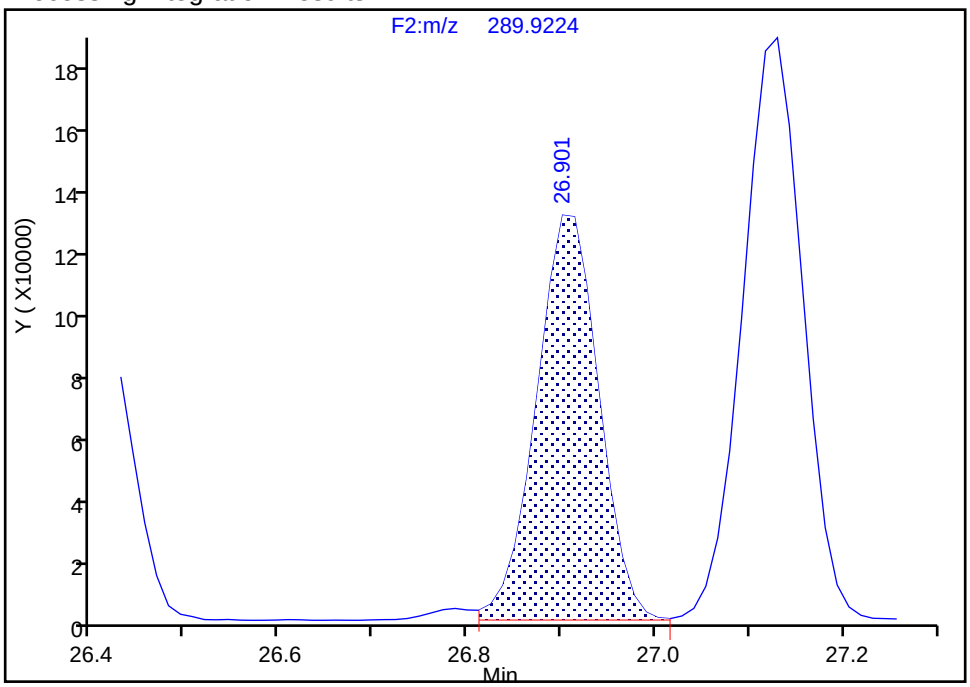
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

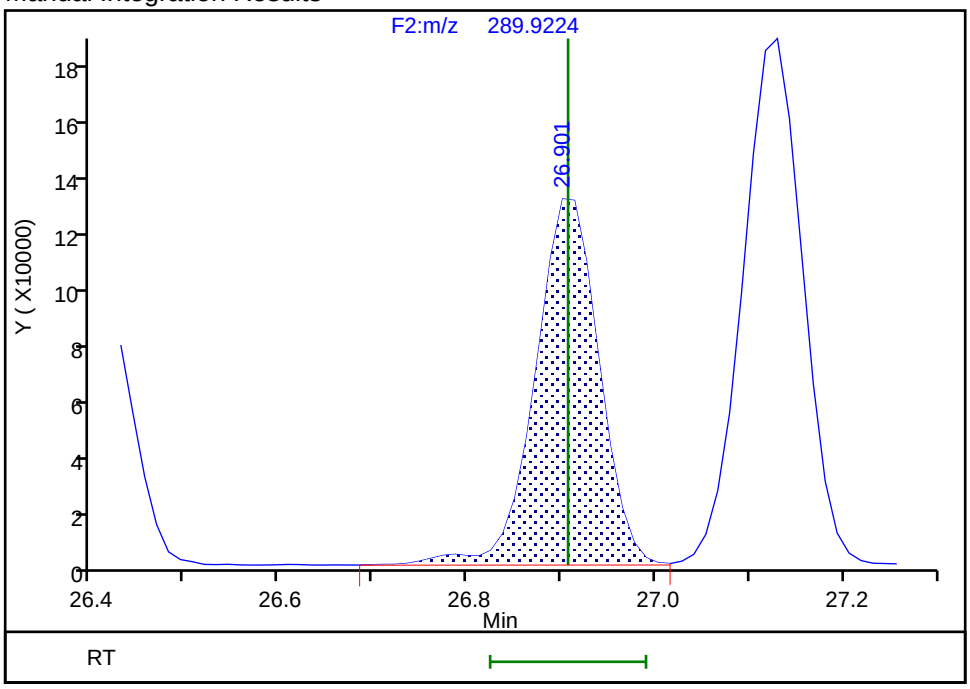
Processing Integration Results

RT: 26.90
Area: 582185
Amount: 43.845651
Amount Units: pg/ul




Manual Integration Results

RT: 26.90
Area: 595984
Amount: 44.982204
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:13:46

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

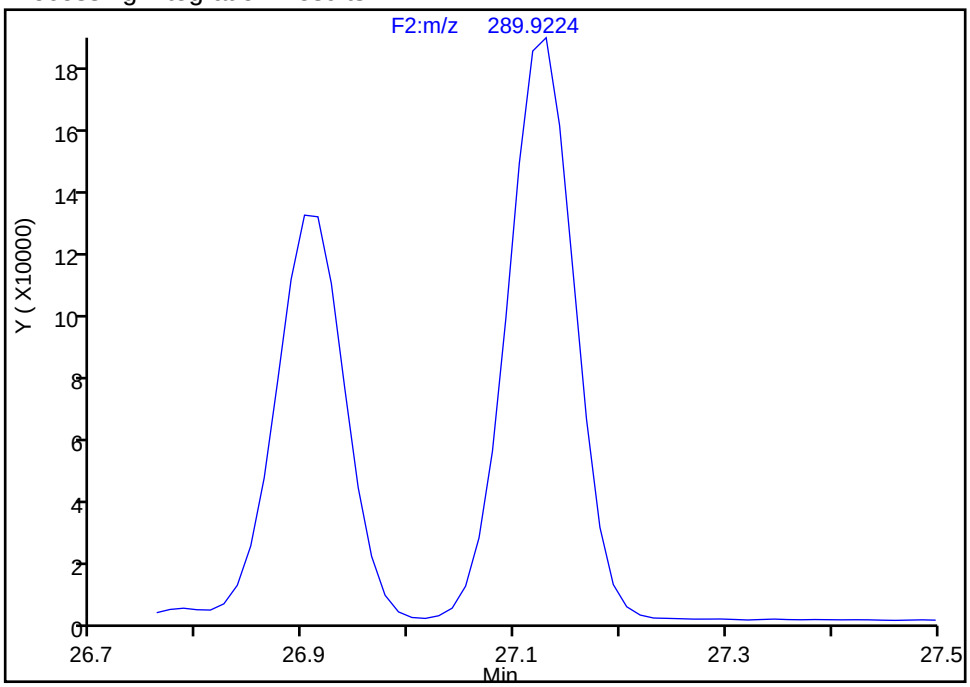
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

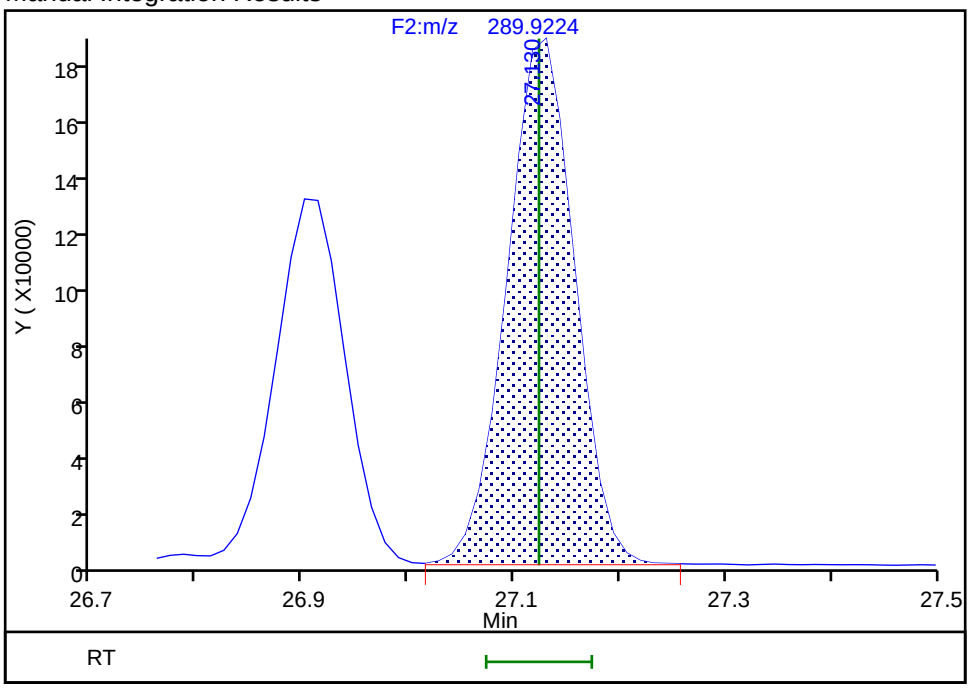
Not Detected
Expected RT: 27.12

Processing Integration Results




Manual Integration Results

RT: 27.13
Area: 806442
Amount: 39.448648
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:13:52
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

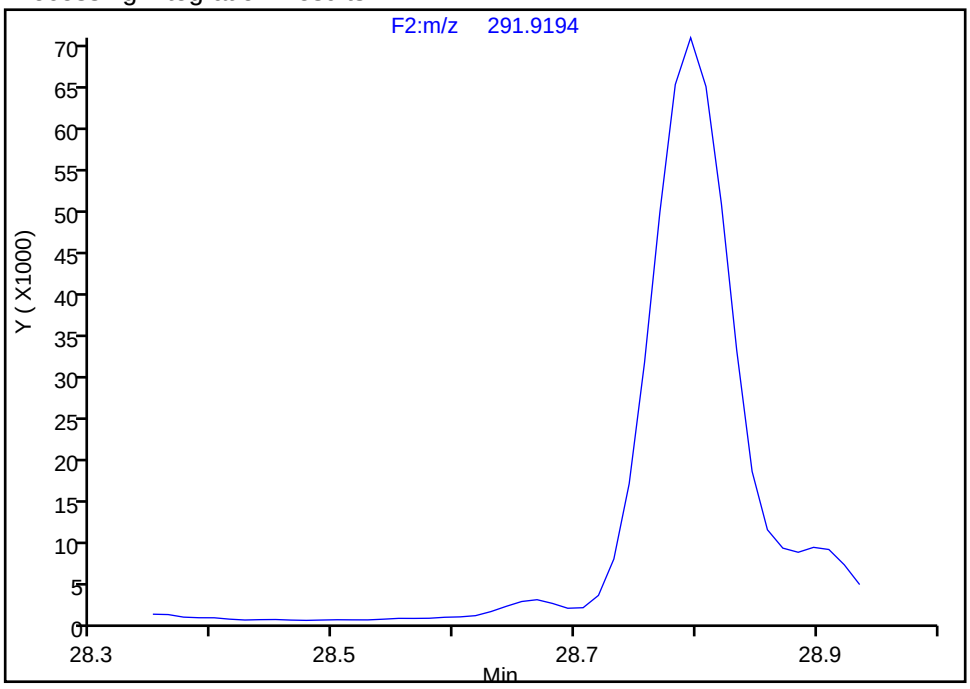
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 2

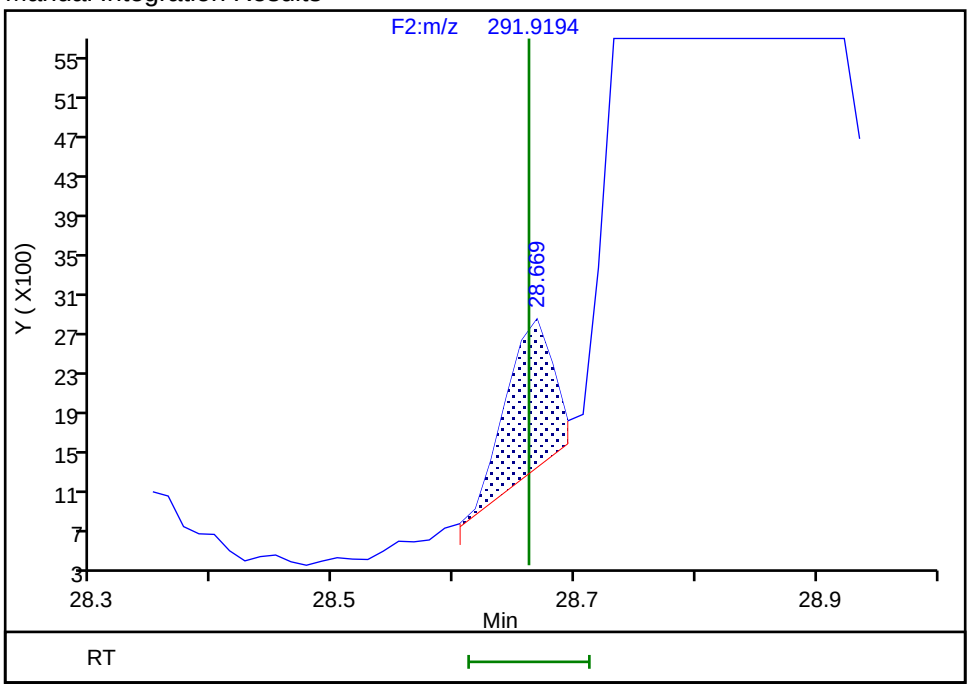
Not Detected
Expected RT: 28.66

Processing Integration Results




Manual Integration Results

RT: 28.67
Area: 4116
Amount: 0.251047
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:16:15
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

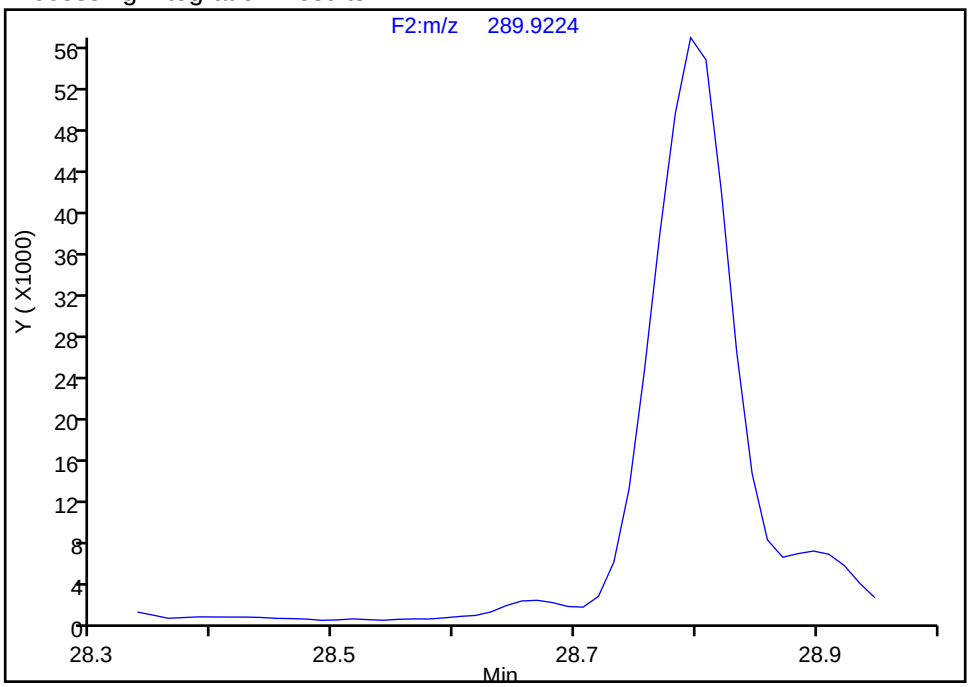
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-57, CAS: 70424-67-8

Signal: 1

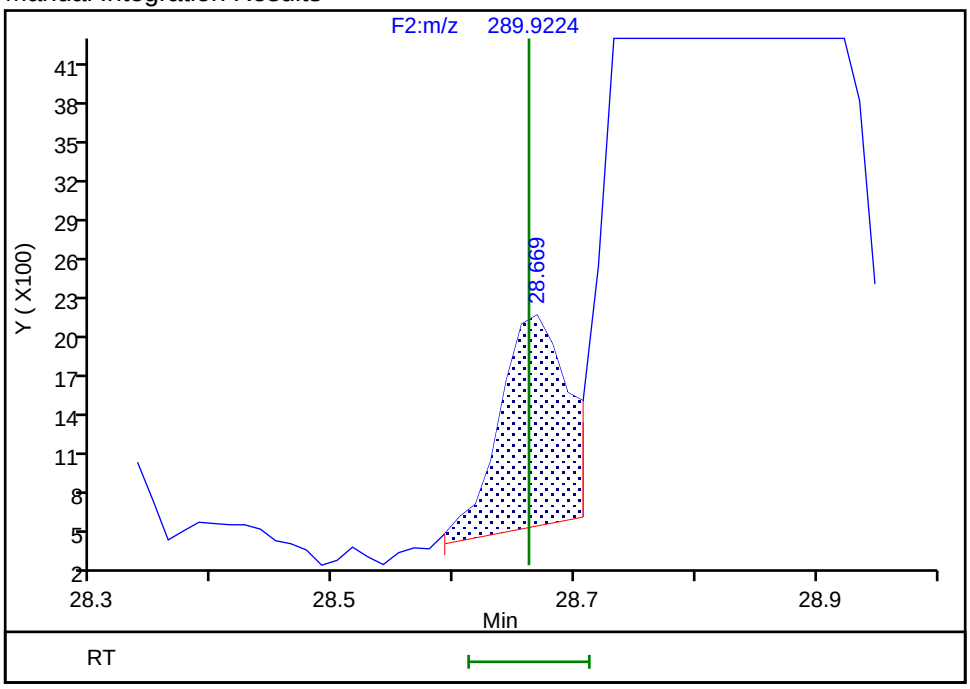
Not Detected
Expected RT: 28.66

Processing Integration Results




Manual Integration Results

RT: 28.67
Area: 6329
Amount: 0.251047
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:16:23
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

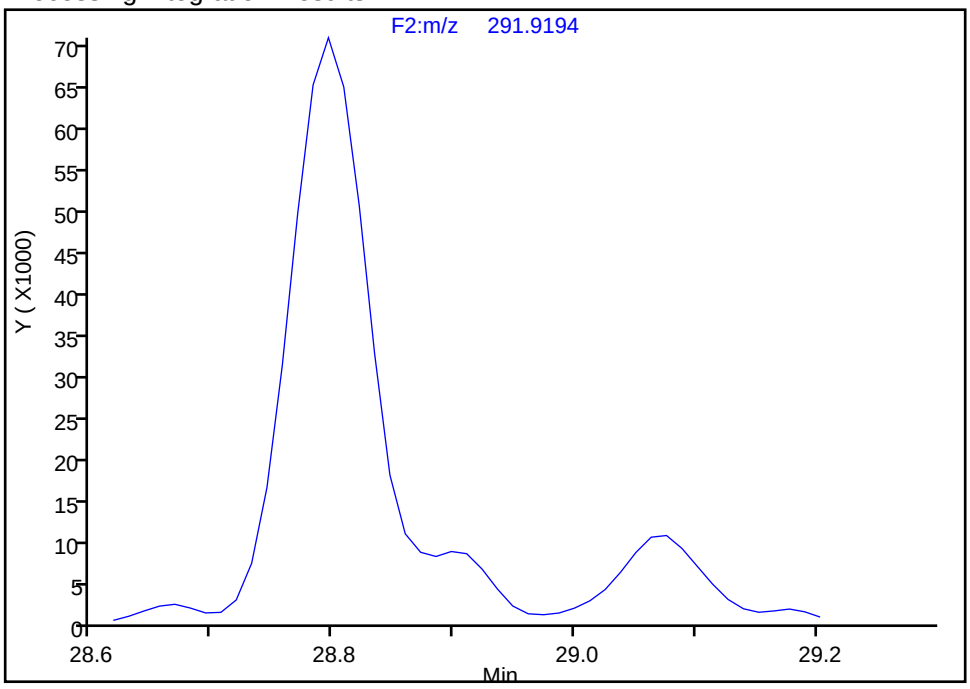
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

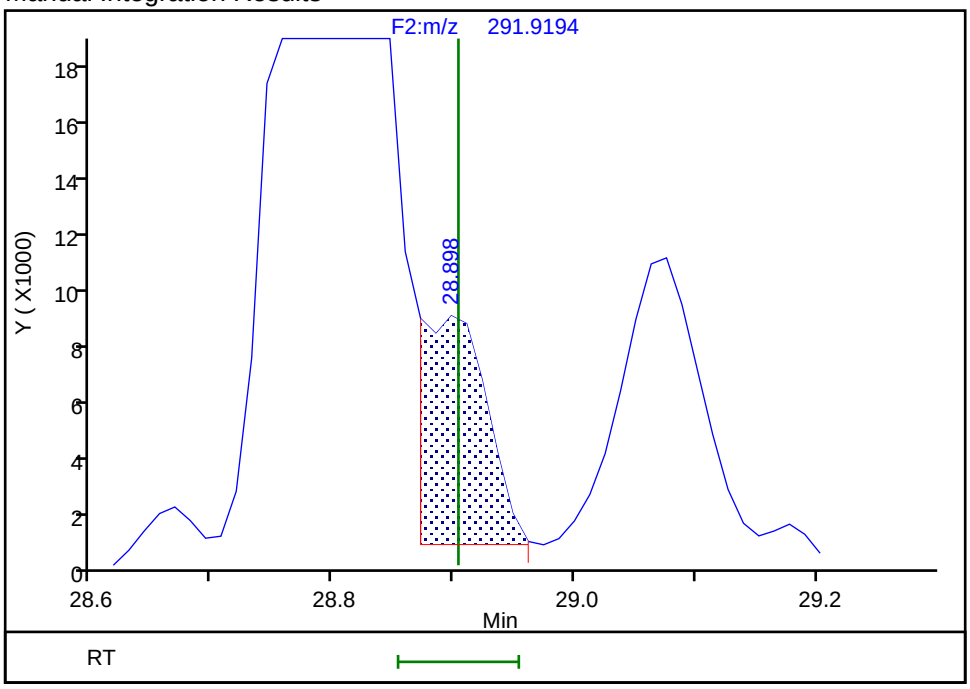
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.90
Area: 26721
Amount: 1.205317
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:14:18
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

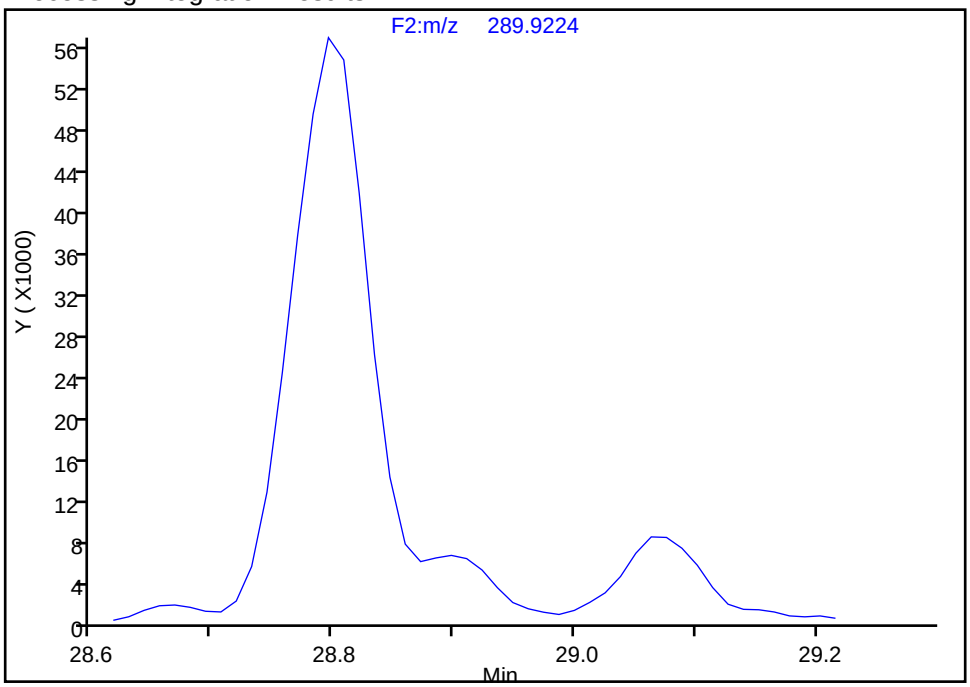
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

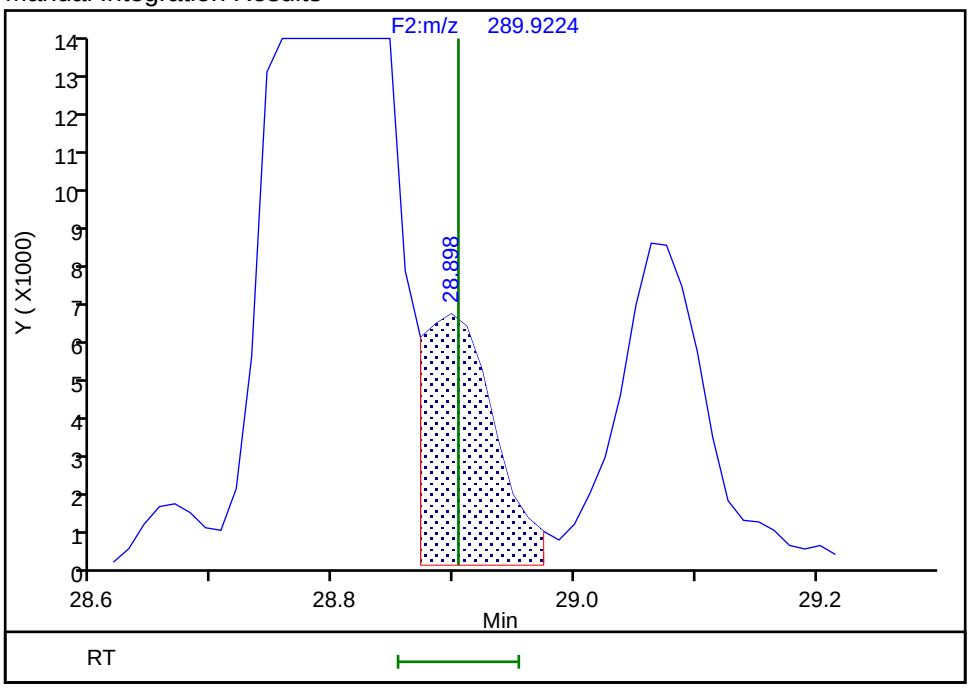
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.90
Area: 24979
Amount: 1.205317
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:14:21
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

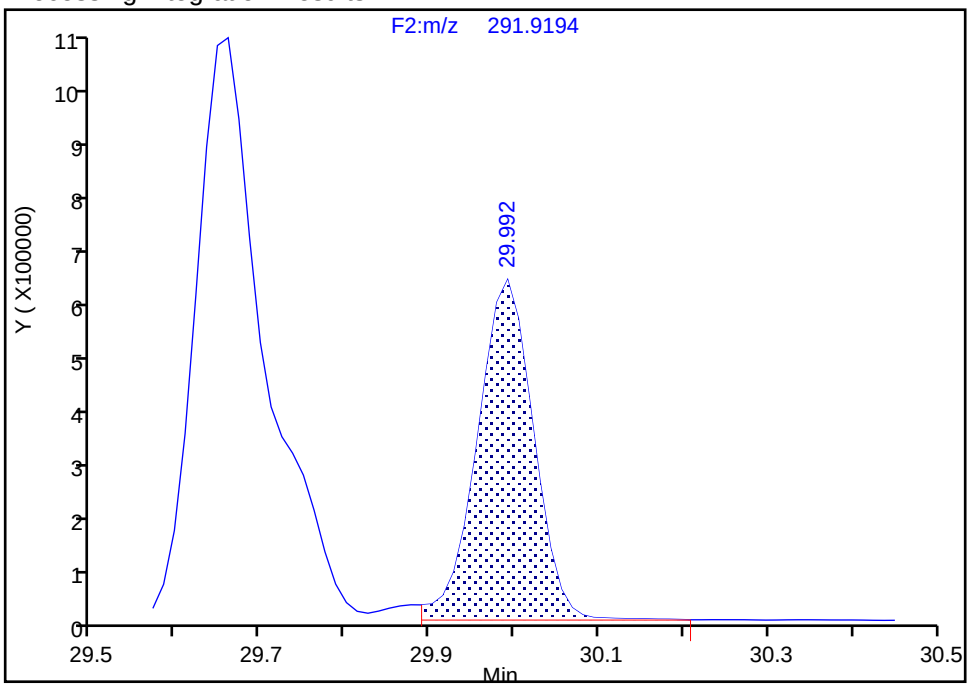
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

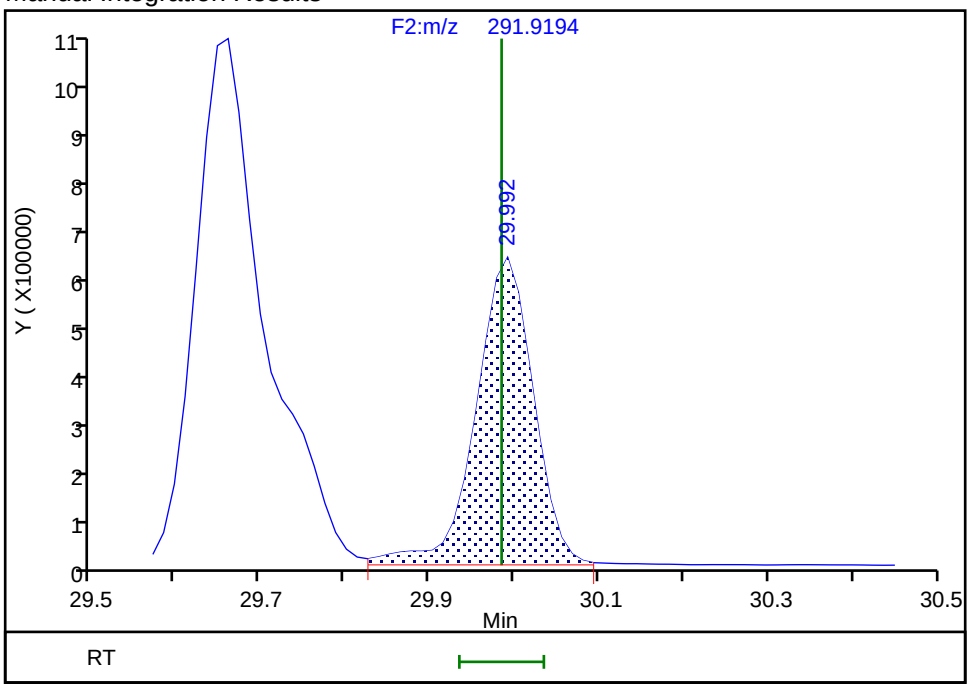
Processing Integration Results

RT: 29.99
Area: 2770767
Amount: 120.4482
Amount Units: pg/ul




Manual Integration Results

RT: 29.99
Area: 2835334
Amount: 123.2985
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:17:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

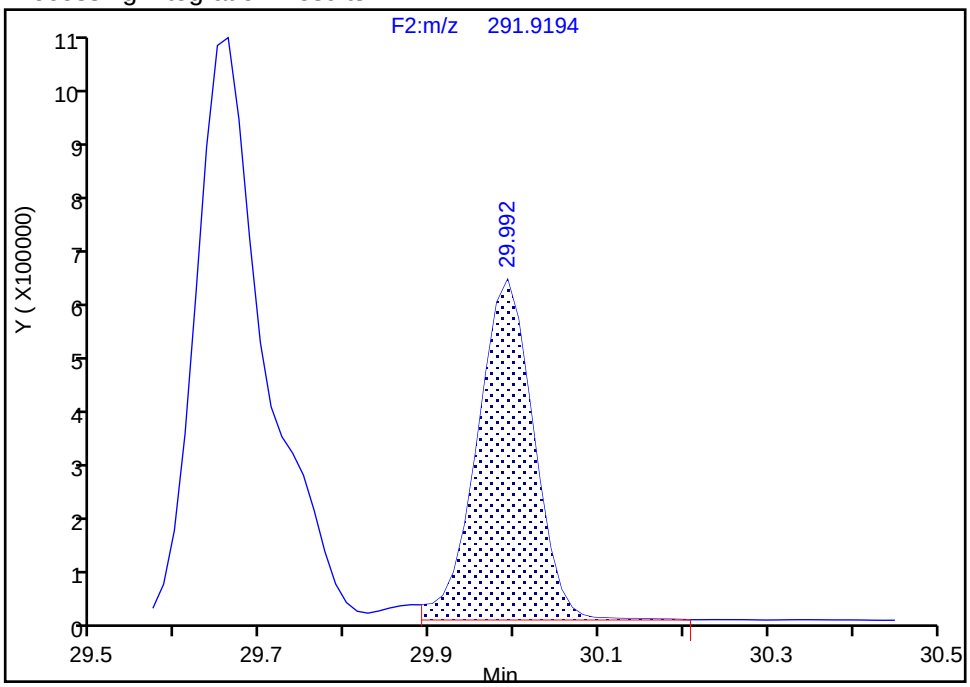
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 29.99
Area: 5004637
Amount: 120.4482
Amount Units: pg/ul




Manual Integration Results

RT: 29.99
Area: 5123065
Amount: 123.2985
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:17:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

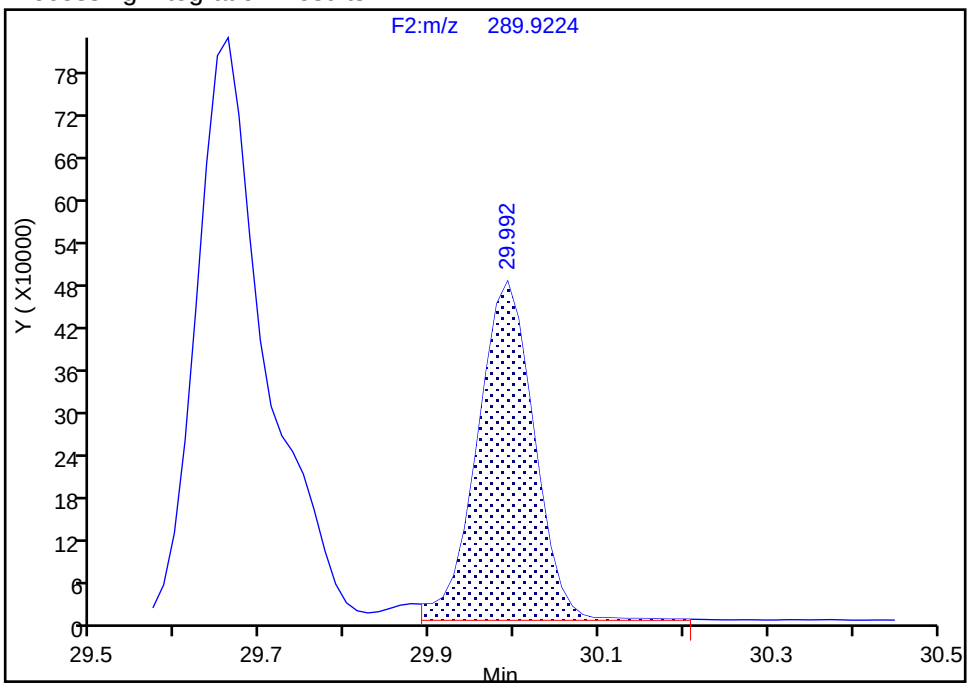
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

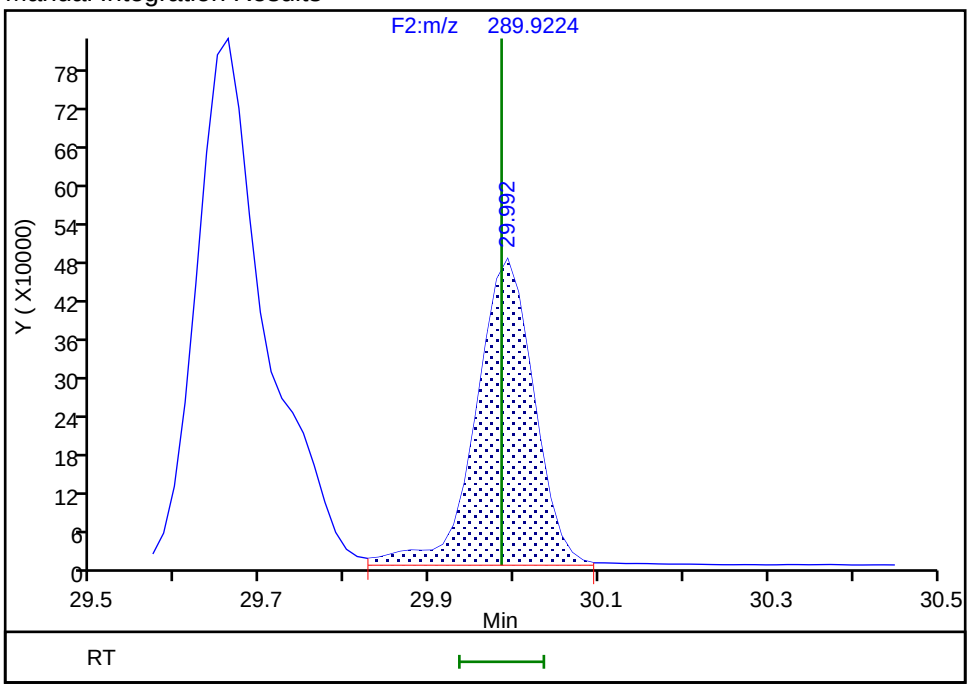
Processing Integration Results

RT: 29.99
Area: 2233870
Amount: 120.4482
Amount Units: pg/ul




Manual Integration Results

RT: 29.99
Area: 2287731
Amount: 123.2985
Amount Units: pg/ul



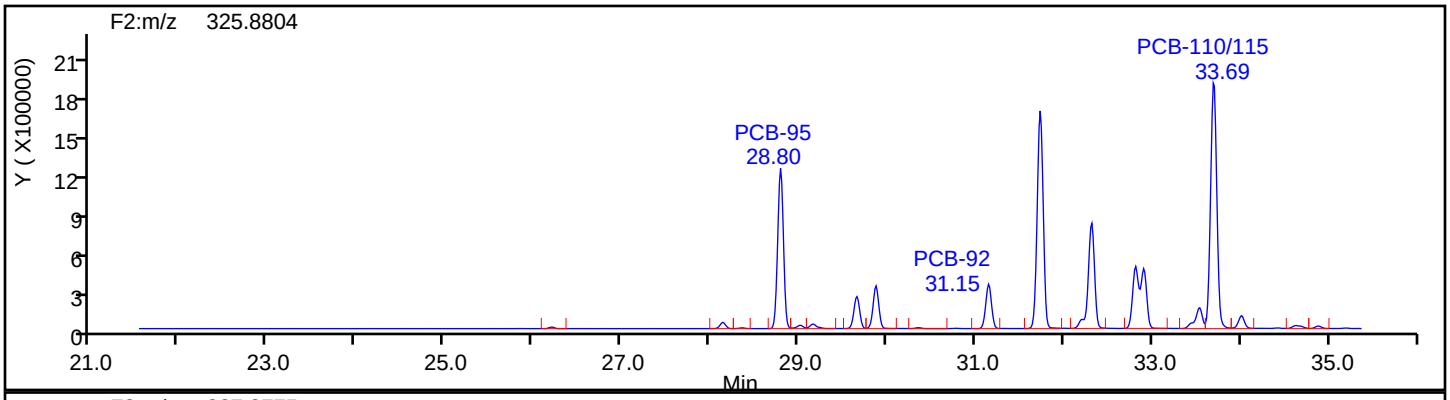

Reviewer: mcwhirterl, 03-Oct-2019 20:17:07

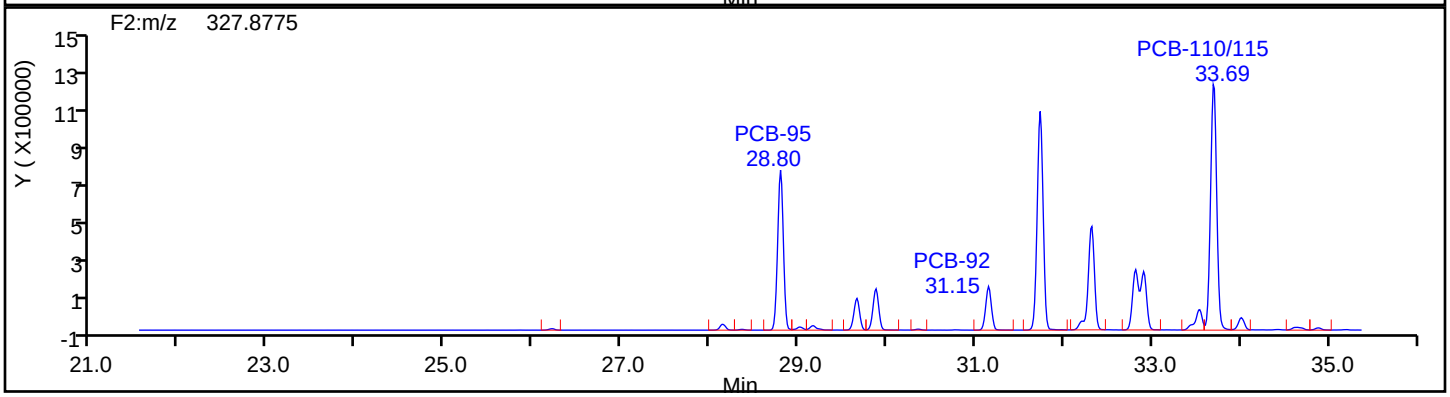
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

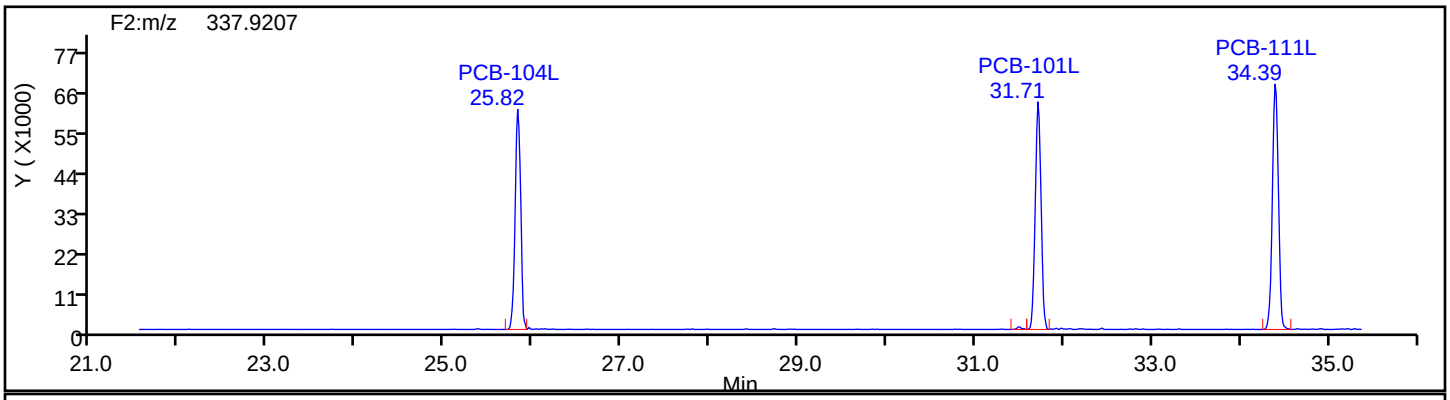
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

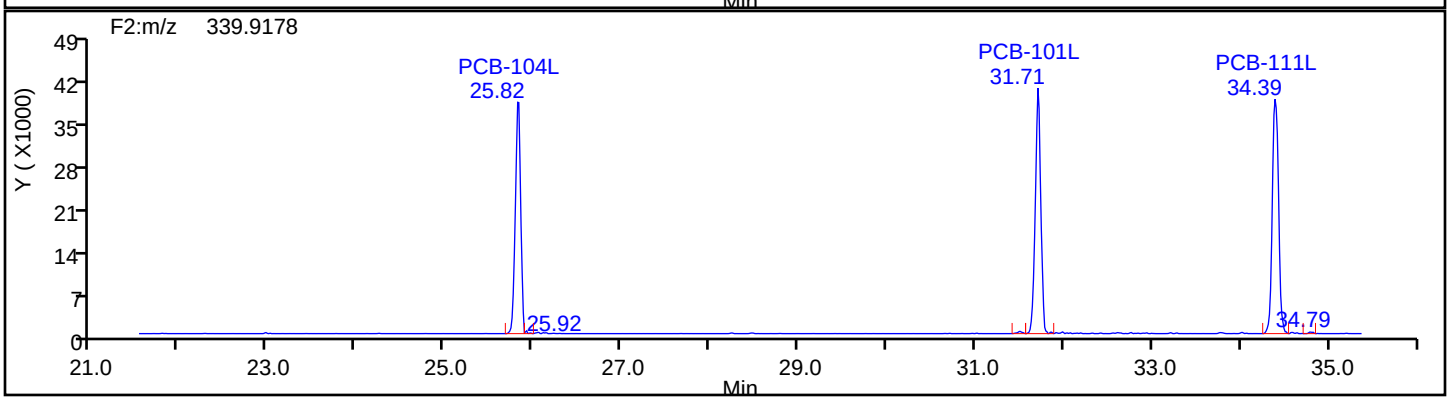
PePCB F2




PePCB F2 Standards

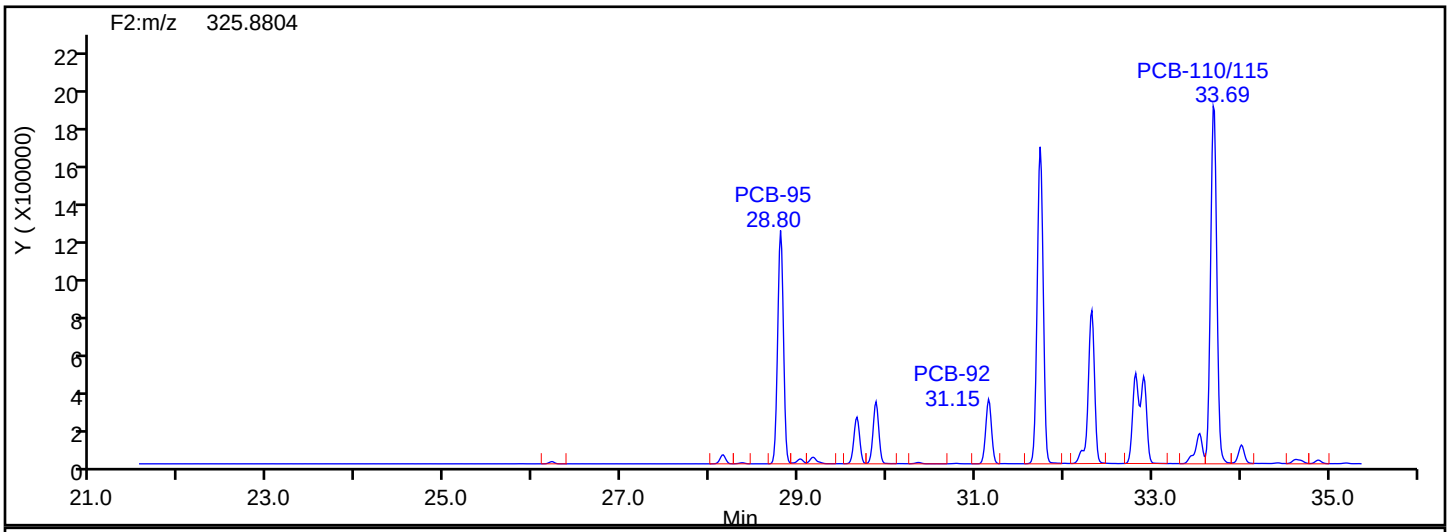


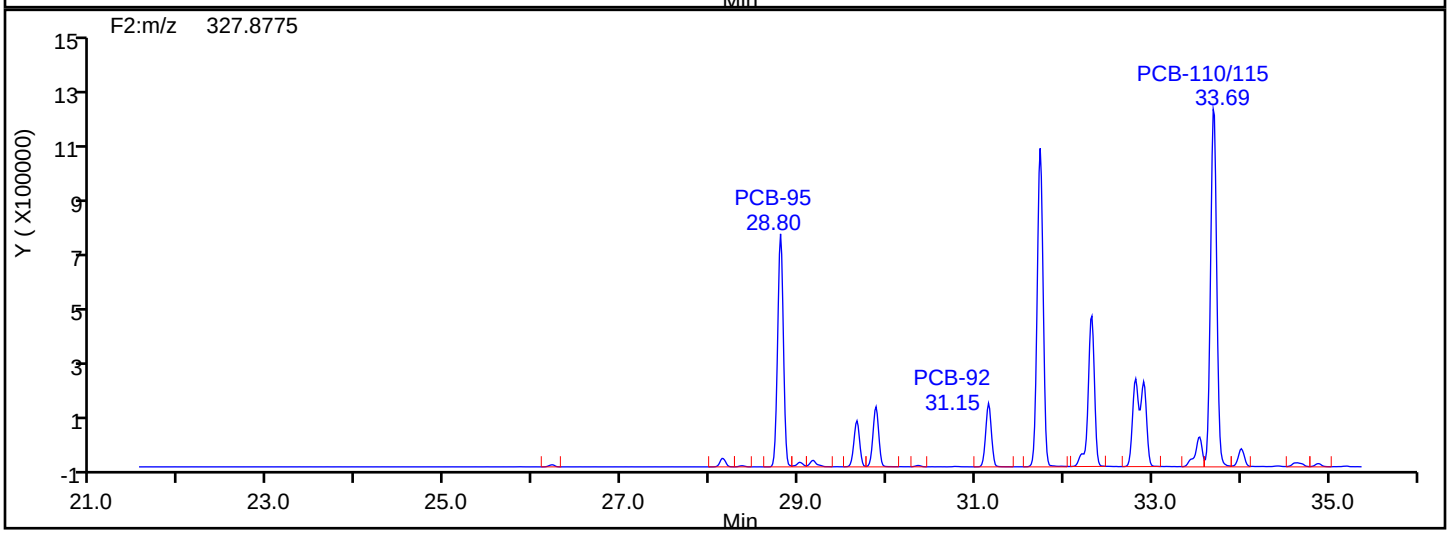



Eurofins TestAmerica, Knoxville

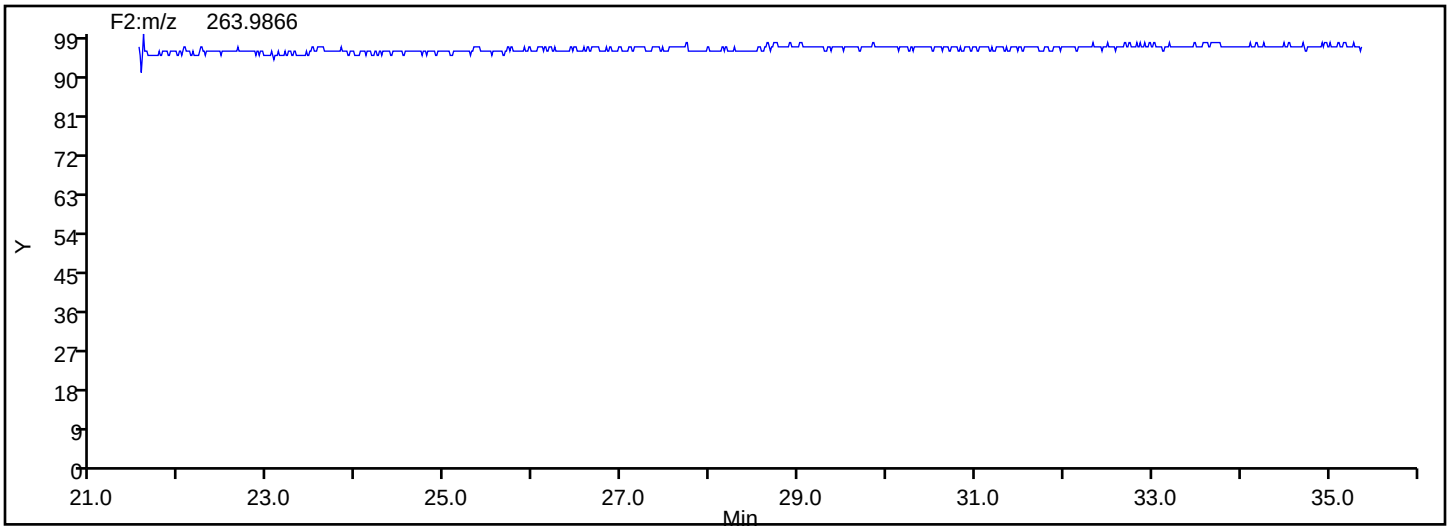
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

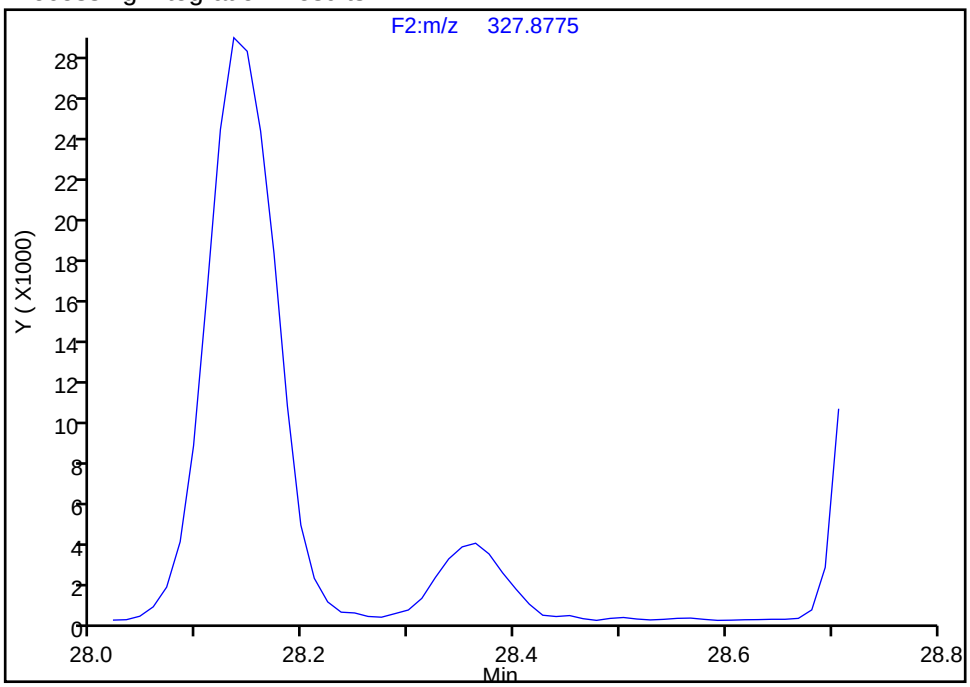
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 2

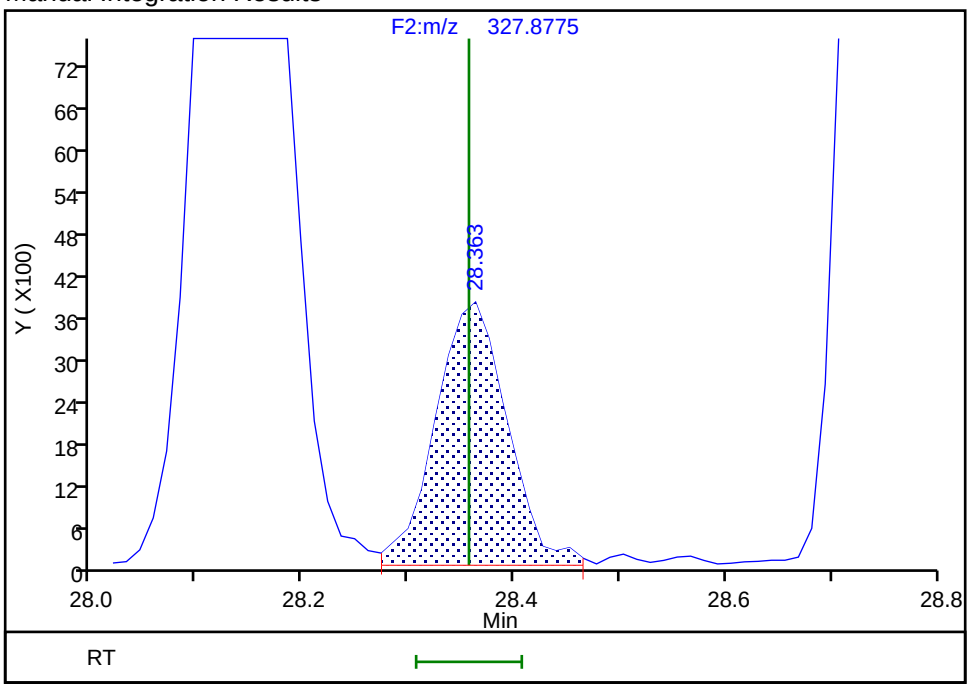
Not Detected
Expected RT: 28.36

Processing Integration Results




Manual Integration Results

RT: 28.36
Area: 17825
Amount: 2.236833
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:18:20
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

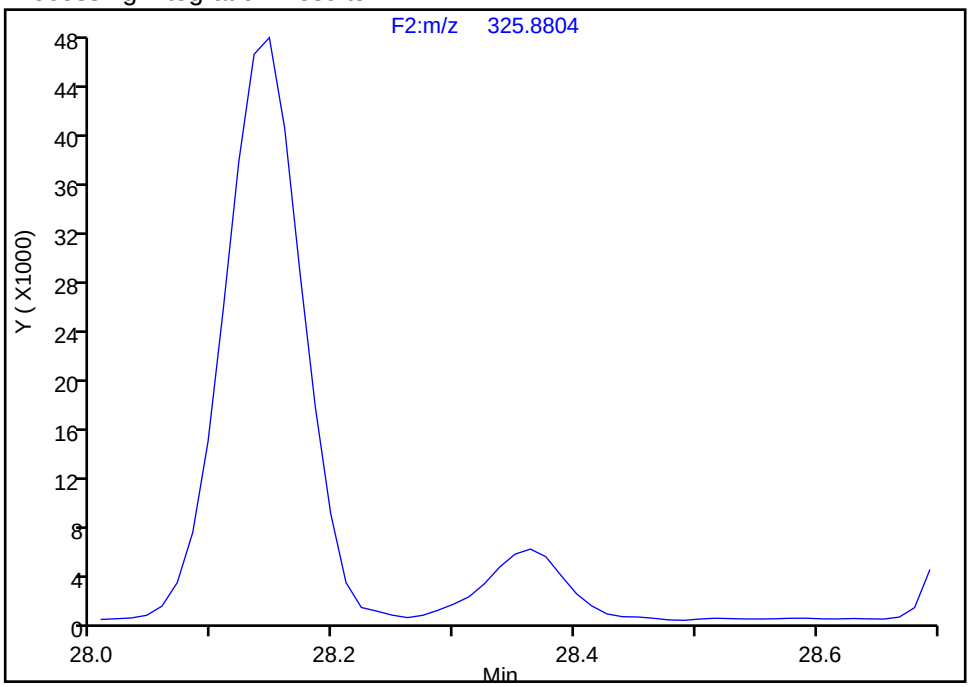
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 1

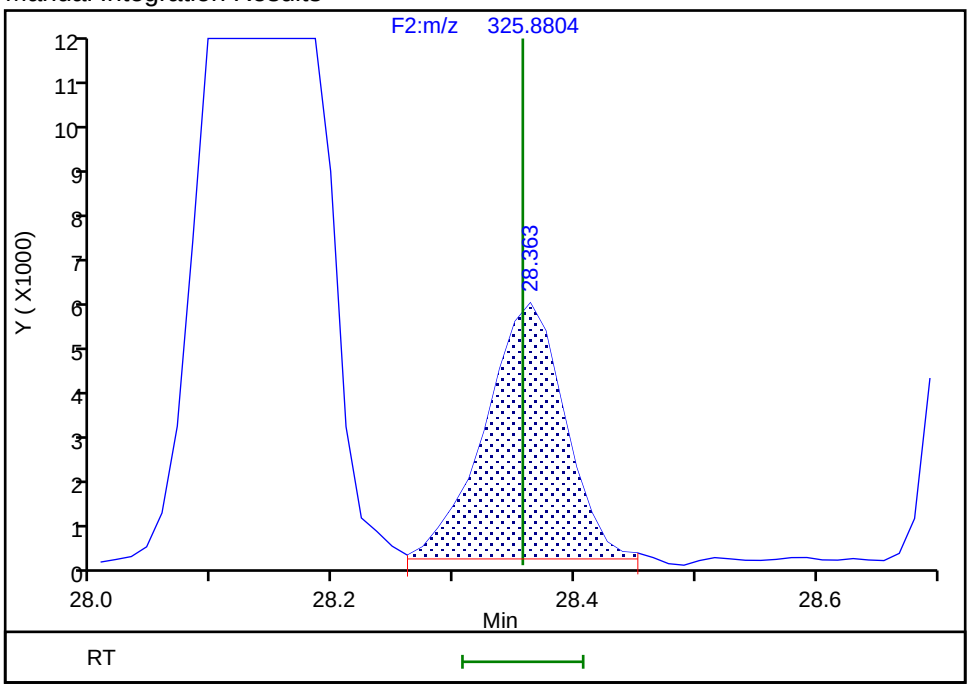
Not Detected
Expected RT: 28.36

Processing Integration Results




Manual Integration Results

RT: 28.36
Area: 25807
Amount: 2.236833
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:18:23
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

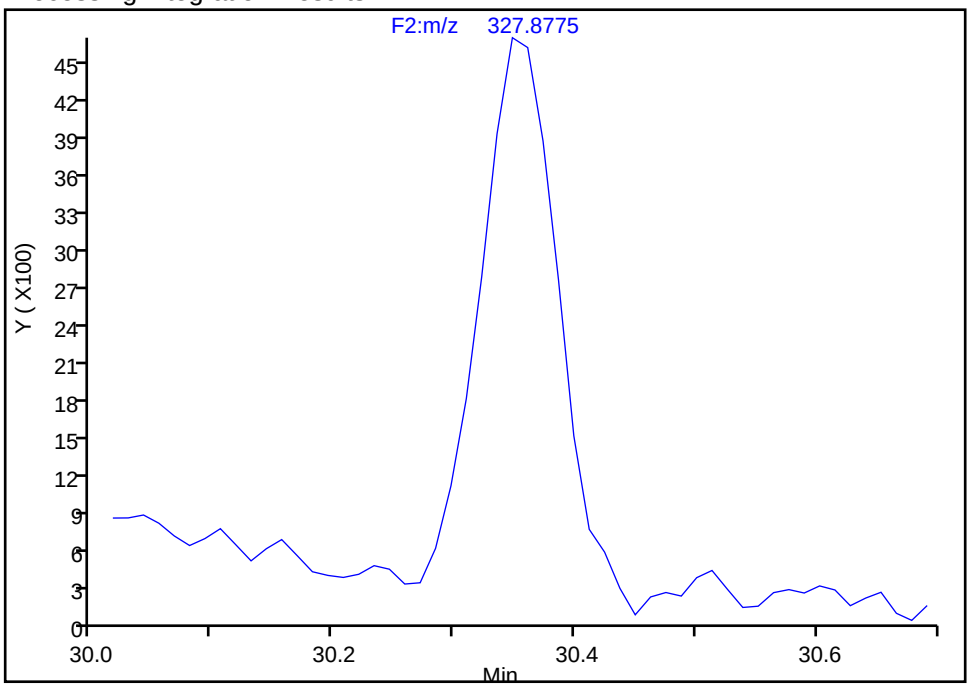
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 2

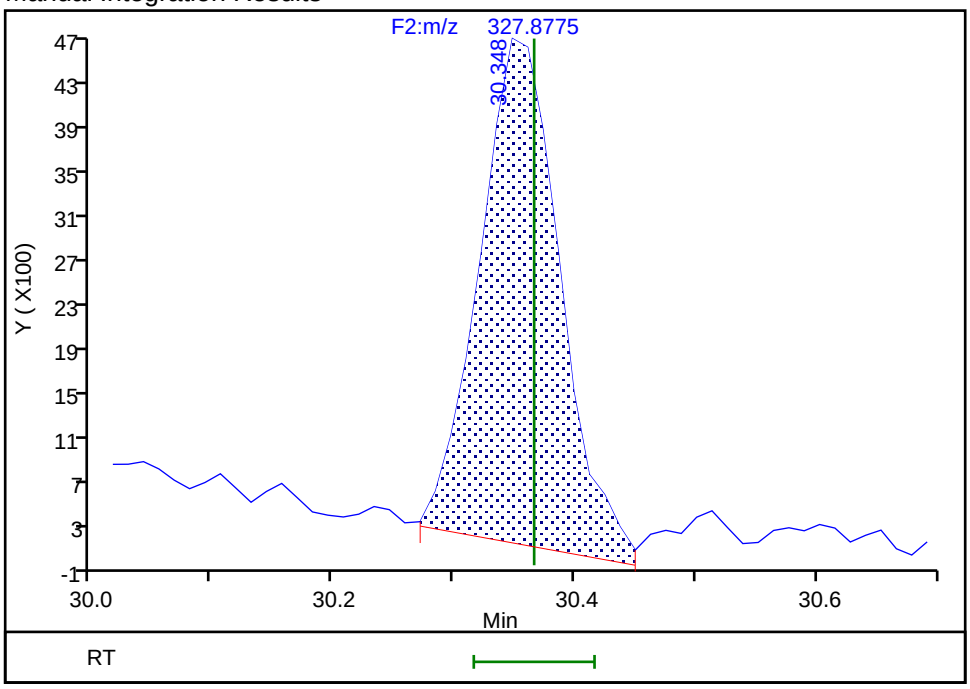
Not Detected
Expected RT: 30.37

Processing Integration Results




Manual Integration Results

RT: 30.35
Area: 20991
Amount: 3.190231
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:18:46
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

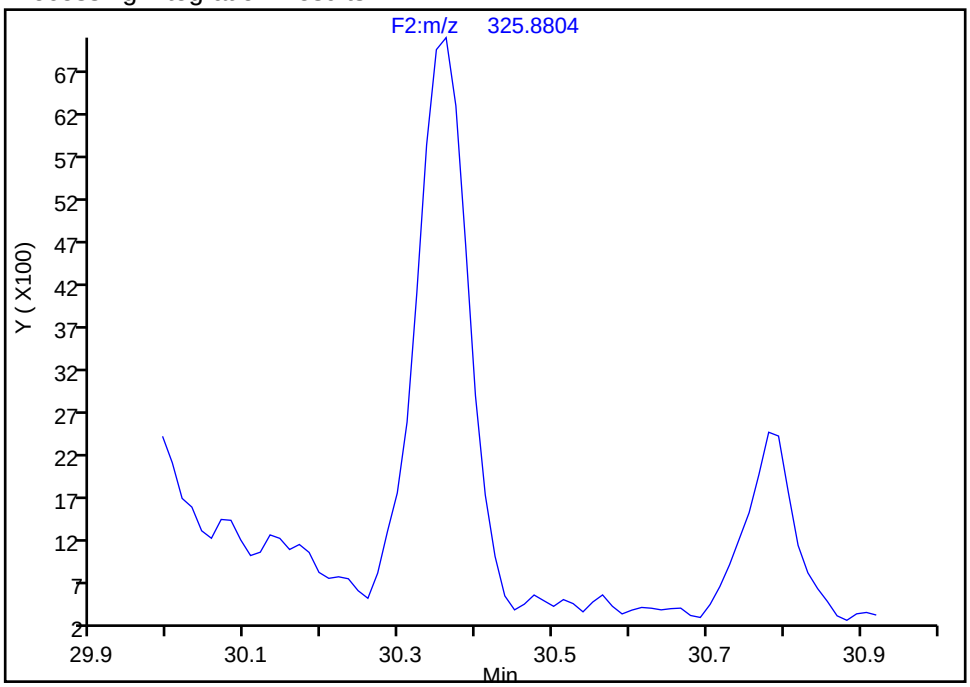
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 1

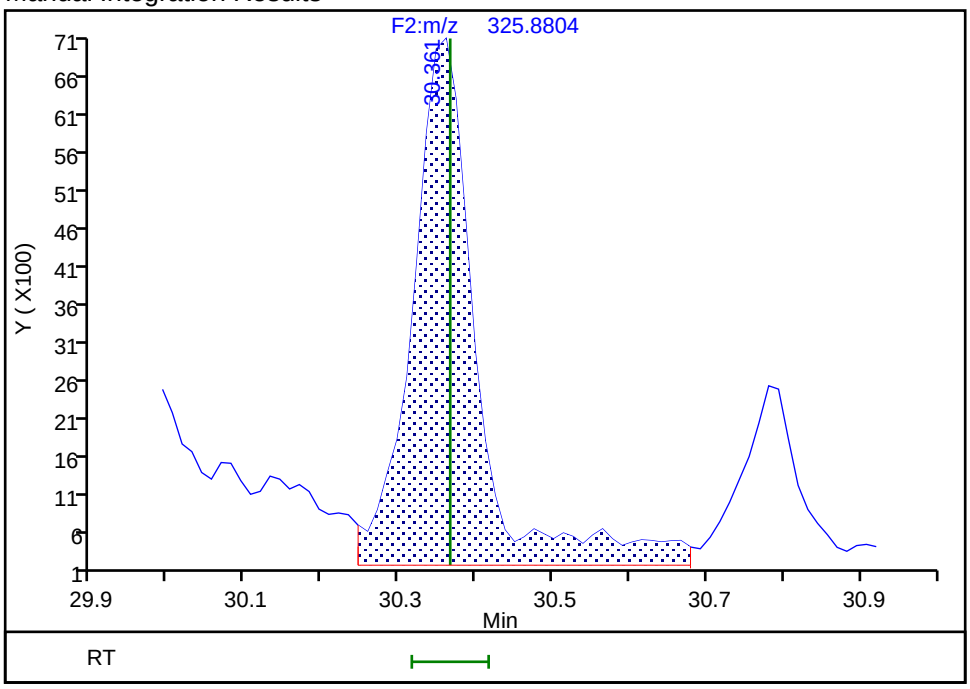
Not Detected
Expected RT: 30.37

Processing Integration Results




Manual Integration Results

RT: 30.36
Area: 40546
Amount: 3.190231
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:18:49
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

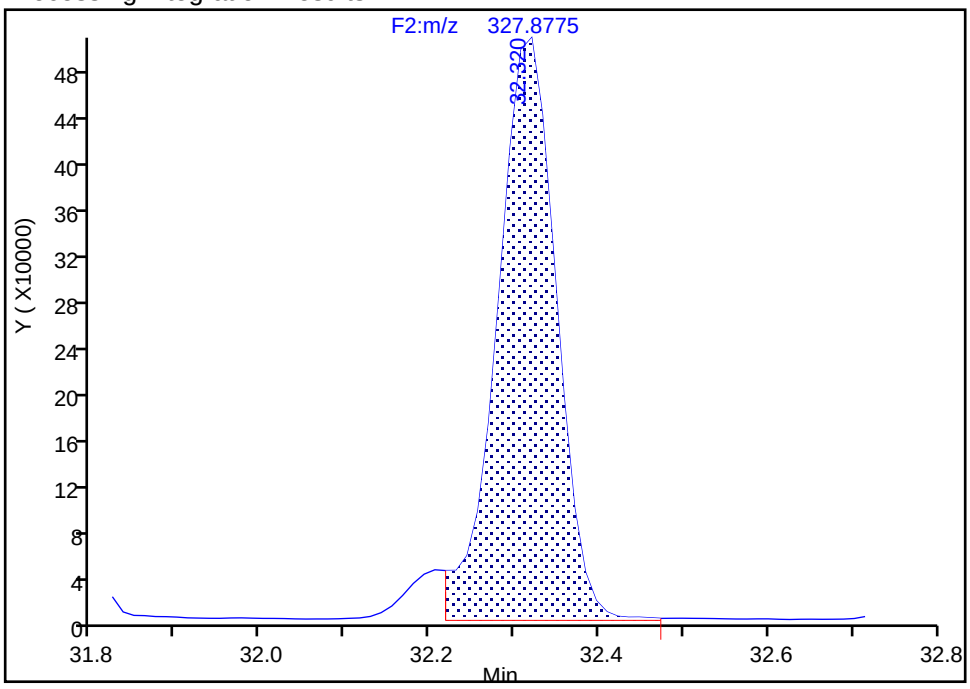
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

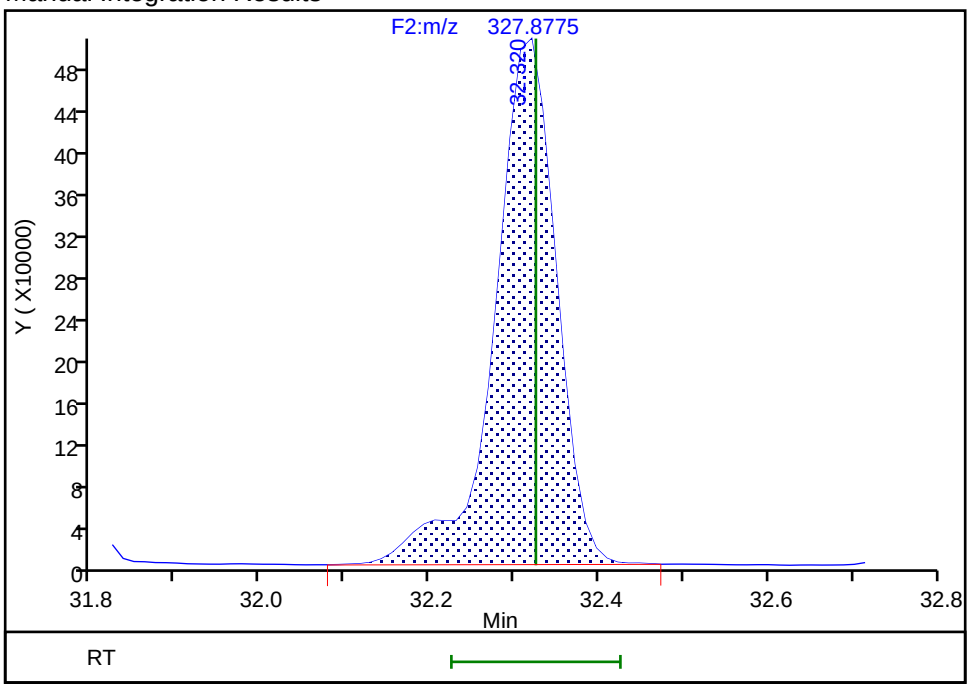
Processing Integration Results

RT: 32.32
Area: 2465144
Amount: 315.8085
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 2577395
Amount: 329.9168
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:19:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

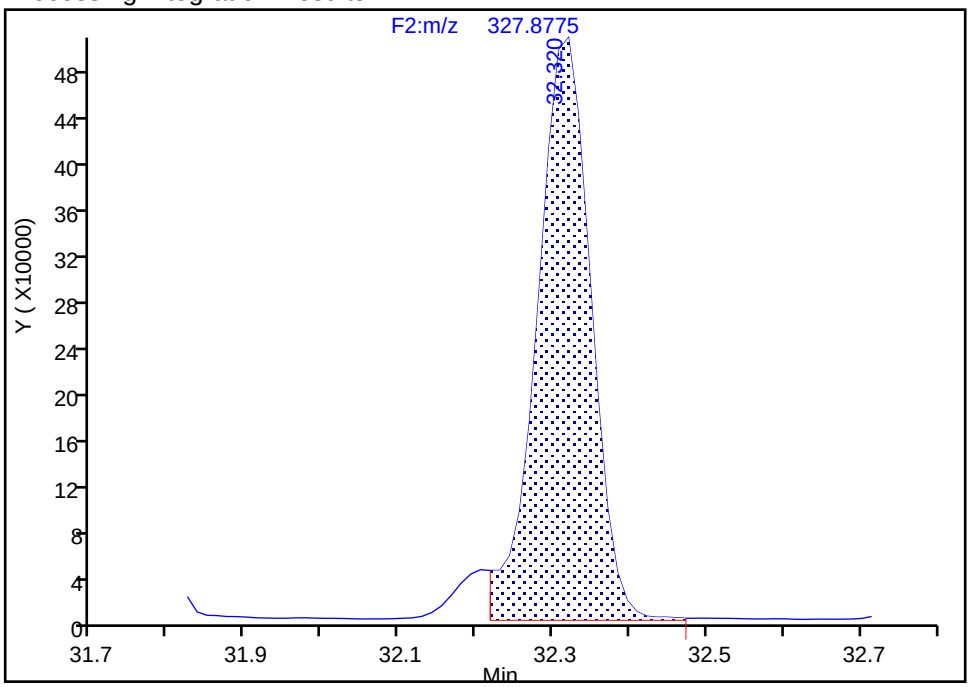
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.32
Area: 6403595
Amount: 315.8085
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 6689668
Amount: 329.9168
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:19:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

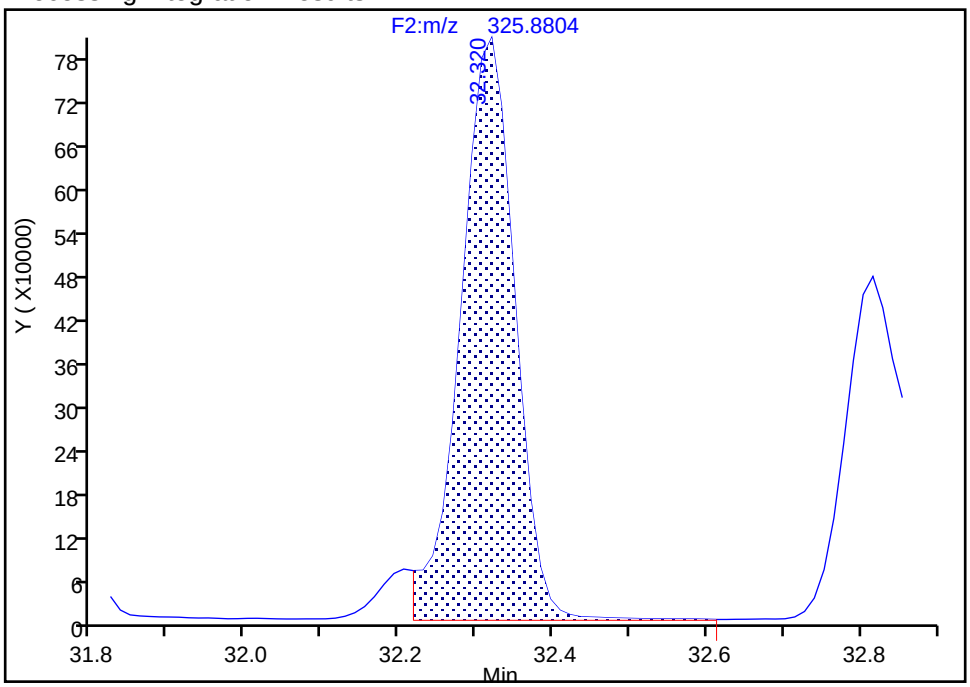
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

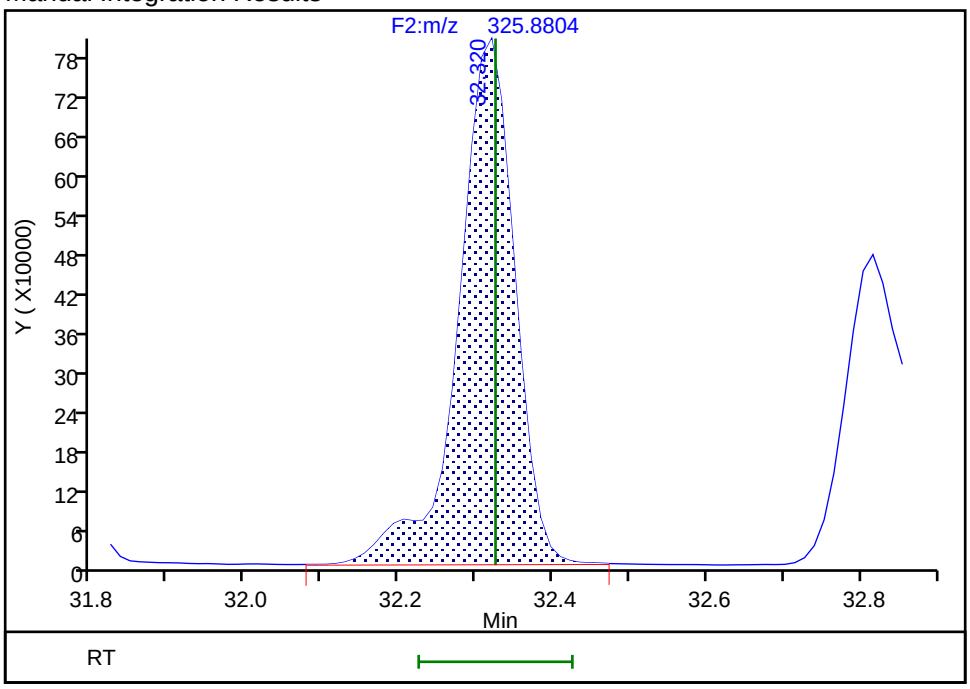
Processing Integration Results

RT: 32.32
Area: 3938451
Amount: 315.8085
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 4112273
Amount: 329.9168
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:19:17

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

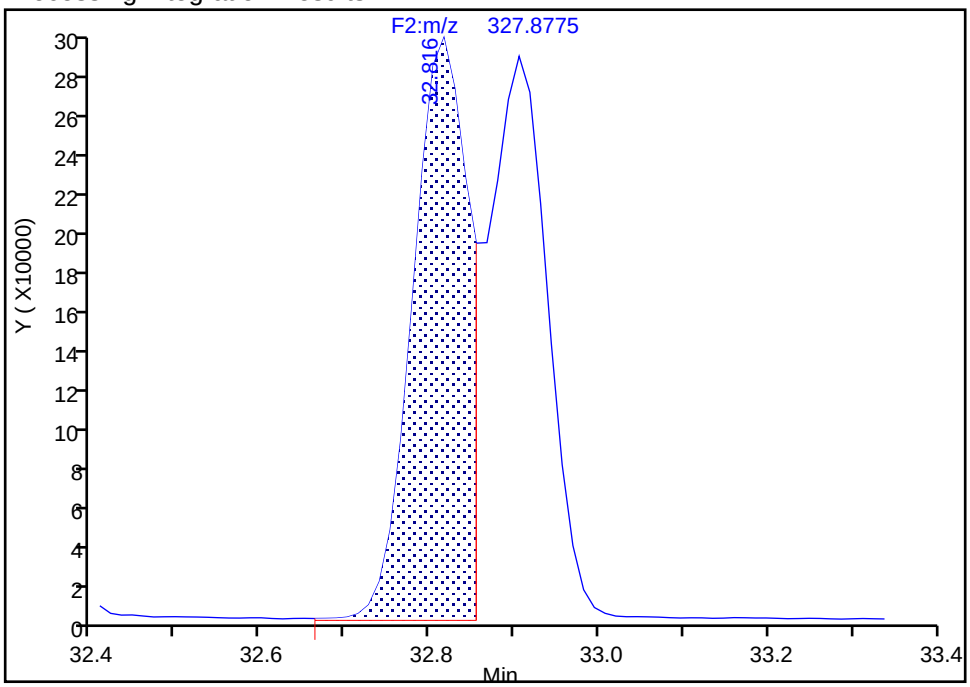
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

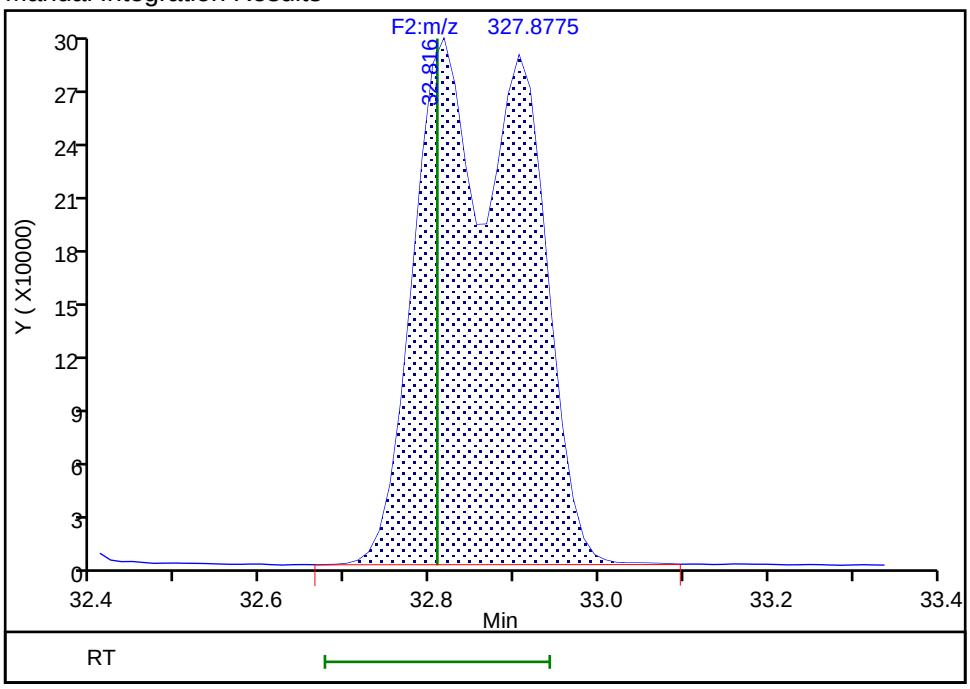
Processing Integration Results

RT: 32.82
Area: 1321373
Amount: 140.7546
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 2696847
Amount: 270.6106
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:19:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

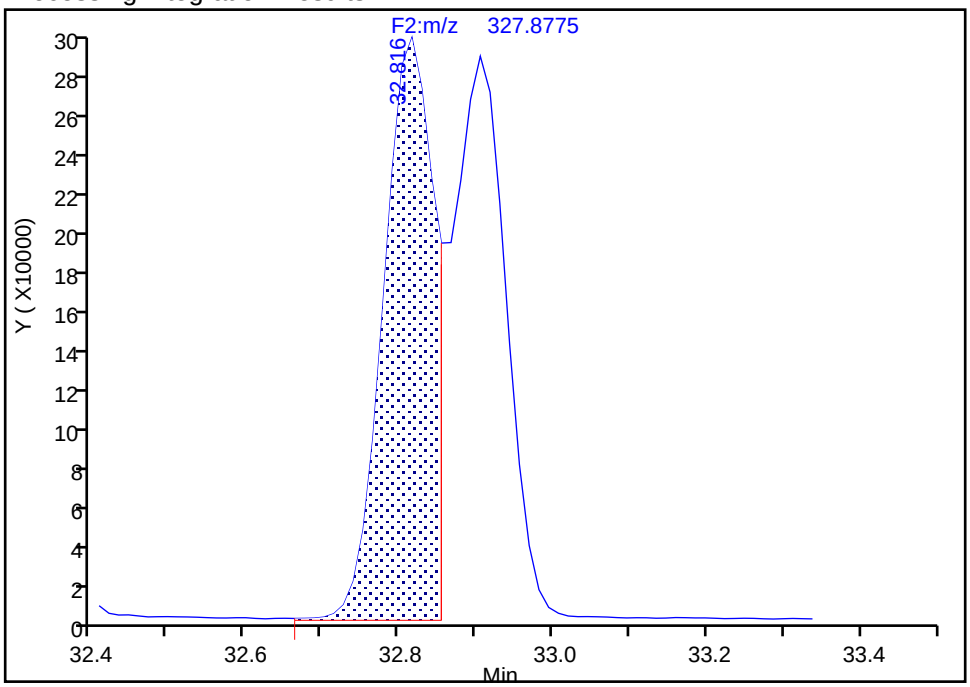
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.82
Area: 3633286
Amount: 140.7546
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 6985247
Amount: 270.6106
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:19:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

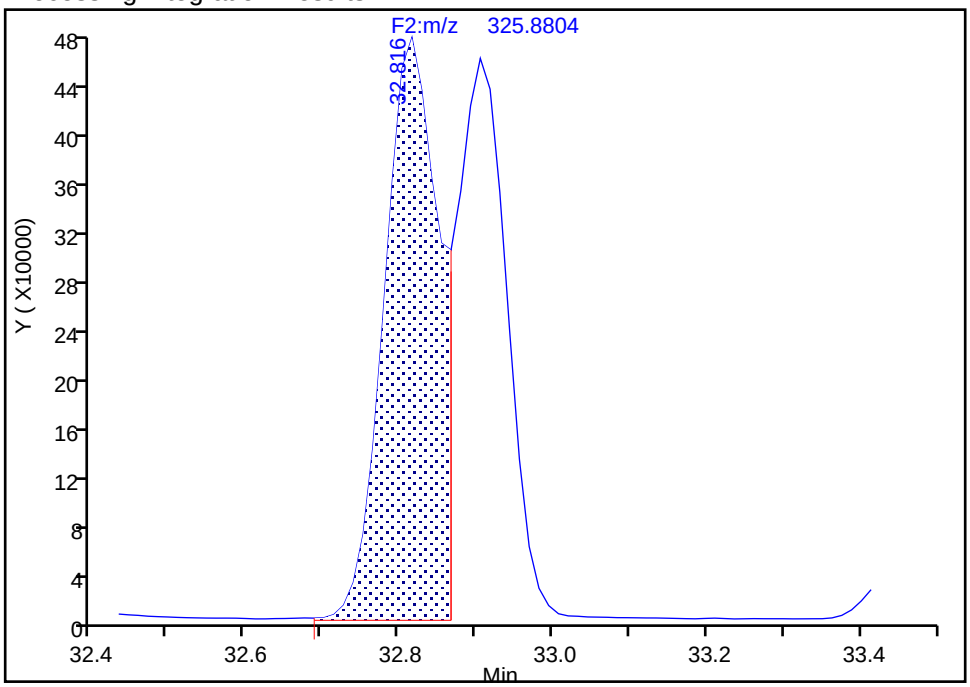
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

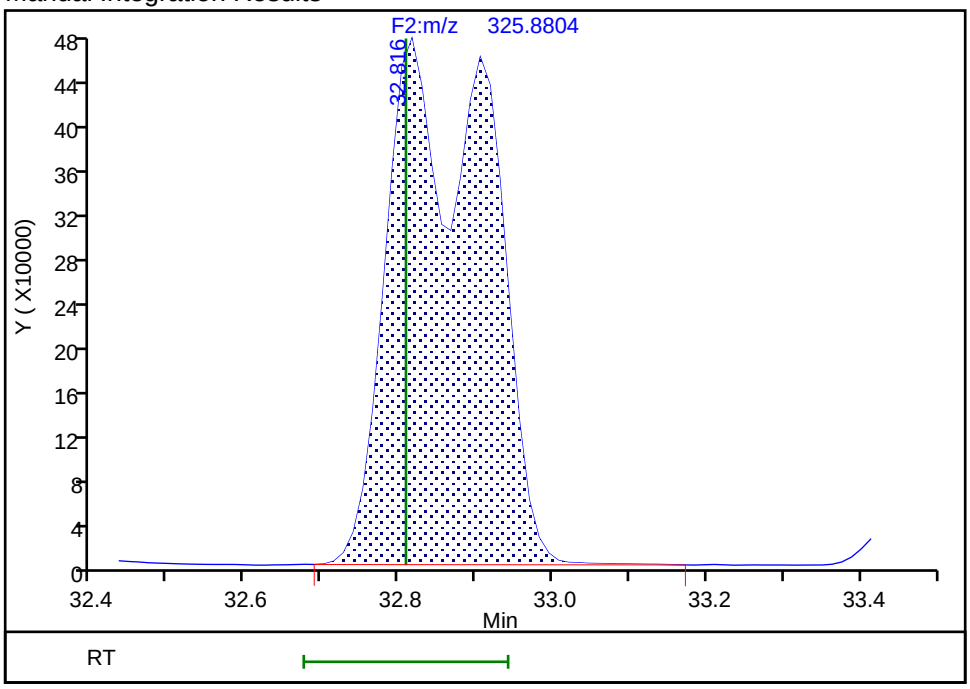
Processing Integration Results

RT: 32.82
Area: 2311913
Amount: 140.7546
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 4288400
Amount: 270.6106
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:19:49

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

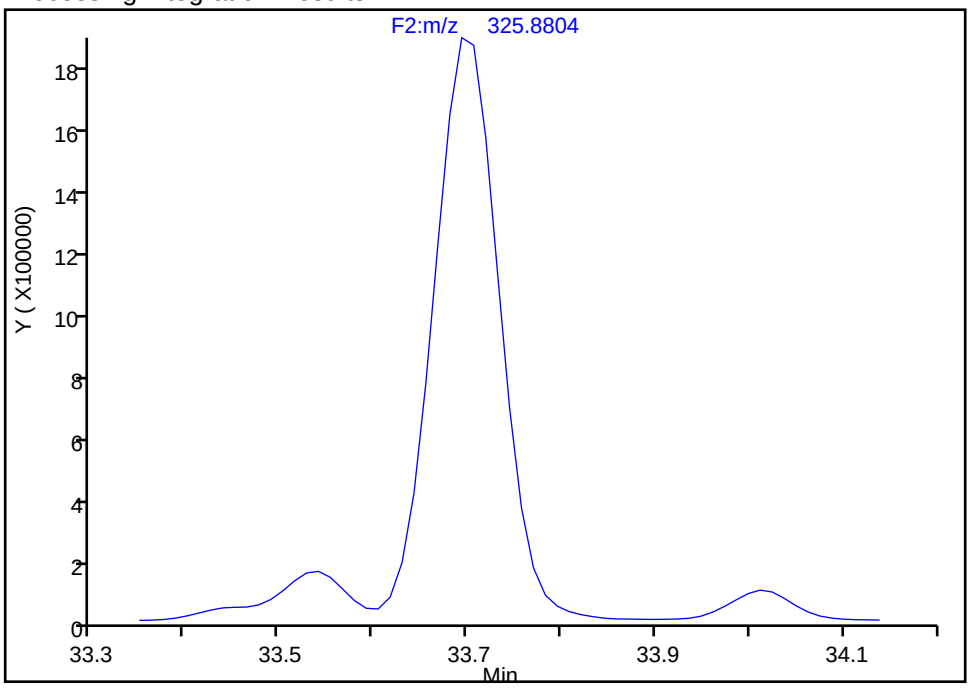
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

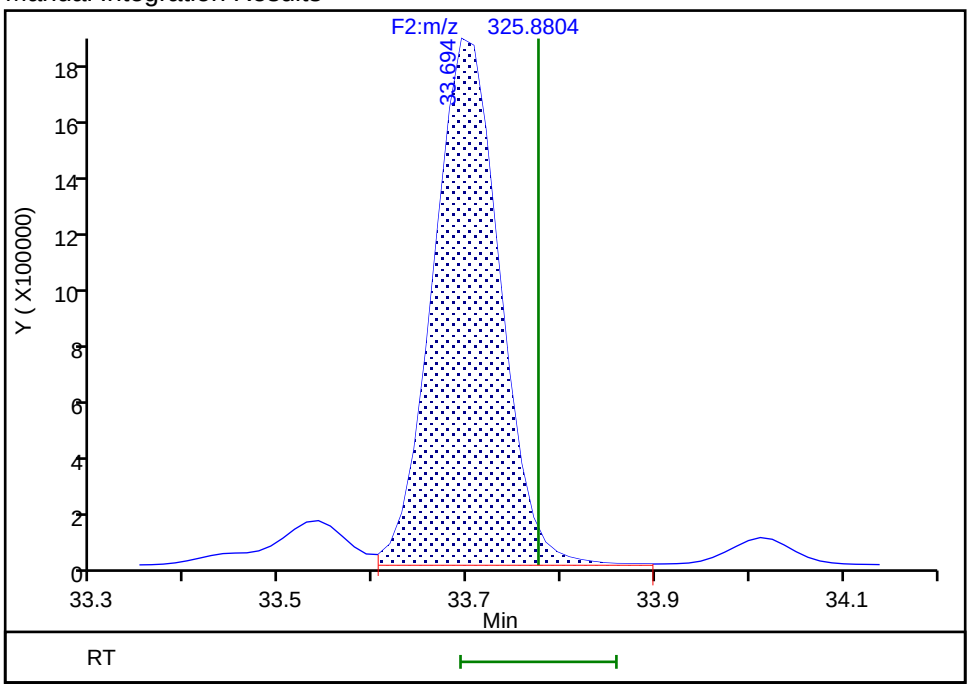
Not Detected
Expected RT: 33.78

Processing Integration Results




Manual Integration Results

RT: 33.69
Area: 9239989
Amount: 518.8472
Amount Units: pg/ul



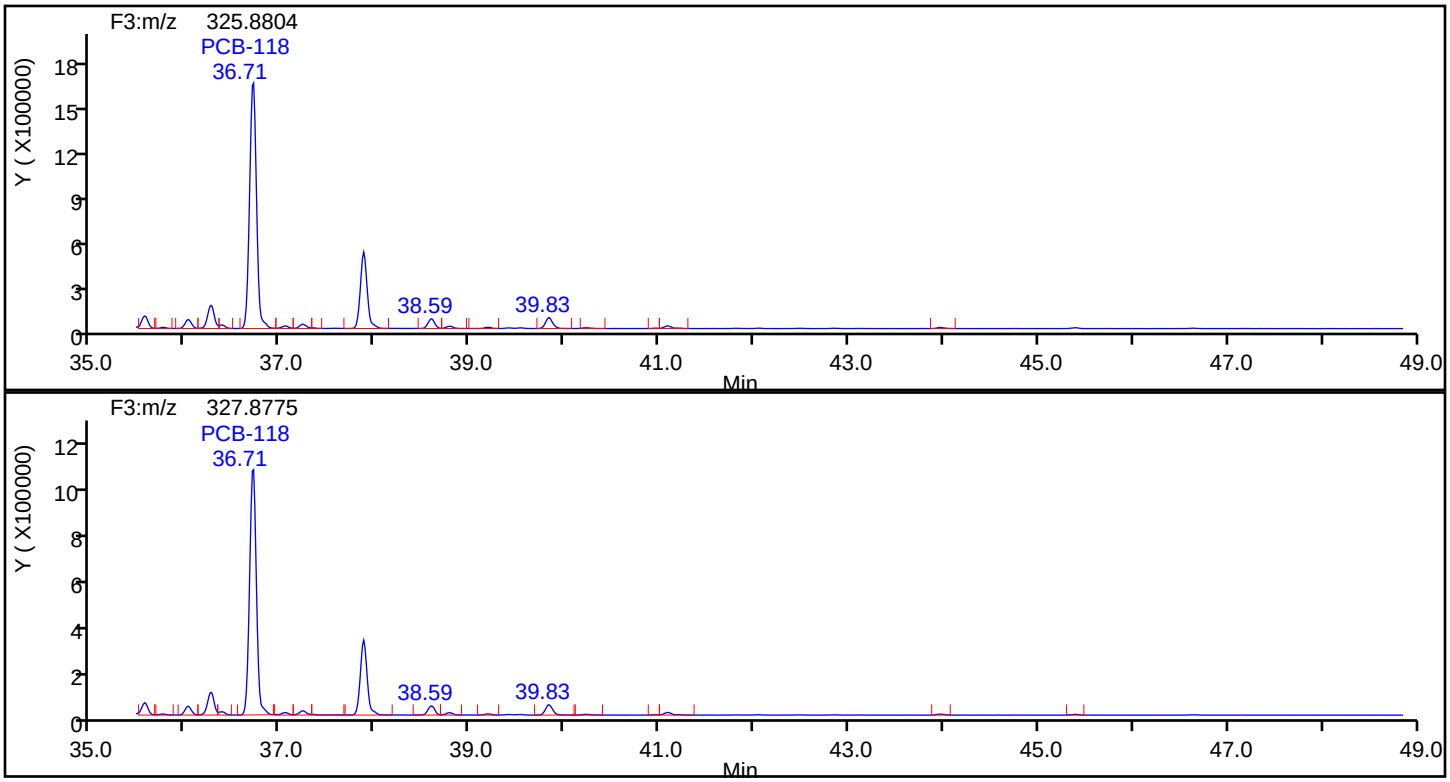

Reviewer: mcwhirterl, 03-Oct-2019 20:19:56
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 04-Oct-2019 00:00:45 Chrom Revision: 2.3 17-Sep-2019 16:19:08

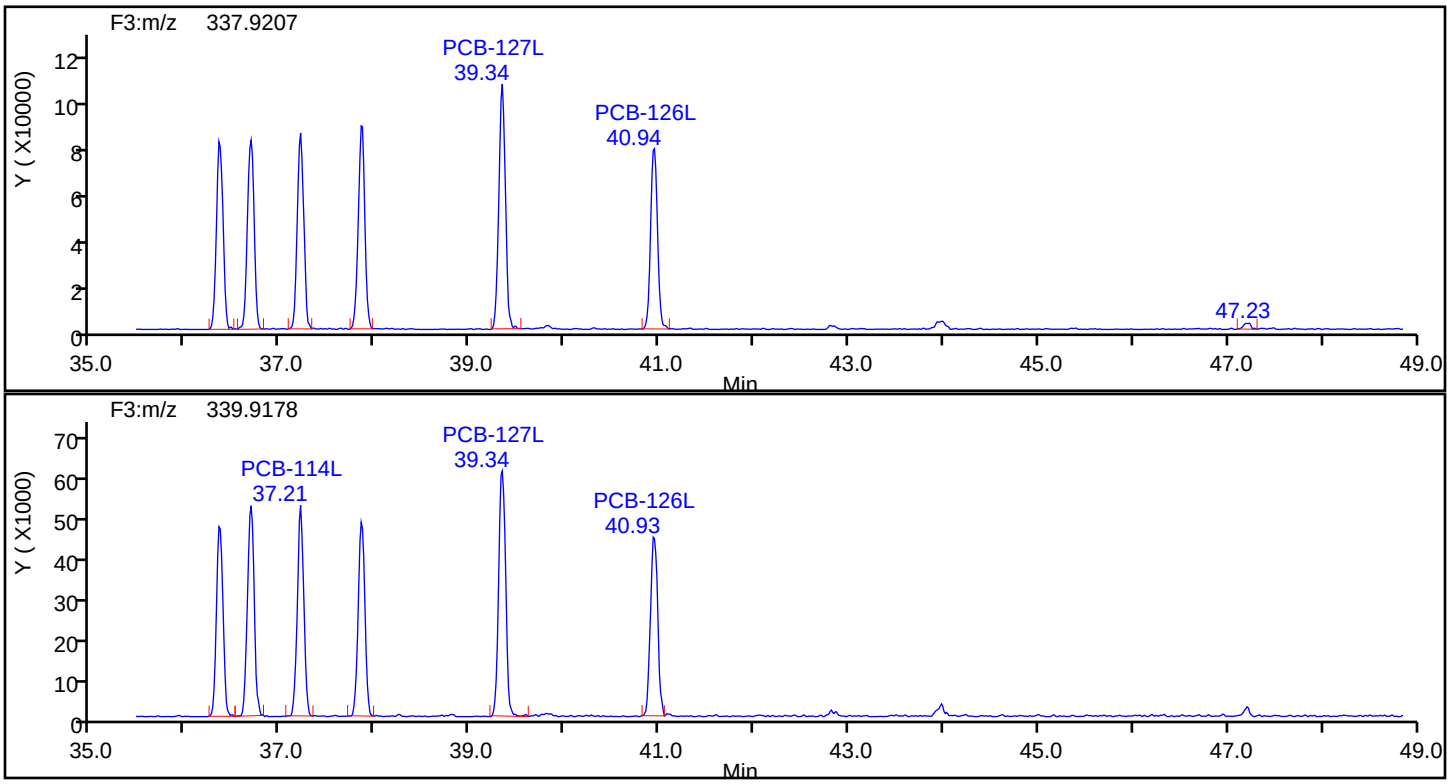
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



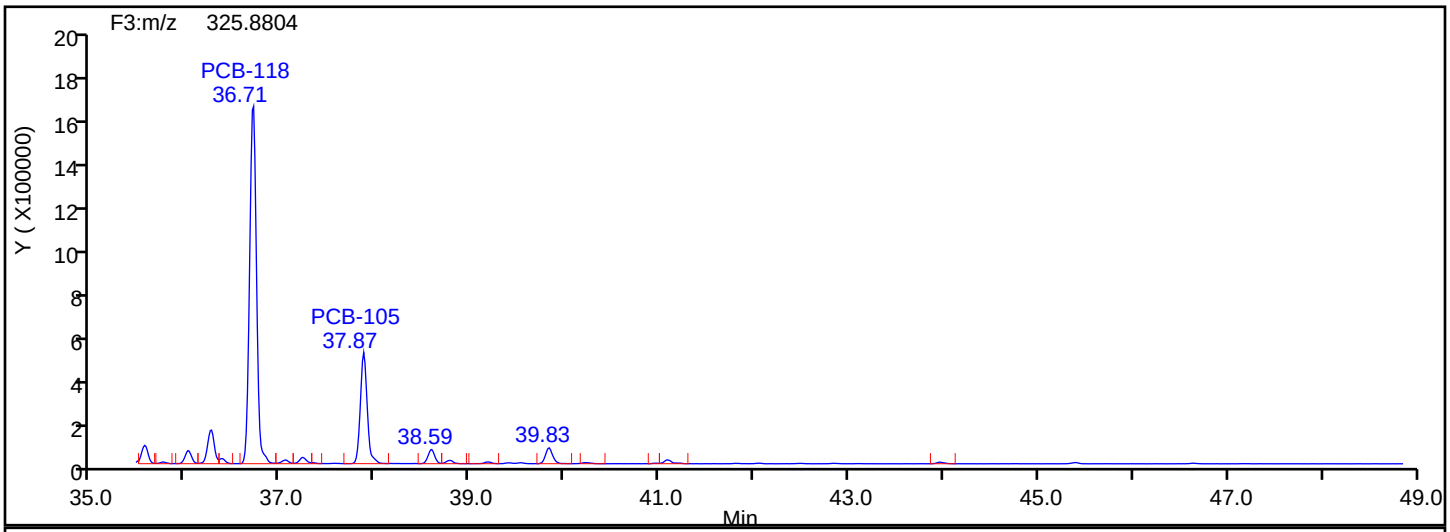

PePCB F3 Standards

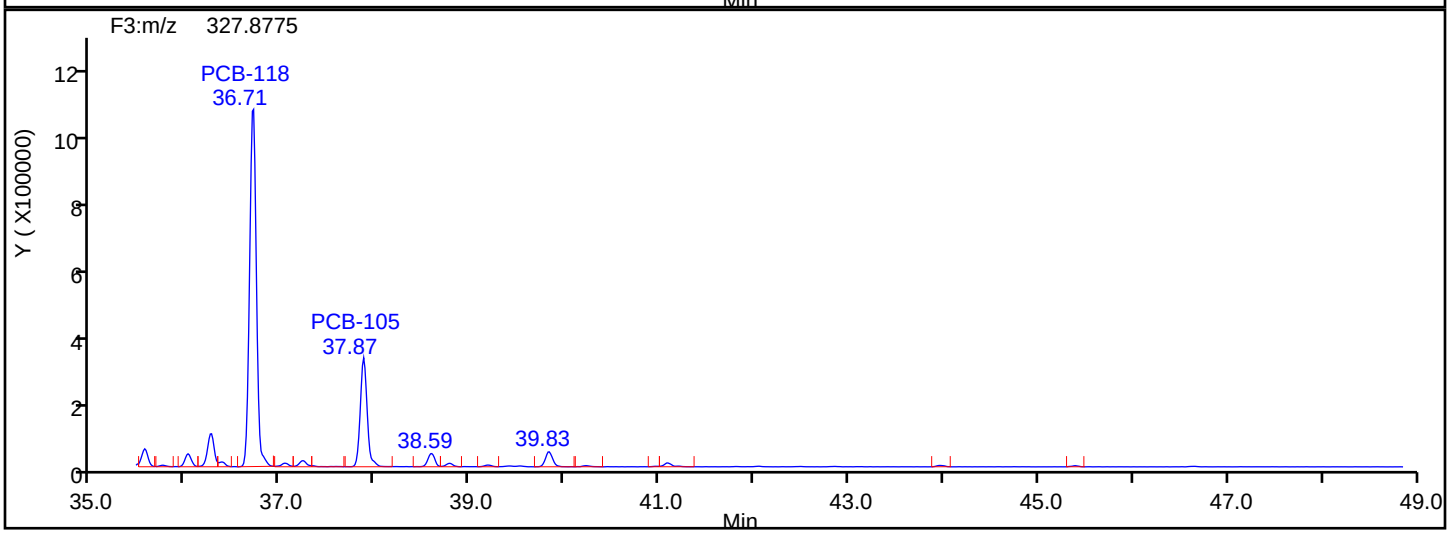


Eurofins TestAmerica, Knoxville

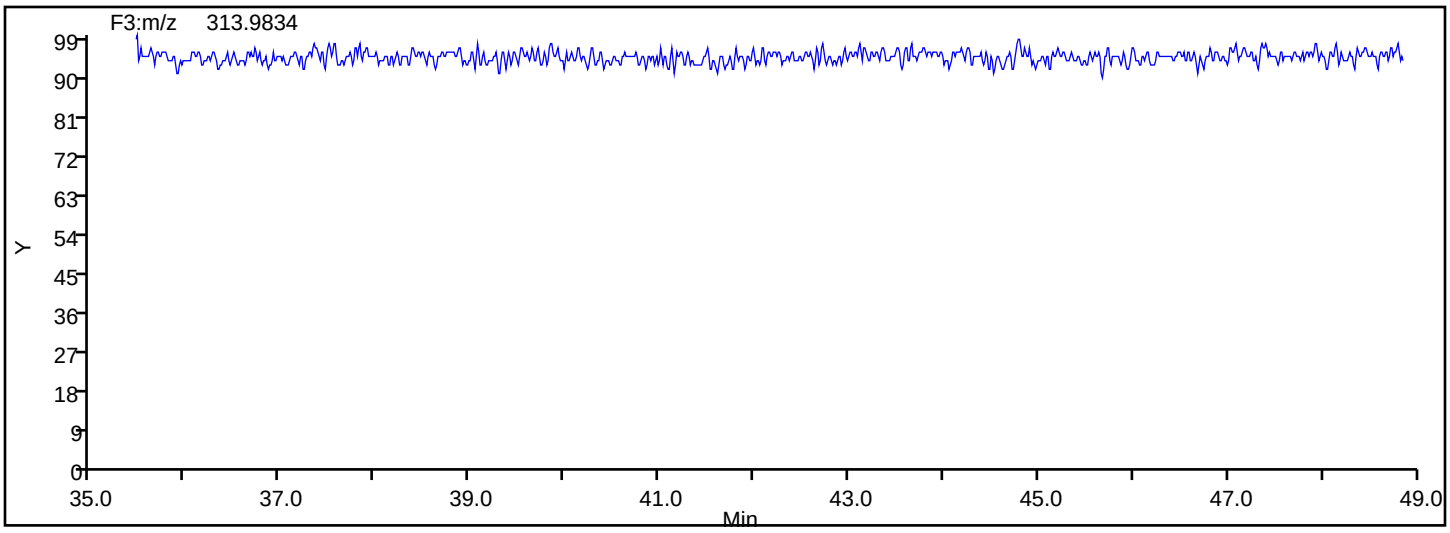
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

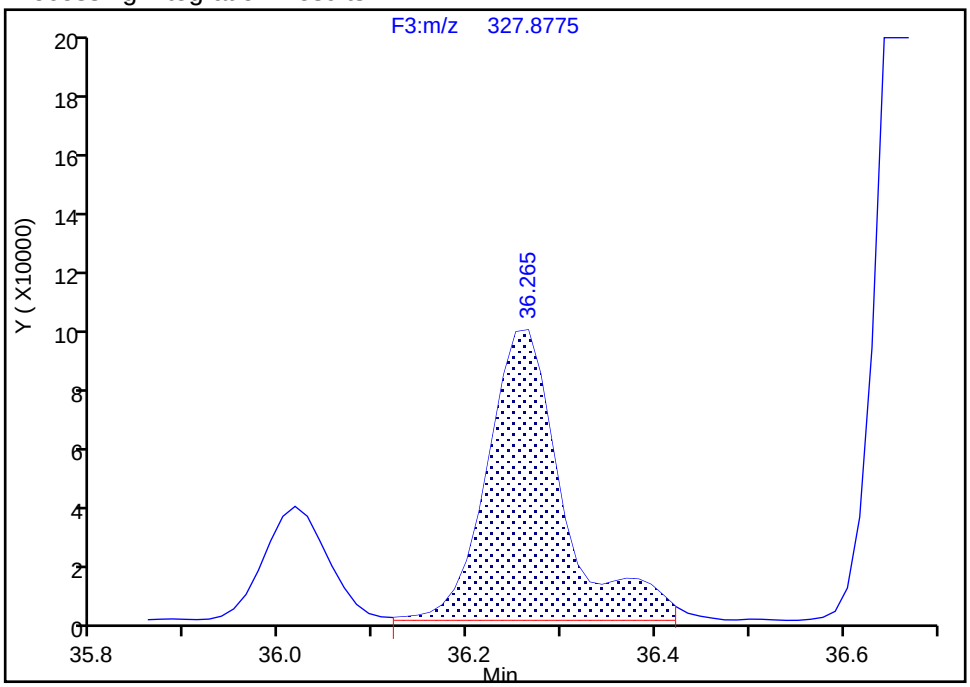
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

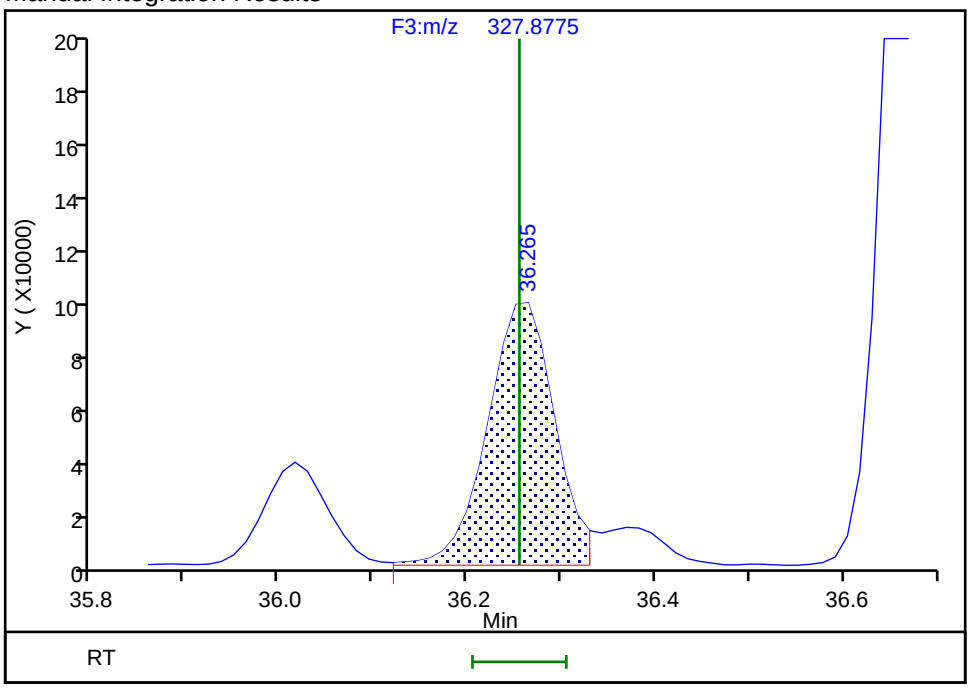
Processing Integration Results

RT: 36.26
Area: 553202
Amount: 32.724854
Amount Units: pg/ul




Manual Integration Results

RT: 36.26
Area: 488021
Amount: 29.182038
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:20:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

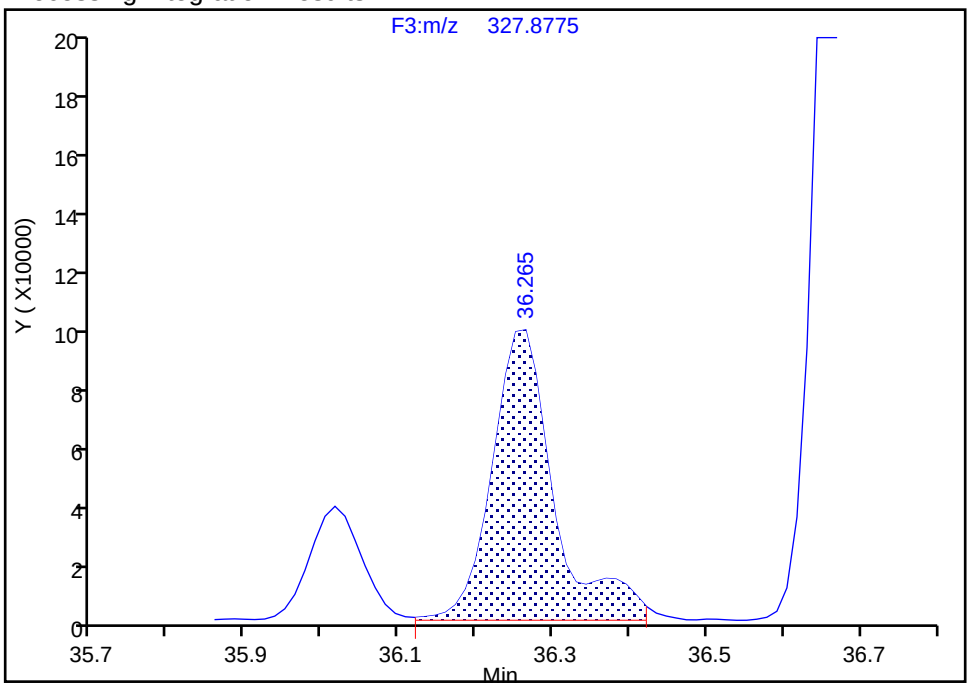
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 3

Processing Integration Results

RT: 36.26
Area: 1426270
Amount: 32.724854
Amount Units: pg/ul




Manual Integration Results

RT: 36.26
Area: 1271861
Amount: 29.182038
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:20:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

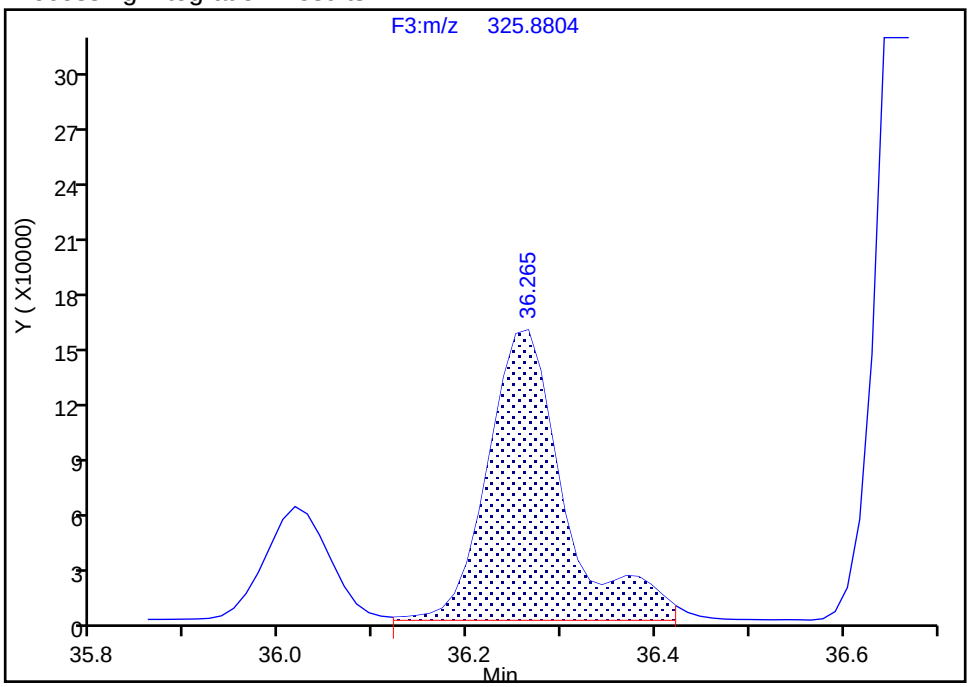
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

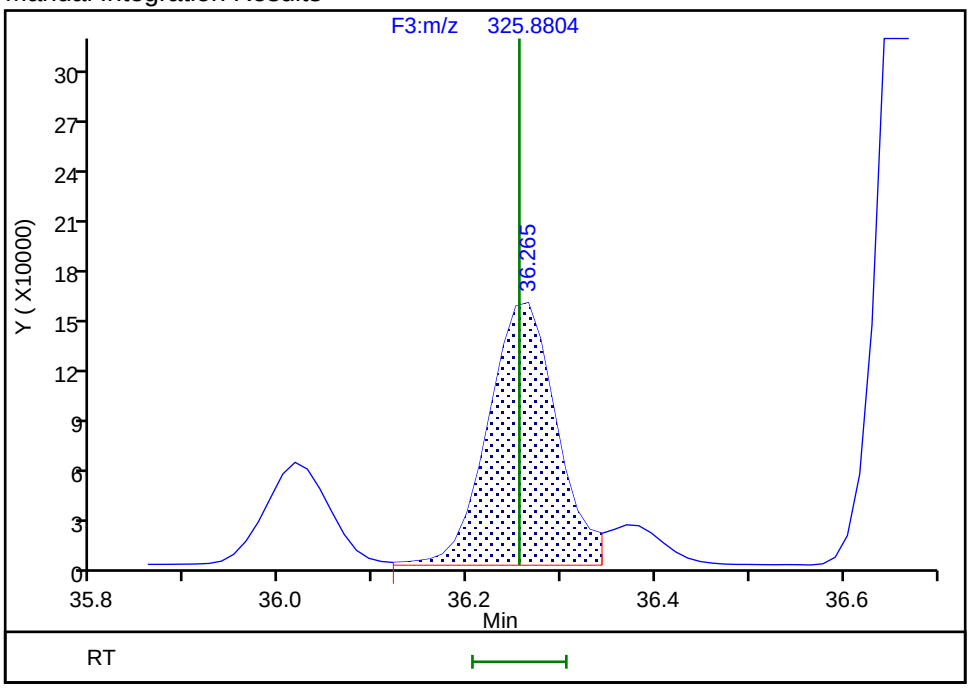
Processing Integration Results

RT: 36.26
Area: 873068
Amount: 32.724854
Amount Units: pg/ul




Manual Integration Results

RT: 36.26
Area: 783840
Amount: 29.182038
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:20:27

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

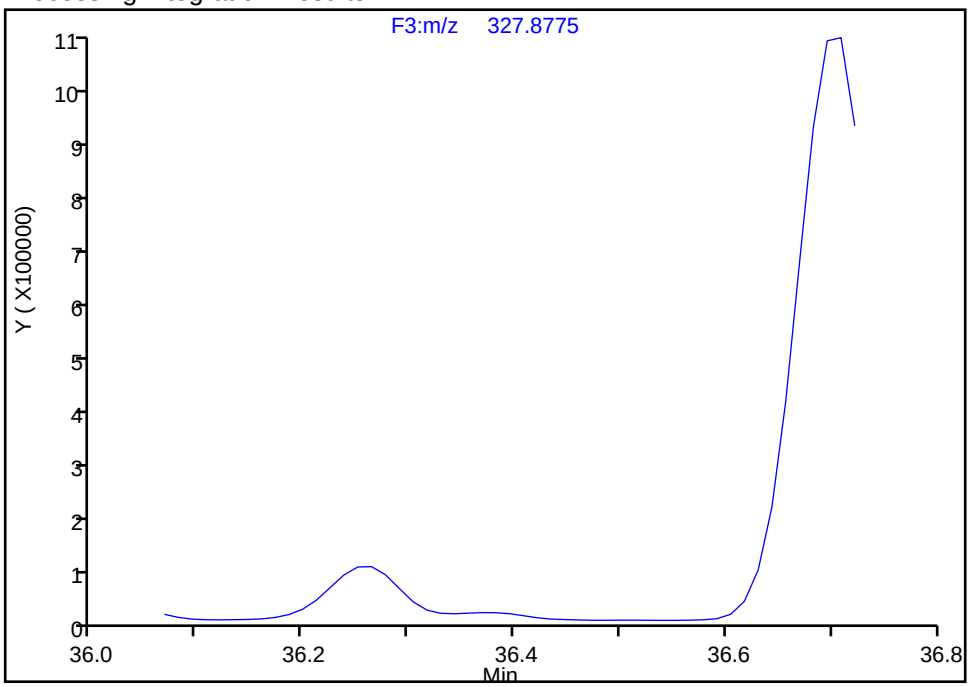
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 2

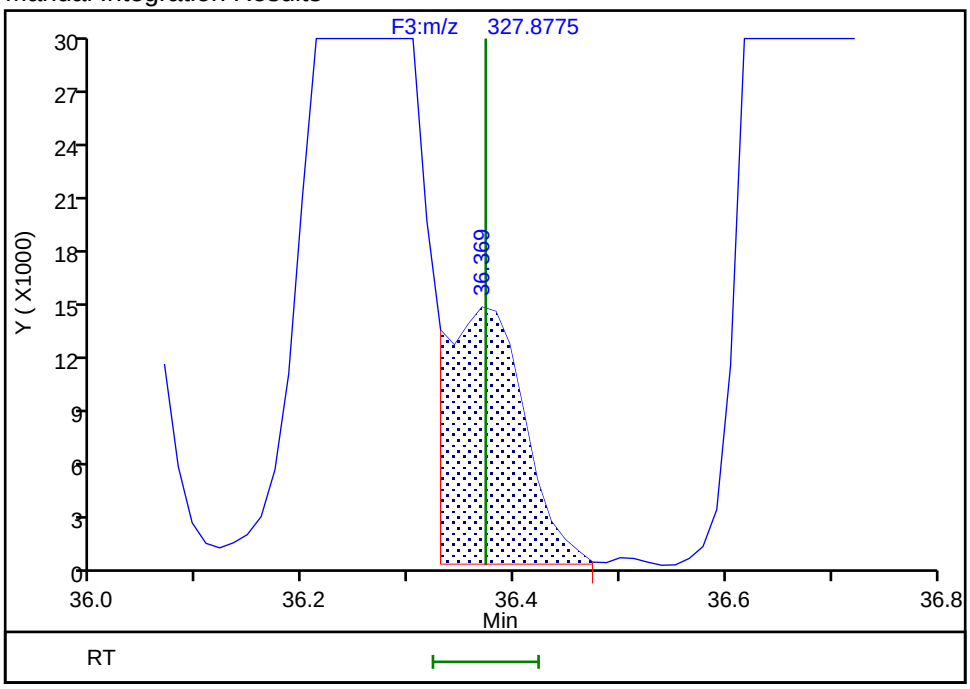
Not Detected
Expected RT: 36.37

Processing Integration Results




Manual Integration Results

RT: 36.37
Area: 70376
Amount: 4.131443
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:20:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

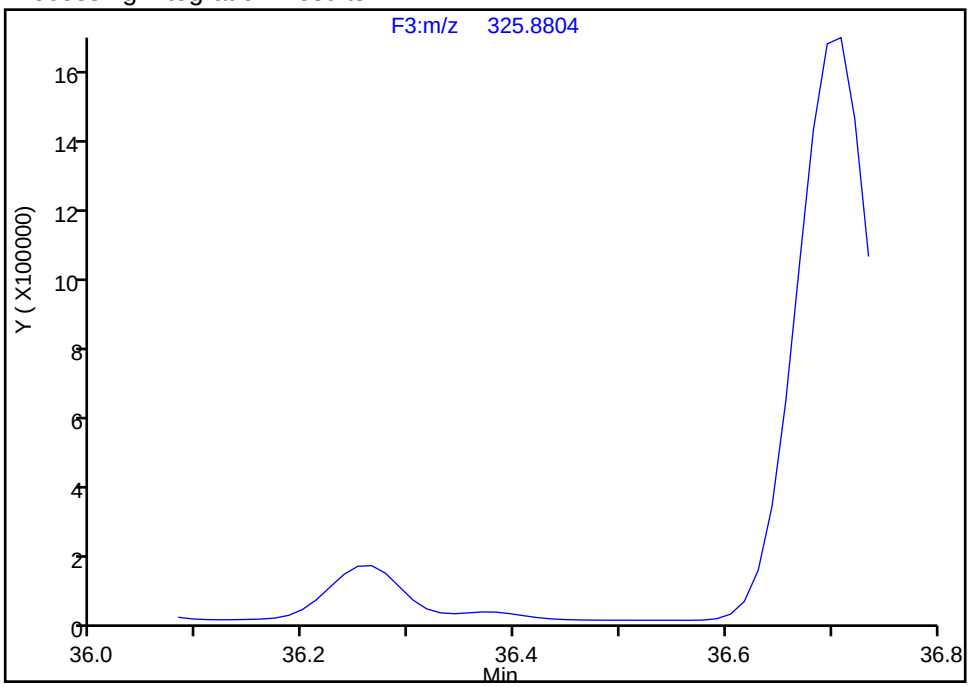
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

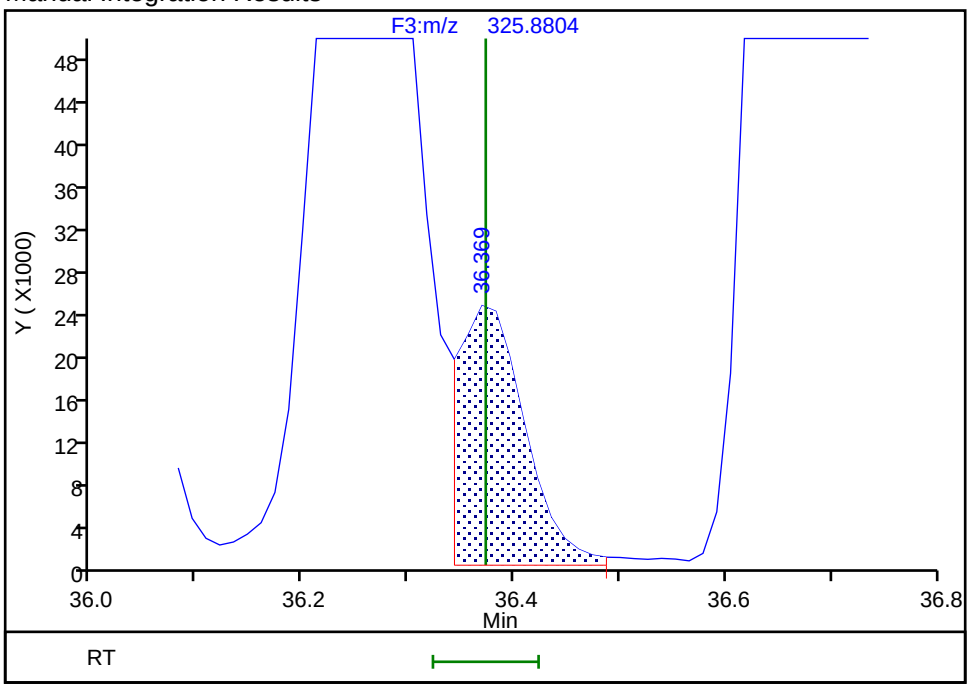
Not Detected
Expected RT: 36.37

Processing Integration Results




Manual Integration Results

RT: 36.37
Area: 101345
Amount: 4.131443
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:20:56
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

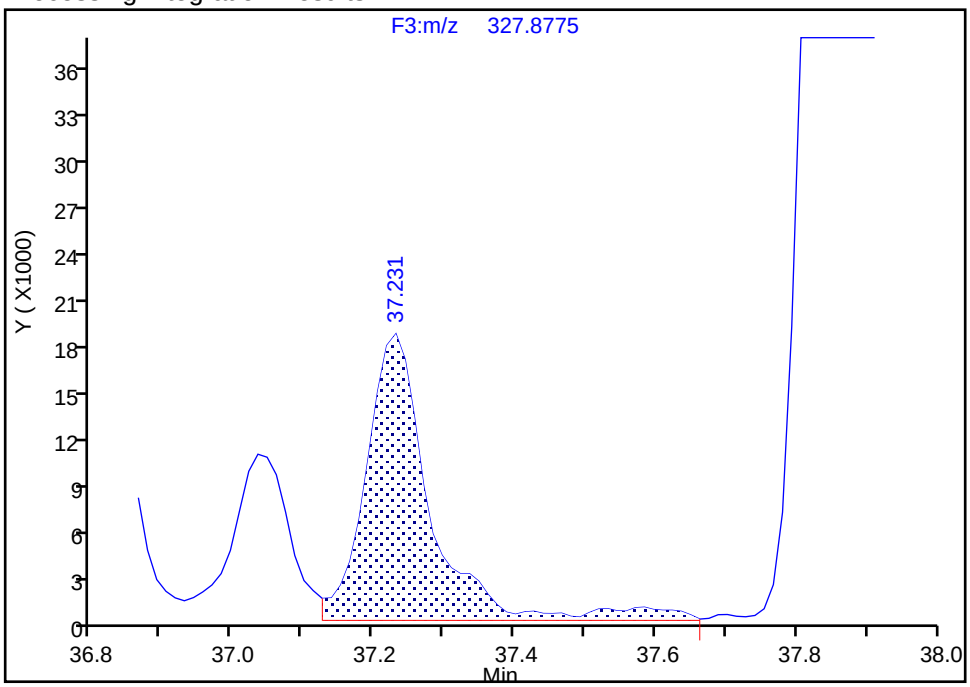
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

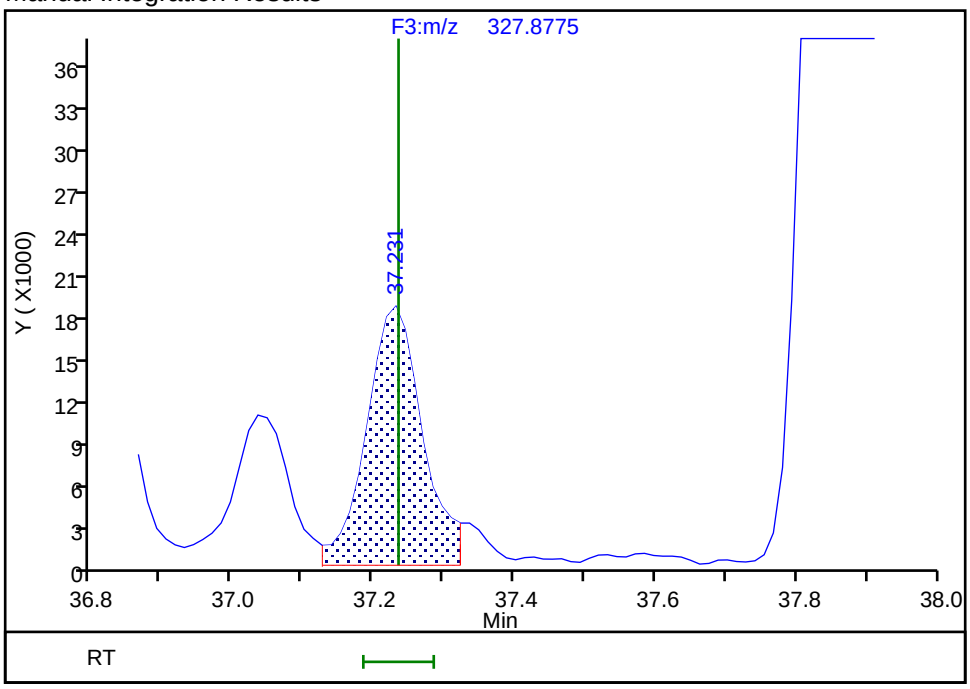
Processing Integration Results

RT: 37.23
Area: 116712
Amount: 6.308598
Amount Units: pg/ul




Manual Integration Results

RT: 37.23
Area: 100179
Amount: 5.607535
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:00:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

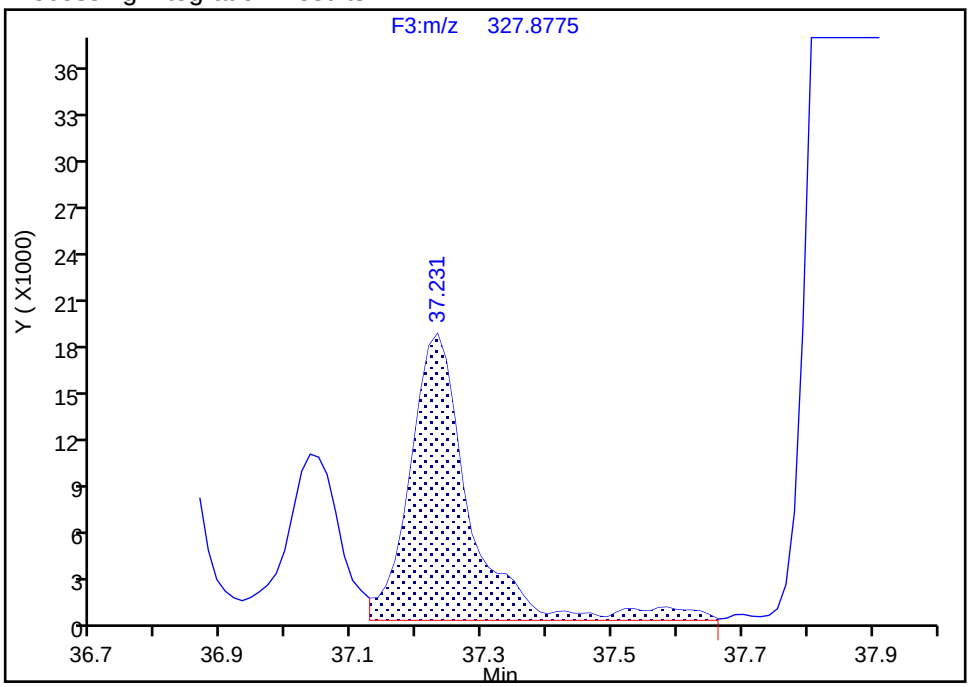
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 3

Processing Integration Results

RT: 37.23
Area: 285544
Amount: 6.308598
Amount Units: pg/ul




Manual Integration Results

RT: 37.23
Area: 253812
Amount: 5.607535
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:00:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

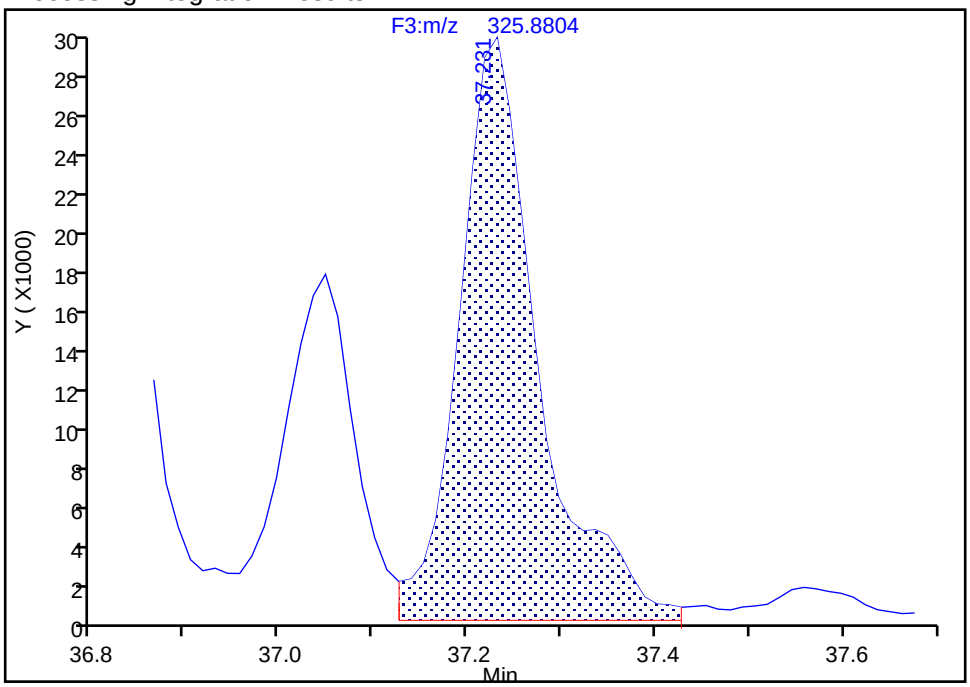
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

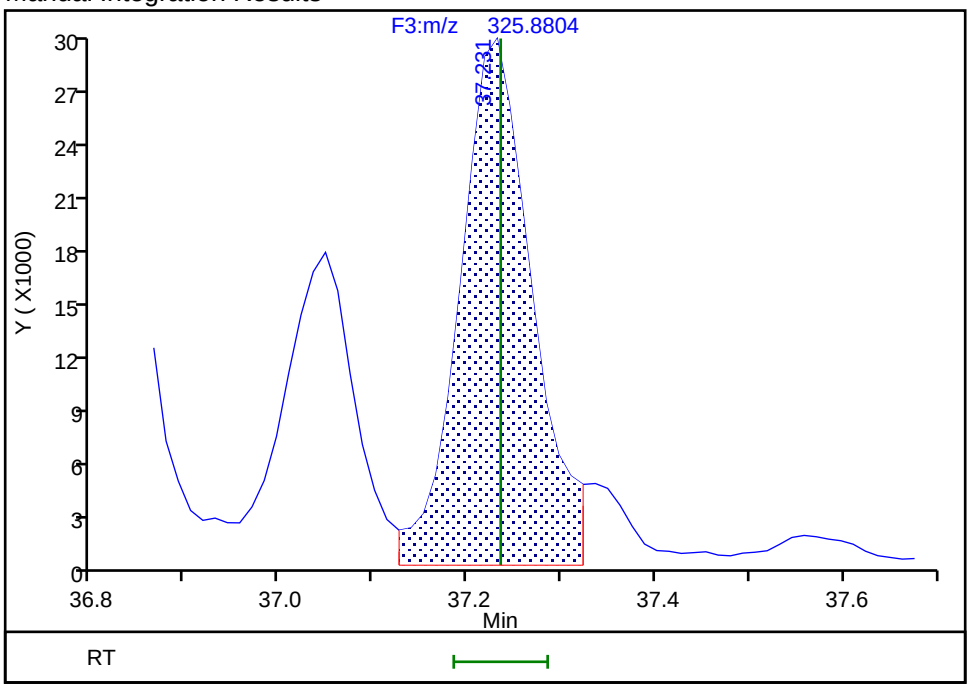
Processing Integration Results

RT: 37.23
Area: 168832
Amount: 6.308598
Amount Units: pg/ul




Manual Integration Results

RT: 37.23
Area: 153633
Amount: 5.607535
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:00:11

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

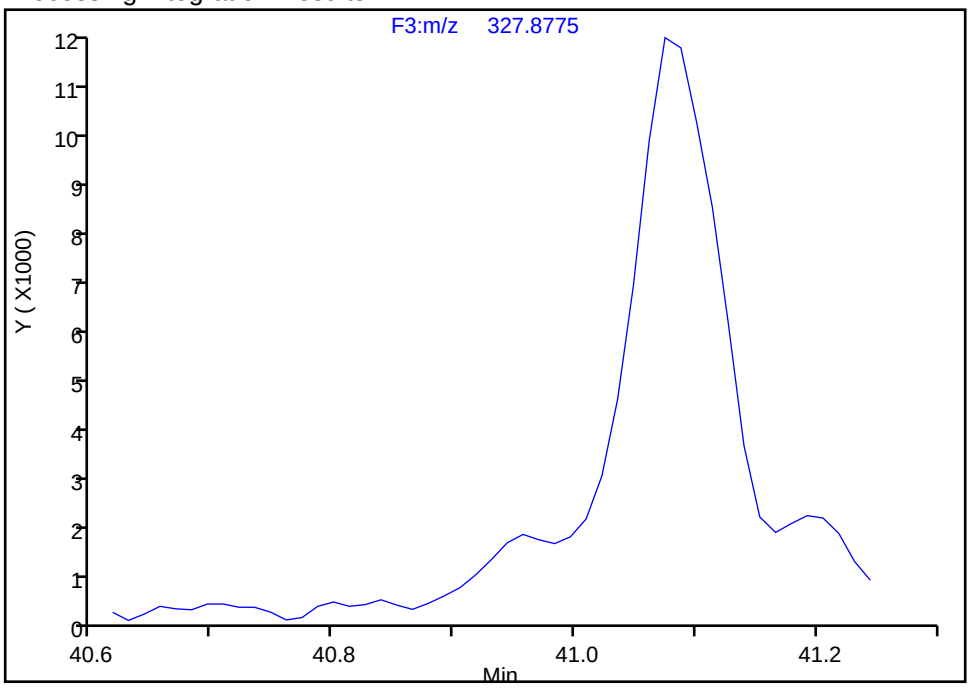
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

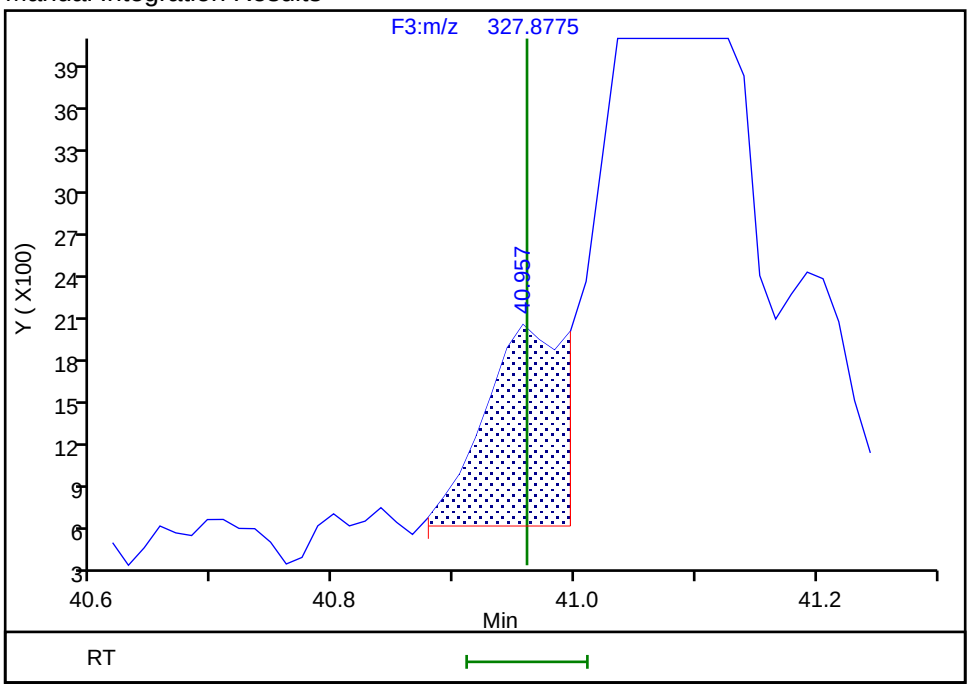
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 40.96
Area: 6403
Amount: 0.400369
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:21:29
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

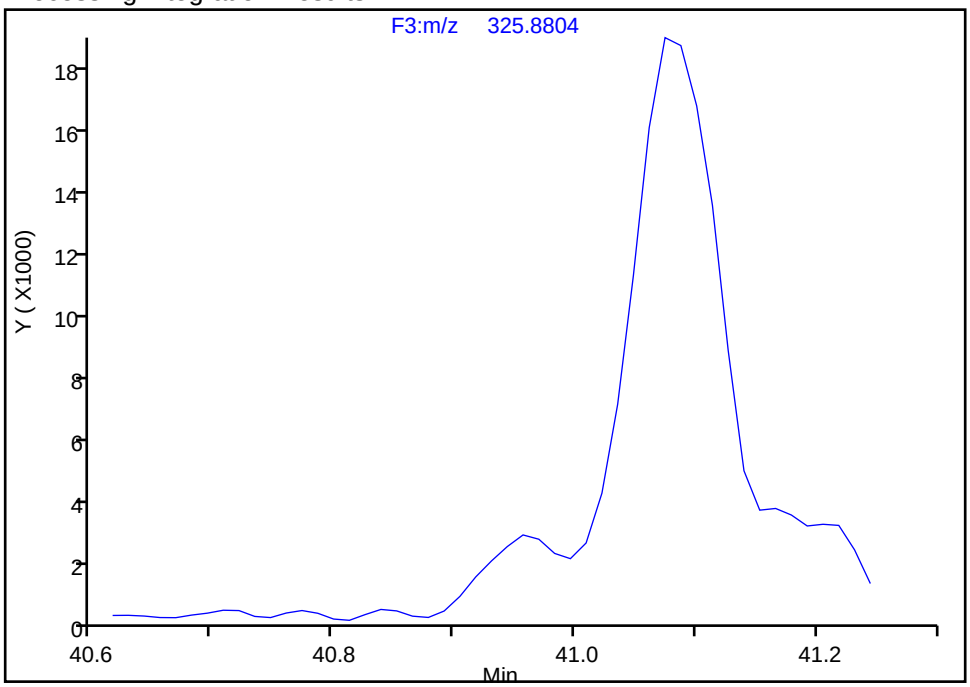
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

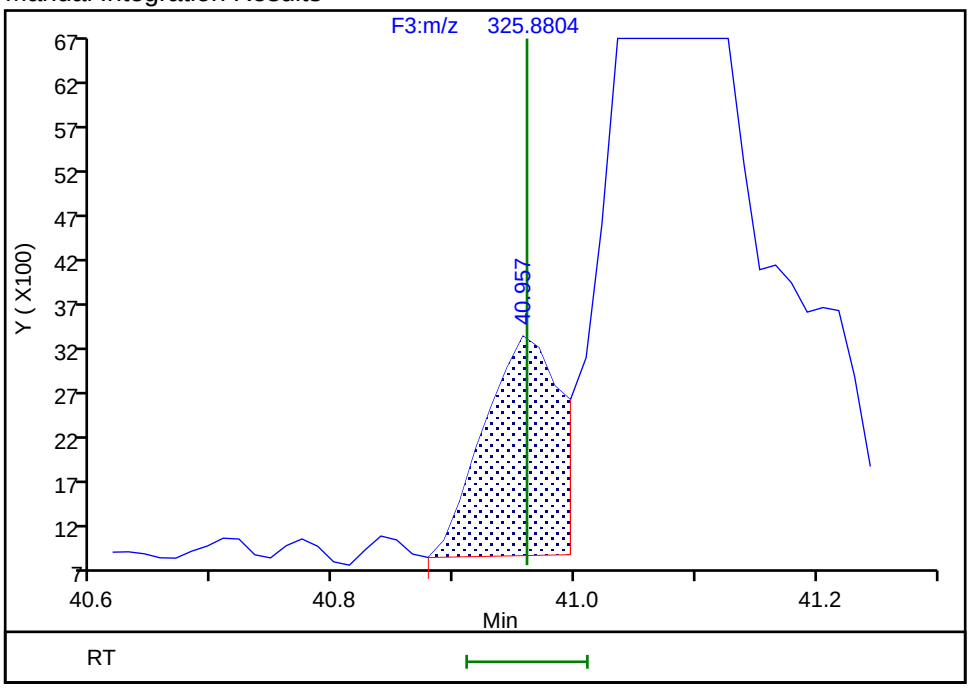
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 40.96
Area: 10496
Amount: 0.400369
Amount Units: pg/ul



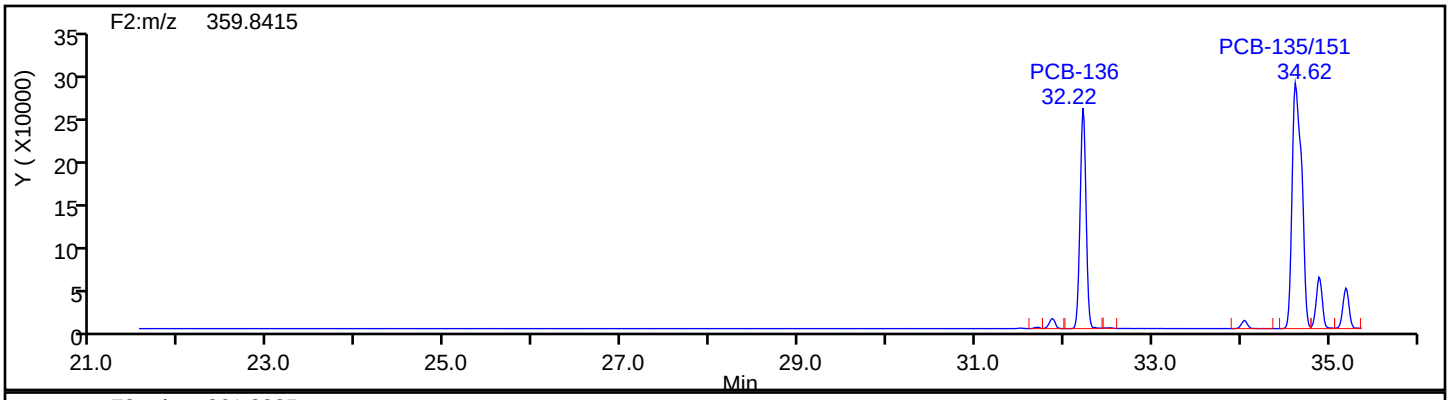

Reviewer: mcwhirterl, 03-Oct-2019 20:21:32
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

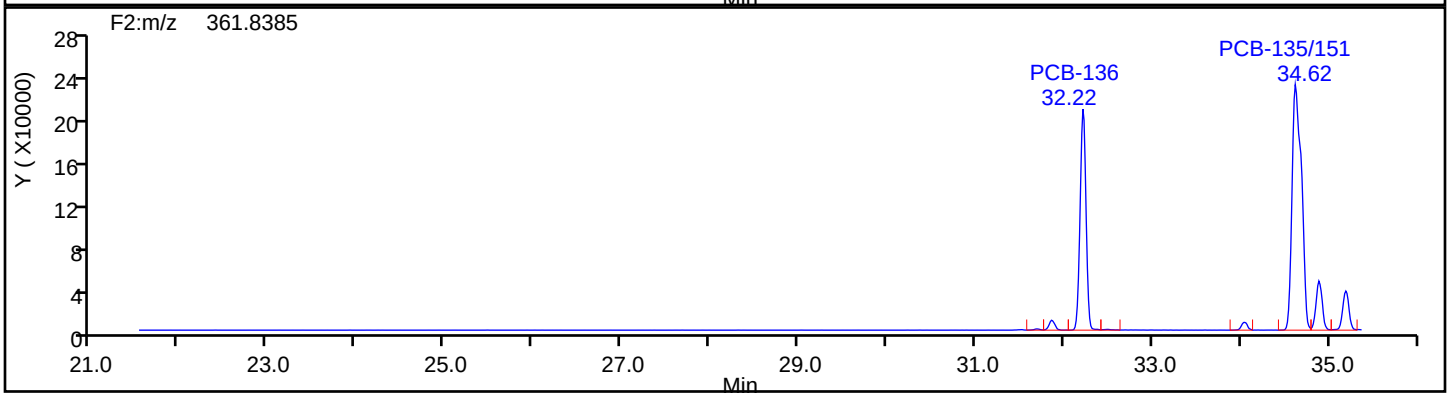
Report Date: 04-Oct-2019 00:00:46 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

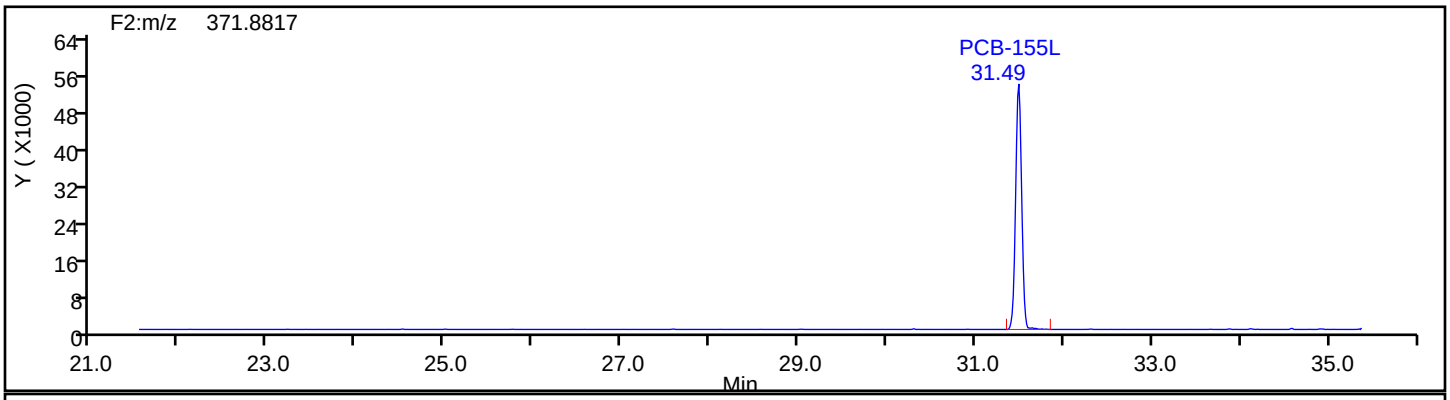
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

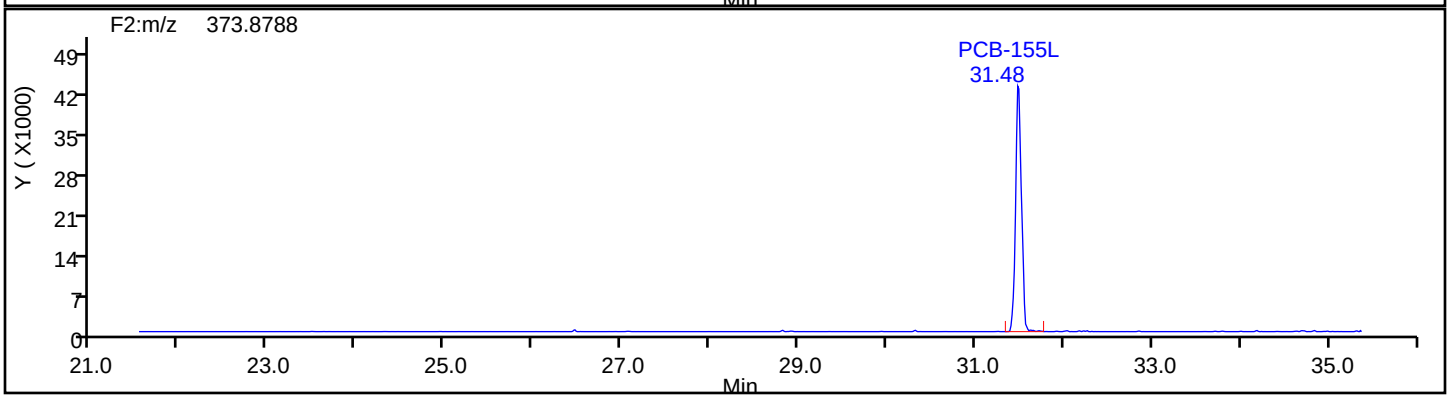
HxPCB F2




HxPCB F2 Standards

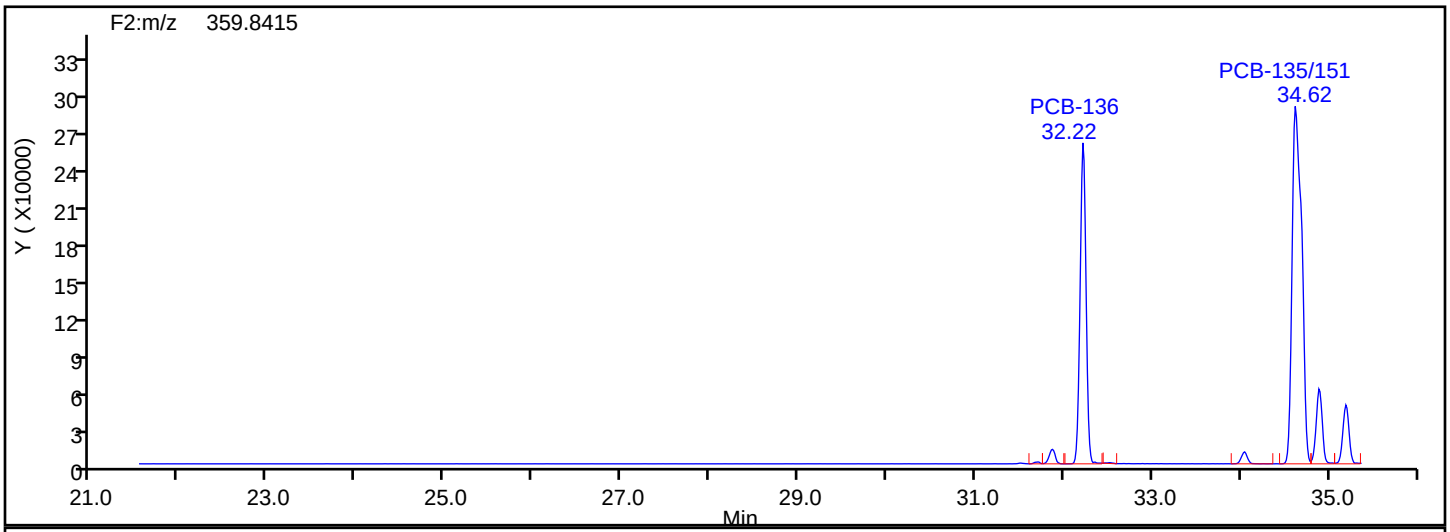


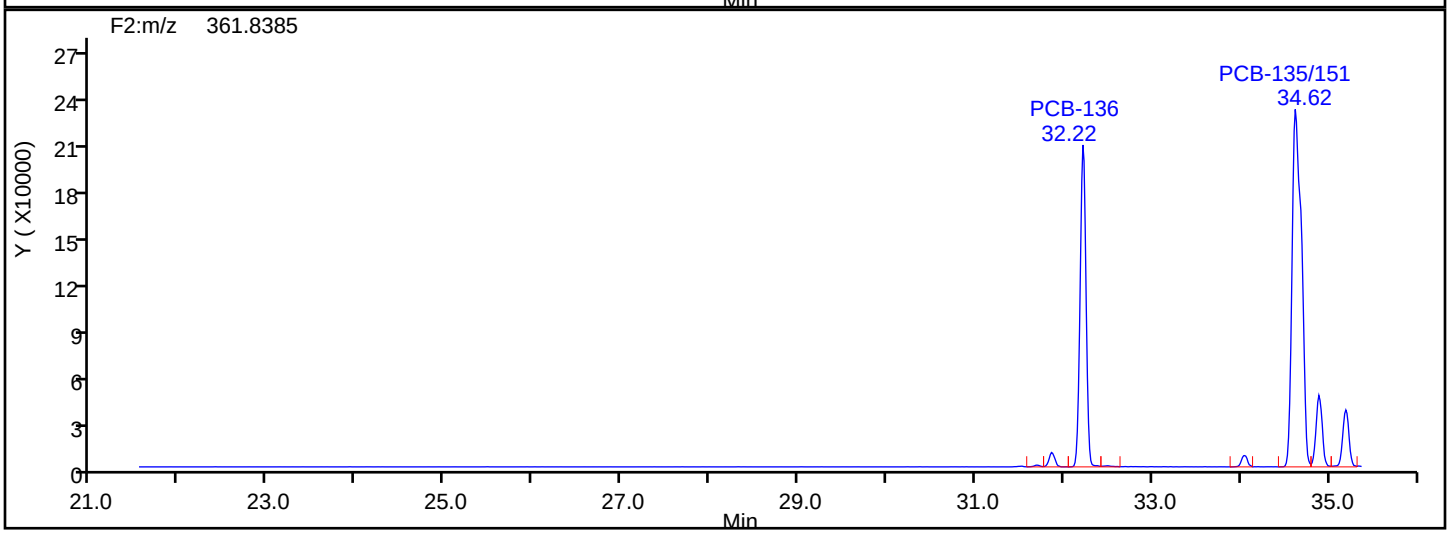



Eurofins TestAmerica, Knoxville

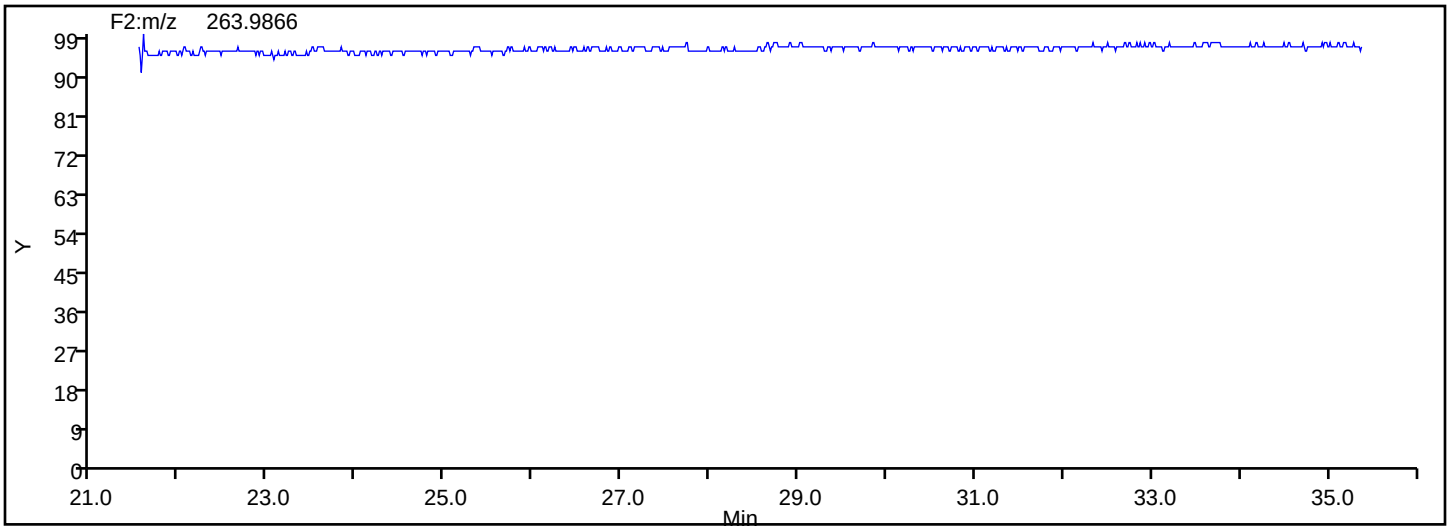
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



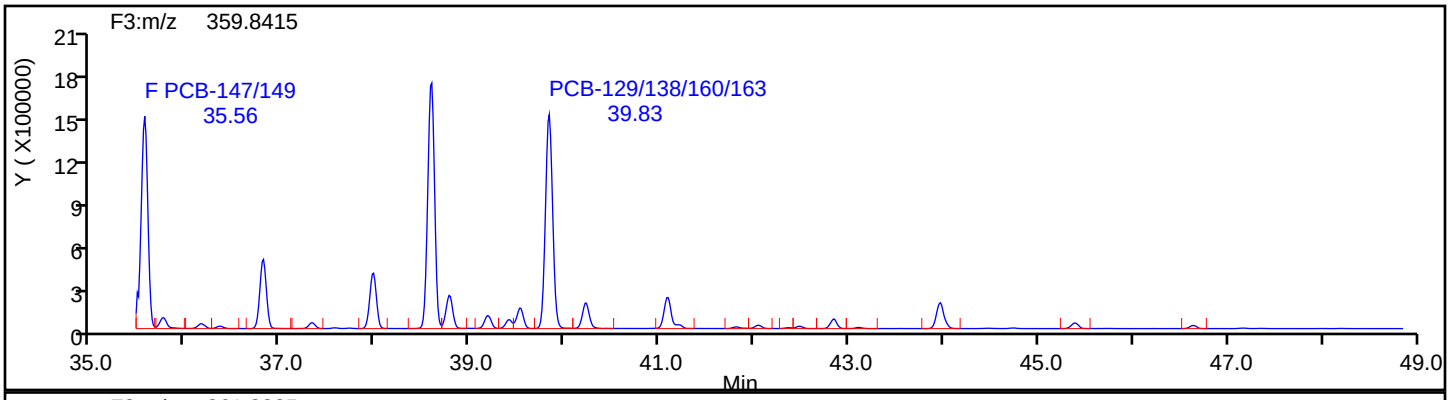

HxPCB F2 Lock Mass

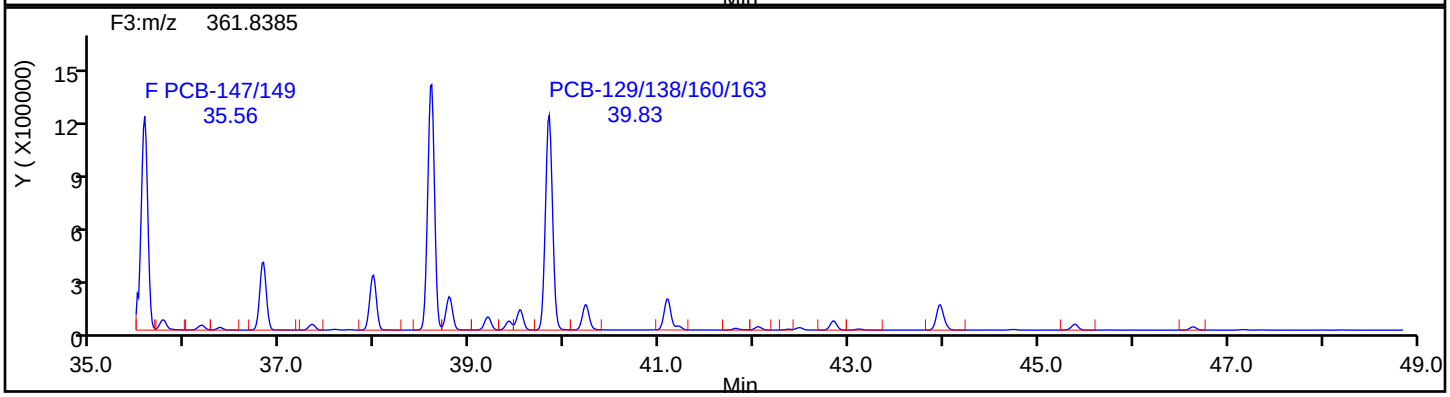


Eurofins TestAmerica, Knoxville

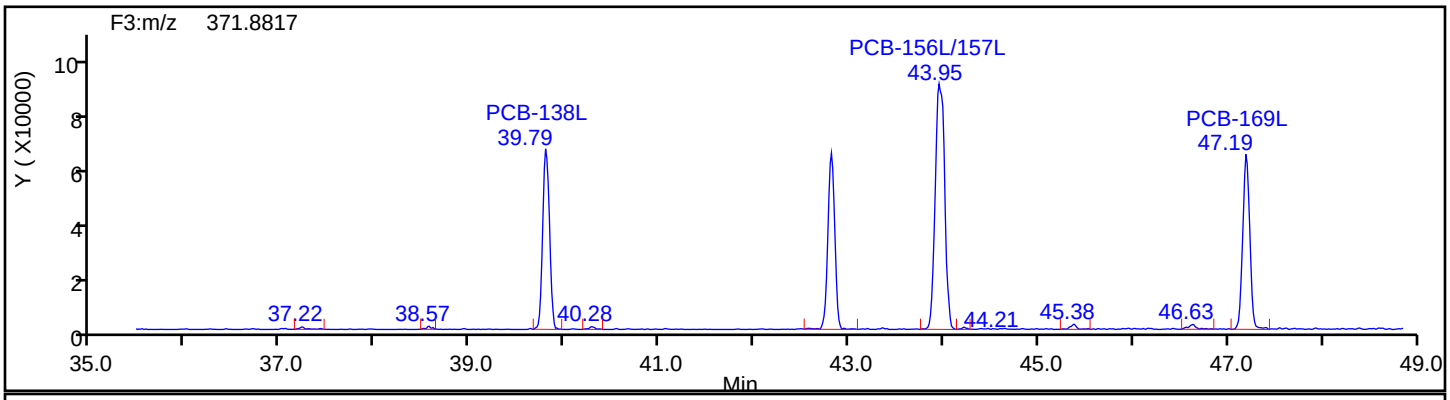
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

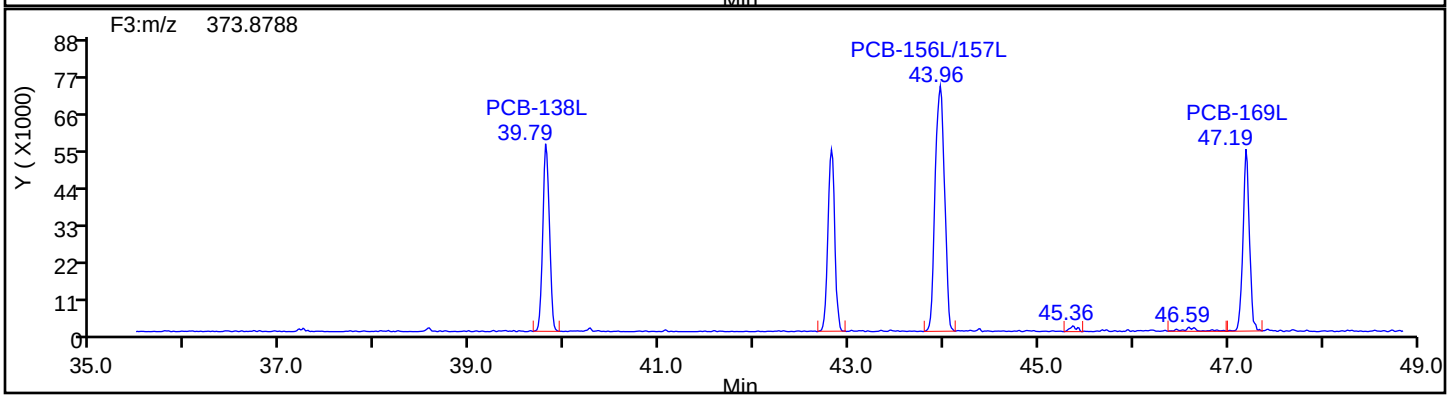
HxPCB F3




HxPCB F3 Standards

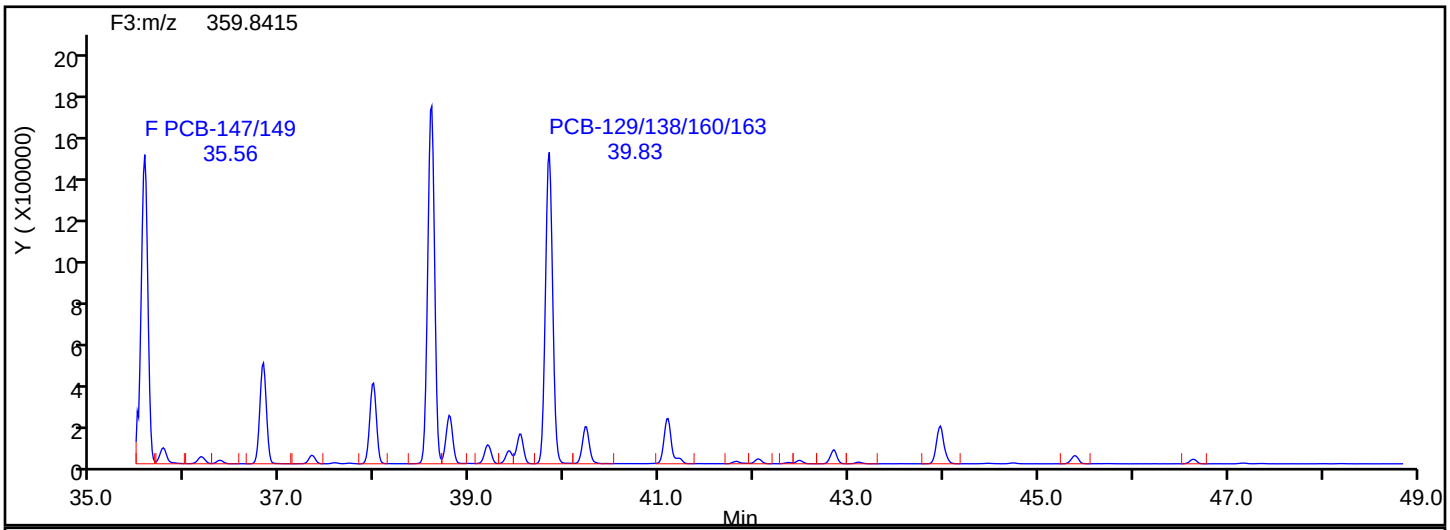


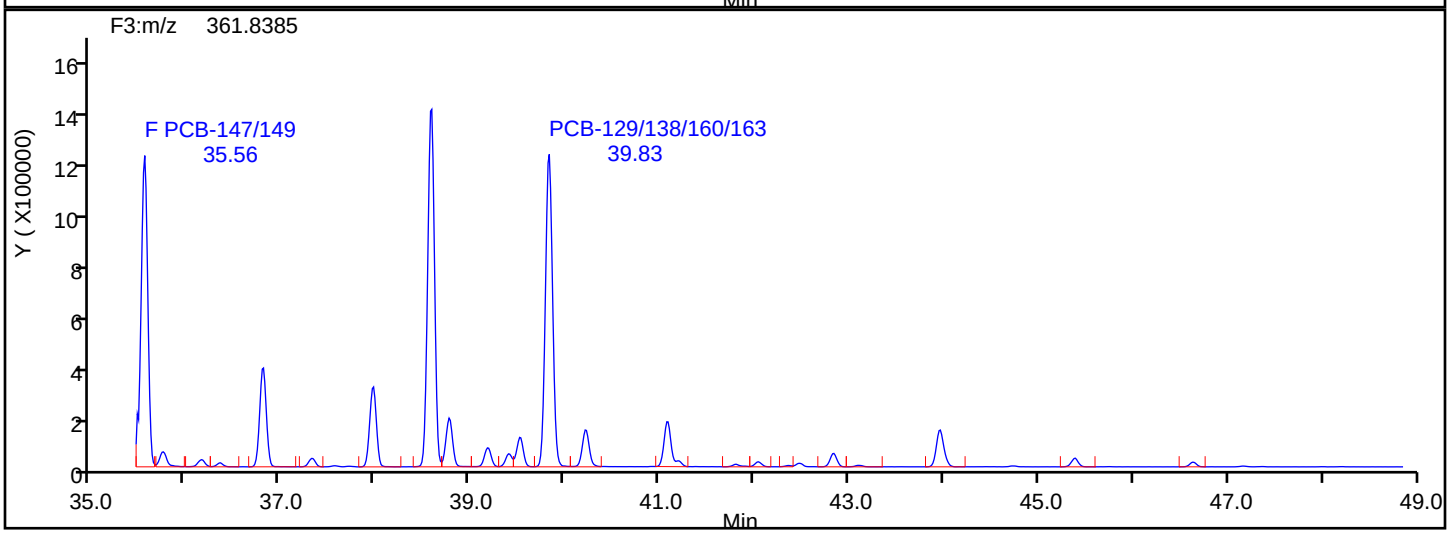



Eurofins TestAmerica, Knoxville

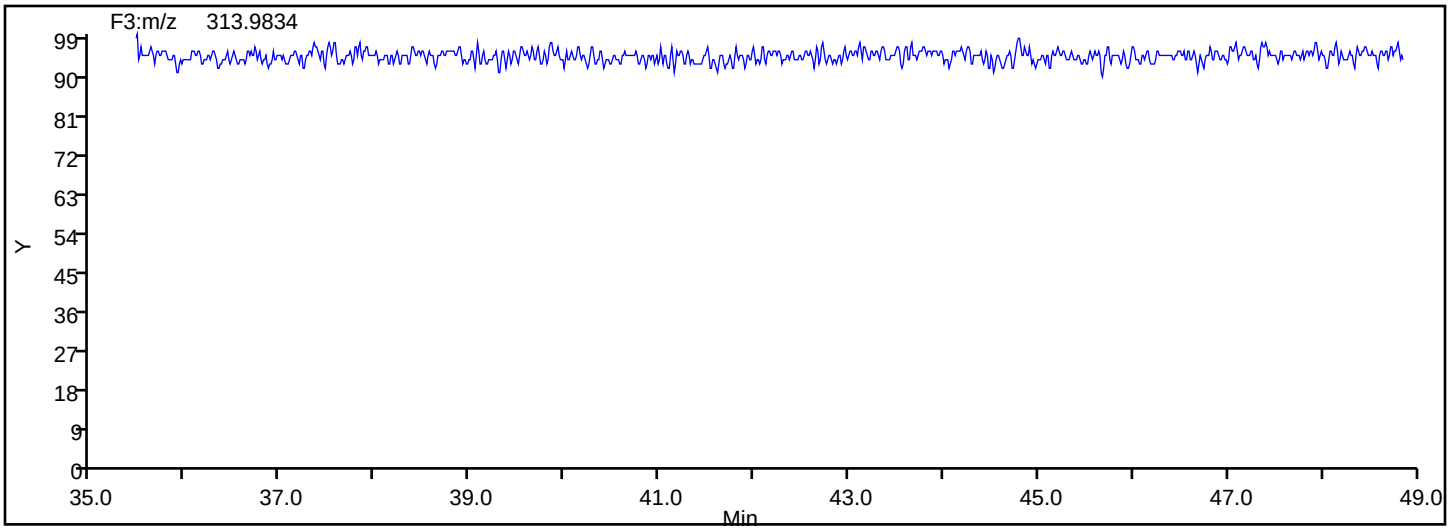
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

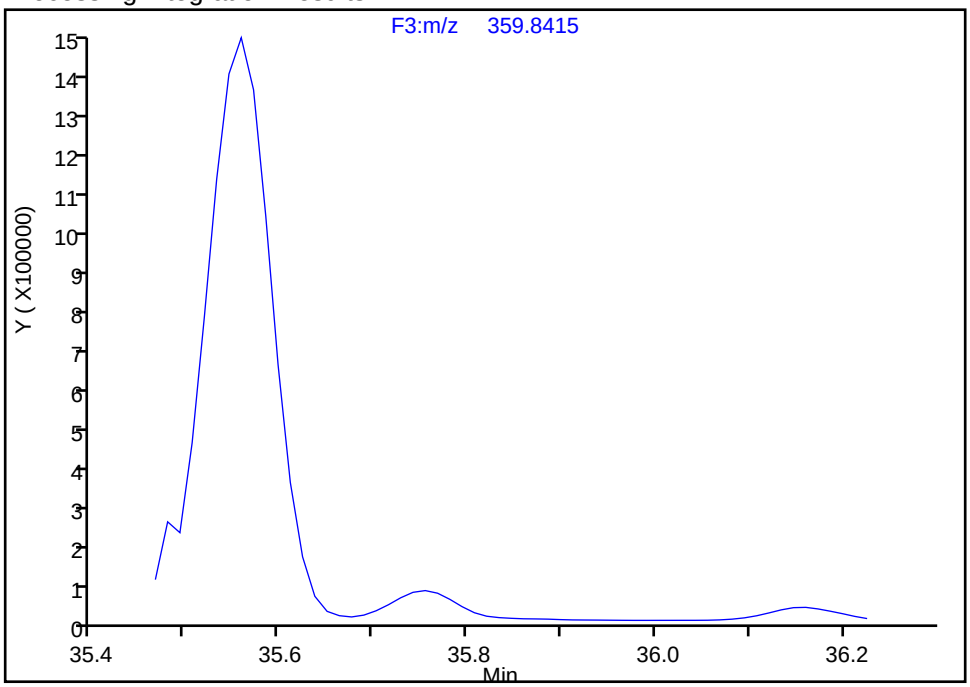
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

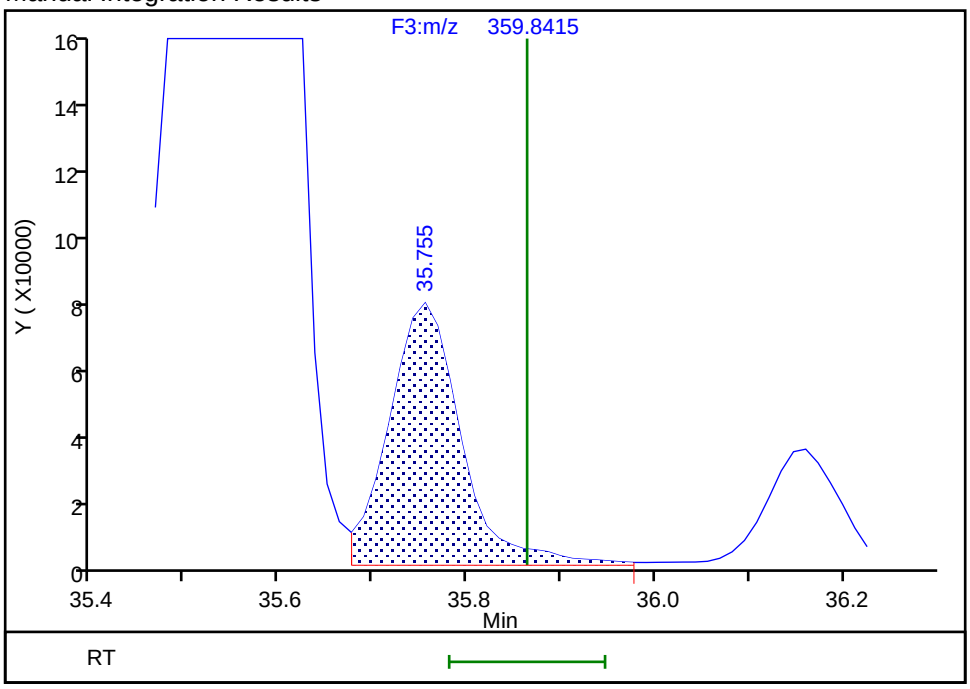
Not Detected
Expected RT: 35.86

Processing Integration Results




Manual Integration Results

RT: 35.75
Area: 407855
Amount: 28.968039
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:21:54
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

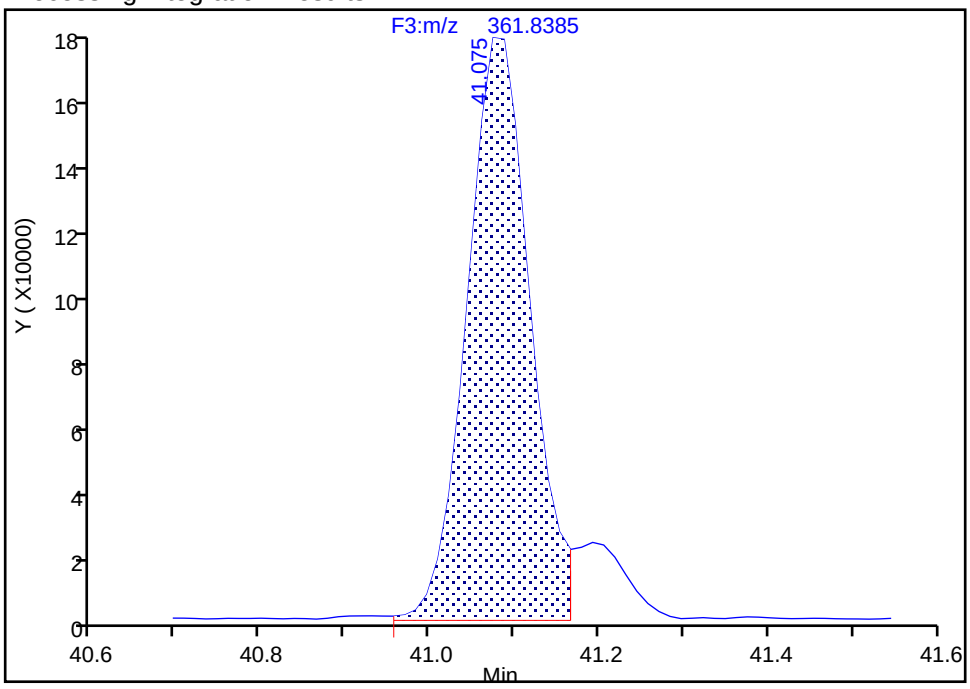
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

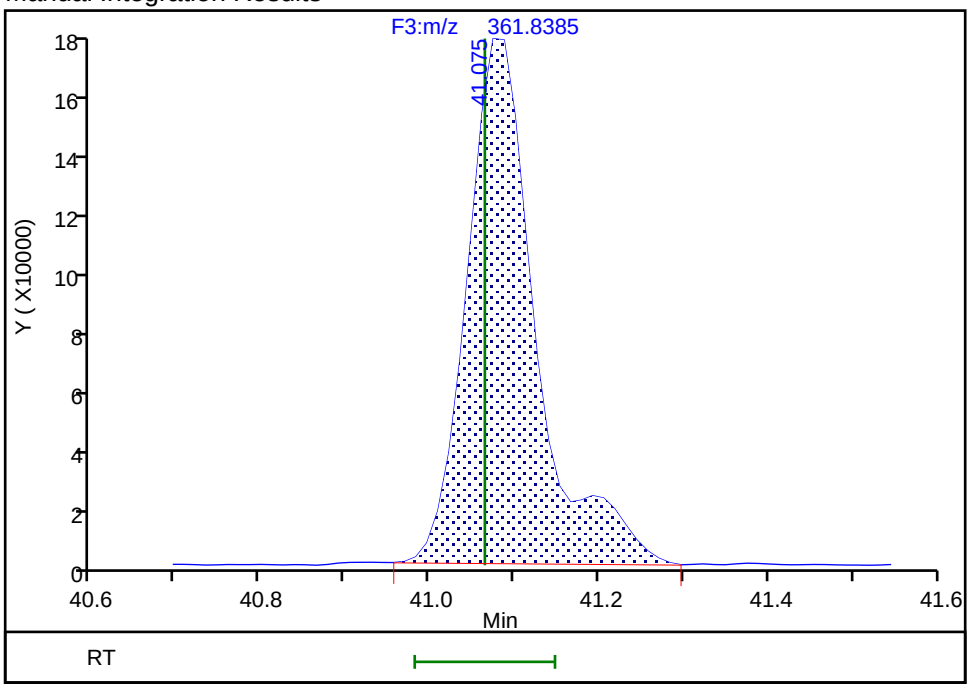
Processing Integration Results

RT: 41.07
Area: 894461
Amount: 65.707362
Amount Units: pg/ul




Manual Integration Results

RT: 41.07
Area: 978963
Amount: 68.290569
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:22:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

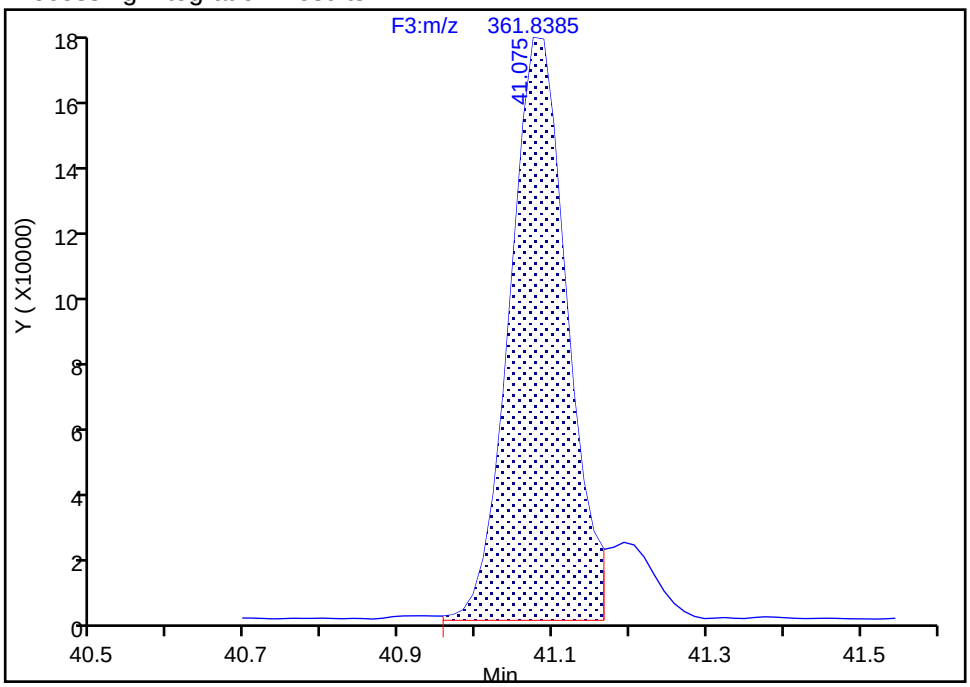
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 3

Processing Integration Results

RT: 41.09
Area: 2149423
Amount: 65.707362
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 2233925
Amount: 68.290569
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 20:22:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

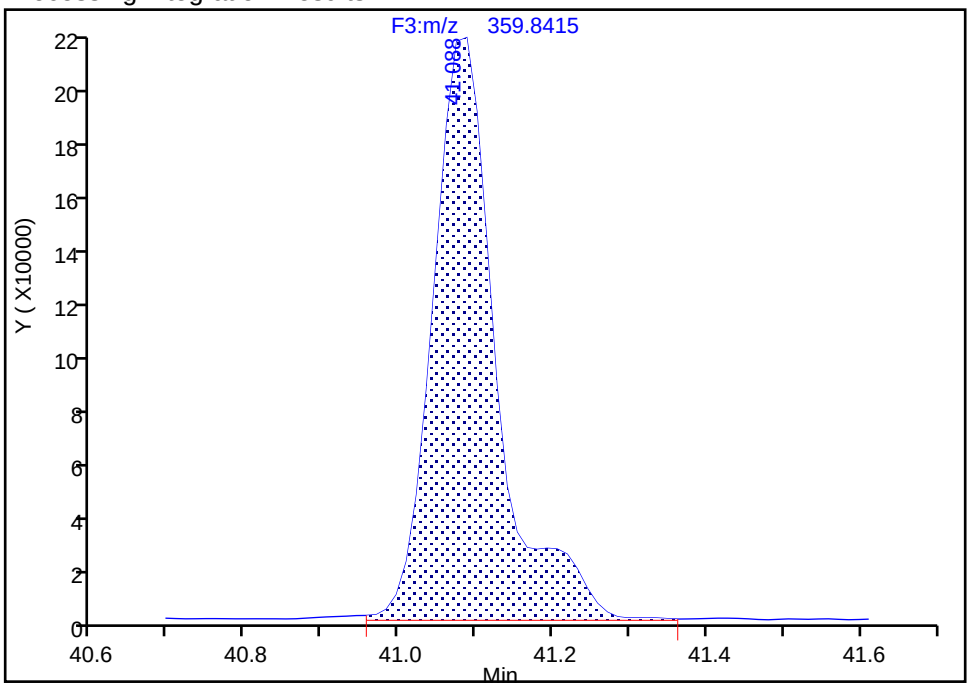
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

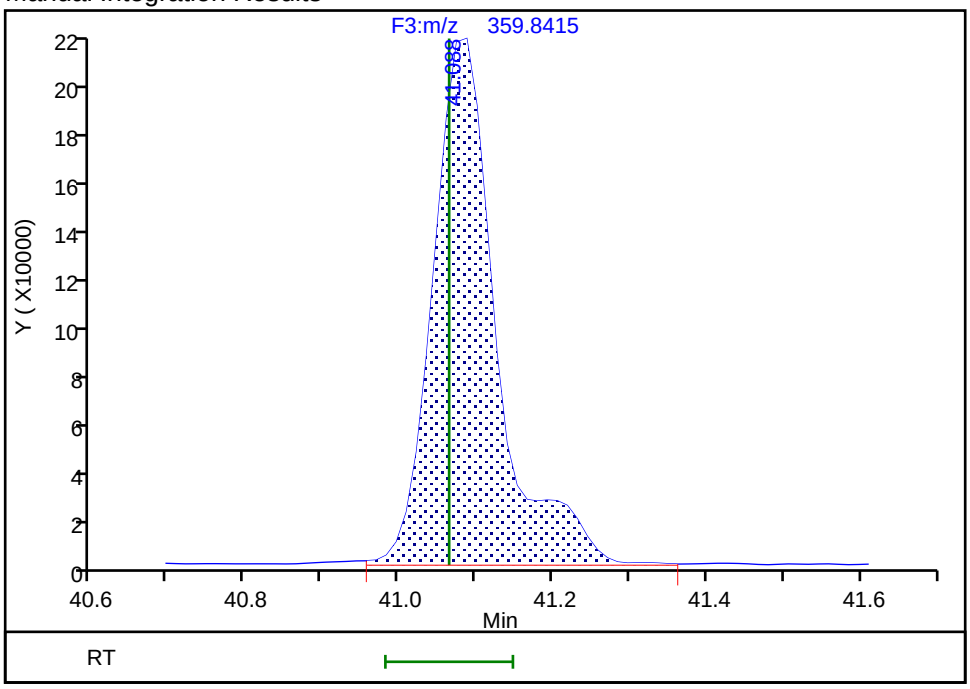
Processing Integration Results

RT: 41.09
Area: 1254962
Amount: 65.707362
Amount Units: pg/ul




Manual Integration Results

RT: 41.09
Area: 1254962
Amount: 68.290569
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:22:35

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

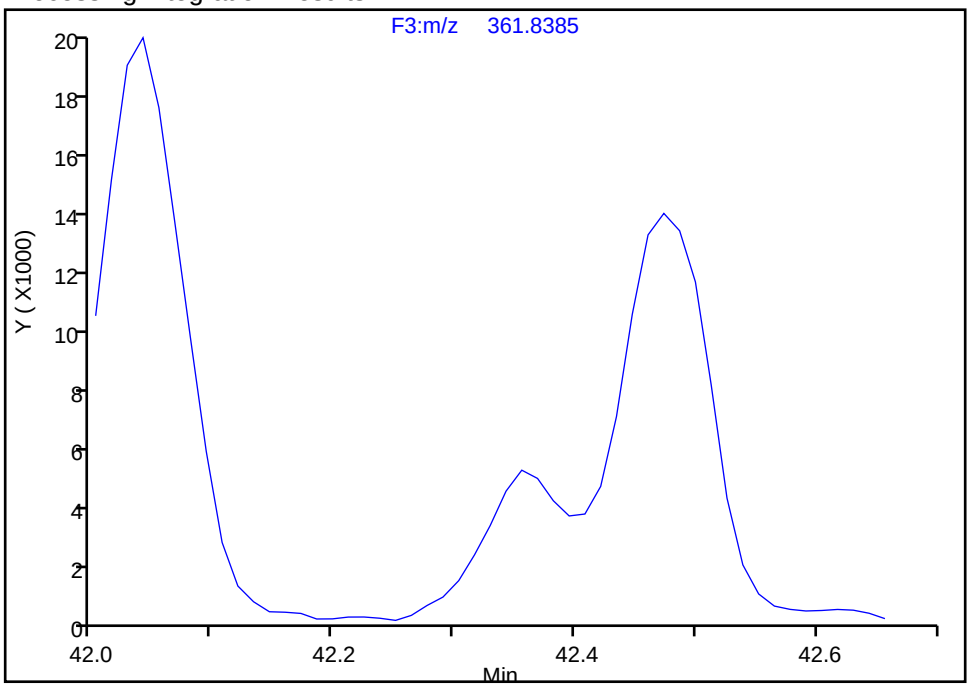
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

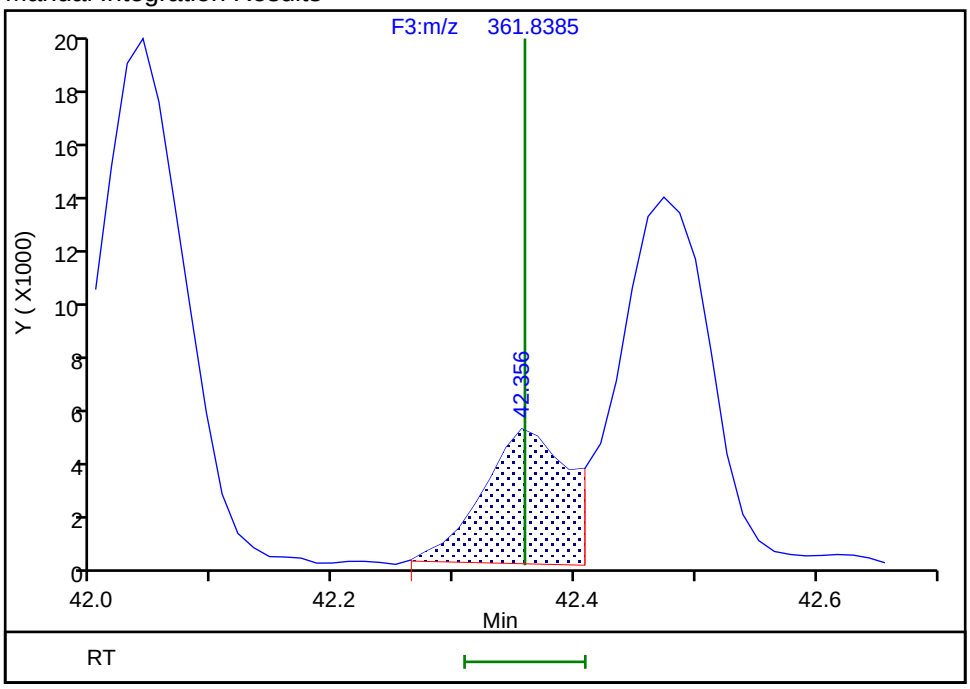
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.36
Area: 23684
Amount: 1.342451
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 20:23:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

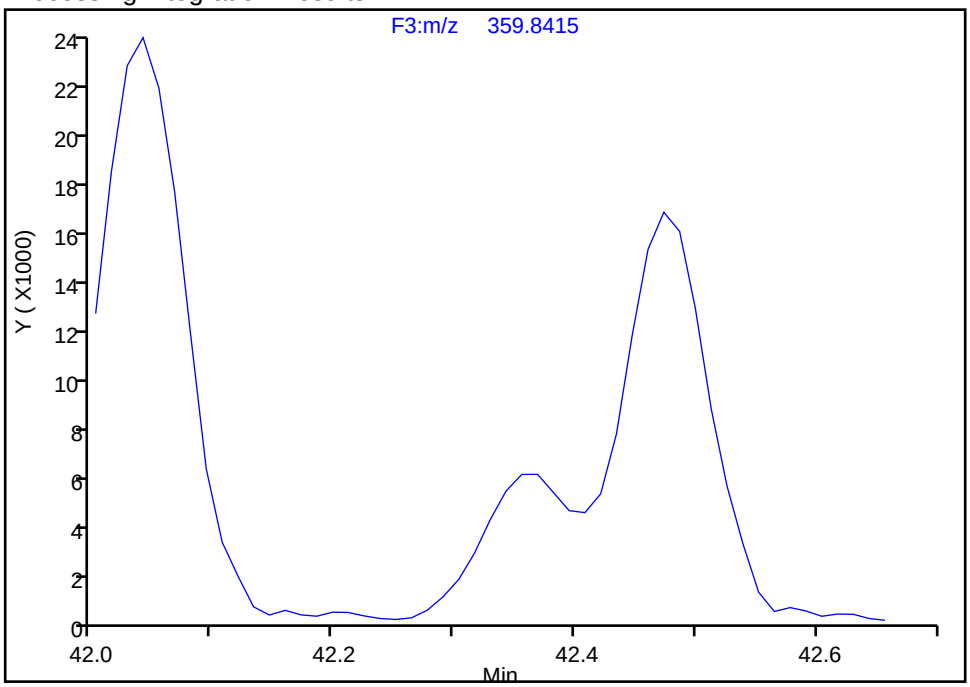
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-C | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

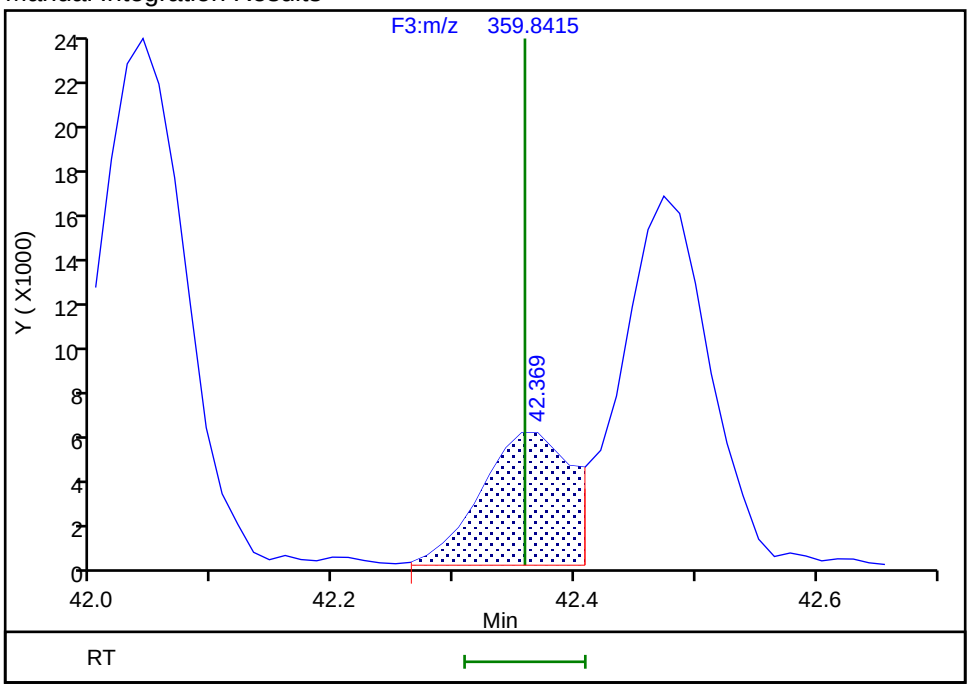
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.37
Area: 29898
Amount: 1.342451
Amount Units: pg/ul

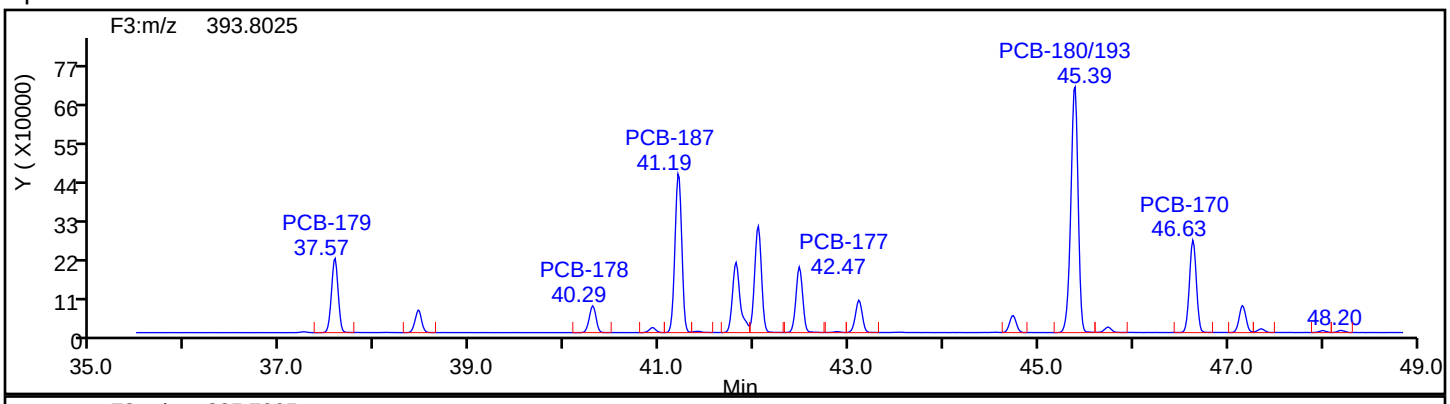


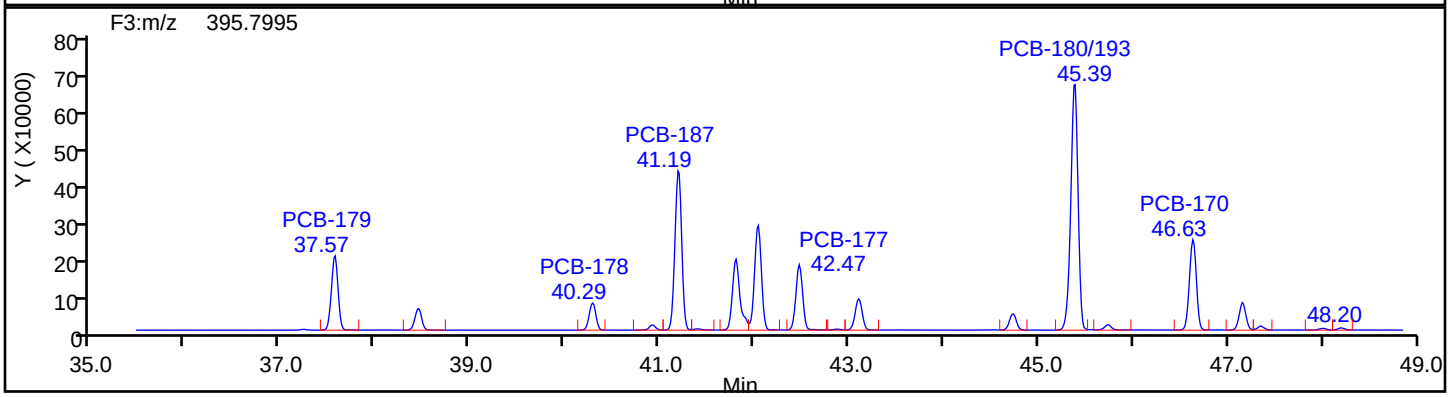

Reviewer: mcwhirterl, 03-Oct-2019 20:23:15
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

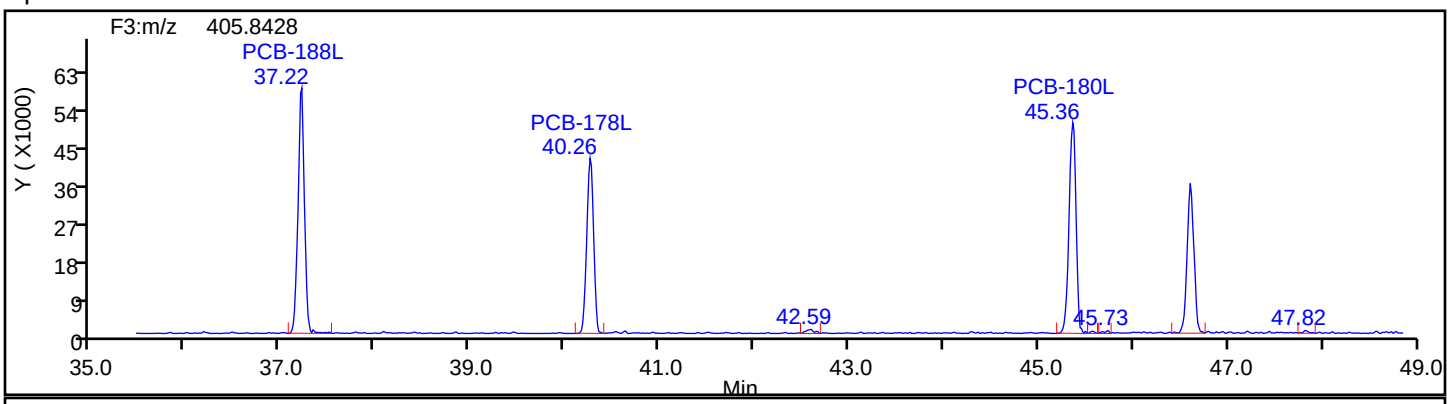
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

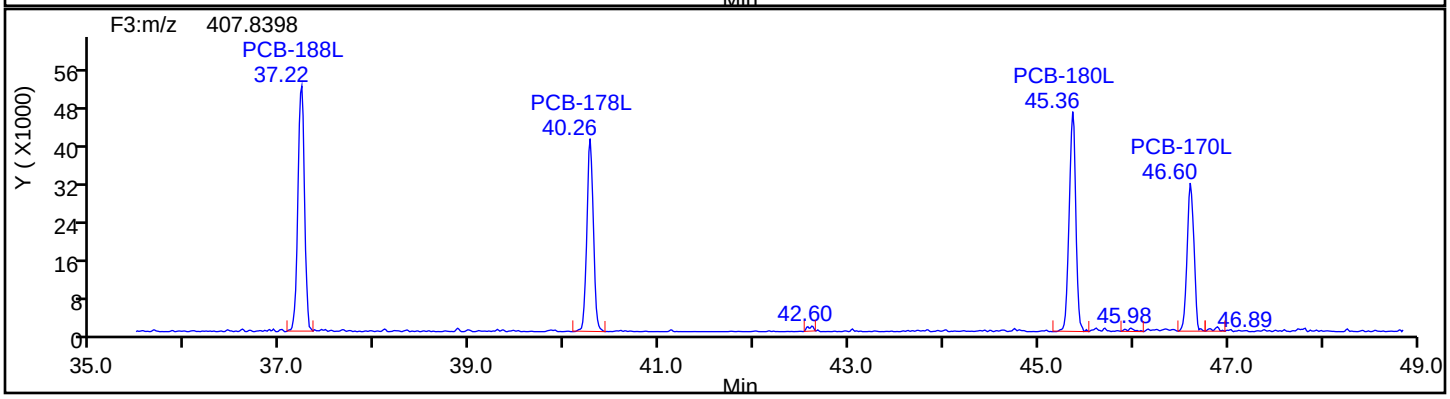
HpPCB F3




HpPCB F3 Standards

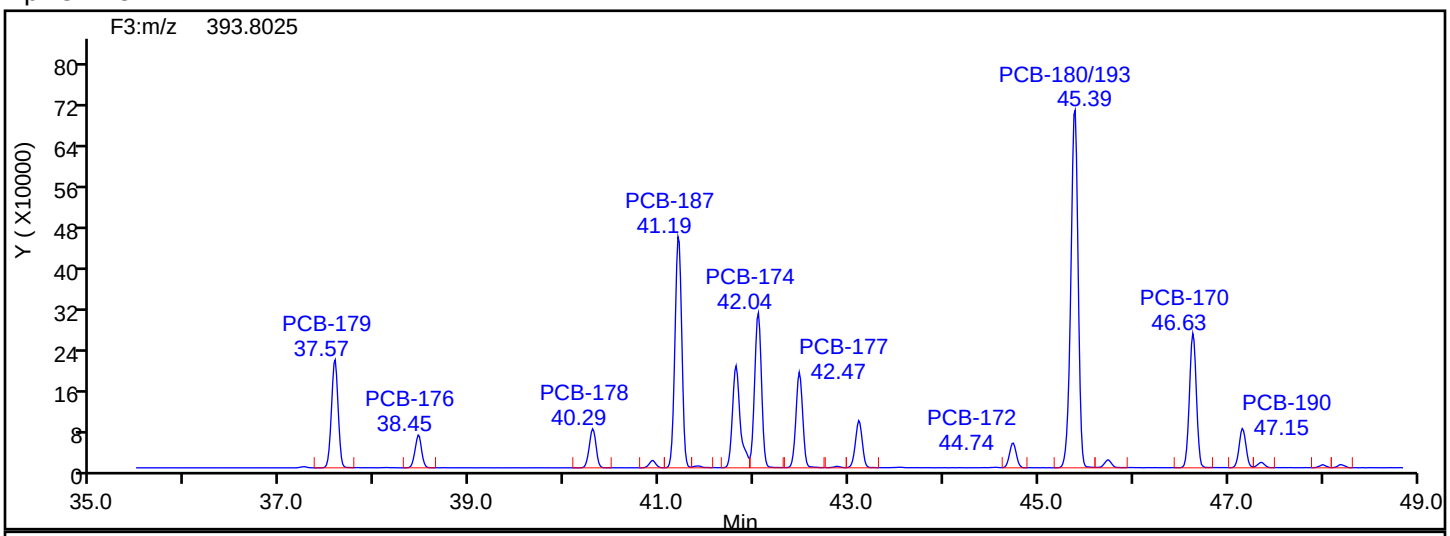


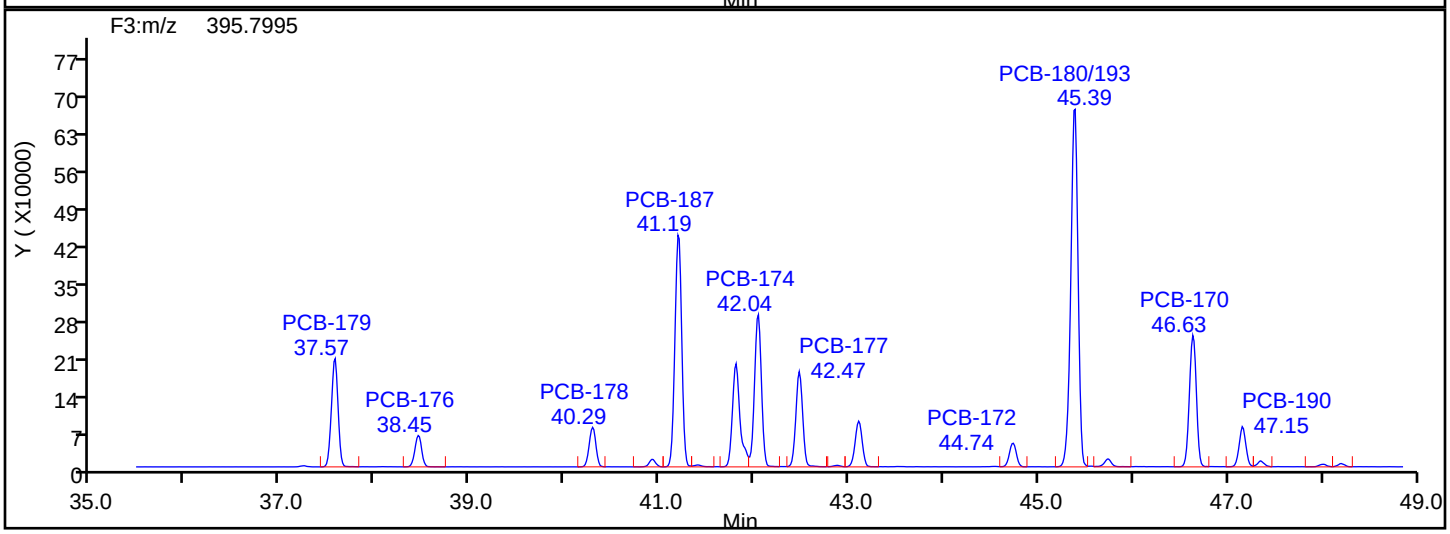



Eurofins TestAmerica, Knoxville

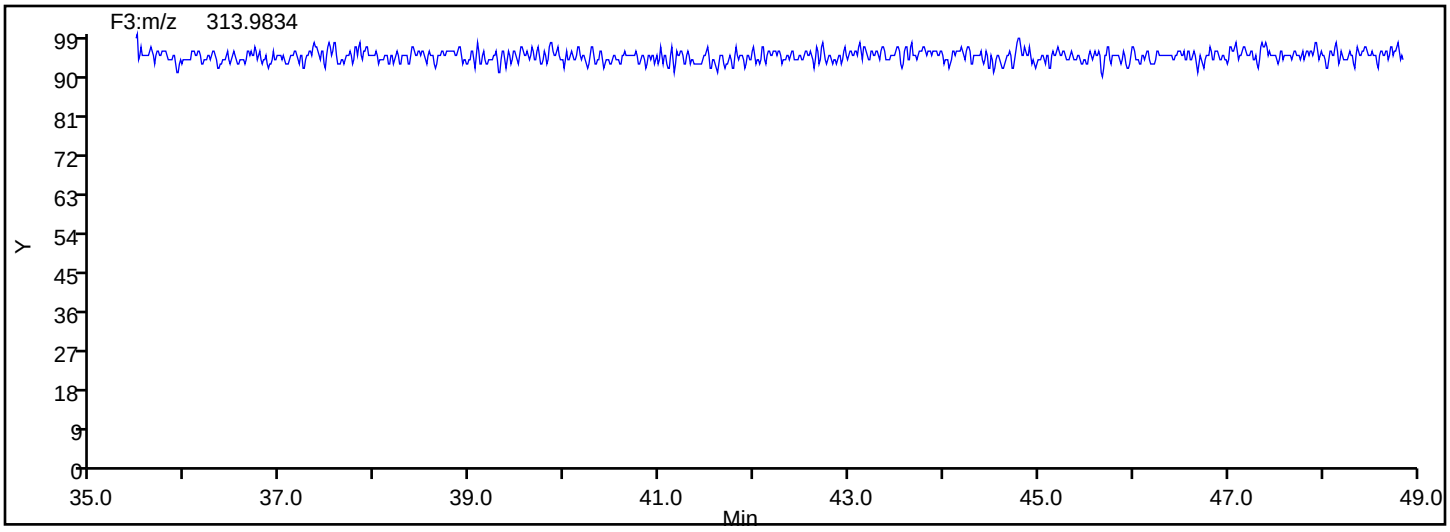
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



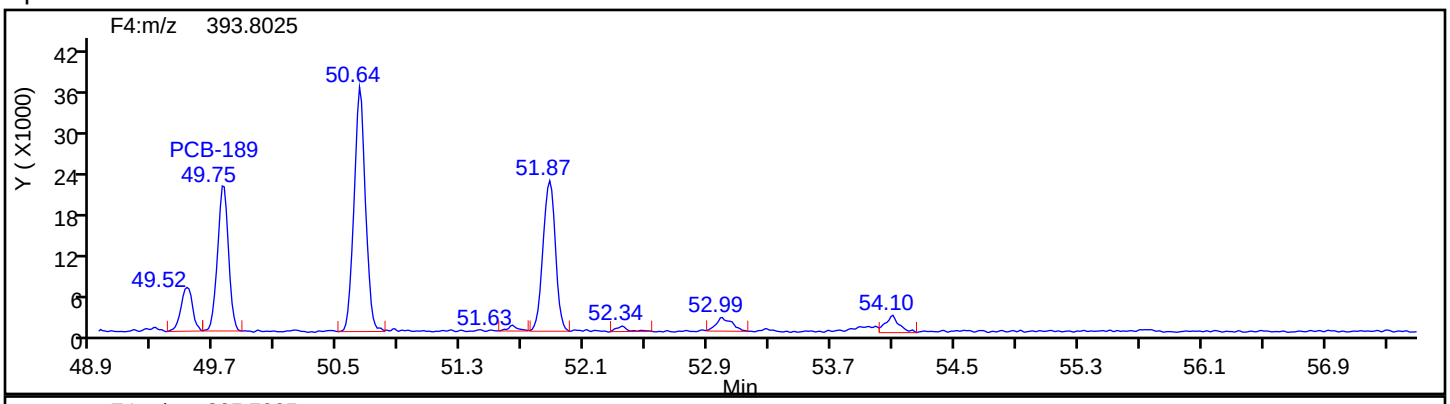

HpPCB F3 Lock Mass

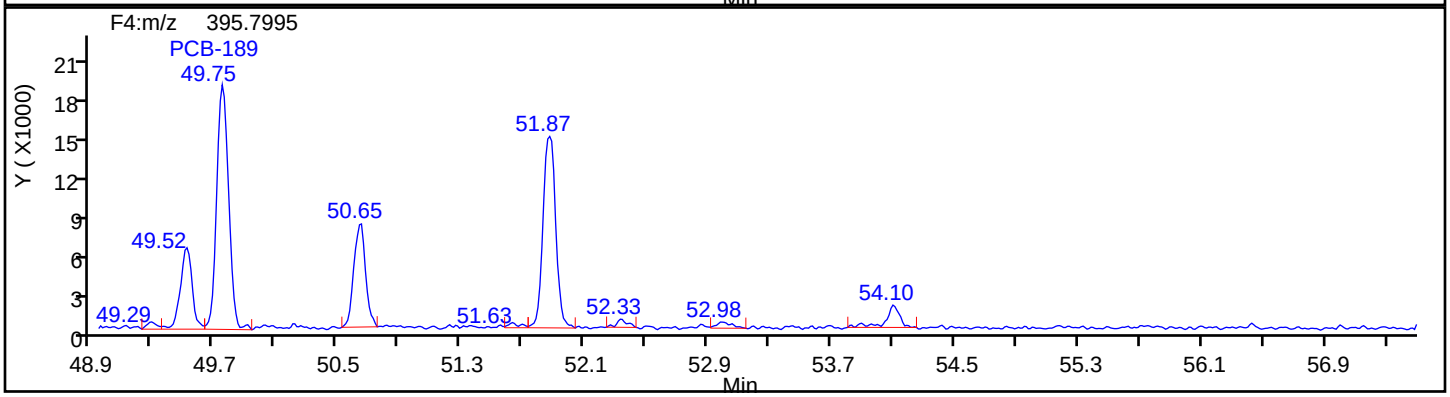


Eurofins TestAmerica, Knoxville

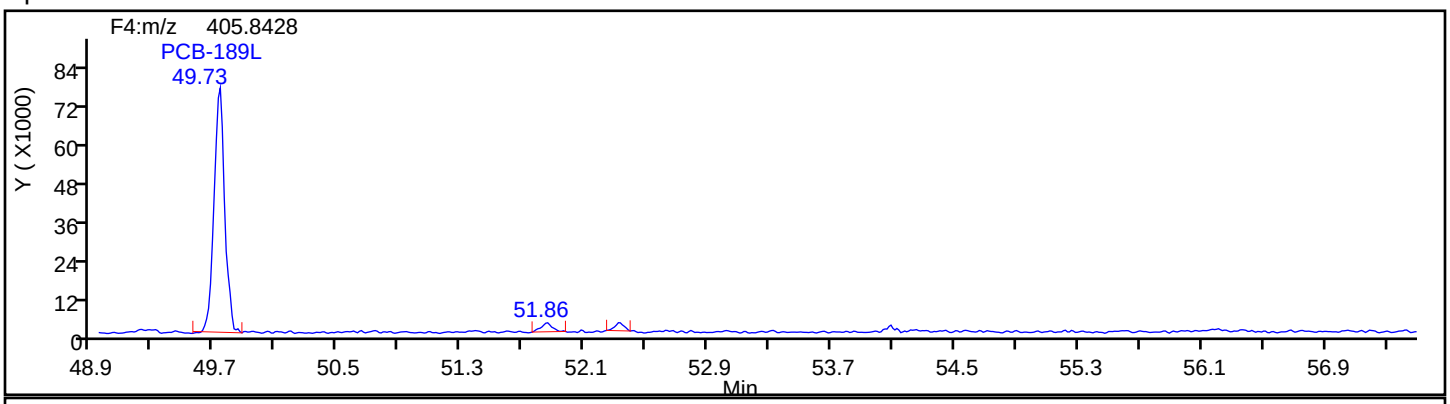
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

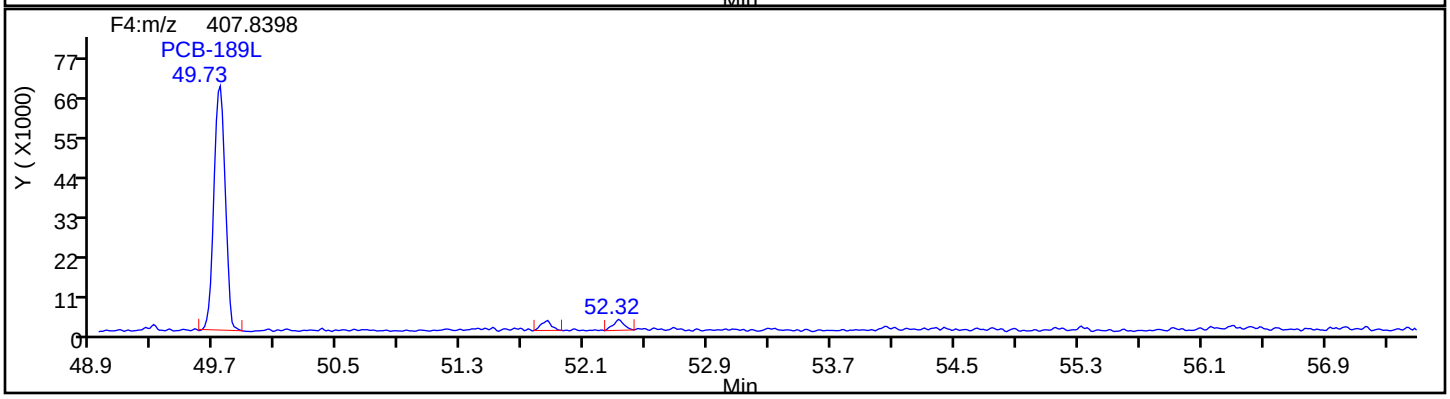
HpPCB F4




HpPCB F4 Standards

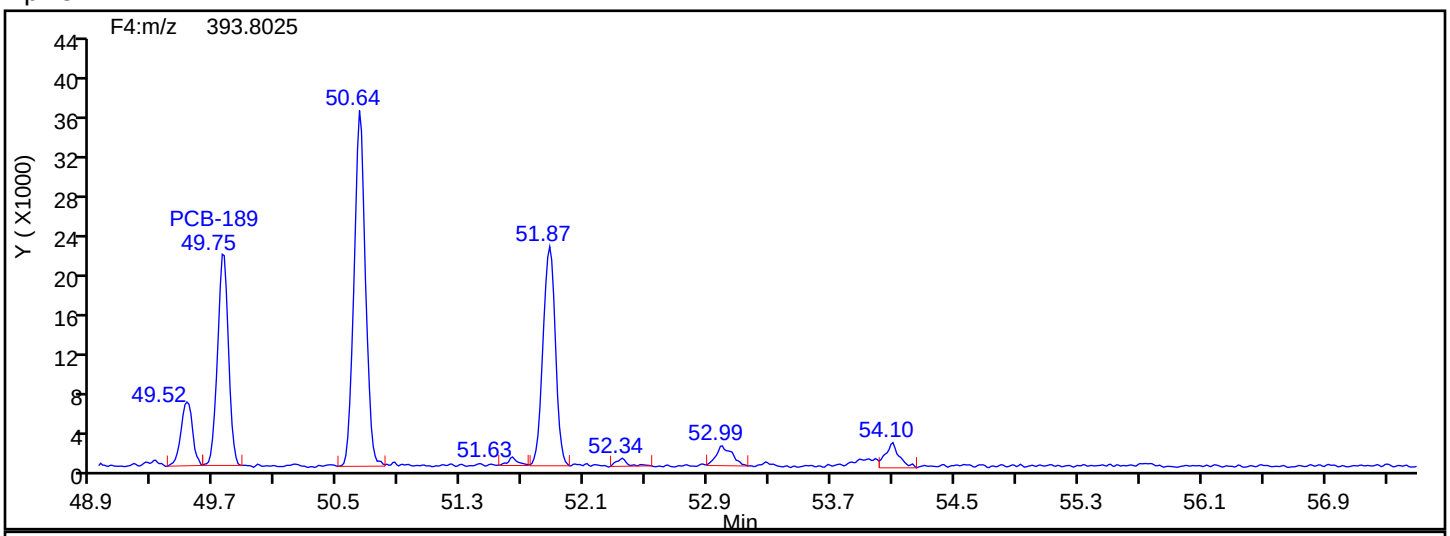


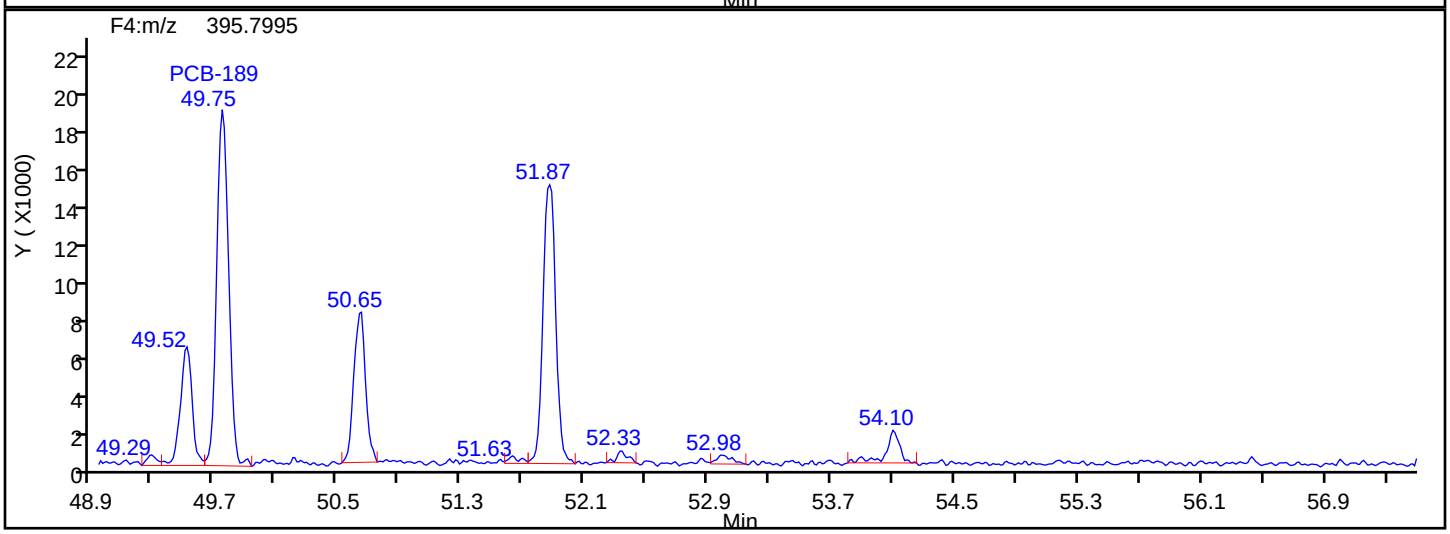



Eurofins TestAmerica, Knoxville

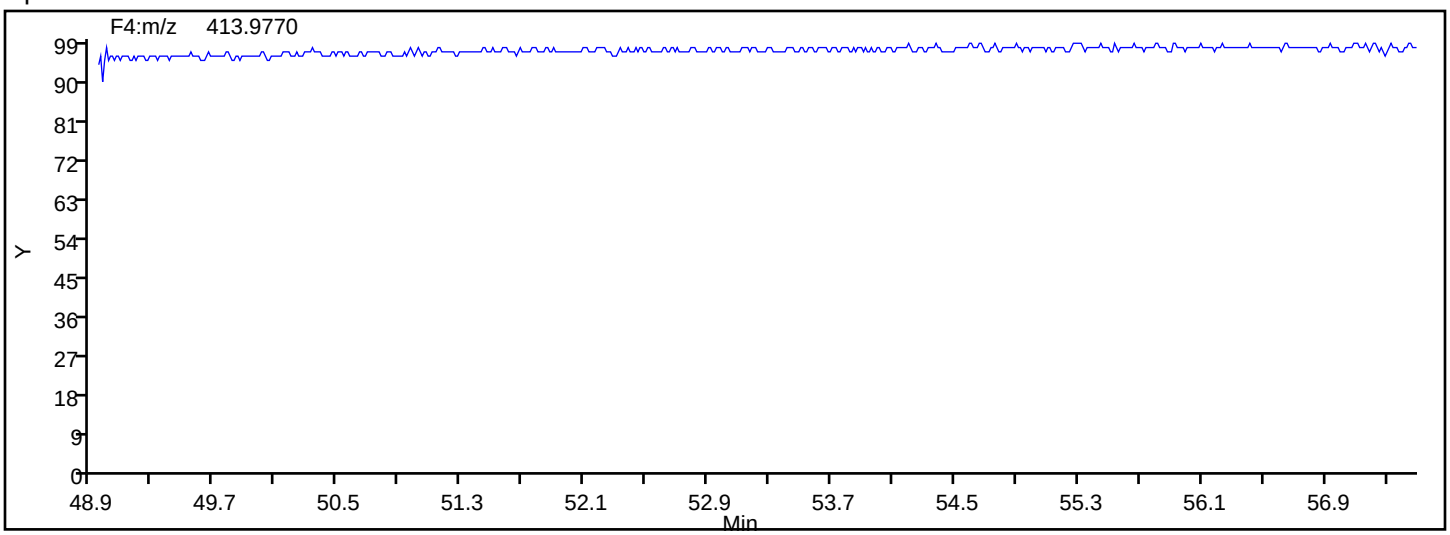
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



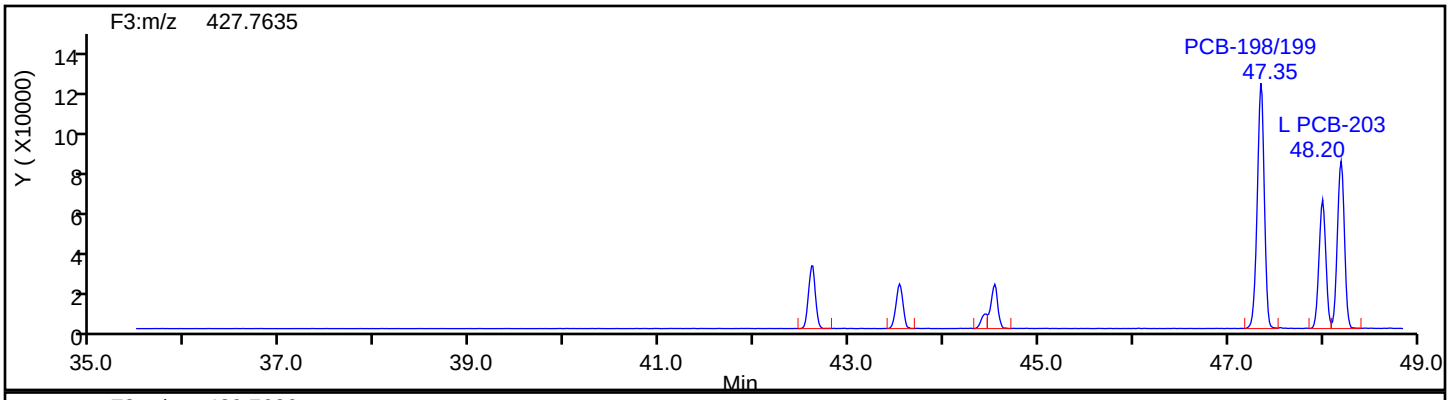

HpPCB F4 Lock Mass

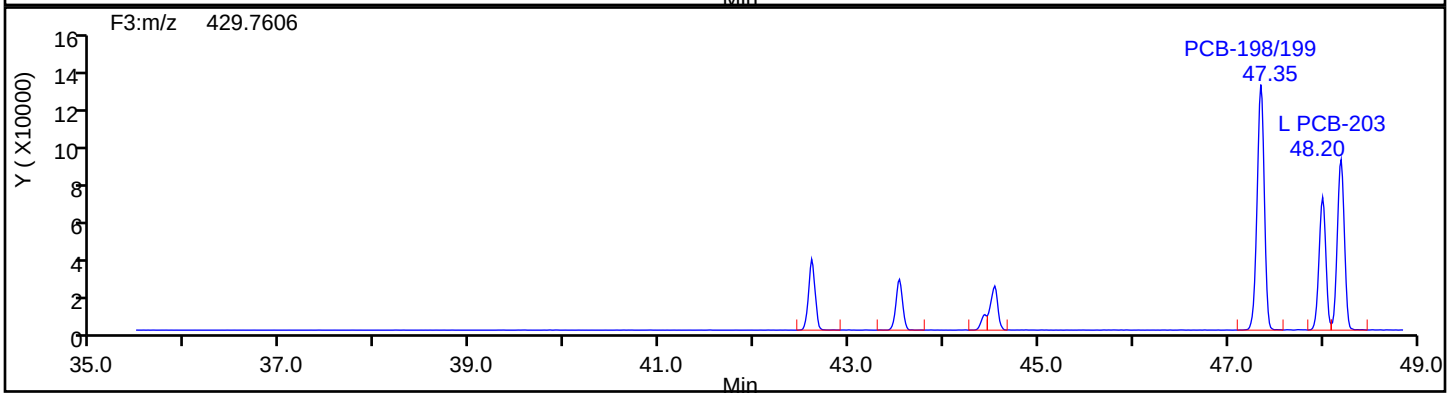


Eurofins TestAmerica, Knoxville

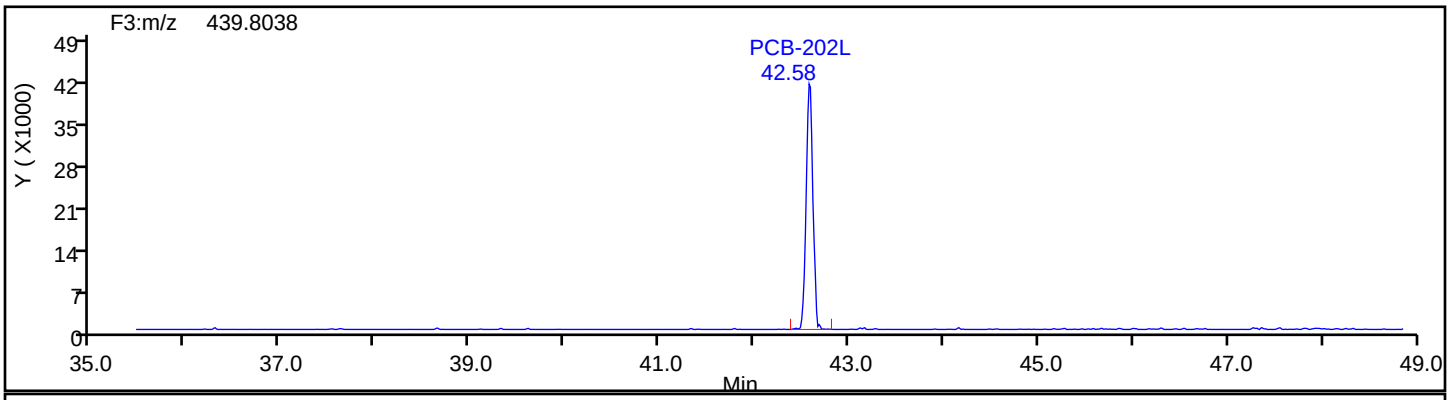
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

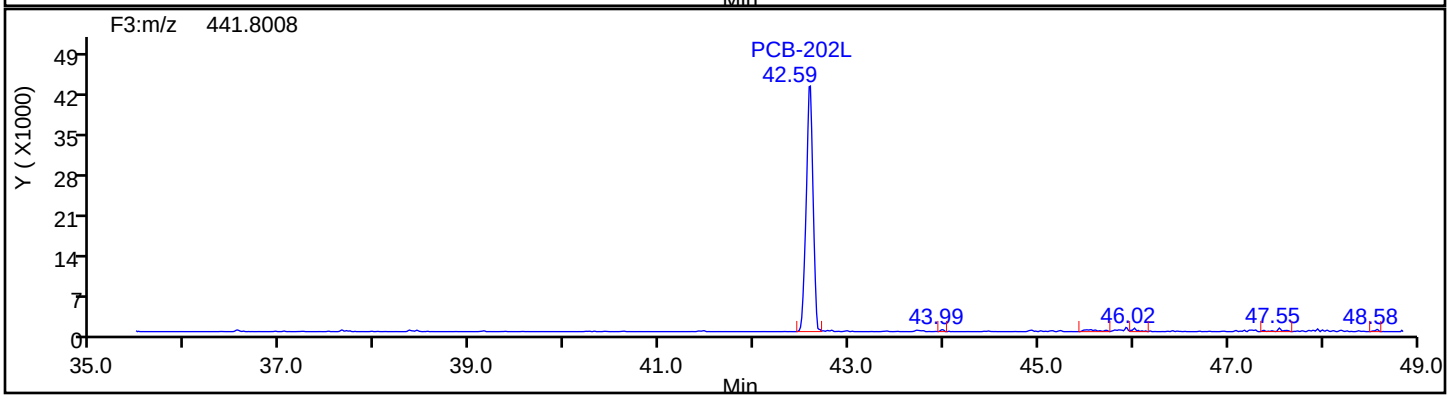
OcPCB F3




OcPCB F3 Standards

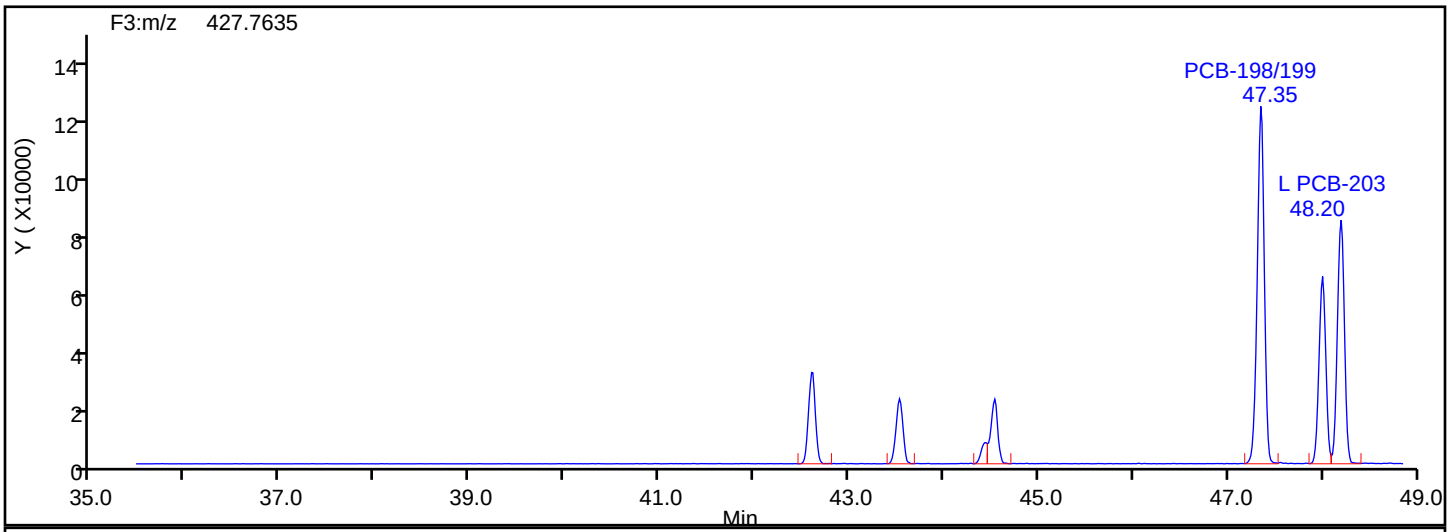


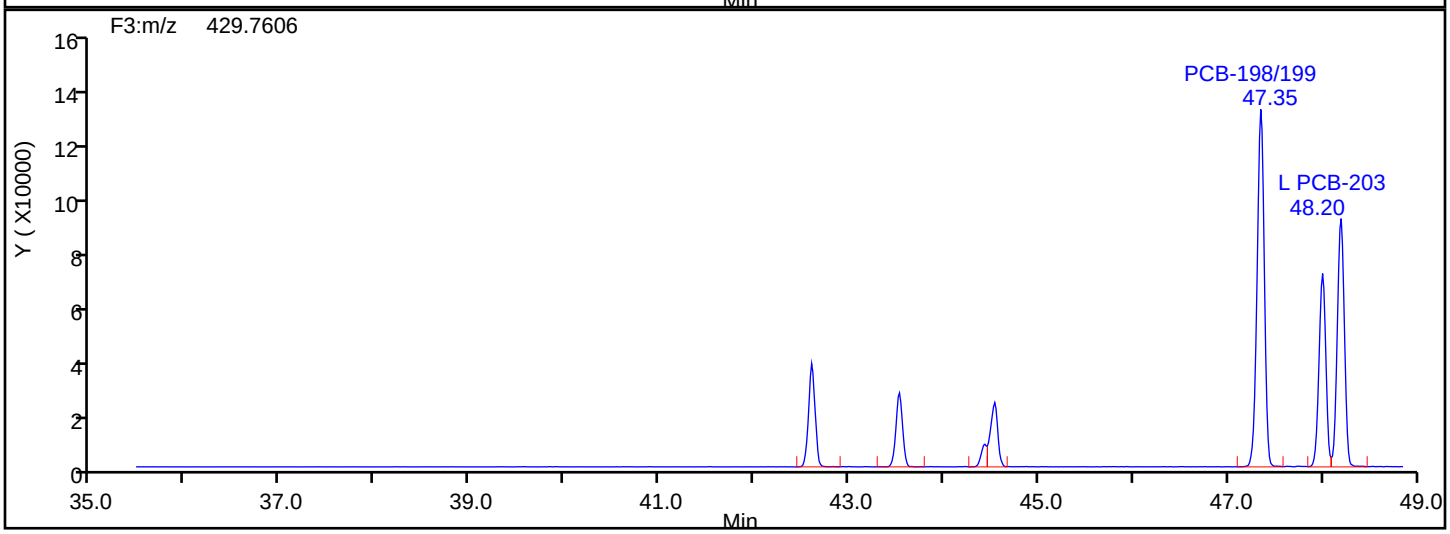



Eurofins TestAmerica, Knoxville

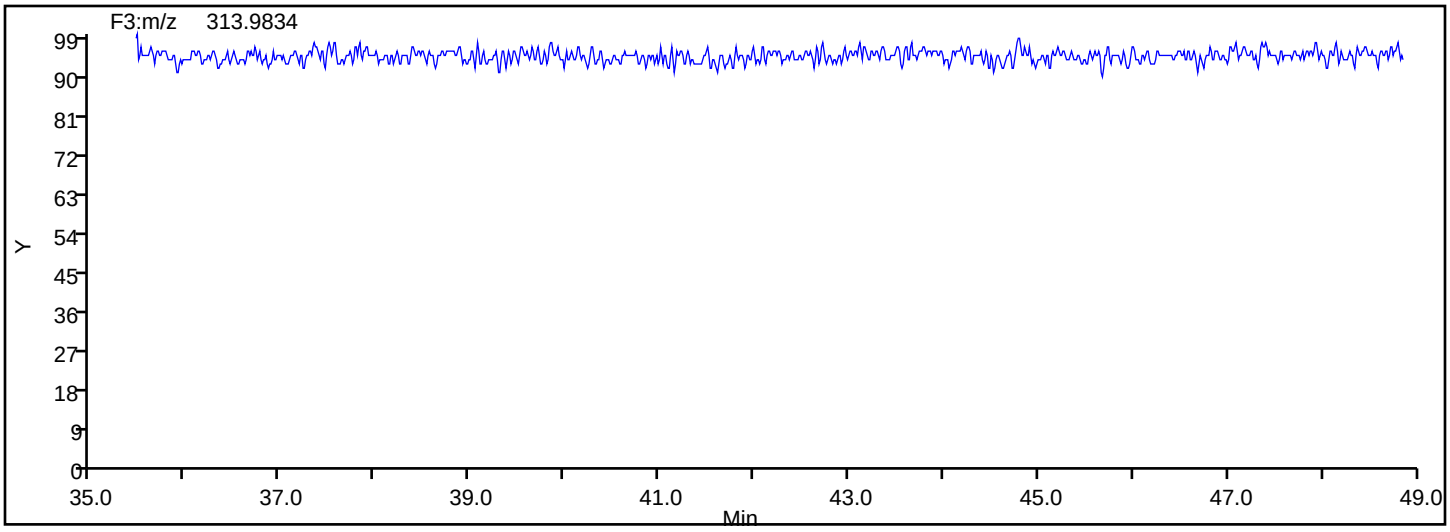
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass

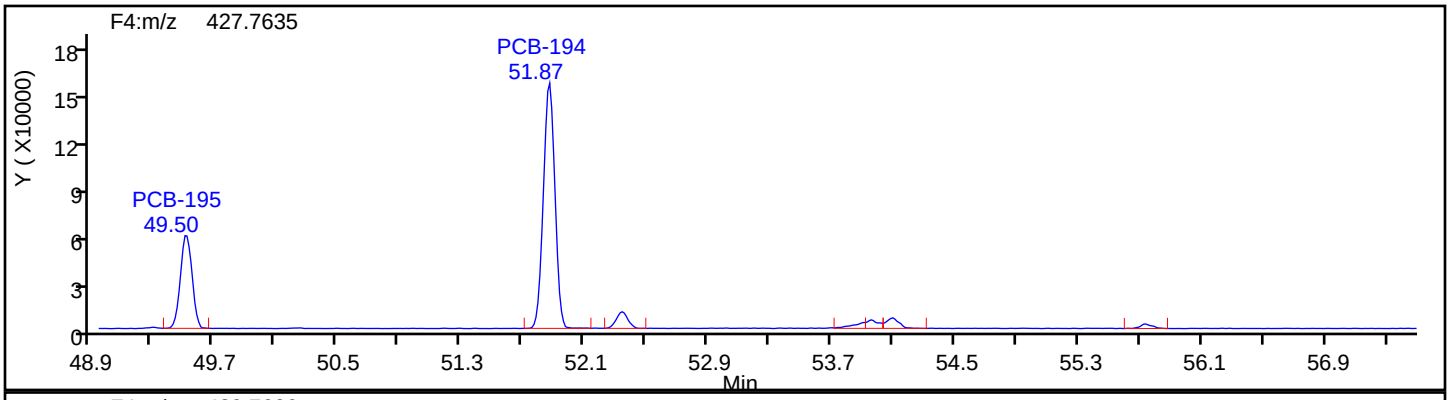


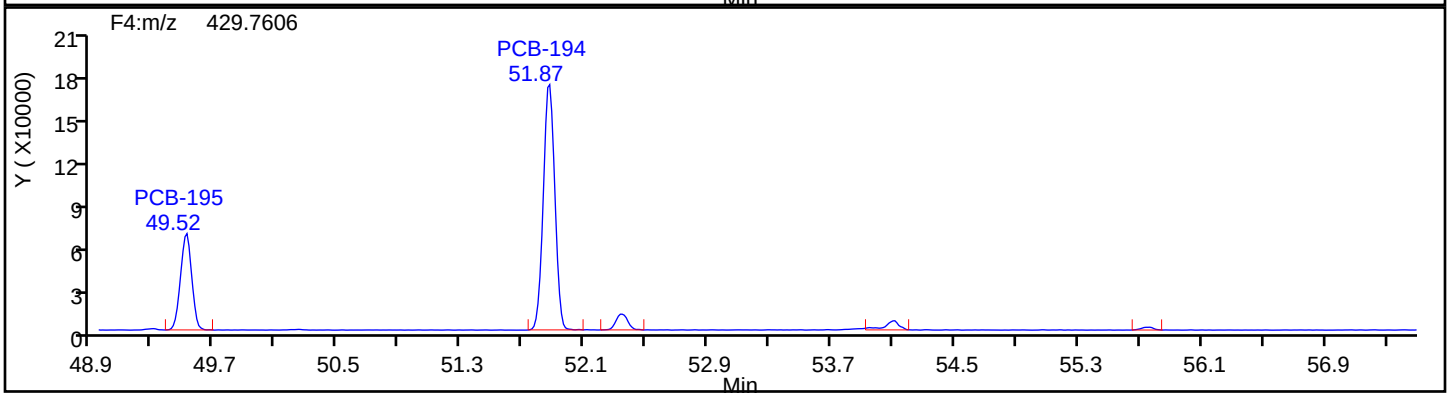
Report Date: 04-Oct-2019 00:00:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

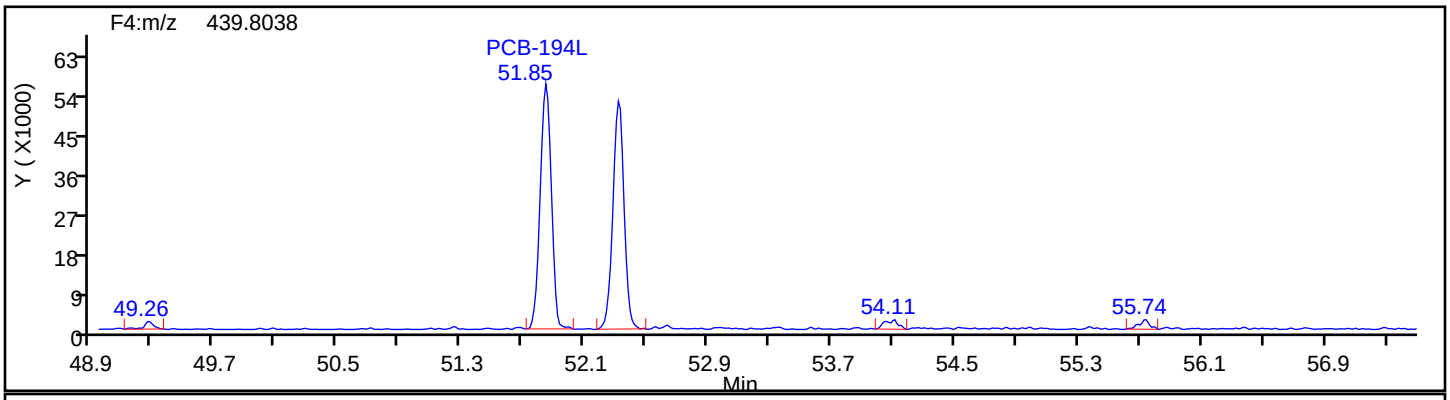
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

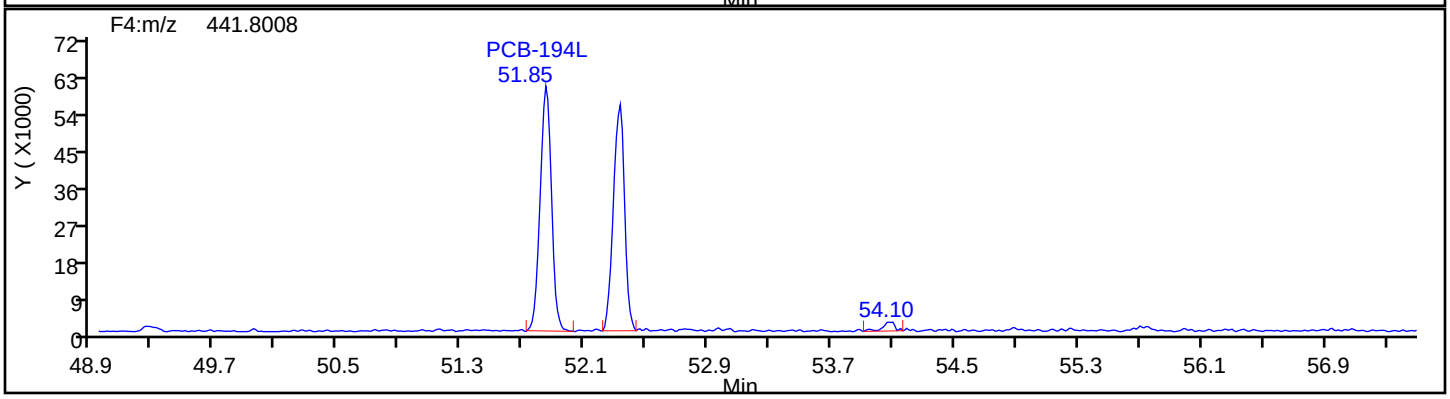
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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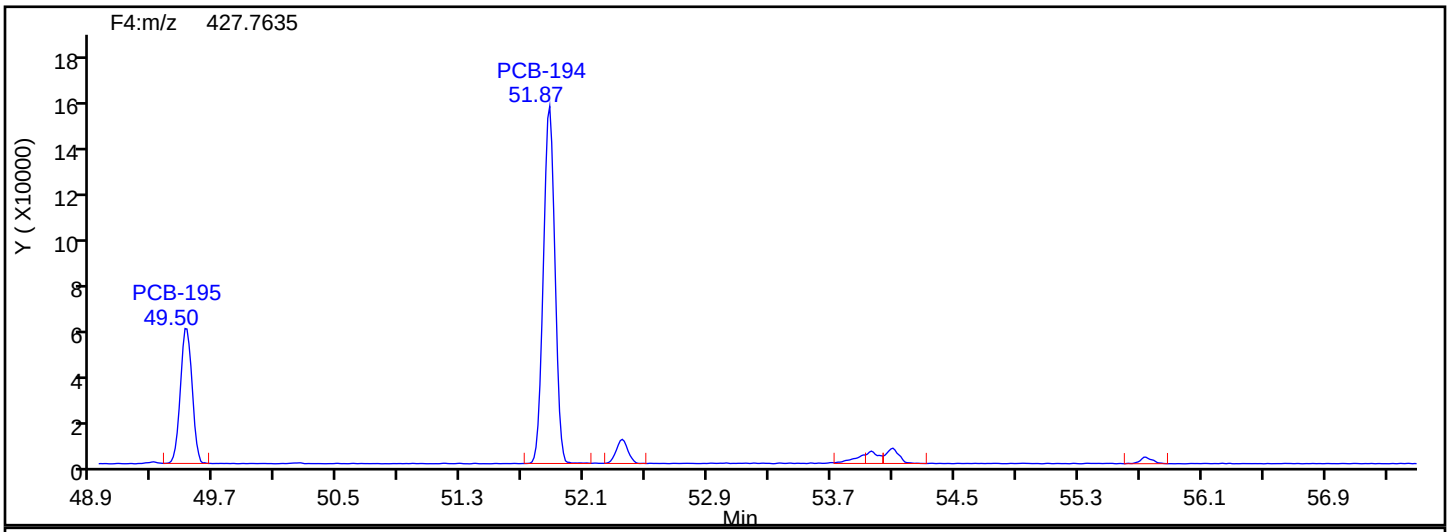
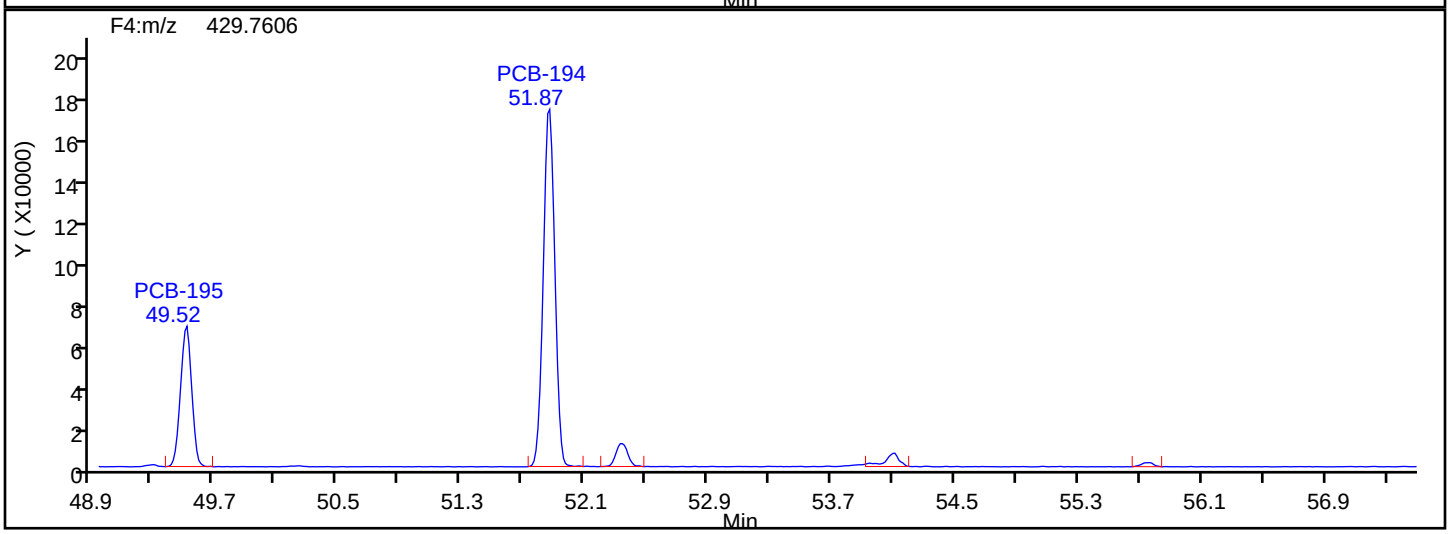
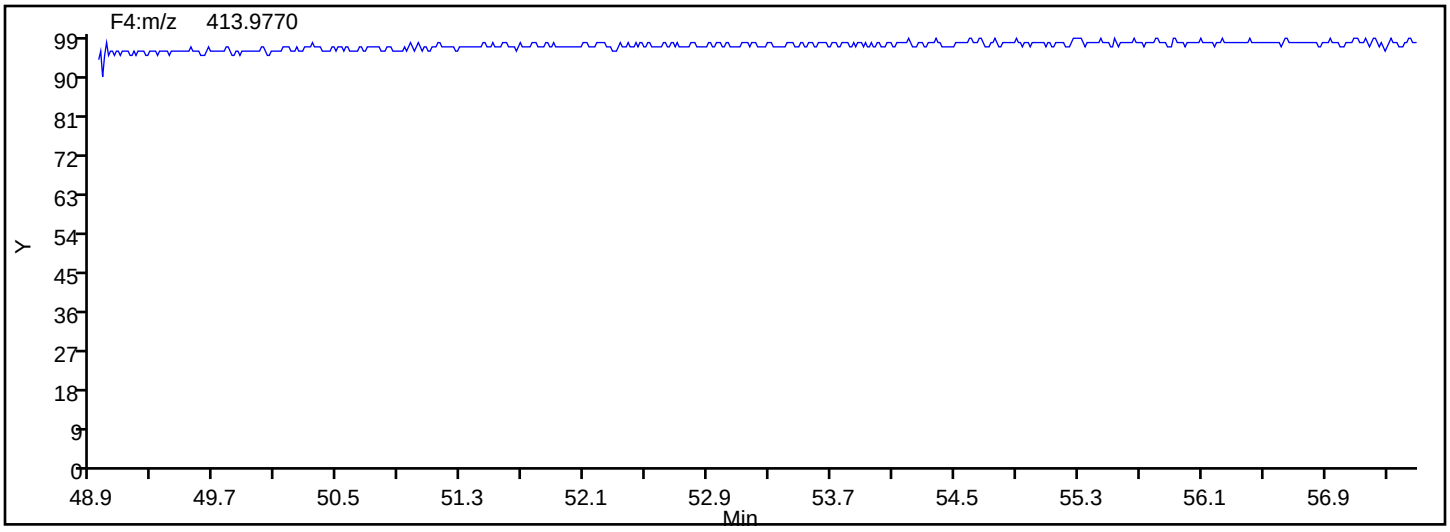
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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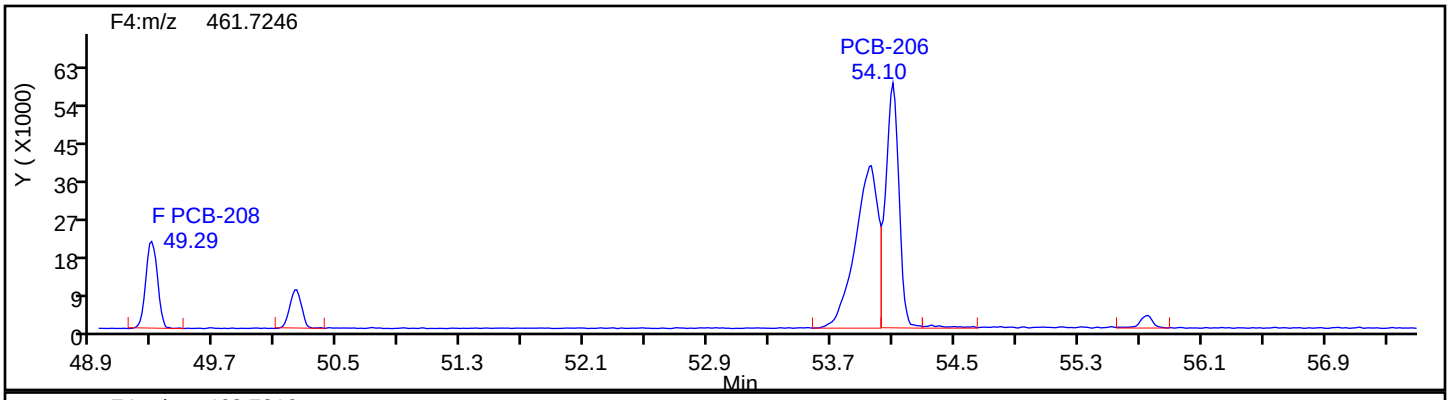
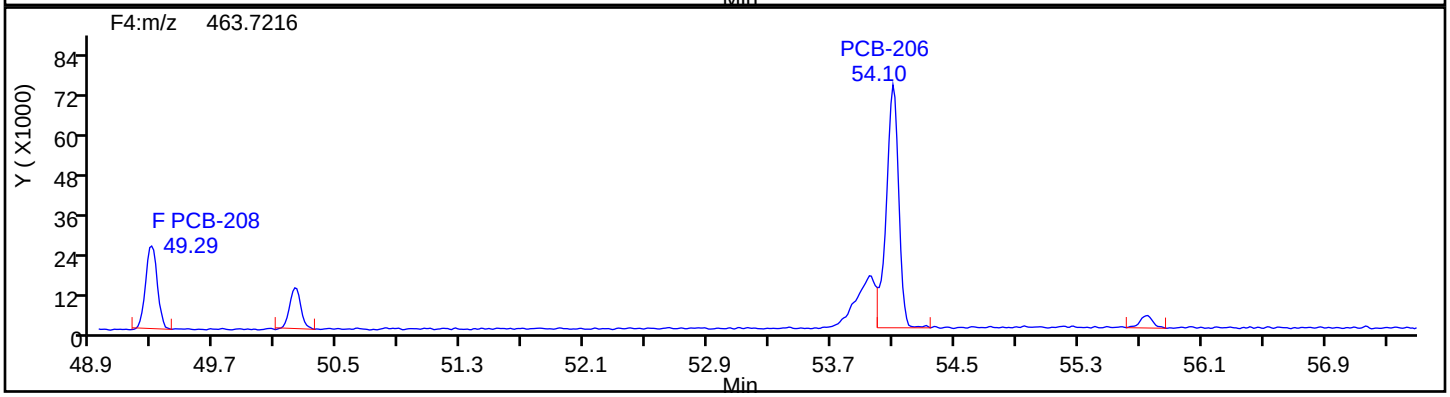
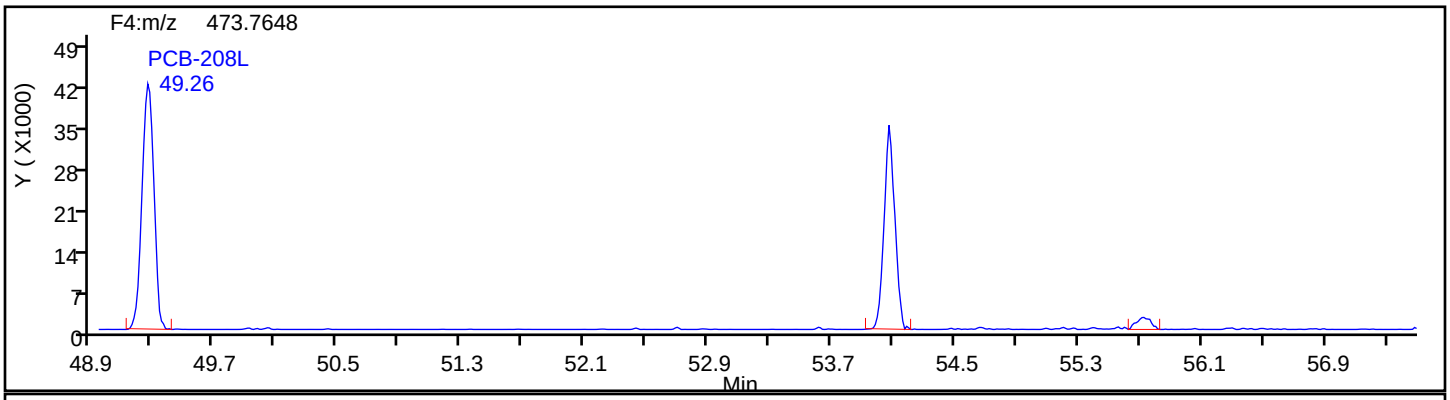
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

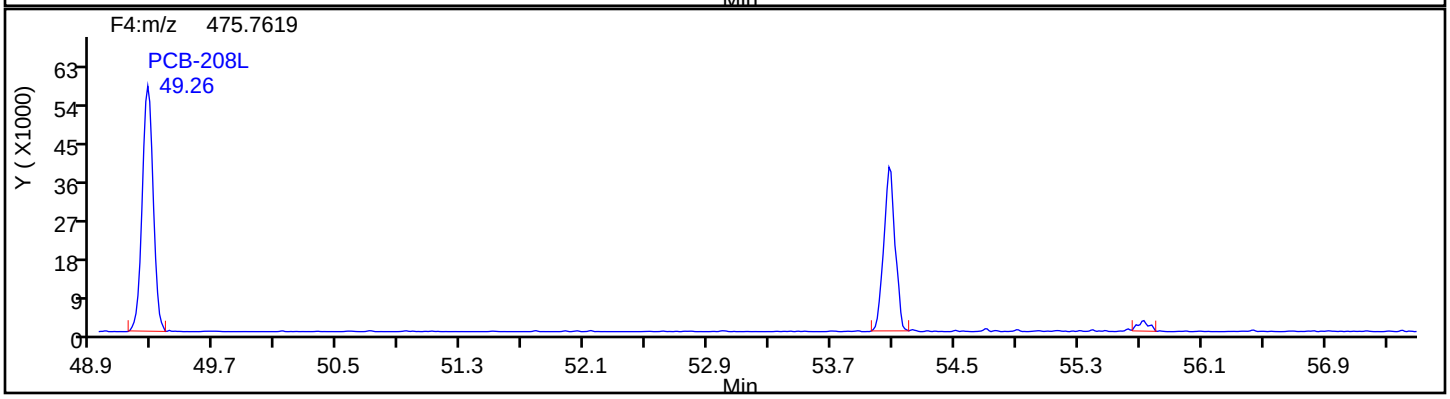
NoPCB F4




NoPCB F4 Standards

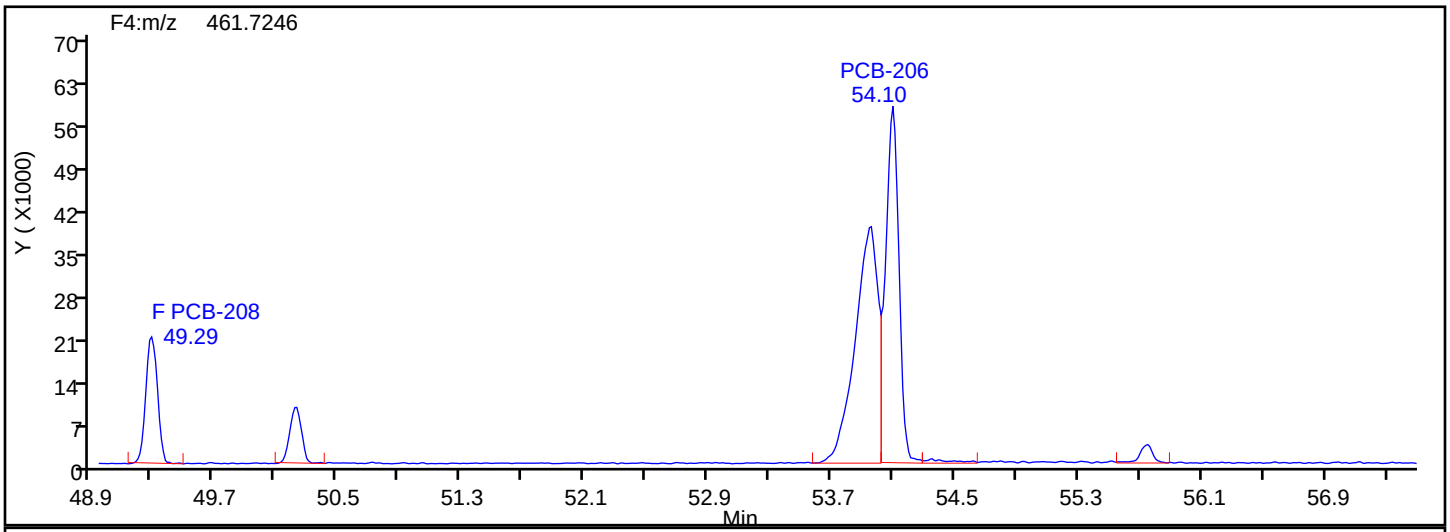


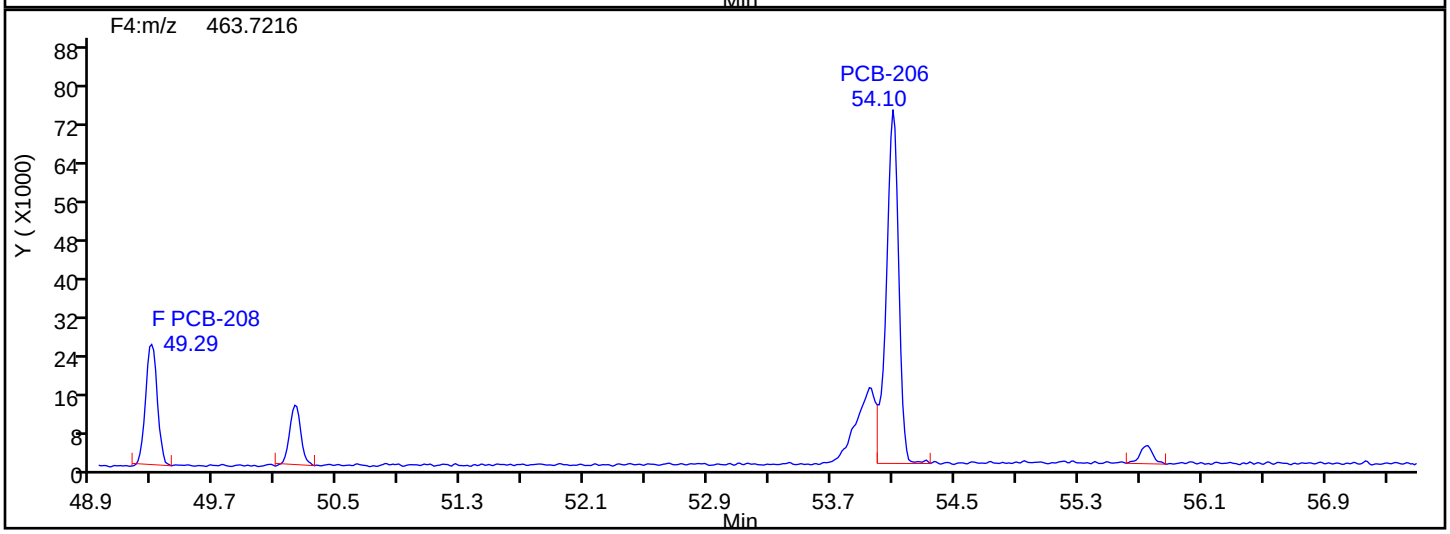



Eurofins TestAmerica, Knoxville

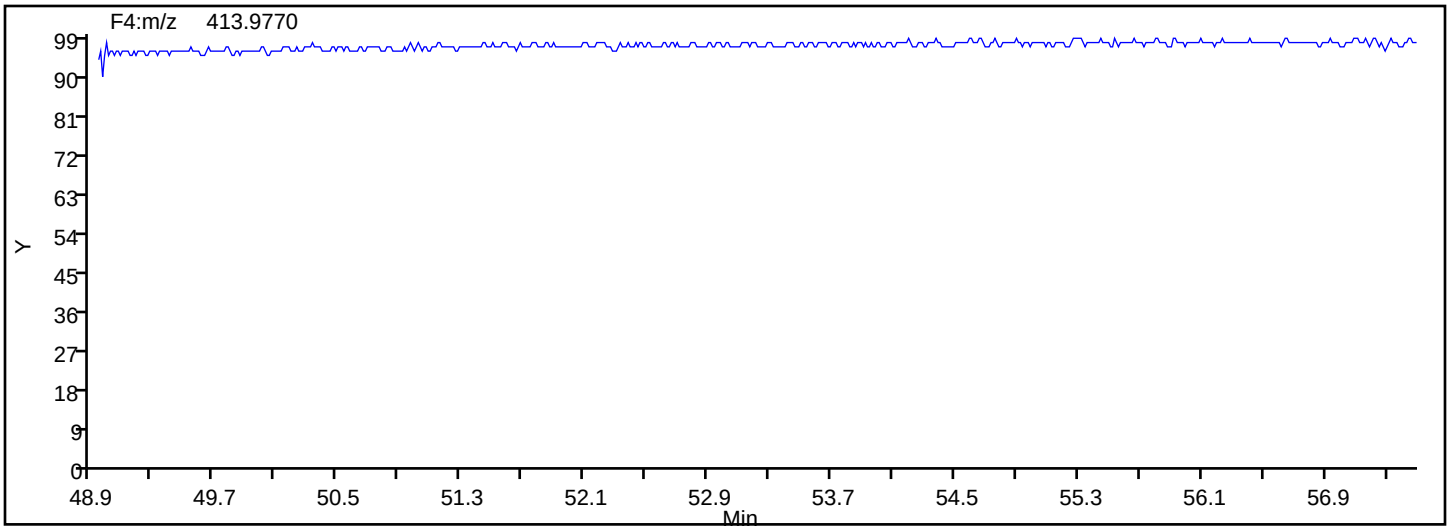
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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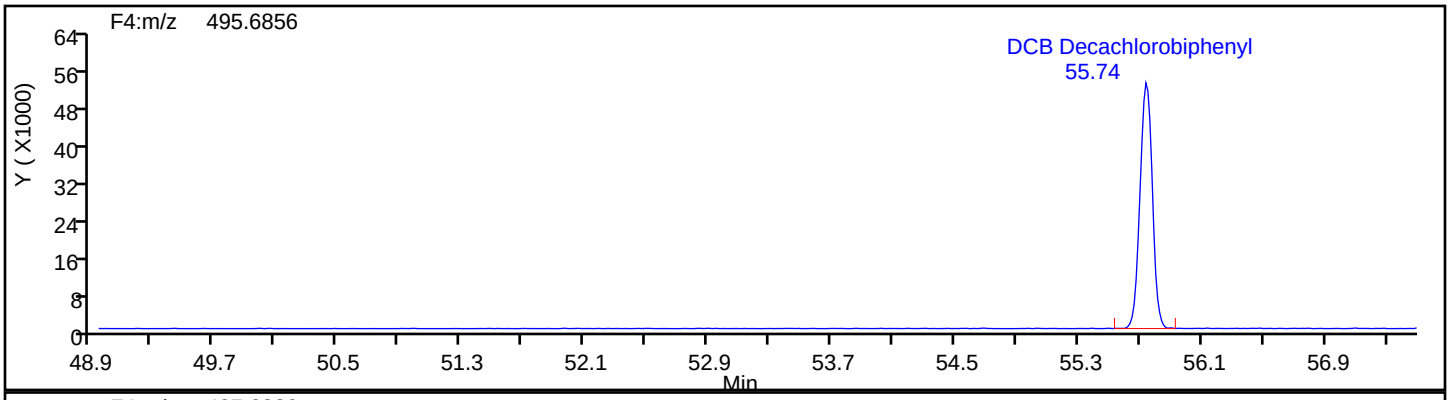
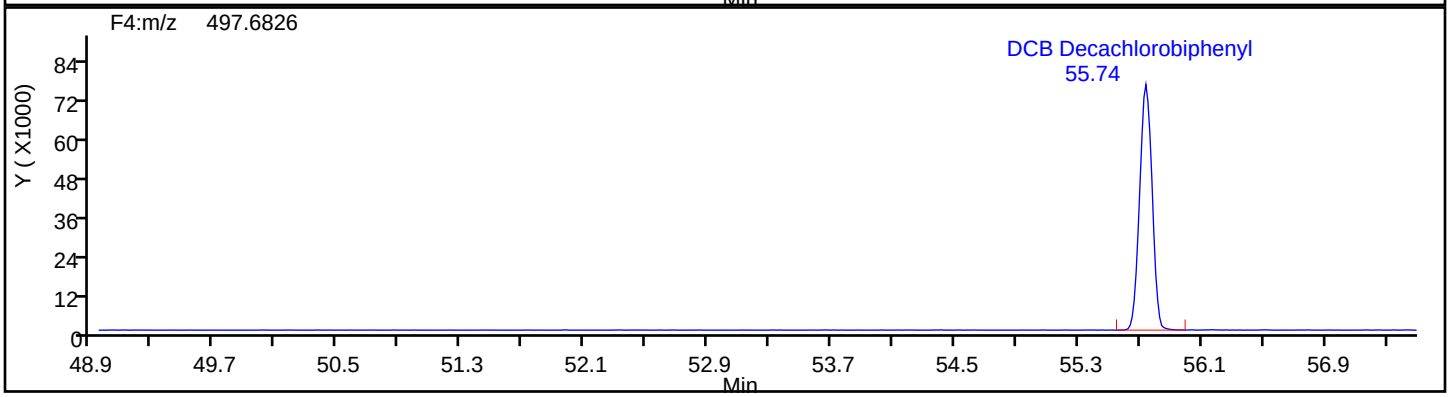
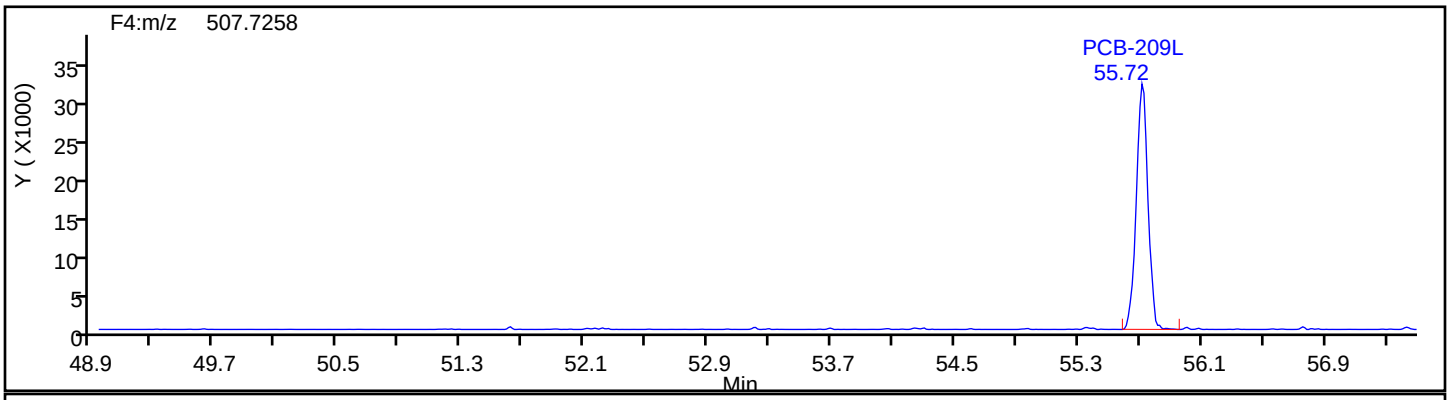
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

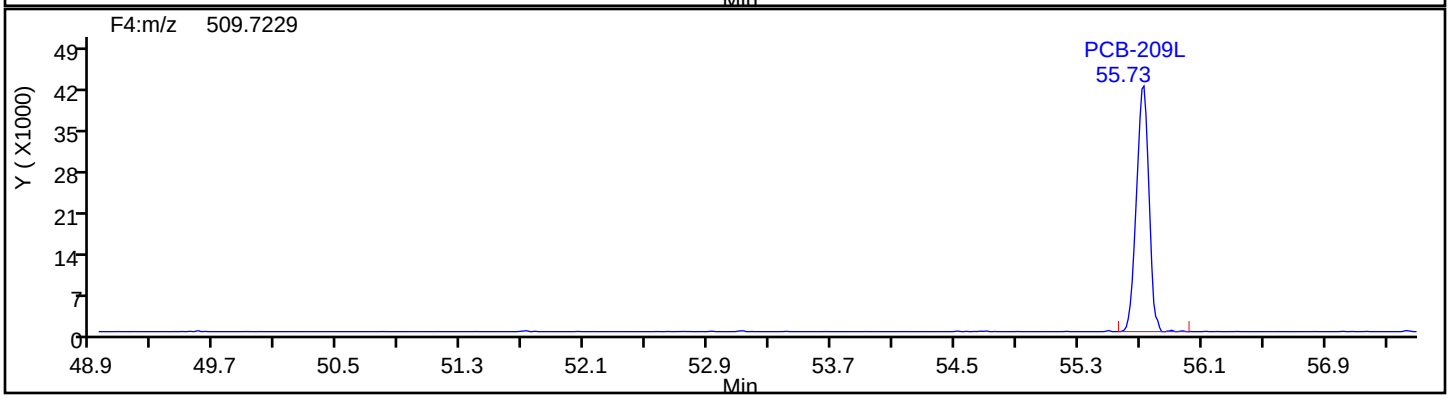
DePCB F4




DePCB F4 Standards

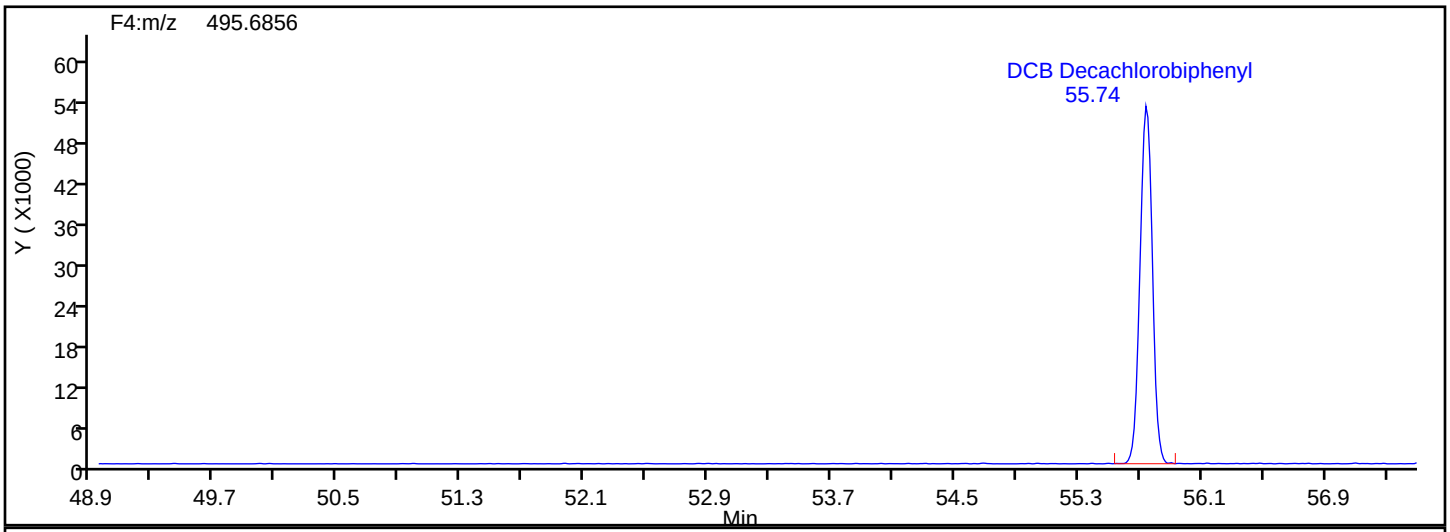


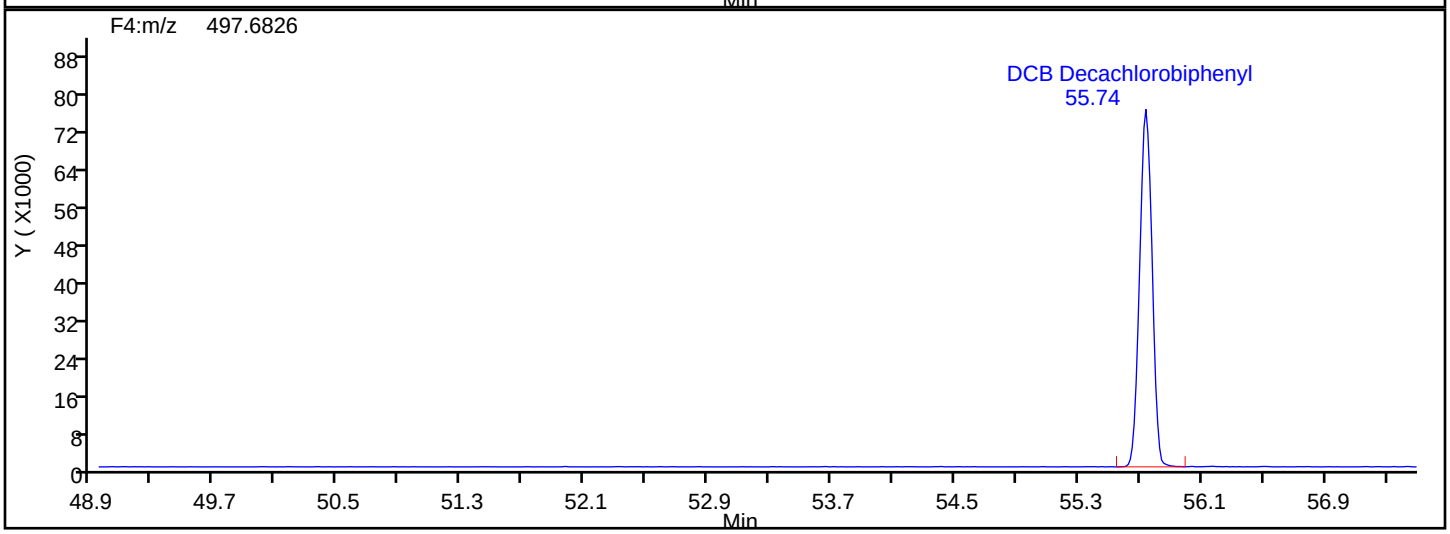



Eurofins TestAmerica, Knoxville

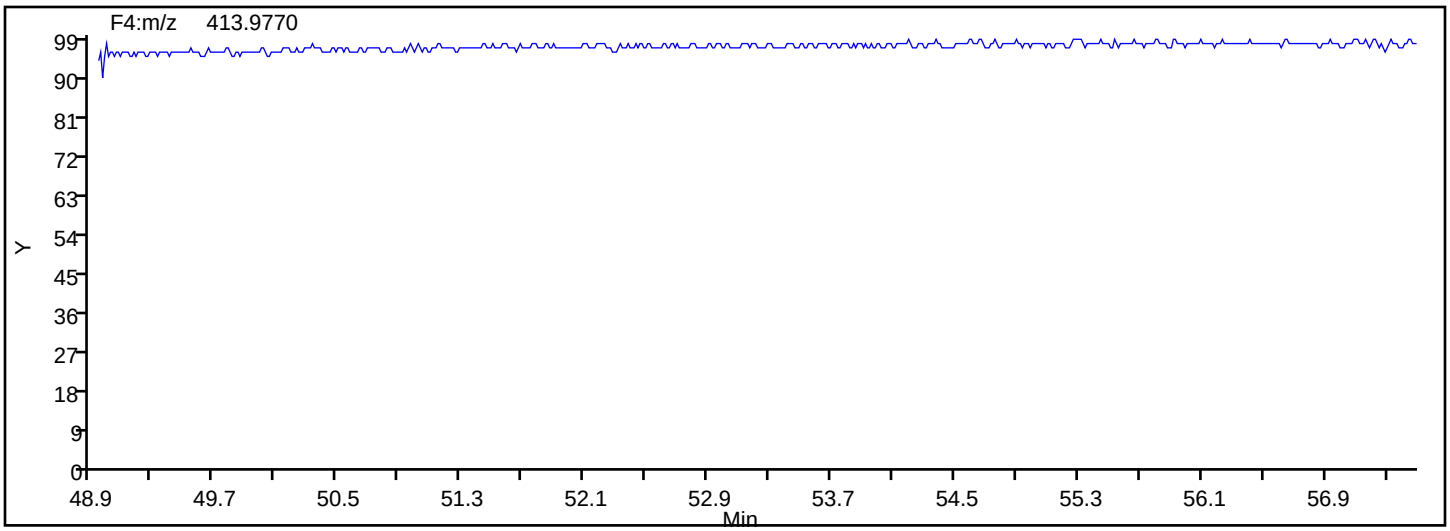
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-30-c.d | | |
| Injection Date: | 03-Oct-2019 18:47:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.097 | | 0.049 | 0.0016 |
| 2051-61-8 | PCB-2 | 0.015 | J | 0.049 | 0.0016 |
| 2051-62-9 | PCB-3 | 0.071 | | 0.049 | 0.0016 |
| 13029-08-8 | PCB-4 | 0.19 | | 0.099 | 0.0041 |
| 16605-91-7 | PCB-5 | 0.0076 | J q | 0.049 | 0.0023 |
| 25569-80-6 | PCB-6 | 0.15 | | 0.049 | 0.0023 |
| 33284-50-3 | PCB-7 | 0.028 | J | 0.049 | 0.0022 |
| 34883-43-7 | PCB-8 | 0.58 | | 0.099 | 0.0023 |
| 34883-39-1 | PCB-9 | 0.035 | J | 0.049 | 0.0025 |
| 33146-45-1 | PCB-10 | 0.0096 | J q | 0.049 | 0.0024 |
| 2050-67-1 | PCB-11 | 0.0098 | J q B | 0.099 | 0.0022 |
| 2974-92-7 | PCB-12 | 0.060 | J C | 0.099 | 0.0022 |
| 2974-90-5 | PCB-13 | 0.060 | J C12 | 0.099 | 0.0022 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0019 |
| 2050-68-2 | PCB-15 | 0.23 | | 0.049 | 0.0020 |
| 38444-78-9 | PCB-16 | 0.57 | | 0.049 | 0.0016 |
| 37680-66-3 | PCB-17 | 0.84 | B | 0.049 | 0.0013 |
| 37680-65-2 | PCB-18 | 1.2 | C B | 0.099 | 0.0011 |
| 38444-73-4 | PCB-19 | 0.11 | | 0.049 | 0.0015 |
| 38444-84-7 | PCB-20 | 2.0 | C B | 0.099 | 0.0064 |
| 55702-46-0 | PCB-21 | 0.82 | C B | 0.099 | 0.0060 |
| 38444-85-8 | PCB-22 | 0.36 | B | 0.049 | 0.0067 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.0065 |
| 55702-45-9 | PCB-24 | 0.015 | J | 0.049 | 0.00096 |
| 55712-37-3 | PCB-25 | 0.18 | | 0.049 | 0.0061 |
| 38444-81-4 | PCB-26 | 0.27 | C B | 0.099 | 0.0063 |
| 38444-76-7 | PCB-27 | 0.10 | | 0.049 | 0.00093 |
| 7012-37-5 | PCB-28 | 2.0 | C20 B | 0.099 | 0.0064 |
| 15862-07-4 | PCB-29 | 0.27 | C26 B | 0.099 | 0.0063 |
| 35693-92-6 | PCB-30 | 1.2 | C18 B | 0.099 | 0.0011 |
| 16606-02-3 | PCB-31 | 1.4 | B | 0.099 | 0.0060 |
| 38444-77-8 | PCB-32 | 0.48 | | 0.049 | 0.00086 |
| 38444-86-9 | PCB-33 | 0.82 | C21 B | 0.099 | 0.0060 |
| 37680-68-5 | PCB-34 | 0.033 | J | 0.049 | 0.0068 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.022 | J | 0.049 | 0.0068 |
| 38444-87-0 | PCB-36 | ND | | 0.049 | 0.0062 |
| 38444-90-5 | PCB-37 | 0.55 | B | 0.049 | 0.0064 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.0063 |
| 38444-88-1 | PCB-39 | 0.037 | J | 0.049 | 0.0059 |
| 38444-93-8 | PCB-40 | 2.3 | C | 0.15 | 0.0068 |
| 52663-59-9 | PCB-41 | 2.3 | C40 | 0.15 | 0.0068 |
| 36559-22-5 | PCB-42 | 1.5 | | 0.049 | 0.0072 |
| 70362-46-8 | PCB-43 | 0.15 | C | 0.099 | 0.0063 |
| 41464-39-5 | PCB-44 | 7.1 | C B | 0.15 | 0.0061 |
| 70362-45-7 | PCB-45 | 0.71 | C B | 0.099 | 0.0071 |
| 41464-47-5 | PCB-46 | 0.21 | | 0.049 | 0.0083 |
| 2437-79-8 | PCB-47 | 7.1 | C44 B | 0.15 | 0.0061 |
| 70362-47-9 | PCB-48 | 0.66 | | 0.049 | 0.0066 |
| 41464-40-8 | PCB-49 | 5.6 | C B | 0.099 | 0.0055 |
| 62796-65-0 | PCB-50 | 0.63 | C | 0.099 | 0.0067 |
| 68194-04-7 | PCB-51 | 0.71 | C45 B | 0.099 | 0.0071 |
| 35693-99-3 | PCB-52 | 13 | B | 0.049 | 0.0070 |
| 41464-41-9 | PCB-53 | 0.63 | C50 | 0.099 | 0.0067 |
| 15968-05-5 | PCB-54 | 0.022 | J | 0.049 | 0.00027 |
| 74338-24-2 | PCB-55 | ND | | 0.049 | 0.0048 |
| 41464-43-1 | PCB-56 | 1.8 | | 0.049 | 0.0049 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.0049 |
| 41464-49-7 | PCB-58 | 0.058 | | 0.049 | 0.0047 |
| 74472-33-6 | PCB-59 | 0.36 | C | 0.15 | 0.0046 |
| 33025-41-1 | PCB-60 | 0.26 | | 0.049 | 0.0047 |
| 33284-53-6 | PCB-61 | 12 | C B | 0.20 | 0.0046 |
| 54230-22-7 | PCB-62 | 0.36 | C59 | 0.15 | 0.0046 |
| 74472-34-7 | PCB-63 | 0.18 | | 0.049 | 0.0043 |
| 52663-58-8 | PCB-64 | 2.0 | | 0.049 | 0.0044 |
| 33284-54-7 | PCB-65 | 7.1 | C44 B | 0.15 | 0.0061 |
| 32598-10-0 | PCB-66 | 6.4 | B | 0.049 | 0.0049 |
| 73575-53-8 | PCB-67 | 0.10 | | 0.049 | 0.0045 |
| 73575-52-7 | PCB-68 | 0.21 | B | 0.049 | 0.0042 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 5.6 | C49 B | 0.099 | 0.0055 |
| 32598-11-1 | PCB-70 | 12 | C61 B | 0.20 | 0.0046 |
| 41464-46-4 | PCB-71 | 2.3 | C40 | 0.15 | 0.0068 |
| 41464-42-0 | PCB-72 | 0.38 | | 0.049 | 0.0048 |
| 74338-23-1 | PCB-73 | 0.15 | C43 | 0.099 | 0.0063 |
| 32690-93-0 | PCB-74 | 12 | C61 B | 0.20 | 0.0046 |
| 32598-12-2 | PCB-75 | 0.36 | C59 | 0.15 | 0.0046 |
| 70362-48-0 | PCB-76 | 12 | C61 B | 0.20 | 0.0046 |
| 32598-13-3 | PCB-77 | 0.26 | | 0.049 | 0.0044 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.0048 |
| 41464-48-6 | PCB-79 | 0.22 | | 0.049 | 0.0041 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0043 |
| 70362-50-4 | PCB-81 | 0.0055 | J q | 0.049 | 0.0051 |
| 52663-62-4 | PCB-82 | 1.6 | B | 0.049 | 0.0019 |
| 60145-20-2 | PCB-83 | 15 | C B | 0.099 | 0.0018 |
| 52663-60-2 | PCB-84 | 5.4 | B | 0.049 | 0.0020 |
| 65510-45-4 | PCB-85 | 2.5 | C | 0.15 | 0.0014 |
| 55312-69-1 | PCB-86 | 12 | C B | 0.30 | 0.0014 |
| 38380-02-8 | PCB-87 | 12 | C86 B | 0.30 | 0.0014 |
| 55215-17-3 | PCB-88 | 3.9 | C B | 0.099 | 0.0017 |
| 73575-57-2 | PCB-89 | ND | | 0.049 | 0.0019 |
| 68194-07-0 | PCB-90 | 23 | C B | 0.15 | 0.0015 |
| 68194-05-8 | PCB-91 | 3.9 | C88 B | 0.099 | 0.0017 |
| 52663-61-3 | PCB-92 | 5.7 | B | 0.049 | 0.0018 |
| 73575-56-1 | PCB-93 | 0.48 | C | 0.099 | 0.0017 |
| 73575-55-0 | PCB-94 | ND | | 0.049 | 0.0019 |
| 38379-99-6 | PCB-95 | 17 | B | 0.049 | 0.0017 |
| 73575-54-9 | PCB-96 | 0.13 | | 0.049 | 0.0014 |
| 41464-51-1 | PCB-97 | 12 | C86 B | 0.30 | 0.0014 |
| 60233-25-2 | PCB-98 | 0.65 | C | 0.099 | 0.0017 |
| 38380-01-7 | PCB-99 | 15 | C83 B | 0.099 | 0.0018 |
| 39485-83-1 | PCB-100 | 0.48 | C93 | 0.099 | 0.0017 |
| 37680-73-2 | PCB-101 | 23 | C90 B | 0.15 | 0.0015 |
| 68194-06-9 | PCB-102 | 0.65 | C98 | 0.099 | 0.0017 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.74 | | 0.049 | 0.0016 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0012 |
| 32598-14-4 | PCB-105 | 4.5 | B | 0.049 | 0.014 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.014 |
| 70424-68-9 | PCB-107 | 1.5 | B | 0.049 | 0.013 |
| 70362-41-3 | PCB-108 | 0.55 | C | 0.099 | 0.014 |
| 74472-35-8 | PCB-109 | 12 | C86 B | 0.30 | 0.0014 |
| 38380-03-9 | PCB-110 | 21 | C B | 0.099 | 0.0012 |
| 39635-32-0 | PCB-111 | ND | | 0.049 | 0.0012 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0012 |
| 68194-10-5 | PCB-113 | 23 | C90 B | 0.15 | 0.0015 |
| 74472-37-0 | PCB-114 | 0.25 | | 0.049 | 0.012 |
| 74472-38-1 | PCB-115 | 21 | C110 B | 0.099 | 0.0012 |
| 18259-05-7 | PCB-116 | 2.5 | C85 | 0.15 | 0.0014 |
| 68194-11-6 | PCB-117 | 2.5 | C85 | 0.15 | 0.0014 |
| 31508-00-6 | PCB-118 | 15 | B | 0.049 | 0.013 |
| 56558-17-9 | PCB-119 | 12 | C86 B | 0.30 | 0.0014 |
| 68194-12-7 | PCB-120 | 0.24 | | 0.049 | 0.0011 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0012 |
| 76842-07-4 | PCB-122 | 0.18 | B | 0.049 | 0.015 |
| 65510-44-3 | PCB-123 | 0.18 | | 0.049 | 0.014 |
| 70424-70-3 | PCB-124 | 0.55 | C108 | 0.099 | 0.014 |
| 74472-39-2 | PCB-125 | 12 | C86 B | 0.30 | 0.0014 |
| 57465-28-8 | PCB-126 | 0.019 | J | 0.049 | 0.013 |
| 39635-33-1 | PCB-127 | ND | | 0.049 | 0.014 |
| 38380-07-3 | PCB-128 | 3.5 | C B | 0.099 | 0.0049 |
| 55215-18-4 | PCB-129 | 23 | C B | 0.20 | 0.0050 |
| 52663-66-8 | PCB-130 | 1.9 | B | 0.049 | 0.0066 |
| 61798-70-7 | PCB-131 | 0.31 | | 0.049 | 0.0064 |
| 38380-05-1 | PCB-132 | 8.6 | B | 0.049 | 0.0062 |
| 35694-04-3 | PCB-133 | 0.79 | | 0.049 | 0.0060 |
| 52704-70-8 | PCB-134 | 1.3 | C | 0.099 | 0.0064 |
| 52744-13-5 | PCB-135 | 11 | C B | 0.099 | 0.0017 |
| 38411-22-2 | PCB-136 | 4.3 | B | 0.049 | 0.0013 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 0.87 | | 0.049 | 0.0052 |
| 35065-28-2 | PCB-138 | 23 | C129 B | 0.20 | 0.0050 |
| 56030-56-9 | PCB-139 | 0.60 | C | 0.099 | 0.0055 |
| 59291-64-4 | PCB-140 | 0.60 | C139 | 0.099 | 0.0055 |
| 52712-04-6 | PCB-141 | 4.0 | B | 0.049 | 0.0057 |
| 41411-61-4 | PCB-142 | ND | | 0.049 | 0.0063 |
| 68194-15-0 | PCB-143 | 1.3 | C134 | 0.099 | 0.0064 |
| 68194-14-9 | PCB-144 | 1.1 | | 0.049 | 0.0016 |
| 74472-40-5 | PCB-145 | 0.011 | J q | 0.049 | 0.0012 |
| 51908-16-8 | PCB-146 | 6.5 | B | 0.049 | 0.0054 |
| 68194-13-8 | PCB-147 | 22 | C B | 0.099 | 0.0056 |
| 74472-41-6 | PCB-148 | 0.24 | | 0.049 | 0.0016 |
| 38380-04-0 | PCB-149 | 22 | C147 B | 0.099 | 0.0056 |
| 68194-08-1 | PCB-150 | 0.20 | | 0.049 | 0.0012 |
| 52663-63-5 | PCB-151 | 11 | C135 B | 0.099 | 0.0017 |
| 68194-09-2 | PCB-152 | 0.023 | J | 0.049 | 0.0012 |
| 35065-27-1 | PCB-153 | 24 | C B | 0.099 | 0.0045 |
| 60145-22-4 | PCB-154 | 1.4 | | 0.049 | 0.0014 |
| 33979-03-2 | PCB-155 | ND | | 0.049 | 0.0011 |
| 38380-08-4 | PCB-156 | 2.5 | C B | 0.099 | 0.0052 |
| 69782-90-7 | PCB-157 | 2.5 | C156 B | 0.099 | 0.0052 |
| 74472-42-7 | PCB-158 | 2.2 | B | 0.049 | 0.0039 |
| 39635-35-3 | PCB-159 | 0.28 | | 0.049 | 0.0041 |
| 41411-62-5 | PCB-160 | 23 | C129 B | 0.20 | 0.0050 |
| 74472-43-8 | PCB-161 | ND | | 0.049 | 0.0041 |
| 39635-34-2 | PCB-162 | ND | | 0.049 | 0.0040 |
| 74472-44-9 | PCB-163 | 23 | C129 B | 0.20 | 0.0050 |
| 74472-45-0 | PCB-164 | 1.9 | B | 0.049 | 0.0044 |
| 74472-46-1 | PCB-165 | ND | | 0.049 | 0.0049 |
| 41411-63-6 | PCB-166 | 3.5 | C128 B | 0.099 | 0.0049 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 0.77 | B | 0.049 | 0.0034 |
| 59291-65-5 | PCB-168 | 24 | C153 B | 0.099 | 0.0045 |
| 32774-16-6 | PCB-169 | ND | | 0.049 | 0.0038 |
| 35065-30-6 | PCB-170 | 7.5 | B | 0.049 | 0.0018 |
| 52663-71-5 | PCB-171 | 2.5 | C B | 0.099 | 0.0017 |
| 52663-74-8 | PCB-172 | 1.3 | B | 0.049 | 0.0016 |
| 68194-16-1 | PCB-173 | 2.5 | C171 B | 0.099 | 0.0017 |
| 38411-25-5 | PCB-174 | 8.5 | B | 0.049 | 0.0017 |
| 40186-70-7 | PCB-175 | 0.36 | | 0.049 | 0.0015 |
| 52663-65-7 | PCB-176 | 1.1 | B | 0.049 | 0.0011 |
| 52663-70-4 | PCB-177 | 5.4 | B | 0.049 | 0.0017 |
| 52663-67-9 | PCB-178 | 2.0 | B | 0.049 | 0.0016 |
| 52663-64-6 | PCB-179 | 3.8 | B | 0.049 | 0.0011 |
| 35065-29-3 | PCB-180 | 16 | C B | 0.099 | 0.0013 |
| 74472-47-2 | PCB-181 | 0.079 | | 0.049 | 0.0015 |
| 60145-23-5 | PCB-182 | 0.11 | | 0.049 | 0.0014 |
| 52663-69-1 | PCB-183 | 5.5 | C B | 0.099 | 0.0014 |
| 74472-48-3 | PCB-184 | ND | | 0.049 | 0.0011 |
| 52712-05-7 | PCB-185 | 5.5 | C183 B | 0.099 | 0.0014 |
| 74472-49-4 | PCB-186 | ND | | 0.049 | 0.0011 |
| 52663-68-0 | PCB-187 | 11 | B | 0.049 | 0.0015 |
| 74487-85-7 | PCB-188 | ND | | 0.049 | 0.0010 |
| 39635-31-9 | PCB-189 | 0.28 | B | 0.049 | 0.0048 |
| 41411-64-7 | PCB-190 | 1.5 | B | 0.049 | 0.0012 |
| 74472-50-7 | PCB-191 | 0.35 | | 0.049 | 0.0012 |
| 74472-51-8 | PCB-192 | ND | | 0.049 | 0.0013 |
| 69782-91-8 | PCB-193 | 16 | C180 B | 0.099 | 0.0013 |
| 35694-08-7 | PCB-194 | 4.0 | B | 0.049 | 0.0055 |
| 52663-78-2 | PCB-195 | 1.3 | B | 0.049 | 0.0065 |
| 42740-50-1 | PCB-196 | 2.0 | B | 0.049 | 0.0032 |
| 33091-17-7 | PCB-197 | 0.14 | B | 0.049 | 0.0023 |
| 68194-17-2 | PCB-198 | 4.2 | C B | 0.099 | 0.0034 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 4.2 | C198 B | 0.099 | 0.0034 |
| 52663-73-7 | PCB-200 | 0.54 | | 0.049 | 0.0025 |
| 40186-71-8 | PCB-201 | 0.52 | B | 0.049 | 0.0023 |
| 2136-99-4 | PCB-202 | 0.78 | B | 0.049 | 0.0026 |
| 52663-76-0 | PCB-203 | 2.6 | | 0.049 | 0.0030 |
| 74472-52-9 | PCB-204 | ND | | 0.049 | 0.0025 |
| 74472-53-0 | PCB-205 | 0.21 | | 0.049 | 0.0041 |
| 40186-72-9 | PCB-206 | 2.6 | q | 0.049 | 0.0074 |
| 52663-79-3 | PCB-207 | 0.17 | | 0.049 | 0.0055 |
| 52663-77-1 | PCB-208 | 0.43 | | 0.049 | 0.0059 |
| 2051-24-3 | PCB-209 | 1.6 | | 0.049 | 0.0018 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.18 | | 0.049 | 0.0016 |
| 25512-42-9 | Total Dichlorobiphenyls | 1.3 | q B | 0.099 | 0.0024 |
| 25323-68-6 | Total Trichlorobiphenyls | 9.0 | B | 0.099 | 0.0045 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 56 | q B | 0.20 | 0.0052 |
| 25429-29-2 | Total Pentachlorobiphenyls | 130 | B | 0.30 | 0.0054 |
| 26601-64-9 | Total Hexachlorobiphenyls | 120 | q B | 0.20 | 0.0040 |
| 28655-71-2 | Total Heptachlorobiphenyls | 67 | B | 0.099 | 0.0016 |
| 55722-26-4 | Total Octachlorobiphenyls | 16 | B | 0.099 | 0.0034 |
| 53742-07-7 | Total Nonachlorobiphenyls | 3.2 | q | 0.049 | 0.0063 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 410 | q B | 0.30 | 0.0039 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-60to70-82719 RE  Lab Sample ID: 580-88908-30 RE

Matrix: Solid  Lab File ID: 580-88908-a-30-f_191010050705.

Analysis Method: 1668A  Date Collected: 08/27/2019 16:20

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 18.05(g)  Date Analyzed: 10/10/2019 05:07

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 43.8  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 55 | | 30-140 |
| 208263-77-8 | PCB-3L | 58 | | 30-140 |
| 234432-86-1 | PCB-4L | 60 | | 30-140 |
| 208263-67-6 | PCB-15L | 86 | | 30-140 |
| 234432-87-2 | PCB-19L | 70 | | 30-140 |
| 208263-79-0 | PCB-37L | 118 | | 30-140 |
| 234432-88-3 | PCB-54L | 69 | | 30-140 |
| 105600-23-5 | PCB-77L | 99 | | 30-140 |
| 208461-24-9 | PCB-81L | 89 | | 30-140 |
| 234432-89-4 | PCB-104L | 88 | | 30-140 |
| 208263-62-1 | PCB-105L | 83 | | 30-140 |
| 208263-63-2 | PCB-114L | 88 | | 30-140 |
| 104130-40-7 | PCB-118L | 90 | | 30-140 |
| 208263-64-3 | PCB-123L | 85 | | 30-140 |
| 208263-65-4 | PCB-126L | 96 | | 30-140 |
| 234432-90-7 | PCB-155L | 92 | | 30-140 |
| 208263-68-7 | PCB-156L | 81 | C | 30-140 |
| 235416-30-5 | PCB-157L | 81 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 85 | | 30-140 |
| 208263-70-1 | PCB-169L | 92 | | 30-140 |
| 160901-80-4 | PCB-170L | 80 | | 30-140 |
| 234432-91-8 | PCB-188L | 84 | | 30-140 |
| 208263-73-4 | PCB-189L | 52 | | 30-140 |
| 105600-26-8 | PCB-202L | 92 | | 30-140 |
| 234446-64-1 | PCB-205L | 76 | | 30-140 |
| 208263-75-6 | PCB-206L | 72 | | 30-140 |
| 234432-92-9 | PCB-208L | 71 | | 30-140 |
| 105600-27-9 | PCB-209L | 70 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 82 | | 40-125 |
| 235416-29-2 | PCB-111L | 90 | | 40-125 |
| 232919-67-4 | PCB-178L | 95 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d
Lims ID: 580-88908-A-30-F
Client ID: J5-SC1b-60to70-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 05:07:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013345-008
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 23:23:03 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0304

First Level Reviewer: mcwhirterl Date: 10-Oct-2019 23:23:03

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 3.711 | 3.711 | 0.0319 | 0.0319 | | |
| D PCB-1L | 11:45 | 814785 | 3.10 | 1.3140 | 11.0 | 11.0 | 0.2237 | 0.2237 | 55.04 | |
| D PCB-3L | 13:55 | 886535 | 3.31 | 1.3615 | 11.6 | 11.6 | 0.2159 | 0.2159 | 57.80 | |
| PCB-1 | 11:46 | 95613 | 3.21 | 1.1883 | 1.975 | 1.975 | 0.0317 | 0.0317 | | |
| PCB-2 | 13:46 | 15414 | 2.66 | 1.1911 | 0.3043 | 0.3043 | 0.0320 | 0.0320 | | |
| PCB-3 | 13:56 | 76983 | 3.60 | 1.2130 | 1.432 | 1.432 | 0.0319 | 0.0319 | | |
| S Total Dichlorobiphenyls | | | | | 26.3 | 26.1 | 0.0490 | 0.0490 | | RQ |
| D PCB-4L | 14:10 | 401938 | 1.61 | 0.5996 | 11.9 | 11.9 | 0.1478 | 0.1478 | 59.51 | |
| * PCB-9L | 16:08 | 1126540 | 1.60 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:04 | 994661 | 1.62 | 1.0280 | 17.2 | 17.2 | 0.0862 | 0.0862 | 85.89 | |
| PCB-4 | 14:12 | 96862 | 1.56 | 1.2533 | 3.846 | 3.846 | 0.0835 | 0.0835 | | |
| PCB-10 | 14:22 | 10036 | 1.56 | 1.4828 | 0.2090 | 0.1939 | 0.0494 | 0.0494 | | RQ |
| PCB-9 | 16:09 | 35199 | 1.53 | 1.4200 | 0.7100 | 0.7100 | 0.0516 | 0.0516 | | |
| PCB-7 | 16:19 | 32411 | 1.46 | 1.6244 | 0.5715 | 0.5715 | 0.0451 | 0.0451 | | |
| PCB-6 | 16:34 | 159978 | 1.70 | 1.5539 | 2.949 | 2.949 | 0.0472 | 0.0472 | | |
| PCB-5 | 16:52 | 8417 | 1.56 | 1.5606 | 0.1855 | 0.1545 | 0.0469 | 0.0469 | | RQ |
| PCB-8 | 16:59 | 647485 | 1.61 | 1.5884 | 11.7 | 11.7 | 0.0461 | 0.0461 | | |
| PCB-14 | 18:38 | | | | | | 0.0391 | 0.0391 | | |
| PCB-11 | 19:28 | 11397 | 1.56 | 1.6347 | 0.2739 | 0.1997 | 0.0448 | 0.0448 | | RQ |
| PCB-12 | 19:45 | 69845 | 1.64 | 1.6410 | 1.219 | 1.219 | 0.0446 | 0.0446 | | |
| PCB-13 (C12) | 19:45 | 69845 | 1.64 | 1.6410 | 1.219 | 1.219 | 0.0446 | 0.0446 | | |
| PCB-15 | 20:05 | 322146 | 1.56 | 1.4024 | 4.619 | 4.619 | 0.0402 | 0.0402 | | |
| S Total Trichlorobiphenyl | | | | | 183.0 | 183.0 | 0.0921 | 0.0921 | | |
| D PCB-19L | 17:17 | 342499 | 0.96 | 0.6095 | 14.0 | 14.0 | 0.3187 | 0.3187 | 70.16 | |
| * PCB-32L | 20:32 | 800974 | 1.13 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:48 | 1391088 | 1.06 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:06 | 1254488 | 1.11 | 1.0975 | 16.4 | 16.4 | 0.1143 | 0.1143 | 82.17 | |
| D PCB-37L | 27:07 | 1476989 | 1.09 | 0.9024 | 23.5 | 23.5 | 0.1390 | 0.1390 | 118 | |
| PCB-19 | 17:17 | 51870 | 1.05 | 1.3047 | 2.321 | 2.321 | 0.0314 | 0.0314 | | |
| PCB-18 | 19:10 | 779966 | 1.06 | 1.8188 | 25.0 | 25.0 | 0.0225 | 0.0225 | | |
| PCB-30 (C18) | 19:10 | 779966 | 1.06 | 1.8188 | 25.0 | 25.0 | 0.0225 | 0.0225 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:35 | 454224 | 1.12 | 1.5641 | 17.0 | 17.0 | 0.0262 | 0.0262 | | |
| PCB-27 | 19:47 | 76775 | 1.08 | 2.1680 | 2.068 | 2.068 | 0.0189 | 0.0189 | | |
| PCB-24 | 19:56 | 10931 | 1.01 | 2.1018 | 0.3037 | 0.3037 | 0.0195 | 0.0195 | | |
| PCB-16 | 20:02 | 241577 | 1.04 | 1.2260 | 11.5 | 11.5 | 0.0334 | 0.0334 | | |
| PCB-32 | 20:34 | 389118 | 1.04 | 2.3416 | 9.704 | 9.704 | 0.0175 | 0.0175 | | |
| PCB-34 | 21:49 | 60805 | 1.08 | 1.2154 | 0.6774 | 0.6774 | 0.1384 | 0.1384 | | |
| PCB-23 | 21:59 | | | | | | 0.1328 | 0.1328 | | |
| PCB-26 | 22:17 | 534130 | 1.13 | 1.3193 | 5.482 | 5.482 | 0.1275 | 0.1275 | | |
| PCB-29 (C26) | 22:17 | 534130 | 1.13 | 1.3193 | 5.482 | 5.482 | 0.1275 | 0.1275 | | |
| PCB-25 | 22:31 | 368513 | 1.09 | 1.3523 | 3.690 | 3.690 | 0.1244 | 0.1244 | | |
| PCB-31 | 22:50 | 2818703 | 1.10 | 1.3809 | 27.6 | 27.6 | 0.1219 | 0.1219 | | |
| PCB-20 | 23:07 | 3986057 | 1.10 | 1.3057 | 41.3 | 41.3 | 0.1289 | 0.1289 | | |
| PCB-28 (C20) | 23:07 | 3986057 | 1.10 | 1.3057 | 41.3 | 41.3 | 0.1289 | 0.1289 | | |
| PCB-21 | 23:22 | 1688216 | 1.09 | 1.3777 | 16.6 | 16.6 | 0.1221 | 0.1221 | | |
| PCB-33 (C21) | 23:22 | 1688216 | 1.09 | 1.3777 | 16.6 | 16.6 | 0.1221 | 0.1221 | | |
| PCB-22 | 23:45 | 666255 | 1.06 | 1.2430 | 7.258 | 7.258 | 0.1354 | 0.1354 | | |
| PCB-36 | 25:19 | | | | | | 0.1249 | 0.1249 | | |
| PCB-39 | 25:41 | 77033 | 1.10 | 1.3970 | 0.7467 | 0.7467 | 0.1204 | 0.1204 | | M |
| PCB-38 | 26:15 | | | | | | 0.1277 | 0.1277 | | |
| PCB-35 | 26:44 | 40915 | 1.03 | 1.2166 | 0.4554 | 0.4554 | 0.1383 | 0.1383 | | |
| PCB-37 | 27:08 | 1070714 | 1.10 | 1.2879 | 11.3 | 11.3 | 0.1306 | 0.1306 | | |
| S Total Tetrachlorobiphen | | | | | 1132.8 | 1132.8 | 0.1055 | 0.1055 | | RQ |
| D PCB-54L | 20:22 | 361388 | 0.78 | 0.6515 | 13.9 | 13.9 | 0.0611 | 0.0611 | 69.26 | |
| * PCB-52L | 24:56 | 835606 | 0.81 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:53 | 916341 | 0.80 | 1.2328 | 17.8 | 17.8 | 0.0428 | 0.0428 | 88.95 | |
| D PCB-77L | 34:26 | 1038727 | 0.81 | 1.2523 | 19.9 | 19.9 | 0.0422 | 0.0422 | 99.27 | |
| PCB-54 | 20:23 | 9974 | 0.76 | 1.2558 | 0.4395 | 0.4395 | 0.005558 | 0.005558 | | |
| PCB-50 | 22:33 | 585448 | 0.79 | 0.9362 | 12.8 | 12.8 | 0.1358 | 0.1358 | | |
| PCB-53 (C50) | 22:33 | 585448 | 0.79 | 0.9362 | 12.8 | 12.8 | 0.1358 | 0.1358 | | |
| PCB-45 | 23:13 | 619329 | 0.81 | 0.8850 | 14.3 | 14.3 | 0.1437 | 0.1437 | | Ma |
| PCB-51 (C45) | 23:13 | 619329 | 0.81 | 0.8850 | 14.3 | 14.3 | 0.1437 | 0.1437 | | Ma |
| PCB-46 | 23:31 | 157064 | 0.83 | 0.7591 | 4.233 | 4.233 | 0.1675 | 0.1675 | | |
| PCB-52 | 24:58 | 11416302 | 0.80 | 0.8992 | 259.7 | 259.7 | 0.1414 | 0.1414 | | M |
| PCB-43 | 25:11 | 144902 | 0.70 | 0.9993 | 2.967 | 2.967 | 0.1272 | 0.1272 | | Ma |
| PCB-73 (C43) | 25:11 | 144902 | 0.70 | 0.9993 | 2.967 | 2.967 | 0.1272 | 0.1272 | | Ma |
| PCB-49 | 25:27 | 6328220 | 0.79 | 1.1366 | 113.9 | 113.9 | 0.1119 | 0.1119 | | |
| PCB-69 (C49) | 25:27 | 6328220 | 0.79 | 1.1366 | 113.9 | 113.9 | 0.1119 | 0.1119 | | |
| PCB-48 | 25:44 | 622994 | 0.79 | 0.9454 | 13.5 | 13.5 | 0.1345 | 0.1345 | | |
| PCB-44 | 25:57 | 7298272 | 0.77 | 1.0323 | 144.6 | 144.6 | 0.1232 | 0.1232 | | |
| PCB-47 (C44) | 25:57 | 7298272 | 0.77 | 1.0323 | 144.6 | 144.6 | 0.1232 | 0.1232 | | |
| PCB-65 (C44) | 25:57 | 7298272 | 0.77 | 1.0323 | 144.6 | 144.6 | 0.1232 | 0.1232 | | |
| PCB-59 | 26:19 | 488590 | 0.80 | 1.3609 | 7.345 | 7.345 | 0.0934 | 0.0934 | | |
| PCB-62 (C59) | 26:19 | 488590 | 0.80 | 1.3609 | 7.345 | 7.345 | 0.0934 | 0.0934 | | |
| PCB-75 (C59) | 26:19 | 488590 | 0.80 | 1.3609 | 7.345 | 7.345 | 0.0934 | 0.0934 | | |
| PCB-42 | 26:29 | 1323136 | 0.78 | 0.8670 | 31.2 | 31.2 | 0.1467 | 0.1467 | | |
| PCB-40 | 26:59 | 2058790 | 0.79 | 0.9179 | 45.9 | 45.9 | 0.1385 | 0.1385 | | M |
| PCB-41 (C40) | 26:59 | 2058790 | 0.79 | 0.9179 | 45.9 | 45.9 | 0.1385 | 0.1385 | | M |
| PCB-71 (C40) | 26:59 | 2058790 | 0.79 | 0.9179 | 45.9 | 45.9 | 0.1385 | 0.1385 | | M |
| PCB-64 | 27:12 | 2854717 | 0.80 | 1.4164 | 41.2 | 41.2 | 0.0898 | 0.0898 | | |
| PCB-72 | 28:02 | 489526 | 0.79 | 1.3157 | 7.612 | 7.612 | 0.0966 | 0.0966 | | |
| PCB-68 | 28:20 | 314380 | 0.77 | 1.4782 | 4.351 | 4.351 | 0.0860 | 0.0860 | | |
| PCB-57 | 28:44 | | | | | | 0.0992 | 0.0992 | | |
| PCB-58 | 28:58 | 76172 | 0.71 | 1.3214 | 1.179 | 1.179 | 0.0962 | 0.0962 | | Ma |
| PCB-67 | 29:10 | 137909 | 0.75 | 1.3944 | 2.023 | 2.023 | 0.0912 | 0.0912 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:26 | 267698 | 0.81 | 1.4685 | 3.730 | 3.730 | 0.0866 | 0.0866 | | |
| PCB-61 | 29:45 | 15897908 | 0.79 | 1.3565 | 239.8 | 239.8 | 0.0937 | 0.0937 | | |
| PCB-70 (C61) | 29:45 | 15897908 | 0.79 | 1.3565 | 239.8 | 239.8 | 0.0937 | 0.0937 | | |
| PCB-74 (C61) | 29:45 | 15897908 | 0.79 | 1.3565 | 239.8 | 239.8 | 0.0937 | 0.0937 | | |
| PCB-76 (C61) | 29:45 | 15897908 | 0.79 | 1.3565 | 239.8 | 239.8 | 0.0937 | 0.0937 | | |
| PCB-66 | 30:04 | 8166564 | 0.80 | 1.2800 | 130.5 | 130.5 | 0.0993 | 0.0993 | | |
| PCB-55 | 30:14 | | | | | | 0.0982 | 0.0982 | | |
| PCB-56 | 30:45 | 2243154 | 0.79 | 1.2671 | 36.2 | 36.2 | 0.1004 | 0.1004 | | |
| PCB-60 | 30:58 | 342479 | 0.75 | 1.3288 | 5.273 | 5.273 | 0.0957 | 0.0957 | | |
| PCB-80 | 31:22 | | | | | | 0.0865 | 0.0865 | | |
| PCB-79 | 32:55 | 329606 | 0.82 | 1.5421 | 4.373 | 4.373 | 0.0825 | 0.0825 | | |
| PCB-78 | 33:27 | | | | | | 0.0967 | 0.0967 | | |
| PCB-81 | 33:53 | 6807 | 0.77 | 1.3214 | 0.1799 | 0.1124 | 0.1025 | 0.1025 | | RQMa |
| PCB-77 | 34:28 | 369458 | 0.80 | 1.3308 | 5.345 | 5.345 | 0.0900 | 0.0900 | | |
| S Total Pentachlorobiphen | | | | | 2668.3 | 2668.3 | 0.1095 | 0.1095 | | |
| D PCB-104L | 25:53 | 746046 | 1.65 | 1.1164 | 17.6 | 17.6 | 0.0349 | 0.0349 | 88.01 | |
| * PCB-101L | 31:48 | 759290 | 1.65 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:30 | 830565 | 1.55 | 1.2177 | 18.0 | 18.0 | 0.0320 | 0.0320 | 89.83 | |
| D PCB-123L | 36:28 | 1041642 | 1.58 | 0.9909 | 16.9 | 16.9 | 0.3013 | 0.3013 | 84.51 | |
| D PCB-118L | 36:47 | 1153056 | 1.61 | 1.0256 | 18.1 | 18.1 | 0.2911 | 0.2911 | 90.39 | |
| D PCB-114L | 37:19 | 1092317 | 1.61 | 1.0030 | 17.5 | 17.5 | 0.2977 | 0.2977 | 87.55 | |
| D PCB-105L | 37:57 | 1034204 | 1.57 | 1.0013 | 16.6 | 16.6 | 0.2982 | 0.2982 | 83.04 | |
| * PCB-127L | 39:27 | 1243897 | 1.59 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 41:03 | 1076780 | 1.67 | 0.9020 | 19.2 | 19.2 | 0.3310 | 0.3310 | 95.97 | |
| PCB-104 | 25:55 | | | | | | 0.0245 | 0.0245 | | |
| PCB-96 | 26:16 | 122874 | 1.53 | 1.2268 | 2.685 | 2.685 | 0.0278 | 0.0278 | | |
| PCB-103 | 28:13 | 577635 | 1.53 | 1.0331 | 15.0 | 15.0 | 0.0330 | 0.0330 | | |
| PCB-94 | 28:26 | | | | | | 0.0377 | 0.0377 | | |
| PCB-95 | 28:53 | 12726222 | 1.56 | 0.9620 | 354.6 | 354.6 | 0.0354 | 0.0354 | | |
| PCB-93 | 29:06 | 356043 | 1.60 | 0.9806 | 9.733 | 9.733 | 0.0347 | 0.0347 | | |
| PCB-100 (C93) | 29:06 | 356043 | 1.60 | 0.9806 | 9.733 | 9.733 | 0.0347 | 0.0347 | | |
| PCB-98 | 29:15 | 489740 | 1.57 | 0.9888 | 13.3 | 13.3 | 0.0345 | 0.0345 | | |
| PCB-102 (C98) | 29:15 | 489740 | 1.57 | 0.9888 | 13.3 | 13.3 | 0.0345 | 0.0345 | | |
| PCB-88 | 29:45 | 2930558 | 1.61 | 1.0052 | 78.2 | 78.2 | 0.0339 | 0.0339 | | |
| PCB-91 (C88) | 29:45 | 2930558 | 1.61 | 1.0052 | 78.2 | 78.2 | 0.0339 | 0.0339 | | |
| PCB-84 | 29:58 | 3484954 | 1.57 | 0.8601 | 108.6 | 108.6 | 0.0396 | 0.0396 | | |
| PCB-89 | 30:27 | | | | | | 0.0381 | 0.0381 | | |
| PCB-121 | 30:52 | | | | | | 0.0244 | 0.0244 | | |
| PCB-92 | 31:15 | 4078090 | 1.57 | 0.9532 | 114.7 | 114.7 | 0.0357 | 0.0357 | | |
| PCB-90 | 31:50 | 20204906 | 1.56 | 1.1367 | 476.5 | 476.5 | 0.0300 | 0.0300 | | |
| PCB-101 (C90) | 31:50 | 20204906 | 1.56 | 1.1367 | 476.5 | 476.5 | 0.0300 | 0.0300 | | |
| PCB-113 (C90) | 31:50 | 20204906 | 1.56 | 1.1367 | 476.5 | 476.5 | 0.0300 | 0.0300 | | |
| PCB-83 | 32:25 | 10774704 | 1.57 | 0.9393 | 307.5 | 307.5 | 0.0363 | 0.0363 | | M |
| PCB-99 (C83) | 32:25 | 10774704 | 1.57 | 0.9393 | 307.5 | 307.5 | 0.0363 | 0.0363 | | M |
| PCB-112 | 32:31 | | | | | | 0.0249 | 0.0249 | | |
| PCB-86 | 32:55 | 10414695 | 1.59 | 1.1958 | 233.5 | 233.5 | 0.0285 | 0.0285 | | M |
| PCB-87 (C86) | 32:55 | 10414695 | 1.59 | 1.1958 | 233.5 | 233.5 | 0.0285 | 0.0285 | | M |
| PCB-97 (C86) | 32:55 | 10414695 | 1.59 | 1.1958 | 233.5 | 233.5 | 0.0285 | 0.0285 | | M |
| PCB-109 (C86) | 32:55 | 10414695 | 1.59 | 1.1958 | 233.5 | 233.5 | 0.0285 | 0.0285 | | M |
| PCB-119 (C86) | 32:55 | 10414695 | 1.59 | 1.1958 | 233.5 | 233.5 | 0.0285 | 0.0285 | | M |
| PCB-125 (C86) | 32:55 | 10414695 | 1.59 | 1.1958 | 233.5 | 233.5 | 0.0285 | 0.0285 | | M |
| PCB-85 | 33:38 | 2267736 | 1.60 | 1.2126 | 50.1 | 50.1 | 0.0281 | 0.0281 | | |
| PCB-116 (C85) | 33:38 | 2267736 | 1.60 | 1.2126 | 50.1 | 50.1 | 0.0281 | 0.0281 | | |
| PCB-117 (C85) | 33:38 | 2267736 | 1.60 | 1.2126 | 50.1 | 50.1 | 0.0281 | 0.0281 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:48 | 21364782 | 1.55 | 1.3511 | 423.9 | 423.9 | 0.0252 | 0.0252 | | |
| PCB-115 (C110) | 33:48 | 21364782 | 1.55 | 1.3511 | 423.9 | 423.9 | 0.0252 | 0.0252 | | |
| PCB-82 | 34:07 | 1076394 | 1.59 | 0.8675 | 33.3 | 33.3 | 0.0393 | 0.0393 | | |
| PCB-111 | 34:30 | | | | | | 0.0239 | 0.0239 | | |
| PCB-120 | 34:59 | 265726 | 1.74 | 1.4907 | 4.779 | 4.779 | 0.0229 | 0.0229 | | |
| PCB-108 | 36:08 | 759376 | 1.56 | 1.2547 | 11.2 | 11.2 | 0.2825 | 0.2825 | | |
| PCB-124 (C108) | 36:08 | 759376 | 1.56 | 1.2547 | 11.2 | 11.2 | 0.2825 | 0.2825 | | |
| PCB-107 | 36:22 | 2157769 | 1.59 | 1.3580 | 29.4 | 29.4 | 0.2610 | 0.2610 | | M |
| PCB-123 | 36:29 | 248883 | 1.55 | 1.3407 | 3.564 | 3.564 | 0.2813 | 0.2813 | | Ma |
| PCB-106 | 36:34 | | | | | | 0.2781 | 0.2781 | | |
| PCB-118 | 36:49 | 22099896 | 1.57 | 1.2892 | 297.3 | 297.3 | 0.2540 | 0.2540 | | |
| PCB-122 | 37:09 | 231743 | 1.52 | 1.1614 | 3.697 | 3.697 | 0.3052 | 0.3052 | | |
| PCB-114 | 37:20 | 393118 | 1.55 | 1.4051 | 5.123 | 5.123 | 0.2500 | 0.2500 | | M |
| PCB-105 | 37:59 | 6071910 | 1.59 | 1.2887 | 91.1 | 91.1 | 0.2858 | 0.2858 | | |
| PCB-127 | 39:26 | | | | | | 0.2761 | 0.2761 | | |
| PCB-126 | 41:05 | 28526 | 1.37 | 1.3416 | 0.3949 | 0.3949 | 0.2627 | 0.2627 | | Ma |
| S Total Hexachlorobipheny | | | | | 2500.9 | 2500.8 | 0.0821 | 0.0821 | | RQ |
| D PCB-155L | 31:35 | 664482 | 1.28 | 0.9499 | 18.4 | 18.4 | 0.0388 | 0.0388 | 92.13 | |
| * PCB-138L | 39:55 | 892671 | 1.23 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:56 | 950255 | 1.23 | 1.2544 | 17.0 | 17.0 | 0.1016 | 0.1016 | 84.86 | |
| D PCB-156L | 44:04 | 1769123 | 1.34 | 1.2289 | 32.3 | 32.3 | 0.1037 | 0.1037 | 80.63 | |
| D PCB-157L (C156L) | 44:04 | 1769123 | 1.34 | 1.2289 | 32.3 | 32.3 | 0.1037 | 0.1037 | 80.63 | |
| D PCB-169L | 47:19 | 894623 | 1.27 | 1.0883 | 18.4 | 18.4 | 0.1171 | 0.1171 | 92.08 | |
| PCB-155 | 31:36 | | | | | | 0.0226 | 0.0226 | | |
| PCB-152 | 31:48 | 19776 | 1.20 | 1.2556 | 0.4740 | 0.4740 | 0.0234 | 0.0234 | | |
| PCB-150 | 31:57 | 167612 | 1.30 | 1.2368 | 4.079 | 4.079 | 0.0238 | 0.0238 | | |
| PCB-136 | 32:19 | 3369139 | 1.27 | 1.1563 | 87.7 | 87.7 | 0.0254 | 0.0254 | | |
| PCB-145 | 32:38 | 9143 | 1.24 | 1.1910 | 0.2830 | 0.2311 | 0.0247 | 0.0247 | | RQ |
| PCB-148 | 34:09 | 142667 | 1.23 | 0.8982 | 4.781 | 4.781 | 0.0327 | 0.0327 | | |
| PCB-135 | 34:44 | 6706174 | 1.26 | 0.8691 | 232.2 | 232.2 | 0.0338 | 0.0338 | | |
| PCB-151 (C135) | 34:44 | 6706174 | 1.26 | 0.8691 | 232.2 | 232.2 | 0.0338 | 0.0338 | | |
| PCB-154 | 35:00 | 940630 | 1.26 | 1.0180 | 27.8 | 27.8 | 0.0289 | 0.0289 | | |
| PCB-144 | 35:18 | 665687 | 1.27 | 0.9185 | 21.8 | 21.8 | 0.0320 | 0.0320 | | |
| PCB-147 | 35:39 | 19492455 | 1.24 | 0.9747 | 442.7 | 442.7 | 0.1135 | 0.1135 | | |
| PCB-149 (C147) | 35:39 | 19492455 | 1.24 | 0.9747 | 442.7 | 442.7 | 0.1135 | 0.1135 | | |
| PCB-134 | 35:51 | 1045624 | 1.27 | 0.8518 | 27.2 | 27.2 | 0.1299 | 0.1299 | | a |
| PCB-143 (C134) | 35:51 | 1045624 | 1.27 | 0.8518 | 27.2 | 27.2 | 0.1299 | 0.1299 | | a |
| PCB-139 | 36:16 | 552954 | 1.25 | 0.9995 | 12.2 | 12.2 | 0.1107 | 0.1107 | | |
| PCB-140 (C139) | 36:16 | 552954 | 1.25 | 0.9995 | 12.2 | 12.2 | 0.1107 | 0.1107 | | |
| PCB-131 | 36:28 | 244177 | 1.25 | 0.8584 | 6.297 | 6.297 | 0.1289 | 0.1289 | | |
| PCB-142 | 36:36 | | | | | | 0.1287 | 0.1287 | | |
| PCB-132 | 36:55 | 6951660 | 1.26 | 0.8801 | 174.9 | 174.9 | 0.1257 | 0.1257 | | |
| PCB-133 | 37:26 | 658369 | 1.25 | 0.9064 | 16.1 | 16.1 | 0.1221 | 0.1221 | | |
| PCB-165 | 37:49 | | | | | | 0.0987 | 0.0987 | | |
| PCB-146 | 38:04 | 5997970 | 1.26 | 1.0084 | 131.7 | 131.7 | 0.1097 | 0.1097 | | |
| PCB-161 | 38:12 | | | | | | 0.0827 | 0.0827 | | |
| PCB-153 | 38:42 | 26394440 | 1.25 | 1.2207 | 478.7 | 478.7 | 0.0906 | 0.0906 | | |
| PCB-168 (C153) | 38:42 | 26394440 | 1.25 | 1.2207 | 478.7 | 478.7 | 0.0906 | 0.0906 | | |
| PCB-141 | 38:53 | 3553415 | 1.26 | 0.9608 | 81.9 | 81.9 | 0.1151 | 0.1151 | | |
| PCB-130 | 39:17 | 1421940 | 1.25 | 0.8274 | 38.0 | 38.0 | 0.1337 | 0.1337 | | |
| PCB-137 | 39:31 | 845925 | 1.23 | 1.0582 | 17.7 | 17.7 | 0.1045 | 0.1045 | | |
| PCB-164 | 39:38 | 2144425 | 1.24 | 1.2527 | 37.9 | 37.9 | 0.0883 | 0.0883 | | |
| PCB-129 | 39:57 | 23093853 | 1.24 | 1.0840 | 471.6 | 471.6 | 0.1021 | 0.1021 | | |
| PCB-138 (C129) | 39:57 | 23093853 | 1.24 | 1.0840 | 471.6 | 471.6 | 0.1021 | 0.1021 | | |
| PCB-160 (C129) | 39:57 | 23093853 | 1.24 | 1.0840 | 471.6 | 471.6 | 0.1021 | 0.1021 | | |
| PCB-163 (C129) | 39:57 | 23093853 | 1.24 | 1.0840 | 471.6 | 471.6 | 0.1021 | 0.1021 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:20 | 2749058 | 1.28 | 1.3862 | 43.9 | 43.9 | 0.0798 | 0.0798 | | |
| PCB-128 | 41:12 | 3534741 | 1.27 | 1.1165 | 70.1 | 70.1 | 0.0991 | 0.0991 | | |
| PCB-166 (C128) | 41:12 | 3534741 | 1.27 | 1.1165 | 70.1 | 70.1 | 0.0991 | 0.0991 | | |
| PCB-159 | 42:09 | 332189 | 1.22 | 1.3178 | 5.580 | 5.580 | 0.0840 | 0.0840 | | |
| PCB-162 | 42:27 | | | | | | 0.0812 | 0.0812 | | |
| PCB-167 | 42:57 | 986036 | 1.24 | 1.3357 | 15.5 | 15.5 | 0.0682 | 0.0682 | | |
| PCB-156 | 44:05 | 2811491 | 1.24 | 1.2759 | 49.8 | 49.8 | 0.1049 | 0.1049 | | |
| PCB-157 (C156) | 44:05 | 2811491 | 1.24 | 1.2759 | 49.8 | 49.8 | 0.1049 | 0.1049 | | |
| PCB-169 | 47:19 | | | | | | 0.0762 | 0.0762 | | |
| S Total Heptachlorobiphen | | | | | 1366.4 | 1366.4 | 0.0316 | 0.0316 | | |
| D PCB-188L | 37:20 | 817166 | 1.07 | 1.3162 | 16.7 | 16.7 | 0.0492 | 0.0492 | 83.57 | |
| $ PCB-178L | 40:23 | 654237 | 1.08 | 0.9222 | 19.1 | 19.1 | 0.0702 | 0.0702 | 95.49 | |
| * PCB-180L | 45:29 | 742933 | 1.02 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:43 | 493873 | 1.04 | 0.8357 | 15.9 | 15.9 | 0.0774 | 0.0774 | 79.54 | |
| D PCB-189L | 49:51 | 679347 | 1.06 | 1.4666 | 10.5 | 10.5 | 0.3038 | 0.3038 | 52.50 | |
| PCB-188 | 37:20 | | | | | | 0.0206 | 0.0206 | | |
| PCB-179 | 37:40 | 3600106 | 1.06 | 1.4149 | 77.6 | 77.6 | 0.0233 | 0.0233 | | |
| PCB-184 | 38:12 | | | | | | 0.0232 | 0.0232 | | |
| PCB-176 | 38:33 | 1068077 | 1.05 | 1.5212 | 21.4 | 21.4 | 0.0217 | 0.0217 | | |
| PCB-186 | 39:00 | | | | | | 0.0230 | 0.0230 | | |
| PCB-178 | 40:24 | 1333128 | 1.04 | 1.0228 | 39.8 | 39.8 | 0.0323 | 0.0323 | | |
| PCB-175 | 41:02 | 253591 | 1.03 | 1.0690 | 7.238 | 7.238 | 0.0309 | 0.0309 | | |
| PCB-187 | 41:18 | 8002541 | 1.05 | 1.1106 | 219.8 | 219.8 | 0.0297 | 0.0297 | | |
| PCB-182 | 41:31 | 82702 | 0.99 | 1.1484 | 2.197 | 2.197 | 0.0287 | 0.0287 | | |
| PCB-183 | 41:55 | 4195276 | 1.05 | 1.1368 | 112.6 | 112.6 | 0.0290 | 0.0290 | | |
| PCB-185 (C183) | 41:55 | 4195276 | 1.05 | 1.1368 | 112.6 | 112.6 | 0.0290 | 0.0290 | | |
| PCB-174 | 42:09 | 5390748 | 1.06 | 0.9547 | 172.3 | 172.3 | 0.0346 | 0.0346 | | |
| PCB-177 | 42:35 | 3399436 | 1.06 | 0.9426 | 110.0 | 110.0 | 0.0350 | 0.0350 | | |
| PCB-181 | 43:00 | 58136 | 1.13 | 1.1075 | 1.602 | 1.602 | 0.0298 | 0.0298 | | |
| PCB-171 | 43:13 | 1614504 | 1.05 | 0.9603 | 51.3 | 51.3 | 0.0344 | 0.0344 | | |
| PCB-173 (C171) | 43:13 | 1614504 | 1.05 | 0.9603 | 51.3 | 51.3 | 0.0344 | 0.0344 | | |
| PCB-172 | 44:51 | 868098 | 1.01 | 0.9918 | 26.7 | 26.7 | 0.0333 | 0.0333 | | |
| PCB-192 | 45:06 | | | | | | 0.0256 | 0.0256 | | |
| PCB-180 | 45:30 | 13270711 | 1.04 | 1.2286 | 329.6 | 329.6 | 0.0269 | 0.0269 | | a |
| PCB-193 (C180) | 45:30 | 13270711 | 1.04 | 1.2286 | 329.6 | 329.6 | 0.0269 | 0.0269 | | a |
| PCB-191 | 45:51 | 319414 | 1.04 | 1.3848 | 7.037 | 7.037 | 0.0238 | 0.0238 | | |
| PCB-170 | 46:45 | 4747207 | 1.03 | 1.2700 | 151.4 | 151.4 | 0.0362 | 0.0362 | | |
| PCB-190 | 47:17 | 1362220 | 1.03 | 1.3774 | 30.2 | 30.2 | 0.0240 | 0.0240 | | |
| PCB-189 | 49:53 | 244181 | 1.08 | 1.2799 | 5.617 | 5.617 | 0.0969 | 0.0969 | | |
| S Total Octachlorobipheny | | | | | 329.1 | 329.1 | 0.0700 | 0.0700 | | |
| D PCB-202L | 42:42 | 689542 | 0.90 | 1.0055 | 18.5 | 18.5 | 0.0934 | 0.0934 | 92.30 | |
| * PCB-194L | 51:58 | 882359 | 0.94 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:26 | 859299 | 0.88 | 1.2867 | 15.1 | 15.1 | 0.2106 | 0.2106 | 75.69 | |
| PCB-202 | 42:43 | 573359 | 0.92 | 1.0531 | 15.8 | 15.8 | 0.0533 | 0.0533 | | |
| PCB-201 | 43:39 | 433555 | 0.92 | 1.1860 | 10.6 | 10.6 | 0.0473 | 0.0473 | | |
| PCB-204 | 44:18 | | | | | | 0.0510 | 0.0510 | | |
| PCB-197 | 44:33 | 114249 | 0.91 | 1.2053 | 2.749 | 2.749 | 0.0466 | 0.0466 | | |
| PCB-200 | 44:39 | 424406 | 0.89 | 1.1260 | 10.9 | 10.9 | 0.0498 | 0.0498 | | |
| PCB-198 | 47:28 | 2378123 | 0.90 | 0.8183 | 84.3 | 84.3 | 0.0686 | 0.0686 | | |
| PCB-199 (C198) | 47:28 | 2378123 | 0.90 | 0.8183 | 84.3 | 84.3 | 0.0686 | 0.0686 | | |
| PCB-196 | 48:07 | 1247653 | 0.92 | 0.8748 | 41.4 | 41.4 | 0.0641 | 0.0641 | | |
| PCB-203 | 48:19 | 1656794 | 0.91 | 0.9219 | 52.1 | 52.1 | 0.0609 | 0.0609 | | |
| PCB-195 | 49:38 | 858886 | 0.89 | 0.7839 | 25.5 | 25.5 | 0.1323 | 0.1323 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:59 | 3251628 | 0.90 | 0.9282 | 81.5 | 81.5 | 0.1118 | 0.1118 | | |
| PCB-205 | 52:28 | 222119 | 0.92 | 1.2342 | 4.189 | 4.189 | 0.0841 | 0.0841 | | |
| S Total Nonachlorobipheny | | | | | 85.8 | 64.4 | 0.1271 | 0.1271 | | RQ |
| D PCB-208L | 49:22 | 718110 | 0.83 | 1.1383 | 14.3 | 14.3 | 0.1881 | 0.1881 | 71.50 | |
| D PCB-206L | 54:12 | 569315 | 0.76 | 0.8938 | 14.4 | 14.4 | 0.2395 | 0.2395 | 72.18 | |
| PCB-208 | 49:24 | 364285 | 0.80 | 1.1567 | 8.771 | 8.771 | 0.1197 | 0.1197 | | |
| PCB-207 | 50:21 | 152281 | 0.77 | 1.3964 | 3.388 | 3.388 | 0.1117 | 0.1117 | | |
| PCB-206 | 54:10 | 1772876 | 0.77 | 1.1927 | 73.7 | 52.2 | 0.1498 | 0.1498 | | RQMa |
| D PCB-209L | 55:51 | 608393 | 0.72 | 0.9809 | 14.1 | 14.1 | 0.0816 | 0.0816 | 70.30 | |
| DCB Decachlorobiphenyl | 55:52 | 1220637 | 0.70 | 1.2455 | 32.2 | 32.2 | 0.0369 | 0.0369 | | |
| S Polychlorinated bipheny | | | | | 8324.8 | 32.2 | 0.0782 | 0.0782 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d
Lims ID: 580-88908-A-30-F
Client ID: J5-SC1b-60to70-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 05:07:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013345-008
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 23:23:03 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0304

First Level Reviewer: mcwhirterl Date: 10-Oct-2019 23:23:03

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:45 | 11:45 | -2 | 0.728 | 616260 | 234894 | 530 | 1325 | 443 | | |
| 202.0766 | 11:45 | 11:45 | -2 | 0.728 | 198525 | 73053 | 1477 | 3692 | 49 | 3.10(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:54 | -1 | 0.862 | 680818 | 231765 | 530 | 1325 | 437 | | |
| 202.0766 | 13:55 | 13:54 | -1 | 0.862 | 205717 | 68384 | 1477 | 3692 | 46 | 3.31(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:46 | 11:44 | -2 | 1.001 | 72885 | 28299 | 143 | 357 | 198 | | |
| 190.0363 | 11:46 | 11:44 | -2 | 1.001 | 22728 | 8840 | 89 | 222 | 99 | 3.21(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:46 | 13:44 | -1 | 0.989 | 11204 | 4131 | 143 | 357 | 29 | | |
| 190.0363 | 13:45 | 13:44 | -2 | 0.988 | 4210 | 1106 | 89 | 222 | 12 | 2.66(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | 13:54 | -1 | 1.001 | 60242 | 19769 | 143 | 357 | 138 | | |
| 190.0363 | 13:56 | 13:54 | -1 | 1.001 | 16741 | 5438 | 89 | 222 | 61 | 3.60(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:10 | -2 | 0.878 | 248043 | 82081 | 405 | 1012 | 203 | | |
| 236.0376 | 14:10 | 14:10 | -2 | 0.878 | 153895 | 49717 | 200 | 500 | 249 | 1.61(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:08 | 16:09 | -1 | | 693833 | 207976 | 405 | 1012 | 514 | | |
| 236.0376 | 16:08 | 16:09 | -1 | | 432707 | 133345 | 200 | 500 | 667 | 1.60(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:02 | -1 | 1.243 | 615003 | 148818 | 405 | 1012 | 367 | | |
| 236.0376 | 20:04 | 20:02 | -1 | 1.243 | 379658 | 96069 | 200 | 500 | 480 | 1.62(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:12 | 14:09 | -1 | 1.002 | 59079 | 19678 | 128 | 320 | 154 | | |
| 223.9974 | 14:12 | 14:09 | -1 | 1.002 | 37783 | 12134 | 148 | 370 | 82 | 1.56(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | RQ |
| 222.0003 | 14:22 | 14:19 | -1 | 1.014 | 6116 | 1871 | 128 | 320 | 15 | | |
| 223.9974 | 14:22 | 14:19 | -1 | 1.014 | 4704 | 1513 | 148 | 370 | 10 | 1.30(1.33-1.79) | |
| | Empc Correction | | | | 3920 | 1199 | 148 | 370 | 8 | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:09 | 16:07 | -2 | 1.140 | 21286 | 6453 | 128 | 320 | 50 | | |
| 223.9974 | 16:09 | 16:07 | -2 | 1.140 | 13913 | 4212 | 148 | 370 | 28 | 1.53(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:19 | 16:16 | -1 | 1.152 | 19256 | 5798 | 128 | 320 | 45 | | |
| 223.9974 | 16:19 | 16:16 | -1 | 1.152 | 13155 | 3719 | 148 | 370 | 25 | 1.46(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:34 | 16:31 | -1 | 1.169 | 100662 | 29993 | 128 | 320 | 234 | | |
| 223.9974 | 16:34 | 16:31 | -1 | 1.169 | 59316 | 17746 | 148 | 370 | 120 | 1.70(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | RQ |
| 222.0003 | 16:52 | 16:49 | -1 | 1.191 | 6822 | 2115 | 128 | 320 | 17 | | |
| | Empc Correction | | | | 5129 | 1781 | 128 | 320 | 14 | | |
| 223.9974 | 16:52 | 16:49 | -1 | 1.191 | 3288 | 1142 | 148 | 370 | 8 | 2.07(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:59 | 16:57 | -2 | 1.199 | 399193 | 111568 | 128 | 320 | 872 | | |
| 223.9974 | 16:59 | 16:57 | -2 | 1.199 | 248292 | 72987 | 148 | 370 | 493 | 1.61(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:36 | | | | | | 128 | 320 | | | |
| 223.9974 | 18:36 | | | | | | 148 | 370 | | | |
| PCB-11 | | | | | | | | | | | RQ |
| 222.0003 | 19:28 | 19:28 | -1 | 0.970 | 11183 | 2594 | 128 | 320 | 20 | | |
| | Empc Correction | | | | 6945 | 1675 | 128 | 320 | 13 | | |
| 223.9974 | 19:28 | 19:28 | -1 | 0.970 | 4452 | 1074 | 148 | 370 | 7 | 2.51(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:47 | -2 | 0.984 | 43404 | 8076 | 128 | 320 | 63 | | |
| 223.9974 | 19:46 | 19:47 | -1 | 0.985 | 26441 | 4912 | 148 | 370 | 33 | 1.64(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:47 | -2 | 0.984 | 43404 | 8076 | 128 | 320 | 63 | | |
| 223.9974 | 19:46 | 19:47 | -1 | 0.985 | 26441 | 4912 | 148 | 370 | 33 | 1.64(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:05 | 20:05 | 0 | 1.001 | 196515 | 46201 | 128 | 320 | 361 | | |
| 223.9974 | 20:05 | 20:05 | -1 | 1.001 | 125631 | 29130 | 148 | 370 | 197 | 1.56(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:17 | 17:17 | -1 | 0.841 | 167684 | 50310 | 498 | 1245 | 101 | | |
| 269.9986 | 17:17 | 17:17 | -1 | 0.841 | 174815 | 50763 | 296 | 740 | 171 | 0.96(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:33 | -1 | | 424587 | 103372 | 498 | 1245 | 208 | | |
| 269.9986 | 20:32 | 20:33 | -1 | | 376387 | 101046 | 296 | 740 | 341 | 1.13(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:48 | 22:49 | -1 | | 714941 | 170211 | 590 | 1475 | 288 | | |
| 269.9986 | 22:49 | 22:49 | 0 | | 676147 | 163934 | 248 | 620 | 661 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:06 | 23:06 | 0 | 1.013 | 658780 | 158474 | 590 | 1475 | 269 | | |
| 269.9986 | 23:06 | 23:06 | 0 | 1.013 | 595708 | 141785 | 248 | 620 | 572 | 1.11(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:07 | 27:06 | 0 | 1.189 | 770482 | 172959 | 590 | 1475 | 293 | | |
| 269.9986 | 27:07 | 27:06 | 0 | 1.189 | 706507 | 151174 | 248 | 620 | 610 | 1.09(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:17 | 17:17 | -1 | 1.001 | 26508 | 7740 | 35 | 87 | 221 | | |
| 257.9584 | 17:17 | 17:17 | -1 | 1.001 | 25362 | 7289 | 48 | 120 | 152 | 1.05(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:08 | 1 | 1.110 | 401184 | 104676 | 35 | 87 | 2991 | | |
| 257.9584 | 19:10 | 19:08 | 0 | 1.109 | 378782 | 99971 | 48 | 120 | 2083 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:08 | 1 | 1.110 | 401184 | 104676 | 35 | 87 | 2991 | | |
| 257.9584 | 19:10 | 19:08 | 0 | 1.109 | 378782 | 99971 | 48 | 120 | 2083 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:35 | 19:34 | -1 | 1.133 | 239909 | 63534 | 35 | 87 | 1815 | | |
| 257.9584 | 19:35 | 19:34 | -1 | 1.133 | 214315 | 56677 | 48 | 120 | 1181 | 1.12(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:47 | 19:47 | -1 | 1.145 | 39793 | 10190 | 35 | 87 | 291 | | |
| 257.9584 | 19:47 | 19:47 | -1 | 1.145 | 36982 | 9760 | 48 | 120 | 203 | 1.08(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:56 | 19:55 | -1 | 1.154 | 5485 | 1459 | 35 | 87 | 42 | | |
| 257.9584 | 19:56 | 19:55 | -1 | 1.154 | 5446 | 1385 | 48 | 120 | 29 | 1.01(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:02 | 20:01 | -1 | 1.160 | 123234 | 32169 | 35 | 87 | 919 | | |
| 257.9584 | 20:02 | 20:01 | -1 | 1.160 | 118343 | 31057 | 48 | 120 | 647 | 1.04(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | 20:32 | -1 | 1.190 | 198103 | 51550 | 35 | 87 | 1473 | | |
| 257.9584 | 20:34 | 20:32 | -1 | 1.190 | 191015 | 49097 | 48 | 120 | 1023 | 1.04(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:49 | 21:47 | -1 | 1.263 | 31526 | 7806 | 636 | 1590 | 12 | | |
| 257.9584 | 21:49 | 21:47 | -1 | 1.263 | 29279 | 6905 | 455 | 1137 | 15 | 1.08(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:56 | | | | | | 636 | 1590 | | | |
| 257.9584 | 21:56 | | | | | | 455 | 1137 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:16 | -1 | 1.290 | 283204 | 68745 | 636 | 1590 | 108 | | |
| 257.9584 | 22:17 | 22:16 | -1 | 1.290 | 250926 | 62339 | 455 | 1137 | 137 | 1.13(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:16 | -1 | 1.290 | 283204 | 68745 | 636 | 1590 | 108 | | |
| 257.9584 | 22:17 | 22:16 | -1 | 1.290 | 250926 | 62339 | 455 | 1137 | 137 | 1.13(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:31 | 22:32 | 0 | 0.831 | 192103 | 45666 | 636 | 1590 | 72 | | |
| 257.9584 | 22:31 | 22:32 | 0 | 0.831 | 176410 | 42695 | 455 | 1137 | 94 | 1.09(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:50 | 22:51 | -1 | 0.842 | 1476653 | 367087 | 636 | 1590 | 577 | | |
| 257.9584 | 22:50 | 22:51 | -1 | 0.842 | 1342050 | 332236 | 455 | 1137 | 730 | 1.10(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:09 | -1 | 0.853 | 2090658 | 496464 | 636 | 1590 | 781 | | |
| 257.9584 | 23:07 | 23:09 | -1 | 0.853 | 1895399 | 455994 | 455 | 1137 | 1002 | 1.10(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:09 | -1 | 0.853 | 2090658 | 496464 | 636 | 1590 | 781 | | |
| 257.9584 | 23:07 | 23:09 | -1 | 0.853 | 1895399 | 455994 | 455 | 1137 | 1002 | 1.10(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:22 | 23:23 | -1 | 0.862 | 879887 | 206648 | 636 | 1590 | 325 | | |
| 257.9584 | 23:22 | 23:23 | -1 | 0.862 | 808329 | 192730 | 455 | 1137 | 424 | 1.09(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:22 | 23:23 | -1 | 0.862 | 879887 | 206648 | 636 | 1590 | 325 | | |
| 257.9584 | 23:22 | 23:23 | -1 | 0.862 | 808329 | 192730 | 455 | 1137 | 424 | 1.09(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:45 | 23:46 | -1 | 0.876 | 343375 | 82146 | 636 | 1590 | 129 | | |
| 257.9584 | 23:45 | 23:46 | -1 | 0.876 | 322880 | 77506 | 455 | 1137 | 170 | 1.06(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:19 | | | | | | 636 | 1590 | | | |
| 257.9584 | 25:19 | | | | | | 455 | 1137 | | | |
| PCB-39 | | | | | | | | | | | M |
| 255.9613 | 25:41 | 25:41 | 1 | 0.947 | 40358 | 8030 | 636 | 1590 | 13 | | M |
| 257.9584 | 25:41 | 25:41 | 1 | 0.947 | 36675 | 6828 | 455 | 1137 | 15 | 1.10(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:13 | | | | | | 636 | 1590 | | | |
| 257.9584 | 26:13 | | | | | | 455 | 1137 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:44 | 26:44 | 0 | 0.986 | 20730 | 5151 | 636 | 1590 | 8 | | |
| 257.9584 | 26:44 | 26:44 | 0 | 0.986 | 20185 | 4448 | 455 | 1137 | 10 | 1.03(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:08 | 27:08 | 1 | 1.001 | 560207 | 121465 | 636 | 1590 | 191 | | |
| 257.9584 | 27:08 | 27:08 | 1 | 1.001 | 510507 | 113079 | 455 | 1137 | 249 | 1.10(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:23 | -1 | 0.817 | 158663 | 39401 | 77 | 192 | 512 | | |
| 303.9597 | 20:22 | 20:23 | -1 | 0.817 | 202725 | 52287 | 86 | 215 | 608 | 0.78(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:56 | 24:56 | 0 | | 374043 | 85259 | 171 | 427 | 499 | | |
| 303.9597 | 24:56 | 24:56 | 0 | | 461563 | 111655 | 37 | 92 | 3018 | 0.81(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:53 | 33:52 | 1 | 1.359 | 407137 | 82749 | 171 | 427 | 484 | | |
| 303.9597 | 33:53 | 33:52 | 1 | 1.359 | 509204 | 106483 | 37 | 92 | 2878 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:26 | 34:27 | 0 | 1.381 | 466106 | 95291 | 171 | 427 | 557 | | |
| 303.9597 | 34:26 | 34:27 | 0 | 1.381 | 572621 | 118736 | 37 | 92 | 3209 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:23 | 20:24 | -1 | 1.000 | 4321 | 1063 | 5 | 12 | 213 | | |
| 291.9194 | 20:23 | 20:24 | -1 | 1.000 | 5653 | 1274 | 8 | 20 | 159 | 0.76(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:34 | -2 | 1.107 | 258464 | 61277 | 248 | 620 | 247 | | |
| 291.9194 | 22:33 | 22:34 | -2 | 1.107 | 326984 | 77534 | 265 | 662 | 293 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:34 | -2 | 1.107 | 258464 | 61277 | 248 | 620 | 247 | | |
| 291.9194 | 22:33 | 22:34 | -2 | 1.107 | 326984 | 77534 | 265 | 662 | 293 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:13 | 23:13 | -5 | 1.140 | 276460 | 34418 | 248 | 620 | 139 | | M |
| 291.9194 | 23:12 | 23:13 | -6 | 1.140 | 342869 | 44616 | 265 | 662 | 168 | 0.81(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:13 | 23:13 | -5 | 1.140 | 276460 | 34418 | 248 | 620 | 139 | | M |
| 291.9194 | 23:12 | 23:13 | -6 | 1.140 | 342869 | 44616 | 265 | 662 | 168 | 0.81(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:31 | 23:32 | -1 | 1.155 | 71306 | 16818 | 248 | 620 | 68 | | |
| 291.9194 | 23:31 | 23:32 | -1 | 1.155 | 85758 | 20435 | 265 | 662 | 77 | 0.83(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | M |
| 289.9224 | 24:58 | 24:57 | 0 | 1.226 | 5057452 | 1190494 | 248 | 620 | 4800 | | M |
| 291.9194 | 24:58 | 24:57 | 0 | 1.226 | 6358850 | 1490435 | 265 | 662 | 5624 | 0.80(0.65-0.89) | M |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:11 | 25:06 | 5 | 1.237 | 59464 | 8613 | 248 | 620 | 35 | | M |
| 291.9194 | 25:11 | 25:06 | 5 | 1.237 | 85438 | 11827 | 265 | 662 | 45 | 0.70(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:11 | 25:06 | 5 | 1.237 | 59464 | 8613 | 248 | 620 | 35 | | M |
| 291.9194 | 25:11 | 25:06 | 5 | 1.237 | 85438 | 11827 | 265 | 662 | 45 | 0.70(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:27 | 25:24 | 2 | 1.250 | 2793511 | 641689 | 248 | 620 | 2587 | | |
| 291.9194 | 25:27 | 25:24 | 2 | 1.250 | 3534709 | 811869 | 265 | 662 | 3064 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:27 | 25:24 | 2 | 1.250 | 2793511 | 641689 | 248 | 620 | 2587 | | |
| 291.9194 | 25:27 | 25:24 | 2 | 1.250 | 3534709 | 811869 | 265 | 662 | 3064 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:44 | 25:43 | 0 | 1.264 | 274738 | 63448 | 248 | 620 | 256 | | |
| 291.9194 | 25:44 | 25:43 | 0 | 1.264 | 348256 | 80944 | 265 | 662 | 305 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:58 | -1 | 1.275 | 3186014 | 511714 | 248 | 620 | 2063 | | |
| 291.9194 | 25:57 | 25:58 | -1 | 1.275 | 4112258 | 662543 | 265 | 662 | 2500 | 0.77(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:58 | -1 | 1.275 | 3186014 | 511714 | 248 | 620 | 2063 | | |
| 291.9194 | 25:57 | 25:58 | -1 | 1.275 | 4112258 | 662543 | 265 | 662 | 2500 | 0.77(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:58 | -1 | 1.275 | 3186014 | 511714 | 248 | 620 | 2063 | | |
| 291.9194 | 25:57 | 25:58 | -1 | 1.275 | 4112258 | 662543 | 265 | 662 | 2500 | 0.77(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:16 | 2 | 1.292 | 217031 | 32779 | 248 | 620 | 132 | | |
| 291.9194 | 26:18 | 26:16 | 2 | 1.292 | 271559 | 42321 | 265 | 662 | 160 | 0.80(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:16 | 2 | 1.292 | 217031 | 32779 | 248 | 620 | 132 | | |
| 291.9194 | 26:18 | 26:16 | 2 | 1.292 | 271559 | 42321 | 265 | 662 | 160 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:16 | 2 | 1.292 | 217031 | 32779 | 248 | 620 | 132 | | |
| 291.9194 | 26:18 | 26:16 | 2 | 1.292 | 271559 | 42321 | 265 | 662 | 160 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:29 | 26:29 | 0 | 1.301 | 580257 | 129668 | 248 | 620 | 523 | | |
| 291.9194 | 26:29 | 26:29 | 0 | 1.301 | 742879 | 166037 | 265 | 662 | 627 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:59 | 26:58 | 0 | 1.325 | 906262 | 192544 | 248 | 620 | 776 | | M |
| 291.9194 | 26:59 | 26:58 | 0 | 1.325 | 1152528 | 239794 | 265 | 662 | 905 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:59 | 26:58 | 0 | 1.325 | 906262 | 192544 | 248 | 620 | 776 | | M |
| 291.9194 | 26:59 | 26:58 | 0 | 1.325 | 1152528 | 239794 | 265 | 662 | 905 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:59 | 26:58 | 0 | 1.325 | 906262 | 192544 | 248 | 620 | 776 | | M |
| 291.9194 | 26:59 | 26:58 | 0 | 1.325 | 1152528 | 239794 | 265 | 662 | 905 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:12 | 27:11 | 0 | 1.336 | 1269178 | 286732 | 248 | 620 | 1156 | | |
| 291.9194 | 27:12 | 27:11 | 0 | 1.336 | 1585539 | 357954 | 265 | 662 | 1351 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:02 | 28:07 | 0 | 0.828 | 215906 | 47585 | 248 | 620 | 192 | | |
| 291.9194 | 28:02 | 28:07 | 0 | 0.828 | 273620 | 61330 | 265 | 662 | 231 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:20 | 28:24 | 1 | 0.836 | 137075 | 29458 | 248 | 620 | 119 | | |
| 291.9194 | 28:20 | 28:24 | 1 | 0.836 | 177305 | 37019 | 265 | 662 | 140 | 0.77(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:43 | | | | | | 248 | 620 | | | |
| 291.9194 | 28:43 | | | | | | 265 | 662 | | | |
| PCB-58 | | | | | | | | | | | Ma |
| 289.9224 | 28:58 | 29:04 | -1 | 0.855 | 31541 | 7964 | 248 | 620 | 32 | | M |
| 291.9194 | 29:00 | 29:04 | 1 | 0.856 | 44631 | 11030 | 265 | 662 | 42 | 0.71(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:10 | 29:14 | 1 | 0.861 | 58915 | 12018 | 248 | 620 | 48 | | |
| 291.9194 | 29:10 | 29:14 | 1 | 0.861 | 78994 | 17086 | 265 | 662 | 64 | 0.75(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:26 | 29:30 | 1 | 0.869 | 119891 | 26421 | 248 | 620 | 107 | | |
| 291.9194 | 29:26 | 29:30 | 1 | 0.869 | 147807 | 32300 | 265 | 662 | 122 | 0.81(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:49 | 0 | 0.878 | 7039020 | 1262853 | 248 | 620 | 5092 | | |
| 291.9194 | 29:45 | 29:49 | 0 | 0.878 | 8858888 | 1580080 | 265 | 662 | 5963 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:49 | 0 | 0.878 | 7039020 | 1262853 | 248 | 620 | 5092 | | |
| 291.9194 | 29:45 | 29:49 | 0 | 0.878 | 8858888 | 1580080 | 265 | 662 | 5963 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:49 | 0 | 0.878 | 7039020 | 1262853 | 248 | 620 | 5092 | | |
| 291.9194 | 29:45 | 29:49 | 0 | 0.878 | 8858888 | 1580080 | 265 | 662 | 5963 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:49 | 0 | 0.878 | 7039020 | 1262853 | 248 | 620 | 5092 | | |
| 291.9194 | 29:45 | 29:49 | 0 | 0.878 | 8858888 | 1580080 | 265 | 662 | 5963 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:04 | 30:09 | 0 | 0.888 | 3617319 | 749828 | 248 | 620 | 3024 | | |
| 291.9194 | 30:04 | 30:09 | 0 | 0.888 | 4549245 | 950475 | 265 | 662 | 3587 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:15 | | | | | | 248 | 620 | | | |
| 291.9194 | 30:15 | | | | | | 265 | 662 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:45 | 30:49 | 1 | 0.908 | 988156 | 209600 | 248 | 620 | 845 | | |
| 291.9194 | 30:45 | 30:49 | 1 | 0.908 | 1254998 | 273154 | 265 | 662 | 1031 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:58 | 31:02 | 1 | 0.914 | 146322 | 30895 | 248 | 620 | 125 | | |
| 291.9194 | 30:58 | 31:02 | 1 | 0.914 | 196157 | 40020 | 265 | 662 | 151 | 0.75(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:20 | | | | | | 248 | 620 | | | |
| 291.9194 | 31:20 | | | | | | 265 | 662 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:55 | 32:59 | 1 | 0.971 | 148689 | 30548 | 248 | 620 | 123 | | |
| 291.9194 | 32:55 | 32:59 | 1 | 0.971 | 180917 | 37308 | 265 | 662 | 141 | 0.82(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:25 | | | | | | 248 | 620 | | | |
| 291.9194 | 33:25 | | | | | | 265 | 662 | | | |
| PCB-81 | | | | | | | | | | | RQMa |
| 289.9224 | 33:53 | 33:58 | 0 | 1.000 | 7044 | 2817 | 248 | 620 | 11 | | M |
| | Empc Correction | | | | 2961 | 1834 | 248 | 620 | 7 | | |
| 291.9194 | 33:53 | 33:58 | 0 | 1.000 | 3846 | 2383 | 265 | 662 | 9 | 1.83(0.65-0.89) | M |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:28 | 34:30 | 1 | 1.001 | 164719 | 34136 | 248 | 620 | 138 | | |
| 291.9194 | 34:28 | 34:30 | 1 | 1.001 | 204739 | 43482 | 265 | 662 | 164 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:53 | 25:56 | 0 | 0.814 | 464945 | 103848 | 113 | 282 | 919 | | |
| 339.9178 | 25:53 | 25:56 | 0 | 0.814 | 281101 | 63455 | 16 | 40 | 3966 | 1.65(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:48 | 31:48 | 1 | | 473066 | 104403 | 113 | 282 | 924 | | |
| 339.9178 | 31:48 | 31:48 | 1 | | 286224 | 61046 | 16 | 40 | 3815 | 1.65(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:30 | 34:32 | 1 | 1.085 | 504329 | 105335 | 113 | 282 | 932 | | |
| 339.9178 | 34:30 | 34:32 | 1 | 1.085 | 326236 | 69852 | 16 | 40 | 4366 | 1.55(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:28 | 36:30 | 1 | 1.147 | 638272 | 128368 | 841 | 2102 | 153 | | |
| 339.9178 | 36:27 | 36:30 | 1 | 1.146 | 403370 | 78191 | 638 | 1595 | 123 | 1.58(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:47 | 36:50 | 1 | 1.156 | 710603 | 147558 | 841 | 2102 | 175 | | |
| 339.9178 | 36:48 | 36:50 | 1 | 1.157 | 442453 | 90383 | 638 | 1595 | 142 | 1.61(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:19 | 37:21 | 1 | 1.173 | 673922 | 139777 | 841 | 2102 | 166 | | |
| 339.9178 | 37:19 | 37:21 | 1 | 1.173 | 418395 | 81966 | 638 | 1595 | 128 | 1.61(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:57 | 38:00 | 1 | 1.193 | 632496 | 129865 | 841 | 2102 | 154 | | |
| 339.9178 | 37:58 | 38:00 | 2 | 1.194 | 401708 | 81643 | 638 | 1595 | 128 | 1.57(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:27 | 39:25 | 1 | | 763943 | 150099 | 841 | 2102 | 178 | | |
| 339.9178 | 39:27 | 39:25 | 1 | | 479954 | 97565 | 638 | 1595 | 153 | 1.59(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:03 | 41:06 | 1 | 1.291 | 673180 | 142140 | 841 | 2102 | 169 | | |
| 339.9178 | 41:03 | 41:06 | 1 | 1.291 | 403600 | 78866 | 638 | 1595 | 124 | 1.67(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | | | | | | 49 | 122 | | | |
| 327.8775 | 25:53 | | | | | | 65 | 162 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:16 | 26:18 | -1 | 1.015 | 74338 | 16971 | 49 | 122 | 346 | | |
| 327.8775 | 26:16 | 26:18 | -1 | 1.015 | 48536 | 11002 | 65 | 162 | 169 | 1.53(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:13 | 28:14 | 0 | 1.090 | 349626 | 77611 | 49 | 122 | 1584 | | |
| 327.8775 | 28:13 | 28:14 | 0 | 1.090 | 228009 | 49415 | 65 | 162 | 760 | 1.53(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:24 | | | | | | 49 | 122 | | | |
| 327.8775 | 28:24 | | | | | | 65 | 162 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:53 | 28:54 | 0 | 1.115 | 7750165 | 1715541 | 49 | 122 | 35011 | | |
| 327.8775 | 28:53 | 28:54 | 0 | 1.115 | 4976057 | 1097060 | 65 | 162 | 16878 | 1.56(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:06 | 29:07 | 1 | 1.124 | 218876 | 43956 | 49 | 122 | 897 | | |
| 327.8775 | 29:06 | 29:07 | 0 | 1.124 | 137167 | 25422 | 65 | 162 | 391 | 1.60(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:06 | 29:07 | 1 | 1.124 | 218876 | 43956 | 49 | 122 | 897 | | |
| 327.8775 | 29:06 | 29:07 | 0 | 1.124 | 137167 | 25422 | 65 | 162 | 391 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:15 | 29:16 | 0 | 1.130 | 299016 | 52658 | 49 | 122 | 1075 | | |
| 327.8775 | 29:15 | 29:16 | 0 | 1.130 | 190724 | 32401 | 65 | 162 | 498 | 1.57(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:15 | 29:16 | 0 | 1.130 | 299016 | 52658 | 49 | 122 | 1075 | | |
| 327.8775 | 29:15 | 29:16 | 0 | 1.130 | 190724 | 32401 | 65 | 162 | 498 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:45 | 29:46 | 0 | 1.149 | 1805663 | 401680 | 49 | 122 | 8198 | | |
| 327.8775 | 29:45 | 29:46 | 0 | 1.149 | 1124895 | 252814 | 65 | 162 | 3889 | 1.61(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:45 | 29:46 | 0 | 1.149 | 1805663 | 401680 | 49 | 122 | 8198 | | |
| 327.8775 | 29:45 | 29:46 | 0 | 1.149 | 1124895 | 252814 | 65 | 162 | 3889 | 1.61(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:58 | 29:59 | 0 | 1.157 | 2131370 | 454085 | 49 | 122 | 9267 | | |
| 327.8775 | 29:58 | 29:59 | 0 | 1.157 | 1353584 | 290509 | 65 | 162 | 4469 | 1.57(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:27 | | | | | | 49 | 122 | | | |
| 327.8775 | 30:27 | | | | | | 65 | 162 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:50 | | | | | | 49 | 122 | | | |
| 327.8775 | 30:50 | | | | | | 65 | 162 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:15 | 31:18 | 1 | 0.857 | 2490459 | 541000 | 49 | 122 | 11041 | | |
| 327.8775 | 31:15 | 31:18 | 1 | 0.857 | 1587631 | 341269 | 65 | 162 | 5250 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:49 | 1 | 1.229 | 12311204 | 2565367 | 49 | 122 | 52354 | | |
| 327.8775 | 31:50 | 31:49 | 1 | 1.229 | 7893702 | 1658396 | 65 | 162 | 25514 | 1.56(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:49 | 1 | 1.229 | 12311204 | 2565367 | 49 | 122 | 52354 | | |
| 327.8775 | 31:50 | 31:49 | 1 | 1.229 | 7893702 | 1658396 | 65 | 162 | 25514 | 1.56(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:49 | 1 | 1.229 | 12311204 | 2565367 | 49 | 122 | 52354 | | |
| 327.8775 | 31:50 | 31:49 | 1 | 1.229 | 7893702 | 1658396 | 65 | 162 | 25514 | 1.56(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:25 | 32:24 | 1 | 1.252 | 6576656 | 1286155 | 49 | 122 | 26248 | | M |
| 327.8775 | 32:25 | 32:24 | 1 | 1.252 | 4198048 | 812694 | 65 | 162 | 12503 | 1.57(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:25 | 32:24 | 1 | 1.252 | 6576656 | 1286155 | 49 | 122 | 26248 | | M |
| 327.8775 | 32:25 | 32:24 | 1 | 1.252 | 4198048 | 812694 | 65 | 162 | 12503 | 1.57(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | | | | | | 49 | 122 | | | |
| 327.8775 | 32:29 | | | | | | 65 | 162 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:54 | 1 | 1.271 | 6389790 | 719623 | 49 | 122 | 14686 | | M |
| 327.8775 | 32:55 | 32:54 | 1 | 1.271 | 4024905 | 452417 | 65 | 162 | 6960 | 1.59(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:54 | 1 | 1.271 | 6389790 | 719623 | 49 | 122 | 14686 | | M |
| 327.8775 | 32:55 | 32:54 | 1 | 1.271 | 4024905 | 452417 | 65 | 162 | 6960 | 1.59(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:54 | 1 | 1.271 | 6389790 | 719623 | 49 | 122 | 14686 | | M |
| 327.8775 | 32:55 | 32:54 | 1 | 1.271 | 4024905 | 452417 | 65 | 162 | 6960 | 1.59(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:54 | 1 | 1.271 | 6389790 | 719623 | 49 | 122 | 14686 | | M |
| 327.8775 | 32:55 | 32:54 | 1 | 1.271 | 4024905 | 452417 | 65 | 162 | 6960 | 1.59(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:54 | 1 | 1.271 | 6389790 | 719623 | 49 | 122 | 14686 | | M |
| 327.8775 | 32:55 | 32:54 | 1 | 1.271 | 4024905 | 452417 | 65 | 162 | 6960 | 1.59(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:54 | 1 | 1.271 | 6389790 | 719623 | 49 | 122 | 14686 | | M |
| 327.8775 | 32:55 | 32:54 | 1 | 1.271 | 4024905 | 452417 | 65 | 162 | 6960 | 1.59(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:38 | 1 | 1.299 | 1396679 | 235213 | 49 | 122 | 4800 | | |
| 327.8775 | 33:38 | 33:38 | 1 | 1.299 | 871057 | 142059 | 65 | 162 | 2186 | 1.60(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:38 | 1 | 1.299 | 1396679 | 235213 | 49 | 122 | 4800 | | |
| 327.8775 | 33:38 | 33:38 | 1 | 1.299 | 871057 | 142059 | 65 | 162 | 2186 | 1.60(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:38 | 1 | 1.299 | 1396679 | 235213 | 49 | 122 | 4800 | | |
| 327.8775 | 33:38 | 33:38 | 1 | 1.299 | 871057 | 142059 | 65 | 162 | 2186 | 1.60(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:48 | 33:52 | -3 | 1.306 | 12980893 | 2665699 | 49 | 122 | 54402 | | |
| 327.8775 | 33:48 | 33:52 | -3 | 1.306 | 8383889 | 1727975 | 65 | 162 | 26584 | 1.55(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:48 | 33:52 | -3 | 1.306 | 12980893 | 2665699 | 49 | 122 | 54402 | | |
| 327.8775 | 33:48 | 33:52 | -3 | 1.306 | 8383889 | 1727975 | 65 | 162 | 26584 | 1.55(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:07 | 34:08 | 0 | 1.318 | 660181 | 126859 | 49 | 122 | 2589 | | |
| 327.8775 | 34:06 | 34:08 | 0 | 1.317 | 416213 | 80220 | 65 | 162 | 1234 | 1.59(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | | | | | | 49 | 122 | | | |
| 327.8775 | 34:28 | | | | | | 65 | 162 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:59 | 34:59 | 1 | 1.351 | 168808 | 30664 | 49 | 122 | 626 | | |
| 327.8775 | 34:59 | 34:59 | 1 | 1.351 | 96918 | 18196 | 65 | 162 | 280 | 1.74(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:08 | 36:07 | 1 | 1.395 | 462858 | 96653 | 977 | 2442 | 99 | | |
| 327.8775 | 36:08 | 36:07 | 1 | 1.395 | 296518 | 62325 | 581 | 1452 | 107 | 1.56(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:08 | 36:07 | 1 | 1.395 | 462858 | 96653 | 977 | 2442 | 99 | | |
| 327.8775 | 36:08 | 36:07 | 1 | 1.395 | 296518 | 62325 | 581 | 1452 | 107 | 1.56(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:22 | 36:22 | 1 | 1.405 | 1323577 | 262112 | 977 | 2442 | 268 | | M |
| 327.8775 | 36:22 | 36:22 | 1 | 1.405 | 834192 | 162342 | 581 | 1452 | 279 | 1.59(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:29 | 36:32 | 1 | 1.000 | 151442 | 36460 | 977 | 2442 | 37 | | M |
| 327.8775 | 36:29 | 36:32 | 1 | 1.000 | 97441 | 24496 | 581 | 1452 | 42 | 1.55(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:32 | | | | | | 977 | 2442 | | | |
| 327.8775 | 36:32 | | | | | | 581 | 1452 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:49 | 36:54 | 1 | 1.001 | 13488189 | 2695286 | 977 | 2442 | 2759 | | |
| 327.8775 | 36:49 | 36:54 | 1 | 1.001 | 8611707 | 1701936 | 581 | 1452 | 2929 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:09 | 37:14 | 1 | 1.010 | 139876 | 25083 | 977 | 2442 | 26 | | |
| 327.8775 | 37:09 | 37:14 | 1 | 1.010 | 91867 | 16262 | 581 | 1452 | 28 | 1.52(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | M |
| 325.8804 | 37:20 | 37:25 | 1 | 1.001 | 238918 | 45338 | 977 | 2442 | 46 | | M |
| 327.8775 | 37:20 | 37:25 | 1 | 1.001 | 154200 | 28990 | 581 | 1452 | 50 | 1.55(1.32-1.78) | M |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:59 | 38:04 | 1 | 1.001 | 3728131 | 735859 | 977 | 2442 | 753 | | |
| 327.8775 | 37:59 | 38:04 | 1 | 1.001 | 2343779 | 458036 | 581 | 1452 | 788 | 1.59(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:24 | | | | | | 977 | 2442 | | | |
| 327.8775 | 39:24 | | | | | | 581 | 1452 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 41:05 | 41:09 | 2 | 1.001 | 16474 | 3461 | 977 | 2442 | 4 | | M |
| 327.8775 | 41:05 | 41:09 | 2 | 1.001 | 12052 | 2401 | 581 | 1452 | 4 | 1.37(1.32-1.78) | M |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:35 | 31:39 | 1 | 0.791 | 373416 | 77483 | 74 | 185 | 1047 | | |
| 373.8788 | 31:35 | 31:39 | 1 | 0.791 | 291066 | 63316 | 48 | 120 | 1319 | 1.28(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:55 | 39:54 | 1 | | 492569 | 94491 | 190 | 475 | 497 | | |
| 373.8788 | 39:55 | 39:54 | 1 | | 400102 | 80811 | 257 | 642 | 314 | 1.23(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:56 | 43:01 | 1 | 1.075 | 524580 | 99634 | 190 | 475 | 524 | | |
| 373.8788 | 42:56 | 43:01 | 1 | 1.075 | 425675 | 87517 | 257 | 642 | 341 | 1.23(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:10 | 1 | 1.104 | 1011924 | 143700 | 190 | 475 | 756 | | |
| 373.8788 | 44:05 | 44:10 | 1 | 1.104 | 757199 | 110942 | 257 | 642 | 432 | 1.34(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:10 | 1 | 1.104 | 1011924 | 143700 | 190 | 475 | 756 | | |
| 373.8788 | 44:05 | 44:10 | 1 | 1.104 | 757199 | 110942 | 257 | 642 | 432 | 1.34(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:19 | 47:24 | 2 | 1.185 | 499762 | 98107 | 190 | 475 | 516 | | |
| 373.8788 | 47:19 | 47:24 | 2 | 1.185 | 394861 | 76186 | 257 | 642 | 296 | 1.27(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:33 | | | | | | 43 | 107 | | | |
| 361.8385 | 31:33 | | | | | | 40 | 100 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:48 | 31:49 | 1 | 1.006 | 10788 | 2397 | 43 | 107 | 56 | | |
| 361.8385 | 31:48 | 31:49 | 1 | 1.006 | 8988 | 1862 | 40 | 100 | 47 | 1.20(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:57 | 32:00 | 0 | 1.012 | 94860 | 20570 | 43 | 107 | 478 | | |
| 361.8385 | 31:57 | 32:00 | 0 | 1.012 | 72752 | 15537 | 40 | 100 | 388 | 1.30(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:19 | 32:21 | 0 | 1.023 | 1885869 | 397276 | 43 | 107 | 9239 | | |
| 361.8385 | 32:19 | 32:21 | 0 | 1.023 | 1483270 | 313533 | 40 | 100 | 7838 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQ |
| 359.8415 | 32:38 | 32:39 | 1 | 1.033 | 7115 | 1115 | 43 | 107 | 26 | | |
| | Empc Correction | | | | 5061 | 1004 | 43 | 107 | 23 | | |
| 361.8385 | 32:36 | 32:39 | -1 | 1.032 | 4082 | 810 | 40 | 100 | 20 | 1.74(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:09 | 34:11 | 0 | 1.081 | 78584 | 16498 | 43 | 107 | 384 | | |
| 361.8385 | 34:09 | 34:11 | 0 | 1.081 | 64083 | 13459 | 40 | 100 | 336 | 1.23(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:44 | 34:45 | 1 | 1.100 | 3743737 | 499407 | 43 | 107 | 11614 | | |
| 361.8385 | 34:44 | 34:45 | 1 | 1.100 | 2962437 | 397924 | 40 | 100 | 9948 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:44 | 34:45 | 1 | 1.100 | 3743737 | 499407 | 43 | 107 | 11614 | | |
| 361.8385 | 34:44 | 34:45 | 1 | 1.100 | 2962437 | 397924 | 40 | 100 | 9948 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:00 | 35:01 | 1 | 1.108 | 524206 | 108353 | 43 | 107 | 2520 | | |
| 361.8385 | 35:00 | 35:01 | 1 | 1.108 | 416424 | 83045 | 40 | 100 | 2076 | 1.26(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:18 | 35:20 | 1 | 1.118 | 372361 | 77461 | 43 | 107 | 1801 | | |
| 361.8385 | 35:18 | 35:20 | 1 | 1.118 | 293326 | 59313 | 40 | 100 | 1483 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:41 | 1 | 1.129 | 10804508 | 2188497 | 180 | 450 | 12158 | | |
| 361.8385 | 35:39 | 35:41 | 1 | 1.129 | 8687947 | 1764201 | 161 | 402 | 10958 | 1.24(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:41 | 1 | 1.129 | 10804508 | 2188497 | 180 | 450 | 12158 | | |
| 361.8385 | 35:39 | 35:41 | 1 | 1.129 | 8687947 | 1764201 | 161 | 402 | 10958 | 1.24(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:51 | 35:59 | -6 | 1.135 | 585086 | 105991 | 180 | 450 | 589 | | a |
| 361.8385 | 35:52 | 35:59 | -5 | 1.135 | 460538 | 83465 | 161 | 402 | 518 | 1.27(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:51 | 35:59 | -6 | 1.135 | 585086 | 105991 | 180 | 450 | 589 | | a |
| 361.8385 | 35:52 | 35:59 | -5 | 1.135 | 460538 | 83465 | 161 | 402 | 518 | 1.27(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:16 | 36:17 | 1 | 1.148 | 306964 | 56767 | 180 | 450 | 315 | | |
| 361.8385 | 36:16 | 36:17 | 1 | 1.148 | 245990 | 44385 | 161 | 402 | 276 | 1.25(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:16 | 36:17 | 1 | 1.148 | 306964 | 56767 | 180 | 450 | 315 | | |
| 361.8385 | 36:16 | 36:17 | 1 | 1.148 | 245990 | 44385 | 161 | 402 | 276 | 1.25(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:28 | 36:29 | 1 | 1.154 | 135489 | 26862 | 180 | 450 | 149 | | |
| 361.8385 | 36:27 | 36:29 | 1 | 1.154 | 108688 | 21752 | 161 | 402 | 135 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:33 | | | | | | 180 | 450 | | | |
| 361.8385 | 36:33 | | | | | | 161 | 402 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:55 | 36:57 | 1 | 1.169 | 3880549 | 789717 | 180 | 450 | 4387 | | |
| 361.8385 | 36:55 | 36:57 | 1 | 1.169 | 3071111 | 618853 | 161 | 402 | 3844 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:26 | 37:27 | 1 | 1.185 | 365914 | 74508 | 180 | 450 | 414 | | |
| 361.8385 | 37:26 | 37:27 | 1 | 1.185 | 292455 | 58851 | 161 | 402 | 366 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:47 | | | | | | 180 | 450 | | | |
| 361.8385 | 37:47 | | | | | | 161 | 402 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:04 | 38:10 | 1 | 0.887 | 3345111 | 666637 | 180 | 450 | 3704 | | |
| 361.8385 | 38:04 | 38:10 | 1 | 0.887 | 2652859 | 538221 | 161 | 402 | 3343 | 1.26(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:10 | | | | | | 180 | 450 | | | |
| 361.8385 | 38:10 | | | | | | 161 | 402 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:42 | 38:49 | 0 | 0.902 | 14644047 | 2942159 | 180 | 450 | 16345 | | |
| 361.8385 | 38:41 | 38:49 | -1 | 0.901 | 11750393 | 2354020 | 161 | 402 | 14621 | 1.25(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:42 | 38:49 | 0 | 0.902 | 14644047 | 2942159 | 180 | 450 | 16345 | | |
| 361.8385 | 38:41 | 38:49 | -1 | 0.901 | 11750393 | 2354020 | 161 | 402 | 14621 | 1.25(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:53 | 38:59 | 1 | 0.906 | 1983133 | 398831 | 180 | 450 | 2216 | | |
| 361.8385 | 38:53 | 38:59 | 1 | 0.906 | 1570282 | 309136 | 161 | 402 | 1920 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:17 | 39:24 | 1 | 0.915 | 789115 | 153280 | 180 | 450 | 852 | | |
| 361.8385 | 39:17 | 39:24 | 1 | 0.915 | 632825 | 121407 | 161 | 402 | 754 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:31 | 39:36 | 1 | 0.920 | 467100 | 95938 | 180 | 450 | 533 | | |
| 361.8385 | 39:32 | 39:36 | 2 | 0.921 | 378825 | 77213 | 161 | 402 | 480 | 1.23(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:38 | 39:44 | 1 | 0.923 | 1189010 | 234437 | 180 | 450 | 1302 | | |
| 361.8385 | 39:38 | 39:44 | 1 | 0.923 | 955415 | 187475 | 161 | 402 | 1164 | 1.24(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 1 | 0.931 | 12804416 | 2390066 | 180 | 450 | 13278 | | |
| 361.8385 | 39:57 | 40:03 | 1 | 0.931 | 10289437 | 1939205 | 161 | 402 | 12045 | 1.24(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 1 | 0.931 | 12804416 | 2390066 | 180 | 450 | 13278 | | |
| 361.8385 | 39:57 | 40:03 | 1 | 0.931 | 10289437 | 1939205 | 161 | 402 | 12045 | 1.24(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 1 | 0.931 | 12804416 | 2390066 | 180 | 450 | 13278 | | |
| 361.8385 | 39:57 | 40:03 | 1 | 0.931 | 10289437 | 1939205 | 161 | 402 | 12045 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 1 | 0.931 | 12804416 | 2390066 | 180 | 450 | 13278 | | |
| 361.8385 | 39:57 | 40:03 | 1 | 0.931 | 10289437 | 1939205 | 161 | 402 | 12045 | 1.24(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:20 | 40:26 | 1 | 0.940 | 1544688 | 287017 | 180 | 450 | 1595 | | |
| 361.8385 | 40:20 | 40:26 | 1 | 0.940 | 1204370 | 226599 | 161 | 402 | 1407 | 1.28(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:12 | 41:16 | 3 | 0.960 | 1979521 | 349635 | 180 | 450 | 1942 | | |
| 361.8385 | 41:12 | 41:16 | 3 | 0.960 | 1555220 | 271257 | 161 | 402 | 1685 | 1.27(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:12 | 41:16 | 3 | 0.960 | 1979521 | 349635 | 180 | 450 | 1942 | | |
| 361.8385 | 41:12 | 41:16 | 3 | 0.960 | 1555220 | 271257 | 161 | 402 | 1685 | 1.27(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:09 | 42:17 | 0 | 0.982 | 182785 | 34185 | 180 | 450 | 190 | | |
| 361.8385 | 42:09 | 42:17 | 0 | 0.982 | 149404 | 29024 | 161 | 402 | 180 | 1.22(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:28 | | | | | | 180 | 450 | | | |
| 361.8385 | 42:28 | | | | | | 161 | 402 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:57 | 43:03 | 1 | 1.001 | 545358 | 110823 | 180 | 450 | 616 | | |
| 361.8385 | 42:57 | 43:03 | 1 | 1.001 | 440678 | 89043 | 161 | 402 | 553 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:05 | 44:11 | 1 | 1.000 | 1555041 | 280283 | 180 | 450 | 1557 | | |
| 361.8385 | 44:05 | 44:11 | 1 | 1.000 | 1256450 | 228839 | 161 | 402 | 1421 | 1.24(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:05 | 44:11 | 1 | 1.000 | 1555041 | 280283 | 180 | 450 | 1557 | | |
| 361.8385 | 44:05 | 44:11 | 1 | 1.000 | 1256450 | 228839 | 161 | 402 | 1421 | 1.24(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:17 | | | | | | 180 | 450 | | | |
| 361.8385 | 47:17 | | | | | | 161 | 402 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:20 | 37:25 | 1 | 0.821 | 421898 | 85267 | 171 | 427 | 499 | | |
| 407.8398 | 37:19 | 37:25 | 1 | 0.820 | 395268 | 83505 | 18 | 45 | 4639 | 1.07(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:23 | 40:28 | 1 | 0.888 | 340426 | 72070 | 171 | 427 | 421 | | |
| 407.8398 | 40:23 | 40:28 | 1 | 0.888 | 313811 | 64238 | 18 | 45 | 3569 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:29 | 45:27 | 1 | | 374727 | 75118 | 171 | 427 | 439 | | |
| 407.8398 | 45:29 | 45:27 | 1 | | 368206 | 70761 | 18 | 45 | 3931 | 1.02(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:43 | 46:50 | 1 | 1.027 | 251506 | 50182 | 171 | 427 | 293 | | |
| 407.8398 | 46:44 | 46:50 | 1 | 1.028 | 242367 | 44131 | 18 | 45 | 2452 | 1.04(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:51 | 49:58 | 2 | 1.096 | 348777 | 64317 | 794 | 1985 | 81 | | |
| 407.8398 | 49:51 | 49:58 | 2 | 1.096 | 330570 | 65456 | 702 | 1755 | 93 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:21 | | | | | | 48 | 120 | | | |
| 395.7995 | 37:21 | | | | | | 39 | 97 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:40 | 37:44 | 1 | 1.009 | 1849623 | 367004 | 48 | 120 | 7646 | | |
| 395.7995 | 37:40 | 37:44 | 1 | 1.009 | 1750483 | 350145 | 39 | 97 | 8978 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:09 | | | | | | 48 | 120 | | | |
| 395.7995 | 38:09 | | | | | | 39 | 97 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:33 | 38:37 | 1 | 1.033 | 546635 | 109610 | 48 | 120 | 2284 | | |
| 395.7995 | 38:33 | 38:37 | 1 | 1.033 | 521442 | 103698 | 39 | 97 | 2659 | 1.05(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:57 | | | | | | 48 | 120 | | | |
| 395.7995 | 38:57 | | | | | | 39 | 97 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:24 | 40:27 | 1 | 1.082 | 680917 | 137016 | 48 | 120 | 2855 | | |
| 395.7995 | 40:24 | 40:27 | 1 | 1.082 | 652211 | 131276 | 39 | 97 | 3366 | 1.04(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:02 | 41:05 | 1 | 1.099 | 128492 | 26204 | 48 | 120 | 546 | | |
| 395.7995 | 41:02 | 41:05 | 1 | 1.099 | 125099 | 25597 | 39 | 97 | 656 | 1.03(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:18 | 41:22 | 1 | 1.107 | 4096891 | 814158 | 48 | 120 | 16962 | | |
| 395.7995 | 41:18 | 41:22 | 1 | 1.107 | 3905650 | 772071 | 39 | 97 | 19797 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:31 | 41:34 | 1 | 1.112 | 41115 | 6346 | 48 | 120 | 132 | | |
| 395.7995 | 41:31 | 41:34 | 1 | 1.112 | 41587 | 6247 | 39 | 97 | 160 | 0.99(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:55 | 41:59 | 1 | 1.123 | 2146602 | 367571 | 48 | 120 | 7658 | | |
| 395.7995 | 41:55 | 41:59 | 1 | 1.123 | 2048674 | 351966 | 39 | 97 | 9025 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:55 | 41:59 | 1 | 1.123 | 2146602 | 367571 | 48 | 120 | 7658 | | |
| 395.7995 | 41:55 | 41:59 | 1 | 1.123 | 2048674 | 351966 | 39 | 97 | 9025 | 1.05(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:09 | 42:13 | 1 | 1.129 | 2770267 | 559296 | 48 | 120 | 11652 | | |
| 395.7995 | 42:09 | 42:13 | 1 | 1.129 | 2620481 | 519755 | 39 | 97 | 13327 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:35 | 42:39 | 1 | 1.141 | 1751265 | 350941 | 48 | 120 | 7311 | | |
| 395.7995 | 42:35 | 42:39 | 1 | 1.141 | 1648171 | 325224 | 39 | 97 | 8339 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:00 | 42:55 | 1 | 1.152 | 30782 | 5030 | 48 | 120 | 105 | | |
| 395.7995 | 43:00 | 42:55 | 1 | 1.152 | 27354 | 5261 | 39 | 97 | 135 | 1.13(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:13 | 43:16 | 1 | 1.158 | 828339 | 159478 | 48 | 120 | 3322 | | |
| 395.7995 | 43:13 | 43:16 | 1 | 1.158 | 786165 | 151268 | 39 | 97 | 3879 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:13 | 43:16 | 1 | 1.158 | 828339 | 159478 | 48 | 120 | 3322 | | |
| 395.7995 | 43:13 | 43:16 | 1 | 1.158 | 786165 | 151268 | 39 | 97 | 3879 | 1.05(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:51 | 44:57 | 1 | 0.900 | 437072 | 88681 | 48 | 120 | 1848 | | |
| 395.7995 | 44:51 | 44:57 | 1 | 0.900 | 431026 | 87958 | 39 | 97 | 2255 | 1.01(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:07 | | | | | | 48 | 120 | | | |
| 395.7995 | 45:07 | | | | | | 39 | 97 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:30 | 45:33 | 5 | 0.913 | 6776927 | 1279373 | 48 | 120 | 26654 | | a |
| 395.7995 | 45:30 | 45:33 | 5 | 0.913 | 6493784 | 1228327 | 39 | 97 | 31496 | 1.04(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:30 | 45:33 | 5 | 0.913 | 6776927 | 1279373 | 48 | 120 | 26654 | | a |
| 395.7995 | 45:30 | 45:33 | 5 | 0.913 | 6493784 | 1228327 | 39 | 97 | 31496 | 1.04(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:51 | 45:57 | 1 | 0.920 | 162722 | 30192 | 48 | 120 | 629 | | |
| 395.7995 | 45:51 | 45:57 | 1 | 0.920 | 156692 | 29269 | 39 | 97 | 750 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:45 | 46:51 | 1 | 0.938 | 2409299 | 467595 | 48 | 120 | 9742 | | |
| 395.7995 | 46:45 | 46:51 | 1 | 0.938 | 2337908 | 455192 | 39 | 97 | 11672 | 1.03(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:17 | 47:22 | 2 | 0.948 | 691338 | 133147 | 48 | 120 | 2774 | | |
| 395.7995 | 47:17 | 47:22 | 2 | 0.948 | 670882 | 127141 | 39 | 97 | 3260 | 1.03(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:53 | 49:59 | 2 | 1.001 | 126628 | 24667 | 185 | 462 | 133 | | |
| 395.7995 | 49:53 | 49:59 | 2 | 1.001 | 117553 | 21902 | 137 | 342 | 160 | 1.08(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:42 | 42:48 | 1 | 0.822 | 326304 | 66701 | 147 | 367 | 454 | | |
| 441.8008 | 42:42 | 42:48 | 1 | 0.822 | 363238 | 70524 | 127 | 317 | 555 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:58 | 51:56 | 2 | | 428338 | 81364 | 289 | 722 | 282 | | |
| 441.8008 | 51:58 | 51:56 | 2 | | 454021 | 86524 | 621 | 1552 | 139 | 0.94(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:26 | 52:33 | 2 | 1.009 | 401018 | 80213 | 289 | 722 | 278 | | |
| 441.8008 | 52:27 | 52:33 | 2 | 1.009 | 458281 | 86942 | 621 | 1552 | 140 | 0.88(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:43 | 42:47 | 1 | 1.000 | 274356 | 54088 | 89 | 222 | 608 | | |
| 429.7606 | 42:43 | 42:47 | 1 | 1.000 | 299003 | 59111 | 65 | 162 | 909 | 0.92(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:39 | 43:43 | 1 | 1.022 | 207401 | 41303 | 89 | 222 | 464 | | |
| 429.7606 | 43:39 | 43:43 | 1 | 1.022 | 226154 | 43675 | 65 | 162 | 672 | 0.92(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:16 | | | | | | 89 | 222 | | | |
| 429.7606 | 44:16 | | | | | | 65 | 162 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:33 | 44:37 | 1 | 1.043 | 54358 | 13871 | 89 | 222 | 156 | | |
| 429.7606 | 44:34 | 44:37 | 2 | 1.043 | 59891 | 14056 | 65 | 162 | 216 | 0.91(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:39 | 44:43 | 1 | 1.046 | 199798 | 38017 | 89 | 222 | 427 | | |
| 429.7606 | 44:39 | 44:43 | 1 | 1.046 | 224608 | 42160 | 65 | 162 | 649 | 0.89(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:28 | 47:31 | 3 | 1.111 | 1129733 | 213578 | 89 | 222 | 2400 | | |
| 429.7606 | 47:28 | 47:31 | 3 | 1.111 | 1248390 | 235955 | 65 | 162 | 3630 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:28 | 47:31 | 3 | 1.111 | 1129733 | 213578 | 89 | 222 | 2400 | | |
| 429.7606 | 47:28 | 47:31 | 3 | 1.111 | 1248390 | 235955 | 65 | 162 | 3630 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:07 | 48:13 | 2 | 0.918 | 596195 | 120586 | 89 | 222 | 1355 | | |
| 429.7606 | 48:07 | 48:13 | 2 | 0.918 | 651458 | 126989 | 65 | 162 | 1954 | 0.92(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:19 | 48:25 | 2 | 0.921 | 787248 | 154215 | 89 | 222 | 1733 | | |
| 429.7606 | 48:19 | 48:25 | 2 | 0.921 | 869546 | 170361 | 65 | 162 | 2621 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:38 | 49:44 | 2 | 0.947 | 404710 | 75778 | 205 | 512 | 370 | | |
| 429.7606 | 49:38 | 49:44 | 2 | 0.947 | 454176 | 88707 | 142 | 355 | 625 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:59 | 52:06 | 2 | 0.992 | 1540268 | 304657 | 205 | 512 | 1486 | | |
| 429.7606 | 51:59 | 52:06 | 2 | 0.992 | 1711360 | 337692 | 142 | 355 | 2378 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:28 | 52:24 | 2 | 1.000 | 106340 | 19738 | 205 | 512 | 96 | | |
| 429.7606 | 52:28 | 52:24 | 2 | 1.000 | 115779 | 21733 | 142 | 355 | 153 | 0.92(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:22 | 49:30 | 0 | 0.950 | 324932 | 58451 | 359 | 897 | 163 | | |
| 475.7619 | 49:23 | 49:30 | 1 | 0.950 | 393178 | 80967 | 360 | 900 | 225 | 0.83(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:12 | 54:18 | 2 | 1.043 | 246404 | 47200 | 359 | 897 | 131 | | |
| 475.7619 | 54:12 | 54:18 | 2 | 1.043 | 322911 | 60824 | 360 | 900 | 169 | 0.76(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:24 | 49:28 | 2 | 1.001 | 162442 | 30740 | 133 | 332 | 231 | | |
| 463.7216 | 49:24 | 49:28 | 2 | 1.001 | 201843 | 40151 | 253 | 632 | 159 | 0.80(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:21 | 50:25 | 2 | 1.020 | 66138 | 12075 | 133 | 332 | 91 | | |
| 463.7216 | 50:20 | 50:25 | 1 | 1.020 | 86143 | 17195 | 253 | 632 | 68 | 0.77(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:10 | 54:08 | -1 | 0.999 | 1499535 | 271734 | 133 | 332 | 2043 | | M |
| | Empc Correction | | | | 771251 | 132648 | 133 | 332 | 997 | | |
| 463.7216 | 54:13 | 54:08 | 2 | 1.000 | 1001625 | 172271 | 253 | 632 | 681 | 1.50(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:51 | 55:57 | 2 | 1.075 | 255685 | 45467 | 111 | 277 | 410 | | |
| 509.7229 | 55:51 | 55:57 | 2 | 1.075 | 352708 | 62000 | 158 | 395 | 392 | 0.72(0.59-0.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:52 | 55:59 | 2 | 1.000 | 501152 | 91699 | 51 | 127 | 1798 | | |
| 497.6826 | 55:52 | 55:59 | 2 | 1.000 | 719485 | 129611 | 48 | 120 | 2700 | 0.70(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville

| | | | |
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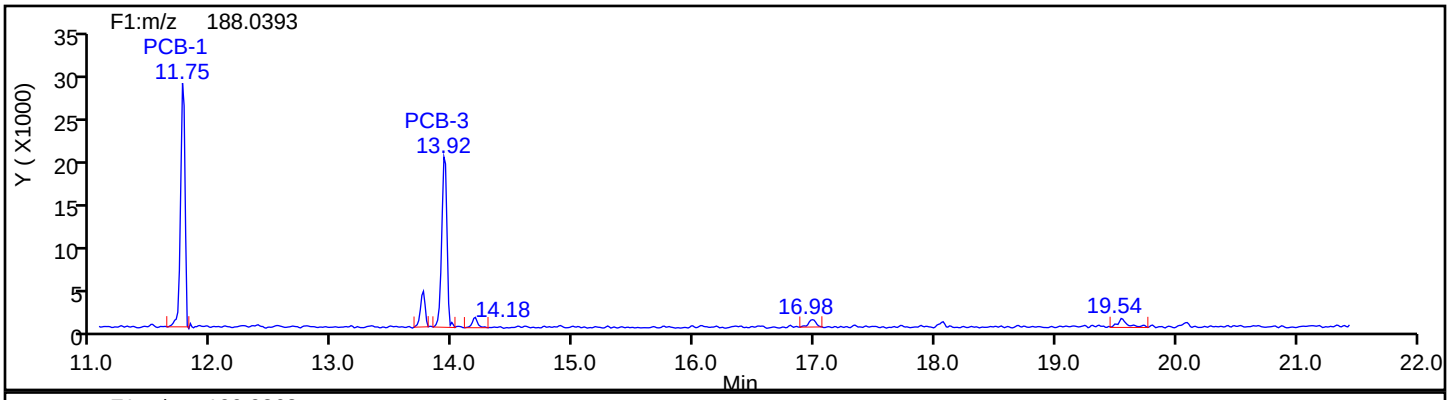
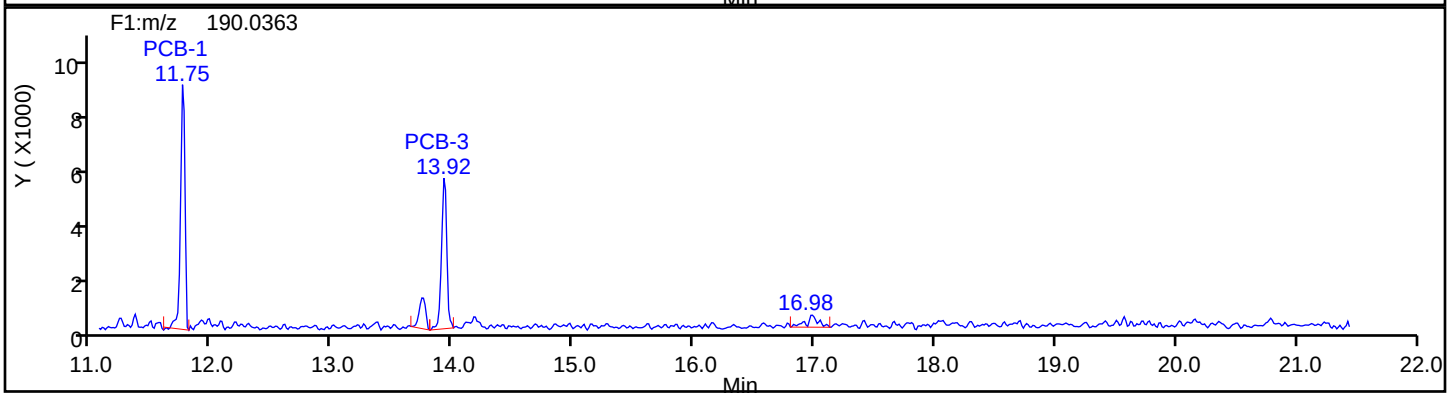
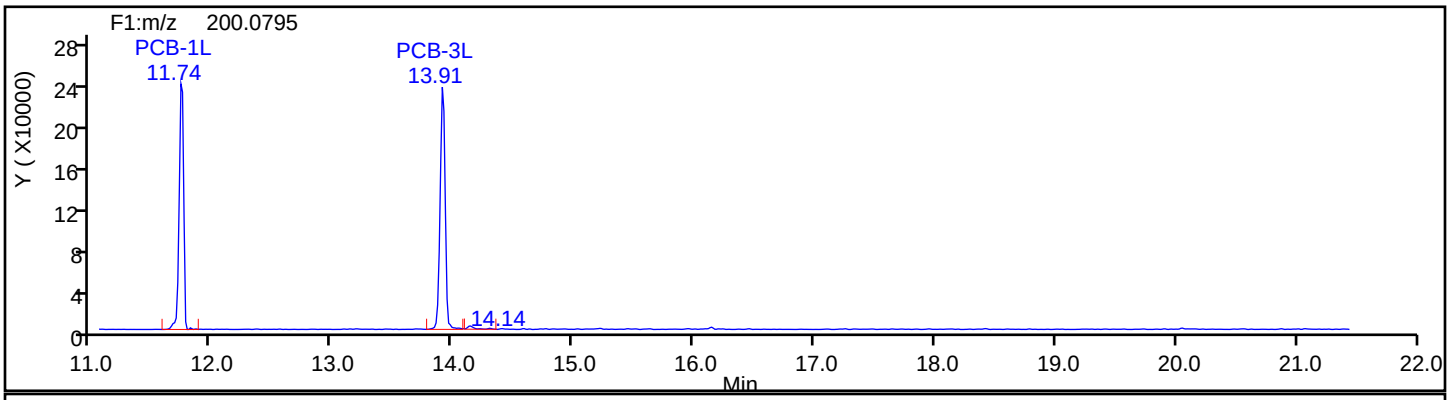
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

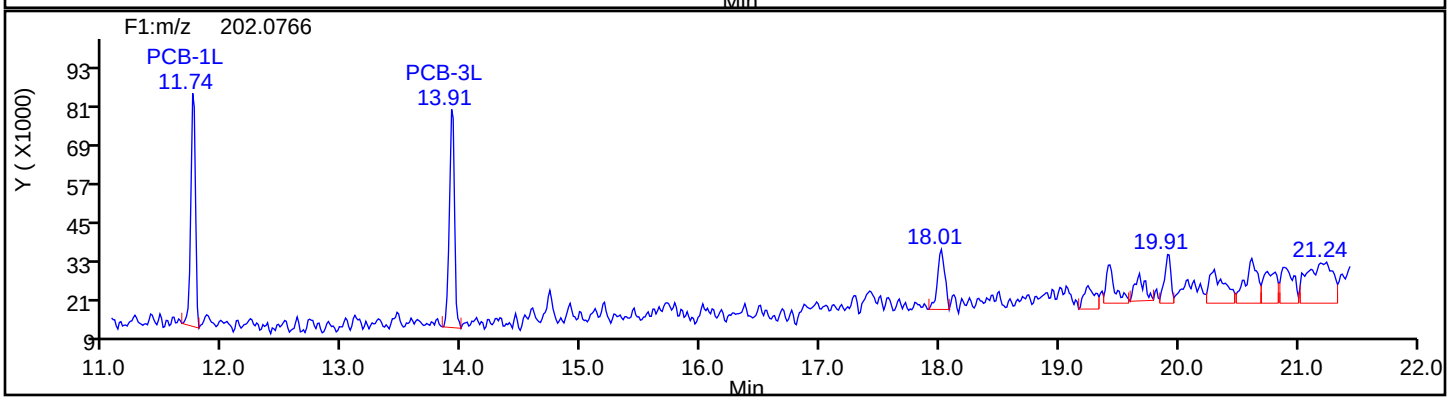
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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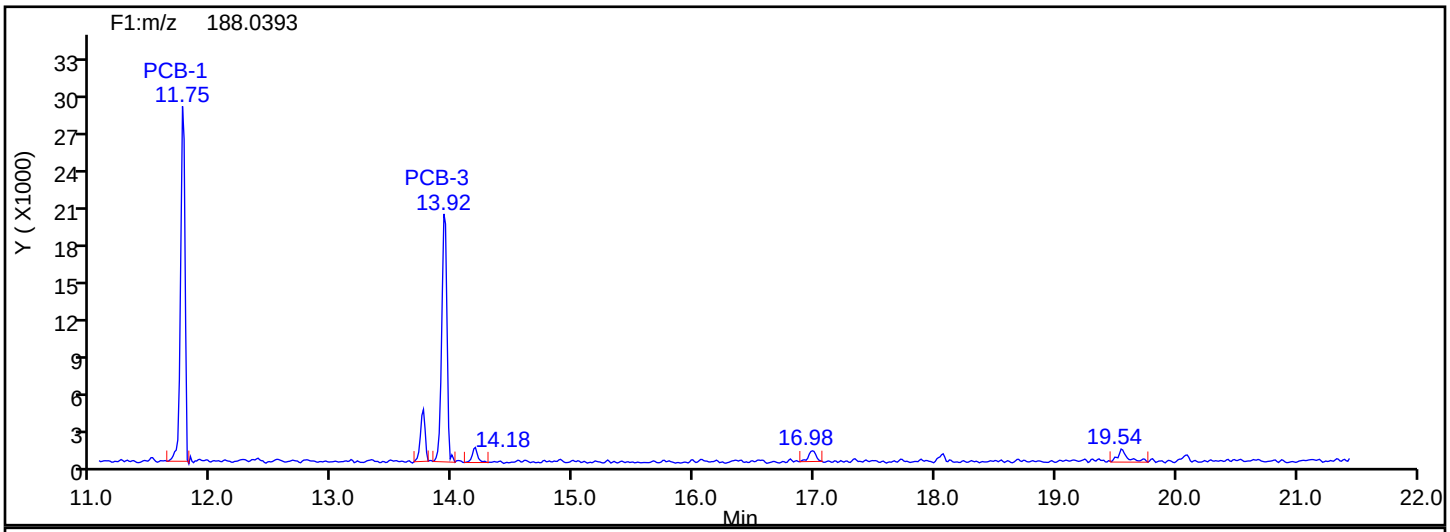
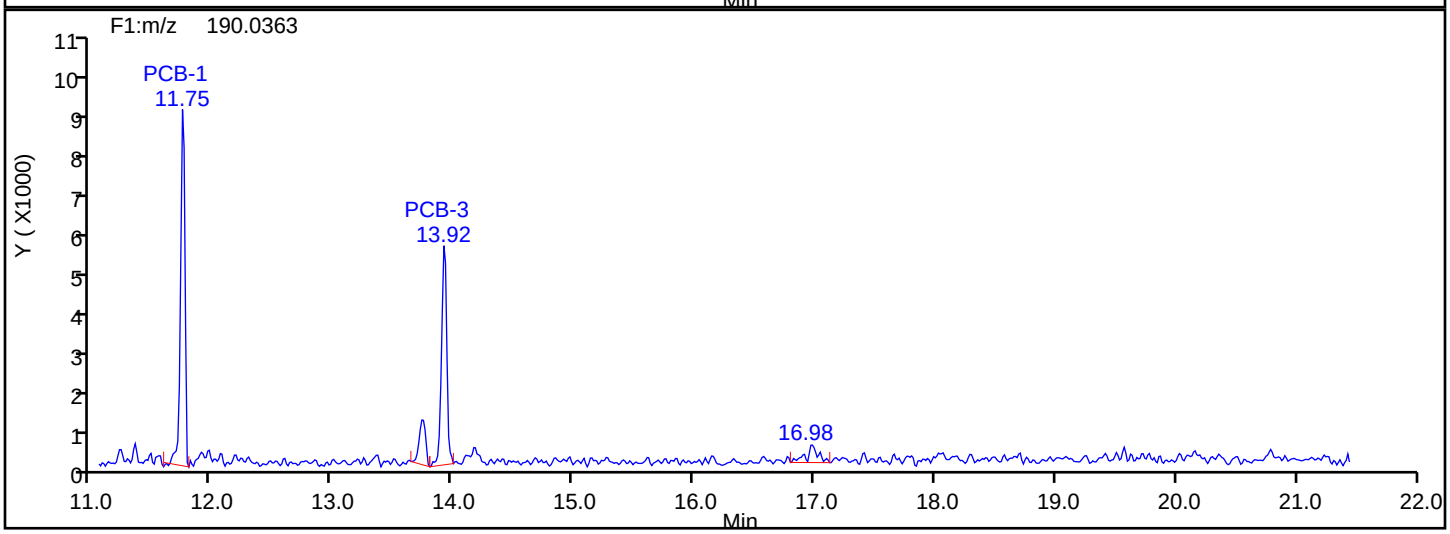
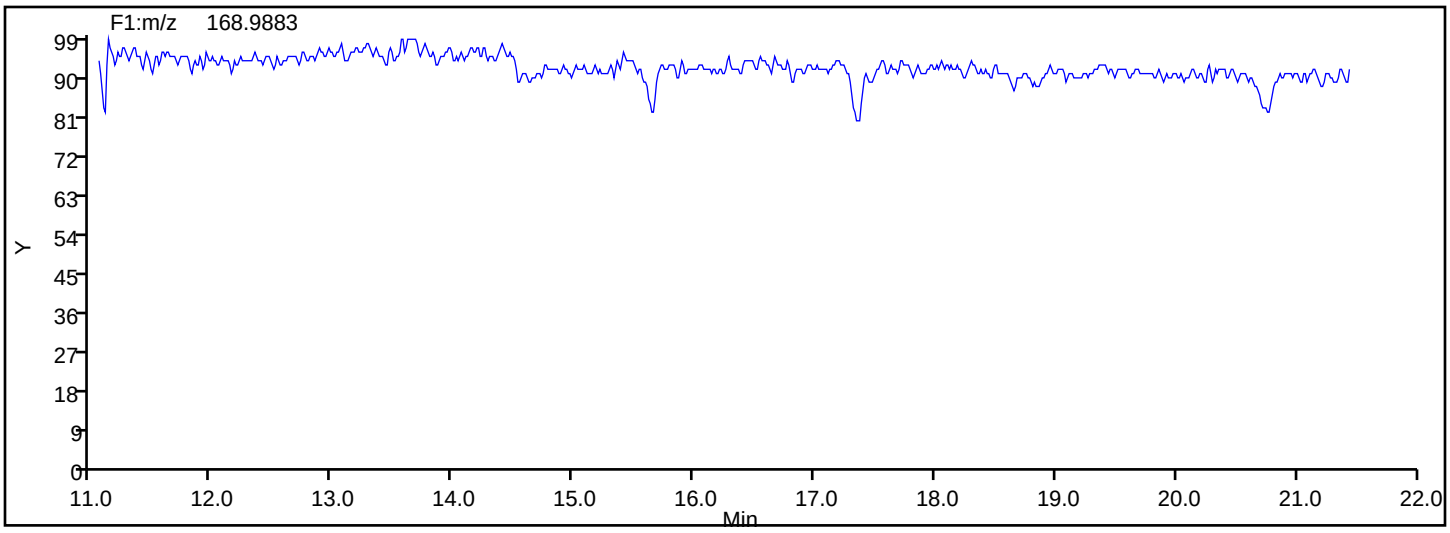
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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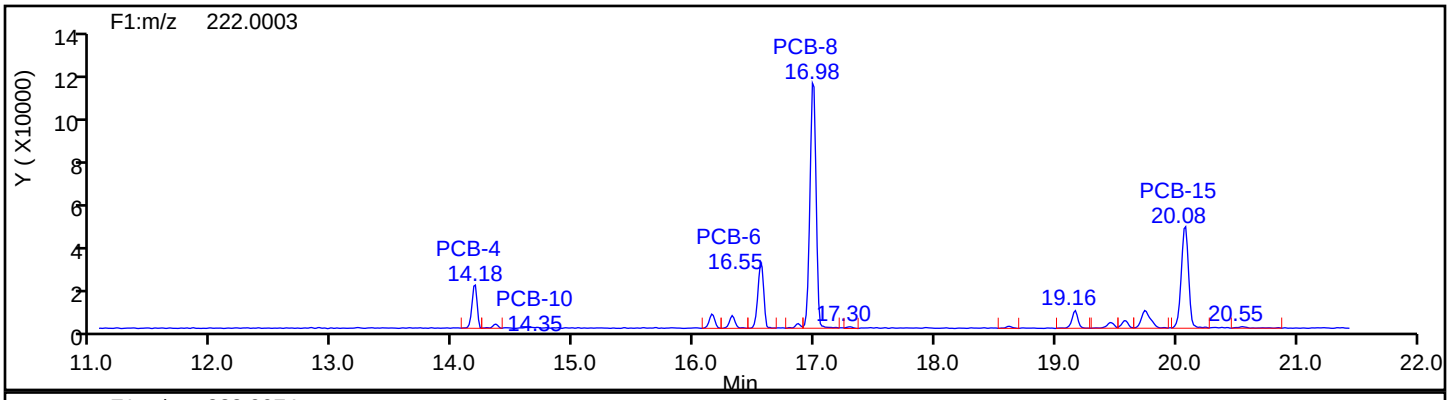
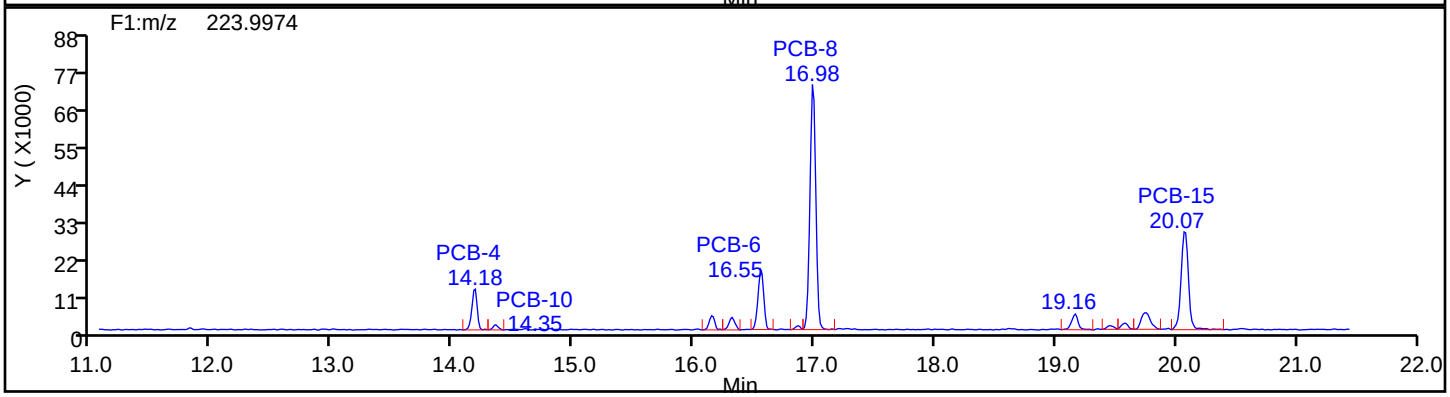
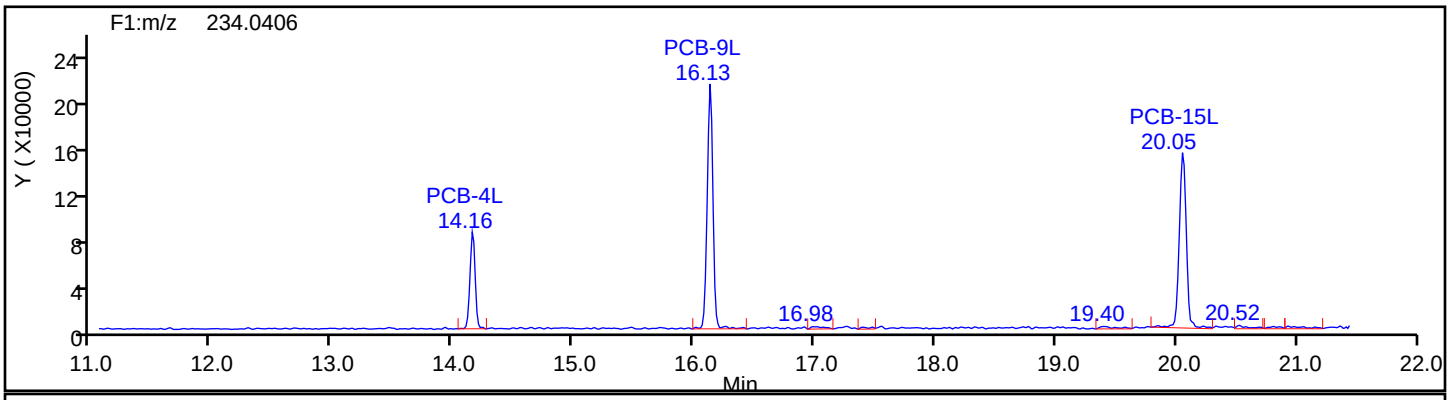
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

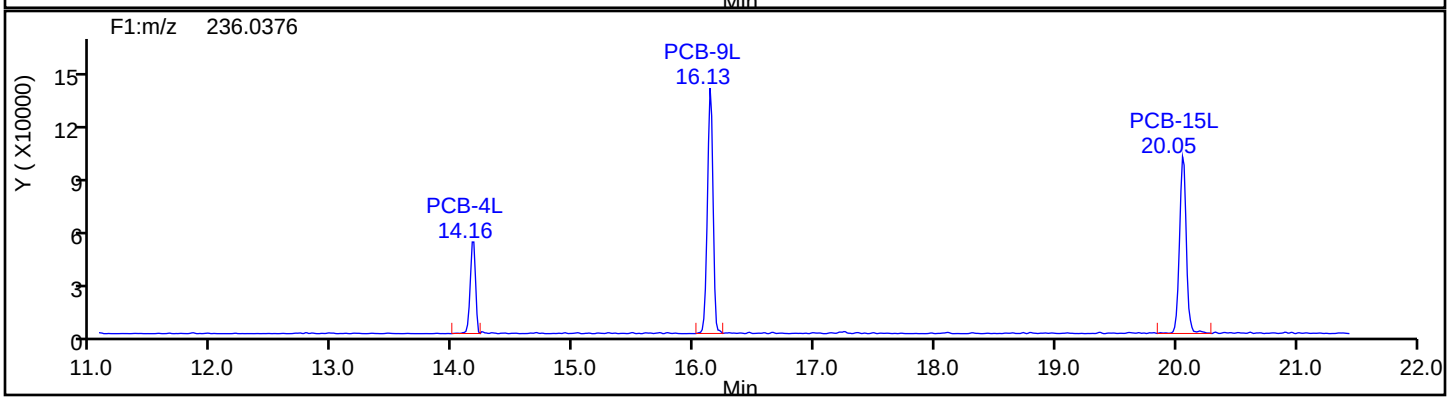
DiPCB F1




DiPCB F1 Standards



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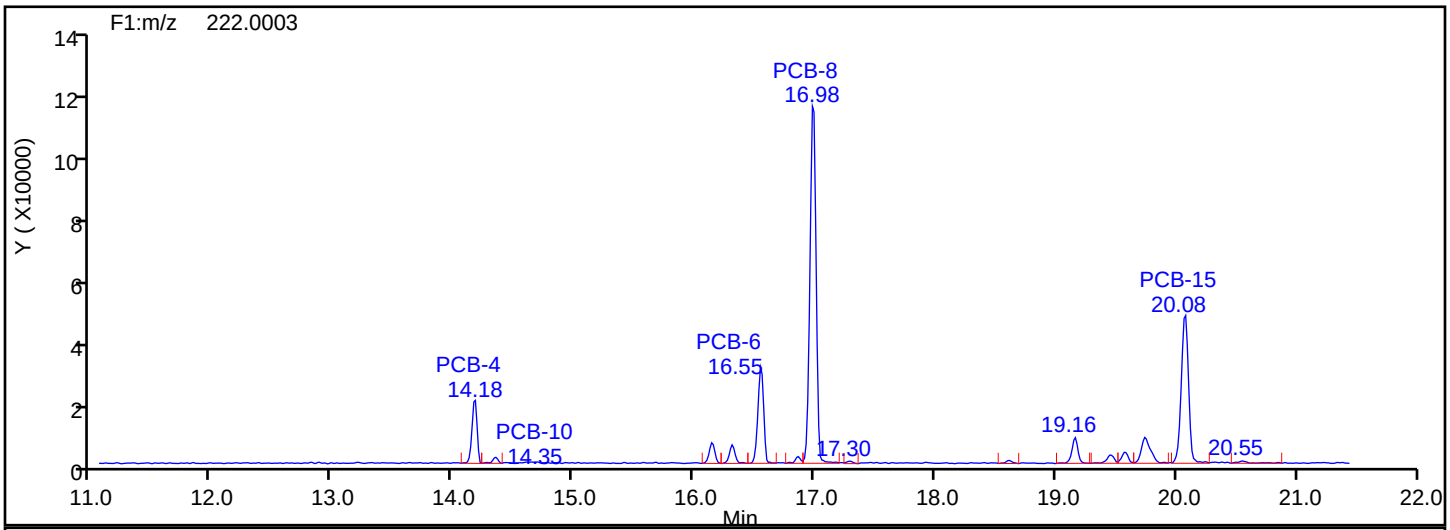
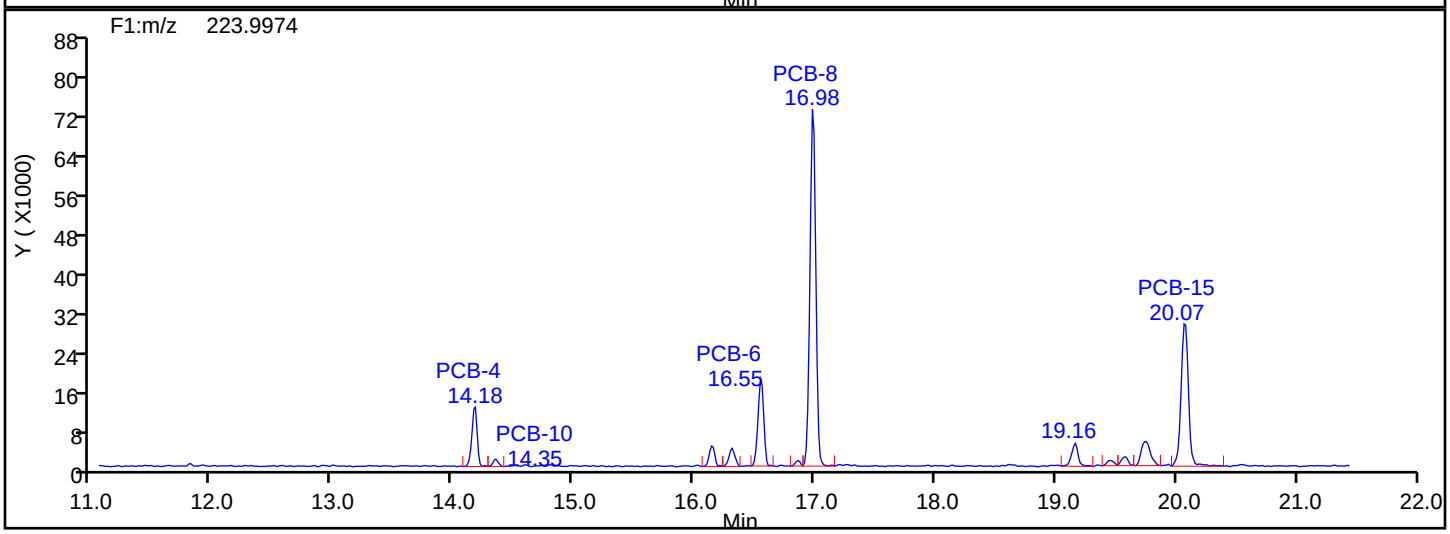
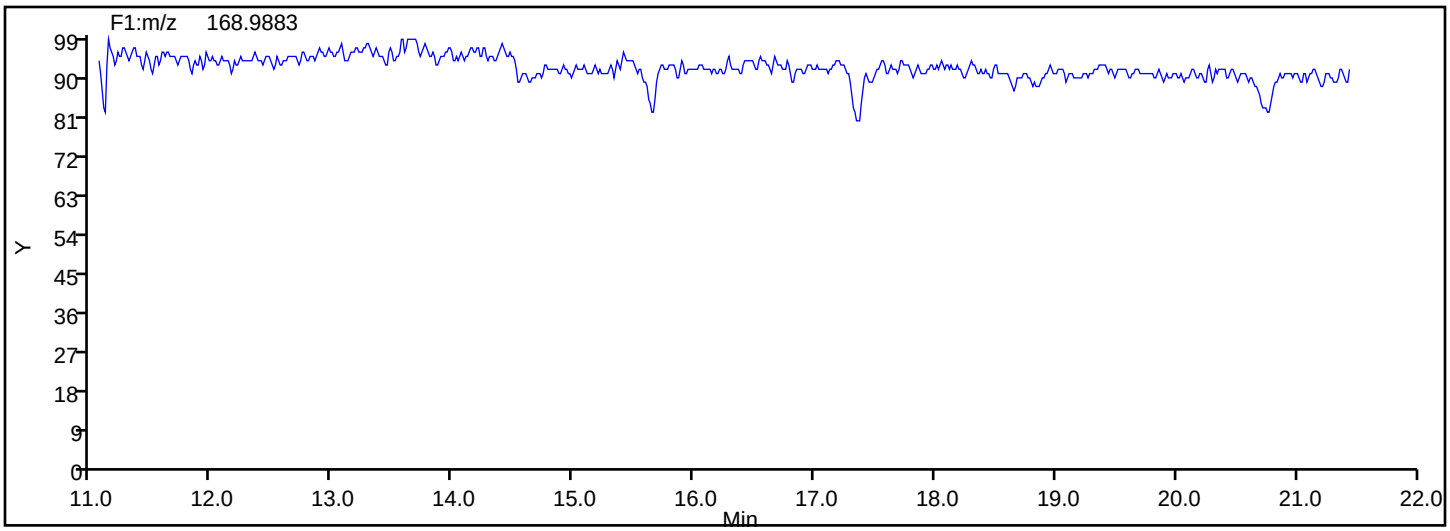
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



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Eurofins TestAmerica, Knoxville

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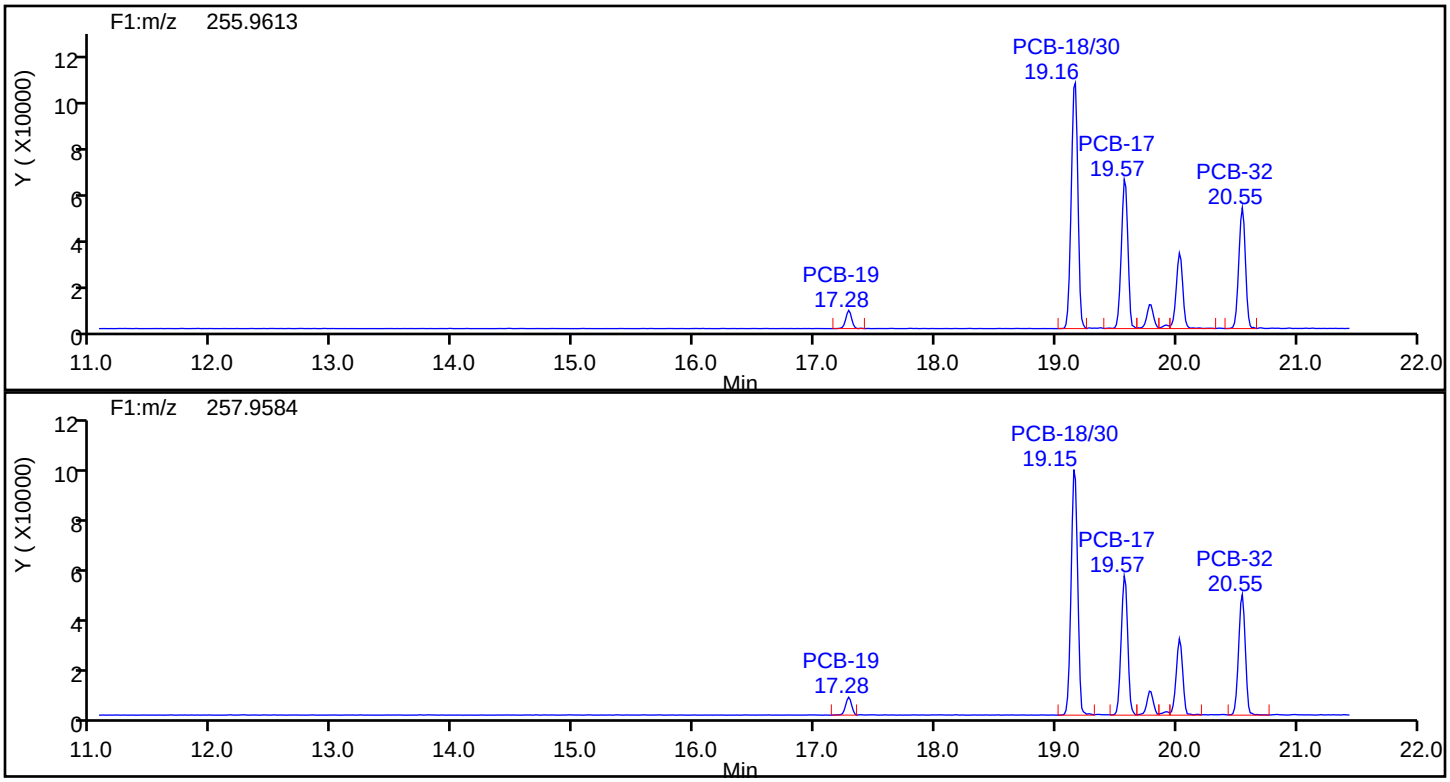
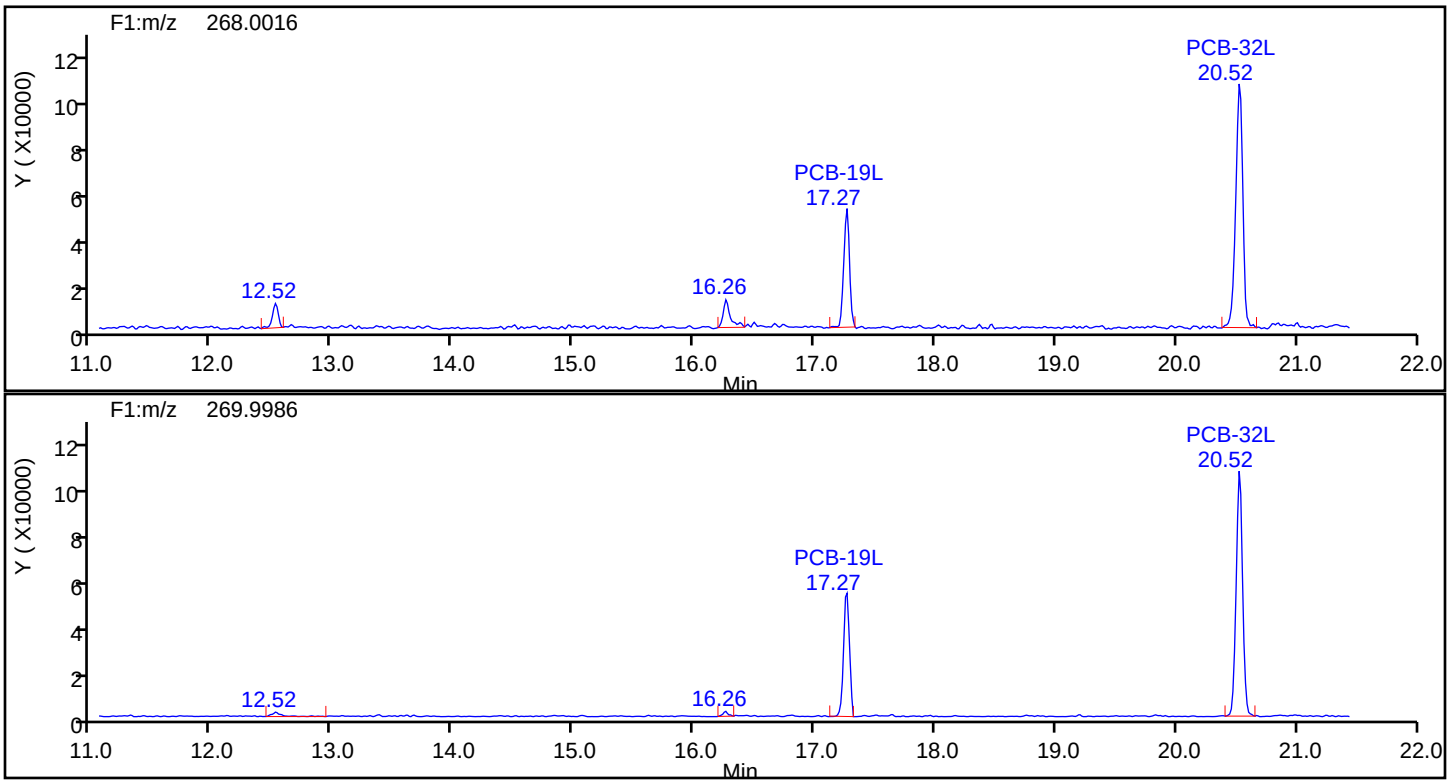
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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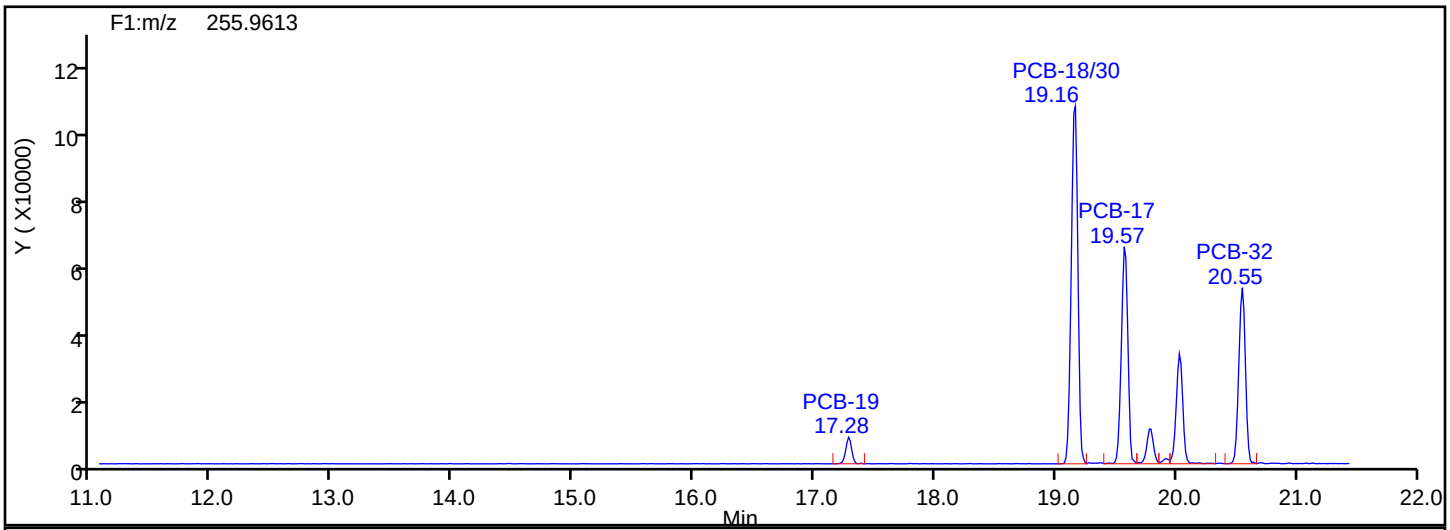
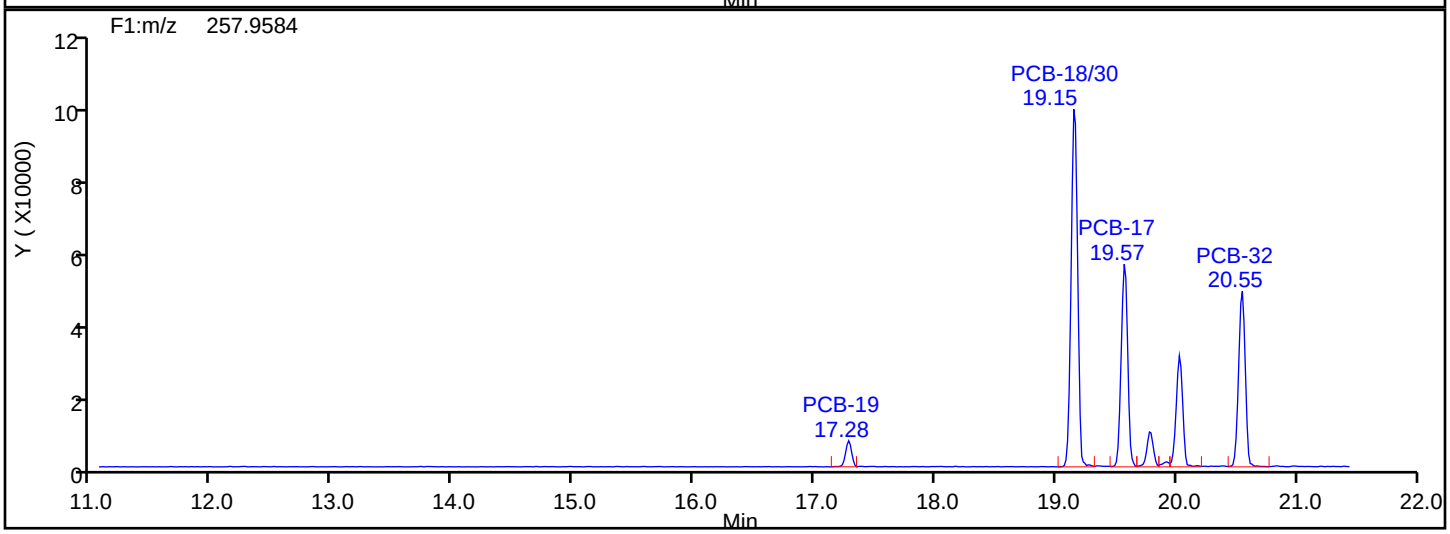
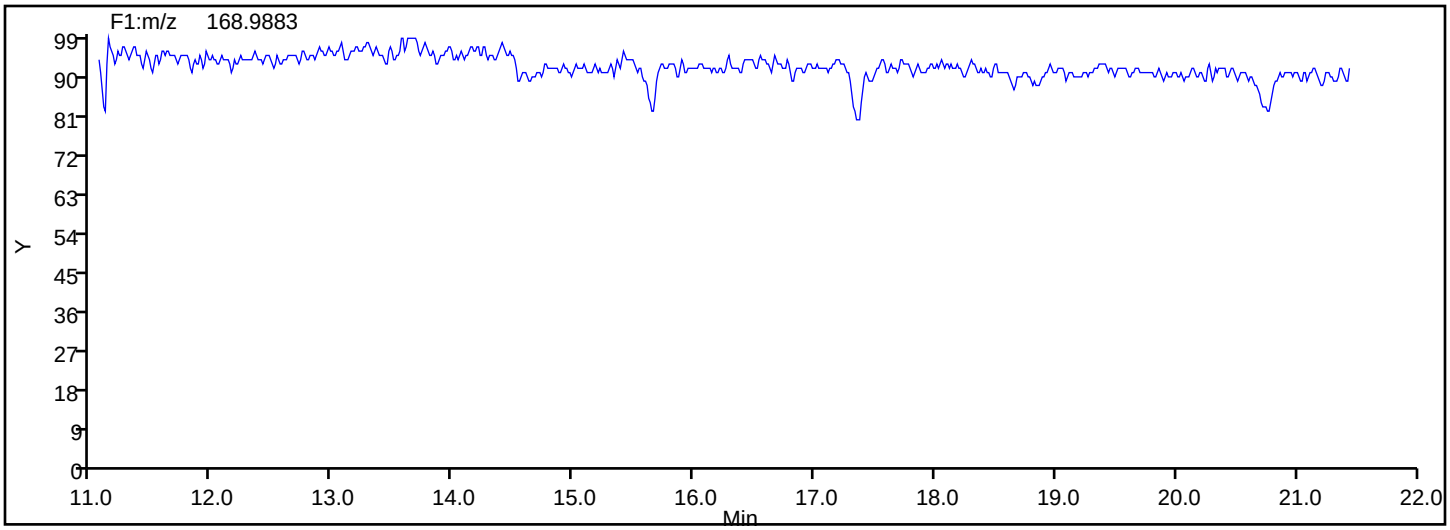
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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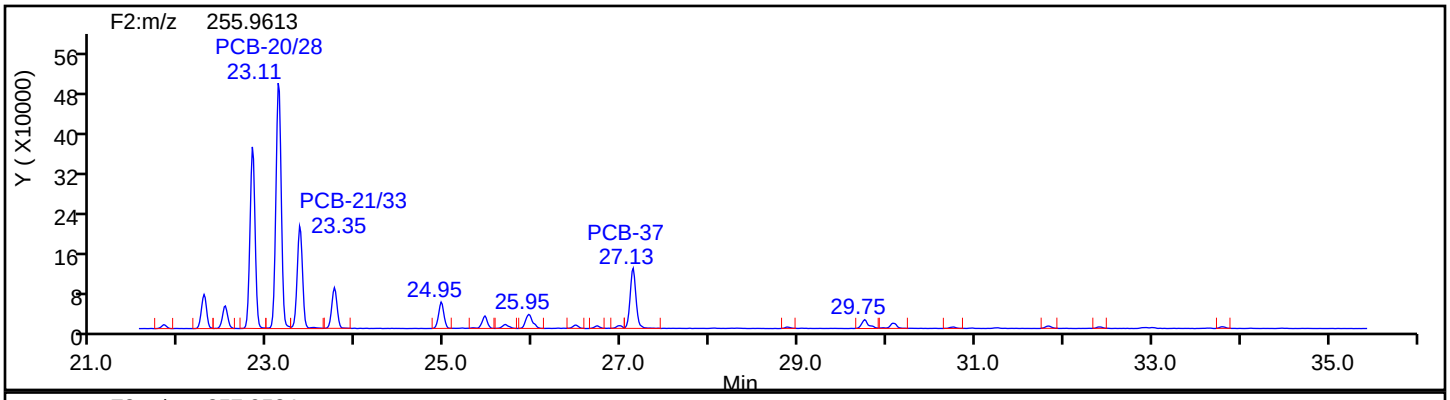
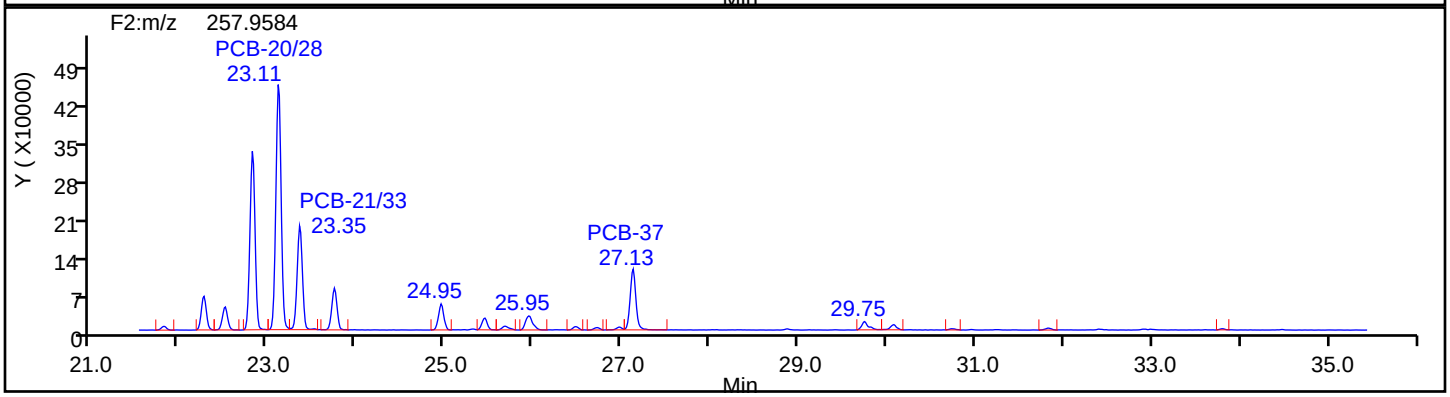
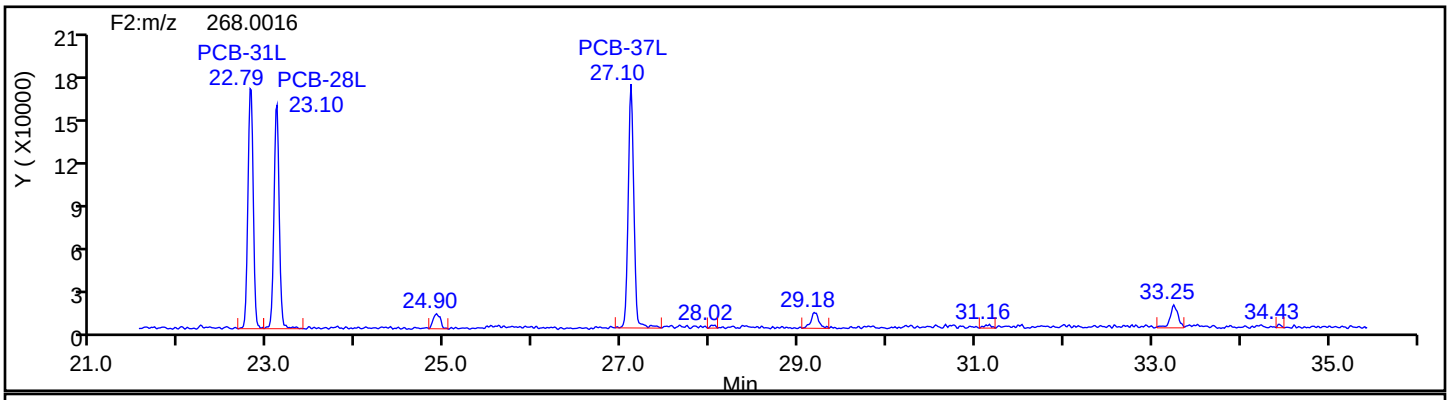
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

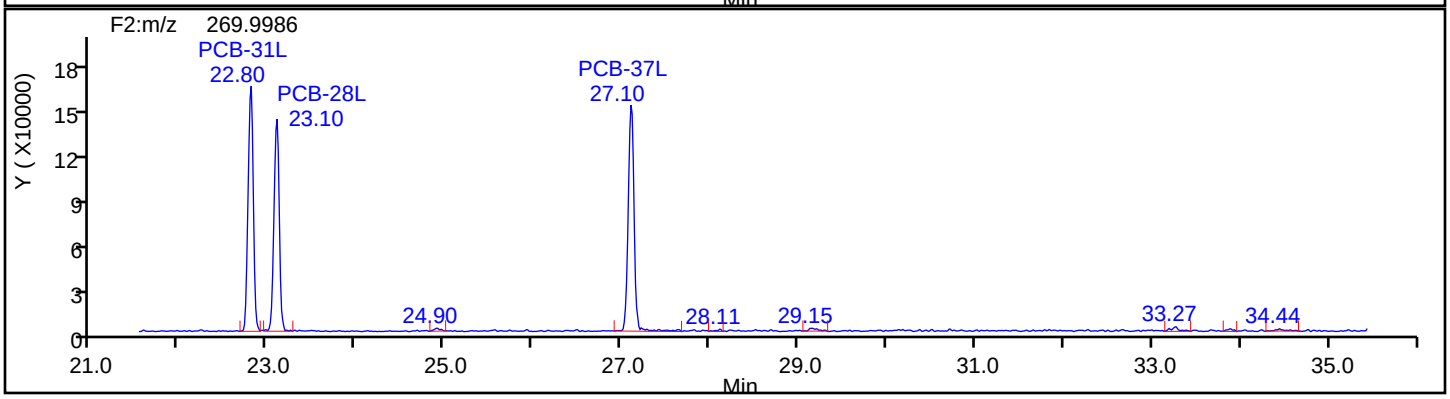
TriPCB F2




TriPCB F2 Standards

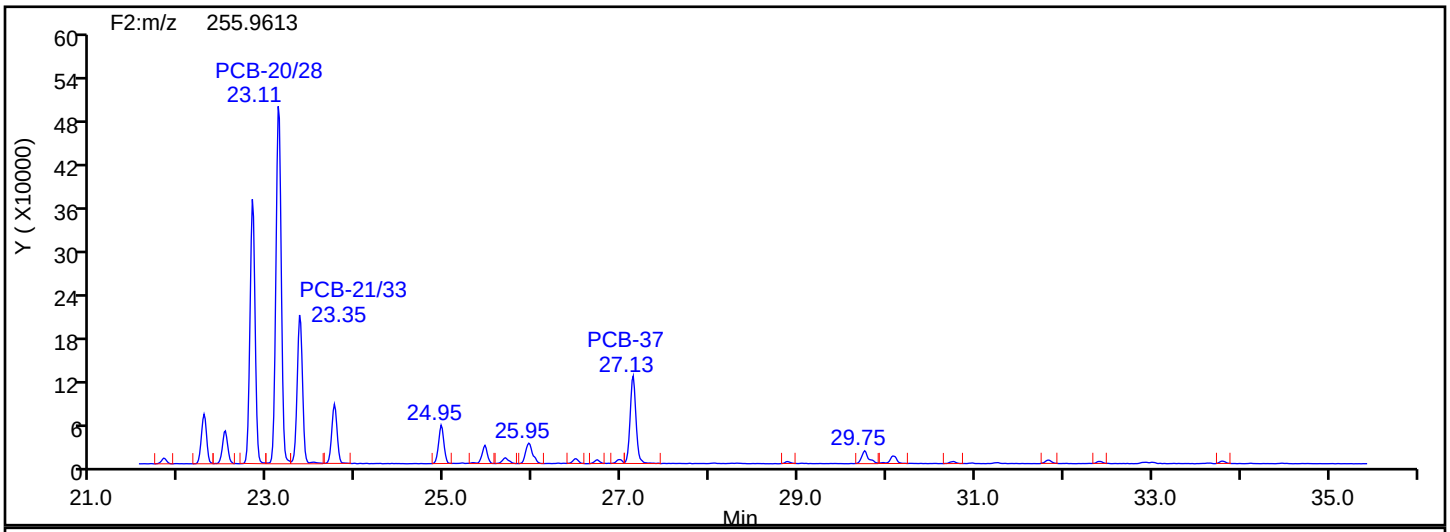


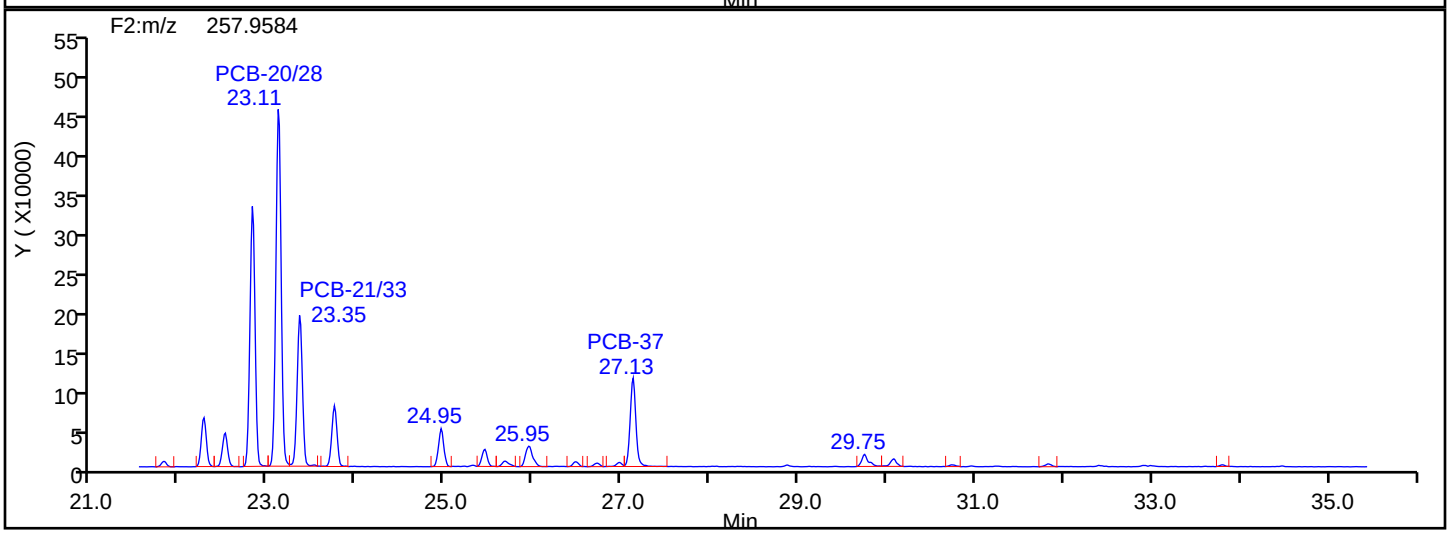



Eurofins TestAmerica, Knoxville

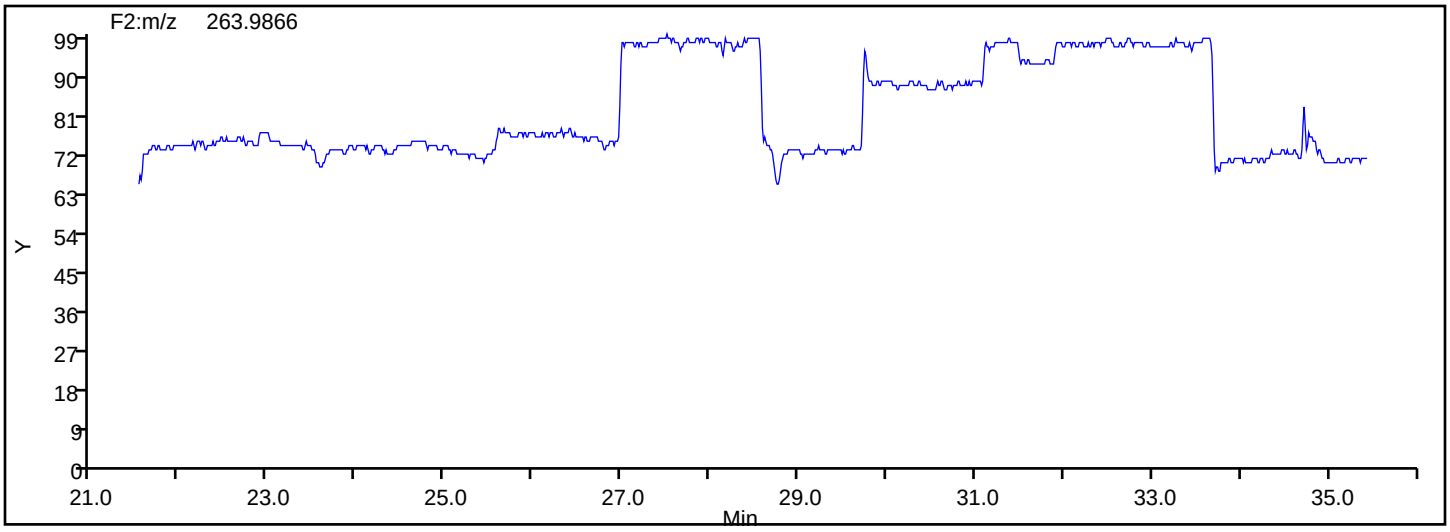
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

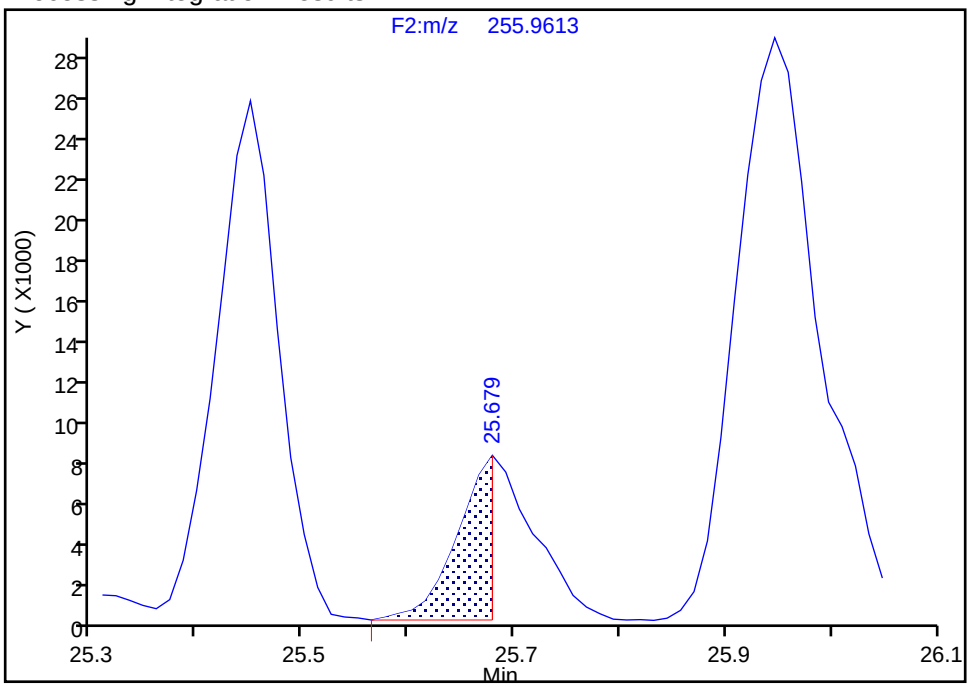
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

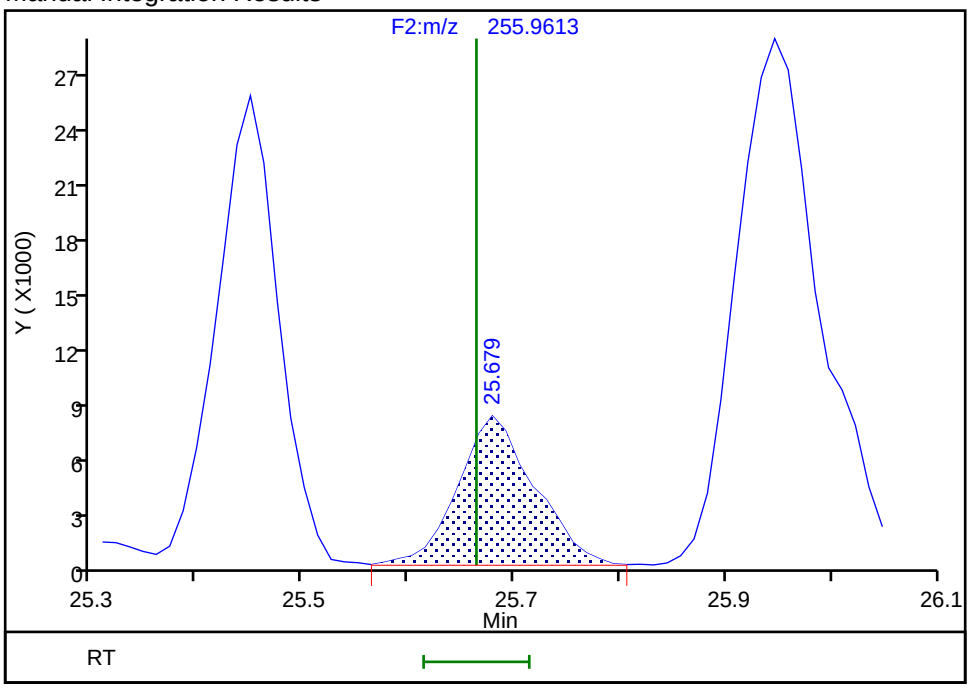
Processing Integration Results

RT: 25.68
Area: 17854
Amount: 0.528537
Amount Units: pg/ul




Manual Integration Results

RT: 25.68
Area: 40358
Amount: 0.746663
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:46:36

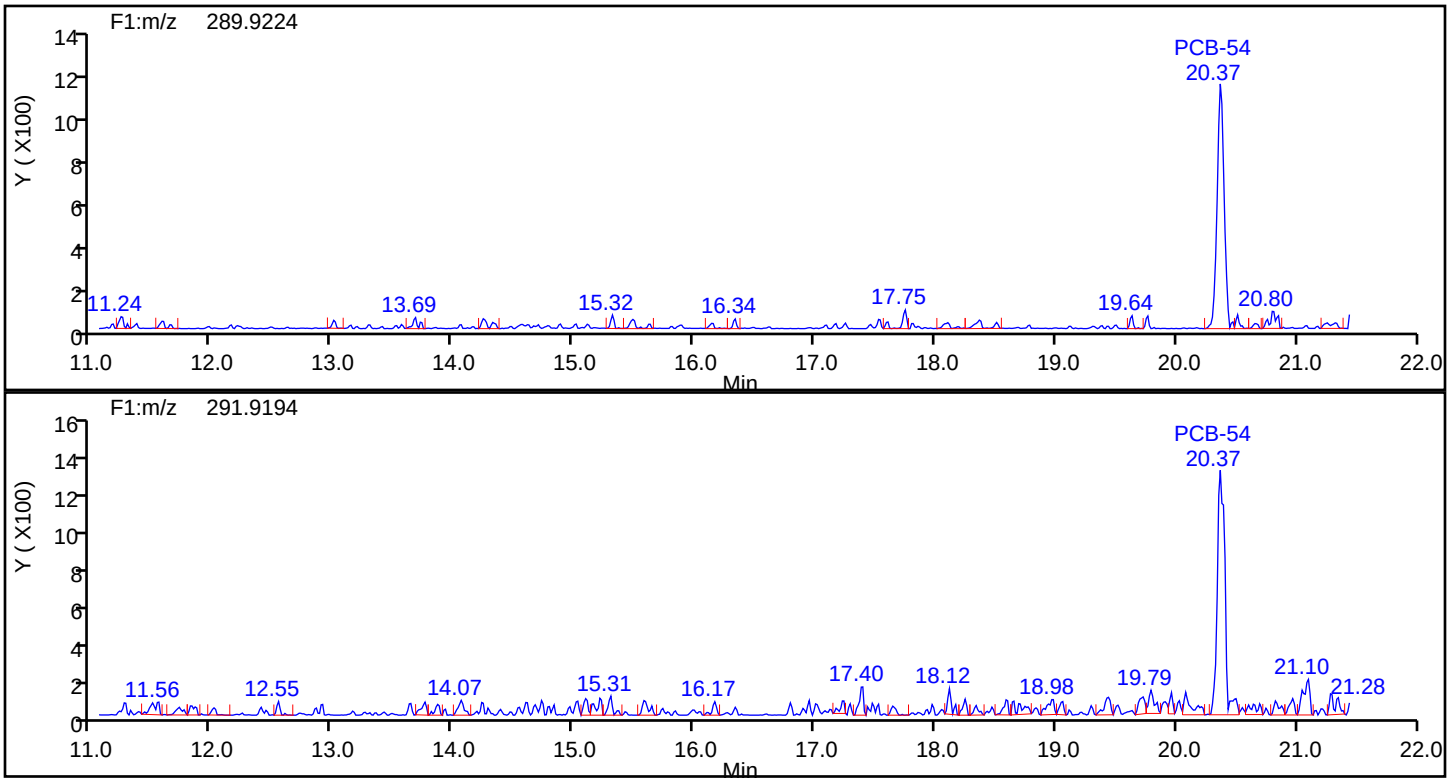
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 10-Oct-2019 23:23:12 Chrom Revision: 2.3 17-Sep-2019 16:19:08

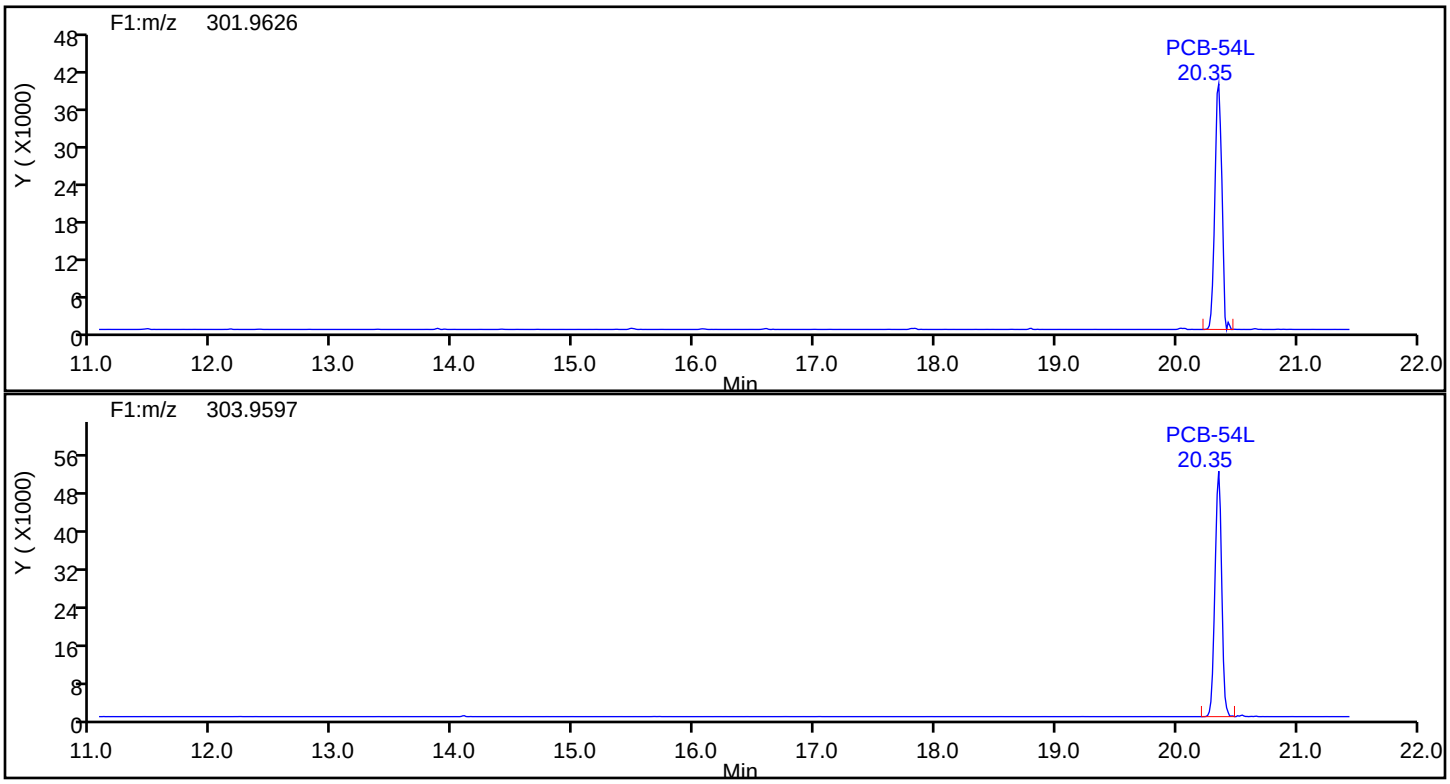
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards

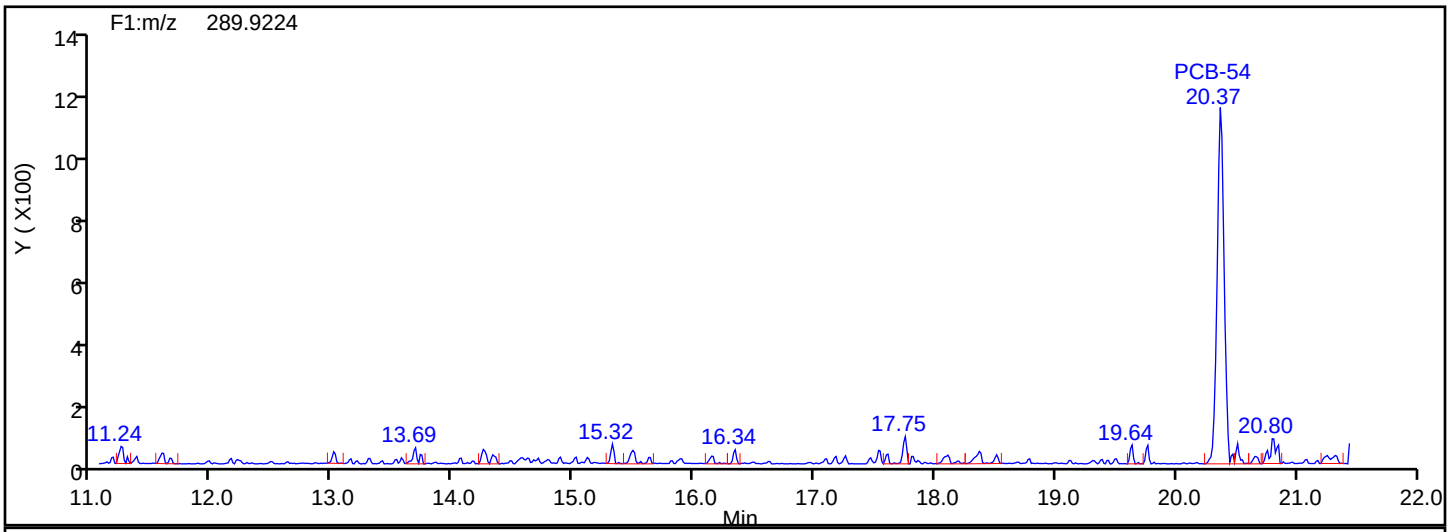


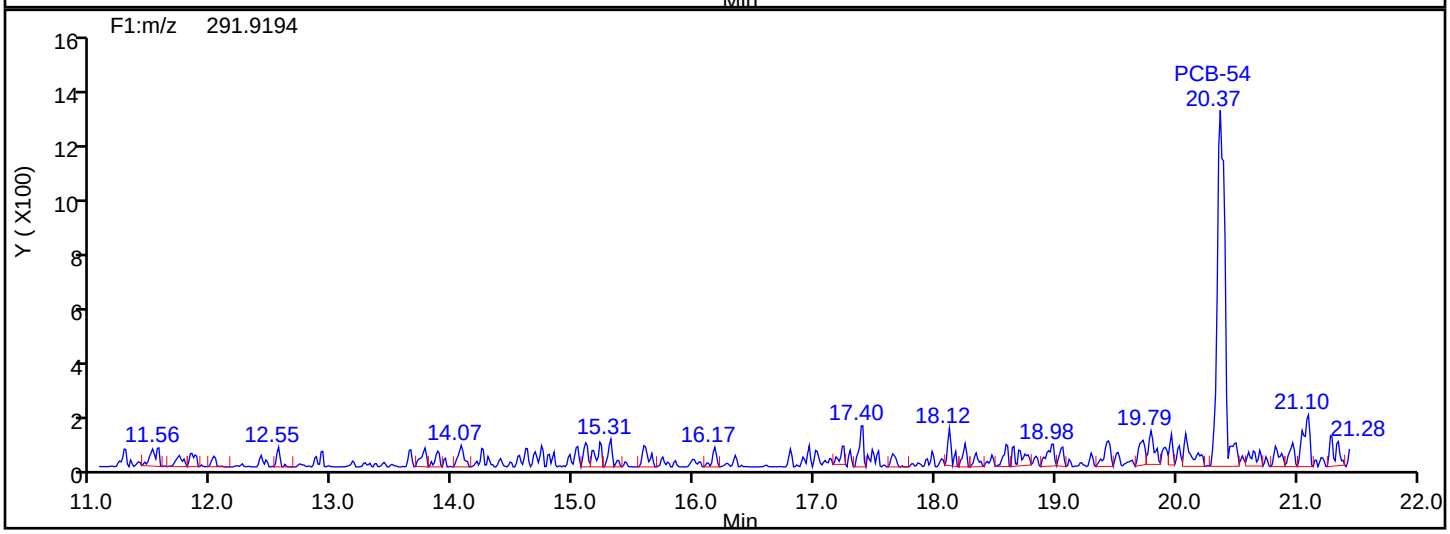
Report Date: 10-Oct-2019 23:23:12 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

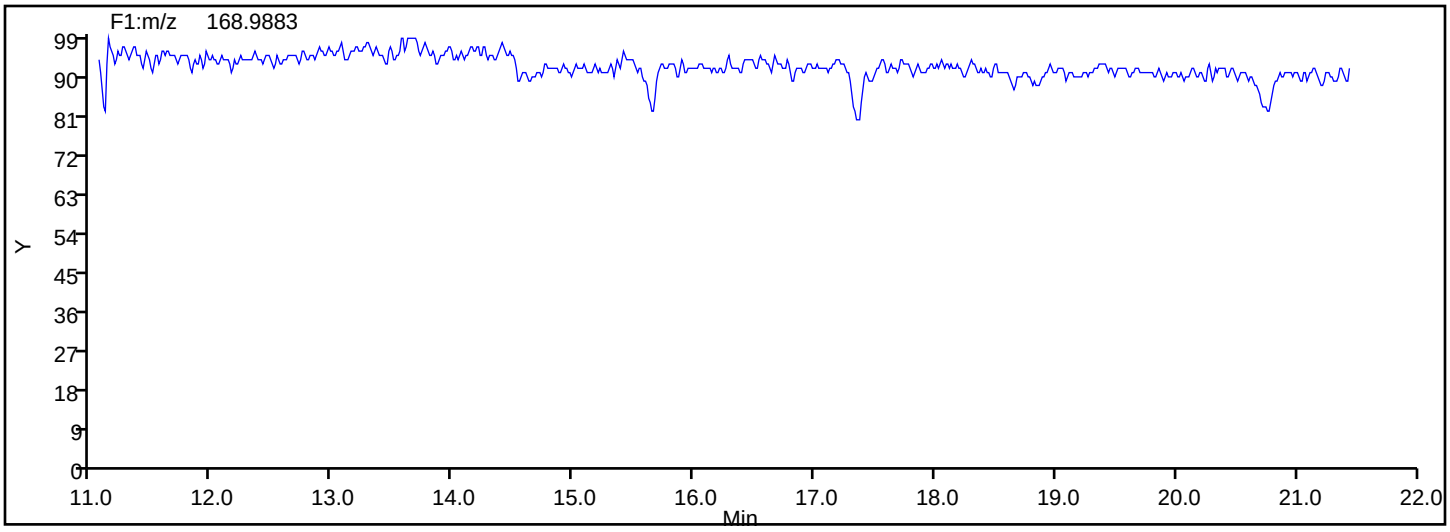
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



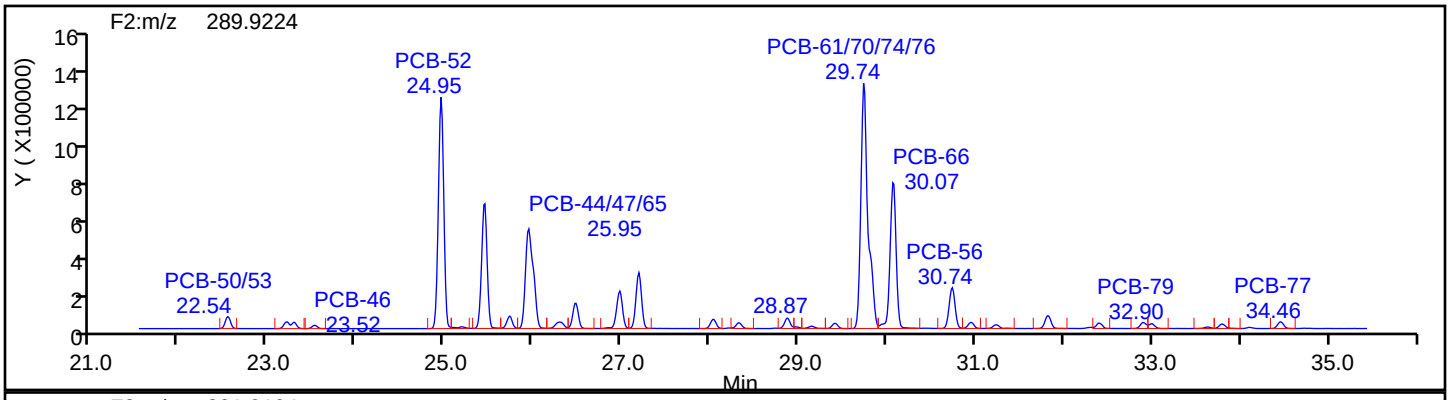

TePCB F1 Lock Mass

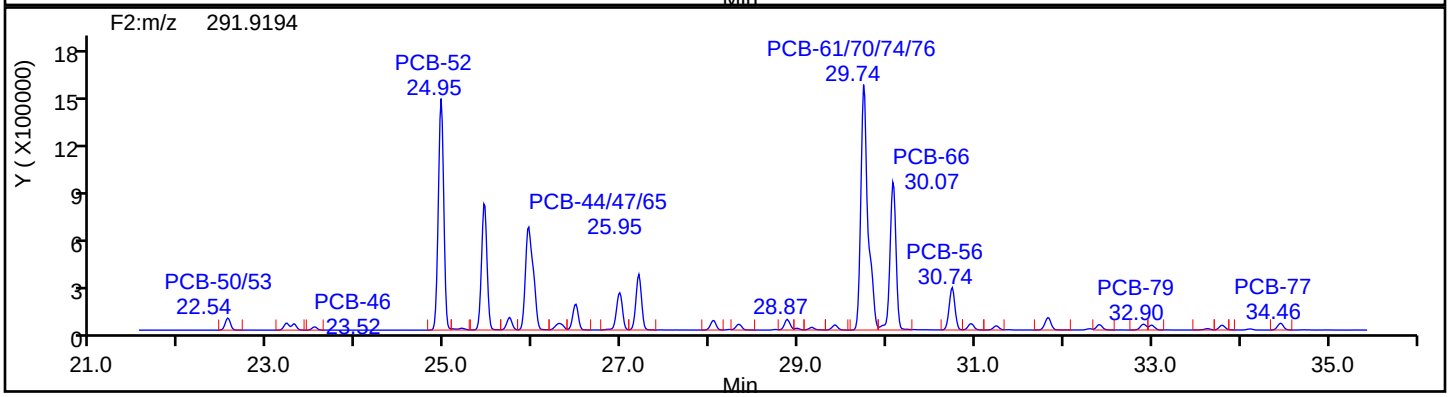


Eurofins TestAmerica, Knoxville

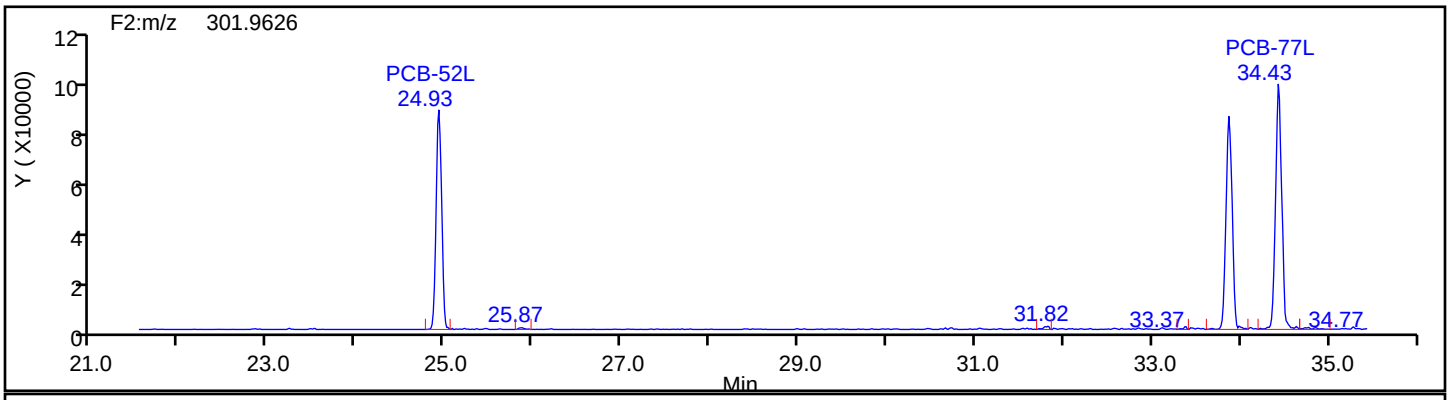
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

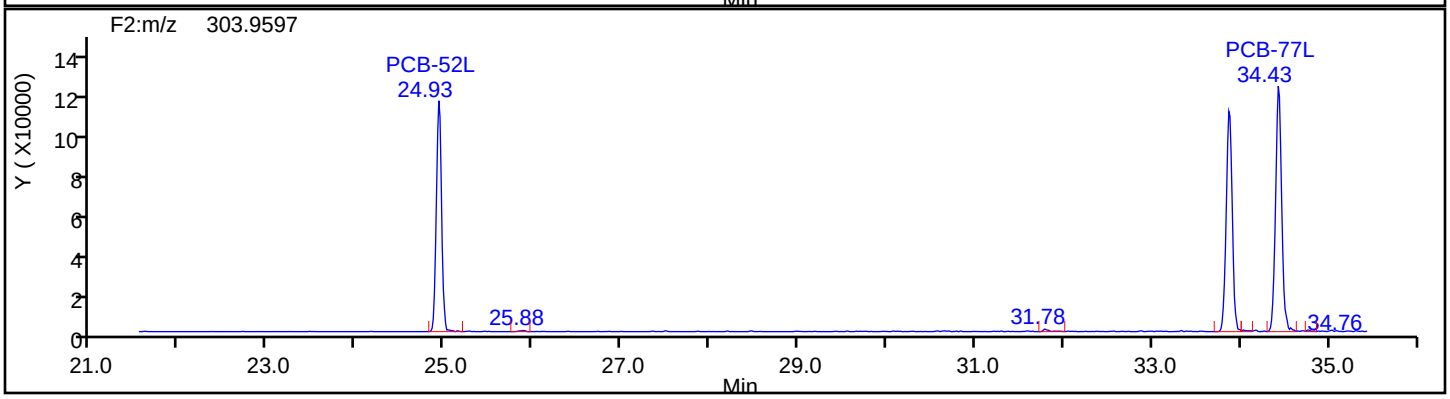
TePCB F2




TePCB F2 Standards

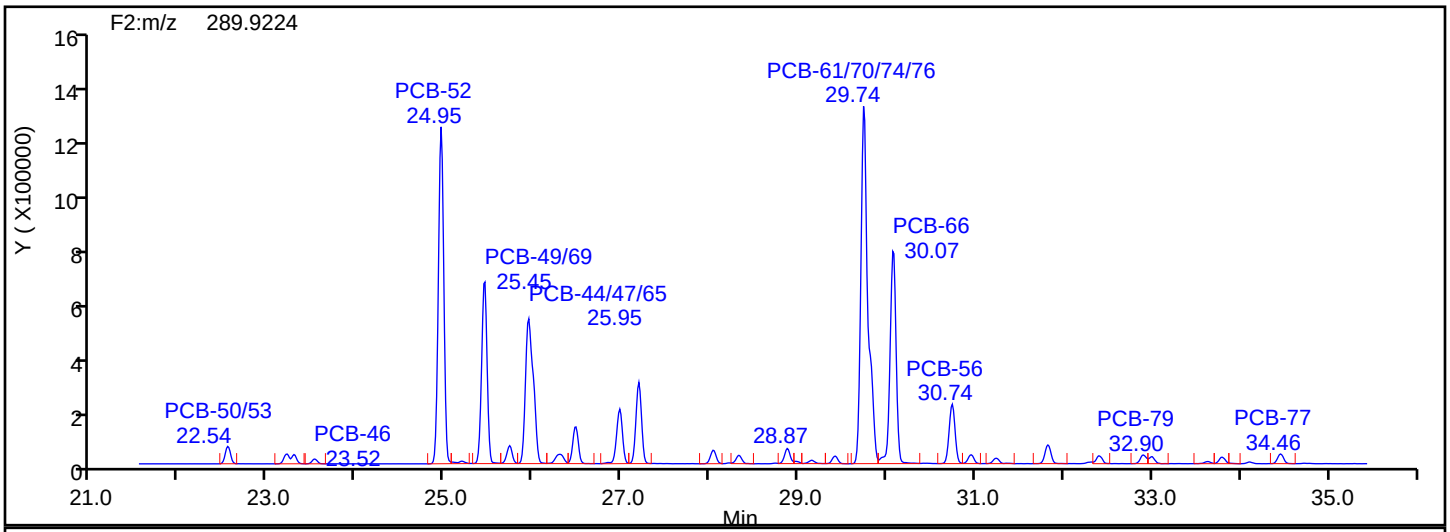


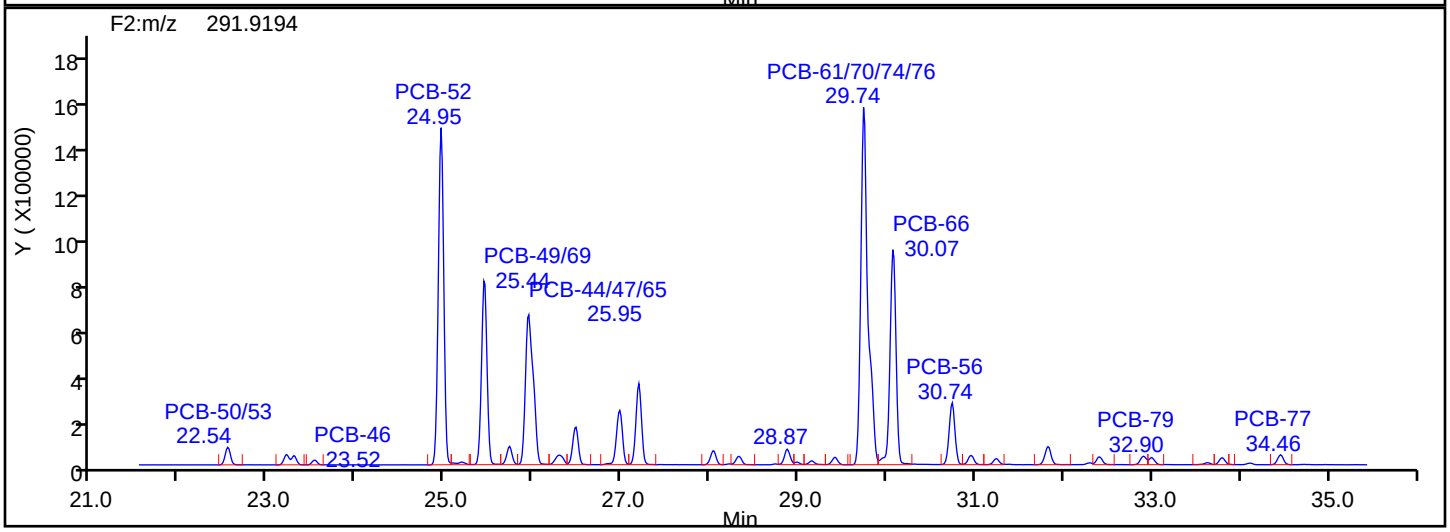



Eurofins TestAmerica, Knoxville

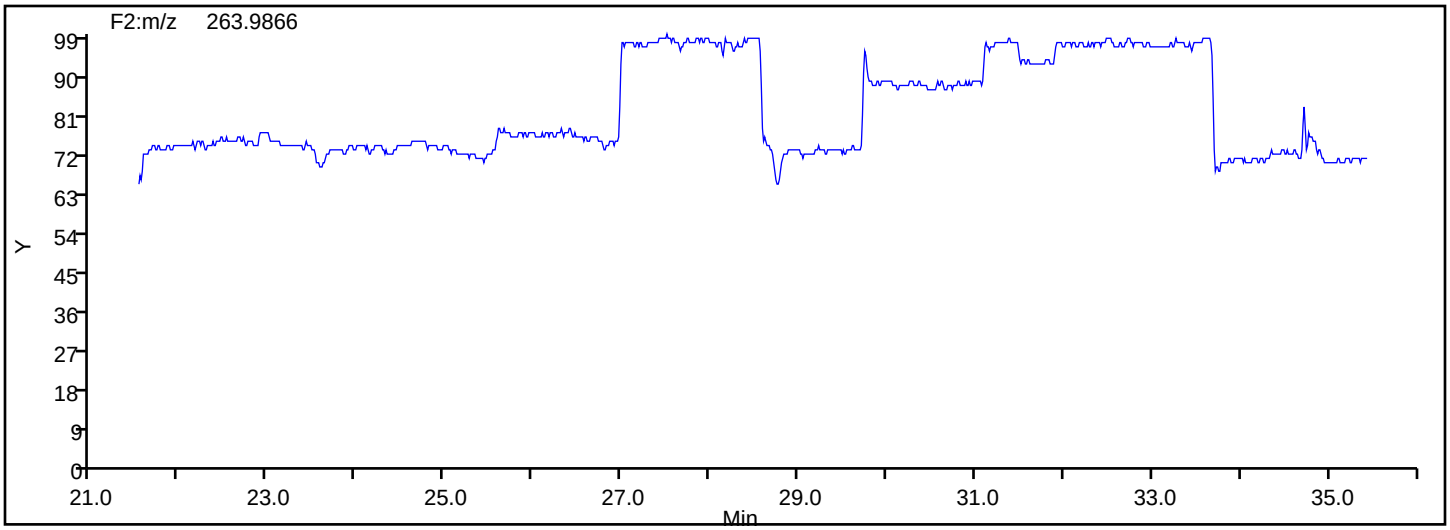
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

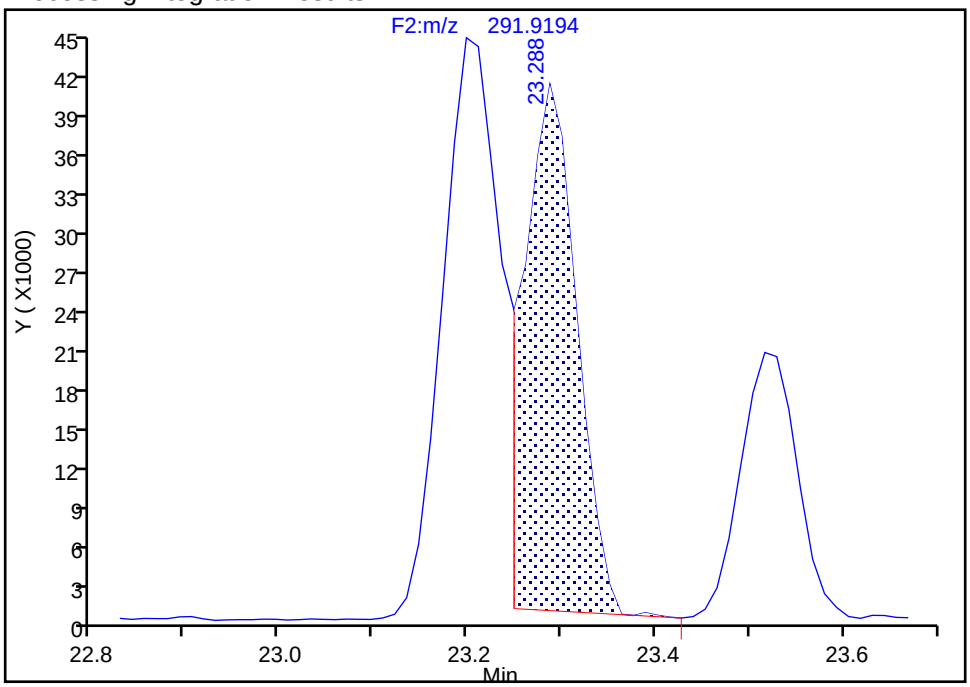
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

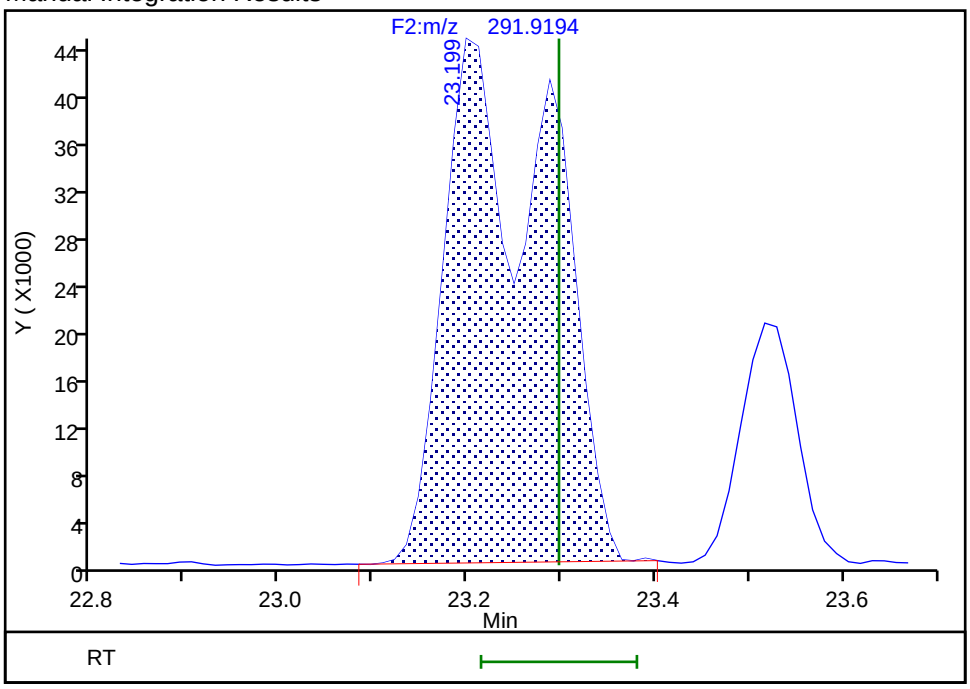
Processing Integration Results

RT: 23.29
Area: 152797
Amount: 6.405855
Amount Units: pg/ul




Manual Integration Results

RT: 23.20
Area: 342869
Amount: 14.317379
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 23:22:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d

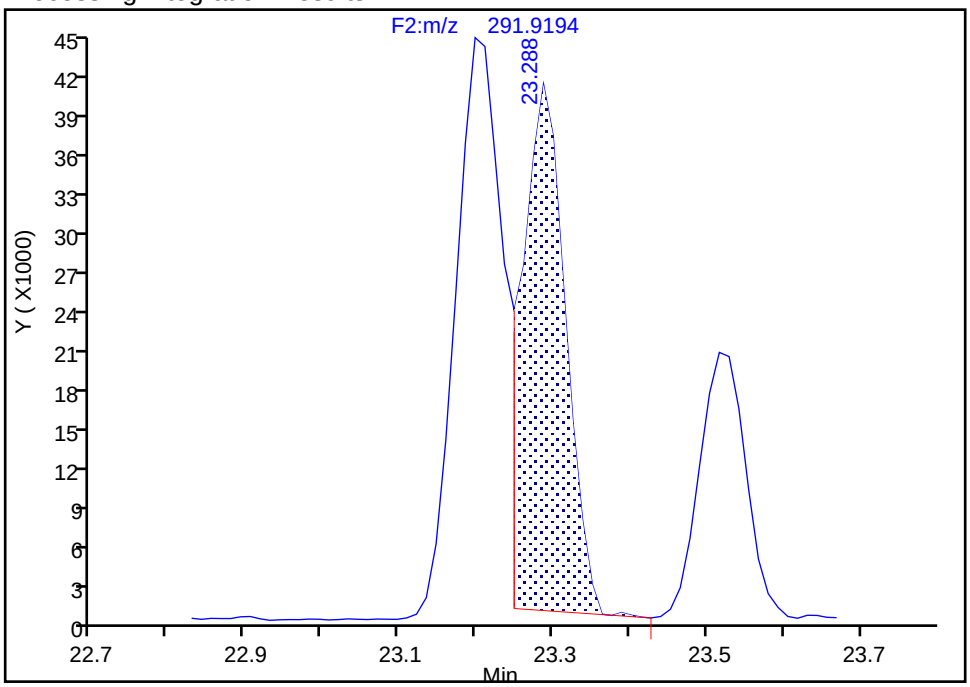
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.29
Area: 277099
Amount: 6.405855
Amount Units: pg/ul




Manual Integration Results

RT: 23.21
Area: 619329
Amount: 14.317379
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 23:22:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

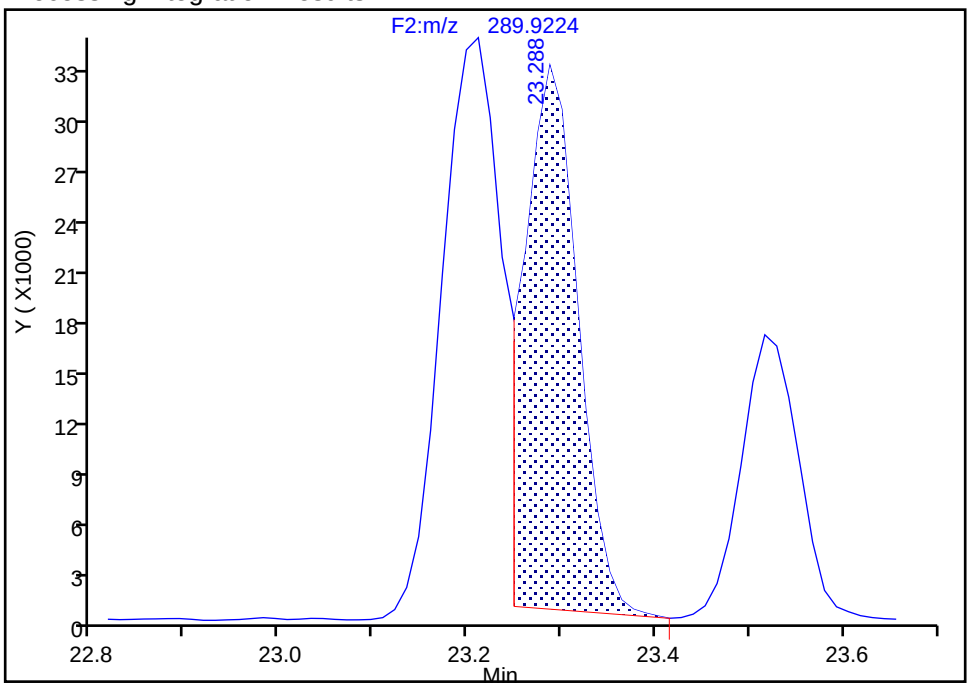
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

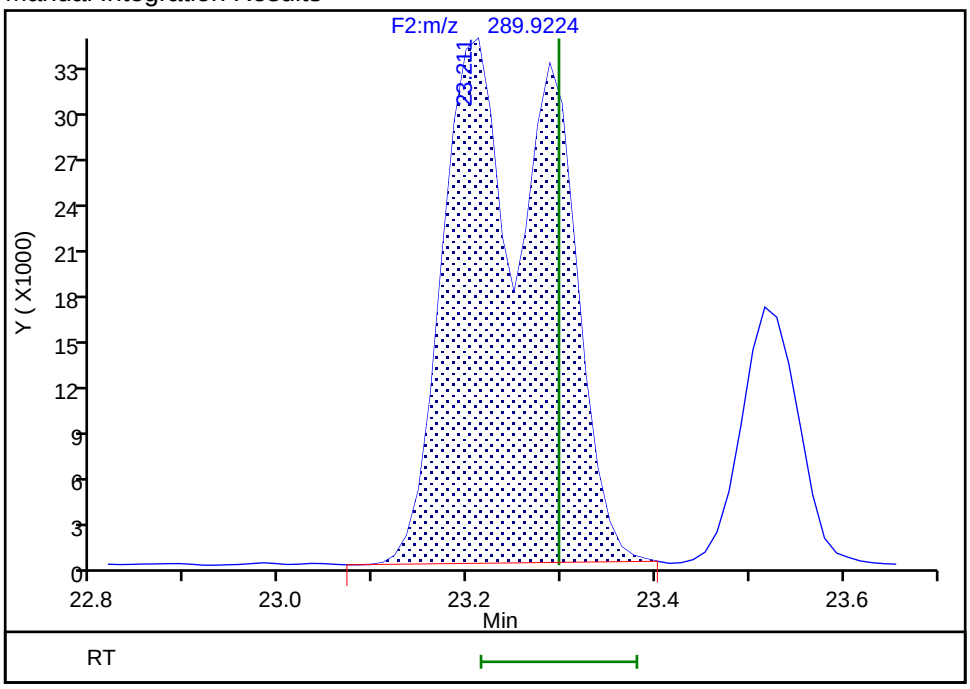
Processing Integration Results

RT: 23.29
Area: 124302
Amount: 6.405855
Amount Units: pg/ul




Manual Integration Results

RT: 23.21
Area: 276460
Amount: 14.317379
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 23:22:58
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

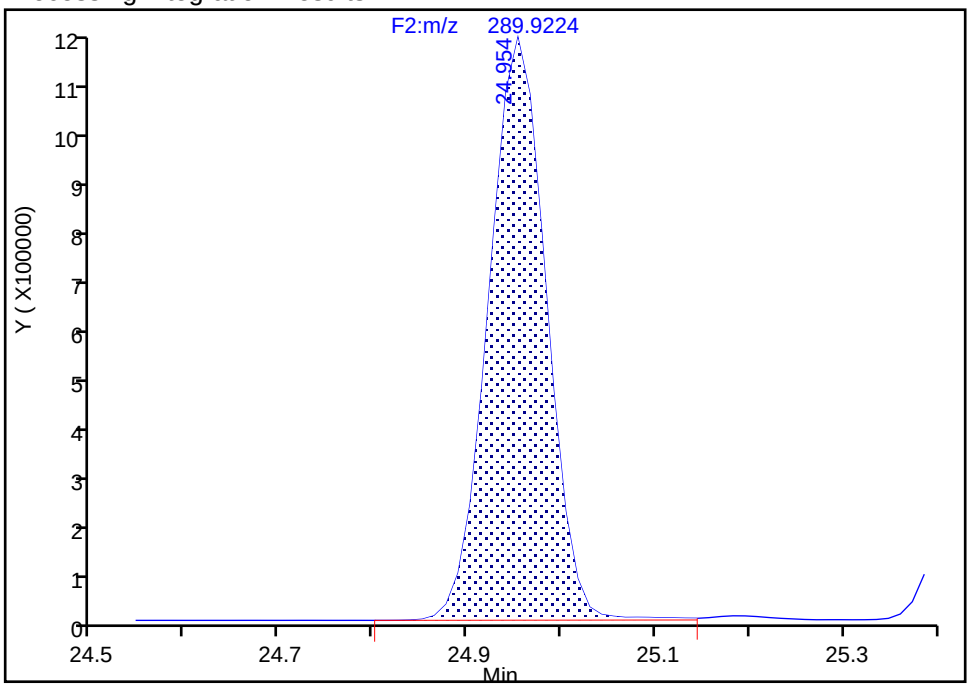
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

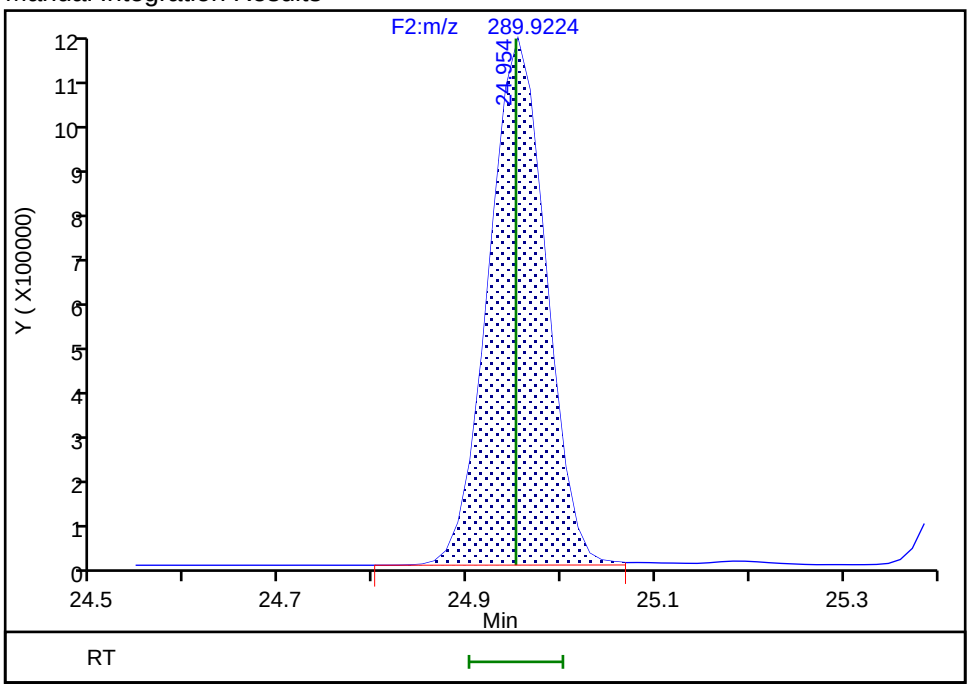
Processing Integration Results

RT: 24.95
Area: 5078197
Amount: 260.8182
Amount Units: pg/ul




Manual Integration Results

RT: 24.95
Area: 5057452
Amount: 259.7449
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:47:24

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

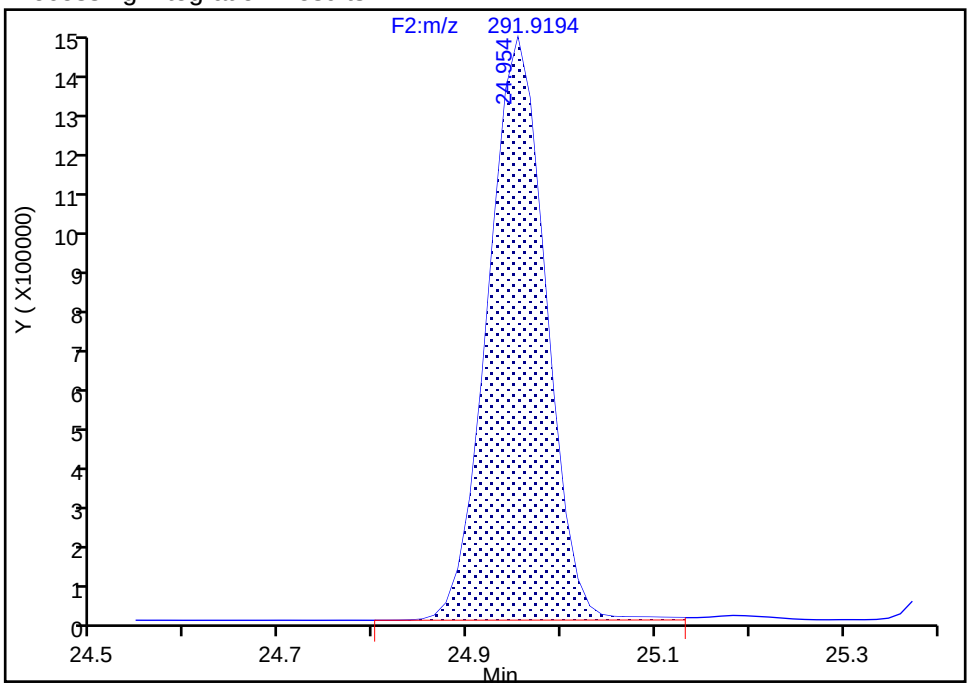
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

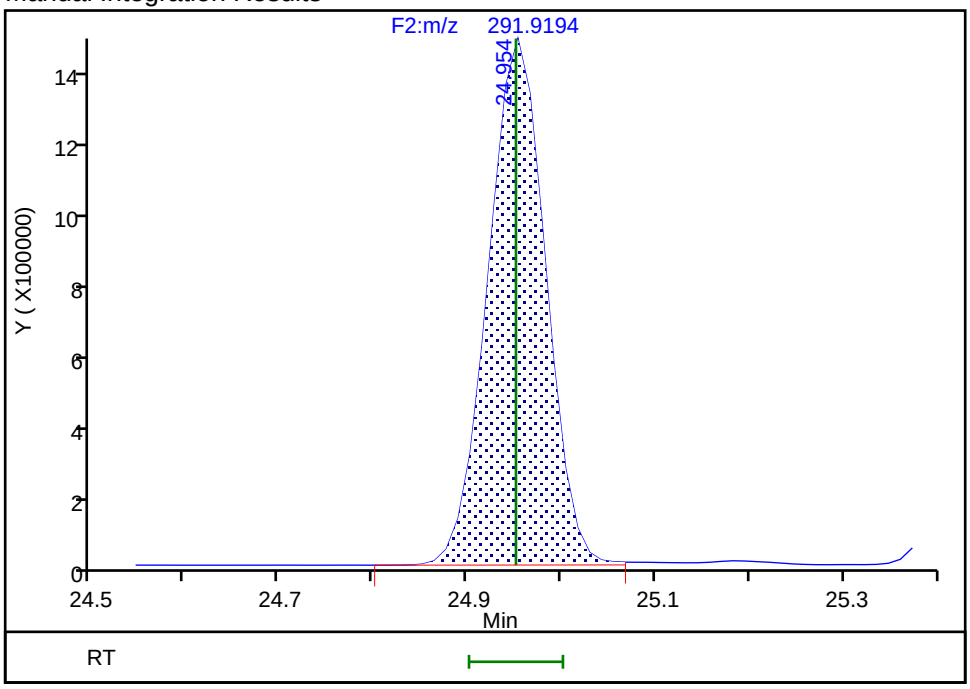
Processing Integration Results

RT: 24.95
Area: 6385276
Amount: 260.8182
Amount Units: pg/ul




Manual Integration Results

RT: 24.95
Area: 6358850
Amount: 259.7449
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:47:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

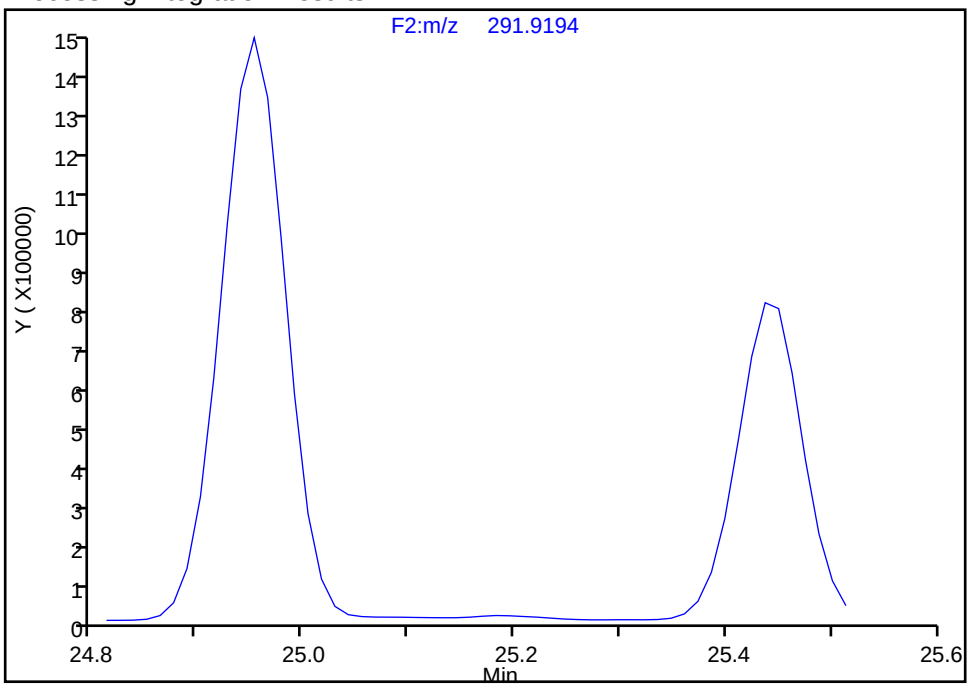
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

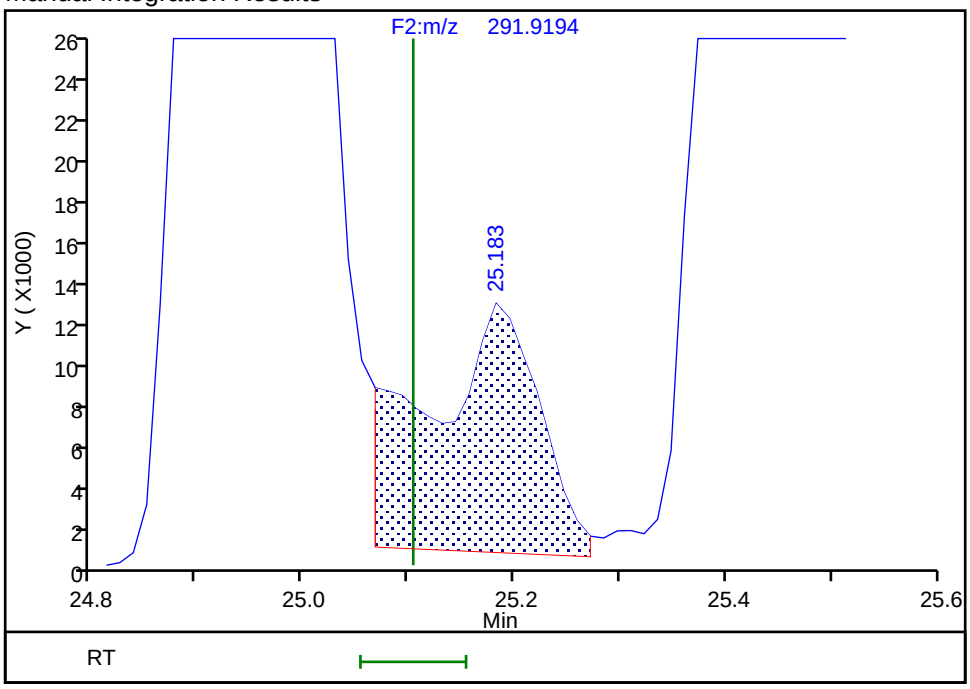
Not Detected
Expected RT: 25.10

Processing Integration Results




Manual Integration Results

RT: 25.18
Area: 85438
Amount: 2.966591
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:47:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

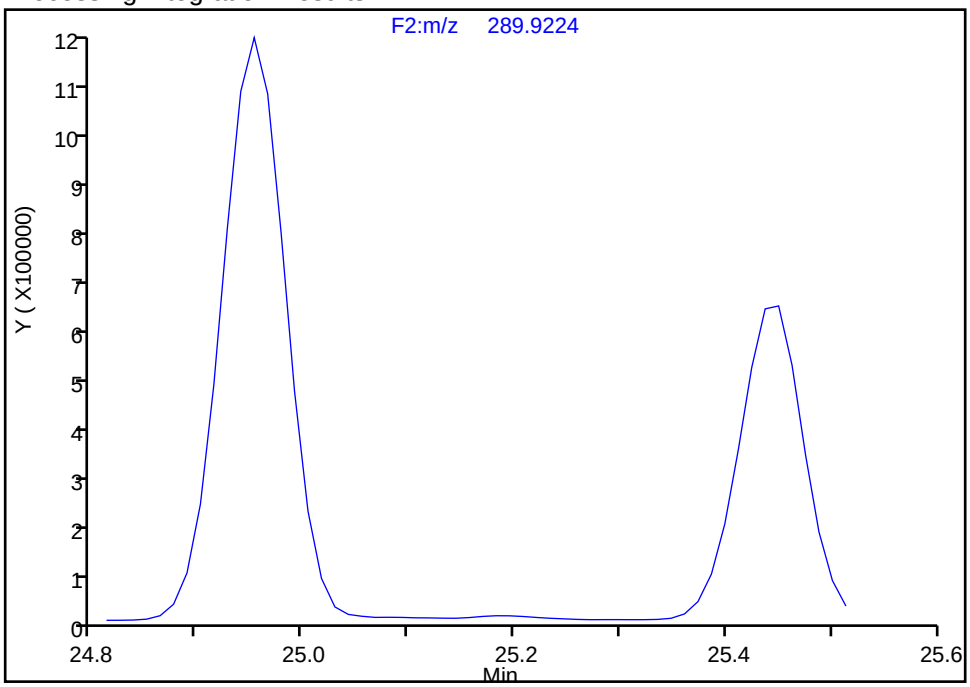
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

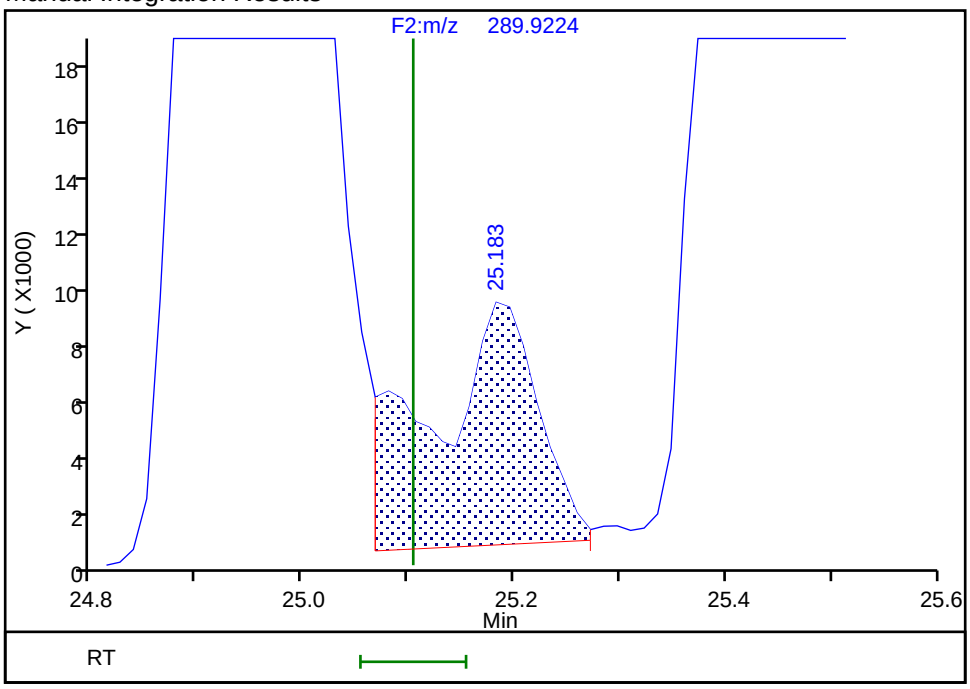
Processing Integration Results

Not Detected
Expected RT: 25.10




Manual Integration Results

RT: 25.18
Area: 59464
Amount: 2.966591
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:47:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

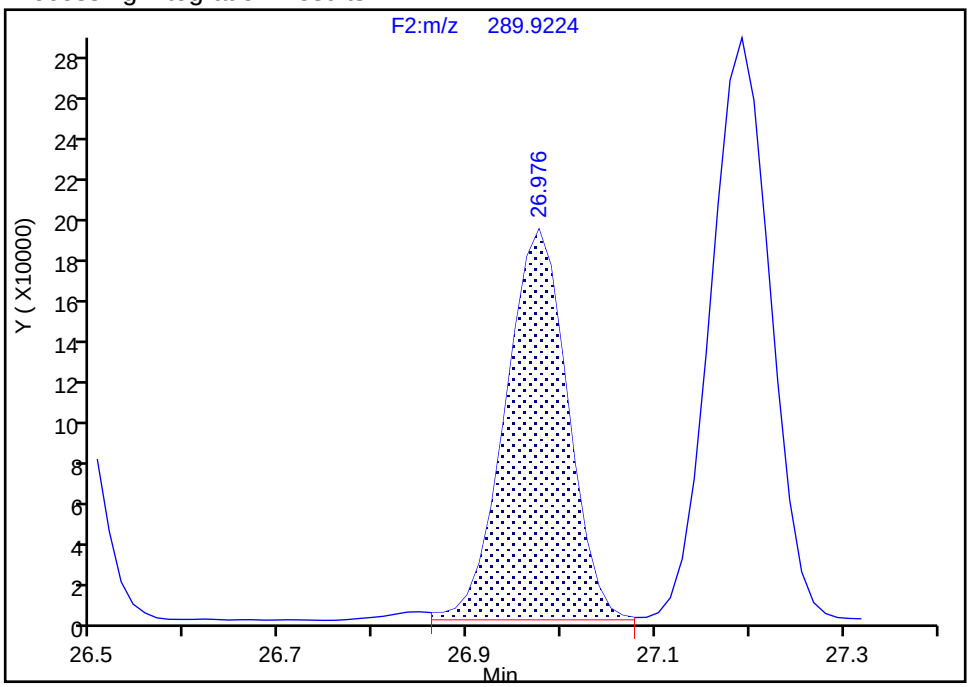
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

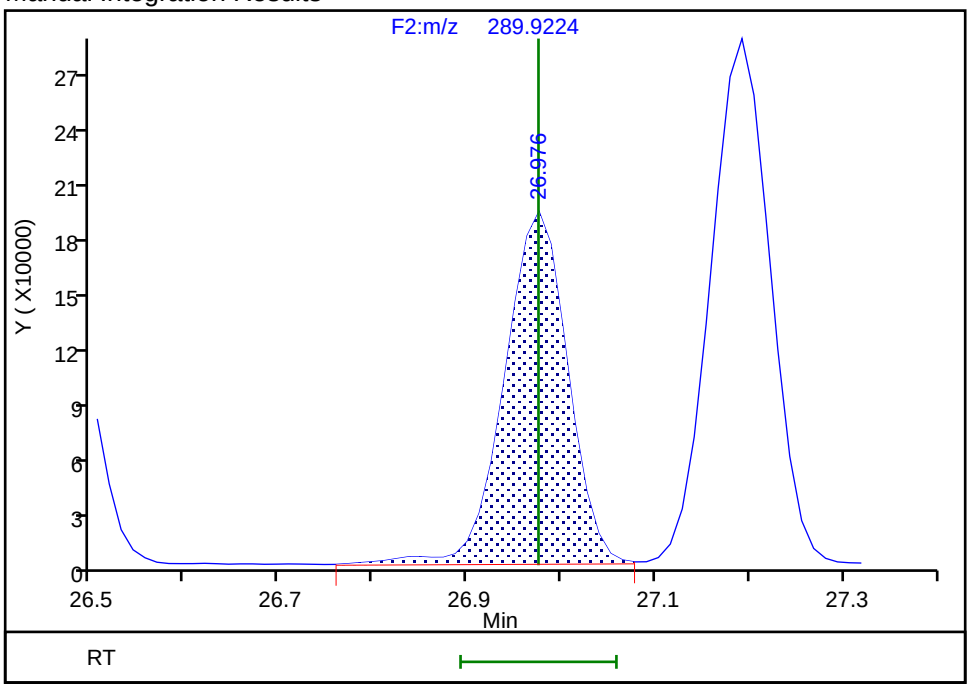
Processing Integration Results

RT: 26.98
Area: 888153
Amount: 45.486223
Amount Units: pg/ul




Manual Integration Results

RT: 26.98
Area: 906262
Amount: 45.889867
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:48:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

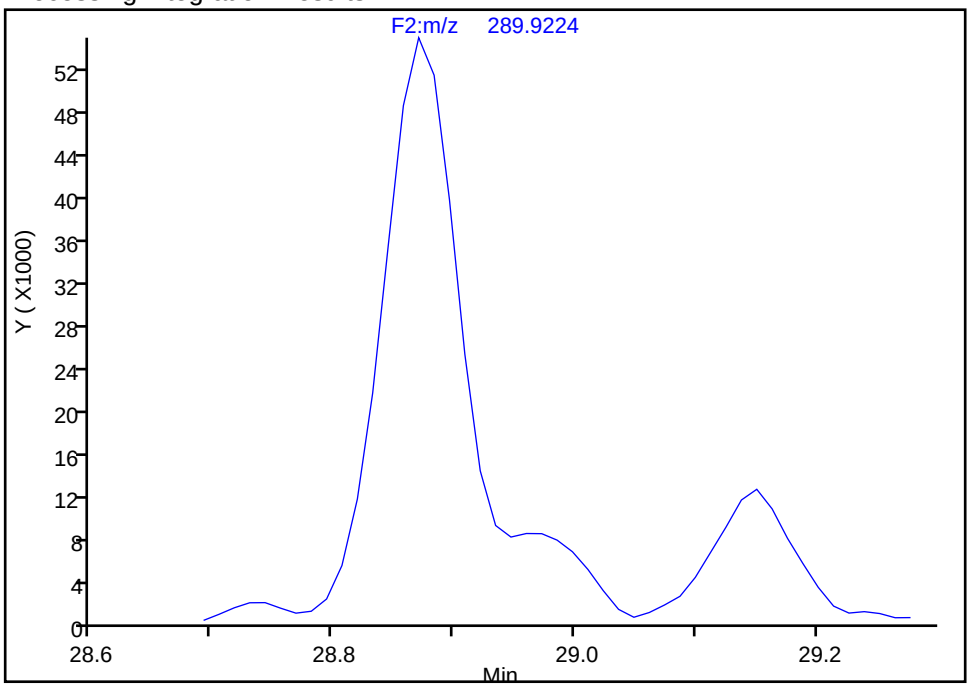
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

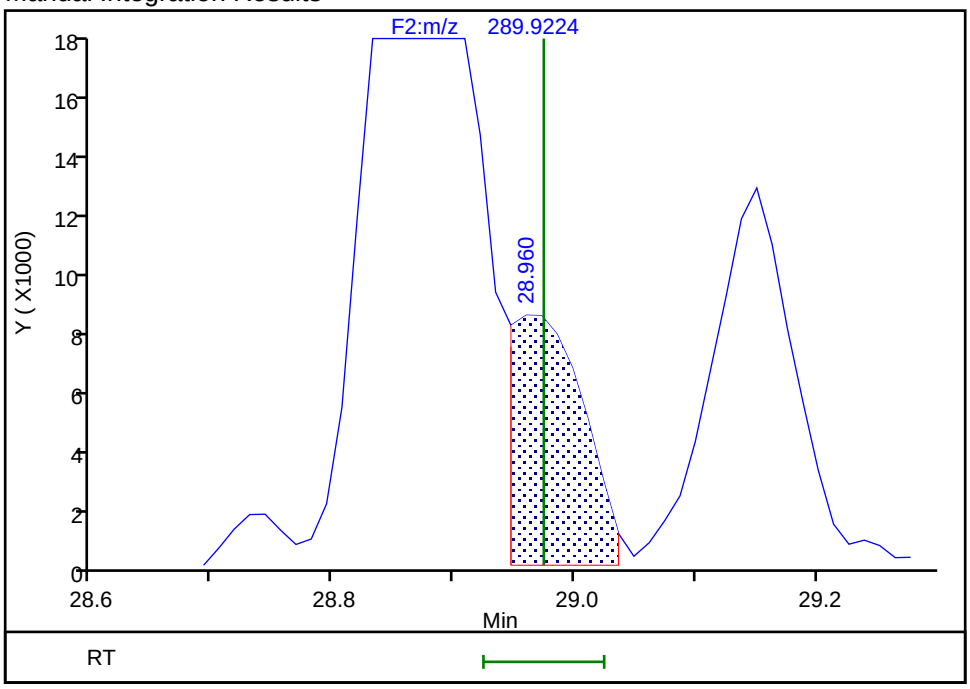
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 28.96
Area: 31541
Amount: 1.179430
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:48:30
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

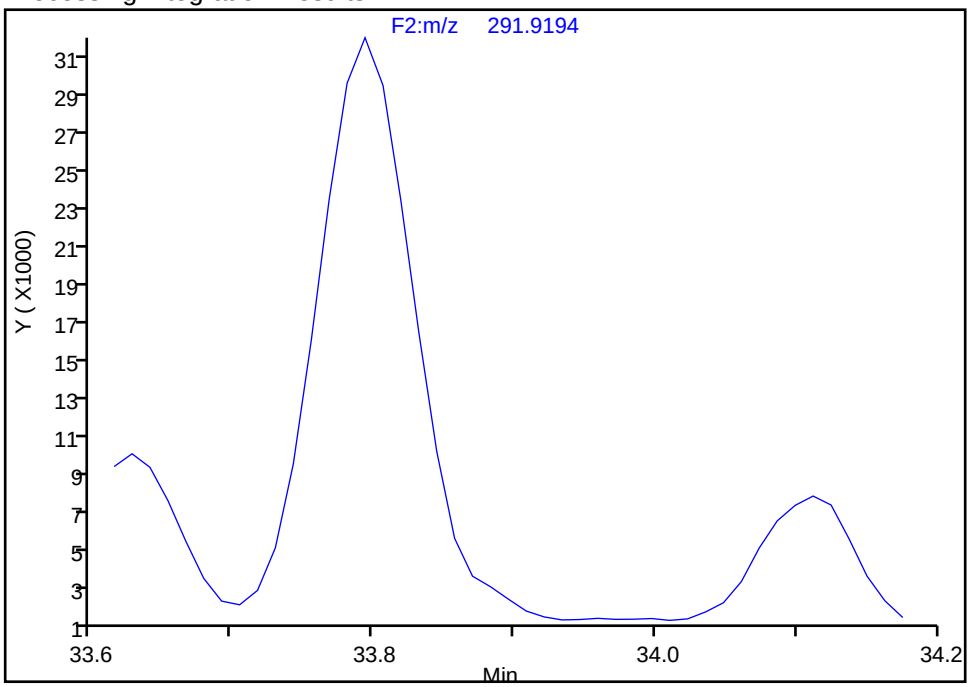
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

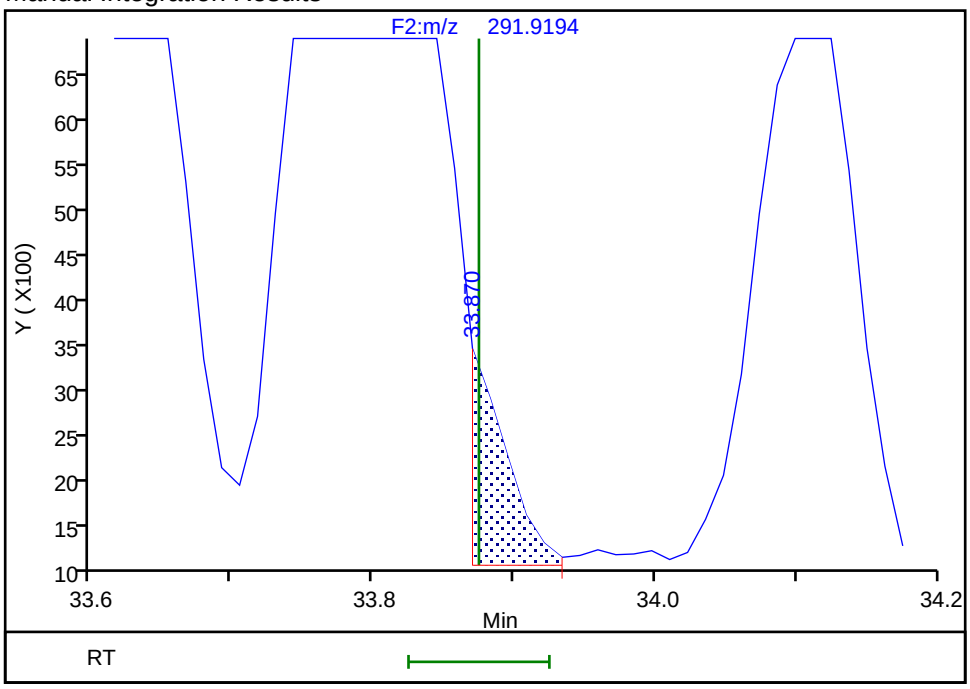
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.87
Area: 3846
Amount: 0.179871
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:49:02
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

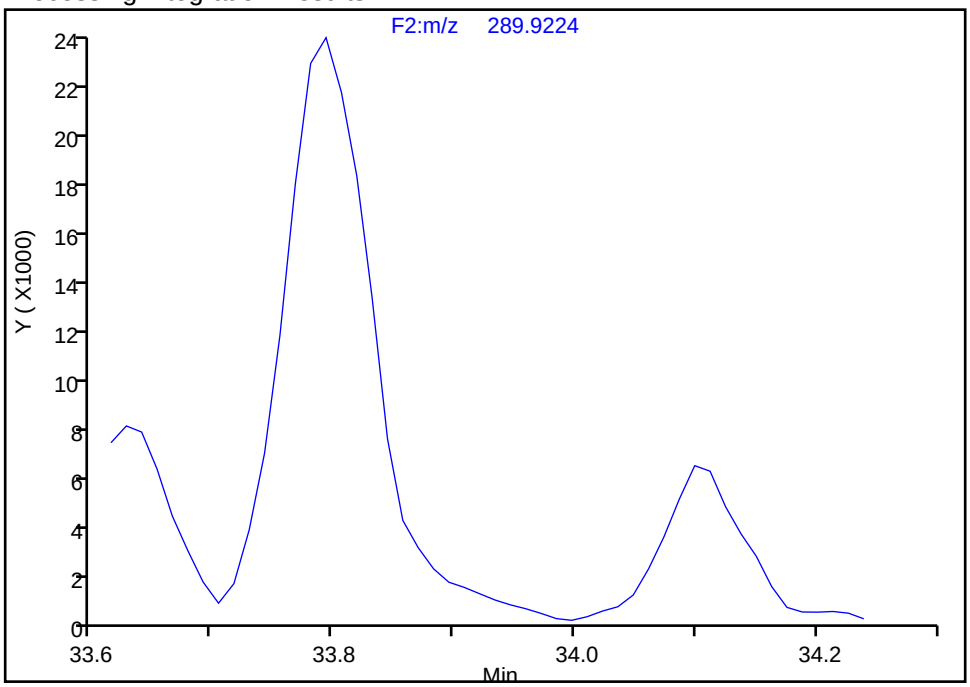
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

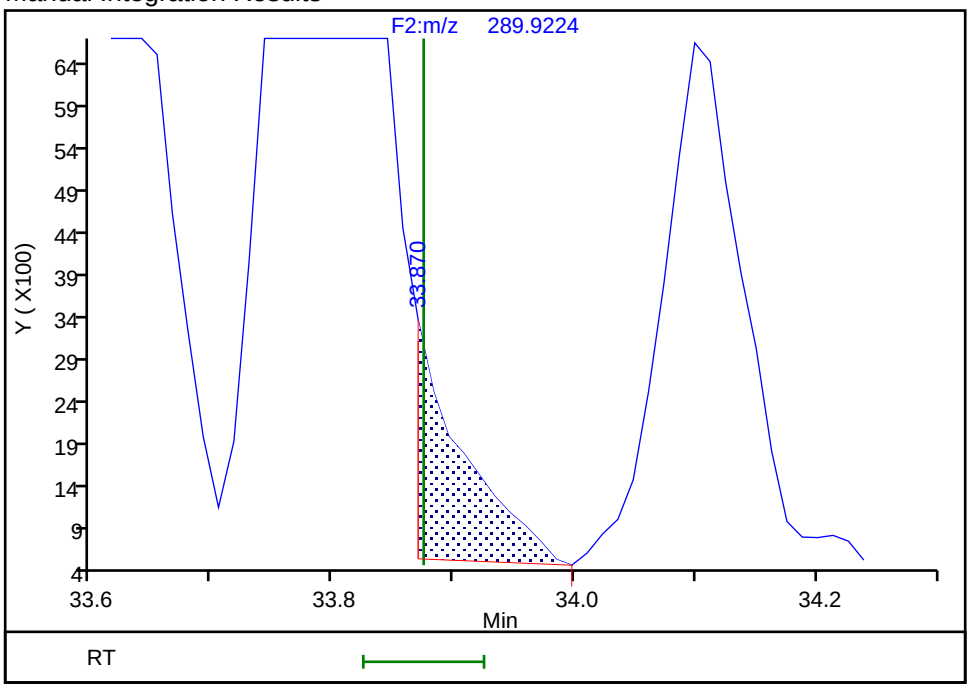
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.87
Area: 7044
Amount: 0.179871
Amount Units: pg/ul

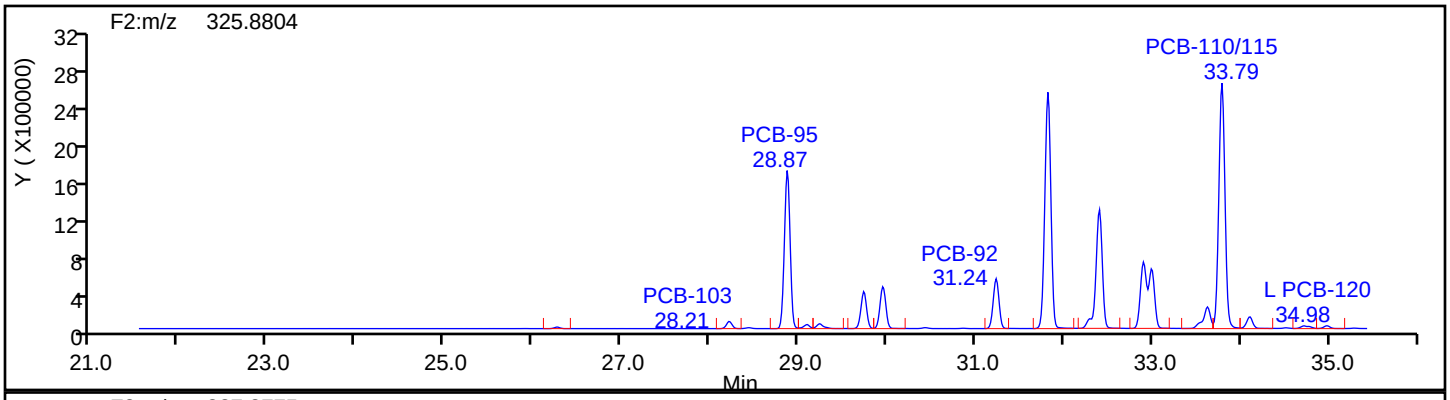


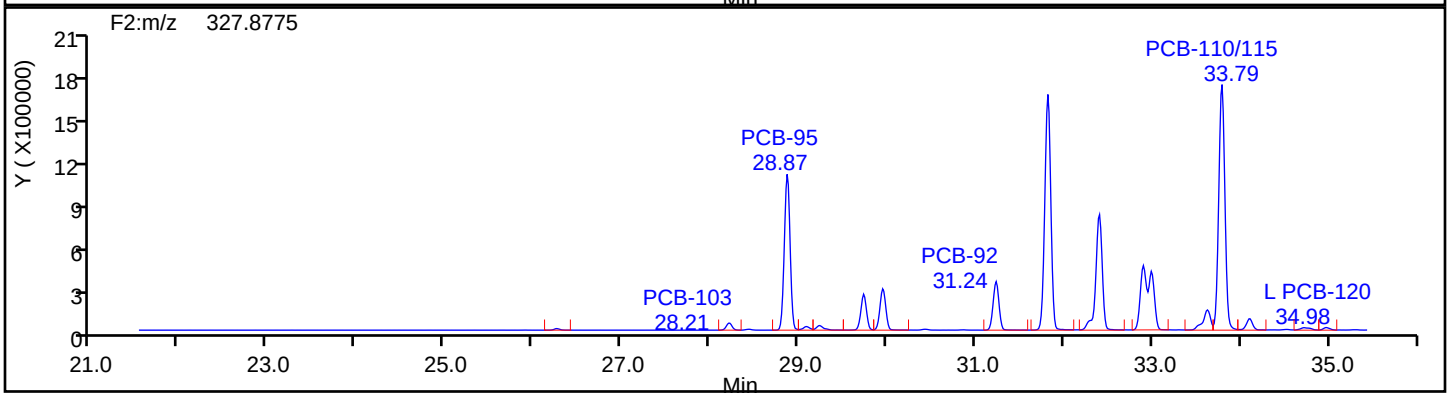

Reviewer: davidsonm, 10-Oct-2019 08:49:07
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

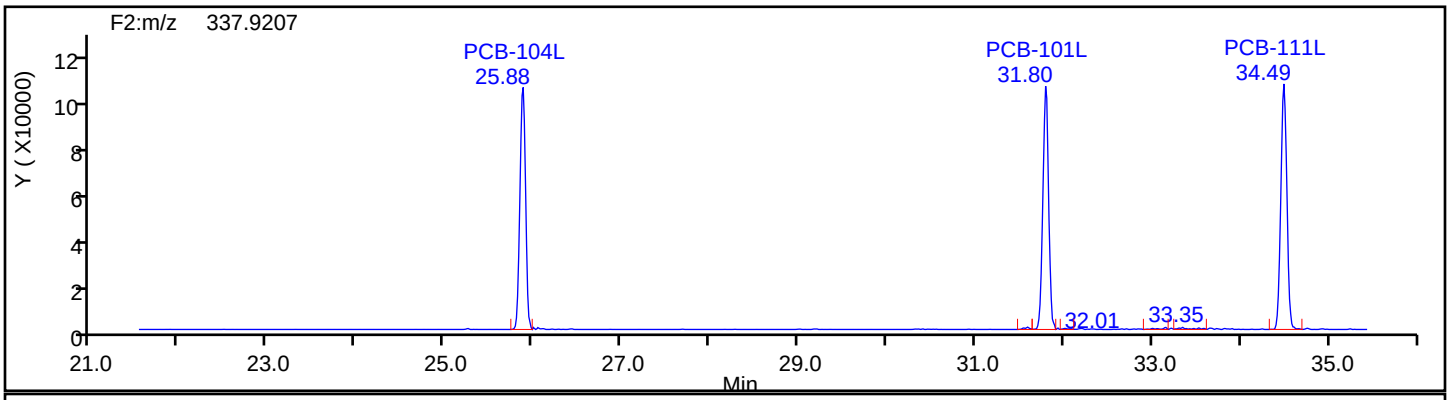
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

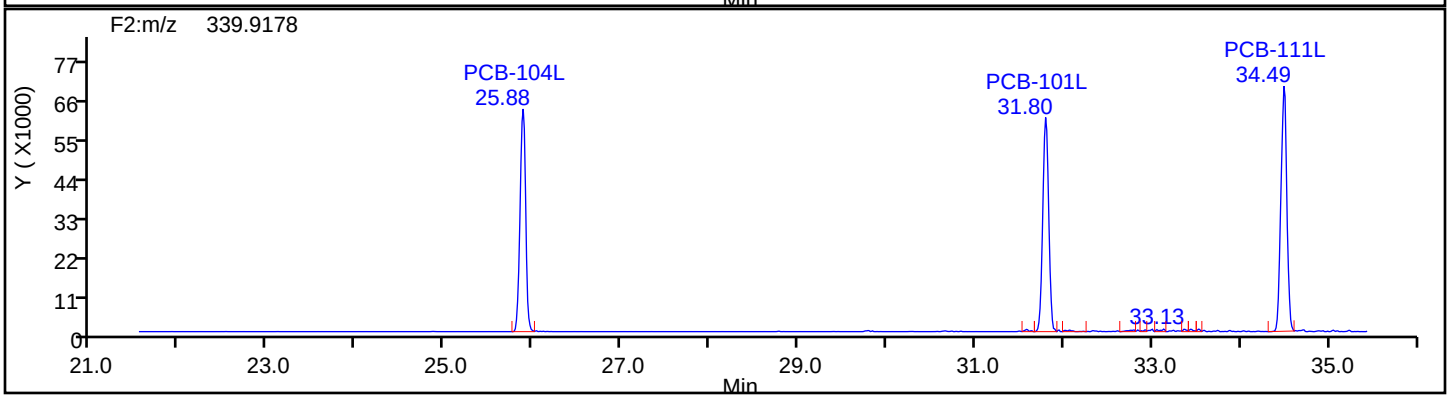
PePCB F2




PePCB F2 Standards

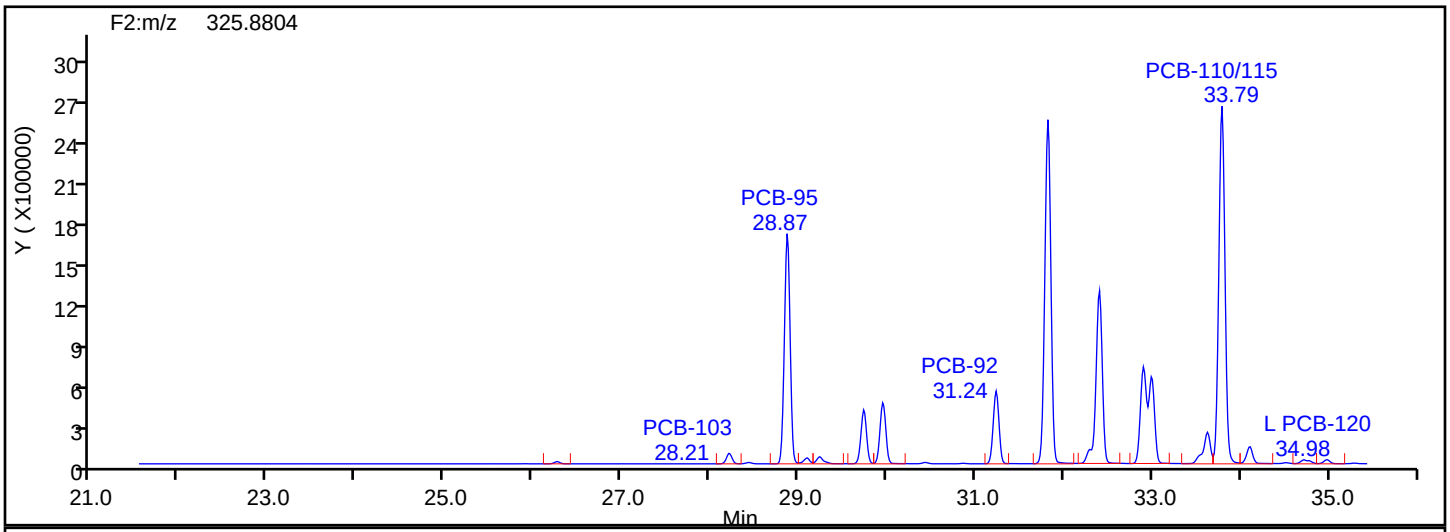


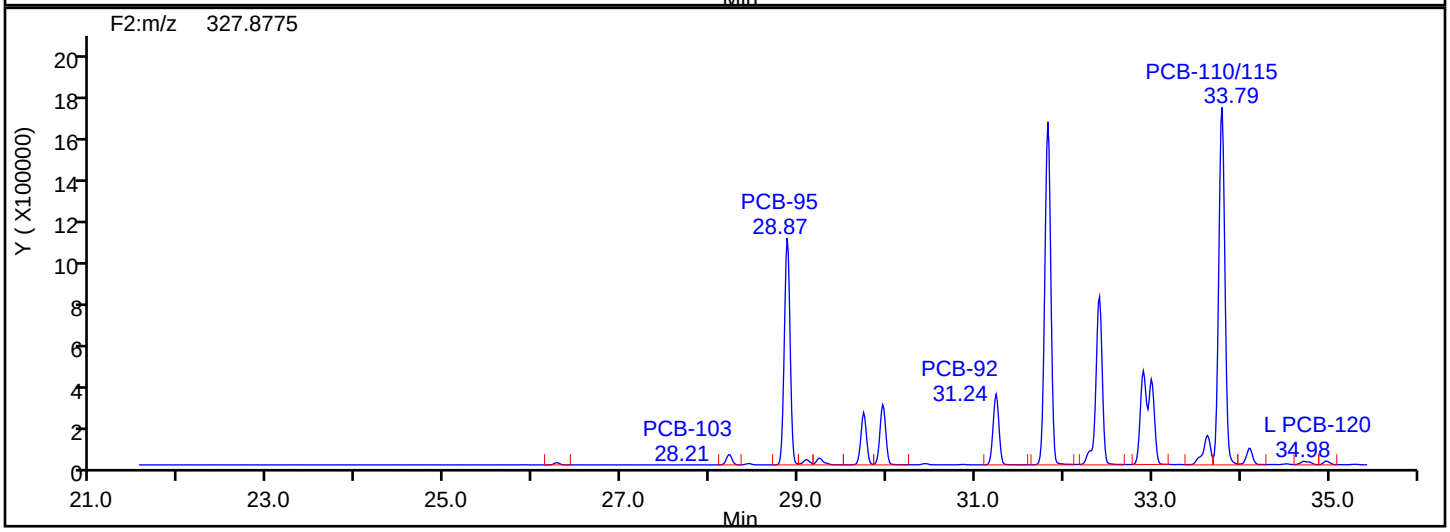



Eurofins TestAmerica, Knoxville

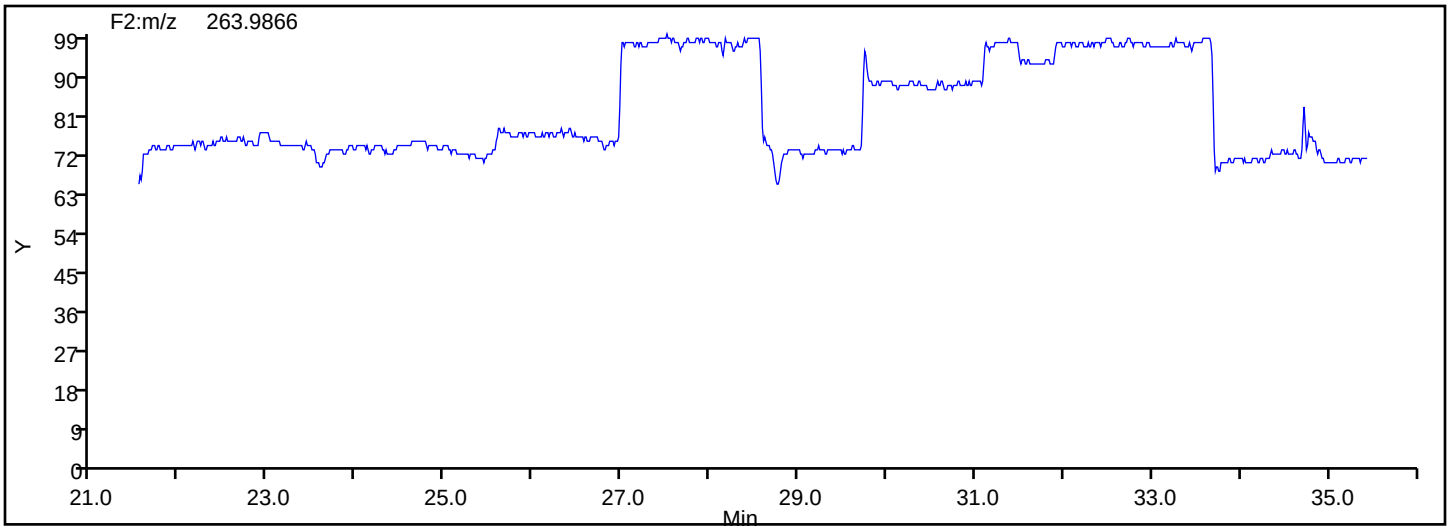
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

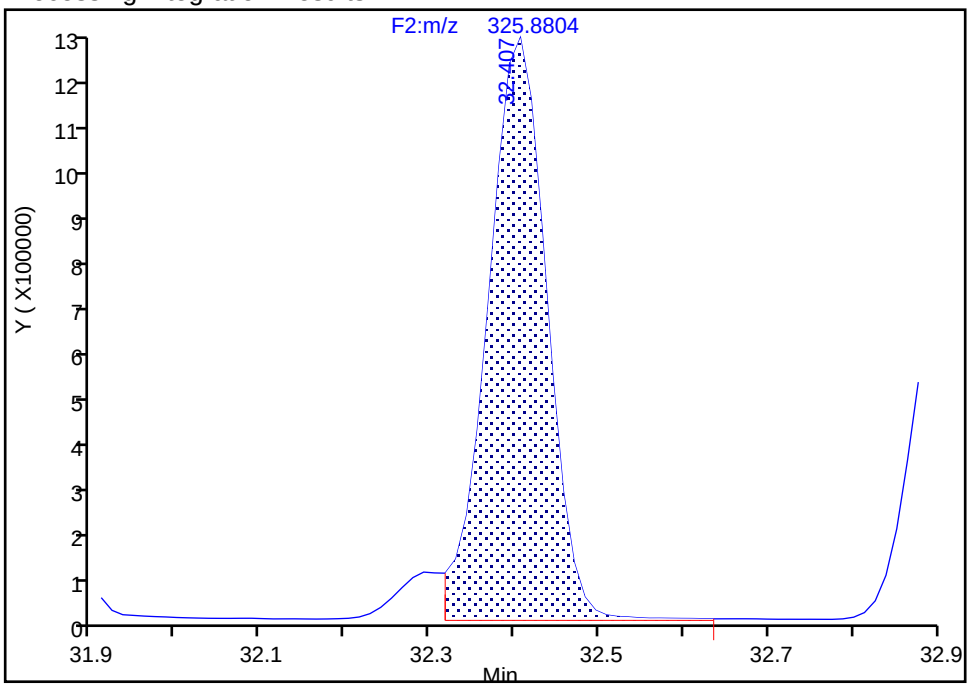
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

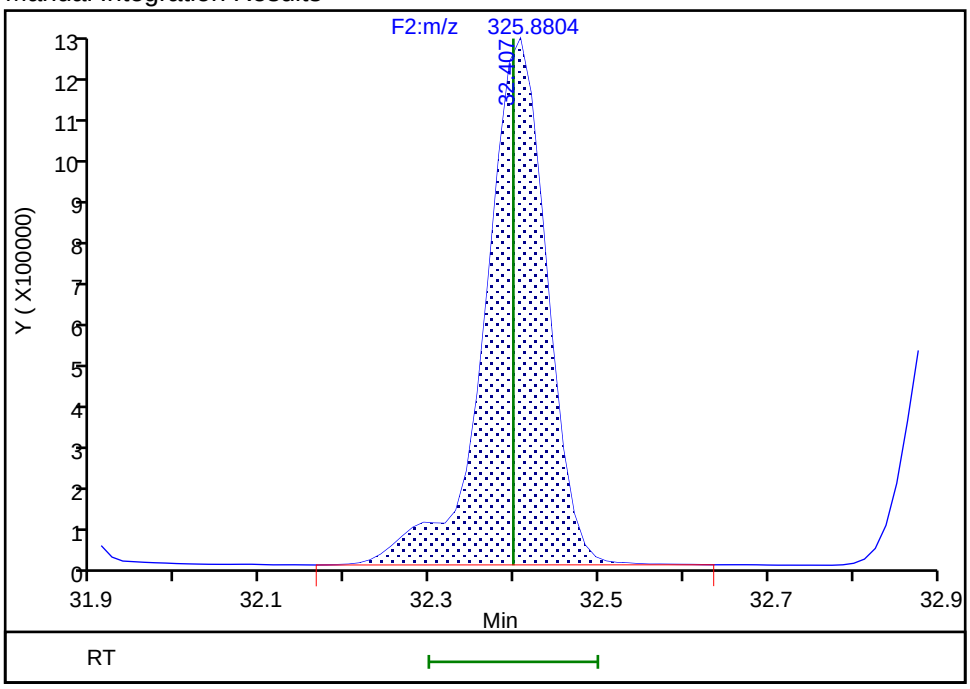
Processing Integration Results

RT: 32.41
Area: 6249639
Amount: 298.1739
Amount Units: pg/ul




Manual Integration Results

RT: 32.41
Area: 6576656
Amount: 307.5069
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:49:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

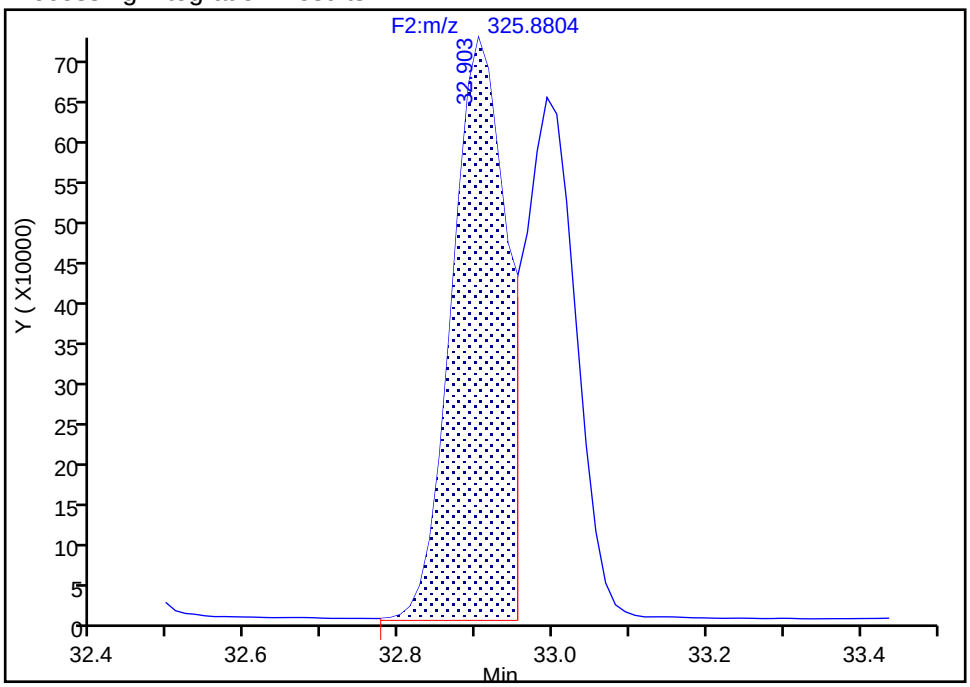
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

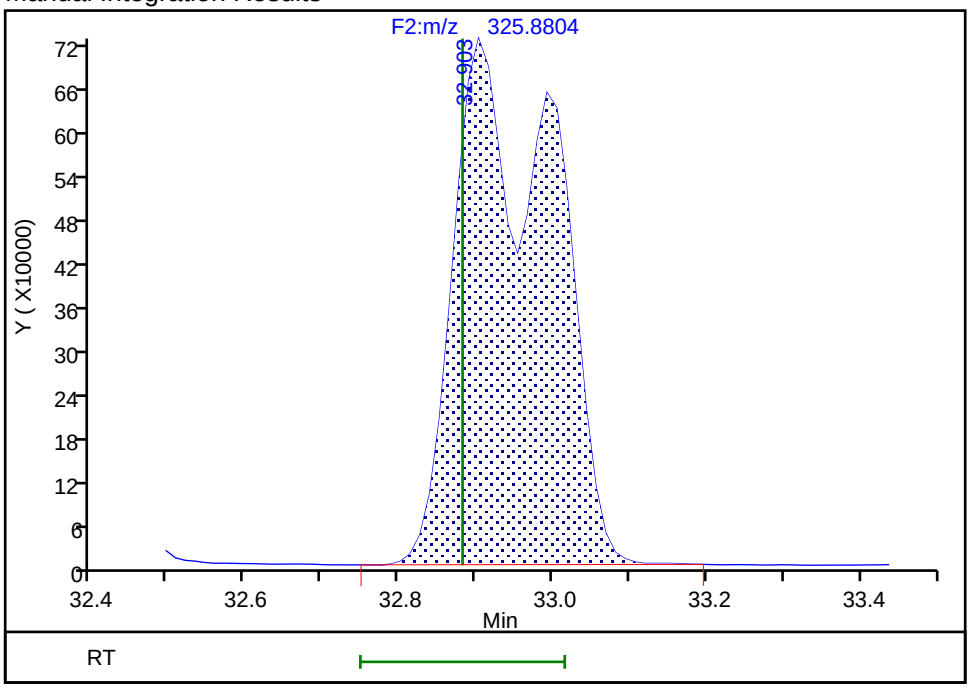
Processing Integration Results

RT: 32.90
Area: 3501300
Amount: 128.2325
Amount Units: pg/ul




Manual Integration Results

RT: 32.90
Area: 6389790
Amount: 233.4851
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:49:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

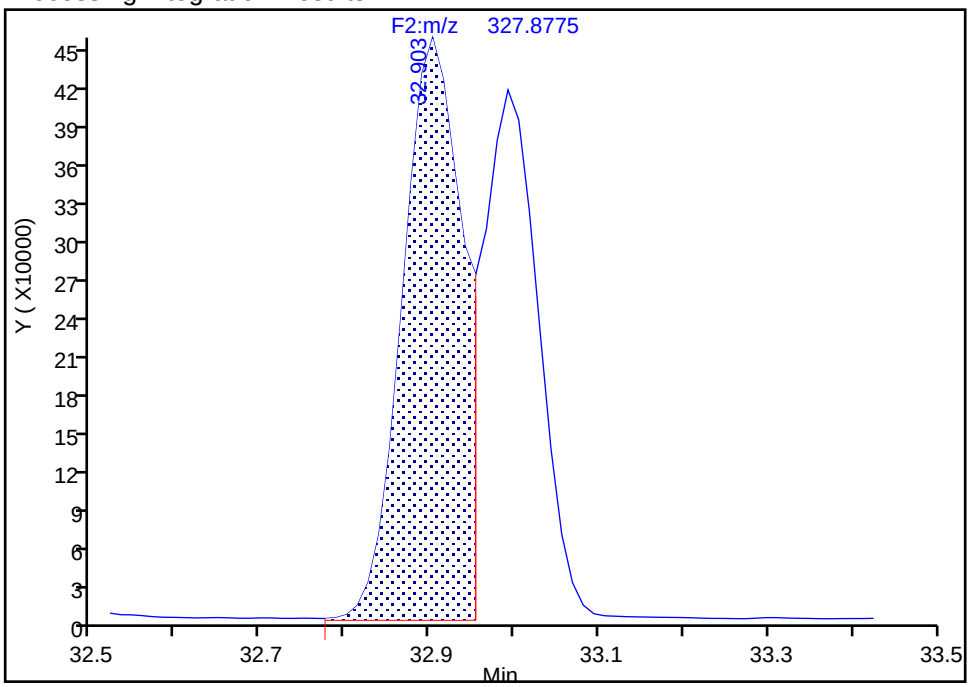
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

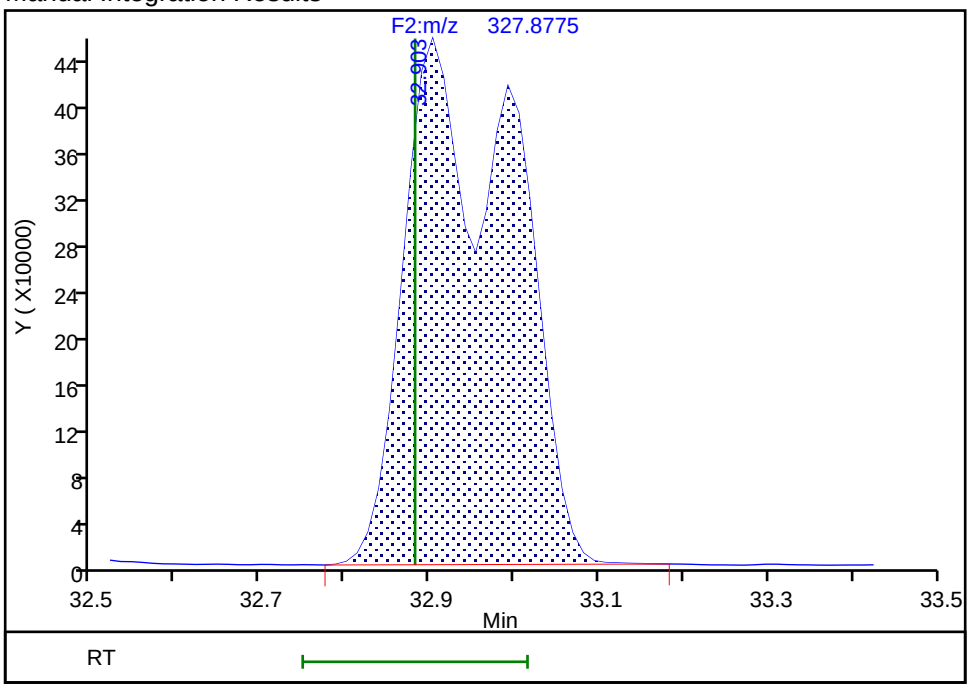
Processing Integration Results

RT: 32.90
Area: 2218561
Amount: 128.2325
Amount Units: pg/ul




Manual Integration Results

RT: 32.90
Area: 4024905
Amount: 233.4851
Amount Units: pg/ul



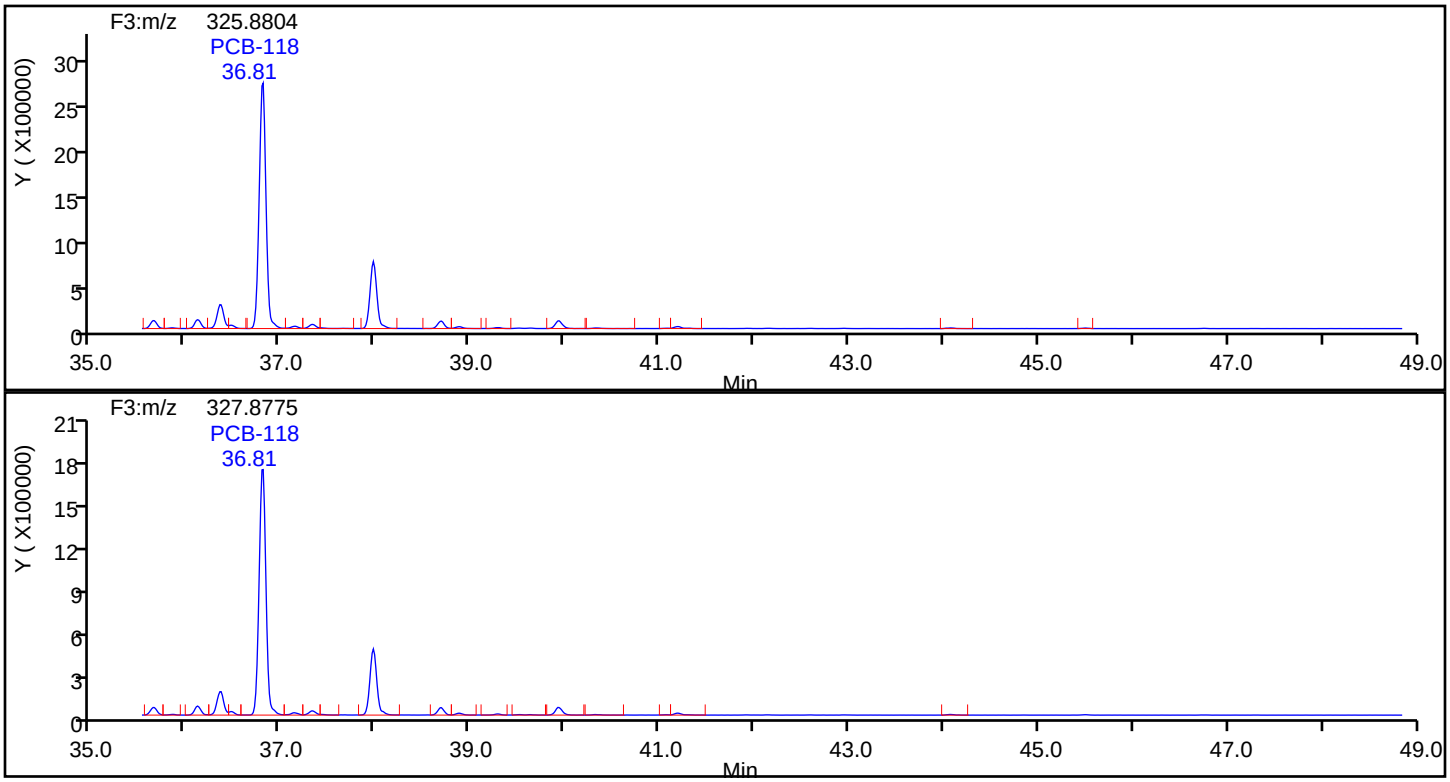

Reviewer: davidsonm, 10-Oct-2019 08:49:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

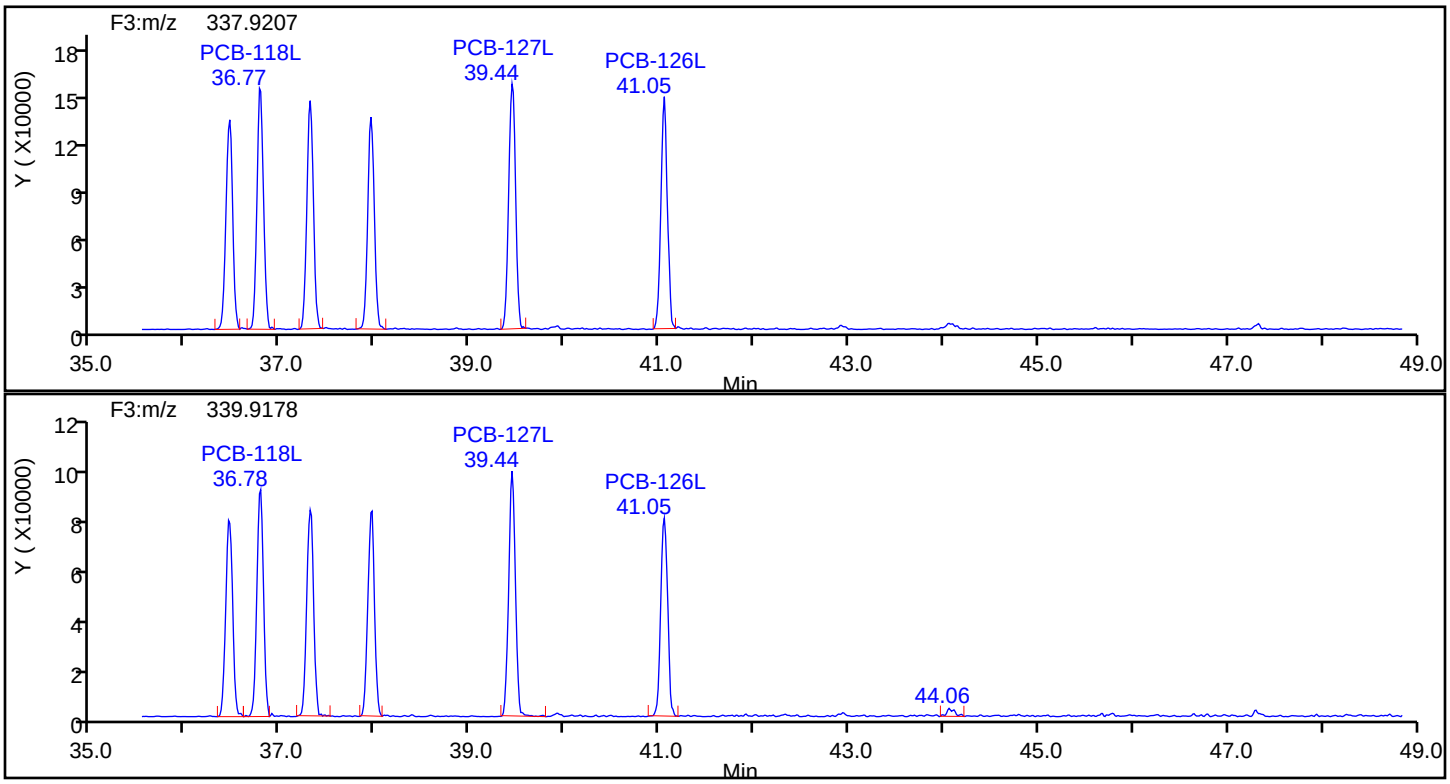
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



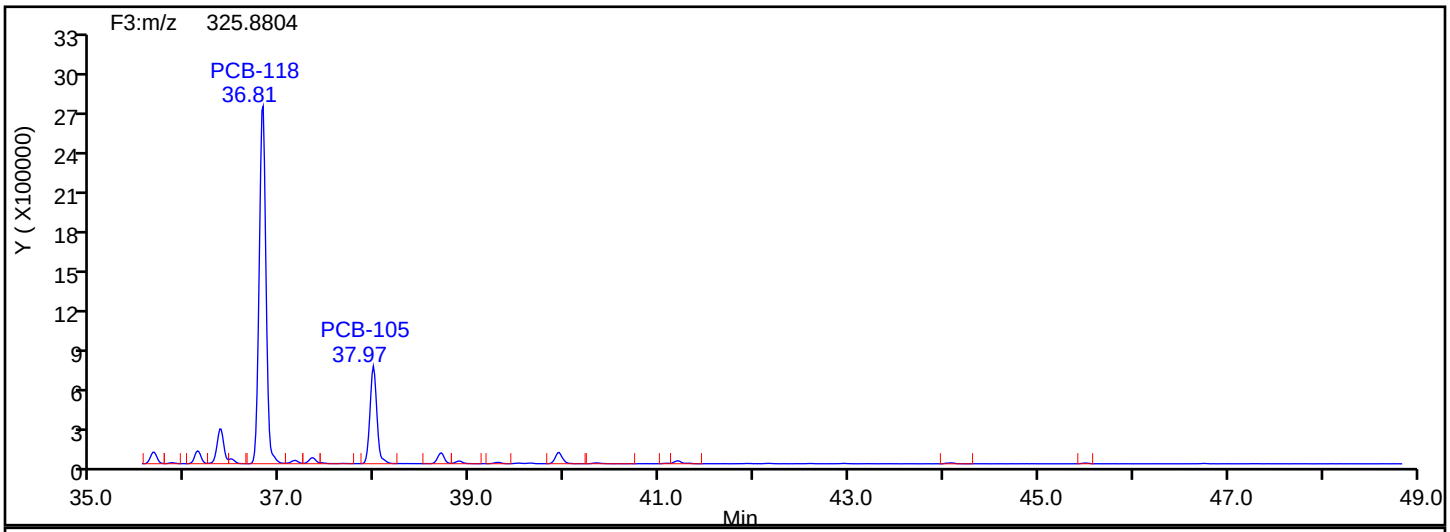

PePCB F3 Standards

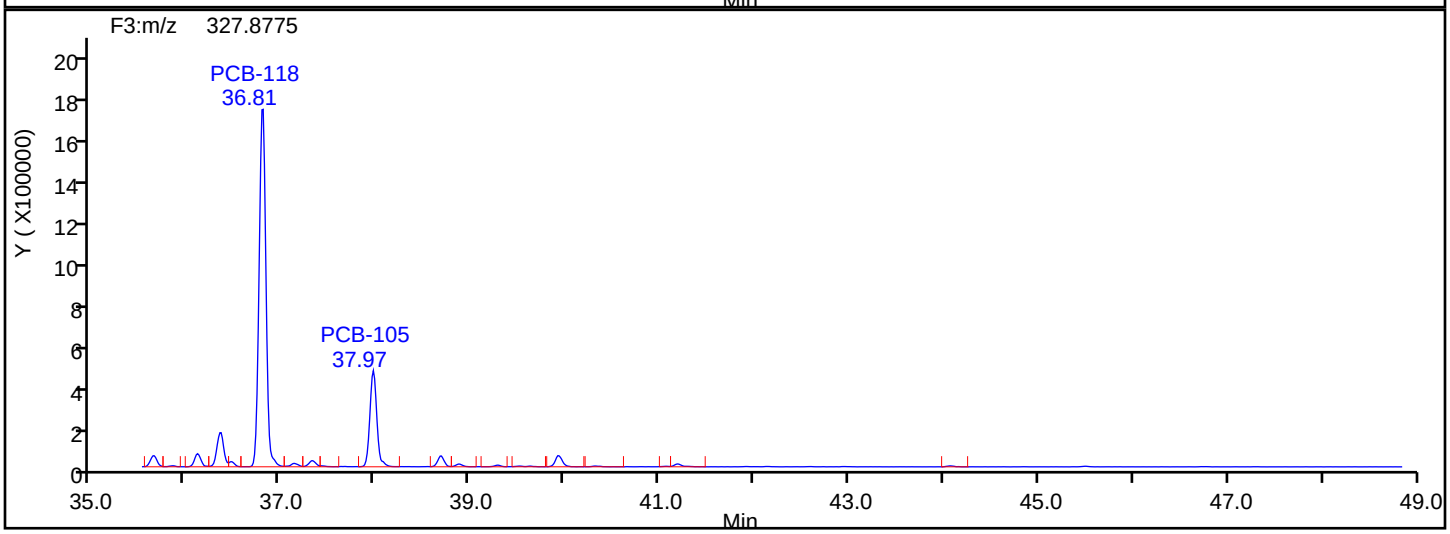


Eurofins TestAmerica, Knoxville

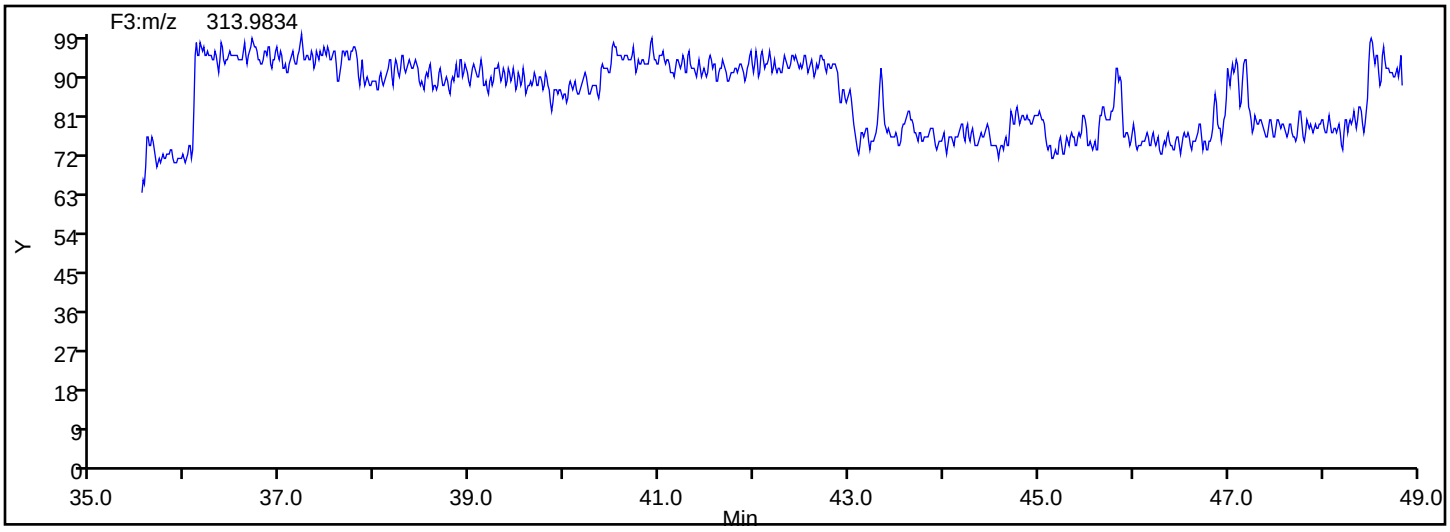
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

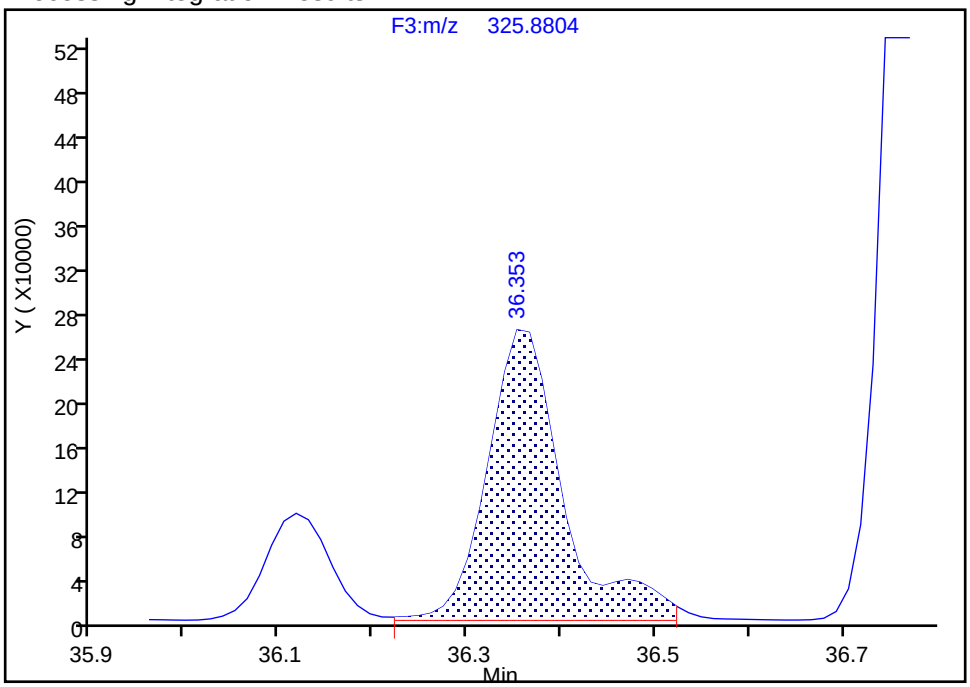
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

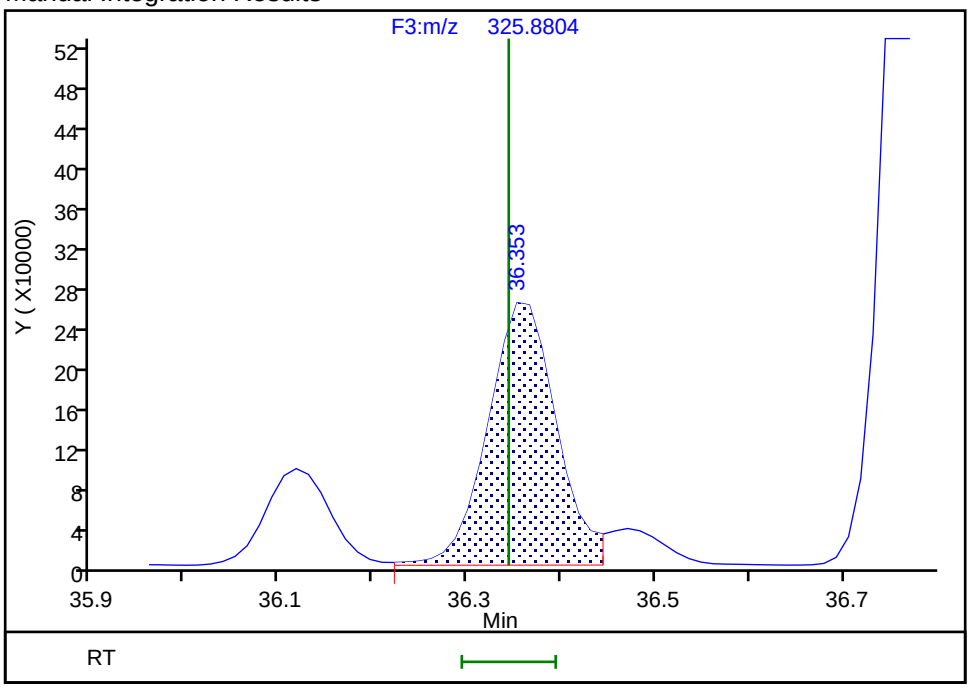
Processing Integration Results

RT: 36.35
Area: 1465812
Amount: 31.376614
Amount Units: pg/ul




Manual Integration Results

RT: 36.35
Area: 1323577
Amount: 29.436247
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:50:23

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

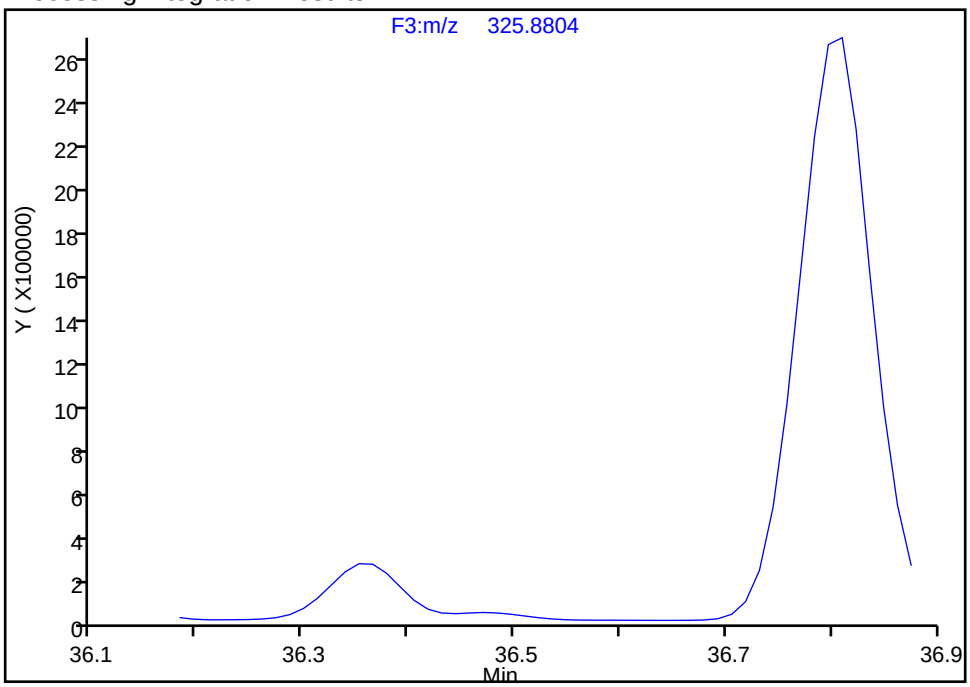
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

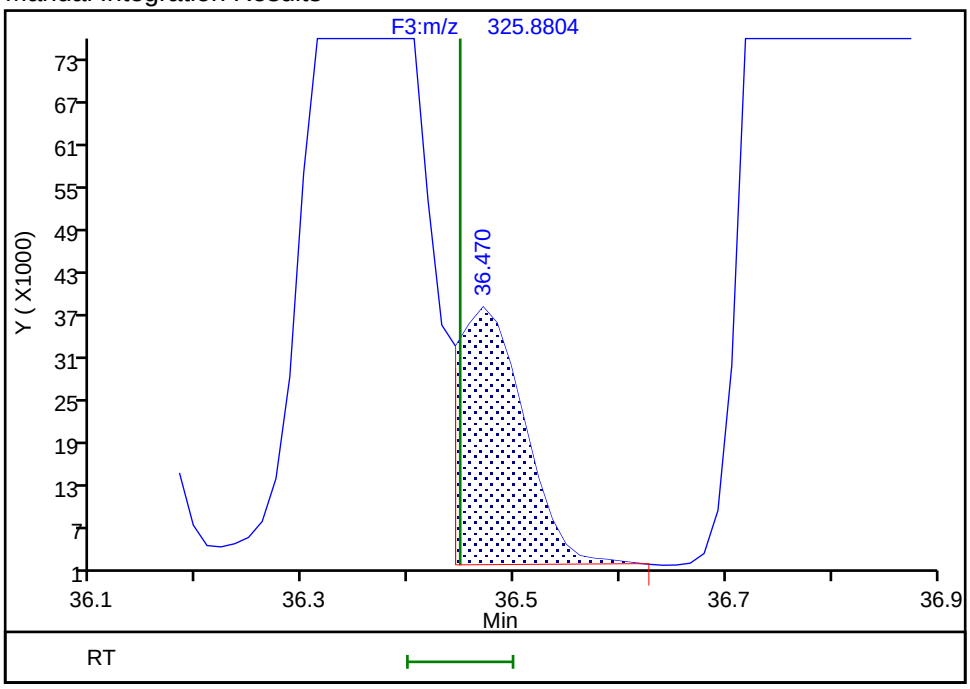
Not Detected
Expected RT: 36.45

Processing Integration Results




Manual Integration Results

RT: 36.47
Area: 151442
Amount: 3.564437
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:50:29
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

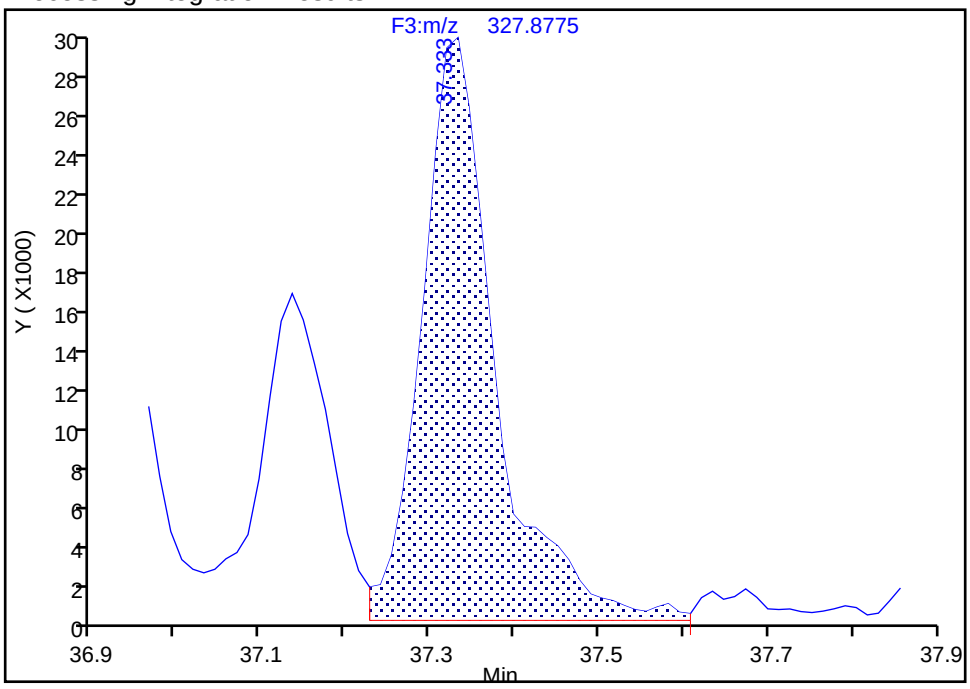
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

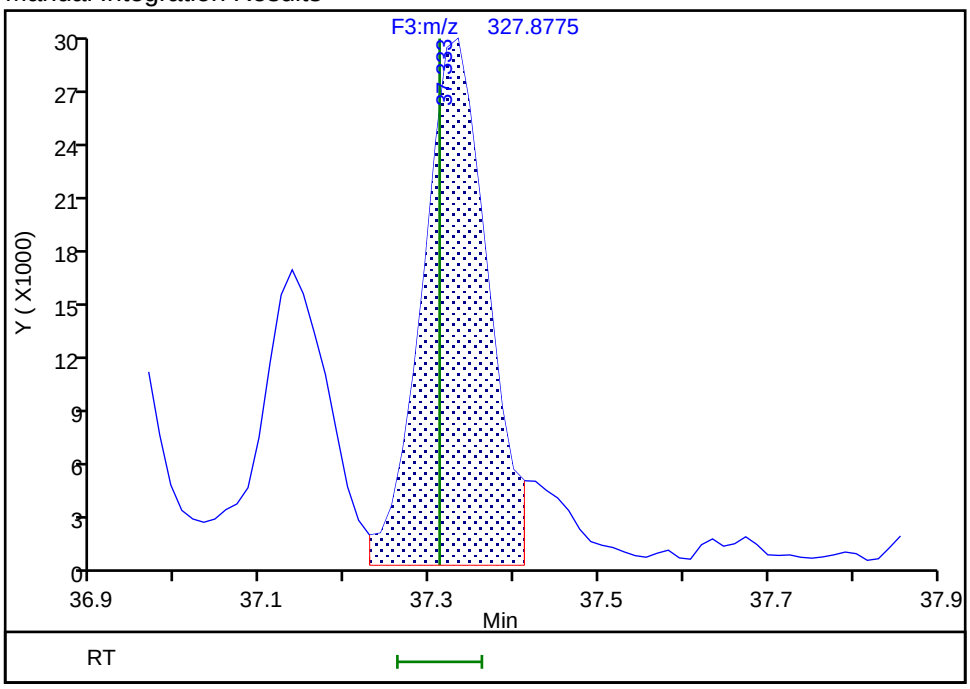
Processing Integration Results

RT: 37.33
Area: 175357
Amount: 6.021455
Amount Units: pg/ul




Manual Integration Results

RT: 37.33
Area: 154200
Amount: 5.122776
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:50:37

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

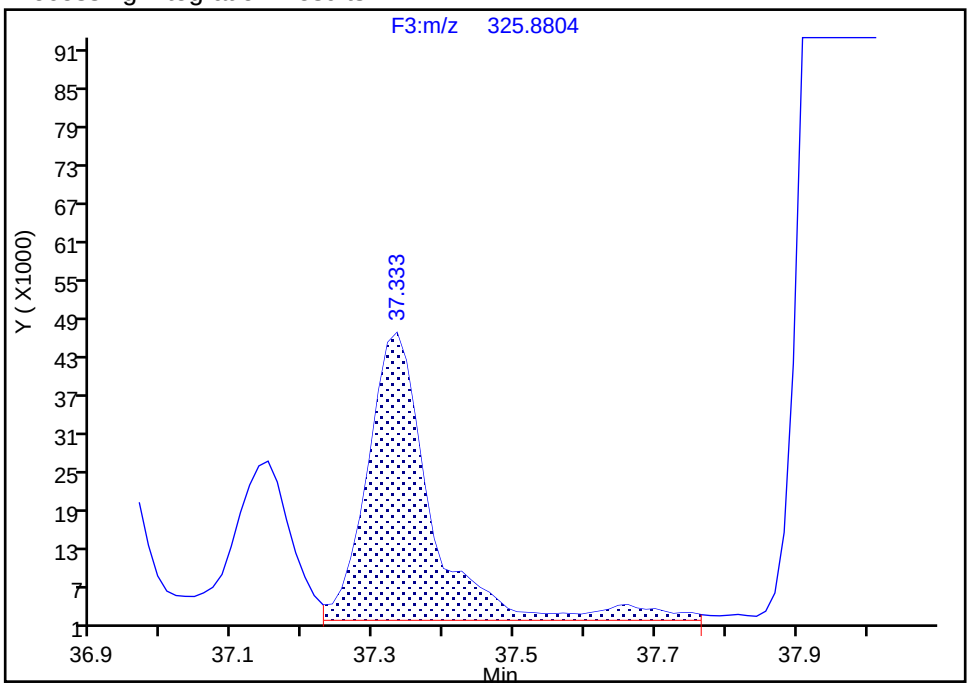
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

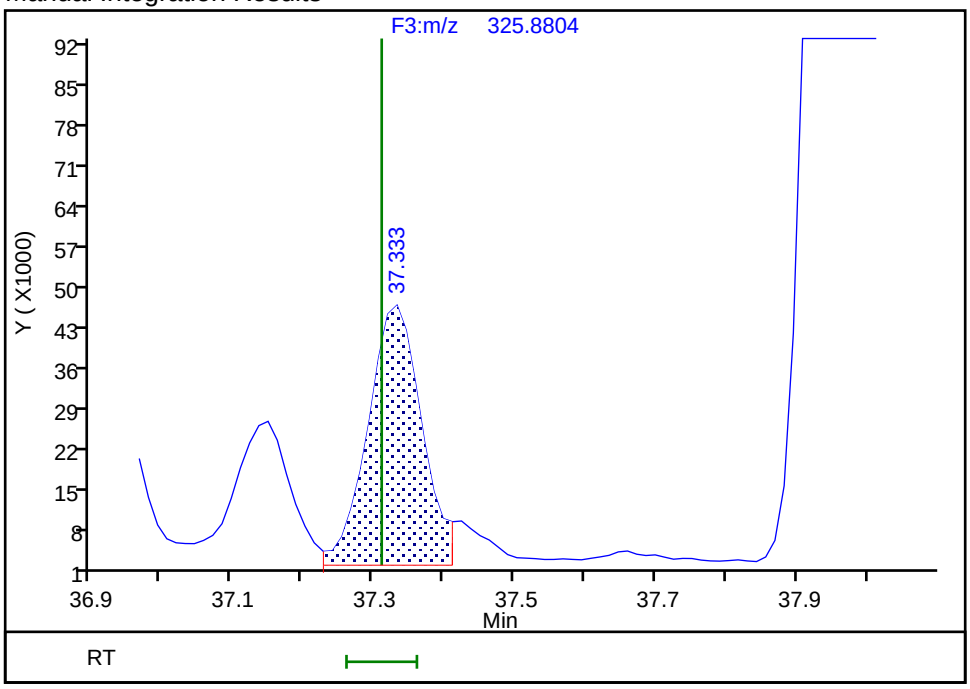
Processing Integration Results

RT: 37.33
Area: 286725
Amount: 6.021455
Amount Units: pg/ul




Manual Integration Results

RT: 37.33
Area: 238918
Amount: 5.122776
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:50:40

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

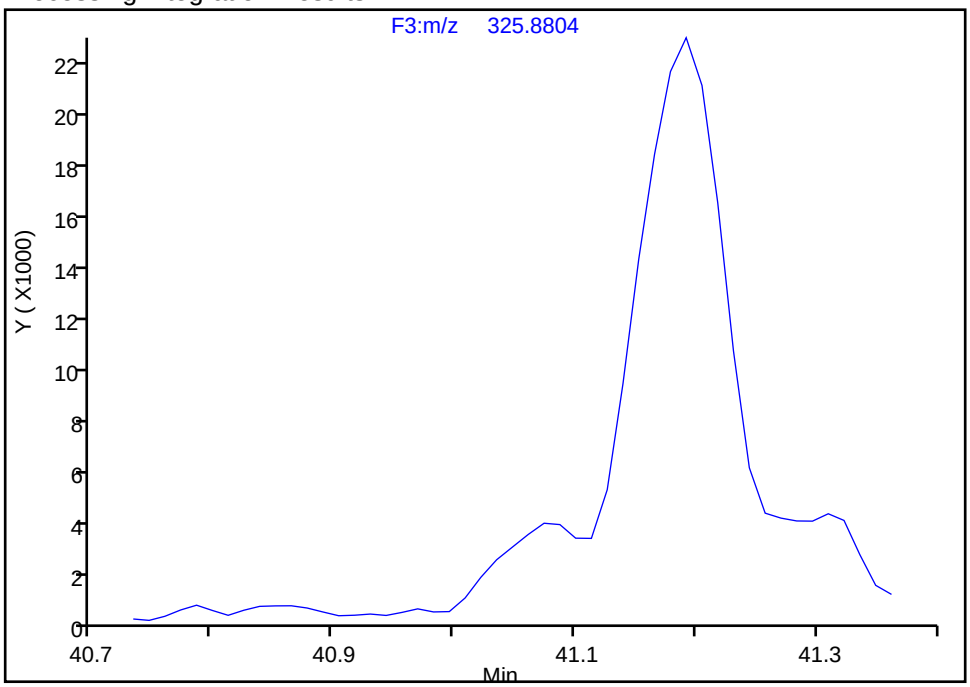
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

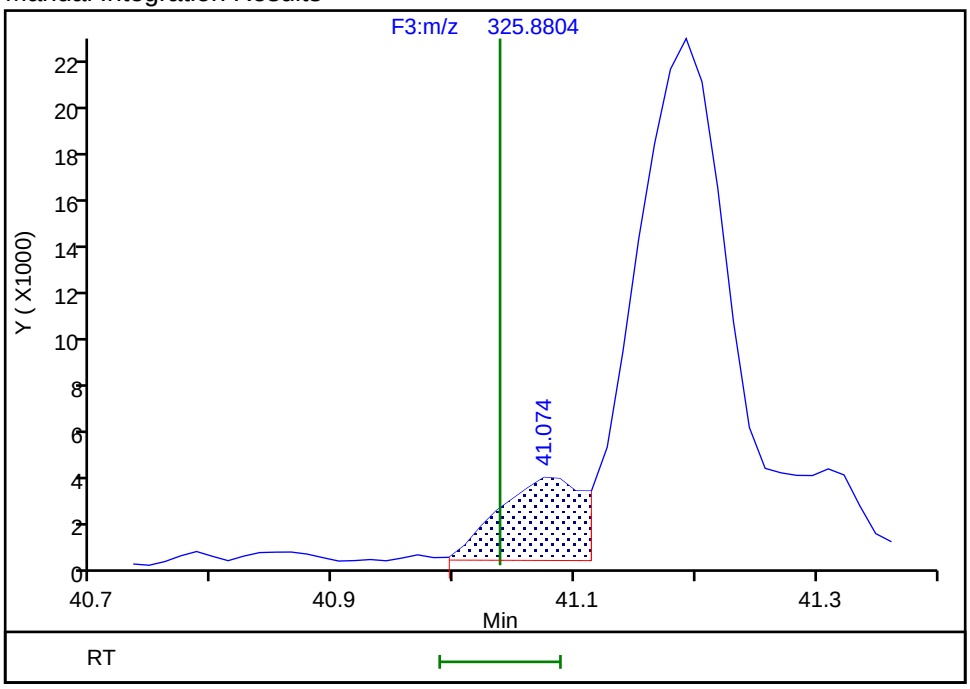
Not Detected
Expected RT: 41.04

Processing Integration Results




Manual Integration Results

RT: 41.07
Area: 16474
Amount: 0.394933
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:50:57
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

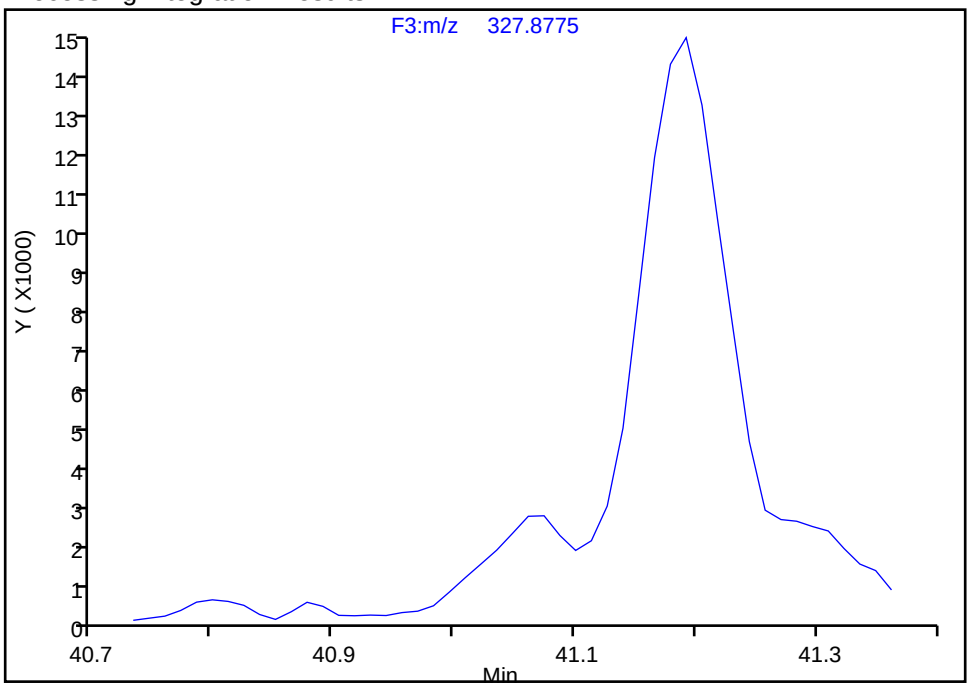
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

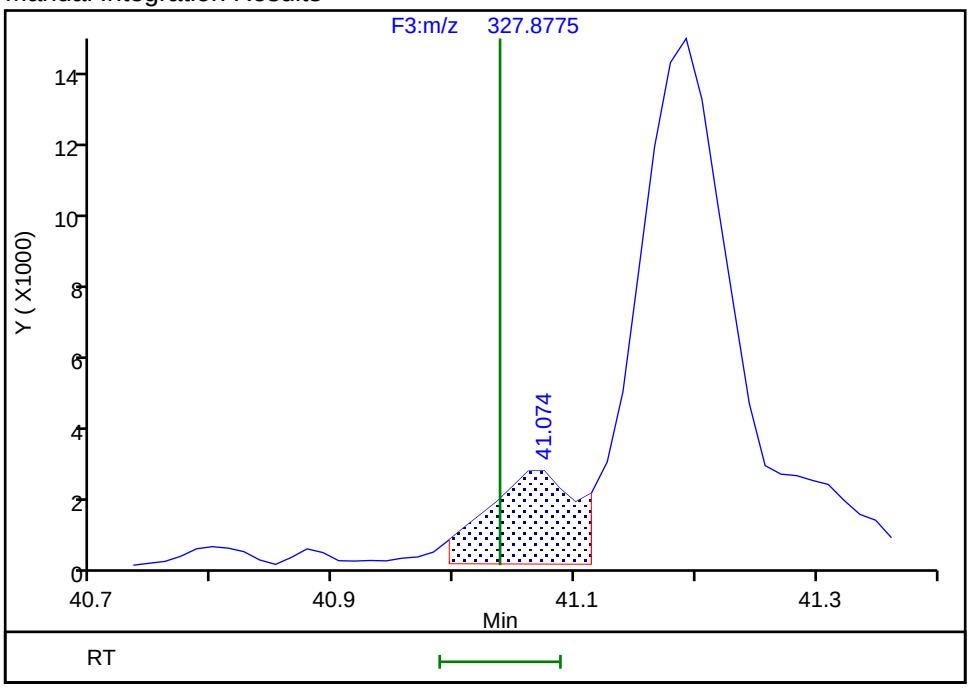
Not Detected
Expected RT: 41.04

Processing Integration Results




Manual Integration Results

RT: 41.07
Area: 12052
Amount: 0.394933
Amount Units: pg/ul



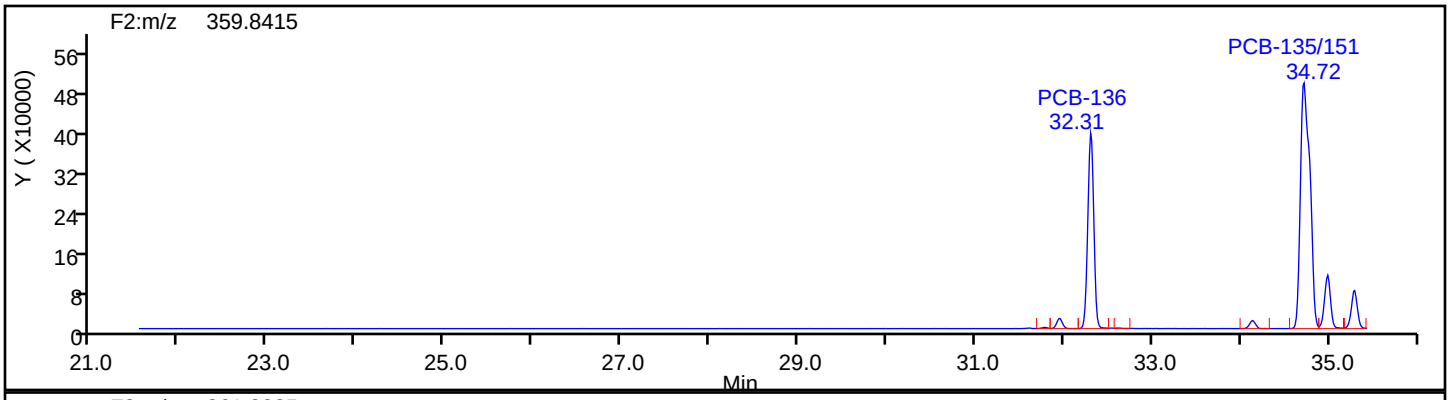

Reviewer: davidsonm, 10-Oct-2019 08:51:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

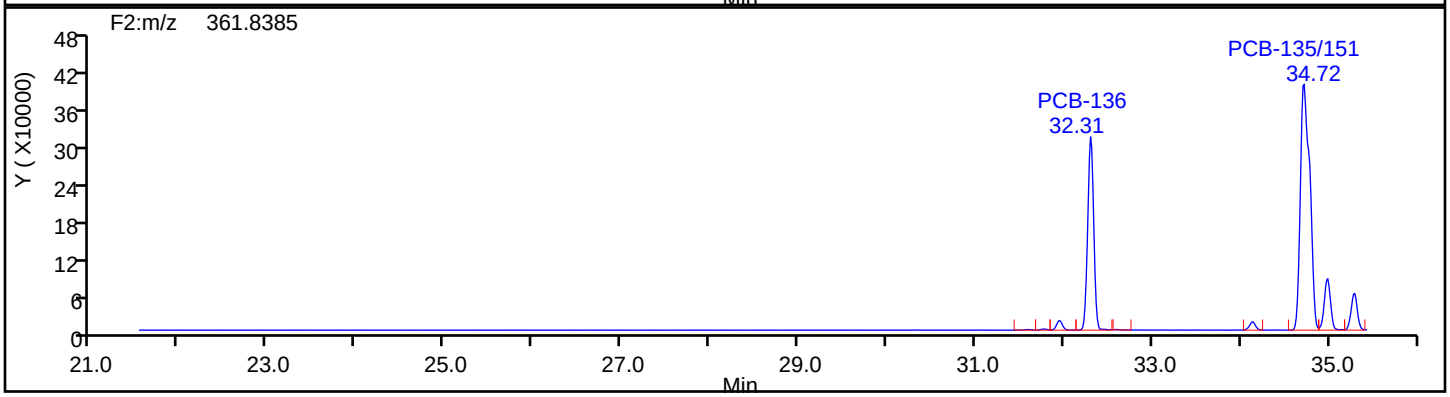
Report Date: 10-Oct-2019 23:23:14 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

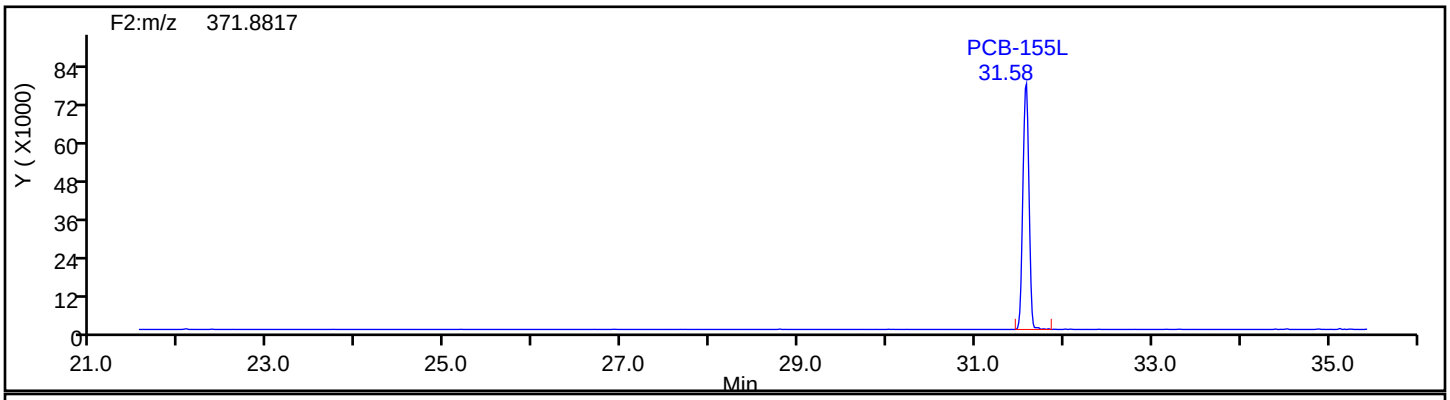
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

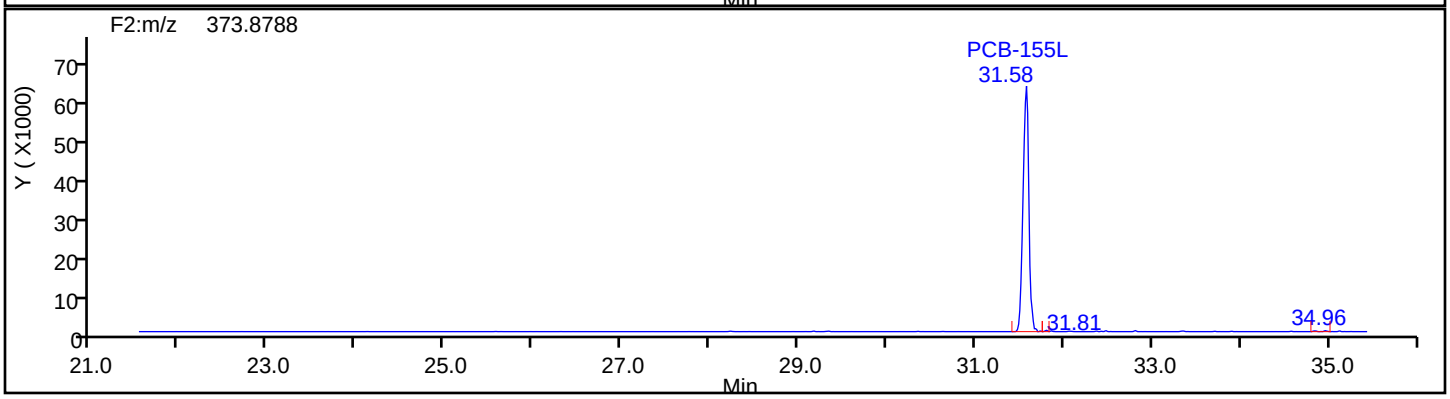
HxPCB F2




HxPCB F2 Standards

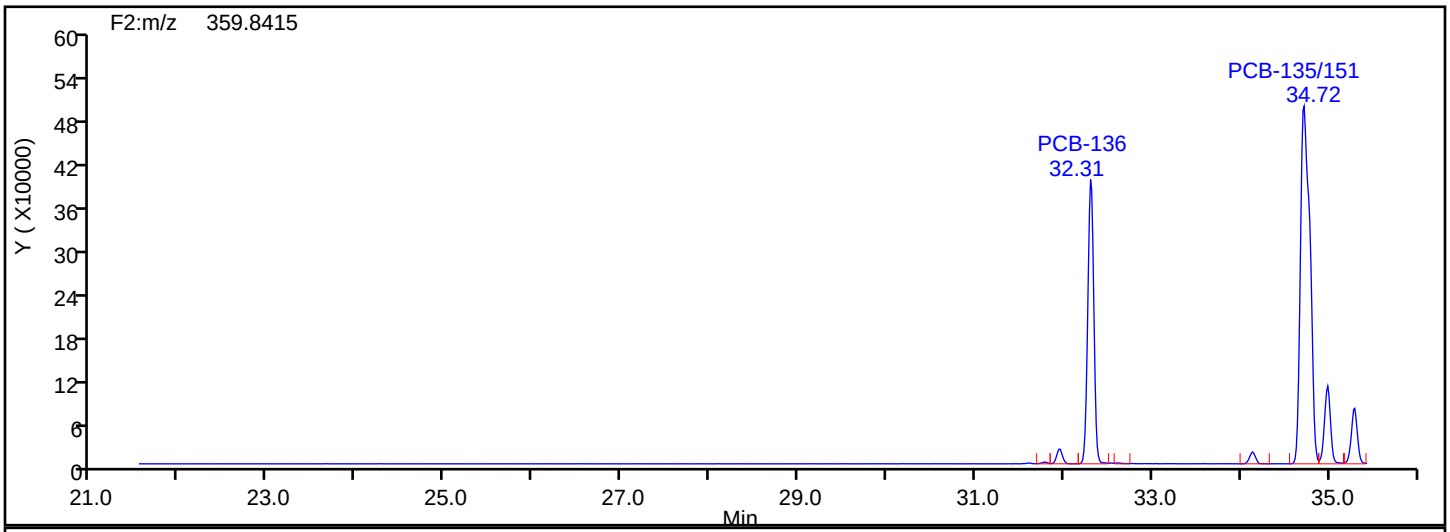


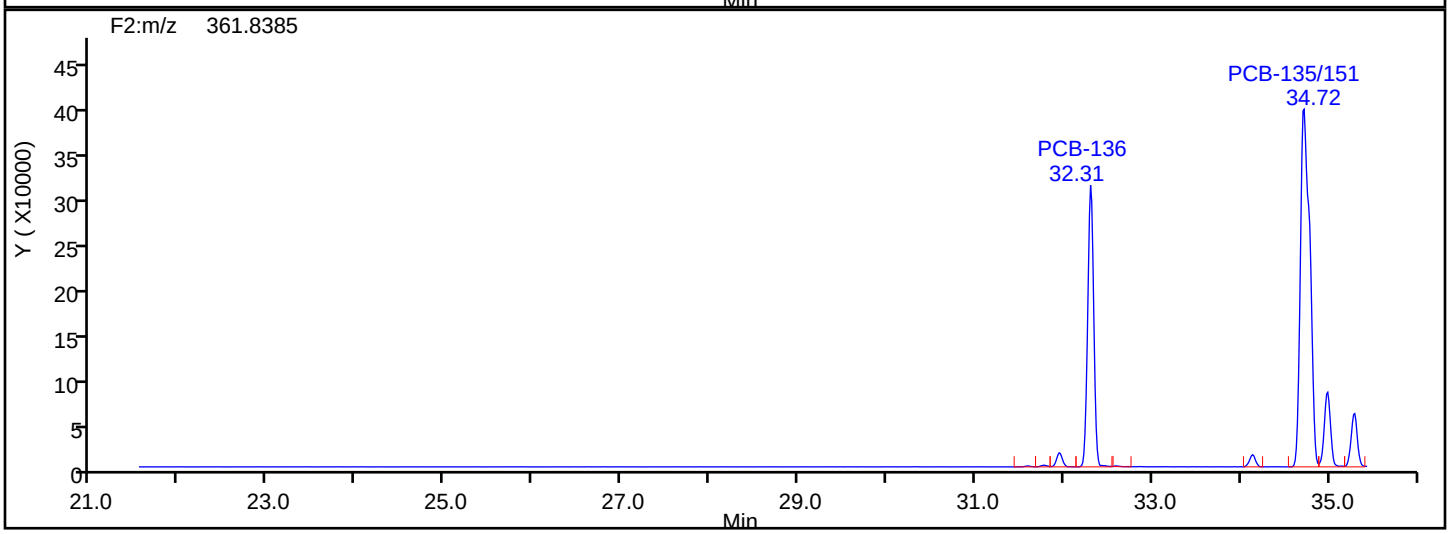



Eurofins TestAmerica, Knoxville

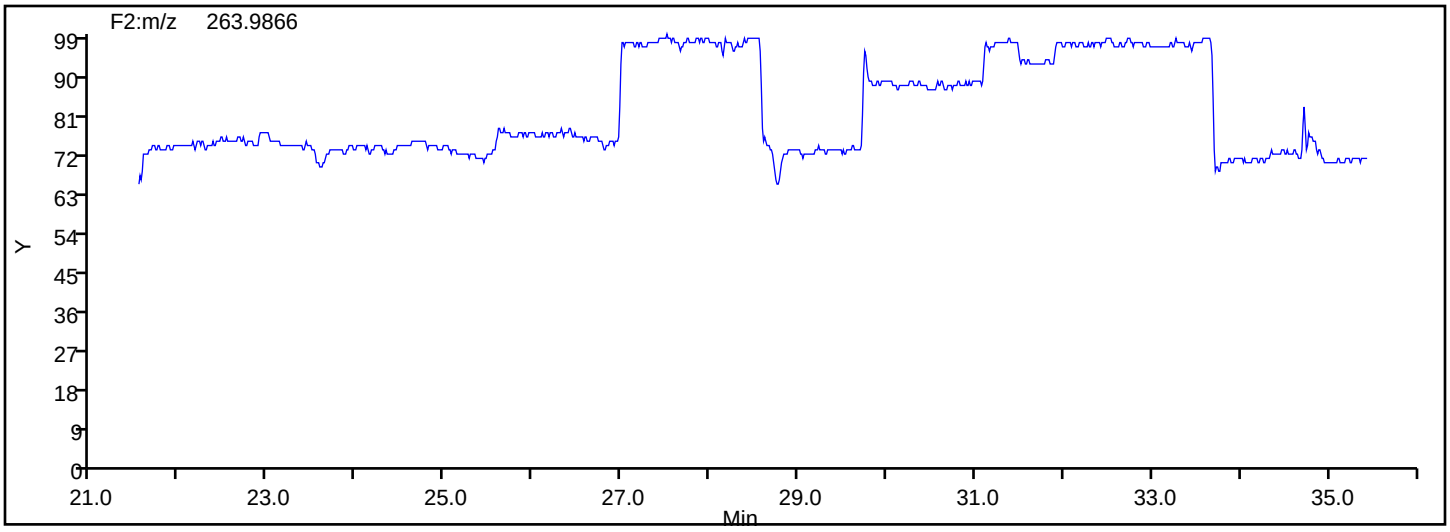
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass

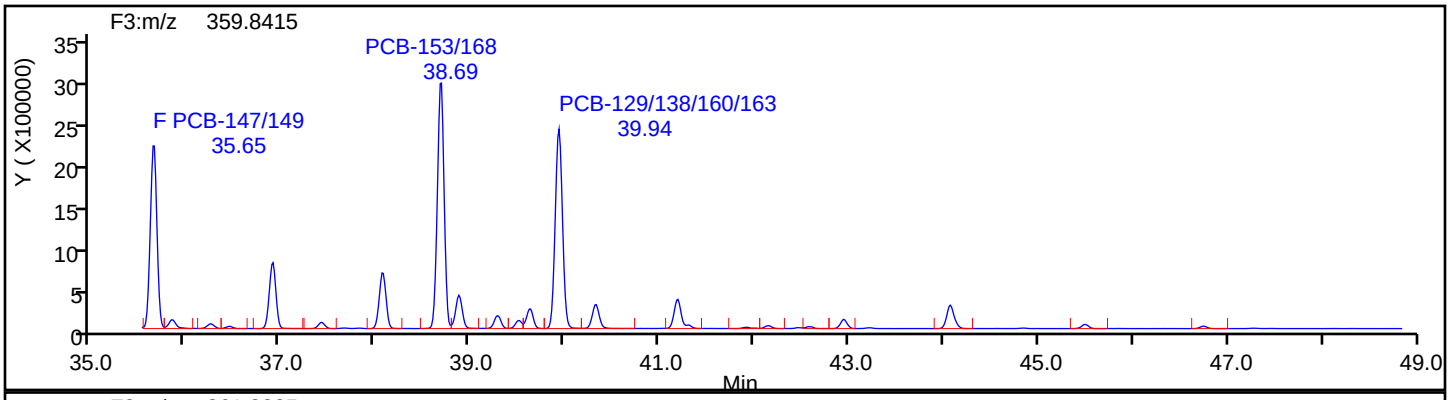


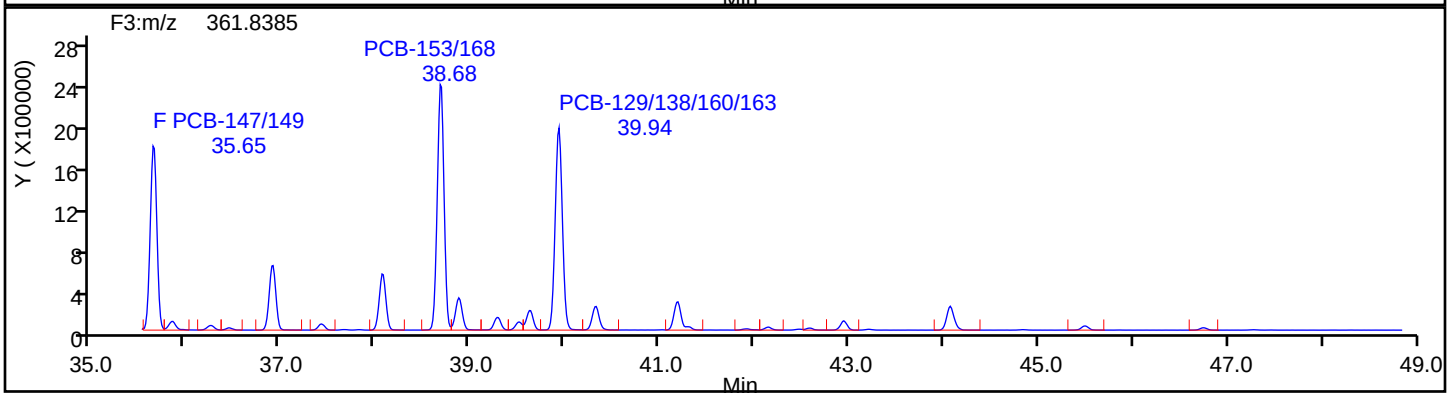
Report Date: 10-Oct-2019 23:23:15 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

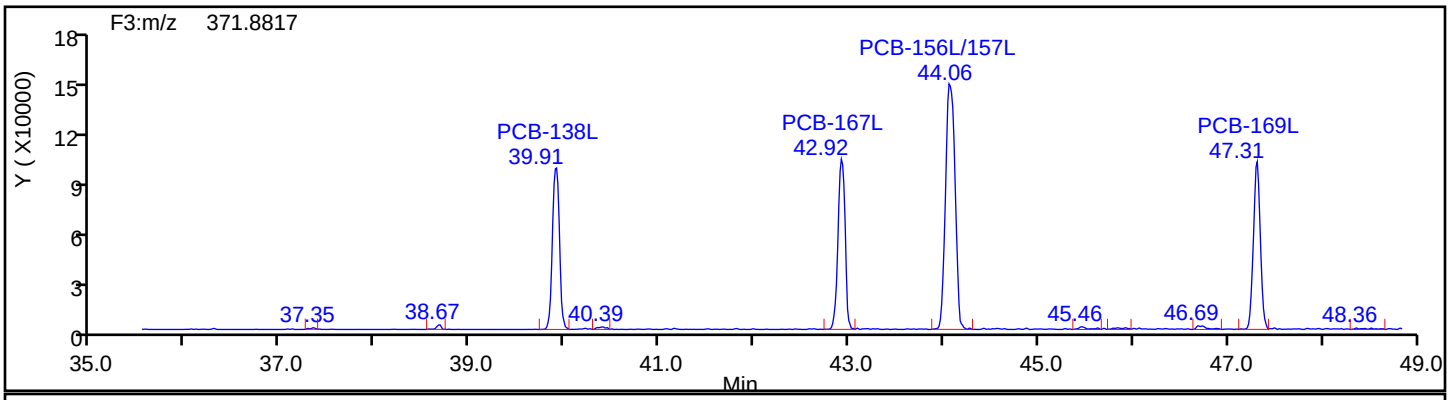
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

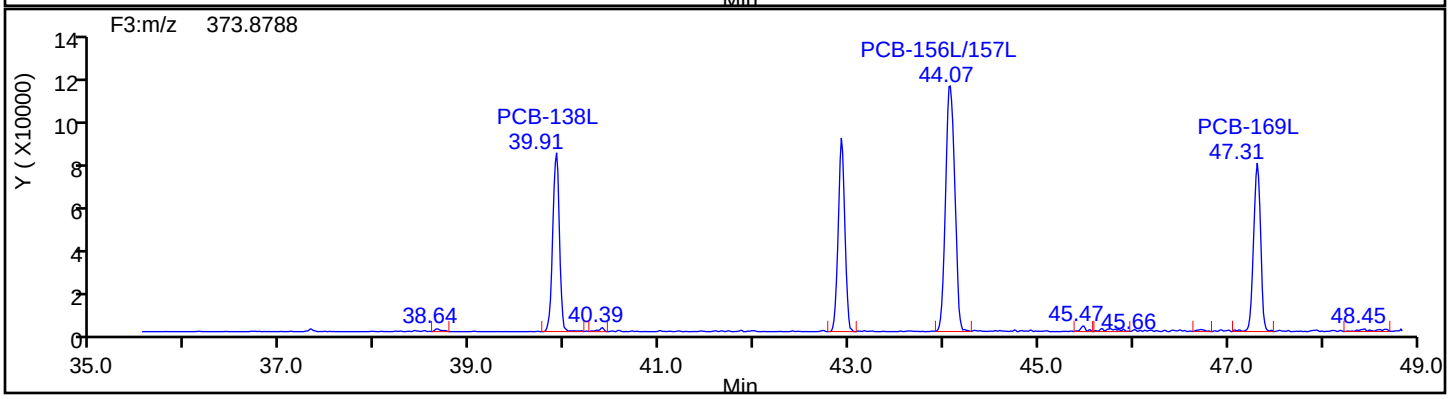
HxPCB F3




HxPCB F3 Standards

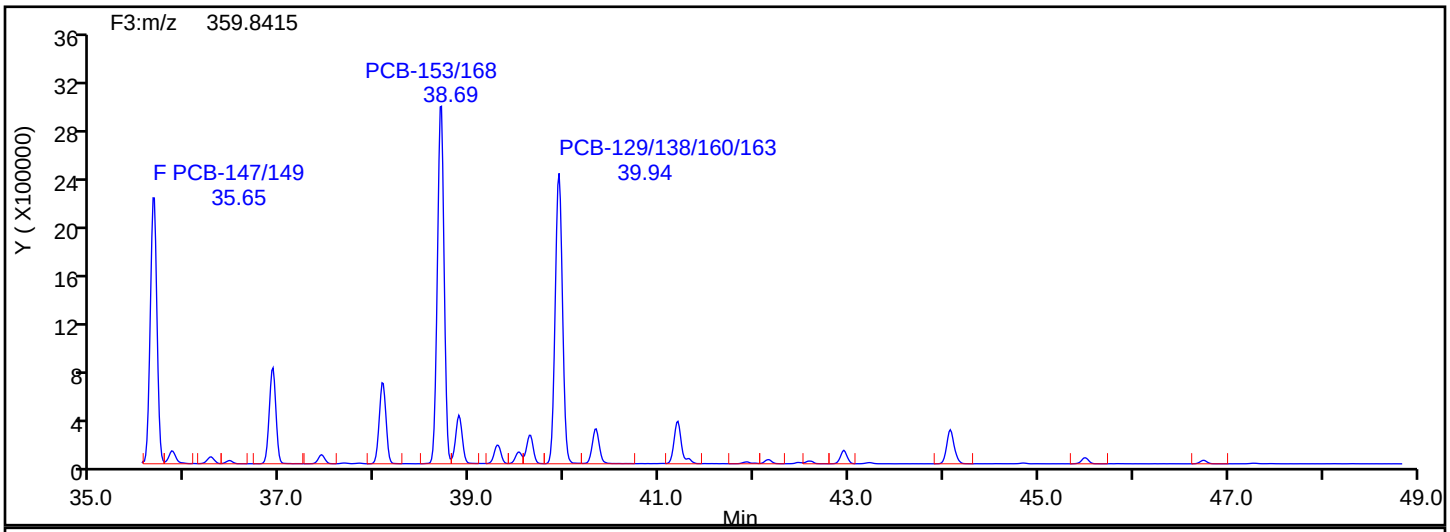


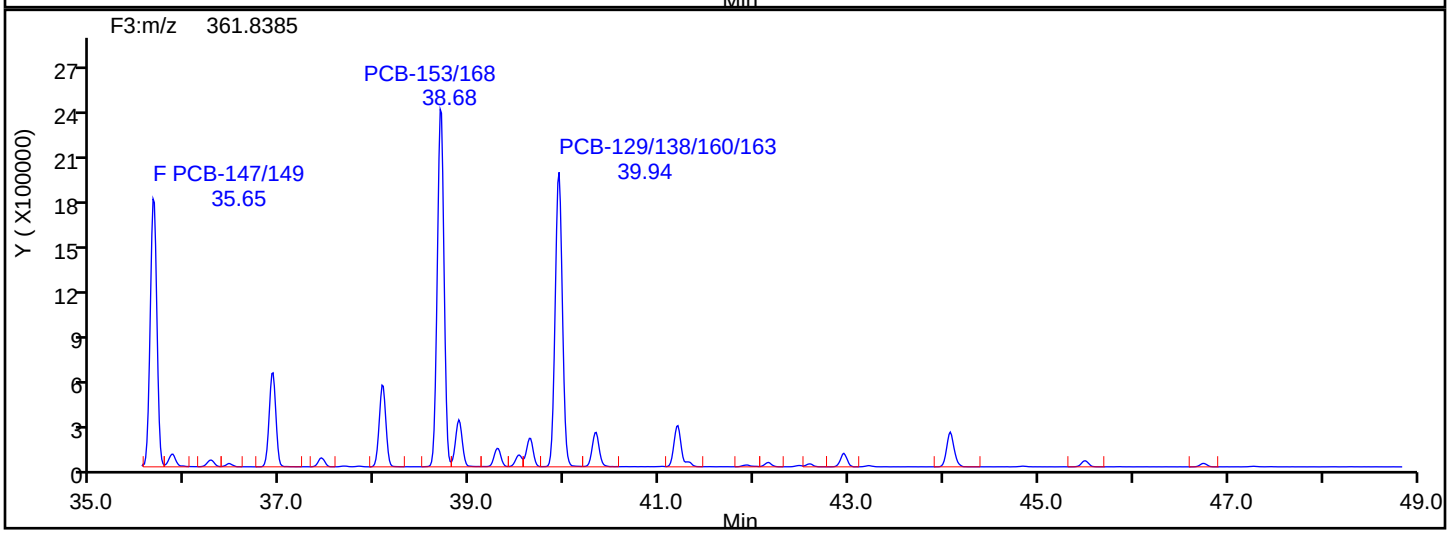



Eurofins TestAmerica, Knoxville

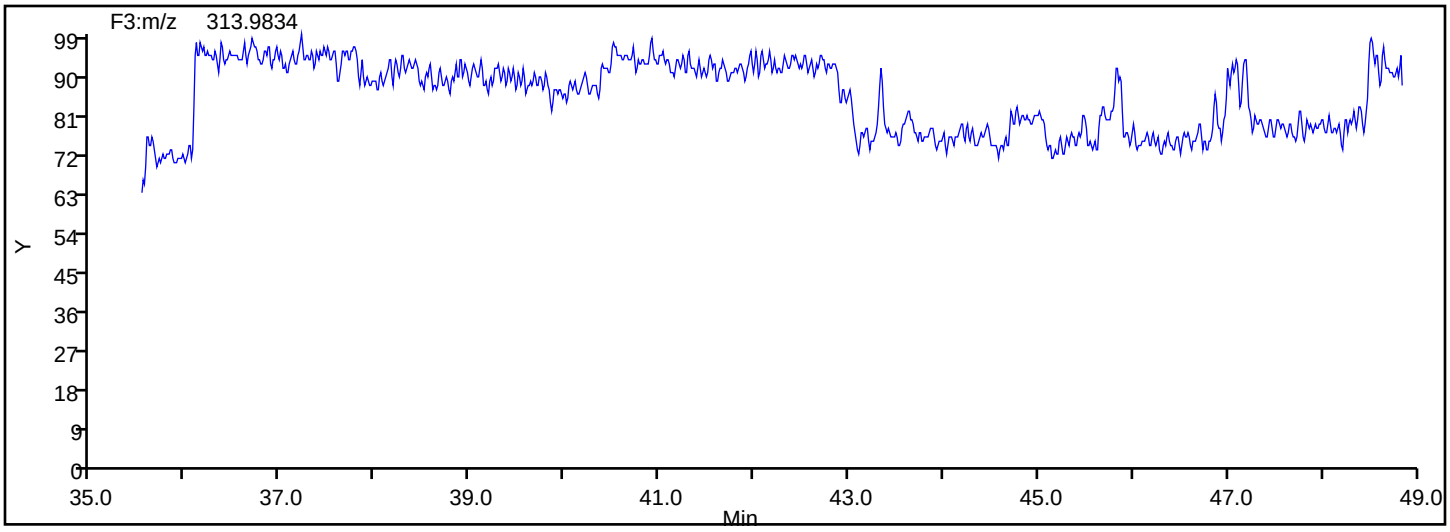
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

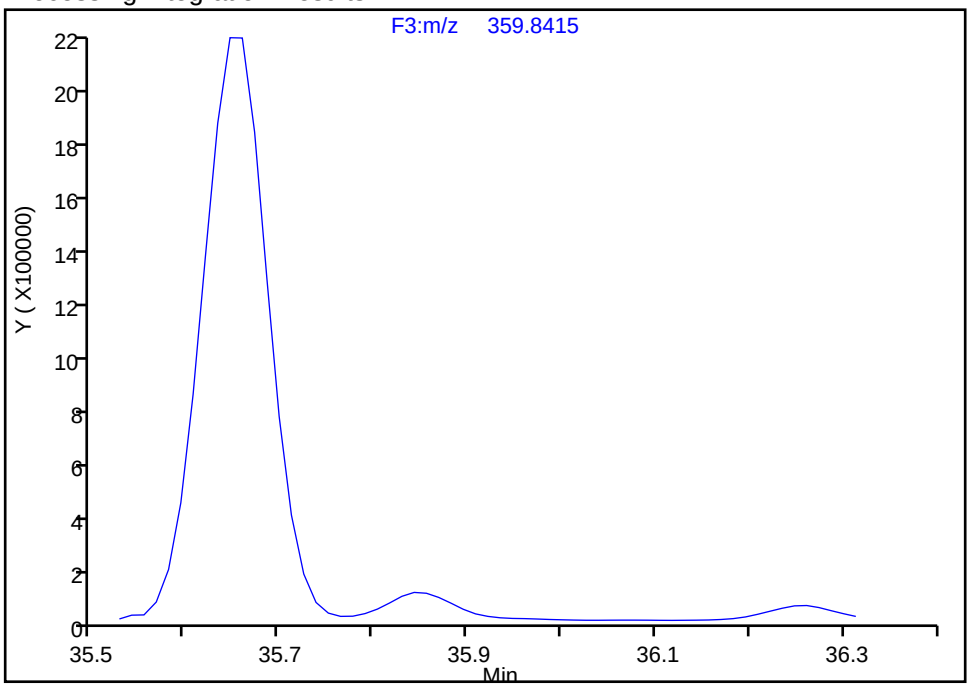
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

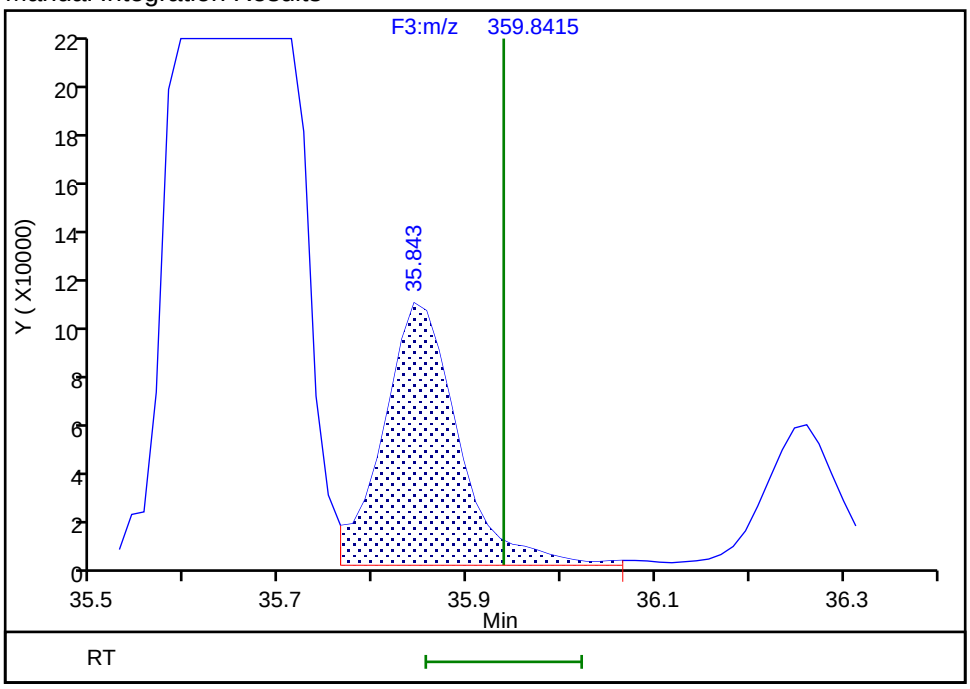
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.84
Area: 585086
Amount: 27.172572
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:51:14
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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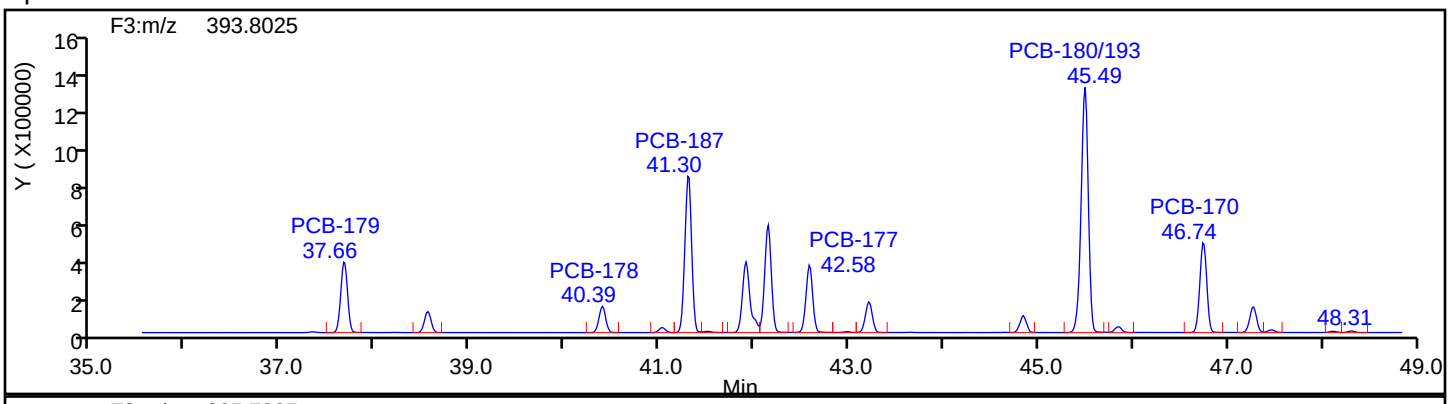
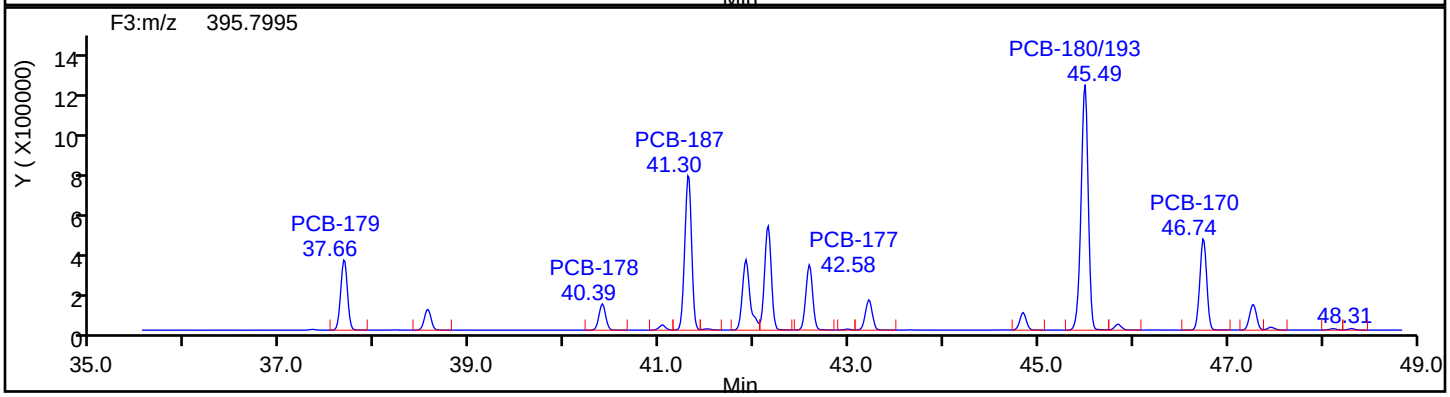
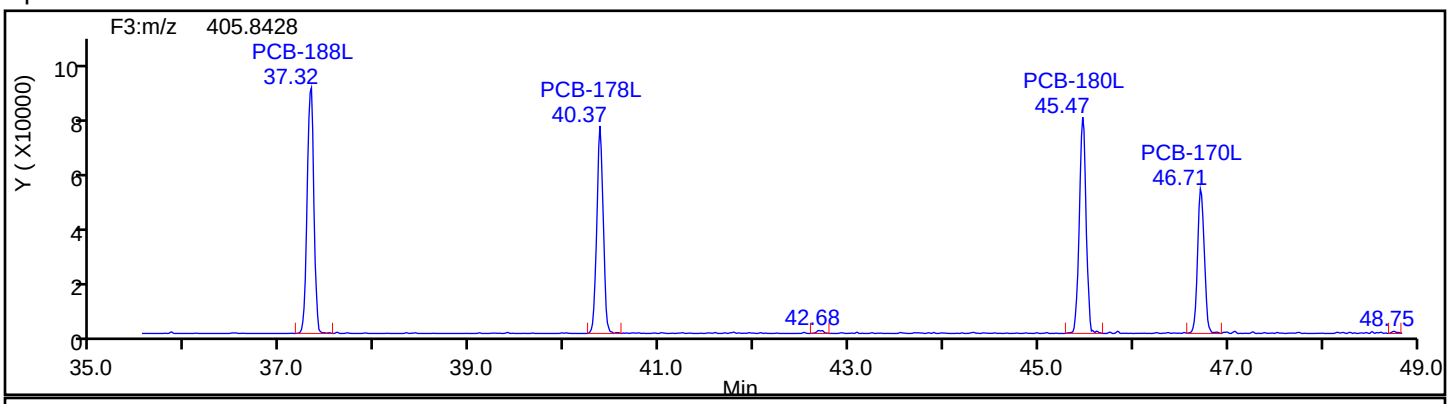
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

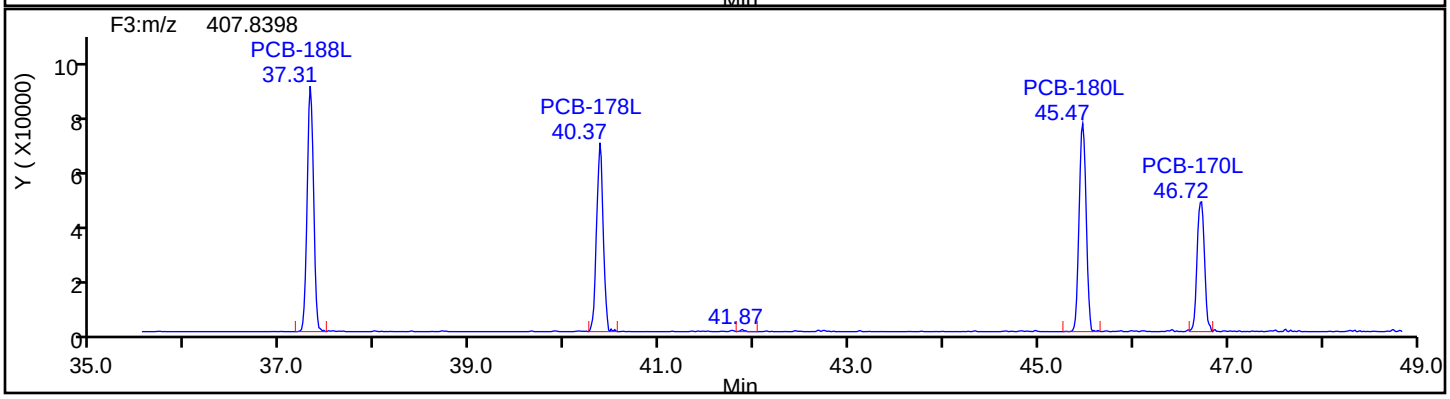
HpPCB F3




HpPCB F3 Standards

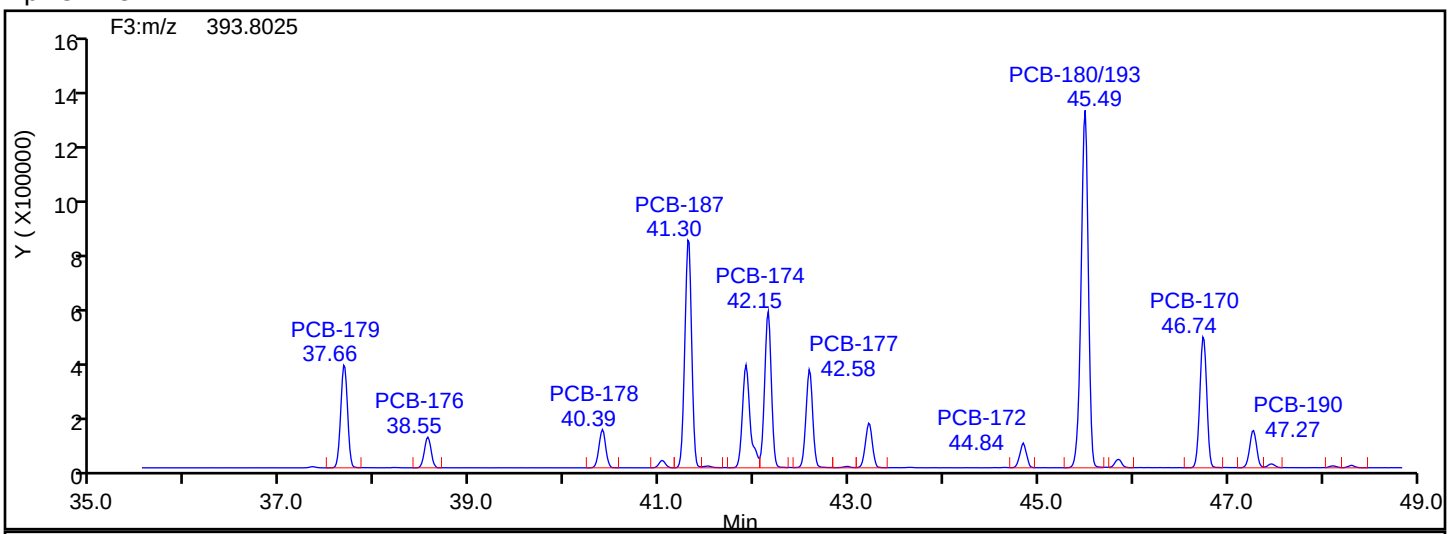


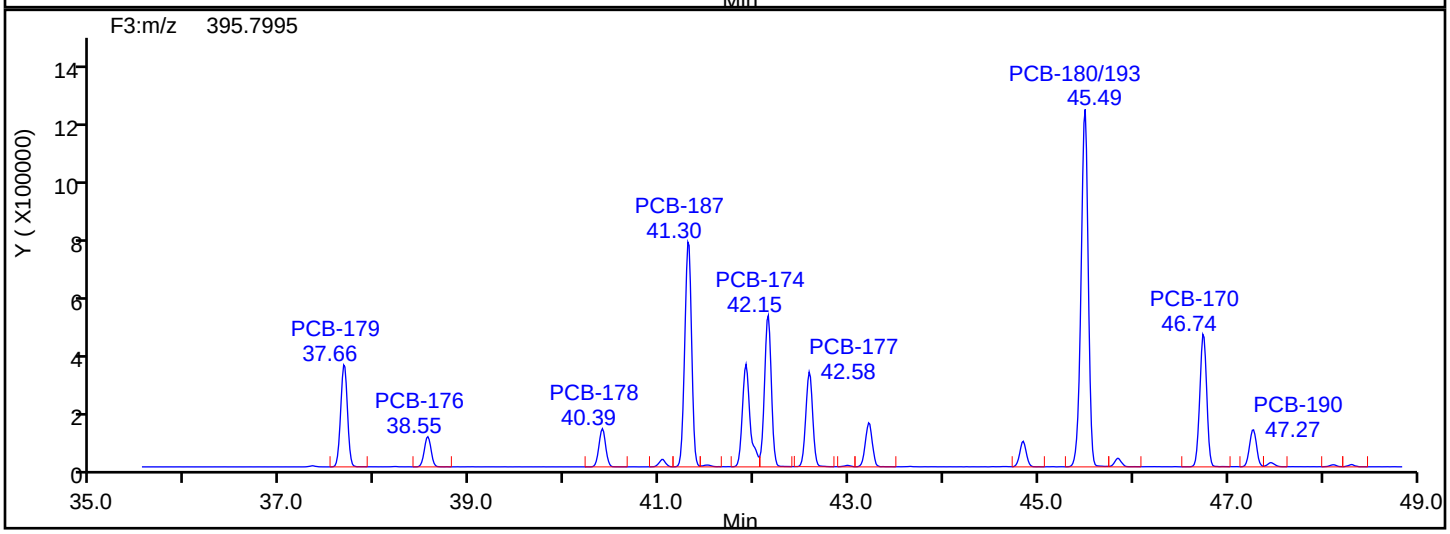



Eurofins TestAmerica, Knoxville

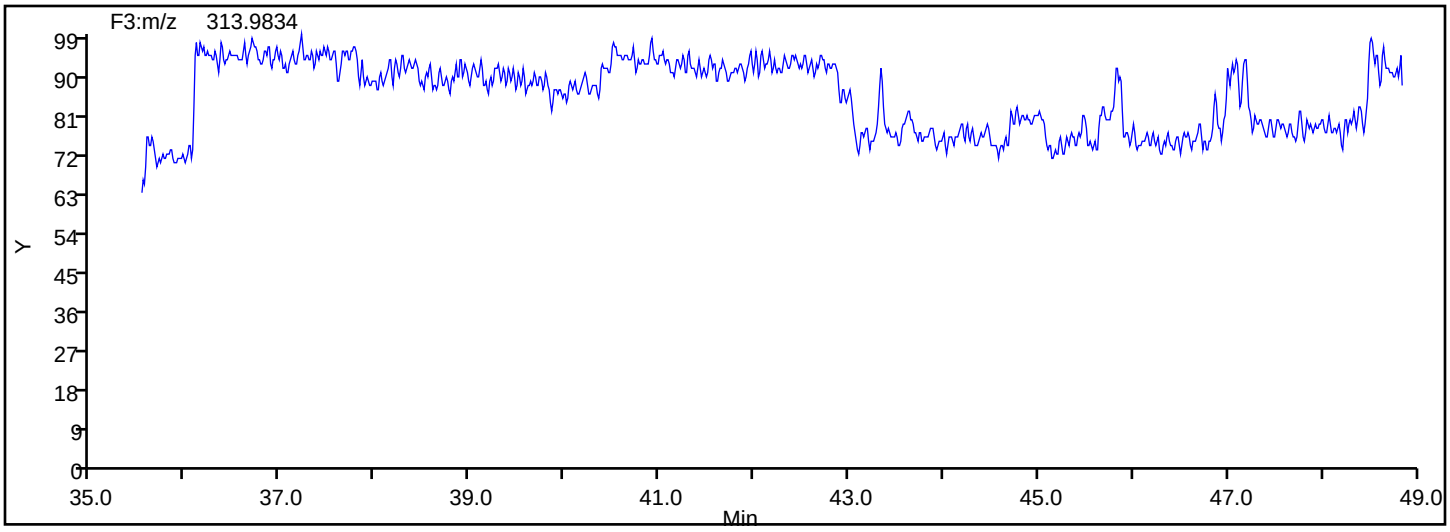
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

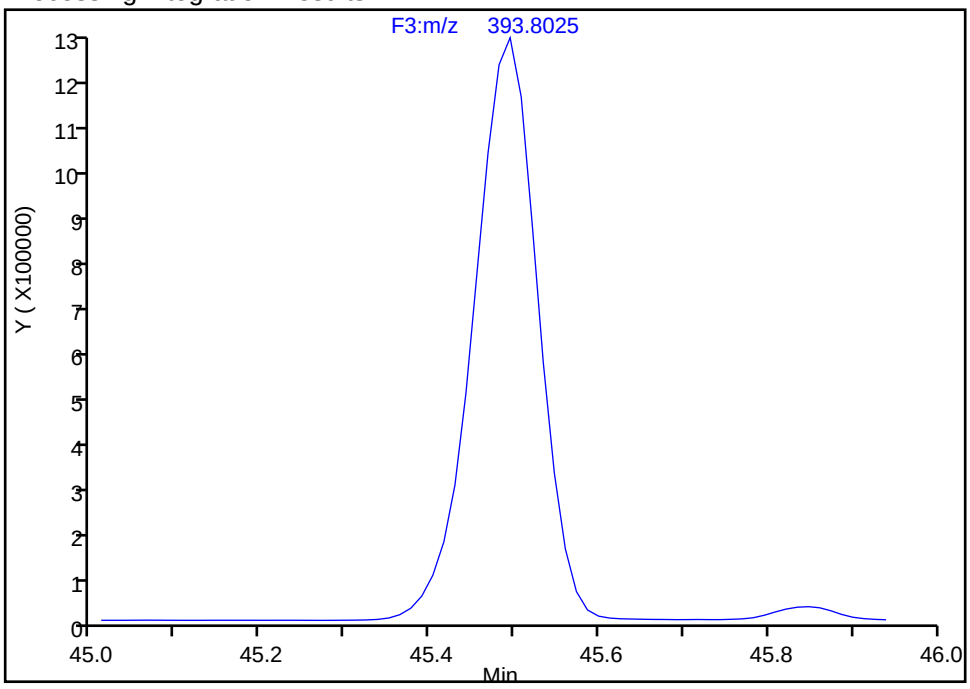
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

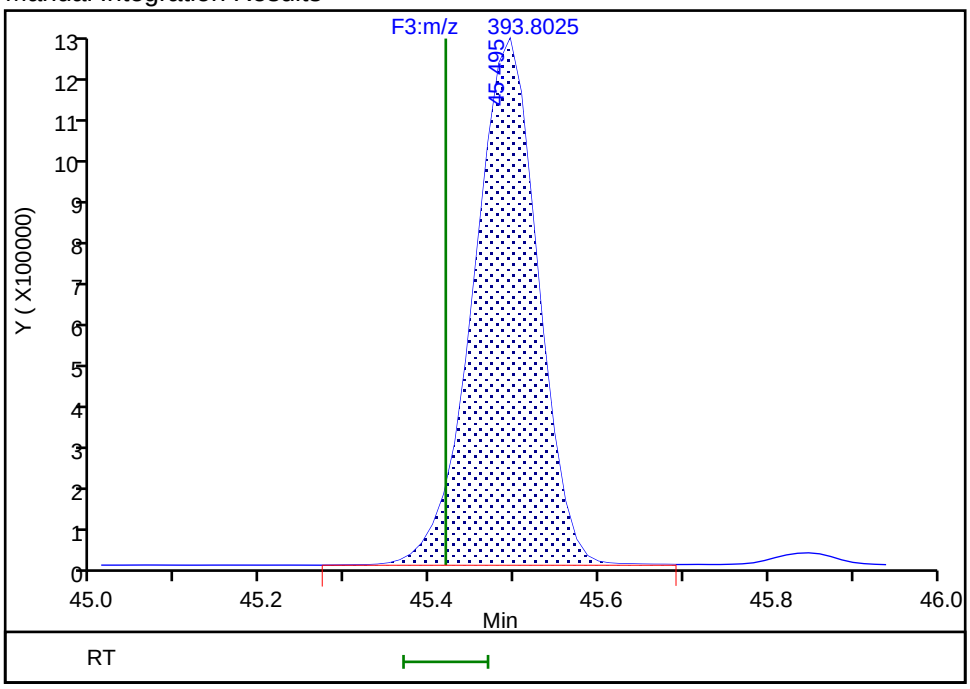
Not Detected
Expected RT: 45.42

Processing Integration Results




Manual Integration Results

RT: 45.49
Area: 6776927
Amount: 329.5547
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:52:05
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Report Date: 10-Oct-2019 23:23:15 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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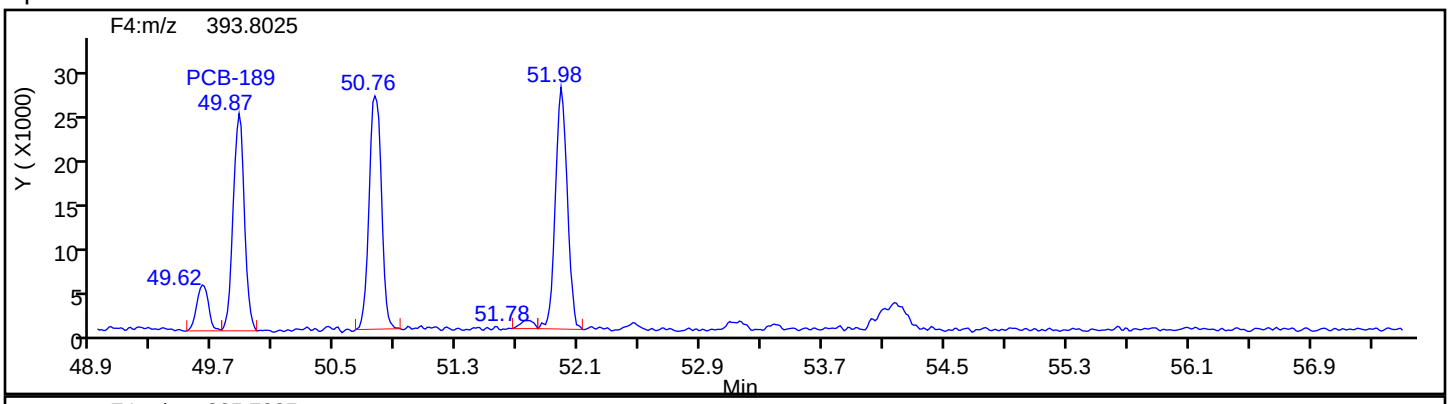
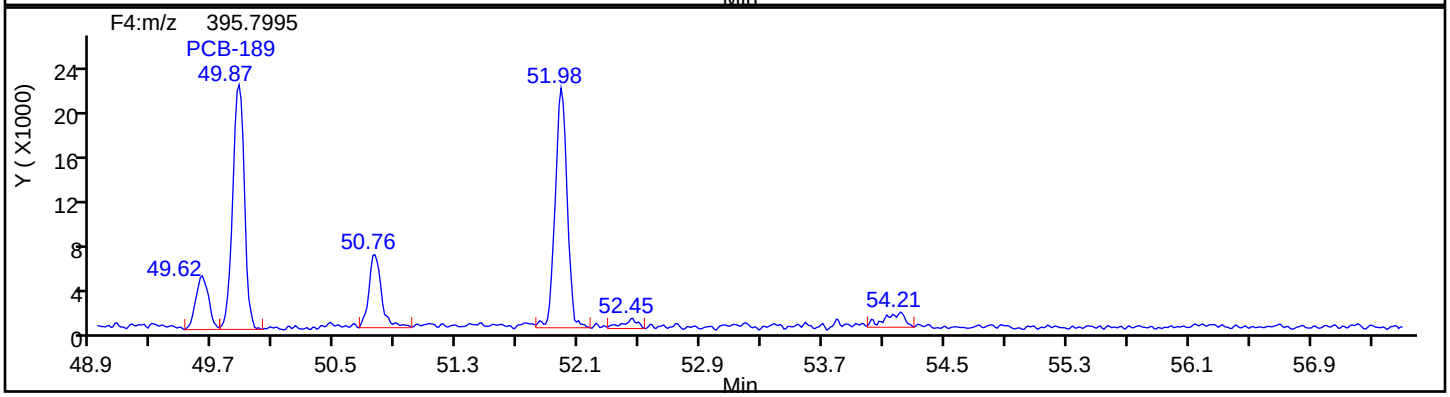
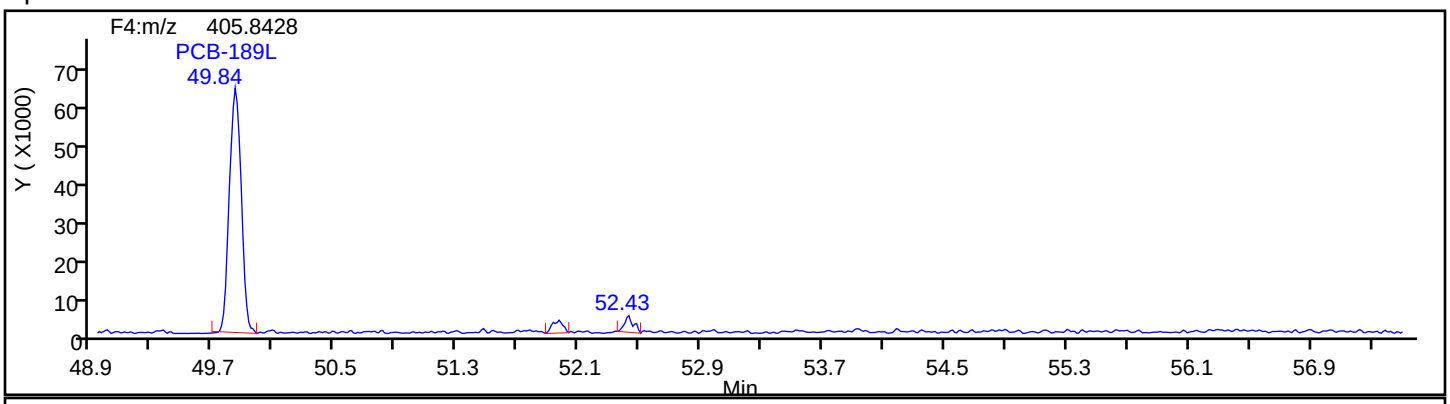
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

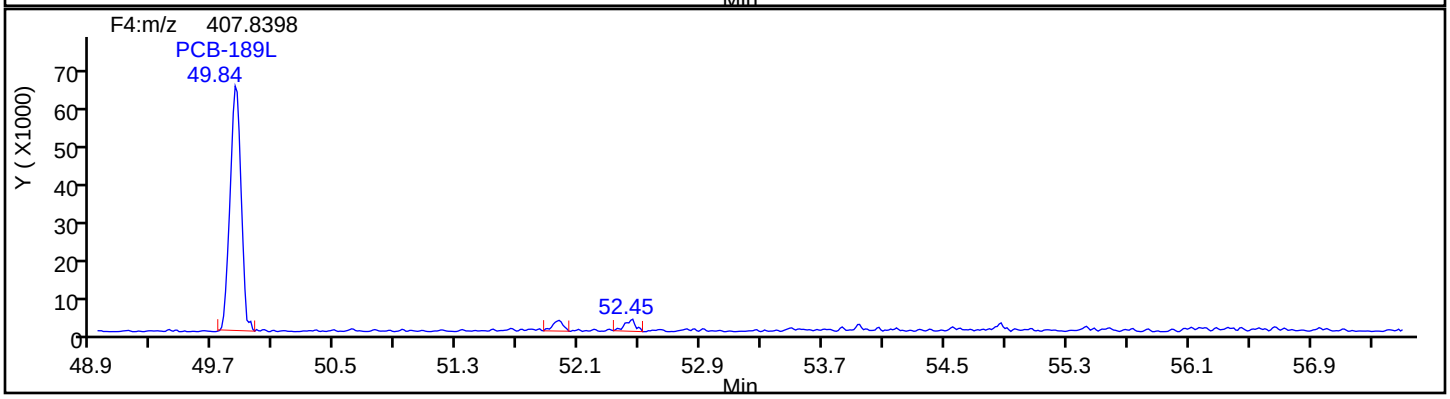
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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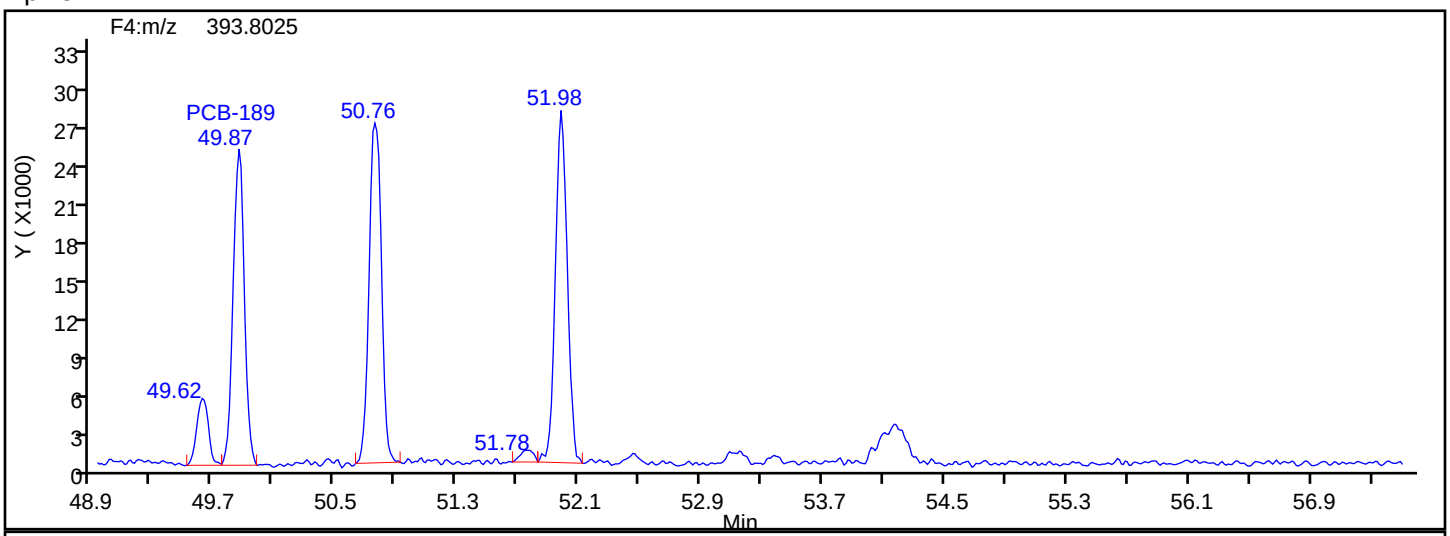
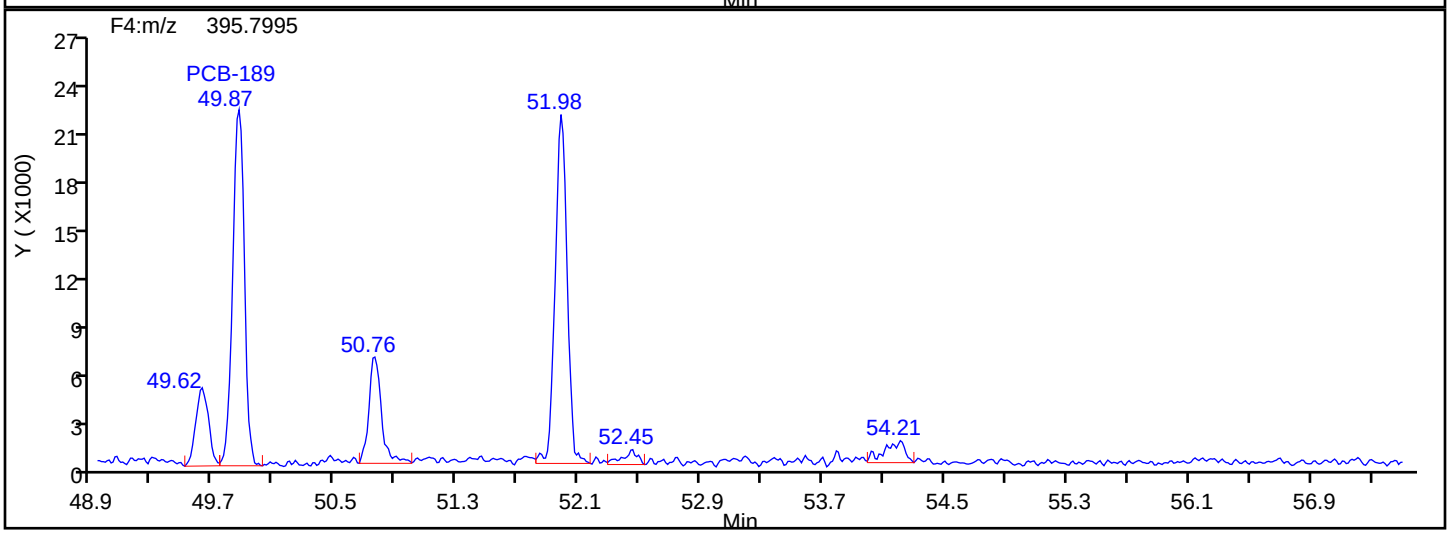
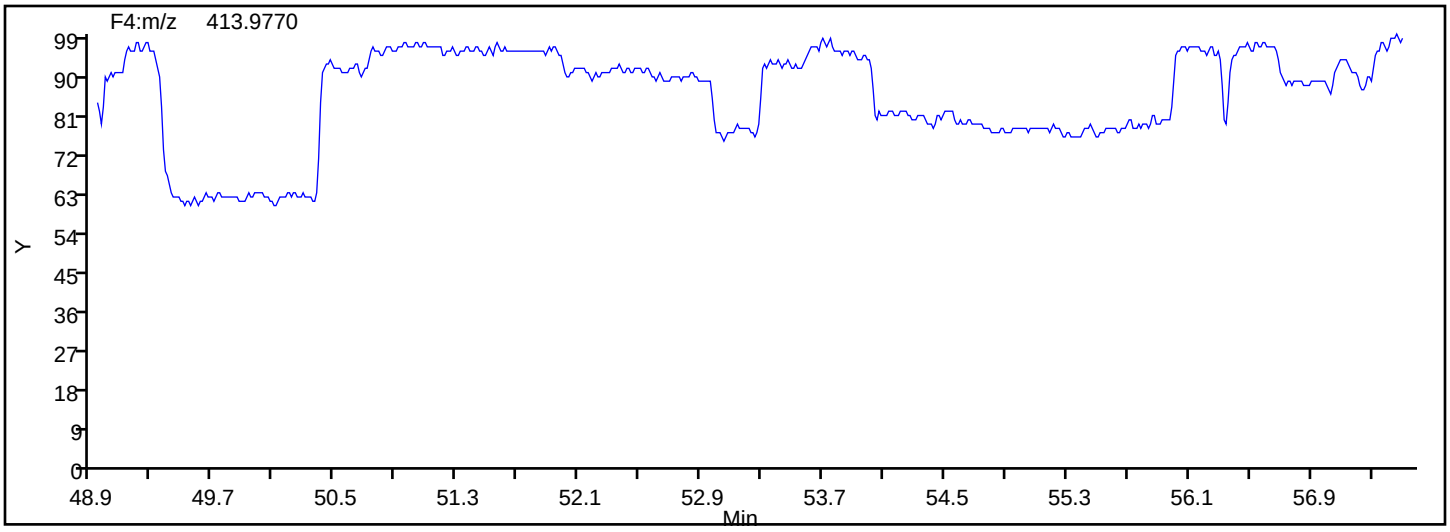
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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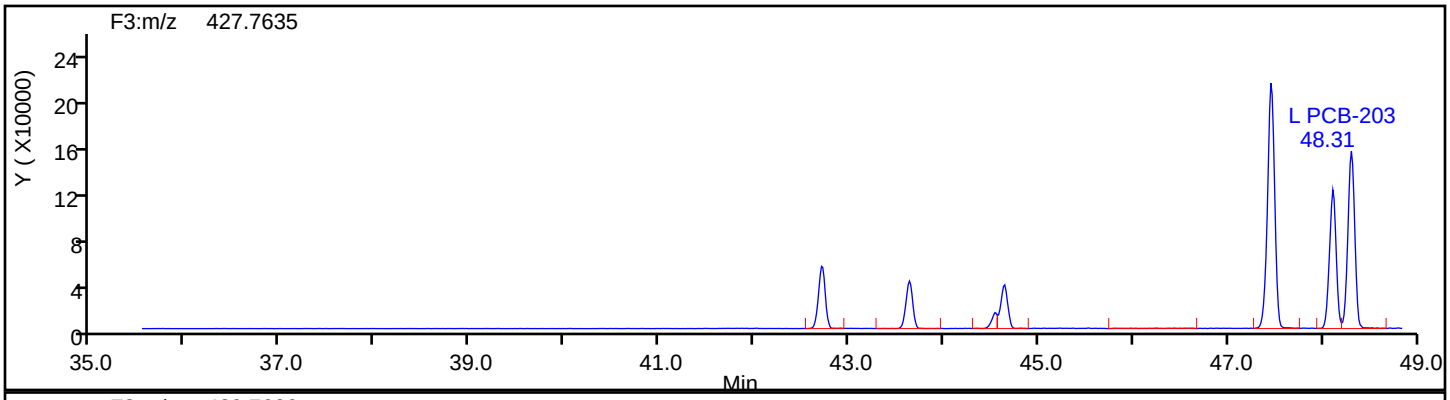
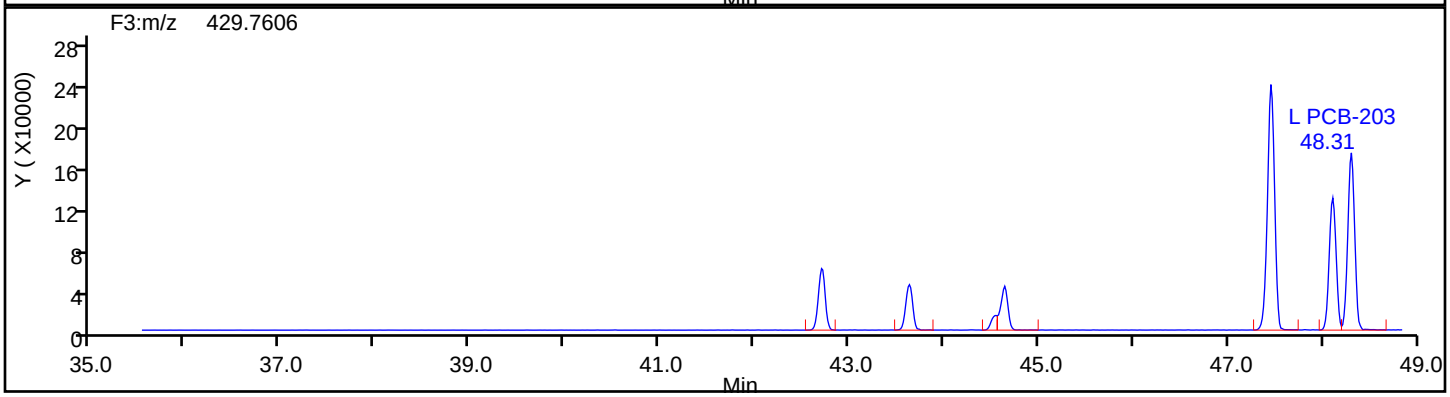
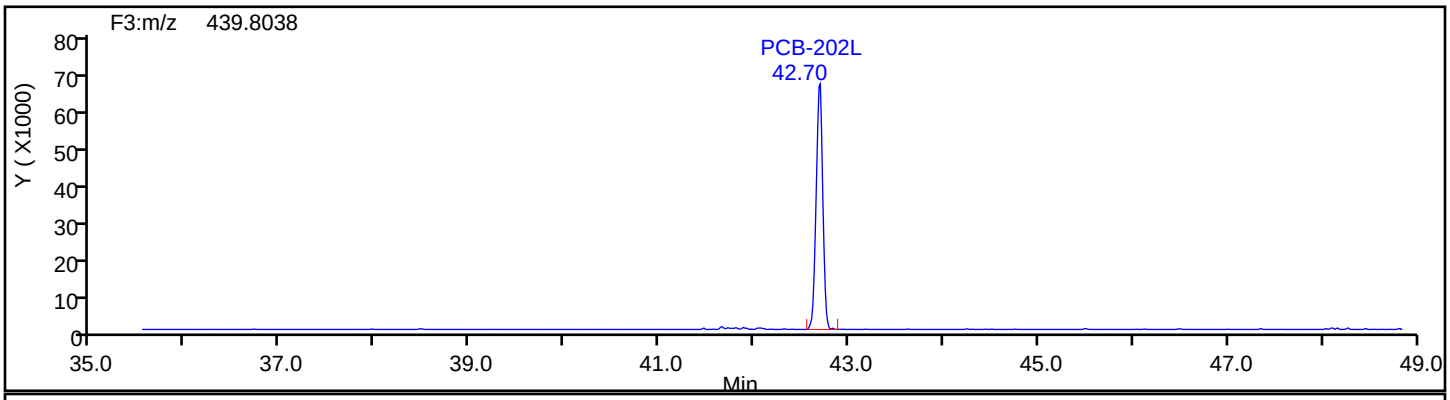
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

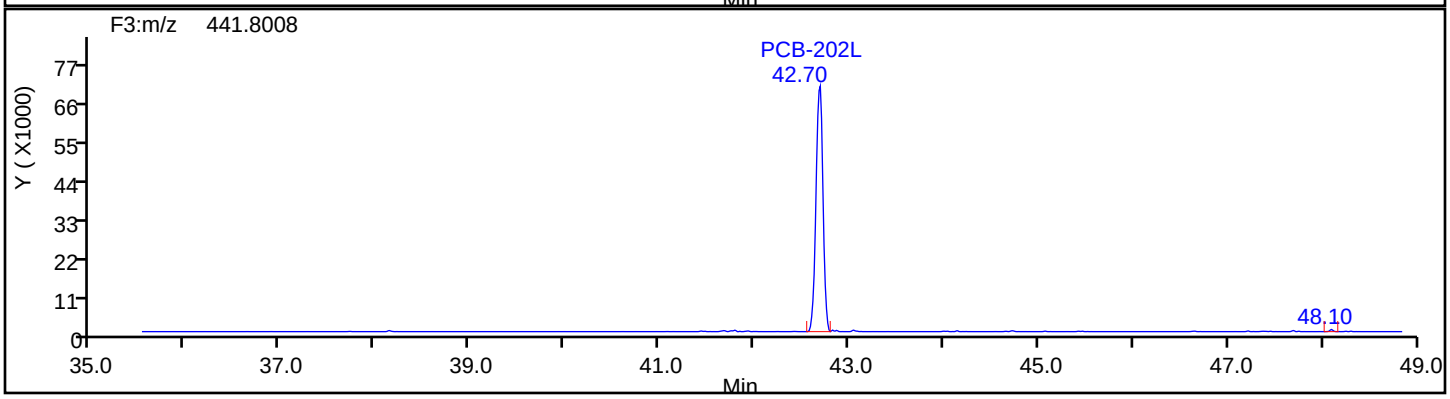
OcPCB F3




OcPCB F3 Standards

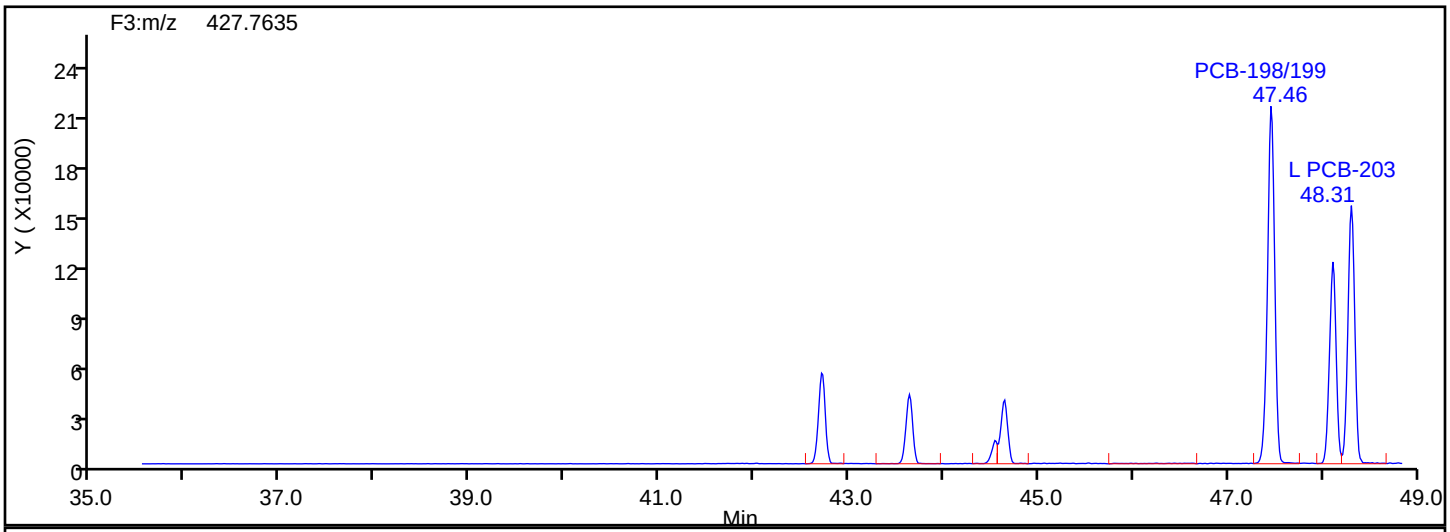


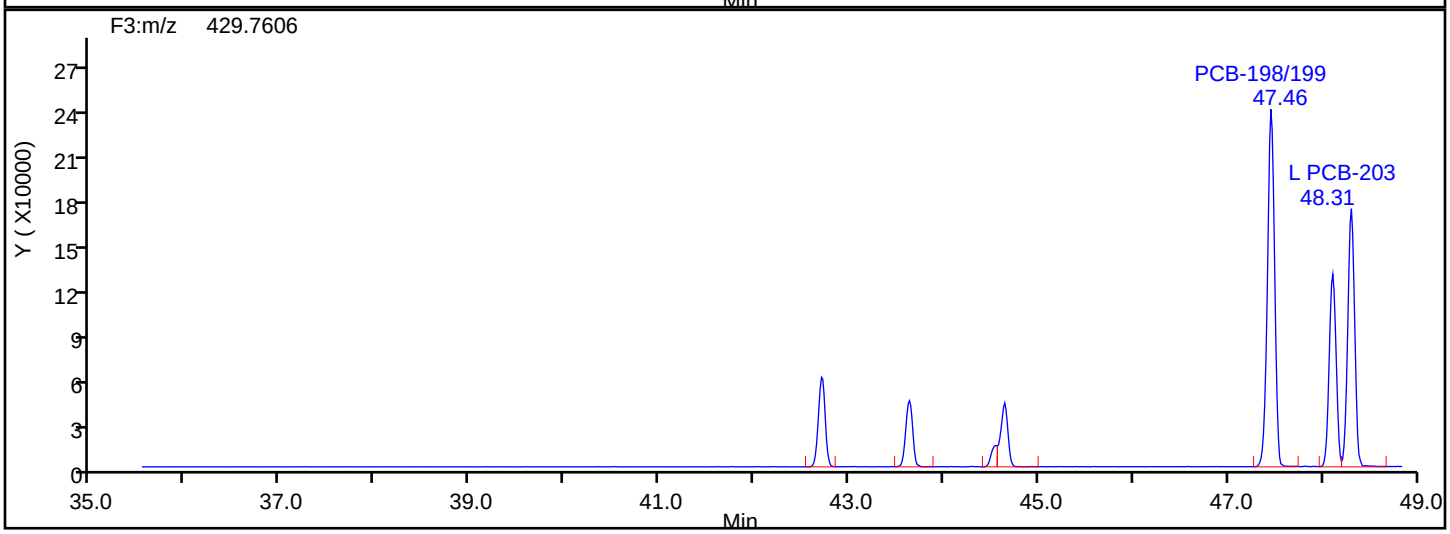



Eurofins TestAmerica, Knoxville

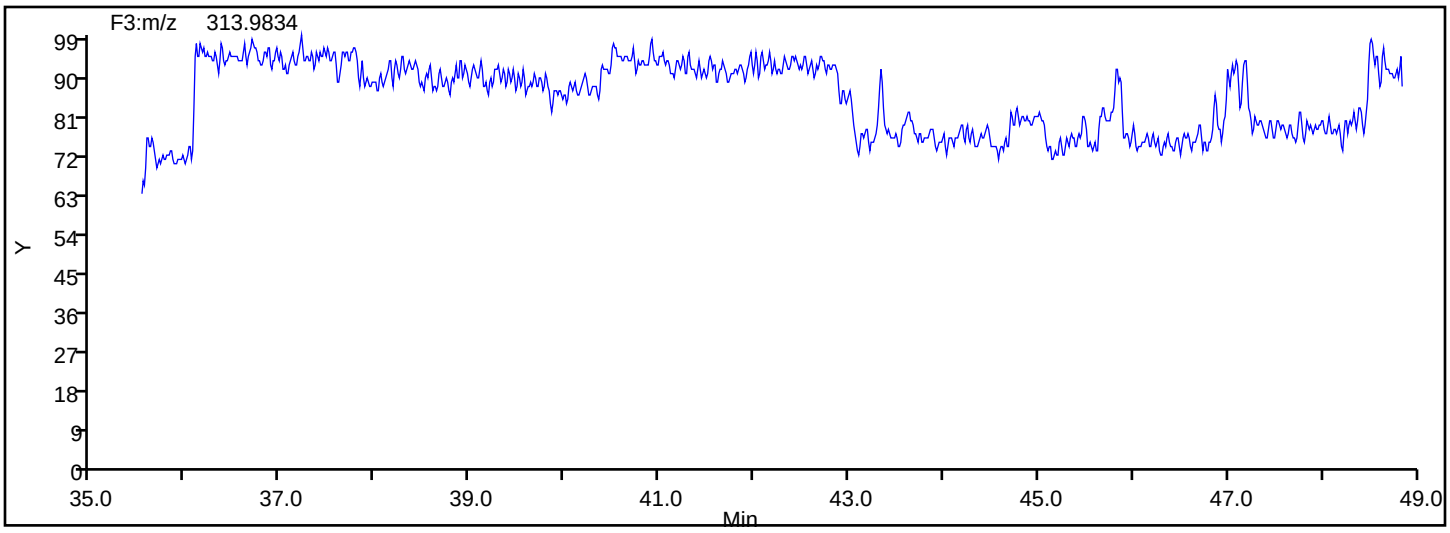
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



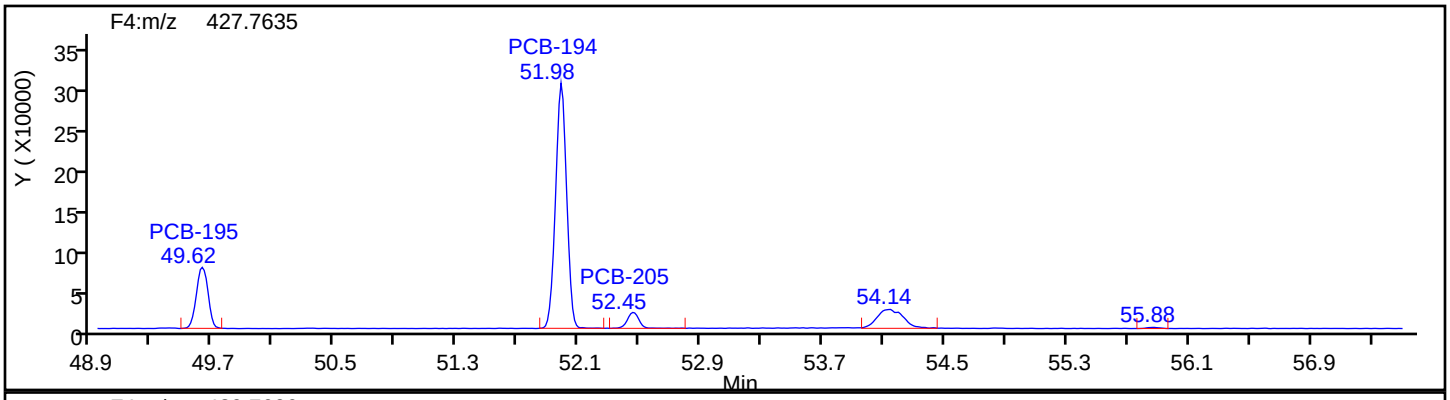

OcPCB F3 Lock Mass

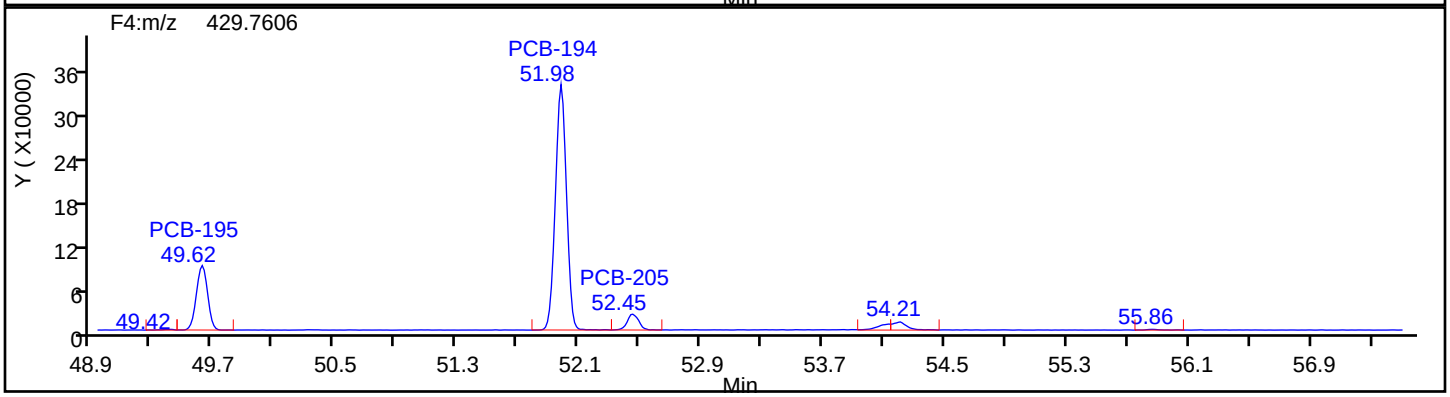


Eurofins TestAmerica, Knoxville

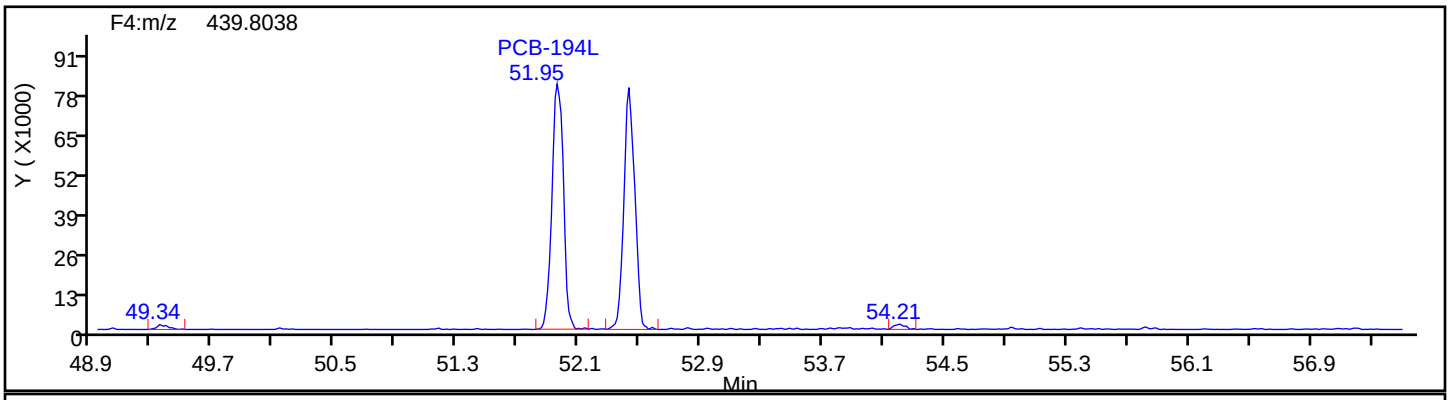
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

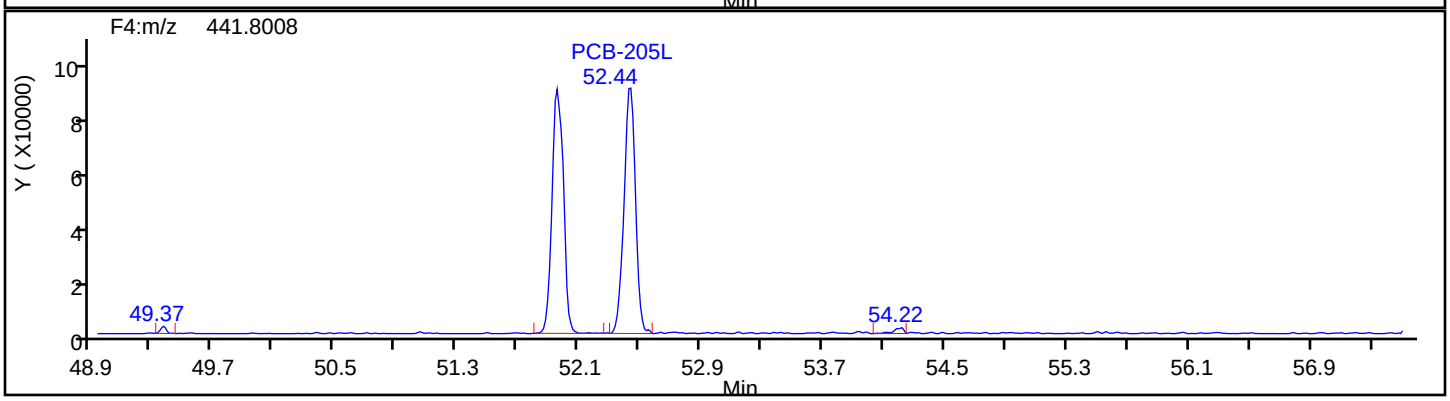
OcPCB F4




OcPCB F4 Standards

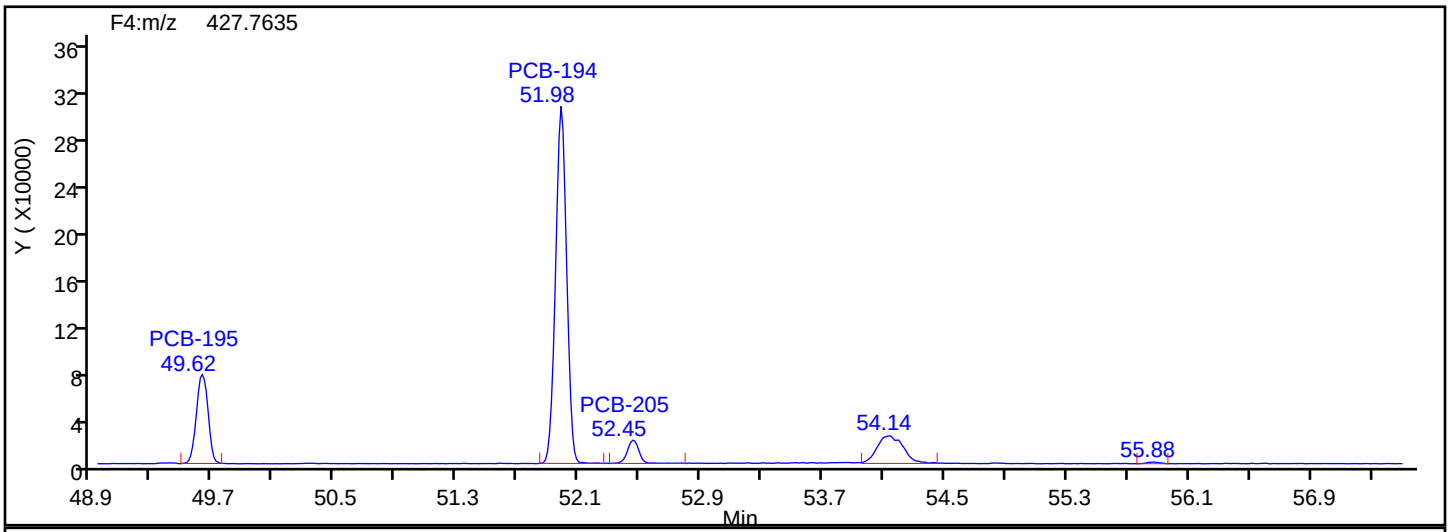


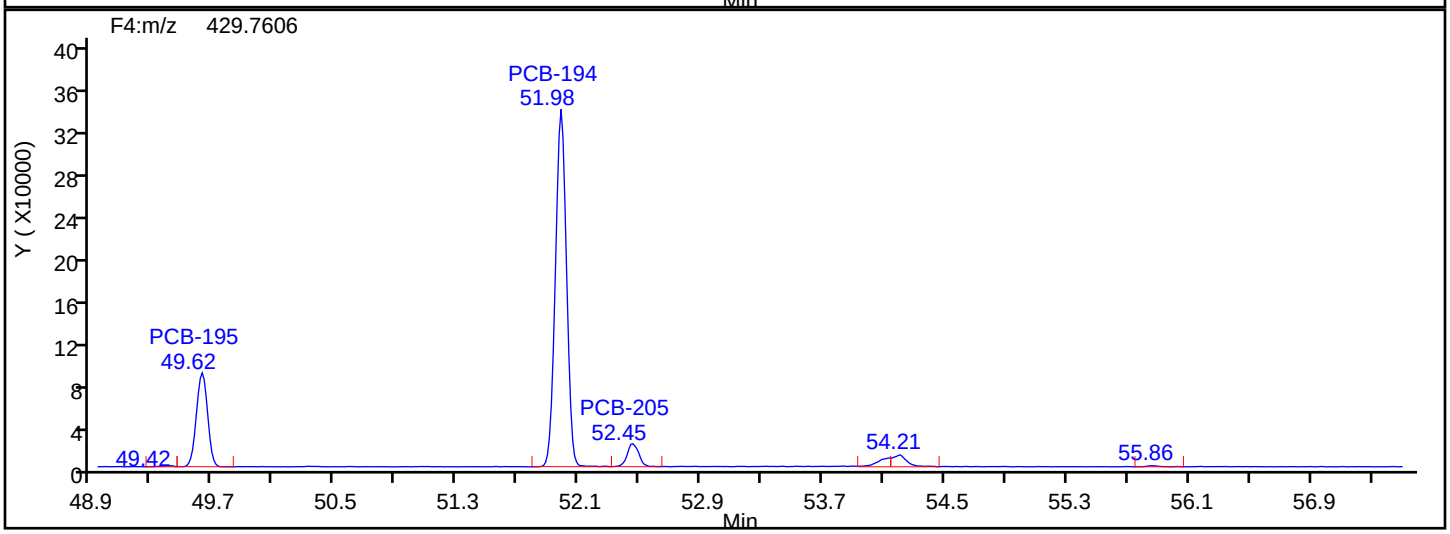



Eurofins TestAmerica, Knoxville

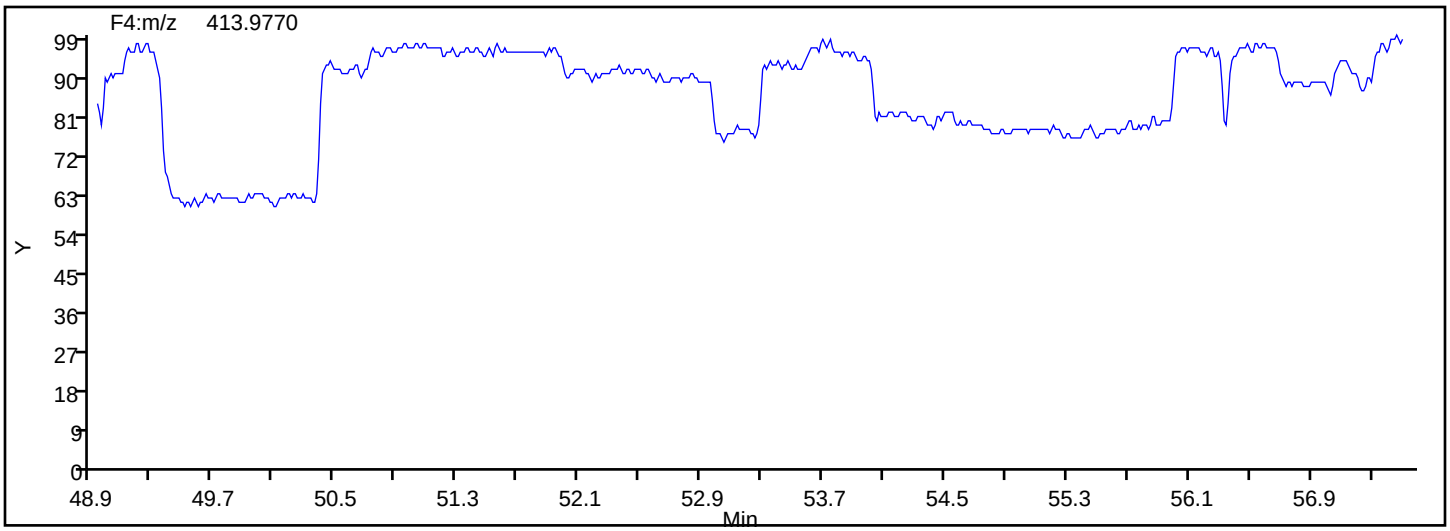
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



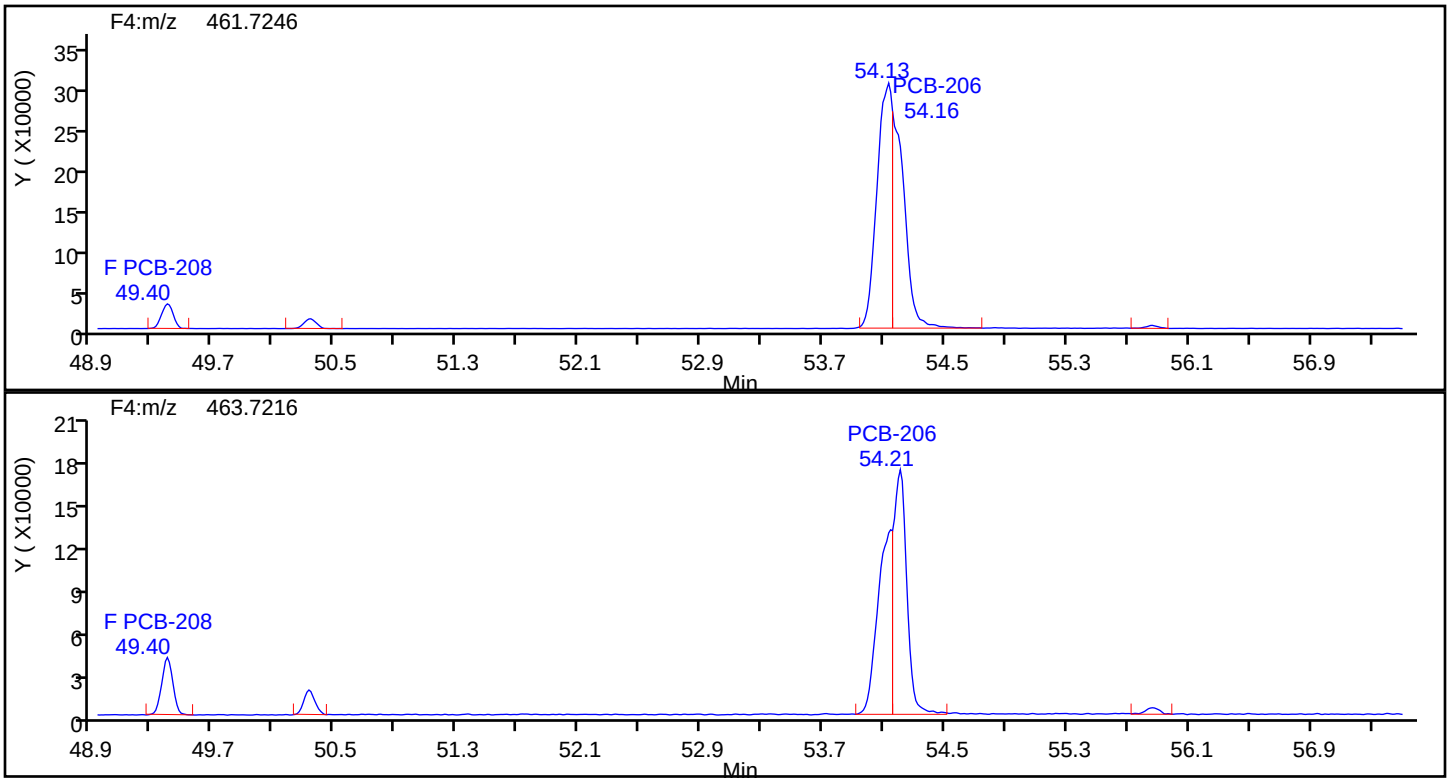

OcPCB F4 Lock Mass



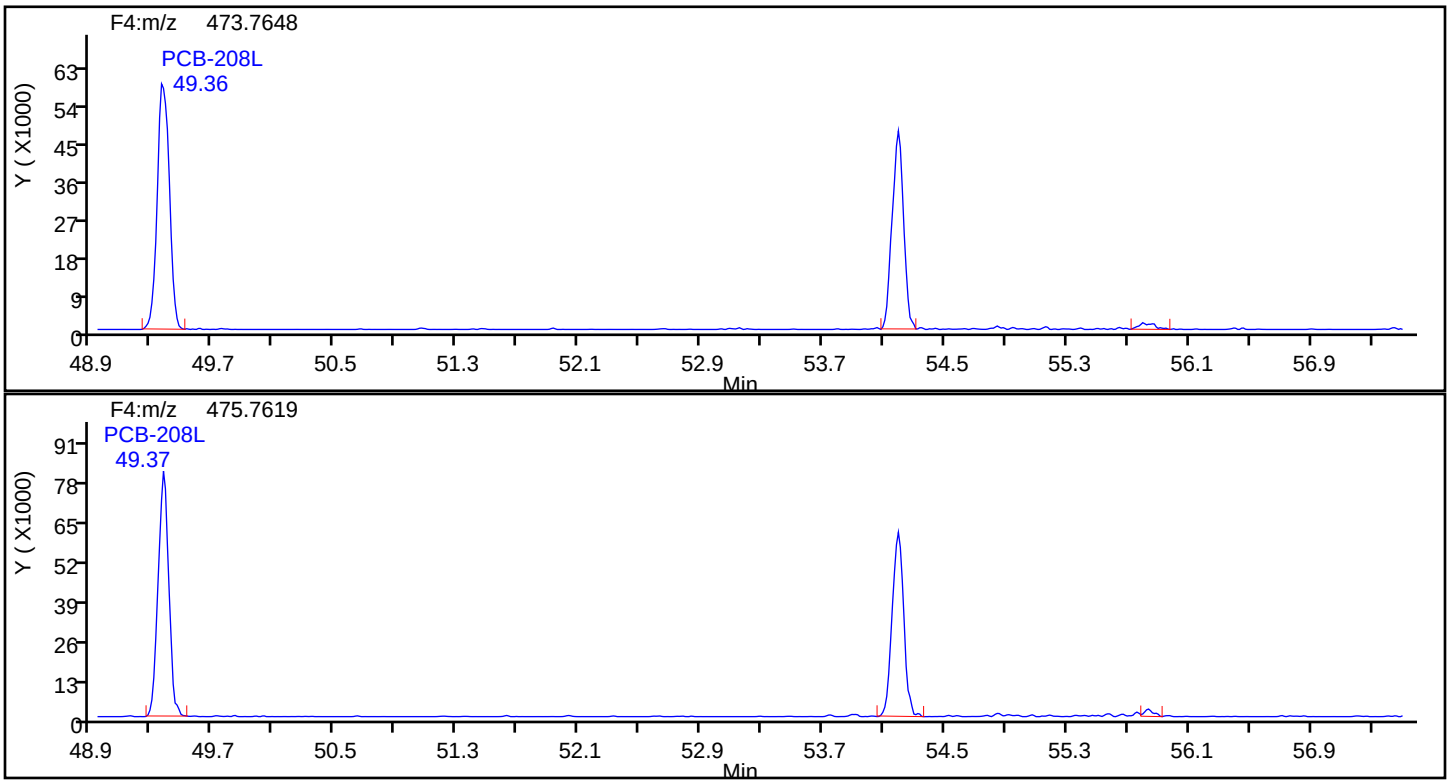
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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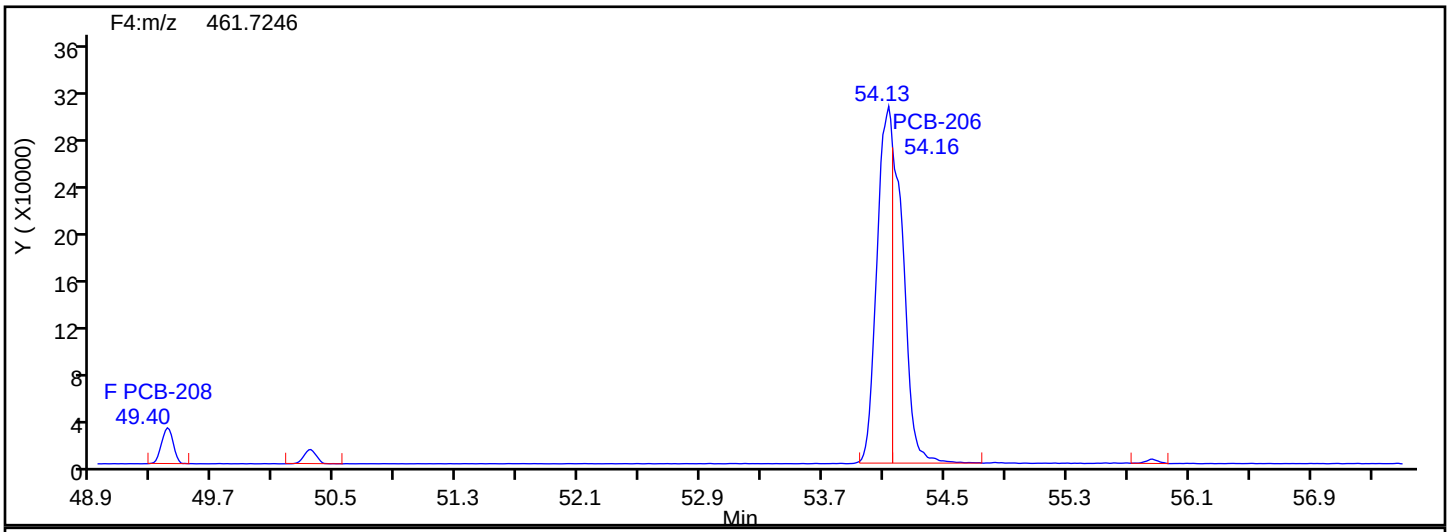
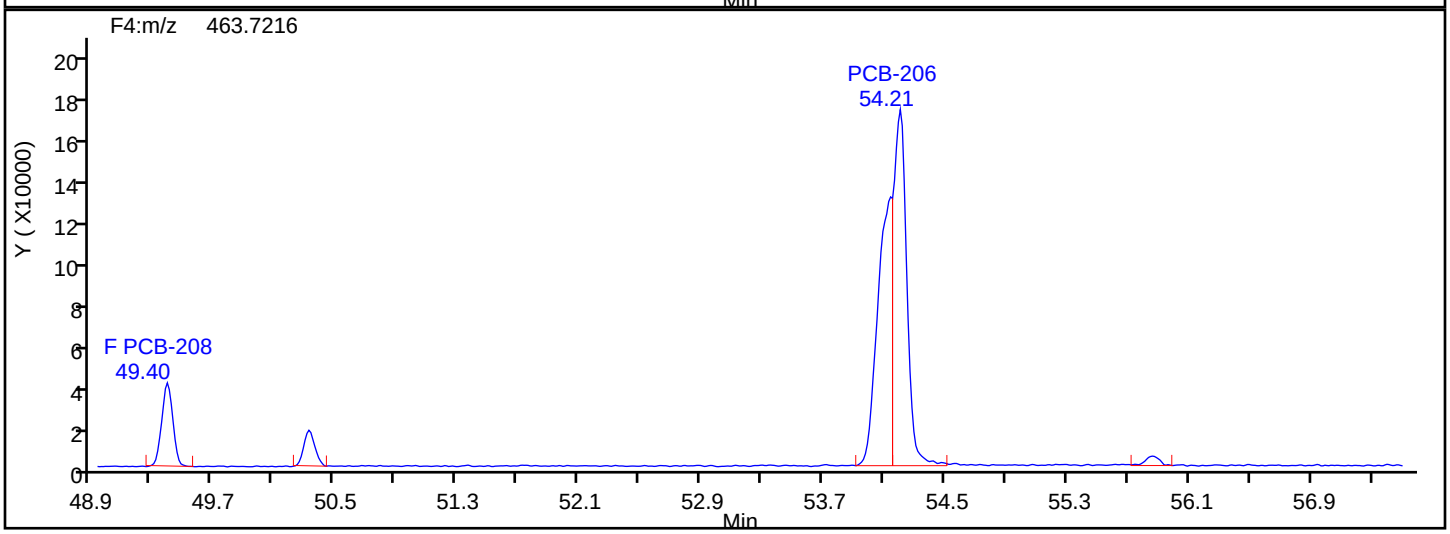
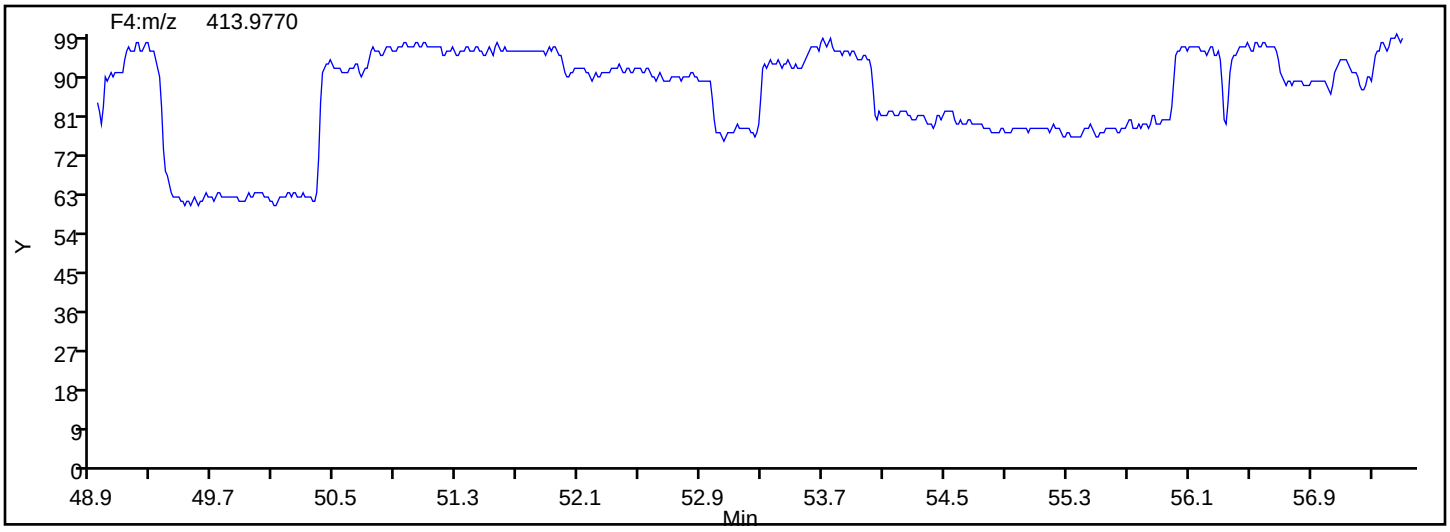
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

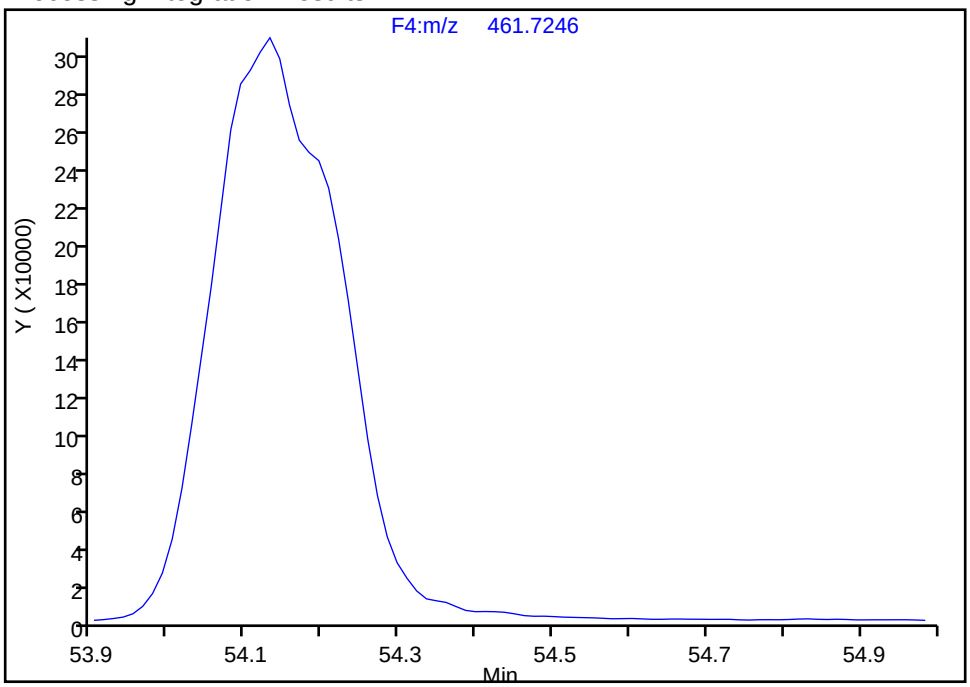
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-30-F | Lab Sample ID: | 140-88908-30 | | |
| Client ID: | J5-SC1b-60to70-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 8 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

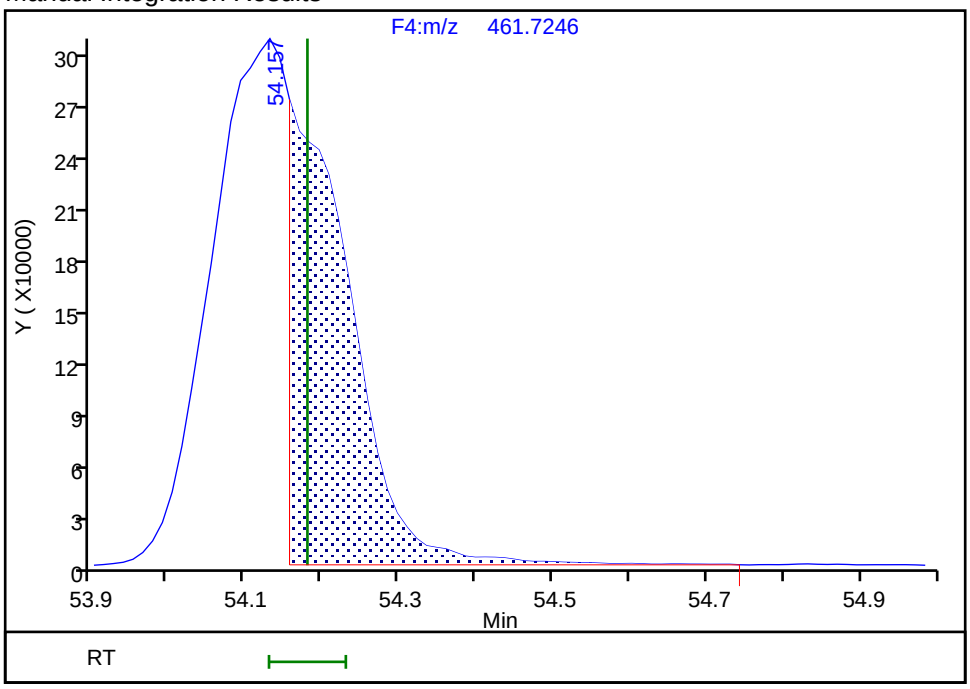
Not Detected
Expected RT: 54.18

Processing Integration Results




Manual Integration Results

RT: 54.16
Area: 1499535
Amount: 73.669723
Amount Units: pg/ul



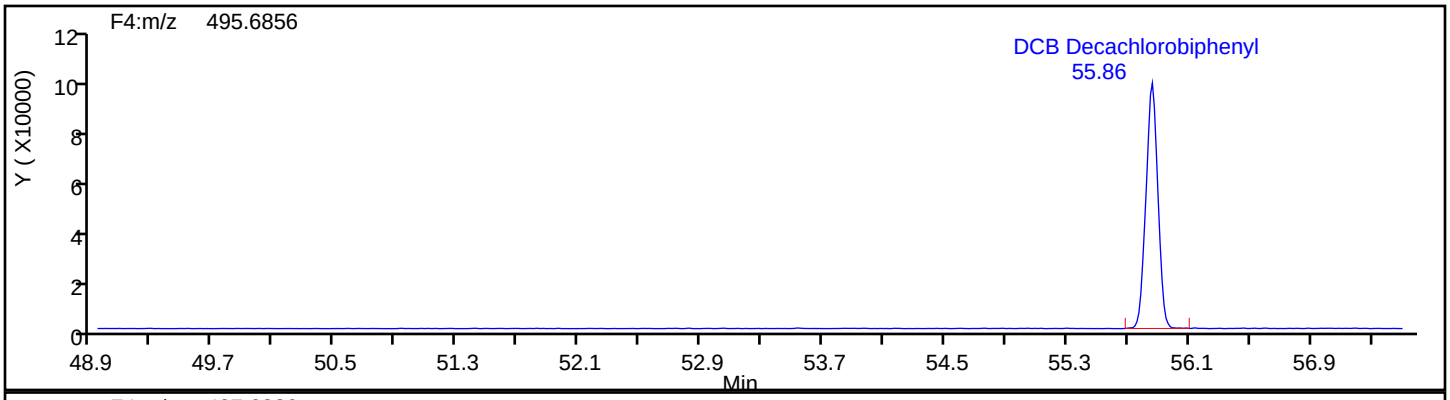

Reviewer: mcwhirterl, 10-Oct-2019 20:58:55
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason:

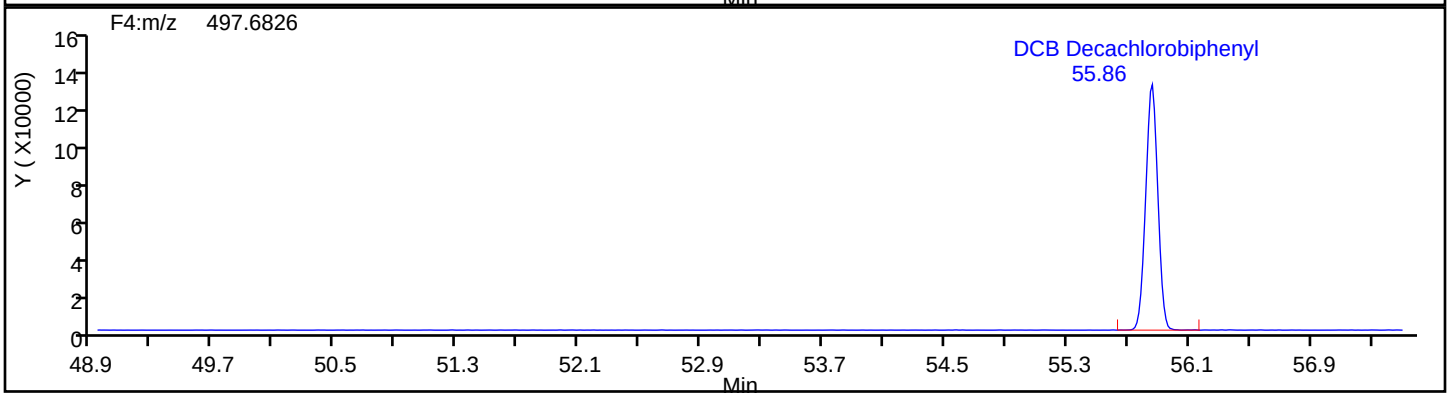
Report Date: 10-Oct-2019 23:23:16 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

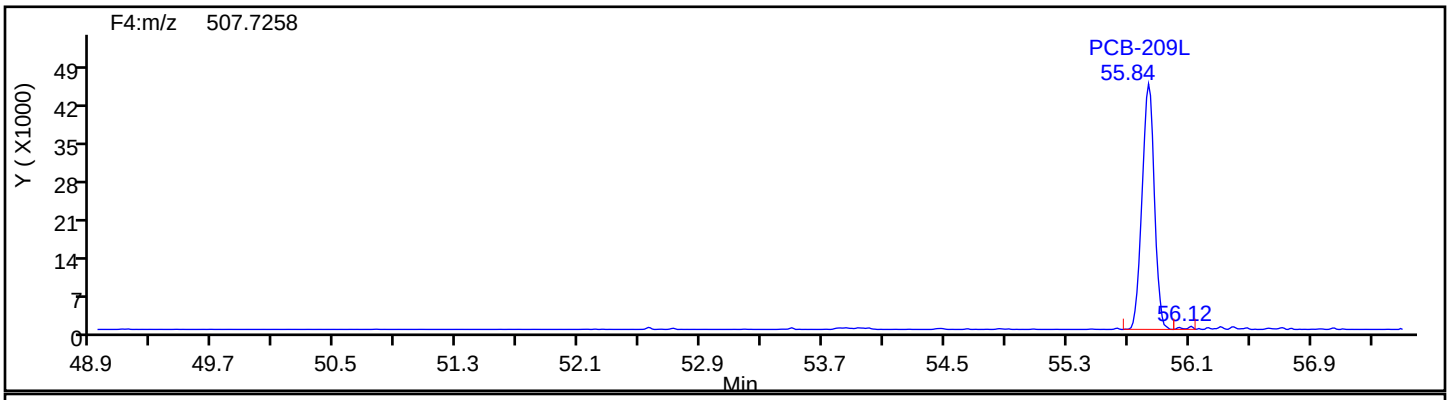
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

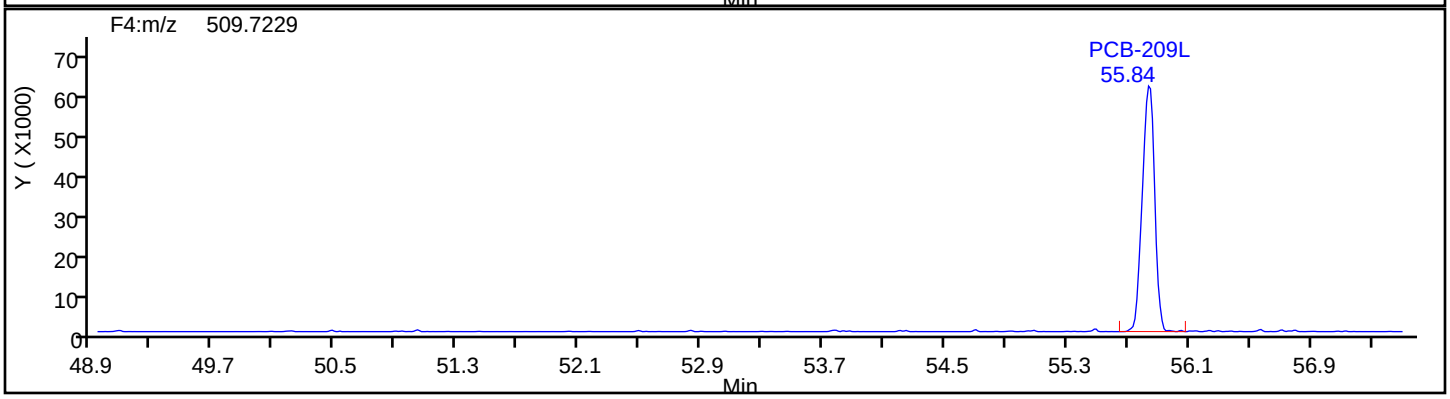
DePCB F4




DePCB F4 Standards

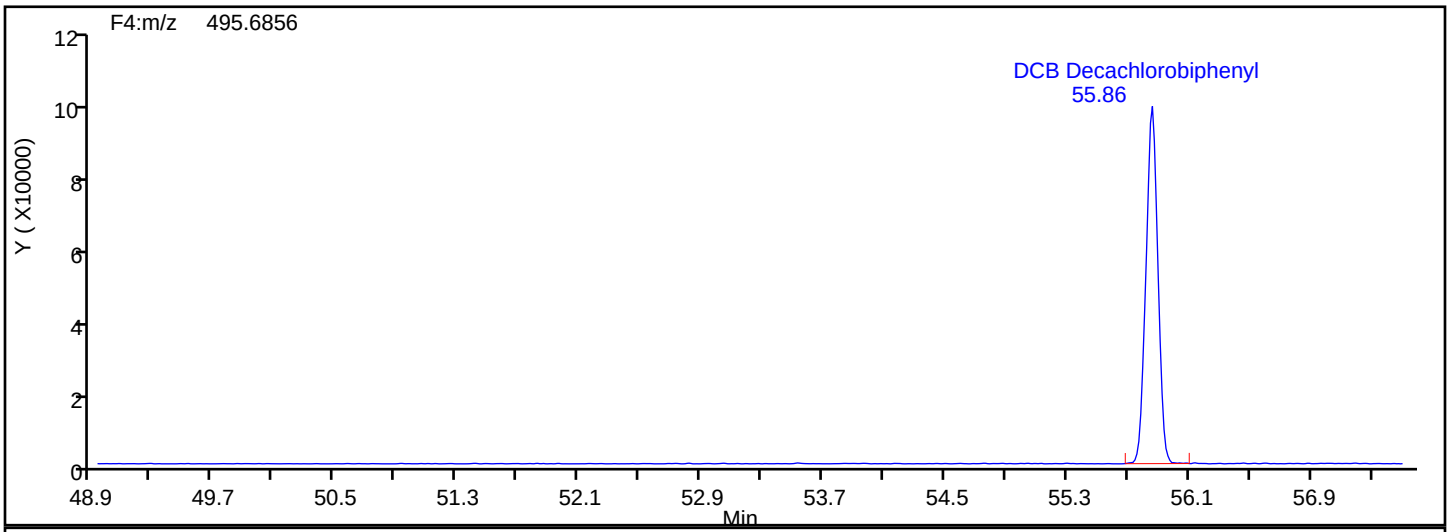


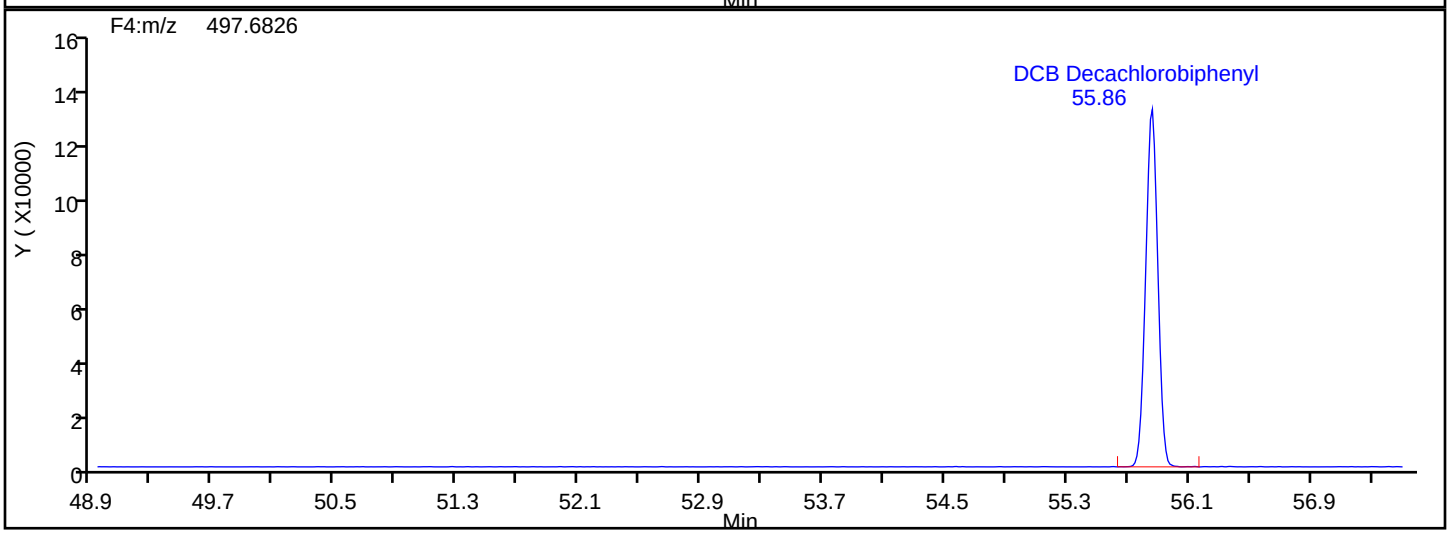



Eurofins TestAmerica, Knoxville

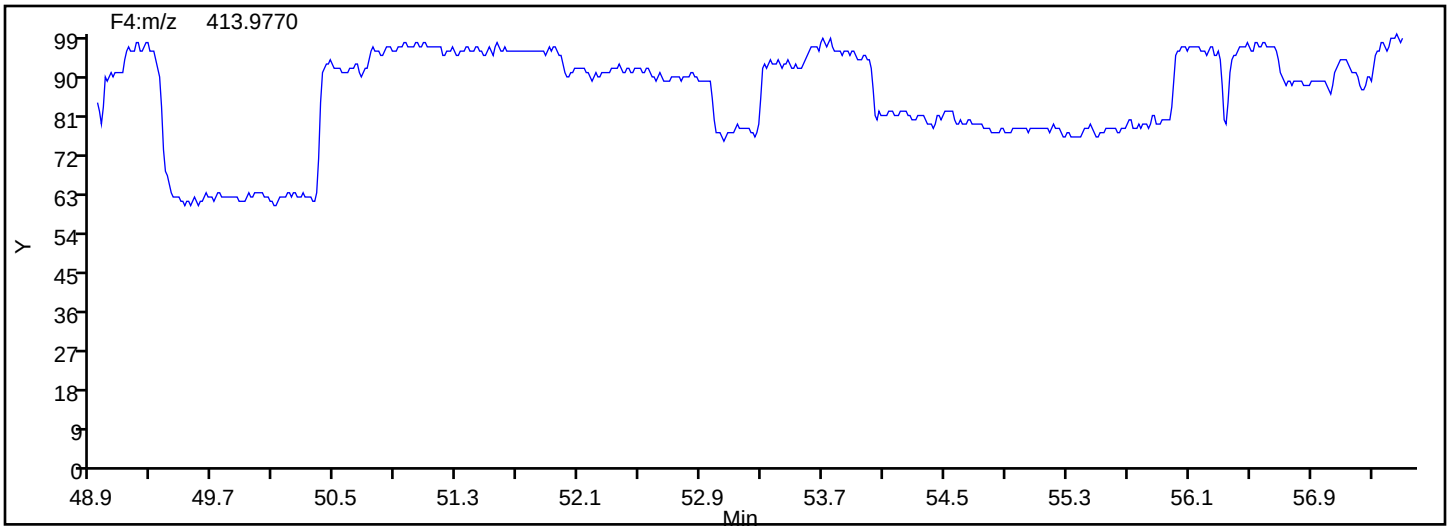
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-30-f_191010050705.d | | |
| Injection Date: | 10-Oct-2019 05:07:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-60to70-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 8 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.033 | | 0.0098 | 0.00043 |
| 2051-61-8 | PCB-2 | 0.0075 | J | 0.0098 | 0.00045 |
| 2051-62-9 | PCB-3 | 0.020 | | 0.0098 | 0.00047 |
| 13029-08-8 | PCB-4 | 0.095 | | 0.020 | 0.0012 |
| 16605-91-7 | PCB-5 | 0.0019 | J q | 0.0098 | 0.00086 |
| 25569-80-6 | PCB-6 | 0.081 | | 0.0098 | 0.00087 |
| 33284-50-3 | PCB-7 | 0.0094 | J q | 0.0098 | 0.00083 |
| 34883-43-7 | PCB-8 | 0.24 | | 0.020 | 0.00085 |
| 34883-39-1 | PCB-9 | 0.017 | | 0.0098 | 0.00095 |
| 33146-45-1 | PCB-10 | 0.0032 | J q | 0.0098 | 0.00091 |
| 2050-67-1 | PCB-11 | 0.012 | J B | 0.020 | 0.00082 |
| 2974-92-7 | PCB-12 | 0.028 | C | 0.020 | 0.00082 |
| 2974-90-5 | PCB-13 | 0.028 | C12 | 0.020 | 0.00082 |
| 34883-41-5 | PCB-14 | 0.00090 | J q | 0.0098 | 0.00072 |
| 2050-68-2 | PCB-15 | 0.086 | | 0.0098 | 0.00089 |
| 38444-78-9 | PCB-16 | 0.23 | | 0.0098 | 0.00052 |
| 37680-66-3 | PCB-17 | 0.28 | B | 0.0098 | 0.00041 |
| 37680-65-2 | PCB-18 | 0.51 | C B | 0.020 | 0.00035 |
| 38444-73-4 | PCB-19 | 0.056 | | 0.0098 | 0.00049 |
| 38444-84-7 | PCB-20 | 0.95 | C B | 0.020 | 0.0057 |
| 55702-46-0 | PCB-21 | 0.43 | C B | 0.020 | 0.0054 |
| 38444-85-8 | PCB-22 | 0.19 | B | 0.0098 | 0.0060 |
| 55720-44-0 | PCB-23 | ND | | 0.0098 | 0.0058 |
| 55702-45-9 | PCB-24 | 0.0030 | J q | 0.0098 | 0.00030 |
| 55712-37-3 | PCB-25 | 0.17 | | 0.0098 | 0.0055 |
| 38444-81-4 | PCB-26 | 0.26 | C B | 0.020 | 0.0056 |
| 38444-76-7 | PCB-27 | 0.038 | | 0.0098 | 0.00029 |
| 7012-37-5 | PCB-28 | 0.95 | B C20 | 0.020 | 0.0057 |
| 15862-07-4 | PCB-29 | 0.26 | C26 B | 0.020 | 0.0056 |
| 35693-92-6 | PCB-30 | 0.51 | C18 B | 0.020 | 0.00035 |
| 16606-02-3 | PCB-31 | 0.74 | B | 0.020 | 0.0054 |
| 38444-77-8 | PCB-32 | 0.20 | | 0.0098 | 0.00027 |
| 38444-86-9 | PCB-33 | 0.43 | B C21 | 0.020 | 0.0054 |
| 37680-68-5 | PCB-34 | 0.016 | | 0.0098 | 0.0061 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.036 | | 0.0098 | 0.0061 |
| 38444-87-0 | PCB-36 | 0.012 | | 0.0098 | 0.0055 |
| 38444-90-5 | PCB-37 | 0.20 | B | 0.0098 | 0.0058 |
| 53555-66-1 | PCB-38 | ND | | 0.0098 | 0.0056 |
| 38444-88-1 | PCB-39 | 0.031 | | 0.0098 | 0.0053 |
| 38444-93-8 | PCB-40 | 1.2 | C G | 0.058 | 0.058 |
| 52663-59-9 | PCB-41 | 1.2 | G C40 | 0.058 | 0.058 |
| 36559-22-5 | PCB-42 | 0.73 | G | 0.062 | 0.062 |
| 70362-46-8 | PCB-43 | 0.11 | C G | 0.053 | 0.053 |
| 41464-39-5 | PCB-44 | 5.7 | C B G | 0.052 | 0.052 |
| 70362-45-7 | PCB-45 | 0.21 | C B q G | 0.060 | 0.060 |
| 41464-47-5 | PCB-46 | ND | G | 0.070 | 0.070 |
| 2437-79-8 | PCB-47 | 5.7 | B C44 G | 0.052 | 0.052 |
| 70362-47-9 | PCB-48 | 0.24 | G | 0.056 | 0.056 |
| 41464-40-8 | PCB-49 | 4.4 | C B G | 0.047 | 0.047 |
| 62796-65-0 | PCB-50 | 0.37 | C G | 0.057 | 0.057 |
| 68194-04-7 | PCB-51 | 0.21 | C45 B q G | 0.060 | 0.060 |
| 35693-99-3 | PCB-52 | 11 | B G | 0.059 | 0.059 |
| 41464-41-9 | PCB-53 | 0.37 | C50 G | 0.057 | 0.057 |
| 15968-05-5 | PCB-54 | 0.011 | q | 0.0098 | 0.00018 |
| 74338-24-2 | PCB-55 | ND | G | 0.041 | 0.041 |
| 41464-43-1 | PCB-56 | 0.95 | G | 0.042 | 0.042 |
| 70424-67-8 | PCB-57 | ND | G | 0.042 | 0.042 |
| 41464-49-7 | PCB-58 | ND | G | 0.040 | 0.040 |
| 74472-33-6 | PCB-59 | 0.15 | C G | 0.039 | 0.039 |
| 33025-41-1 | PCB-60 | 0.23 | G | 0.040 | 0.040 |
| 33284-53-6 | PCB-61 | 8.0 | C B | 0.039 | 0.039 |
| 54230-22-7 | PCB-62 | 0.15 | C59 G | 0.039 | 0.039 |
| 74472-34-7 | PCB-63 | 0.096 | G | 0.036 | 0.036 |
| 52663-58-8 | PCB-64 | 1.0 | G | 0.038 | 0.038 |
| 33284-54-7 | PCB-65 | 5.7 | B C44 G | 0.052 | 0.052 |
| 32598-10-0 | PCB-66 | 3.2 | B G | 0.042 | 0.042 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 73575-53-8 | PCB-67 | ND | G | 0.038 | 0.038 |
| 73575-52-7 | PCB-68 | 0.42 | B G | 0.036 | 0.036 |
| 60233-24-1 | PCB-69 | 4.4 | B C49 G | 0.047 | 0.047 |
| 32598-11-1 | PCB-70 | 8.0 | C61 B | 0.039 | 0.039 |
| 41464-46-4 | PCB-71 | 1.2 | G C40 | 0.058 | 0.058 |
| 41464-42-0 | PCB-72 | 0.40 | G | 0.041 | 0.041 |
| 74338-23-1 | PCB-73 | 0.11 | C43 G | 0.053 | 0.053 |
| 32690-93-0 | PCB-74 | 8.0 | C61 B | 0.039 | 0.039 |
| 32598-12-2 | PCB-75 | 0.15 | C59 G | 0.039 | 0.039 |
| 70362-48-0 | PCB-76 | 8.0 | C61 B | 0.039 | 0.039 |
| 32598-13-3 | PCB-77 | 0.13 | G | 0.038 | 0.038 |
| 70362-49-1 | PCB-78 | ND | G | 0.041 | 0.041 |
| 41464-48-6 | PCB-79 | 0.24 | G | 0.035 | 0.035 |
| 33284-52-5 | PCB-80 | ND | G | 0.036 | 0.036 |
| 70362-50-4 | PCB-81 | ND | G | 0.042 | 0.042 |
| 52663-62-4 | PCB-82 | 1.5 | B | 0.0098 | 0.00053 |
| 60145-20-2 | PCB-83 | 13 | C B | 0.020 | 0.00049 |
| 52663-60-2 | PCB-84 | 4.4 | B | 0.0098 | 0.00054 |
| 65510-45-4 | PCB-85 | 2.0 | C | 0.029 | 0.00038 |
| 55312-69-1 | PCB-86 | 9.7 | C B | 0.059 | 0.00039 |
| 38380-02-8 | PCB-87 | 9.7 | B C86 | 0.059 | 0.00039 |
| 55215-17-3 | PCB-88 | 3.6 | C B | 0.020 | 0.00046 |
| 73575-57-2 | PCB-89 | 0.10 |  | 0.0098 | 0.00052 |
| 68194-07-0 | PCB-90 | 21 | C B | 0.029 | 0.00041 |
| 68194-05-8 | PCB-91 | 3.6 | C88 B | 0.020 | 0.00046 |
| 52663-61-3 | PCB-92 | 5.7 | B | 0.0098 | 0.00048 |
| 73575-56-1 | PCB-93 | 0.67 | C | 0.020 | 0.00047 |
| 73575-55-0 | PCB-94 | 0.10 |  | 0.0098 | 0.00051 |
| 38379-99-6 | PCB-95 | 16 | B | 0.0098 | 0.00048 |
| 73575-54-9 | PCB-96 | 0.11 |  | 0.0098 | 0.00038 |
| 41464-51-1 | PCB-97 | 9.7 | B C86 | 0.059 | 0.00039 |
| 60233-25-2 | PCB-98 | 0.57 | C | 0.020 | 0.00047 |
| 38380-01-7 | PCB-99 | 13 | C83 B | 0.020 | 0.00049 |
| 39485-83-1 | PCB-100 | 0.67 | C93 | 0.020 | 0.00047 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-73-2 | PCB-101 | 21 | B C90 | 0.029 | 0.00041 |
| 68194-06-9 | PCB-102 | 0.57 | C98 | 0.020 | 0.00047 |
| 60145-21-3 | PCB-103 | 0.80 | | 0.0098 | 0.00045 |
| 56558-16-8 | PCB-104 | ND | | 0.0098 | 0.00033 |
| 32598-14-4 | PCB-105 | 4.3 | B G | 0.011 | 0.011 |
| 70424-69-0 | PCB-106 | ND | G | 0.012 | 0.012 |
| 70424-68-9 | PCB-107 | 1.4 | B G | 0.011 | 0.011 |
| 70362-41-3 | PCB-108 | 0.52 | C | 0.020 | 0.012 |
| 74472-35-8 | PCB-109 | 9.7 | B C86 | 0.059 | 0.00039 |
| 38380-03-9 | PCB-110 | 15 | C B | 0.020 | 0.00034 |
| 39635-32-0 | PCB-111 | 0.10 | | 0.0098 | 0.00032 |
| 74472-36-9 | PCB-112 | ND | | 0.0098 | 0.00034 |
| 68194-10-5 | PCB-113 | 21 | B C90 | 0.029 | 0.00041 |
| 74472-37-0 | PCB-114 | 0.24 | G | 0.011 | 0.011 |
| 74472-38-1 | PCB-115 | 15 | B C110 | 0.020 | 0.00034 |
| 18259-05-7 | PCB-116 | 2.0 | C85 | 0.029 | 0.00038 |
| 68194-11-6 | PCB-117 | 2.0 | C85 | 0.029 | 0.00038 |
| 31508-00-6 | PCB-118 | 12 | B G | 0.011 | 0.011 |
| 56558-17-9 | PCB-119 | 9.7 | B C86 | 0.059 | 0.00039 |
| 68194-12-7 | PCB-120 | 0.26 | | 0.0098 | 0.00031 |
| 56558-18-0 | PCB-121 | ND | | 0.0098 | 0.00033 |
| 76842-07-4 | PCB-122 | 0.15 | B G | 0.013 | 0.013 |
| 65510-44-3 | PCB-123 | 0.17 | G | 0.011 | 0.011 |
| 70424-70-3 | PCB-124 | 0.52 | C108 | 0.020 | 0.012 |
| 74472-39-2 | PCB-125 | 9.7 | B C86 | 0.059 | 0.00039 |
| 57465-28-8 | PCB-126 | 0.015 | G | 0.011 | 0.011 |
| 39635-33-1 | PCB-127 | ND | G | 0.012 | 0.012 |
| 38380-07-3 | PCB-128 | 2.8 | C B | 0.020 | 0.0034 |
| 55215-18-4 | PCB-129 | 20 | C B | 0.039 | 0.0035 |
| 52663-66-8 | PCB-130 | 1.4 | B | 0.0098 | 0.0046 |
| 61798-70-7 | PCB-131 | 0.27 | | 0.0098 | 0.0045 |
| 38380-05-1 | PCB-132 | 6.9 | B | 0.0098 | 0.0044 |
| 35694-04-3 | PCB-133 | 1.1 | | 0.0098 | 0.0042 |
| 52704-70-8 | PCB-134 | 1.4 | C | 0.020 | 0.0045 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52744-13-5 | PCB-135 | 9.6 | C B | 0.020 | 0.00060 |
| 38411-22-2 | PCB-136 | 3.8 | B | 0.0098 | 0.00045 |
| 35694-06-5 | PCB-137 | 0.64 | | 0.0098 | 0.0036 |
| 35065-28-2 | PCB-138 | 20 | B C129 | 0.039 | 0.0035 |
| 56030-56-9 | PCB-139 | 0.68 | C | 0.020 | 0.0038 |
| 59291-64-4 | PCB-140 | 0.68 | C139 | 0.020 | 0.0038 |
| 52712-04-6 | PCB-141 | 3.4 | B | 0.0098 | 0.0040 |
| 41411-61-4 | PCB-142 | ND | | 0.0098 | 0.0045 |
| 68194-15-0 | PCB-143 | 1.4 | C134 | 0.020 | 0.0045 |
| 68194-14-9 | PCB-144 | 0.64 | | 0.0098 | 0.00057 |
| 74472-40-5 | PCB-145 | 0.0053 | J q | 0.0098 | 0.00044 |
| 51908-16-8 | PCB-146 | 6.9 | B | 0.0098 | 0.0038 |
| 68194-13-8 | PCB-147 | 22 | C B | 0.020 | 0.0039 |
| 74472-41-6 | PCB-148 | 0.41 | | 0.0098 | 0.00058 |
| 38380-04-0 | PCB-149 | 22 | B C147 | 0.020 | 0.0039 |
| 68194-08-1 | PCB-150 | 0.32 | | 0.0098 | 0.00042 |
| 52663-63-5 | PCB-151 | 9.6 | C135 B | 0.020 | 0.00060 |
| 68194-09-2 | PCB-152 | 0.021 | | 0.0098 | 0.00042 |
| 35065-27-1 | PCB-153 | 20 | C B | 0.020 | 0.0031 |
| 60145-22-4 | PCB-154 | 1.6 | | 0.0098 | 0.00051 |
| 33979-03-2 | PCB-155 | 0.018 | | 0.0098 | 0.00040 |
| 38380-08-4 | PCB-156 | 2.1 | C B | 0.020 | 0.0034 |
| 69782-90-7 | PCB-157 | 2.1 | C156 B | 0.020 | 0.0034 |
| 74472-42-7 | PCB-158 | 1.8 | B | 0.0098 | 0.0028 |
| 39635-35-3 | PCB-159 | 0.19 | | 0.0098 | 0.0029 |
| 41411-62-5 | PCB-160 | 20 | B C129 | 0.039 | 0.0035 |
| 74472-43-8 | PCB-161 | ND | | 0.0098 | 0.0029 |
| 39635-34-2 | PCB-162 | ND | | 0.0098 | 0.0028 |
| 74472-44-9 | PCB-163 | 20 | B C129 | 0.039 | 0.0035 |
| 74472-45-0 | PCB-164 | 1.4 | B | 0.0098 | 0.0031 |
| 74472-46-1 | PCB-165 | ND | | 0.0098 | 0.0034 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 41411-63-6 | PCB-166 | 2.8 | C128 B | 0.020 | 0.0034 |
| 52663-72-6 | PCB-167 | 0.65 | B | 0.0098 | 0.0025 |
| 59291-65-5 | PCB-168 | 20 | B C153 | 0.020 | 0.0031 |
| 32774-16-6 | PCB-169 | ND | | 0.0098 | 0.0028 |
| 35065-30-6 | PCB-170 | 5.7 | B | 0.0098 | 0.00043 |
| 52663-71-5 | PCB-171 | 2.0 | C B | 0.020 | 0.00047 |
| 52663-74-8 | PCB-172 | 1.1 | B | 0.0098 | 0.00046 |
| 68194-16-1 | PCB-173 | 2.0 | C171 B | 0.020 | 0.00047 |
| 38411-25-5 | PCB-174 | 6.6 | B | 0.0098 | 0.00048 |
| 40186-70-7 | PCB-175 | 0.28 | | 0.0098 | 0.00043 |
| 52663-65-7 | PCB-176 | 0.83 | B | 0.0098 | 0.00030 |
| 52663-70-4 | PCB-177 | 4.8 | B | 0.0098 | 0.00048 |
| 52663-67-9 | PCB-178 | 1.9 | B | 0.0098 | 0.00044 |
| 52663-64-6 | PCB-179 | 3.6 | B | 0.0098 | 0.00032 |
| 35065-29-3 | PCB-180 | 13 | C B | 0.020 | 0.00037 |
| 74472-47-2 | PCB-181 | 0.063 | | 0.0098 | 0.00041 |
| 60145-23-5 | PCB-182 | 0.11 | | 0.0098 | 0.00040 |
| 52663-69-1 | PCB-183 | 4.3 | C B | 0.020 | 0.00040 |
| 74472-48-3 | PCB-184 | ND | | 0.0098 | 0.00032 |
| 52712-05-7 | PCB-185 | 4.3 | B C183 | 0.020 | 0.00040 |
| 74472-49-4 | PCB-186 | ND | | 0.0098 | 0.00032 |
| 52663-68-0 | PCB-187 | 9.0 | B | 0.0098 | 0.00041 |
| 74487-85-7 | PCB-188 | 0.063 | | 0.0098 | 0.00031 |
| 39635-31-9 | PCB-189 | 0.21 | B | 0.0098 | 0.0016 |
| 41411-64-7 | PCB-190 | 1.2 | B | 0.0098 | 0.00033 |
| 74472-50-7 | PCB-191 | 0.26 | | 0.0098 | 0.00033 |
| 74472-51-8 | PCB-192 | ND | | 0.0098 | 0.00035 |
| 69782-91-8 | PCB-193 | 13 | C180 B | 0.020 | 0.00037 |
| 35694-08-7 | PCB-194 | 3.1 | B | 0.0098 | 0.0060 |
| 52663-78-2 | PCB-195 | 1.5 | B | 0.0098 | 0.0071 |
| 42740-50-1 | PCB-196 | 1.8 | B | 0.0098 | 0.00089 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 33091-17-7 | PCB-197 | 0.12 | B | 0.0098 | 0.00065 |
| 68194-17-2 | PCB-198 | 3.5 | C B | 0.020 | 0.00096 |
| 52663-75-9 | PCB-199 | 3.5 | C198 B | 0.020 | 0.00096 |
| 52663-73-7 | PCB-200 | 0.42 | | 0.0098 | 0.00069 |
| 40186-71-8 | PCB-201 | 0.45 | B | 0.0098 | 0.00066 |
| 2136-99-4 | PCB-202 | 0.72 | B | 0.0098 | 0.00074 |
| 52663-76-0 | PCB-203 | 2.2 | | 0.0098 | 0.00085 |
| 74472-52-9 | PCB-204 | ND | | 0.0098 | 0.00071 |
| 74472-53-0 | PCB-205 | 0.16 | | 0.0098 | 0.0045 |
| 40186-72-9 | PCB-206 | 2.0 | | 0.0098 | 0.0022 |
| 52663-79-3 | PCB-207 | 0.20 | | 0.0098 | 0.0016 |
| 52663-77-1 | PCB-208 | 0.59 | | 0.0098 | 0.0016 |
| 2051-24-3 | PCB-209 | 2.2 | | 0.0098 | 0.00065 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.061 | | 0.0098 | 0.00045 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.57 | B q | 0.020 | 0.00088 |
| 25323-68-6 | Total Trichlorobiphenyls | 4.4 | B q | 0.020 | 0.0038 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 39 | B q G | 0.044 | 0.044 |
| 25429-29-2 | Total Pentachlorobiphenyls | 110 | B | 0.059 | 0.0040 |
| 26601-64-9 | Total Hexachlorobiphenyls | 110 | B q | 0.039 | 0.0027 |
| 28655-71-2 | Total Heptachlorobiphenyls | 55 | B | 0.020 | 0.00045 |
| 55722-26-4 | Total Octachlorobiphenyls | 14 | B | 0.020 | 0.0022 |
| 53742-07-7 | Total Nonachlorobiphenyls | 2.8 | | 0.0098 | 0.0018 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 340 | B q | 0.059 | 0.0067 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719 RE  Lab Sample ID: 580-88908-31 RE

Matrix: Solid  Lab File ID: 580-88908-a-31-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 15.71(g)  Date Analyzed: 10/10/2019 06:10

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 71 | | 30-140 |
| 208263-77-8 | PCB-3L | 72 | | 30-140 |
| 234432-86-1 | PCB-4L | 68 | | 30-140 |
| 208263-67-6 | PCB-15L | 67 | | 30-140 |
| 234432-87-2 | PCB-19L | 70 | | 30-140 |
| 208263-79-0 | PCB-37L | 91 | | 30-140 |
| 234432-88-3 | PCB-54L | 73 | | 30-140 |
| 105600-23-5 | PCB-77L | 85 | | 30-140 |
| 208461-24-9 | PCB-81L | 79 | | 30-140 |
| 234432-89-4 | PCB-104L | 94 | | 30-140 |
| 208263-62-1 | PCB-105L | 88 | | 30-140 |
| 208263-63-2 | PCB-114L | 86 | | 30-140 |
| 104130-40-7 | PCB-118L | 90 | | 30-140 |
| 208263-64-3 | PCB-123L | 90 | | 30-140 |
| 208263-65-4 | PCB-126L | 100 | | 30-140 |
| 234432-90-7 | PCB-155L | 96 | | 30-140 |
| 208263-68-7 | PCB-156L | 86 | C | 30-140 |
| 235416-30-5 | PCB-157L | 86 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 86 | | 30-140 |
| 208263-70-1 | PCB-169L | 94 | | 30-140 |
| 160901-80-4 | PCB-170L | 85 | | 30-140 |
| 234432-91-8 | PCB-188L | 77 | | 30-140 |
| 208263-73-4 | PCB-189L | 105 | | 30-140 |
| 105600-26-8 | PCB-202L | 83 | | 30-140 |
| 234446-64-1 | PCB-205L | 81 | | 30-140 |
| 208263-75-6 | PCB-206L | 78 | | 30-140 |
| 234432-92-9 | PCB-208L | 84 | | 30-140 |
| 105600-27-9 | PCB-209L | 69 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 81 | | 40-125 |
| 235416-29-2 | PCB-111L | 90 | | 40-125 |
| 232919-67-4 | PCB-178L | 86 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d
Lims ID: 580-88908-A-31-F
Client ID: J5-SC1b-70to80-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 06:10:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 08:26:44 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1026

First Level Reviewer: davidsonm Date: 10-Oct-2019 08:26:44

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 6.105 | 6.105 | 0.0460 | 0.0460 | | |
| D PCB-1L | 11:45 | 3252646 | 3.07 | 1.3140 | 70.7 | 70.7 | 0.4986 | 0.4986 | 70.67 | |
| D PCB-3L | 13:56 | 3411304 | 3.17 | 1.3615 | 71.5 | 71.5 | 0.4812 | 0.4812 | 71.53 | |
| PCB-1 | 11:45 | 129123 | 3.22 | 1.1883 | 3.341 | 3.341 | 0.0441 | 0.0441 | | |
| PCB-2 | 13:46 | 30255 | 3.27 | 1.1911 | 0.7623 | 0.7623 | 0.0462 | 0.0462 | | M |
| PCB-3 | 13:57 | 82845 | 3.18 | 1.2130 | 2.002 | 2.002 | 0.0478 | 0.0478 | | |
| S Total Dichlorobiphenyls | | | | | 59.4 | 59.1 | 0.0901 | 0.0901 | | RQ |
| D PCB-4L | 14:11 | 1417686 | 1.60 | 0.5996 | 67.5 | 67.5 | 0.2094 | 0.2094 | 67.51 | |
| * PCB-9L | 16:11 | 3502503 | 1.59 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:08 | 2404108 | 1.58 | 1.0280 | 66.8 | 66.8 | 0.1221 | 0.1221 | 66.77 | |
| PCB-4 | 14:12 | 172692 | 1.65 | 1.2533 | 9.719 | 9.719 | 0.1194 | 0.1194 | | |
| PCB-10 | 14:22 | 9354 | 1.56 | 1.4828 | 0.4100 | 0.3301 | 0.0929 | 0.0929 | | RQ |
| PCB-9 | 16:12 | 48370 | 1.53 | 1.4200 | 1.783 | 1.783 | 0.0971 | 0.0971 | | |
| PCB-7 | 16:22 | 29856 | 1.56 | 1.6244 | 1.035 | 0.9619 | 0.0848 | 0.0848 | | RQ |
| PCB-6 | 16:36 | 247415 | 1.56 | 1.5539 | 8.332 | 8.332 | 0.0887 | 0.0887 | | |
| PCB-5 | 16:55 | 5934 | 1.56 | 1.5606 | 0.2621 | 0.1990 | 0.0883 | 0.0883 | | RQ |
| PCB-8 | 17:02 | 755194 | 1.57 | 1.5884 | 24.9 | 24.9 | 0.0868 | 0.0868 | | |
| PCB-14 | 18:41 | 3281 | 1.56 | 1.8738 | 0.1023 | 0.0916 | 0.0735 | 0.0735 | | RQ |
| PCB-11 | 19:32 | 37607 | 1.57 | 1.6347 | 1.204 | 1.204 | 0.0843 | 0.0843 | | M |
| PCB-12 | 19:49 | 88577 | 1.52 | 1.6410 | 2.825 | 2.825 | 0.0840 | 0.0840 | | |
| PCB-13 (C12) | 19:49 | 88577 | 1.52 | 1.6410 | 2.825 | 2.825 | 0.0840 | 0.0840 | | |
| PCB-15 | 20:09 | 297373 | 1.60 | 1.4024 | 8.820 | 8.820 | 0.0911 | 0.0911 | | M |
| S Total Trichlorobiphenyl | | | | | 446.5 | 446.4 | 0.3907 | 0.3907 | | RQ |
| D PCB-19L | 17:19 | 931711 | 1.04 | 0.6095 | 69.9 | 69.9 | 0.5942 | 0.5942 | 69.90 | |
| * PCB-32L | 20:36 | 2187006 | 1.09 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:53 | 6907420 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:11 | 6147900 | 1.08 | 1.0975 | 81.1 | 81.1 | 0.2140 | 0.2140 | 81.09 | |
| D PCB-37L | 27:13 | 5700351 | 1.08 | 0.9024 | 91.4 | 91.4 | 0.2602 | 0.2602 | 91.45 | |
| PCB-19 | 17:20 | 69158 | 1.14 | 1.3047 | 5.689 | 5.689 | 0.0501 | 0.0501 | | |
| PCB-18 | 19:14 | 879617 | 1.08 | 1.8188 | 51.9 | 51.9 | 0.0359 | 0.0359 | | |
| PCB-30 (C18) | 19:14 | 879617 | 1.08 | 1.8188 | 51.9 | 51.9 | 0.0359 | 0.0359 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:38 | 424301 | 1.08 | 1.5641 | 29.1 | 29.1 | 0.0418 | 0.0418 | | |
| PCB-27 | 19:52 | 77891 | 1.11 | 2.1680 | 3.856 | 3.856 | 0.0302 | 0.0302 | | |
| PCB-24 | 19:59 | 5963 | 1.04 | 2.1018 | 0.3936 | 0.3045 | 0.0311 | 0.0311 | | RQ |
| PCB-16 | 20:06 | 271788 | 1.09 | 1.2260 | 23.8 | 23.8 | 0.0533 | 0.0533 | | |
| PCB-32 | 20:38 | 452491 | 0.99 | 2.3416 | 20.7 | 20.7 | 0.0279 | 0.0279 | | |
| PCB-34 | 21:54 | 115689 | 1.16 | 1.2154 | 1.670 | 1.670 | 0.6241 | 0.6241 | | |
| PCB-23 | 21:59 | | | | | | 0.5985 | 0.5985 | | |
| PCB-26 | 22:22 | 1997850 | 1.09 | 1.3193 | 26.6 | 26.6 | 0.5750 | 0.5750 | | |
| PCB-29 (C26) | 22:22 | 1997850 | 1.09 | 1.3193 | 26.6 | 26.6 | 0.5750 | 0.5750 | | |
| PCB-25 | 22:36 | 1320207 | 1.07 | 1.3523 | 17.1 | 17.1 | 0.5610 | 0.5610 | | |
| PCB-31 | 22:55 | 5987209 | 1.08 | 1.3809 | 76.1 | 76.1 | 0.5494 | 0.5494 | | |
| PCB-20 | 23:12 | 7253663 | 1.07 | 1.3057 | 97.5 | 97.5 | 0.5810 | 0.5810 | | |
| PCB-28 (C20) | 23:12 | 7253663 | 1.07 | 1.3057 | 97.5 | 97.5 | 0.5810 | 0.5810 | | |
| PCB-21 | 23:27 | 3491857 | 1.08 | 1.3777 | 44.5 | 44.5 | 0.5506 | 0.5506 | | |
| PCB-33 (C21) | 23:27 | 3491857 | 1.08 | 1.3777 | 44.5 | 44.5 | 0.5506 | 0.5506 | | |
| PCB-22 | 23:50 | 1372022 | 1.07 | 1.2430 | 19.4 | 19.4 | 0.6103 | 0.6103 | | |
| PCB-36 | 25:25 | 97119 | 0.93 | 1.3468 | 1.265 | 1.265 | 0.5632 | 0.5632 | | |
| PCB-39 | 25:47 | 254214 | 1.12 | 1.3970 | 3.192 | 3.192 | 0.5430 | 0.5430 | | |
| PCB-38 | 26:15 | | | | | | 0.5757 | 0.5757 | | |
| PCB-35 | 26:50 | 253619 | 1.00 | 1.2166 | 3.657 | 3.657 | 0.6235 | 0.6235 | | |
| PCB-37 | 27:14 | 1483417 | 1.04 | 1.2879 | 20.2 | 20.2 | 0.5890 | 0.5890 | | |
| S Total Tetrachlorobiphen | | | | | 4021.5 | 4014.5 | 4.528 | 4.528 | | RQ |
| D PCB-54L | 20:25 | 1046776 | 0.82 | 0.6515 | 73.5 | 73.5 | 0.0861 | 0.0861 | 73.47 | |
| * PCB-52L | 25:02 | 3673816 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 34:01 | 3587250 | 0.79 | 1.2328 | 79.2 | 79.2 | 0.1960 | 0.1960 | 79.20 | |
| D PCB-77L | 34:34 | 3890102 | 0.82 | 1.2523 | 84.6 | 84.6 | 0.1930 | 0.1930 | 84.56 | |
| PCB-54 | 20:26 | 15104 | 0.77 | 1.2558 | 1.287 | 1.149 | 0.0179 | 0.0179 | | RQ |
| PCB-50 | 22:38 | 1337743 | 0.79 | 0.9362 | 38.2 | 38.2 | 5.838 | 5.838 | | |
| PCB-53 (C50) | 22:38 | 1337743 | 0.79 | 0.9362 | 38.2 | 38.2 | 5.838 | 5.838 | | |
| PCB-45 | 23:23 | 699969 | 0.77 | 0.8850 | 28.0 | 21.2 | 6.175 | 6.175 | | RQM |
| PCB-51 (C45) | 23:23 | 699969 | 0.77 | 0.8850 | 28.0 | 21.2 | 6.175 | 6.175 | | RQM |
| PCB-46 | 23:33 | | | | | | 7.199 | 7.199 | | |
| PCB-52 | 25:04 | 39294277 | 0.79 | 0.8992 | 1168.8 | 1168.8 | 6.077 | 6.077 | | M |
| PCB-43 | 25:11 | 408870 | 0.81 | 0.9993 | 10.9 | 10.9 | 5.469 | 5.469 | | Ma |
| PCB-73 (C43) | 25:11 | 408870 | 0.81 | 0.9993 | 10.9 | 10.9 | 5.469 | 5.469 | | Ma |
| PCB-49 | 25:33 | 19015770 | 0.80 | 1.1366 | 447.5 | 447.5 | 4.808 | 4.808 | | |
| PCB-69 (C49) | 25:33 | 19015770 | 0.80 | 1.1366 | 447.5 | 447.5 | 4.808 | 4.808 | | |
| PCB-48 | 25:50 | 857612 | 0.79 | 0.9454 | 24.3 | 24.3 | 5.781 | 5.781 | | |
| PCB-44 | 26:03 | 22564321 | 0.79 | 1.0323 | 584.7 | 584.7 | 5.294 | 5.294 | | |
| PCB-47 (C44) | 26:03 | 22564321 | 0.79 | 1.0323 | 584.7 | 584.7 | 5.294 | 5.294 | | |
| PCB-65 (C44) | 26:03 | 22564321 | 0.79 | 1.0323 | 584.7 | 584.7 | 5.294 | 5.294 | | |
| PCB-59 | 26:25 | 775997 | 0.80 | 1.3609 | 15.3 | 15.3 | 4.016 | 4.016 | | |
| PCB-62 (C59) | 26:25 | 775997 | 0.80 | 1.3609 | 15.3 | 15.3 | 4.016 | 4.016 | | |
| PCB-75 (C59) | 26:25 | 775997 | 0.80 | 1.3609 | 15.3 | 15.3 | 4.016 | 4.016 | | |
| PCB-42 | 26:35 | 2429054 | 0.79 | 0.8670 | 74.9 | 74.9 | 6.303 | 6.303 | | |
| PCB-40 | 27:04 | 4237496 | 0.79 | 0.9179 | 123.5 | 123.5 | 5.954 | 5.954 | | |
| PCB-41 (C40) | 27:04 | 4237496 | 0.79 | 0.9179 | 123.5 | 123.5 | 5.954 | 5.954 | | |
| PCB-71 (C40) | 27:04 | 4237496 | 0.79 | 0.9179 | 123.5 | 123.5 | 5.954 | 5.954 | | |
| PCB-64 | 27:18 | 5579911 | 0.79 | 1.4164 | 105.4 | 105.4 | 3.858 | 3.858 | | |
| PCB-72 | 28:09 | 2015772 | 0.80 | 1.3157 | 41.0 | 41.0 | 4.154 | 4.154 | | |
| PCB-68 | 28:27 | 2399094 | 0.80 | 1.4782 | 43.4 | 43.4 | 3.697 | 3.697 | | |
| PCB-57 | 28:44 | | | | | | 4.264 | 4.264 | | |
| PCB-58 | 29:03 | 189146 | 0.81 | 1.3214 | 3.829 | 3.829 | 4.136 | 4.136 | | Ma |
| PCB-67 | 29:09 | | | | | | 3.919 | 3.919 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:32 | 536618 | 0.84 | 1.4685 | 9.774 | 9.774 | 3.722 | 3.722 | | |
| PCB-61 | 29:52 | 41271268 | 0.79 | 1.3565 | 813.8 | 813.8 | 4.029 | 4.029 | | |
| PCB-70 (C61) | 29:52 | 41271268 | 0.79 | 1.3565 | 813.8 | 813.8 | 4.029 | 4.029 | | |
| PCB-74 (C61) | 29:52 | 41271268 | 0.79 | 1.3565 | 813.8 | 813.8 | 4.029 | 4.029 | | |
| PCB-76 (C61) | 29:52 | 41271268 | 0.79 | 1.3565 | 813.8 | 813.8 | 4.029 | 4.029 | | |
| PCB-66 | 30:11 | 15681503 | 0.79 | 1.2800 | 327.7 | 327.7 | 4.270 | 4.270 | | |
| PCB-55 | 30:14 | | | | | | 4.220 | 4.220 | | |
| PCB-56 | 30:51 | 4606502 | 0.79 | 1.2671 | 97.2 | 97.2 | 4.313 | 4.313 | | |
| PCB-60 | 31:04 | 1165301 | 0.80 | 1.3288 | 23.5 | 23.5 | 4.113 | 4.113 | | |
| PCB-80 | 31:22 | | | | | | 3.719 | 3.719 | | |
| PCB-79 | 33:02 | 1434654 | 0.78 | 1.5421 | 24.9 | 24.9 | 3.544 | 3.544 | | M |
| PCB-78 | 33:27 | | | | | | 4.156 | 4.156 | | |
| PCB-81 | 33:53 | | | | | | 4.326 | 4.326 | | |
| PCB-77 | 34:36 | 712703 | 0.80 | 1.3308 | 13.8 | 13.8 | 3.934 | 3.934 | | M |
| S Total Pentachlorobiphen | | | | | 11621 | 11621 | 0.4073 | 0.4073 | | |
| D PCB-104L | 25:59 | 2463166 | 1.61 | 1.1164 | 94.5 | 94.5 | 0.0220 | 0.0220 | 94.49 | |
| * PCB-101L | 31:55 | 2335020 | 1.67 | 3.4E+04 | 100.0 | 100.0 | | | | a |
| $ PCB-111L | 34:38 | 2557506 | 1.64 | 1.2177 | 89.9 | 89.9 | 0.0202 | 0.0202 | 89.95 | a |
| D PCB-123L | 36:35 | 4026786 | 1.59 | 0.9909 | 89.7 | 89.7 | 0.9543 | 0.9543 | 89.71 | a |
| D PCB-118L | 36:56 | 4190945 | 1.61 | 1.0256 | 90.2 | 90.2 | 0.9220 | 0.9220 | 90.22 | a |
| D PCB-114L | 37:27 | 3885899 | 1.66 | 1.0030 | 85.5 | 85.5 | 0.9428 | 0.9428 | 85.53 | a |
| D PCB-105L | 38:06 | 4011726 | 1.60 | 1.0013 | 88.5 | 88.5 | 0.9444 | 0.9444 | 88.45 | a |
| * PCB-127L | 39:36 | 4529660 | 1.60 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:12 | 4069821 | 1.60 | 0.9020 | 99.6 | 99.6 | 1.048 | 1.048 | 99.61 | a |
| PCB-104 | 25:55 | | | | | | 0.0339 | 0.0339 | | |
| PCB-96 | 26:22 | 329019 | 1.61 | 1.2268 | 10.9 | 10.9 | 0.0385 | 0.0385 | | |
| PCB-103 | 28:19 | 2080265 | 1.59 | 1.0331 | 81.8 | 81.8 | 0.0457 | 0.0457 | | |
| PCB-94 | 28:32 | 228221 | 1.66 | 0.9036 | 10.3 | 10.3 | 0.0523 | 0.0523 | | |
| PCB-95 | 28:59 | 38589400 | 1.58 | 0.9620 | 1628.5 | 1628.5 | 0.0491 | 0.0491 | | |
| PCB-93 | 29:13 | 1661009 | 1.60 | 0.9806 | 68.8 | 68.8 | 0.0482 | 0.0482 | | |
| PCB-100 (C93) | 29:13 | 1661009 | 1.60 | 0.9806 | 68.8 | 68.8 | 0.0482 | 0.0482 | | |
| PCB-98 | 29:21 | 1428735 | 1.54 | 0.9888 | 58.7 | 58.7 | 0.0478 | 0.0478 | | |
| PCB-102 (C98) | 29:21 | 1428735 | 1.54 | 0.9888 | 58.7 | 58.7 | 0.0478 | 0.0478 | | |
| PCB-88 | 29:52 | 9054687 | 1.58 | 1.0052 | 365.7 | 365.7 | 0.0470 | 0.0470 | | |
| PCB-91 (C88) | 29:52 | 9054687 | 1.58 | 1.0052 | 365.7 | 365.7 | 0.0470 | 0.0470 | | |
| PCB-84 | 30:04 | 9575865 | 1.58 | 0.8601 | 452.0 | 452.0 | 0.0549 | 0.0549 | | |
| PCB-89 | 30:33 | 224658 | 1.76 | 0.8936 | 10.2 | 10.2 | 0.0529 | 0.0529 | | |
| PCB-121 | 30:52 | | | | | | 0.0338 | 0.0338 | | |
| PCB-92 | 31:22 | 13770084 | 1.56 | 0.9532 | 586.5 | 586.5 | 0.0496 | 0.0496 | | a |
| PCB-90 | 31:57 | 58998313 | 1.59 | 1.1367 | 2107.2 | 2107.2 | 0.0416 | 0.0416 | | |
| PCB-101 (C90) | 31:57 | 58998313 | 1.59 | 1.1367 | 2107.2 | 2107.2 | 0.0416 | 0.0416 | | |
| PCB-113 (C90) | 31:57 | 58998313 | 1.59 | 1.1367 | 2107.2 | 2107.2 | 0.0416 | 0.0416 | | |
| PCB-83 | 32:32 | 31373208 | 1.57 | 0.9393 | 1356.0 | 1356.0 | 0.0503 | 0.0503 | | |
| PCB-99 (C83) | 32:32 | 31373208 | 1.57 | 0.9393 | 1356.0 | 1356.0 | 0.0503 | 0.0503 | | |
| PCB-112 | 32:31 | | | | | | 0.0346 | 0.0346 | | |
| PCB-86 | 33:02 | 29372520 | 1.56 | 1.1958 | 997.2 | 997.2 | 0.0395 | 0.0395 | | M |
| PCB-87 (C86) | 33:02 | 29372520 | 1.56 | 1.1958 | 997.2 | 997.2 | 0.0395 | 0.0395 | | M |
| PCB-97 (C86) | 33:02 | 29372520 | 1.56 | 1.1958 | 997.2 | 997.2 | 0.0395 | 0.0395 | | M |
| PCB-109 (C86) | 33:02 | 29372520 | 1.56 | 1.1958 | 997.2 | 997.2 | 0.0395 | 0.0395 | | M |
| PCB-119 (C86) | 33:02 | 29372520 | 1.56 | 1.1958 | 997.2 | 997.2 | 0.0395 | 0.0395 | | M |
| PCB-125 (C86) | 33:02 | 29372520 | 1.56 | 1.1958 | 997.2 | 997.2 | 0.0395 | 0.0395 | | M |
| PCB-85 | 33:45 | 6102731 | 1.58 | 1.2126 | 204.3 | 204.3 | 0.0390 | 0.0390 | | |
| PCB-116 (C85) | 33:45 | 6102731 | 1.58 | 1.2126 | 204.3 | 204.3 | 0.0390 | 0.0390 | | |
| PCB-117 (C85) | 33:45 | 6102731 | 1.58 | 1.2126 | 204.3 | 204.3 | 0.0390 | 0.0390 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:55 | 51650034 | 1.60 | 1.3511 | 1552.0 | 1552.0 | 0.0350 | 0.0350 | | |
| PCB-115 (C110) | 33:55 | 51650034 | 1.60 | 1.3511 | 1552.0 | 1552.0 | 0.0350 | 0.0350 | | |
| PCB-82 | 34:14 | 3182557 | 1.54 | 0.8675 | 148.9 | 148.9 | 0.0545 | 0.0545 | | |
| PCB-111 | 34:40 | 373700 | 1.65 | 1.4262 | 10.6 | 10.6 | 0.0331 | 0.0331 | | |
| PCB-120 | 35:07 | 984608 | 1.54 | 1.4907 | 26.8 | 26.8 | 0.0317 | 0.0317 | | |
| PCB-108 | 36:16 | 2719551 | 1.58 | 1.2547 | 53.7 | 53.7 | 1.211 | 1.211 | | |
| PCB-124 (C108) | 36:16 | 2719551 | 1.58 | 1.2547 | 53.7 | 53.7 | 1.211 | 1.211 | | |
| PCB-107 | 36:30 | 7661626 | 1.61 | 1.3580 | 139.8 | 139.8 | 1.118 | 1.118 | | M |
| PCB-123 | 36:35 | 926242 | 1.32 | 1.3407 | 17.2 | 17.2 | 1.171 | 1.171 | | Ma |
| PCB-106 | 36:34 | | | | | | 1.191 | 1.191 | | |
| PCB-118 | 36:57 | 67679939 | 1.60 | 1.2892 | 1252.7 | 1252.7 | 1.122 | 1.122 | | a |
| PCB-122 | 37:17 | 735968 | 1.59 | 1.1614 | 15.7 | 15.7 | 1.308 | 1.308 | | a |
| PCB-114 | 37:29 | 1365388 | 1.61 | 1.4051 | 25.0 | 25.0 | 1.136 | 1.136 | | Ma |
| PCB-105 | 38:07 | 22722528 | 1.56 | 1.2887 | 439.5 | 439.5 | 1.150 | 1.150 | | a |
| PCB-127 | 39:26 | | | | | | 1.183 | 1.183 | | U |
| PCB-126 | 41:15 | 81672 | 1.63 | 1.3416 | 1.496 | 1.496 | 1.124 | 1.124 | | Ma |
| S Total Hexachlorobipheny | | | | | 11186 | 11186 | 0.2784 | 0.2784 | | RQ |
| D PCB-155L | 31:42 | 2135261 | 1.32 | 0.9499 | 96.3 | 96.3 | 0.1105 | 0.1105 | 96.27 | |
| * PCB-138L | 40:03 | 3029608 | 1.29 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 43:05 | 3281691 | 1.26 | 1.2544 | 86.3 | 86.3 | 0.5082 | 0.5082 | 86.35 | |
| D PCB-156L | 44:13 | 6433203 | 1.28 | 1.2289 | 172.8 | 172.8 | 0.5187 | 0.5187 | 86.39 | |
| D PCB-157L (C156L) | 44:13 | 6433203 | 1.28 | 1.2289 | 172.8 | 172.8 | 0.5187 | 0.5187 | 86.39 | |
| D PCB-169L | 47:28 | 3115490 | 1.25 | 1.0883 | 94.5 | 94.5 | 0.5858 | 0.5858 | 94.49 | |
| PCB-155 | 31:42 | 50259 | 1.37 | 1.3028 | 1.807 | 1.807 | 0.0410 | 0.0410 | | |
| PCB-152 | 31:54 | 58270 | 1.29 | 1.2556 | 2.173 | 2.173 | 0.0425 | 0.0425 | | |
| PCB-150 | 32:04 | 870589 | 1.29 | 1.2368 | 33.0 | 33.0 | 0.0432 | 0.0432 | | |
| PCB-136 | 32:26 | 9660859 | 1.27 | 1.1563 | 391.3 | 391.3 | 0.0462 | 0.0462 | | |
| PCB-145 | 32:43 | 13876 | 1.24 | 1.1910 | 0.8122 | 0.5456 | 0.0448 | 0.0448 | | RQ |
| PCB-148 | 34:16 | 795196 | 1.29 | 0.8982 | 41.5 | 41.5 | 0.0595 | 0.0595 | | |
| PCB-135 | 34:52 | 18295463 | 1.26 | 0.8691 | 985.8 | 985.8 | 0.0614 | 0.0614 | | |
| PCB-151 (C135) | 34:52 | 18295463 | 1.26 | 0.8691 | 985.8 | 985.8 | 0.0614 | 0.0614 | | |
| PCB-154 | 35:07 | 3615636 | 1.29 | 1.0180 | 166.3 | 166.3 | 0.0525 | 0.0525 | | |
| PCB-144 | 35:25 | 1292681 | 1.22 | 0.9185 | 65.9 | 65.9 | 0.0581 | 0.0581 | | M |
| PCB-147 | 35:47 | 69179818 | 1.26 | 0.9747 | 2212.8 | 2212.8 | 0.4036 | 0.4036 | | |
| PCB-149 (C147) | 35:47 | 69179818 | 1.26 | 0.9747 | 2212.8 | 2212.8 | 0.4036 | 0.4036 | | |
| PCB-134 | 35:58 | 3789787 | 1.29 | 0.8518 | 138.7 | 138.7 | 0.4618 | 0.4618 | | a |
| PCB-143 (C134) | 35:58 | 3789787 | 1.29 | 0.8518 | 138.7 | 138.7 | 0.4618 | 0.4618 | | a |
| PCB-139 | 36:24 | 2225531 | 1.26 | 0.9995 | 69.4 | 69.4 | 0.3936 | 0.3936 | | |
| PCB-140 (C139) | 36:24 | 2225531 | 1.26 | 0.9995 | 69.4 | 69.4 | 0.3936 | 0.3936 | | |
| PCB-131 | 36:35 | 758616 | 1.27 | 0.8584 | 27.6 | 27.6 | 0.4582 | 0.4582 | | |
| PCB-142 | 36:36 | | | | | | 0.4576 | 0.4576 | | |
| PCB-132 | 37:03 | 19923265 | 1.25 | 0.8801 | 705.8 | 705.8 | 0.4470 | 0.4470 | | |
| PCB-133 | 37:34 | 3221995 | 1.26 | 0.9064 | 110.8 | 110.8 | 0.4340 | 0.4340 | | |
| PCB-165 | 37:49 | | | | | | 0.3509 | 0.3509 | | |
| PCB-146 | 38:13 | 22825277 | 1.25 | 1.0084 | 705.7 | 705.7 | 0.3901 | 0.3901 | | |
| PCB-161 | 38:12 | | | | | | 0.2942 | 0.2942 | | |
| PCB-153 | 38:50 | 78598679 | 1.27 | 1.2207 | 2007.4 | 2007.4 | 0.3223 | 0.3223 | | |
| PCB-168 (C153) | 38:50 | 78598679 | 1.27 | 1.2207 | 2007.4 | 2007.4 | 0.3223 | 0.3223 | | |
| PCB-141 | 39:01 | 10628467 | 1.26 | 0.9608 | 344.9 | 344.9 | 0.4094 | 0.4094 | | |
| PCB-130 | 39:26 | 3797681 | 1.27 | 0.8274 | 143.1 | 143.1 | 0.4754 | 0.4754 | | |
| PCB-137 | 39:39 | 2214752 | 1.26 | 1.0582 | 65.2 | 65.2 | 0.3717 | 0.3717 | | |
| PCB-164 | 39:46 | 5949844 | 1.26 | 1.2527 | 148.1 | 148.1 | 0.3140 | 0.3140 | | |
| PCB-129 | 40:05 | 71448912 | 1.26 | 1.0840 | 2054.9 | 2054.9 | 0.3629 | 0.3629 | | |
| PCB-138 (C129) | 40:05 | 71448912 | 1.26 | 1.0840 | 2054.9 | 2054.9 | 0.3629 | 0.3629 | | |
| PCB-160 (C129) | 40:05 | 71448912 | 1.26 | 1.0840 | 2054.9 | 2054.9 | 0.3629 | 0.3629 | | |
| PCB-163 (C129) | 40:05 | 71448912 | 1.26 | 1.0840 | 2054.9 | 2054.9 | 0.3629 | 0.3629 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:28 | 8019875 | 1.24 | 1.3862 | 180.4 | 180.4 | 0.2838 | 0.2838 | | |
| PCB-128 | 41:19 | 10108196 | 1.25 | 1.1165 | 282.3 | 282.3 | 0.3523 | 0.3523 | | |
| PCB-166 (C128) | 41:19 | 10108196 | 1.25 | 1.1165 | 282.3 | 282.3 | 0.3523 | 0.3523 | | |
| PCB-159 | 42:17 | 834010 | 1.22 | 1.3178 | 19.7 | 19.7 | 0.2985 | 0.2985 | | a |
| PCB-162 | 42:27 | | | | | | 0.2888 | 0.2888 | | |
| PCB-167 | 43:05 | 2896363 | 1.25 | 1.3357 | 66.1 | 66.1 | 0.2516 | 0.2516 | | |
| PCB-156 | 44:13 | 8824180 | 1.25 | 1.2759 | 215.0 | 215.0 | 0.3482 | 0.3482 | | |
| PCB-157 (C156) | 44:13 | 8824180 | 1.25 | 1.2759 | 215.0 | 215.0 | 0.3482 | 0.3482 | | |
| PCB-169 | 47:19 | | | | | | 0.2897 | 0.2897 | | |
| S Total Heptachlorobiphen | | | | | 5650.4 | 5650.4 | 0.0457 | 0.0457 | | |
| D PCB-188L | 37:26 | 2406205 | 1.07 | 1.3162 | 77.4 | 77.4 | 0.0905 | 0.0905 | 77.44 | |
| $ PCB-178L | 40:31 | 1882812 | 1.05 | 0.9222 | 86.5 | 86.5 | 0.1292 | 0.1292 | 86.48 | |
| * PCB-180L | 45:37 | 2360895 | 1.07 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:51 | 1671033 | 1.02 | 0.8357 | 84.7 | 84.7 | 0.1426 | 0.1426 | 84.69 | |
| D PCB-189L | 49:59 | 4354389 | 1.07 | 1.4666 | 105.4 | 105.4 | 0.6394 | 0.6394 | 105 | |
| PCB-188 | 37:28 | 192899 | 1.10 | 1.2502 | 6.412 | 6.412 | 0.0319 | 0.0319 | | |
| PCB-179 | 37:48 | 10587121 | 1.06 | 1.4149 | 367.1 | 367.1 | 0.0329 | 0.0329 | | |
| PCB-184 | 38:12 | | | | | | 0.0328 | 0.0328 | | |
| PCB-176 | 38:41 | 2644460 | 1.06 | 1.5212 | 85.3 | 85.3 | 0.0306 | 0.0306 | | |
| PCB-186 | 39:00 | | | | | | 0.0324 | 0.0324 | | |
| PCB-178 | 40:32 | 4153753 | 1.05 | 1.0228 | 199.2 | 199.2 | 0.0455 | 0.0455 | | |
| PCB-175 | 41:10 | 628714 | 1.06 | 1.0690 | 28.9 | 28.9 | 0.0435 | 0.0435 | | |
| PCB-187 | 41:27 | 20910154 | 1.05 | 1.1106 | 923.6 | 923.6 | 0.0419 | 0.0419 | | |
| PCB-182 | 41:38 | 259524 | 1.05 | 1.1484 | 11.1 | 11.1 | 0.0405 | 0.0405 | | |
| PCB-183 | 42:03 | 10240240 | 1.07 | 1.1368 | 441.8 | 441.8 | 0.0409 | 0.0409 | | |
| PCB-185 (C183) | 42:03 | 10240240 | 1.07 | 1.1368 | 441.8 | 441.8 | 0.0409 | 0.0409 | | |
| PCB-174 | 42:17 | 13098841 | 1.04 | 0.9547 | 673.0 | 673.0 | 0.0487 | 0.0487 | | |
| PCB-177 | 42:43 | 9449465 | 1.05 | 0.9426 | 491.8 | 491.8 | 0.0494 | 0.0494 | | |
| PCB-181 | 43:07 | 145706 | 0.99 | 1.1075 | 6.454 | 6.454 | 0.0420 | 0.0420 | | |
| PCB-171 | 43:21 | 4082384 | 1.05 | 0.9603 | 208.5 | 208.5 | 0.0485 | 0.0485 | | |
| PCB-173 (C171) | 43:21 | 4082384 | 1.05 | 0.9603 | 208.5 | 208.5 | 0.0485 | 0.0485 | | |
| PCB-172 | 44:59 | 2193880 | 1.06 | 0.9918 | 108.5 | 108.5 | 0.0469 | 0.0469 | | |
| PCB-192 | 45:06 | | | | | | 0.0361 | 0.0361 | | |
| PCB-180 | 45:38 | 33607490 | 1.05 | 1.2286 | 1341.8 | 1341.8 | 0.0379 | 0.0379 | | a |
| PCB-193 (C180) | 45:38 | 33607490 | 1.05 | 1.2286 | 1341.8 | 1341.8 | 0.0379 | 0.0379 | | a |
| PCB-191 | 45:59 | 754063 | 1.05 | 1.3848 | 26.7 | 26.7 | 0.0336 | 0.0336 | | |
| PCB-170 | 46:53 | 12462678 | 1.06 | 1.2700 | 587.2 | 587.2 | 0.0440 | 0.0440 | | |
| PCB-190 | 47:24 | 3407232 | 1.05 | 1.3774 | 121.3 | 121.3 | 0.0338 | 0.0338 | | |
| PCB-189 | 50:01 | 1209805 | 1.06 | 1.2799 | 21.7 | 21.7 | 0.1655 | 0.1655 | | |
| S Total Octachlorobipheny | | | | | 1432.8 | 1432.8 | 0.2219 | 0.2219 | | |
| D PCB-202L | 42:49 | 1974893 | 0.92 | 1.0055 | 83.2 | 83.2 | 0.1436 | 0.1436 | 83.19 | |
| * PCB-194L | 52:06 | 2815646 | 0.93 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:35 | 2940374 | 0.89 | 1.2867 | 81.2 | 81.2 | 0.4464 | 0.4464 | 81.16 | |
| PCB-202 | 42:50 | 1536479 | 0.92 | 1.0531 | 73.9 | 73.9 | 0.0760 | 0.0760 | | |
| PCB-201 | 43:46 | 1086320 | 0.86 | 1.1860 | 46.4 | 46.4 | 0.0674 | 0.0674 | | |
| PCB-204 | 44:18 | | | | | | 0.0727 | 0.0727 | | |
| PCB-197 | 44:40 | 302255 | 0.90 | 1.2053 | 12.7 | 12.7 | 0.0664 | 0.0664 | | |
| PCB-200 | 44:47 | 948977 | 0.90 | 1.1260 | 42.7 | 42.7 | 0.0710 | 0.0710 | | |
| PCB-198 | 47:35 | 5825640 | 0.92 | 0.8183 | 360.5 | 360.5 | 0.0977 | 0.0977 | | |
| PCB-199 (C198) | 47:35 | 5825640 | 0.92 | 0.8183 | 360.5 | 360.5 | 0.0977 | 0.0977 | | |
| PCB-196 | 48:15 | 3106190 | 0.91 | 0.8748 | 179.8 | 179.8 | 0.0914 | 0.0914 | | |
| PCB-203 | 48:26 | 4180227 | 0.91 | 0.9219 | 229.6 | 229.6 | 0.0868 | 0.0868 | | |
| PCB-195 | 49:45 | 3605776 | 0.90 | 0.7839 | 156.4 | 156.4 | 0.7307 | 0.7307 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 52:08 | 8593408 | 0.90 | 0.9282 | 314.9 | 314.9 | 0.6171 | 0.6171 | | |
| PCB-205 | 52:35 | 580181 | 0.90 | 1.2342 | 16.0 | 16.0 | 0.4641 | 0.4641 | | |
| S Total Nonachlorobipheny | | | | | 286.4 | 286.4 | 0.1822 | 0.1822 | | |
| D PCB-208L | 49:30 | 2688883 | 0.81 | 1.1383 | 83.9 | 83.9 | 0.3179 | 0.3179 | 83.90 | |
| D PCB-206L | 54:20 | 1960081 | 0.78 | 0.8938 | 77.9 | 77.9 | 0.4048 | 0.4048 | 77.88 | |
| PCB-208 | 49:31 | 1884721 | 0.78 | 1.1567 | 60.6 | 60.6 | 0.1647 | 0.1647 | | |
| PCB-207 | 50:27 | 678203 | 0.79 | 1.3964 | 20.9 | 20.9 | 0.1590 | 0.1590 | | |
| PCB-206 | 54:22 | 4789612 | 0.86 | 1.1927 | 204.9 | 204.9 | 0.2229 | 0.2229 | | |
| D PCB-209L | 55:59 | 1899936 | 0.72 | 0.9809 | 68.8 | 68.8 | 0.1070 | 0.1070 | 68.80 | |
| DCB Decachlorobiphenyl | 56:01 | 5268211 | 0.70 | 1.2455 | 222.6 | 222.6 | 0.0668 | 0.0668 | | |
| S Polychlorinated bipheny | | | | | 34927 | 222.6 | 0.6901 | 0.6901 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d
Lims ID: 580-88908-A-31-F
Client ID: J5-SC1b-70to80-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 06:10:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 08:26:44 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1026

First Level Reviewer: davidsonm Date: 10-Oct-2019 08:26:44

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:45 | 11:47 | -2 | 0.726 | 2453801 | 929995 | 826 | 2065 | 1126 | | |
| 202.0766 | 11:45 | 11:47 | -2 | 0.726 | 798845 | 302086 | 1825 | 4562 | 166 | 3.07(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:56 | 13:57 | 1 | 0.862 | 2592435 | 847534 | 826 | 2065 | 1026 | | |
| 202.0766 | 13:56 | 13:57 | 1 | 0.862 | 818869 | 265902 | 1825 | 4562 | 146 | 3.17(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:45 | 11:45 | -2 | 1.001 | 98545 | 35592 | 148 | 370 | 240 | | |
| 190.0363 | 11:45 | 11:45 | -2 | 1.001 | 30578 | 12482 | 110 | 275 | 113 | 3.22(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | M |
| 188.0393 | 13:46 | 13:47 | 0 | 0.988 | 23162 | 7585 | 148 | 370 | 51 | | |
| 190.0363 | 13:46 | 13:47 | 0 | 0.988 | 7093 | 2321 | 110 | 275 | 21 | 3.27(2.66-3.60) | M |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:57 | 1 | 1.001 | 63025 | 20631 | 148 | 370 | 139 | | |
| 190.0363 | 13:57 | 13:57 | 1 | 1.001 | 19820 | 6299 | 110 | 275 | 57 | 3.18(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:11 | 14:13 | 0 | 0.877 | 872413 | 293972 | 320 | 800 | 919 | | |
| 236.0376 | 14:11 | 14:13 | 0 | 0.877 | 545273 | 181794 | 188 | 470 | 967 | 1.60(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:11 | 16:09 | 1 | | 2151550 | 627539 | 320 | 800 | 1961 | | |
| 236.0376 | 16:11 | 16:09 | 1 | | 1350953 | 383982 | 188 | 470 | 2042 | 1.59(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:08 | 20:06 | 4 | 1.245 | 1473952 | 339475 | 320 | 800 | 1061 | | |
| 236.0376 | 20:08 | 20:06 | 4 | 1.245 | 930156 | 218053 | 188 | 470 | 1160 | 1.58(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:12 | 14:12 | 0 | 1.001 | 107588 | 36126 | 182 | 455 | 198 | | |
| 223.9974 | 14:12 | 14:12 | 0 | 1.001 | 65104 | 21673 | 103 | 257 | 210 | 1.65(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | RQ |
| 222.0003 | 14:22 | 14:22 | 0 | 1.013 | 7963 | 2198 | 182 | 455 | 12 | | |
| | Empc Correction | | | | 5700 | 1928 | 182 | 455 | 11 | | |
| 223.9974 | 14:23 | 14:22 | 1 | 1.014 | 3654 | 1236 | 103 | 257 | 12 | 2.18(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:12 | 16:10 | 1 | 1.142 | 29252 | 8295 | 182 | 455 | 46 | | |
| 223.9974 | 16:12 | 16:10 | 1 | 1.142 | 19118 | 5486 | 103 | 257 | 53 | 1.53(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | RQ |
| 222.0003 | 16:22 | 16:20 | 1 | 1.153 | 18194 | 5385 | 182 | 455 | 30 | | |
| 223.9974 | 16:22 | 16:20 | 2 | 1.154 | 13931 | 3358 | 103 | 257 | 33 | 1.31(1.33-1.79) | |
| | Empc Correction | | | | 11662 | 3451 | 103 | 257 | 34 | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:36 | 16:32 | 1 | 1.170 | 150642 | 42149 | 182 | 455 | 232 | | |
| 223.9974 | 16:36 | 16:32 | 1 | 1.170 | 96773 | 27265 | 103 | 257 | 265 | 1.56(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | RQ |
| 222.0003 | 16:55 | 16:53 | 2 | 1.193 | 5499 | 1395 | 182 | 455 | 8 | | |
| | Empc Correction | | | | 3616 | 1466 | 182 | 455 | 8 | | |
| 223.9974 | 16:54 | 16:53 | 1 | 1.191 | 2318 | 940 | 103 | 257 | 9 | 2.37(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:02 | 17:01 | 1 | 1.201 | 461140 | 130693 | 182 | 455 | 718 | | |
| 223.9974 | 17:02 | 17:01 | 1 | 1.201 | 294054 | 83971 | 103 | 257 | 815 | 1.57(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | RQ |
| 222.0003 | 18:41 | 18:42 | 3 | 0.928 | 2382 | 880 | 182 | 455 | 5 | | |
| | Empc Correction | | | | 1999 | 730 | 182 | 455 | 4 | | |
| 223.9974 | 18:41 | 18:42 | 3 | 0.928 | 1282 | 468 | 103 | 257 | 5 | 1.86(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | M |
| 222.0003 | 19:32 | 19:31 | 4 | 0.970 | 22955 | 5623 | 182 | 455 | 31 | | |
| 223.9974 | 19:31 | 19:31 | 3 | 0.969 | 14652 | 3895 | 103 | 257 | 38 | 1.57(1.33-1.79) | M |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:49 | 19:51 | 2 | 0.984 | 53471 | 9787 | 182 | 455 | 54 | | |
| 223.9974 | 19:49 | 19:51 | 2 | 0.984 | 35106 | 6368 | 103 | 257 | 62 | 1.52(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:49 | 19:51 | 2 | 0.984 | 53471 | 9787 | 182 | 455 | 54 | | |
| 223.9974 | 19:49 | 19:51 | 2 | 0.984 | 35106 | 6368 | 103 | 257 | 62 | 1.52(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | M |
| 222.0003 | 20:09 | 20:09 | 4 | 1.001 | 182994 | 39204 | 182 | 455 | 215 | | |
| 223.9974 | 20:09 | 20:09 | 4 | 1.001 | 114379 | 25053 | 103 | 257 | 243 | 1.60(1.33-1.79) | M |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:21 | 1 | 0.840 | 474242 | 134712 | 447 | 1117 | 301 | | |
| 269.9986 | 17:19 | 17:21 | 1 | 0.840 | 457469 | 132946 | 333 | 832 | 399 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:36 | 20:33 | 4 | | 1140206 | 277897 | 447 | 1117 | 622 | | |
| 269.9986 | 20:36 | 20:33 | 4 | | 1046800 | 260586 | 333 | 832 | 783 | 1.09(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:53 | 22:49 | 5 | | 3561921 | 791029 | 635 | 1587 | 1246 | | |
| 269.9986 | 22:53 | 22:49 | 5 | | 3345499 | 744839 | 808 | 2020 | 922 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:11 | 23:11 | 5 | 1.013 | 3198688 | 703230 | 635 | 1587 | 1107 | | |
| 269.9986 | 23:11 | 23:11 | 5 | 1.013 | 2949212 | 645830 | 808 | 2020 | 799 | 1.08(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:13 | 27:12 | 6 | 1.189 | 2955538 | 603237 | 635 | 1587 | 950 | | |
| 269.9986 | 27:13 | 27:12 | 6 | 1.189 | 2744813 | 562730 | 808 | 2020 | 696 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:20 | 17:20 | 1 | 1.002 | 36799 | 10289 | 29 | 72 | 355 | | |
| 257.9584 | 17:20 | 17:20 | 1 | 1.002 | 32359 | 9069 | 41 | 102 | 221 | 1.14(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:14 | 19:11 | 5 | 1.111 | 456533 | 114250 | 29 | 72 | 3940 | | |
| 257.9584 | 19:13 | 19:11 | 4 | 1.110 | 423084 | 104541 | 41 | 102 | 2550 | 1.08(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:14 | 19:11 | 5 | 1.111 | 456533 | 114250 | 29 | 72 | 3940 | | |
| 257.9584 | 19:13 | 19:11 | 4 | 1.110 | 423084 | 104541 | 41 | 102 | 2550 | 1.08(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:38 | 19:37 | 3 | 1.134 | 220224 | 53907 | 29 | 72 | 1859 | | |
| 257.9584 | 19:38 | 19:37 | 3 | 1.134 | 204077 | 51259 | 41 | 102 | 1250 | 1.08(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:52 | 19:50 | 3 | 1.147 | 40982 | 9642 | 29 | 72 | 332 | | |
| 257.9584 | 19:52 | 19:50 | 3 | 1.147 | 36909 | 8490 | 41 | 102 | 207 | 1.11(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | RQ |
| 255.9613 | 19:59 | 19:58 | 2 | 1.154 | 3040 | 1388 | 29 | 72 | 48 | | |
| 257.9584 | 19:59 | 19:58 | 2 | 1.154 | 4668 | 1404 | 41 | 102 | 34 | 0.65(0.88-1.20) | |
| | Empc Correction | | | | 2923 | 1334 | 41 | 102 | 33 | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:06 | 20:04 | 3 | 1.161 | 142036 | 34899 | 29 | 72 | 1203 | | |
| 257.9584 | 20:06 | 20:04 | 3 | 1.161 | 129752 | 30611 | 41 | 102 | 747 | 1.09(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:38 | 20:36 | 4 | 1.192 | 224687 | 54769 | 29 | 72 | 1889 | | |
| 257.9584 | 20:37 | 20:36 | 3 | 1.191 | 227804 | 54707 | 41 | 102 | 1334 | 0.99(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:54 | 21:52 | 5 | 1.265 | 62159 | 14470 | 1752 | 4380 | 8 | | |
| 257.9584 | 21:54 | 21:52 | 5 | 1.265 | 53530 | 12788 | 1786 | 4465 | 7 | 1.16(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:01 | | | | | | 1752 | 4380 | | | |
| 257.9584 | 22:01 | | | | | | 1786 | 4465 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:22 | 22:20 | 4 | 1.292 | 1039738 | 233686 | 1752 | 4380 | 133 | | |
| 257.9584 | 22:22 | 22:20 | 4 | 1.292 | 958112 | 215662 | 1786 | 4465 | 121 | 1.09(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:22 | 22:20 | 4 | 1.292 | 1039738 | 233686 | 1752 | 4380 | 133 | | |
| 257.9584 | 22:22 | 22:20 | 4 | 1.292 | 958112 | 215662 | 1786 | 4465 | 121 | 1.09(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:36 | 22:36 | 5 | 0.831 | 681638 | 148222 | 1752 | 4380 | 85 | | |
| 257.9584 | 22:36 | 22:36 | 5 | 0.830 | 638569 | 139049 | 1786 | 4465 | 78 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:55 | 22:55 | 5 | 0.842 | 3105032 | 697309 | 1752 | 4380 | 398 | | |
| 257.9584 | 22:55 | 22:55 | 5 | 0.842 | 2882177 | 651677 | 1786 | 4465 | 365 | 1.08(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:12 | 23:14 | 4 | 0.853 | 3753884 | 813831 | 1752 | 4380 | 465 | | |
| 257.9584 | 23:12 | 23:14 | 4 | 0.853 | 3499779 | 750868 | 1786 | 4465 | 420 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:12 | 23:14 | 4 | 0.853 | 3753884 | 813831 | 1752 | 4380 | 465 | | |
| 257.9584 | 23:12 | 23:14 | 4 | 0.853 | 3499779 | 750868 | 1786 | 4465 | 420 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:27 | 23:27 | 5 | 0.862 | 1811192 | 391833 | 1752 | 4380 | 224 | | |
| 257.9584 | 23:27 | 23:27 | 5 | 0.862 | 1680665 | 372856 | 1786 | 4465 | 209 | 1.08(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:27 | 23:27 | 5 | 0.862 | 1811192 | 391833 | 1752 | 4380 | 224 | | |
| 257.9584 | 23:27 | 23:27 | 5 | 0.862 | 1680665 | 372856 | 1786 | 4465 | 209 | 1.08(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:50 | 23:51 | 5 | 0.876 | 709794 | 159618 | 1752 | 4380 | 91 | | |
| 257.9584 | 23:50 | 23:51 | 5 | 0.876 | 662228 | 146642 | 1786 | 4465 | 82 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:25 | 25:25 | 6 | 0.934 | 46833 | 10942 | 1752 | 4380 | 6 | | |
| 257.9584 | 25:25 | 25:25 | 6 | 0.934 | 50286 | 9309 | 1786 | 4465 | 5 | 0.93(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:47 | 25:46 | 7 | 0.948 | 134427 | 25770 | 1752 | 4380 | 15 | | |
| 257.9584 | 25:47 | 25:46 | 7 | 0.948 | 119787 | 23377 | 1786 | 4465 | 13 | 1.12(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:21 | | | | | | 1752 | 4380 | | | |
| 257.9584 | 26:21 | | | | | | 1786 | 4465 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:50 | 26:50 | 6 | 0.986 | 127064 | 27582 | 1752 | 4380 | 16 | | |
| 257.9584 | 26:50 | 26:50 | 6 | 0.986 | 126555 | 26959 | 1786 | 4465 | 15 | 1.00(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:14 | 27:13 | 7 | 1.001 | 756487 | 152259 | 1752 | 4380 | 87 | | |
| 257.9584 | 27:14 | 27:13 | 7 | 1.001 | 726930 | 144660 | 1786 | 4465 | 81 | 1.04(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:25 | 20:27 | 3 | 0.816 | 471148 | 115076 | 112 | 280 | 1027 | | |
| 303.9597 | 20:25 | 20:27 | 3 | 0.816 | 575628 | 138191 | 9 | 22 | 15355 | 0.82(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 25:02 | 24:56 | 6 | | 1627059 | 338535 | 205 | 512 | 1651 | | |
| 303.9597 | 25:02 | 24:56 | 6 | | 2046757 | 424927 | 533 | 1332 | 797 | 0.79(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 34:01 | 34:00 | 9 | 1.359 | 1584575 | 289720 | 205 | 512 | 1413 | | |
| 303.9597 | 34:01 | 34:00 | 9 | 1.359 | 2002675 | 374896 | 533 | 1332 | 703 | 0.79(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:34 | 34:34 | 8 | 1.381 | 1747449 | 331274 | 205 | 512 | 1616 | | |
| 303.9597 | 34:34 | 34:34 | 8 | 1.381 | 2142653 | 394410 | 533 | 1332 | 740 | 0.82(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | RQ |
| 289.9224 | 20:26 | 20:24 | 2 | 1.000 | 6571 | 1526 | 14 | 35 | 109 | | |
| 291.9194 | 20:27 | 20:24 | 3 | 1.001 | 10349 | 2594 | 9 | 22 | 288 | 0.63(0.65-0.89) | |
| | Empc Correction | | | | 8533 | 1981 | 9 | 22 | 220 | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:38 | 22:38 | 3 | 1.108 | 590702 | 133539 | 6542 | 16355 | 20 | | |
| 291.9194 | 22:37 | 22:38 | 2 | 1.108 | 747041 | 164406 | 8654 | 21635 | 19 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:38 | 22:38 | 3 | 1.108 | 590702 | 133539 | 6542 | 16355 | 20 | | |
| 291.9194 | 22:37 | 22:38 | 2 | 1.108 | 747041 | 164406 | 8654 | 21635 | 19 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | RQM |
| 289.9224 | 23:23 | 23:22 | 5 | 1.145 | 529698 | 70730 | 6542 | 16355 | 11 | | M |
| | Empc Correction | | | | 304506 | 70227 | 6542 | 16355 | 11 | | |
| 291.9194 | 23:23 | 23:22 | 5 | 1.145 | 395463 | 91205 | 8654 | 21635 | 11 | 1.34(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | RQM |
| 289.9224 | 23:23 | 23:22 | 5 | 1.145 | 529698 | 70730 | 6542 | 16355 | 11 | | M |
| | Empc Correction | | | | 304506 | 70227 | 6542 | 16355 | 11 | | |
| 291.9194 | 23:23 | 23:22 | 5 | 1.145 | 395463 | 91205 | 8654 | 21635 | 11 | 1.34(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:36 | | | | | | 6542 | 16355 | | | |
| 291.9194 | 23:36 | | | | | | 8654 | 21635 | | | |
| PCB-52 | | | | | | | | | | | M |
| 289.9224 | 25:04 | 25:04 | 6 | 1.227 | 17282877 | 3546320 | 6542 | 16355 | 542 | | M |
| 291.9194 | 25:04 | 25:04 | 6 | 1.227 | 22011400 | 4523954 | 8654 | 21635 | 523 | 0.79(0.65-0.89) | M |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:11 | 25:11 | 5 | 1.233 | 182797 | 29612 | 6542 | 16355 | 5 | | M |
| 291.9194 | 25:12 | 25:11 | 5 | 1.234 | 226073 | 34392 | 8654 | 21635 | 4 | 0.81(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:11 | 25:11 | 5 | 1.233 | 182797 | 29612 | 6542 | 16355 | 5 | | M |
| 291.9194 | 25:12 | 25:11 | 5 | 1.234 | 226073 | 34392 | 8654 | 21635 | 4 | 0.81(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:33 | 25:29 | 8 | 1.251 | 8424858 | 1698353 | 6542 | 16355 | 260 | | |
| 291.9194 | 25:33 | 25:29 | 8 | 1.251 | 10590912 | 2136791 | 8654 | 21635 | 247 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:33 | 25:29 | 8 | 1.251 | 8424858 | 1698353 | 6542 | 16355 | 260 | | |
| 291.9194 | 25:33 | 25:29 | 8 | 1.251 | 10590912 | 2136791 | 8654 | 21635 | 247 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:50 | 25:48 | 6 | 1.265 | 377182 | 77901 | 6542 | 16355 | 12 | | |
| 291.9194 | 25:49 | 25:48 | 5 | 1.265 | 480430 | 97920 | 8654 | 21635 | 11 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:03 | 26:02 | 5 | 1.276 | 9949084 | 1387316 | 6542 | 16355 | 212 | | |
| 291.9194 | 26:03 | 26:02 | 5 | 1.276 | 12615237 | 1756694 | 8654 | 21635 | 203 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:03 | 26:02 | 5 | 1.276 | 9949084 | 1387316 | 6542 | 16355 | 212 | | |
| 291.9194 | 26:03 | 26:02 | 5 | 1.276 | 12615237 | 1756694 | 8654 | 21635 | 203 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:03 | 26:02 | 5 | 1.276 | 9949084 | 1387316 | 6542 | 16355 | 212 | | |
| 291.9194 | 26:03 | 26:02 | 5 | 1.276 | 12615237 | 1756694 | 8654 | 21635 | 203 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:25 | 26:20 | 8 | 1.293 | 345790 | 49107 | 6542 | 16355 | 8 | | |
| 291.9194 | 26:25 | 26:20 | 8 | 1.293 | 430207 | 61458 | 8654 | 21635 | 7 | 0.80(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:25 | 26:20 | 8 | 1.293 | 345790 | 49107 | 6542 | 16355 | 8 | | |
| 291.9194 | 26:25 | 26:20 | 8 | 1.293 | 430207 | 61458 | 8654 | 21635 | 7 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:25 | 26:20 | 8 | 1.293 | 345790 | 49107 | 6542 | 16355 | 8 | | |
| 291.9194 | 26:25 | 26:20 | 8 | 1.293 | 430207 | 61458 | 8654 | 21635 | 7 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:35 | 26:33 | 5 | 1.301 | 1069235 | 225702 | 6542 | 16355 | 35 | | |
| 291.9194 | 26:35 | 26:33 | 5 | 1.301 | 1359819 | 287615 | 8654 | 21635 | 33 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 27:04 | 27:03 | 5 | 1.326 | 1874576 | 371300 | 6542 | 16355 | 57 | | |
| 291.9194 | 27:04 | 27:03 | 5 | 1.326 | 2362920 | 469664 | 8654 | 21635 | 54 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 27:04 | 27:03 | 5 | 1.326 | 1874576 | 371300 | 6542 | 16355 | 57 | | |
| 291.9194 | 27:04 | 27:03 | 5 | 1.326 | 2362920 | 469664 | 8654 | 21635 | 54 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 27:04 | 27:03 | 5 | 1.326 | 1874576 | 371300 | 6542 | 16355 | 57 | | |
| 291.9194 | 27:04 | 27:03 | 5 | 1.326 | 2362920 | 469664 | 8654 | 21635 | 54 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:18 | 27:16 | 6 | 1.337 | 2468776 | 513595 | 6542 | 16355 | 79 | | |
| 291.9194 | 27:18 | 27:16 | 6 | 1.337 | 3111135 | 642820 | 8654 | 21635 | 74 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:09 | 28:10 | 7 | 0.828 | 894853 | 184978 | 6542 | 16355 | 28 | | |
| 291.9194 | 28:09 | 28:10 | 7 | 0.828 | 1120919 | 231545 | 8654 | 21635 | 27 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:27 | 28:27 | 8 | 0.836 | 1064367 | 211025 | 6542 | 16355 | 32 | | |
| 291.9194 | 28:27 | 28:27 | 8 | 0.836 | 1334727 | 263801 | 8654 | 21635 | 30 | 0.80(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:52 | | | | | | 6542 | 16355 | | | |
| 291.9194 | 28:52 | | | | | | 8654 | 21635 | | | |
| PCB-58 | | | | | | | | | | | Ma |
| 289.9224 | 29:03 | 29:03 | 4 | 0.854 | 84395 | 22406 | 6542 | 16355 | 3 | | M |
| 291.9194 | 29:03 | 29:03 | 4 | 0.854 | 104751 | 28754 | 8654 | 21635 | 3 | 0.81(0.65-0.89) | M |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:17 | | | | | | 6542 | 16355 | | | |
| 291.9194 | 29:17 | | | | | | 8654 | 21635 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:32 | 29:33 | 8 | 0.869 | 244912 | 50868 | 6542 | 16355 | 8 | | |
| 291.9194 | 29:32 | 29:33 | 8 | 0.869 | 291706 | 63019 | 8654 | 21635 | 7 | 0.84(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:52 | 29:53 | 7 | 0.878 | 18154056 | 3025971 | 6542 | 16355 | 463 | | |
| 291.9194 | 29:52 | 29:53 | 7 | 0.878 | 23117212 | 3887104 | 8654 | 21635 | 449 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:52 | 29:53 | 7 | 0.878 | 18154056 | 3025971 | 6542 | 16355 | 463 | | |
| 291.9194 | 29:52 | 29:53 | 7 | 0.878 | 23117212 | 3887104 | 8654 | 21635 | 449 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:52 | 29:53 | 7 | 0.878 | 18154056 | 3025971 | 6542 | 16355 | 463 | | |
| 291.9194 | 29:52 | 29:53 | 7 | 0.878 | 23117212 | 3887104 | 8654 | 21635 | 449 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:52 | 29:53 | 7 | 0.878 | 18154056 | 3025971 | 6542 | 16355 | 463 | | |
| 291.9194 | 29:52 | 29:53 | 7 | 0.878 | 23117212 | 3887104 | 8654 | 21635 | 449 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:11 | 30:13 | 7 | 0.888 | 6931190 | 1319343 | 6542 | 16355 | 202 | | |
| 291.9194 | 30:11 | 30:13 | 7 | 0.888 | 8750313 | 1651998 | 8654 | 21635 | 191 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:22 | | | | | | 6542 | 16355 | | | |
| 291.9194 | 30:22 | | | | | | 8654 | 21635 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:51 | 30:53 | 7 | 0.907 | 2035840 | 408644 | 6542 | 16355 | 62 | | |
| 291.9194 | 30:51 | 30:53 | 7 | 0.907 | 2570662 | 510380 | 8654 | 21635 | 59 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:04 | 31:06 | 7 | 0.914 | 519158 | 101307 | 6542 | 16355 | 15 | | |
| 291.9194 | 31:05 | 31:06 | 8 | 0.914 | 646143 | 127267 | 8654 | 21635 | 15 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:30 | | | | | | 6542 | 16355 | | | |
| 291.9194 | 31:30 | | | | | | 8654 | 21635 | | | |
| PCB-79 | | | | | | | | | | | M |
| 289.9224 | 33:02 | 33:02 | 8 | 0.971 | 627135 | 114974 | 6542 | 16355 | 18 | | M |
| 291.9194 | 33:02 | 33:02 | 8 | 0.971 | 807519 | 146665 | 8654 | 21635 | 17 | 0.78(0.65-0.89) | M |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:36 | | | | | | 6542 | 16355 | | | |
| 291.9194 | 33:36 | | | | | | 8654 | 21635 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 34:02 | | | | | | 6542 | 16355 | | | |
| 291.9194 | 34:02 | | | | | | 8654 | 21635 | | | |
| PCB-77 | | | | | | | | | | | M |
| 289.9224 | 34:36 | 34:35 | 9 | 1.001 | 317019 | 57489 | 6542 | 16355 | 9 | | M |
| 291.9194 | 34:36 | 34:35 | 9 | 1.001 | 395684 | 76024 | 8654 | 21635 | 9 | 0.80(0.65-0.89) | M |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:59 | 25:49 | 5 | 0.814 | 1518508 | 321634 | 33 | 82 | 9746 | | |
| 339.9178 | 25:59 | 25:49 | 5 | 0.814 | 944658 | 196996 | 11 | 27 | 17909 | 1.61(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | a |
| 337.9207 | 31:55 | 31:48 | 8 | | 1459507 | 280434 | 33 | 82 | 8498 | | a |
| 339.9178 | 31:55 | 31:48 | 8 | | 875513 | 167149 | 11 | 27 | 15195 | 1.67(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-111L | | | | | | | | | | | a |
| 337.9207 | 34:38 | 34:38 | 9 | 1.085 | 1587924 | 298110 | 33 | 82 | 9034 | | a |
| 339.9178 | 34:38 | 34:38 | 9 | 1.085 | 969582 | 175027 | 11 | 27 | 15912 | 1.64(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | a |
| 337.9207 | 36:35 | 36:35 | 9 | 1.146 | 2472696 | 460865 | 1838 | 4595 | 251 | | a |
| 339.9178 | 36:36 | 36:35 | 9 | 1.147 | 1554090 | 288572 | 1405 | 3512 | 205 | 1.59(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | a |
| 337.9207 | 36:56 | 36:56 | 9 | 1.157 | 2584113 | 503448 | 1838 | 4595 | 274 | | a |
| 339.9178 | 36:56 | 36:56 | 9 | 1.157 | 1606832 | 310344 | 1405 | 3512 | 221 | 1.61(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | a |
| 337.9207 | 37:27 | 37:27 | 10 | 1.173 | 2425749 | 461449 | 1838 | 4595 | 251 | | a |
| 339.9178 | 37:27 | 37:27 | 10 | 1.173 | 1460150 | 275703 | 1405 | 3512 | 196 | 1.66(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | a |
| 337.9207 | 38:06 | 38:06 | 10 | 1.193 | 2468252 | 486721 | 1838 | 4595 | 265 | | a |
| 339.9178 | 38:06 | 38:06 | 10 | 1.193 | 1543474 | 307235 | 1405 | 3512 | 219 | 1.60(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:36 | 39:25 | 10 | | 2786002 | 525841 | 1838 | 4595 | 286 | | |
| 339.9178 | 39:36 | 39:25 | 10 | | 1743658 | 331485 | 1405 | 3512 | 236 | 1.60(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | a |
| 337.9207 | 41:12 | 41:12 | 10 | 1.291 | 2503329 | 484358 | 1838 | 4595 | 264 | | a |
| 339.9178 | 41:12 | 41:12 | 10 | 1.291 | 1566492 | 296119 | 1405 | 3512 | 211 | 1.60(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 26:00 | | | | | | 52 | 130 | | | |
| 327.8775 | 26:00 | | | | | | 46 | 115 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:22 | 26:22 | 5 | 1.015 | 202930 | 42764 | 52 | 130 | 822 | | |
| 327.8775 | 26:22 | 26:22 | 5 | 1.015 | 126089 | 26661 | 46 | 115 | 580 | 1.61(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:19 | 28:19 | 6 | 1.090 | 1277609 | 254447 | 52 | 130 | 4893 | | |
| 327.8775 | 28:19 | 28:19 | 6 | 1.090 | 802656 | 163377 | 46 | 115 | 3552 | 1.59(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:32 | 28:32 | 6 | 1.099 | 142331 | 27522 | 52 | 130 | 529 | | |
| 327.8775 | 28:32 | 28:32 | 6 | 1.099 | 85890 | 16792 | 46 | 115 | 365 | 1.66(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:59 | 28:59 | 6 | 1.116 | 23628565 | 4793938 | 52 | 130 | 92191 | | |
| 327.8775 | 28:59 | 28:59 | 6 | 1.116 | 14960835 | 3004622 | 46 | 115 | 65318 | 1.58(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:13 | 29:12 | 7 | 1.125 | 1022017 | 186679 | 52 | 130 | 3590 | | |
| 327.8775 | 29:13 | 29:12 | 7 | 1.125 | 638992 | 117518 | 46 | 115 | 2555 | 1.60(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:13 | 29:12 | 7 | 1.125 | 1022017 | 186679 | 52 | 130 | 3590 | | |
| 327.8775 | 29:13 | 29:12 | 7 | 1.125 | 638992 | 117518 | 46 | 115 | 2555 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:21 | 29:21 | 6 | 1.130 | 867166 | 137974 | 52 | 130 | 2653 | | |
| 327.8775 | 29:21 | 29:21 | 6 | 1.130 | 561569 | 89892 | 46 | 115 | 1954 | 1.54(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:21 | 29:21 | 6 | 1.130 | 867166 | 137974 | 52 | 130 | 2653 | | |
| 327.8775 | 29:21 | 29:21 | 6 | 1.130 | 561569 | 89892 | 46 | 115 | 1954 | 1.54(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:52 | 29:51 | 7 | 1.150 | 5549421 | 1108846 | 52 | 130 | 21324 | | |
| 327.8775 | 29:51 | 29:51 | 6 | 1.149 | 3505266 | 703353 | 46 | 115 | 15290 | 1.58(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:52 | 29:51 | 7 | 1.150 | 5549421 | 1108846 | 52 | 130 | 21324 | | |
| 327.8775 | 29:51 | 29:51 | 6 | 1.149 | 3505266 | 703353 | 46 | 115 | 15290 | 1.58(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:04 | 30:04 | 6 | 1.157 | 5864045 | 1155288 | 52 | 130 | 22217 | | |
| 327.8775 | 30:04 | 30:04 | 6 | 1.157 | 3711820 | 737489 | 46 | 115 | 16032 | 1.58(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:33 | 30:33 | 6 | 1.176 | 143242 | 25473 | 52 | 130 | 490 | | |
| 327.8775 | 30:33 | 30:33 | 6 | 1.176 | 81416 | 15868 | 46 | 115 | 345 | 1.76(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:58 | | | | | | 52 | 130 | | | |
| 327.8775 | 30:58 | | | | | | 46 | 115 | | | |
| PCB-92 | | | | | | | | | | | a |
| 325.8804 | 31:22 | 31:22 | 8 | 0.857 | 8385689 | 1627367 | 52 | 130 | 31296 | | a |
| 327.8775 | 31:22 | 31:22 | 8 | 0.857 | 5384395 | 1052256 | 46 | 115 | 22875 | 1.56(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:57 | 31:55 | 8 | 1.230 | 36244709 | 6818735 | 52 | 130 | 131130 | | |
| 327.8775 | 31:57 | 31:55 | 8 | 1.230 | 22753604 | 4237455 | 46 | 115 | 92119 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:57 | 31:55 | 8 | 1.230 | 36244709 | 6818735 | 52 | 130 | 131130 | | |
| 327.8775 | 31:57 | 31:55 | 8 | 1.230 | 22753604 | 4237455 | 46 | 115 | 92119 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:57 | 31:55 | 8 | 1.230 | 36244709 | 6818735 | 52 | 130 | 131130 | | |
| 327.8775 | 31:57 | 31:55 | 8 | 1.230 | 22753604 | 4237455 | 46 | 115 | 92119 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:32 | 32:31 | 8 | 1.252 | 19172165 | 3379354 | 52 | 130 | 64988 | | |
| 327.8775 | 32:32 | 32:31 | 8 | 1.252 | 12201043 | 2144102 | 46 | 115 | 46611 | 1.57(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:32 | 32:31 | 8 | 1.252 | 19172165 | 3379354 | 52 | 130 | 64988 | | |
| 327.8775 | 32:32 | 32:31 | 8 | 1.252 | 12201043 | 2144102 | 46 | 115 | 46611 | 1.57(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:38 | | | | | | 52 | 130 | | | |
| 327.8775 | 32:38 | | | | | | 46 | 115 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 33:02 | 33:00 | 8 | 1.272 | 17907200 | 1782233 | 52 | 130 | 34274 | | M |
| 327.8775 | 33:02 | 33:00 | 8 | 1.272 | 11465320 | 1144248 | 46 | 115 | 24875 | 1.56(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 33:02 | 33:00 | 8 | 1.272 | 17907200 | 1782233 | 52 | 130 | 34274 | | M |
| 327.8775 | 33:02 | 33:00 | 8 | 1.272 | 11465320 | 1144248 | 46 | 115 | 24875 | 1.56(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 33:02 | 33:00 | 8 | 1.272 | 17907200 | 1782233 | 52 | 130 | 34274 | | M |
| 327.8775 | 33:02 | 33:00 | 8 | 1.272 | 11465320 | 1144248 | 46 | 115 | 24875 | 1.56(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 33:02 | 33:00 | 8 | 1.272 | 17907200 | 1782233 | 52 | 130 | 34274 | | M |
| 327.8775 | 33:02 | 33:00 | 8 | 1.272 | 11465320 | 1144248 | 46 | 115 | 24875 | 1.56(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 33:02 | 33:00 | 8 | 1.272 | 17907200 | 1782233 | 52 | 130 | 34274 | | M |
| 327.8775 | 33:02 | 33:00 | 8 | 1.272 | 11465320 | 1144248 | 46 | 115 | 24875 | 1.56(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 33:02 | 33:00 | 8 | 1.272 | 17907200 | 1782233 | 52 | 130 | 34274 | | M |
| 327.8775 | 33:02 | 33:00 | 8 | 1.272 | 11465320 | 1144248 | 46 | 115 | 24875 | 1.56(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:45 | 33:44 | 8 | 1.300 | 3736238 | 593185 | 52 | 130 | 11407 | | |
| 327.8775 | 33:45 | 33:44 | 8 | 1.300 | 2366493 | 372674 | 46 | 115 | 8102 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:45 | 33:44 | 8 | 1.300 | 3736238 | 593185 | 52 | 130 | 11407 | | |
| 327.8775 | 33:45 | 33:44 | 8 | 1.300 | 2366493 | 372674 | 46 | 115 | 8102 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:45 | 33:44 | 8 | 1.300 | 3736238 | 593185 | 52 | 130 | 11407 | | |
| 327.8775 | 33:45 | 33:44 | 8 | 1.300 | 2366493 | 372674 | 46 | 115 | 8102 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:55 | 33:58 | 4 | 1.306 | 31761112 | 5930552 | 52 | 130 | 114049 | | |
| 327.8775 | 33:55 | 33:58 | 4 | 1.306 | 19888922 | 3652064 | 46 | 115 | 79393 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:55 | 33:58 | 4 | 1.306 | 31761112 | 5930552 | 52 | 130 | 114049 | | |
| 327.8775 | 33:55 | 33:58 | 4 | 1.306 | 19888922 | 3652064 | 46 | 115 | 79393 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:14 | 34:14 | 7 | 1.318 | 1931041 | 345668 | 52 | 130 | 6647 | | |
| 327.8775 | 34:14 | 34:14 | 7 | 1.318 | 1251516 | 220932 | 46 | 115 | 4803 | 1.54(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:40 | 34:37 | 9 | 1.334 | 232931 | 37988 | 52 | 130 | 731 | | |
| 327.8775 | 34:40 | 34:37 | 9 | 1.334 | 140769 | 23395 | 46 | 115 | 509 | 1.65(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:07 | 35:05 | 9 | 1.352 | 597202 | 108729 | 52 | 130 | 2091 | | |
| 327.8775 | 35:07 | 35:05 | 9 | 1.352 | 387406 | 72422 | 46 | 115 | 1574 | 1.54(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:16 | 36:14 | 9 | 1.396 | 1664005 | 307157 | 2750 | 6875 | 112 | | |
| 327.8775 | 36:16 | 36:14 | 9 | 1.396 | 1055546 | 195994 | 1958 | 4895 | 100 | 1.58(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:16 | 36:14 | 9 | 1.396 | 1664005 | 307157 | 2750 | 6875 | 112 | | |
| 327.8775 | 36:16 | 36:14 | 9 | 1.396 | 1055546 | 195994 | 1958 | 4895 | 100 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:30 | 36:30 | 9 | 1.405 | 4729993 | 847280 | 2750 | 6875 | 308 | | M |
| 327.8775 | 36:30 | 36:30 | 9 | 1.405 | 2931633 | 542890 | 1958 | 4895 | 277 | 1.61(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:35 | 36:35 | 8 | 1.000 | 526754 | 127821 | 2750 | 6875 | 46 | | M |
| 327.8775 | 36:35 | 36:35 | 7 | 1.000 | 399488 | 94535 | 1958 | 4895 | 48 | 1.32(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:43 | | | | | | 2750 | 6875 | | | |
| 327.8775 | 36:43 | | | | | | 1958 | 4895 | | | |
| PCB-118 | | | | | | | | | | | a |
| 325.8804 | 36:57 | 36:57 | 9 | 1.001 | 41638136 | 7951092 | 2750 | 6875 | 2891 | | a |
| 327.8775 | 36:57 | 36:57 | 9 | 1.001 | 26041803 | 4930382 | 1958 | 4895 | 2518 | 1.60(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | a |
| 325.8804 | 37:17 | 37:17 | 9 | 1.010 | 452173 | 84470 | 2750 | 6875 | 31 | | a |
| 327.8775 | 37:17 | 37:17 | 9 | 1.010 | 283795 | 52926 | 1958 | 4895 | 27 | 1.59(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | Ma |
| 325.8804 | 37:29 | 37:29 | 10 | 1.001 | 842128 | 155226 | 2750 | 6875 | 56 | | M |
| 327.8775 | 37:29 | 37:29 | 10 | 1.001 | 523260 | 93753 | 1958 | 4895 | 48 | 1.61(1.32-1.78) | M |
| PCB-105 | | | | | | | | | | | a |
| 325.8804 | 38:07 | 38:07 | 10 | 1.001 | 13840566 | 2523688 | 2750 | 6875 | 918 | | a |
| 327.8775 | 38:07 | 38:07 | 10 | 1.001 | 8881962 | 1627590 | 1958 | 4895 | 831 | 1.56(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | U |
| 325.8804 | 39:26 | | | | | | 2750 | 6875 | | | |
| 327.8775 | 39:26 | | | | | | 1958 | 4895 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 41:15 | 41:15 | 12 | 1.001 | 50667 | 13244 | 2750 | 6875 | 5 | | M |
| 327.8775 | 41:14 | 41:15 | 11 | 1.001 | 31005 | 8228 | 1958 | 4895 | 4 | 1.63(1.32-1.78) | M |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:42 | 31:42 | 7 | 0.791 | 1214125 | 233882 | 90 | 225 | 2599 | | |
| 373.8788 | 31:42 | 31:42 | 7 | 0.791 | 921136 | 178073 | 98 | 245 | 1817 | 1.32(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 40:03 | 39:54 | 10 | | 1708390 | 329040 | 600 | 1500 | 548 | | |
| 373.8788 | 40:03 | 39:54 | 9 | | 1321218 | 251668 | 881 | 2202 | 286 | 1.29(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 43:05 | 43:05 | 10 | 1.075 | 1830125 | 339981 | 600 | 1500 | 567 | | |
| 373.8788 | 43:05 | 43:05 | 10 | 1.075 | 1451566 | 273663 | 881 | 2202 | 311 | 1.26(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:13 | 44:14 | 10 | 1.104 | 3615817 | 514593 | 600 | 1500 | 858 | | |
| 373.8788 | 44:13 | 44:14 | 10 | 1.104 | 2817386 | 413649 | 881 | 2202 | 470 | 1.28(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:13 | 44:14 | 10 | 1.104 | 3615817 | 514593 | 600 | 1500 | 858 | | |
| 373.8788 | 44:13 | 44:14 | 10 | 1.104 | 2817386 | 413649 | 881 | 2202 | 470 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:28 | 47:28 | 11 | 1.185 | 1732724 | 301367 | 600 | 1500 | 502 | | |
| 373.8788 | 47:27 | 47:28 | 10 | 1.185 | 1382766 | 253559 | 881 | 2202 | 288 | 1.25(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:42 | 31:42 | 7 | 1.000 | 29046 | 6399 | 48 | 120 | 133 | | |
| 361.8385 | 31:43 | 31:42 | 8 | 1.001 | 21213 | 4123 | 40 | 100 | 103 | 1.37(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:54 | 31:54 | 7 | 1.006 | 32788 | 7260 | 48 | 120 | 151 | | |
| 361.8385 | 31:55 | 31:54 | 8 | 1.007 | 25482 | 4712 | 40 | 100 | 118 | 1.29(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:04 | 32:05 | 7 | 1.012 | 489689 | 94182 | 48 | 120 | 1962 | | |
| 361.8385 | 32:04 | 32:05 | 7 | 1.012 | 380900 | 72836 | 40 | 100 | 1821 | 1.29(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:26 | 32:25 | 8 | 1.023 | 5396683 | 1016642 | 48 | 120 | 21180 | | |
| 361.8385 | 32:25 | 32:25 | 7 | 1.023 | 4264176 | 813955 | 40 | 100 | 20349 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQ |
| 359.8415 | 32:43 | 32:44 | 7 | 1.033 | 14460 | 2418 | 48 | 120 | 50 | | |
| | Empc Correction | | | | 7681 | 1331 | 48 | 120 | 28 | | |
| 361.8385 | 32:43 | 32:44 | 7 | 1.033 | 6195 | 1074 | 40 | 100 | 27 | 2.33(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:16 | 34:16 | 8 | 1.081 | 447434 | 85489 | 48 | 120 | 1781 | | |
| 361.8385 | 34:16 | 34:16 | 8 | 1.081 | 347762 | 68824 | 40 | 100 | 1721 | 1.29(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:52 | 34:50 | 9 | 1.100 | 10187199 | 1228249 | 48 | 120 | 25589 | | |
| 361.8385 | 34:52 | 34:50 | 9 | 1.100 | 8108264 | 975284 | 40 | 100 | 24382 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:52 | 34:50 | 9 | 1.100 | 10187199 | 1228249 | 48 | 120 | 25589 | | |
| 361.8385 | 34:52 | 34:50 | 9 | 1.100 | 8108264 | 975284 | 40 | 100 | 24382 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:07 | 35:06 | 8 | 1.108 | 2036170 | 384057 | 48 | 120 | 8001 | | |
| 361.8385 | 35:07 | 35:06 | 8 | 1.108 | 1579466 | 296100 | 40 | 100 | 7403 | 1.29(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | M |
| 359.8415 | 35:25 | 35:25 | 8 | 1.118 | 711171 | 182515 | 48 | 120 | 3802 | | M |
| 361.8385 | 35:25 | 35:25 | 8 | 1.118 | 581510 | 148980 | 40 | 100 | 3725 | 1.22(1.05-1.43) | M |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:47 | 35:46 | 8 | 1.129 | 38590760 | 7414305 | 547 | 1367 | 13554 | | |
| 361.8385 | 35:47 | 35:46 | 8 | 1.129 | 30589058 | 5870823 | 278 | 695 | 21118 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:47 | 35:46 | 8 | 1.129 | 38590760 | 7414305 | 547 | 1367 | 13554 | | |
| 361.8385 | 35:47 | 35:46 | 8 | 1.129 | 30589058 | 5870823 | 278 | 695 | 21118 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:58 | 35:58 | 2 | 1.135 | 2136597 | 368114 | 547 | 1367 | 673 | | a |
| 361.8385 | 35:58 | 35:58 | 2 | 1.135 | 1653190 | 293144 | 278 | 695 | 1054 | 1.29(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:58 | 35:58 | 2 | 1.135 | 2136597 | 368114 | 547 | 1367 | 673 | | a |
| 361.8385 | 35:58 | 35:58 | 2 | 1.135 | 1653190 | 293144 | 278 | 695 | 1054 | 1.29(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:24 | 36:23 | 9 | 1.148 | 1242680 | 213384 | 547 | 1367 | 390 | | |
| 361.8385 | 36:24 | 36:23 | 9 | 1.148 | 982851 | 168225 | 278 | 695 | 605 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:24 | 36:23 | 9 | 1.148 | 1242680 | 213384 | 547 | 1367 | 390 | | |
| 361.8385 | 36:24 | 36:23 | 9 | 1.148 | 982851 | 168225 | 278 | 695 | 605 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:35 | 36:34 | 8 | 1.154 | 424495 | 76423 | 547 | 1367 | 140 | | |
| 361.8385 | 36:35 | 36:34 | 8 | 1.154 | 334121 | 61818 | 278 | 695 | 222 | 1.27(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:44 | | | | | | 547 | 1367 | | | |
| 361.8385 | 36:44 | | | | | | 278 | 695 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 37:03 | 37:02 | 9 | 1.169 | 11079639 | 2115256 | 547 | 1367 | 3867 | | |
| 361.8385 | 37:03 | 37:02 | 9 | 1.169 | 8843626 | 1677760 | 278 | 695 | 6035 | 1.25(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:34 | 37:33 | 10 | 1.186 | 1793522 | 342075 | 547 | 1367 | 625 | | |
| 361.8385 | 37:34 | 37:33 | 10 | 1.186 | 1428473 | 275321 | 278 | 695 | 990 | 1.26(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:58 | | | | | | 547 | 1367 | | | |
| 361.8385 | 37:58 | | | | | | 278 | 695 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:13 | 38:12 | 10 | 0.887 | 12695629 | 2337853 | 547 | 1367 | 4274 | | |
| 361.8385 | 38:13 | 38:12 | 10 | 0.887 | 10129648 | 1852932 | 278 | 695 | 6665 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:21 | | | | | | 547 | 1367 | | | |
| 361.8385 | 38:21 | | | | | | 278 | 695 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:50 | 38:52 | 7 | 0.901 | 43939355 | 8534406 | 547 | 1367 | 15602 | | |
| 361.8385 | 38:50 | 38:52 | 7 | 0.901 | 34659324 | 6713246 | 278 | 695 | 24148 | 1.27(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:50 | 38:52 | 7 | 0.901 | 43939355 | 8534406 | 547 | 1367 | 15602 | | |
| 361.8385 | 38:50 | 38:52 | 7 | 0.901 | 34659324 | 6713246 | 278 | 695 | 24148 | 1.27(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 39:01 | 39:01 | 10 | 0.906 | 5922635 | 1117298 | 547 | 1367 | 2043 | | |
| 361.8385 | 39:01 | 39:01 | 10 | 0.906 | 4705832 | 890053 | 278 | 695 | 3202 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:26 | 39:15 | 9 | 0.915 | 2123775 | 386033 | 547 | 1367 | 706 | | |
| 361.8385 | 39:26 | 39:15 | 9 | 0.915 | 1673906 | 306777 | 278 | 695 | 1104 | 1.27(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:39 | 39:28 | 10 | 0.920 | 1236470 | 262494 | 547 | 1367 | 480 | | |
| 361.8385 | 39:39 | 39:28 | 10 | 0.920 | 978282 | 207552 | 278 | 695 | 747 | 1.26(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:46 | 39:47 | 9 | 0.923 | 3312462 | 582774 | 547 | 1367 | 1065 | | |
| 361.8385 | 39:46 | 39:47 | 9 | 0.923 | 2637382 | 464045 | 278 | 695 | 1669 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 40:05 | 40:06 | 9 | 0.930 | 39810589 | 7316909 | 547 | 1367 | 13376 | | |
| 361.8385 | 40:05 | 40:06 | 9 | 0.930 | 31638323 | 5784148 | 278 | 695 | 20806 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 40:05 | 40:06 | 9 | 0.930 | 39810589 | 7316909 | 547 | 1367 | 13376 | | |
| 361.8385 | 40:05 | 40:06 | 9 | 0.930 | 31638323 | 5784148 | 278 | 695 | 20806 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 40:05 | 40:06 | 9 | 0.930 | 39810589 | 7316909 | 547 | 1367 | 13376 | | |
| 361.8385 | 40:05 | 40:06 | 9 | 0.930 | 31638323 | 5784148 | 278 | 695 | 20806 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 40:05 | 40:06 | 9 | 0.930 | 39810589 | 7316909 | 547 | 1367 | 13376 | | |
| 361.8385 | 40:05 | 40:06 | 9 | 0.930 | 31638323 | 5784148 | 278 | 695 | 20806 | 1.26(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:28 | 40:17 | 9 | 0.939 | 4439971 | 793602 | 547 | 1367 | 1451 | | |
| 361.8385 | 40:28 | 40:17 | 9 | 0.939 | 3579904 | 634732 | 278 | 695 | 2283 | 1.24(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:19 | 41:19 | 10 | 0.959 | 5614479 | 958797 | 547 | 1367 | 1753 | | |
| 361.8385 | 41:19 | 41:19 | 10 | 0.959 | 4493717 | 763537 | 278 | 695 | 2747 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:19 | 41:19 | 10 | 0.959 | 5614479 | 958797 | 547 | 1367 | 1753 | | |
| 361.8385 | 41:19 | 41:19 | 10 | 0.959 | 4493717 | 763537 | 278 | 695 | 2747 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | a |
| 359.8415 | 42:17 | 42:17 | 7 | 0.981 | 457964 | 80860 | 547 | 1367 | 148 | | a |
| 361.8385 | 42:17 | 42:17 | 7 | 0.981 | 376046 | 65812 | 278 | 695 | 237 | 1.22(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:37 | | | | | | 547 | 1367 | | | |
| 361.8385 | 42:37 | | | | | | 278 | 695 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:05 | 43:06 | 10 | 1.000 | 1610374 | 294039 | 547 | 1367 | 538 | | |
| 361.8385 | 43:05 | 43:06 | 10 | 1.000 | 1285989 | 238902 | 278 | 695 | 859 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:13 | 44:14 | 9 | 1.000 | 4898892 | 825969 | 547 | 1367 | 1510 | | |
| 361.8385 | 44:13 | 44:14 | 9 | 1.000 | 3925288 | 659823 | 278 | 695 | 2373 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:13 | 44:14 | 9 | 1.000 | 4898892 | 825969 | 547 | 1367 | 1510 | | |
| 361.8385 | 44:13 | 44:14 | 9 | 1.000 | 3925288 | 659823 | 278 | 695 | 2373 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:30 | | | | | | 547 | 1367 | | | |
| 361.8385 | 47:30 | | | | | | 278 | 695 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:26 | 37:26 | 8 | 0.821 | 1242765 | 232393 | 99 | 247 | 2347 | | |
| 407.8398 | 37:26 | 37:26 | 8 | 0.821 | 1163440 | 223917 | 109 | 272 | 2054 | 1.07(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:31 | 40:30 | 10 | 0.888 | 963296 | 184823 | 99 | 247 | 1867 | | |
| 407.8398 | 40:31 | 40:30 | 10 | 0.888 | 919516 | 171891 | 109 | 272 | 1577 | 1.05(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:37 | 45:27 | 10 | | 1222370 | 225781 | 99 | 247 | 2281 | | |
| 407.8398 | 45:37 | 45:27 | 10 | | 1138525 | 210656 | 109 | 272 | 1933 | 1.07(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:51 | 46:52 | 9 | 1.027 | 844988 | 162821 | 99 | 247 | 1645 | | |
| 407.8398 | 46:51 | 46:52 | 9 | 1.027 | 826045 | 163175 | 109 | 272 | 1497 | 1.02(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:59 | 50:00 | 9 | 1.096 | 2248194 | 406664 | 573 | 1432 | 710 | | |
| 407.8398 | 50:00 | 50:00 | 10 | 1.096 | 2106195 | 393747 | 1321 | 3302 | 298 | 1.07(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:28 | 37:28 | 8 | 1.001 | 100977 | 19189 | 26 | 65 | 738 | | |
| 395.7995 | 37:28 | 37:28 | 8 | 1.001 | 91922 | 17865 | 47 | 117 | 380 | 1.10(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:48 | 37:48 | 8 | 1.009 | 5441319 | 1036811 | 26 | 65 | 39877 | | |
| 395.7995 | 37:48 | 37:48 | 8 | 1.009 | 5145802 | 977952 | 47 | 117 | 20807 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:20 | | | | | | 26 | 65 | | | |
| 395.7995 | 38:20 | | | | | | 47 | 117 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:41 | 38:40 | 9 | 1.033 | 1361631 | 261284 | 26 | 65 | 10049 | | |
| 395.7995 | 38:41 | 38:40 | 9 | 1.033 | 1282829 | 244529 | 47 | 117 | 5203 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:08 | | | | | | 26 | 65 | | | |
| 395.7995 | 39:08 | | | | | | 47 | 117 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:32 | 40:31 | 10 | 1.083 | 2130178 | 399264 | 26 | 65 | 15356 | | |
| 395.7995 | 40:32 | 40:31 | 10 | 1.083 | 2023575 | 380898 | 47 | 117 | 8104 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:10 | 41:09 | 10 | 1.100 | 324105 | 63561 | 26 | 65 | 2445 | | |
| 395.7995 | 41:10 | 41:09 | 10 | 1.100 | 304609 | 57468 | 47 | 117 | 1223 | 1.06(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:27 | 41:26 | 10 | 1.107 | 10715577 | 1967951 | 26 | 65 | 75690 | | |
| 395.7995 | 41:27 | 41:26 | 10 | 1.107 | 10194577 | 1872936 | 47 | 117 | 39850 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:38 | 41:38 | 9 | 1.112 | 132823 | 20915 | 26 | 65 | 804 | | |
| 395.7995 | 41:38 | 41:38 | 9 | 1.112 | 126701 | 20555 | 47 | 117 | 437 | 1.05(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 42:03 | 42:03 | 9 | 1.123 | 5288607 | 863138 | 26 | 65 | 33198 | | |
| 395.7995 | 42:03 | 42:03 | 9 | 1.123 | 4951633 | 822875 | 47 | 117 | 17508 | 1.07(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 42:03 | 42:03 | 9 | 1.123 | 5288607 | 863138 | 26 | 65 | 33198 | | |
| 395.7995 | 42:03 | 42:03 | 9 | 1.123 | 4951633 | 822875 | 47 | 117 | 17508 | 1.07(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:17 | 42:17 | 9 | 1.129 | 6682383 | 1246764 | 26 | 65 | 47952 | | |
| 395.7995 | 42:17 | 42:17 | 9 | 1.129 | 6416458 | 1176973 | 47 | 117 | 25042 | 1.04(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:43 | 42:43 | 9 | 1.141 | 4844557 | 897341 | 26 | 65 | 34513 | | |
| 395.7995 | 42:43 | 42:43 | 9 | 1.141 | 4604908 | 856723 | 47 | 117 | 18228 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:07 | 42:56 | 9 | 1.152 | 72518 | 11907 | 26 | 65 | 458 | | |
| 395.7995 | 43:07 | 42:56 | 9 | 1.152 | 73188 | 11128 | 47 | 117 | 237 | 0.99(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:21 | 43:21 | 10 | 1.158 | 2087838 | 386214 | 26 | 65 | 14854 | | |
| 395.7995 | 43:21 | 43:21 | 10 | 1.158 | 1994546 | 362407 | 47 | 117 | 7711 | 1.05(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:21 | 43:21 | 10 | 1.158 | 2087838 | 386214 | 26 | 65 | 14854 | | |
| 395.7995 | 43:21 | 43:21 | 10 | 1.158 | 1994546 | 362407 | 47 | 117 | 7711 | 1.05(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:59 | 44:58 | 10 | 0.900 | 1131292 | 210189 | 26 | 65 | 8084 | | |
| 395.7995 | 44:58 | 44:58 | 9 | 0.900 | 1062588 | 198786 | 47 | 117 | 4229 | 1.06(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:15 | | | | | | 26 | 65 | | | |
| 395.7995 | 45:15 | | | | | | 47 | 117 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:38 | 45:38 | 13 | 0.913 | 17194398 | 3034187 | 26 | 65 | 116700 | | a |
| 395.7995 | 45:38 | 45:38 | 13 | 0.913 | 16413092 | 2885896 | 47 | 117 | 61402 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:38 | 45:38 | 13 | 0.913 | 17194398 | 3034187 | 26 | 65 | 116700 | | a |
| 395.7995 | 45:38 | 45:38 | 13 | 0.913 | 16413092 | 2885896 | 47 | 117 | 61402 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:59 | 45:59 | 9 | 0.920 | 386498 | 69638 | 26 | 65 | 2678 | | |
| 395.7995 | 45:59 | 45:59 | 9 | 0.920 | 367565 | 62532 | 47 | 117 | 1330 | 1.05(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:53 | 46:52 | 10 | 0.938 | 6400683 | 1196172 | 26 | 65 | 46007 | | |
| 395.7995 | 46:53 | 46:52 | 10 | 0.938 | 6061995 | 1128325 | 47 | 117 | 24007 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:24 | 47:24 | 10 | 0.948 | 1747602 | 320430 | 26 | 65 | 12324 | | |
| 395.7995 | 47:24 | 47:24 | 10 | 0.948 | 1659630 | 306201 | 47 | 117 | 6515 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 50:01 | 49:49 | 10 | 1.001 | 623736 | 112515 | 385 | 962 | 292 | | |
| 395.7995 | 50:00 | 49:49 | 9 | 1.001 | 586069 | 105845 | 293 | 732 | 361 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:49 | 42:49 | 8 | 0.822 | 946600 | 179355 | 150 | 375 | 1196 | | |
| 441.8008 | 42:49 | 42:49 | 8 | 0.822 | 1028293 | 195726 | 102 | 255 | 1919 | 0.92(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:06 | 51:56 | 10 | | 1354609 | 243538 | 964 | 2410 | 253 | | |
| 441.8008 | 52:06 | 51:56 | 10 | | 1461037 | 261395 | 196 | 490 | 1334 | 0.93(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:35 | 52:35 | 10 | 1.009 | 1383075 | 242629 | 964 | 2410 | 252 | | |
| 441.8008 | 52:35 | 52:35 | 10 | 1.009 | 1557299 | 275917 | 196 | 490 | 1408 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:50 | 42:50 | 9 | 1.001 | 735732 | 141241 | 68 | 170 | 2077 | | |
| 429.7606 | 42:50 | 42:50 | 9 | 1.001 | 800747 | 152090 | 52 | 130 | 2925 | 0.92(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:46 | 43:46 | 9 | 1.022 | 503123 | 96801 | 68 | 170 | 1424 | | |
| 429.7606 | 43:46 | 43:46 | 9 | 1.022 | 583197 | 110924 | 52 | 130 | 2133 | 0.86(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:27 | | | | | | 68 | 170 | | | |
| 429.7606 | 44:27 | | | | | | 52 | 130 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:40 | 44:40 | 9 | 1.043 | 143588 | 32431 | 68 | 170 | 477 | | |
| 429.7606 | 44:40 | 44:40 | 9 | 1.043 | 158667 | 36301 | 52 | 130 | 698 | 0.90(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:47 | 44:46 | 9 | 1.046 | 450557 | 78705 | 68 | 170 | 1157 | | |
| 429.7606 | 44:47 | 44:46 | 9 | 1.046 | 498420 | 90239 | 52 | 130 | 1735 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:35 | 47:34 | 10 | 1.112 | 2793115 | 513287 | 68 | 170 | 7548 | | |
| 429.7606 | 47:35 | 47:34 | 10 | 1.112 | 3032525 | 553029 | 52 | 130 | 10635 | 0.92(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:35 | 47:34 | 10 | 1.112 | 2793115 | 513287 | 68 | 170 | 7548 | | |
| 429.7606 | 47:35 | 47:34 | 10 | 1.112 | 3032525 | 553029 | 52 | 130 | 10635 | 0.92(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:15 | 48:15 | 9 | 0.918 | 1480662 | 278989 | 68 | 170 | 4103 | | |
| 429.7606 | 48:15 | 48:15 | 9 | 0.918 | 1625528 | 306116 | 52 | 130 | 5887 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:26 | 48:27 | 9 | 0.921 | 1993701 | 379142 | 68 | 170 | 5576 | | |
| 429.7606 | 48:26 | 48:27 | 9 | 0.921 | 2186526 | 408249 | 52 | 130 | 7851 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:45 | 49:46 | 9 | 0.946 | 1708310 | 320006 | 613 | 1532 | 522 | | |
| 429.7606 | 49:45 | 49:46 | 9 | 0.946 | 1897466 | 349445 | 575 | 1437 | 608 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:08 | 52:08 | 10 | 0.992 | 4077295 | 751225 | 613 | 1532 | 1225 | | |
| 429.7606 | 52:08 | 52:08 | 10 | 0.992 | 4516113 | 816648 | 575 | 1437 | 1420 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:35 | 52:36 | 10 | 1.000 | 274318 | 50571 | 613 | 1532 | 82 | | |
| 429.7606 | 52:36 | 52:36 | 10 | 1.000 | 305863 | 55132 | 575 | 1437 | 96 | 0.90(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:30 | 49:32 | 8 | 0.950 | 1200340 | 222895 | 362 | 905 | 616 | | |
| 475.7619 | 49:30 | 49:32 | 8 | 0.950 | 1488543 | 283528 | 369 | 922 | 768 | 0.81(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:20 | 54:21 | 10 | 1.043 | 860569 | 151943 | 362 | 905 | 420 | | |
| 475.7619 | 54:20 | 54:21 | 10 | 1.043 | 1099512 | 211058 | 369 | 922 | 572 | 0.78(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:31 | 49:21 | 9 | 1.001 | 827624 | 155148 | 190 | 475 | 817 | | |
| 463.7216 | 49:31 | 49:21 | 9 | 1.001 | 1057097 | 198827 | 196 | 490 | 1014 | 0.78(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:27 | 50:17 | 8 | 1.019 | 299037 | 60184 | 190 | 475 | 317 | | |
| 463.7216 | 50:27 | 50:17 | 8 | 1.019 | 379166 | 70507 | 196 | 490 | 360 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:22 | 54:22 | 10 | 1.000 | 2209445 | 369127 | 190 | 475 | 1943 | | |
| 463.7216 | 54:22 | 54:22 | 10 | 1.000 | 2580167 | 461242 | 196 | 490 | 2353 | 0.86(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:59 | 55:59 | 10 | 1.074 | 798307 | 136073 | 94 | 235 | 1448 | | |
| 509.7229 | 55:59 | 55:59 | 11 | 1.074 | 1101629 | 182259 | 118 | 295 | 1545 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 56:01 | 56:00 | 11 | 1.001 | 2171841 | 355301 | 66 | 165 | 5383 | | |
| 497.6826 | 56:01 | 56:00 | 11 | 1.001 | 3096370 | 515782 | 40 | 100 | 12895 | 0.70(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

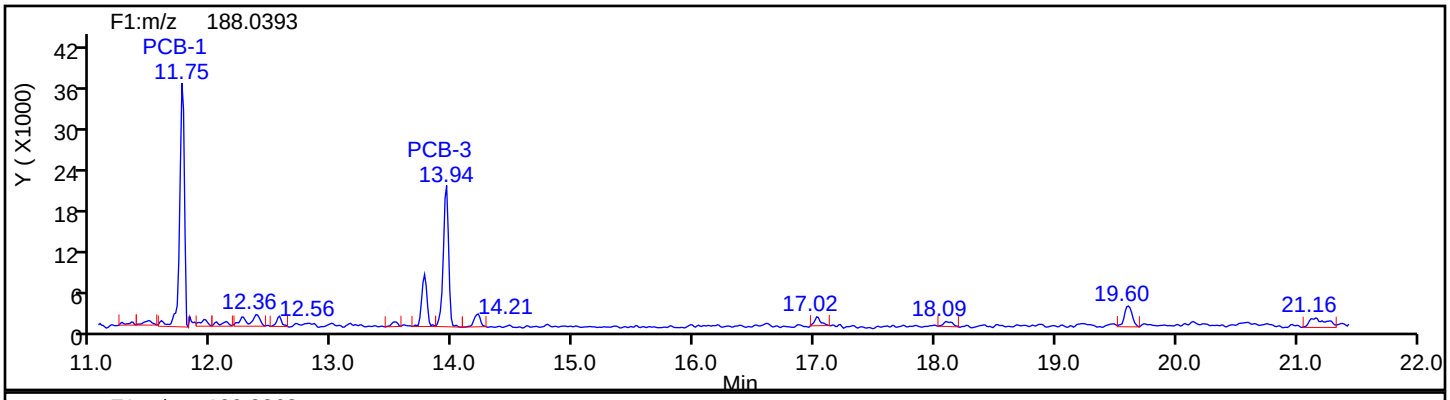
U - Marked Undetected

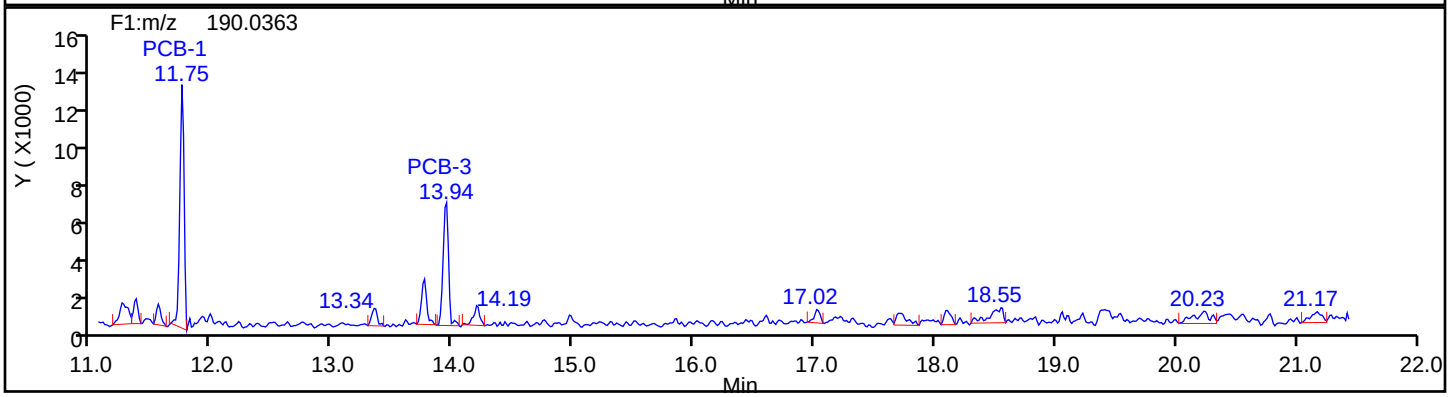
a - User Assigned ID

Eurofins TestAmerica, Knoxville

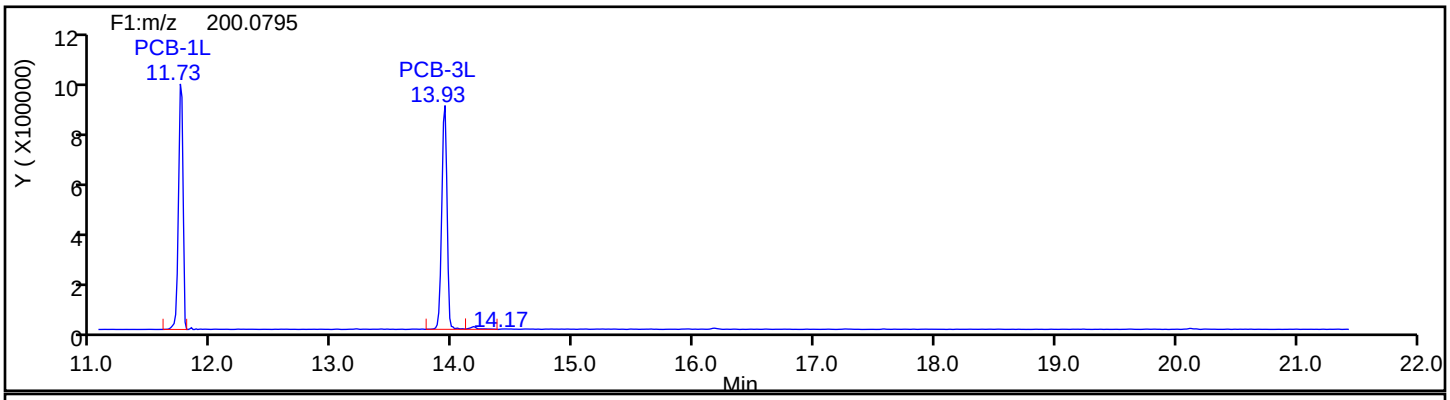
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

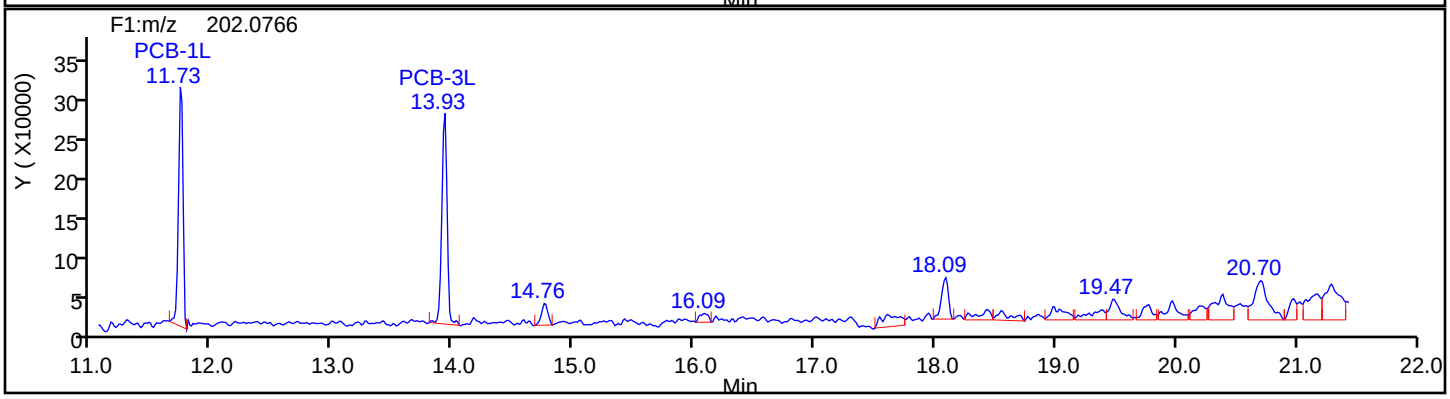
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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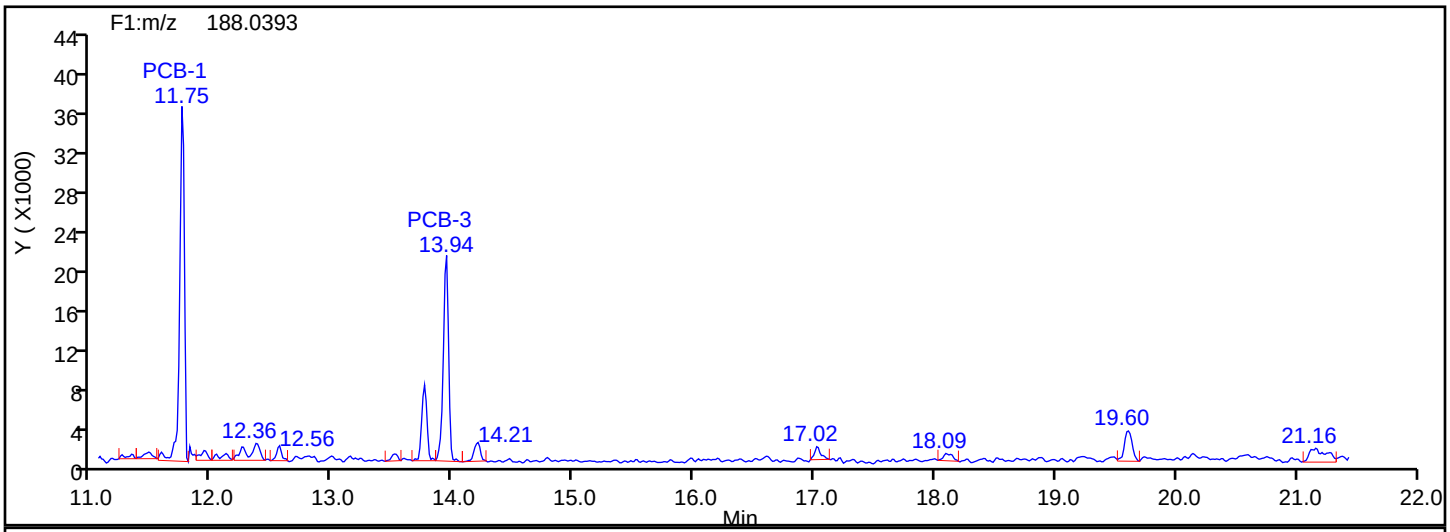
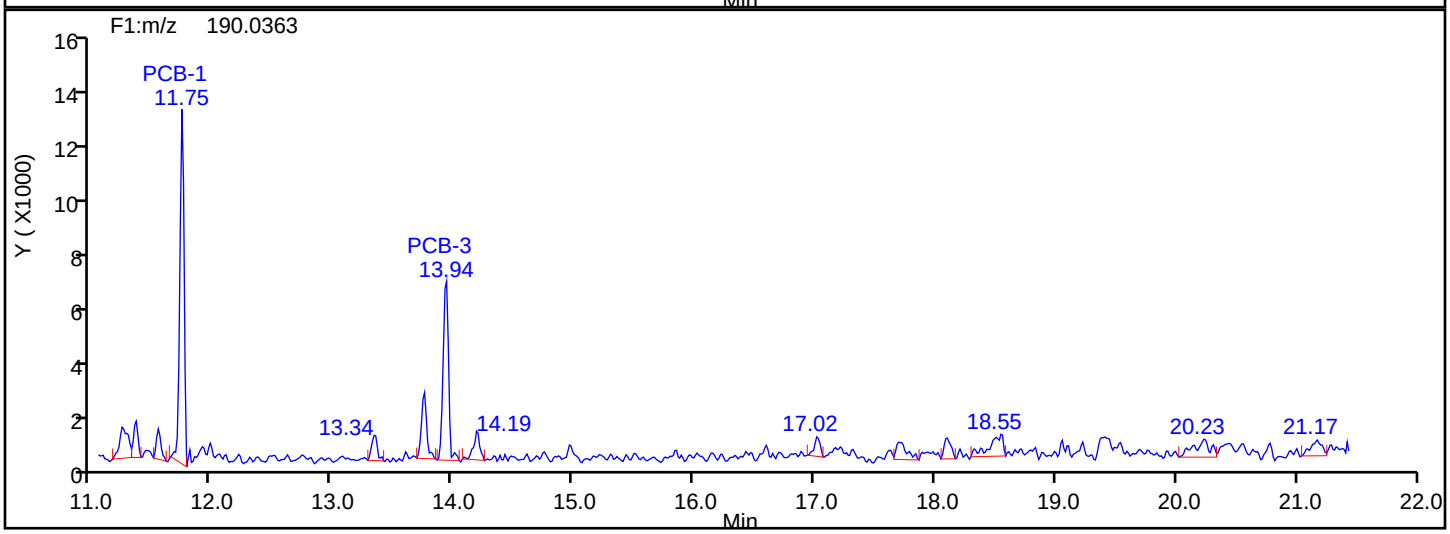
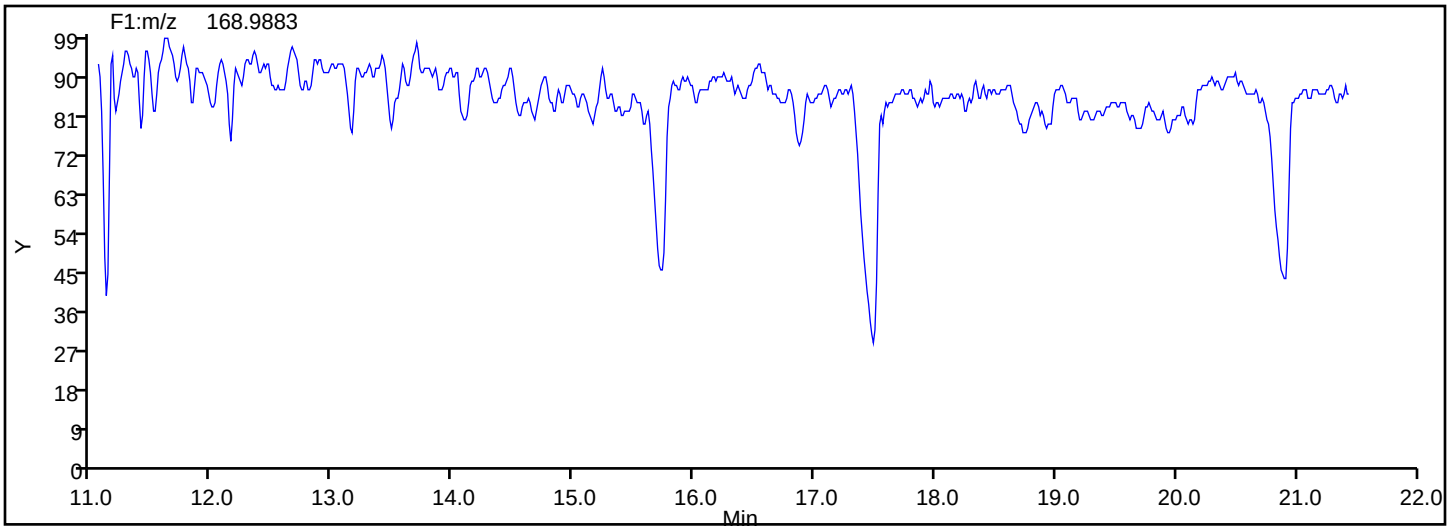
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

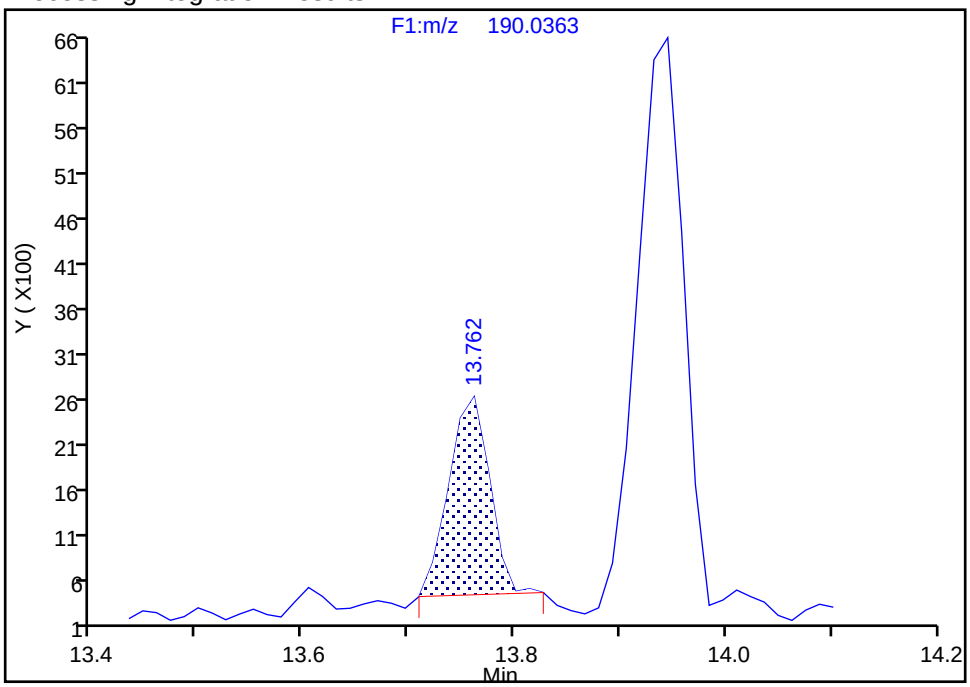
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 2

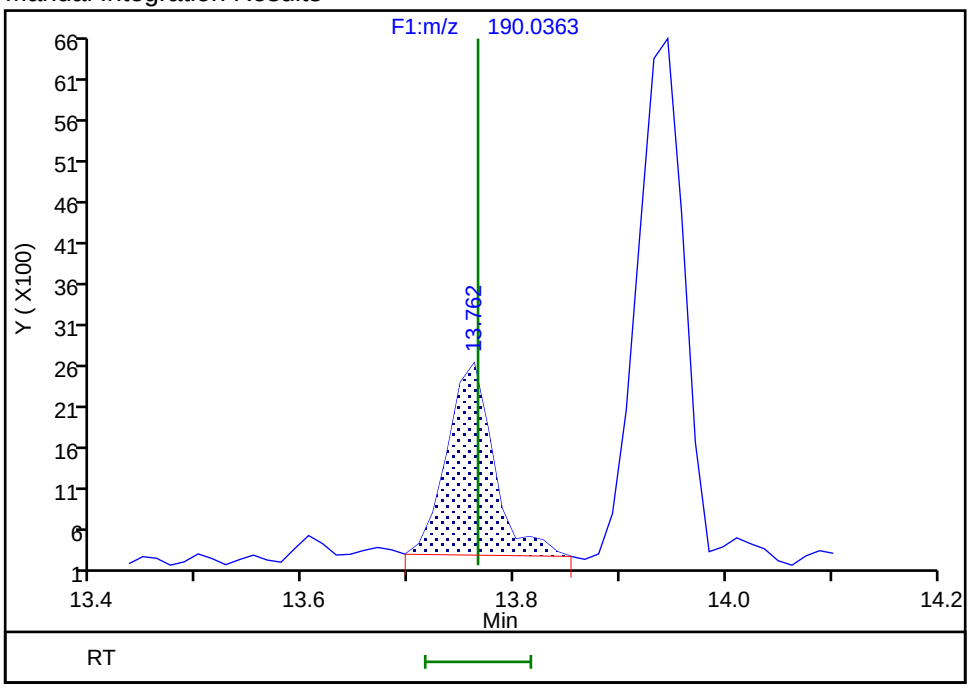
Processing Integration Results

RT: 13.76
Area: 5788
Amount: 0.729461
Amount Units: pg/ul




Manual Integration Results

RT: 13.76
Area: 7093
Amount: 0.762344
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:18:11

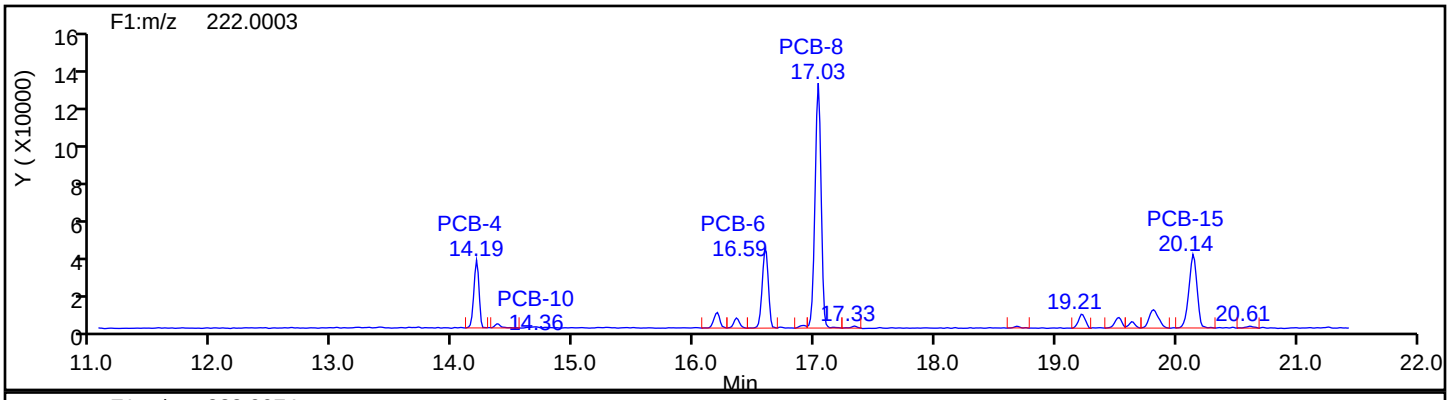
Audit Action: Manually Integrated Audit Reason: Baseline

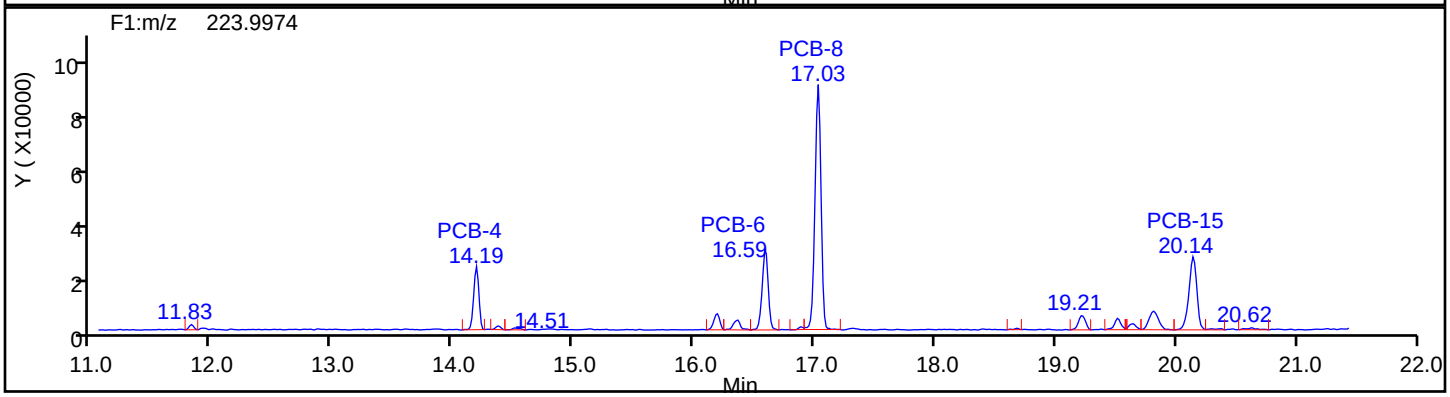
Report Date: 10-Oct-2019 08:26:45 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

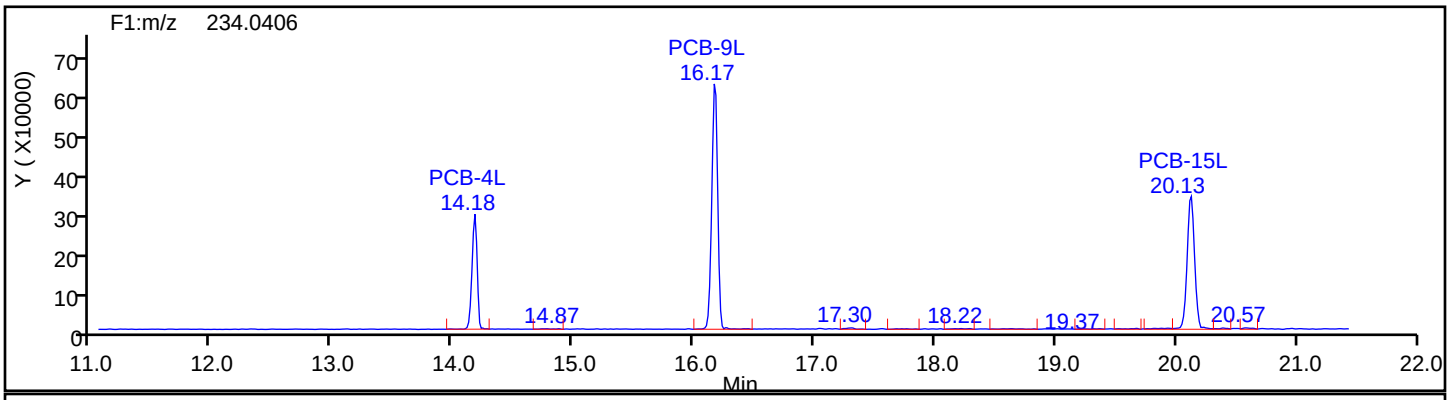
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

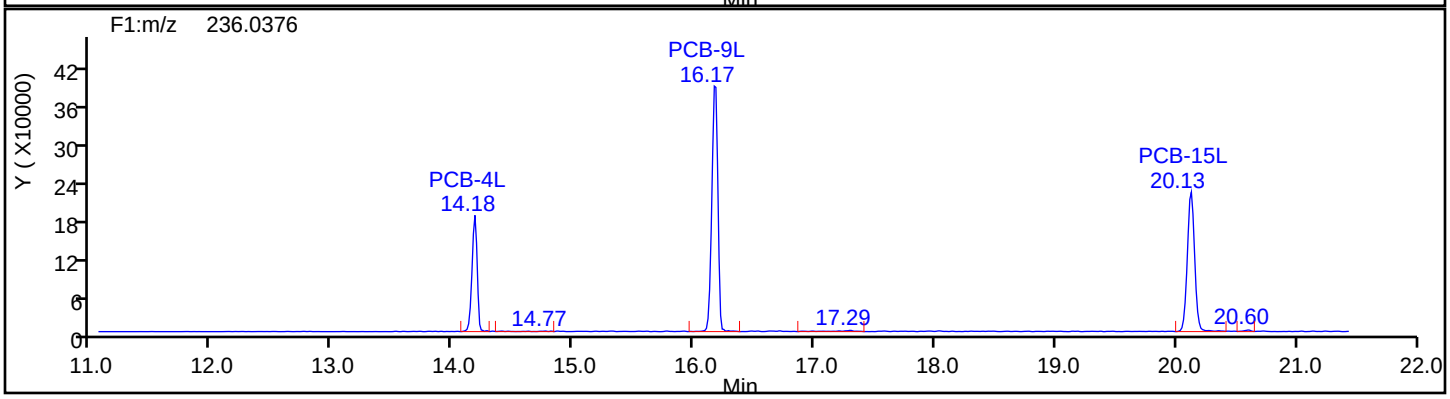
DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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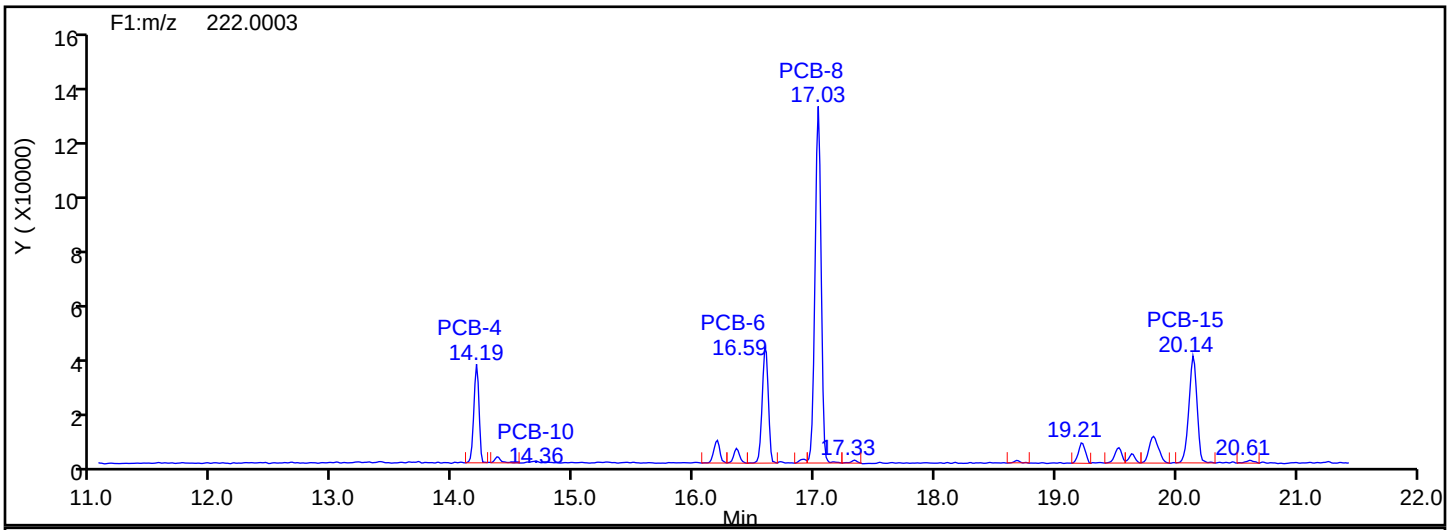
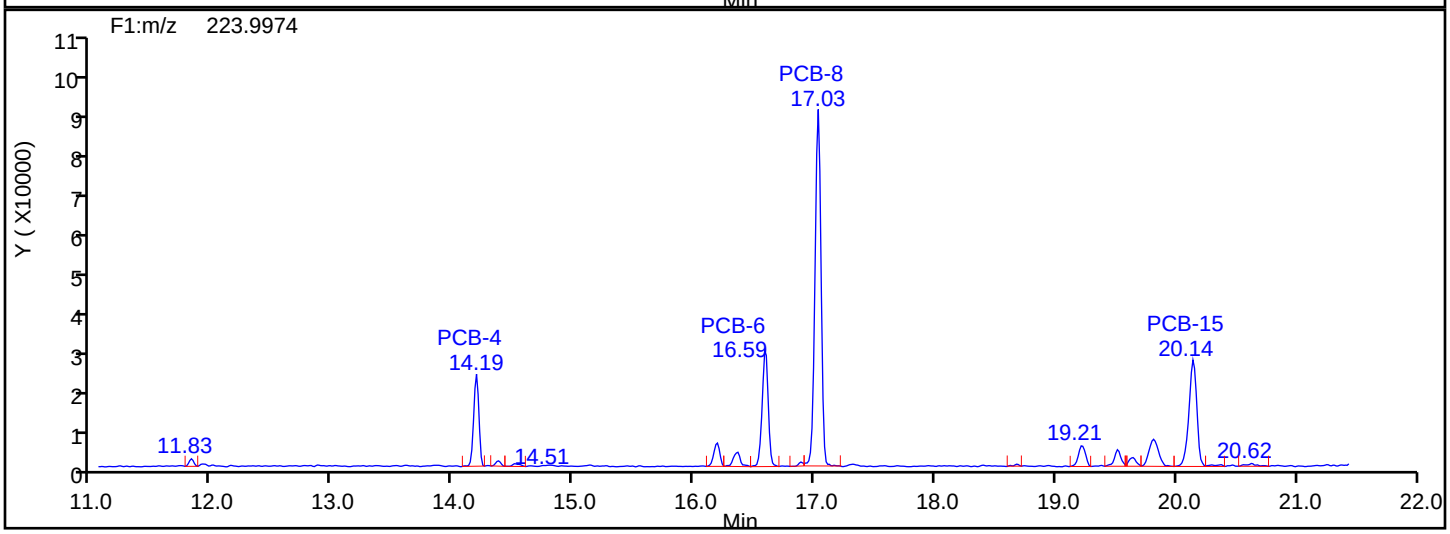
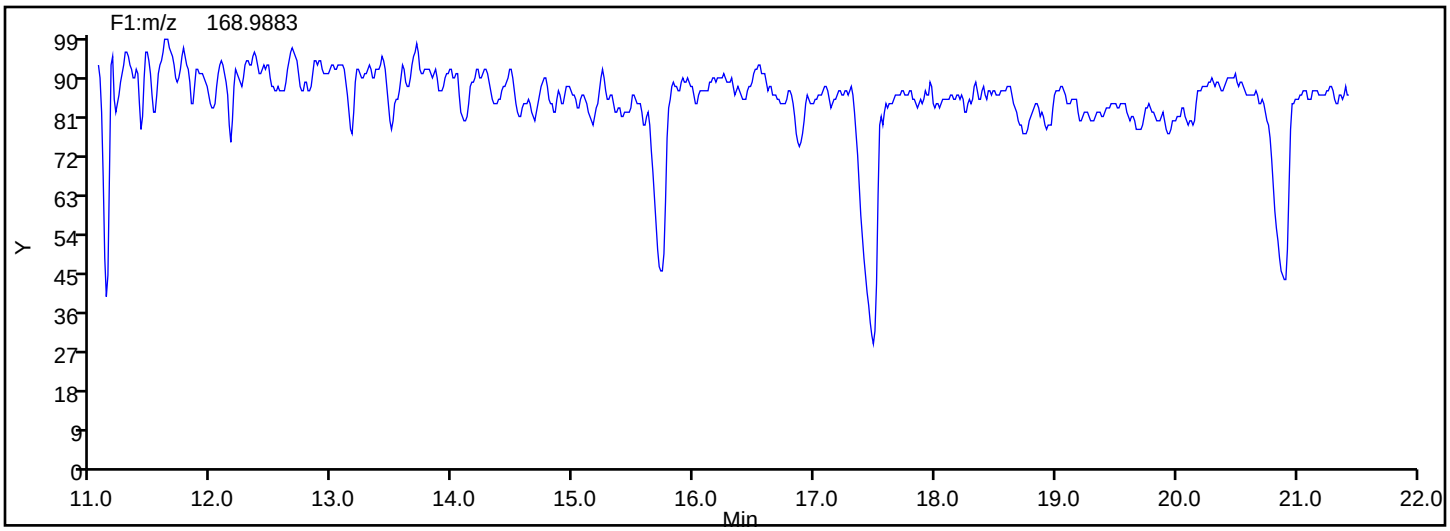
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

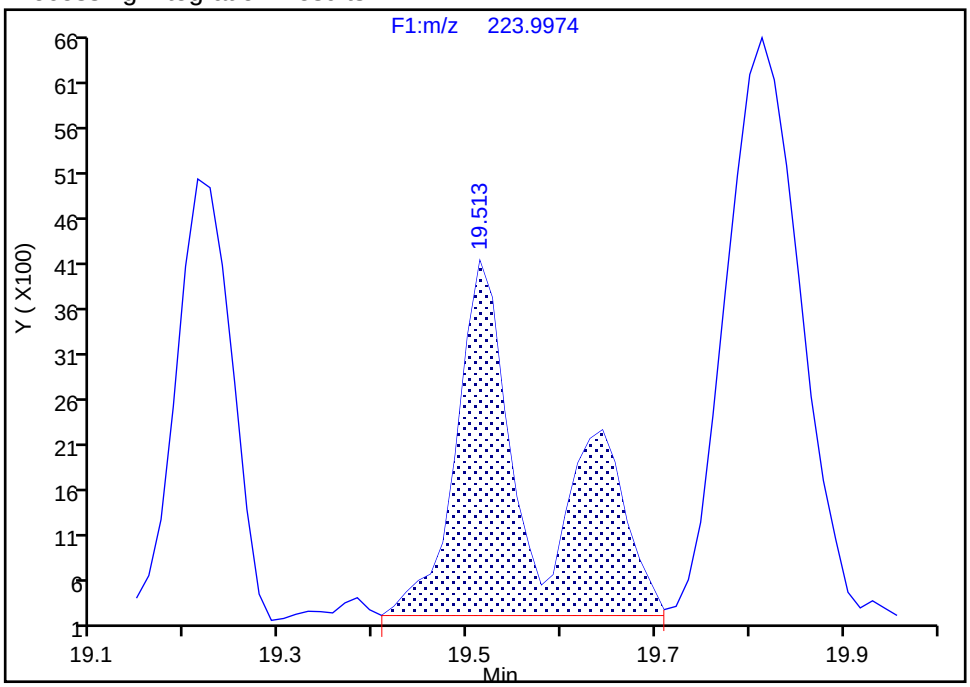
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

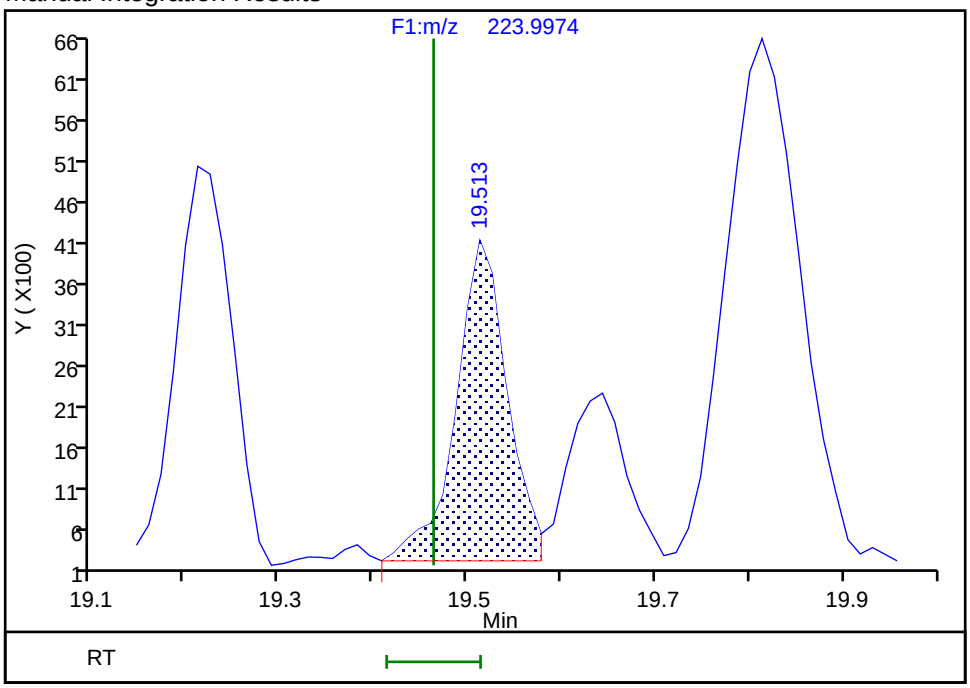
Processing Integration Results

RT: 19.51
Area: 23349
Amount: 1.482360
Amount Units: pg/ul




Manual Integration Results

RT: 19.51
Area: 14652
Amount: 1.203937
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:18:53

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

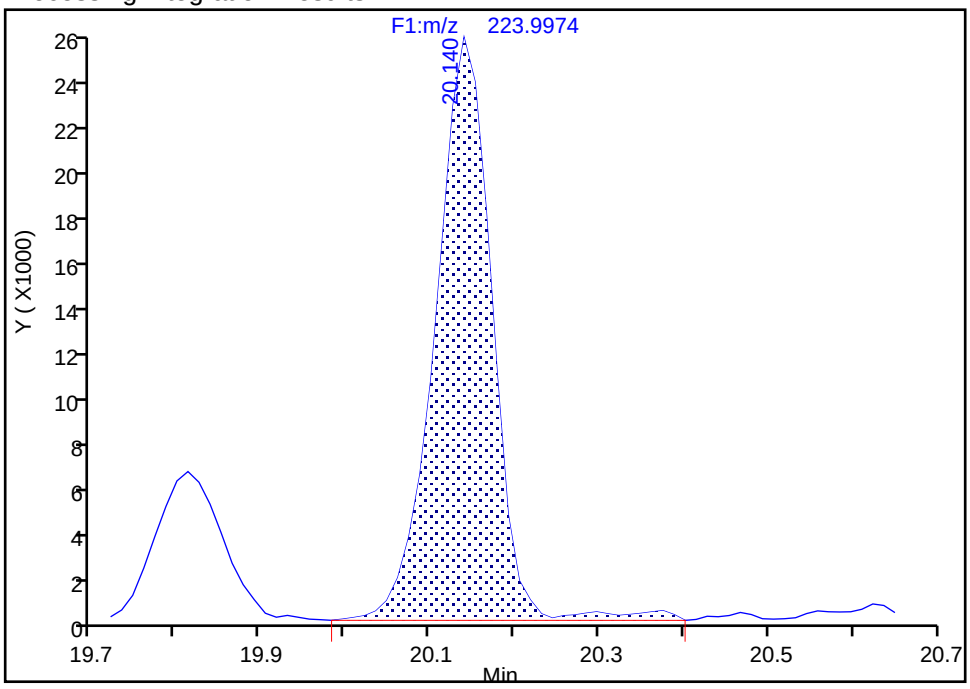
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 2

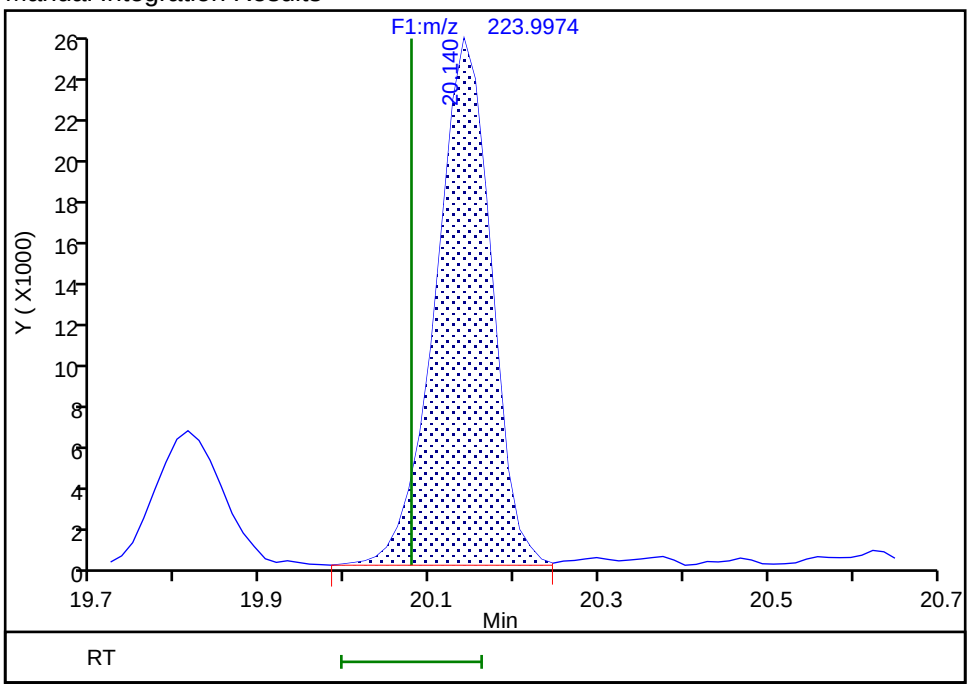
Processing Integration Results

RT: 20.14
Area: 116890
Amount: 8.894517
Amount Units: pg/ul




Manual Integration Results

RT: 20.14
Area: 114379
Amount: 8.820041
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:18:45

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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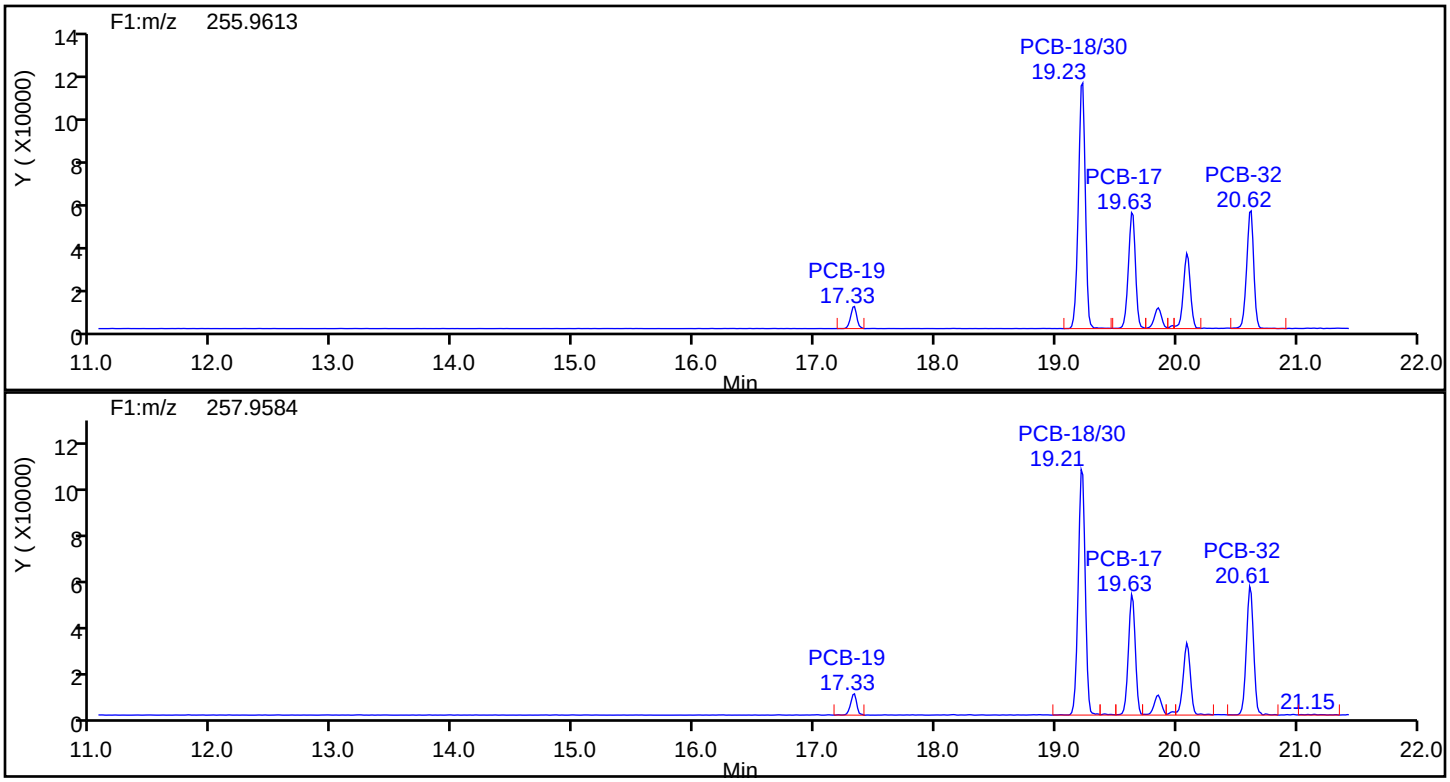
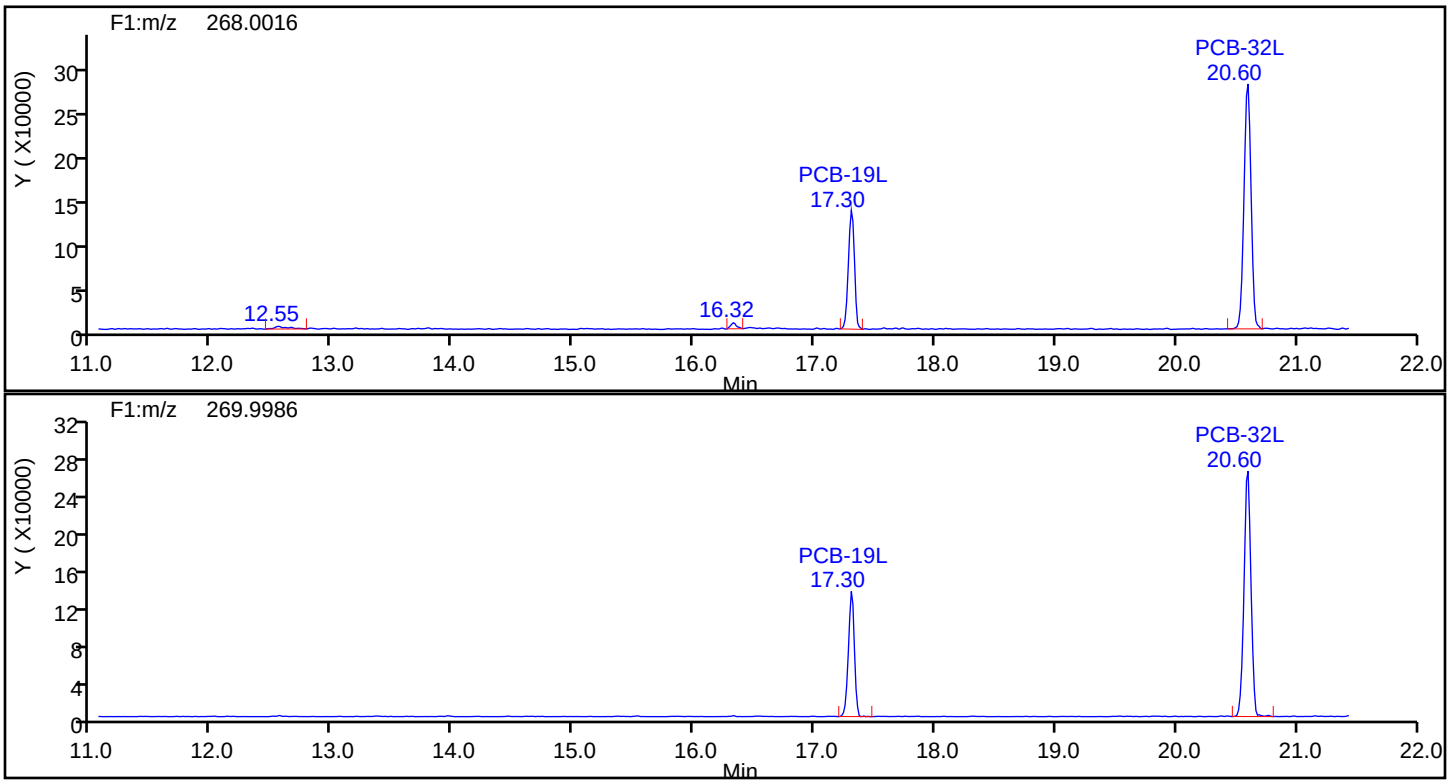
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



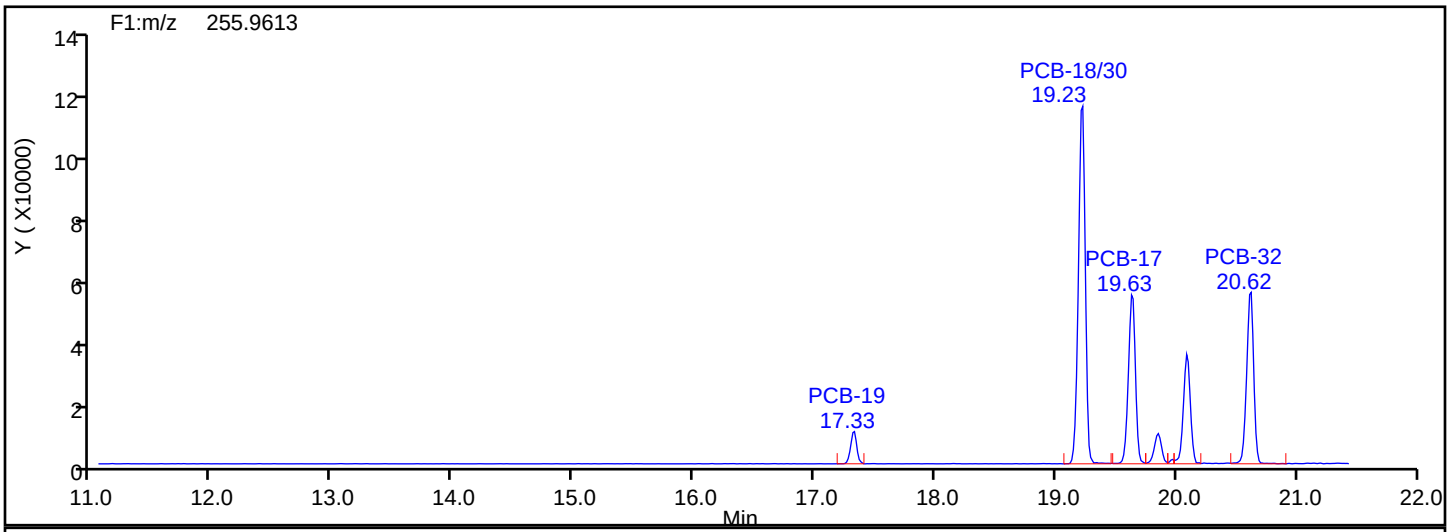

TriPCB F1 Standards

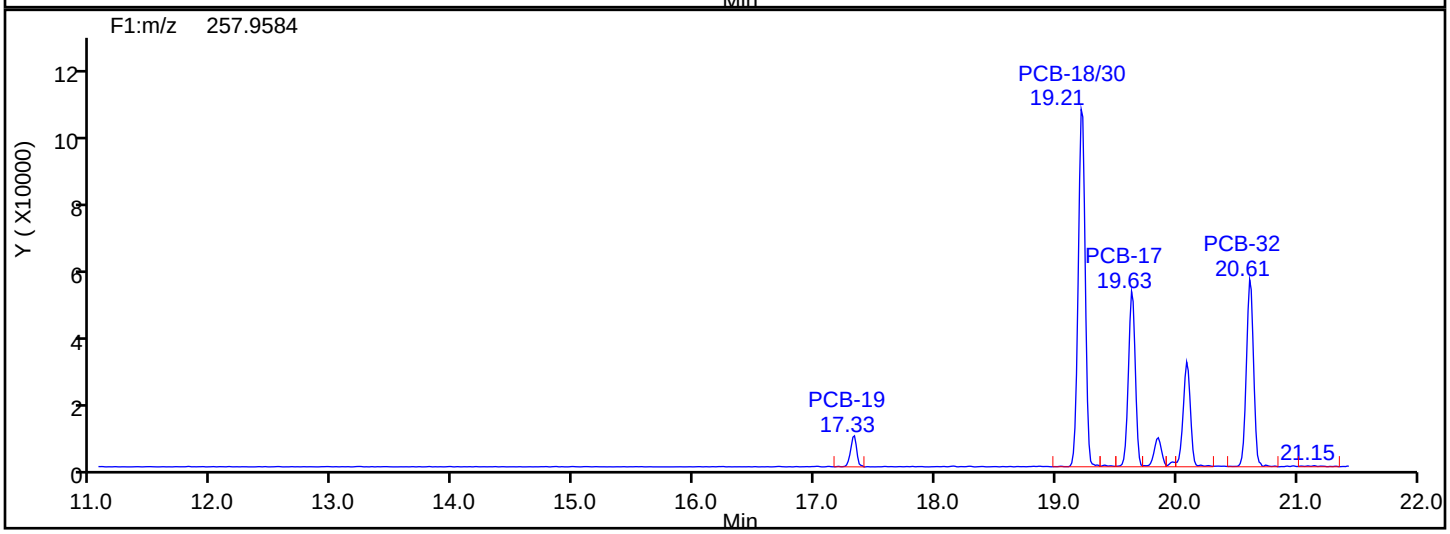


Eurofins TestAmerica, Knoxville

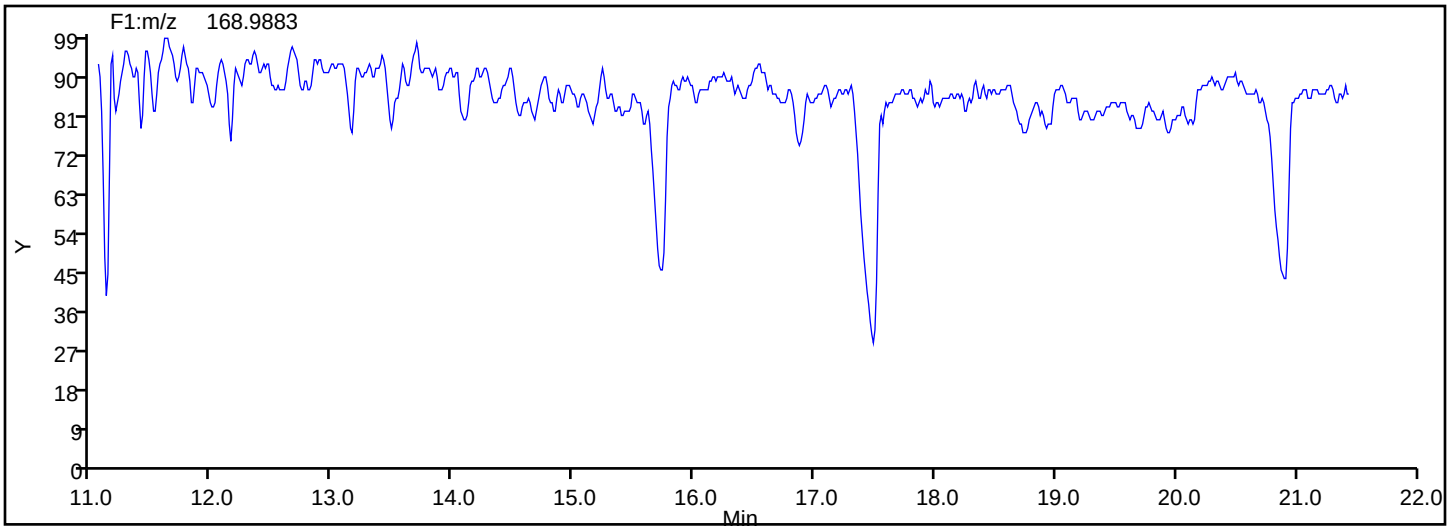
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



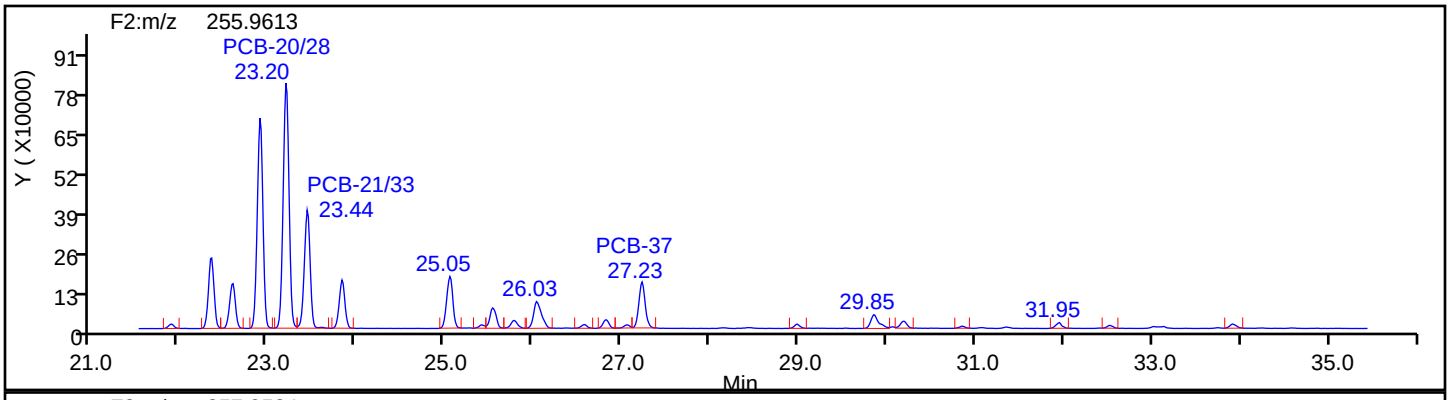

TriPCB F1 Lock Mass

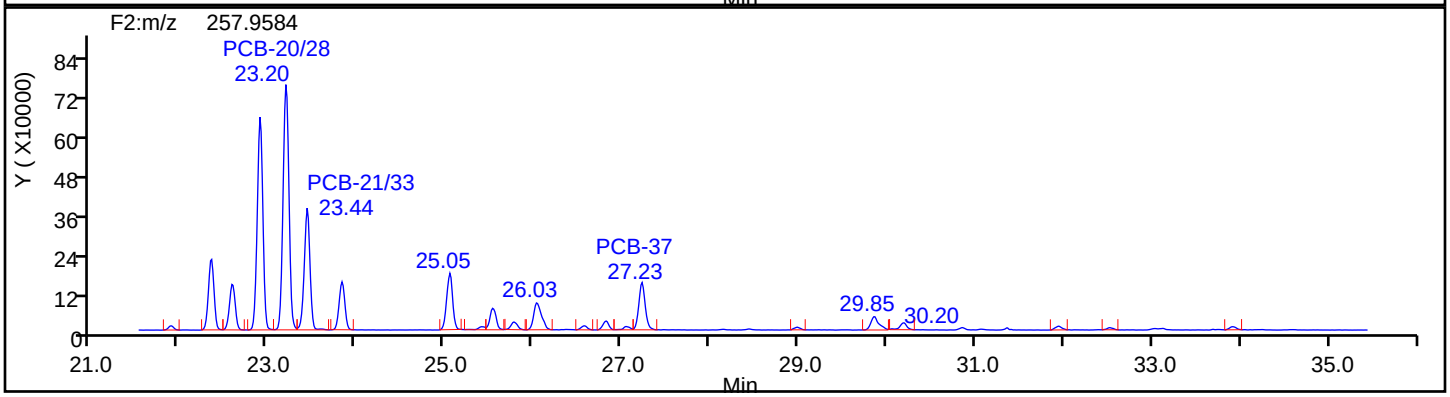


Eurofins TestAmerica, Knoxville

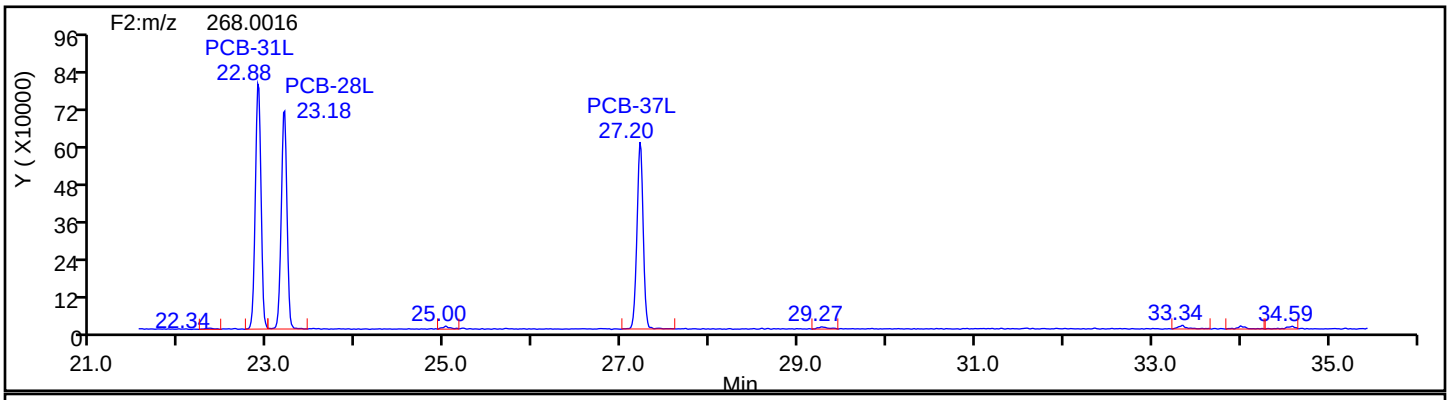
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

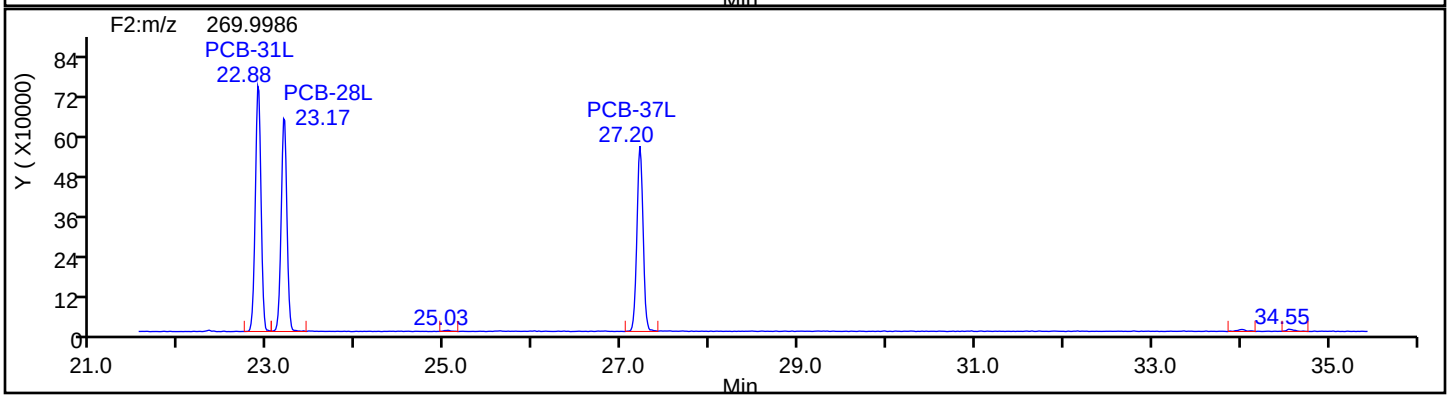
TriPCB F2




TriPCB F2 Standards

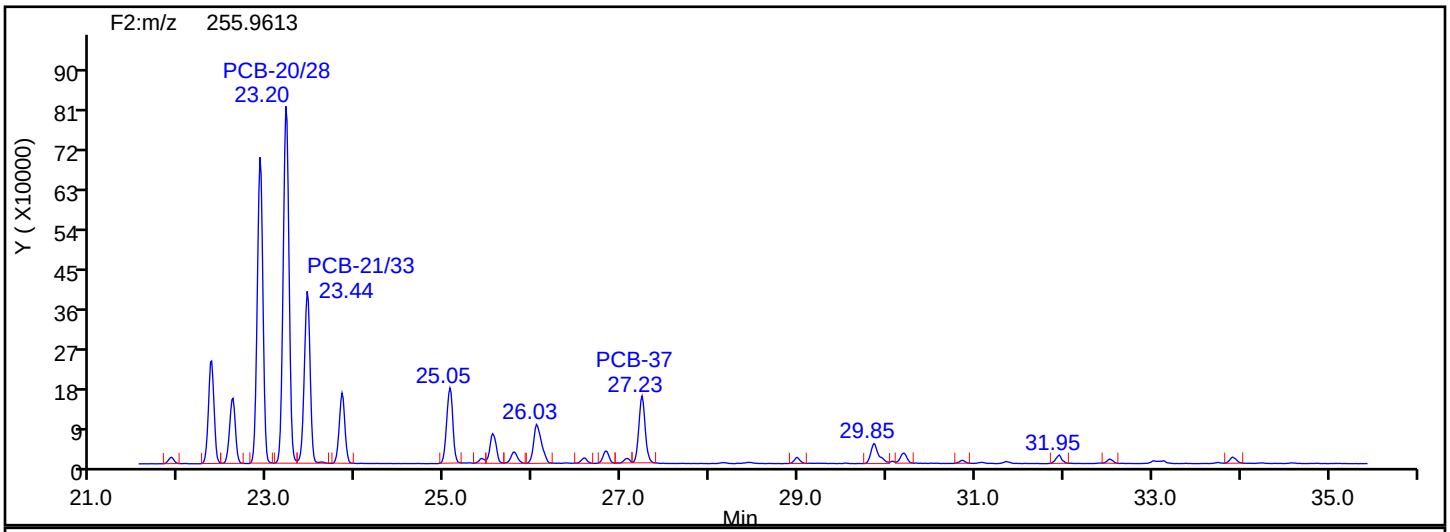


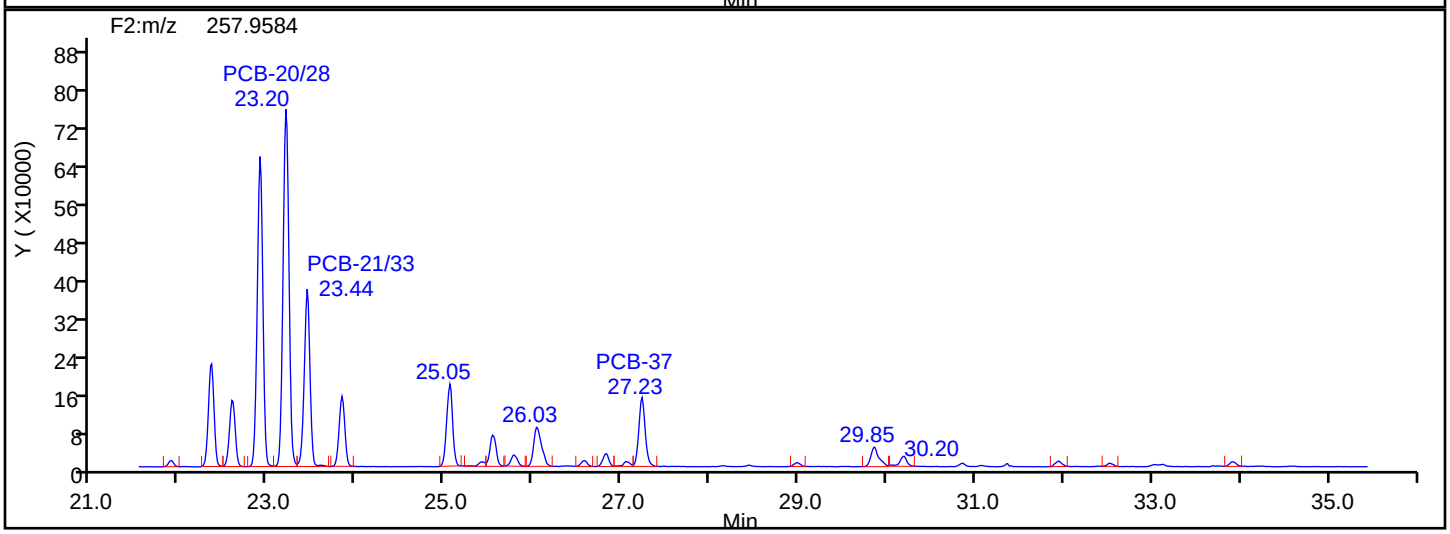



Eurofins TestAmerica, Knoxville

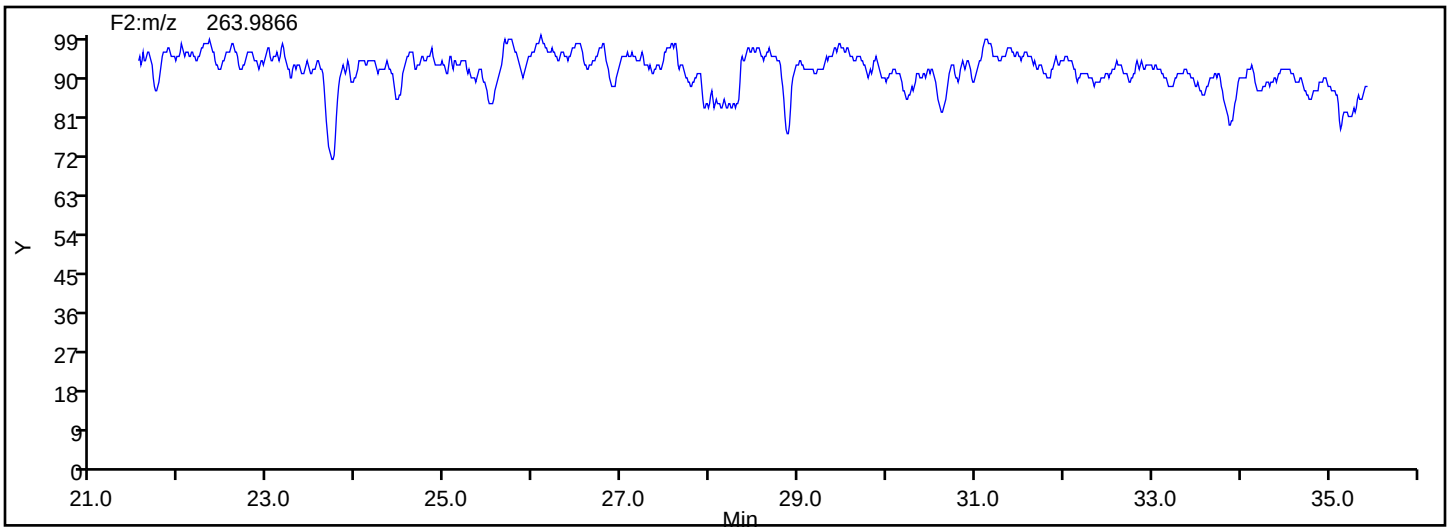
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



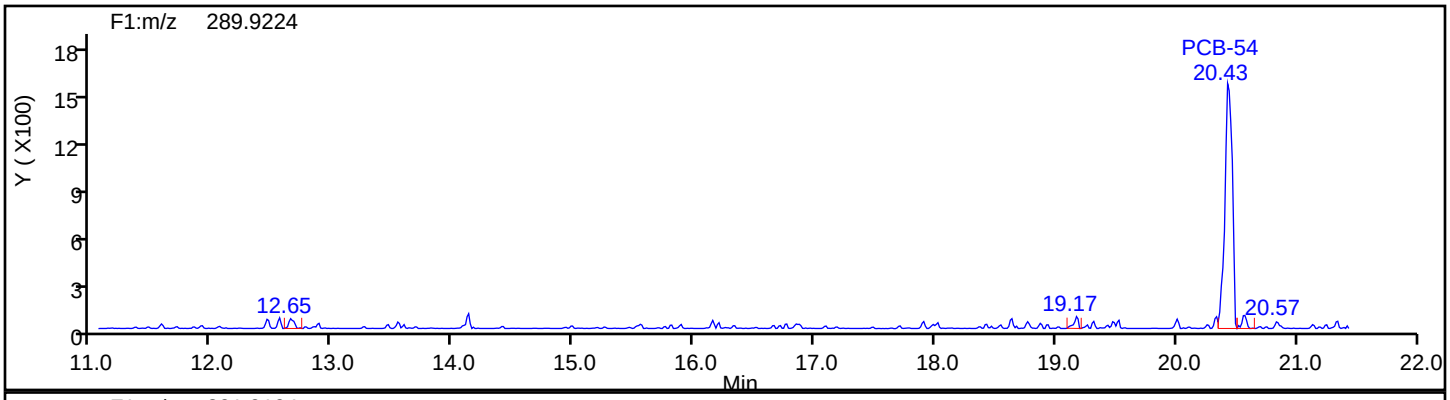

TriPCB F2 Lock Mass

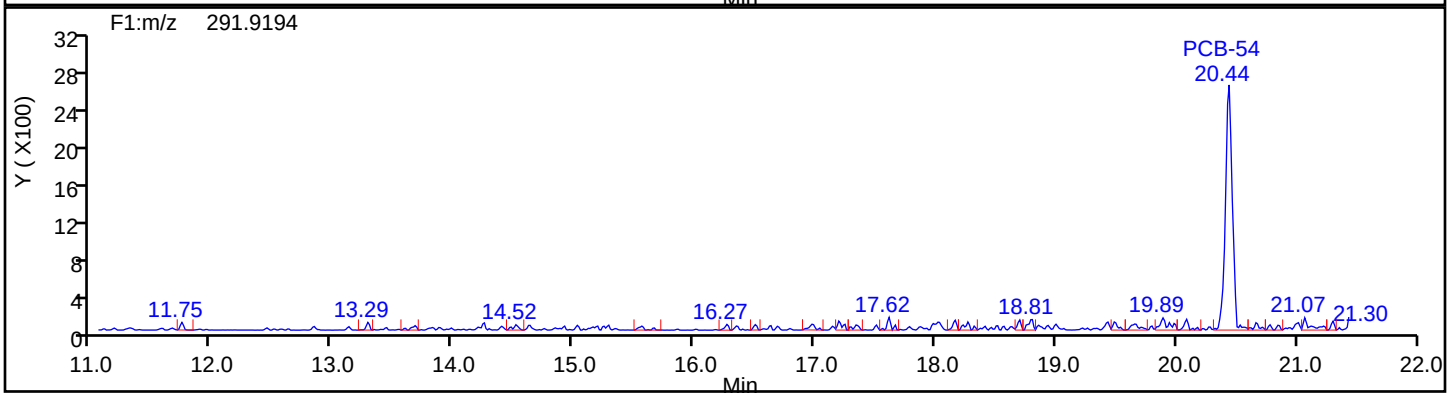


Eurofins TestAmerica, Knoxville

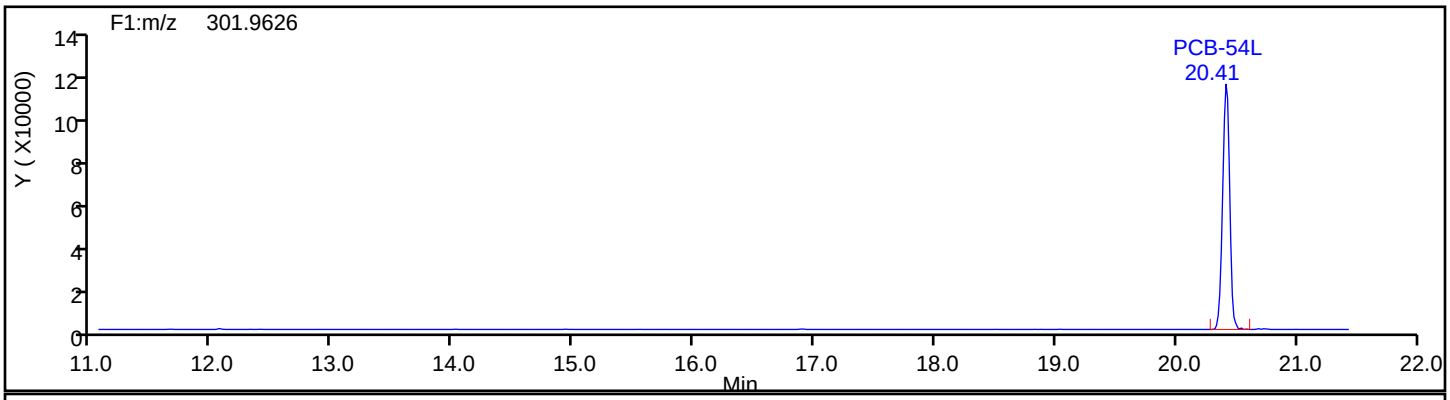
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

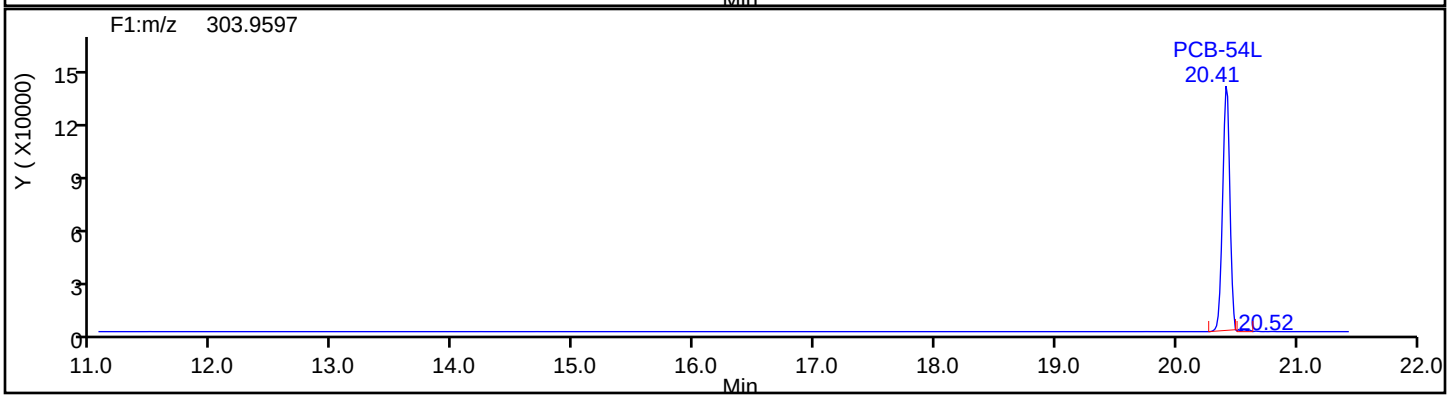
TePCB F1




TePCB F1 Standards

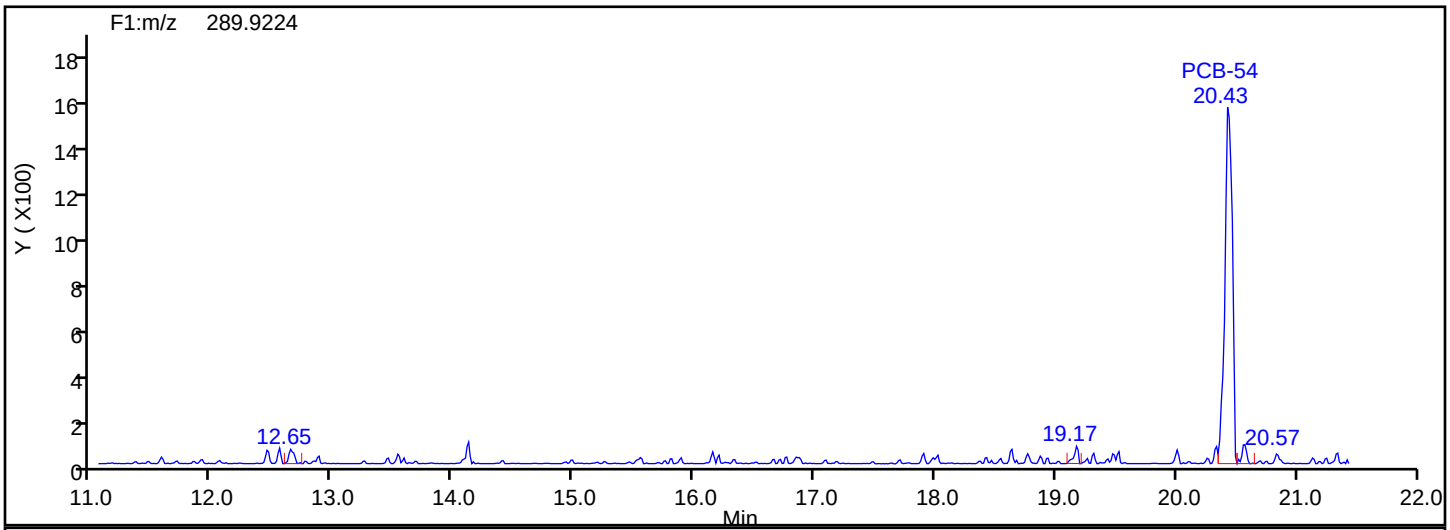


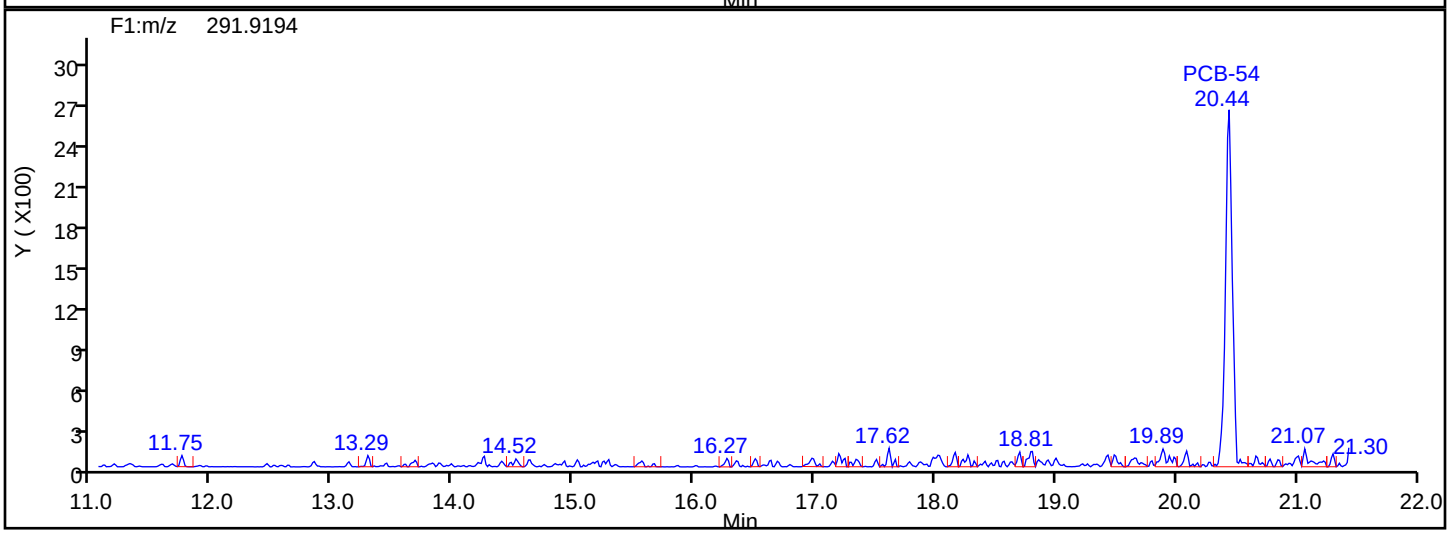



Eurofins TestAmerica, Knoxville

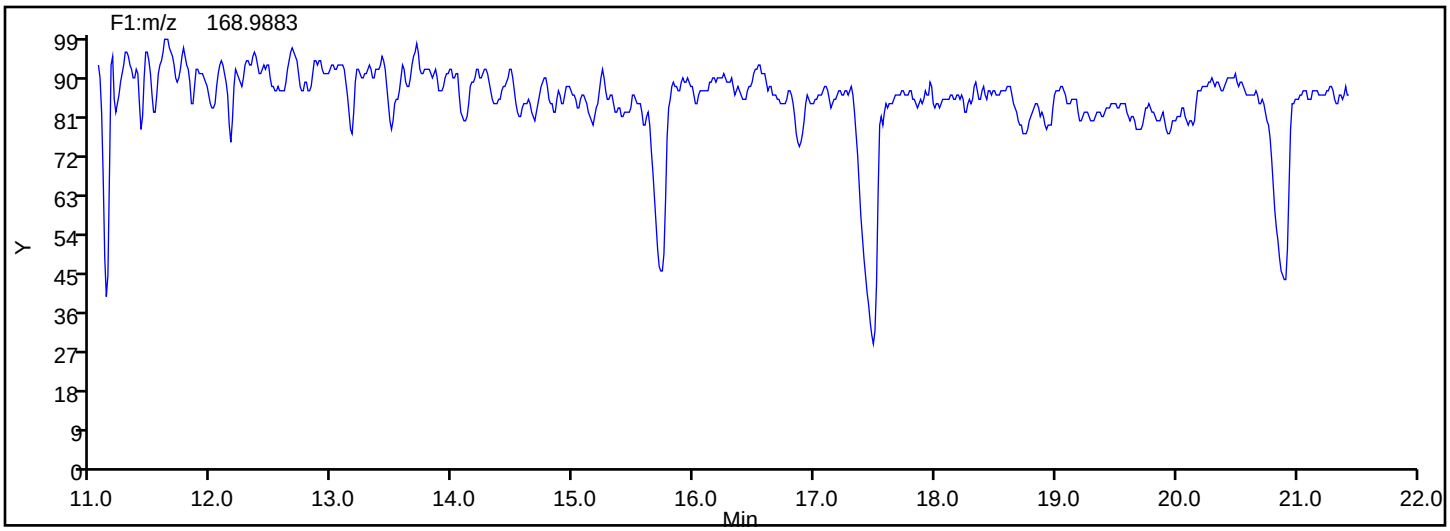
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



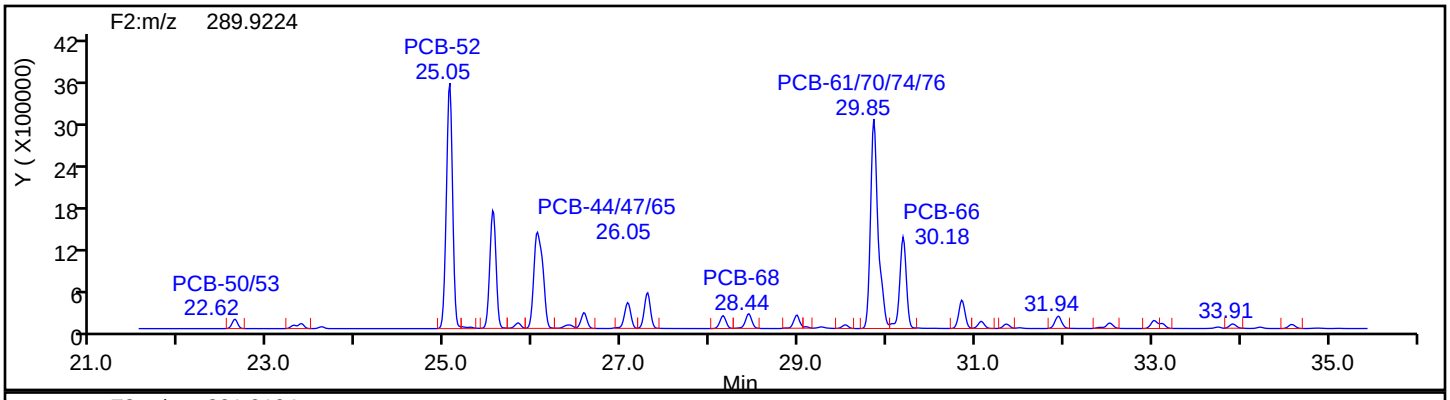

TePCB F1 Lock Mass

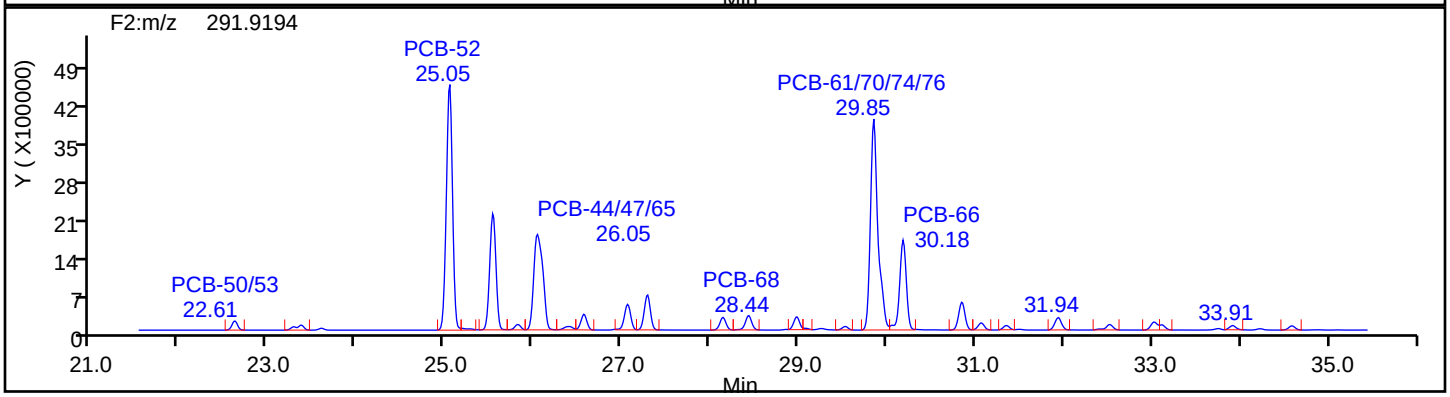


Eurofins TestAmerica, Knoxville

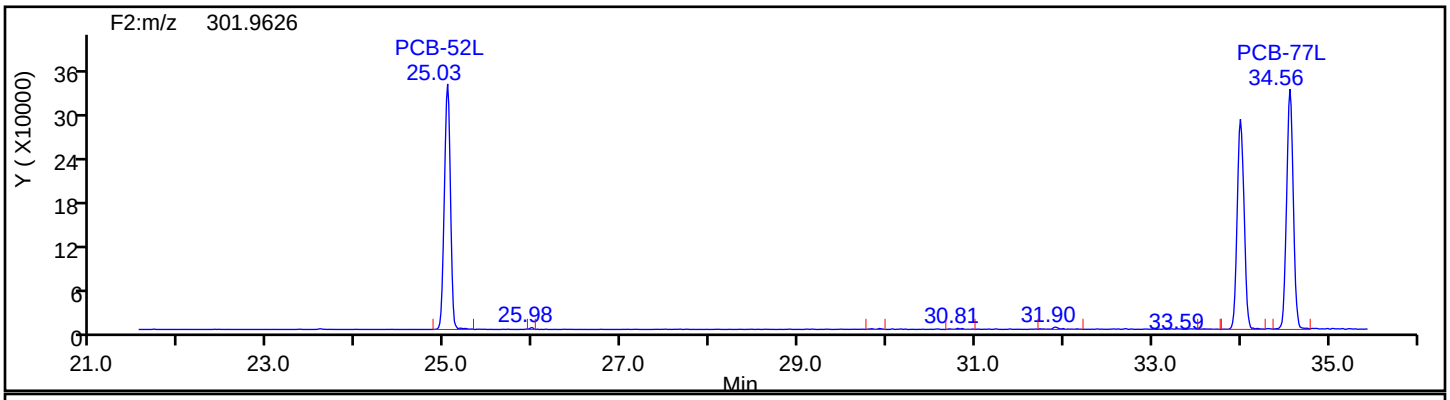
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

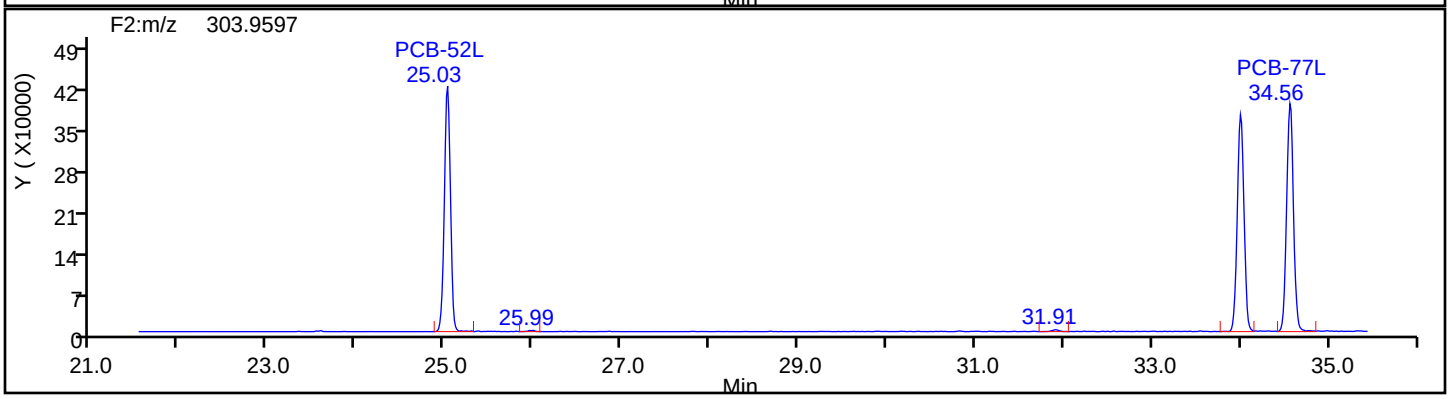
TePCB F2




TePCB F2 Standards

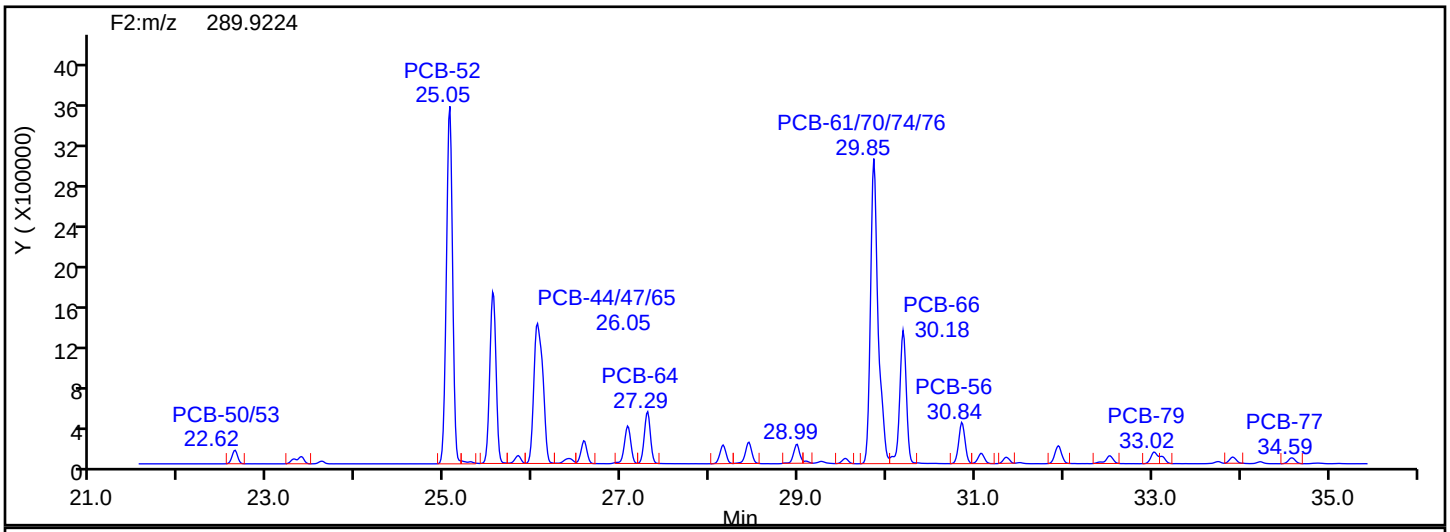


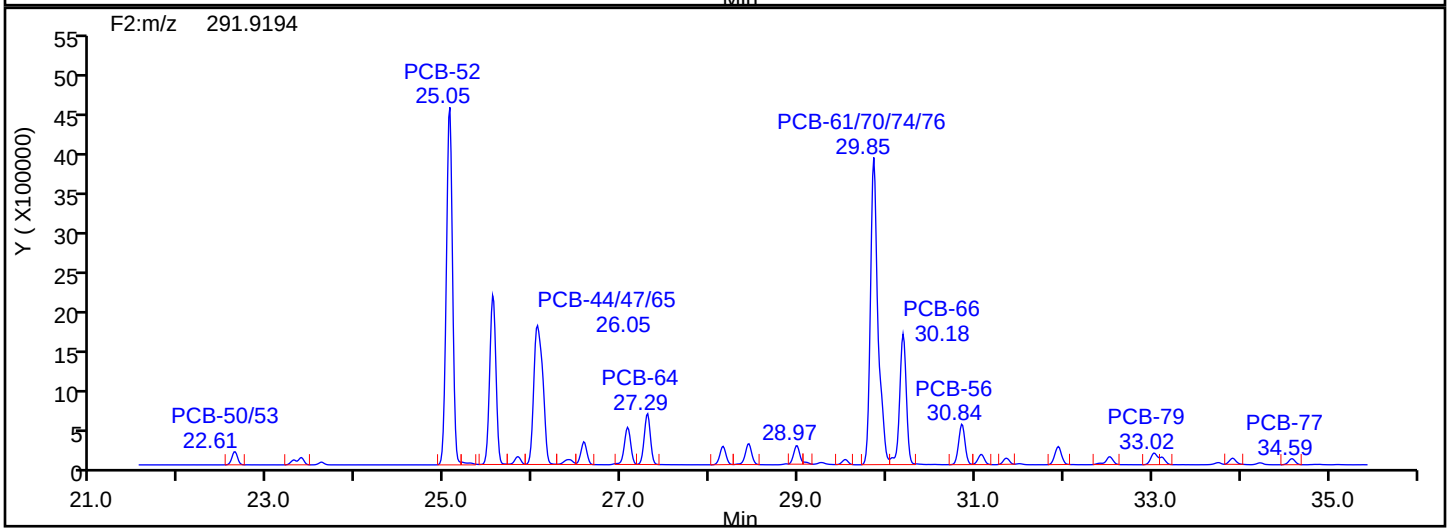



Eurofins TestAmerica, Knoxville

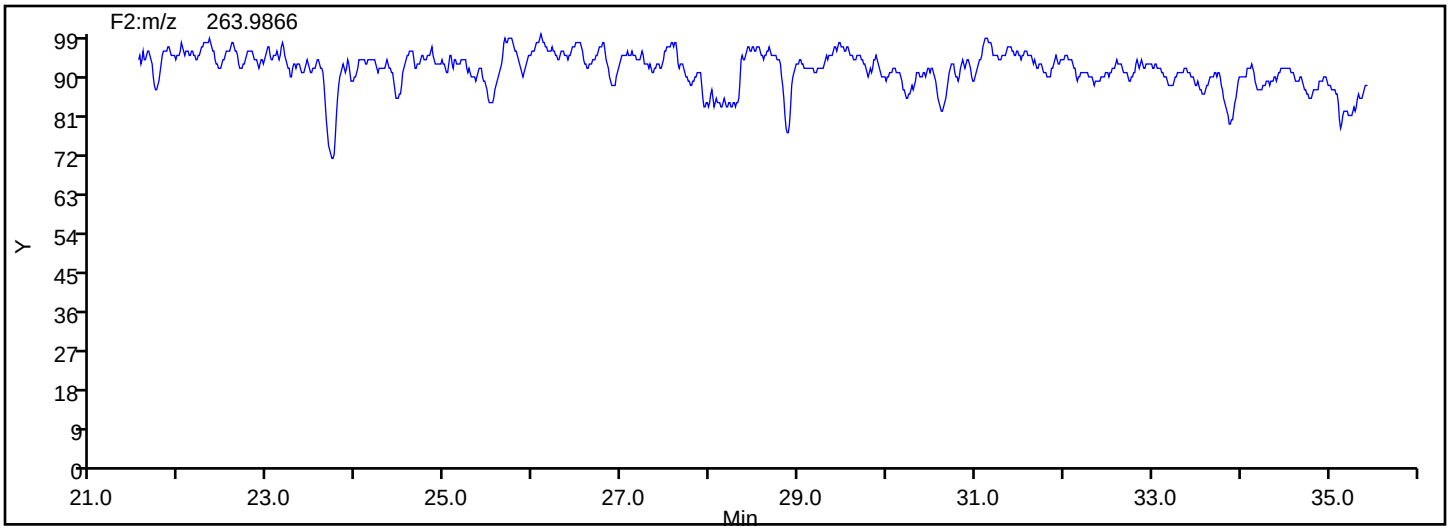
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

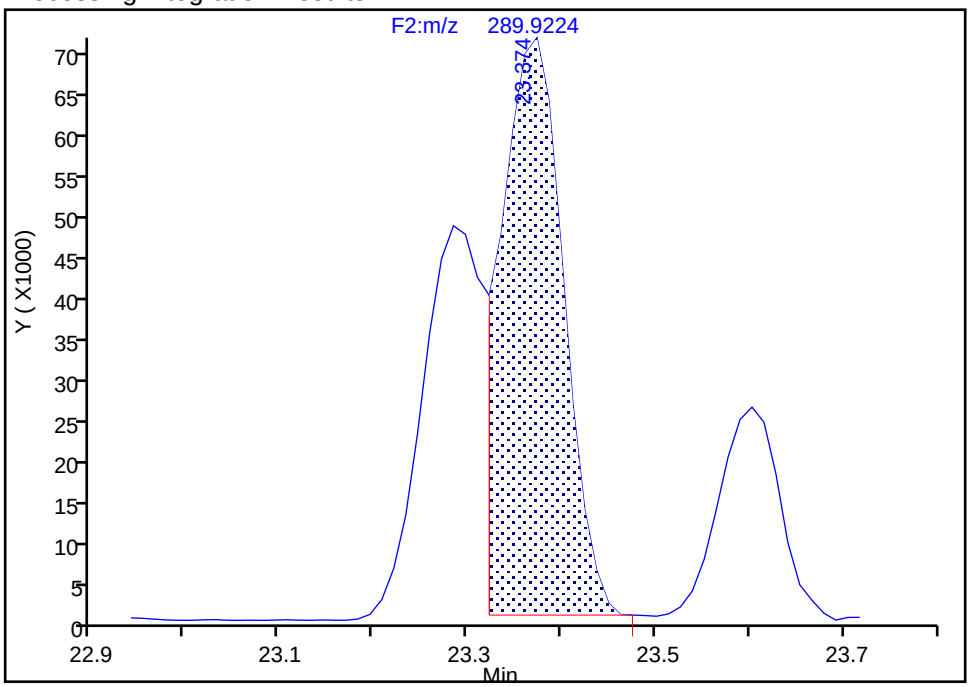
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

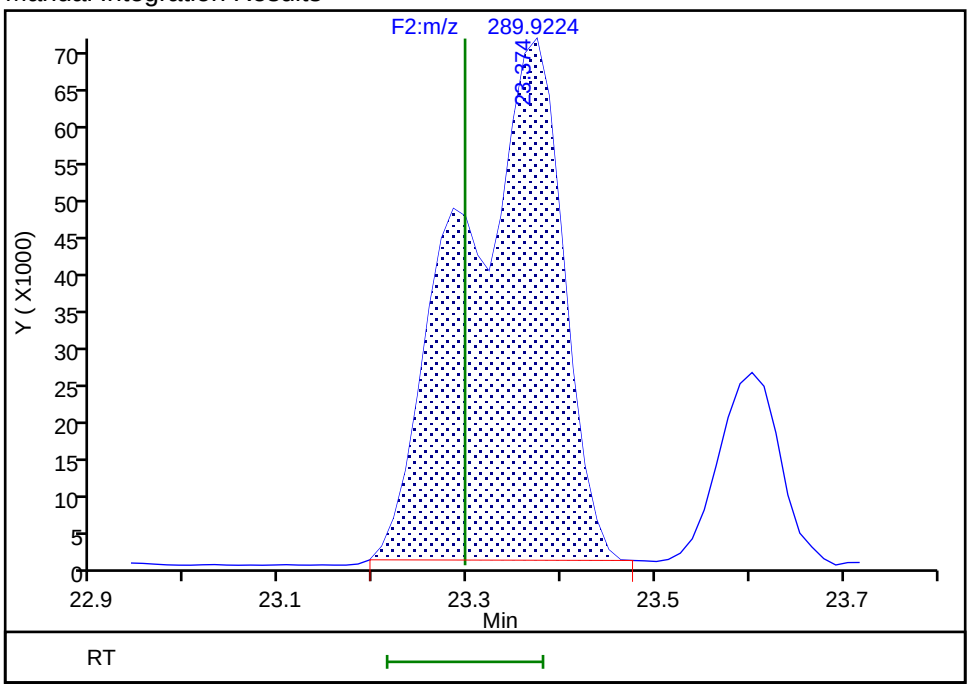
Processing Integration Results

RT: 23.37
Area: 319997
Amount: 21.622780
Amount Units: pg/ul




Manual Integration Results

RT: 23.37
Area: 529698
Amount: 27.960407
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:19:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

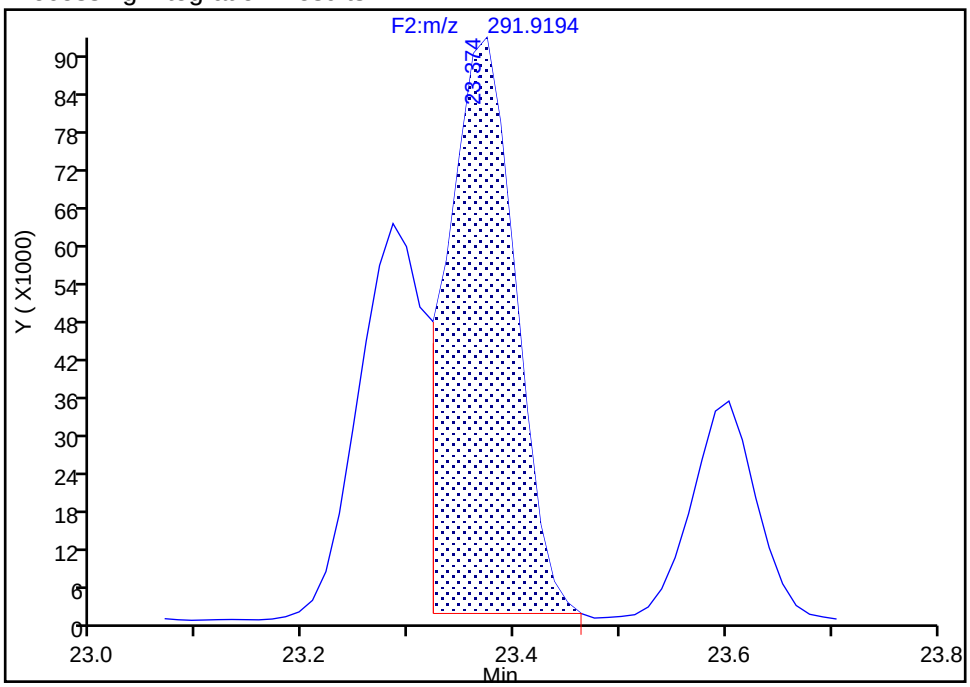
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

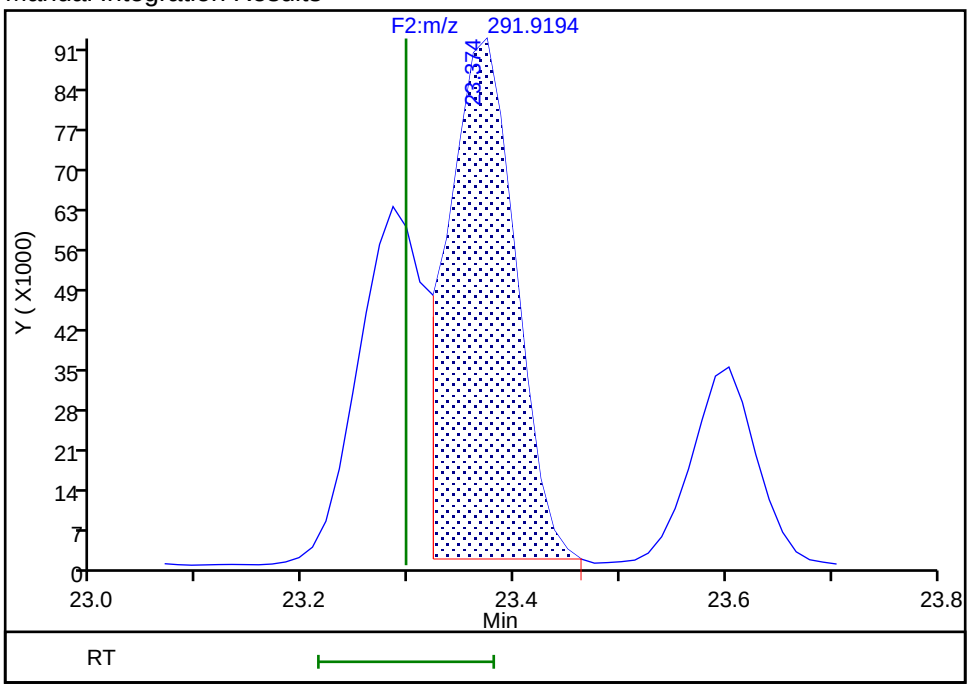
Processing Integration Results

RT: 23.37
Area: 395463
Amount: 21.622780
Amount Units: pg/ul




Manual Integration Results

RT: 23.37
Area: 395463
Amount: 27.960407
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:19:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

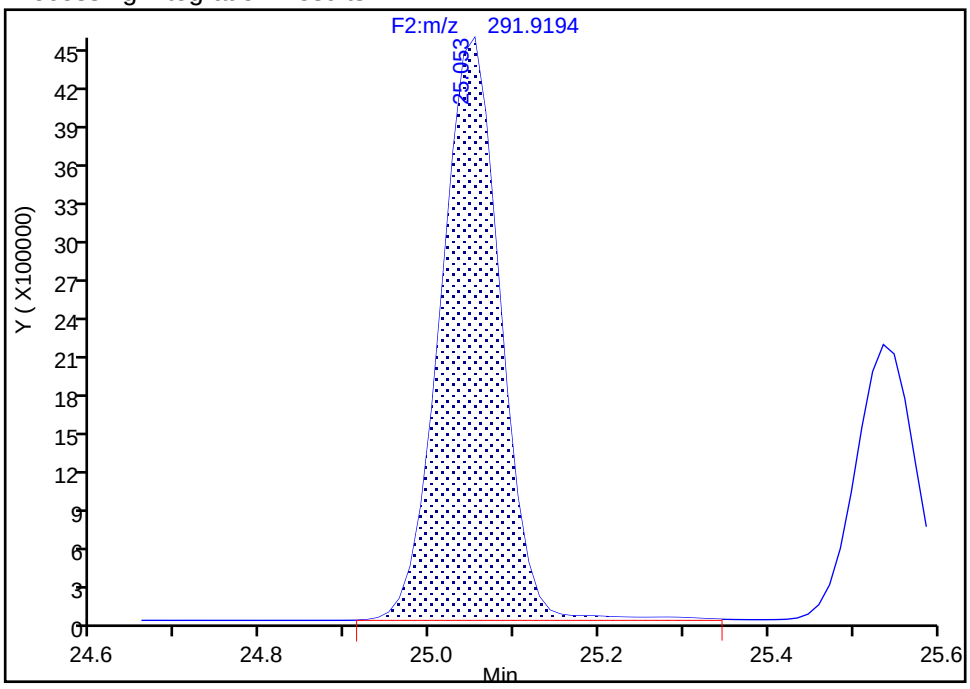
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

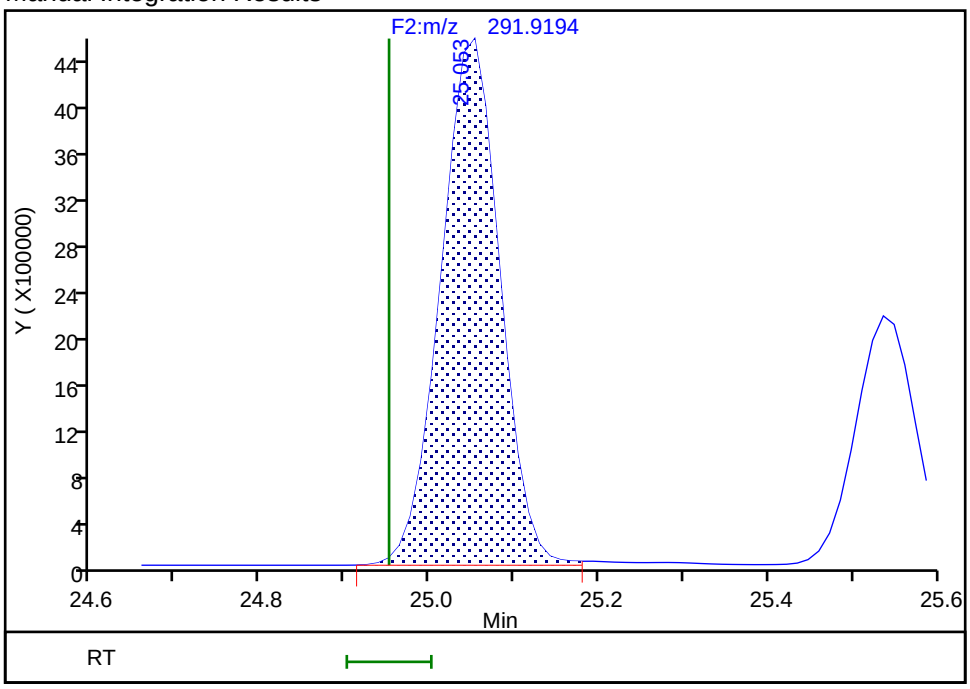
Processing Integration Results

RT: 25.05
Area: 22237474
Amount: 1180.9475
Amount Units: pg/ul




Manual Integration Results

RT: 25.05
Area: 22011400
Amount: 1168.7859
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:20:05

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

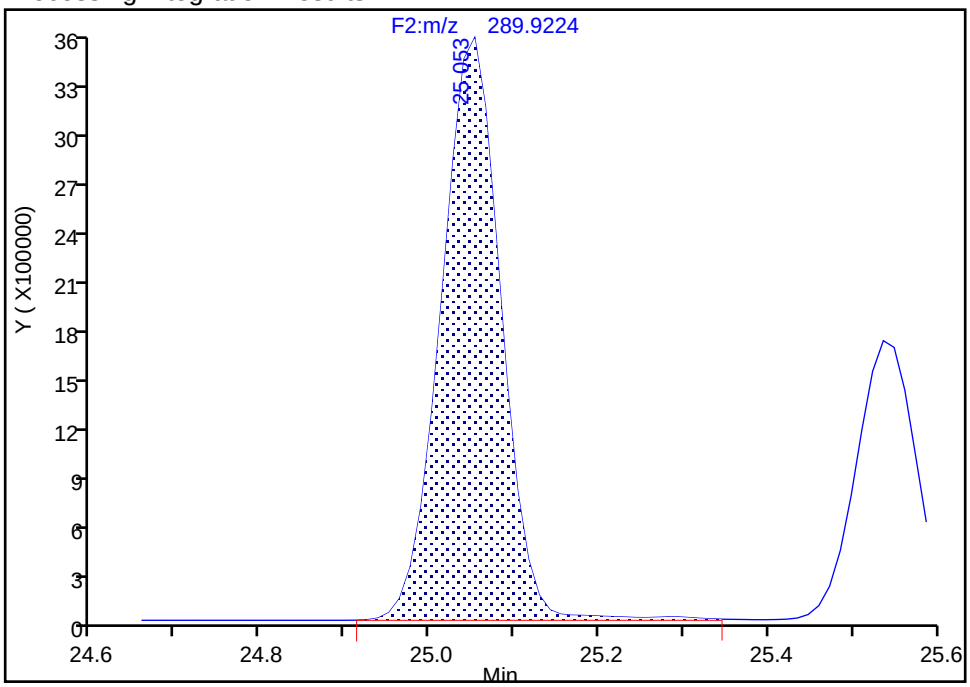
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

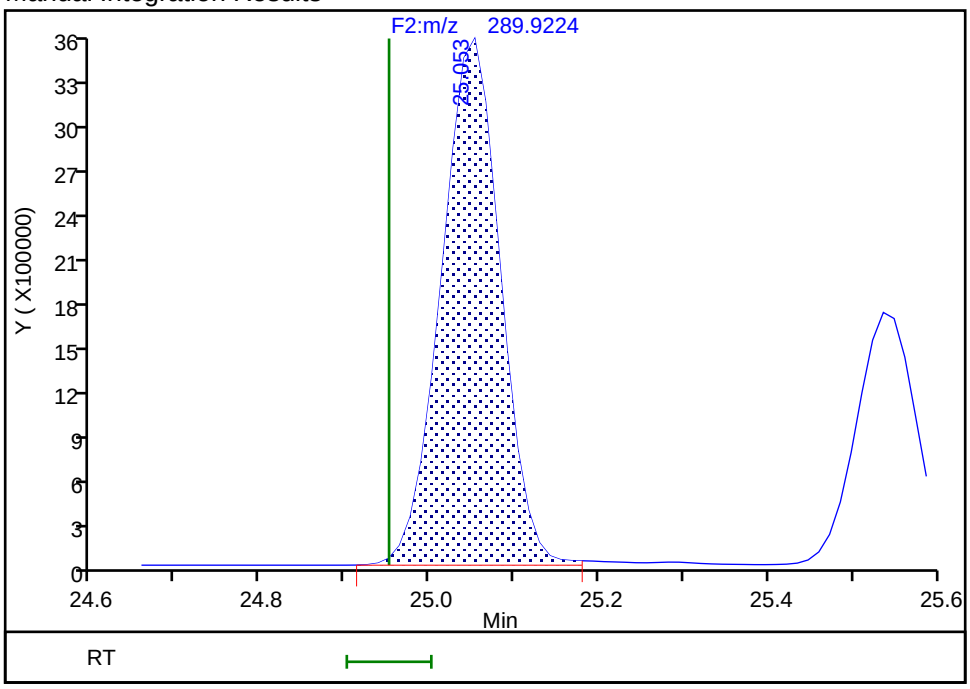
Processing Integration Results

RT: 25.05
Area: 17465674
Amount: 1180.9475
Amount Units: pg/ul




Manual Integration Results

RT: 25.05
Area: 17282877
Amount: 1168.7859
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:20:09

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

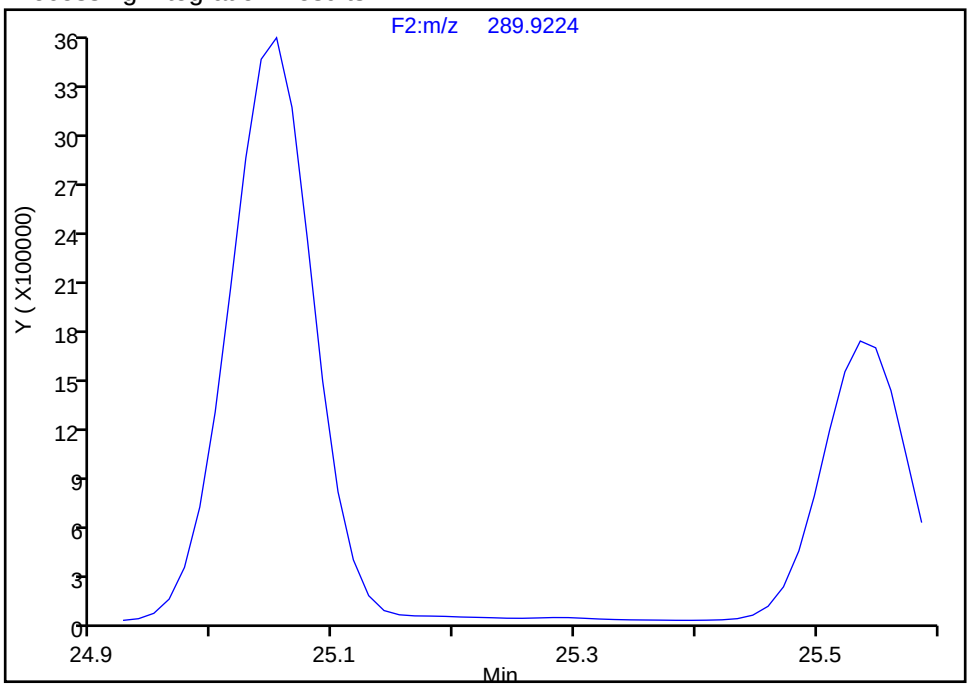
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

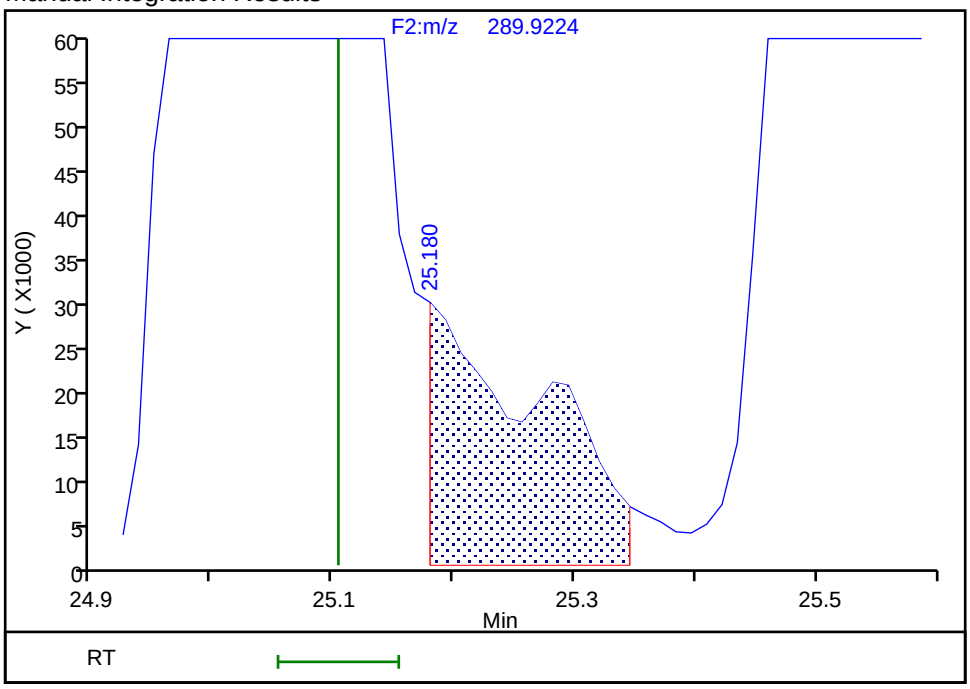
Not Detected
Expected RT: 25.10

Processing Integration Results




Manual Integration Results

RT: 25.18
Area: 182797
Amount: 10.943410
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:20:14
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

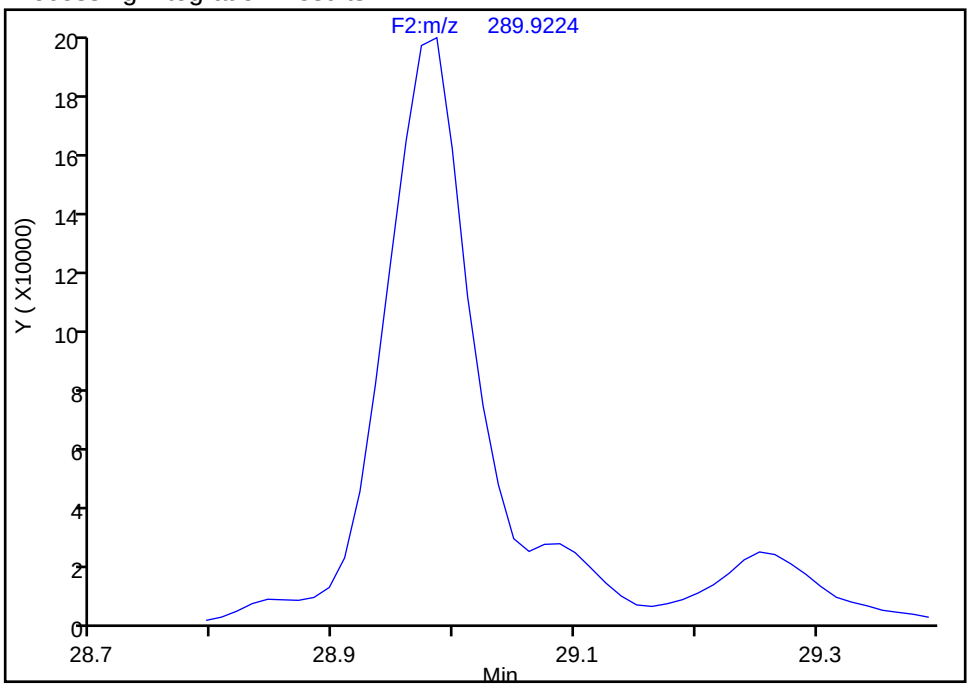
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

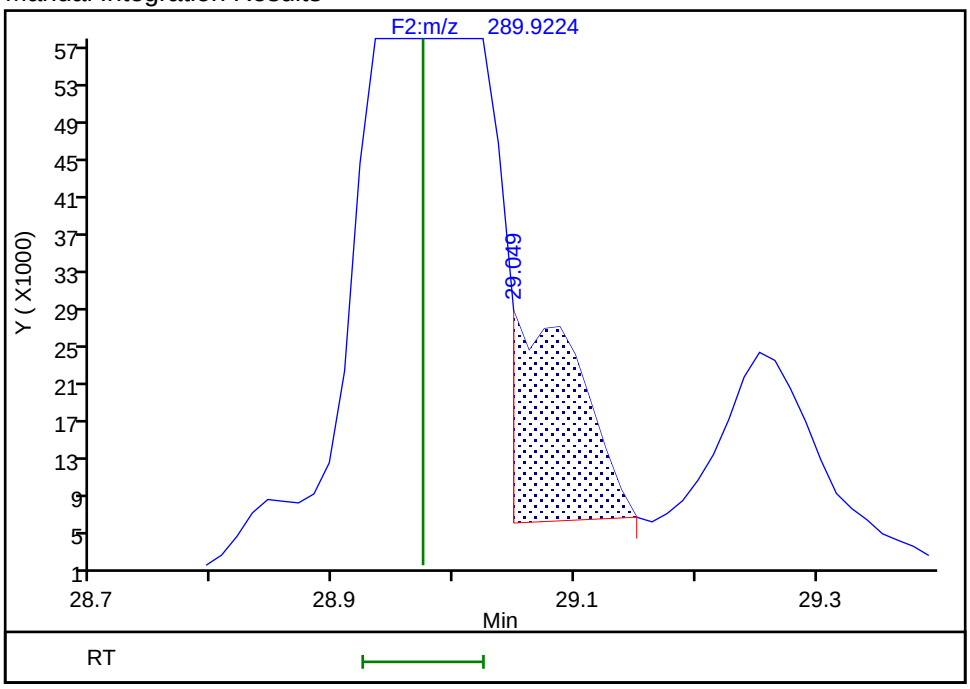
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 29.05
Area: 84395
Amount: 3.828758
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:20:39
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

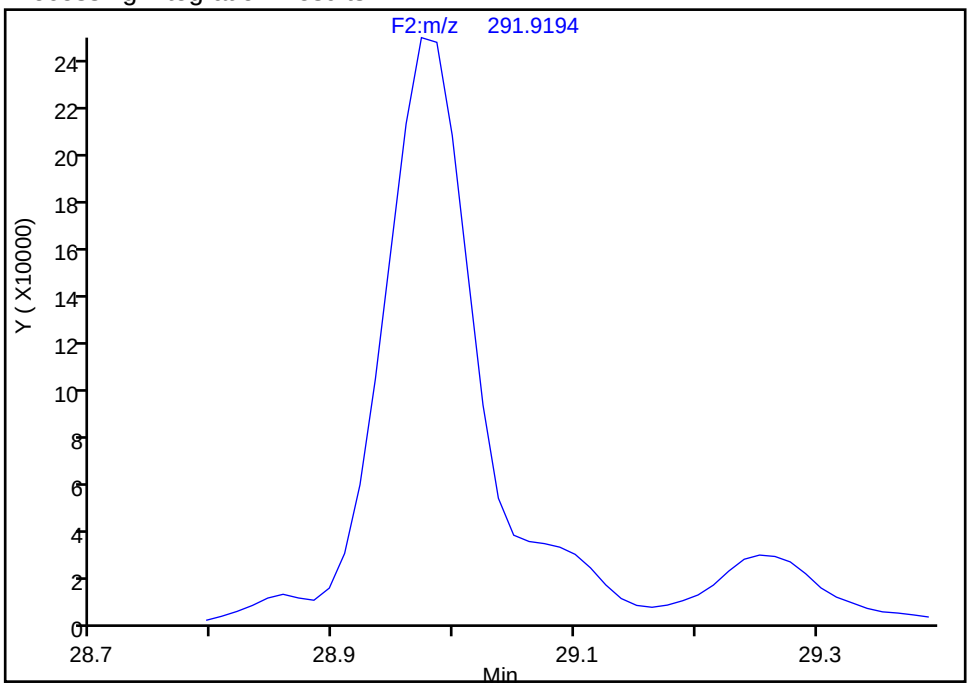
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

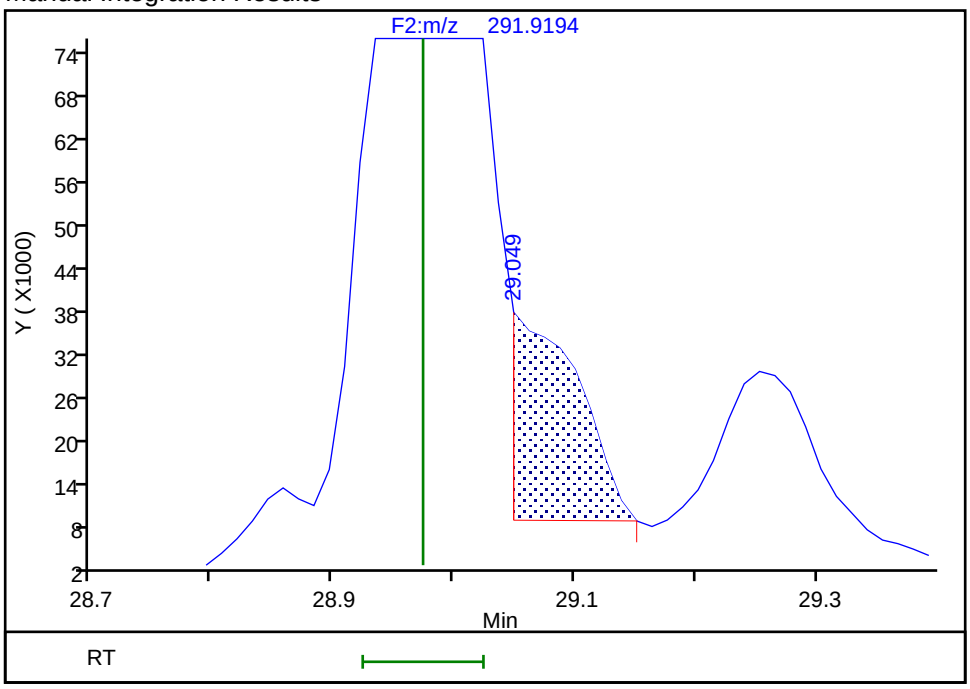
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 29.05
Area: 104751
Amount: 3.828758
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:20:42
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

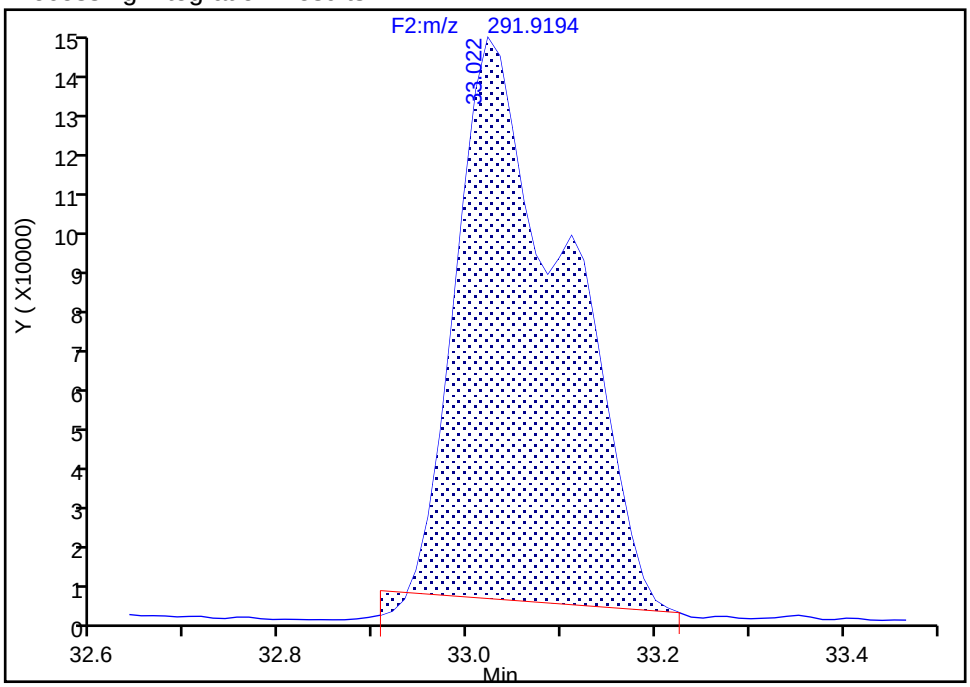
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-79, CAS: 41464-48-6

Signal: 2

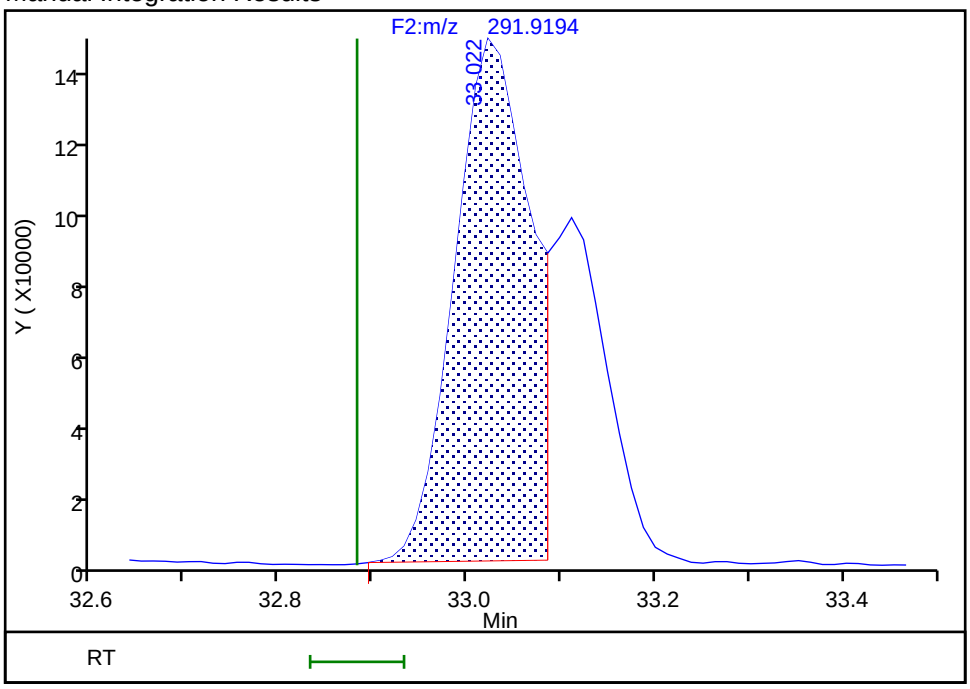
Processing Integration Results

RT: 33.02
Area: 1134658
Amount: 35.038853
Amount Units: pg/ul




Manual Integration Results

RT: 33.02
Area: 807519
Amount: 24.884044
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:21:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

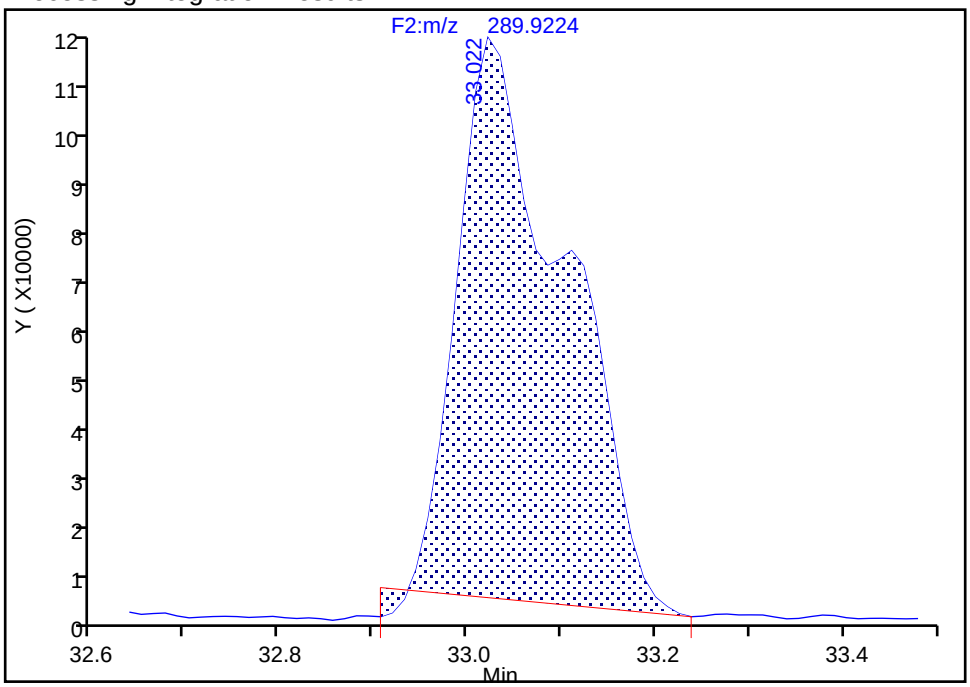
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-79, CAS: 41464-48-6

Signal: 1

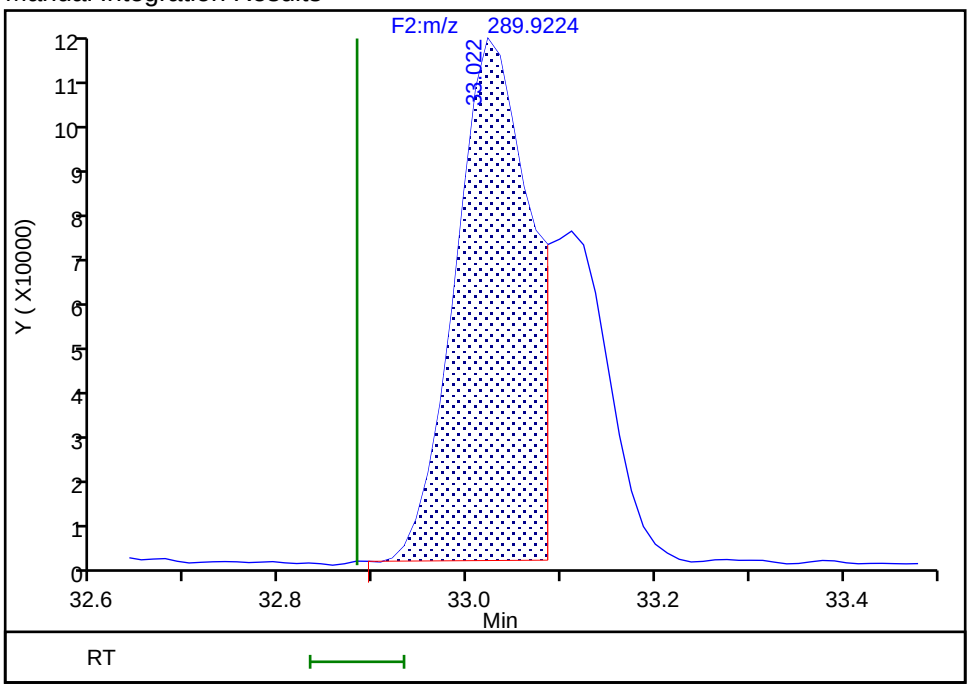
Processing Integration Results

RT: 33.02
Area: 885457
Amount: 35.038853
Amount Units: pg/ul




Manual Integration Results

RT: 33.02
Area: 627135
Amount: 24.884044
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:21:20

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

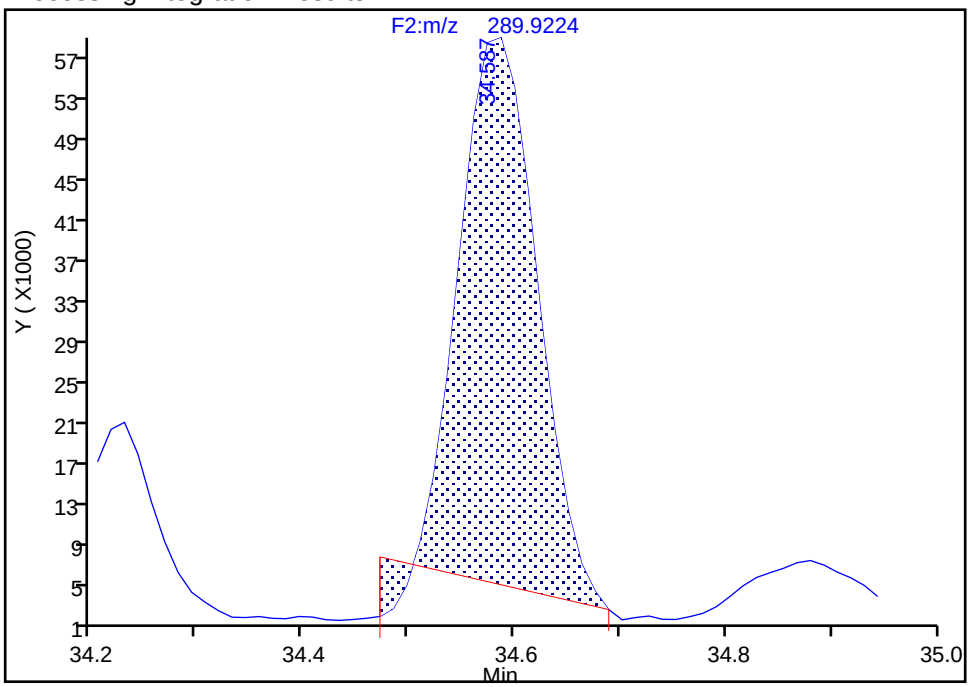
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-77, CAS: 32598-13-3

Signal: 1

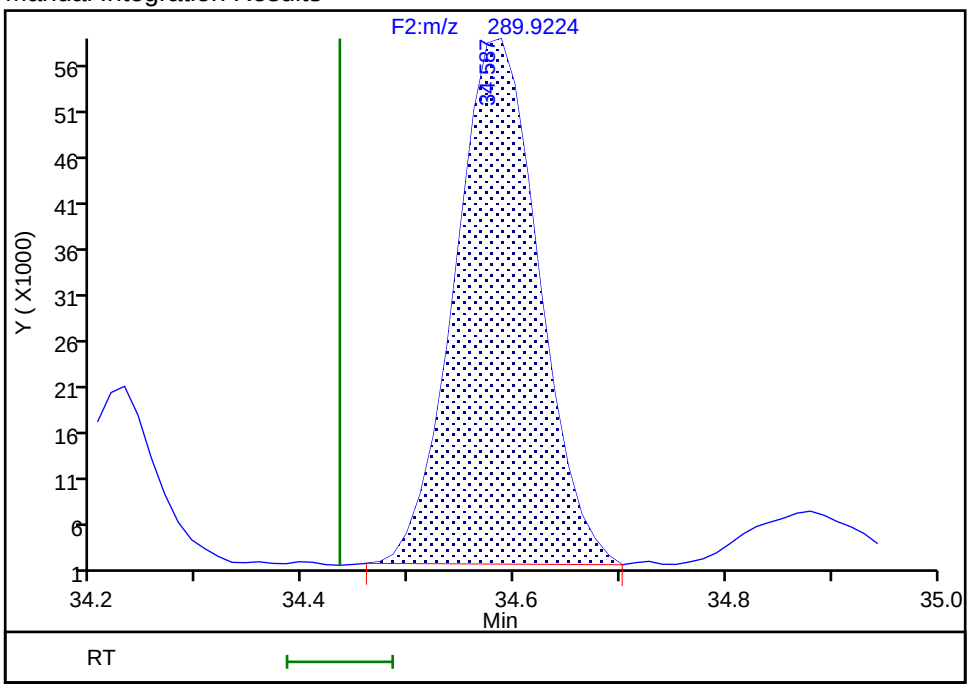
Processing Integration Results

RT: 34.59
Area: 270477
Amount: 11.920098
Amount Units: pg/ul




Manual Integration Results

RT: 34.59
Area: 317019
Amount: 13.766773
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:21:42

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

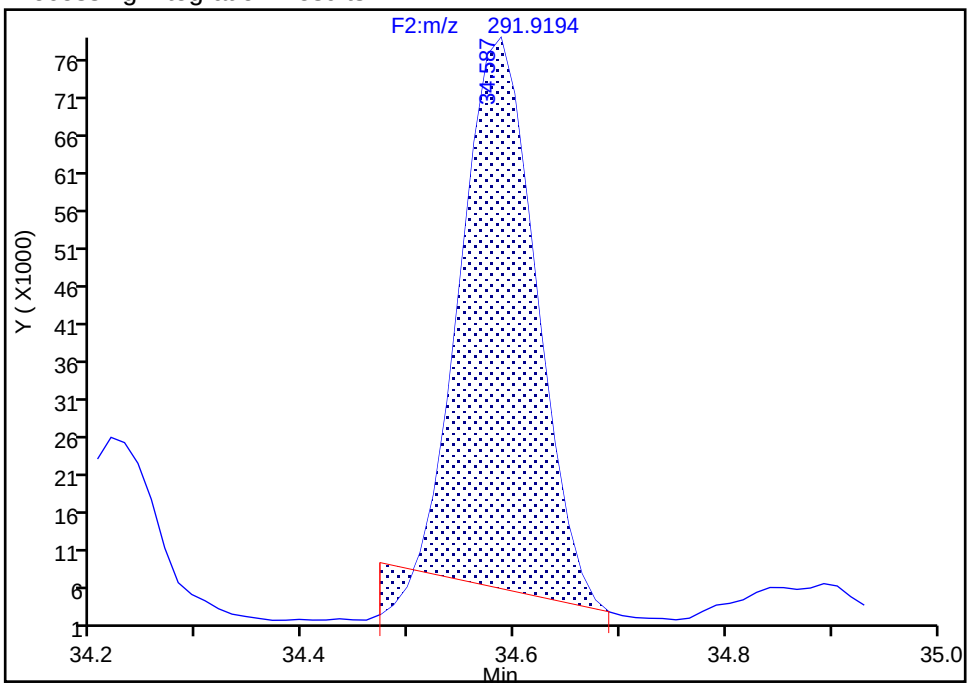
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-77, CAS: 32598-13-3

Signal: 2

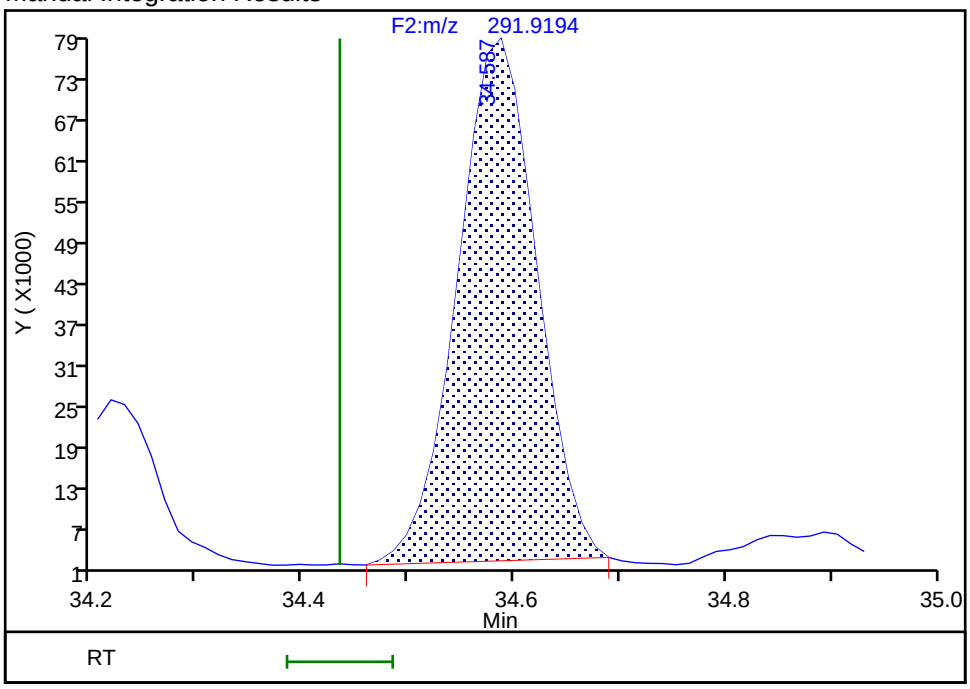
Processing Integration Results

RT: 34.59
Area: 346624
Amount: 11.920098
Amount Units: pg/ul




Manual Integration Results

RT: 34.59
Area: 395684
Amount: 13.766773
Amount Units: pg/ul



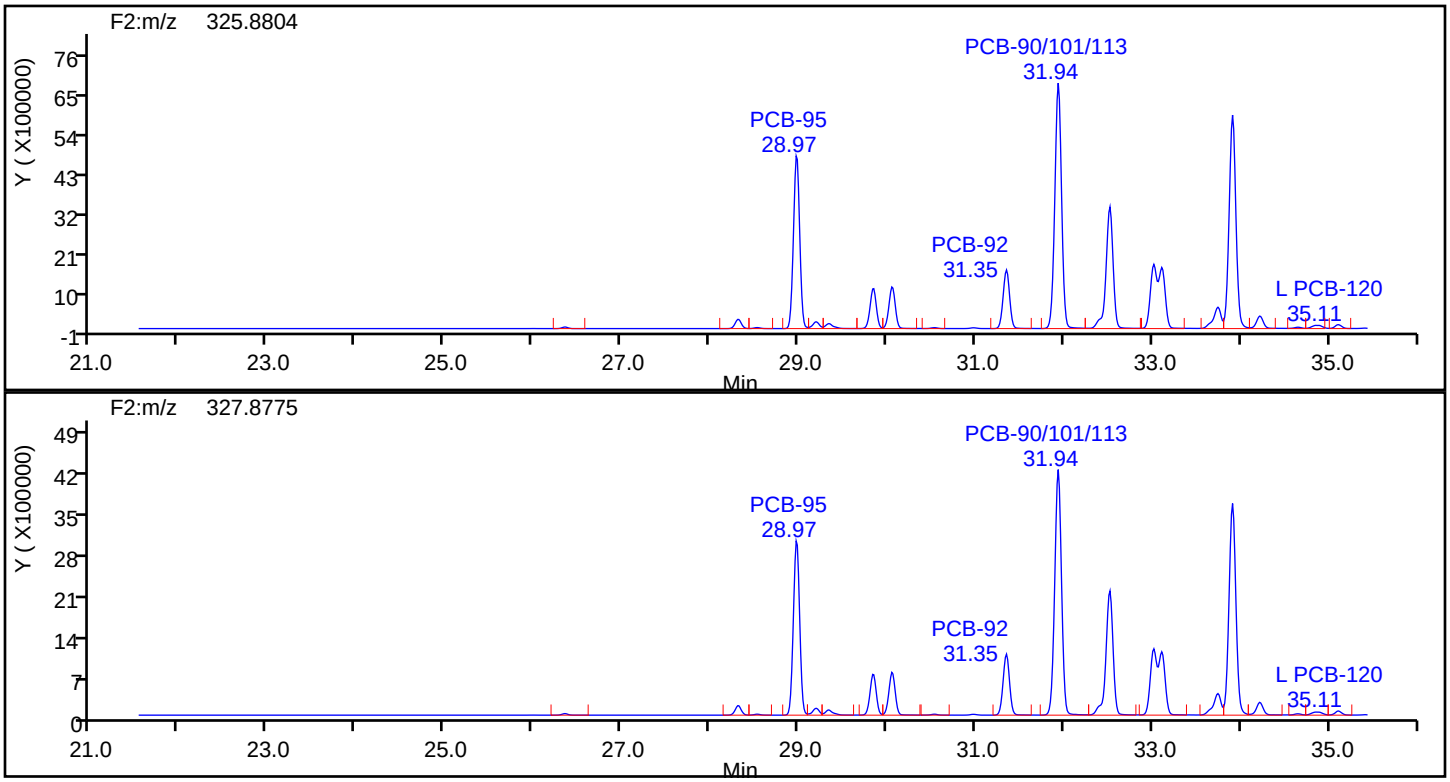

Reviewer: davidsonm, 10-Oct-2019 08:21:45

Audit Action: Manually Integrated Audit Reason: Baseline

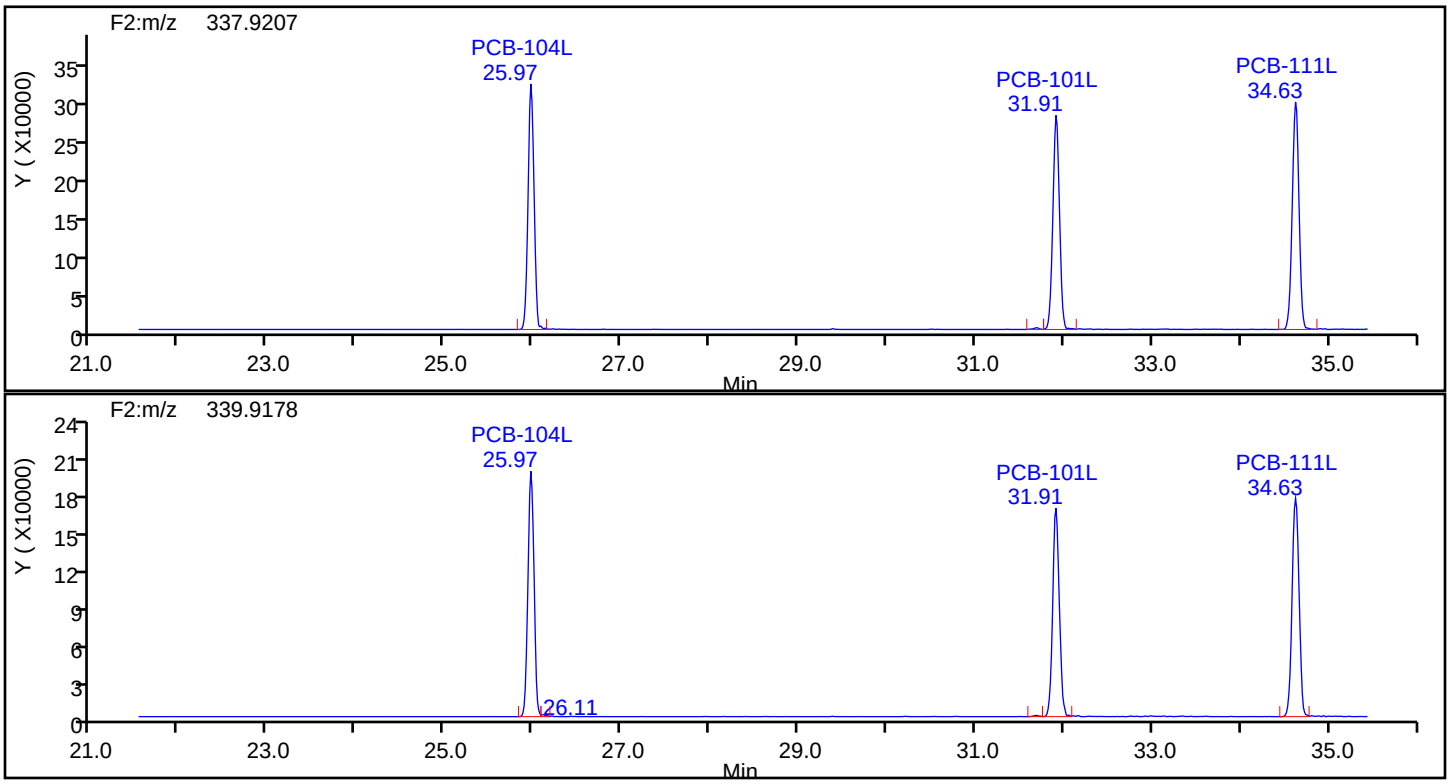
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



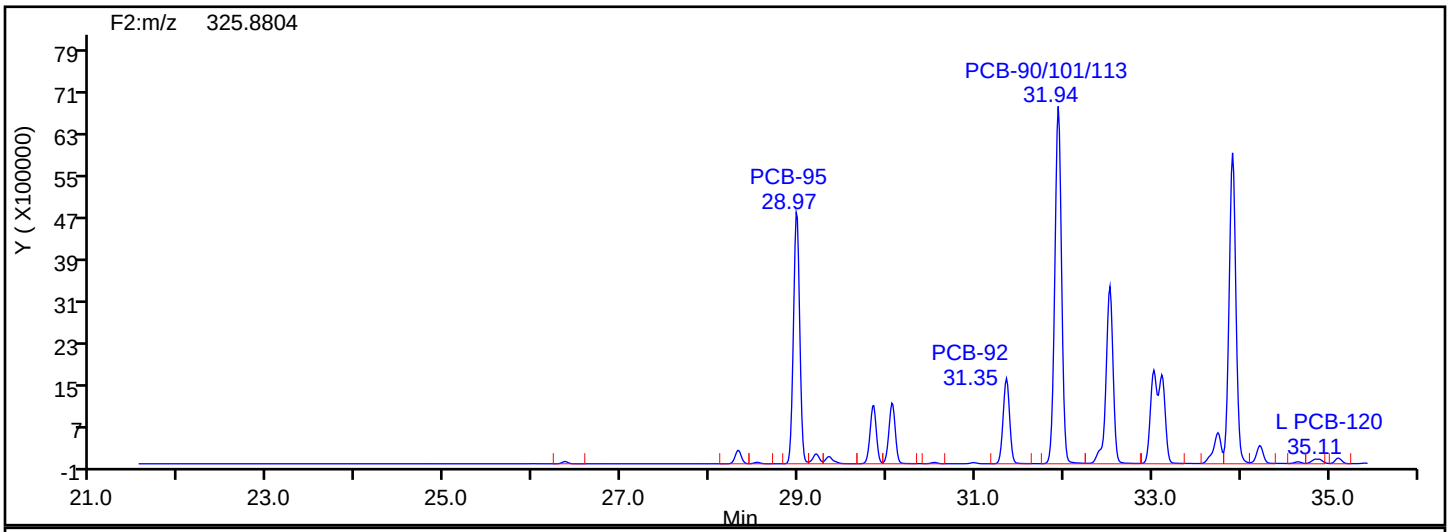

PePCB F2 Standards

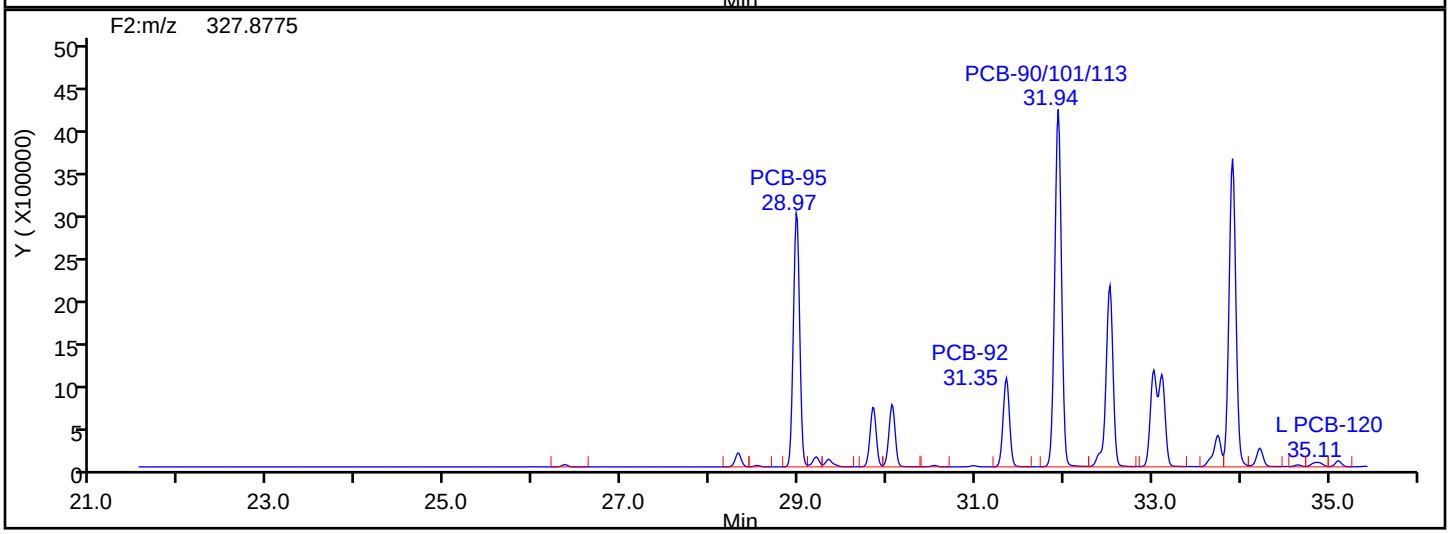


Eurofins TestAmerica, Knoxville

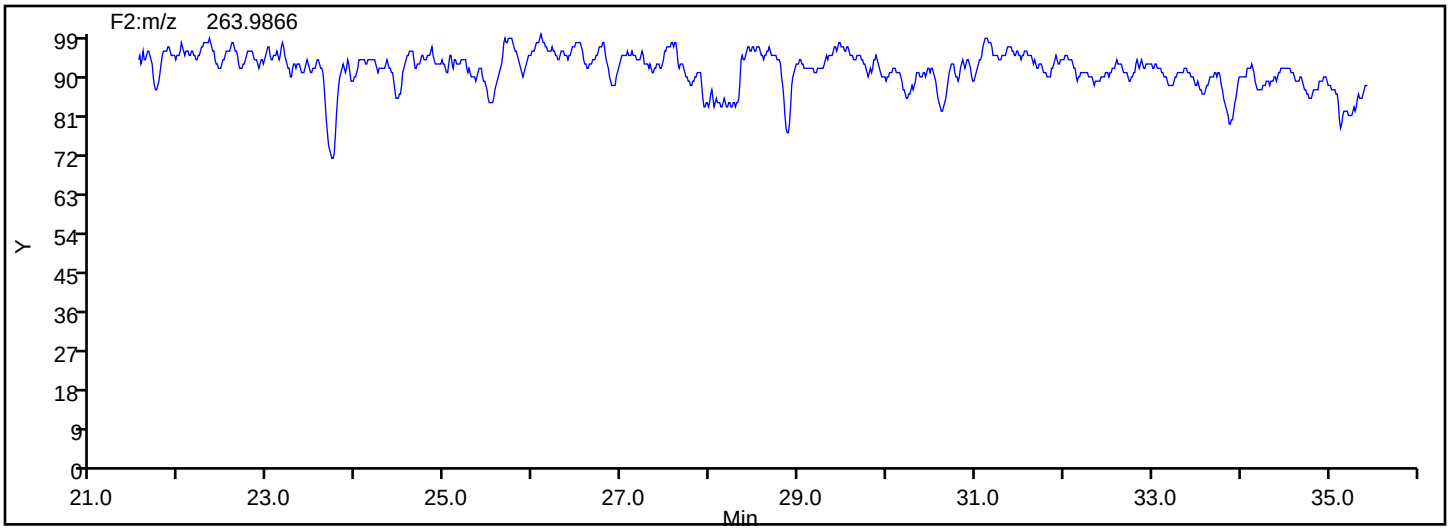
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

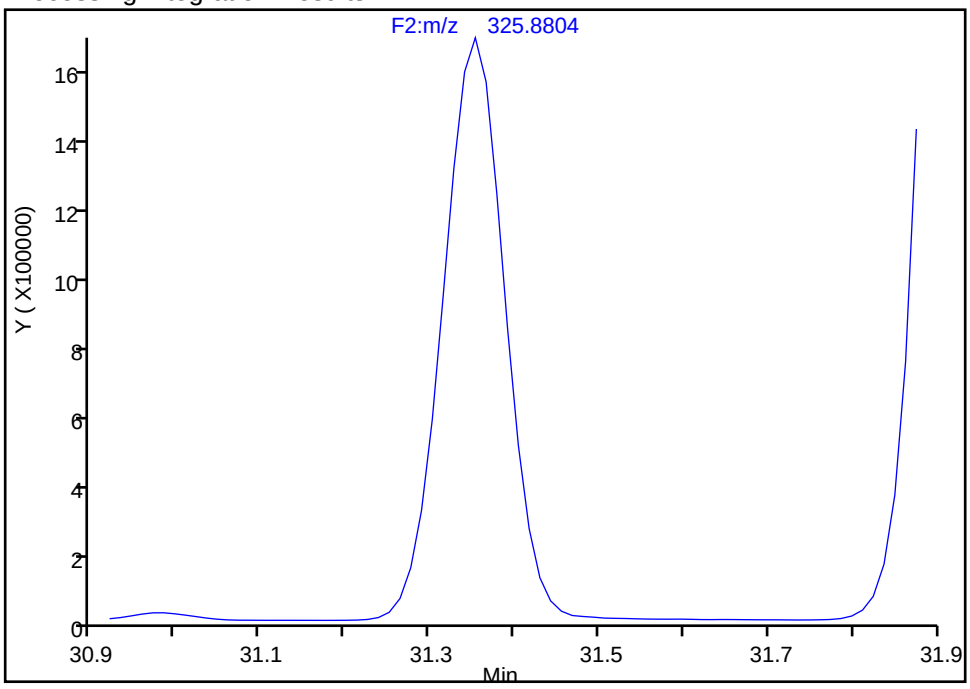
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-92, CAS: 52663-61-3

Signal: 1

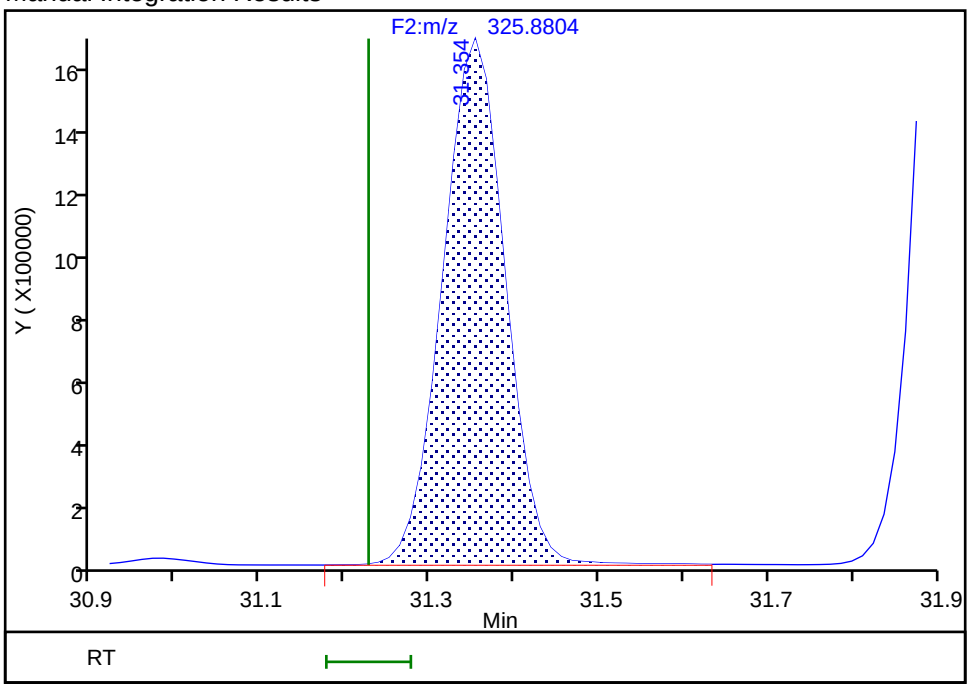
Not Detected
Expected RT: 31.23

Processing Integration Results




Manual Integration Results

RT: 31.35
Area: 8385689
Amount: 586.4816
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:22:54
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

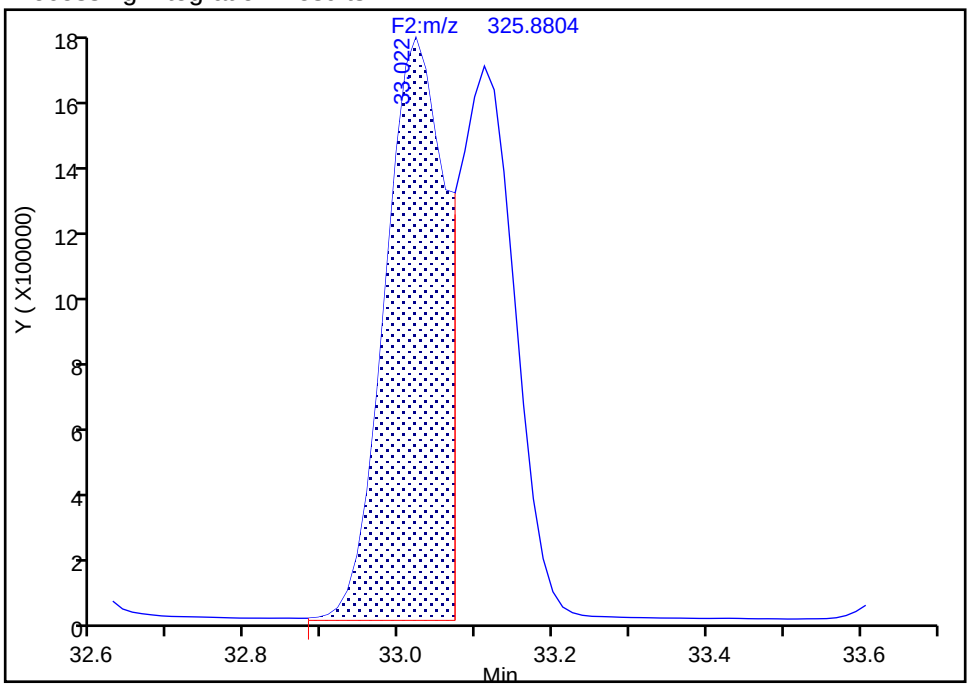
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

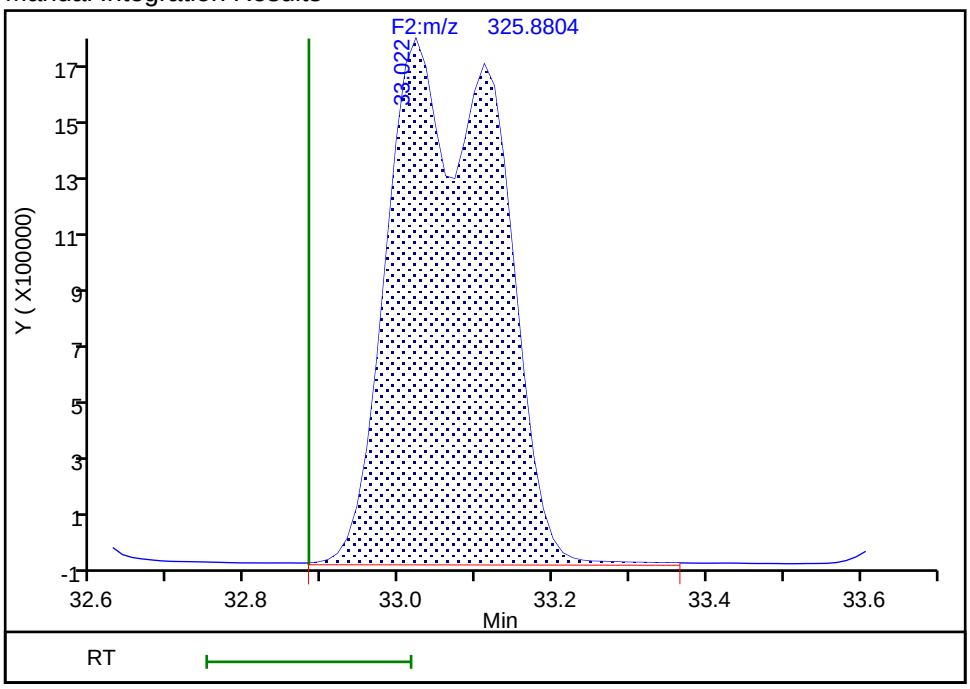
Processing Integration Results

RT: 33.02
Area: 9590937
Amount: 535.5299
Amount Units: pg/ul




Manual Integration Results

RT: 33.02
Area: 17907200
Amount: 997.2310
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:23:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

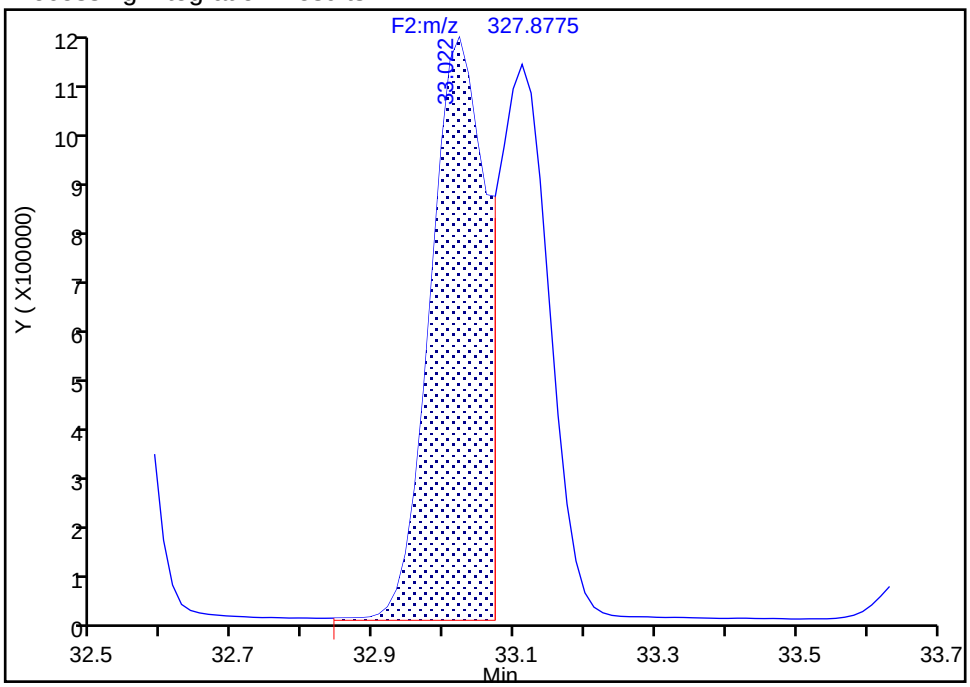
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

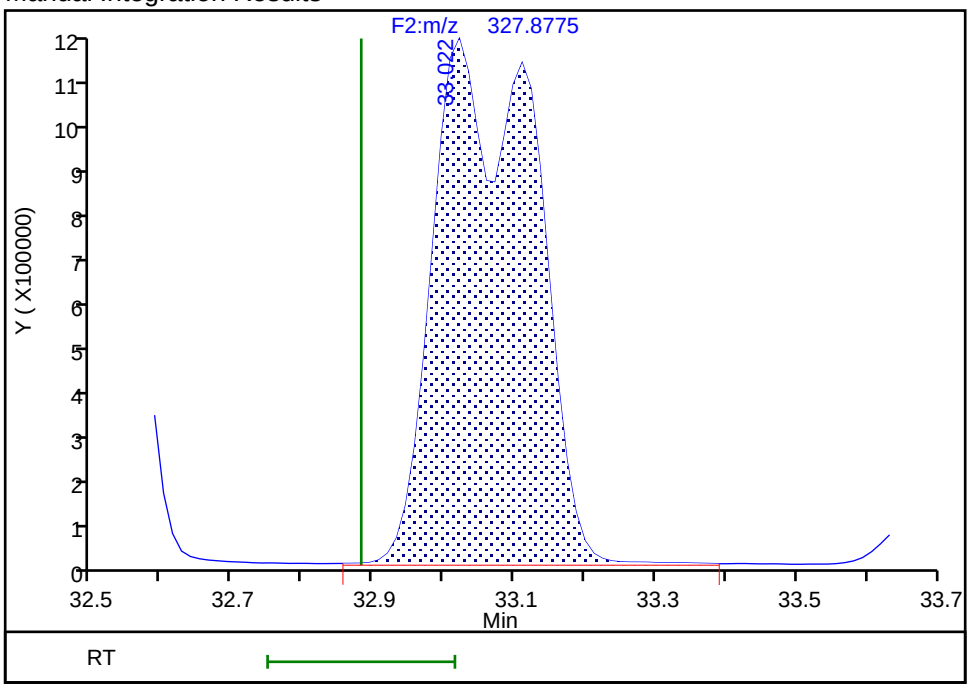
Processing Integration Results

RT: 33.02
Area: 6182601
Amount: 535.5299
Amount Units: pg/ul




Manual Integration Results

RT: 33.02
Area: 11465320
Amount: 997.2310
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:23:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

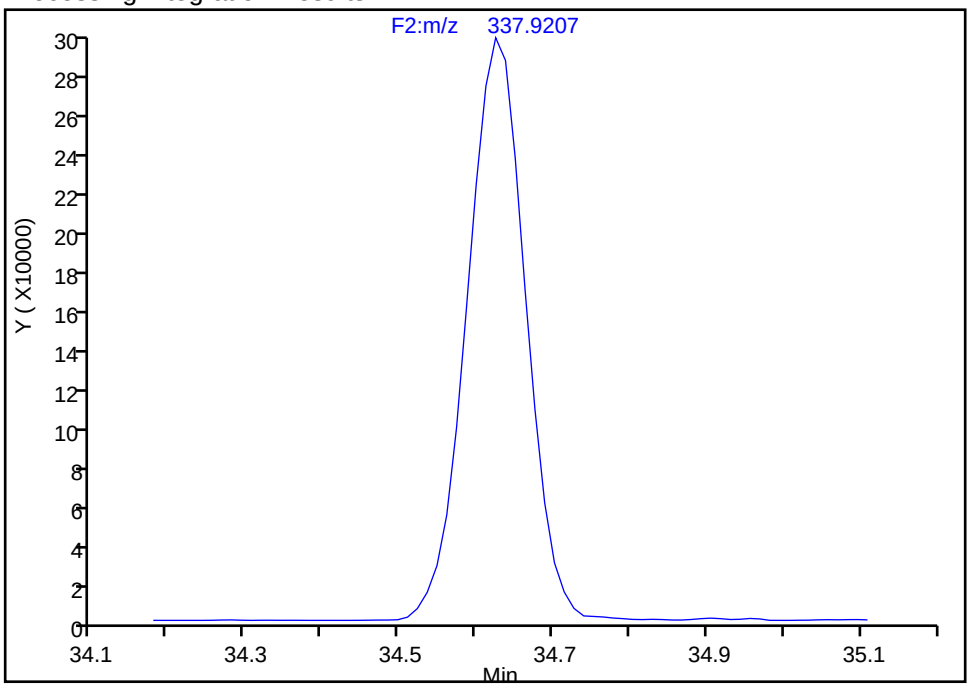
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-111L, CAS: 235416-29-2

Signal: 1

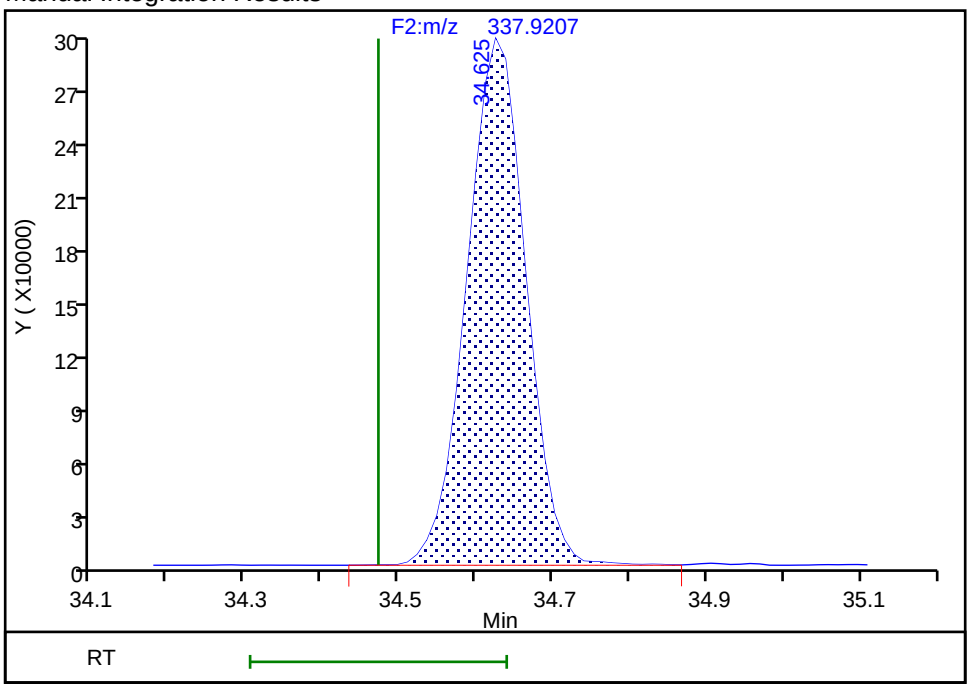
Not Detected
Expected RT: 34.47

Processing Integration Results




Manual Integration Results

RT: 34.63
Area: 1587924
Amount: 89.947081
Amount Units: pg/ul



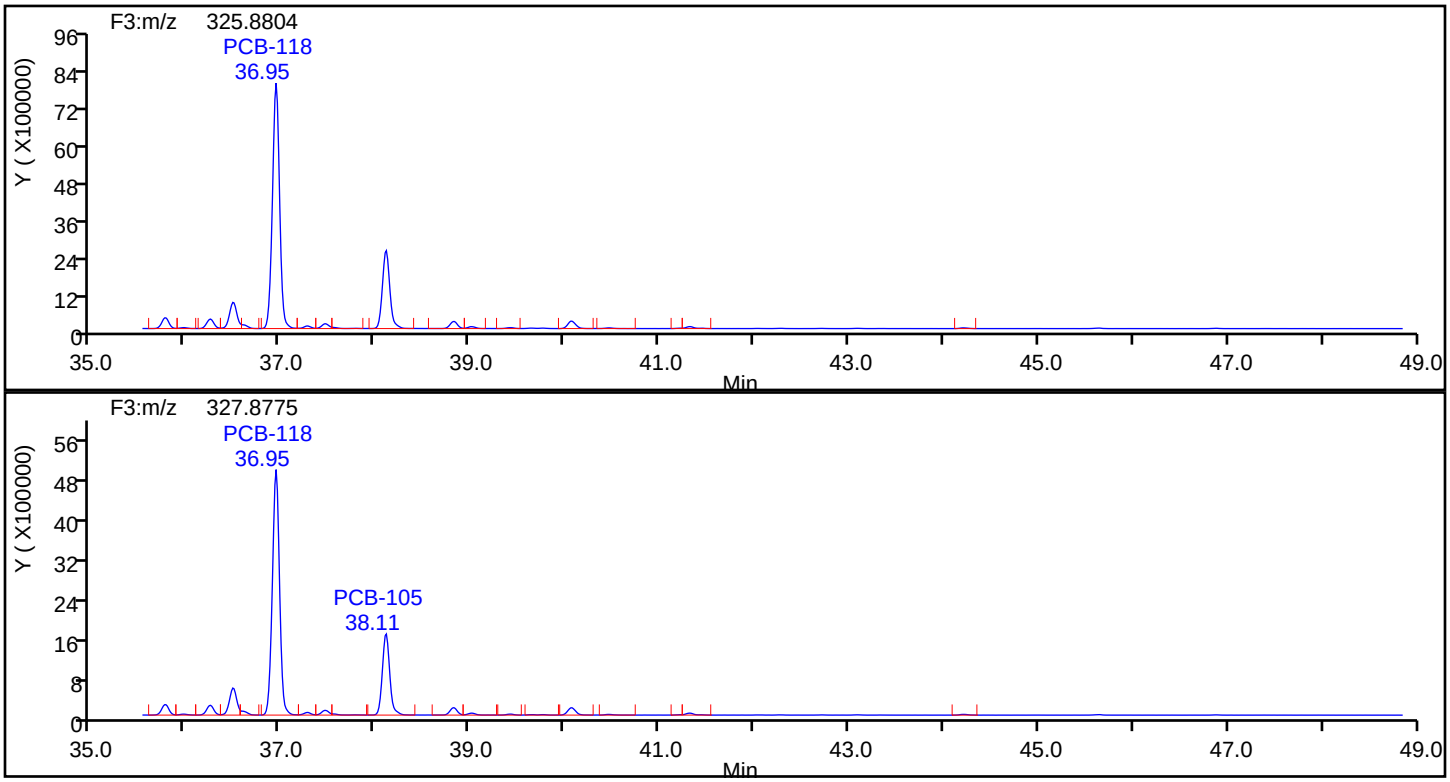

Reviewer: davidsonm, 10-Oct-2019 08:21:57
Audit Action: Assigned Compound ID Audit Reason: Baseline

Report Date: 10-Oct-2019 08:26:46 Chrom Revision: 2.3 17-Sep-2019 16:19:08

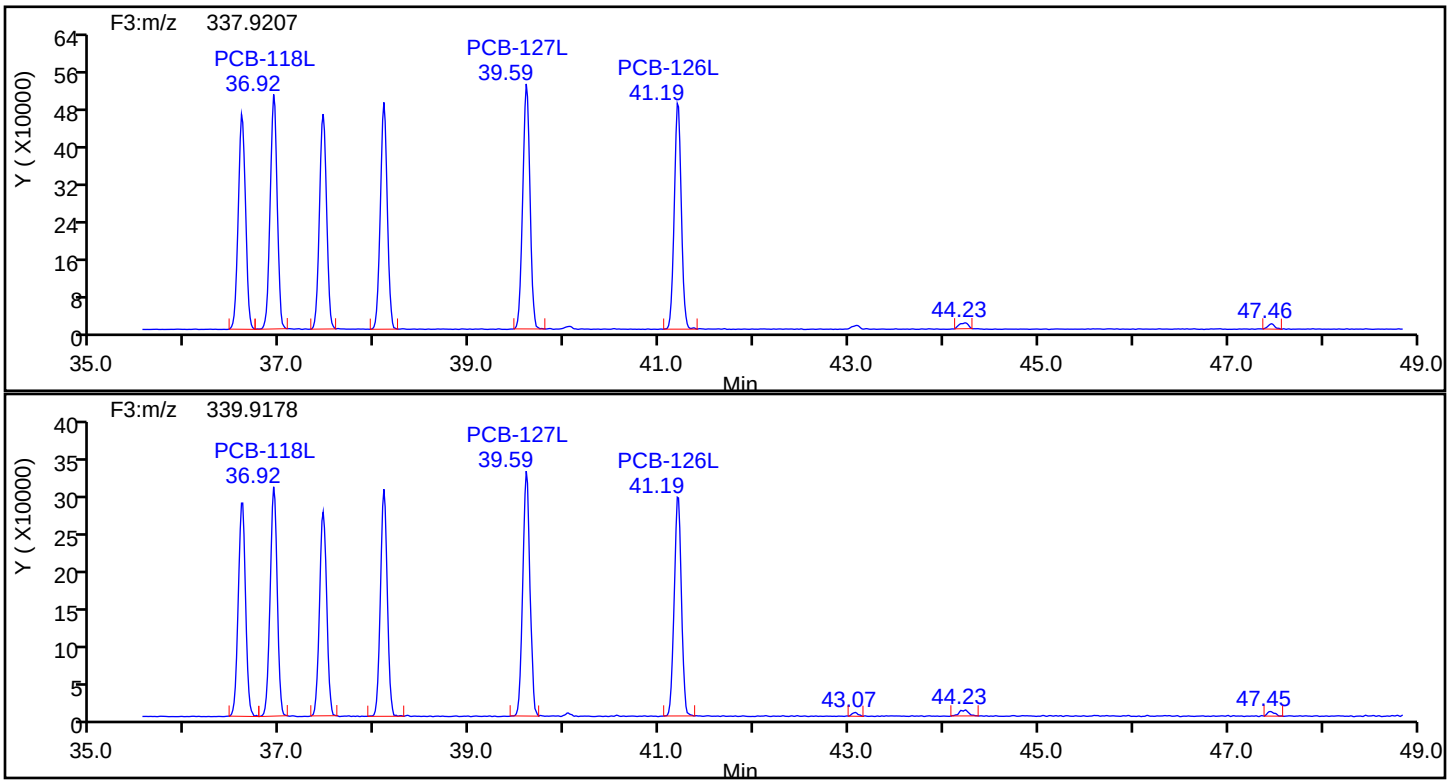
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



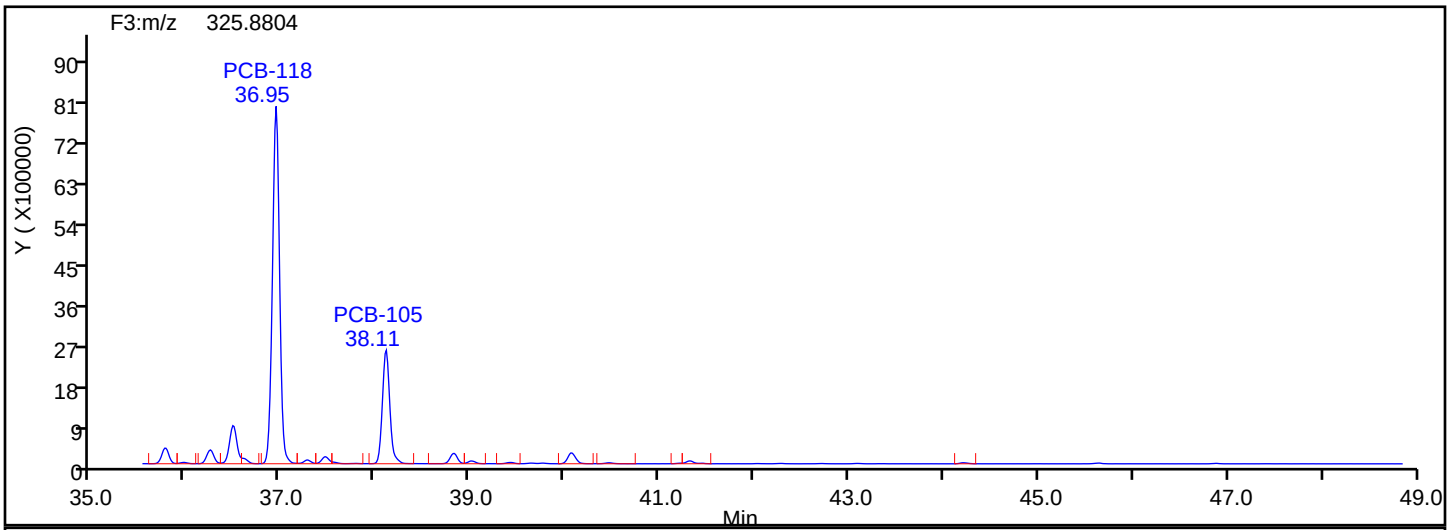

PePCB F3 Standards

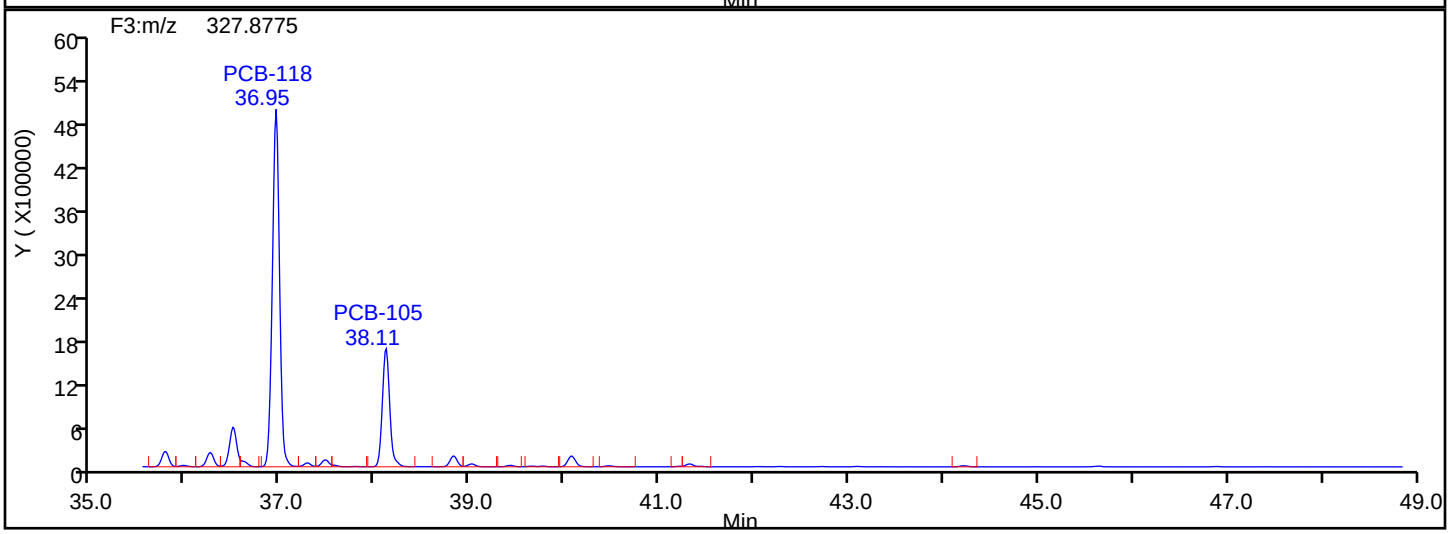


Eurofins TestAmerica, Knoxville

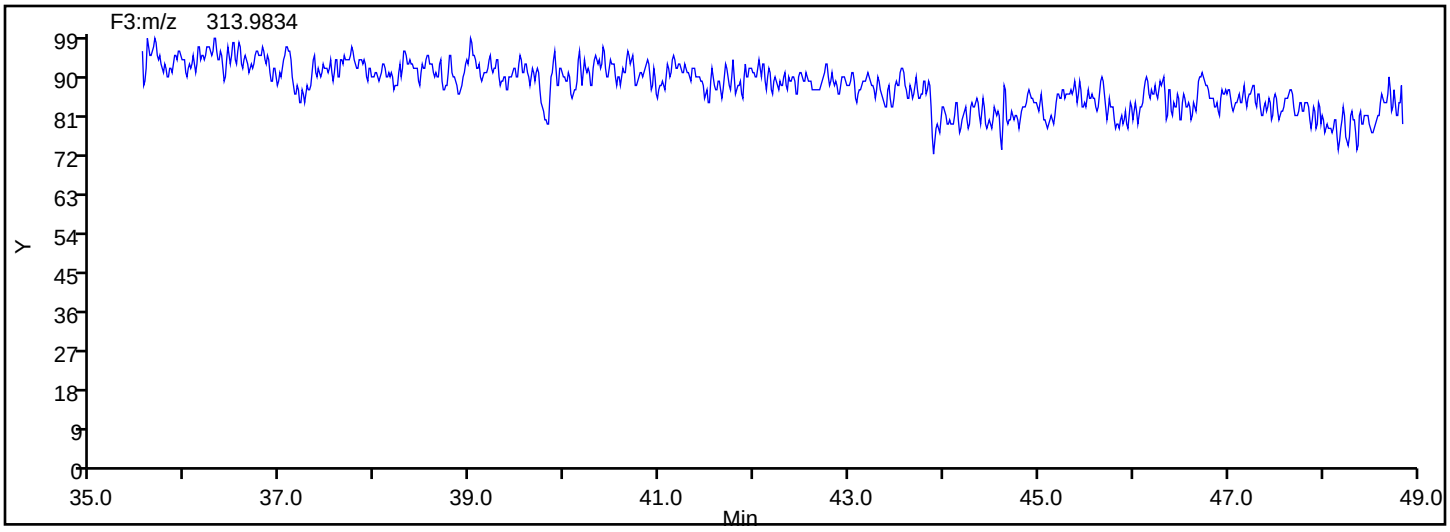
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

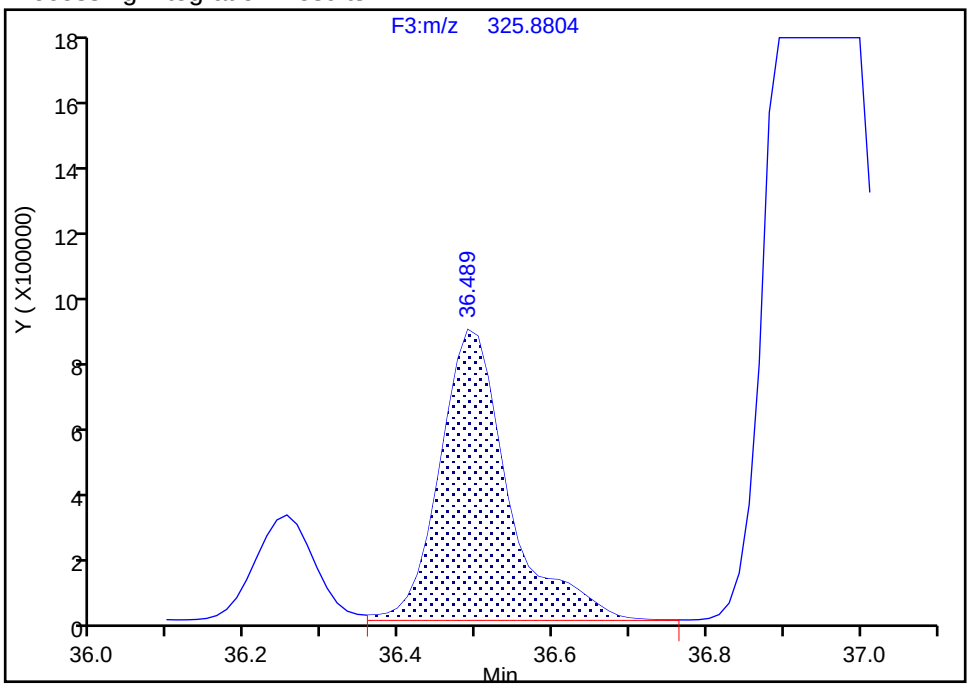
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

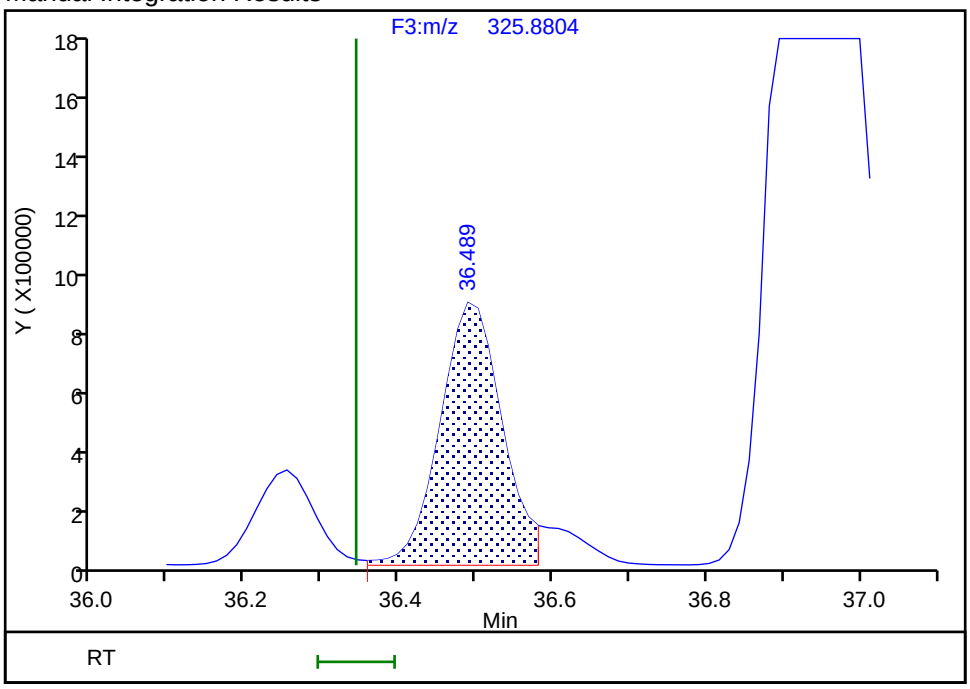
Processing Integration Results

RT: 36.49
Area: 5256748
Amount: 156.6509
Amount Units: pg/ul




Manual Integration Results

RT: 36.49
Area: 4729993
Amount: 139.7553
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:23:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

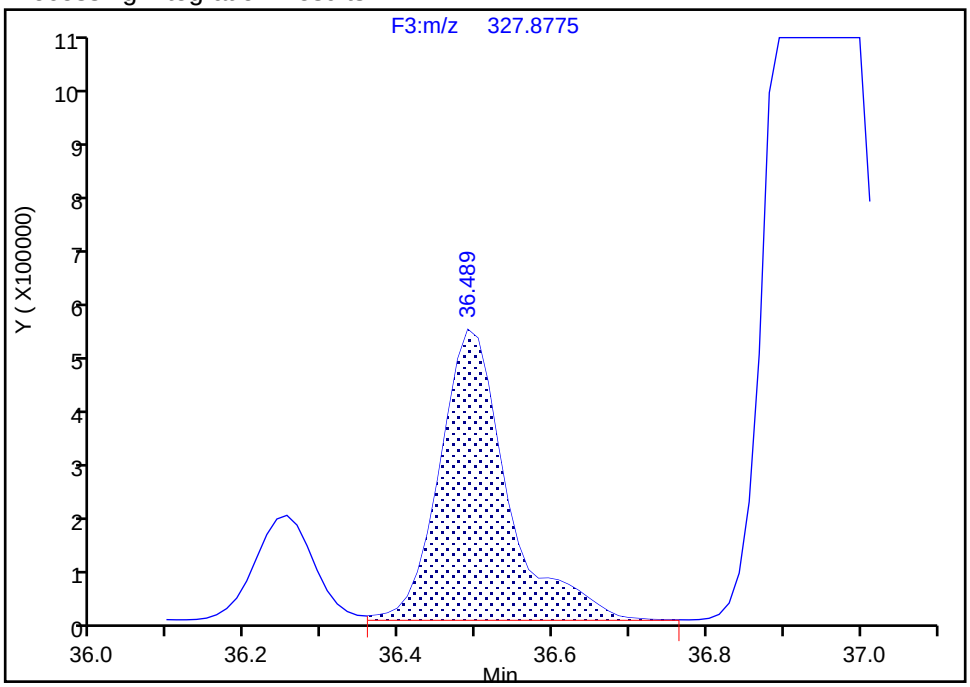
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

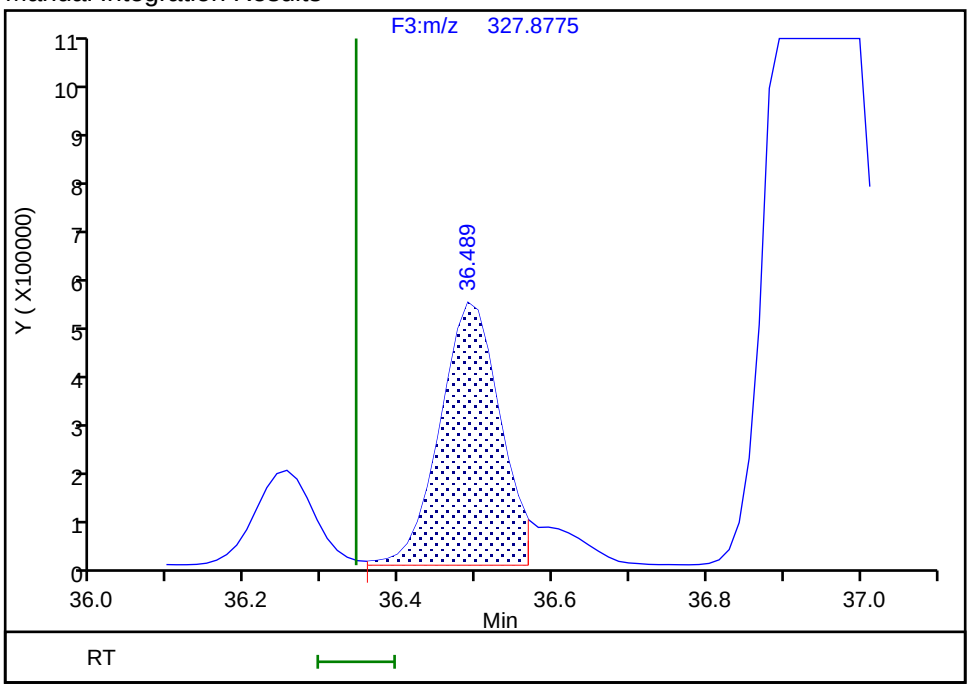
Processing Integration Results

RT: 36.49
Area: 3331122
Amount: 156.6509
Amount Units: pg/ul




Manual Integration Results

RT: 36.49
Area: 2931633
Amount: 139.7553
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:23:55

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

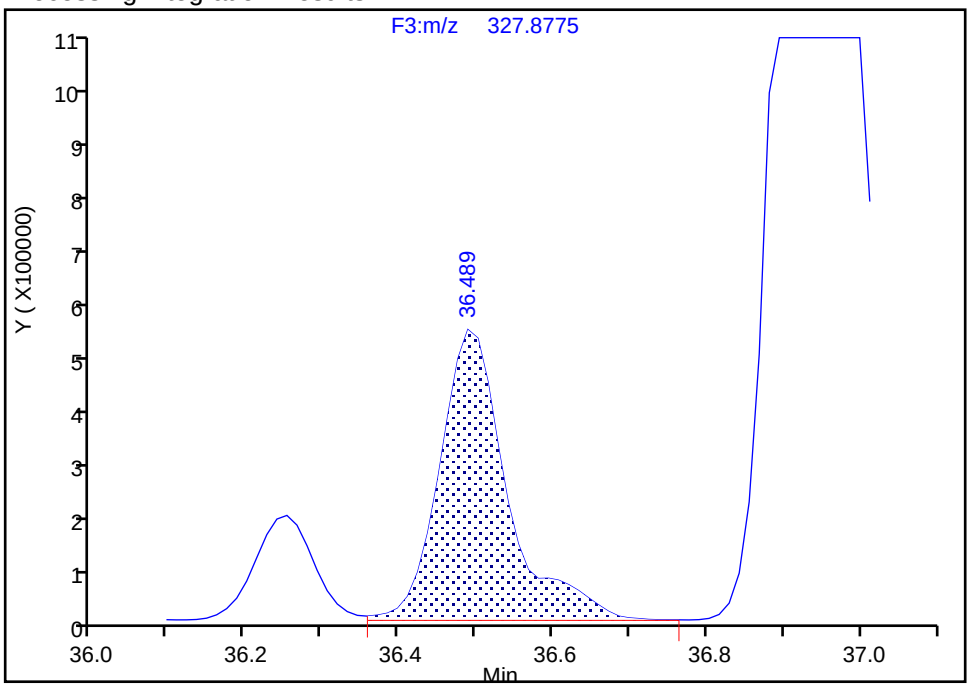
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 2

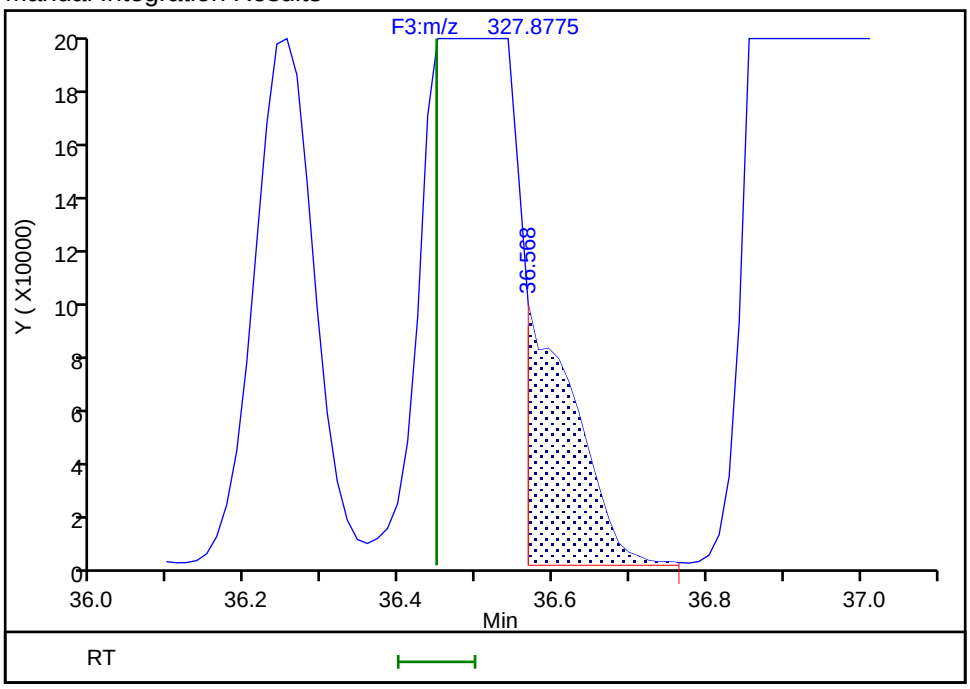
Processing Integration Results

RT: 36.49
Area: 3331122
Amount: 159.0784
Amount Units: pg/ul




Manual Integration Results

RT: 36.57
Area: 399488
Amount: 17.157346
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:23:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

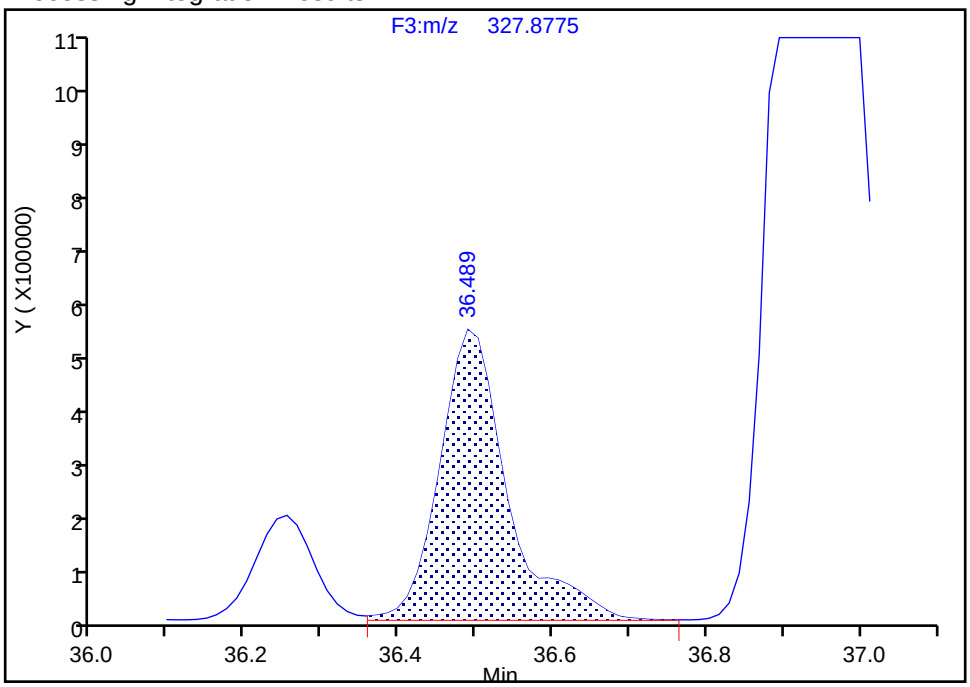
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 3

Processing Integration Results

RT: 36.49
Area: 8587870
Amount: 159.0784
Amount Units: pg/ul




Manual Integration Results

RT: 36.58
Area: 926242
Amount: 17.157346
Amount Units: pg/ul
Reviewer: davidsonm, 10-Oct-2019 08:23:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

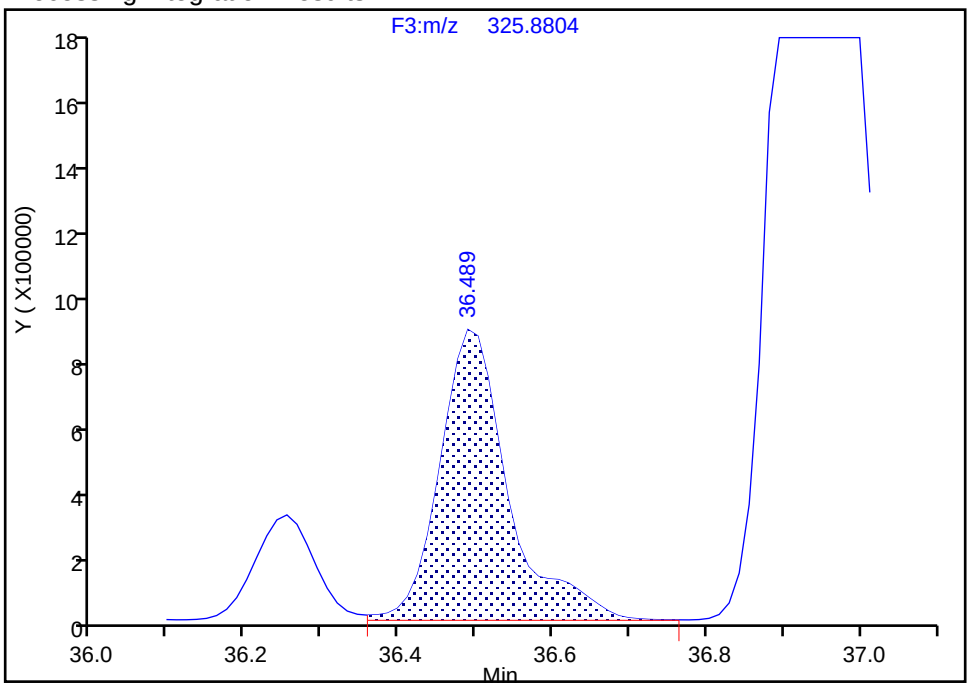
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

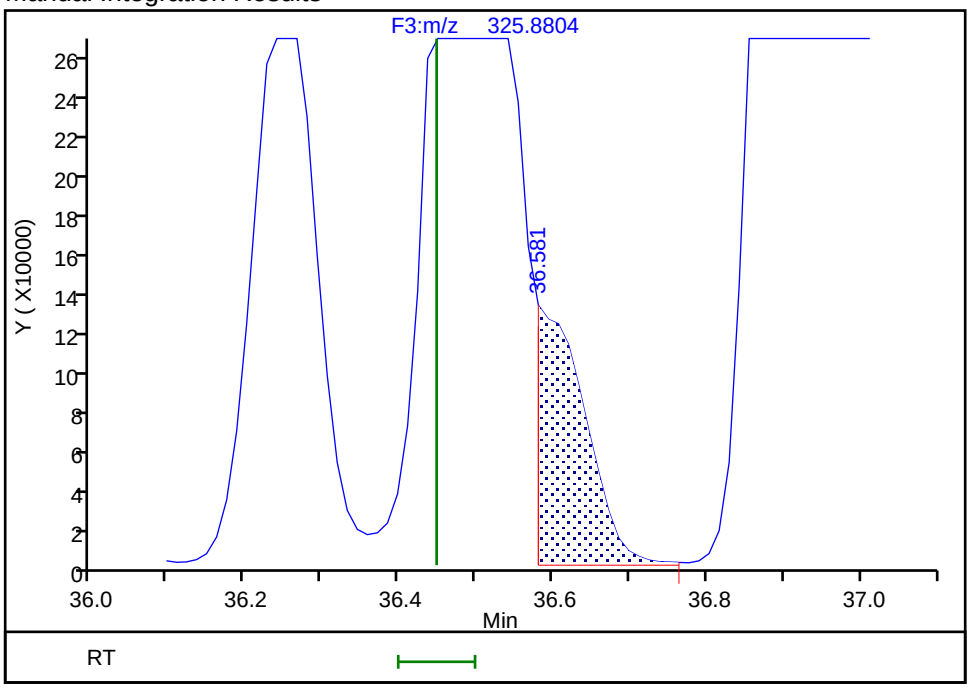
Processing Integration Results

RT: 36.49
Area: 5256748
Amount: 159.0784
Amount Units: pg/ul




Manual Integration Results

RT: 36.58
Area: 526754
Amount: 17.157346
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:01

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

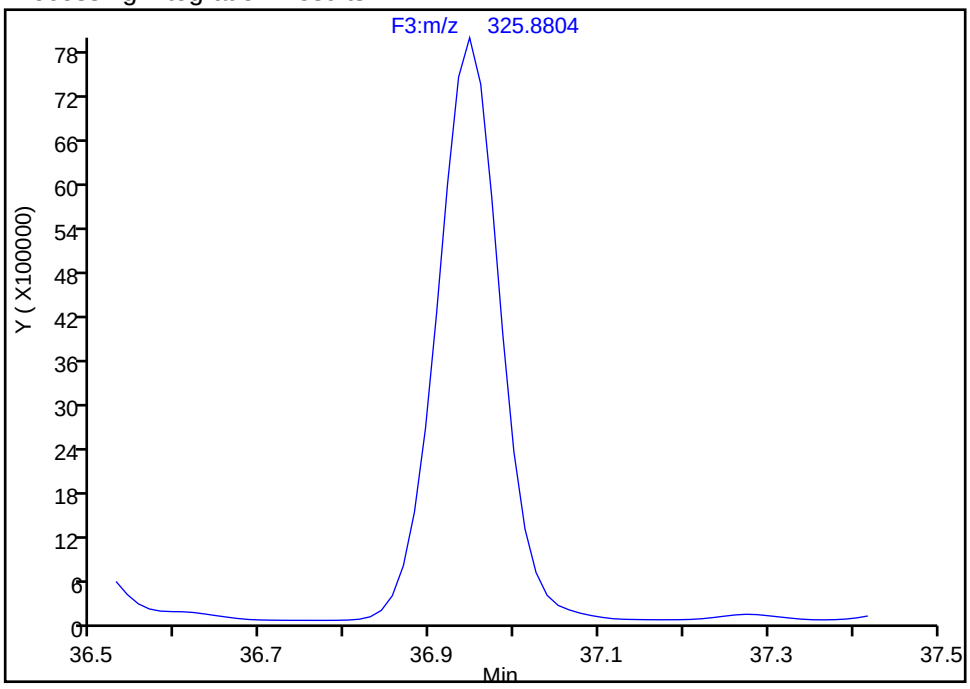
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118, CAS: 31508-00-6

Signal: 1

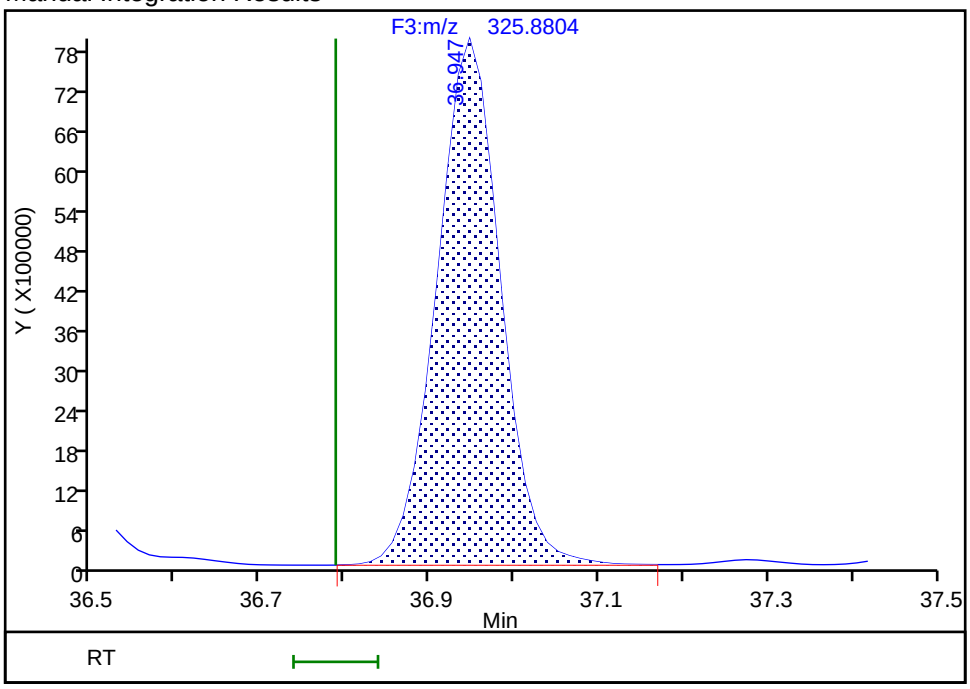
Not Detected
Expected RT: 36.79

Processing Integration Results




Manual Integration Results

RT: 36.95
Area: 41638136
Amount: 1252.6727
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:08
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

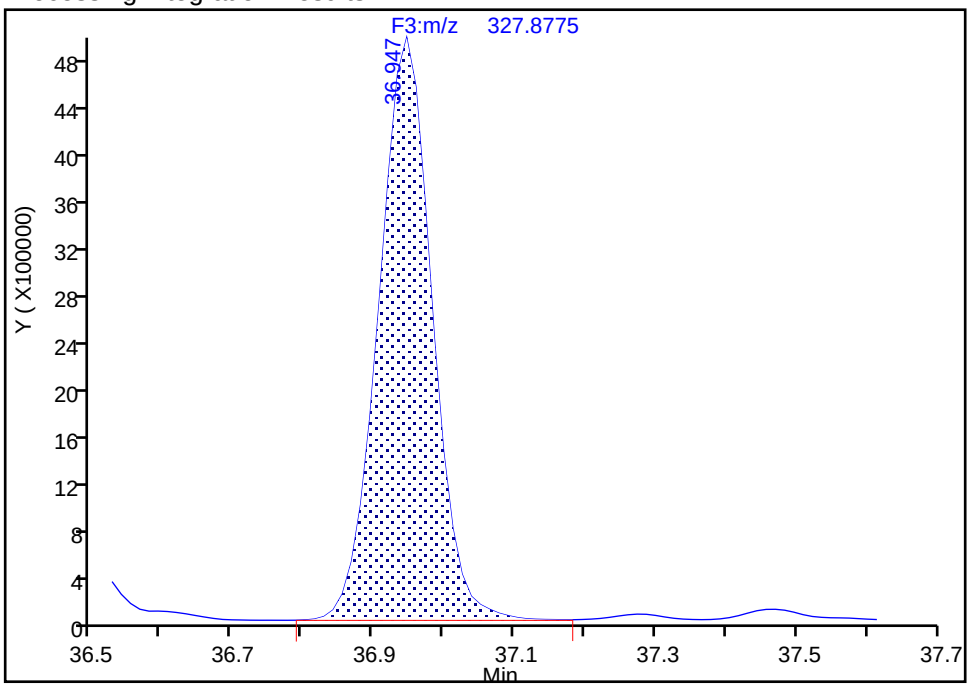
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-122, CAS: 76842-07-4

Signal: 2

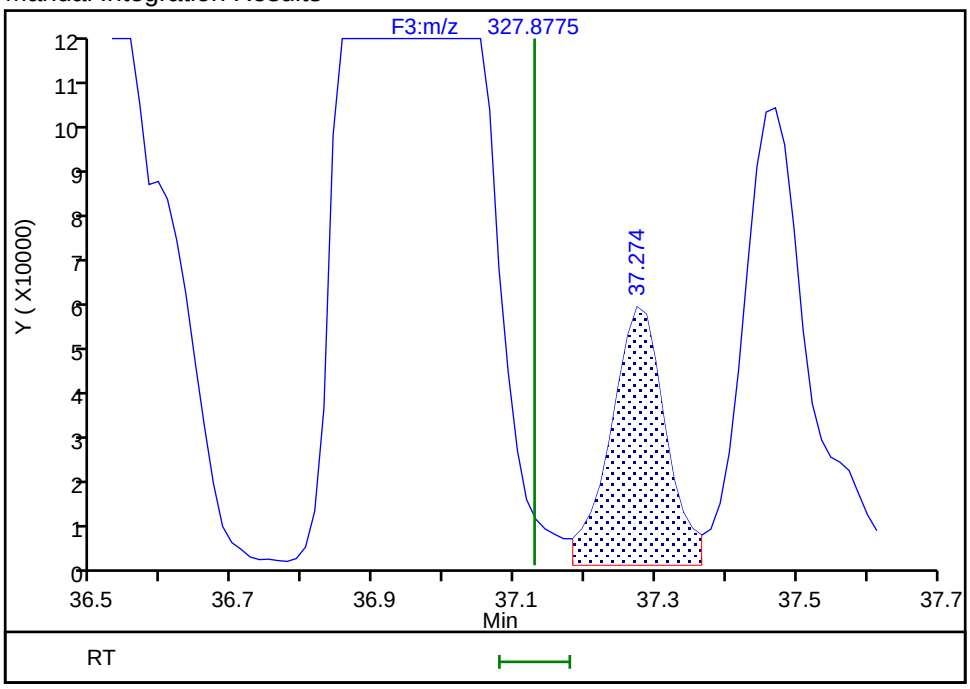
Processing Integration Results

RT: 36.95
Area: 26041803
Amount: 1443.5242
Amount Units: pg/ul




Manual Integration Results

RT: 37.27
Area: 283795
Amount: 15.697231
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

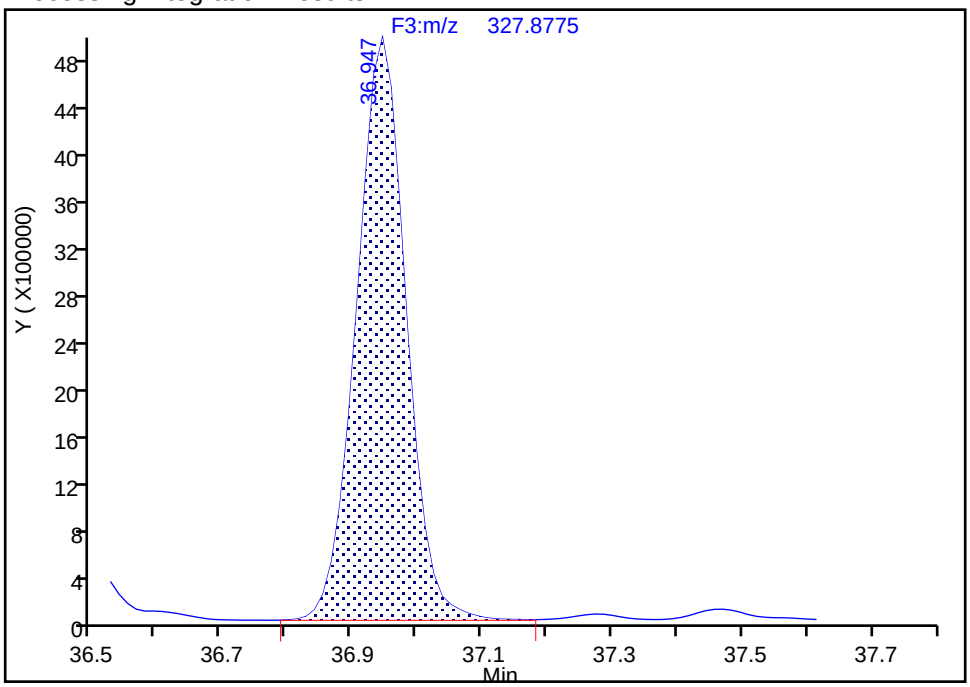
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-122, CAS: 76842-07-4

Signal: 3

Processing Integration Results

RT: 36.95
Area: 67679939
Amount: 1443.5242
Amount Units: pg/ul




Manual Integration Results

RT: 37.27
Area: 735968
Amount: 15.697231
Amount Units: pg/ul
Reviewer: davidsonm, 10-Oct-2019 08:24:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

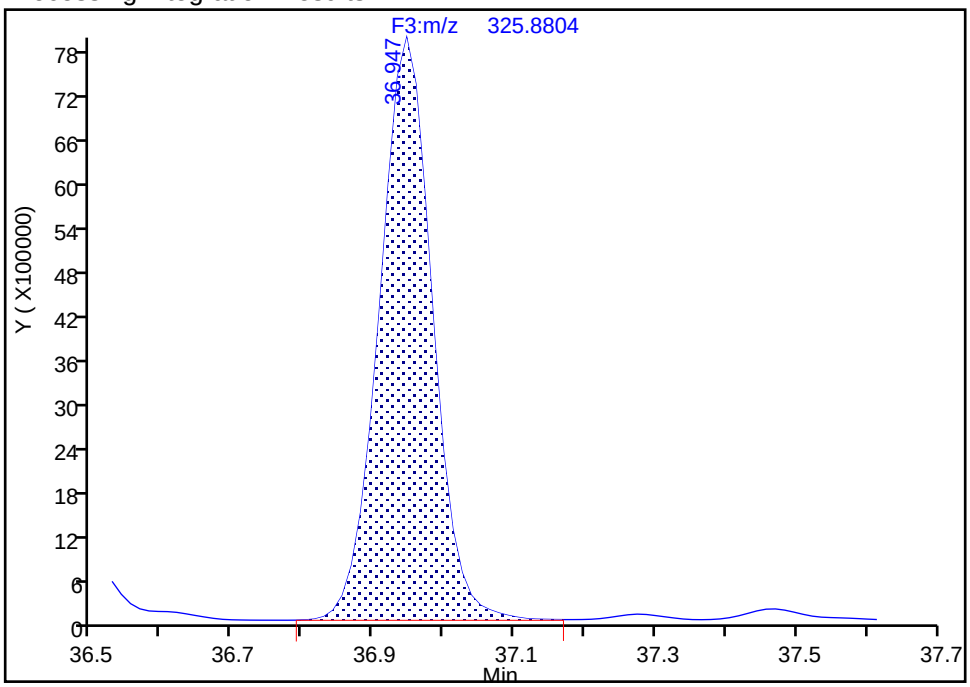
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-122, CAS: 76842-07-4

Signal: 1

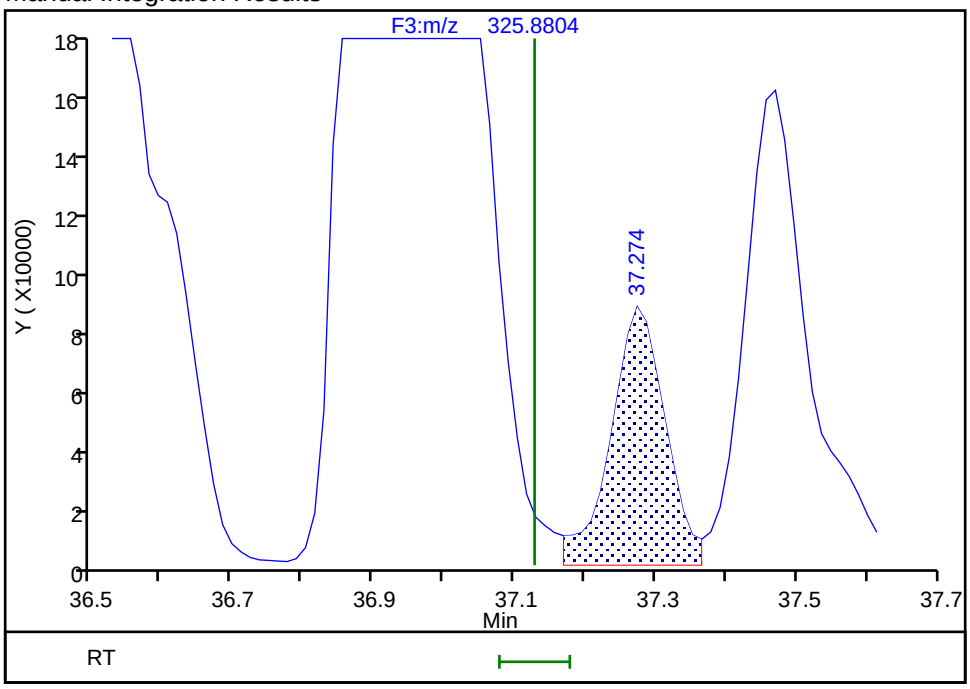
Processing Integration Results

RT: 36.95
Area: 41638136
Amount: 1443.5242
Amount Units: pg/ul




Manual Integration Results

RT: 37.27
Area: 452173
Amount: 15.697231
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:13
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 3

Processing Integration Results

| | |
|---|---|
| RT: | 37.27 |
| Area: | 735968 |
| Amount: | 13.479337 |
| Amount Units: | pg/ul |

Manual Integration Results

| | |
|---|---|
| RT: | 37.47 |
| Area: | 1365388 |
| Amount: | 25.007235 |
| Amount Units: | pg/ul |

Reviewer: davidsonm, 10-Oct-2019 08:24:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

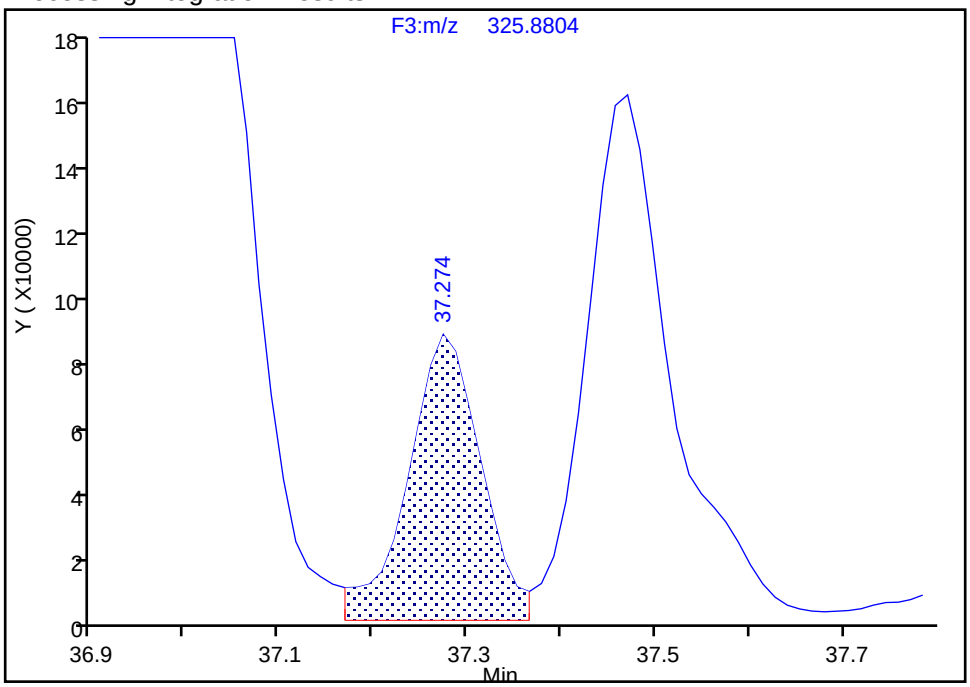
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

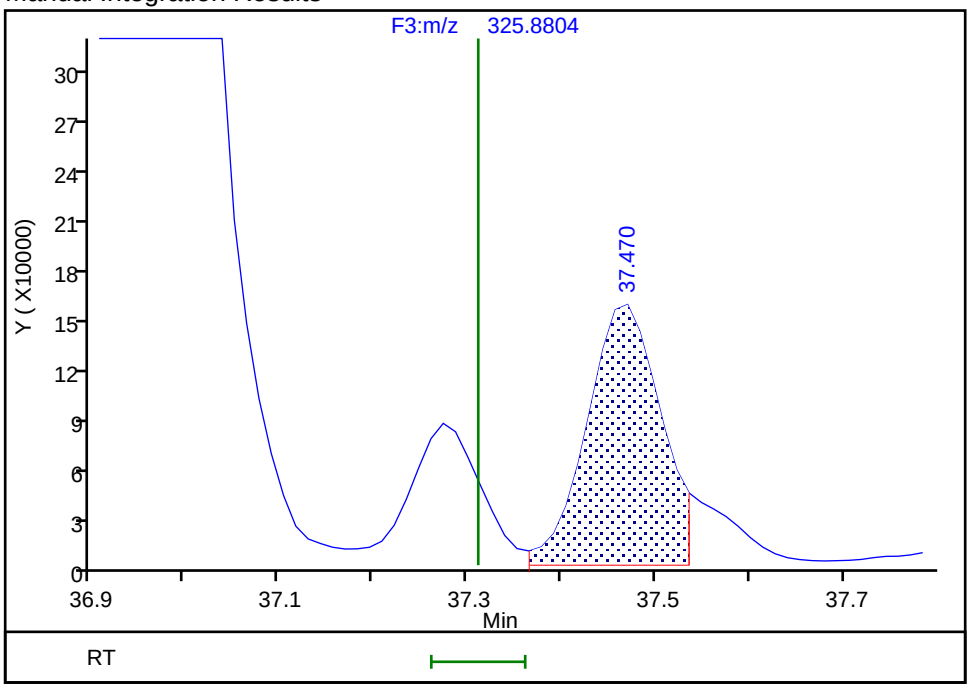
Processing Integration Results

RT: 37.27
Area: 452173
Amount: 13.479337
Amount Units: pg/ul




Manual Integration Results

RT: 37.47
Area: 842128
Amount: 25.007235
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:22

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

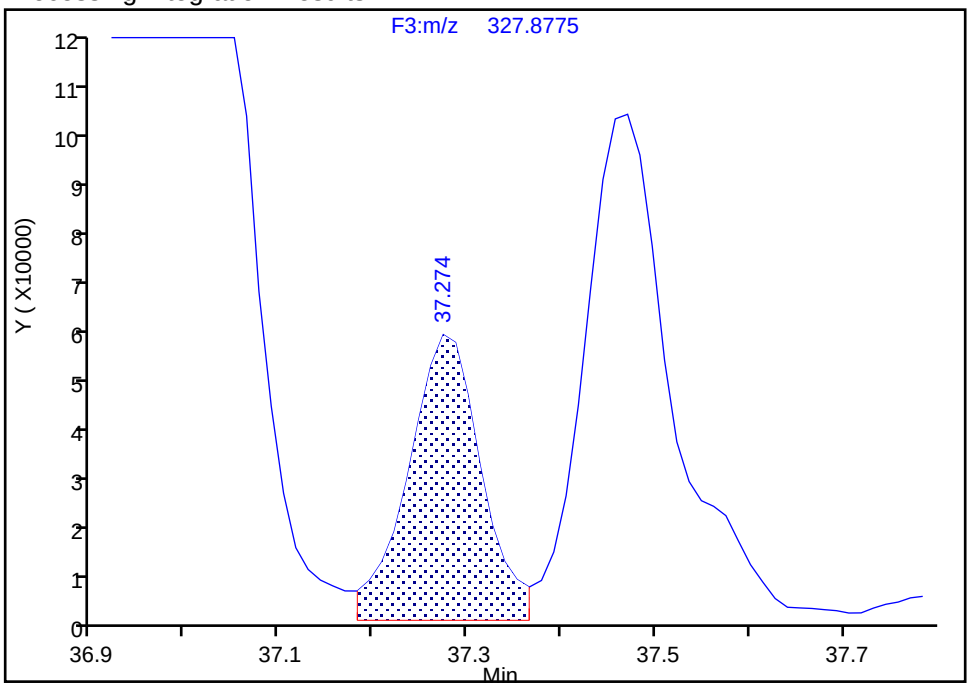
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

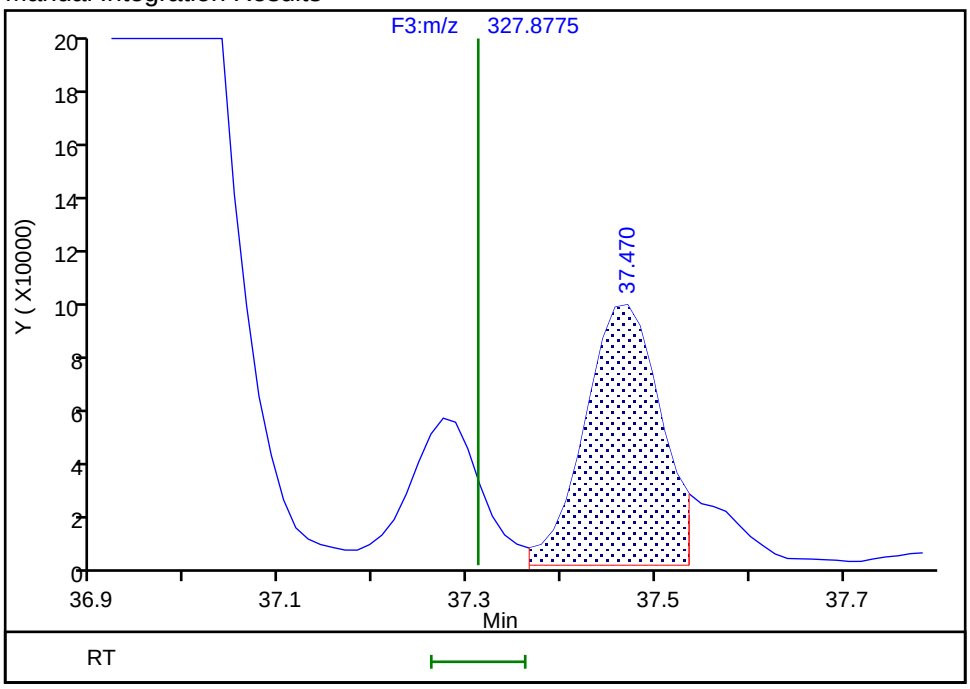
Processing Integration Results

RT: 37.27
Area: 283795
Amount: 13.479337
Amount Units: pg/ul




Manual Integration Results

RT: 37.47
Area: 523260
Amount: 25.007235
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:25

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

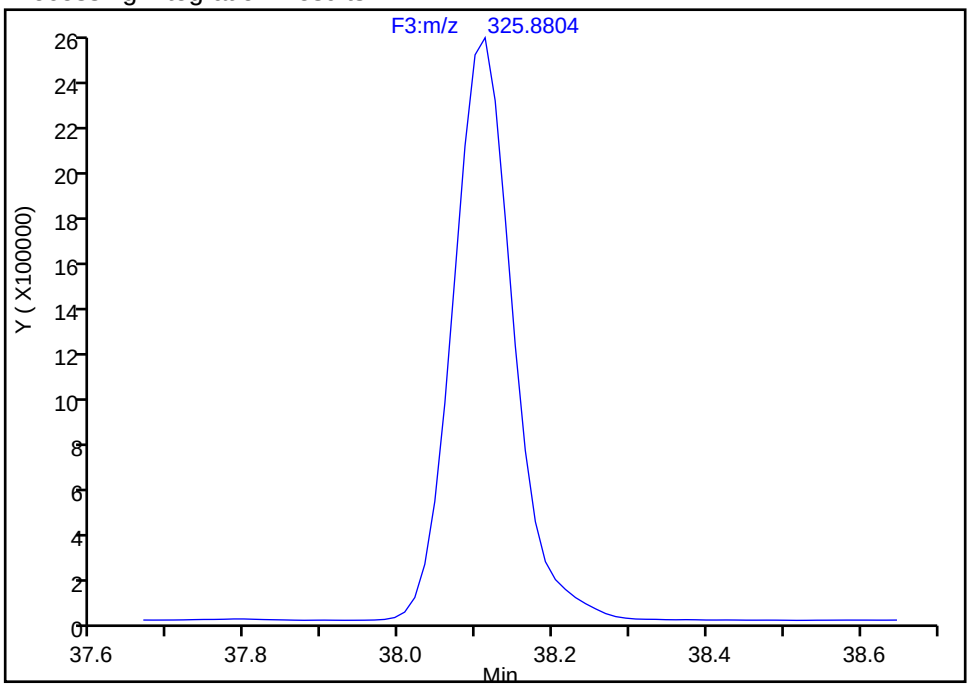
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105, CAS: 32598-14-4

Signal: 1

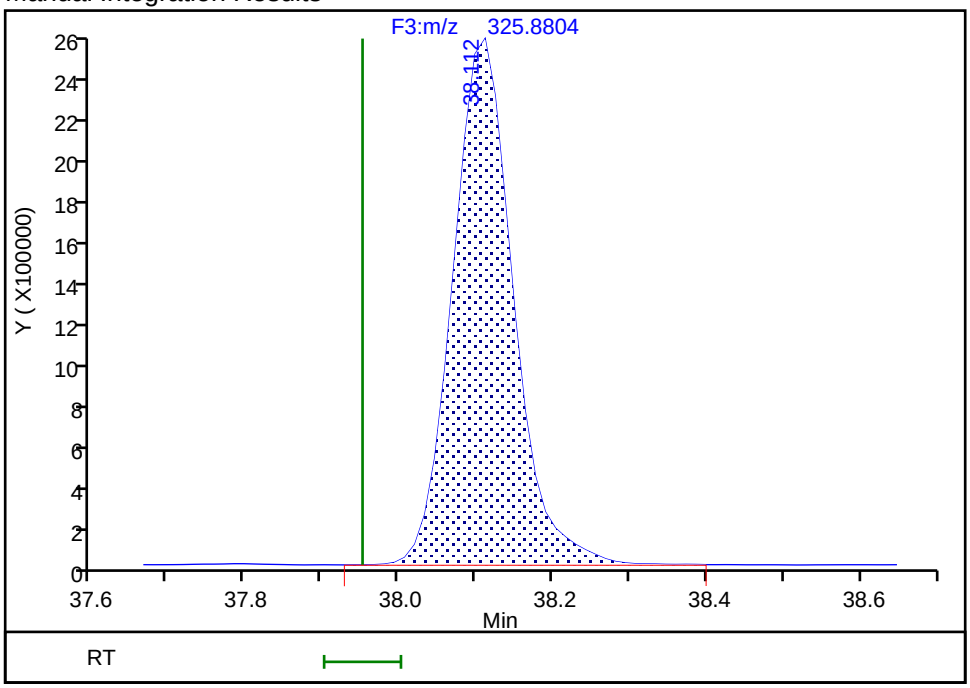
Not Detected
Expected RT: 37.95

Processing Integration Results




Manual Integration Results

RT: 38.11
Area: 13840566
Amount: 439.5036
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:34
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

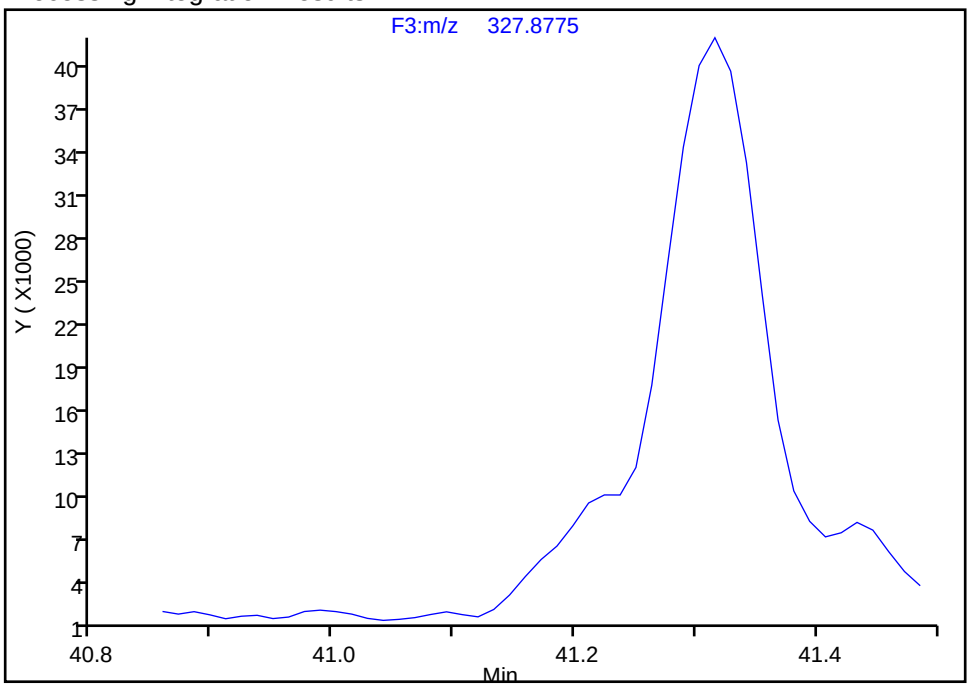
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

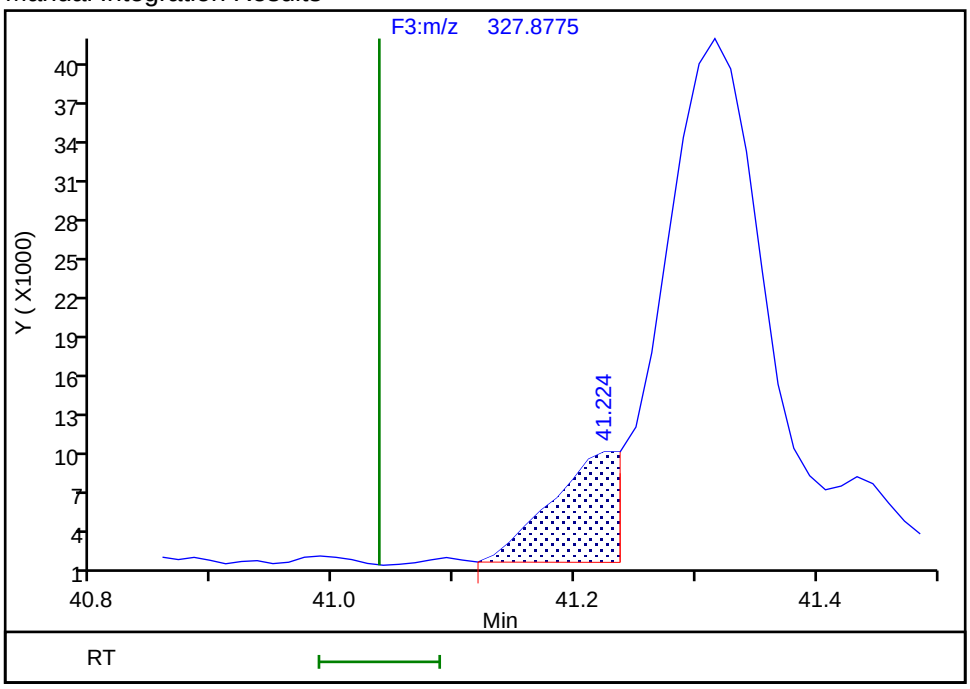
Not Detected
Expected RT: 41.04

Processing Integration Results




Manual Integration Results

RT: 41.22
Area: 31005
Amount: 1.495815
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:56
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

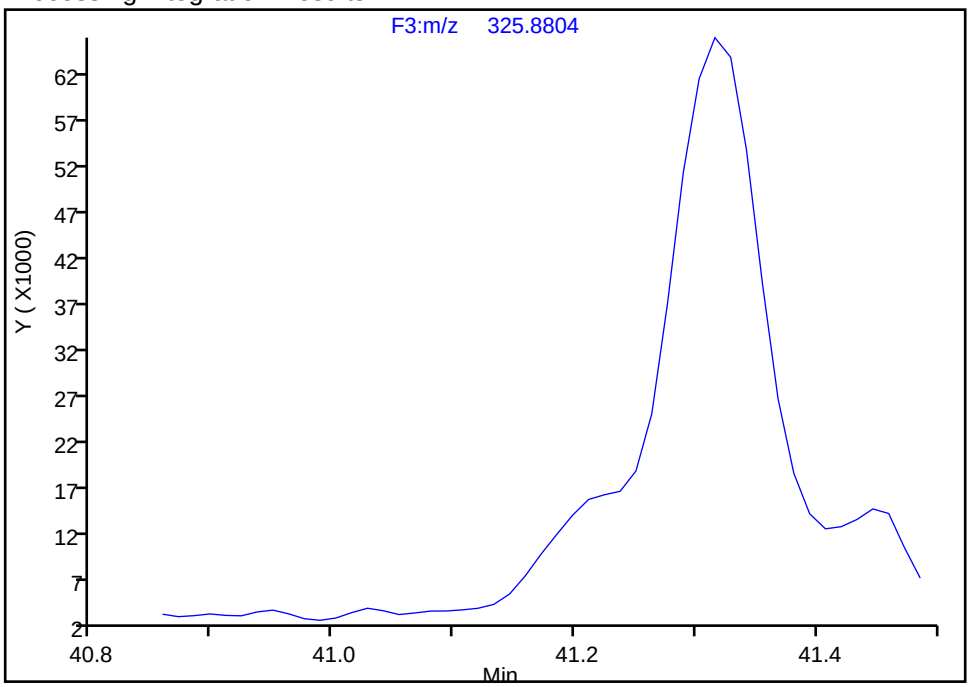
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

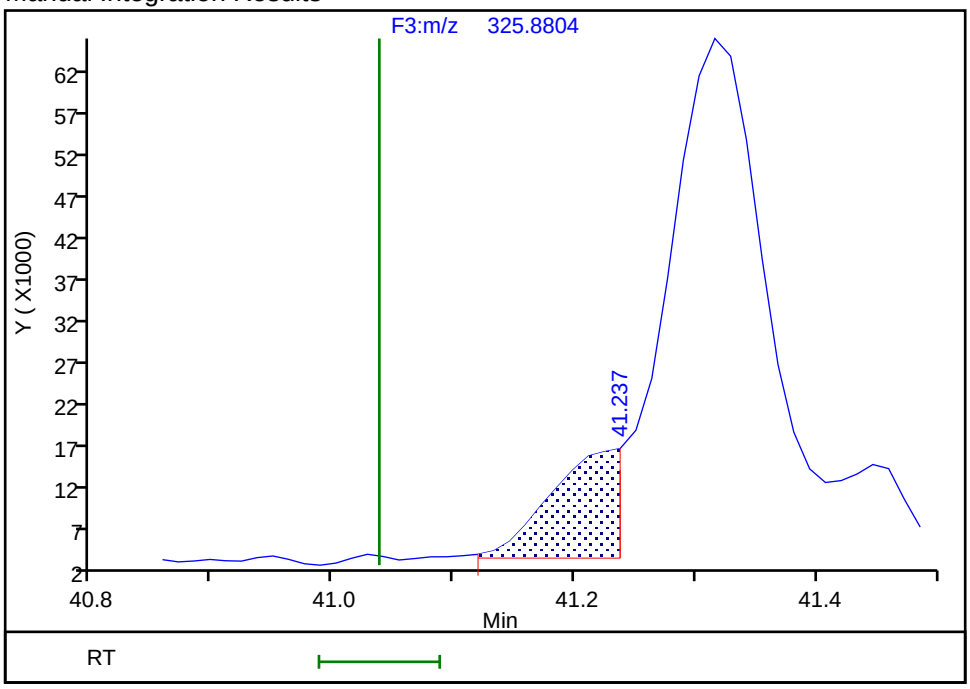
Not Detected
Expected RT: 41.04

Processing Integration Results




Manual Integration Results

RT: 41.24
Area: 50667
Amount: 1.495815
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:24:59
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

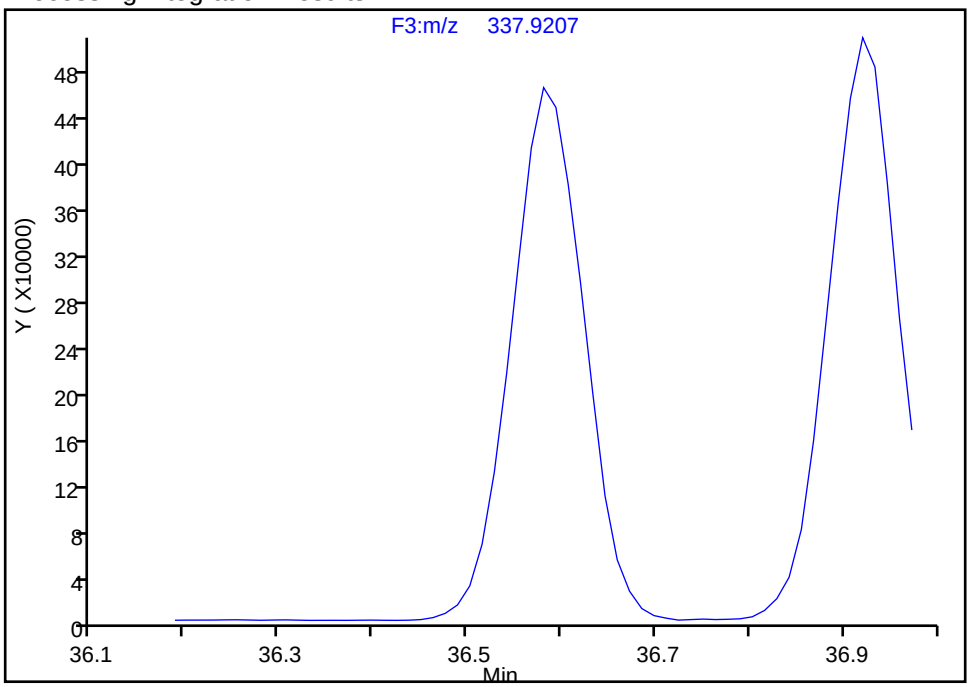
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123L, CAS: 208263-64-3

Signal: 1

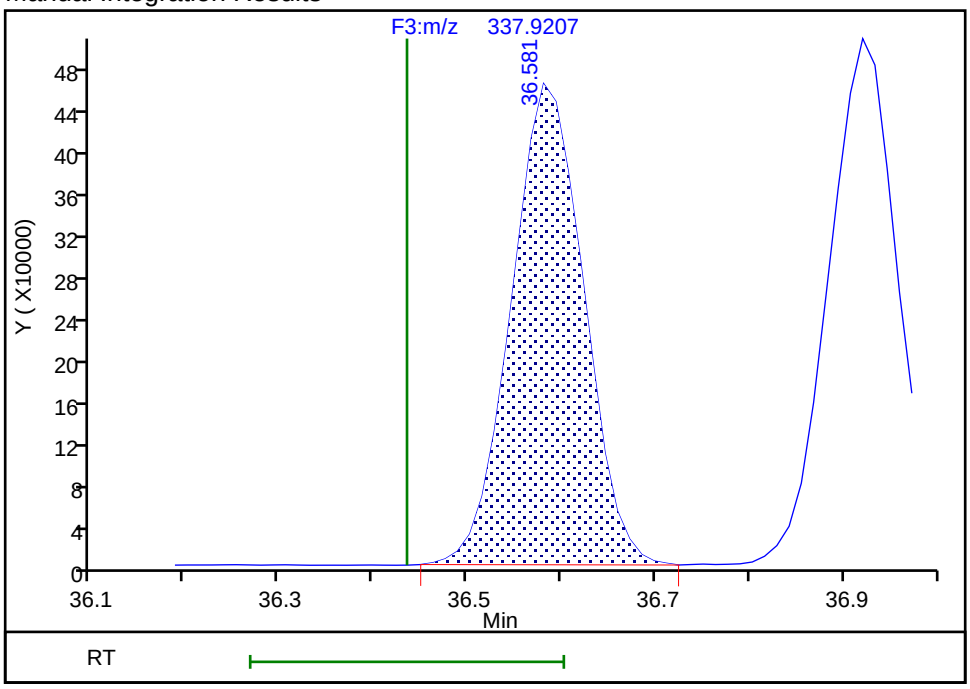
Not Detected
Expected RT: 36.44

Processing Integration Results




Manual Integration Results

RT: 36.58
Area: 2472696
Amount: 89.711599
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:22:02
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

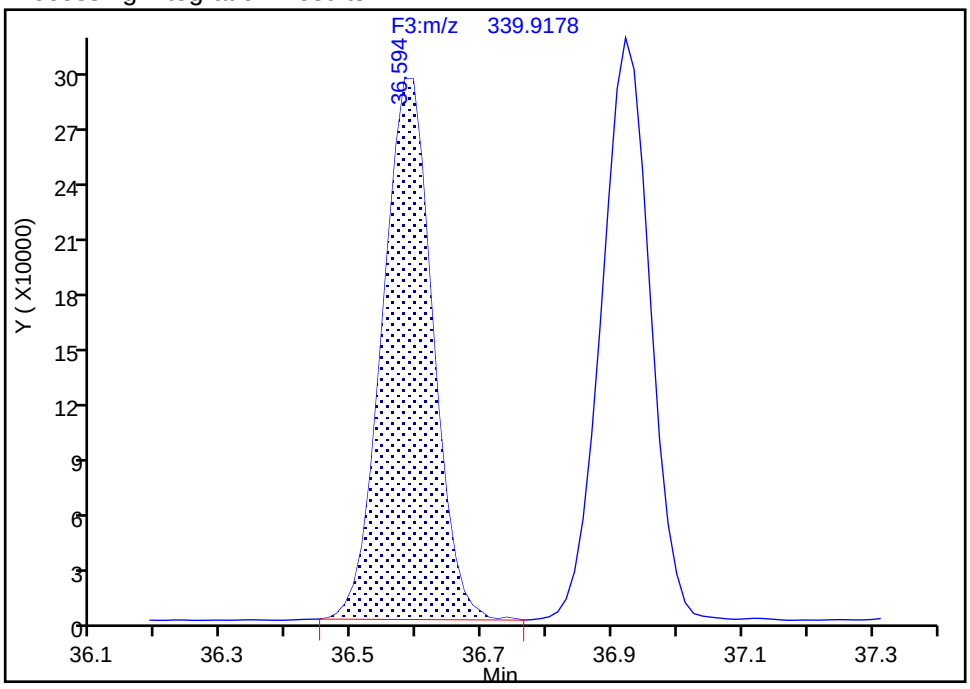
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118L, CAS: 104130-40-7

Signal: 2

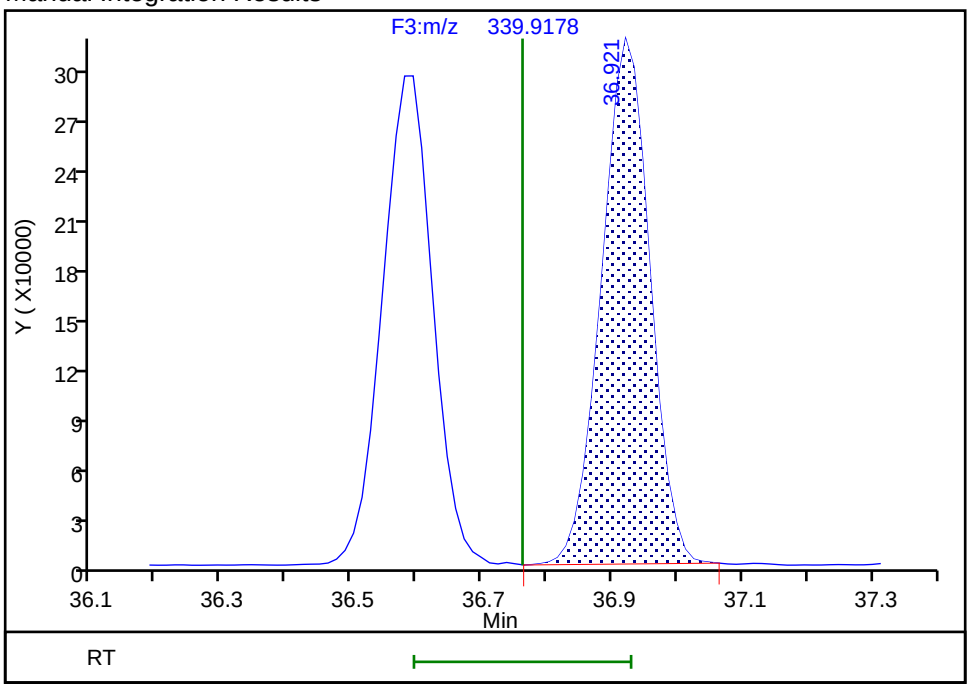
Processing Integration Results

RT: 36.59
Area: 1554090
Amount: 86.681606
Amount Units: pg/ul




Manual Integration Results

RT: 36.92
Area: 1606832
Amount: 90.215334
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:22:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

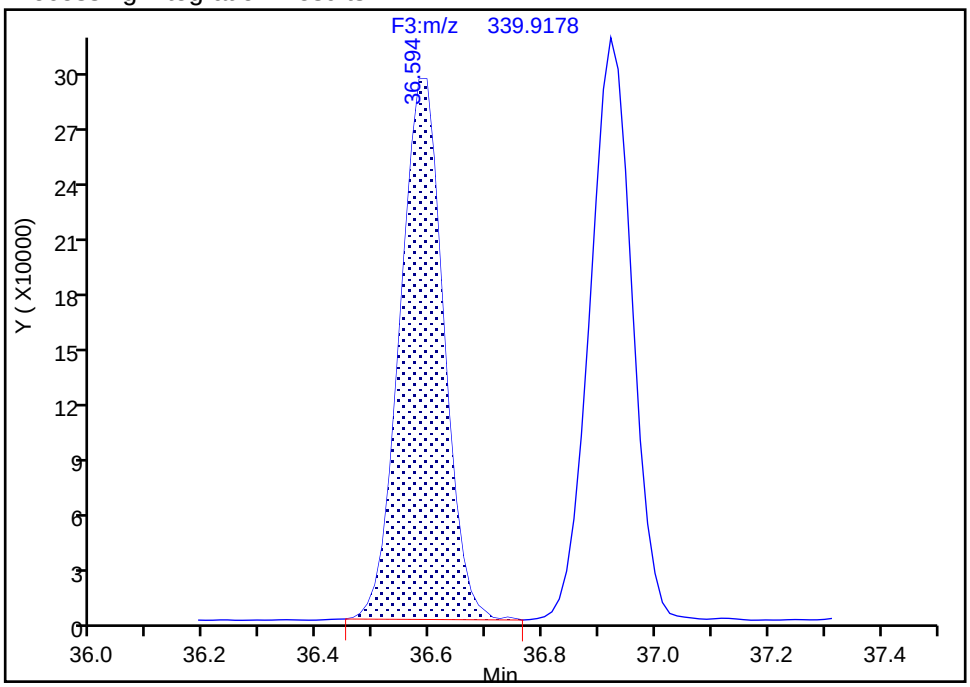
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118L, CAS: 104130-40-7

Signal: 3

Processing Integration Results

RT: 36.58
Area: 4026786
Amount: 86.681606
Amount Units: pg/ul




Manual Integration Results

RT: 36.92
Area: 4190945
Amount: 90.215334
Amount Units: pg/ul
Reviewer: davidsonm, 10-Oct-2019 08:22:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

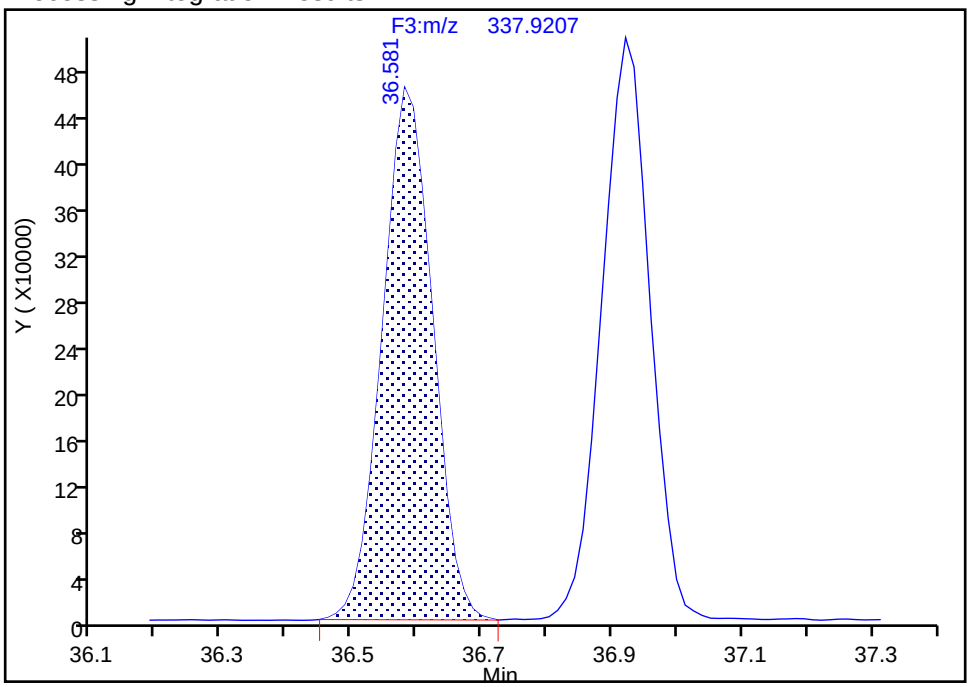
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118L, CAS: 104130-40-7

Signal: 1

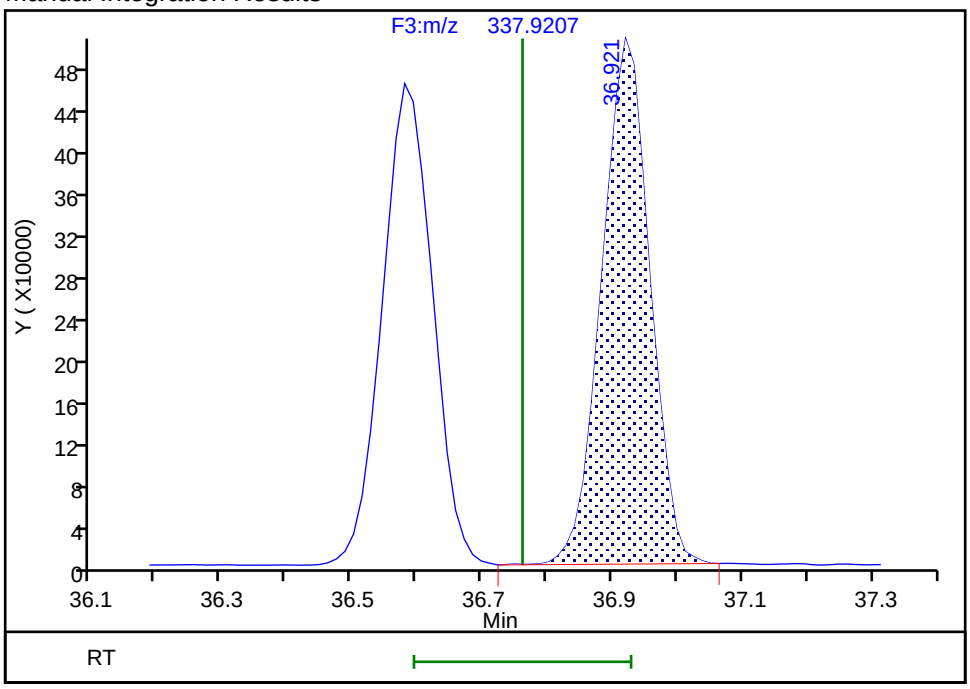
Processing Integration Results

RT: 36.58
Area: 2472696
Amount: 86.681606
Amount Units: pg/ul




Manual Integration Results

RT: 36.92
Area: 2584113
Amount: 90.215334
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:22:10
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

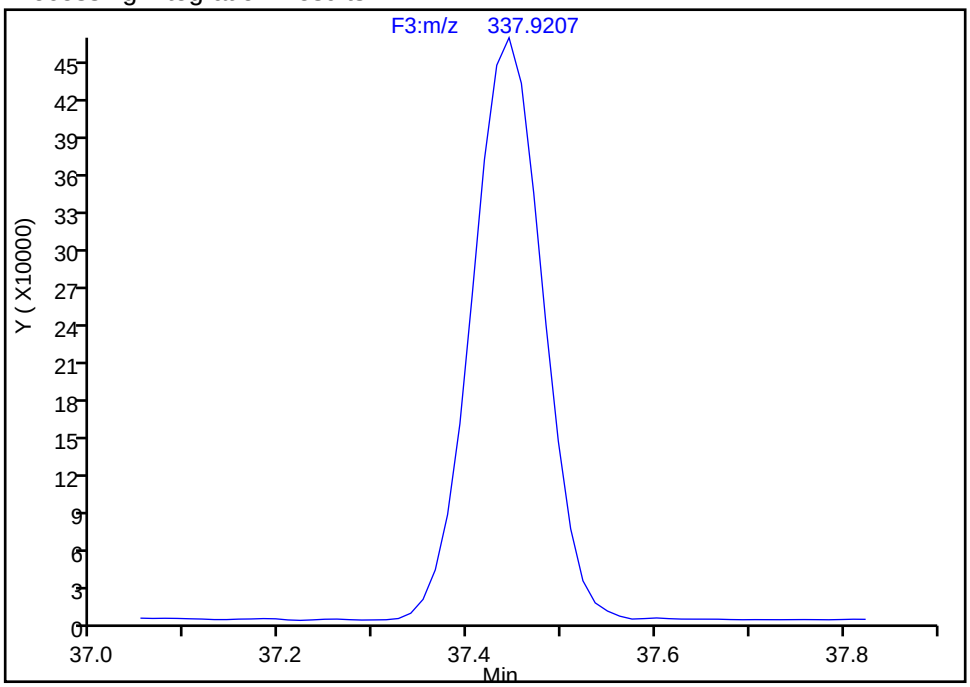
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114L, CAS: 208263-63-2

Signal: 1

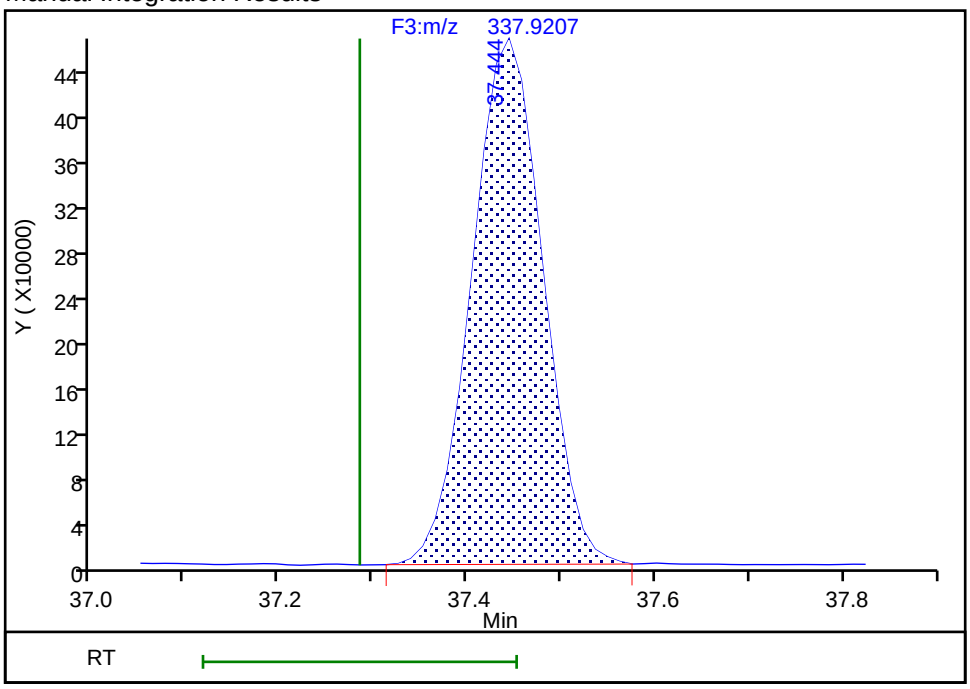
Not Detected
Expected RT: 37.29

Processing Integration Results




Manual Integration Results

RT: 37.44
Area: 2425749
Amount: 85.531705
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:22:14
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

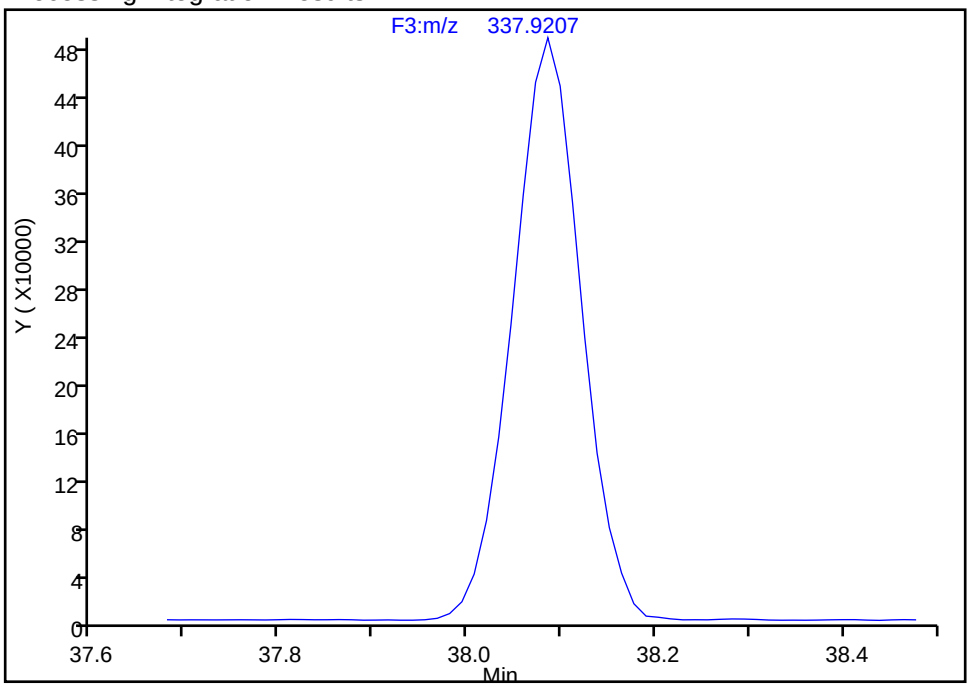
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105L, CAS: 208263-62-1

Signal: 1

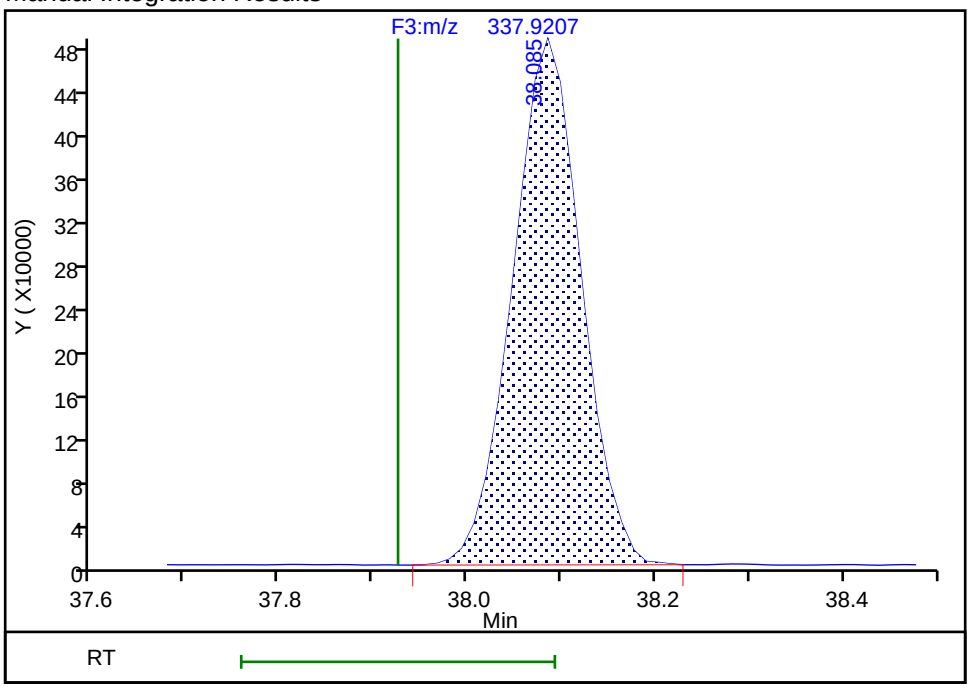
Not Detected
Expected RT: 37.93

Processing Integration Results




Manual Integration Results

RT: 38.09
Area: 2468252
Amount: 88.453525
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:22:19
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

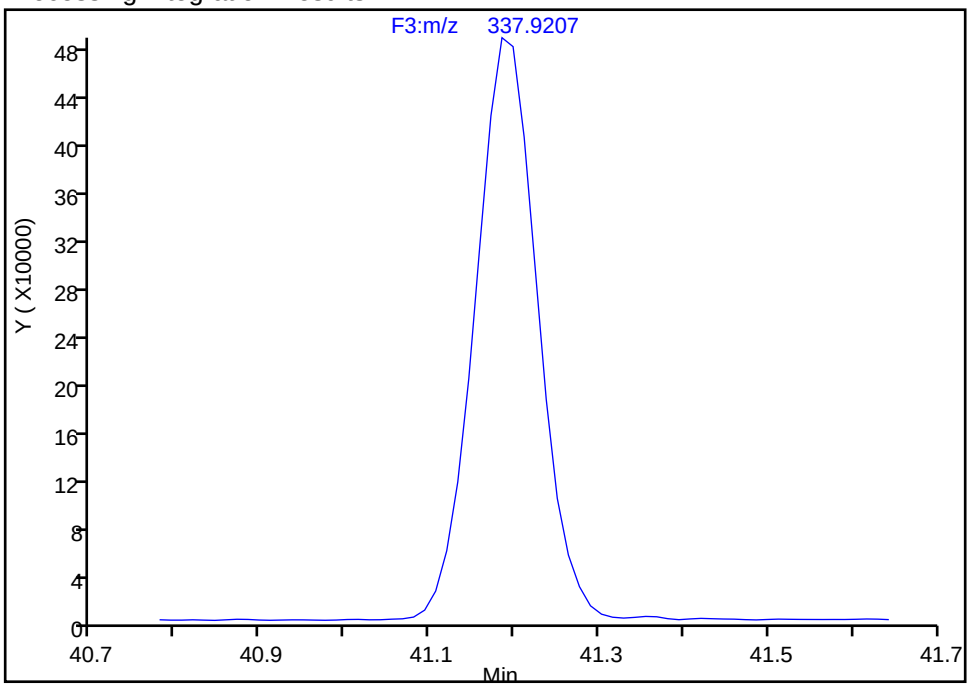
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126L, CAS: 208263-65-4

Signal: 1

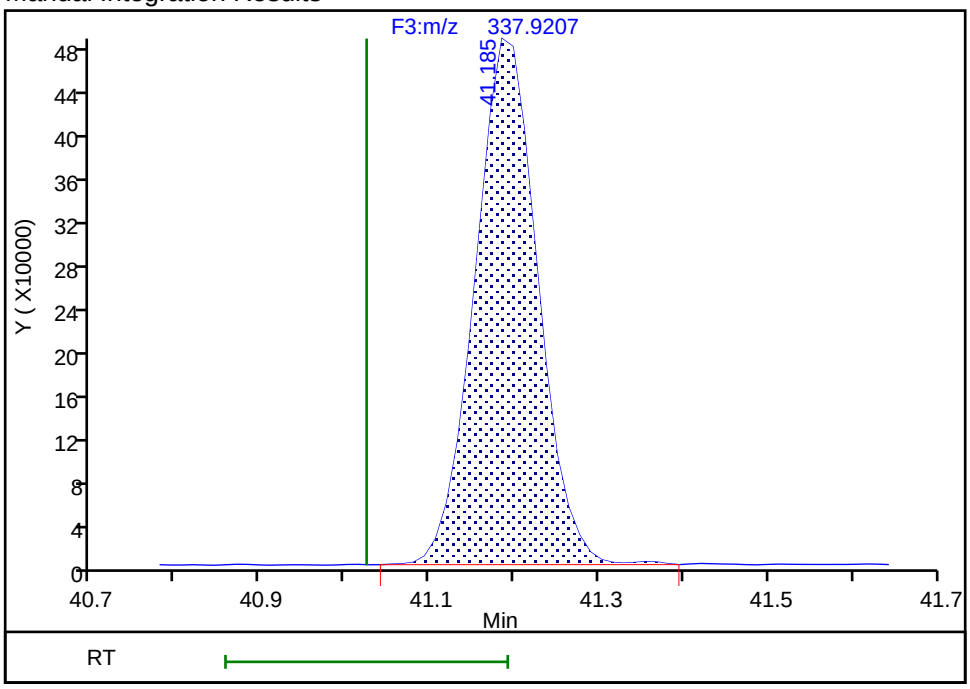
Not Detected
Expected RT: 41.02

Processing Integration Results




Manual Integration Results

RT: 41.19
Area: 2503329
Amount: 99.608157
Amount Units: pg/ul

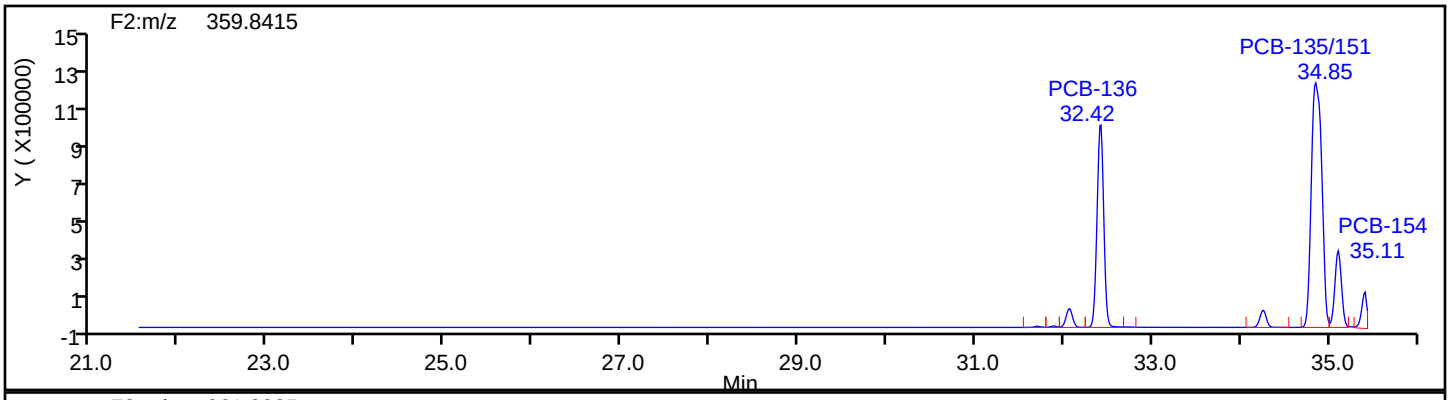


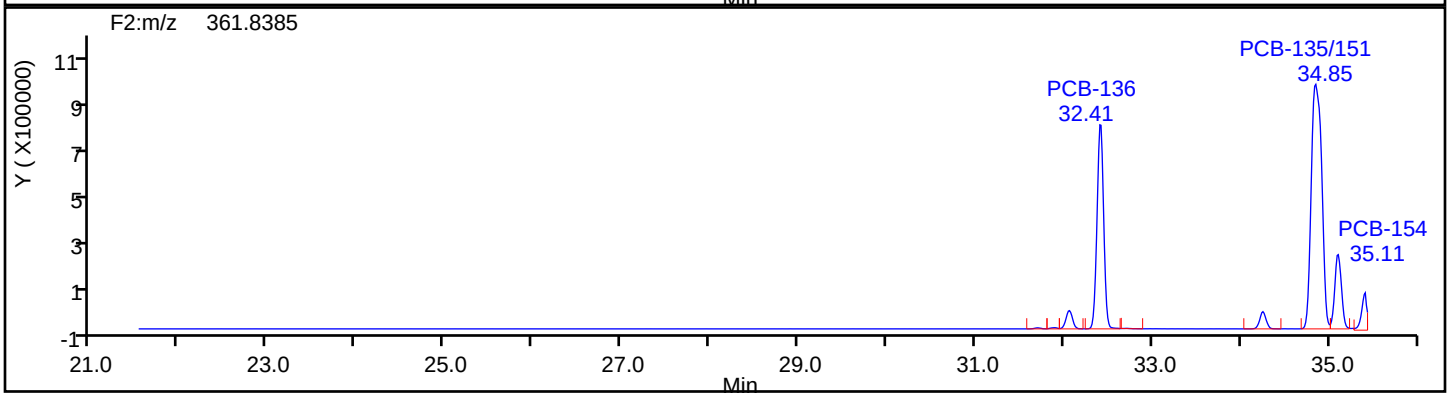

Reviewer: davidsonm, 10-Oct-2019 08:22:24
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

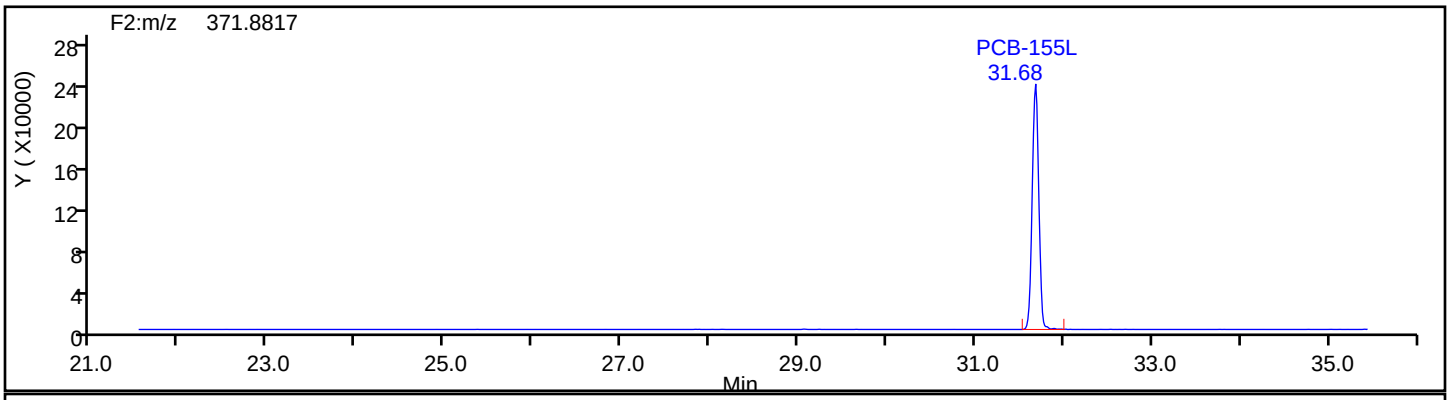
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

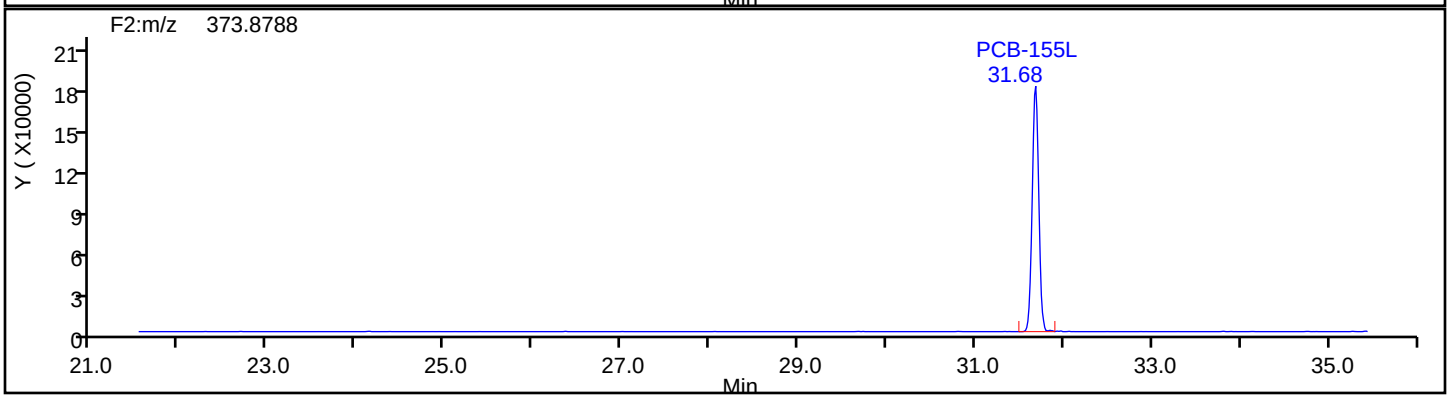
HxPCB F2




HxPCB F2 Standards

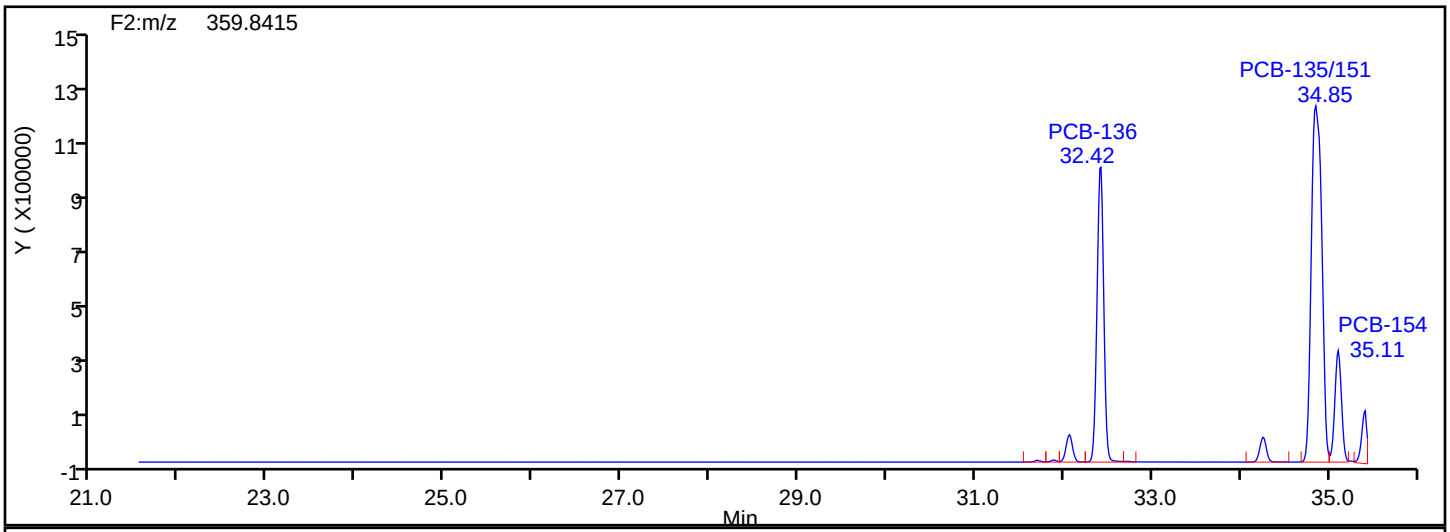


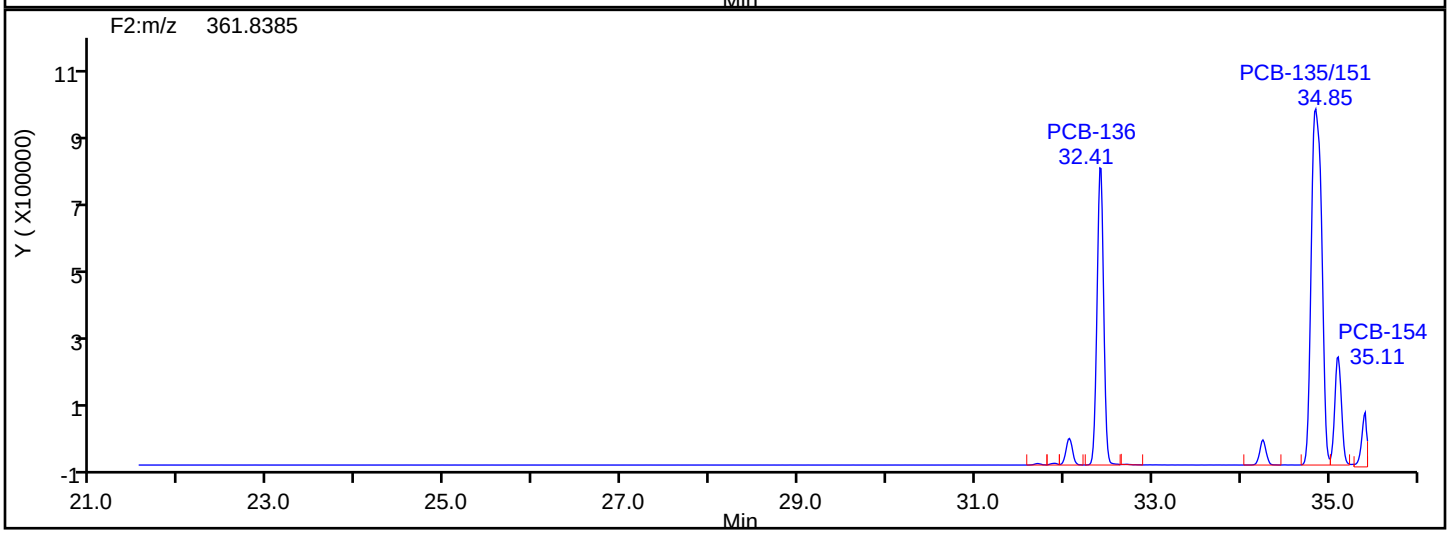



Eurofins TestAmerica, Knoxville

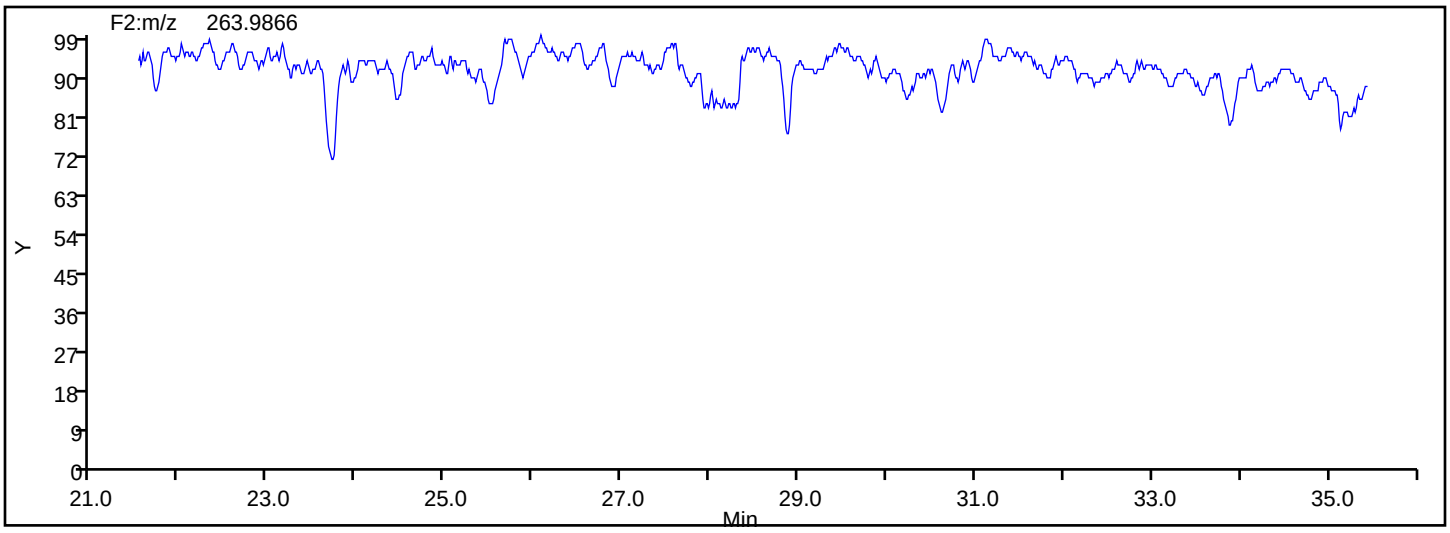
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

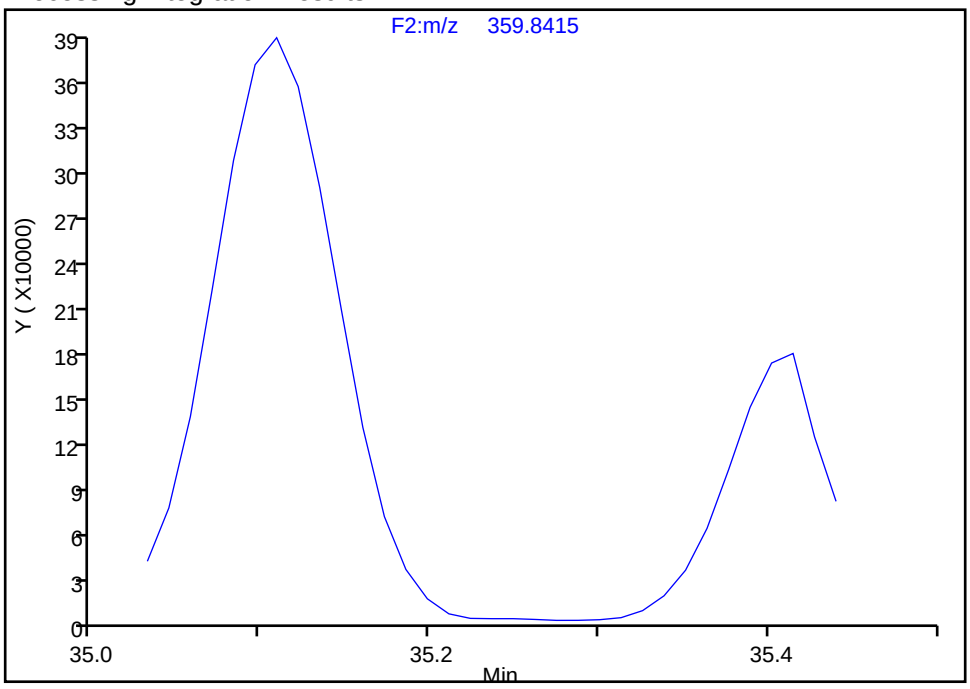
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-144, CAS: 68194-14-9

Signal: 1

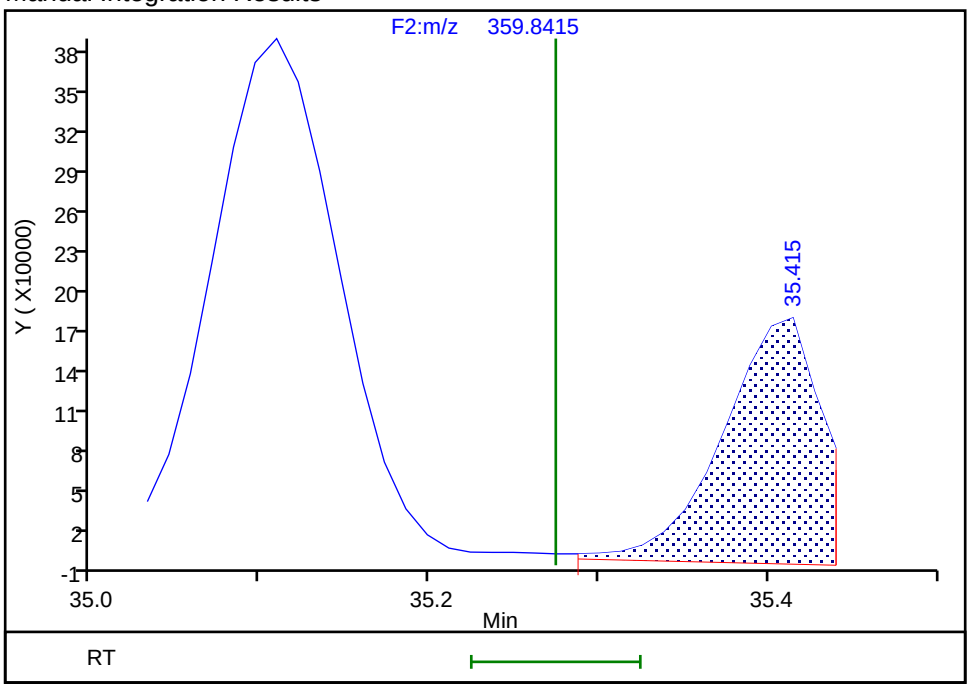
Not Detected
Expected RT: 35.27

Processing Integration Results




Manual Integration Results

RT: 35.41
Area: 711171
Amount: 65.912731
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:16:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

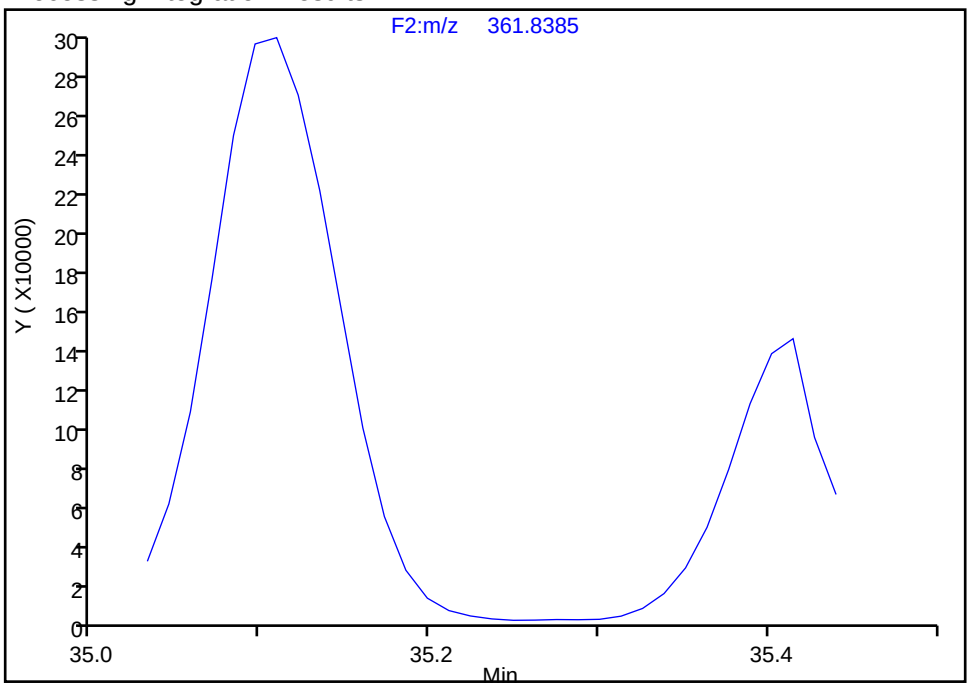
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-144, CAS: 68194-14-9

Signal: 2

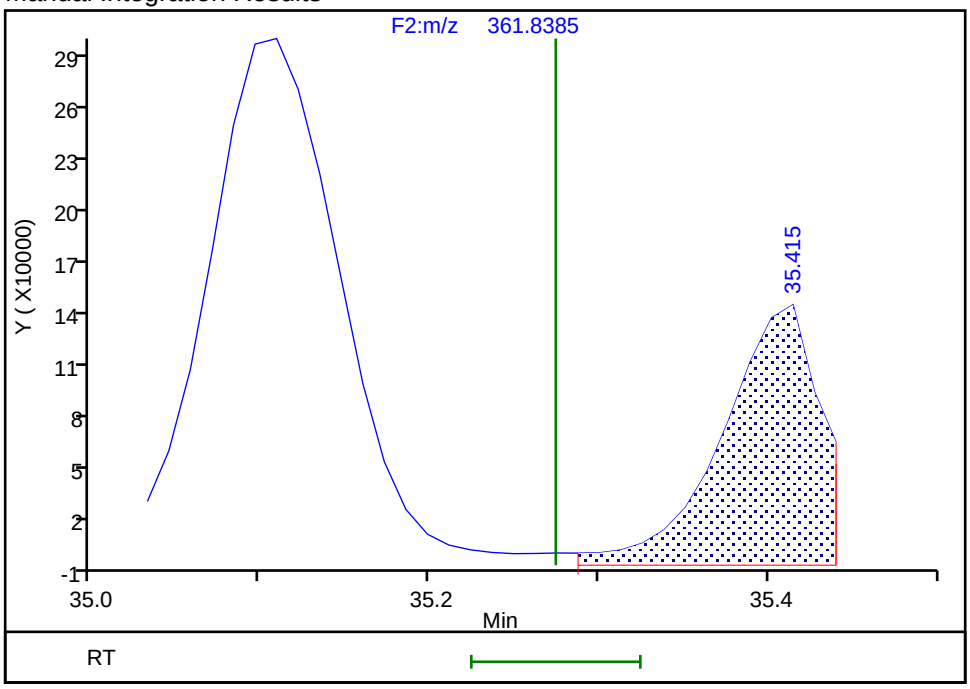
Not Detected
Expected RT: 35.27

Processing Integration Results




Manual Integration Results

RT: 35.41
Area: 581510
Amount: 65.912731
Amount Units: pg/ul



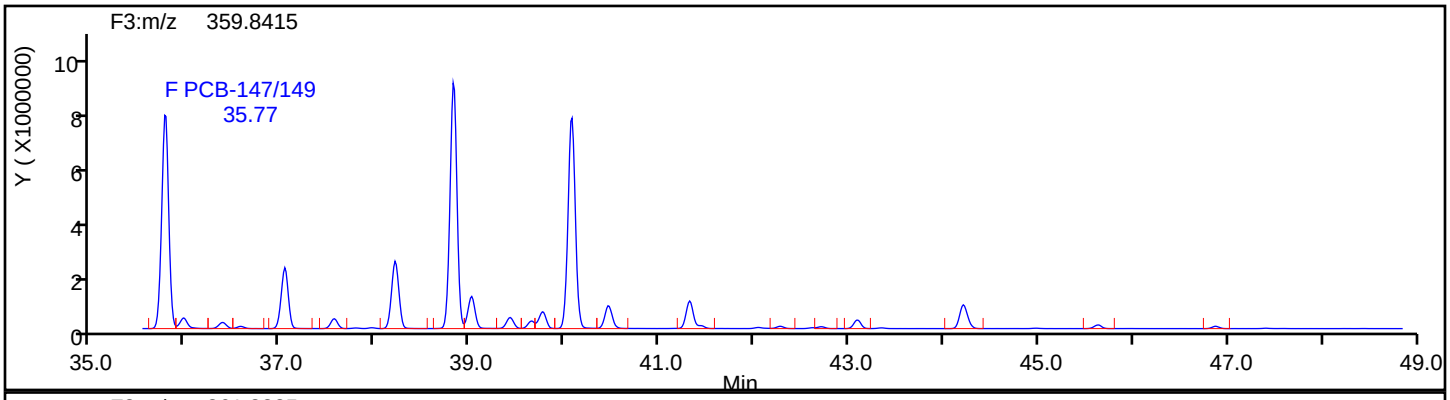

Reviewer: davidsonm, 10-Oct-2019 08:16:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

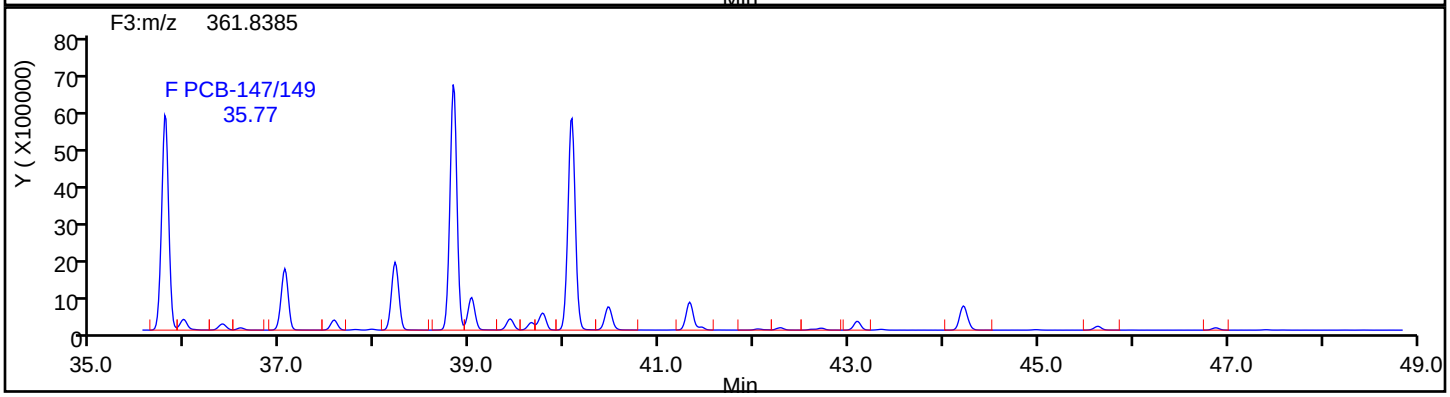
Report Date: 10-Oct-2019 08:26:47 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

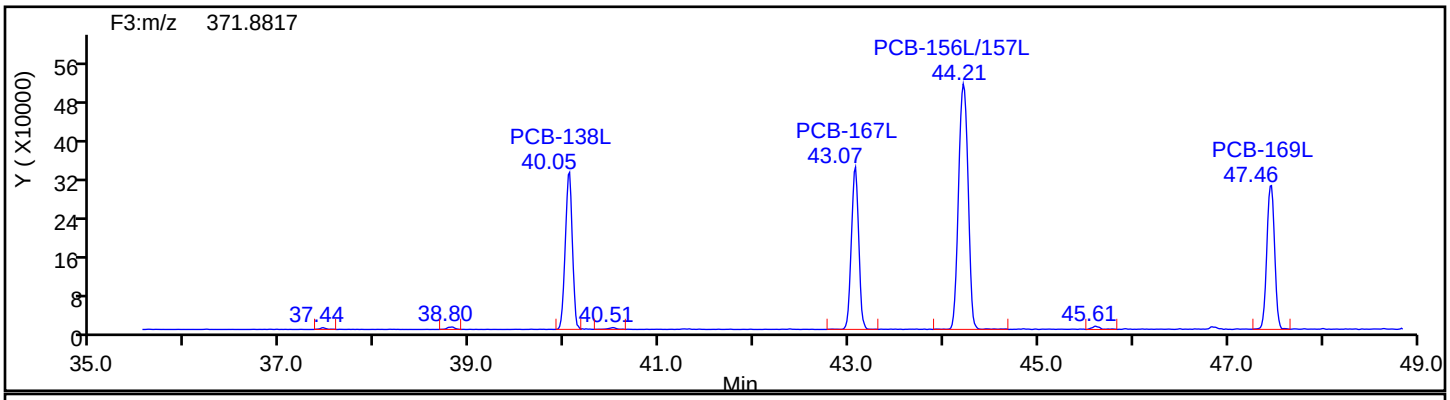
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

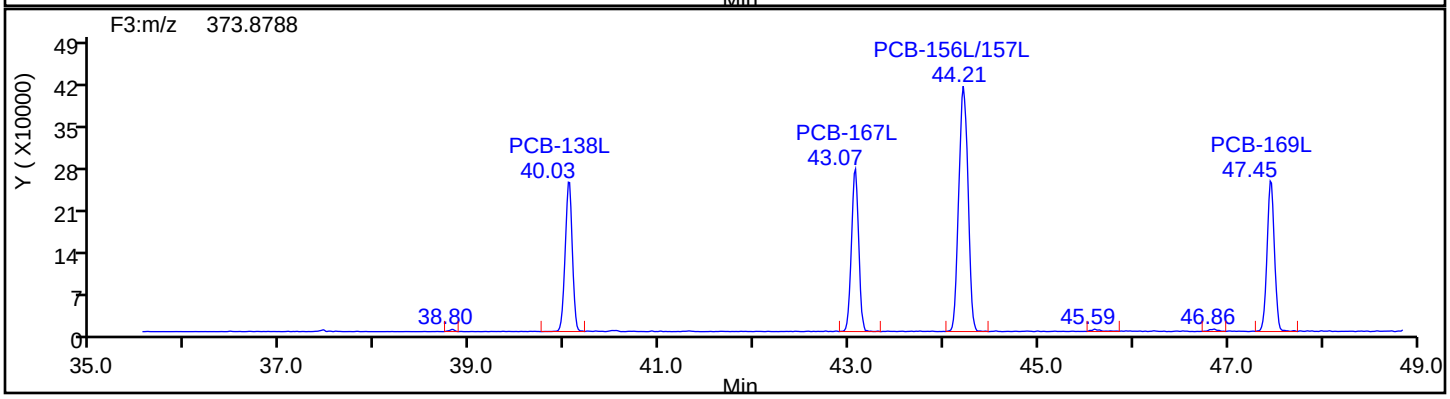
HxPCB F3




HxPCB F3 Standards

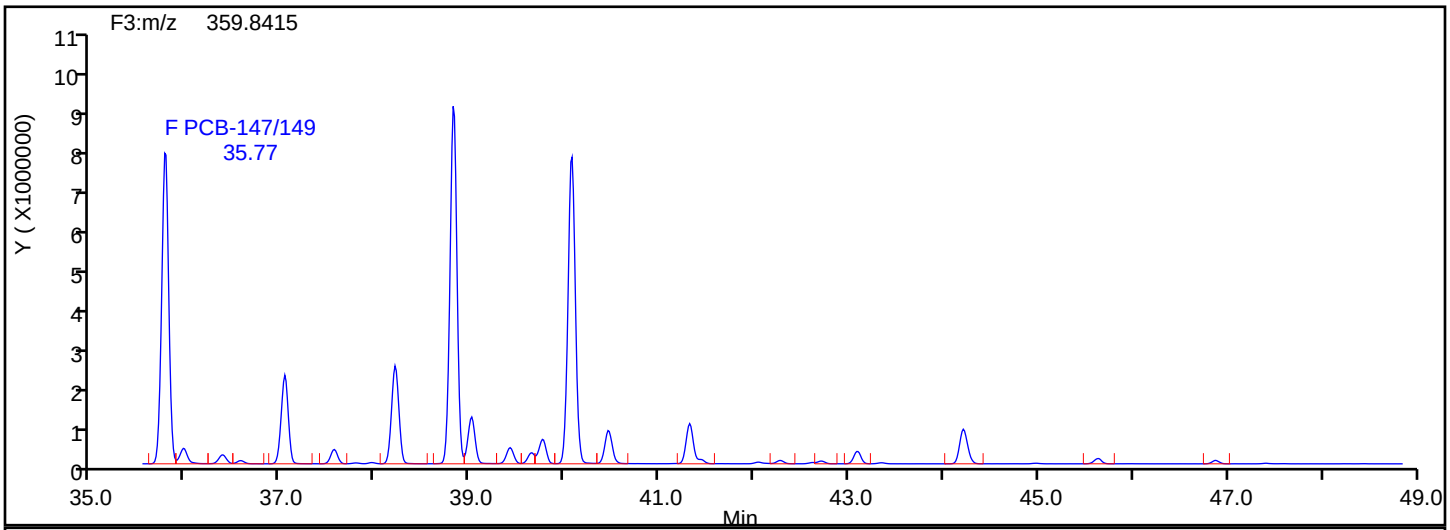


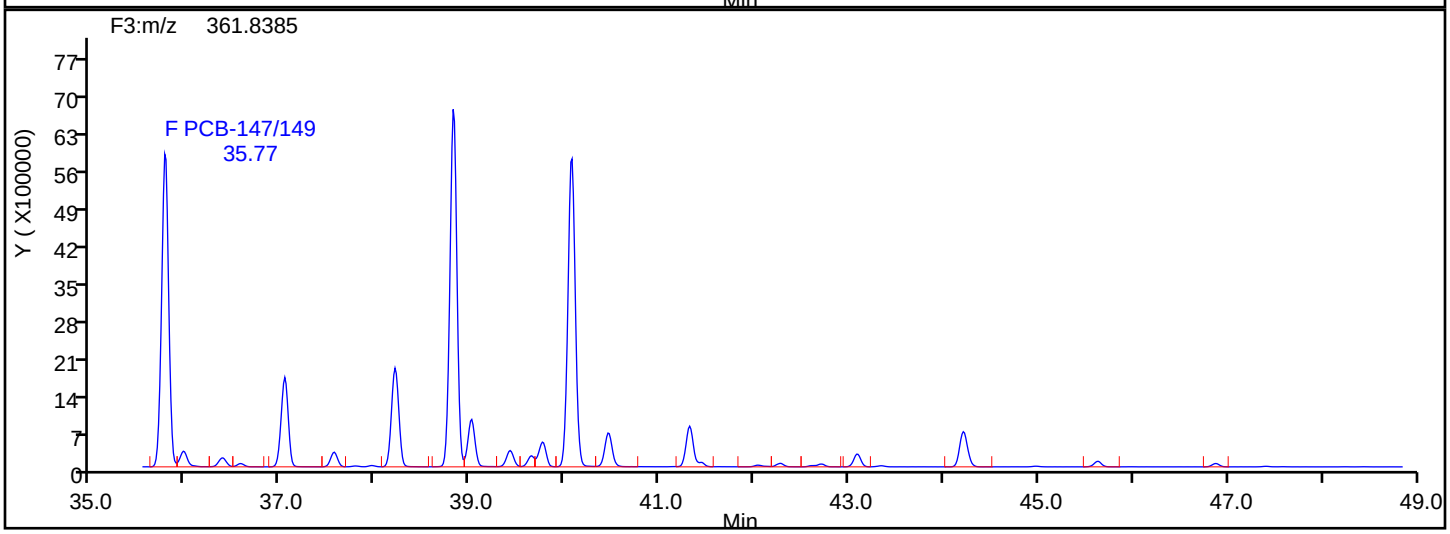



Eurofins TestAmerica, Knoxville

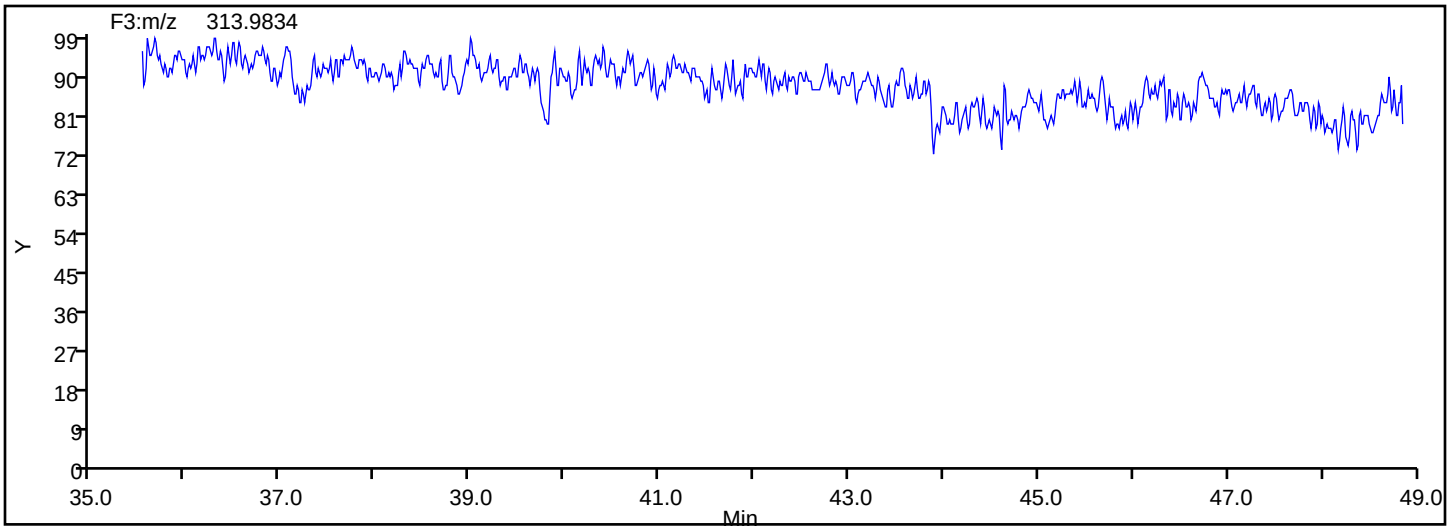
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

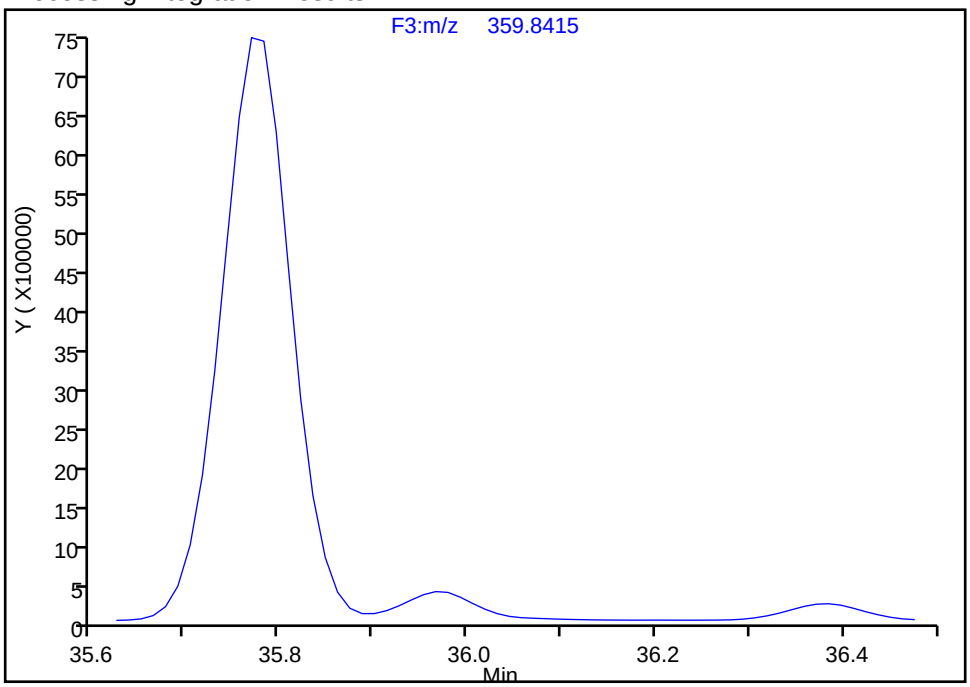
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

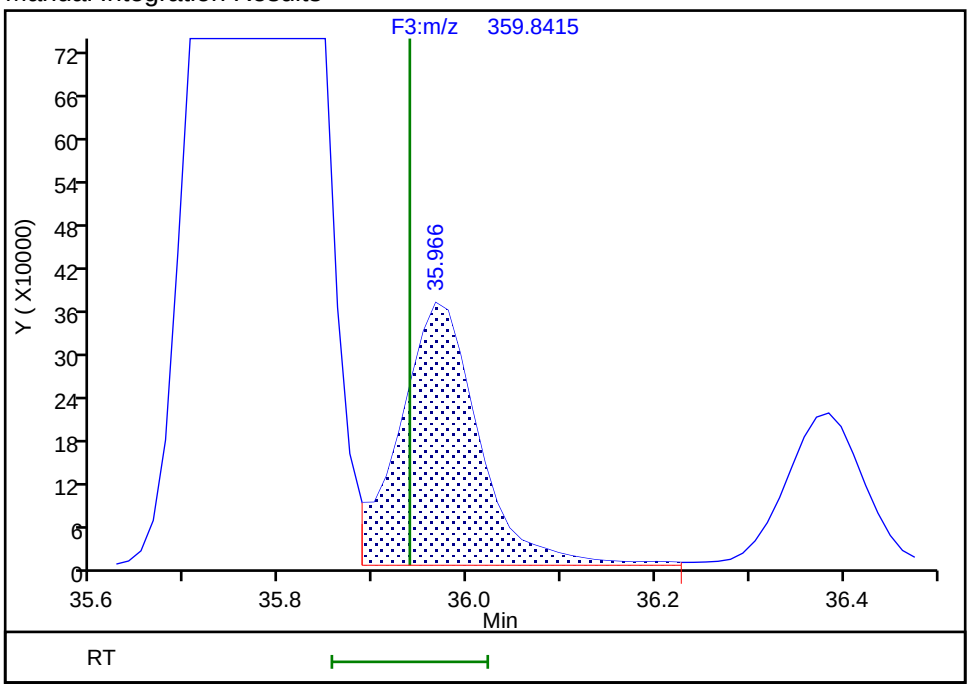
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.97
Area: 2136597
Amount: 138.7039
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:25:18
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

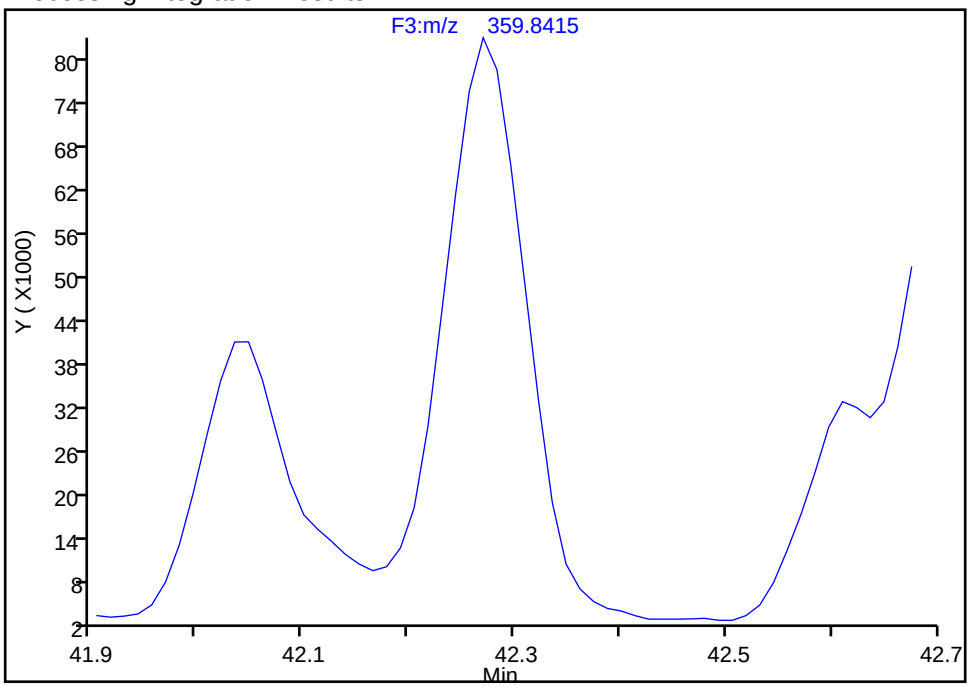
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 1

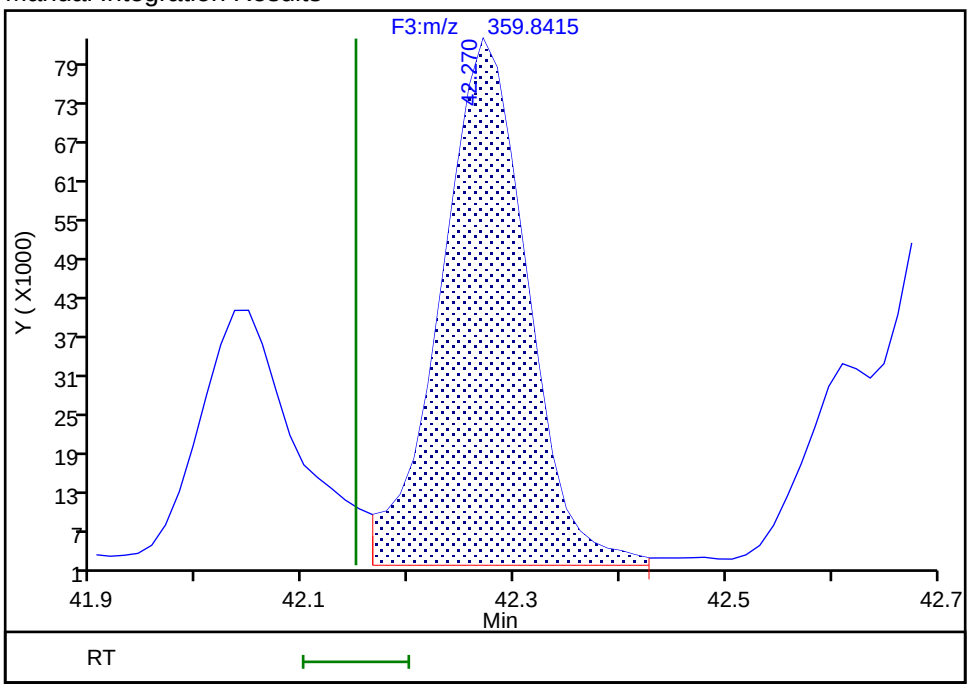
Not Detected
Expected RT: 42.15

Processing Integration Results




Manual Integration Results

RT: 42.27
Area: 457964
Amount: 19.730223
Amount Units: pg/ul

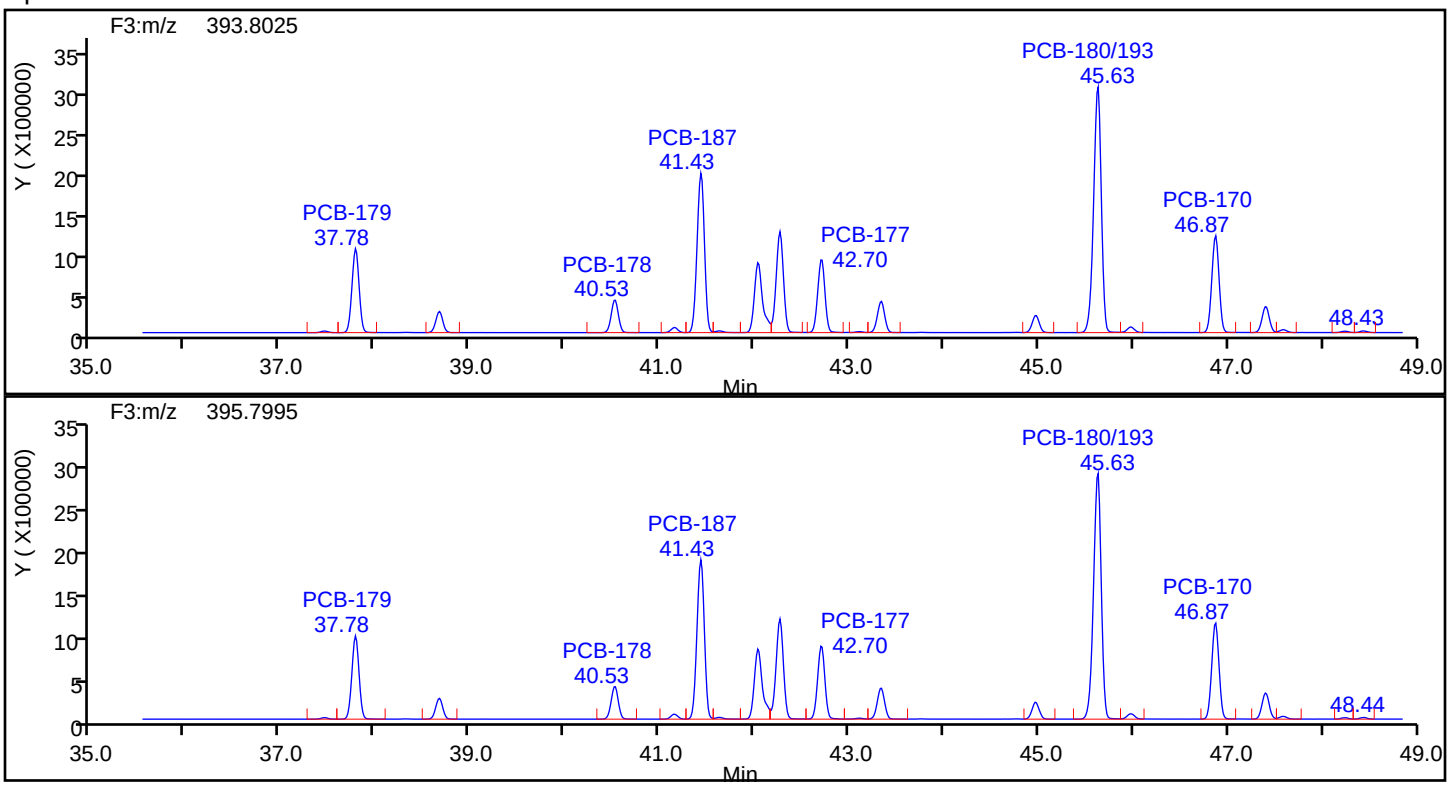



Reviewer: davidsonm, 10-Oct-2019 08:25:51
Audit Action: Assigned Compound ID Audit Reason: Split Peak

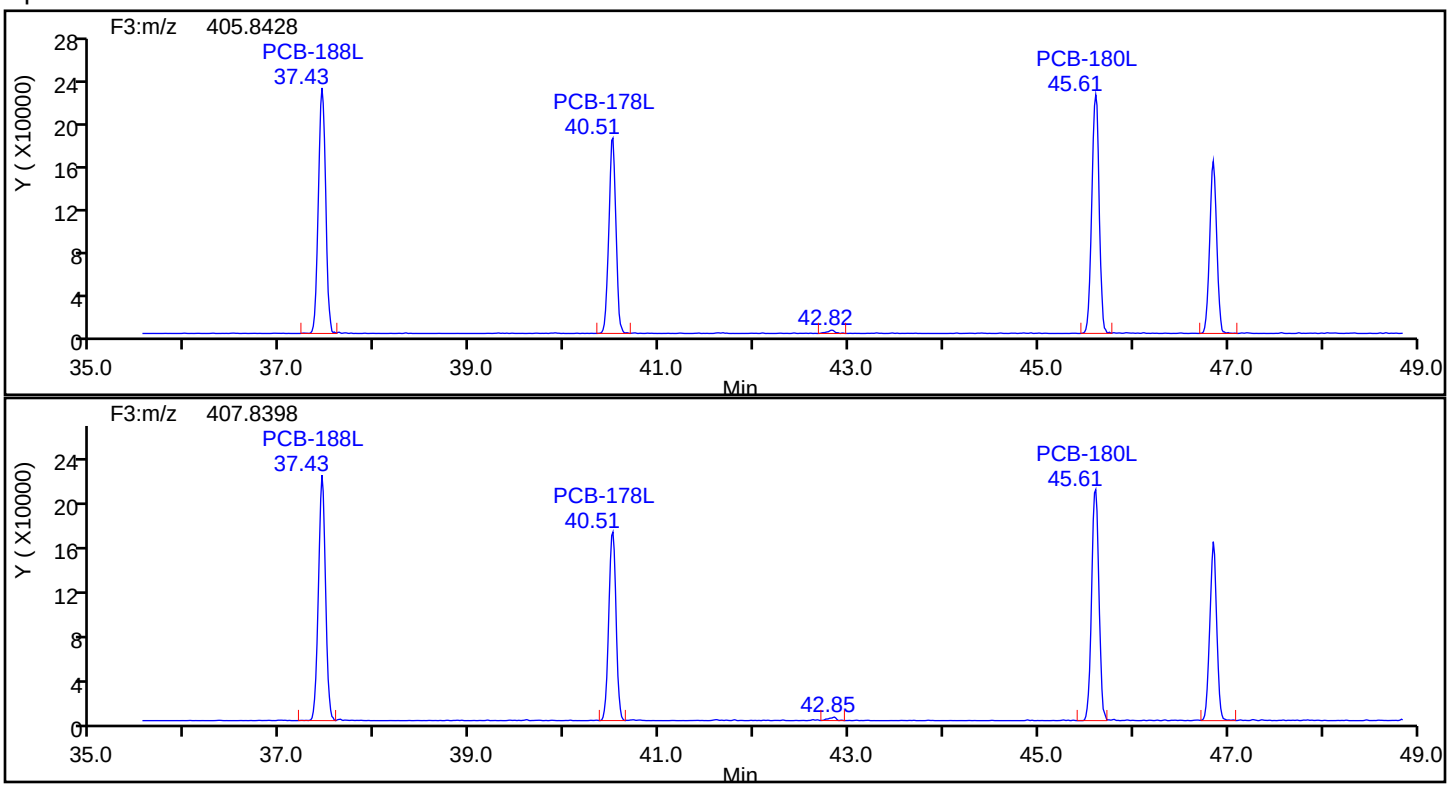
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



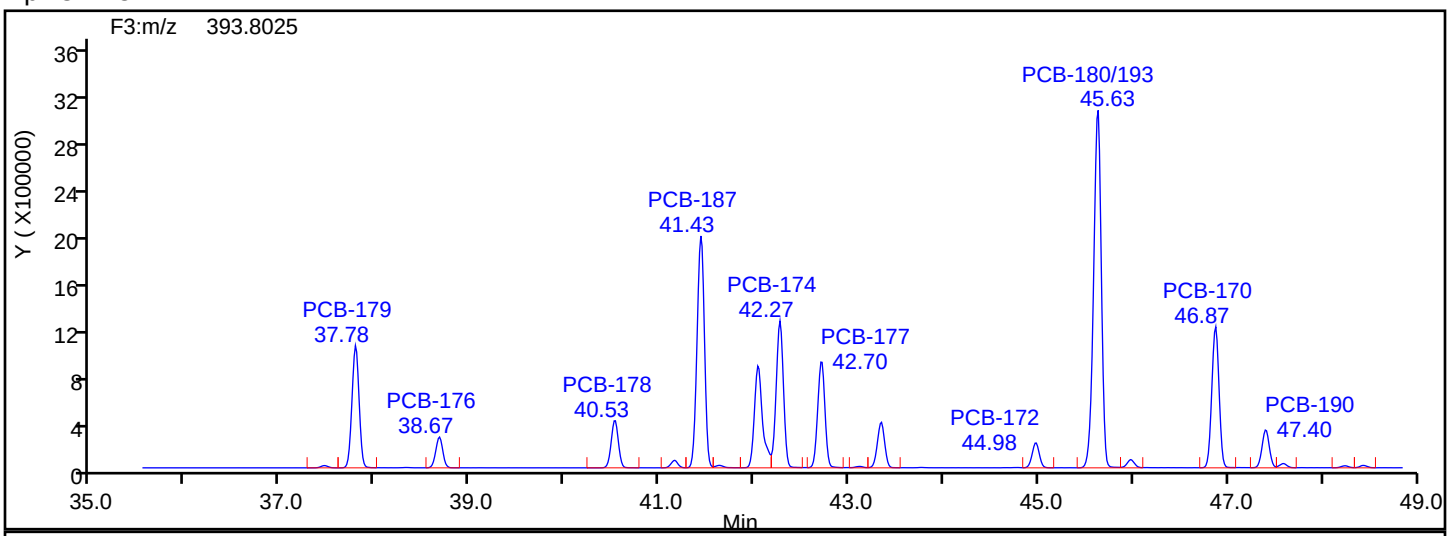

HpPCB F3 Standards

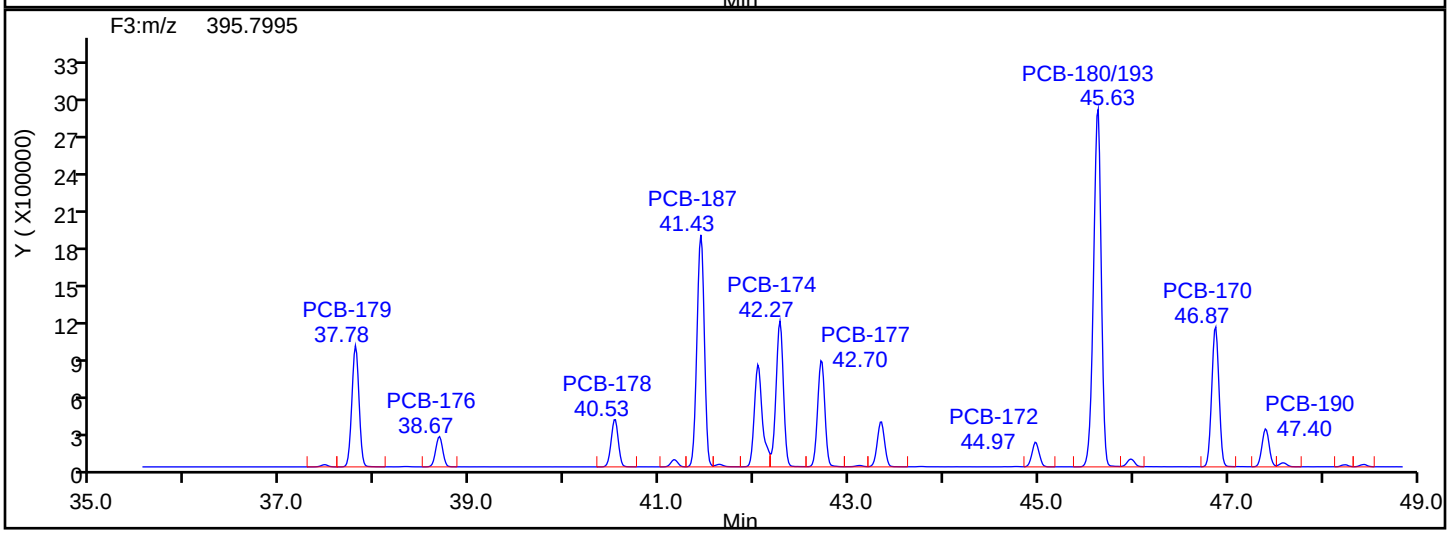


Eurofins TestAmerica, Knoxville

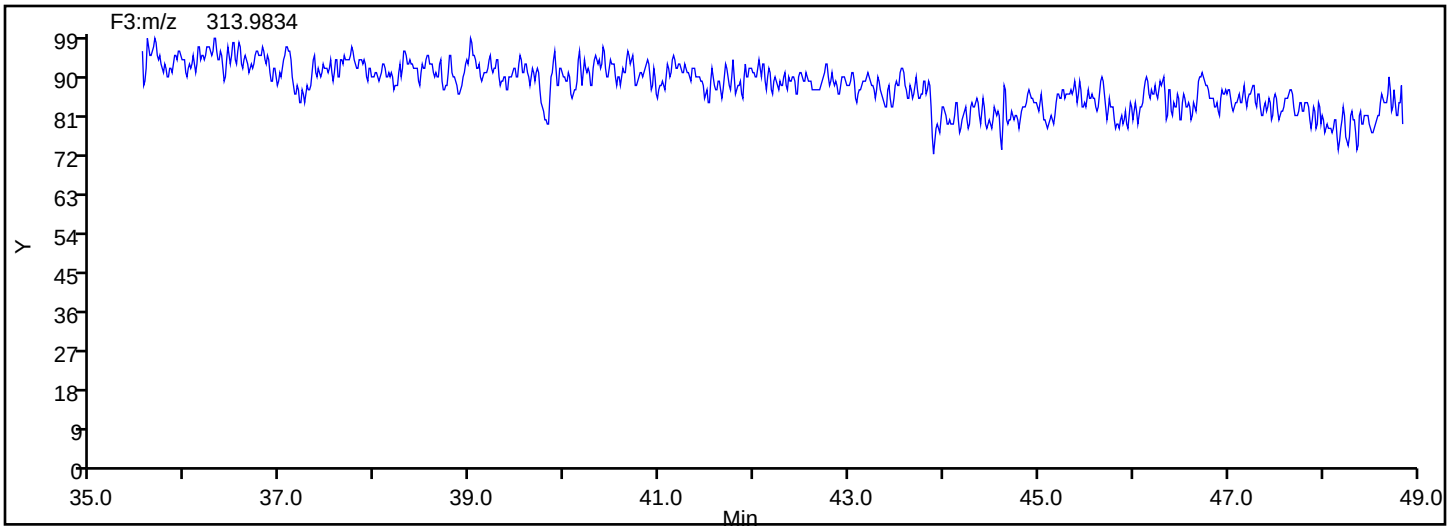
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

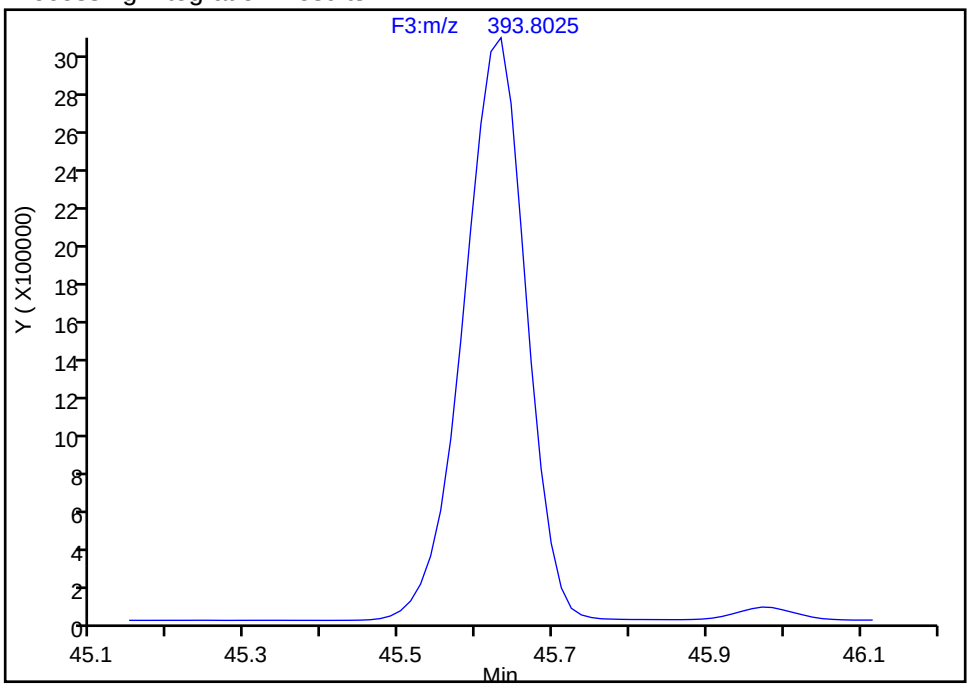
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-F | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

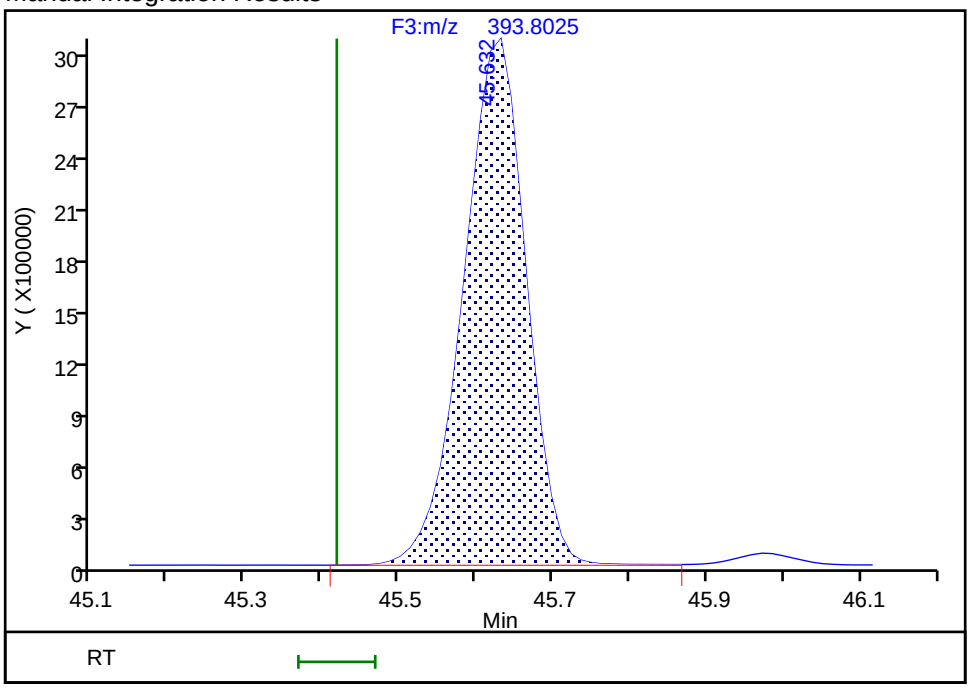
Processing Integration Results

Not Detected
Expected RT: 45.42




Manual Integration Results

RT: 45.63
Area: 17194398
Amount: 1341.8024
Amount Units: pg/ul

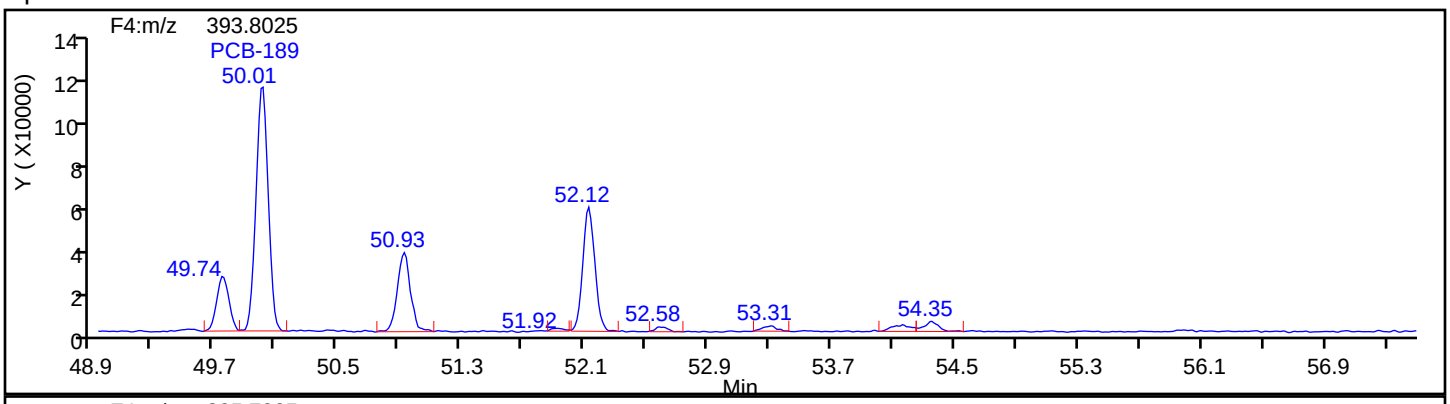


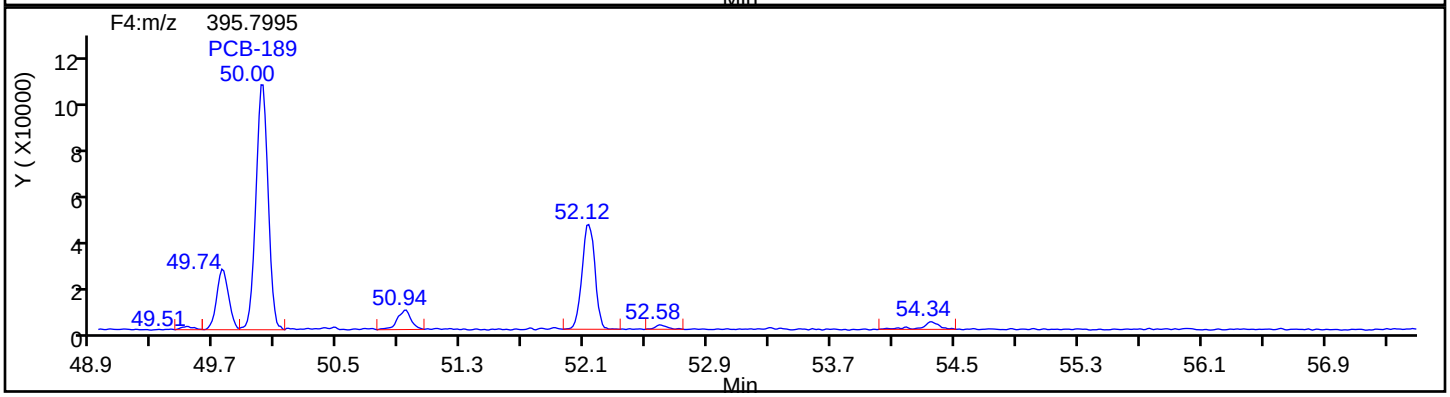

Reviewer: davidsonm, 10-Oct-2019 08:26:17
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

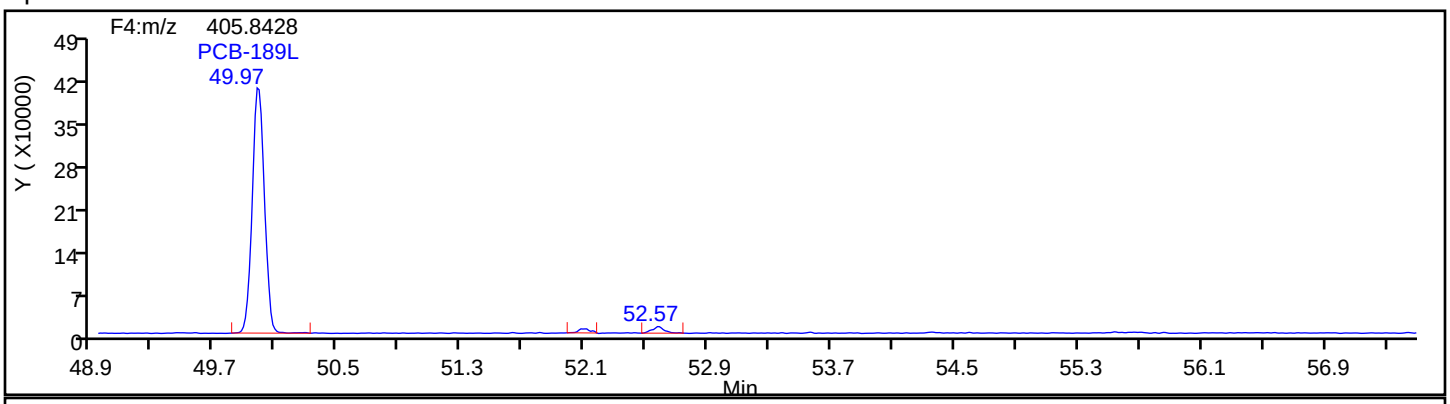
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

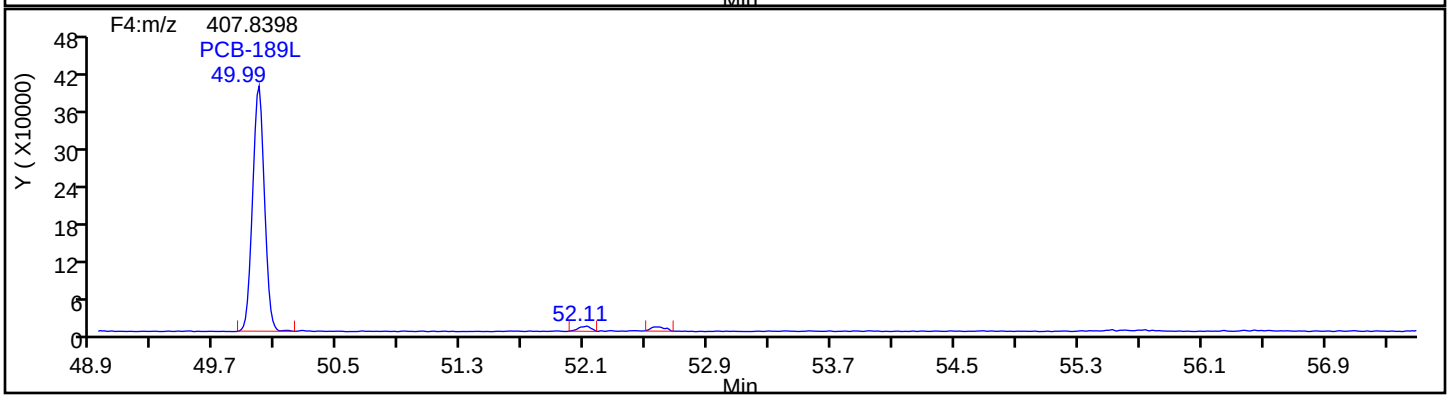
HpPCB F4




HpPCB F4 Standards

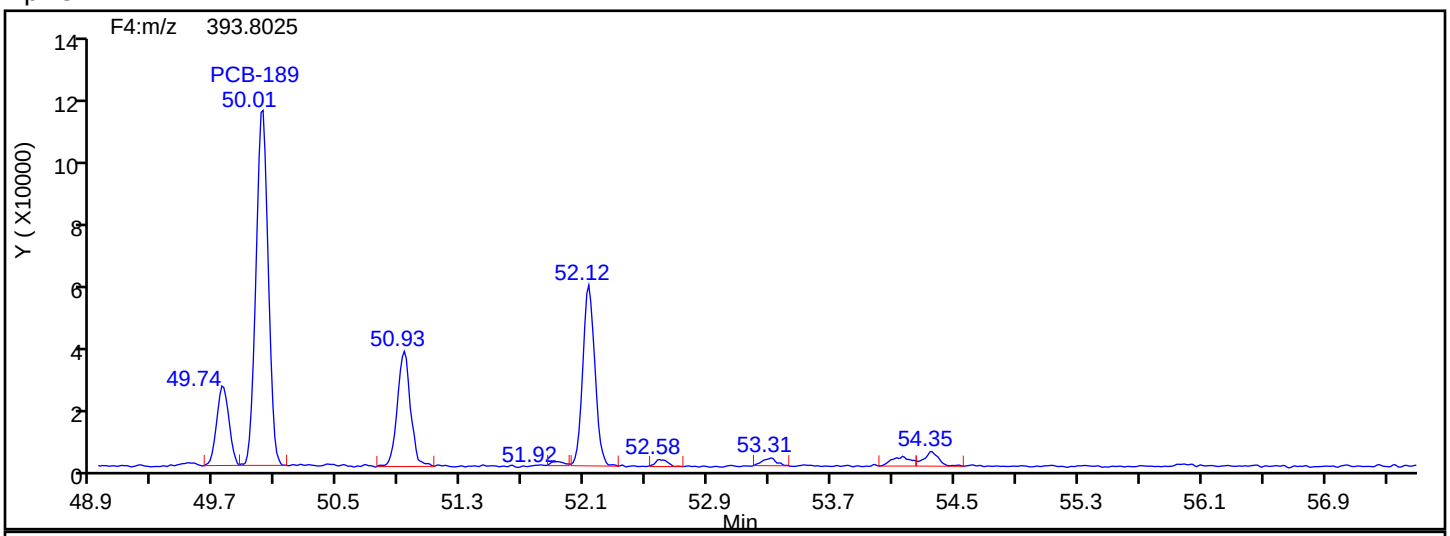


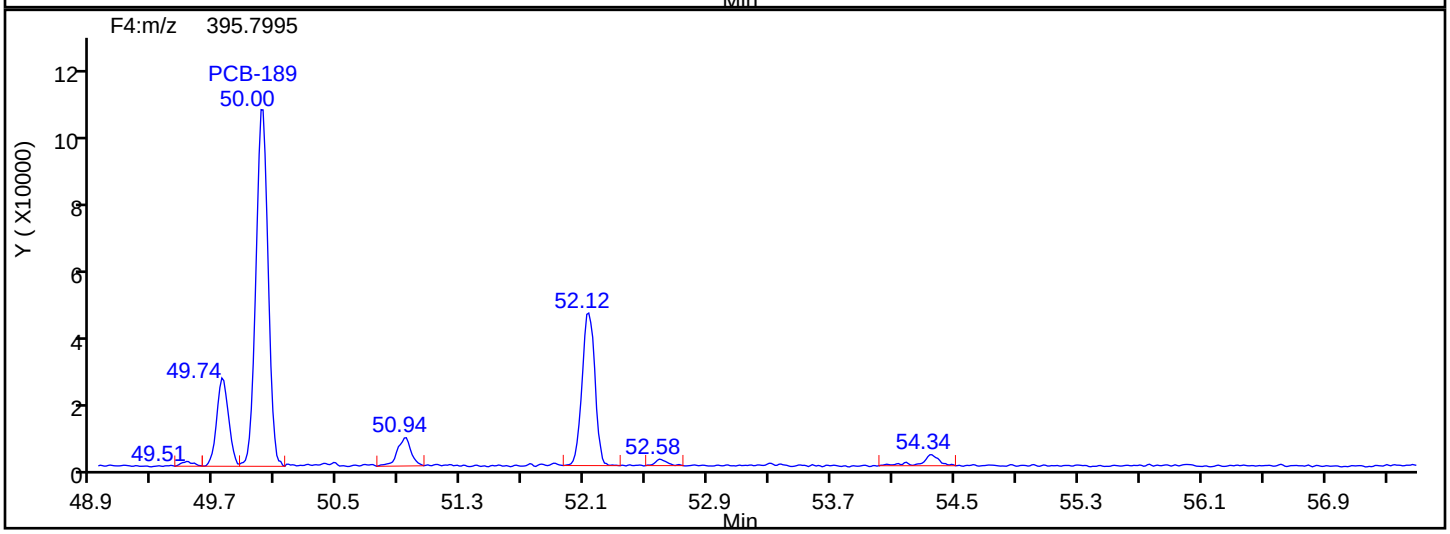



Eurofins TestAmerica, Knoxville

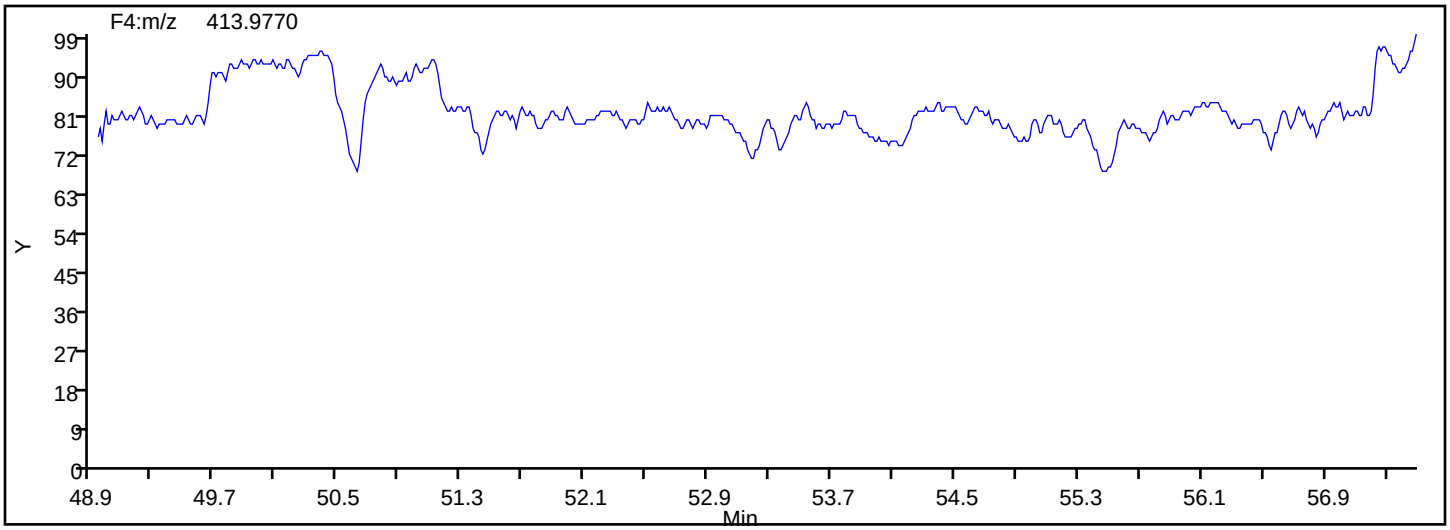
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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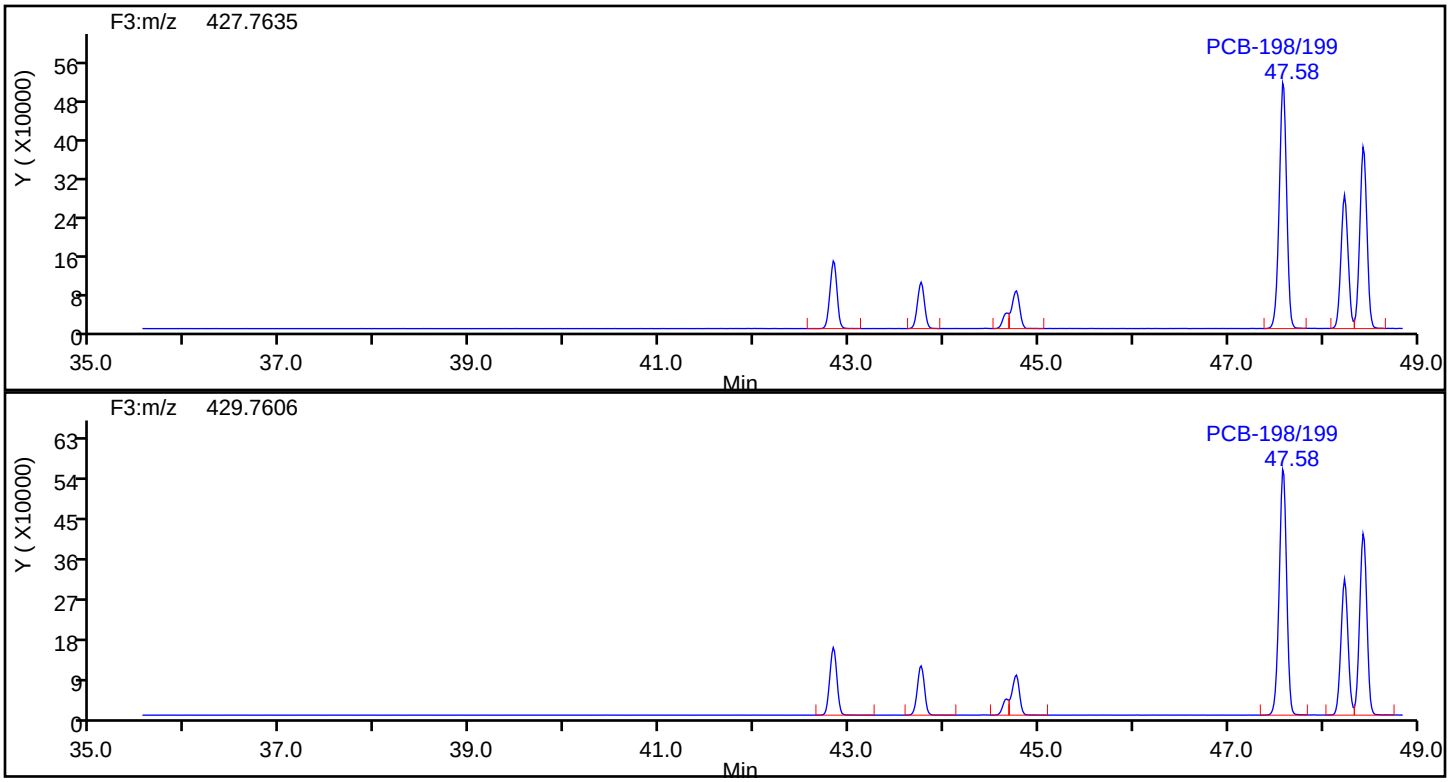
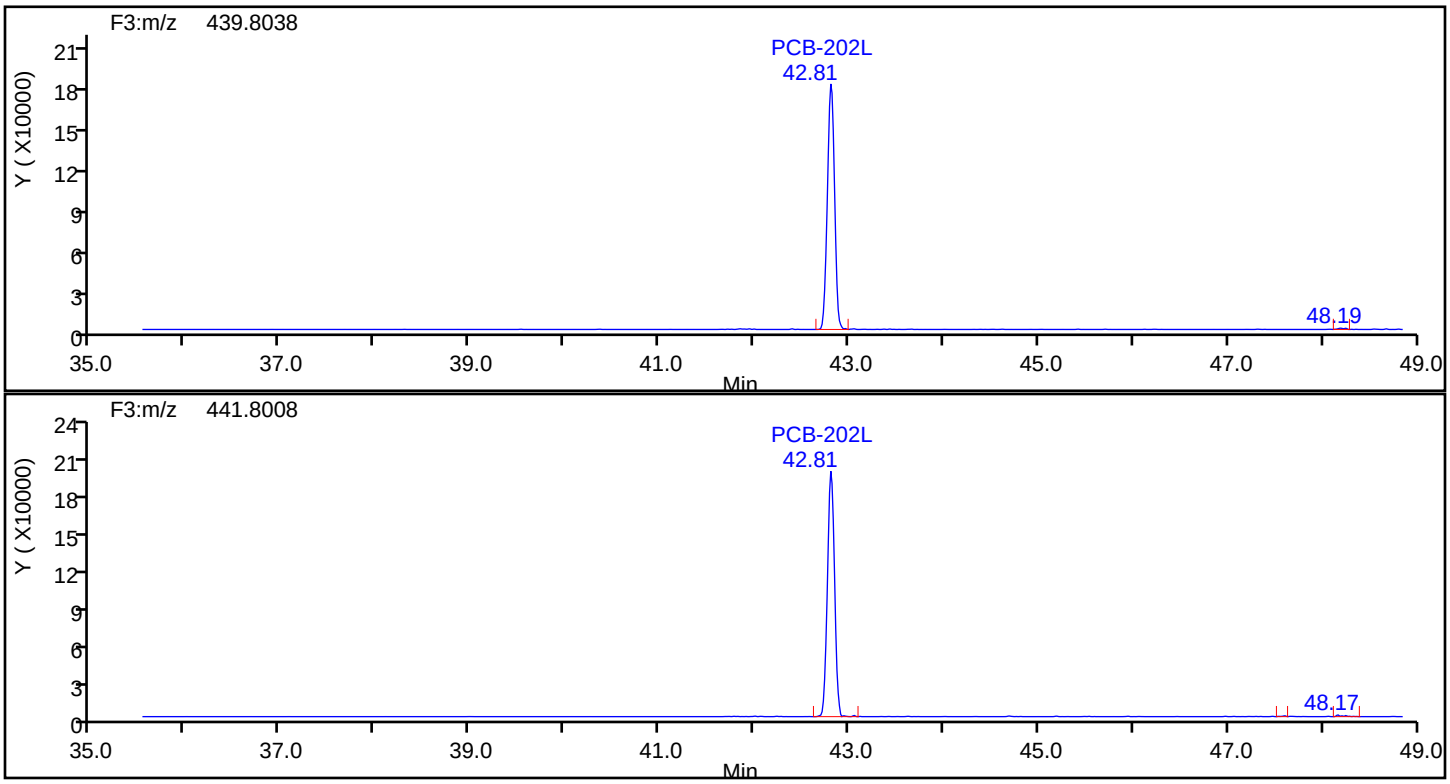
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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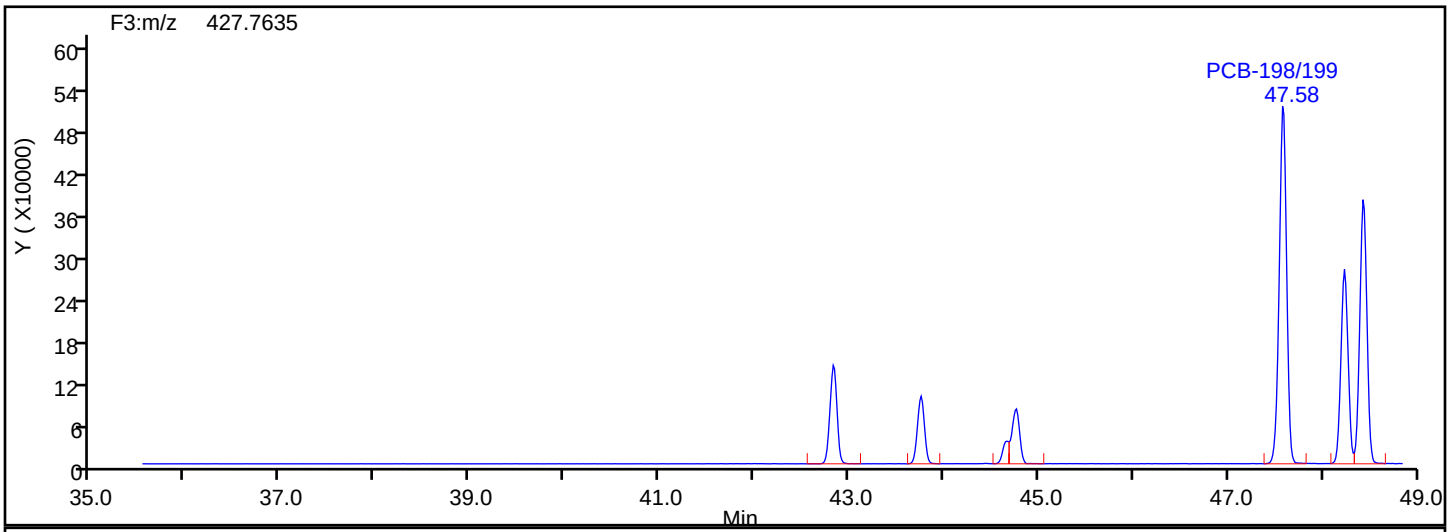
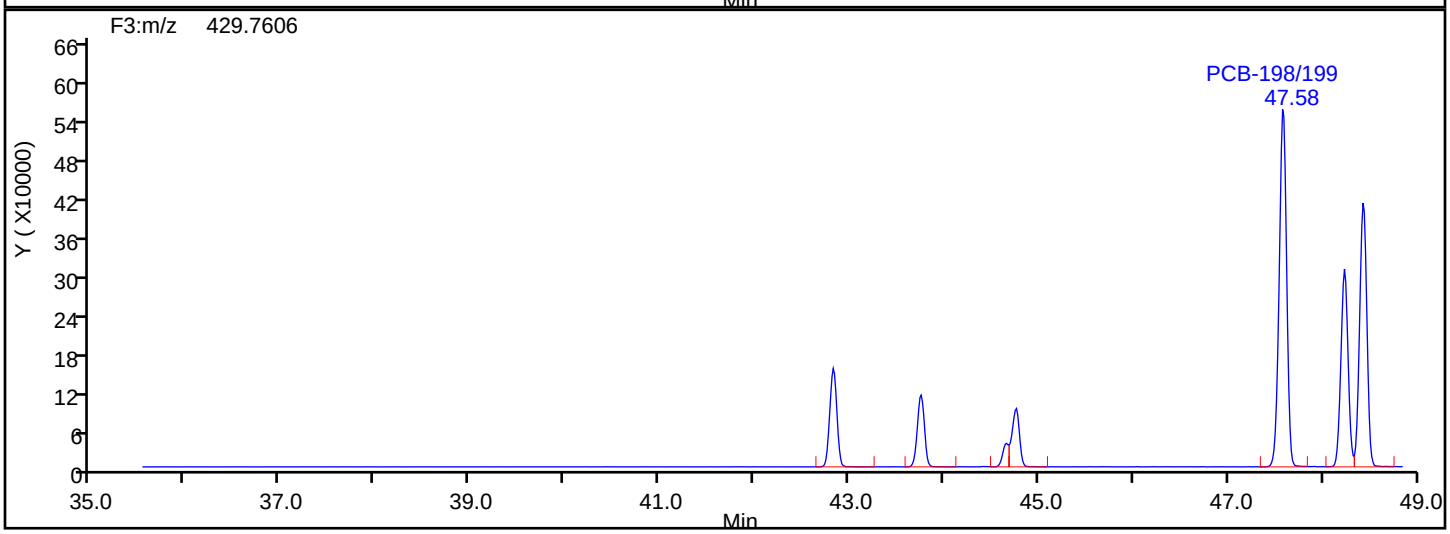
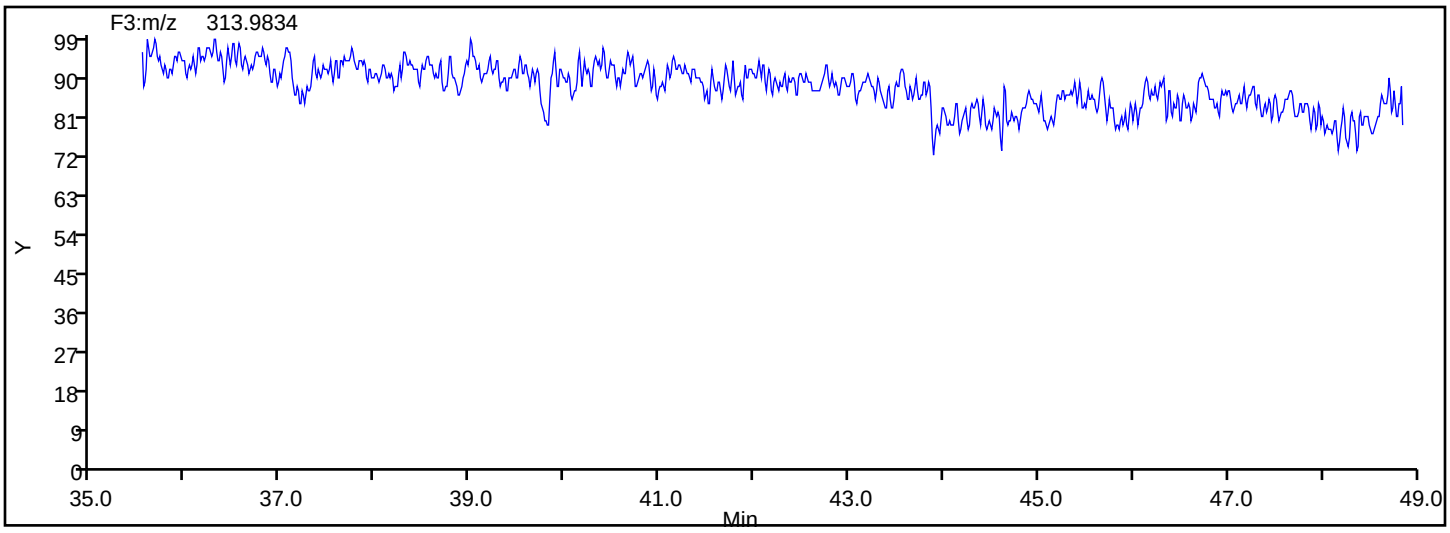
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



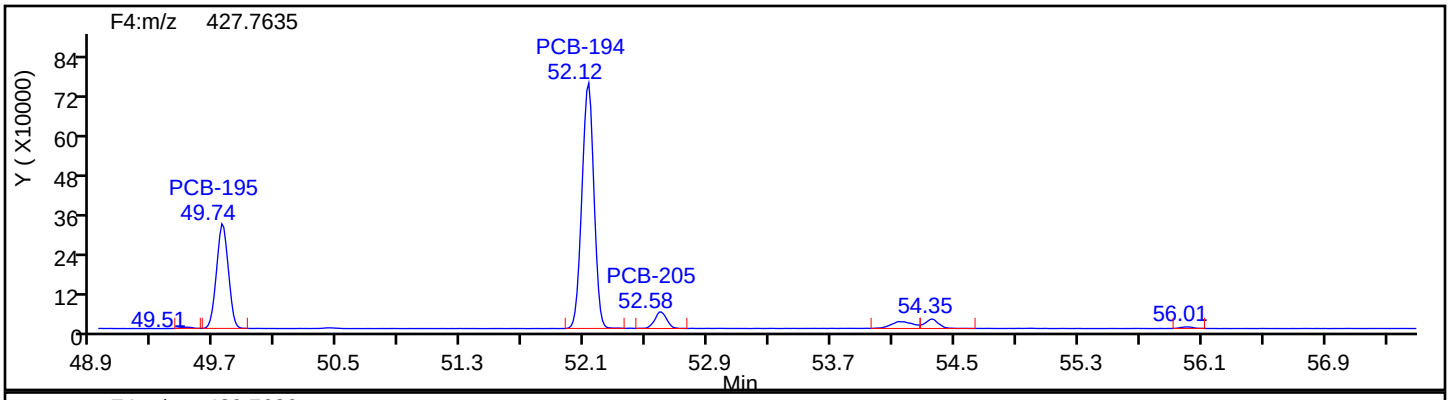

OcPCB F3 Lock Mass

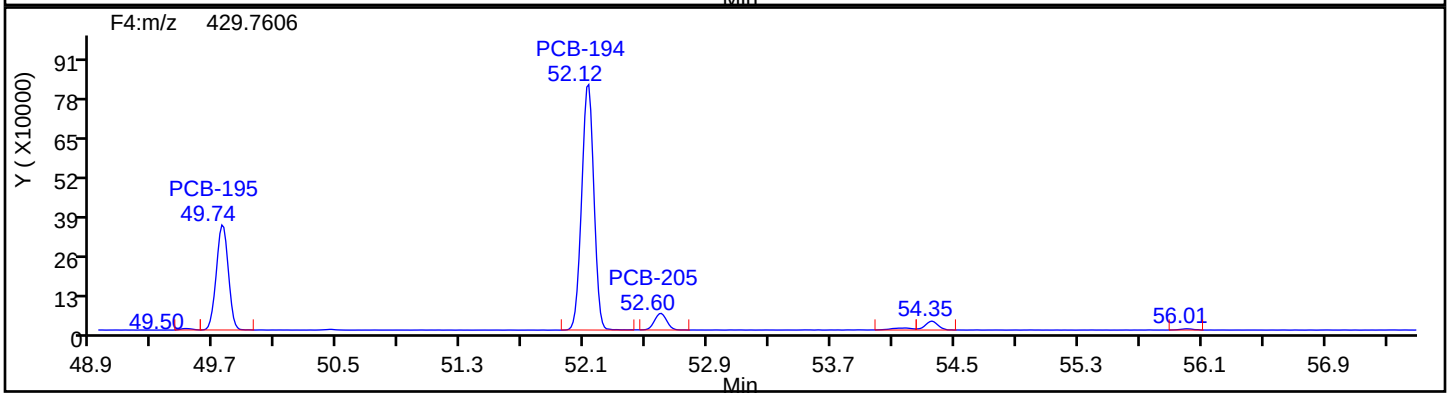


Eurofins TestAmerica, Knoxville

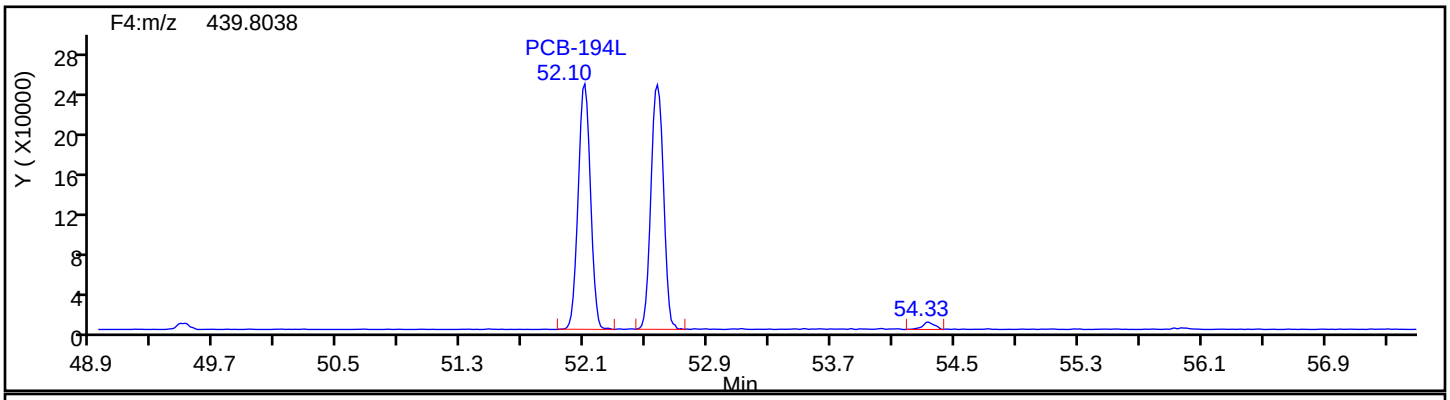
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

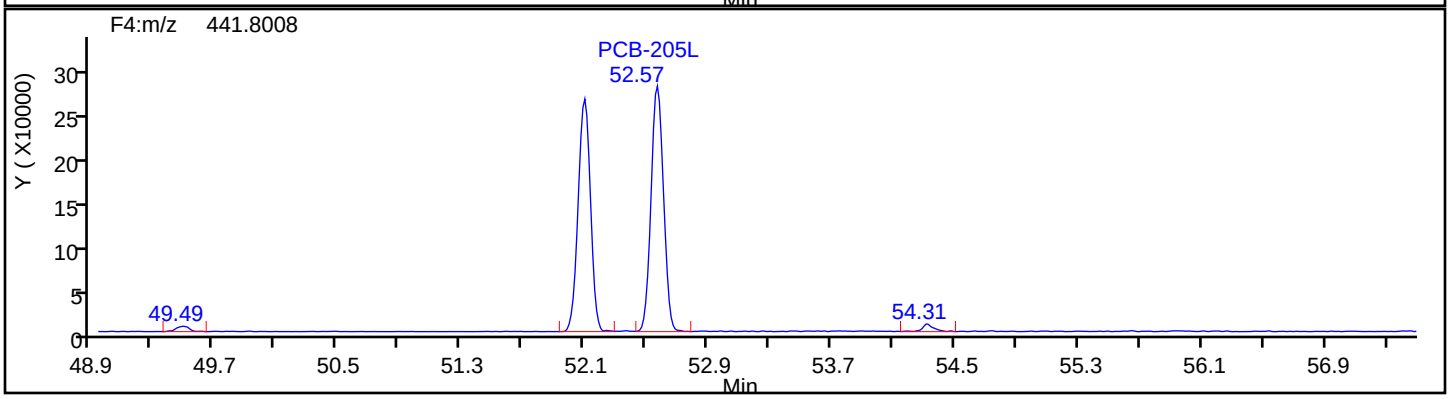
OcPCB F4




OcPCB F4 Standards

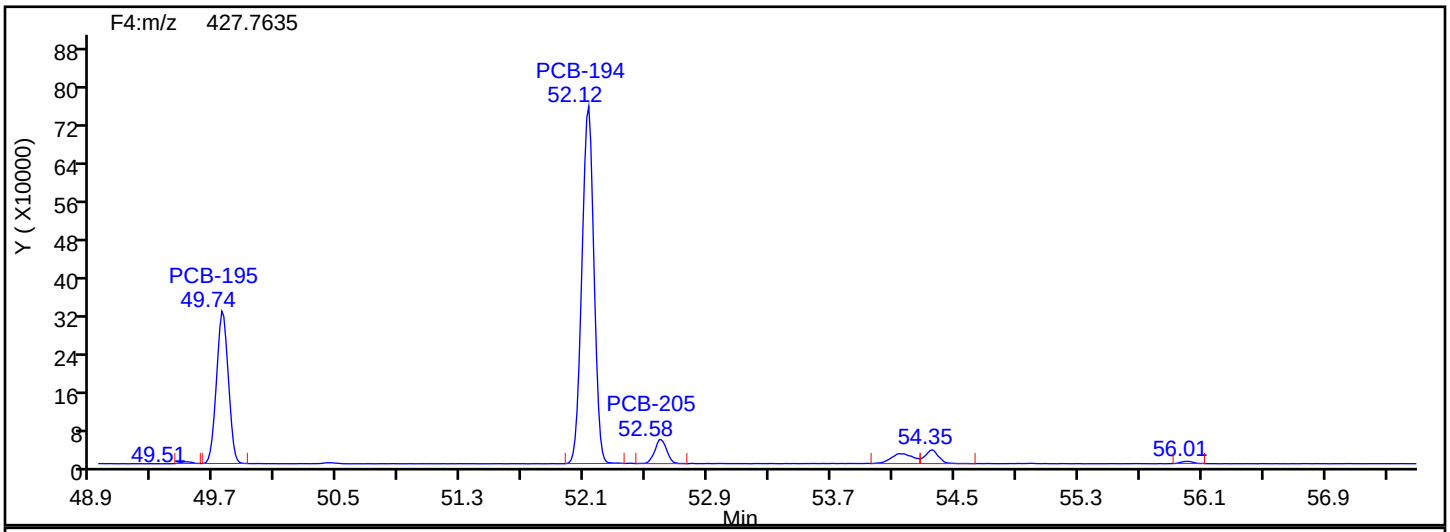


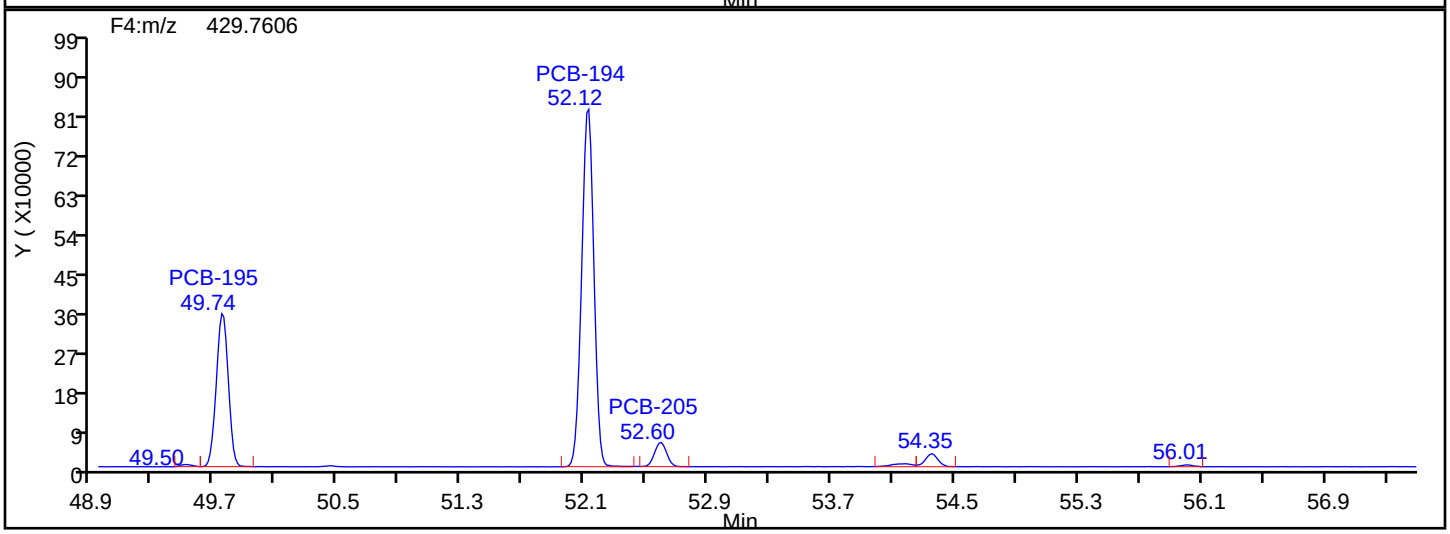



Eurofins TestAmerica, Knoxville

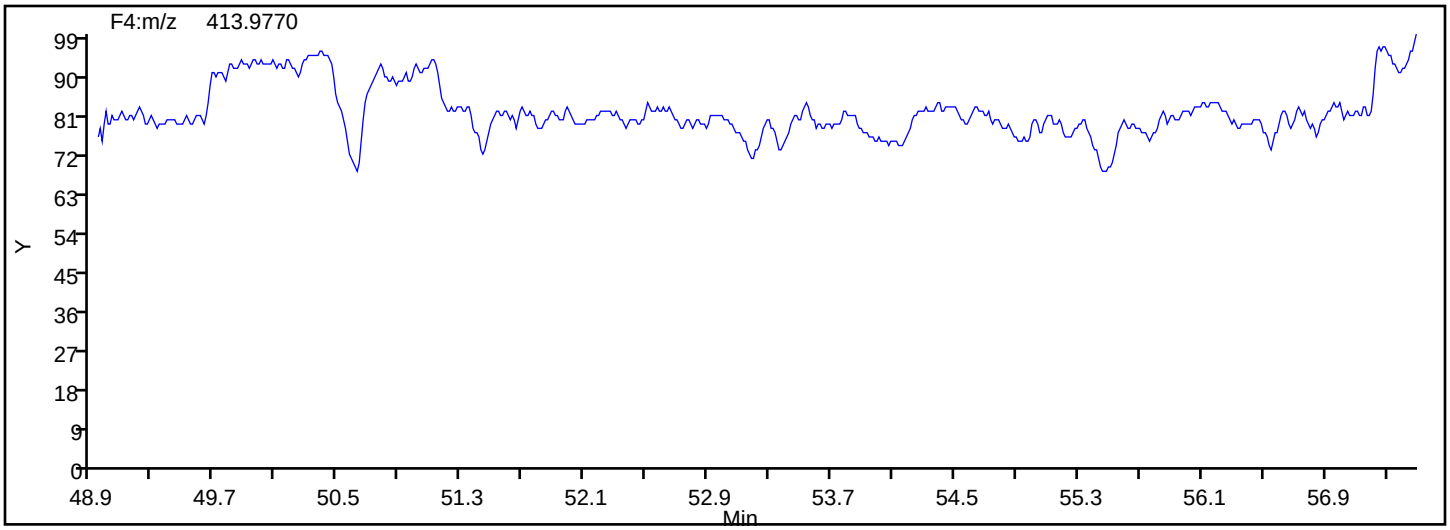
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



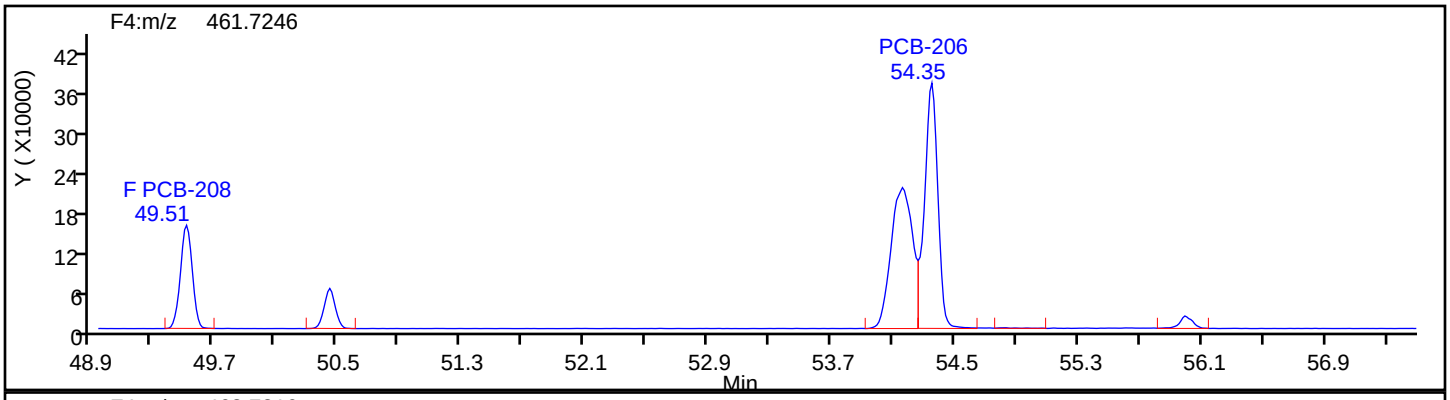

OcPCB F4 Lock Mass

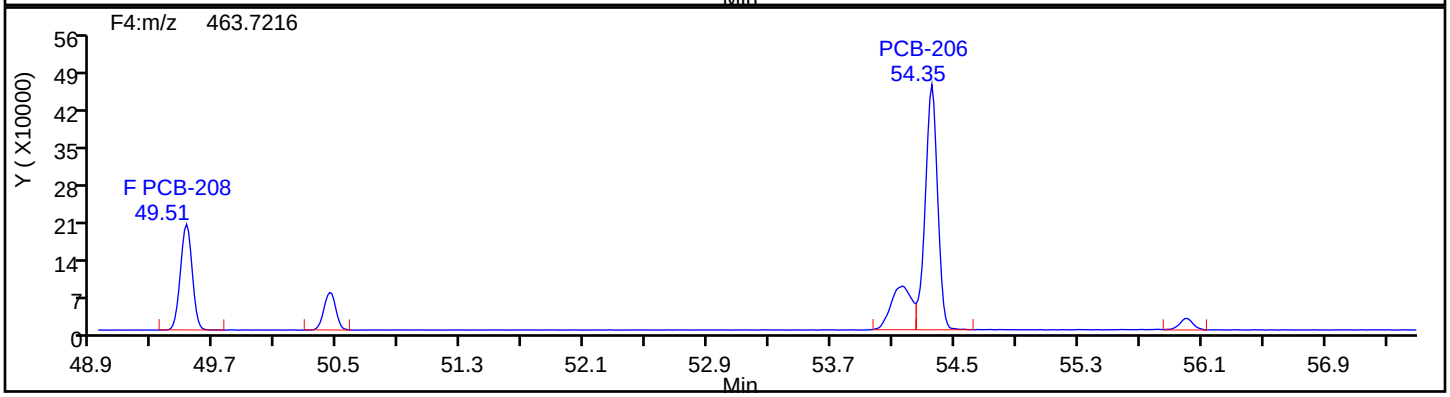


Eurofins TestAmerica, Knoxville

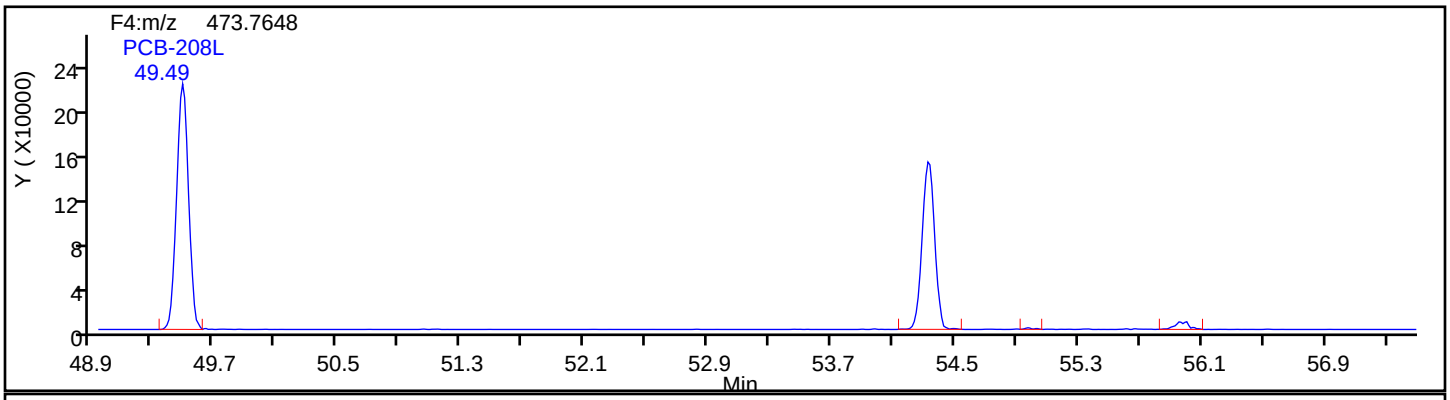
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

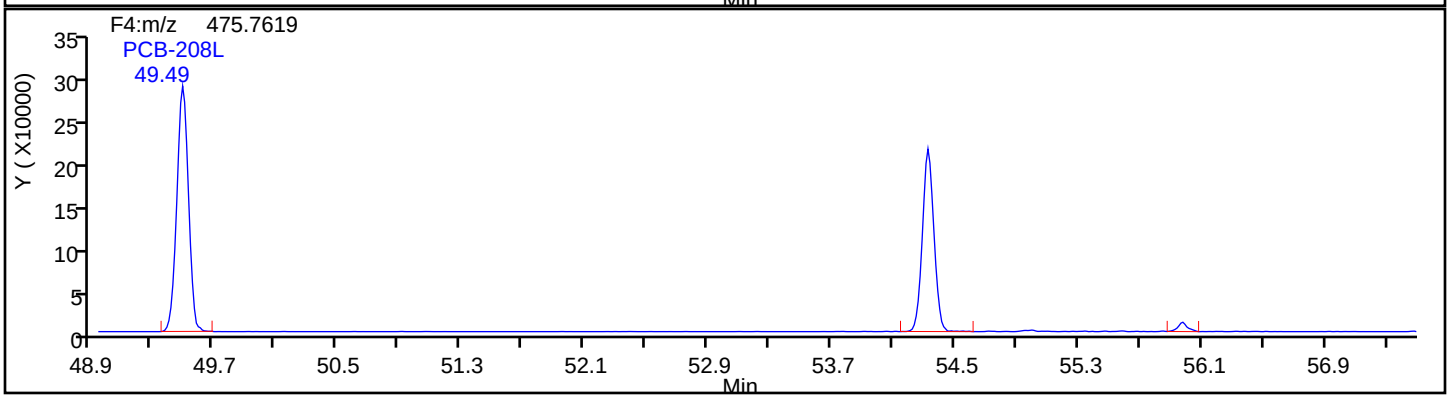
NoPCB F4




NoPCB F4 Standards

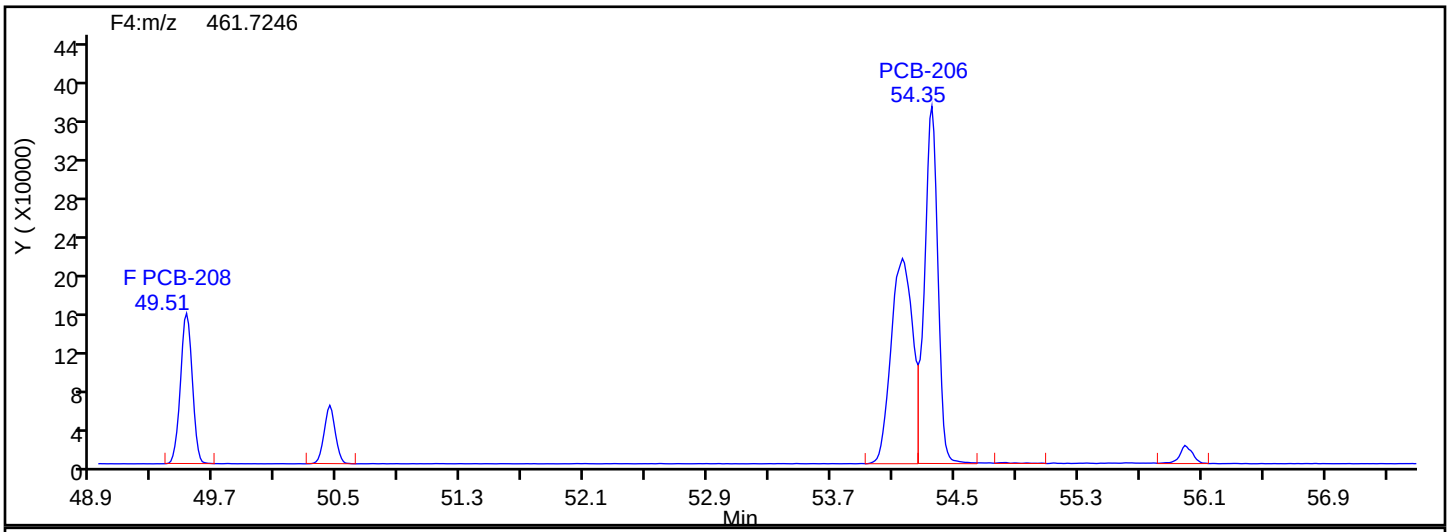


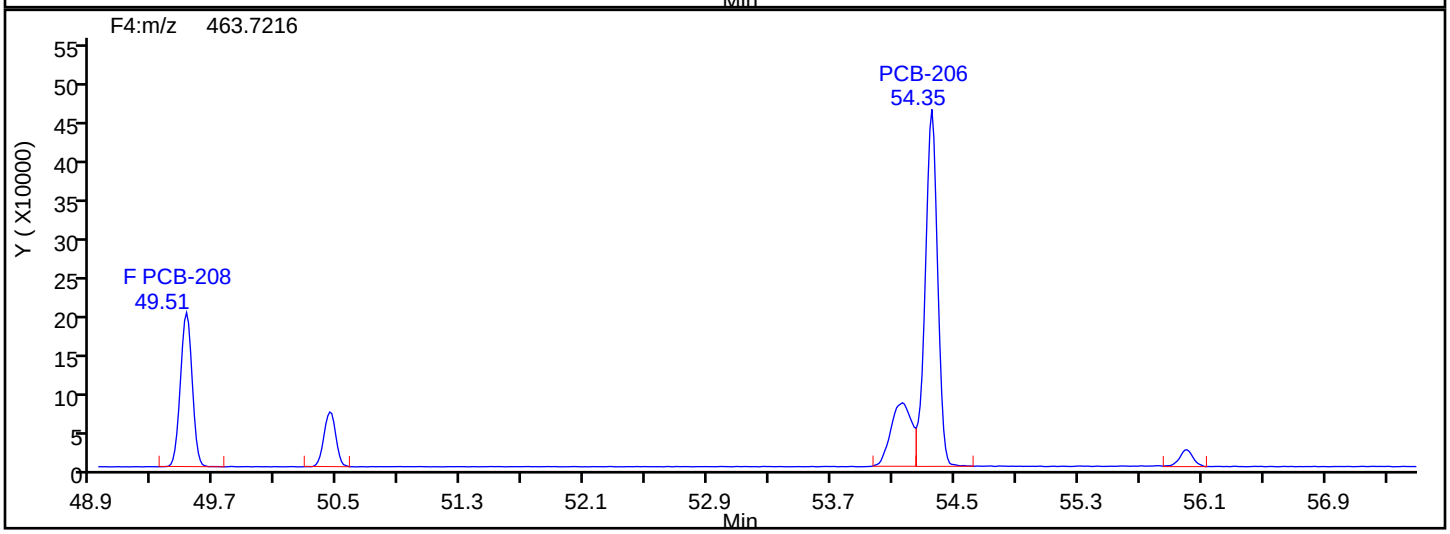



Eurofins TestAmerica, Knoxville

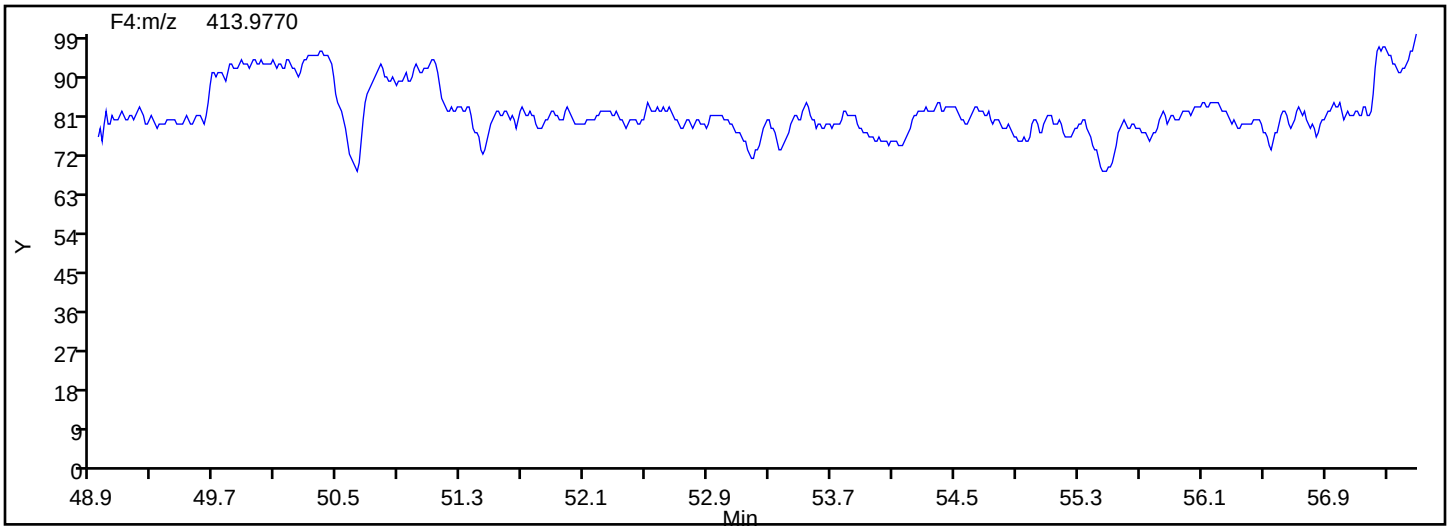
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass

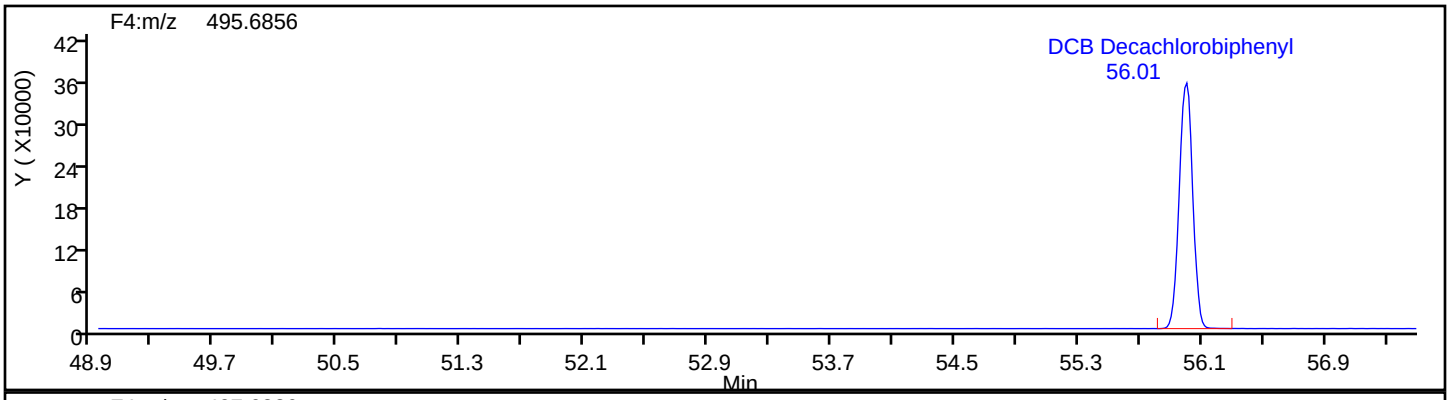


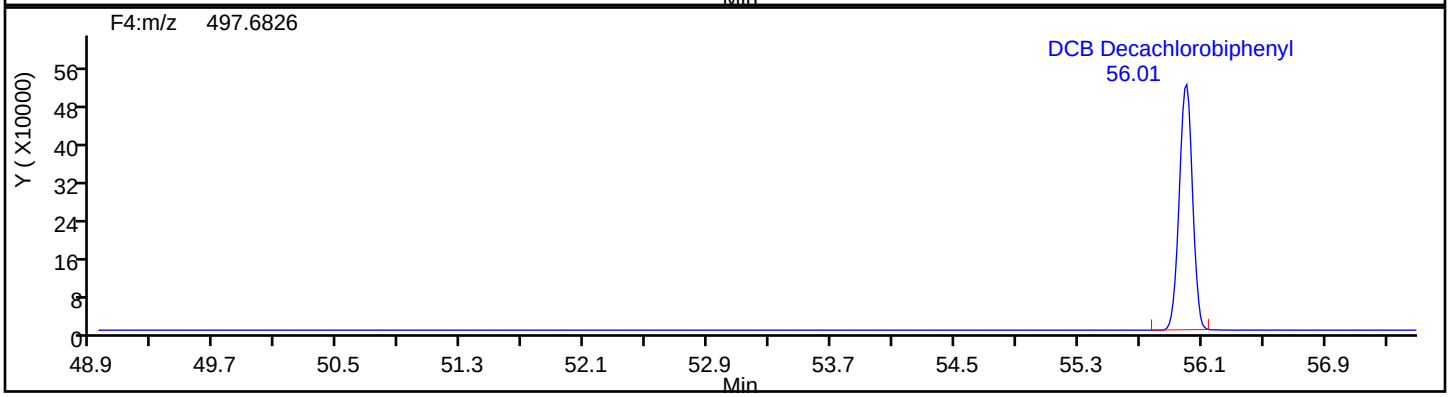
Report Date: 10-Oct-2019 08:26:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

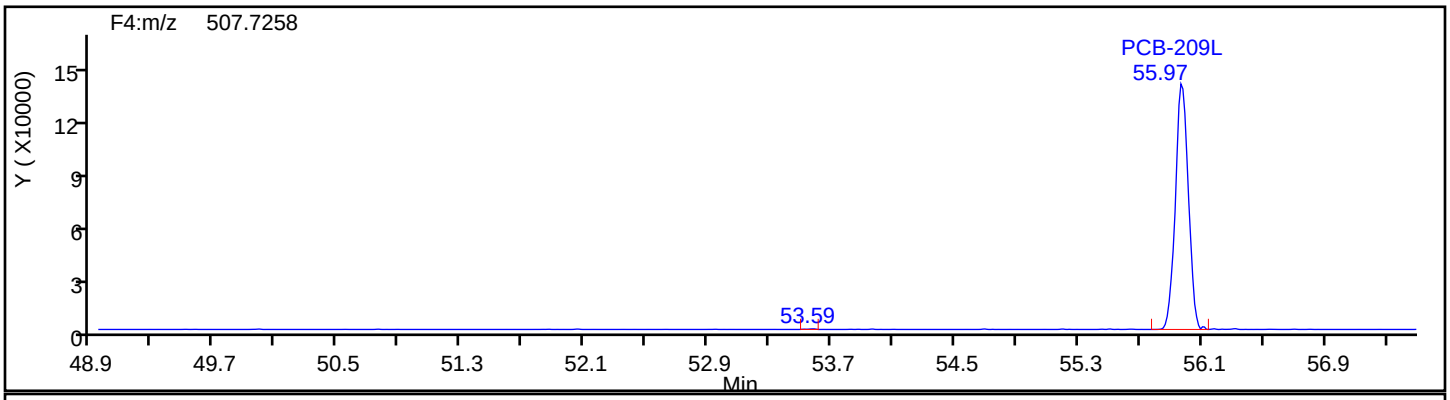
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

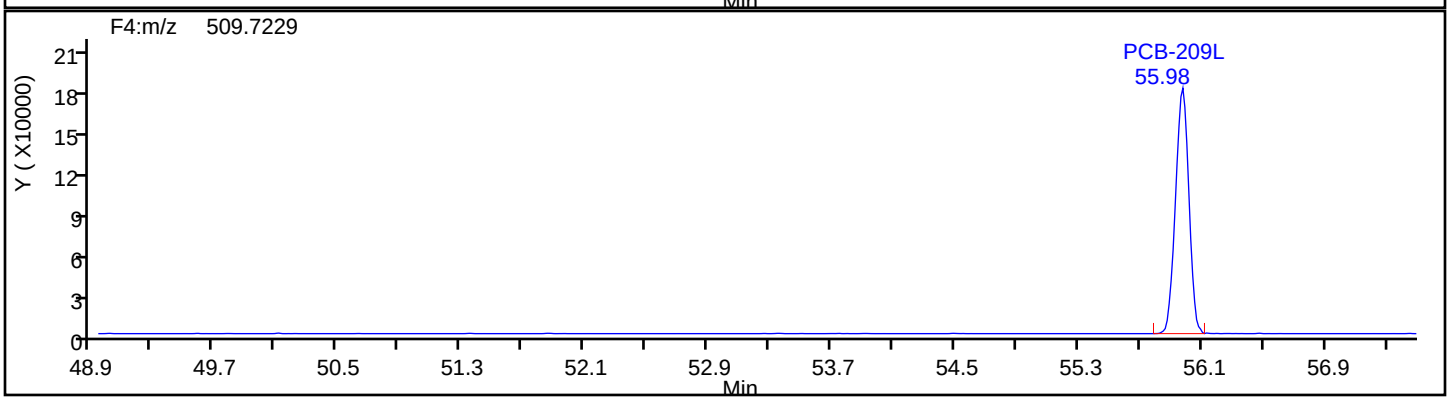
DePCB F4




DePCB F4 Standards



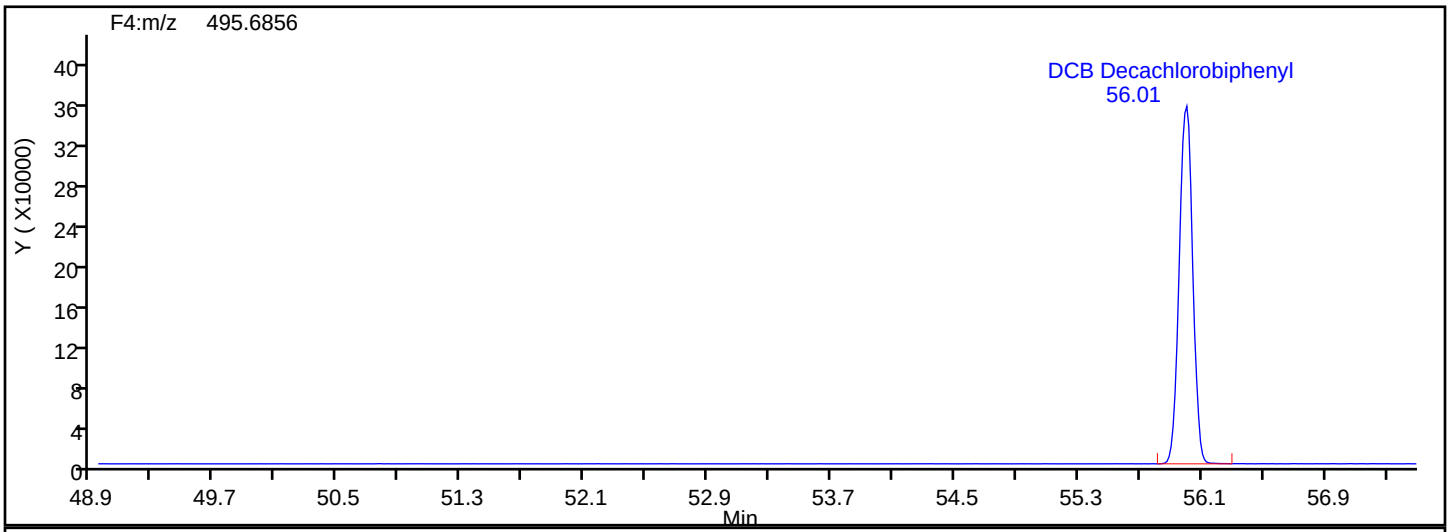



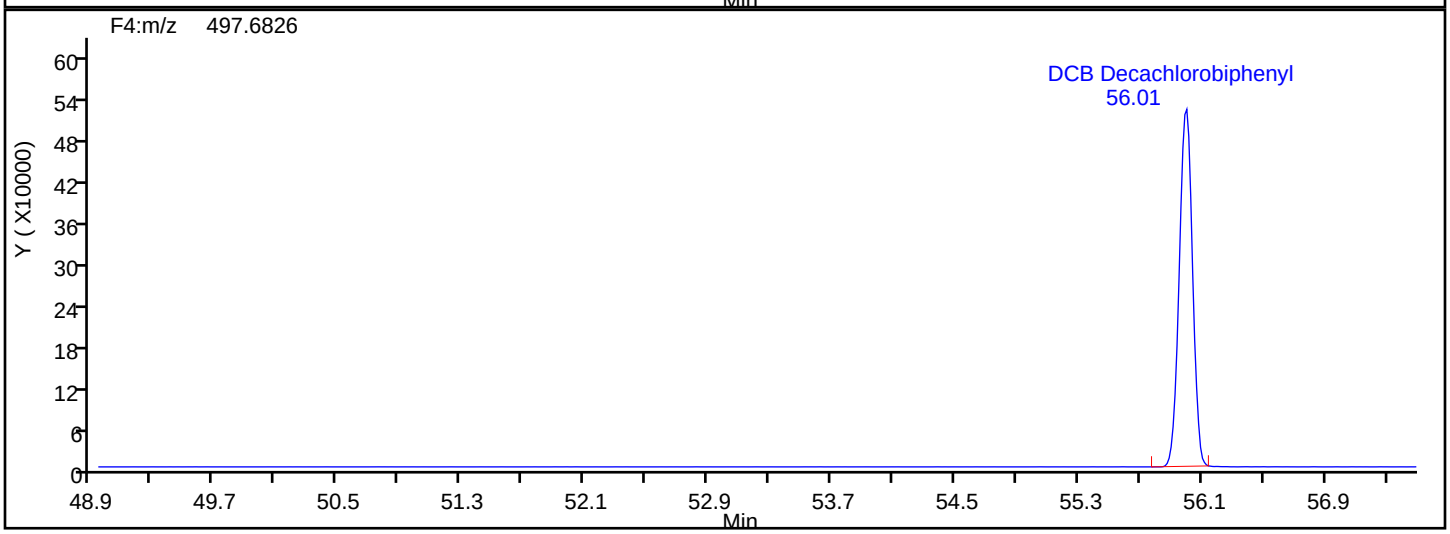
Report Date: 10-Oct-2019 08:26:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

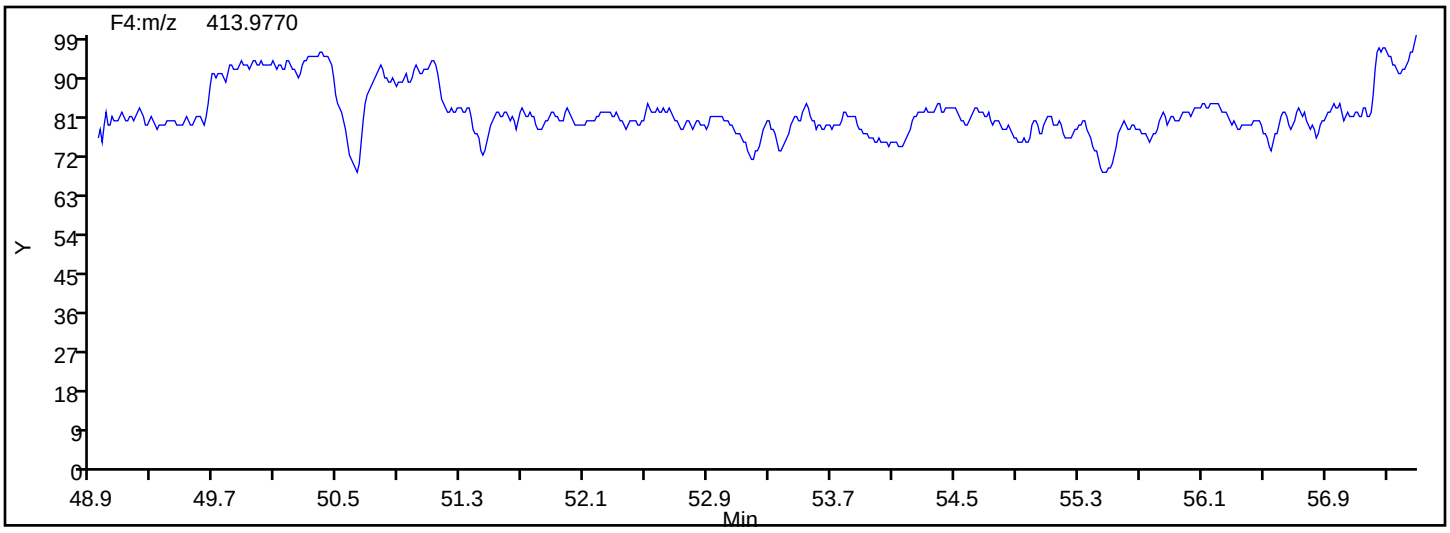
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-31-f.d | | |
| Injection Date: | 10-Oct-2019 06:10:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.036 | J | 0.049 | 0.0018 |
| 2051-61-8 | PCB-2 | 0.0079 | J | 0.049 | 0.0019 |
| 2051-62-9 | PCB-3 | 0.020 | J | 0.049 | 0.0019 |
| 13029-08-8 | PCB-4 | 0.068 | J | 0.098 | 0.0054 |
| 16605-91-7 | PCB-5 | ND | | 0.049 | 0.0024 |
| 25569-80-6 | PCB-6 | 0.064 | | 0.049 | 0.0024 |
| 33284-50-3 | PCB-7 | 0.010 | J | 0.049 | 0.0023 |
| 34883-43-7 | PCB-8 | 0.17 | | 0.098 | 0.0023 |
| 34883-39-1 | PCB-9 | 0.011 | J | 0.049 | 0.0026 |
| 33146-45-1 | PCB-10 | ND | | 0.049 | 0.0025 |
| 2050-67-1 | PCB-11 | 0.016 | J q B | 0.098 | 0.0023 |
| 2974-92-7 | PCB-12 | 0.029 | J C | 0.098 | 0.0022 |
| 2974-90-5 | PCB-13 | 0.029 | J C12 | 0.098 | 0.0022 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0020 |
| 2050-68-2 | PCB-15 | 0.068 | | 0.049 | 0.0018 |
| 38444-78-9 | PCB-16 | 0.17 | | 0.049 | 0.0030 |
| 37680-66-3 | PCB-17 | 0.27 | | 0.049 | 0.0024 |
| 37680-65-2 | PCB-18 | 0.43 | C | 0.098 | 0.0020 |
| 38444-73-4 | PCB-19 | 0.038 | J | 0.049 | 0.0028 |
| 38444-84-7 | PCB-20 | 0.79 | C | 0.098 | 0.0055 |
| 55702-46-0 | PCB-21 | 0.33 | C | 0.098 | 0.0052 |
| 38444-85-8 | PCB-22 | 0.14 | | 0.049 | 0.0057 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.0056 |
| 55702-45-9 | PCB-24 | 0.0037 | J | 0.049 | 0.0018 |
| 55712-37-3 | PCB-25 | 0.15 | | 0.049 | 0.0053 |
| 38444-81-4 | PCB-26 | 0.23 | C | 0.098 | 0.0054 |
| 38444-76-7 | PCB-27 | 0.034 | J | 0.049 | 0.0017 |
| 7012-37-5 | PCB-28 | 0.79 | C20 | 0.098 | 0.0055 |
| 15862-07-4 | PCB-29 | 0.23 | C26 | 0.098 | 0.0054 |
| 35693-92-6 | PCB-30 | 0.43 | C18 | 0.098 | 0.0020 |
| 16606-02-3 | PCB-31 | 0.58 | | 0.098 | 0.0052 |
| 38444-77-8 | PCB-32 | 0.16 | | 0.049 | 0.0016 |
| 38444-86-9 | PCB-33 | 0.33 | C21 | 0.098 | 0.0052 |
| 37680-68-5 | PCB-34 | 0.014 | J | 0.049 | 0.0059 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.033 | J | 0.049 | 0.0059 |
| 38444-87-0 | PCB-36 | 0.013 | J | 0.049 | 0.0053 |
| 38444-90-5 | PCB-37 | 0.15 | | 0.049 | 0.0055 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.0054 |
| 38444-88-1 | PCB-39 | 0.030 | J | 0.049 | 0.0051 |
| 38444-93-8 | PCB-40 | 0.94 | C | 0.15 | 0.047 |
| 52663-59-9 | PCB-41 | 0.94 | C40 | 0.15 | 0.047 |
| 36559-22-5 | PCB-42 | 0.59 | | 0.049 | 0.049 |
| 70362-46-8 | PCB-43 | 0.080 | J C | 0.098 | 0.043 |
| 41464-39-5 | PCB-44 | 4.0 | C B | 0.15 | 0.041 |
| 70362-45-7 | PCB-45 | 0.22 | C B | 0.098 | 0.048 |
| 41464-47-5 | PCB-46 | 0.074 | G | 0.056 | 0.056 |
| 2437-79-8 | PCB-47 | 4.0 | C44 B | 0.15 | 0.041 |
| 70362-47-9 | PCB-48 | 0.16 | | 0.049 | 0.045 |
| 41464-40-8 | PCB-49 | 4.0 | C B | 0.098 | 0.038 |
| 62796-65-0 | PCB-50 | 0.24 | C | 0.098 | 0.046 |
| 68194-04-7 | PCB-51 | 0.22 | C45 B | 0.098 | 0.048 |
| 35693-99-3 | PCB-52 | 7.7 | B | 0.049 | 0.048 |
| 41464-41-9 | PCB-53 | 0.24 | C50 | 0.098 | 0.046 |
| 15968-05-5 | PCB-54 | 0.0062 | J | 0.049 | 0.00086 |
| 74338-24-2 | PCB-55 | ND | | 0.049 | 0.033 |
| 41464-43-1 | PCB-56 | 0.67 | | 0.049 | 0.034 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.033 |
| 41464-49-7 | PCB-58 | ND | | 0.049 | 0.032 |
| 74472-33-6 | PCB-59 | 0.12 | J C | 0.15 | 0.031 |
| 33025-41-1 | PCB-60 | 0.12 | | 0.049 | 0.032 |
| 33284-53-6 | PCB-61 | 5.5 | C B | 0.20 | 0.032 |
| 54230-22-7 | PCB-62 | 0.12 | J C59 | 0.15 | 0.031 |
| 74472-34-7 | PCB-63 | 0.072 | | 0.049 | 0.029 |
| 52663-58-8 | PCB-64 | 0.71 | | 0.049 | 0.030 |
| 33284-54-7 | PCB-65 | 4.0 | C44 B | 0.15 | 0.041 |
| 32598-10-0 | PCB-66 | 2.7 | | 0.049 | 0.033 |
| 73575-53-8 | PCB-67 | 0.039 | J | 0.049 | 0.031 |
| 73575-52-7 | PCB-68 | 0.38 | | 0.049 | 0.029 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 4.0 | C49 B | 0.098 | 0.038 |
| 32598-11-1 | PCB-70 | 5.5 | C61 B | 0.20 | 0.032 |
| 41464-46-4 | PCB-71 | 0.94 | C40 | 0.15 | 0.047 |
| 41464-42-0 | PCB-72 | 0.39 | | 0.049 | 0.033 |
| 74338-23-1 | PCB-73 | 0.080 | J C43 | 0.098 | 0.043 |
| 32690-93-0 | PCB-74 | 5.5 | C61 B | 0.20 | 0.032 |
| 32598-12-2 | PCB-75 | 0.12 | J C59 | 0.15 | 0.031 |
| 70362-48-0 | PCB-76 | 5.5 | C61 B | 0.20 | 0.032 |
| 32598-13-3 | PCB-77 | 0.083 | | 0.049 | 0.032 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.033 |
| 41464-48-6 | PCB-79 | 0.30 | | 0.049 | 0.028 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.029 |
| 70362-50-4 | PCB-81 | ND | | 0.049 | 0.033 |
| 52663-62-4 | PCB-82 | 0.98 | | 0.049 | 0.0021 |
| 60145-20-2 | PCB-83 | 12 | C | 0.098 | 0.0019 |
| 52663-60-2 | PCB-84 | 2.8 | B | 0.049 | 0.0021 |
| 65510-45-4 | PCB-85 | 1.4 | C B | 0.15 | 0.0015 |
| 55312-69-1 | PCB-86 | 6.9 | C | 0.29 | 0.0015 |
| 38380-02-8 | PCB-87 | 6.9 | C86 | 0.29 | 0.0015 |
| 55215-17-3 | PCB-88 | 2.8 | C | 0.098 | 0.0018 |
| 73575-57-2 | PCB-89 | ND | | 0.049 | 0.0020 |
| 68194-07-0 | PCB-90 | 17 | C B | 0.15 | 0.0016 |
| 68194-05-8 | PCB-91 | 2.8 | C88 | 0.098 | 0.0018 |
| 52663-61-3 | PCB-92 | 4.8 | | 0.049 | 0.0019 |
| 73575-56-1 | PCB-93 | 0.63 | C | 0.098 | 0.0018 |
| 73575-55-0 | PCB-94 | 0.054 | | 0.049 | 0.0020 |
| 38379-99-6 | PCB-95 | 12 | | 0.049 | 0.0019 |
| 73575-54-9 | PCB-96 | 0.068 | | 0.049 | 0.0015 |
| 41464-51-1 | PCB-97 | 6.9 | C86 | 0.29 | 0.0015 |
| 60233-25-2 | PCB-98 | 0.41 | C | 0.098 | 0.0018 |
| 38380-01-7 | PCB-99 | 12 | C83 | 0.098 | 0.0019 |
| 39485-83-1 | PCB-100 | 0.63 | C93 | 0.098 | 0.0018 |
| 37680-73-2 | PCB-101 | 17 | C90 B | 0.15 | 0.0016 |
| 68194-06-9 | PCB-102 | 0.41 | C98 | 0.098 | 0.0018 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.77 | | 0.049 | 0.0017 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0013 |
| 32598-14-4 | PCB-105 | 2.6 | | 0.049 | 0.016 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.016 |
| 70424-68-9 | PCB-107 | 1.1 | | 0.049 | 0.015 |
| 70362-41-3 | PCB-108 | 0.30 | C | 0.098 | 0.017 |
| 74472-35-8 | PCB-109 | 6.9 | C86 | 0.29 | 0.0015 |
| 38380-03-9 | PCB-110 | 13 | C | 0.098 | 0.0013 |
| 39635-32-0 | PCB-111 | 0.13 | | 0.049 | 0.0012 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0013 |
| 68194-10-5 | PCB-113 | 17 | C90 B | 0.15 | 0.0016 |
| 74472-37-0 | PCB-114 | 0.13 | | 0.049 | 0.015 |
| 74472-38-1 | PCB-115 | 13 | C110 | 0.098 | 0.0013 |
| 18259-05-7 | PCB-116 | 1.4 | C85 B | 0.15 | 0.0015 |
| 68194-11-6 | PCB-117 | 1.4 | C85 B | 0.15 | 0.0015 |
| 31508-00-6 | PCB-118 | 8.6 | B | 0.049 | 0.016 |
| 56558-17-9 | PCB-119 | 6.9 | C86 | 0.29 | 0.0015 |
| 68194-12-7 | PCB-120 | 0.37 | | 0.049 | 0.0012 |
| 56558-18-0 | PCB-121 | 0.073 | | 0.049 | 0.0013 |
| 76842-07-4 | PCB-122 | 0.10 | | 0.049 | 0.018 |
| 65510-44-3 | PCB-123 | 0.10 | | 0.049 | 0.015 |
| 70424-70-3 | PCB-124 | 0.30 | C108 | 0.098 | 0.017 |
| 74472-39-2 | PCB-125 | 6.9 | C86 | 0.29 | 0.0015 |
| 57465-28-8 | PCB-126 | ND | | 0.049 | 0.016 |
| 39635-33-1 | PCB-127 | ND | | 0.049 | 0.016 |
| 38380-07-3 | PCB-128 | 1.7 | C B | 0.098 | 0.0074 |
| 55215-18-4 | PCB-129 | 16 | C B | 0.20 | 0.0076 |
| 52663-66-8 | PCB-130 | 1.2 | | 0.049 | 0.010 |
| 61798-70-7 | PCB-131 | 0.18 | | 0.049 | 0.0096 |
| 38380-05-1 | PCB-132 | 5.4 | | 0.049 | 0.0094 |
| 35694-04-3 | PCB-133 | 1.1 | | 0.049 | 0.0091 |
| 52704-70-8 | PCB-134 | 1.0 | C | 0.098 | 0.0097 |
| 52744-13-5 | PCB-135 | 10 | C B | 0.098 | 0.0020 |
| 38411-22-2 | PCB-136 | 3.4 | B | 0.049 | 0.0015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *0.45* | | *0.049* | *0.0078* |
| *35065-28-2* | *PCB-138* | *16* | *C129 B* | *0.20* | *0.0076* |
| *56030-56-9* | *PCB-139* | *0.62* | *C* | *0.098* | *0.0083* |
| *59291-64-4* | *PCB-140* | *0.62* | *C139* | *0.098* | *0.0083* |
| *52712-04-6* | *PCB-141* | *2.6* | | *0.049* | *0.0086* |
| *41411-61-4* | *PCB-142* | *ND* | | *0.049* | *0.0096* |
| *68194-15-0* | *PCB-143* | *1.0* | *C134* | *0.098* | *0.0097* |
| *68194-14-9* | *PCB-144* | *0.71* | | *0.049* | *0.0019* |
| *74472-40-5* | *PCB-145* | *0.0087* | *J* | *0.049* | *0.0015* |
| *51908-16-8* | *PCB-146* | *8.0* | *B* | *0.049* | *0.0082* |
| *68194-13-8* | *PCB-147* | *20* | *C B* | *0.098* | *0.0085* |
| *74472-41-6* | *PCB-148* | *0.47* | | *0.049* | *0.0019* |
| *38380-04-0* | *PCB-149* | *20* | *C147 B* | *0.098* | *0.0085* |
| *68194-08-1* | *PCB-150* | *0.34* | | *0.049* | *0.0014* |
| *52663-63-5* | *PCB-151* | *10* | *C135 B* | *0.098* | *0.0020* |
| *68194-09-2* | *PCB-152* | *0.0088* | *J* | *0.049* | *0.0014* |
| *35065-27-1* | *PCB-153* | *19* | *C B* | *0.098* | *0.0068* |
| *60145-22-4* | *PCB-154* | *2.1* | | *0.049* | *0.0017* |
| *33979-03-2* | *PCB-155* | *0.019* | *J* | *0.049* | *0.0013* |
| *38380-08-4* | *PCB-156* | *1.5* | *C* | *0.098* | *0.0077* |
| *69782-90-7* | *PCB-157* | *1.5* | *C156* | *0.098* | *0.0077* |
| *74472-42-7* | *PCB-158* | *1.2* | | *0.049* | *0.0060* |
| *39635-35-3* | *PCB-159* | *0.23* | | *0.049* | *0.0063* |
| *41411-62-5* | *PCB-160* | *16* | *C129 B* | *0.20* | *0.0076* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.049* | *0.0062* |
| *39635-34-2* | *PCB-162* | *0.048* | *J* | *0.049* | *0.0061* |
| *74472-44-9* | *PCB-163* | *16* | *C129 B* | *0.20* | *0.0076* |
| *74472-45-0* | *PCB-164* | *1.3* | | *0.049* | *0.0066* |
| *74472-46-1* | *PCB-165* | *0.084* | | *0.049* | *0.0074* |
| *41411-63-6* | *PCB-166* | *1.7* | *C128 B* | *0.098* | *0.0074* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 0.47 | | 0.049 | 0.0051 |
| 59291-65-5 | PCB-168 | 19 | C153 B | 0.098 | 0.0068 |
| 32774-16-6 | PCB-169 | 0.037 | J | 0.049 | 0.0059 |
| 35065-30-6 | PCB-170 | 5.5 | B | 0.049 | 0.0016 |
| 52663-71-5 | PCB-171 | 1.9 | C | 0.098 | 0.0016 |
| 52663-74-8 | PCB-172 | 0.99 | | 0.049 | 0.0015 |
| 68194-16-1 | PCB-173 | 1.9 | C171 | 0.098 | 0.0016 |
| 38411-25-5 | PCB-174 | 6.1 | B | 0.049 | 0.0016 |
| 40186-70-7 | PCB-175 | 0.25 | | 0.049 | 0.0014 |
| 52663-65-7 | PCB-176 | 0.78 | | 0.049 | 0.00098 |
| 52663-70-4 | PCB-177 | 4.6 | B | 0.049 | 0.0016 |
| 52663-67-9 | PCB-178 | 2.0 | | 0.049 | 0.0015 |
| 52663-64-6 | PCB-179 | 3.4 | | 0.049 | 0.0011 |
| 35065-29-3 | PCB-180 | 13 | C B | 0.098 | 0.0012 |
| 74472-47-2 | PCB-181 | 0.055 | | 0.049 | 0.0014 |
| 60145-23-5 | PCB-182 | 0.12 | | 0.049 | 0.0013 |
| 52663-69-1 | PCB-183 | 4.0 | C B | 0.098 | 0.0013 |
| 74472-48-3 | PCB-184 | ND | | 0.049 | 0.0011 |
| 52712-05-7 | PCB-185 | 4.0 | C183 B | 0.098 | 0.0013 |
| 74472-49-4 | PCB-186 | ND | | 0.049 | 0.0010 |
| 52663-68-0 | PCB-187 | 10 | B | 0.049 | 0.0013 |
| 74487-85-7 | PCB-188 | 0.069 | | 0.049 | 0.00096 |
| 39635-31-9 | PCB-189 | 0.21 | | 0.049 | 0.0024 |
| 41411-64-7 | PCB-190 | 1.2 | B | 0.049 | 0.0011 |
| 74472-50-7 | PCB-191 | 0.24 | | 0.049 | 0.0011 |
| 74472-51-8 | PCB-192 | ND | | 0.049 | 0.0012 |
| 69782-91-8 | PCB-193 | 13 | C180 B | 0.098 | 0.0012 |
| 35694-08-7 | PCB-194 | 3.1 | | 0.049 | 0.0048 |
| 52663-78-2 | PCB-195 | 1.4 | | 0.049 | 0.0057 |
| 42740-50-1 | PCB-196 | 1.6 | | 0.049 | 0.0025 |
| 33091-17-7 | PCB-197 | 0.11 | q | 0.049 | 0.0018 |
| 68194-17-2 | PCB-198 | 3.2 | C B | 0.098 | 0.0027 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *3.2* | *C198 B* | *0.098* | *0.0027* |
| *52663-73-7* | *PCB-200* | *0.40* | | *0.049* | *0.0019* |
| *40186-71-8* | *PCB-201* | *0.42* | | *0.049* | *0.0018* |
| *2136-99-4* | *PCB-202* | *0.68* | | *0.049* | *0.0021* |
| *52663-76-0* | *PCB-203* | *1.9* | | *0.049* | *0.0024* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.049* | *0.0020* |
| *74472-53-0* | *PCB-205* | *0.16* | | *0.049* | *0.0036* |
| *40186-72-9* | *PCB-206* | *2.1* | | *0.049* | *0.0099* |
| *52663-79-3* | *PCB-207* | *0.19* | | *0.049* | *0.0069* |
| *52663-77-1* | *PCB-208* | *0.58* | | *0.049* | *0.0070* |
| *2051-24-3* | *PCB-209* | *2.2* | | *0.049* | *0.0015* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *0.064* | | *0.049* | *0.0018* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *0.44* | *q B* | *0.098* | *0.0026* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *3.6* | *q* | *0.098* | *0.0043* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *29* | *q B* | *0.20* | *0.035* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *89* | *B* | *0.29* | *0.0063* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *99* | *q B* | *0.20* | *0.0060* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *54* | *B* | *0.098* | *0.0013* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *13* | *q B* | *0.098* | *0.0028* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *2.9* | | *0.049* | *0.0079* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *290* | *q B* | *0.29* | *0.0076* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-70to80-82719  Lab Sample ID: 580-88908-31

Matrix: Solid  Lab File ID: 580-88908-a-31-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 16:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 15.74(g)  Date Analyzed: 10/03/2019 19:49

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 34.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 50 | | 30-140 |
| 208263-77-8 | PCB-3L | 62 | | 30-140 |
| 234432-86-1 | PCB-4L | 64 | | 30-140 |
| 208263-67-6 | PCB-15L | 83 | | 30-140 |
| 234432-87-2 | PCB-19L | 57 | *q* | 30-140 |
| 208263-79-0 | PCB-37L | 90 | | 30-140 |
| 234432-88-3 | PCB-54L | 71 | | 30-140 |
| 105600-23-5 | PCB-77L | 95 | | 30-140 |
| 208461-24-9 | PCB-81L | 89 | | 30-140 |
| 234432-89-4 | PCB-104L | 86 | | 30-140 |
| 208263-62-1 | PCB-105L | 83 | | 30-140 |
| 208263-63-2 | PCB-114L | 80 | | 30-140 |
| 104130-40-7 | PCB-118L | 82 | | 30-140 |
| 208263-64-3 | PCB-123L | 82 | | 30-140 |
| 208263-65-4 | PCB-126L | 89 | | 30-140 |
| 234432-90-7 | PCB-155L | 99 | | 30-140 |
| 208263-68-7 | PCB-156L | 84 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 84 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 83 | | 30-140 |
| 208263-70-1 | PCB-169L | 94 | | 30-140 |
| 160901-80-4 | PCB-170L | 78 | | 30-140 |
| 234432-91-8 | PCB-188L | 80 | | 30-140 |
| 208263-73-4 | PCB-189L | 87 | | 30-140 |
| 105600-26-8 | PCB-202L | 93 | | 30-140 |
| 234446-64-1 | PCB-205L | 77 | | 30-140 |
| 208263-75-6 | PCB-206L | 72 | | 30-140 |
| 234432-92-9 | PCB-208L | 82 | | 30-140 |
| 105600-27-9 | PCB-209L | 78 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 78 | | 40-125 |
| 235416-29-2 | PCB-111L | 89 | | 40-125 |
| 232919-67-4 | PCB-178L | 87 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d
Lims ID: 580-88908-A-31-C
Client ID: J5-SC1b-70to80-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 19:49:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 01:31:03 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 00:33:41

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 1.311 | 1.311 | 0.0379 | 0.0379 | | |
| D PCB-1L | 12:01 | 462641 | 2.82 | 1.3140 | 10.0 | 10.0 | 0.4156 | 0.4156 | 49.96 | Ma |
| D PCB-3L | 14:05 | 591193 | 3.11 | 1.3615 | 12.3 | 12.3 | 0.4011 | 0.4011 | 61.61 | |
| PCB-1 | 12:01 | 20178 | 3.39 | 1.1883 | 0.7341 | 0.7341 | 0.0361 | 0.0361 | | Ma |
| PCB-2 | 13:55 | 5065 | 3.07 | 1.1911 | 0.1614 | 0.1614 | 0.0381 | 0.0381 | | |
| PCB-3 | 14:06 | 14882 | 2.91 | 1.2130 | 0.4151 | 0.4151 | 0.0396 | 0.0396 | | |
| S Total Dichlorobiphenyls | | | | | 9.077 | 8.988 | 0.0523 | 0.0523 | | RQ |
| D PCB-4L | 14:20 | 270058 | 1.45 | 0.5996 | 12.8 | 12.8 | 0.3643 | 0.3643 | 63.91 | |
| * PCB-9L | 16:14 | 704739 | 1.69 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:05 | 603247 | 1.68 | 1.0280 | 16.7 | 16.7 | 0.2125 | 0.2125 | 83.26 | Ma |
| PCB-4 | 14:20 | 23750 | 1.72 | 1.2533 | 1.403 | 1.403 | 0.1103 | 0.1103 | | |
| PCB-10 | 14:21 | | | | | | 0.0510 | 0.0510 | | |
| PCB-9 | 16:15 | 6850 | 1.56 | 1.4200 | 0.2606 | 0.2210 | 0.0532 | 0.0532 | | RQa |
| PCB-7 | 16:25 | 7381 | 1.52 | 1.6244 | 0.2081 | 0.2081 | 0.0465 | 0.0465 | | a |
| PCB-6 | 16:39 | 44393 | 1.76 | 1.5539 | 1.309 | 1.309 | 0.0486 | 0.0486 | | a |
| PCB-5 | 17:04 | | | | | | 0.0484 | 0.0484 | | U |
| PCB-8 | 17:04 | 122135 | 1.73 | 1.5884 | 3.522 | 3.522 | 0.0476 | 0.0476 | | Ma |
| PCB-14 | 18:35 | | | | | | 0.0403 | 0.0403 | | |
| PCB-11 | 19:29 | 11876 | 1.56 | 1.6347 | 0.3822 | 0.3328 | 0.0462 | 0.0462 | | RQMa |
| PCB-12 | 19:46 | 21308 | 1.56 | 1.6410 | 0.5947 | 0.5947 | 0.0460 | 0.0460 | | Ma |
| PCB-13 (C12) | 19:46 | 21308 | 1.56 | 1.6410 | 0.5947 | 0.5947 | 0.0460 | 0.0460 | | Ma |
| PCB-15 | 20:06 | 59112 | 1.66 | 1.4024 | 1.397 | 1.397 | 0.0371 | 0.0371 | | |
| S Total Trichlorobiphenyl | | | | | 72.9 | 72.8 | 0.0884 | 0.0884 | | RQ |
| D PCB-19L | 17:21 | 177820 | 1.04 | 0.6095 | 12.6 | 11.4 | 0.6278 | 0.6278 | 63.04 | RQ |
| * PCB-32L | 20:33 | 511092 | 1.11 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:47 | 1161574 | 1.09 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:05 | 994983 | 1.11 | 1.0975 | 15.6 | 15.6 | 0.1219 | 0.1219 | 78.05 | |
| D PCB-37L | 27:04 | 945270 | 1.09 | 0.9024 | 18.0 | 18.0 | 0.1482 | 0.1482 | 90.18 | |
| PCB-19 | 17:22 | 9999 | 1.17 | 1.3047 | 0.7805 | 0.7805 | 0.0581 | 0.0581 | | |
| PCB-18 | 19:12 | 156511 | 1.06 | 1.8188 | 8.764 | 8.764 | 0.0417 | 0.0417 | | |
| PCB-30 (C18) | 19:12 | 156511 | 1.06 | 1.8188 | 8.764 | 8.764 | 0.0417 | 0.0417 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 83885 | 1.06 | 1.5641 | 5.462 | 5.462 | 0.0485 | 0.0485 | | a |
| PCB-27 | 19:49 | 14942 | 1.14 | 2.1680 | 0.7019 | 0.7019 | 0.0350 | 0.0350 | | a |
| PCB-24 | 19:57 | 1574 | 1.04 | 2.1018 | 0.0849 | 0.0763 | 0.0361 | 0.0361 | | RQMa |
| PCB-16 | 20:03 | 42989 | 1.12 | 1.2260 | 3.571 | 3.571 | 0.0618 | 0.0618 | | Ma |
| PCB-32 | 20:34 | 76649 | 1.04 | 2.3416 | 3.334 | 3.334 | 0.0324 | 0.0324 | | a |
| PCB-34 | 21:49 | 16417 | 1.04 | 1.2154 | 0.3210 | 0.2858 | 0.1204 | 0.1204 | | RQa |
| PCB-23 | 21:56 | | | | | | 0.1154 | 0.1154 | | |
| PCB-26 | 22:16 | 288377 | 1.03 | 1.3193 | 4.625 | 4.625 | 0.1109 | 0.1109 | | a |
| PCB-29 (C26) | 22:16 | 288377 | 1.03 | 1.3193 | 4.625 | 4.625 | 0.1109 | 0.1109 | | a |
| PCB-25 | 22:30 | 197671 | 1.05 | 1.3523 | 3.093 | 3.093 | 0.1082 | 0.1082 | | |
| PCB-31 | 22:49 | 780662 | 1.09 | 1.3809 | 12.0 | 12.0 | 0.1060 | 0.1060 | | |
| PCB-20 | 23:07 | 996447 | 1.08 | 1.3057 | 16.1 | 16.1 | 0.1121 | 0.1121 | | |
| PCB-28 (C20) | 23:07 | 996447 | 1.08 | 1.3057 | 16.1 | 16.1 | 0.1121 | 0.1121 | | |
| PCB-21 | 23:20 | 434381 | 1.05 | 1.3777 | 6.671 | 6.671 | 0.1062 | 0.1062 | | |
| PCB-33 (C21) | 23:20 | 434381 | 1.05 | 1.3777 | 6.671 | 6.671 | 0.1062 | 0.1062 | | |
| PCB-22 | 23:44 | 164070 | 1.05 | 1.2430 | 2.793 | 2.793 | 0.1177 | 0.1177 | | |
| PCB-36 | 25:17 | 16605 | 1.03 | 1.3468 | 0.2609 | 0.2609 | 0.1086 | 0.1086 | | |
| PCB-39 | 25:38 | 41054 | 1.05 | 1.3970 | 0.6218 | 0.6218 | 0.1047 | 0.1047 | | |
| PCB-38 | 26:11 | | | | | | 0.1111 | 0.1111 | | |
| PCB-35 | 26:40 | 39333 | 1.00 | 1.2166 | 0.6840 | 0.6840 | 0.1203 | 0.1203 | | |
| PCB-37 | 27:05 | 183179 | 1.08 | 1.2879 | 3.009 | 3.009 | 0.1136 | 0.1136 | | |
| S Total Tetrachlorobiphen | | | | | 596.1 | 596.1 | 0.7274 | 0.7274 | | RQ |
| D PCB-54L | 20:23 | 237425 | 0.77 | 0.6515 | 14.3 | 14.3 | 0.1089 | 0.1089 | 71.31 | |
| * PCB-52L | 24:54 | 621894 | 0.80 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:49 | 683790 | 0.77 | 1.2328 | 17.8 | 17.8 | 0.0505 | 0.0505 | 89.19 | |
| D PCB-77L | 34:21 | 741783 | 0.79 | 1.2523 | 19.0 | 19.0 | 0.0497 | 0.0497 | 95.25 | |
| PCB-54 | 20:24 | 1894 | 0.77 | 1.2558 | 0.1564 | 0.1270 | 0.0177 | 0.0177 | | RQ |
| PCB-50 | 22:32 | 162979 | 0.74 | 0.9362 | 4.885 | 4.885 | 0.9373 | 0.9373 | | |
| PCB-53 (C50) | 22:32 | 162979 | 0.74 | 0.9362 | 4.885 | 4.885 | 0.9373 | 0.9373 | | |
| PCB-45 | 23:16 | 139728 | 0.77 | 0.8850 | 4.430 | 4.430 | 0.991 | 0.991 | | Ma |
| PCB-51 (C45) | 23:16 | 139728 | 0.77 | 0.8850 | 4.430 | 4.430 | 0.991 | 0.991 | | Ma |
| PCB-46 | 23:30 | 40914 | 0.85 | 0.7591 | 1.512 | 1.512 | 1.156 | 1.156 | | Ma |
| PCB-52 | 24:56 | 5068439 | 0.80 | 0.8992 | 158.1 | 158.1 | 0.9758 | 0.9758 | | Ma |
| PCB-43 | 25:03 | 58499 | 0.85 | 0.9993 | 1.642 | 1.642 | 0.8781 | 0.8781 | | Ma |
| PCB-73 (C43) | 25:03 | 58499 | 0.85 | 0.9993 | 1.642 | 1.642 | 0.8781 | 0.8781 | | Ma |
| PCB-49 | 25:25 | 3286747 | 0.80 | 1.1366 | 81.1 | 81.1 | 0.7720 | 0.7720 | | |
| PCB-69 (C49) | 25:25 | 3286747 | 0.80 | 1.1366 | 81.1 | 81.1 | 0.7720 | 0.7720 | | |
| PCB-48 | 25:42 | 108855 | 0.77 | 0.9454 | 3.231 | 3.231 | 0.9282 | 0.9282 | | |
| PCB-44 | 25:55 | 3041733 | 0.79 | 1.0323 | 82.7 | 82.7 | 0.8500 | 0.8500 | | |
| PCB-47 (C44) | 25:55 | 3041733 | 0.79 | 1.0323 | 82.7 | 82.7 | 0.8500 | 0.8500 | | |
| PCB-65 (C44) | 25:55 | 3041733 | 0.79 | 1.0323 | 82.7 | 82.7 | 0.8500 | 0.8500 | | |
| PCB-59 | 26:17 | 120822 | 0.81 | 1.3609 | 2.491 | 2.491 | 0.6448 | 0.6448 | | |
| PCB-62 (C59) | 26:17 | 120822 | 0.81 | 1.3609 | 2.491 | 2.491 | 0.6448 | 0.6448 | | |
| PCB-75 (C59) | 26:17 | 120822 | 0.81 | 1.3609 | 2.491 | 2.491 | 0.6448 | 0.6448 | | |
| PCB-42 | 26:27 | 376384 | 0.79 | 0.8670 | 12.2 | 12.2 | 1.012 | 1.012 | | a |
| PCB-40 | 26:56 | 633268 | 0.78 | 0.9179 | 19.4 | 19.4 | 0.9560 | 0.9560 | | Ma |
| PCB-41 (C40) | 26:56 | 633268 | 0.78 | 0.9179 | 19.4 | 19.4 | 0.9560 | 0.9560 | | Ma |
| PCB-71 (C40) | 26:56 | 633268 | 0.78 | 0.9179 | 19.4 | 19.4 | 0.9560 | 0.9560 | | Ma |
| PCB-64 | 27:08 | 732410 | 0.79 | 1.4164 | 14.5 | 14.5 | 0.6195 | 0.6195 | | a |
| PCB-72 | 27:59 | 370539 | 0.79 | 1.3157 | 7.902 | 7.902 | 0.6669 | 0.6669 | | |
| PCB-68 | 28:16 | 414191 | 0.76 | 1.4782 | 7.862 | 7.862 | 0.5936 | 0.5936 | | |
| PCB-57 | 28:40 | | | | | | 0.6846 | 0.6846 | | |
| PCB-58 | 28:55 | 29470 | 0.78 | 1.3214 | 0.6258 | 0.6258 | 0.6641 | 0.6641 | | Ma |
| PCB-67 | 29:05 | 40103 | 0.77 | 1.3944 | 0.8070 | 0.8070 | 0.6293 | 0.6293 | | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:21 | 77186 | 0.80 | 1.4685 | 1.475 | 1.475 | 0.5976 | 0.5976 | | |
| PCB-61 | 29:40 | 5418618 | 0.80 | 1.3565 | 112.1 | 112.1 | 0.6469 | 0.6469 | | Ma |
| PCB-70 (C61) | 29:40 | 5418618 | 0.80 | 1.3565 | 112.1 | 112.1 | 0.6469 | 0.6469 | | Ma |
| PCB-74 (C61) | 29:40 | 5418618 | 0.80 | 1.3565 | 112.1 | 112.1 | 0.6469 | 0.6469 | | Ma |
| PCB-76 (C61) | 29:40 | 5418618 | 0.80 | 1.3565 | 112.1 | 112.1 | 0.6469 | 0.6469 | | Ma |
| PCB-66 | 30:01 | 2494675 | 0.79 | 1.2800 | 54.7 | 54.7 | 0.6856 | 0.6856 | | Ma |
| PCB-55 | 30:08 | 9944 | 1.63 | 1.2951 | 0.2154 | 0.2154 | 0.6775 | 0.6775 | | RnMa |
| PCB-56 | 30:41 | 624618 | 0.79 | 1.2671 | 13.8 | 13.8 | 0.6925 | 0.6925 | | |
| PCB-60 | 30:54 | 112588 | 0.75 | 1.3288 | 2.377 | 2.377 | 0.6604 | 0.6604 | | |
| PCB-80 | 31:17 | | | | | | 0.5972 | 0.5972 | | |
| PCB-79 | 32:50 | 339796 | 0.83 | 1.5421 | 6.183 | 6.183 | 0.5690 | 0.5690 | | |
| PCB-78 | 33:23 | | | | | | 0.6673 | 0.6673 | | |
| PCB-81 | 33:49 | | | | | | 0.6714 | 0.6714 | | |
| PCB-77 | 34:23 | 83549 | 0.76 | 1.3308 | 1.693 | 1.693 | 0.6523 | 0.6523 | | |
| S Total Pentachlorobiphen | | | | | 1852.5 | 1852.5 | 0.1297 | 0.1297 | | |
| D PCB-104L | 25:51 | 492961 | 1.58 | 1.1164 | 17.3 | 17.3 | 0.0428 | 0.0428 | 86.34 | |
| * PCB-101L | 31:44 | 511434 | 1.65 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:25 | 554531 | 1.57 | 1.2177 | 17.8 | 17.8 | 0.0393 | 0.0393 | 89.04 | |
| D PCB-123L | 36:22 | 705875 | 1.60 | 0.9909 | 16.5 | 16.5 | 0.3456 | 0.3456 | 82.41 | |
| D PCB-118L | 36:42 | 726084 | 1.68 | 1.0256 | 16.4 | 16.4 | 0.3339 | 0.3339 | 81.91 | |
| D PCB-114L | 37:13 | 693171 | 1.57 | 1.0030 | 16.0 | 16.0 | 0.3414 | 0.3414 | 79.96 | |
| D PCB-105L | 37:52 | 716262 | 1.55 | 1.0013 | 16.6 | 16.6 | 0.3420 | 0.3420 | 82.76 | |
| * PCB-127L | 39:21 | 864344 | 1.57 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:57 | 690899 | 1.57 | 0.9020 | 17.7 | 17.7 | 0.3797 | 0.3797 | 88.62 | |
| PCB-104 | 25:51 | | | | | | 0.0262 | 0.0262 | | |
| PCB-96 | 26:14 | 41961 | 1.43 | 1.2268 | 1.388 | 1.388 | 0.0298 | 0.0298 | | Ma |
| PCB-103 | 28:10 | 403410 | 1.58 | 1.0331 | 15.8 | 15.8 | 0.0353 | 0.0353 | | |
| PCB-94 | 28:23 | 24884 | 1.56 | 0.9036 | 1.117 | 1.117 | 0.0404 | 0.0404 | | Ma |
| PCB-95 | 28:49 | 5942633 | 1.60 | 0.9620 | 250.6 | 250.6 | 0.0379 | 0.0379 | | |
| PCB-93 | 29:02 | 311514 | 1.67 | 0.9806 | 12.9 | 12.9 | 0.0372 | 0.0372 | | |
| PCB-100 (C93) | 29:02 | 311514 | 1.67 | 0.9806 | 12.9 | 12.9 | 0.0372 | 0.0372 | | |
| PCB-98 | 29:11 | 205218 | 1.58 | 0.9888 | 8.420 | 8.420 | 0.0369 | 0.0369 | | |
| PCB-102 (C98) | 29:11 | 205218 | 1.58 | 0.9888 | 8.420 | 8.420 | 0.0369 | 0.0369 | | |
| PCB-88 | 29:41 | 1445607 | 1.61 | 1.0052 | 58.3 | 58.3 | 0.0363 | 0.0363 | | |
| PCB-91 (C88) | 29:41 | 1445607 | 1.61 | 1.0052 | 58.3 | 58.3 | 0.0363 | 0.0363 | | |
| PCB-84 | 29:54 | 1232582 | 1.59 | 0.8601 | 58.1 | 58.1 | 0.0424 | 0.0424 | | |
| PCB-89 | 30:22 | | | | | | 0.0409 | 0.0409 | | |
| PCB-121 | 30:48 | 51756 | 1.54 | 1.3971 | 1.503 | 1.503 | 0.0261 | 0.0261 | | |
| PCB-92 | 31:10 | 2336031 | 1.60 | 0.9532 | 99.4 | 99.4 | 0.0383 | 0.0383 | | |
| PCB-90 | 31:46 | 9870864 | 1.57 | 1.1367 | 352.3 | 352.3 | 0.0321 | 0.0321 | | |
| PCB-101 (C90) | 31:46 | 9870864 | 1.57 | 1.1367 | 352.3 | 352.3 | 0.0321 | 0.0321 | | |
| PCB-113 (C90) | 31:46 | 9870864 | 1.57 | 1.1367 | 352.3 | 352.3 | 0.0321 | 0.0321 | | |
| PCB-83 | 32:20 | 5851634 | 1.60 | 0.9393 | 252.7 | 252.7 | 0.0389 | 0.0389 | | |
| PCB-99 (C83) | 32:20 | 5851634 | 1.60 | 0.9393 | 252.7 | 252.7 | 0.0389 | 0.0389 | | |
| PCB-112 | 32:26 | | | | | | 0.0267 | 0.0267 | | |
| PCB-86 | 32:50 | 4191343 | 1.58 | 1.1958 | 142.2 | 142.2 | 0.0305 | 0.0305 | | Ma |
| PCB-87 (C86) | 32:50 | 4191343 | 1.58 | 1.1958 | 142.2 | 142.2 | 0.0305 | 0.0305 | | Ma |
| PCB-97 (C86) | 32:50 | 4191343 | 1.58 | 1.1958 | 142.2 | 142.2 | 0.0305 | 0.0305 | | Ma |
| PCB-109 (C86) | 32:50 | 4191343 | 1.58 | 1.1958 | 142.2 | 142.2 | 0.0305 | 0.0305 | | Ma |
| PCB-119 (C86) | 32:50 | 4191343 | 1.58 | 1.1958 | 142.2 | 142.2 | 0.0305 | 0.0305 | | Ma |
| PCB-125 (C86) | 32:50 | 4191343 | 1.58 | 1.1958 | 142.2 | 142.2 | 0.0305 | 0.0305 | | Ma |
| PCB-85 | 33:33 | 835445 | 1.58 | 1.2126 | 28.0 | 28.0 | 0.0301 | 0.0301 | | |
| PCB-116 (C85) | 33:33 | 835445 | 1.58 | 1.2126 | 28.0 | 28.0 | 0.0301 | 0.0301 | | |
| PCB-117 (C85) | 33:33 | 835445 | 1.58 | 1.2126 | 28.0 | 28.0 | 0.0301 | 0.0301 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:43 | 9146253 | 1.59 | 1.3511 | 274.6 | 274.6 | 0.0270 | 0.0270 | | a |
| PCB-115 (C110) | 33:43 | 9146253 | 1.59 | 1.3511 | 274.6 | 274.6 | 0.0270 | 0.0270 | | a |
| PCB-82 | 34:02 | 430431 | 1.58 | 0.8675 | 20.1 | 20.1 | 0.0421 | 0.0421 | | |
| PCB-111 | 34:27 | 90208 | 1.66 | 1.4262 | 2.566 | 2.566 | 0.0256 | 0.0256 | | |
| PCB-120 | 34:54 | 277007 | 1.53 | 1.4907 | 7.539 | 7.539 | 0.0245 | 0.0245 | | |
| PCB-108 | 36:03 | 275109 | 1.58 | 1.2547 | 6.208 | 6.208 | 0.3427 | 0.3427 | | |
| PCB-124 (C108) | 36:03 | 275109 | 1.58 | 1.2547 | 6.208 | 6.208 | 0.3427 | 0.3427 | | |
| PCB-107 | 36:17 | 1079350 | 1.62 | 1.3580 | 22.5 | 22.5 | 0.3166 | 0.3166 | | Ma |
| PCB-123 | 36:24 | 97850 | 1.32 | 1.3407 | 2.068 | 2.068 | 0.3158 | 0.3158 | | Ma |
| PCB-106 | 36:30 | | | | | | 0.3373 | 0.3373 | | |
| PCB-118 | 36:43 | 8208014 | 1.58 | 1.2892 | 175.4 | 175.4 | 0.3240 | 0.3240 | | |
| PCB-122 | 37:04 | 87682 | 1.54 | 1.1614 | 2.137 | 2.137 | 0.3702 | 0.3702 | | |
| PCB-114 | 37:15 | 134720 | 1.50 | 1.4051 | 2.766 | 2.766 | 0.3174 | 0.3174 | | Ma |
| PCB-105 | 37:54 | 2466863 | 1.60 | 1.2887 | 53.4 | 53.4 | 0.3271 | 0.3271 | | |
| PCB-127 | 39:22 | | | | | | 0.3348 | 0.3348 | | |
| PCB-126 | 41:00 | 11972 | 1.50 | 1.3416 | 0.2583 | 0.2583 | 0.3301 | 0.3301 | | nMa |
| S Total Hexachlorobipheny | | | | | 2043.8 | 2043.8 | 0.1231 | 0.1231 | | RQ |
| D PCB-155L | 31:30 | 480657 | 1.30 | 0.9499 | 19.8 | 19.8 | 0.0686 | 0.0686 | 98.94 | |
| * PCB-138L | 39:49 | 611747 | 1.29 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:50 | 639782 | 1.23 | 1.2544 | 16.7 | 16.7 | 0.1113 | 0.1113 | 83.37 | |
| D PCB-156L | 43:59 | 1268330 | 1.32 | 1.2289 | 33.7 | 33.7 | 0.1136 | 0.1136 | 84.35 | |
| D PCB-157L (C156L) | 43:59 | 1268330 | 1.32 | 1.2289 | 33.7 | 33.7 | 0.1136 | 0.1136 | 84.35 | |
| D PCB-169L | 47:12 | 626136 | 1.22 | 1.0883 | 18.8 | 18.8 | 0.1283 | 0.1283 | 94.04 | |
| PCB-155 | 31:32 | 12453 | 1.30 | 1.3028 | 0.3977 | 0.3977 | 0.0273 | 0.0273 | | |
| PCB-152 | 31:43 | 5433 | 1.17 | 1.2556 | 0.1800 | 0.1800 | 0.0283 | 0.0283 | | Ma |
| PCB-150 | 31:53 | 209699 | 1.24 | 1.2368 | 7.055 | 7.055 | 0.0287 | 0.0287 | | |
| PCB-136 | 32:15 | 1944452 | 1.25 | 1.1563 | 70.0 | 70.0 | 0.0307 | 0.0307 | | |
| PCB-145 | 32:32 | 5115 | 1.24 | 1.1910 | 0.2110 | 0.1787 | 0.0298 | 0.0298 | | RQMa |
| PCB-148 | 34:04 | 207707 | 1.25 | 0.8982 | 9.622 | 9.622 | 0.0396 | 0.0396 | | |
| PCB-135 | 34:39 | 4286207 | 1.27 | 0.8691 | 205.2 | 205.2 | 0.0409 | 0.0409 | | |
| PCB-151 (C135) | 34:39 | 4286207 | 1.27 | 0.8691 | 205.2 | 205.2 | 0.0409 | 0.0409 | | |
| PCB-154 | 34:55 | 1065982 | 1.28 | 1.0180 | 43.6 | 43.6 | 0.0349 | 0.0349 | | |
| PCB-144 | 35:13 | 320901 | 1.28 | 0.9185 | 14.5 | 14.5 | 0.0387 | 0.0387 | | |
| PCB-147 | 35:35 | 12520365 | 1.25 | 0.9747 | 405.5 | 405.5 | 0.1737 | 0.1737 | | |
| PCB-149 (C147) | 35:35 | 12520365 | 1.25 | 0.9747 | 405.5 | 405.5 | 0.1737 | 0.1737 | | |
| PCB-134 | 35:46 | 558545 | 1.25 | 0.8518 | 20.7 | 20.7 | 0.1988 | 0.1988 | | a |
| PCB-143 (C134) | 35:46 | 558545 | 1.25 | 0.8518 | 20.7 | 20.7 | 0.1988 | 0.1988 | | a |
| PCB-139 | 36:11 | 405734 | 1.24 | 0.9995 | 12.8 | 12.8 | 0.1694 | 0.1694 | | |
| PCB-140 (C139) | 36:11 | 405734 | 1.24 | 0.9995 | 12.8 | 12.8 | 0.1694 | 0.1694 | | |
| PCB-131 | 36:23 | 101912 | 1.29 | 0.8584 | 3.748 | 3.748 | 0.1972 | 0.1972 | | |
| PCB-142 | 36:31 | | | | | | 0.1969 | 0.1969 | | |
| PCB-132 | 36:50 | 3071893 | 1.25 | 0.8801 | 110.2 | 110.2 | 0.1924 | 0.1924 | | |
| PCB-133 | 37:21 | 656501 | 1.24 | 0.9064 | 22.9 | 22.9 | 0.1868 | 0.1868 | | |
| PCB-165 | 37:44 | 61112 | 1.23 | 1.1210 | 1.721 | 1.721 | 0.1510 | 0.1510 | | Ma |
| PCB-146 | 37:59 | 5269888 | 1.27 | 1.0084 | 165.0 | 165.0 | 0.1679 | 0.1679 | | |
| PCB-161 | 38:07 | | | | | | 0.1266 | 0.1266 | | |
| PCB-153 | 38:36 | 15398360 | 1.25 | 1.2207 | 398.2 | 398.2 | 0.1387 | 0.1387 | | |
| PCB-168 (C153) | 38:36 | 15398360 | 1.25 | 1.2207 | 398.2 | 398.2 | 0.1387 | 0.1387 | | |
| PCB-141 | 38:48 | 1645123 | 1.26 | 0.9608 | 54.1 | 54.1 | 0.1762 | 0.1762 | | |
| PCB-130 | 39:12 | 622993 | 1.22 | 0.8274 | 23.8 | 23.8 | 0.2046 | 0.2046 | | |
| PCB-137 | 39:26 | 310891 | 1.27 | 1.0582 | 9.274 | 9.274 | 0.1600 | 0.1600 | | |
| PCB-164 | 39:33 | 1049684 | 1.26 | 1.2527 | 26.5 | 26.5 | 0.1352 | 0.1352 | | |
| PCB-129 | 39:51 | 11400054 | 1.26 | 1.0840 | 332.0 | 332.0 | 0.1562 | 0.1562 | | |
| PCB-138 (C129) | 39:51 | 11400054 | 1.26 | 1.0840 | 332.0 | 332.0 | 0.1562 | 0.1562 | | |
| PCB-160 (C129) | 39:51 | 11400054 | 1.26 | 1.0840 | 332.0 | 332.0 | 0.1562 | 0.1562 | | |
| PCB-163 (C129) | 39:51 | 11400054 | 1.26 | 1.0840 | 332.0 | 332.0 | 0.1562 | 0.1562 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:14 | 1124317 | 1.29 | 1.3862 | 25.6 | 25.6 | 0.1221 | 0.1221 | | |
| PCB-128 | 41:06 | 1224384 | 1.27 | 1.1165 | 34.6 | 34.6 | 0.1516 | 0.1516 | | |
| PCB-166 (C128) | 41:06 | 1224384 | 1.27 | 1.1165 | 34.6 | 34.6 | 0.1516 | 0.1516 | | |
| PCB-159 | 42:03 | 197621 | 1.26 | 1.3178 | 4.734 | 4.734 | 0.1285 | 0.1285 | | |
| PCB-162 | 42:23 | 42071 | 1.20 | 1.3623 | 0.9749 | 0.9749 | 0.1243 | 0.1243 | | Ma |
| PCB-167 | 42:51 | 413168 | 1.27 | 1.3357 | 9.670 | 9.670 | 0.1041 | 0.1041 | | |
| PCB-156 | 43:59 | 1232413 | 1.24 | 1.2759 | 30.5 | 30.5 | 0.1577 | 0.1577 | | |
| PCB-157 (C156) | 43:59 | 1232413 | 1.24 | 1.2759 | 30.5 | 30.5 | 0.1577 | 0.1577 | | |
| PCB-169 | 47:11 | 30414 | 1.32 | 1.2825 | 0.7575 | 0.7575 | 0.1201 | 0.1201 | | Ma |
| S Total Heptachlorobiphen | | | | | 1108.9 | 1108.9 | 0.0273 | 0.0273 | | |
| D PCB-188L | 37:14 | 563827 | 1.03 | 1.3162 | 16.0 | 16.0 | 0.0464 | 0.0464 | 79.80 | |
| $ PCB-178L | 40:17 | 428745 | 1.07 | 0.9222 | 17.3 | 17.3 | 0.0662 | 0.0662 | 86.60 | |
| * PCB-180L | 45:23 | 536852 | 1.08 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:38 | 351409 | 1.12 | 0.8357 | 15.7 | 15.7 | 0.0730 | 0.0730 | 78.32 | |
| D PCB-189L | 49:45 | 775597 | 1.01 | 1.4666 | 17.5 | 17.5 | 0.3647 | 0.3647 | 87.29 | |
| PCB-188 | 37:15 | 49720 | 1.14 | 1.2502 | 1.411 | 1.411 | 0.0198 | 0.0198 | | |
| PCB-179 | 37:35 | 2286722 | 1.05 | 1.4149 | 70.6 | 70.6 | 0.0217 | 0.0217 | | |
| PCB-184 | 38:07 | | | | | | 0.0216 | 0.0216 | | |
| PCB-176 | 38:28 | 559028 | 1.04 | 1.5212 | 16.1 | 16.1 | 0.0202 | 0.0202 | | |
| PCB-186 | 38:55 | | | | | | 0.0214 | 0.0214 | | |
| PCB-178 | 40:19 | 960657 | 1.06 | 1.0228 | 41.0 | 41.0 | 0.0300 | 0.0300 | | |
| PCB-175 | 40:57 | 127358 | 1.07 | 1.0690 | 5.207 | 5.207 | 0.0287 | 0.0287 | | |
| PCB-187 | 41:13 | 5221193 | 1.05 | 1.1106 | 205.5 | 205.5 | 0.0276 | 0.0276 | | |
| PCB-182 | 41:25 | 64766 | 1.01 | 1.1484 | 2.465 | 2.465 | 0.0267 | 0.0267 | | |
| PCB-183 | 41:49 | 2120770 | 1.05 | 1.1368 | 81.5 | 81.5 | 0.0270 | 0.0270 | | |
| PCB-185 (C183) | 41:49 | 2120770 | 1.05 | 1.1368 | 81.5 | 81.5 | 0.0270 | 0.0270 | | |
| PCB-174 | 42:03 | 2720723 | 1.06 | 0.9547 | 124.6 | 124.6 | 0.0321 | 0.0321 | | |
| PCB-177 | 42:29 | 2039704 | 1.06 | 0.9426 | 94.6 | 94.6 | 0.0325 | 0.0325 | | |
| PCB-181 | 42:53 | 28834 | 1.12 | 1.1075 | 1.138 | 1.138 | 0.0277 | 0.0277 | | Ma |
| PCB-171 | 43:08 | 846015 | 1.04 | 0.9603 | 38.5 | 38.5 | 0.0319 | 0.0319 | | Ma |
| PCB-173 (C171) | 43:08 | 846015 | 1.04 | 0.9603 | 38.5 | 38.5 | 0.0319 | 0.0319 | | Ma |
| PCB-172 | 44:45 | 458879 | 1.04 | 0.9918 | 20.2 | 20.2 | 0.0309 | 0.0309 | | |
| PCB-192 | 45:01 | | | | | | 0.0238 | 0.0238 | | |
| PCB-180 | 45:24 | 7311687 | 1.05 | 1.2286 | 260.1 | 260.1 | 0.0250 | 0.0250 | | |
| PCB-193 (C180) | 45:24 | 7311687 | 1.05 | 1.2286 | 260.1 | 260.1 | 0.0250 | 0.0250 | | |
| PCB-191 | 45:45 | 158914 | 1.03 | 1.3848 | 5.015 | 5.015 | 0.0221 | 0.0221 | | |
| PCB-170 | 46:39 | 2521168 | 1.04 | 1.2700 | 113.0 | 113.0 | 0.0318 | 0.0318 | | |
| PCB-190 | 47:11 | 744308 | 1.07 | 1.3774 | 23.6 | 23.6 | 0.0223 | 0.0223 | | |
| PCB-189 | 49:46 | 215998 | 1.06 | 1.2799 | 4.352 | 4.352 | 0.0493 | 0.0493 | | |
| S Total Octachlorobipheny | | | | | 266.1 | 265.8 | 0.0584 | 0.0584 | | RQ |
| D PCB-202L | 42:36 | 499378 | 0.93 | 1.0055 | 18.5 | 18.5 | 0.1253 | 0.1253 | 92.51 | |
| * PCB-194L | 51:52 | 605856 | 0.94 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:20 | 596433 | 0.90 | 1.2867 | 15.3 | 15.3 | 0.2014 | 0.2014 | 76.51 | |
| PCB-202 | 42:38 | 366346 | 0.92 | 1.0531 | 13.9 | 13.9 | 0.0425 | 0.0425 | | |
| PCB-201 | 43:33 | 254835 | 0.93 | 1.1860 | 8.605 | 8.605 | 0.0378 | 0.0378 | | |
| PCB-204 | 44:13 | | | | | | 0.0407 | 0.0407 | | |
| PCB-197 | 44:28 | 69661 | 0.89 | 1.2053 | 2.628 | 2.315 | 0.0372 | 0.0372 | | RQ |
| PCB-200 | 44:33 | 230141 | 0.89 | 1.1260 | 8.185 | 8.185 | 0.0398 | 0.0398 | | |
| PCB-198 | 47:22 | 1353354 | 0.91 | 0.8183 | 66.2 | 66.2 | 0.0547 | 0.0547 | | |
| PCB-199 (C198) | 47:22 | 1353354 | 0.91 | 0.8183 | 66.2 | 66.2 | 0.0547 | 0.0547 | | |
| PCB-196 | 48:01 | 698124 | 0.91 | 0.8748 | 32.0 | 32.0 | 0.0512 | 0.0512 | | |
| PCB-203 | 48:13 | 901636 | 0.92 | 0.9219 | 39.2 | 39.2 | 0.0486 | 0.0486 | | |
| PCB-195 | 49:32 | 666082 | 0.89 | 0.7839 | 28.5 | 28.5 | 0.1170 | 0.1170 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:53 | 1760118 | 0.92 | 0.9282 | 63.6 | 63.6 | 0.0988 | 0.0988 | | |
| PCB-205 | 52:21 | 122804 | 0.99 | 1.2342 | 3.336 | 3.336 | 0.0743 | 0.0743 | | |
| S Total Nonachlorobipheny | | | | | 59.9 | 59.9 | 0.1622 | 0.1622 | | |
| D PCB-208L | 49:17 | 566804 | 0.83 | 1.1383 | 16.4 | 16.4 | 0.3143 | 0.3143 | 82.19 | |
| D PCB-206L | 54:06 | 389780 | 0.79 | 0.8938 | 14.4 | 14.4 | 0.4003 | 0.4003 | 71.98 | |
| PCB-208 | 49:18 | 392852 | 0.77 | 1.1567 | 12.0 | 12.0 | 0.1431 | 0.1431 | | |
| PCB-207 | 50:15 | 131798 | 0.78 | 1.3964 | 3.947 | 3.947 | 0.1408 | 0.1408 | | |
| PCB-206 | 54:07 | 1022206 | 0.81 | 1.1927 | 44.0 | 44.0 | 0.2029 | 0.2029 | | |
| D PCB-209L | 55:44 | 461664 | 0.79 | 0.9809 | 15.5 | 15.5 | 0.0596 | 0.0596 | 77.69 | |
| DCB Decachlorobiphenyl | 55:46 | 1300031 | 0.70 | 1.2455 | 45.2 | 45.2 | 0.0301 | 0.0301 | | |
| S Polychlorinated bipheny | | | | | 6054.6 | 45.2 | 0.1555 | 0.1555 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- n - Failed Sig-To-Noise Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d
Lims ID: 580-88908-A-31-C
Client ID: J5-SC1b-70to80-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 19:49:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 01:31:03 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 00:33:41

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 12:01 | 12:01 | 16 | 0.740 | 341542 | 97668 | 204 | 510 | 479 | | M |
| 202.0766 | 12:01 | 12:01 | 16 | 0.740 | 121099 | 32780 | 1718 | 4295 | 19 | 2.82(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 14:05 | 14:05 | 12 | 0.868 | 447473 | 88781 | 204 | 510 | 435 | | |
| 202.0766 | 14:05 | 14:05 | 12 | 0.868 | 143720 | 27870 | 1718 | 4295 | 16 | 3.11(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | Ma |
| 188.0393 | 12:01 | 12:01 | 16 | 1.001 | 15581 | 3860 | 45 | 112 | 86 | | M |
| 190.0363 | 12:01 | 12:01 | 16 | 1.000 | 4597 | 1152 | 67 | 167 | 17 | 3.39(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:55 | 13:55 | 11 | 0.988 | 3820 | 1271 | 45 | 112 | 28 | | |
| 190.0363 | 13:54 | 13:55 | 10 | 0.987 | 1245 | 263 | 67 | 167 | 4 | 3.07(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:06 | 14:05 | 12 | 1.001 | 11078 | 2370 | 45 | 112 | 53 | | |
| 190.0363 | 14:05 | 14:05 | 11 | 1.000 | 3804 | 751 | 67 | 167 | 11 | 2.91(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:20 | 14:19 | 10 | 0.882 | 159910 | 33164 | 555 | 1387 | 60 | | |
| 236.0376 | 14:20 | 14:19 | 10 | 0.882 | 110148 | 22559 | 214 | 535 | 105 | 1.45(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:14 | 16:07 | 7 | | 442768 | 109065 | 555 | 1387 | 197 | | |
| 236.0376 | 16:14 | 16:07 | 7 | | 261971 | 66900 | 214 | 535 | 313 | 1.69(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | Ma |
| 234.0406 | 20:05 | 20:05 | 4 | 1.237 | 378258 | 90726 | 555 | 1387 | 163 | | M |
| 236.0376 | 20:05 | 20:05 | 4 | 1.237 | 224989 | 57359 | 214 | 535 | 268 | 1.68(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:20 | 14:20 | 10 | 1.001 | 15034 | 2934 | 97 | 242 | 30 | | |
| 223.9974 | 14:20 | 14:20 | 10 | 1.001 | 8716 | 1695 | 57 | 142 | 30 | 1.72(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:30 | | | | | | 97 | 242 | | | |
| 223.9974 | 14:30 | | | | | | 57 | 142 | | | |
| PCB-9 | | | | | | | | | | | RQa |
| 222.0003 | 16:15 | 16:19 | 7 | 1.134 | 5404 | 1363 | 97 | 242 | 14 | | a |
| | Empc Correction | | | | 4174 | 962 | 97 | 242 | 10 | | |
| 223.9974 | 16:15 | 16:19 | 7 | 1.134 | 2676 | 617 | 57 | 142 | 11 | 2.02(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | a |
| 222.0003 | 16:25 | 16:29 | 7 | 1.146 | 4447 | 1141 | 97 | 242 | 12 | | a |
| 223.9974 | 16:25 | 16:29 | 7 | 1.146 | 2934 | 725 | 57 | 142 | 13 | 1.52(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | a |
| 222.0003 | 16:39 | 16:43 | 7 | 1.163 | 28281 | 6912 | 97 | 242 | 71 | | a |
| 223.9974 | 16:38 | 16:43 | 6 | 1.162 | 16112 | 4023 | 57 | 142 | 71 | 1.76(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | U |
| 222.0003 | 16:56 | | | | | | 97 | 242 | | | |
| 223.9974 | 16:56 | | | | | | 57 | 142 | | | |
| PCB-8 | | | | | | | | | | | Ma |
| 222.0003 | 17:04 | 17:03 | 6 | 1.192 | 77373 | 19809 | 97 | 242 | 204 | | M |
| 223.9974 | 17:04 | 17:03 | 6 | 1.192 | 44762 | 11718 | 57 | 142 | 206 | 1.73(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | | | | | | 97 | 242 | | | |
| 223.9974 | 18:37 | | | | | | 57 | 142 | | | |
| PCB-11 | | | | | | | | | | | RQMa |
| 222.0003 | 19:29 | 19:29 | 5 | 0.971 | 7237 | 1682 | 97 | 242 | 17 | | M |
| 223.9974 | 19:29 | 19:29 | 5 | 0.971 | 6402 | 1316 | 57 | 142 | 23 | 1.13(1.33-1.79) | |
| | Empc Correction | | | | 4639 | 1078 | 57 | 142 | 19 | | |
| PCB-12 | | | | | | | | | | | Ma |
| 222.0003 | 19:46 | 19:47 | 1 | 0.984 | 13000 | 2178 | 97 | 242 | 22 | | M |
| 223.9974 | 19:47 | 19:47 | 2 | 0.985 | 8308 | 1549 | 57 | 142 | 27 | 1.56(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | Ma |
| 222.0003 | 19:46 | 19:47 | 1 | 0.984 | 13000 | 2178 | 97 | 242 | 22 | | M |
| 223.9974 | 19:47 | 19:47 | 2 | 0.985 | 8308 | 1549 | 57 | 142 | 27 | 1.56(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:05 | 5 | 1.001 | 36897 | 7815 | 97 | 242 | 81 | | |
| 223.9974 | 20:06 | 20:05 | 5 | 1.001 | 22215 | 5037 | 57 | 142 | 88 | 1.66(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | RQ |
| 268.0016 | 17:21 | 17:17 | 6 | 0.844 | 109209 | 29266 | 560 | 1400 | 52 | | |
| | Empc Correction | | | | 90653 | 22255 | 560 | 1400 | 40 | | |
| 269.9986 | 17:20 | 17:17 | 5 | 0.843 | 87167 | 21400 | 394 | 985 | 54 | 1.25(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:33 | 20:29 | 4 | | 268543 | 64209 | 560 | 1400 | 115 | | |
| 269.9986 | 20:33 | 20:29 | 4 | | 242549 | 60450 | 394 | 985 | 153 | 1.11(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:45 | 3 | | 604728 | 148325 | 439 | 1097 | 338 | | |
| 269.9986 | 22:47 | 22:45 | 3 | | 556846 | 134519 | 318 | 795 | 423 | 1.09(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:05 | 23:05 | 2 | 1.013 | 522851 | 126904 | 439 | 1097 | 289 | | |
| 269.9986 | 23:05 | 23:05 | 2 | 1.013 | 472132 | 113781 | 318 | 795 | 358 | 1.11(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:05 | 1 | 1.188 | 493660 | 105833 | 439 | 1097 | 241 | | |
| 269.9986 | 27:04 | 27:05 | 1 | 1.188 | 451610 | 96042 | 318 | 795 | 302 | 1.09(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:22 | 17:22 | 5 | 1.001 | 5395 | 1478 | 36 | 90 | 41 | | |
| 257.9584 | 17:22 | 17:22 | 5 | 1.001 | 4604 | 1084 | 41 | 102 | 26 | 1.17(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 6 | 1.107 | 80480 | 20628 | 36 | 90 | 573 | | |
| 257.9584 | 19:12 | 19:12 | 6 | 1.107 | 76031 | 18828 | 41 | 102 | 459 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 6 | 1.107 | 80480 | 20628 | 36 | 90 | 573 | | |
| 257.9584 | 19:12 | 19:12 | 6 | 1.107 | 76031 | 18828 | 41 | 102 | 459 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | a |
| 255.9613 | 19:36 | 19:36 | 4 | 1.130 | 43142 | 11664 | 36 | 90 | 324 | | a |
| 257.9584 | 19:36 | 19:36 | 4 | 1.130 | 40743 | 10435 | 41 | 102 | 255 | 1.06(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | a |
| 255.9613 | 19:49 | 19:51 | 4 | 1.143 | 7945 | 1895 | 36 | 90 | 53 | | a |
| 257.9584 | 19:49 | 19:51 | 4 | 1.143 | 6997 | 1770 | 41 | 102 | 43 | 1.14(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | RQMa |
| 255.9613 | 19:57 | 19:59 | 4 | 1.150 | 980 | 412 | 36 | 90 | 11 | | M |
| | Empc Correction | | | | 802 | 296 | 36 | 90 | 8 | | |
| 257.9584 | 19:58 | 19:59 | 5 | 1.152 | 772 | 285 | 41 | 102 | 7 | 1.27(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | Ma |
| 255.9613 | 20:03 | 20:02 | 3 | 1.156 | 22666 | 5771 | 36 | 90 | 160 | | M |
| 257.9584 | 20:03 | 20:02 | 3 | 1.156 | 20323 | 4916 | 41 | 102 | 120 | 1.12(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | a |
| 255.9613 | 20:34 | 20:34 | 3 | 1.186 | 39125 | 9929 | 36 | 90 | 276 | | a |
| 257.9584 | 20:34 | 20:34 | 3 | 1.186 | 37524 | 9329 | 41 | 102 | 228 | 1.04(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | RQa |
| 255.9613 | 21:49 | 21:53 | 2 | 1.258 | 10389 | 2491 | 259 | 647 | 10 | | a |
| | Empc Correction | | | | 8369 | 2325 | 259 | 647 | 9 | | |
| 257.9584 | 21:49 | 21:53 | 3 | 1.258 | 8048 | 2236 | 332 | 830 | 7 | 1.29(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | | | | | | 259 | 647 | | | |
| 257.9584 | 22:02 | | | | | | 332 | 830 | | | |
| PCB-26 | | | | | | | | | | | a |
| 255.9613 | 22:16 | 22:15 | 1 | 1.284 | 146163 | 36305 | 259 | 647 | 140 | | a |
| 257.9584 | 22:16 | 22:15 | 1 | 1.284 | 142214 | 35644 | 332 | 830 | 107 | 1.03(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | a |
| 255.9613 | 22:16 | 22:15 | 1 | 1.284 | 146163 | 36305 | 259 | 647 | 140 | | a |
| 257.9584 | 22:16 | 22:15 | 1 | 1.284 | 142214 | 35644 | 332 | 830 | 107 | 1.03(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:28 | 2 | 0.831 | 101047 | 24693 | 259 | 647 | 95 | | |
| 257.9584 | 22:30 | 22:28 | 2 | 0.831 | 96624 | 23416 | 332 | 830 | 71 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:49 | 22:46 | 3 | 0.843 | 406725 | 98636 | 259 | 647 | 381 | | |
| 257.9584 | 22:49 | 22:46 | 3 | 0.843 | 373937 | 89552 | 332 | 830 | 270 | 1.09(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:04 | 2 | 0.854 | 516369 | 120612 | 259 | 647 | 466 | | |
| 257.9584 | 23:07 | 23:04 | 2 | 0.854 | 480078 | 113483 | 332 | 830 | 342 | 1.08(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:04 | 2 | 0.854 | 516369 | 120612 | 259 | 647 | 466 | | |
| 257.9584 | 23:07 | 23:04 | 2 | 0.854 | 480078 | 113483 | 332 | 830 | 342 | 1.08(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:18 | 2 | 0.862 | 222912 | 54038 | 259 | 647 | 209 | | |
| 257.9584 | 23:20 | 23:18 | 2 | 0.862 | 211469 | 50579 | 332 | 830 | 152 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:18 | 2 | 0.862 | 222912 | 54038 | 259 | 647 | 209 | | |
| 257.9584 | 23:20 | 23:18 | 2 | 0.862 | 211469 | 50579 | 332 | 830 | 152 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:42 | 2 | 0.877 | 84201 | 20338 | 259 | 647 | 79 | | |
| 257.9584 | 23:44 | 23:42 | 2 | 0.877 | 79869 | 18995 | 332 | 830 | 57 | 1.05(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:17 | 25:15 | 2 | 0.934 | 8409 | 2123 | 259 | 647 | 8 | | |
| 257.9584 | 25:17 | 25:15 | 2 | 0.934 | 8196 | 1805 | 332 | 830 | 5 | 1.03(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:38 | 25:36 | 2 | 0.947 | 20981 | 3926 | 259 | 647 | 15 | | |
| 257.9584 | 25:38 | 25:36 | 2 | 0.947 | 20073 | 4398 | 332 | 830 | 13 | 1.05(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:11 | | | | | | 259 | 647 | | | |
| 257.9584 | 26:11 | | | | | | 332 | 830 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:40 | 26:39 | 1 | 0.985 | 19668 | 5025 | 259 | 647 | 19 | | |
| 257.9584 | 26:40 | 26:39 | 1 | 0.985 | 19665 | 4070 | 332 | 830 | 12 | 1.00(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:05 | 27:03 | 1 | 1.000 | 95166 | 19829 | 259 | 647 | 77 | | |
| 257.9584 | 27:05 | 27:03 | 1 | 1.000 | 88013 | 18728 | 332 | 830 | 56 | 1.08(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:23 | 20:20 | 4 | 0.818 | 103631 | 24103 | 126 | 315 | 191 | | |
| 303.9597 | 20:23 | 20:20 | 4 | 0.818 | 133794 | 31821 | 51 | 127 | 624 | 0.77(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:53 | 1 | | 276642 | 65256 | 103 | 257 | 634 | | |
| 303.9597 | 24:54 | 24:53 | 1 | | 345252 | 78374 | 76 | 190 | 1031 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:49 | 33:48 | 1 | 1.358 | 298061 | 62446 | 103 | 257 | 606 | | |
| 303.9597 | 33:48 | 33:48 | 1 | 1.357 | 385729 | 83073 | 76 | 190 | 1093 | 0.77(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:21 | 34:22 | 1 | 1.380 | 327581 | 65085 | 103 | 257 | 632 | | |
| 303.9597 | 34:21 | 34:22 | 1 | 1.380 | 414202 | 83642 | 76 | 190 | 1101 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | RQ |
| 289.9224 | 20:24 | 20:21 | 4 | 1.000 | 824 | 221 | 6 | 15 | 37 | | |
| 291.9194 | 20:24 | 20:21 | 3 | 0.999 | 1508 | 283 | 19 | 47 | 15 | 0.55(0.65-0.89) | |
| | Empc Correction | | | | 1070 | 287 | 19 | 47 | 15 | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:34 | 1 | 1.106 | 69454 | 17146 | 1182 | 2955 | 15 | | |
| 291.9194 | 22:32 | 22:34 | 1 | 1.106 | 93525 | 22310 | 1400 | 3500 | 16 | 0.74(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:34 | 1 | 1.106 | 69454 | 17146 | 1182 | 2955 | 15 | | |
| 291.9194 | 22:32 | 22:34 | 1 | 1.106 | 93525 | 22310 | 1400 | 3500 | 16 | 0.74(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:16 | 23:16 | 1 | 1.142 | 60910 | 8353 | 1182 | 2955 | 7 | | M |
| 291.9194 | 23:16 | 23:16 | 1 | 1.142 | 78818 | 10116 | 1400 | 3500 | 7 | 0.77(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:16 | 23:16 | 1 | 1.142 | 60910 | 8353 | 1182 | 2955 | 7 | | M |
| 291.9194 | 23:16 | 23:16 | 1 | 1.142 | 78818 | 10116 | 1400 | 3500 | 7 | 0.77(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | Ma |
| 289.9224 | 23:30 | 23:32 | 1 | 1.153 | 18857 | 4505 | 1182 | 2955 | 4 | | M |
| 291.9194 | 23:31 | 23:32 | 2 | 1.154 | 22057 | 5202 | 1400 | 3500 | 4 | 0.85(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | Ma |
| 289.9224 | 24:56 | 24:56 | 2 | 1.223 | 2246660 | 520942 | 1182 | 2955 | 441 | | M |
| 291.9194 | 24:56 | 24:56 | 2 | 1.223 | 2821779 | 650540 | 1400 | 3500 | 465 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:03 | 25:06 | 1 | 1.230 | 26912 | 3468 | 1182 | 2955 | 3 | | M |
| 291.9194 | 25:04 | 25:06 | 1 | 1.230 | 31587 | 4232 | 1400 | 3500 | 3 | 0.85(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:03 | 25:06 | 1 | 1.230 | 26912 | 3468 | 1182 | 2955 | 3 | | M |
| 291.9194 | 25:04 | 25:06 | 1 | 1.230 | 31587 | 4232 | 1400 | 3500 | 3 | 0.85(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 4 | 1.247 | 1457888 | 340316 | 1182 | 2955 | 288 | | |
| 291.9194 | 25:25 | 25:24 | 4 | 1.247 | 1828859 | 429908 | 1400 | 3500 | 307 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 4 | 1.247 | 1457888 | 340316 | 1182 | 2955 | 288 | | |
| 291.9194 | 25:25 | 25:24 | 4 | 1.247 | 1828859 | 429908 | 1400 | 3500 | 307 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:42 | 25:44 | 2 | 1.261 | 47512 | 10501 | 1182 | 2955 | 9 | | |
| 291.9194 | 25:41 | 25:44 | 1 | 1.261 | 61343 | 14269 | 1400 | 3500 | 10 | 0.77(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 1 | 1.272 | 1344497 | 184827 | 1182 | 2955 | 156 | | |
| 291.9194 | 25:54 | 25:58 | 0 | 1.271 | 1697236 | 232159 | 1400 | 3500 | 166 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 1 | 1.272 | 1344497 | 184827 | 1182 | 2955 | 156 | | |
| 291.9194 | 25:54 | 25:58 | 0 | 1.271 | 1697236 | 232159 | 1400 | 3500 | 166 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 1 | 1.272 | 1344497 | 184827 | 1182 | 2955 | 156 | | |
| 291.9194 | 25:54 | 25:58 | 0 | 1.271 | 1697236 | 232159 | 1400 | 3500 | 166 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:16 | 4 | 1.289 | 54041 | 8980 | 1182 | 2955 | 8 | | |
| 291.9194 | 26:16 | 26:16 | 4 | 1.289 | 66781 | 11488 | 1400 | 3500 | 8 | 0.81(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:16 | 4 | 1.289 | 54041 | 8980 | 1182 | 2955 | 8 | | |
| 291.9194 | 26:16 | 26:16 | 4 | 1.289 | 66781 | 11488 | 1400 | 3500 | 8 | 0.81(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:16 | 4 | 1.289 | 54041 | 8980 | 1182 | 2955 | 8 | | |
| 291.9194 | 26:16 | 26:16 | 4 | 1.289 | 66781 | 11488 | 1400 | 3500 | 8 | 0.81(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | a |
| 289.9224 | 26:27 | 26:26 | 1 | 1.298 | 165734 | 38190 | 1182 | 2955 | 32 | | a |
| 291.9194 | 26:26 | 26:26 | 1 | 1.297 | 210650 | 47517 | 1400 | 3500 | 34 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.321 | 278252 | 60173 | 1182 | 2955 | 51 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.321 | 355016 | 78514 | 1400 | 3500 | 56 | 0.78(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.321 | 278252 | 60173 | 1182 | 2955 | 51 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.321 | 355016 | 78514 | 1400 | 3500 | 56 | 0.78(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.321 | 278252 | 60173 | 1182 | 2955 | 51 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.321 | 355016 | 78514 | 1400 | 3500 | 56 | 0.78(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | a |
| 289.9224 | 27:08 | 27:08 | 1 | 1.332 | 324295 | 74645 | 1182 | 2955 | 63 | | a |
| 291.9194 | 27:08 | 27:08 | 1 | 1.332 | 408115 | 92161 | 1400 | 3500 | 66 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:59 | 27:57 | 1 | 0.828 | 163035 | 37511 | 1182 | 2955 | 32 | | |
| 291.9194 | 27:59 | 27:57 | 1 | 0.828 | 207504 | 49244 | 1400 | 3500 | 35 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:16 | 28:16 | 1 | 0.836 | 178252 | 41362 | 1182 | 2955 | 35 | | |
| 291.9194 | 28:16 | 28:16 | 1 | 0.836 | 235939 | 50945 | 1400 | 3500 | 36 | 0.76(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:40 | | | | | | 1182 | 2955 | | | |
| 291.9194 | 28:40 | | | | | | 1400 | 3500 | | | |
| PCB-58 | | | | | | | | | | | Ma |
| 289.9224 | 28:55 | 28:54 | 1 | 0.855 | 12888 | 4007 | 1182 | 2955 | 3 | | M |
| 291.9194 | 28:55 | 28:54 | 0 | 0.855 | 16582 | 4967 | 1400 | 3500 | 4 | 0.78(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | Ma |
| 289.9224 | 29:05 | 29:04 | 1 | 0.860 | 17430 | 3139 | 1182 | 2955 | 3 | | M |
| 291.9194 | 29:06 | 29:04 | 1 | 0.861 | 22673 | 4546 | 1400 | 3500 | 3 | 0.77(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:21 | 29:20 | 1 | 0.868 | 34351 | 8140 | 1182 | 2955 | 7 | | |
| 291.9194 | 29:21 | 29:20 | 1 | 0.868 | 42835 | 10252 | 1400 | 3500 | 7 | 0.80(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | Ma |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 2401035 | 440073 | 1182 | 2955 | 372 | | M |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 3017583 | 552381 | 1400 | 3500 | 395 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-70 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 2401035 | 440073 | 1182 | 2955 | 372 | | M |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 3017583 | 552381 | 1400 | 3500 | 395 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 2401035 | 440073 | 1182 | 2955 | 372 | | M |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 3017583 | 552381 | 1400 | 3500 | 395 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 2401035 | 440073 | 1182 | 2955 | 372 | | M |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 3017583 | 552381 | 1400 | 3500 | 395 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:01 | 30:01 | 1 | 0.888 | 1103006 | 229122 | 1182 | 2955 | 194 | | M |
| 291.9194 | 30:01 | 30:01 | 1 | 0.888 | 1391669 | 286387 | 1400 | 3500 | 205 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | RnMa |
| 289.9224 | 30:08 | 30:09 | -2 | 0.891 | 6162 | 1183 | 1182 | 2955 | 1 | | M |
| 291.9194 | 30:10 | 30:09 | 1 | 0.892 | 3782 | 1290 | 1400 | 3500 | 1 | 1.63(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:41 | 30:39 | 1 | 0.907 | 275367 | 61505 | 1182 | 2955 | 52 | | |
| 291.9194 | 30:41 | 30:39 | 1 | 0.907 | 349251 | 74538 | 1400 | 3500 | 53 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:54 | 30:52 | 1 | 0.914 | 48337 | 10858 | 1182 | 2955 | 9 | | |
| 291.9194 | 30:53 | 30:52 | 0 | 0.913 | 64251 | 13381 | 1400 | 3500 | 10 | 0.75(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:17 | | | | | | 1182 | 2955 | | | |
| 291.9194 | 31:17 | | | | | | 1400 | 3500 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:50 | 32:48 | 1 | 0.971 | 153809 | 22998 | 1182 | 2955 | 19 | | |
| 291.9194 | 32:50 | 32:48 | 1 | 0.971 | 185987 | 25512 | 1400 | 3500 | 18 | 0.83(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:22 | | | | | | 1182 | 2955 | | | |
| 291.9194 | 33:22 | | | | | | 1400 | 3500 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:48 | | | | | | 1182 | 2955 | | | |
| 291.9194 | 33:48 | | | | | | 1400 | 3500 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:23 | 34:22 | 1 | 1.001 | 35976 | 8127 | 1182 | 2955 | 7 | | |
| 291.9194 | 34:23 | 34:22 | 1 | 1.001 | 47573 | 10875 | 1400 | 3500 | 8 | 0.76(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:49 | 1 | 0.814 | 301676 | 69404 | 74 | 185 | 938 | | |
| 339.9178 | 25:51 | 25:49 | 2 | 0.815 | 191285 | 42903 | 31 | 77 | 1384 | 1.58(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:44 | 31:43 | 1 | | 318177 | 67106 | 74 | 185 | 907 | | |
| 339.9178 | 31:44 | 31:43 | 1 | | 193257 | 42494 | 31 | 77 | 1371 | 1.65(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:25 | 34:24 | 1 | 1.085 | 338789 | 72046 | 74 | 185 | 974 | | |
| 339.9178 | 34:25 | 34:24 | 1 | 1.085 | 215742 | 45187 | 31 | 77 | 1458 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:22 | 36:22 | 0 | 1.146 | 434377 | 91452 | 706 | 1765 | 130 | | |
| 339.9178 | 36:22 | 36:22 | 0 | 1.146 | 271498 | 55690 | 465 | 1162 | 120 | 1.60(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:42 | 36:42 | 0 | 1.156 | 455175 | 93136 | 706 | 1765 | 132 | | |
| 339.9178 | 36:42 | 36:42 | 0 | 1.156 | 270909 | 55997 | 465 | 1162 | 120 | 1.68(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:13 | 37:13 | 0 | 1.173 | 423213 | 83902 | 706 | 1765 | 119 | | |
| 339.9178 | 37:14 | 37:13 | 1 | 1.173 | 269958 | 55786 | 465 | 1162 | 120 | 1.57(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:52 | 37:51 | 1 | 1.193 | 435871 | 90725 | 706 | 1765 | 129 | | |
| 339.9178 | 37:52 | 37:51 | 1 | 1.193 | 280391 | 57067 | 465 | 1162 | 123 | 1.55(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:21 | 39:20 | 1 | | 528124 | 104691 | 706 | 1765 | 148 | | |
| 339.9178 | 39:21 | 39:20 | 1 | | 336220 | 66247 | 465 | 1162 | 142 | 1.57(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:57 | 40:57 | 1 | 1.291 | 422379 | 85265 | 706 | 1765 | 121 | | |
| 339.9178 | 40:57 | 40:57 | 1 | 1.291 | 268520 | 55433 | 465 | 1162 | 119 | 1.57(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:51 | | | | | | 53 | 132 | | | |
| 327.8775 | 25:51 | | | | | | 29 | 72 | | | |
| PCB-96 | | | | | | | | | | | Ma |
| 325.8804 | 26:14 | 26:14 | 1 | 1.015 | 24700 | 5566 | 53 | 132 | 105 | | M |
| 327.8775 | 26:14 | 26:14 | 1 | 1.015 | 17261 | 3843 | 29 | 72 | 133 | 1.43(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:10 | 28:10 | 1 | 1.090 | 247204 | 54179 | 53 | 132 | 1022 | | |
| 327.8775 | 28:10 | 28:10 | 1 | 1.090 | 156206 | 33604 | 29 | 72 | 1159 | 1.58(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | Ma |
| 325.8804 | 28:23 | 28:23 | 1 | 1.098 | 15158 | 3191 | 53 | 132 | 60 | | M |
| 327.8775 | 28:23 | 28:23 | 1 | 1.098 | 9726 | 2081 | 29 | 72 | 72 | 1.56(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:49 | 28:49 | 1 | 1.115 | 3656258 | 804007 | 53 | 132 | 15170 | | |
| 327.8775 | 28:49 | 28:49 | 1 | 1.115 | 2286375 | 500566 | 29 | 72 | 17261 | 1.60(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 1 | 1.124 | 195007 | 41537 | 53 | 132 | 784 | | |
| 327.8775 | 29:02 | 29:02 | 1 | 1.124 | 116507 | 24721 | 29 | 72 | 852 | 1.67(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 1 | 1.124 | 195007 | 41537 | 53 | 132 | 784 | | |
| 327.8775 | 29:02 | 29:02 | 1 | 1.124 | 116507 | 24721 | 29 | 72 | 852 | 1.67(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:11 | 29:11 | 0 | 1.129 | 125688 | 19854 | 53 | 132 | 375 | | |
| 327.8775 | 29:11 | 29:11 | 0 | 1.129 | 79530 | 11696 | 29 | 72 | 403 | 1.58(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:11 | 29:11 | 0 | 1.129 | 125688 | 19854 | 53 | 132 | 375 | | |
| 327.8775 | 29:11 | 29:11 | 0 | 1.129 | 79530 | 11696 | 29 | 72 | 403 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 1 | 1.149 | 891161 | 192838 | 53 | 132 | 3638 | | |
| 327.8775 | 29:40 | 29:41 | 0 | 1.148 | 554446 | 117965 | 29 | 72 | 4068 | 1.61(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 1 | 1.149 | 891161 | 192838 | 53 | 132 | 3638 | | |
| 327.8775 | 29:40 | 29:41 | 0 | 1.148 | 554446 | 117965 | 29 | 72 | 4068 | 1.61(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:54 | 29:54 | 1 | 1.157 | 756577 | 160345 | 53 | 132 | 3025 | | |
| 327.8775 | 29:54 | 29:54 | 1 | 1.157 | 476005 | 101001 | 29 | 72 | 3483 | 1.59(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:23 | | | | | | 53 | 132 | | | |
| 327.8775 | 30:23 | | | | | | 29 | 72 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:48 | 30:48 | 1 | 1.192 | 31359 | 6468 | 53 | 132 | 122 | | |
| 327.8775 | 30:48 | 30:48 | 1 | 1.192 | 20397 | 4091 | 29 | 72 | 141 | 1.54(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:10 | 31:09 | 1 | 0.857 | 1437864 | 308699 | 53 | 132 | 5825 | | |
| 327.8775 | 31:10 | 31:09 | 1 | 0.857 | 898167 | 195917 | 29 | 72 | 6756 | 1.60(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:45 | 1 | 1.229 | 6035286 | 1250909 | 53 | 132 | 23602 | | |
| 327.8775 | 31:46 | 31:45 | 1 | 1.229 | 3835578 | 794129 | 29 | 72 | 27384 | 1.57(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:45 | 1 | 1.229 | 6035286 | 1250909 | 53 | 132 | 23602 | | |
| 327.8775 | 31:46 | 31:45 | 1 | 1.229 | 3835578 | 794129 | 29 | 72 | 27384 | 1.57(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:45 | 1 | 1.229 | 6035286 | 1250909 | 53 | 132 | 23602 | | |
| 327.8775 | 31:46 | 31:45 | 1 | 1.229 | 3835578 | 794129 | 29 | 72 | 27384 | 1.57(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:20 | 32:19 | 0 | 1.251 | 3597149 | 708853 | 53 | 132 | 13375 | | |
| 327.8775 | 32:20 | 32:19 | 0 | 1.251 | 2254485 | 449217 | 29 | 72 | 15490 | 1.60(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:20 | 32:19 | 0 | 1.251 | 3597149 | 708853 | 53 | 132 | 13375 | | |
| 327.8775 | 32:20 | 32:19 | 0 | 1.251 | 2254485 | 449217 | 29 | 72 | 15490 | 1.60(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:27 | | | | | | 53 | 132 | | | |
| 327.8775 | 32:27 | | | | | | 29 | 72 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 2568129 | 309827 | 53 | 132 | 5846 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1623214 | 192662 | 29 | 72 | 6644 | 1.58(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 2568129 | 309827 | 53 | 132 | 5846 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1623214 | 192662 | 29 | 72 | 6644 | 1.58(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 2568129 | 309827 | 53 | 132 | 5846 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1623214 | 192662 | 29 | 72 | 6644 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 2568129 | 309827 | 53 | 132 | 5846 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1623214 | 192662 | 29 | 72 | 6644 | 1.58(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 2568129 | 309827 | 53 | 132 | 5846 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1623214 | 192662 | 29 | 72 | 6644 | 1.58(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.270 | 2568129 | 309827 | 53 | 132 | 5846 | | M |
| 327.8775 | 32:50 | 32:50 | 1 | 1.270 | 1623214 | 192662 | 29 | 72 | 6644 | 1.58(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:42 | 1 | 1.298 | 511633 | 87020 | 53 | 132 | 1642 | | |
| 327.8775 | 33:33 | 33:42 | 1 | 1.298 | 323812 | 56050 | 29 | 72 | 1933 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:42 | 1 | 1.298 | 511633 | 87020 | 53 | 132 | 1642 | | |
| 327.8775 | 33:33 | 33:42 | 1 | 1.298 | 323812 | 56050 | 29 | 72 | 1933 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:42 | 1 | 1.298 | 511633 | 87020 | 53 | 132 | 1642 | | |
| 327.8775 | 33:33 | 33:42 | 1 | 1.298 | 323812 | 56050 | 29 | 72 | 1933 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:43 | 33:42 | -4 | 1.305 | 5609410 | 1174755 | 53 | 132 | 22165 | | a |
| 327.8775 | 33:43 | 33:42 | -4 | 1.305 | 3536843 | 741704 | 29 | 72 | 25576 | 1.59(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:43 | 33:42 | -4 | 1.305 | 5609410 | 1174755 | 53 | 132 | 22165 | | a |
| 327.8775 | 33:43 | 33:42 | -4 | 1.305 | 3536843 | 741704 | 29 | 72 | 25576 | 1.59(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:02 | 34:02 | 1 | 1.317 | 263537 | 48105 | 53 | 132 | 908 | | |
| 327.8775 | 34:02 | 34:02 | 1 | 1.317 | 166894 | 32062 | 29 | 72 | 1106 | 1.58(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:27 | 34:27 | 1 | 1.333 | 56233 | 10615 | 53 | 132 | 200 | | |
| 327.8775 | 34:27 | 34:27 | 1 | 1.333 | 33975 | 6786 | 29 | 72 | 234 | 1.66(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:54 | 34:53 | 1 | 1.351 | 167418 | 33443 | 53 | 132 | 631 | | |
| 327.8775 | 34:54 | 34:53 | 1 | 1.351 | 109589 | 21703 | 29 | 72 | 748 | 1.53(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:03 | 1 | 1.395 | 168504 | 35236 | 774 | 1935 | 46 | | |
| 327.8775 | 36:03 | 36:03 | 1 | 1.395 | 106605 | 22433 | 472 | 1180 | 48 | 1.58(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:03 | 1 | 1.395 | 168504 | 35236 | 774 | 1935 | 46 | | |
| 327.8775 | 36:03 | 36:03 | 1 | 1.395 | 106605 | 22433 | 472 | 1180 | 48 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | Ma |
| 325.8804 | 36:17 | 36:15 | 1 | 1.404 | 667432 | 133871 | 774 | 1935 | 173 | | M |
| 327.8775 | 36:17 | 36:15 | 1 | 1.404 | 411918 | 82501 | 472 | 1180 | 175 | 1.62(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:24 | 36:22 | 1 | 1.001 | 55668 | 14853 | 774 | 1935 | 19 | | M |
| 327.8775 | 36:24 | 36:22 | 1 | 1.001 | 42182 | 9147 | 472 | 1180 | 19 | 1.32(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:29 | | | | | | 774 | 1935 | | | |
| 327.8775 | 36:29 | | | | | | 472 | 1180 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:43 | 36:41 | 1 | 1.001 | 5026270 | 995254 | 774 | 1935 | 1286 | | |
| 327.8775 | 36:43 | 36:41 | 1 | 1.001 | 3181744 | 637498 | 472 | 1180 | 1351 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:04 | 37:02 | 0 | 1.010 | 53199 | 9878 | 774 | 1935 | 13 | | |
| 327.8775 | 37:04 | 37:02 | 0 | 1.010 | 34483 | 6256 | 472 | 1180 | 13 | 1.54(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | Ma |
| 325.8804 | 37:15 | 37:14 | 0 | 1.001 | 80732 | 15717 | 774 | 1935 | 20 | | M |
| 327.8775 | 37:15 | 37:14 | 0 | 1.001 | 53988 | 10137 | 472 | 1180 | 21 | 1.50(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:54 | 37:53 | 1 | 1.001 | 1518801 | 277034 | 774 | 1935 | 358 | | |
| 327.8775 | 37:54 | 37:53 | 1 | 1.001 | 948062 | 173403 | 472 | 1180 | 367 | 1.60(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:21 | | | | | | 774 | 1935 | | | |
| 327.8775 | 39:21 | | | | | | 472 | 1180 | | | |
| PCB-126 | | | | | | | | | | | nMa |
| 325.8804 | 41:00 | 40:57 | 2 | 1.001 | 7192 | 1563 | 774 | 1935 | 2 | | M |
| 327.8775 | 40:59 | 40:57 | 1 | 1.001 | 4780 | 1084 | 472 | 1180 | 2 | 1.50(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:30 | 31:30 | 0 | 0.791 | 271834 | 54669 | 75 | 187 | 729 | | |
| 373.8788 | 31:30 | 31:30 | 0 | 0.791 | 208823 | 44907 | 68 | 170 | 660 | 1.30(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:49 | 39:48 | 1 | | 344068 | 70619 | 253 | 632 | 279 | | |
| 373.8788 | 39:49 | 39:48 | 1 | | 267679 | 49269 | 82 | 205 | 601 | 1.29(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:50 | 42:49 | 0 | 1.076 | 352817 | 71484 | 253 | 632 | 283 | | |
| 373.8788 | 42:50 | 42:49 | 1 | 1.076 | 286965 | 59423 | 82 | 205 | 725 | 1.23(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:59 | 43:57 | 1 | 1.104 | 720776 | 100408 | 253 | 632 | 397 | | |
| 373.8788 | 43:59 | 43:57 | 1 | 1.104 | 547554 | 80523 | 82 | 205 | 982 | 1.32(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:59 | 43:57 | 1 | 1.104 | 720776 | 100408 | 253 | 632 | 397 | | |
| 373.8788 | 43:59 | 43:57 | 1 | 1.104 | 547554 | 80523 | 82 | 205 | 982 | 1.32(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:12 | 47:12 | 0 | 1.186 | 343471 | 62633 | 253 | 632 | 248 | | |
| 373.8788 | 47:13 | 47:12 | 1 | 1.186 | 282665 | 55505 | 82 | 205 | 677 | 1.22(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:32 | 31:31 | 0 | 1.001 | 7040 | 1406 | 38 | 95 | 37 | | |
| 361.8385 | 31:33 | 31:31 | 1 | 1.001 | 5413 | 976 | 33 | 82 | 30 | 1.30(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | Ma |
| 359.8415 | 31:43 | 31:42 | 1 | 1.007 | 2927 | 881 | 38 | 95 | 23 | | M |
| 361.8385 | 31:43 | 31:42 | 1 | 1.007 | 2506 | 537 | 33 | 82 | 16 | 1.17(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | 31:53 | 0 | 1.012 | 116259 | 24756 | 38 | 95 | 651 | | |
| 361.8385 | 31:53 | 31:53 | 0 | 1.012 | 93440 | 20183 | 33 | 82 | 612 | 1.24(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:15 | 32:13 | 1 | 1.023 | 1081530 | 229763 | 38 | 95 | 6046 | | |
| 361.8385 | 32:15 | 32:13 | 1 | 1.023 | 862922 | 183346 | 33 | 82 | 5556 | 1.25(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQMa |
| 359.8415 | 32:32 | 32:31 | 0 | 1.033 | 2832 | 577 | 38 | 95 | 15 | | M |
| 361.8385 | 32:31 | 32:31 | -2 | 1.032 | 3207 | 531 | 33 | 82 | 16 | 0.88(1.05-1.43) | |
| | Empc Correction | | | | 2283 | 465 | 33 | 82 | 14 | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:04 | 34:03 | 0 | 1.081 | 115474 | 24198 | 38 | 95 | 637 | | |
| 361.8385 | 34:04 | 34:03 | 0 | 1.081 | 92233 | 19635 | 33 | 82 | 595 | 1.25(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:38 | 1 | 1.100 | 2398385 | 297007 | 38 | 95 | 7816 | | |
| 361.8385 | 34:39 | 34:38 | 1 | 1.100 | 1887822 | 230735 | 33 | 82 | 6992 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:38 | 1 | 1.100 | 2398385 | 297007 | 38 | 95 | 7816 | | |
| 361.8385 | 34:39 | 34:38 | 1 | 1.100 | 1887822 | 230735 | 33 | 82 | 6992 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:55 | 34:53 | 1 | 1.108 | 599449 | 122619 | 38 | 95 | 3227 | | |
| 361.8385 | 34:55 | 34:53 | 1 | 1.108 | 466533 | 95976 | 33 | 82 | 2908 | 1.28(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:13 | 35:12 | 1 | 1.118 | 180016 | 36911 | 38 | 95 | 971 | | |
| 361.8385 | 35:13 | 35:12 | 1 | 1.118 | 140885 | 28048 | 33 | 82 | 850 | 1.28(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 1 | 1.130 | 6955788 | 1416292 | 197 | 492 | 7189 | | |
| 361.8385 | 35:34 | 35:33 | 0 | 1.129 | 5564577 | 1138950 | 167 | 417 | 6820 | 1.25(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 1 | 1.130 | 6955788 | 1416292 | 197 | 492 | 7189 | | |
| 361.8385 | 35:34 | 35:33 | 0 | 1.129 | 5564577 | 1138950 | 167 | 417 | 6820 | 1.25(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:46 | 35:45 | -6 | 1.135 | 310485 | 60194 | 197 | 492 | 306 | | a |
| 361.8385 | 35:46 | 35:45 | -6 | 1.135 | 248060 | 47720 | 167 | 417 | 286 | 1.25(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:46 | 35:45 | -6 | 1.135 | 310485 | 60194 | 197 | 492 | 306 | | a |
| 361.8385 | 35:46 | 35:45 | -6 | 1.135 | 248060 | 47720 | 167 | 417 | 286 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:11 | 36:09 | 1 | 1.149 | 224404 | 43592 | 197 | 492 | 221 | | |
| 361.8385 | 36:11 | 36:09 | 1 | 1.149 | 181330 | 33698 | 167 | 417 | 202 | 1.24(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:11 | 36:09 | 1 | 1.149 | 224404 | 43592 | 197 | 492 | 221 | | |
| 361.8385 | 36:11 | 36:09 | 1 | 1.149 | 181330 | 33698 | 167 | 417 | 202 | 1.24(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:23 | 36:21 | 1 | 1.155 | 57329 | 10660 | 197 | 492 | 54 | | |
| 361.8385 | 36:22 | 36:21 | 0 | 1.154 | 44583 | 8294 | 167 | 417 | 50 | 1.29(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:31 | | | | | | 197 | 492 | | | |
| 361.8385 | 36:31 | | | | | | 167 | 417 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:50 | 36:49 | 0 | 1.169 | 1706439 | 351797 | 197 | 492 | 1786 | | |
| 361.8385 | 36:50 | 36:49 | 0 | 1.169 | 1365454 | 280041 | 167 | 417 | 1677 | 1.25(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:21 | 37:19 | 1 | 1.186 | 363385 | 75857 | 197 | 492 | 385 | | |
| 361.8385 | 37:21 | 37:19 | 1 | 1.186 | 293116 | 59627 | 167 | 417 | 357 | 1.24(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | Ma |
| 359.8415 | 37:44 | 37:43 | 1 | 0.881 | 33690 | 6791 | 197 | 492 | 34 | | M |
| 361.8385 | 37:44 | 37:43 | 1 | 0.881 | 27422 | 5812 | 167 | 417 | 35 | 1.23(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:59 | 37:59 | 0 | 0.887 | 2950447 | 603204 | 197 | 492 | 3062 | | |
| 361.8385 | 37:59 | 37:59 | 0 | 0.887 | 2319441 | 474314 | 167 | 417 | 2840 | 1.27(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:07 | | | | | | 197 | 492 | | | |
| 361.8385 | 38:07 | | | | | | 167 | 417 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:37 | -2 | 0.901 | 8545936 | 1696023 | 197 | 492 | 8609 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.901 | 6852424 | 1380966 | 167 | 417 | 8269 | 1.25(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:37 | -2 | 0.901 | 8545936 | 1696023 | 197 | 492 | 8609 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.901 | 6852424 | 1380966 | 167 | 417 | 8269 | 1.25(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:48 | 38:47 | 1 | 0.906 | 915726 | 180798 | 197 | 492 | 918 | | |
| 361.8385 | 38:48 | 38:47 | 1 | 0.906 | 729397 | 142280 | 167 | 417 | 852 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:12 | 39:11 | 1 | 0.915 | 342903 | 68548 | 197 | 492 | 348 | | |
| 361.8385 | 39:12 | 39:11 | 1 | 0.915 | 280090 | 56660 | 167 | 417 | 339 | 1.22(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:26 | 39:24 | 1 | 0.921 | 174145 | 37651 | 197 | 492 | 191 | | |
| 361.8385 | 39:26 | 39:24 | 1 | 0.921 | 136746 | 29898 | 167 | 417 | 179 | 1.27(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:33 | 39:31 | 1 | 0.923 | 585358 | 116821 | 197 | 492 | 593 | | |
| 361.8385 | 39:33 | 39:31 | 1 | 0.923 | 464326 | 91504 | 167 | 417 | 548 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:51 | 39:49 | 0 | 0.930 | 6353148 | 1181324 | 197 | 492 | 5997 | | |
| 361.8385 | 39:51 | 39:49 | 0 | 0.930 | 5046906 | 956796 | 167 | 417 | 5729 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:51 | 39:49 | 0 | 0.930 | 6353148 | 1181324 | 197 | 492 | 5997 | | |
| 361.8385 | 39:51 | 39:49 | 0 | 0.930 | 5046906 | 956796 | 167 | 417 | 5729 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:51 | 39:49 | 0 | 0.930 | 6353148 | 1181324 | 197 | 492 | 5997 | | |
| 361.8385 | 39:51 | 39:49 | 0 | 0.930 | 5046906 | 956796 | 167 | 417 | 5729 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:51 | 39:49 | 0 | 0.930 | 6353148 | 1181324 | 197 | 492 | 5997 | | |
| 361.8385 | 39:51 | 39:49 | 0 | 0.930 | 5046906 | 956796 | 167 | 417 | 5729 | 1.26(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:14 | 40:13 | 1 | 0.940 | 634251 | 115065 | 197 | 492 | 584 | | |
| 361.8385 | 40:14 | 40:13 | 1 | 0.940 | 490066 | 91111 | 167 | 417 | 546 | 1.29(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:06 | 41:06 | 2 | 0.960 | 685785 | 134304 | 197 | 492 | 682 | | |
| 361.8385 | 41:06 | 41:06 | 2 | 0.960 | 538599 | 105638 | 167 | 417 | 633 | 1.27(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:06 | 41:06 | 2 | 0.960 | 685785 | 134304 | 197 | 492 | 682 | | |
| 361.8385 | 41:06 | 41:06 | 2 | 0.960 | 538599 | 105638 | 167 | 417 | 633 | 1.27(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:03 | 42:02 | -1 | 0.982 | 110229 | 21453 | 197 | 492 | 109 | | |
| 361.8385 | 42:04 | 42:02 | -1 | 0.982 | 87392 | 17576 | 167 | 417 | 105 | 1.26(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | Ma |
| 359.8415 | 42:23 | 42:21 | 1 | 0.990 | 22975 | 4814 | 197 | 492 | 24 | | M |
| 361.8385 | 42:24 | 42:21 | 2 | 0.990 | 19096 | 3821 | 167 | 417 | 23 | 1.20(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:51 | 42:50 | 0 | 1.001 | 230924 | 46488 | 197 | 492 | 236 | | |
| 361.8385 | 42:51 | 42:50 | 0 | 1.001 | 182244 | 36382 | 167 | 417 | 218 | 1.27(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:59 | 43:59 | -1 | 1.000 | 681459 | 124709 | 197 | 492 | 633 | | |
| 361.8385 | 43:59 | 43:59 | -1 | 1.000 | 550954 | 100768 | 167 | 417 | 603 | 1.24(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:59 | 43:59 | -1 | 1.000 | 681459 | 124709 | 197 | 492 | 633 | | |
| 361.8385 | 43:59 | 43:59 | -1 | 1.000 | 550954 | 100768 | 167 | 417 | 603 | 1.24(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | Ma |
| 359.8415 | 47:11 | 47:12 | -2 | 0.999 | 17304 | 3553 | 197 | 492 | 18 | | M |
| 361.8385 | 47:11 | 47:12 | -2 | 0.999 | 13110 | 2524 | 167 | 417 | 15 | 1.32(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:14 | 37:13 | 0 | 0.820 | 286389 | 57778 | 65 | 162 | 889 | | |
| 407.8398 | 37:14 | 37:13 | 0 | 0.820 | 277438 | 57196 | 61 | 152 | 938 | 1.03(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:17 | 40:15 | 1 | 0.888 | 221487 | 44718 | 65 | 162 | 688 | | |
| 407.8398 | 40:17 | 40:15 | 0 | 0.888 | 207258 | 41767 | 61 | 152 | 685 | 1.07(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:23 | 45:22 | 0 | | 278722 | 54659 | 65 | 162 | 841 | | |
| 407.8398 | 45:23 | 45:22 | 0 | | 258130 | 48542 | 61 | 152 | 796 | 1.08(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:38 | 46:36 | 1 | 1.028 | 185986 | 36418 | 65 | 162 | 560 | | |
| 407.8398 | 46:38 | 46:36 | 1 | 1.028 | 165423 | 33898 | 61 | 152 | 556 | 1.12(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:45 | 49:43 | 1 | 1.096 | 389665 | 77304 | 681 | 1702 | 114 | | |
| 407.8398 | 49:45 | 49:43 | 1 | 1.096 | 385932 | 78516 | 582 | 1455 | 135 | 1.01(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:15 | 37:13 | 1 | 1.001 | 26443 | 5005 | 27 | 67 | 185 | | |
| 395.7995 | 37:15 | 37:13 | 1 | 1.001 | 23277 | 4511 | 30 | 75 | 150 | 1.14(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:35 | 37:34 | 0 | 1.009 | 1169745 | 233565 | 27 | 67 | 8651 | | |
| 395.7995 | 37:35 | 37:34 | 0 | 1.009 | 1116977 | 226954 | 30 | 75 | 7565 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:06 | | | | | | 27 | 67 | | | |
| 395.7995 | 38:06 | | | | | | 30 | 75 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:28 | 38:26 | 1 | 1.033 | 285566 | 57463 | 27 | 67 | 2128 | | |
| 395.7995 | 38:28 | 38:26 | 1 | 1.033 | 273462 | 53408 | 30 | 75 | 1780 | 1.04(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:53 | | | | | | 27 | 67 | | | |
| 395.7995 | 38:53 | | | | | | 30 | 75 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:19 | 40:17 | 1 | 1.083 | 494024 | 99018 | 27 | 67 | 3667 | | |
| 395.7995 | 40:19 | 40:17 | 1 | 1.083 | 466633 | 93342 | 30 | 75 | 3111 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:57 | 40:54 | 1 | 1.100 | 65684 | 13264 | 27 | 67 | 491 | | |
| 395.7995 | 40:57 | 40:54 | 1 | 1.100 | 61674 | 12615 | 30 | 75 | 421 | 1.07(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:13 | 41:11 | 1 | 1.107 | 2678326 | 546113 | 27 | 67 | 20226 | | |
| 395.7995 | 41:13 | 41:11 | 1 | 1.107 | 2542867 | 522735 | 30 | 75 | 17425 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:25 | 41:23 | 0 | 1.112 | 32489 | 5201 | 27 | 67 | 193 | | |
| 395.7995 | 41:25 | 41:23 | 0 | 1.112 | 32277 | 5103 | 30 | 75 | 170 | 1.01(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:47 | 0 | 1.123 | 1085896 | 186314 | 27 | 67 | 6901 | | |
| 395.7995 | 41:49 | 41:47 | 0 | 1.123 | 1034874 | 178538 | 30 | 75 | 5951 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:49 | 41:47 | 0 | 1.123 | 1085896 | 186314 | 27 | 67 | 6901 | | |
| 395.7995 | 41:49 | 41:47 | 0 | 1.123 | 1034874 | 178538 | 30 | 75 | 5951 | 1.05(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:03 | 42:02 | 0 | 1.130 | 1396791 | 278163 | 27 | 67 | 10302 | | |
| 395.7995 | 42:03 | 42:02 | 0 | 1.130 | 1323932 | 260958 | 30 | 75 | 8699 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:29 | 42:27 | 0 | 1.141 | 1050952 | 202359 | 27 | 67 | 7495 | | |
| 395.7995 | 42:29 | 42:27 | 0 | 1.141 | 988752 | 194136 | 30 | 75 | 6471 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | Ma |
| 393.8025 | 42:53 | 42:53 | 0 | 1.152 | 15236 | 2297 | 27 | 67 | 85 | | M |
| 395.7995 | 42:53 | 42:53 | 0 | 1.152 | 13598 | 2306 | 30 | 75 | 77 | 1.12(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | Ma |
| 393.8025 | 43:08 | 43:08 | 2 | 1.158 | 430605 | 84106 | 27 | 67 | 3115 | | M |
| 395.7995 | 43:08 | 43:08 | 2 | 1.158 | 415410 | 79106 | 30 | 75 | 2637 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-173 (C171) | | | | | | | | | | | Ma |
| 393.8025 | 43:08 | 43:08 | 2 | 1.158 | 430605 | 84106 | 27 | 67 | 3115 | | M |
| 395.7995 | 43:08 | 43:08 | 2 | 1.158 | 415410 | 79106 | 30 | 75 | 2637 | 1.04(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:45 | 44:44 | 0 | 0.900 | 233774 | 43862 | 27 | 67 | 1625 | | |
| 395.7995 | 44:45 | 44:44 | 0 | 0.900 | 225105 | 44824 | 30 | 75 | 1494 | 1.04(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:01 | | | | | | 27 | 67 | | | |
| 395.7995 | 45:01 | | | | | | 30 | 75 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:20 | 3 | 0.913 | 3747925 | 708724 | 27 | 67 | 26249 | | |
| 395.7995 | 45:24 | 45:20 | 3 | 0.913 | 3563762 | 675323 | 30 | 75 | 22511 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:20 | 3 | 0.913 | 3747925 | 708724 | 27 | 67 | 26249 | | |
| 395.7995 | 45:24 | 45:20 | 3 | 0.913 | 3563762 | 675323 | 30 | 75 | 22511 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:45 | 45:44 | 1 | 0.920 | 80807 | 15510 | 27 | 67 | 574 | | |
| 395.7995 | 45:45 | 45:44 | 1 | 0.920 | 78107 | 13763 | 30 | 75 | 459 | 1.03(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:39 | 46:38 | 1 | 0.938 | 1285173 | 248112 | 27 | 67 | 9189 | | |
| 395.7995 | 46:39 | 46:38 | 0 | 0.938 | 1235995 | 241129 | 30 | 75 | 8038 | 1.04(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:11 | 47:09 | 1 | 0.948 | 384370 | 73184 | 27 | 67 | 2711 | | |
| 395.7995 | 47:11 | 47:09 | 1 | 0.948 | 359938 | 68621 | 30 | 75 | 2287 | 1.07(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:46 | 49:45 | 1 | 1.001 | 111371 | 20692 | 96 | 240 | 216 | | |
| 395.7995 | 49:46 | 49:45 | 1 | 1.001 | 104627 | 20736 | 101 | 252 | 205 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:36 | 42:35 | 0 | 0.821 | 241204 | 47304 | 98 | 245 | 483 | | |
| 441.8008 | 42:36 | 42:35 | 0 | 0.821 | 258174 | 50915 | 162 | 405 | 314 | 0.93(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:52 | 51:51 | 1 | | 292835 | 57012 | 281 | 702 | 203 | | |
| 441.8008 | 51:52 | 51:51 | 1 | | 313021 | 61042 | 331 | 827 | 184 | 0.94(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:20 | 52:19 | 0 | 1.009 | 282159 | 52602 | 281 | 702 | 187 | | |
| 441.8008 | 52:20 | 52:19 | 1 | 1.009 | 314274 | 59746 | 331 | 827 | 181 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:38 | 42:36 | 1 | 1.001 | 175653 | 33724 | 40 | 100 | 843 | | |
| 429.7606 | 42:38 | 42:36 | 1 | 1.001 | 190693 | 37830 | 48 | 120 | 788 | 0.92(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:33 | 43:31 | 0 | 1.022 | 122881 | 24305 | 40 | 100 | 608 | | |
| 429.7606 | 43:33 | 43:31 | 0 | 1.022 | 131954 | 25636 | 48 | 120 | 534 | 0.93(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:14 | | | | | | 40 | 100 | | | |
| 429.7606 | 44:14 | | | | | | 48 | 120 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-197 | | | | | | | | | | | RQ |
| 427.7635 | 44:28 | 44:25 | 1 | 1.044 | 42242 | 8671 | 40 | 100 | 217 | | |
| | Empc Correction | | | | 32803 | 8446 | 40 | 100 | 211 | | |
| 429.7606 | 44:27 | 44:25 | 0 | 1.043 | 36858 | 9490 | 48 | 120 | 198 | 1.15(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:33 | 44:29 | 0 | 1.046 | 108226 | 21138 | 40 | 100 | 528 | | |
| 429.7606 | 44:33 | 44:29 | 0 | 1.046 | 121915 | 21024 | 48 | 120 | 438 | 0.89(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:22 | 2 | 1.112 | 644373 | 118484 | 40 | 100 | 2962 | | |
| 429.7606 | 47:22 | 47:22 | 2 | 1.112 | 708981 | 131705 | 48 | 120 | 2744 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:22 | 2 | 1.112 | 644373 | 118484 | 40 | 100 | 2962 | | |
| 429.7606 | 47:22 | 47:22 | 2 | 1.112 | 708981 | 131705 | 48 | 120 | 2744 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:01 | 48:00 | 0 | 0.918 | 332451 | 64084 | 40 | 100 | 1602 | | |
| 429.7606 | 48:01 | 48:00 | 0 | 0.918 | 365673 | 70531 | 48 | 120 | 1469 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:13 | 48:12 | 0 | 0.921 | 433159 | 84373 | 40 | 100 | 2109 | | |
| 429.7606 | 48:13 | 48:12 | 0 | 0.921 | 468477 | 94447 | 48 | 120 | 1968 | 0.92(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:32 | 49:31 | 0 | 0.947 | 314013 | 61900 | 129 | 322 | 480 | | |
| 429.7606 | 49:32 | 49:31 | 0 | 0.947 | 352069 | 67872 | 77 | 192 | 881 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:53 | 51:52 | 1 | 0.991 | 842325 | 159886 | 129 | 322 | 1239 | | |
| 429.7606 | 51:53 | 51:52 | 1 | 0.991 | 917793 | 173649 | 77 | 192 | 2255 | 0.92(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:21 | 52:20 | 1 | 1.000 | 61137 | 11258 | 129 | 322 | 87 | | |
| 429.7606 | 52:21 | 52:20 | 1 | 1.000 | 61667 | 11767 | 77 | 192 | 153 | 0.99(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:17 | 49:16 | 0 | 0.950 | 256899 | 49564 | 297 | 742 | 167 | | |
| 475.7619 | 49:17 | 49:16 | 1 | 0.950 | 309905 | 60032 | 548 | 1370 | 110 | 0.83(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:06 | 54:04 | 0 | 1.043 | 172358 | 32198 | 297 | 742 | 108 | | |
| 475.7619 | 54:06 | 54:04 | 0 | 1.043 | 217422 | 42771 | 548 | 1370 | 78 | 0.79(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:18 | 49:17 | 0 | 1.001 | 170780 | 33499 | 130 | 325 | 258 | | |
| 463.7216 | 49:18 | 49:17 | 0 | 1.001 | 222072 | 43888 | 233 | 582 | 188 | 0.77(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:15 | 50:13 | 1 | 1.020 | 57737 | 11172 | 130 | 325 | 86 | | |
| 463.7216 | 50:15 | 50:13 | 1 | 1.020 | 74061 | 15439 | 233 | 582 | 66 | 0.78(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:07 | 54:03 | 0 | 1.000 | 458835 | 100120 | 130 | 325 | 770 | | |
| 463.7216 | 54:07 | 54:03 | 0 | 1.000 | 563371 | 102012 | 233 | 582 | 438 | 0.81(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:44 | 55:43 | 0 | 1.075 | 203743 | 34852 | 86 | 215 | 405 | | |
| 509.7229 | 55:43 | 55:43 | 0 | 1.074 | 257921 | 46192 | 52 | 130 | 888 | 0.79(0.59-0.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:46 | 55:44 | 0 | 1.000 | 536094 | 95209 | 32 | 80 | 2975 | | |
| 497.6826 | 55:46 | 55:44 | 0 | 1.000 | 763937 | 136724 | 29 | 72 | 4715 | 0.70(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

n - Failed Sig-To-Noise Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

U - Marked Undetected

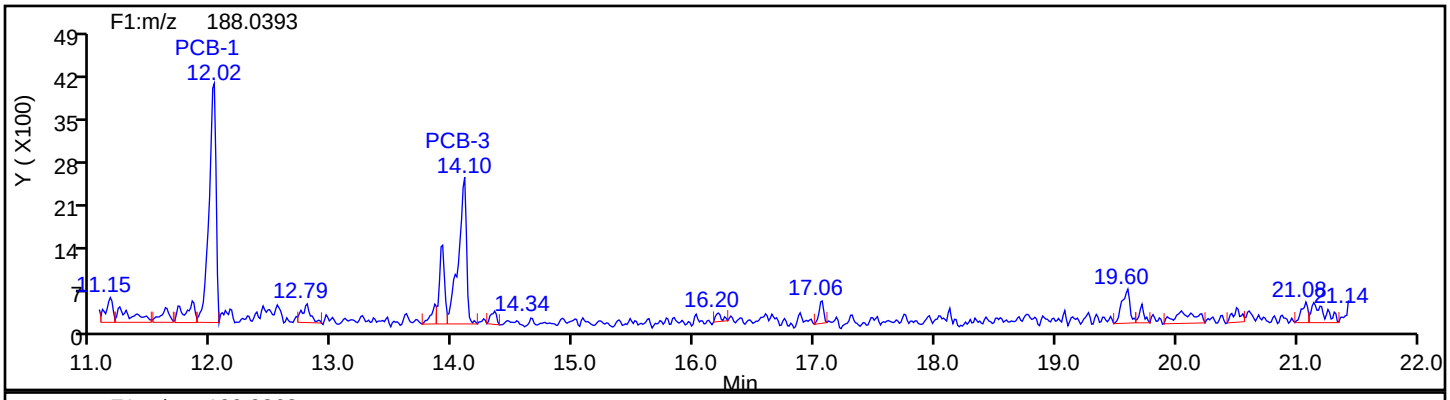
a - User Assigned ID

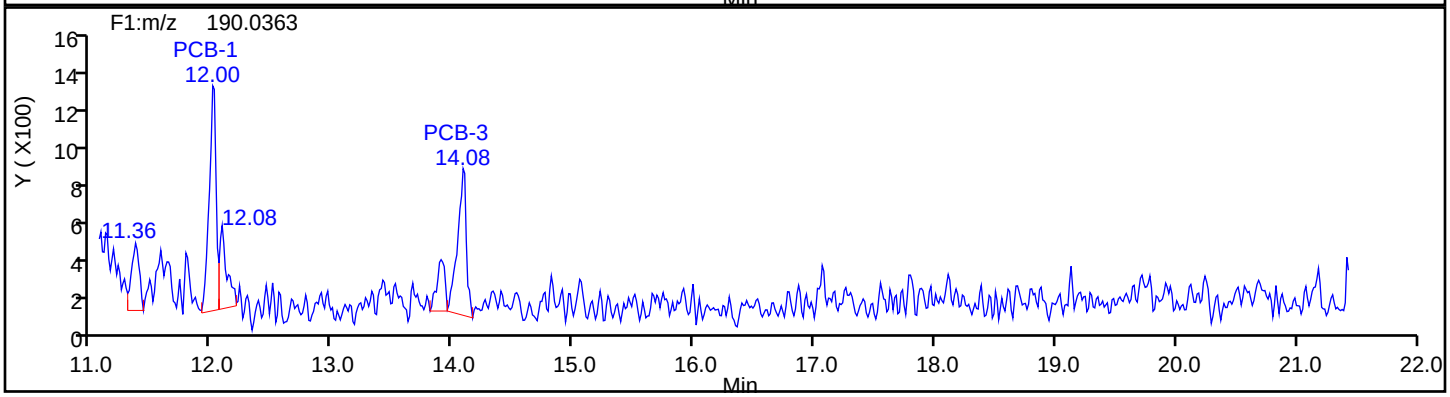
Report Date: 04-Oct-2019 01:31:07 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

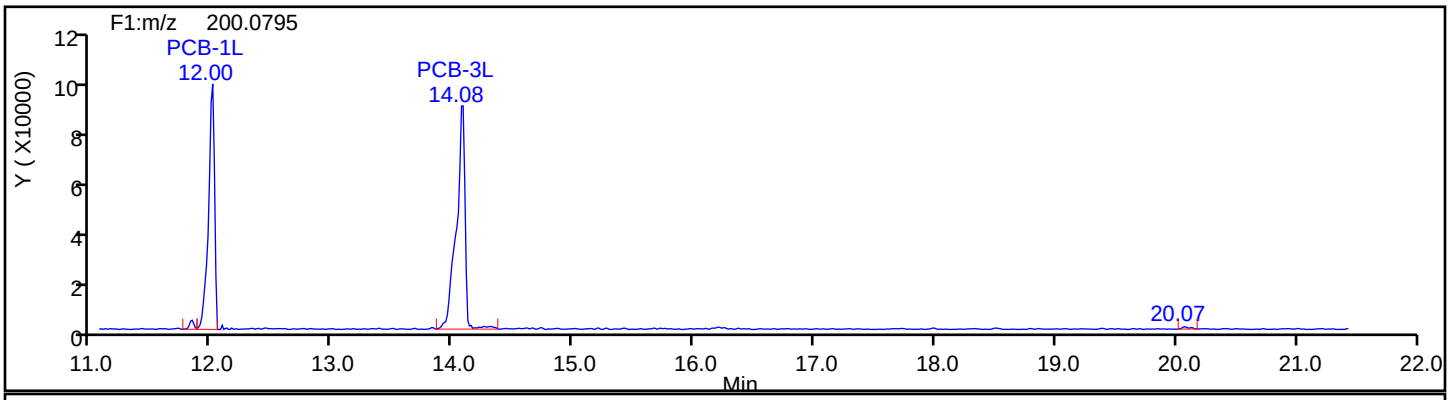
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

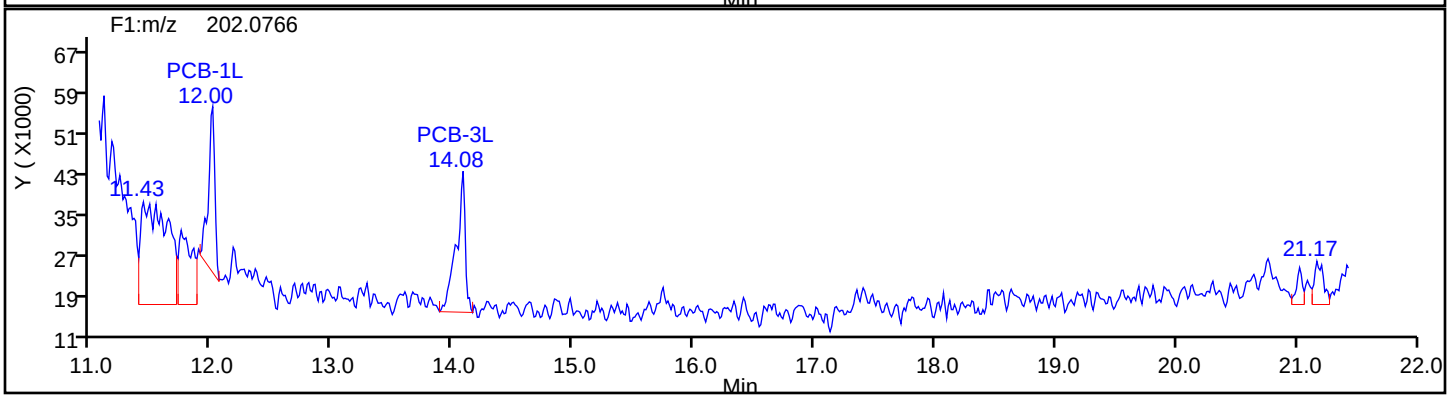
MoPCB F1




MoPCB F1 Standards

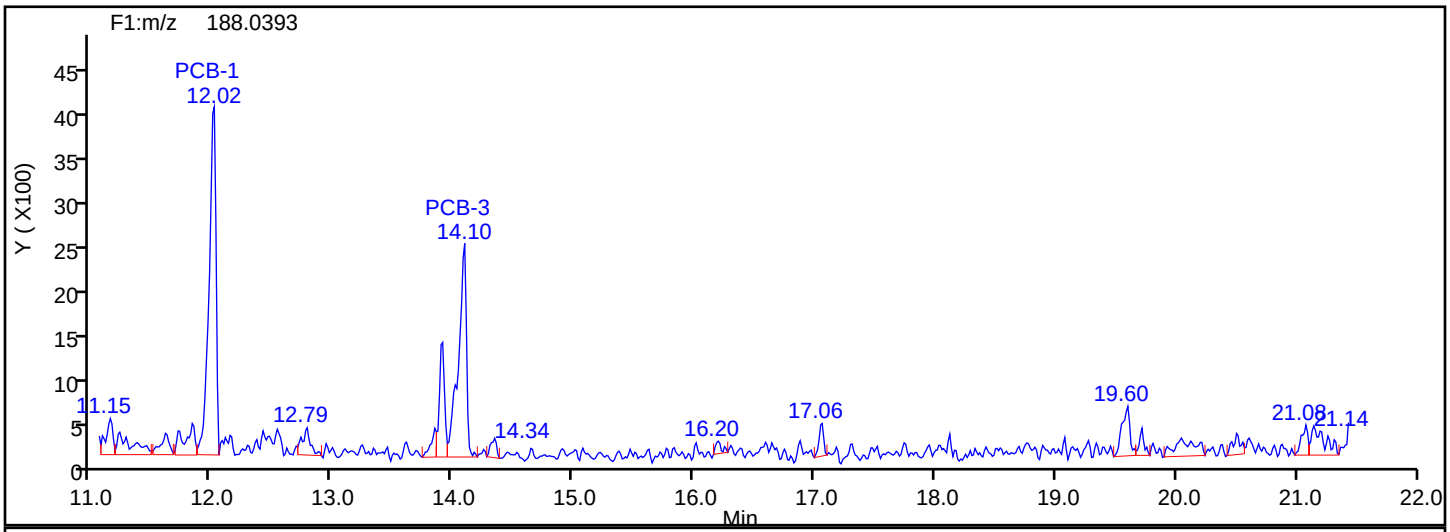


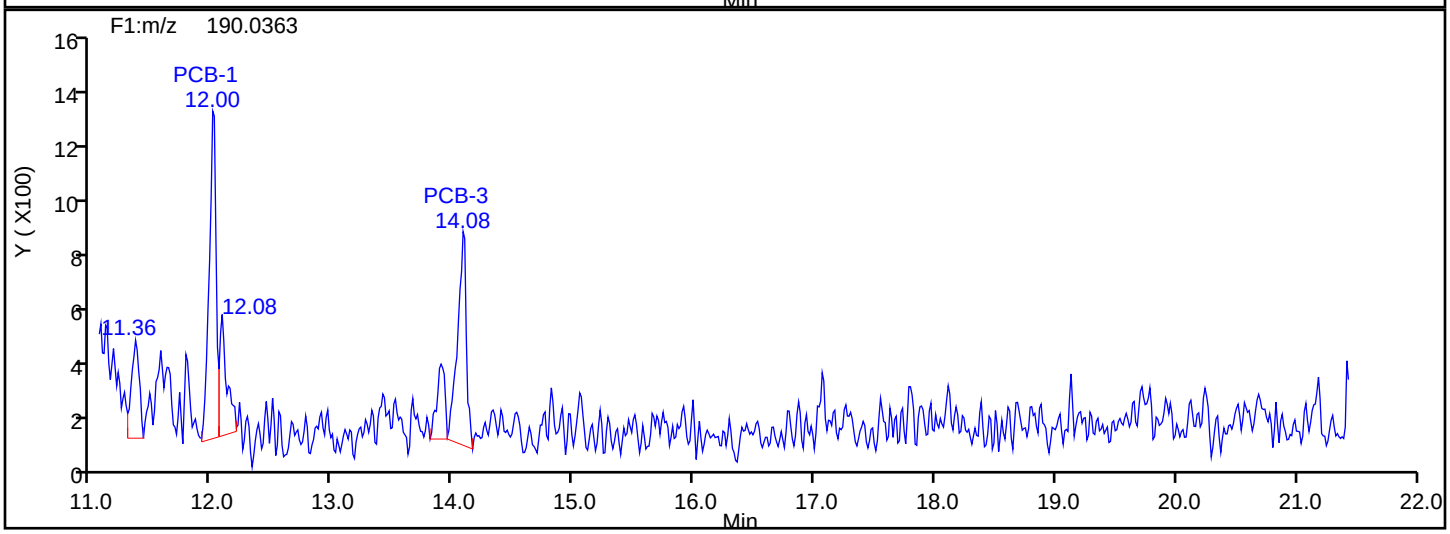



Eurofins TestAmerica, Knoxville

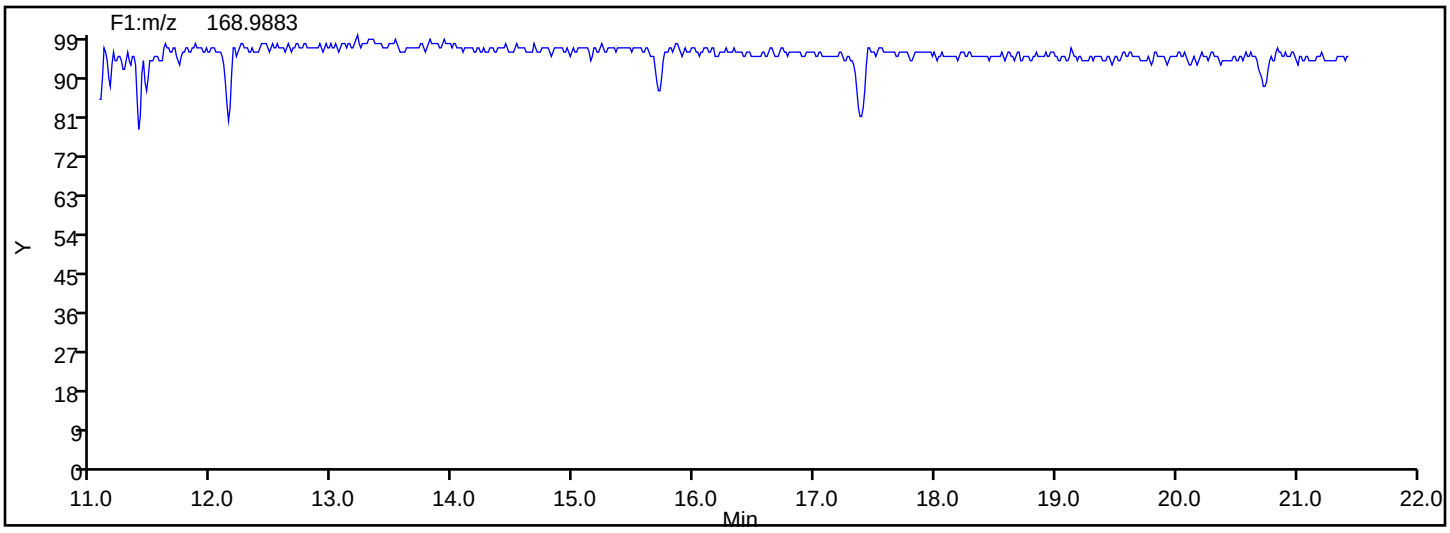
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

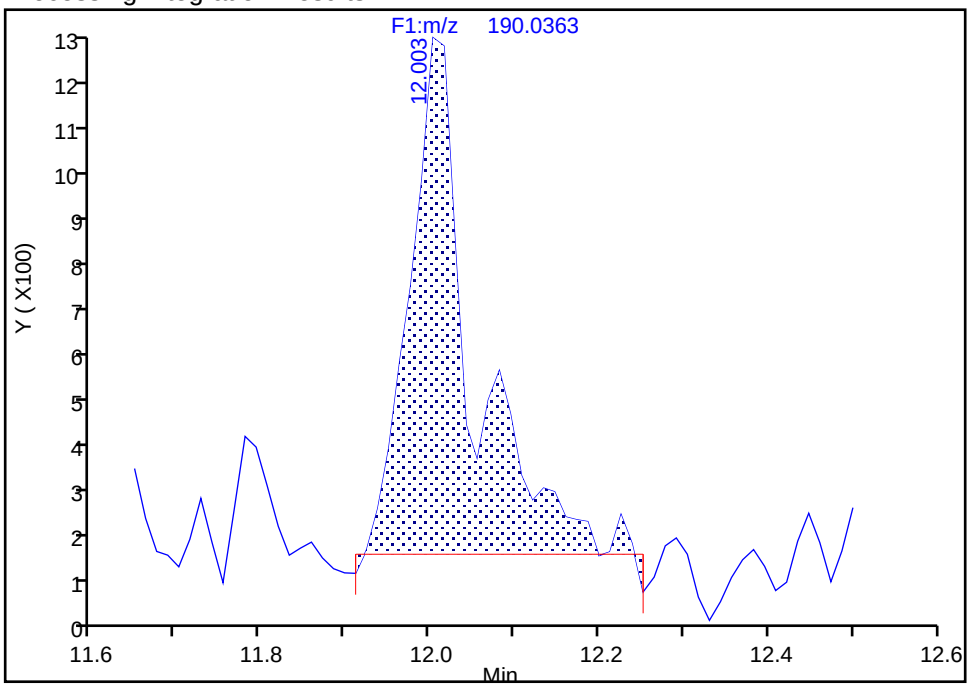
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 2

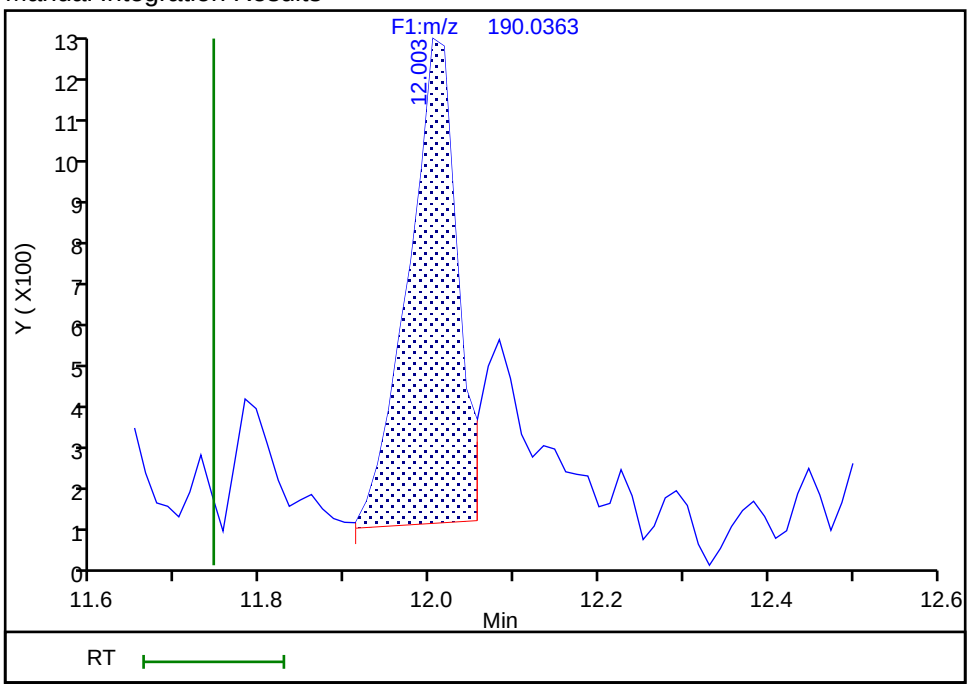
Processing Integration Results

RT: 12.00
Area: 5765
Amount: 0.776591
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 4597
Amount: 0.734098
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:26:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

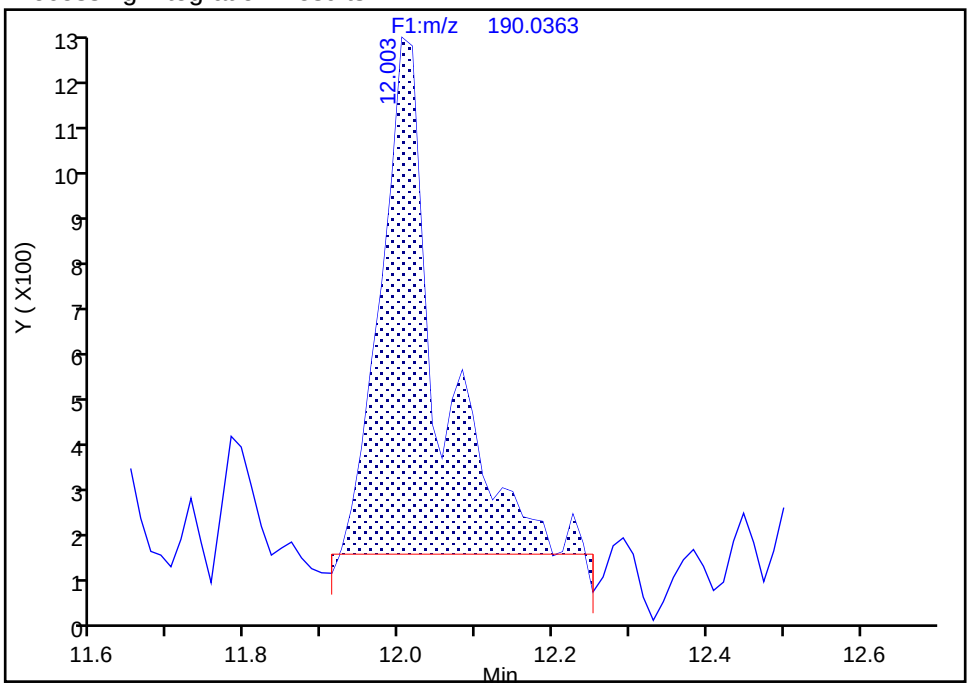
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 3

Processing Integration Results

RT: 12.02
Area: 21346
Amount: 0.776591
Amount Units: pg/ul




Manual Integration Results

RT: 12.02
Area: 20178
Amount: 0.734098
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:26:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

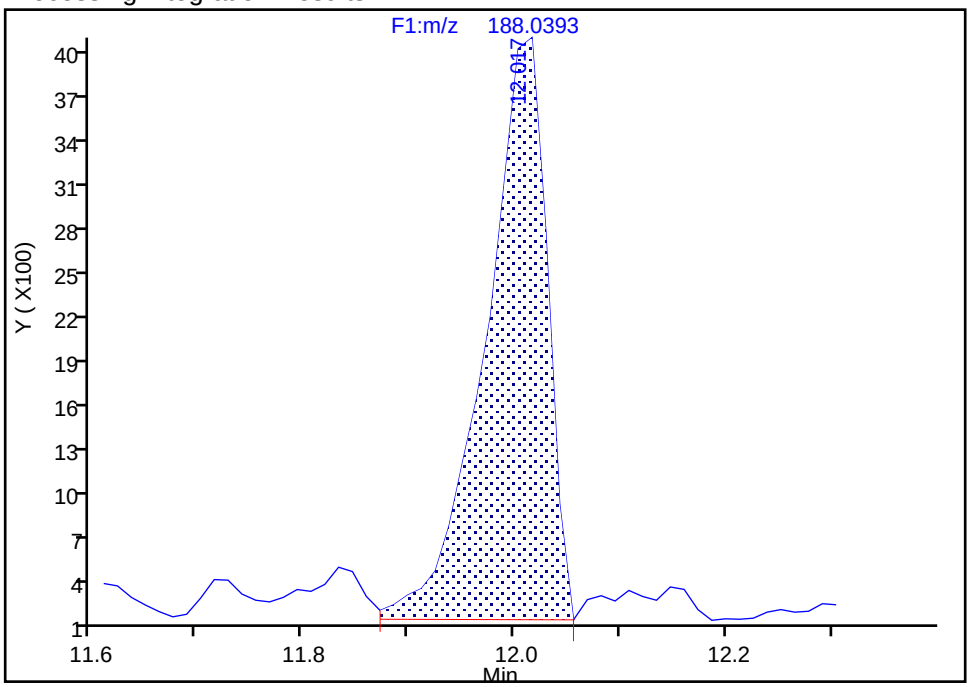
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

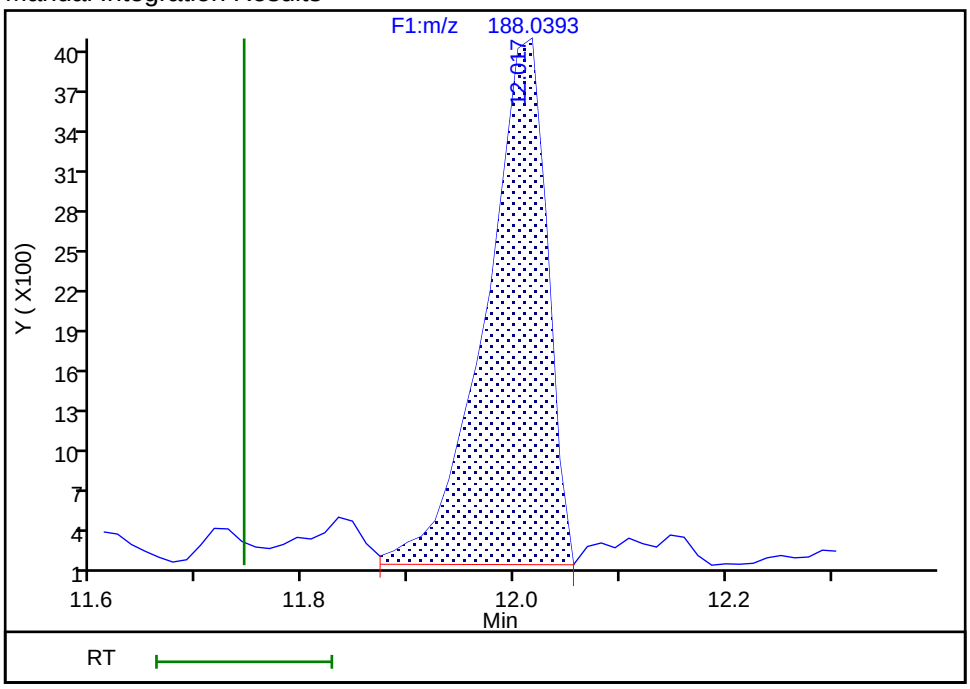
Processing Integration Results

RT: 12.02
Area: 15581
Amount: 0.776591
Amount Units: pg/ul




Manual Integration Results

RT: 12.02
Area: 15581
Amount: 0.734098
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:26:43

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

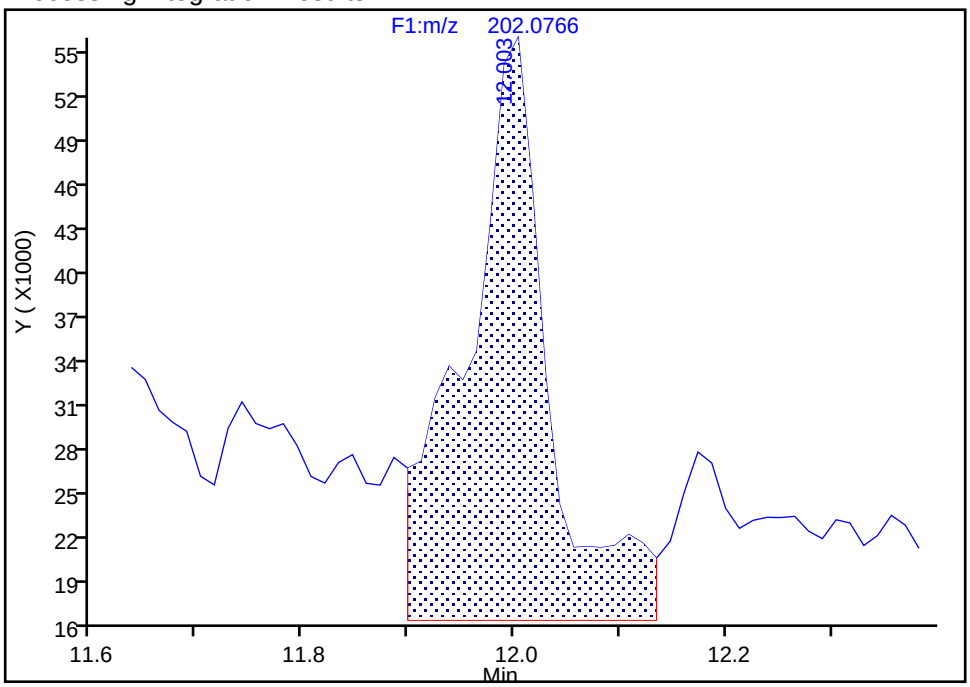
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

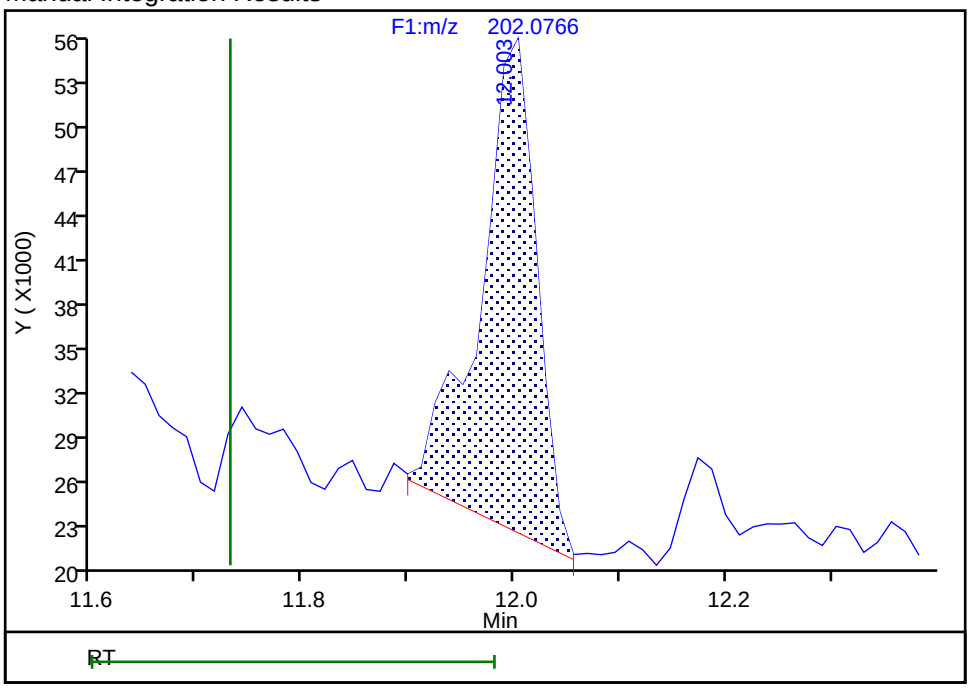
Processing Integration Results

RT: 12.00
Area: 212757
Amount: 11.971319
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 121099
Amount: 9.991761
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:26:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

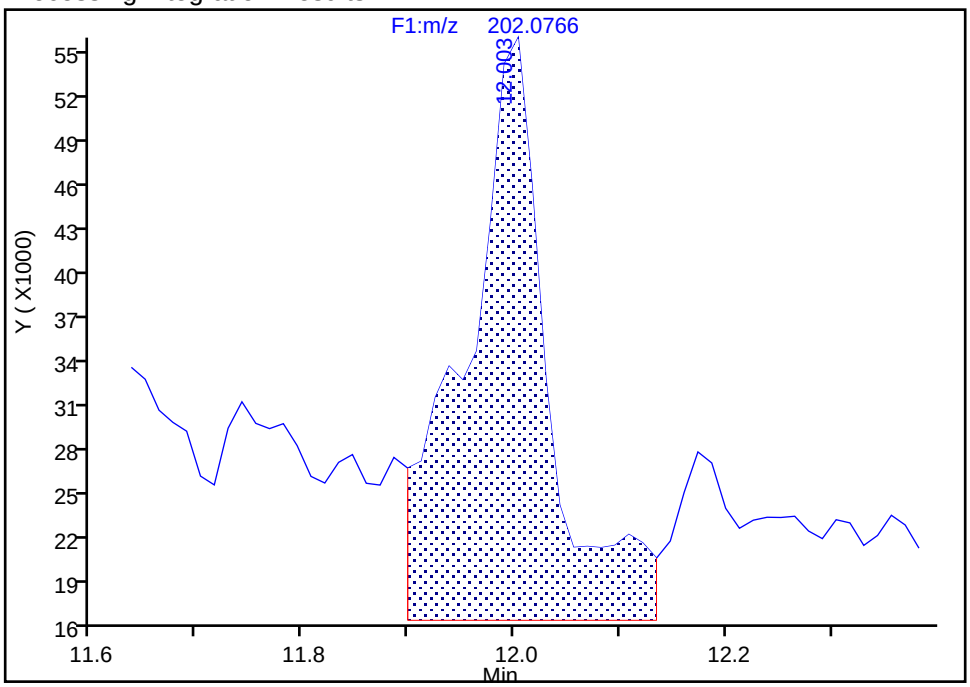
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 3

Processing Integration Results

RT: 12.00
Area: 554299
Amount: 11.971319
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 462641
Amount: 9.991761
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:26:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

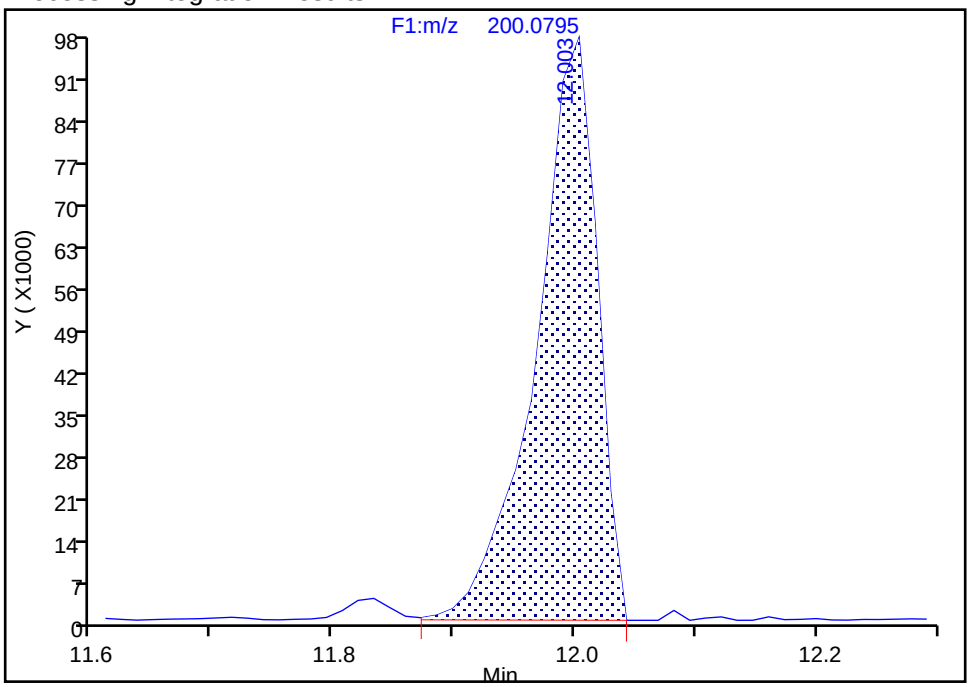
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

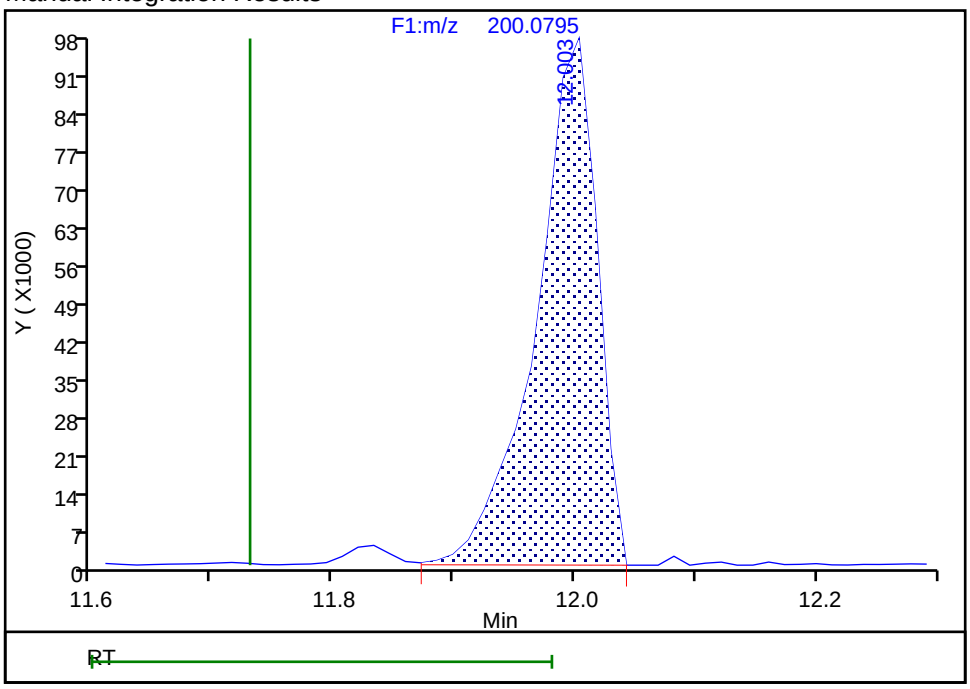
Processing Integration Results

RT: 12.00
Area: 341542
Amount: 11.971319
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 341542
Amount: 9.991761
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:26:15

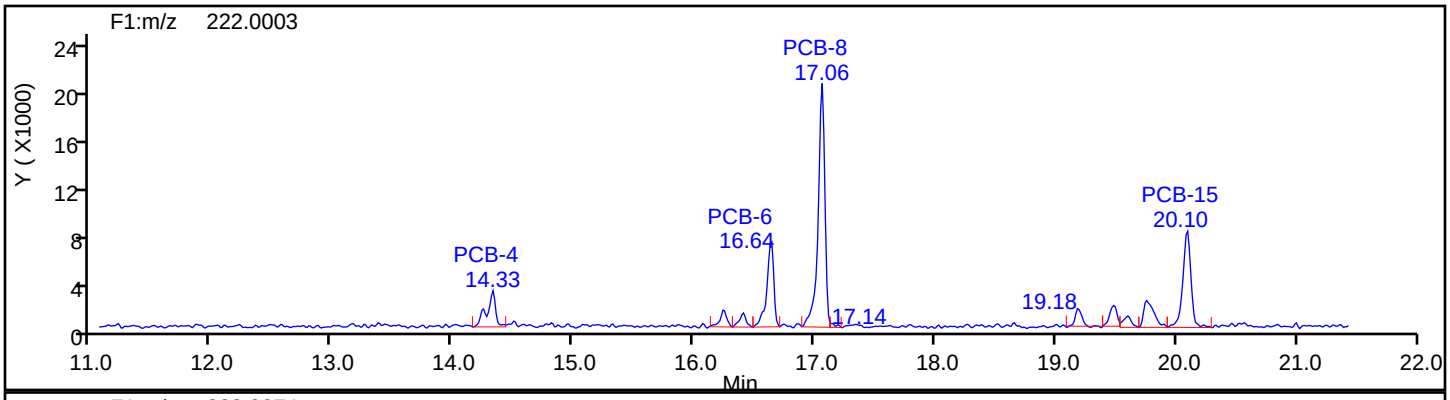
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

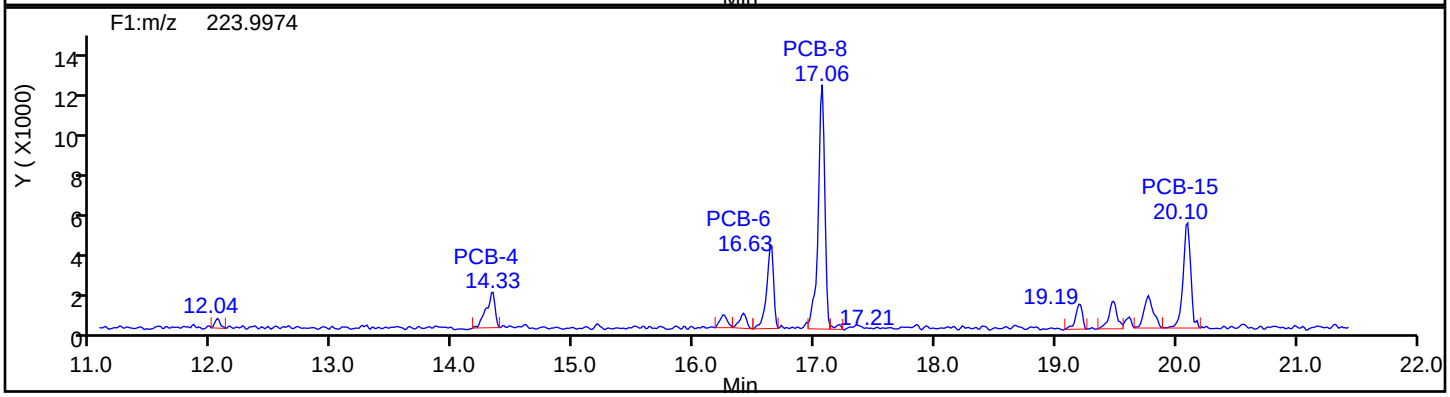
Report Date: 04-Oct-2019 01:31:08 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

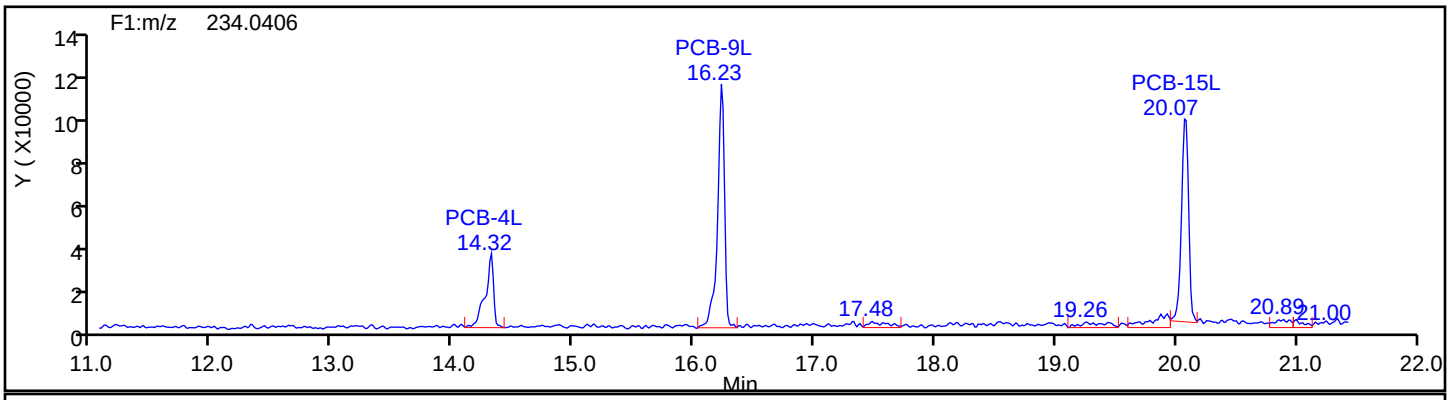
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

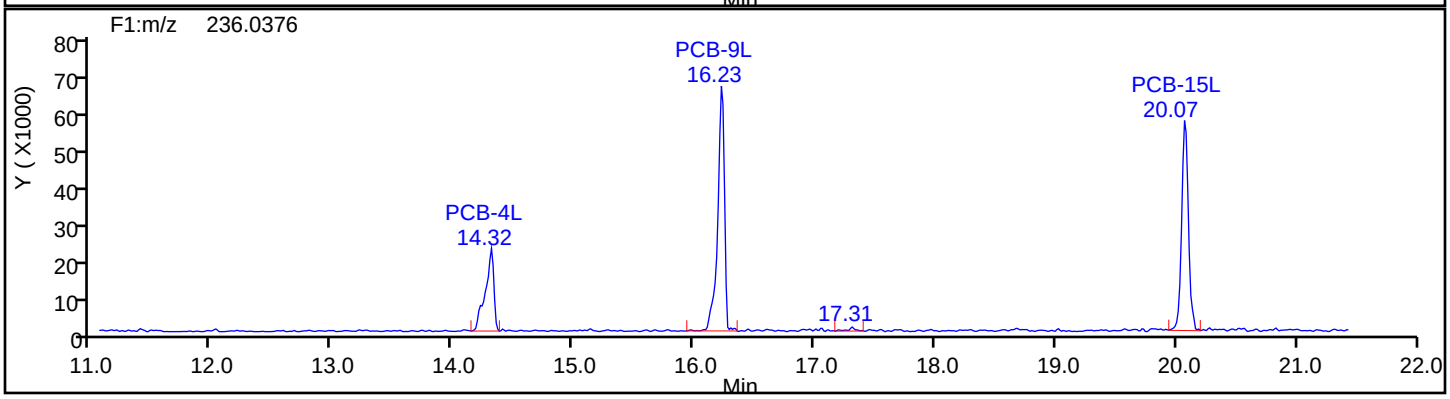
DiPCB F1




DiPCB F1 Standards

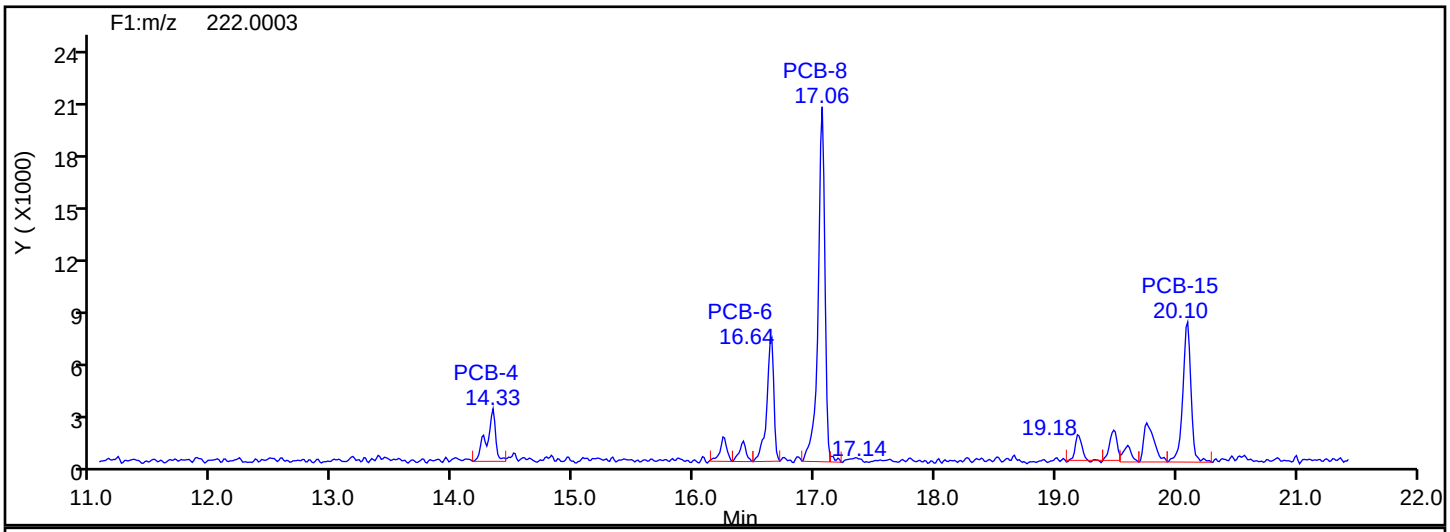


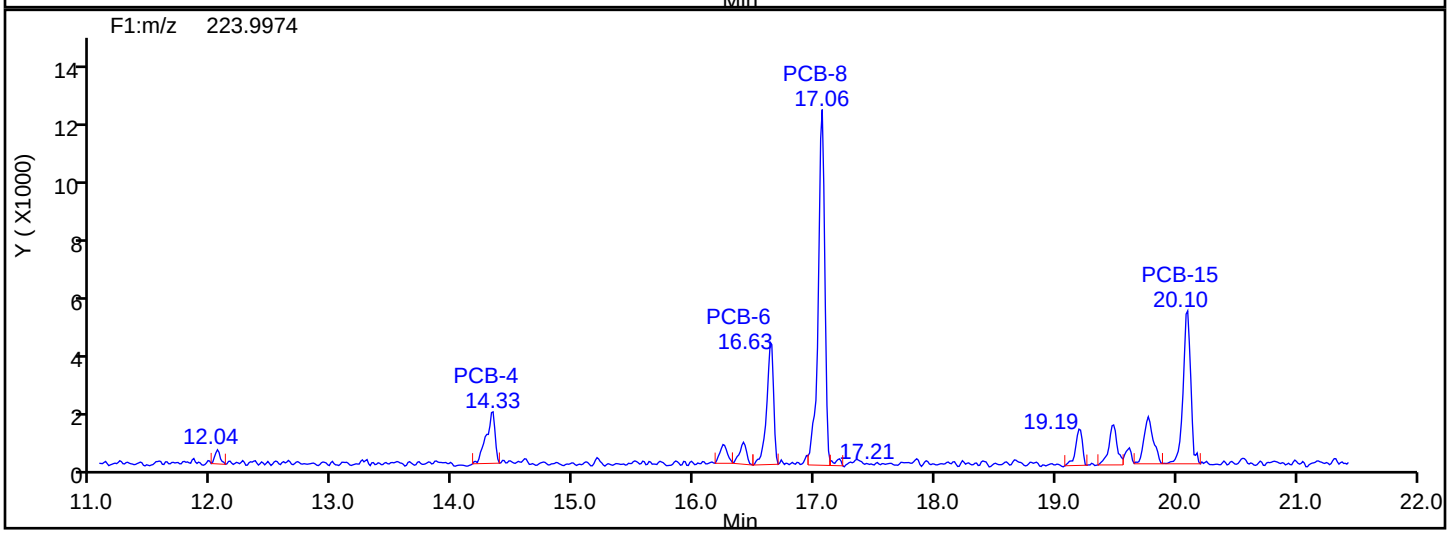



Eurofins TestAmerica, Knoxville

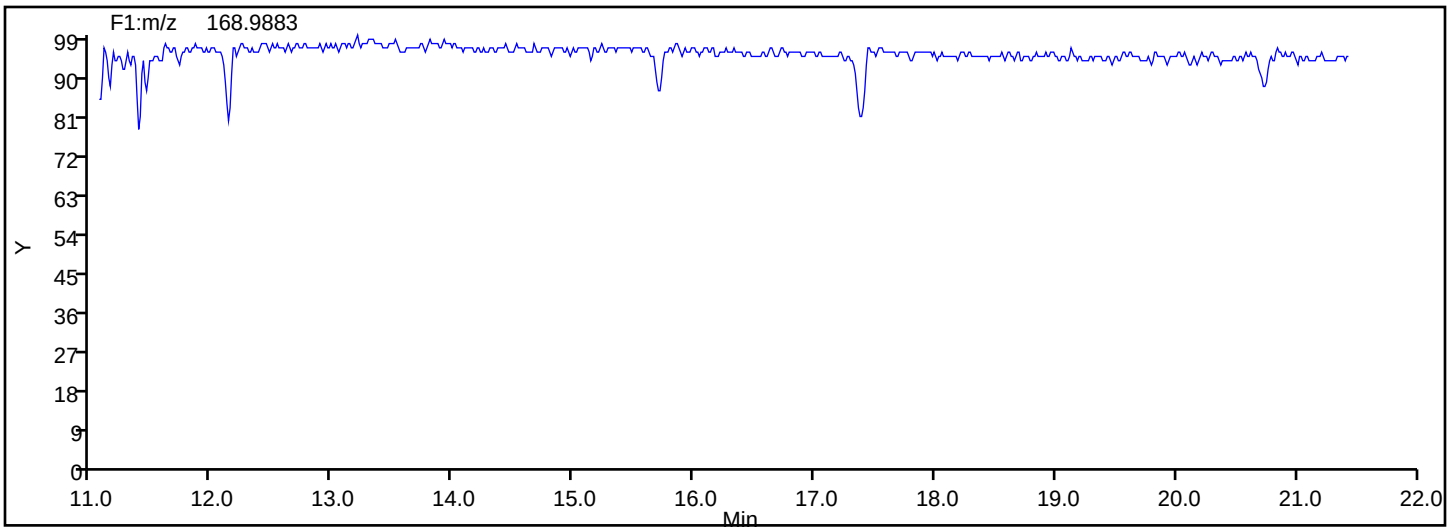
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

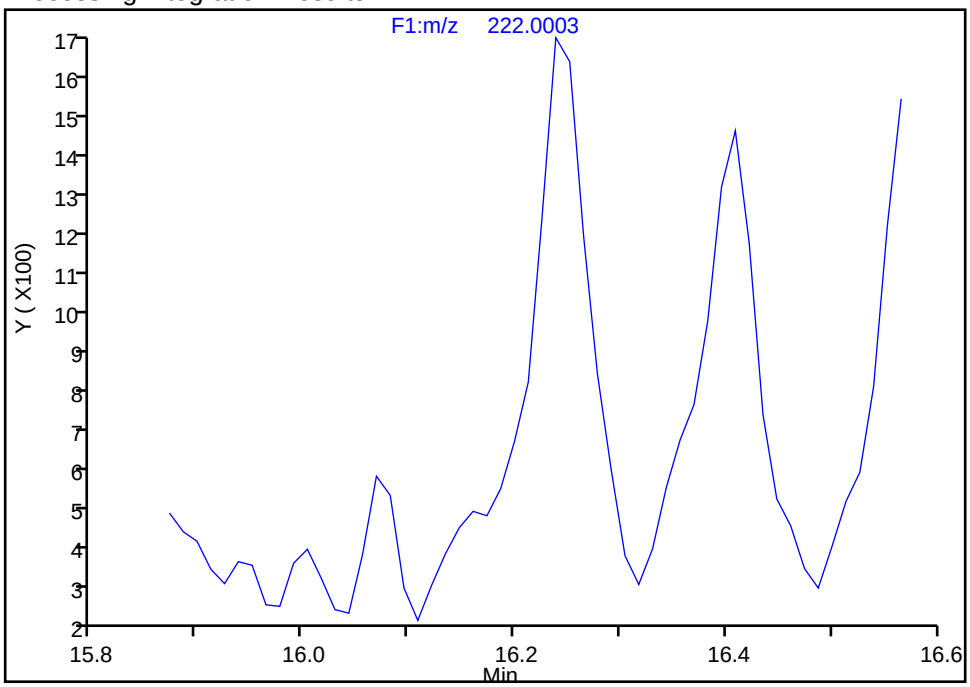
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-9, CAS: 34883-39-1

Signal: 1

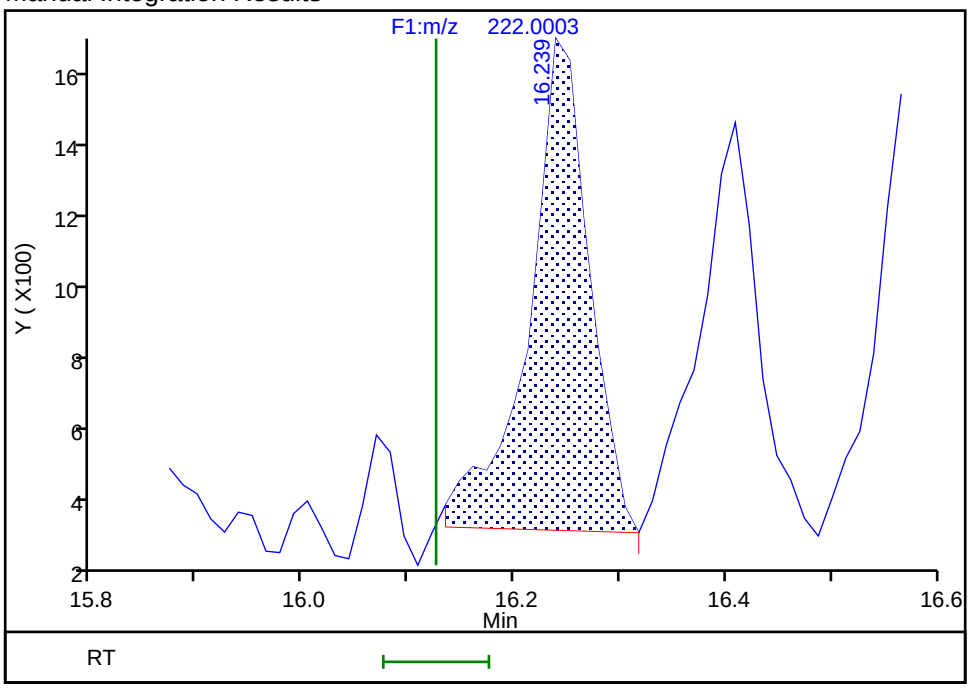
Not Detected
Expected RT: 16.13

Processing Integration Results




Manual Integration Results

RT: 16.24
Area: 5404
Amount: 0.260631
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:29:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

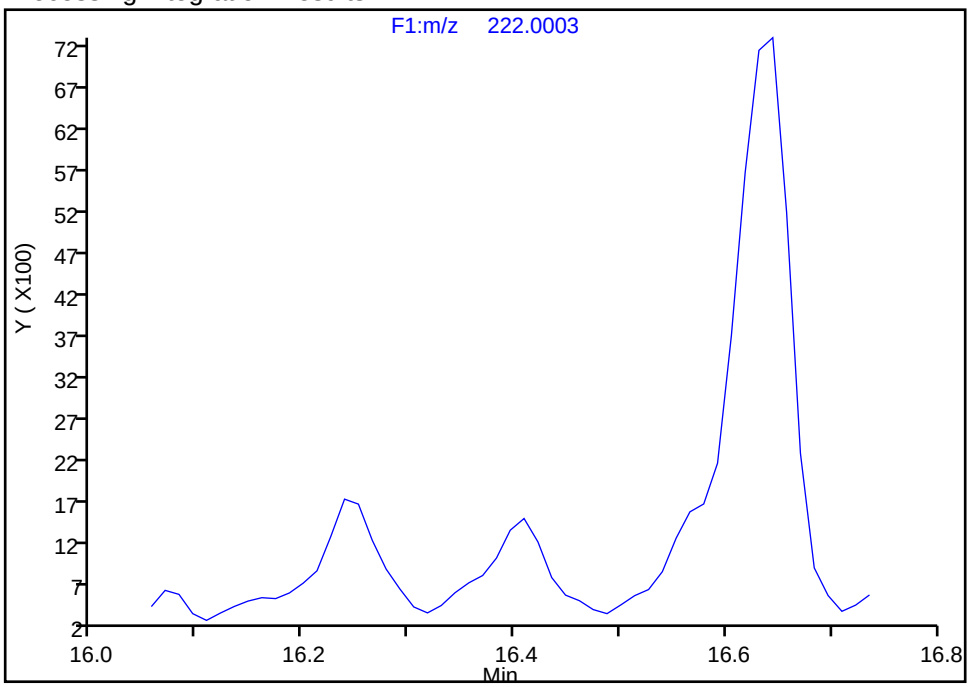
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 1

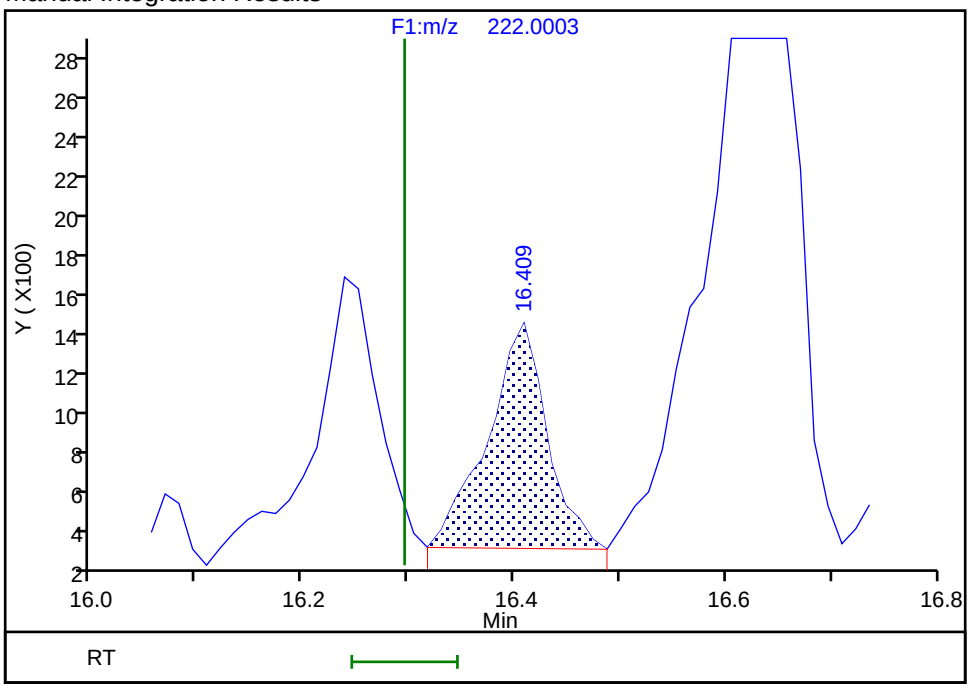
Not Detected
Expected RT: 16.30

Processing Integration Results




Manual Integration Results

RT: 16.41
Area: 4447
Amount: 0.208124
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:29:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

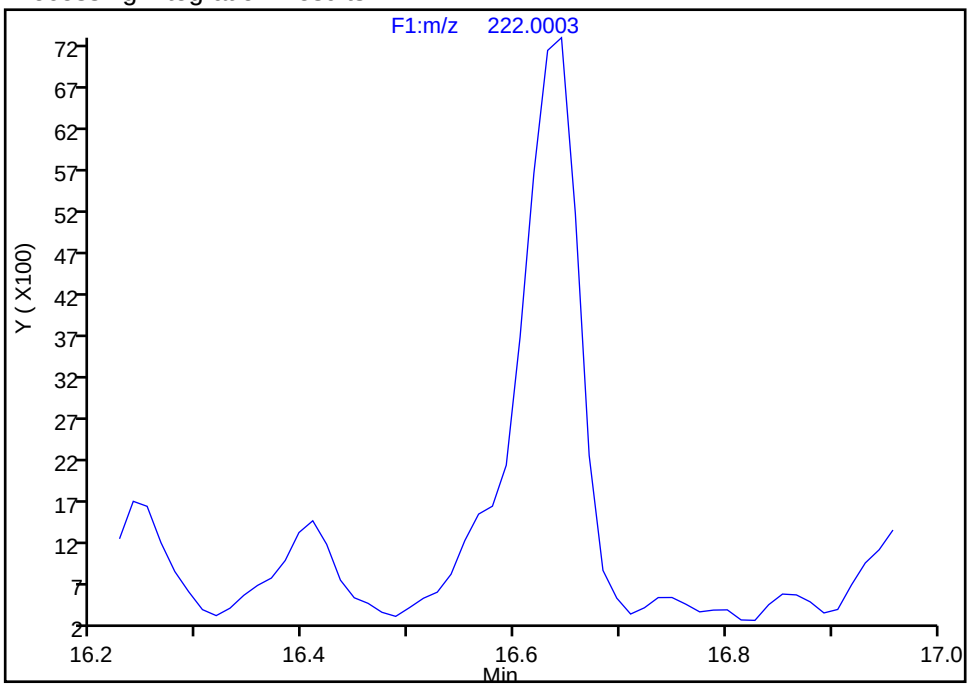
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

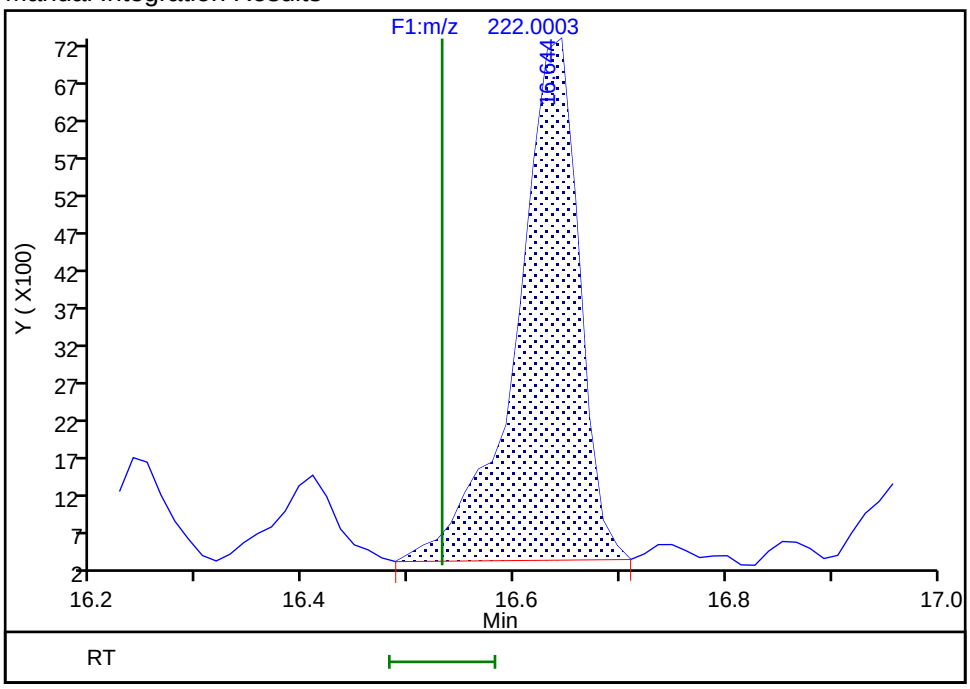
Not Detected
Expected RT: 16.53

Processing Integration Results




Manual Integration Results

RT: 16.64
Area: 28281
Amount: 1.308553
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:29:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

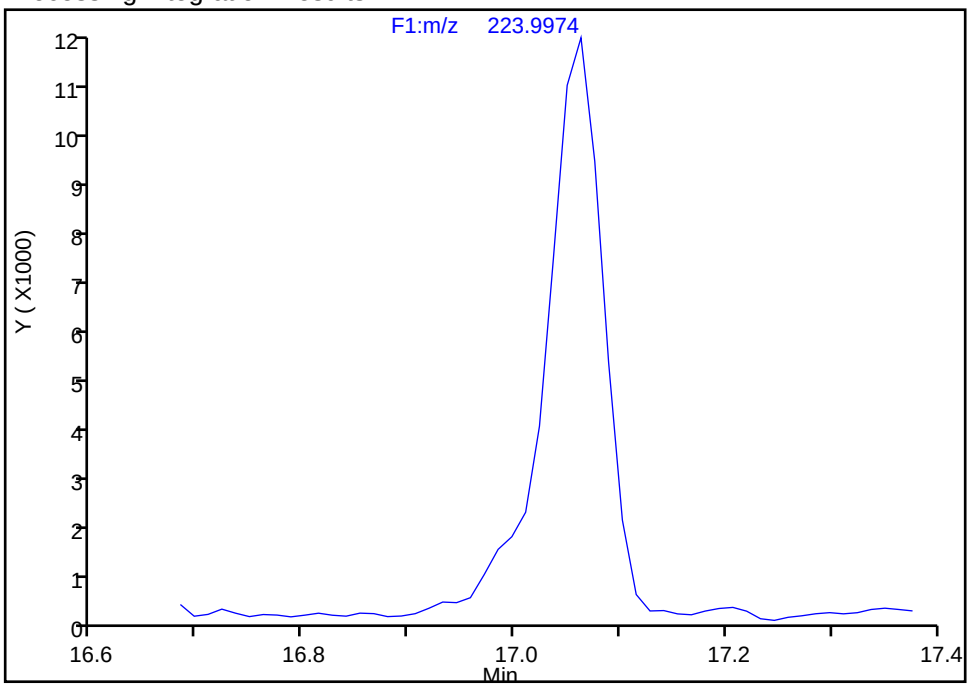
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 2

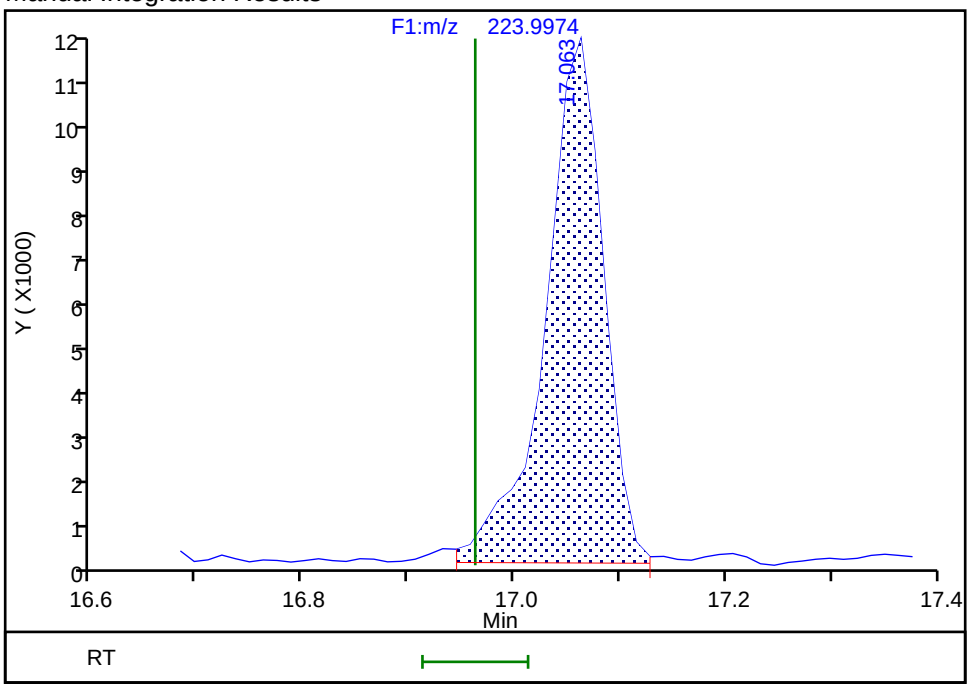
Not Detected
Expected RT: 16.96

Processing Integration Results




Manual Integration Results

RT: 17.06
Area: 44762
Amount: 3.521983
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:30:07
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

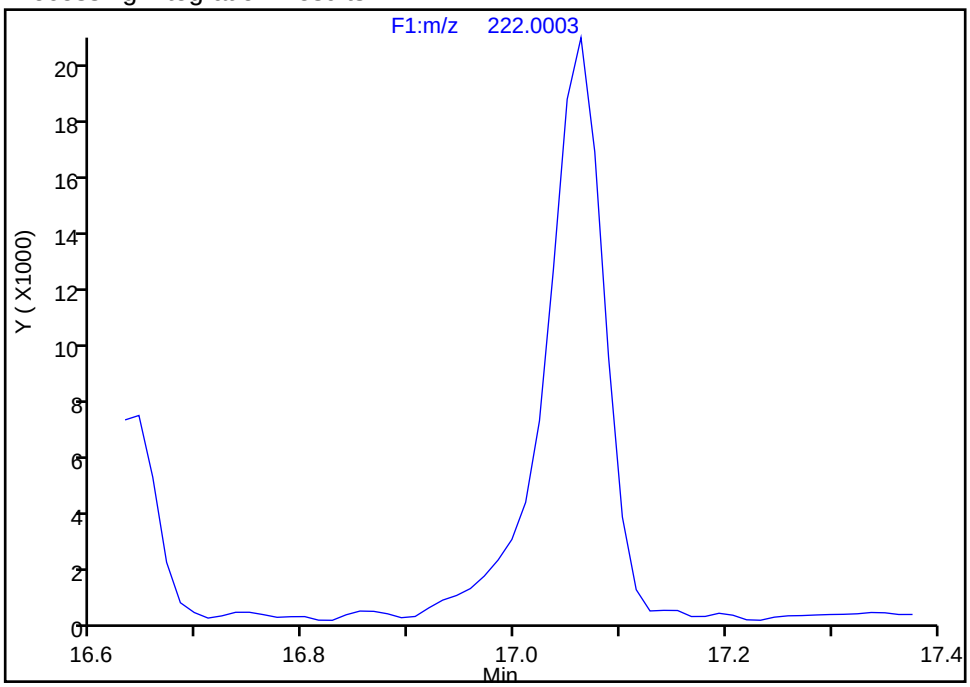
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

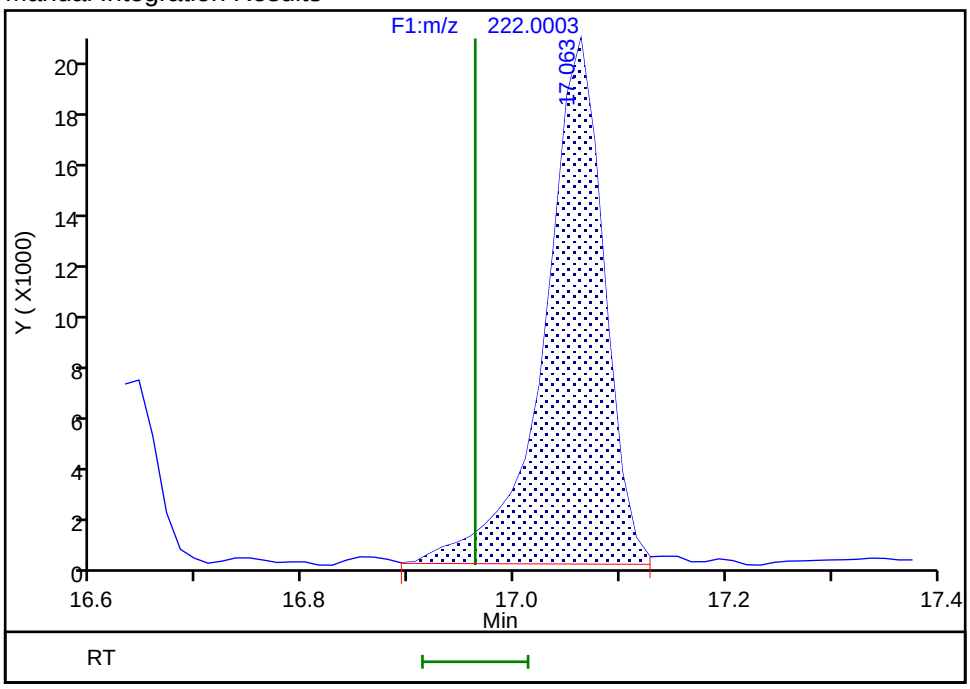
Processing Integration Results

Not Detected
Expected RT: 16.96




Manual Integration Results

RT: 17.06
Area: 77373
Amount: 3.521983
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:30:10
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

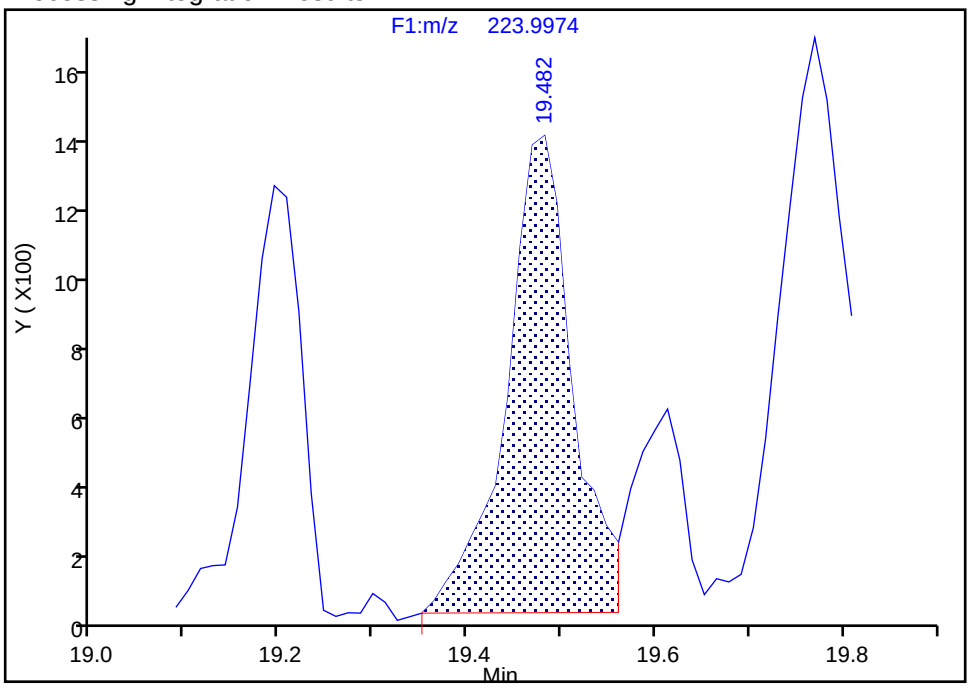
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

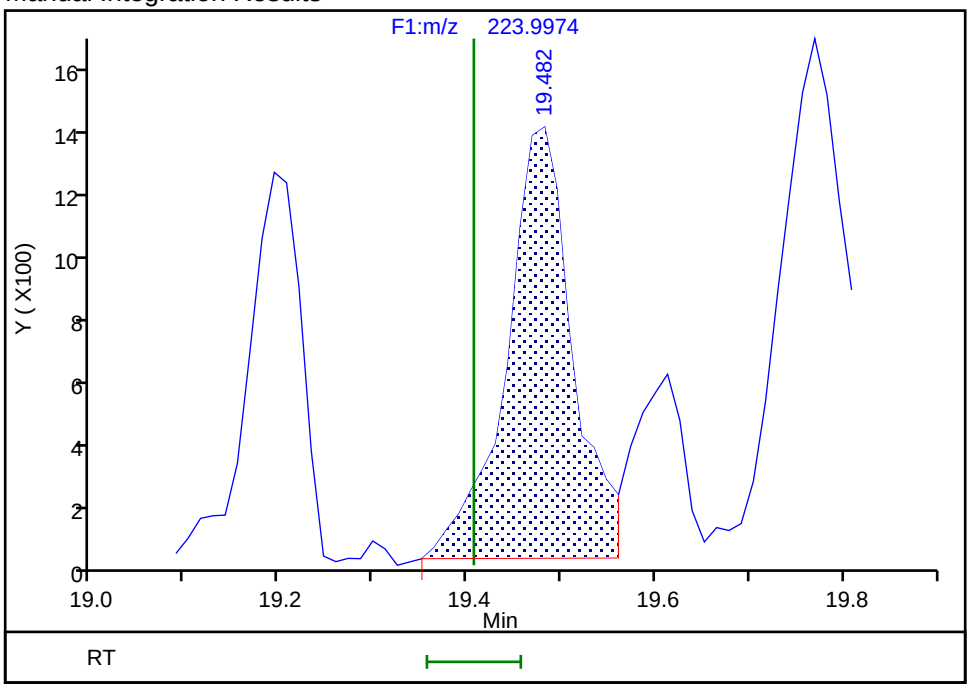
Processing Integration Results

RT: 19.48
Area: 6402
Amount: 0.526747
Amount Units: pg/ul




Manual Integration Results

RT: 19.48
Area: 6402
Amount: 0.382164
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

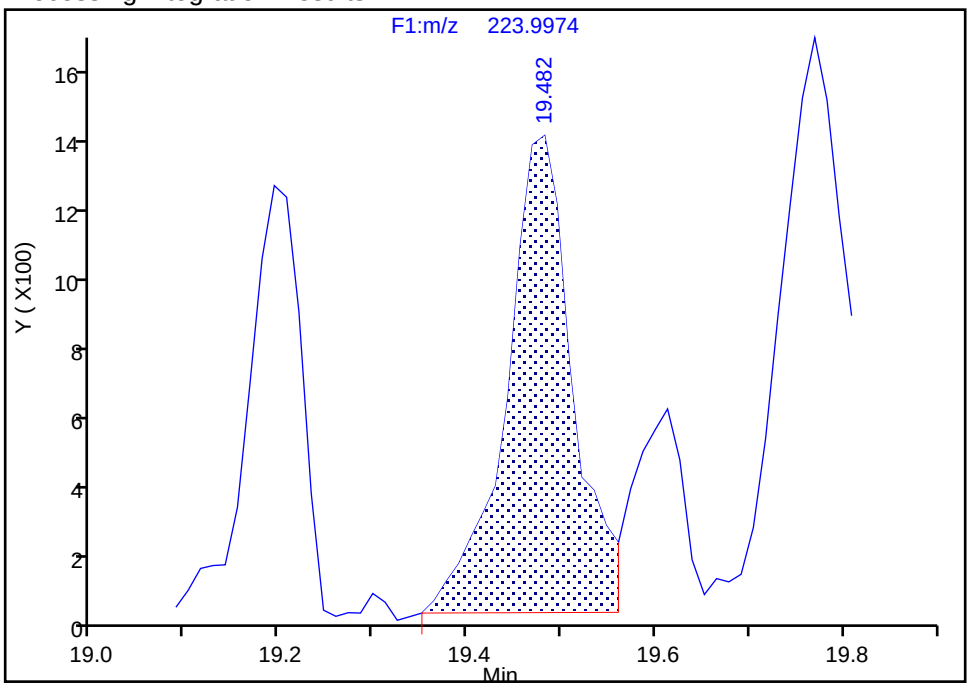
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 3

Processing Integration Results

RT: 19.48
Area: 18799
Amount: 0.526747
Amount Units: pg/ul




Manual Integration Results

RT: 19.48
Area: 13639
Amount: 0.382164
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:54:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

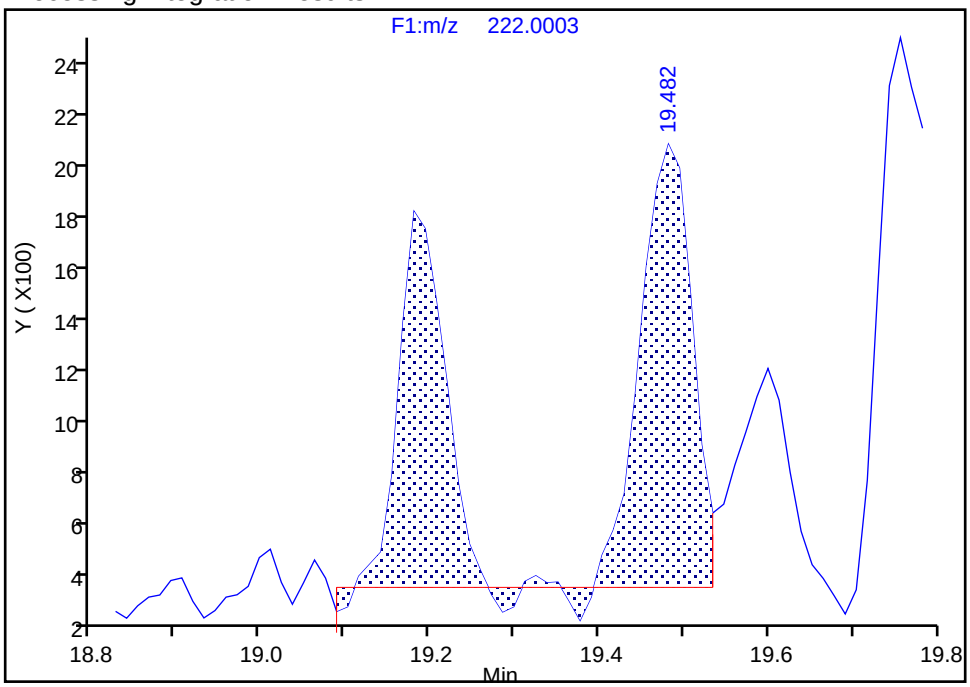
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

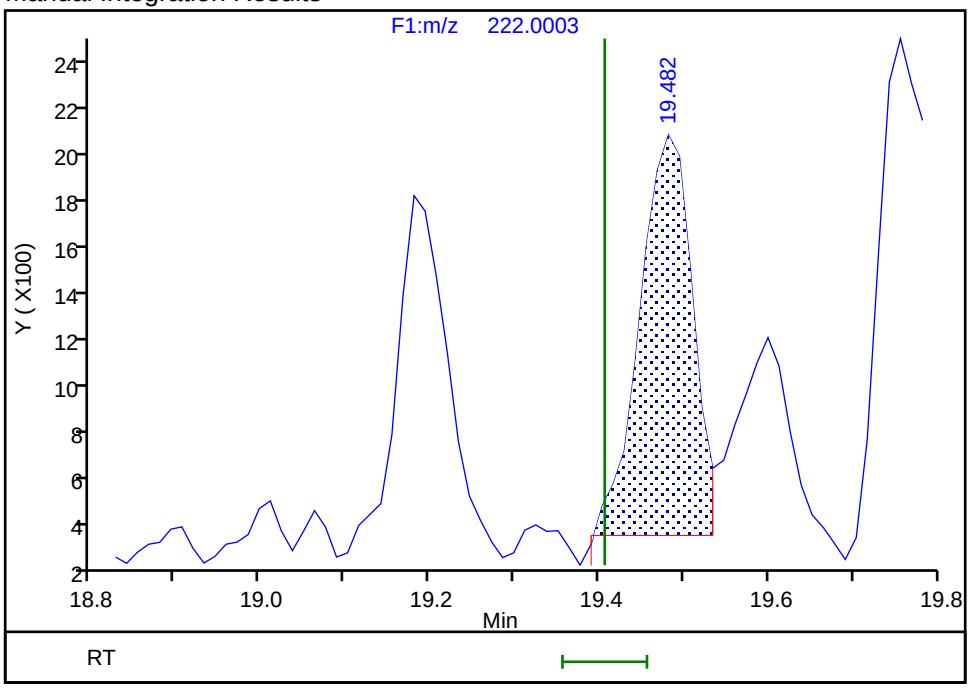
Processing Integration Results

RT: 19.48
Area: 12397
Amount: 0.526747
Amount Units: pg/ul




Manual Integration Results

RT: 19.48
Area: 7237
Amount: 0.382164
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:15
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

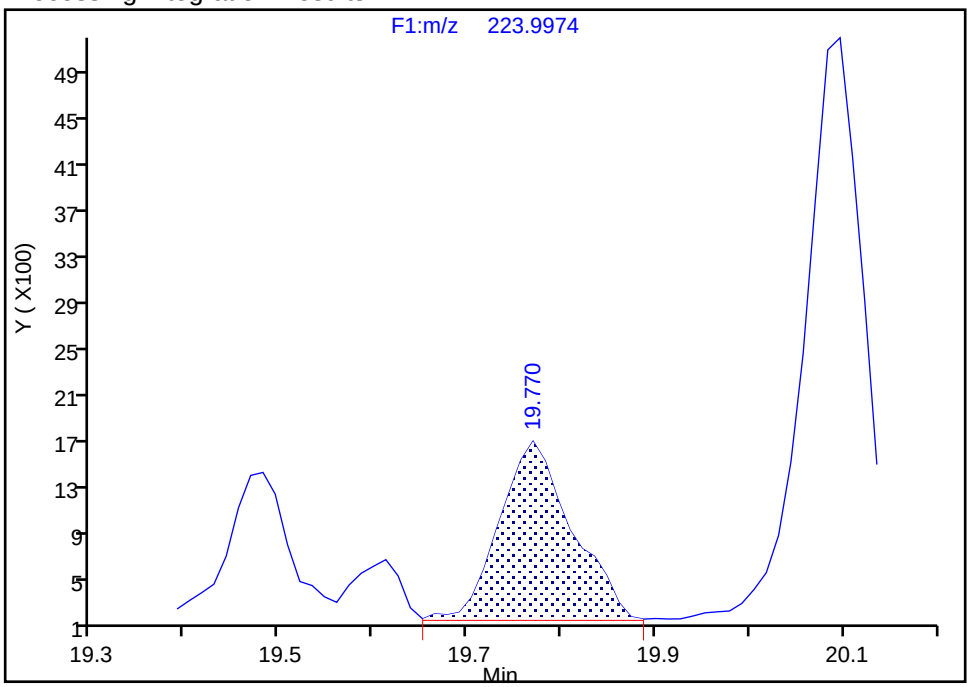
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 2

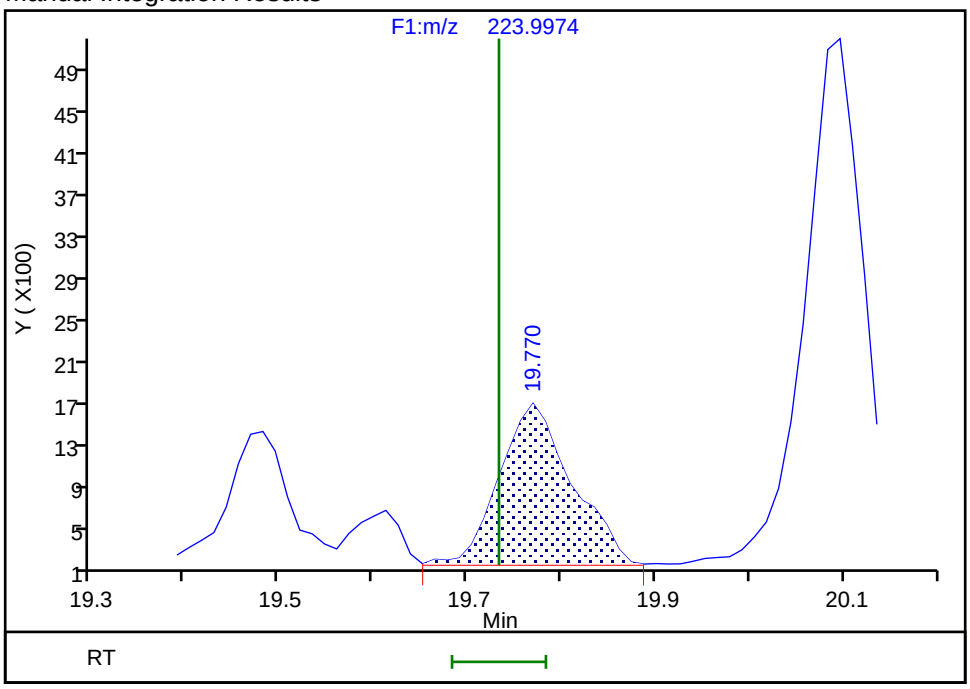
Processing Integration Results

RT: 19.77
Area: 8308
Amount: 0.716421
Amount Units: pg/ul




Manual Integration Results

RT: 19.77
Area: 8308
Amount: 0.594729
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

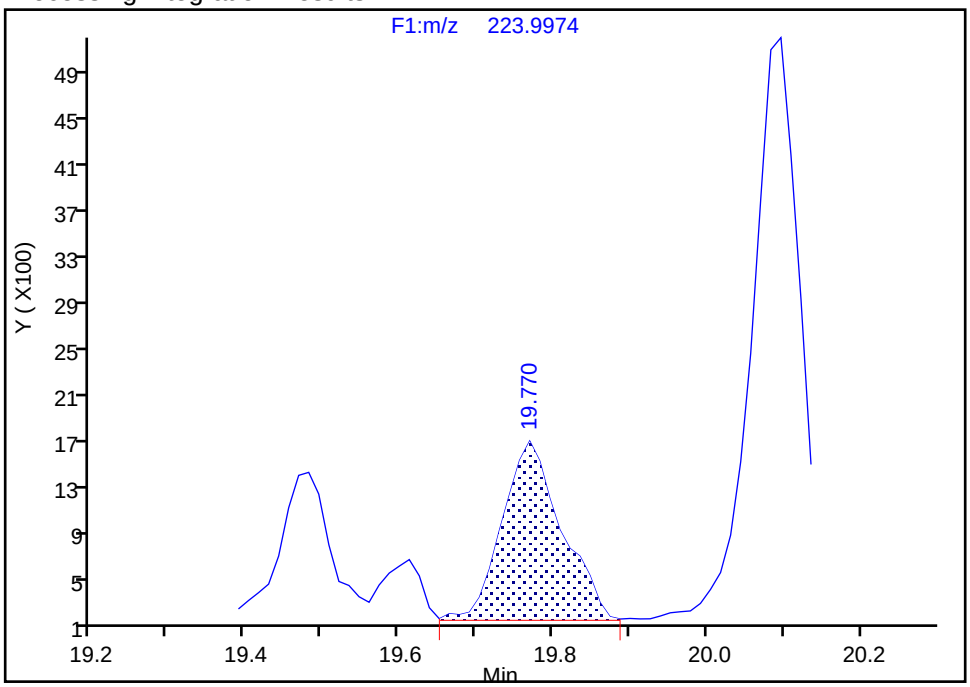
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 3

Processing Integration Results

RT: 19.76
Area: 25668
Amount: 0.716421
Amount Units: pg/ul




Manual Integration Results

RT: 19.76
Area: 21308
Amount: 0.594729
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:54:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

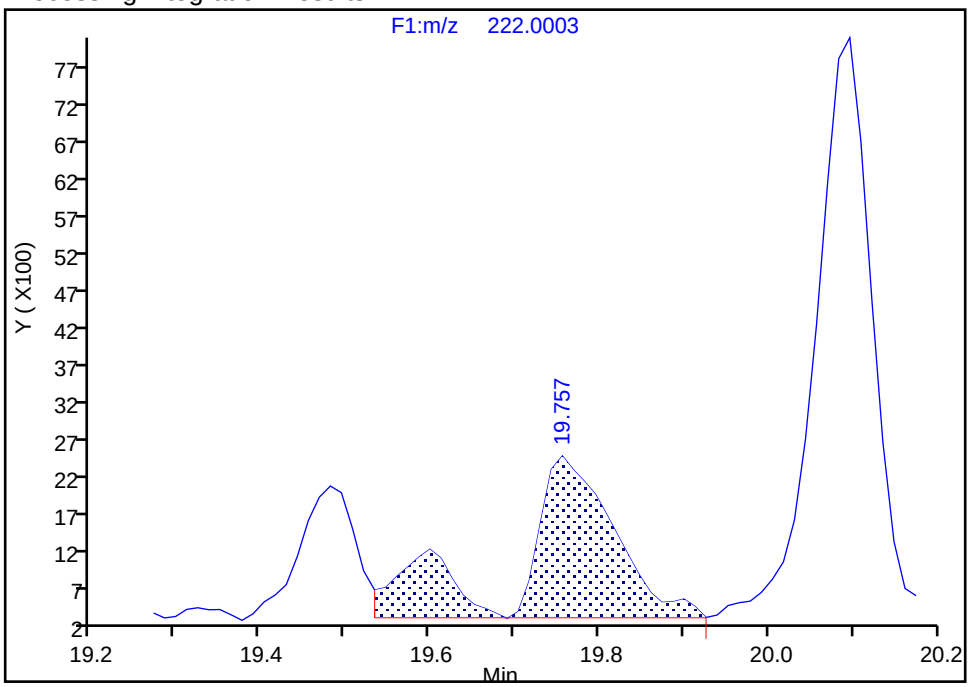
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

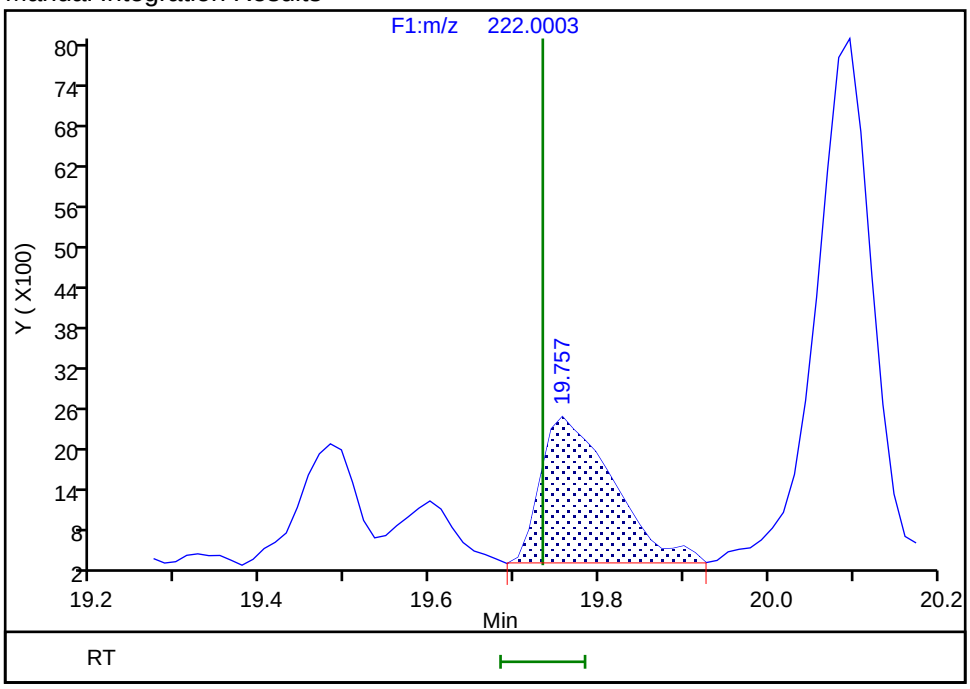
Processing Integration Results

RT: 19.76
Area: 17360
Amount: 0.716421
Amount Units: pg/ul




Manual Integration Results

RT: 19.76
Area: 13000
Amount: 0.594729
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

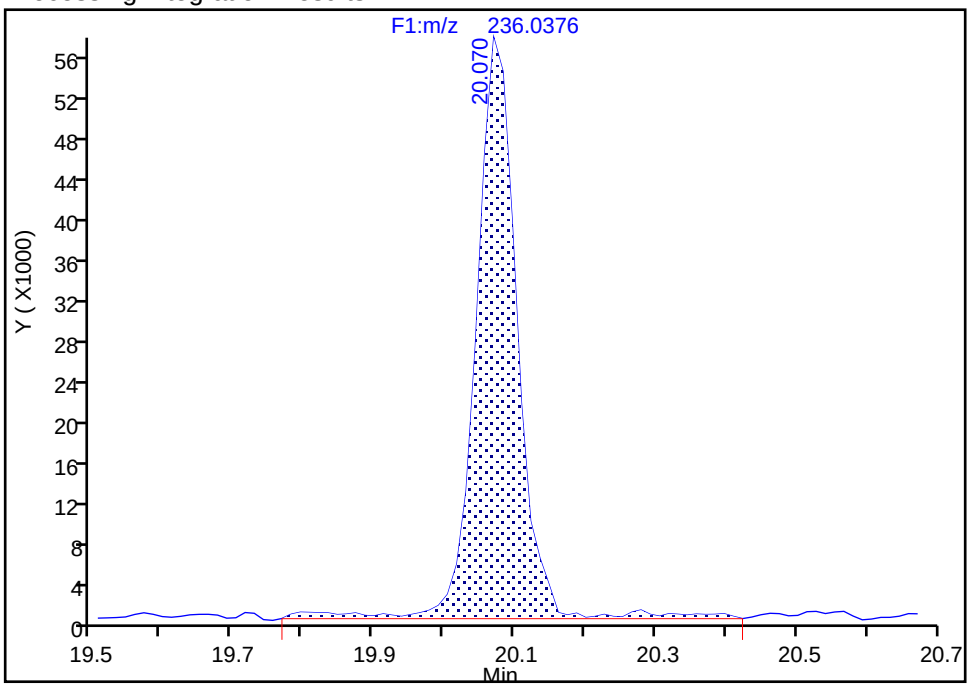
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 2

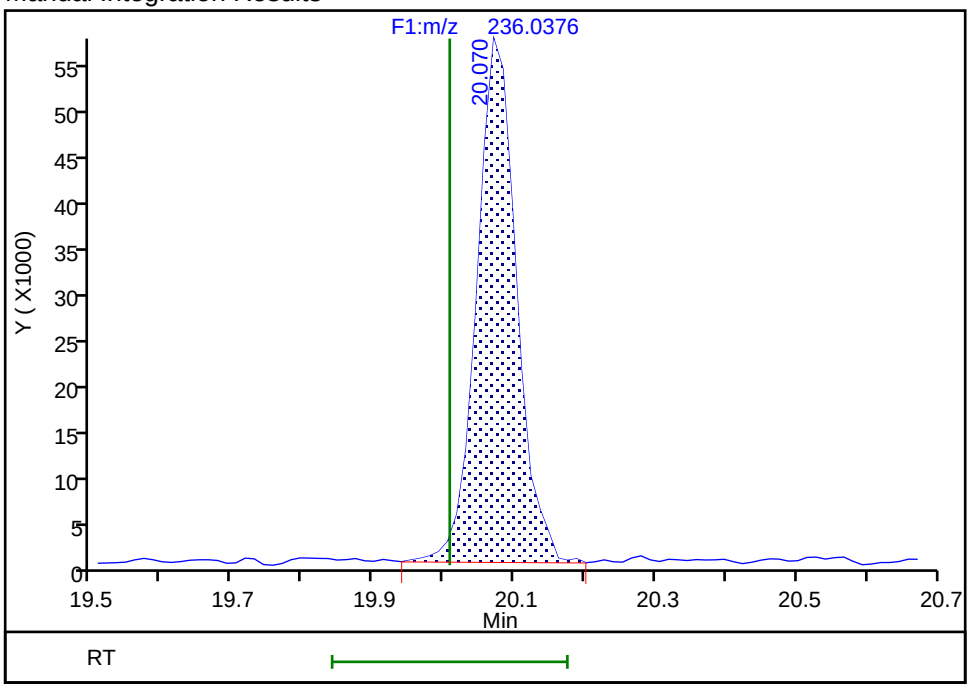
Processing Integration Results

RT: 20.07
Area: 236829
Amount: 18.217299
Amount Units: pg/ul




Manual Integration Results

RT: 20.07
Area: 224989
Amount: 16.652899
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:27:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

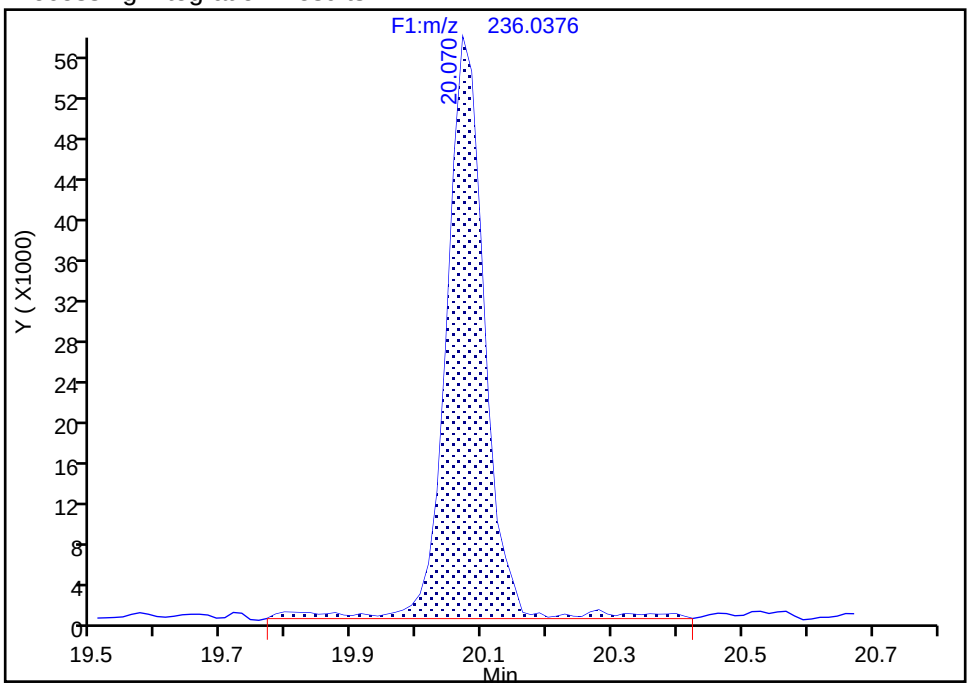
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 3

Processing Integration Results

RT: 20.07
Area: 659917
Amount: 18.217299
Amount Units: pg/ul




Manual Integration Results

RT: 20.07
Area: 603247
Amount: 16.652899
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:27:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

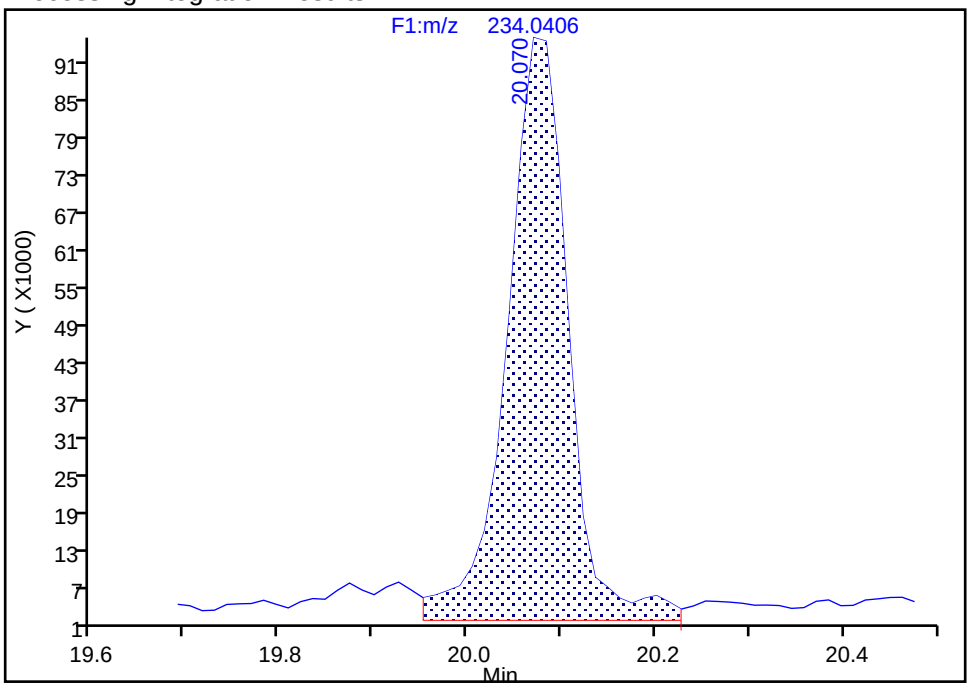
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 1

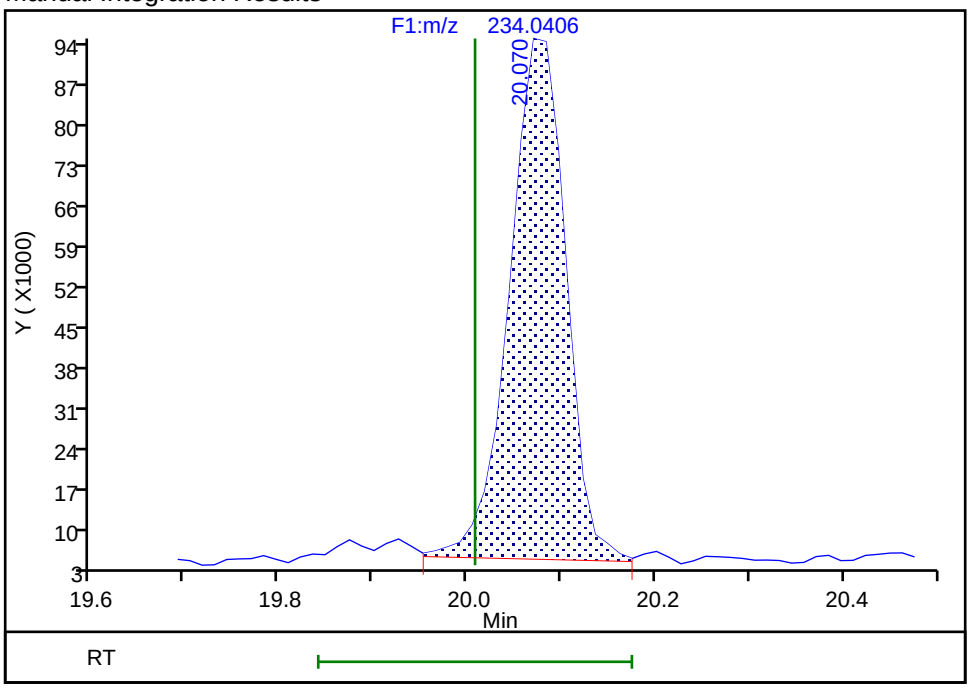
Processing Integration Results

RT: 20.07
Area: 423088
Amount: 18.217299
Amount Units: pg/ul




Manual Integration Results

RT: 20.07
Area: 378258
Amount: 16.652899
Amount Units: pg/ul

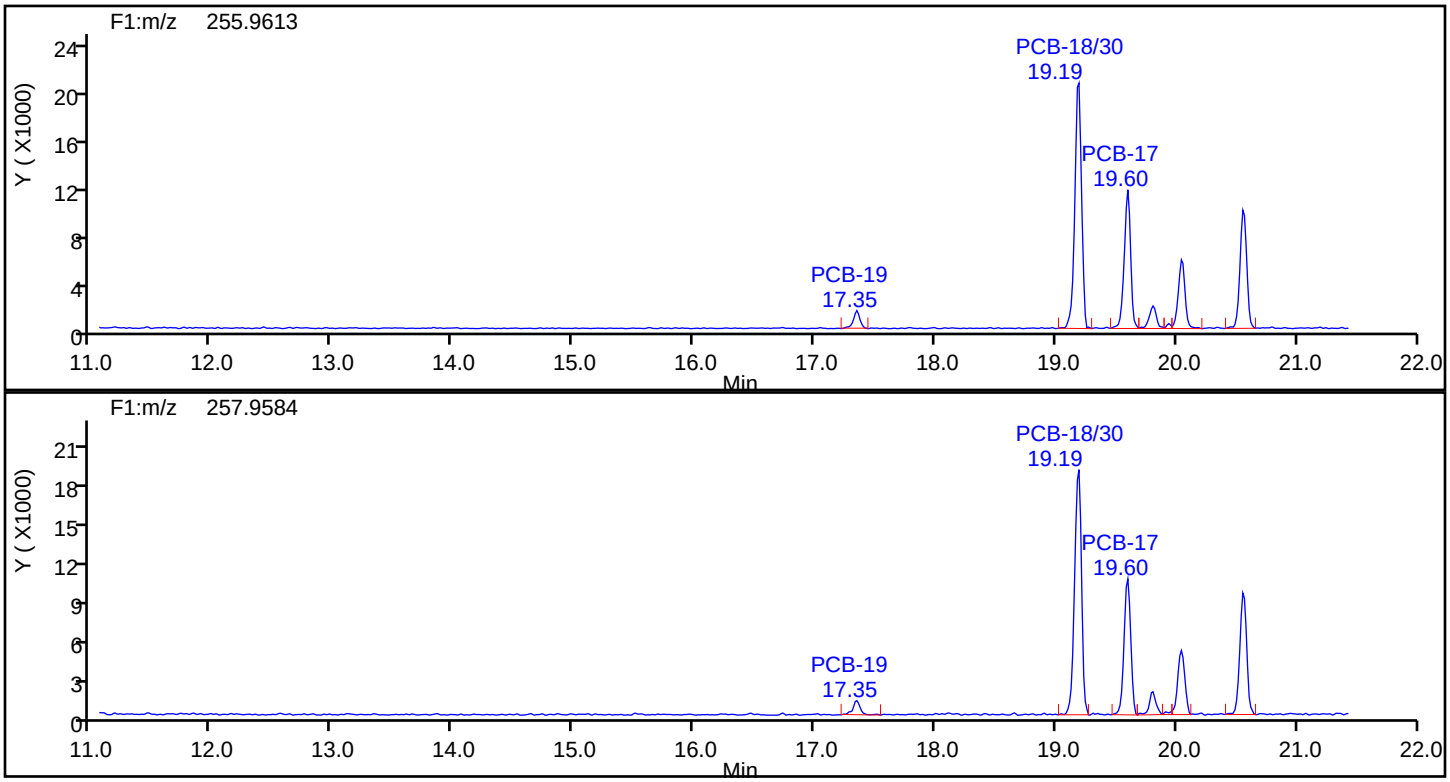



Reviewer: mcwhirterl, 03-Oct-2019 23:27:28
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

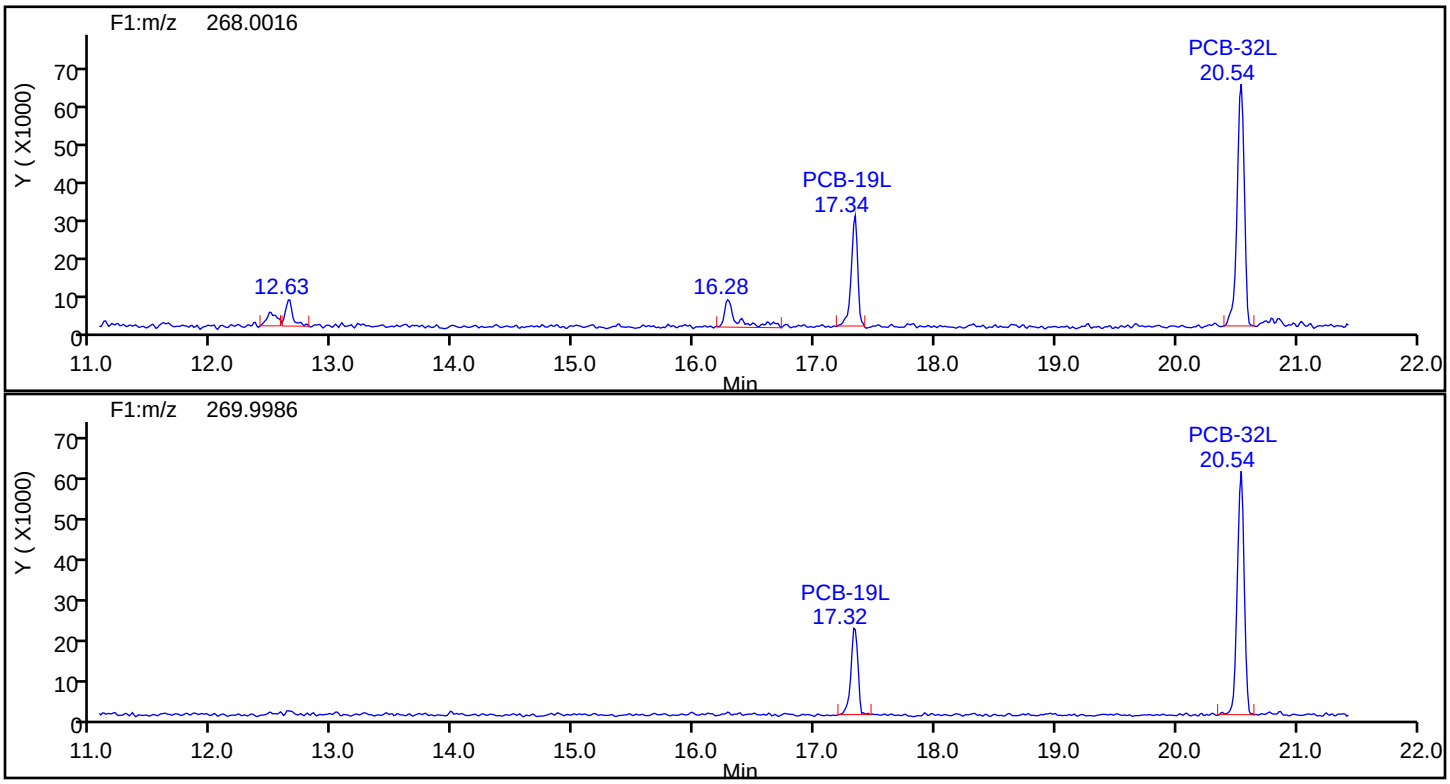
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



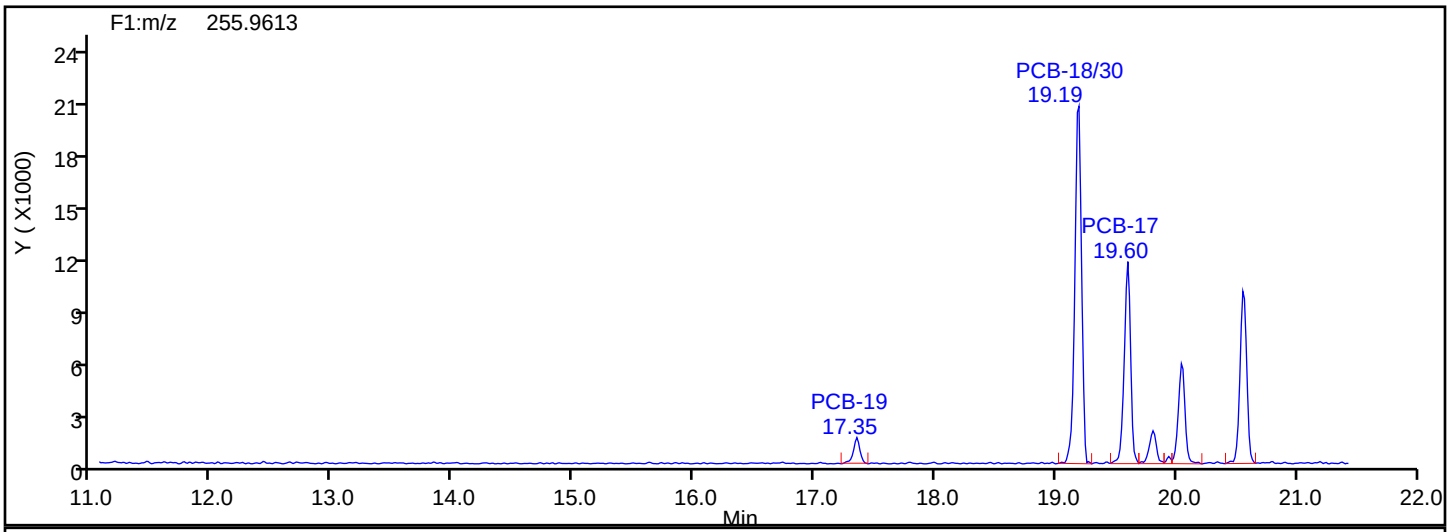

TriPCB F1 Standards

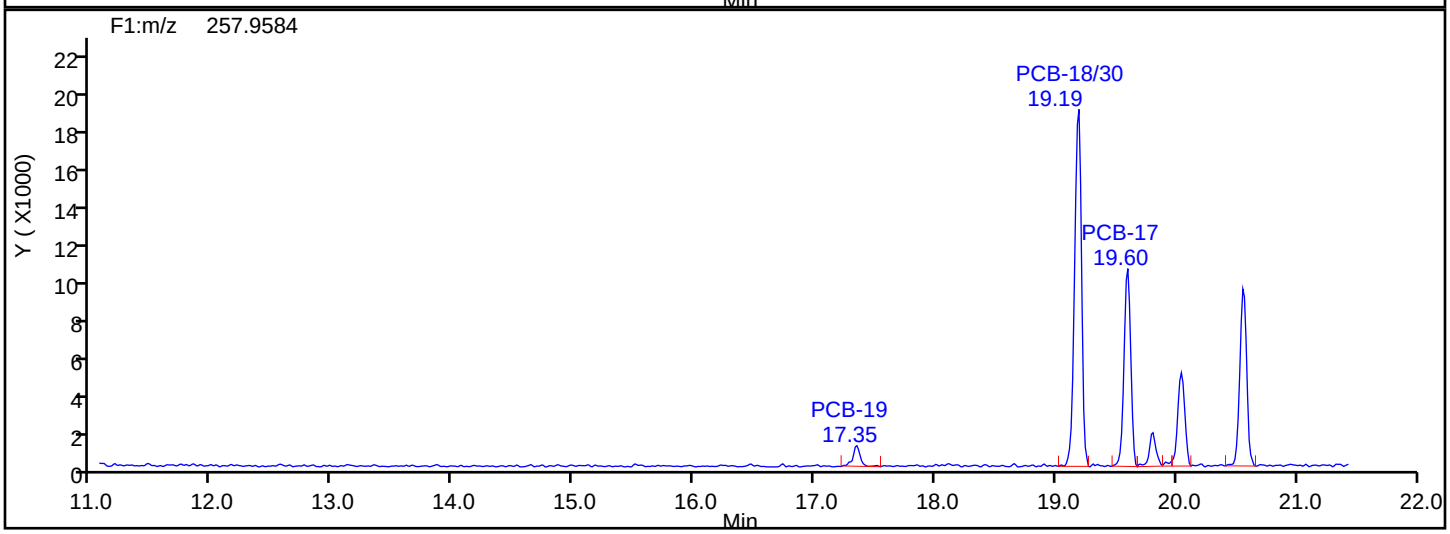


Eurofins TestAmerica, Knoxville

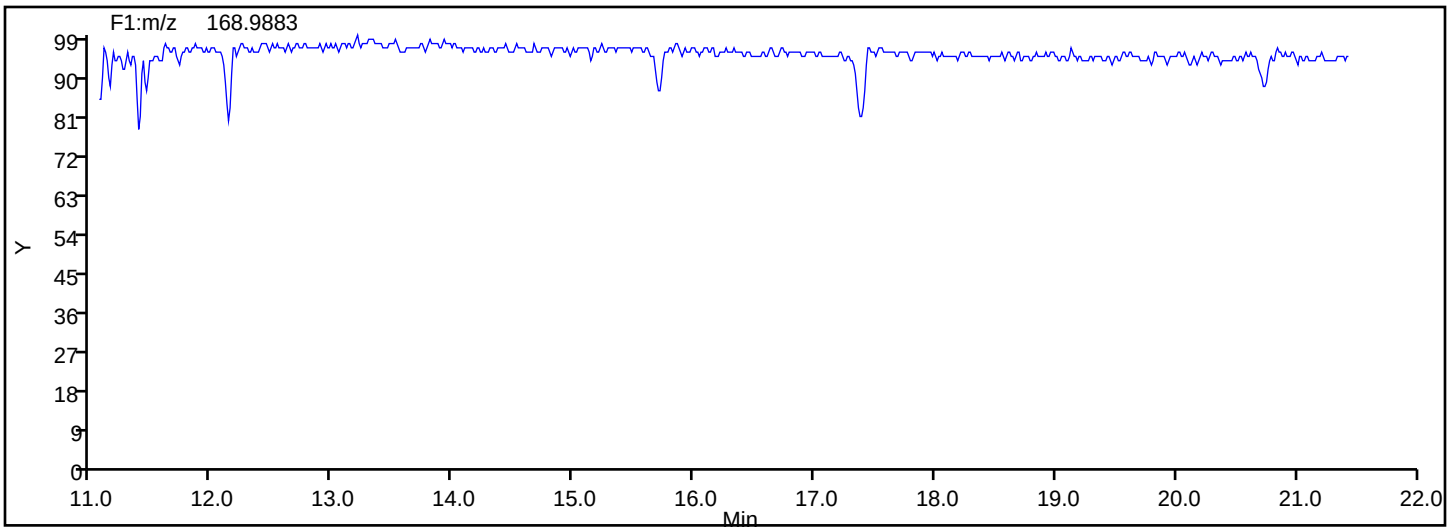
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

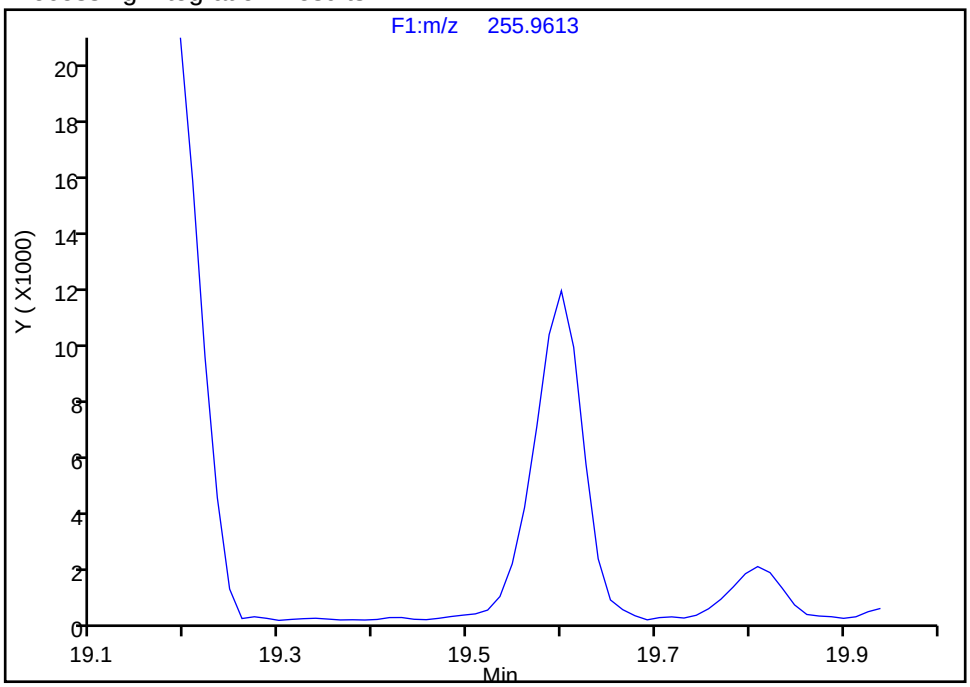
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-17, CAS: 37680-66-3

Signal: 1

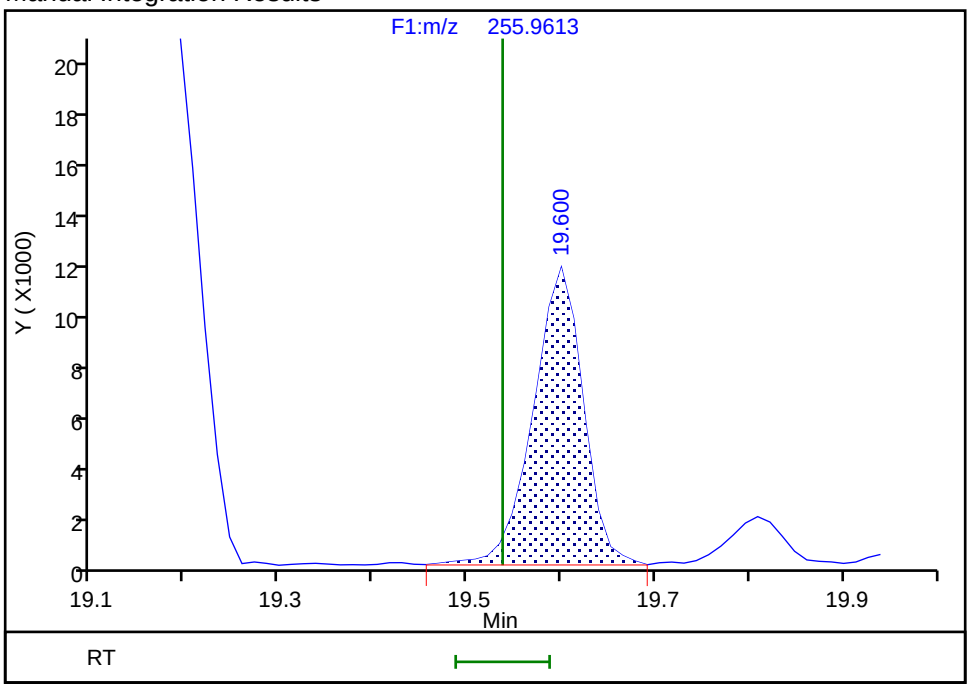
Not Detected
Expected RT: 19.54

Processing Integration Results




Manual Integration Results

RT: 19.60
Area: 43142
Amount: 5.461966
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:33
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

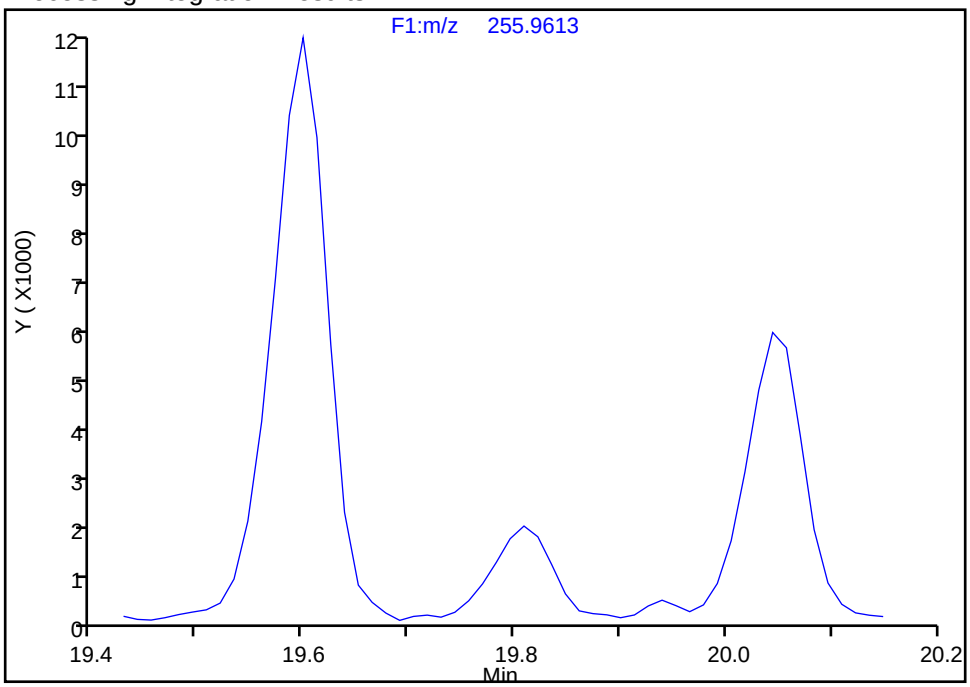
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-27, CAS: 38444-76-7

Signal: 1

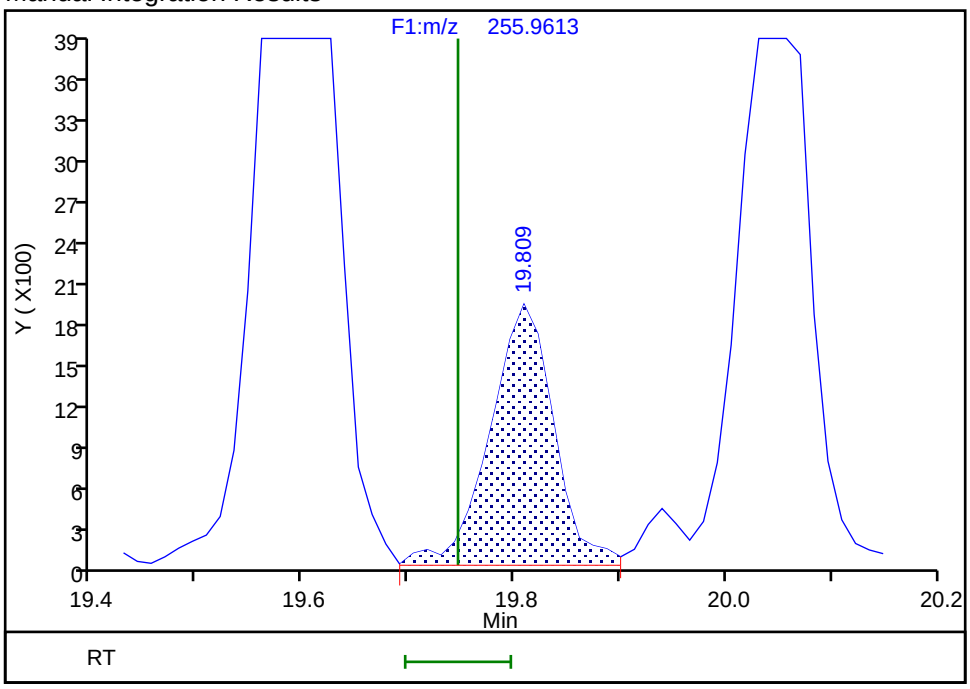
Not Detected
Expected RT: 19.75

Processing Integration Results




Manual Integration Results

RT: 19.81
Area: 7945
Amount: 0.701910
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:41
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

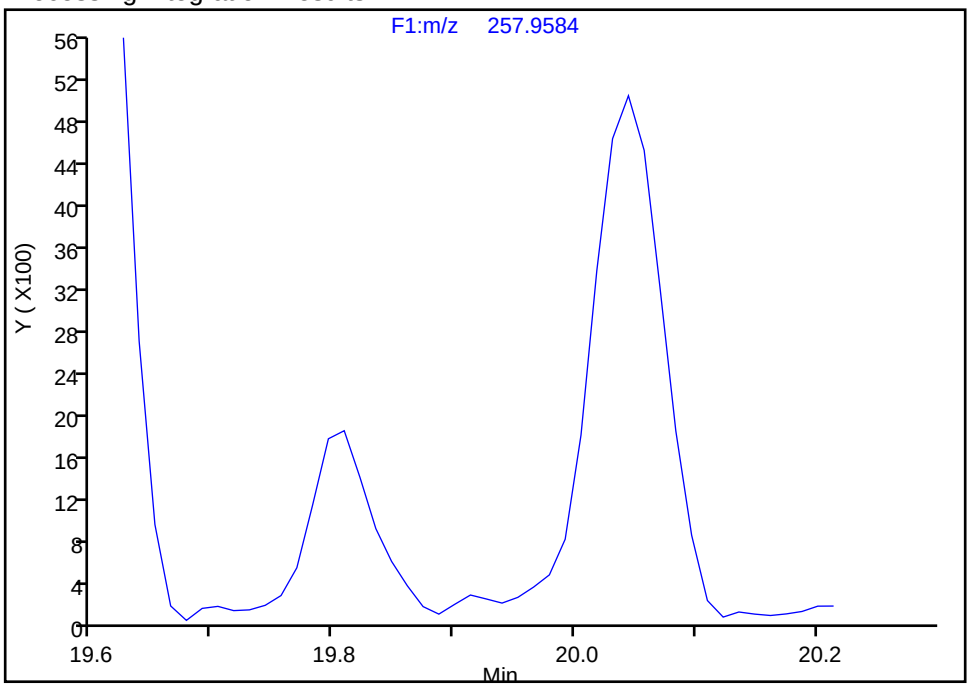
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 2

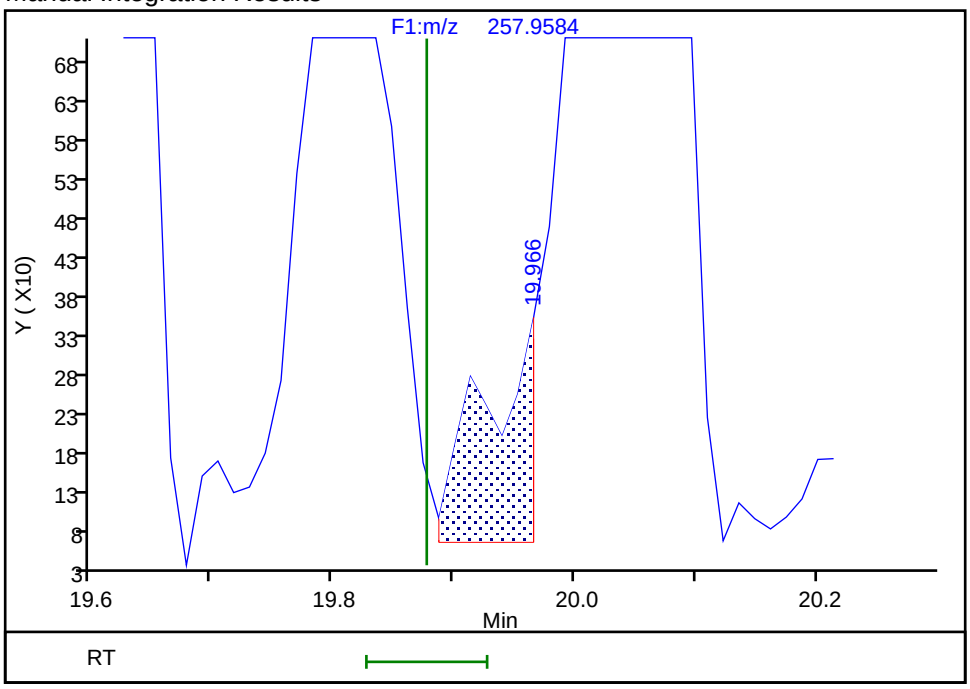
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.97
Area: 772
Amount: 0.084896
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:53
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

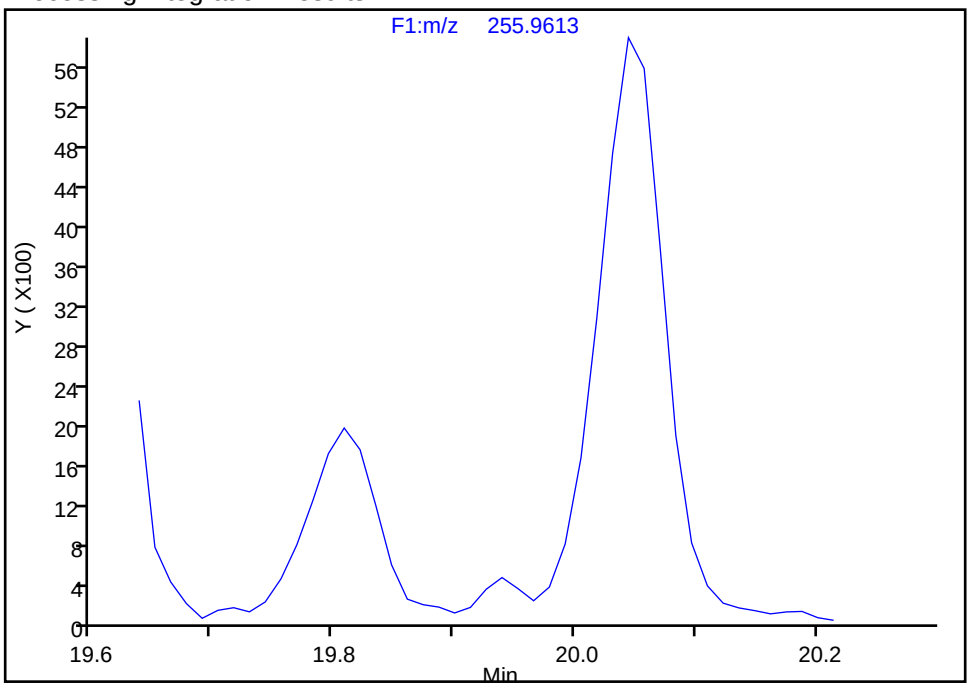
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

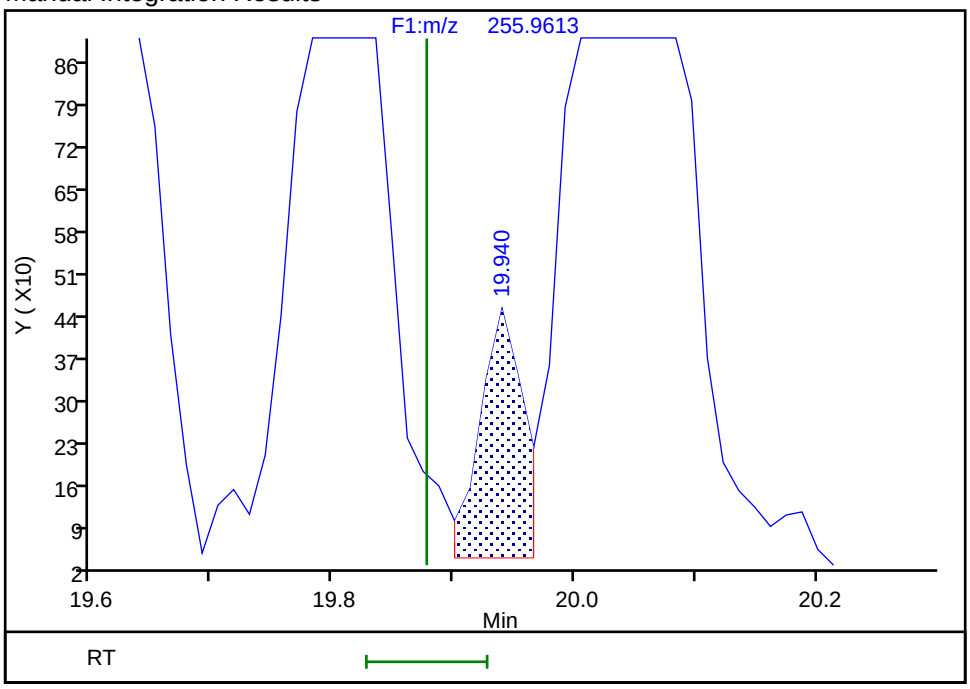
Not Detected
Expected RT: 19.88

Processing Integration Results




Manual Integration Results

RT: 19.94
Area: 980
Amount: 0.084896
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:54:57
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

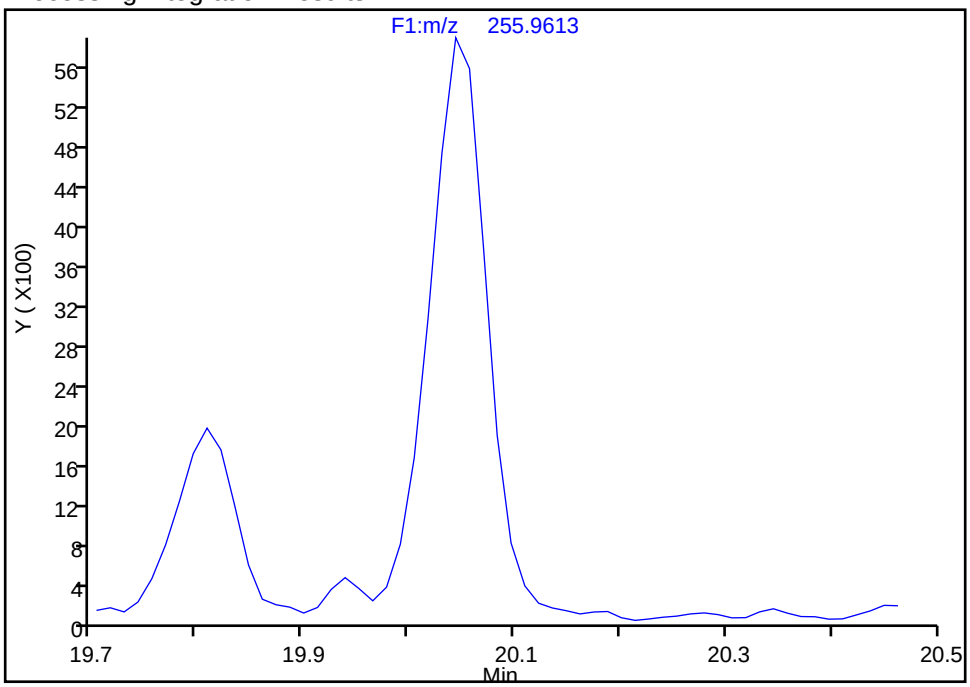
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

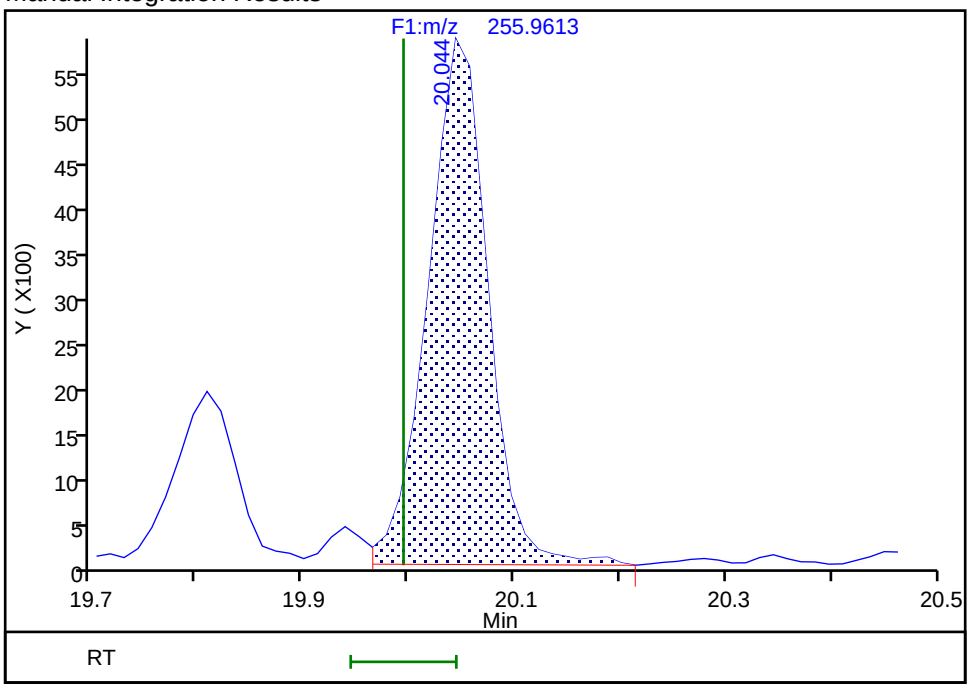
Not Detected
Expected RT: 19.99

Processing Integration Results




Manual Integration Results

RT: 20.04
Area: 22666
Amount: 3.571121
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:55:00
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

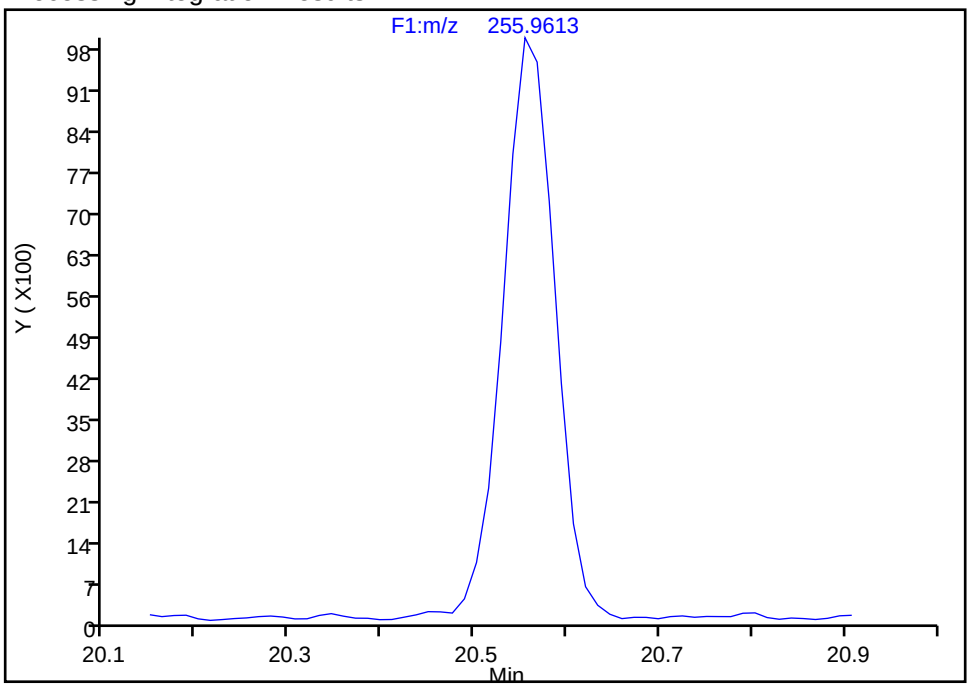
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

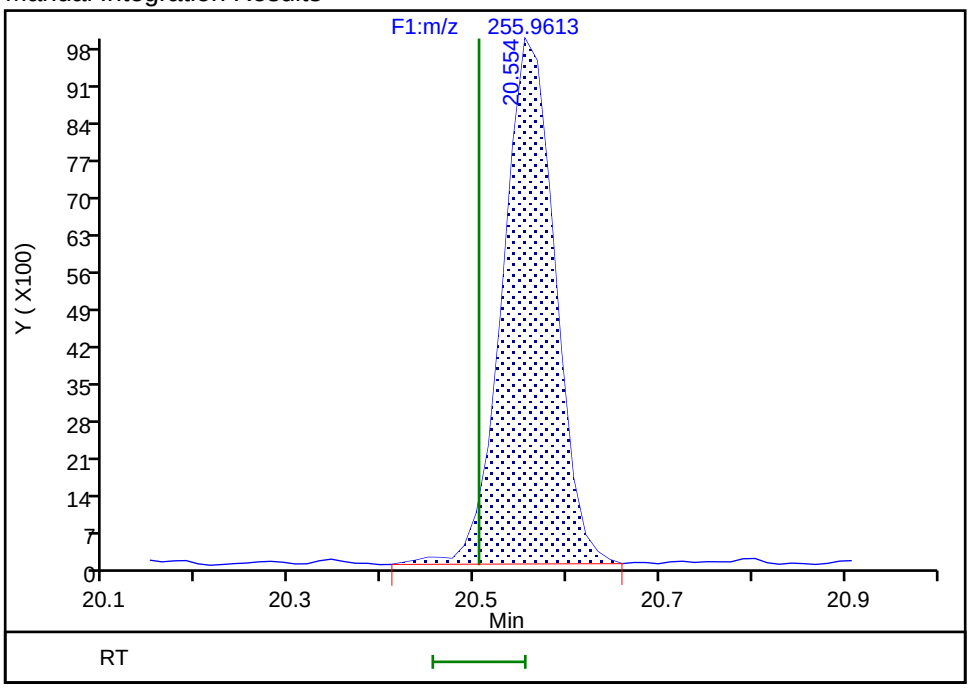
Not Detected
Expected RT: 20.50

Processing Integration Results




Manual Integration Results

RT: 20.55
Area: 39125
Amount: 3.333805
Amount Units: pg/ul

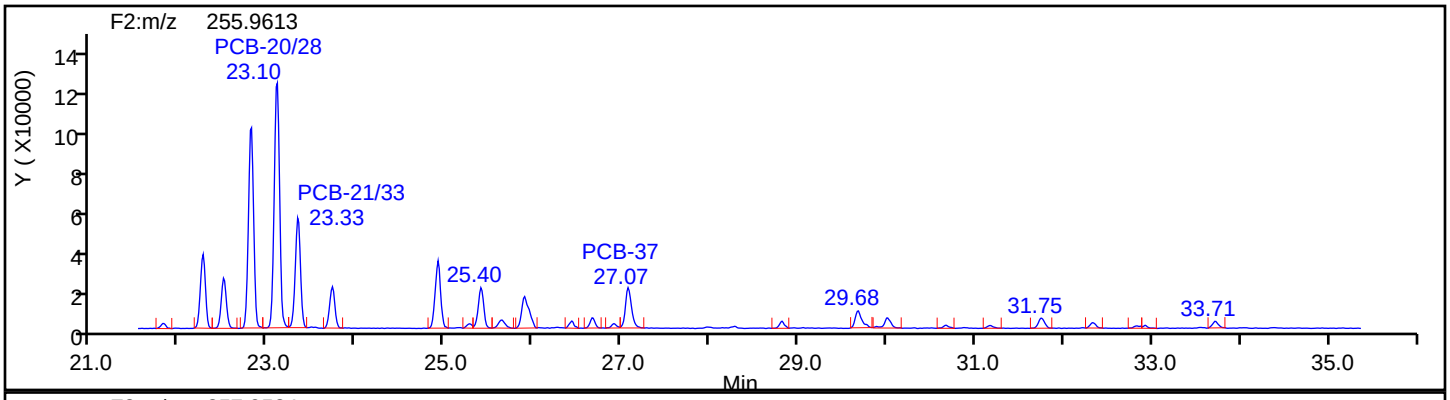


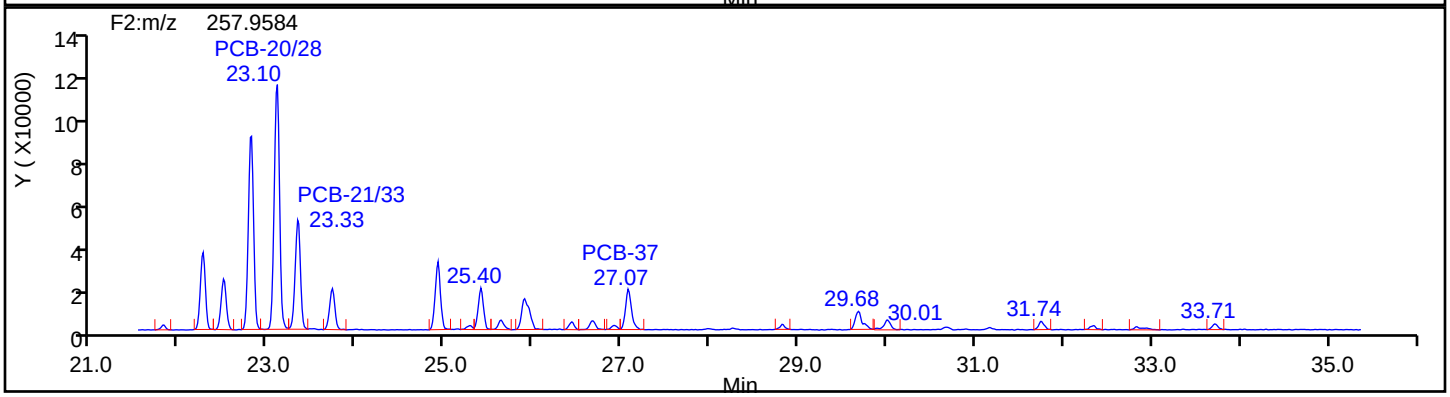

Reviewer: mcwhirterl, 03-Oct-2019 23:55:04
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

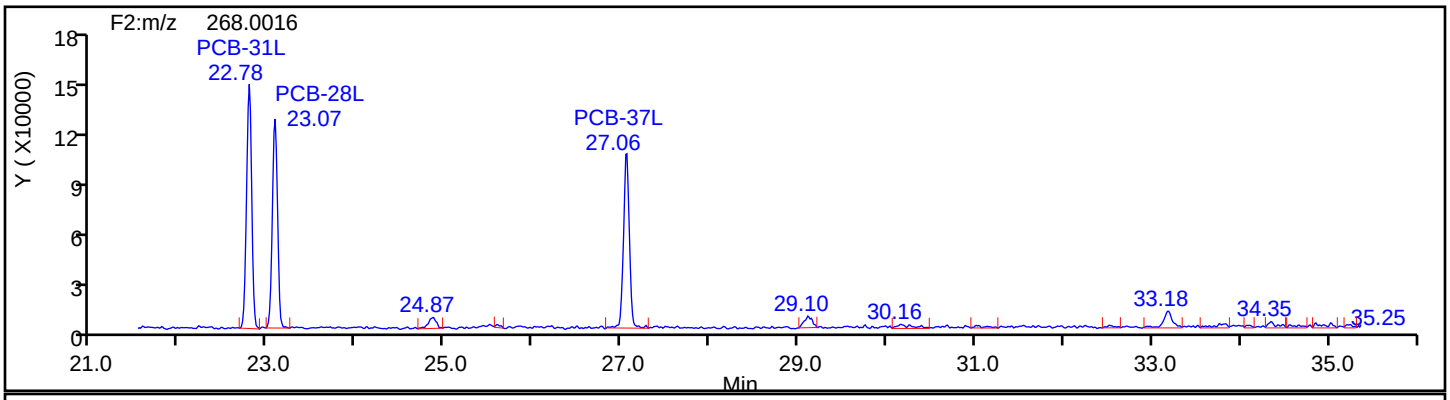
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

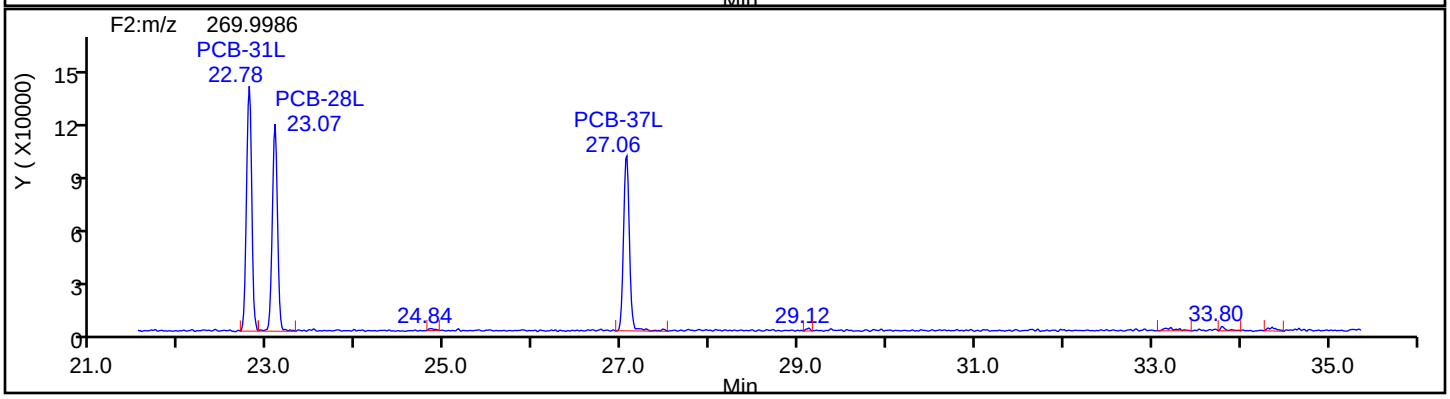
TriPCB F2




TriPCB F2 Standards

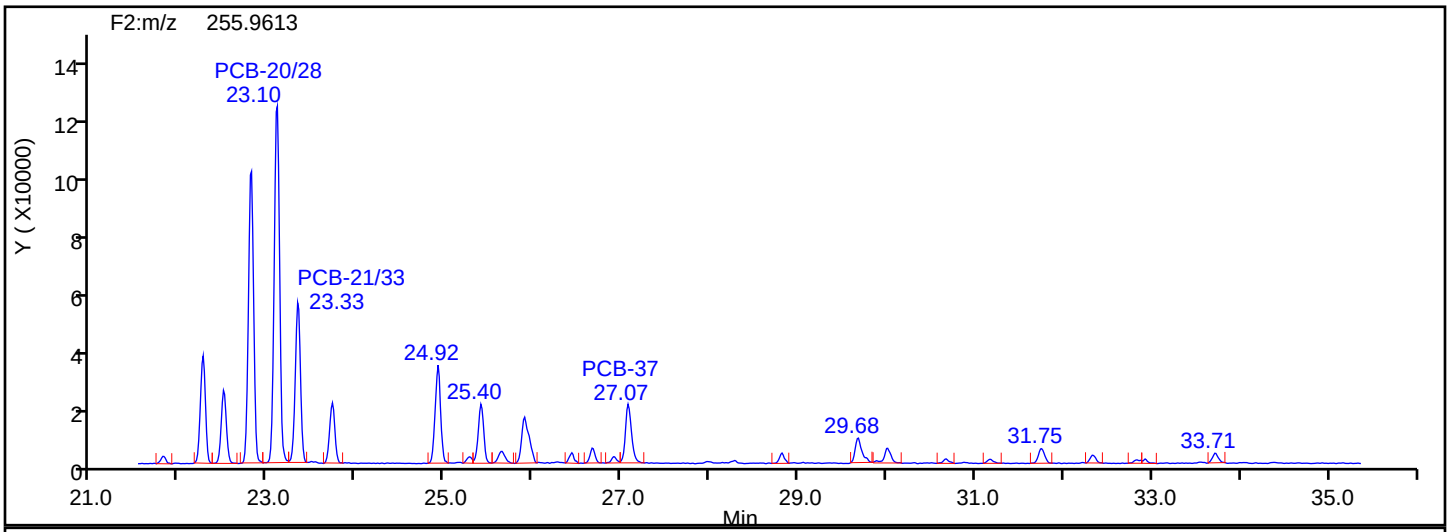


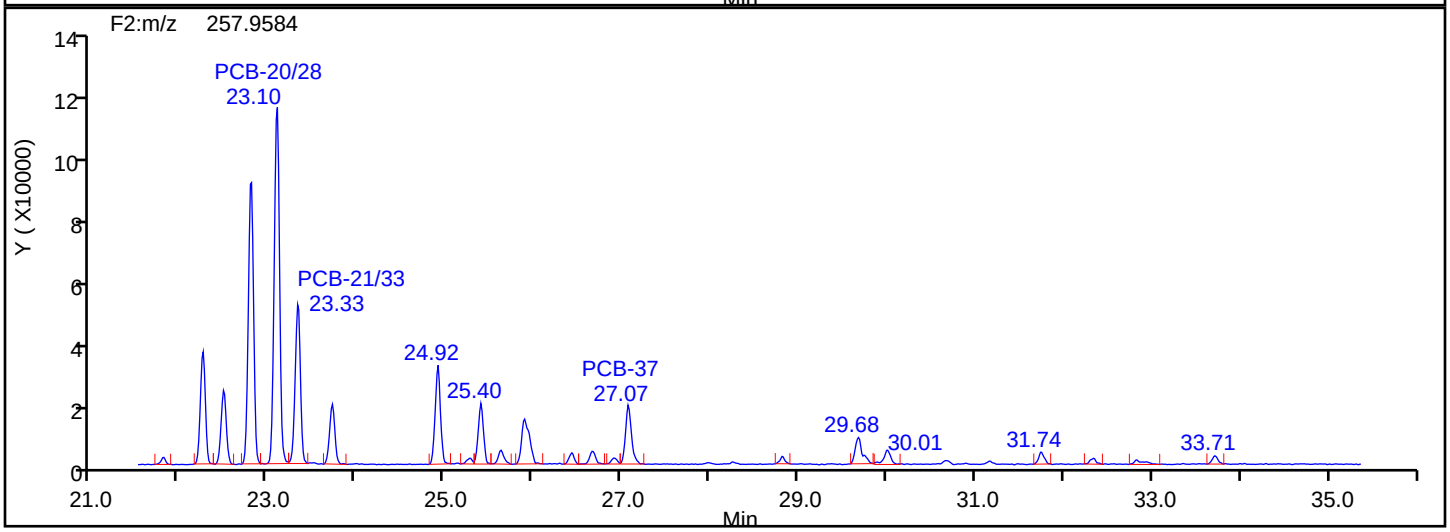



Eurofins TestAmerica, Knoxville

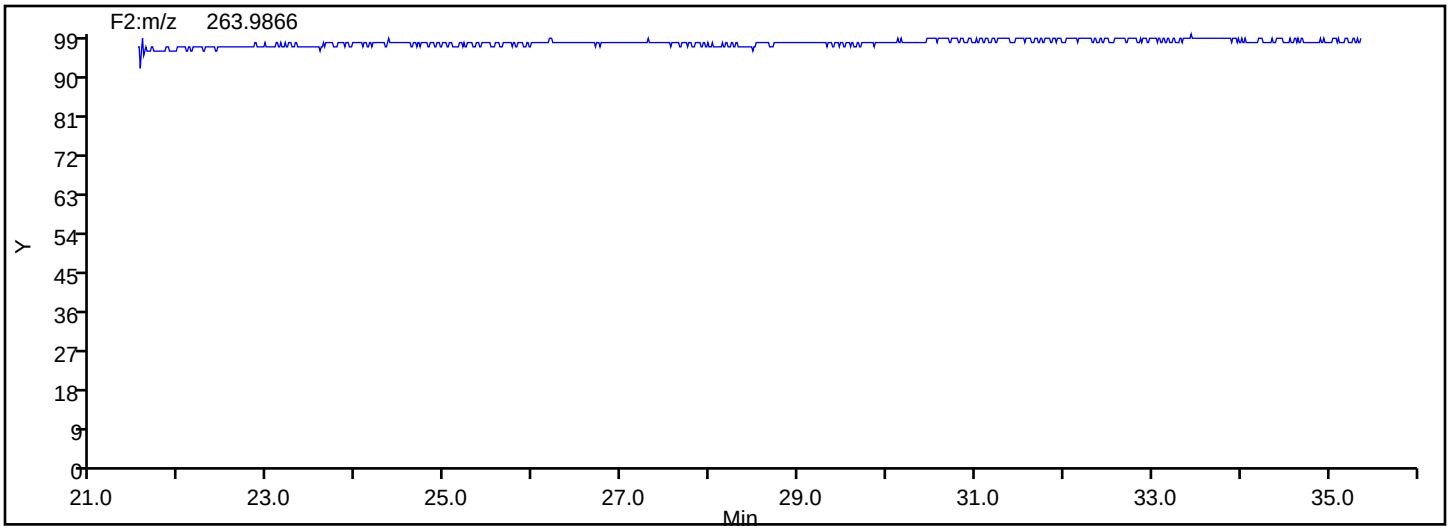
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

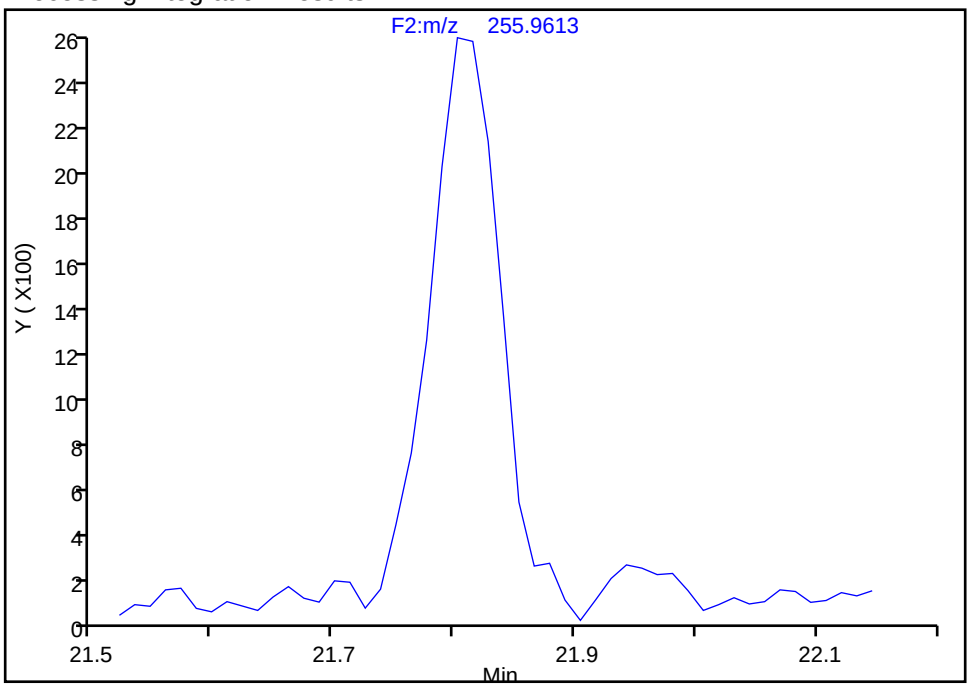
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

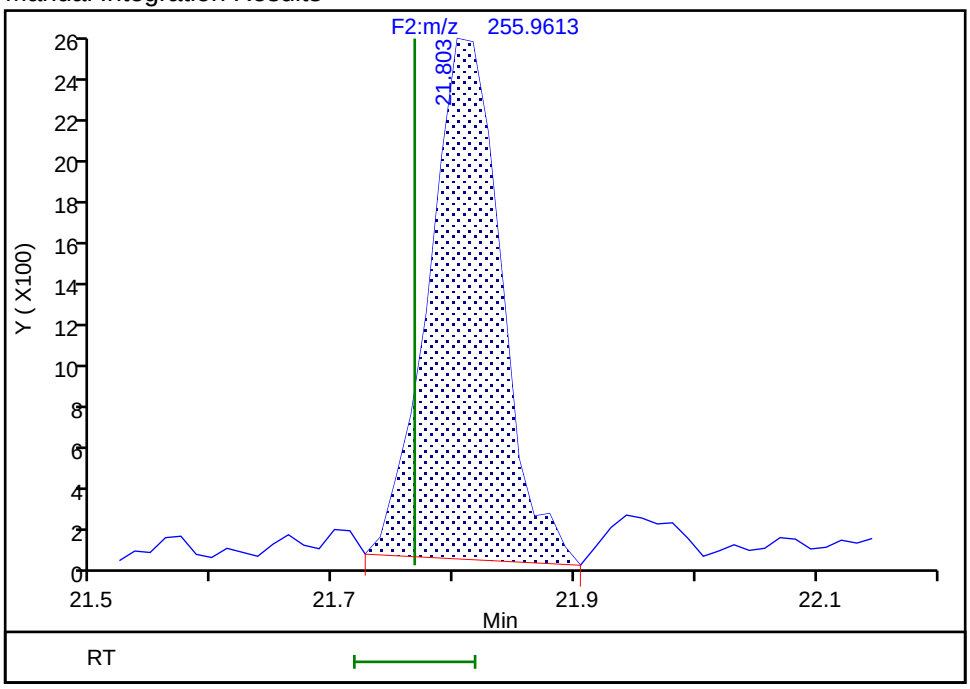
Not Detected
Expected RT: 21.77

Processing Integration Results




Manual Integration Results

RT: 21.80
Area: 10389
Amount: 0.320953
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:55:16
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

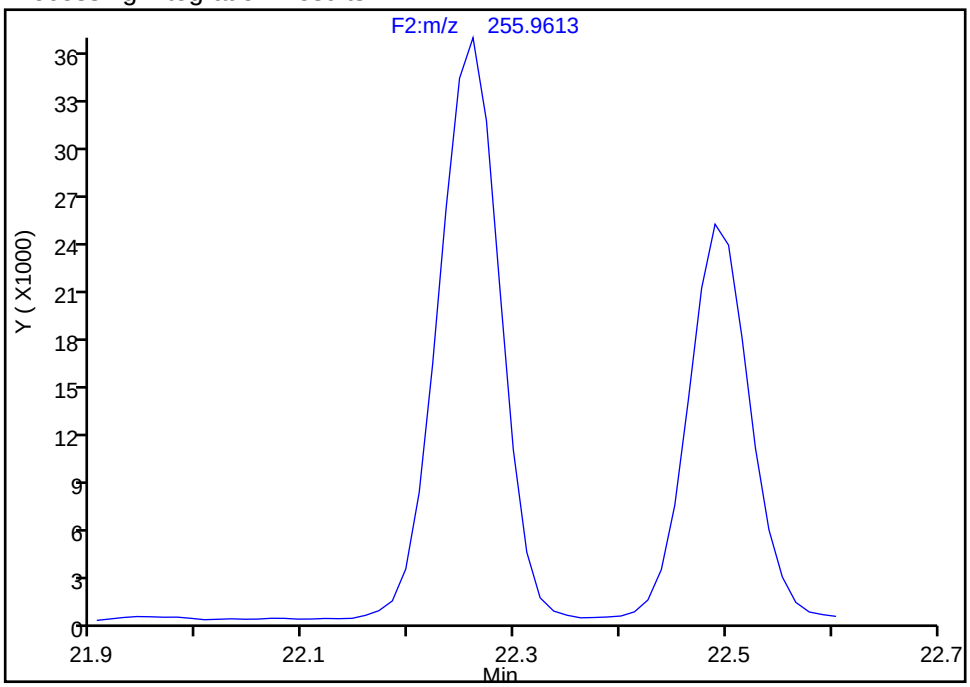
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

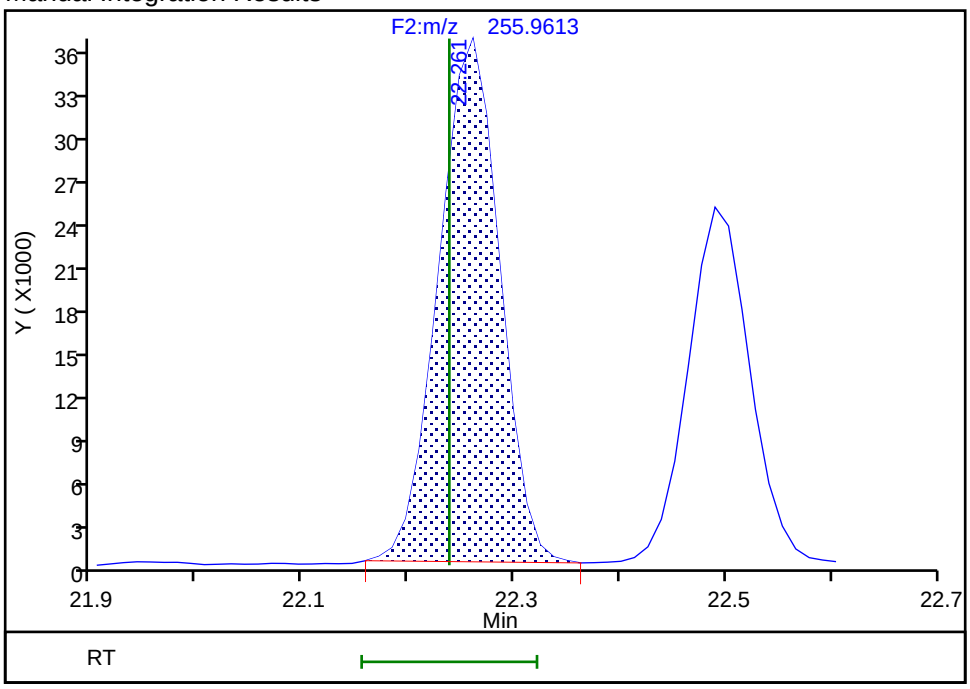
Not Detected
Expected RT: 22.24

Processing Integration Results




Manual Integration Results

RT: 22.26
Area: 146163
Amount: 4.624838
Amount Units: pg/ul

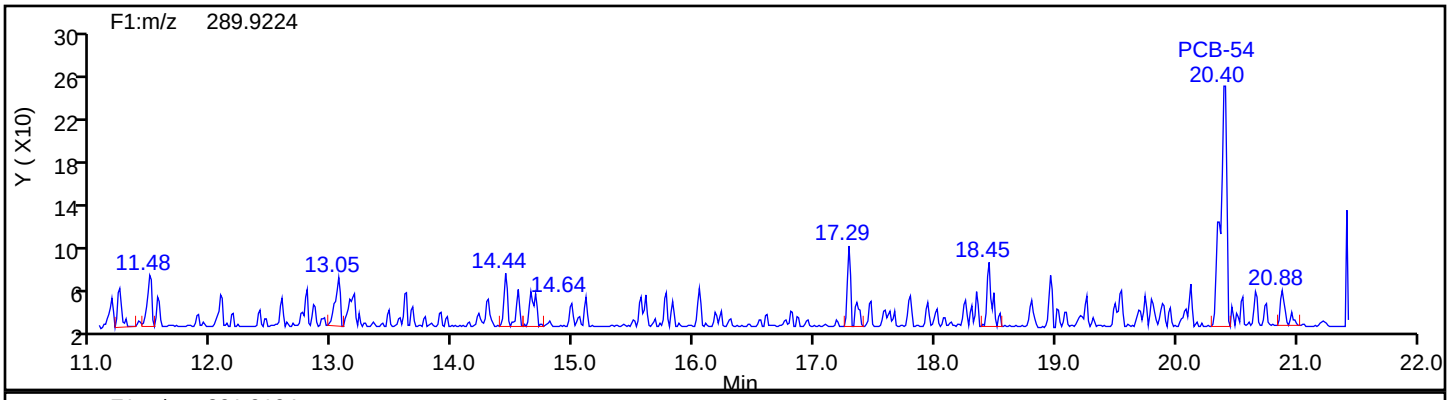


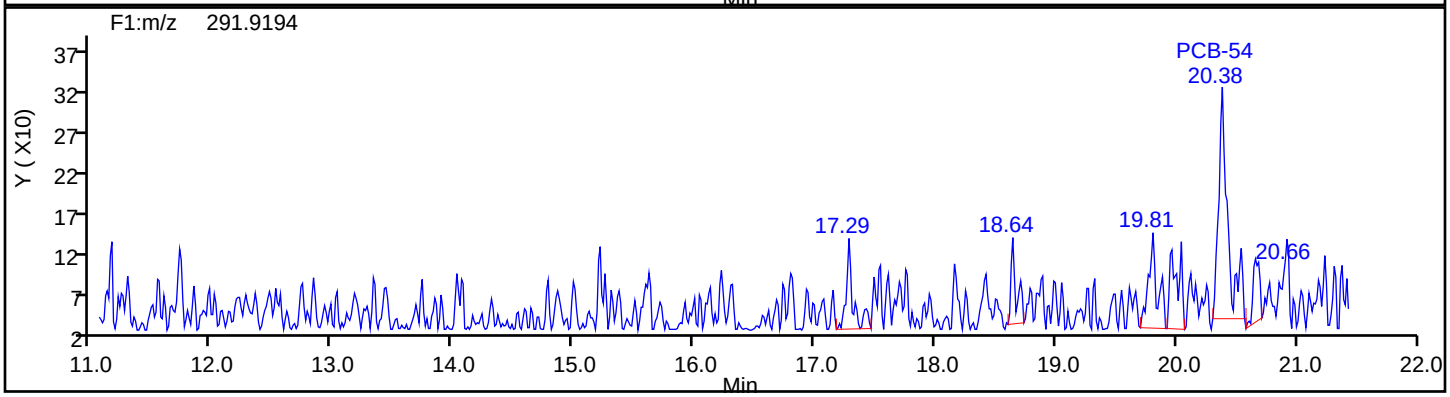

Reviewer: mcwhirterl, 03-Oct-2019 23:55:21
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

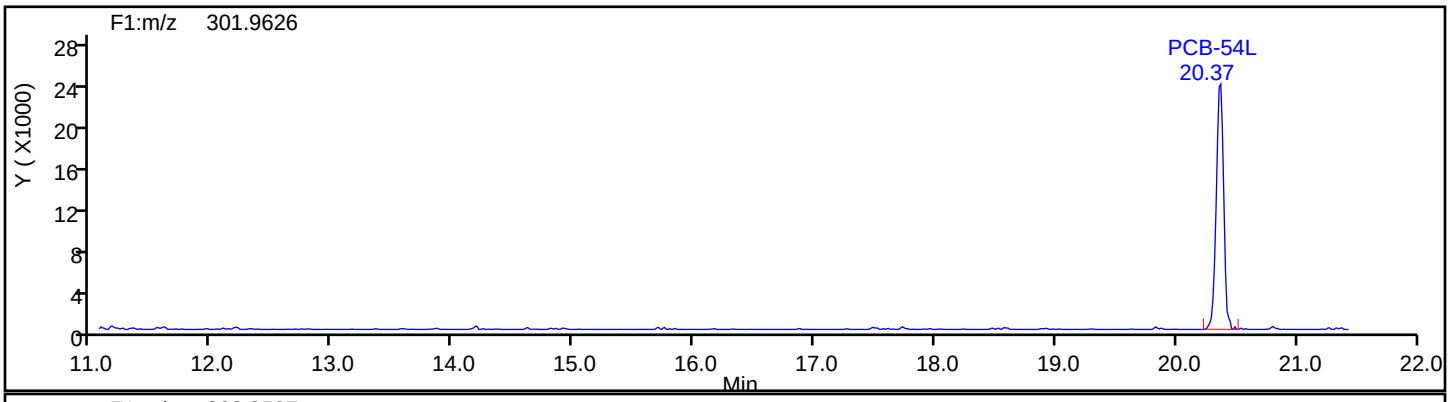
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

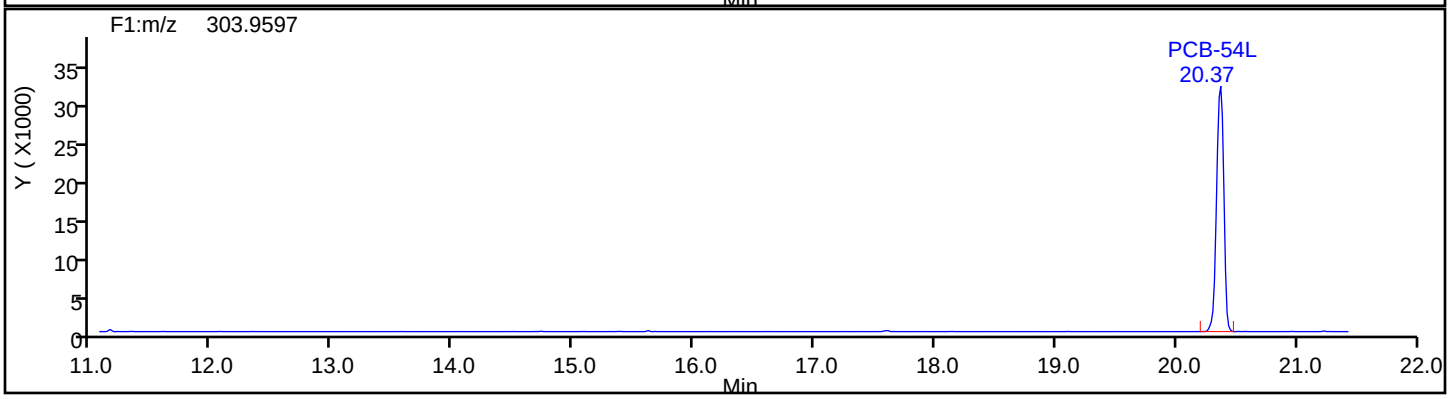
TePCB F1




TePCB F1 Standards

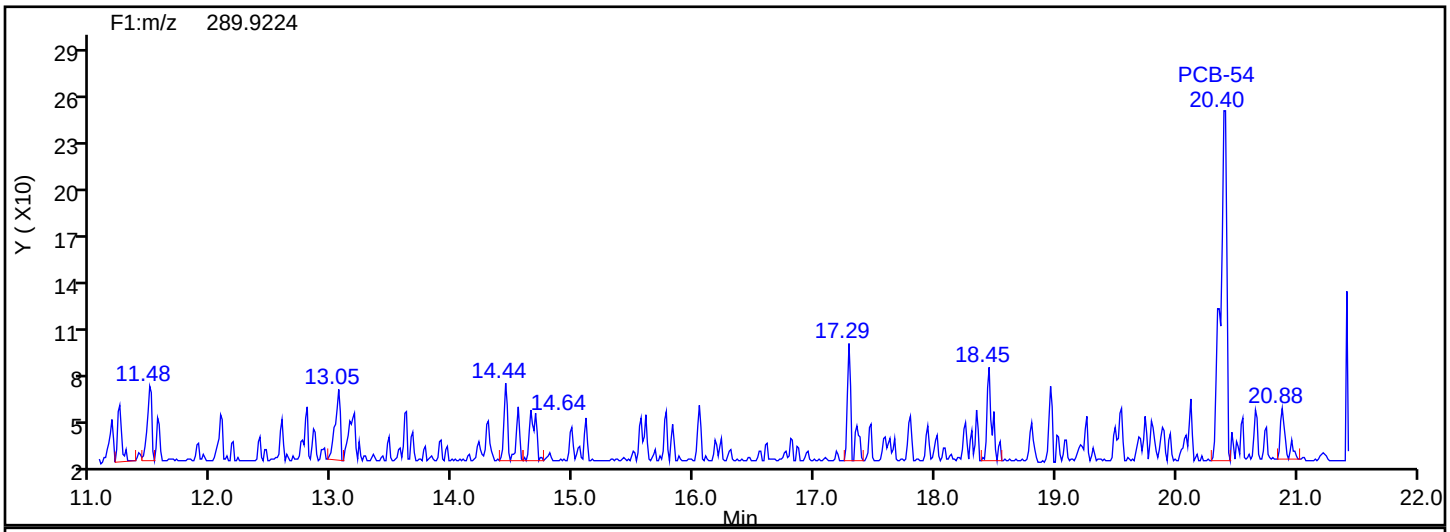


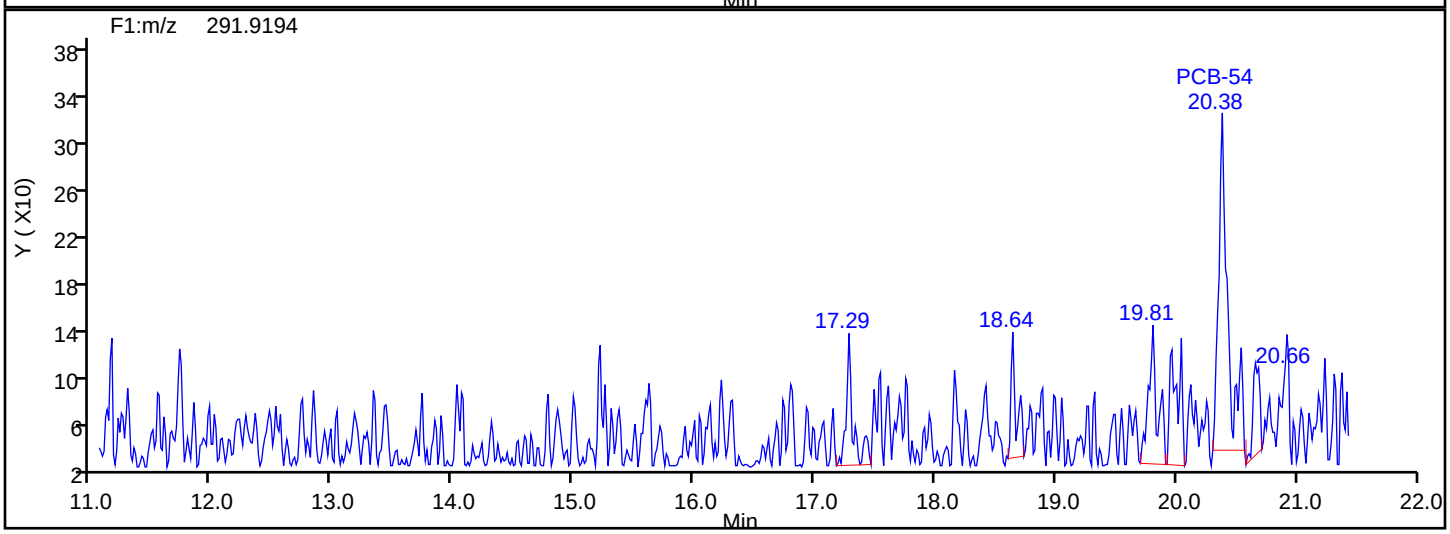



Eurofins TestAmerica, Knoxville

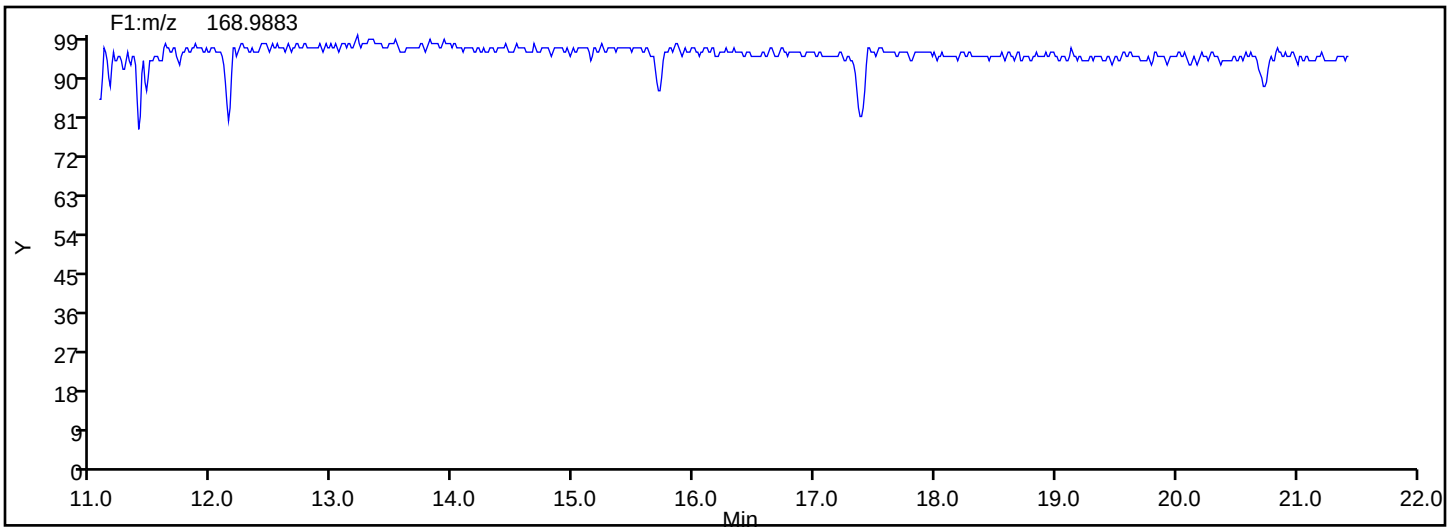
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



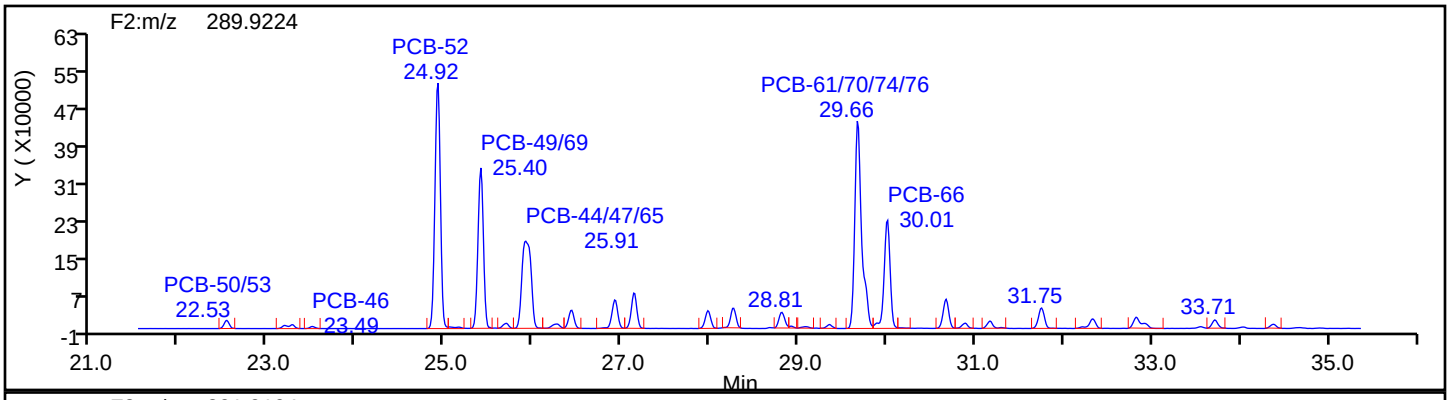

TePCB F1 Lock Mass

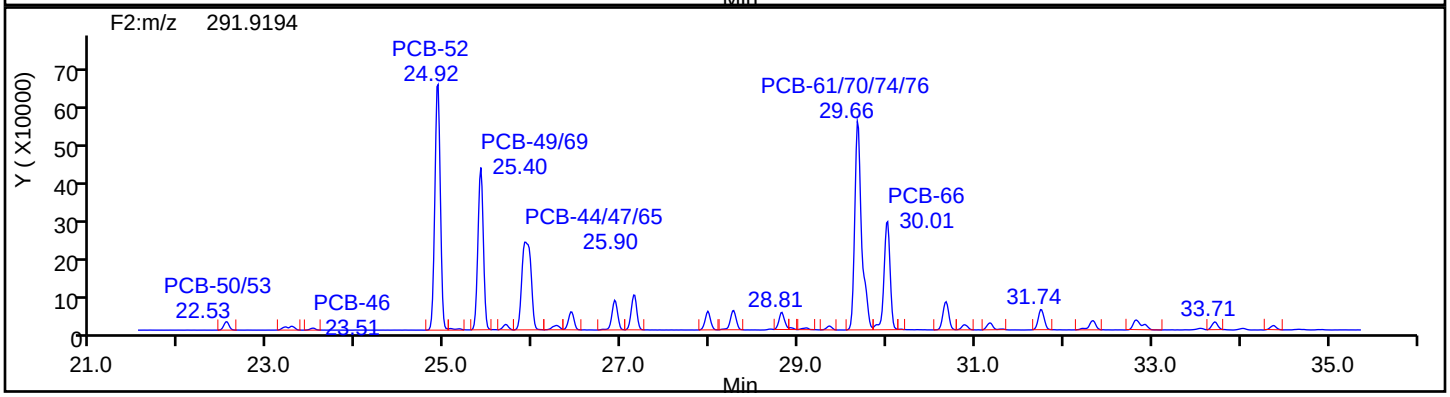


Eurofins TestAmerica, Knoxville

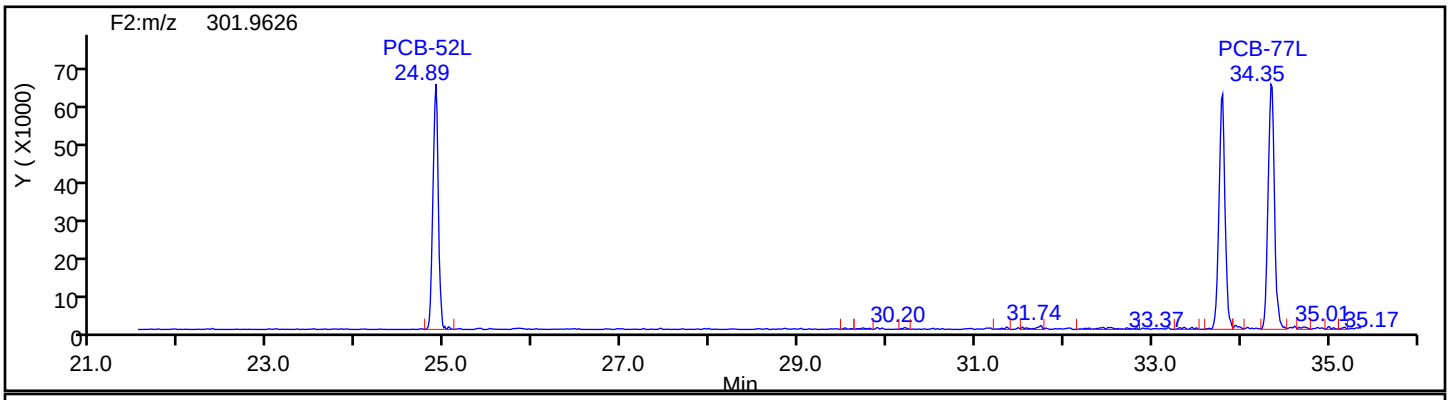
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

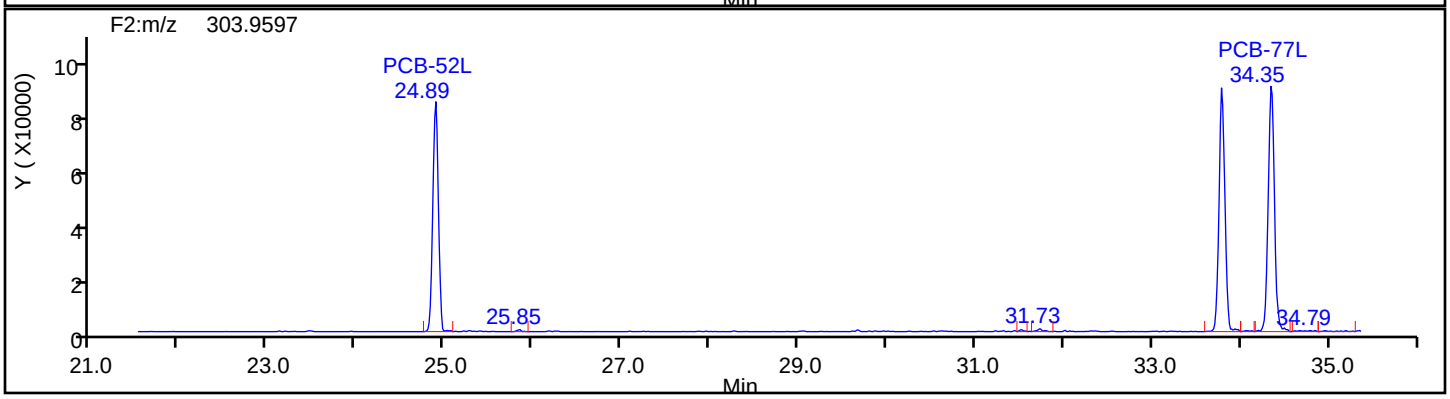
TePCB F2




TePCB F2 Standards

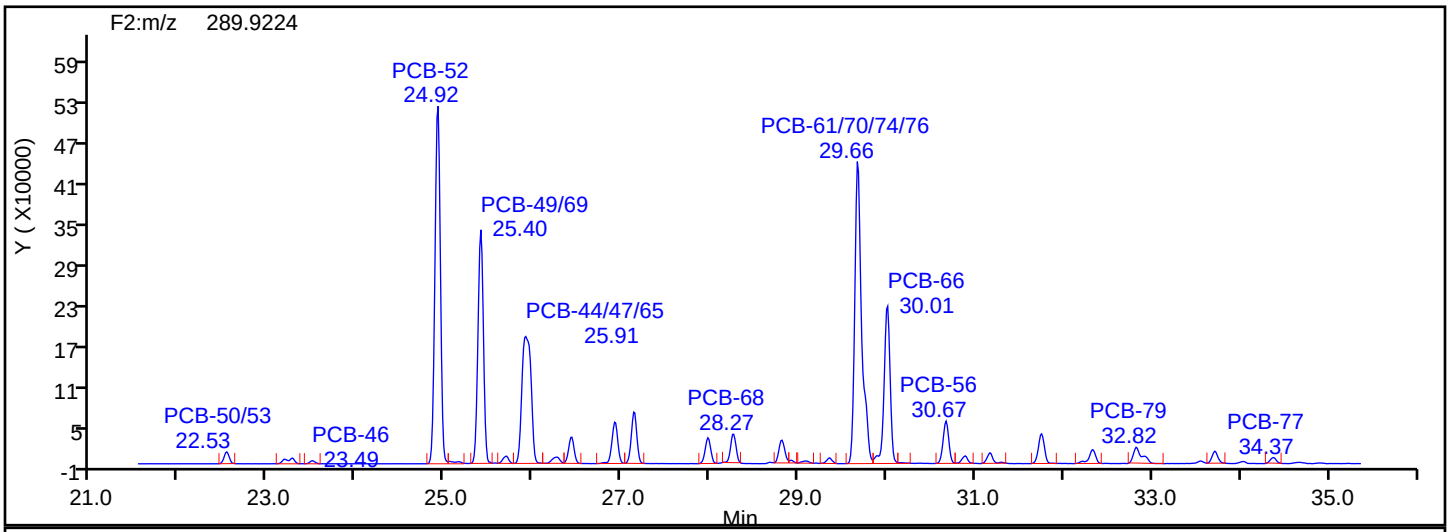


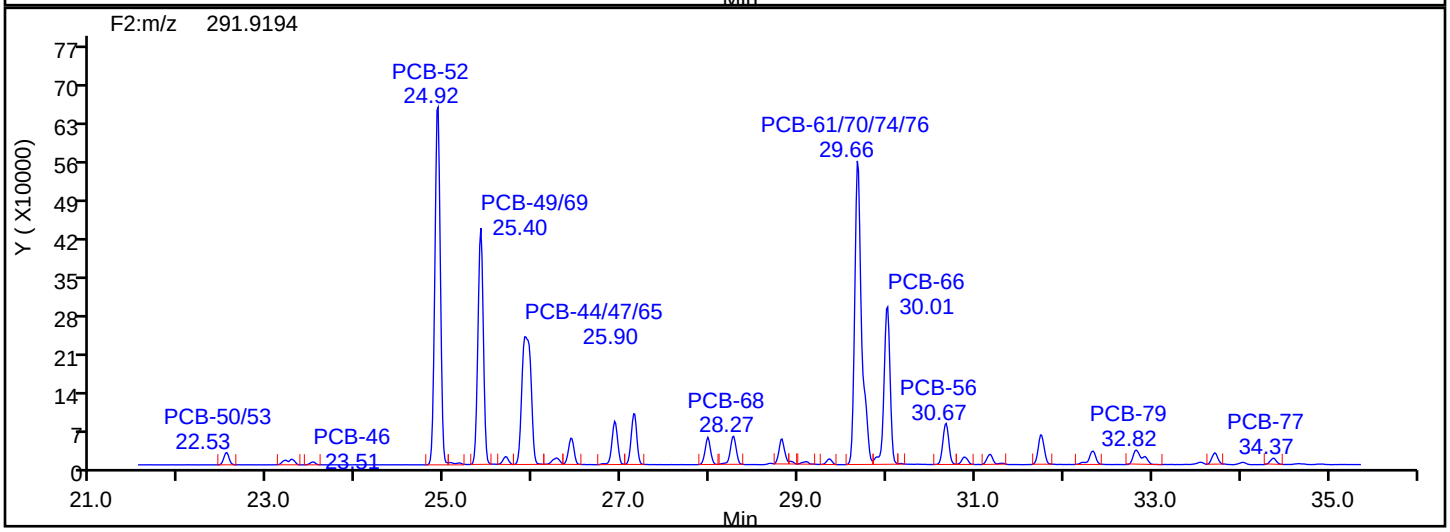



Eurofins TestAmerica, Knoxville

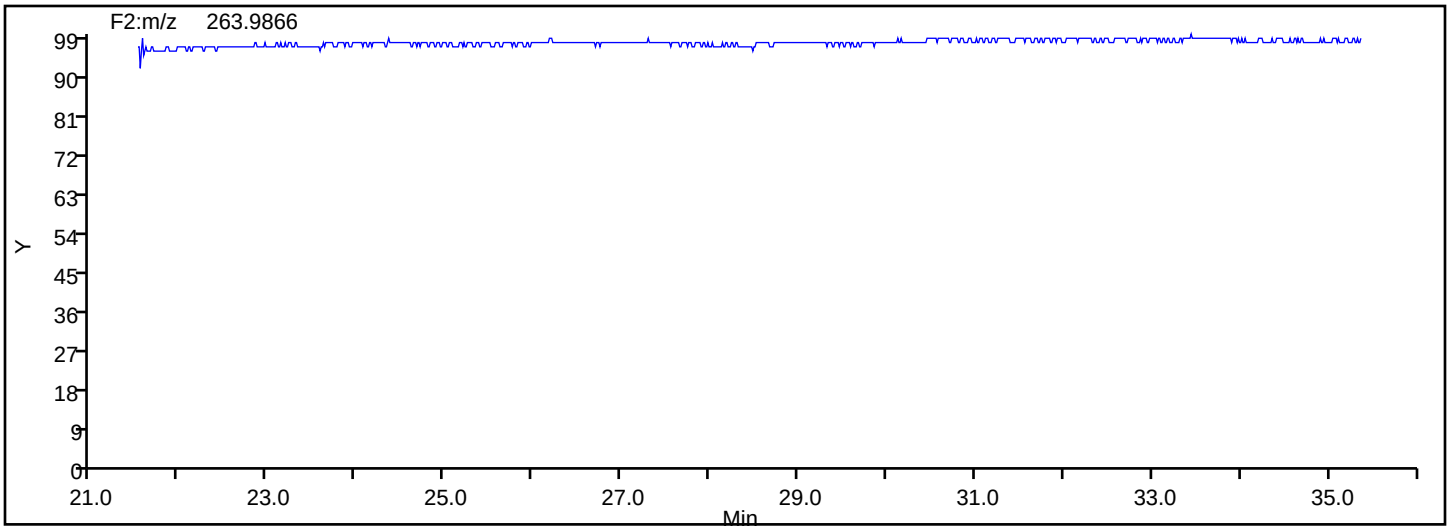
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

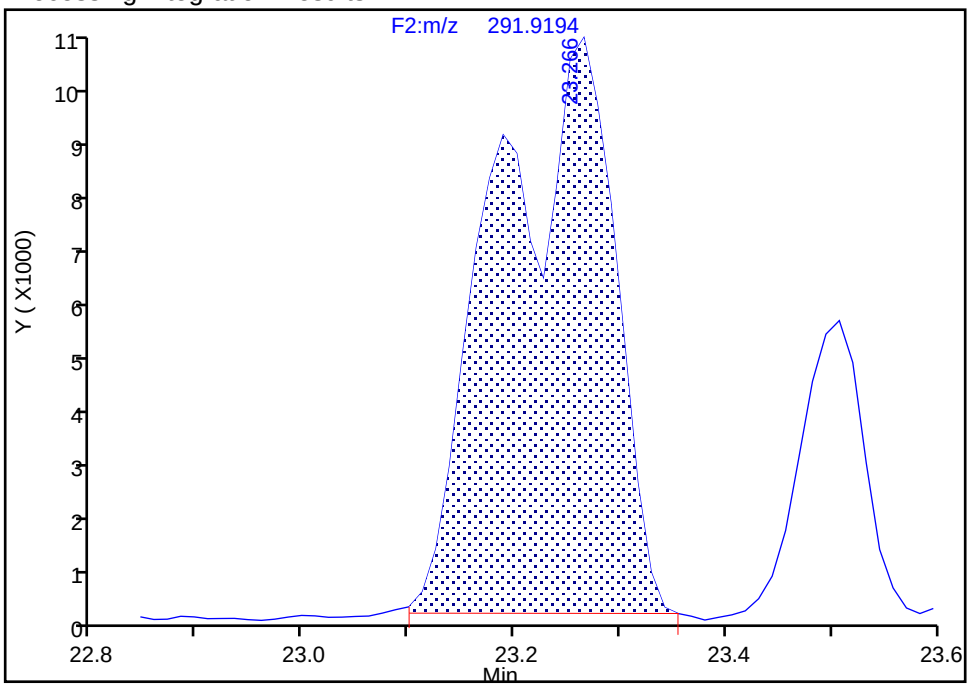
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

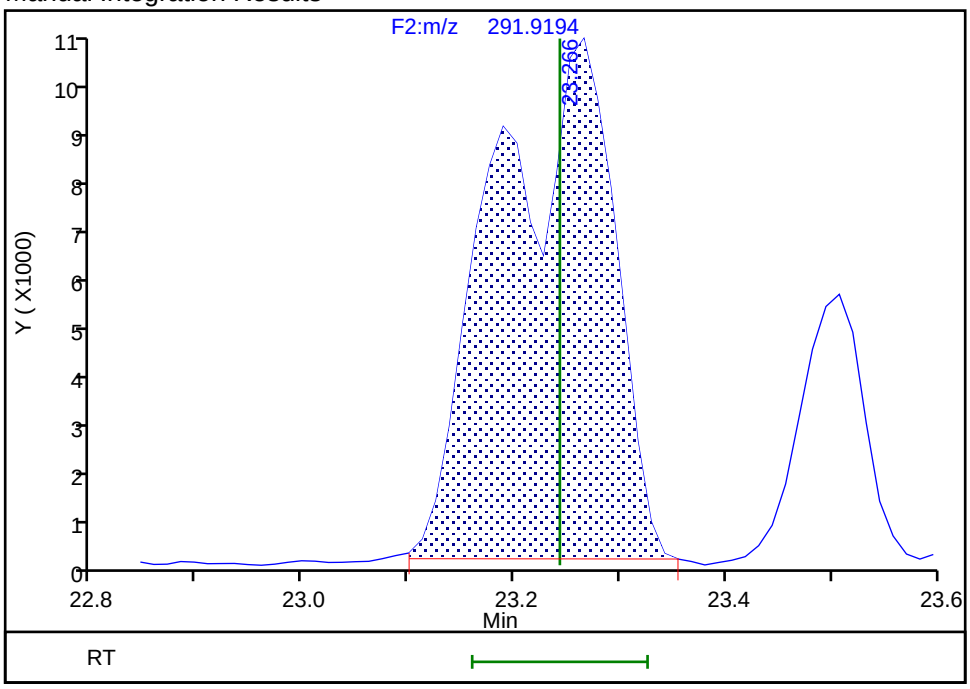
Processing Integration Results

RT: 23.27
Area: 78818
Amount: 3.923377
Amount Units: pg/ul




Manual Integration Results

RT: 23.27
Area: 78818
Amount: 4.429944
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:33:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

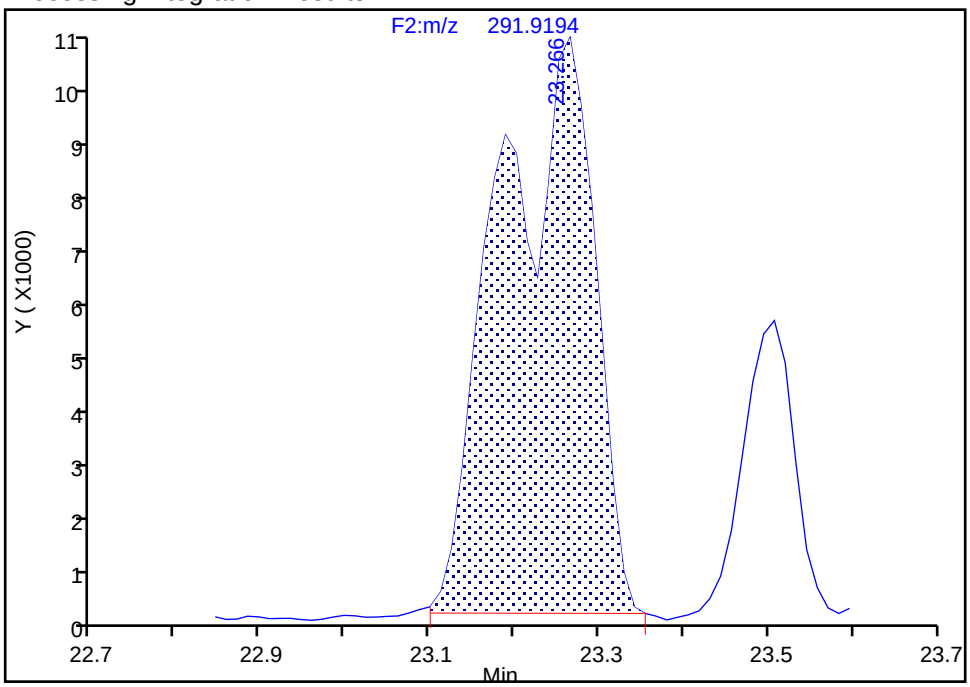
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.27
Area: 123750
Amount: 3.923377
Amount Units: pg/ul




Manual Integration Results

RT: 23.27
Area: 139728
Amount: 4.429944
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:33:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

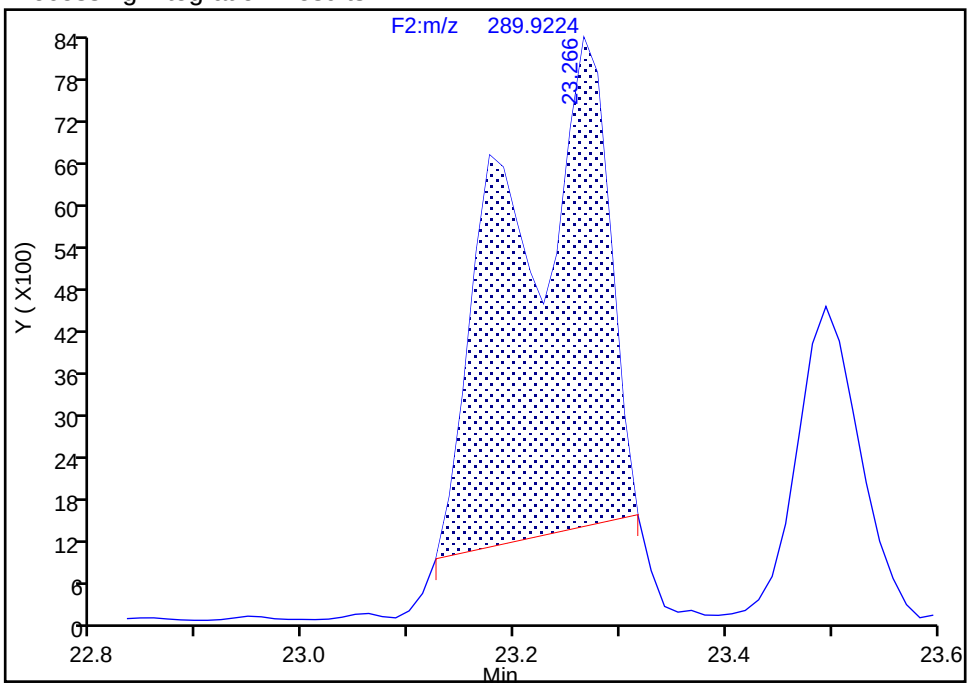
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

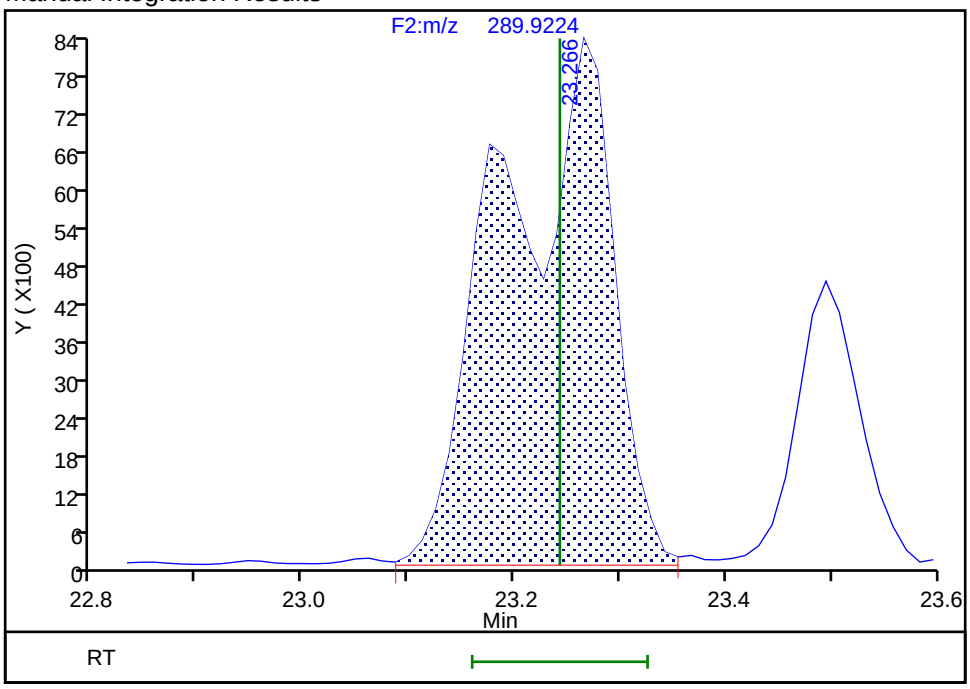
Processing Integration Results

RT: 23.27
Area: 44932
Amount: 3.923377
Amount Units: pg/ul




Manual Integration Results

RT: 23.27
Area: 60910
Amount: 4.429944
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:33:07

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

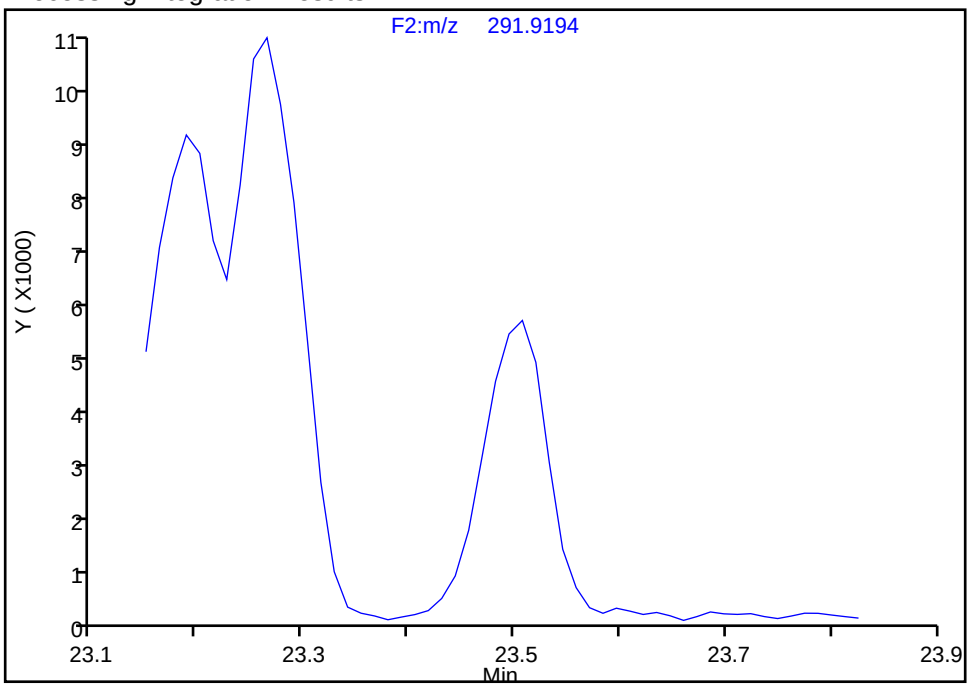
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-46, CAS: 41464-47-5

Signal: 2

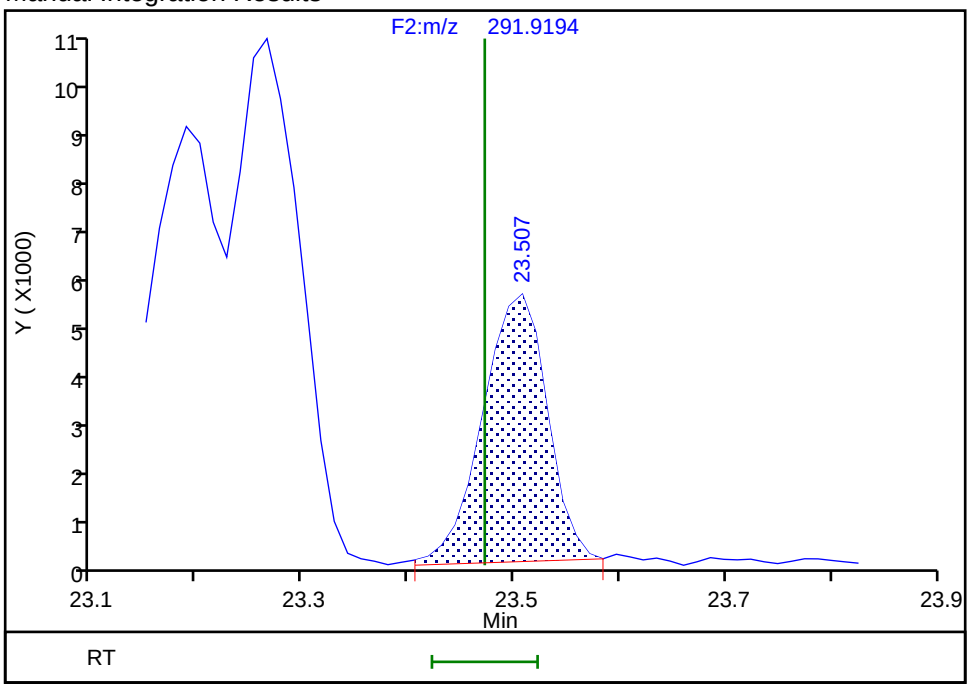
Not Detected
Expected RT: 23.47

Processing Integration Results




Manual Integration Results

RT: 23.51
Area: 22057
Amount: 1.512332
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:33:20
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

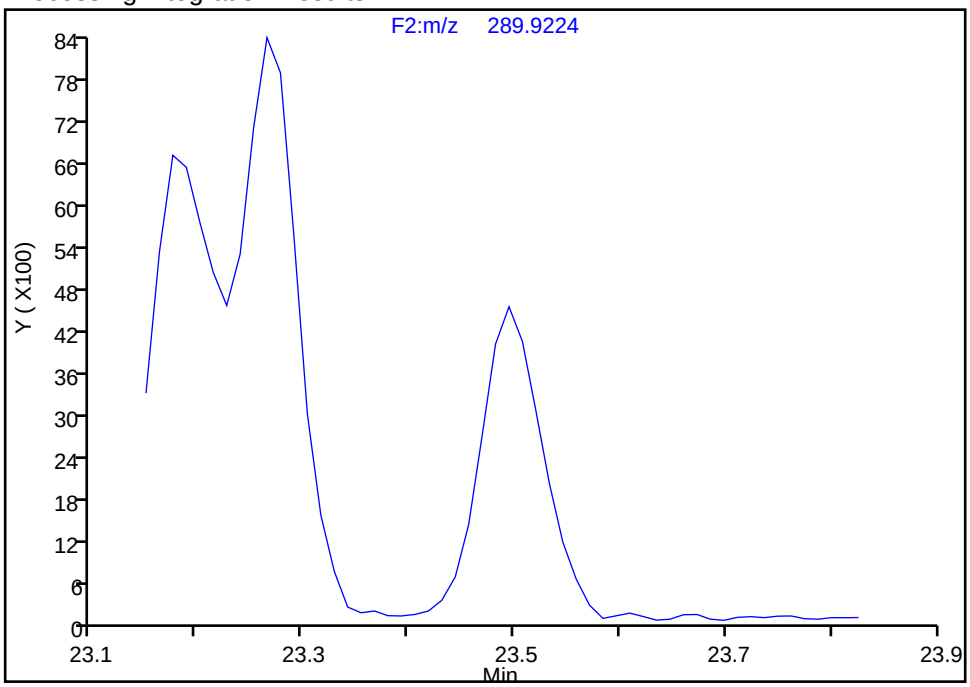
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-46, CAS: 41464-47-5

Signal: 1

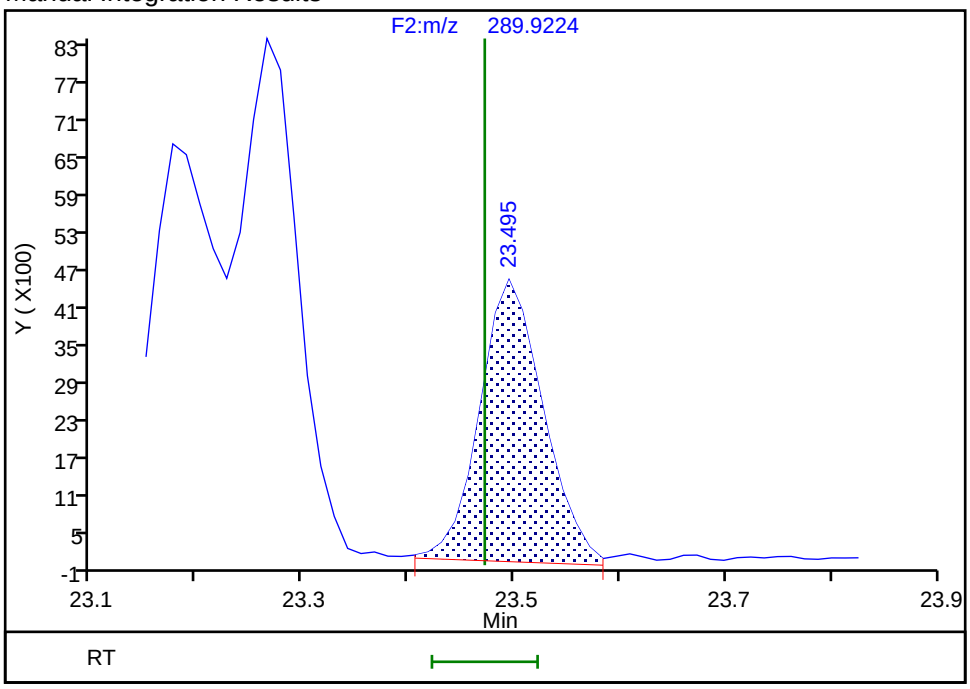
Not Detected
Expected RT: 23.47

Processing Integration Results




Manual Integration Results

RT: 23.49
Area: 18857
Amount: 1.512332
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:33:23
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

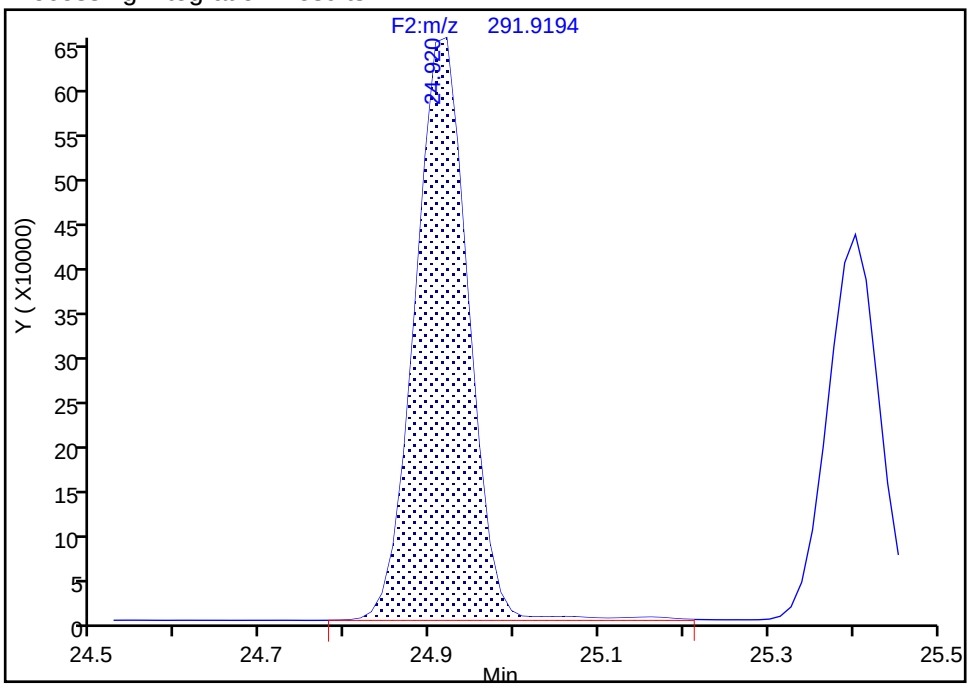
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

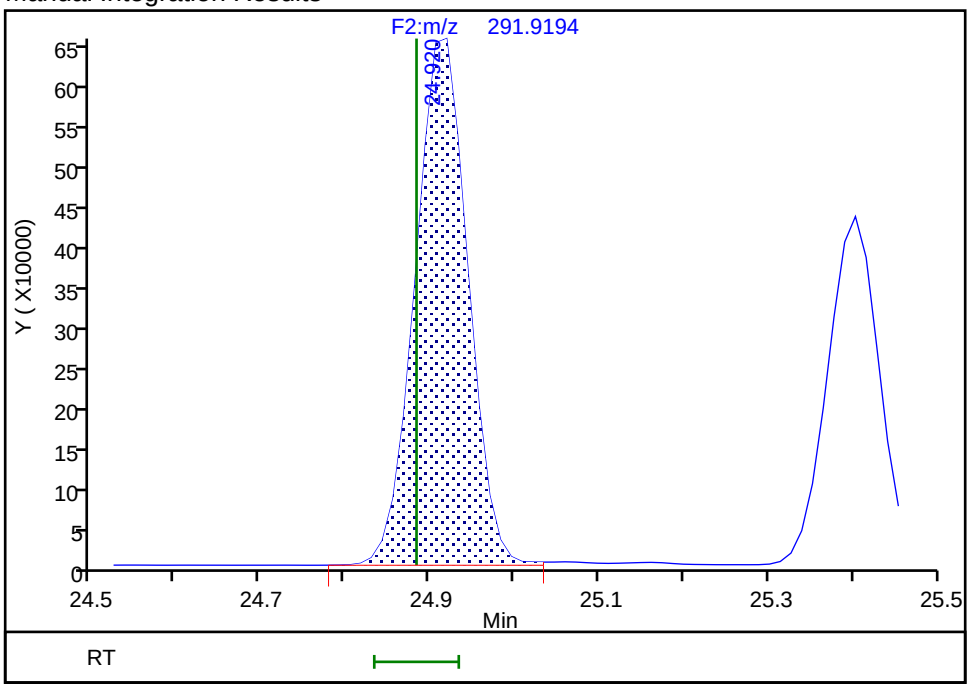
Processing Integration Results

RT: 24.92
Area: 2853367
Amount: 159.9752
Amount Units: pg/ul




Manual Integration Results

RT: 24.92
Area: 2821779
Amount: 158.1498
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:33:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

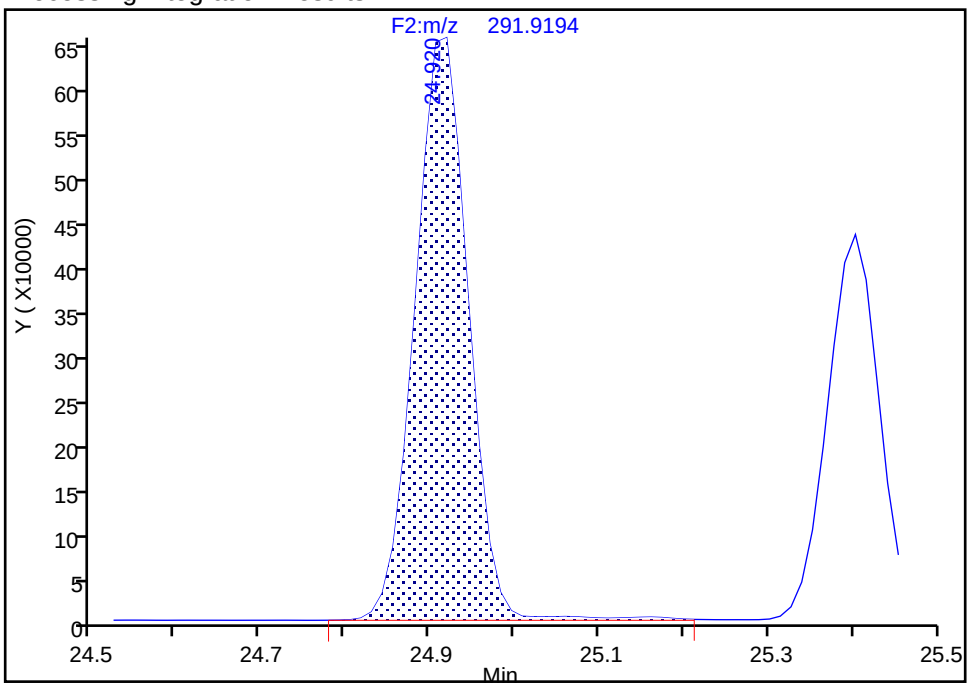
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 3

Processing Integration Results

RT: 24.92
Area: 5126940
Amount: 159.9752
Amount Units: pg/ul




Manual Integration Results

RT: 24.92
Area: 5068439
Amount: 158.1498
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:33:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

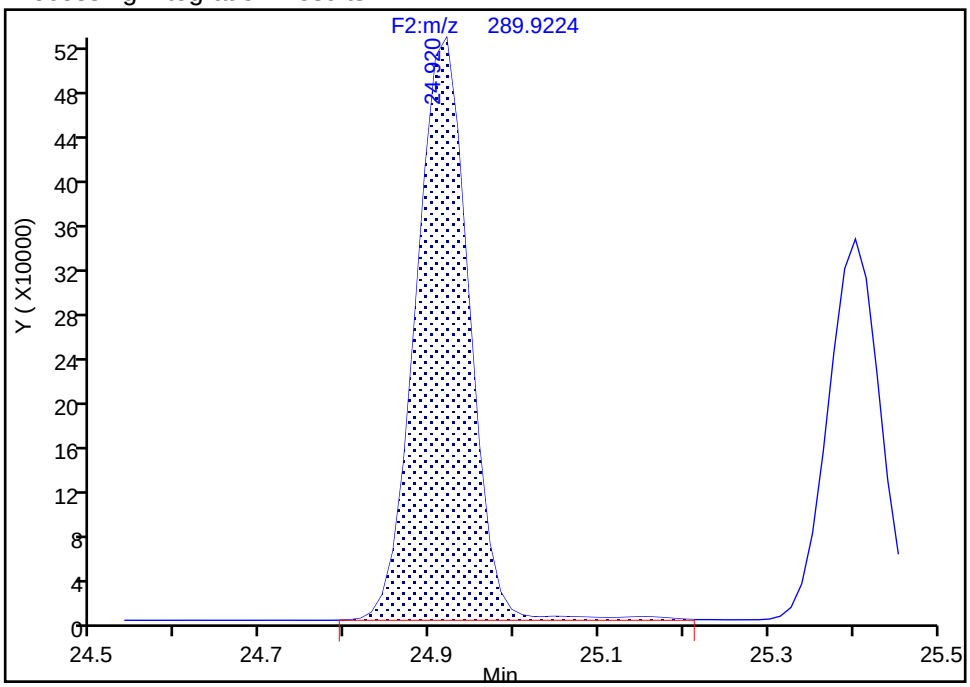
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

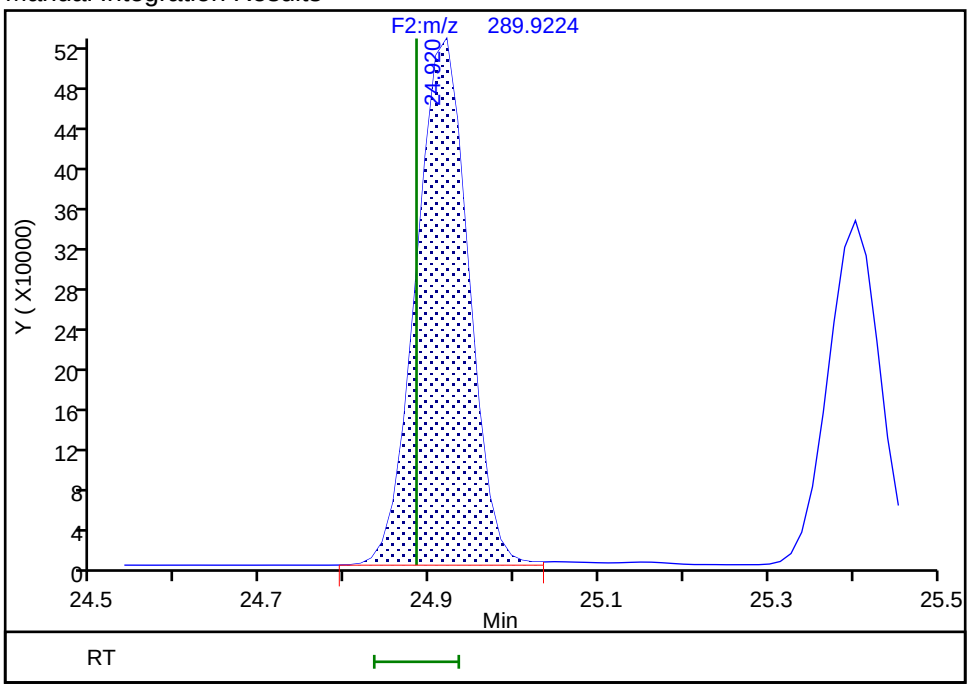
Processing Integration Results

RT: 24.92
Area: 2273573
Amount: 159.9752
Amount Units: pg/ul




Manual Integration Results

RT: 24.92
Area: 2246660
Amount: 158.1498
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:33:44

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

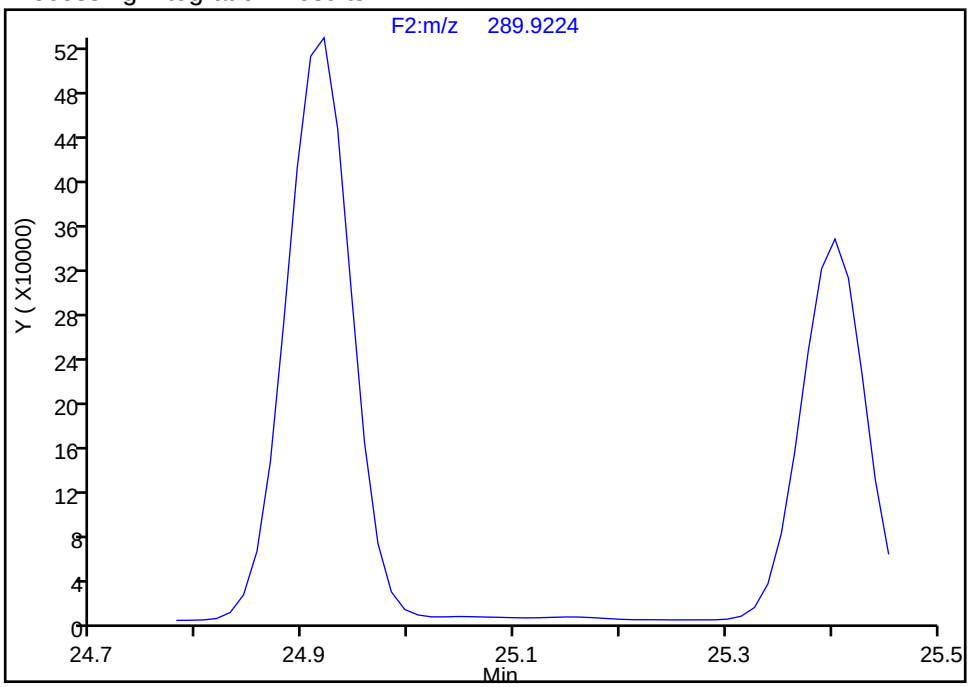
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

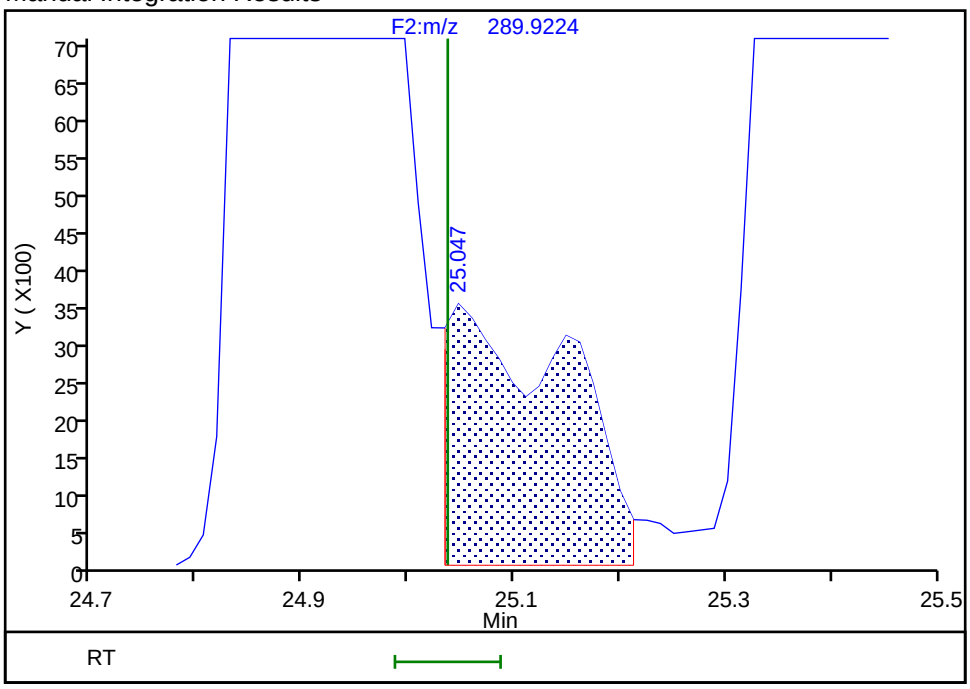
Not Detected
Expected RT: 25.04

Processing Integration Results




Manual Integration Results

RT: 25.05
Area: 26912
Amount: 1.642497
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:33:48
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

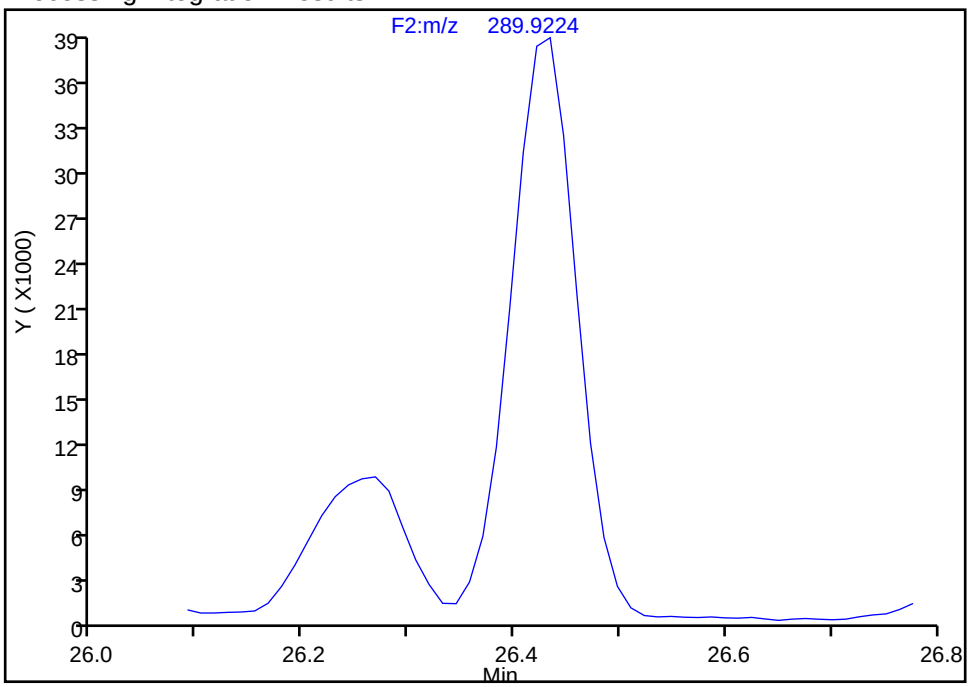
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-42, CAS: 36559-22-5

Signal: 1

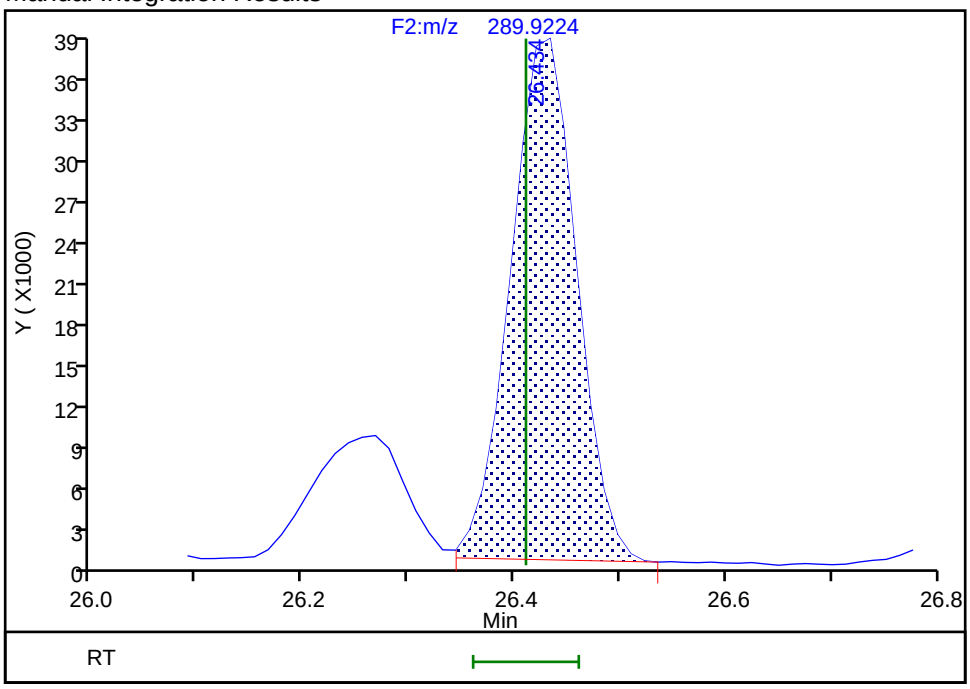
Not Detected
Expected RT: 26.41

Processing Integration Results




Manual Integration Results

RT: 26.43
Area: 165734
Amount: 12.180513
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:34:02
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

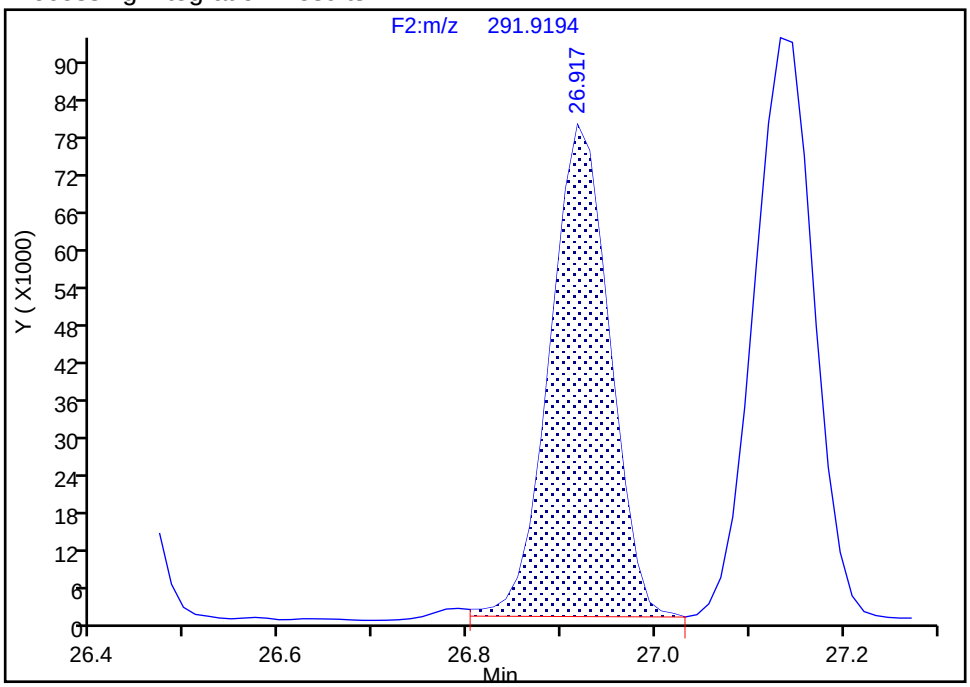
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

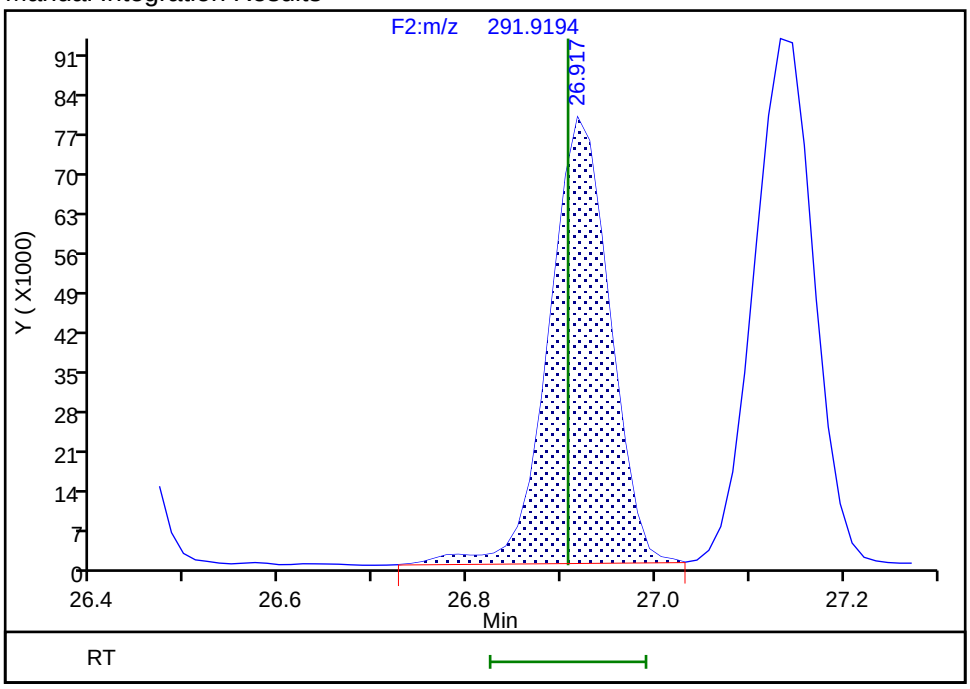
Processing Integration Results

RT: 26.92
Area: 346282
Amount: 18.912815
Amount Units: pg/ul




Manual Integration Results

RT: 26.92
Area: 355016
Amount: 19.358201
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:34:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

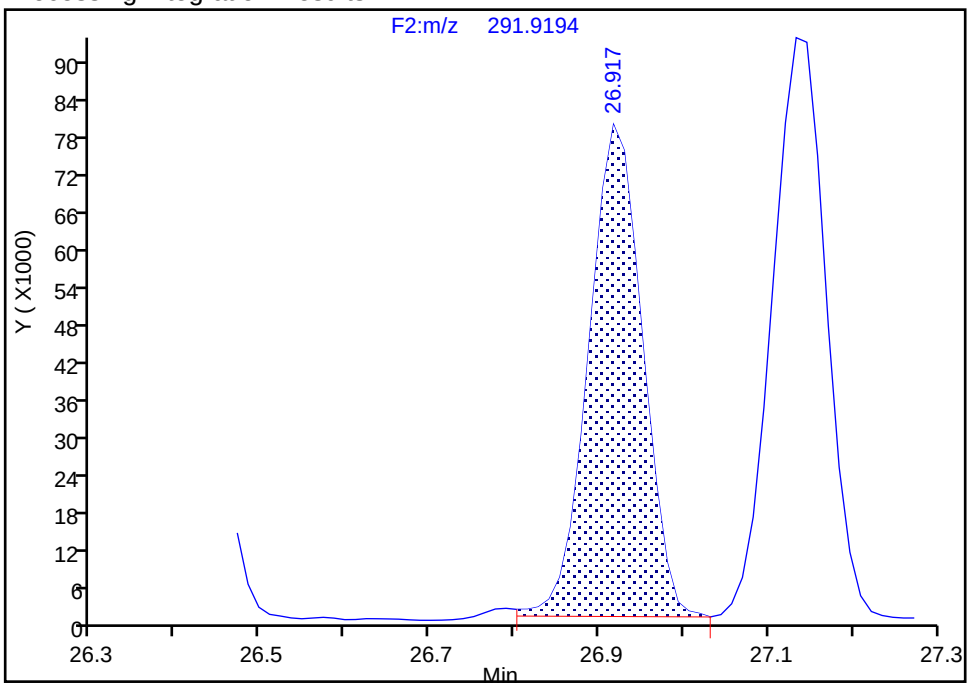
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.92
Area: 618698
Amount: 18.912815
Amount Units: pg/ul




Manual Integration Results

RT: 26.92
Area: 633268
Amount: 19.358201
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:34:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

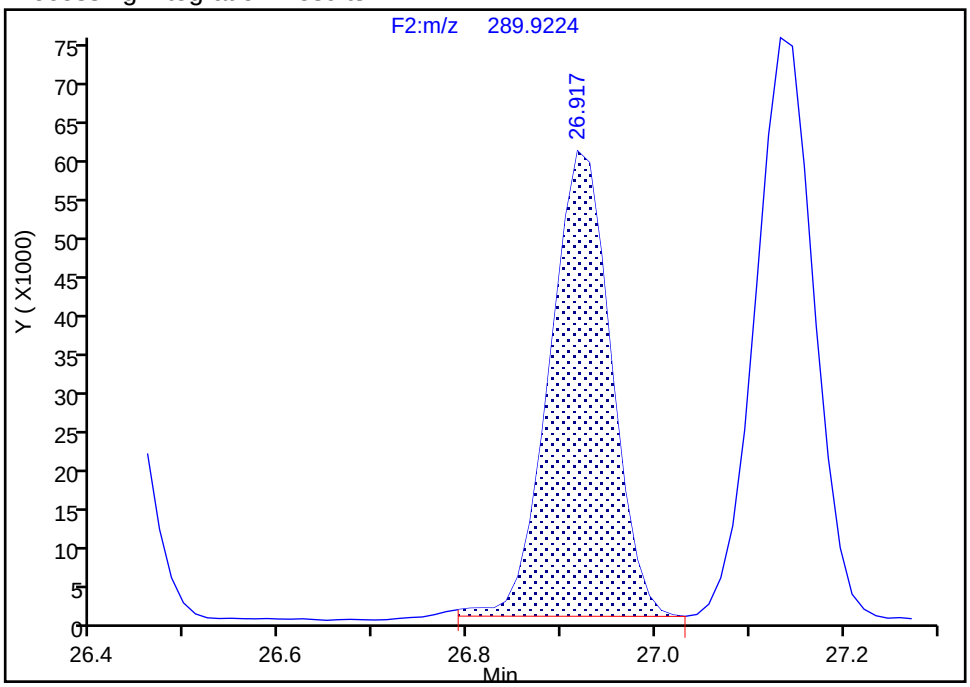
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

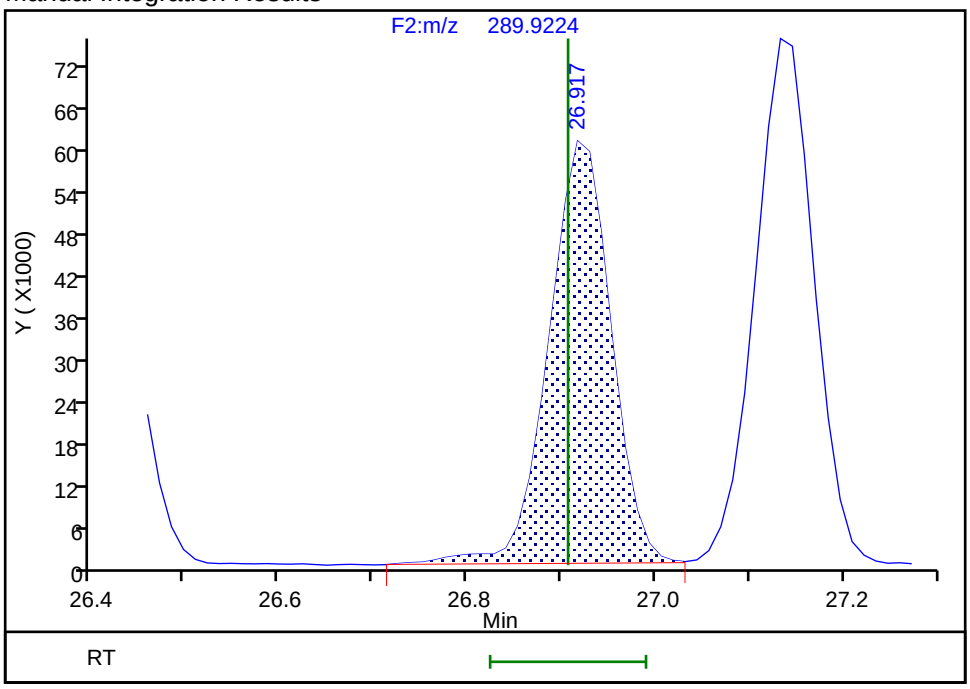
Processing Integration Results

RT: 26.92
Area: 272416
Amount: 18.912815
Amount Units: pg/ul




Manual Integration Results

RT: 26.92
Area: 278252
Amount: 19.358201
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:34:27

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

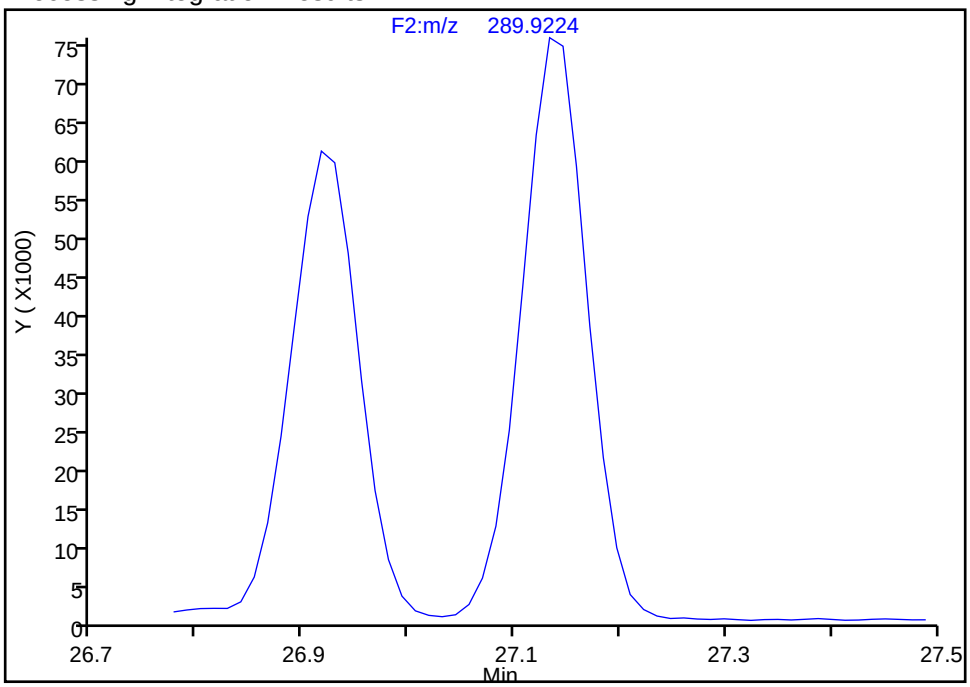
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

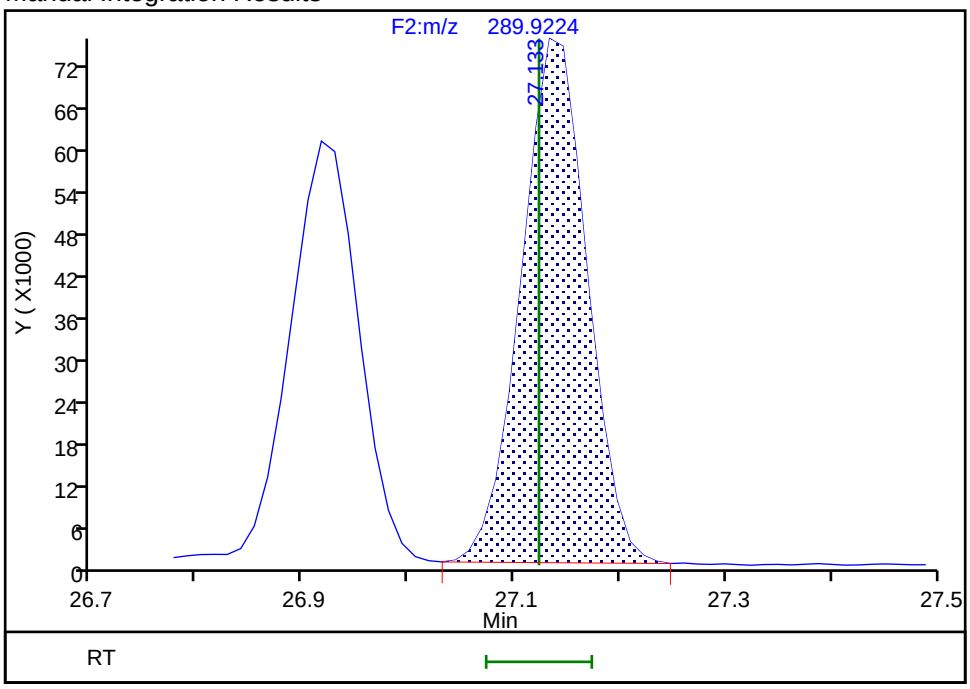
Not Detected
Expected RT: 27.12

Processing Integration Results




Manual Integration Results

RT: 27.13
Area: 324295
Amount: 14.509326
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:34:34
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

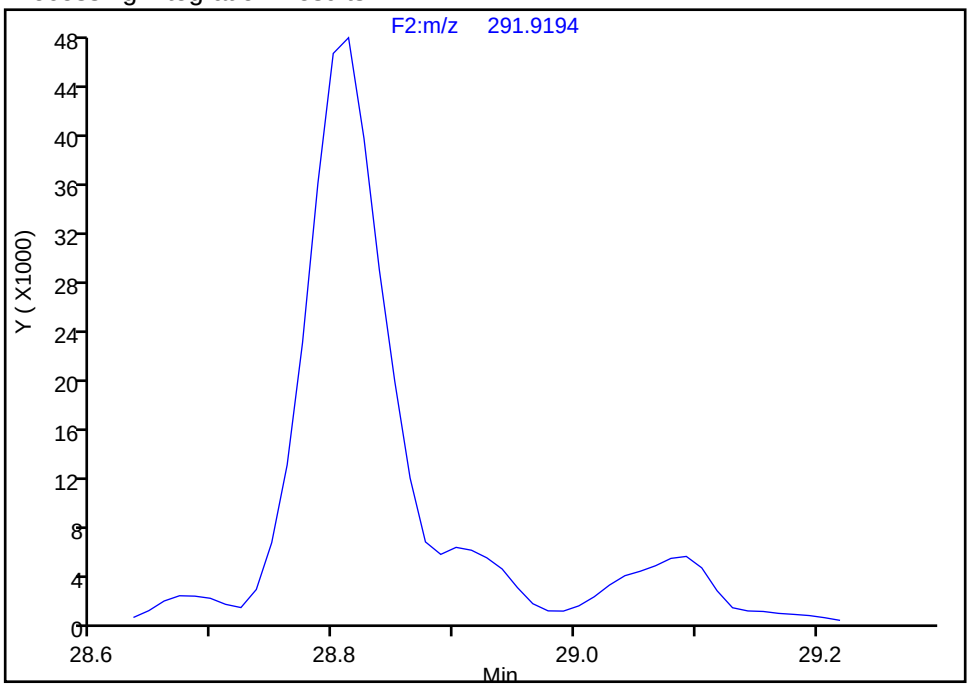
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

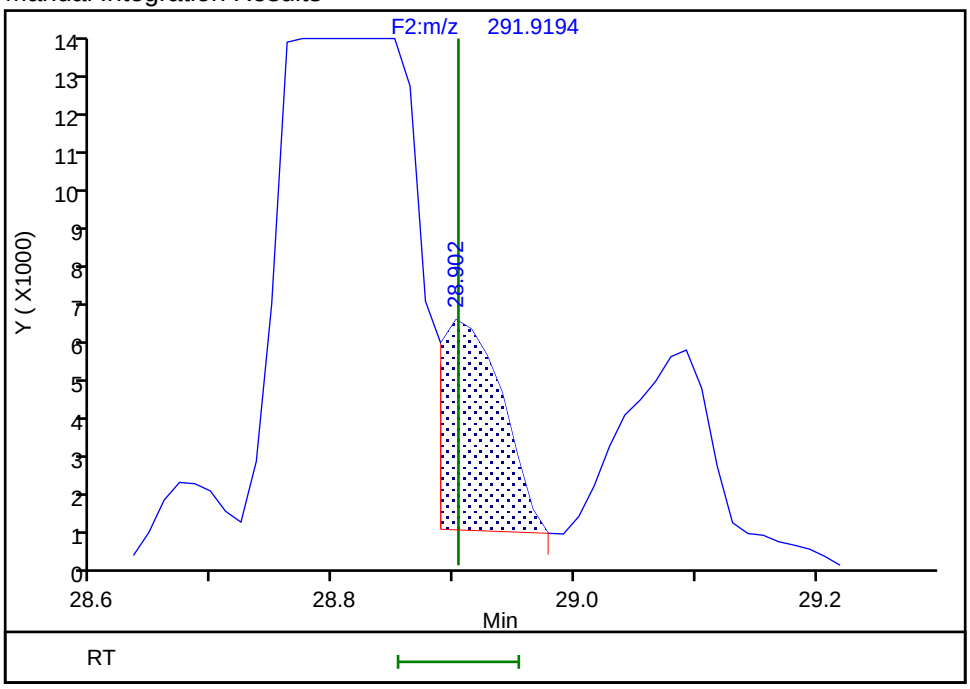
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.90
Area: 16582
Amount: 0.625791
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:34:55
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

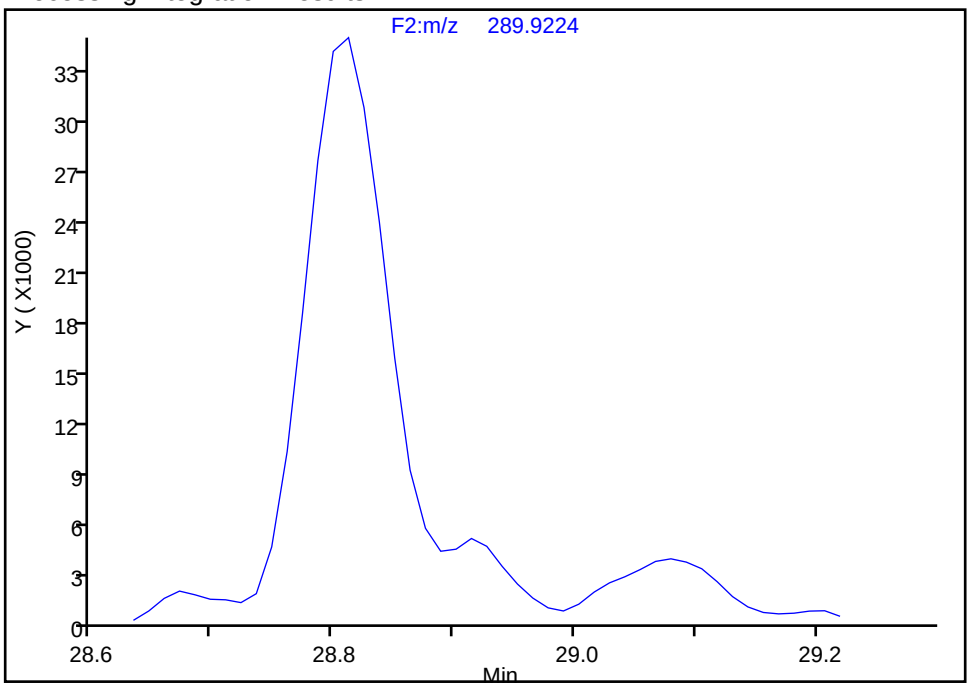
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

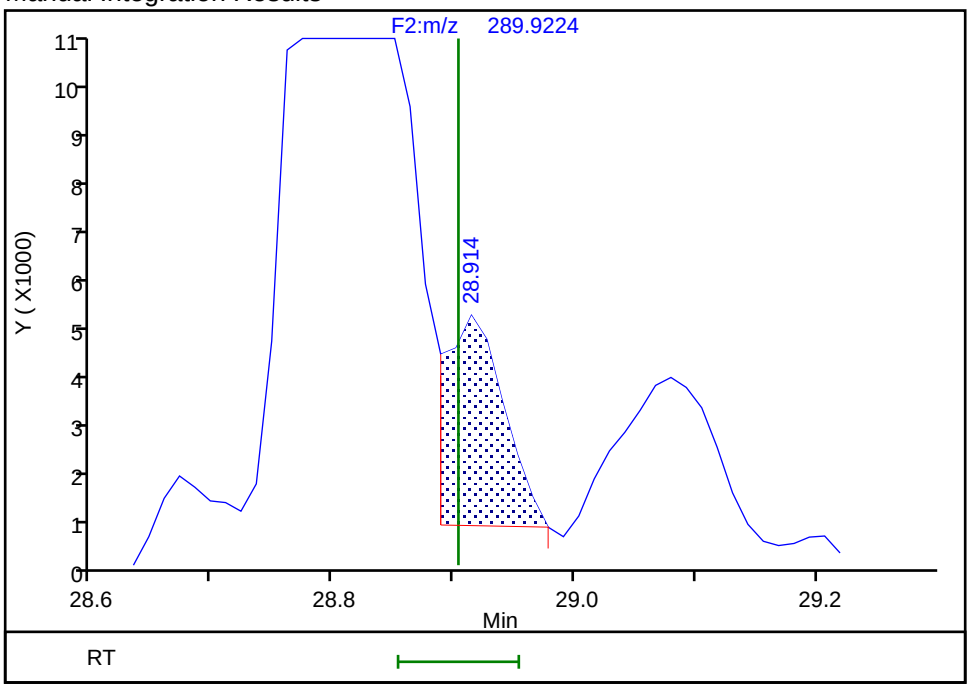
Not Detected
Expected RT: 28.90

Processing Integration Results




Manual Integration Results

RT: 28.91
Area: 12888
Amount: 0.625791
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:34:59
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

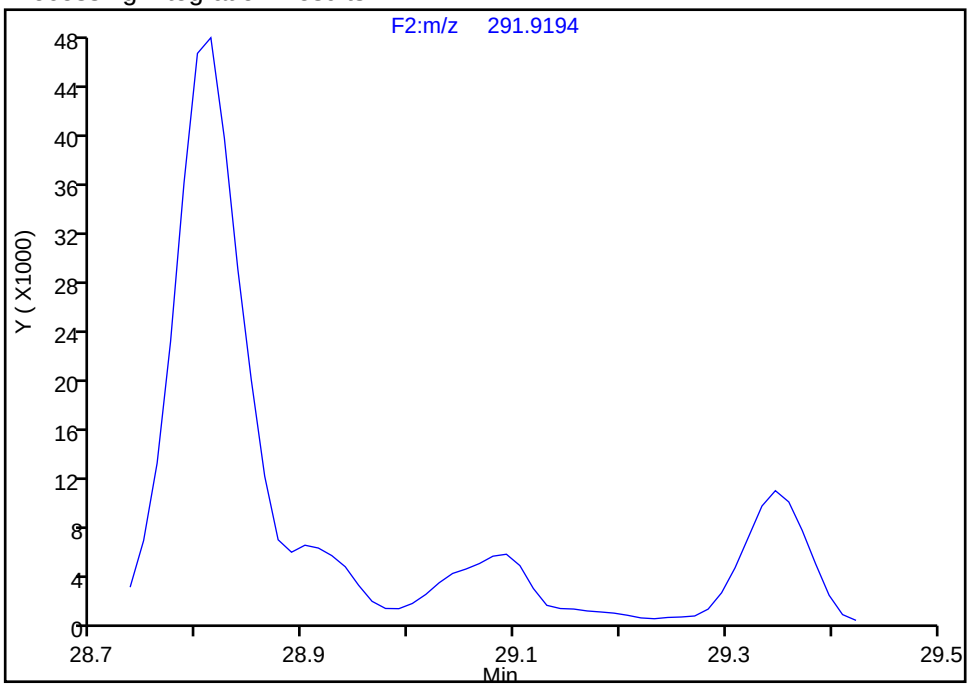
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-67, CAS: 73575-53-8

Signal: 2

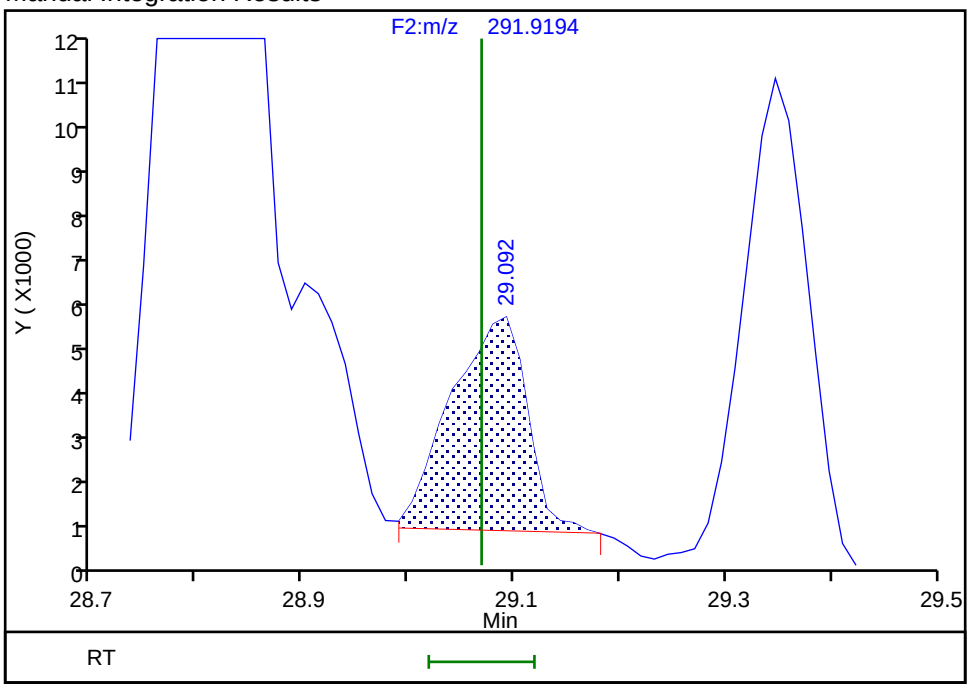
Not Detected
Expected RT: 29.07

Processing Integration Results




Manual Integration Results

RT: 29.09
Area: 22673
Amount: 0.806951
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:35:33
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

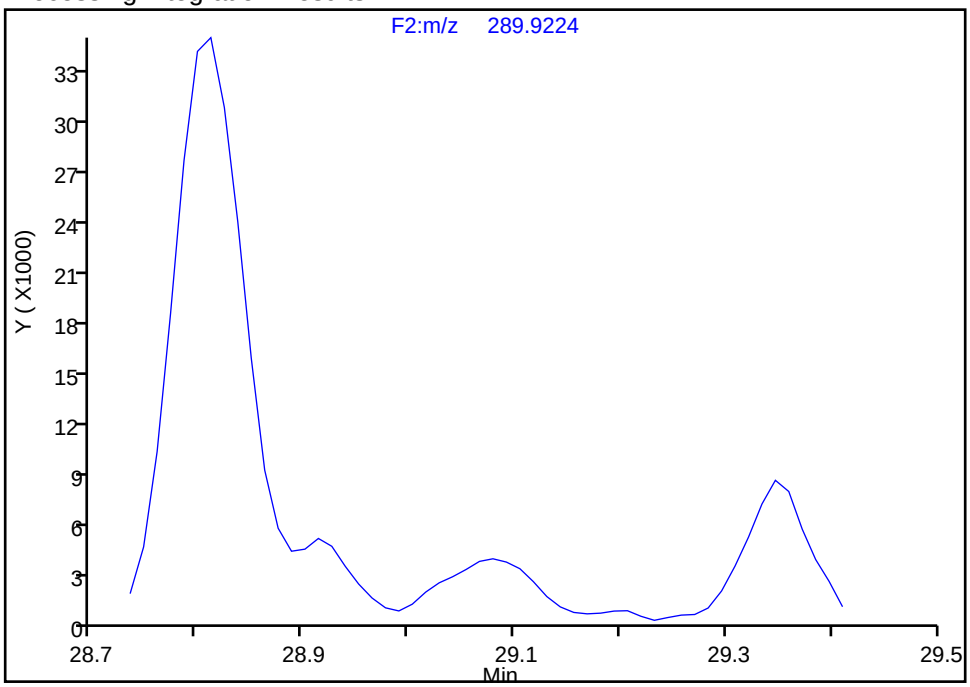
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-67, CAS: 73575-53-8

Signal: 1

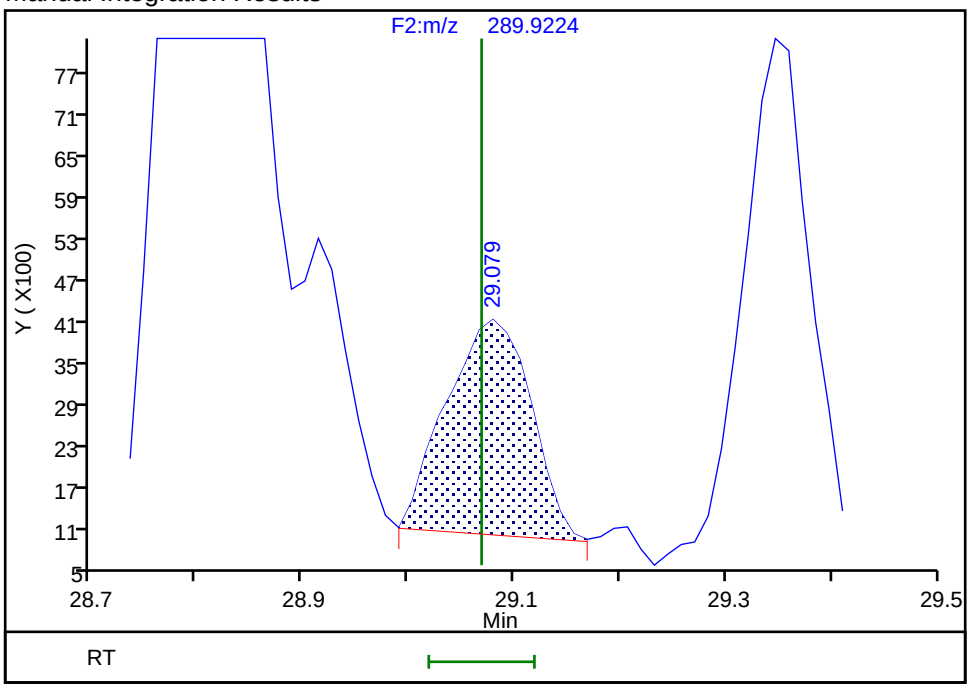
Not Detected
Expected RT: 29.07

Processing Integration Results




Manual Integration Results

RT: 29.08
Area: 17430
Amount: 0.806951
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:35:37
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

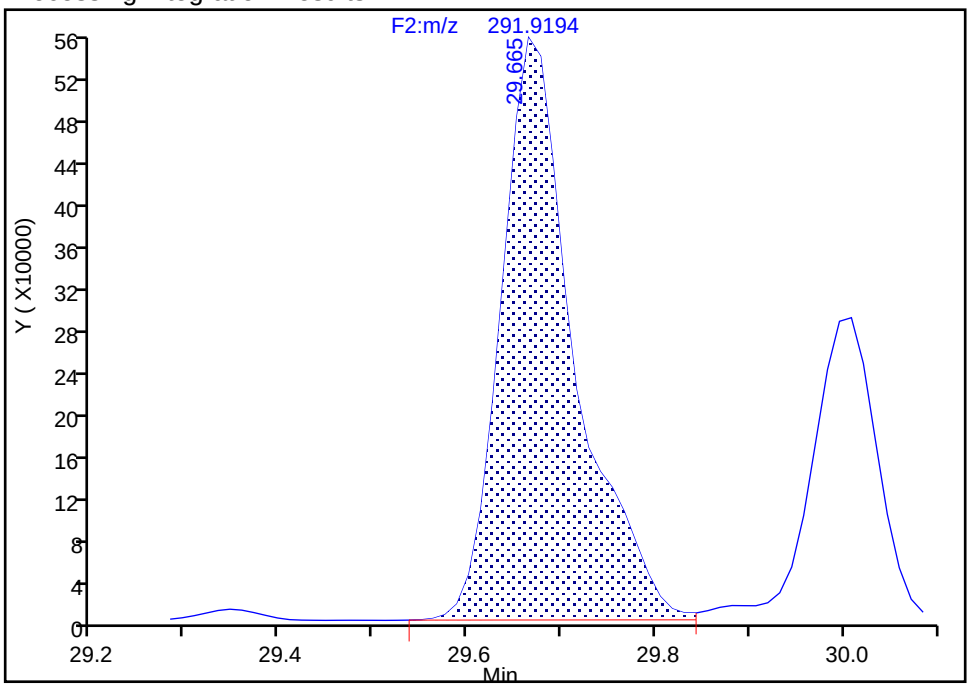
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 2

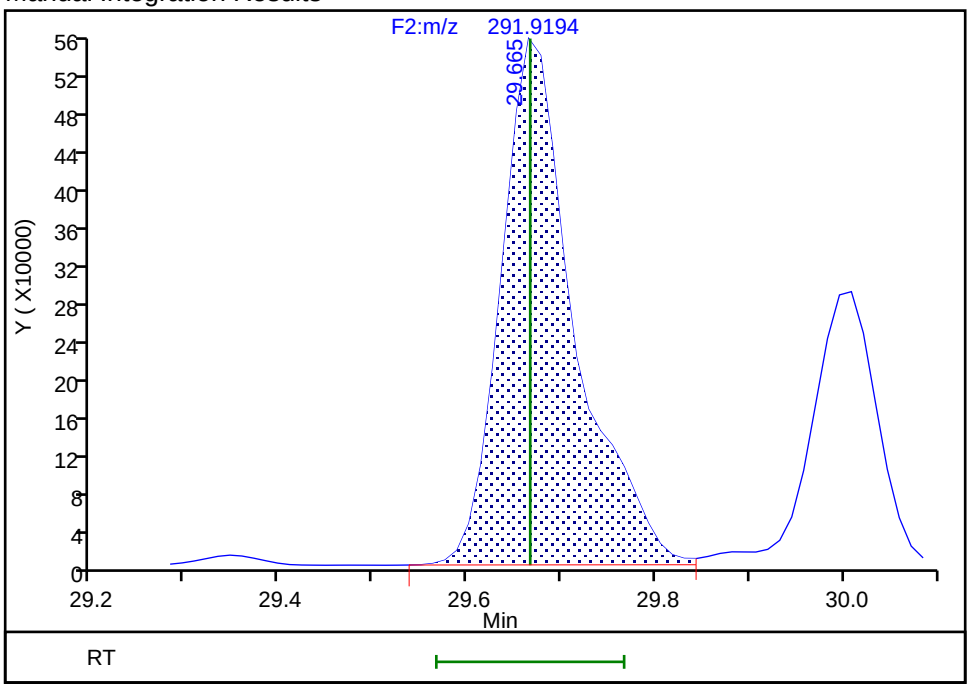
Processing Integration Results

RT: 29.66
Area: 3017583
Amount: 111.7603
Amount Units: pg/ul




Manual Integration Results

RT: 29.66
Area: 3017583
Amount: 112.0808
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 01:28:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

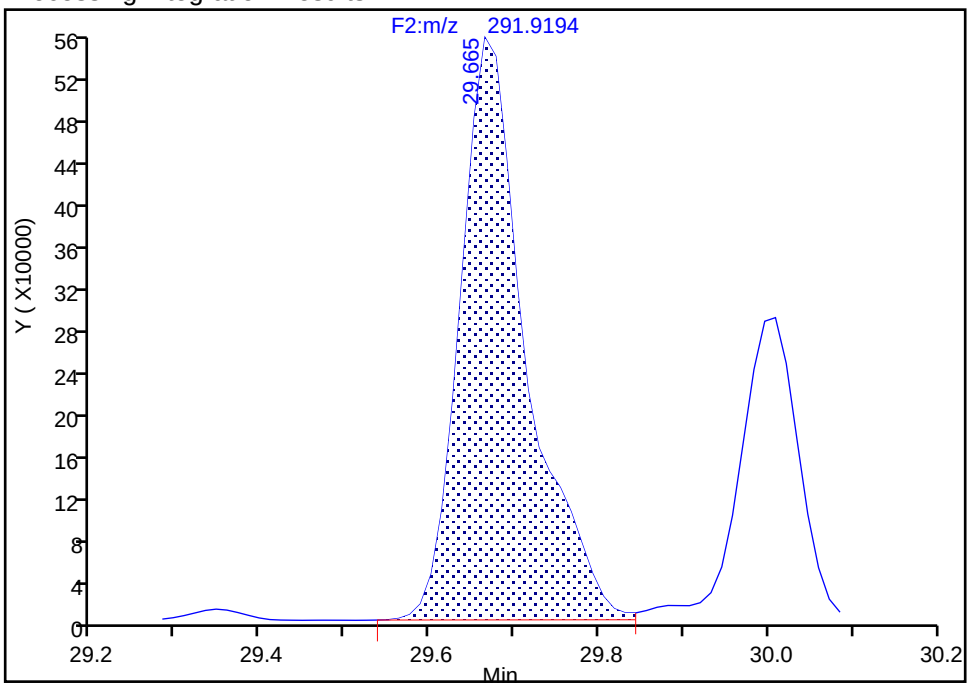
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 3

Processing Integration Results

RT: 29.66
Area: 5403124
Amount: 111.7603
Amount Units: pg/ul




Manual Integration Results

RT: 29.66
Area: 5418618
Amount: 112.0808
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 01:28:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

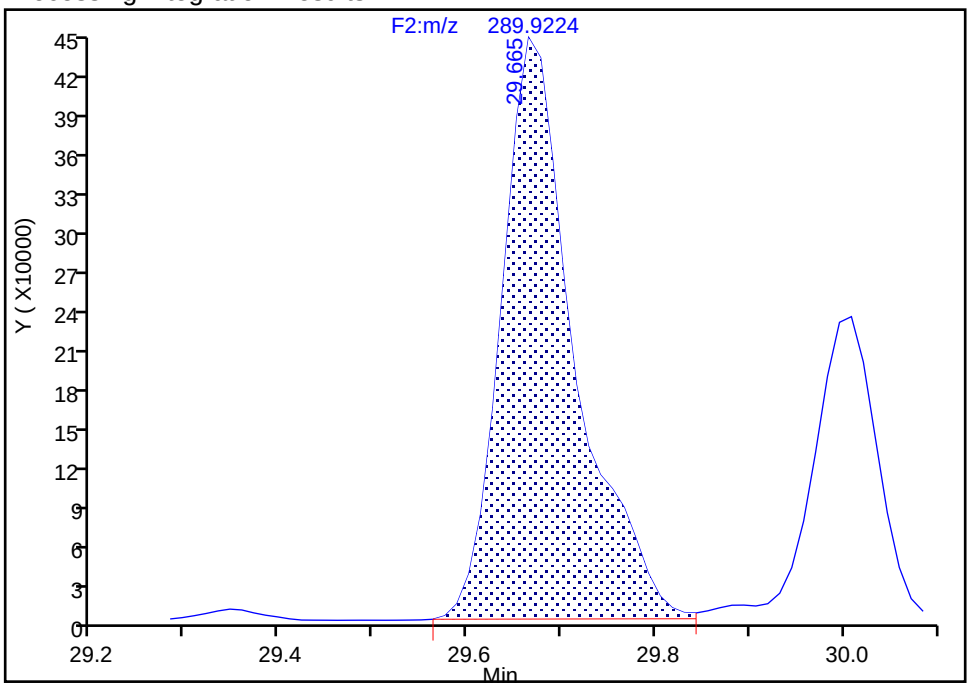
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 1

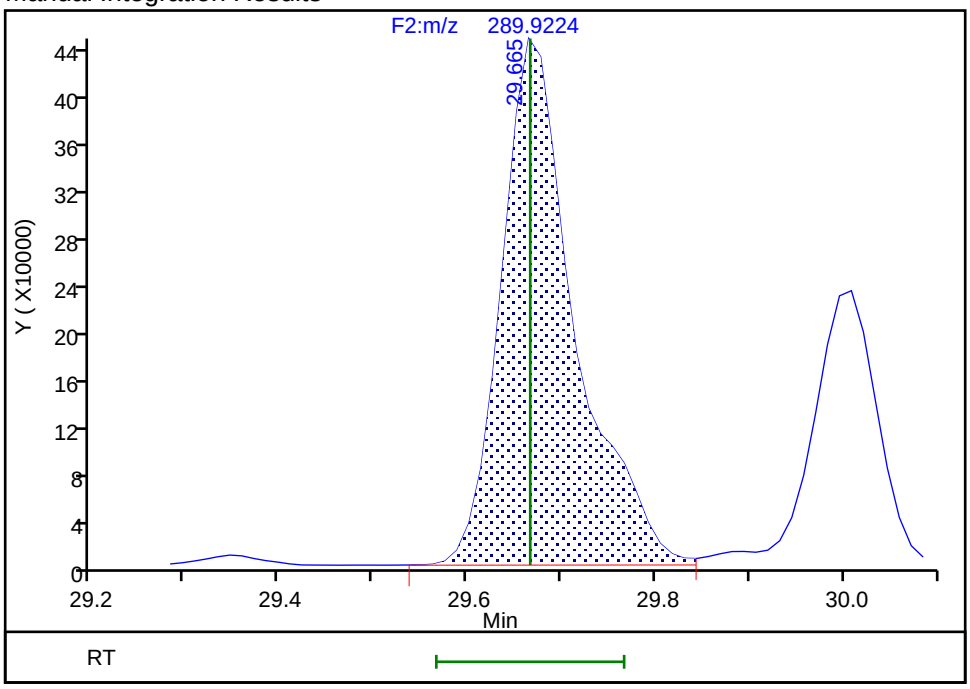
Processing Integration Results

RT: 29.66
Area: 2385541
Amount: 111.7603
Amount Units: pg/ul




Manual Integration Results

RT: 29.66
Area: 2401035
Amount: 112.0808
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 01:28:12
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

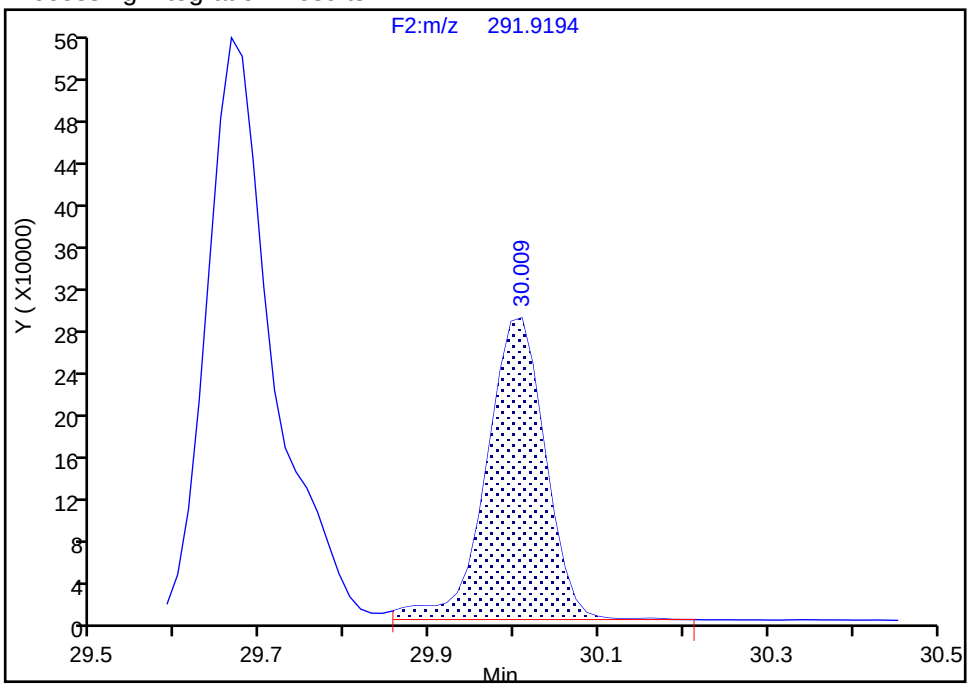
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

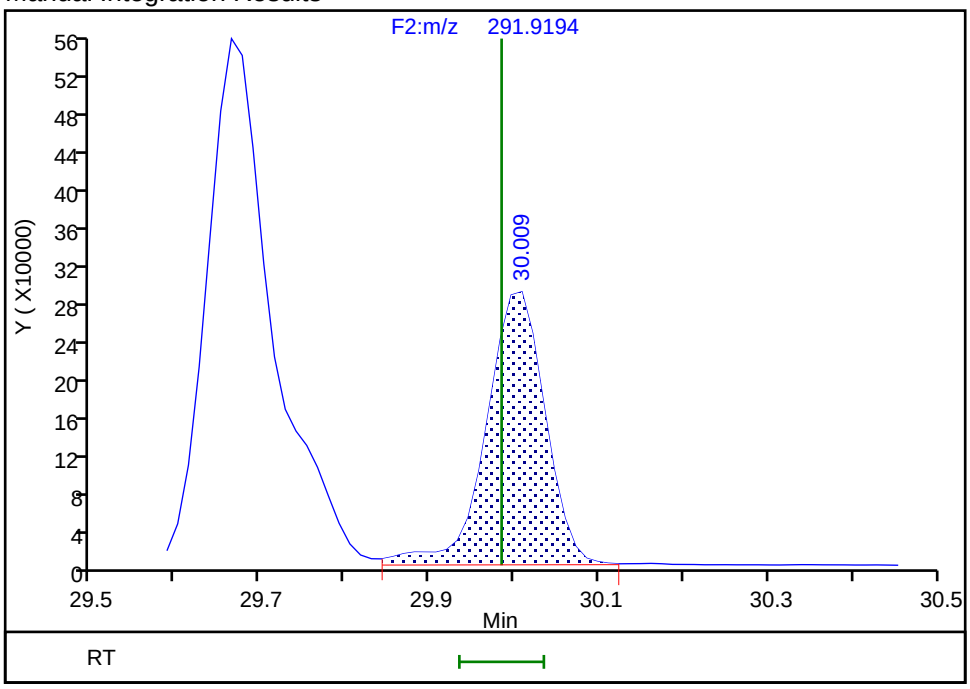
Processing Integration Results

RT: 30.01
Area: 1383225
Amount: 54.134772
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 1391669
Amount: 54.686553
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:37:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

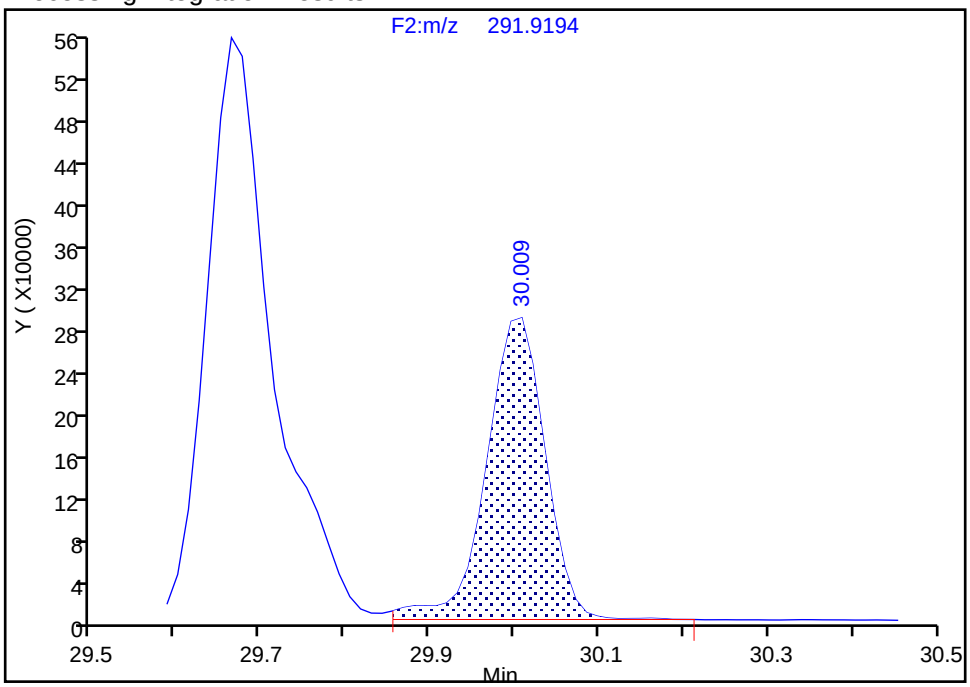
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 30.01
Area: 2469504
Amount: 54.134772
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 2494675
Amount: 54.686553
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:37:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

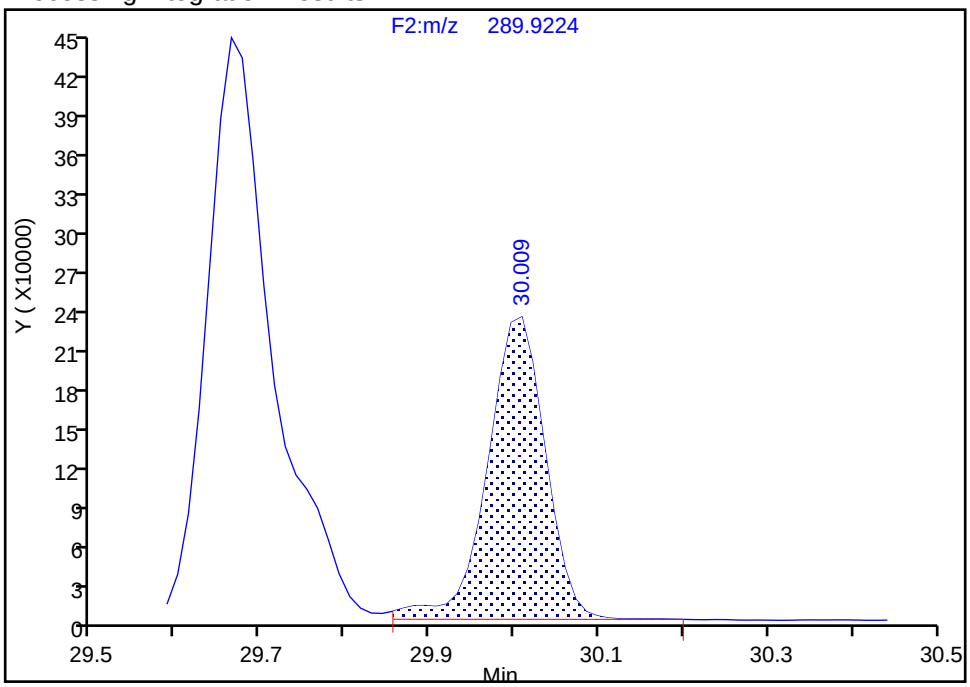
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

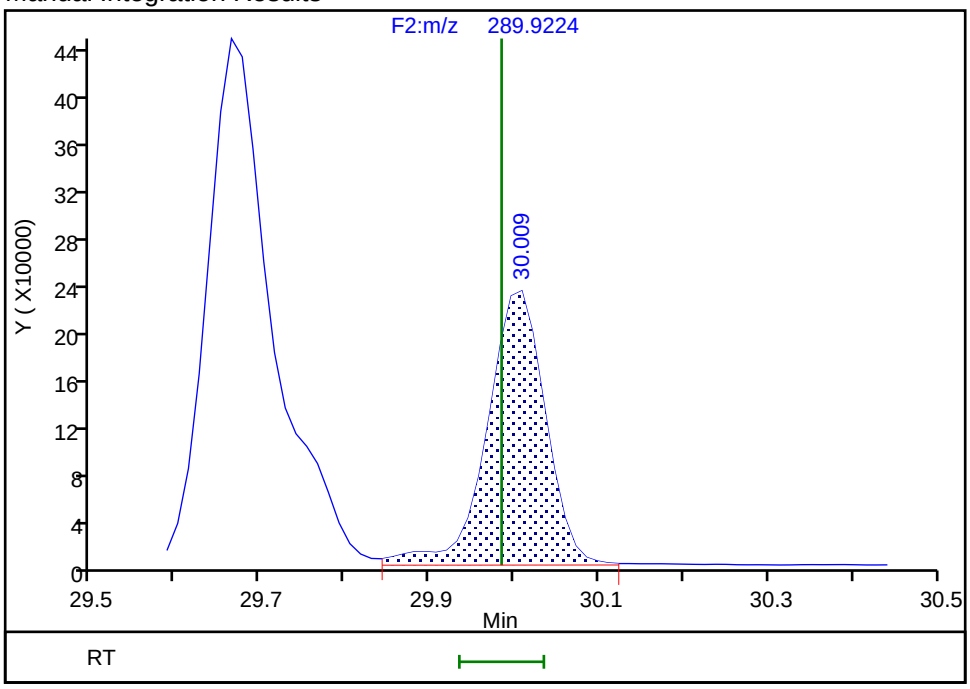
Processing Integration Results

RT: 30.01
Area: 1086279
Amount: 54.134772
Amount Units: pg/ul




Manual Integration Results

RT: 30.01
Area: 1103006
Amount: 54.686553
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:37:07

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

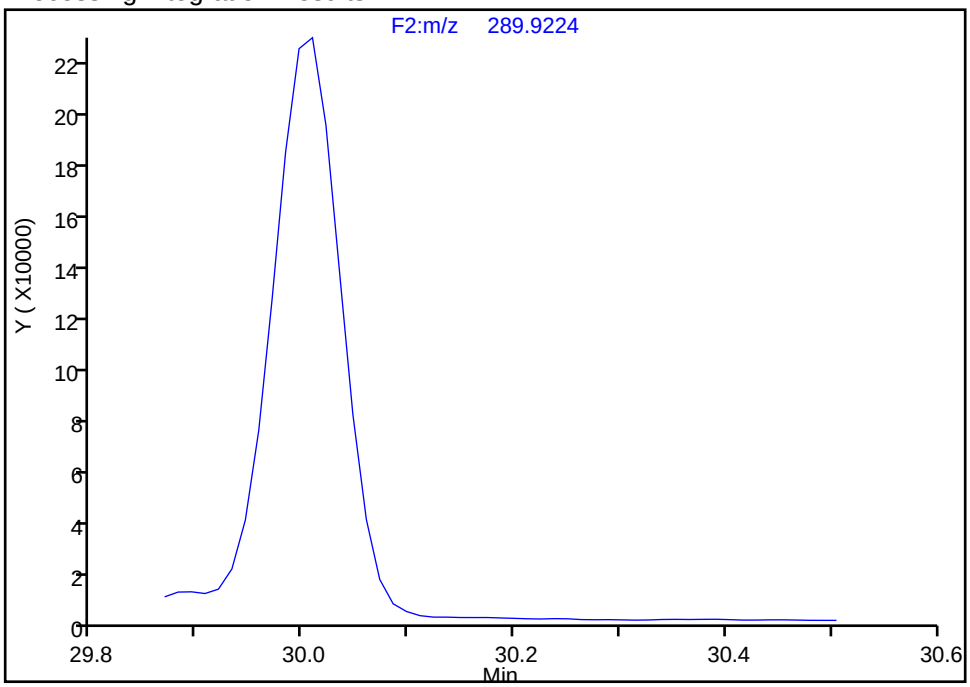
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

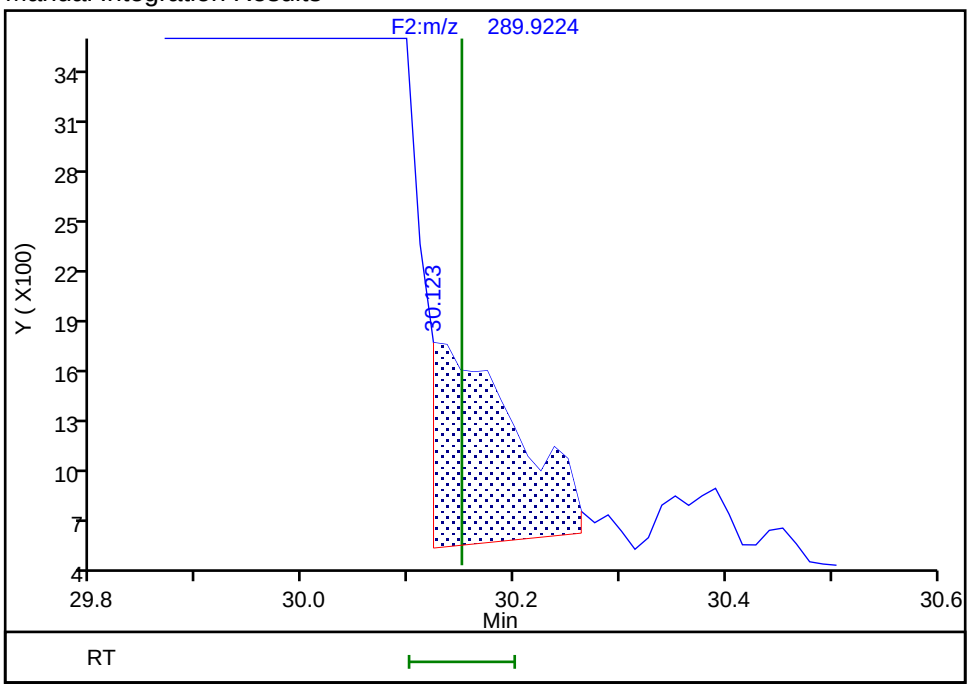
Not Detected
Expected RT: 30.15

Processing Integration Results




Manual Integration Results

RT: 30.12
Area: 6162
Amount: 0.215436
Amount Units: pg/ul

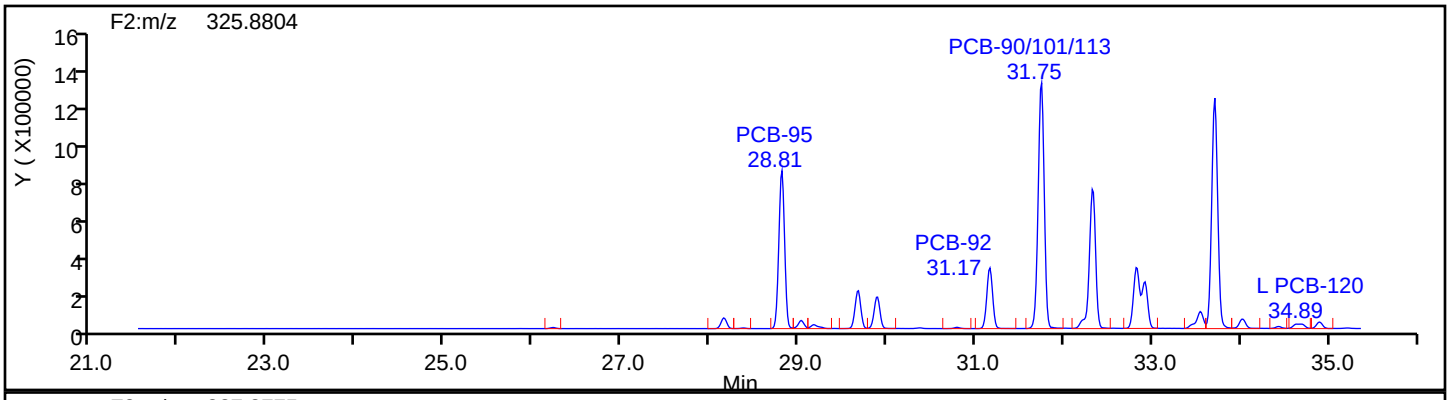


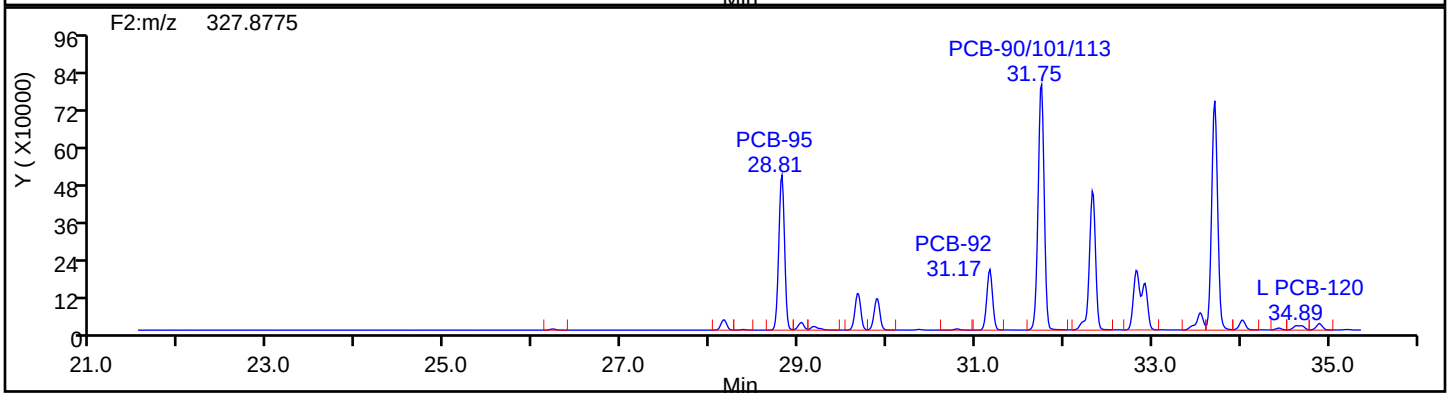

Reviewer: mcwhirterl, 03-Oct-2019 23:37:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

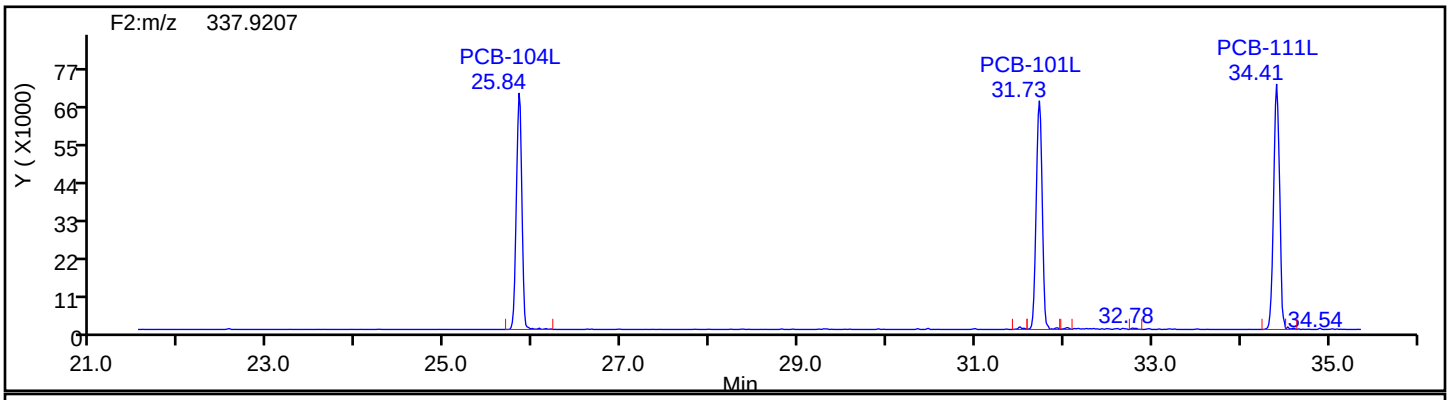
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

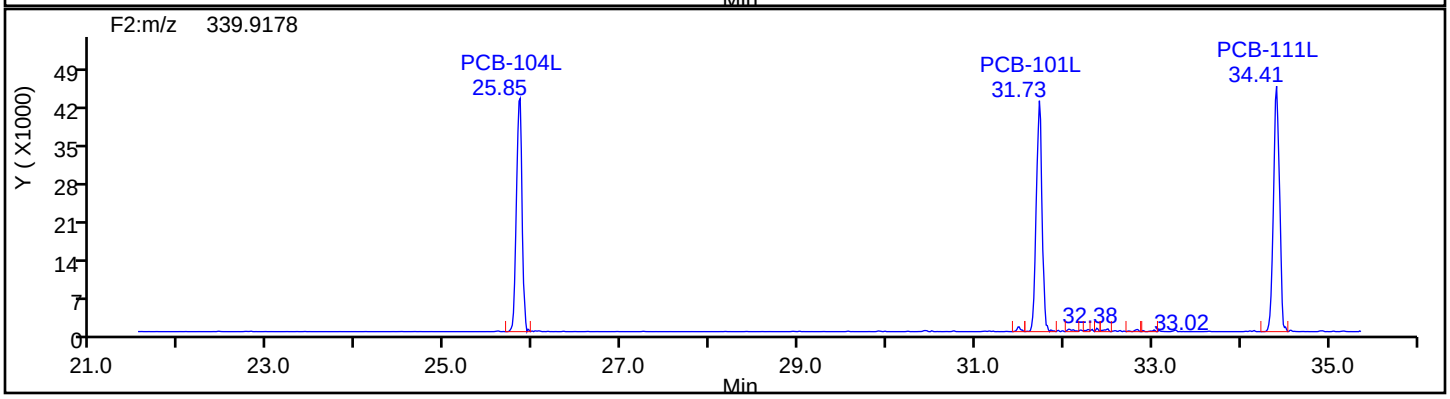
PePCB F2




PePCB F2 Standards

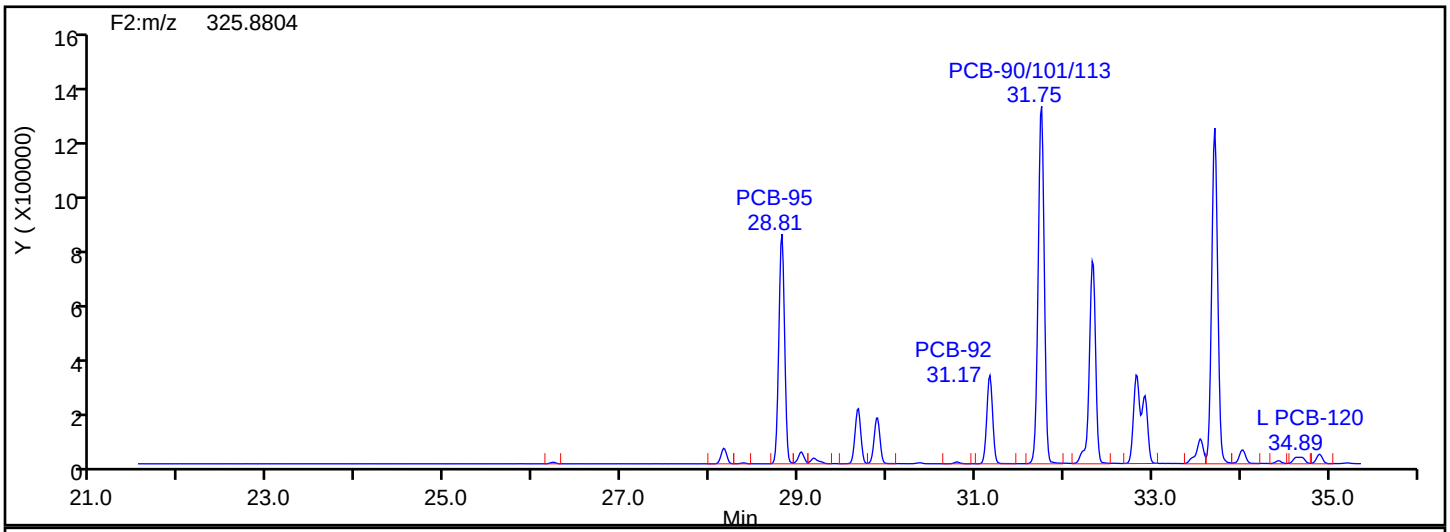


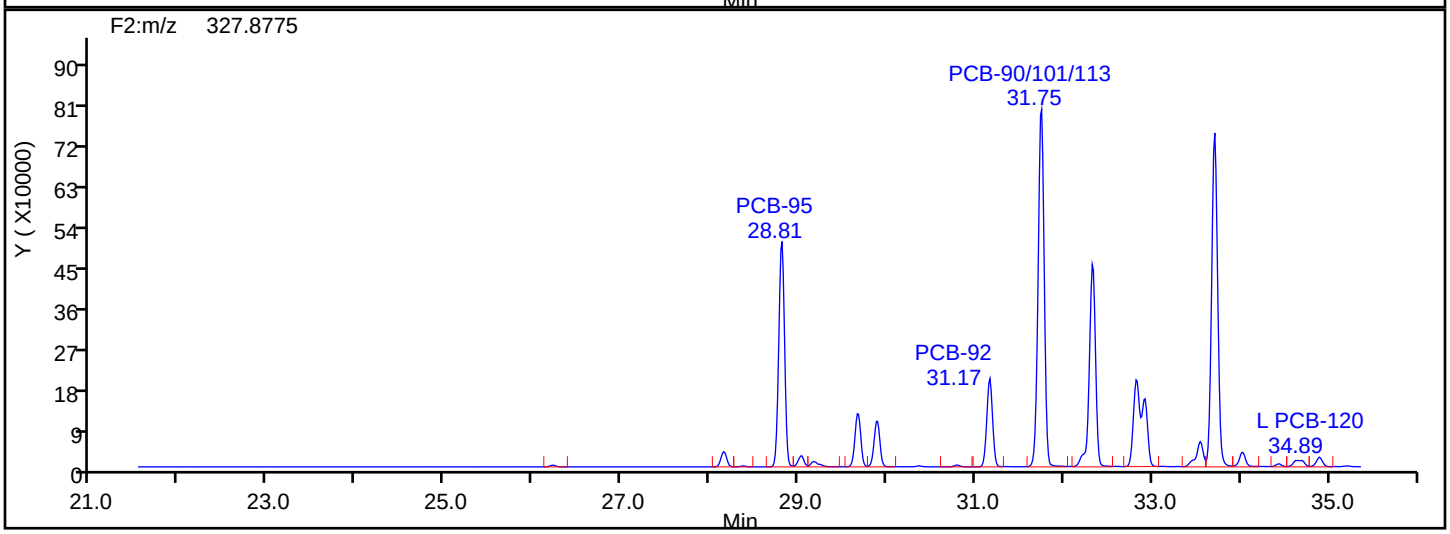



Eurofins TestAmerica, Knoxville

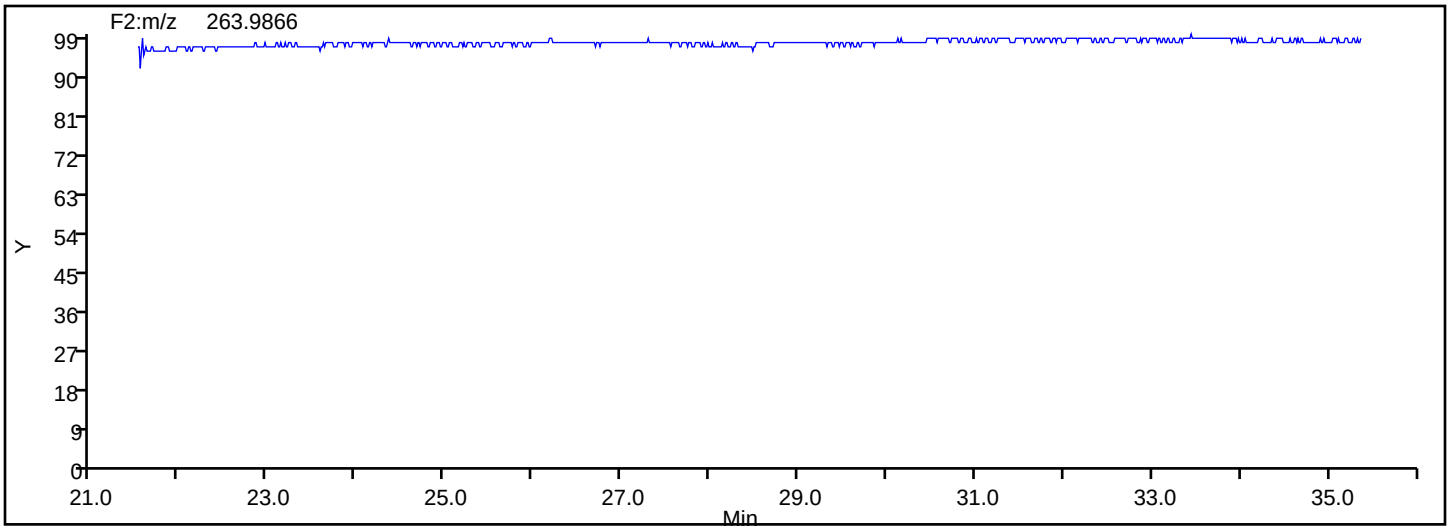
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

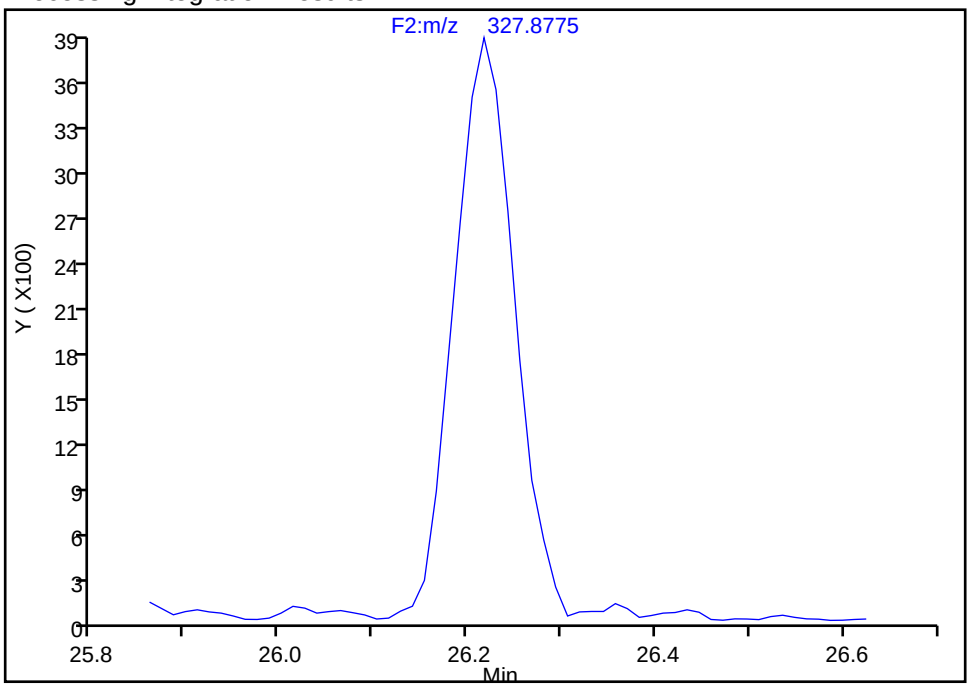
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-96, CAS: 73575-54-9

Signal: 2

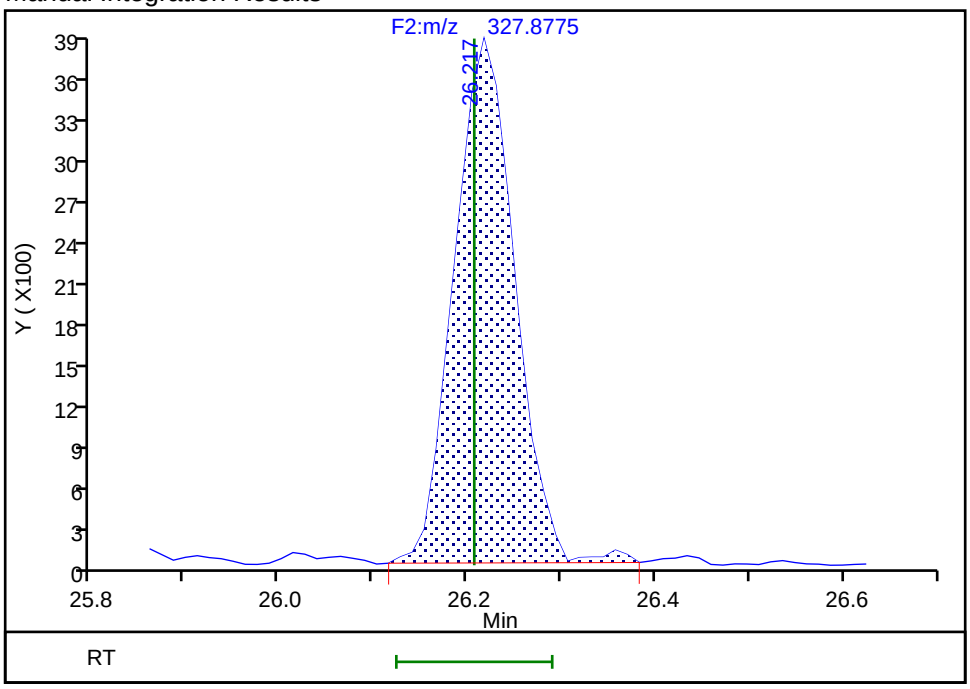
Not Detected
Expected RT: 26.21

Processing Integration Results




Manual Integration Results

RT: 26.22
Area: 17261
Amount: 1.387683
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:57:00
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

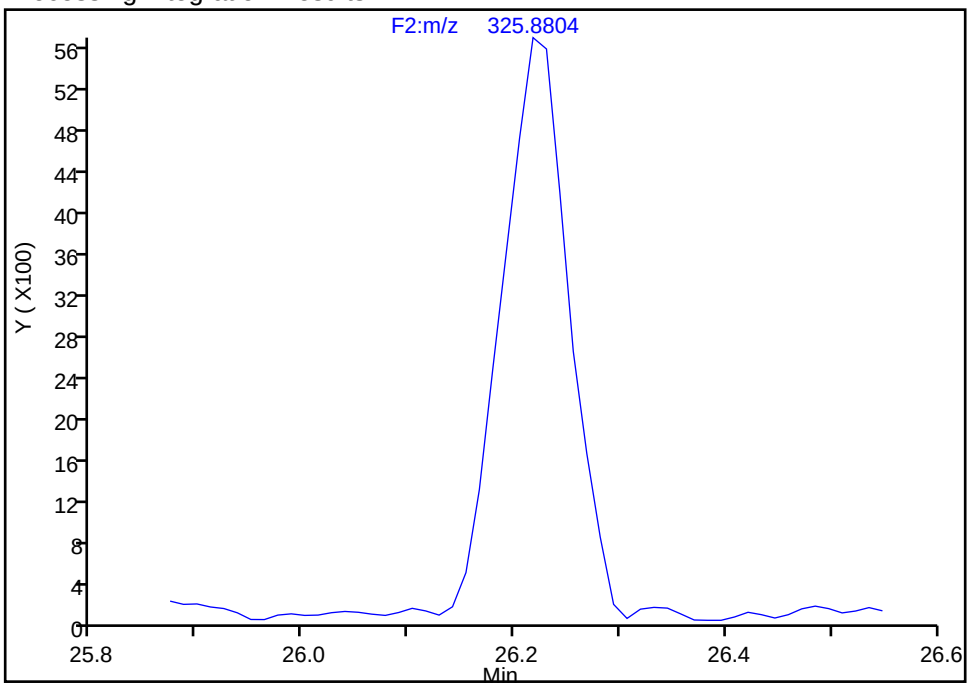
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-96, CAS: 73575-54-9

Signal: 1

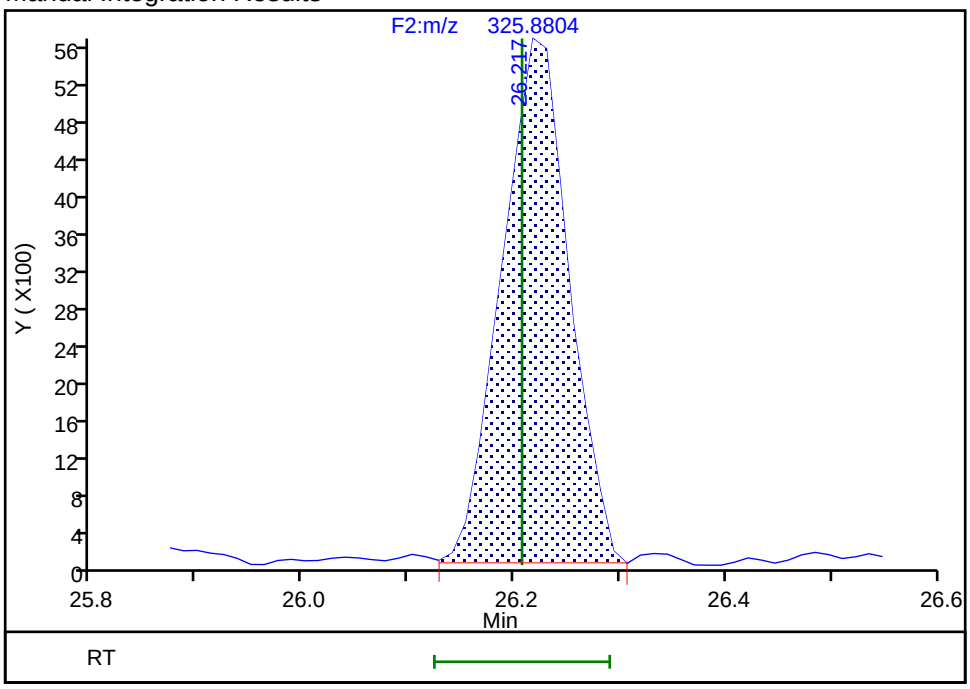
Not Detected
Expected RT: 26.21

Processing Integration Results




Manual Integration Results

RT: 26.22
Area: 24700
Amount: 1.387683
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:57:03
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

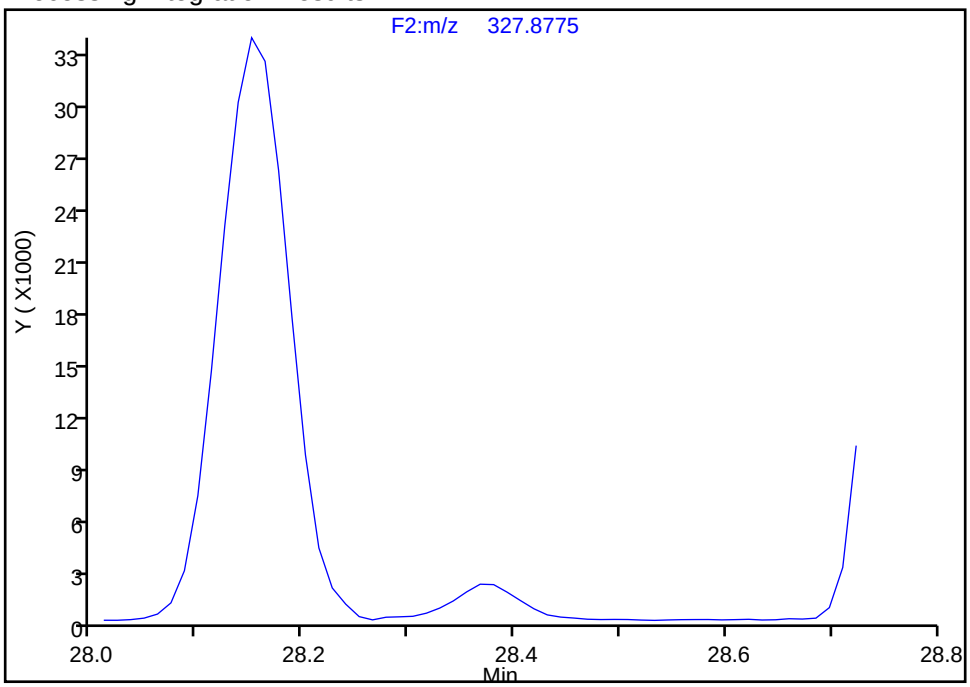
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 2

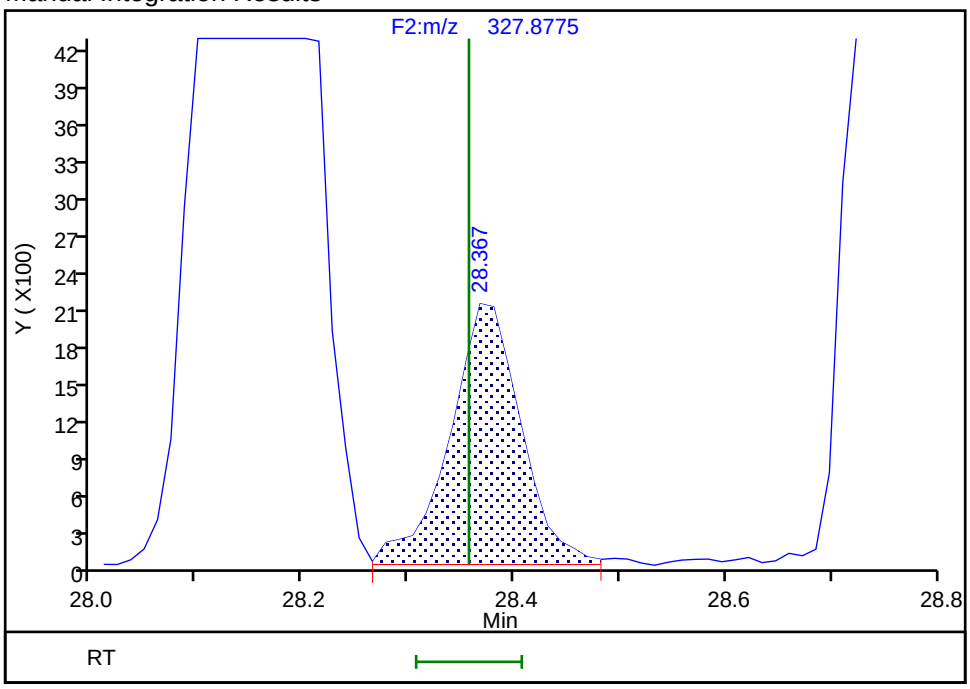
Not Detected
Expected RT: 28.36

Processing Integration Results




Manual Integration Results

RT: 28.37
Area: 9726
Amount: 1.117253
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:57:24
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

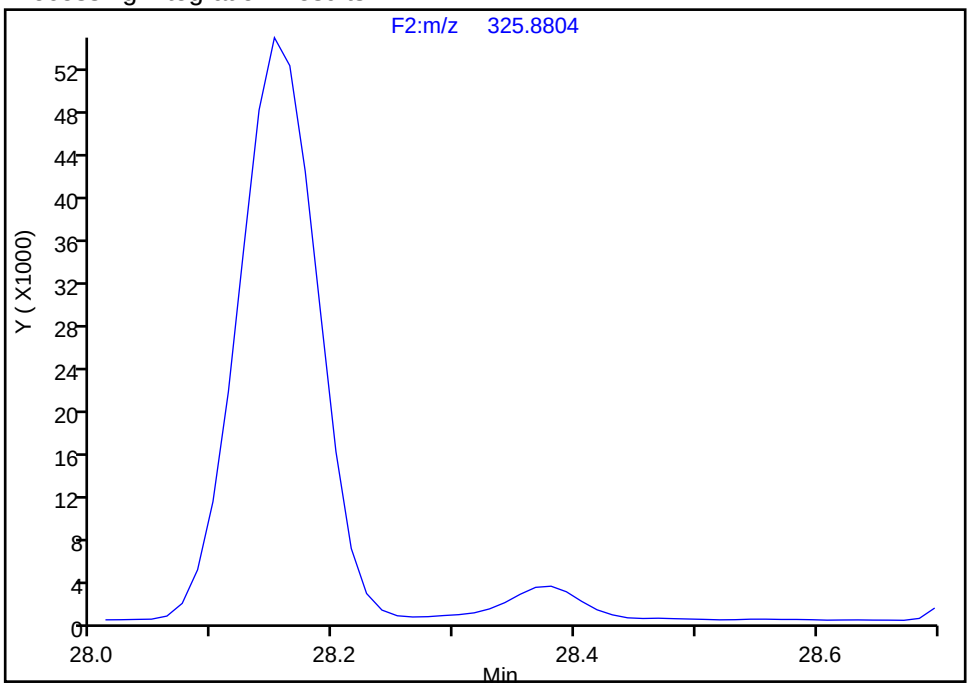
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 1

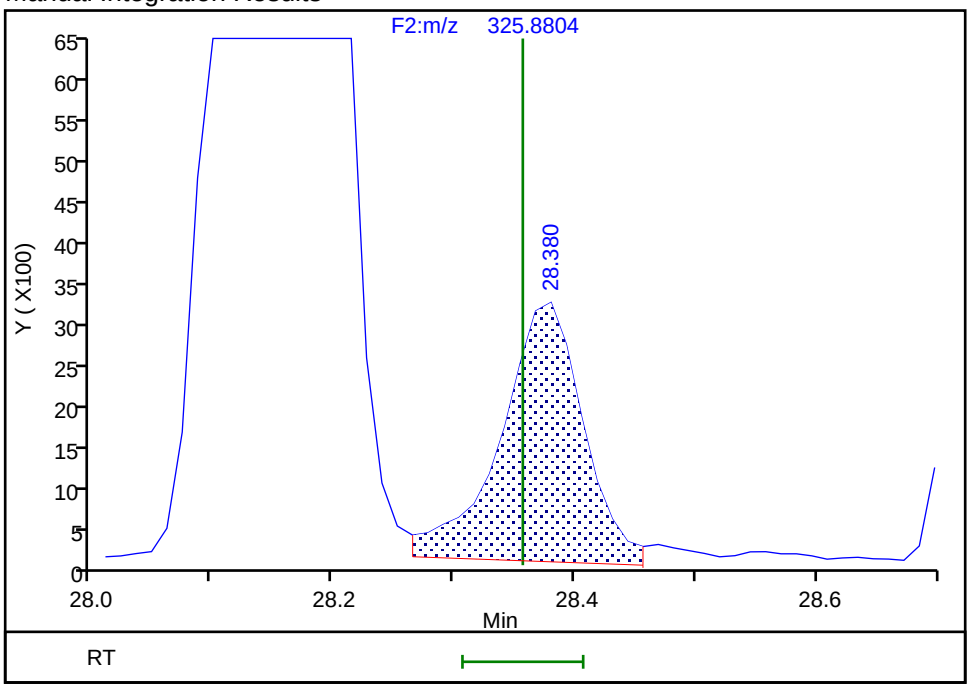
Not Detected
Expected RT: 28.36

Processing Integration Results




Manual Integration Results

RT: 28.38
Area: 15158
Amount: 1.117253
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:57:28
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

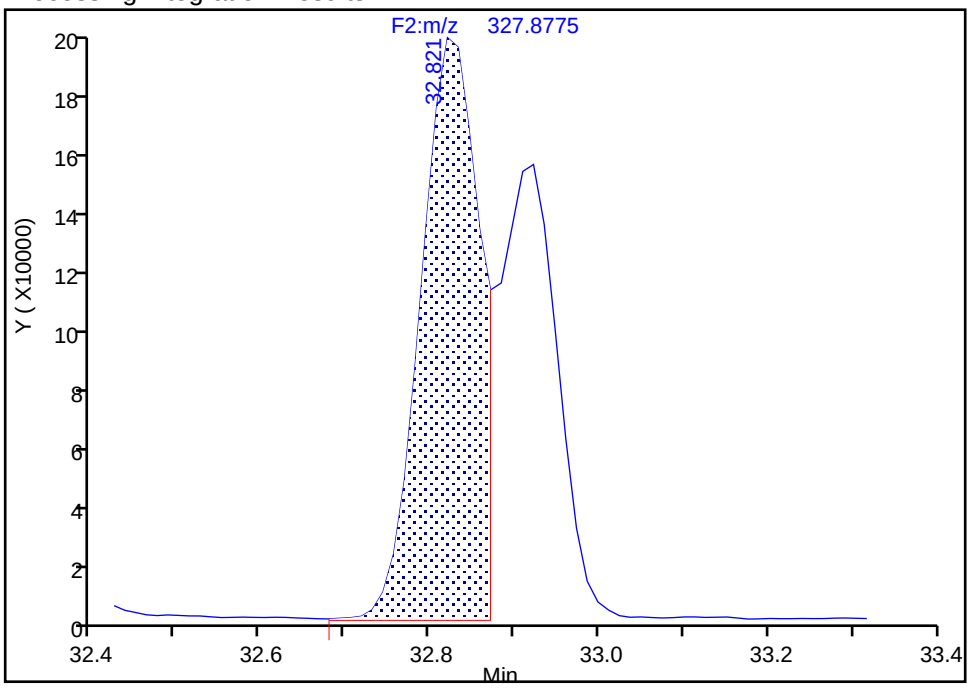
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

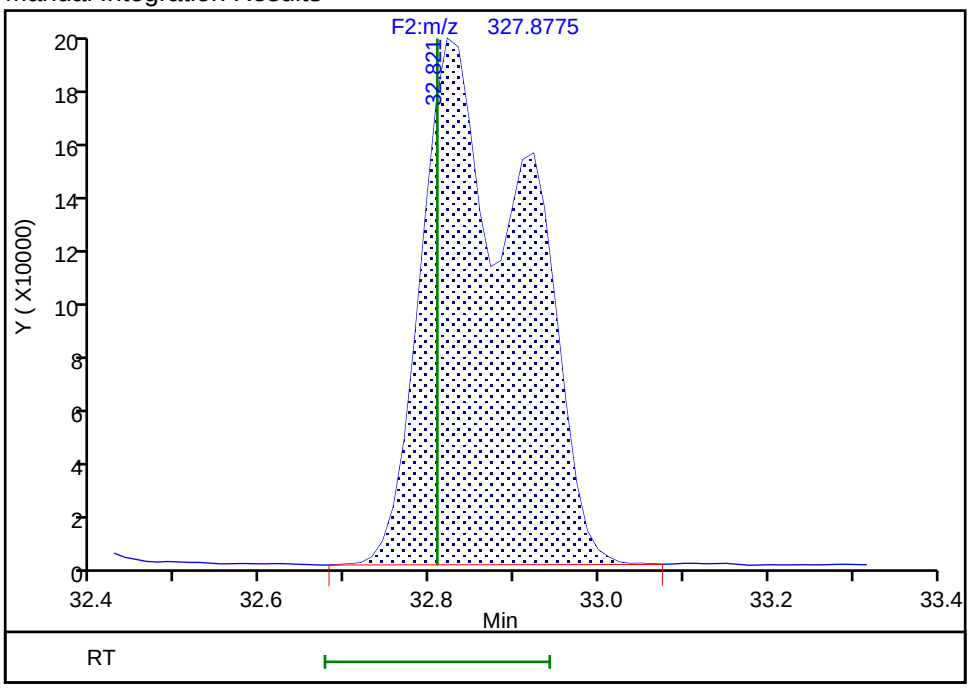
Processing Integration Results

RT: 32.82
Area: 917720
Amount: 80.193015
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 1623214
Amount: 142.2063
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:58:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

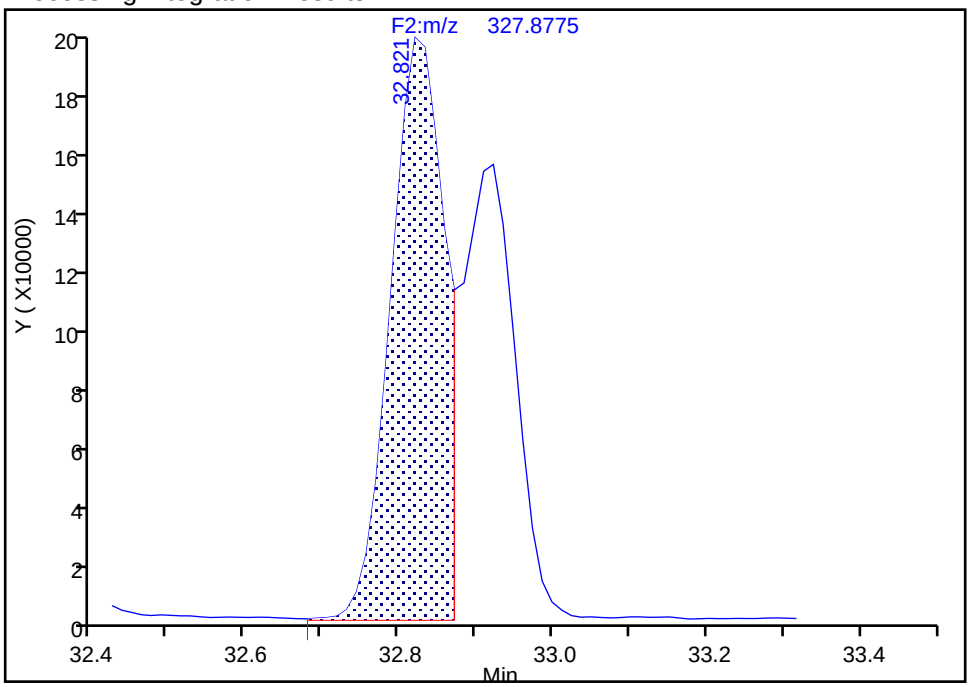
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.82
Area: 2363583
Amount: 80.193015
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 4191343
Amount: 142.2063
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:58:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

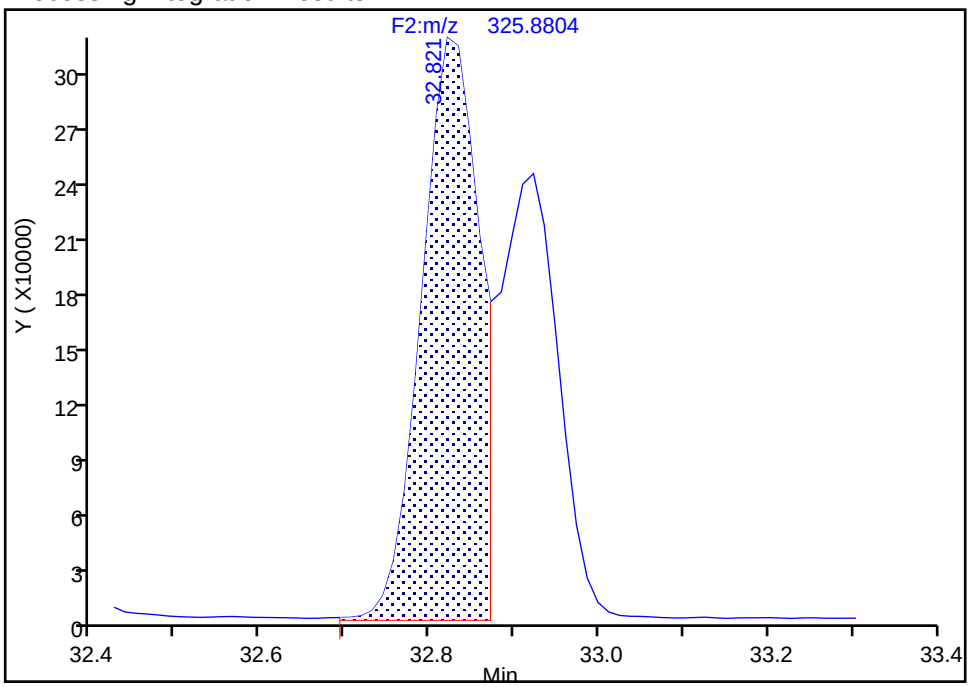
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

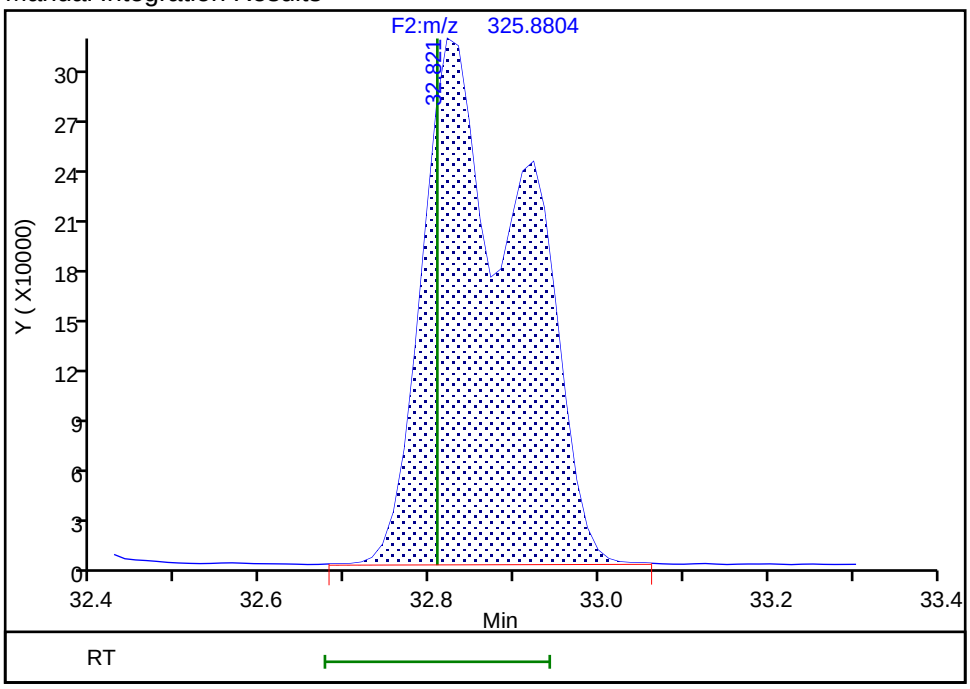
Processing Integration Results

RT: 32.82
Area: 1445863
Amount: 80.193015
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 2568129
Amount: 142.2063
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:58:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

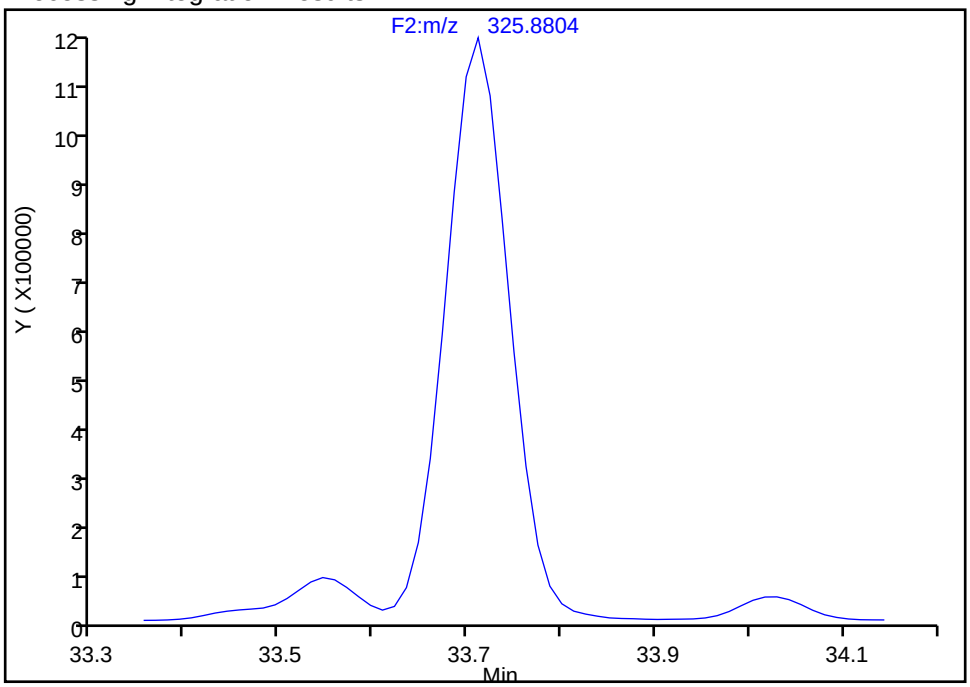
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

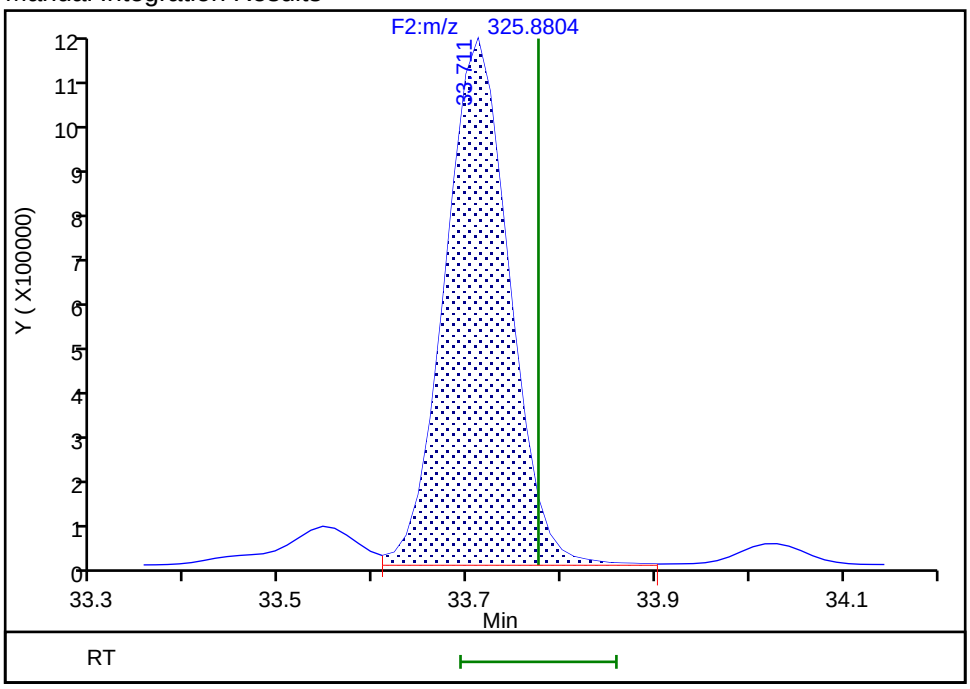
Not Detected
Expected RT: 33.78

Processing Integration Results




Manual Integration Results

RT: 33.71
Area: 5609410
Amount: 274.6471
Amount Units: pg/ul

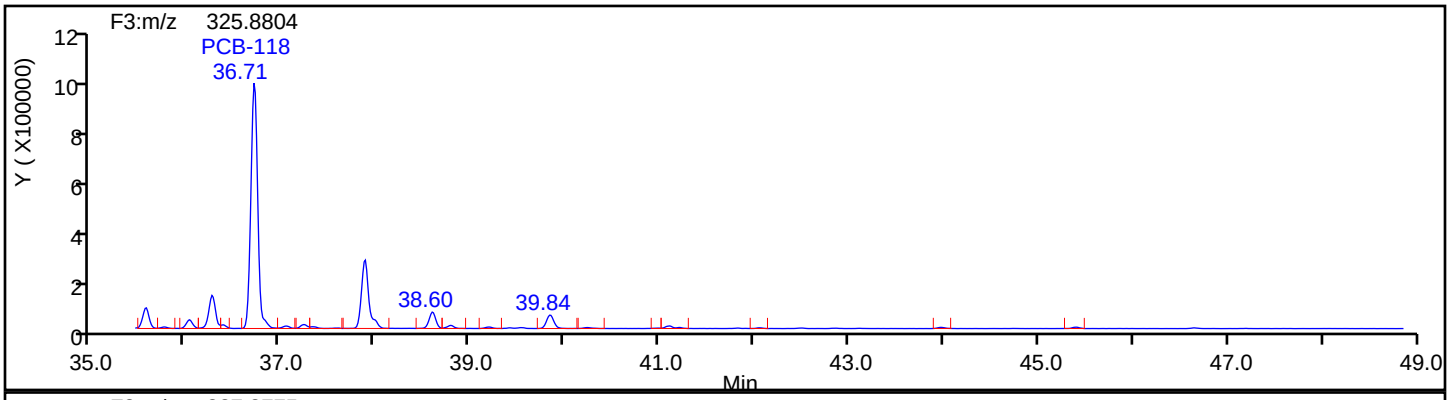


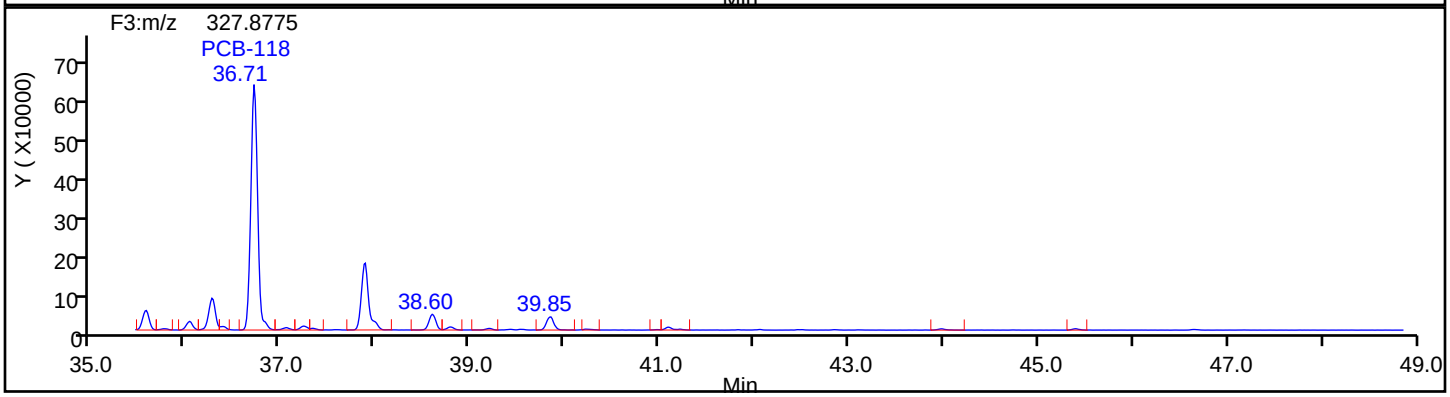

Reviewer: mcwhirterl, 03-Oct-2019 23:58:18
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

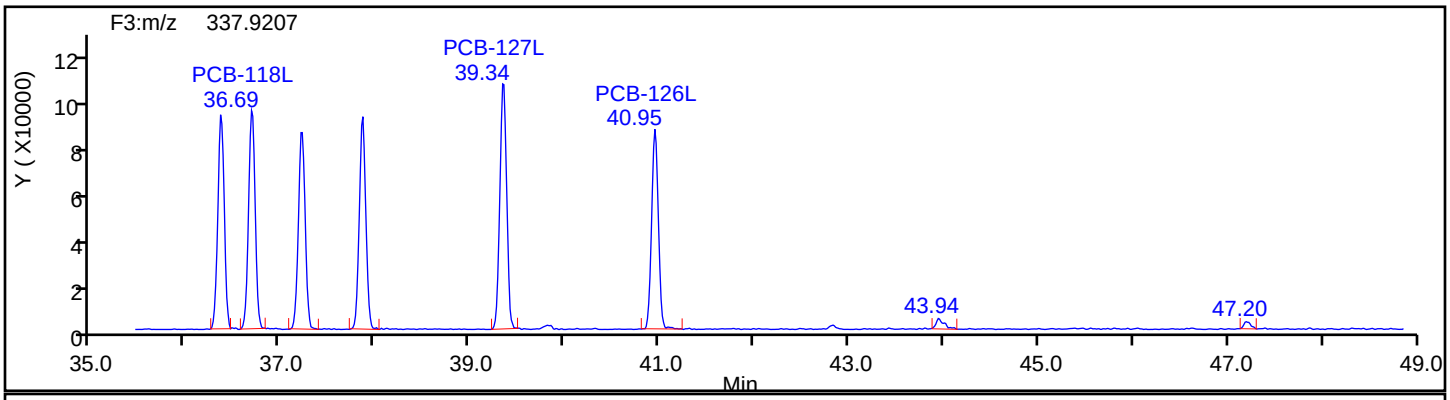
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

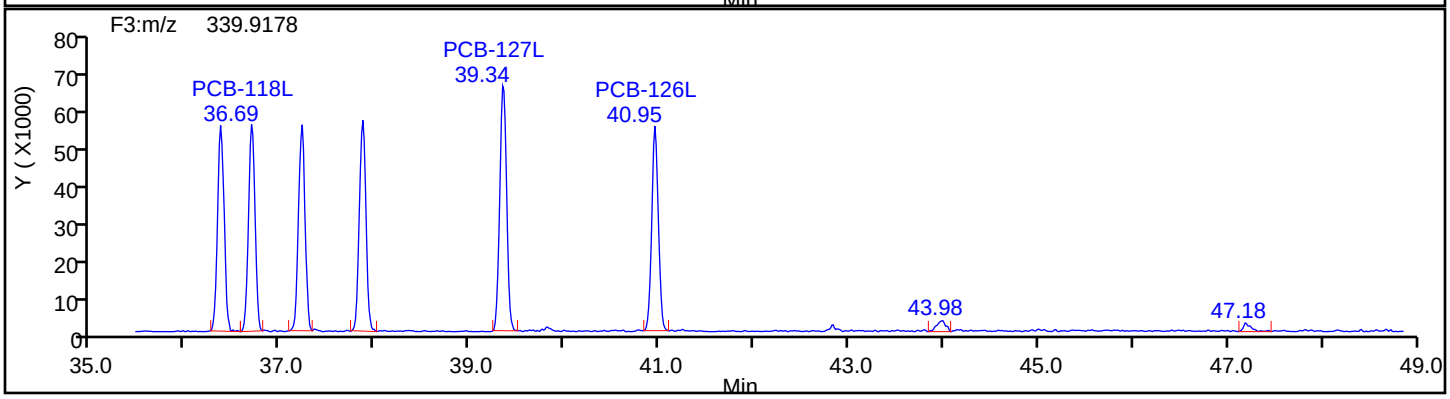
PePCB F3




PePCB F3 Standards

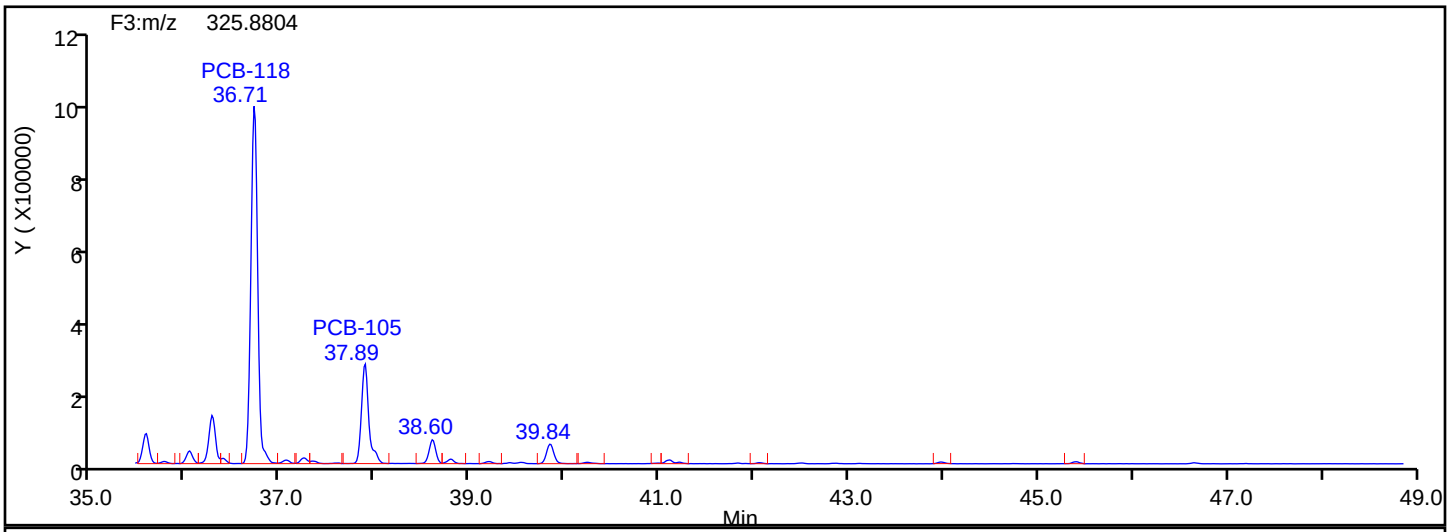


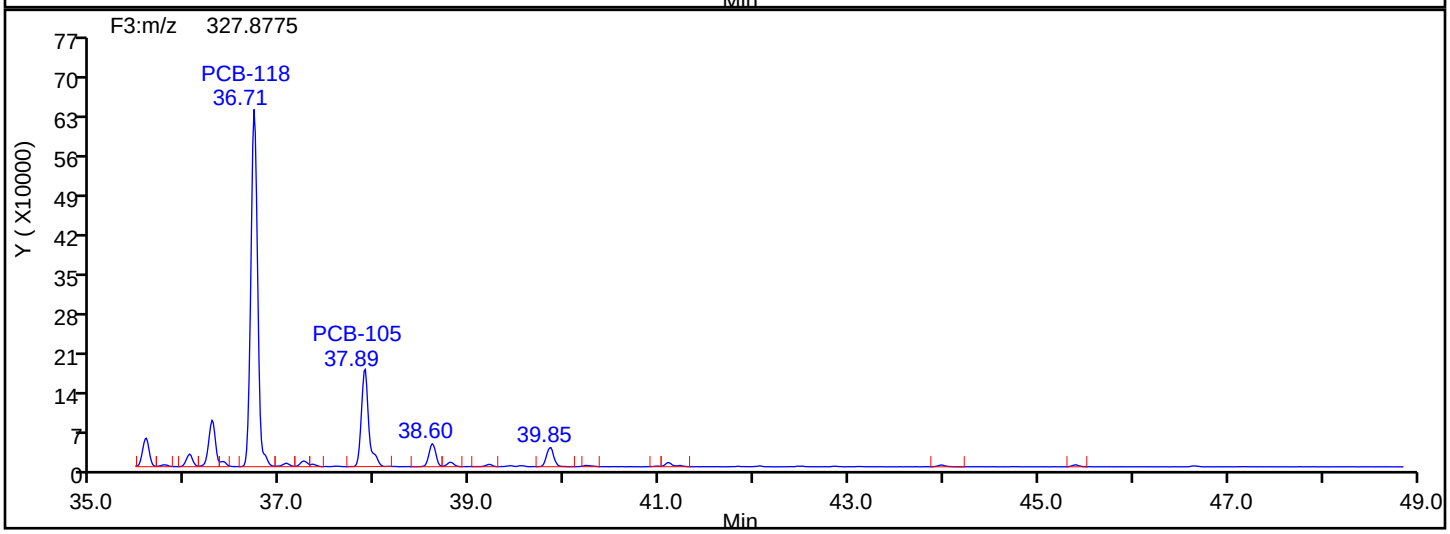



Eurofins TestAmerica, Knoxville

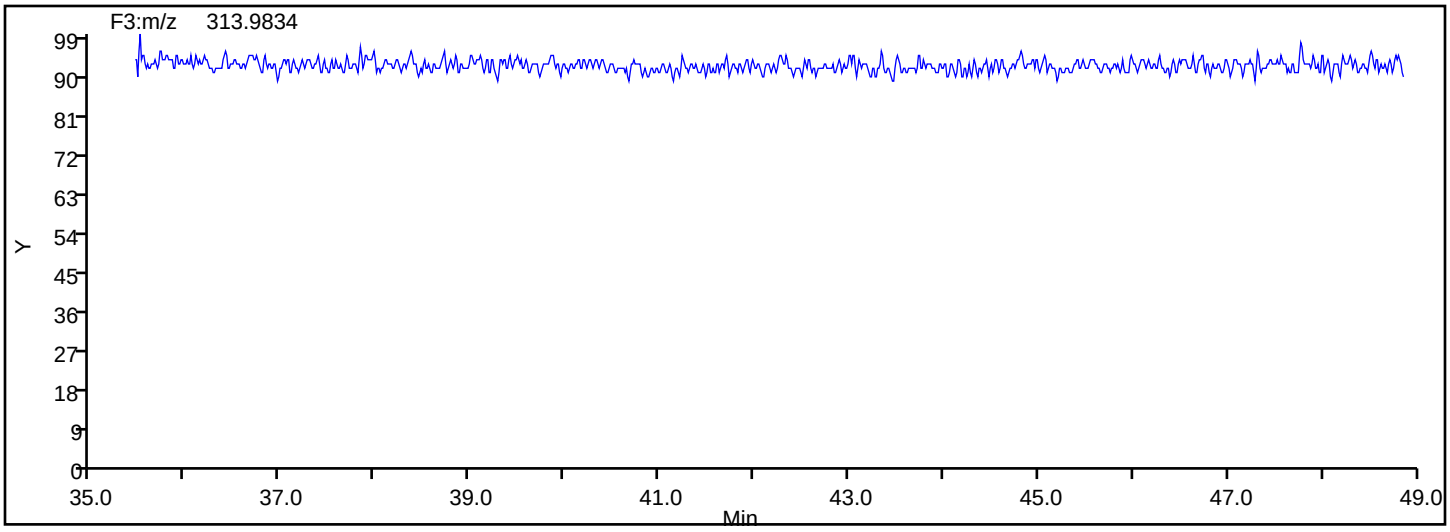
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

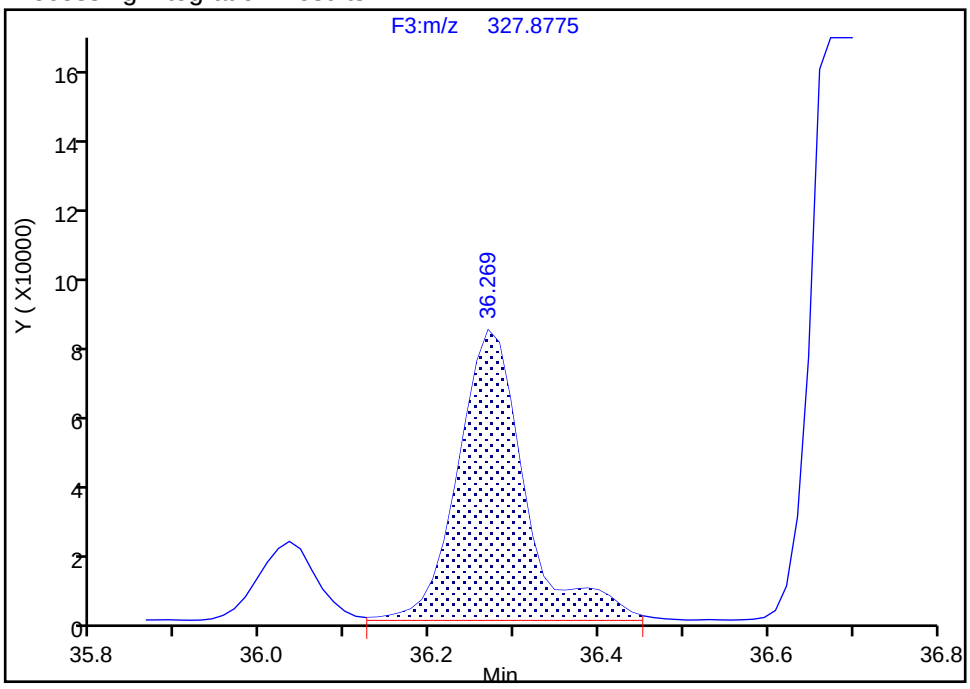
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

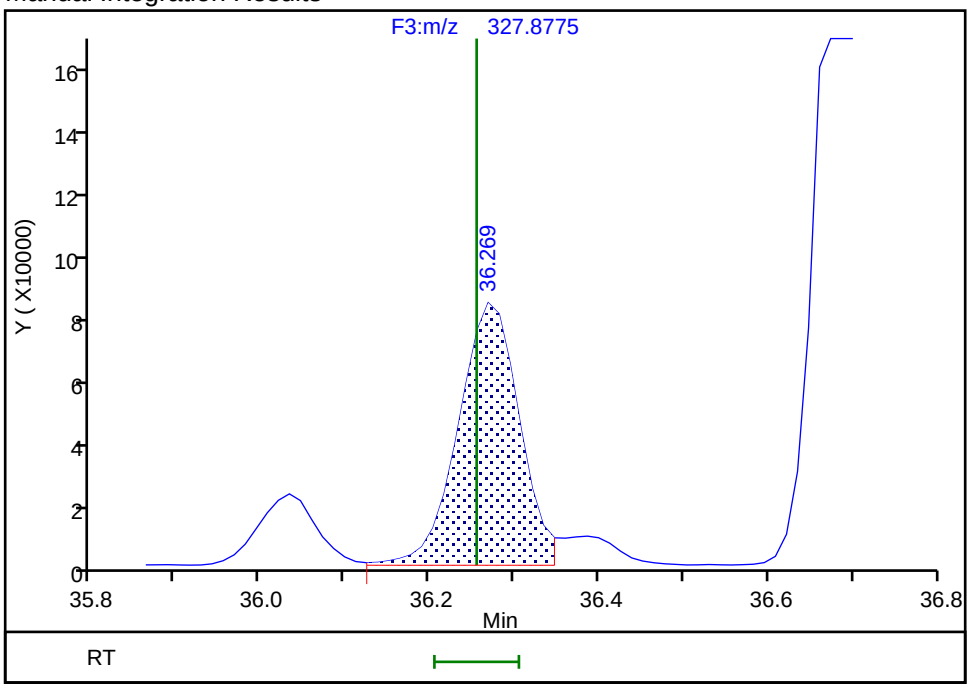
Processing Integration Results

RT: 36.27
Area: 454100
Amount: 24.541677
Amount Units: pg/ul




Manual Integration Results

RT: 36.27
Area: 411918
Amount: 22.501730
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:58:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

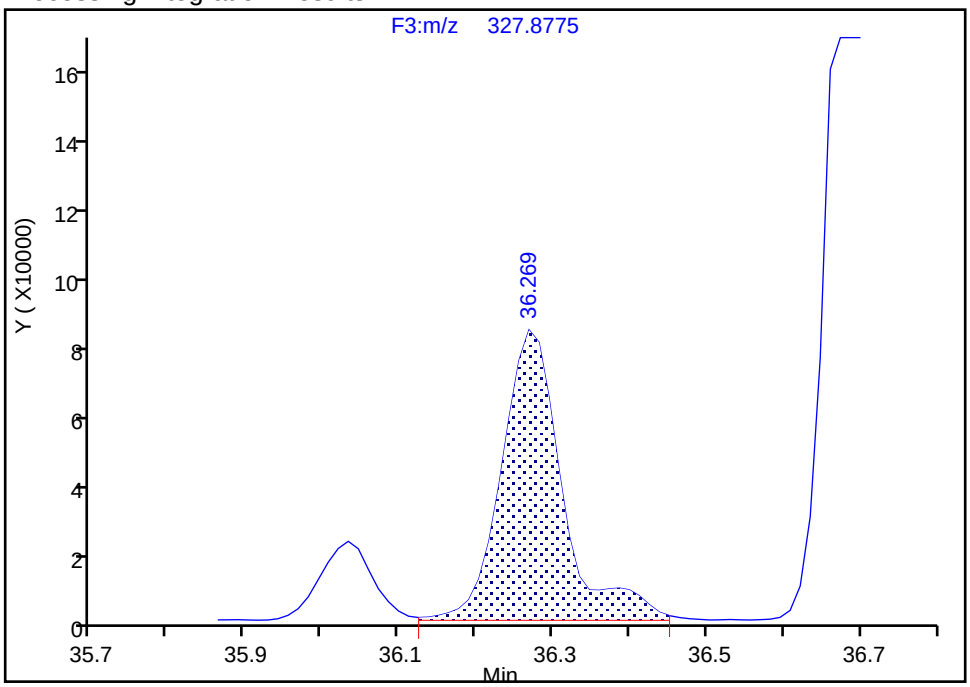
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 3

Processing Integration Results

RT: 36.27
Area: 1177201
Amount: 24.541677
Amount Units: pg/ul




Manual Integration Results

RT: 36.27
Area: 1079350
Amount: 22.501730
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:58:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

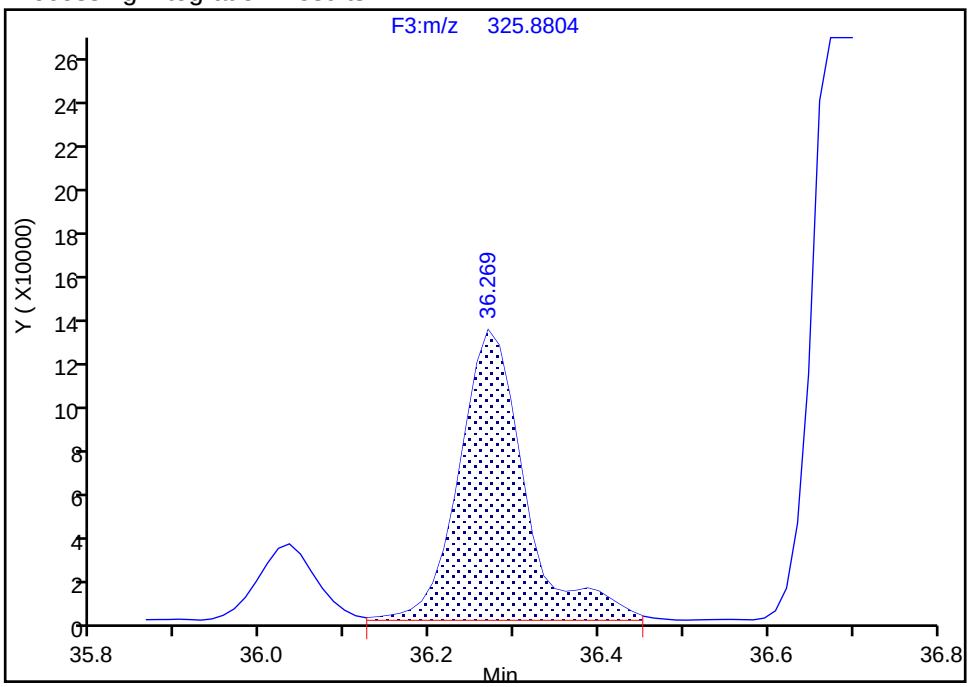
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

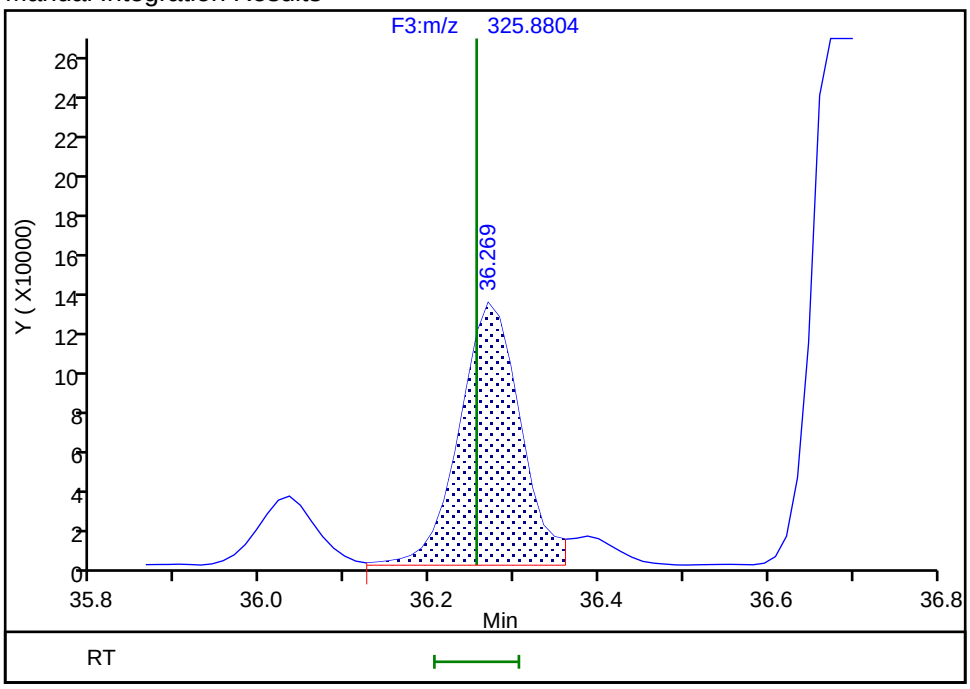
Processing Integration Results

RT: 36.27
Area: 723101
Amount: 24.541677
Amount Units: pg/ul




Manual Integration Results

RT: 36.27
Area: 667432
Amount: 22.501730
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:58:51

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

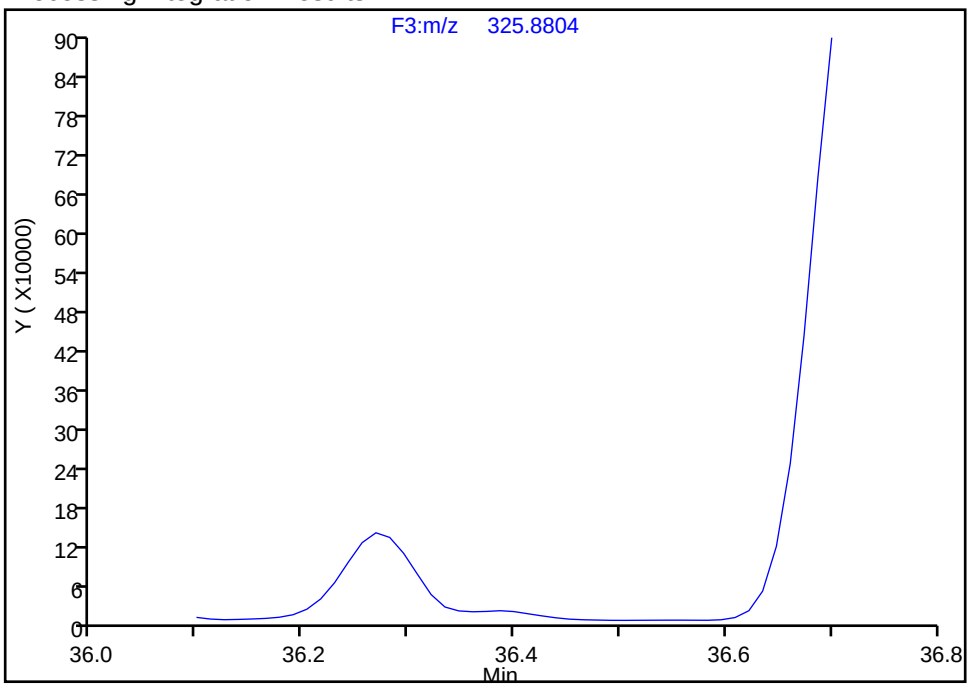
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

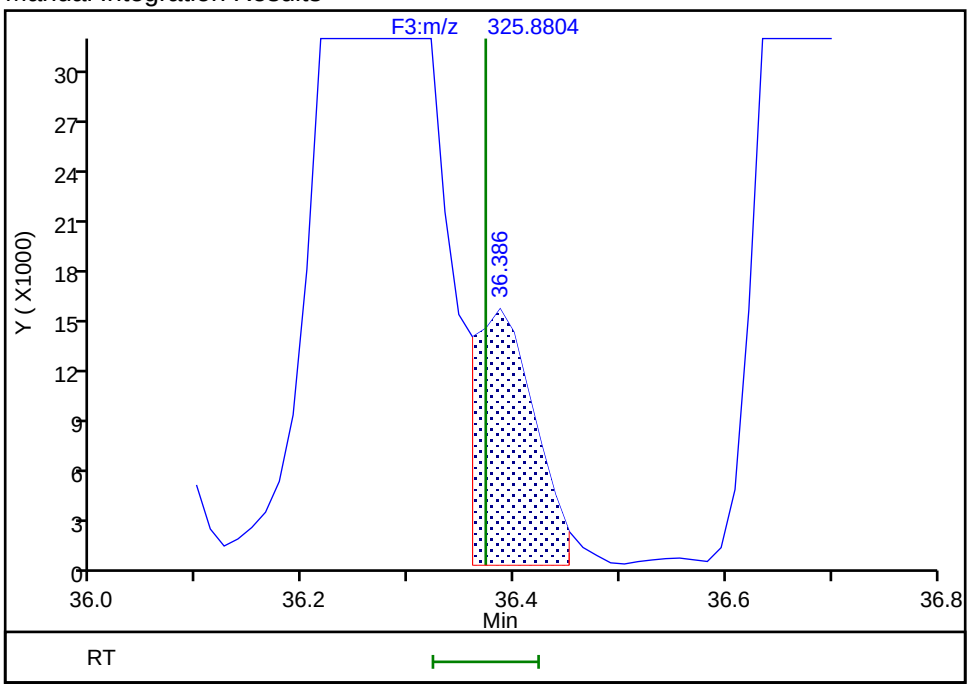
Not Detected
Expected RT: 36.37

Processing Integration Results




Manual Integration Results

RT: 36.39
Area: 55668
Amount: 2.067984
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:58:55
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

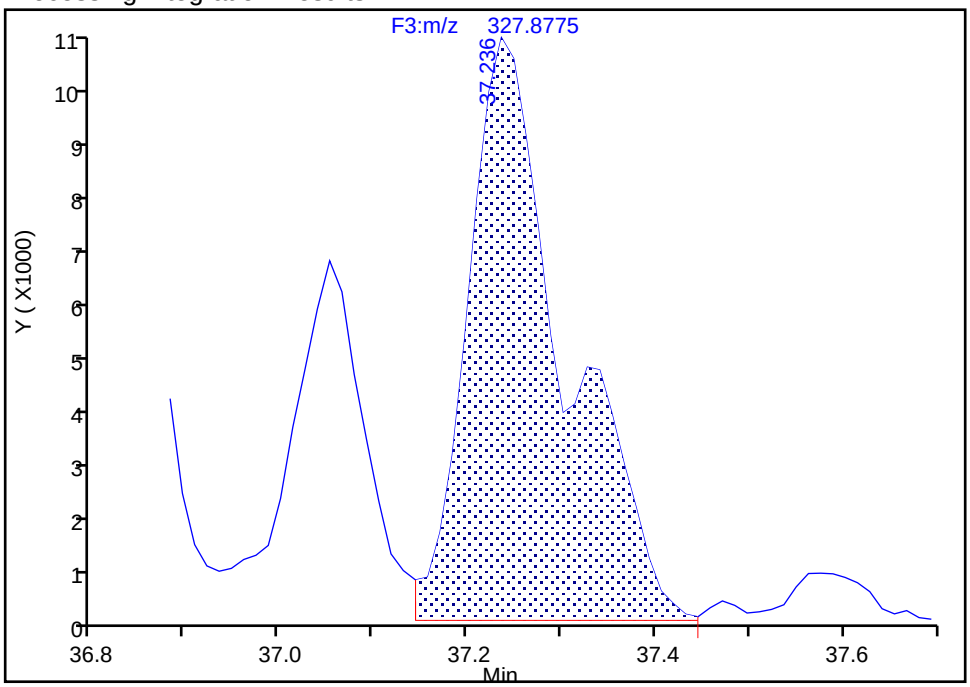
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

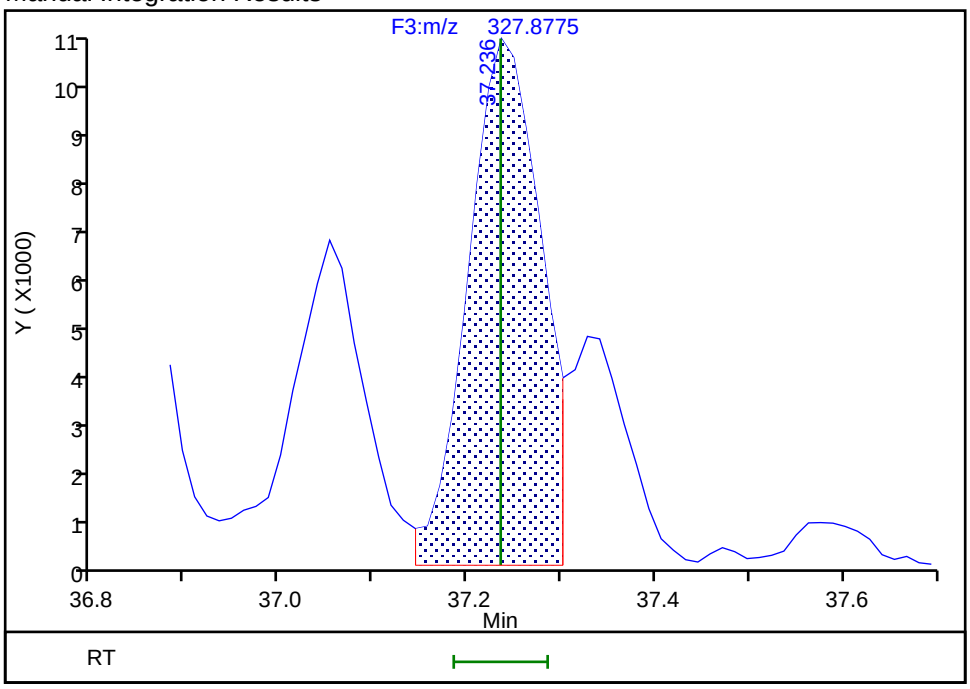
Processing Integration Results

RT: 37.24
Area: 73297
Amount: 4.091766
Amount Units: pg/ul




Manual Integration Results

RT: 37.24
Area: 53988
Amount: 2.766450
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:59:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

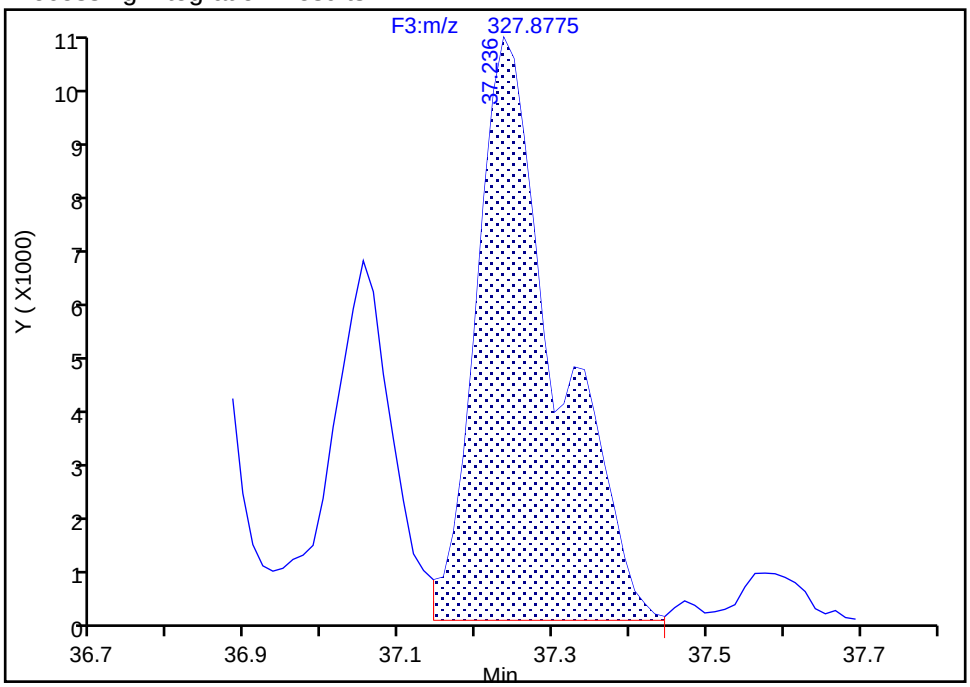
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 3

Processing Integration Results

RT: 37.24
Area: 199260
Amount: 4.091766
Amount Units: pg/ul




Manual Integration Results

RT: 37.24
Area: 134720
Amount: 2.766450
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:59:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

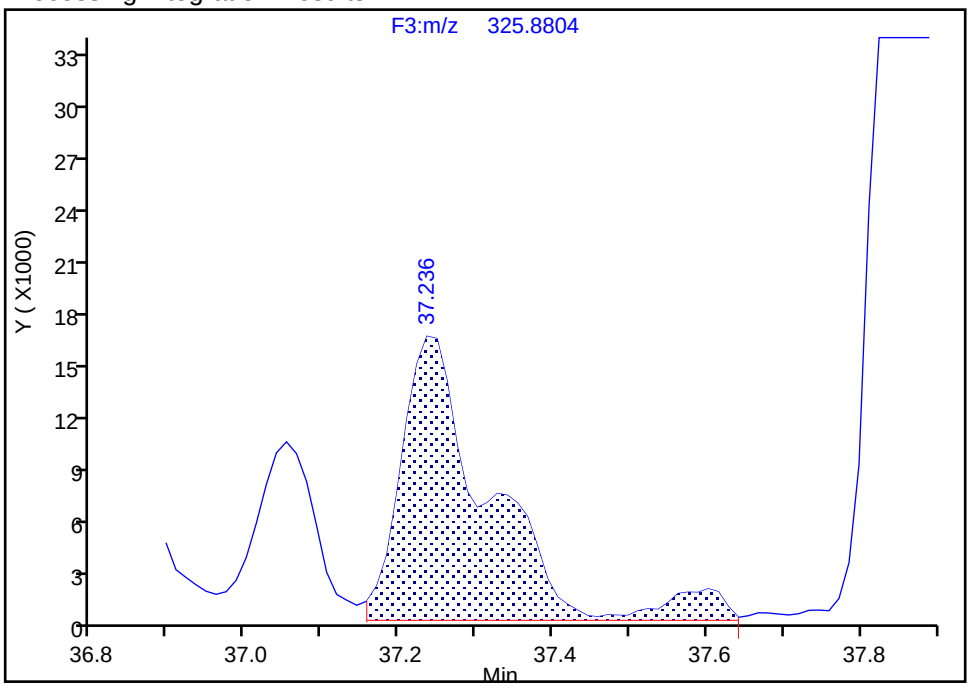
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

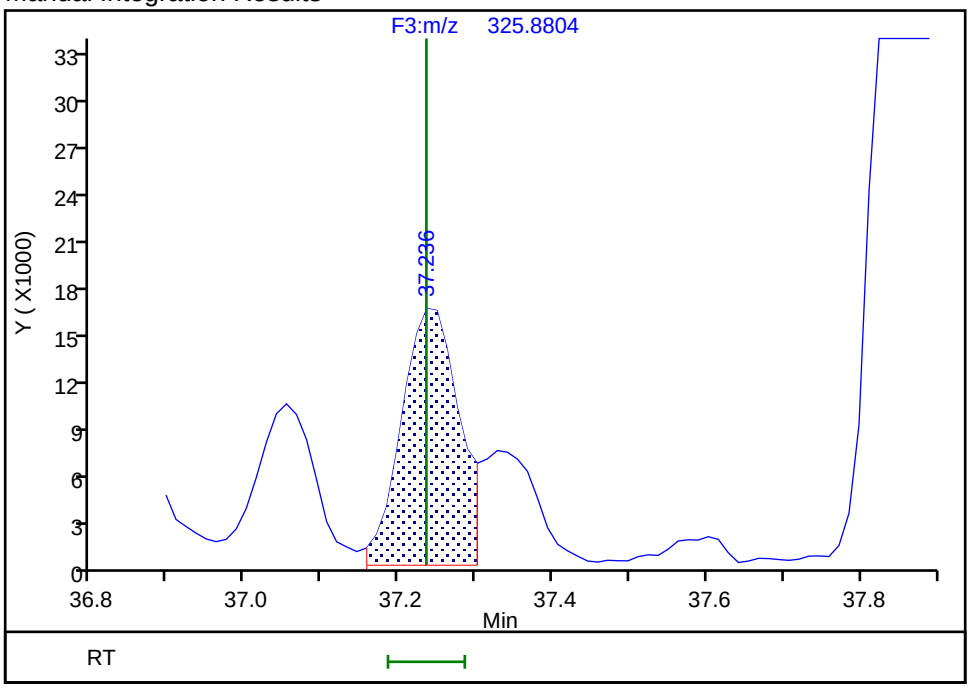
Processing Integration Results

RT: 37.24
Area: 125963
Amount: 4.091766
Amount Units: pg/ul




Manual Integration Results

RT: 37.24
Area: 80732
Amount: 2.766450
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:59:17

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

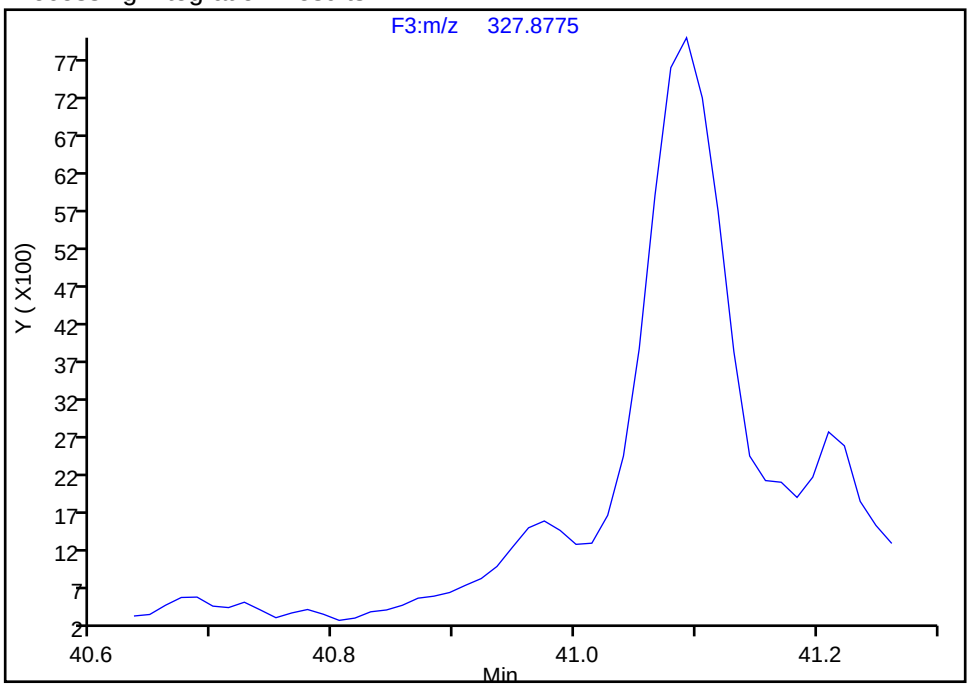
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

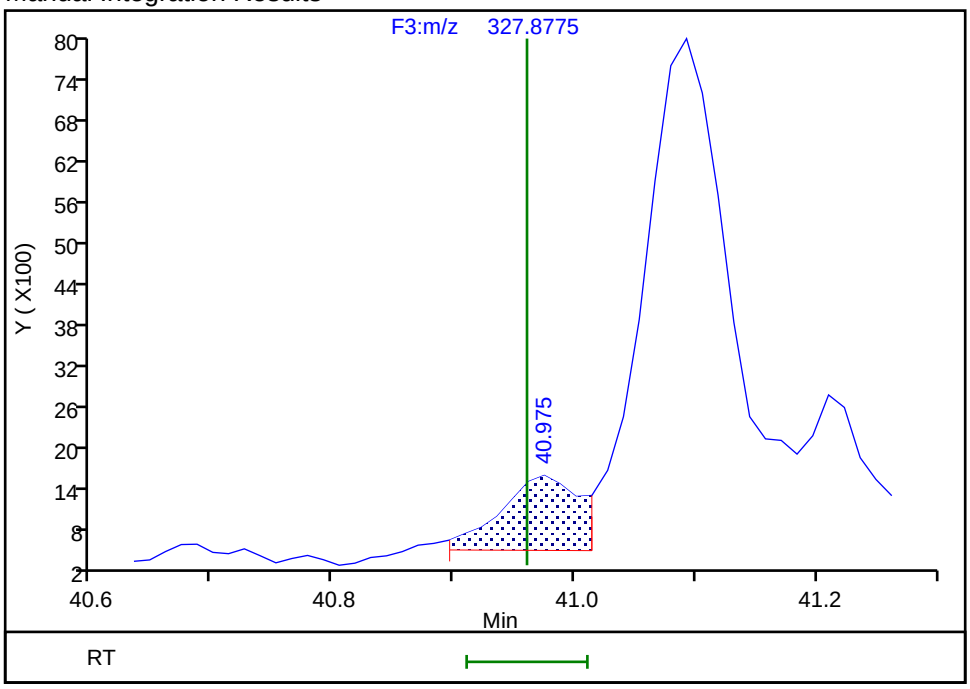
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 40.97
Area: 4780
Amount: 0.258322
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:27:52
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

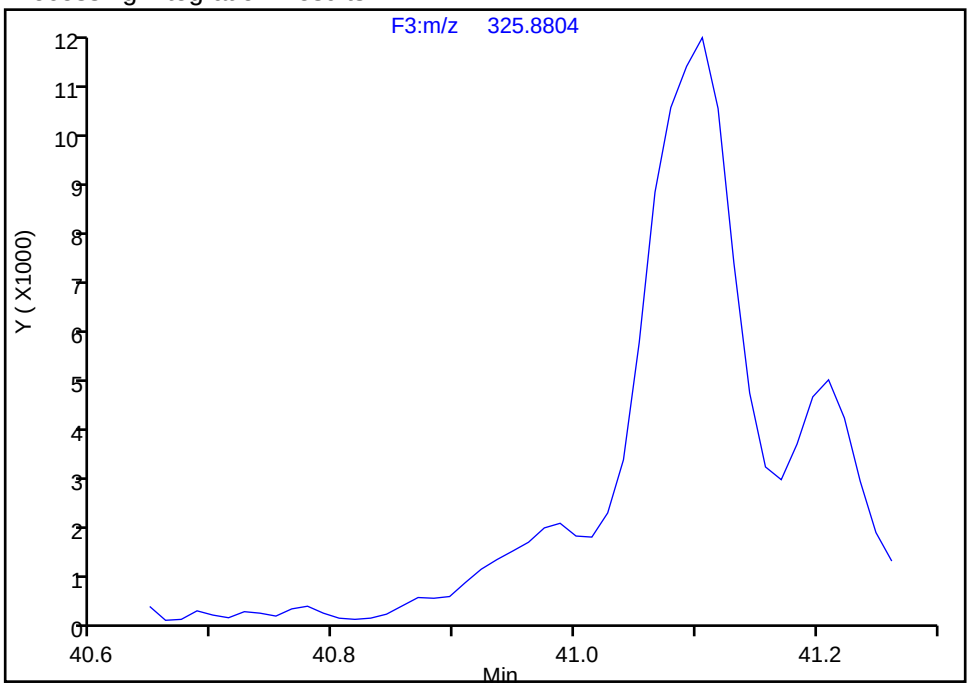
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

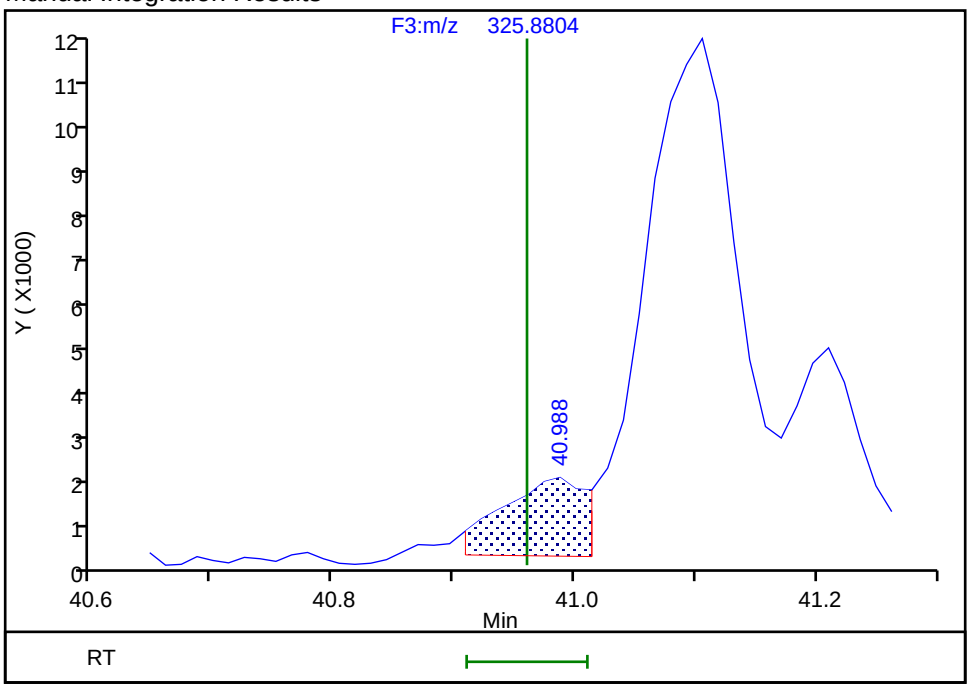
Not Detected
Expected RT: 40.96

Processing Integration Results




Manual Integration Results

RT: 40.99
Area: 7192
Amount: 0.258322
Amount Units: pg/ul

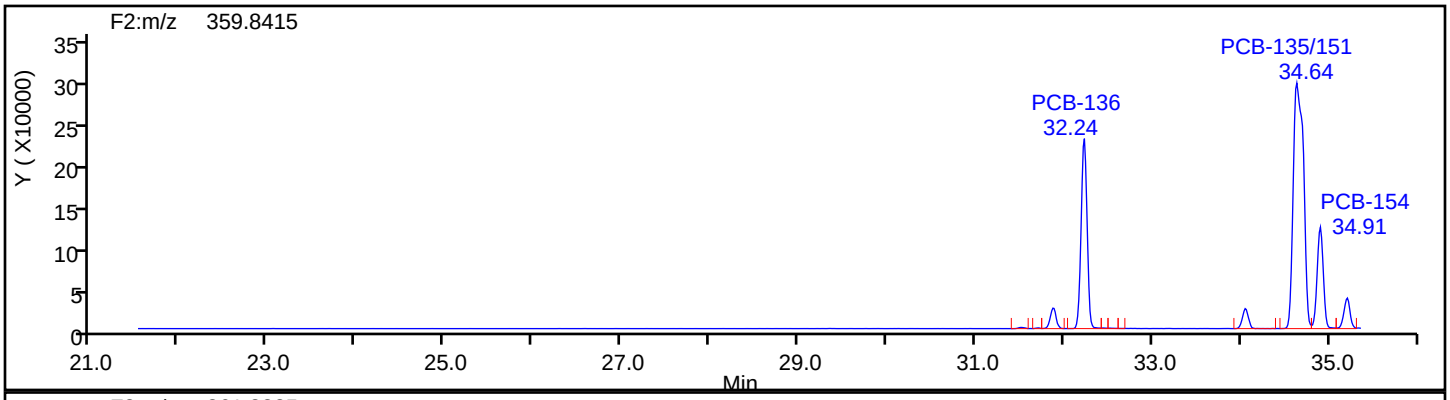


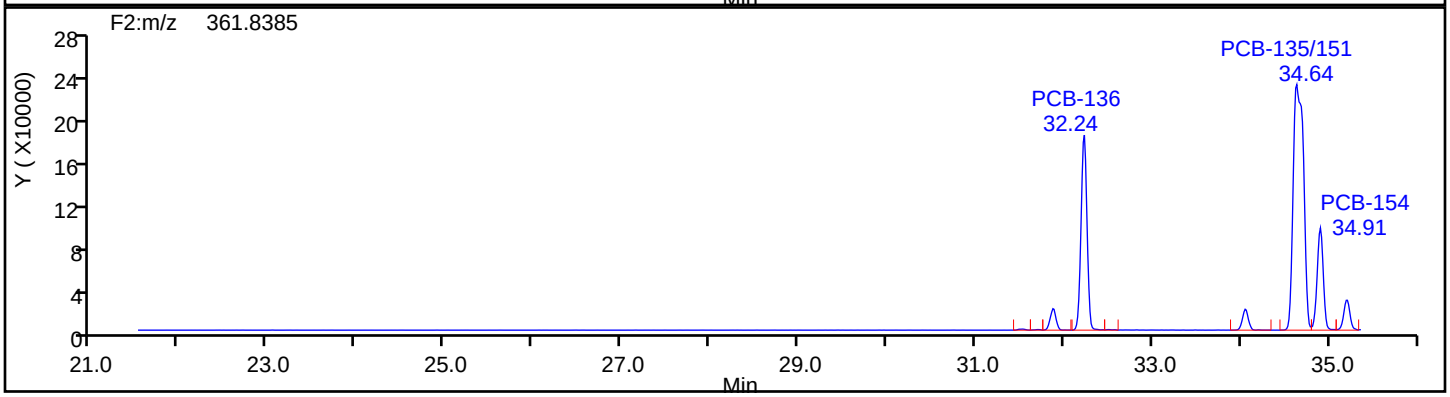

Reviewer: mcwhirterl, 04-Oct-2019 00:27:55
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

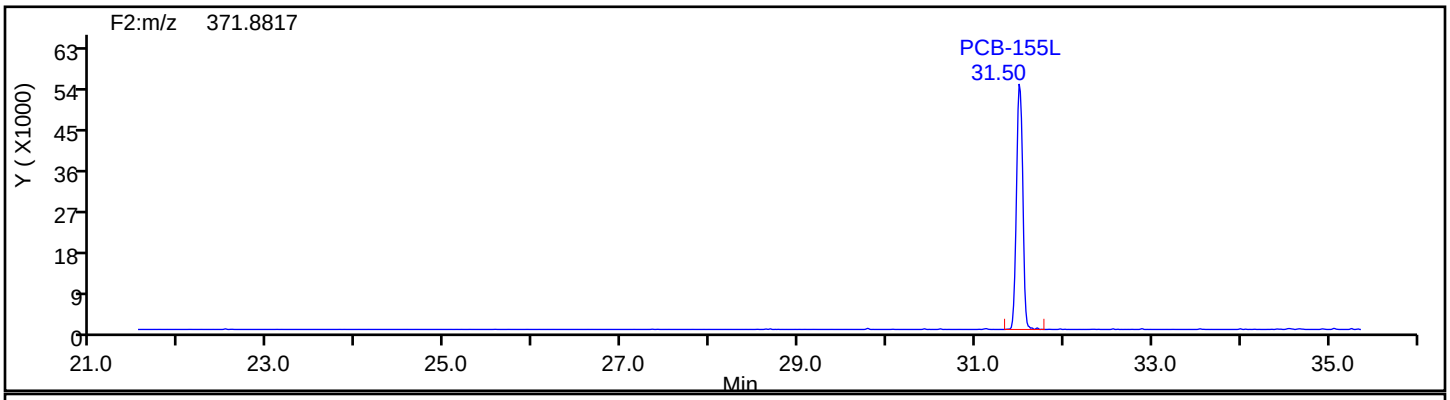
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

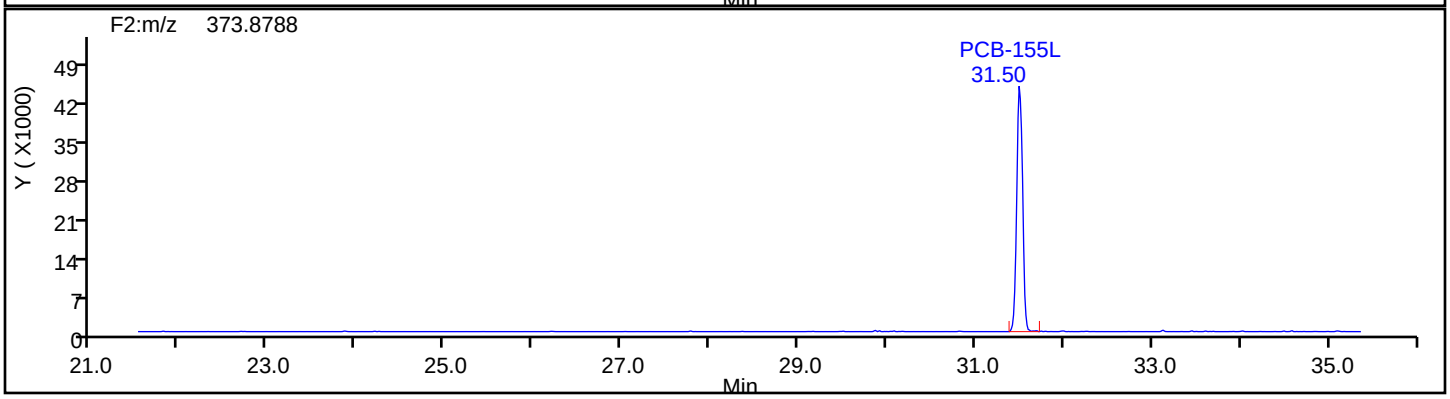
HxPCB F2




HxPCB F2 Standards

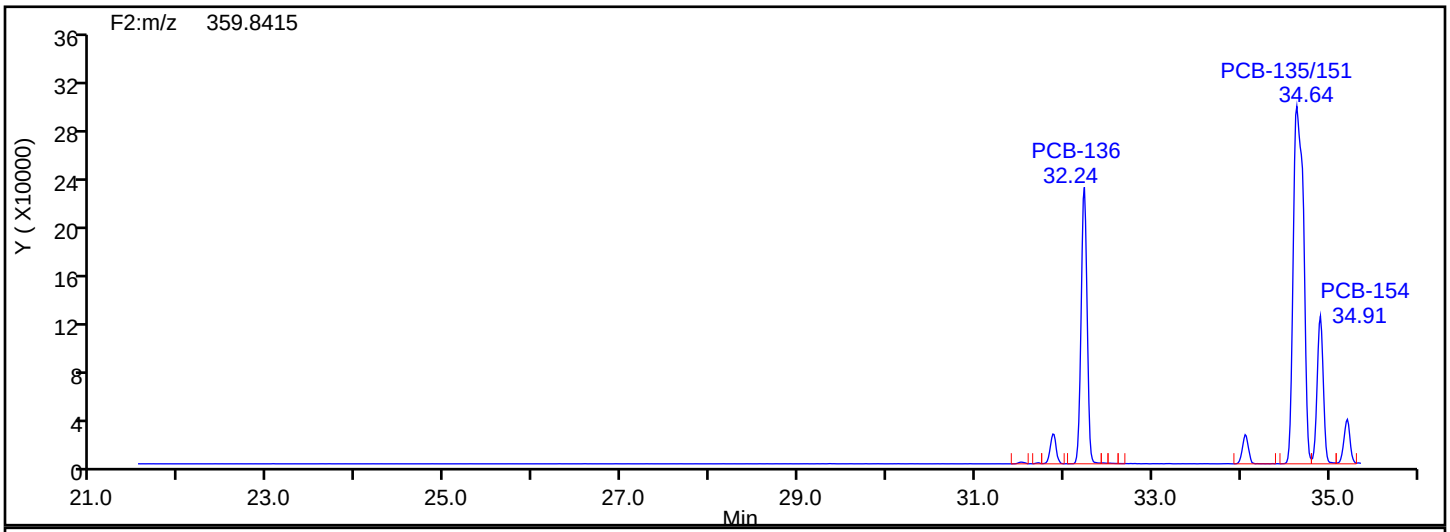


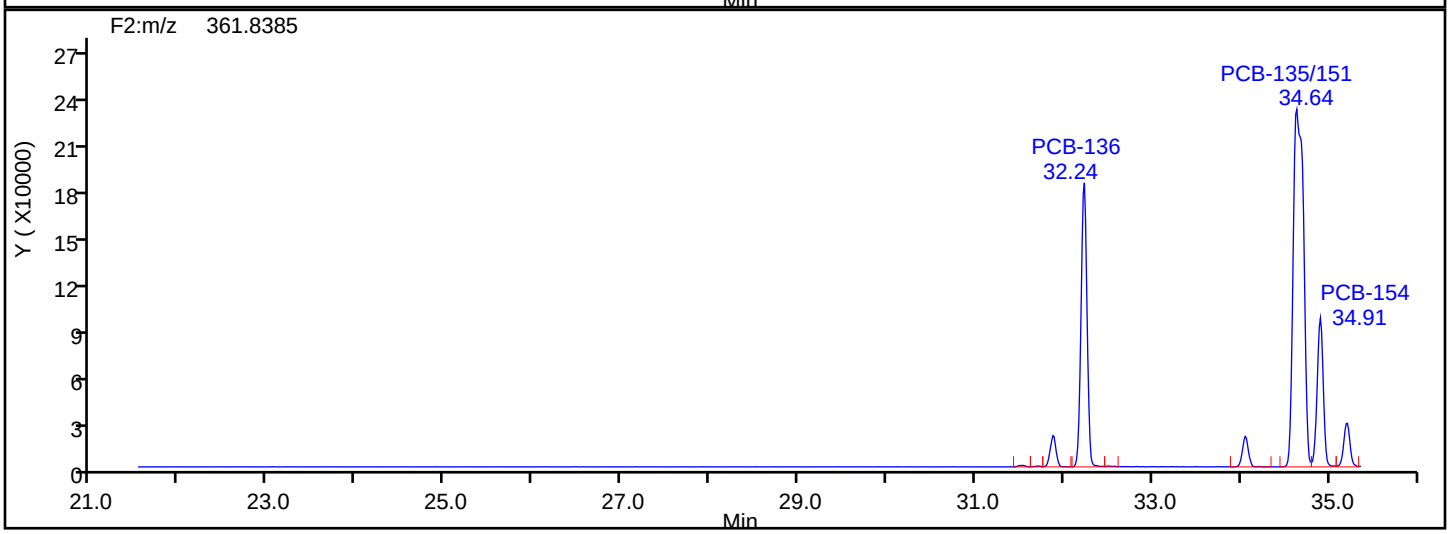



Eurofins TestAmerica, Knoxville

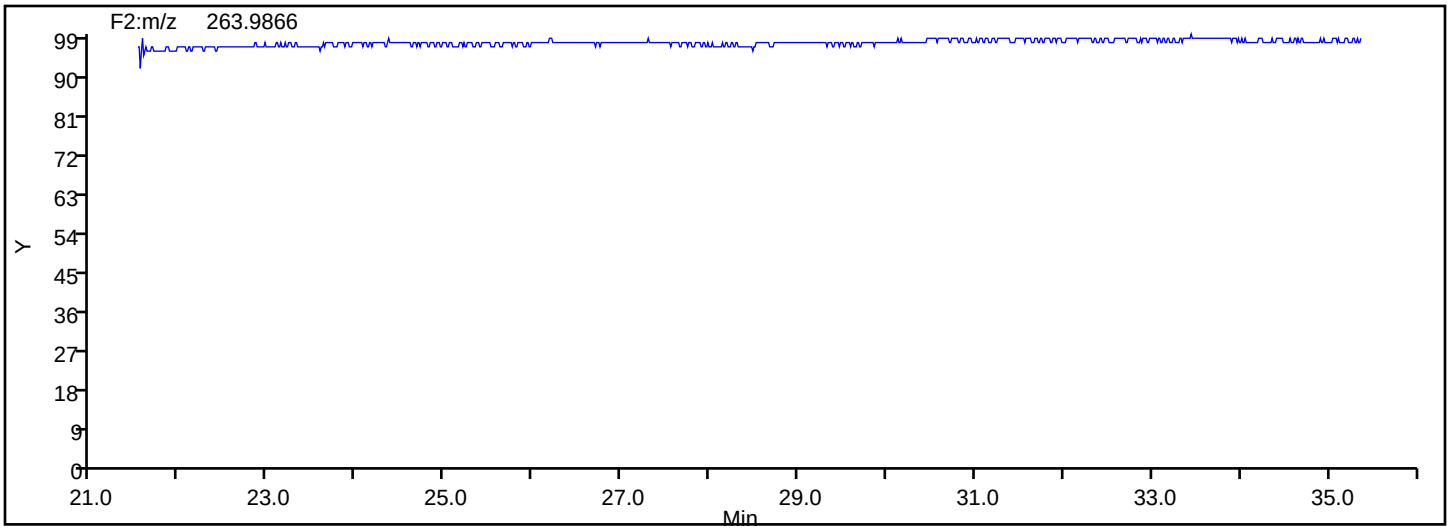
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

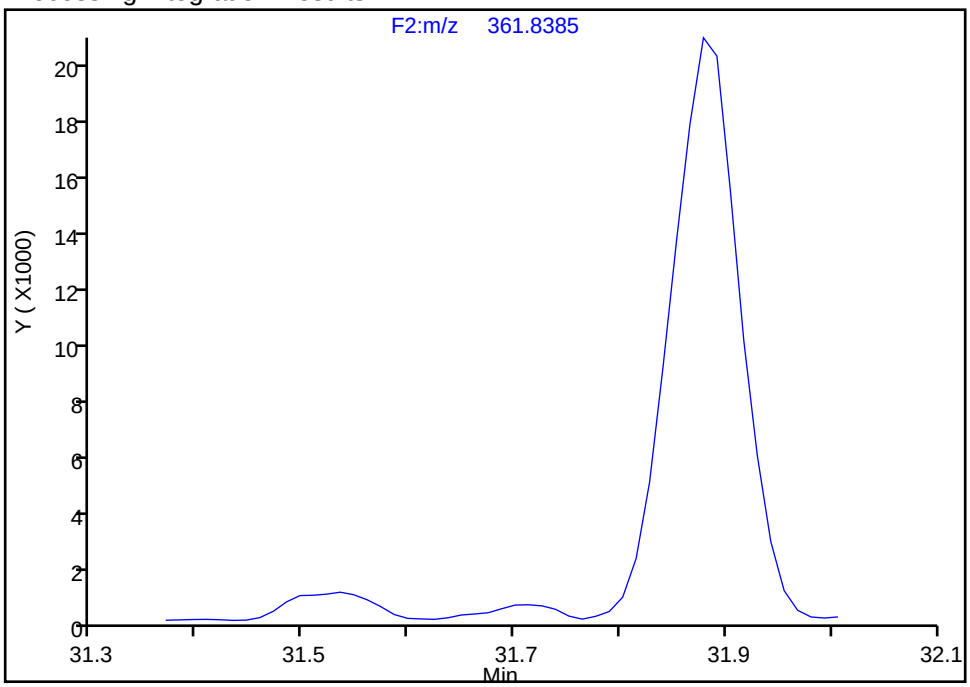
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-152, CAS: 68194-09-2

Signal: 2

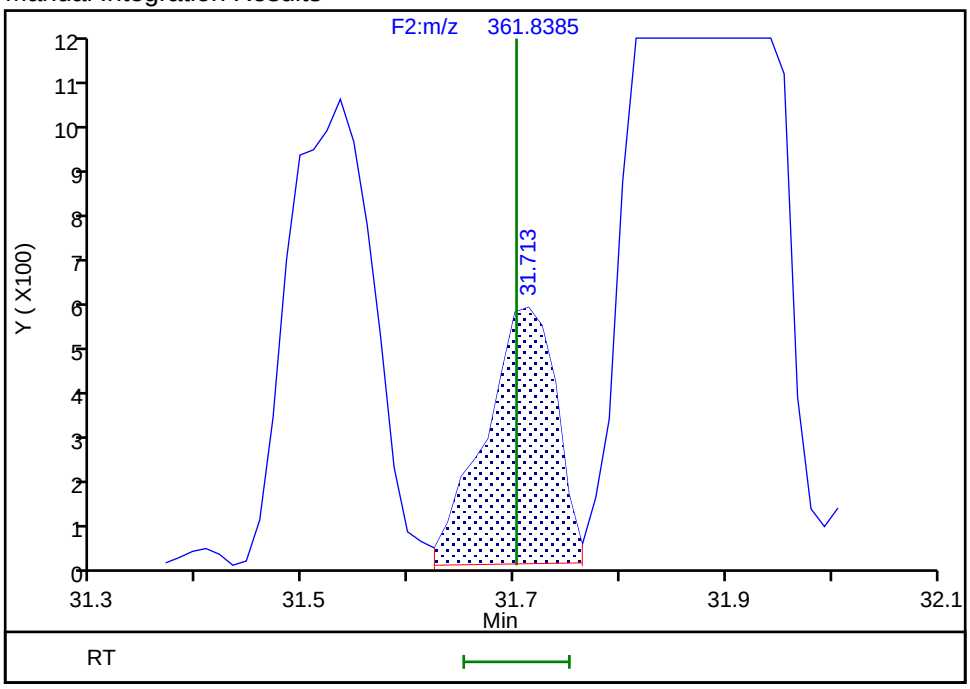
Not Detected
Expected RT: 31.70

Processing Integration Results




Manual Integration Results

RT: 31.71
Area: 2506
Amount: 0.180040
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:28:41
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

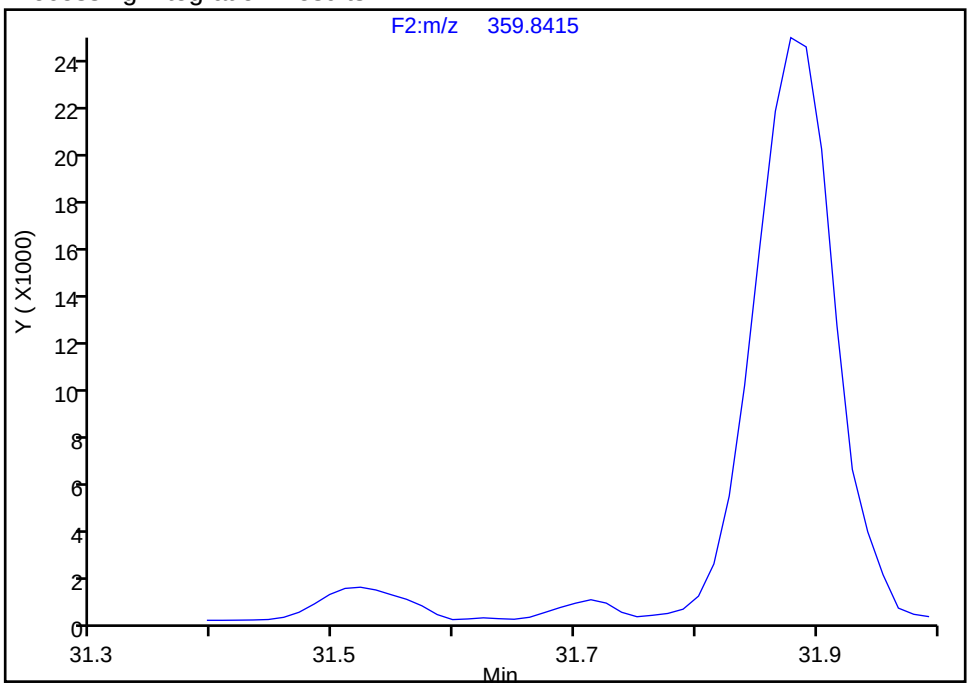
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-152, CAS: 68194-09-2

Signal: 1

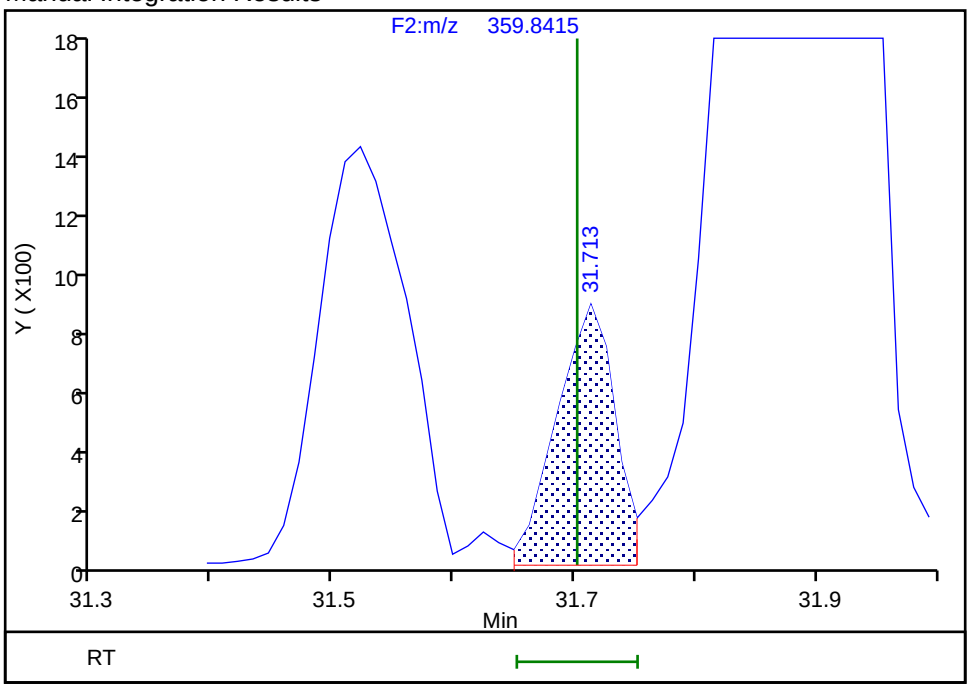
Not Detected
Expected RT: 31.70

Processing Integration Results




Manual Integration Results

RT: 31.71
Area: 2927
Amount: 0.180040
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:28:45
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

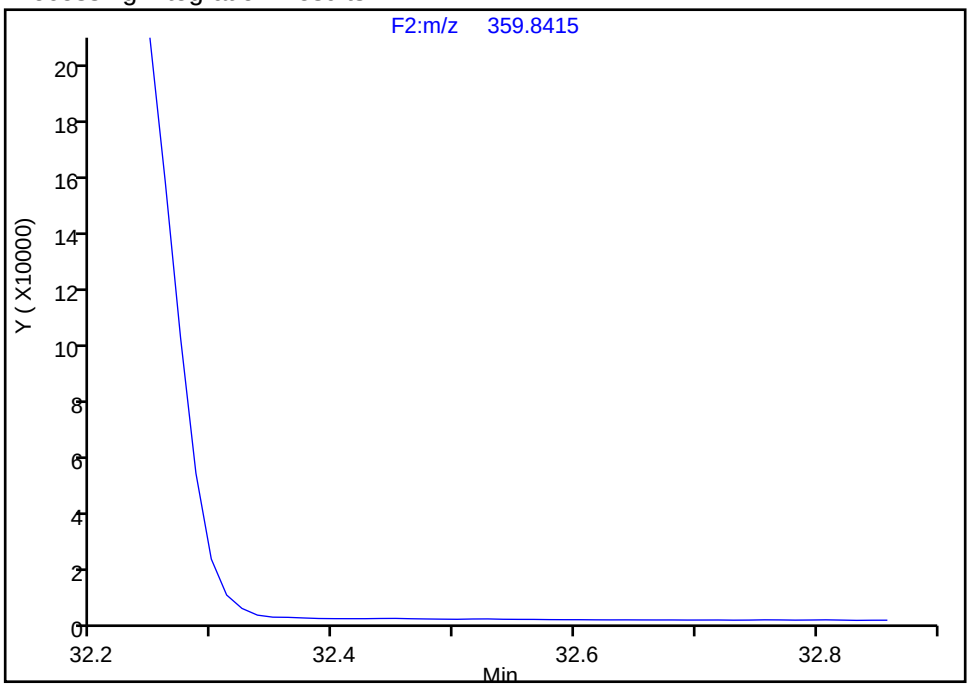
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

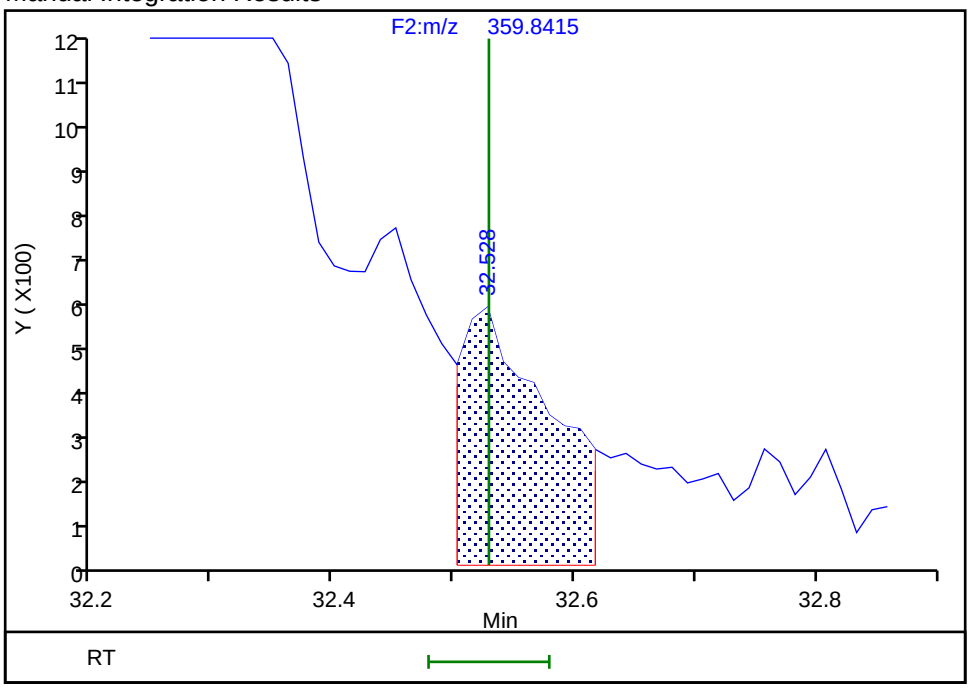
Not Detected
Expected RT: 32.53

Processing Integration Results




Manual Integration Results

RT: 32.53
Area: 2832
Amount: 0.210983
Amount Units: pg/ul

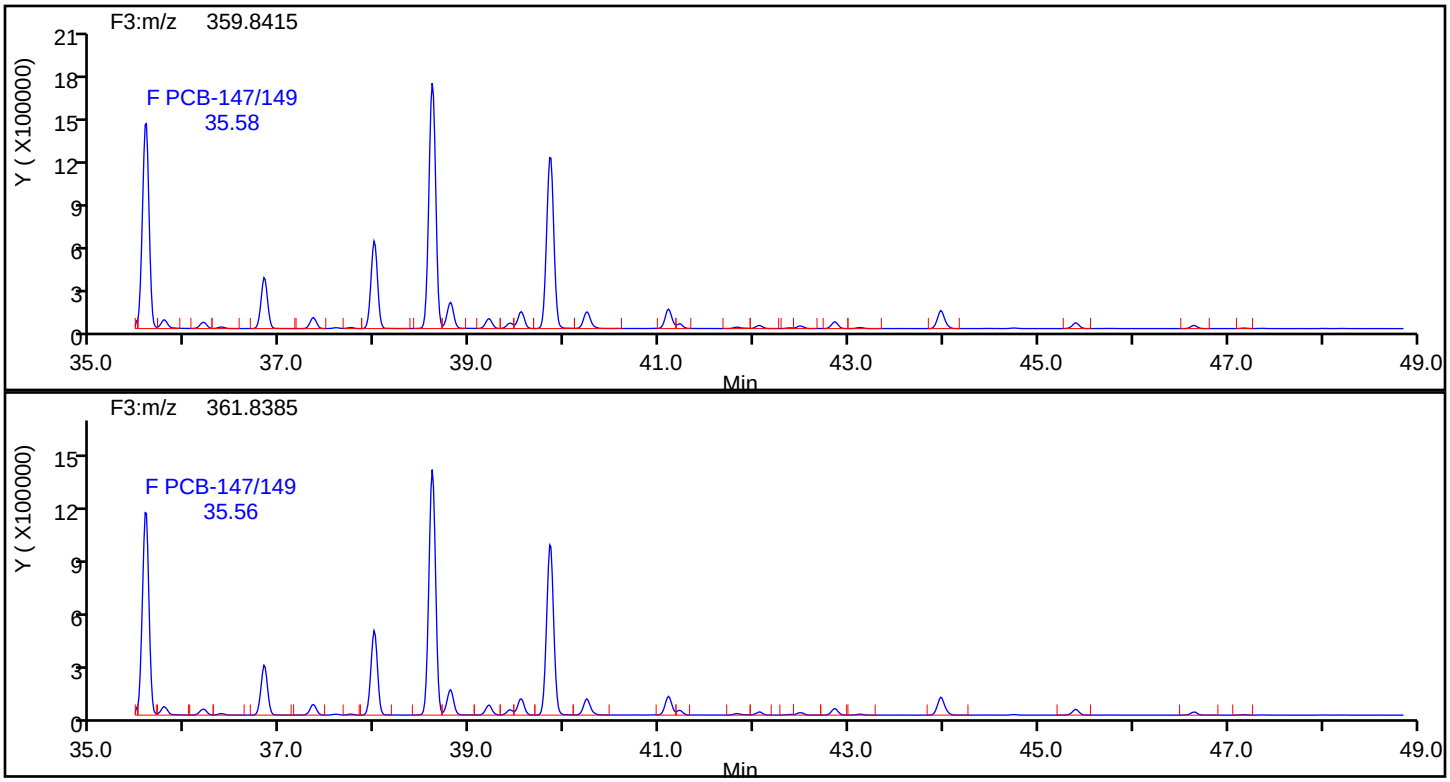



Reviewer: mcwhirterl, 04-Oct-2019 00:29:30
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

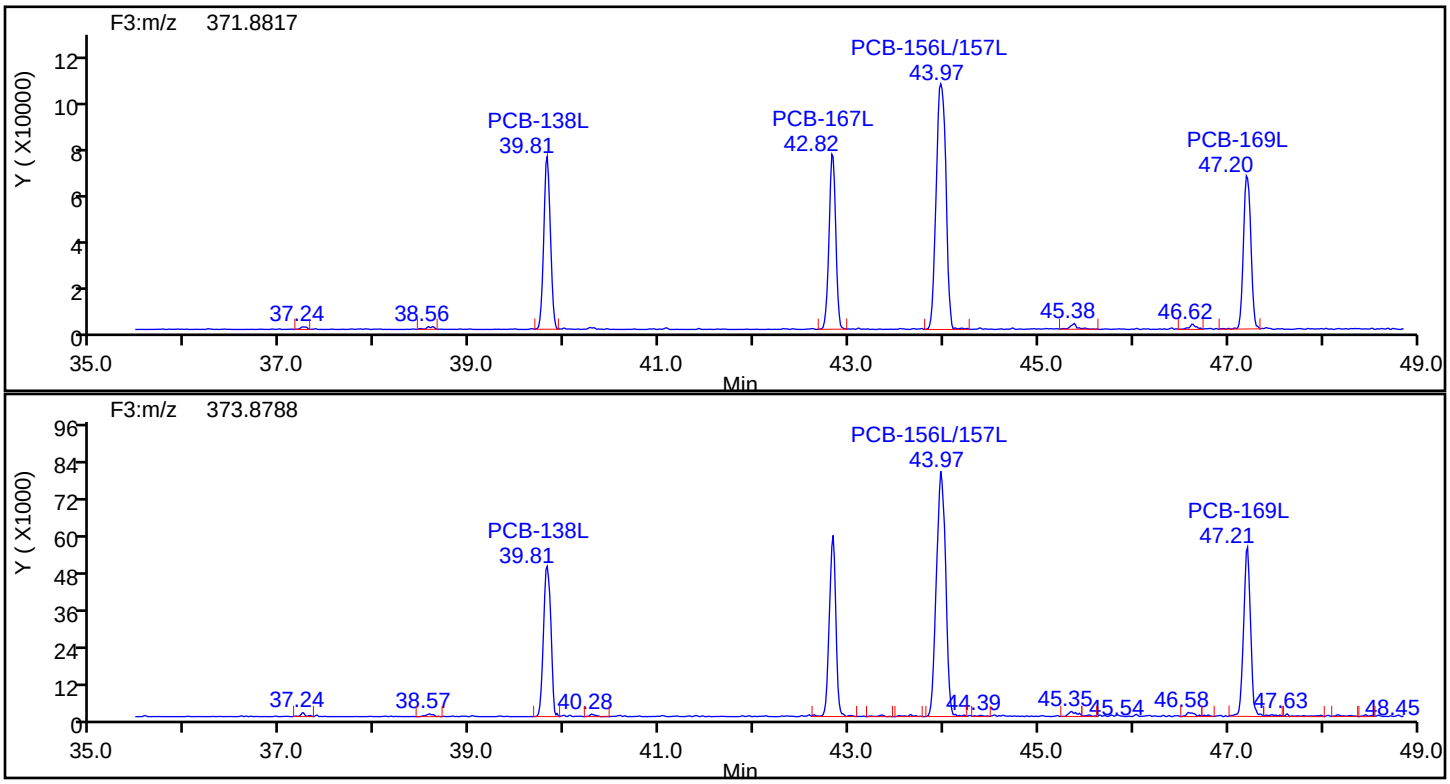
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



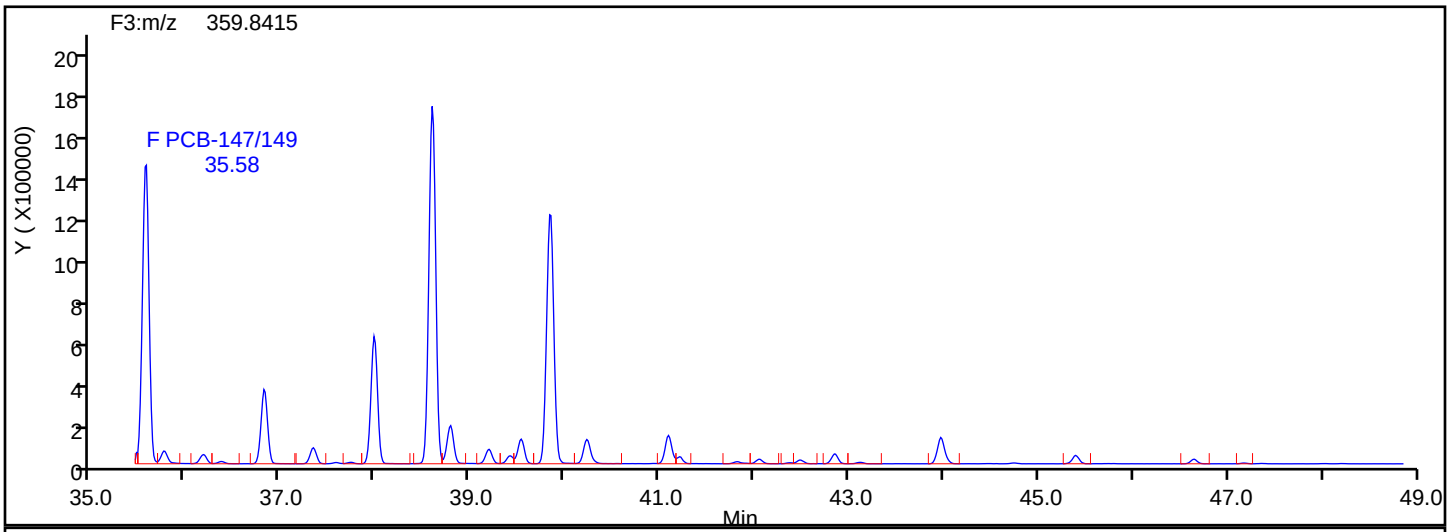

HxPCB F3 Standards

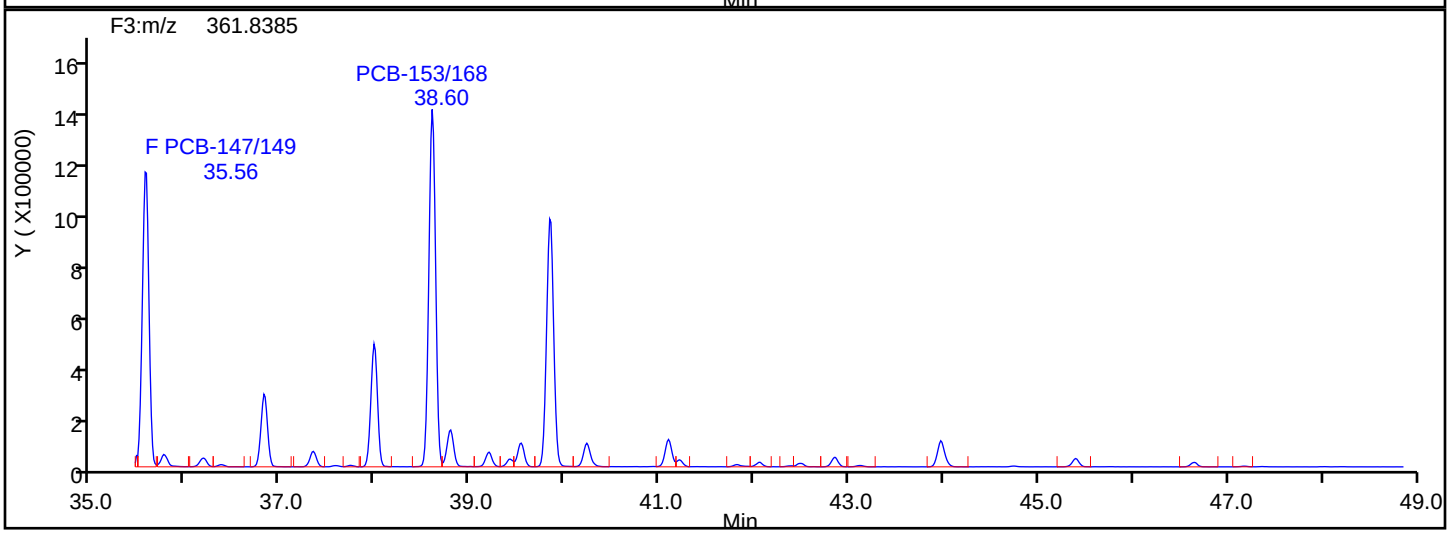


Eurofins TestAmerica, Knoxville

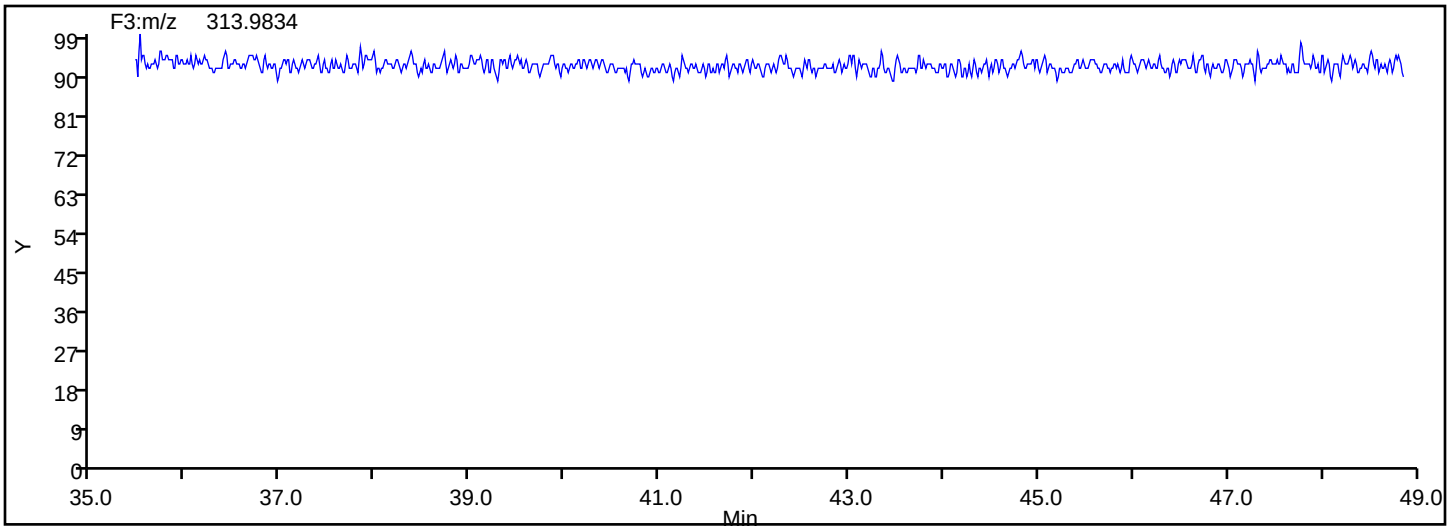
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

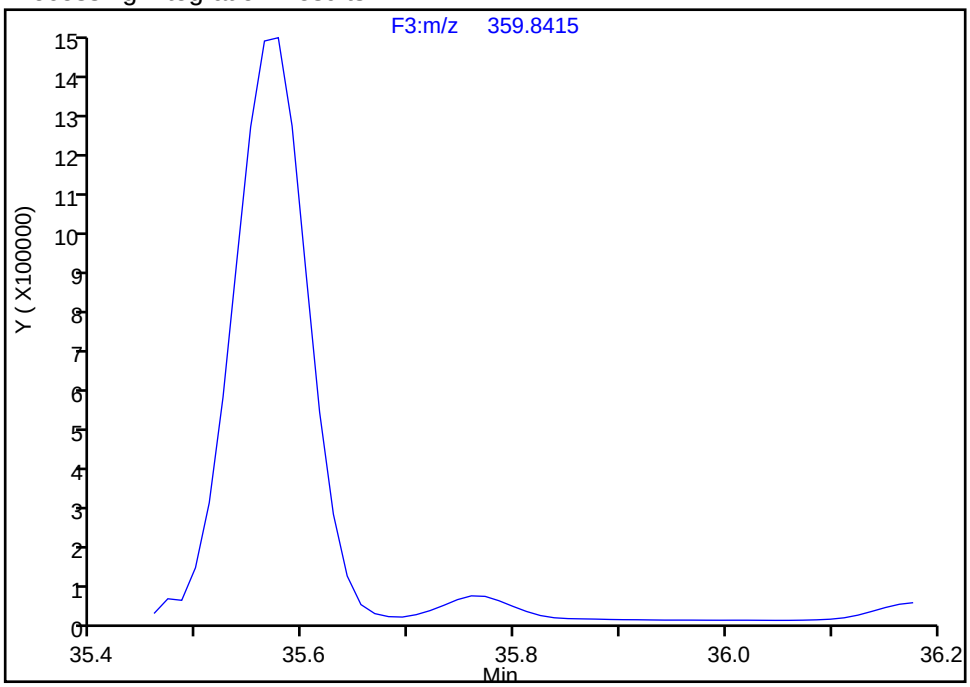
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

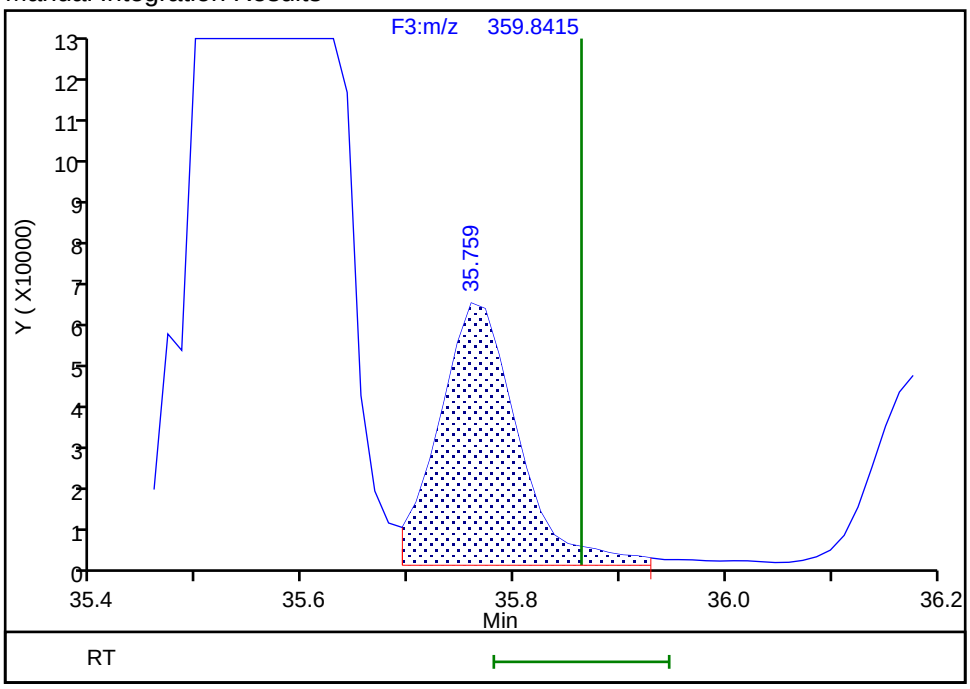
Not Detected
Expected RT: 35.86

Processing Integration Results




Manual Integration Results

RT: 35.76
Area: 310485
Amount: 20.699159
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:29:41
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

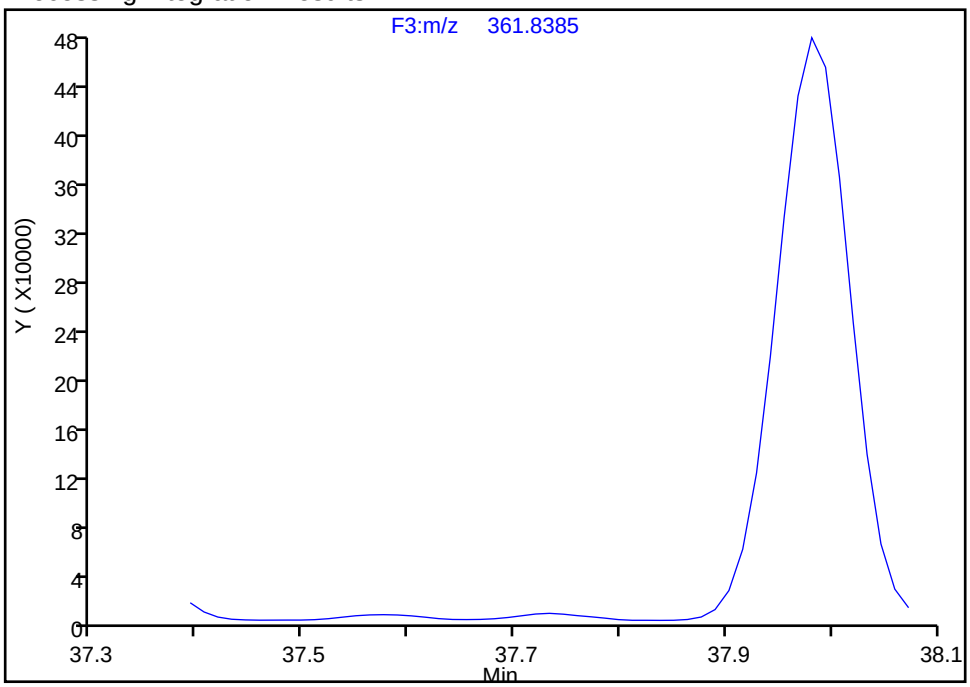
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-165, CAS: 74472-46-1

Signal: 2

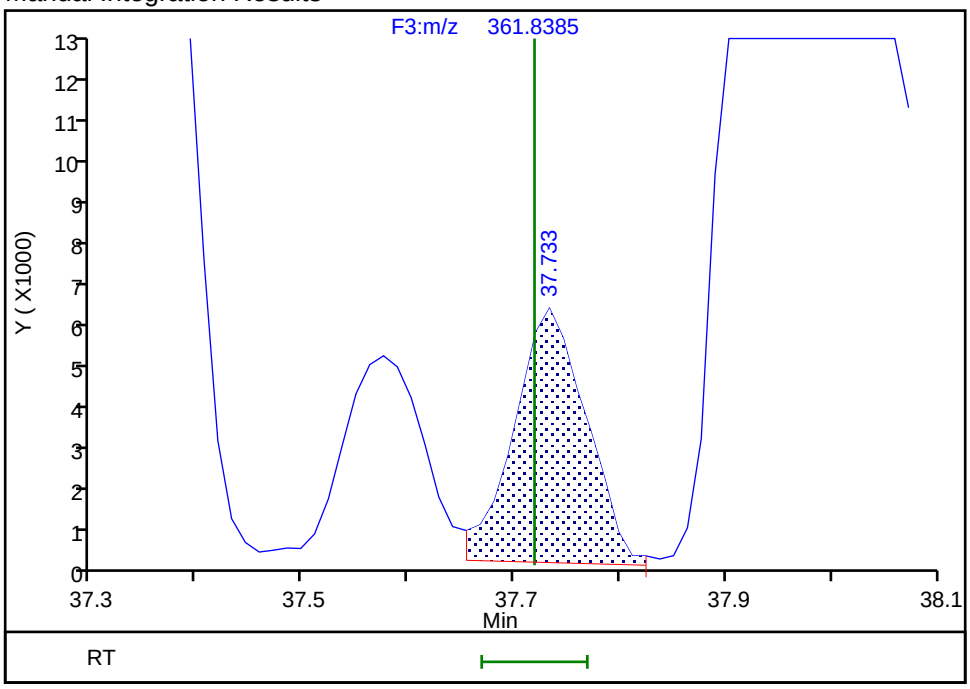
Not Detected
Expected RT: 37.72

Processing Integration Results




Manual Integration Results

RT: 37.73
Area: 27422
Amount: 1.720953
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:30:13
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

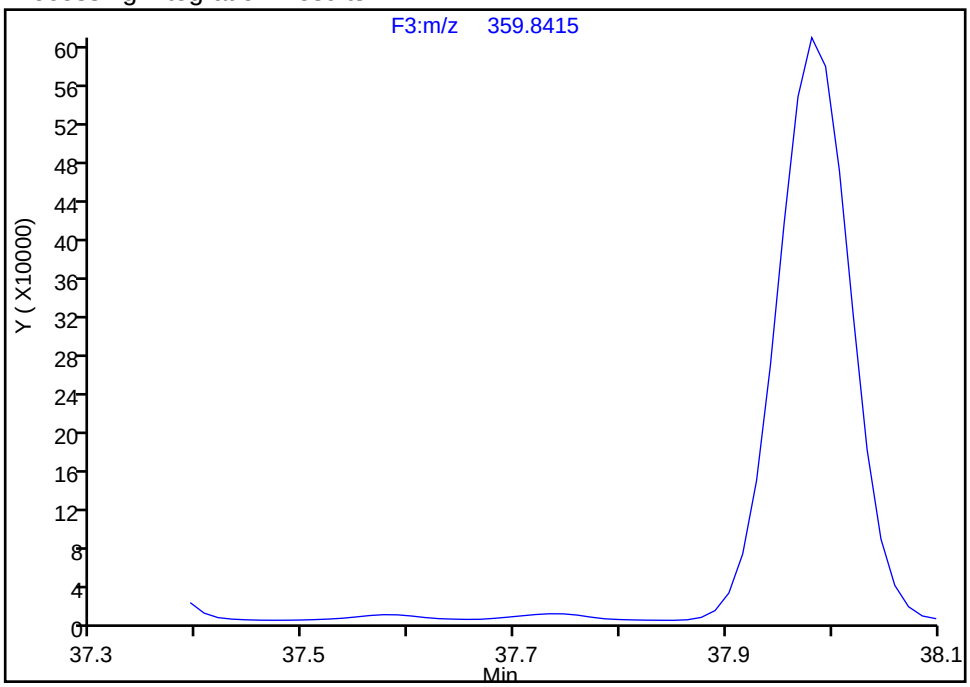
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-165, CAS: 74472-46-1

Signal: 1

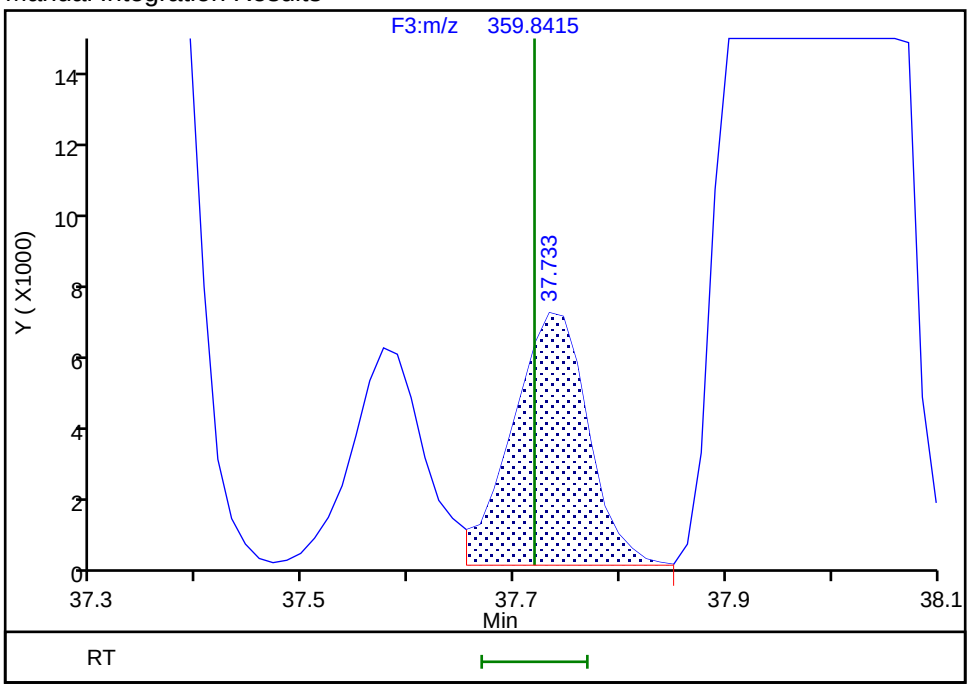
Not Detected
Expected RT: 37.72

Processing Integration Results




Manual Integration Results

RT: 37.73
Area: 33690
Amount: 1.720953
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:30:16
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

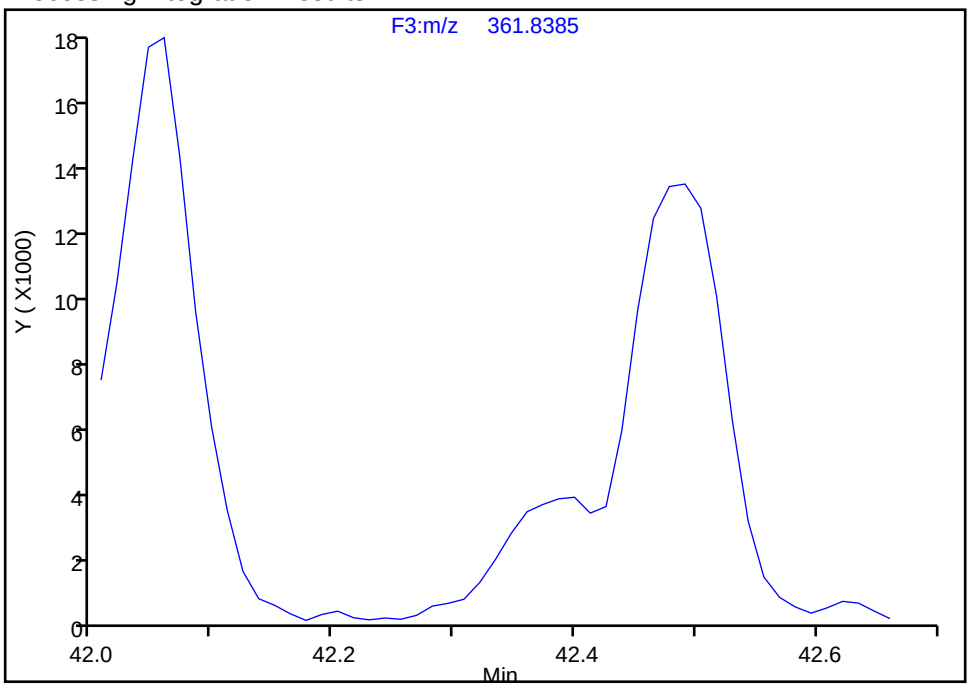
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

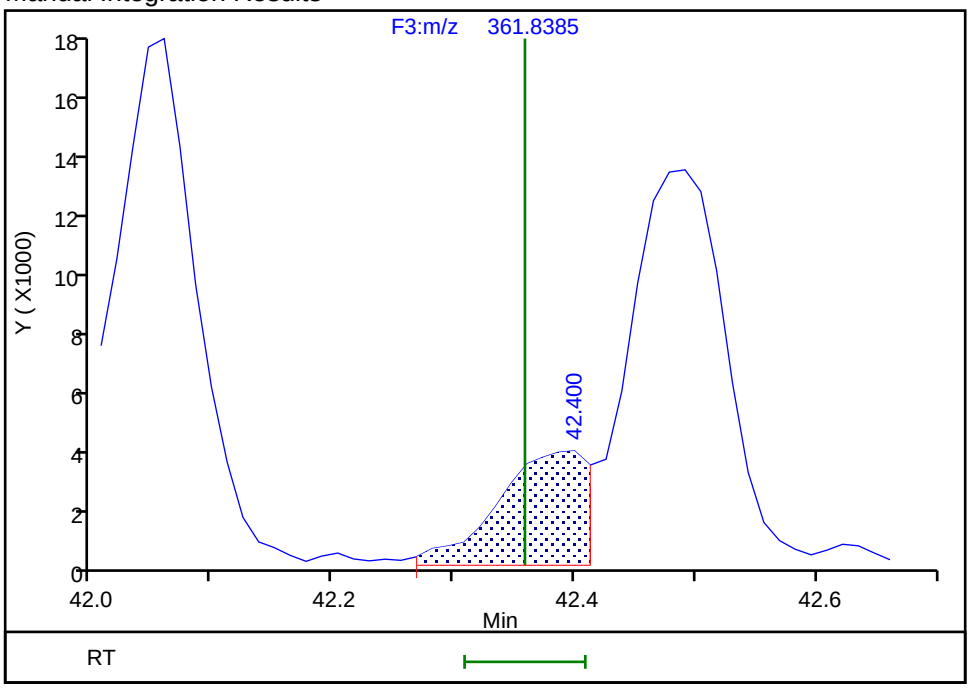
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.40
Area: 19096
Amount: 0.974912
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:31:06
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

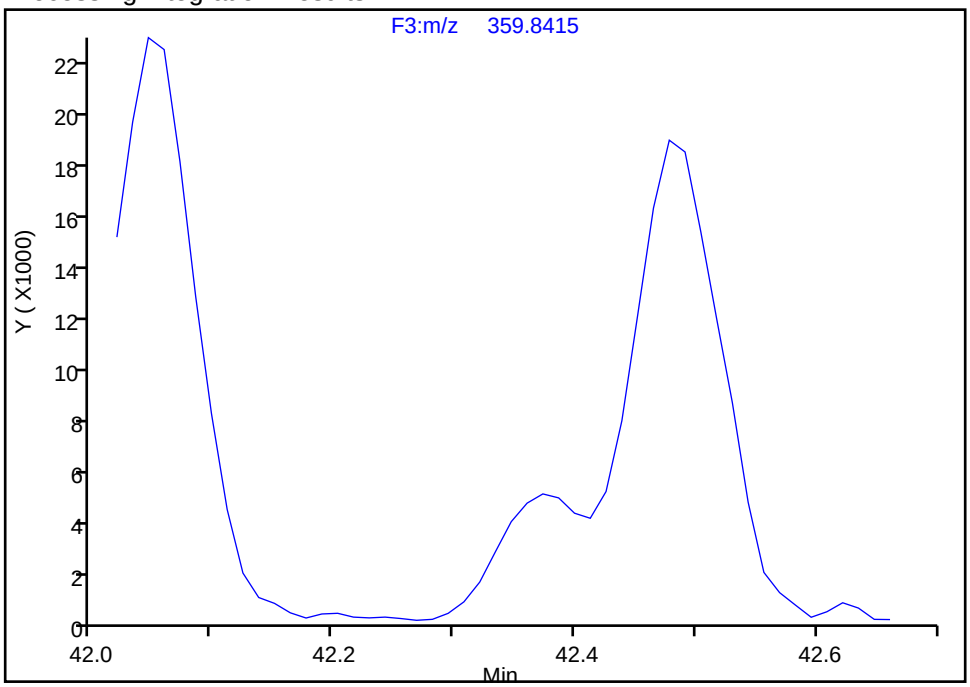
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

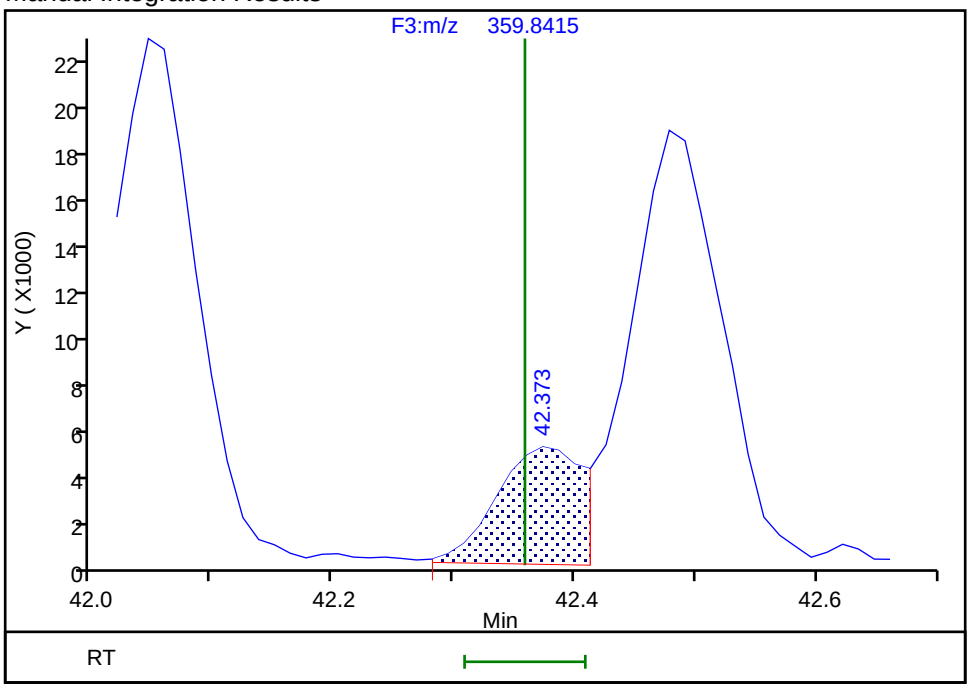
Not Detected
Expected RT: 42.36

Processing Integration Results




Manual Integration Results

RT: 42.37
Area: 22975
Amount: 0.974912
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:31:09
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

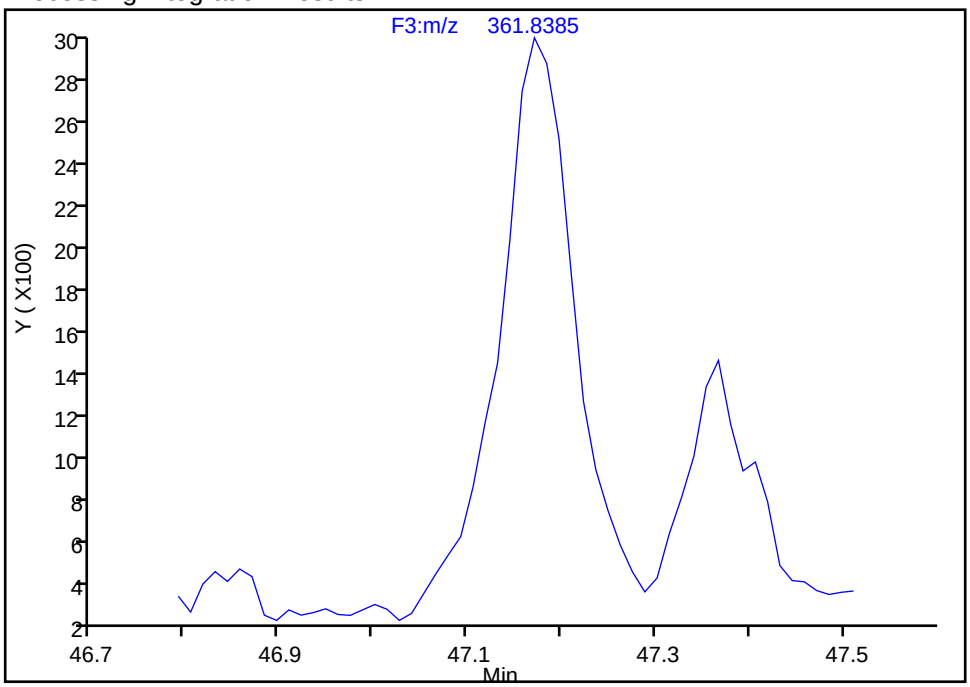
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 2

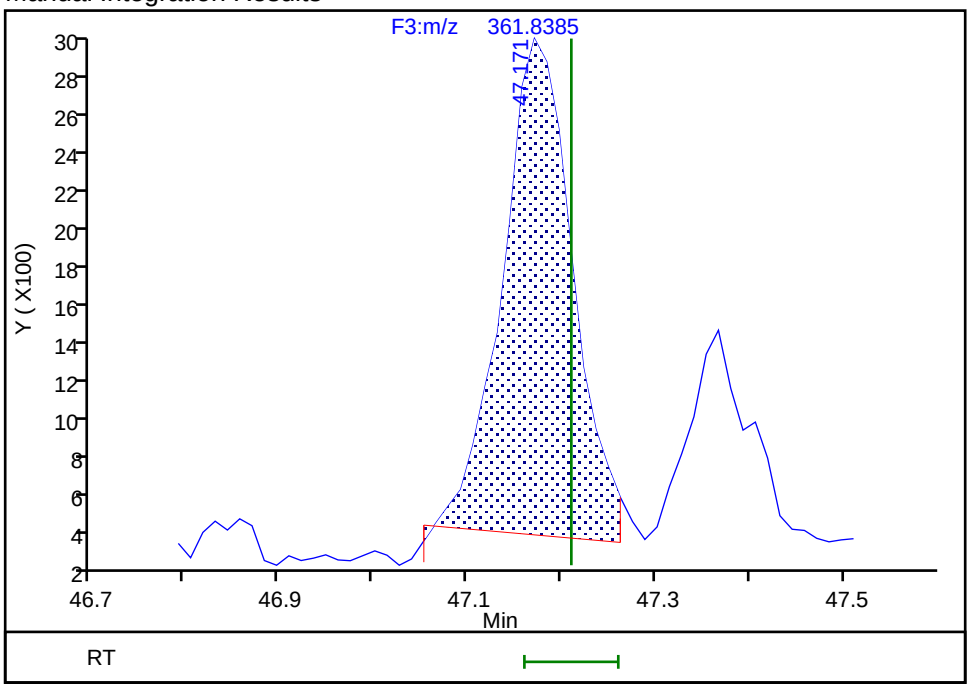
Not Detected
Expected RT: 47.21

Processing Integration Results




Manual Integration Results

RT: 47.17
Area: 13110
Amount: 0.757484
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:31:27
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

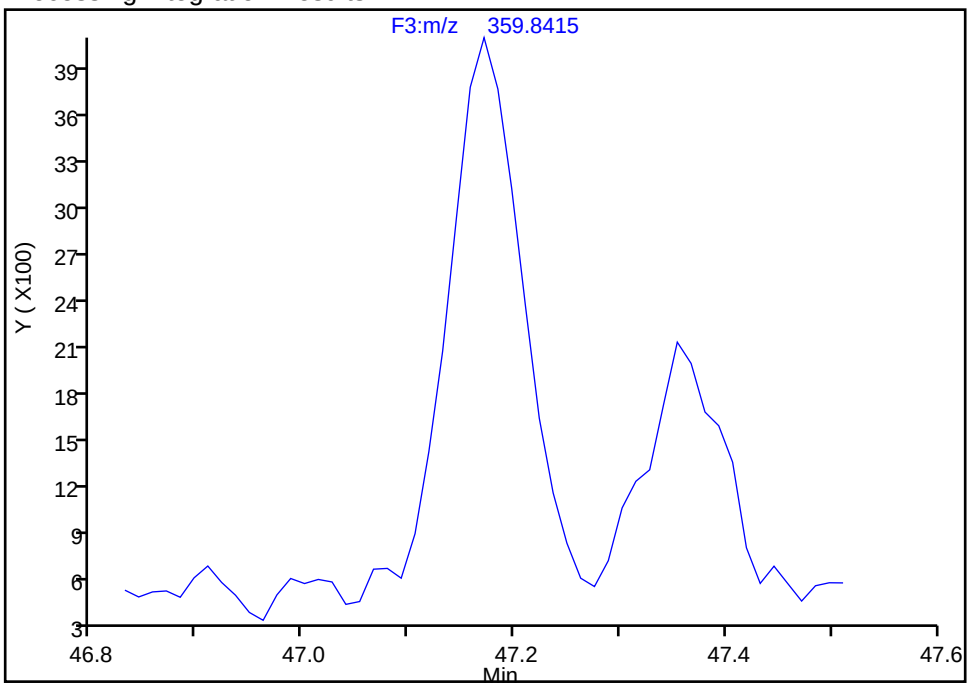
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 1

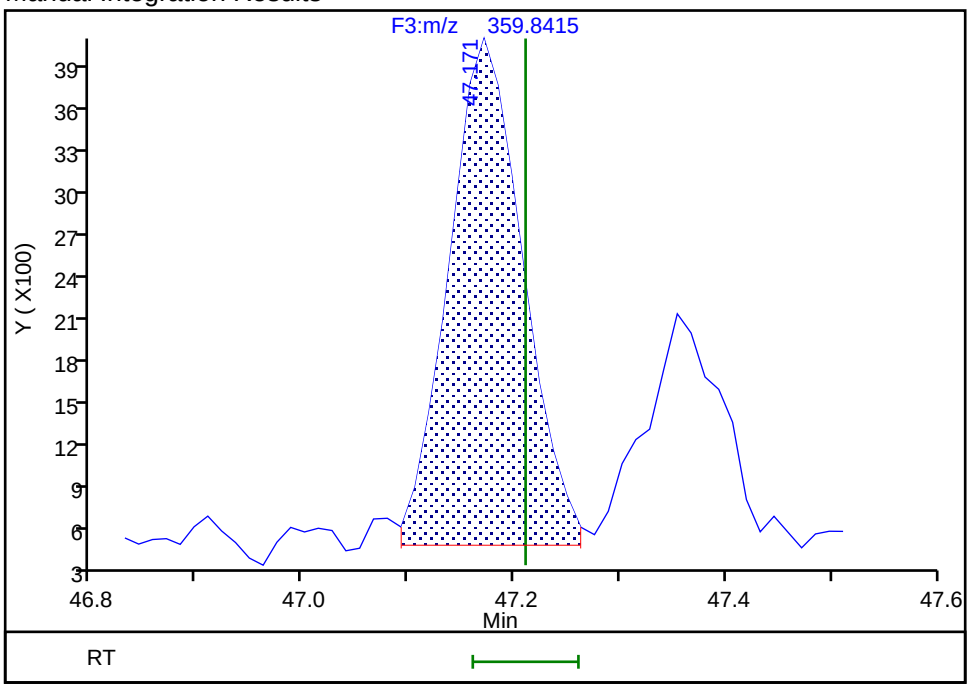
Not Detected
Expected RT: 47.21

Processing Integration Results




Manual Integration Results

RT: 47.17
Area: 17304
Amount: 0.757484
Amount Units: pg/ul



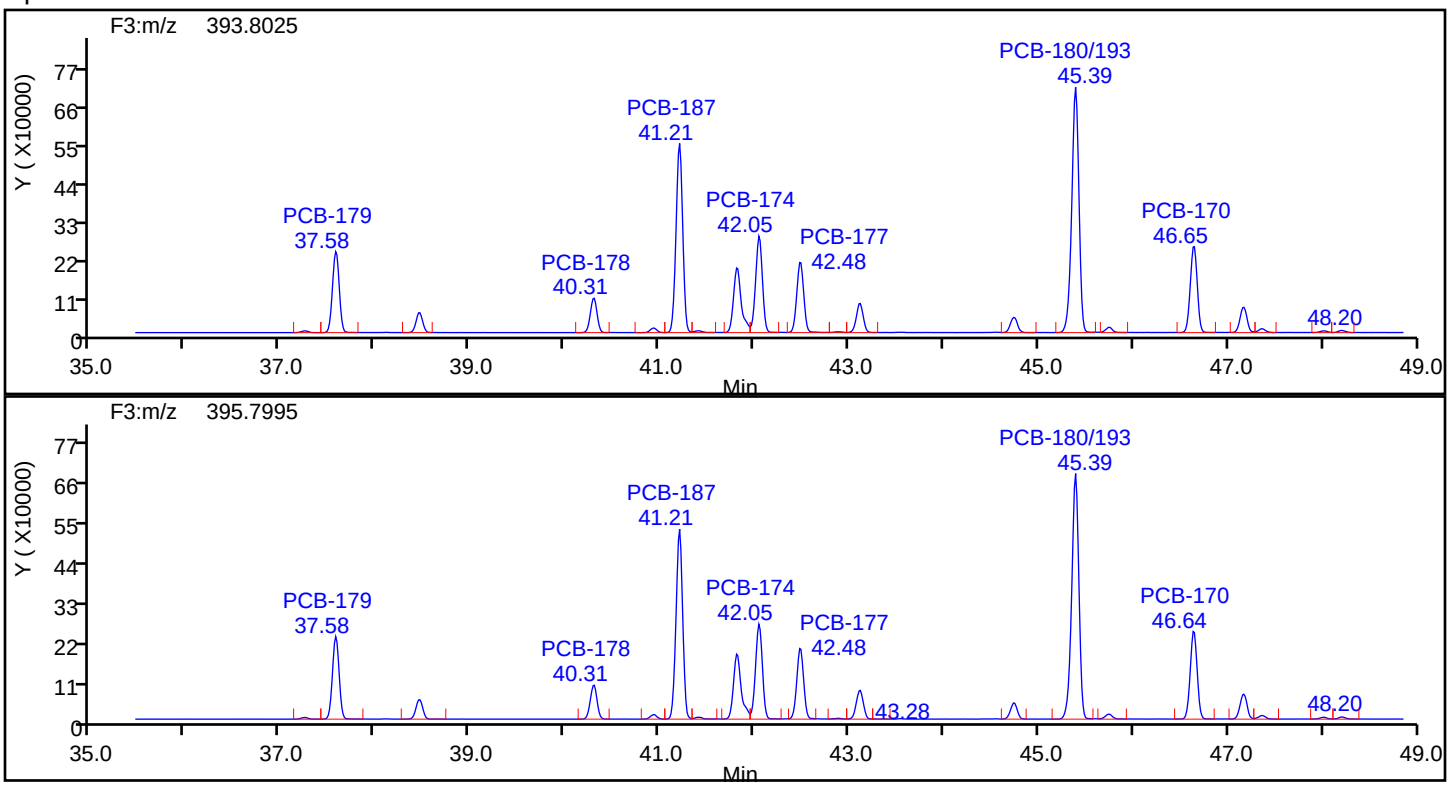

Reviewer: mcwhirterl, 04-Oct-2019 00:31:37
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Report Date: 04-Oct-2019 01:31:10 Chrom Revision: 2.3 17-Sep-2019 16:19:08

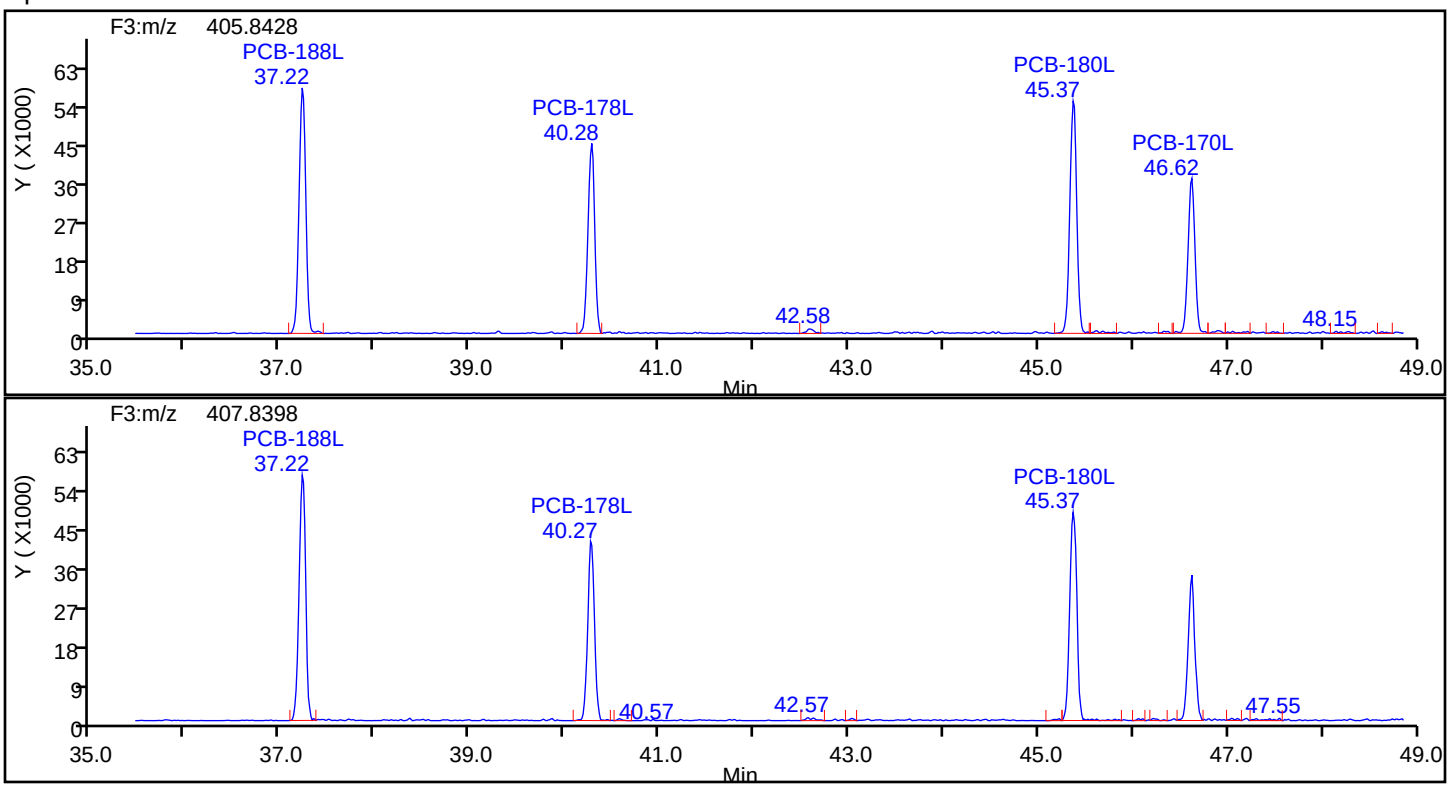
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



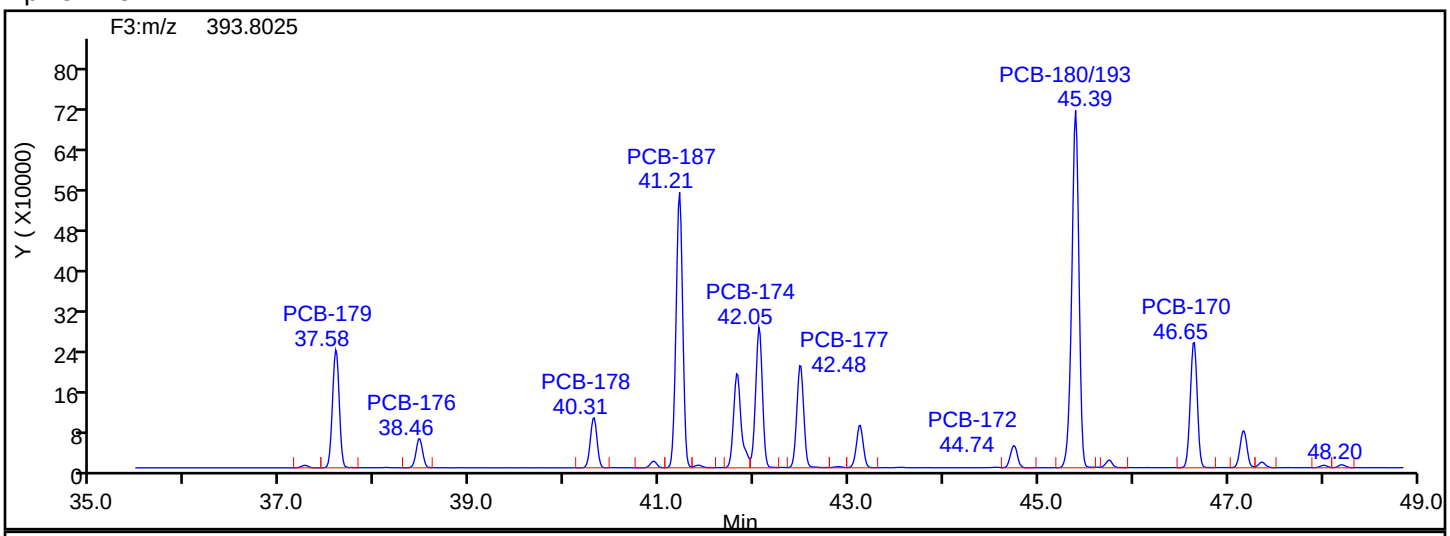

HpPCB F3 Standards

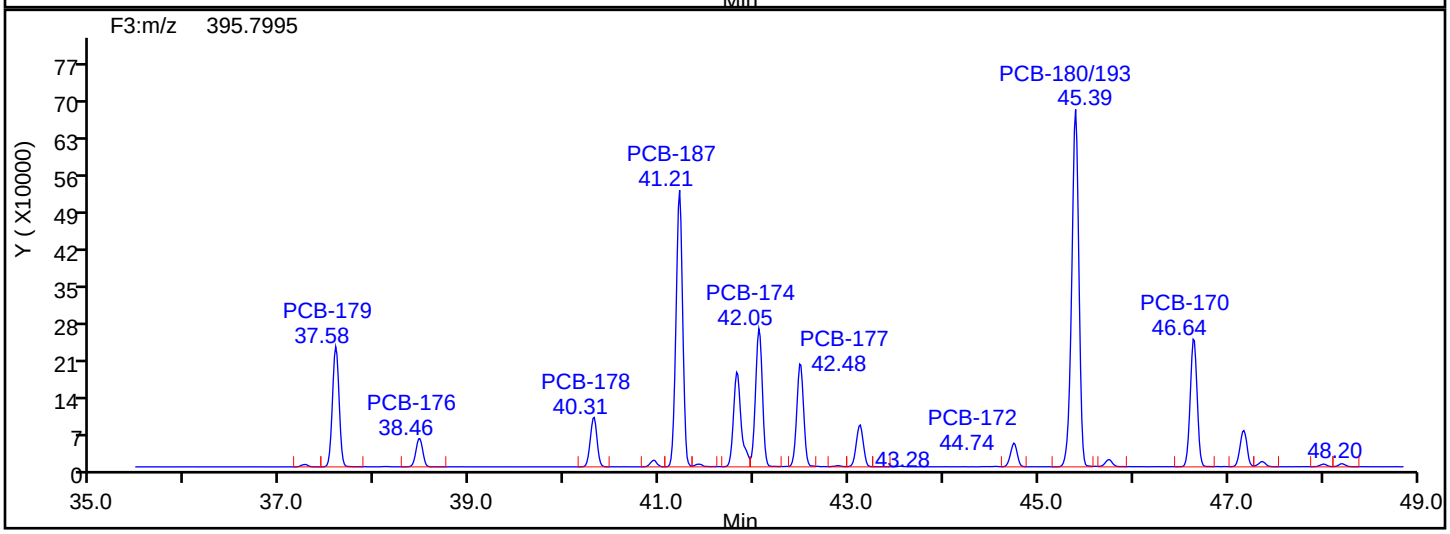


Eurofins TestAmerica, Knoxville

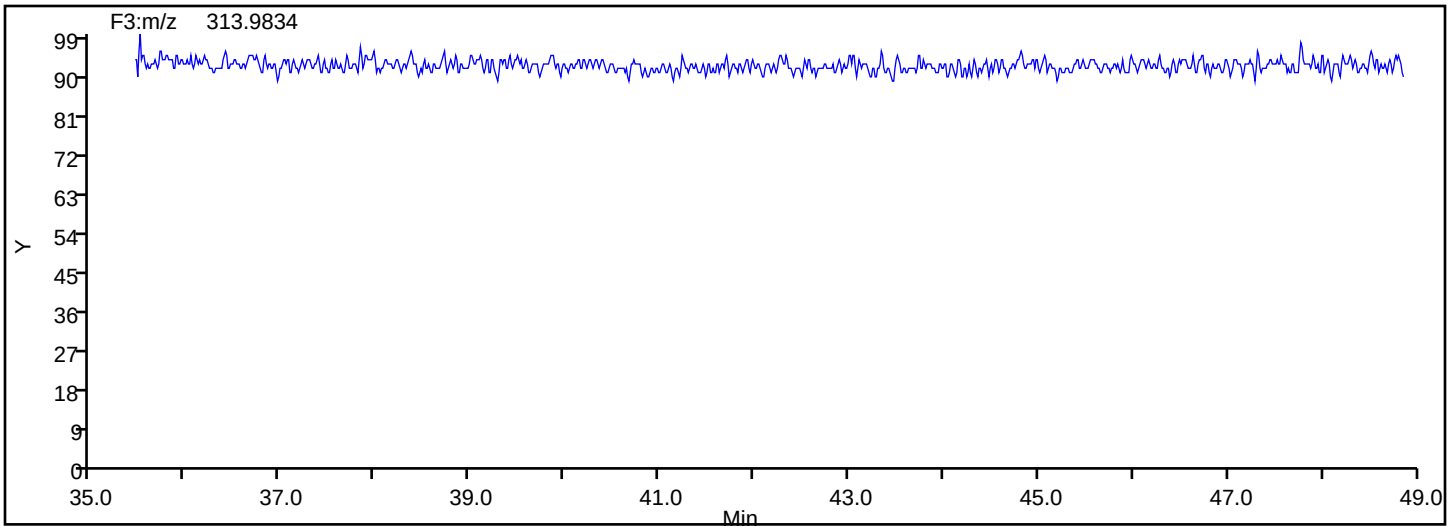
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

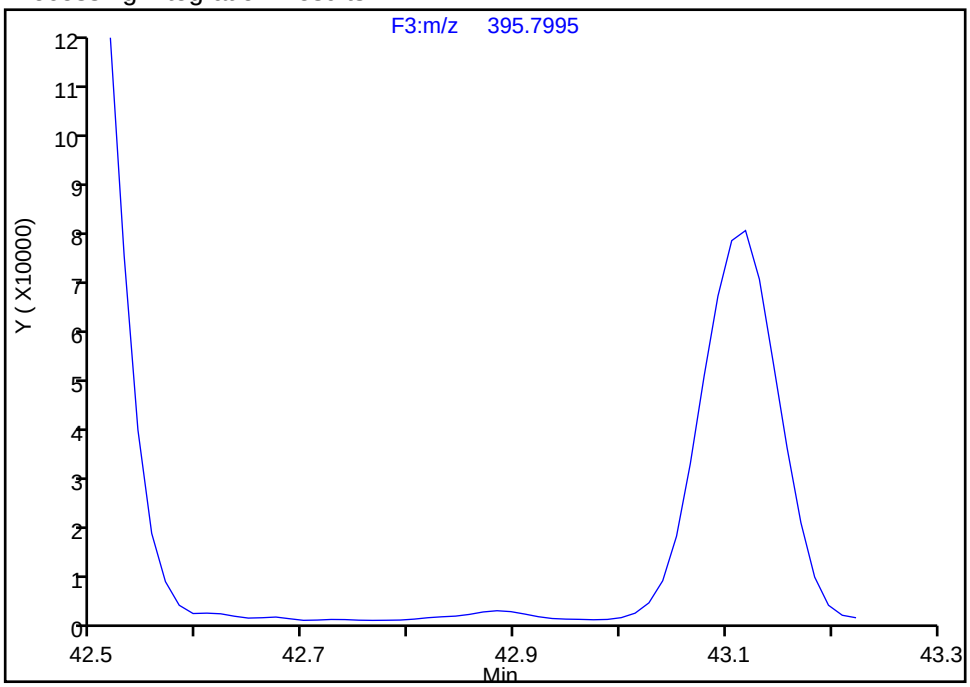
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-181, CAS: 74472-47-2

Signal: 2

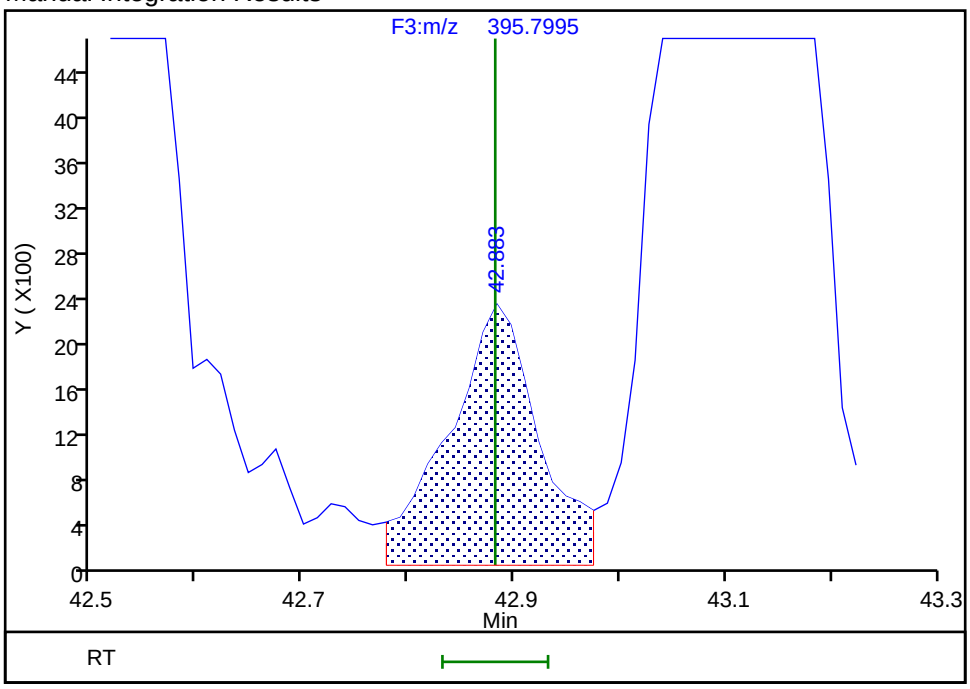
Not Detected
Expected RT: 42.88

Processing Integration Results




Manual Integration Results

RT: 42.88
Area: 13598
Amount: 1.137879
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:32:26
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

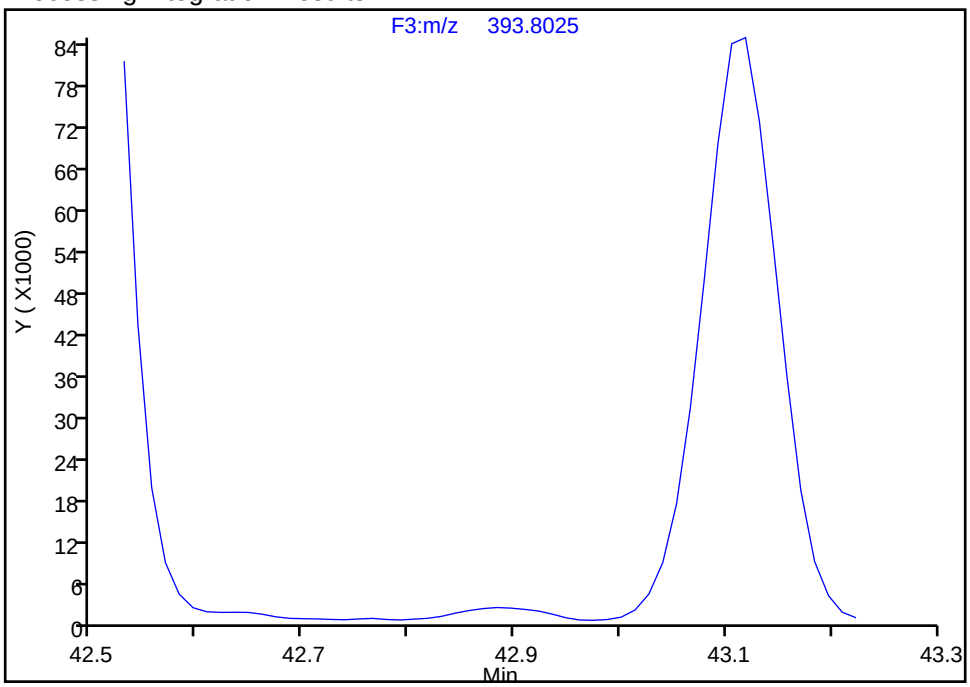
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-181, CAS: 74472-47-2

Signal: 1

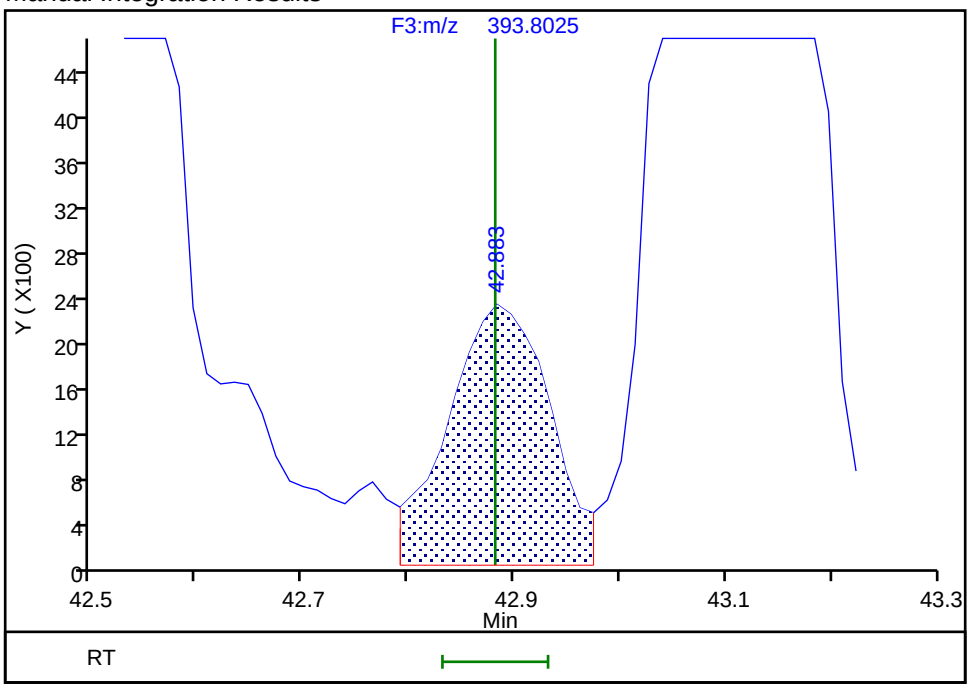
Not Detected
Expected RT: 42.88

Processing Integration Results




Manual Integration Results

RT: 42.88
Area: 15236
Amount: 1.137879
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:32:30
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

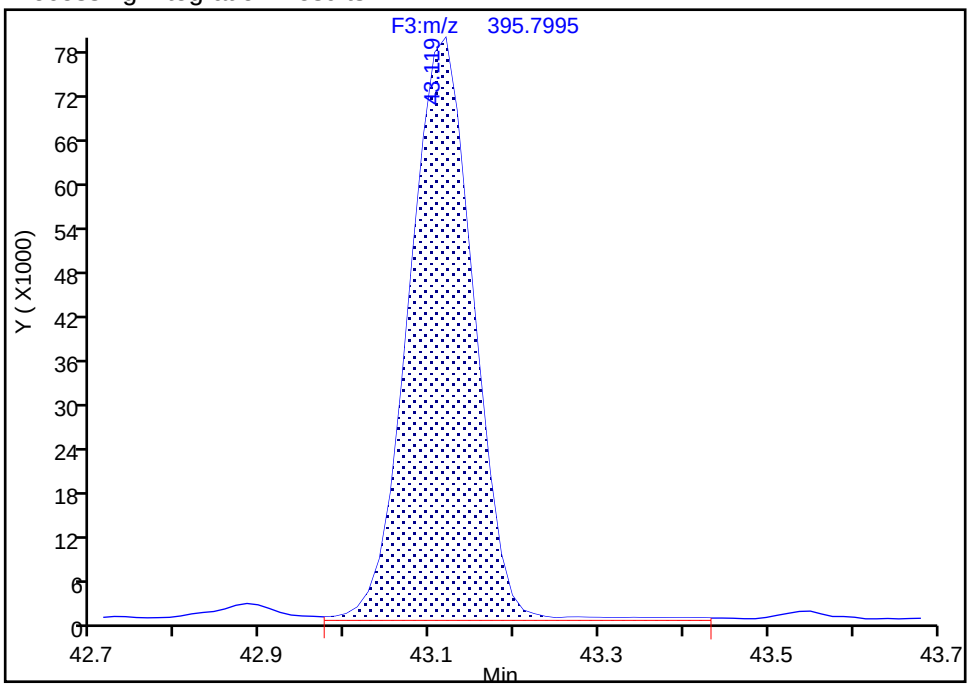
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-171/173, CAS: STL01823

Signal: 2

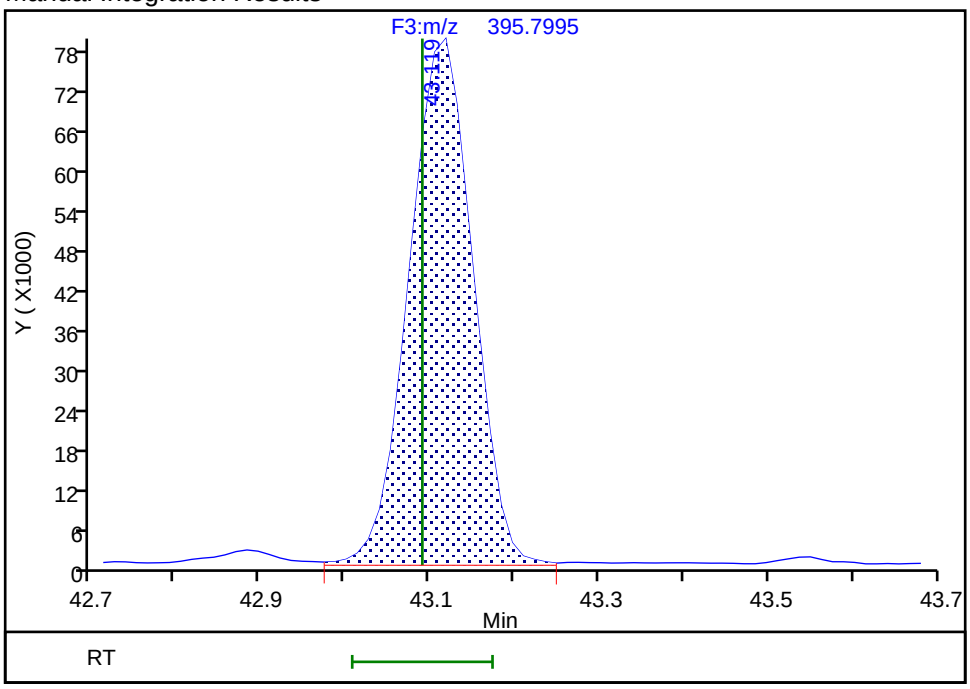
Processing Integration Results

RT: 43.12
Area: 419434
Amount: 38.684700
Amount Units: pg/ul




Manual Integration Results

RT: 43.12
Area: 415410
Amount: 38.501570
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:32:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

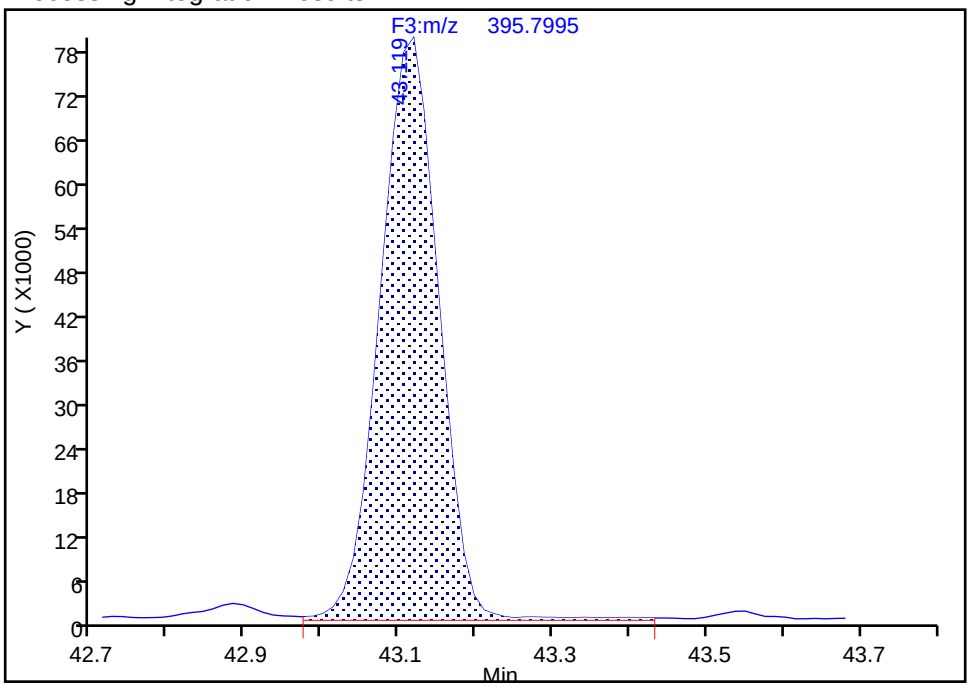
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-171/173, CAS: STL01823

Signal: 3

Processing Integration Results

RT: 43.12
Area: 850039
Amount: 38.684700
Amount Units: pg/ul




Manual Integration Results

RT: 43.12
Area: 846015
Amount: 38.501570
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:32:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

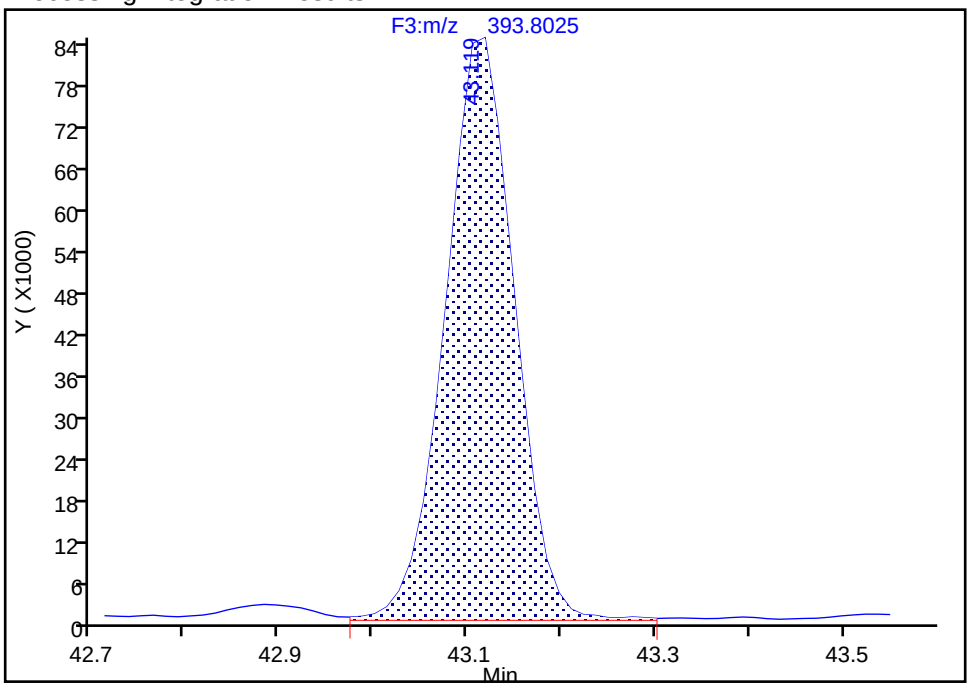
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-31-C | Lab Sample ID: | 140-88908-31 | | |
| Client ID: | J5-SC1b-70to80-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-171/173, CAS: STL01823

Signal: 1

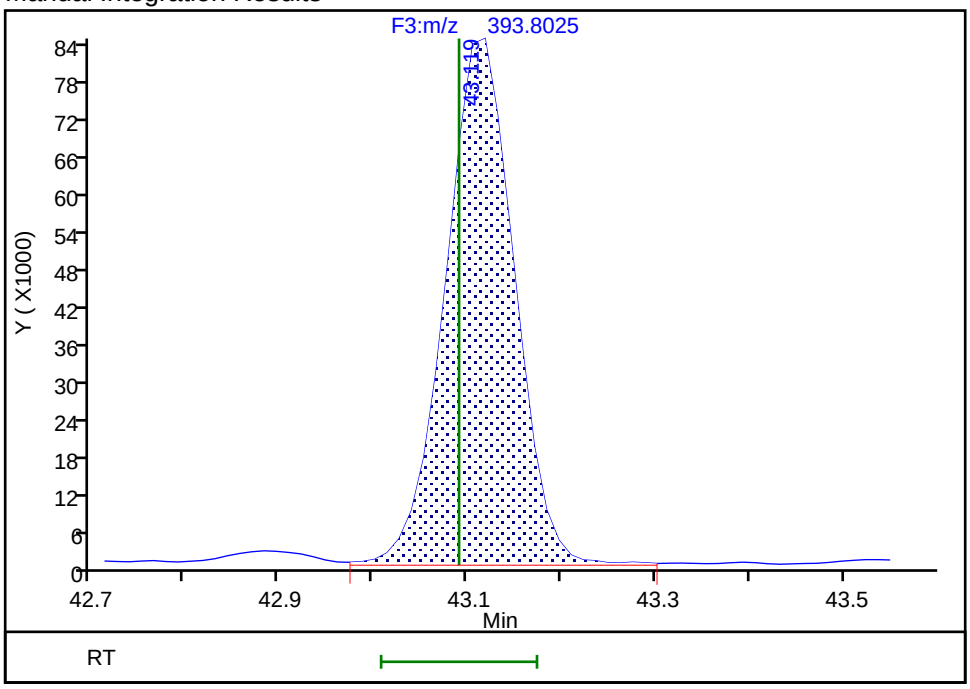
Processing Integration Results

RT: 43.12
Area: 430605
Amount: 38.684700
Amount Units: pg/ul




Manual Integration Results

RT: 43.12
Area: 430605
Amount: 38.501570
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:32:44

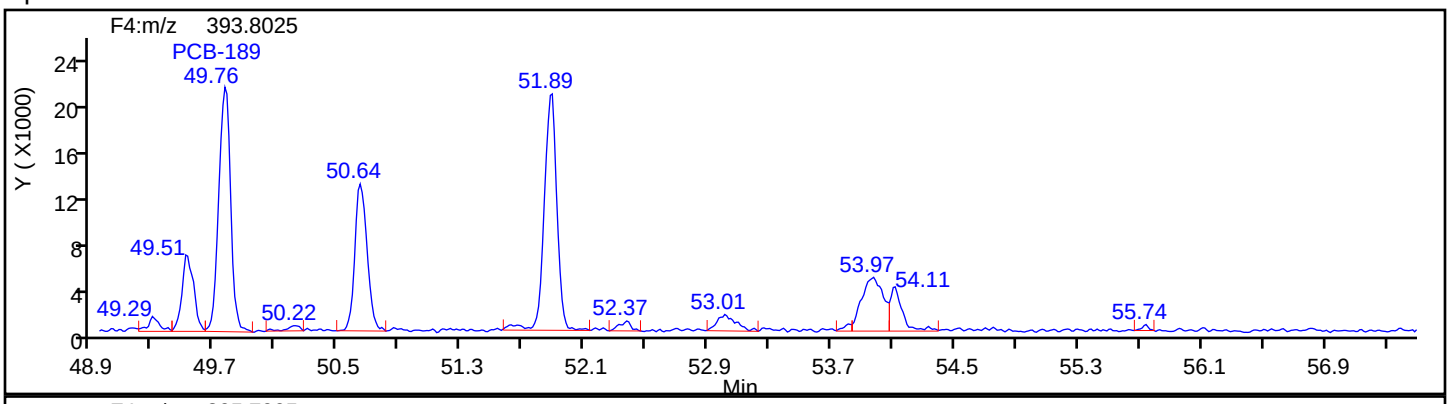
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

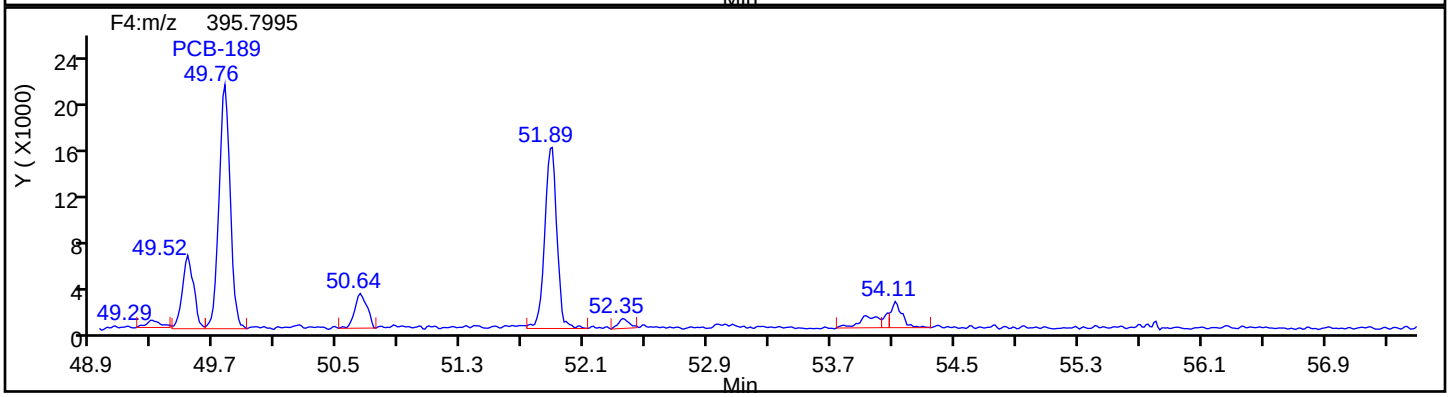
Report Date: 04-Oct-2019 01:31:11 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

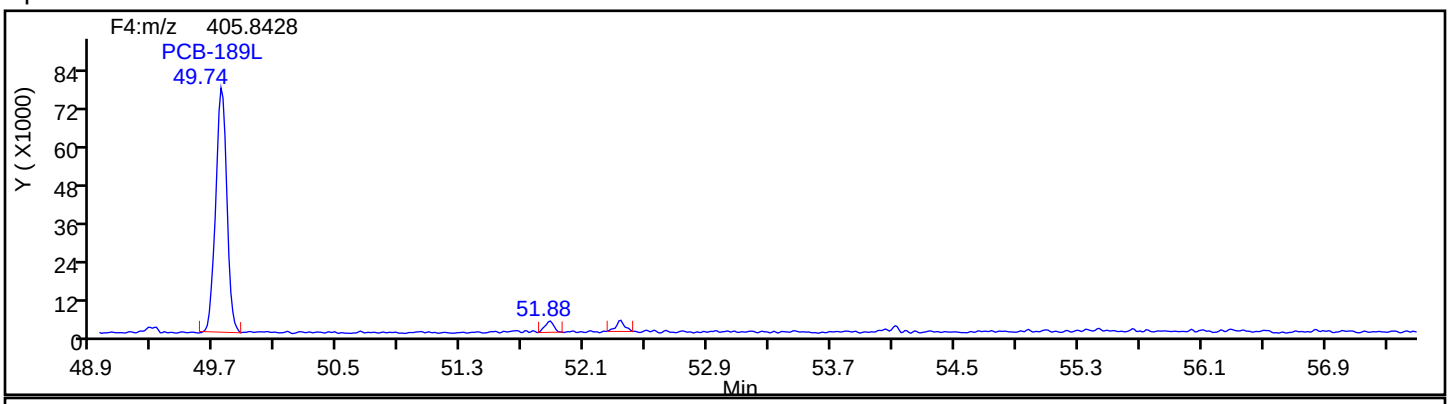
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

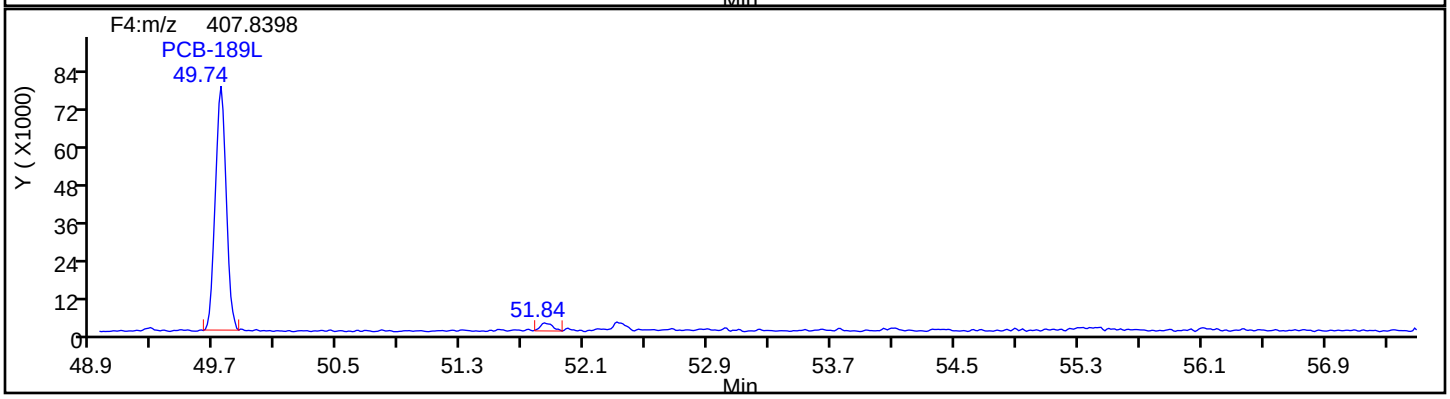
HpPCB F4




HpPCB F4 Standards

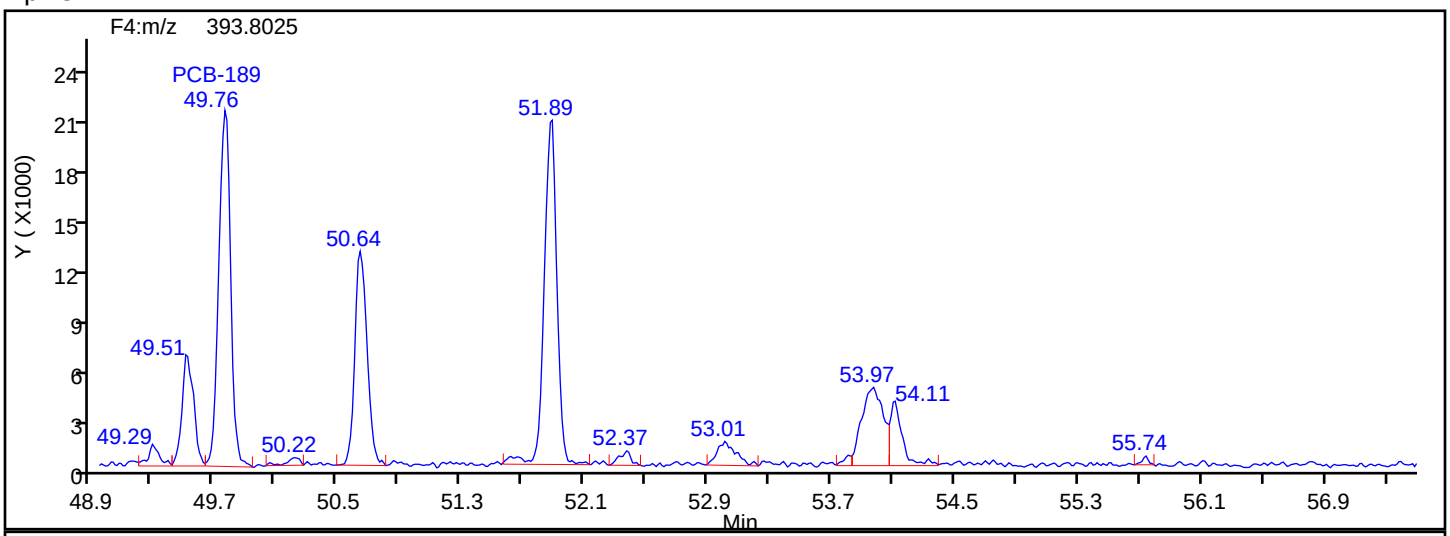


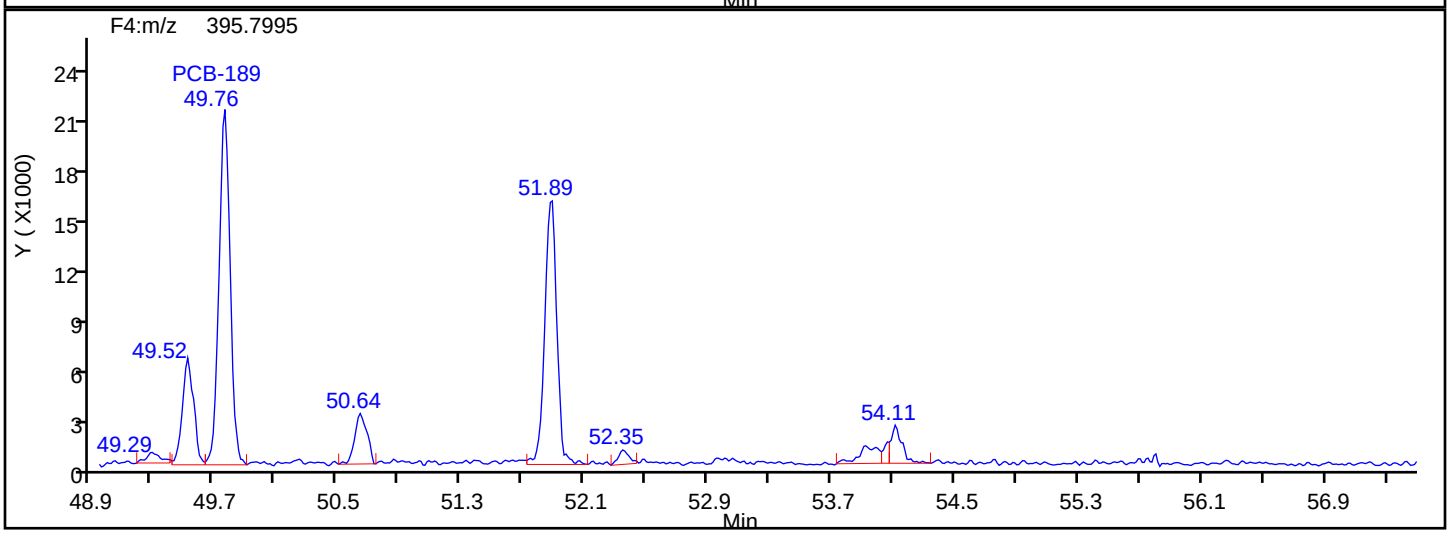



Eurofins TestAmerica, Knoxville

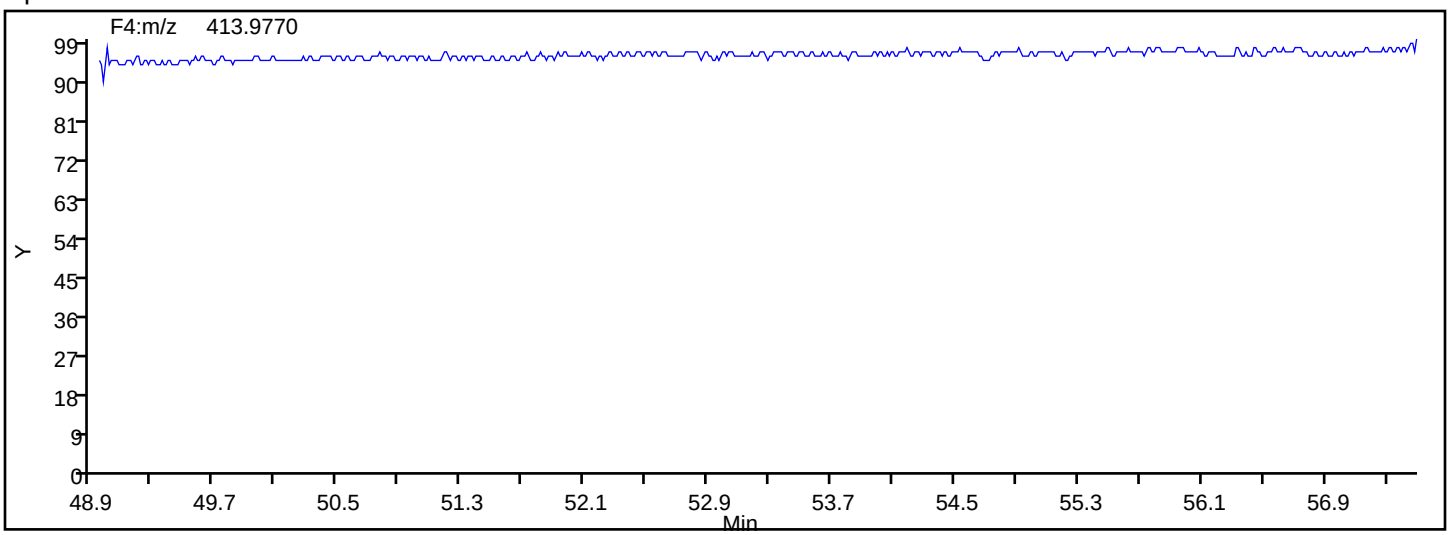
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



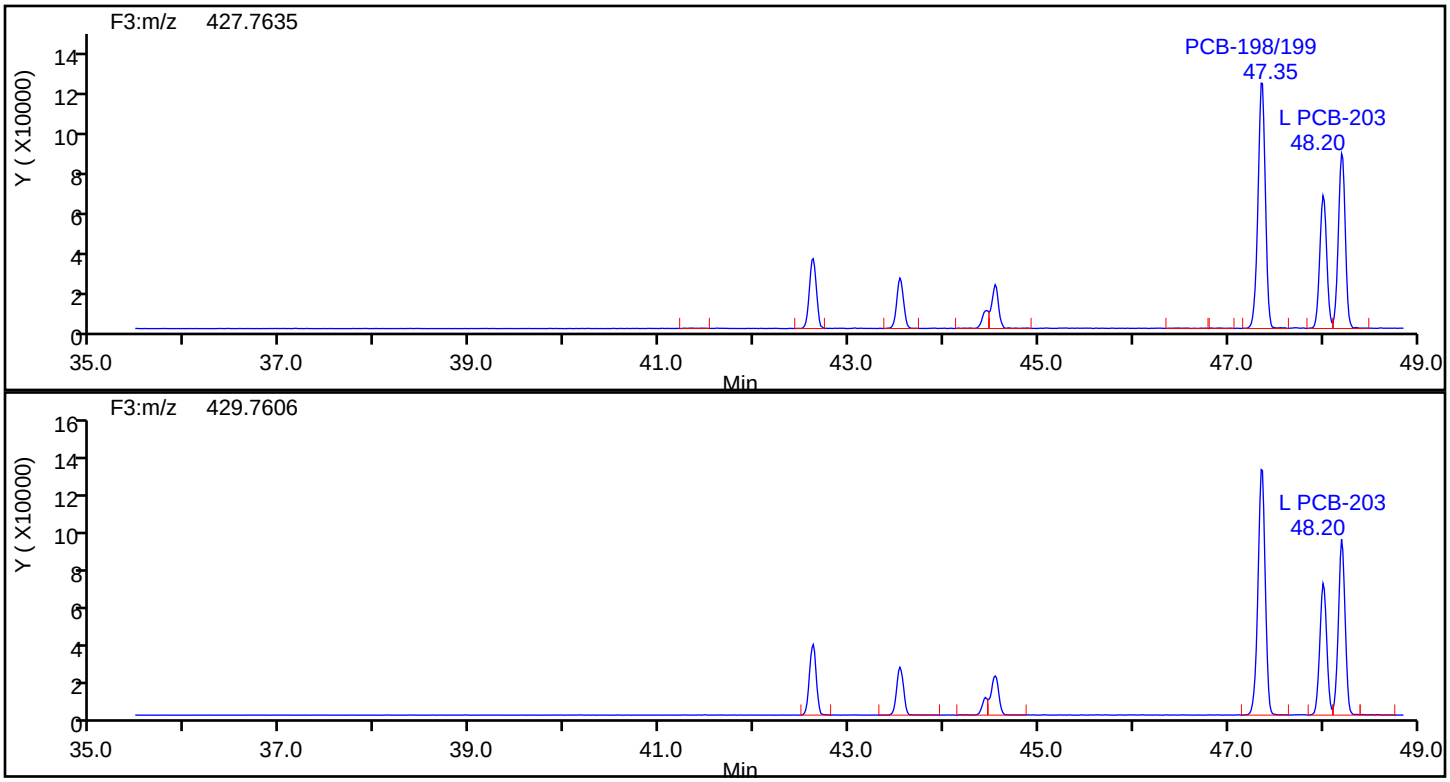

HpPCB F4 Lock Mass



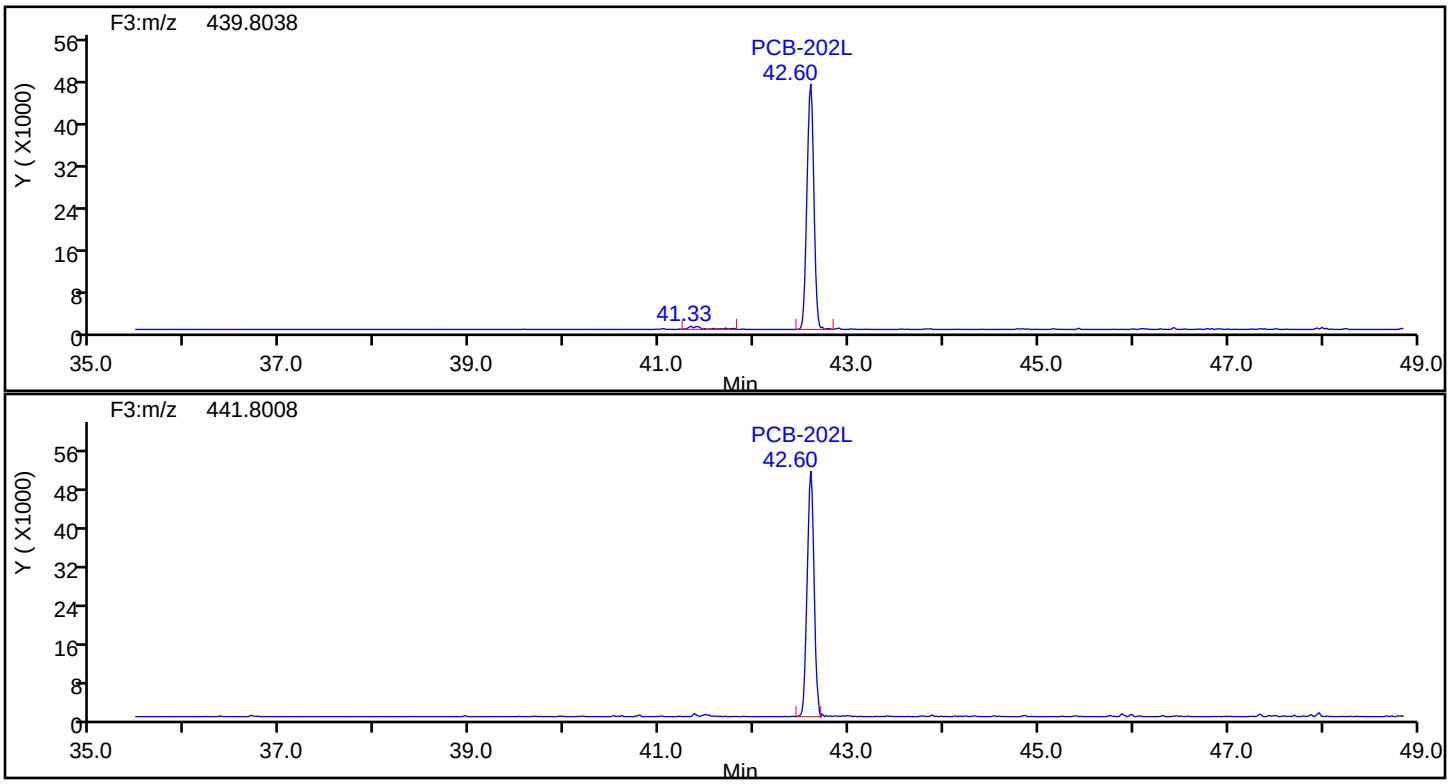
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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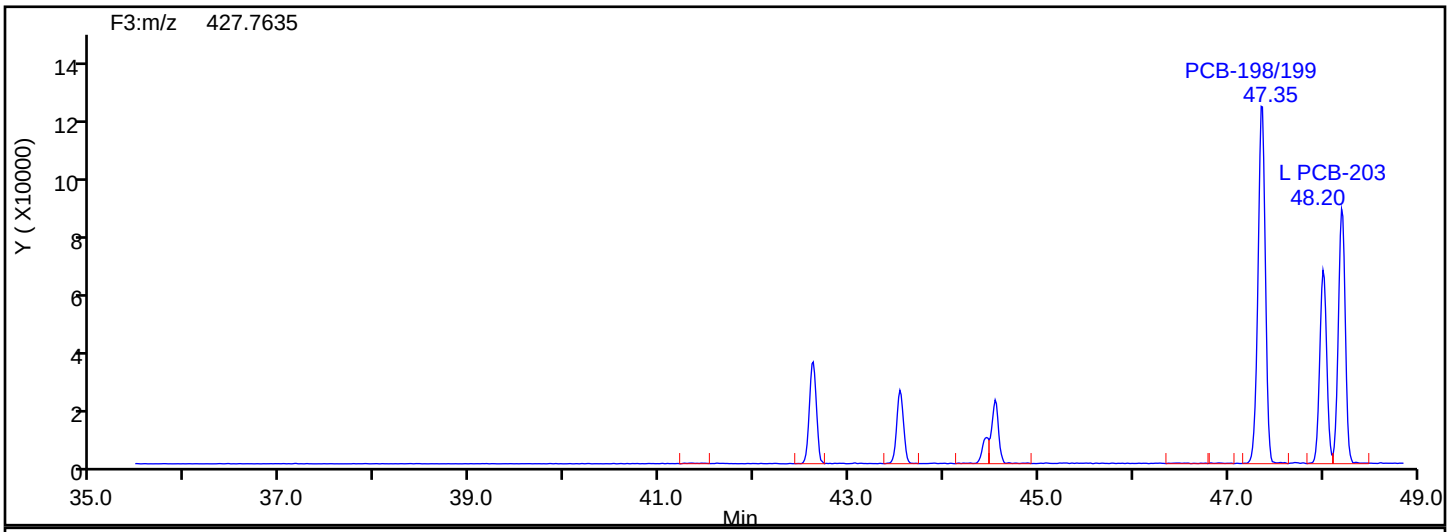
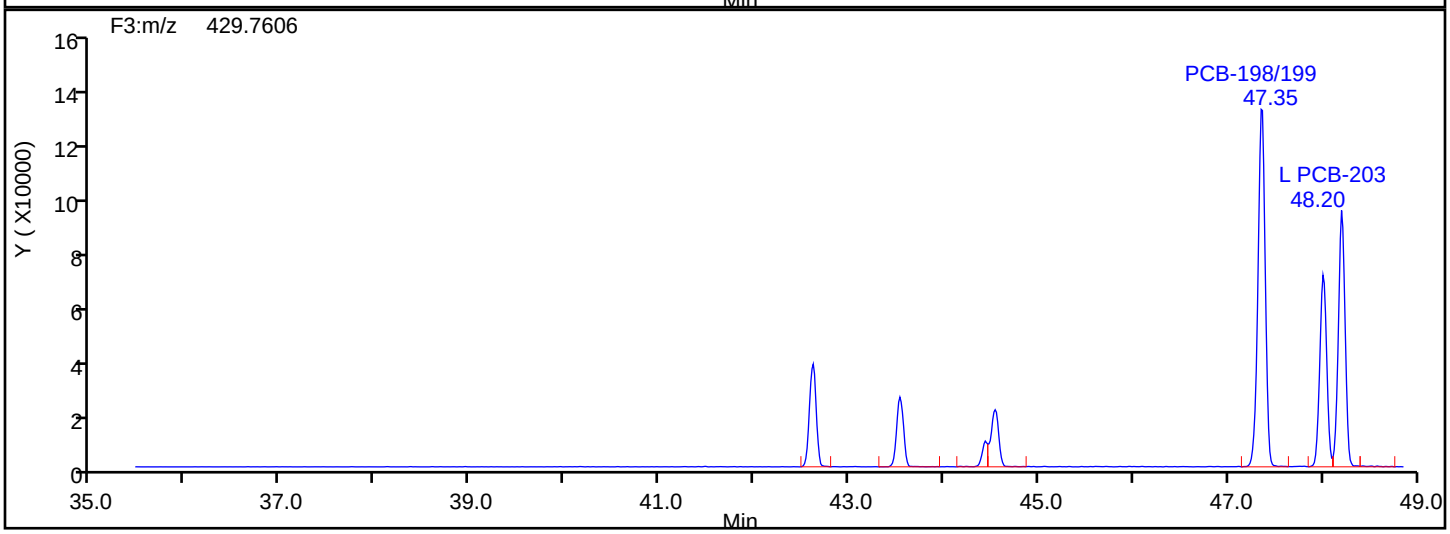
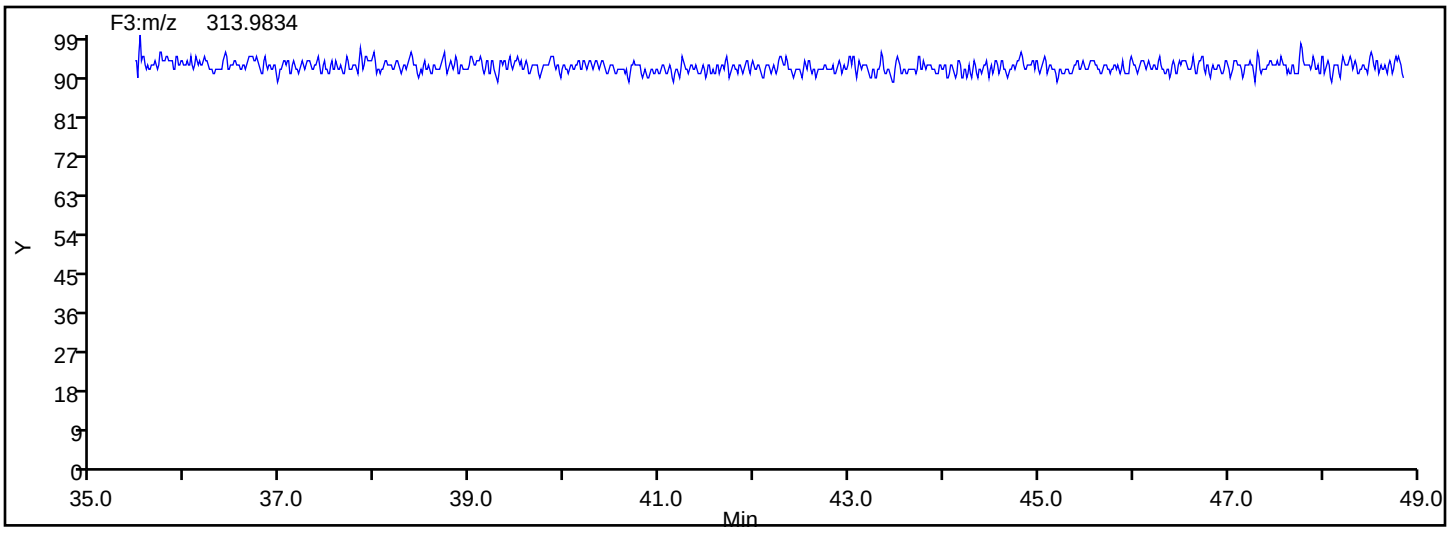
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass

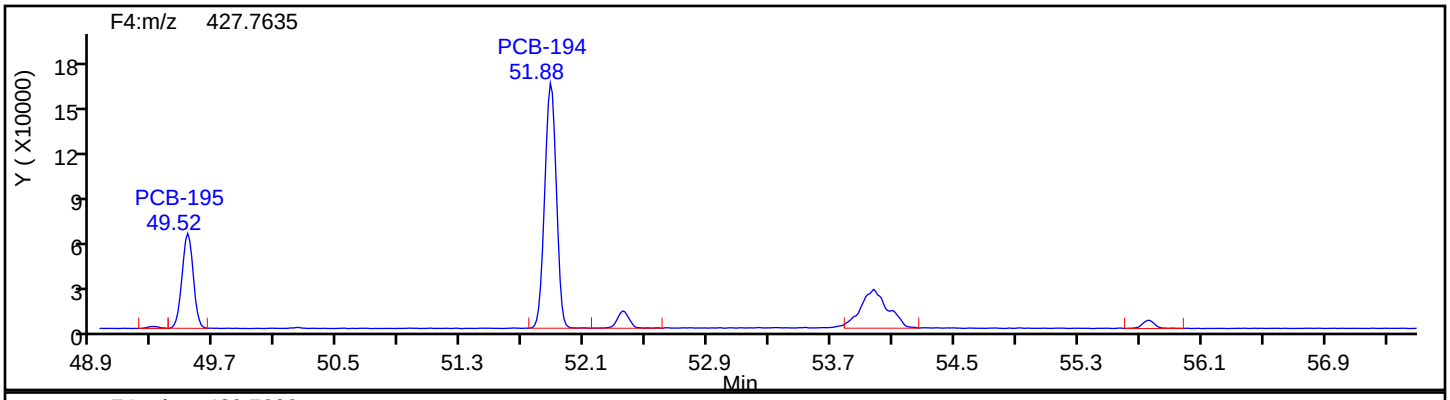


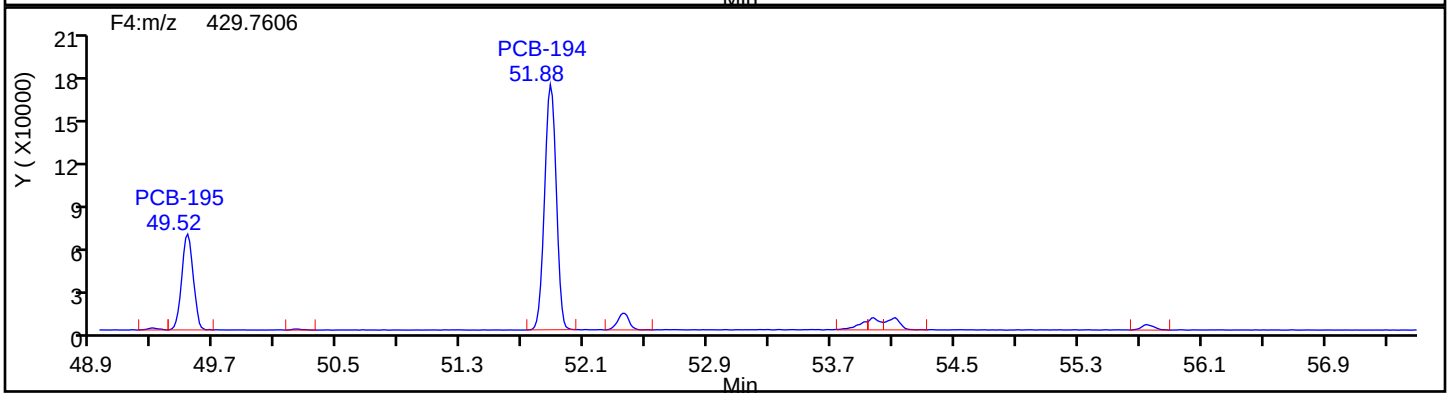
Report Date: 04-Oct-2019 01:31:11 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

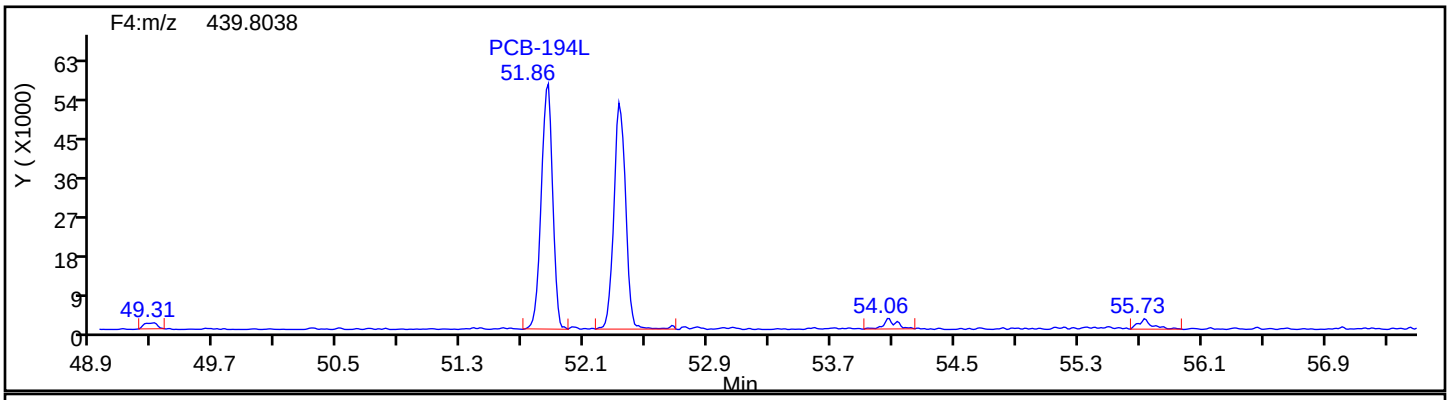
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

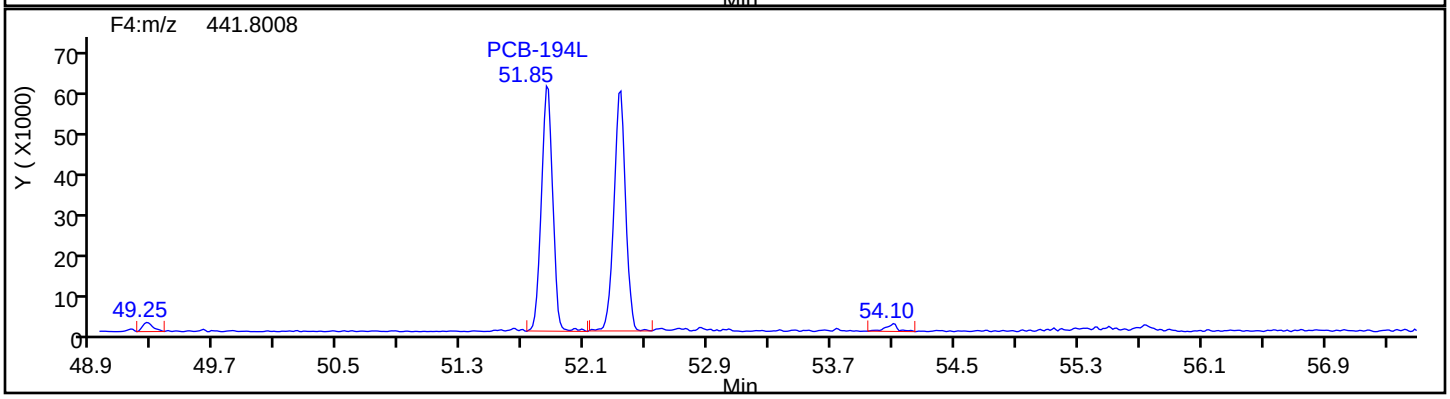
OcPCB F4




OcPCB F4 Standards

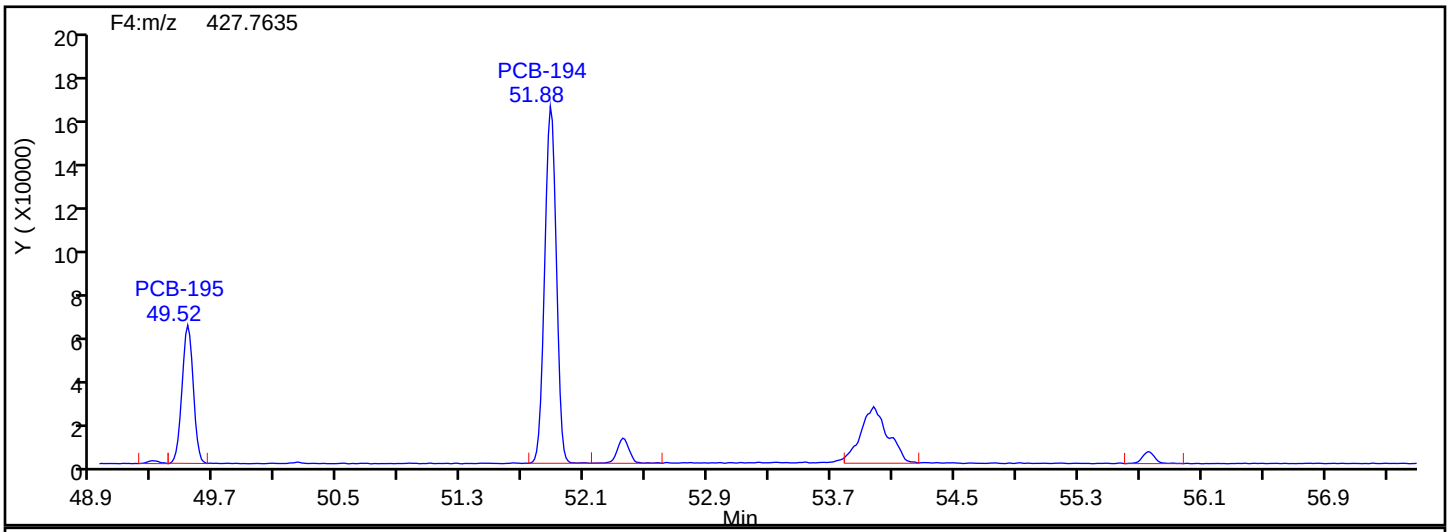


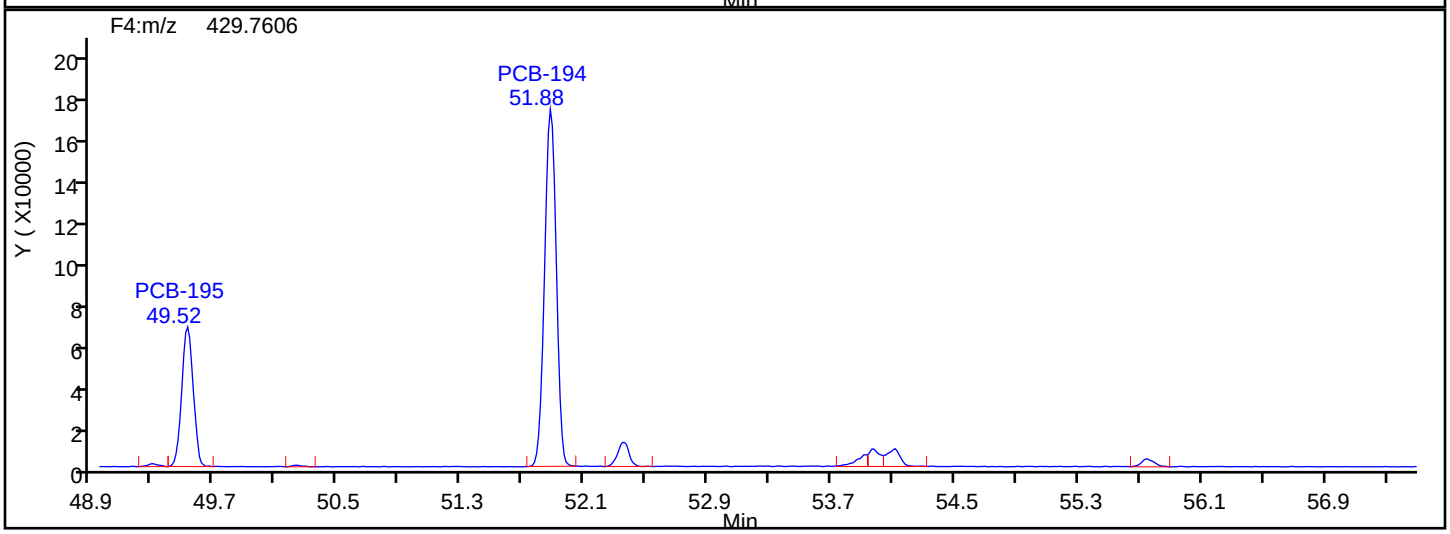



Eurofins TestAmerica, Knoxville

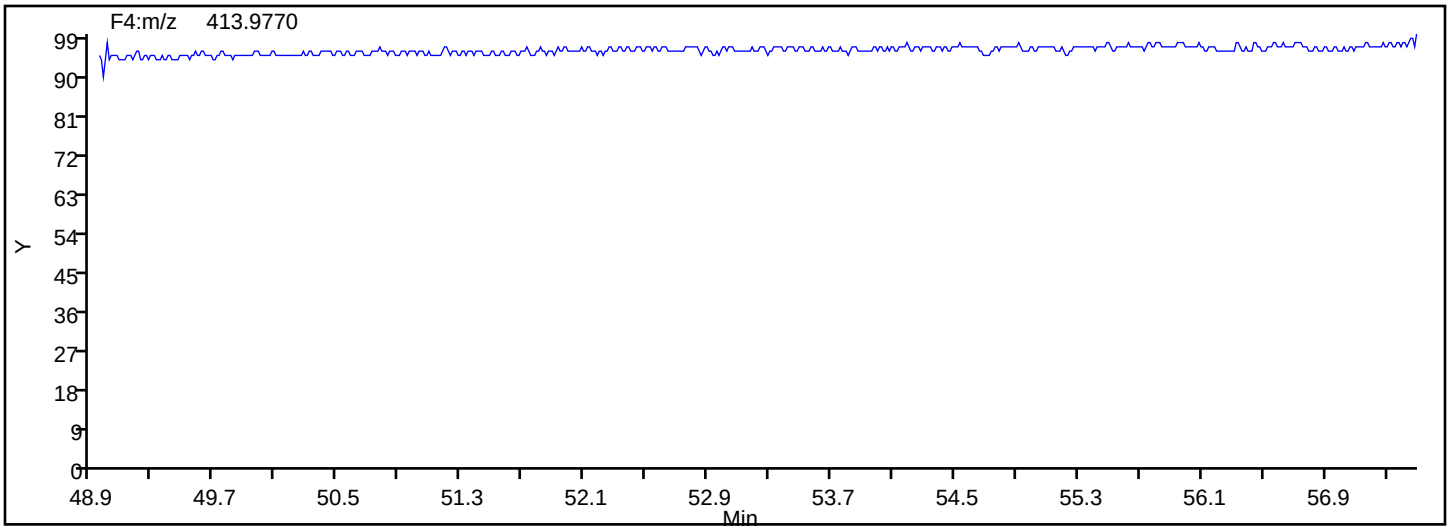
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass

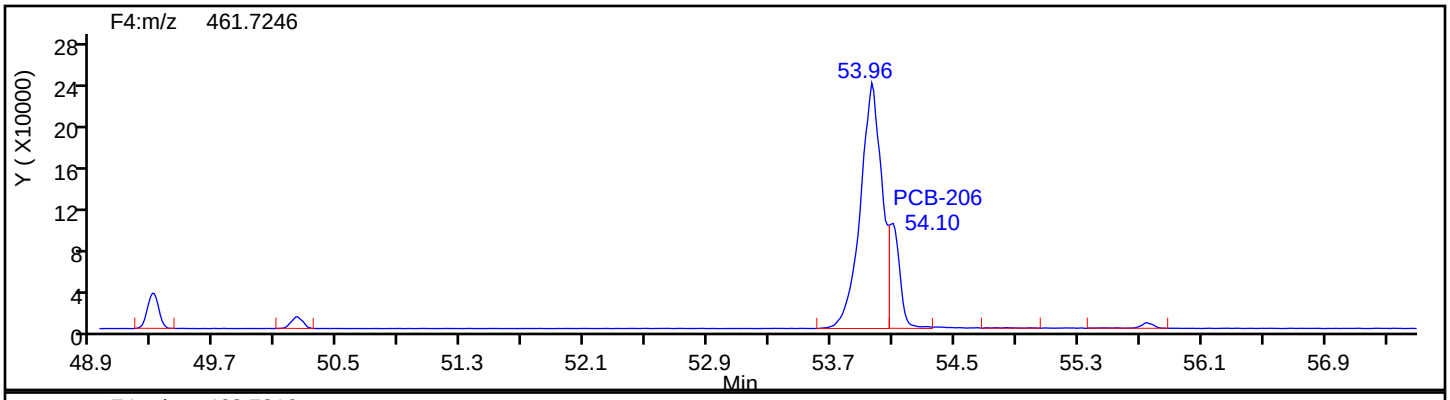


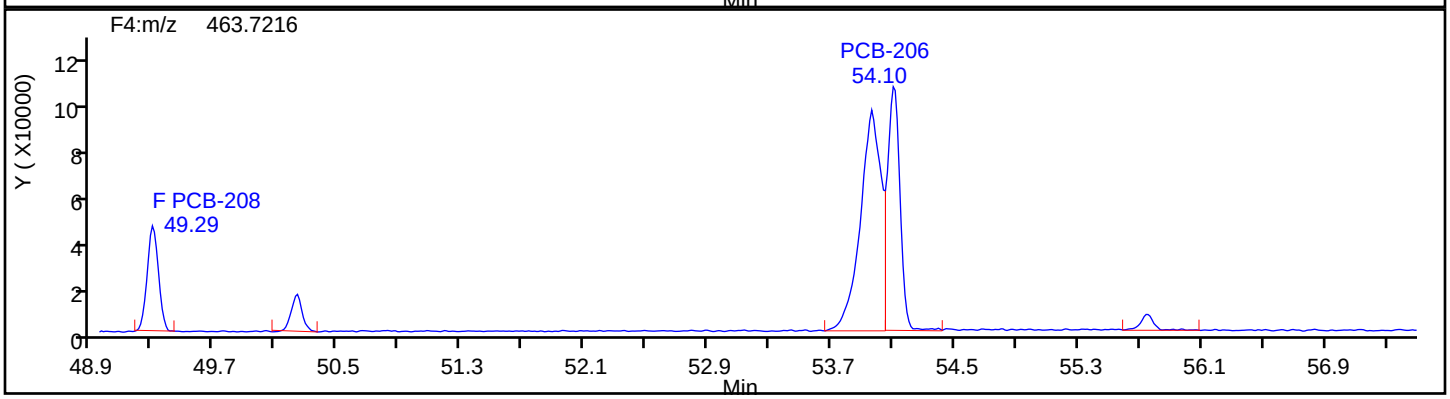
Report Date: 04-Oct-2019 01:31:11 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

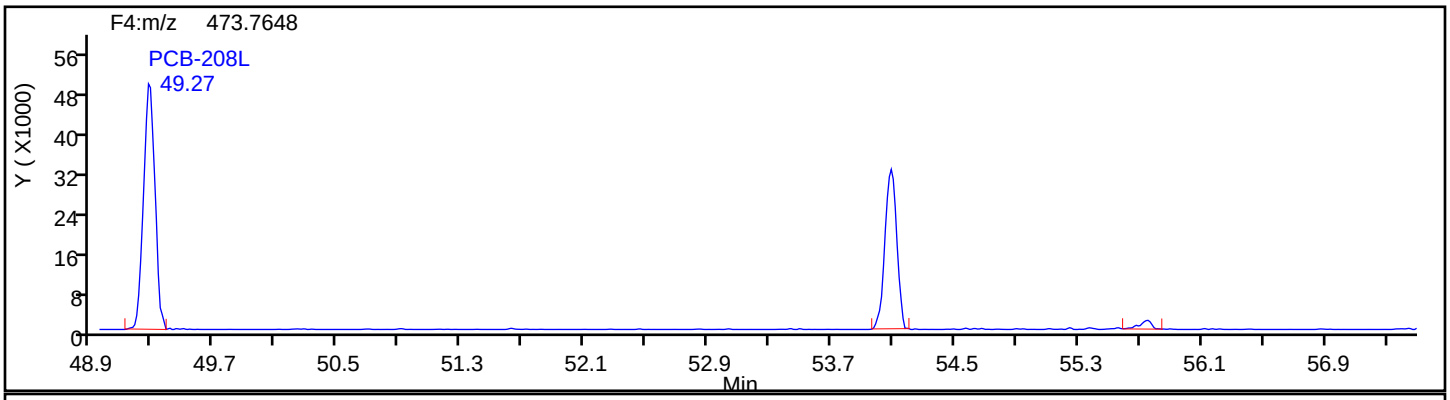
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

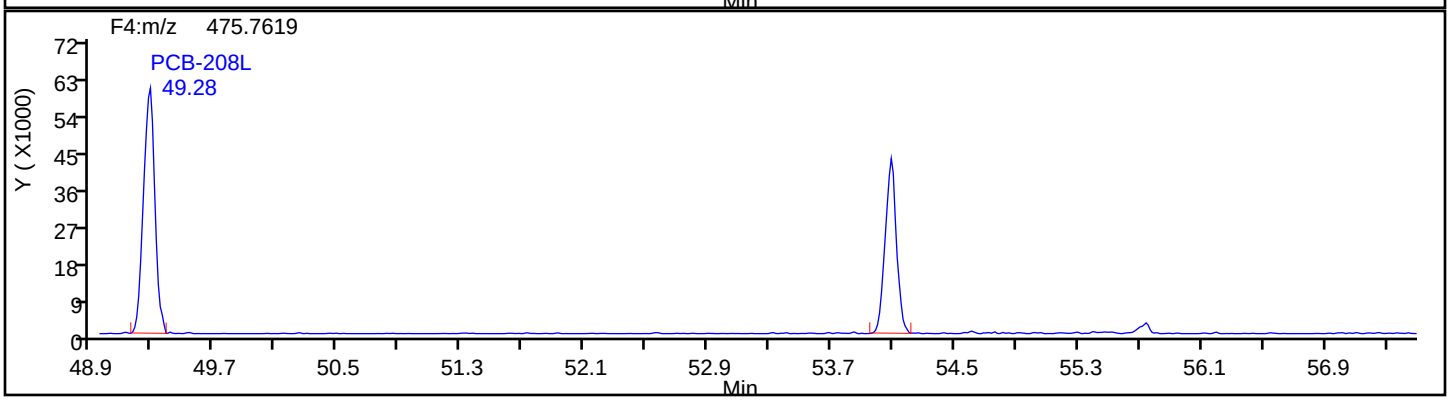
NoPCB F4




NoPCB F4 Standards

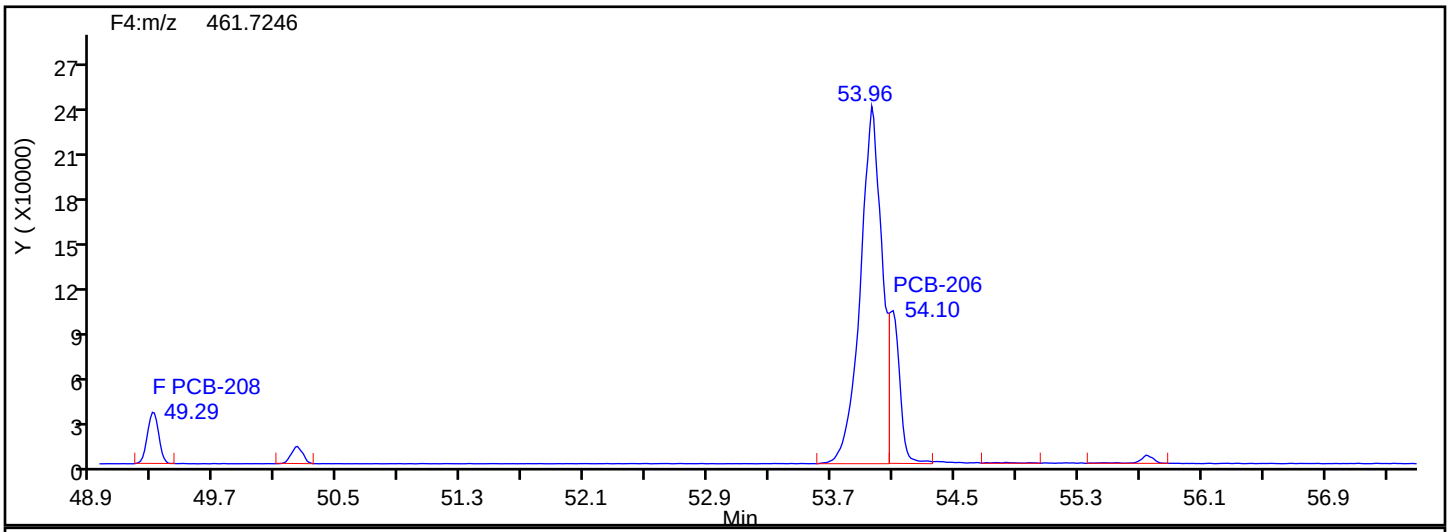


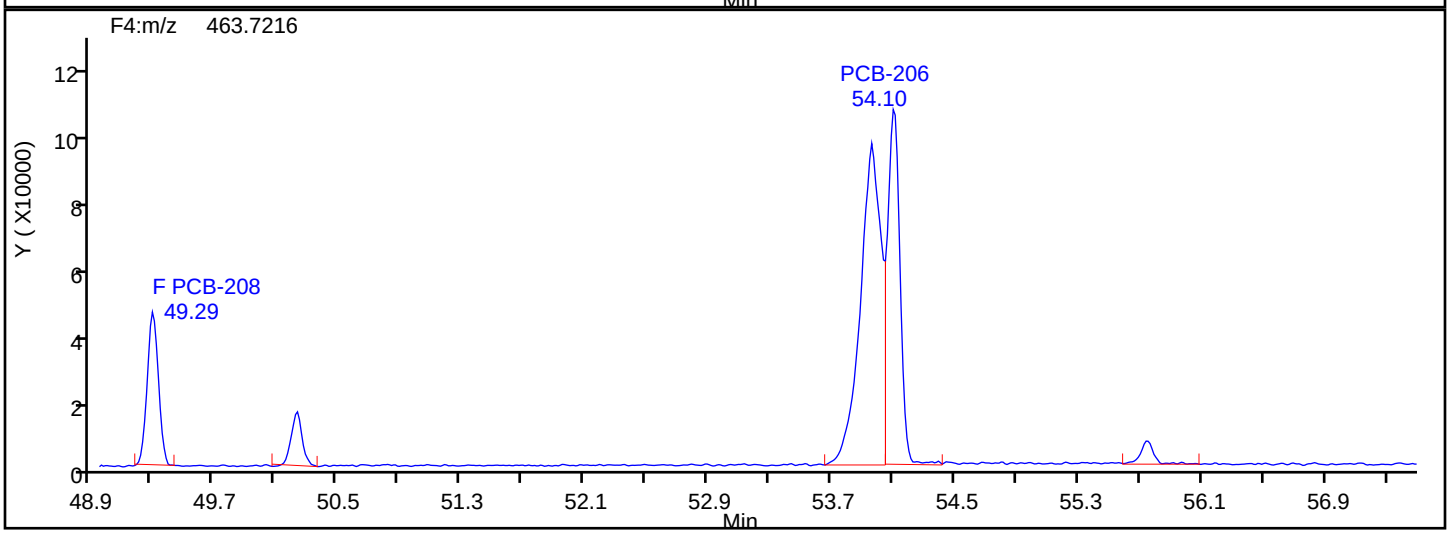



Eurofins TestAmerica, Knoxville

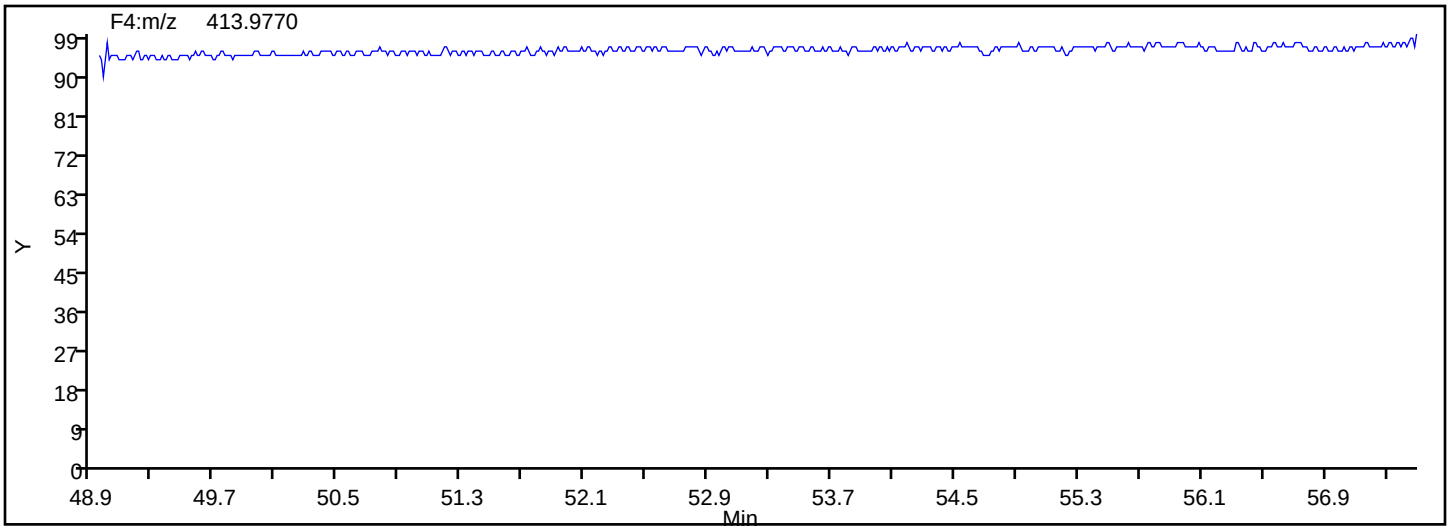
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



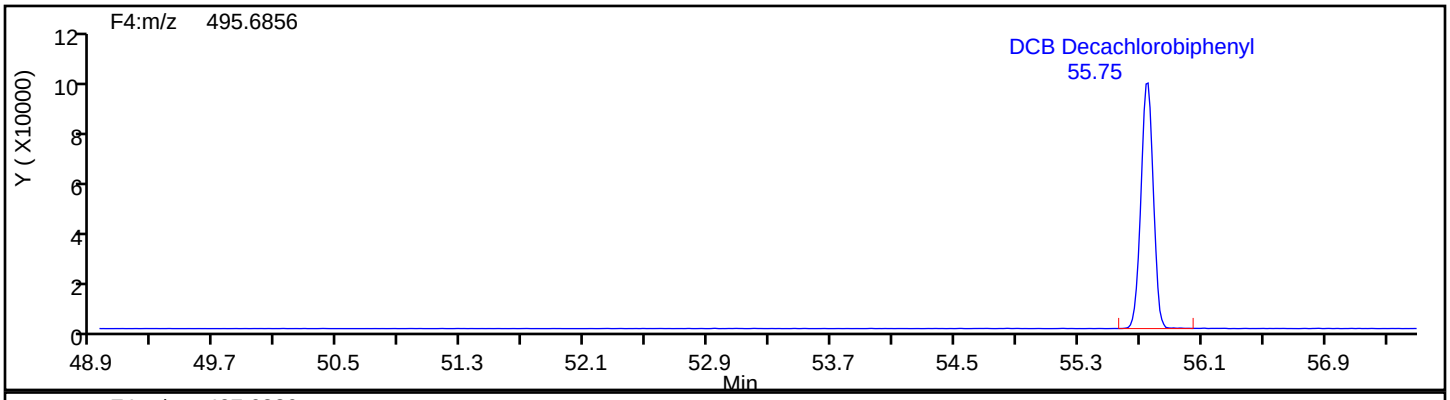

NoPCB F4 Lock Mass

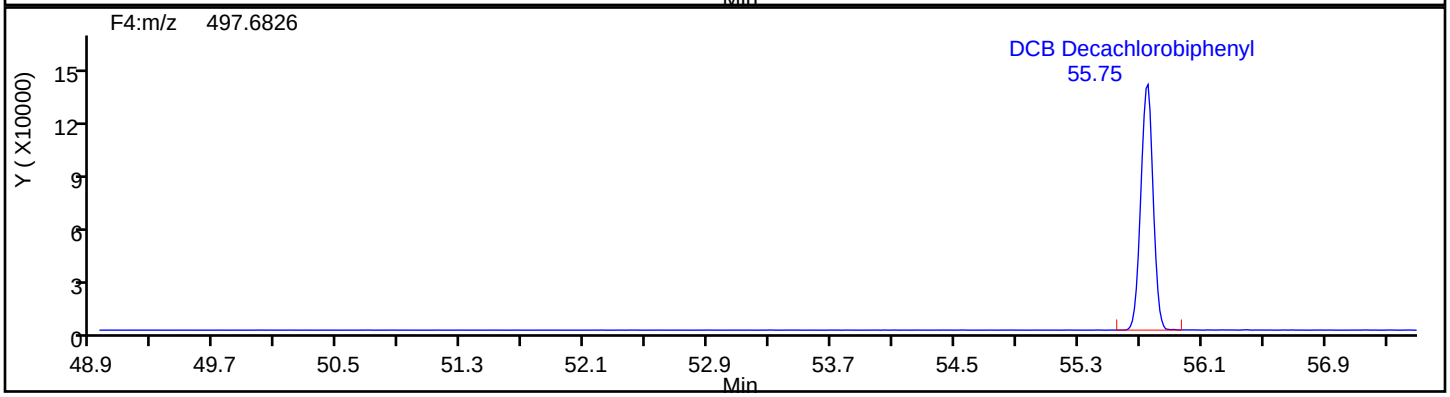


Eurofins TestAmerica, Knoxville

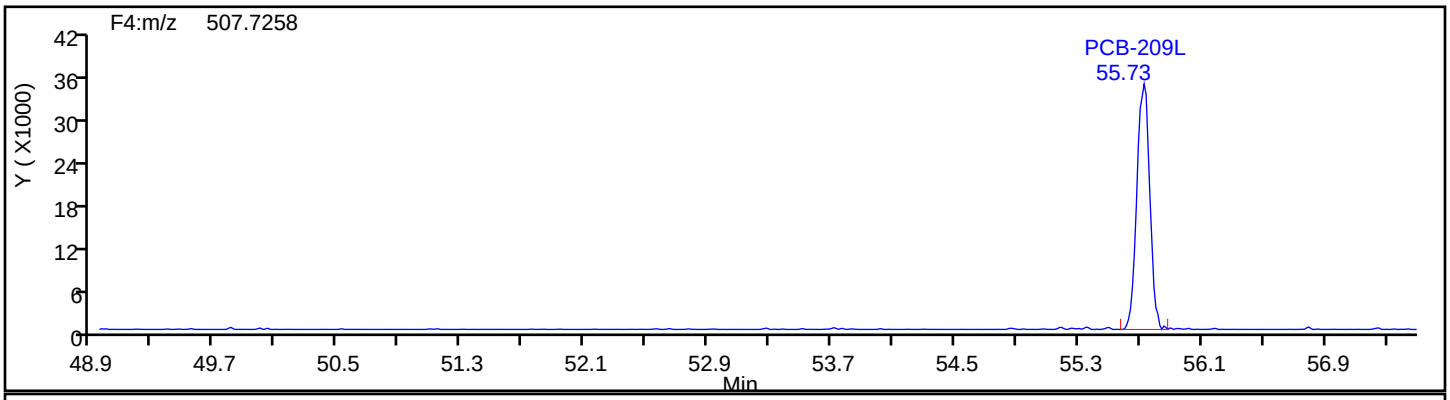
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

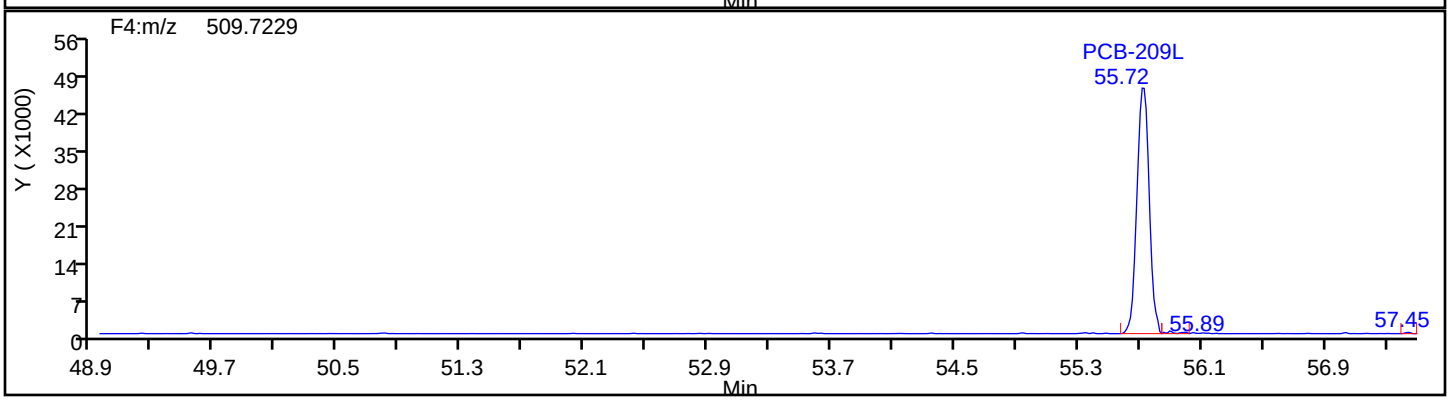
DePCB F4




DePCB F4 Standards

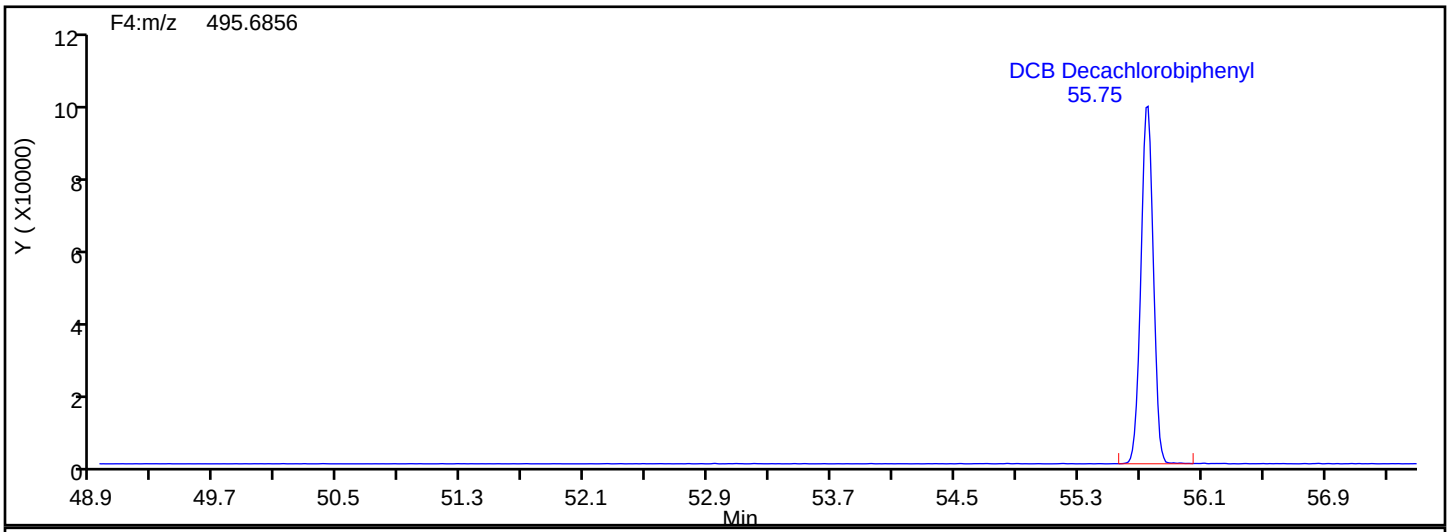


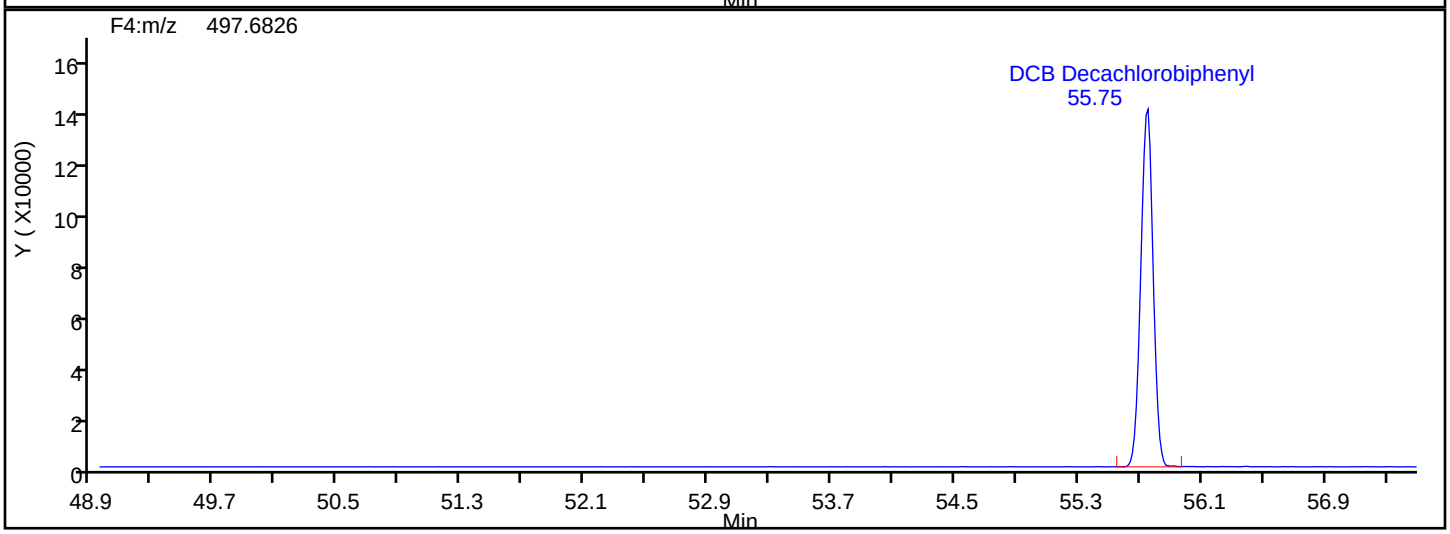



Eurofins TestAmerica, Knoxville

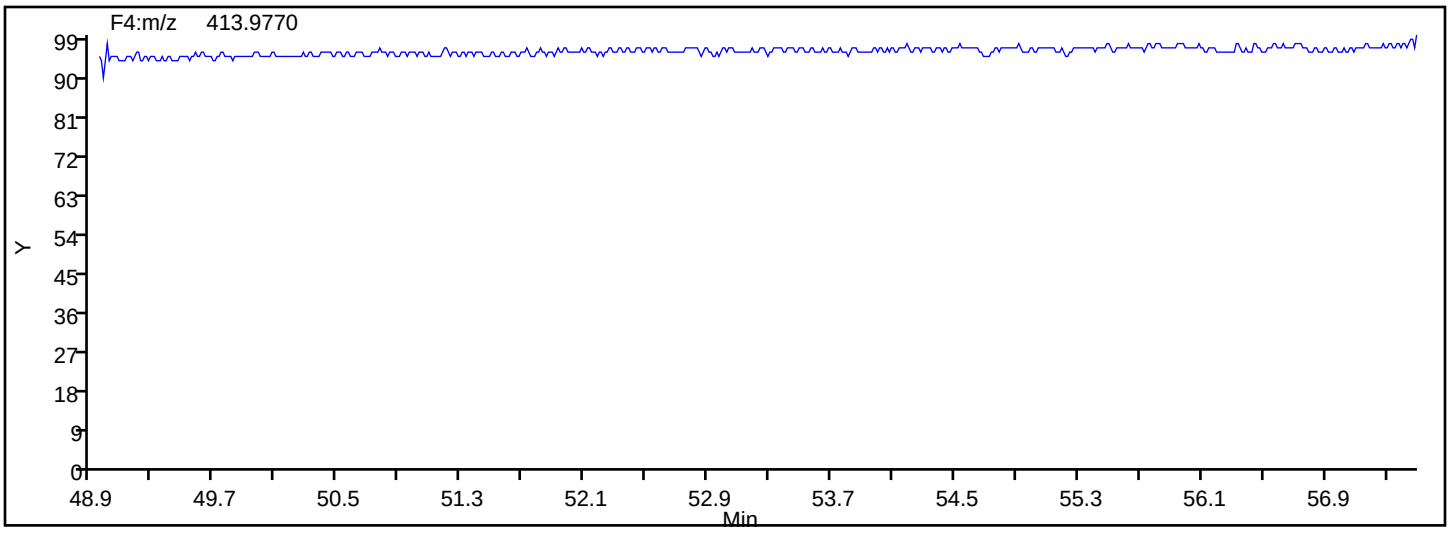
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-31-c.d | | |
| Injection Date: | 03-Oct-2019 19:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-70to80-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | ND | | 0.0096 | 0.00014 |
| 2051-61-8 | PCB-2 | 0.00083 | J | 0.0096 | 0.00014 |
| 2051-62-9 | PCB-3 | 0.00092 | J | 0.0096 | 0.00015 |
| 13029-08-8 | PCB-4 | 0.0016 | J | 0.019 | 0.00029 |
| 16605-91-7 | PCB-5 | ND | | 0.0096 | 0.00019 |
| 25569-80-6 | PCB-6 | 0.0017 | J | 0.0096 | 0.00019 |
| 33284-50-3 | PCB-7 | ND | | 0.0096 | 0.00018 |
| 34883-43-7 | PCB-8 | 0.0024 | J q | 0.019 | 0.00019 |
| 34883-39-1 | PCB-9 | 0.00062 | J q | 0.0096 | 0.00021 |
| 33146-45-1 | PCB-10 | ND | | 0.0096 | 0.00020 |
| 2050-67-1 | PCB-11 | 0.0047 | J B | 0.019 | 0.00018 |
| 2974-92-7 | PCB-12 | ND | C | 0.019 | 0.00018 |
| 2974-90-5 | PCB-13 | ND | C12 | 0.019 | 0.00018 |
| 34883-41-5 | PCB-14 | ND | | 0.0096 | 0.00016 |
| 2050-68-2 | PCB-15 | 0.0015 | J | 0.0096 | 0.00018 |
| 38444-78-9 | PCB-16 | 0.0035 | J | 0.0096 | 0.00036 |
| 37680-66-3 | PCB-17 | 0.0040 | J B | 0.0096 | 0.00028 |
| 37680-65-2 | PCB-18 | 0.0058 | J C B | 0.019 | 0.00024 |
| 38444-73-4 | PCB-19 | 0.0011 | J q | 0.0096 | 0.00034 |
| 38444-84-7 | PCB-20 | 0.011 | J C B | 0.019 | 0.00026 |
| 55702-46-0 | PCB-21 | 0.0049 | J C B | 0.019 | 0.00024 |
| 38444-85-8 | PCB-22 | 0.0021 | J B | 0.0096 | 0.00027 |
| 55720-44-0 | PCB-23 | ND | | 0.0096 | 0.00026 |
| 55702-45-9 | PCB-24 | ND | | 0.0096 | 0.00021 |
| 55712-37-3 | PCB-25 | 0.0023 | J | 0.0096 | 0.00025 |
| 38444-81-4 | PCB-26 | 0.0036 | J C B | 0.019 | 0.00025 |
| 38444-76-7 | PCB-27 | ND | | 0.0096 | 0.00020 |
| 7012-37-5 | PCB-28 | 0.011 | J B C20 | 0.019 | 0.00026 |
| 15862-07-4 | PCB-29 | 0.0036 | J C26 B | 0.019 | 0.00025 |
| 35693-92-6 | PCB-30 | 0.0058 | J C18 B | 0.019 | 0.00024 |
| 16606-02-3 | PCB-31 | 0.0077 | J B | 0.019 | 0.00024 |
| 38444-77-8 | PCB-32 | 0.0024 | J q | 0.0096 | 0.00019 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38444-86-9 | PCB-33 | 0.0049 | J B C21 | 0.019 | 0.00024 |
| 37680-68-5 | PCB-34 | ND | | 0.0096 | 0.00028 |
| 37680-69-6 | PCB-35 | 0.00030 | J q | 0.0096 | 0.00028 |
| 38444-87-0 | PCB-36 | ND | | 0.0096 | 0.00025 |
| 38444-90-5 | PCB-37 | 0.0020 | J B | 0.0096 | 0.00026 |
| 53555-66-1 | PCB-38 | ND | | 0.0096 | 0.00025 |
| 38444-88-1 | PCB-39 | 0.00042 | J q | 0.0096 | 0.00024 |
| 38444-93-8 | PCB-40 | 0.012 | J C | 0.029 | 0.00054 |
| 52663-59-9 | PCB-41 | 0.012 | J C40 | 0.029 | 0.00054 |
| 36559-22-5 | PCB-42 | 0.0087 | J | 0.0096 | 0.00057 |
| 70362-46-8 | PCB-43 | ND | C | 0.019 | 0.00049 |
| 41464-39-5 | PCB-44 | 0.044 | C B | 0.029 | 0.00048 |
| 70362-45-7 | PCB-45 | ND | C | 0.019 | 0.00056 |
| 41464-47-5 | PCB-46 | ND | | 0.0096 | 0.00065 |
| 2437-79-8 | PCB-47 | 0.044 | B C44 | 0.029 | 0.00048 |
| 70362-47-9 | PCB-48 | 0.0025 | J | 0.0096 | 0.00052 |
| 41464-40-8 | PCB-49 | 0.045 | C B | 0.019 | 0.00043 |
| 62796-65-0 | PCB-50 | 0.0029 | J C q | 0.019 | 0.00053 |
| 68194-04-7 | PCB-51 | ND | C45 | 0.019 | 0.00056 |
| 35693-99-3 | PCB-52 | 0.072 | B | 0.0096 | 0.00055 |
| 41464-41-9 | PCB-53 | 0.0029 | J C50 q | 0.019 | 0.00053 |
| 15968-05-5 | PCB-54 | 0.00056 | J q | 0.0096 | 0.00012 |
| 74338-24-2 | PCB-55 | ND | | 0.0096 | 0.00038 |
| 41464-43-1 | PCB-56 | 0.0086 | J | 0.0096 | 0.00039 |
| 70424-67-8 | PCB-57 | ND | | 0.0096 | 0.00038 |
| 41464-49-7 | PCB-58 | 0.00069 | J | 0.0096 | 0.00037 |
| 74472-33-6 | PCB-59 | 0.0019 | J C | 0.029 | 0.00036 |
| 33025-41-1 | PCB-60 | ND | | 0.0096 | 0.00037 |
| 33284-53-6 | PCB-61 | 0.053 | C B | 0.038 | 0.00036 |
| 54230-22-7 | PCB-62 | 0.0019 | J C59 | 0.029 | 0.00036 |
| 74472-34-7 | PCB-63 | 0.00089 | J | 0.0096 | 0.00034 |
| 52663-58-8 | PCB-64 | 0.0069 | J q | 0.0096 | 0.00035 |
| 33284-54-7 | PCB-65 | 0.044 | B C44 | 0.029 | 0.00048 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 32598-10-0 | PCB-66 | 0.033 | B | 0.0096 | 0.00039 |
| 73575-53-8 | PCB-67 | ND | | 0.0096 | 0.00035 |
| 73575-52-7 | PCB-68 | 0.0040 | J B | 0.0096 | 0.00033 |
| 60233-24-1 | PCB-69 | 0.045 | B C49 | 0.019 | 0.00043 |
| 32598-11-1 | PCB-70 | 0.053 | C61 B | 0.038 | 0.00036 |
| 41464-46-4 | PCB-71 | 0.012 | J C40 | 0.029 | 0.00054 |
| 41464-42-0 | PCB-72 | 0.0038 | J q | 0.0096 | 0.00037 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.019 | 0.00049 |
| 32690-93-0 | PCB-74 | 0.053 | C61 B | 0.038 | 0.00036 |
| 32598-12-2 | PCB-75 | 0.0019 | J C59 | 0.029 | 0.00036 |
| 70362-48-0 | PCB-76 | 0.053 | C61 B | 0.038 | 0.00036 |
| 32598-13-3 | PCB-77 | 0.0013 | J q | 0.0096 | 0.00036 |
| 70362-49-1 | PCB-78 | ND | | 0.0096 | 0.00038 |
| 41464-48-6 | PCB-79 | 0.0020 | J | 0.0096 | 0.00032 |
| 33284-52-5 | PCB-80 | ND | | 0.0096 | 0.00034 |
| 70362-50-4 | PCB-81 | ND | | 0.0096 | 0.00039 |
| 52663-62-4 | PCB-82 | 0.0089 | J B q | 0.0096 | 0.00055 |
| 60145-20-2 | PCB-83 | 0.11 | C B | 0.019 | 0.00051 |
| 52663-60-2 | PCB-84 | 0.025 | B | 0.0096 | 0.00056 |
| 65510-45-4 | PCB-85 | 0.012 | J C | 0.029 | 0.00040 |
| 55312-69-1 | PCB-86 | 0.055 | J C B | 0.057 | 0.00040 |
| 38380-02-8 | PCB-87 | 0.055 | J B C86 | 0.057 | 0.00040 |
| 55215-17-3 | PCB-88 | 0.029 | C B | 0.019 | 0.00048 |
| 73575-57-2 | PCB-89 | ND | | 0.0096 | 0.00054 |
| 68194-07-0 | PCB-90 | 0.15 | C B | 0.029 | 0.00042 |
| 68194-05-8 | PCB-91 | 0.029 | C88 B | 0.019 | 0.00048 |
| 52663-61-3 | PCB-92 | 0.041 | B | 0.0096 | 0.00050 |
| 73575-56-1 | PCB-93 | 0.0051 | J C | 0.019 | 0.00049 |
| 73575-55-0 | PCB-94 | ND | | 0.0096 | 0.00053 |
| 38379-99-6 | PCB-95 | 0.11 | B | 0.0096 | 0.00050 |
| 73575-54-9 | PCB-96 | 0.00075 | J q | 0.0096 | 0.00039 |
| 41464-51-1 | PCB-97 | 0.055 | J B C86 | 0.057 | 0.00040 |
| 60233-25-2 | PCB-98 | 0.0053 | J C | 0.019 | 0.00049 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38380-01-7 | PCB-99 | 0.11 | C83 B | 0.019 | 0.00051 |
| 39485-83-1 | PCB-100 | 0.0051 | J C93 | 0.019 | 0.00049 |
| 37680-73-2 | PCB-101 | 0.15 | B C90 | 0.029 | 0.00042 |
| 68194-06-9 | PCB-102 | 0.0053 | J C98 | 0.019 | 0.00049 |
| 60145-21-3 | PCB-103 | 0.0078 | J | 0.0096 | 0.00046 |
| 56558-16-8 | PCB-104 | ND | | 0.0096 | 0.00034 |
| 32598-14-4 | PCB-105 | 0.017 | B | 0.0096 | 0.00061 |
| 70424-69-0 | PCB-106 | ND | | 0.0096 | 0.00060 |
| 70424-68-9 | PCB-107 | 0.010 | B | 0.0096 | 0.00057 |
| 70362-41-3 | PCB-108 | 0.0020 | J C q | 0.019 | 0.00061 |
| 74472-35-8 | PCB-109 | 0.055 | J B C86 | 0.057 | 0.00040 |
| 38380-03-9 | PCB-110 | 0.12 | C B | 0.019 | 0.00036 |
| 39635-32-0 | PCB-111 | ND | | 0.0096 | 0.00034 |
| 74472-36-9 | PCB-112 | ND | | 0.0096 | 0.00035 |
| 68194-10-5 | PCB-113 | 0.15 | B C90 | 0.029 | 0.00042 |
| 74472-37-0 | PCB-114 | 0.0011 | J q | 0.0096 | 0.00056 |
| 74472-38-1 | PCB-115 | 0.12 | B C110 | 0.019 | 0.00036 |
| 18259-05-7 | PCB-116 | 0.012 | J C85 | 0.029 | 0.00040 |
| 68194-11-6 | PCB-117 | 0.012 | J C85 | 0.029 | 0.00040 |
| 31508-00-6 | PCB-118 | 0.067 | B | 0.0096 | 0.00058 |
| 56558-17-9 | PCB-119 | 0.055 | J B C86 | 0.057 | 0.00040 |
| 68194-12-7 | PCB-120 | 0.0039 | J | 0.0096 | 0.00032 |
| 56558-18-0 | PCB-121 | ND | | 0.0096 | 0.00034 |
| 76842-07-4 | PCB-122 | ND | | 0.0096 | 0.00066 |
| 65510-44-3 | PCB-123 | 0.0013 | J | 0.0096 | 0.00053 |
| 70424-70-3 | PCB-124 | 0.0020 | J q C108 | 0.019 | 0.00061 |
| 74472-39-2 | PCB-125 | 0.055 | J B C86 | 0.057 | 0.00040 |
| 57465-28-8 | PCB-126 | ND | | 0.0096 | 0.00061 |
| 39635-33-1 | PCB-127 | ND | | 0.0096 | 0.00060 |
| 38380-07-3 | PCB-128 | 0.019 | C B | 0.019 | 0.00067 |
| 55215-18-4 | PCB-129 | 0.14 | C B | 0.038 | 0.00069 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-66-8 | PCB-130 | 0.012 | B | 0.0096 | 0.00091 |
| 61798-70-7 | PCB-131 | 0.0023 | J | 0.0096 | 0.00088 |
| 38380-05-1 | PCB-132 | 0.048 | B | 0.0096 | 0.00085 |
| 35694-04-3 | PCB-133 | 0.0092 | J | 0.0096 | 0.00083 |
| 52704-70-8 | PCB-134 | 0.0082 | J C q | 0.019 | 0.00088 |
| 52744-13-5 | PCB-135 | 0.085 | C B | 0.019 | 0.00061 |
| 38411-22-2 | PCB-136 | 0.033 | B | 0.0096 | 0.00046 |
| 35694-06-5 | PCB-137 | 0.0038 | J | 0.0096 | 0.00071 |
| 35065-28-2 | PCB-138 | 0.14 | B C129 | 0.038 | 0.00069 |
| 56030-56-9 | PCB-139 | 0.0046 | J C q | 0.019 | 0.00075 |
| 59291-64-4 | PCB-140 | 0.0046 | J C139 q | 0.019 | 0.00075 |
| 52712-04-6 | PCB-141 | 0.024 | B | 0.0096 | 0.00078 |
| 41411-61-4 | PCB-142 | ND | | 0.0096 | 0.00088 |
| 68194-15-0 | PCB-143 | 0.0082 | J C134 q | 0.019 | 0.00088 |
| 68194-14-9 | PCB-144 | 0.0080 | J | 0.0096 | 0.00057 |
| 74472-40-5 | PCB-145 | ND | | 0.0096 | 0.00044 |
| 51908-16-8 | PCB-146 | 0.060 | B | 0.0096 | 0.00075 |
| 68194-13-8 | PCB-147 | 0.18 | C B | 0.019 | 0.00077 |
| 74472-41-6 | PCB-148 | 0.0040 | J | 0.0096 | 0.00059 |
| 38380-04-0 | PCB-149 | 0.18 | B C147 | 0.019 | 0.00077 |
| 68194-08-1 | PCB-150 | 0.0034 | J | 0.0096 | 0.00043 |
| 52663-63-5 | PCB-151 | 0.085 | C135 B | 0.019 | 0.00061 |
| 68194-09-2 | PCB-152 | ND | | 0.0096 | 0.00042 |
| 35065-27-1 | PCB-153 | 0.17 | C B | 0.019 | 0.00062 |
| 60145-22-4 | PCB-154 | 0.017 | | 0.0096 | 0.00052 |
| 33979-03-2 | PCB-155 | ND | | 0.0096 | 0.00040 |
| 38380-08-4 | PCB-156 | 0.011 | J C B | 0.019 | 0.00072 |
| 69782-90-7 | PCB-157 | 0.011 | J C156 B | 0.019 | 0.00072 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74472-42-7 | PCB-158 | 0.012 | B | 0.0096 | 0.00054 |
| 39635-35-3 | PCB-159 | 0.0018 | J q | 0.0096 | 0.00057 |
| 41411-62-5 | PCB-160 | 0.14 | B C129 | 0.038 | 0.00069 |
| 74472-43-8 | PCB-161 | ND | | 0.0096 | 0.00056 |
| 39635-34-2 | PCB-162 | ND | | 0.0096 | 0.00055 |
| 74472-44-9 | PCB-163 | 0.14 | B C129 | 0.038 | 0.00069 |
| 74472-45-0 | PCB-164 | 0.013 | B | 0.0096 | 0.00060 |
| 74472-46-1 | PCB-165 | ND | | 0.0096 | 0.00067 |
| 41411-63-6 | PCB-166 | 0.019 | C128 B | 0.019 | 0.00067 |
| 52663-72-6 | PCB-167 | 0.0038 | J B | 0.0096 | 0.00046 |
| 59291-65-5 | PCB-168 | 0.17 | B C153 | 0.019 | 0.00062 |
| 32774-16-6 | PCB-169 | ND | | 0.0096 | 0.00051 |
| 35065-30-6 | PCB-170 | 0.049 | B | 0.0096 | 0.00059 |
| 52663-71-5 | PCB-171 | 0.017 | J C B | 0.019 | 0.00059 |
| 52663-74-8 | PCB-172 | 0.011 | B | 0.0096 | 0.00057 |
| 68194-16-1 | PCB-173 | 0.017 | J C171 B | 0.019 | 0.00059 |
| 38411-25-5 | PCB-174 | 0.057 | B | 0.0096 | 0.00060 |
| 40186-70-7 | PCB-175 | 0.0041 | J | 0.0096 | 0.00053 |
| 52663-65-7 | PCB-176 | 0.0074 | J B | 0.0096 | 0.00037 |
| 52663-70-4 | PCB-177 | 0.040 | B | 0.0096 | 0.00060 |
| 52663-67-9 | PCB-178 | 0.017 | B | 0.0096 | 0.00056 |
| 52663-64-6 | PCB-179 | 0.029 | B | 0.0096 | 0.00040 |
| 35065-29-3 | PCB-180 | 0.11 | C B | 0.019 | 0.00046 |
| 74472-47-2 | PCB-181 | ND | | 0.0096 | 0.00051 |
| 60145-23-5 | PCB-182 | 0.0017 | J | 0.0096 | 0.00050 |
| 52663-69-1 | PCB-183 | 0.037 | C B | 0.019 | 0.00050 |
| 74472-48-3 | PCB-184 | ND | | 0.0096 | 0.00040 |
| 52712-05-7 | PCB-185 | 0.037 | B C183 | 0.019 | 0.00050 |
| 74472-49-4 | PCB-186 | ND | | 0.0096 | 0.00040 |
| 52663-68-0 | PCB-187 | 0.082 | B | 0.0096 | 0.00051 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74487-85-7 | PCB-188 | 0.00082 | J | 0.0096 | 0.00037 |
| 39635-31-9 | PCB-189 | 0.0019 | J B q | 0.0096 | 0.00057 |
| 41411-64-7 | PCB-190 | 0.012 | B | 0.0096 | 0.00041 |
| 74472-50-7 | PCB-191 | 0.0039 | J | 0.0096 | 0.00041 |
| 74472-51-8 | PCB-192 | ND | | 0.0096 | 0.00044 |
| 69782-91-8 | PCB-193 | 0.11 | C180 B | 0.019 | 0.00046 |
| 35694-08-7 | PCB-194 | 0.021 | B | 0.0096 | 0.0015 |
| 52663-78-2 | PCB-195 | 0.0084 | J B | 0.0096 | 0.0017 |
| 42740-50-1 | PCB-196 | 0.014 | B q | 0.0096 | 0.00075 |
| 33091-17-7 | PCB-197 | 0.0016 | J B q | 0.0096 | 0.00055 |
| 68194-17-2 | PCB-198 | 0.034 | C B | 0.019 | 0.00080 |
| 52663-75-9 | PCB-199 | 0.034 | C198 B | 0.019 | 0.00080 |
| 52663-73-7 | PCB-200 | 0.0051 | J | 0.0096 | 0.00058 |
| 40186-71-8 | PCB-201 | 0.0037 | J B q | 0.0096 | 0.00055 |
| 2136-99-4 | PCB-202 | 0.0075 | J B q | 0.0096 | 0.00062 |
| 52663-76-0 | PCB-203 | 0.020 | | 0.0096 | 0.00071 |
| 74472-52-9 | PCB-204 | ND | | 0.0096 | 0.00060 |
| 74472-53-0 | PCB-205 | ND | | 0.0096 | 0.0011 |
| 40186-72-9 | PCB-206 | 0.016 | | 0.0096 | 0.0021 |
| 52663-79-3 | PCB-207 | ND | | 0.0096 | 0.0014 |
| 52663-77-1 | PCB-208 | 0.0055 | J | 0.0096 | 0.0014 |
| 2051-24-3 | PCB-209 | 0.025 | | 0.0096 | 0.00036 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.0018 | J | 0.0096 | 0.00014 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.013 | J B q | 0.019 | 0.00019 |
| 25323-68-6 | Total Trichlorobiphenyls | 0.051 | B q | 0.019 | 0.00026 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 0.30 | B q | 0.038 | 0.00041 |
| 25429-29-2 | Total Pentachlorobiphenyls | 0.78 | B q | 0.057 | 0.00049 |
| 26601-64-9 | Total Hexachlorobiphenyls | 0.87 | B q | 0.038 | 0.00064 |
| 28655-71-2 | Total Heptachlorobiphenyls | 0.48 | B q | 0.019 | 0.00049 |
| 55722-26-4 | Total Octachlorobiphenyls | 0.12 | B q | 0.019 | 0.00086 |
| 53742-07-7 | Total Nonachlorobiphenyls | 0.022 | | 0.0096 | 0.0016 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 2.7 | B q | 0.057 | 0.00059 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719 RE  Lab Sample ID: 580-88908-32 RE

Matrix: Solid  Lab File ID: 580-88908-a-32-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.93(g)  Date Analyzed: 10/10/2019 07:11

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 67 | | 30-140 |
| 208263-77-8 | PCB-3L | 68 | | 30-140 |
| 234432-86-1 | PCB-4L | 69 | | 30-140 |
| 208263-67-6 | PCB-15L | 76 | | 30-140 |
| 234432-87-2 | PCB-19L | 67 | | 30-140 |
| 208263-79-0 | PCB-37L | 83 | | 30-140 |
| 234432-88-3 | PCB-54L | 64 | | 30-140 |
| 105600-23-5 | PCB-77L | 84 | | 30-140 |
| 208461-24-9 | PCB-81L | 80 | | 30-140 |
| 234432-89-4 | PCB-104L | 77 | | 30-140 |
| 208263-62-1 | PCB-105L | 80 | | 30-140 |
| 208263-63-2 | PCB-114L | 79 | | 30-140 |
| 104130-40-7 | PCB-118L | 81 | | 30-140 |
| 208263-64-3 | PCB-123L | 87 | | 30-140 |
| 208263-65-4 | PCB-126L | 87 | | 30-140 |
| 234432-90-7 | PCB-155L | 87 | | 30-140 |
| 208263-68-7 | PCB-156L | 79 | C | 30-140 |
| 235416-30-5 | PCB-157L | 79 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 79 | | 30-140 |
| 208263-70-1 | PCB-169L | 90 | | 30-140 |
| 160901-80-4 | PCB-170L | 83 | | 30-140 |
| 234432-91-8 | PCB-188L | 83 | | 30-140 |
| 208263-73-4 | PCB-189L | 75 | | 30-140 |
| 105600-26-8 | PCB-202L | 94 | | 30-140 |
| 234446-64-1 | PCB-205L | 89 | | 30-140 |
| 208263-75-6 | PCB-206L | 79 | | 30-140 |
| 234432-92-9 | PCB-208L | 89 | | 30-140 |
| 105600-27-9 | PCB-209L | 88 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 71 | | 40-125 |
| 235416-29-2 | PCB-111L | 88 | | 40-125 |
| 232919-67-4 | PCB-178L | 95 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d
Lims ID: 580-88908-A-32-F
Client ID: J5-SC1b-80to90-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 07:11:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 09:06:11 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1026

First Level Reviewer: davidsonm Date: 10-Oct-2019 09:06:11

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 0.1833 | 0.1833 | 0.0149 | 0.0149 | | |
| D PCB-1L | 11:44 | 3436656 | 3.02 | 1.3140 | 66.6 | 66.6 | 0.6011 | 0.6011 | 66.61 | |
| D PCB-3L | 13:55 | 3612908 | 3.15 | 1.3615 | 67.6 | 67.6 | 0.5802 | 0.5802 | 67.58 | |
| PCB-1 | 11:47 | | | | | | 0.0144 | 0.0144 | | |
| PCB-2 | 13:44 | 3663 | 2.84 | 1.1911 | 0.0872 | 0.0872 | 0.0150 | 0.0150 | | M |
| PCB-3 | 13:55 | 4209 | 2.90 | 1.2130 | 0.0960 | 0.0960 | 0.0153 | 0.0153 | | M |
| S Total Dichlorobiphenyls | | | | | 1.373 | 1.315 | 0.0203 | 0.0203 | | RQ |
| D PCB-4L | 14:09 | 1617379 | 1.62 | 0.5996 | 68.7 | 68.7 | 0.2302 | 0.2302 | 68.70 | |
| * PCB-9L | 16:08 | 3926462 | 1.59 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:03 | 3083370 | 1.65 | 1.0280 | 76.4 | 76.4 | 0.1343 | 0.1343 | 76.39 | |
| PCB-4 | 14:10 | 3419 | 1.78 | 1.2533 | 0.1687 | 0.1687 | 0.0300 | 0.0300 | | M |
| PCB-10 | 14:23 | | | | | | 0.0208 | 0.0208 | | |
| PCB-9 | 16:08 | 2181 | 1.56 | 1.4200 | 0.0714 | 0.0653 | 0.0217 | 0.0217 | | RQM |
| PCB-7 | 16:20 | | | | | | 0.0190 | 0.0190 | | |
| PCB-6 | 16:33 | 6580 | 1.38 | 1.5539 | 0.1802 | 0.1802 | 0.0199 | 0.0199 | | M |
| PCB-5 | 16:53 | | | | | | 0.0198 | 0.0198 | | |
| PCB-8 | 16:59 | 9492 | 1.56 | 1.5884 | 0.3066 | 0.2543 | 0.0194 | 0.0194 | | RQM |
| PCB-14 | 18:38 | | | | | | 0.0165 | 0.0165 | | |
| PCB-11 | 19:26 | 18964 | 1.57 | 1.6347 | 0.4936 | 0.4936 | 0.0189 | 0.0189 | | |
| PCB-12 | 19:47 | | | | | | 0.0188 | 0.0188 | | |
| PCB-13 (C12) | 19:47 | | | | | | 0.0188 | 0.0188 | | |
| PCB-15 | 20:04 | 6601 | 1.34 | 1.4024 | 0.1527 | 0.1527 | 0.0187 | 0.0187 | | M |
| S Total Trichlorobiphenyl | | | | | 5.355 | 5.303 | 0.0270 | 0.0270 | | RQ |
| D PCB-19L | 17:15 | 1111635 | 1.07 | 0.6095 | 67.0 | 67.0 | 0.6544 | 0.6544 | 67.01 | |
| * PCB-32L | 20:32 | 2721955 | 1.14 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:47 | 6875507 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:05 | 5332197 | 1.04 | 1.0975 | 70.7 | 70.7 | 0.1832 | 0.1832 | 70.66 | |
| D PCB-37L | 27:05 | 5180306 | 1.09 | 0.9024 | 83.5 | 83.5 | 0.2228 | 0.2228 | 83.49 | |
| PCB-19 | 17:17 | 1609 | 1.04 | 1.3047 | 0.1219 | 0.1109 | 0.0355 | 0.0355 | | RQM |
| PCB-18 | 19:08 | 12318 | 0.98 | 1.8188 | 0.6093 | 0.6093 | 0.0255 | 0.0255 | | |
| PCB-30 (C18) | 19:08 | 12318 | 0.98 | 1.8188 | 0.6093 | 0.6093 | 0.0255 | 0.0255 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:34 | 7202 | 1.09 | 1.5641 | 0.4142 | 0.4142 | 0.0296 | 0.0296 | | |
| PCB-27 | 19:49 | | | | | | 0.0214 | 0.0214 | | |
| PCB-24 | 19:57 | | | | | | 0.0220 | 0.0220 | | |
| PCB-16 | 20:02 | 4937 | 0.88 | 1.2260 | 0.3622 | 0.3622 | 0.0378 | 0.0378 | | M |
| PCB-32 | 20:32 | 6488 | 1.04 | 2.3416 | 0.2785 | 0.2493 | 0.0198 | 0.0198 | | RQM |
| PCB-34 | 21:50 | | | | | | 0.0289 | 0.0289 | | |
| PCB-23 | 21:59 | | | | | | 0.0277 | 0.0277 | | |
| PCB-26 | 22:16 | 25460 | 1.04 | 1.3193 | 0.3725 | 0.3725 | 0.0266 | 0.0266 | | |
| PCB-29 (C26) | 22:16 | 25460 | 1.04 | 1.3193 | 0.3725 | 0.3725 | 0.0266 | 0.0266 | | |
| PCB-25 | 22:29 | 16498 | 1.07 | 1.3523 | 0.2355 | 0.2355 | 0.0260 | 0.0260 | | |
| PCB-31 | 22:48 | 57969 | 1.00 | 1.3809 | 0.8104 | 0.8104 | 0.0254 | 0.0254 | | |
| PCB-20 | 23:06 | 76210 | 1.16 | 1.3057 | 1.127 | 1.127 | 0.0269 | 0.0269 | | |
| PCB-28 (C20) | 23:06 | 76210 | 1.16 | 1.3057 | 1.127 | 1.127 | 0.0269 | 0.0269 | | |
| PCB-21 | 23:21 | 36517 | 1.15 | 1.3777 | 0.5117 | 0.5117 | 0.0255 | 0.0255 | | |
| PCB-33 (C21) | 23:21 | 36517 | 1.15 | 1.3777 | 0.5117 | 0.5117 | 0.0255 | 0.0255 | | |
| PCB-22 | 23:44 | 13958 | 1.13 | 1.2430 | 0.2168 | 0.2168 | 0.0282 | 0.0282 | | |
| PCB-36 | 25:19 | | | | | | 0.0261 | 0.0261 | | |
| PCB-39 | 25:40 | 3189 | 1.04 | 1.3970 | 0.0532 | 0.0441 | 0.0251 | 0.0251 | | RQMa |
| PCB-38 | 26:15 | | | | | | 0.0266 | 0.0266 | | |
| PCB-35 | 26:42 | 1999 | 1.04 | 1.2166 | 0.0344 | 0.0317 | 0.0289 | 0.0289 | | RQM |
| PCB-37 | 27:07 | 13854 | 1.05 | 1.2879 | 0.2076 | 0.2076 | 0.0273 | 0.0273 | | M |
| S Total Tetrachlorobiphen | | | | | 32.0 | 31.8 | 0.0432 | 0.0432 | | RQ |
| D PCB-54L | 20:21 | 1129024 | 0.78 | 0.6515 | 63.7 | 63.7 | 0.0648 | 0.0648 | 63.67 | |
| * PCB-52L | 24:55 | 3971168 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:51 | 3927811 | 0.79 | 1.2328 | 80.2 | 80.2 | 0.1565 | 0.1565 | 80.23 | |
| D PCB-77L | 34:24 | 4161783 | 0.78 | 1.2523 | 83.7 | 83.7 | 0.1541 | 0.1541 | 83.69 | |
| PCB-54 | 20:22 | 827 | 0.77 | 1.2558 | 0.0788 | 0.0583 | 0.0129 | 0.0129 | | RQM |
| PCB-50 | 22:32 | 11582 | 0.77 | 0.9362 | 0.3515 | 0.3059 | 0.0552 | 0.0552 | | RQ |
| PCB-53 (C50) | 22:32 | 11582 | 0.77 | 0.9362 | 0.3515 | 0.3059 | 0.0552 | 0.0552 | | RQ |
| PCB-45 | 23:17 | | | | | | 0.0583 | 0.0583 | | M |
| PCB-51 (C45) | 23:17 | | | | | | 0.0583 | 0.0583 | | M |
| PCB-46 | 23:33 | | | | | | 0.0680 | 0.0680 | | |
| PCB-52 | 24:56 | 275423 | 0.78 | 0.8992 | 7.572 | 7.572 | 0.0574 | 0.0574 | | |
| PCB-43 | 25:07 | | | | | | 0.0517 | 0.0517 | | |
| PCB-73 (C43) | 25:07 | | | | | | 0.0517 | 0.0517 | | |
| PCB-49 | 25:26 | 216206 | 0.83 | 1.1366 | 4.703 | 4.703 | 0.0454 | 0.0454 | | |
| PCB-69 (C49) | 25:26 | 216206 | 0.83 | 1.1366 | 4.703 | 4.703 | 0.0454 | 0.0454 | | |
| PCB-48 | 25:43 | 9963 | 0.82 | 0.9454 | 0.2605 | 0.2605 | 0.0546 | 0.0546 | | |
| PCB-44 | 25:59 | 193694 | 0.79 | 1.0323 | 4.639 | 4.639 | 0.0500 | 0.0500 | | |
| PCB-47 (C44) | 25:59 | 193694 | 0.79 | 1.0323 | 4.639 | 4.639 | 0.0500 | 0.0500 | | |
| PCB-65 (C44) | 25:59 | 193694 | 0.79 | 1.0323 | 4.639 | 4.639 | 0.0500 | 0.0500 | | |
| PCB-59 | 26:17 | 10993 | 0.79 | 1.3609 | 0.1997 | 0.1997 | 0.0379 | 0.0379 | | |
| PCB-62 (C59) | 26:17 | 10993 | 0.79 | 1.3609 | 0.1997 | 0.1997 | 0.0379 | 0.0379 | | |
| PCB-75 (C59) | 26:17 | 10993 | 0.79 | 1.3609 | 0.1997 | 0.1997 | 0.0379 | 0.0379 | | |
| PCB-42 | 26:28 | 32025 | 0.83 | 0.8670 | 0.9132 | 0.9132 | 0.0596 | 0.0596 | | |
| PCB-40 | 26:57 | 46857 | 0.77 | 0.9179 | 1.262 | 1.262 | 0.0563 | 0.0563 | | |
| PCB-41 (C40) | 26:57 | 46857 | 0.77 | 0.9179 | 1.262 | 1.262 | 0.0563 | 0.0563 | | |
| PCB-71 (C40) | 26:57 | 46857 | 0.77 | 0.9179 | 1.262 | 1.262 | 0.0563 | 0.0563 | | |
| PCB-64 | 27:10 | 41076 | 0.77 | 1.4164 | 0.7732 | 0.7170 | 0.0365 | 0.0365 | | RQ |
| PCB-72 | 28:01 | 21120 | 0.77 | 1.3157 | 0.4619 | 0.3968 | 0.0392 | 0.0392 | | RQ |
| PCB-68 | 28:18 | 25126 | 0.81 | 1.4782 | 0.4202 | 0.4202 | 0.0349 | 0.0349 | | |
| PCB-57 | 28:44 | | | | | | 0.0403 | 0.0403 | | |
| PCB-58 | 28:57 | 3834 | 0.83 | 1.3214 | 0.0717 | 0.0717 | 0.0391 | 0.0391 | | Ma |
| PCB-67 | 29:09 | | | | | | 0.0370 | 0.0370 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:23 | 5531 | 0.73 | 1.4685 | 0.0931 | 0.0931 | 0.0352 | 0.0352 | | |
| PCB-61 | 29:43 | 303266 | 0.80 | 1.3565 | 5.527 | 5.527 | 0.0381 | 0.0381 | | |
| PCB-70 (C61) | 29:43 | 303266 | 0.80 | 1.3565 | 5.527 | 5.527 | 0.0381 | 0.0381 | | |
| PCB-74 (C61) | 29:43 | 303266 | 0.80 | 1.3565 | 5.527 | 5.527 | 0.0381 | 0.0381 | | |
| PCB-76 (C61) | 29:43 | 303266 | 0.80 | 1.3565 | 5.527 | 5.527 | 0.0381 | 0.0381 | | |
| PCB-66 | 30:03 | 177989 | 0.74 | 1.2800 | 3.438 | 3.438 | 0.0403 | 0.0403 | | M |
| PCB-55 | 30:14 | | | | | | 0.0399 | 0.0399 | | |
| PCB-56 | 30:44 | 45949 | 0.80 | 1.2671 | 0.8965 | 0.8965 | 0.0408 | 0.0408 | | |
| PCB-60 | 30:57 | | | | | | 0.0389 | 0.0389 | | |
| PCB-80 | 31:22 | | | | | | 0.0351 | 0.0351 | | |
| PCB-79 | 32:53 | 12741 | 0.75 | 1.5421 | 0.2043 | 0.2043 | 0.0335 | 0.0335 | | M |
| PCB-78 | 33:27 | | | | | | 0.0393 | 0.0393 | | |
| PCB-81 | 33:53 | | | | | | 0.0403 | 0.0403 | | |
| PCB-77 | 34:26 | 7534 | 0.77 | 1.3308 | 0.1519 | 0.1360 | 0.0377 | 0.0377 | | RQM |
| S Total Pentachlorobiphen | | | | | 83.2 | 83.0 | 0.0514 | 0.0514 | | RQ |
| D PCB-104L | 25:52 | 2795868 | 1.58 | 1.1164 | 77.2 | 77.2 | 0.0630 | 0.0630 | 77.17 | |
| * PCB-101L | 31:46 | 3245352 | 1.61 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:28 | 3468293 | 1.60 | 1.2177 | 87.8 | 87.8 | 0.0577 | 0.0577 | 87.76 | |
| D PCB-123L | 36:26 | 3963505 | 1.59 | 0.9909 | 86.5 | 86.5 | 0.5937 | 0.5937 | 86.54 | |
| D PCB-118L | 36:45 | 3829109 | 1.64 | 1.0256 | 80.8 | 80.8 | 0.5736 | 0.5736 | 80.78 | |
| D PCB-114L | 37:17 | 3685110 | 1.60 | 1.0030 | 79.5 | 79.5 | 0.5865 | 0.5865 | 79.50 | |
| D PCB-105L | 37:55 | 3699808 | 1.56 | 1.0013 | 80.0 | 80.0 | 0.5875 | 0.5875 | 79.95 | |
| * PCB-127L | 39:24 | 4621720 | 1.54 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:01 | 3643967 | 1.64 | 0.9020 | 87.4 | 87.4 | 0.6522 | 0.6522 | 87.41 | |
| PCB-104 | 25:55 | | | | | | 0.0361 | 0.0361 | | |
| PCB-96 | 26:15 | 2707 | 1.55 | 1.2268 | 0.0857 | 0.0789 | 0.0409 | 0.0409 | | RQ |
| PCB-103 | 28:12 | 23433 | 1.54 | 1.0331 | 0.8113 | 0.8113 | 0.0486 | 0.0486 | | |
| PCB-94 | 28:26 | | | | | | 0.0556 | 0.0556 | | |
| PCB-95 | 28:51 | 307449 | 1.64 | 0.9620 | 11.4 | 11.4 | 0.0522 | 0.0522 | | |
| PCB-93 | 29:04 | 14758 | 1.48 | 0.9806 | 0.5383 | 0.5383 | 0.0512 | 0.0512 | | |
| PCB-100 (C93) | 29:04 | 14758 | 1.48 | 0.9806 | 0.5383 | 0.5383 | 0.0512 | 0.0512 | | |
| PCB-98 | 29:13 | 15408 | 1.63 | 0.9888 | 0.5573 | 0.5573 | 0.0508 | 0.0508 | | |
| PCB-102 (C98) | 29:13 | 15408 | 1.63 | 0.9888 | 0.5573 | 0.5573 | 0.0508 | 0.0508 | | |
| PCB-88 | 29:43 | 86064 | 1.71 | 1.0052 | 3.062 | 3.062 | 0.0500 | 0.0500 | | |
| PCB-91 (C88) | 29:43 | 86064 | 1.71 | 1.0052 | 3.062 | 3.062 | 0.0500 | 0.0500 | | |
| PCB-84 | 29:56 | 63471 | 1.41 | 0.8601 | 2.639 | 2.639 | 0.0584 | 0.0584 | | |
| PCB-89 | 30:27 | | | | | | 0.0562 | 0.0562 | | |
| PCB-121 | 30:52 | | | | | | 0.0359 | 0.0359 | | |
| PCB-92 | 31:13 | 115231 | 1.57 | 0.9532 | 4.324 | 4.324 | 0.0527 | 0.0527 | | |
| PCB-90 | 31:48 | 506420 | 1.62 | 1.1367 | 15.9 | 15.9 | 0.0442 | 0.0442 | | |
| PCB-101 (C90) | 31:48 | 506420 | 1.62 | 1.1367 | 15.9 | 15.9 | 0.0442 | 0.0442 | | |
| PCB-113 (C90) | 31:48 | 506420 | 1.62 | 1.1367 | 15.9 | 15.9 | 0.0442 | 0.0442 | | |
| PCB-83 | 32:23 | 312748 | 1.59 | 0.9393 | 11.9 | 11.9 | 0.0535 | 0.0535 | | M |
| PCB-99 (C83) | 32:23 | 312748 | 1.59 | 0.9393 | 11.9 | 11.9 | 0.0535 | 0.0535 | | M |
| PCB-112 | 32:31 | | | | | | 0.0367 | 0.0367 | | |
| PCB-86 | 32:53 | 192852 | 1.70 | 1.1958 | 5.768 | 5.768 | 0.0420 | 0.0420 | | M |
| PCB-87 (C86) | 32:53 | 192852 | 1.70 | 1.1958 | 5.768 | 5.768 | 0.0420 | 0.0420 | | M |
| PCB-97 (C86) | 32:53 | 192852 | 1.70 | 1.1958 | 5.768 | 5.768 | 0.0420 | 0.0420 | | M |
| PCB-109 (C86) | 32:53 | 192852 | 1.70 | 1.1958 | 5.768 | 5.768 | 0.0420 | 0.0420 | | M |
| PCB-119 (C86) | 32:53 | 192852 | 1.70 | 1.1958 | 5.768 | 5.768 | 0.0420 | 0.0420 | | M |
| PCB-125 (C86) | 32:53 | 192852 | 1.70 | 1.1958 | 5.768 | 5.768 | 0.0420 | 0.0420 | | M |
| PCB-85 | 33:36 | 44181 | 1.71 | 1.2126 | 1.303 | 1.303 | 0.0414 | 0.0414 | | |
| PCB-116 (C85) | 33:36 | 44181 | 1.71 | 1.2126 | 1.303 | 1.303 | 0.0414 | 0.0414 | | |
| PCB-117 (C85) | 33:36 | 44181 | 1.71 | 1.2126 | 1.303 | 1.303 | 0.0414 | 0.0414 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:46 | 491040 | 1.62 | 1.3511 | 13.0 | 13.0 | 0.0372 | 0.0372 | | |
| PCB-115 (C110) | 33:46 | 491040 | 1.62 | 1.3511 | 13.0 | 13.0 | 0.0372 | 0.0372 | | |
| PCB-82 | 34:06 | 22568 | 1.55 | 0.8675 | 1.013 | 0.9305 | 0.0579 | 0.0579 | | RQ |
| PCB-111 | 34:30 | | | | | | 0.0352 | 0.0352 | | |
| PCB-120 | 34:56 | 17103 | 1.58 | 1.4907 | 0.4103 | 0.4103 | 0.0337 | 0.0337 | | M |
| PCB-108 | 36:06 | 9883 | 1.55 | 1.2547 | 0.3120 | 0.2093 | 0.0643 | 0.0643 | | RQ |
| PCB-124 (C108) | 36:06 | 9883 | 1.55 | 1.2547 | 0.3120 | 0.2093 | 0.0643 | 0.0643 | | RQ |
| PCB-107 | 36:20 | 55203 | 1.50 | 1.3580 | 1.080 | 1.080 | 0.0594 | 0.0594 | | M |
| PCB-123 | 36:25 | 7148 | 1.44 | 1.3407 | 0.1345 | 0.1345 | 0.0560 | 0.0560 | | Ma |
| PCB-106 | 36:34 | | | | | | 0.0633 | 0.0633 | | |
| PCB-118 | 36:46 | 346061 | 1.58 | 1.2892 | 7.010 | 7.010 | 0.0611 | 0.0611 | | M |
| PCB-122 | 37:08 | | | | | | 0.0695 | 0.0695 | | |
| PCB-114 | 37:18 | 5916 | 1.55 | 1.4051 | 0.1367 | 0.1143 | 0.0589 | 0.0589 | | RQM |
| PCB-105 | 37:57 | 82396 | 1.65 | 1.2887 | 1.728 | 1.728 | 0.0634 | 0.0634 | | M |
| PCB-127 | 39:26 | | | | | | 0.0628 | 0.0628 | | |
| PCB-126 | 41:03 | | | | | | 0.0641 | 0.0641 | | |
| S Total Hexachlorobipheny | | | | | 91.7 | 91.5 | 0.0674 | 0.0674 | | RQ |
| D PCB-155L | 31:33 | 2685218 | 1.32 | 0.9499 | 87.1 | 87.1 | 0.1831 | 0.1831 | 87.11 | |
| * PCB-138L | 39:52 | 3620909 | 1.25 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:53 | 3583690 | 1.27 | 1.2544 | 78.9 | 78.9 | 0.3135 | 0.3135 | 78.90 | |
| D PCB-156L | 44:02 | 7006212 | 1.27 | 1.2289 | 157.4 | 157.4 | 0.3200 | 0.3200 | 78.72 | |
| D PCB-157L (C156L) | 44:02 | 7006212 | 1.27 | 1.2289 | 157.4 | 157.4 | 0.3200 | 0.3200 | 78.72 | |
| D PCB-169L | 47:17 | 3540648 | 1.27 | 1.0883 | 89.8 | 89.8 | 0.3613 | 0.3613 | 89.85 | |
| PCB-155 | 31:36 | | | | | | 0.0423 | 0.0423 | | |
| PCB-152 | 31:47 | | | | | | 0.0439 | 0.0439 | | |
| PCB-150 | 31:56 | 11810 | 1.19 | 1.2368 | 0.3556 | 0.3556 | 0.0446 | 0.0446 | | |
| PCB-136 | 32:18 | 108599 | 1.25 | 1.1563 | 3.498 | 3.498 | 0.0477 | 0.0477 | | |
| PCB-145 | 32:37 | | | | | | 0.0463 | 0.0463 | | |
| PCB-148 | 34:07 | 10023 | 1.25 | 0.8982 | 0.4156 | 0.4156 | 0.0614 | 0.0614 | | |
| PCB-135 | 34:41 | 207468 | 1.30 | 0.8691 | 8.890 | 8.890 | 0.0635 | 0.0635 | | |
| PCB-151 (C135) | 34:41 | 207468 | 1.30 | 0.8691 | 8.890 | 8.890 | 0.0635 | 0.0635 | | |
| PCB-154 | 34:58 | 48490 | 1.25 | 1.0180 | 1.774 | 1.774 | 0.0542 | 0.0542 | | M |
| PCB-144 | 35:16 | 20699 | 1.29 | 0.9185 | 0.8393 | 0.8393 | 0.0601 | 0.0601 | | M |
| PCB-147 | 35:38 | 655850 | 1.24 | 0.9747 | 19.0 | 19.0 | 0.0808 | 0.0808 | | |
| PCB-149 (C147) | 35:38 | 655850 | 1.24 | 0.9747 | 19.0 | 19.0 | 0.0808 | 0.0808 | | |
| PCB-134 | 35:50 | 25845 | 1.24 | 0.8518 | 0.9676 | 0.8589 | 0.0924 | 0.0924 | | RQa |
| PCB-143 (C134) | 35:50 | 25845 | 1.24 | 0.8518 | 0.9676 | 0.8589 | 0.0924 | 0.0924 | | RQa |
| PCB-139 | 36:14 | 17142 | 1.24 | 0.9995 | 0.5712 | 0.4855 | 0.0788 | 0.0788 | | RQ |
| PCB-140 (C139) | 36:14 | 17142 | 1.24 | 0.9995 | 0.5712 | 0.4855 | 0.0788 | 0.0788 | | RQ |
| PCB-131 | 36:26 | 7455 | 1.05 | 0.8584 | 0.2458 | 0.2458 | 0.0917 | 0.0917 | | |
| PCB-142 | 36:36 | | | | | | 0.0916 | 0.0916 | | |
| PCB-132 | 36:53 | 154701 | 1.29 | 0.8801 | 4.976 | 4.976 | 0.0895 | 0.0895 | | |
| PCB-133 | 37:23 | 30830 | 1.30 | 0.9064 | 0.9628 | 0.9628 | 0.0869 | 0.0869 | | |
| PCB-165 | 37:49 | | | | | | 0.0702 | 0.0702 | | |
| PCB-146 | 38:03 | 225560 | 1.29 | 1.0084 | 6.332 | 6.332 | 0.0781 | 0.0781 | | |
| PCB-161 | 38:12 | | | | | | 0.0589 | 0.0589 | | |
| PCB-153 | 38:39 | 755202 | 1.21 | 1.2207 | 17.5 | 17.5 | 0.0645 | 0.0645 | | |
| PCB-168 (C153) | 38:39 | 755202 | 1.21 | 1.2207 | 17.5 | 17.5 | 0.0645 | 0.0645 | | |
| PCB-141 | 38:51 | 84930 | 1.34 | 0.9608 | 2.502 | 2.502 | 0.0820 | 0.0820 | | |
| PCB-130 | 39:16 | 36033 | 1.28 | 0.8274 | 1.233 | 1.233 | 0.0952 | 0.0952 | | |
| PCB-137 | 39:29 | 14748 | 1.29 | 1.0582 | 0.3945 | 0.3945 | 0.0744 | 0.0744 | | |
| PCB-164 | 39:36 | 57925 | 1.25 | 1.2527 | 1.309 | 1.309 | 0.0629 | 0.0629 | | |
| PCB-129 | 39:55 | 567183 | 1.28 | 1.0840 | 14.8 | 14.8 | 0.0726 | 0.0726 | | |
| PCB-138 (C129) | 39:55 | 567183 | 1.28 | 1.0840 | 14.8 | 14.8 | 0.0726 | 0.0726 | | |
| PCB-160 (C129) | 39:55 | 567183 | 1.28 | 1.0840 | 14.8 | 14.8 | 0.0726 | 0.0726 | | |
| PCB-163 (C129) | 39:55 | 567183 | 1.28 | 1.0840 | 14.8 | 14.8 | 0.0726 | 0.0726 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:18 | 63137 | 1.29 | 1.3862 | 1.289 | 1.289 | 0.0568 | 0.0568 | | |
| PCB-128 | 41:09 | 78154 | 1.17 | 1.1165 | 1.982 | 1.982 | 0.0705 | 0.0705 | | |
| PCB-166 (C128) | 41:09 | 78154 | 1.17 | 1.1165 | 1.982 | 1.982 | 0.0705 | 0.0705 | | |
| PCB-159 | 42:07 | 8774 | 1.24 | 1.3178 | 0.2188 | 0.1885 | 0.0597 | 0.0597 | | RQM |
| PCB-162 | 42:27 | | | | | | 0.0578 | 0.0578 | | |
| PCB-167 | 42:54 | 19166 | 1.13 | 1.3357 | 0.4004 | 0.4004 | 0.0486 | 0.0486 | | M |
| PCB-156 | 44:02 | 52174 | 1.28 | 1.2759 | 1.167 | 1.167 | 0.0752 | 0.0752 | | M |
| PCB-157 (C156) | 44:02 | 52174 | 1.28 | 1.2759 | 1.167 | 1.167 | 0.0752 | 0.0752 | | M |
| PCB-169 | 47:19 | | | | | | 0.0535 | 0.0535 | | |
| S Total Heptachlorobiphen | | | | | 50.1 | 50.1 | 0.0513 | 0.0513 | | RQ |
| D PCB-188L | 37:17 | 3308770 | 1.06 | 1.3162 | 82.8 | 82.8 | 0.1319 | 0.1319 | 82.81 | |
| $ PCB-178L | 40:20 | 2668282 | 1.10 | 0.9222 | 95.3 | 95.3 | 0.1882 | 0.1882 | 95.31 | |
| * PCB-180L | 45:26 | 3035693 | 1.08 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:41 | 2100552 | 1.07 | 0.8357 | 82.8 | 82.8 | 0.2077 | 0.2077 | 82.80 | |
| D PCB-189L | 49:48 | 3043373 | 1.03 | 1.4666 | 75.1 | 75.1 | 0.6525 | 0.6525 | 75.09 | |
| PCB-188 | 37:19 | 3567 | 1.17 | 1.2502 | 0.0862 | 0.0862 | 0.0385 | 0.0385 | | |
| PCB-179 | 37:38 | 118062 | 1.02 | 1.4149 | 3.085 | 3.085 | 0.0421 | 0.0421 | | |
| PCB-184 | 38:12 | | | | | | 0.0420 | 0.0420 | | |
| PCB-176 | 38:32 | 31673 | 0.93 | 1.5212 | 0.7698 | 0.7698 | 0.0391 | 0.0391 | | |
| PCB-186 | 39:00 | | | | | | 0.0415 | 0.0415 | | |
| PCB-178 | 40:21 | 48202 | 0.97 | 1.0228 | 1.742 | 1.742 | 0.0582 | 0.0582 | | |
| PCB-175 | 41:00 | 12309 | 0.95 | 1.0690 | 0.4257 | 0.4257 | 0.0557 | 0.0557 | | |
| PCB-187 | 41:16 | 259008 | 1.06 | 1.1106 | 8.623 | 8.623 | 0.0536 | 0.0536 | | |
| PCB-182 | 41:29 | 5386 | 0.91 | 1.1484 | 0.1734 | 0.1734 | 0.0519 | 0.0519 | | |
| PCB-183 | 41:53 | 119331 | 1.02 | 1.1368 | 3.881 | 3.881 | 0.0524 | 0.0524 | | |
| PCB-185 (C183) | 41:53 | 119331 | 1.02 | 1.1368 | 3.881 | 3.881 | 0.0524 | 0.0524 | | |
| PCB-174 | 42:07 | 152772 | 1.07 | 0.9547 | 5.917 | 5.917 | 0.0624 | 0.0624 | | |
| PCB-177 | 42:33 | 106703 | 1.05 | 0.9426 | 4.186 | 4.186 | 0.0632 | 0.0632 | | |
| PCB-181 | 42:58 | | | | | | 0.0538 | 0.0538 | | |
| PCB-171 | 43:11 | 47339 | 1.10 | 0.9603 | 1.823 | 1.823 | 0.0620 | 0.0620 | | |
| PCB-173 (C171) | 43:11 | 47339 | 1.10 | 0.9603 | 1.823 | 1.823 | 0.0620 | 0.0620 | | |
| PCB-172 | 44:48 | 29813 | 1.08 | 0.9918 | 1.111 | 1.111 | 0.0600 | 0.0600 | | |
| PCB-192 | 45:06 | | | | | | 0.0461 | 0.0461 | | |
| PCB-180 | 45:28 | 377743 | 1.05 | 1.2286 | 11.4 | 11.4 | 0.0485 | 0.0485 | | |
| PCB-193 (C180) | 45:28 | 377743 | 1.05 | 1.2286 | 11.4 | 11.4 | 0.0485 | 0.0485 | | |
| PCB-191 | 45:49 | 15115 | 0.98 | 1.3848 | 0.4035 | 0.4035 | 0.0430 | 0.0430 | | |
| PCB-170 | 46:43 | 135571 | 1.07 | 1.2700 | 5.082 | 5.082 | 0.0616 | 0.0616 | | |
| PCB-190 | 47:13 | 46490 | 0.97 | 1.3774 | 1.248 | 1.248 | 0.0432 | 0.0432 | | |
| PCB-189 | 49:52 | 7548 | 1.05 | 1.2799 | 0.2237 | 0.1938 | 0.0596 | 0.0596 | | RQM |
| S Total Octachlorobipheny | | | | | 12.7 | 12.1 | 0.0899 | 0.0899 | | RQ |
| D PCB-202L | 42:40 | 2854972 | 0.94 | 1.0055 | 93.5 | 93.5 | 0.2144 | 0.2144 | 93.53 | |
| * PCB-194L | 51:55 | 2763577 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:23 | 3158860 | 0.88 | 1.2867 | 88.8 | 88.8 | 0.6915 | 0.6915 | 88.83 | |
| PCB-202 | 42:41 | 23708 | 0.89 | 1.0531 | 0.9200 | 0.7886 | 0.0653 | 0.0653 | | RQM |
| PCB-201 | 43:36 | 13082 | 0.89 | 1.1860 | 0.4680 | 0.3863 | 0.0580 | 0.0580 | | RQM |
| PCB-204 | 44:18 | | | | | | 0.0625 | 0.0625 | | |
| PCB-197 | 44:33 | 5766 | 0.89 | 1.2053 | 0.2159 | 0.1676 | 0.0570 | 0.0570 | | RQMa |
| PCB-200 | 44:37 | 17326 | 1.01 | 1.1260 | 0.5389 | 0.5389 | 0.0611 | 0.0611 | | M |
| PCB-198 | 47:26 | 82776 | 0.97 | 0.8183 | 3.543 | 3.543 | 0.0840 | 0.0840 | | M |
| PCB-199 (C198) | 47:26 | 82776 | 0.97 | 0.8183 | 3.543 | 3.543 | 0.0840 | 0.0840 | | M |
| PCB-196 | 48:04 | 37471 | 0.89 | 0.8748 | 1.812 | 1.500 | 0.0786 | 0.0786 | | RQM |
| PCB-203 | 48:17 | 54855 | 0.94 | 0.9219 | 2.084 | 2.084 | 0.0746 | 0.0746 | | M |
| PCB-195 | 49:35 | 21747 | 0.78 | 0.7839 | 0.8783 | 0.8783 | 0.1804 | 0.1804 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:57 | 64679 | 0.76 | 0.9282 | 2.206 | 2.206 | 0.1524 | 0.1524 | | |
| PCB-205 | 52:26 | | | | | | 0.1146 | 0.1146 | | |
| S Total Nonachlorobipheny | | | | | 2.289 | 2.289 | 0.1720 | 0.1720 | | |
| D PCB-208L | 49:21 | 2803011 | 0.82 | 1.1383 | 89.1 | 89.1 | 0.8442 | 0.8442 | 89.11 | |
| D PCB-206L | 54:09 | 1939817 | 0.79 | 0.8938 | 78.5 | 78.5 | 1.075 | 1.075 | 78.53 | |
| PCB-208 | 49:22 | 18629 | 0.68 | 1.1567 | 0.5746 | 0.5746 | 0.1509 | 0.1509 | | M |
| PCB-207 | 50:19 | | | | | | 0.1490 | 0.1490 | | |
| PCB-206 | 54:11 | 39666 | 0.78 | 1.1927 | 1.714 | 1.714 | 0.2161 | 0.2161 | | M |
| D PCB-209L | 55:47 | 2396190 | 0.73 | 0.9809 | 88.4 | 88.4 | 0.2887 | 0.2887 | 88.40 | |
| DCB Decachlorobiphenyl | 55:49 | 77219 | 0.68 | 1.2455 | 2.587 | 2.587 | 0.0377 | 0.0377 | | |
| S Polychlorinated bipheny | | | | | 281.3 | 2.587 | 0.0623 | 0.0623 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d
Lims ID: 580-88908-A-32-F
Client ID: J5-SC1b-80to90-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 07:11:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 09:06:11 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1026

First Level Reviewer: davidsonm Date: 10-Oct-2019 09:06:11

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:44 | 11:47 | -3 | 0.727 | 2582570 | 975054 | 977 | 2442 | 998 | | |
| 202.0766 | 11:44 | 11:47 | -3 | 0.727 | 854086 | 319506 | 2686 | 6715 | 119 | 3.02(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:57 | -1 | 0.862 | 2743298 | 911902 | 977 | 2442 | 933 | | |
| 202.0766 | 13:55 | 13:57 | -1 | 0.862 | 869610 | 283591 | 2686 | 6715 | 106 | 3.15(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:45 | | | | | | 53 | 132 | | | |
| 190.0363 | 11:45 | | | | | | 36 | 90 | | | |
| PCB-2 | | | | | | | | | | | M |
| 188.0393 | 13:44 | 13:44 | -2 | 0.988 | 2710 | 704 | 53 | 132 | 13 | | M |
| 190.0363 | 13:44 | 13:44 | -2 | 0.988 | 953 | 392 | 36 | 90 | 11 | 2.84(2.66-3.60) | M |
| PCB-3 | | | | | | | | | | | M |
| 188.0393 | 13:55 | 13:55 | -1 | 1.001 | 3129 | 957 | 53 | 132 | 18 | | |
| 190.0363 | 13:55 | 13:55 | -2 | 1.000 | 1080 | 446 | 36 | 90 | 12 | 2.90(2.66-3.60) | M |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:09 | 14:13 | -2 | 0.878 | 999115 | 339910 | 523 | 1307 | 650 | | |
| 236.0376 | 14:09 | 14:13 | -2 | 0.878 | 618264 | 204733 | 117 | 292 | 1750 | 1.62(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:08 | 16:09 | -1 | | 2408471 | 713256 | 523 | 1307 | 1364 | | |
| 236.0376 | 16:08 | 16:09 | -1 | | 1517991 | 445990 | 117 | 292 | 3812 | 1.59(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:03 | 20:06 | -2 | 1.243 | 1921003 | 482063 | 523 | 1307 | 922 | | |
| 236.0376 | 20:03 | 20:06 | -2 | 1.243 | 1162367 | 300932 | 117 | 292 | 2572 | 1.65(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | M |
| 222.0003 | 14:10 | 14:10 | -2 | 1.001 | 2188 | 715 | 66 | 165 | 11 | | M |
| 223.9974 | 14:10 | 14:10 | -2 | 1.001 | 1231 | 423 | 16 | 40 | 26 | 1.78(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:20 | | | | | | 66 | 165 | | | |
| 223.9974 | 14:20 | | | | | | 16 | 40 | | | |
| PCB-9 | | | | | | | | | | | RQM |
| 222.0003 | 16:08 | 16:08 | -3 | 1.139 | 1530 | 386 | 66 | 165 | 6 | | M |
| | Empc Correction | | | | 1329 | 455 | 66 | 165 | 7 | | |
| 223.9974 | 16:09 | 16:08 | -2 | 1.140 | 852 | 292 | 16 | 40 | 18 | 1.80(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:18 | | | | | | 66 | 165 | | | |
| 223.9974 | 16:18 | | | | | | 16 | 40 | | | |
| PCB-6 | | | | | | | | | | | M |
| 222.0003 | 16:33 | 16:33 | -2 | 1.169 | 3821 | 891 | 66 | 165 | 14 | | M |
| 223.9974 | 16:33 | 16:33 | -2 | 1.169 | 2759 | 655 | 16 | 40 | 41 | 1.38(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:51 | | | | | | 66 | 165 | | | |
| 223.9974 | 16:51 | | | | | | 16 | 40 | | | |
| PCB-8 | | | | | | | | | | | RQM |
| 222.0003 | 16:59 | 16:59 | -2 | 1.200 | 7739 | 2528 | 66 | 165 | 38 | | M |
| | Empc Correction | | | | 5784 | 1987 | 66 | 165 | 30 | | |
| 223.9974 | 16:59 | 16:59 | -2 | 1.200 | 3708 | 1274 | 16 | 40 | 80 | 2.09(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:36 | | | | | | 66 | 165 | | | |
| 223.9974 | 18:36 | | | | | | 16 | 40 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:26 | 19:31 | -2 | 0.970 | 11578 | 2549 | 66 | 165 | 39 | | |
| 223.9974 | 19:27 | 19:31 | -1 | 0.971 | 7386 | 1633 | 16 | 40 | 102 | 1.57(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | | | | | | 66 | 165 | | | |
| 223.9974 | 19:45 | | | | | | 16 | 40 | | | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | | | | | | 66 | 165 | | | |
| 223.9974 | 19:45 | | | | | | 16 | 40 | | | |
| PCB-15 | | | | | | | | | | | M |
| 222.0003 | 20:04 | 20:04 | -1 | 1.001 | 3778 | 792 | 66 | 165 | 12 | | M |
| 223.9974 | 20:03 | 20:04 | -2 | 1.001 | 2823 | 561 | 16 | 40 | 35 | 1.34(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:15 | 17:21 | -2 | 0.841 | 574765 | 161395 | 756 | 1890 | 213 | | |
| 269.9986 | 17:15 | 17:21 | -2 | 0.841 | 536870 | 155806 | 348 | 870 | 448 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:33 | -1 | | 1447678 | 366605 | 756 | 1890 | 485 | | |
| 269.9986 | 20:31 | 20:33 | -2 | | 1274277 | 325365 | 348 | 870 | 935 | 1.14(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:49 | -2 | | 3545210 | 862311 | 800 | 2000 | 1078 | | |
| 269.9986 | 22:47 | 22:49 | -2 | | 3330297 | 802575 | 539 | 1347 | 1489 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:05 | 23:11 | -2 | 1.013 | 2718784 | 662930 | 800 | 2000 | 829 | | |
| 269.9986 | 23:05 | 23:11 | -2 | 1.013 | 2613413 | 618163 | 539 | 1347 | 1147 | 1.04(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:05 | 27:12 | -2 | 1.189 | 2698117 | 602356 | 800 | 2000 | 753 | | |
| 269.9986 | 27:05 | 27:12 | -2 | 1.189 | 2482189 | 542564 | 539 | 1347 | 1007 | 1.09(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | RQM |
| 255.9613 | 17:17 | 17:17 | -2 | 1.002 | 979 | 272 | 29 | 72 | 9 | | M |
| | Empc Correction | | | | 820 | 258 | 29 | 72 | 9 | | |
| 257.9584 | 17:17 | 17:17 | -2 | 1.002 | 789 | 249 | 30 | 75 | 8 | 1.24(0.88-1.20) | M |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:11 | -1 | 1.109 | 6105 | 1546 | 29 | 72 | 53 | | |
| 257.9584 | 19:08 | 19:11 | -1 | 1.109 | 6213 | 1439 | 30 | 75 | 48 | 0.98(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:11 | -1 | 1.109 | 6105 | 1546 | 29 | 72 | 53 | | |
| 257.9584 | 19:08 | 19:11 | -1 | 1.109 | 6213 | 1439 | 30 | 75 | 48 | 0.98(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:34 | 19:37 | -2 | 1.133 | 3758 | 962 | 29 | 72 | 33 | | |
| 257.9584 | 19:34 | 19:37 | -2 | 1.133 | 3444 | 881 | 30 | 75 | 29 | 1.09(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:46 | | | | | | 29 | 72 | | | |
| 257.9584 | 19:46 | | | | | | 30 | 75 | | | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:54 | | | | | | 29 | 72 | | | |
| 257.9584 | 19:54 | | | | | | 30 | 75 | | | |
| PCB-16 | | | | | | | | | | | M |
| 255.9613 | 20:02 | 20:02 | -1 | 1.161 | 2313 | 665 | 29 | 72 | 23 | | M |
| 257.9584 | 20:02 | 20:02 | -1 | 1.161 | 2624 | 651 | 30 | 75 | 22 | 0.88(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | RQM |
| 255.9613 | 20:32 | 20:32 | -2 | 1.190 | 3308 | 907 | 29 | 72 | 31 | | |
| 257.9584 | 20:32 | 20:32 | -2 | 1.190 | 3940 | 1234 | 30 | 75 | 41 | 0.84(0.88-1.20) | M |
| | Empc Correction | | | | 3180 | 872 | 30 | 75 | 29 | | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:47 | | | | | | 73 | 182 | | | |
| 257.9584 | 21:47 | | | | | | 88 | 220 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:56 | | | | | | 73 | 182 | | | |
| 257.9584 | 21:56 | | | | | | 88 | 220 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:16 | 22:20 | -2 | 1.290 | 12990 | 3271 | 73 | 182 | 45 | | |
| 257.9584 | 22:16 | 22:20 | -2 | 1.290 | 12470 | 2952 | 88 | 220 | 34 | 1.04(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:16 | 22:20 | -2 | 1.290 | 12990 | 3271 | 73 | 182 | 45 | | |
| 257.9584 | 22:16 | 22:20 | -2 | 1.290 | 12470 | 2952 | 88 | 220 | 34 | 1.04(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:29 | 22:36 | -2 | 0.830 | 8530 | 1944 | 73 | 182 | 27 | | |
| 257.9584 | 22:29 | 22:36 | -2 | 0.830 | 7968 | 1679 | 88 | 220 | 19 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:55 | -2 | 0.842 | 28989 | 7382 | 73 | 182 | 101 | | |
| 257.9584 | 22:48 | 22:55 | -2 | 0.842 | 28980 | 7154 | 88 | 220 | 81 | 1.00(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:14 | -2 | 0.853 | 40898 | 9700 | 73 | 182 | 133 | | |
| 257.9584 | 23:06 | 23:14 | -2 | 0.853 | 35312 | 8427 | 88 | 220 | 96 | 1.16(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:14 | -2 | 0.853 | 40898 | 9700 | 73 | 182 | 133 | | |
| 257.9584 | 23:06 | 23:14 | -2 | 0.853 | 35312 | 8427 | 88 | 220 | 96 | 1.16(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:27 | -2 | 0.862 | 19569 | 4973 | 73 | 182 | 68 | | |
| 257.9584 | 23:21 | 23:27 | -2 | 0.862 | 16948 | 4091 | 88 | 220 | 46 | 1.15(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:27 | -2 | 0.862 | 19569 | 4973 | 73 | 182 | 68 | | |
| 257.9584 | 23:21 | 23:27 | -2 | 0.862 | 16948 | 4091 | 88 | 220 | 46 | 1.15(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:51 | -2 | 0.876 | 7402 | 1876 | 73 | 182 | 26 | | |
| 257.9584 | 23:43 | 23:51 | -2 | 0.876 | 6556 | 1309 | 88 | 220 | 15 | 1.13(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:18 | | | | | | 73 | 182 | | | |
| 257.9584 | 25:18 | | | | | | 88 | 220 | | | |
| PCB-39 | | | | | | | | | | | RQMa |
| 255.9613 | 25:40 | 25:40 | -1 | 0.947 | 1626 | 391 | 73 | 182 | 5 | | a |
| 257.9584 | 25:40 | 25:40 | 0 | 0.948 | 2224 | 437 | 88 | 220 | 5 | 0.73(0.88-1.20) | M |
| | Empc Correction | | | | 1563 | 375 | 88 | 220 | 4 | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:14 | | | | | | 73 | 182 | | | |
| 257.9584 | 26:14 | | | | | | 88 | 220 | | | |
| PCB-35 | | | | | | | | | | | RQM |
| 255.9613 | 26:42 | 26:41 | -2 | 0.986 | 1185 | 446 | 73 | 182 | 6 | | |
| | Empc Correction | | | | 1019 | 481 | 73 | 182 | 7 | | |
| 257.9584 | 26:41 | 26:41 | -2 | 0.985 | 980 | 463 | 88 | 220 | 5 | 1.21(0.88-1.20) | M |
| PCB-37 | | | | | | | | | | | M |
| 255.9613 | 27:07 | 27:07 | -1 | 1.001 | 7092 | 1632 | 73 | 182 | 22 | | M |
| 257.9584 | 27:06 | 27:07 | -2 | 1.000 | 6762 | 1531 | 88 | 220 | 17 | 1.05(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:27 | -2 | 0.817 | 496484 | 137538 | 80 | 200 | 1719 | | |
| 303.9597 | 20:21 | 20:27 | -2 | 0.817 | 632540 | 171712 | 37 | 92 | 4641 | 0.78(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:55 | 24:56 | -2 | | 1747924 | 409434 | 257 | 642 | 1593 | | |
| 303.9597 | 24:55 | 24:56 | -2 | | 2223244 | 507999 | 451 | 1127 | 1126 | 0.79(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:51 | 34:00 | -1 | 1.359 | 1729762 | 350135 | 257 | 642 | 1362 | | |
| 303.9597 | 33:51 | 34:00 | -1 | 1.359 | 2198049 | 461091 | 451 | 1127 | 1022 | 0.79(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:24 | 34:34 | -1 | 1.381 | 1826725 | 384522 | 257 | 642 | 1496 | | |
| 303.9597 | 34:24 | 34:34 | -1 | 1.381 | 2335058 | 477531 | 451 | 1127 | 1059 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | RQM |
| 289.9224 | 20:22 | 20:25 | -2 | 1.000 | 360 | 118 | 8 | 20 | 15 | | |
| 291.9194 | 20:25 | 20:25 | 1 | 1.003 | 757 | 149 | 12 | 30 | 12 | 0.48(0.65-0.89) | M |
| | Empc Correction | | | | 467 | 153 | 12 | 30 | 13 | | |
| PCB-50 | | | | | | | | | | | RQ |
| 289.9224 | 22:32 | 22:38 | -3 | 1.107 | 6767 | 1709 | 51 | 127 | 34 | | |
| | Empc Correction | | | | 5038 | 1141 | 51 | 127 | 22 | | |
| 291.9194 | 22:31 | 22:38 | -4 | 1.107 | 6544 | 1482 | 122 | 305 | 12 | 1.03(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | RQ |
| 289.9224 | 22:32 | 22:38 | -3 | 1.107 | 6767 | 1709 | 51 | 127 | 34 | | |
| | Empc Correction | | | | 5038 | 1141 | 51 | 127 | 22 | | |
| 291.9194 | 22:31 | 22:38 | -4 | 1.107 | 6544 | 1482 | 122 | 305 | 12 | 1.03(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:22 | | | | | | 51 | 127 | | | |
| 291.9194 | 23:22 | | | | | | 122 | 305 | | | |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:22 | | | | | | 51 | 127 | | | |
| 291.9194 | 23:22 | | | | | | 122 | 305 | | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:36 | | | | | | 51 | 127 | | | |
| 291.9194 | 23:36 | | | | | | 122 | 305 | | | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:58 | -2 | 1.226 | 120828 | 28740 | 51 | 127 | 564 | | |
| 291.9194 | 24:56 | 24:58 | -2 | 1.226 | 154595 | 36233 | 122 | 305 | 297 | 0.78(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:05 | | | | | | 51 | 127 | | | |
| 291.9194 | 25:05 | | | | | | 122 | 305 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:05 | | | | | | 51 | 127 | | | |
| 291.9194 | 25:05 | | | | | | 122 | 305 | | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:26 | 25:29 | 1 | 1.250 | 98249 | 22038 | 51 | 127 | 432 | | |
| 291.9194 | 25:26 | 25:29 | 1 | 1.250 | 117957 | 28657 | 122 | 305 | 235 | 0.83(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:26 | 25:29 | 1 | 1.250 | 98249 | 22038 | 51 | 127 | 432 | | |
| 291.9194 | 25:26 | 25:29 | 1 | 1.250 | 117957 | 28657 | 122 | 305 | 235 | 0.83(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:43 | 25:48 | -2 | 1.264 | 4480 | 914 | 51 | 127 | 18 | | |
| 291.9194 | 25:43 | 25:48 | -2 | 1.264 | 5483 | 1234 | 122 | 305 | 10 | 0.82(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:59 | 26:02 | 0 | 1.277 | 85378 | 12239 | 51 | 127 | 240 | | |
| 291.9194 | 25:58 | 26:02 | -1 | 1.276 | 108316 | 15931 | 122 | 305 | 131 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 26:02 | 0 | 1.277 | 85378 | 12239 | 51 | 127 | 240 | | |
| 291.9194 | 25:58 | 26:02 | -1 | 1.276 | 108316 | 15931 | 122 | 305 | 131 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 26:02 | 0 | 1.277 | 85378 | 12239 | 51 | 127 | 240 | | |
| 291.9194 | 25:58 | 26:02 | -1 | 1.276 | 108316 | 15931 | 122 | 305 | 131 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:20 | 1 | 1.292 | 4864 | 794 | 51 | 127 | 16 | | |
| 291.9194 | 26:16 | 26:20 | 0 | 1.291 | 6129 | 1160 | 122 | 305 | 10 | 0.79(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:20 | 1 | 1.292 | 4864 | 794 | 51 | 127 | 16 | | |
| 291.9194 | 26:16 | 26:20 | 0 | 1.291 | 6129 | 1160 | 122 | 305 | 10 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:20 | 1 | 1.292 | 4864 | 794 | 51 | 127 | 16 | | |
| 291.9194 | 26:16 | 26:20 | 0 | 1.291 | 6129 | 1160 | 122 | 305 | 10 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:28 | 26:33 | -2 | 1.301 | 14516 | 3511 | 51 | 127 | 69 | | |
| 291.9194 | 26:28 | 26:33 | -2 | 1.301 | 17509 | 4080 | 122 | 305 | 33 | 0.83(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:57 | 27:03 | -2 | 1.325 | 20312 | 4810 | 51 | 127 | 94 | | |
| 291.9194 | 26:58 | 27:03 | -1 | 1.326 | 26545 | 5792 | 122 | 305 | 47 | 0.77(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:57 | 27:03 | -2 | 1.325 | 20312 | 4810 | 51 | 127 | 94 | | |
| 291.9194 | 26:58 | 27:03 | -1 | 1.326 | 26545 | 5792 | 122 | 305 | 47 | 0.77(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:57 | 27:03 | -2 | 1.325 | 20312 | 4810 | 51 | 127 | 94 | | |
| 291.9194 | 26:58 | 27:03 | -1 | 1.326 | 26545 | 5792 | 122 | 305 | 47 | 0.77(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | RQ |
| 289.9224 | 27:10 | 27:16 | -2 | 1.336 | 21087 | 4182 | 51 | 127 | 82 | | |
| | Empc Correction | | | | 17869 | 4412 | 51 | 127 | 87 | | |
| 291.9194 | 27:10 | 27:16 | -2 | 1.336 | 23207 | 5730 | 122 | 305 | 47 | 0.91(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | RQ |
| 289.9224 | 28:01 | 28:10 | -2 | 0.828 | 9188 | 2220 | 51 | 127 | 44 | | |
| 291.9194 | 28:01 | 28:10 | -2 | 0.828 | 15395 | 3046 | 122 | 305 | 25 | 0.60(0.65-0.89) | |
| | Empc Correction | | | | 11932 | 2883 | 122 | 305 | 24 | | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:18 | 28:27 | -1 | 0.836 | 11235 | 2413 | 51 | 127 | 47 | | |
| 291.9194 | 28:18 | 28:27 | -2 | 0.836 | 13891 | 2572 | 122 | 305 | 21 | 0.81(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:44 | | | | | | 51 | 127 | | | |
| 291.9194 | 28:44 | | | | | | 122 | 305 | | | |
| PCB-58 | | | | | | | | | | | Ma |
| 289.9224 | 28:57 | 28:57 | -2 | 0.855 | 1740 | 497 | 51 | 127 | 10 | | M |
| 291.9194 | 28:57 | 28:57 | -2 | 0.856 | 2094 | 897 | 122 | 305 | 7 | 0.83(0.65-0.89) | M |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:12 | | | | | | 51 | 127 | | | |
| 291.9194 | 29:12 | | | | | | 122 | 305 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:23 | 29:33 | -2 | 0.868 | 2332 | 596 | 51 | 127 | 12 | | |
| 291.9194 | 29:24 | 29:33 | -1 | 0.869 | 3199 | 662 | 122 | 305 | 5 | 0.73(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:53 | -2 | 0.878 | 135119 | 23863 | 51 | 127 | 468 | | |
| 291.9194 | 29:43 | 29:53 | -2 | 0.878 | 168147 | 29675 | 122 | 305 | 243 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:53 | -2 | 0.878 | 135119 | 23863 | 51 | 127 | 468 | | |
| 291.9194 | 29:43 | 29:53 | -2 | 0.878 | 168147 | 29675 | 122 | 305 | 243 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:53 | -2 | 0.878 | 135119 | 23863 | 51 | 127 | 468 | | |
| 291.9194 | 29:43 | 29:53 | -2 | 0.878 | 168147 | 29675 | 122 | 305 | 243 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:53 | -2 | 0.878 | 135119 | 23863 | 51 | 127 | 468 | | |
| 291.9194 | 29:43 | 29:53 | -2 | 0.878 | 168147 | 29675 | 122 | 305 | 243 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | M |
| 289.9224 | 30:03 | 30:03 | -2 | 0.888 | 75537 | 16036 | 51 | 127 | 314 | | M |
| 291.9194 | 30:03 | 30:03 | -2 | 0.888 | 102452 | 21954 | 122 | 305 | 180 | 0.74(0.65-0.89) | M |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:13 | | | | | | 51 | 127 | | | |
| 291.9194 | 30:13 | | | | | | 122 | 305 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:44 | 30:53 | -1 | 0.908 | 20417 | 4219 | 51 | 127 | 83 | | |
| 291.9194 | 30:44 | 30:53 | -1 | 0.908 | 25532 | 6015 | 122 | 305 | 49 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:06 | | | | | | 51 | 127 | | | |
| 291.9194 | 31:06 | | | | | | 122 | 305 | | | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:21 | | | | | | 51 | 127 | | | |
| 291.9194 | 31:21 | | | | | | 122 | 305 | | | |
| PCB-79 | | | | | | | | | | | M |
| 289.9224 | 32:53 | 32:53 | -1 | 0.971 | 5447 | 1532 | 51 | 127 | 30 | | |
| 291.9194 | 32:53 | 32:53 | -1 | 0.971 | 7294 | 1602 | 122 | 305 | 13 | 0.75(0.65-0.89) | M |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:26 | | | | | | 51 | 127 | | | |
| 291.9194 | 33:26 | | | | | | 122 | 305 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:52 | | | | | | 51 | 127 | | | |
| 291.9194 | 33:52 | | | | | | 122 | 305 | | | |
| PCB-77 | | | | | | | | | | | RQM |
| 289.9224 | 34:26 | 34:35 | -1 | 1.001 | 4157 | 806 | 51 | 127 | 16 | | |
| | Empc Correction | | | | 3277 | 554 | 51 | 127 | 11 | | |
| 291.9194 | 34:27 | 34:35 | 0 | 1.001 | 4257 | 720 | 122 | 305 | 6 | 0.98(0.65-0.89) | M |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:52 | 25:49 | -2 | 0.814 | 1712143 | 403608 | 95 | 237 | 4249 | | |
| 339.9178 | 25:52 | 25:49 | -2 | 0.814 | 1083725 | 243482 | 101 | 252 | 2411 | 1.58(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:46 | 31:48 | -1 | | 2002808 | 430774 | 95 | 237 | 4534 | | |
| 339.9178 | 31:47 | 31:48 | -1 | | 1242544 | 266142 | 101 | 252 | 2635 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:28 | 34:38 | -1 | 1.085 | 2134401 | 454950 | 95 | 237 | 4789 | | |
| 339.9178 | 34:28 | 34:38 | -1 | 1.085 | 1333892 | 272205 | 101 | 252 | 2695 | 1.60(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:26 | 36:35 | -1 | 1.147 | 2433232 | 500691 | 1431 | 3577 | 350 | | |
| 339.9178 | 36:25 | 36:35 | -1 | 1.146 | 1530273 | 325532 | 760 | 1900 | 428 | 1.59(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:45 | 36:56 | -1 | 1.157 | 2376993 | 484082 | 1431 | 3577 | 338 | | |
| 339.9178 | 36:45 | 36:56 | -1 | 1.157 | 1452116 | 302743 | 760 | 1900 | 398 | 1.64(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:17 | 37:27 | -1 | 1.174 | 2266418 | 457415 | 1431 | 3577 | 320 | | |
| 339.9178 | 37:17 | 37:27 | -1 | 1.174 | 1418692 | 291342 | 760 | 1900 | 383 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:55 | 38:06 | -1 | 1.194 | 2254844 | 460684 | 1431 | 3577 | 322 | | |
| 339.9178 | 37:55 | 38:06 | -1 | 1.194 | 1444964 | 297714 | 760 | 1900 | 392 | 1.56(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:24 | 39:25 | -1 | | 2799893 | 565636 | 1431 | 3577 | 395 | | |
| 339.9178 | 39:24 | 39:25 | -1 | | 1821827 | 365378 | 760 | 1900 | 481 | 1.54(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:01 | 41:12 | -1 | 1.291 | 2261222 | 447415 | 1431 | 3577 | 313 | | |
| 339.9178 | 41:01 | 41:12 | -1 | 1.291 | 1382745 | 273810 | 760 | 1900 | 360 | 1.64(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | | | | | | 76 | 190 | | | |
| 327.8775 | 25:53 | | | | | | 54 | 135 | | | |
| PCB-96 | | | | | | | | | | | RQ |
| 325.8804 | 26:15 | 26:22 | -2 | 1.015 | 1646 | 404 | 76 | 190 | 5 | | |
| 327.8775 | 26:15 | 26:22 | -2 | 1.015 | 1294 | 346 | 54 | 135 | 6 | 1.27(1.32-1.78) | |
| | Empc Correction | | | | 1061 | 260 | 54 | 135 | 5 | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:12 | 28:19 | -2 | 1.090 | 14194 | 3078 | 76 | 190 | 41 | | |
| 327.8775 | 28:12 | 28:19 | -1 | 1.091 | 9239 | 2005 | 54 | 135 | 37 | 1.54(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:26 | | | | | | 76 | 190 | | | |
| 327.8775 | 28:26 | | | | | | 54 | 135 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:51 | 28:59 | -2 | 1.116 | 191131 | 40741 | 76 | 190 | 536 | | |
| 327.8775 | 28:51 | 28:59 | -2 | 1.116 | 116318 | 26766 | 54 | 135 | 496 | 1.64(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:04 | 29:12 | -2 | 1.124 | 8803 | 1998 | 76 | 190 | 26 | | |
| 327.8775 | 29:04 | 29:12 | -2 | 1.124 | 5955 | 1327 | 54 | 135 | 25 | 1.48(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:04 | 29:12 | -2 | 1.124 | 8803 | 1998 | 76 | 190 | 26 | | |
| 327.8775 | 29:04 | 29:12 | -2 | 1.124 | 5955 | 1327 | 54 | 135 | 25 | 1.48(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:13 | 29:21 | -2 | 1.129 | 9554 | 1323 | 76 | 190 | 17 | | |
| 327.8775 | 29:14 | 29:21 | -1 | 1.130 | 5854 | 922 | 54 | 135 | 17 | 1.63(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:13 | 29:21 | -2 | 1.129 | 9554 | 1323 | 76 | 190 | 17 | | |
| 327.8775 | 29:14 | 29:21 | -1 | 1.130 | 5854 | 922 | 54 | 135 | 17 | 1.63(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:43 | 29:51 | -2 | 1.149 | 54346 | 12111 | 76 | 190 | 159 | | |
| 327.8775 | 29:43 | 29:51 | -2 | 1.149 | 31718 | 7413 | 54 | 135 | 137 | 1.71(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:43 | 29:51 | -2 | 1.149 | 54346 | 12111 | 76 | 190 | 159 | | |
| 327.8775 | 29:43 | 29:51 | -2 | 1.149 | 31718 | 7413 | 54 | 135 | 137 | 1.71(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:56 | 30:04 | -1 | 1.158 | 37133 | 7870 | 76 | 190 | 104 | | |
| 327.8775 | 29:56 | 30:04 | -1 | 1.158 | 26338 | 5685 | 54 | 135 | 105 | 1.41(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:27 | | | | | | 76 | 190 | | | |
| 327.8775 | 30:27 | | | | | | 54 | 135 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:52 | | | | | | 76 | 190 | | | |
| 327.8775 | 30:52 | | | | | | 54 | 135 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:13 | 31:22 | -2 | 0.857 | 70317 | 14860 | 76 | 190 | 196 | | |
| 327.8775 | 31:13 | 31:22 | -2 | 0.857 | 44914 | 9022 | 54 | 135 | 167 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:55 | -1 | 1.229 | 312978 | 64930 | 76 | 190 | 854 | | |
| 327.8775 | 31:48 | 31:55 | -1 | 1.229 | 193442 | 41192 | 54 | 135 | 763 | 1.62(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:55 | -1 | 1.229 | 312978 | 64930 | 76 | 190 | 854 | | |
| 327.8775 | 31:48 | 31:55 | -1 | 1.229 | 193442 | 41192 | 54 | 135 | 763 | 1.62(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:55 | -1 | 1.229 | 312978 | 64930 | 76 | 190 | 854 | | |
| 327.8775 | 31:48 | 31:55 | -1 | 1.229 | 193442 | 41192 | 54 | 135 | 763 | 1.62(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:23 | 32:31 | -2 | 1.252 | 192093 | 36161 | 76 | 190 | 476 | | M |
| 327.8775 | 32:23 | 32:31 | -2 | 1.252 | 120655 | 24794 | 54 | 135 | 459 | 1.59(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:23 | 32:31 | -2 | 1.252 | 192093 | 36161 | 76 | 190 | 476 | | M |
| 327.8775 | 32:23 | 32:31 | -2 | 1.252 | 120655 | 24794 | 54 | 135 | 459 | 1.59(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | | | | | | 76 | 190 | | | |
| 327.8775 | 32:29 | | | | | | 54 | 135 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:53 | 33:00 | -1 | 1.271 | 121368 | 17354 | 76 | 190 | 228 | | M |
| 327.8775 | 32:53 | 33:00 | -1 | 1.271 | 71484 | 9619 | 54 | 135 | 178 | 1.70(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 33:00 | -1 | 1.271 | 121368 | 17354 | 76 | 190 | 228 | | M |
| 327.8775 | 32:53 | 33:00 | -1 | 1.271 | 71484 | 9619 | 54 | 135 | 178 | 1.70(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 33:00 | -1 | 1.271 | 121368 | 17354 | 76 | 190 | 228 | | M |
| 327.8775 | 32:53 | 33:00 | -1 | 1.271 | 71484 | 9619 | 54 | 135 | 178 | 1.70(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 33:00 | -1 | 1.271 | 121368 | 17354 | 76 | 190 | 228 | | M |
| 327.8775 | 32:53 | 33:00 | -1 | 1.271 | 71484 | 9619 | 54 | 135 | 178 | 1.70(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 33:00 | -1 | 1.271 | 121368 | 17354 | 76 | 190 | 228 | | M |
| 327.8775 | 32:53 | 33:00 | -1 | 1.271 | 71484 | 9619 | 54 | 135 | 178 | 1.70(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 33:00 | -1 | 1.271 | 121368 | 17354 | 76 | 190 | 228 | | M |
| 327.8775 | 32:53 | 33:00 | -1 | 1.271 | 71484 | 9619 | 54 | 135 | 178 | 1.70(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:44 | -1 | 1.299 | 27876 | 4662 | 76 | 190 | 61 | | |
| 327.8775 | 33:36 | 33:44 | -1 | 1.299 | 16305 | 2658 | 54 | 135 | 49 | 1.71(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:44 | -1 | 1.299 | 27876 | 4662 | 76 | 190 | 61 | | |
| 327.8775 | 33:36 | 33:44 | -1 | 1.299 | 16305 | 2658 | 54 | 135 | 49 | 1.71(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:44 | -1 | 1.299 | 27876 | 4662 | 76 | 190 | 61 | | |
| 327.8775 | 33:36 | 33:44 | -1 | 1.299 | 16305 | 2658 | 54 | 135 | 49 | 1.71(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:58 | -5 | 1.306 | 303363 | 62797 | 76 | 190 | 826 | | |
| 327.8775 | 33:46 | 33:58 | -5 | 1.306 | 187677 | 38073 | 54 | 135 | 705 | 1.62(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:58 | -5 | 1.306 | 303363 | 62797 | 76 | 190 | 826 | | |
| 327.8775 | 33:46 | 33:58 | -5 | 1.306 | 187677 | 38073 | 54 | 135 | 705 | 1.62(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | RQ |
| 325.8804 | 34:06 | 34:14 | -1 | 1.319 | 13718 | 2427 | 76 | 190 | 32 | | |
| 327.8775 | 34:06 | 34:14 | -1 | 1.319 | 10855 | 1549 | 54 | 135 | 29 | 1.26(1.32-1.78) | |
| | Empc Correction | | | | 8850 | 1565 | 54 | 135 | 29 | | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | | | | | | 76 | 190 | | | |
| 327.8775 | 34:28 | | | | | | 54 | 135 | | | |
| PCB-120 | | | | | | | | | | | M |
| 325.8804 | 34:56 | 34:57 | -1 | 1.351 | 10464 | 1673 | 76 | 190 | 22 | | M |
| 327.8775 | 34:57 | 34:57 | -1 | 1.352 | 6639 | 866 | 54 | 135 | 16 | 1.58(1.32-1.78) | M |
| PCB-108 | | | | | | | | | | | RQ |
| 325.8804 | 36:06 | 36:14 | -1 | 1.396 | 10860 | 1509 | 159 | 397 | 9 | | |
| | Empc Correction | | | | 6007 | 1136 | 159 | 397 | 7 | | |
| 327.8775 | 36:05 | 36:14 | -1 | 1.395 | 3876 | 733 | 89 | 222 | 8 | 2.80(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | RQ |
| 325.8804 | 36:06 | 36:14 | -1 | 1.396 | 10860 | 1509 | 159 | 397 | 9 | | |
| | Empc Correction | | | | 6007 | 1136 | 159 | 397 | 7 | | |
| 327.8775 | 36:05 | 36:14 | -1 | 1.395 | 3876 | 733 | 89 | 222 | 8 | 2.80(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:20 | 36:20 | -1 | 1.405 | 33145 | 6346 | 159 | 397 | 40 | | M |
| 327.8775 | 36:20 | 36:20 | -1 | 1.405 | 22058 | 4030 | 89 | 222 | 45 | 1.50(1.32-1.78) | M |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:25 | 36:25 | -2 | 1.000 | 4220 | 774 | 159 | 397 | 5 | | M |
| 327.8775 | 36:25 | 36:25 | -2 | 1.000 | 2928 | 449 | 89 | 222 | 5 | 1.44(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:34 | | | | | | 159 | 397 | | | |
| 327.8775 | 36:34 | | | | | | 89 | 222 | | | |
| PCB-118 | | | | | | | | | | | M |
| 325.8804 | 36:46 | 36:46 | -1 | 1.001 | 212164 | 41154 | 159 | 397 | 259 | | M |
| 327.8775 | 36:46 | 36:46 | -1 | 1.001 | 133897 | 25575 | 89 | 222 | 287 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:07 | | | | | | 159 | 397 | | | |
| 327.8775 | 37:07 | | | | | | 89 | 222 | | | |
| PCB-114 | | | | | | | | | | | RQM |
| 325.8804 | 37:18 | 37:18 | -1 | 1.000 | 3596 | 707 | 159 | 397 | 4 | | M |
| 327.8775 | 37:19 | 37:18 | -1 | 1.001 | 3483 | 674 | 89 | 222 | 8 | 1.03(1.32-1.78) | M |
| | Empc Correction | | | | 2320 | 456 | 89 | 222 | 5 | | |
| PCB-105 | | | | | | | | | | | M |
| 325.8804 | 37:57 | 37:57 | -1 | 1.001 | 51358 | 9329 | 159 | 397 | 59 | | M |
| 327.8775 | 37:57 | 37:57 | -1 | 1.001 | 31038 | 5844 | 89 | 222 | 66 | 1.65(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:26 | | | | | | 159 | 397 | | | |
| 327.8775 | 39:26 | | | | | | 89 | 222 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:02 | | | | | | 159 | 397 | | | |
| 327.8775 | 41:02 | | | | | | 89 | 222 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:33 | 31:42 | -1 | 0.791 | 1529199 | 321158 | 327 | 817 | 982 | | |
| 373.8788 | 31:33 | 31:42 | -1 | 0.791 | 1156019 | 253402 | 158 | 395 | 1604 | 1.32(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:52 | 39:54 | -1 | | 2010870 | 412755 | 598 | 1495 | 690 | | |
| 373.8788 | 39:52 | 39:54 | -1 | | 1610039 | 334094 | 577 | 1442 | 579 | 1.25(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:53 | 43:05 | -1 | 1.075 | 2003681 | 398796 | 598 | 1495 | 667 | | |
| 373.8788 | 42:53 | 43:05 | -1 | 1.075 | 1580009 | 319905 | 577 | 1442 | 554 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:02 | 44:14 | -1 | 1.104 | 3925875 | 537699 | 598 | 1495 | 899 | | |
| 373.8788 | 44:02 | 44:14 | -1 | 1.104 | 3080337 | 435875 | 577 | 1442 | 755 | 1.27(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:02 | 44:14 | -1 | 1.104 | 3925875 | 537699 | 598 | 1495 | 899 | | |
| 373.8788 | 44:02 | 44:14 | -1 | 1.104 | 3080337 | 435875 | 577 | 1442 | 755 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:17 | 47:28 | 0 | 1.186 | 1981782 | 379104 | 598 | 1495 | 634 | | |
| 373.8788 | 47:17 | 47:28 | 0 | 1.186 | 1558866 | 301020 | 577 | 1442 | 522 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:34 | | | | | | 62 | 155 | | | |
| 361.8385 | 31:34 | | | | | | 65 | 162 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:45 | | | | | | 62 | 155 | | | |
| 361.8385 | 31:45 | | | | | | 65 | 162 | | | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:56 | 32:05 | -1 | 1.012 | 6405 | 1240 | 62 | 155 | 20 | | |
| 361.8385 | 31:56 | 32:05 | -1 | 1.012 | 5405 | 972 | 65 | 162 | 15 | 1.19(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:18 | 32:25 | -1 | 1.023 | 60402 | 12323 | 62 | 155 | 199 | | |
| 361.8385 | 32:18 | 32:25 | -1 | 1.023 | 48197 | 10724 | 65 | 162 | 165 | 1.25(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:35 | | | | | | 62 | 155 | | | |
| 361.8385 | 32:35 | | | | | | 65 | 162 | | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:07 | 34:16 | -1 | 1.081 | 5559 | 1163 | 62 | 155 | 19 | | |
| 361.8385 | 34:07 | 34:16 | -1 | 1.081 | 4464 | 1165 | 65 | 162 | 18 | 1.25(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:41 | 34:50 | -1 | 1.099 | 117138 | 14589 | 62 | 155 | 235 | | |
| 361.8385 | 34:41 | 34:50 | -1 | 1.099 | 90330 | 10974 | 65 | 162 | 169 | 1.30(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:41 | 34:50 | -1 | 1.099 | 117138 | 14589 | 62 | 155 | 235 | | |
| 361.8385 | 34:41 | 34:50 | -1 | 1.099 | 90330 | 10974 | 65 | 162 | 169 | 1.30(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | M |
| 359.8415 | 34:58 | 35:06 | -1 | 1.108 | 26920 | 5011 | 62 | 155 | 81 | | M |
| 361.8385 | 34:58 | 35:06 | -1 | 1.108 | 21570 | 4490 | 65 | 162 | 69 | 1.25(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | M |
| 359.8415 | 35:16 | 35:25 | -1 | 1.118 | 11646 | 2263 | 62 | 155 | 37 | | M |
| 361.8385 | 35:16 | 35:25 | -1 | 1.117 | 9053 | 1728 | 65 | 162 | 27 | 1.29(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:38 | 35:46 | -1 | 1.129 | 362801 | 76358 | 111 | 277 | 688 | | |
| 361.8385 | 35:38 | 35:46 | -1 | 1.129 | 293049 | 61835 | 76 | 190 | 814 | 1.24(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:38 | 35:46 | -1 | 1.129 | 362801 | 76358 | 111 | 277 | 688 | | |
| 361.8385 | 35:38 | 35:46 | -1 | 1.129 | 293049 | 61835 | 76 | 190 | 814 | 1.24(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | RQa |
| 359.8415 | 35:50 | 35:50 | -7 | 1.136 | 17579 | 3329 | 111 | 277 | 30 | | a |
| | Empc Correction | | | | 14307 | 2499 | 111 | 277 | 23 | | |
| 361.8385 | 35:49 | 35:50 | -8 | 1.135 | 11538 | 2016 | 76 | 190 | 27 | 1.52(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | RQa |
| 359.8415 | 35:50 | 35:50 | -7 | 1.136 | 17579 | 3329 | 111 | 277 | 30 | | a |
| | Empc Correction | | | | 14307 | 2499 | 111 | 277 | 23 | | |
| 361.8385 | 35:49 | 35:50 | -8 | 1.135 | 11538 | 2016 | 76 | 190 | 27 | 1.52(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | RQ |
| 359.8415 | 36:14 | 36:23 | -1 | 1.148 | 12517 | 2230 | 111 | 277 | 20 | | |
| | Empc Correction | | | | 9489 | 1742 | 111 | 277 | 16 | | |
| 361.8385 | 36:15 | 36:23 | 0 | 1.149 | 7653 | 1405 | 76 | 190 | 18 | 1.64(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-140 (C139) | | | | | | | | | | | RQ |
| 359.8415 | 36:14 | 36:23 | -1 | 1.148 | 12517 | 2230 | 111 | 277 | 20 | | |
| | Empc Correction | | | | 9489 | 1742 | 111 | 277 | 16 | | |
| 361.8385 | 36:15 | 36:23 | 0 | 1.149 | 7653 | 1405 | 76 | 190 | 18 | 1.64(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:26 | 36:34 | -1 | 1.155 | 3820 | 748 | 111 | 277 | 7 | | |
| 361.8385 | 36:25 | 36:34 | -1 | 1.154 | 3635 | 712 | 76 | 190 | 9 | 1.05(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:34 | | | | | | 111 | 277 | | | |
| 361.8385 | 36:34 | | | | | | 76 | 190 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:53 | 37:02 | -1 | 1.169 | 87278 | 17316 | 111 | 277 | 156 | | |
| 361.8385 | 36:53 | 37:02 | -1 | 1.169 | 67423 | 13742 | 76 | 190 | 181 | 1.29(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:23 | 37:33 | -1 | 1.185 | 17437 | 3197 | 111 | 277 | 29 | | |
| 361.8385 | 37:24 | 37:33 | -1 | 1.185 | 13393 | 2820 | 76 | 190 | 37 | 1.30(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:48 | | | | | | 111 | 277 | | | |
| 361.8385 | 37:48 | | | | | | 76 | 190 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:03 | 38:12 | -1 | 0.887 | 127196 | 25383 | 111 | 277 | 229 | | |
| 361.8385 | 38:03 | 38:12 | -1 | 0.887 | 98364 | 20007 | 76 | 190 | 263 | 1.29(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:11 | | | | | | 111 | 277 | | | |
| 361.8385 | 38:11 | | | | | | 76 | 190 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:39 | 38:52 | -3 | 0.901 | 413938 | 85601 | 111 | 277 | 771 | | |
| 361.8385 | 38:39 | 38:52 | -3 | 0.901 | 341264 | 70083 | 76 | 190 | 922 | 1.21(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:39 | 38:52 | -3 | 0.901 | 413938 | 85601 | 111 | 277 | 771 | | |
| 361.8385 | 38:39 | 38:52 | -3 | 0.901 | 341264 | 70083 | 76 | 190 | 922 | 1.21(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:51 | 39:01 | -1 | 0.906 | 48663 | 9128 | 111 | 277 | 82 | | |
| 361.8385 | 38:51 | 39:01 | -1 | 0.906 | 36267 | 7300 | 76 | 190 | 96 | 1.34(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:16 | 39:15 | -1 | 0.915 | 20209 | 3554 | 111 | 277 | 32 | | |
| 361.8385 | 39:16 | 39:15 | -1 | 0.916 | 15824 | 2916 | 76 | 190 | 38 | 1.28(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:29 | 39:28 | -1 | 0.921 | 8297 | 1833 | 111 | 277 | 17 | | |
| 361.8385 | 39:29 | 39:28 | -1 | 0.921 | 6451 | 1202 | 76 | 190 | 16 | 1.29(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:36 | 39:47 | -1 | 0.923 | 32193 | 6423 | 111 | 277 | 58 | | |
| 361.8385 | 39:36 | 39:47 | -1 | 0.923 | 25732 | 4925 | 76 | 190 | 65 | 1.25(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:06 | -1 | 0.931 | 317901 | 59012 | 111 | 277 | 532 | | |
| 361.8385 | 39:55 | 40:06 | -1 | 0.931 | 249282 | 46399 | 76 | 190 | 611 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:06 | -1 | 0.931 | 317901 | 59012 | 111 | 277 | 532 | | |
| 361.8385 | 39:55 | 40:06 | -1 | 0.931 | 249282 | 46399 | 76 | 190 | 611 | 1.28(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:06 | -1 | 0.931 | 317901 | 59012 | 111 | 277 | 532 | | |
| 361.8385 | 39:55 | 40:06 | -1 | 0.931 | 249282 | 46399 | 76 | 190 | 611 | 1.28(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 40:06 | -1 | 0.931 | 317901 | 59012 | 111 | 277 | 532 | | |
| 361.8385 | 39:55 | 40:06 | -1 | 0.931 | 249282 | 46399 | 76 | 190 | 611 | 1.28(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:18 | 40:17 | -1 | 0.940 | 35579 | 5280 | 111 | 277 | 48 | | |
| 361.8385 | 40:18 | 40:17 | -1 | 0.940 | 27558 | 4432 | 76 | 190 | 58 | 1.29(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:09 | 41:19 | 0 | 0.960 | 42059 | 6445 | 111 | 277 | 58 | | |
| 361.8385 | 41:09 | 41:19 | 0 | 0.960 | 36095 | 5724 | 76 | 190 | 75 | 1.17(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:09 | 41:19 | 0 | 0.960 | 42059 | 6445 | 111 | 277 | 58 | | |
| 361.8385 | 41:09 | 41:19 | 0 | 0.960 | 36095 | 5724 | 76 | 190 | 75 | 1.17(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | RQM |
| 359.8415 | 42:07 | 42:07 | -2 | 0.982 | 6269 | 1028 | 111 | 277 | 9 | | M |
| | Empc Correction | | | | 4857 | 1091 | 111 | 277 | 10 | | |
| 361.8385 | 42:08 | 42:07 | -1 | 0.983 | 3917 | 880 | 76 | 190 | 12 | 1.60(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:26 | | | | | | 111 | 277 | | | |
| 361.8385 | 42:26 | | | | | | 76 | 190 | | | |
| PCB-167 | | | | | | | | | | | M |
| 359.8415 | 42:54 | 42:54 | -2 | 1.000 | 10186 | 1930 | 111 | 277 | 17 | | M |
| 361.8385 | 42:55 | 42:54 | -1 | 1.001 | 8980 | 1666 | 76 | 190 | 22 | 1.13(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | M |
| 359.8415 | 44:02 | 44:02 | -2 | 1.000 | 29287 | 5031 | 111 | 277 | 45 | | M |
| 361.8385 | 44:03 | 44:02 | -1 | 1.000 | 22887 | 4415 | 76 | 190 | 58 | 1.28(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | M |
| 359.8415 | 44:02 | 44:02 | -2 | 1.000 | 29287 | 5031 | 111 | 277 | 45 | | M |
| 361.8385 | 44:03 | 44:02 | -1 | 1.000 | 22887 | 4415 | 76 | 190 | 58 | 1.28(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:18 | | | | | | 111 | 277 | | | |
| 361.8385 | 47:18 | | | | | | 76 | 190 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:17 | 37:26 | -1 | 0.821 | 1699256 | 340591 | 159 | 397 | 2142 | | |
| 407.8398 | 37:17 | 37:26 | -1 | 0.821 | 1609514 | 324957 | 257 | 642 | 1264 | 1.06(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:20 | 40:30 | -1 | 0.888 | 1396102 | 273718 | 159 | 397 | 1721 | | |
| 407.8398 | 40:20 | 40:30 | -1 | 0.888 | 1272180 | 249614 | 257 | 642 | 971 | 1.10(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:26 | 45:27 | -1 | | 1576614 | 311961 | 159 | 397 | 1962 | | |
| 407.8398 | 45:26 | 45:27 | -1 | | 1459079 | 287293 | 257 | 642 | 1118 | 1.08(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:41 | 46:52 | -1 | 1.028 | 1086920 | 213992 | 159 | 397 | 1346 | | |
| 407.8398 | 46:41 | 46:52 | -1 | 1.028 | 1013632 | 195233 | 257 | 642 | 760 | 1.07(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:48 | 50:00 | -1 | 1.096 | 1540745 | 317127 | 1207 | 3017 | 263 | | |
| 407.8398 | 49:48 | 50:00 | -1 | 1.096 | 1502628 | 312605 | 891 | 2227 | 351 | 1.03(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:19 | 37:21 | -1 | 1.001 | 1922 | 419 | 70 | 175 | 6 | | |
| 395.7995 | 37:19 | 37:21 | -1 | 1.001 | 1645 | 333 | 58 | 145 | 6 | 1.17(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:38 | 37:48 | -1 | 1.009 | 59670 | 11656 | 70 | 175 | 167 | | |
| 395.7995 | 37:38 | 37:48 | -1 | 1.009 | 58392 | 11532 | 58 | 145 | 199 | 1.02(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:10 | | | | | | 70 | 175 | | | |
| 395.7995 | 38:10 | | | | | | 58 | 145 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:32 | 38:40 | -1 | 1.033 | 15261 | 3162 | 70 | 175 | 45 | | |
| 395.7995 | 38:31 | 38:40 | -1 | 1.033 | 16412 | 2908 | 58 | 145 | 50 | 0.93(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:58 | | | | | | 70 | 175 | | | |
| 395.7995 | 38:58 | | | | | | 58 | 145 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:21 | 40:31 | -1 | 1.082 | 23693 | 4562 | 70 | 175 | 65 | | |
| 395.7995 | 40:22 | 40:31 | 0 | 1.083 | 24509 | 5199 | 58 | 145 | 90 | 0.97(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:00 | 41:09 | 0 | 1.100 | 5984 | 1262 | 70 | 175 | 18 | | |
| 395.7995 | 40:58 | 41:09 | -2 | 1.099 | 6325 | 980 | 58 | 145 | 17 | 0.95(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:16 | 41:26 | 0 | 1.107 | 133178 | 26002 | 70 | 175 | 371 | | |
| 395.7995 | 41:16 | 41:26 | 0 | 1.107 | 125830 | 26146 | 58 | 145 | 451 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:29 | 41:38 | 0 | 1.113 | 2566 | 690 | 70 | 175 | 10 | | |
| 395.7995 | 41:26 | 41:38 | -4 | 1.111 | 2820 | 453 | 58 | 145 | 8 | 0.91(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:53 | 42:03 | -1 | 1.123 | 60277 | 10225 | 70 | 175 | 146 | | |
| 395.7995 | 41:53 | 42:03 | 0 | 1.124 | 59054 | 9956 | 58 | 145 | 172 | 1.02(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:53 | 42:03 | -1 | 1.123 | 60277 | 10225 | 70 | 175 | 146 | | |
| 395.7995 | 41:53 | 42:03 | 0 | 1.124 | 59054 | 9956 | 58 | 145 | 172 | 1.02(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:07 | 42:17 | -1 | 1.130 | 79126 | 15313 | 70 | 175 | 219 | | |
| 395.7995 | 42:07 | 42:17 | -1 | 1.129 | 73646 | 14225 | 58 | 145 | 245 | 1.07(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:33 | 42:43 | 0 | 1.141 | 54585 | 11308 | 70 | 175 | 162 | | |
| 395.7995 | 42:33 | 42:43 | 0 | 1.141 | 52118 | 9540 | 58 | 145 | 164 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:57 | | | | | | 70 | 175 | | | |
| 395.7995 | 42:57 | | | | | | 58 | 145 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:21 | 0 | 1.158 | 24768 | 4482 | 70 | 175 | 64 | | |
| 395.7995 | 43:11 | 43:21 | 0 | 1.158 | 22571 | 4496 | 58 | 145 | 78 | 1.10(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:21 | 0 | 1.158 | 24768 | 4482 | 70 | 175 | 64 | | |
| 395.7995 | 43:11 | 43:21 | 0 | 1.158 | 22571 | 4496 | 58 | 145 | 78 | 1.10(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:48 | 44:58 | -1 | 0.900 | 15467 | 2522 | 70 | 175 | 36 | | |
| 395.7995 | 44:48 | 44:58 | -1 | 0.900 | 14346 | 2744 | 58 | 145 | 47 | 1.08(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:05 | | | | | | 70 | 175 | | | |
| 395.7995 | 45:05 | | | | | | 58 | 145 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:28 | 45:30 | 2 | 0.913 | 193797 | 35914 | 70 | 175 | 513 | | |
| 395.7995 | 45:28 | 45:30 | 2 | 0.913 | 183946 | 35028 | 58 | 145 | 604 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:28 | 45:30 | 2 | 0.913 | 193797 | 35914 | 70 | 175 | 513 | | |
| 395.7995 | 45:28 | 45:30 | 2 | 0.913 | 183946 | 35028 | 58 | 145 | 604 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:49 | 45:59 | -1 | 0.920 | 7487 | 1023 | 70 | 175 | 15 | | |
| 395.7995 | 45:49 | 45:59 | -1 | 0.920 | 7628 | 1016 | 58 | 145 | 18 | 0.98(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:43 | 46:52 | 0 | 0.938 | 70168 | 13154 | 70 | 175 | 188 | | |
| 395.7995 | 46:43 | 46:52 | 0 | 0.938 | 65403 | 12446 | 58 | 145 | 215 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:13 | 47:24 | -1 | 0.948 | 22882 | 4008 | 70 | 175 | 57 | | |
| 395.7995 | 47:14 | 47:24 | 0 | 0.948 | 23608 | 4053 | 58 | 145 | 70 | 0.97(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | RQM |
| 393.8025 | 49:52 | 49:49 | 1 | 1.001 | 5033 | 764 | 114 | 285 | 7 | | M |
| | Empc Correction | | | | 3866 | 749 | 114 | 285 | 7 | | |
| 395.7995 | 49:51 | 49:49 | 1 | 1.001 | 3682 | 714 | 78 | 195 | 9 | 1.37(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:40 | 42:49 | -1 | 0.822 | 1384763 | 272457 | 339 | 847 | 804 | | |
| 441.8008 | 42:40 | 42:49 | -1 | 0.822 | 1470209 | 294766 | 178 | 445 | 1656 | 0.94(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:55 | 51:56 | -1 | | 1310583 | 264716 | 1012 | 2530 | 262 | | |
| 441.8008 | 51:55 | 51:56 | -1 | | 1452994 | 283415 | 939 | 2347 | 302 | 0.90(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:35 | -1 | 1.009 | 1477652 | 287711 | 1012 | 2530 | 284 | | |
| 441.8008 | 52:23 | 52:35 | -1 | 1.009 | 1681208 | 332299 | 939 | 2347 | 354 | 0.88(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | RQM |
| 427.7635 | 42:41 | 42:41 | 0 | 1.001 | 15116 | 2372 | 84 | 210 | 28 | | M |
| | Empc Correction | | | | 11164 | 1901 | 84 | 210 | 23 | | |
| 429.7606 | 42:42 | 42:41 | 0 | 1.001 | 12544 | 2137 | 72 | 180 | 30 | 1.21(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-201 | | | | | | | | | | | RQM |
| 427.7635 | 43:36 | 43:37 | -1 | 1.022 | 8925 | 1202 | 84 | 210 | 14 | | M |
| | Empc Correction | | | | 6160 | 1068 | 84 | 210 | 13 | | |
| 429.7606 | 43:37 | 43:37 | 0 | 1.022 | 6922 | 1201 | 72 | 180 | 17 | 1.29(0.76-1.02) | M |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:17 | | | | | | 84 | 210 | | | |
| 429.7606 | 44:17 | | | | | | 72 | 180 | | | |
| PCB-197 | | | | | | | | | | | RQMa |
| 427.7635 | 44:33 | 44:33 | 2 | 1.044 | 4377 | 682 | 84 | 210 | 8 | | M |
| | Empc Correction | | | | 2715 | 551 | 84 | 210 | 7 | | |
| 429.7606 | 44:32 | 44:33 | 0 | 1.044 | 3051 | 620 | 72 | 180 | 9 | 1.43(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | M |
| 427.7635 | 44:37 | 44:37 | 0 | 1.046 | 8712 | 1615 | 84 | 210 | 19 | | M |
| 429.7606 | 44:37 | 44:37 | -1 | 1.046 | 8614 | 1406 | 72 | 180 | 20 | 1.01(0.76-1.02) | M |
| PCB-198 | | | | | | | | | | | M |
| 427.7635 | 47:26 | 47:26 | 1 | 1.112 | 40856 | 6926 | 84 | 210 | 82 | | M |
| 429.7606 | 47:26 | 47:26 | 1 | 1.112 | 41920 | 7899 | 72 | 180 | 110 | 0.97(0.76-1.02) | M |
| PCB-199 (C198) | | | | | | | | | | | M |
| 427.7635 | 47:26 | 47:26 | 1 | 1.112 | 40856 | 6926 | 84 | 210 | 82 | | M |
| 429.7606 | 47:26 | 47:26 | 1 | 1.112 | 41920 | 7899 | 72 | 180 | 110 | 0.97(0.76-1.02) | M |
| PCB-196 | | | | | | | | | | | RQM |
| 427.7635 | 48:04 | 48:05 | -1 | 0.918 | 25436 | 3965 | 84 | 210 | 47 | | |
| | Empc Correction | | | | 17645 | 3034 | 84 | 210 | 36 | | |
| 429.7606 | 48:05 | 48:05 | 0 | 0.918 | 19826 | 3410 | 72 | 180 | 47 | 1.28(0.76-1.02) | M |
| PCB-203 | | | | | | | | | | | M |
| 427.7635 | 48:17 | 48:16 | 0 | 0.922 | 26648 | 4542 | 84 | 210 | 54 | | |
| 429.7606 | 48:16 | 48:16 | -1 | 0.921 | 28207 | 5609 | 72 | 180 | 78 | 0.94(0.76-1.02) | M |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:35 | 49:46 | -1 | 0.947 | 9555 | 2154 | 215 | 537 | 10 | | |
| 429.7606 | 49:35 | 49:46 | -1 | 0.947 | 12192 | 2330 | 136 | 340 | 17 | 0.78(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:57 | 52:08 | -1 | 0.991 | 27895 | 6389 | 215 | 537 | 30 | | |
| 429.7606 | 51:57 | 52:08 | -1 | 0.991 | 36784 | 7276 | 136 | 340 | 54 | 0.76(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:25 | | | | | | 215 | 537 | | | |
| 429.7606 | 52:25 | | | | | | 136 | 340 | | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:21 | 49:32 | -1 | 0.950 | 1265665 | 257194 | 990 | 2475 | 260 | | |
| 475.7619 | 49:20 | 49:32 | -2 | 0.950 | 1537346 | 304218 | 1117 | 2792 | 272 | 0.82(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:09 | 54:21 | -1 | 1.043 | 855947 | 166952 | 990 | 2475 | 169 | | |
| 475.7619 | 54:09 | 54:21 | -1 | 1.043 | 1083870 | 213359 | 1117 | 2792 | 191 | 0.79(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | M |
| 461.7246 | 49:22 | 49:21 | -1 | 1.000 | 7571 | 1656 | 161 | 402 | 10 | | M |
| 463.7216 | 49:22 | 49:21 | -1 | 1.000 | 11058 | 2324 | 231 | 577 | 10 | 0.68(0.65-0.89) | M |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:18 | | | | | | 161 | 402 | | | |
| 463.7216 | 50:18 | | | | | | 231 | 577 | | | |
| PCB-206 | | | | | | | | | | | M |
| 461.7246 | 54:11 | 54:08 | 0 | 1.001 | 17375 | 3390 | 161 | 402 | 21 | | M |
| 463.7216 | 54:10 | 54:08 | -1 | 1.000 | 22291 | 4435 | 231 | 577 | 19 | 0.78(0.65-0.89) | M |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:47 | 55:59 | -1 | 1.075 | 1007733 | 180474 | 459 | 1147 | 393 | | |
| 509.7229 | 55:47 | 55:59 | -1 | 1.075 | 1388457 | 249211 | 162 | 405 | 1538 | 0.73(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:49 | 56:00 | -1 | 1.000 | 31175 | 6127 | 46 | 115 | 133 | | |
| 497.6826 | 55:49 | 56:00 | -1 | 1.000 | 46044 | 8599 | 35 | 87 | 246 | 0.68(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

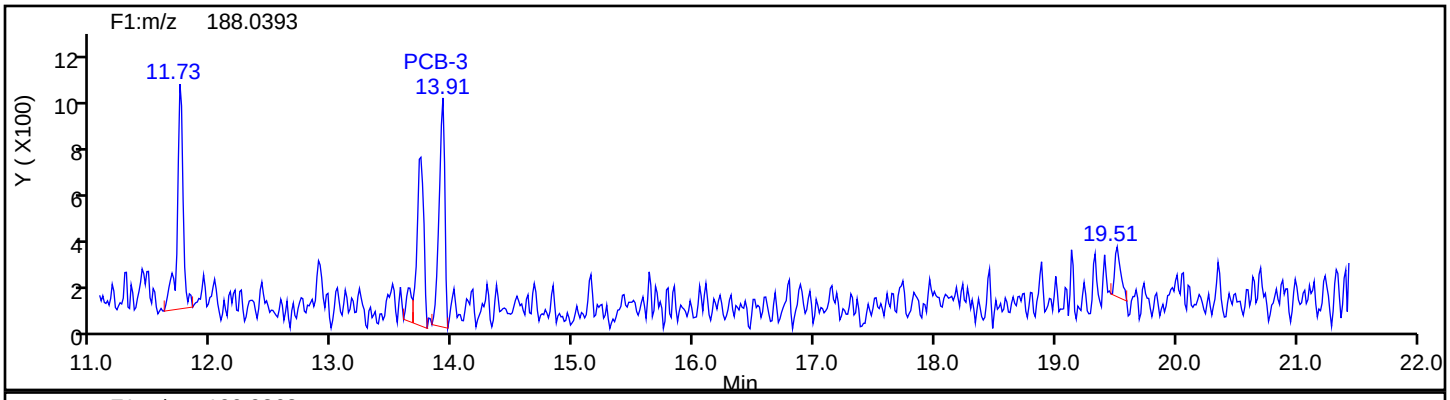
a - User Assigned ID

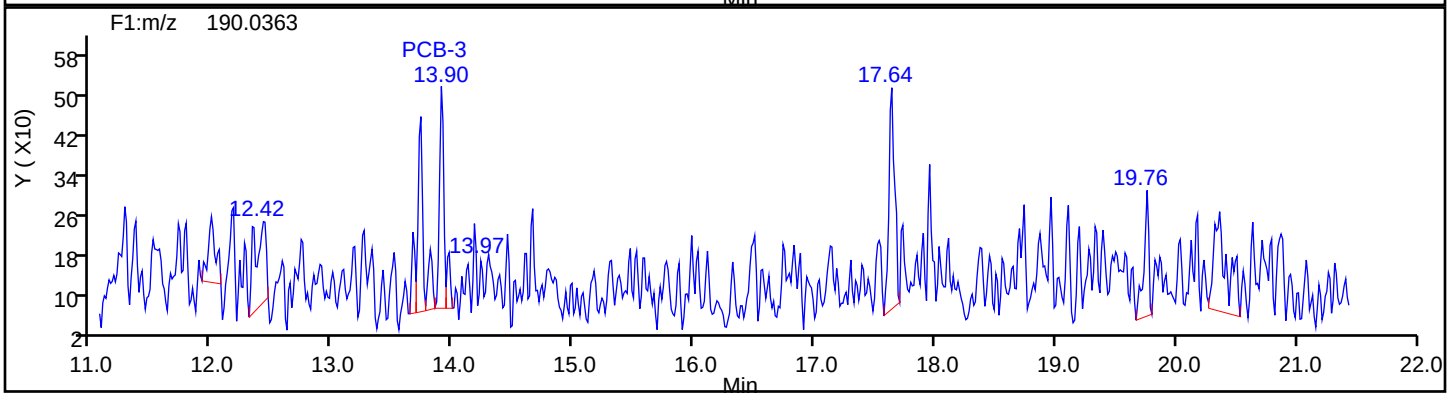
Report Date: 10-Oct-2019 09:06:12 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

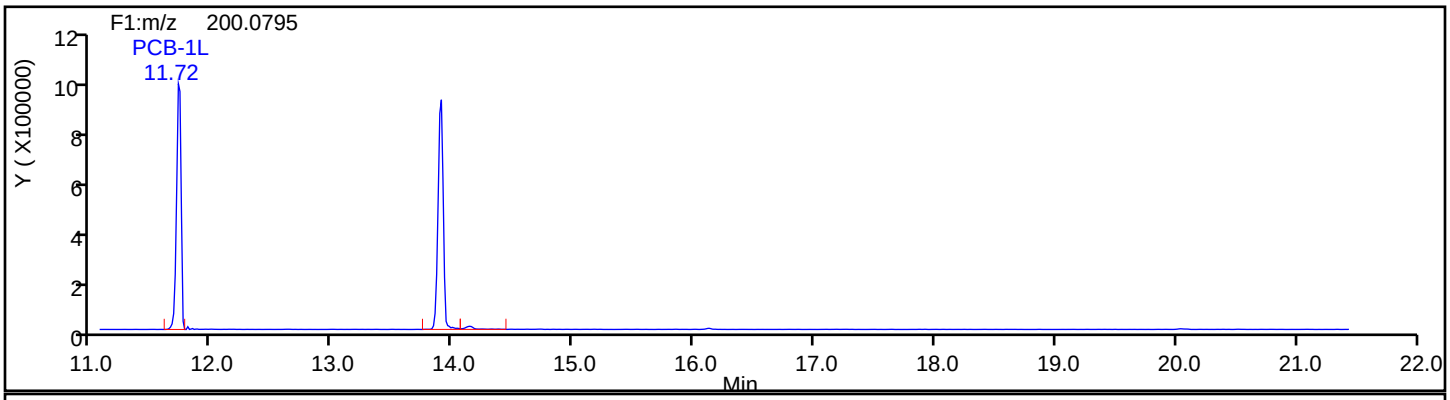
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

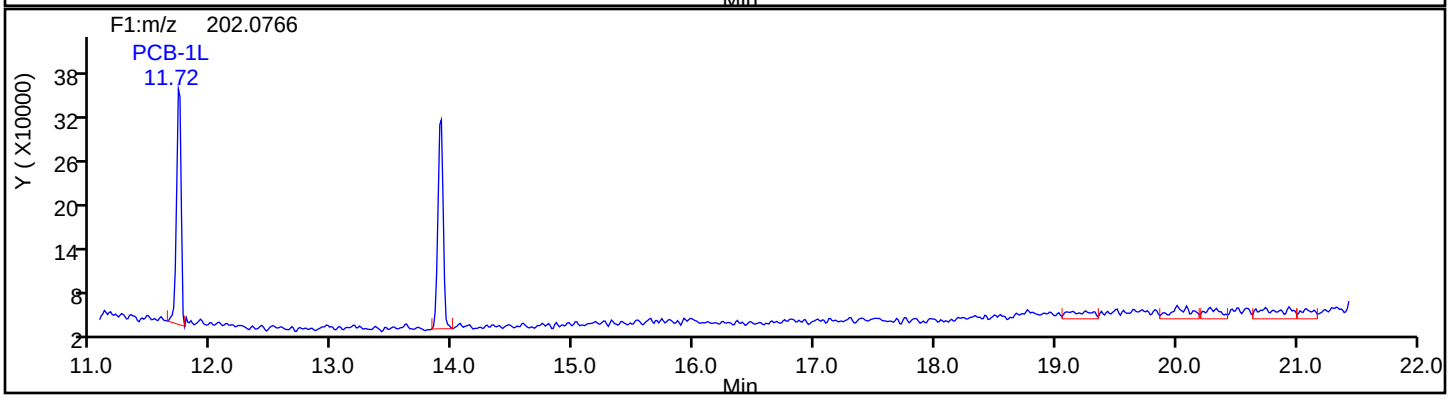
MoPCB F1




MoPCB F1 Standards

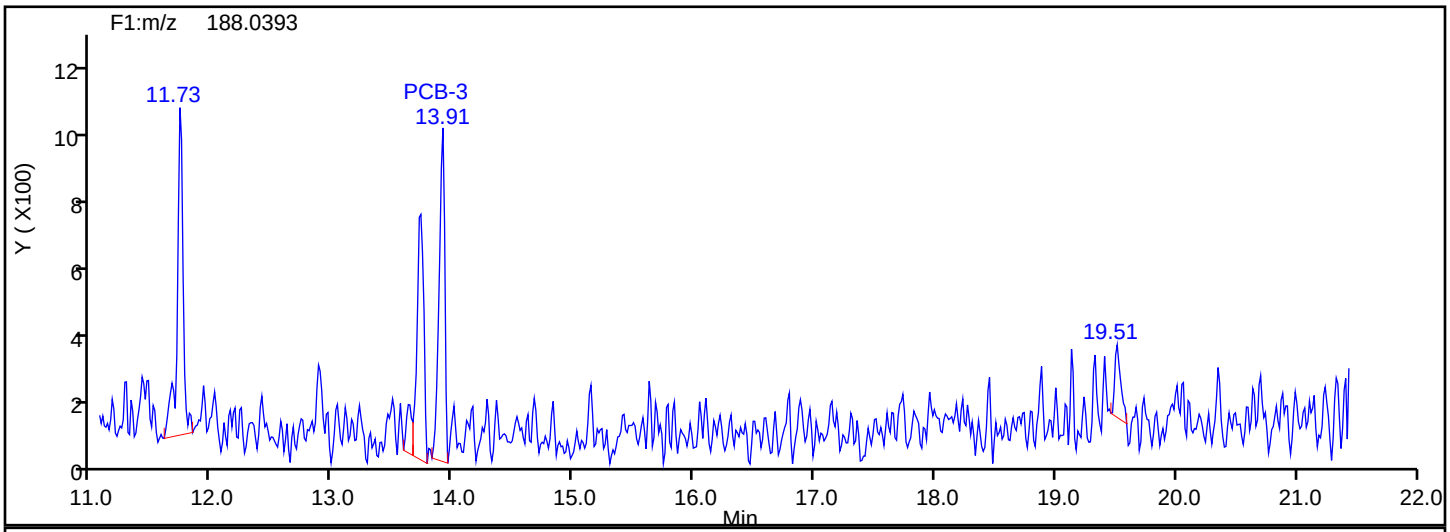


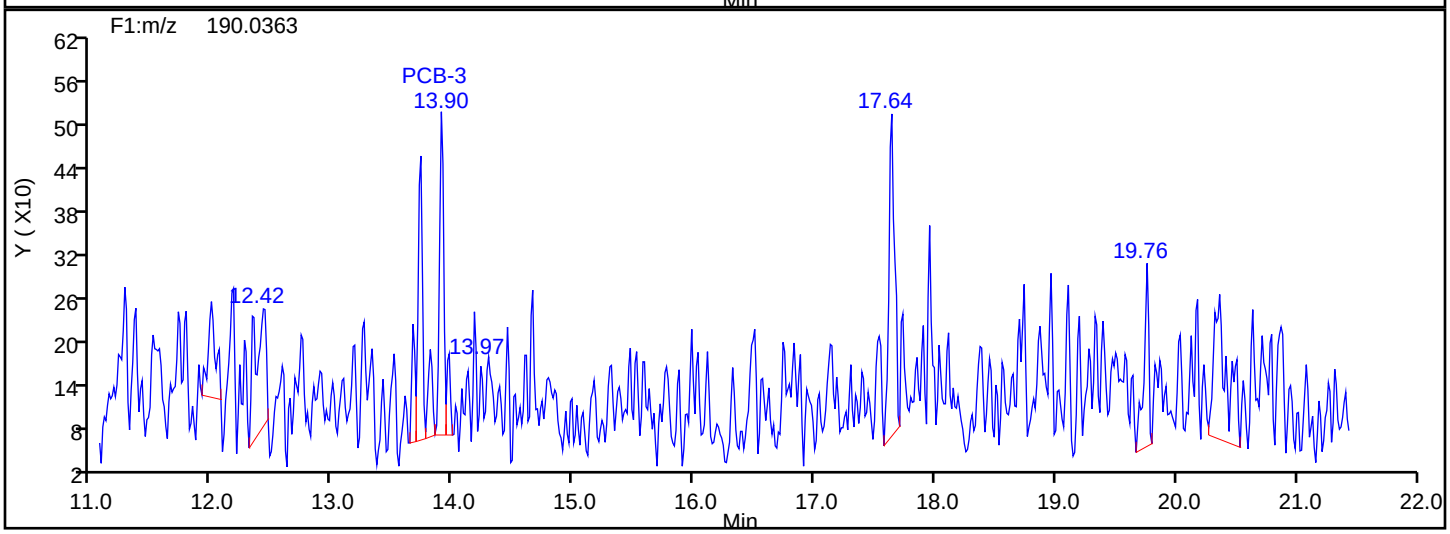



Eurofins TestAmerica, Knoxville

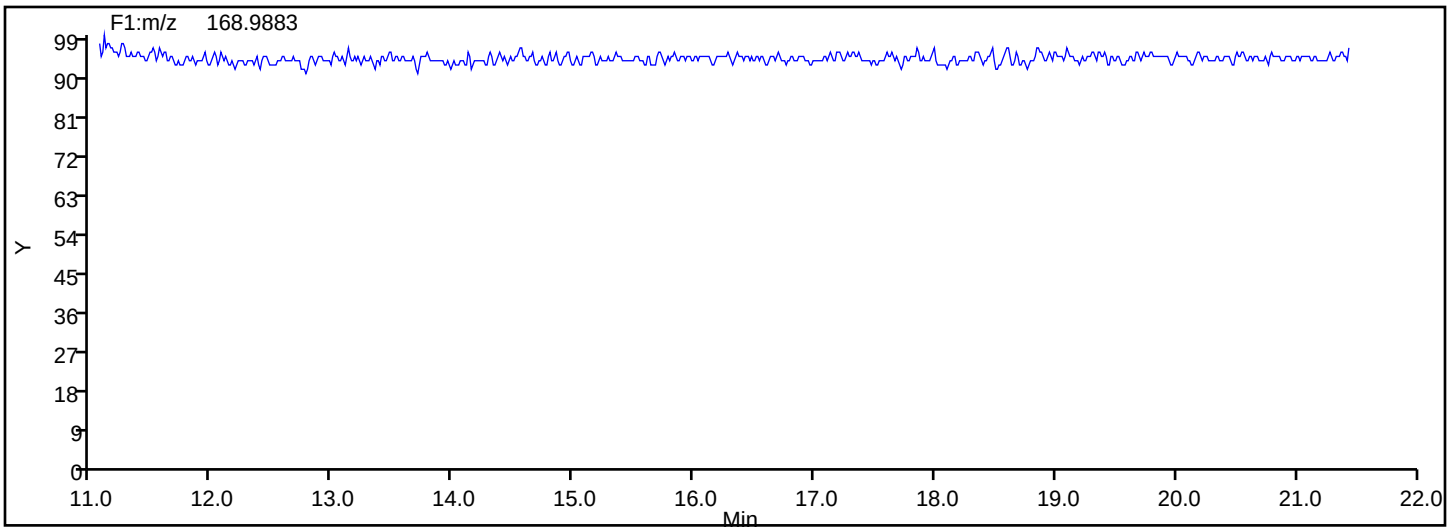
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

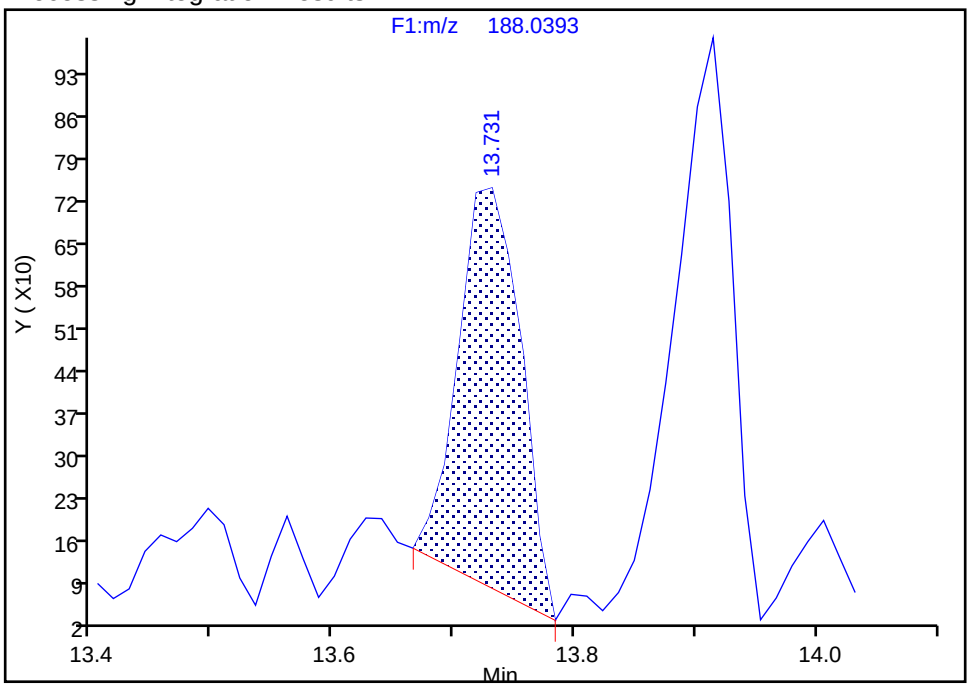
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 1

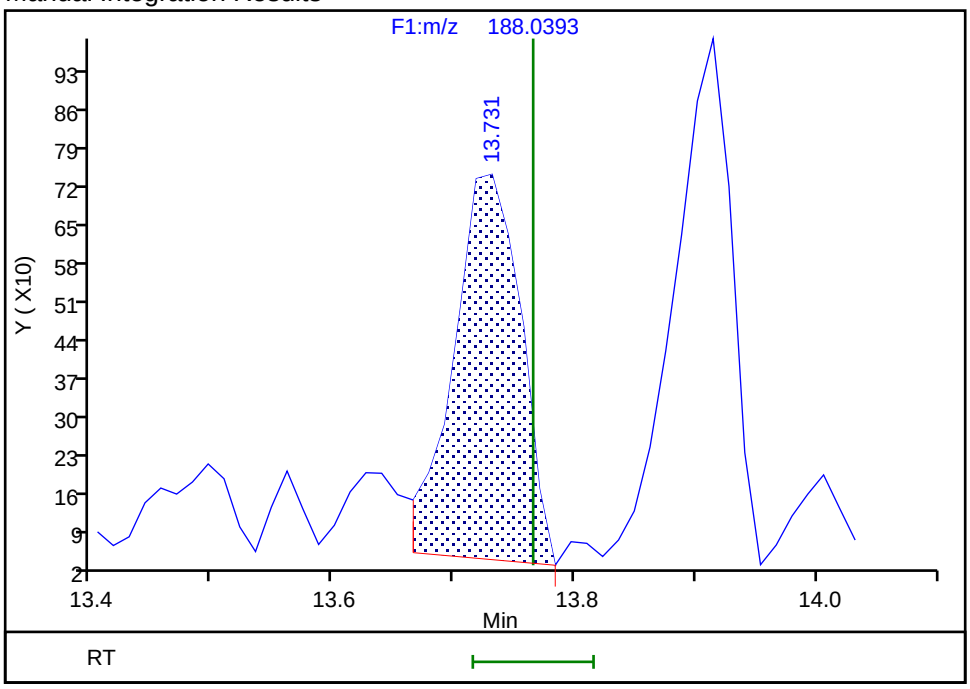
Processing Integration Results

RT: 13.73
Area: 2371
Amount: 0.093823
Amount Units: pg/ul




Manual Integration Results

RT: 13.73
Area: 2710
Amount: 0.087249
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:53:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

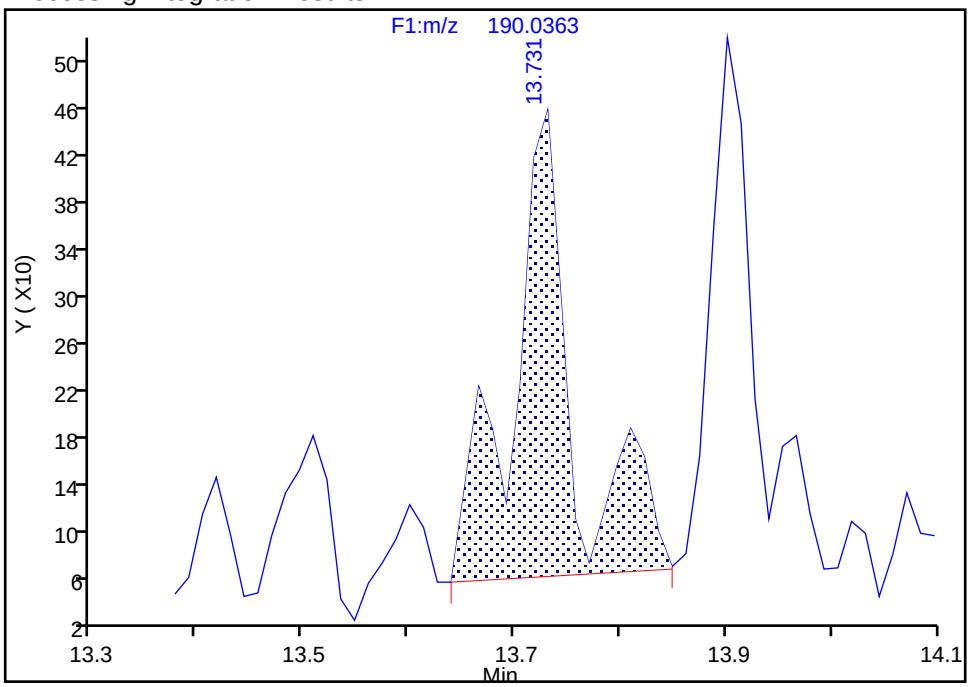
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 2

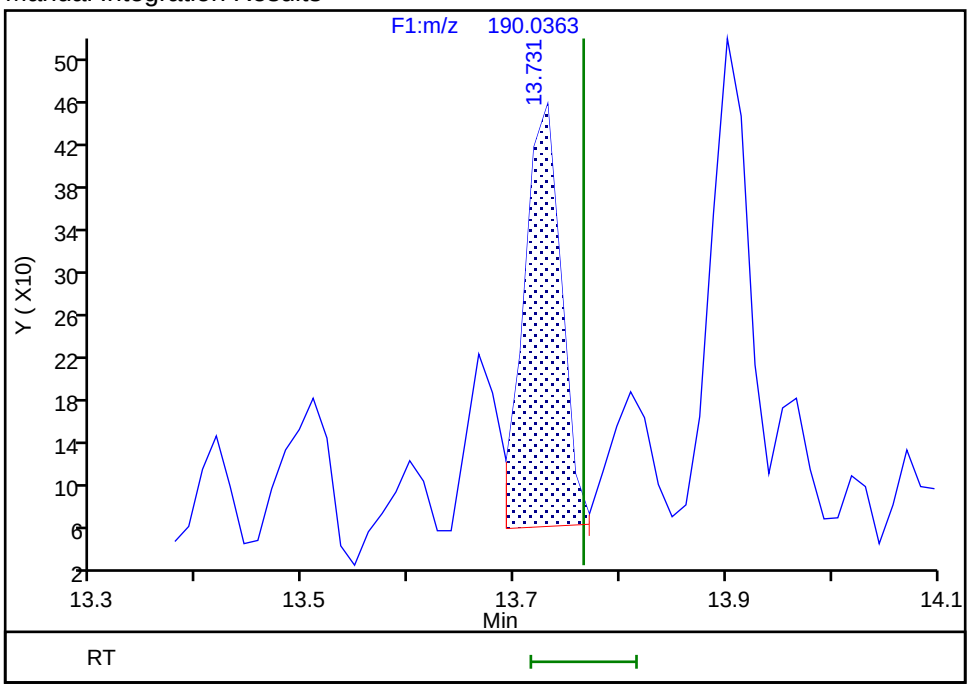
Processing Integration Results

RT: 13.73
Area: 1568
Amount: 0.093823
Amount Units: pg/ul




Manual Integration Results

RT: 13.73
Area: 953
Amount: 0.087249
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:53:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

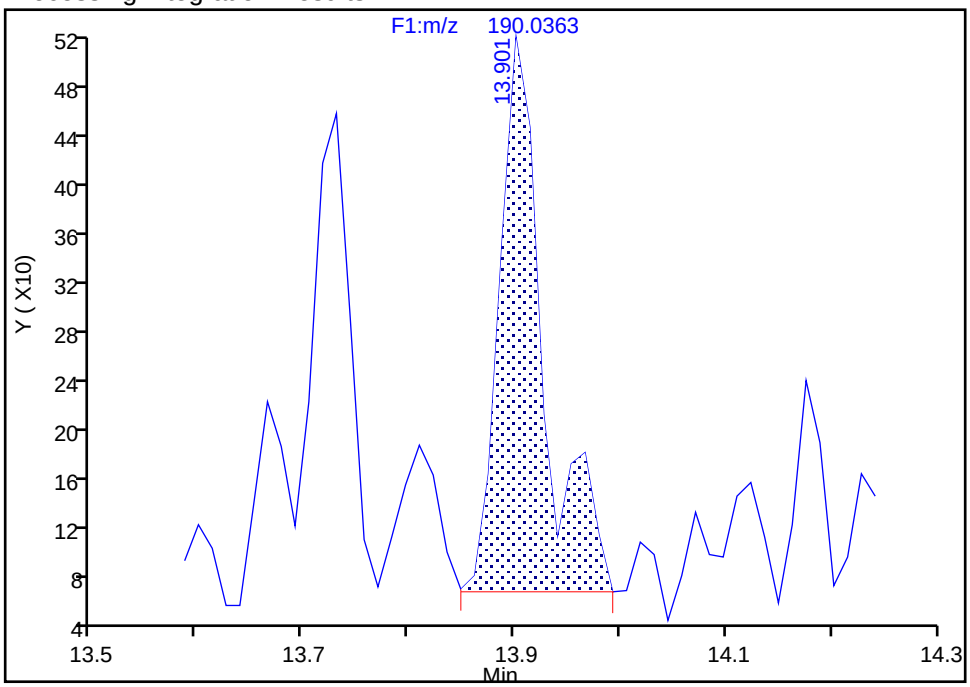
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3, CAS: 2051-62-9

Signal: 2

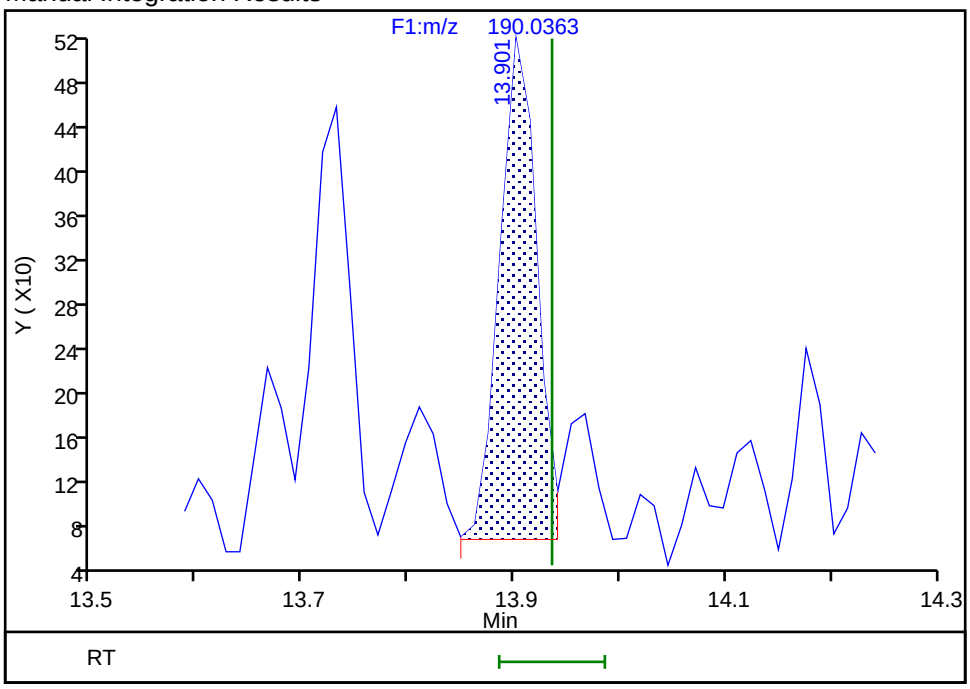
Processing Integration Results

RT: 13.90
Area: 1301
Amount: 0.101086
Amount Units: pg/ul




Manual Integration Results

RT: 13.90
Area: 1080
Amount: 0.096043
Amount Units: pg/ul



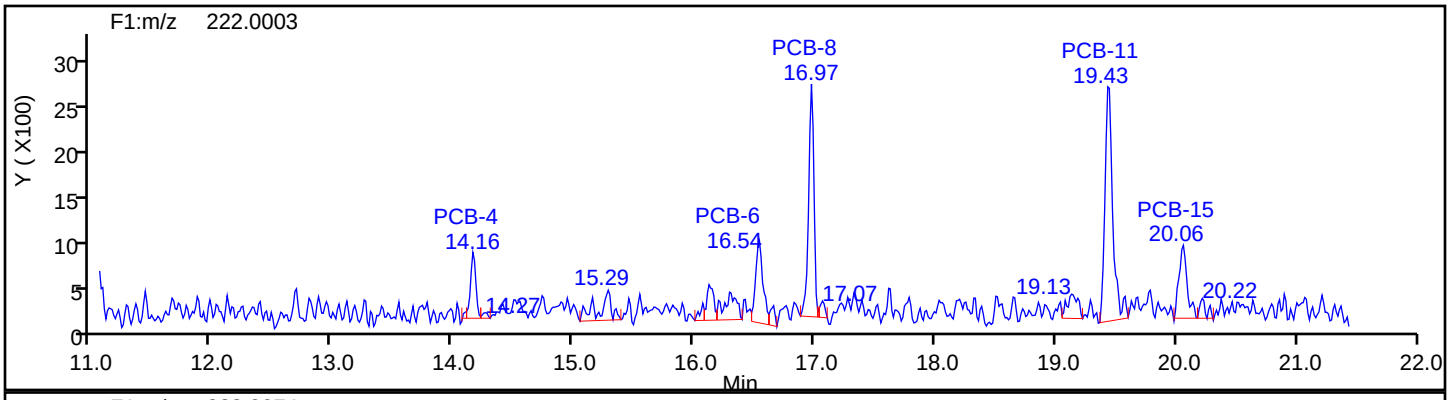

Reviewer: davidsonm, 10-Oct-2019 08:53:43

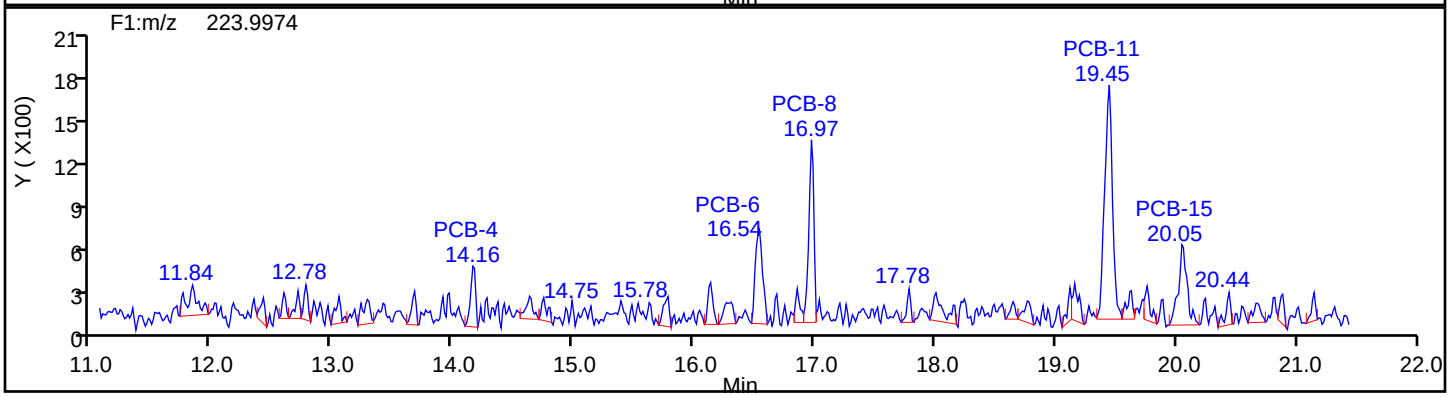
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

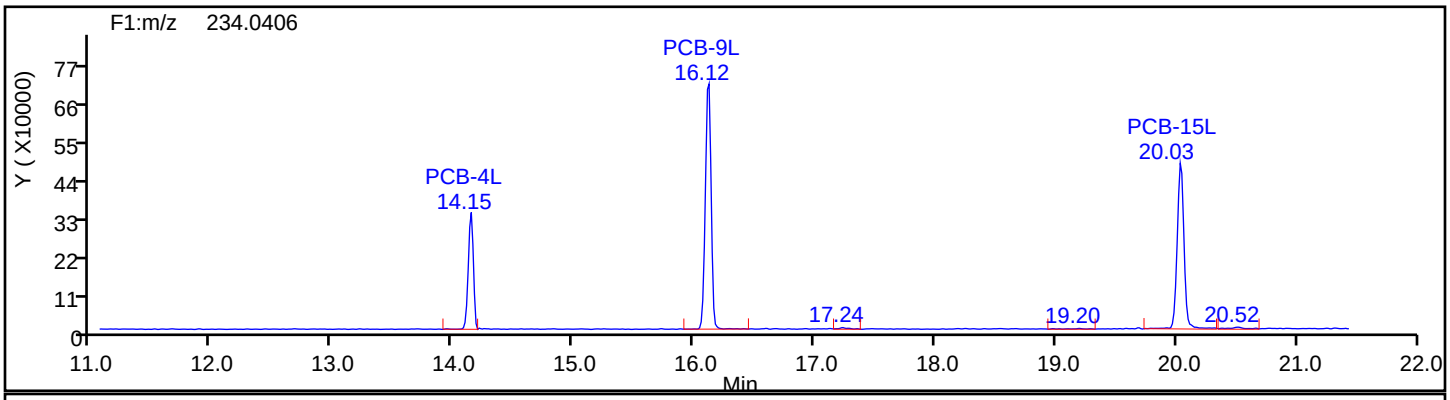
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

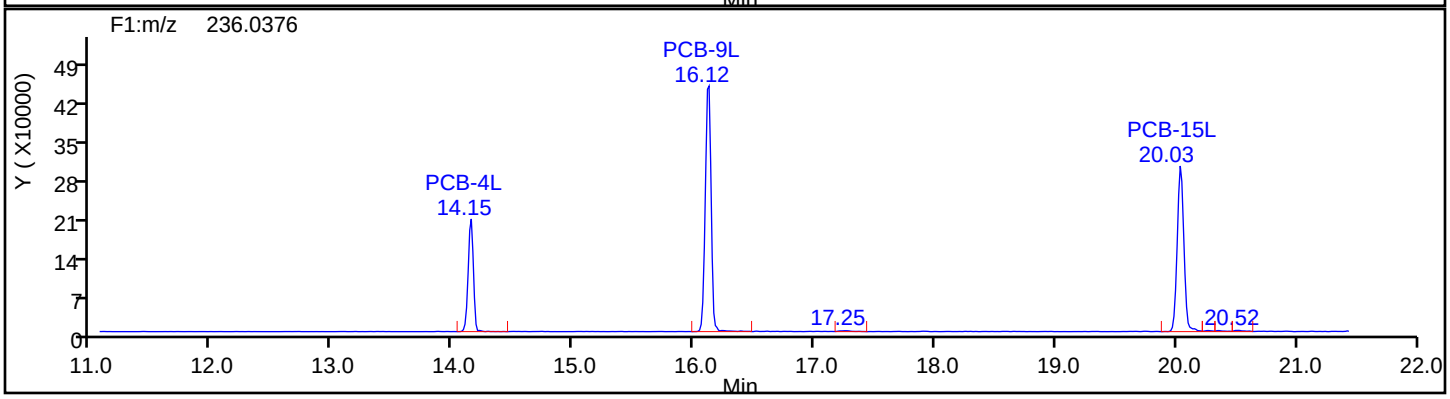
DiPCB F1




DiPCB F1 Standards

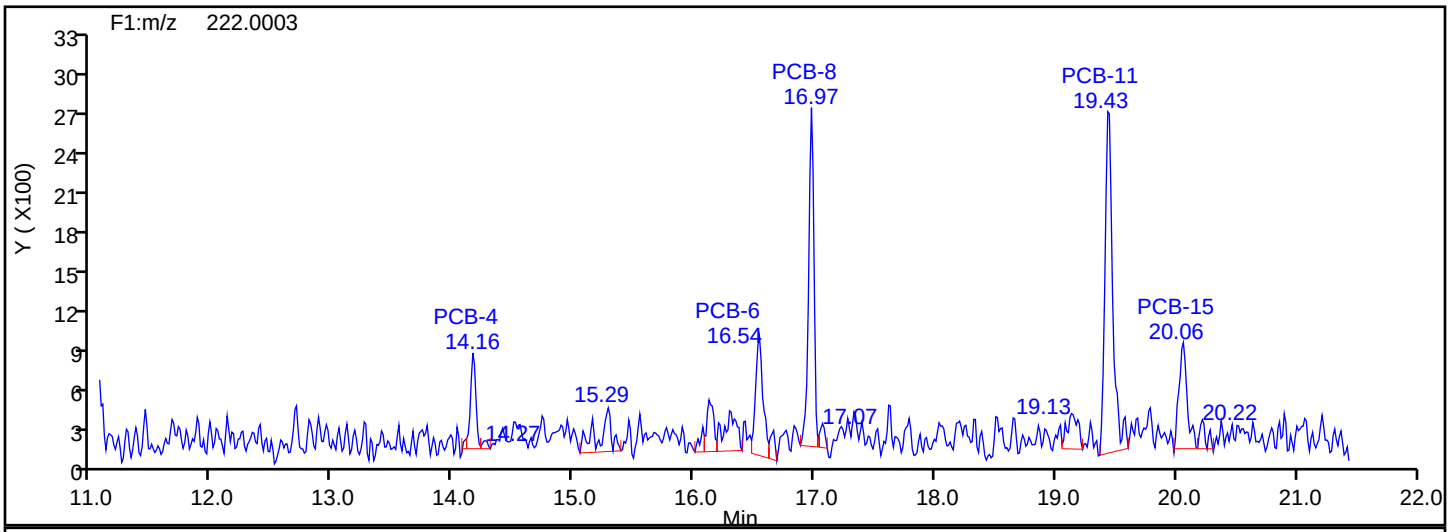


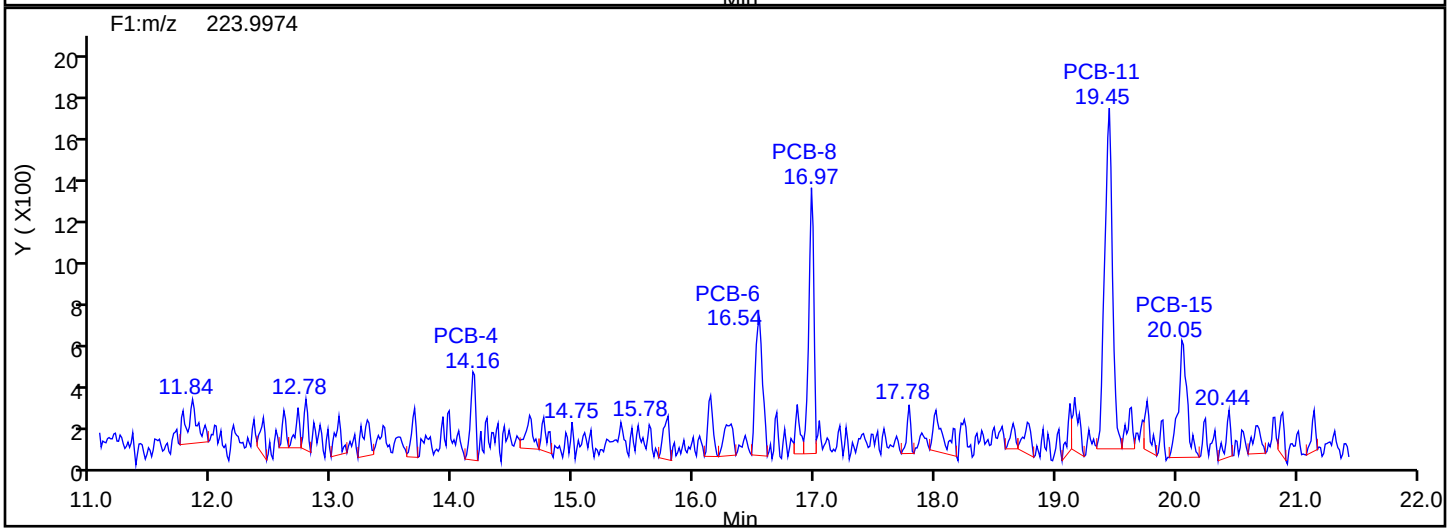



Eurofins TestAmerica, Knoxville

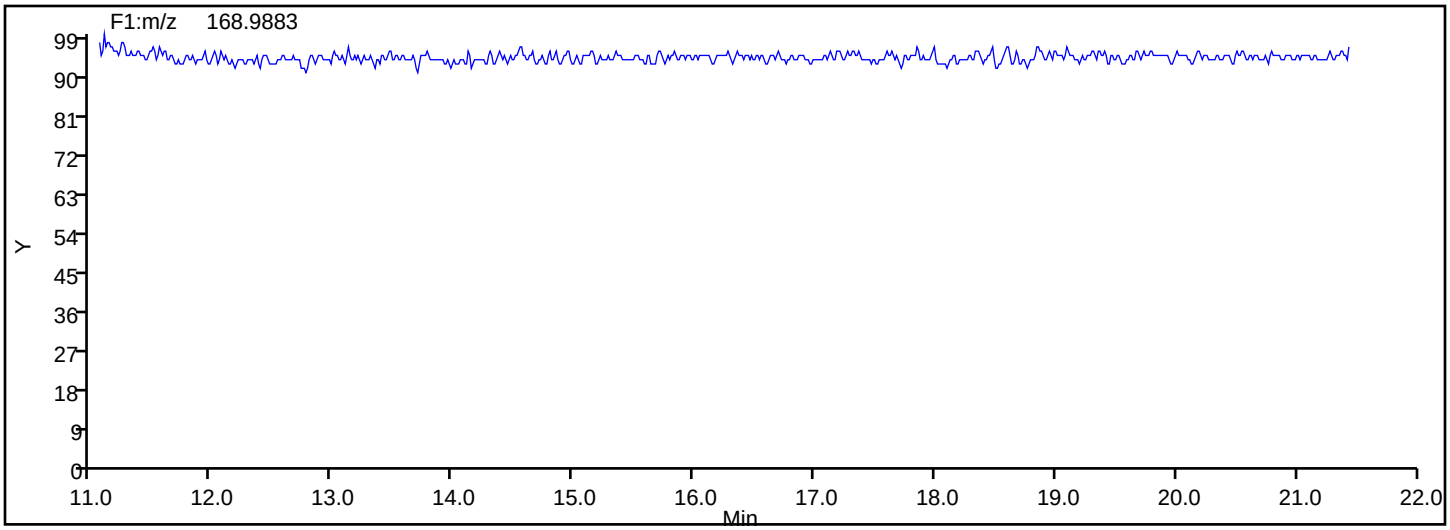
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

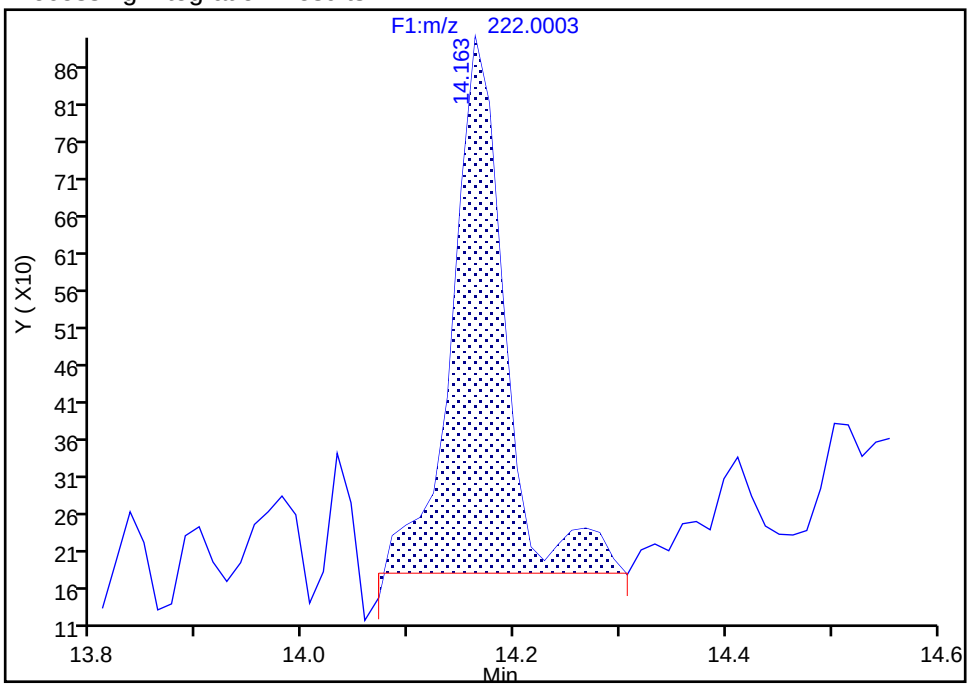
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4, CAS: 13029-08-8

Signal: 1

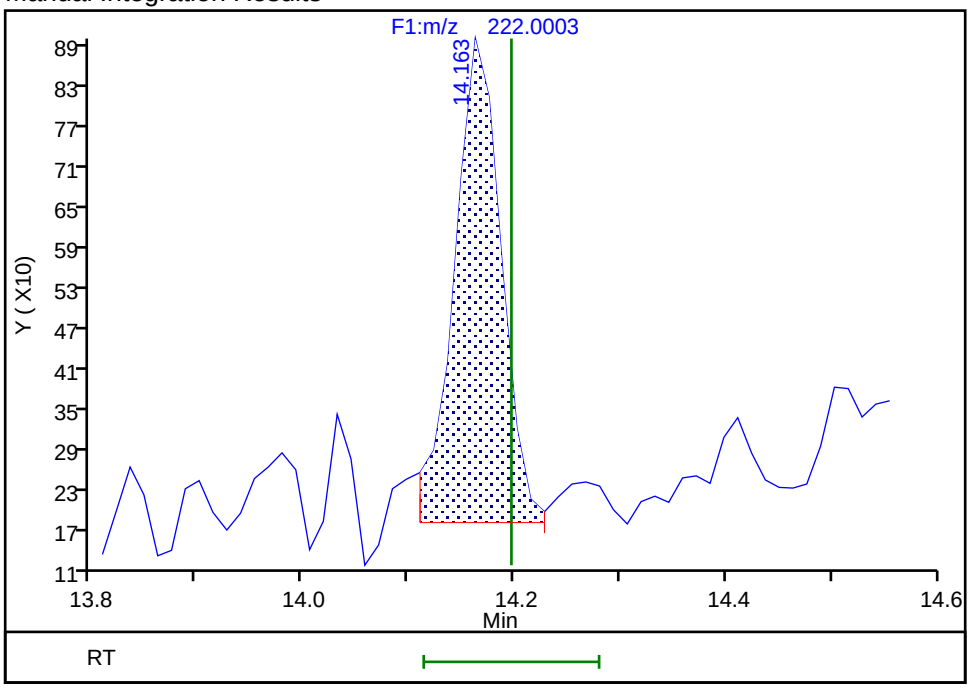
Processing Integration Results

RT: 14.16
Area: 2478
Amount: 0.182973
Amount Units: pg/ul




Manual Integration Results

RT: 14.16
Area: 2188
Amount: 0.168667
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:54:05

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

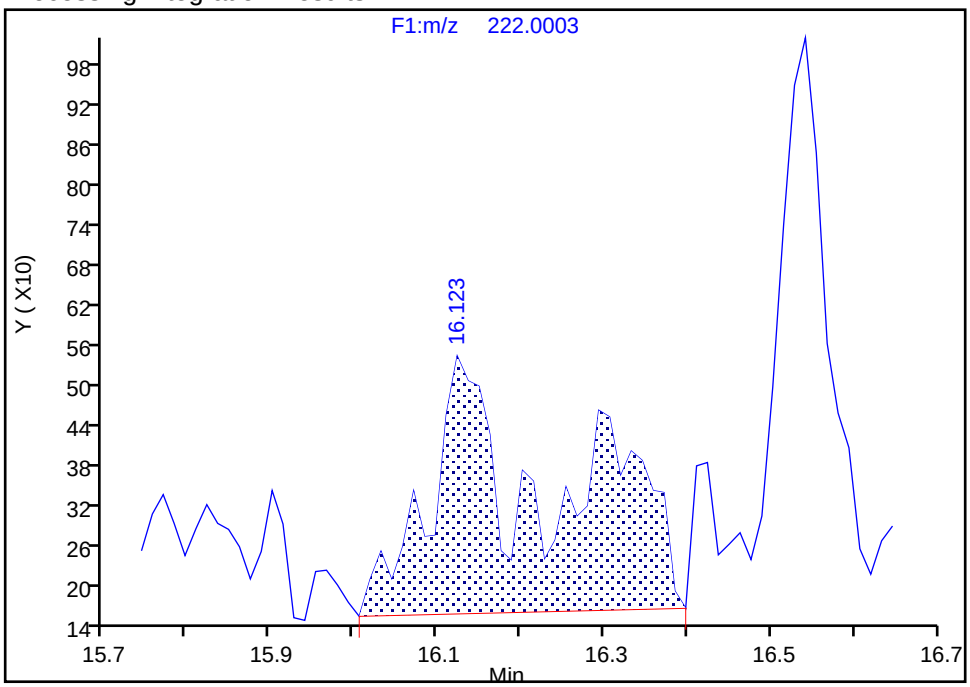
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-9, CAS: 34883-39-1

Signal: 1

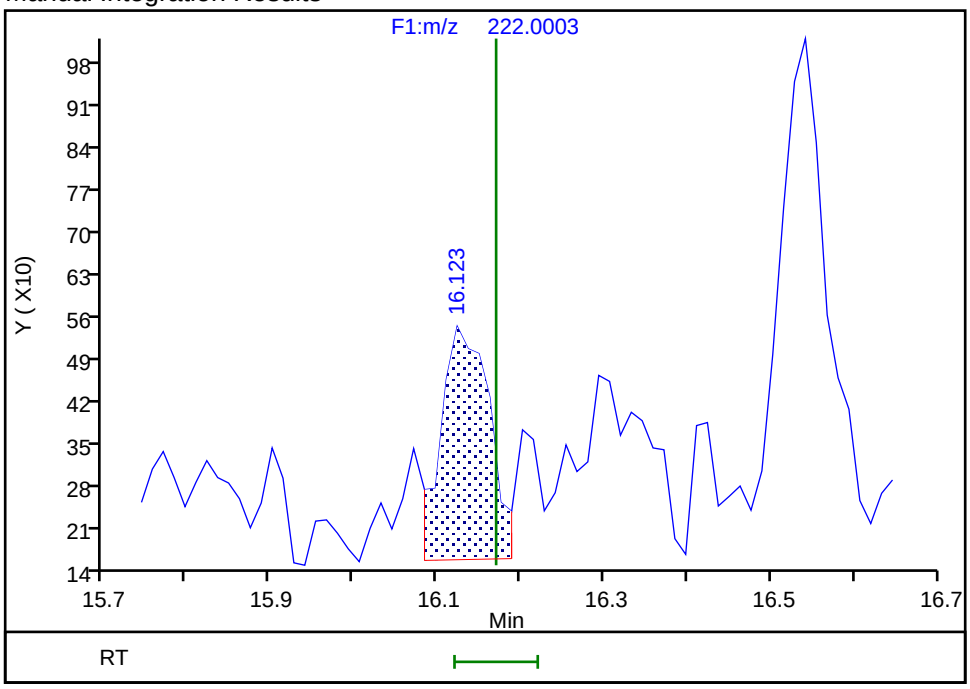
Processing Integration Results

RT: 16.12
Area: 4104
Amount: 0.148496
Amount Units: pg/ul




Manual Integration Results

RT: 16.12
Area: 1530
Amount: 0.071372
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:54:18

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

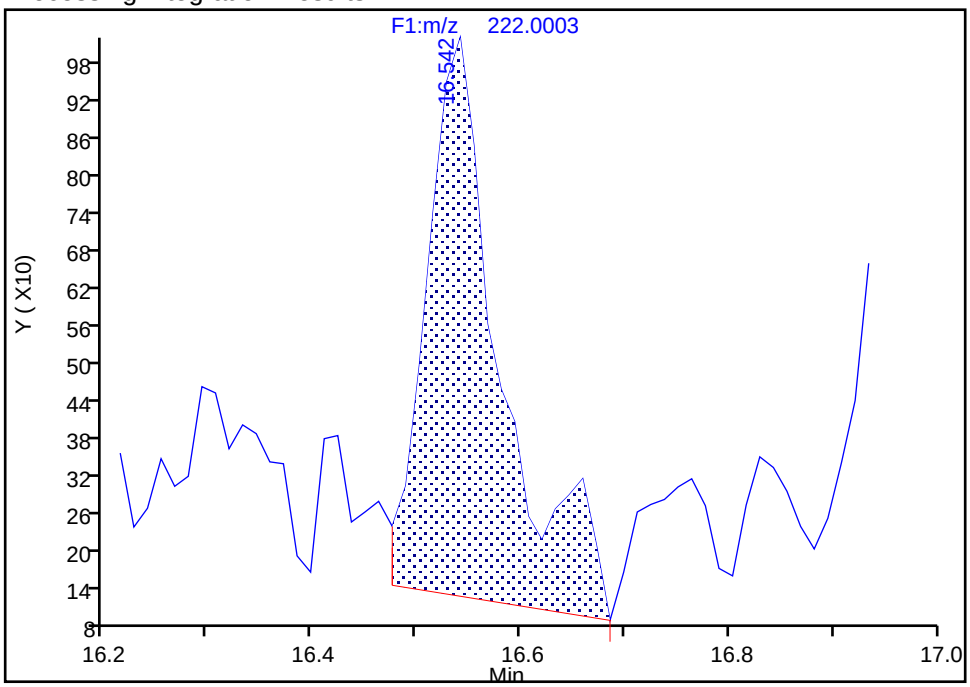
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

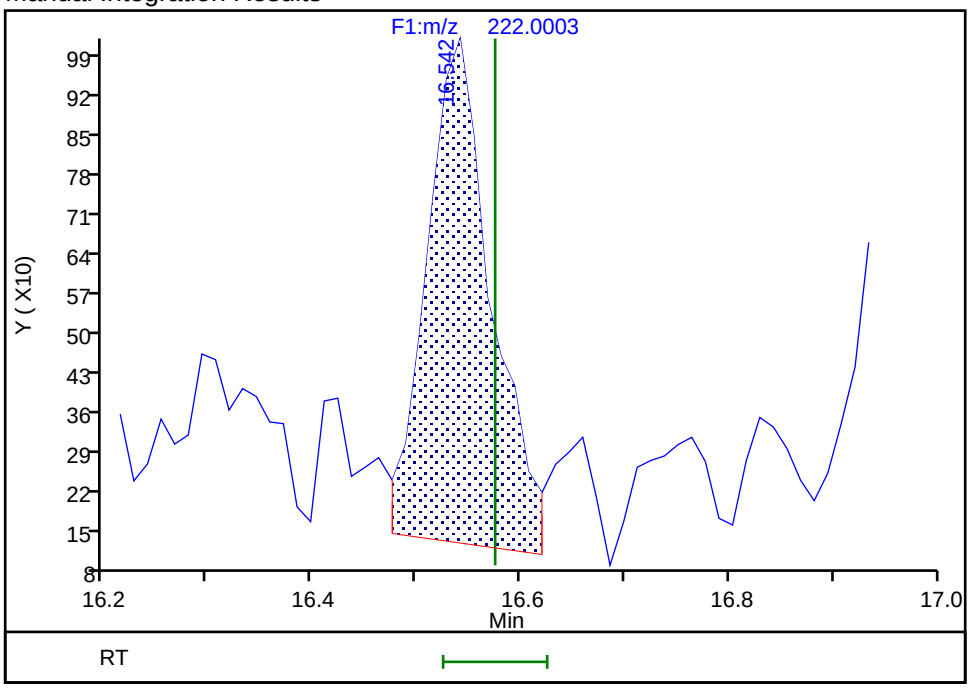
Processing Integration Results

RT: 16.54
Area: 4412
Amount: 0.196347
Amount Units: pg/ul




Manual Integration Results

RT: 16.54
Area: 3821
Amount: 0.180165
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:54:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

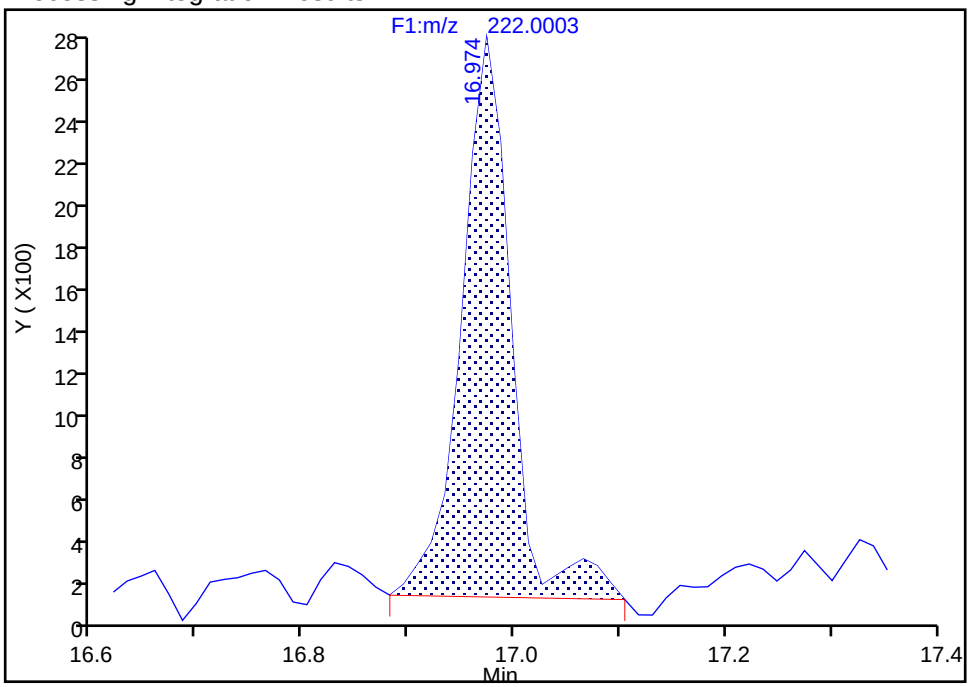
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

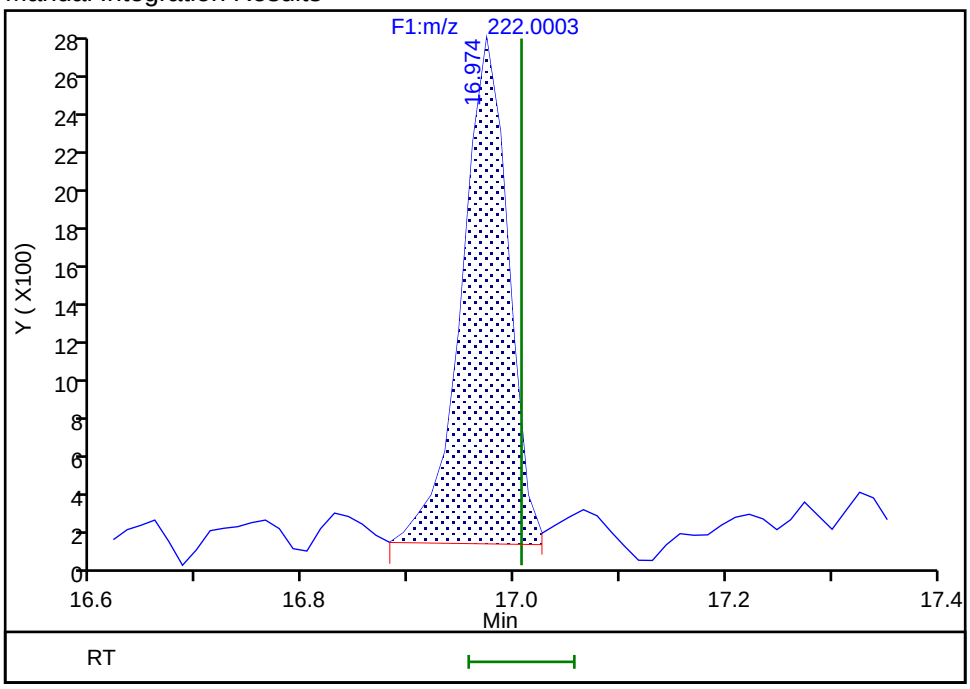
Processing Integration Results

RT: 16.97
Area: 8279
Amount: 0.321089
Amount Units: pg/ul




Manual Integration Results

RT: 16.97
Area: 7739
Amount: 0.306625
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:54:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

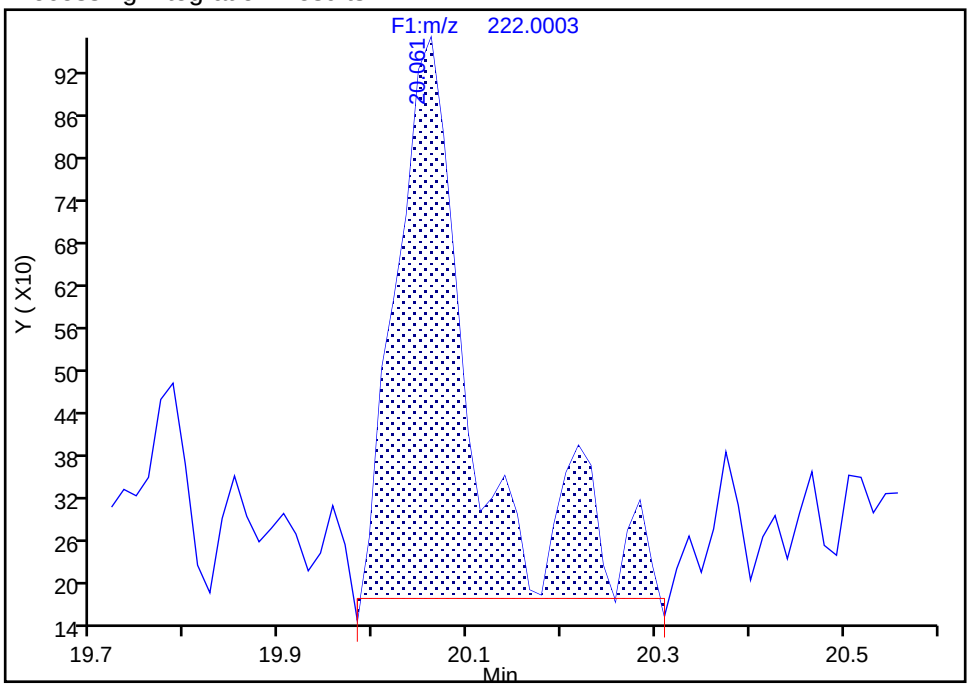
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 1

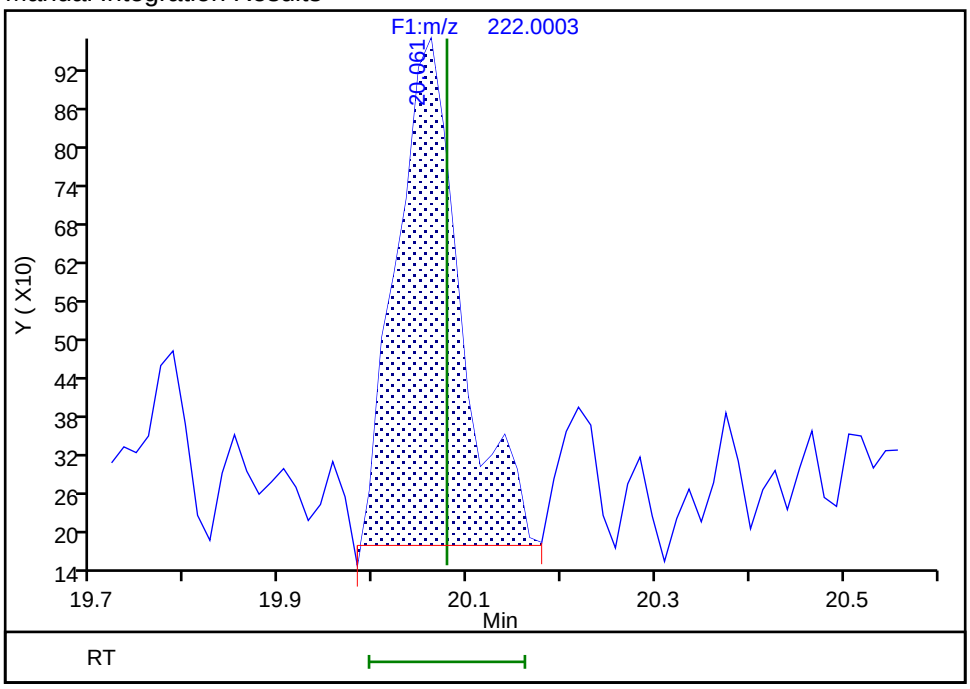
Processing Integration Results

RT: 20.06
Area: 4562
Amount: 0.170784
Amount Units: pg/ul




Manual Integration Results

RT: 20.06
Area: 3778
Amount: 0.152654
Amount Units: pg/ul



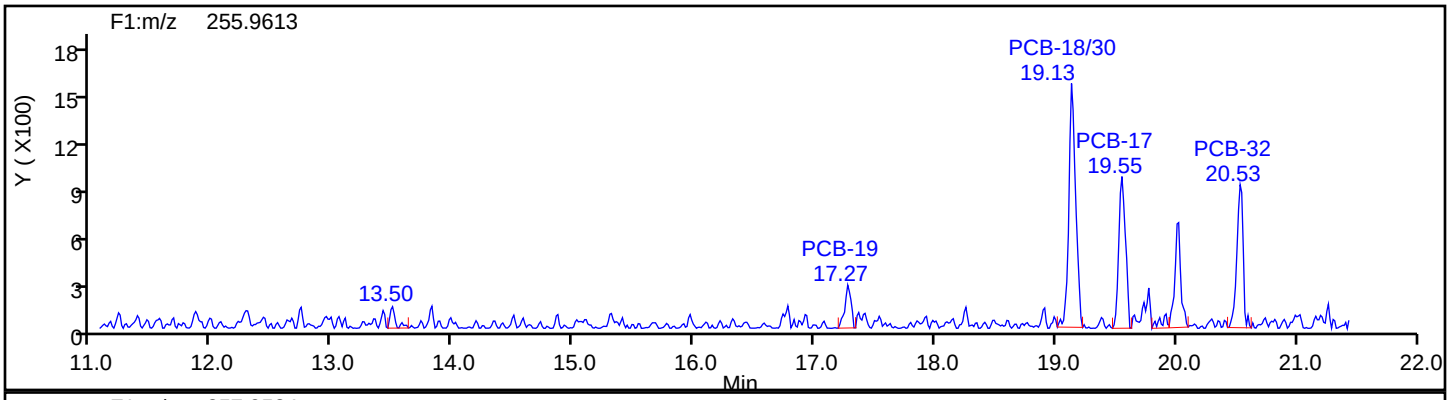

Reviewer: davidsonm, 10-Oct-2019 08:55:01

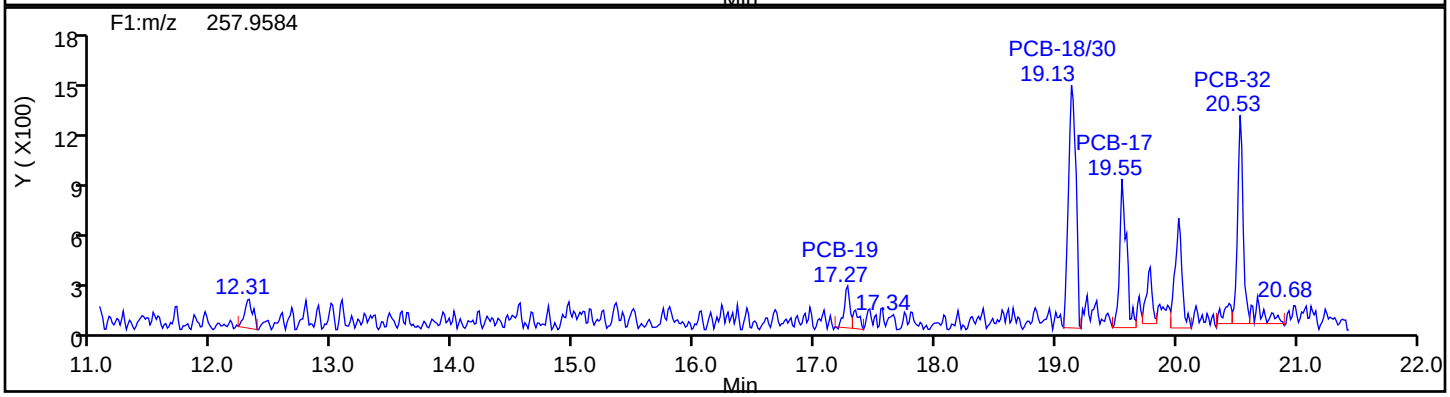
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

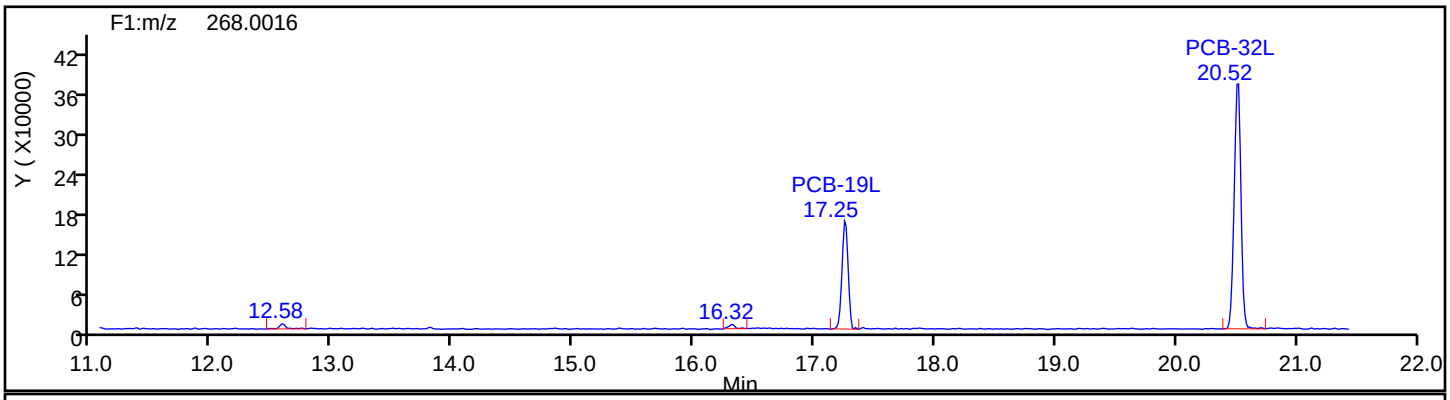
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

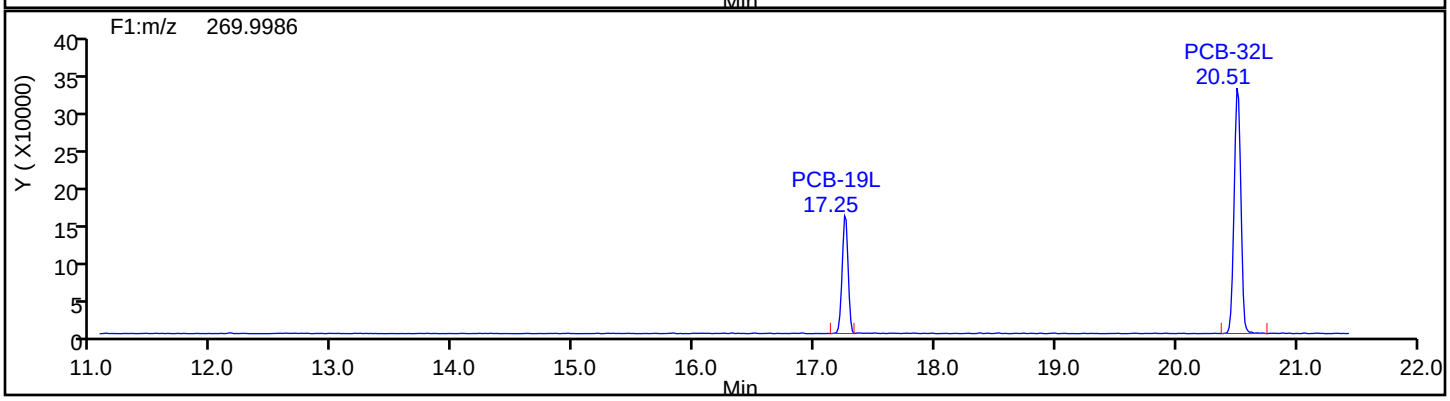
TriPCB F1




TriPCB F1 Standards

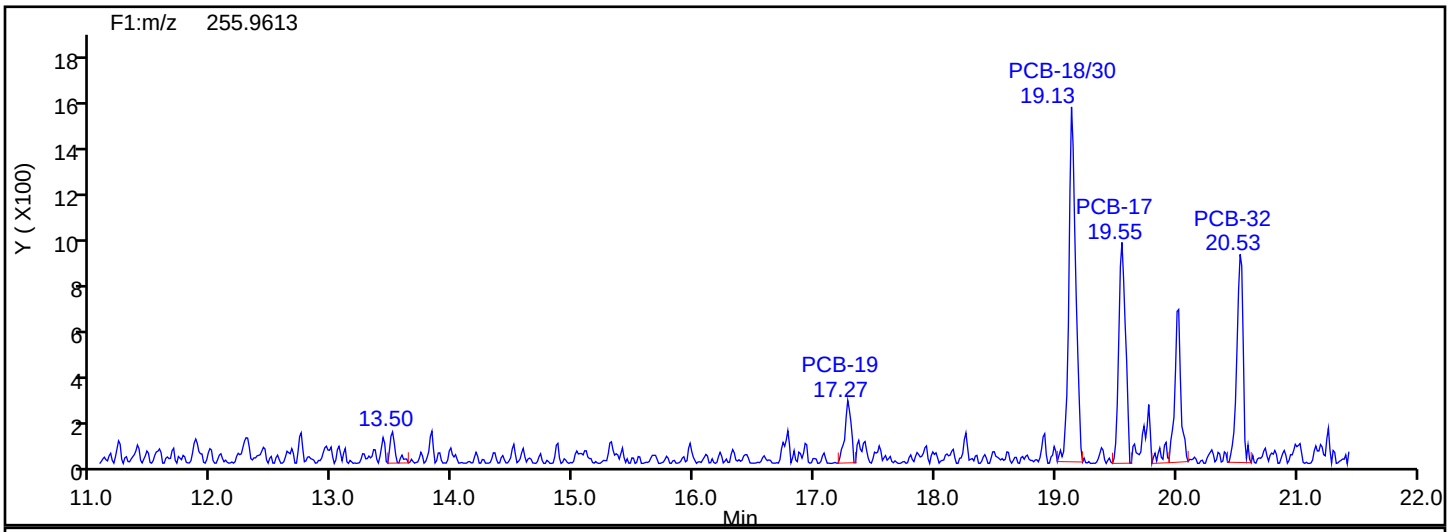


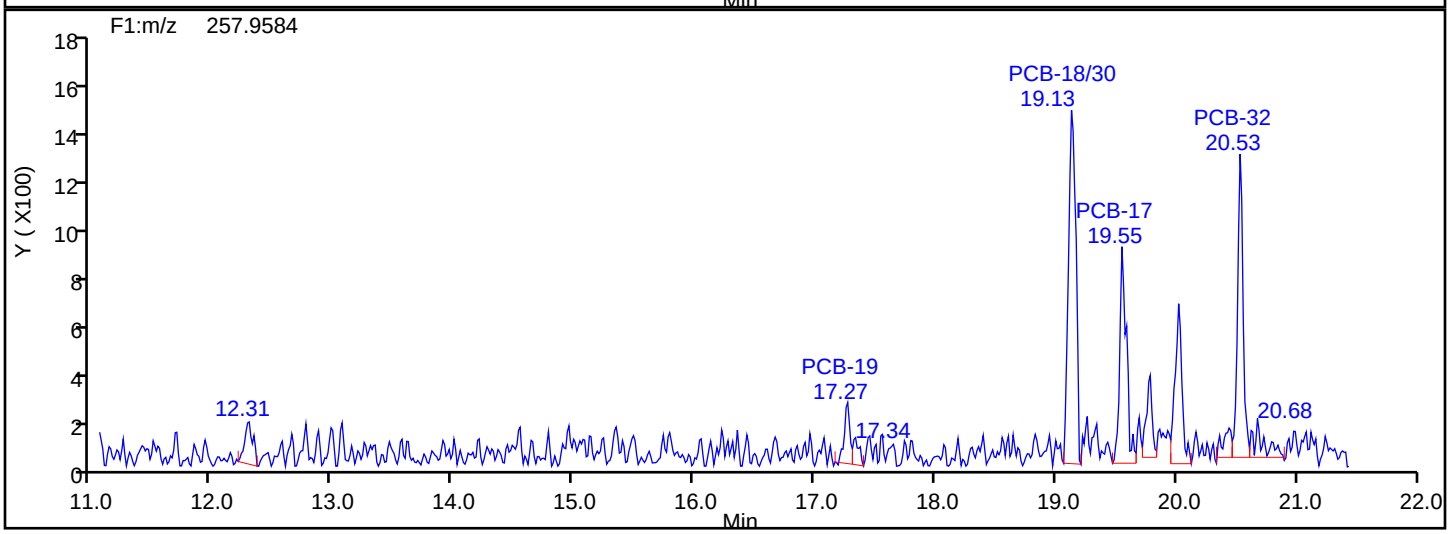



Eurofins TestAmerica, Knoxville

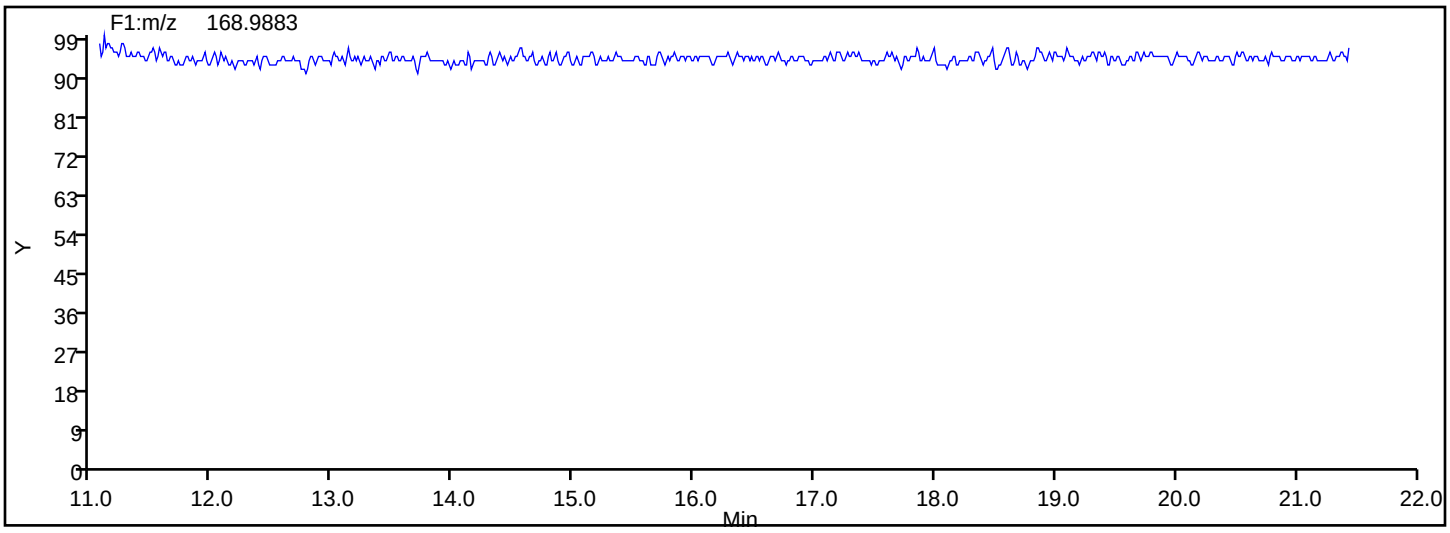
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

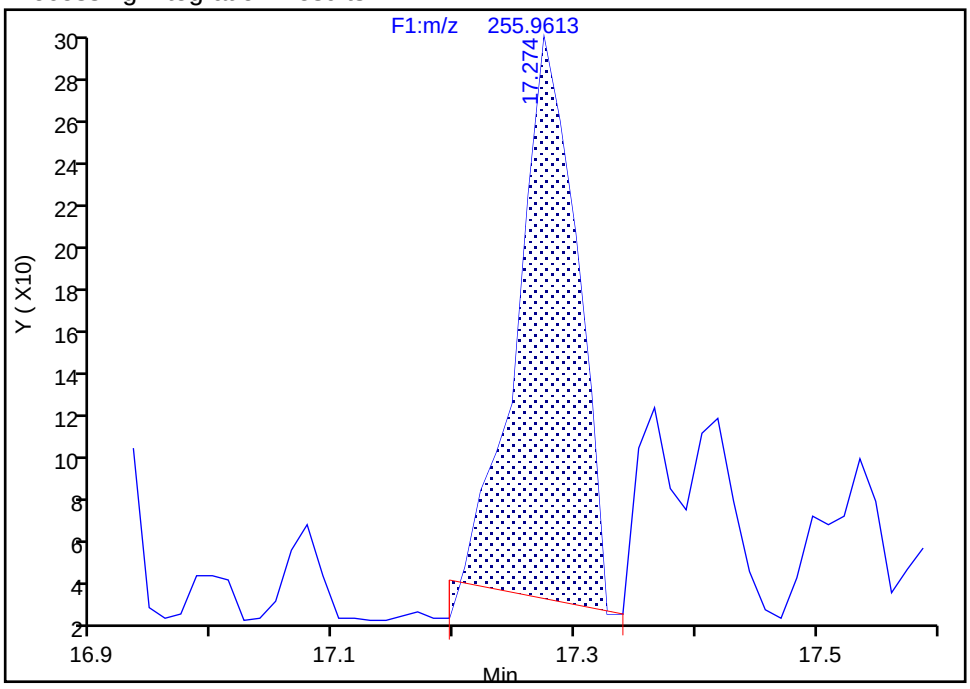
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-19, CAS: 38444-73-4

Signal: 1

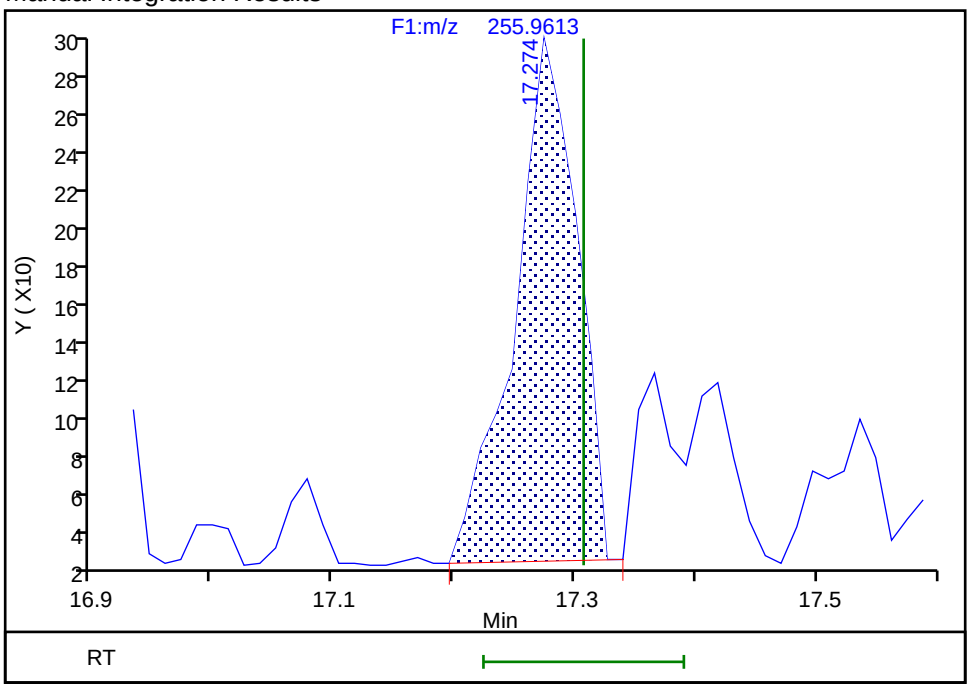
Processing Integration Results

RT: 17.27
Area: 901
Amount: 0.148856
Amount Units: pg/ul




Manual Integration Results

RT: 17.27
Area: 979
Amount: 0.121898
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:55:18

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

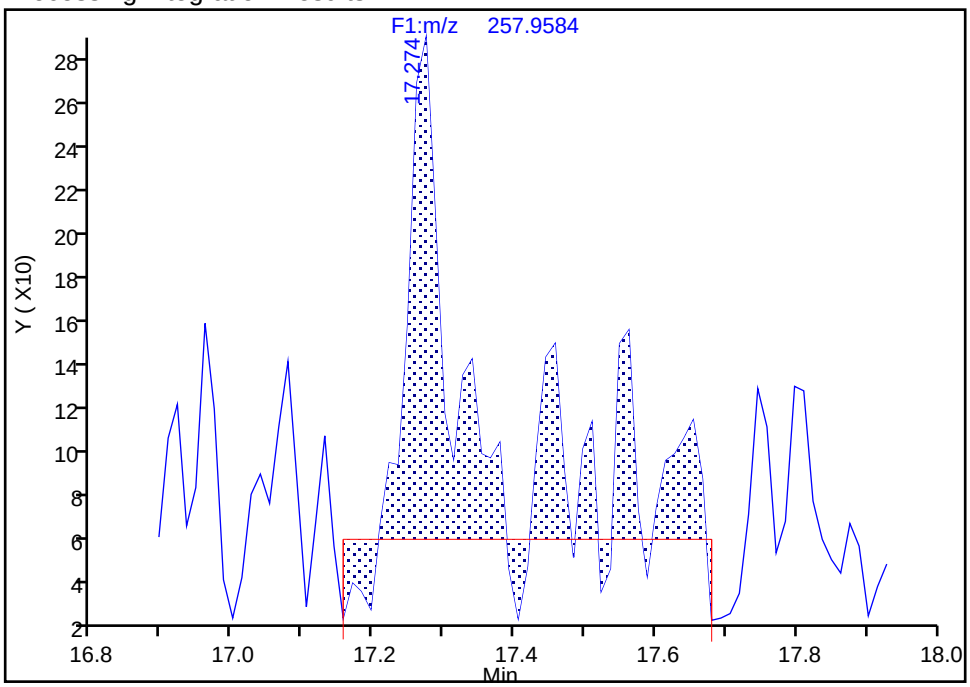
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-19, CAS: 38444-73-4

Signal: 2

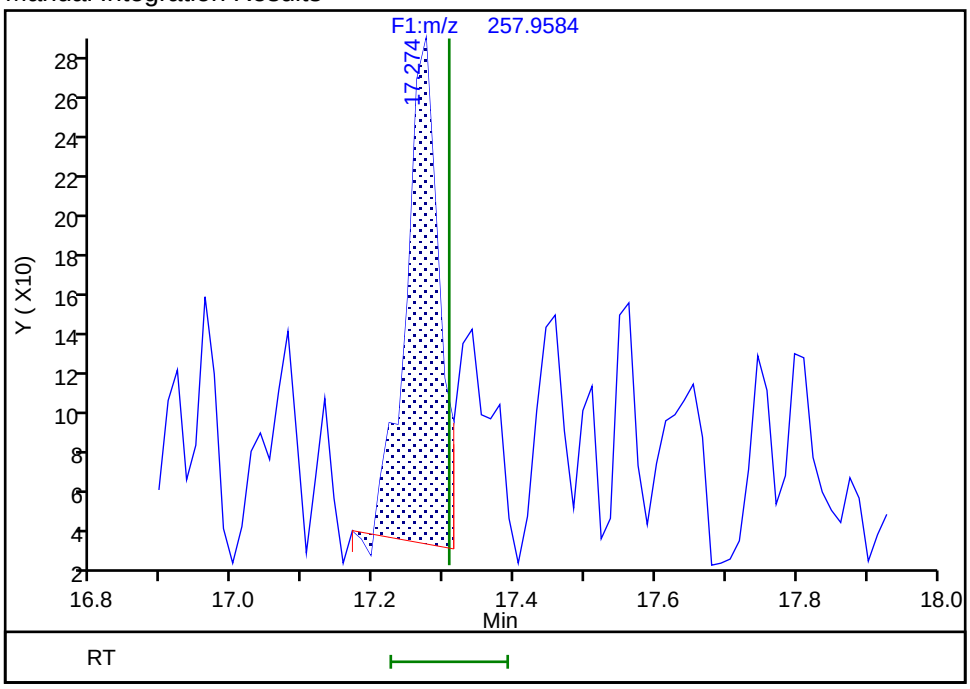
Processing Integration Results

RT: 17.27
Area: 1258
Amount: 0.148856
Amount Units: pg/ul




Manual Integration Results

RT: 17.27
Area: 789
Amount: 0.121898
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:55:29
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

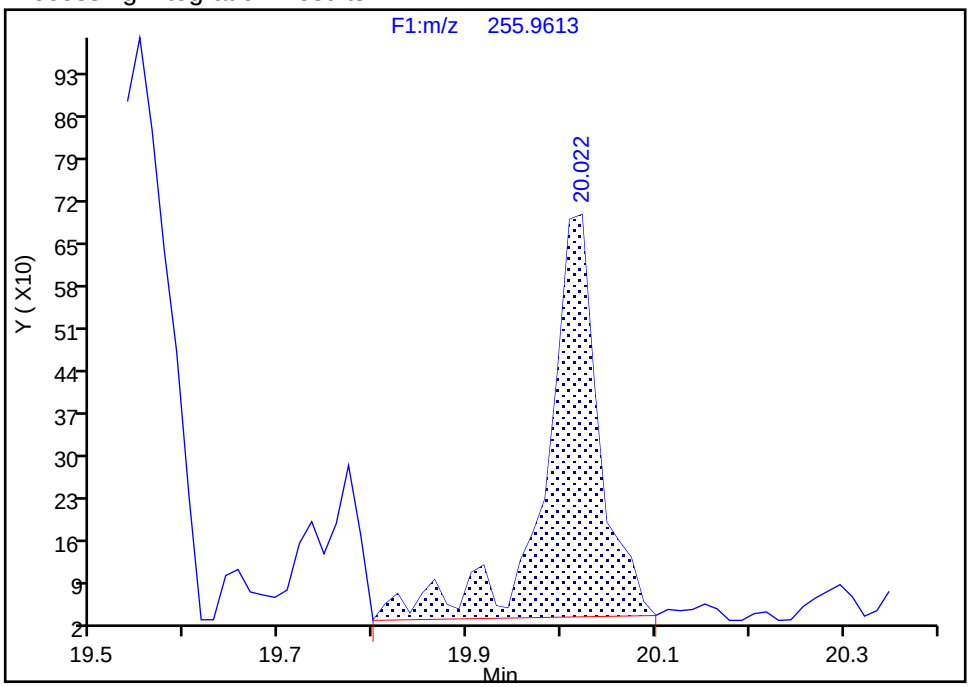
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

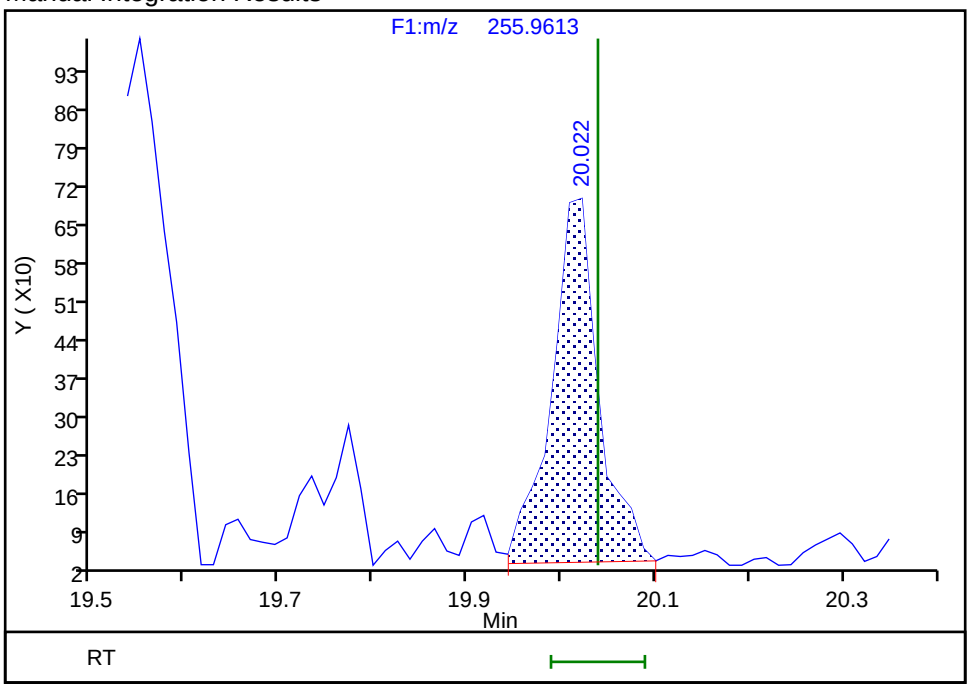
Processing Integration Results

RT: 20.02
Area: 2639
Amount: 0.386168
Amount Units: pg/ul




Manual Integration Results

RT: 20.02
Area: 2313
Amount: 0.362248
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:55:44

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

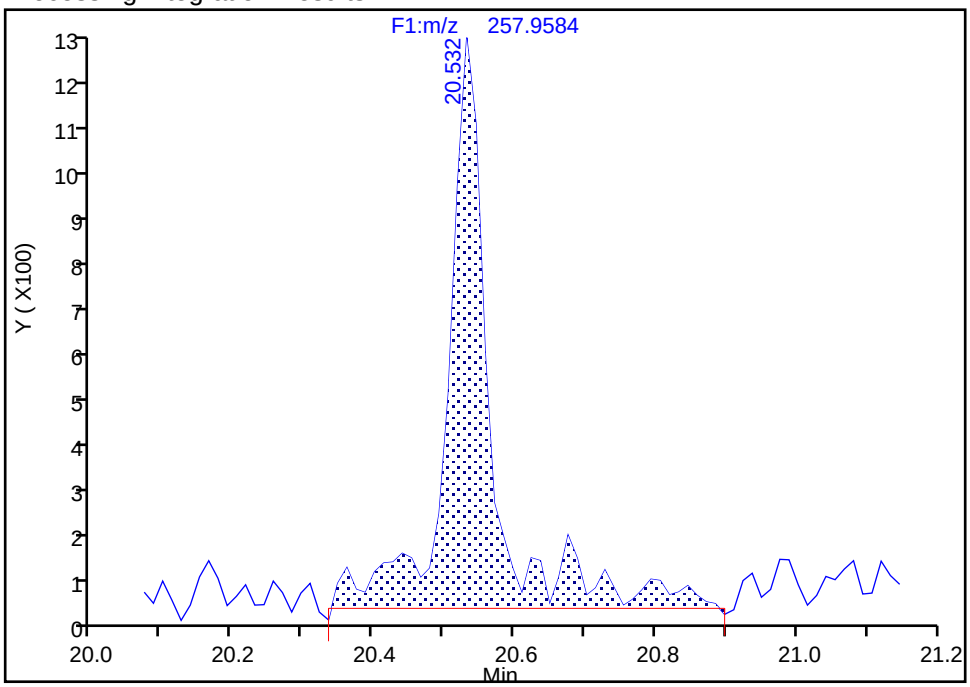
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 2

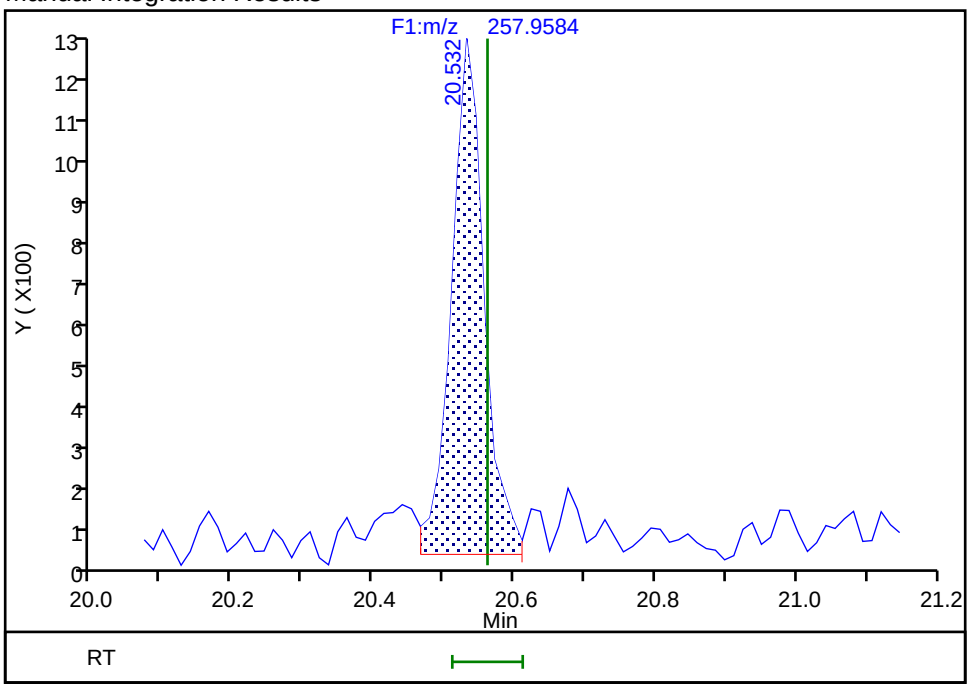
Processing Integration Results

RT: 20.53
Area: 5397
Amount: 0.334425
Amount Units: pg/ul




Manual Integration Results

RT: 20.53
Area: 3940
Amount: 0.278451
Amount Units: pg/ul



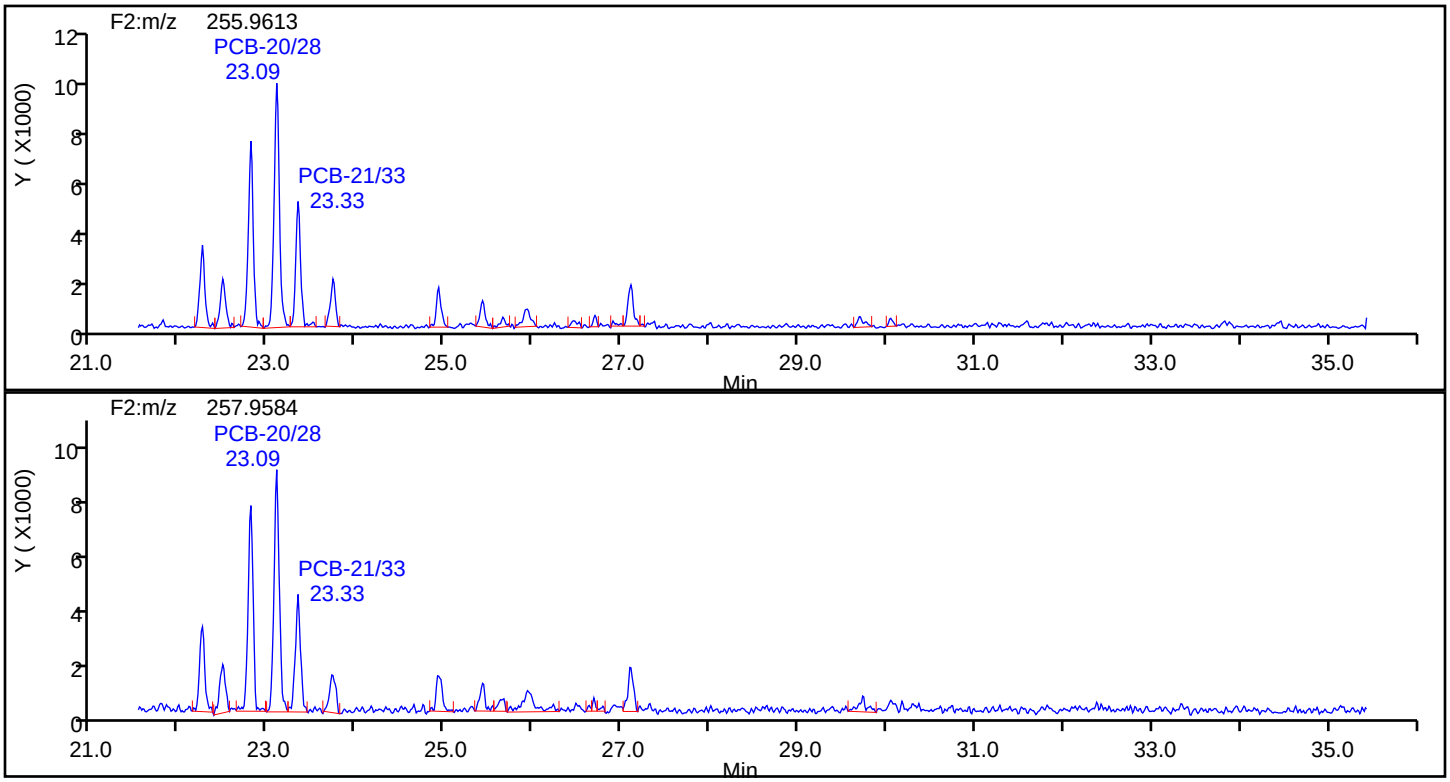

Reviewer: davidsonm, 10-Oct-2019 08:55:51

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

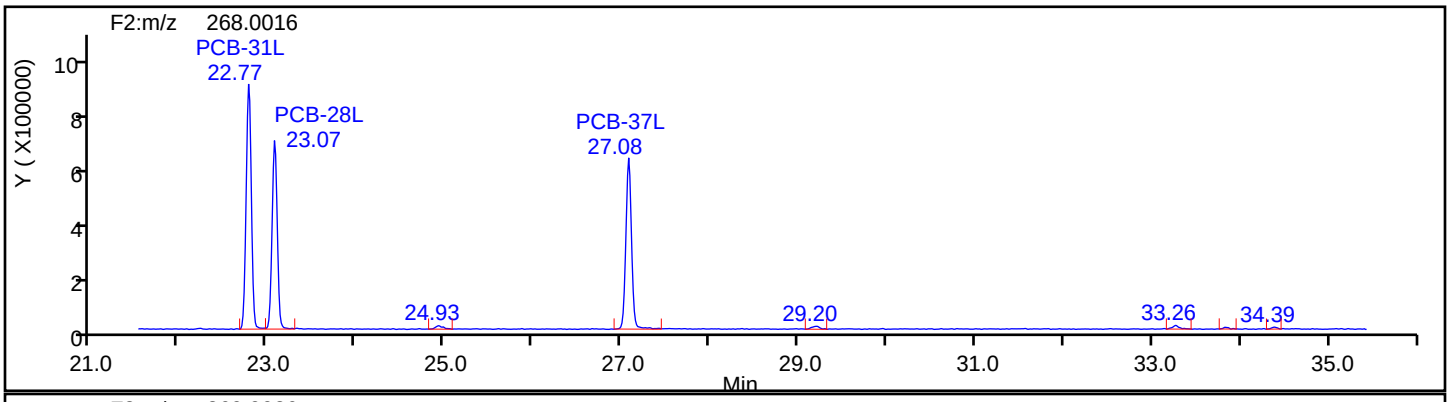
TriPCB F2

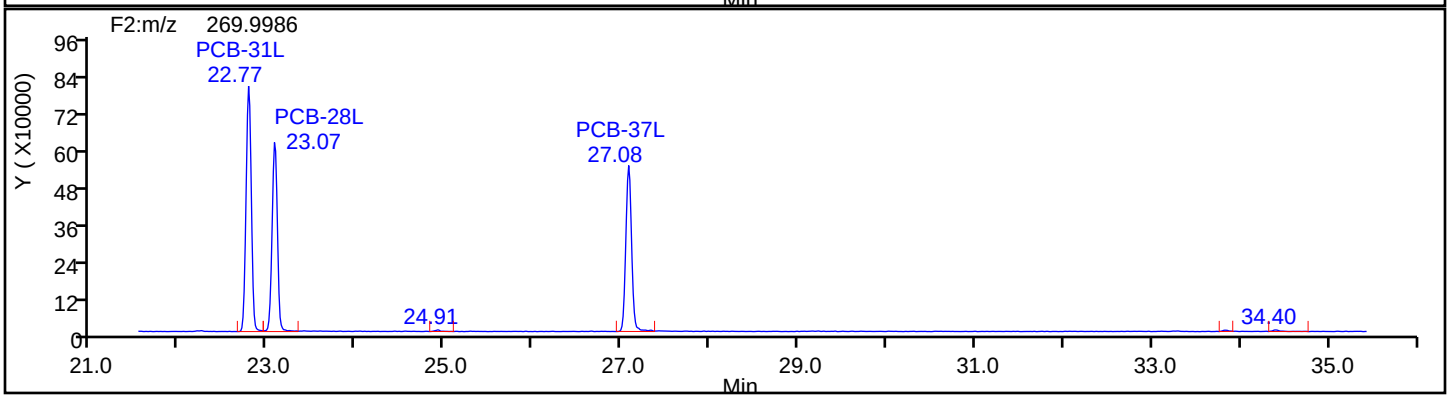






TriPCB F2 Standards

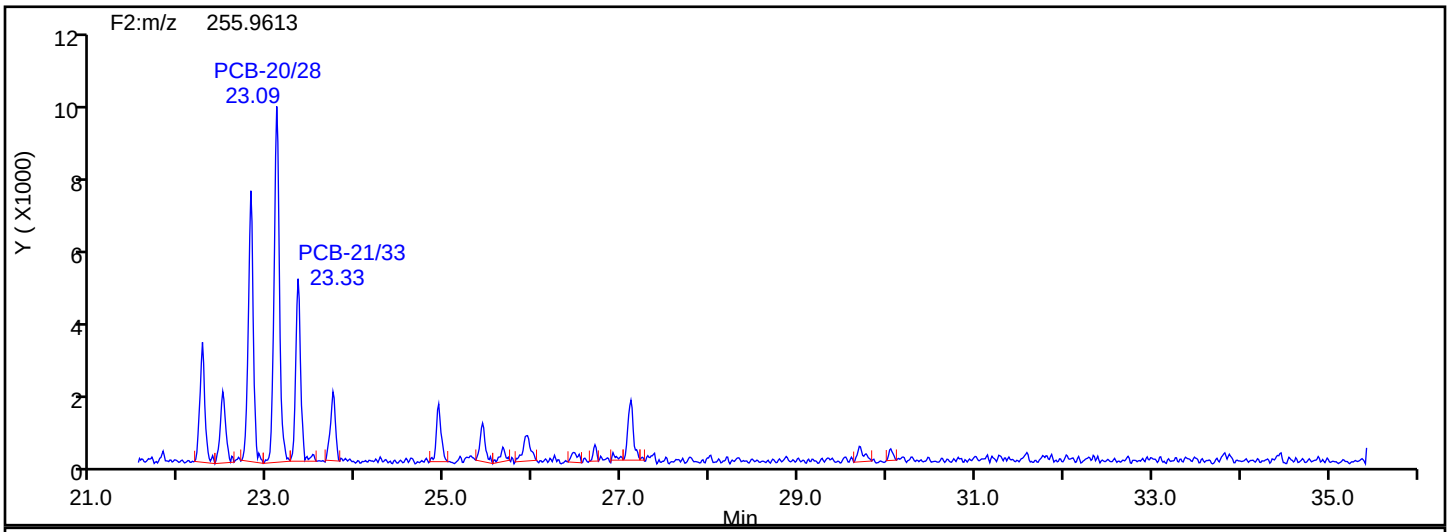


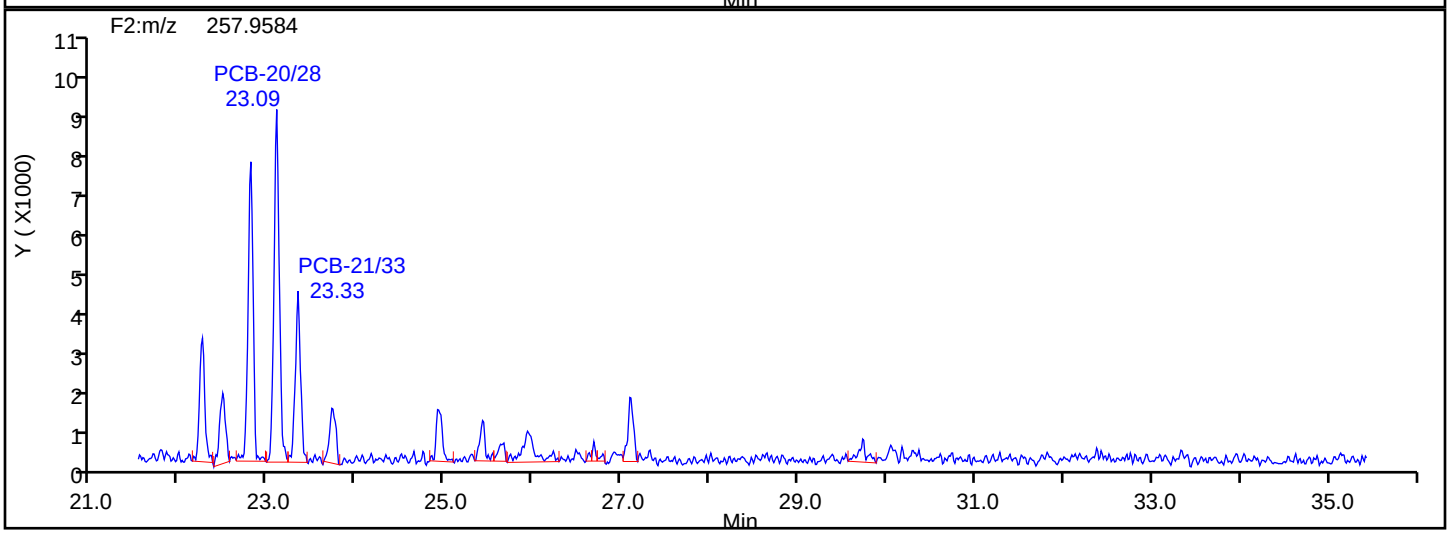



Eurofins TestAmerica, Knoxville

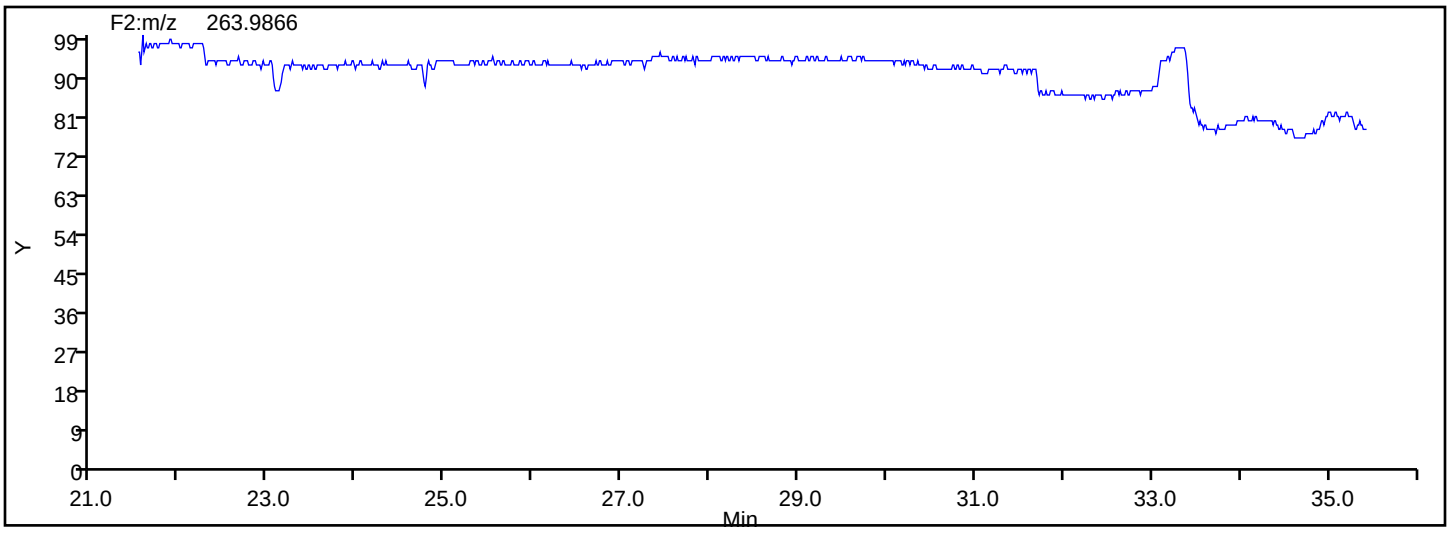
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

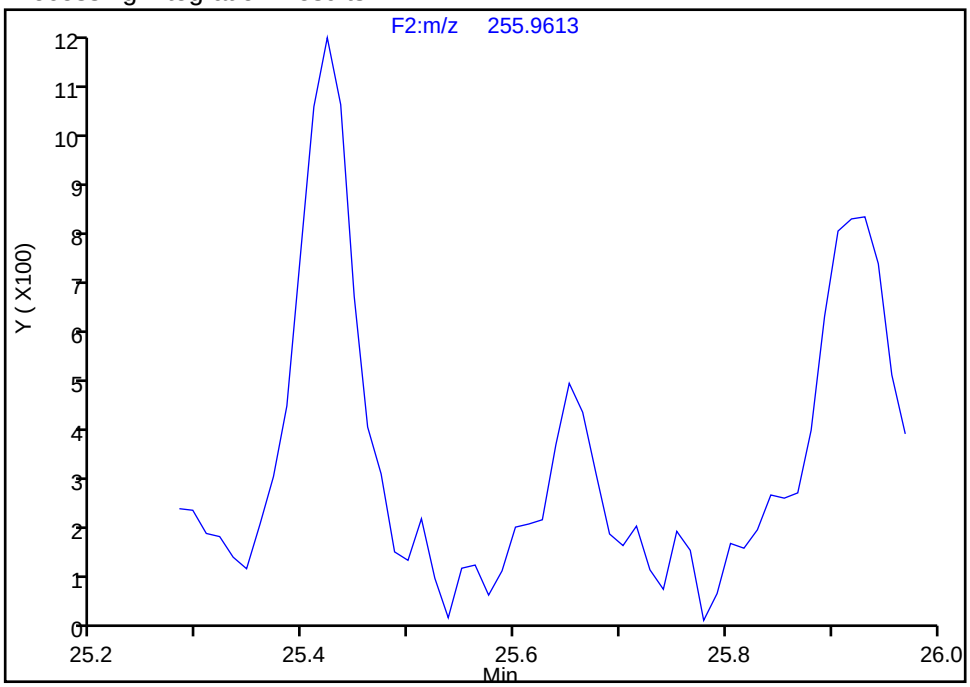
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

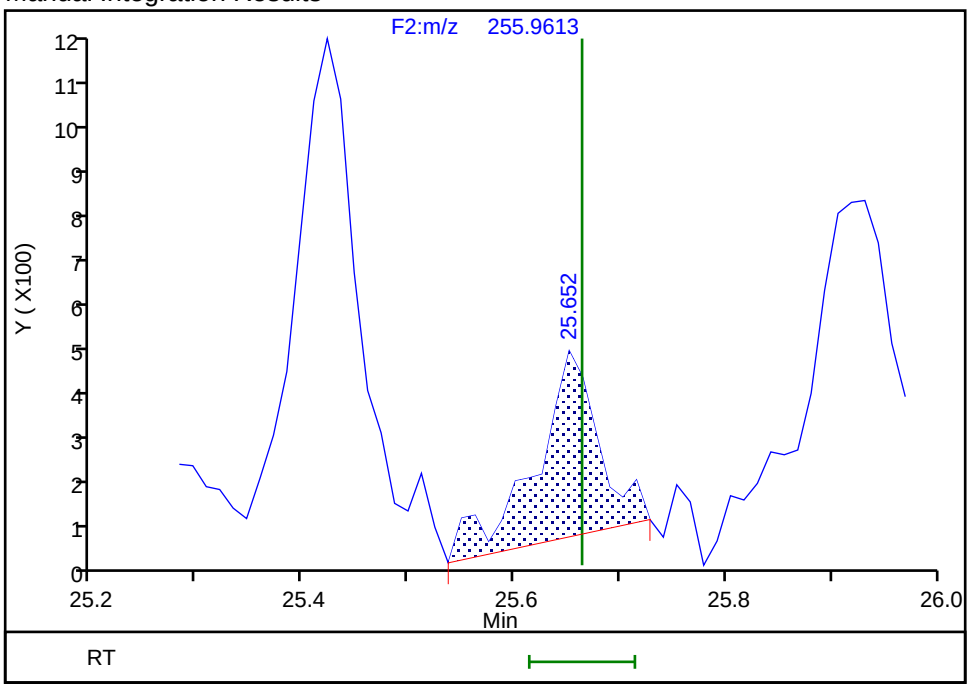
Not Detected
Expected RT: 25.66

Processing Integration Results




Manual Integration Results

RT: 25.65
Area: 1626
Amount: 0.053199
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:56:06
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

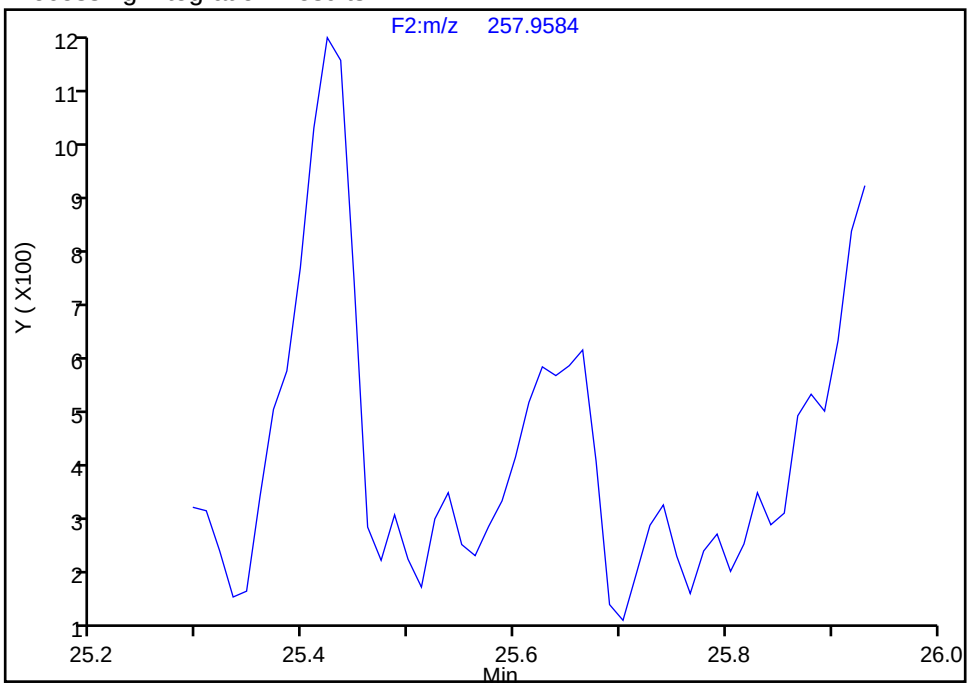
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 2

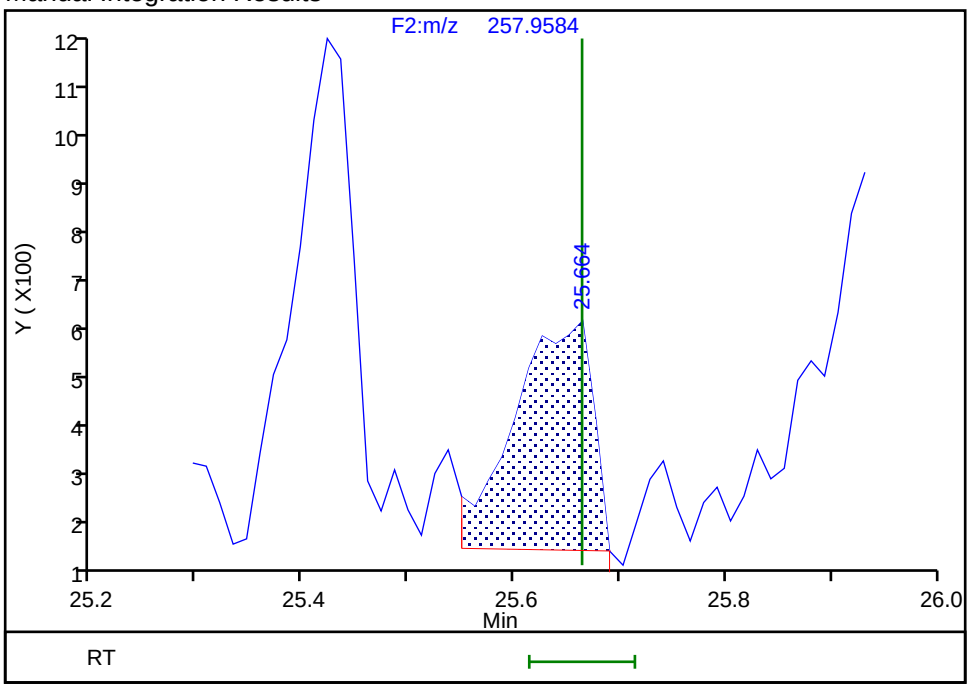
Not Detected
Expected RT: 25.66

Processing Integration Results




Manual Integration Results

RT: 25.66
Area: 2224
Amount: 0.053199
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:56:10
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

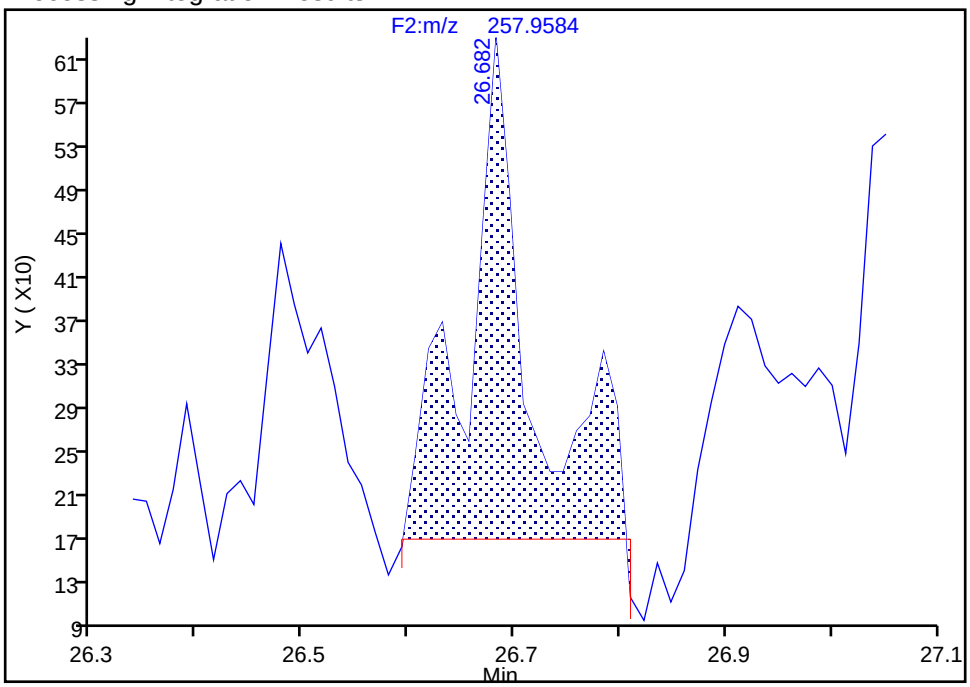
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 2

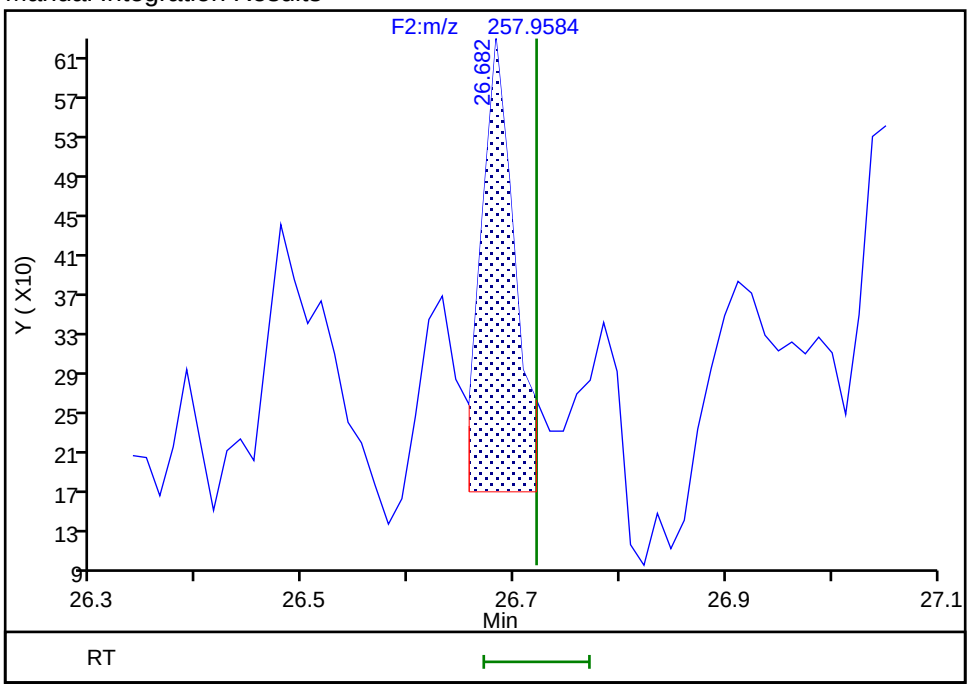
Processing Integration Results

RT: 26.68
Area: 1944
Amount: 0.049646
Amount Units: pg/ul




Manual Integration Results

RT: 26.68
Area: 980
Amount: 0.034351
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:56:24

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

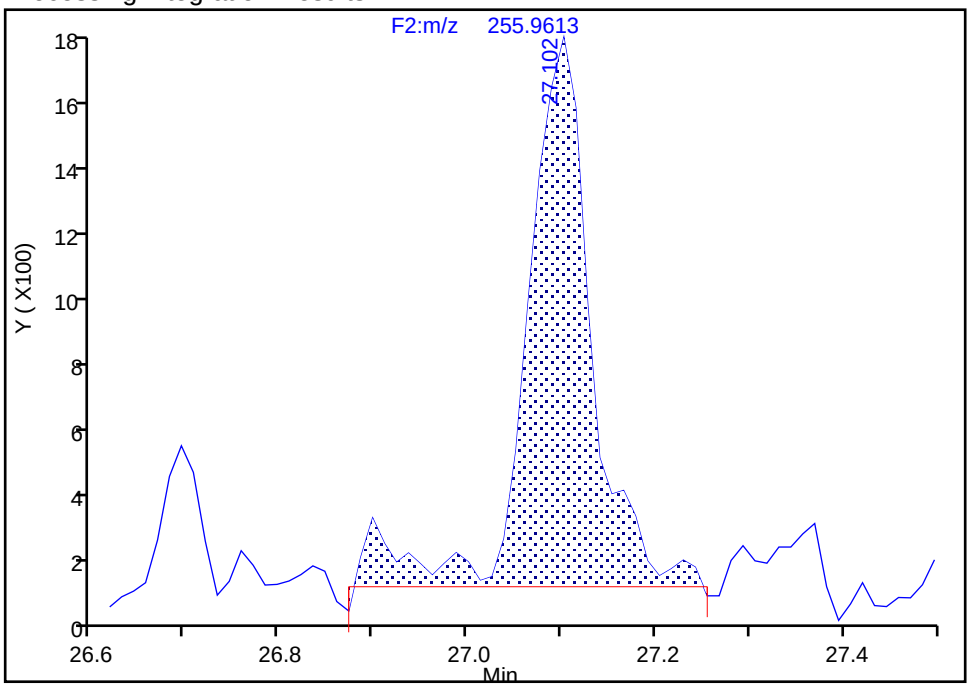
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-37, CAS: 38444-90-5

Signal: 1

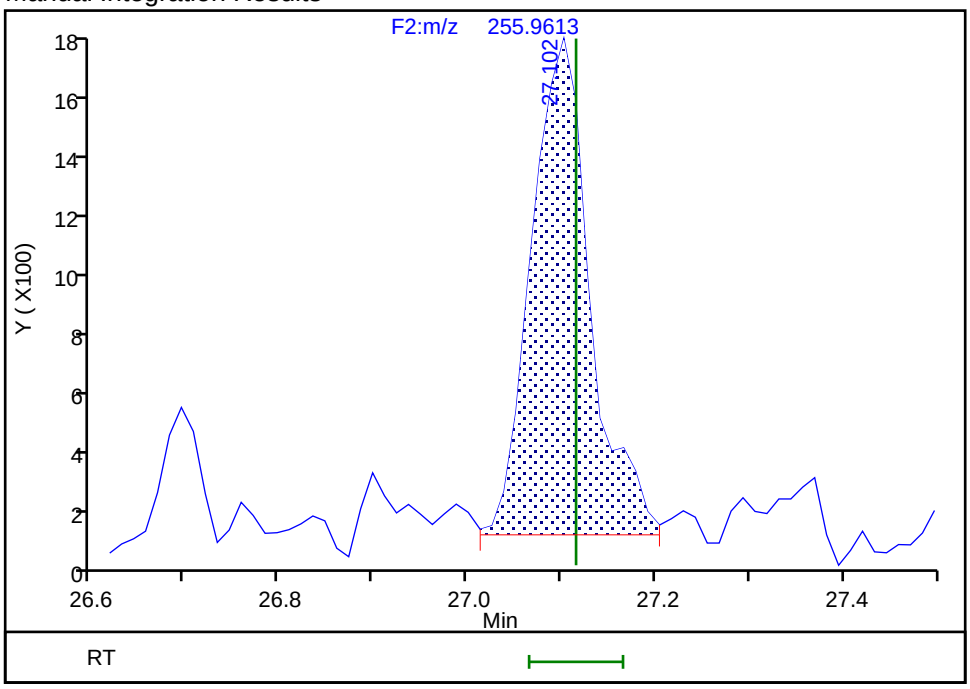
Processing Integration Results

RT: 27.10
Area: 7933
Amount: 0.220252
Amount Units: pg/ul




Manual Integration Results

RT: 27.10
Area: 7092
Amount: 0.207647
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:56:57

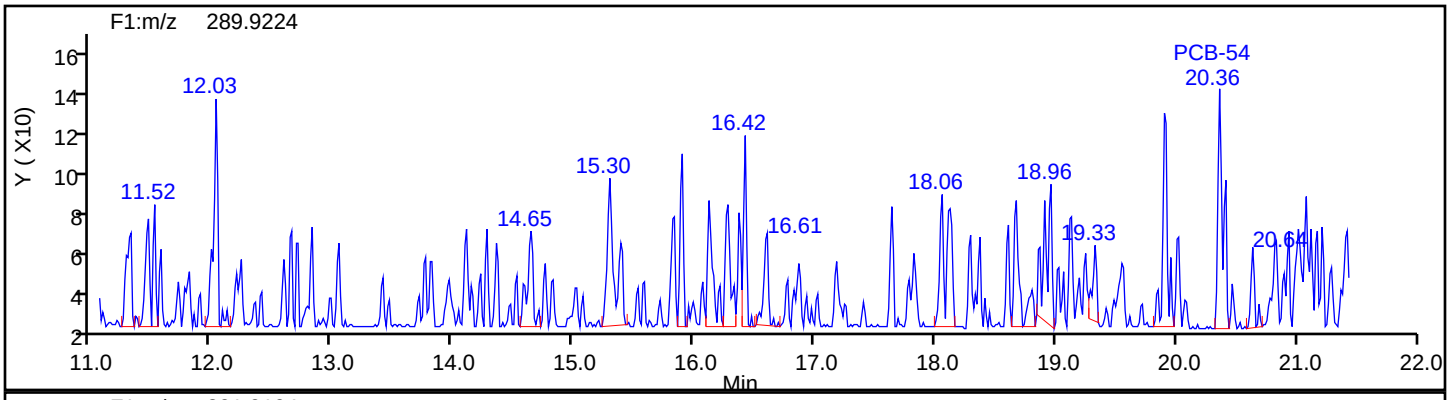
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

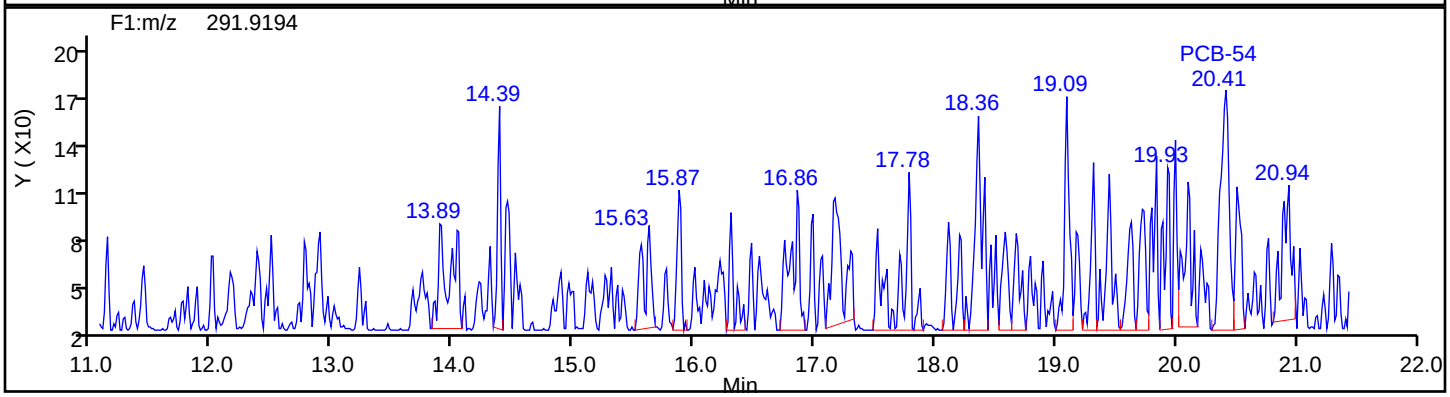
Report Date: 10-Oct-2019 09:06:13 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

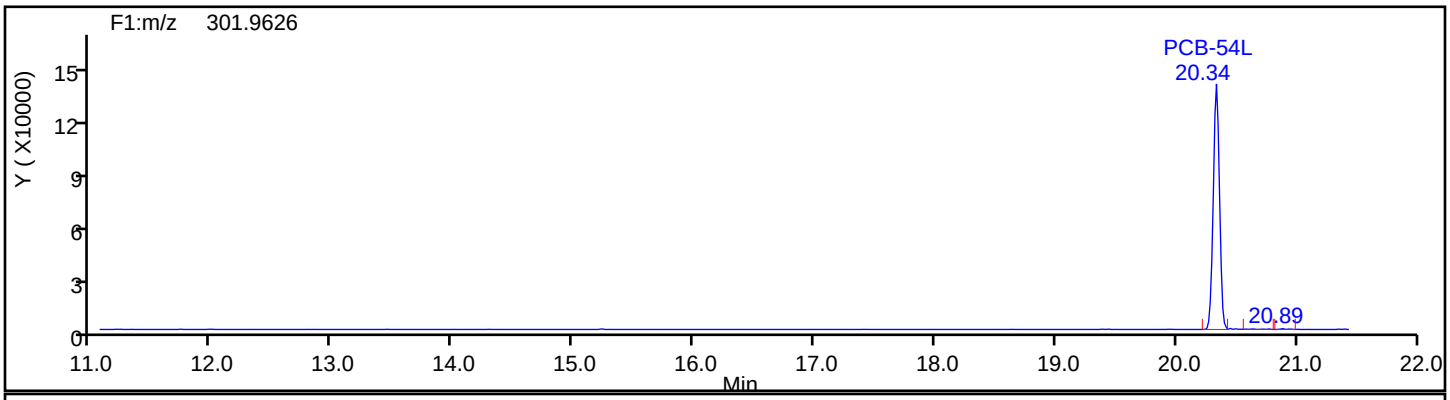
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

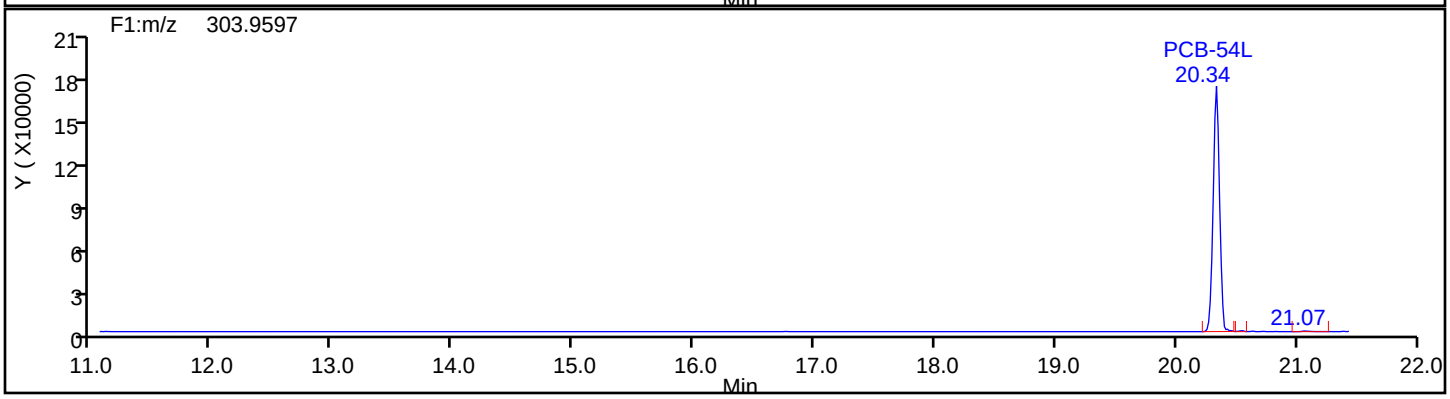
TePCB F1




TePCB F1 Standards

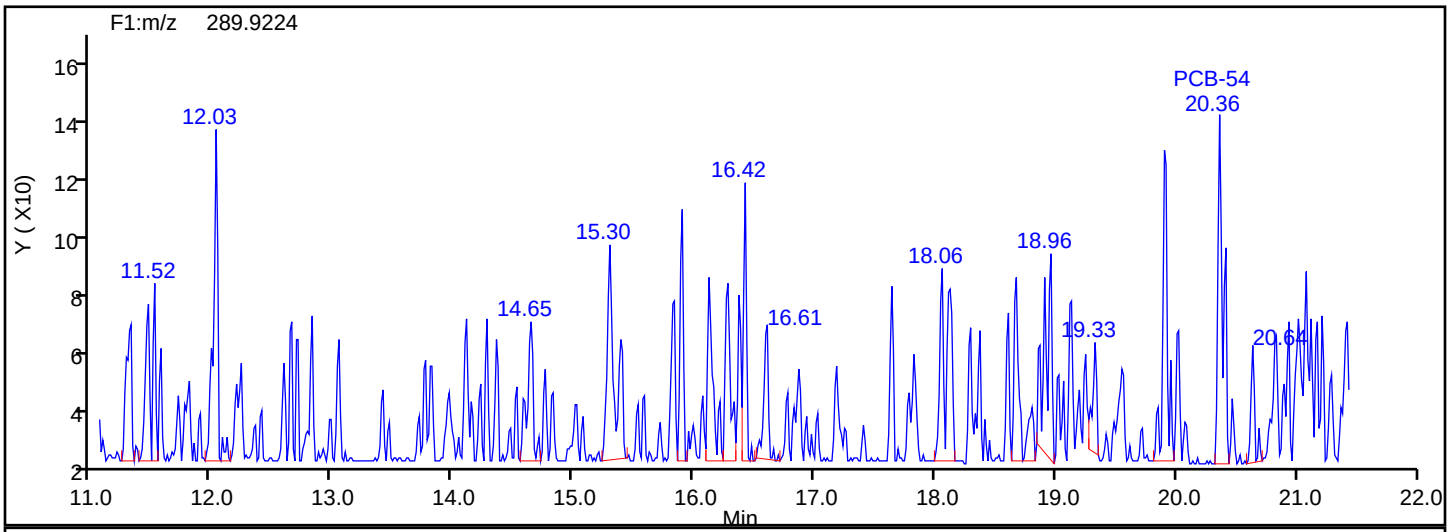


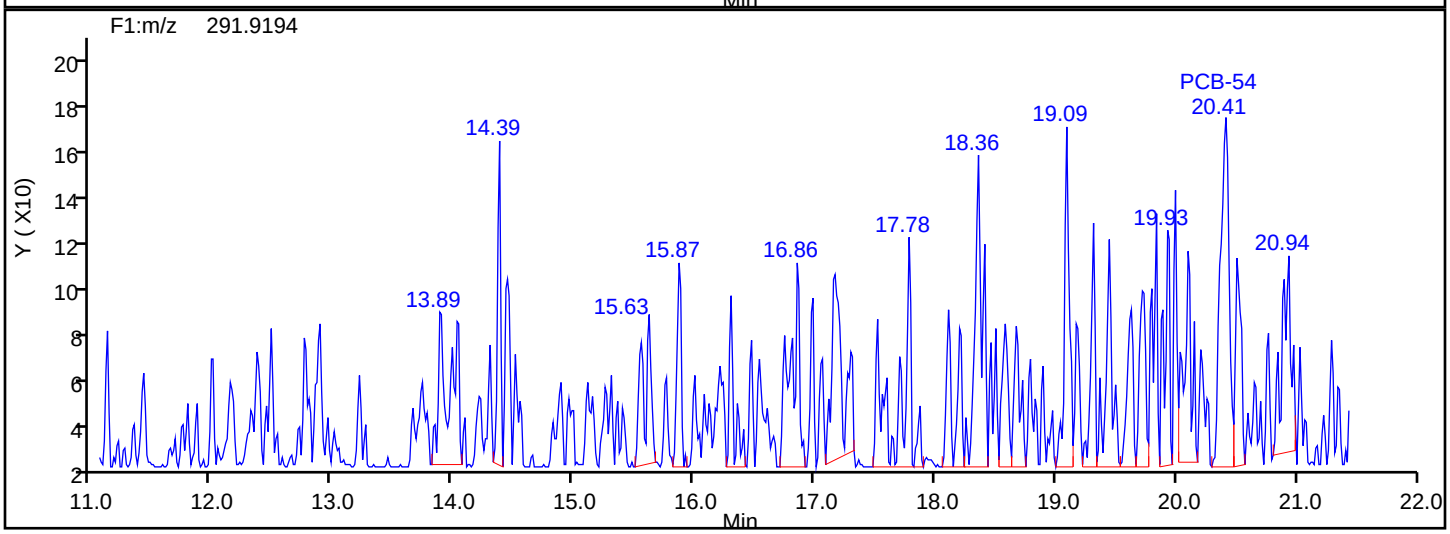



Eurofins TestAmerica, Knoxville

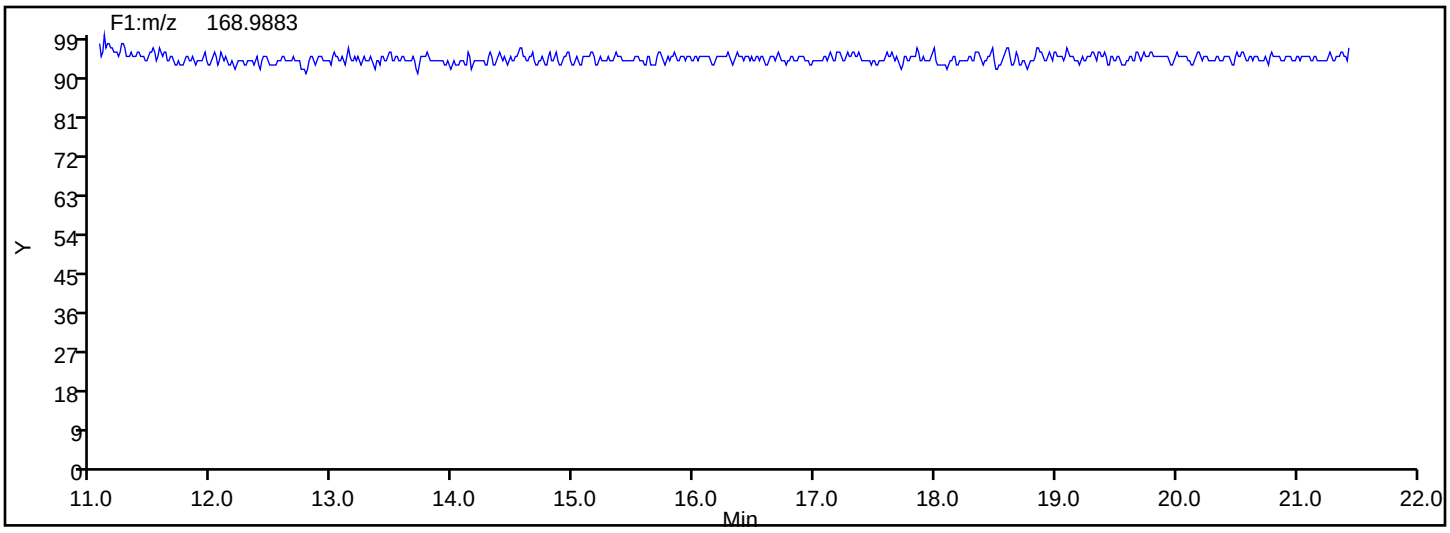
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

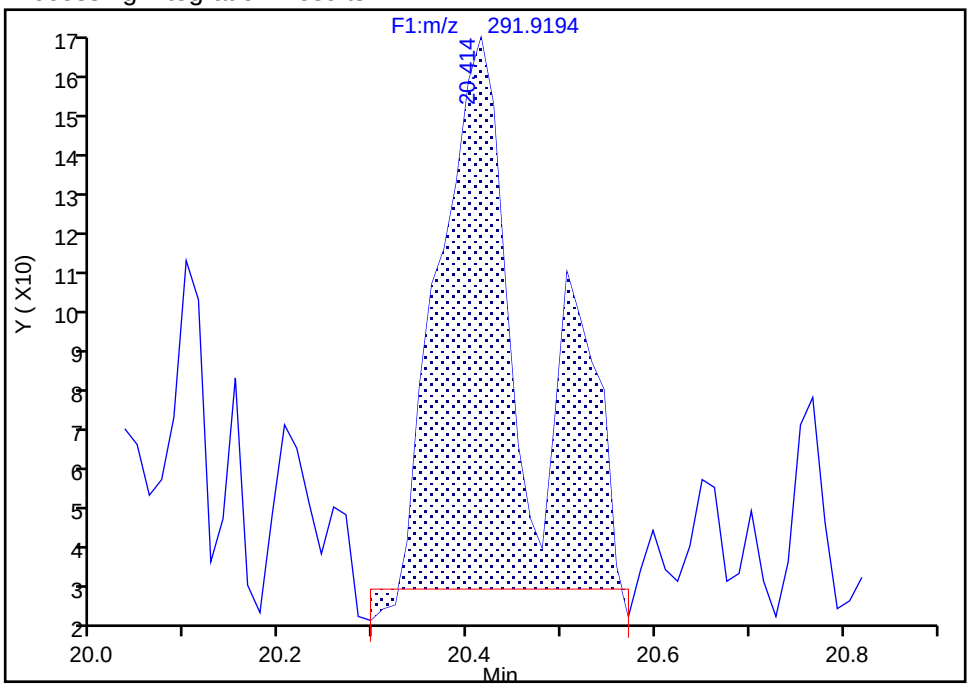
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-54, CAS: 15968-05-5

Signal: 2

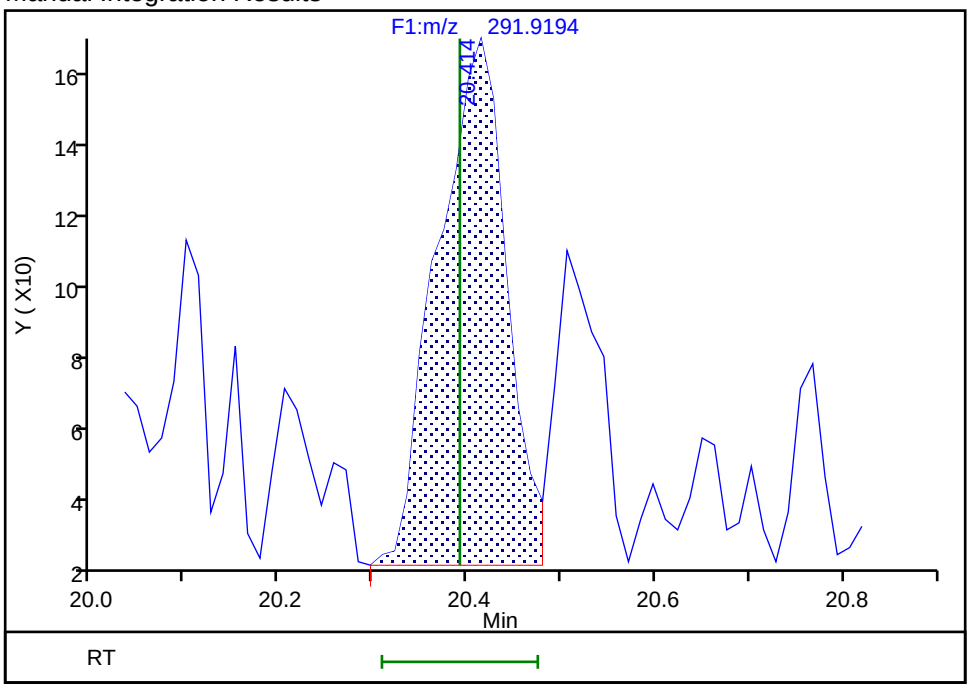
Processing Integration Results

RT: 20.41
Area: 912
Amount: 0.089713
Amount Units: pg/ul




Manual Integration Results

RT: 20.41
Area: 757
Amount: 0.078781
Amount Units: pg/ul



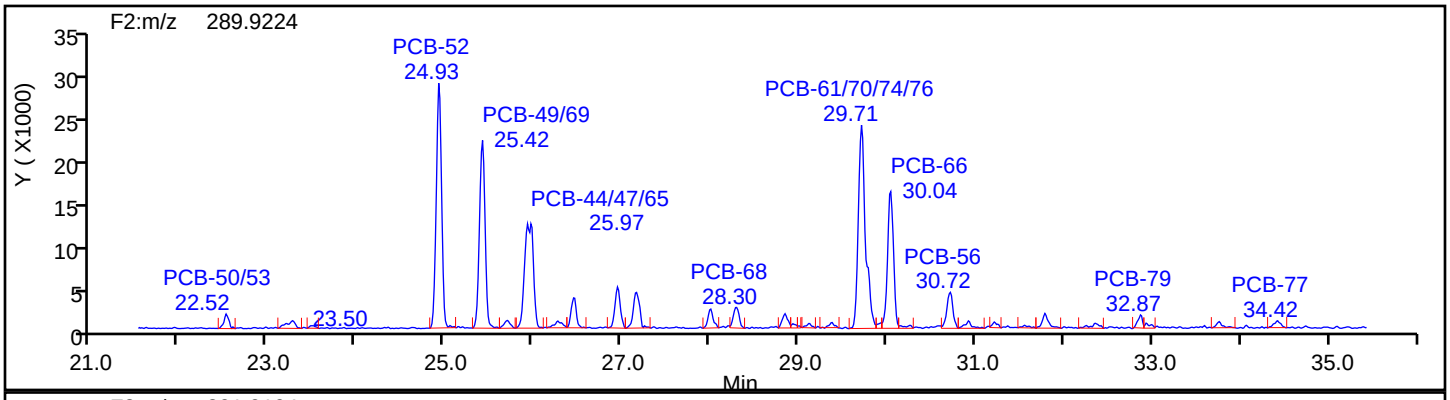

Reviewer: davidsonm, 10-Oct-2019 08:57:24

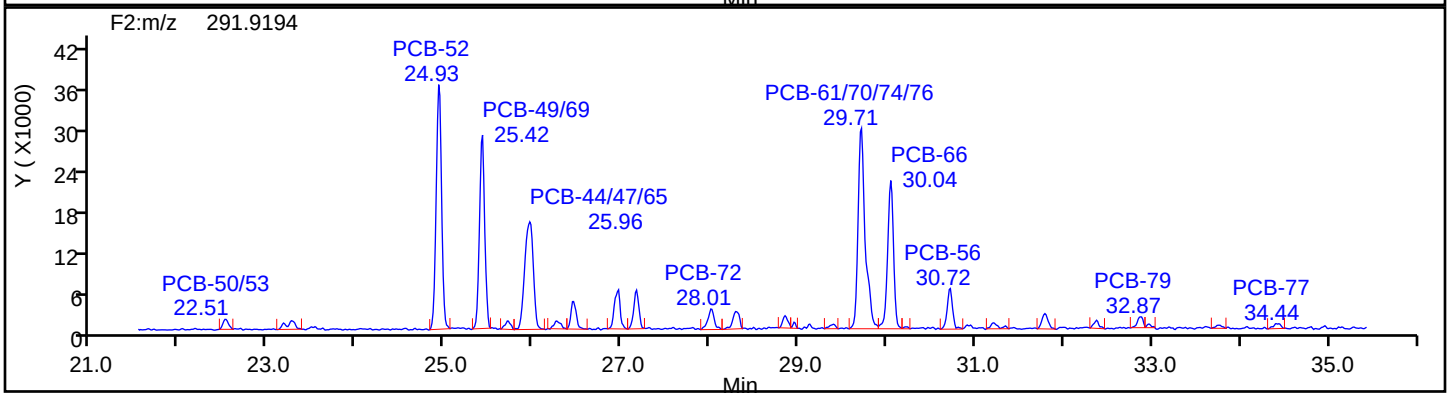
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

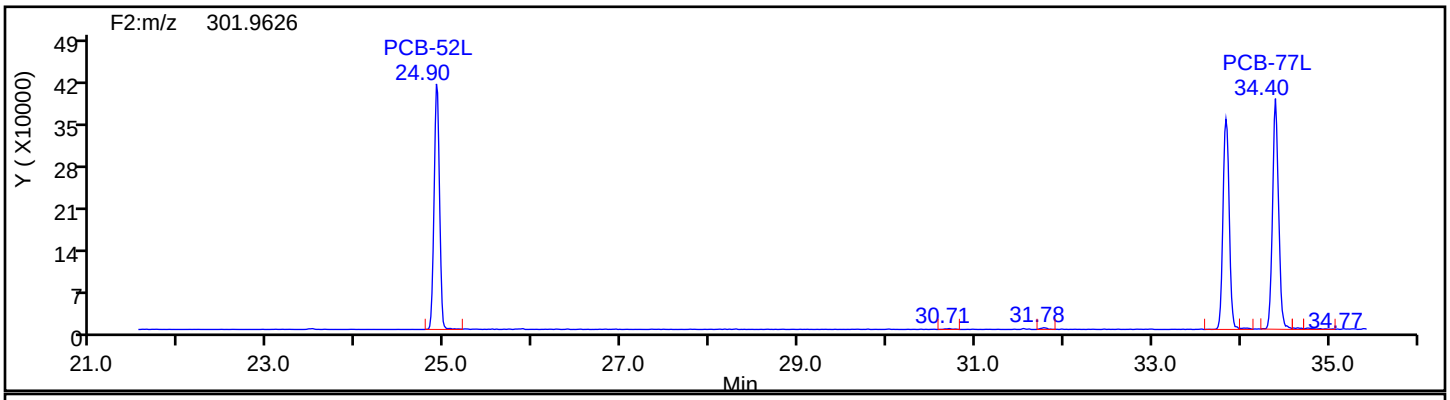
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

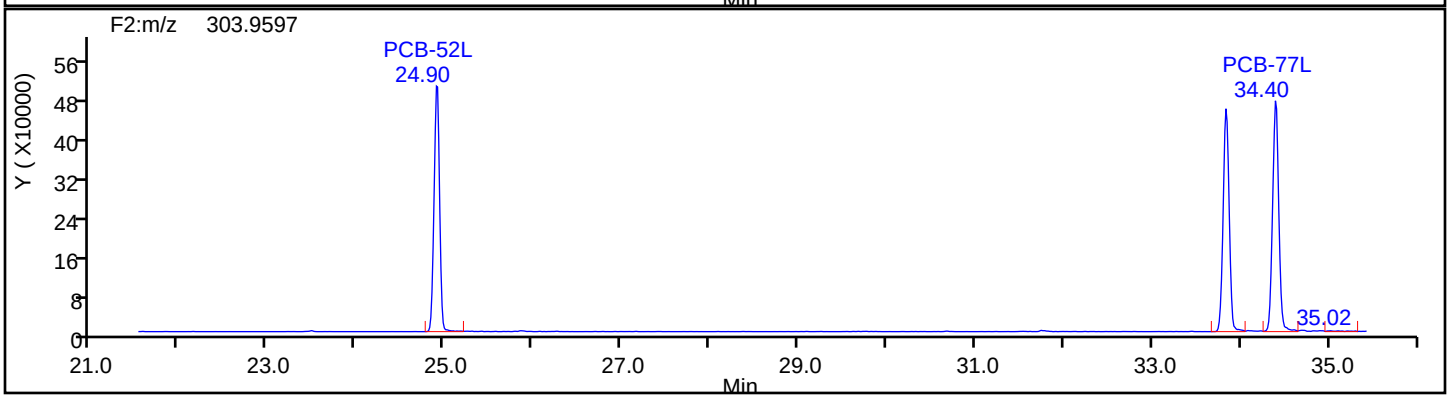
TePCB F2




TePCB F2 Standards

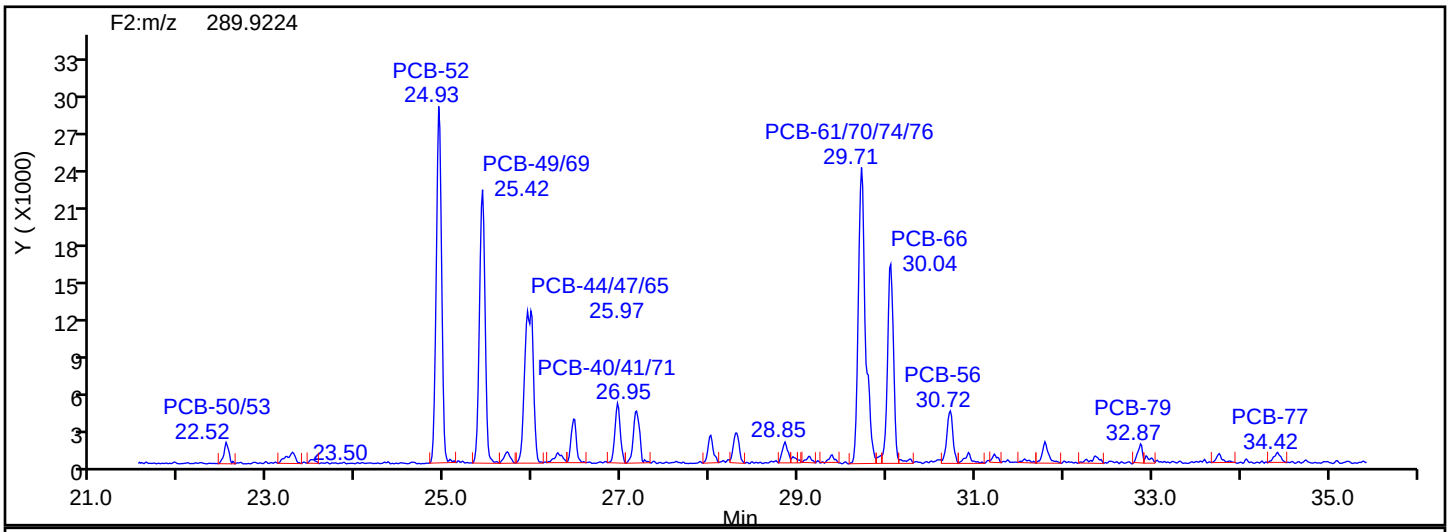


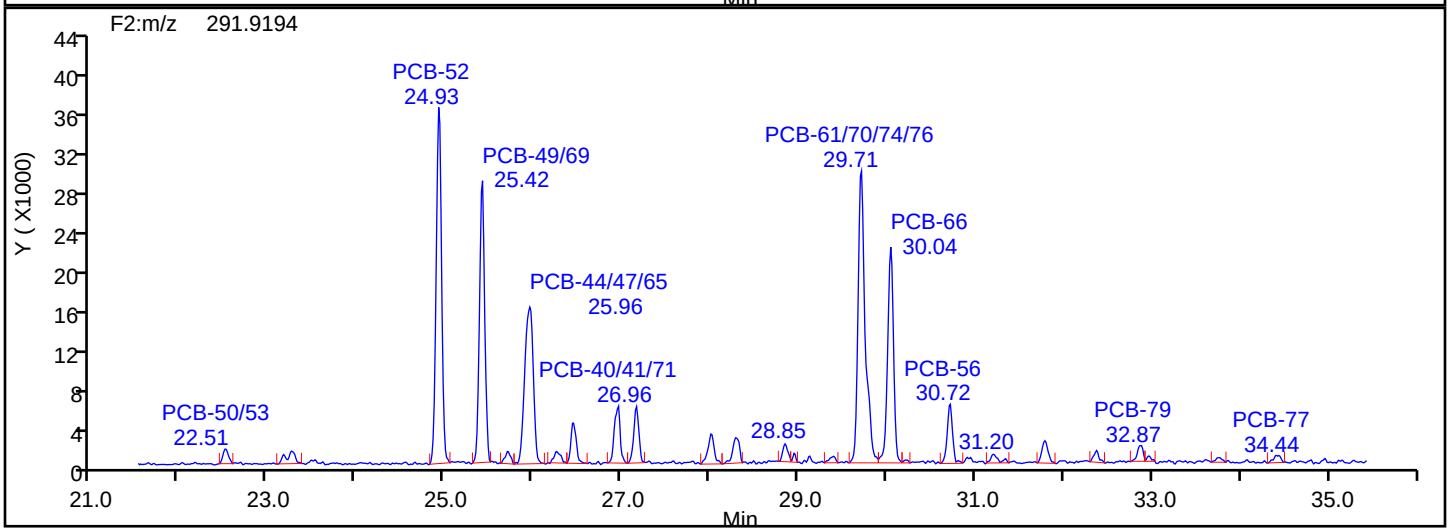



Eurofins TestAmerica, Knoxville

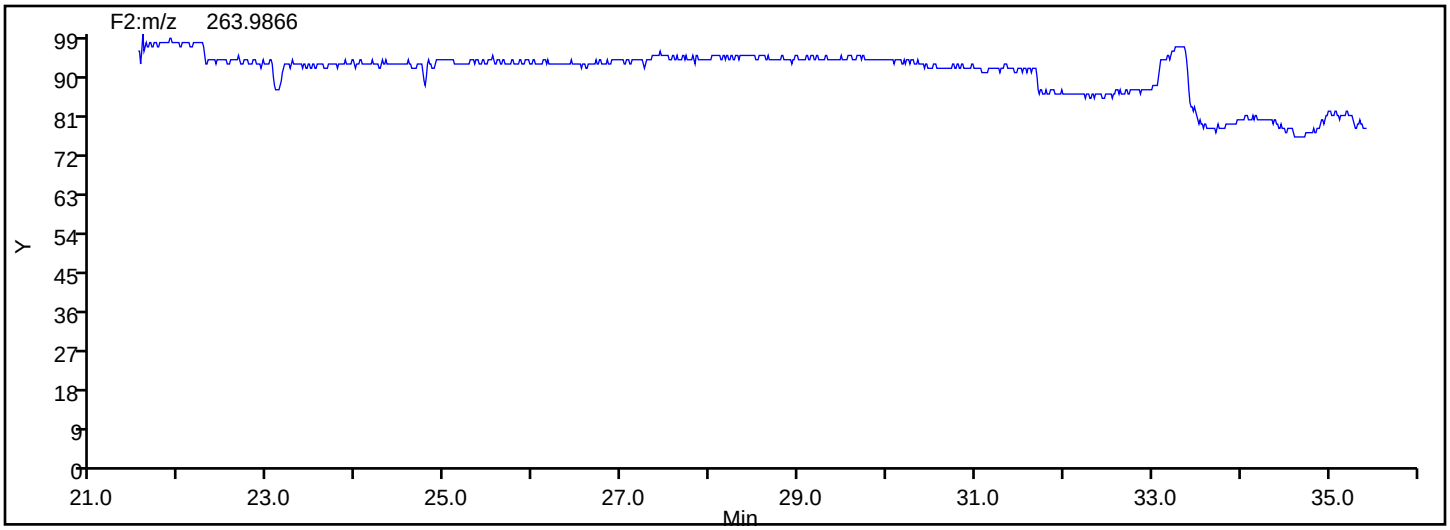
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

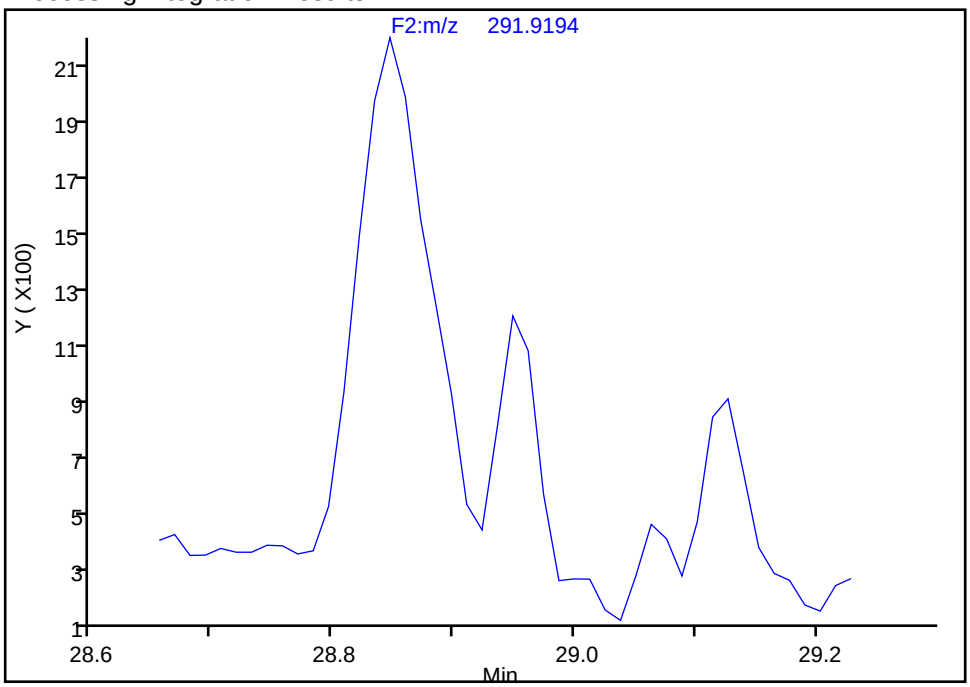
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

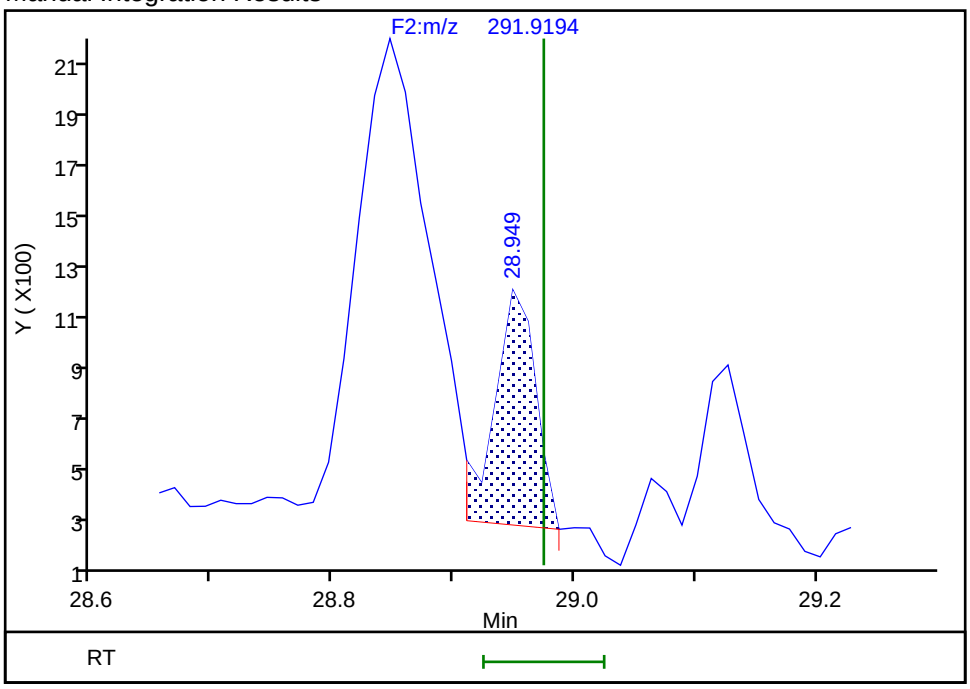
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 28.95
Area: 2094
Amount: 0.071735
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:58:11
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

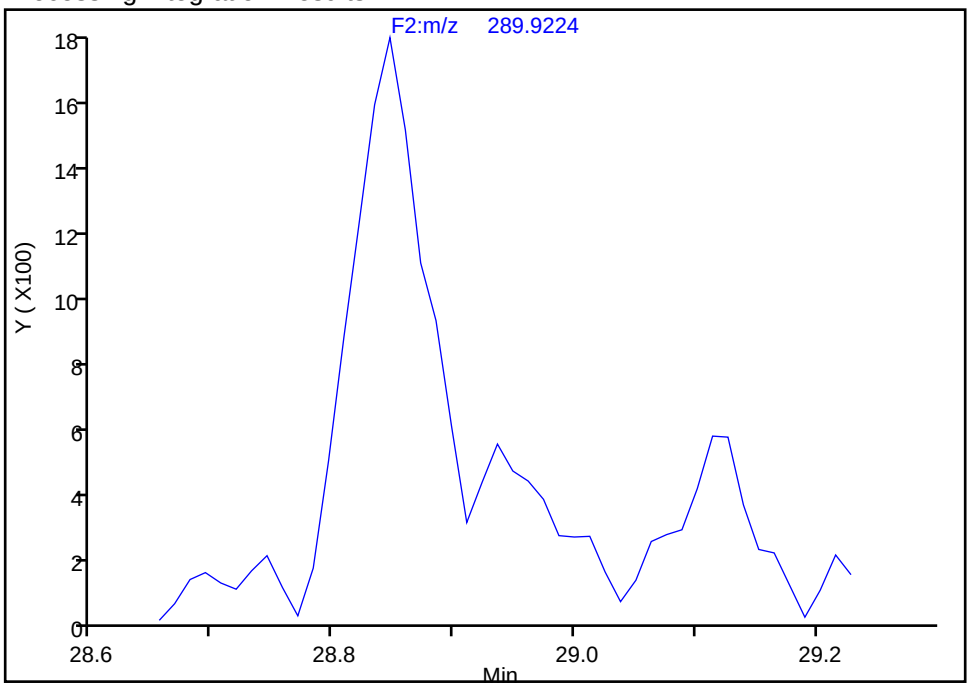
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

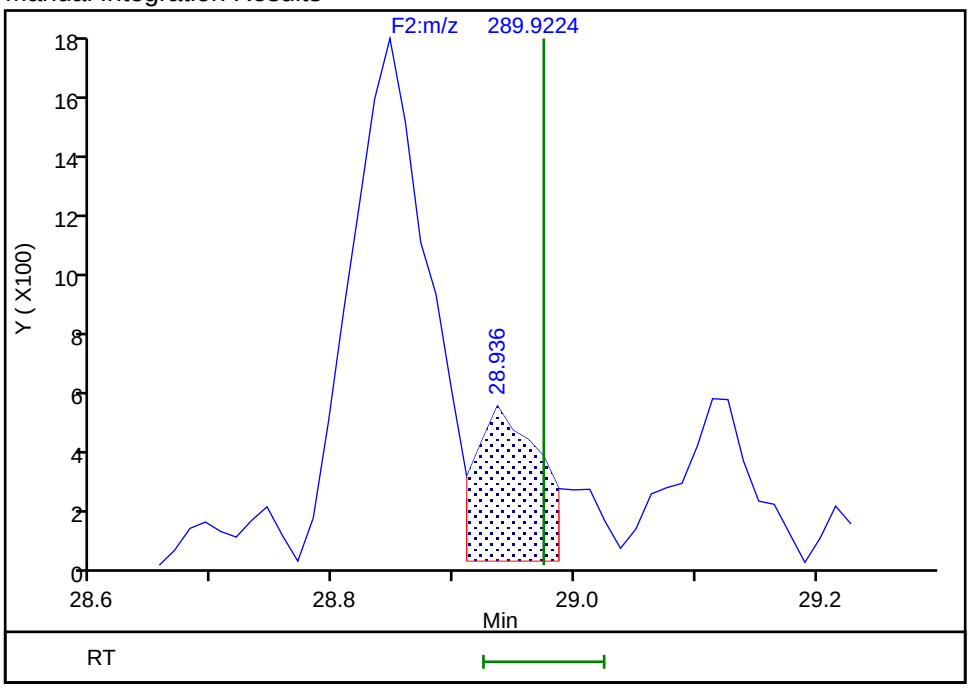
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 28.94
Area: 1740
Amount: 0.071735
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:58:19
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

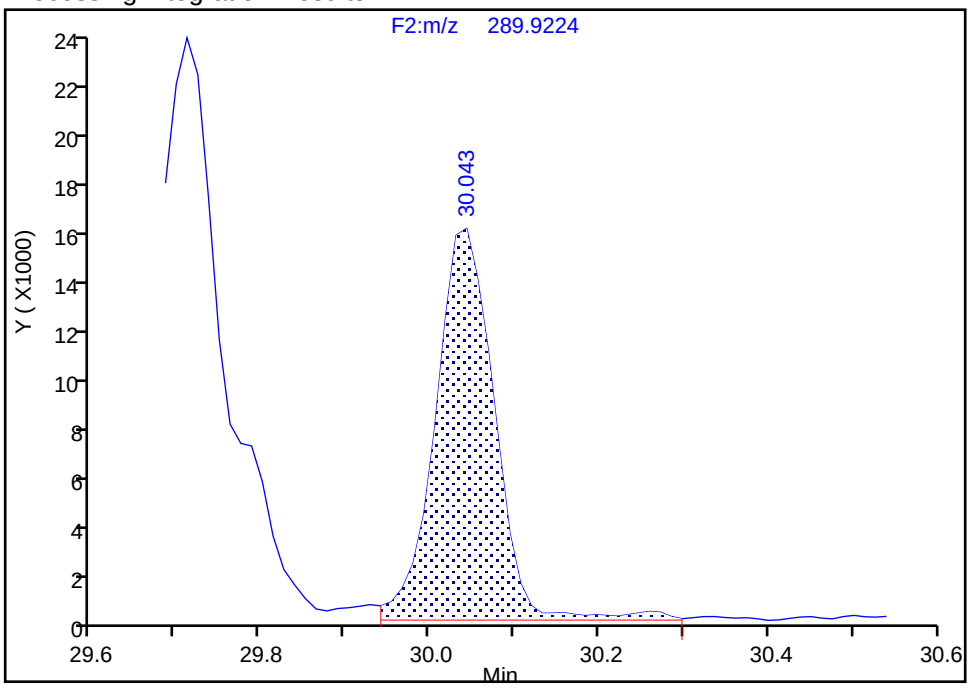
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

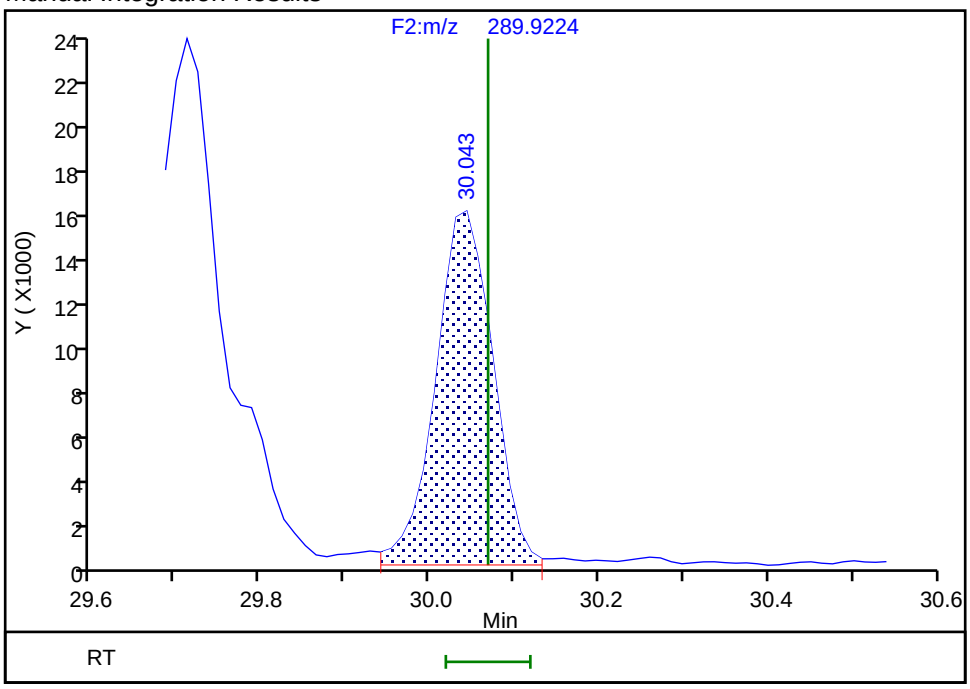
Processing Integration Results

RT: 30.04
Area: 77872
Amount: 3.503776
Amount Units: pg/ul




Manual Integration Results

RT: 30.04
Area: 75537
Amount: 3.437892
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:58:29

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

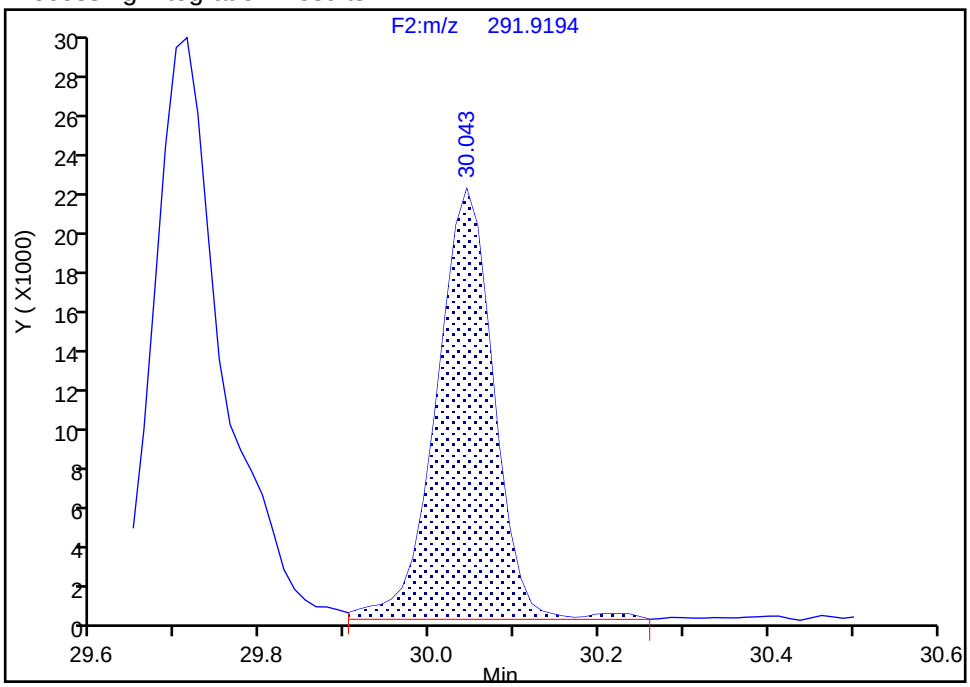
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

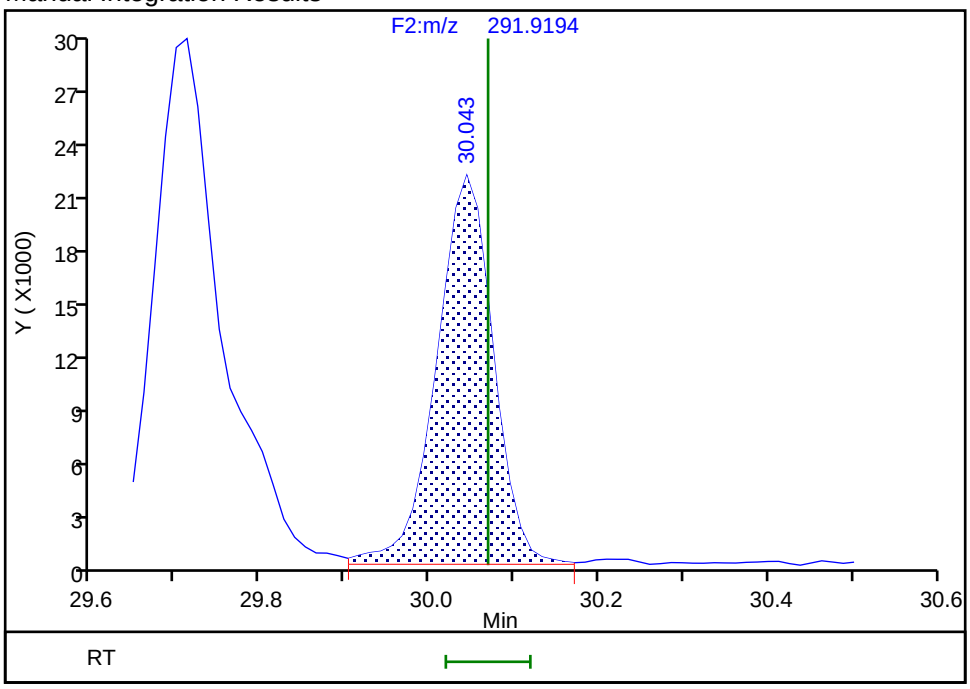
Processing Integration Results

RT: 30.04
Area: 103528
Amount: 3.503776
Amount Units: pg/ul




Manual Integration Results

RT: 30.04
Area: 102452
Amount: 3.437892
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:58:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

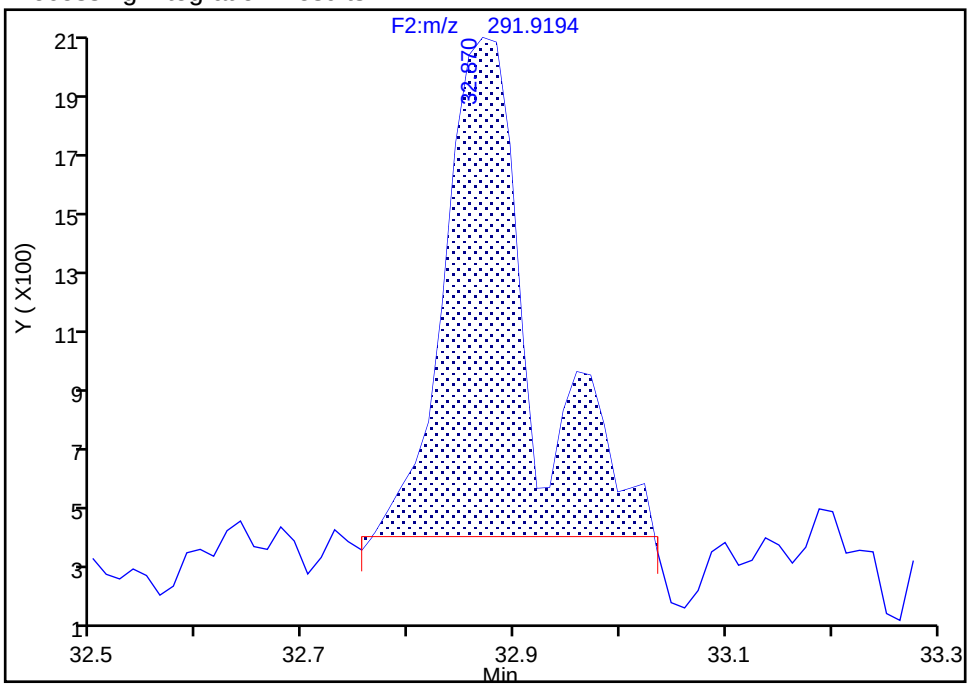
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-79, CAS: 41464-48-6

Signal: 2

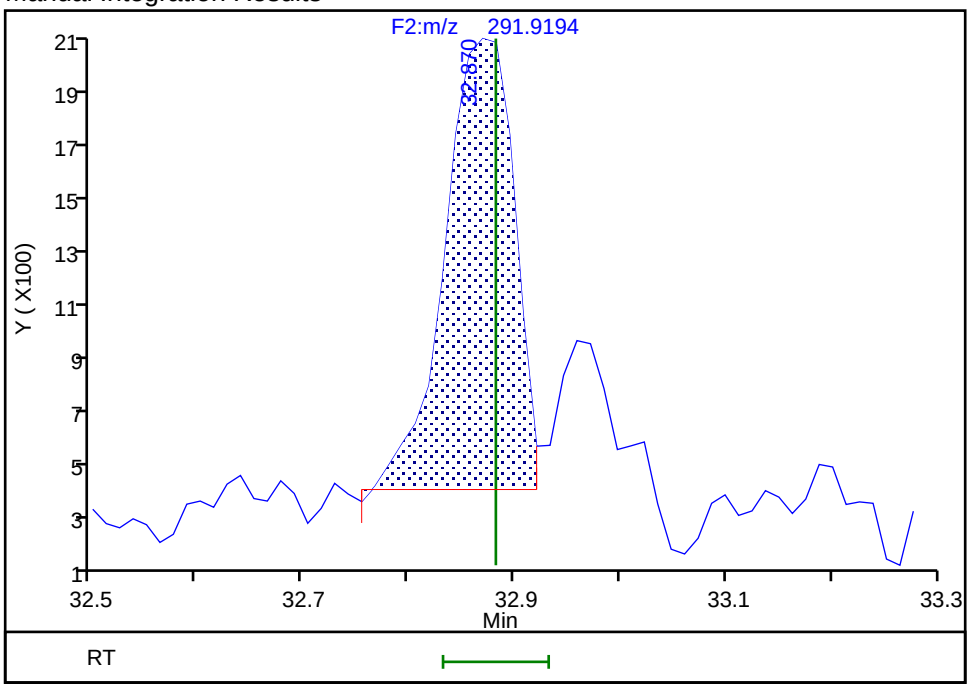
Processing Integration Results

RT: 32.87
Area: 9195
Amount: 0.234744
Amount Units: pg/ul




Manual Integration Results

RT: 32.87
Area: 7294
Amount: 0.204267
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:58:42

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

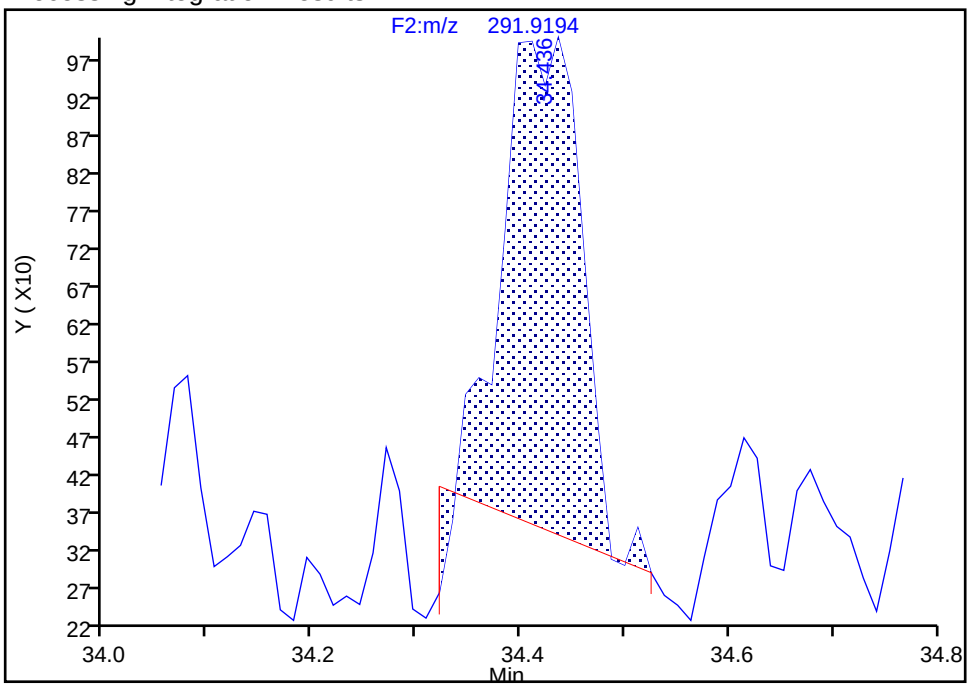
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-77, CAS: 32598-13-3

Signal: 2

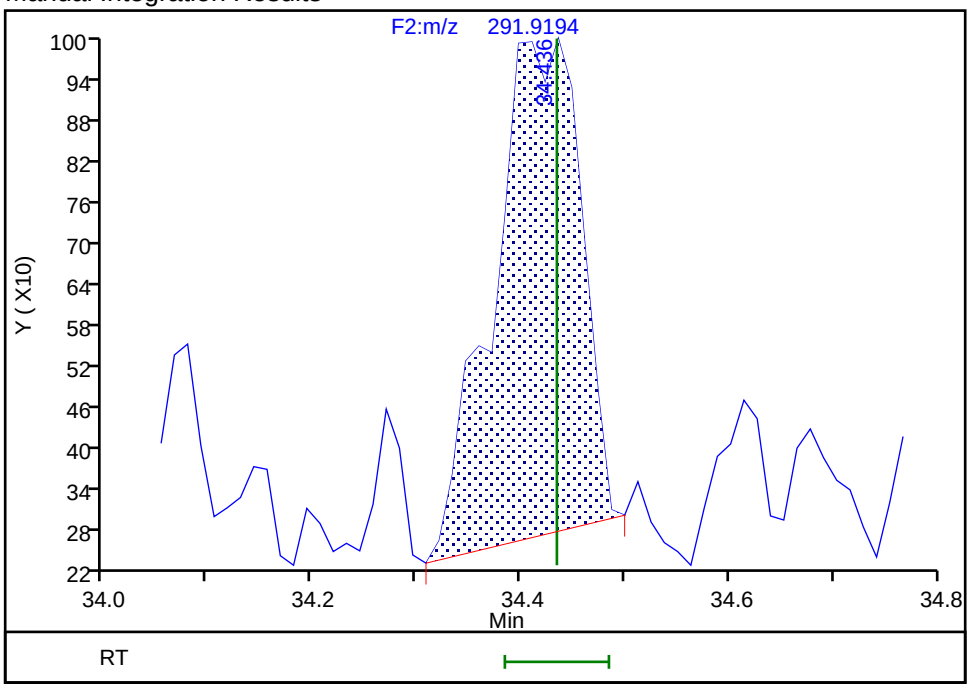
Processing Integration Results

RT: 34.44
Area: 3357
Amount: 0.135668
Amount Units: pg/ul




Manual Integration Results

RT: 34.44
Area: 4257
Amount: 0.151917
Amount Units: pg/ul



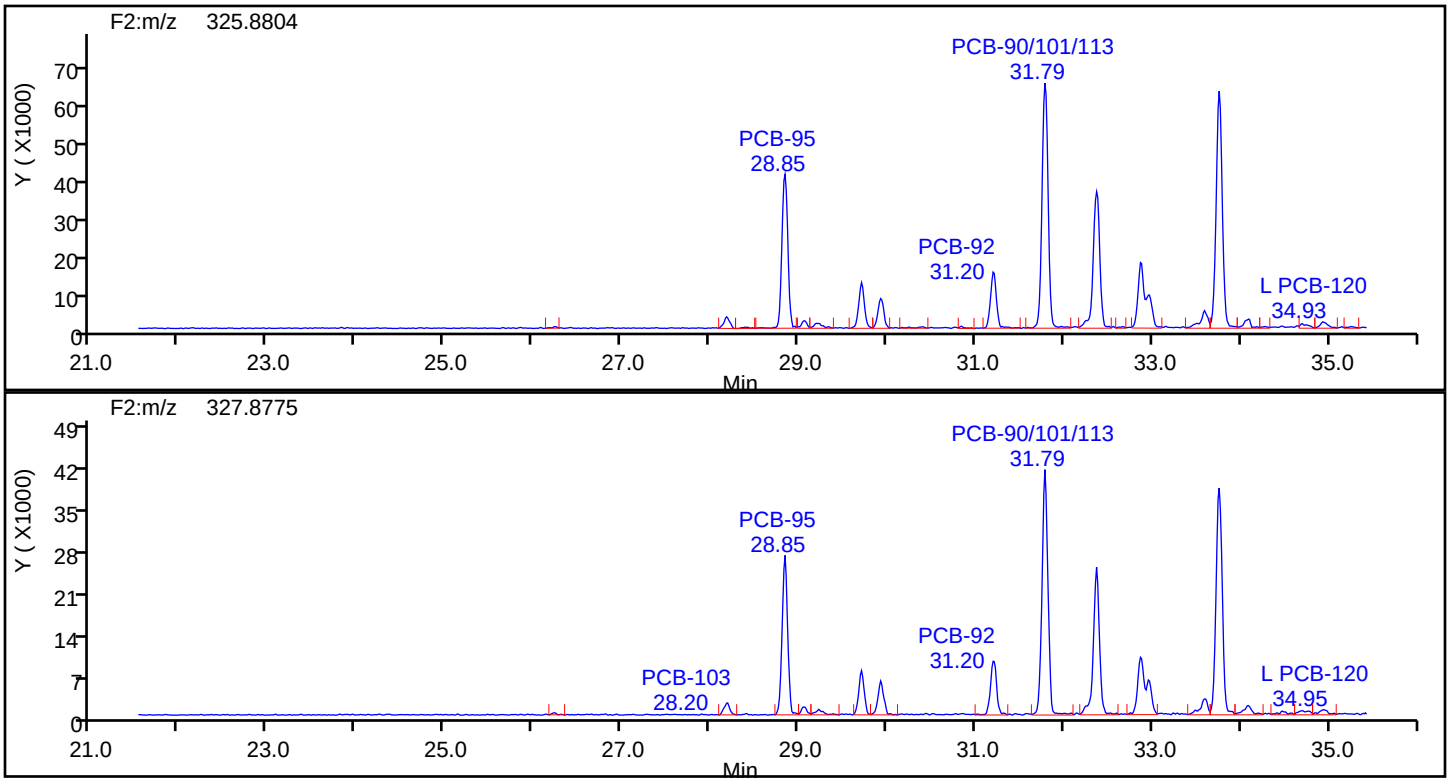

Reviewer: davidsonm, 10-Oct-2019 08:58:57

Audit Action: Manually Integrated Audit Reason: Baseline

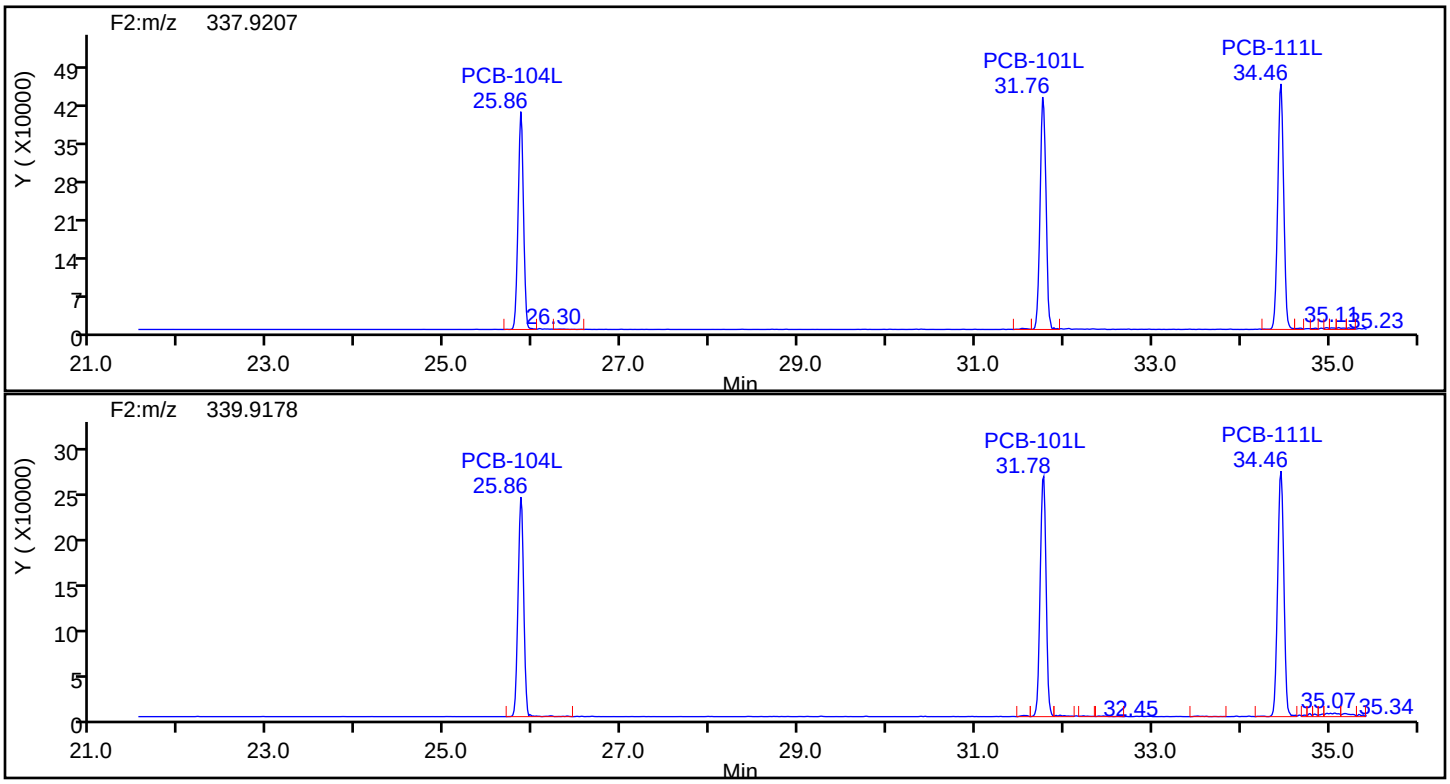
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



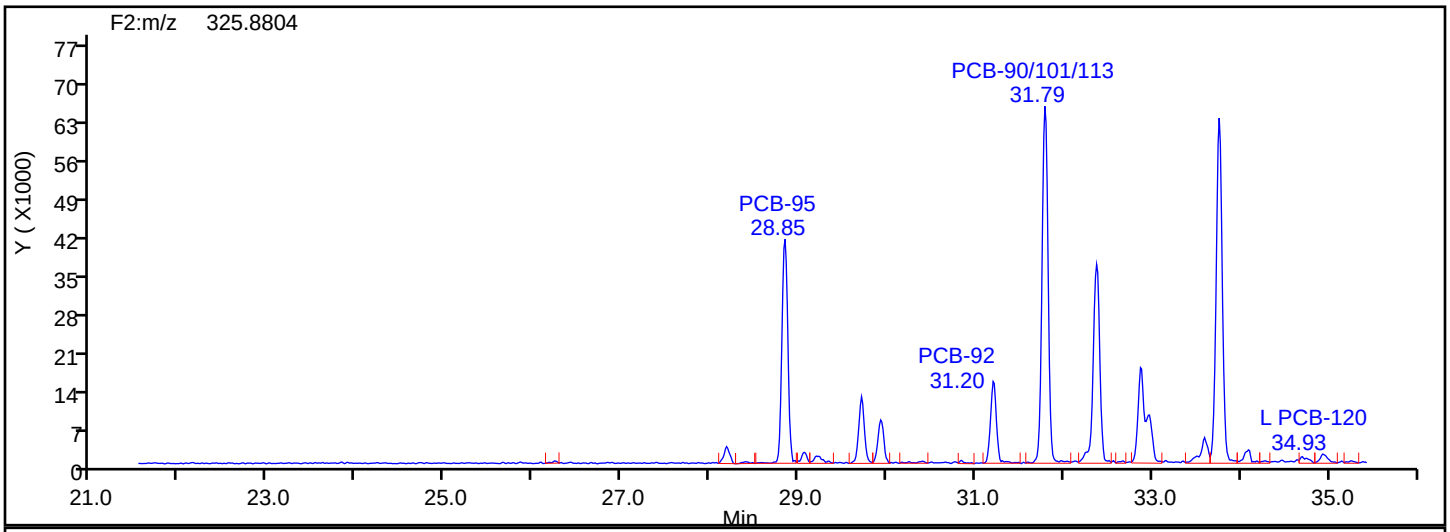

PePCB F2 Standards

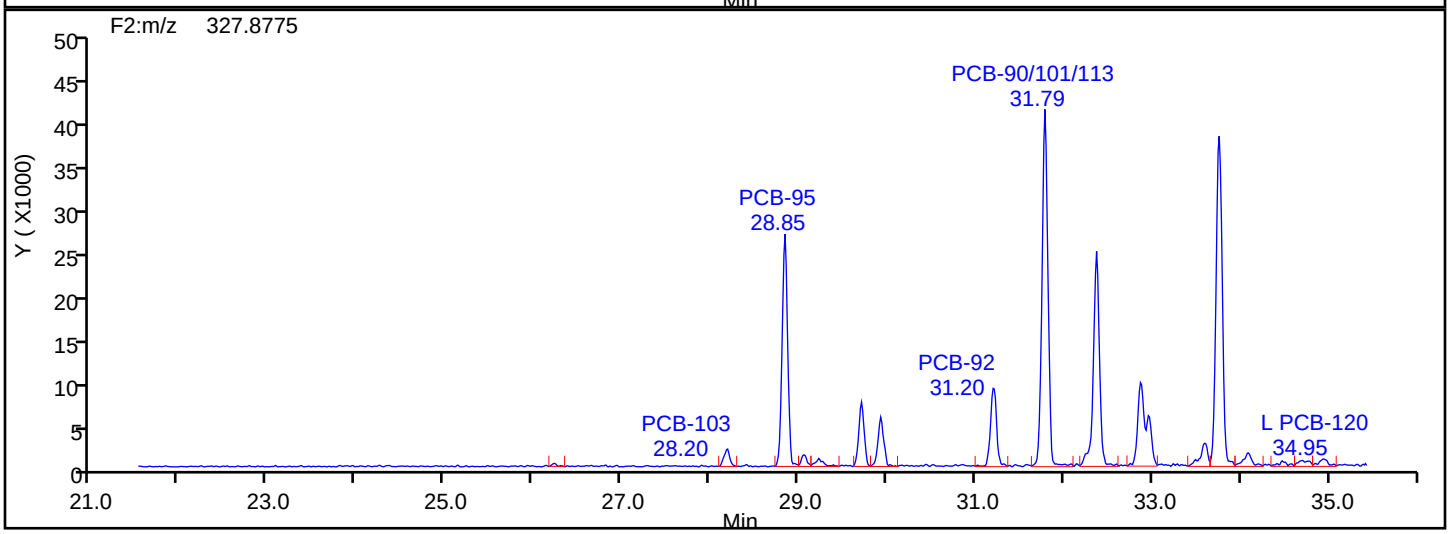


Eurofins TestAmerica, Knoxville

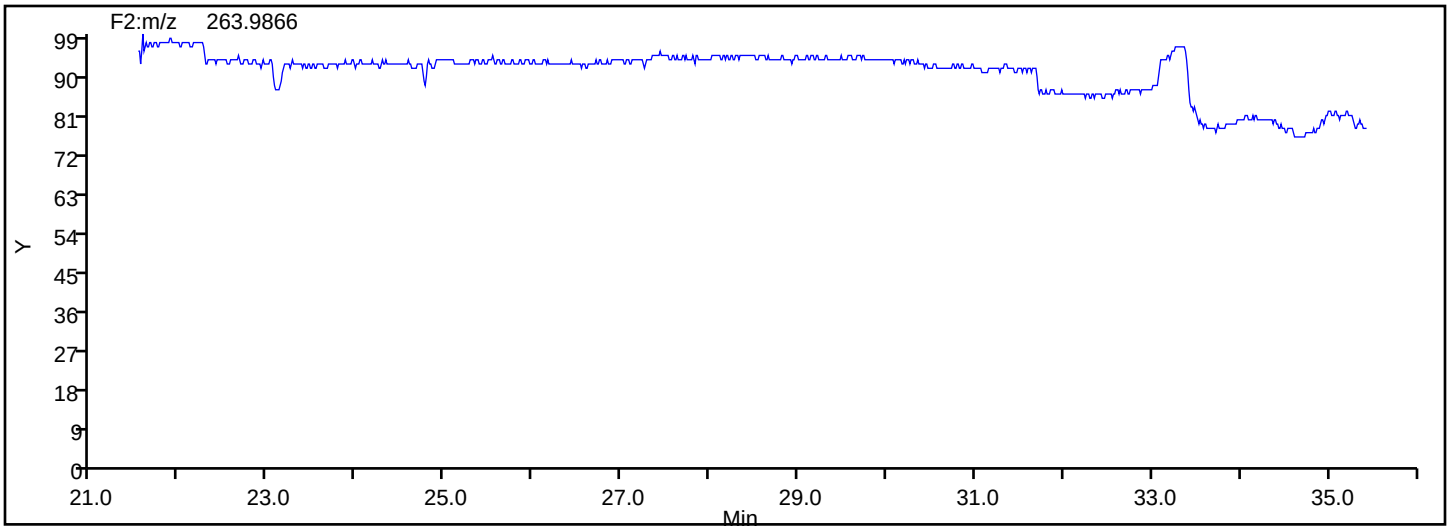
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

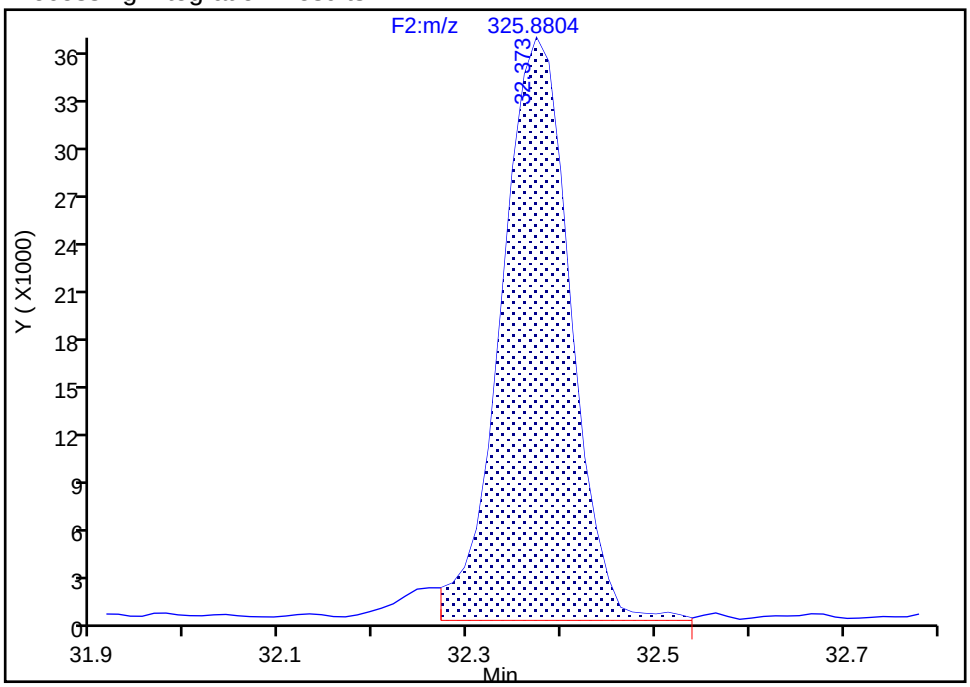
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

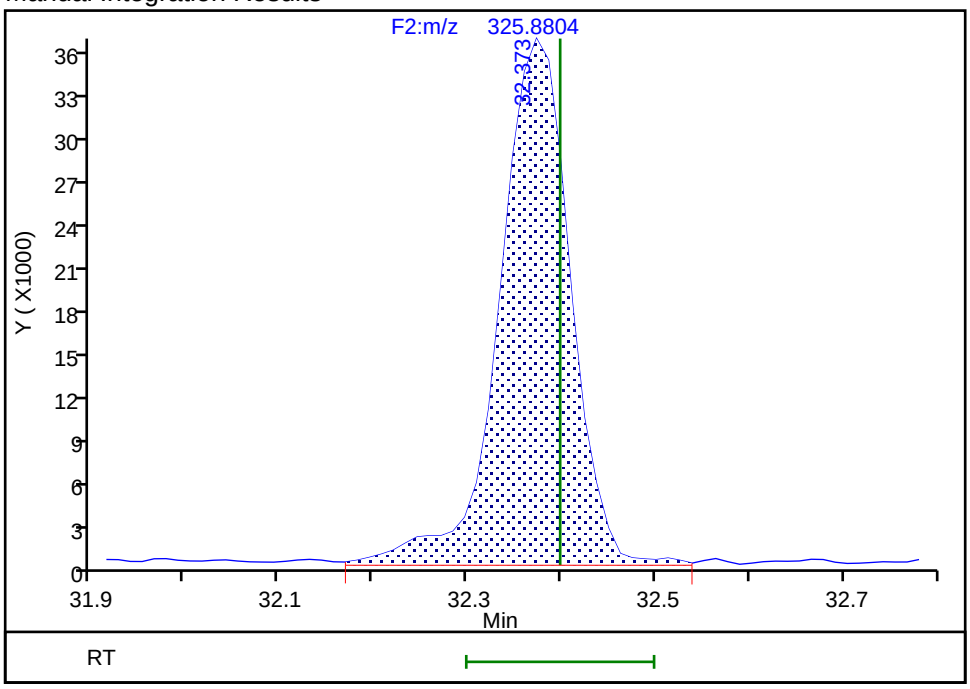
Processing Integration Results

RT: 32.37
Area: 185024
Amount: 11.639494
Amount Units: pg/ul




Manual Integration Results

RT: 32.37
Area: 192093
Amount: 11.908663
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:59:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

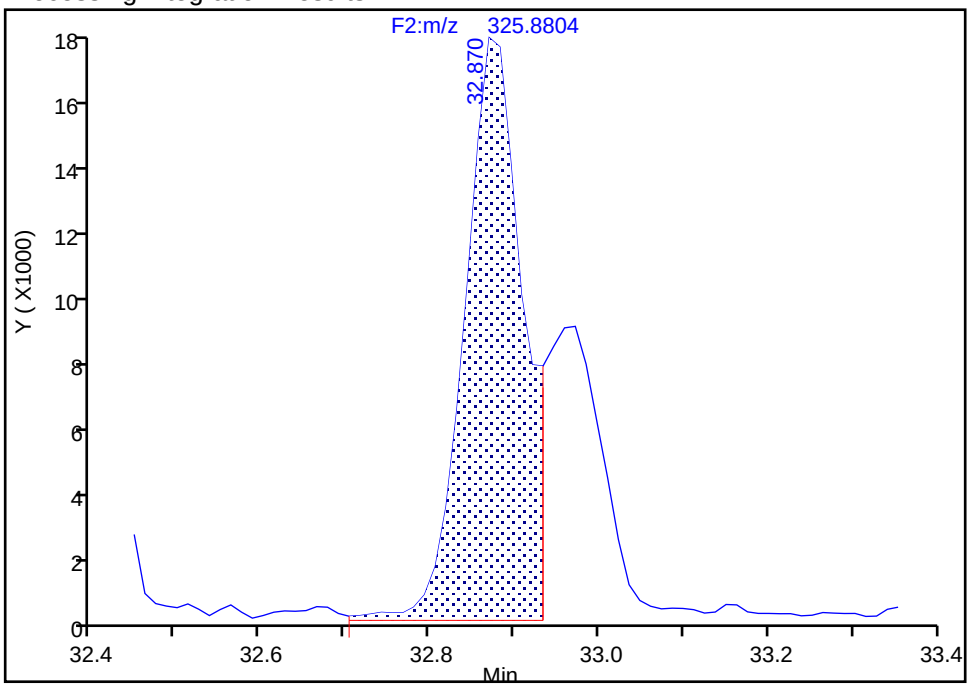
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

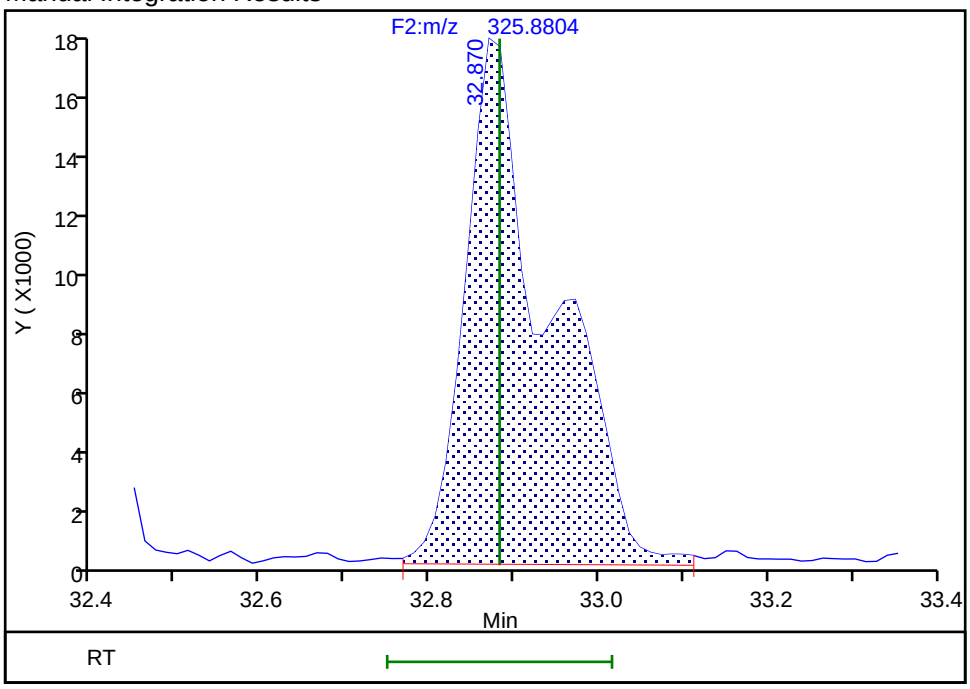
Processing Integration Results

RT: 32.87
Area: 82035
Amount: 3.928218
Amount Units: pg/ul




Manual Integration Results

RT: 32.87
Area: 121368
Amount: 5.768405
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:59:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

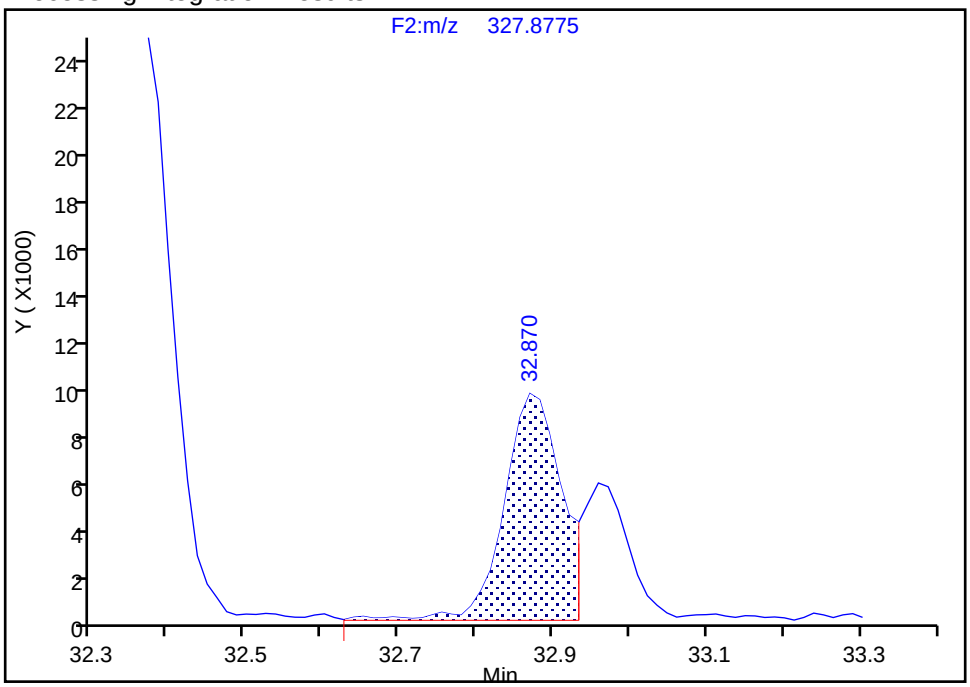
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

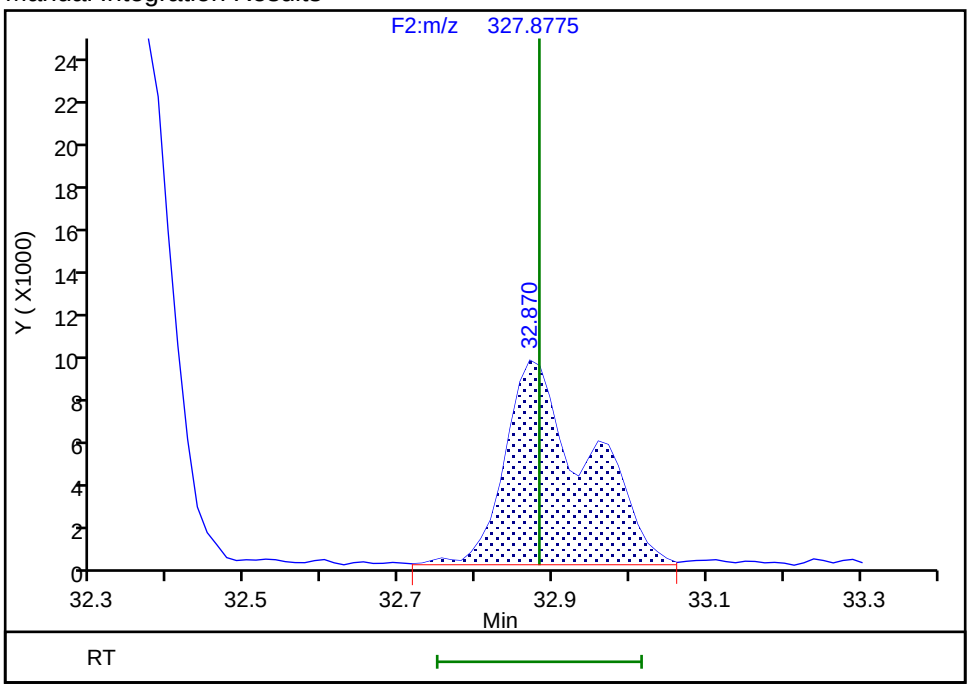
Processing Integration Results

RT: 32.87
Area: 49295
Amount: 3.928218
Amount Units: pg/ul




Manual Integration Results

RT: 32.87
Area: 71484
Amount: 5.768405
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 08:59:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

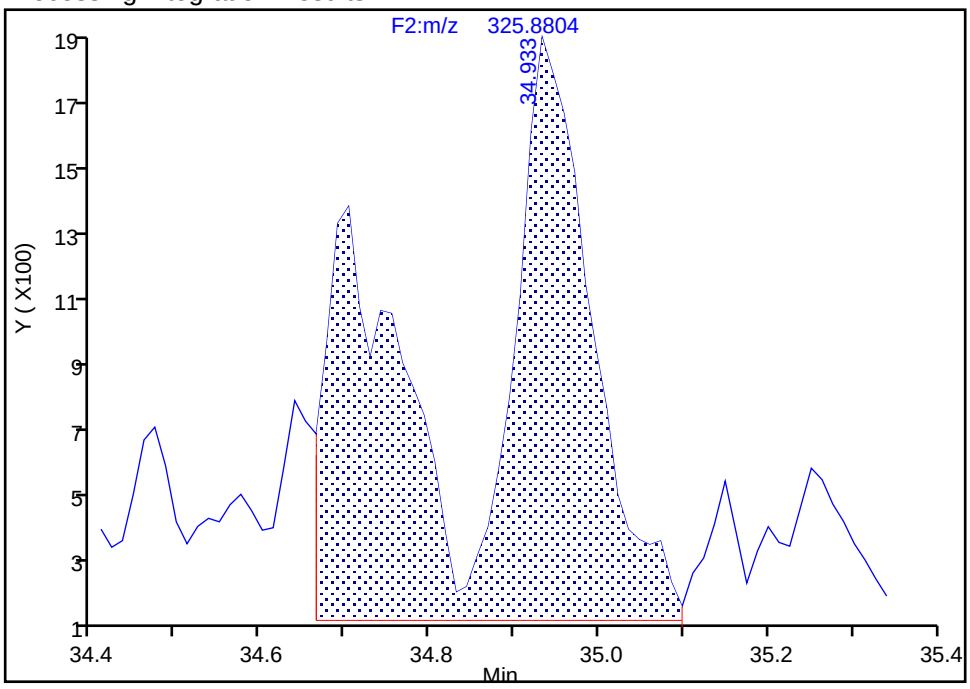
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-120, CAS: 68194-12-7

Signal: 1

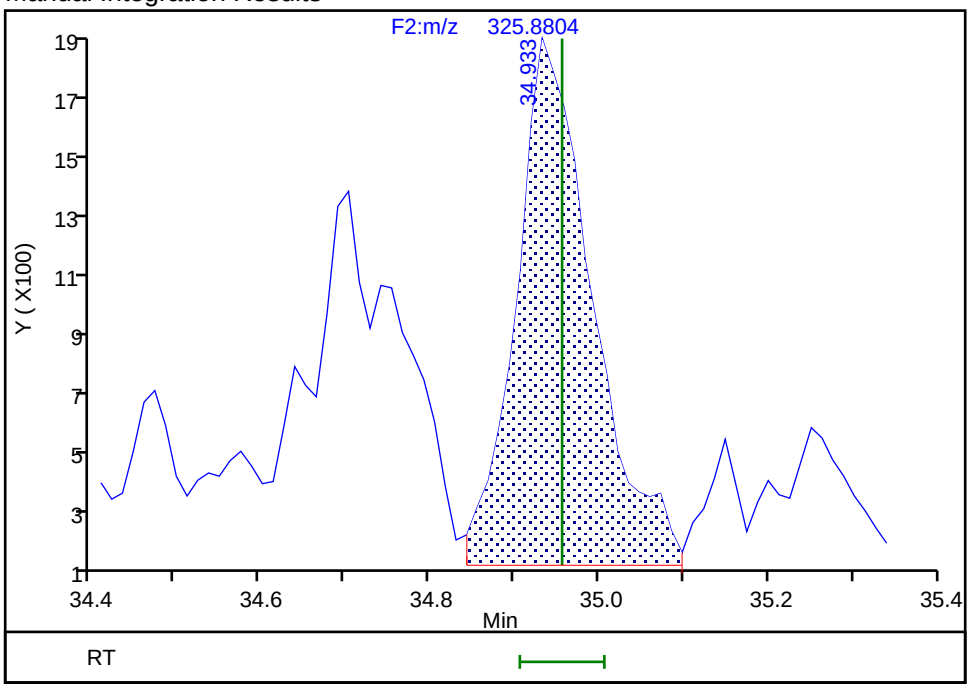
Processing Integration Results

RT: 34.93
Area: 17831
Amount: 0.734824
Amount Units: pg/ul




Manual Integration Results

RT: 34.93
Area: 10464
Amount: 0.410347
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:00:10

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

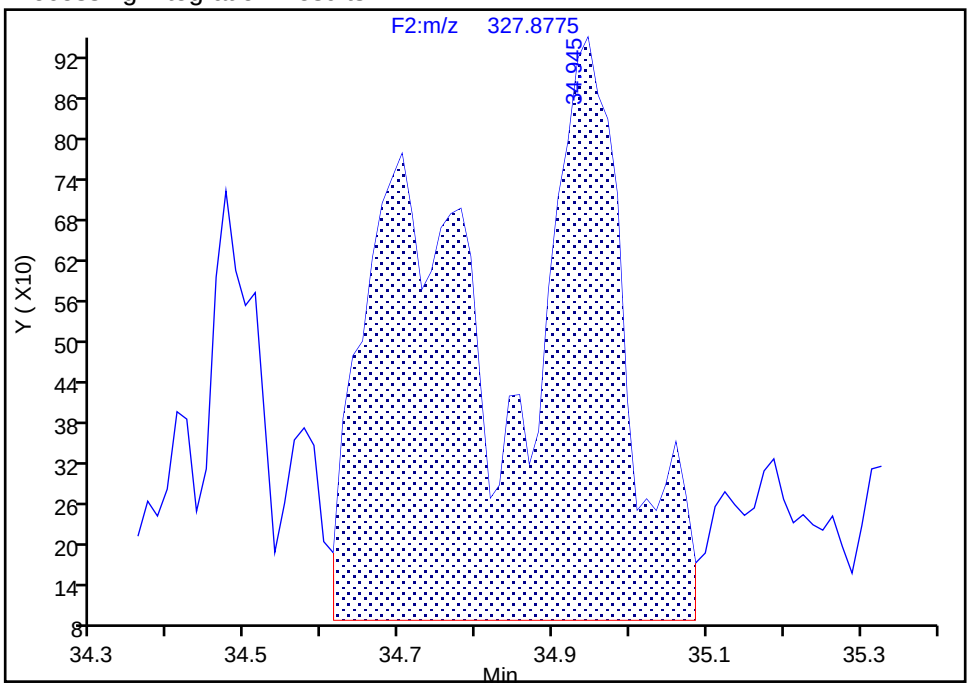
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-120, CAS: 68194-12-7

Signal: 2

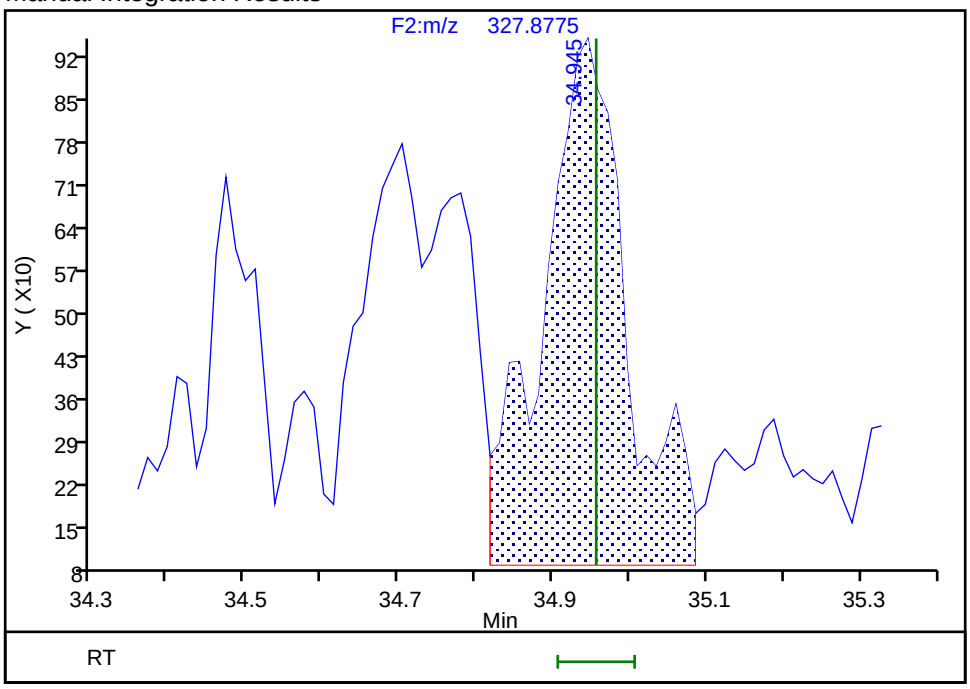
Processing Integration Results

RT: 34.95
Area: 12796
Amount: 0.734824
Amount Units: pg/ul




Manual Integration Results

RT: 34.95
Area: 6639
Amount: 0.410347
Amount Units: pg/ul

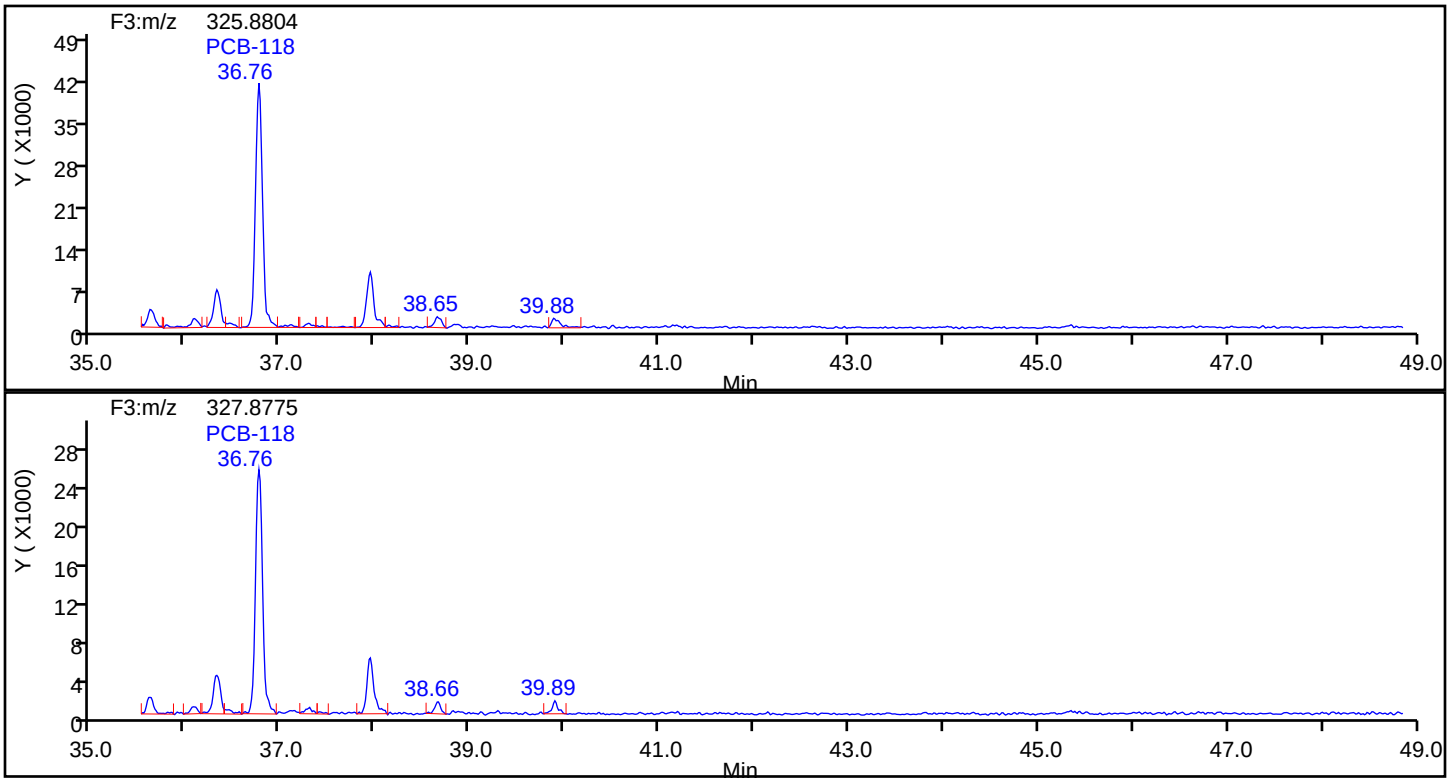



Reviewer: davidsonm, 10-Oct-2019 09:00:12
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

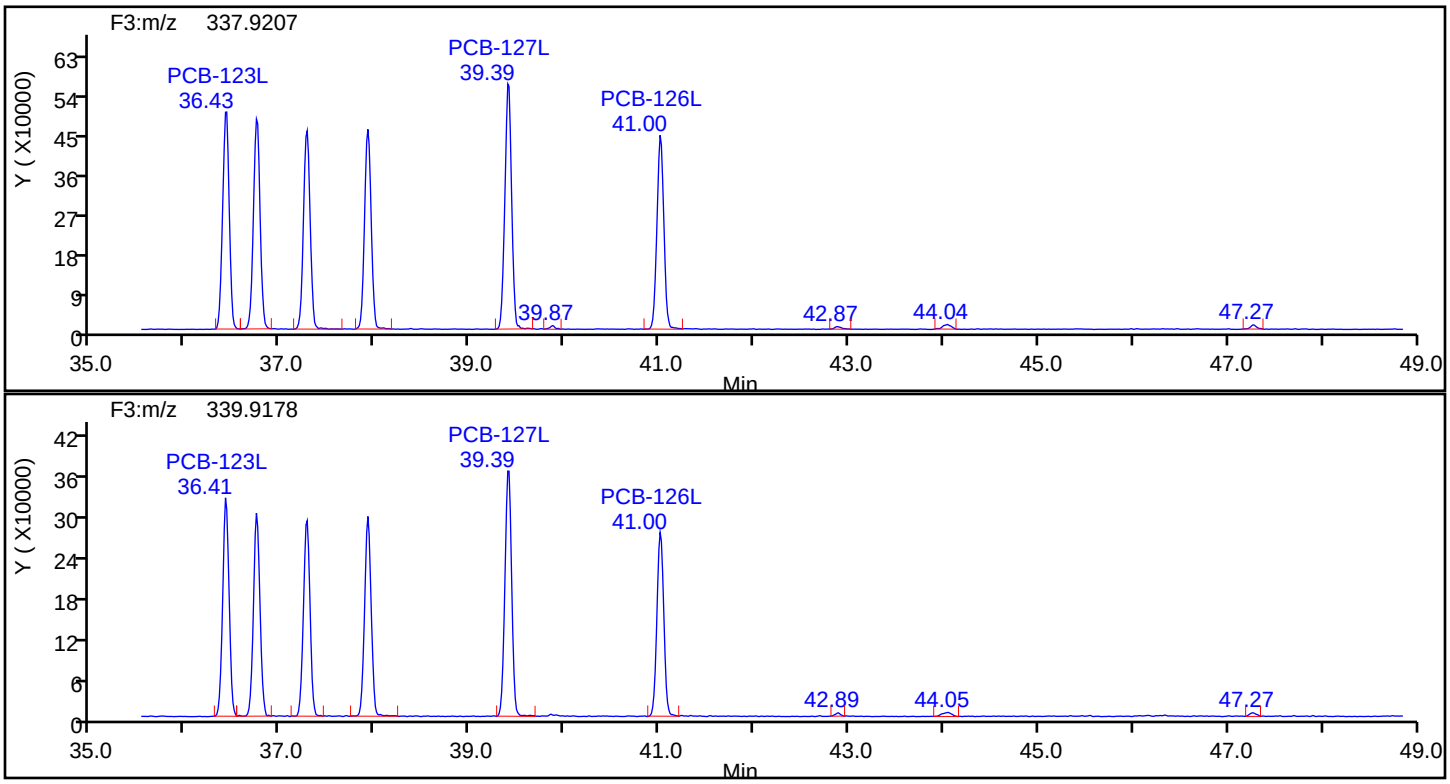
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



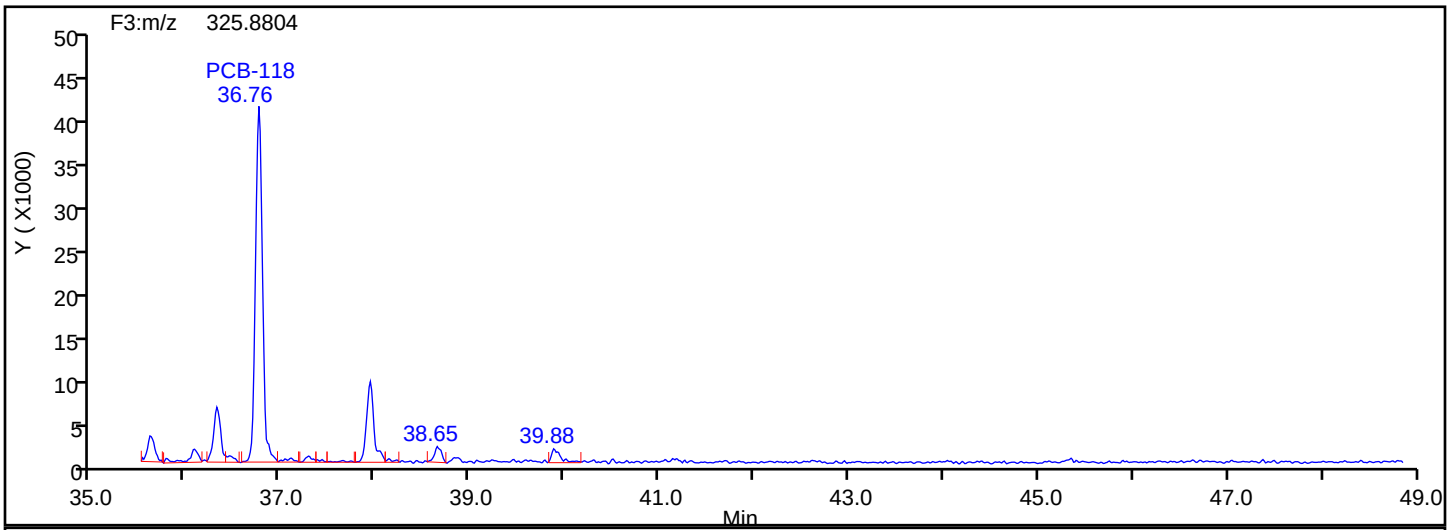

PePCB F3 Standards

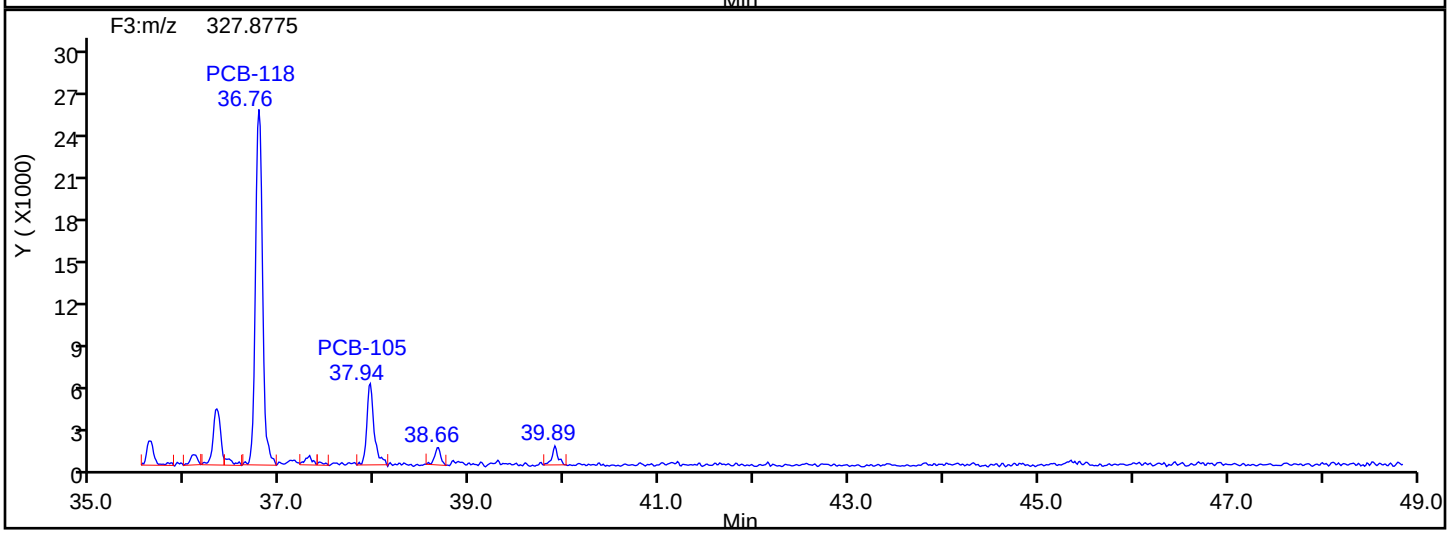


Eurofins TestAmerica, Knoxville

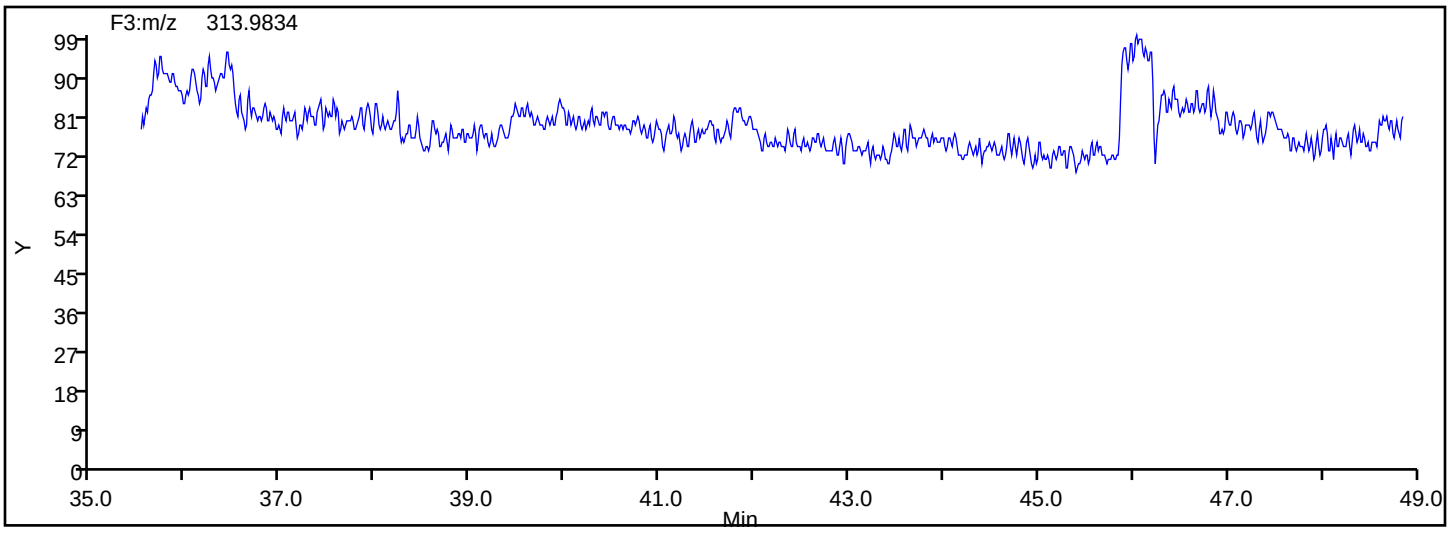
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

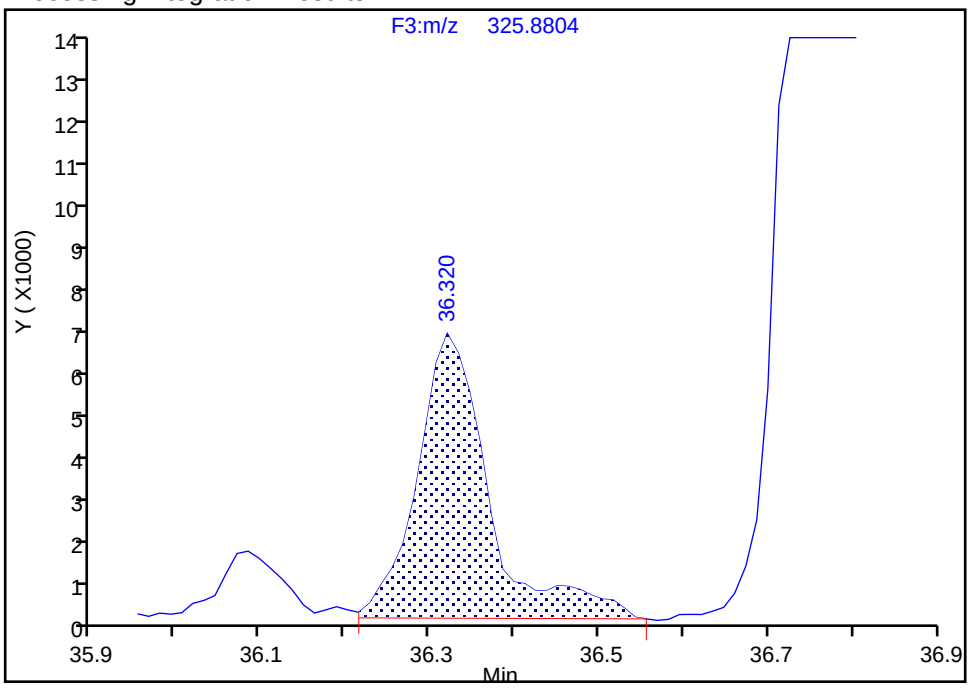
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

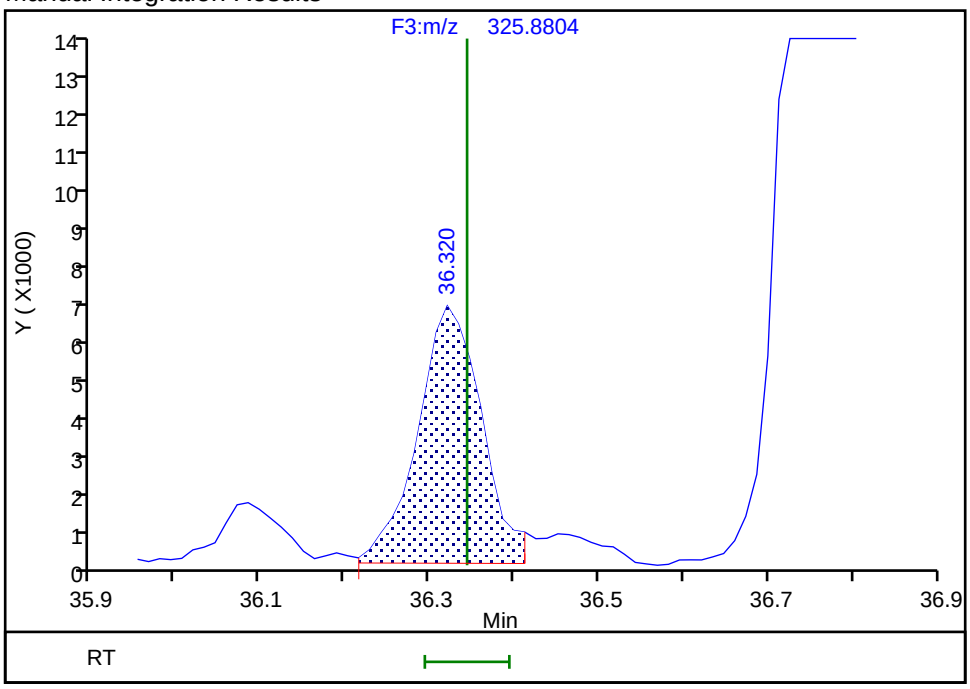
Processing Integration Results

RT: 36.32
Area: 37369
Amount: 1.220196
Amount Units: pg/ul




Manual Integration Results

RT: 36.32
Area: 33145
Amount: 1.079912
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:00:24

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

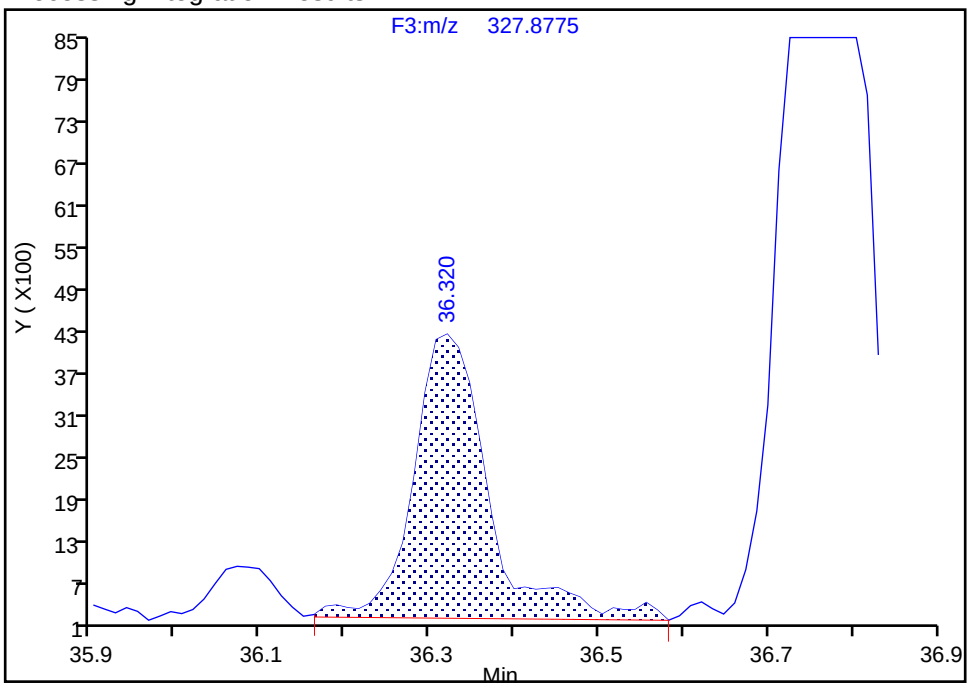
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

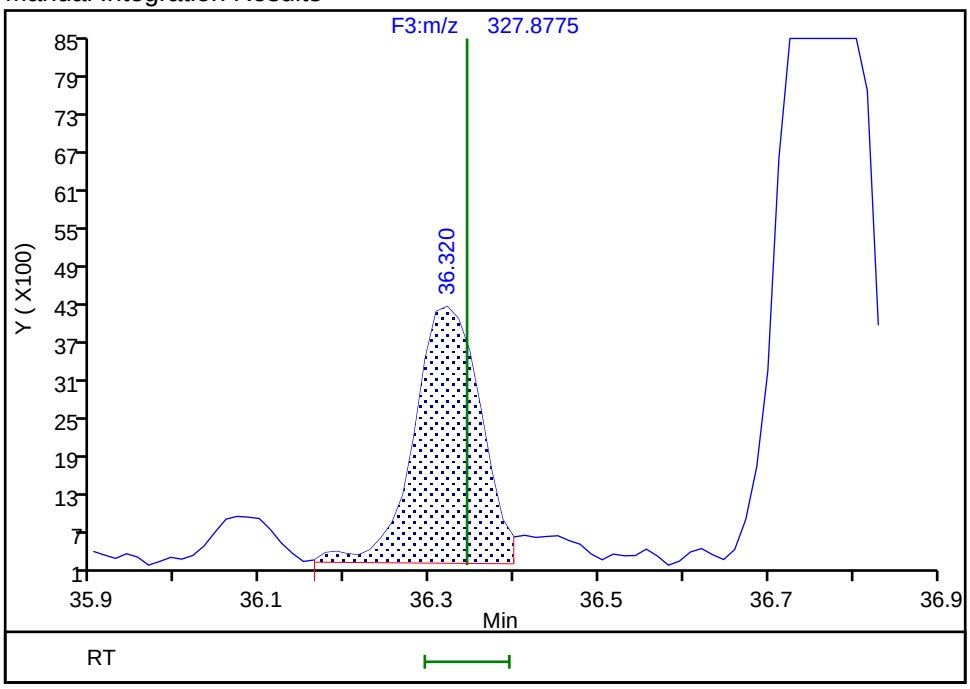
Processing Integration Results

RT: 36.32
Area: 25005
Amount: 1.220196
Amount Units: pg/ul




Manual Integration Results

RT: 36.32
Area: 22058
Amount: 1.079912
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:00:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

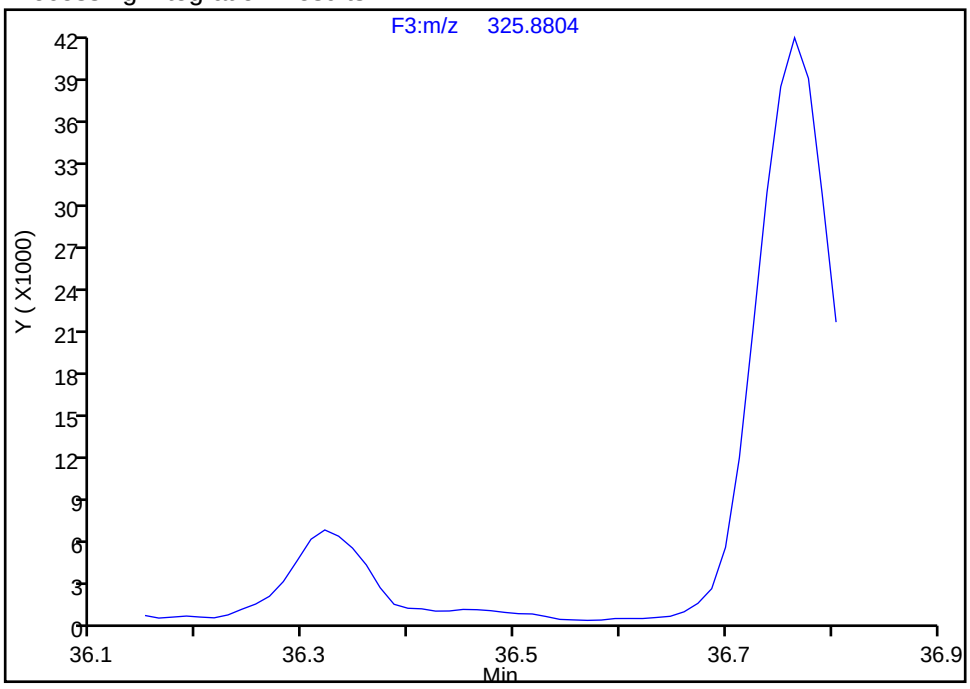
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

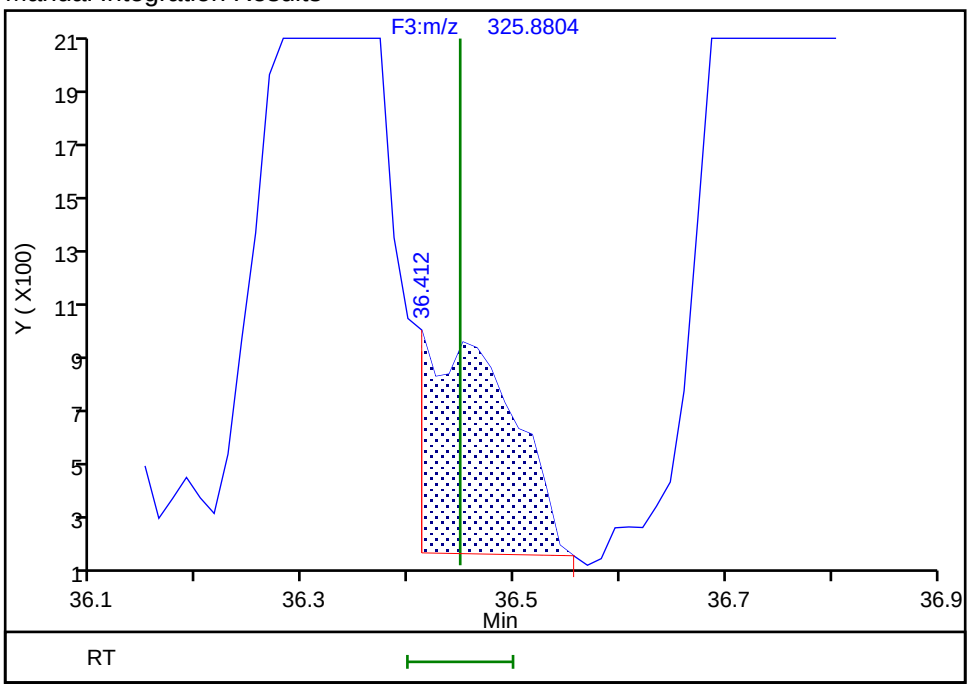
Not Detected
Expected RT: 36.45

Processing Integration Results




Manual Integration Results

RT: 36.41
Area: 4220
Amount: 0.134521
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:00:35
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

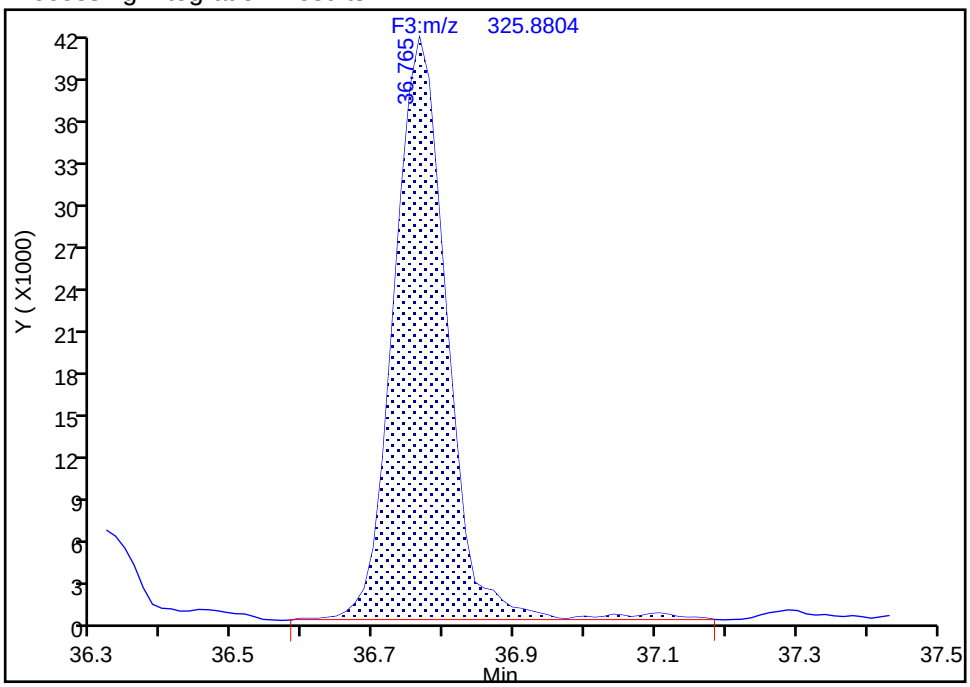
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118, CAS: 31508-00-6

Signal: 1

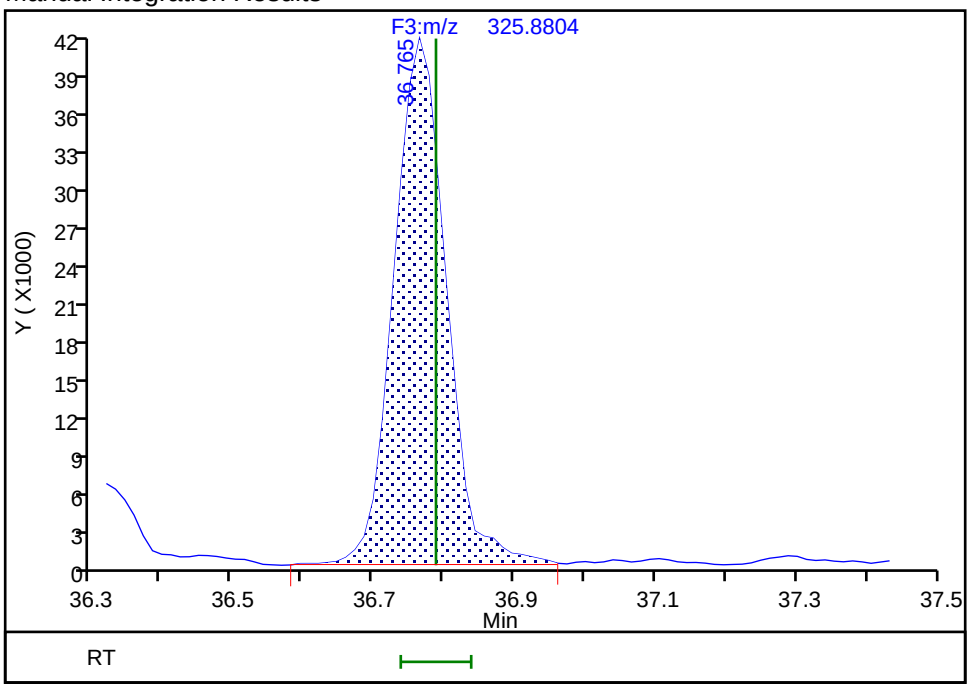
Processing Integration Results

RT: 36.76
Area: 215217
Amount: 7.072275
Amount Units: pg/ul




Manual Integration Results

RT: 36.76
Area: 212164
Amount: 7.010428
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:00:42

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

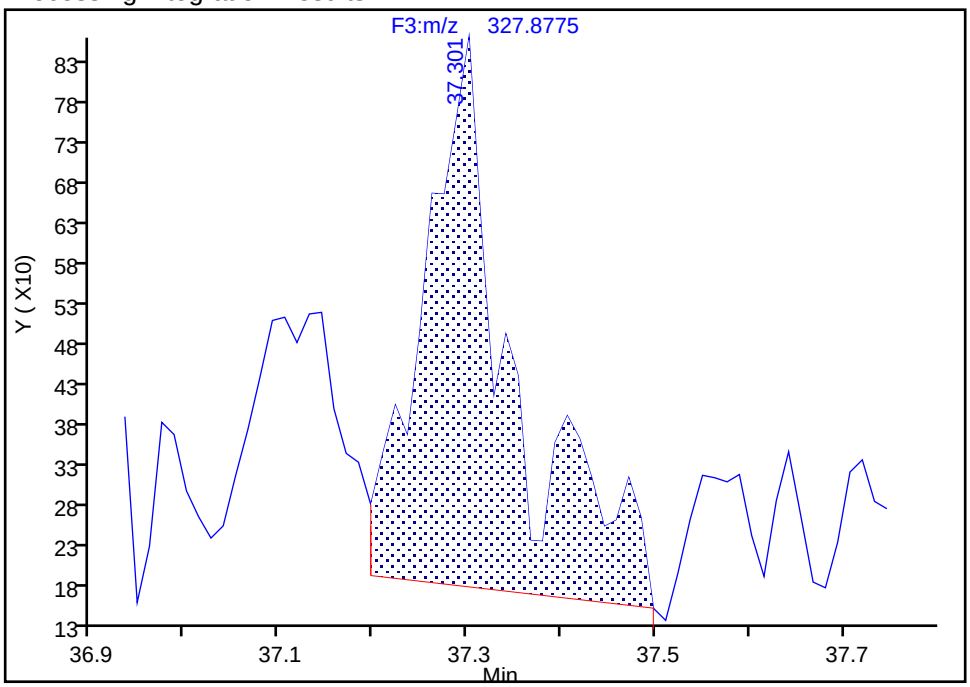
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

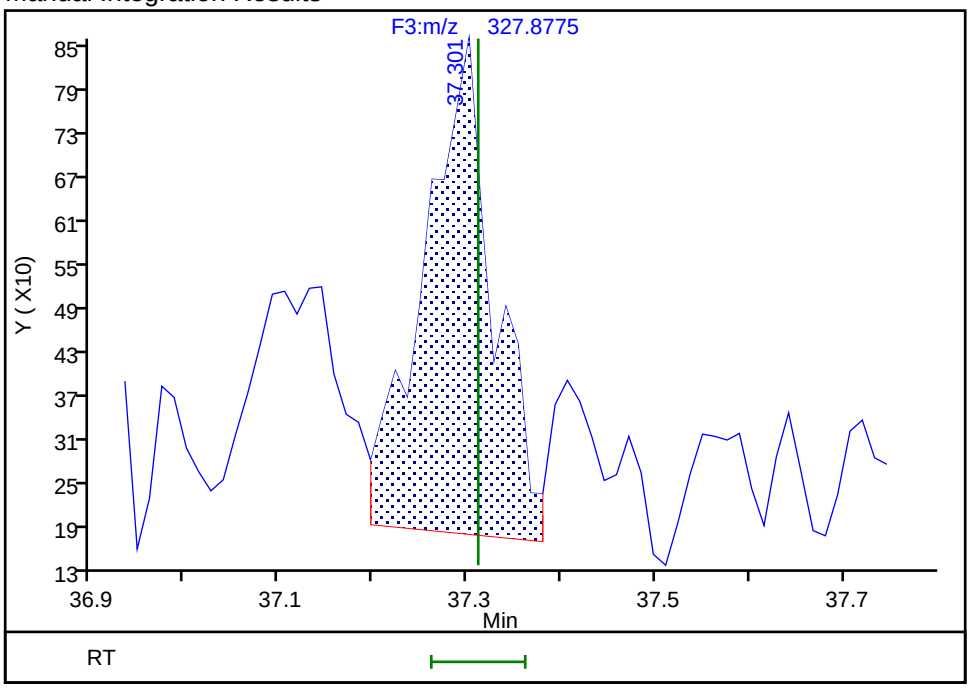
Processing Integration Results

RT: 37.30
Area: 4476
Amount: 0.210203
Amount Units: pg/ul




Manual Integration Results

RT: 37.30
Area: 3483
Amount: 0.136717
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:00:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

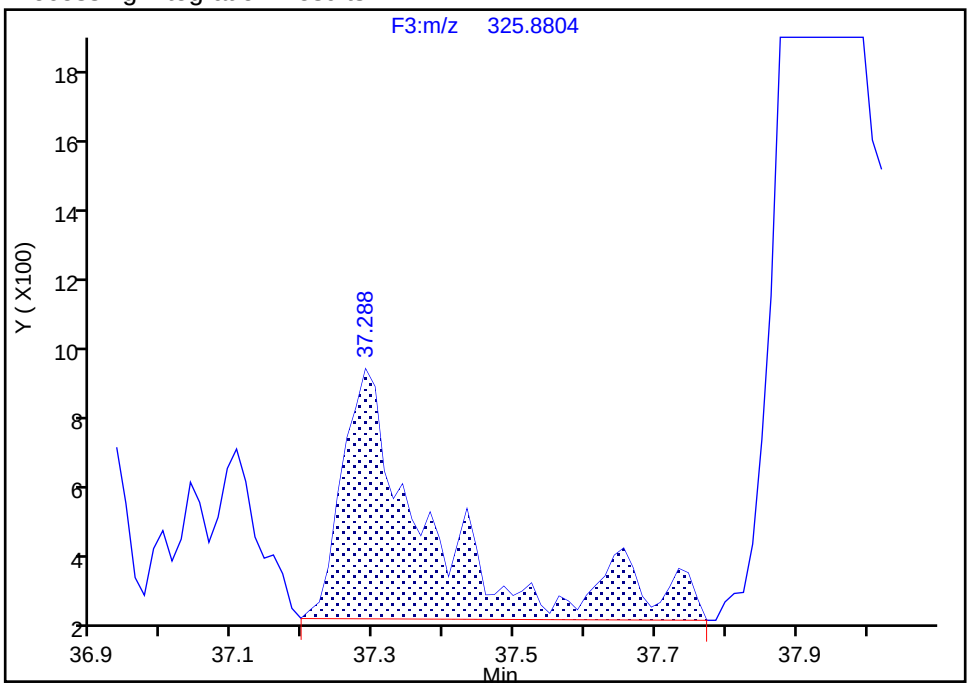
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

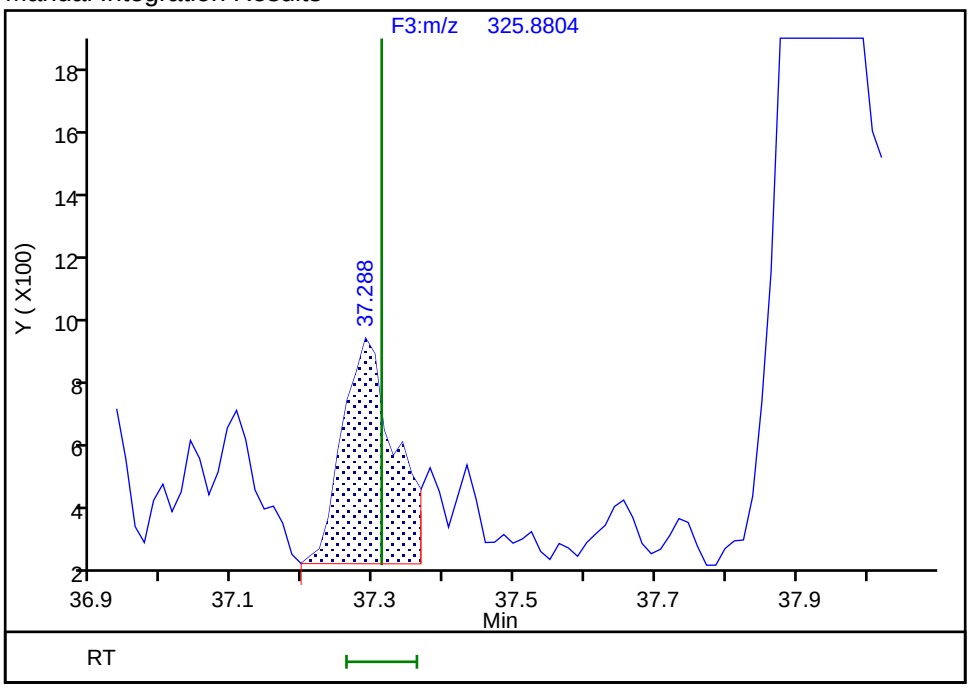
Processing Integration Results

RT: 37.29
Area: 6408
Amount: 0.210203
Amount Units: pg/ul




Manual Integration Results

RT: 37.29
Area: 3596
Amount: 0.136717
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:00:53

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

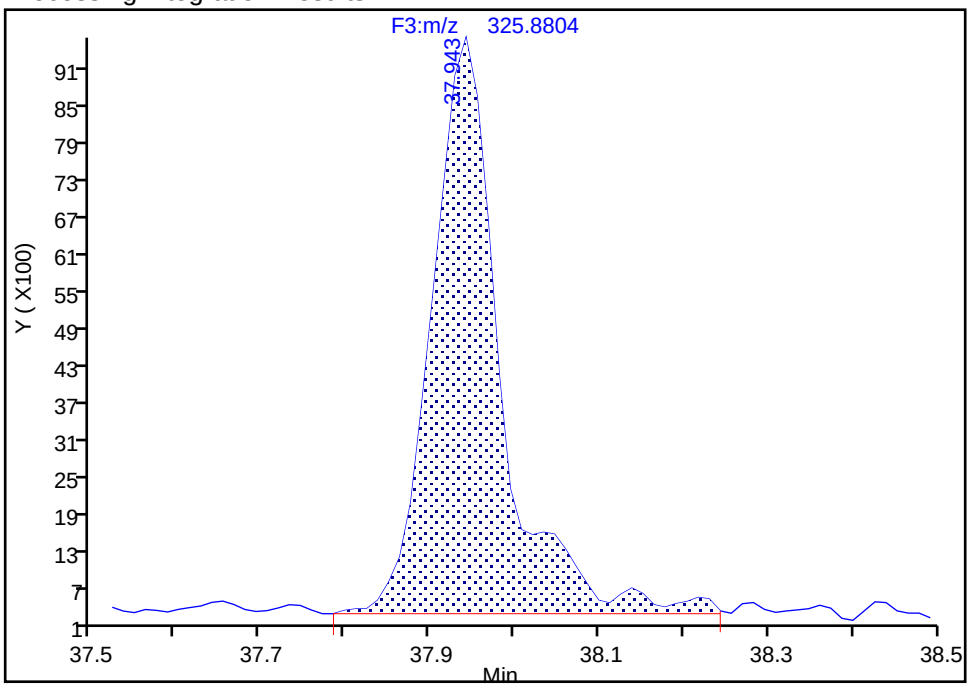
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105, CAS: 32598-14-4

Signal: 1

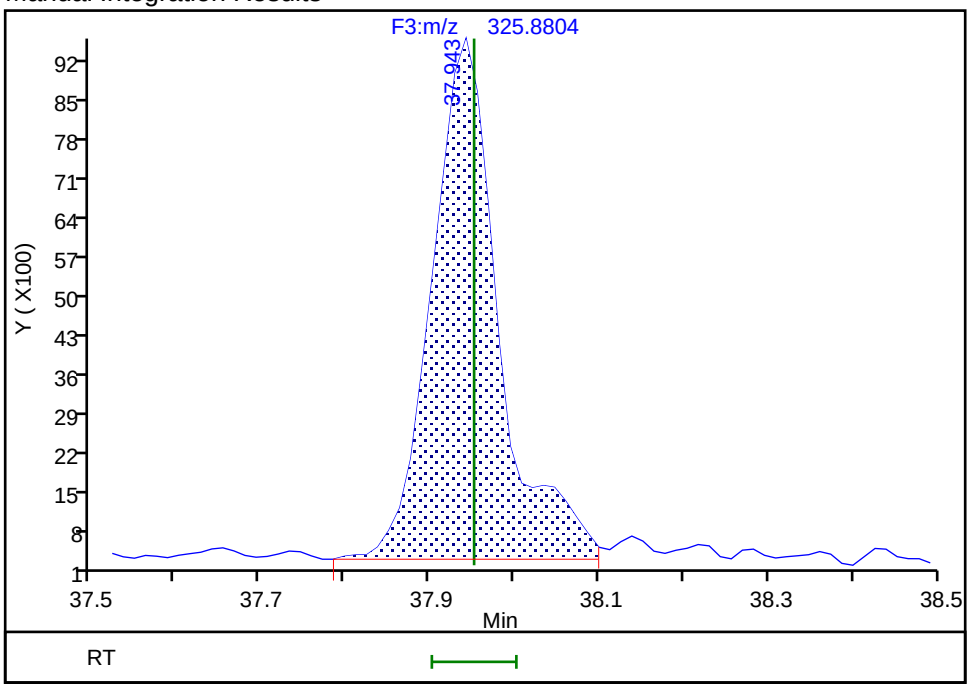
Processing Integration Results

RT: 37.94
Area: 53291
Amount: 1.768621
Amount Units: pg/ul




Manual Integration Results

RT: 37.94
Area: 51358
Amount: 1.728081
Amount Units: pg/ul



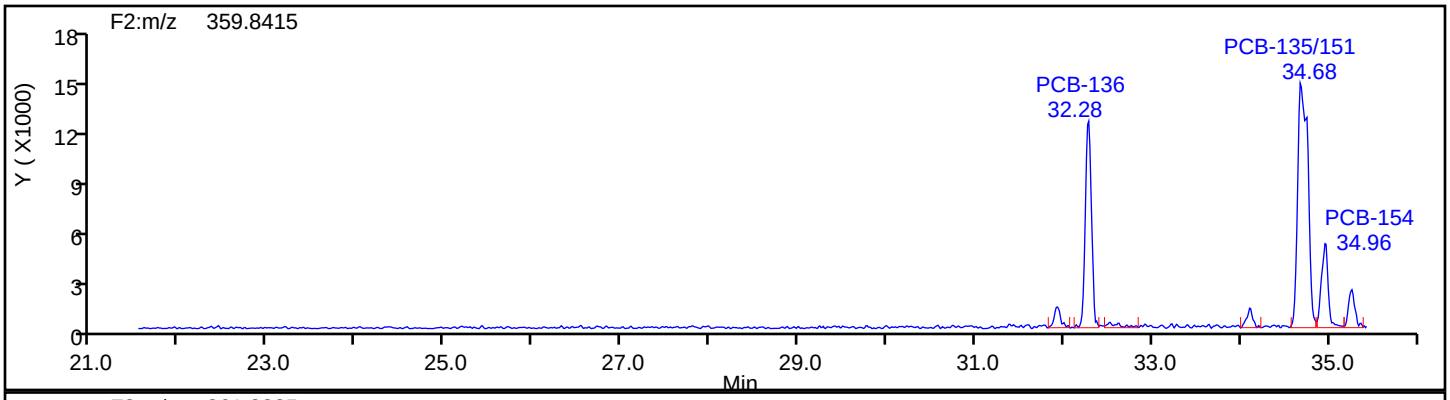

Reviewer: davidsonm, 10-Oct-2019 09:00:59

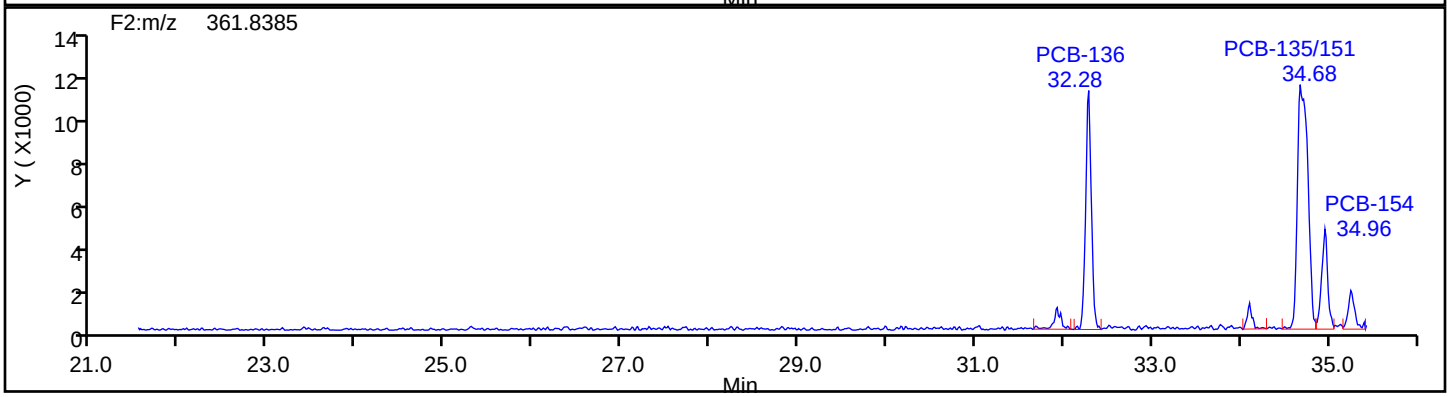
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

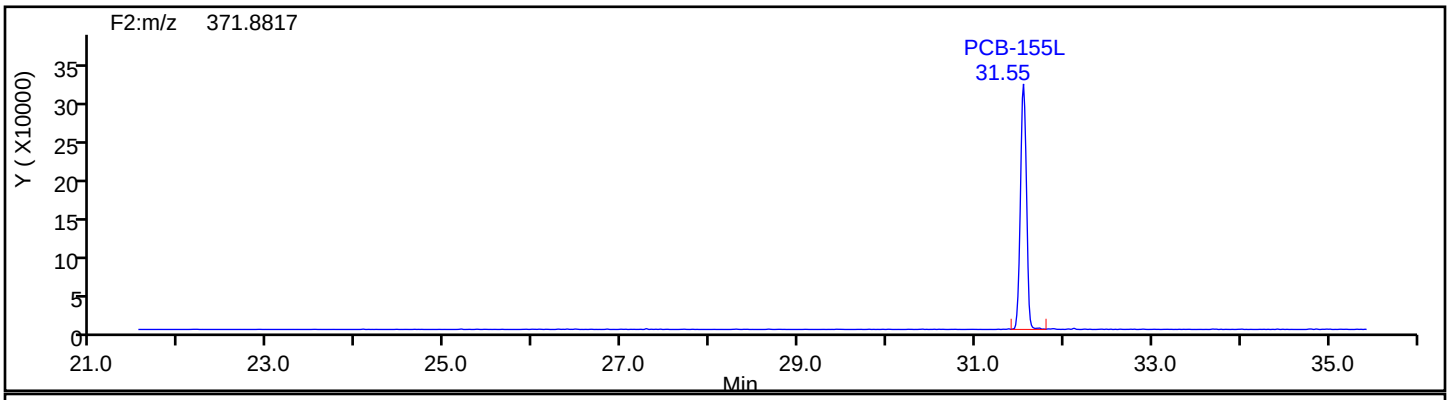
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

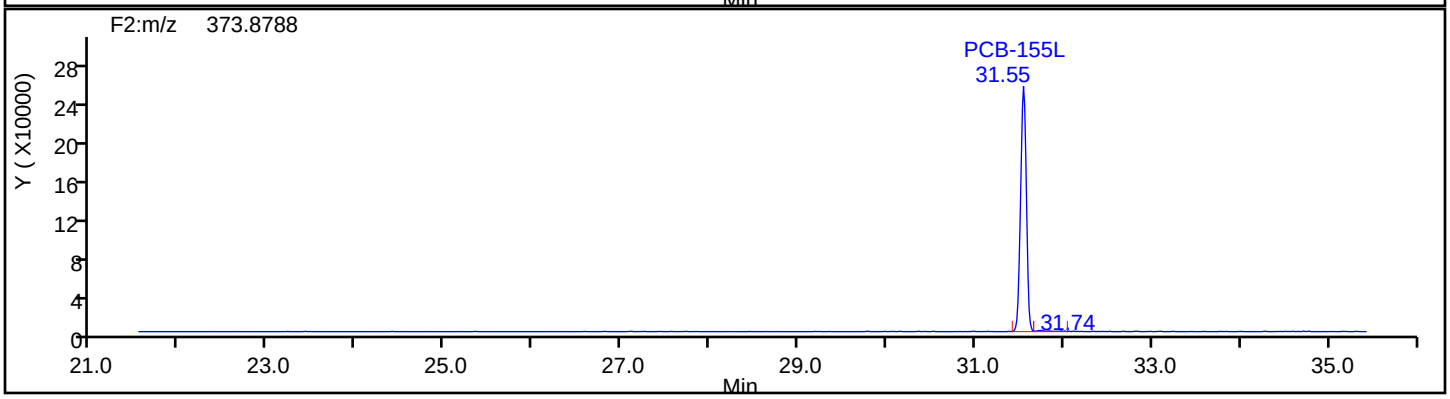
HxPCB F2




HxPCB F2 Standards

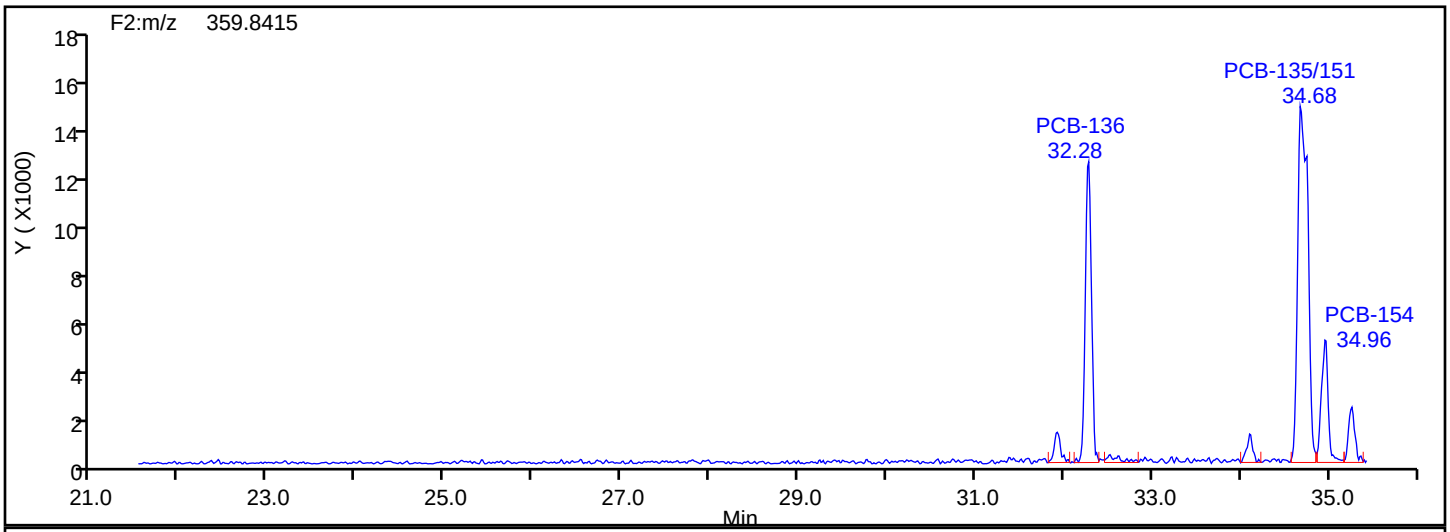


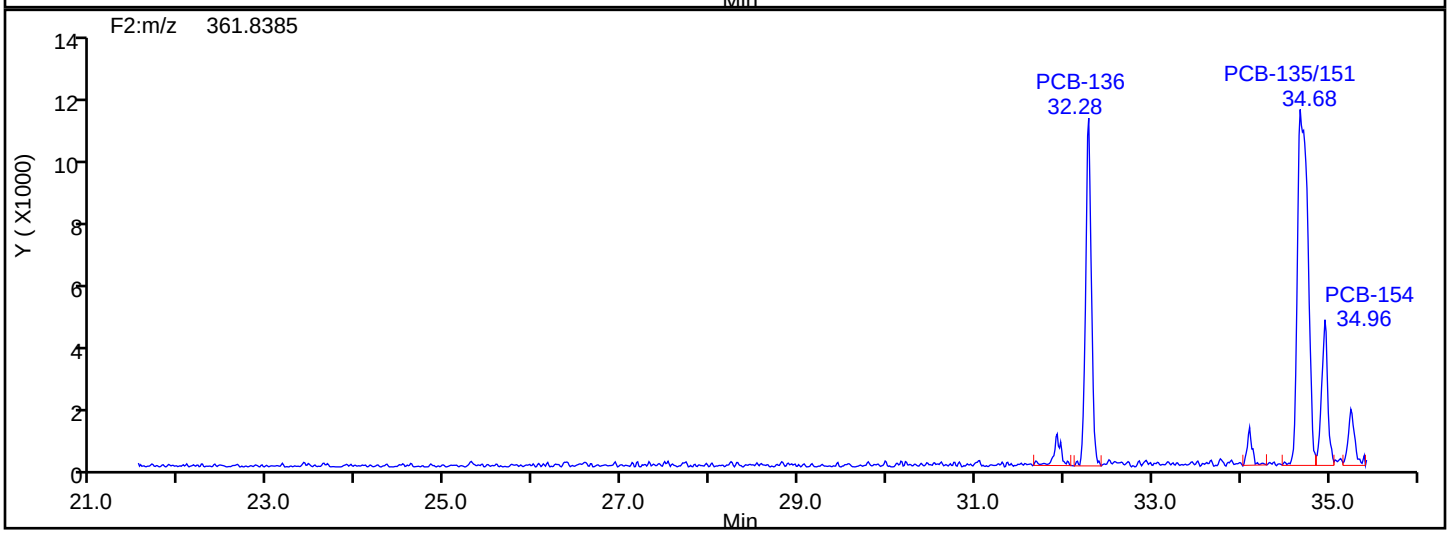



Eurofins TestAmerica, Knoxville

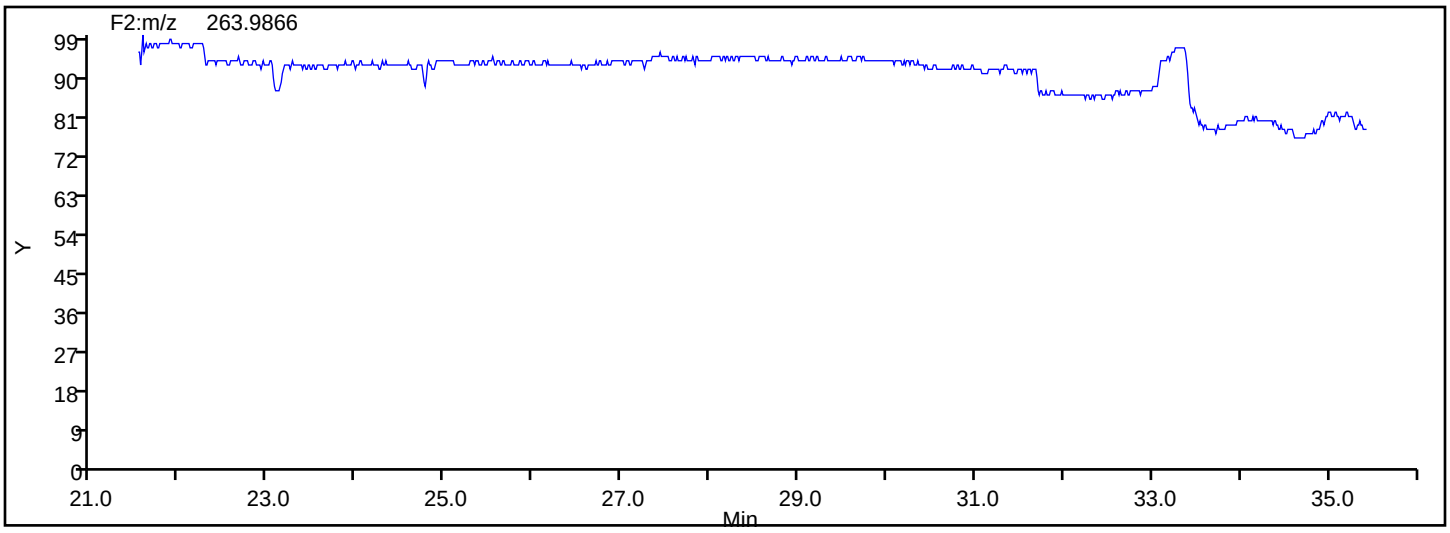
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

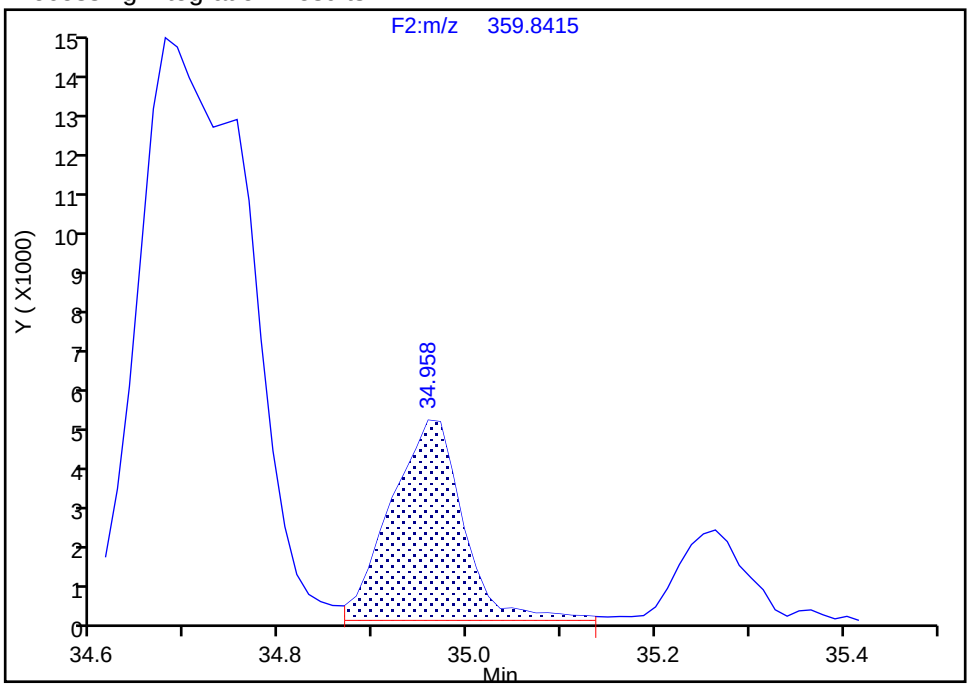
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-154, CAS: 60145-22-4

Signal: 1

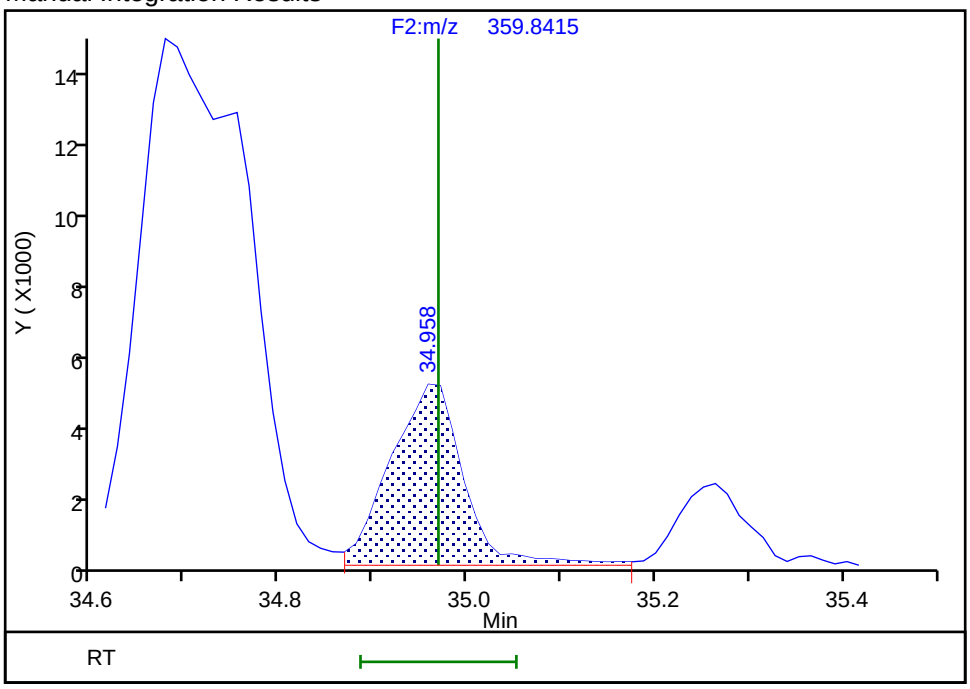
Processing Integration Results

RT: 34.96
Area: 26708
Amount: 1.766102
Amount Units: pg/ul




Manual Integration Results

RT: 34.96
Area: 26920
Amount: 1.773858
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:01:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

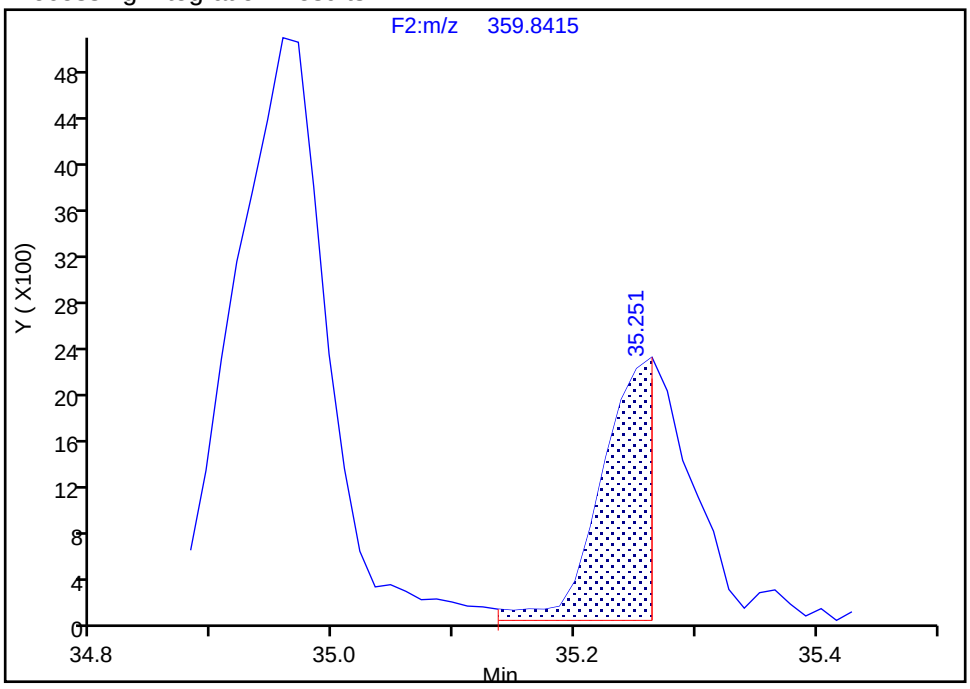
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-144, CAS: 68194-14-9

Signal: 1

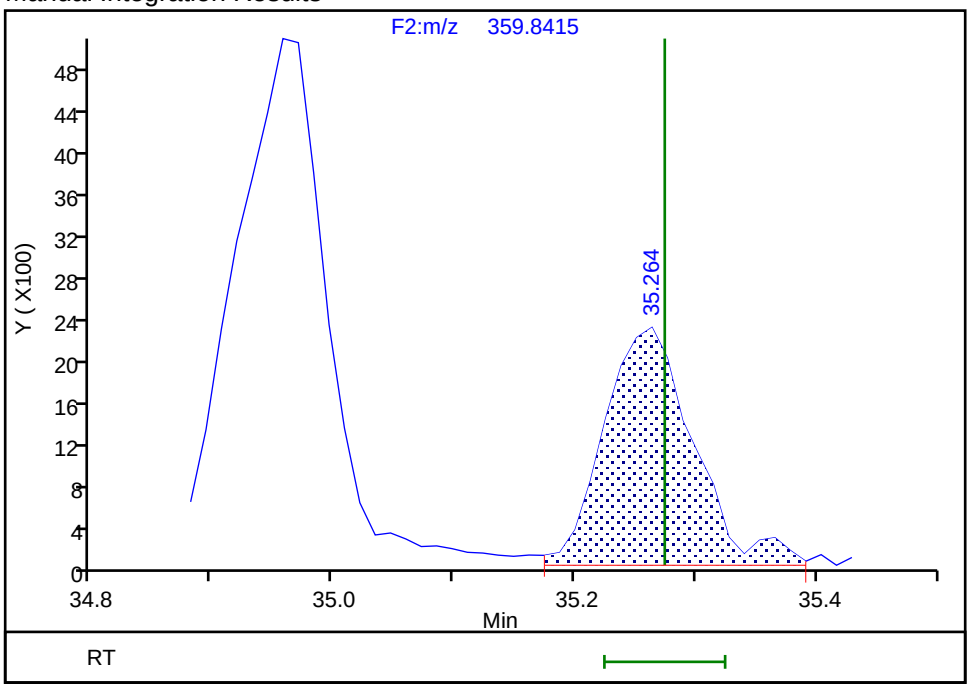
Processing Integration Results

RT: 35.25
Area: 6253
Amount: 0.620599
Amount Units: pg/ul




Manual Integration Results

RT: 35.26
Area: 11646
Amount: 0.839264
Amount Units: pg/ul



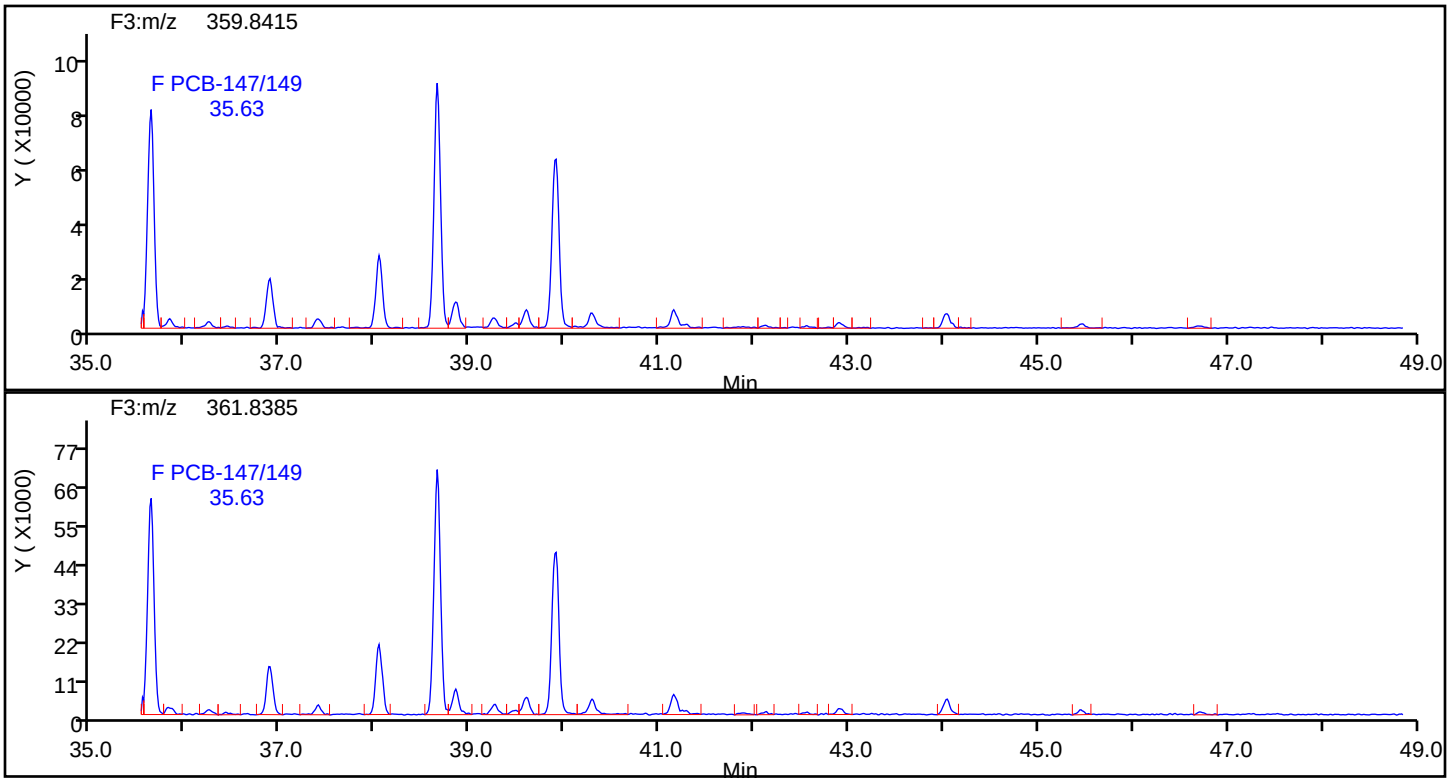

Reviewer: davidsonm, 10-Oct-2019 09:01:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

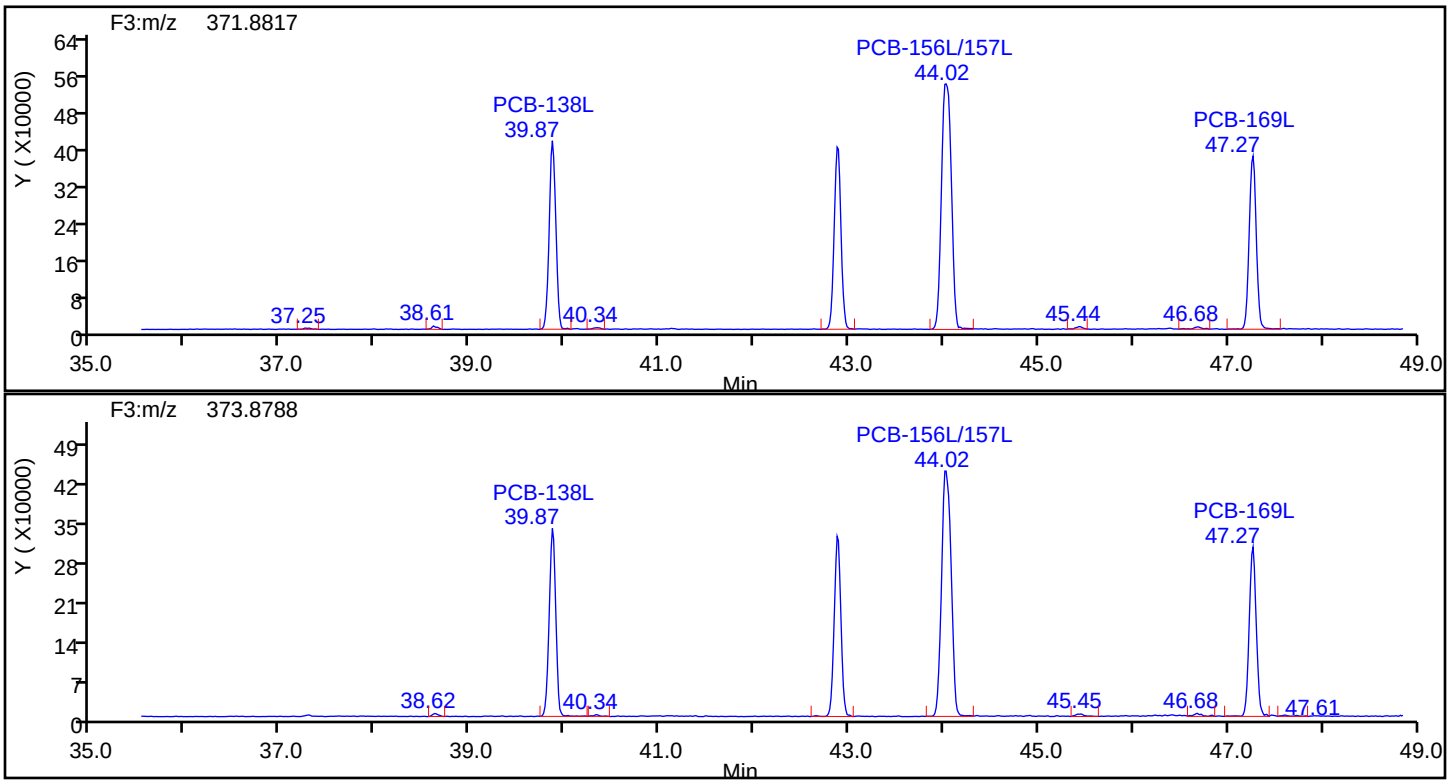
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



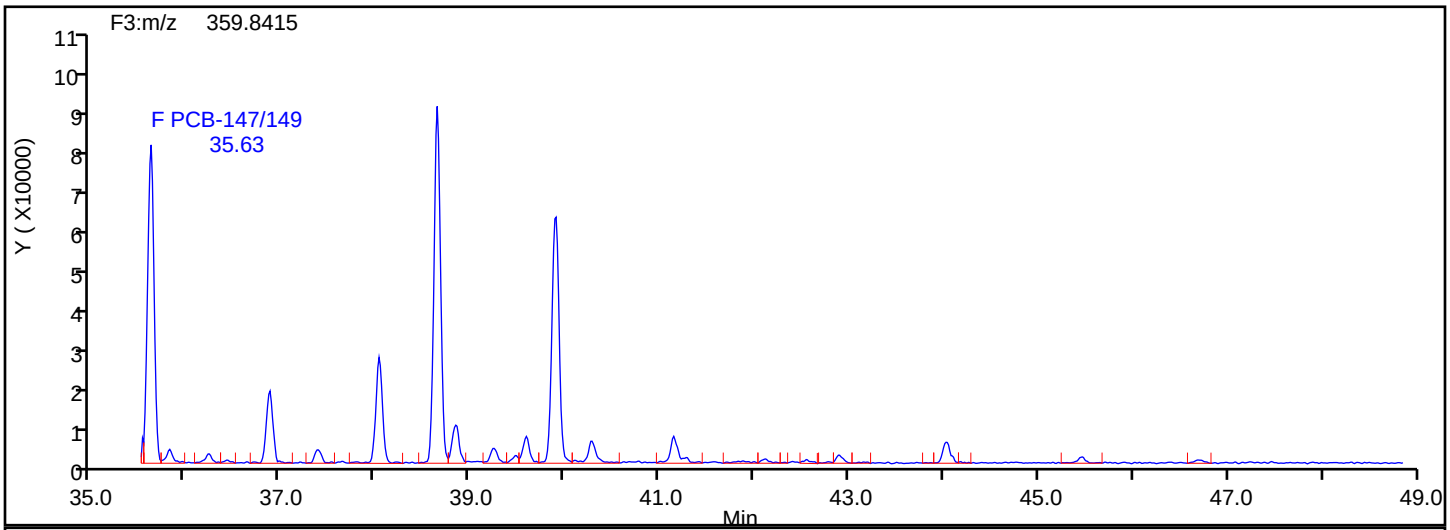

HxPCB F3 Standards

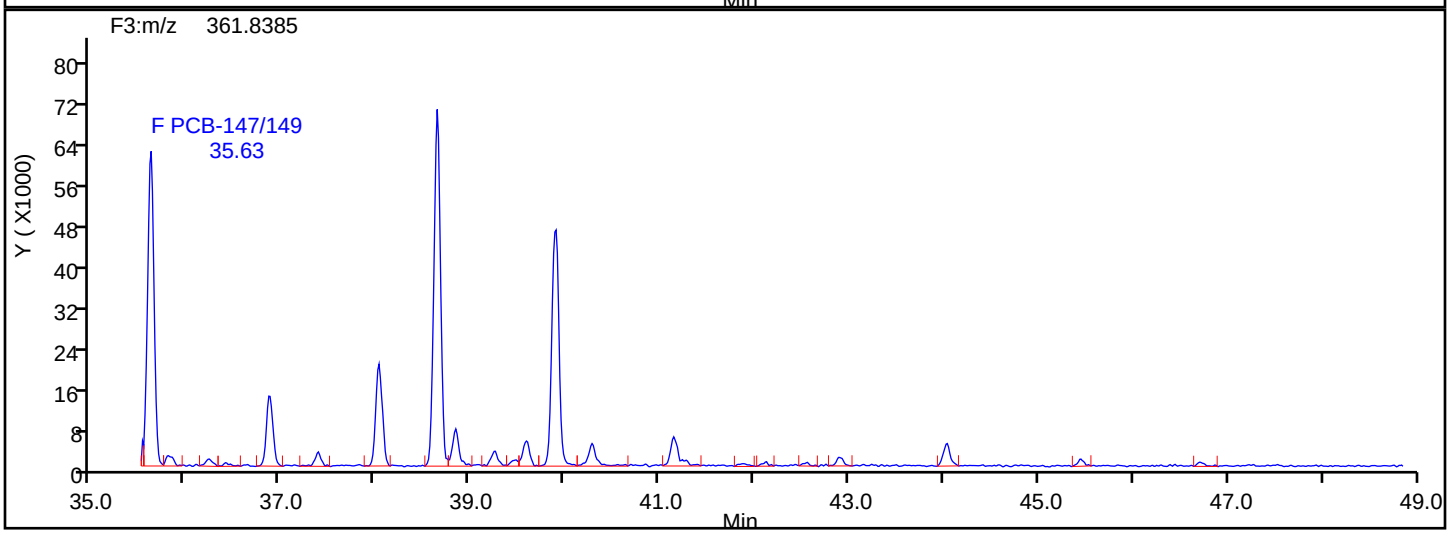


Eurofins TestAmerica, Knoxville

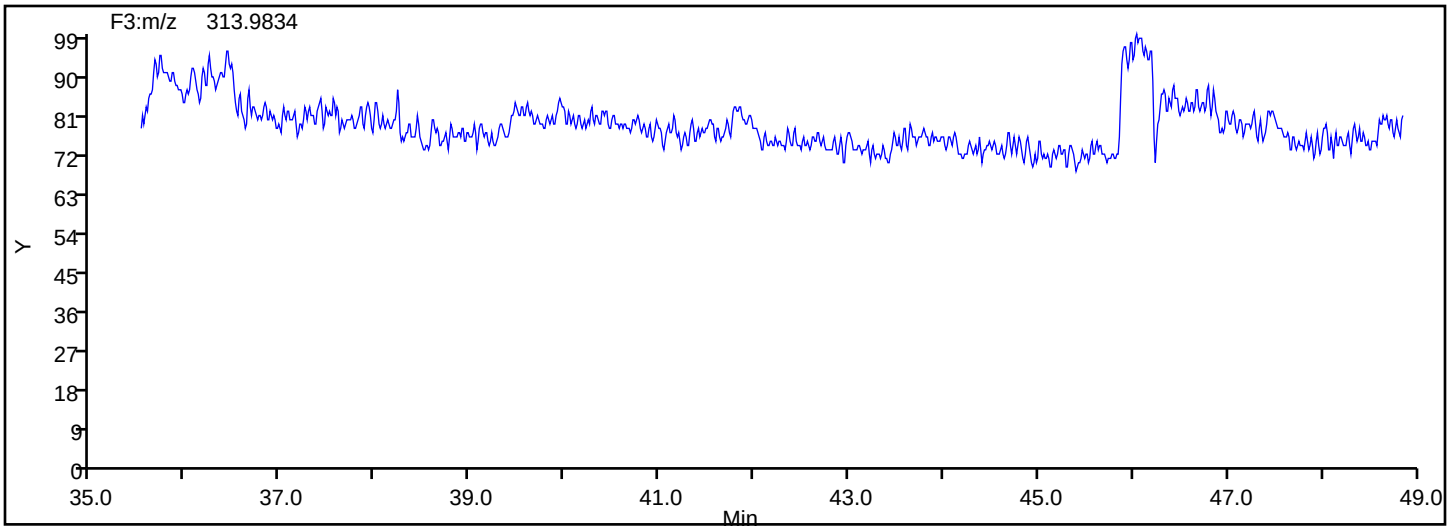
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

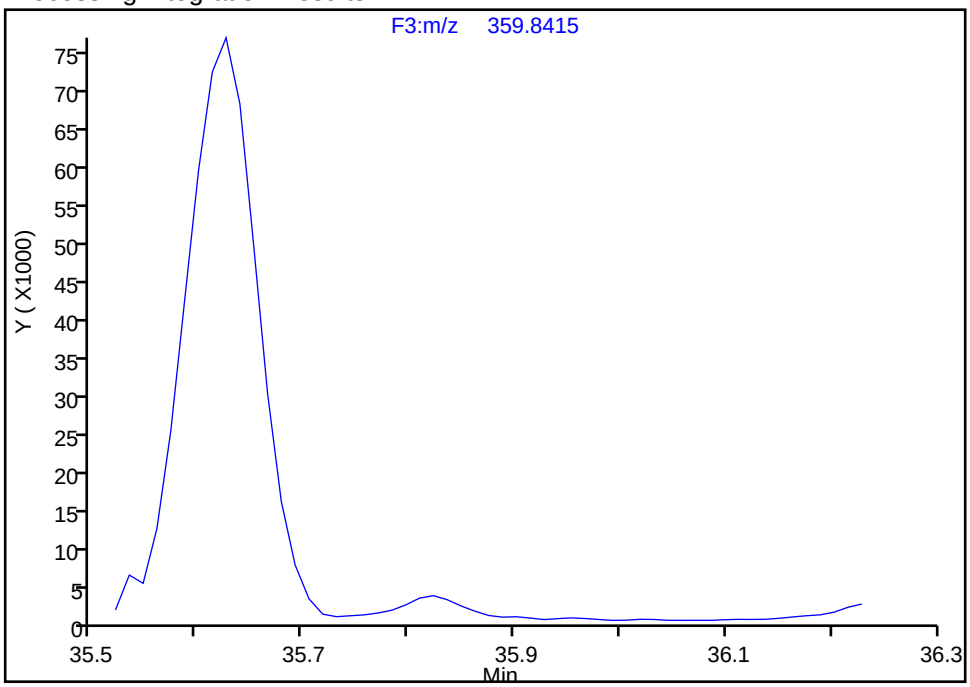
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

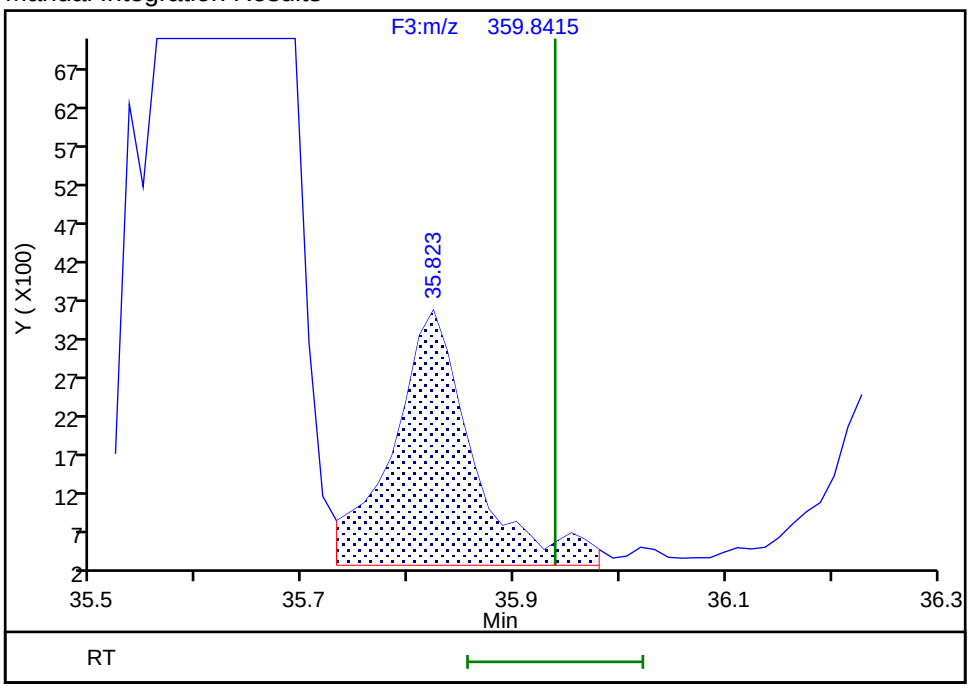
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.82
Area: 17579
Amount: 0.967612
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:01:33
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

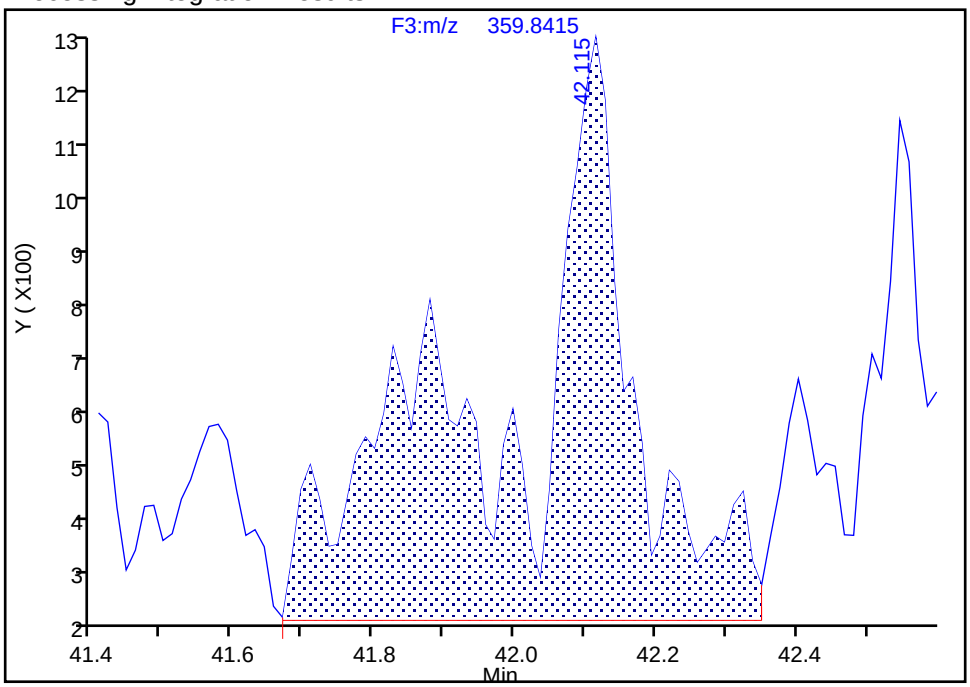
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 1

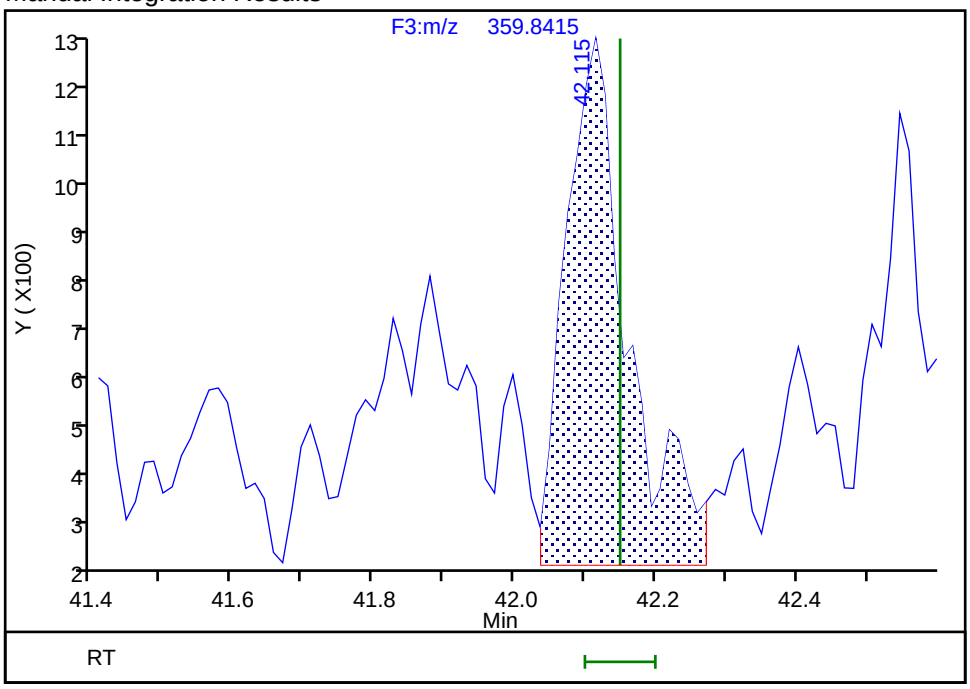
Processing Integration Results

RT: 42.12
Area: 13410
Amount: 0.372190
Amount Units: pg/ul




Manual Integration Results

RT: 42.12
Area: 6269
Amount: 0.218799
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:02:09

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

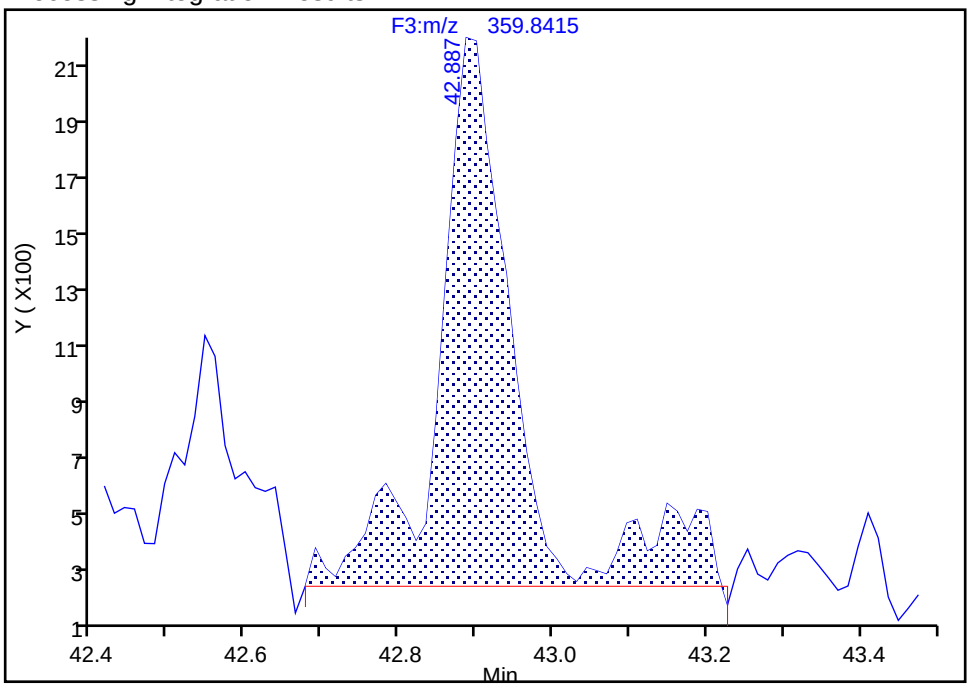
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-167, CAS: 52663-72-6

Signal: 1

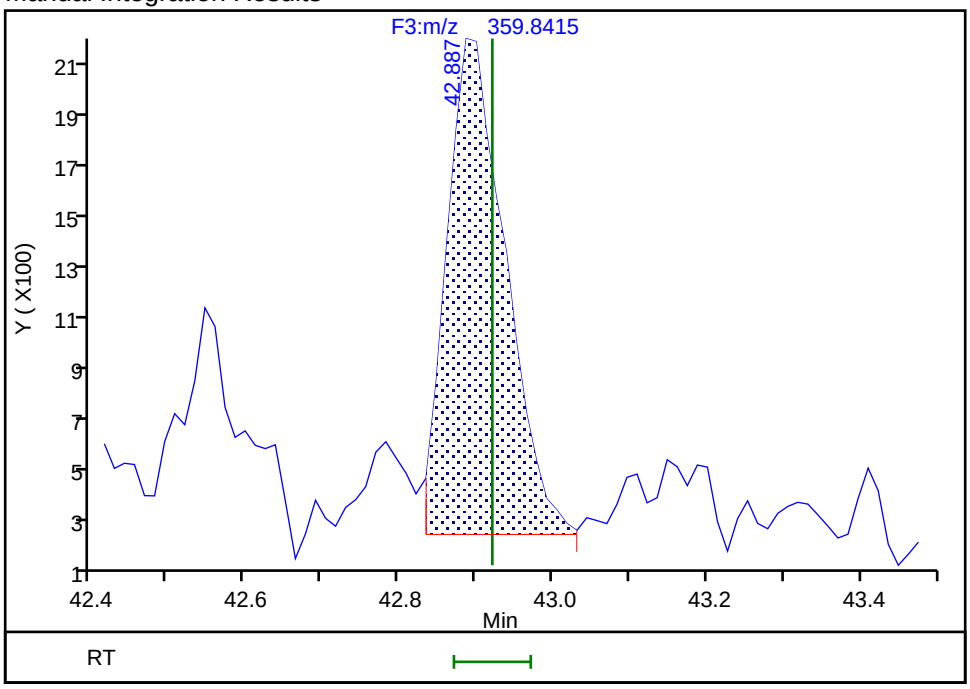
Processing Integration Results

RT: 42.89
Area: 13676
Amount: 0.473323
Amount Units: pg/ul




Manual Integration Results

RT: 42.89
Area: 10186
Amount: 0.400411
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:02:23

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

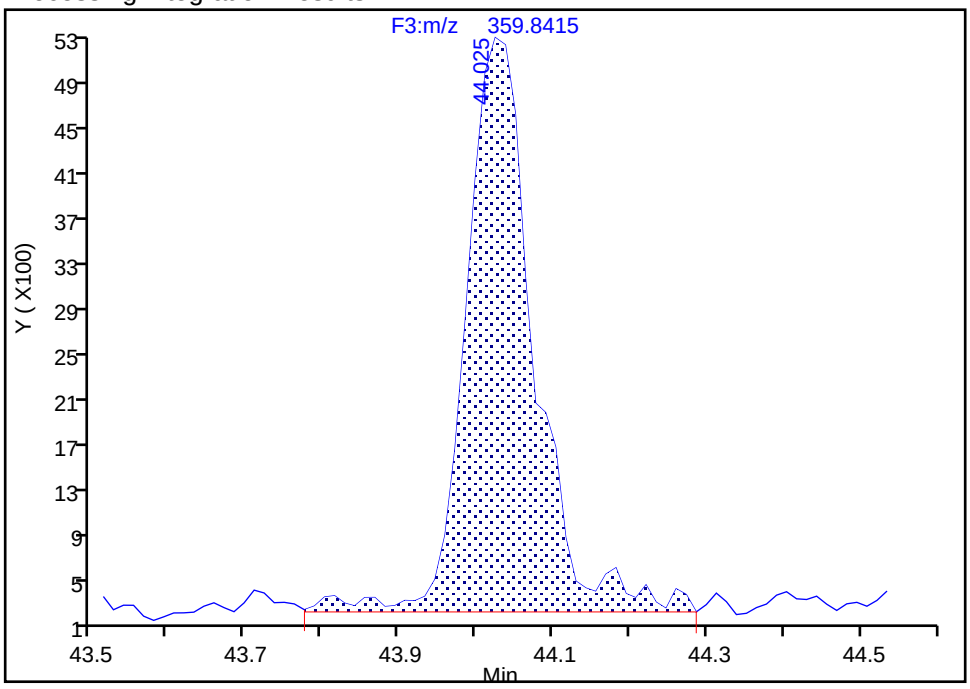
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-156/157, CAS: STL01792

Signal: 1

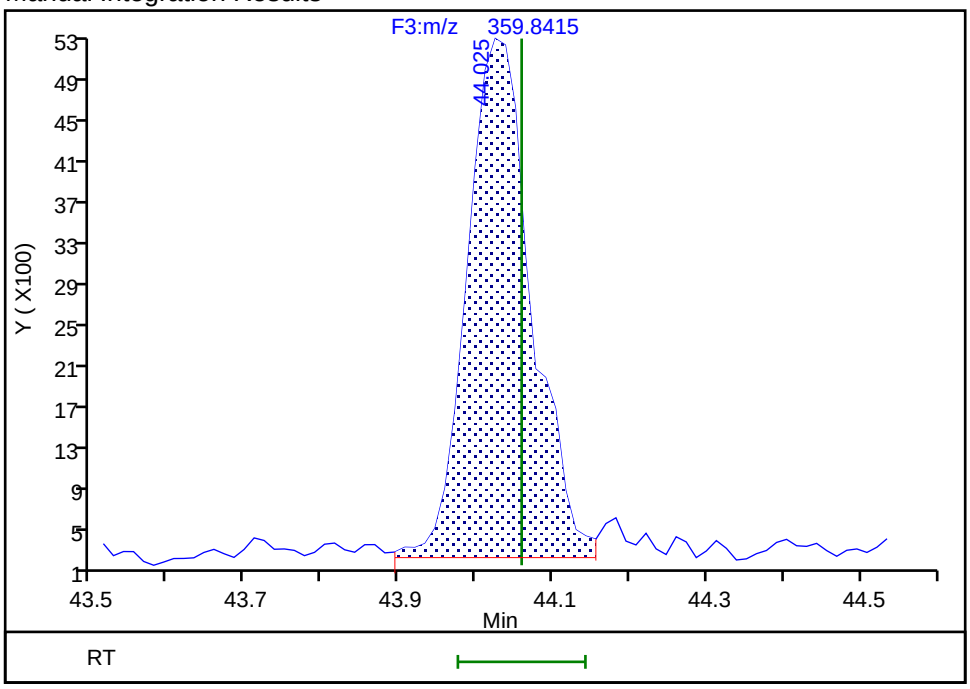
Processing Integration Results

RT: 44.02
Area: 31307
Amount: 1.212496
Amount Units: pg/ul




Manual Integration Results

RT: 44.02
Area: 29287
Amount: 1.167302
Amount Units: pg/ul



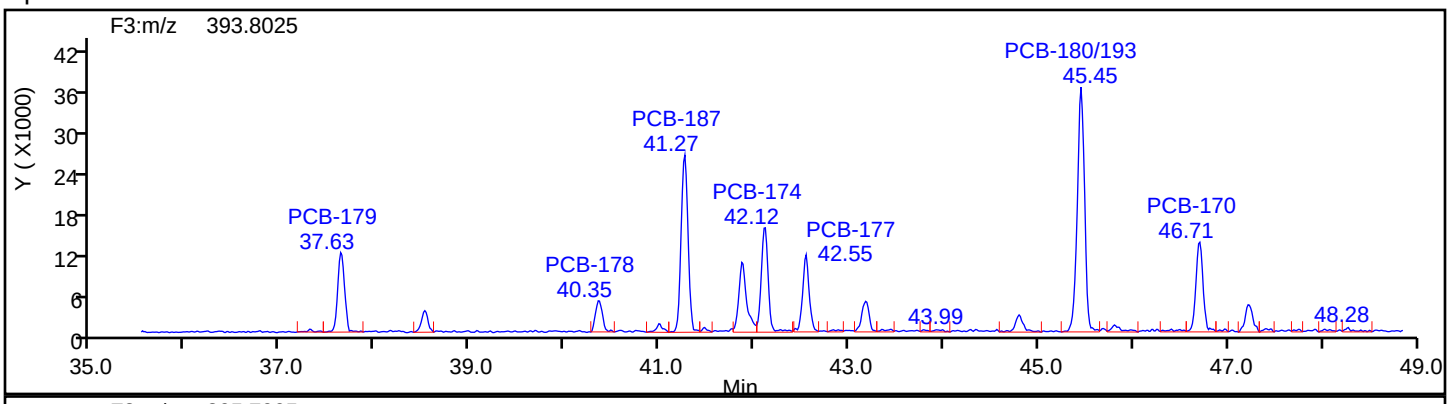

Reviewer: davidsonm, 10-Oct-2019 09:02:33

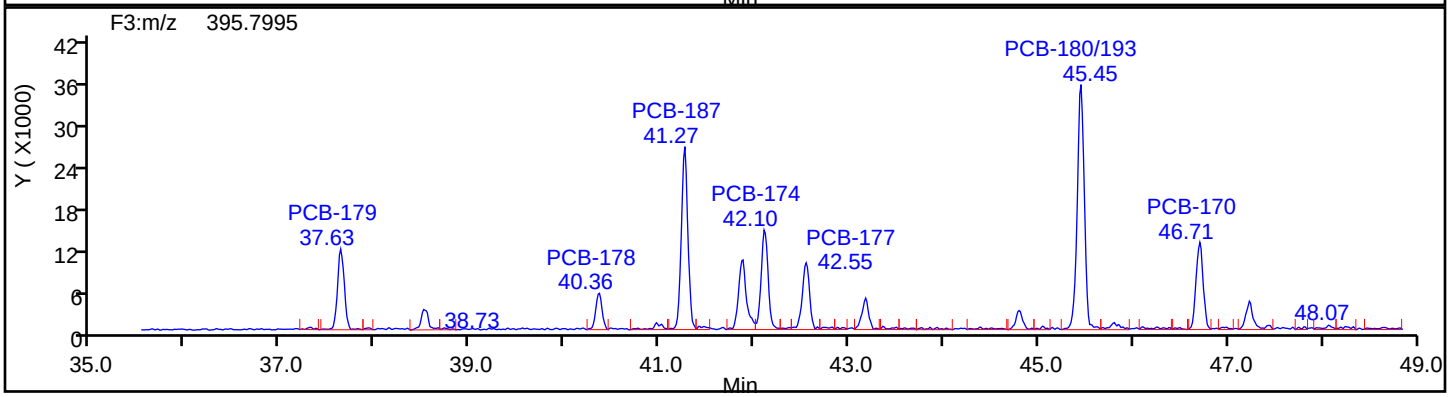
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

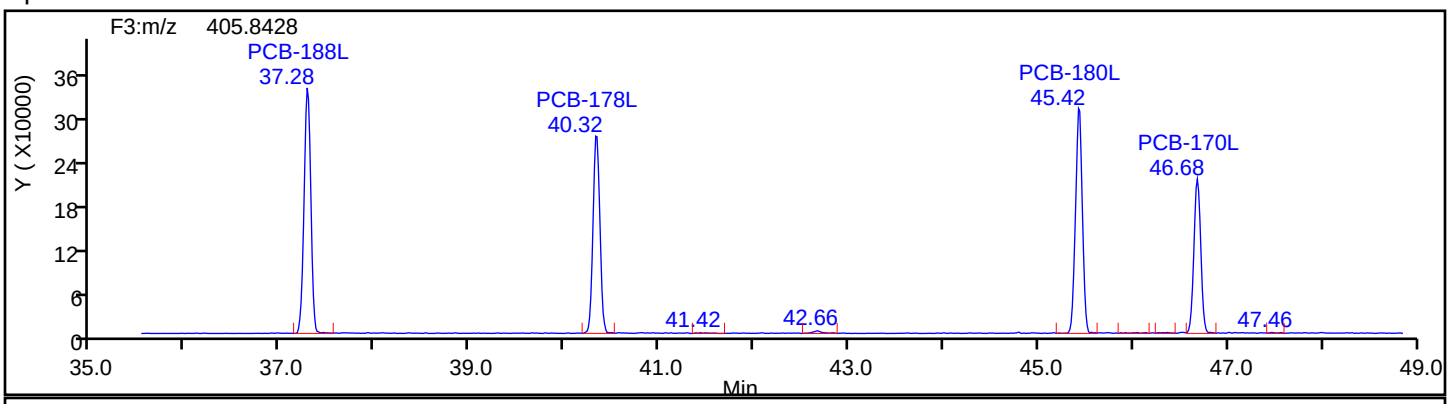
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

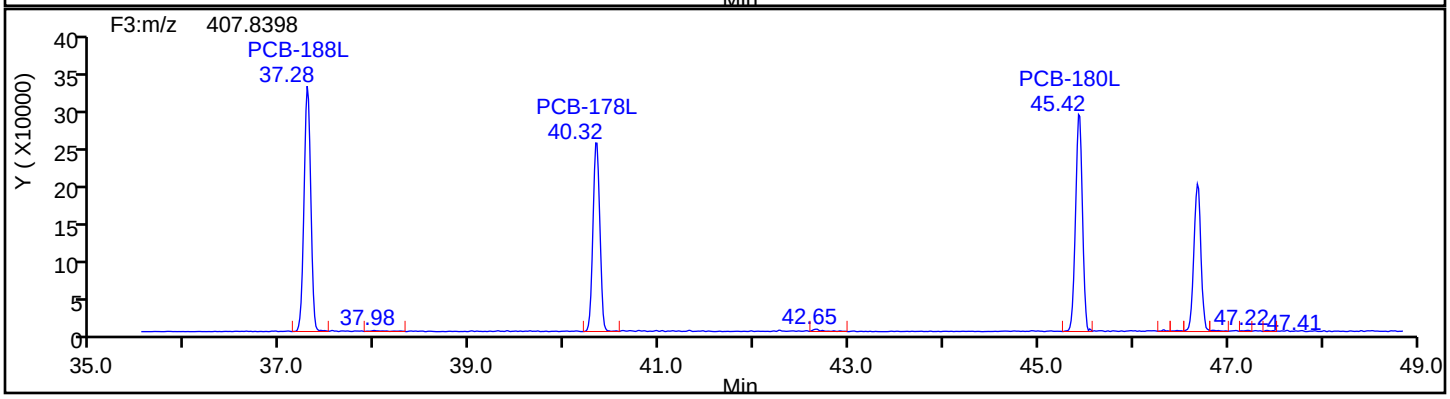
HpPCB F3




HpPCB F3 Standards

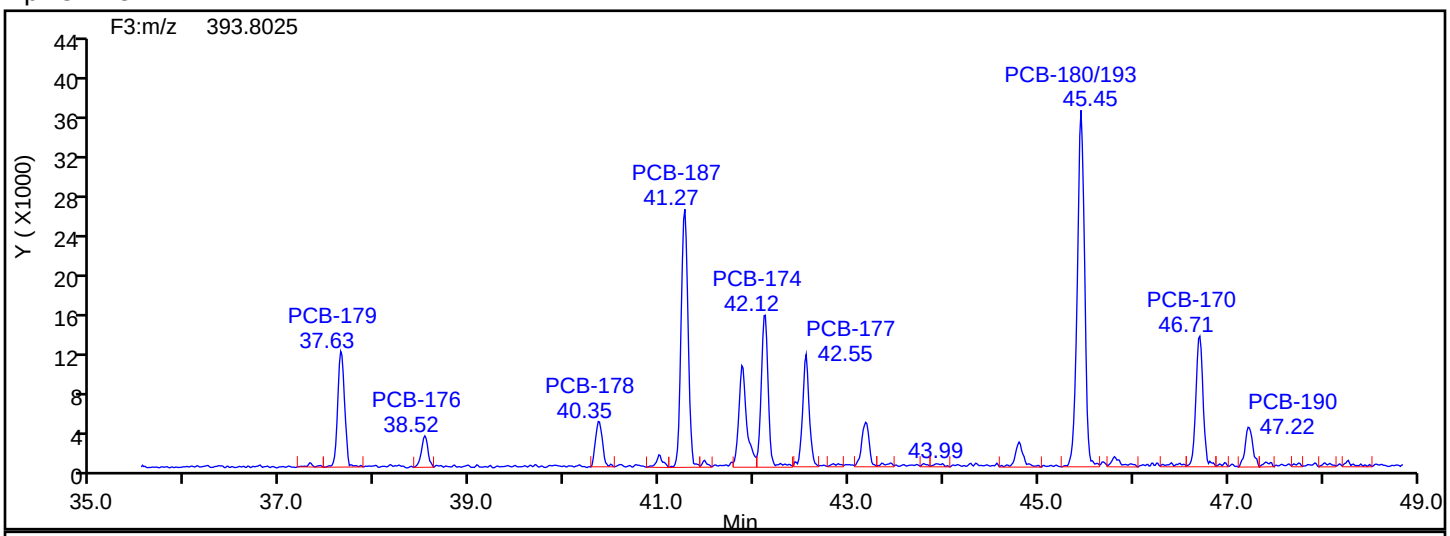


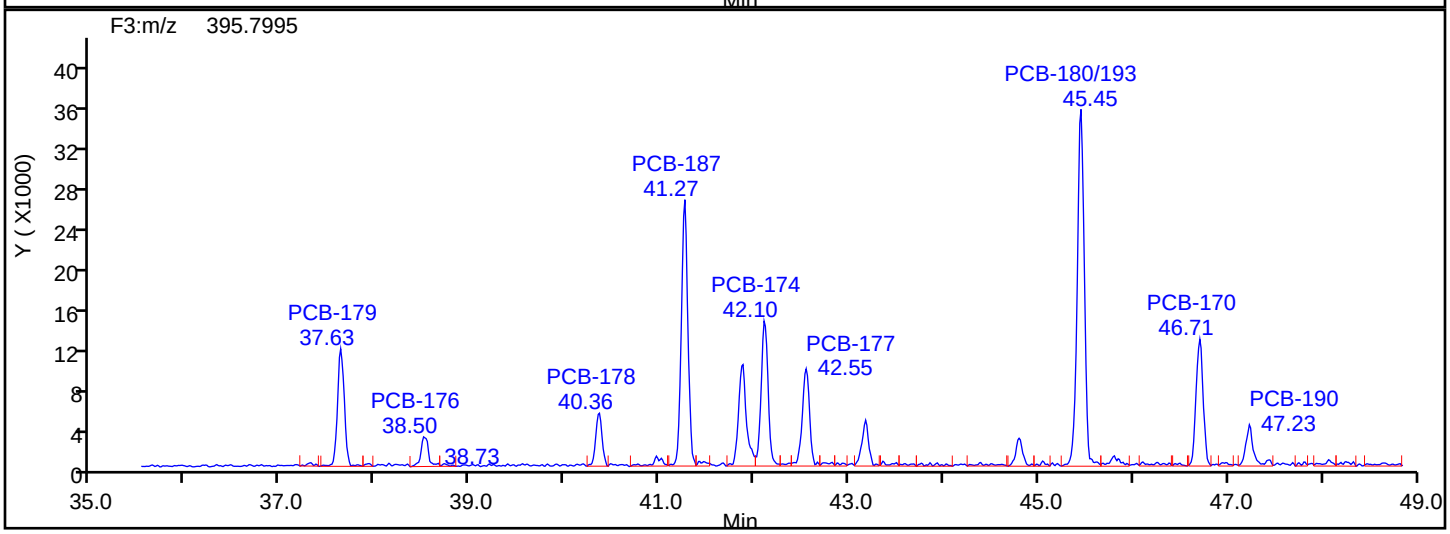



Eurofins TestAmerica, Knoxville

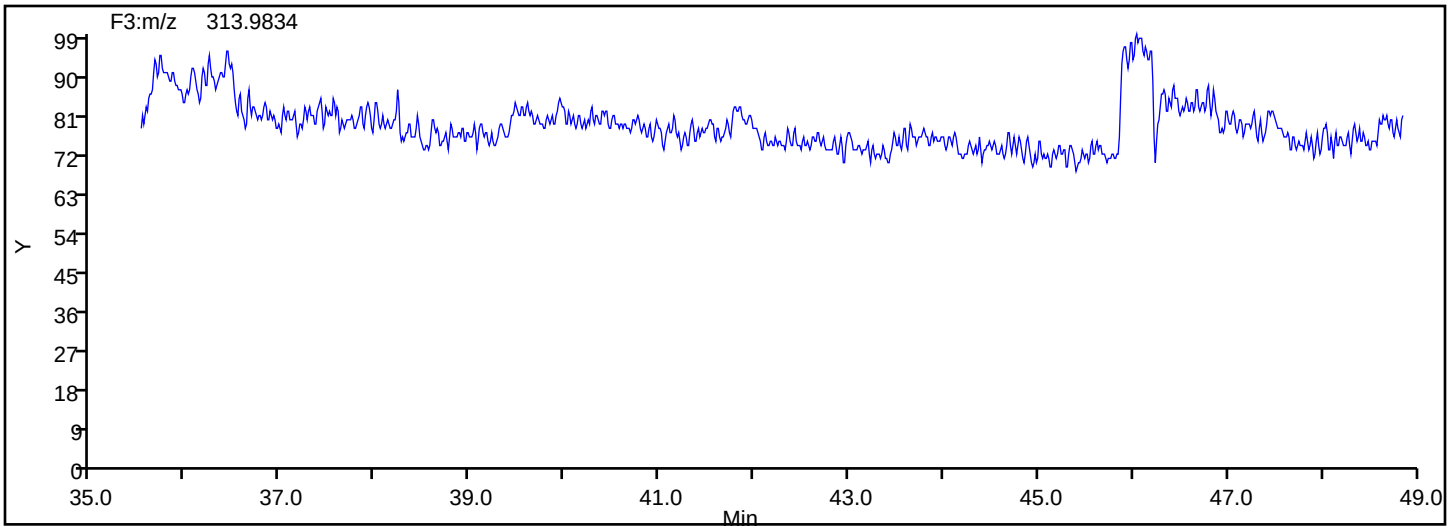
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass

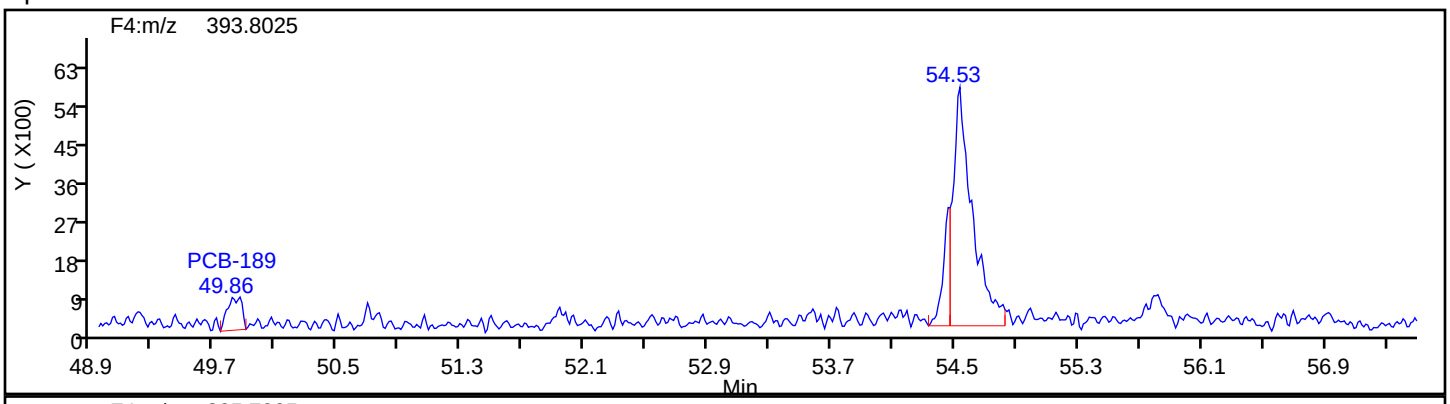


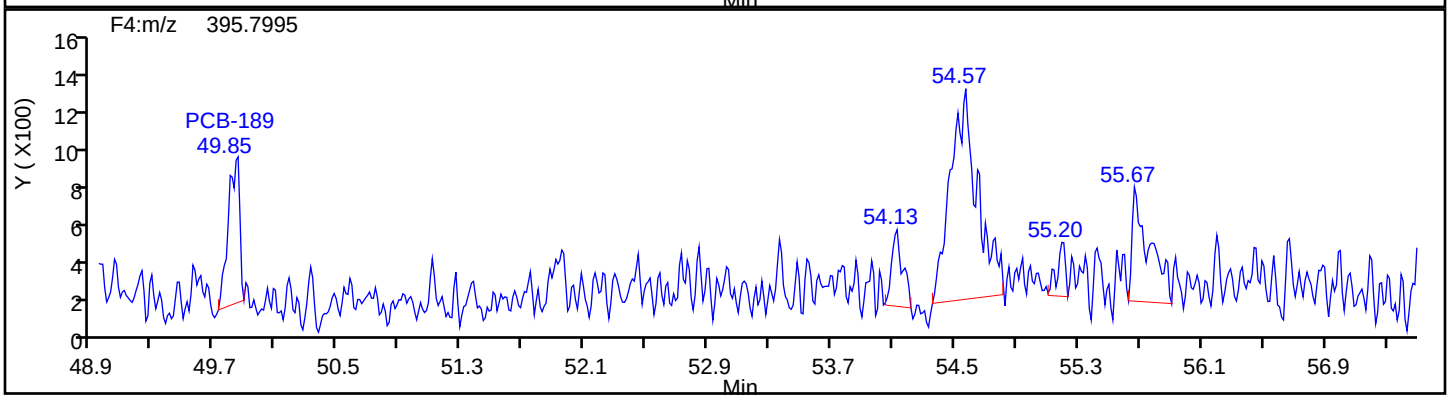
Report Date: 10-Oct-2019 09:06:14 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

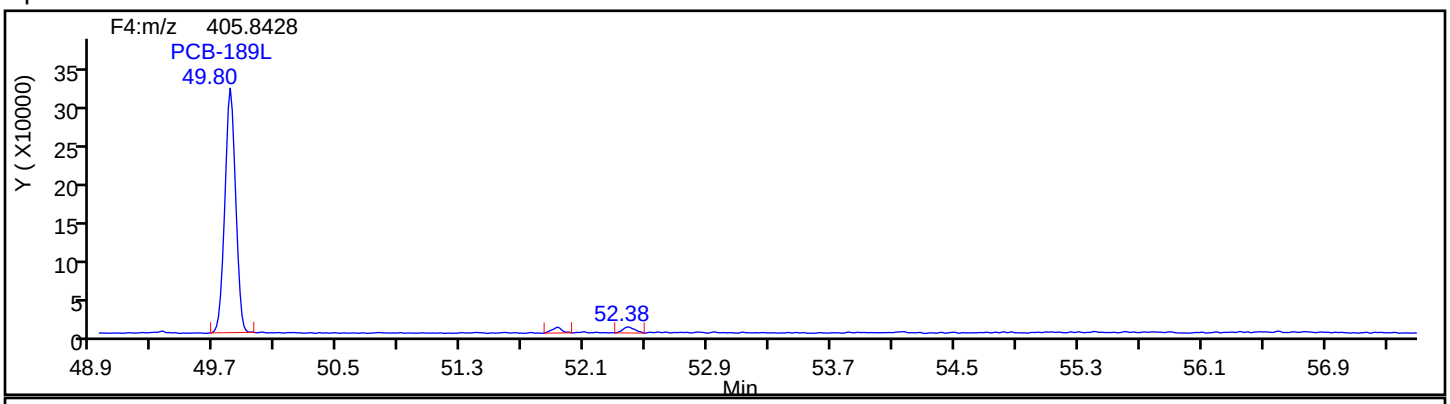
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

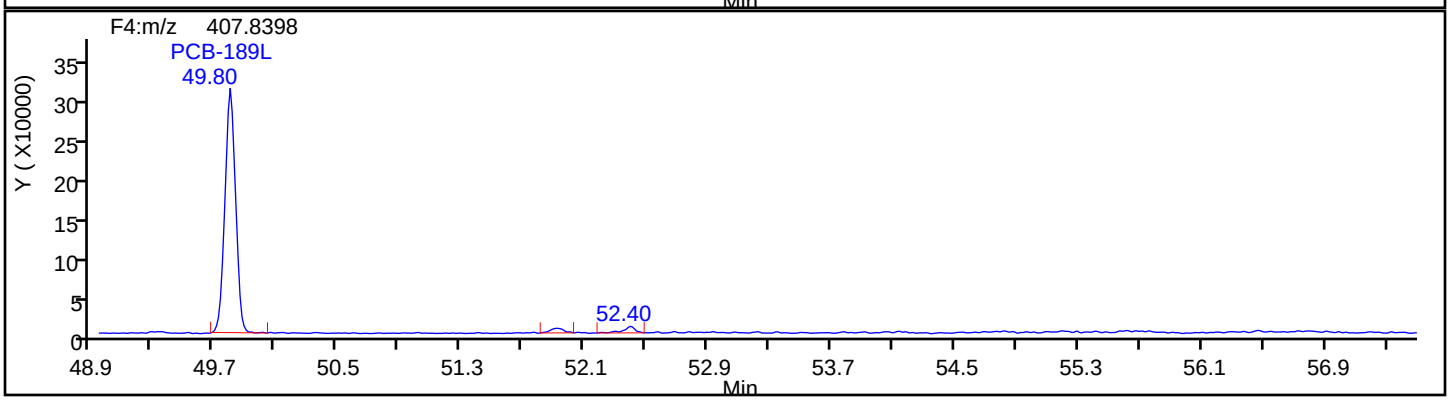
HpPCB F4




HpPCB F4 Standards

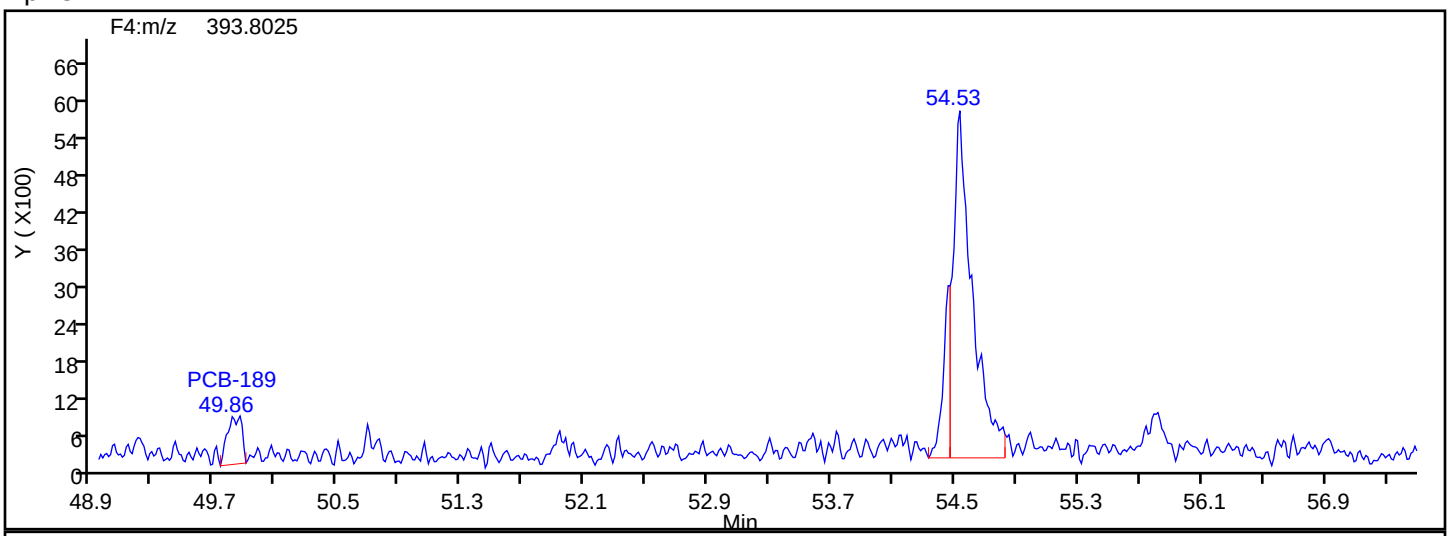


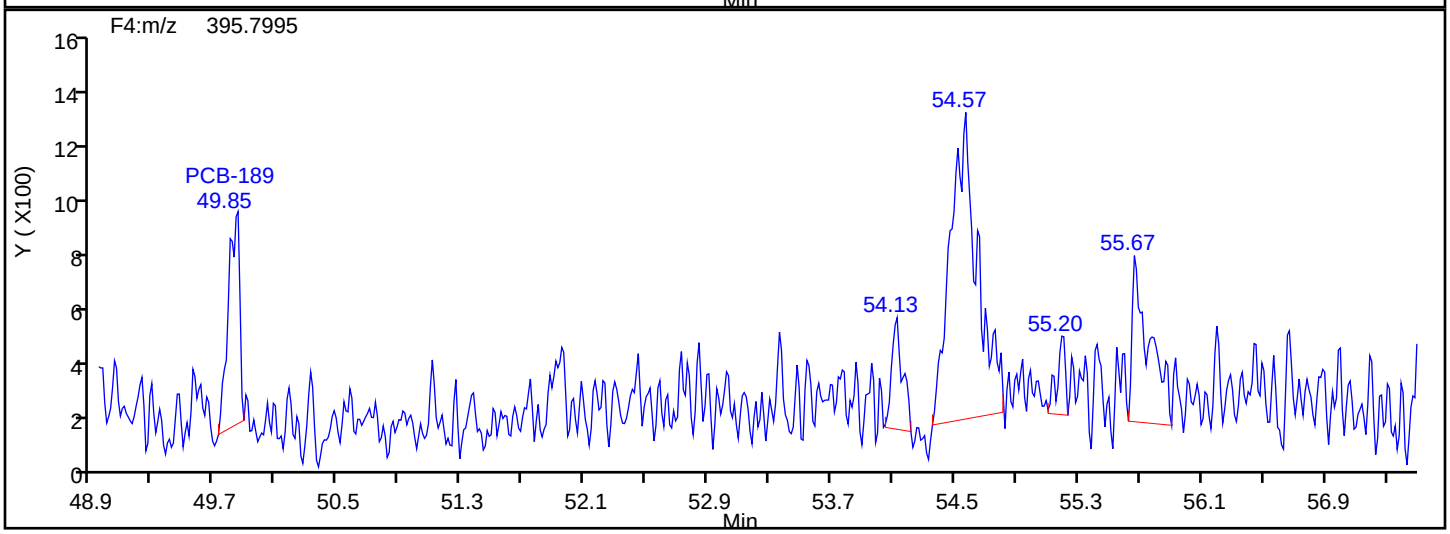



Eurofins TestAmerica, Knoxville

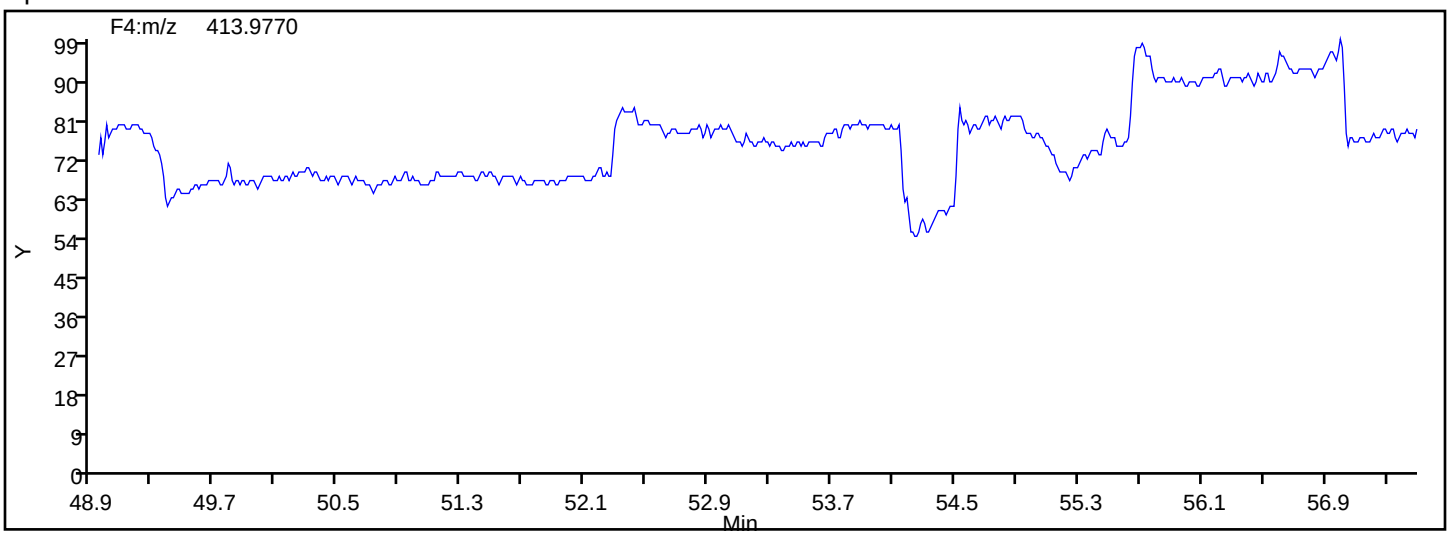
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

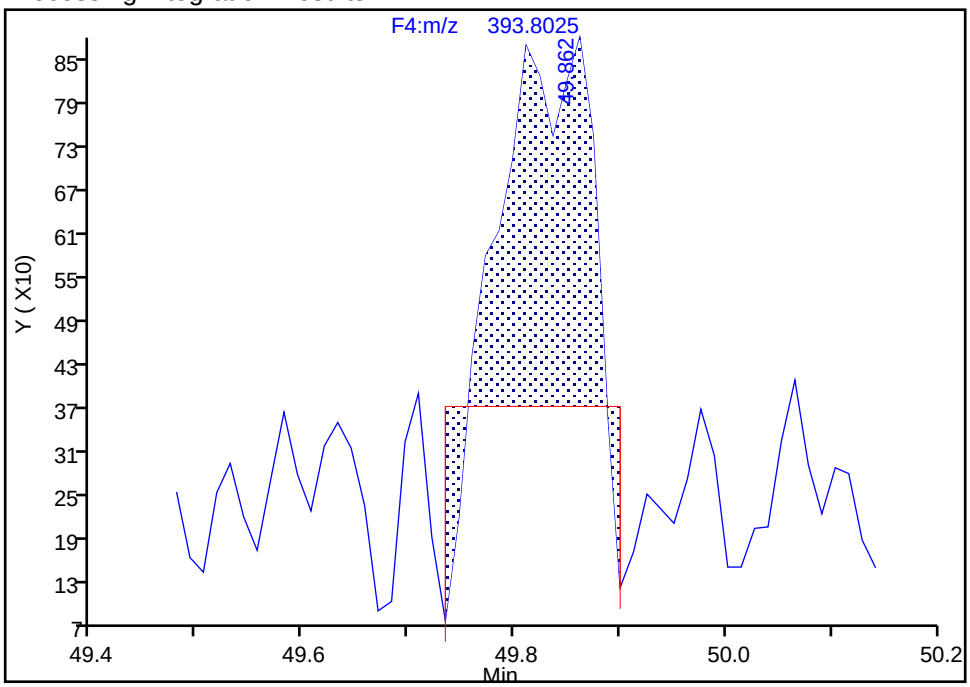
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-189, CAS: 39635-31-9

Signal: 1

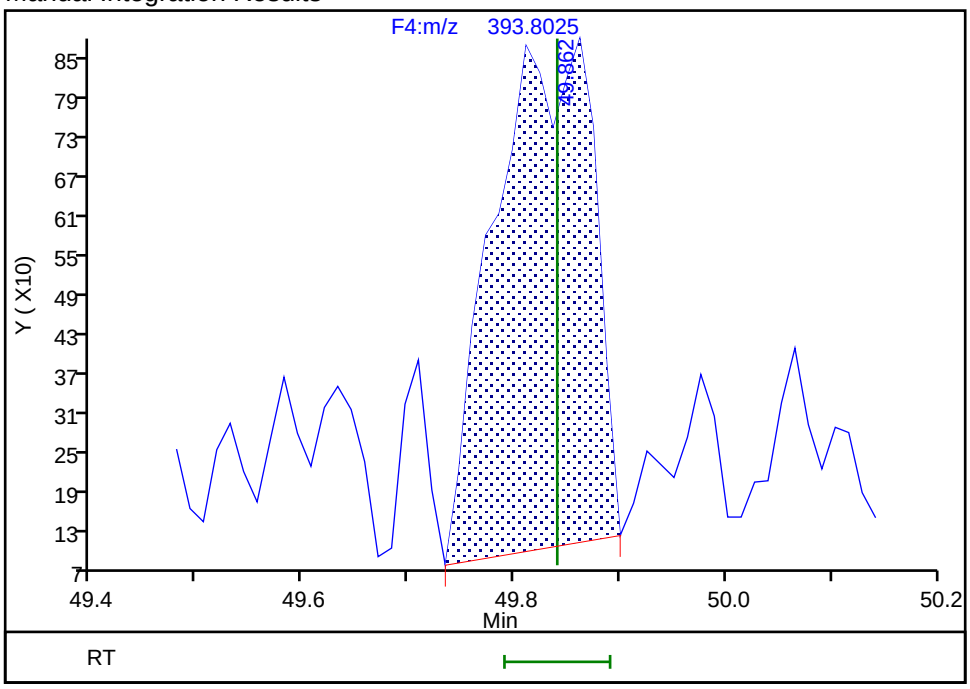
Processing Integration Results

RT: 49.86
Area: 2348
Amount: 0.154811
Amount Units: pg/ul




Manual Integration Results

RT: 49.86
Area: 5033
Amount: 0.223744
Amount Units: pg/ul



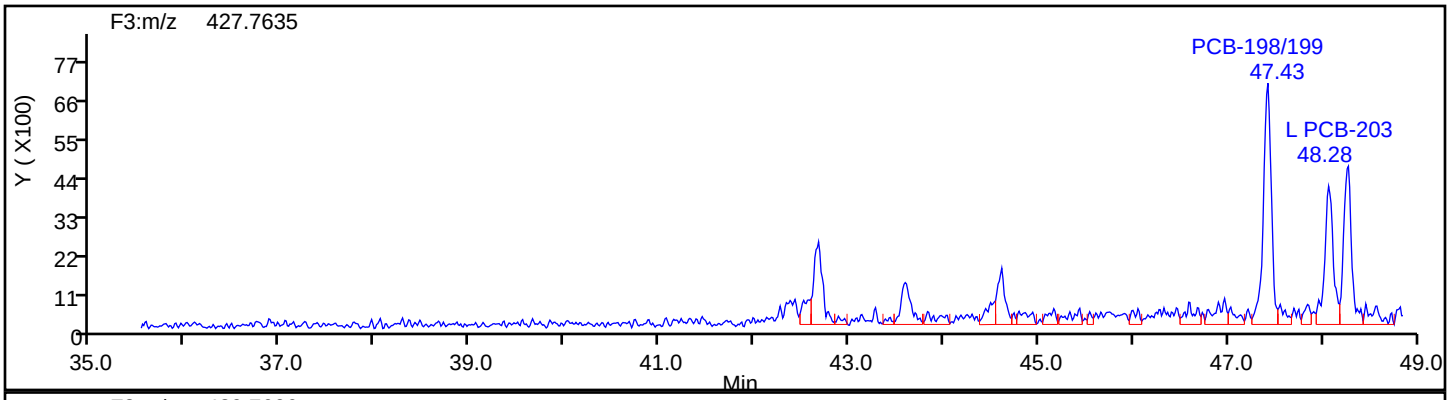

Reviewer: davidsonm, 10-Oct-2019 09:03:11

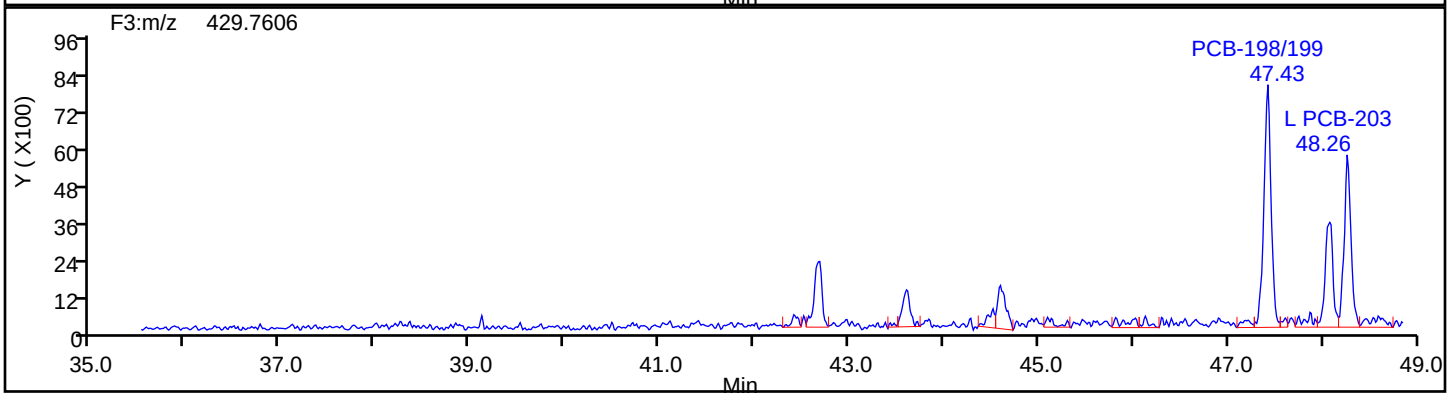
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

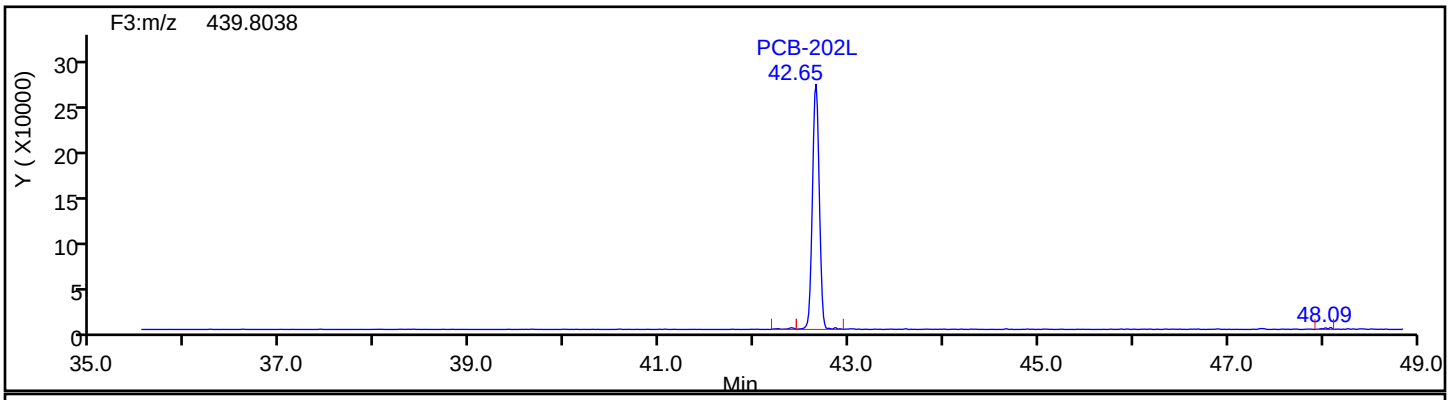
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

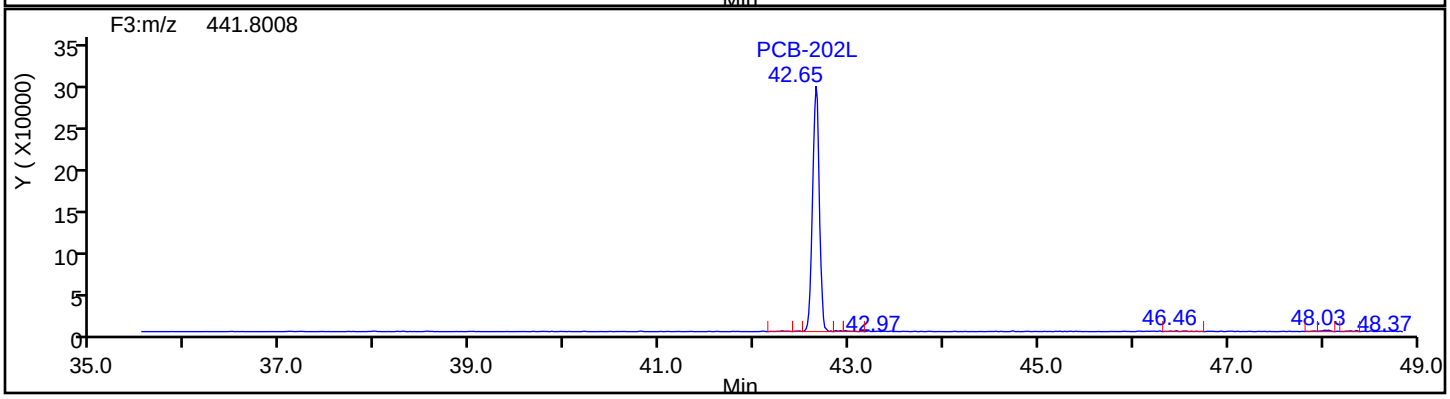
OcPCB F3




OcPCB F3 Standards

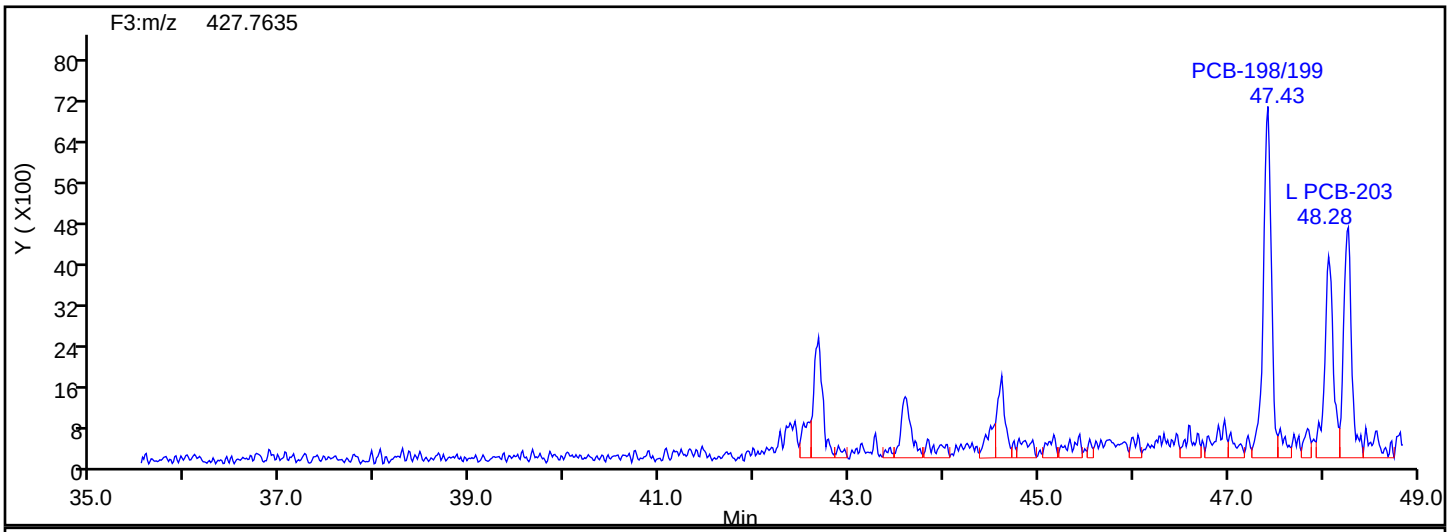


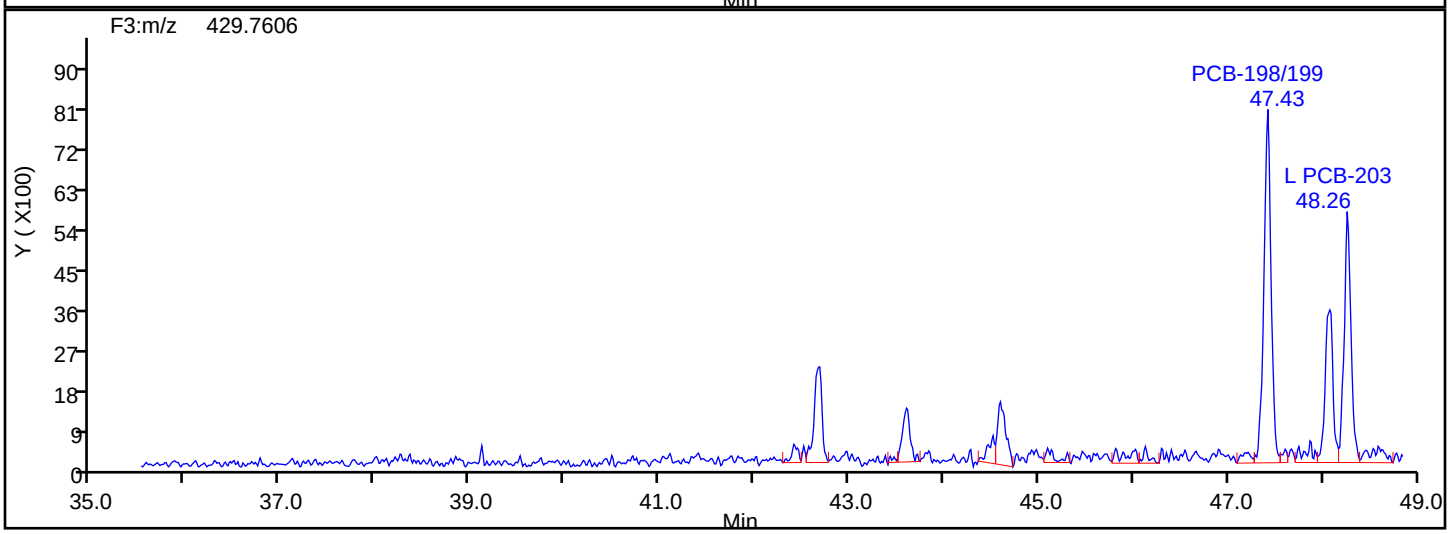



Eurofins TestAmerica, Knoxville

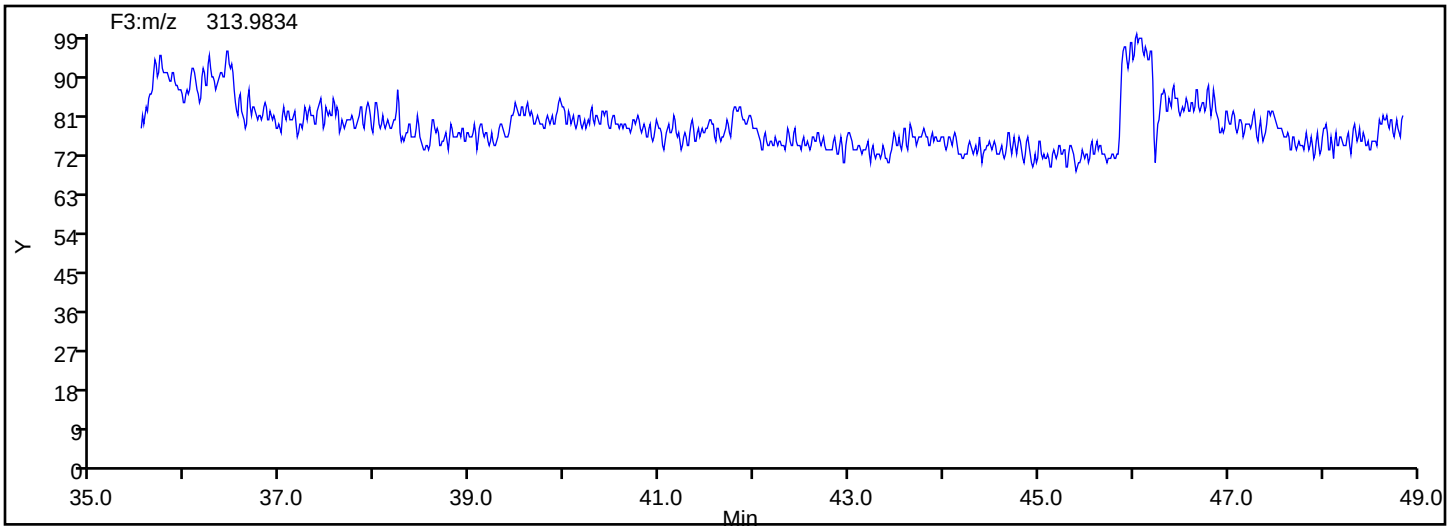
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

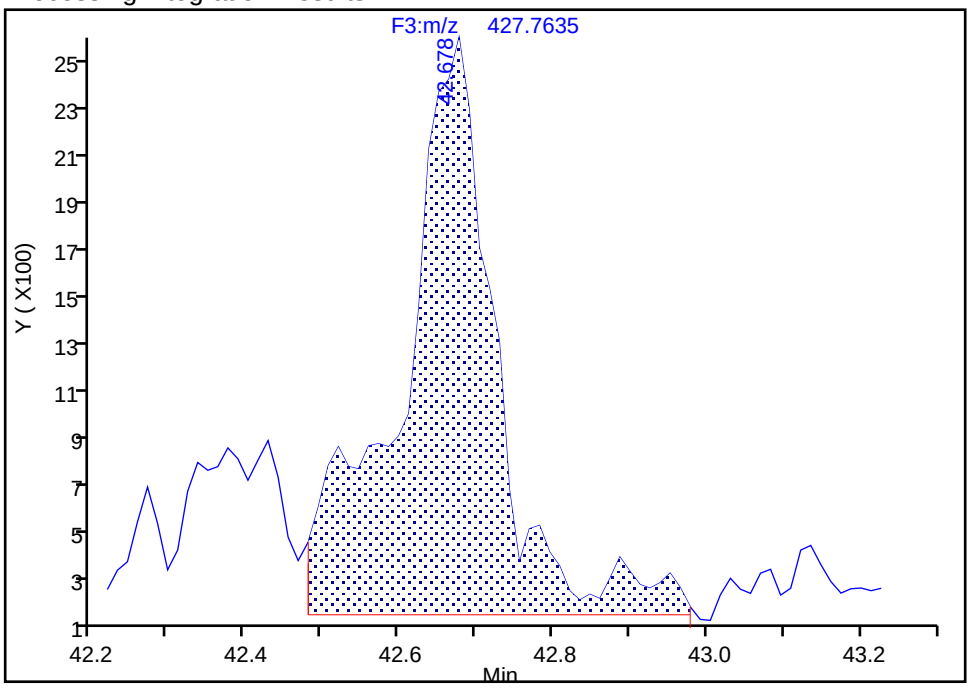
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-202, CAS: 2136-99-4

Signal: 1

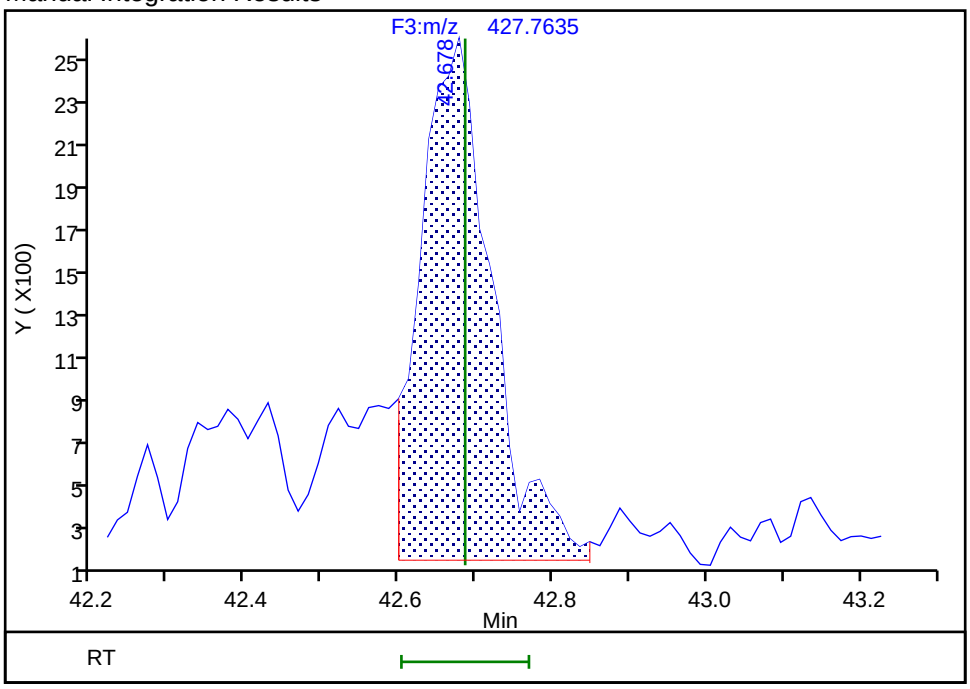
Processing Integration Results

RT: 42.68
Area: 20527
Amount: 1.099993
Amount Units: pg/ul




Manual Integration Results

RT: 42.68
Area: 15116
Amount: 0.920014
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:03:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

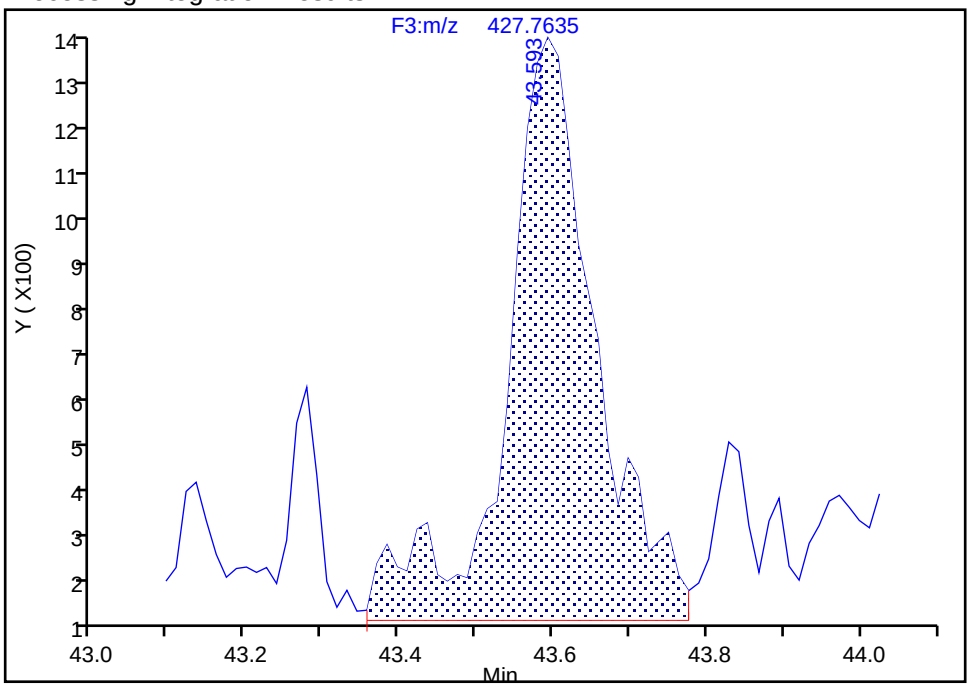
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-201, CAS: 40186-71-8

Signal: 1

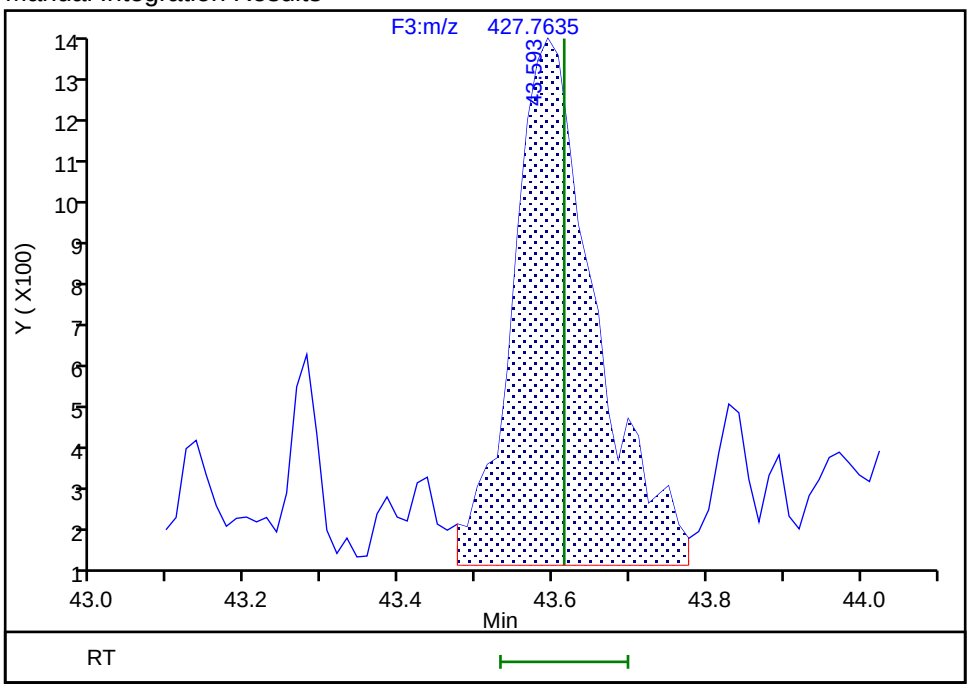
Processing Integration Results

RT: 43.59
Area: 9792
Amount: 0.507488
Amount Units: pg/ul




Manual Integration Results

RT: 43.59
Area: 8925
Amount: 0.468003
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:03:39

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

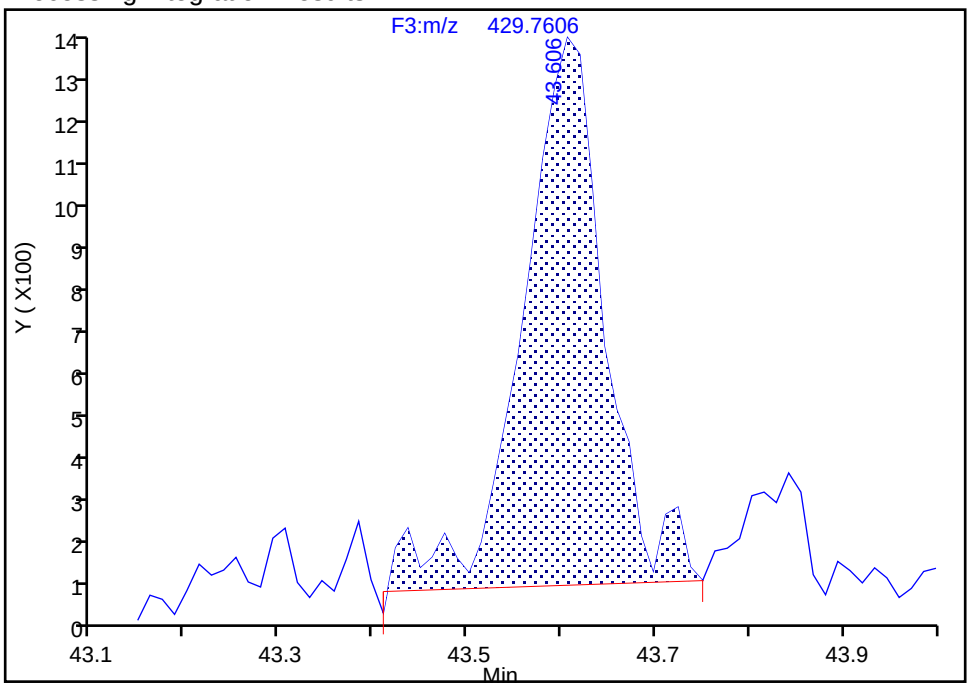
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-201, CAS: 40186-71-8

Signal: 2

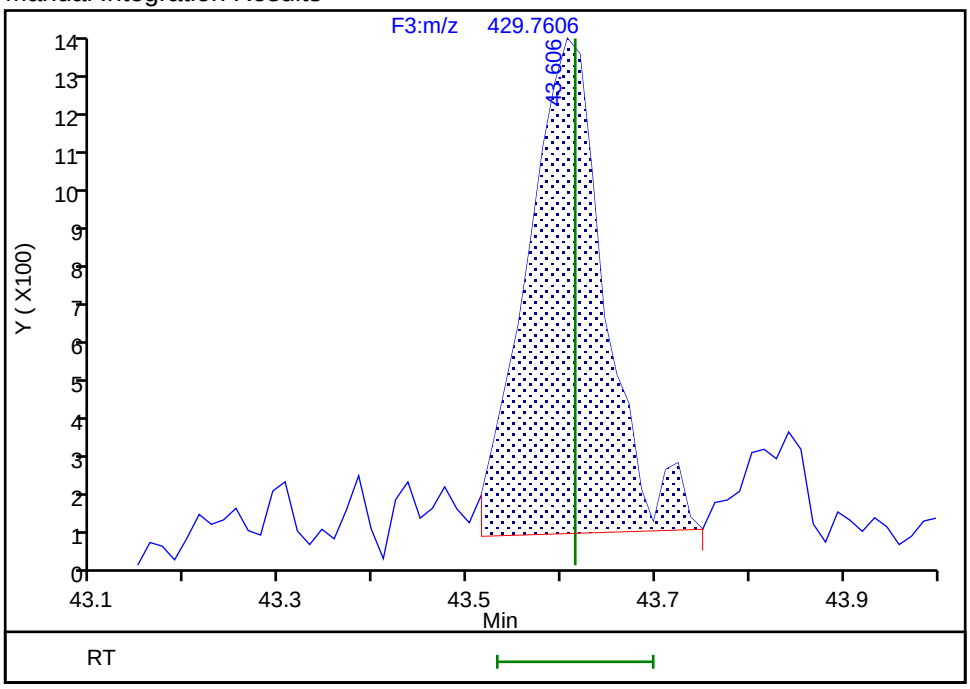
Processing Integration Results

RT: 43.61
Area: 7392
Amount: 0.507488
Amount Units: pg/ul




Manual Integration Results

RT: 43.61
Area: 6922
Amount: 0.468003
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:03:44

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

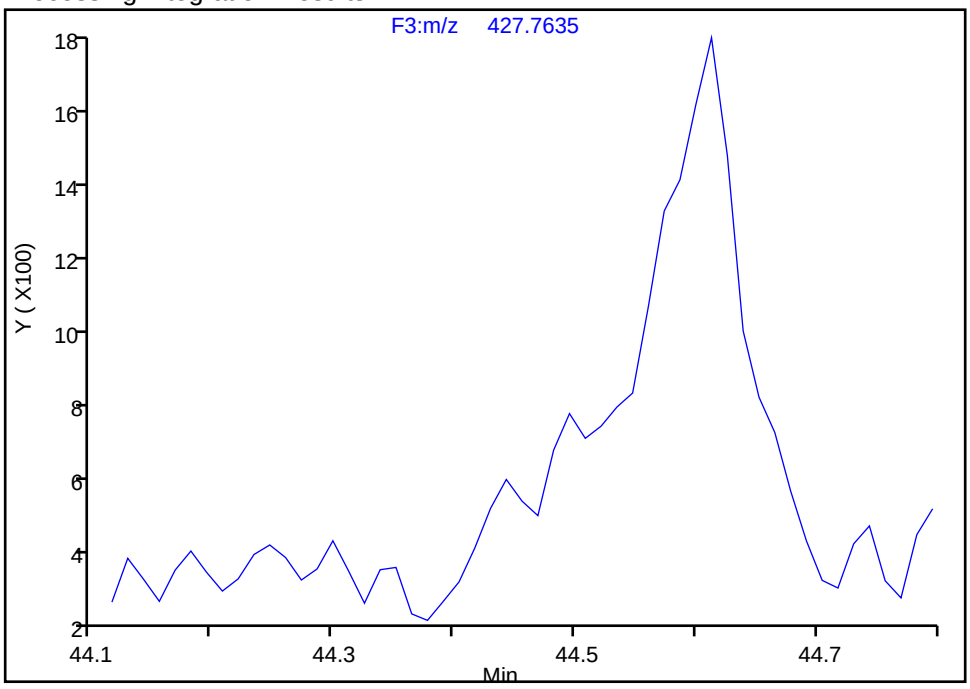
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-197, CAS: 33091-17-7

Signal: 1

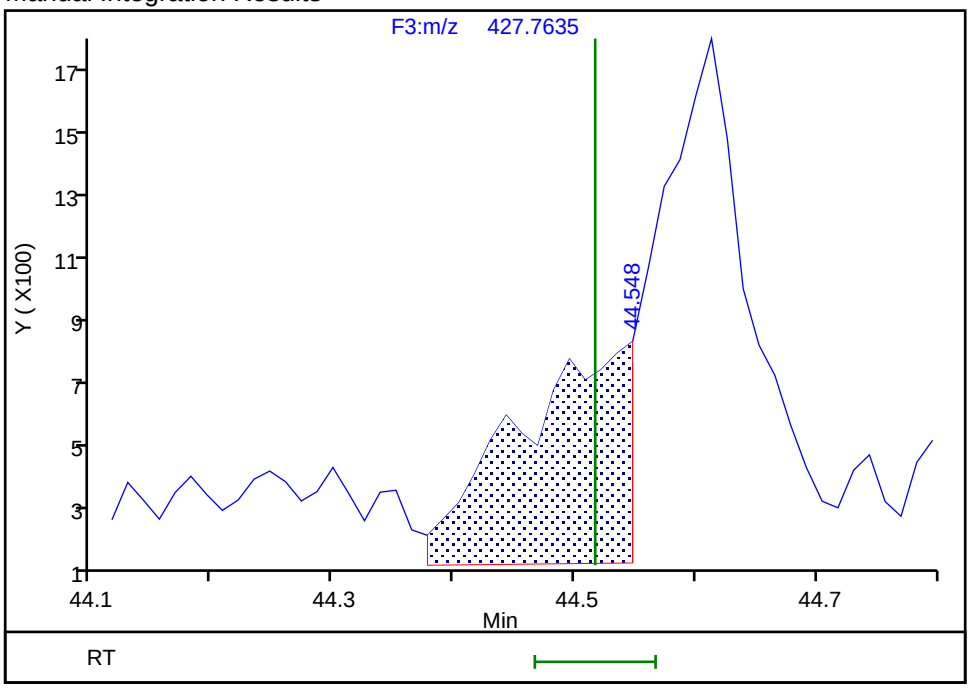
Not Detected
Expected RT: 44.52

Processing Integration Results




Manual Integration Results

RT: 44.55
Area: 4377
Amount: 0.215865
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:04:46
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

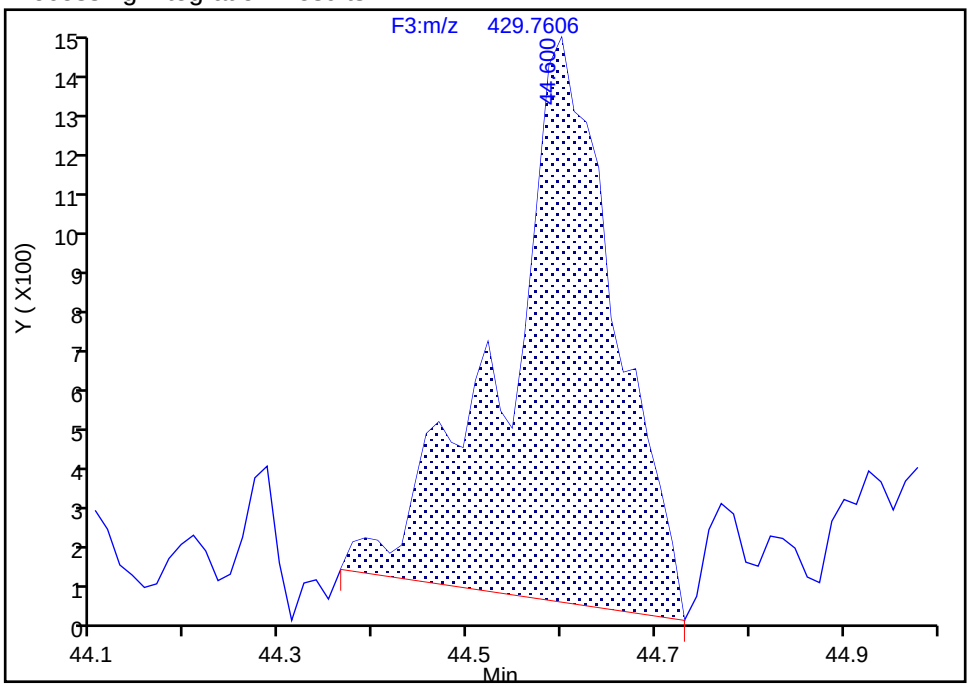
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 2

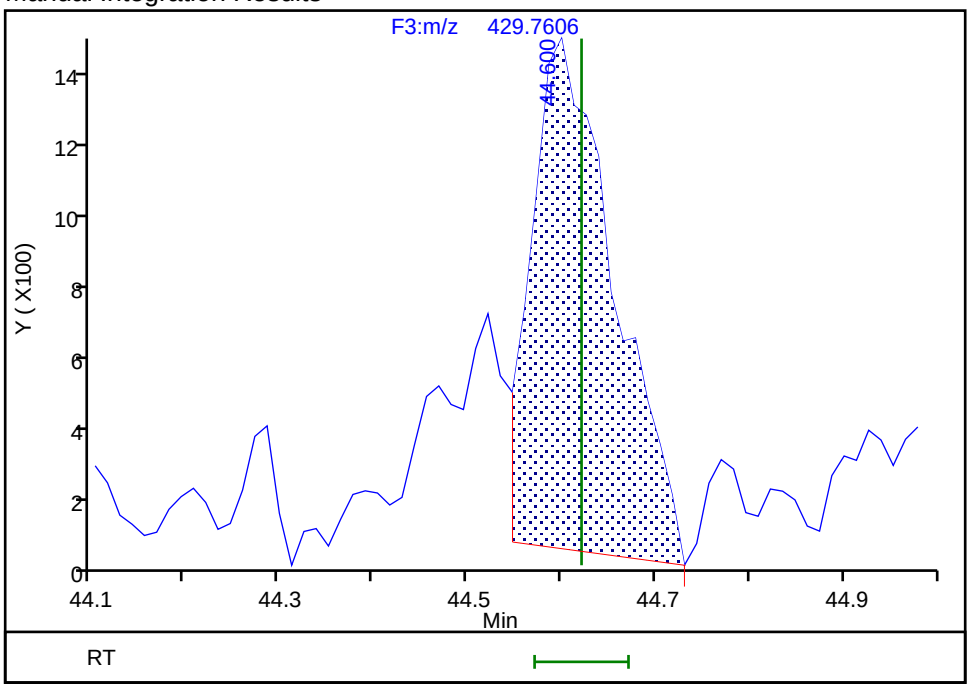
Processing Integration Results

RT: 44.60
Area: 11671
Amount: 0.780388
Amount Units: pg/ul




Manual Integration Results

RT: 44.60
Area: 8614
Amount: 0.538943
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:04:19

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

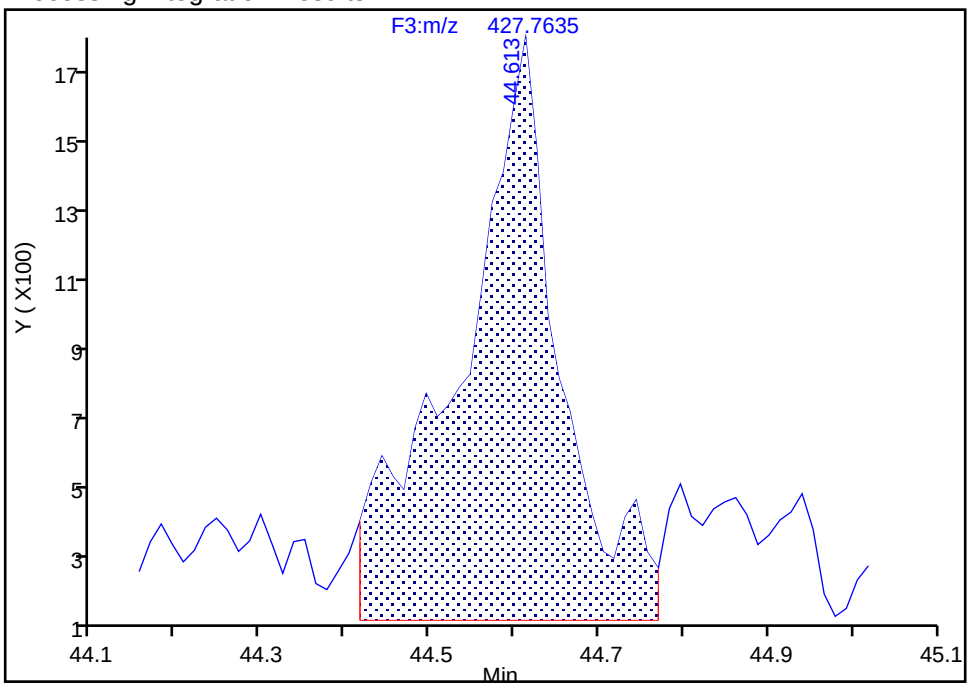
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 1

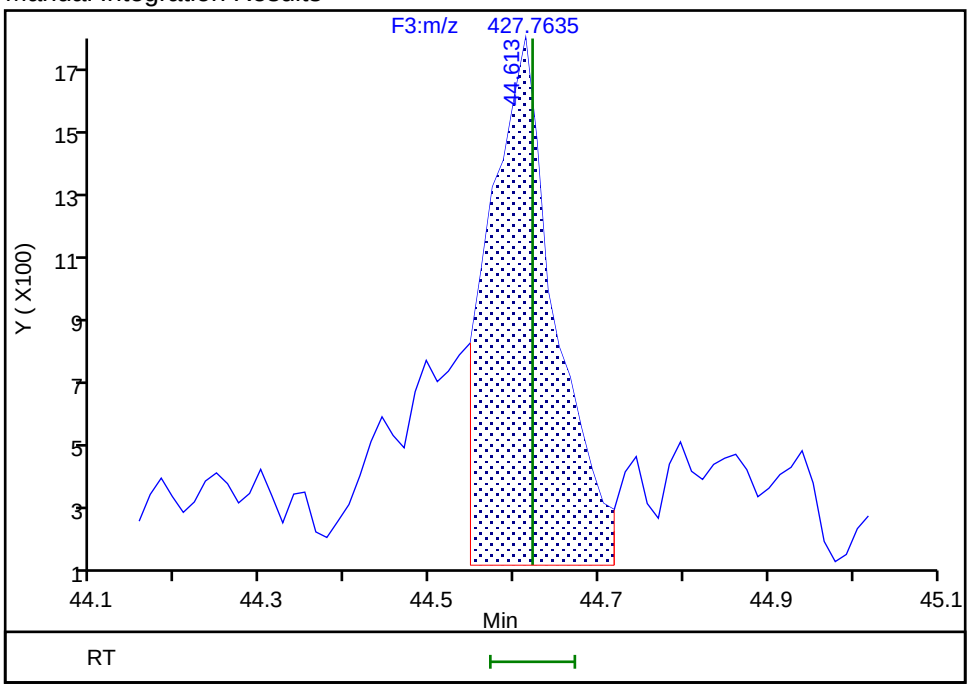
Processing Integration Results

RT: 44.61
Area: 13417
Amount: 0.780388
Amount Units: pg/ul




Manual Integration Results

RT: 44.61
Area: 8712
Amount: 0.538943
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:04:21

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

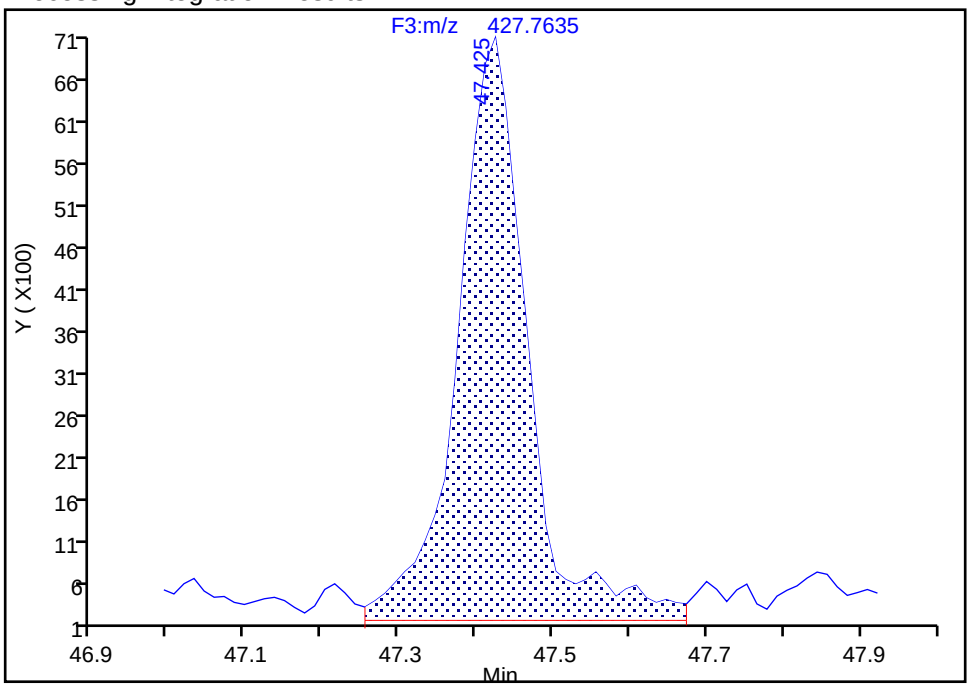
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-198/199, CAS: STL01825

Signal: 1

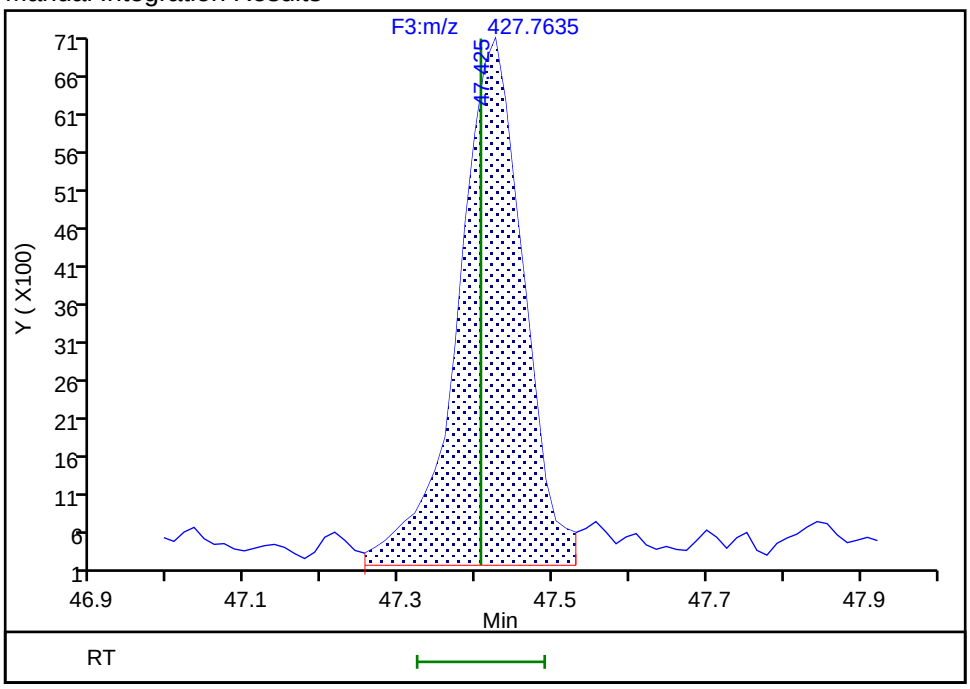
Processing Integration Results

RT: 47.43
Area: 43850
Amount: 3.788921
Amount Units: pg/ul




Manual Integration Results

RT: 47.43
Area: 40856
Amount: 3.543301
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:05:02

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

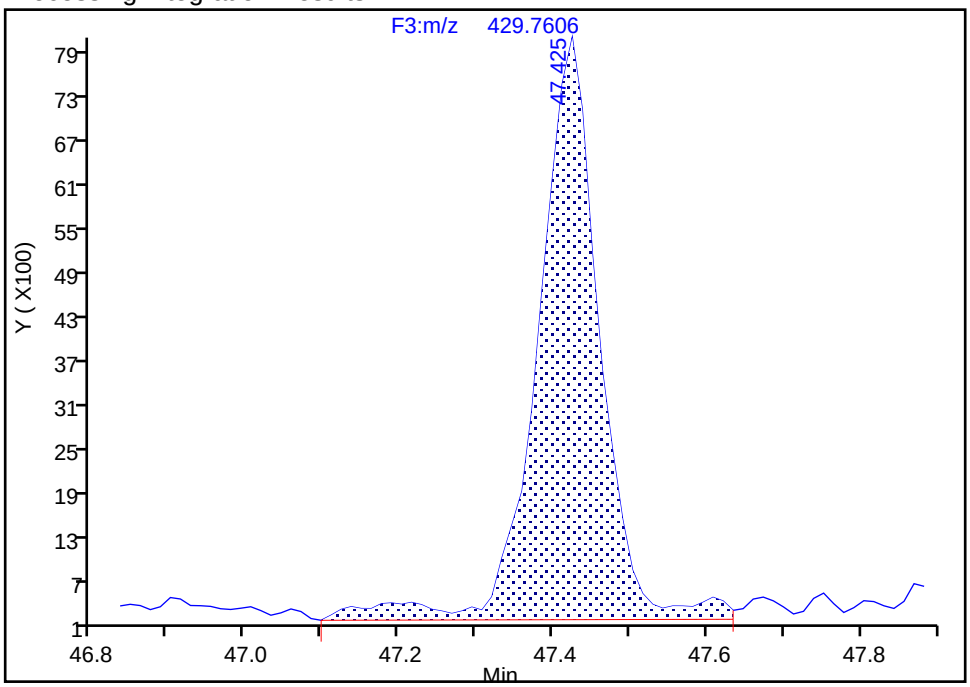
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-198/199, CAS: STL01825

Signal: 2

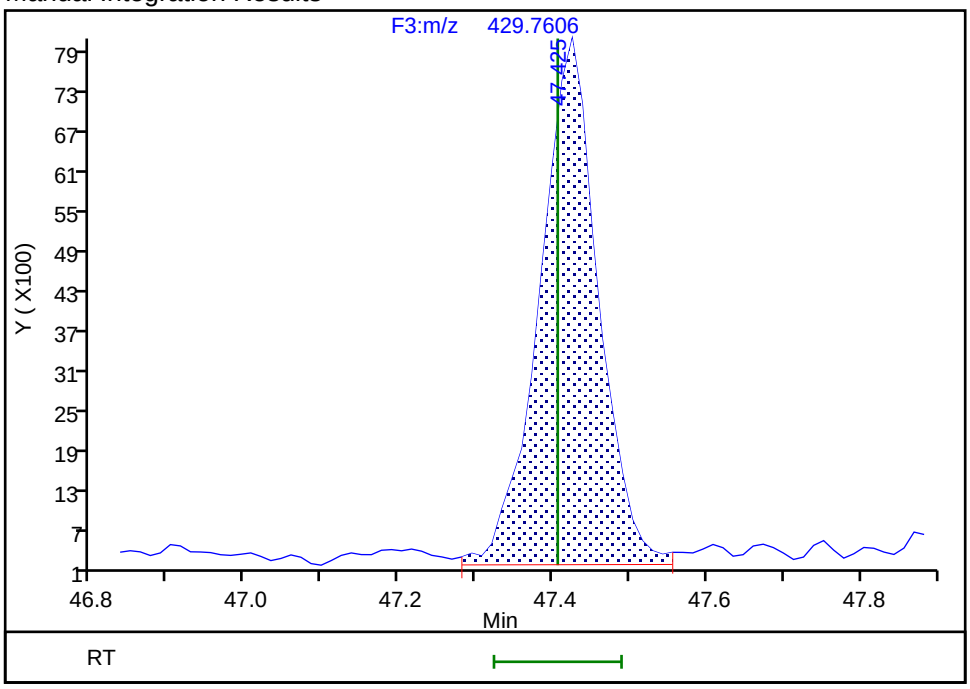
Processing Integration Results

RT: 47.43
Area: 44664
Amount: 3.788921
Amount Units: pg/ul




Manual Integration Results

RT: 47.43
Area: 41920
Amount: 3.543301
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:05:07

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

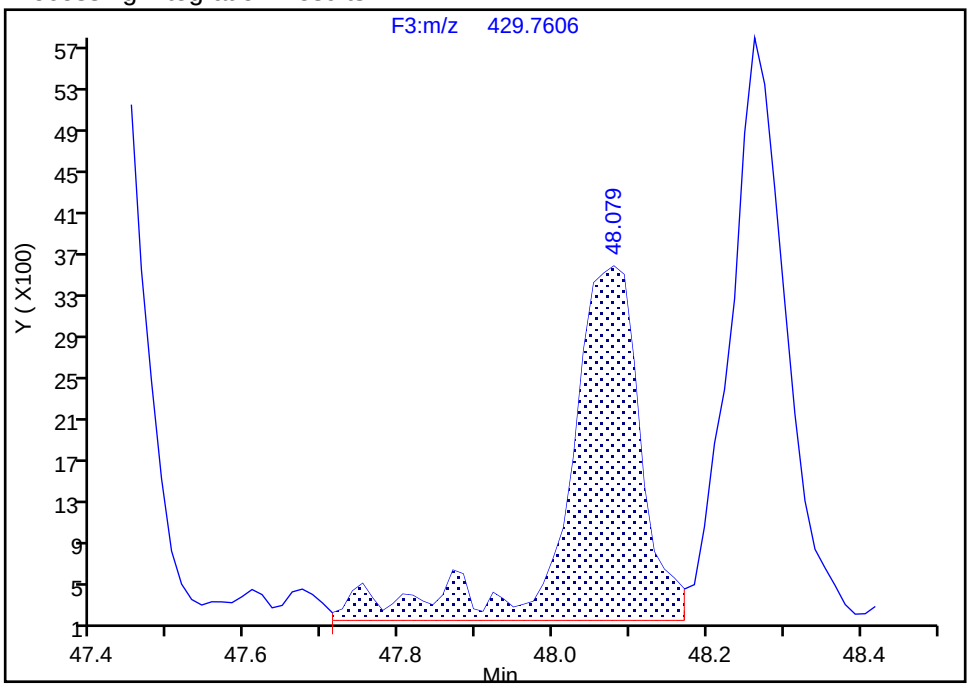
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-196, CAS: 42740-50-1

Signal: 2

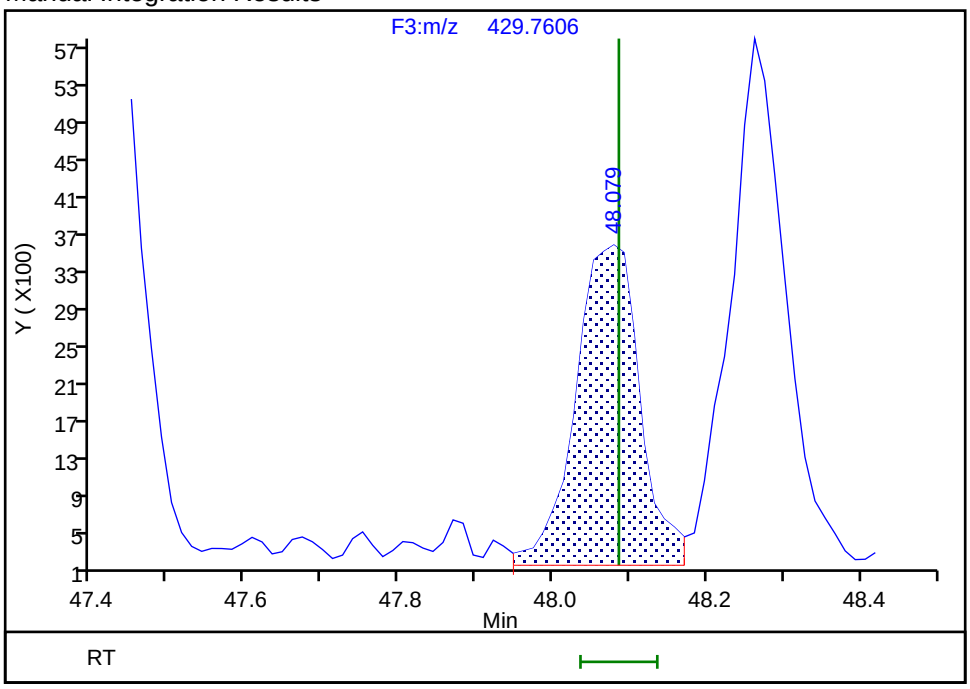
Processing Integration Results

RT: 48.08
Area: 22938
Amount: 1.936861
Amount Units: pg/ul




Manual Integration Results

RT: 48.08
Area: 19826
Amount: 1.812259
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:05:12

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

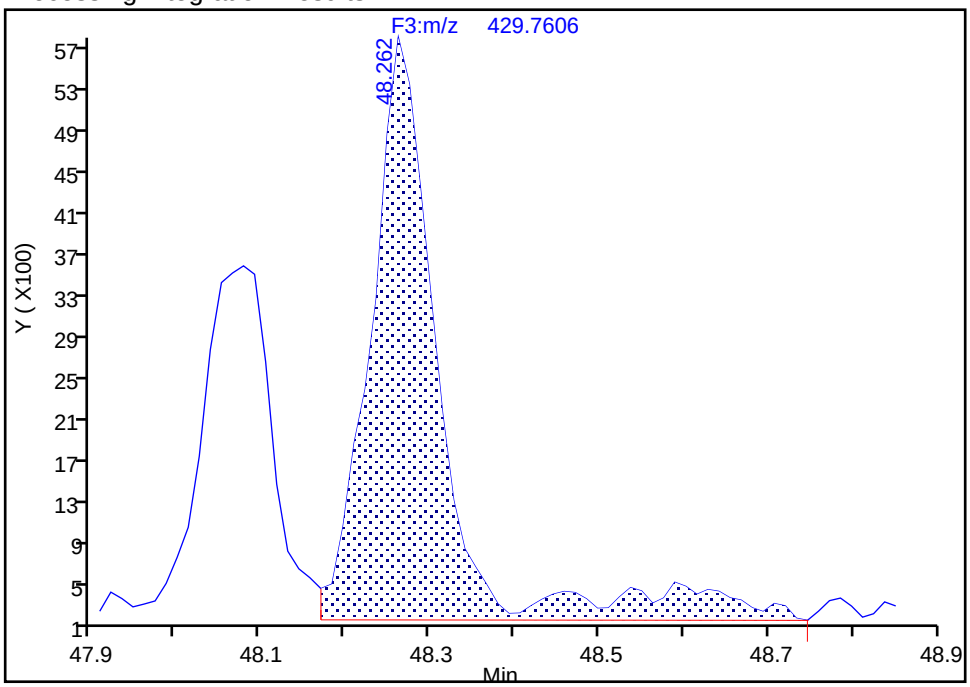
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-203, CAS: 52663-76-0

Signal: 2

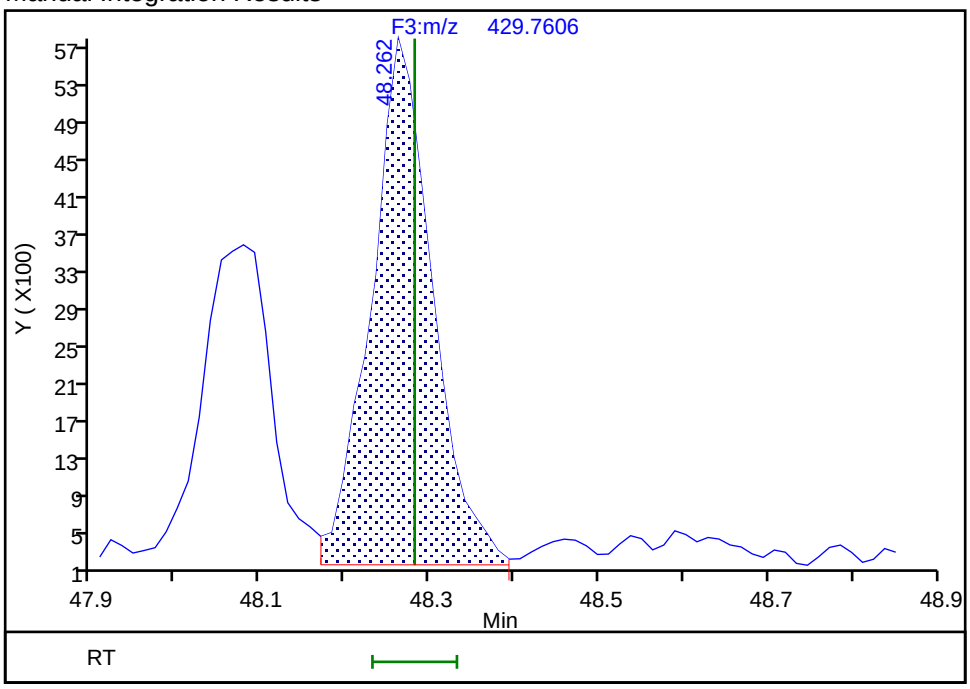
Processing Integration Results

RT: 48.26
Area: 32371
Amount: 2.242360
Amount Units: pg/ul




Manual Integration Results

RT: 48.26
Area: 28207
Amount: 2.084153
Amount Units: pg/ul



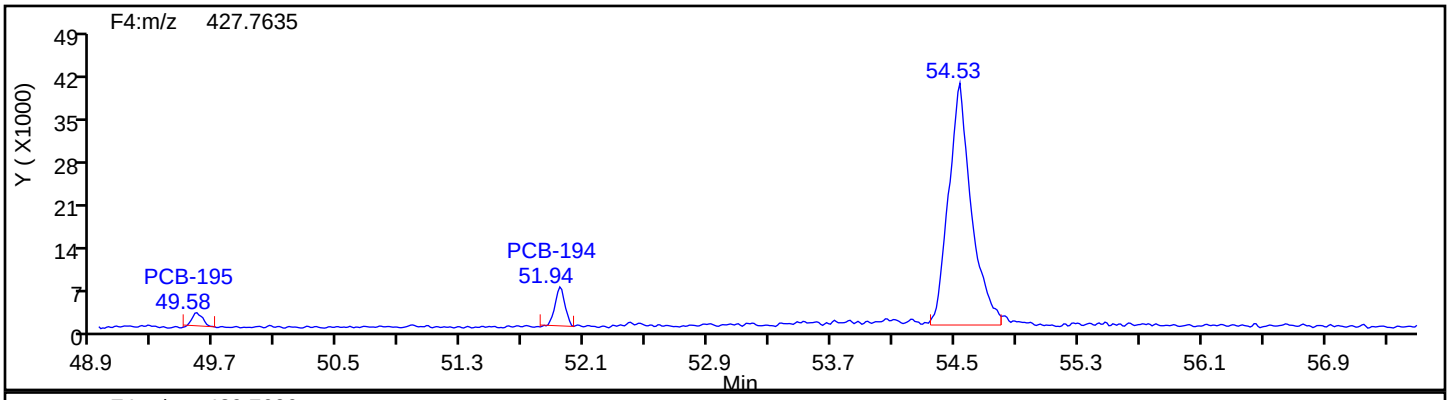

Reviewer: davidsonm, 10-Oct-2019 09:05:17

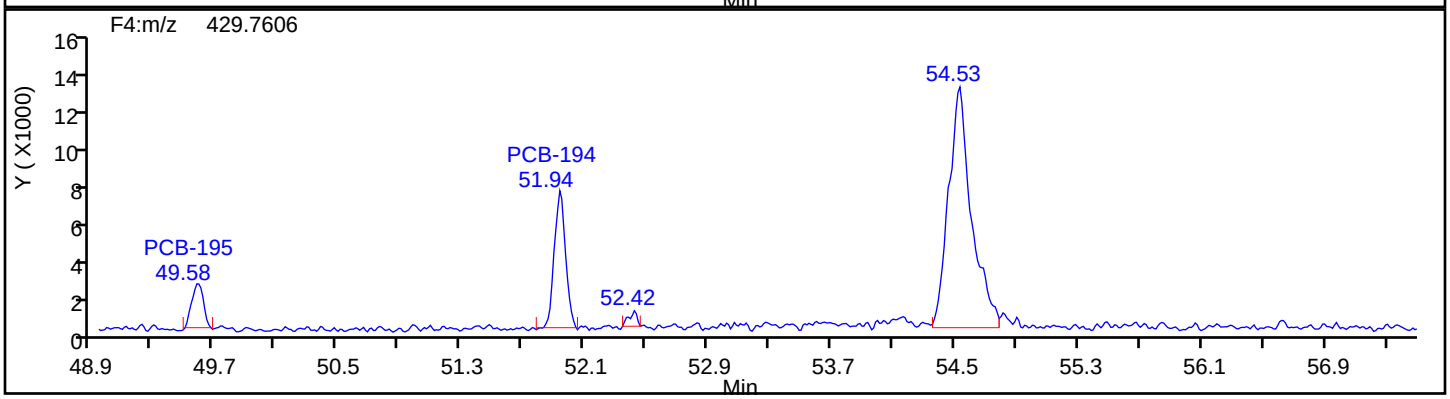
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

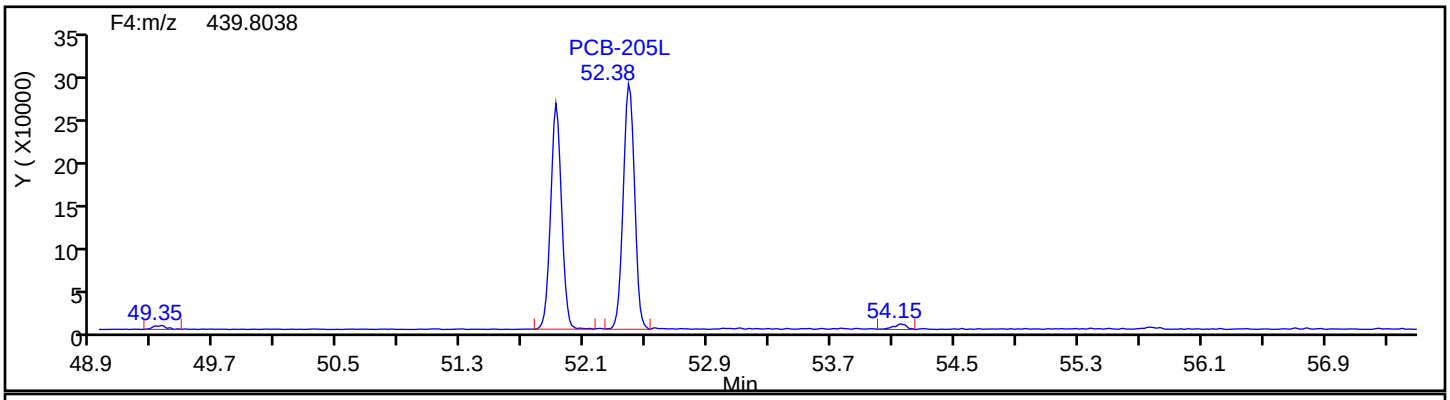
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

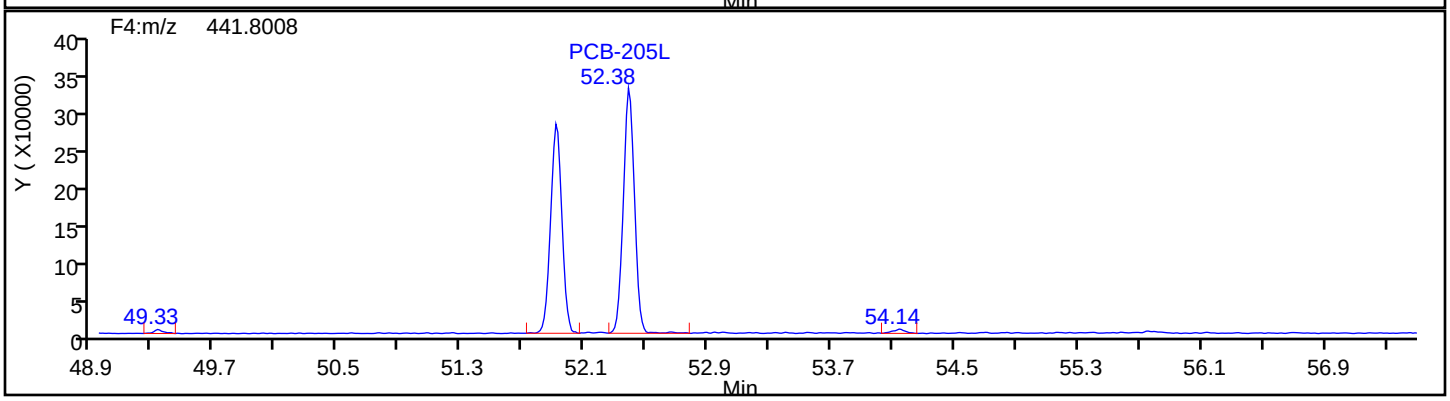
OcPCB F4




OcPCB F4 Standards

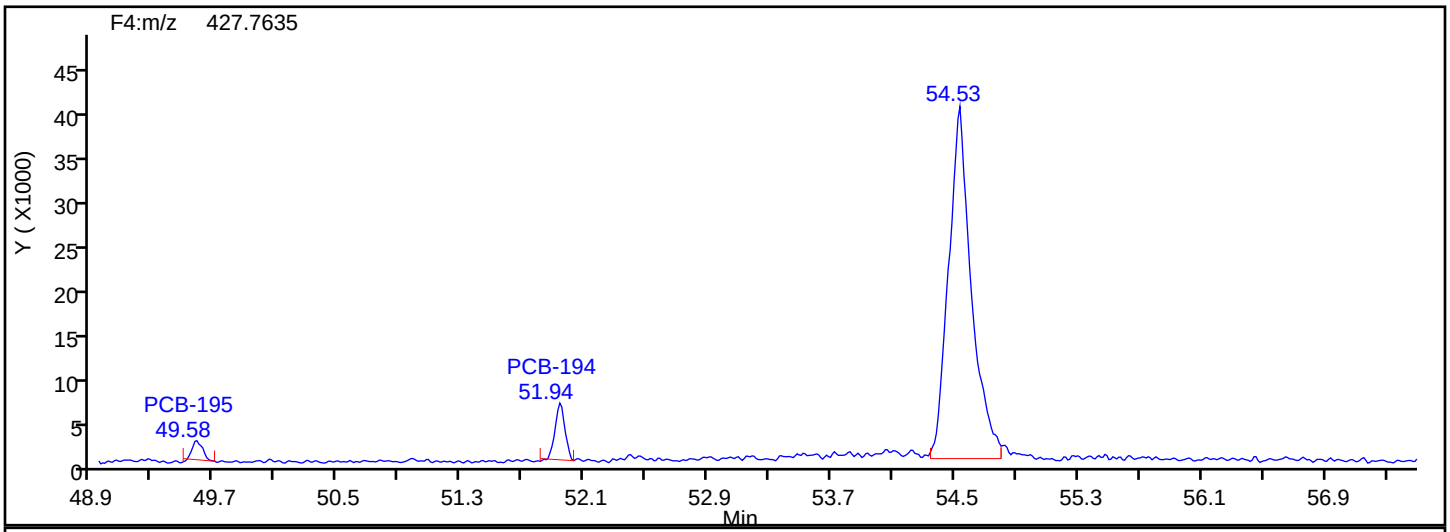


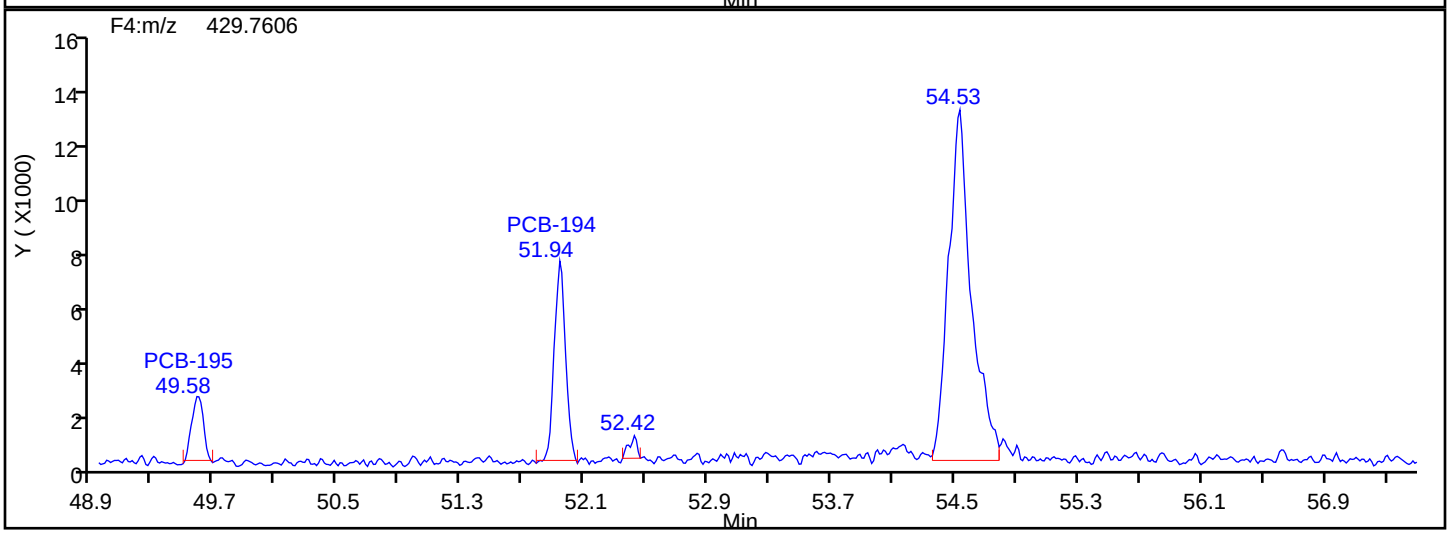



Eurofins TestAmerica, Knoxville

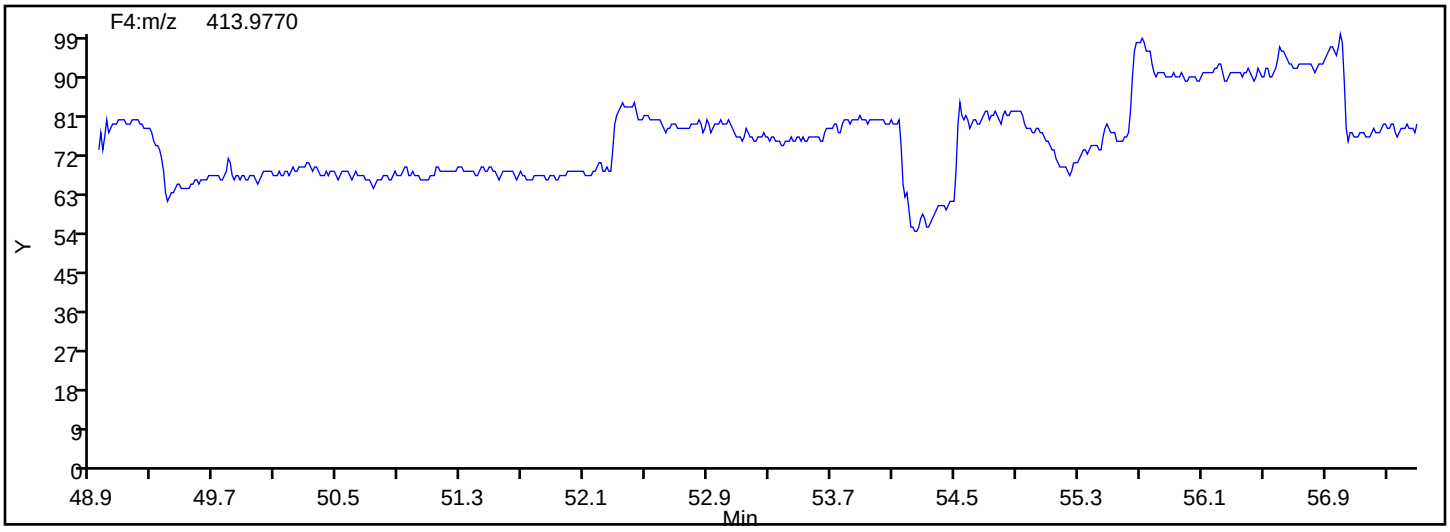
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



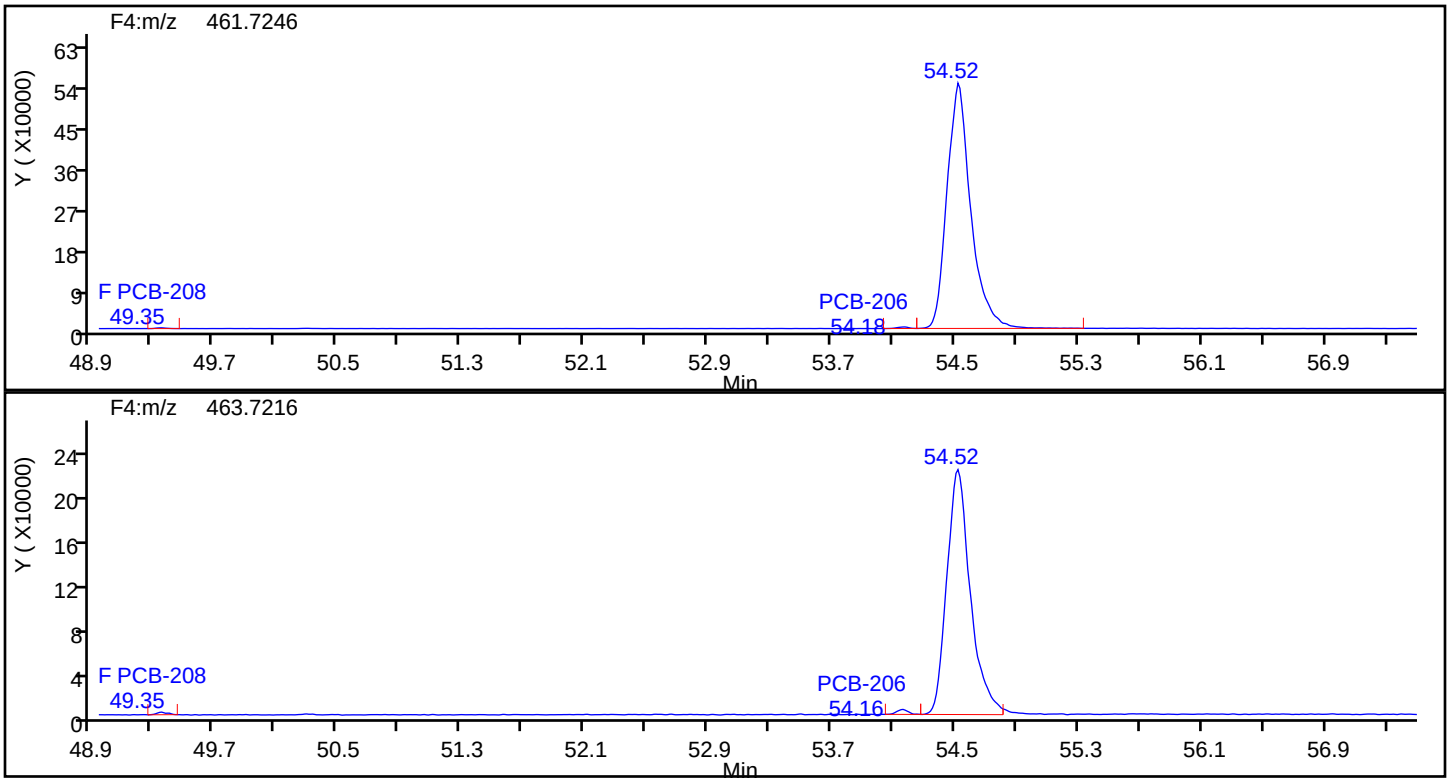

OcPCB F4 Lock Mass



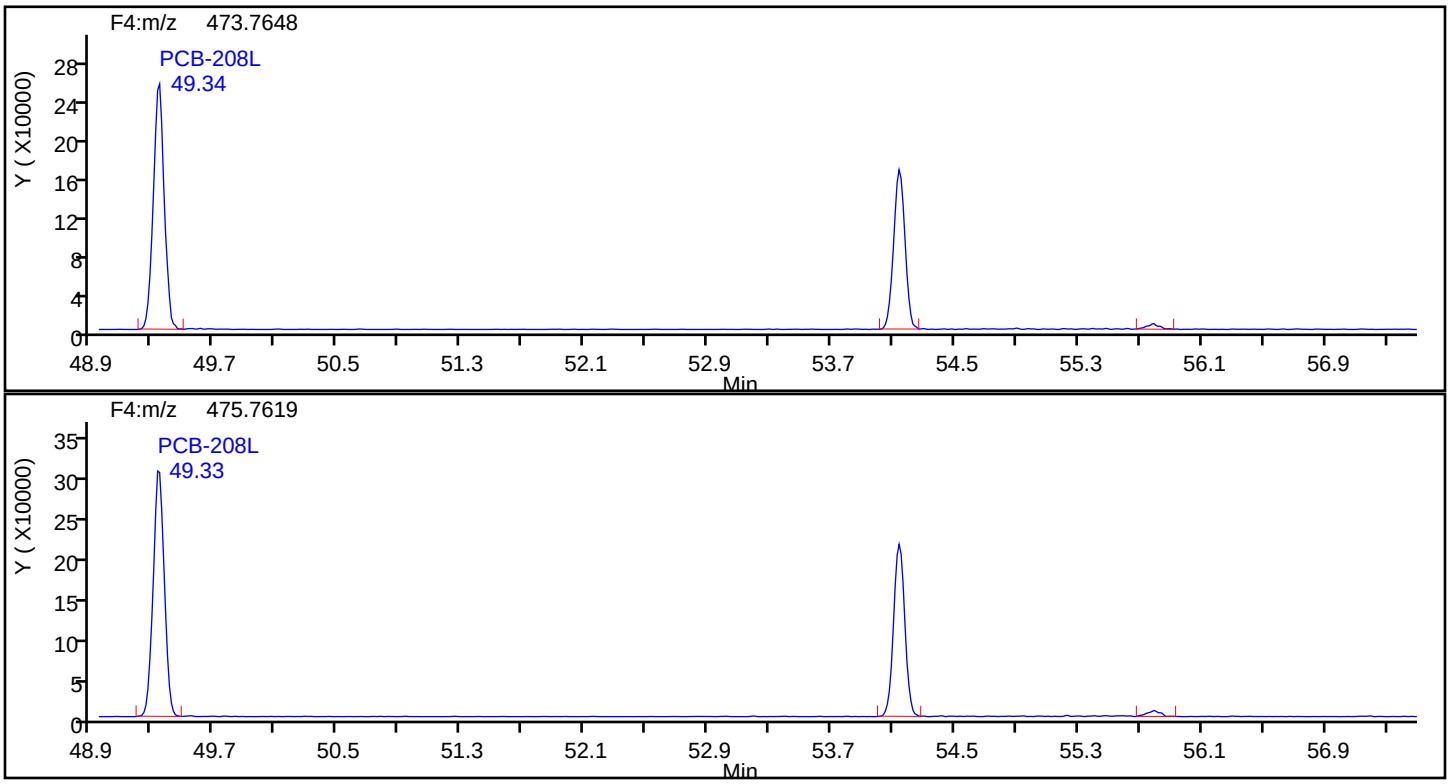
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



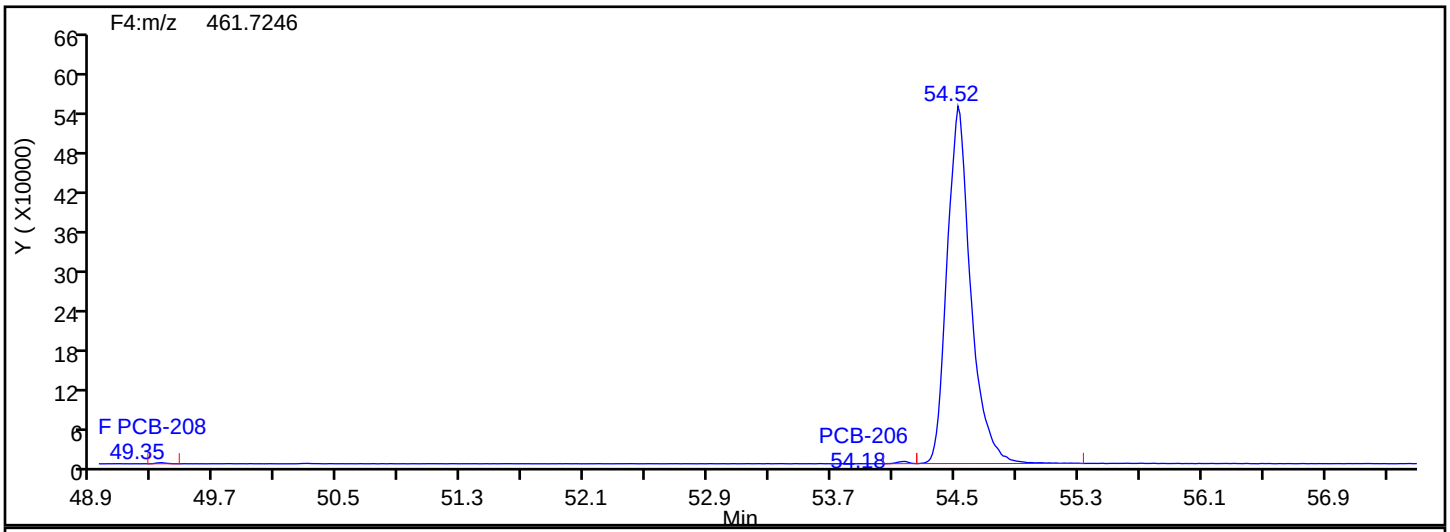

NoPCB F4 Standards

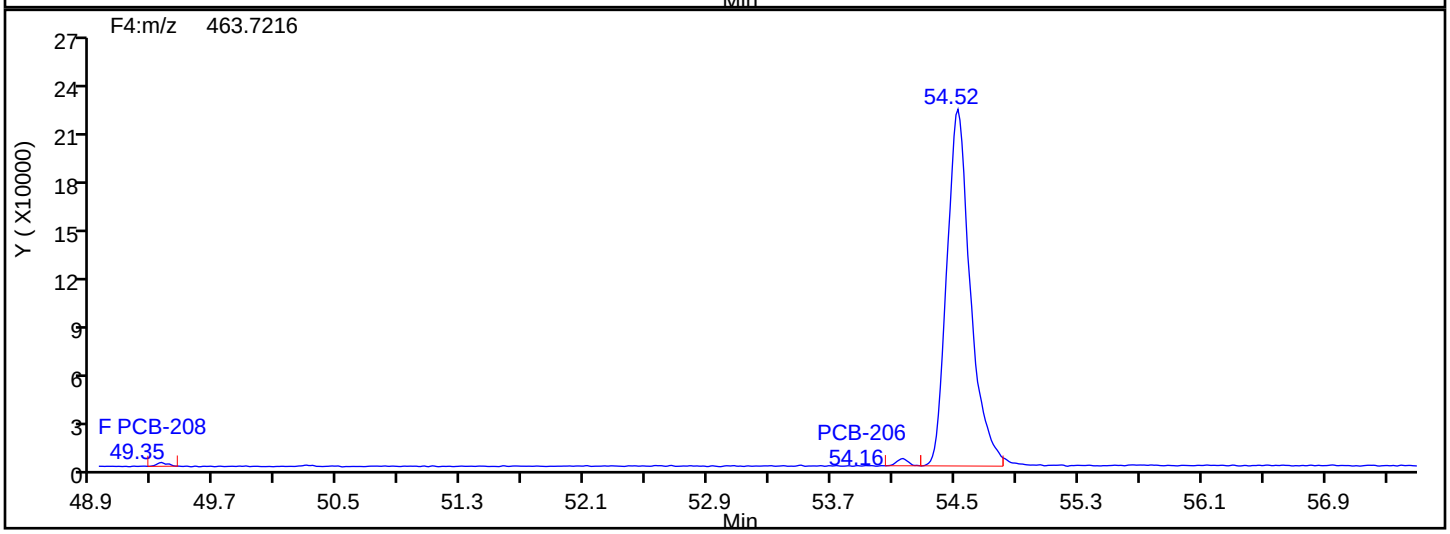


Eurofins TestAmerica, Knoxville

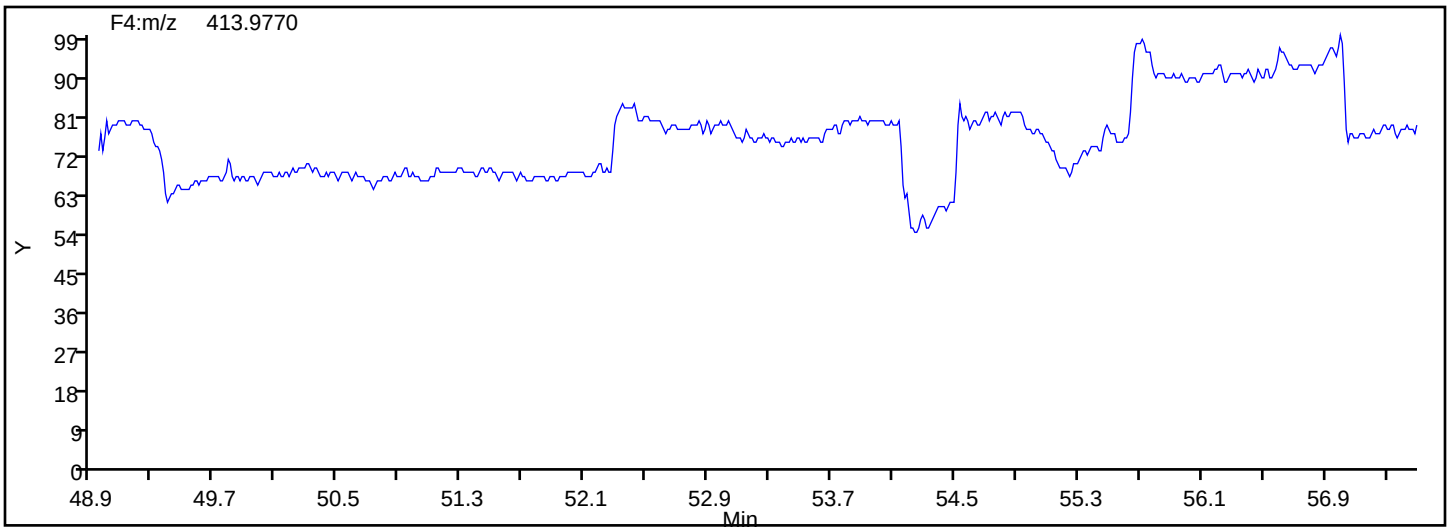
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

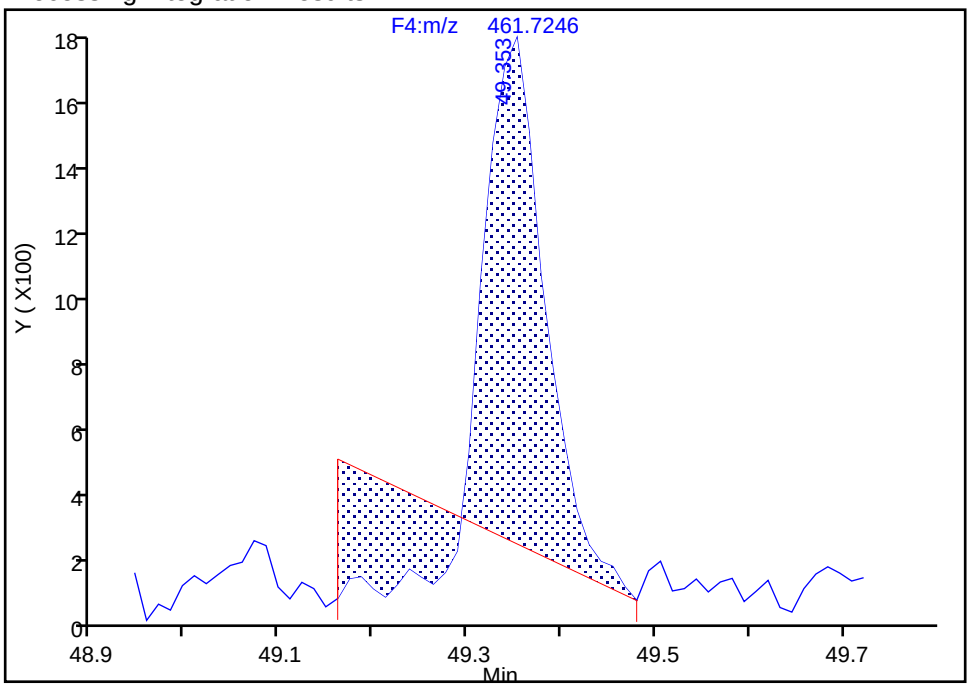
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-208, CAS: 52663-77-1

Signal: 1

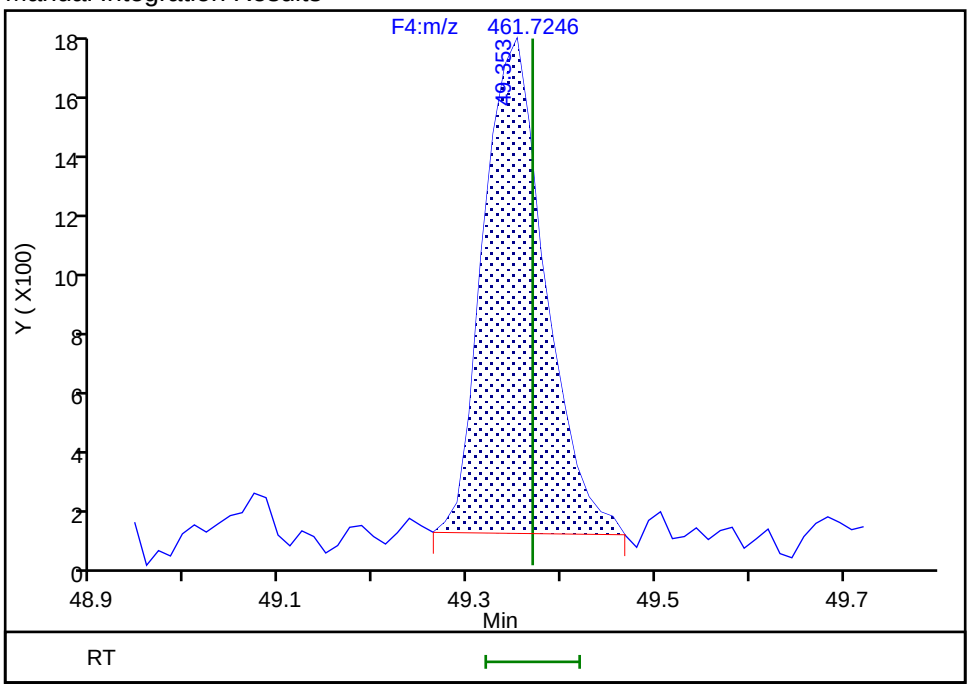
Processing Integration Results

RT: 49.35
Area: 4393
Amount: 0.314156
Amount Units: pg/ul




Manual Integration Results

RT: 49.35
Area: 7571
Amount: 0.574555
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:05:46

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

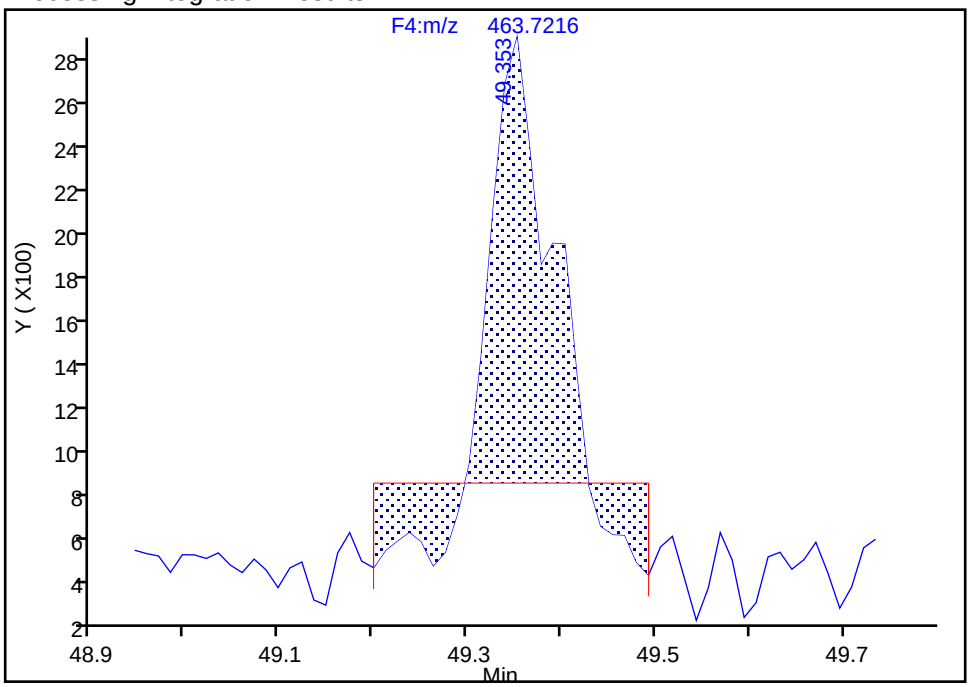
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-208, CAS: 52663-77-1

Signal: 2

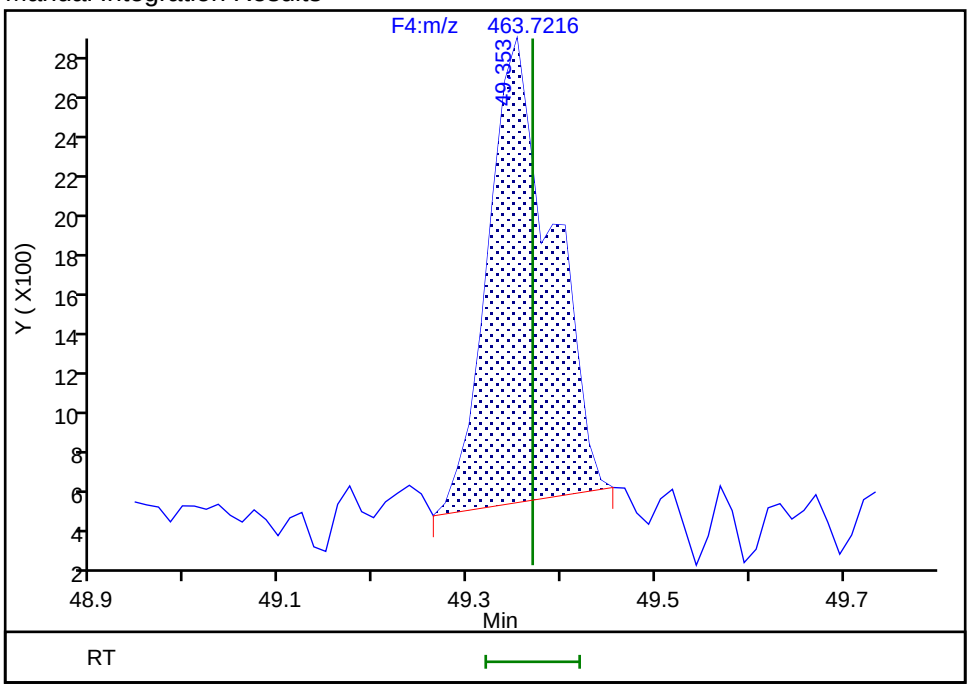
Processing Integration Results

RT: 49.35
Area: 5793
Amount: 0.314156
Amount Units: pg/ul




Manual Integration Results

RT: 49.35
Area: 11058
Amount: 0.574555
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:05:50

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

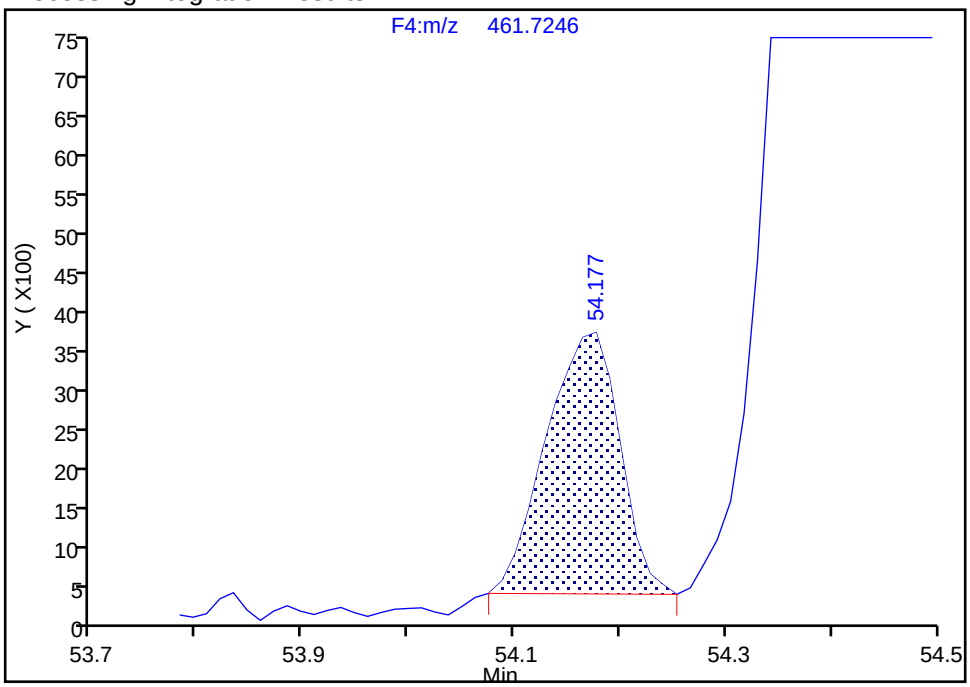
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

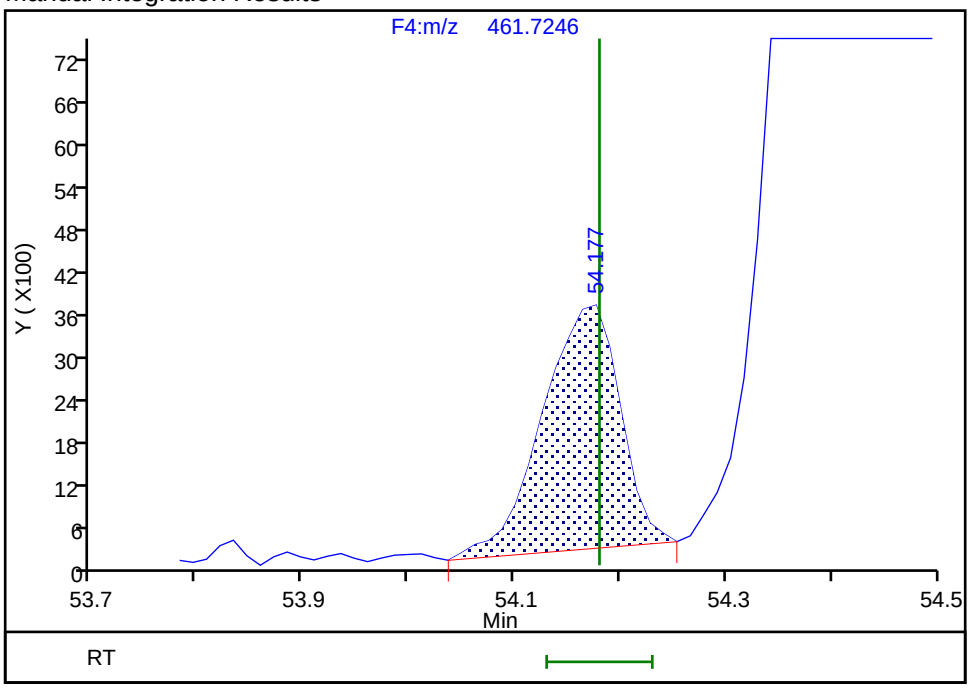
Processing Integration Results

RT: 54.18
Area: 15872
Amount: 1.729547
Amount Units: pg/ul




Manual Integration Results

RT: 54.18
Area: 17375
Amount: 1.714462
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:05:57

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

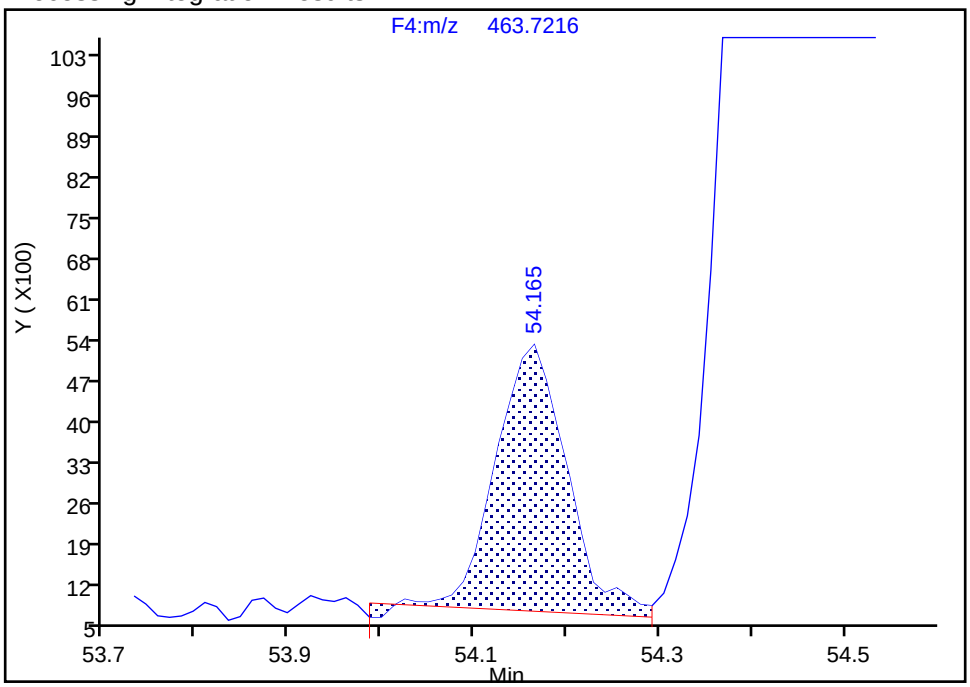
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-F | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

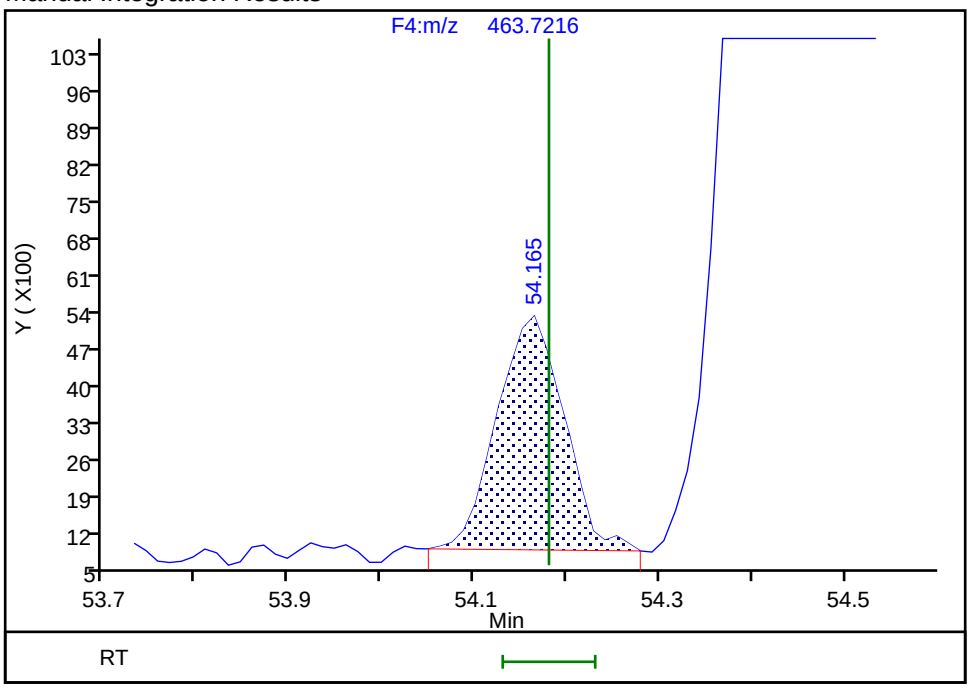
Processing Integration Results

RT: 54.16
Area: 24143
Amount: 1.729547
Amount Units: pg/ul




Manual Integration Results

RT: 54.16
Area: 22291
Amount: 1.714462
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:06:01

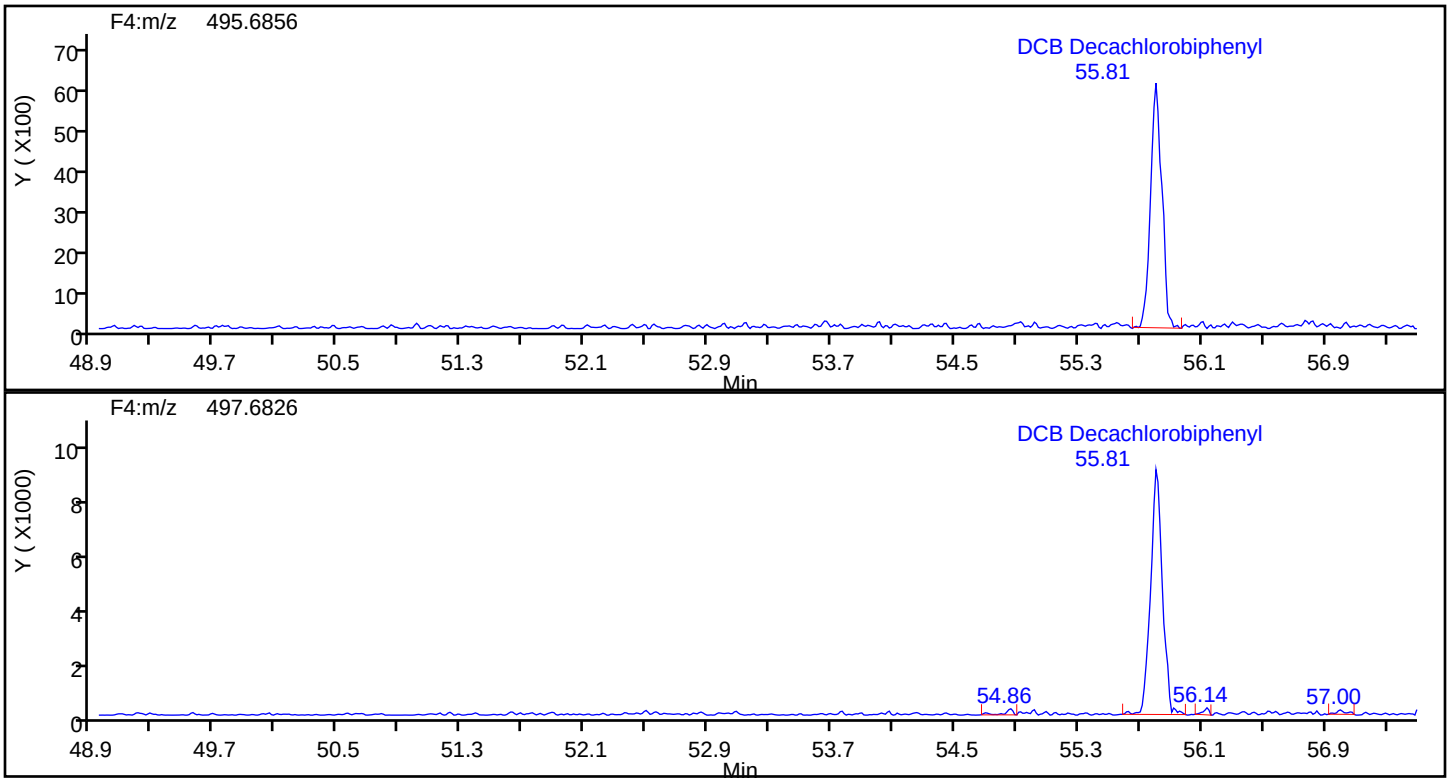
Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 10-Oct-2019 09:06:15 Chrom Revision: 2.3 17-Sep-2019 16:19:08

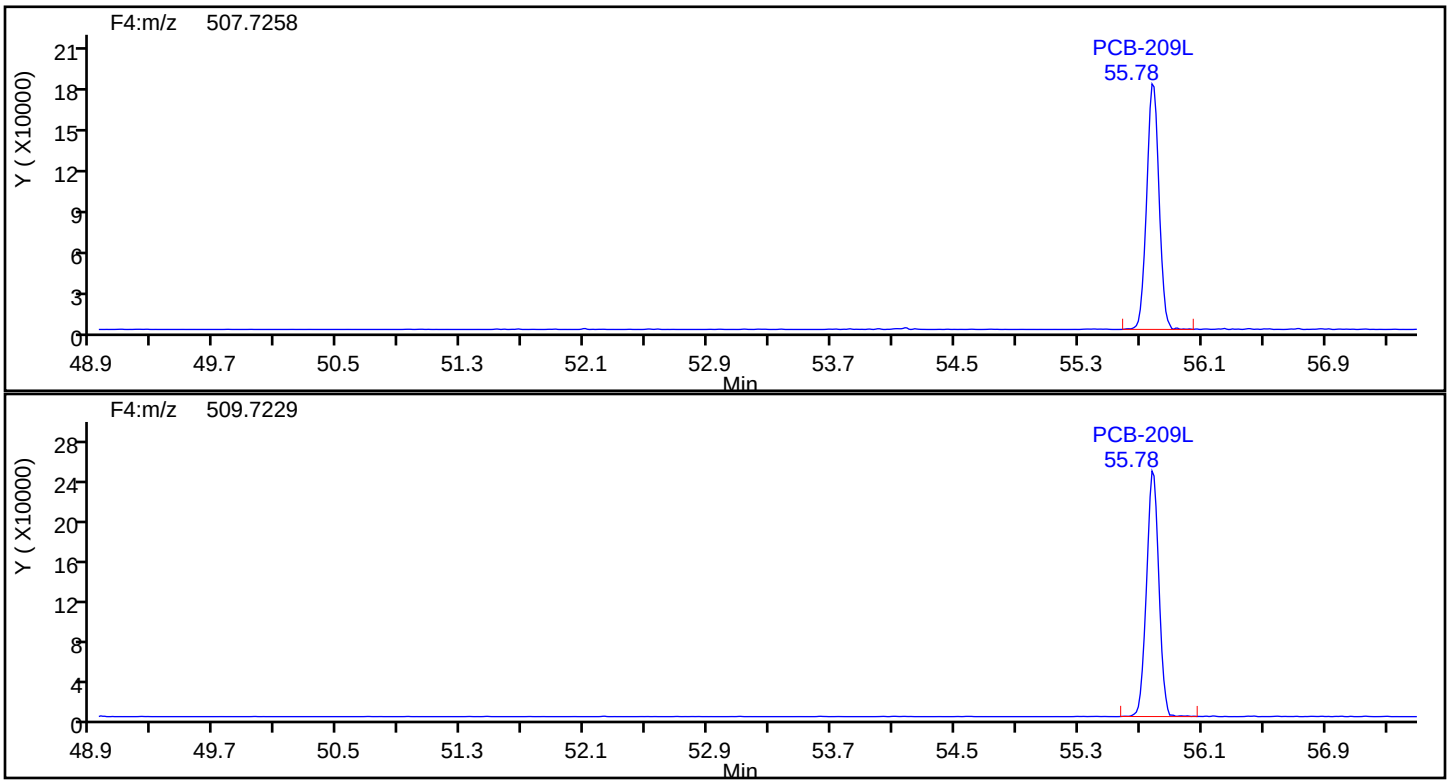
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4



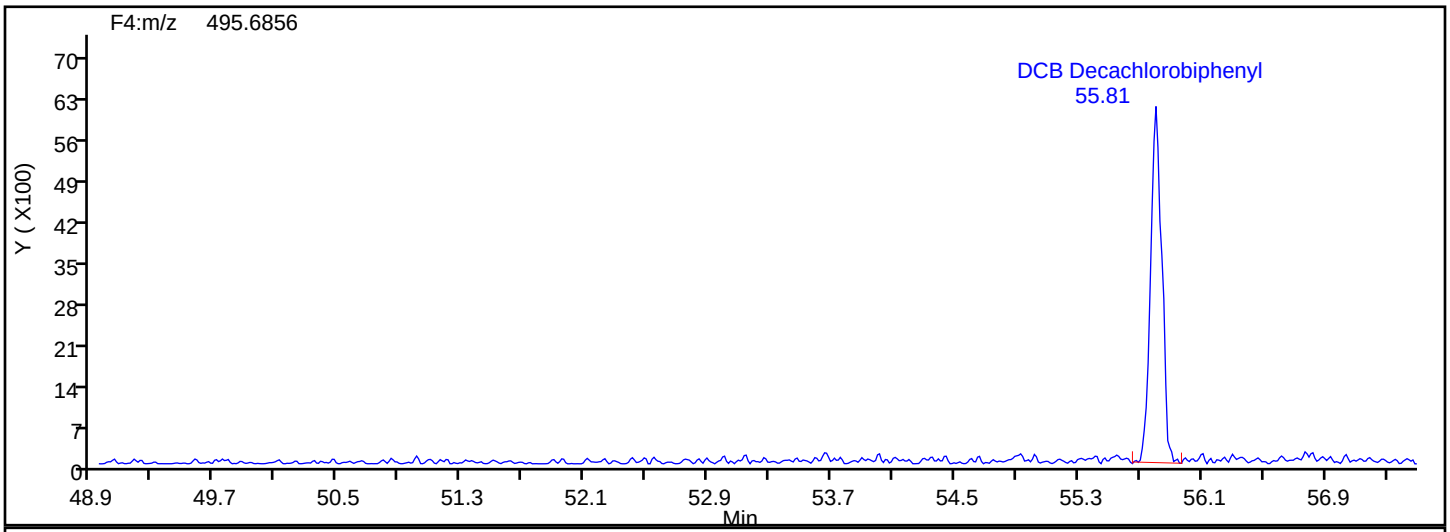

DePCB F4 Standards

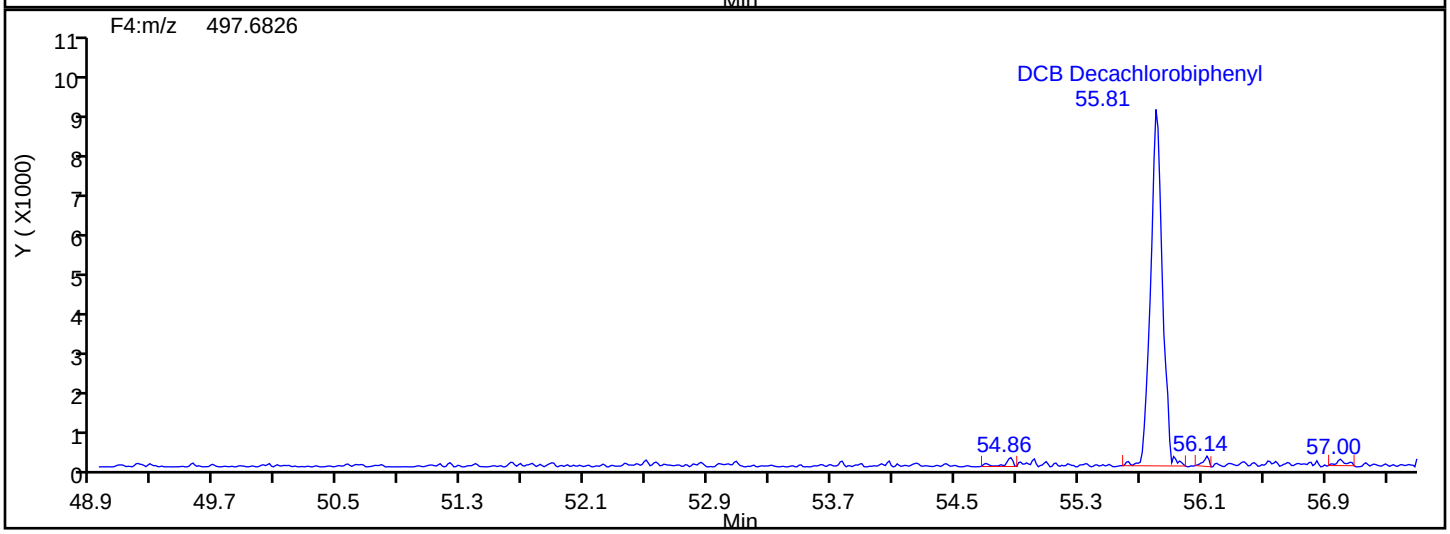


Eurofins TestAmerica, Knoxville

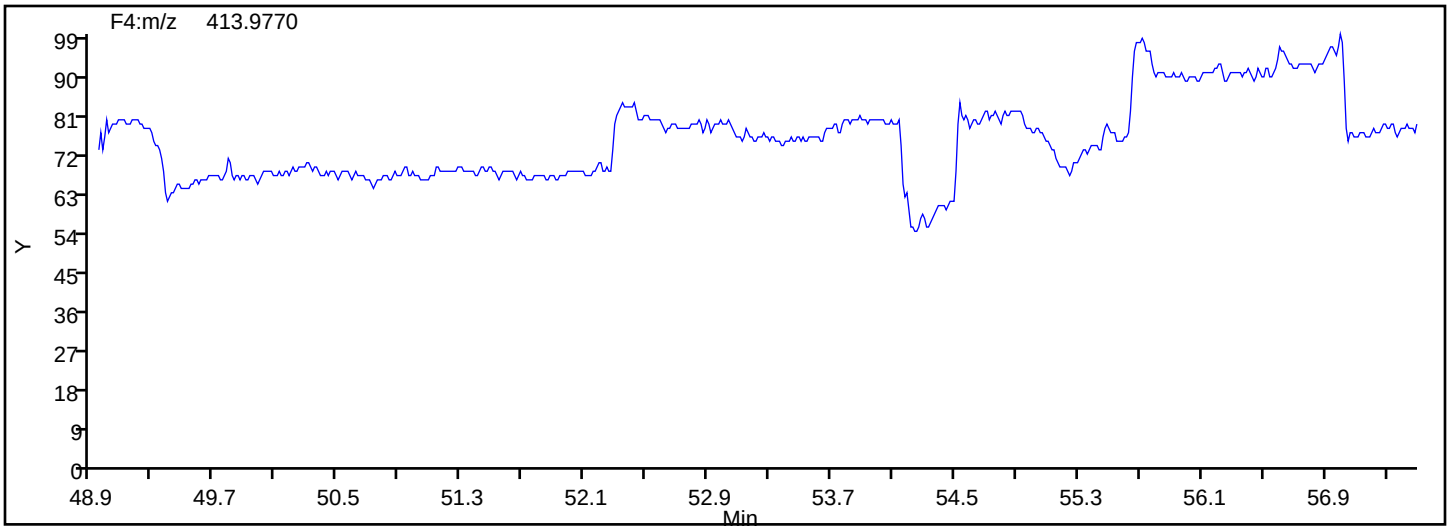
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-32-f.d | | |
| Injection Date: | 10-Oct-2019 07:11:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.0032 | J q | 0.049 | 0.00080 |
| 2051-61-8 | PCB-2 | ND | | 0.049 | 0.00091 |
| 2051-62-9 | PCB-3 | ND | | 0.049 | 0.0011 |
| 13029-08-8 | PCB-4 | ND | | 0.098 | 0.0029 |
| 16605-91-7 | PCB-5 | ND | | 0.049 | 0.0014 |
| 25569-80-6 | PCB-6 | ND | | 0.049 | 0.0014 |
| 33284-50-3 | PCB-7 | ND | | 0.049 | 0.0013 |
| 34883-43-7 | PCB-8 | 0.0029 | J q | 0.098 | 0.0014 |
| 34883-39-1 | PCB-9 | ND | | 0.049 | 0.0015 |
| 33146-45-1 | PCB-10 | ND | | 0.049 | 0.0015 |
| 2050-67-1 | PCB-11 | 0.0063 | J B | 0.098 | 0.0013 |
| 2974-92-7 | PCB-12 | ND | C | 0.098 | 0.0013 |
| 2974-90-5 | PCB-13 | ND | C12 | 0.098 | 0.0013 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0012 |
| 2050-68-2 | PCB-15 | ND | | 0.049 | 0.0011 |
| 38444-78-9 | PCB-16 | 0.0079 | J | 0.049 | 0.0010 |
| 37680-66-3 | PCB-17 | 0.0032 | J q | 0.049 | 0.00080 |
| 37680-65-2 | PCB-18 | 0.0062 | J q C | 0.098 | 0.00068 |
| 38444-73-4 | PCB-19 | ND | | 0.049 | 0.00095 |
| 38444-84-7 | PCB-20 | 0.012 | J C | 0.098 | 0.0010 |
| 55702-46-0 | PCB-21 | 0.0045 | J q C | 0.098 | 0.00097 |
| 38444-85-8 | PCB-22 | 0.0025 | J | 0.049 | 0.0011 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.0011 |
| 55702-45-9 | PCB-24 | ND | | 0.049 | 0.00059 |
| 55712-37-3 | PCB-25 | 0.0033 | J | 0.049 | 0.00099 |
| 38444-81-4 | PCB-26 | 0.0020 | J q C | 0.098 | 0.0010 |
| 38444-76-7 | PCB-27 | ND | | 0.049 | 0.00057 |
| 7012-37-5 | PCB-28 | 0.012 | J C20 | 0.098 | 0.0010 |
| 15862-07-4 | PCB-29 | 0.0020 | J q C26 | 0.098 | 0.0010 |
| 35693-92-6 | PCB-30 | 0.0062 | J q C18 | 0.098 | 0.00068 |
| 16606-02-3 | PCB-31 | 0.0082 | J | 0.098 | 0.00096 |
| 38444-77-8 | PCB-32 | 0.0031 | J q | 0.049 | 0.00053 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38444-86-9 | PCB-33 | 0.0045 | J q C21 | 0.098 | 0.00097 |
| 37680-68-5 | PCB-34 | ND | | 0.049 | 0.0011 |
| 37680-69-6 | PCB-35 | ND | | 0.049 | 0.0011 |
| 38444-87-0 | PCB-36 | ND | | 0.049 | 0.00099 |
| 38444-90-5 | PCB-37 | 0.0021 | J q | 0.049 | 0.0010 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.0010 |
| 38444-88-1 | PCB-39 | ND | | 0.049 | 0.00095 |
| 38444-93-8 | PCB-40 | 0.014 | J C | 0.15 | 0.0019 |
| 52663-59-9 | PCB-41 | 0.014 | J C40 | 0.15 | 0.0019 |
| 36559-22-5 | PCB-42 | 0.0072 | J q | 0.049 | 0.0020 |
| 70362-46-8 | PCB-43 | ND | C | 0.098 | 0.0018 |
| 41464-39-5 | PCB-44 | 0.045 | J C B | 0.15 | 0.0017 |
| 70362-45-7 | PCB-45 | ND | C | 0.098 | 0.0020 |
| 41464-47-5 | PCB-46 | ND | | 0.049 | 0.0023 |
| 2437-79-8 | PCB-47 | 0.045 | J C44 B | 0.15 | 0.0017 |
| 70362-47-9 | PCB-48 | ND | | 0.049 | 0.0019 |
| 41464-40-8 | PCB-49 | 0.045 | J C B | 0.098 | 0.0015 |
| 62796-65-0 | PCB-50 | ND | C | 0.098 | 0.0019 |
| 68194-04-7 | PCB-51 | ND | C45 | 0.098 | 0.0020 |
| 35693-99-3 | PCB-52 | 0.066 | B | 0.049 | 0.0020 |
| 41464-41-9 | PCB-53 | ND | C50 | 0.098 | 0.0019 |
| 15968-05-5 | PCB-54 | ND | | 0.049 | 0.00071 |
| 74338-24-2 | PCB-55 | ND | | 0.049 | 0.0014 |
| 41464-43-1 | PCB-56 | 0.0086 | J | 0.049 | 0.0014 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.0014 |
| 41464-49-7 | PCB-58 | ND | | 0.049 | 0.0013 |
| 74472-33-6 | PCB-59 | ND | C | 0.15 | 0.0013 |
| 33025-41-1 | PCB-60 | ND | | 0.049 | 0.0013 |
| 33284-53-6 | PCB-61 | 0.053 | J C B | 0.20 | 0.0013 |
| 54230-22-7 | PCB-62 | ND | C59 | 0.15 | 0.0013 |
| 74472-34-7 | PCB-63 | ND | | 0.049 | 0.0012 |
| 52663-58-8 | PCB-64 | 0.0081 | J | 0.049 | 0.0012 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *33284-54-7* | *PCB-65* | *0.045* | *J C44 B* | *0.15* | *0.0017* |
| *32598-10-0* | *PCB-66* | *0.029* | *J* | *0.049* | *0.0014* |
| *73575-53-8* | *PCB-67* | *ND* | | *0.049* | *0.0013* |
| *73575-52-7* | *PCB-68* | *0.0037* | *J q* | *0.049* | *0.0012* |
| *60233-24-1* | *PCB-69* | *0.045* | *J C49 B* | *0.098* | *0.0015* |
| *32598-11-1* | *PCB-70* | *0.053* | *J C61 B* | *0.20* | *0.0013* |
| *41464-46-4* | *PCB-71* | *0.014* | *J C40* | *0.15* | *0.0019* |
| *41464-42-0* | *PCB-72* | *0.0055* | *J* | *0.049* | *0.0013* |
| *74338-23-1* | *PCB-73* | *ND* | *C43* | *0.098* | *0.0018* |
| *32690-93-0* | *PCB-74* | *0.053* | *J C61 B* | *0.20* | *0.0013* |
| *32598-12-2* | *PCB-75* | *ND* | *C59* | *0.15* | *0.0013* |
| *70362-48-0* | *PCB-76* | *0.053* | *J C61 B* | *0.20* | *0.0013* |
| *32598-13-3* | *PCB-77* | *ND* | | *0.049* | *0.0013* |
| *70362-49-1* | *PCB-78* | *ND* | | *0.049* | *0.0013* |
| *41464-48-6* | *PCB-79* | *ND* | | *0.049* | *0.0011* |
| *33284-52-5* | *PCB-80* | *ND* | | *0.049* | *0.0012* |
| *70362-50-4* | *PCB-81* | *ND* | | *0.049* | *0.0013* |
| *52663-62-4* | *PCB-82* | *ND* | | *0.049* | *0.0025* |
| *60145-20-2* | *PCB-83* | *0.10* | *C* | *0.098* | *0.0023* |
| *52663-60-2* | *PCB-84* | *0.022* | *J B* | *0.049* | *0.0025* |
| *65510-45-4* | *PCB-85* | *0.0092* | *J C B* | *0.15* | *0.0018* |
| *55312-69-1* | *PCB-86* | *0.052* | *J C* | *0.29* | *0.0018* |
| *38380-02-8* | *PCB-87* | *0.052* | *J C86* | *0.29* | *0.0018* |
| *55215-17-3* | *PCB-88* | *0.027* | *J C* | *0.098* | *0.0022* |
| *73575-57-2* | *PCB-89* | *ND* | | *0.049* | *0.0024* |
| *68194-07-0* | *PCB-90* | *0.13* | *J C B* | *0.15* | *0.0019* |
| *68194-05-8* | *PCB-91* | *0.027* | *J C88* | *0.098* | *0.0022* |
| *52663-61-3* | *PCB-92* | *0.037* | *J* | *0.049* | *0.0023* |
| *73575-56-1* | *PCB-93* | *0.0057* | *J q C* | *0.098* | *0.0022* |
| *73575-55-0* | *PCB-94* | *ND* | | *0.049* | *0.0024* |
| *38379-99-6* | *PCB-95* | *0.10* | | *0.049* | *0.0023* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 73575-54-9 | PCB-96 | ND | | 0.049 | 0.0018 |
| 41464-51-1 | PCB-97 | 0.052 | J C86 | 0.29 | 0.0018 |
| 60233-25-2 | PCB-98 | ND | C | 0.098 | 0.0022 |
| 38380-01-7 | PCB-99 | 0.10 | C83 | 0.098 | 0.0023 |
| 39485-83-1 | PCB-100 | 0.0057 | J q C93 | 0.098 | 0.0022 |
| 37680-73-2 | PCB-101 | 0.13 | J C90 B | 0.15 | 0.0019 |
| 68194-06-9 | PCB-102 | ND | C98 | 0.098 | 0.0022 |
| 60145-21-3 | PCB-103 | 0.0080 | J | 0.049 | 0.0021 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0016 |
| 32598-14-4 | PCB-105 | 0.016 | J | 0.049 | 0.0015 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.0015 |
| 70424-68-9 | PCB-107 | 0.0094 | J | 0.049 | 0.0014 |
| 70362-41-3 | PCB-108 | ND | C | 0.098 | 0.0015 |
| 74472-35-8 | PCB-109 | 0.052 | J C86 | 0.29 | 0.0018 |
| 38380-03-9 | PCB-110 | 0.11 | C | 0.098 | 0.0016 |
| 39635-32-0 | PCB-111 | ND | | 0.049 | 0.0015 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0016 |
| 68194-10-5 | PCB-113 | 0.13 | J C90 B | 0.15 | 0.0019 |
| 74472-37-0 | PCB-114 | ND | | 0.049 | 0.0014 |
| 74472-38-1 | PCB-115 | 0.11 | C110 | 0.098 | 0.0016 |
| 18259-05-7 | PCB-116 | 0.0092 | J C85 B | 0.15 | 0.0018 |
| 68194-11-6 | PCB-117 | 0.0092 | J C85 B | 0.15 | 0.0018 |
| 31508-00-6 | PCB-118 | 0.067 | B | 0.049 | 0.0014 |
| 56558-17-9 | PCB-119 | 0.052 | J C86 | 0.29 | 0.0018 |
| 68194-12-7 | PCB-120 | 0.0035 | J q | 0.049 | 0.0015 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0016 |
| 76842-07-4 | PCB-122 | ND | | 0.049 | 0.0017 |
| 65510-44-3 | PCB-123 | ND | | 0.049 | 0.0014 |
| 70424-70-3 | PCB-124 | ND | C108 | 0.098 | 0.0015 |
| 74472-39-2 | PCB-125 | 0.052 | J C86 | 0.29 | 0.0018 |
| 57465-28-8 | PCB-126 | ND | | 0.049 | 0.0015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 39635-33-1 | PCB-127 | ND | | 0.049 | 0.0015 |
| 38380-07-3 | PCB-128 | 0.015 | J q C B | 0.098 | 0.0018 |
| 55215-18-4 | PCB-129 | 0.13 | J C B | 0.20 | 0.0019 |
| 52663-66-8 | PCB-130 | 0.0090 | J | 0.049 | 0.0025 |
| 61798-70-7 | PCB-131 | ND | | 0.049 | 0.0024 |
| 38380-05-1 | PCB-132 | 0.044 | J | 0.049 | 0.0023 |
| 35694-04-3 | PCB-133 | 0.0083 | J | 0.049 | 0.0023 |
| 52704-70-8 | PCB-134 | 0.0074 | J q C | 0.098 | 0.0024 |
| 52744-13-5 | PCB-135 | 0.078 | J C B | 0.098 | 0.00081 |
| 38411-22-2 | PCB-136 | 0.032 | J B | 0.049 | 0.00061 |
| 35694-06-5 | PCB-137 | 0.0028 | J q | 0.049 | 0.0019 |
| 35065-28-2 | PCB-138 | 0.13 | J C129 B | 0.20 | 0.0019 |
| 56030-56-9 | PCB-139 | 0.0042 | J q C | 0.098 | 0.0021 |
| 59291-64-4 | PCB-140 | 0.0042 | J q C139 | 0.098 | 0.0021 |
| 52712-04-6 | PCB-141 | 0.022 | J | 0.049 | 0.0021 |
| 41411-61-4 | PCB-142 | ND | | 0.049 | 0.0024 |
| 68194-15-0 | PCB-143 | 0.0074 | J q C134 | 0.098 | 0.0024 |
| 68194-14-9 | PCB-144 | 0.0069 | J q | 0.049 | 0.00077 |
| 74472-40-5 | PCB-145 | ND | | 0.049 | 0.00059 |
| 51908-16-8 | PCB-146 | 0.059 | B | 0.049 | 0.0020 |
| 68194-13-8 | PCB-147 | 0.17 | C B | 0.098 | 0.0021 |
| 74472-41-6 | PCB-148 | ND | | 0.049 | 0.00079 |
| 38380-04-0 | PCB-149 | 0.17 | C147 B | 0.098 | 0.0021 |
| 68194-08-1 | PCB-150 | 0.0032 | J | 0.049 | 0.00057 |
| 52663-63-5 | PCB-151 | 0.078 | J C135 B | 0.098 | 0.00081 |
| 68194-09-2 | PCB-152 | ND | | 0.049 | 0.00056 |
| 35065-27-1 | PCB-153 | 0.16 | C B | 0.098 | 0.0017 |
| 60145-22-4 | PCB-154 | 0.015 | J q | 0.049 | 0.00069 |
| 33979-03-2 | PCB-155 | ND | | 0.049 | 0.00054 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *38380-08-4* | *PCB-156* | *0.012* | *J q C* | *0.098* | *0.0019* |
| *69782-90-7* | *PCB-157* | *0.012* | *J q C156* | *0.098* | *0.0019* |
| *74472-42-7* | *PCB-158* | *0.012* | *J* | *0.049* | *0.0015* |
| *39635-35-3* | *PCB-159* | *0.0030* | *J* | *0.049* | *0.0016* |
| *41411-62-5* | *PCB-160* | *0.13* | *J C129 B* | *0.20* | *0.0019* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.049* | *0.0015* |
| *39635-34-2* | *PCB-162* | *ND* | | *0.049* | *0.0015* |
| *74472-44-9* | *PCB-163* | *0.13* | *J C129 B* | *0.20* | *0.0019* |
| *74472-45-0* | *PCB-164* | *0.010* | *J* | *0.049* | *0.0016* |
| *74472-46-1* | *PCB-165* | *ND* | | *0.049* | *0.0018* |
| *41411-63-6* | *PCB-166* | *0.015* | *J q C128 B* | *0.098* | *0.0018* |
| *52663-72-6* | *PCB-167* | *0.0044* | *J q* | *0.049* | *0.0013* |
| *59291-65-5* | *PCB-168* | *0.16* | *C153 B* | *0.098* | *0.0017* |
| *32774-16-6* | *PCB-169* | *ND* | | *0.049* | *0.0014* |
| *35065-30-6* | *PCB-170* | *0.052* | *B* | *0.049* | *0.0016* |
| *52663-71-5* | *PCB-171* | *0.019* | *J q C* | *0.098* | *0.0016* |
| *52663-74-8* | *PCB-172* | *0.010* | *J q* | *0.049* | *0.0015* |
| *68194-16-1* | *PCB-173* | *0.019* | *J q C171* | *0.098* | *0.0016* |
| *38411-25-5* | *PCB-174* | *0.060* | *B* | *0.049* | *0.0016* |
| *40186-70-7* | *PCB-175* | *ND* | | *0.049* | *0.0014* |
| *52663-65-7* | *PCB-176* | *0.0070* | *J q* | *0.049* | *0.0010* |
| *52663-70-4* | *PCB-177* | *0.043* | *J B* | *0.049* | *0.0016* |
| *52663-67-9* | *PCB-178* | *0.018* | *J* | *0.049* | *0.0015* |
| *52663-64-6* | *PCB-179* | *0.029* | *J* | *0.049* | *0.0011* |
| *35065-29-3* | *PCB-180* | *0.12* | *C B* | *0.098* | *0.0012* |
| *74472-47-2* | *PCB-181* | *0.0030* | *J q* | *0.049* | *0.0014* |
| *60145-23-5* | *PCB-182* | *ND* | | *0.049* | *0.0013* |
| *52663-69-1* | *PCB-183* | *0.038* | *J C B* | *0.098* | *0.0013* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *74472-48-3* | *PCB-184* | *ND* | | *0.049* | *0.0011* |
| *52712-05-7* | *PCB-185* | *0.038* | *J C183 B* | *0.098* | *0.0013* |
| *74472-49-4* | *PCB-186* | *ND* | | *0.049* | *0.0011* |
| *52663-68-0* | *PCB-187* | *0.087* | *B* | *0.049* | *0.0014* |
| *74487-85-7* | *PCB-188* | *ND* | | *0.049* | *0.00097* |
| *39635-31-9* | *PCB-189* | *ND* | | *0.049* | *0.0012* |
| *41411-64-7* | *PCB-190* | *0.012* | *J q B* | *0.049* | *0.0011* |
| *74472-50-7* | *PCB-191* | *ND* | | *0.049* | *0.0011* |
| *74472-51-8* | *PCB-192* | *ND* | | *0.049* | *0.0012* |
| *69782-91-8* | *PCB-193* | *0.12* | *C180 B* | *0.098* | *0.0012* |
| *35694-08-7* | *PCB-194* | *0.025* | *J* | *0.049* | *0.0024* |
| *52663-78-2* | *PCB-195* | *0.0073* | *J q* | *0.049* | *0.0029* |
| *42740-50-1* | *PCB-196* | *0.017* | *J q* | *0.049* | *0.0014* |
| *33091-17-7* | *PCB-197* | *ND* | | *0.049* | *0.0010* |
| *68194-17-2* | *PCB-198* | *0.033* | *J q C B* | *0.098* | *0.0015* |
| *52663-75-9* | *PCB-199* | *0.033* | *J q C198 B* | *0.098* | *0.0015* |
| *52663-73-7* | *PCB-200* | *0.0059* | *J q* | *0.049* | *0.0011* |
| *40186-71-8* | *PCB-201* | *ND* | | *0.049* | *0.0010* |
| *2136-99-4* | *PCB-202* | *0.0075* | *J* | *0.049* | *0.0011* |
| *52663-76-0* | *PCB-203* | *0.020* | *J q* | *0.049* | *0.0013* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.049* | *0.0011* |
| *74472-53-0* | *PCB-205* | *ND* | | *0.049* | *0.0018* |
| *40186-72-9* | *PCB-206* | *0.22* | *q* | *0.049* | *0.0058* |
| *52663-79-3* | *PCB-207* | *ND* | | *0.049* | *0.0042* |
| *52663-77-1* | *PCB-208* | *ND* | | *0.049* | *0.0045* |
| *2051-24-3* | *PCB-209* | *0.028* | *J* | *0.049* | *0.00044* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *0.0032* | *J* | *0.049* | *0.00092* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *0.0092* | *J B* | *0.098* | *0.0015* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *0.055* | *J* | *0.098* | *0.00092* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *0.29* | *q B* | *0.20* | *0.0015* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *25429-29-2* | *Total Pentachlorobiphenyls* | *0.70* | *q B* | *0.29* | *0.0018* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *0.81* | *q B* | *0.20* | *0.0016* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *0.50* | *q B* | *0.098* | *0.0013* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *0.12* | *B* | *0.098* | *0.0015* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *0.22* | *q* | *0.049* | *0.0048* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *2.7* | *q B* | *0.29* | *0.0017* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-80to90-82719  Lab Sample ID: 580-88908-32

Matrix: Solid  Lab File ID: 580-88908-a-32-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:25

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.52(g)  Date Analyzed: 10/03/2019 20:51

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.9  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 63 | | 30-140 |
| 208263-77-8 | PCB-3L | 64 | | 30-140 |
| 234432-86-1 | PCB-4L | 69 | | 30-140 |
| 208263-67-6 | PCB-15L | 83 | | 30-140 |
| 234432-87-2 | PCB-19L | 72 | | 30-140 |
| 208263-79-0 | PCB-37L | 88 | | 30-140 |
| 234432-88-3 | PCB-54L | 70 | | 30-140 |
| 105600-23-5 | PCB-77L | 87 | | 30-140 |
| 208461-24-9 | PCB-81L | 87 | | 30-140 |
| 234432-89-4 | PCB-104L | 91 | | 30-140 |
| 208263-62-1 | PCB-105L | 81 | | 30-140 |
| 208263-63-2 | PCB-114L | 81 | | 30-140 |
| 104130-40-7 | PCB-118L | 79 | | 30-140 |
| 208263-64-3 | PCB-123L | 79 | | 30-140 |
| 208263-65-4 | PCB-126L | 88 | | 30-140 |
| 234432-90-7 | PCB-155L | 102 | | 30-140 |
| 208263-68-7 | PCB-156L | 86 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 86 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 84 | | 30-140 |
| 208263-70-1 | PCB-169L | 99 | | 30-140 |
| 160901-80-4 | PCB-170L | 78 | | 30-140 |
| 234432-91-8 | PCB-188L | 76 | | 30-140 |
| 208263-73-4 | PCB-189L | 85 | | 30-140 |
| 105600-26-8 | PCB-202L | 89 | | 30-140 |
| 234446-64-1 | PCB-205L | 81 | | 30-140 |
| 208263-75-6 | PCB-206L | 79 | | 30-140 |
| 234432-92-9 | PCB-208L | 86 | | 30-140 |
| 105600-27-9 | PCB-209L | 78 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 80 | | 40-125 |
| 235416-29-2 | PCB-111L | 91 | | 40-125 |
| 232919-67-4 | PCB-178L | 84 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d
Lims ID: 580-88908-A-32-C
Client ID: J5-SC1b-80to90-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 20:51:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-013
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 00:45:20 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 00:45:20

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 0.1301 | 0.0660 | 0.0188 | 0.0188 | | RQ |
| D PCB-1L | 12:01 | 494509 | 2.80 | 1.3140 | 12.7 | 12.7 | 0.2935 | 0.2935 | 63.48 | Ma |
| D PCB-3L | 14:05 | 515137 | 3.10 | 1.3615 | 12.8 | 12.8 | 0.2833 | 0.2833 | 63.83 | Ma |
| PCB-1 | 12:01 | 1939 | 3.13 | 1.1883 | 0.1301 | 0.0660 | 0.0163 | 0.0163 | | RQ |
| PCB-2 | 13:44 | | | | | | 0.0186 | 0.0186 | | |
| PCB-3 | 13:55 | | | | | | 0.0214 | 0.0214 | | |
| S Total Dichlorobiphenyls | | | | | 0.1983 | 0.1865 | 0.0300 | 0.0300 | | RQ |
| D PCB-4L | 14:19 | 246615 | 1.56 | 0.5996 | 13.9 | 13.9 | 0.4358 | 0.4358 | 69.39 | Ma |
| * PCB-9L | 16:13 | 592789 | 1.61 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:04 | 505813 | 1.71 | 1.0280 | 16.6 | 16.6 | 0.2542 | 0.2542 | 83.00 | |
| PCB-4 | 14:10 | | | | | | 0.0588 | 0.0588 | | |
| PCB-10 | 14:21 | | | | | | 0.0296 | 0.0296 | | |
| PCB-9 | 16:08 | | | | | | 0.0309 | 0.0309 | | |
| PCB-7 | 16:18 | | | | | | 0.0270 | 0.0270 | | |
| PCB-6 | 16:32 | | | | | | 0.0283 | 0.0283 | | |
| PCB-5 | 17:03 | | | | | | 0.0281 | 0.0281 | | RQU |
| PCB-8 | 17:03 | 1759 | 1.56 | 1.5884 | 0.0707 | 0.0589 | 0.0276 | 0.0276 | | RQMa |
| PCB-14 | 18:35 | | | | | | 0.0234 | 0.0234 | | |
| PCB-11 | 19:29 | 3924 | 1.48 | 1.6347 | 0.1276 | 0.1276 | 0.0269 | 0.0269 | | Ma |
| PCB-12 | 19:45 | | | | | | 0.0268 | 0.0268 | | |
| PCB-13 (C12) | 19:45 | | | | | | 0.0268 | 0.0268 | | |
| PCB-15 | 20:02 | | | | | | 0.0223 | 0.0223 | | |
| S Total Trichlorobiphenyl | | | | | 1.232 | 1.122 | 0.0187 | 0.0187 | | RQ |
| D PCB-19L | 17:20 | 188606 | 0.99 | 0.6095 | 14.4 | 14.4 | 0.5290 | 0.5290 | 72.10 | |
| * PCB-32L | 20:32 | 429211 | 1.05 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:47 | 854580 | 1.12 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:04 | 752033 | 1.11 | 1.0975 | 16.0 | 16.0 | 0.1282 | 0.1282 | 80.18 | |
| D PCB-37L | 27:02 | 679088 | 1.09 | 0.9024 | 17.6 | 17.6 | 0.1559 | 0.1559 | 88.06 | |
| PCB-19 | 17:16 | | | | | | 0.0194 | 0.0194 | | |
| PCB-18 | 19:11 | 2167 | 1.04 | 1.8188 | 0.1676 | 0.1263 | 0.0139 | 0.0139 | | RQMa |
| PCB-30 (C18) | 19:11 | 2167 | 1.04 | 1.8188 | 0.1676 | 0.1263 | 0.0139 | 0.0139 | | RQMa |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 972 | 1.04 | 1.5641 | 0.0895 | 0.0659 | 0.0162 | 0.0162 | | RQa |
| PCB-27 | 19:45 | | | | | | 0.0117 | 0.0117 | | |
| PCB-24 | 19:53 | | | | | | 0.0121 | 0.0121 | | |
| PCB-16 | 20:02 | 1849 | 0.89 | 1.2260 | 0.1599 | 0.1599 | 0.0207 | 0.0207 | | a |
| PCB-32 | 20:34 | 1391 | 1.04 | 2.3416 | 0.0691 | 0.0630 | 0.0108 | 0.0108 | | RQa |
| PCB-34 | 21:47 | | | | | | 0.0223 | 0.0223 | | |
| PCB-23 | 21:56 | | | | | | 0.0214 | 0.0214 | | |
| PCB-26 | 22:15 | 1850 | 1.04 | 1.3193 | 0.0583 | 0.0413 | 0.0206 | 0.0206 | | RQa |
| PCB-29 (C26) | 22:15 | 1850 | 1.04 | 1.3193 | 0.0583 | 0.0413 | 0.0206 | 0.0206 | | RQa |
| PCB-25 | 22:29 | 3072 | 1.02 | 1.3523 | 0.0669 | 0.0669 | 0.0201 | 0.0201 | | |
| PCB-31 | 22:48 | 7780 | 1.13 | 1.3809 | 0.1659 | 0.1659 | 0.0196 | 0.0196 | | |
| PCB-20 | 23:05 | 10984 | 1.04 | 1.3057 | 0.2478 | 0.2478 | 0.0208 | 0.0208 | | |
| PCB-28 (C20) | 23:05 | 10984 | 1.04 | 1.3057 | 0.2478 | 0.2478 | 0.0208 | 0.0208 | | |
| PCB-21 | 23:20 | 4255 | 1.04 | 1.3777 | 0.1086 | 0.0910 | 0.0197 | 0.0197 | | RQ |
| PCB-33 (C21) | 23:20 | 4255 | 1.04 | 1.3777 | 0.1086 | 0.0910 | 0.0197 | 0.0197 | | RQ |
| PCB-22 | 23:42 | 2151 | 0.94 | 1.2430 | 0.0510 | 0.0510 | 0.0218 | 0.0218 | | |
| PCB-36 | 25:15 | | | | | | 0.0201 | 0.0201 | | |
| PCB-39 | 25:36 | | | | | | 0.0194 | 0.0194 | | |
| PCB-38 | 26:11 | | | | | | 0.0206 | 0.0206 | | |
| PCB-35 | 26:39 | | | | | | 0.0223 | 0.0223 | | |
| PCB-37 | 27:03 | 1903 | 1.04 | 1.2879 | 0.0474 | 0.0435 | 0.0211 | 0.0211 | | RQ |
| S Total Tetrachlorobiphen | | | | | 5.842 | 5.802 | 0.0301 | 0.0301 | | RQ |
| D PCB-54L | 20:22 | 195945 | 0.86 | 0.6515 | 14.0 | 14.0 | 0.0661 | 0.0661 | 70.08 | |
| * PCB-52L | 24:53 | 495128 | 0.80 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:46 | 530251 | 0.78 | 1.2328 | 17.4 | 17.4 | 0.0623 | 0.0623 | 86.87 | |
| D PCB-77L | 34:21 | 540281 | 0.82 | 1.2523 | 17.4 | 17.4 | 0.0613 | 0.0613 | 87.14 | |
| PCB-54 | 20:21 | | | | | | 0.0144 | 0.0144 | | |
| PCB-50 | 22:31 | | | | | | 0.0382 | 0.0382 | | |
| PCB-53 (C50) | 22:31 | | | | | | 0.0382 | 0.0382 | | |
| PCB-45 | 23:15 | | | | | | 0.0404 | 0.0404 | | |
| PCB-51 (C45) | 23:15 | | | | | | 0.0404 | 0.0404 | | |
| PCB-46 | 23:29 | | | | | | 0.0471 | 0.0471 | | |
| PCB-52 | 24:54 | 32399 | 0.80 | 0.8992 | 1.346 | 1.346 | 0.0397 | 0.0397 | | |
| PCB-43 | 25:03 | | | | | | 0.0357 | 0.0357 | | |
| PCB-73 (C43) | 25:03 | | | | | | 0.0357 | 0.0357 | | |
| PCB-49 | 25:24 | 27684 | 0.86 | 1.1366 | 0.9101 | 0.9101 | 0.0314 | 0.0314 | | |
| PCB-69 (C49) | 25:24 | 27684 | 0.86 | 1.1366 | 0.9101 | 0.9101 | 0.0314 | 0.0314 | | |
| PCB-48 | 25:40 | | | | | | 0.0378 | 0.0378 | | |
| PCB-44 | 25:55 | 25359 | 0.77 | 1.0323 | 0.9179 | 0.9179 | 0.0346 | 0.0346 | | |
| PCB-47 (C44) | 25:55 | 25359 | 0.77 | 1.0323 | 0.9179 | 0.9179 | 0.0346 | 0.0346 | | |
| PCB-65 (C44) | 25:55 | 25359 | 0.77 | 1.0323 | 0.9179 | 0.9179 | 0.0346 | 0.0346 | | |
| PCB-59 | 26:12 | | | | | | 0.0262 | 0.0262 | | |
| PCB-62 (C59) | 26:12 | | | | | | 0.0262 | 0.0262 | | |
| PCB-75 (C59) | 26:12 | | | | | | 0.0262 | 0.0262 | | |
| PCB-42 | 26:26 | 3412 | 0.77 | 0.8670 | 0.1647 | 0.1470 | 0.0412 | 0.0412 | | RQMa |
| PCB-40 | 26:56 | 6914 | 0.68 | 0.9179 | 0.2814 | 0.2814 | 0.0389 | 0.0389 | | |
| PCB-41 (C40) | 26:56 | 6914 | 0.68 | 0.9179 | 0.2814 | 0.2814 | 0.0389 | 0.0389 | | |
| PCB-71 (C40) | 26:56 | 6914 | 0.68 | 0.9179 | 0.2814 | 0.2814 | 0.0389 | 0.0389 | | |
| PCB-64 | 27:08 | 6263 | 0.73 | 1.4164 | 0.1652 | 0.1652 | 0.0252 | 0.0252 | | a |
| PCB-72 | 27:57 | 3970 | 0.86 | 1.3157 | 0.1127 | 0.1127 | 0.0272 | 0.0272 | | |
| PCB-68 | 28:16 | 2974 | 0.77 | 1.4782 | 0.0976 | 0.0752 | 0.0242 | 0.0242 | | RQMa |
| PCB-57 | 28:40 | | | | | | 0.0279 | 0.0279 | | |
| PCB-58 | 28:55 | | | | | | 0.0270 | 0.0270 | | |
| PCB-67 | 29:05 | | | | | | 0.0256 | 0.0256 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:21 | | | | | | 0.0243 | 0.0243 | | |
| PCB-61 | 29:40 | 39337 | 0.86 | 1.3565 | 1.084 | 1.084 | 0.0263 | 0.0263 | | |
| PCB-70 (C61) | 29:40 | 39337 | 0.86 | 1.3565 | 1.084 | 1.084 | 0.0263 | 0.0263 | | |
| PCB-74 (C61) | 29:40 | 39337 | 0.86 | 1.3565 | 1.084 | 1.084 | 0.0263 | 0.0263 | | |
| PCB-76 (C61) | 29:40 | 39337 | 0.86 | 1.3565 | 1.084 | 1.084 | 0.0263 | 0.0263 | | |
| PCB-66 | 30:00 | 20154 | 0.85 | 1.2800 | 0.5883 | 0.5883 | 0.0279 | 0.0279 | | |
| PCB-55 | 30:10 | | | | | | 0.0276 | 0.0276 | | |
| PCB-56 | 30:39 | 5912 | 0.83 | 1.2671 | 0.1743 | 0.1743 | 0.0282 | 0.0282 | | |
| PCB-60 | 30:53 | | | | | | 0.0269 | 0.0269 | | |
| PCB-80 | 31:17 | | | | | | 0.0243 | 0.0243 | | |
| PCB-79 | 32:49 | | | | | | 0.0232 | 0.0232 | | |
| PCB-78 | 33:23 | | | | | | 0.0272 | 0.0272 | | |
| PCB-81 | 33:49 | | | | | | 0.0273 | 0.0273 | | |
| PCB-77 | 34:22 | | | | | | 0.0266 | 0.0266 | | |
| S Total Pentachlorobiphen | | | | | 14.4 | 14.4 | 0.0373 | 0.0373 | | RQ |
| D PCB-104L | 25:50 | 395744 | 1.56 | 1.1164 | 18.1 | 18.1 | 0.0592 | 0.0592 | 90.54 | |
| * PCB-101L | 31:43 | 391547 | 1.55 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:24 | 435735 | 1.61 | 1.2177 | 18.3 | 18.3 | 0.0542 | 0.0542 | 91.39 | |
| D PCB-123L | 36:21 | 503632 | 1.61 | 0.9909 | 15.8 | 15.8 | 0.3885 | 0.3885 | 78.76 | |
| D PCB-118L | 36:40 | 525796 | 1.67 | 1.0256 | 15.9 | 15.9 | 0.3754 | 0.3754 | 79.45 | |
| D PCB-114L | 37:12 | 521958 | 1.56 | 1.0030 | 16.1 | 16.1 | 0.3838 | 0.3838 | 80.65 | |
| D PCB-105L | 37:51 | 520974 | 1.60 | 1.0013 | 16.1 | 16.1 | 0.3845 | 0.3845 | 80.63 | |
| * PCB-127L | 39:19 | 645275 | 1.64 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:56 | 511346 | 1.72 | 0.9020 | 17.6 | 17.6 | 0.4268 | 0.4268 | 87.85 | |
| PCB-104 | 25:51 | | | | | | 0.0318 | 0.0318 | | |
| PCB-96 | 26:13 | | | | | | 0.0360 | 0.0360 | | |
| PCB-103 | 28:10 | 3323 | 1.49 | 1.0331 | 0.1626 | 0.1626 | 0.0428 | 0.0428 | | Ma |
| PCB-94 | 28:22 | | | | | | 0.0489 | 0.0489 | | |
| PCB-95 | 28:48 | 39329 | 1.67 | 0.9620 | 2.066 | 2.066 | 0.0460 | 0.0460 | | |
| PCB-93 | 29:01 | 2264 | 1.55 | 0.9806 | 0.1455 | 0.1167 | 0.0451 | 0.0451 | | RQ |
| PCB-100 (C93) | 29:01 | 2264 | 1.55 | 0.9806 | 0.1455 | 0.1167 | 0.0451 | 0.0451 | | RQ |
| PCB-98 | 29:11 | | | | | | 0.0447 | 0.0447 | | |
| PCB-102 (C98) | 29:11 | | | | | | 0.0447 | 0.0447 | | |
| PCB-88 | 29:41 | 10766 | 1.70 | 1.0052 | 0.5413 | 0.5413 | 0.0440 | 0.0440 | | |
| PCB-91 (C88) | 29:41 | 10766 | 1.70 | 1.0052 | 0.5413 | 0.5413 | 0.0440 | 0.0440 | | |
| PCB-84 | 29:53 | 7692 | 1.48 | 0.8601 | 0.4520 | 0.4520 | 0.0514 | 0.0514 | | |
| PCB-89 | 30:22 | | | | | | 0.0495 | 0.0495 | | |
| PCB-121 | 30:48 | | | | | | 0.0317 | 0.0317 | | |
| PCB-92 | 31:09 | 14272 | 1.50 | 0.9532 | 0.7567 | 0.7567 | 0.0464 | 0.0464 | | |
| PCB-90 | 31:44 | 60328 | 1.73 | 1.1367 | 2.682 | 2.682 | 0.0389 | 0.0389 | | |
| PCB-101 (C90) | 31:44 | 60328 | 1.73 | 1.1367 | 2.682 | 2.682 | 0.0389 | 0.0389 | | |
| PCB-113 (C90) | 31:44 | 60328 | 1.73 | 1.1367 | 2.682 | 2.682 | 0.0389 | 0.0389 | | |
| PCB-83 | 32:19 | 38789 | 1.57 | 0.9393 | 2.087 | 2.087 | 0.0471 | 0.0471 | | Ma |
| PCB-99 (C83) | 32:19 | 38789 | 1.57 | 0.9393 | 2.087 | 2.087 | 0.0471 | 0.0471 | | Ma |
| PCB-112 | 32:26 | | | | | | 0.0323 | 0.0323 | | |
| PCB-86 | 32:50 | 25119 | 1.57 | 1.1958 | 1.062 | 1.062 | 0.0370 | 0.0370 | | Ma |
| PCB-87 (C86) | 32:50 | 25119 | 1.57 | 1.1958 | 1.062 | 1.062 | 0.0370 | 0.0370 | | Ma |
| PCB-97 (C86) | 32:50 | 25119 | 1.57 | 1.1958 | 1.062 | 1.062 | 0.0370 | 0.0370 | | Ma |
| PCB-109 (C86) | 32:50 | 25119 | 1.57 | 1.1958 | 1.062 | 1.062 | 0.0370 | 0.0370 | | Ma |
| PCB-119 (C86) | 32:50 | 25119 | 1.57 | 1.1958 | 1.062 | 1.062 | 0.0370 | 0.0370 | | Ma |
| PCB-125 (C86) | 32:50 | 25119 | 1.57 | 1.1958 | 1.062 | 1.062 | 0.0370 | 0.0370 | | Ma |
| PCB-85 | 33:31 | 4472 | 1.47 | 1.2126 | 0.1864 | 0.1864 | 0.0365 | 0.0365 | | |
| PCB-116 (C85) | 33:31 | 4472 | 1.47 | 1.2126 | 0.1864 | 0.1864 | 0.0365 | 0.0365 | | |
| PCB-117 (C85) | 33:31 | 4472 | 1.47 | 1.2126 | 0.1864 | 0.1864 | 0.0365 | 0.0365 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:42 | 61342 | 1.60 | 1.3511 | 2.294 | 2.294 | 0.0327 | 0.0327 | | a |
| PCB-115 (C110) | 33:42 | 61342 | 1.60 | 1.3511 | 2.294 | 2.294 | 0.0327 | 0.0327 | | a |
| PCB-82 | 34:02 | | | | | | 0.0510 | 0.0510 | | |
| PCB-111 | 34:26 | | | | | | 0.0310 | 0.0310 | | |
| PCB-120 | 34:53 | 2101 | 1.55 | 1.4907 | 0.0966 | 0.0712 | 0.0297 | 0.0297 | | RQMa |
| PCB-108 | 36:02 | | | | | | 0.0312 | 0.0312 | | |
| PCB-124 (C108) | 36:02 | | | | | | 0.0312 | 0.0312 | | |
| PCB-107 | 36:15 | 6681 | 1.63 | 1.3580 | 0.1904 | 0.1904 | 0.0288 | 0.0288 | | Ma |
| PCB-123 | 36:23 | | | | | | 0.0290 | 0.0290 | | |
| PCB-106 | 36:30 | | | | | | 0.0307 | 0.0307 | | |
| PCB-118 | 36:43 | 46398 | 1.57 | 1.2892 | 1.369 | 1.369 | 0.0293 | 0.0293 | | |
| PCB-122 | 37:04 | | | | | | 0.0337 | 0.0337 | | |
| PCB-114 | 37:15 | | | | | | 0.0282 | 0.0282 | | |
| PCB-105 | 37:53 | 11103 | 1.58 | 1.2887 | 0.3307 | 0.3307 | 0.0306 | 0.0306 | | Ma |
| PCB-127 | 39:22 | | | | | | 0.0305 | 0.0305 | | |
| PCB-126 | 40:58 | | | | | | 0.0299 | 0.0299 | | |
| S Total Hexachlorobipheny | | | | | 16.5 | 16.3 | 0.0318 | 0.0318 | | RQ |
| D PCB-155L | 31:30 | 378008 | 1.34 | 0.9499 | 20.3 | 20.3 | 0.0631 | 0.0631 | 102 | |
| * PCB-138L | 39:48 | 480083 | 1.24 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:49 | 506834 | 1.37 | 1.2544 | 16.8 | 16.8 | 0.1493 | 0.1493 | 84.16 | |
| D PCB-156L | 43:57 | 1010468 | 1.29 | 1.2289 | 34.3 | 34.3 | 0.1524 | 0.1524 | 85.64 | |
| D PCB-157L (C156L) | 43:57 | 1010468 | 1.29 | 1.2289 | 34.3 | 34.3 | 0.1524 | 0.1524 | 85.64 | |
| D PCB-169L | 47:12 | 517475 | 1.23 | 1.0883 | 19.8 | 19.8 | 0.1721 | 0.1721 | 99.04 | |
| PCB-155 | 31:32 | | | | | | 0.0110 | 0.0110 | | |
| PCB-152 | 31:43 | | | | | | 0.0114 | 0.0114 | | |
| PCB-150 | 31:53 | 1504 | 1.36 | 1.2368 | 0.0643 | 0.0643 | 0.0116 | 0.0116 | | |
| PCB-136 | 32:13 | 14419 | 1.22 | 1.1563 | 0.6598 | 0.6598 | 0.0124 | 0.0124 | | |
| PCB-145 | 32:32 | | | | | | 0.0121 | 0.0121 | | |
| PCB-148 | 34:04 | | | | | | 0.0160 | 0.0160 | | |
| PCB-135 | 34:38 | 26173 | 1.22 | 0.8691 | 1.593 | 1.593 | 0.0165 | 0.0165 | | Ma |
| PCB-151 (C135) | 34:38 | 26173 | 1.22 | 0.8691 | 1.593 | 1.593 | 0.0165 | 0.0165 | | Ma |
| PCB-154 | 34:54 | 5761 | 1.24 | 1.0180 | 0.3332 | 0.2994 | 0.0141 | 0.0141 | | RQ |
| PCB-144 | 35:13 | 2425 | 1.24 | 0.9185 | 0.1734 | 0.1397 | 0.0156 | 0.0156 | | RQ |
| PCB-147 | 35:34 | 83285 | 1.26 | 0.9747 | 3.360 | 3.360 | 0.0428 | 0.0428 | | |
| PCB-149 (C147) | 35:34 | 83285 | 1.26 | 0.9747 | 3.360 | 3.360 | 0.0428 | 0.0428 | | |
| PCB-134 | 35:45 | 3250 | 1.24 | 0.8518 | 0.1841 | 0.1500 | 0.0490 | 0.0490 | | RQa |
| PCB-143 (C134) | 35:45 | 3250 | 1.24 | 0.8518 | 0.1841 | 0.1500 | 0.0490 | 0.0490 | | RQa |
| PCB-139 | 36:10 | 2156 | 1.24 | 0.9995 | 0.0982 | 0.0848 | 0.0418 | 0.0418 | | RQ |
| PCB-140 (C139) | 36:10 | 2156 | 1.24 | 0.9995 | 0.0982 | 0.0848 | 0.0418 | 0.0418 | | RQ |
| PCB-131 | 36:22 | | | | | | 0.0486 | 0.0486 | | |
| PCB-142 | 36:31 | | | | | | 0.0486 | 0.0486 | | |
| PCB-132 | 36:50 | 19879 | 1.16 | 0.8801 | 0.8881 | 0.8881 | 0.0474 | 0.0474 | | |
| PCB-133 | 37:18 | 3897 | 1.32 | 0.9064 | 0.1690 | 0.1690 | 0.0461 | 0.0461 | | |
| PCB-165 | 37:44 | | | | | | 0.0373 | 0.0373 | | |
| PCB-146 | 37:58 | 30754 | 1.19 | 1.0084 | 1.199 | 1.199 | 0.0414 | 0.0414 | | |
| PCB-161 | 38:07 | | | | | | 0.0312 | 0.0312 | | |
| PCB-153 | 38:35 | 100951 | 1.24 | 1.2207 | 3.252 | 3.252 | 0.0342 | 0.0342 | | |
| PCB-168 (C153) | 38:35 | 100951 | 1.24 | 1.2207 | 3.252 | 3.252 | 0.0342 | 0.0342 | | |
| PCB-141 | 38:47 | 11090 | 1.23 | 0.9608 | 0.4538 | 0.4538 | 0.0435 | 0.0435 | | |
| PCB-130 | 39:11 | 3863 | 1.42 | 0.8274 | 0.1836 | 0.1836 | 0.0505 | 0.0505 | | |
| PCB-137 | 39:23 | 1552 | 1.24 | 1.0582 | 0.0704 | 0.0577 | 0.0395 | 0.0395 | | RQ |
| PCB-164 | 39:31 | 6636 | 1.29 | 1.2527 | 0.2083 | 0.2083 | 0.0333 | 0.0333 | | |
| PCB-129 | 39:49 | 71165 | 1.33 | 1.0840 | 2.581 | 2.581 | 0.0385 | 0.0385 | | |
| PCB-138 (C129) | 39:49 | 71165 | 1.33 | 1.0840 | 2.581 | 2.581 | 0.0385 | 0.0385 | | |
| PCB-160 (C129) | 39:49 | 71165 | 1.33 | 1.0840 | 2.581 | 2.581 | 0.0385 | 0.0385 | | |
| PCB-163 (C129) | 39:49 | 71165 | 1.33 | 1.0840 | 2.581 | 2.581 | 0.0385 | 0.0385 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:12 | 8452 | 1.23 | 1.3862 | 0.2397 | 0.2397 | 0.0301 | 0.0301 | | |
| PCB-128 | 41:04 | 8778 | 1.24 | 1.1165 | 0.3517 | 0.3091 | 0.0374 | 0.0374 | | RQ |
| PCB-166 (C128) | 41:04 | 8778 | 1.24 | 1.1165 | 0.3517 | 0.3091 | 0.0374 | 0.0374 | | RQ |
| PCB-159 | 42:02 | 2020 | 1.38 | 1.3178 | 0.0603 | 0.0603 | 0.0317 | 0.0317 | | Ma |
| PCB-162 | 42:22 | | | | | | 0.0307 | 0.0307 | | |
| PCB-167 | 42:50 | 3019 | 1.24 | 1.3357 | 0.1012 | 0.0892 | 0.0269 | 0.0269 | | RQMa |
| PCB-156 | 43:58 | 7558 | 1.24 | 1.2759 | 0.2614 | 0.2345 | 0.0390 | 0.0390 | | RQ |
| PCB-157 (C156) | 43:58 | 7558 | 1.24 | 1.2759 | 0.2614 | 0.2345 | 0.0390 | 0.0390 | | RQ |
| PCB-169 | 47:13 | | | | | | 0.0280 | 0.0280 | | |
| S Total Heptachlorobiphen | | | | | 10.3 | 10.1 | 0.0265 | 0.0265 | | RQ |
| D PCB-188L | 37:12 | 431975 | 1.04 | 1.3162 | 15.2 | 15.2 | 0.0828 | 0.0828 | 75.83 | |
| $ PCB-178L | 40:16 | 334183 | 1.08 | 0.9222 | 16.7 | 16.7 | 0.1182 | 0.1182 | 83.72 | |
| * PCB-180L | 45:21 | 432839 | 1.10 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:36 | 282038 | 1.06 | 0.8357 | 15.6 | 15.6 | 0.1304 | 0.1304 | 77.97 | |
| D PCB-189L | 49:43 | 600063 | 1.12 | 1.4666 | 17.0 | 17.0 | 0.6193 | 0.6193 | 84.78 | |
| PCB-188 | 37:15 | | | | | | 0.0197 | 0.0197 | | |
| PCB-179 | 37:34 | 14772 | 1.14 | 1.4149 | 0.5849 | 0.5849 | 0.0219 | 0.0219 | | |
| PCB-184 | 38:07 | | | | | | 0.0219 | 0.0219 | | |
| PCB-176 | 38:27 | 3865 | 1.05 | 1.5212 | 0.1585 | 0.1423 | 0.0204 | 0.0204 | | RQ |
| PCB-186 | 38:55 | | | | | | 0.0216 | 0.0216 | | |
| PCB-178 | 40:17 | 6669 | 1.08 | 1.0228 | 0.3653 | 0.3653 | 0.0303 | 0.0303 | | |
| PCB-175 | 40:56 | | | | | | 0.0290 | 0.0290 | | |
| PCB-187 | 41:12 | 35258 | 1.09 | 1.1106 | 1.779 | 1.779 | 0.0279 | 0.0279 | | |
| PCB-182 | 41:25 | | | | | | 0.0270 | 0.0270 | | |
| PCB-183 | 41:48 | 15720 | 1.13 | 1.1368 | 0.7747 | 0.7747 | 0.0273 | 0.0273 | | |
| PCB-185 (C183) | 41:48 | 15720 | 1.13 | 1.1368 | 0.7747 | 0.7747 | 0.0273 | 0.0273 | | |
| PCB-174 | 42:02 | 20937 | 1.12 | 0.9547 | 1.229 | 1.229 | 0.0325 | 0.0325 | | |
| PCB-177 | 42:28 | 14728 | 0.94 | 0.9426 | 0.8754 | 0.8754 | 0.0329 | 0.0329 | | |
| PCB-181 | 42:52 | 1188 | 1.05 | 1.1075 | 0.0791 | 0.0601 | 0.0280 | 0.0280 | | RQ |
| PCB-171 | 43:06 | 6457 | 1.05 | 0.9603 | 0.4313 | 0.3767 | 0.0323 | 0.0323 | | RQ |
| PCB-173 (C171) | 43:06 | 6457 | 1.05 | 0.9603 | 0.4313 | 0.3767 | 0.0323 | 0.0323 | | RQ |
| PCB-172 | 44:43 | 3647 | 1.05 | 0.9918 | 0.2398 | 0.2060 | 0.0313 | 0.0313 | | RQ |
| PCB-192 | 45:01 | | | | | | 0.0240 | 0.0240 | | |
| PCB-180 | 45:23 | 53294 | 0.98 | 1.2286 | 2.430 | 2.430 | 0.0252 | 0.0252 | | |
| PCB-193 (C180) | 45:23 | 53294 | 0.98 | 1.2286 | 2.430 | 2.430 | 0.0252 | 0.0252 | | |
| PCB-191 | 45:44 | | | | | | 0.0224 | 0.0224 | | |
| PCB-170 | 46:38 | 18858 | 0.92 | 1.2700 | 1.053 | 1.053 | 0.0330 | 0.0330 | | |
| PCB-190 | 47:09 | 6025 | 1.05 | 1.3774 | 0.2706 | 0.2451 | 0.0225 | 0.0225 | | RQ |
| PCB-189 | 49:46 | | | | | | 0.0250 | 0.0250 | | |
| S Total Octachlorobipheny | | | | | 2.590 | 2.362 | 0.0308 | 0.0308 | | RQ |
| D PCB-202L | 42:35 | 386906 | 0.89 | 1.0055 | 17.8 | 17.8 | 0.1443 | 0.1443 | 88.90 | |
| * PCB-194L | 51:50 | 482628 | 0.86 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:19 | 505314 | 0.90 | 1.2867 | 16.3 | 16.3 | 0.2819 | 0.2819 | 81.37 | |
| PCB-202 | 42:38 | 3114 | 0.76 | 1.0531 | 0.1529 | 0.1529 | 0.0234 | 0.0234 | | |
| PCB-201 | 43:33 | | | | | | 0.0208 | 0.0208 | | |
| PCB-204 | 44:13 | | | | | | 0.0224 | 0.0224 | | |
| PCB-197 | 44:27 | | | | | | 0.0204 | 0.0204 | | |
| PCB-200 | 44:29 | 2596 | 0.89 | 1.1260 | 0.1318 | 0.1192 | 0.0219 | 0.0219 | | RQMa |
| PCB-198 | 47:22 | 10585 | 0.89 | 0.8183 | 0.7380 | 0.6687 | 0.0301 | 0.0301 | | RQMa |
| PCB-199 (C198) | 47:22 | 10585 | 0.89 | 0.8183 | 0.7380 | 0.6687 | 0.0301 | 0.0301 | | RQMa |
| PCB-196 | 48:00 | 5785 | 0.89 | 0.8748 | 0.3876 | 0.3418 | 0.0281 | 0.0281 | | RQMa |
| PCB-203 | 48:10 | 7346 | 0.89 | 0.9219 | 0.4491 | 0.4119 | 0.0267 | 0.0267 | | RQ |
| PCB-195 | 49:31 | 2943 | 0.89 | 0.7839 | 0.2118 | 0.1486 | 0.0586 | 0.0586 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:51 | 12160 | 0.95 | 0.9282 | 0.5185 | 0.5185 | 0.0494 | 0.0494 | | |
| PCB-205 | 52:21 | | | | | | 0.0372 | 0.0372 | | |
| S Total Nonachlorobipheny | | | | | 8.493 | 4.409 | 0.0983 | 0.0983 | | RQ |
| D PCB-208L | 49:16 | 469811 | 0.80 | 1.1383 | 17.1 | 17.1 | 0.3381 | 0.3381 | 85.52 | |
| D PCB-206L | 54:04 | 341694 | 0.87 | 0.8938 | 15.8 | 15.8 | 0.4306 | 0.4306 | 79.21 | |
| PCB-208 | 49:18 | | | | | | 0.0907 | 0.0907 | | |
| PCB-207 | 50:14 | | | | | | 0.0861 | 0.0861 | | |
| PCB-206 | 54:03 | 89836 | 0.77 | 1.1927 | 8.493 | 4.409 | 0.1180 | 0.1180 | | RQMa |
| D PCB-209L | 55:43 | 371606 | 0.71 | 0.9809 | 15.7 | 15.7 | 0.0897 | 0.0897 | 78.50 | |
| DCB Decachlorobiphenyl | 55:44 | 13286 | 0.68 | 1.2455 | 0.5741 | 0.5741 | 0.008935 | 0.008935 | | Ma |
| S Polychlorinated bipheny | | | | | 60.1 | 0.5741 | 0.0347 | 0.0347 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d
Lims ID: 580-88908-A-32-C
Client ID: J5-SC1b-80to90-82719
Sample Type: Client
Inject. Date: 03-Oct-2019 20:51:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-013
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 00:45:20 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 00:45:20

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 12:01 | 12:01 | 16 | 0.740 | 364273 | 108253 | 194 | 485 | 558 | | M |
| 202.0766 | 12:01 | 12:01 | 16 | 0.740 | 130236 | 36276 | 1003 | 2507 | 36 | 2.80(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | Ma |
| 200.0795 | 14:05 | 14:05 | 11 | 0.868 | 389621 | 81574 | 194 | 485 | 420 | | M |
| 202.0766 | 14:05 | 14:05 | 11 | 0.868 | 125516 | 26324 | 1003 | 2507 | 26 | 3.10(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | RQ |
| 188.0393 | 12:01 | 12:01 | 16 | 1.000 | 1470 | 284 | 31 | 77 | 9 | | |
| 190.0363 | 12:05 | 12:01 | 20 | 1.007 | 2352 | 451 | 25 | 62 | 18 | 0.63(2.66-3.60) | |
| | Empc Correction | | | | 469 | 90 | 25 | 62 | 4 | | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:55 | | | | | | 31 | 77 | | | |
| 190.0363 | 13:55 | | | | | | 25 | 62 | | | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:05 | | | | | | 31 | 77 | | | |
| 190.0363 | 14:05 | | | | | | 25 | 62 | | | |
| PCB-4L | | | | | | | | | | | Ma |
| 234.0406 | 14:19 | 14:19 | 9 | 0.882 | 150306 | 30989 | 621 | 1552 | 50 | | M |
| 236.0376 | 14:19 | 14:19 | 9 | 0.882 | 96309 | 19209 | 190 | 475 | 101 | 1.56(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:13 | 16:07 | 6 | | 365378 | 93622 | 621 | 1552 | 151 | | |
| 236.0376 | 16:13 | 16:07 | 6 | | 227411 | 61524 | 190 | 475 | 324 | 1.61(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:05 | 3 | 1.237 | 318987 | 73783 | 621 | 1552 | 119 | | |
| 236.0376 | 20:04 | 20:05 | 3 | 1.237 | 186826 | 44546 | 190 | 475 | 234 | 1.71(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:20 | | | | | | 41 | 102 | | | |
| 223.9974 | 14:20 | | | | | | 33 | 82 | | | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:30 | | | | | | 41 | 102 | | | |
| 223.9974 | 14:30 | | | | | | 33 | 82 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:19 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:19 | | | | | | 33 | 82 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:29 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:29 | | | | | | 33 | 82 | | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:43 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:43 | | | | | | 33 | 82 | | | |
| PCB-5 | | | | | | | | | | | RQU |
| 222.0003 | 16:56 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:56 | | | | | | 33 | 82 | | | |
| PCB-8 | | | | | | | | | | | RQMa |
| 222.0003 | 17:03 | 17:03 | 4 | 1.191 | 1072 | 275 | 41 | 102 | 7 | | M |
| 223.9974 | 17:04 | 17:03 | 6 | 1.193 | 1040 | 254 | 33 | 82 | 8 | 1.03(1.33-1.79) | |
| | Empc Correction | | | | 687 | 176 | 33 | 82 | 5 | | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | | | | | | 41 | 102 | | | |
| 223.9974 | 18:37 | | | | | | 33 | 82 | | | |
| PCB-11 | | | | | | | | | | | Ma |
| 222.0003 | 19:29 | 19:29 | 4 | 0.971 | 2342 | 548 | 41 | 102 | 13 | | M |
| 223.9974 | 19:29 | 19:29 | 4 | 0.971 | 1582 | 339 | 33 | 82 | 10 | 1.48(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:47 | | | | | | 41 | 102 | | | |
| 223.9974 | 19:47 | | | | | | 33 | 82 | | | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:47 | | | | | | 41 | 102 | | | |
| 223.9974 | 19:47 | | | | | | 33 | 82 | | | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:05 | | | | | | 41 | 102 | | | |
| 223.9974 | 20:05 | | | | | | 33 | 82 | | | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:20 | 17:17 | 5 | 0.844 | 93812 | 26178 | 376 | 940 | 70 | | |
| 269.9986 | 17:20 | 17:17 | 5 | 0.844 | 94794 | 22776 | 313 | 782 | 73 | 0.99(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:29 | 3 | | 219500 | 53270 | 376 | 940 | 142 | | |
| 269.9986 | 20:32 | 20:29 | 3 | | 209711 | 53557 | 313 | 782 | 171 | 1.05(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:45 | 2 | | 450998 | 104244 | 366 | 915 | 285 | | |
| 269.9986 | 22:47 | 22:45 | 2 | | 403582 | 97888 | 203 | 507 | 482 | 1.12(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:05 | 1 | 1.013 | 395738 | 95831 | 366 | 915 | 262 | | |
| 269.9986 | 23:04 | 23:05 | 1 | 1.013 | 356295 | 83274 | 203 | 507 | 410 | 1.11(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:02 | 27:05 | 0 | 1.187 | 353757 | 74742 | 366 | 915 | 204 | | |
| 269.9986 | 27:02 | 27:05 | 0 | 1.187 | 325331 | 69031 | 203 | 507 | 340 | 1.09(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:22 | | | | | | 13 | 32 | | | |
| 257.9584 | 17:22 | | | | | | 12 | 30 | | | |
| PCB-18 | | | | | | | | | | | RQMa |
| 255.9613 | 19:11 | 19:11 | 5 | 1.107 | 1105 | 262 | 13 | 32 | 20 | | M |
| 257.9584 | 19:11 | 19:11 | 4 | 1.106 | 1769 | 374 | 12 | 30 | 31 | 0.62(0.88-1.20) | |
| | Empc Correction | | | | 1062 | 251 | 12 | 30 | 21 | | |
| PCB-30 (C18) | | | | | | | | | | | RQMa |
| 255.9613 | 19:11 | 19:11 | 5 | 1.107 | 1105 | 262 | 13 | 32 | 20 | | M |
| 257.9584 | 19:11 | 19:11 | 4 | 1.106 | 1769 | 374 | 12 | 30 | 31 | 0.62(0.88-1.20) | |
| | Empc Correction | | | | 1062 | 251 | 12 | 30 | 21 | | |
| PCB-17 | | | | | | | | | | | RQa |
| 255.9613 | 19:36 | 19:36 | 3 | 1.131 | 496 | 160 | 13 | 32 | 12 | | a |
| 257.9584 | 19:36 | 19:36 | 3 | 1.131 | 824 | 227 | 12 | 30 | 19 | 0.60(0.88-1.20) | |
| | Empc Correction | | | | 476 | 153 | 12 | 30 | 13 | | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:51 | | | | | | 13 | 32 | | | |
| 257.9584 | 19:51 | | | | | | 12 | 30 | | | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | | | | | | 13 | 32 | | | |
| 257.9584 | 19:59 | | | | | | 12 | 30 | | | |
| PCB-16 | | | | | | | | | | | a |
| 255.9613 | 20:02 | 20:02 | 2 | 1.156 | 870 | 181 | 13 | 32 | 14 | | a |
| 257.9584 | 20:03 | 20:02 | 3 | 1.157 | 979 | 169 | 12 | 30 | 14 | 0.89(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | RQa |
| 255.9613 | 20:34 | 20:34 | 3 | 1.186 | 844 | 177 | 13 | 32 | 14 | | a |
| | Empc Correction | | | | 709 | 165 | 13 | 32 | 13 | | |
| 257.9584 | 20:32 | 20:34 | 1 | 1.185 | 682 | 159 | 12 | 30 | 13 | 1.24(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:53 | | | | | | 37 | 92 | | | |
| 257.9584 | 21:53 | | | | | | 41 | 102 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | | | | | | 37 | 92 | | | |
| 257.9584 | 22:02 | | | | | | 41 | 102 | | | |
| PCB-26 | | | | | | | | | | | RQa |
| 255.9613 | 22:15 | 22:15 | 1 | 1.284 | 1706 | 489 | 37 | 92 | 13 | | a |
| | Empc Correction | | | | 943 | 319 | 37 | 92 | 9 | | |
| 257.9584 | 22:15 | 22:15 | 1 | 1.284 | 907 | 307 | 41 | 102 | 7 | 1.88(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | RQa |
| 255.9613 | 22:15 | 22:15 | 1 | 1.284 | 1706 | 489 | 37 | 92 | 13 | | a |
| | Empc Correction | | | | 943 | 319 | 37 | 92 | 9 | | |
| 257.9584 | 22:15 | 22:15 | 1 | 1.284 | 907 | 307 | 41 | 102 | 7 | 1.88(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:29 | 22:28 | 1 | 0.831 | 1551 | 426 | 37 | 92 | 12 | | |
| 257.9584 | 22:29 | 22:28 | 1 | 0.831 | 1521 | 353 | 41 | 102 | 9 | 1.02(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:46 | 2 | 0.843 | 4121 | 1008 | 37 | 92 | 27 | | |
| 257.9584 | 22:48 | 22:46 | 2 | 0.843 | 3659 | 992 | 41 | 102 | 24 | 1.13(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:04 | 1 | 0.854 | 5604 | 1188 | 37 | 92 | 32 | | |
| 257.9584 | 23:06 | 23:04 | 1 | 0.854 | 5380 | 1453 | 41 | 102 | 35 | 1.04(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:04 | 1 | 0.854 | 5604 | 1188 | 37 | 92 | 32 | | |
| 257.9584 | 23:06 | 23:04 | 1 | 0.854 | 5380 | 1453 | 41 | 102 | 35 | 1.04(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | RQ |
| 255.9613 | 23:20 | 23:18 | 2 | 0.863 | 2992 | 721 | 37 | 92 | 19 | | |
| | Empc Correction | | | | 2169 | 516 | 37 | 92 | 14 | | |
| 257.9584 | 23:20 | 23:18 | 2 | 0.863 | 2086 | 497 | 41 | 102 | 12 | 1.43(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | RQ |
| 255.9613 | 23:20 | 23:18 | 2 | 0.863 | 2992 | 721 | 37 | 92 | 19 | | |
| | Empc Correction | | | | 2169 | 516 | 37 | 92 | 14 | | |
| 257.9584 | 23:20 | 23:18 | 2 | 0.863 | 2086 | 497 | 41 | 102 | 12 | 1.43(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:42 | 23:42 | 1 | 0.877 | 1044 | 293 | 37 | 92 | 8 | | |
| 257.9584 | 23:42 | 23:42 | 1 | 0.877 | 1107 | 274 | 41 | 102 | 7 | 0.94(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:15 | | | | | | 37 | 92 | | | |
| 257.9584 | 25:15 | | | | | | 41 | 102 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:36 | | | | | | 37 | 92 | | | |
| 257.9584 | 25:36 | | | | | | 41 | 102 | | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:11 | | | | | | 37 | 92 | | | |
| 257.9584 | 26:11 | | | | | | 41 | 102 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:39 | | | | | | 37 | 92 | | | |
| 257.9584 | 26:39 | | | | | | 41 | 102 | | | |
| PCB-37 | | | | | | | | | | | RQ |
| 255.9613 | 27:03 | 27:03 | 0 | 1.000 | 1140 | 254 | 37 | 92 | 7 | | |
| | Empc Correction | | | | 970 | 239 | 37 | 92 | 6 | | |
| 257.9584 | 27:06 | 27:03 | 2 | 1.002 | 933 | 230 | 41 | 102 | 6 | 1.22(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:20 | 3 | 0.818 | 90777 | 21947 | 80 | 200 | 274 | | |
| 303.9597 | 20:22 | 20:20 | 3 | 0.818 | 105168 | 27959 | 12 | 30 | 2330 | 0.86(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:53 | 24:53 | 1 | | 220161 | 52822 | 119 | 297 | 444 | | |
| 303.9597 | 24:53 | 24:53 | 1 | | 274967 | 64910 | 62 | 155 | 1047 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:46 | 33:48 | -1 | 1.357 | 232752 | 44963 | 119 | 297 | 378 | | |
| 303.9597 | 33:47 | 33:48 | 0 | 1.357 | 297499 | 58612 | 62 | 155 | 945 | 0.78(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:21 | 34:22 | 0 | 1.380 | 243273 | 47556 | 119 | 297 | 400 | | |
| 303.9597 | 34:21 | 34:22 | 0 | 1.380 | 297008 | 58259 | 62 | 155 | 940 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:21 | | | | | | 5 | 12 | | | |
| 291.9194 | 20:21 | | | | | | 13 | 32 | | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | | | | | | 23 | 57 | | | |
| 291.9194 | 22:34 | | | | | | 52 | 130 | | | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | | | | | | 23 | 57 | | | |
| 291.9194 | 22:34 | | | | | | 52 | 130 | | | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:16 | | | | | | 23 | 57 | | | |
| 291.9194 | 23:16 | | | | | | 52 | 130 | | | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:16 | | | | | | 23 | 57 | | | |
| 291.9194 | 23:16 | | | | | | 52 | 130 | | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:32 | | | | | | 23 | 57 | | | |
| 291.9194 | 23:32 | | | | | | 52 | 130 | | | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:54 | 24:56 | 1 | 1.223 | 14422 | 3118 | 23 | 57 | 136 | | |
| 291.9194 | 24:54 | 24:56 | 1 | 1.223 | 17977 | 4062 | 52 | 130 | 78 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:06 | | | | | | 23 | 57 | | | |
| 291.9194 | 25:06 | | | | | | 52 | 130 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:06 | | | | | | 23 | 57 | | | |
| 291.9194 | 25:06 | | | | | | 52 | 130 | | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:24 | 3 | 1.247 | 12819 | 2883 | 23 | 57 | 125 | | |
| 291.9194 | 25:23 | 25:24 | 2 | 1.247 | 14865 | 3136 | 52 | 130 | 60 | 0.86(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:24 | 3 | 1.247 | 12819 | 2883 | 23 | 57 | 125 | | |
| 291.9194 | 25:23 | 25:24 | 2 | 1.247 | 14865 | 3136 | 52 | 130 | 60 | 0.86(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:44 | | | | | | 23 | 57 | | | |
| 291.9194 | 25:44 | | | | | | 52 | 130 | | | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 0 | 1.272 | 11025 | 1509 | 23 | 57 | 66 | | |
| 291.9194 | 25:56 | 25:58 | 1 | 1.274 | 14334 | 2261 | 52 | 130 | 43 | 0.77(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 0 | 1.272 | 11025 | 1509 | 23 | 57 | 66 | | |
| 291.9194 | 25:56 | 25:58 | 1 | 1.274 | 14334 | 2261 | 52 | 130 | 43 | 0.77(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:58 | 0 | 1.272 | 11025 | 1509 | 23 | 57 | 66 | | |
| 291.9194 | 25:56 | 25:58 | 1 | 1.274 | 14334 | 2261 | 52 | 130 | 43 | 0.77(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:16 | | | | | | 23 | 57 | | | |
| 291.9194 | 26:16 | | | | | | 52 | 130 | | | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | | | | | | 23 | 57 | | | |
| 291.9194 | 26:16 | | | | | | 52 | 130 | | | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | | | | | | 23 | 57 | | | |
| 291.9194 | 26:16 | | | | | | 52 | 130 | | | |
| PCB-42 | | | | | | | | | | | RQMa |
| 289.9224 | 26:26 | 26:26 | 1 | 1.298 | 1894 | 481 | 23 | 57 | 21 | | a |
| | Empc Correction | | | | 1484 | 384 | 23 | 57 | 17 | | |
| 291.9194 | 26:26 | 26:26 | 1 | 1.298 | 1928 | 500 | 52 | 130 | 10 | 0.98(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:56 | 26:56 | 1 | 1.322 | 2799 | 694 | 23 | 57 | 30 | | |
| 291.9194 | 26:56 | 26:56 | 1 | 1.322 | 4115 | 907 | 52 | 130 | 17 | 0.68(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:56 | 26:56 | 1 | 1.322 | 2799 | 694 | 23 | 57 | 30 | | |
| 291.9194 | 26:56 | 26:56 | 1 | 1.322 | 4115 | 907 | 52 | 130 | 17 | 0.68(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:56 | 26:56 | 1 | 1.322 | 2799 | 694 | 23 | 57 | 30 | | |
| 291.9194 | 26:56 | 26:56 | 1 | 1.322 | 4115 | 907 | 52 | 130 | 17 | 0.68(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | a |
| 289.9224 | 27:08 | 27:08 | 0 | 1.332 | 2637 | 518 | 23 | 57 | 23 | | a |
| 291.9194 | 27:09 | 27:08 | 1 | 1.333 | 3626 | 741 | 52 | 130 | 14 | 0.73(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:57 | 27:57 | 0 | 0.828 | 1837 | 391 | 23 | 57 | 17 | | |
| 291.9194 | 27:58 | 27:57 | 1 | 0.828 | 2133 | 608 | 52 | 130 | 12 | 0.86(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | RQMa |
| 289.9224 | 28:16 | 28:16 | 1 | 0.837 | 1294 | 284 | 23 | 57 | 12 | | M |
| 291.9194 | 28:15 | 28:16 | 0 | 0.836 | 2567 | 427 | 52 | 130 | 8 | 0.50(0.65-0.89) | |
| | Empc Correction | | | | 1680 | 368 | 52 | 130 | 7 | | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:40 | | | | | | 23 | 57 | | | |
| 291.9194 | 28:40 | | | | | | 52 | 130 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:54 | | | | | | 23 | 57 | | | |
| 291.9194 | 28:54 | | | | | | 52 | 130 | | | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:04 | | | | | | 23 | 57 | | | |
| 291.9194 | 29:04 | | | | | | 52 | 130 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:20 | | | | | | 23 | 57 | | | |
| 291.9194 | 29:20 | | | | | | 52 | 130 | | | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 18188 | 3348 | 23 | 57 | 146 | | |
| 291.9194 | 29:39 | 29:40 | -2 | 0.878 | 21149 | 3613 | 52 | 130 | 69 | 0.86(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 18188 | 3348 | 23 | 57 | 146 | | |
| 291.9194 | 29:39 | 29:40 | -2 | 0.878 | 21149 | 3613 | 52 | 130 | 69 | 0.86(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 18188 | 3348 | 23 | 57 | 146 | | |
| 291.9194 | 29:39 | 29:40 | -2 | 0.878 | 21149 | 3613 | 52 | 130 | 69 | 0.86(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 18188 | 3348 | 23 | 57 | 146 | | |
| 291.9194 | 29:39 | 29:40 | -2 | 0.878 | 21149 | 3613 | 52 | 130 | 69 | 0.86(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:00 | 30:01 | 0 | 0.888 | 9267 | 1698 | 23 | 57 | 74 | | |
| 291.9194 | 30:00 | 30:01 | 0 | 0.888 | 10887 | 2579 | 52 | 130 | 50 | 0.85(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:09 | | | | | | 23 | 57 | | | |
| 291.9194 | 30:09 | | | | | | 52 | 130 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:39 | 30:39 | -1 | 0.908 | 2687 | 617 | 23 | 57 | 27 | | |
| 291.9194 | 30:39 | 30:39 | -2 | 0.907 | 3225 | 518 | 52 | 130 | 10 | 0.83(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:52 | | | | | | 23 | 57 | | | |
| 291.9194 | 30:52 | | | | | | 52 | 130 | | | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:17 | | | | | | 23 | 57 | | | |
| 291.9194 | 31:17 | | | | | | 52 | 130 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:48 | | | | | | 23 | 57 | | | |
| 291.9194 | 32:48 | | | | | | 52 | 130 | | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:22 | | | | | | 23 | 57 | | | |
| 291.9194 | 33:22 | | | | | | 52 | 130 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:48 | | | | | | 23 | 57 | | | |
| 291.9194 | 33:48 | | | | | | 52 | 130 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:22 | | | | | | 23 | 57 | | | |
| 291.9194 | 34:22 | | | | | | 52 | 130 | | | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:50 | 25:49 | 1 | 0.814 | 241069 | 54533 | 61 | 152 | 894 | | |
| 339.9178 | 25:50 | 25:49 | 1 | 0.814 | 154675 | 36828 | 47 | 117 | 784 | 1.56(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:43 | 31:43 | 0 | | 237723 | 49553 | 61 | 152 | 812 | | |
| 339.9178 | 31:43 | 31:43 | -1 | | 153824 | 32201 | 47 | 117 | 685 | 1.55(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:24 | 34:24 | -1 | 1.084 | 269097 | 53419 | 61 | 152 | 876 | | |
| 339.9178 | 34:24 | 34:24 | -1 | 1.084 | 166638 | 36301 | 47 | 117 | 772 | 1.61(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:21 | 36:22 | -1 | 1.146 | 310617 | 65073 | 524 | 1310 | 124 | | |
| 339.9178 | 36:21 | 36:22 | -1 | 1.146 | 193015 | 40301 | 464 | 1160 | 87 | 1.61(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:40 | 36:42 | -1 | 1.156 | 328963 | 68300 | 524 | 1310 | 130 | | |
| 339.9178 | 36:40 | 36:42 | -1 | 1.156 | 196833 | 40302 | 464 | 1160 | 87 | 1.67(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:12 | 37:13 | -1 | 1.173 | 317847 | 62748 | 524 | 1310 | 120 | | |
| 339.9178 | 37:12 | 37:13 | -1 | 1.173 | 204111 | 40720 | 464 | 1160 | 88 | 1.56(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:51 | 37:51 | -1 | 1.193 | 320708 | 62398 | 524 | 1310 | 119 | | |
| 339.9178 | 37:51 | 37:51 | -1 | 1.193 | 200266 | 41706 | 464 | 1160 | 90 | 1.60(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:19 | 39:20 | -1 | | 401006 | 79179 | 524 | 1310 | 151 | | |
| 339.9178 | 39:20 | 39:20 | 0 | | 244269 | 49143 | 464 | 1160 | 106 | 1.64(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:56 | 40:57 | -1 | 1.290 | 323508 | 65079 | 524 | 1310 | 124 | | |
| 339.9178 | 40:56 | 40:57 | -1 | 1.290 | 187838 | 37151 | 464 | 1160 | 80 | 1.72(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:51 | | | | | | 49 | 122 | | | |
| 327.8775 | 25:51 | | | | | | 32 | 80 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | | | | | | 49 | 122 | | | |
| 327.8775 | 26:14 | | | | | | 32 | 80 | | | |
| PCB-103 | | | | | | | | | | | Ma |
| 325.8804 | 28:10 | 28:10 | 1 | 1.091 | 1990 | 376 | 49 | 122 | 8 | | M |
| 327.8775 | 28:09 | 28:10 | 0 | 1.090 | 1333 | 296 | 32 | 80 | 9 | 1.49(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:23 | | | | | | 49 | 122 | | | |
| 327.8775 | 28:23 | | | | | | 32 | 80 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:48 | 28:49 | -1 | 1.115 | 24582 | 4739 | 49 | 122 | 97 | | |
| 327.8775 | 28:48 | 28:49 | -1 | 1.115 | 14747 | 3440 | 32 | 80 | 108 | 1.67(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | RQ |
| 325.8804 | 29:01 | 29:02 | -1 | 1.123 | 1935 | 470 | 49 | 122 | 10 | | |
| | Empc Correction | | | | 1376 | 325 | 49 | 122 | 7 | | |
| 327.8775 | 29:01 | 29:02 | -1 | 1.123 | 888 | 210 | 32 | 80 | 7 | 2.18(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | RQ |
| 325.8804 | 29:01 | 29:02 | -1 | 1.123 | 1935 | 470 | 49 | 122 | 10 | | |
| | Empc Correction | | | | 1376 | 325 | 49 | 122 | 7 | | |
| 327.8775 | 29:01 | 29:02 | -1 | 1.123 | 888 | 210 | 32 | 80 | 7 | 2.18(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:11 | | | | | | 49 | 122 | | | |
| 327.8775 | 29:11 | | | | | | 32 | 80 | | | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:11 | | | | | | 49 | 122 | | | |
| 327.8775 | 29:11 | | | | | | 32 | 80 | | | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 0 | 1.149 | 6785 | 1388 | 49 | 122 | 28 | | |
| 327.8775 | 29:41 | 29:41 | 0 | 1.149 | 3981 | 926 | 32 | 80 | 29 | 1.70(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 0 | 1.149 | 6785 | 1388 | 49 | 122 | 28 | | |
| 327.8775 | 29:41 | 29:41 | 0 | 1.149 | 3981 | 926 | 32 | 80 | 29 | 1.70(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:53 | 29:54 | 0 | 1.157 | 4590 | 894 | 49 | 122 | 18 | | |
| 327.8775 | 29:54 | 29:54 | 1 | 1.158 | 3102 | 718 | 32 | 80 | 22 | 1.48(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:23 | | | | | | 49 | 122 | | | |
| 327.8775 | 30:23 | | | | | | 32 | 80 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:48 | | | | | | 49 | 122 | | | |
| 327.8775 | 30:48 | | | | | | 32 | 80 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:09 | 31:09 | -1 | 0.857 | 8572 | 1962 | 49 | 122 | 40 | | |
| 327.8775 | 31:09 | 31:09 | -1 | 0.857 | 5700 | 1220 | 32 | 80 | 38 | 1.50(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:45 | 0 | 1.229 | 38244 | 7865 | 49 | 122 | 161 | | |
| 327.8775 | 31:44 | 31:45 | 0 | 1.229 | 22084 | 4501 | 32 | 80 | 141 | 1.73(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:45 | 0 | 1.229 | 38244 | 7865 | 49 | 122 | 161 | | |
| 327.8775 | 31:44 | 31:45 | 0 | 1.229 | 22084 | 4501 | 32 | 80 | 141 | 1.73(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:45 | 0 | 1.229 | 38244 | 7865 | 49 | 122 | 161 | | |
| 327.8775 | 31:44 | 31:45 | 0 | 1.229 | 22084 | 4501 | 32 | 80 | 141 | 1.73(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:19 | 32:19 | -1 | 1.251 | 23688 | 4586 | 49 | 122 | 94 | | M |
| 327.8775 | 32:19 | 32:19 | -1 | 1.251 | 15101 | 3229 | 32 | 80 | 101 | 1.57(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:19 | 32:19 | -1 | 1.251 | 23688 | 4586 | 49 | 122 | 94 | | M |
| 327.8775 | 32:19 | 32:19 | -1 | 1.251 | 15101 | 3229 | 32 | 80 | 101 | 1.57(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:27 | | | | | | 49 | 122 | | | |
| 327.8775 | 32:27 | | | | | | 32 | 80 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.271 | 15331 | 1853 | 49 | 122 | 38 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.270 | 9788 | 1304 | 32 | 80 | 41 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.271 | 15331 | 1853 | 49 | 122 | 38 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.270 | 9788 | 1304 | 32 | 80 | 41 | 1.57(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.271 | 15331 | 1853 | 49 | 122 | 38 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.270 | 9788 | 1304 | 32 | 80 | 41 | 1.57(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.271 | 15331 | 1853 | 49 | 122 | 38 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.270 | 9788 | 1304 | 32 | 80 | 41 | 1.57(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.271 | 15331 | 1853 | 49 | 122 | 38 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.270 | 9788 | 1304 | 32 | 80 | 41 | 1.57(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:50 | 32:50 | 1 | 1.271 | 15331 | 1853 | 49 | 122 | 38 | | M |
| 327.8775 | 32:49 | 32:50 | 0 | 1.270 | 9788 | 1304 | 32 | 80 | 41 | 1.57(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:33 | -2 | 1.298 | 2664 | 602 | 49 | 122 | 12 | | |
| 327.8775 | 33:32 | 33:33 | -1 | 1.298 | 1808 | 332 | 32 | 80 | 10 | 1.47(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:33 | -2 | 1.298 | 2664 | 602 | 49 | 122 | 12 | | |
| 327.8775 | 33:32 | 33:33 | -1 | 1.298 | 1808 | 332 | 32 | 80 | 10 | 1.47(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:33 | -2 | 1.298 | 2664 | 602 | 49 | 122 | 12 | | |
| 327.8775 | 33:32 | 33:33 | -1 | 1.298 | 1808 | 332 | 32 | 80 | 10 | 1.47(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:42 | 33:42 | -5 | 1.305 | 37704 | 7577 | 49 | 122 | 155 | | a |
| 327.8775 | 33:42 | 33:42 | -5 | 1.304 | 23638 | 4942 | 32 | 80 | 154 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:42 | 33:42 | -5 | 1.305 | 37704 | 7577 | 49 | 122 | 155 | | a |
| 327.8775 | 33:42 | 33:42 | -5 | 1.304 | 23638 | 4942 | 32 | 80 | 154 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:02 | | | | | | 49 | 122 | | | |
| 327.8775 | 34:02 | | | | | | 32 | 80 | | | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:27 | | | | | | 49 | 122 | | | |
| 327.8775 | 34:27 | | | | | | 32 | 80 | | | |
| PCB-120 | | | | | | | | | | | RQMa |
| 325.8804 | 34:53 | 34:53 | -1 | 1.350 | 2026 | 334 | 49 | 122 | 7 | | M |
| | Empc Correction | | | | 1277 | 274 | 49 | 122 | 6 | | |
| 327.8775 | 34:55 | 34:53 | 2 | 1.352 | 824 | 177 | 32 | 80 | 6 | 2.46(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:03 | | | | | | 52 | 130 | | | |
| 327.8775 | 36:03 | | | | | | 30 | 75 | | | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:03 | | | | | | 52 | 130 | | | |
| 327.8775 | 36:03 | | | | | | 30 | 75 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-107 | | | | | | | | | | | Ma |
| 325.8804 | 36:15 | 36:15 | -1 | 1.403 | 4144 | 811 | 52 | 130 | 16 | | M |
| 327.8775 | 36:14 | 36:15 | -1 | 1.403 | 2537 | 556 | 30 | 75 | 19 | 1.63(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:22 | | | | | | 52 | 130 | | | |
| 327.8775 | 36:22 | | | | | | 30 | 75 | | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:29 | | | | | | 52 | 130 | | | |
| 327.8775 | 36:29 | | | | | | 30 | 75 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:43 | 36:41 | 0 | 1.001 | 28357 | 5696 | 52 | 130 | 110 | | |
| 327.8775 | 36:42 | 36:41 | -1 | 1.001 | 18041 | 3765 | 30 | 75 | 126 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:02 | | | | | | 52 | 130 | | | |
| 327.8775 | 37:02 | | | | | | 30 | 75 | | | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:14 | | | | | | 52 | 130 | | | |
| 327.8775 | 37:14 | | | | | | 30 | 75 | | | |
| PCB-105 | | | | | | | | | | | Ma |
| 325.8804 | 37:53 | 37:53 | 0 | 1.001 | 6795 | 1019 | 52 | 130 | 20 | | M |
| 327.8775 | 37:52 | 37:53 | -1 | 1.001 | 4308 | 870 | 30 | 75 | 29 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:21 | | | | | | 52 | 130 | | | |
| 327.8775 | 39:21 | | | | | | 30 | 75 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:57 | | | | | | 52 | 130 | | | |
| 327.8775 | 40:57 | | | | | | 30 | 75 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:30 | 31:30 | -1 | 0.791 | 216452 | 48322 | 34 | 85 | 1421 | | |
| 373.8788 | 31:30 | 31:30 | -1 | 0.791 | 161556 | 35244 | 64 | 160 | 551 | 1.34(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:48 | 39:48 | -1 | | 265964 | 52708 | 230 | 575 | 229 | | |
| 373.8788 | 39:48 | 39:48 | -1 | | 214119 | 42321 | 126 | 315 | 336 | 1.24(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:49 | 42:49 | -1 | 1.076 | 292623 | 58936 | 230 | 575 | 256 | | |
| 373.8788 | 42:48 | 42:49 | -1 | 1.076 | 214211 | 41158 | 126 | 315 | 327 | 1.37(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:57 | -1 | 1.104 | 568563 | 81267 | 230 | 575 | 353 | | |
| 373.8788 | 43:58 | 43:57 | 0 | 1.105 | 441905 | 63398 | 126 | 315 | 503 | 1.29(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:57 | -1 | 1.104 | 568563 | 81267 | 230 | 575 | 353 | | |
| 373.8788 | 43:58 | 43:57 | 0 | 1.105 | 441905 | 63398 | 126 | 315 | 503 | 1.29(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:12 | 47:12 | -1 | 1.186 | 284934 | 55851 | 230 | 575 | 243 | | |
| 373.8788 | 47:11 | 47:12 | -1 | 1.186 | 232541 | 44224 | 126 | 315 | 351 | 1.23(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:31 | | | | | | 14 | 35 | | | |
| 361.8385 | 31:31 | | | | | | 10 | 25 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:42 | | | | | | 14 | 35 | | | |
| 361.8385 | 31:42 | | | | | | 10 | 25 | | | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | 31:53 | -1 | 1.012 | 868 | 175 | 14 | 35 | 13 | | |
| 361.8385 | 31:53 | 31:53 | -1 | 1.012 | 636 | 102 | 10 | 25 | 10 | 1.36(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:13 | 32:13 | -1 | 1.023 | 7927 | 1704 | 14 | 35 | 122 | | |
| 361.8385 | 32:13 | 32:13 | -1 | 1.023 | 6492 | 1448 | 10 | 25 | 145 | 1.22(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:31 | | | | | | 14 | 35 | | | |
| 361.8385 | 32:31 | | | | | | 10 | 25 | | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:03 | | | | | | 14 | 35 | | | |
| 361.8385 | 34:03 | | | | | | 10 | 25 | | | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:38 | 34:38 | 0 | 1.100 | 14401 | 2118 | 14 | 35 | 151 | | M |
| 361.8385 | 34:41 | 34:38 | 3 | 1.101 | 11772 | 1467 | 10 | 25 | 147 | 1.22(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:38 | 34:38 | 0 | 1.100 | 14401 | 2118 | 14 | 35 | 151 | | M |
| 361.8385 | 34:41 | 34:38 | 3 | 1.101 | 11772 | 1467 | 10 | 25 | 147 | 1.22(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | RQ |
| 359.8415 | 34:54 | 34:53 | 0 | 1.108 | 3839 | 753 | 14 | 35 | 54 | | |
| | Empc Correction | | | | 3189 | 742 | 14 | 35 | 53 | | |
| 361.8385 | 34:54 | 34:53 | 0 | 1.108 | 2572 | 599 | 10 | 25 | 60 | 1.49(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | RQ |
| 359.8415 | 35:13 | 35:12 | 1 | 1.118 | 1927 | 329 | 14 | 35 | 24 | | |
| | Empc Correction | | | | 1342 | 235 | 14 | 35 | 17 | | |
| 361.8385 | 35:13 | 35:12 | 0 | 1.118 | 1083 | 190 | 10 | 25 | 19 | 1.78(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:33 | -1 | 1.129 | 46509 | 9519 | 39 | 97 | 244 | | |
| 361.8385 | 35:34 | 35:33 | -1 | 1.129 | 36776 | 7884 | 33 | 82 | 239 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:33 | -1 | 1.129 | 46509 | 9519 | 39 | 97 | 244 | | |
| 361.8385 | 35:34 | 35:33 | -1 | 1.129 | 36776 | 7884 | 33 | 82 | 239 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | RQa |
| 359.8415 | 35:45 | 35:45 | -8 | 1.135 | 2537 | 457 | 39 | 97 | 12 | | a |
| | Empc Correction | | | | 1799 | 285 | 39 | 97 | 7 | | |
| 361.8385 | 35:45 | 35:45 | -7 | 1.135 | 1451 | 230 | 33 | 82 | 7 | 1.75(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | RQa |
| 359.8415 | 35:45 | 35:45 | -8 | 1.135 | 2537 | 457 | 39 | 97 | 12 | | a |
| | Empc Correction | | | | 1799 | 285 | 39 | 97 | 7 | | |
| 361.8385 | 35:45 | 35:45 | -7 | 1.135 | 1451 | 230 | 33 | 82 | 7 | 1.75(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-139 | | | | | | | | | | | RQ |
| 359.8415 | 36:10 | 36:09 | 0 | 1.149 | 1194 | 208 | 39 | 97 | 5 | | |
| 361.8385 | 36:10 | 36:09 | 0 | 1.149 | 1303 | 286 | 33 | 82 | 9 | 0.92(1.05-1.43) | |
| | Empc Correction | | | | 962 | 167 | 33 | 82 | 5 | | |
| PCB-140 (C139) | | | | | | | | | | | RQ |
| 359.8415 | 36:10 | 36:09 | 0 | 1.149 | 1194 | 208 | 39 | 97 | 5 | | |
| 361.8385 | 36:10 | 36:09 | 0 | 1.149 | 1303 | 286 | 33 | 82 | 9 | 0.92(1.05-1.43) | |
| | Empc Correction | | | | 962 | 167 | 33 | 82 | 5 | | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:21 | | | | | | 39 | 97 | | | |
| 361.8385 | 36:21 | | | | | | 33 | 82 | | | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:31 | | | | | | 39 | 97 | | | |
| 361.8385 | 36:31 | | | | | | 33 | 82 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:50 | 36:49 | 0 | 1.169 | 10663 | 2290 | 39 | 97 | 59 | | |
| 361.8385 | 36:49 | 36:49 | -1 | 1.169 | 9216 | 1964 | 33 | 82 | 60 | 1.16(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:18 | 37:19 | -2 | 1.184 | 2216 | 365 | 39 | 97 | 9 | | |
| 361.8385 | 37:19 | 37:19 | -1 | 1.185 | 1681 | 253 | 33 | 82 | 8 | 1.32(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:43 | | | | | | 39 | 97 | | | |
| 361.8385 | 37:43 | | | | | | 33 | 82 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:58 | 37:59 | -1 | 0.887 | 16723 | 3400 | 39 | 97 | 87 | | |
| 361.8385 | 37:59 | 37:59 | -1 | 0.887 | 14031 | 2651 | 33 | 82 | 80 | 1.19(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:07 | | | | | | 39 | 97 | | | |
| 361.8385 | 38:07 | | | | | | 33 | 82 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:35 | 38:37 | -3 | 0.901 | 55842 | 11043 | 39 | 97 | 283 | | |
| 361.8385 | 38:35 | 38:37 | -3 | 0.901 | 45109 | 9225 | 33 | 82 | 280 | 1.24(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:35 | 38:37 | -3 | 0.901 | 55842 | 11043 | 39 | 97 | 283 | | |
| 361.8385 | 38:35 | 38:37 | -3 | 0.901 | 45109 | 9225 | 33 | 82 | 280 | 1.24(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | -1 | 0.906 | 6106 | 1025 | 39 | 97 | 26 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.906 | 4984 | 1069 | 33 | 82 | 32 | 1.23(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:11 | 39:11 | -1 | 0.915 | 2266 | 492 | 39 | 97 | 13 | | |
| 361.8385 | 39:12 | 39:11 | 0 | 0.915 | 1597 | 362 | 33 | 82 | 11 | 1.42(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | RQ |
| 359.8415 | 39:23 | 39:24 | -1 | 0.920 | 1203 | 242 | 39 | 97 | 6 | | |
| | Empc Correction | | | | 859 | 308 | 39 | 97 | 8 | | |
| 361.8385 | 39:23 | 39:24 | -1 | 0.920 | 693 | 249 | 33 | 82 | 8 | 1.74(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:31 | 39:31 | -1 | 0.923 | 3741 | 772 | 39 | 97 | 20 | | |
| 361.8385 | 39:32 | 39:31 | 0 | 0.923 | 2895 | 501 | 33 | 82 | 15 | 1.29(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:50 | -1 | 0.930 | 40675 | 7815 | 39 | 97 | 200 | | |
| 361.8385 | 39:49 | 39:50 | -1 | 0.930 | 30490 | 5572 | 33 | 82 | 169 | 1.33(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:50 | -1 | 0.930 | 40675 | 7815 | 39 | 97 | 200 | | |
| 361.8385 | 39:49 | 39:50 | -1 | 0.930 | 30490 | 5572 | 33 | 82 | 169 | 1.33(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:50 | -1 | 0.930 | 40675 | 7815 | 39 | 97 | 200 | | |
| 361.8385 | 39:49 | 39:50 | -1 | 0.930 | 30490 | 5572 | 33 | 82 | 169 | 1.33(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:50 | -1 | 0.930 | 40675 | 7815 | 39 | 97 | 200 | | |
| 361.8385 | 39:49 | 39:50 | -1 | 0.930 | 30490 | 5572 | 33 | 82 | 169 | 1.33(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:12 | 40:13 | -1 | 0.939 | 4658 | 893 | 39 | 97 | 23 | | |
| 361.8385 | 40:14 | 40:13 | 0 | 0.940 | 3794 | 564 | 33 | 82 | 17 | 1.23(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | RQ |
| 359.8415 | 41:04 | 41:06 | -1 | 0.959 | 6068 | 720 | 39 | 97 | 18 | | |
| | Empc Correction | | | | 4859 | 653 | 39 | 97 | 17 | | |
| 361.8385 | 41:04 | 41:06 | -1 | 0.959 | 3919 | 527 | 33 | 82 | 16 | 1.55(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | RQ |
| 359.8415 | 41:04 | 41:06 | -1 | 0.959 | 6068 | 720 | 39 | 97 | 18 | | |
| | Empc Correction | | | | 4859 | 653 | 39 | 97 | 17 | | |
| 361.8385 | 41:04 | 41:06 | -1 | 0.959 | 3919 | 527 | 33 | 82 | 16 | 1.55(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | Ma |
| 359.8415 | 42:02 | 42:02 | -3 | 0.982 | 1173 | 222 | 39 | 97 | 6 | | M |
| 361.8385 | 42:03 | 42:02 | -2 | 0.982 | 847 | 144 | 33 | 82 | 4 | 1.38(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:21 | | | | | | 39 | 97 | | | |
| 361.8385 | 42:21 | | | | | | 33 | 82 | | | |
| PCB-167 | | | | | | | | | | | RQMa |
| 359.8415 | 42:50 | 42:50 | -1 | 1.001 | 2079 | 372 | 39 | 97 | 10 | | M |
| | Empc Correction | | | | 1671 | 241 | 39 | 97 | 6 | | |
| 361.8385 | 42:47 | 42:50 | -4 | 0.999 | 1348 | 195 | 33 | 82 | 6 | 1.54(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | RQ |
| 359.8415 | 43:58 | 43:59 | -1 | 1.000 | 4184 | 922 | 39 | 97 | 24 | | |
| 361.8385 | 43:58 | 43:59 | -1 | 1.000 | 4241 | 684 | 33 | 82 | 21 | 0.99(1.05-1.43) | |
| | Empc Correction | | | | 3374 | 743 | 33 | 82 | 23 | | |
| PCB-157 (C156) | | | | | | | | | | | RQ |
| 359.8415 | 43:58 | 43:59 | -1 | 1.000 | 4184 | 922 | 39 | 97 | 24 | | |
| 361.8385 | 43:58 | 43:59 | -1 | 1.000 | 4241 | 684 | 33 | 82 | 21 | 0.99(1.05-1.43) | |
| | Empc Correction | | | | 3374 | 743 | 33 | 82 | 23 | | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:12 | | | | | | 39 | 97 | | | |
| 361.8385 | 47:12 | | | | | | 33 | 82 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:12 | 37:13 | -1 | 0.820 | 220662 | 43252 | 81 | 202 | 534 | | |
| 407.8398 | 37:13 | 37:13 | -1 | 0.821 | 211313 | 43662 | 98 | 245 | 446 | 1.04(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:16 | 40:15 | -1 | 0.888 | 173671 | 37360 | 81 | 202 | 461 | | |
| 407.8398 | 40:16 | 40:15 | -1 | 0.888 | 160512 | 33828 | 98 | 245 | 345 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:21 | 45:22 | -1 | | 227209 | 42490 | 81 | 202 | 525 | | |
| 407.8398 | 45:21 | 45:22 | -1 | | 205630 | 39516 | 98 | 245 | 403 | 1.10(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:36 | 46:36 | -1 | 1.028 | 145075 | 26114 | 81 | 202 | 322 | | |
| 407.8398 | 46:36 | 46:36 | -1 | 1.028 | 136963 | 24985 | 98 | 245 | 255 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:43 | 49:43 | -1 | 1.096 | 316444 | 60781 | 1035 | 2587 | 59 | | |
| 407.8398 | 49:43 | 49:43 | -1 | 1.096 | 283619 | 56167 | 638 | 1595 | 88 | 1.12(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:13 | | | | | | 20 | 50 | | | |
| 395.7995 | 37:13 | | | | | | 23 | 57 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:34 | 37:34 | -1 | 1.009 | 7872 | 1546 | 20 | 50 | 77 | | |
| 395.7995 | 37:34 | 37:34 | -1 | 1.010 | 6900 | 1392 | 23 | 57 | 61 | 1.14(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:06 | | | | | | 20 | 50 | | | |
| 395.7995 | 38:06 | | | | | | 23 | 57 | | | |
| PCB-176 | | | | | | | | | | | RQ |
| 393.8025 | 38:27 | 38:26 | -1 | 1.033 | 1980 | 469 | 20 | 50 | 23 | | |
| 395.7995 | 38:27 | 38:26 | -1 | 1.033 | 2323 | 437 | 23 | 57 | 19 | 0.85(0.89-1.21) | |
| | Empc Correction | | | | 1885 | 446 | 23 | 57 | 19 | | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:53 | | | | | | 20 | 50 | | | |
| 395.7995 | 38:53 | | | | | | 23 | 57 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:17 | 40:17 | -1 | 1.083 | 3470 | 744 | 20 | 50 | 37 | | |
| 395.7995 | 40:17 | 40:17 | -1 | 1.083 | 3199 | 578 | 23 | 57 | 25 | 1.08(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:54 | | | | | | 20 | 50 | | | |
| 395.7995 | 40:54 | | | | | | 23 | 57 | | | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:12 | 41:11 | -1 | 1.107 | 18405 | 3585 | 20 | 50 | 179 | | |
| 395.7995 | 41:12 | 41:11 | -1 | 1.107 | 16853 | 3362 | 23 | 57 | 146 | 1.09(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:23 | | | | | | 20 | 50 | | | |
| 395.7995 | 41:23 | | | | | | 23 | 57 | | | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:48 | 41:47 | -1 | 1.123 | 8332 | 1510 | 20 | 50 | 76 | | |
| 395.7995 | 41:48 | 41:47 | -1 | 1.124 | 7388 | 1120 | 23 | 57 | 49 | 1.13(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:48 | 41:47 | -1 | 1.123 | 8332 | 1510 | 20 | 50 | 76 | | |
| 395.7995 | 41:48 | 41:47 | -1 | 1.124 | 7388 | 1120 | 23 | 57 | 49 | 1.13(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:02 | 42:02 | -1 | 1.130 | 11044 | 2426 | 20 | 50 | 121 | | |
| 395.7995 | 42:02 | 42:02 | -1 | 1.130 | 9893 | 2021 | 23 | 57 | 88 | 1.12(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:28 | 42:27 | -1 | 1.141 | 7124 | 1433 | 20 | 50 | 72 | | |
| 395.7995 | 42:28 | 42:27 | -1 | 1.142 | 7604 | 1444 | 23 | 57 | 63 | 0.94(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | RQ |
| 393.8025 | 42:52 | 42:53 | -1 | 1.152 | 983 | 128 | 20 | 50 | 6 | | |
| | Empc Correction | | | | 608 | 95 | 20 | 50 | 5 | | |
| 395.7995 | 42:51 | 42:53 | -2 | 1.152 | 580 | 91 | 23 | 57 | 4 | 1.69(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | RQ |
| 393.8025 | 43:06 | 43:08 | 0 | 1.159 | 4243 | 822 | 20 | 50 | 41 | | |
| | Empc Correction | | | | 3307 | 700 | 20 | 50 | 35 | | |
| 395.7995 | 43:05 | 43:08 | -1 | 1.158 | 3150 | 667 | 23 | 57 | 29 | 1.35(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | RQ |
| 393.8025 | 43:06 | 43:08 | 0 | 1.159 | 4243 | 822 | 20 | 50 | 41 | | |
| | Empc Correction | | | | 3307 | 700 | 20 | 50 | 35 | | |
| 395.7995 | 43:05 | 43:08 | -1 | 1.158 | 3150 | 667 | 23 | 57 | 29 | 1.35(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | RQ |
| 393.8025 | 44:43 | 44:44 | -1 | 0.899 | 1868 | 345 | 20 | 50 | 17 | | |
| 395.7995 | 44:43 | 44:44 | -1 | 0.899 | 2377 | 487 | 23 | 57 | 21 | 0.79(0.89-1.21) | |
| | Empc Correction | | | | 1779 | 328 | 23 | 57 | 14 | | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:01 | | | | | | 20 | 50 | | | |
| 395.7995 | 45:01 | | | | | | 23 | 57 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:23 | 45:20 | 2 | 0.913 | 26399 | 4648 | 20 | 50 | 232 | | |
| 395.7995 | 45:23 | 45:20 | 2 | 0.913 | 26895 | 4827 | 23 | 57 | 210 | 0.98(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:23 | 45:20 | 2 | 0.913 | 26399 | 4648 | 20 | 50 | 232 | | |
| 395.7995 | 45:23 | 45:20 | 2 | 0.913 | 26895 | 4827 | 23 | 57 | 210 | 0.98(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:44 | | | | | | 20 | 50 | | | |
| 395.7995 | 45:44 | | | | | | 23 | 57 | | | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:38 | 46:38 | -1 | 0.938 | 9044 | 1790 | 20 | 50 | 90 | | |
| 395.7995 | 46:37 | 46:38 | -1 | 0.938 | 9814 | 1661 | 23 | 57 | 72 | 0.92(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | RQ |
| 393.8025 | 47:09 | 47:09 | -1 | 0.948 | 3086 | 575 | 20 | 50 | 29 | | |
| 395.7995 | 47:10 | 47:09 | 0 | 0.949 | 3566 | 735 | 23 | 57 | 32 | 0.87(0.89-1.21) | |
| | Empc Correction | | | | 2939 | 547 | 23 | 57 | 24 | | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:45 | | | | | | 34 | 85 | | | |
| 395.7995 | 49:45 | | | | | | 41 | 102 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:35 | 42:35 | -1 | 0.821 | 182571 | 36864 | 117 | 292 | 315 | | |
| 441.8008 | 42:35 | 42:35 | -1 | 0.821 | 204335 | 41916 | 121 | 302 | 346 | 0.89(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:50 | 51:51 | -1 | | 222753 | 43947 | 340 | 850 | 129 | | |
| 441.8008 | 51:50 | 51:51 | -1 | | 259875 | 48141 | 328 | 820 | 147 | 0.86(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:19 | 52:19 | -1 | 1.009 | 239636 | 47458 | 340 | 850 | 140 | | |
| 441.8008 | 52:19 | 52:19 | -1 | 1.009 | 265678 | 51458 | 328 | 820 | 157 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:38 | 42:36 | 1 | 1.001 | 1343 | 262 | 21 | 52 | 12 | | |
| 429.7606 | 42:36 | 42:36 | -1 | 1.001 | 1771 | 312 | 18 | 45 | 17 | 0.76(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:31 | | | | | | 21 | 52 | | | |
| 429.7606 | 43:31 | | | | | | 18 | 45 | | | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:14 | | | | | | 21 | 52 | | | |
| 429.7606 | 44:14 | | | | | | 18 | 45 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:25 | | | | | | 21 | 52 | | | |
| 429.7606 | 44:25 | | | | | | 18 | 45 | | | |
| PCB-200 | | | | | | | | | | | RQMa |
| 427.7635 | 44:29 | 44:29 | -4 | 1.045 | 1498 | 220 | 21 | 52 | 10 | | M |
| | Empc Correction | | | | 1222 | 219 | 21 | 52 | 10 | | |
| 429.7606 | 44:33 | 44:29 | 0 | 1.046 | 1374 | 247 | 18 | 45 | 14 | 1.09(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | RQMa |
| 427.7635 | 47:22 | 47:22 | 2 | 1.112 | 6082 | 989 | 21 | 52 | 47 | | M |
| | Empc Correction | | | | 4984 | 911 | 21 | 52 | 43 | | |
| 429.7606 | 47:21 | 47:22 | 1 | 1.112 | 5601 | 1024 | 18 | 45 | 57 | 1.09(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | RQMa |
| 427.7635 | 47:22 | 47:22 | 2 | 1.112 | 6082 | 989 | 21 | 52 | 47 | | M |
| | Empc Correction | | | | 4984 | 911 | 21 | 52 | 43 | | |
| 429.7606 | 47:21 | 47:22 | 1 | 1.112 | 5601 | 1024 | 18 | 45 | 57 | 1.09(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | RQMa |
| 427.7635 | 48:00 | 48:00 | -1 | 0.918 | 3498 | 560 | 21 | 52 | 27 | | M |
| | Empc Correction | | | | 2724 | 537 | 21 | 52 | 26 | | |
| 429.7606 | 47:59 | 48:00 | -2 | 0.917 | 3061 | 604 | 18 | 45 | 34 | 1.14(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | RQ |
| 427.7635 | 48:10 | 48:12 | -2 | 0.921 | 4122 | 647 | 21 | 52 | 31 | | |
| | Empc Correction | | | | 3459 | 759 | 21 | 52 | 36 | | |
| 429.7606 | 48:11 | 48:12 | -2 | 0.921 | 3887 | 853 | 18 | 45 | 47 | 1.06(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | RQ |
| 427.7635 | 49:31 | 49:31 | -1 | 0.946 | 1386 | 258 | 65 | 162 | 4 | | |
| 429.7606 | 49:30 | 49:31 | -2 | 0.946 | 2808 | 615 | 26 | 65 | 24 | 0.49(0.76-1.02) | |
| | Empc Correction | | | | 1557 | 289 | 26 | 65 | 11 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:51 | 51:52 | -2 | 0.991 | 5928 | 1186 | 65 | 162 | 18 | | |
| 429.7606 | 51:52 | 51:52 | 0 | 0.991 | 6232 | 1119 | 26 | 65 | 43 | 0.95(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:20 | | | | | | 65 | 162 | | | |
| 429.7606 | 52:20 | | | | | | 26 | 65 | | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:16 | 49:16 | -1 | 0.950 | 209336 | 38515 | 311 | 777 | 124 | | |
| 475.7619 | 49:16 | 49:16 | -1 | 0.950 | 260475 | 52396 | 398 | 995 | 132 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:04 | 54:04 | -2 | 1.043 | 158732 | 30953 | 311 | 777 | 100 | | |
| 475.7619 | 54:04 | 54:04 | -1 | 1.043 | 182962 | 36839 | 398 | 995 | 93 | 0.87(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:17 | | | | | | 80 | 200 | | | |
| 463.7216 | 49:17 | | | | | | 111 | 277 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:13 | | | | | | 80 | 200 | | | |
| 463.7216 | 50:13 | | | | | | 111 | 277 | | | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:03 | 54:03 | -3 | 1.000 | 122298 | 44510 | 80 | 200 | 556 | | M |
| | Empc Correction | | | | 39081 | 13382 | 80 | 200 | 167 | | |
| 463.7216 | 54:03 | 54:03 | -3 | 1.000 | 50755 | 17380 | 111 | 277 | 157 | 2.41(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:43 | 55:43 | -1 | 1.075 | 154604 | 26670 | 88 | 220 | 303 | | |
| 509.7229 | 55:43 | 55:43 | -1 | 1.075 | 217002 | 39824 | 74 | 185 | 538 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | Ma |
| 495.6856 | 55:44 | 55:44 | -2 | 1.000 | 5375 | 991 | 4 | 10 | 248 | | M |
| 497.6826 | 55:45 | 55:44 | -1 | 1.000 | 7911 | 1538 | 11 | 27 | 140 | 0.68(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

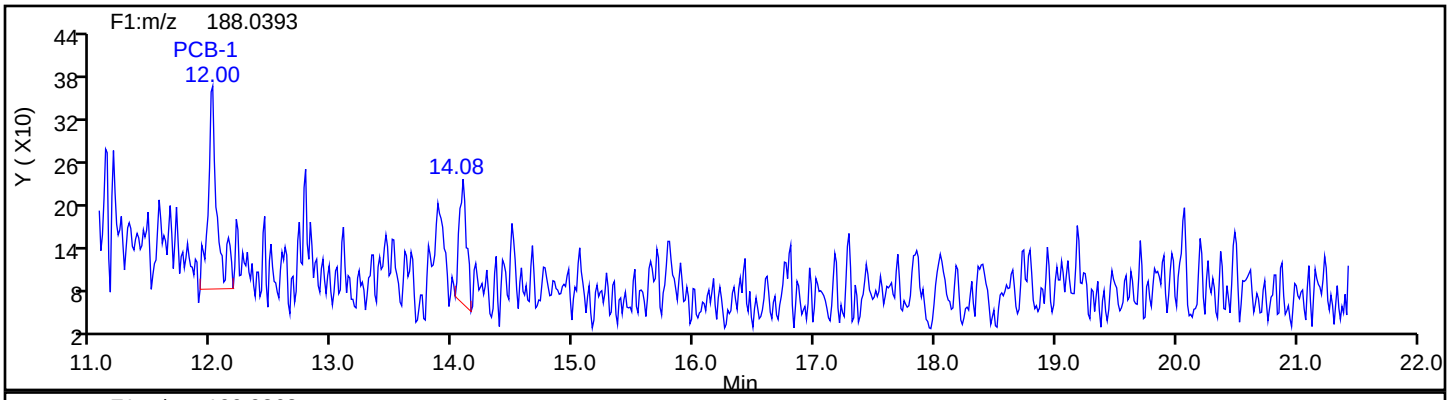
U - Marked Undetected

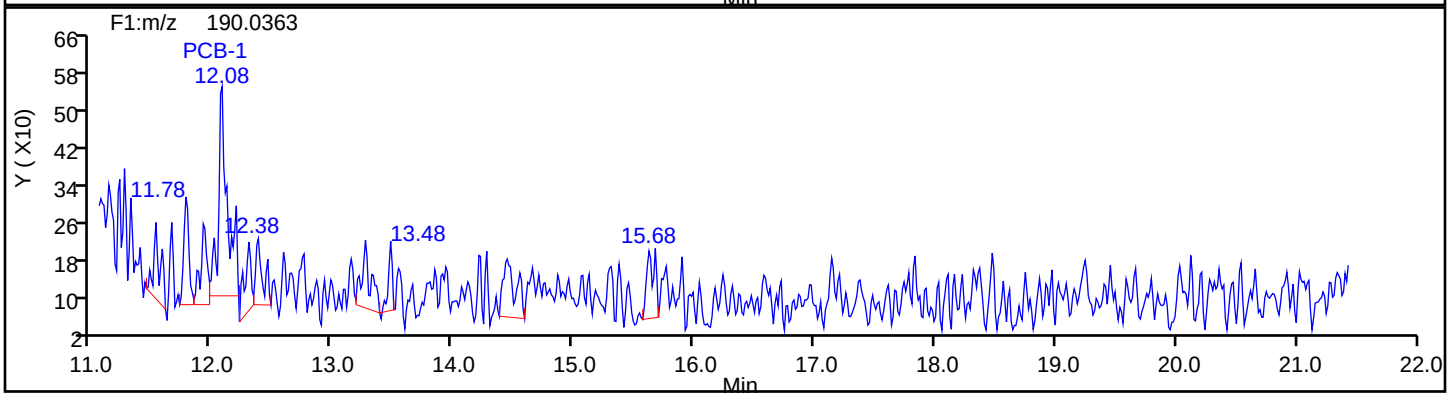
a - User Assigned ID

Eurofins TestAmerica, Knoxville

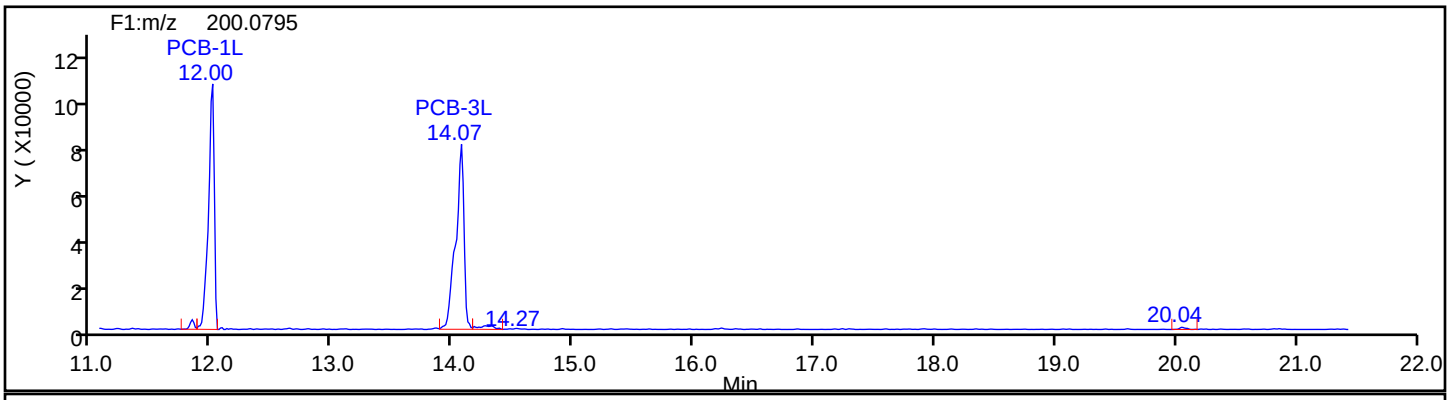
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

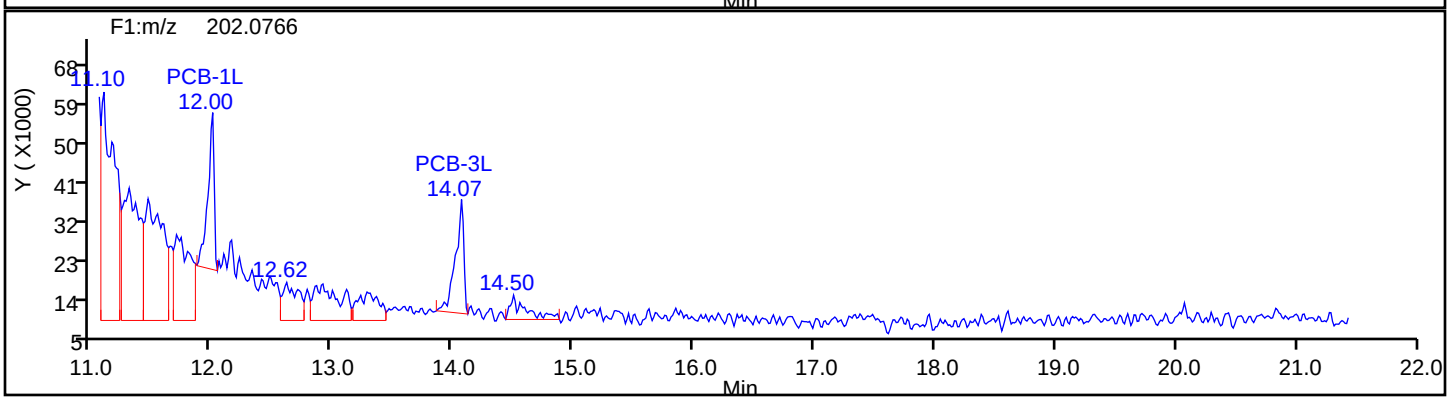
MoPCB F1




MoPCB F1 Standards

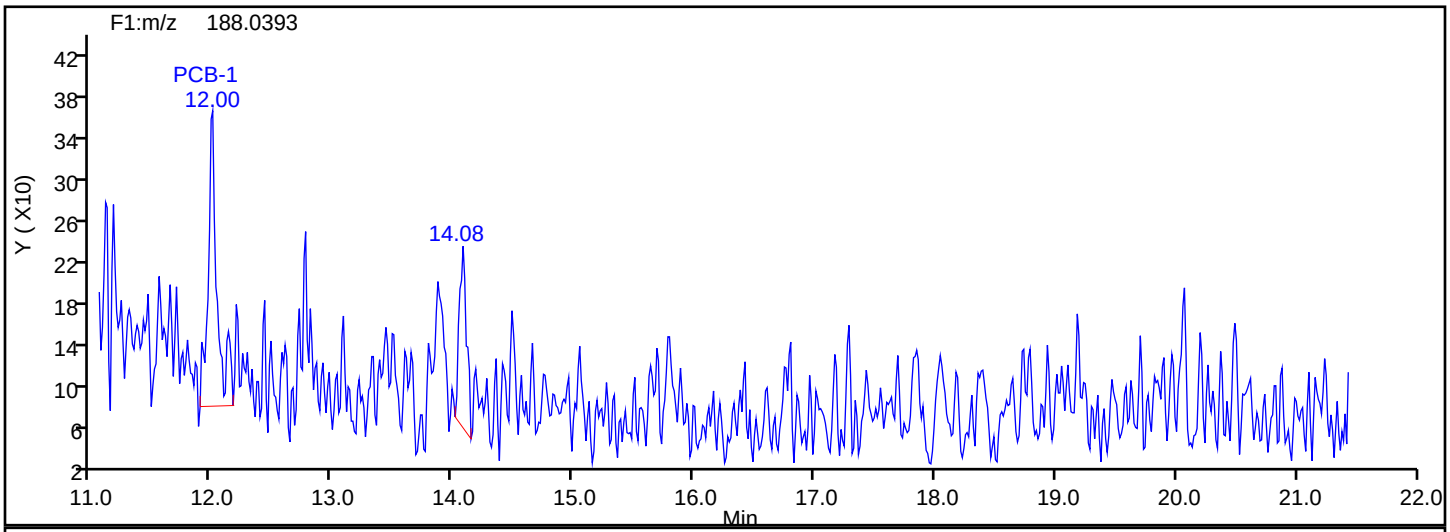


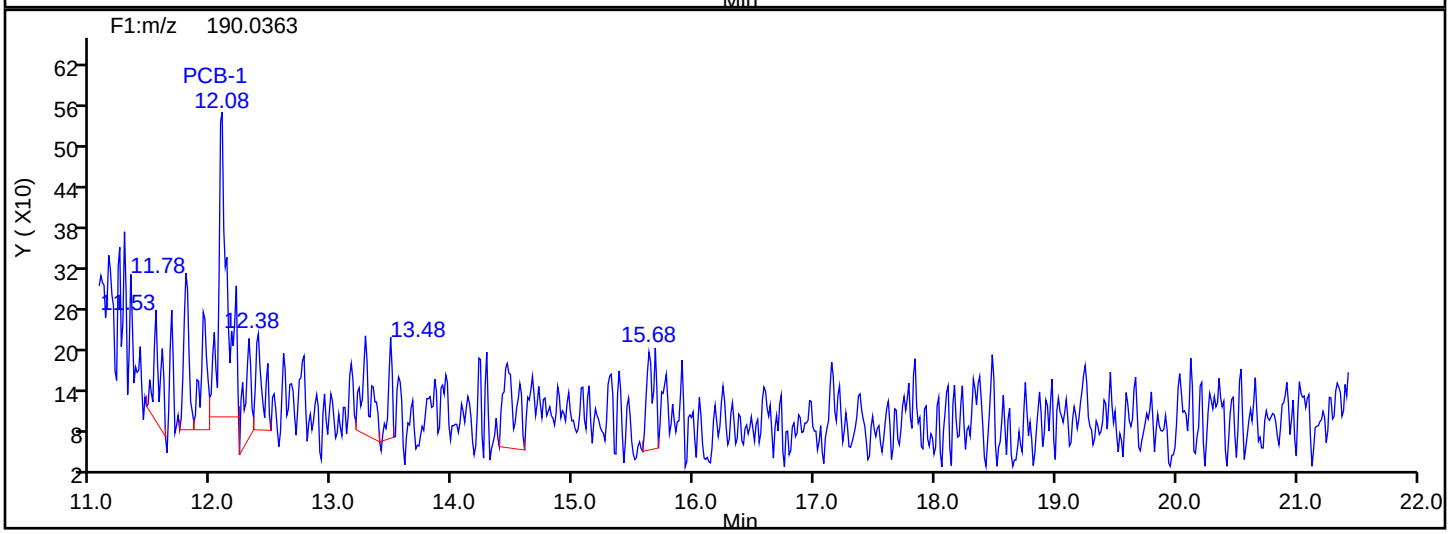



Eurofins TestAmerica, Knoxville

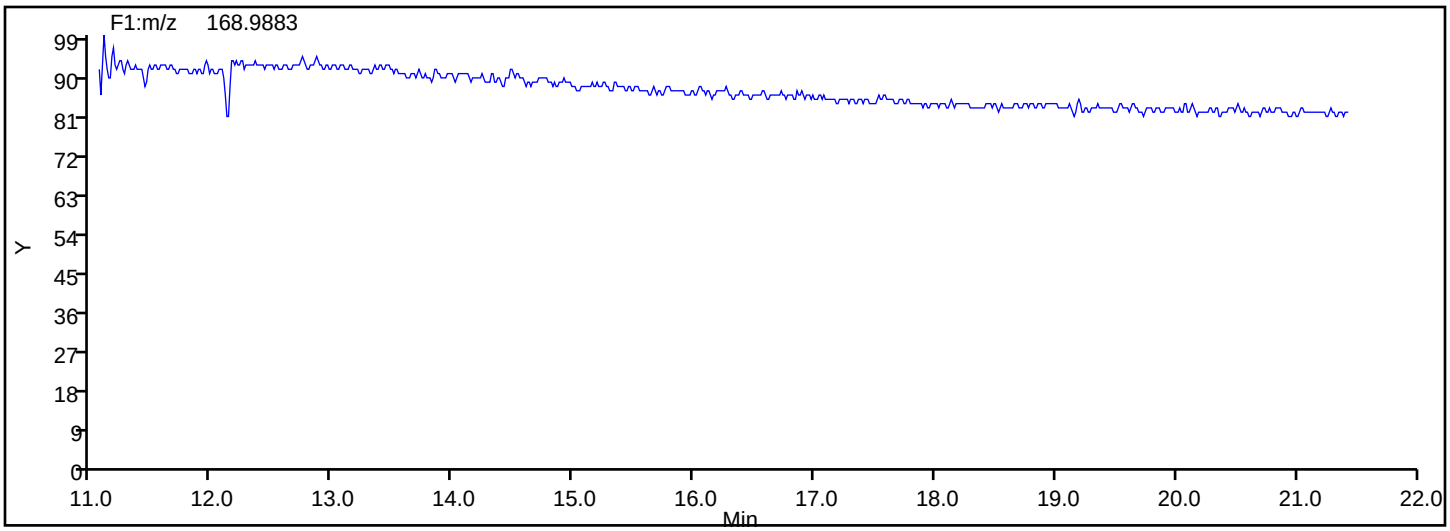
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

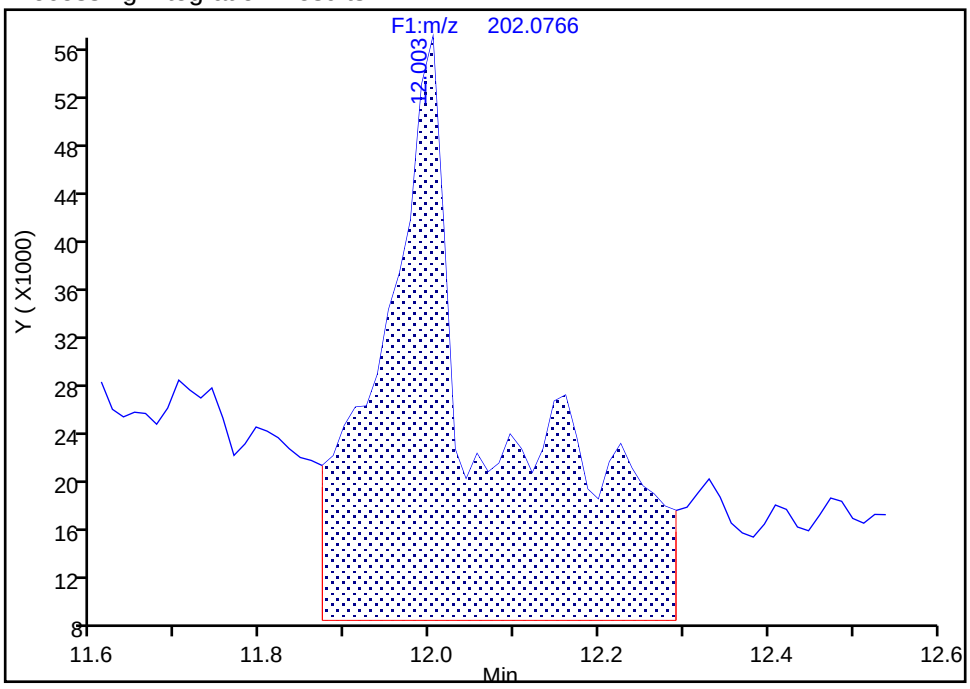
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

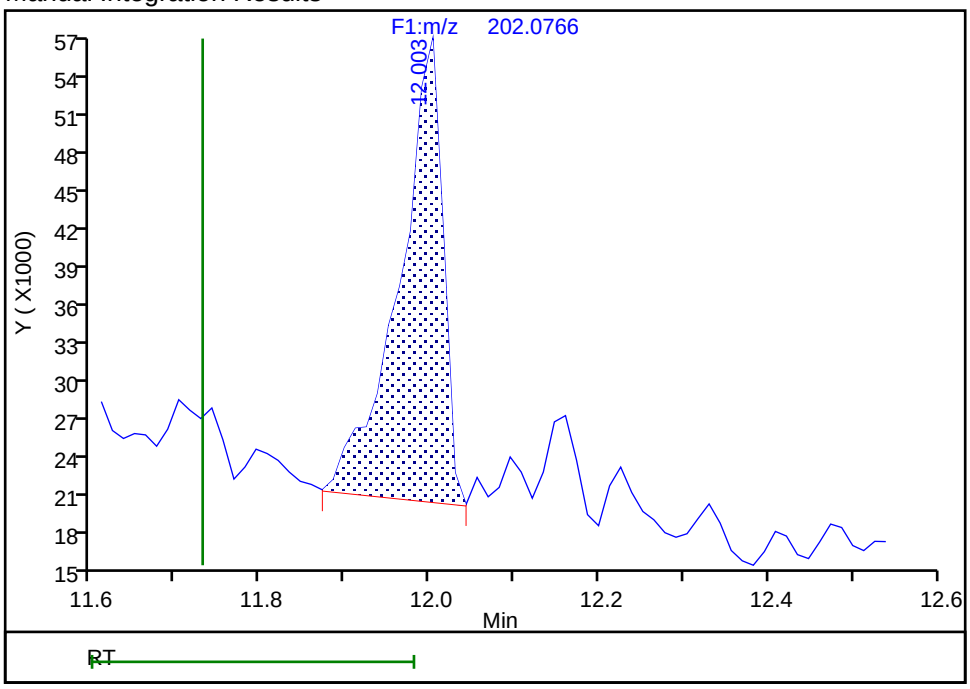
Processing Integration Results

RT: 12.00
Area: 448536
Amount: 20.869623
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 130236
Amount: 12.696976
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:34:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

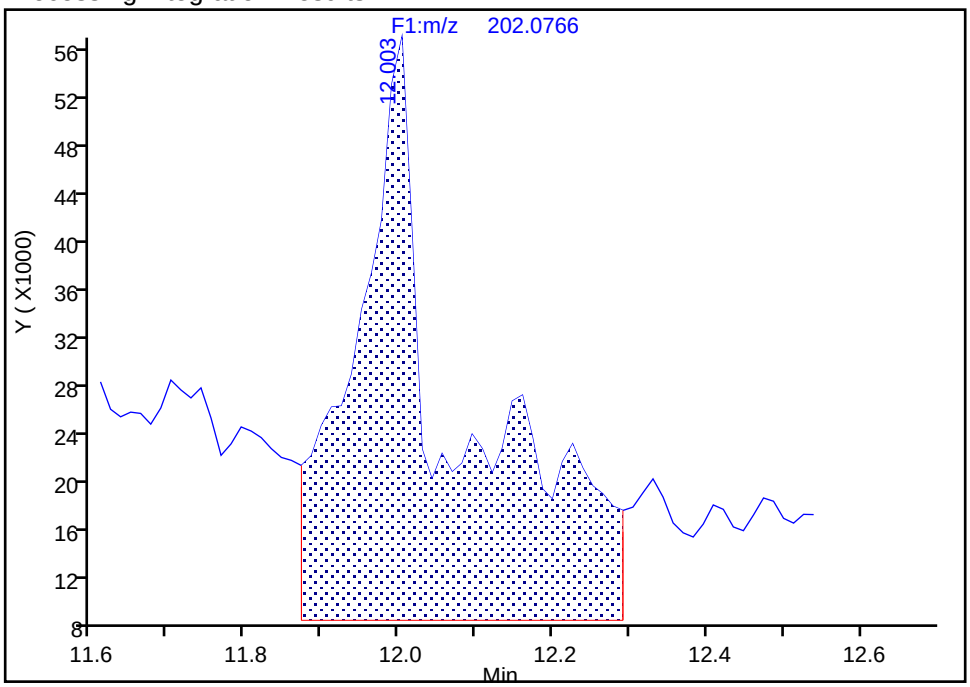
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 3

Processing Integration Results

RT: 12.00
Area: 812809
Amount: 20.869623
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 494509
Amount: 12.696976
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:34:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

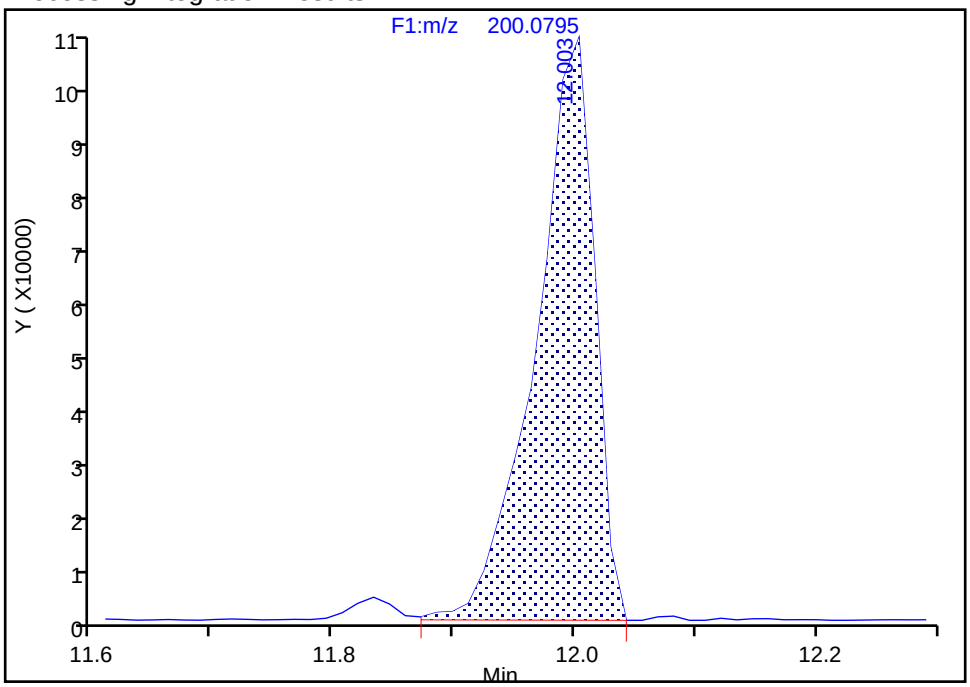
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

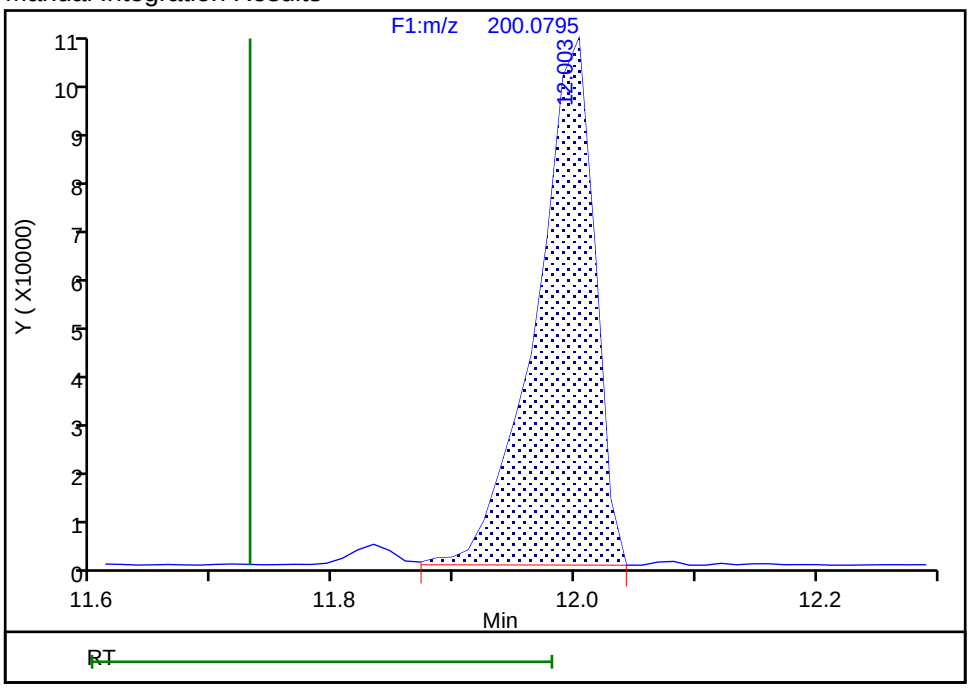
Processing Integration Results

RT: 12.00
Area: 364273
Amount: 20.869623
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 364273
Amount: 12.696976
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:34:24

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

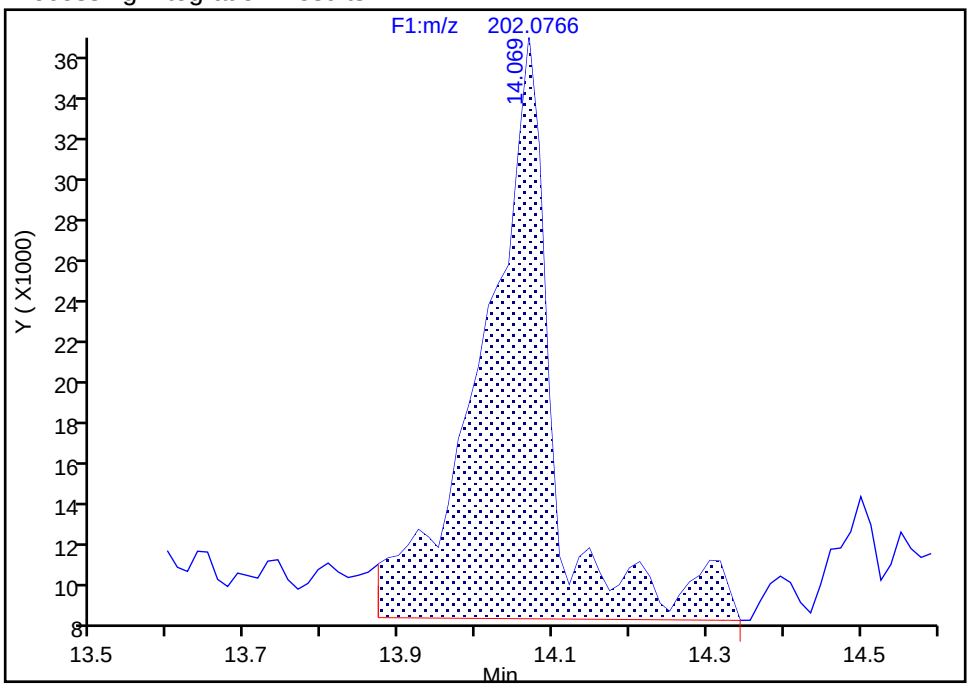
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 2

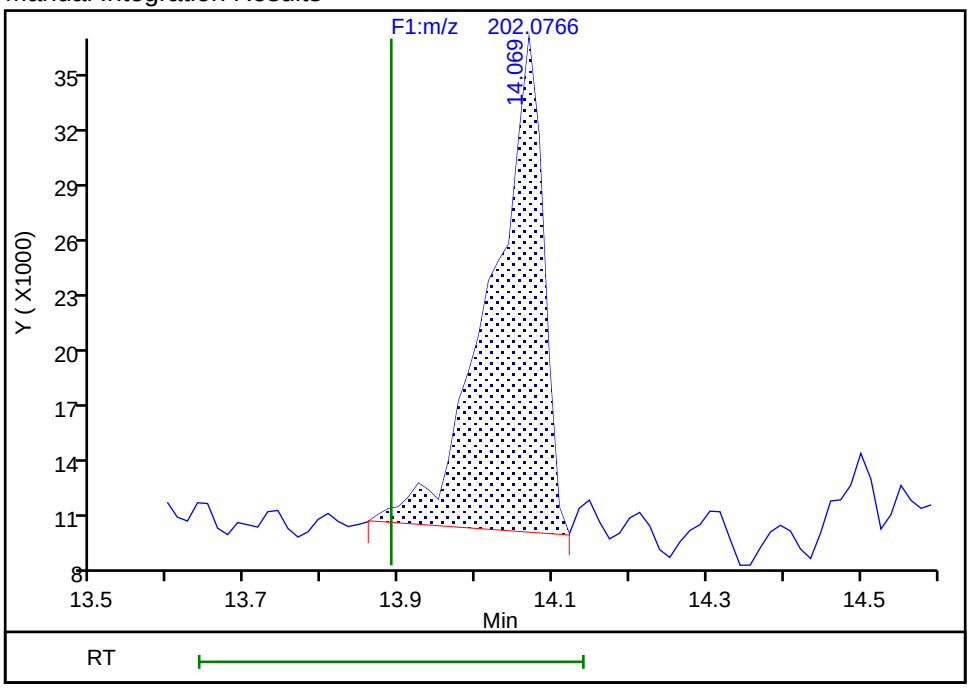
Processing Integration Results

RT: 14.07
Area: 179527
Amount: 14.103570
Amount Units: pg/ul




Manual Integration Results

RT: 14.07
Area: 125516
Amount: 12.765169
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:34:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

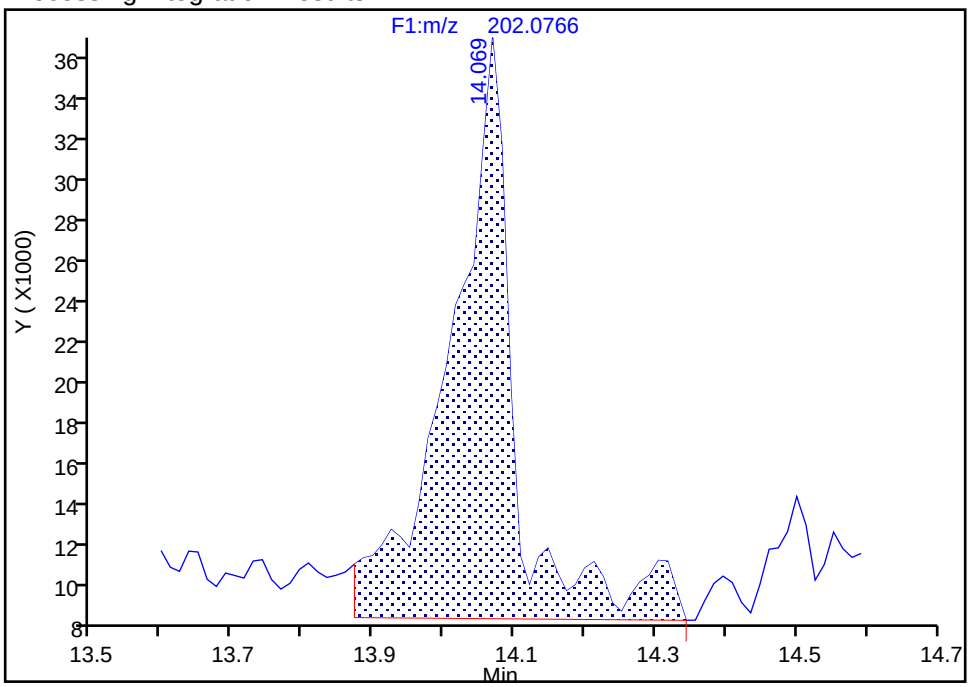
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 3

Processing Integration Results

RT: 14.07
Area: 569148
Amount: 14.103570
Amount Units: pg/ul




Manual Integration Results

RT: 14.07
Area: 515137
Amount: 12.765169
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:34:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

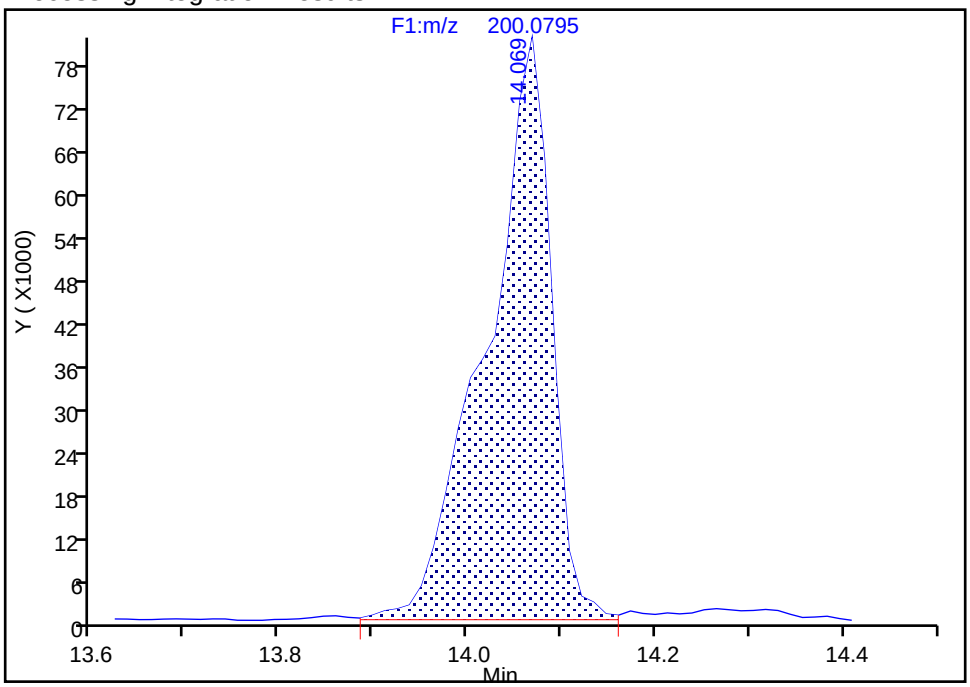
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 1

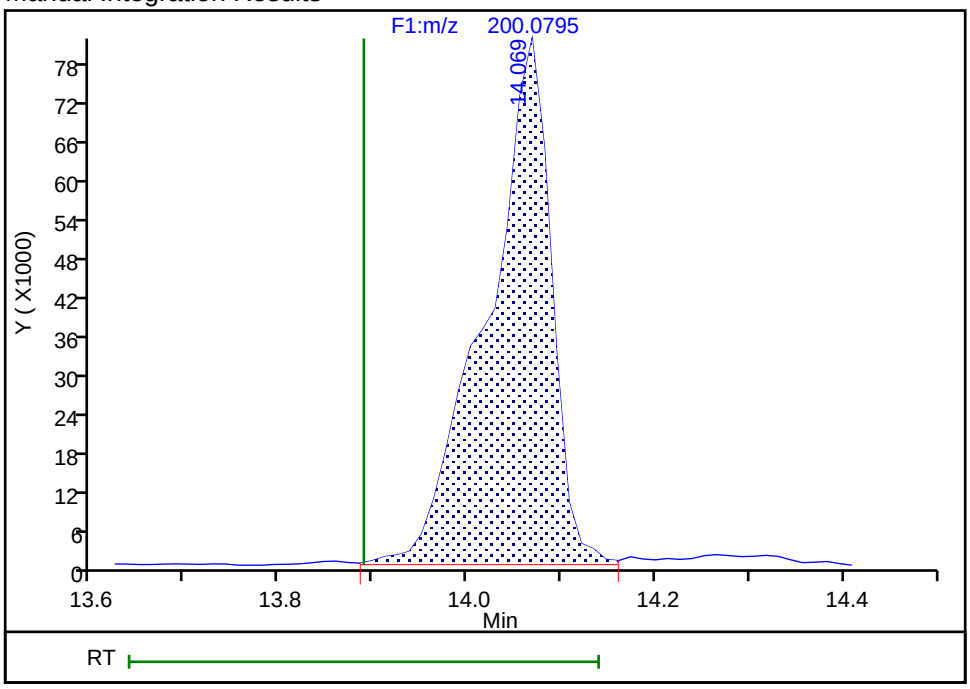
Processing Integration Results

RT: 14.07
Area: 389621
Amount: 14.103570
Amount Units: pg/ul




Manual Integration Results

RT: 14.07
Area: 389621
Amount: 12.765169
Amount Units: pg/ul



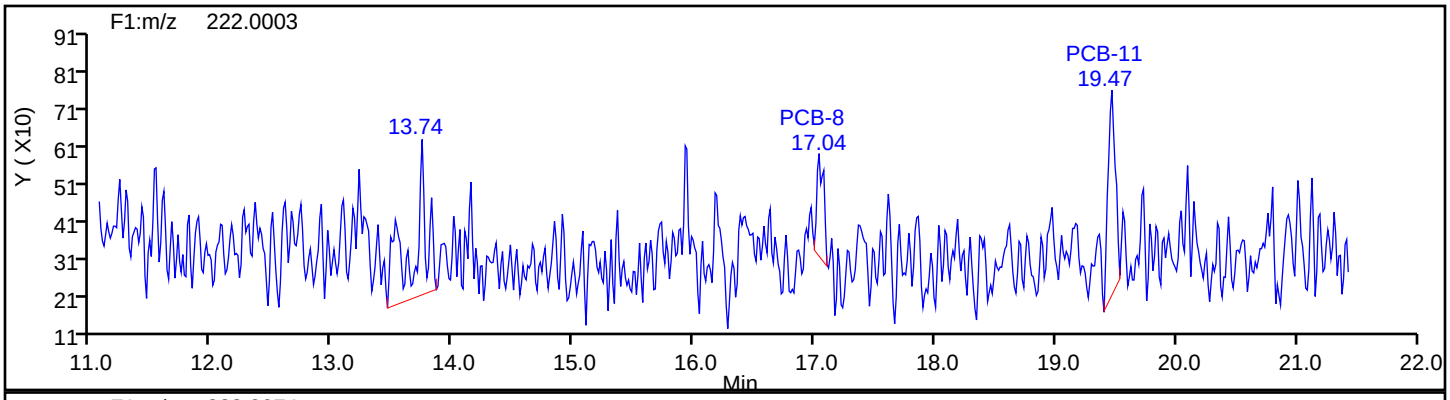

Reviewer: mcwhirterl, 04-Oct-2019 00:34:39
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

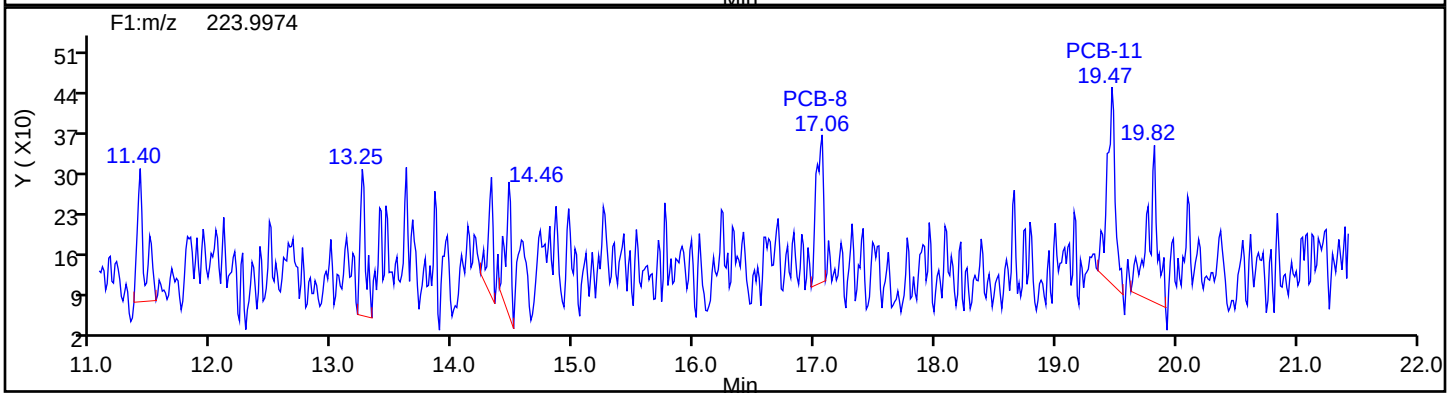
Report Date: 04-Oct-2019 00:45:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

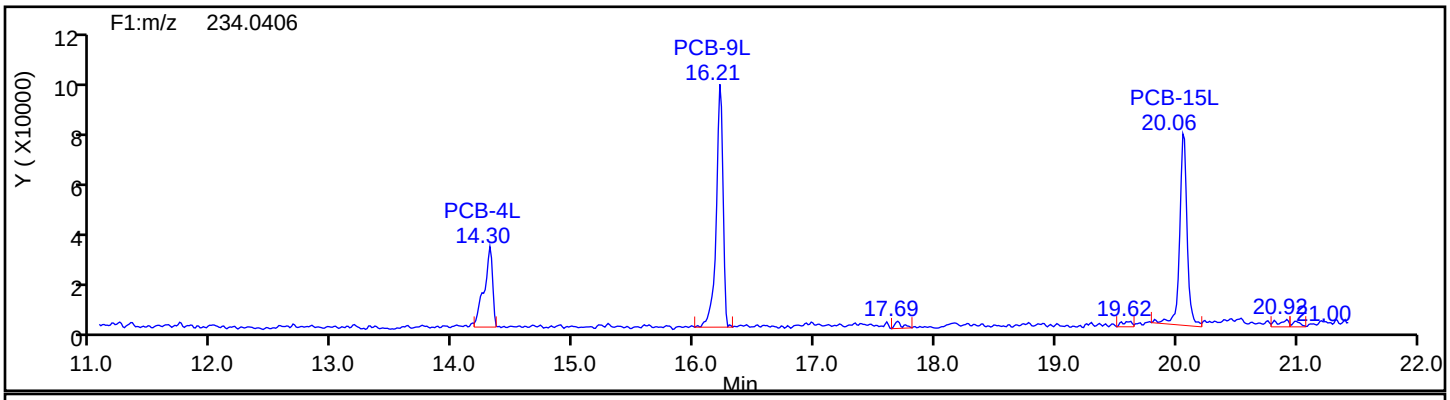
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

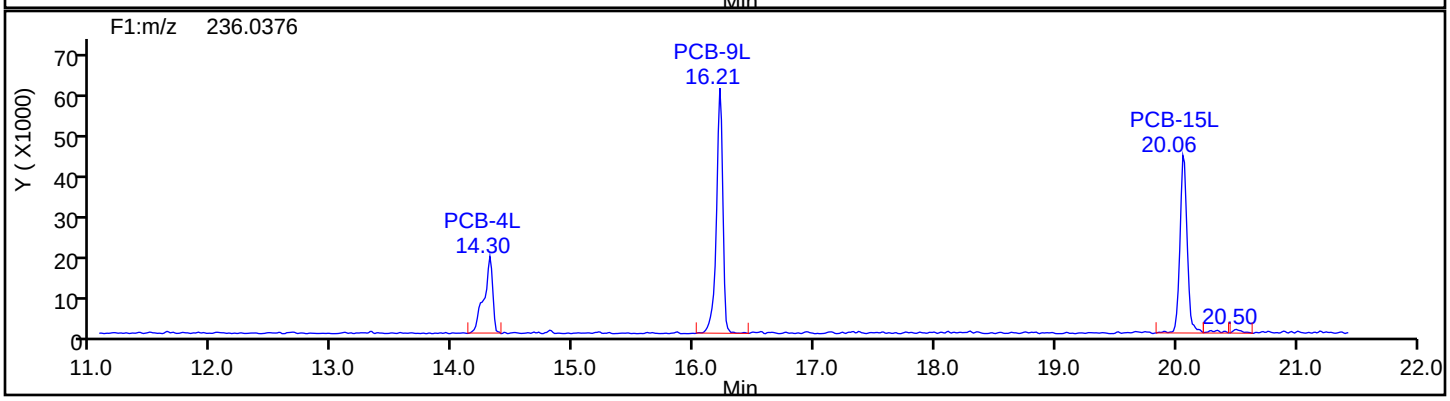
DiPCB F1




DiPCB F1 Standards

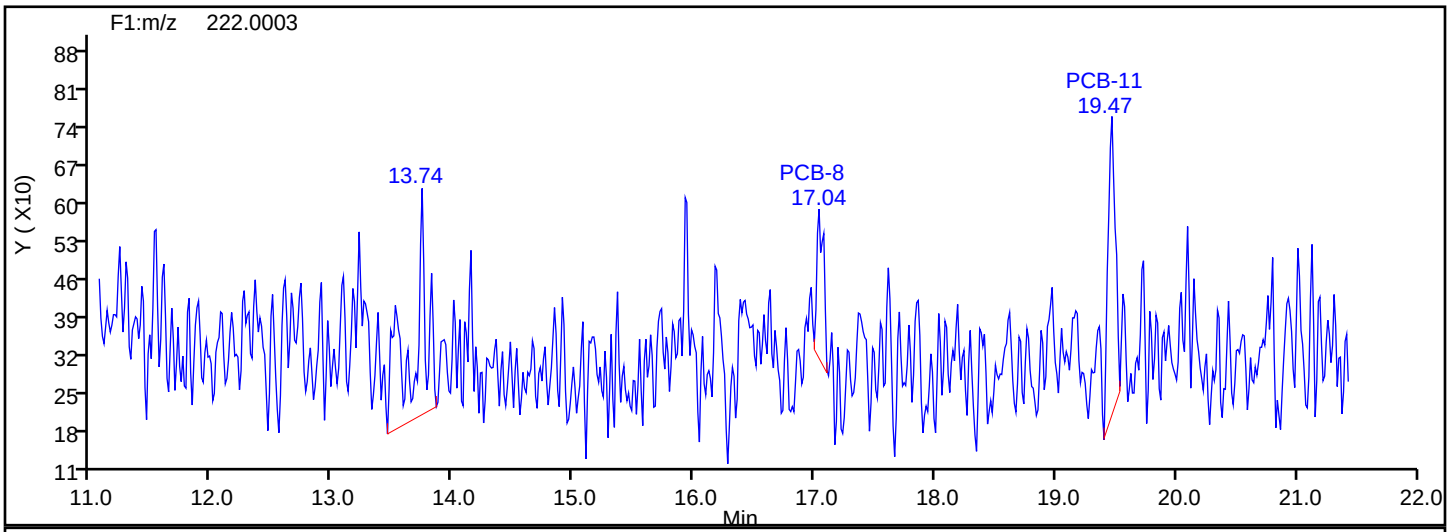


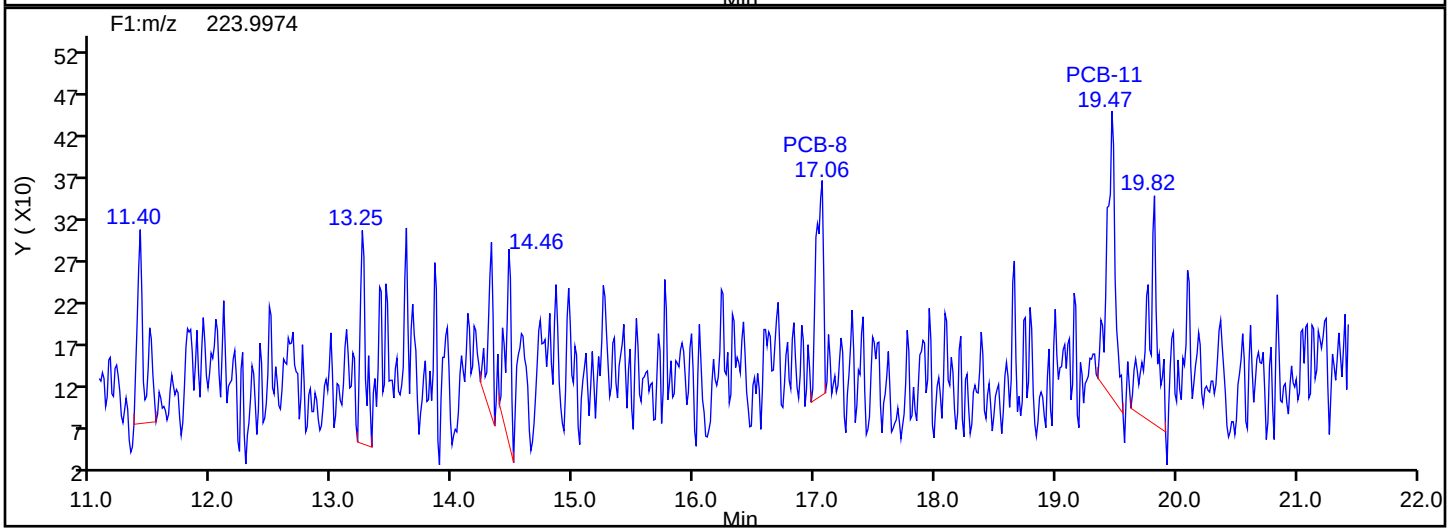



Eurofins TestAmerica, Knoxville

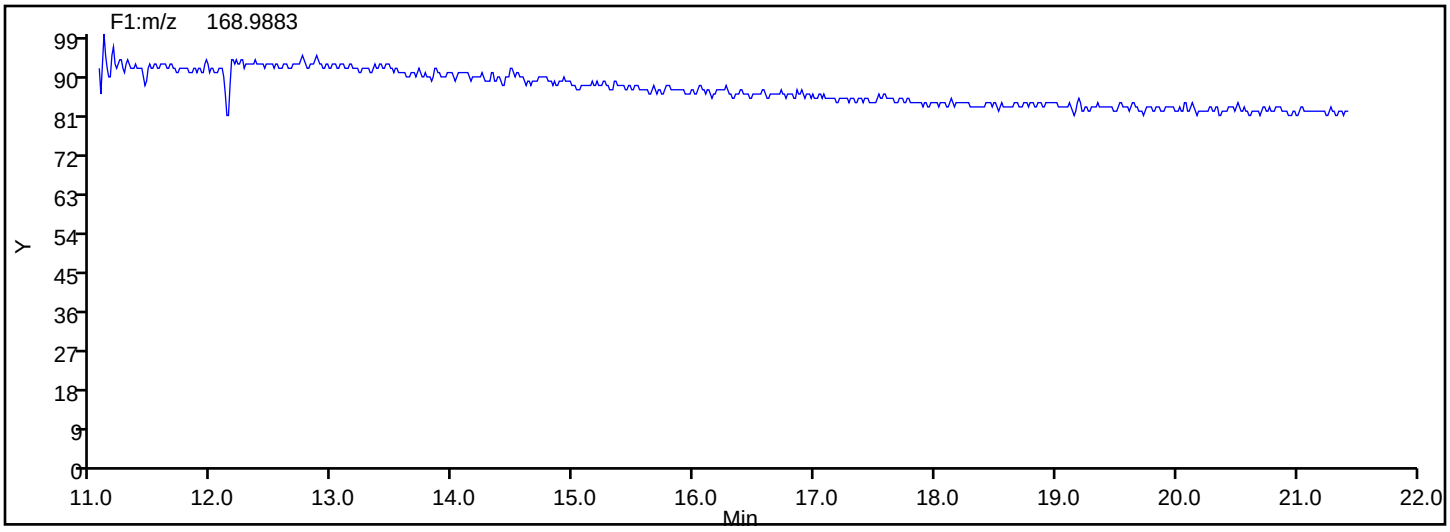
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

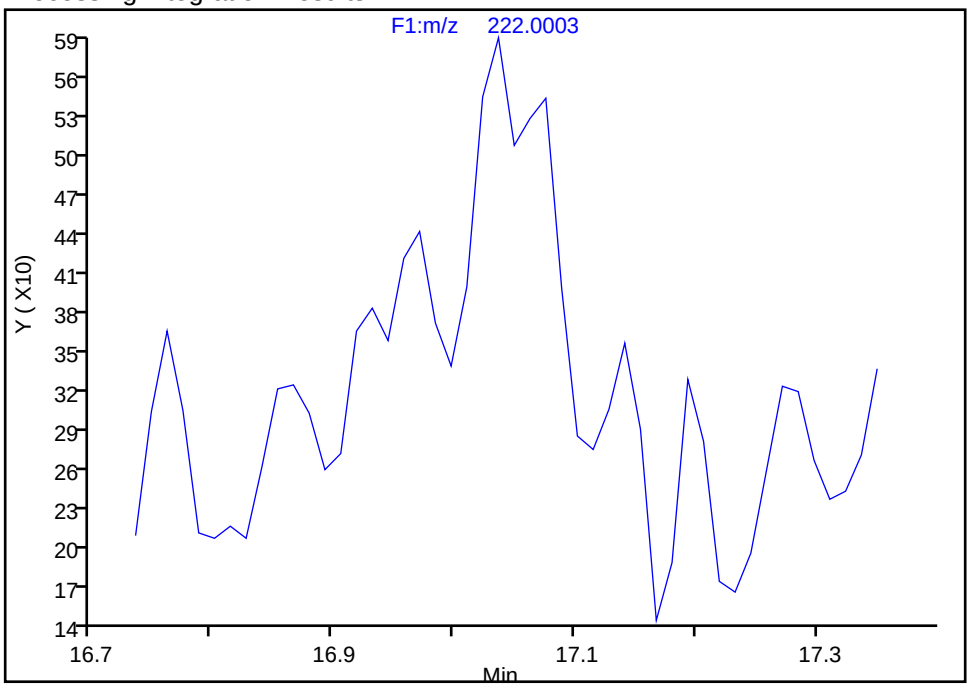
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

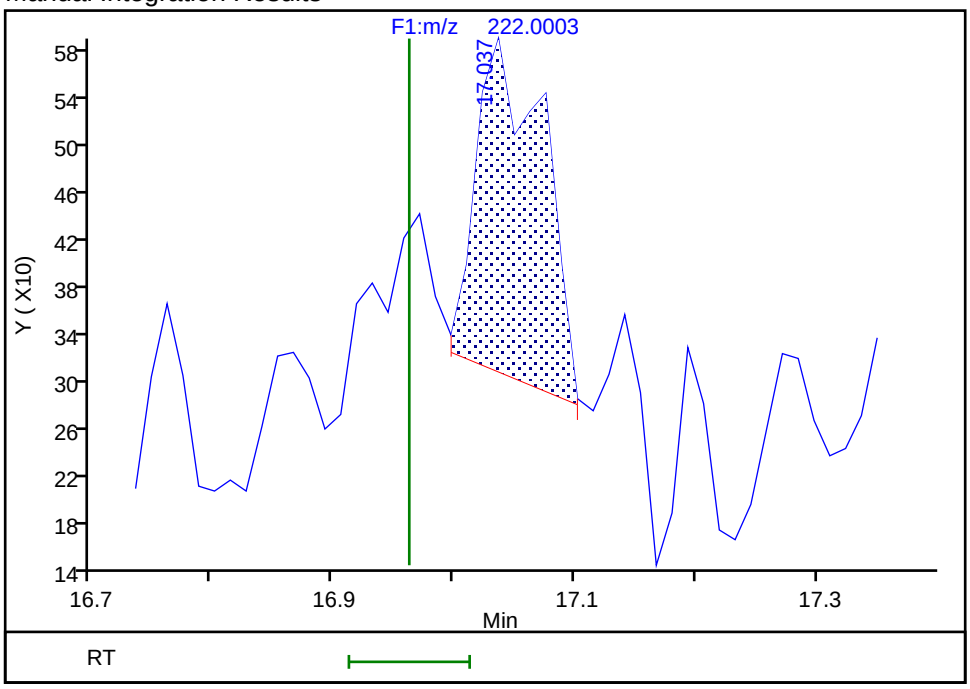
Not Detected
Expected RT: 16.96

Processing Integration Results




Manual Integration Results

RT: 17.04
Area: 1072
Amount: 0.070687
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:35:42
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

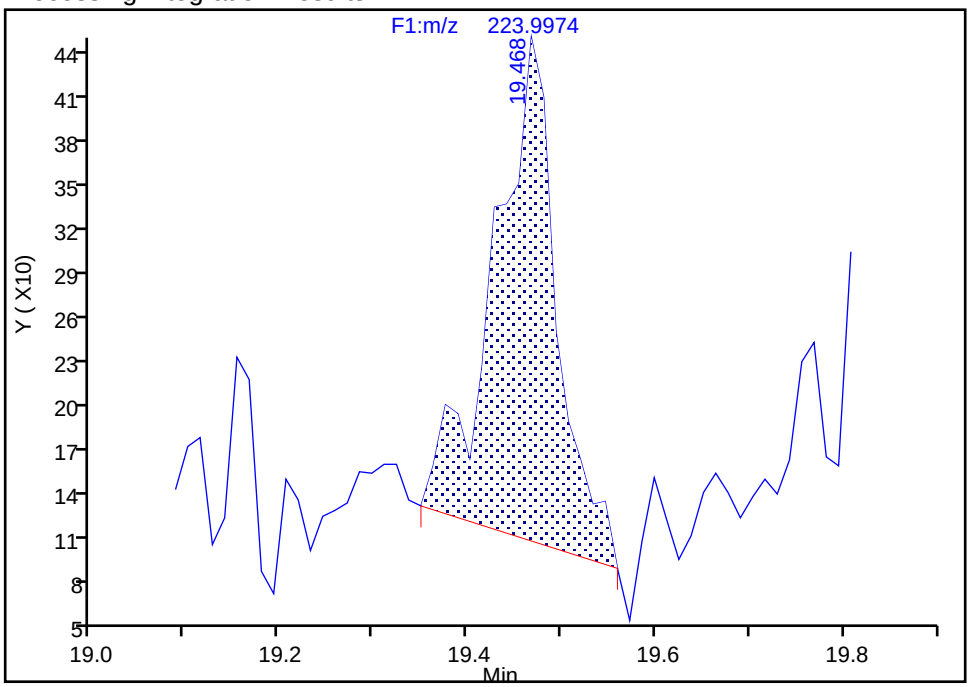
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

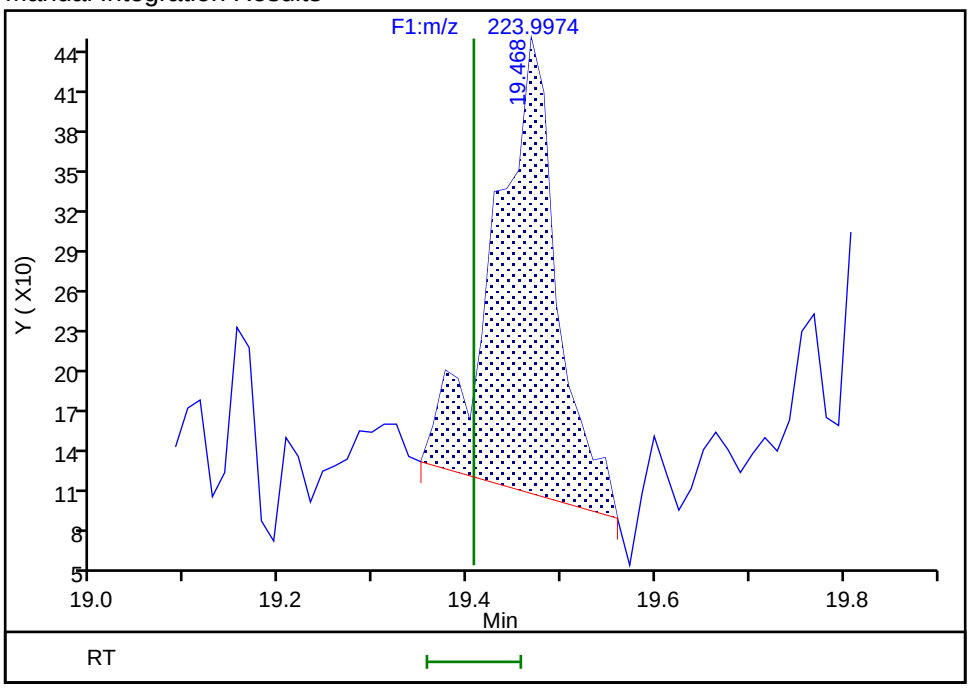
Processing Integration Results

RT: 19.47
Area: 1582
Amount: 0.092621
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 1582
Amount: 0.127613
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:35:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

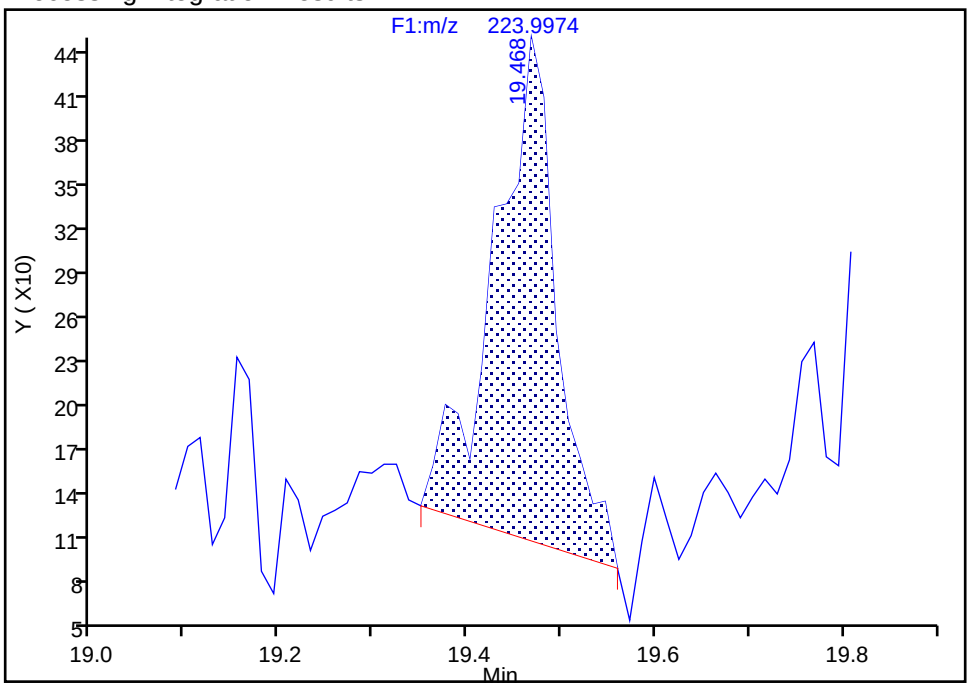
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 3

Processing Integration Results

RT: 19.47
Area: 2848
Amount: 0.092621
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 3924
Amount: 0.127613
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:35:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

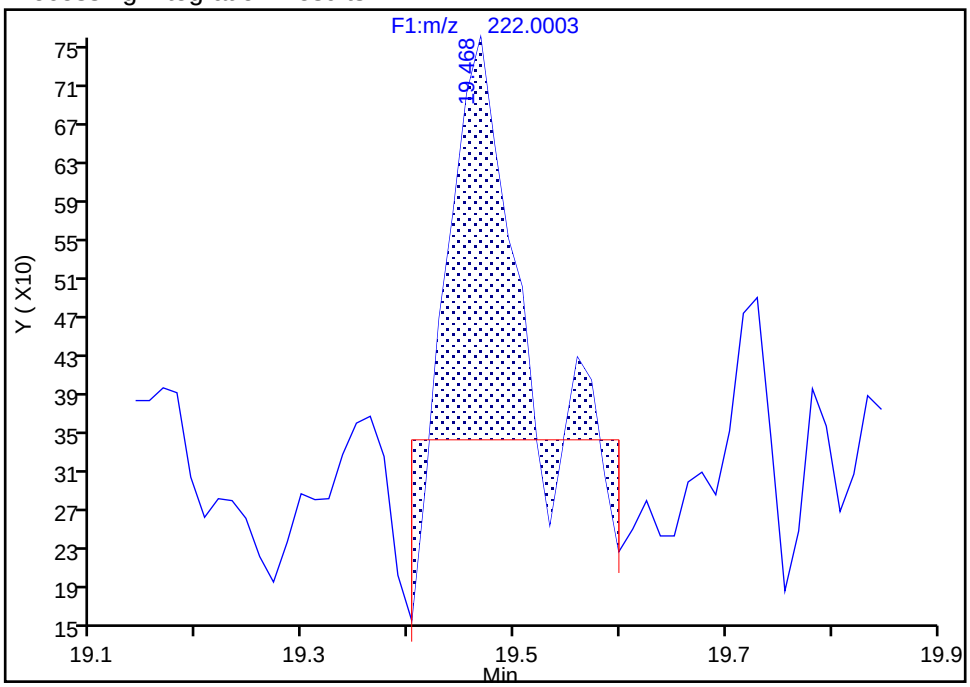
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

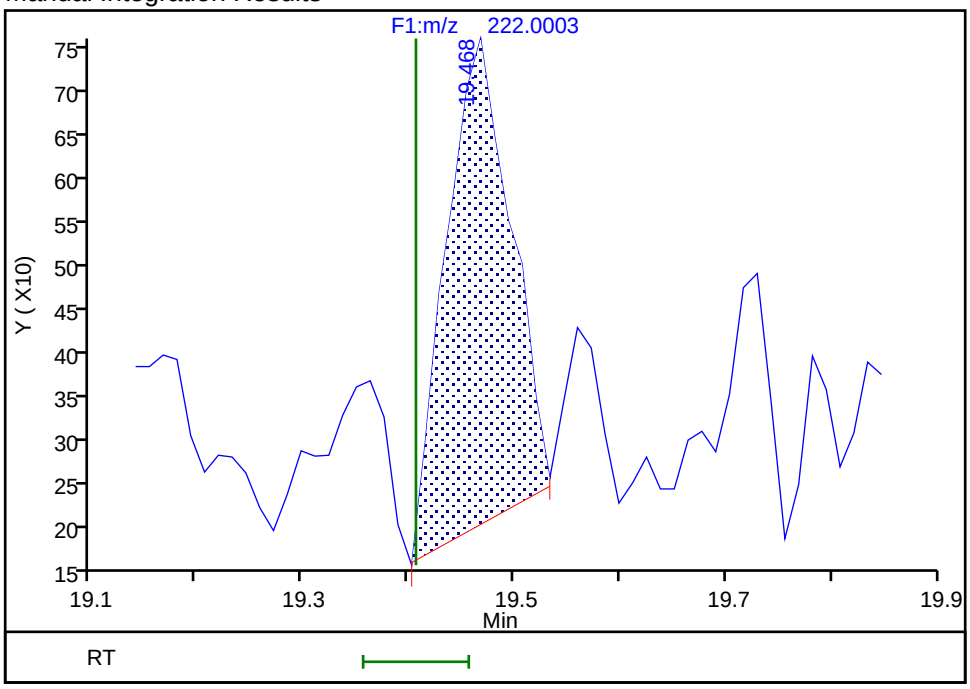
Processing Integration Results

RT: 19.47
Area: 1266
Amount: 0.092621
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 2342
Amount: 0.127613
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:35:56
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

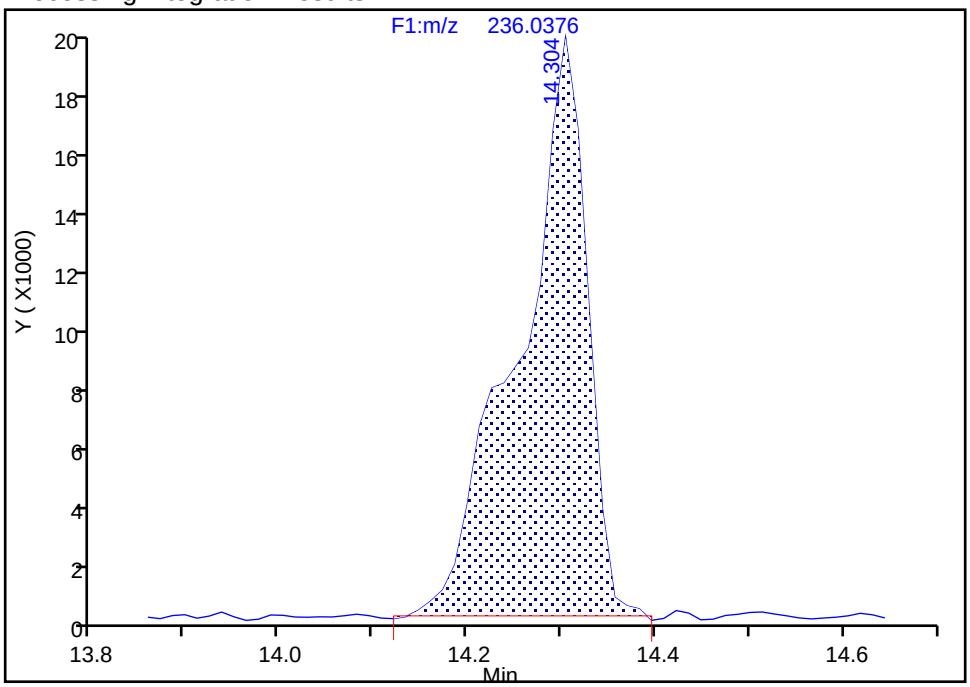
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4L, CAS: 234432-86-1

Signal: 2

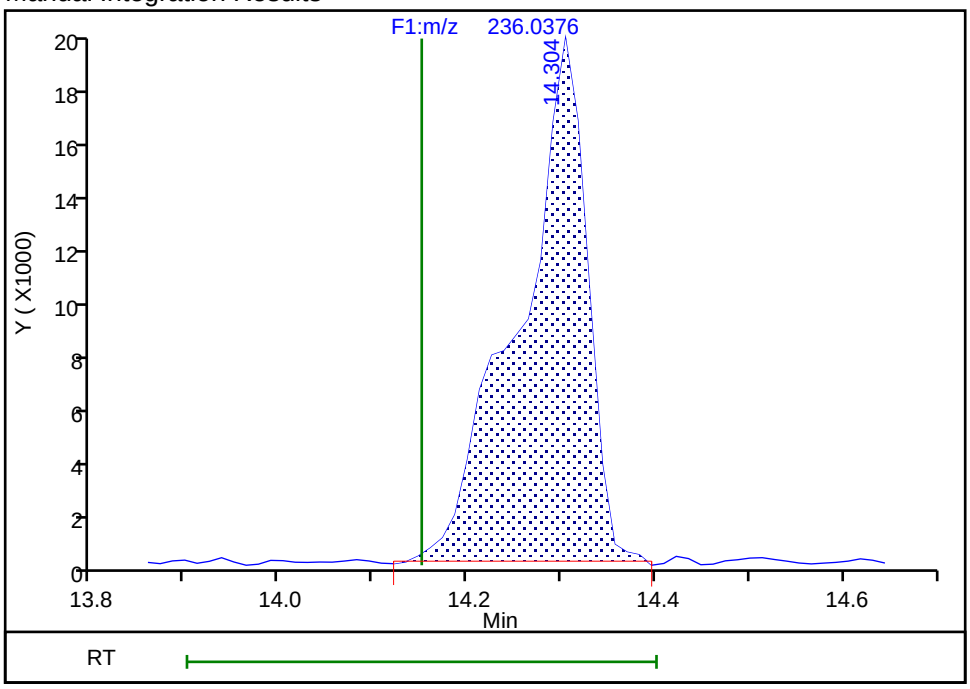
Processing Integration Results

RT: 14.30
Area: 96309
Amount: 11.810430
Amount Units: pg/ul




Manual Integration Results

RT: 14.30
Area: 96309
Amount: 13.877460
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:35:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

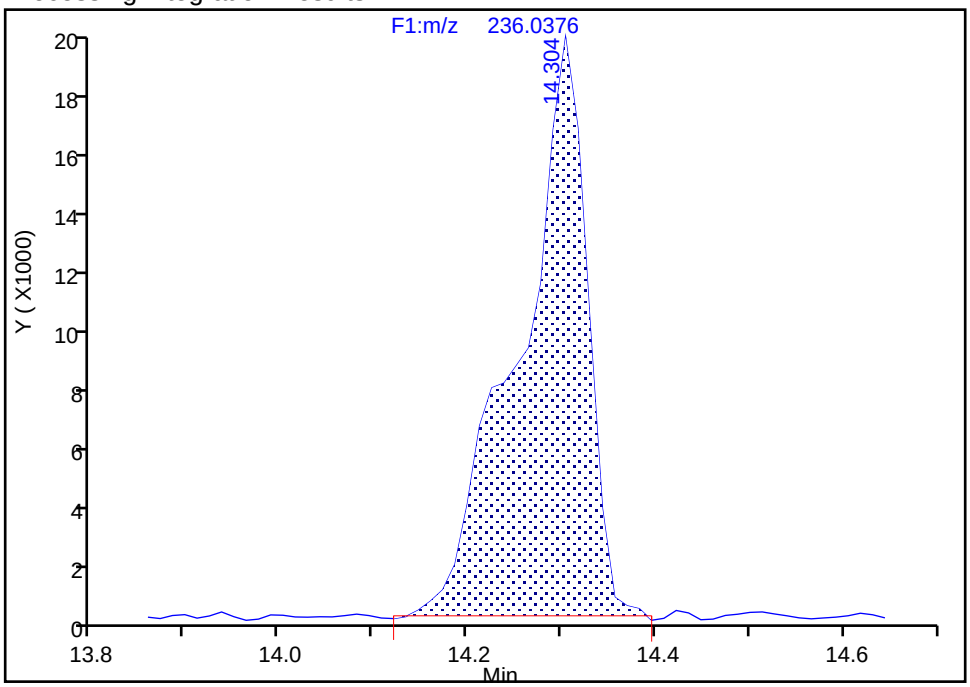
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4L, CAS: 234432-86-1

Signal: 3

Processing Integration Results

RT: 14.30
Area: 209882
Amount: 11.810430
Amount Units: pg/ul




Manual Integration Results

RT: 14.30
Area: 246615
Amount: 13.877460
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:35:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

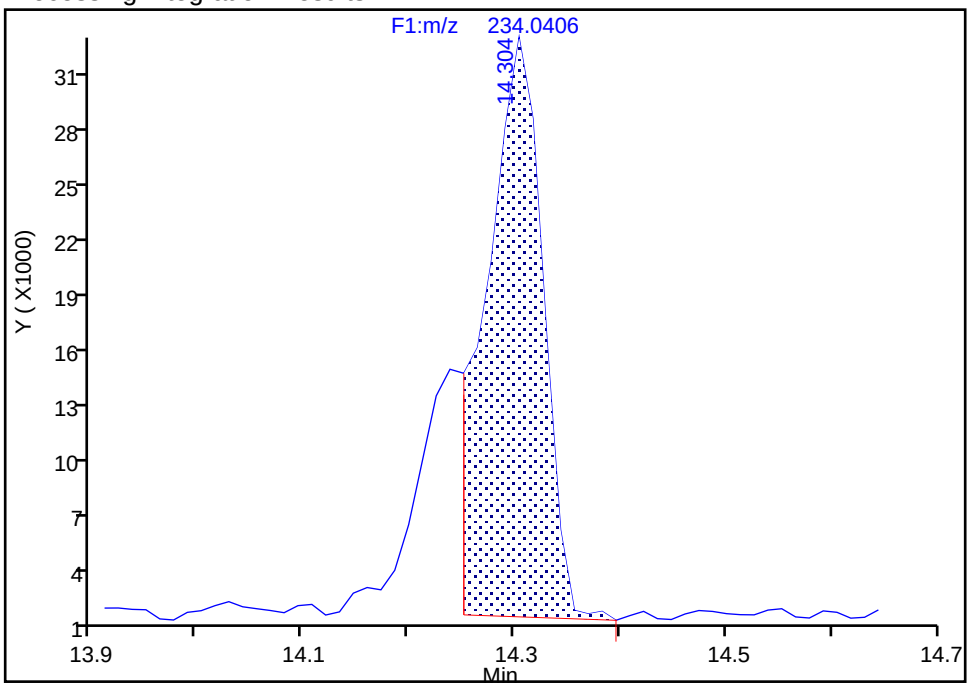
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4L, CAS: 234432-86-1

Signal: 1

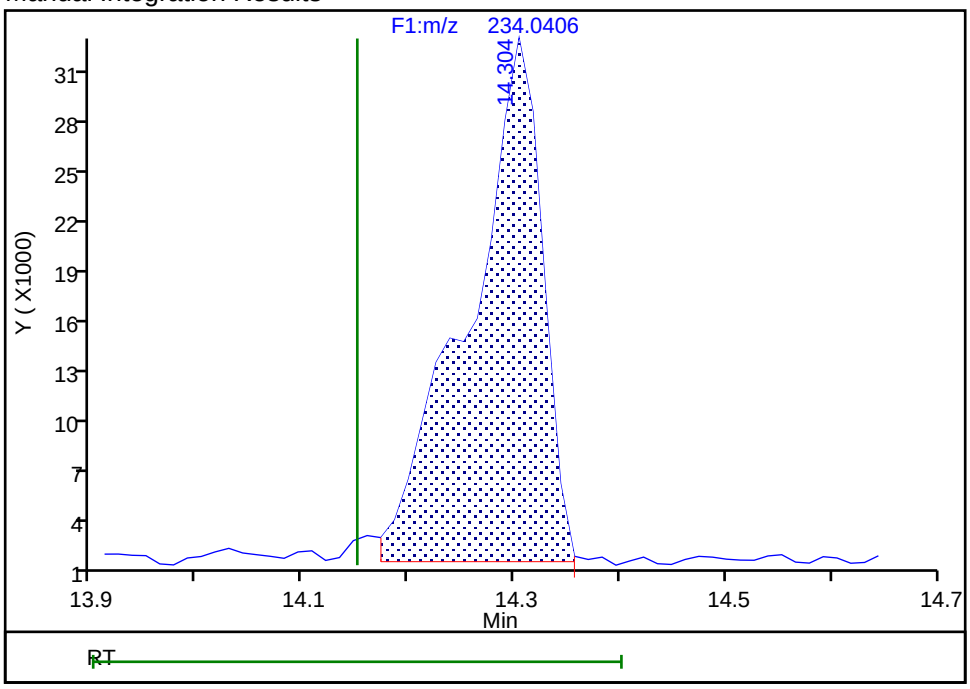
Processing Integration Results

RT: 14.30
Area: 113573
Amount: 11.810430
Amount Units: pg/ul




Manual Integration Results

RT: 14.30
Area: 150306
Amount: 13.877460
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:35:07

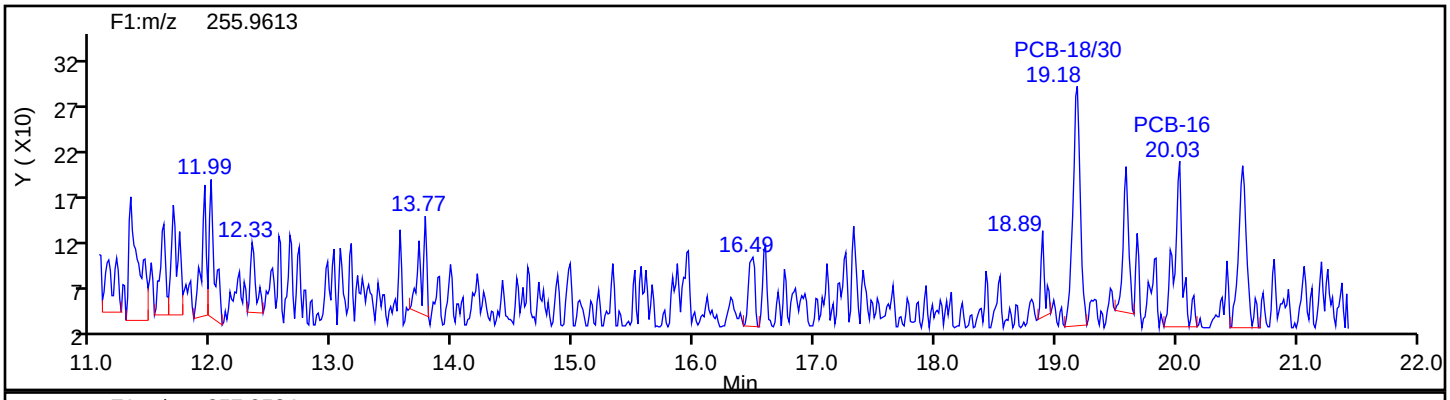
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

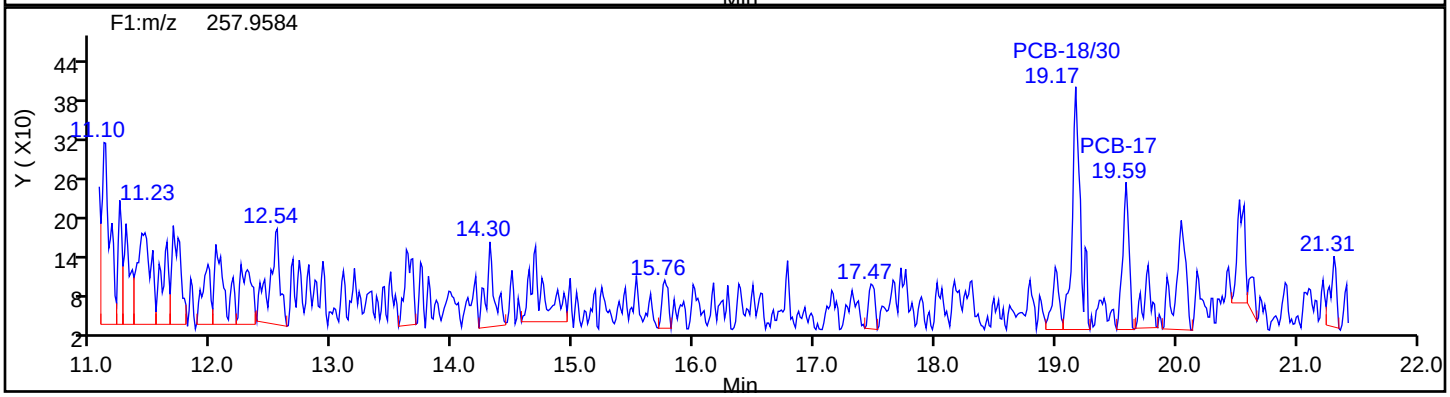
Report Date: 04-Oct-2019 00:45:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

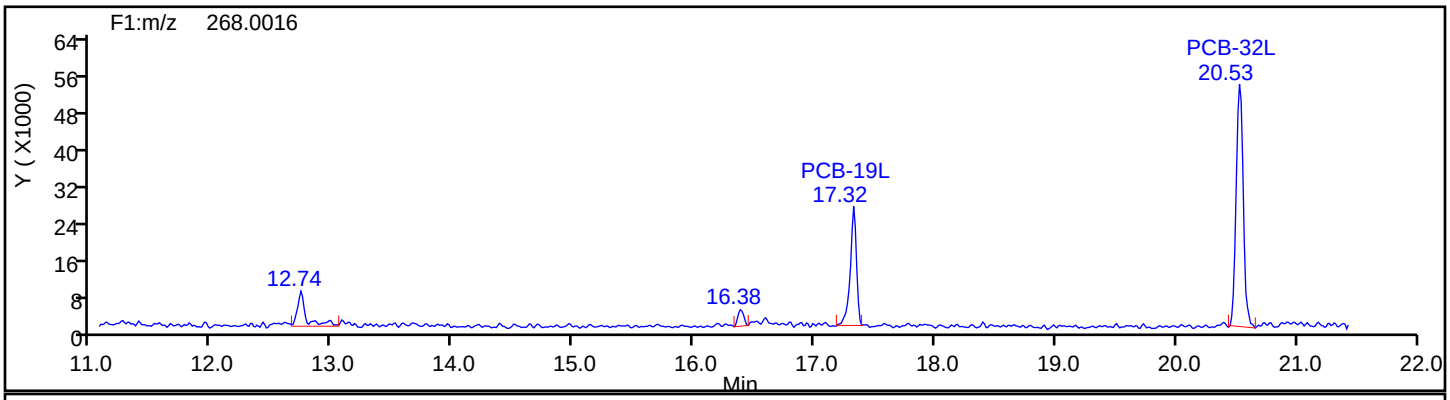
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

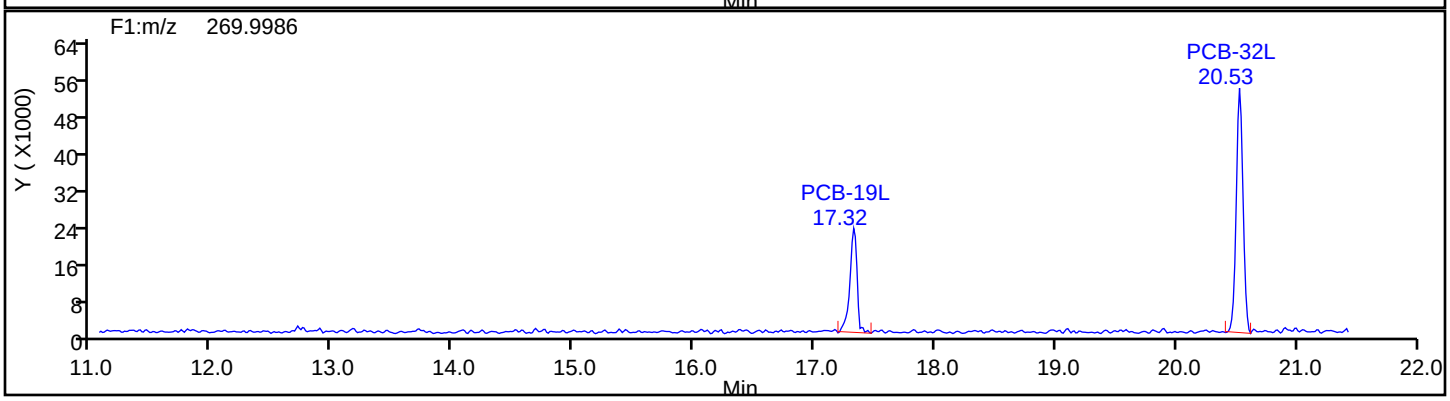
TriPCB F1




TriPCB F1 Standards

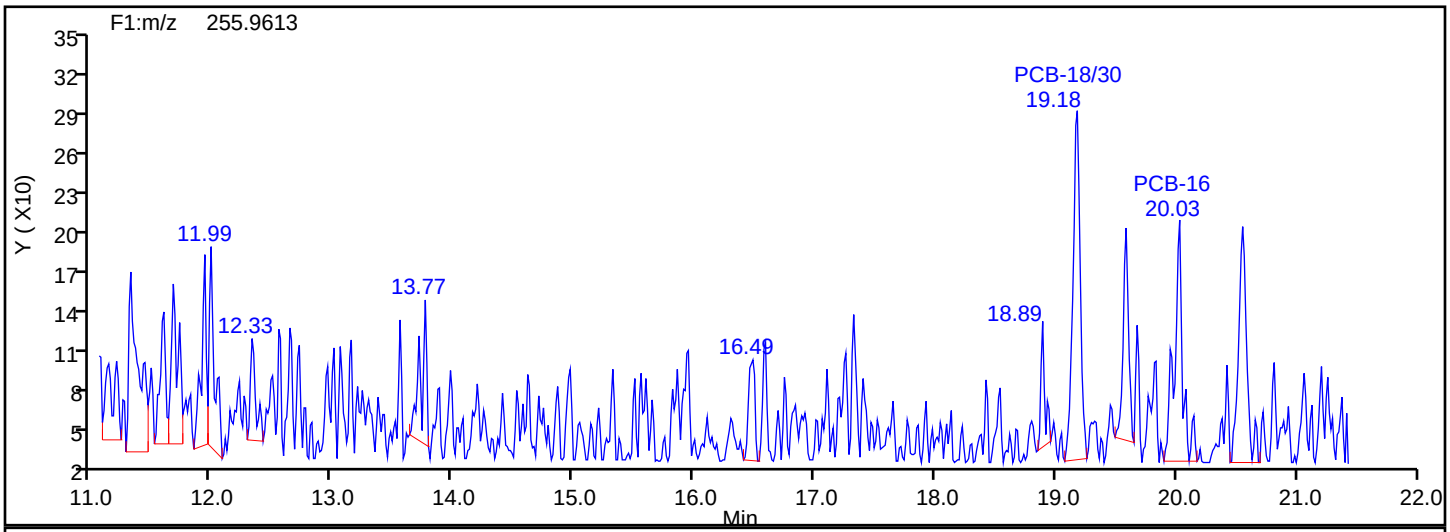


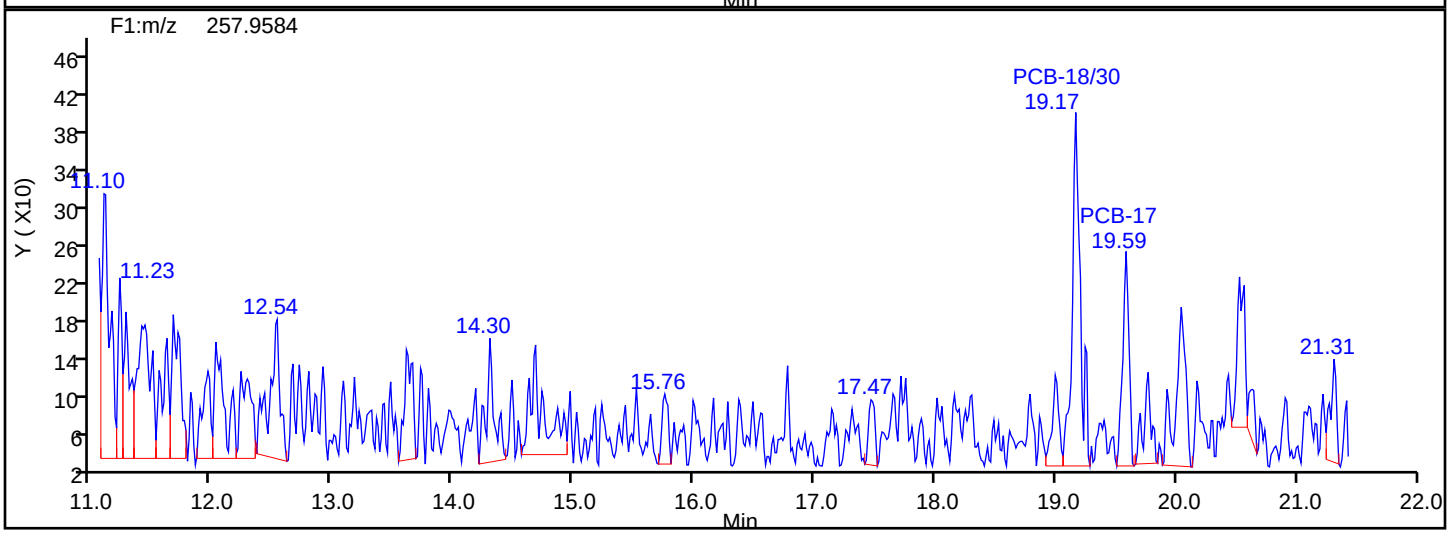



Eurofins TestAmerica, Knoxville

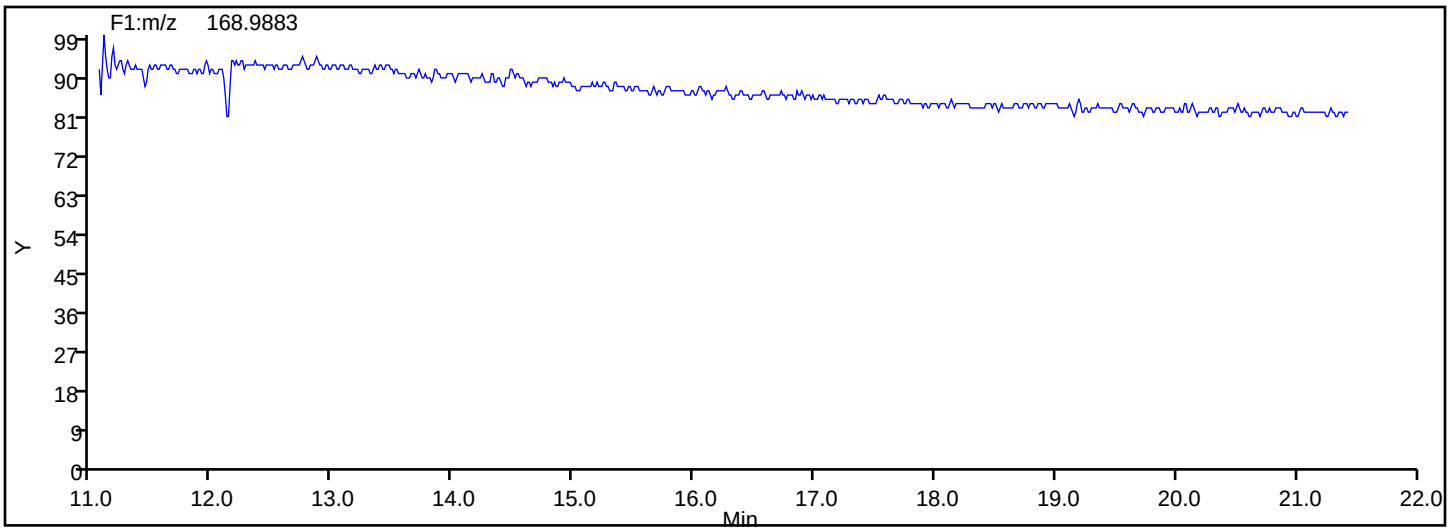
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

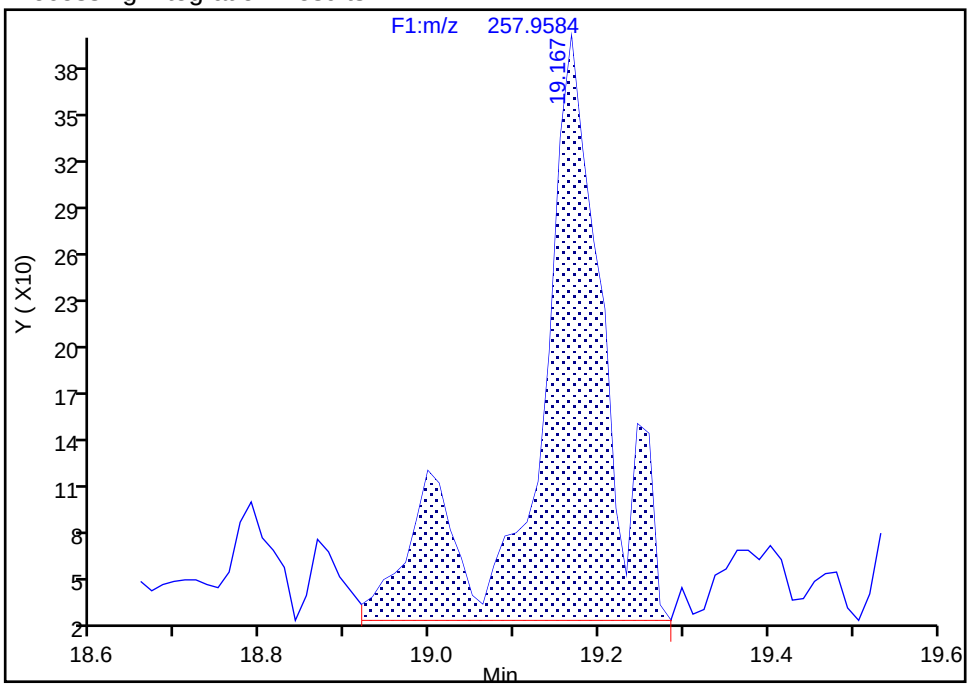
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-18/30, CAS: STL01798

Signal: 2

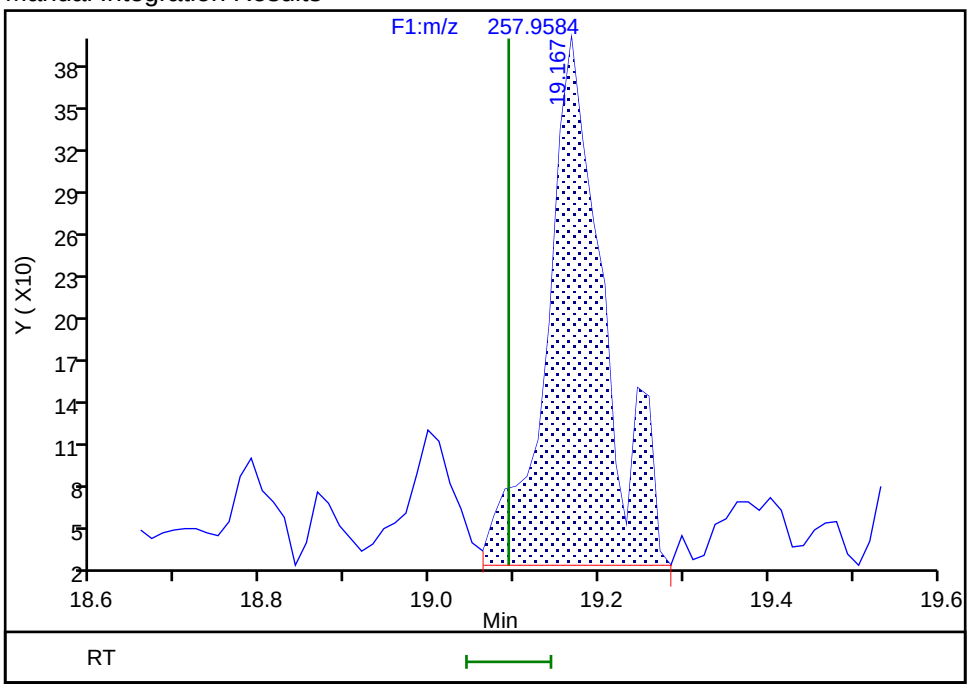
Processing Integration Results

RT: 19.17
Area: 2145
Amount: 0.189488
Amount Units: pg/ul




Manual Integration Results

RT: 19.17
Area: 1769
Amount: 0.167565
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:36:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

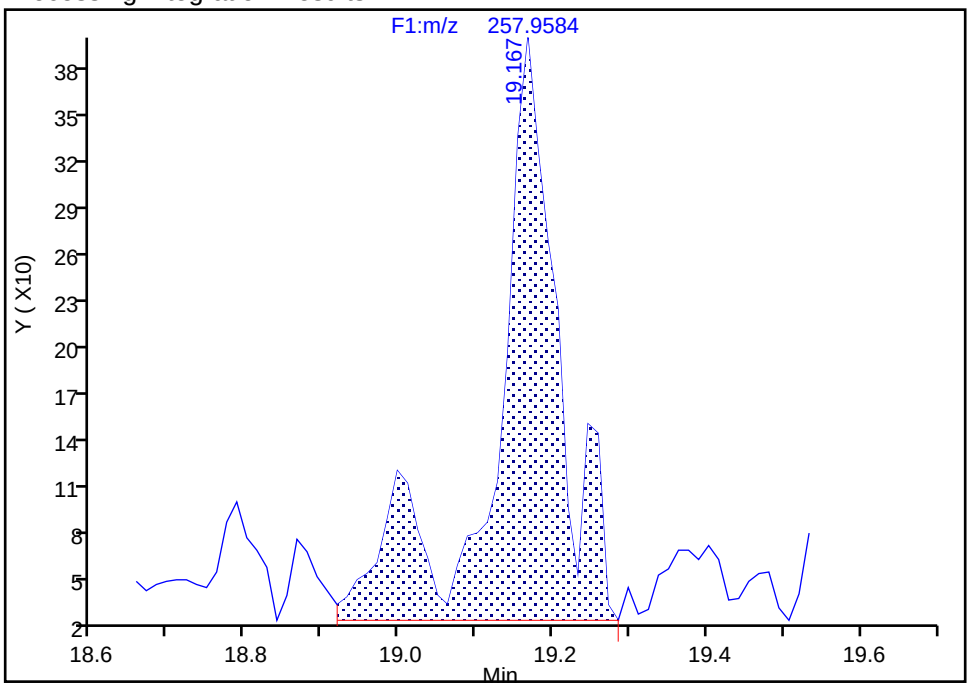
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-18/30, CAS: STL01798

Signal: 3

Processing Integration Results

RT: 19.18
Area: 3250
Amount: 0.189488
Amount Units: pg/ul




Manual Integration Results

RT: 19.18
Area: 2874
Amount: 0.167565
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:36:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

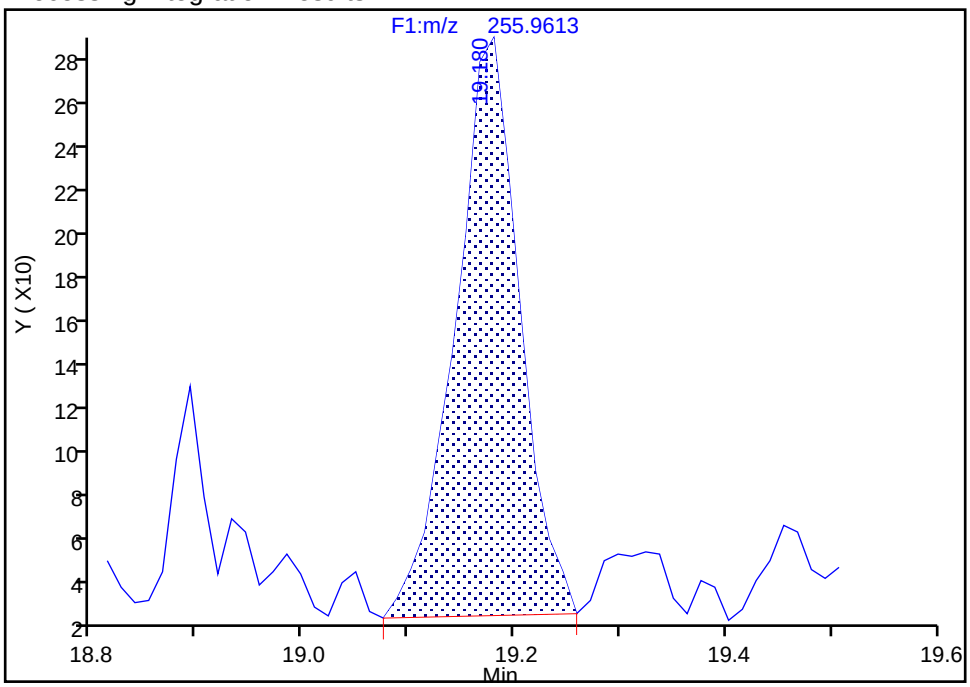
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-18/30, CAS: STL01798

Signal: 1

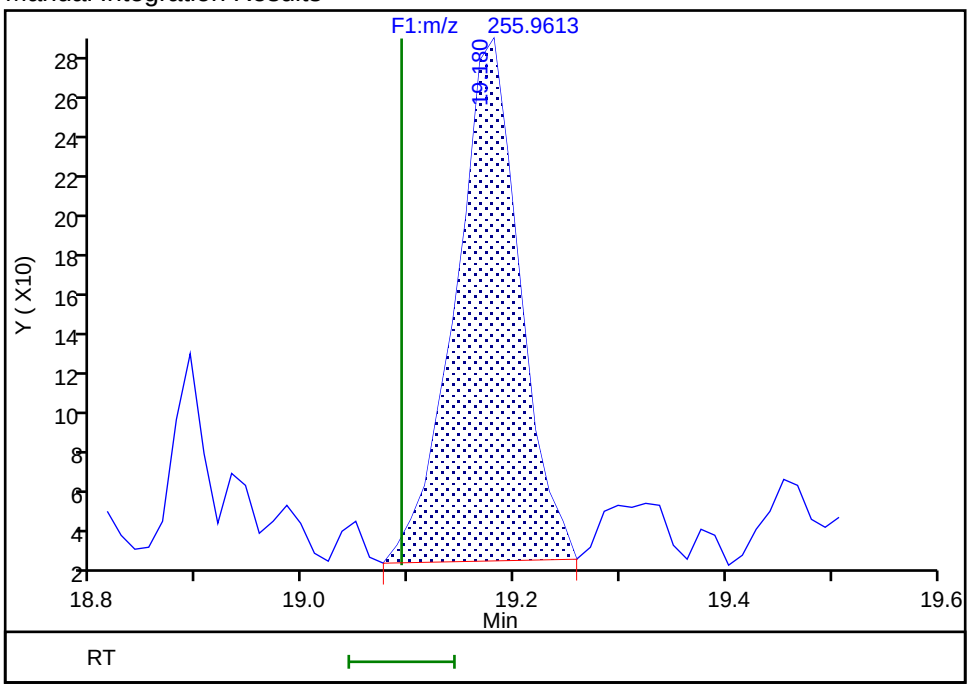
Processing Integration Results

RT: 19.18
Area: 1105
Amount: 0.189488
Amount Units: pg/ul




Manual Integration Results

RT: 19.18
Area: 1105
Amount: 0.167565
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:36:19

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

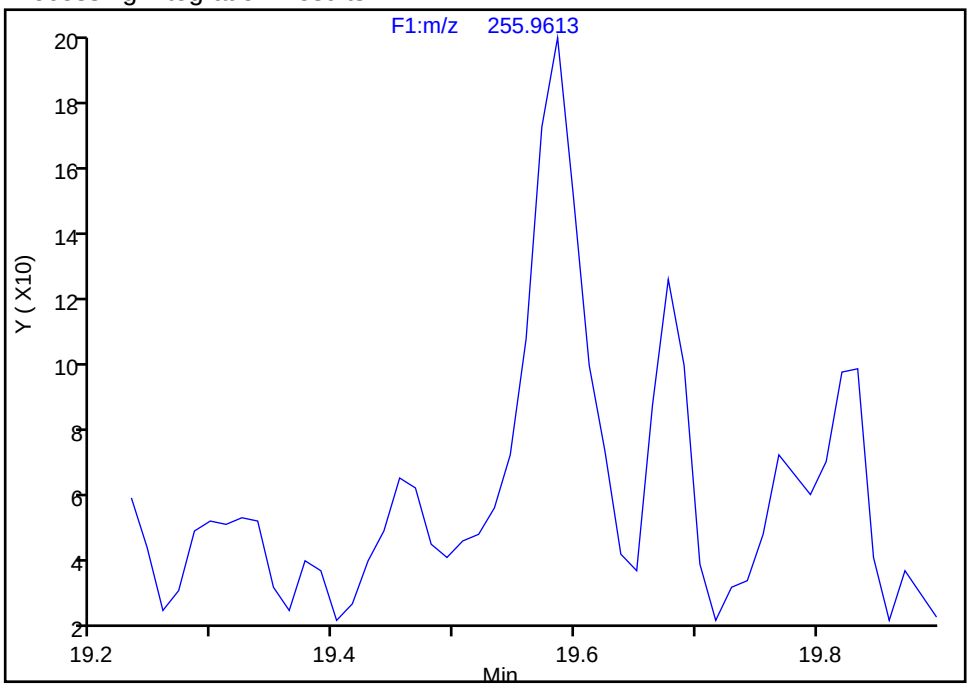
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-17, CAS: 37680-66-3

Signal: 1

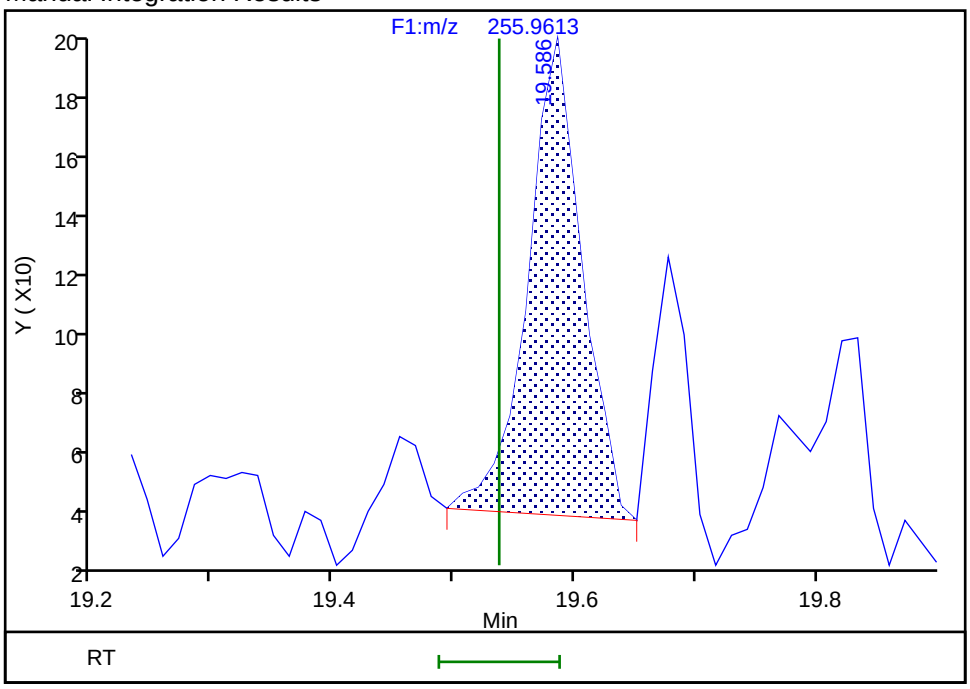
Not Detected
Expected RT: 19.54

Processing Integration Results




Manual Integration Results

RT: 19.59
Area: 496
Amount: 0.089489
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:36:24
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

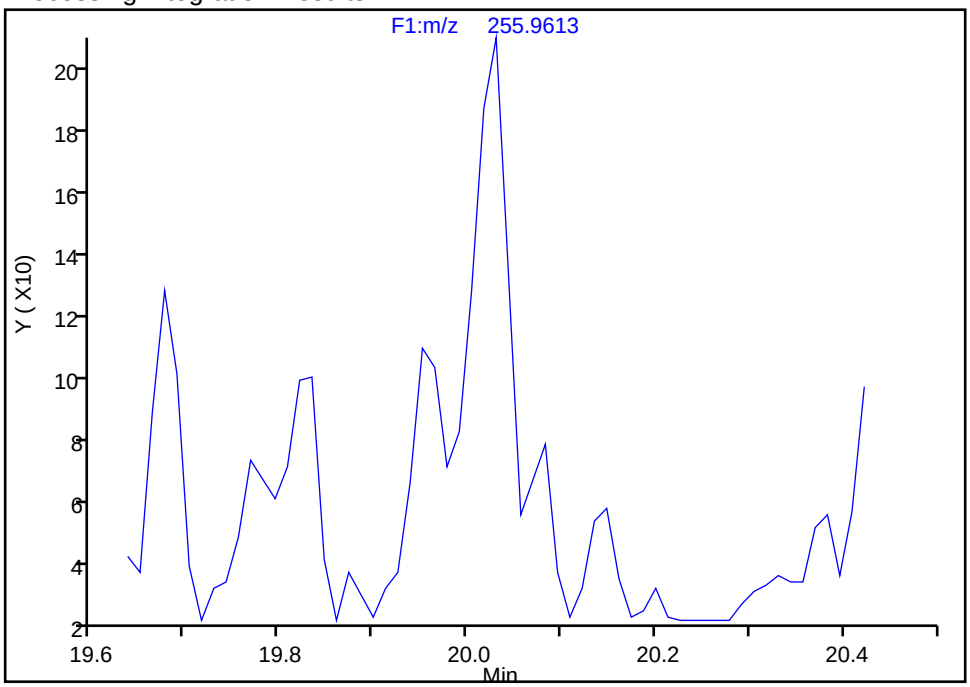
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

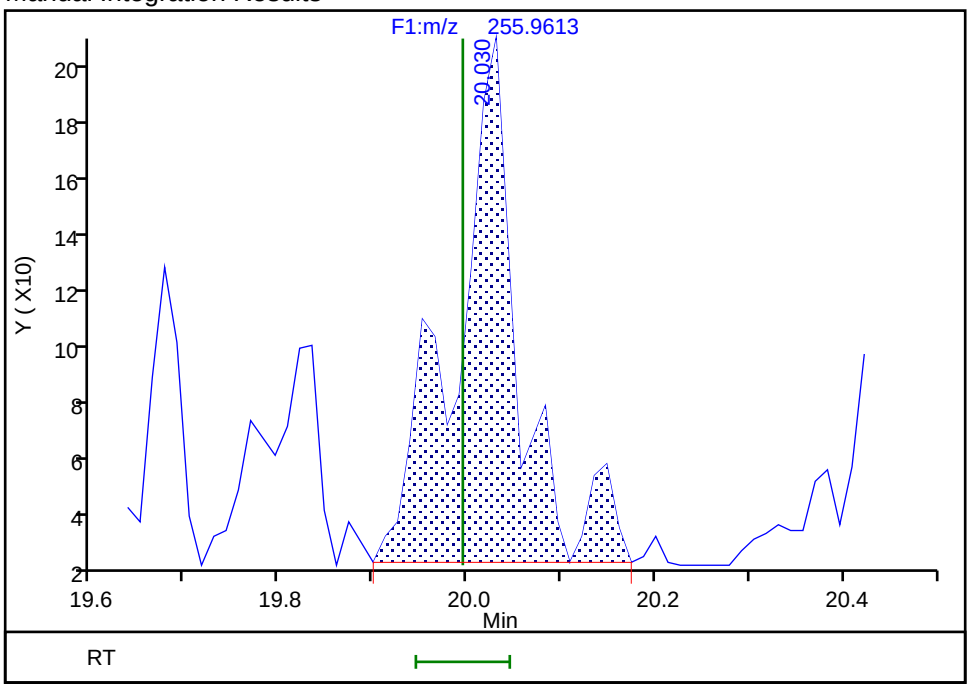
Not Detected
Expected RT: 19.99

Processing Integration Results




Manual Integration Results

RT: 20.03
Area: 870
Amount: 0.159925
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:36:34
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

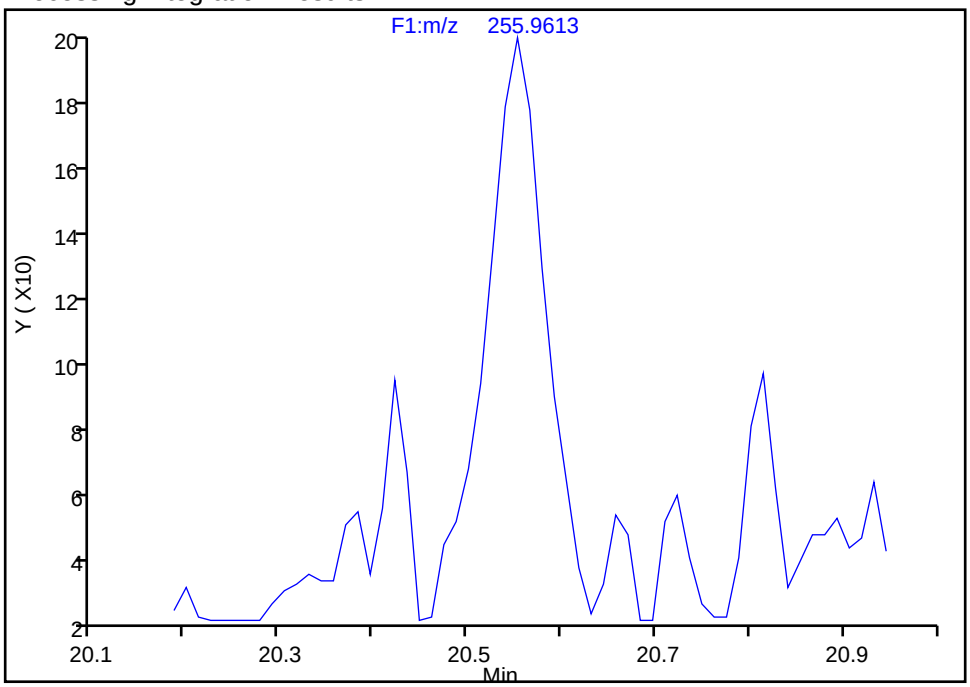
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

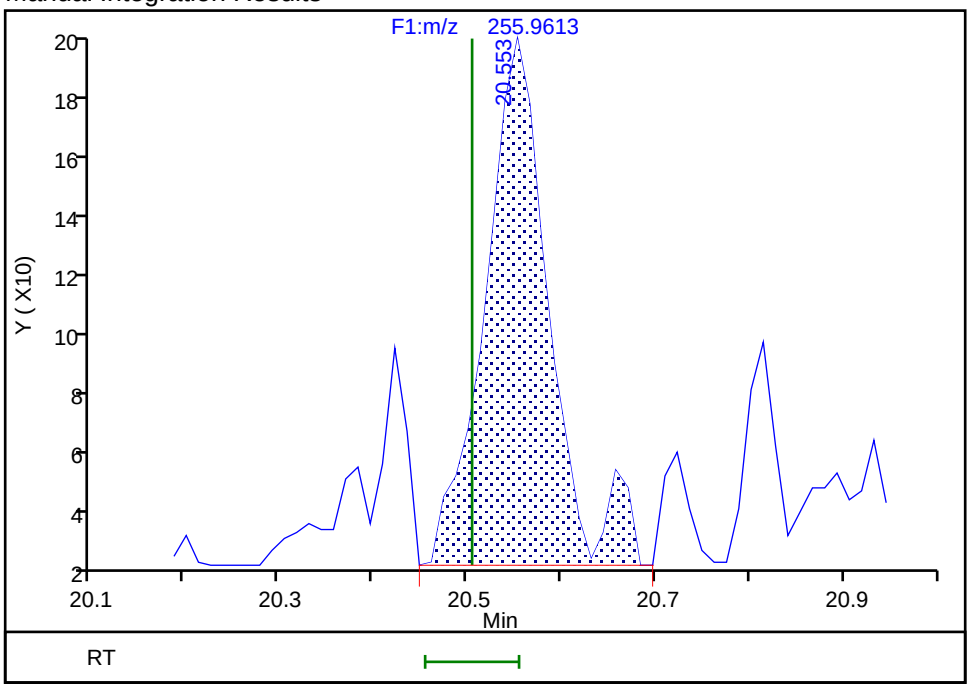
Not Detected
Expected RT: 20.50

Processing Integration Results




Manual Integration Results

RT: 20.55
Area: 844
Amount: 0.069107
Amount Units: pg/ul

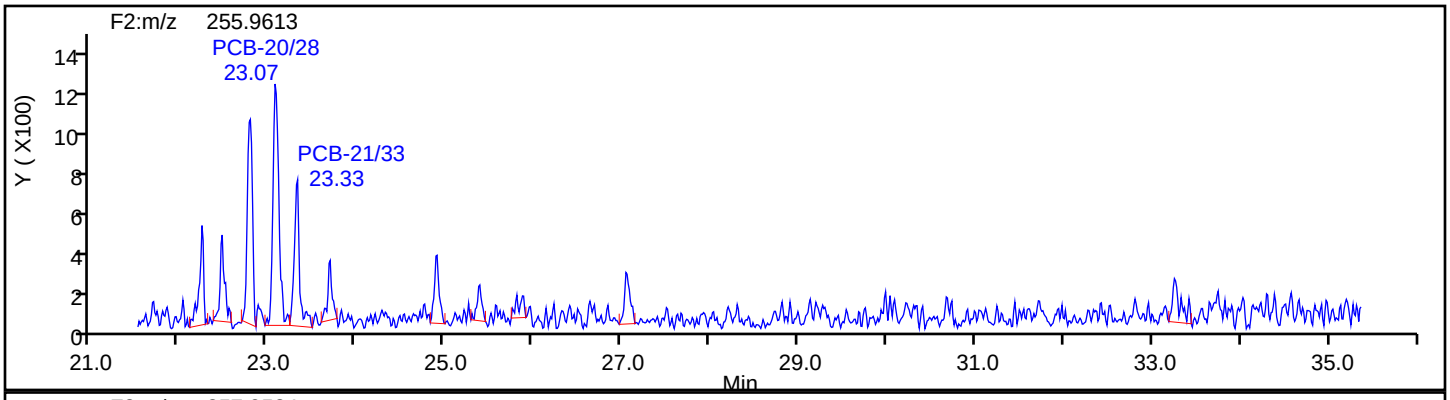


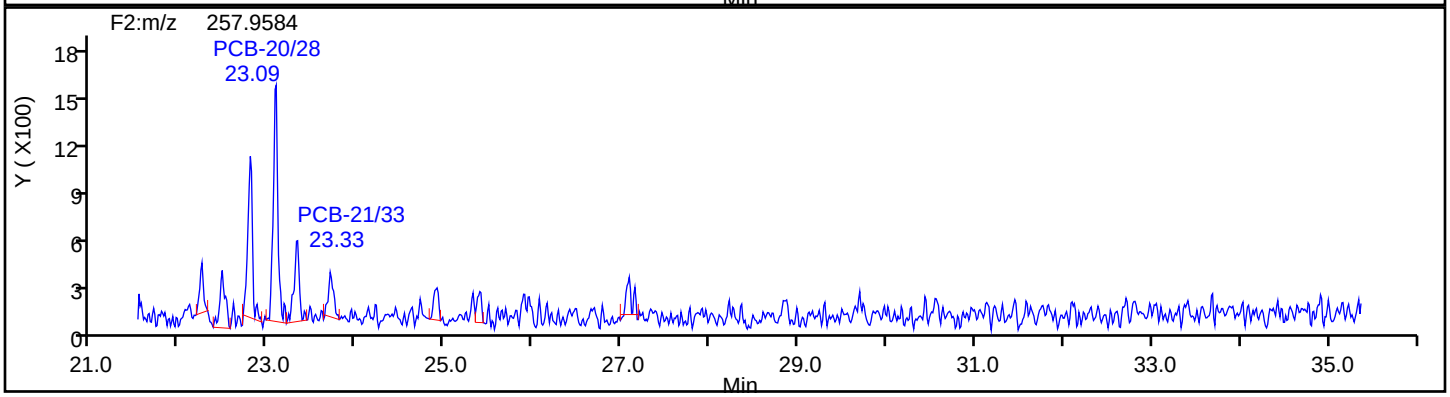

Reviewer: mcwhirterl, 04-Oct-2019 00:36:39
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

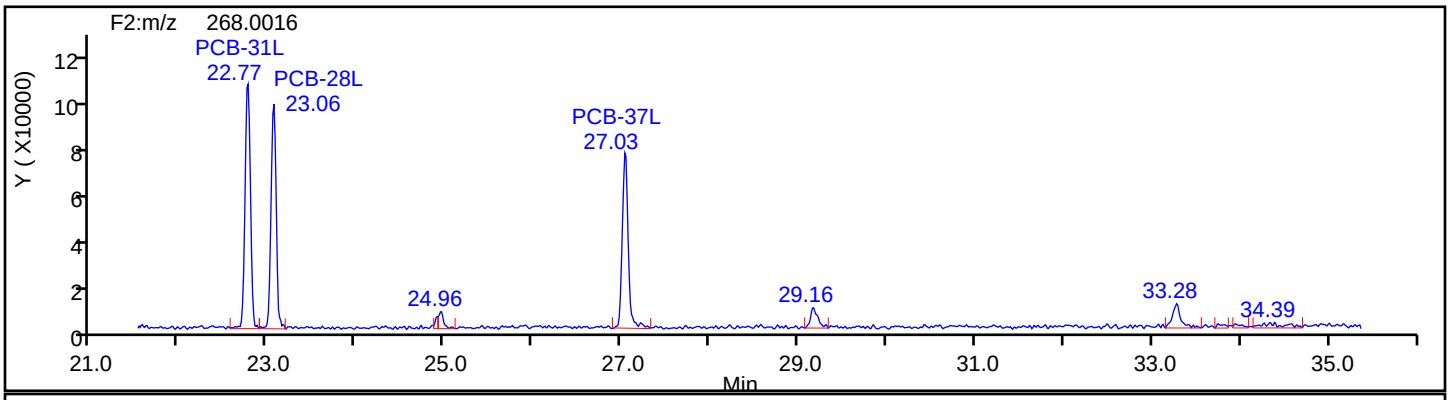
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

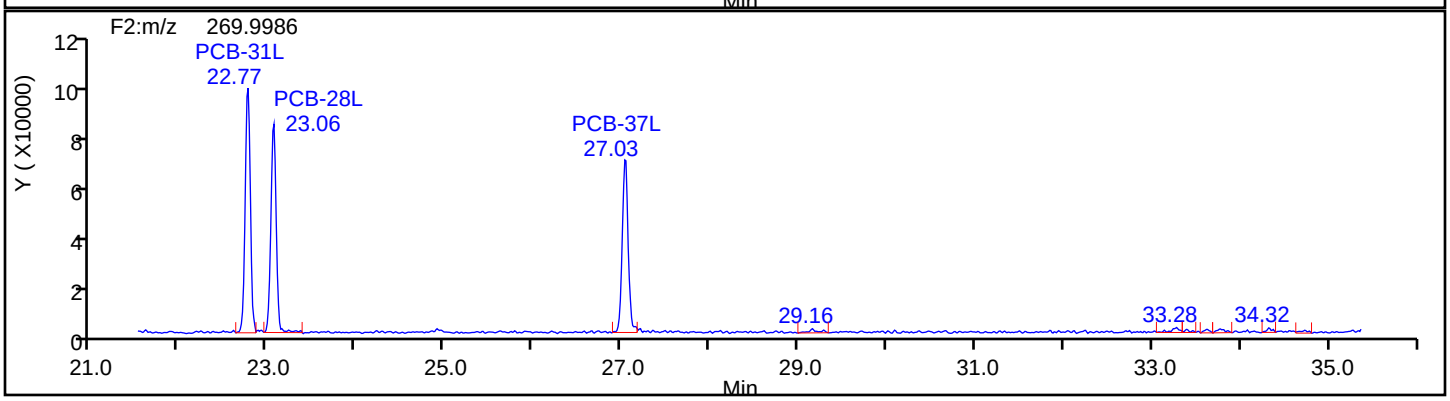
TriPCB F2




TriPCB F2 Standards

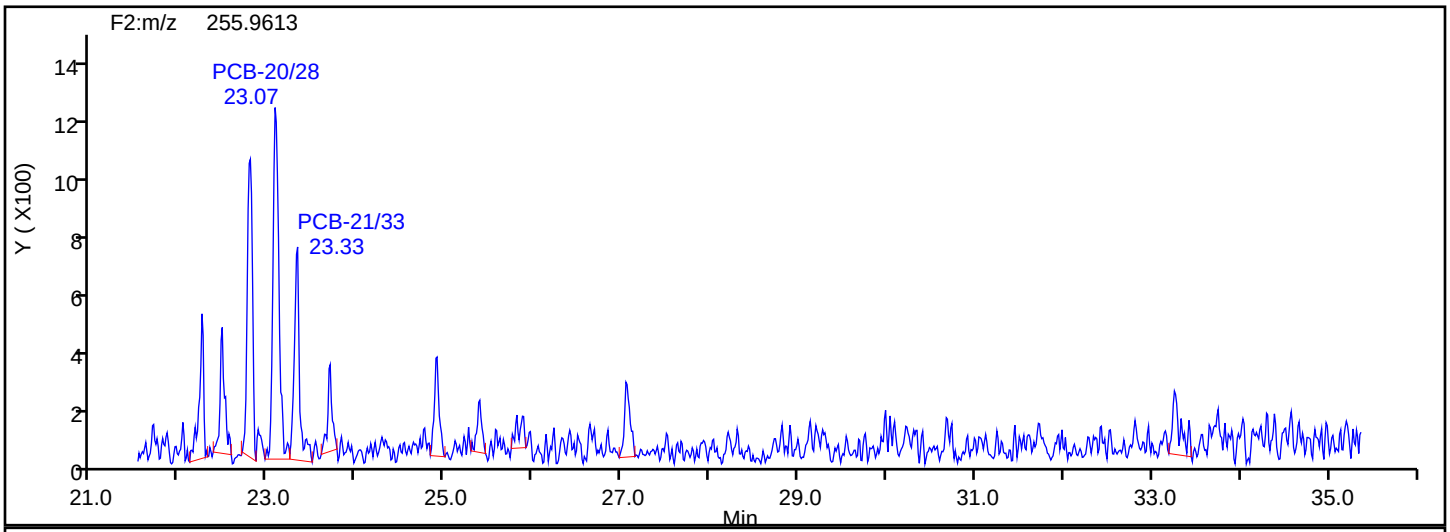


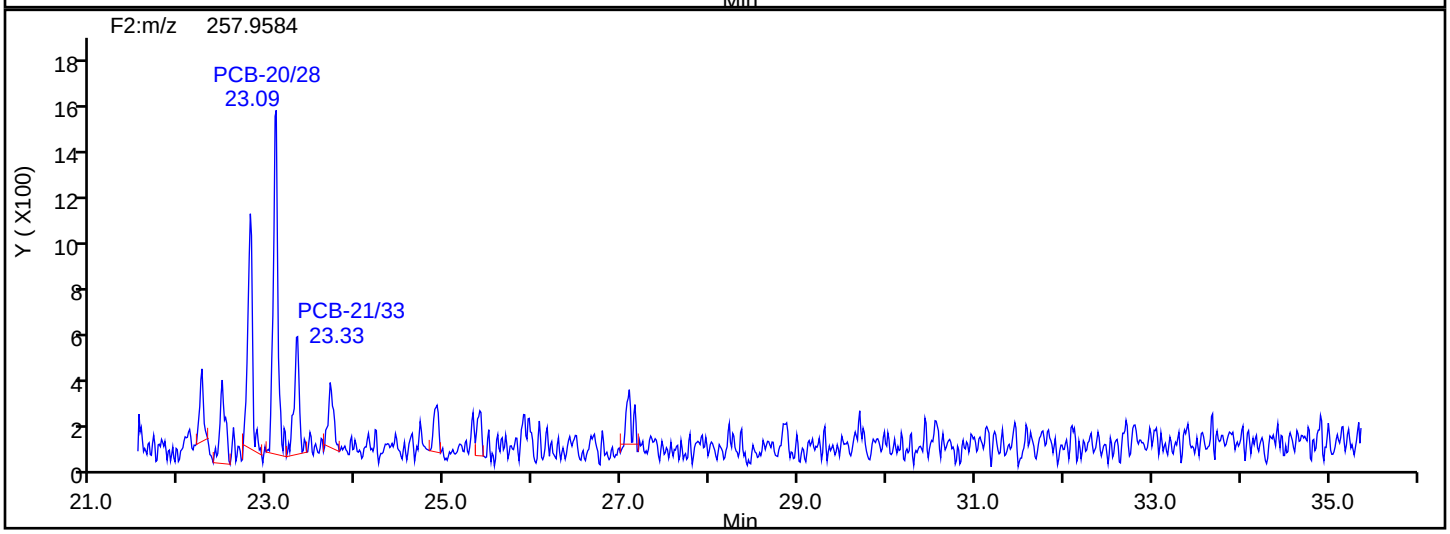



Eurofins TestAmerica, Knoxville

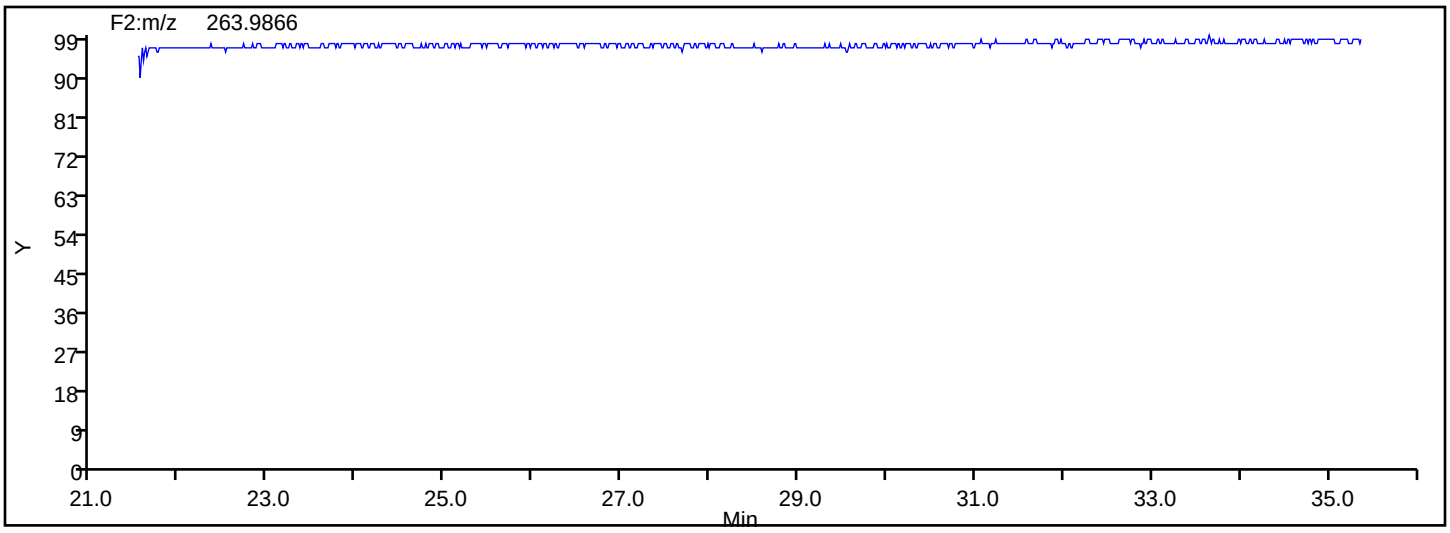
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

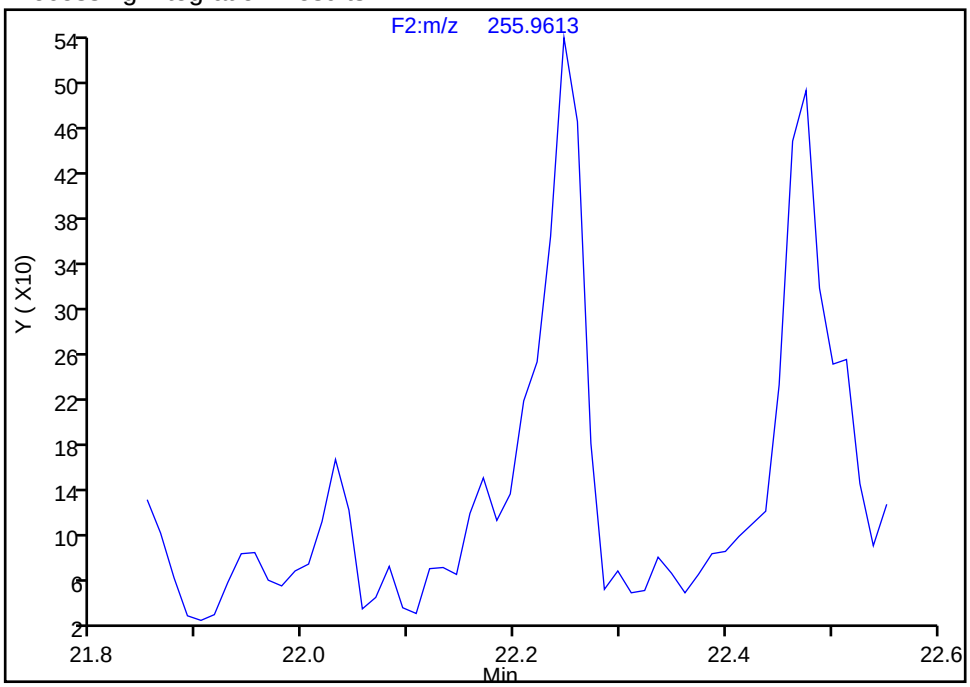
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

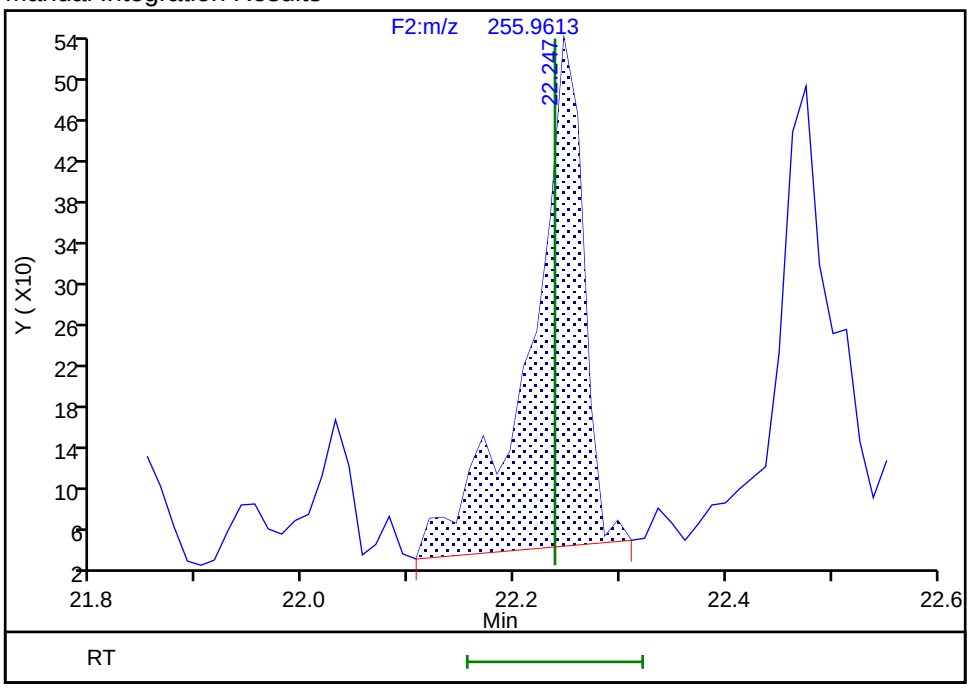
Not Detected
Expected RT: 22.24

Processing Integration Results




Manual Integration Results

RT: 22.25
Area: 1706
Amount: 0.058332
Amount Units: pg/ul

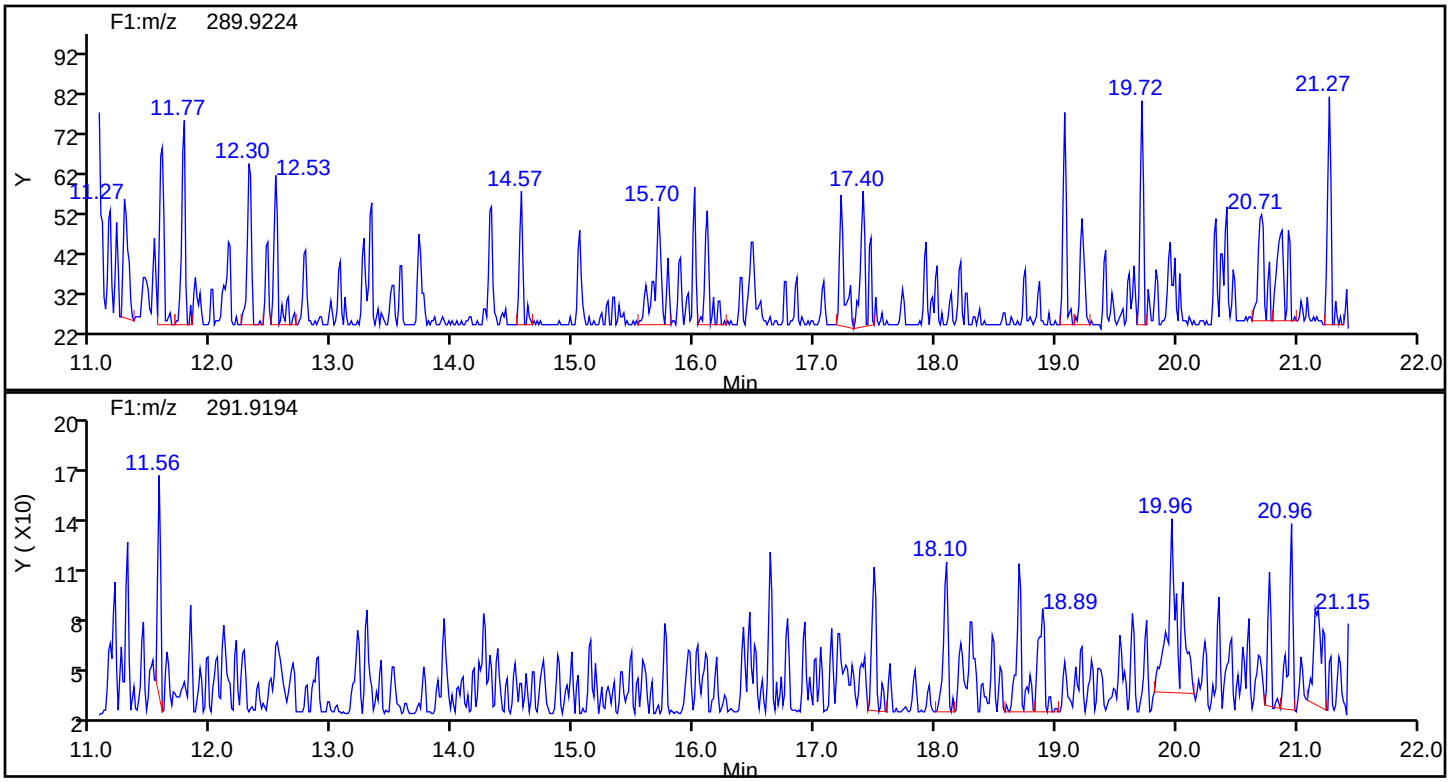



Reviewer: mcwhirterl, 04-Oct-2019 00:36:46
Audit Action: Assigned Compound ID Audit Reason: Split Peak

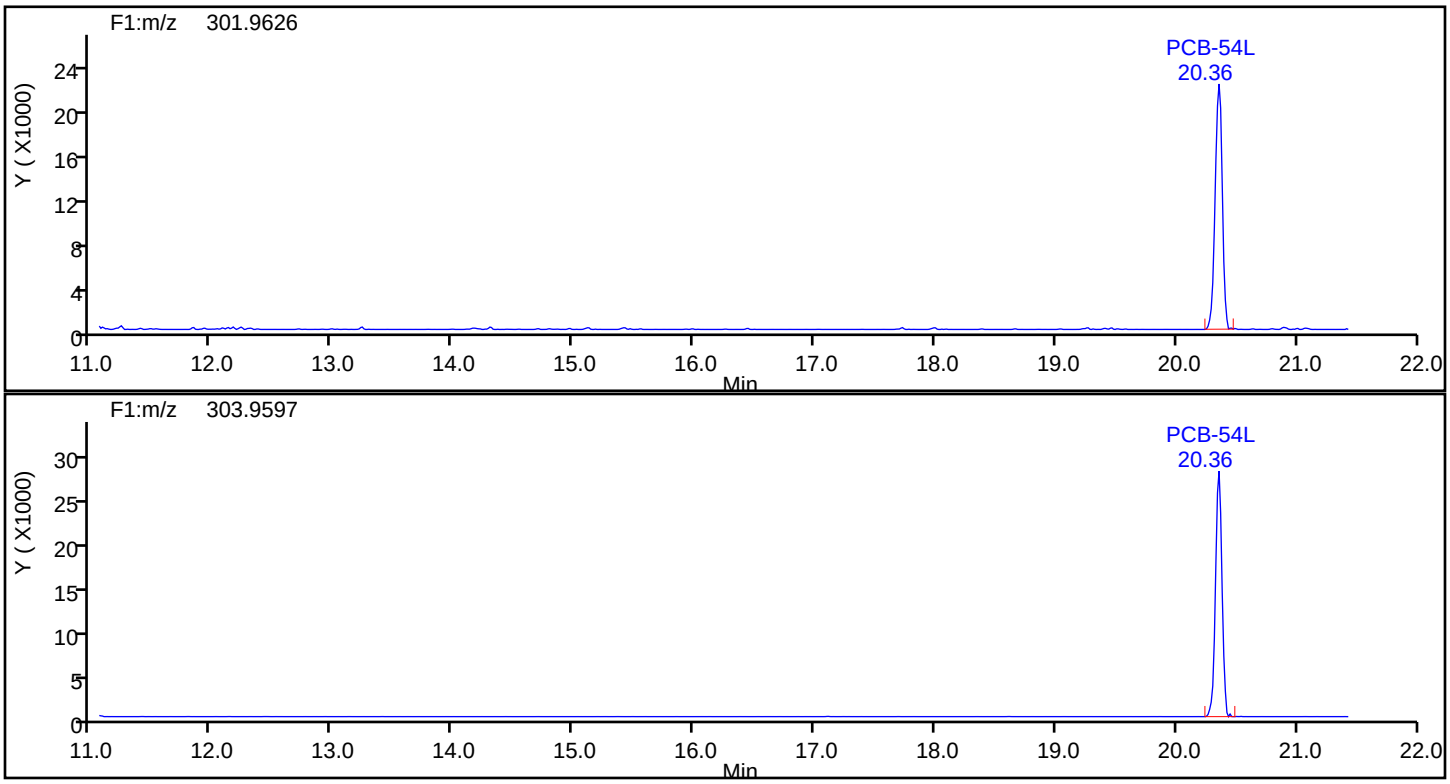
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards

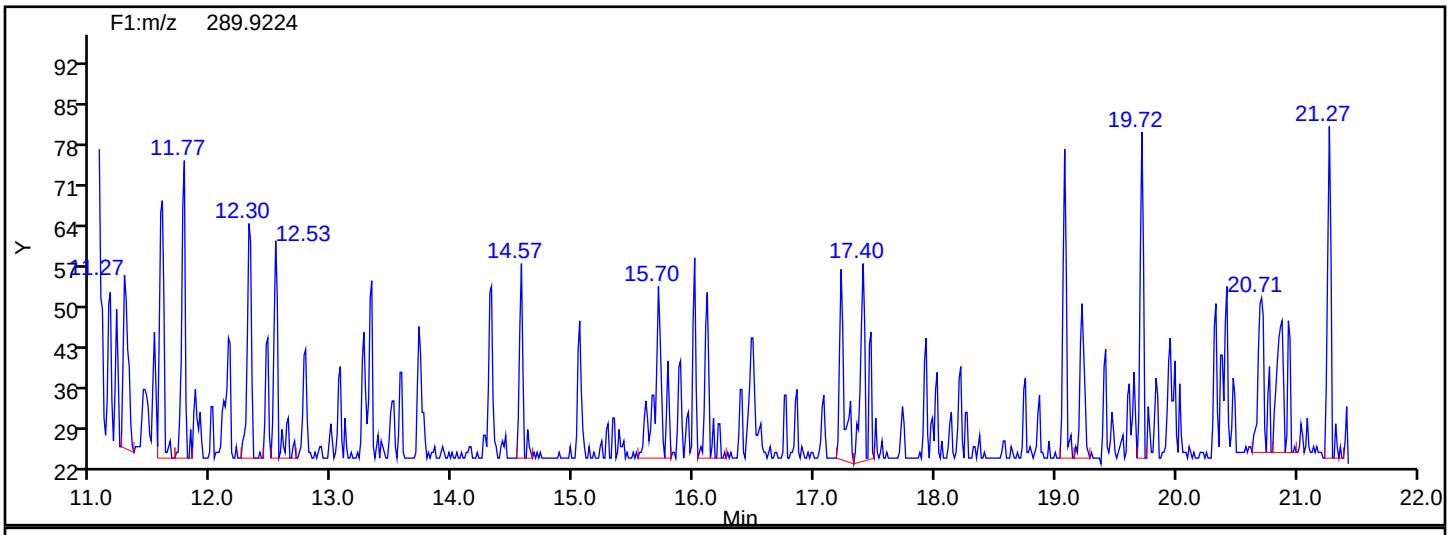


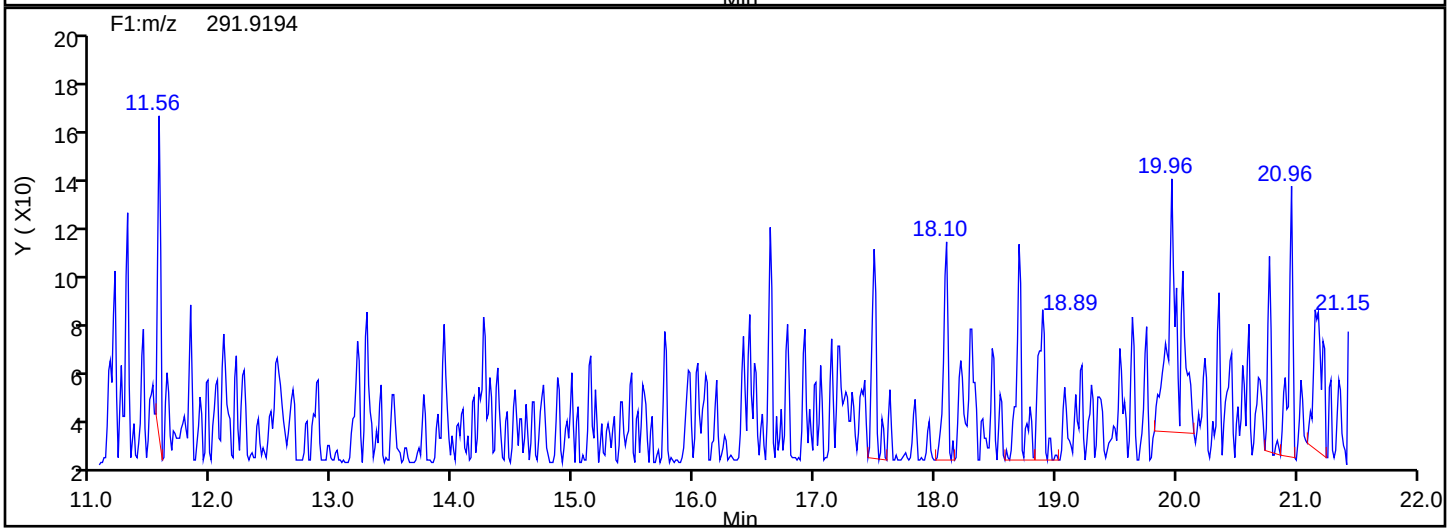
Report Date: 04-Oct-2019 00:45:24 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

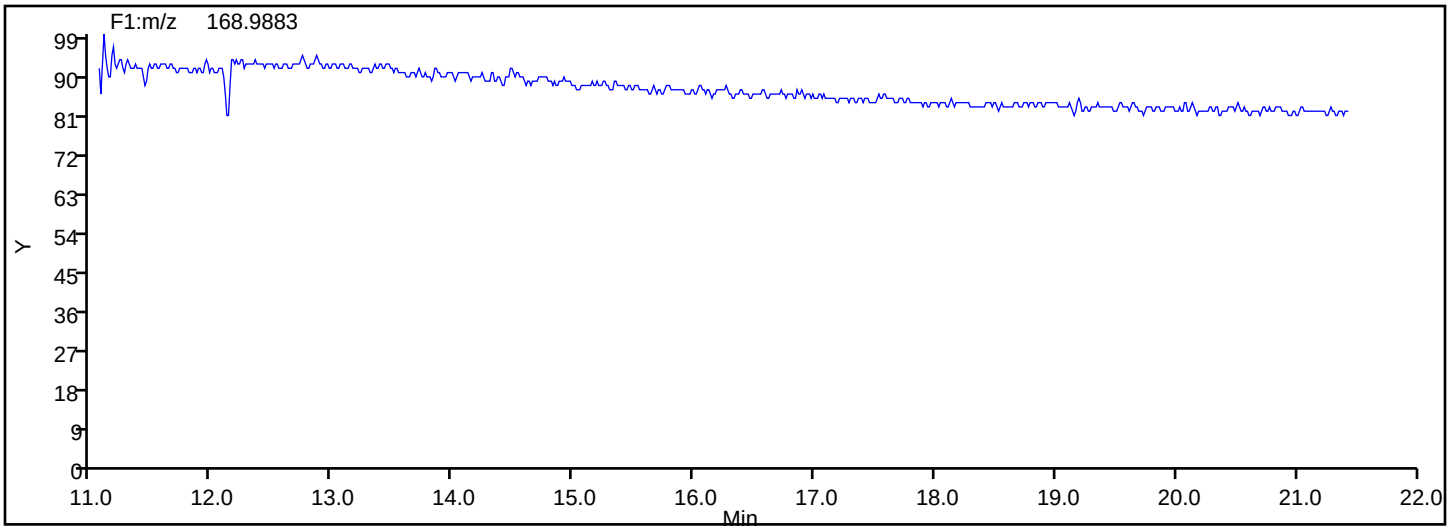
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



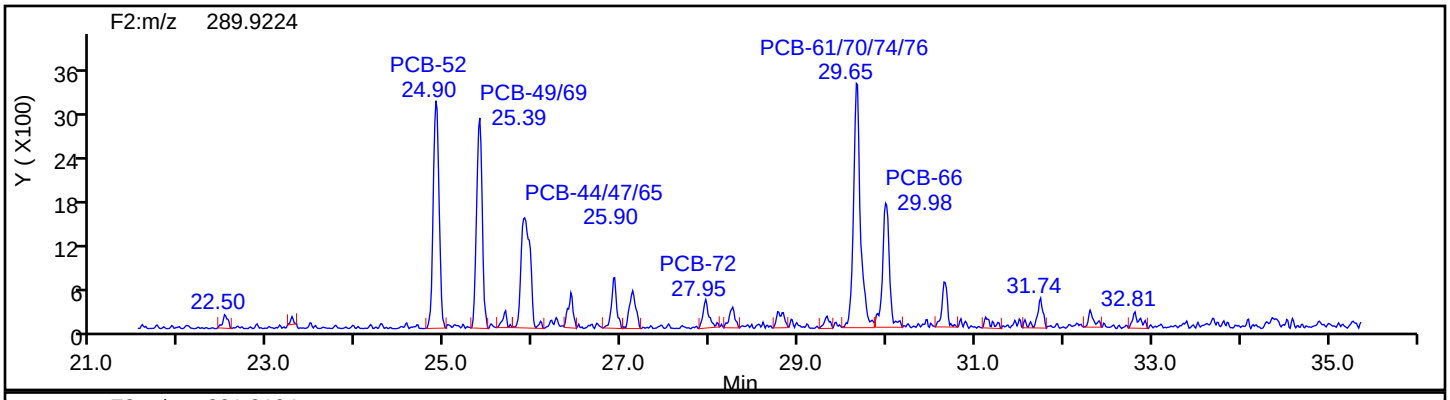

TePCB F1 Lock Mass

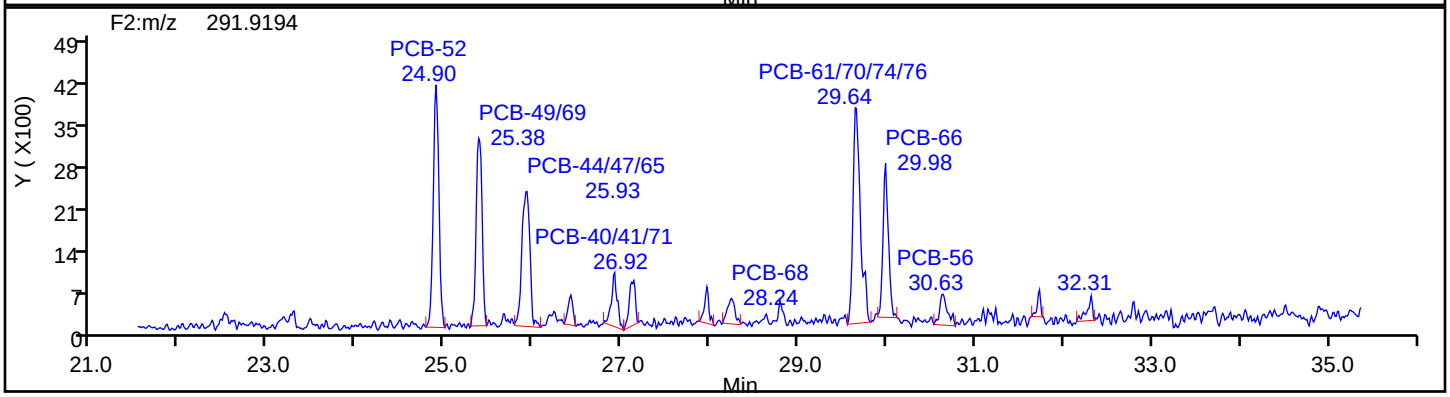


Eurofins TestAmerica, Knoxville

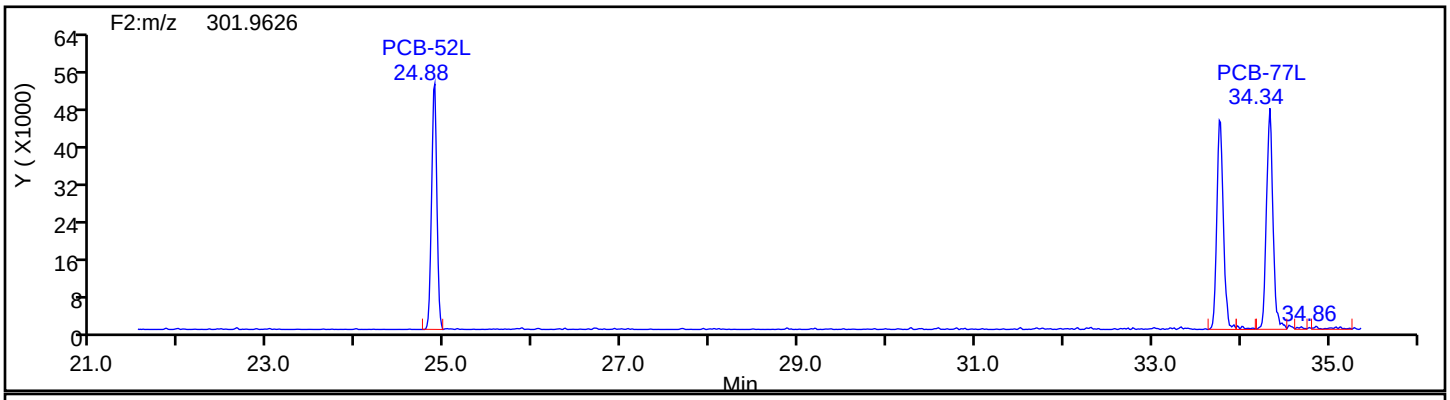
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

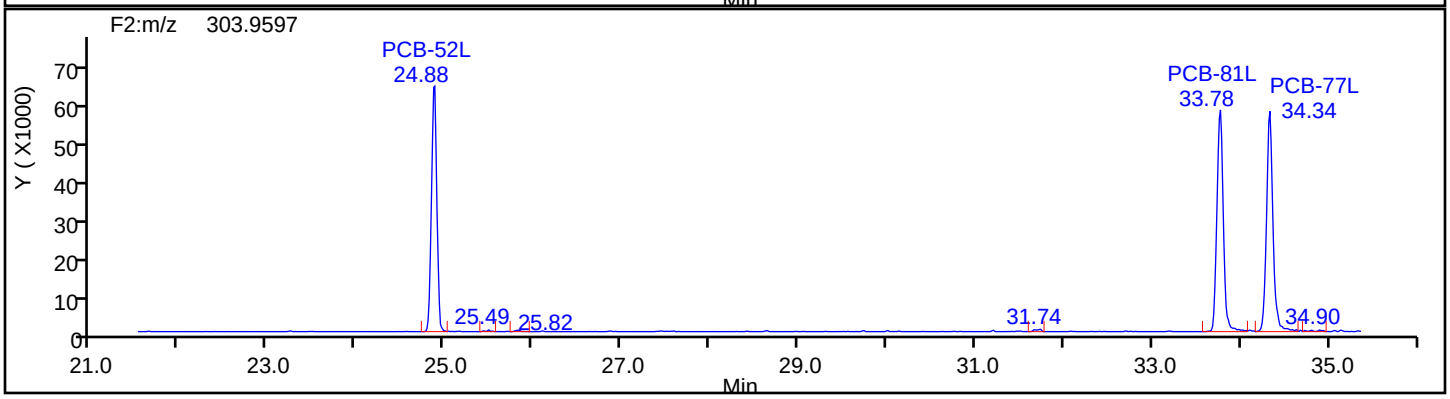
TePCB F2




TePCB F2 Standards

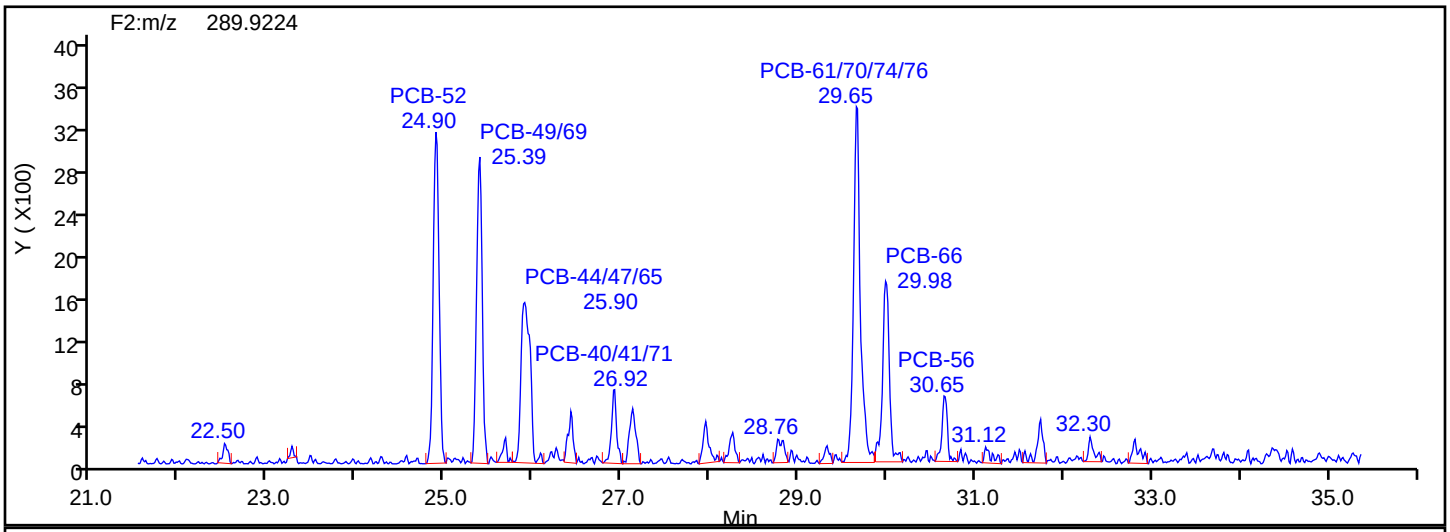


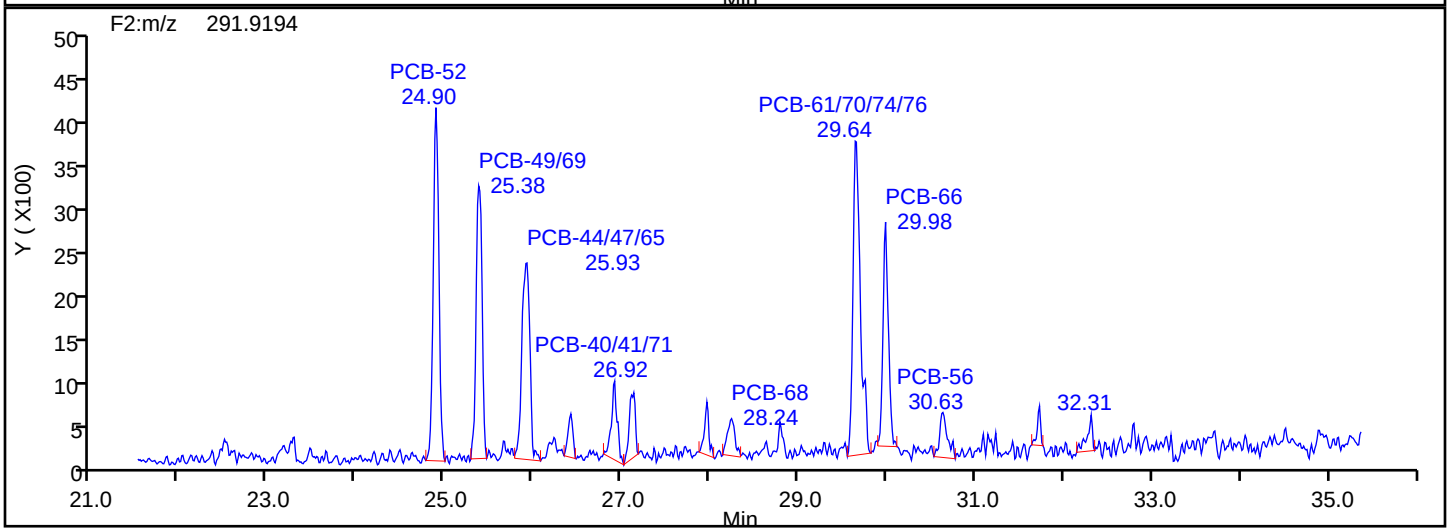



Eurofins TestAmerica, Knoxville

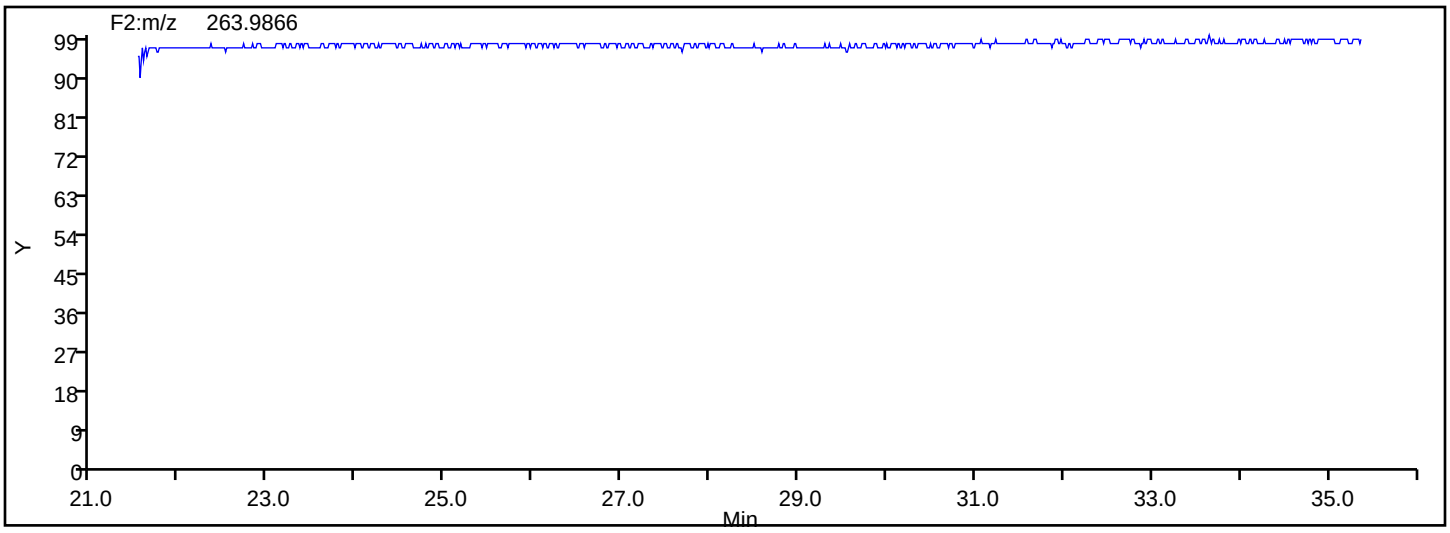
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

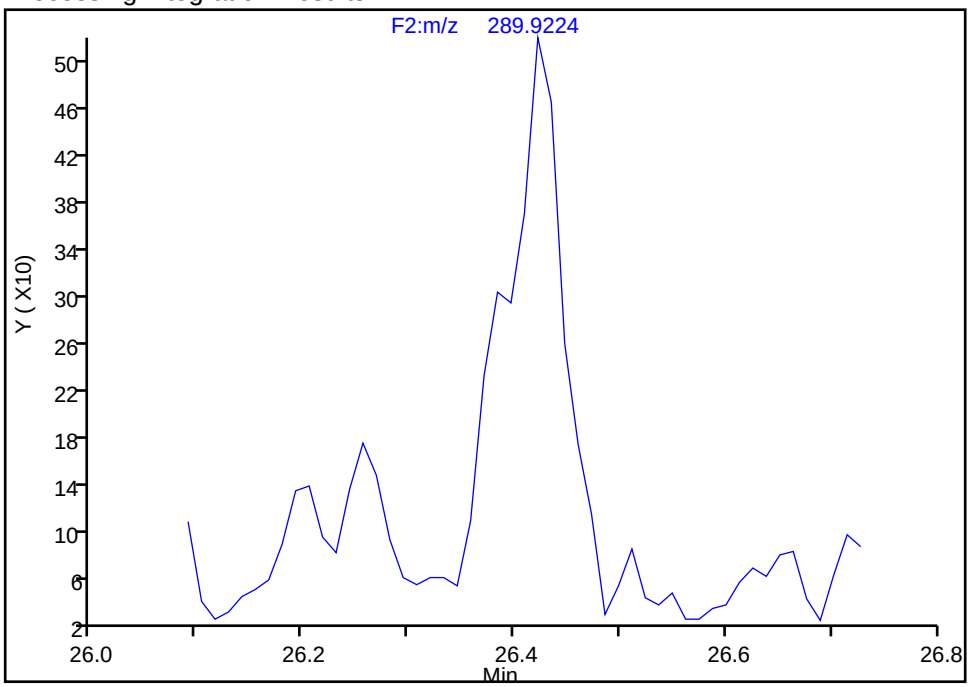
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-42, CAS: 36559-22-5

Signal: 1

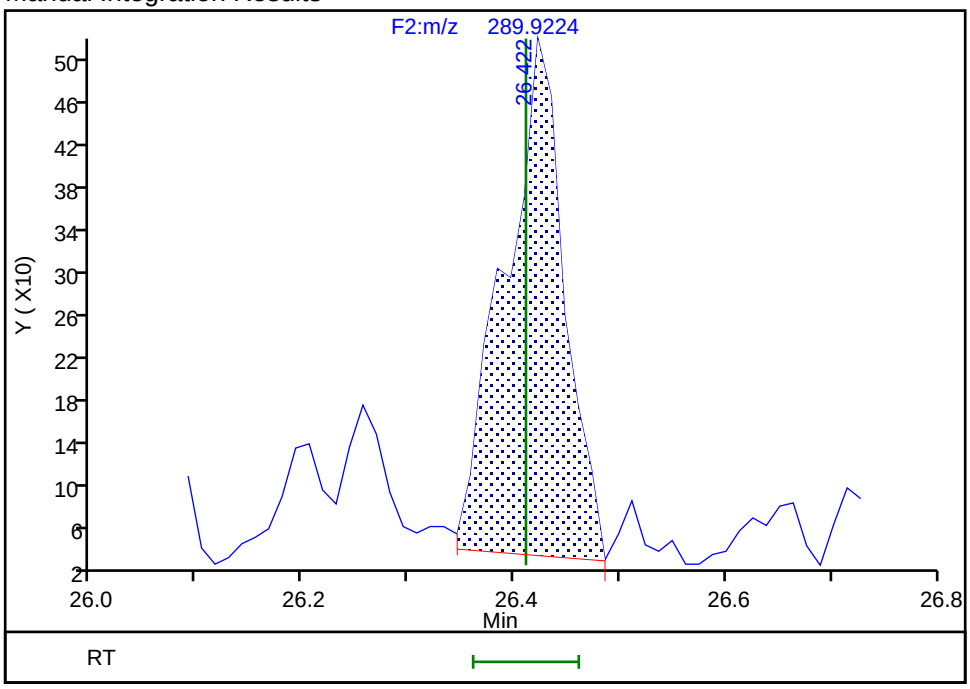
Not Detected
Expected RT: 26.41

Processing Integration Results




Manual Integration Results

RT: 26.42
Area: 1894
Amount: 0.164708
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:37:44
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

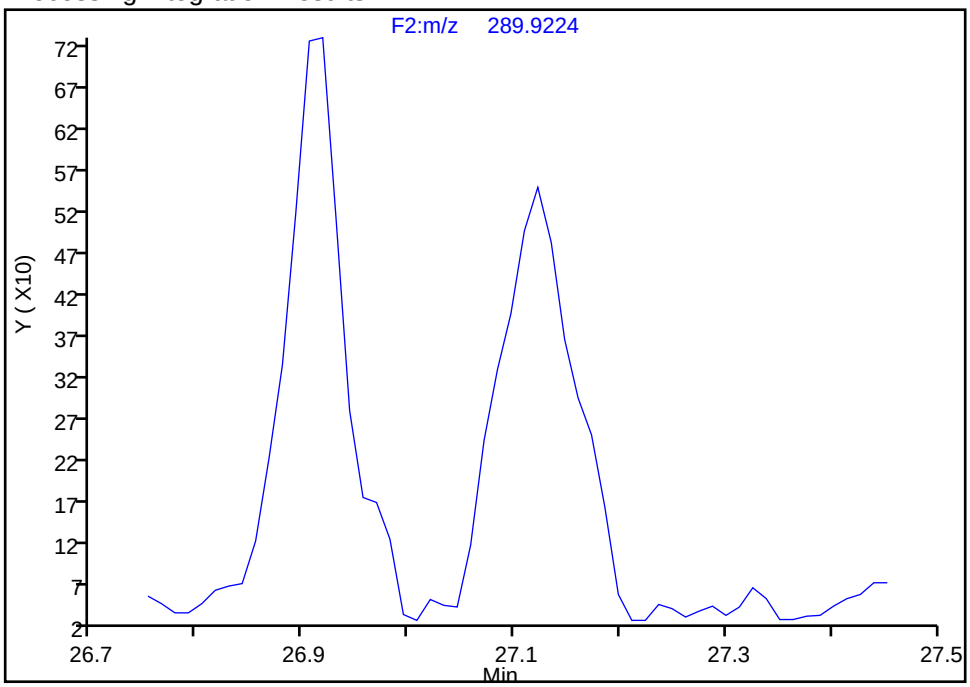
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

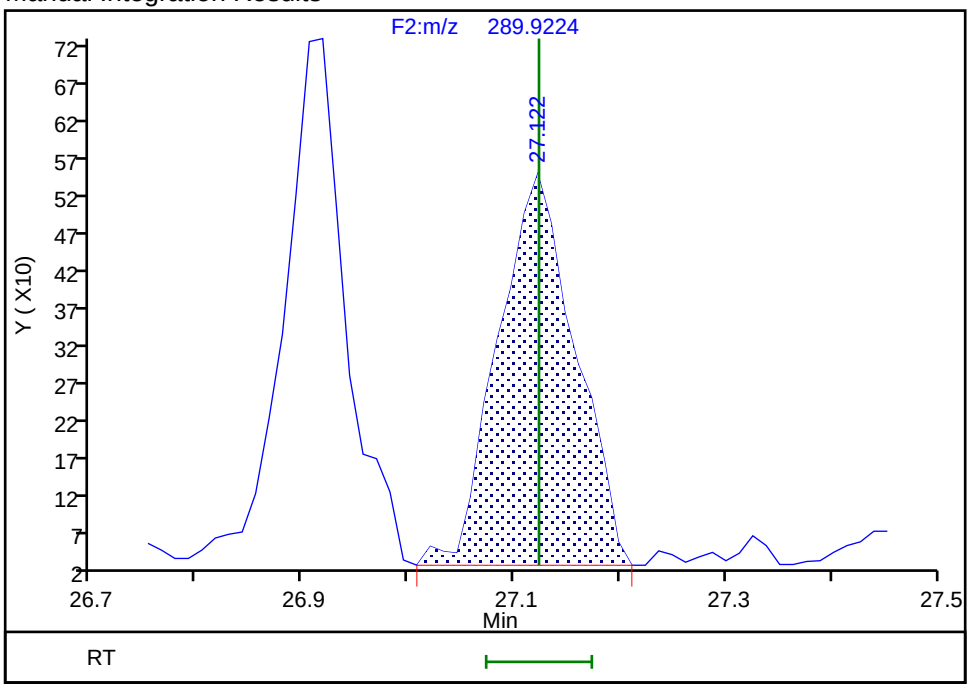
Not Detected
Expected RT: 27.12

Processing Integration Results




Manual Integration Results

RT: 27.12
Area: 2637
Amount: 0.165221
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:37:49
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

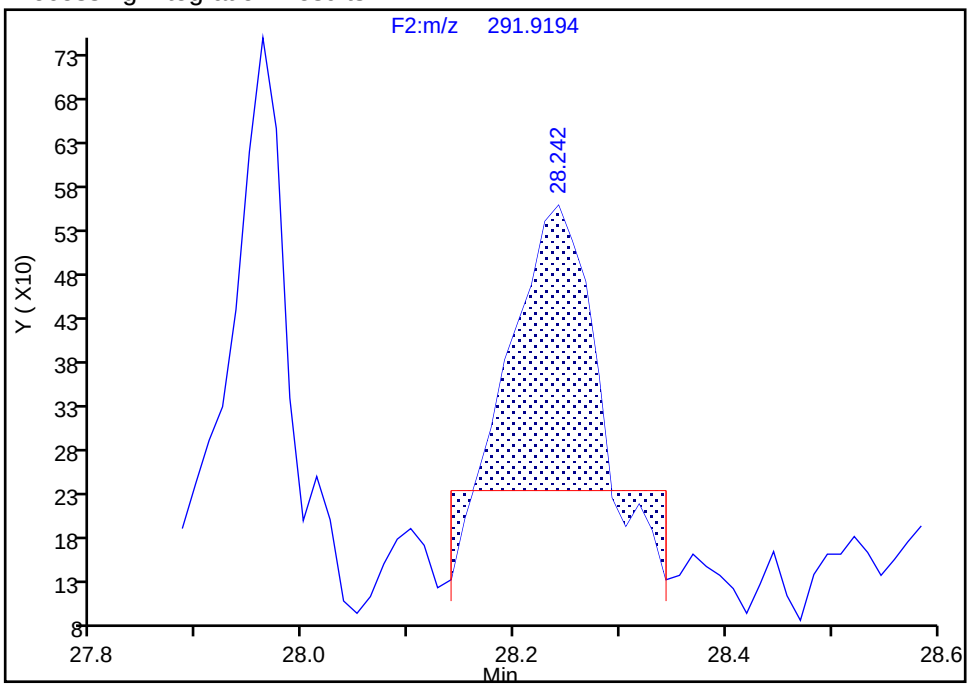
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 2

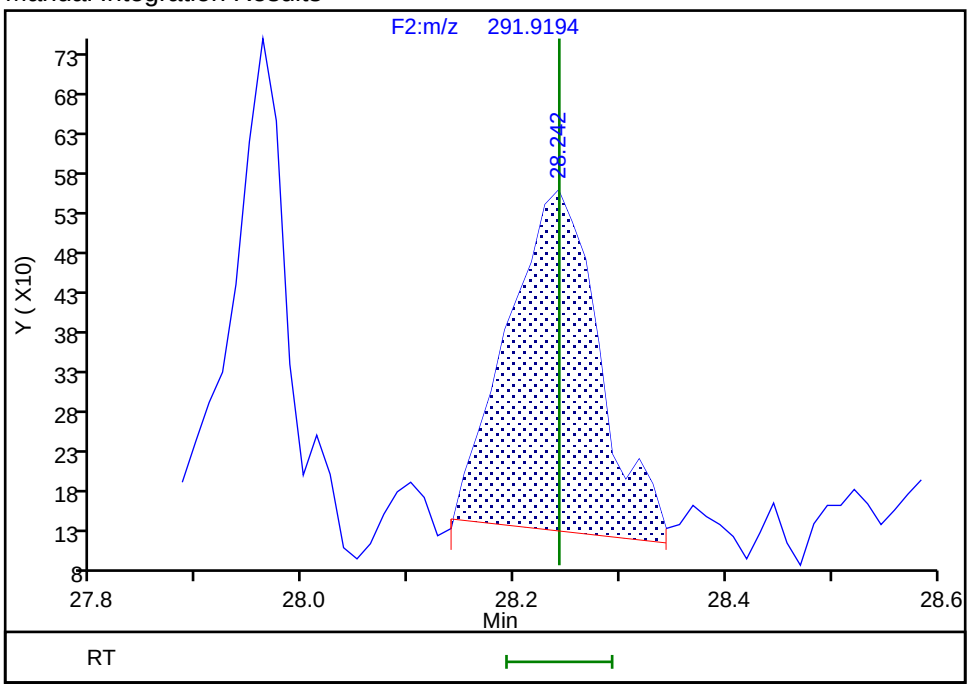
Processing Integration Results

RT: 28.24
Area: 1297
Amount: 0.065491
Amount Units: pg/ul




Manual Integration Results

RT: 28.24
Area: 2567
Amount: 0.097593
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:37:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

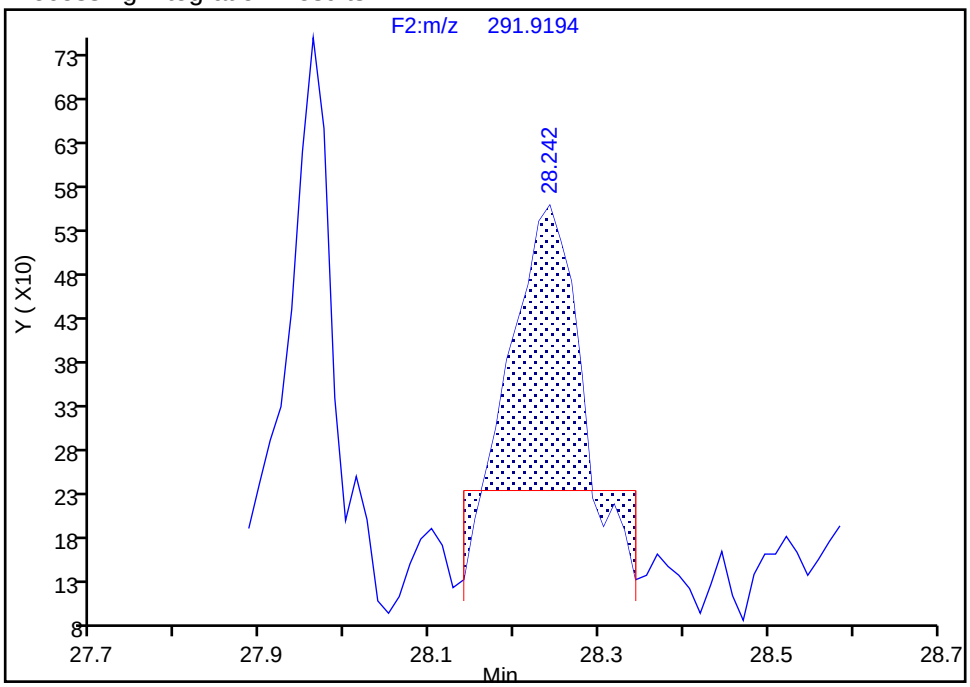
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 3

Processing Integration Results

RT: 28.25
Area: 2591
Amount: 0.065491
Amount Units: pg/ul




Manual Integration Results

RT: 28.25
Area: 3861
Amount: 0.097593
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:37:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

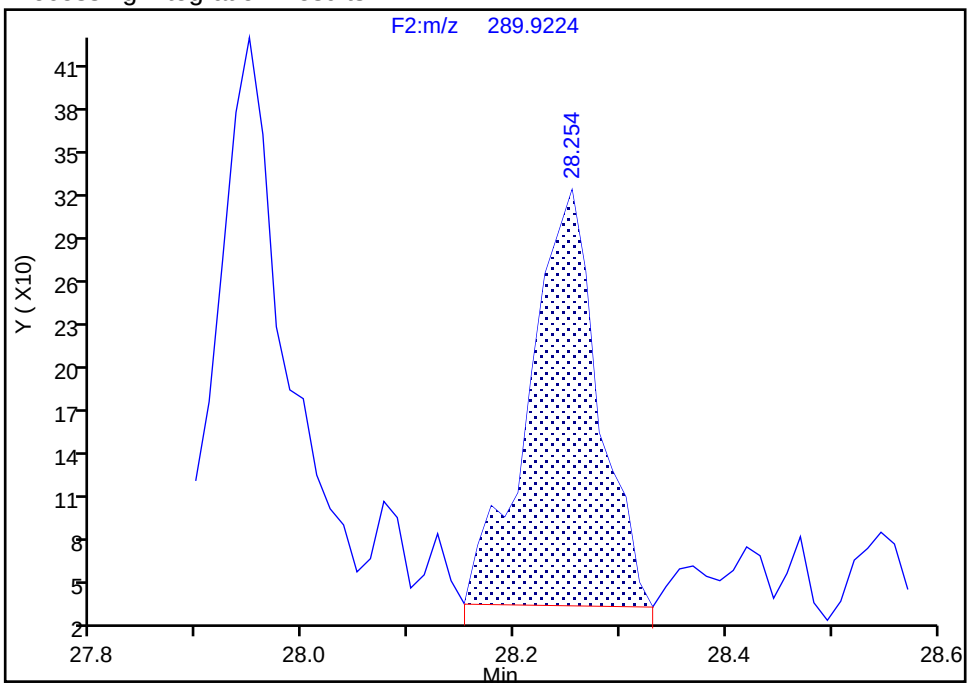
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 1

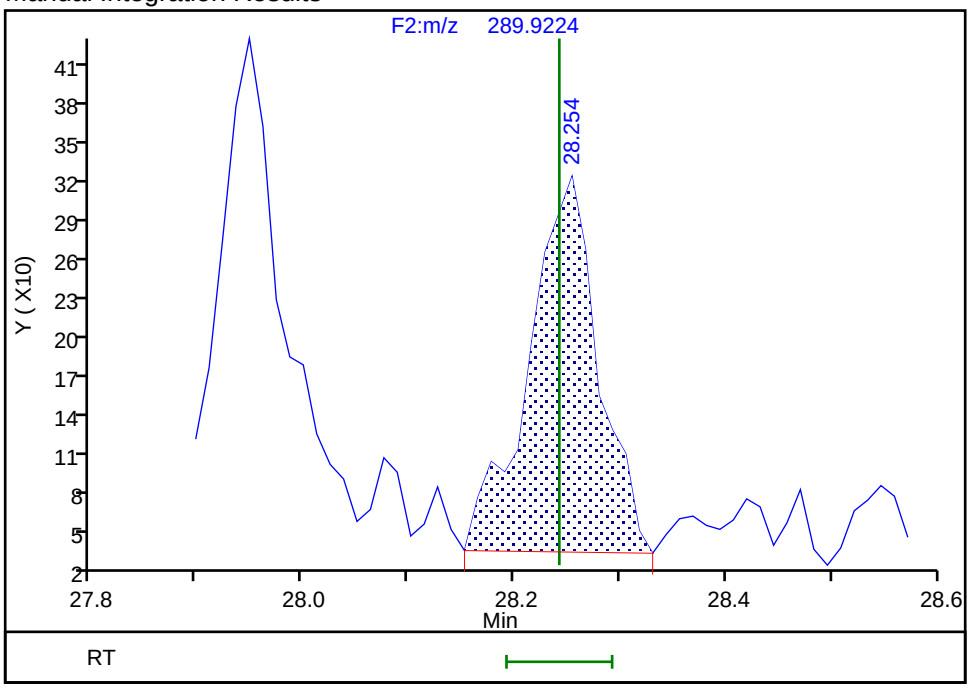
Processing Integration Results

RT: 28.25
Area: 1294
Amount: 0.065491
Amount Units: pg/ul




Manual Integration Results

RT: 28.25
Area: 1294
Amount: 0.097593
Amount Units: pg/ul



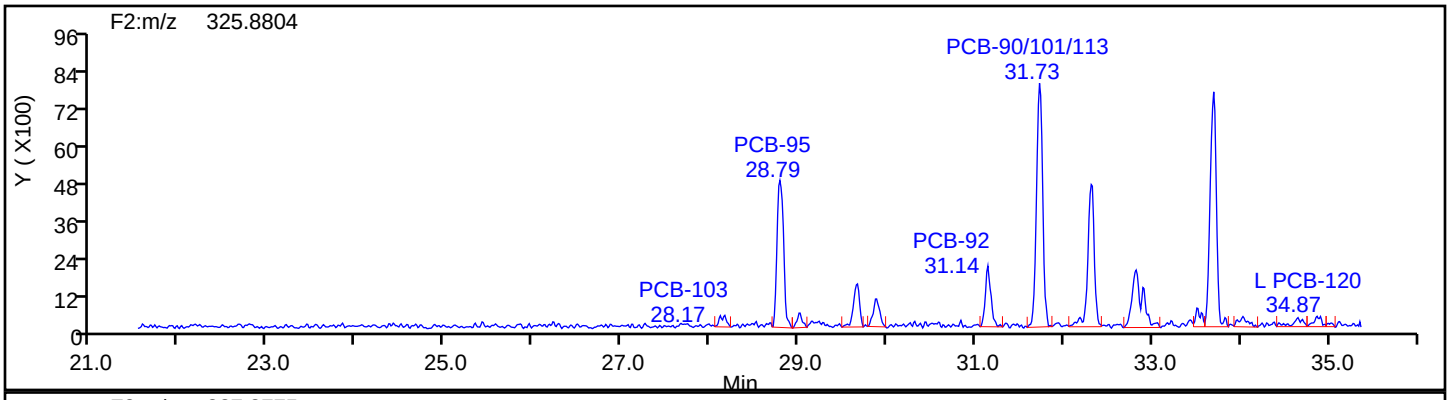

Reviewer: mcwhirterl, 04-Oct-2019 00:37:59

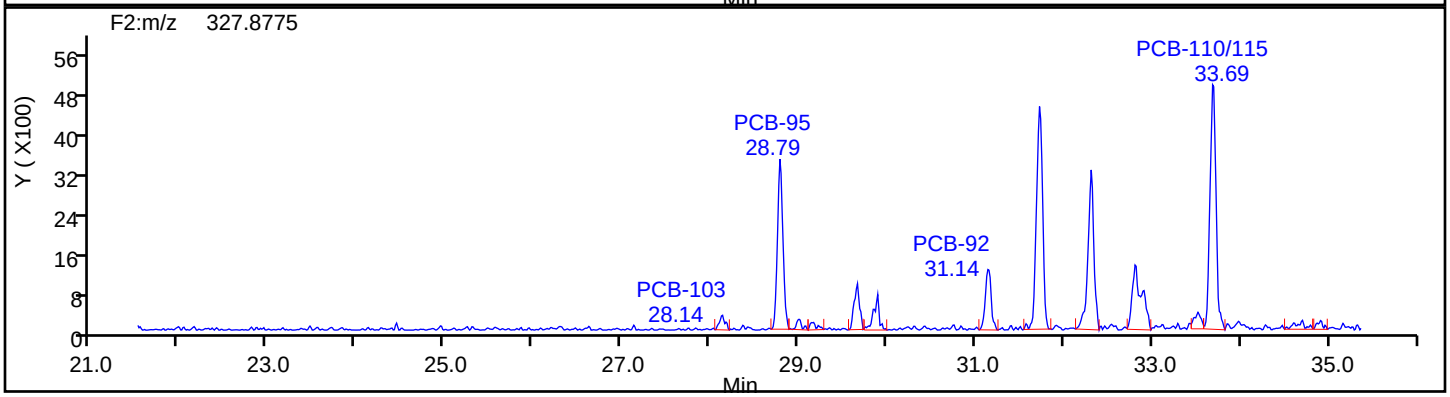
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

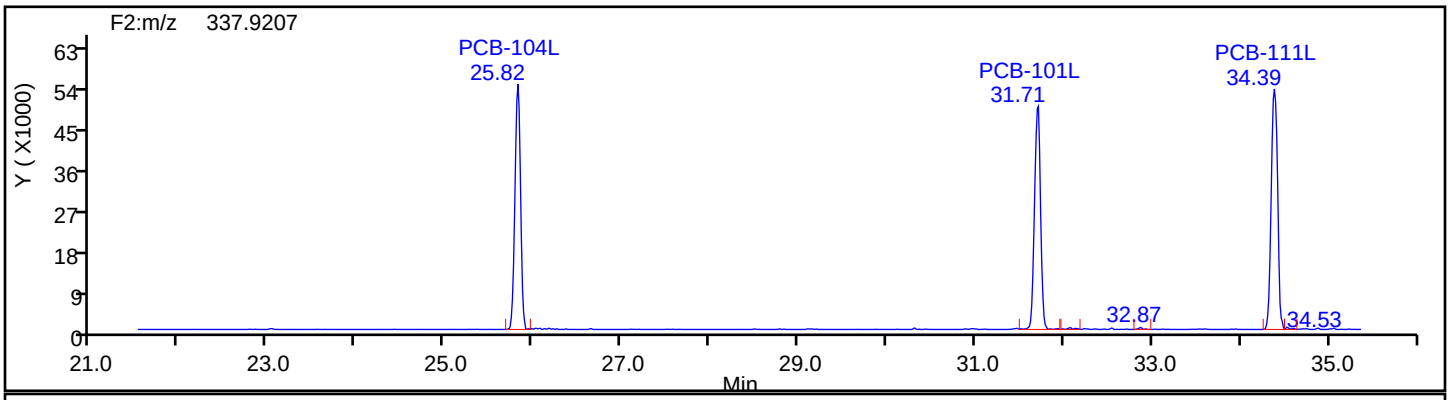
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

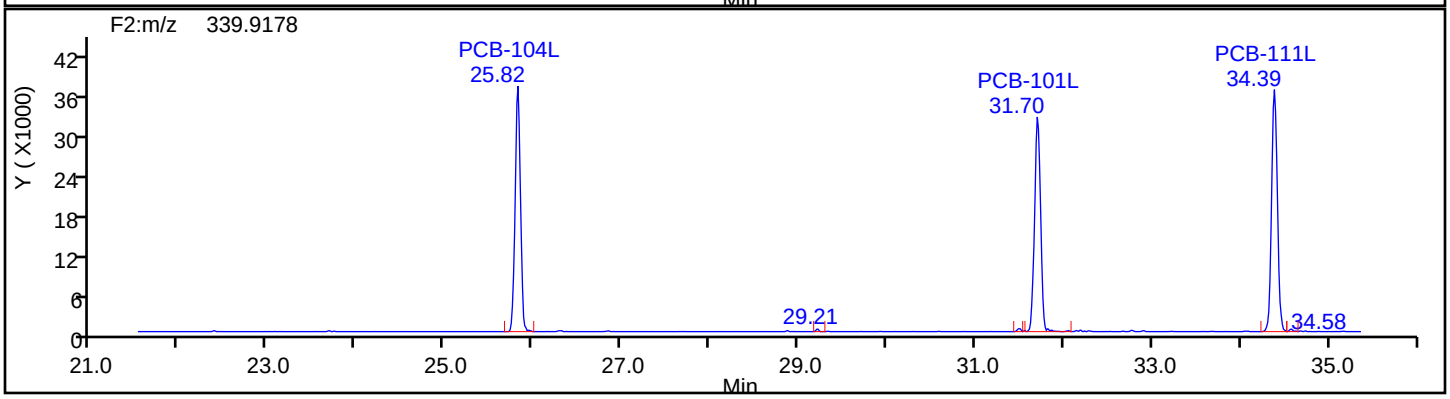
PePCB F2




PePCB F2 Standards

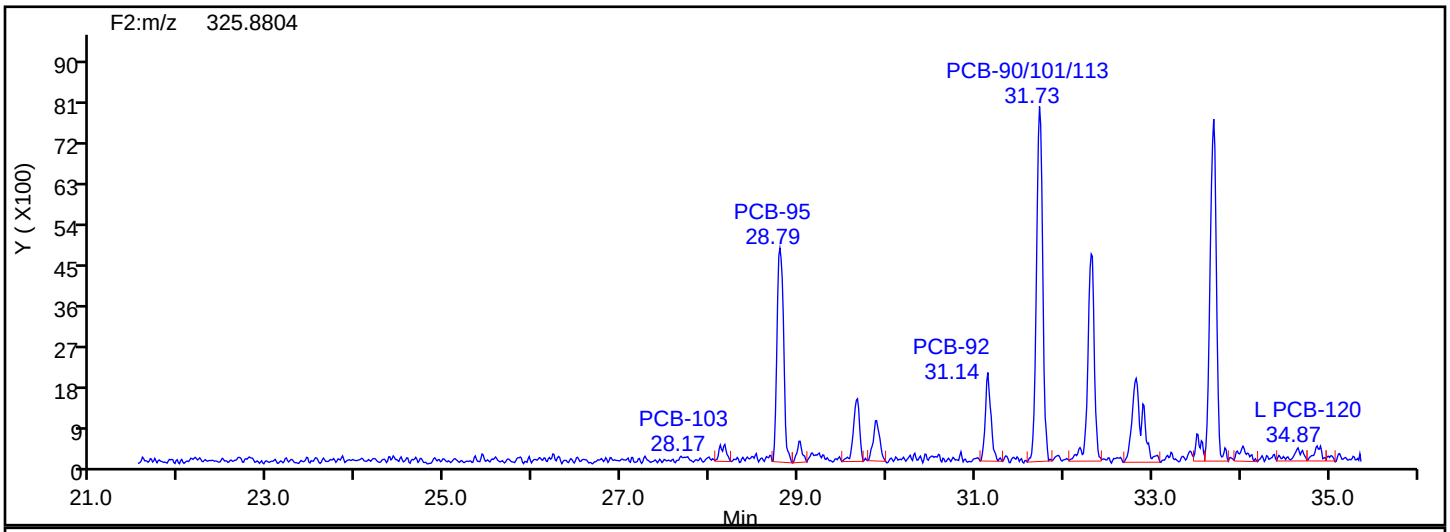


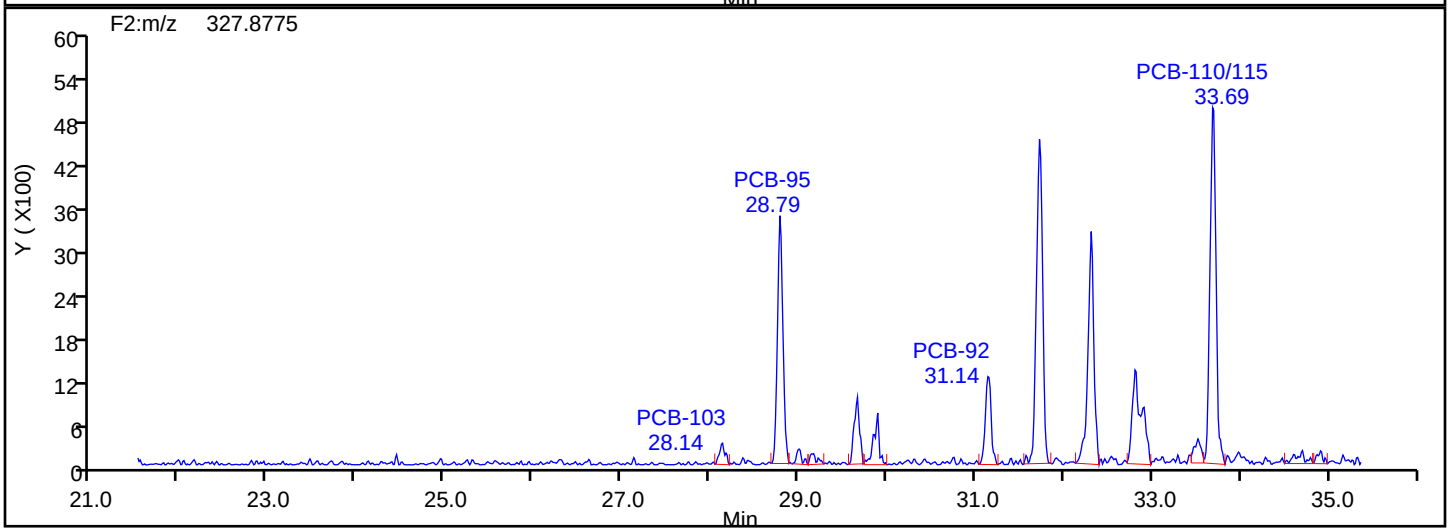



Eurofins TestAmerica, Knoxville

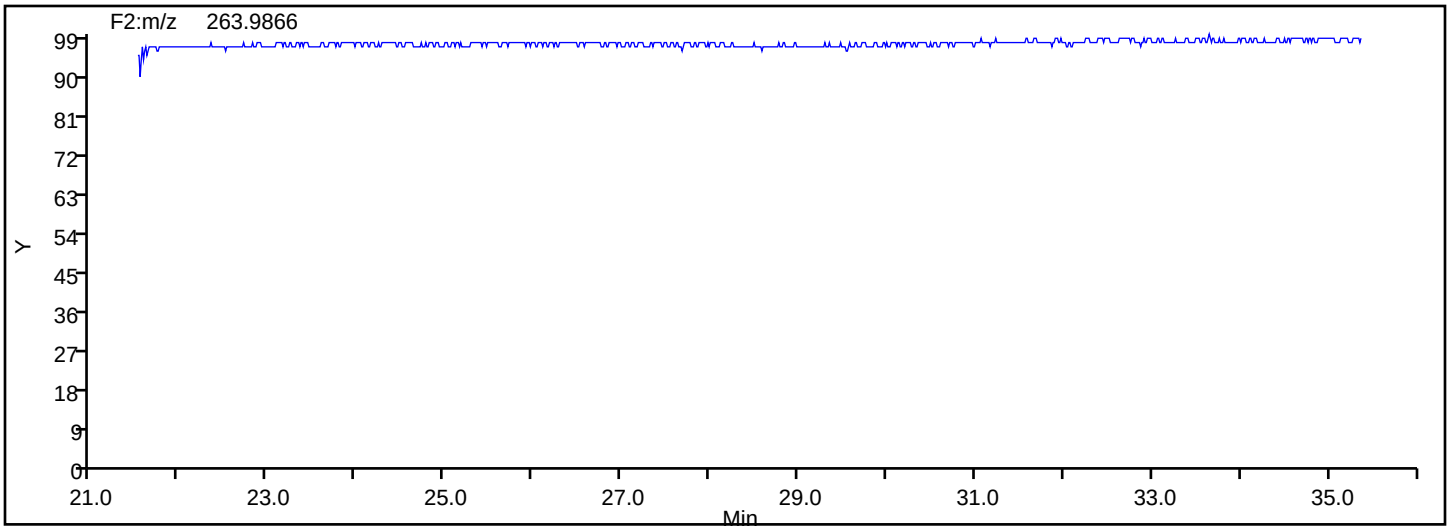
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

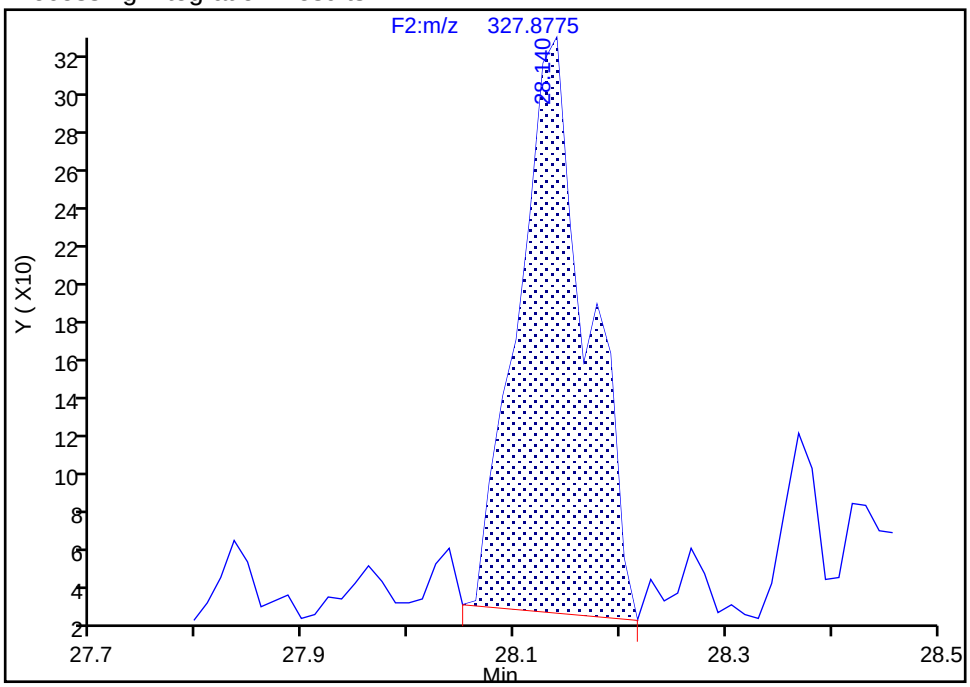
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-103, CAS: 60145-21-3

Signal: 2

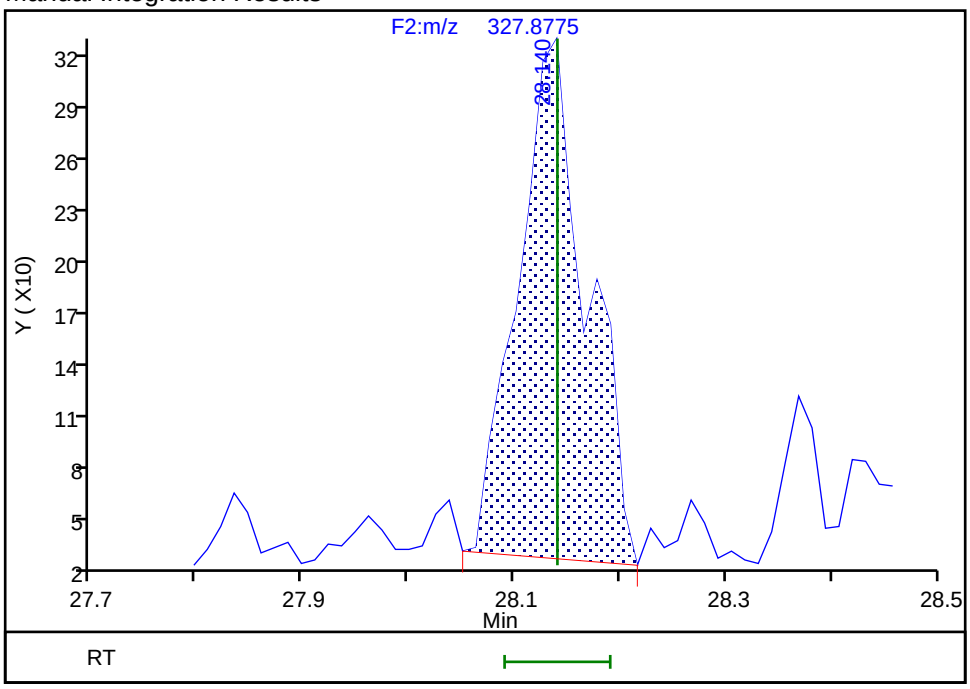
Processing Integration Results

RT: 28.14
Area: 1333
Amount: 0.172539
Amount Units: pg/ul




Manual Integration Results

RT: 28.14
Area: 1333
Amount: 0.162560
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:38:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

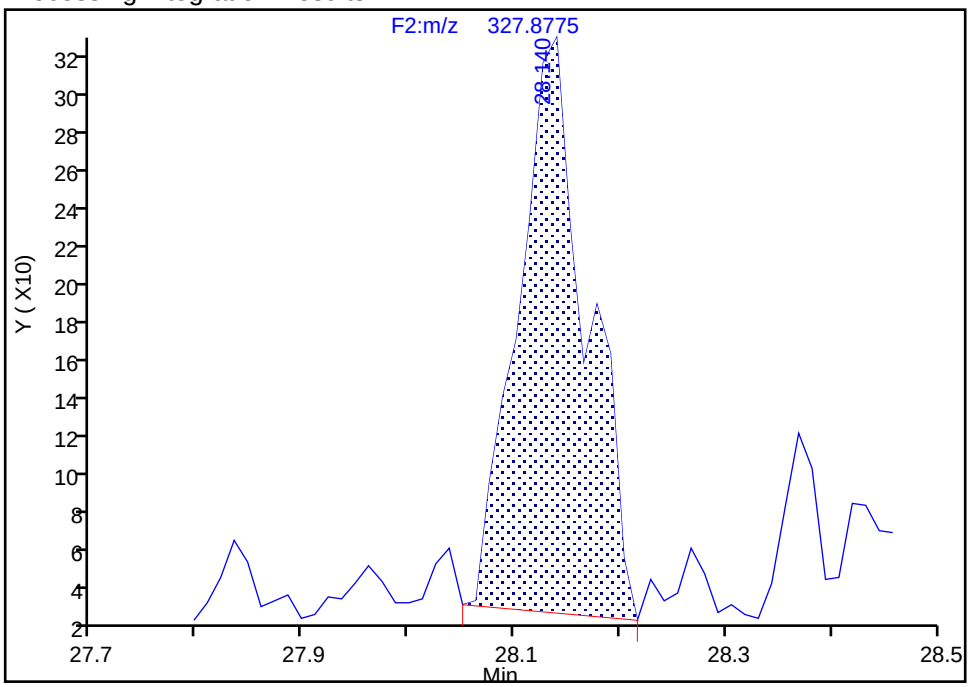
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-103, CAS: 60145-21-3

Signal: 3

Processing Integration Results

RT: 28.17
Area: 3527
Amount: 0.172539
Amount Units: pg/ul




Manual Integration Results

RT: 28.17
Area: 3323
Amount: 0.162560
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:38:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

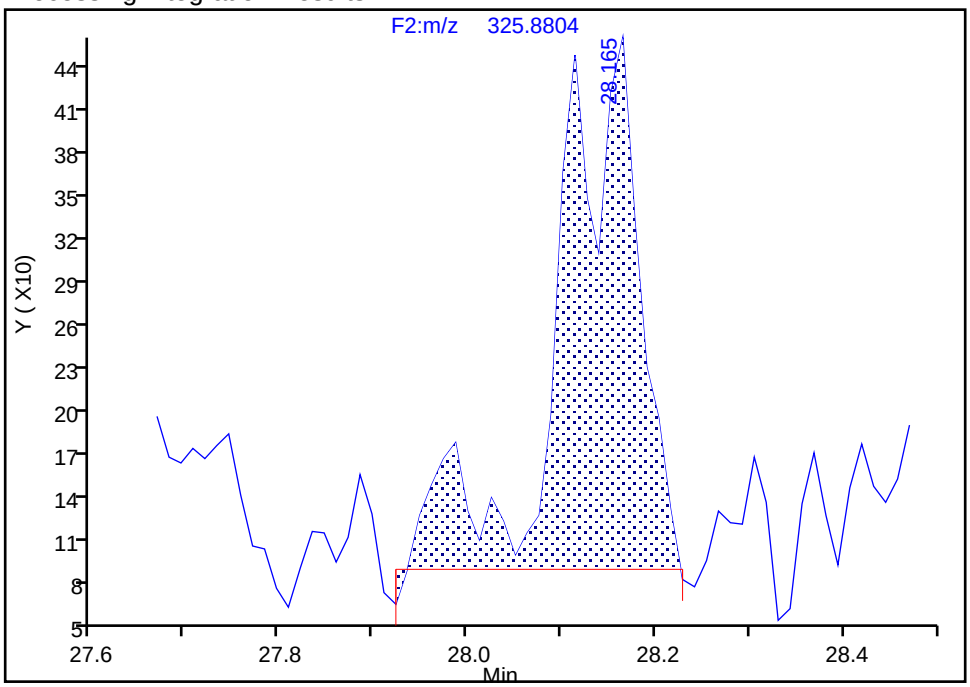
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-103, CAS: 60145-21-3

Signal: 1

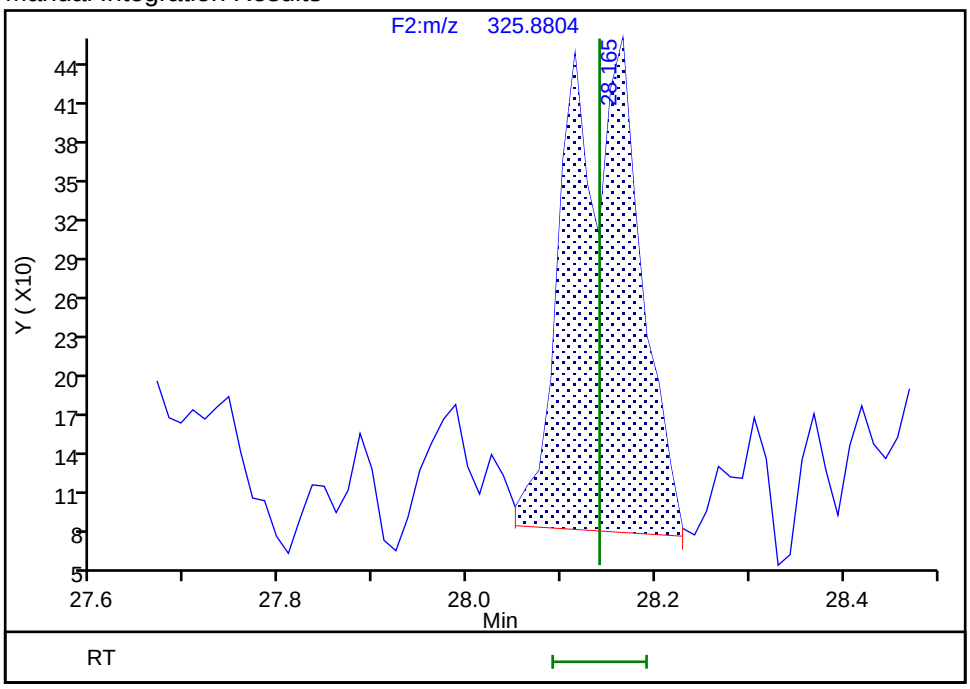
Processing Integration Results

RT: 28.17
Area: 2194
Amount: 0.172539
Amount Units: pg/ul




Manual Integration Results

RT: 28.17
Area: 1990
Amount: 0.162560
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:38:36

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

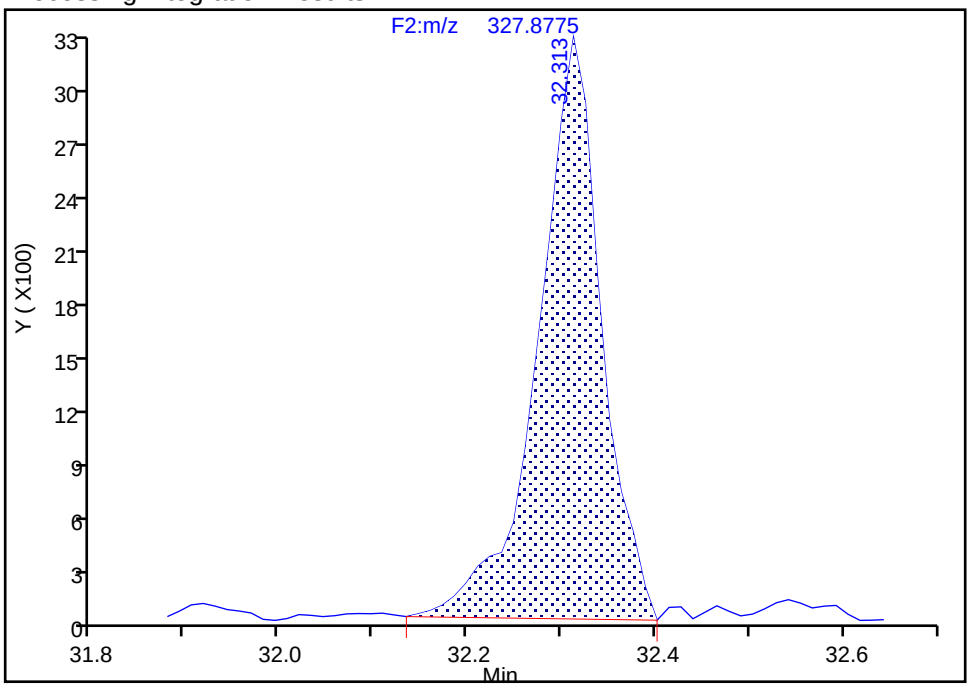
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

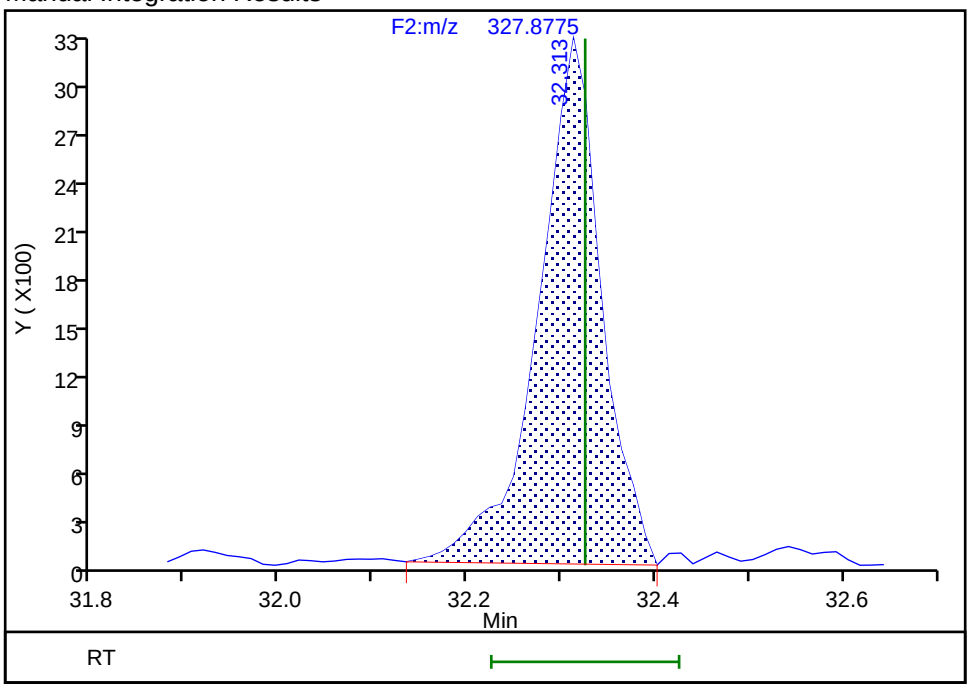
Processing Integration Results

RT: 32.31
Area: 15101
Amount: 2.019415
Amount Units: pg/ul




Manual Integration Results

RT: 32.31
Area: 15101
Amount: 2.086937
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:38:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

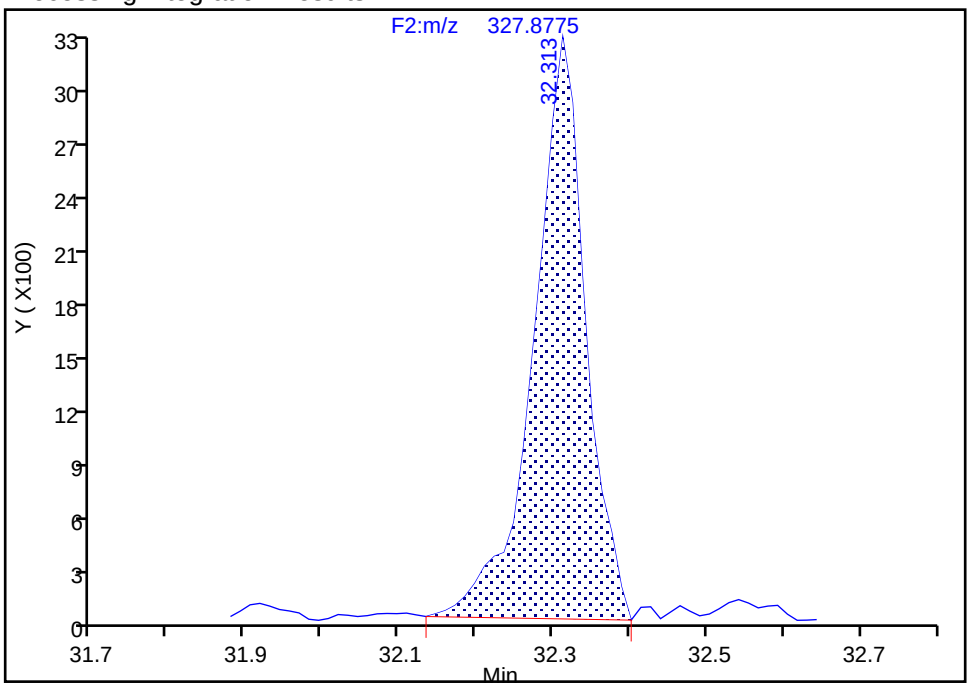
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.31
Area: 37534
Amount: 2.019415
Amount Units: pg/ul




Manual Integration Results

RT: 32.31
Area: 38789
Amount: 2.086937
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:38:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

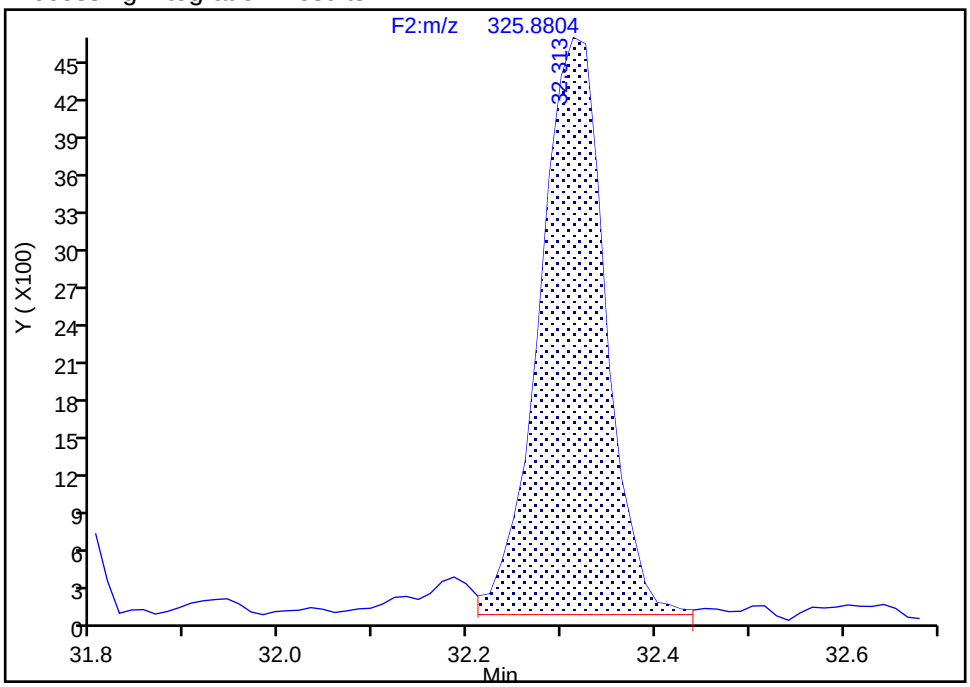
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

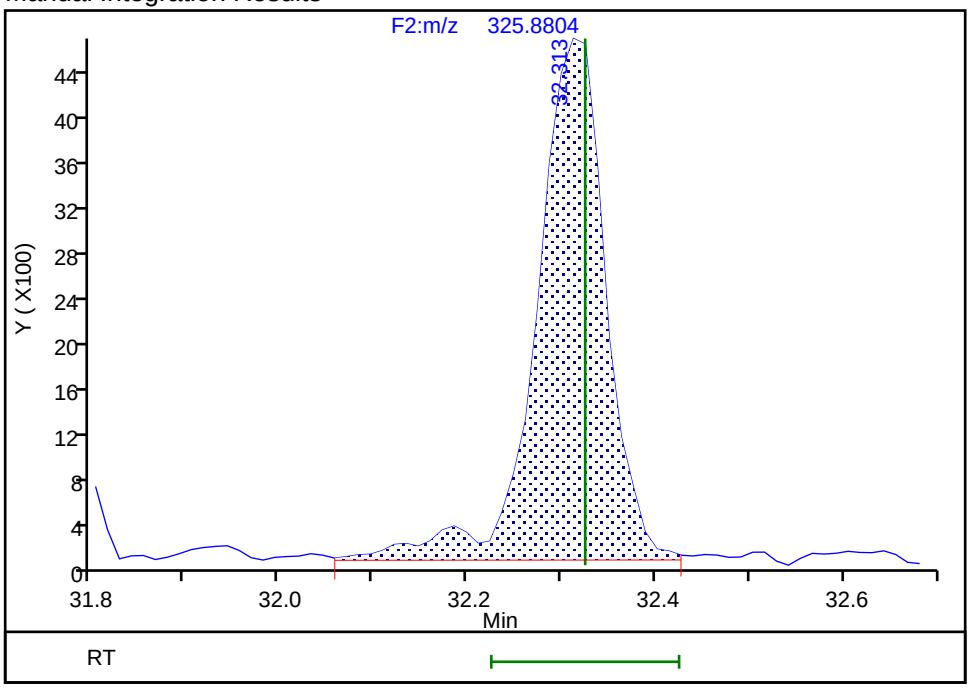
Processing Integration Results

RT: 32.31
Area: 22433
Amount: 2.019415
Amount Units: pg/ul




Manual Integration Results

RT: 32.31
Area: 23688
Amount: 2.086937
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:38:55

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

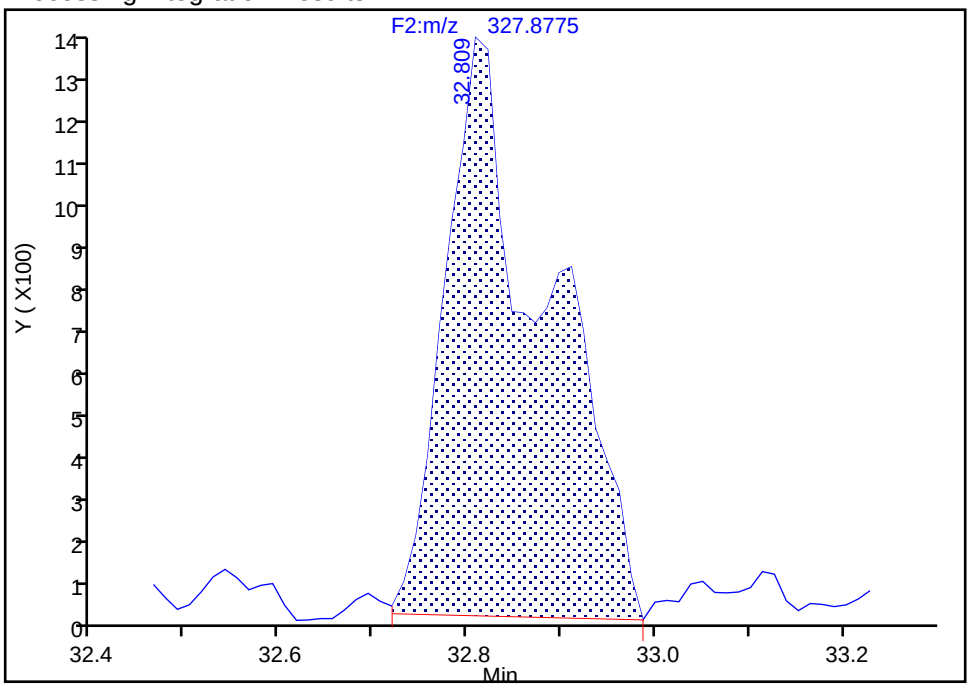
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

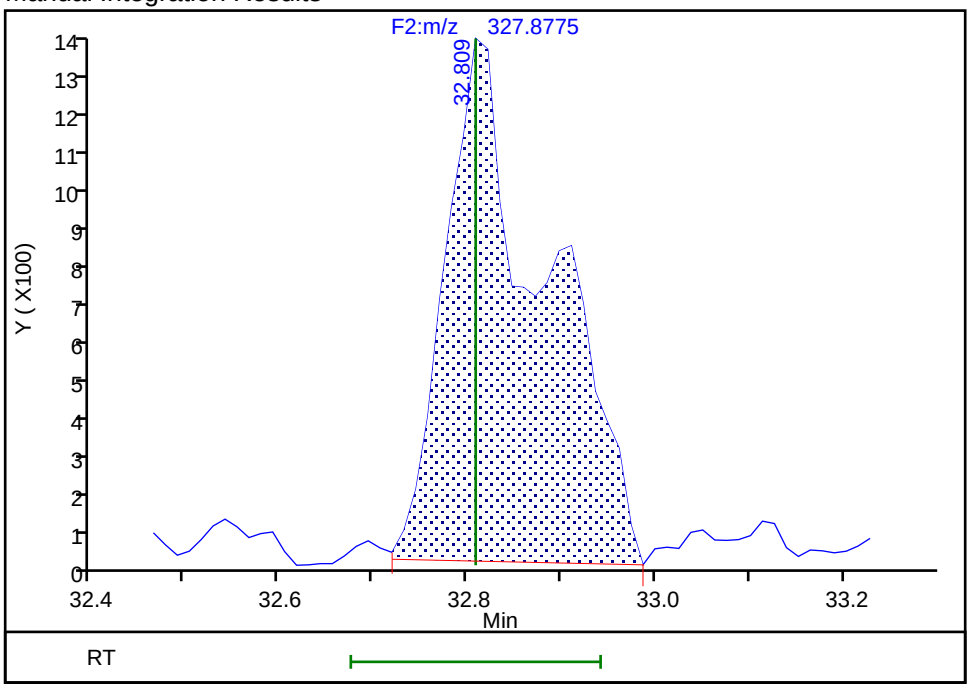
Processing Integration Results

RT: 32.81
Area: 9788
Amount: 0.827601
Amount Units: pg/ul




Manual Integration Results

RT: 32.81
Area: 9788
Amount: 1.061613
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:39:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

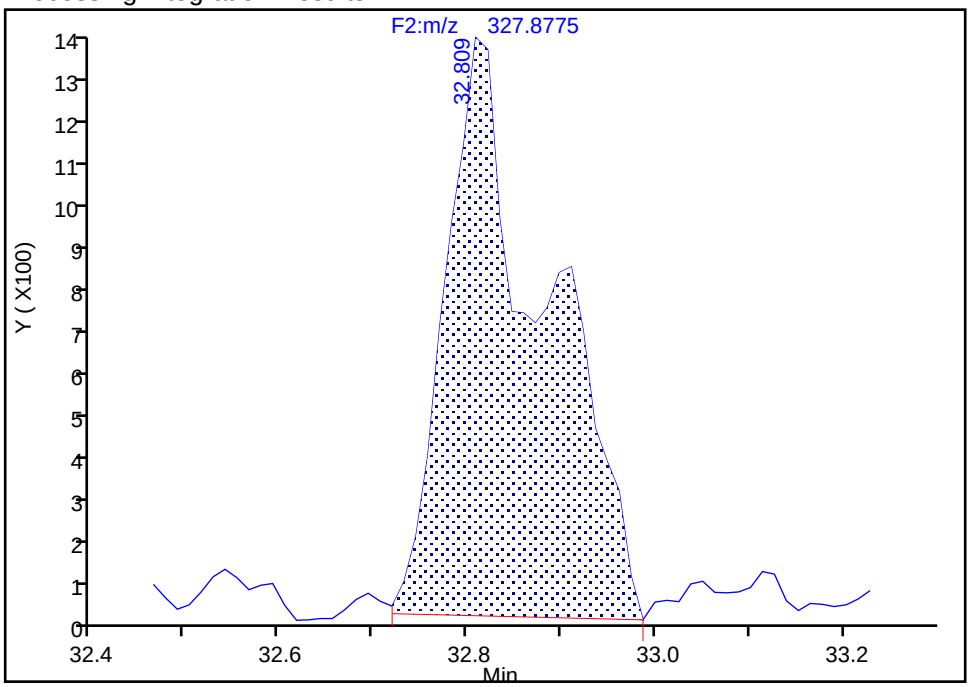
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.82
Area: 19582
Amount: 0.827601
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 25119
Amount: 1.061613
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:39:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

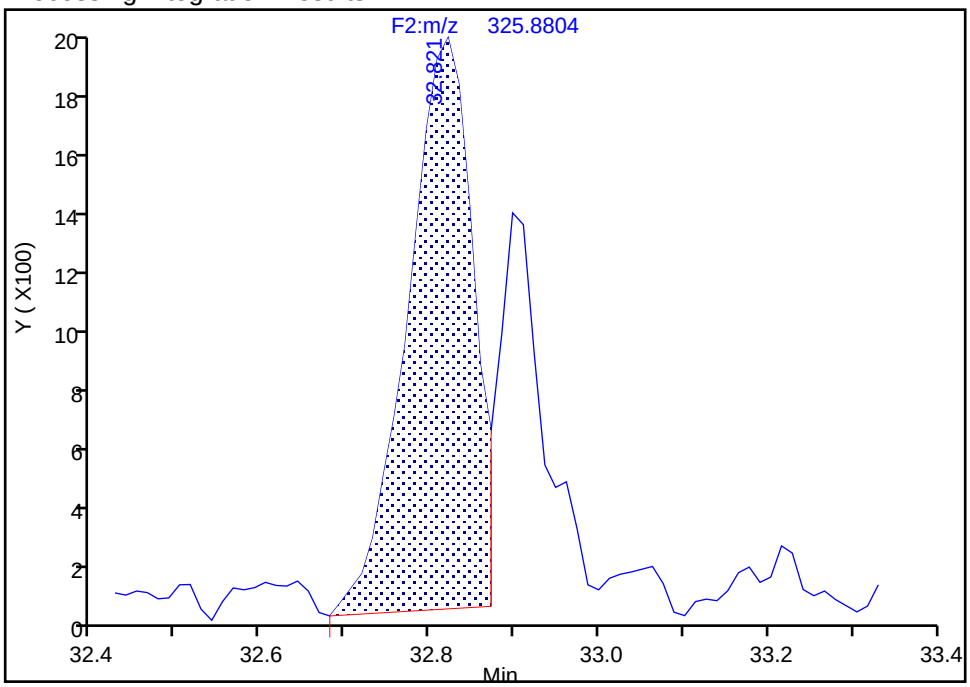
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

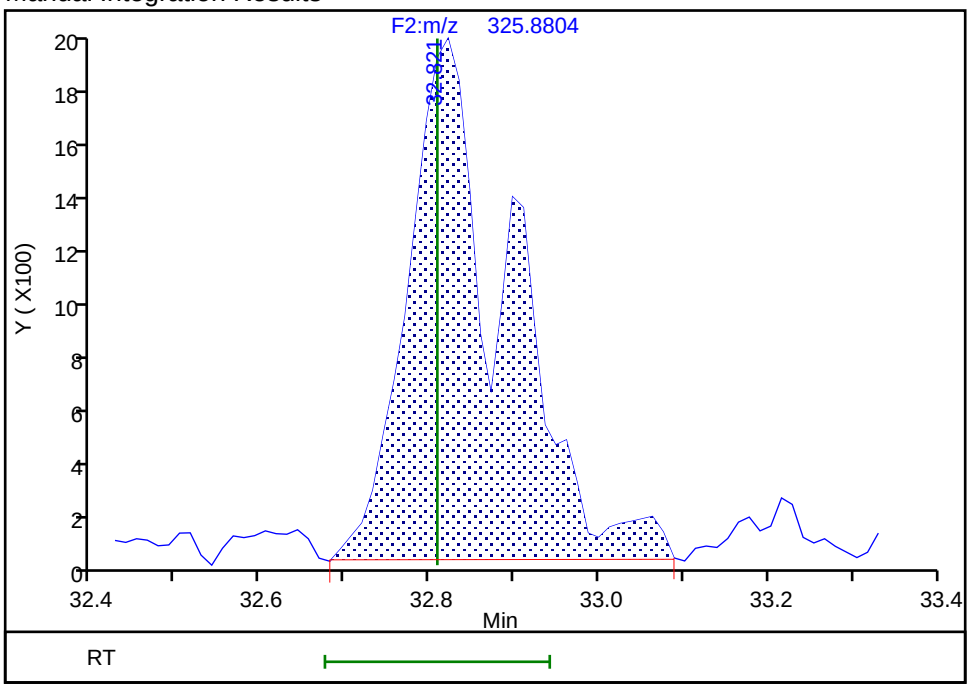
Processing Integration Results

RT: 32.82
Area: 9794
Amount: 0.827601
Amount Units: pg/ul




Manual Integration Results

RT: 32.82
Area: 15331
Amount: 1.061613
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:39:06

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

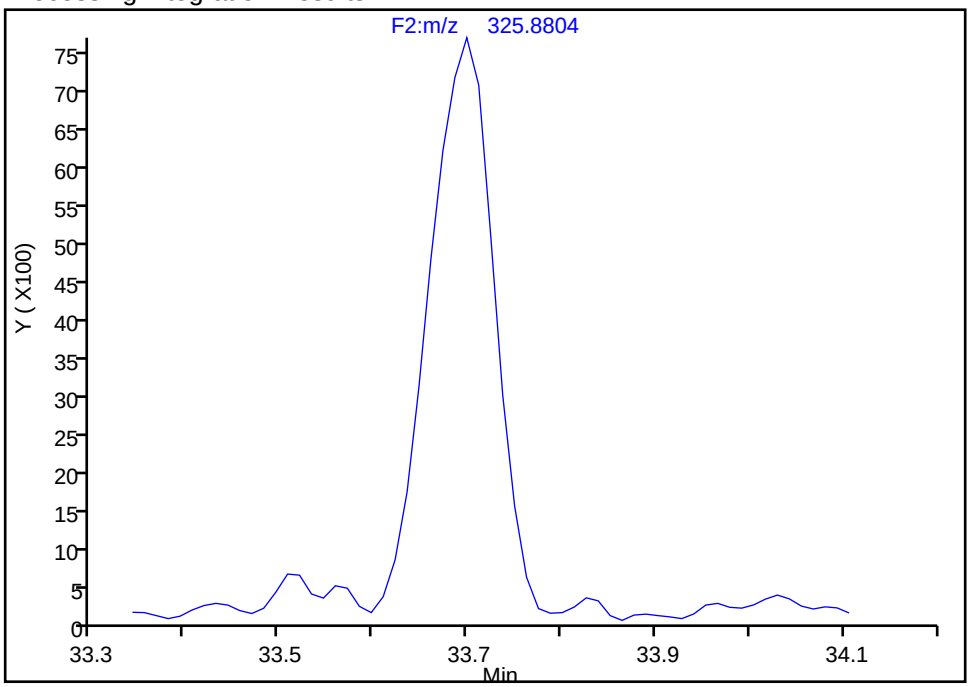
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

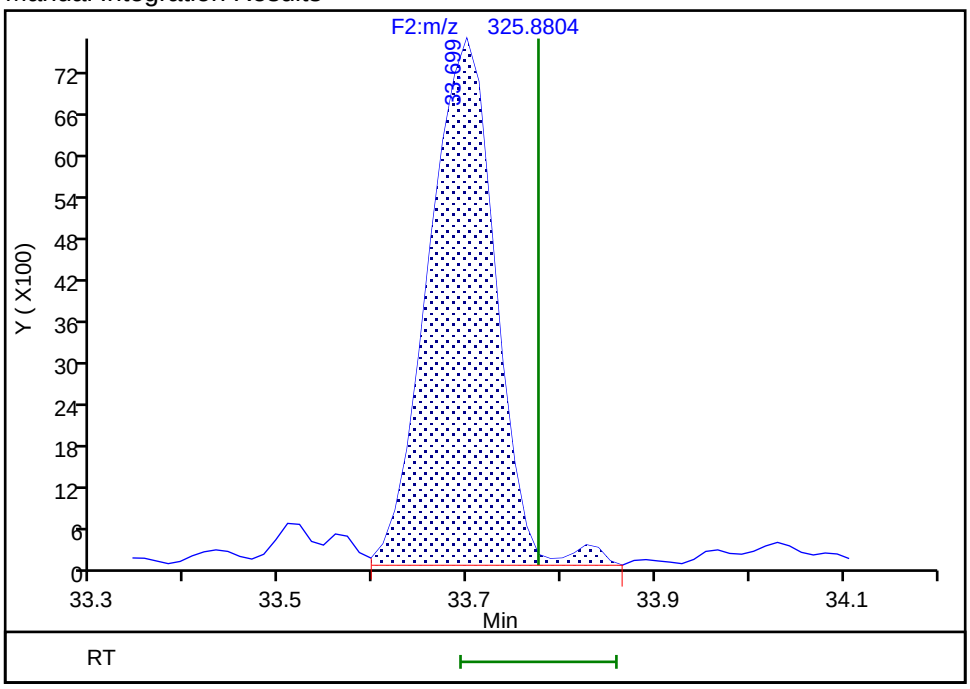
Not Detected
Expected RT: 33.78

Processing Integration Results




Manual Integration Results

RT: 33.70
Area: 37704
Amount: 2.294499
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:39:17
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

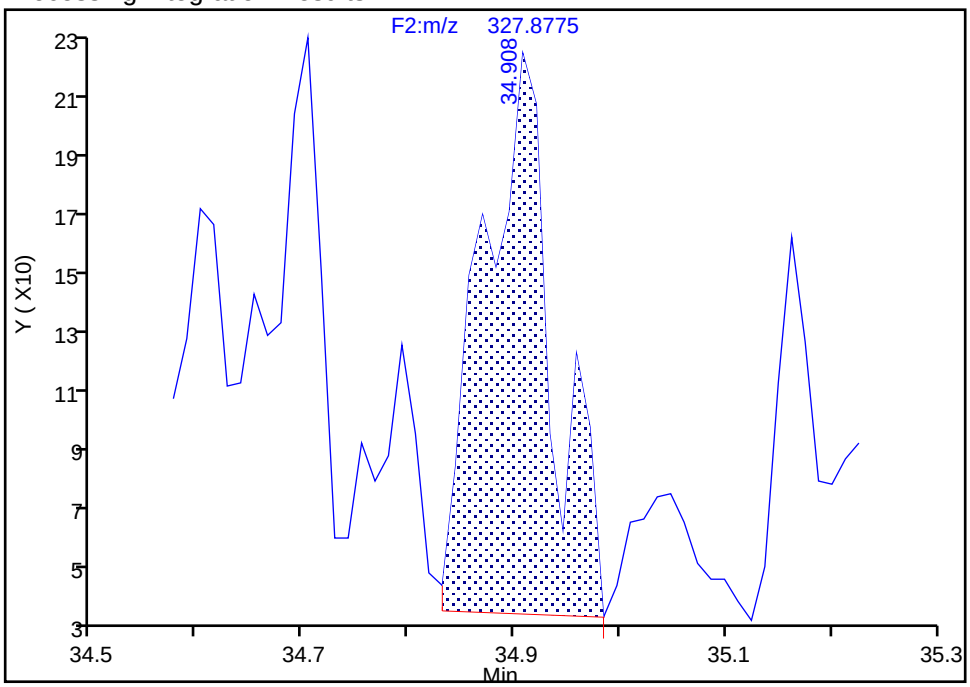
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-120, CAS: 68194-12-7

Signal: 2

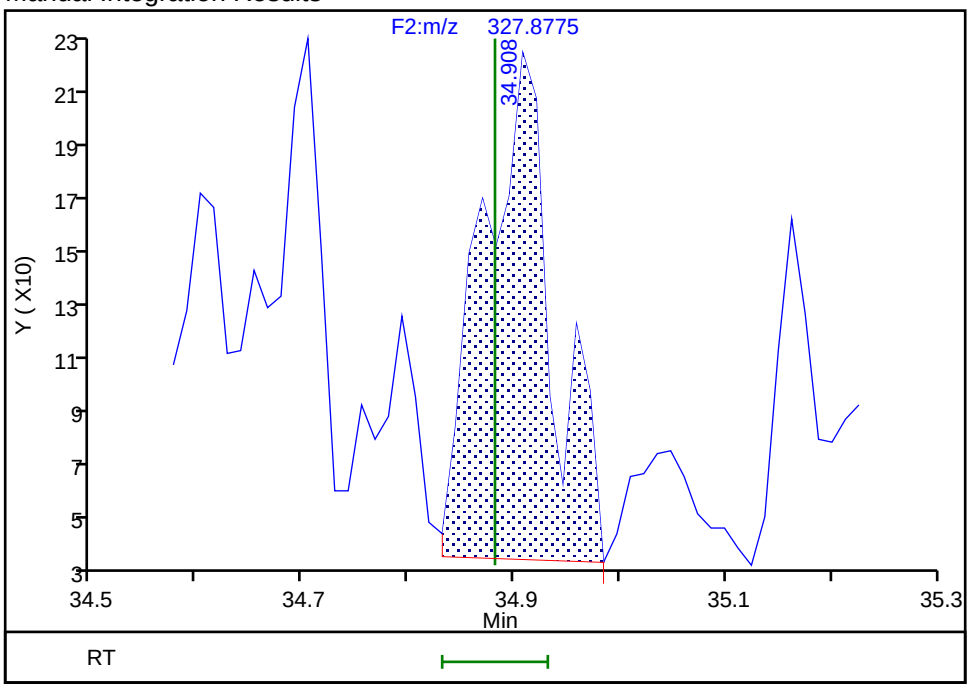
Processing Integration Results

RT: 34.91
Area: 824
Amount: 0.192964
Amount Units: pg/ul




Manual Integration Results

RT: 34.91
Area: 824
Amount: 0.096618
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:39:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

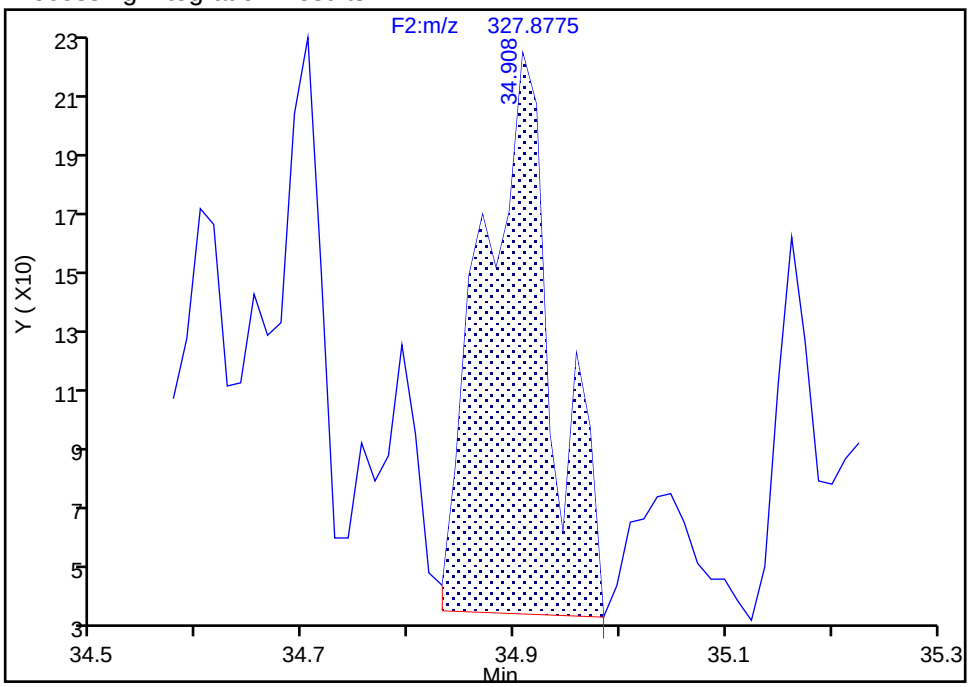
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-120, CAS: 68194-12-7

Signal: 3

Processing Integration Results

RT: 34.87
Area: 5692
Amount: 0.192964
Amount Units: pg/ul




Manual Integration Results

RT: 34.87
Area: 2850
Amount: 0.096618
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:39:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

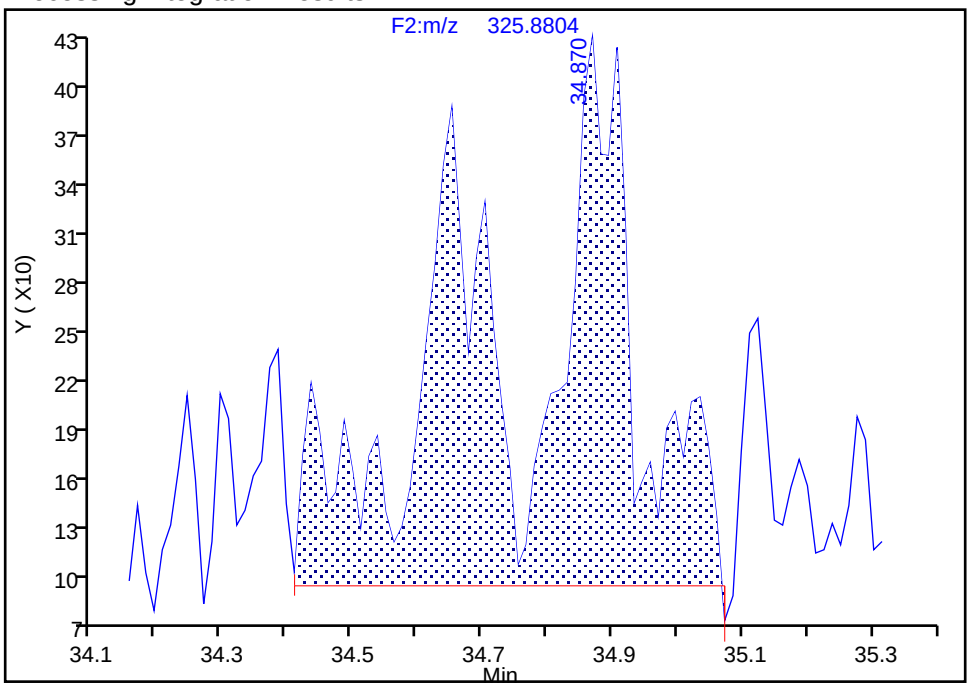
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-120, CAS: 68194-12-7

Signal: 1

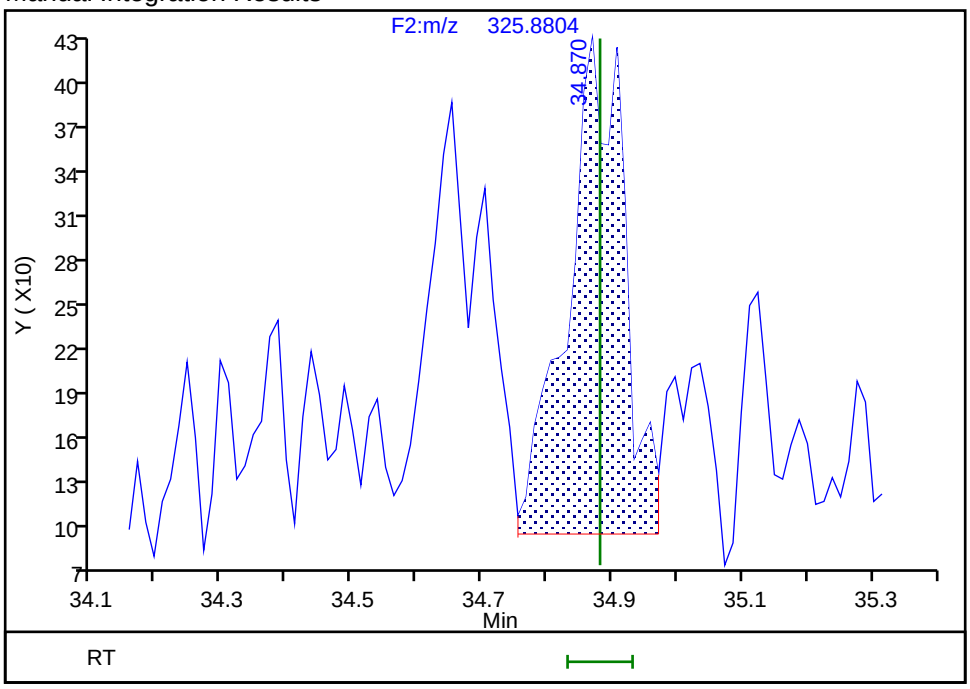
Processing Integration Results

RT: 34.87
Area: 4868
Amount: 0.192964
Amount Units: pg/ul




Manual Integration Results

RT: 34.87
Area: 2026
Amount: 0.096618
Amount Units: pg/ul



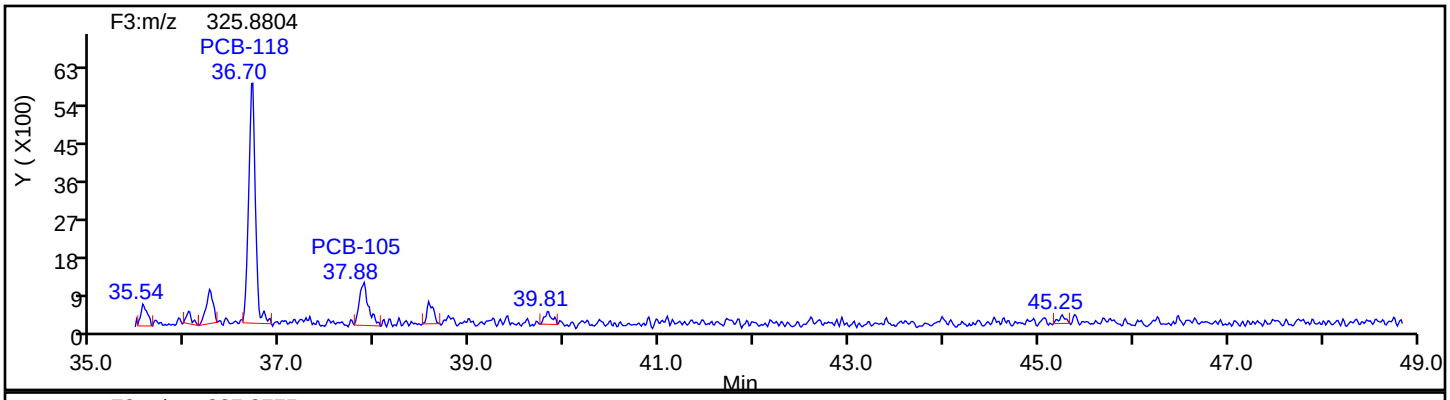

Reviewer: mcwhirterl, 04-Oct-2019 00:39:39

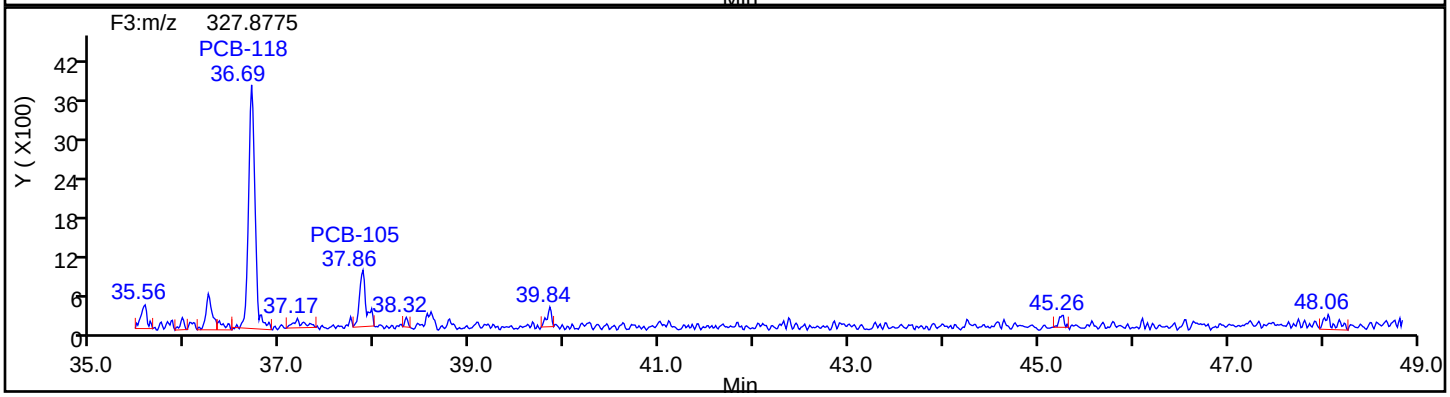
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

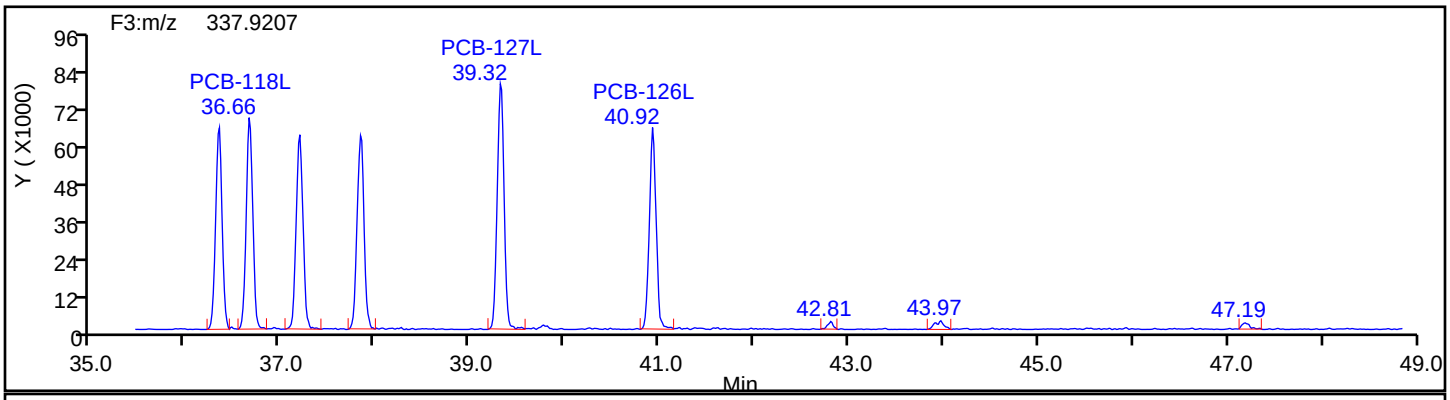
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

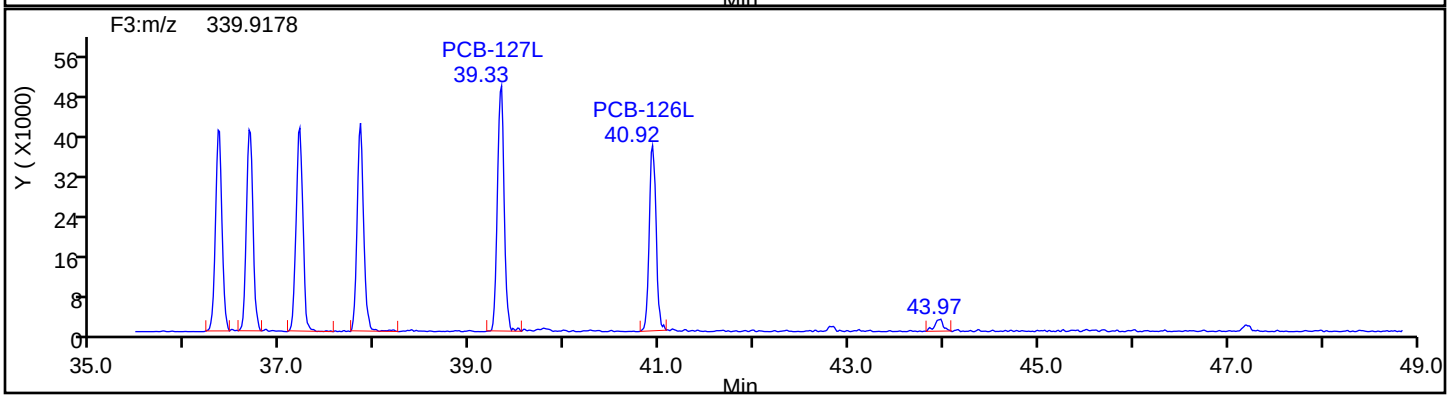
PePCB F3




PePCB F3 Standards

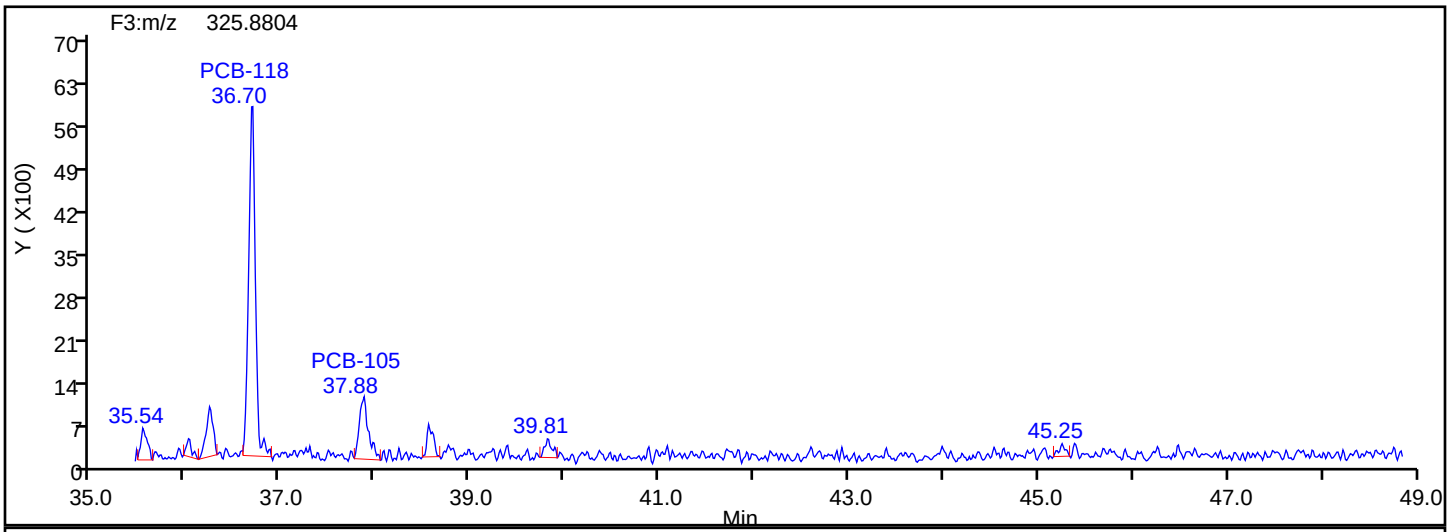


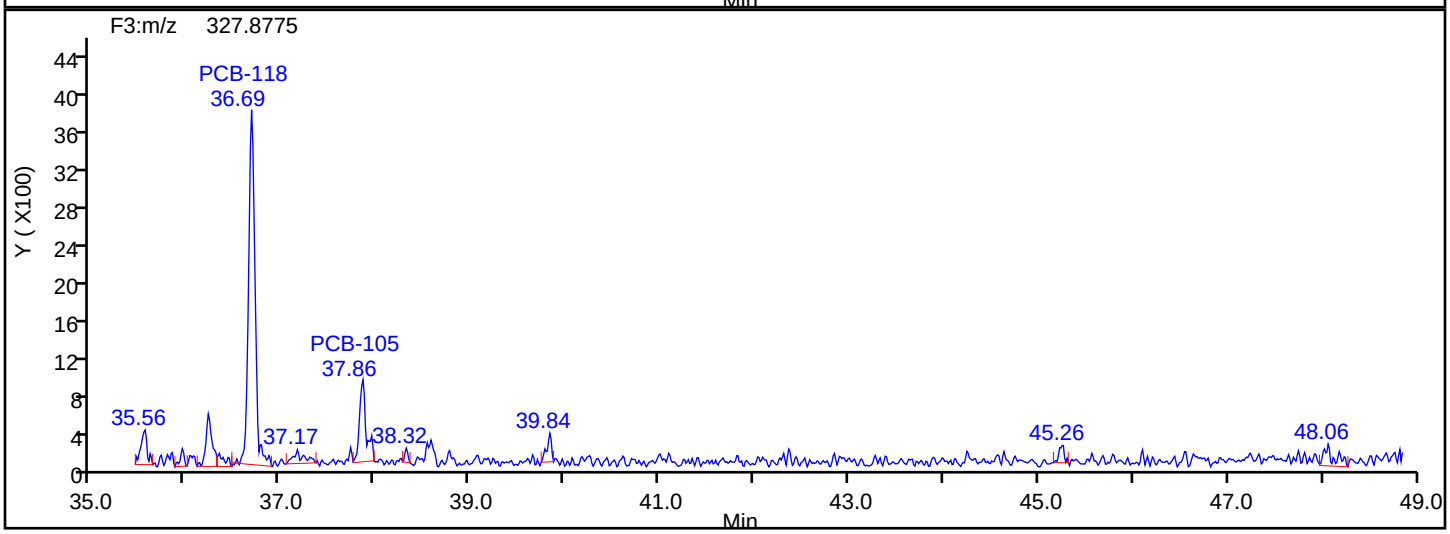



Eurofins TestAmerica, Knoxville

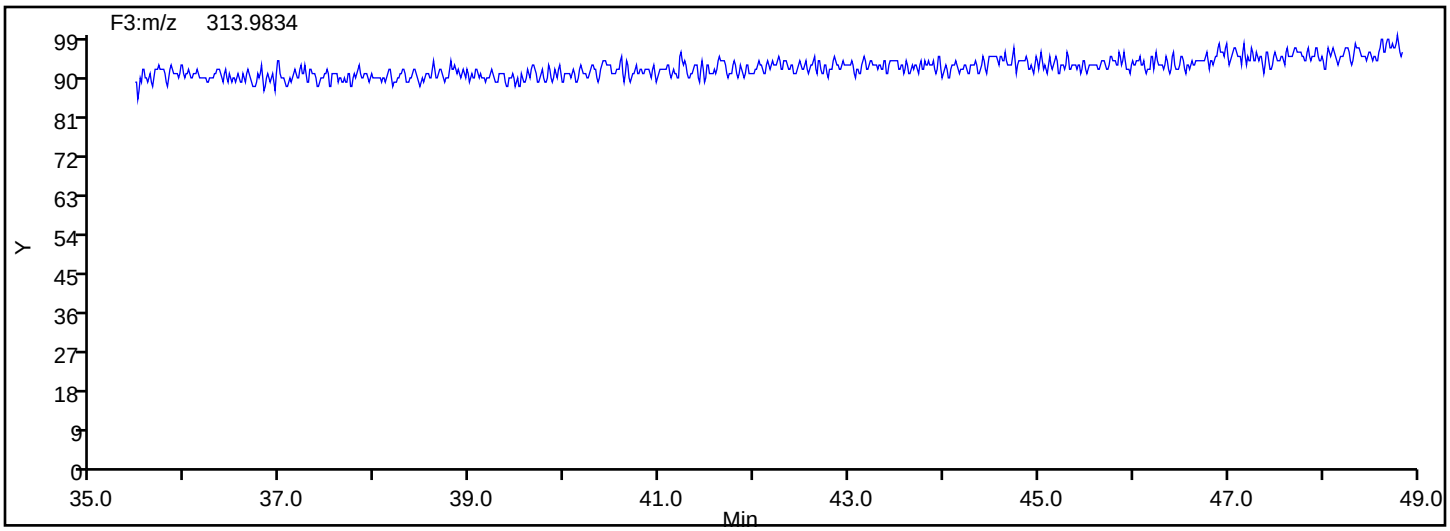
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

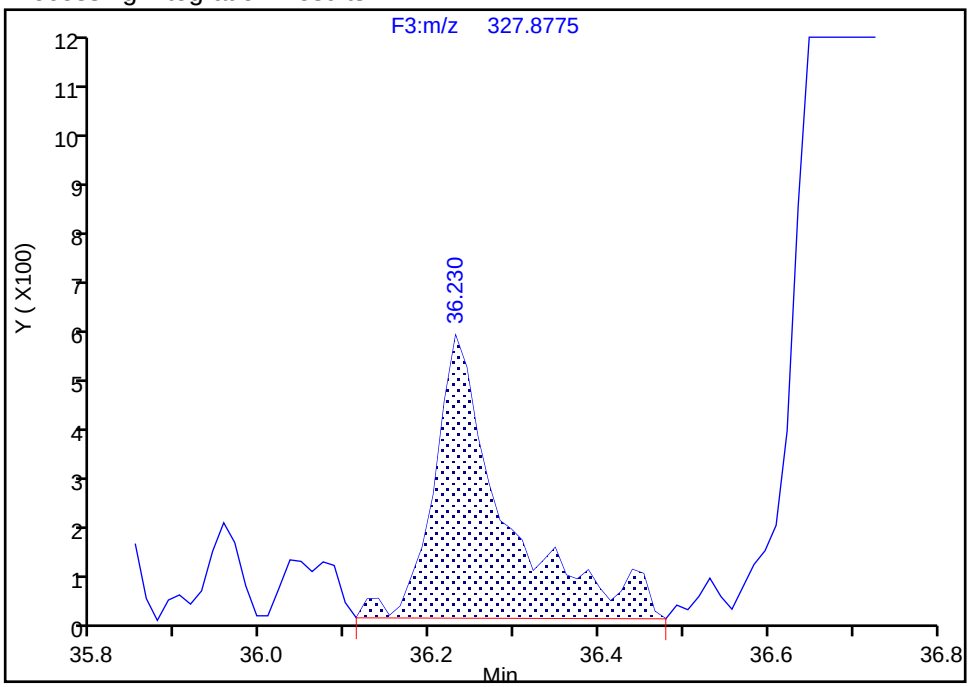
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

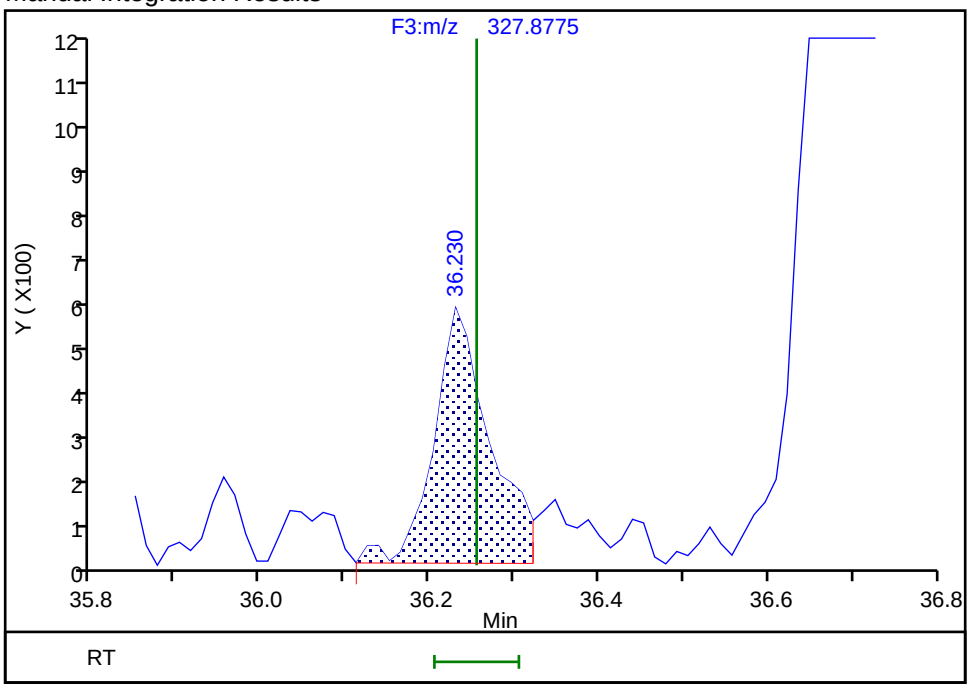
Processing Integration Results

RT: 36.23
Area: 3251
Amount: 0.210768
Amount Units: pg/ul




Manual Integration Results

RT: 36.23
Area: 2537
Amount: 0.190418
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:39:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

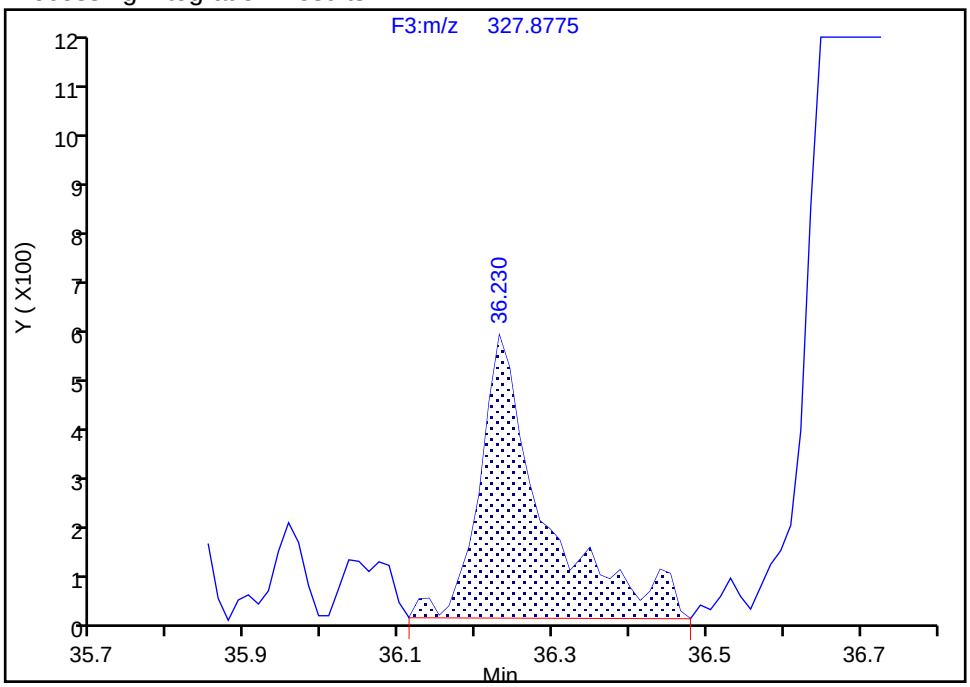
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 3

Processing Integration Results

RT: 36.24
Area: 7395
Amount: 0.210768
Amount Units: pg/ul




Manual Integration Results

RT: 36.24
Area: 6681
Amount: 0.190418
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:39:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

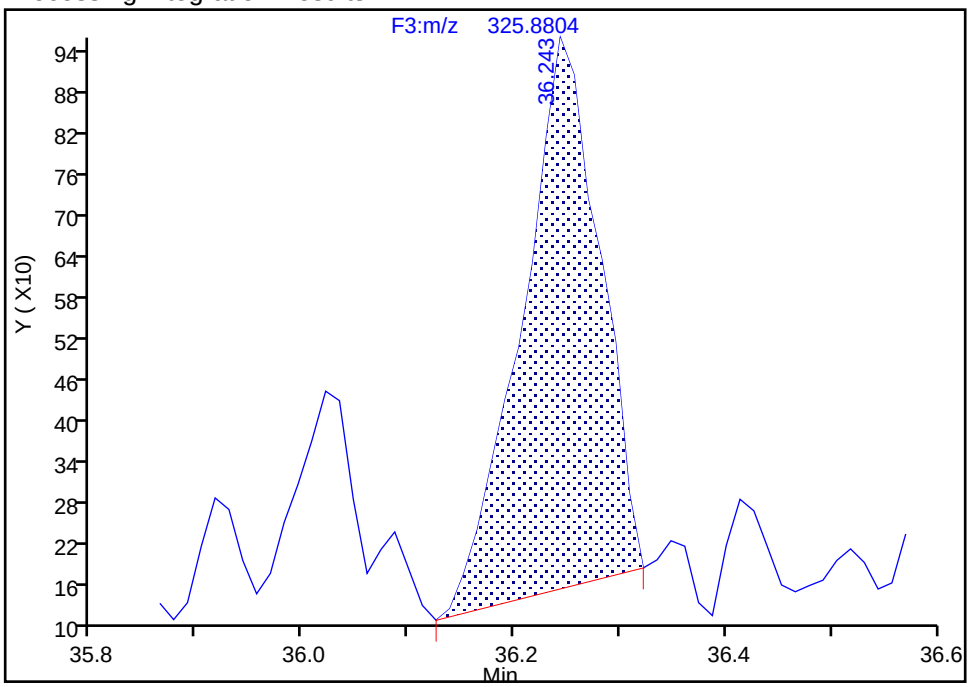
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

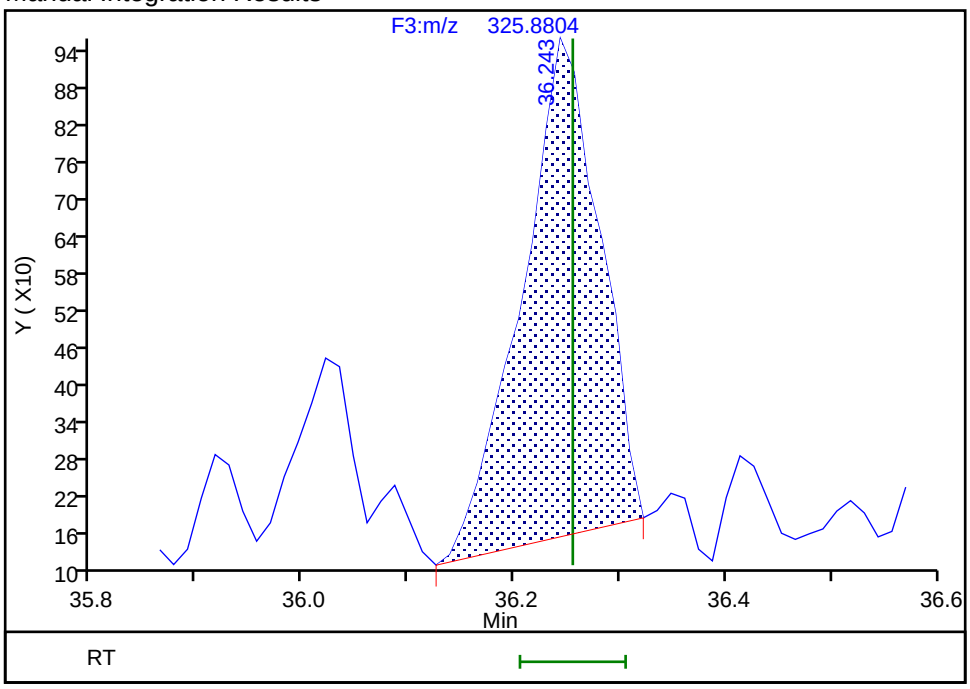
Processing Integration Results

RT: 36.24
Area: 4144
Amount: 0.210768
Amount Units: pg/ul




Manual Integration Results

RT: 36.24
Area: 4144
Amount: 0.190418
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:39:56

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

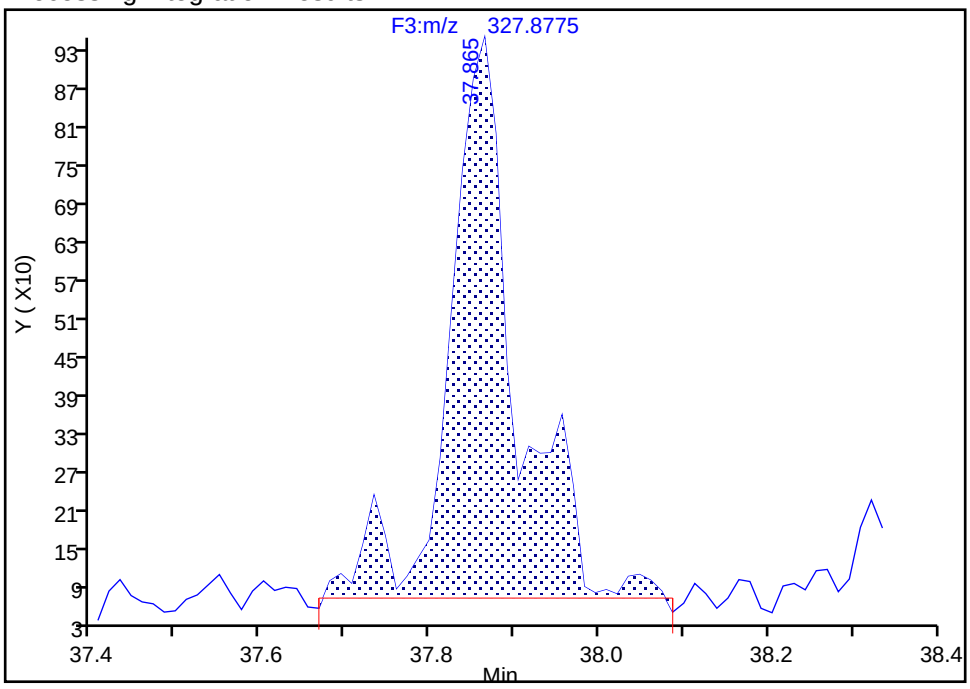
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105, CAS: 32598-14-4

Signal: 2

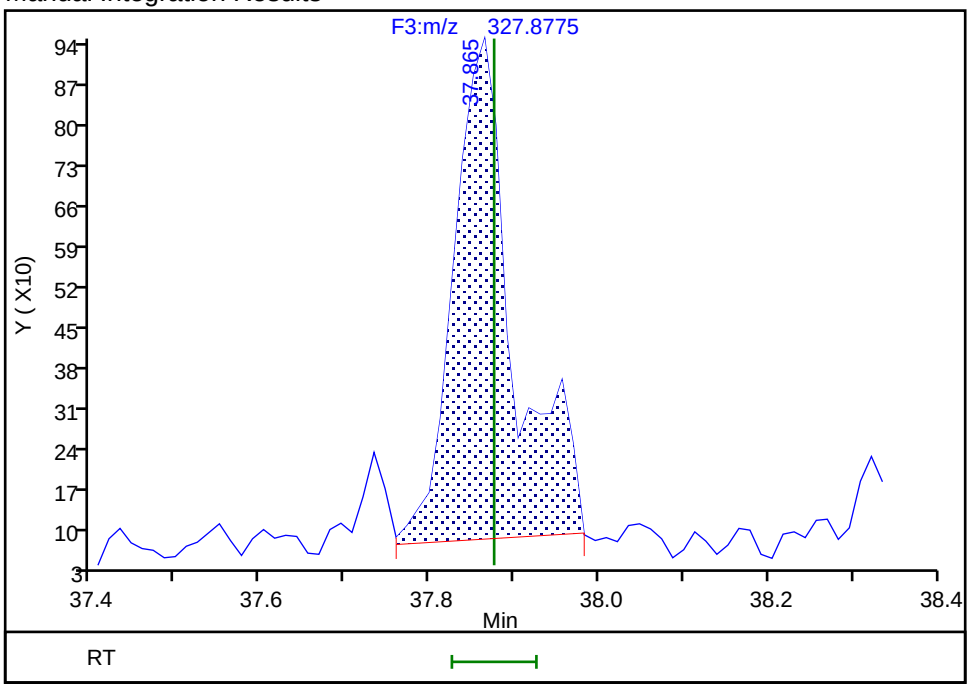
Processing Integration Results

RT: 37.86
Area: 4897
Amount: 0.350106
Amount Units: pg/ul




Manual Integration Results

RT: 37.86
Area: 4308
Amount: 0.330744
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:40:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

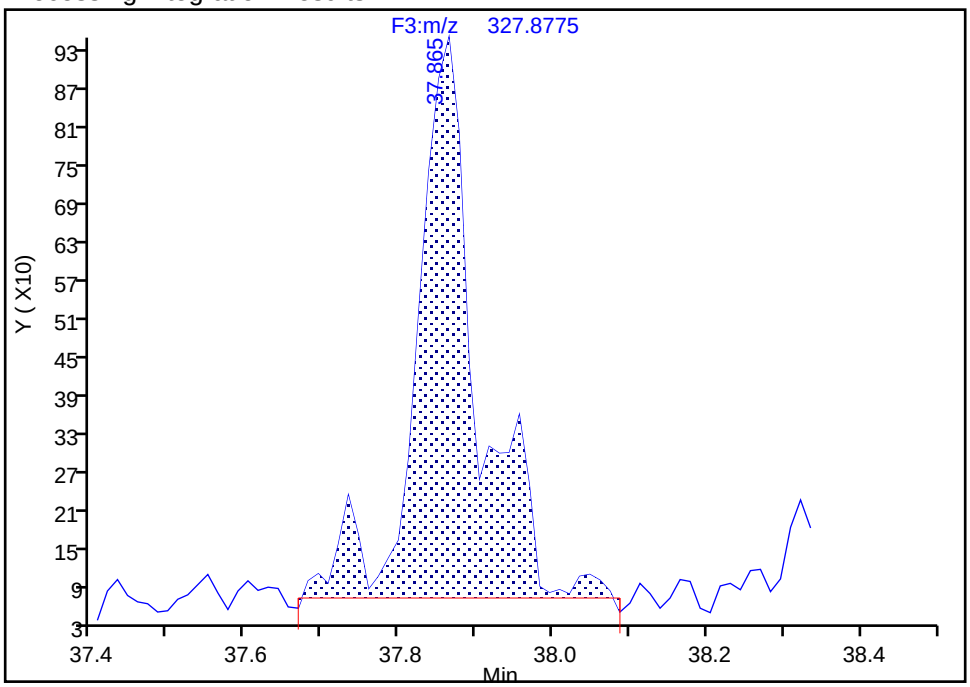
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105, CAS: 32598-14-4

Signal: 3

Processing Integration Results

RT: 37.88
Area: 11753
Amount: 0.350106
Amount Units: pg/ul




Manual Integration Results

RT: 37.88
Area: 11103
Amount: 0.330744
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:40:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

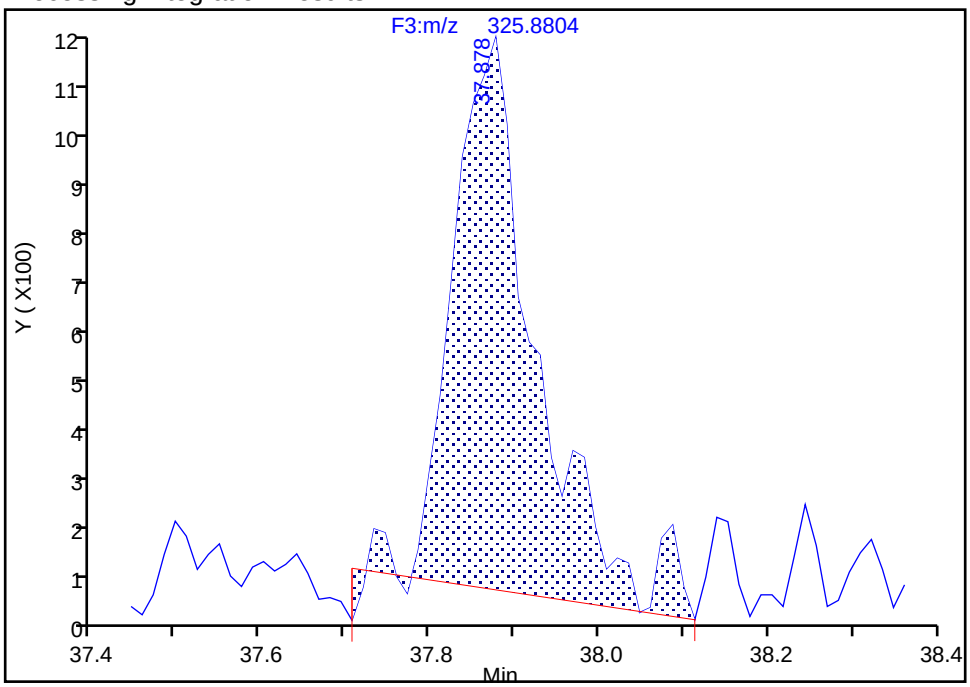
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105, CAS: 32598-14-4

Signal: 1

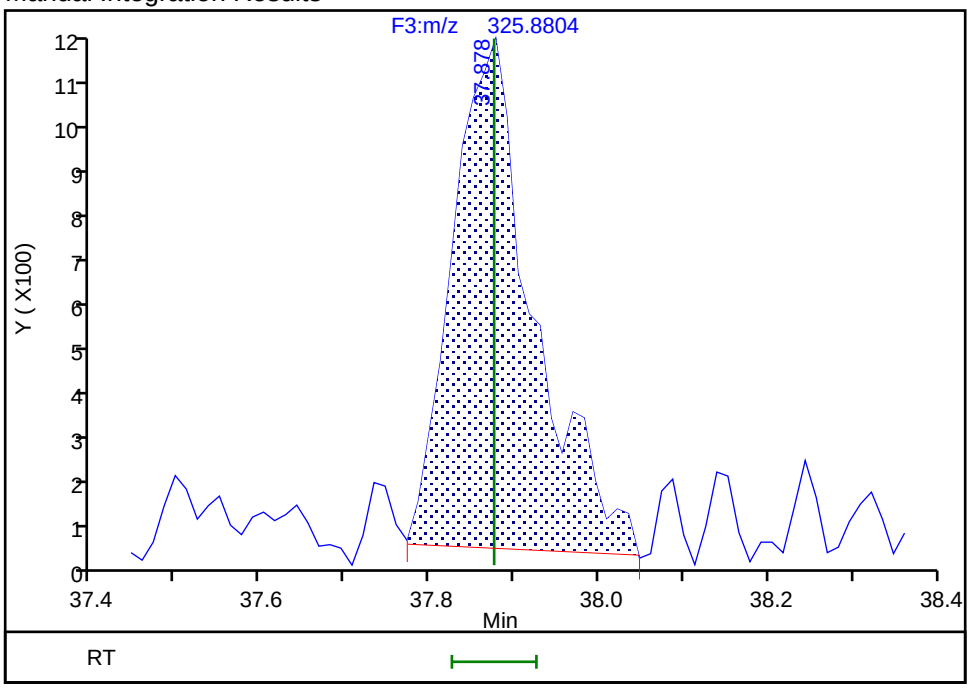
Processing Integration Results

RT: 37.88
Area: 6856
Amount: 0.350106
Amount Units: pg/ul




Manual Integration Results

RT: 37.88
Area: 6795
Amount: 0.330744
Amount Units: pg/ul



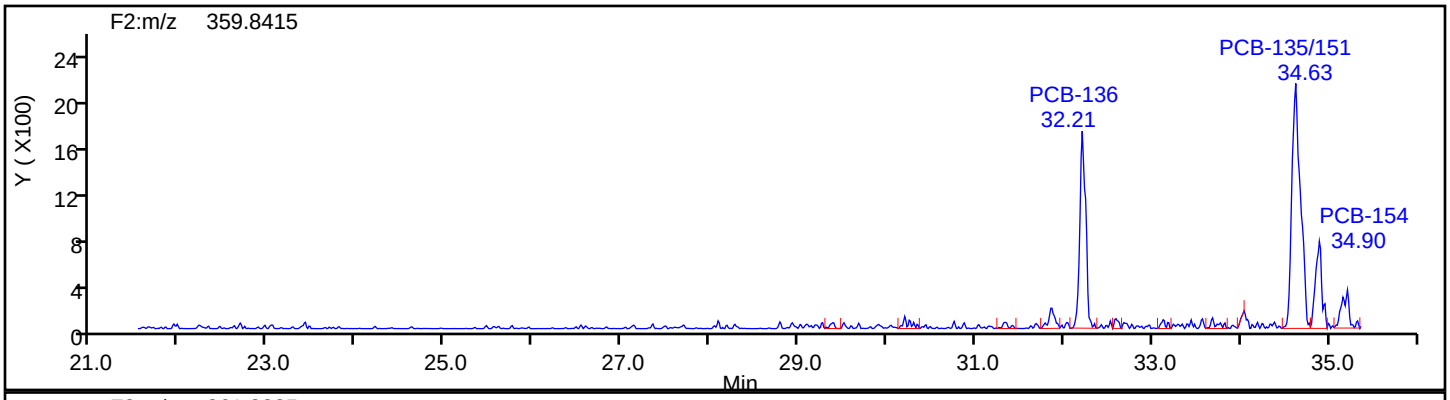

Reviewer: mcwhirterl, 04-Oct-2019 00:40:32

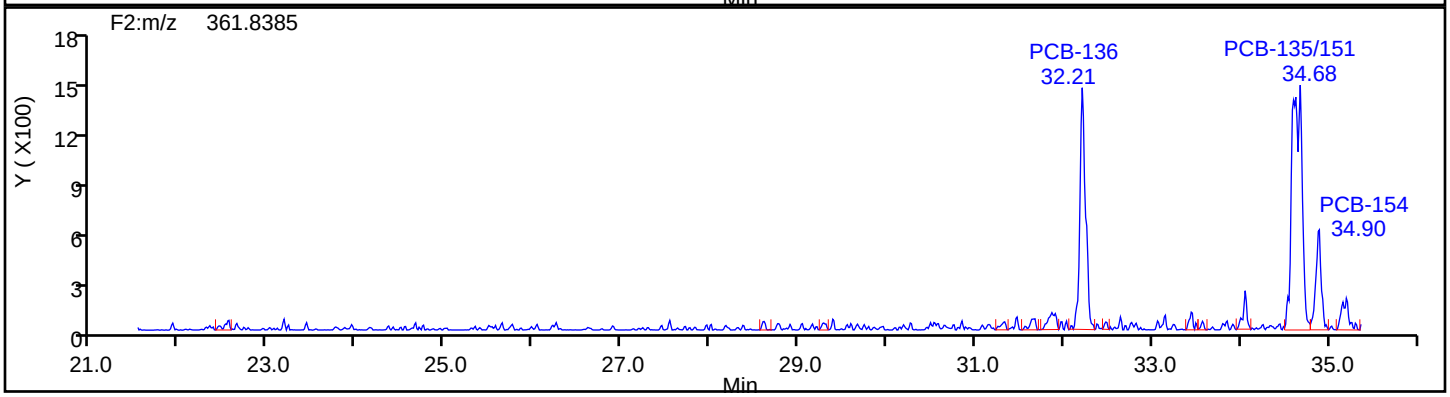
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

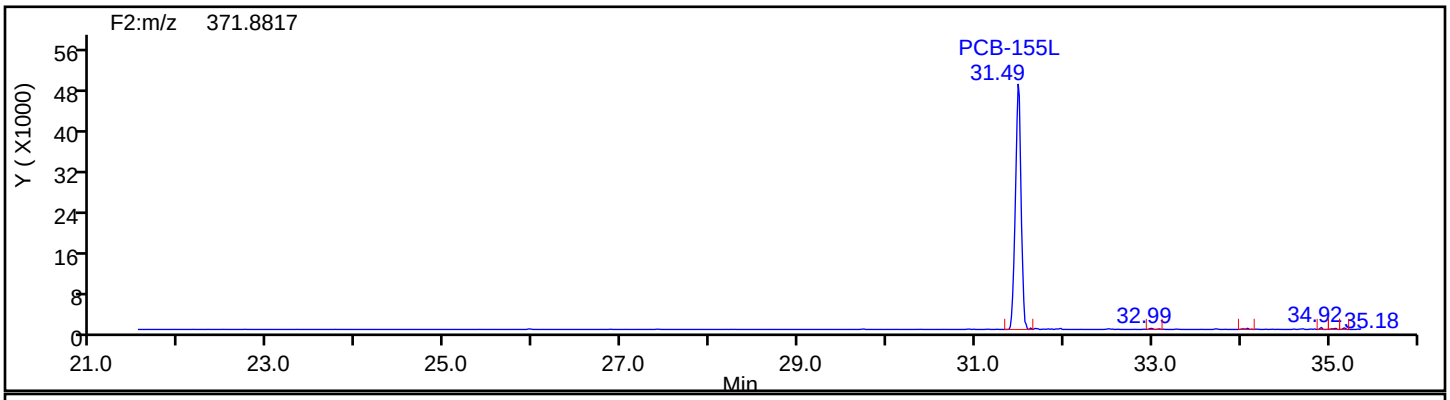
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

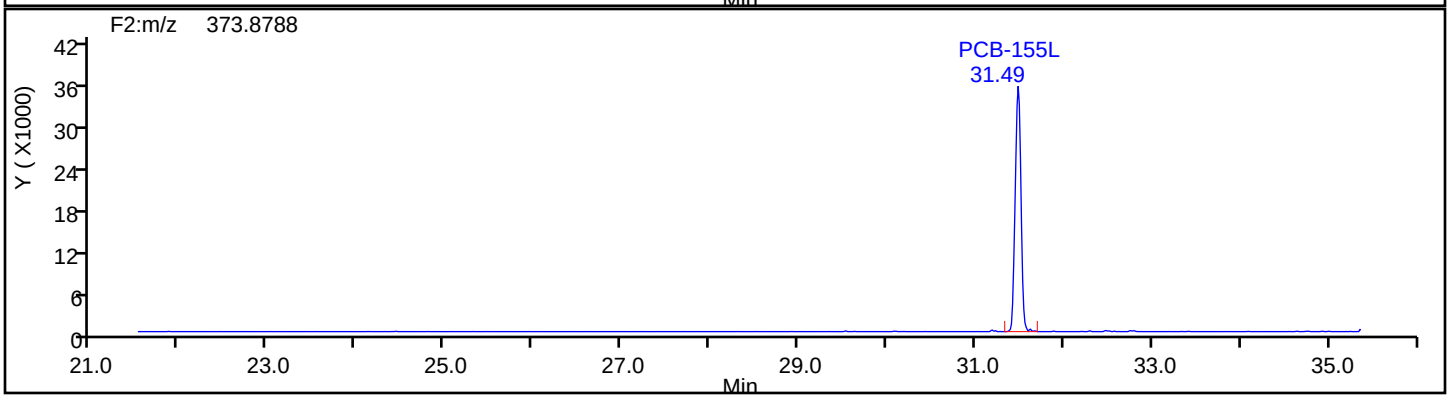
HxPCB F2




HxPCB F2 Standards

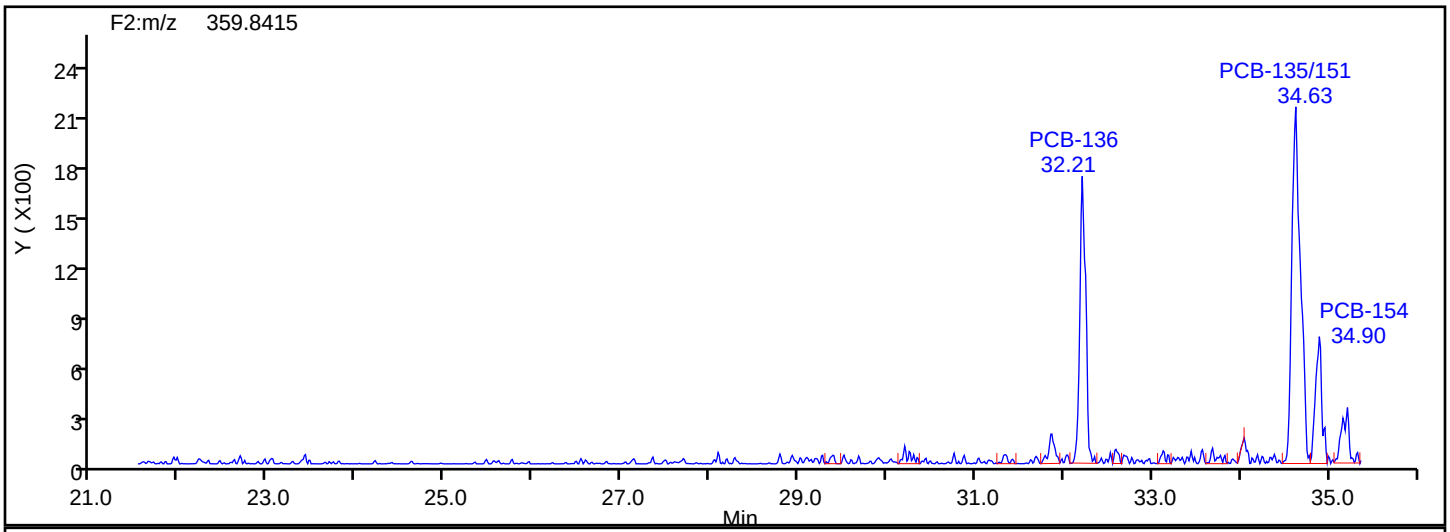


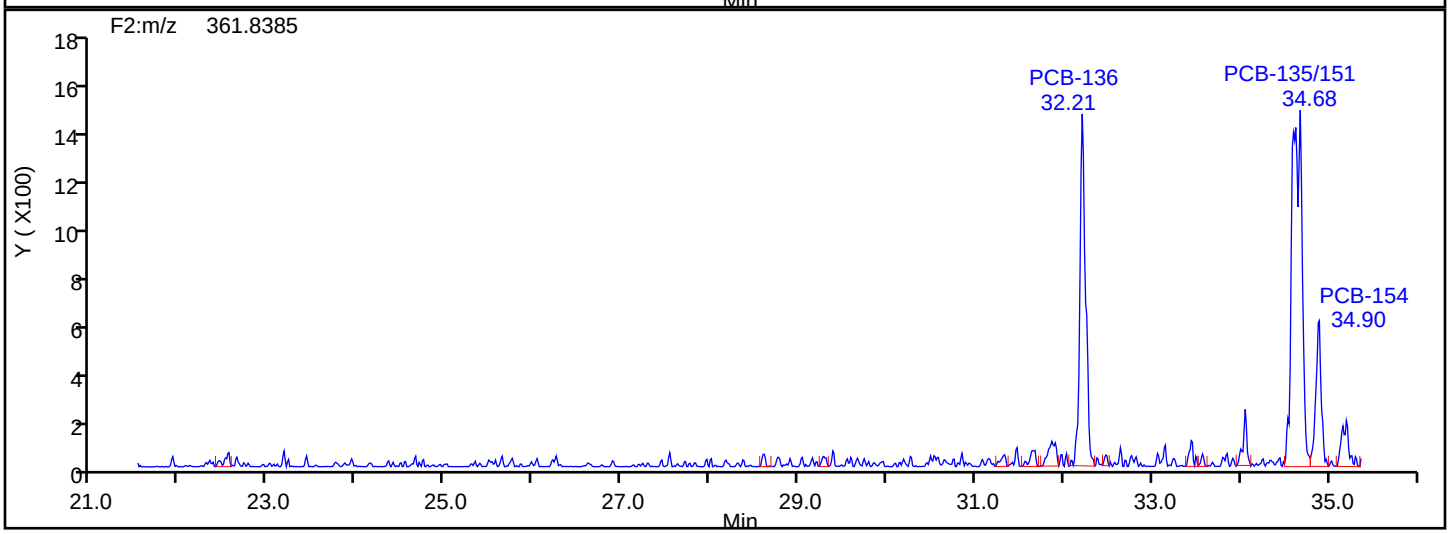



Eurofins TestAmerica, Knoxville

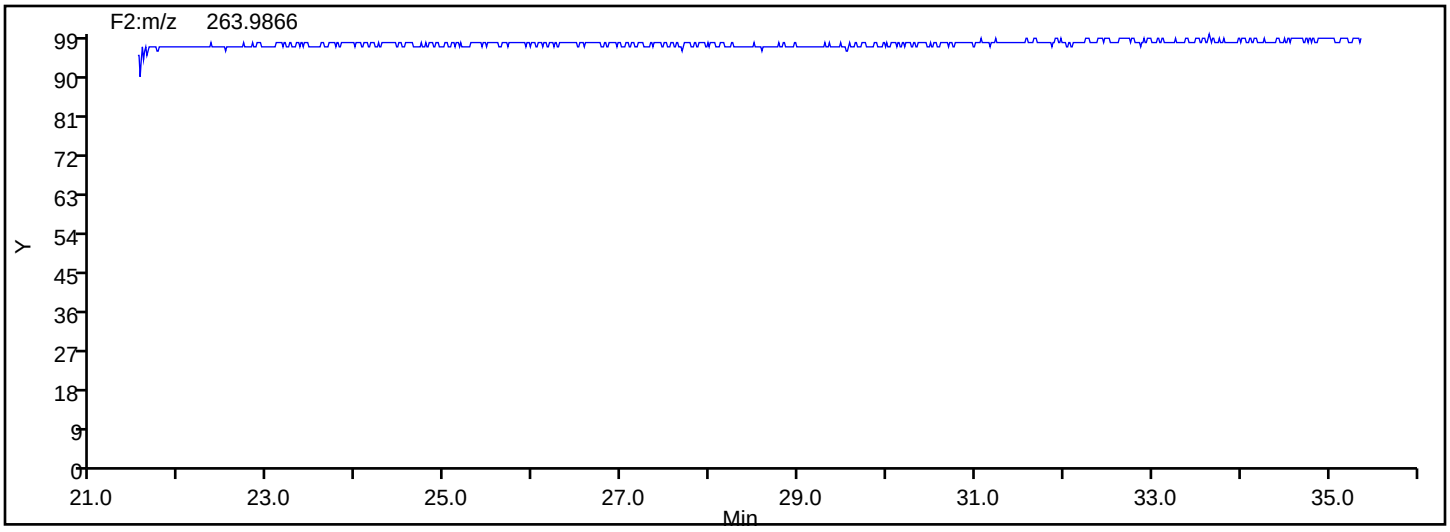
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

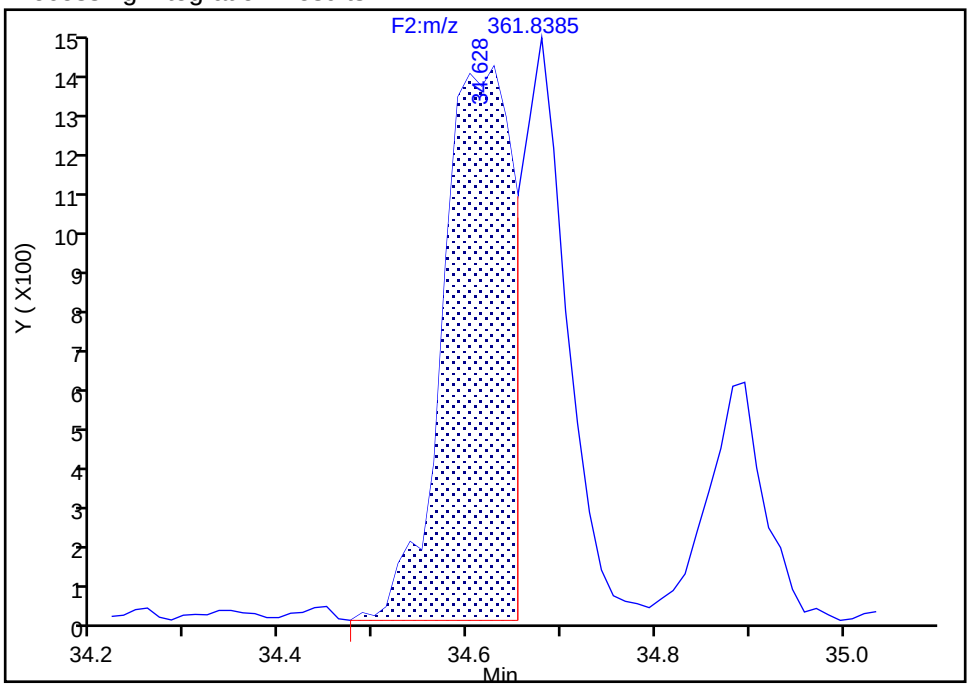
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 2

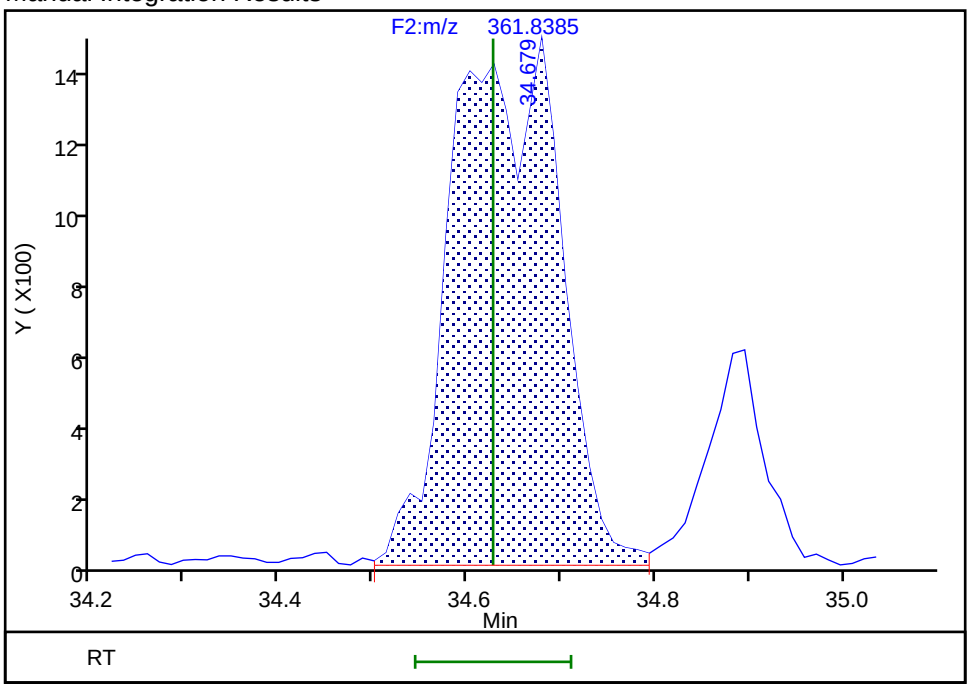
Processing Integration Results

RT: 34.63
Area: 6972
Amount: 1.301100
Amount Units: pg/ul




Manual Integration Results

RT: 34.68
Area: 11772
Amount: 1.593305
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:41:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

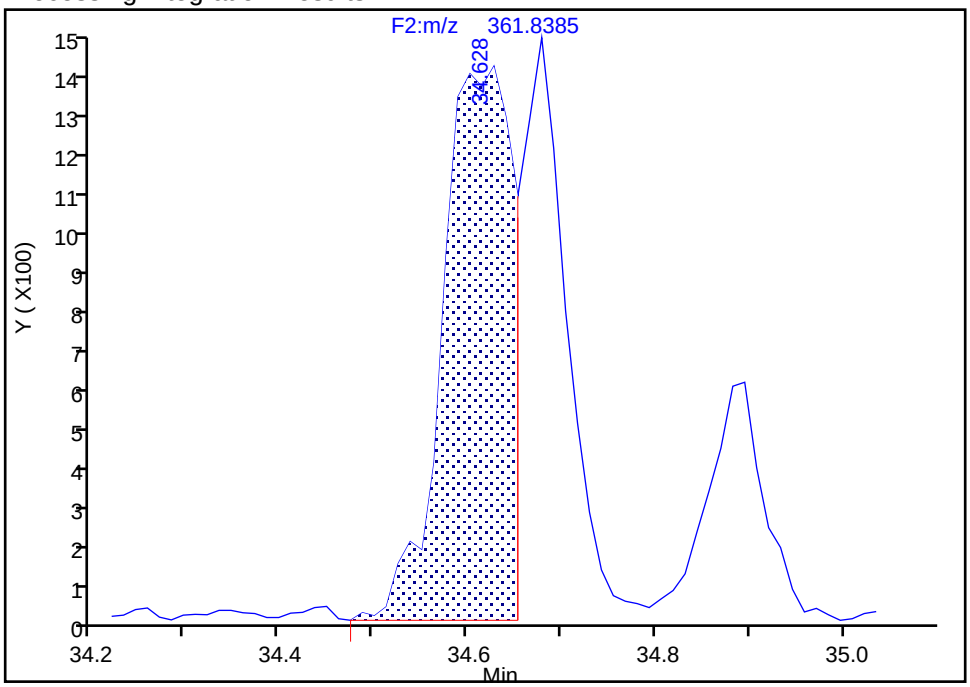
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.63
Area: 21373
Amount: 1.301100
Amount Units: pg/ul




Manual Integration Results

RT: 34.63
Area: 26173
Amount: 1.593305
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:41:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

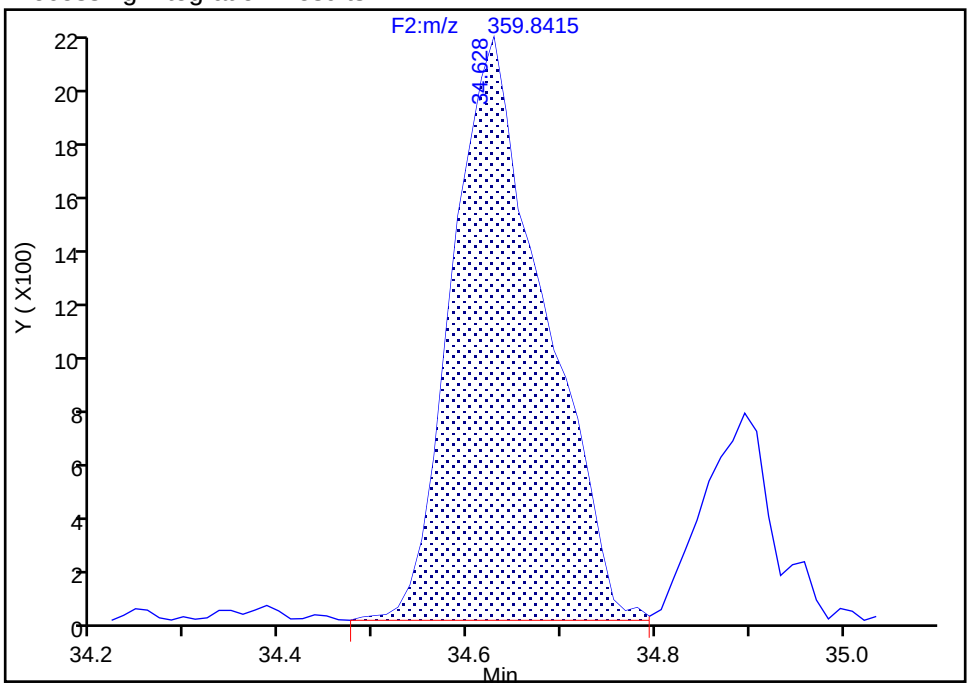
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

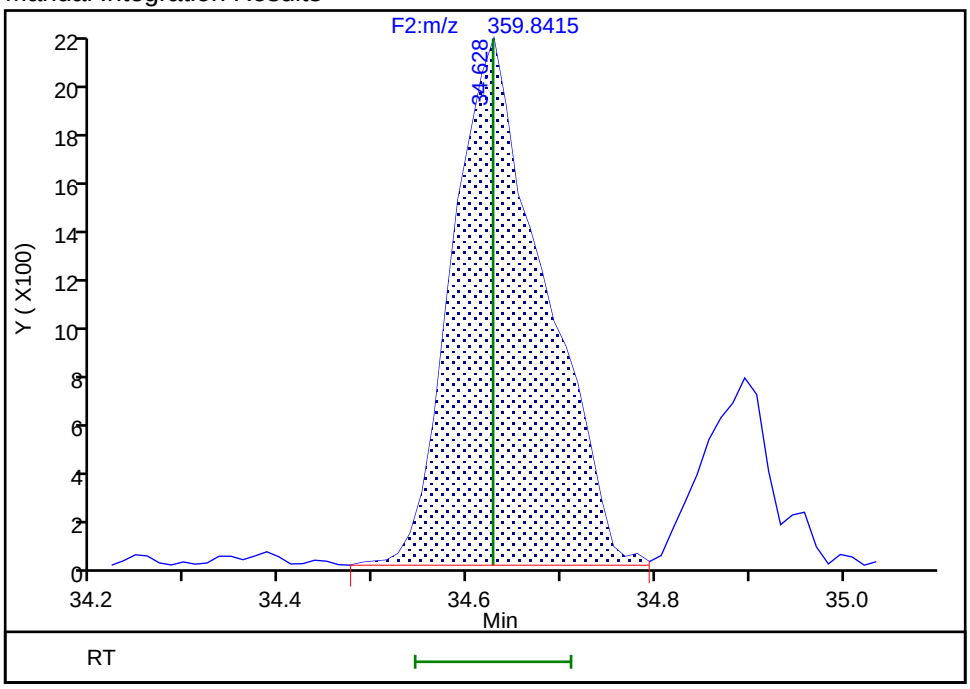
Processing Integration Results

RT: 34.63
Area: 14401
Amount: 1.301100
Amount Units: pg/ul




Manual Integration Results

RT: 34.63
Area: 14401
Amount: 1.593305
Amount Units: pg/ul



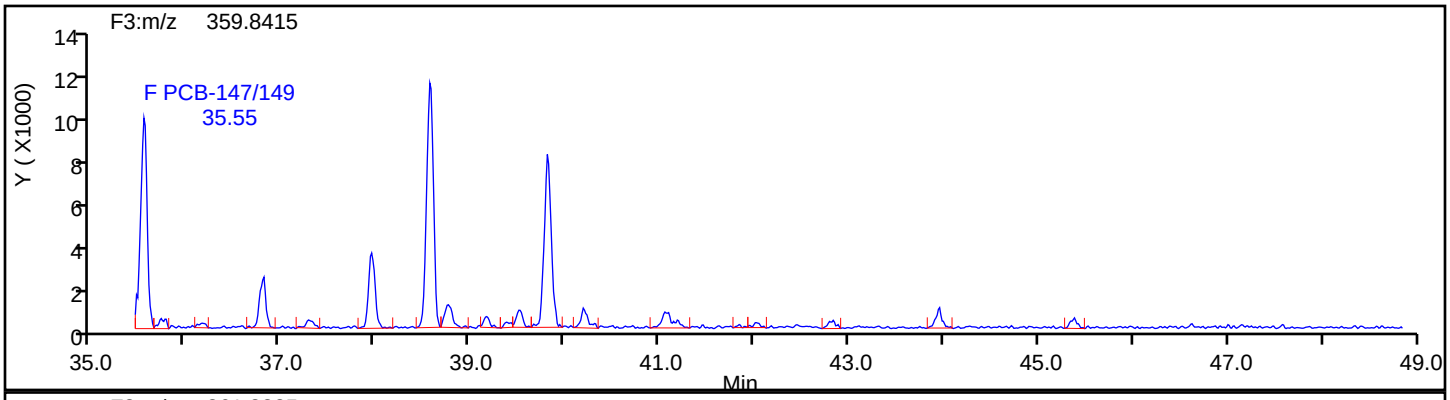

Reviewer: mcwhirterl, 04-Oct-2019 00:41:09

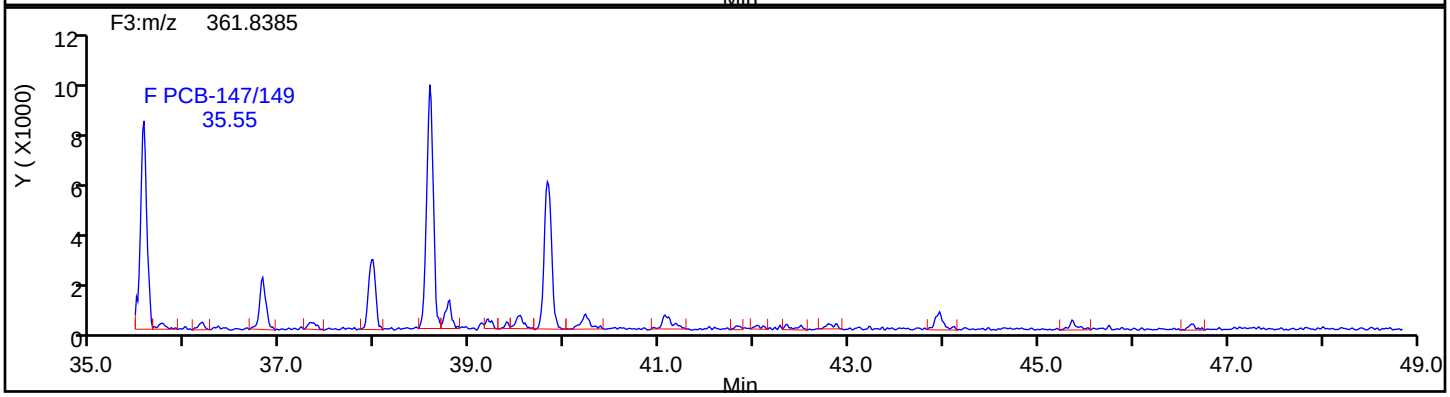
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

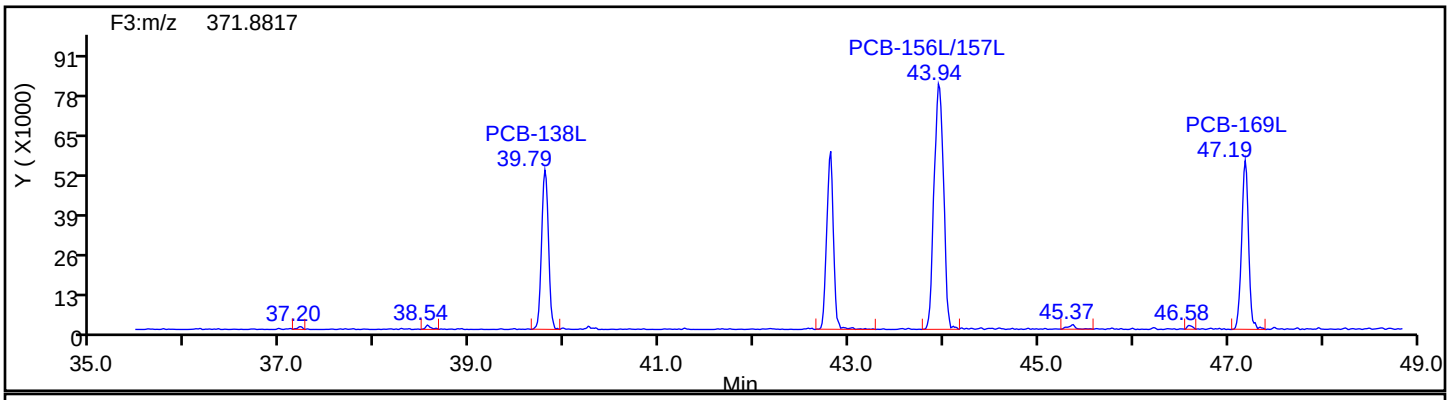
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

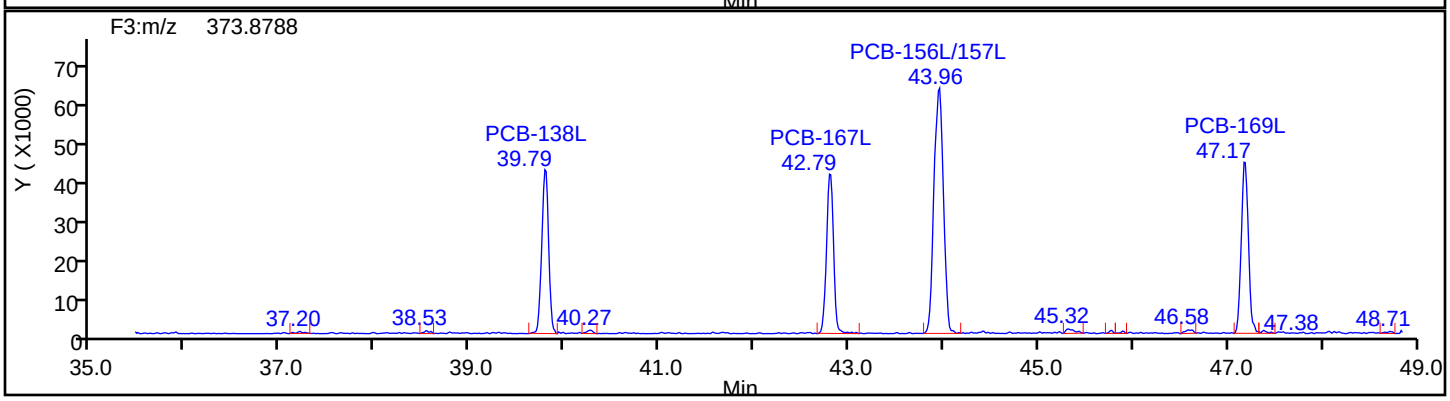
HxPCB F3




HxPCB F3 Standards

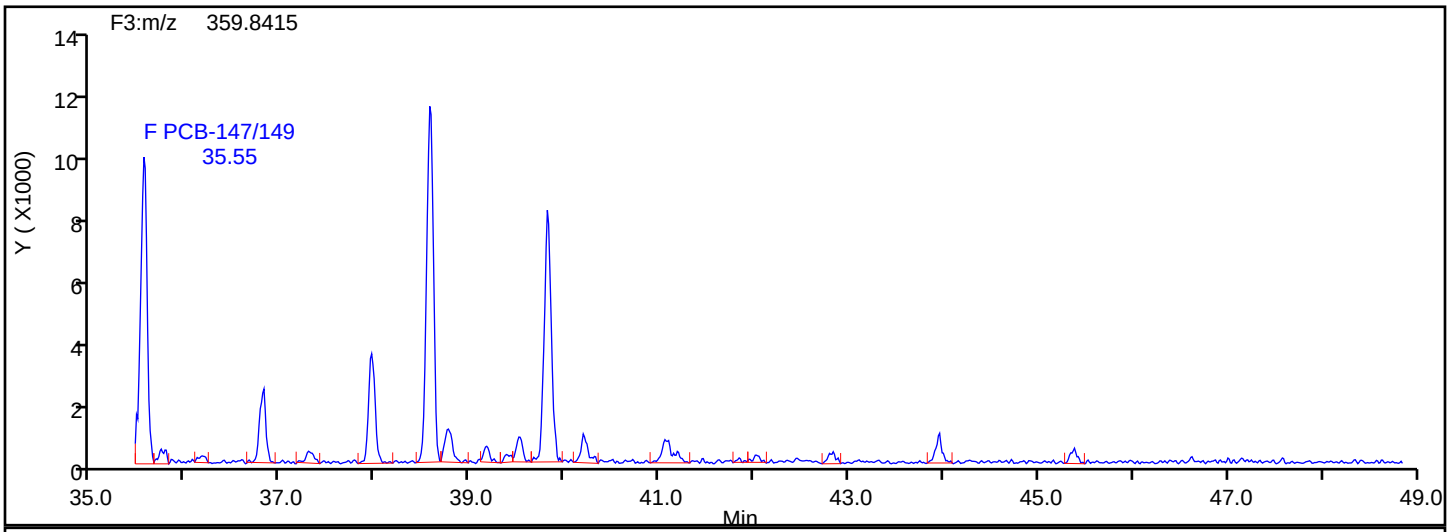


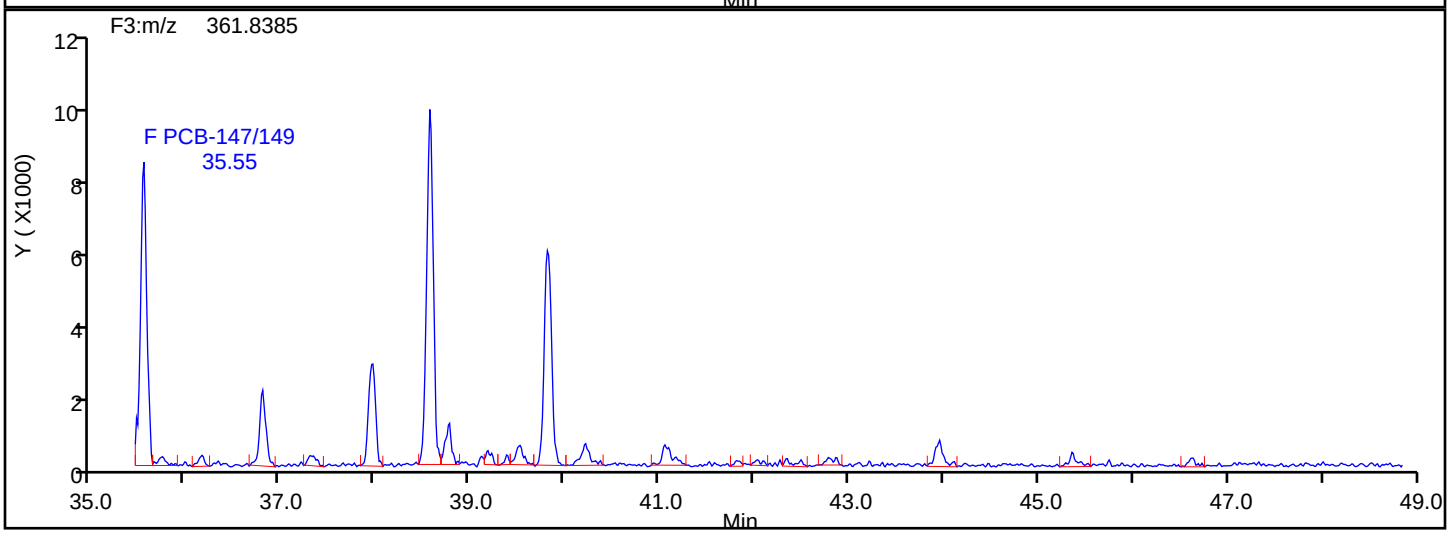



Eurofins TestAmerica, Knoxville

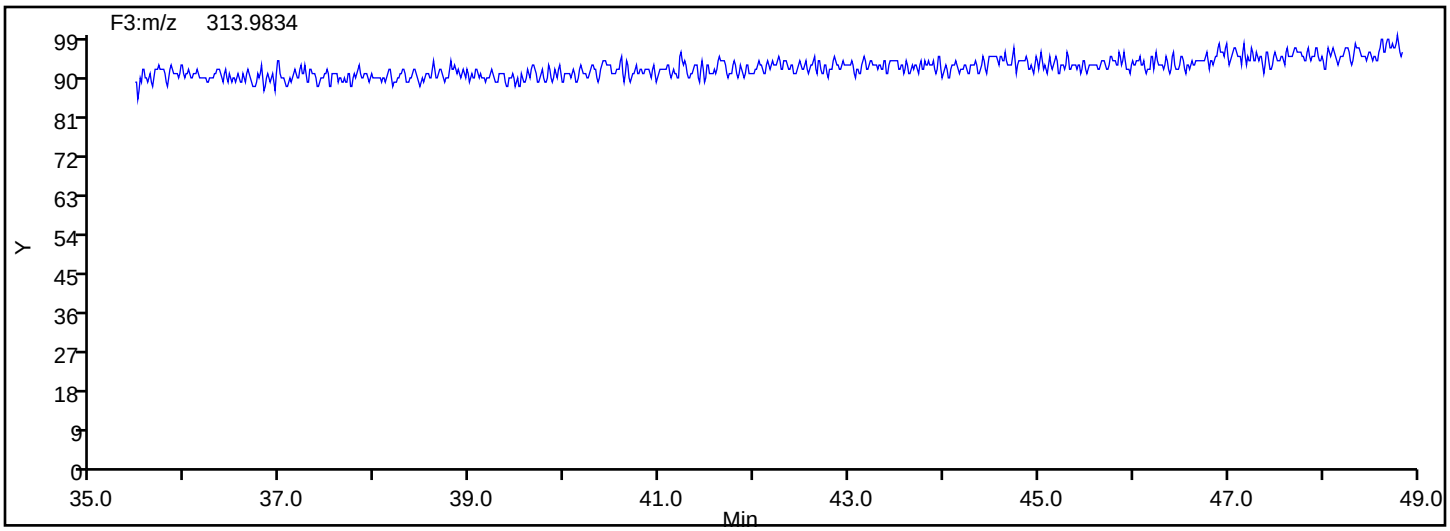
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

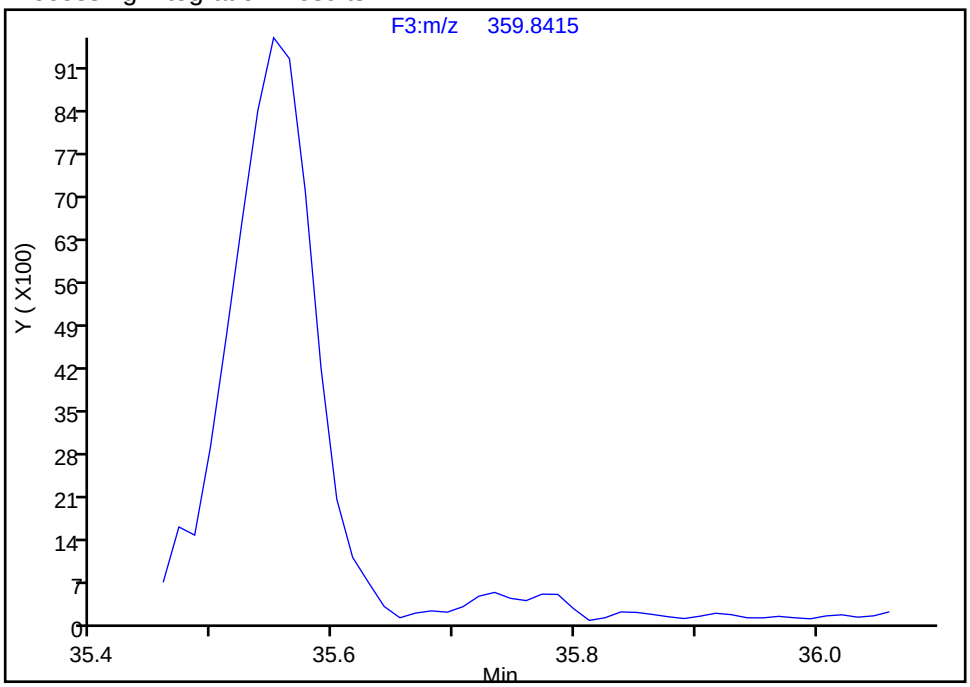
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

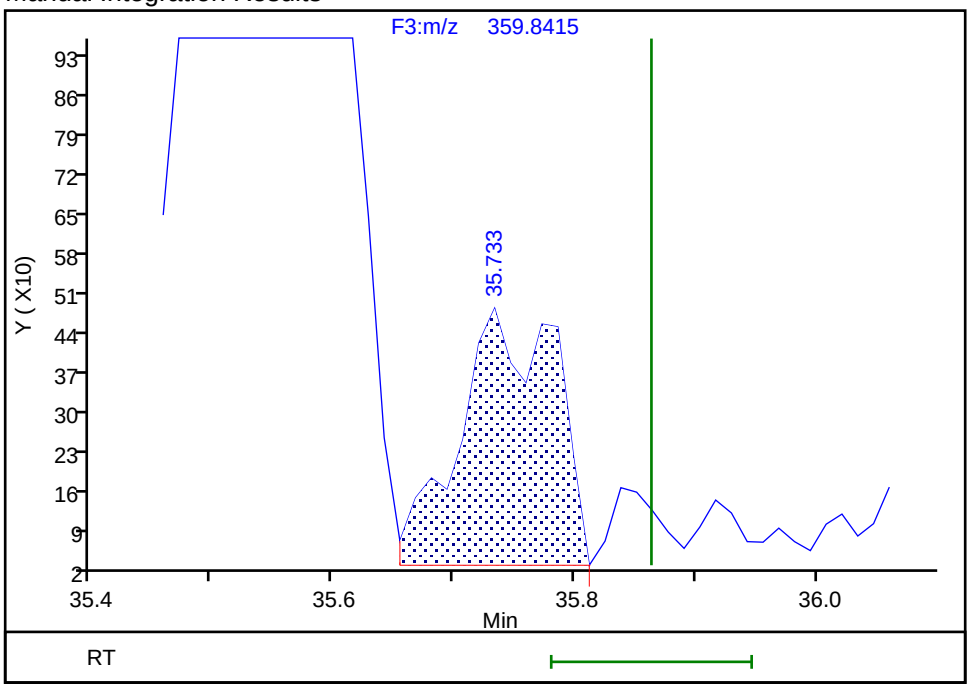
Not Detected
Expected RT: 35.86

Processing Integration Results




Manual Integration Results

RT: 35.73
Area: 2537
Amount: 0.184069
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:41:17
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

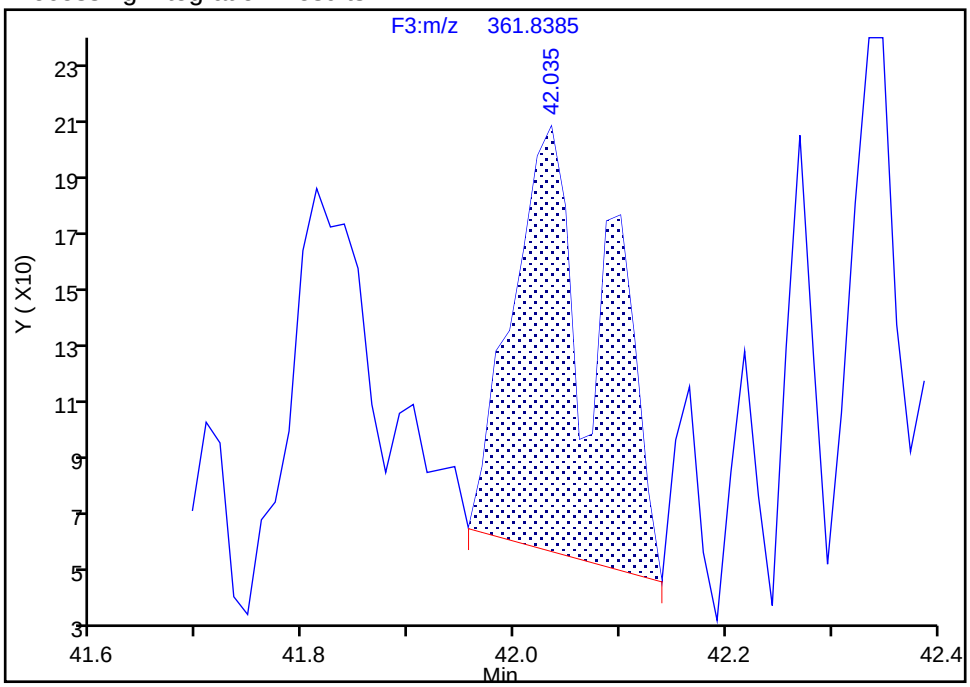
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 2

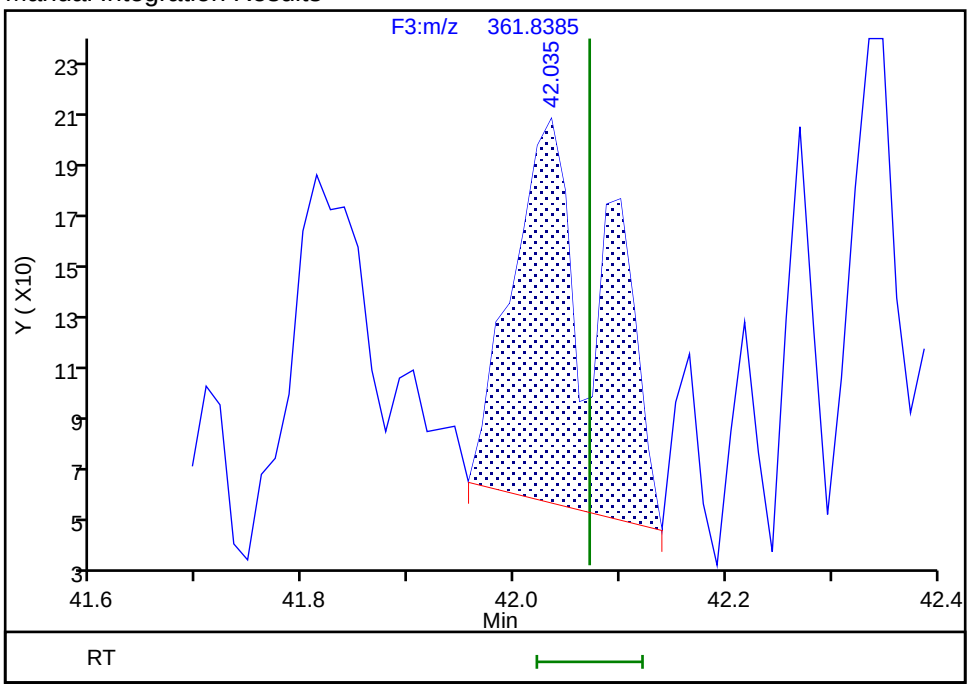
Processing Integration Results

RT: 42.03
Area: 847
Amount: 0.073780
Amount Units: pg/ul




Manual Integration Results

RT: 42.03
Area: 847
Amount: 0.060265
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:41:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

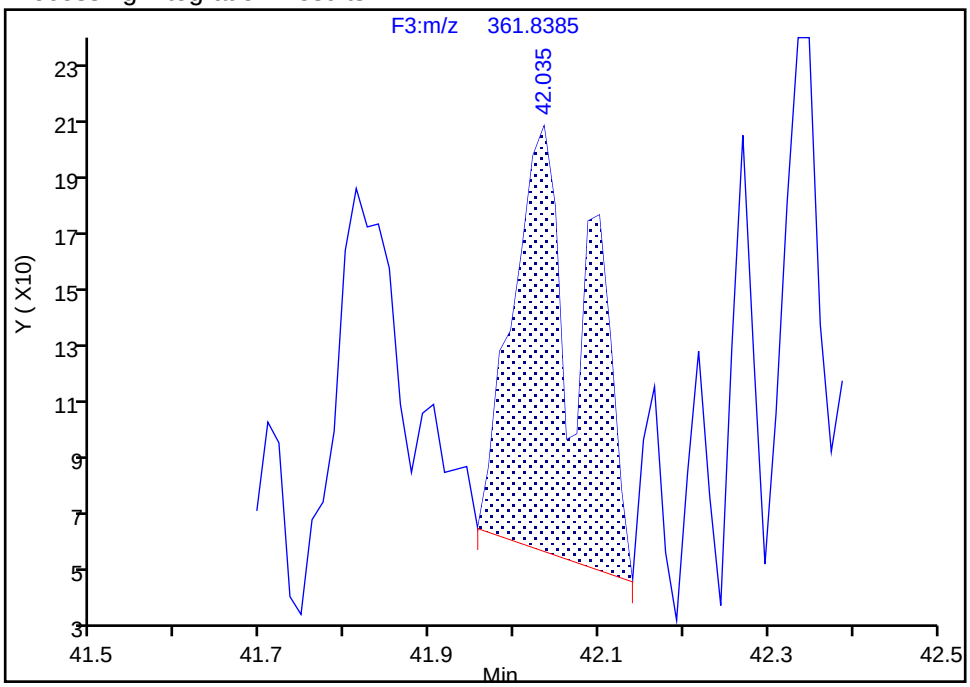
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 3

Processing Integration Results

RT: 42.02
Area: 2473
Amount: 0.073780
Amount Units: pg/ul




Manual Integration Results

RT: 42.02
Area: 2020
Amount: 0.060265
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:41:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

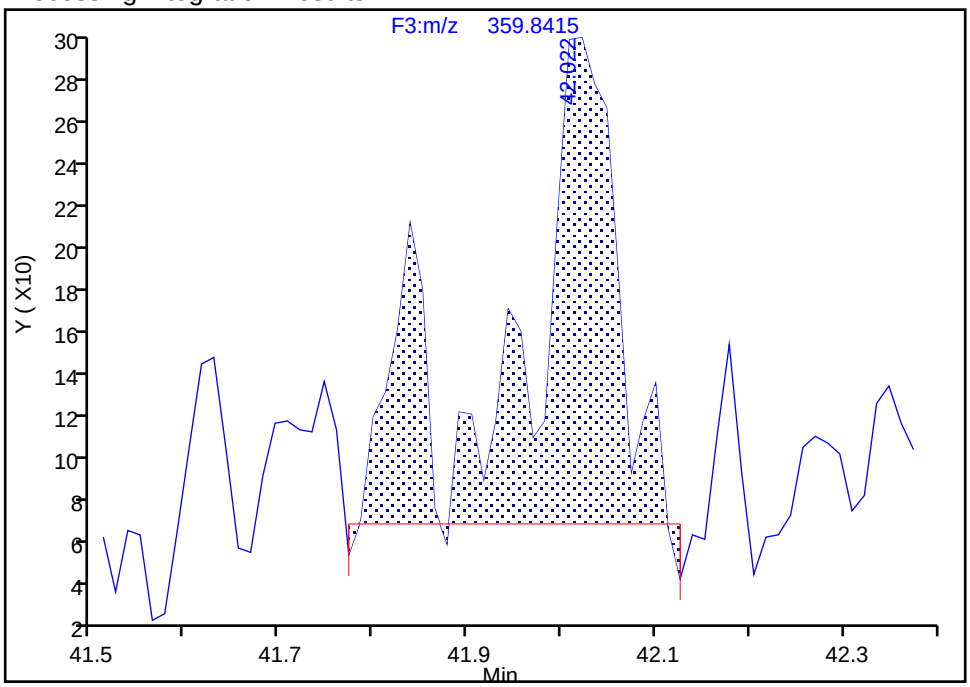
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 1

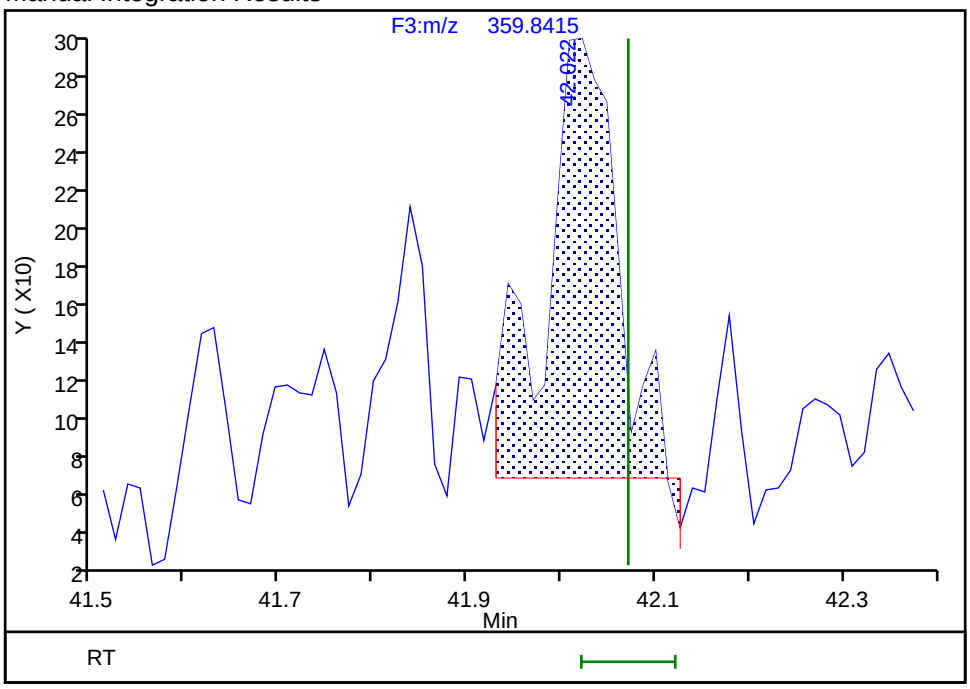
Processing Integration Results

RT: 42.02
Area: 1626
Amount: 0.073780
Amount Units: pg/ul




Manual Integration Results

RT: 42.02
Area: 1173
Amount: 0.060265
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:41:49

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

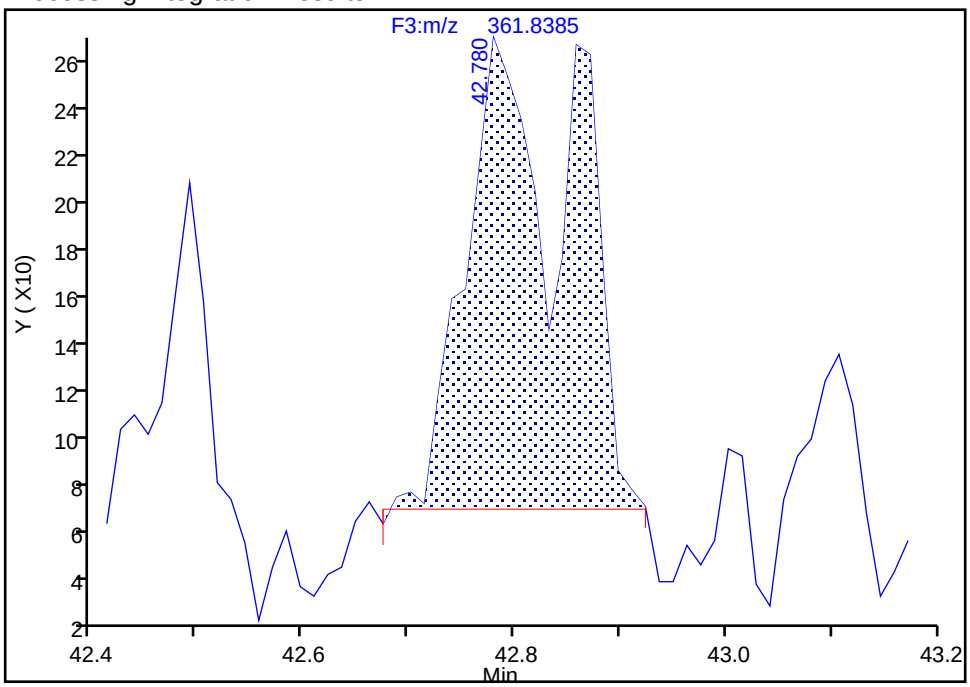
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-167, CAS: 52663-72-6

Signal: 2

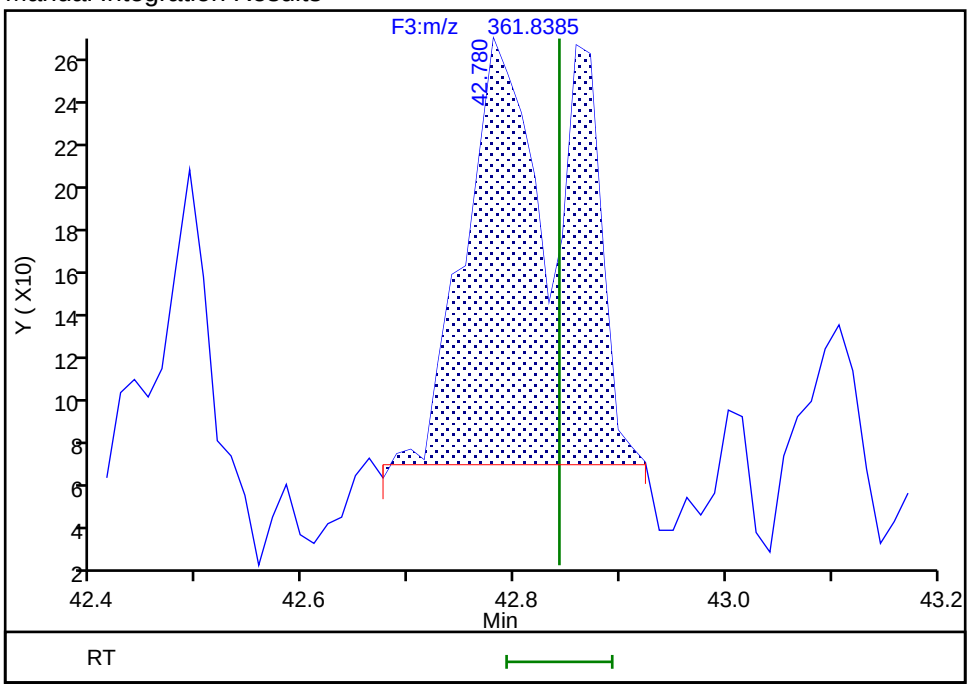
Processing Integration Results

RT: 42.78
Area: 1348
Amount: 0.079089
Amount Units: pg/ul




Manual Integration Results

RT: 42.78
Area: 1348
Amount: 0.101247
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:42:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

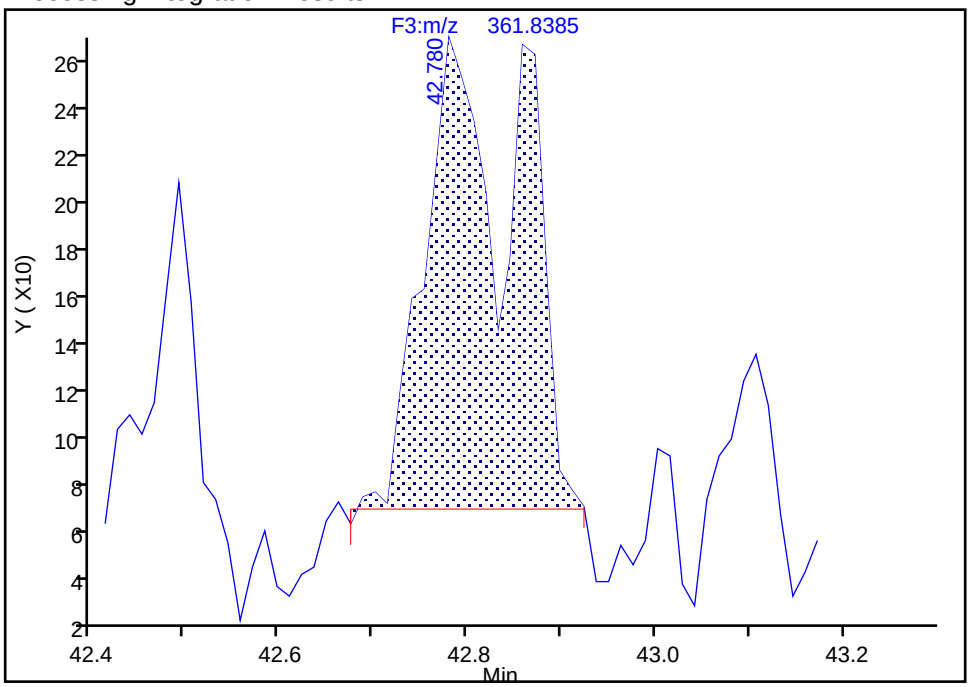
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-167, CAS: 52663-72-6

Signal: 3

Processing Integration Results

RT: 42.83
Area: 2677
Amount: 0.079089
Amount Units: pg/ul




Manual Integration Results

RT: 42.83
Area: 3427
Amount: 0.101247
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:42:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

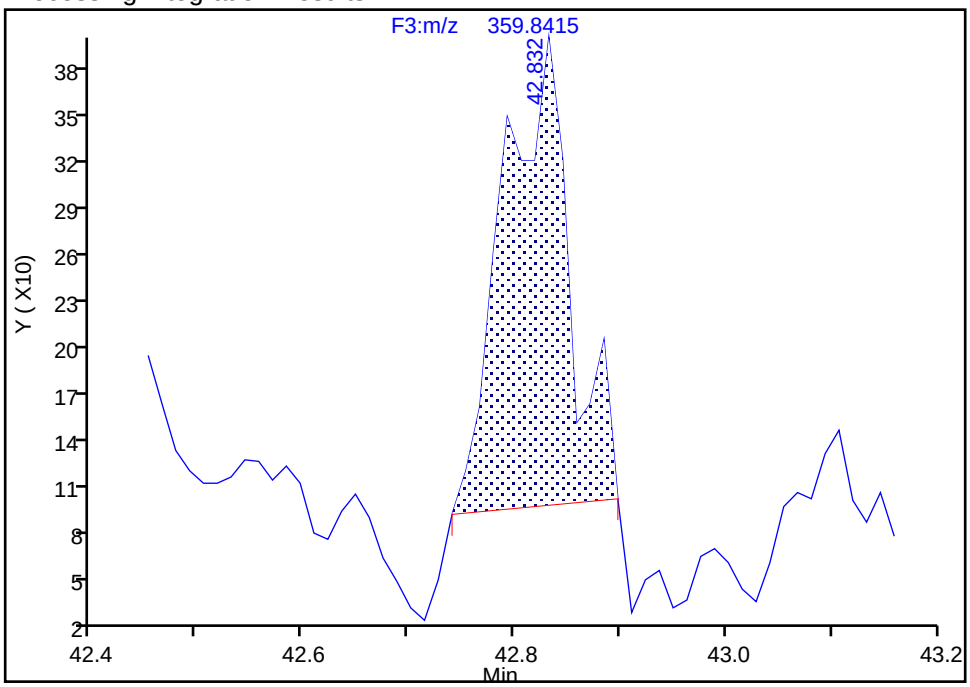
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-167, CAS: 52663-72-6

Signal: 1

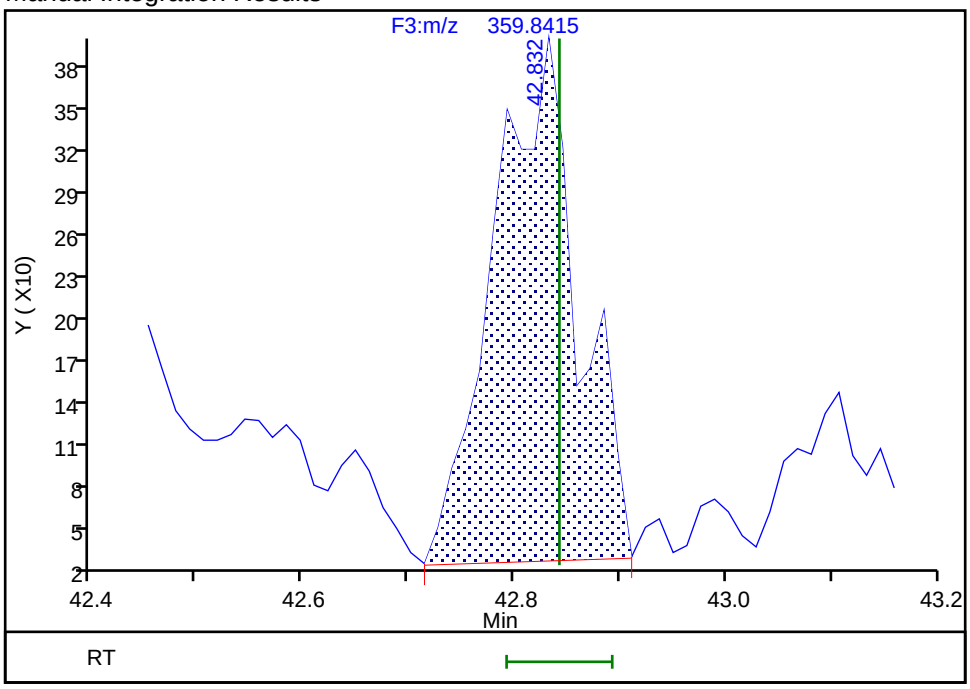
Processing Integration Results

RT: 42.83
Area: 1329
Amount: 0.079089
Amount Units: pg/ul




Manual Integration Results

RT: 42.83
Area: 2079
Amount: 0.101247
Amount Units: pg/ul

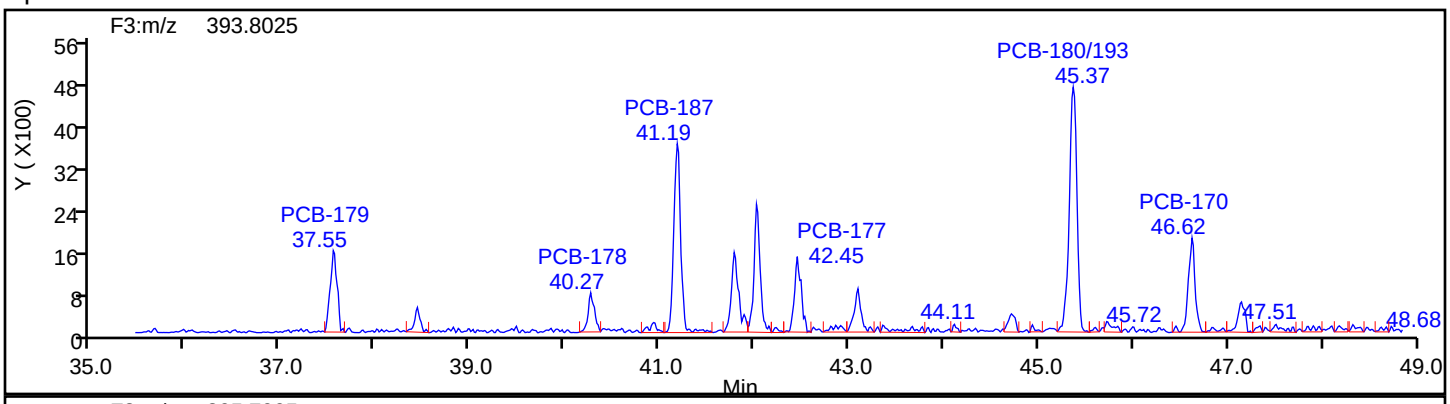


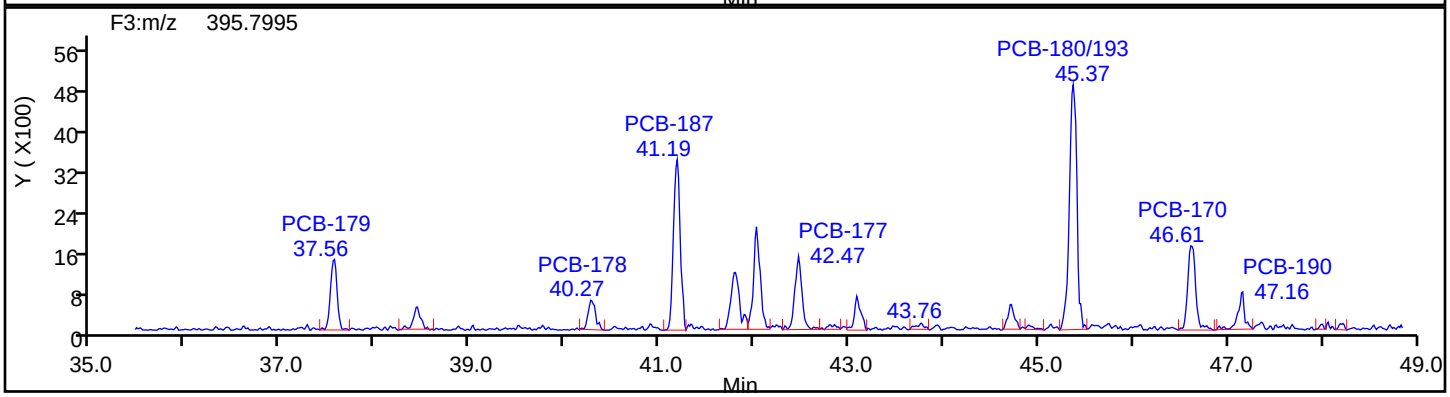

Reviewer: mcwhirterl, 04-Oct-2019 00:42:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

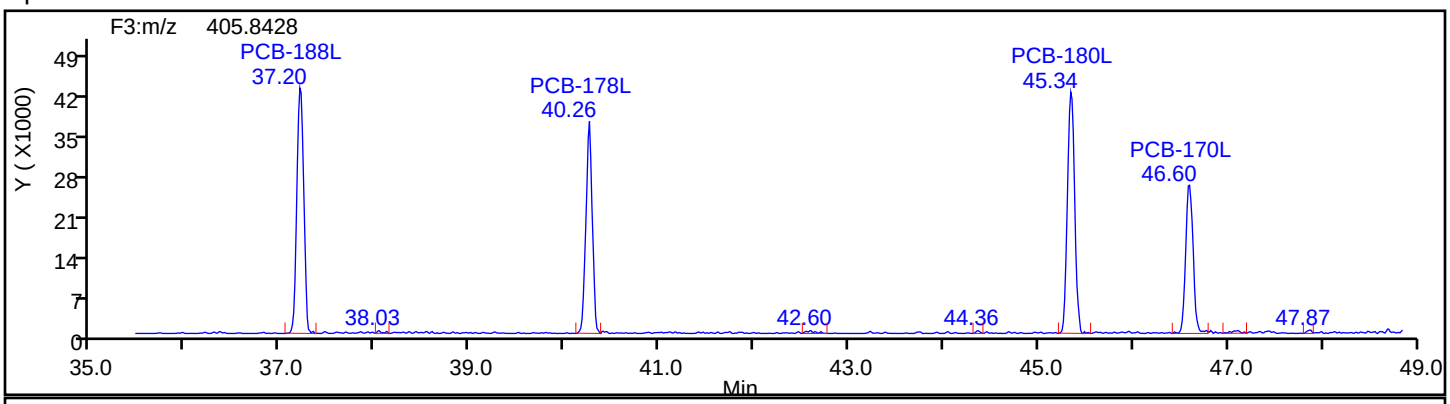
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

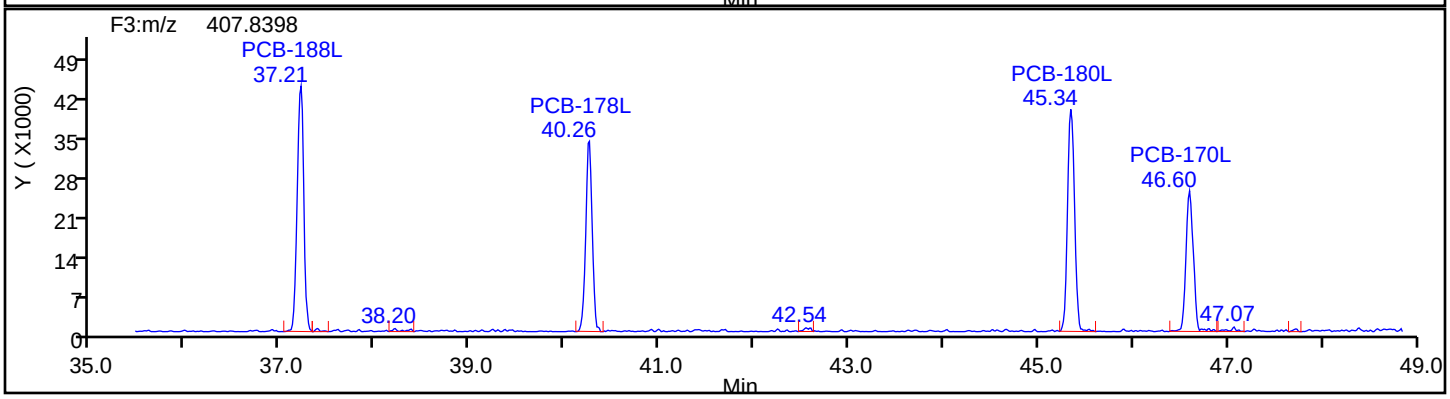
HpPCB F3




HpPCB F3 Standards

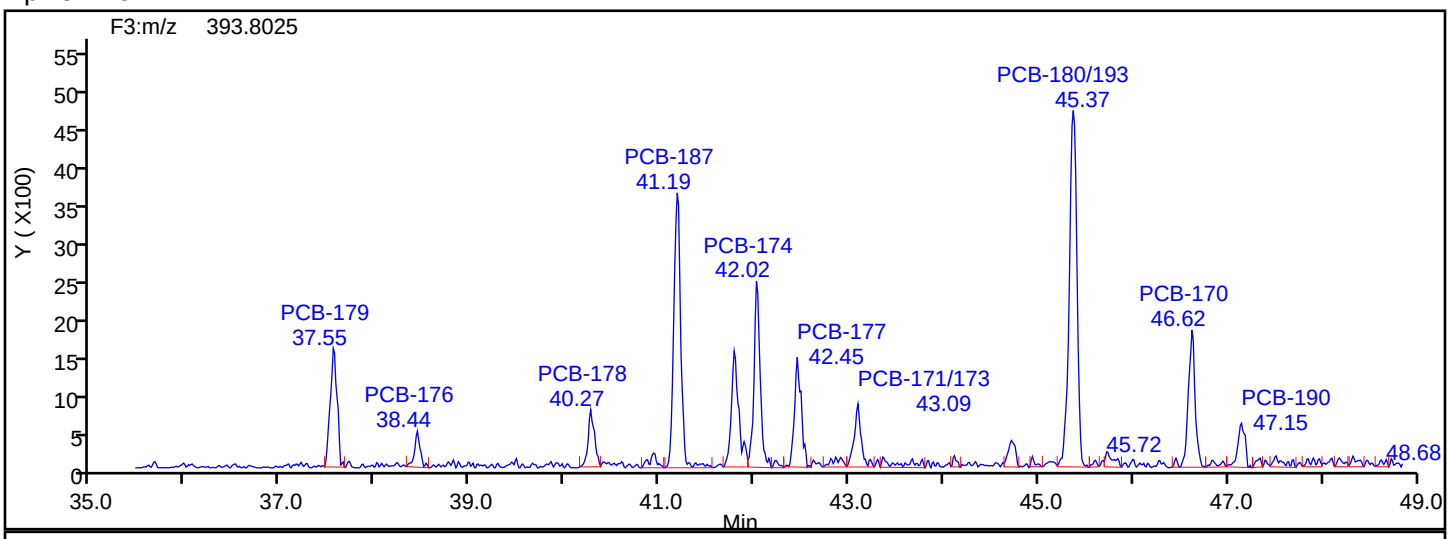


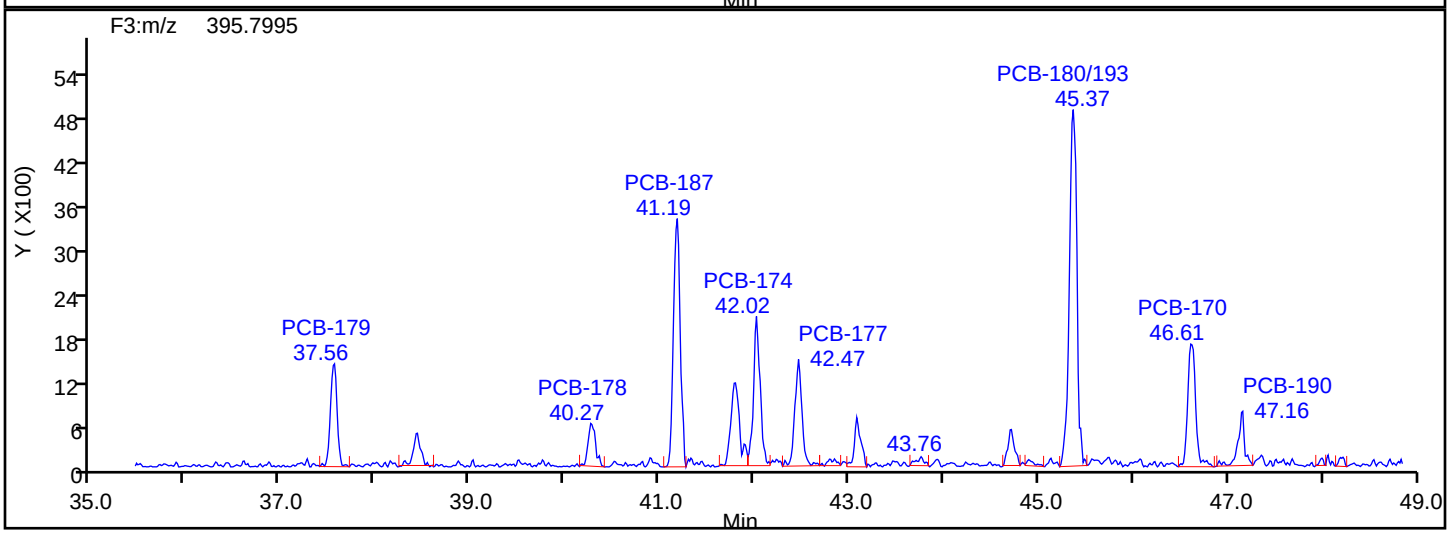



Eurofins TestAmerica, Knoxville

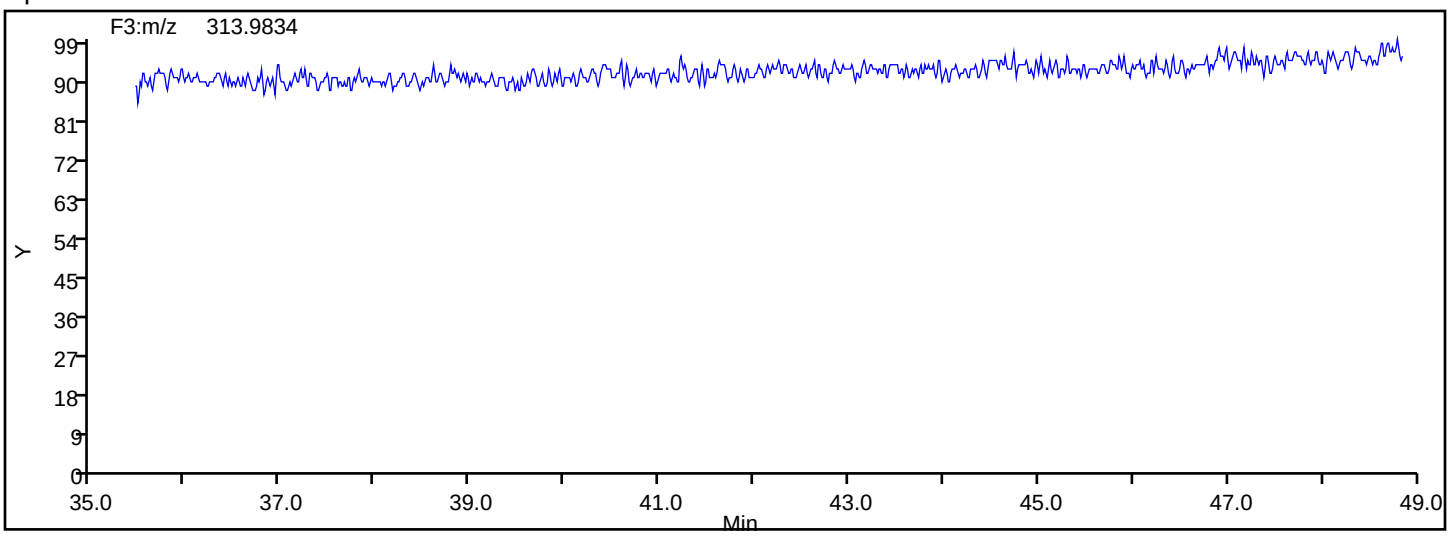
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



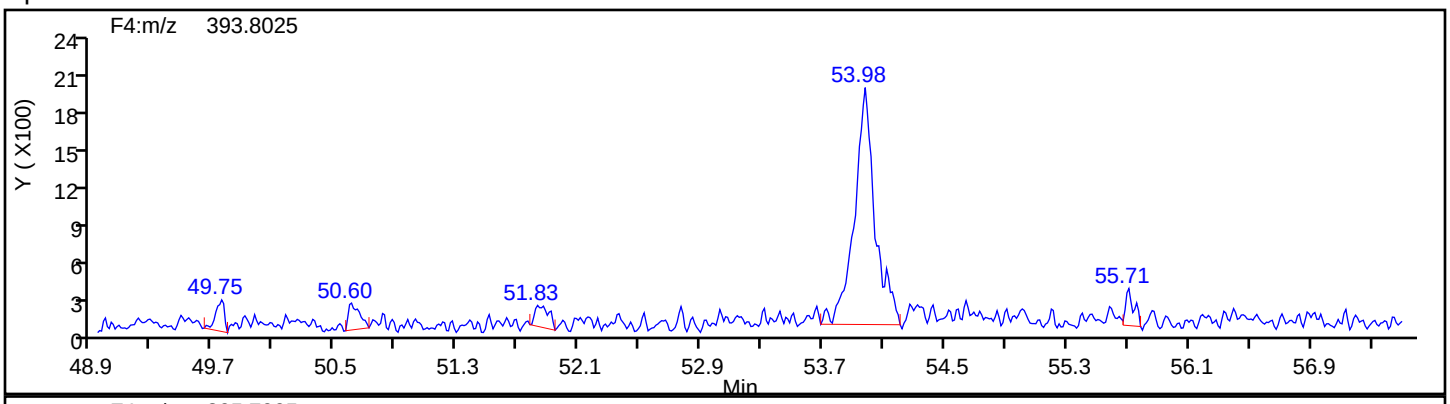

HpPCB F3 Lock Mass

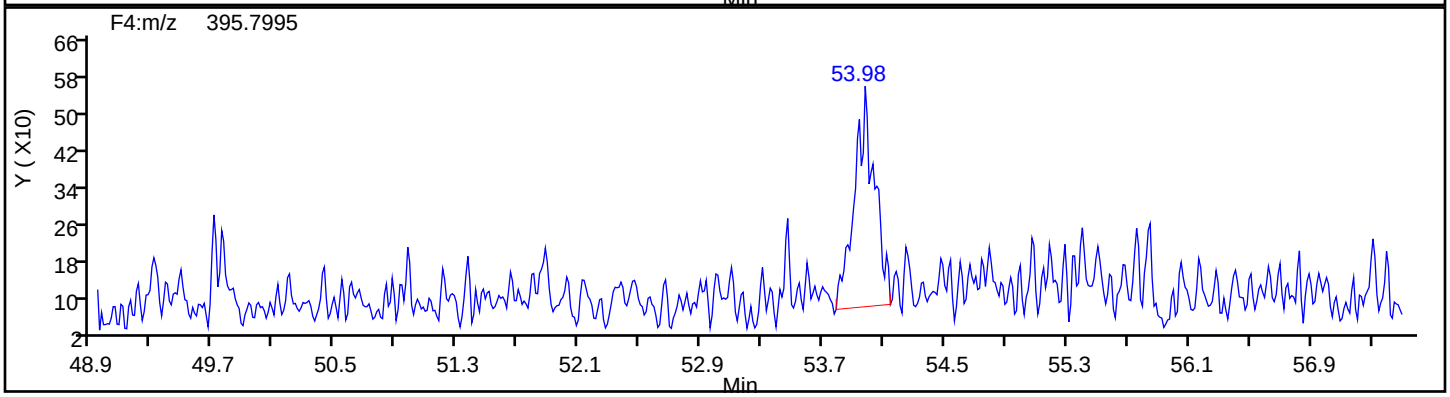


Eurofins TestAmerica, Knoxville

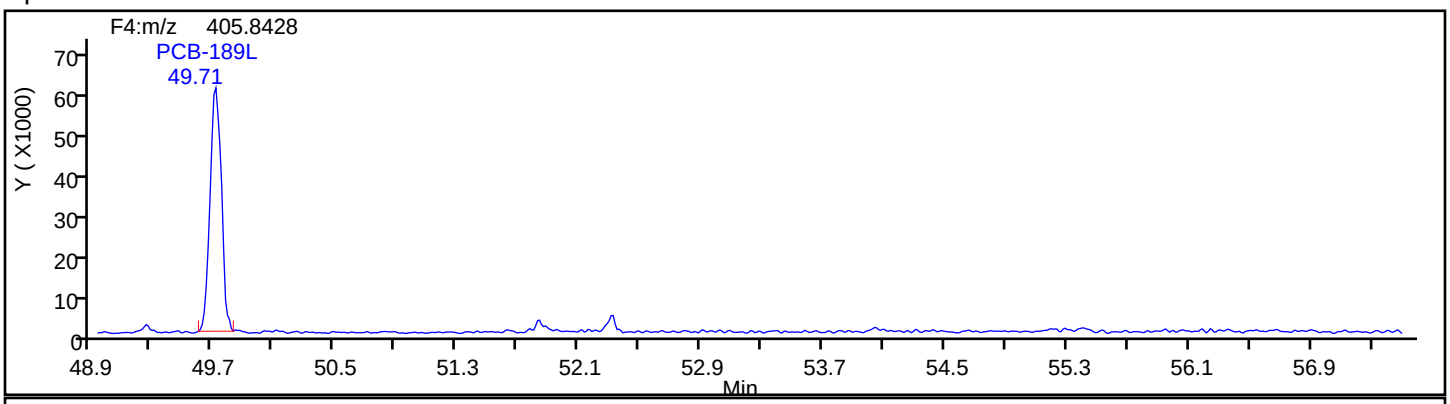
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

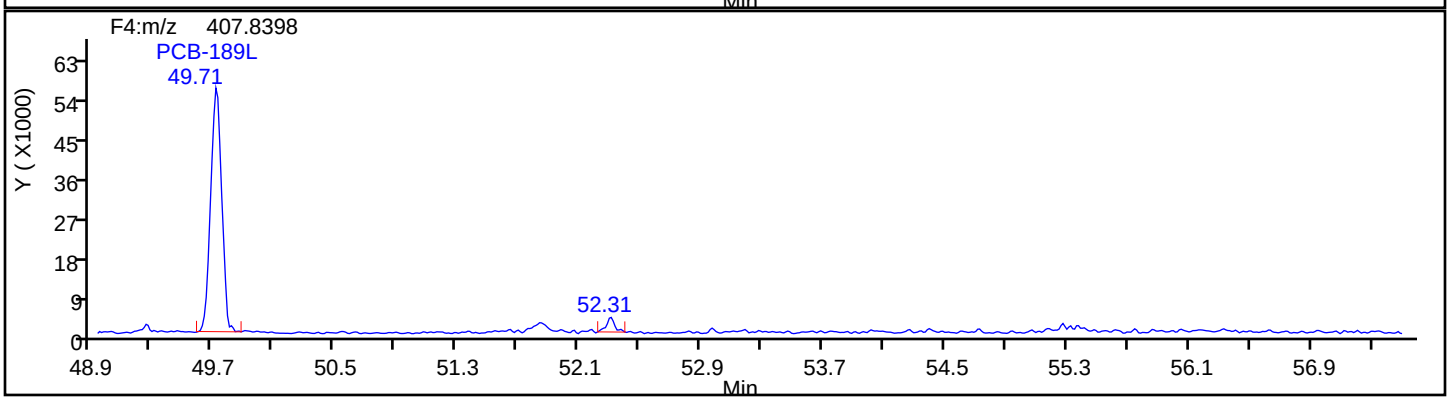
HpPCB F4




HpPCB F4 Standards

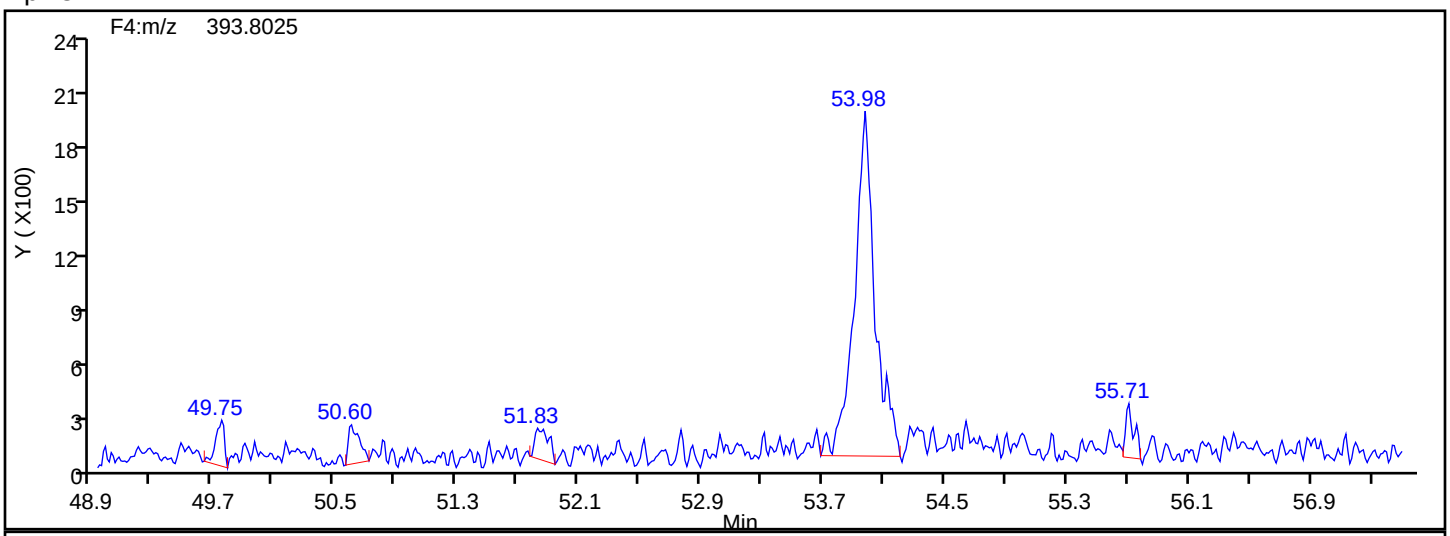


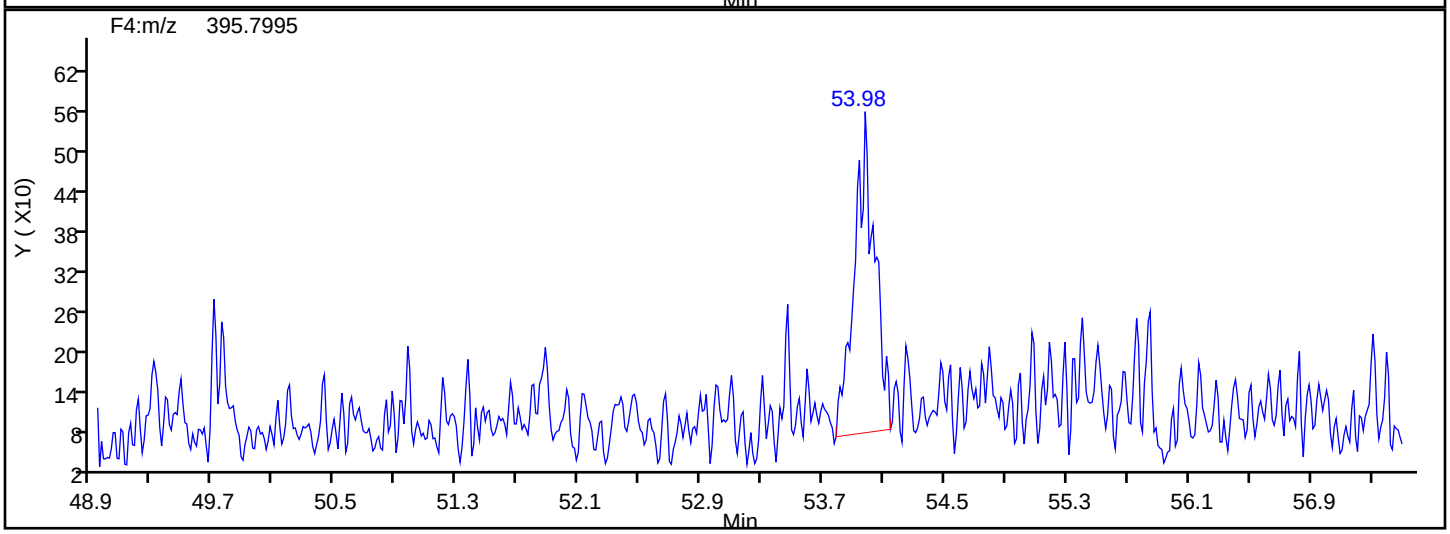



Eurofins TestAmerica, Knoxville

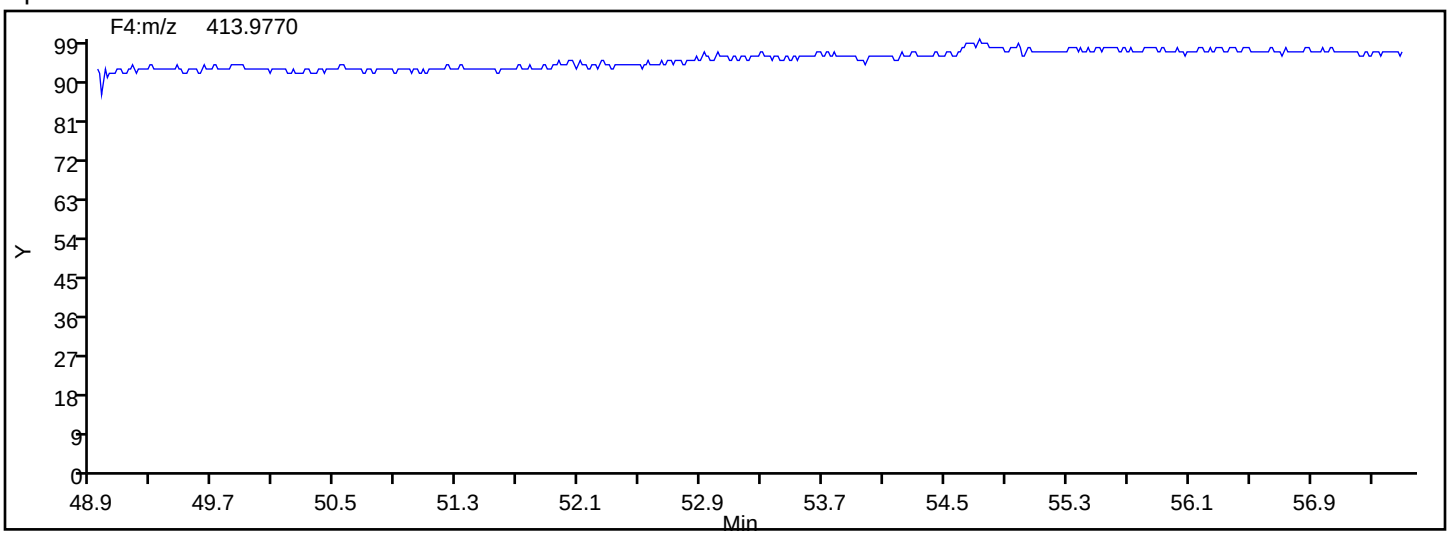
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



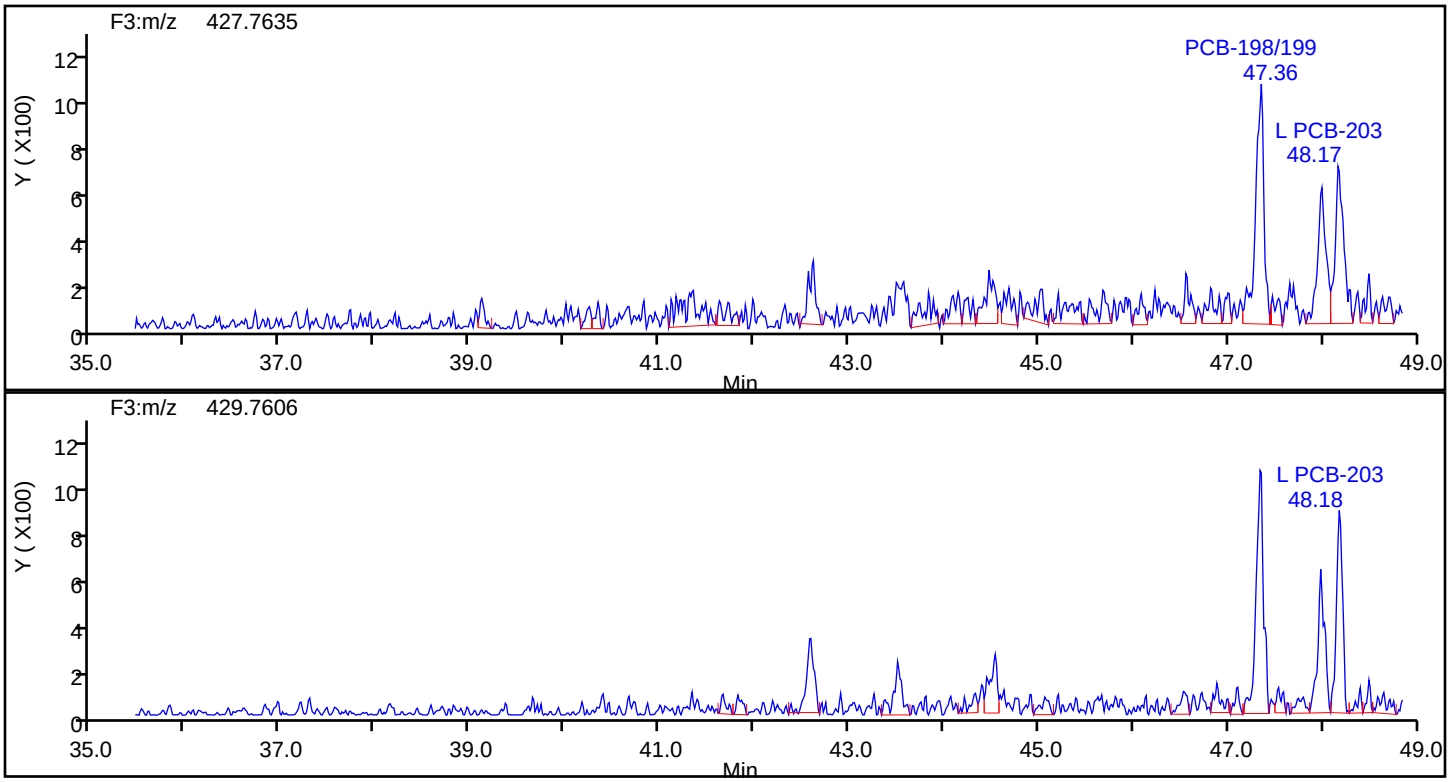

HpPCB F4 Lock Mass



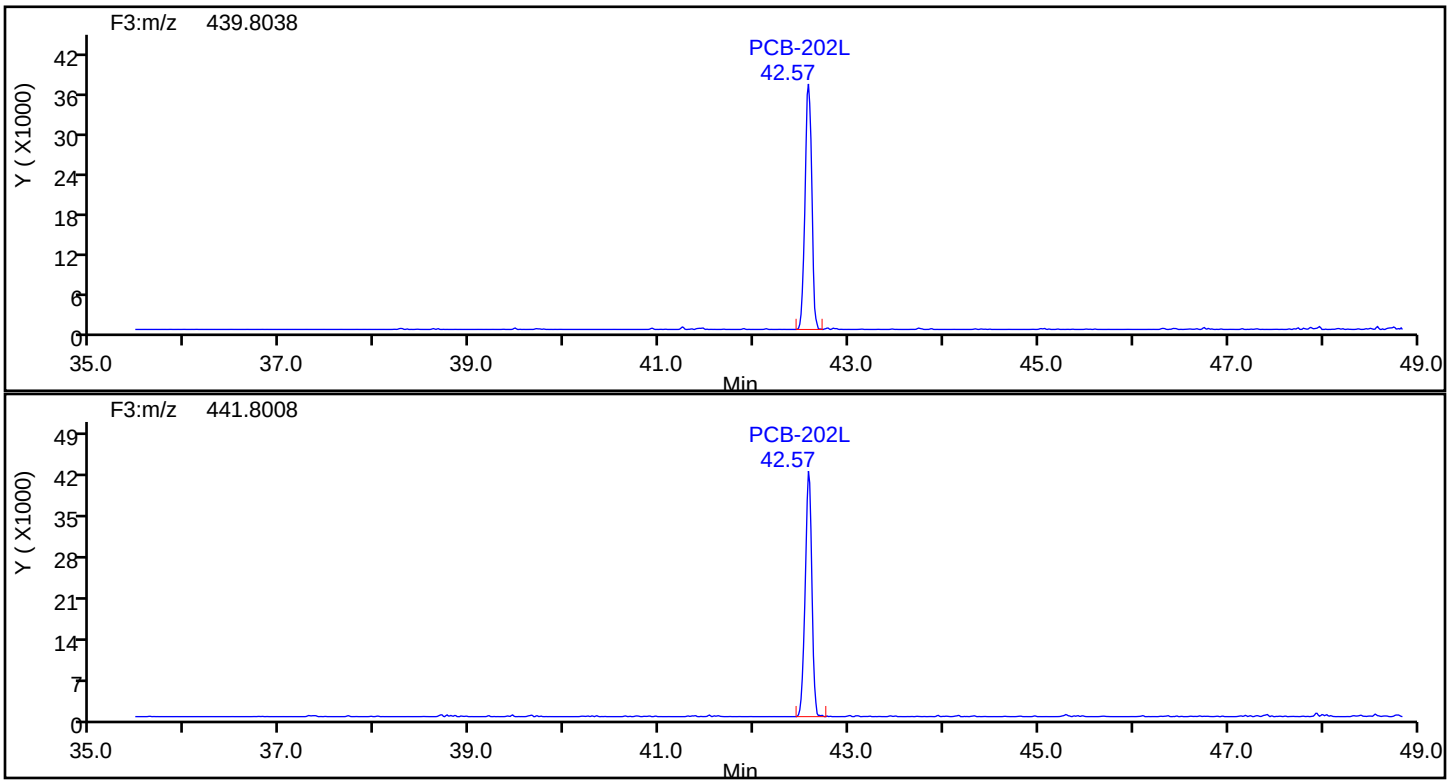
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



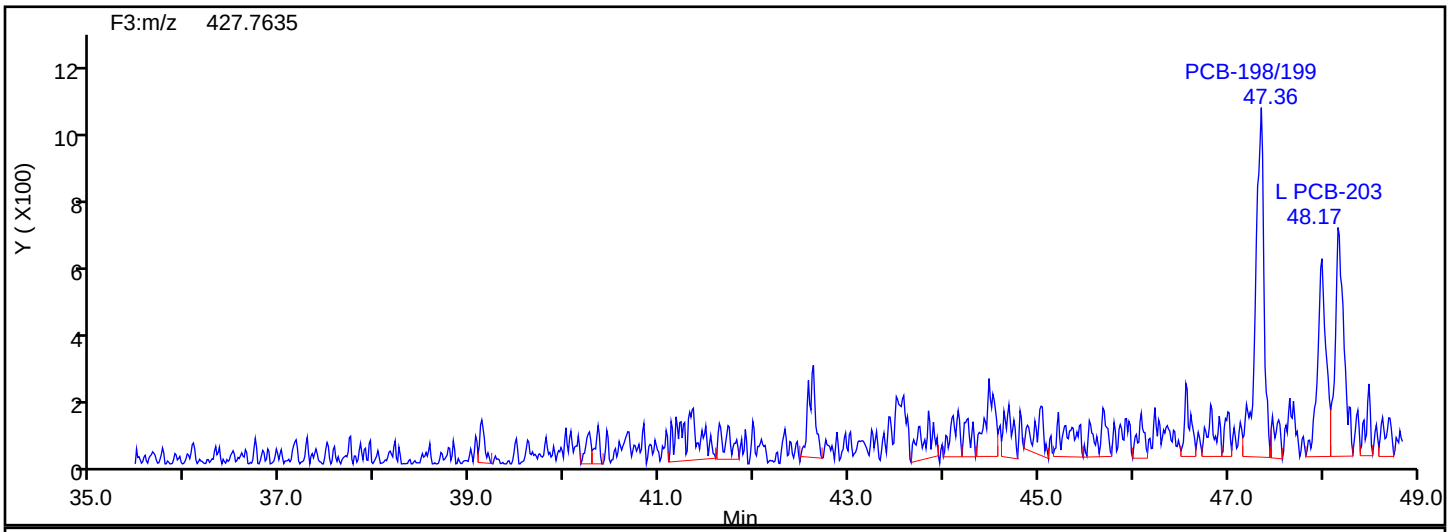

OcPCB F3 Standards

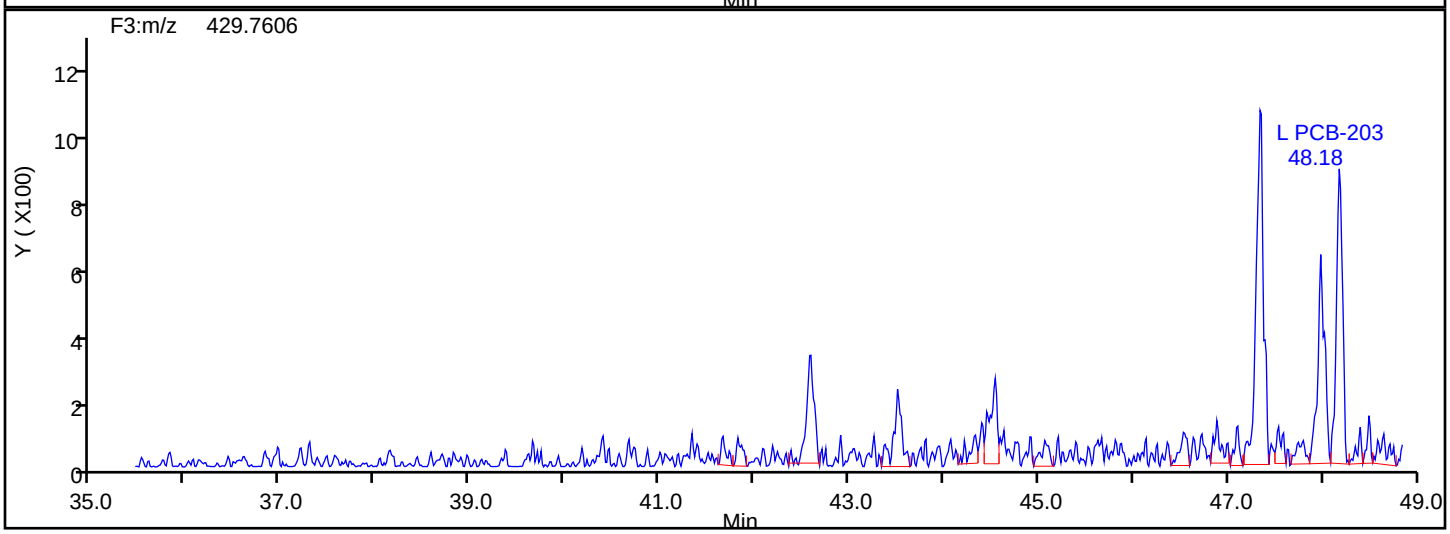


Eurofins TestAmerica, Knoxville

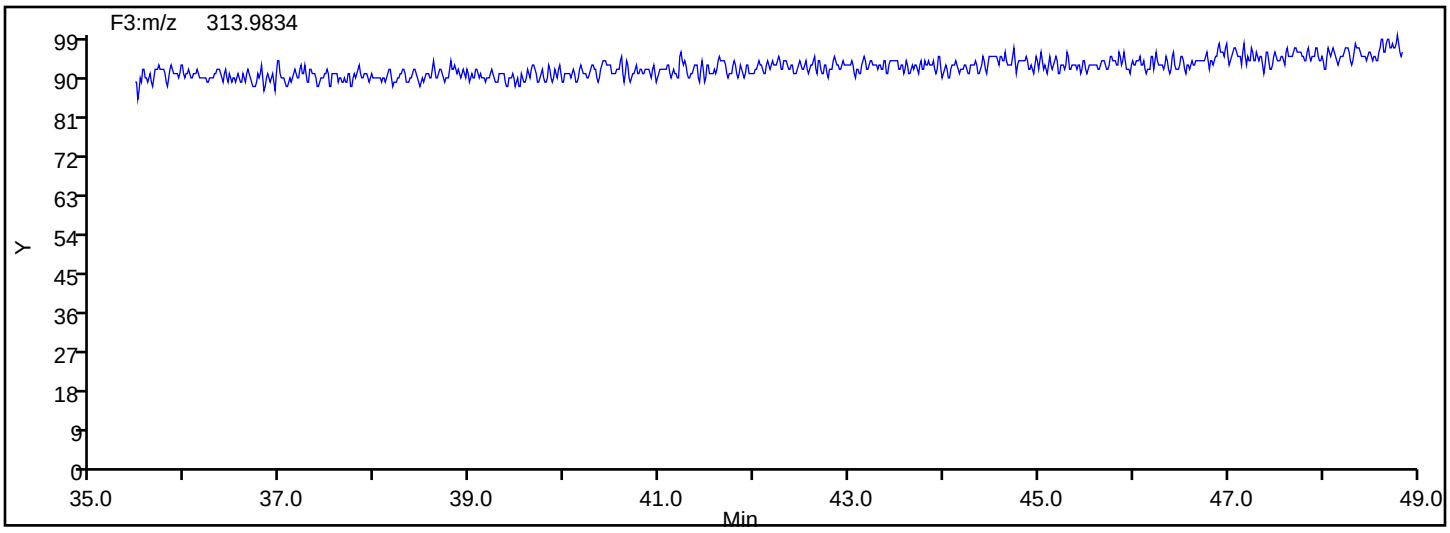
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

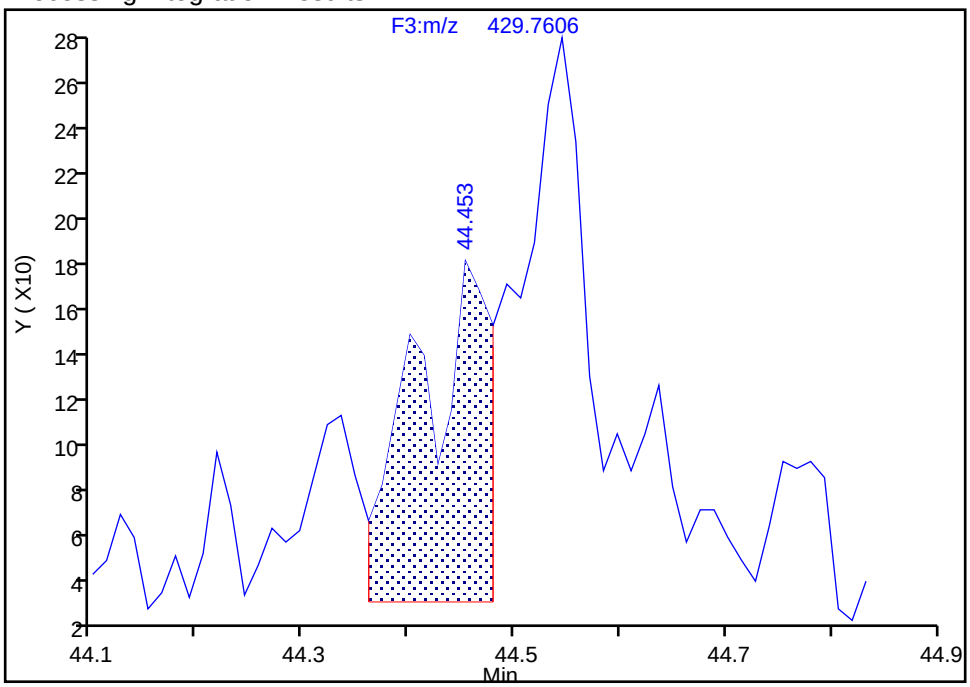
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 2

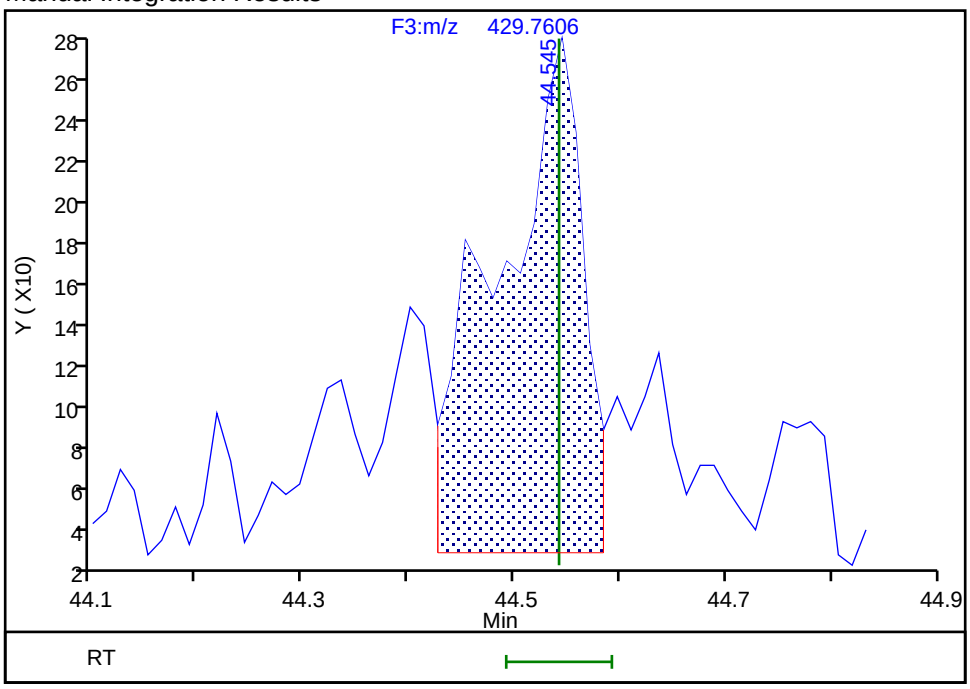
Processing Integration Results

RT: 44.45
Area: 674
Amount: 0.099708
Amount Units: pg/ul




Manual Integration Results

RT: 44.54
Area: 1374
Amount: 0.131842
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:43:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

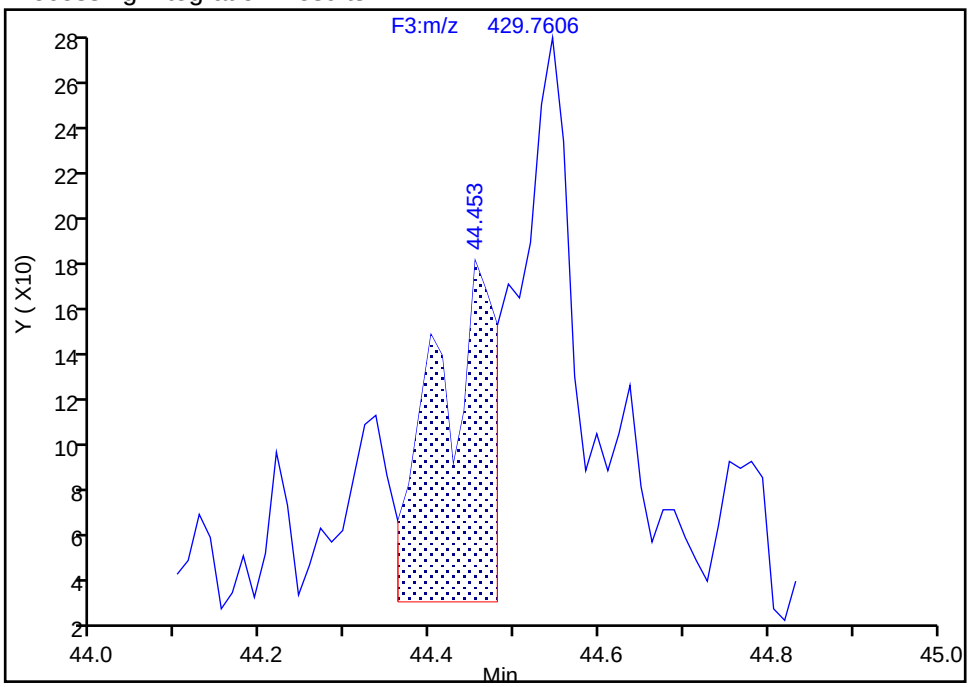
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 3

Processing Integration Results

RT: 44.48
Area: 2172
Amount: 0.099708
Amount Units: pg/ul




Manual Integration Results

RT: 44.48
Area: 2872
Amount: 0.131842
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:43:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

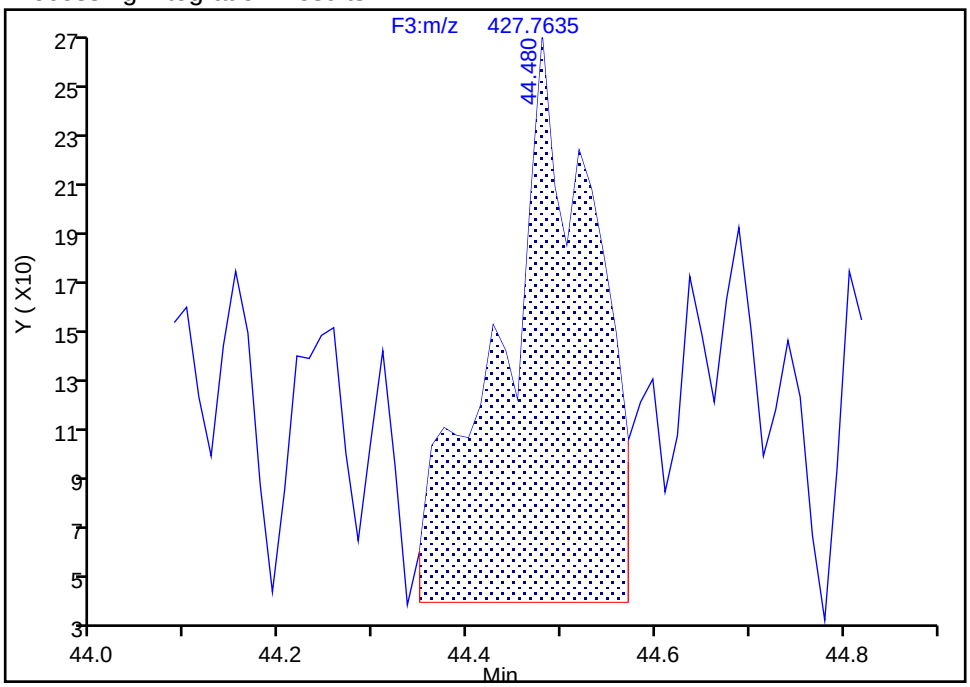
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 1

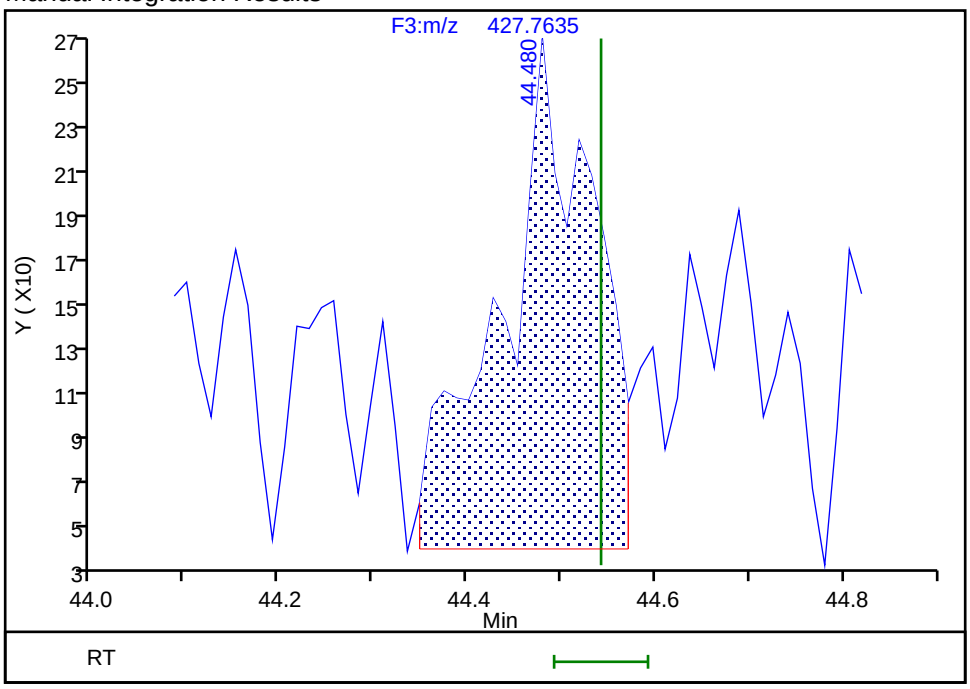
Processing Integration Results

RT: 44.48
Area: 1498
Amount: 0.099708
Amount Units: pg/ul




Manual Integration Results

RT: 44.48
Area: 1498
Amount: 0.131842
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:43:25

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

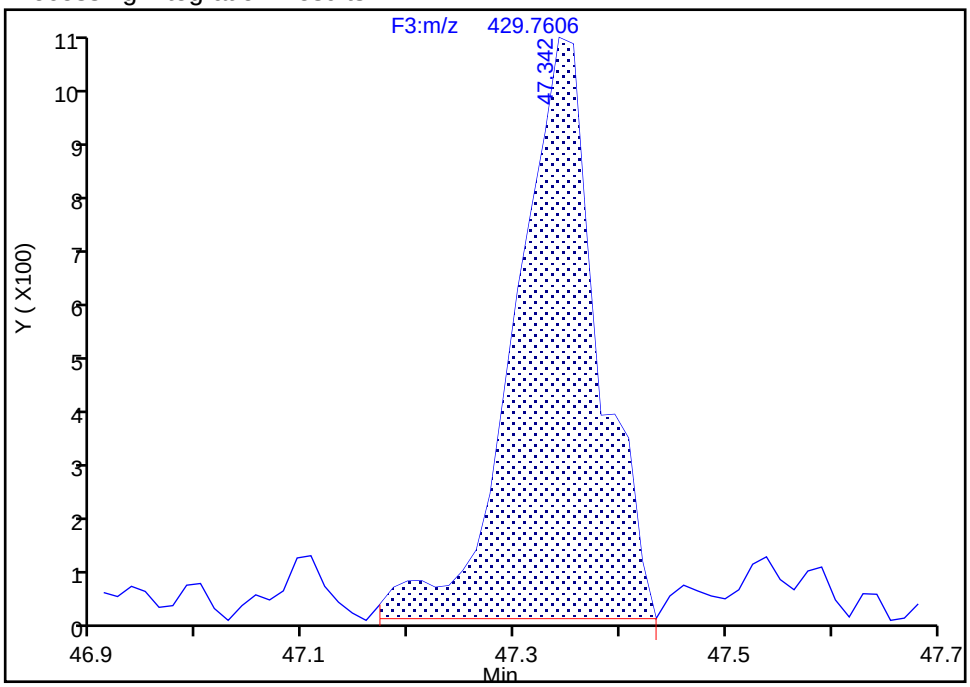
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-198/199, CAS: STL01825

Signal: 2

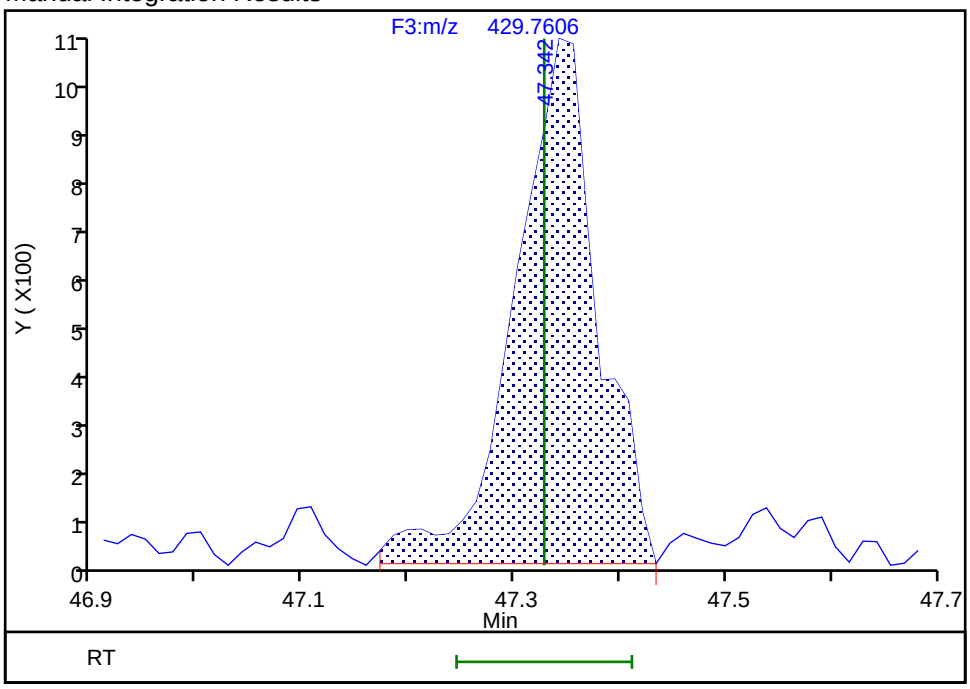
Processing Integration Results

RT: 47.34
Area: 5601
Amount: 0.778036
Amount Units: pg/ul




Manual Integration Results

RT: 47.34
Area: 5601
Amount: 0.738048
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:43:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

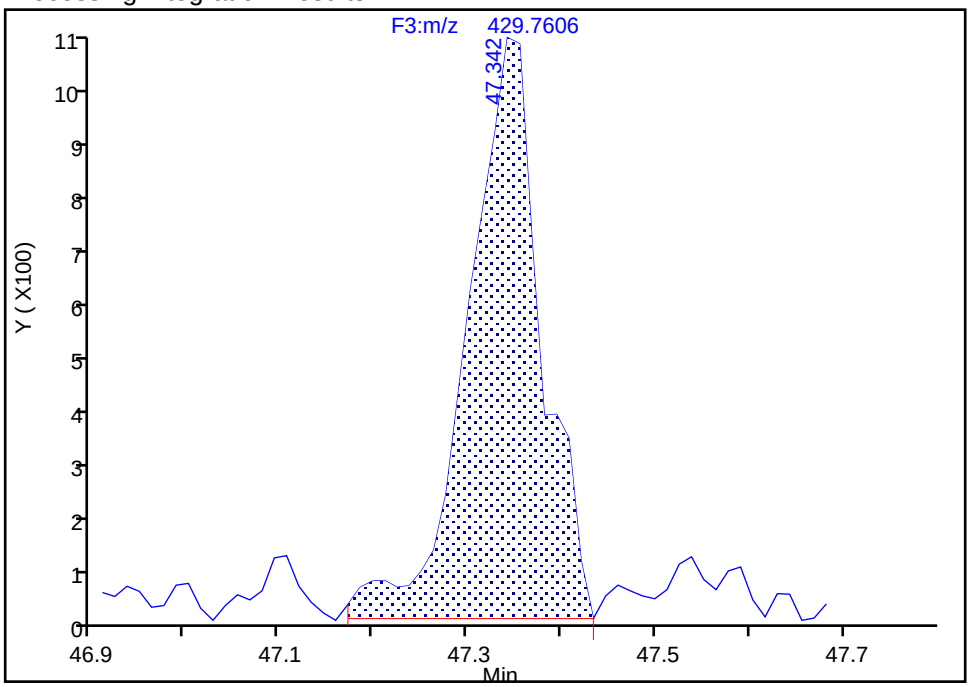
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-198/199, CAS: STL01825

Signal: 3

Processing Integration Results

RT: 47.36
Area: 12316
Amount: 0.778036
Amount Units: pg/ul




Manual Integration Results

RT: 47.36
Area: 11683
Amount: 0.738048
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:43:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

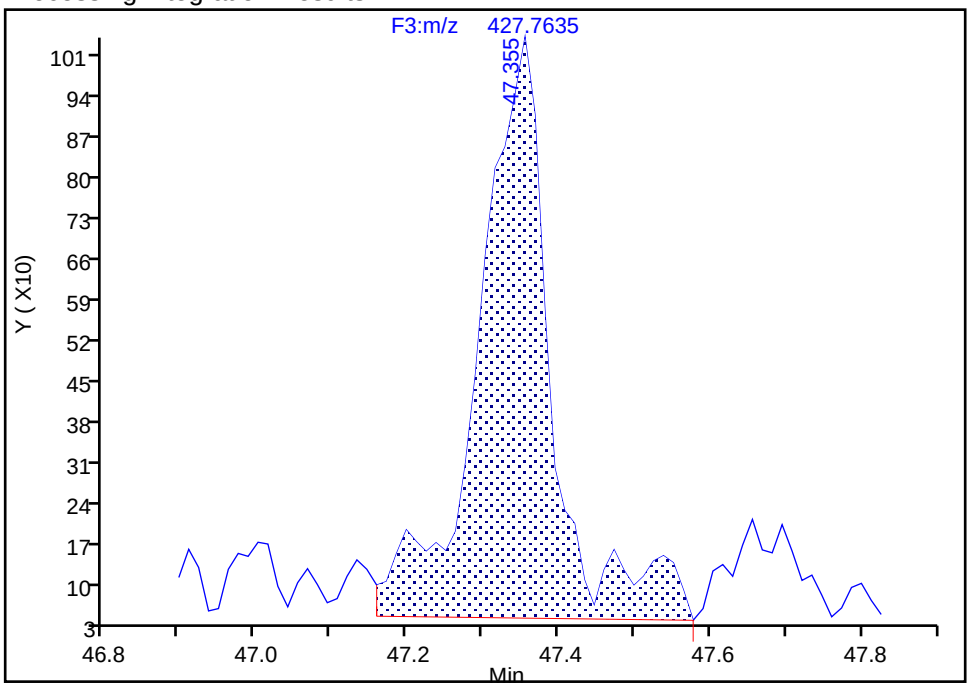
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-198/199, CAS: STL01825

Signal: 1

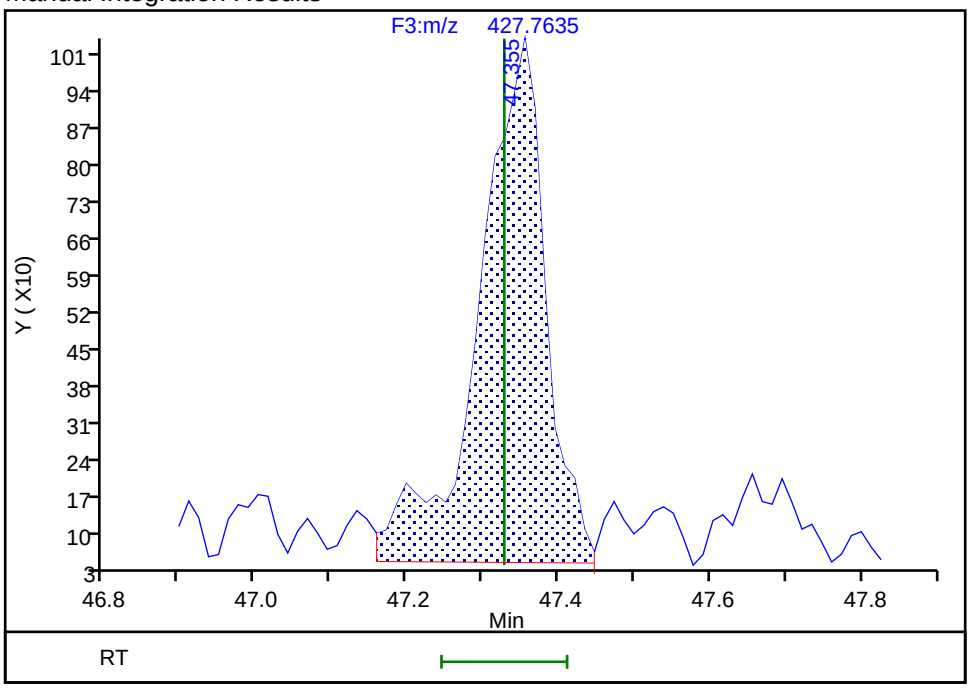
Processing Integration Results

RT: 47.36
Area: 6715
Amount: 0.778036
Amount Units: pg/ul




Manual Integration Results

RT: 47.36
Area: 6082
Amount: 0.738048
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:43:46

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

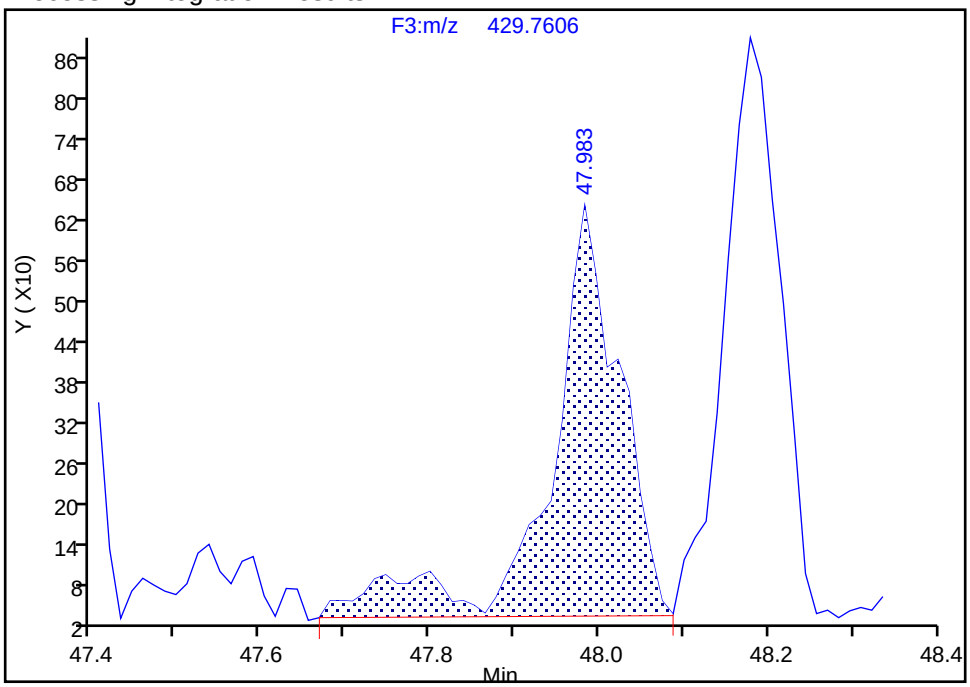
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-196, CAS: 42740-50-1

Signal: 2

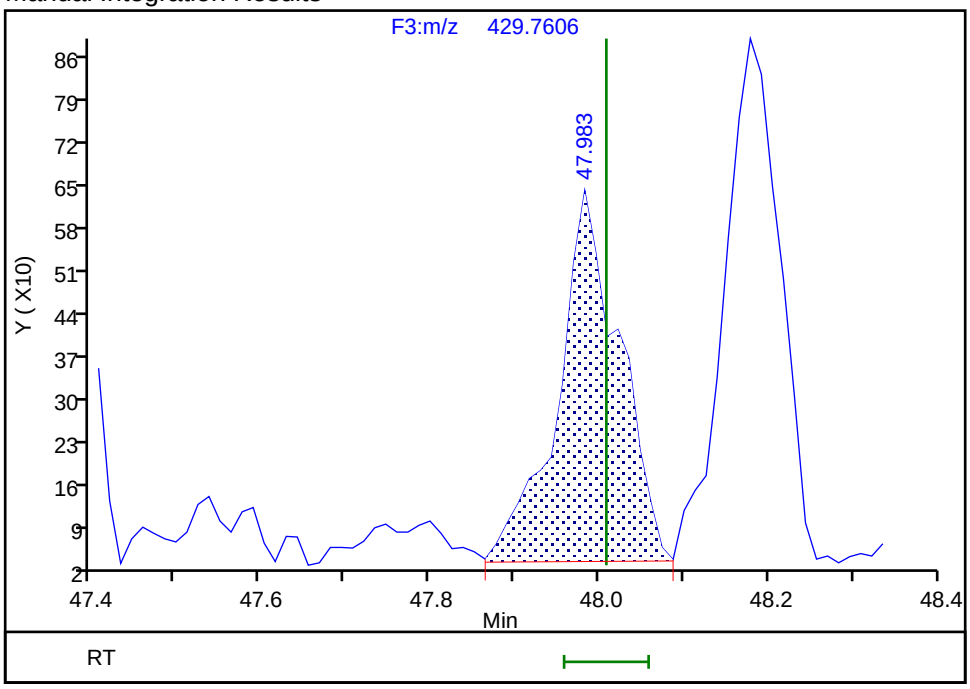
Processing Integration Results

RT: 47.98
Area: 3501
Amount: 0.413570
Amount Units: pg/ul




Manual Integration Results

RT: 47.98
Area: 3061
Amount: 0.387570
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:43:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

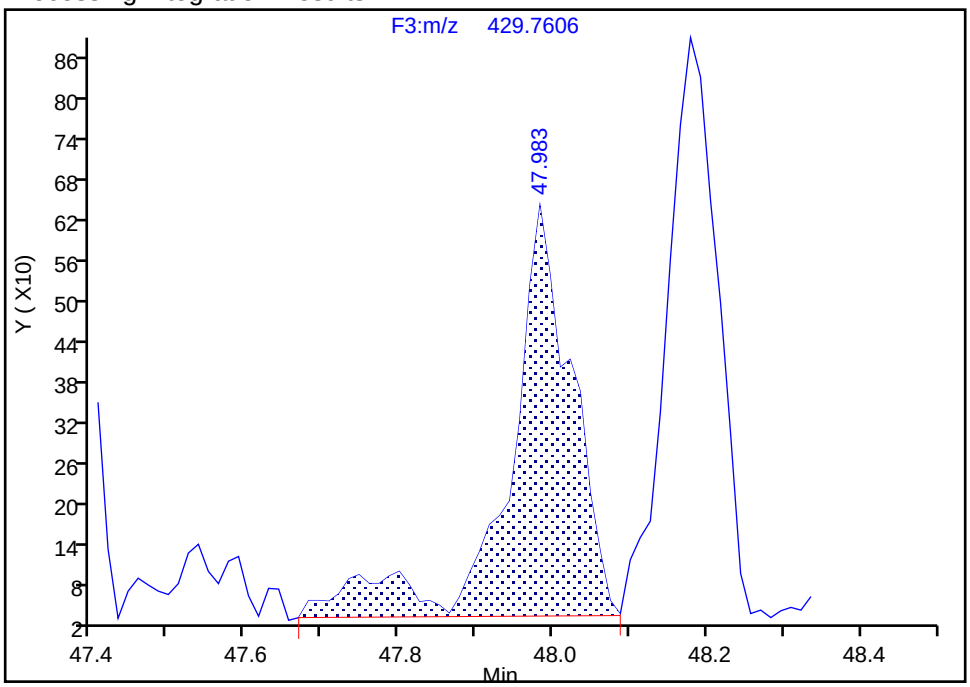
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-196, CAS: 42740-50-1

Signal: 3

Processing Integration Results

RT: 48.00
Area: 6999
Amount: 0.413570
Amount Units: pg/ul




Manual Integration Results

RT: 48.00
Area: 6559
Amount: 0.387570
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:43:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

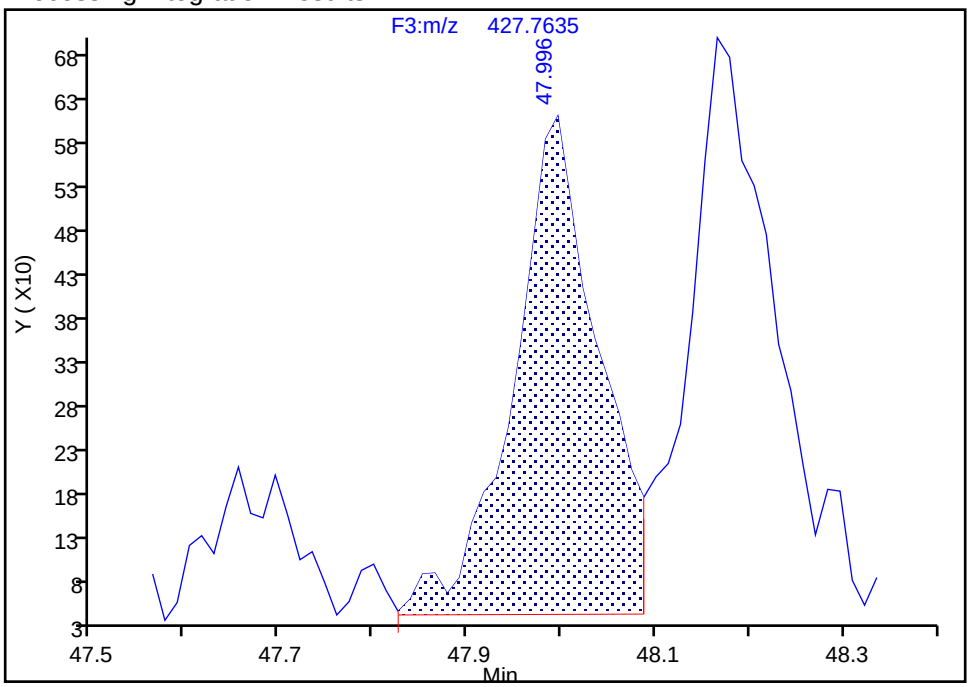
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-196, CAS: 42740-50-1

Signal: 1

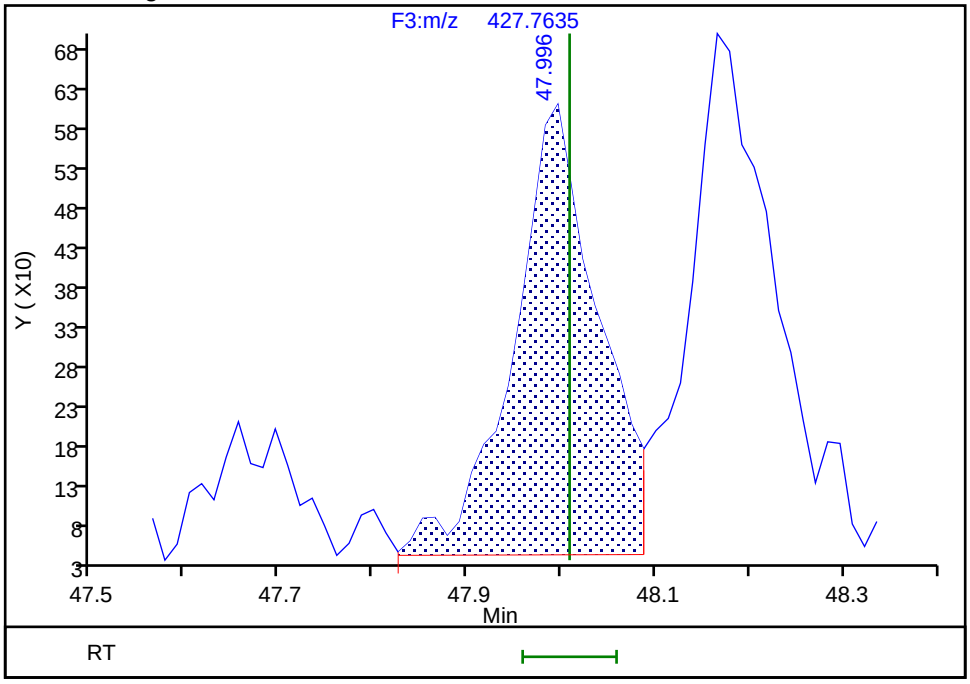
Processing Integration Results

RT: 48.00
Area: 3498
Amount: 0.413570
Amount Units: pg/ul




Manual Integration Results

RT: 48.00
Area: 3498
Amount: 0.387570
Amount Units: pg/ul



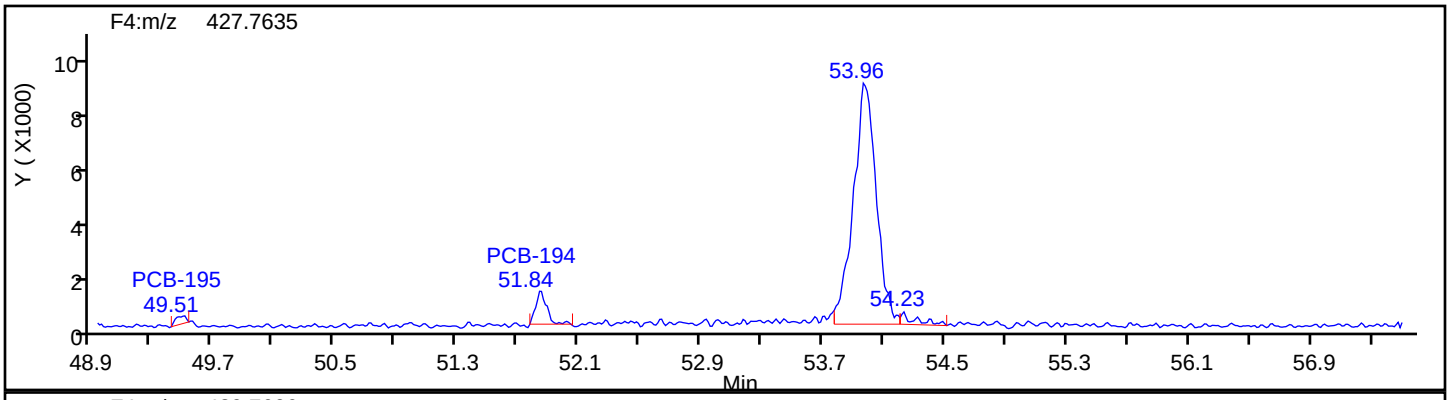

Reviewer: mcwhirterl, 04-Oct-2019 00:43:59

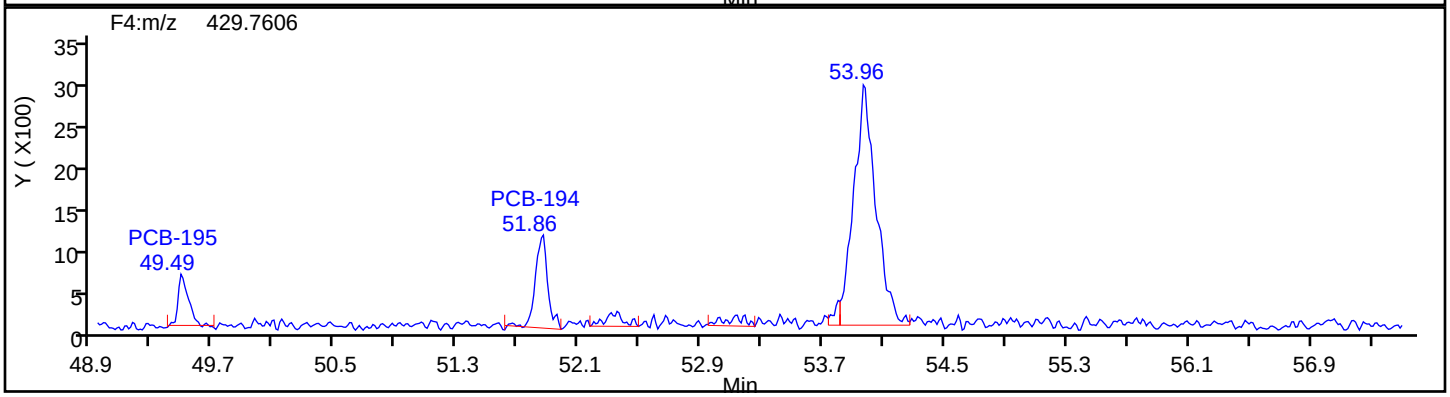
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

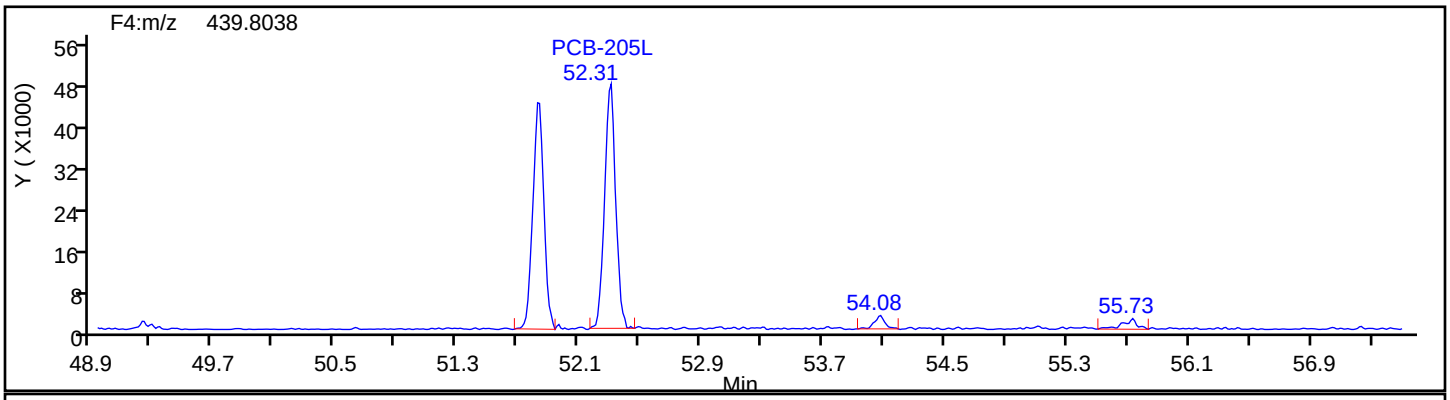
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

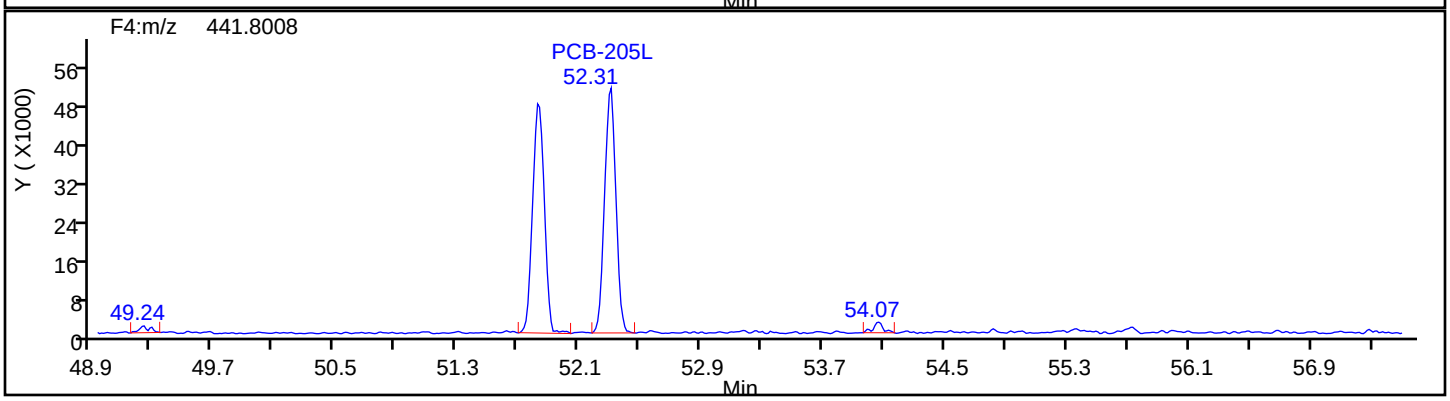
OcPCB F4




OcPCB F4 Standards

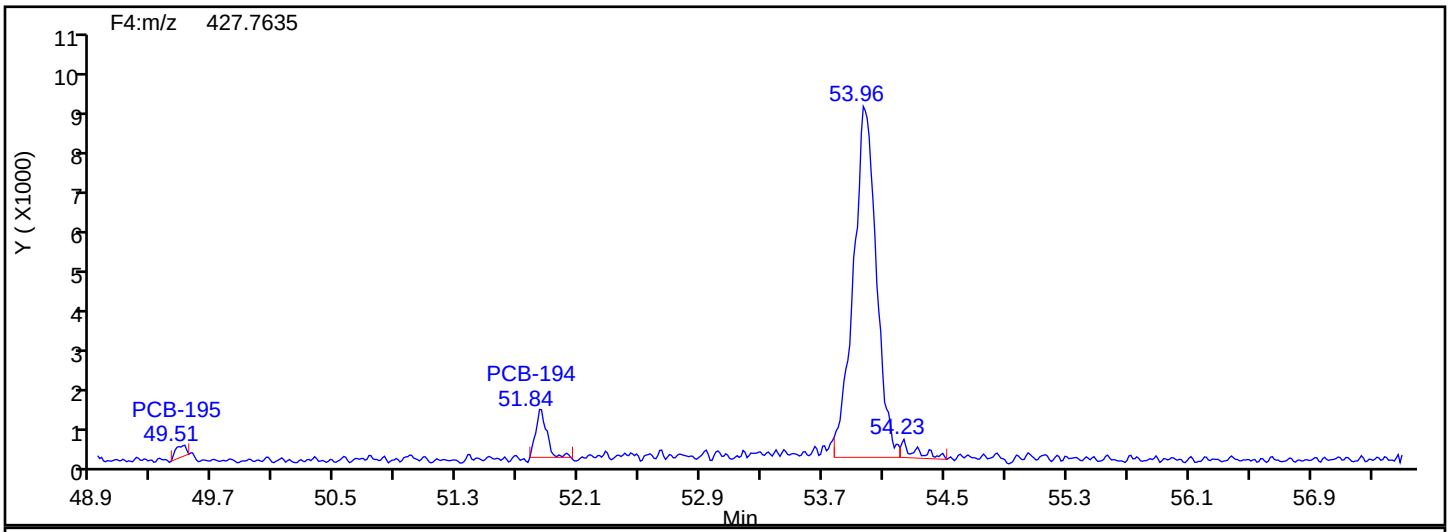


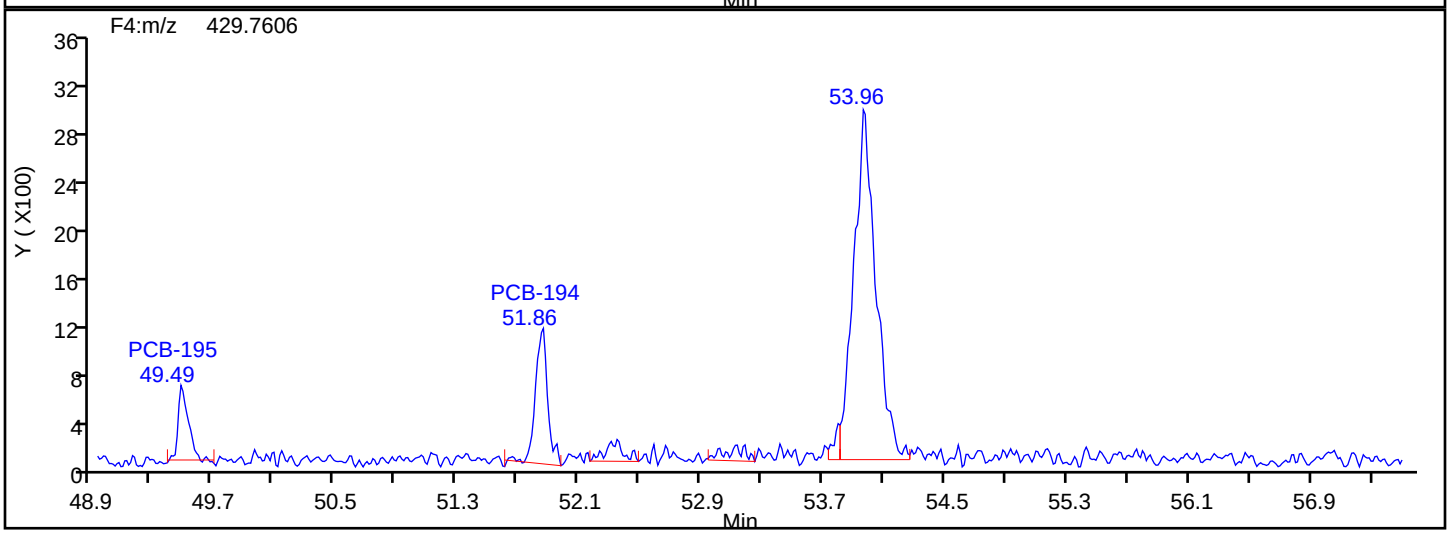



Eurofins TestAmerica, Knoxville

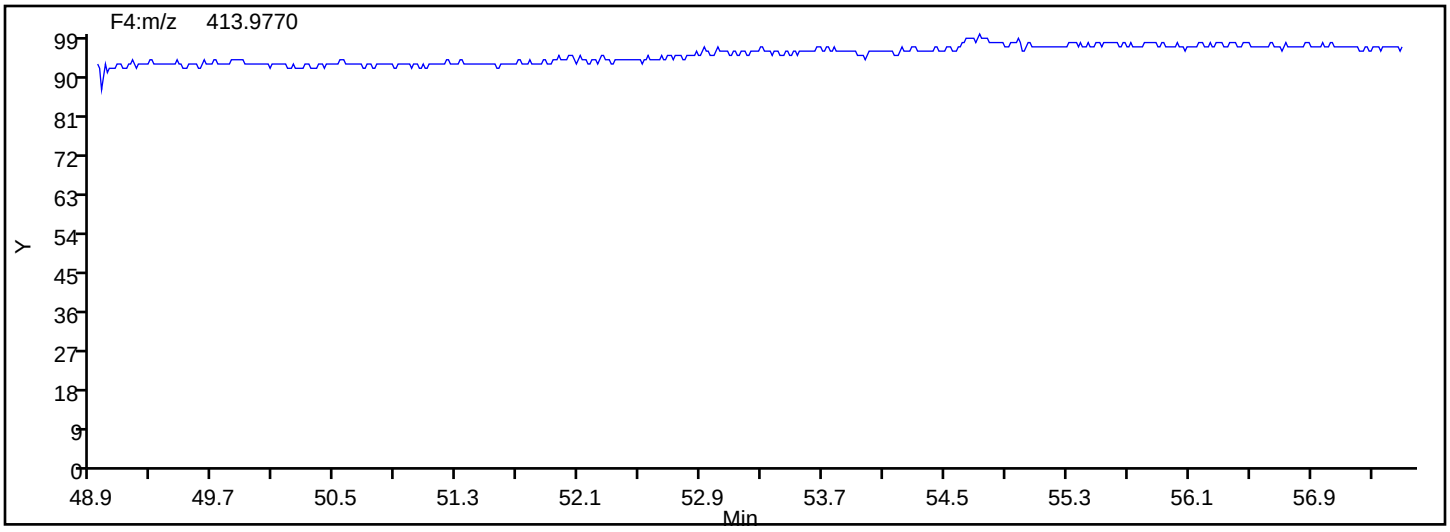
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



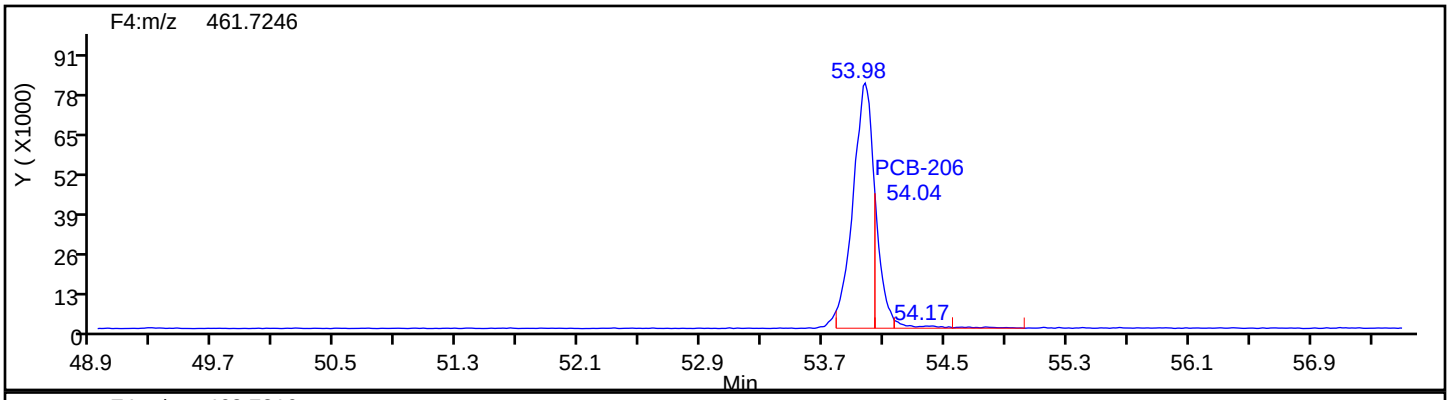

OcPCB F4 Lock Mass

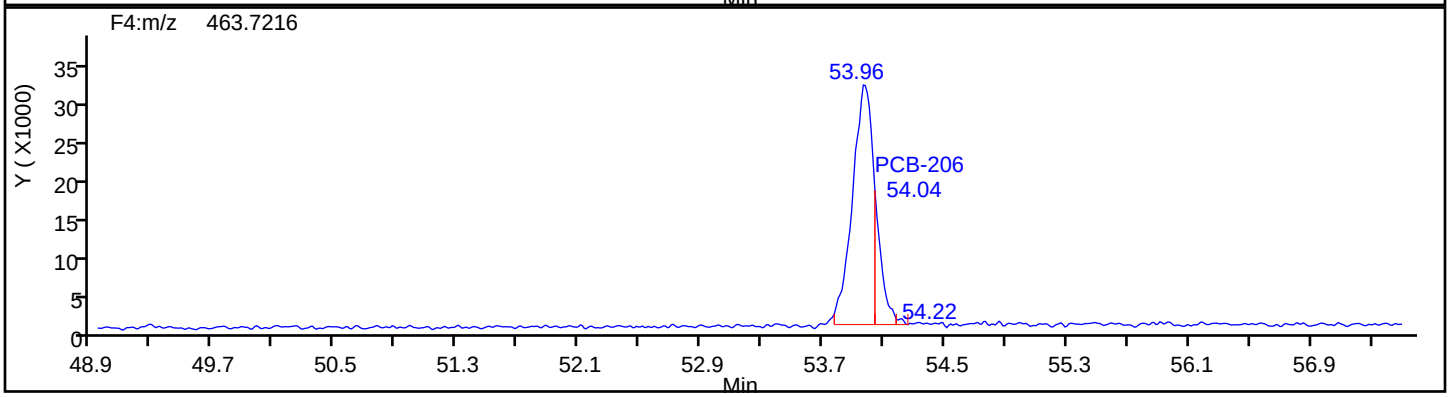


Eurofins TestAmerica, Knoxville

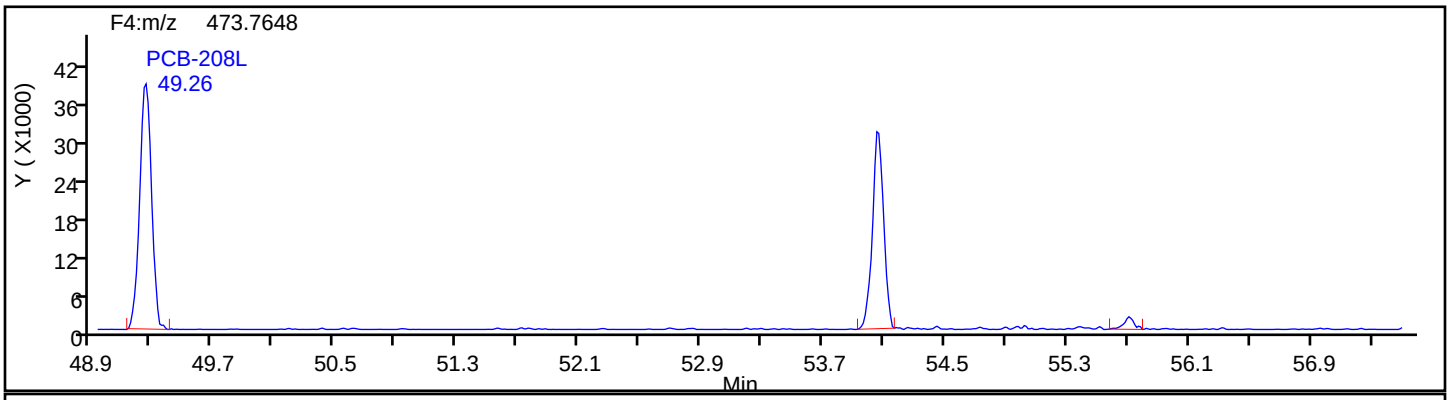
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

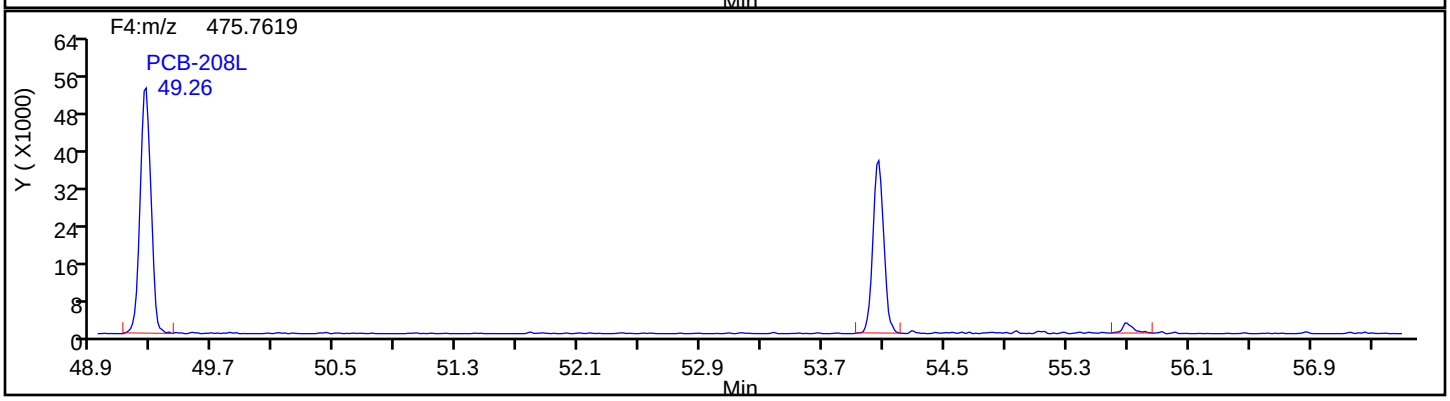
NoPCB F4




NoPCB F4 Standards

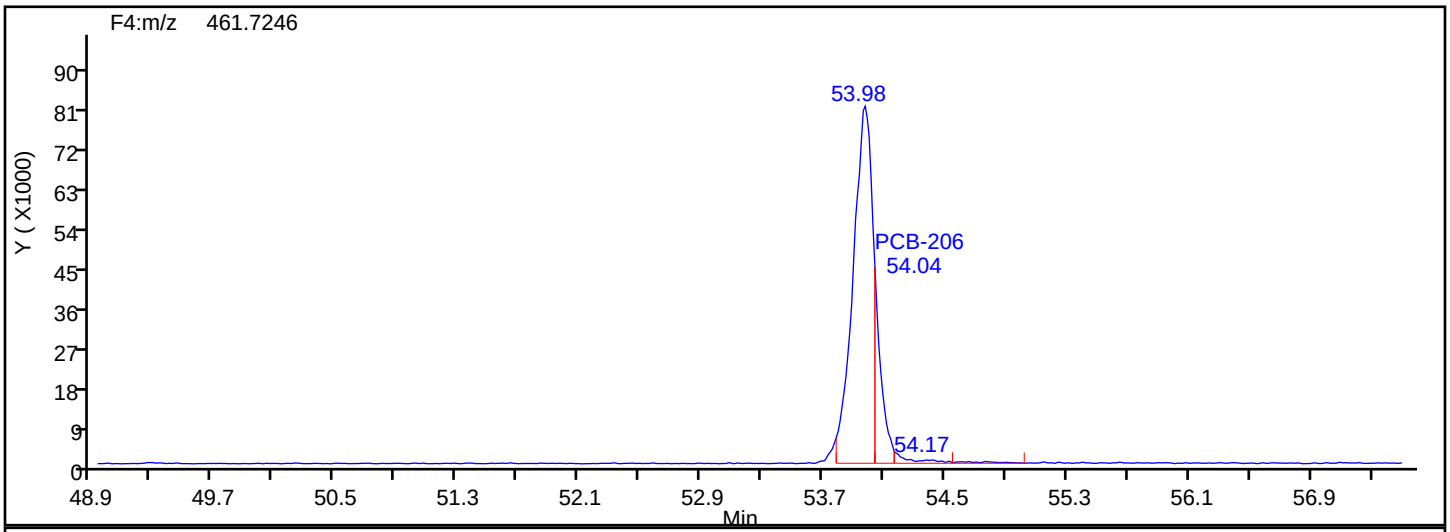


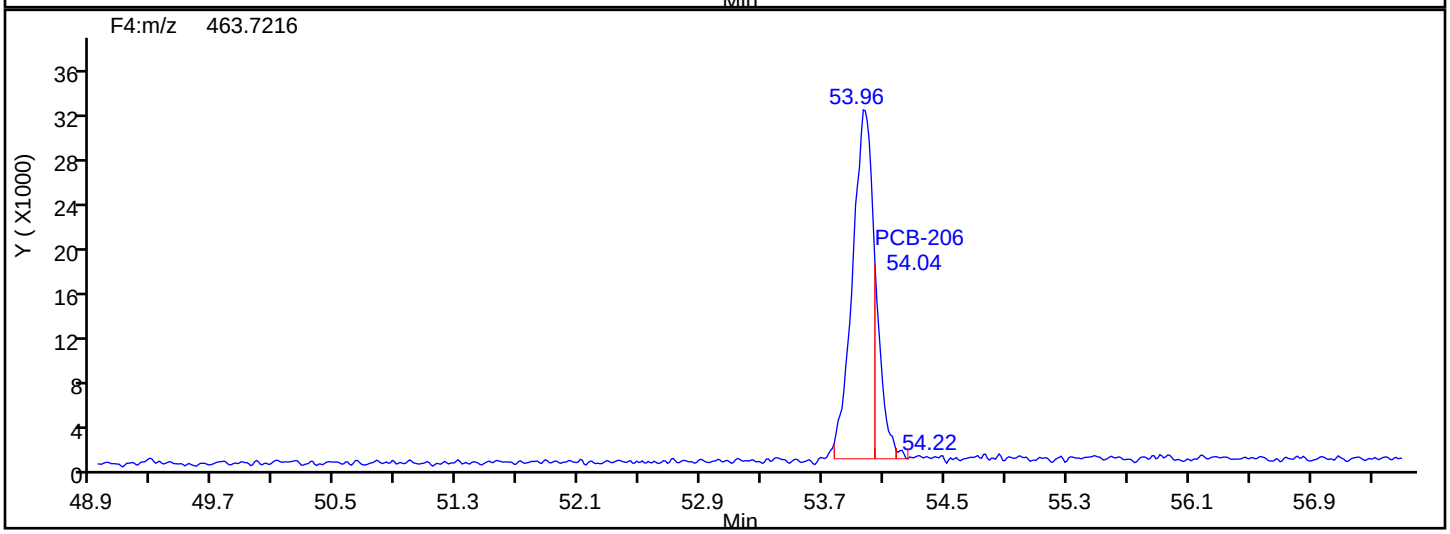



Eurofins TestAmerica, Knoxville

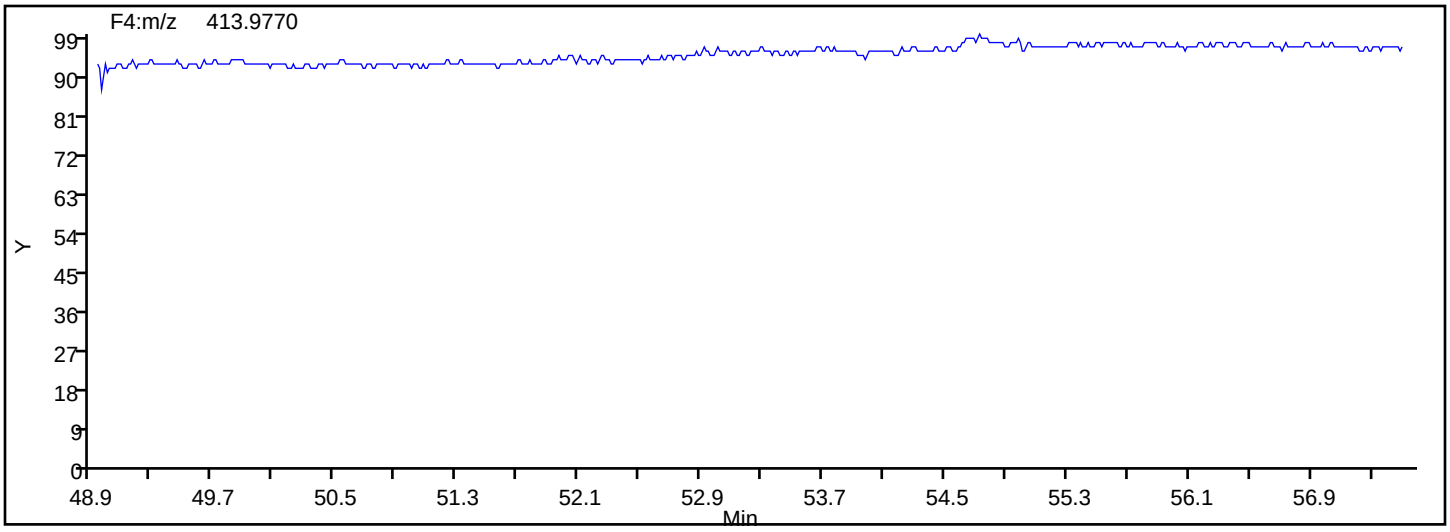
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

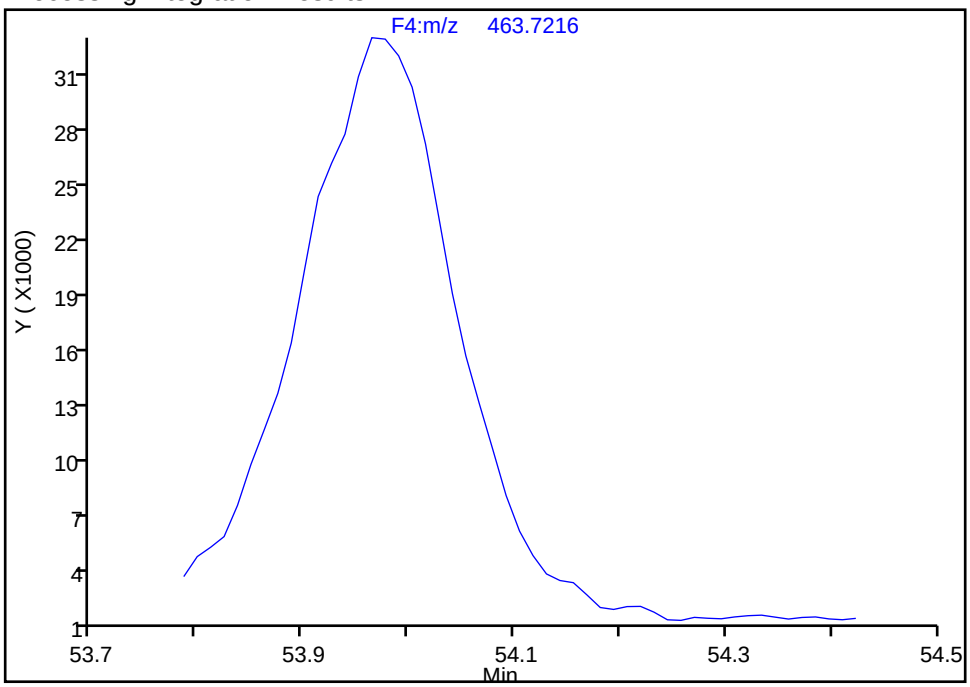
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

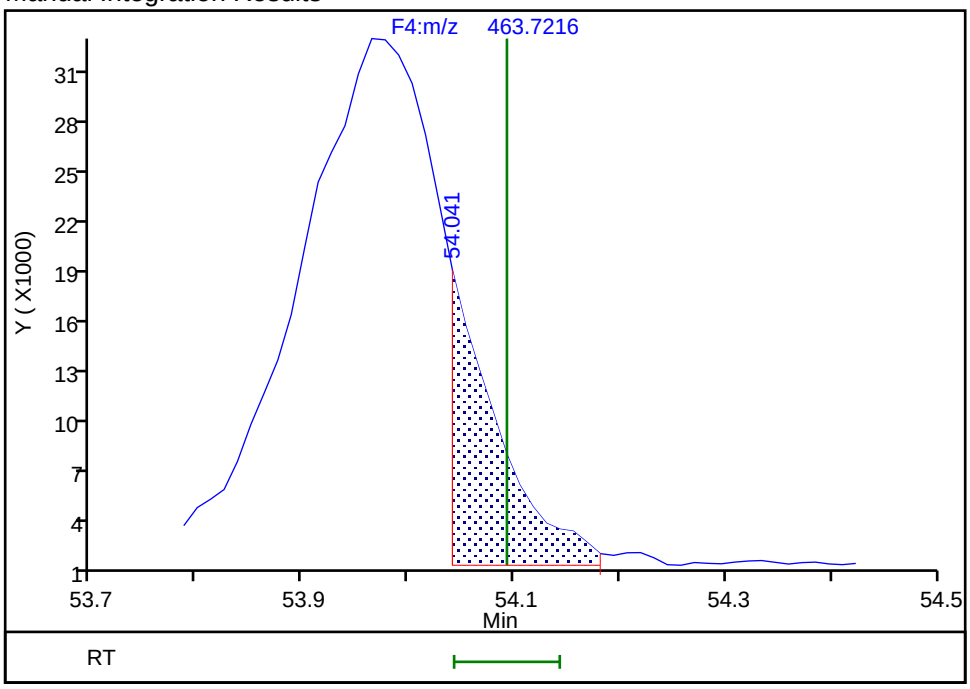
Not Detected
Expected RT: 54.09

Processing Integration Results




Manual Integration Results

RT: 54.04
Area: 50755
Amount: 8.492625
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:44:36
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

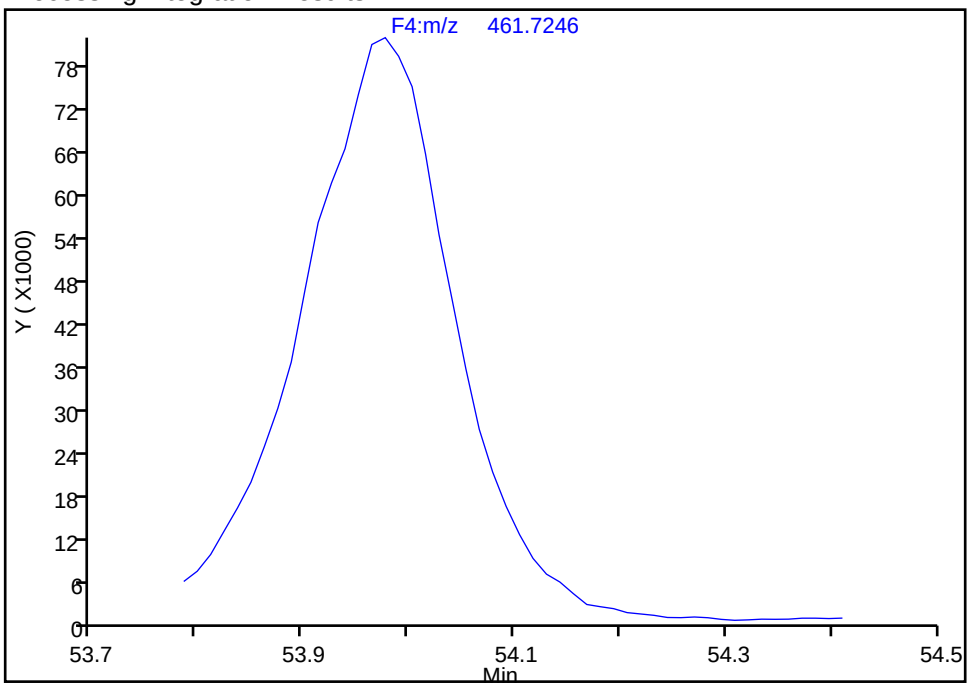
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

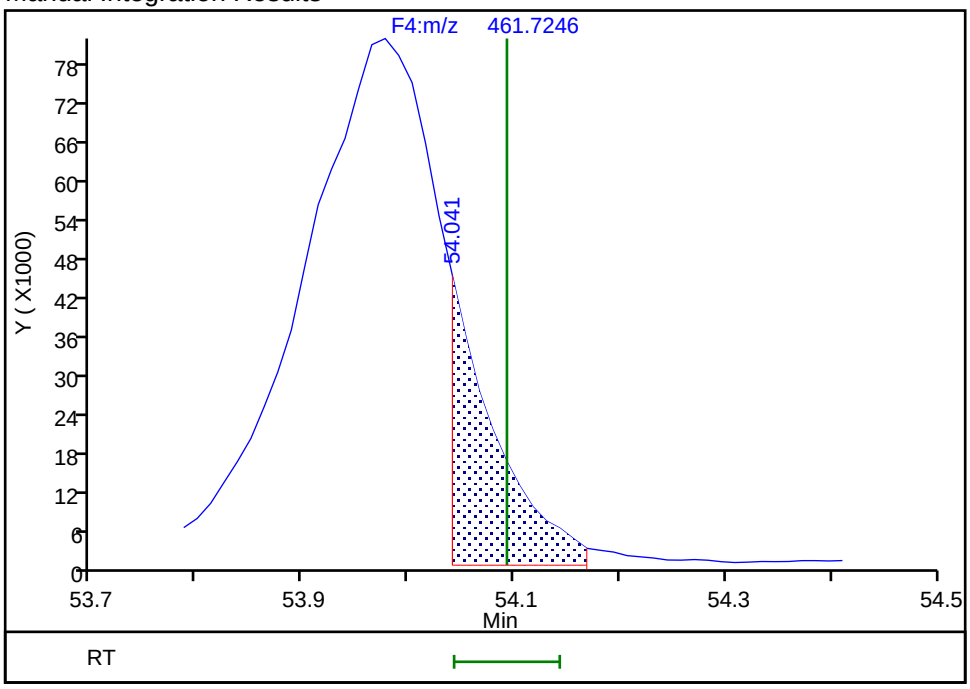
Processing Integration Results

Not Detected
Expected RT: 54.09




Manual Integration Results

RT: 54.04
Area: 122298
Amount: 8.492625
Amount Units: pg/ul

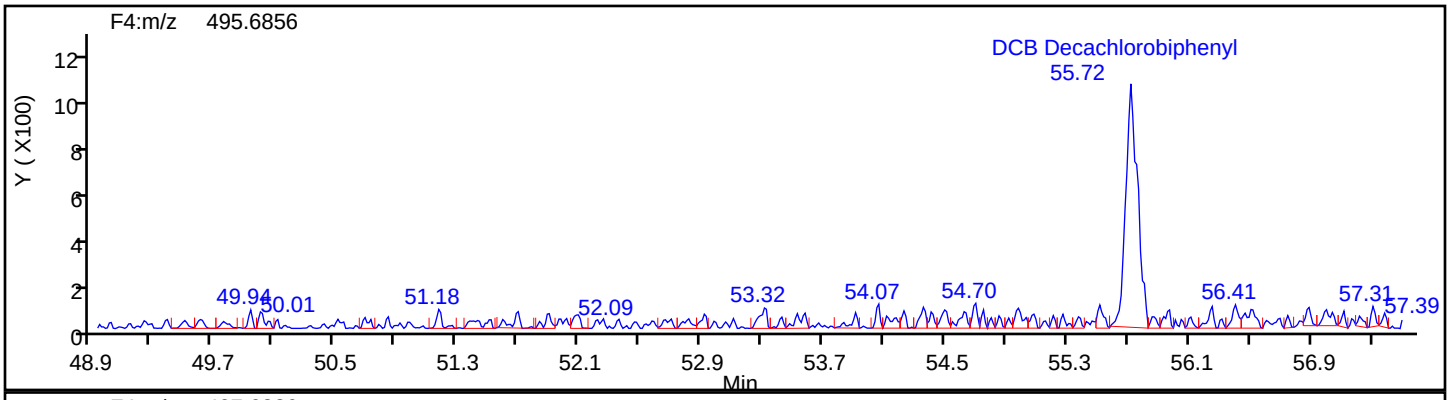


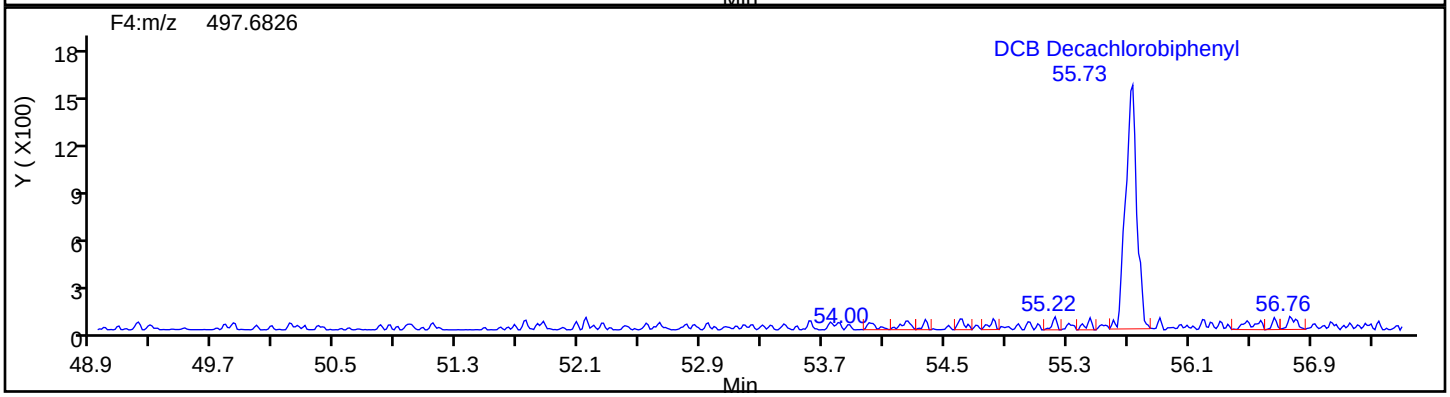

Reviewer: mcwhirterl, 04-Oct-2019 00:44:40
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

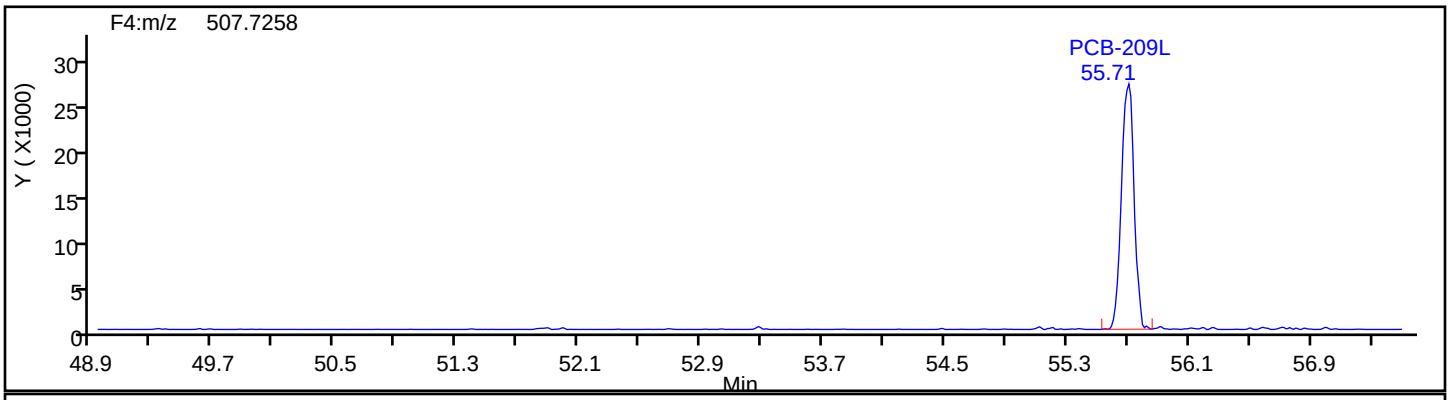
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

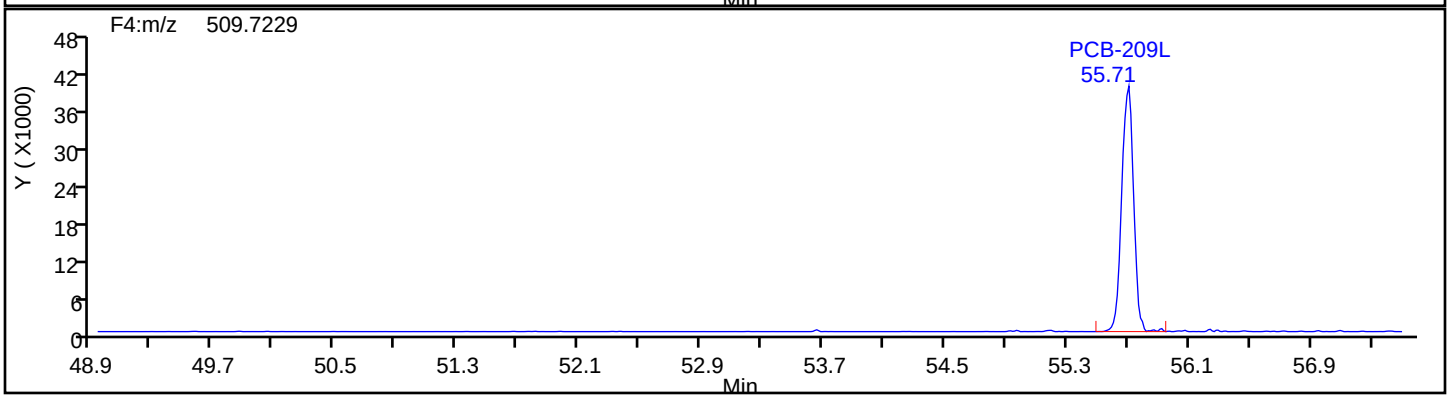
DePCB F4




DePCB F4 Standards

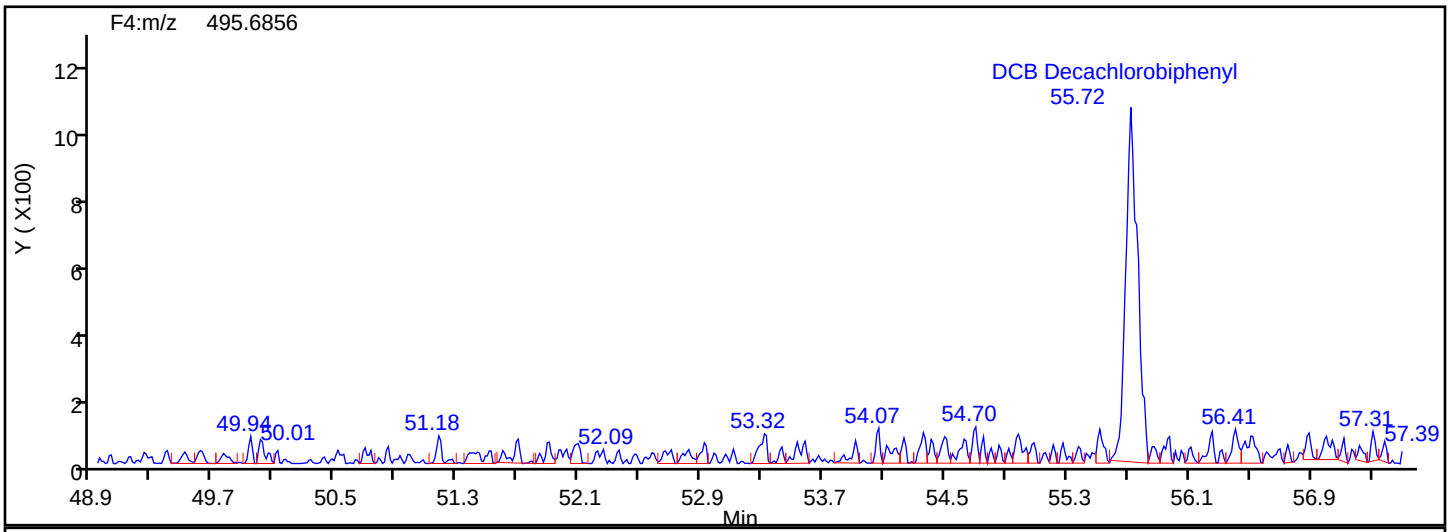


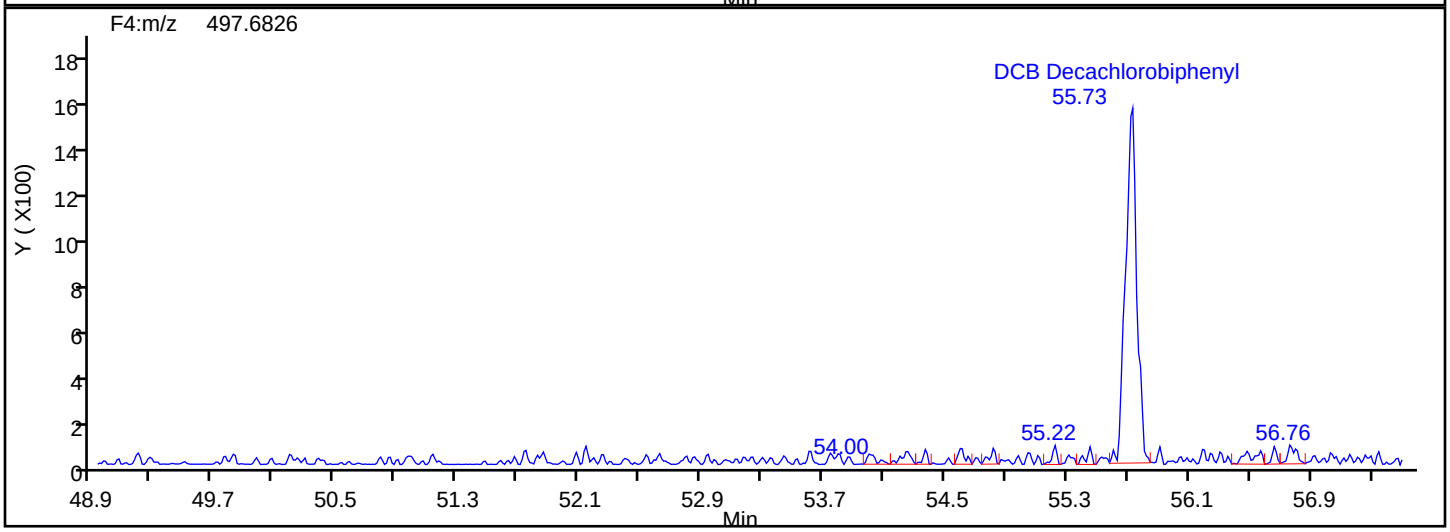



Eurofins TestAmerica, Knoxville

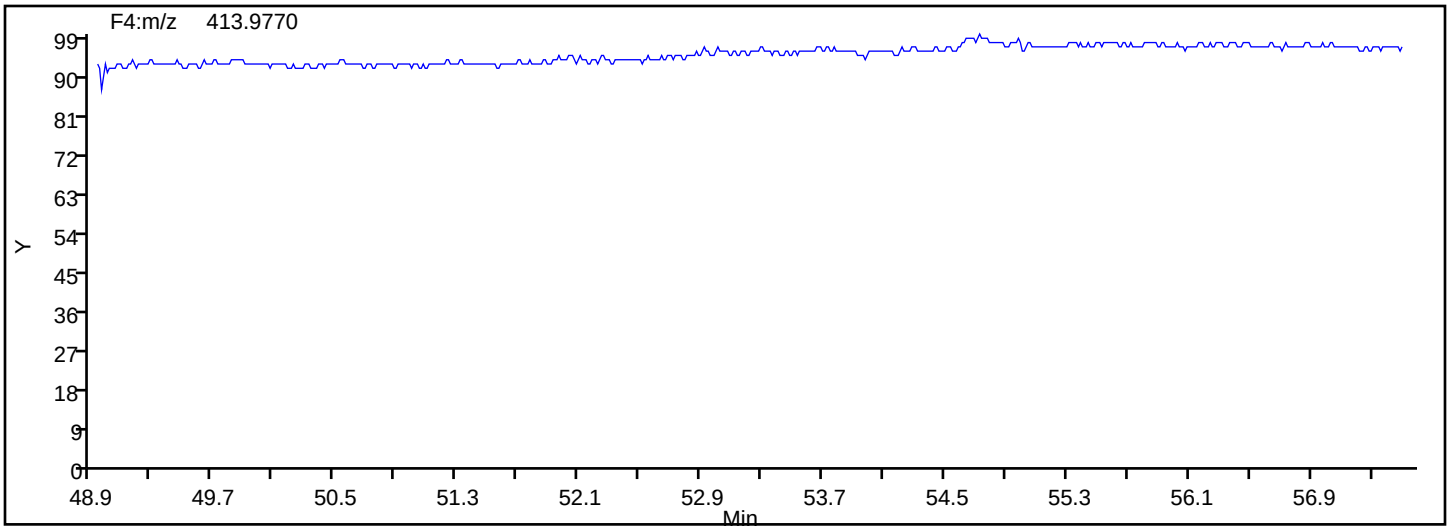
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-80to90-82719 | | |
| Worklist#: | 34146 | Sample Line#: | 13 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

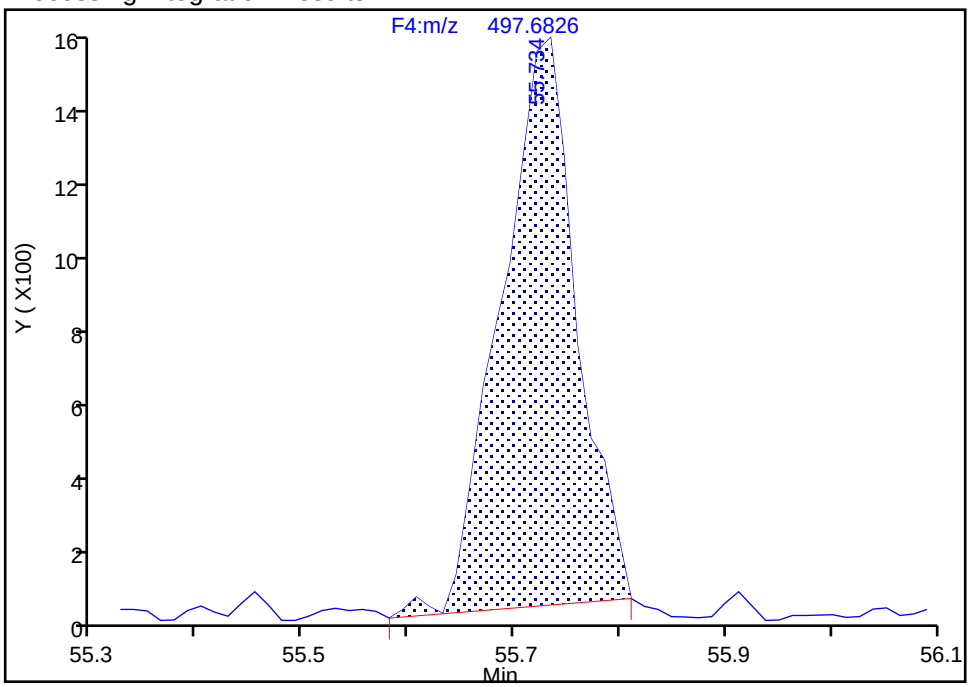
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

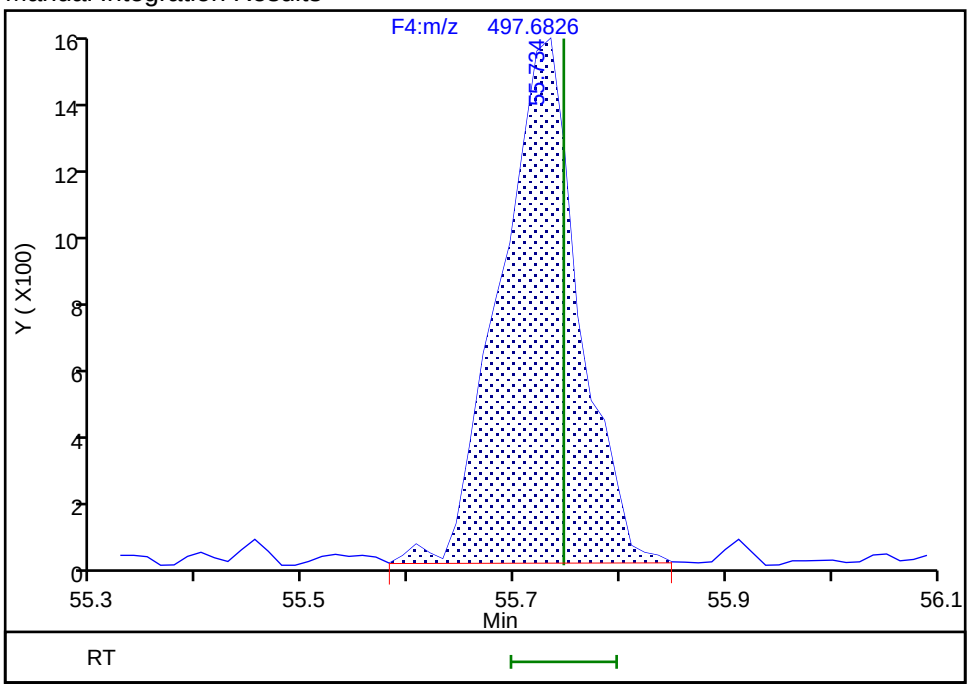
Processing Integration Results

RT: 55.73
Area: 7491
Amount: 0.555951
Amount Units: pg/ul




Manual Integration Results

RT: 55.73
Area: 7911
Amount: 0.574100
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:45:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

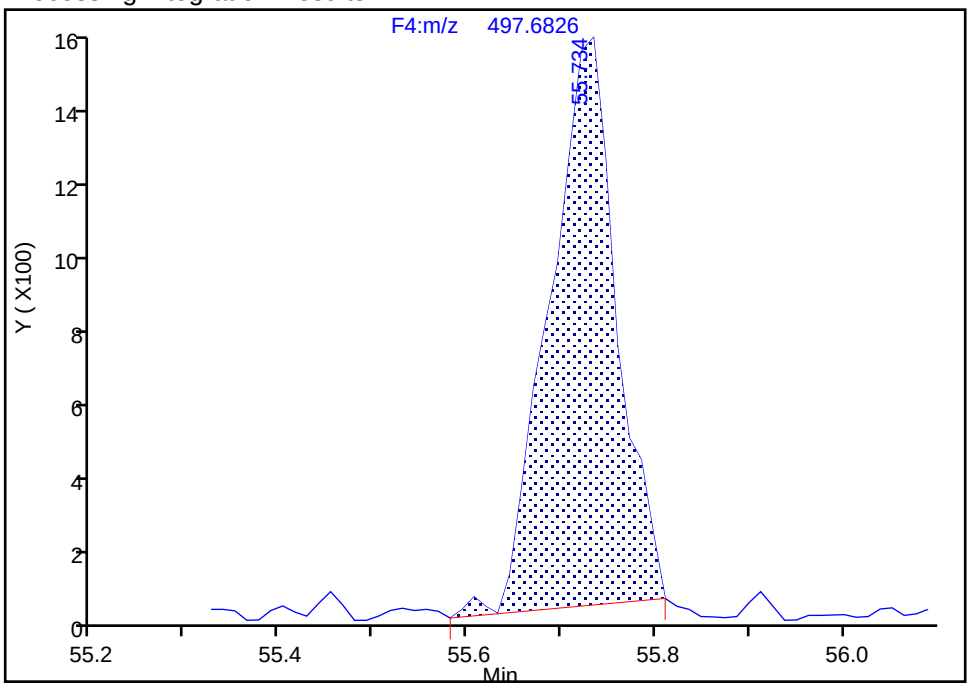
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 3

Processing Integration Results

RT: 55.72
Area: 12866
Amount: 0.555951
Amount Units: pg/ul




Manual Integration Results

RT: 55.72
Area: 13286
Amount: 0.574100
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 00:45:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

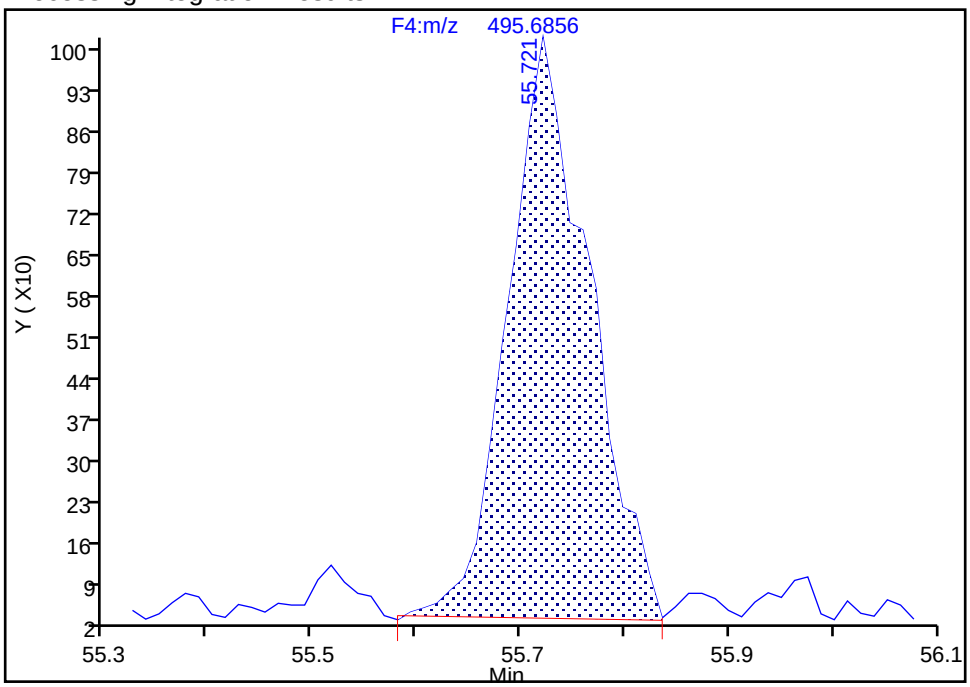
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\580-88908-a-32-c.d | | | | |
| Injection Date: | 03-Oct-2019 20:51:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-32-C | Lab Sample ID: | 140-88908-32 | | |
| Client ID: | J5-SC1b-80to90-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 13 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

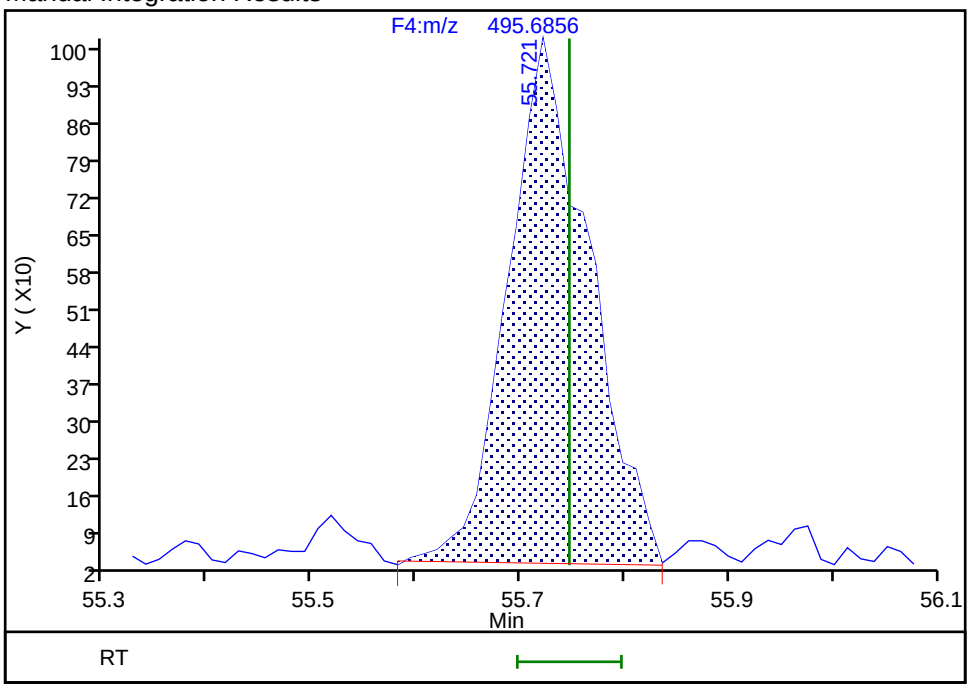
Processing Integration Results

RT: 55.72
Area: 5375
Amount: 0.555951
Amount Units: pg/ul




Manual Integration Results

RT: 55.72
Area: 5375
Amount: 0.574100
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 00:45:03
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.0051 | J | 0.0096 | 0.00013 |
| 2051-61-8 | PCB-2 | 0.0014 | J | 0.0096 | 0.00014 |
| 2051-62-9 | PCB-3 | 0.0021 | J | 0.0096 | 0.00015 |
| 13029-08-8 | PCB-4 | 0.022 | | 0.019 | 0.00064 |
| 16605-91-7 | PCB-5 | 0.0011 | J q | 0.0096 | 0.00042 |
| 25569-80-6 | PCB-6 | 0.010 | | 0.0096 | 0.00042 |
| 33284-50-3 | PCB-7 | 0.0020 | J q | 0.0096 | 0.00040 |
| 34883-43-7 | PCB-8 | 0.034 | | 0.019 | 0.00041 |
| 34883-39-1 | PCB-9 | 0.0040 | J q | 0.0096 | 0.00046 |
| 33146-45-1 | PCB-10 | 0.0015 | J | 0.0096 | 0.00044 |
| 2050-67-1 | PCB-11 | 0.0096 | J q B | 0.019 | 0.00040 |
| 2974-92-7 | PCB-12 | 0.0068 | J C | 0.019 | 0.00040 |
| 2974-90-5 | PCB-13 | 0.0068 | J C12 | 0.019 | 0.00040 |
| 34883-41-5 | PCB-14 | ND | | 0.0096 | 0.00035 |
| 2050-68-2 | PCB-15 | 0.0093 | J | 0.0096 | 0.00040 |
| 38444-78-9 | PCB-16 | 0.021 | | 0.0096 | 0.00066 |
| 37680-66-3 | PCB-17 | 0.022 | B | 0.0096 | 0.00051 |
| 37680-65-2 | PCB-18 | 0.048 | C B | 0.019 | 0.00044 |
| 38444-73-4 | PCB-19 | 0.0064 | J | 0.0096 | 0.00062 |
| 38444-84-7 | PCB-20 | 0.054 | C B | 0.019 | 0.00074 |
| 55702-46-0 | PCB-21 | 0.029 | C B | 0.019 | 0.00070 |
| 38444-85-8 | PCB-22 | 0.018 | B | 0.0096 | 0.00078 |
| 55720-44-0 | PCB-23 | ND | | 0.0096 | 0.00076 |
| 55702-45-9 | PCB-24 | ND | | 0.0096 | 0.00038 |
| 55712-37-3 | PCB-25 | 0.011 | | 0.0096 | 0.00071 |
| 38444-81-4 | PCB-26 | 0.050 | C B | 0.019 | 0.00073 |
| 38444-76-7 | PCB-27 | 0.0034 | J q | 0.0096 | 0.00037 |
| 7012-37-5 | PCB-28 | 0.054 | C20 B | 0.019 | 0.00074 |
| 15862-07-4 | PCB-29 | 0.050 | C26 B | 0.019 | 0.00073 |
| 35693-92-6 | PCB-30 | 0.048 | C18 B | 0.019 | 0.00044 |
| 16606-02-3 | PCB-31 | 0.065 | B | 0.019 | 0.00070 |
| 38444-77-8 | PCB-32 | 0.013 | | 0.0096 | 0.00034 |
| 38444-86-9 | PCB-33 | 0.029 | C21 B | 0.019 | 0.00070 |
| 37680-68-5 | PCB-34 | ND | | 0.0096 | 0.00080 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.032 | | 0.0096 | 0.00079 |
| 38444-87-0 | PCB-36 | 0.0015 | J q | 0.0096 | 0.00072 |
| 38444-90-5 | PCB-37 | 0.021 | B | 0.0096 | 0.00075 |
| 53555-66-1 | PCB-38 | ND | | 0.0096 | 0.00073 |
| 38444-88-1 | PCB-39 | 0.0016 | J | 0.0096 | 0.00069 |
| 38444-93-8 | PCB-40 | 0.080 | C | 0.029 | 0.00073 |
| 52663-59-9 | PCB-41 | 0.080 | C40 | 0.029 | 0.00073 |
| 36559-22-5 | PCB-42 | 0.042 | | 0.0096 | 0.00078 |
| 70362-46-8 | PCB-43 | 0.0051 | J C | 0.019 | 0.00067 |
| 41464-39-5 | PCB-44 | 0.35 | C B | 0.029 | 0.00065 |
| 70362-45-7 | PCB-45 | 0.021 | C B | 0.019 | 0.00076 |
| 41464-47-5 | PCB-46 | 0.0072 | J | 0.0096 | 0.00089 |
| 2437-79-8 | PCB-47 | 0.35 | C44 B | 0.029 | 0.00065 |
| 70362-47-9 | PCB-48 | 0.024 | | 0.0096 | 0.00071 |
| 41464-40-8 | PCB-49 | 0.21 | C B | 0.019 | 0.00059 |
| 62796-65-0 | PCB-50 | 0.030 | C | 0.019 | 0.00072 |
| 68194-04-7 | PCB-51 | 0.021 | C45 B | 0.019 | 0.00076 |
| 35693-99-3 | PCB-52 | 0.88 | B | 0.0096 | 0.00075 |
| 41464-41-9 | PCB-53 | 0.030 | C50 | 0.019 | 0.00072 |
| 15968-05-5 | PCB-54 | 0.00081 | J q | 0.0096 | 0.00011 |
| 74338-24-2 | PCB-55 | 0.0056 | J q | 0.0096 | 0.00052 |
| 41464-43-1 | PCB-56 | 0.089 | | 0.0096 | 0.00053 |
| 70424-67-8 | PCB-57 | ND | | 0.0096 | 0.00052 |
| 41464-49-7 | PCB-58 | 0.0019 | J q | 0.0096 | 0.00051 |
| 74472-33-6 | PCB-59 | 0.013 | J C | 0.029 | 0.00049 |
| 33025-41-1 | PCB-60 | 0.028 | | 0.0096 | 0.00051 |
| 33284-53-6 | PCB-61 | 0.64 | C B | 0.038 | 0.00050 |
| 54230-22-7 | PCB-62 | 0.013 | J C59 | 0.029 | 0.00049 |
| 74472-34-7 | PCB-63 | 0.0082 | J | 0.0096 | 0.00046 |
| 52663-58-8 | PCB-64 | 0.095 | | 0.0096 | 0.00047 |
| 33284-54-7 | PCB-65 | 0.35 | C44 B | 0.029 | 0.00065 |
| 32598-10-0 | PCB-66 | 0.18 | B | 0.0096 | 0.00053 |
| 73575-53-8 | PCB-67 | 0.016 | | 0.0096 | 0.00048 |
| 73575-52-7 | PCB-68 | 0.0052 | J B | 0.0096 | 0.00045 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 0.21 | C49 B | 0.019 | 0.00059 |
| 32598-11-1 | PCB-70 | 0.64 | C61 B | 0.038 | 0.00050 |
| 41464-46-4 | PCB-71 | 0.080 | C40 | 0.029 | 0.00073 |
| 41464-42-0 | PCB-72 | 0.011 | | 0.0096 | 0.00051 |
| 74338-23-1 | PCB-73 | 0.0051 | J C43 | 0.019 | 0.00067 |
| 32690-93-0 | PCB-74 | 0.64 | C61 B | 0.038 | 0.00050 |
| 32598-12-2 | PCB-75 | 0.013 | J C59 | 0.029 | 0.00049 |
| 70362-48-0 | PCB-76 | 0.64 | C61 B | 0.038 | 0.00050 |
| 32598-13-3 | PCB-77 | 0.043 | | 0.0096 | 0.00052 |
| 70362-49-1 | PCB-78 | ND | | 0.0096 | 0.00051 |
| 41464-48-6 | PCB-79 | 0.014 | | 0.0096 | 0.00044 |
| 33284-52-5 | PCB-80 | ND | | 0.0096 | 0.00046 |
| 70362-50-4 | PCB-81 | 0.0013 | J q | 0.0096 | 0.00049 |
| 52663-62-4 | PCB-82 | 0.16 | B | 0.0096 | 0.00063 |
| 60145-20-2 | PCB-83 | 0.73 | C B | 0.019 | 0.00058 |
| 52663-60-2 | PCB-84 | 0.38 | B | 0.0096 | 0.00064 |
| 65510-45-4 | PCB-85 | 0.21 | C | 0.029 | 0.00045 |
| 55312-69-1 | PCB-86 | 0.90 | C B | 0.058 | 0.00046 |
| 38380-02-8 | PCB-87 | 0.90 | C86 B | 0.058 | 0.00046 |
| 55215-17-3 | PCB-88 | 0.19 | C B | 0.019 | 0.00054 |
| 73575-57-2 | PCB-89 | 0.015 | | 0.0096 | 0.00061 |
| 68194-07-0 | PCB-90 | 1.4 | C B | 0.029 | 0.00048 |
| 68194-05-8 | PCB-91 | 0.19 | C88 B | 0.019 | 0.00054 |
| 52663-61-3 | PCB-92 | 0.29 | B | 0.0096 | 0.00057 |
| 73575-56-1 | PCB-93 | 0.015 | J q C | 0.019 | 0.00056 |
| 73575-55-0 | PCB-94 | ND | | 0.0096 | 0.00061 |
| 38379-99-6 | PCB-95 | 1.2 | B | 0.0096 | 0.00057 |
| 73575-54-9 | PCB-96 | 0.0092 | J | 0.0096 | 0.00045 |
| 41464-51-1 | PCB-97 | 0.90 | C86 B | 0.058 | 0.00046 |
| 60233-25-2 | PCB-98 | 0.041 | C | 0.019 | 0.00055 |
| 38380-01-7 | PCB-99 | 0.73 | C83 B | 0.019 | 0.00058 |
| 39485-83-1 | PCB-100 | 0.015 | J q C93 | 0.019 | 0.00056 |
| 37680-73-2 | PCB-101 | 1.4 | C90 B | 0.029 | 0.00048 |
| 68194-06-9 | PCB-102 | 0.041 | C98 | 0.019 | 0.00055 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.016 | | 0.0096 | 0.00053 |
| 56558-16-8 | PCB-104 | ND | | 0.0096 | 0.00039 |
| 32598-14-4 | PCB-105 | 0.37 | B | 0.0096 | 0.00078 |
| 70424-69-0 | PCB-106 | ND | | 0.0096 | 0.00083 |
| 70424-68-9 | PCB-107 | 0.081 | B | 0.0096 | 0.00078 |
| 70362-41-3 | PCB-108 | 0.047 | C | 0.019 | 0.00085 |
| 74472-35-8 | PCB-109 | 0.90 | C86 B | 0.058 | 0.00046 |
| 38380-03-9 | PCB-110 | 1.5 | C B | 0.019 | 0.00040 |
| 39635-32-0 | PCB-111 | ND | | 0.0096 | 0.00038 |
| 74472-36-9 | PCB-112 | ND | | 0.0096 | 0.00040 |
| 68194-10-5 | PCB-113 | 1.4 | C90 B | 0.029 | 0.00048 |
| 74472-37-0 | PCB-114 | 0.021 | | 0.0096 | 0.00072 |
| 74472-38-1 | PCB-115 | 1.5 | C110 B | 0.019 | 0.00040 |
| 18259-05-7 | PCB-116 | 0.21 | C85 | 0.029 | 0.00045 |
| 68194-11-6 | PCB-117 | 0.21 | C85 | 0.029 | 0.00045 |
| 31508-00-6 | PCB-118 | 0.91 | B | 0.0096 | 0.00078 |
| 56558-17-9 | PCB-119 | 0.90 | C86 B | 0.058 | 0.00046 |
| 68194-12-7 | PCB-120 | 0.0084 | J q | 0.0096 | 0.00037 |
| 56558-18-0 | PCB-121 | ND | | 0.0096 | 0.00039 |
| 76842-07-4 | PCB-122 | 0.017 | B | 0.0096 | 0.00091 |
| 65510-44-3 | PCB-123 | 0.016 | | 0.0096 | 0.00076 |
| 70424-70-3 | PCB-124 | 0.047 | C108 | 0.019 | 0.00085 |
| 74472-39-2 | PCB-125 | 0.90 | C86 B | 0.058 | 0.00046 |
| 57465-28-8 | PCB-126 | 0.0068 | J q | 0.0096 | 0.00099 |
| 39635-33-1 | PCB-127 | ND | | 0.0096 | 0.00083 |
| 38380-07-3 | PCB-128 | 0.17 | C B | 0.019 | 0.00069 |
| 55215-18-4 | PCB-129 | 0.90 | C B | 0.038 | 0.00071 |
| 52663-66-8 | PCB-130 | 0.072 | B | 0.0096 | 0.00094 |
| 61798-70-7 | PCB-131 | 0.022 | | 0.0096 | 0.00090 |
| 38380-05-1 | PCB-132 | 0.41 | B | 0.0096 | 0.00088 |
| 35694-04-3 | PCB-133 | 0.024 | | 0.0096 | 0.00085 |
| 52704-70-8 | PCB-134 | 0.069 | C | 0.019 | 0.00091 |
| 52744-13-5 | PCB-135 | 0.33 | C B | 0.019 | 0.00054 |
| 38411-22-2 | PCB-136 | 0.16 | B | 0.0096 | 0.00040 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 0.046 | | 0.0096 | 0.00073 |
| 35065-28-2 | PCB-138 | 0.90 | C129 B | 0.038 | 0.00071 |
| 56030-56-9 | PCB-139 | 0.028 | C | 0.019 | 0.00077 |
| 59291-64-4 | PCB-140 | 0.028 | C139 | 0.019 | 0.00077 |
| 52712-04-6 | PCB-141 | 0.13 | B | 0.0096 | 0.00081 |
| 41411-61-4 | PCB-142 | ND | | 0.0096 | 0.00090 |
| 68194-15-0 | PCB-143 | 0.069 | C134 | 0.019 | 0.00091 |
| 68194-14-9 | PCB-144 | 0.049 | | 0.0096 | 0.00051 |
| 74472-40-5 | PCB-145 | 0.0018 | J | 0.0096 | 0.00039 |
| 51908-16-8 | PCB-146 | 0.16 | B | 0.0096 | 0.00077 |
| 68194-13-8 | PCB-147 | 0.79 | C B | 0.019 | 0.00079 |
| 74472-41-6 | PCB-148 | 0.0037 | J q | 0.0096 | 0.00052 |
| 38380-04-0 | PCB-149 | 0.79 | C147 B | 0.019 | 0.00079 |
| 68194-08-1 | PCB-150 | 0.0050 | J | 0.0096 | 0.00038 |
| 52663-63-5 | PCB-151 | 0.33 | C135 B | 0.019 | 0.00054 |
| 68194-09-2 | PCB-152 | 0.0012 | J q | 0.0096 | 0.00037 |
| 35065-27-1 | PCB-153 | 0.62 | C B | 0.019 | 0.00063 |
| 60145-22-4 | PCB-154 | 0.029 | | 0.0096 | 0.00046 |
| 33979-03-2 | PCB-155 | ND | | 0.0096 | 0.00036 |
| 38380-08-4 | PCB-156 | 0.12 | C B | 0.019 | 0.00075 |
| 69782-90-7 | PCB-157 | 0.12 | C156 B | 0.019 | 0.00075 |
| 74472-42-7 | PCB-158 | 0.10 | B | 0.0096 | 0.00056 |
| 39635-35-3 | PCB-159 | ND | | 0.0096 | 0.00059 |
| 41411-62-5 | PCB-160 | 0.90 | C129 B | 0.038 | 0.00071 |
| 74472-43-8 | PCB-161 | ND | | 0.0096 | 0.00058 |
| 39635-34-2 | PCB-162 | 0.0042 | J B | 0.0096 | 0.00057 |
| 74472-44-9 | PCB-163 | 0.90 | C129 B | 0.038 | 0.00071 |
| 74472-45-0 | PCB-164 | 0.059 | B | 0.0096 | 0.00062 |
| 74472-46-1 | PCB-165 | ND | | 0.0096 | 0.00069 |
| 41411-63-6 | PCB-166 | 0.17 | C128 B | 0.019 | 0.00069 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 0.041 | B | 0.0096 | 0.00047 |
| 59291-65-5 | PCB-168 | 0.62 | C153 B | 0.019 | 0.00063 |
| 32774-16-6 | PCB-169 | ND | | 0.0096 | 0.00054 |
| 35065-30-6 | PCB-170 | 0.13 | B | 0.0096 | 0.00052 |
| 52663-71-5 | PCB-171 | 0.057 | C B | 0.019 | 0.00052 |
| 52663-74-8 | PCB-172 | 0.022 | B | 0.0096 | 0.00051 |
| 68194-16-1 | PCB-173 | 0.057 | C171 B | 0.019 | 0.00052 |
| 38411-25-5 | PCB-174 | 0.12 | B | 0.0096 | 0.00053 |
| 40186-70-7 | PCB-175 | 0.0059 | J q | 0.0096 | 0.00047 |
| 52663-65-7 | PCB-176 | 0.016 | B | 0.0096 | 0.00033 |
| 52663-70-4 | PCB-177 | 0.092 | B | 0.0096 | 0.00053 |
| 52663-67-9 | PCB-178 | 0.030 | B | 0.0096 | 0.00049 |
| 52663-64-6 | PCB-179 | 0.057 | B | 0.0096 | 0.00036 |
| 35065-29-3 | PCB-180 | 0.22 | C B | 0.019 | 0.00041 |
| 74472-47-2 | PCB-181 | ND | | 0.0096 | 0.00045 |
| 60145-23-5 | PCB-182 | 0.0018 | J q | 0.0096 | 0.00044 |
| 52663-69-1 | PCB-183 | 0.081 | C B | 0.019 | 0.00044 |
| 74472-48-3 | PCB-184 | ND | | 0.0096 | 0.00035 |
| 52712-05-7 | PCB-185 | 0.081 | C183 B | 0.019 | 0.00044 |
| 74472-49-4 | PCB-186 | ND | | 0.0096 | 0.00035 |
| 52663-68-0 | PCB-187 | 0.15 | B | 0.0096 | 0.00045 |
| 74487-85-7 | PCB-188 | ND | | 0.0096 | 0.00033 |
| 39635-31-9 | PCB-189 | 0.0060 | J B | 0.0096 | 0.00037 |
| 41411-64-7 | PCB-190 | 0.019 | B | 0.0096 | 0.00037 |
| 74472-50-7 | PCB-191 | 0.0062 | J q | 0.0096 | 0.00036 |
| 74472-51-8 | PCB-192 | ND | | 0.0096 | 0.00039 |
| 69782-91-8 | PCB-193 | 0.22 | C180 B | 0.019 | 0.00041 |
| 35694-08-7 | PCB-194 | 0.036 | B | 0.0096 | 0.0011 |
| 52663-78-2 | PCB-195 | 0.016 | B | 0.0096 | 0.0013 |
| 42740-50-1 | PCB-196 | 0.022 | B | 0.0096 | 0.00073 |
| 33091-17-7 | PCB-197 | 0.0018 | J q B | 0.0096 | 0.00053 |
| 68194-17-2 | PCB-198 | 0.046 | C B | 0.019 | 0.00078 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 0.046 | C198 B | 0.019 | 0.00078 |
| 52663-73-7 | PCB-200 | 0.0057 | J | 0.0096 | 0.00057 |
| 40186-71-8 | PCB-201 | 0.0071 | J B | 0.0096 | 0.00054 |
| 2136-99-4 | PCB-202 | 0.011 | q B | 0.0096 | 0.00061 |
| 52663-76-0 | PCB-203 | 0.026 | | 0.0096 | 0.00069 |
| 74472-52-9 | PCB-204 | ND | | 0.0096 | 0.00058 |
| 74472-53-0 | PCB-205 | ND | | 0.0096 | 0.00080 |
| 40186-72-9 | PCB-206 | 0.021 | q | 0.0096 | 0.0012 |
| 52663-79-3 | PCB-207 | 0.0031 | J | 0.0096 | 0.00086 |
| 52663-77-1 | PCB-208 | 0.0052 | J q | 0.0096 | 0.00089 |
| 2051-24-3 | PCB-209 | 0.016 | | 0.0096 | 0.00033 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.0086 | J | 0.0096 | 0.00014 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.10 | q B | 0.019 | 0.00043 |
| 25323-68-6 | Total Trichlorobiphenyls | 0.40 | q B | 0.019 | 0.00065 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 2.8 | q B | 0.038 | 0.00056 |
| 25429-29-2 | Total Pentachlorobiphenyls | 8.5 | q B | 0.058 | 0.00061 |
| 26601-64-9 | Total Hexachlorobiphenyls | 4.3 | q B | 0.038 | 0.00064 |
| 28655-71-2 | Total Heptachlorobiphenyls | 1.0 | q B | 0.019 | 0.00043 |
| 55722-26-4 | Total Octachlorobiphenyls | 0.17 | q B | 0.019 | 0.00074 |
| 53742-07-7 | Total Nonachlorobiphenyls | 0.029 | q | 0.0096 | 0.00099 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 17 | q B | 0.058 | 0.00060 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719 RE  Lab Sample ID: 580-88908-33 RE

Matrix: Solid  Lab File ID: 580-88908-a-33-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.47(g)  Date Analyzed: 10/10/2019 08:13

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 66 | | 30-140 |
| 208263-77-8 | PCB-3L | 64 | | 30-140 |
| 234432-86-1 | PCB-4L | 64 | | 30-140 |
| 208263-67-6 | PCB-15L | 71 | | 30-140 |
| 234432-87-2 | PCB-19L | 64 | | 30-140 |
| 208263-79-0 | PCB-37L | 70 | | 30-140 |
| 234432-88-3 | PCB-54L | 60 | | 30-140 |
| 105600-23-5 | PCB-77L | 78 | | 30-140 |
| 208461-24-9 | PCB-81L | 82 | | 30-140 |
| 234432-89-4 | PCB-104L | 79 | | 30-140 |
| 208263-62-1 | PCB-105L | 114 | | 30-140 |
| 208263-63-2 | PCB-114L | 112 | | 30-140 |
| 104130-40-7 | PCB-118L | 115 | | 30-140 |
| 208263-64-3 | PCB-123L | 112 | | 30-140 |
| 208263-65-4 | PCB-126L | 100 | | 30-140 |
| 234432-90-7 | PCB-155L | 94 | | 30-140 |
| 208263-68-7 | PCB-156L | 91 | C | 30-140 |
| 235416-30-5 | PCB-157L | 91 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 96 | | 30-140 |
| 208263-70-1 | PCB-169L | 103 | | 30-140 |
| 160901-80-4 | PCB-170L | 81 | | 30-140 |
| 234432-91-8 | PCB-188L | 82 | | 30-140 |
| 208263-73-4 | PCB-189L | 75 | | 30-140 |
| 105600-26-8 | PCB-202L | 93 | | 30-140 |
| 234446-64-1 | PCB-205L | 83 | | 30-140 |
| 208263-75-6 | PCB-206L | 90 | | 30-140 |
| 234432-92-9 | PCB-208L | 101 | | 30-140 |
| 105600-27-9 | PCB-209L | 103 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 71 | | 40-125 |
| 235416-29-2 | PCB-111L | 89 | | 40-125 |
| 232919-67-4 | PCB-178L | 89 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d
Lims ID: 580-88908-A-33-F
Client ID: J5-SC1b-90to100-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 08:13:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-011
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 21:00:55 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0304

First Level Reviewer: davidsonm Date: 10-Oct-2019 09:54:56

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 0.8926 | 0.8926 | 0.0144 | 0.0144 | | |
| D PCB-1L | 11:43 | 2983418 | 3.03 | 1.3140 | 66.2 | 66.2 | 0.4496 | 0.4496 | 66.22 | |
| D PCB-3L | 13:53 | 2976185 | 3.32 | 1.3615 | 63.8 | 63.8 | 0.4339 | 0.4339 | 63.76 | |
| PCB-1 | 11:44 | 18746 | 3.18 | 1.1883 | 0.5288 | 0.5288 | 0.0133 | 0.0133 | | |
| PCB-2 | 13:44 | 5159 | 2.77 | 1.1911 | 0.1454 | 0.1454 | 0.0144 | 0.0144 | | |
| PCB-3 | 13:55 | 7887 | 2.72 | 1.2130 | 0.2185 | 0.2185 | 0.0154 | 0.0154 | | |
| S Total Dichlorobiphenyls | | | | | 10.7 | 10.5 | 0.0449 | 0.0449 | | RQ |
| D PCB-4L | 14:09 | 1317614 | 1.54 | 0.5996 | 64.1 | 64.1 | 0.2558 | 0.2558 | 64.10 | |
| * PCB-9L | 16:07 | 3428618 | 1.59 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:02 | 2502065 | 1.60 | 1.0280 | 71.0 | 71.0 | 0.1492 | 0.1492 | 70.99 | |
| PCB-4 | 14:10 | 37827 | 1.75 | 1.2533 | 2.291 | 2.291 | 0.0663 | 0.0663 | | |
| PCB-10 | 14:20 | 4365 | 1.63 | 1.4828 | 0.1541 | 0.1541 | 0.0460 | 0.0460 | | |
| PCB-9 | 16:08 | 11213 | 1.56 | 1.4200 | 0.4424 | 0.4135 | 0.0481 | 0.0481 | | RQ |
| PCB-7 | 16:17 | 6323 | 1.56 | 1.6244 | 0.2366 | 0.2038 | 0.0420 | 0.0420 | | RQ |
| PCB-6 | 16:33 | 31601 | 1.43 | 1.5539 | 1.065 | 1.065 | 0.0439 | 0.0439 | | |
| PCB-5 | 16:52 | 3456 | 1.56 | 1.5606 | 0.1254 | 0.1160 | 0.0438 | 0.0438 | | RQ |
| PCB-8 | 16:59 | 107817 | 1.55 | 1.5884 | 3.554 | 3.554 | 0.0430 | 0.0430 | | M |
| PCB-14 | 18:38 | | | | | | 0.0364 | 0.0364 | | |
| PCB-11 | 19:26 | 31175 | 1.56 | 1.6347 | 1.147 | 0.999 | 0.0418 | 0.0418 | | RQM |
| PCB-12 | 19:43 | 22151 | 1.69 | 1.6410 | 0.7068 | 0.7068 | 0.0416 | 0.0416 | | Ma |
| PCB-13 (C12) | 19:43 | 22151 | 1.69 | 1.6410 | 0.7068 | 0.7068 | 0.0416 | 0.0416 | | Ma |
| PCB-15 | 20:03 | 33952 | 1.60 | 1.4024 | 0.9676 | 0.9676 | 0.0413 | 0.0413 | | M |
| S Total Trichlorobiphenyl | | | | | 41.2 | 41.2 | 0.0672 | 0.0672 | | RQ |
| D PCB-19L | 17:15 | 929977 | 1.09 | 0.6095 | 64.1 | 64.1 | 0.5894 | 0.5894 | 64.14 | |
| * PCB-32L | 20:31 | 2378908 | 1.06 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:46 | 5253261 | 1.07 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:04 | 4120172 | 1.08 | 1.0975 | 71.5 | 71.5 | 0.1776 | 0.1776 | 71.46 | |
| D PCB-37L | 27:04 | 3335027 | 1.10 | 0.9024 | 70.3 | 70.3 | 0.2159 | 0.2159 | 70.35 | |
| PCB-19 | 17:16 | 8106 | 1.05 | 1.3047 | 0.6681 | 0.6681 | 0.0640 | 0.0640 | | |
| PCB-18 | 19:08 | 83892 | 1.08 | 1.8188 | 4.960 | 4.960 | 0.0459 | 0.0459 | | |
| PCB-30 (C18) | 19:08 | 83892 | 1.08 | 1.8188 | 4.960 | 4.960 | 0.0459 | 0.0459 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:33 | 32764 | 0.92 | 1.5641 | 2.252 | 2.252 | 0.0534 | 0.0534 | | |
| PCB-27 | 19:47 | 7070 | 1.04 | 2.1680 | 0.3863 | 0.3507 | 0.0385 | 0.0385 | | RQ |
| PCB-24 | 19:57 | | | | | | 0.0397 | 0.0397 | | |
| PCB-16 | 20:01 | 24537 | 0.95 | 1.2260 | 2.152 | 2.152 | 0.0681 | 0.0681 | | |
| PCB-32 | 20:31 | 29884 | 0.95 | 2.3416 | 1.372 | 1.372 | 0.0357 | 0.0357 | | |
| PCB-34 | 21:50 | | | | | | 0.0826 | 0.0826 | | |
| PCB-23 | 21:59 | | | | | | 0.0792 | 0.0792 | | |
| PCB-26 | 22:15 | 228512 | 1.07 | 1.3193 | 5.194 | 5.194 | 0.0761 | 0.0761 | | |
| PCB-29 (C26) | 22:15 | 228512 | 1.07 | 1.3193 | 5.194 | 5.194 | 0.0761 | 0.0761 | | |
| PCB-25 | 22:29 | 50905 | 0.92 | 1.3523 | 1.129 | 1.129 | 0.0743 | 0.0743 | | |
| PCB-31 | 22:47 | 312416 | 1.05 | 1.3809 | 6.784 | 6.784 | 0.0727 | 0.0727 | | |
| PCB-20 | 23:06 | 243759 | 1.04 | 1.3057 | 5.598 | 5.598 | 0.0769 | 0.0769 | | |
| PCB-28 (C20) | 23:06 | 243759 | 1.04 | 1.3057 | 5.598 | 5.598 | 0.0769 | 0.0769 | | |
| PCB-21 | 23:20 | 138841 | 1.05 | 1.3777 | 3.022 | 3.022 | 0.0729 | 0.0729 | | |
| PCB-33 (C21) | 23:20 | 138841 | 1.05 | 1.3777 | 3.022 | 3.022 | 0.0729 | 0.0729 | | |
| PCB-22 | 23:44 | 79694 | 1.07 | 1.2430 | 1.922 | 1.922 | 0.0808 | 0.0808 | | |
| PCB-36 | 25:17 | 7205 | 1.04 | 1.3468 | 0.1967 | 0.1604 | 0.0746 | 0.0746 | | RQ |
| PCB-39 | 25:38 | 7647 | 0.93 | 1.3970 | 0.1641 | 0.1641 | 0.0719 | 0.0719 | | |
| PCB-38 | 26:15 | | | | | | 0.0762 | 0.0762 | | |
| PCB-35 | 26:41 | 133414 | 1.12 | 1.2166 | 3.288 | 3.288 | 0.0826 | 0.0826 | | |
| PCB-37 | 27:05 | 91989 | 1.08 | 1.2879 | 2.142 | 2.142 | 0.0780 | 0.0780 | | |
| S Total Tetrachlorobiphen | | | | | 292.0 | 291.9 | 0.0583 | 0.0583 | | RQ |
| D PCB-54L | 20:20 | 924120 | 0.76 | 0.6515 | 59.6 | 59.6 | 0.0776 | 0.0776 | 59.63 | |
| * PCB-52L | 24:54 | 2982000 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:49 | 3020767 | 0.81 | 1.2328 | 82.2 | 82.2 | 0.1905 | 0.1905 | 82.17 | |
| D PCB-77L | 34:24 | 2930433 | 0.81 | 1.2523 | 78.5 | 78.5 | 0.1875 | 0.1875 | 78.47 | |
| PCB-54 | 20:21 | 980 | 0.77 | 1.2558 | 0.1115 | 0.0844 | 0.0111 | 0.0111 | | RQ |
| PCB-50 | 22:31 | 86759 | 0.79 | 0.9362 | 3.115 | 3.115 | 0.0747 | 0.0747 | | |
| PCB-53 (C50) | 22:31 | 86759 | 0.79 | 0.9362 | 3.115 | 3.115 | 0.0747 | 0.0747 | | |
| PCB-45 | 23:11 | 58392 | 0.88 | 0.8850 | 2.217 | 2.217 | 0.0790 | 0.0790 | | M |
| PCB-51 (C45) | 23:11 | 58392 | 0.88 | 0.8850 | 2.217 | 2.217 | 0.0790 | 0.0790 | | M |
| PCB-46 | 23:30 | 16946 | 0.86 | 0.7591 | 0.7502 | 0.7502 | 0.0921 | 0.0921 | | |
| PCB-52 | 24:56 | 2455413 | 0.78 | 0.8992 | 91.8 | 91.8 | 0.0777 | 0.0777 | | |
| PCB-43 | 25:10 | 15879 | 0.77 | 0.9993 | 0.5340 | 0.5340 | 0.0699 | 0.0699 | | a |
| PCB-73 (C43) | 25:10 | 15879 | 0.77 | 0.9993 | 0.5340 | 0.5340 | 0.0699 | 0.0699 | | a |
| PCB-49 | 25:25 | 739309 | 0.80 | 1.1366 | 21.9 | 21.9 | 0.0615 | 0.0615 | | |
| PCB-69 (C49) | 25:25 | 739309 | 0.80 | 1.1366 | 21.9 | 21.9 | 0.0615 | 0.0615 | | |
| PCB-48 | 25:42 | 68793 | 0.78 | 0.9454 | 2.445 | 2.445 | 0.0739 | 0.0739 | | |
| PCB-44 | 25:54 | 1129550 | 0.79 | 1.0323 | 36.8 | 36.8 | 0.0677 | 0.0677 | | |
| PCB-47 (C44) | 25:54 | 1129550 | 0.79 | 1.0323 | 36.8 | 36.8 | 0.0677 | 0.0677 | | |
| PCB-65 (C44) | 25:54 | 1129550 | 0.79 | 1.0323 | 36.8 | 36.8 | 0.0677 | 0.0677 | | |
| PCB-59 | 26:15 | 53792 | 0.81 | 1.3609 | 1.328 | 1.328 | 0.0514 | 0.0514 | | |
| PCB-62 (C59) | 26:15 | 53792 | 0.81 | 1.3609 | 1.328 | 1.328 | 0.0514 | 0.0514 | | |
| PCB-75 (C59) | 26:15 | 53792 | 0.81 | 1.3609 | 1.328 | 1.328 | 0.0514 | 0.0514 | | |
| PCB-42 | 26:27 | 113917 | 0.78 | 0.8670 | 4.415 | 4.415 | 0.0806 | 0.0806 | | |
| PCB-40 | 26:56 | 226508 | 0.81 | 0.9179 | 8.293 | 8.293 | 0.0761 | 0.0761 | | M |
| PCB-41 (C40) | 26:56 | 226508 | 0.81 | 0.9179 | 8.293 | 8.293 | 0.0761 | 0.0761 | | M |
| PCB-71 (C40) | 26:56 | 226508 | 0.81 | 0.9179 | 8.293 | 8.293 | 0.0761 | 0.0761 | | M |
| PCB-64 | 27:09 | 417506 | 0.76 | 1.4164 | 9.906 | 9.906 | 0.0493 | 0.0493 | | |
| PCB-72 | 28:00 | 42911 | 0.73 | 1.3157 | 1.096 | 1.096 | 0.0531 | 0.0531 | | |
| PCB-68 | 28:17 | 23780 | 0.76 | 1.4782 | 0.5406 | 0.5406 | 0.0473 | 0.0473 | | |
| PCB-57 | 28:44 | | | | | | 0.0545 | 0.0545 | | |
| PCB-58 | 28:55 | 7683 | 0.77 | 1.3214 | 0.2253 | 0.1954 | 0.0529 | 0.0529 | | RQMa |
| PCB-67 | 29:07 | 69133 | 0.72 | 1.3944 | 1.666 | 1.666 | 0.0501 | 0.0501 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:23 | 37346 | 0.73 | 1.4685 | 0.8547 | 0.8547 | 0.0476 | 0.0476 | | M |
| PCB-61 | 29:42 | 2695940 | 0.79 | 1.3565 | 66.8 | 66.8 | 0.0515 | 0.0515 | | M |
| PCB-70 (C61) | 29:42 | 2695940 | 0.79 | 1.3565 | 66.8 | 66.8 | 0.0515 | 0.0515 | | M |
| PCB-74 (C61) | 29:42 | 2695940 | 0.79 | 1.3565 | 66.8 | 66.8 | 0.0515 | 0.0515 | | M |
| PCB-76 (C61) | 29:42 | 2695940 | 0.79 | 1.3565 | 66.8 | 66.8 | 0.0515 | 0.0515 | | M |
| PCB-66 | 30:02 | 699953 | 0.82 | 1.2800 | 18.4 | 18.4 | 0.0546 | 0.0546 | | Ma |
| PCB-55 | 30:12 | 22585 | 0.77 | 1.2951 | 0.6598 | 0.5860 | 0.0540 | 0.0540 | | RQMa |
| PCB-56 | 30:42 | 350625 | 0.78 | 1.2671 | 9.300 | 9.300 | 0.0552 | 0.0552 | | |
| PCB-60 | 30:55 | 116828 | 0.82 | 1.3288 | 2.955 | 2.955 | 0.0526 | 0.0526 | | |
| PCB-80 | 31:22 | | | | | | 0.0476 | 0.0476 | | |
| PCB-79 | 32:52 | 66635 | 0.88 | 1.5421 | 1.452 | 1.452 | 0.0453 | 0.0453 | | |
| PCB-78 | 33:27 | | | | | | 0.0531 | 0.0531 | | |
| PCB-81 | 33:49 | 5541 | 0.77 | 1.3214 | 0.1512 | 0.1388 | 0.0513 | 0.0513 | | RQMa |
| PCB-77 | 34:25 | 173394 | 0.76 | 1.3308 | 4.446 | 4.446 | 0.0541 | 0.0541 | | M |
| S Total Pentachlorobiphen | | | | | 880.8 | 880.5 | 0.0630 | 0.0630 | | RQ |
| D PCB-104L | 25:51 | 2099537 | 1.58 | 1.1164 | 78.6 | 78.6 | 0.0805 | 0.0805 | 78.64 | |
| * PCB-101L | 31:46 | 2391522 | 1.62 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:27 | 2579183 | 1.58 | 1.2177 | 88.6 | 88.6 | 0.0738 | 0.0738 | 88.57 | |
| D PCB-123L | 36:24 | 3064685 | 1.57 | 0.9909 | 112.4 | 112.4 | 1.011 | 1.011 | 112 | |
| D PCB-118L | 36:44 | 3230930 | 1.59 | 1.0256 | 114.5 | 114.5 | 0.9768 | 0.9768 | 115 | |
| D PCB-114L | 37:16 | 3099736 | 1.58 | 1.0030 | 112.4 | 112.4 | 0.999 | 0.999 | 112 | |
| D PCB-105L | 37:54 | 3142568 | 1.59 | 1.0013 | 114.1 | 114.1 | 1.001 | 1.001 | 114 | |
| * PCB-127L | 39:23 | 2750448 | 1.63 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:00 | 2487999 | 1.61 | 0.9020 | 100.3 | 100.3 | 1.111 | 1.111 | 100 | |
| PCB-104 | 25:55 | | | | | | 0.0408 | 0.0408 | | |
| PCB-96 | 26:14 | 24624 | 1.62 | 1.2268 | 0.9560 | 0.9560 | 0.0463 | 0.0463 | | |
| PCB-103 | 28:11 | 35259 | 1.45 | 1.0331 | 1.626 | 1.626 | 0.0550 | 0.0550 | | |
| PCB-94 | 28:26 | | | | | | 0.0629 | 0.0629 | | |
| PCB-95 | 28:50 | 2419395 | 1.59 | 0.9620 | 119.8 | 119.8 | 0.0591 | 0.0591 | | |
| PCB-93 | 29:04 | 32367 | 1.55 | 0.9806 | 1.752 | 1.572 | 0.0580 | 0.0580 | | RQ |
| PCB-100 (C93) | 29:04 | 32367 | 1.55 | 0.9806 | 1.752 | 1.572 | 0.0580 | 0.0580 | | RQ |
| PCB-98 | 29:12 | 88363 | 1.57 | 0.9888 | 4.256 | 4.256 | 0.0575 | 0.0575 | | |
| PCB-102 (C98) | 29:12 | 88363 | 1.57 | 0.9888 | 4.256 | 4.256 | 0.0575 | 0.0575 | | |
| PCB-88 | 29:42 | 407834 | 1.54 | 1.0052 | 19.3 | 19.3 | 0.0566 | 0.0566 | | |
| PCB-91 (C88) | 29:42 | 407834 | 1.54 | 1.0052 | 19.3 | 19.3 | 0.0566 | 0.0566 | | |
| PCB-84 | 29:55 | 710583 | 1.57 | 0.8601 | 39.3 | 39.3 | 0.0661 | 0.0661 | | |
| PCB-89 | 30:25 | 29430 | 1.49 | 0.8936 | 1.569 | 1.569 | 0.0636 | 0.0636 | | |
| PCB-121 | 30:52 | | | | | | 0.0407 | 0.0407 | | |
| PCB-92 | 31:12 | 594944 | 1.54 | 0.9532 | 29.7 | 29.7 | 0.0596 | 0.0596 | | |
| PCB-90 | 31:47 | 3481280 | 1.60 | 1.1367 | 145.9 | 145.9 | 0.0500 | 0.0500 | | |
| PCB-101 (C90) | 31:47 | 3481280 | 1.60 | 1.1367 | 145.9 | 145.9 | 0.0500 | 0.0500 | | |
| PCB-113 (C90) | 31:47 | 3481280 | 1.60 | 1.1367 | 145.9 | 145.9 | 0.0500 | 0.0500 | | |
| PCB-83 | 32:22 | 1488241 | 1.59 | 0.9393 | 75.5 | 75.5 | 0.0605 | 0.0605 | | M |
| PCB-99 (C83) | 32:22 | 1488241 | 1.59 | 0.9393 | 75.5 | 75.5 | 0.0605 | 0.0605 | | M |
| PCB-112 | 32:31 | | | | | | 0.0416 | 0.0416 | | |
| PCB-86 | 32:58 | 2337674 | 1.59 | 1.1958 | 93.1 | 93.1 | 0.0475 | 0.0475 | | M |
| PCB-87 (C86) | 32:58 | 2337674 | 1.59 | 1.1958 | 93.1 | 93.1 | 0.0475 | 0.0475 | | M |
| PCB-97 (C86) | 32:58 | 2337674 | 1.59 | 1.1958 | 93.1 | 93.1 | 0.0475 | 0.0475 | | M |
| PCB-109 (C86) | 32:58 | 2337674 | 1.59 | 1.1958 | 93.1 | 93.1 | 0.0475 | 0.0475 | | M |
| PCB-119 (C86) | 32:58 | 2337674 | 1.59 | 1.1958 | 93.1 | 93.1 | 0.0475 | 0.0475 | | M |
| PCB-125 (C86) | 32:58 | 2337674 | 1.59 | 1.1958 | 93.1 | 93.1 | 0.0475 | 0.0475 | | M |
| PCB-85 | 33:36 | 558686 | 1.60 | 1.2126 | 21.9 | 21.9 | 0.0469 | 0.0469 | | |
| PCB-116 (C85) | 33:36 | 558686 | 1.60 | 1.2126 | 21.9 | 21.9 | 0.0469 | 0.0469 | | |
| PCB-117 (C85) | 33:36 | 558686 | 1.60 | 1.2126 | 21.9 | 21.9 | 0.0469 | 0.0469 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:45 | 4410045 | 1.59 | 1.3511 | 155.5 | 155.5 | 0.0421 | 0.0421 | | |
| PCB-115 (C110) | 33:45 | 4410045 | 1.59 | 1.3511 | 155.5 | 155.5 | 0.0421 | 0.0421 | | |
| PCB-82 | 34:05 | 309987 | 1.56 | 0.8675 | 17.0 | 17.0 | 0.0655 | 0.0655 | | |
| PCB-111 | 34:30 | | | | | | 0.0399 | 0.0399 | | |
| PCB-120 | 34:56 | 27204 | 1.55 | 1.4907 | 0.9344 | 0.8692 | 0.0381 | 0.0381 | | RQ |
| PCB-108 | 36:04 | 184392 | 1.74 | 1.2547 | 4.890 | 4.890 | 0.0880 | 0.0880 | | |
| PCB-124 (C108) | 36:04 | 184392 | 1.74 | 1.2547 | 4.890 | 4.890 | 0.0880 | 0.0880 | | |
| PCB-107 | 36:18 | 342558 | 1.56 | 1.3580 | 8.394 | 8.394 | 0.0813 | 0.0813 | | |
| PCB-123 | 36:25 | 69219 | 1.66 | 1.3407 | 1.685 | 1.685 | 0.0791 | 0.0791 | | |
| PCB-106 | 36:34 | | | | | | 0.0866 | 0.0866 | | |
| PCB-118 | 36:45 | 3952094 | 1.58 | 1.2892 | 94.9 | 94.9 | 0.0806 | 0.0806 | | |
| PCB-122 | 37:05 | 60680 | 1.56 | 1.1614 | 1.739 | 1.739 | 0.0950 | 0.0950 | | |
| PCB-114 | 37:17 | 93046 | 1.53 | 1.4051 | 2.136 | 2.136 | 0.0754 | 0.0754 | | M |
| PCB-105 | 37:56 | 1543946 | 1.58 | 1.2887 | 38.1 | 38.1 | 0.0811 | 0.0811 | | |
| PCB-127 | 39:26 | | | | | | 0.0859 | 0.0859 | | |
| PCB-126 | 41:01 | 23429 | 1.55 | 1.3416 | 0.7668 | 0.7019 | 0.1030 | 0.1030 | | RQM |
| S Total Hexachlorobipheny | | | | | 451.4 | 451.3 | 0.0668 | 0.0668 | | RQ |
| D PCB-155L | 31:32 | 2141090 | 1.25 | 0.9499 | 94.3 | 94.3 | 0.2273 | 0.2273 | 94.25 | |
| * PCB-138L | 39:51 | 2409827 | 1.24 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:52 | 2900480 | 1.27 | 1.2544 | 95.9 | 95.9 | 0.2921 | 0.2921 | 95.95 | |
| D PCB-156L | 44:01 | 5399969 | 1.27 | 1.2289 | 182.3 | 182.3 | 0.2981 | 0.2981 | 91.17 | |
| D PCB-157L (C156L) | 44:01 | 5399969 | 1.27 | 1.2289 | 182.3 | 182.3 | 0.2981 | 0.2981 | 91.17 | |
| D PCB-169L | 47:15 | 2691362 | 1.23 | 1.0883 | 102.6 | 102.6 | 0.3367 | 0.3367 | 103 | |
| PCB-155 | 31:36 | | | | | | 0.0372 | 0.0372 | | |
| PCB-152 | 31:45 | 3382 | 1.24 | 1.2556 | 0.1653 | 0.1258 | 0.0386 | 0.0386 | | RQ |
| PCB-150 | 31:54 | 13663 | 1.07 | 1.2368 | 0.5159 | 0.5159 | 0.0391 | 0.0391 | | |
| PCB-136 | 32:16 | 401093 | 1.22 | 1.1563 | 16.2 | 16.2 | 0.0419 | 0.0419 | | |
| PCB-145 | 32:34 | 4647 | 1.18 | 1.1910 | 0.1822 | 0.1822 | 0.0406 | 0.0406 | | |
| PCB-148 | 34:06 | 7409 | 1.24 | 0.8982 | 0.4834 | 0.3853 | 0.0539 | 0.0539 | | RQ |
| PCB-135 | 34:41 | 631543 | 1.24 | 0.8691 | 33.9 | 33.9 | 0.0557 | 0.0557 | | |
| PCB-151 (C135) | 34:41 | 631543 | 1.24 | 0.8691 | 33.9 | 33.9 | 0.0557 | 0.0557 | | |
| PCB-154 | 34:57 | 65455 | 1.12 | 1.0180 | 3.003 | 3.003 | 0.0476 | 0.0476 | | |
| PCB-144 | 35:15 | 99884 | 1.24 | 0.9185 | 5.079 | 5.079 | 0.0527 | 0.0527 | | |
| PCB-147 | 35:37 | 2205305 | 1.28 | 0.9747 | 82.3 | 82.3 | 0.0826 | 0.0826 | | |
| PCB-149 (C147) | 35:37 | 2205305 | 1.28 | 0.9747 | 82.3 | 82.3 | 0.0826 | 0.0826 | | |
| PCB-134 | 35:49 | 168287 | 1.28 | 0.8518 | 7.189 | 7.189 | 0.0945 | 0.0945 | | a |
| PCB-143 (C134) | 35:49 | 168287 | 1.28 | 0.8518 | 7.189 | 7.189 | 0.0945 | 0.0945 | | a |
| PCB-139 | 36:12 | 79316 | 1.22 | 0.9995 | 2.888 | 2.888 | 0.0805 | 0.0805 | | |
| PCB-140 (C139) | 36:12 | 79316 | 1.22 | 0.9995 | 2.888 | 2.888 | 0.0805 | 0.0805 | | |
| PCB-131 | 36:25 | 54463 | 1.25 | 0.8584 | 2.309 | 2.309 | 0.0938 | 0.0938 | | |
| PCB-142 | 36:36 | | | | | | 0.0936 | 0.0936 | | |
| PCB-132 | 36:52 | 1032054 | 1.24 | 0.8801 | 42.7 | 42.7 | 0.0914 | 0.0914 | | |
| PCB-133 | 37:23 | 62790 | 1.22 | 0.9064 | 2.521 | 2.521 | 0.0888 | 0.0888 | | |
| PCB-165 | 37:49 | | | | | | 0.0718 | 0.0718 | | |
| PCB-146 | 38:01 | 465109 | 1.25 | 1.0084 | 16.8 | 16.8 | 0.0798 | 0.0798 | | |
| PCB-161 | 38:12 | | | | | | 0.0602 | 0.0602 | | |
| PCB-153 | 38:38 | 2147847 | 1.24 | 1.2207 | 64.0 | 64.0 | 0.0659 | 0.0659 | | |
| PCB-168 (C153) | 38:38 | 2147847 | 1.24 | 1.2207 | 64.0 | 64.0 | 0.0659 | 0.0659 | | |
| PCB-141 | 38:50 | 357947 | 1.25 | 0.9608 | 13.6 | 13.6 | 0.0838 | 0.0838 | | |
| PCB-130 | 39:14 | 170585 | 1.23 | 0.8274 | 7.502 | 7.502 | 0.0973 | 0.0973 | | |
| PCB-137 | 39:28 | 137756 | 1.29 | 1.0582 | 4.737 | 4.737 | 0.0760 | 0.0760 | | |
| PCB-164 | 39:35 | 211727 | 1.13 | 1.2527 | 6.151 | 6.151 | 0.0642 | 0.0642 | | |
| PCB-129 | 39:53 | 2780560 | 1.25 | 1.0840 | 93.3 | 93.3 | 0.0742 | 0.0742 | | |
| PCB-138 (C129) | 39:53 | 2780560 | 1.25 | 1.0840 | 93.3 | 93.3 | 0.0742 | 0.0742 | | |
| PCB-160 (C129) | 39:53 | 2780560 | 1.25 | 1.0840 | 93.3 | 93.3 | 0.0742 | 0.0742 | | |
| PCB-163 (C129) | 39:53 | 2780560 | 1.25 | 1.0840 | 93.3 | 93.3 | 0.0742 | 0.0742 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:17 | 412914 | 1.33 | 1.3862 | 10.8 | 10.8 | 0.0581 | 0.0581 | | |
| PCB-128 | 41:09 | 530922 | 1.28 | 1.1165 | 17.3 | 17.3 | 0.0721 | 0.0721 | | |
| PCB-166 (C128) | 41:09 | 530922 | 1.28 | 1.1165 | 17.3 | 17.3 | 0.0721 | 0.0721 | | |
| PCB-159 | 42:09 | | | | | | 0.0611 | 0.0611 | | |
| PCB-162 | 42:25 | 16421 | 1.23 | 1.3623 | 0.4387 | 0.4387 | 0.0591 | 0.0591 | | |
| PCB-167 | 42:53 | 167022 | 1.26 | 1.3357 | 4.311 | 4.311 | 0.0484 | 0.0484 | | |
| PCB-156 | 44:01 | 445983 | 1.25 | 1.2759 | 12.9 | 12.9 | 0.0775 | 0.0775 | | |
| PCB-157 (C156) | 44:01 | 445983 | 1.25 | 1.2759 | 12.9 | 12.9 | 0.0775 | 0.0775 | | |
| PCB-169 | 47:19 | | | | | | 0.0558 | 0.0558 | | |
| S Total Heptachlorobiphen | | | | | 106.6 | 106.4 | 0.0445 | 0.0445 | | RQ |
| D PCB-188L | 37:16 | 2652273 | 1.10 | 1.3162 | 81.9 | 81.9 | 0.1739 | 0.1739 | 81.93 | |
| $ PCB-178L | 40:19 | 2024993 | 1.05 | 0.9222 | 89.3 | 89.3 | 0.2482 | 0.2482 | 89.28 | |
| * PCB-180L | 45:25 | 2459473 | 1.01 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:40 | 1657866 | 1.06 | 0.8357 | 80.7 | 80.7 | 0.2738 | 0.2738 | 80.66 | |
| D PCB-189L | 49:47 | 2038966 | 1.04 | 1.4666 | 74.7 | 74.7 | 0.8899 | 0.8899 | 74.72 | |
| PCB-188 | 37:20 | | | | | | 0.0338 | 0.0338 | | |
| PCB-179 | 37:38 | 182211 | 1.06 | 1.4149 | 5.976 | 5.976 | 0.0370 | 0.0370 | | |
| PCB-184 | 38:12 | | | | | | 0.0369 | 0.0369 | | |
| PCB-176 | 38:30 | 55253 | 1.06 | 1.5212 | 1.685 | 1.685 | 0.0344 | 0.0344 | | |
| PCB-186 | 39:00 | | | | | | 0.0365 | 0.0365 | | |
| PCB-178 | 40:21 | 68764 | 0.99 | 1.0228 | 3.120 | 3.120 | 0.0512 | 0.0512 | | |
| PCB-175 | 40:59 | 14246 | 1.05 | 1.0690 | 0.6874 | 0.6184 | 0.0489 | 0.0489 | | RQ |
| PCB-187 | 41:15 | 384323 | 1.03 | 1.1106 | 16.1 | 16.1 | 0.0471 | 0.0471 | | |
| PCB-182 | 41:29 | 4597 | 1.05 | 1.1484 | 0.2323 | 0.1858 | 0.0456 | 0.0456 | | RQ |
| PCB-183 | 41:52 | 205088 | 1.01 | 1.1368 | 8.371 | 8.371 | 0.0460 | 0.0460 | | |
| PCB-185 (C183) | 41:52 | 205088 | 1.01 | 1.1368 | 8.371 | 8.371 | 0.0460 | 0.0460 | | |
| PCB-174 | 42:06 | 265422 | 1.07 | 0.9547 | 12.9 | 12.9 | 0.0548 | 0.0548 | | |
| PCB-177 | 42:32 | 193992 | 1.06 | 0.9426 | 9.550 | 9.550 | 0.0555 | 0.0555 | | |
| PCB-181 | 42:58 | | | | | | 0.0472 | 0.0472 | | |
| PCB-171 | 43:10 | 122857 | 1.07 | 0.9603 | 5.936 | 5.936 | 0.0545 | 0.0545 | | |
| PCB-173 (C171) | 43:10 | 122857 | 1.07 | 0.9603 | 5.936 | 5.936 | 0.0545 | 0.0545 | | |
| PCB-172 | 44:48 | 49308 | 1.02 | 0.9918 | 2.307 | 2.307 | 0.0528 | 0.0528 | | |
| PCB-192 | 45:06 | | | | | | 0.0406 | 0.0406 | | |
| PCB-180 | 45:27 | 616841 | 1.06 | 1.2286 | 23.3 | 23.3 | 0.0426 | 0.0426 | | a |
| PCB-193 (C180) | 45:27 | 616841 | 1.06 | 1.2286 | 23.3 | 23.3 | 0.0426 | 0.0426 | | a |
| PCB-191 | 45:48 | 19230 | 1.05 | 1.3848 | 0.7519 | 0.6443 | 0.0378 | 0.0378 | | RQ |
| PCB-170 | 46:42 | 276452 | 1.05 | 1.2700 | 13.1 | 13.1 | 0.0540 | 0.0540 | | |
| PCB-190 | 47:13 | 58529 | 1.12 | 1.3774 | 1.972 | 1.972 | 0.0380 | 0.0380 | | |
| PCB-189 | 49:48 | 16319 | 1.07 | 1.2799 | 0.6253 | 0.6253 | 0.0385 | 0.0385 | | |
| S Total Octachlorobipheny | | | | | 18.1 | 17.9 | 0.0771 | 0.0771 | | RQ |
| D PCB-202L | 42:39 | 2305465 | 0.91 | 1.0055 | 93.2 | 93.2 | 0.2225 | 0.2225 | 93.22 | |
| * PCB-194L | 51:55 | 1860516 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:23 | 1989254 | 0.89 | 1.2867 | 83.1 | 83.1 | 0.5396 | 0.5396 | 83.09 | |
| PCB-202 | 42:40 | 27868 | 0.89 | 1.0531 | 1.241 | 1.148 | 0.0632 | 0.0632 | | RQ |
| PCB-201 | 43:36 | 20119 | 1.02 | 1.1860 | 0.7358 | 0.7358 | 0.0561 | 0.0561 | | |
| PCB-204 | 44:18 | | | | | | 0.0604 | 0.0604 | | |
| PCB-197 | 44:30 | 5323 | 0.89 | 1.2053 | 0.2366 | 0.1916 | 0.0552 | 0.0552 | | RQ |
| PCB-200 | 44:37 | 15438 | 1.02 | 1.1260 | 0.5947 | 0.5947 | 0.0591 | 0.0591 | | |
| PCB-198 | 47:25 | 90834 | 0.87 | 0.8183 | 4.815 | 4.815 | 0.0813 | 0.0813 | | |
| PCB-199 (C198) | 47:25 | 90834 | 0.87 | 0.8183 | 4.815 | 4.815 | 0.0813 | 0.0813 | | |
| PCB-196 | 48:04 | 46955 | 0.92 | 0.8748 | 2.328 | 2.328 | 0.0761 | 0.0761 | | |
| PCB-203 | 48:16 | 56370 | 1.02 | 0.9219 | 2.652 | 2.652 | 0.0722 | 0.0722 | | |
| PCB-195 | 49:35 | 26025 | 0.87 | 0.7839 | 1.669 | 1.669 | 0.1311 | 0.1311 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:55 | 69874 | 0.88 | 0.9282 | 3.784 | 3.784 | 0.1107 | 0.1107 | | |
| PCB-205 | 52:26 | | | | | | 0.0833 | 0.0833 | | |
| S Total Nonachlorobipheny | | | | | 3.999 | 3.090 | 0.1031 | 0.1031 | | RQ |
| D PCB-208L | 49:19 | 2144423 | 0.79 | 1.1383 | 101.3 | 101.3 | 0.6727 | 0.6727 | 101 | |
| D PCB-206L | 54:08 | 1495054 | 0.77 | 0.8938 | 89.9 | 89.9 | 0.8566 | 0.8566 | 89.90 | |
| PCB-208 | 49:20 | 13334 | 0.77 | 1.1567 | 0.5970 | 0.5375 | 0.0925 | 0.0925 | | RQM |
| PCB-207 | 50:16 | 8143 | 0.69 | 1.3964 | 0.3205 | 0.3205 | 0.0898 | 0.0898 | | M |
| PCB-206 | 54:08 | 39805 | 0.77 | 1.1927 | 3.081 | 2.232 | 0.1270 | 0.1270 | | RQa |
| D PCB-209L | 55:47 | 1877898 | 0.68 | 0.9809 | 102.9 | 102.9 | 0.2206 | 0.2206 | 103 | |
| DCB Decachlorobiphenyl | 55:49 | 39480 | 0.73 | 1.2455 | 1.688 | 1.688 | 0.0345 | 0.0345 | | |
| S Polychlorinated bipheny | | | | | 1806.5 | 1.688 | 0.0622 | 0.0622 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d
Lims ID: 580-88908-A-33-F
Client ID: J5-SC1b-90to100-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 08:13:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-011
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 21:00:55 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0304

First Level Reviewer: davidsonm Date: 10-Oct-2019 09:54:56

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:43 | 11:45 | -3 | 0.727 | 2243193 | 877011 | 497 | 1242 | 1765 | | |
| 202.0766 | 11:43 | 11:45 | -3 | 0.727 | 740225 | 289842 | 1979 | 4947 | 146 | 3.03(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:53 | 13:54 | -2 | 0.862 | 2287264 | 756228 | 497 | 1242 | 1522 | | |
| 202.0766 | 13:53 | 13:54 | -2 | 0.862 | 688921 | 231211 | 1979 | 4947 | 117 | 3.32(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:44 | 11:44 | -3 | 1.001 | 14257 | 5583 | 38 | 95 | 147 | | |
| 190.0363 | 11:44 | 11:44 | -3 | 1.001 | 4489 | 1511 | 36 | 90 | 42 | 3.18(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:44 | 13:44 | -2 | 0.989 | 3789 | 1107 | 38 | 95 | 29 | | |
| 190.0363 | 13:44 | 13:44 | -2 | 0.989 | 1370 | 325 | 36 | 90 | 9 | 2.77(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:55 | 13:54 | -2 | 1.002 | 5764 | 1826 | 38 | 95 | 48 | | |
| 190.0363 | 13:55 | 13:54 | -2 | 1.002 | 2123 | 687 | 36 | 90 | 19 | 2.72(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:09 | 14:10 | -2 | 0.878 | 798363 | 263702 | 483 | 1207 | 546 | | |
| 236.0376 | 14:09 | 14:10 | -2 | 0.878 | 519251 | 172147 | 160 | 400 | 1076 | 1.54(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:07 | 16:09 | -2 | | 2106744 | 638948 | 483 | 1207 | 1323 | | |
| 236.0376 | 16:07 | 16:09 | -2 | | 1321874 | 408891 | 160 | 400 | 2556 | 1.59(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:02 | 20:02 | -2 | 1.244 | 1538741 | 379581 | 483 | 1207 | 786 | | |
| 236.0376 | 20:02 | 20:02 | -2 | 1.244 | 963324 | 244890 | 160 | 400 | 1531 | 1.60(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:10 | 14:09 | -2 | 1.001 | 24091 | 8384 | 85 | 212 | 99 | | |
| 223.9974 | 14:10 | 14:09 | -2 | 1.001 | 13736 | 4553 | 60 | 150 | 76 | 1.75(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:20 | 14:19 | -2 | 1.013 | 2706 | 731 | 85 | 212 | 9 | | |
| 223.9974 | 14:20 | 14:19 | -2 | 1.013 | 1659 | 537 | 60 | 150 | 9 | 1.63(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | RQ |
| 222.0003 | 16:08 | 16:07 | -3 | 1.140 | 6833 | 1718 | 85 | 212 | 20 | | |
| 223.9974 | 16:08 | 16:07 | -3 | 1.140 | 5164 | 1139 | 60 | 150 | 19 | 1.32(1.33-1.79) | |
| | Empc Correction | | | | 4380 | 1101 | 60 | 150 | 18 | | |
| PCB-7 | | | | | | | | | | | RQ |
| 222.0003 | 16:17 | 16:16 | -3 | 1.151 | 4871 | 1335 | 85 | 212 | 16 | | |
| | Empc Correction | | | | 3853 | 1028 | 85 | 212 | 12 | | |
| 223.9974 | 16:17 | 16:16 | -3 | 1.151 | 2470 | 659 | 60 | 150 | 11 | 1.97(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:33 | 16:31 | -2 | 1.169 | 18618 | 5355 | 85 | 212 | 63 | | |
| 223.9974 | 16:33 | 16:31 | -2 | 1.169 | 12983 | 3367 | 60 | 150 | 56 | 1.43(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | RQ |
| 222.0003 | 16:52 | 16:49 | -1 | 1.191 | 2106 | 556 | 85 | 212 | 7 | | |
| 223.9974 | 16:50 | 16:49 | -3 | 1.190 | 1633 | 329 | 60 | 150 | 5 | 1.29(1.33-1.79) | |
| | Empc Correction | | | | 1350 | 356 | 60 | 150 | 6 | | |
| PCB-8 | | | | | | | | | | | M |
| 222.0003 | 16:59 | 16:57 | -2 | 1.200 | 65562 | 17896 | 85 | 212 | 211 | | M |
| 223.9974 | 16:58 | 16:57 | -3 | 1.199 | 42255 | 12504 | 60 | 150 | 208 | 1.55(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:36 | | | | | | 85 | 212 | | | |
| 223.9974 | 18:36 | | | | | | 60 | 150 | | | |
| PCB-11 | | | | | | | | | | | RQM |
| 222.0003 | 19:26 | 19:28 | -2 | 0.970 | 23625 | 5928 | 85 | 212 | 70 | | M |
| | Empc Correction | | | | 18997 | 5332 | 85 | 212 | 63 | | |
| 223.9974 | 19:26 | 19:28 | -2 | 0.970 | 12178 | 3418 | 60 | 150 | 57 | 1.94(1.33-1.79) | M |
| PCB-12 | | | | | | | | | | | Ma |
| 222.0003 | 19:43 | 19:47 | -4 | 0.984 | 13925 | 2694 | 85 | 212 | 32 | | M |
| 223.9974 | 19:43 | 19:47 | -4 | 0.984 | 8226 | 1632 | 60 | 150 | 27 | 1.69(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | Ma |
| 222.0003 | 19:43 | 19:47 | -4 | 0.984 | 13925 | 2694 | 85 | 212 | 32 | | M |
| 223.9974 | 19:43 | 19:47 | -4 | 0.984 | 8226 | 1632 | 60 | 150 | 27 | 1.69(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | M |
| 222.0003 | 20:03 | 20:05 | -2 | 1.001 | 20888 | 5083 | 85 | 212 | 60 | | M |
| 223.9974 | 20:03 | 20:05 | -2 | 1.001 | 13064 | 3024 | 60 | 150 | 50 | 1.60(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:15 | 17:17 | -2 | 0.841 | 484567 | 137787 | 510 | 1275 | 270 | | |
| 269.9986 | 17:15 | 17:17 | -2 | 0.841 | 445410 | 134138 | 371 | 927 | 362 | 1.09(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:33 | -2 | | 1223260 | 319847 | 510 | 1275 | 627 | | |
| 269.9986 | 20:31 | 20:33 | -2 | | 1155648 | 293090 | 371 | 927 | 790 | 1.06(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:46 | 22:49 | -3 | | 2719706 | 642304 | 642 | 1605 | 1000 | | |
| 269.9986 | 22:47 | 22:49 | -2 | | 2533555 | 608242 | 333 | 832 | 1827 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:06 | -2 | 1.013 | 2136153 | 506840 | 642 | 1605 | 789 | | |
| 269.9986 | 23:04 | 23:06 | -2 | 1.013 | 1984019 | 477355 | 333 | 832 | 1433 | 1.08(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:06 | -3 | 1.189 | 1745438 | 373179 | 642 | 1605 | 581 | | |
| 269.9986 | 27:04 | 27:06 | -3 | 1.189 | 1589589 | 340657 | 333 | 832 | 1023 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:16 | 17:17 | -3 | 1.001 | 4148 | 1275 | 47 | 117 | 27 | | |
| 257.9584 | 17:17 | 17:17 | -2 | 1.002 | 3958 | 1241 | 44 | 110 | 28 | 1.05(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:08 | -1 | 1.109 | 43554 | 12166 | 47 | 117 | 259 | | |
| 257.9584 | 19:08 | 19:08 | -1 | 1.109 | 40338 | 11462 | 44 | 110 | 261 | 1.08(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:08 | -1 | 1.109 | 43554 | 12166 | 47 | 117 | 259 | | |
| 257.9584 | 19:08 | 19:08 | -1 | 1.109 | 40338 | 11462 | 44 | 110 | 261 | 1.08(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:33 | 19:34 | -2 | 1.133 | 15682 | 4189 | 47 | 117 | 89 | | |
| 257.9584 | 19:33 | 19:34 | -2 | 1.133 | 17082 | 4294 | 44 | 110 | 98 | 0.92(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | RQ |
| 255.9613 | 19:47 | 19:47 | -2 | 1.146 | 4323 | 1188 | 47 | 117 | 25 | | |
| | Empc Correction | | | | 3604 | 956 | 47 | 117 | 20 | | |
| 257.9584 | 19:47 | 19:47 | -2 | 1.146 | 3466 | 920 | 44 | 110 | 21 | 1.25(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:55 | | | | | | 47 | 117 | | | |
| 257.9584 | 19:55 | | | | | | 44 | 110 | | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:01 | 20:01 | -2 | 1.160 | 11953 | 3229 | 47 | 117 | 69 | | |
| 257.9584 | 20:01 | 20:01 | -2 | 1.160 | 12584 | 2977 | 44 | 110 | 68 | 0.95(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:31 | 20:32 | -3 | 1.190 | 14533 | 3552 | 47 | 117 | 76 | | |
| 257.9584 | 20:32 | 20:32 | -2 | 1.190 | 15351 | 3978 | 44 | 110 | 90 | 0.95(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:47 | | | | | | 168 | 420 | | | |
| 257.9584 | 21:47 | | | | | | 119 | 297 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:56 | | | | | | 168 | 420 | | | |
| 257.9584 | 21:56 | | | | | | 119 | 297 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:15 | 22:16 | -3 | 1.289 | 118251 | 28595 | 168 | 420 | 170 | | |
| 257.9584 | 22:15 | 22:16 | -3 | 1.289 | 110261 | 27413 | 119 | 297 | 230 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:15 | 22:16 | -3 | 1.289 | 118251 | 28595 | 168 | 420 | 170 | | |
| 257.9584 | 22:15 | 22:16 | -3 | 1.289 | 110261 | 27413 | 119 | 297 | 230 | 1.07(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:29 | 22:32 | -2 | 0.831 | 24412 | 5648 | 168 | 420 | 34 | | |
| 257.9584 | 22:29 | 22:32 | -2 | 0.831 | 26493 | 6243 | 119 | 297 | 52 | 0.92(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:47 | 22:51 | -3 | 0.842 | 159722 | 39883 | 168 | 420 | 237 | | |
| 257.9584 | 22:47 | 22:51 | -3 | 0.842 | 152694 | 38151 | 119 | 297 | 321 | 1.05(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:09 | -3 | 0.853 | 124395 | 29259 | 168 | 420 | 174 | | |
| 257.9584 | 23:05 | 23:09 | -4 | 0.853 | 119364 | 26559 | 119 | 297 | 223 | 1.04(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:09 | -3 | 0.853 | 124395 | 29259 | 168 | 420 | 174 | | |
| 257.9584 | 23:05 | 23:09 | -4 | 0.853 | 119364 | 26559 | 119 | 297 | 223 | 1.04(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:23 | -2 | 0.862 | 71013 | 17438 | 168 | 420 | 104 | | |
| 257.9584 | 23:20 | 23:23 | -2 | 0.862 | 67828 | 14891 | 119 | 297 | 125 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:23 | -2 | 0.862 | 71013 | 17438 | 168 | 420 | 104 | | |
| 257.9584 | 23:20 | 23:23 | -2 | 0.862 | 67828 | 14891 | 119 | 297 | 125 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:46 | -2 | 0.877 | 41178 | 9793 | 168 | 420 | 58 | | |
| 257.9584 | 23:43 | 23:46 | -3 | 0.876 | 38516 | 9435 | 119 | 297 | 79 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | RQ |
| 255.9613 | 25:17 | 25:19 | -2 | 0.934 | 5302 | 1415 | 168 | 420 | 8 | | |
| | Empc Correction | | | | 3673 | 1067 | 168 | 420 | 6 | | |
| 257.9584 | 25:17 | 25:19 | -2 | 0.934 | 3532 | 1026 | 119 | 297 | 9 | 1.50(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:38 | 25:41 | -2 | 0.947 | 3688 | 846 | 168 | 420 | 5 | | |
| 257.9584 | 25:38 | 25:41 | -2 | 0.947 | 3959 | 730 | 119 | 297 | 6 | 0.93(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:13 | | | | | | 168 | 420 | | | |
| 257.9584 | 26:13 | | | | | | 119 | 297 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:41 | 26:44 | -3 | 0.986 | 70396 | 15480 | 168 | 420 | 92 | | |
| 257.9584 | 26:41 | 26:44 | -3 | 0.986 | 63018 | 12966 | 119 | 297 | 109 | 1.12(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:05 | 27:08 | -2 | 1.001 | 47669 | 9712 | 168 | 420 | 58 | | |
| 257.9584 | 27:05 | 27:08 | -2 | 1.001 | 44320 | 8457 | 119 | 297 | 71 | 1.08(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:20 | 20:23 | -3 | 0.816 | 399964 | 97350 | 114 | 285 | 854 | | |
| 303.9597 | 20:20 | 20:23 | -2 | 0.817 | 524156 | 132068 | 10 | 25 | 13207 | 0.76(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:56 | -2 | | 1317557 | 307086 | 298 | 745 | 1030 | | |
| 303.9597 | 24:54 | 24:56 | -2 | | 1664443 | 398627 | 365 | 912 | 1092 | 0.79(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:49 | 33:52 | -2 | 1.358 | 1352195 | 276773 | 298 | 745 | 929 | | |
| 303.9597 | 33:50 | 33:52 | -1 | 1.359 | 1668572 | 349582 | 365 | 912 | 958 | 0.81(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:24 | 34:27 | -2 | 1.381 | 1308711 | 259896 | 298 | 745 | 872 | | |
| 303.9597 | 34:23 | 34:27 | -3 | 1.381 | 1621722 | 329986 | 365 | 912 | 904 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | RQ |
| 289.9224 | 20:21 | 20:24 | -3 | 1.000 | 740 | 200 | 4 | 10 | 50 | | |
| | Empc Correction | | | | 426 | 85 | 4 | 10 | 21 | | |
| 291.9194 | 20:22 | 20:24 | -2 | 1.001 | 554 | 111 | 9 | 22 | 12 | 1.34(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | -3 | 1.108 | 38236 | 9170 | 95 | 237 | 97 | | |
| 291.9194 | 22:31 | 22:34 | -4 | 1.107 | 48523 | 12460 | 75 | 187 | 166 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:34 | -3 | 1.108 | 38236 | 9170 | 95 | 237 | 97 | | |
| 291.9194 | 22:31 | 22:34 | -4 | 1.107 | 48523 | 12460 | 75 | 187 | 166 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:11 | 23:18 | -7 | 1.141 | 27277 | 4592 | 95 | 237 | 48 | | |
| 291.9194 | 23:11 | 23:18 | -7 | 1.141 | 31115 | 5007 | 75 | 187 | 67 | 0.88(0.65-0.89) | M |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:11 | 23:18 | -7 | 1.141 | 27277 | 4592 | 95 | 237 | 48 | | |
| 291.9194 | 23:11 | 23:18 | -7 | 1.141 | 31115 | 5007 | 75 | 187 | 67 | 0.88(0.65-0.89) | M |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:30 | 23:32 | -3 | 1.156 | 7844 | 1774 | 95 | 237 | 19 | | |
| 291.9194 | 23:30 | 23:32 | -3 | 1.156 | 9102 | 2055 | 75 | 187 | 27 | 0.86(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:57 | -2 | 1.226 | 1078805 | 251573 | 95 | 237 | 2648 | | |
| 291.9194 | 24:56 | 24:57 | -2 | 1.226 | 1376608 | 319526 | 75 | 187 | 4260 | 0.78(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | a |
| 289.9224 | 25:10 | 25:06 | 3 | 1.238 | 6900 | 1443 | 95 | 237 | 15 | | a |
| 291.9194 | 25:10 | 25:06 | 3 | 1.238 | 8979 | 1787 | 75 | 187 | 24 | 0.77(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | a |
| 289.9224 | 25:10 | 25:06 | 3 | 1.238 | 6900 | 1443 | 95 | 237 | 15 | | a |
| 291.9194 | 25:10 | 25:06 | 3 | 1.238 | 8979 | 1787 | 75 | 187 | 24 | 0.77(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 0 | 1.250 | 327920 | 76787 | 95 | 237 | 808 | | |
| 291.9194 | 25:25 | 25:24 | 0 | 1.250 | 411389 | 97978 | 75 | 187 | 1306 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 0 | 1.250 | 327920 | 76787 | 95 | 237 | 808 | | |
| 291.9194 | 25:25 | 25:24 | 0 | 1.250 | 411389 | 97978 | 75 | 187 | 1306 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:42 | 25:43 | -2 | 1.265 | 30175 | 6365 | 95 | 237 | 67 | | |
| 291.9194 | 25:42 | 25:43 | -2 | 1.265 | 38618 | 8253 | 75 | 187 | 110 | 0.78(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -4 | 1.275 | 498612 | 96691 | 95 | 237 | 1018 | | |
| 291.9194 | 25:54 | 25:58 | -4 | 1.275 | 630938 | 122064 | 75 | 187 | 1628 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -4 | 1.275 | 498612 | 96691 | 95 | 237 | 1018 | | |
| 291.9194 | 25:54 | 25:58 | -4 | 1.275 | 630938 | 122064 | 75 | 187 | 1628 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:54 | 25:58 | -4 | 1.275 | 498612 | 96691 | 95 | 237 | 1018 | | |
| 291.9194 | 25:54 | 25:58 | -4 | 1.275 | 630938 | 122064 | 75 | 187 | 1628 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:16 | -1 | 1.292 | 24097 | 4611 | 95 | 237 | 49 | | |
| 291.9194 | 26:14 | 26:16 | -2 | 1.291 | 29695 | 5157 | 75 | 187 | 69 | 0.81(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:16 | -1 | 1.292 | 24097 | 4611 | 95 | 237 | 49 | | |
| 291.9194 | 26:14 | 26:16 | -2 | 1.291 | 29695 | 5157 | 75 | 187 | 69 | 0.81(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:16 | -1 | 1.292 | 24097 | 4611 | 95 | 237 | 49 | | |
| 291.9194 | 26:14 | 26:16 | -2 | 1.291 | 29695 | 5157 | 75 | 187 | 69 | 0.81(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:27 | 26:29 | -2 | 1.302 | 49868 | 11284 | 95 | 237 | 119 | | |
| 291.9194 | 26:26 | 26:29 | -3 | 1.301 | 64049 | 13807 | 75 | 187 | 184 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:58 | -3 | 1.325 | 101545 | 20434 | 95 | 237 | 215 | | M |
| 291.9194 | 26:56 | 26:58 | -3 | 1.325 | 124963 | 24881 | 75 | 187 | 332 | 0.81(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:58 | -3 | 1.325 | 101545 | 20434 | 95 | 237 | 215 | | M |
| 291.9194 | 26:56 | 26:58 | -3 | 1.325 | 124963 | 24881 | 75 | 187 | 332 | 0.81(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:58 | -3 | 1.325 | 101545 | 20434 | 95 | 237 | 215 | | M |
| 291.9194 | 26:56 | 26:58 | -3 | 1.325 | 124963 | 24881 | 75 | 187 | 332 | 0.81(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:09 | 27:11 | -3 | 1.336 | 180573 | 40413 | 95 | 237 | 425 | | |
| 291.9194 | 27:09 | 27:11 | -3 | 1.336 | 236933 | 51921 | 75 | 187 | 692 | 0.76(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:00 | 28:07 | -3 | 0.828 | 18165 | 4315 | 95 | 237 | 45 | | |
| 291.9194 | 28:00 | 28:07 | -2 | 0.828 | 24746 | 5361 | 75 | 187 | 71 | 0.73(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:17 | 28:24 | -2 | 0.836 | 10300 | 2240 | 95 | 237 | 24 | | |
| 291.9194 | 28:16 | 28:24 | -3 | 0.836 | 13480 | 2634 | 75 | 187 | 35 | 0.76(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:43 | | | | | | 95 | 237 | | | |
| 291.9194 | 28:43 | | | | | | 75 | 187 | | | |
| PCB-58 | | | | | | | | | | | RQMa |
| 289.9224 | 28:55 | 29:04 | -4 | 0.855 | 4516 | 1223 | 95 | 237 | 13 | | M |
| | Empc Correction | | | | 3342 | 861 | 95 | 237 | 9 | | |
| 291.9194 | 28:55 | 29:04 | -4 | 0.855 | 4341 | 1119 | 75 | 187 | 15 | 1.04(0.65-0.89) | M |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:07 | 29:14 | -2 | 0.861 | 29000 | 6412 | 95 | 237 | 67 | | |
| 291.9194 | 29:07 | 29:14 | -2 | 0.861 | 40133 | 9263 | 75 | 187 | 124 | 0.72(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | M |
| 289.9224 | 29:23 | 29:30 | -2 | 0.869 | 15730 | 3842 | 95 | 237 | 40 | | |
| 291.9194 | 29:23 | 29:30 | -2 | 0.869 | 21616 | 4916 | 75 | 187 | 66 | 0.73(0.65-0.89) | M |
| PCB-61 | | | | | | | | | | | M |
| 289.9224 | 29:42 | 29:49 | -3 | 0.878 | 1192385 | 213859 | 95 | 237 | 2251 | | M |
| 291.9194 | 29:42 | 29:49 | -3 | 0.878 | 1503555 | 266583 | 75 | 187 | 3554 | 0.79(0.65-0.89) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-70 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:42 | 29:49 | -3 | 0.878 | 1192385 | 213859 | 95 | 237 | 2251 | | M |
| 291.9194 | 29:42 | 29:49 | -3 | 0.878 | 1503555 | 266583 | 75 | 187 | 3554 | 0.79(0.65-0.89) | M |
| PCB-74 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:42 | 29:49 | -3 | 0.878 | 1192385 | 213859 | 95 | 237 | 2251 | | M |
| 291.9194 | 29:42 | 29:49 | -3 | 0.878 | 1503555 | 266583 | 75 | 187 | 3554 | 0.79(0.65-0.89) | M |
| PCB-76 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:42 | 29:49 | -3 | 0.878 | 1192385 | 213859 | 95 | 237 | 2251 | | M |
| 291.9194 | 29:42 | 29:49 | -3 | 0.878 | 1503555 | 266583 | 75 | 187 | 3554 | 0.79(0.65-0.89) | M |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:02 | 30:09 | -3 | 0.888 | 316108 | 66759 | 95 | 237 | 703 | | M |
| 291.9194 | 30:02 | 30:09 | -3 | 0.888 | 383845 | 82785 | 75 | 187 | 1104 | 0.82(0.65-0.89) | M |
| PCB-55 | | | | | | | | | | | RQMa |
| 289.9224 | 30:12 | 30:15 | -2 | 0.893 | 12667 | 2067 | 95 | 237 | 22 | | M |
| | Empc Correction | | | | 9825 | 1817 | 95 | 237 | 19 | | |
| 291.9194 | 30:13 | 30:15 | -1 | 0.893 | 12760 | 2361 | 75 | 187 | 31 | 0.99(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:42 | 30:49 | -2 | 0.908 | 153703 | 32287 | 95 | 237 | 340 | | |
| 291.9194 | 30:42 | 30:49 | -2 | 0.908 | 196922 | 42281 | 75 | 187 | 564 | 0.78(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:55 | 31:02 | -2 | 0.914 | 52767 | 11532 | 95 | 237 | 121 | | |
| 291.9194 | 30:55 | 31:02 | -2 | 0.914 | 64061 | 13125 | 75 | 187 | 175 | 0.82(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:20 | | | | | | 95 | 237 | | | |
| 291.9194 | 31:20 | | | | | | 75 | 187 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:52 | 32:59 | -1 | 0.972 | 31258 | 6488 | 95 | 237 | 68 | | |
| 291.9194 | 32:52 | 32:59 | -1 | 0.972 | 35377 | 8108 | 75 | 187 | 108 | 0.88(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:25 | | | | | | 95 | 237 | | | |
| 291.9194 | 33:25 | | | | | | 75 | 187 | | | |
| PCB-81 | | | | | | | | | | | RQMa |
| 289.9224 | 33:49 | 33:58 | -3 | 1.000 | 2905 | 916 | 95 | 237 | 10 | | M |
| | Empc Correction | | | | 2410 | 766 | 95 | 237 | 8 | | |
| 291.9194 | 33:50 | 33:58 | -3 | 1.000 | 3131 | 996 | 75 | 187 | 13 | 0.93(0.65-0.89) | M |
| PCB-77 | | | | | | | | | | | M |
| 289.9224 | 34:25 | 34:30 | -2 | 1.000 | 74895 | 15543 | 95 | 237 | 164 | | |
| 291.9194 | 34:25 | 34:30 | -2 | 1.000 | 98499 | 21122 | 75 | 187 | 282 | 0.76(0.65-0.89) | M |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:56 | -2 | 0.814 | 1287300 | 294699 | 80 | 200 | 3684 | | |
| 339.9178 | 25:51 | 25:56 | -3 | 0.814 | 812237 | 180232 | 105 | 262 | 1716 | 1.58(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:46 | 31:48 | -2 | | 1478484 | 320835 | 80 | 200 | 4010 | | |
| 339.9178 | 31:46 | 31:48 | -2 | | 913038 | 193367 | 105 | 262 | 1842 | 1.62(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:27 | 34:32 | -2 | 1.085 | 1580790 | 341557 | 80 | 200 | 4269 | | |
| 339.9178 | 34:27 | 34:32 | -2 | 1.085 | 998393 | 208810 | 105 | 262 | 1989 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:24 | 36:30 | -3 | 1.146 | 1872291 | 385192 | 1100 | 2750 | 350 | | |
| 339.9178 | 36:24 | 36:30 | -3 | 1.146 | 1192394 | 246525 | 1130 | 2825 | 218 | 1.57(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:44 | 36:50 | -3 | 1.156 | 1981954 | 396342 | 1100 | 2750 | 360 | | |
| 339.9178 | 36:44 | 36:50 | -2 | 1.157 | 1248976 | 248622 | 1130 | 2825 | 220 | 1.59(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:16 | 37:21 | -2 | 1.173 | 1899146 | 389955 | 1100 | 2750 | 355 | | |
| 339.9178 | 37:16 | 37:21 | -2 | 1.173 | 1200590 | 242852 | 1130 | 2825 | 215 | 1.58(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:54 | 38:00 | -2 | 1.193 | 1930021 | 393029 | 1100 | 2750 | 357 | | |
| 339.9178 | 37:54 | 38:00 | -2 | 1.193 | 1212547 | 248040 | 1130 | 2825 | 220 | 1.59(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:23 | 39:25 | -3 | | 1705418 | 341791 | 1100 | 2750 | 311 | | |
| 339.9178 | 39:23 | 39:25 | -3 | | 1045030 | 214706 | 1130 | 2825 | 190 | 1.63(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:00 | 41:06 | -2 | 1.291 | 1534238 | 298751 | 1100 | 2750 | 272 | | |
| 339.9178 | 40:59 | 41:06 | -3 | 1.291 | 953761 | 186016 | 1130 | 2825 | 165 | 1.61(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | | | | | | 62 | 155 | | | |
| 327.8775 | 25:53 | | | | | | 46 | 115 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | 26:18 | -3 | 1.015 | 15240 | 3319 | 62 | 155 | 54 | | |
| 327.8775 | 26:14 | 26:18 | -4 | 1.014 | 9384 | 2177 | 46 | 115 | 47 | 1.62(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:11 | 28:14 | -2 | 1.090 | 20863 | 4769 | 62 | 155 | 77 | | |
| 327.8775 | 28:11 | 28:14 | -2 | 1.090 | 14396 | 3401 | 46 | 115 | 74 | 1.45(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:24 | | | | | | 62 | 155 | | | |
| 327.8775 | 28:24 | | | | | | 46 | 115 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:50 | 28:54 | -3 | 1.115 | 1485309 | 325769 | 62 | 155 | 5254 | | |
| 327.8775 | 28:50 | 28:54 | -3 | 1.115 | 934086 | 204594 | 46 | 115 | 4448 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | RQ |
| 325.8804 | 29:04 | 29:07 | -2 | 1.124 | 23386 | 4266 | 62 | 155 | 69 | | |
| | Empc Correction | | | | 19674 | 4064 | 62 | 155 | 66 | | |
| 327.8775 | 29:03 | 29:07 | -3 | 1.124 | 12693 | 2622 | 46 | 115 | 57 | 1.84(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | RQ |
| 325.8804 | 29:04 | 29:07 | -2 | 1.124 | 23386 | 4266 | 62 | 155 | 69 | | |
| | Empc Correction | | | | 19674 | 4064 | 62 | 155 | 66 | | |
| 327.8775 | 29:03 | 29:07 | -3 | 1.124 | 12693 | 2622 | 46 | 115 | 57 | 1.84(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:12 | 29:16 | -3 | 1.130 | 53950 | 10334 | 62 | 155 | 167 | | |
| 327.8775 | 29:12 | 29:16 | -3 | 1.130 | 34413 | 5882 | 46 | 115 | 128 | 1.57(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:12 | 29:16 | -3 | 1.130 | 53950 | 10334 | 62 | 155 | 167 | | |
| 327.8775 | 29:12 | 29:16 | -3 | 1.130 | 34413 | 5882 | 46 | 115 | 128 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:42 | 29:46 | -3 | 1.149 | 247067 | 52703 | 62 | 155 | 850 | | |
| 327.8775 | 29:42 | 29:46 | -3 | 1.149 | 160767 | 34338 | 46 | 115 | 746 | 1.54(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:42 | 29:46 | -3 | 1.149 | 247067 | 52703 | 62 | 155 | 850 | | |
| 327.8775 | 29:42 | 29:46 | -3 | 1.149 | 160767 | 34338 | 46 | 115 | 746 | 1.54(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:55 | 29:59 | -3 | 1.157 | 433982 | 91420 | 62 | 155 | 1475 | | |
| 327.8775 | 29:55 | 29:59 | -3 | 1.157 | 276601 | 59117 | 46 | 115 | 1285 | 1.57(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:25 | 30:27 | -2 | 1.176 | 17631 | 3454 | 62 | 155 | 56 | | |
| 327.8775 | 30:24 | 30:27 | -3 | 1.176 | 11799 | 2255 | 46 | 115 | 49 | 1.49(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:50 | | | | | | 62 | 155 | | | |
| 327.8775 | 30:50 | | | | | | 46 | 115 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:12 | 31:18 | -2 | 0.857 | 360856 | 78499 | 62 | 155 | 1266 | | |
| 327.8775 | 31:12 | 31:18 | -2 | 0.857 | 234088 | 50389 | 46 | 115 | 1095 | 1.54(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:49 | -1 | 1.230 | 2140126 | 457951 | 62 | 155 | 7386 | | |
| 327.8775 | 31:47 | 31:49 | -1 | 1.230 | 1341154 | 280244 | 46 | 115 | 6092 | 1.60(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:49 | -1 | 1.230 | 2140126 | 457951 | 62 | 155 | 7386 | | |
| 327.8775 | 31:47 | 31:49 | -1 | 1.230 | 1341154 | 280244 | 46 | 115 | 6092 | 1.60(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:49 | -1 | 1.230 | 2140126 | 457951 | 62 | 155 | 7386 | | |
| 327.8775 | 31:47 | 31:49 | -1 | 1.230 | 1341154 | 280244 | 46 | 115 | 6092 | 1.60(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:22 | 32:24 | -3 | 1.252 | 912580 | 174127 | 62 | 155 | 2809 | | M |
| 327.8775 | 32:22 | 32:24 | -3 | 1.252 | 575661 | 111163 | 46 | 115 | 2417 | 1.59(1.32-1.78) | M |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:22 | 32:24 | -3 | 1.252 | 912580 | 174127 | 62 | 155 | 2809 | | M |
| 327.8775 | 32:22 | 32:24 | -3 | 1.252 | 575661 | 111163 | 46 | 115 | 2417 | 1.59(1.32-1.78) | M |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | | | | | | 62 | 155 | | | |
| 327.8775 | 32:29 | | | | | | 46 | 115 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:54 | 4 | 1.275 | 1435131 | 179808 | 62 | 155 | 2900 | | M |
| 327.8775 | 32:58 | 32:54 | 4 | 1.275 | 902543 | 114071 | 46 | 115 | 2480 | 1.59(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:54 | 4 | 1.275 | 1435131 | 179808 | 62 | 155 | 2900 | | M |
| 327.8775 | 32:58 | 32:54 | 4 | 1.275 | 902543 | 114071 | 46 | 115 | 2480 | 1.59(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:54 | 4 | 1.275 | 1435131 | 179808 | 62 | 155 | 2900 | | M |
| 327.8775 | 32:58 | 32:54 | 4 | 1.275 | 902543 | 114071 | 46 | 115 | 2480 | 1.59(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:54 | 4 | 1.275 | 1435131 | 179808 | 62 | 155 | 2900 | | M |
| 327.8775 | 32:58 | 32:54 | 4 | 1.275 | 902543 | 114071 | 46 | 115 | 2480 | 1.59(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:54 | 4 | 1.275 | 1435131 | 179808 | 62 | 155 | 2900 | | M |
| 327.8775 | 32:58 | 32:54 | 4 | 1.275 | 902543 | 114071 | 46 | 115 | 2480 | 1.59(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:54 | 4 | 1.275 | 1435131 | 179808 | 62 | 155 | 2900 | | M |
| 327.8775 | 32:58 | 32:54 | 4 | 1.275 | 902543 | 114071 | 46 | 115 | 2480 | 1.59(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:38 | -1 | 1.299 | 343674 | 57727 | 62 | 155 | 931 | | |
| 327.8775 | 33:35 | 33:38 | -2 | 1.299 | 215012 | 37805 | 46 | 115 | 822 | 1.60(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:38 | -1 | 1.299 | 343674 | 57727 | 62 | 155 | 931 | | |
| 327.8775 | 33:35 | 33:38 | -2 | 1.299 | 215012 | 37805 | 46 | 115 | 822 | 1.60(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:38 | -1 | 1.299 | 343674 | 57727 | 62 | 155 | 931 | | |
| 327.8775 | 33:35 | 33:38 | -2 | 1.299 | 215012 | 37805 | 46 | 115 | 822 | 1.60(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:45 | 33:52 | -7 | 1.305 | 2708586 | 557289 | 62 | 155 | 8989 | | |
| 327.8775 | 33:45 | 33:52 | -7 | 1.305 | 1701459 | 353362 | 46 | 115 | 7682 | 1.59(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:45 | 33:52 | -7 | 1.305 | 2708586 | 557289 | 62 | 155 | 8989 | | |
| 327.8775 | 33:45 | 33:52 | -7 | 1.305 | 1701459 | 353362 | 46 | 115 | 7682 | 1.59(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:05 | 34:08 | -2 | 1.318 | 189016 | 36663 | 62 | 155 | 591 | | |
| 327.8775 | 34:04 | 34:08 | -3 | 1.318 | 120971 | 23392 | 46 | 115 | 509 | 1.56(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | | | | | | 62 | 155 | | | |
| 327.8775 | 34:28 | | | | | | 46 | 115 | | | |
| PCB-120 | | | | | | | | | | | RQ |
| 325.8804 | 34:56 | 34:59 | -2 | 1.351 | 16536 | 2781 | 62 | 155 | 45 | | |
| 327.8775 | 34:55 | 34:59 | -3 | 1.351 | 12711 | 1961 | 46 | 115 | 43 | 1.30(1.32-1.78) | |
| | Empc Correction | | | | 10668 | 1794 | 46 | 115 | 39 | | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:07 | -2 | 1.395 | 117121 | 24572 | 173 | 432 | 142 | | |
| 327.8775 | 36:04 | 36:07 | -2 | 1.395 | 67271 | 13462 | 95 | 237 | 142 | 1.74(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:07 | -2 | 1.395 | 117121 | 24572 | 173 | 432 | 142 | | |
| 327.8775 | 36:04 | 36:07 | -2 | 1.395 | 67271 | 13462 | 95 | 237 | 142 | 1.74(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:18 | 36:22 | -3 | 1.404 | 208870 | 43097 | 173 | 432 | 249 | | |
| 327.8775 | 36:18 | 36:22 | -3 | 1.404 | 133688 | 27209 | 95 | 237 | 286 | 1.56(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:25 | 36:32 | -2 | 1.001 | 43245 | 9811 | 173 | 432 | 57 | | |
| 327.8775 | 36:25 | 36:32 | -2 | 1.001 | 25974 | 5790 | 95 | 237 | 61 | 1.66(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:32 | | | | | | 173 | 432 | | | |
| 327.8775 | 36:32 | | | | | | 95 | 237 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:45 | 36:54 | -3 | 1.001 | 2423204 | 496126 | 173 | 432 | 2868 | | |
| 327.8775 | 36:45 | 36:54 | -3 | 1.001 | 1528890 | 313959 | 95 | 237 | 3305 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:05 | 37:14 | -3 | 1.010 | 37016 | 6024 | 173 | 432 | 35 | | |
| 327.8775 | 37:06 | 37:14 | -2 | 1.010 | 23664 | 4246 | 95 | 237 | 45 | 1.56(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | M |
| 325.8804 | 37:17 | 37:25 | -2 | 1.001 | 56258 | 10912 | 173 | 432 | 63 | | M |
| 327.8775 | 37:17 | 37:25 | -2 | 1.001 | 36788 | 7091 | 95 | 237 | 75 | 1.53(1.32-1.78) | M |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:56 | 38:04 | -2 | 1.001 | 946038 | 188236 | 173 | 432 | 1088 | | |
| 327.8775 | 37:56 | 38:04 | -2 | 1.001 | 597908 | 116872 | 95 | 237 | 1230 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:24 | | | | | | 173 | 432 | | | |
| 327.8775 | 39:24 | | | | | | 95 | 237 | | | |
| PCB-126 | | | | | | | | | | | RQM |
| 325.8804 | 41:01 | 41:09 | -2 | 1.000 | 16408 | 2904 | 173 | 432 | 17 | | M |
| | Empc Correction | | | | 14241 | 3005 | 173 | 432 | 17 | | |
| 327.8775 | 41:01 | 41:09 | -2 | 1.000 | 9188 | 1939 | 95 | 237 | 20 | 1.79(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:32 | 31:39 | -3 | 0.791 | 1188093 | 249872 | 184 | 460 | 1358 | | |
| 373.8788 | 31:32 | 31:39 | -3 | 0.791 | 952997 | 198359 | 260 | 650 | 763 | 1.25(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:51 | 39:54 | -3 | | 1333181 | 260531 | 267 | 667 | 976 | | |
| 373.8788 | 39:51 | 39:54 | -3 | | 1076646 | 216280 | 432 | 1080 | 501 | 1.24(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:52 | 43:01 | -2 | 1.076 | 1624215 | 324920 | 267 | 667 | 1217 | | |
| 373.8788 | 42:52 | 43:01 | -2 | 1.076 | 1276265 | 255687 | 432 | 1080 | 592 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:10 | -2 | 1.105 | 3024669 | 430031 | 267 | 667 | 1611 | | |
| 373.8788 | 44:01 | 44:10 | -2 | 1.105 | 2375300 | 328891 | 432 | 1080 | 761 | 1.27(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:10 | -2 | 1.105 | 3024669 | 430031 | 267 | 667 | 1611 | | |
| 373.8788 | 44:01 | 44:10 | -2 | 1.105 | 2375300 | 328891 | 432 | 1080 | 761 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:15 | 47:24 | -2 | 1.186 | 1485315 | 288241 | 267 | 667 | 1080 | | |
| 373.8788 | 47:15 | 47:24 | -2 | 1.186 | 1206047 | 236071 | 432 | 1080 | 546 | 1.23(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:33 | | | | | | 38 | 95 | | | |
| 361.8385 | 31:33 | | | | | | 49 | 122 | | | |
| PCB-152 | | | | | | | | | | | RQ |
| 359.8415 | 31:45 | 31:49 | -2 | 1.007 | 2933 | 648 | 38 | 95 | 17 | | |
| | Empc Correction | | | | 1872 | 505 | 38 | 95 | 13 | | |
| 361.8385 | 31:46 | 31:49 | -1 | 1.007 | 1510 | 408 | 49 | 122 | 8 | 1.94(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:54 | 32:00 | -3 | 1.012 | 7069 | 1634 | 38 | 95 | 43 | | |
| 361.8385 | 31:55 | 32:00 | -3 | 1.012 | 6594 | 1436 | 49 | 122 | 29 | 1.07(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:16 | 32:21 | -2 | 1.023 | 220191 | 45968 | 38 | 95 | 1210 | | |
| 361.8385 | 32:16 | 32:21 | -2 | 1.023 | 180902 | 40532 | 49 | 122 | 827 | 1.22(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:34 | 32:39 | -3 | 1.033 | 2518 | 389 | 38 | 95 | 10 | | |
| 361.8385 | 32:36 | 32:39 | 0 | 1.034 | 2129 | 325 | 49 | 122 | 7 | 1.18(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | RQ |
| 359.8415 | 34:06 | 34:11 | -2 | 1.082 | 5988 | 1266 | 38 | 95 | 33 | | |
| | Empc Correction | | | | 4101 | 949 | 38 | 95 | 25 | | |
| 361.8385 | 34:07 | 34:11 | -1 | 1.082 | 3308 | 766 | 49 | 122 | 16 | 1.81(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:41 | 34:45 | -2 | 1.100 | 349229 | 44015 | 38 | 95 | 1158 | | |
| 361.8385 | 34:41 | 34:45 | -2 | 1.100 | 282314 | 35544 | 49 | 122 | 725 | 1.24(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:41 | 34:45 | -2 | 1.100 | 349229 | 44015 | 38 | 95 | 1158 | | |
| 361.8385 | 34:41 | 34:45 | -2 | 1.100 | 282314 | 35544 | 49 | 122 | 725 | 1.24(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:57 | 35:01 | -2 | 1.108 | 34639 | 7909 | 38 | 95 | 208 | | |
| 361.8385 | 34:57 | 35:01 | -2 | 1.108 | 30816 | 5956 | 49 | 122 | 122 | 1.12(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:15 | 35:20 | -2 | 1.118 | 55352 | 11507 | 38 | 95 | 303 | | |
| 361.8385 | 35:14 | 35:20 | -3 | 1.118 | 44532 | 9023 | 49 | 122 | 184 | 1.24(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:41 | -2 | 1.129 | 1237004 | 254939 | 80 | 200 | 3187 | | |
| 361.8385 | 35:37 | 35:41 | -2 | 1.129 | 968301 | 194700 | 70 | 175 | 2781 | 1.28(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:41 | -2 | 1.129 | 1237004 | 254939 | 80 | 200 | 3187 | | |
| 361.8385 | 35:37 | 35:41 | -2 | 1.129 | 968301 | 194700 | 70 | 175 | 2781 | 1.28(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:49 | 35:59 | -8 | 1.136 | 94530 | 17982 | 80 | 200 | 225 | | a |
| 361.8385 | 35:49 | 35:59 | -8 | 1.136 | 73757 | 14041 | 70 | 175 | 201 | 1.28(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:49 | 35:59 | -8 | 1.136 | 94530 | 17982 | 80 | 200 | 225 | | a |
| 361.8385 | 35:49 | 35:59 | -8 | 1.136 | 73757 | 14041 | 70 | 175 | 201 | 1.28(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:12 | 36:17 | -3 | 1.148 | 43634 | 8604 | 80 | 200 | 108 | | |
| 361.8385 | 36:13 | 36:17 | -2 | 1.149 | 35682 | 6614 | 70 | 175 | 94 | 1.22(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:12 | 36:17 | -3 | 1.148 | 43634 | 8604 | 80 | 200 | 108 | | |
| 361.8385 | 36:13 | 36:17 | -2 | 1.149 | 35682 | 6614 | 70 | 175 | 94 | 1.22(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:25 | 36:29 | -1 | 1.155 | 30287 | 5862 | 80 | 200 | 73 | | |
| 361.8385 | 36:25 | 36:29 | -1 | 1.155 | 24176 | 4771 | 70 | 175 | 68 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:33 | | | | | | 80 | 200 | | | |
| 361.8385 | 36:33 | | | | | | 70 | 175 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:52 | 36:57 | -2 | 1.169 | 571355 | 117316 | 80 | 200 | 1466 | | |
| 361.8385 | 36:52 | 36:57 | -2 | 1.169 | 460699 | 96174 | 70 | 175 | 1374 | 1.24(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:23 | 37:27 | -2 | 1.185 | 34564 | 6318 | 80 | 200 | 79 | | |
| 361.8385 | 37:23 | 37:27 | -2 | 1.185 | 28226 | 5600 | 70 | 175 | 80 | 1.22(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:47 | | | | | | 80 | 200 | | | |
| 361.8385 | 37:47 | | | | | | 70 | 175 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:01 | 38:10 | -2 | 0.887 | 258704 | 49811 | 80 | 200 | 623 | | |
| 361.8385 | 38:01 | 38:10 | -2 | 0.887 | 206405 | 38126 | 70 | 175 | 545 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:10 | | | | | | 80 | 200 | | | |
| 361.8385 | 38:10 | | | | | | 70 | 175 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:49 | -4 | 0.901 | 1188420 | 247420 | 80 | 200 | 3093 | | |
| 361.8385 | 38:38 | 38:49 | -4 | 0.901 | 959427 | 196347 | 70 | 175 | 2805 | 1.24(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:49 | -4 | 0.901 | 1188420 | 247420 | 80 | 200 | 3093 | | |
| 361.8385 | 38:38 | 38:49 | -4 | 0.901 | 959427 | 196347 | 70 | 175 | 2805 | 1.24(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:50 | 38:59 | -2 | 0.906 | 198760 | 40666 | 80 | 200 | 508 | | |
| 361.8385 | 38:50 | 38:59 | -2 | 0.906 | 159187 | 32958 | 70 | 175 | 471 | 1.25(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:14 | 39:24 | -3 | 0.915 | 94211 | 18050 | 80 | 200 | 226 | | |
| 361.8385 | 39:14 | 39:24 | -3 | 0.915 | 76374 | 14893 | 70 | 175 | 213 | 1.23(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:28 | 39:36 | -2 | 0.920 | 77662 | 15240 | 80 | 200 | 191 | | |
| 361.8385 | 39:28 | 39:36 | -2 | 0.920 | 60094 | 12181 | 70 | 175 | 174 | 1.29(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:35 | 39:44 | -3 | 0.923 | 112456 | 23811 | 80 | 200 | 298 | | |
| 361.8385 | 39:35 | 39:44 | -3 | 0.923 | 99271 | 20241 | 70 | 175 | 289 | 1.13(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:53 | 40:03 | -3 | 0.930 | 1542222 | 291806 | 80 | 200 | 3648 | | |
| 361.8385 | 39:53 | 40:03 | -3 | 0.930 | 1238338 | 233504 | 70 | 175 | 3336 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:53 | 40:03 | -3 | 0.930 | 1542222 | 291806 | 80 | 200 | 3648 | | |
| 361.8385 | 39:53 | 40:03 | -3 | 0.930 | 1238338 | 233504 | 70 | 175 | 3336 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:53 | 40:03 | -3 | 0.930 | 1542222 | 291806 | 80 | 200 | 3648 | | |
| 361.8385 | 39:53 | 40:03 | -3 | 0.930 | 1238338 | 233504 | 70 | 175 | 3336 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:53 | 40:03 | -3 | 0.930 | 1542222 | 291806 | 80 | 200 | 3648 | | |
| 361.8385 | 39:53 | 40:03 | -3 | 0.930 | 1238338 | 233504 | 70 | 175 | 3336 | 1.25(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:17 | 40:26 | -2 | 0.940 | 235588 | 47311 | 80 | 200 | 591 | | |
| 361.8385 | 40:16 | 40:26 | -3 | 0.939 | 177326 | 35249 | 70 | 175 | 504 | 1.33(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:09 | 41:16 | 0 | 0.960 | 298459 | 57299 | 80 | 200 | 716 | | |
| 361.8385 | 41:09 | 41:16 | 0 | 0.960 | 232463 | 44855 | 70 | 175 | 641 | 1.28(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:09 | 41:16 | 0 | 0.960 | 298459 | 57299 | 80 | 200 | 716 | | |
| 361.8385 | 41:09 | 41:16 | 0 | 0.960 | 232463 | 44855 | 70 | 175 | 641 | 1.28(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:17 | | | | | | 80 | 200 | | | |
| 361.8385 | 42:17 | | | | | | 70 | 175 | | | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:25 | 42:28 | -2 | 0.989 | 9071 | 1824 | 80 | 200 | 23 | | |
| 361.8385 | 42:25 | 42:28 | -2 | 0.989 | 7350 | 1522 | 70 | 175 | 22 | 1.23(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:53 | 43:03 | -3 | 1.000 | 92994 | 18798 | 80 | 200 | 235 | | |
| 361.8385 | 42:54 | 43:03 | -2 | 1.001 | 74028 | 14020 | 70 | 175 | 200 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:01 | 44:11 | -3 | 1.000 | 248081 | 42531 | 80 | 200 | 532 | | |
| 361.8385 | 44:01 | 44:11 | -3 | 1.000 | 197902 | 34017 | 70 | 175 | 486 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:01 | 44:11 | -3 | 1.000 | 248081 | 42531 | 80 | 200 | 532 | | |
| 361.8385 | 44:01 | 44:11 | -3 | 1.000 | 197902 | 34017 | 70 | 175 | 486 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:17 | | | | | | 80 | 200 | | | |
| 361.8385 | 47:17 | | | | | | 70 | 175 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:16 | 37:25 | -3 | 0.820 | 1390710 | 273888 | 203 | 507 | 1349 | | |
| 407.8398 | 37:16 | 37:25 | -2 | 0.821 | 1261563 | 250968 | 241 | 602 | 1041 | 1.10(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:19 | 40:28 | -2 | 0.888 | 1035869 | 211405 | 203 | 507 | 1041 | | |
| 407.8398 | 40:19 | 40:28 | -2 | 0.888 | 989124 | 199706 | 241 | 602 | 829 | 1.05(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:25 | 45:27 | -2 | | 1235544 | 239883 | 203 | 507 | 1182 | | |
| 407.8398 | 45:25 | 45:27 | -2 | | 1223929 | 245151 | 241 | 602 | 1017 | 1.01(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:40 | 46:50 | -3 | 1.027 | 854464 | 164717 | 203 | 507 | 811 | | |
| 407.8398 | 46:40 | 46:50 | -3 | 1.027 | 803402 | 158966 | 241 | 602 | 660 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:47 | 49:58 | -2 | 1.096 | 1038938 | 200056 | 1038 | 2595 | 193 | | |
| 407.8398 | 49:47 | 49:58 | -2 | 1.096 | 1000028 | 195292 | 885 | 2212 | 221 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:21 | | | | | | 45 | 112 | | | |
| 395.7995 | 37:21 | | | | | | 44 | 110 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:38 | 37:44 | -2 | 1.010 | 93669 | 19097 | 45 | 112 | 424 | | |
| 395.7995 | 37:38 | 37:44 | -2 | 1.010 | 88542 | 18125 | 44 | 110 | 412 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:09 | | | | | | 45 | 112 | | | |
| 395.7995 | 38:09 | | | | | | 44 | 110 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:30 | 38:37 | -2 | 1.033 | 28416 | 5636 | 45 | 112 | 125 | | |
| 395.7995 | 38:31 | 38:37 | -1 | 1.034 | 26837 | 6086 | 44 | 110 | 138 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:57 | | | | | | 45 | 112 | | | |
| 395.7995 | 38:57 | | | | | | 44 | 110 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:21 | 40:27 | -2 | 1.083 | 34269 | 7440 | 45 | 112 | 165 | | |
| 395.7995 | 40:20 | 40:27 | -3 | 1.083 | 34495 | 5958 | 44 | 110 | 135 | 0.99(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | RQ |
| 393.8025 | 40:59 | 41:05 | -2 | 1.100 | 7297 | 1143 | 45 | 112 | 25 | | |
| 395.7995 | 40:59 | 41:05 | -2 | 1.100 | 8538 | 1851 | 44 | 110 | 42 | 0.85(0.89-1.21) | |
| | Empc Correction | | | | 6949 | 1088 | 44 | 110 | 25 | | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:15 | 41:22 | -2 | 1.107 | 195170 | 40137 | 45 | 112 | 892 | | |
| 395.7995 | 41:15 | 41:22 | -2 | 1.107 | 189153 | 39023 | 44 | 110 | 887 | 1.03(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | RQ |
| 393.8025 | 41:29 | 41:34 | 0 | 1.113 | 2355 | 660 | 45 | 112 | 15 | | |
| 395.7995 | 41:27 | 41:34 | -3 | 1.112 | 3394 | 616 | 44 | 110 | 14 | 0.69(0.89-1.21) | |
| | Empc Correction | | | | 2242 | 628 | 44 | 110 | 14 | | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:52 | 41:59 | -2 | 1.124 | 103158 | 18518 | 45 | 112 | 412 | | |
| 395.7995 | 41:52 | 41:59 | -2 | 1.124 | 101930 | 18349 | 44 | 110 | 417 | 1.01(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:52 | 41:59 | -2 | 1.124 | 103158 | 18518 | 45 | 112 | 412 | | |
| 395.7995 | 41:52 | 41:59 | -2 | 1.124 | 101930 | 18349 | 44 | 110 | 417 | 1.01(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:06 | 42:13 | -2 | 1.130 | 137151 | 27547 | 45 | 112 | 612 | | |
| 395.7995 | 42:06 | 42:13 | -2 | 1.130 | 128271 | 24597 | 44 | 110 | 559 | 1.07(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:32 | 42:39 | -2 | 1.141 | 99805 | 19603 | 45 | 112 | 436 | | |
| 395.7995 | 42:32 | 42:39 | -2 | 1.141 | 94187 | 18677 | 44 | 110 | 424 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:55 | | | | | | 45 | 112 | | | |
| 395.7995 | 42:55 | | | | | | 44 | 110 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:16 | -1 | 1.159 | 63485 | 12167 | 45 | 112 | 270 | | |
| 395.7995 | 43:10 | 43:16 | -1 | 1.159 | 59372 | 11285 | 44 | 110 | 256 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:16 | -1 | 1.159 | 63485 | 12167 | 45 | 112 | 270 | | |
| 395.7995 | 43:10 | 43:16 | -1 | 1.159 | 59372 | 11285 | 44 | 110 | 256 | 1.07(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:48 | 44:57 | -2 | 0.900 | 24930 | 5029 | 45 | 112 | 112 | | |
| 395.7995 | 44:48 | 44:57 | -2 | 0.900 | 24378 | 4323 | 44 | 110 | 98 | 1.02(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:07 | | | | | | 45 | 112 | | | |
| 395.7995 | 45:07 | | | | | | 44 | 110 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:27 | 45:33 | 1 | 0.913 | 317723 | 56636 | 45 | 112 | 1259 | | a |
| 395.7995 | 45:26 | 45:33 | 1 | 0.913 | 299118 | 54303 | 44 | 110 | 1234 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:27 | 45:33 | 1 | 0.913 | 317723 | 56636 | 45 | 112 | 1259 | | a |
| 395.7995 | 45:26 | 45:33 | 1 | 0.913 | 299118 | 54303 | 44 | 110 | 1234 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | RQ |
| 393.8025 | 45:48 | 45:57 | -2 | 0.920 | 9850 | 1660 | 45 | 112 | 37 | | |
| 395.7995 | 45:48 | 45:57 | -2 | 0.920 | 12589 | 2086 | 44 | 110 | 47 | 0.78(0.89-1.21) | |
| | Empc Correction | | | | 9380 | 1580 | 44 | 110 | 36 | | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:42 | 46:51 | -2 | 0.938 | 141311 | 27106 | 45 | 112 | 602 | | |
| 395.7995 | 46:42 | 46:51 | -2 | 0.938 | 135141 | 27851 | 44 | 110 | 633 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:13 | 47:22 | -2 | 0.948 | 30940 | 5806 | 45 | 112 | 129 | | |
| 395.7995 | 47:13 | 47:22 | -2 | 0.948 | 27589 | 4925 | 44 | 110 | 112 | 1.12(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:48 | 49:59 | -3 | 1.000 | 8445 | 1609 | 37 | 92 | 43 | | |
| 395.7995 | 49:50 | 49:59 | -1 | 1.001 | 7874 | 1353 | 41 | 102 | 33 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:39 | 42:48 | -2 | 0.822 | 1096580 | 212802 | 228 | 570 | 933 | | |
| 441.8008 | 42:38 | 42:48 | -3 | 0.821 | 1208885 | 233581 | 206 | 515 | 1134 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:55 | 51:56 | -2 | | 878990 | 171334 | 219 | 547 | 782 | | |
| 441.8008 | 51:55 | 51:56 | -2 | | 981526 | 196964 | 804 | 2010 | 245 | 0.90(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:33 | -2 | 1.009 | 937329 | 180005 | 219 | 547 | 822 | | |
| 441.8008 | 52:23 | 52:33 | -2 | 1.009 | 1051925 | 204383 | 804 | 2010 | 254 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | RQ |
| 427.7635 | 42:40 | 42:47 | -2 | 1.000 | 15391 | 2744 | 53 | 132 | 52 | | |
| | Empc Correction | | | | 13123 | 2448 | 53 | 132 | 46 | | |
| 429.7606 | 42:39 | 42:47 | -3 | 1.000 | 14745 | 2751 | 66 | 165 | 42 | 1.04(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:36 | 43:43 | -2 | 1.022 | 10158 | 1845 | 53 | 132 | 35 | | |
| 429.7606 | 43:36 | 43:43 | -2 | 1.022 | 9961 | 1930 | 66 | 165 | 29 | 1.02(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:16 | | | | | | 53 | 132 | | | |
| 429.7606 | 44:16 | | | | | | 66 | 165 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-197 | | | | | | | | | | | RQ |
| 427.7635 | 44:30 | 44:37 | -1 | 1.044 | 2507 | 782 | 53 | 132 | 15 | | |
| 429.7606 | 44:29 | 44:37 | -3 | 1.043 | 4067 | 742 | 66 | 165 | 11 | 0.62(0.76-1.02) | |
| | Empc Correction | | | | 2816 | 878 | 66 | 165 | 13 | | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:37 | 44:43 | -1 | 1.046 | 7804 | 1349 | 53 | 132 | 25 | | |
| 429.7606 | 44:37 | 44:43 | -1 | 1.046 | 7634 | 1410 | 66 | 165 | 21 | 1.02(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:25 | 47:31 | 1 | 1.112 | 42172 | 7380 | 53 | 132 | 139 | | |
| 429.7606 | 47:25 | 47:31 | 0 | 1.112 | 48662 | 9326 | 66 | 165 | 141 | 0.87(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:25 | 47:31 | 1 | 1.112 | 42172 | 7380 | 53 | 132 | 139 | | |
| 429.7606 | 47:25 | 47:31 | 0 | 1.112 | 48662 | 9326 | 66 | 165 | 141 | 0.87(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:04 | 48:13 | -2 | 0.918 | 22488 | 4380 | 53 | 132 | 83 | | |
| 429.7606 | 48:03 | 48:13 | -2 | 0.917 | 24467 | 5131 | 66 | 165 | 78 | 0.92(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:16 | 48:25 | -2 | 0.921 | 28521 | 5072 | 53 | 132 | 96 | | |
| 429.7606 | 48:16 | 48:25 | -2 | 0.921 | 27849 | 5488 | 66 | 165 | 83 | 1.02(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:35 | 49:44 | -2 | 0.947 | 12127 | 2840 | 71 | 177 | 40 | | |
| 429.7606 | 49:35 | 49:44 | -2 | 0.947 | 13898 | 2810 | 87 | 217 | 32 | 0.87(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:55 | 52:06 | -2 | 0.991 | 32713 | 6630 | 71 | 177 | 93 | | |
| 429.7606 | 51:55 | 52:06 | -2 | 0.991 | 37161 | 7482 | 87 | 217 | 86 | 0.88(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:24 | | | | | | 71 | 177 | | | |
| 429.7606 | 52:24 | | | | | | 87 | 217 | | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:19 | 49:30 | -2 | 0.950 | 946147 | 187020 | 285 | 712 | 656 | | |
| 475.7619 | 49:19 | 49:30 | -2 | 0.950 | 1198276 | 238441 | 843 | 2107 | 283 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:08 | 54:18 | -2 | 1.043 | 650961 | 127045 | 285 | 712 | 446 | | |
| 475.7619 | 54:08 | 54:18 | -2 | 1.043 | 844093 | 173352 | 843 | 2107 | 206 | 0.77(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | RQM |
| 461.7246 | 49:20 | 49:28 | -2 | 1.000 | 5801 | 1189 | 53 | 132 | 22 | | |
| 463.7216 | 49:21 | 49:28 | -2 | 1.001 | 9008 | 1594 | 129 | 322 | 12 | 0.64(0.65-0.89) | M |
| | Empc Correction | | | | 7533 | 1544 | 129 | 322 | 12 | | |
| PCB-207 | | | | | | | | | | | M |
| 461.7246 | 50:16 | 50:25 | -3 | 1.019 | 3334 | 659 | 53 | 132 | 12 | | |
| 463.7216 | 50:16 | 50:25 | -3 | 1.019 | 4809 | 925 | 129 | 322 | 7 | 0.69(0.65-0.89) | M |
| PCB-206 | | | | | | | | | | | RQa |
| 461.7246 | 54:08 | 54:08 | -3 | 1.000 | 32455 | 6203 | 53 | 132 | 117 | | a |
| | Empc Correction | | | | 17316 | 4291 | 53 | 132 | 81 | | |
| 463.7216 | 54:10 | 54:08 | -2 | 1.000 | 22489 | 5573 | 129 | 322 | 43 | 1.44(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:47 | 55:57 | -2 | 1.075 | 762161 | 138795 | 184 | 460 | 754 | | |
| 509.7229 | 55:47 | 55:57 | -2 | 1.075 | 1115737 | 198729 | 135 | 337 | 1472 | 0.68(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:49 | 55:59 | -1 | 1.001 | 16715 | 2851 | 32 | 80 | 89 | | |
| 497.6826 | 55:48 | 55:59 | -2 | 1.000 | 22765 | 4053 | 26 | 65 | 156 | 0.73(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

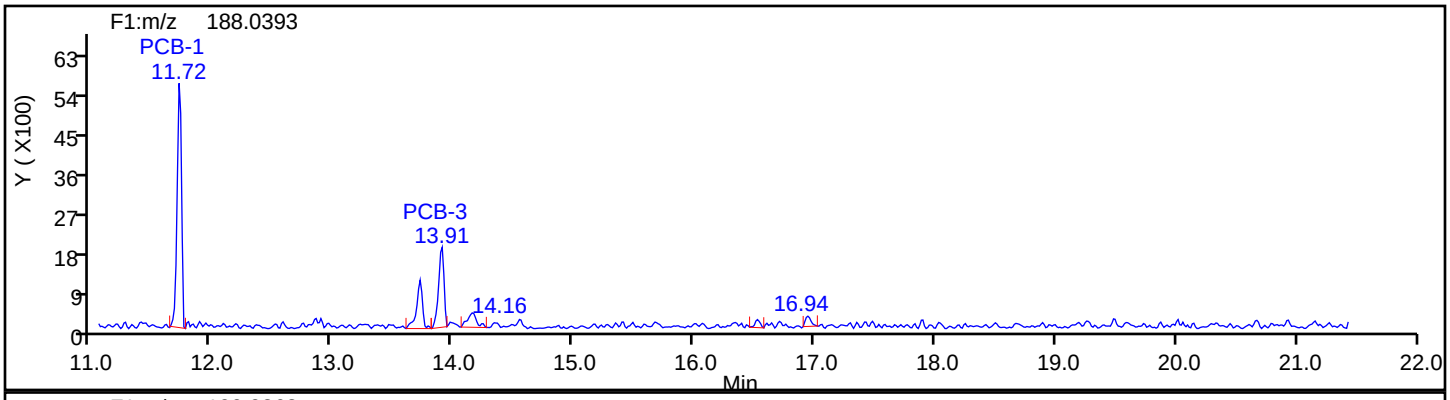
M - Manually Integrated

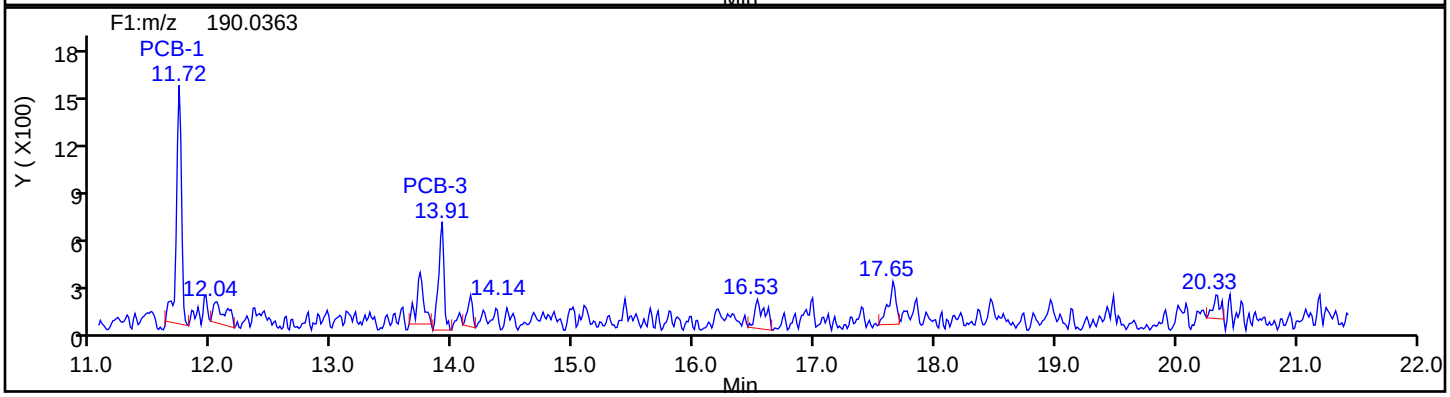
a - User Assigned ID

Eurofins TestAmerica, Knoxville

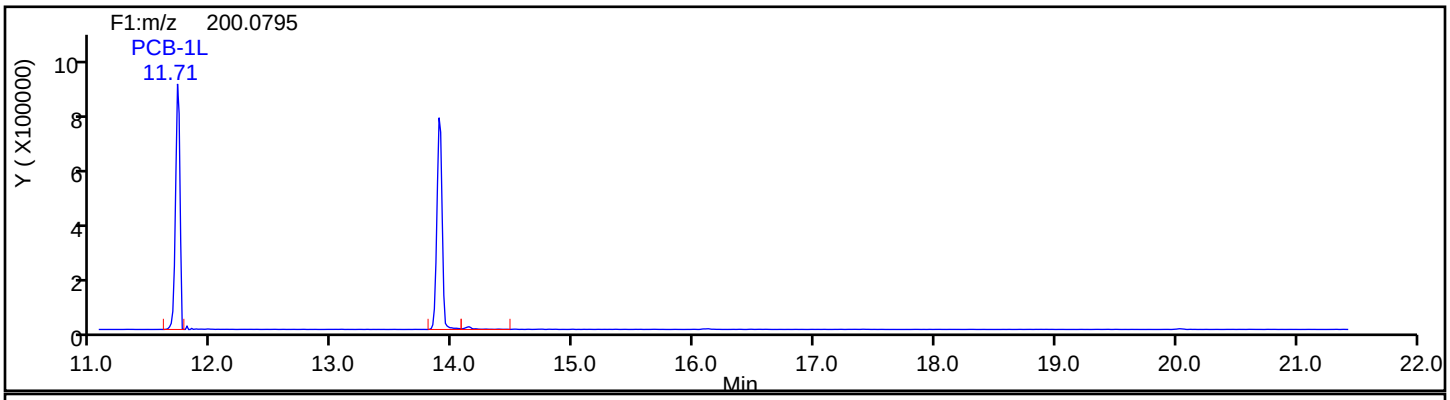
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

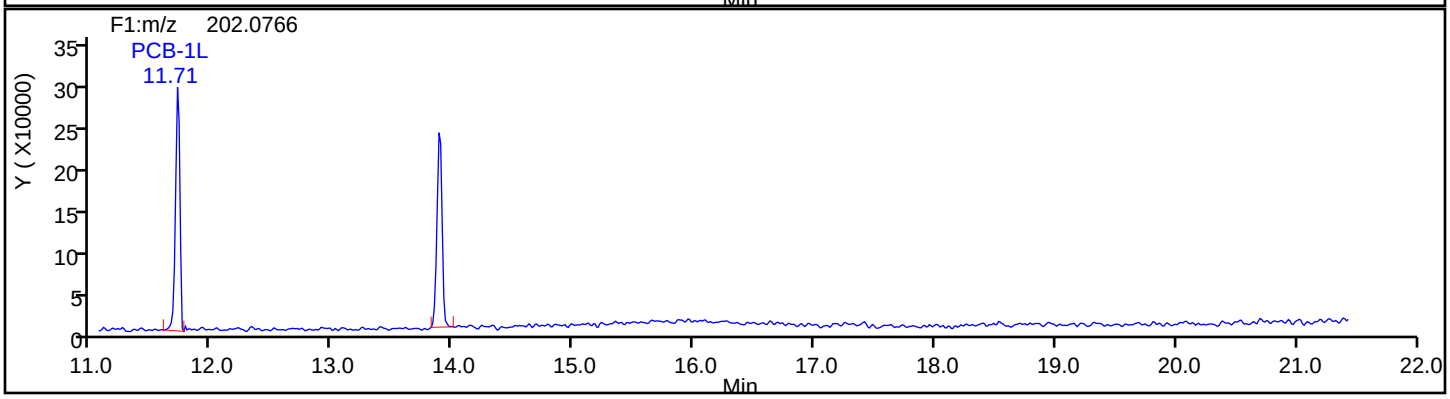
MoPCB F1




MoPCB F1 Standards

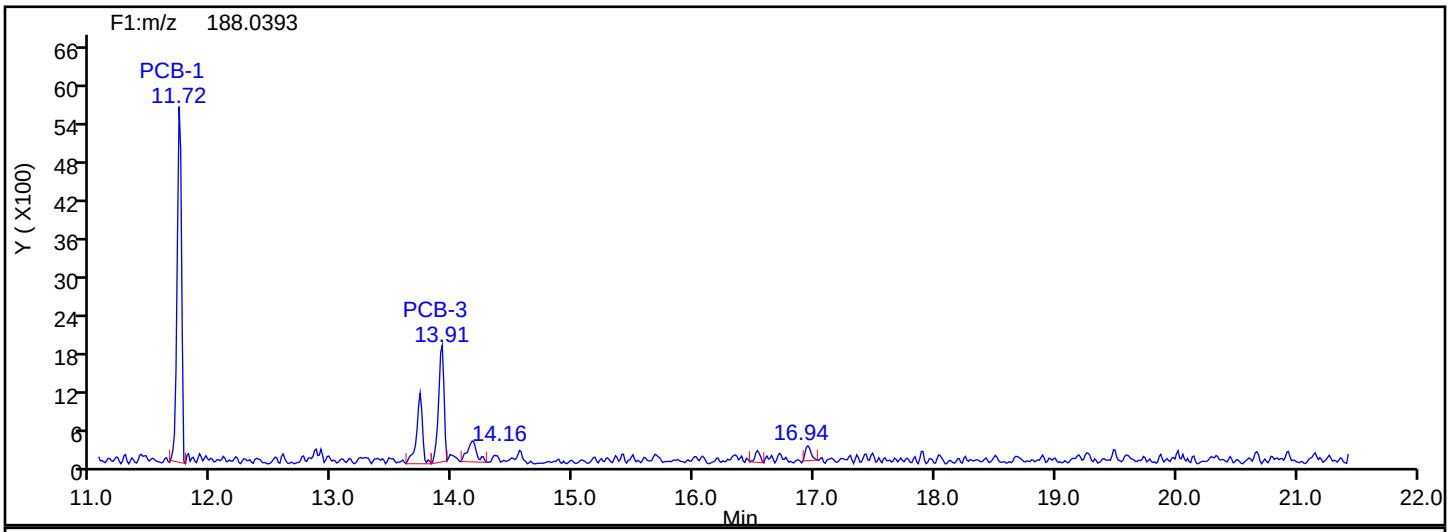


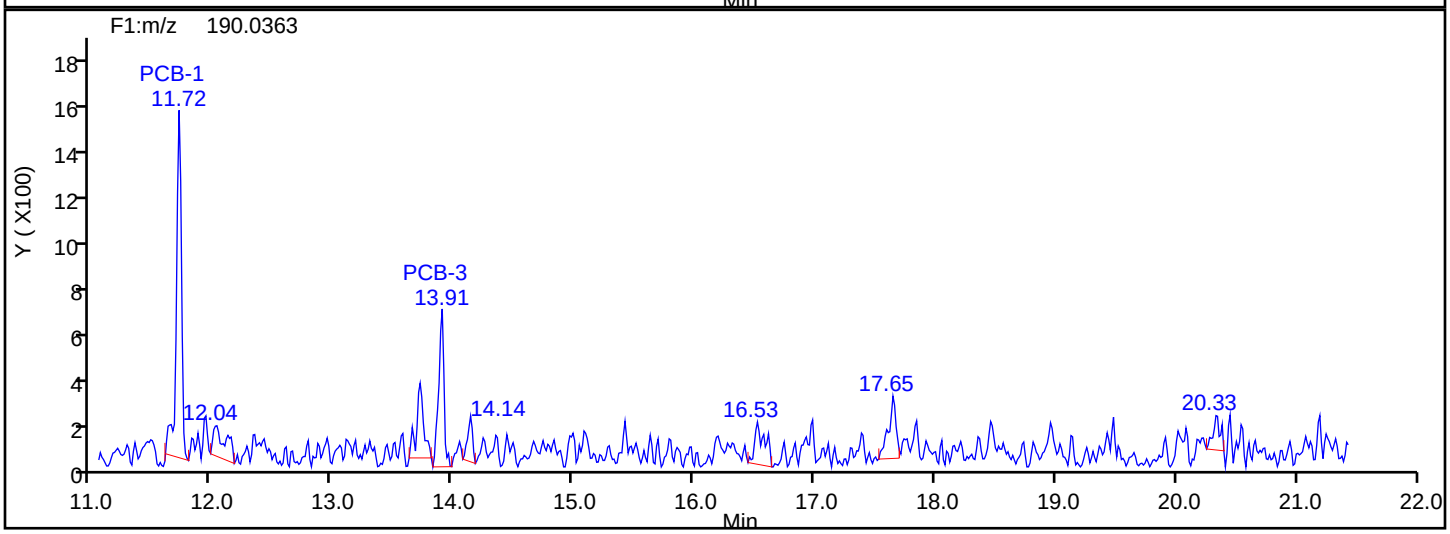



Eurofins TestAmerica, Knoxville

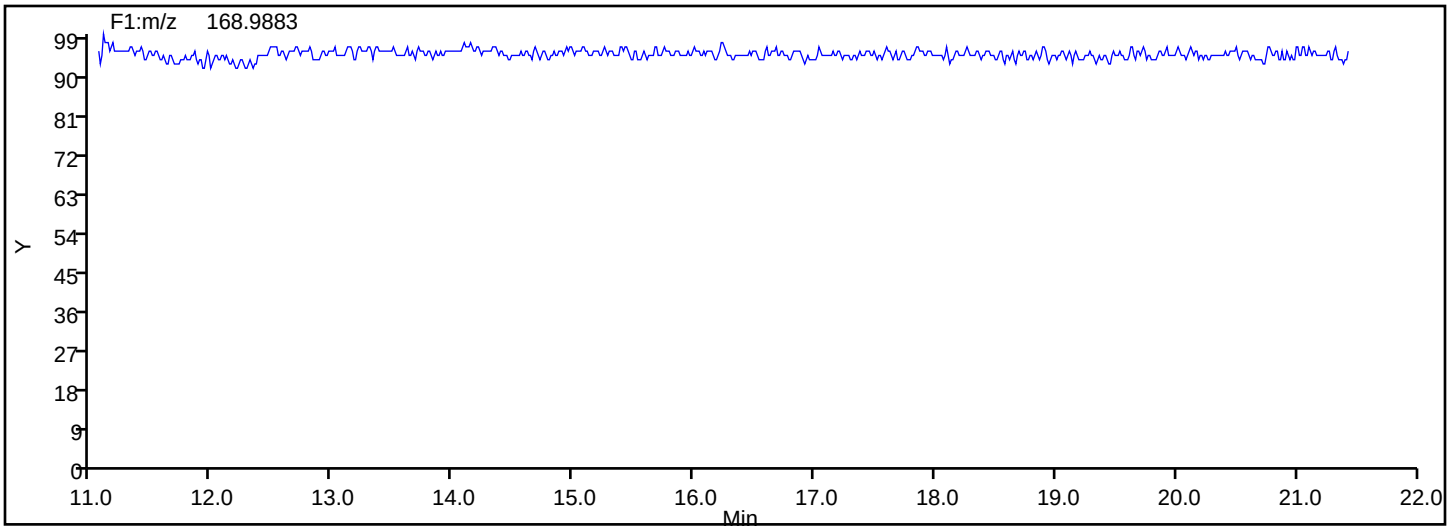
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1



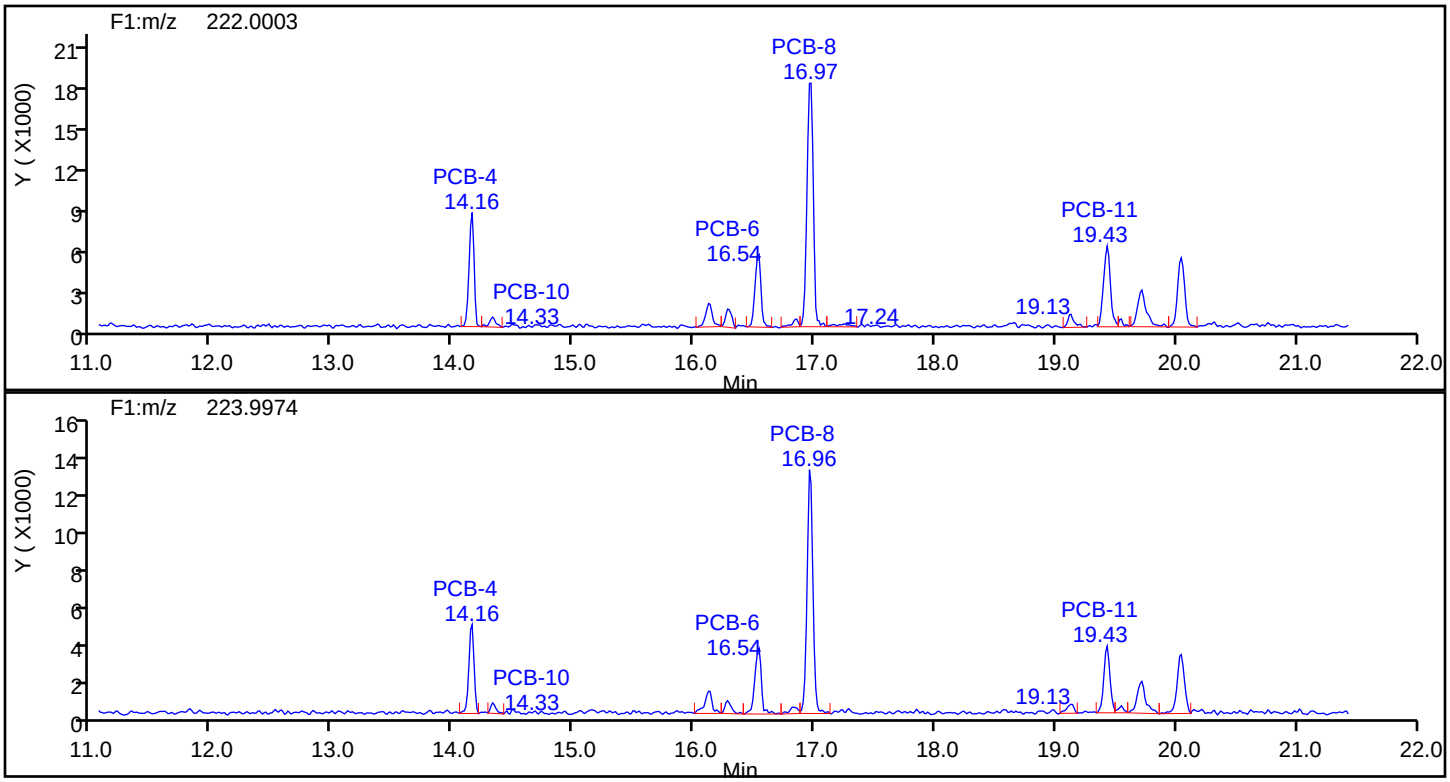

MoPCB F1 Lock Mass



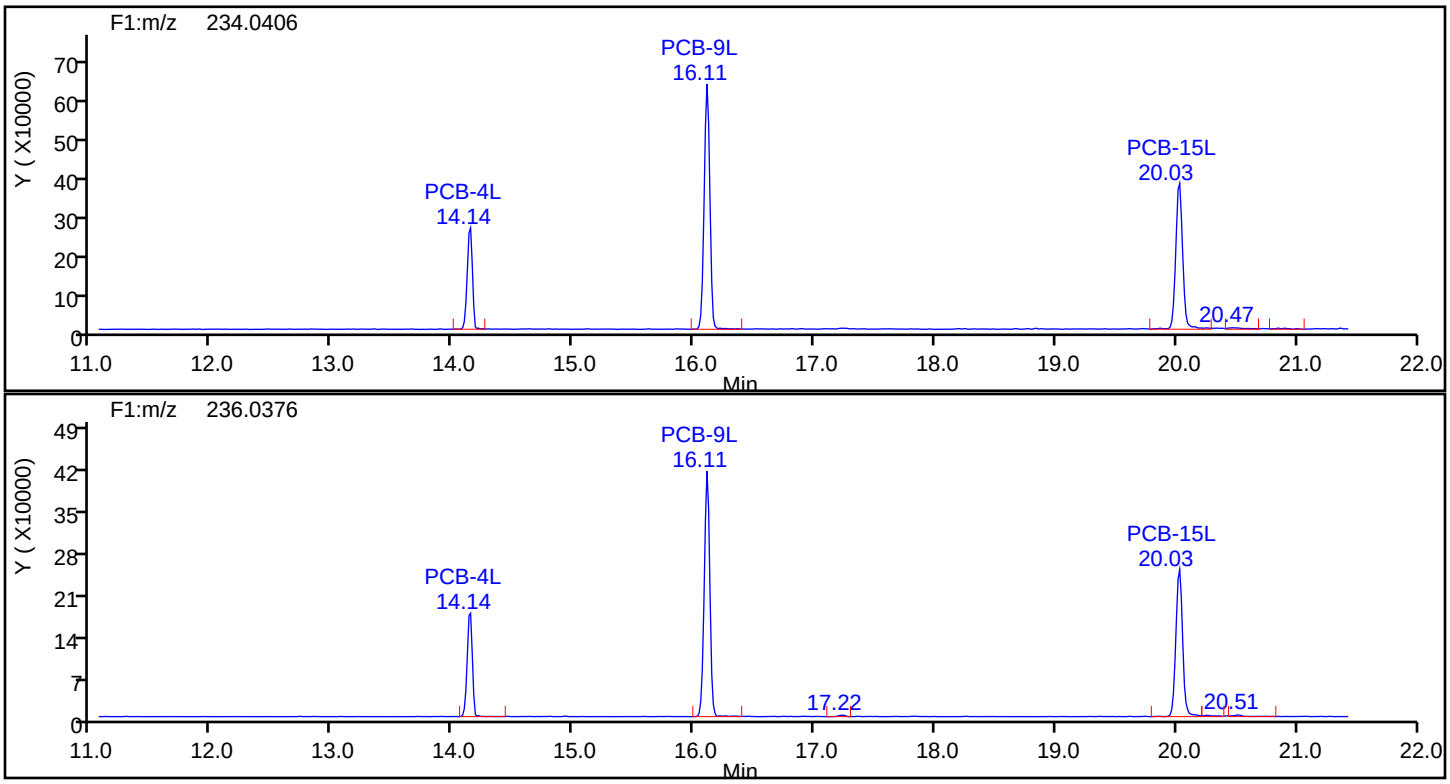
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



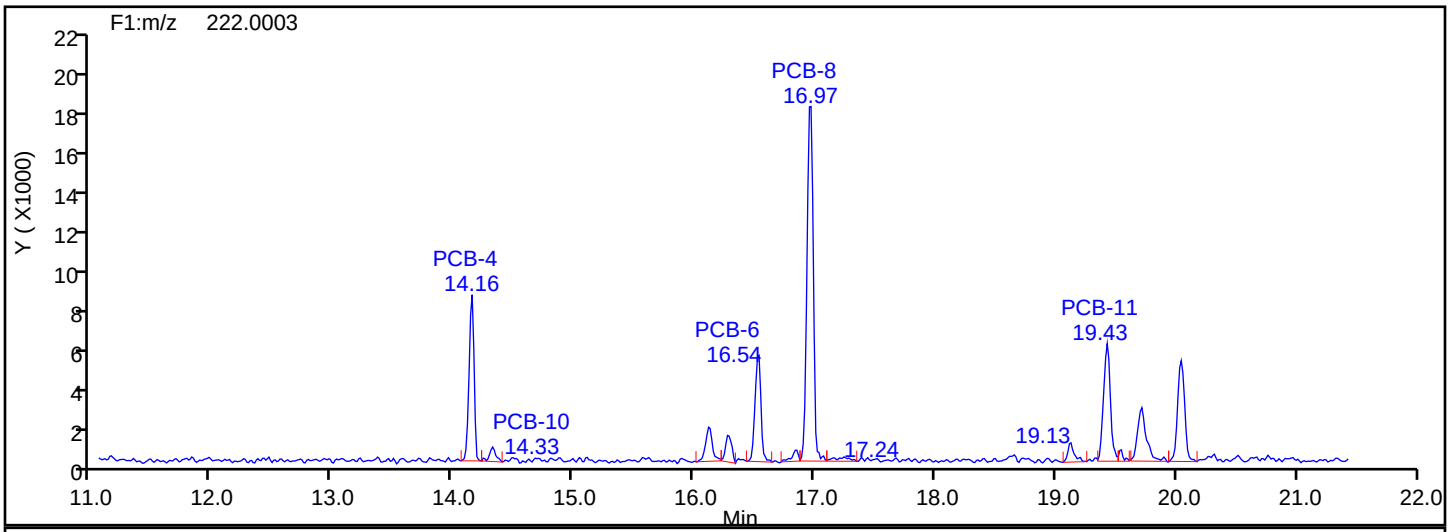

DiPCB F1 Standards

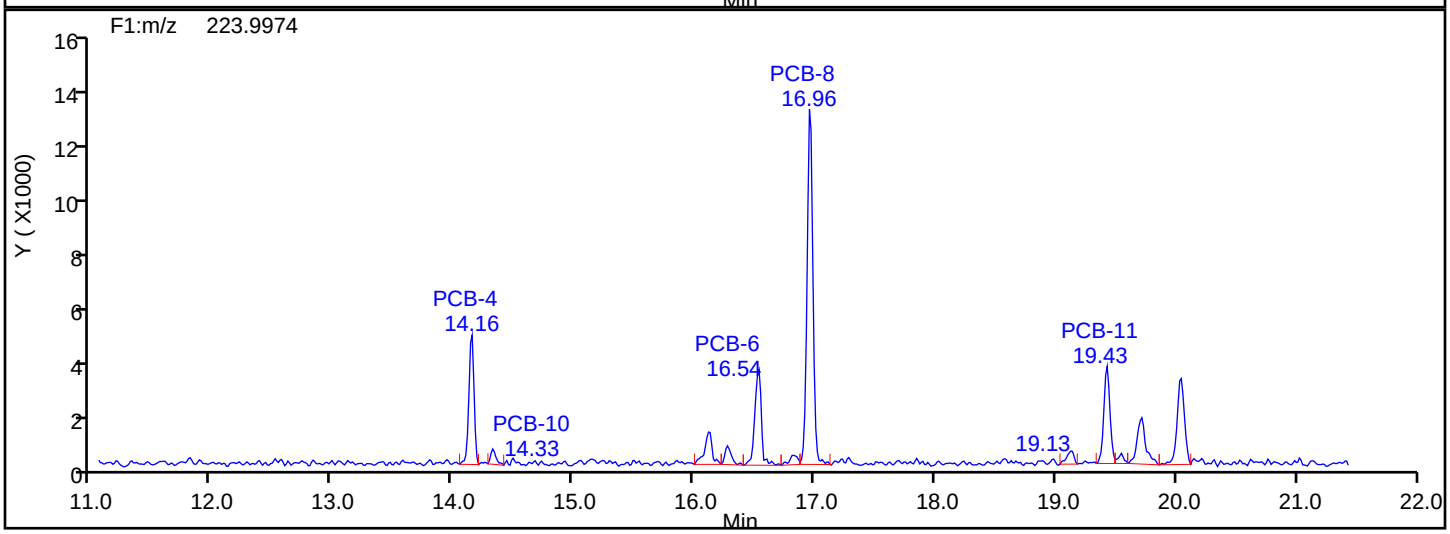


Eurofins TestAmerica, Knoxville

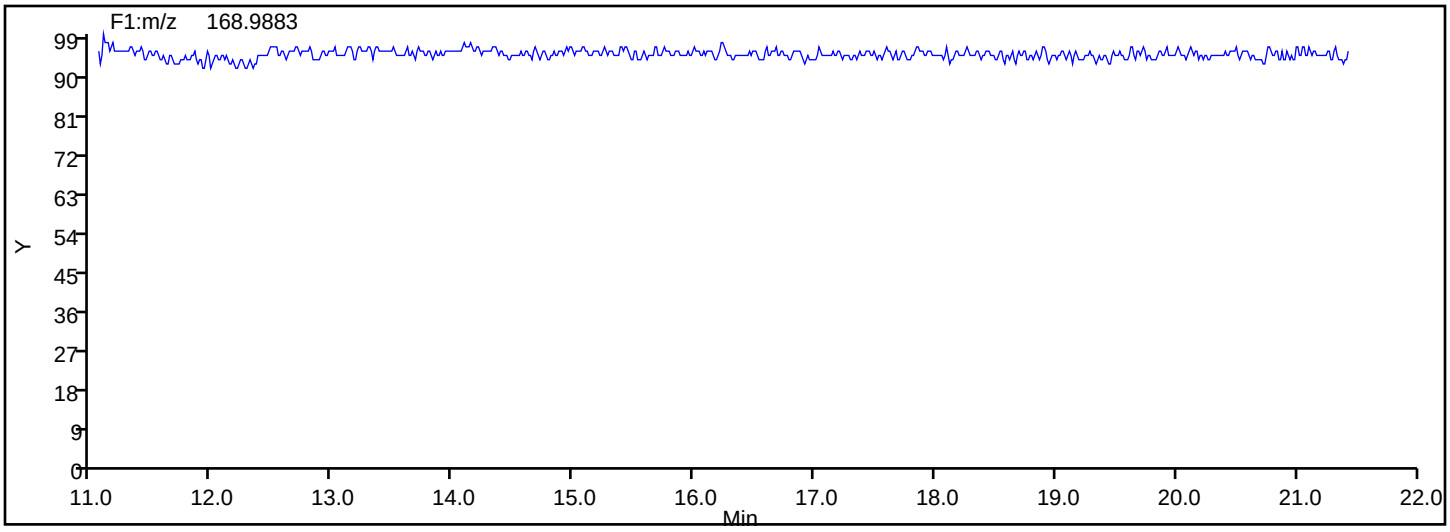
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

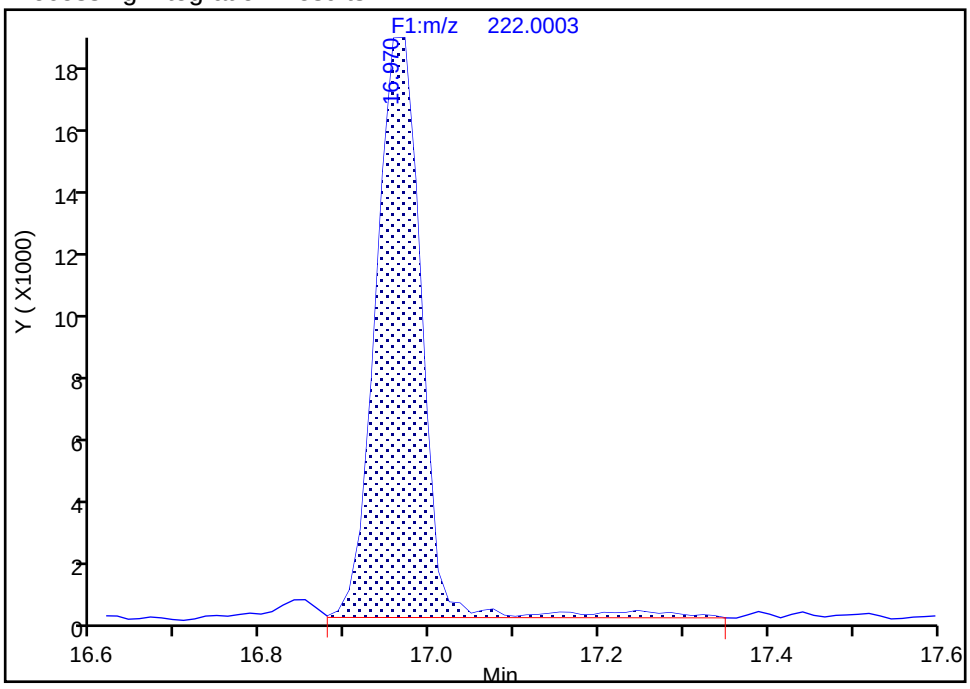
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

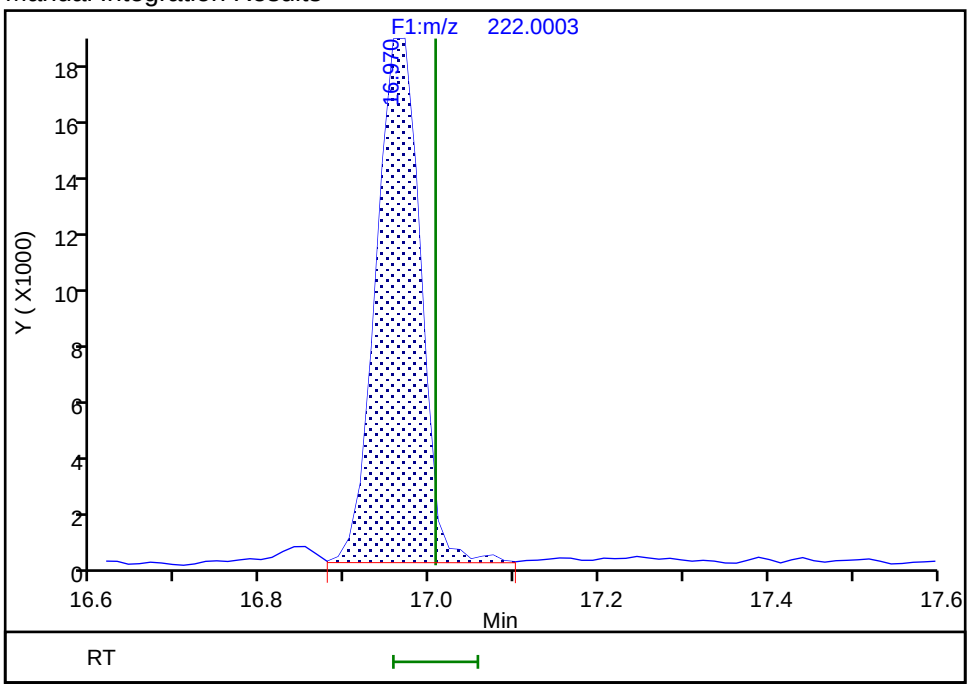
Processing Integration Results

RT: 16.97
Area: 67344
Amount: 3.612953
Amount Units: pg/ul




Manual Integration Results

RT: 16.97
Area: 65562
Amount: 3.554209
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:47:33

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

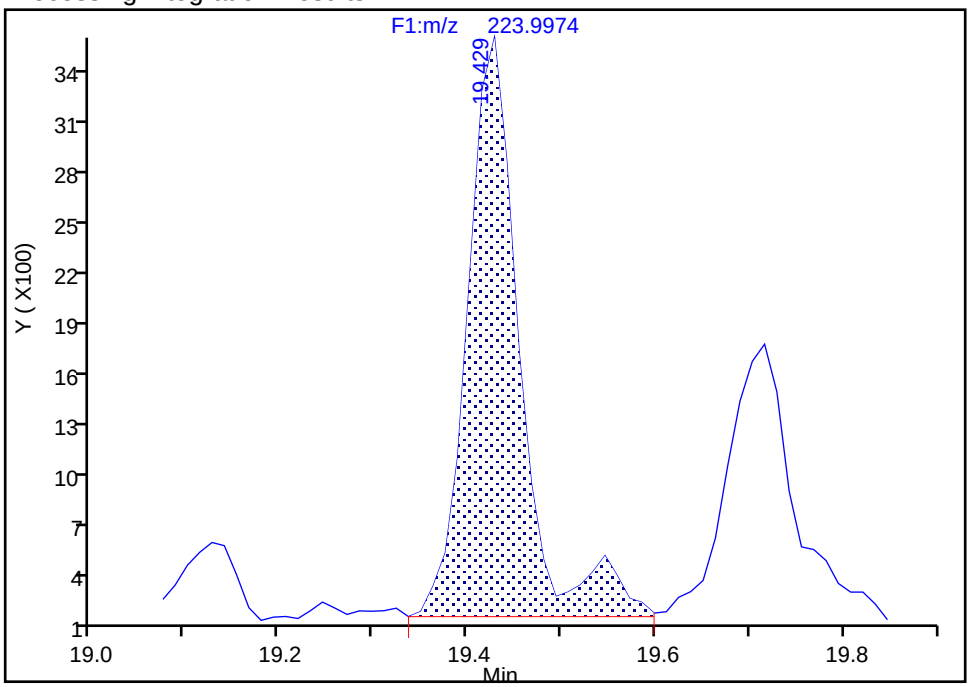
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

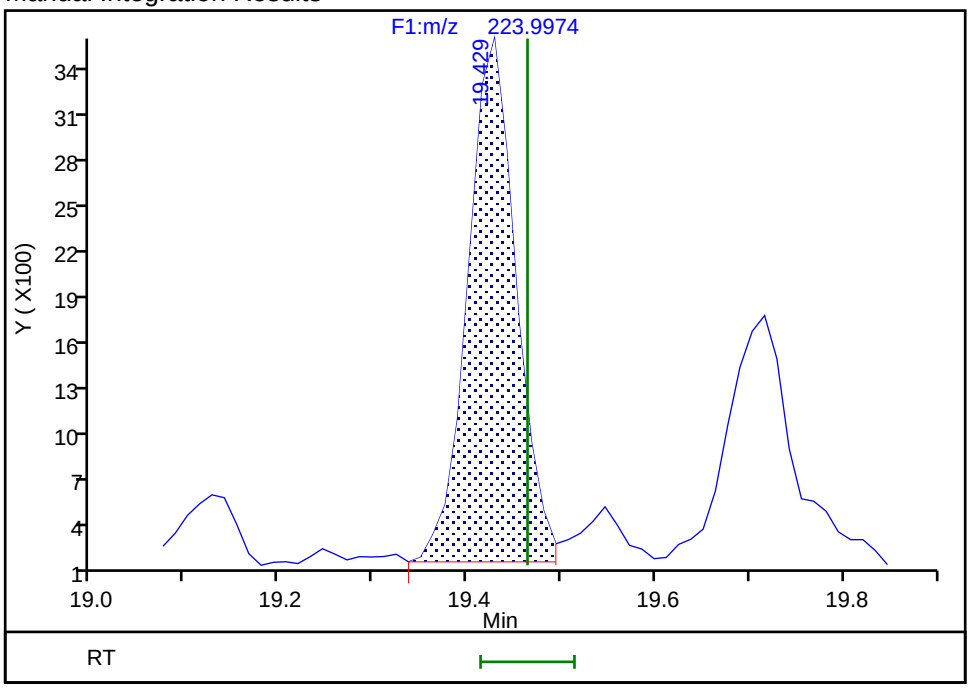
Processing Integration Results

RT: 19.43
Area: 13320
Amount: 1.227859
Amount Units: pg/ul




Manual Integration Results

RT: 19.43
Area: 12178
Amount: 1.146820
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:39:03

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

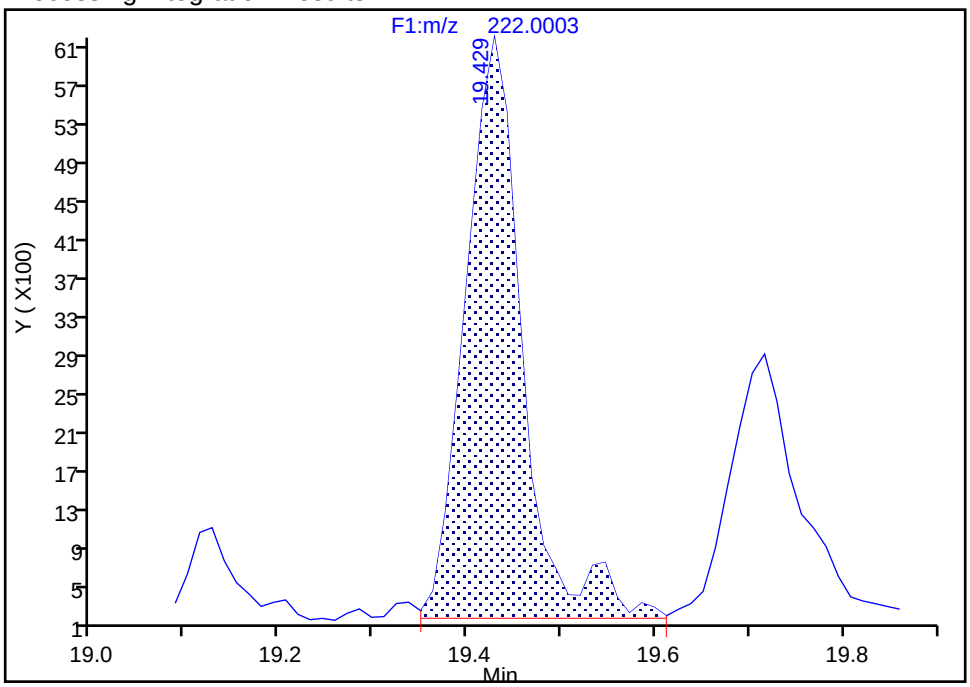
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

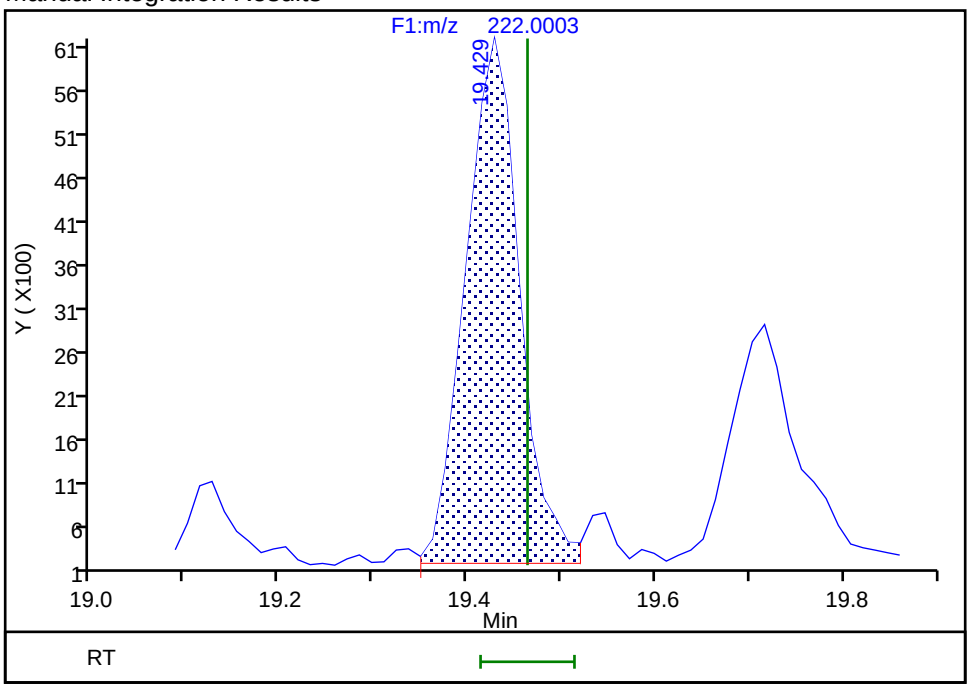
Processing Integration Results

RT: 19.43
Area: 25013
Amount: 1.227859
Amount Units: pg/ul




Manual Integration Results

RT: 19.43
Area: 23625
Amount: 1.146820
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:39:12

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

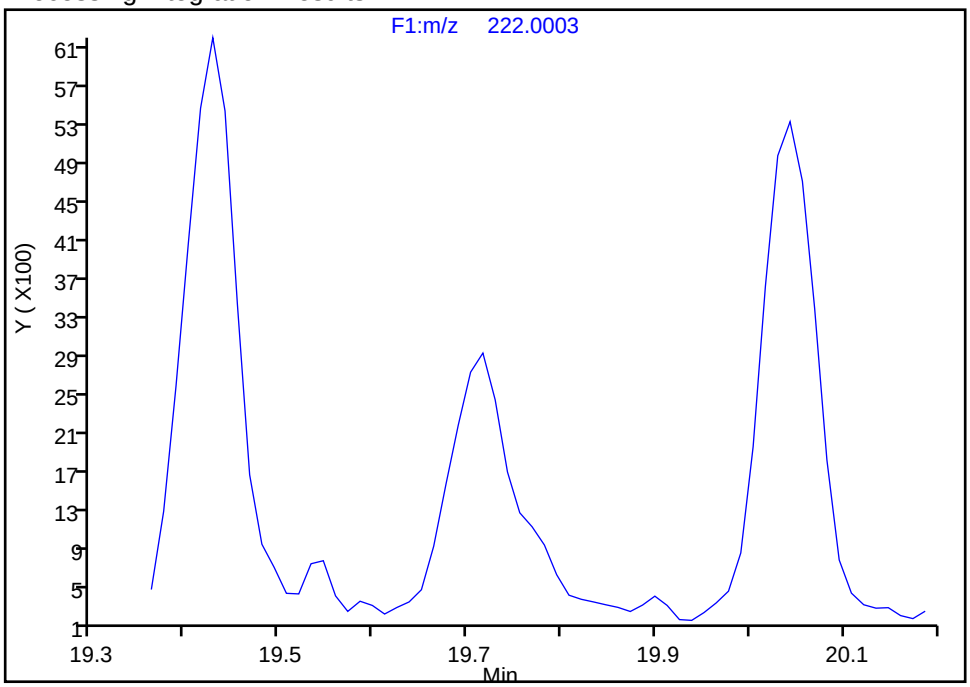
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

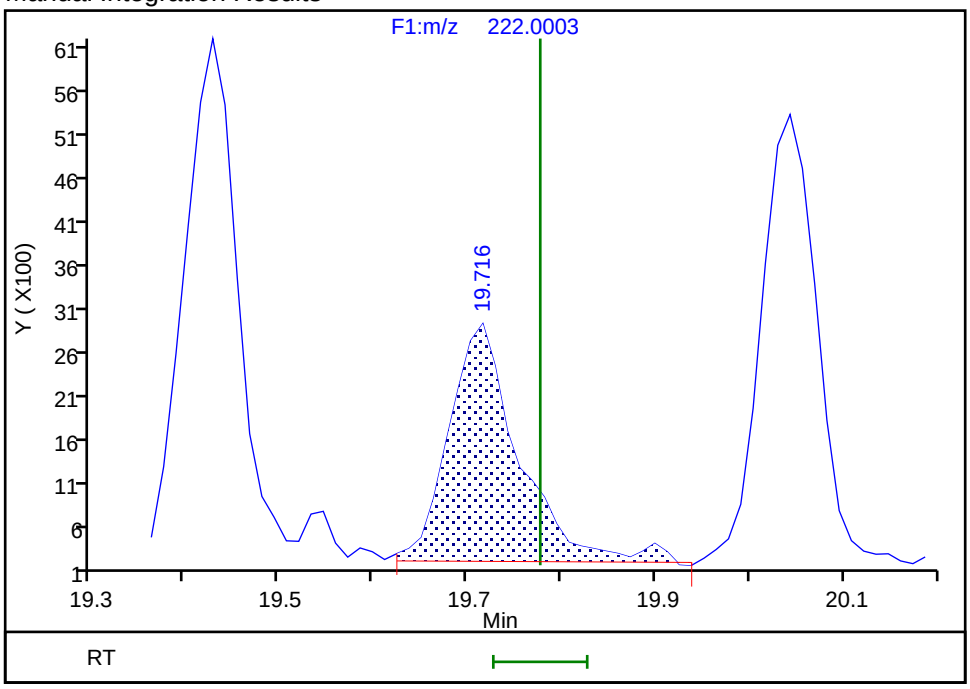
Not Detected
Expected RT: 19.78

Processing Integration Results




Manual Integration Results

RT: 19.72
Area: 13925
Amount: 0.706770
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:39:30
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

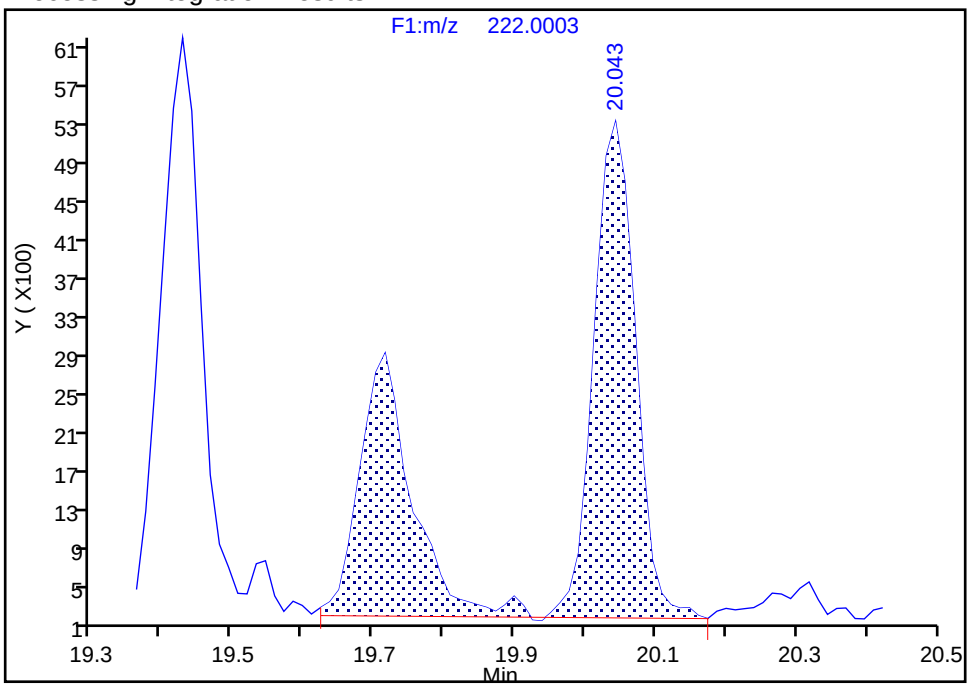
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 1

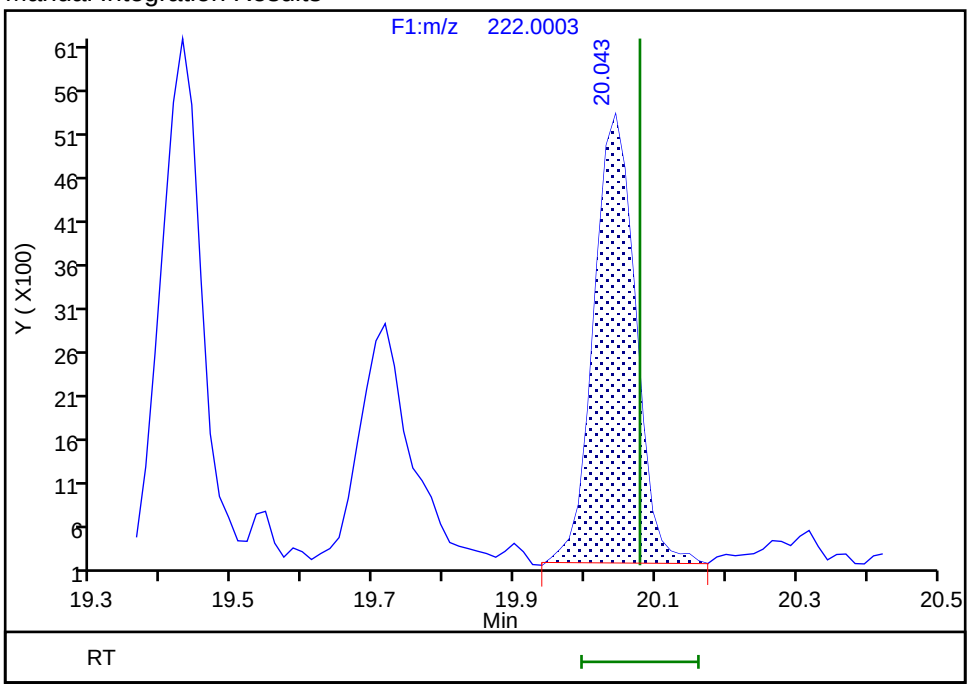
Processing Integration Results

RT: 20.04
Area: 34825
Amount: 1.364772
Amount Units: pg/ul




Manual Integration Results

RT: 20.04
Area: 20888
Amount: 0.967587
Amount Units: pg/ul



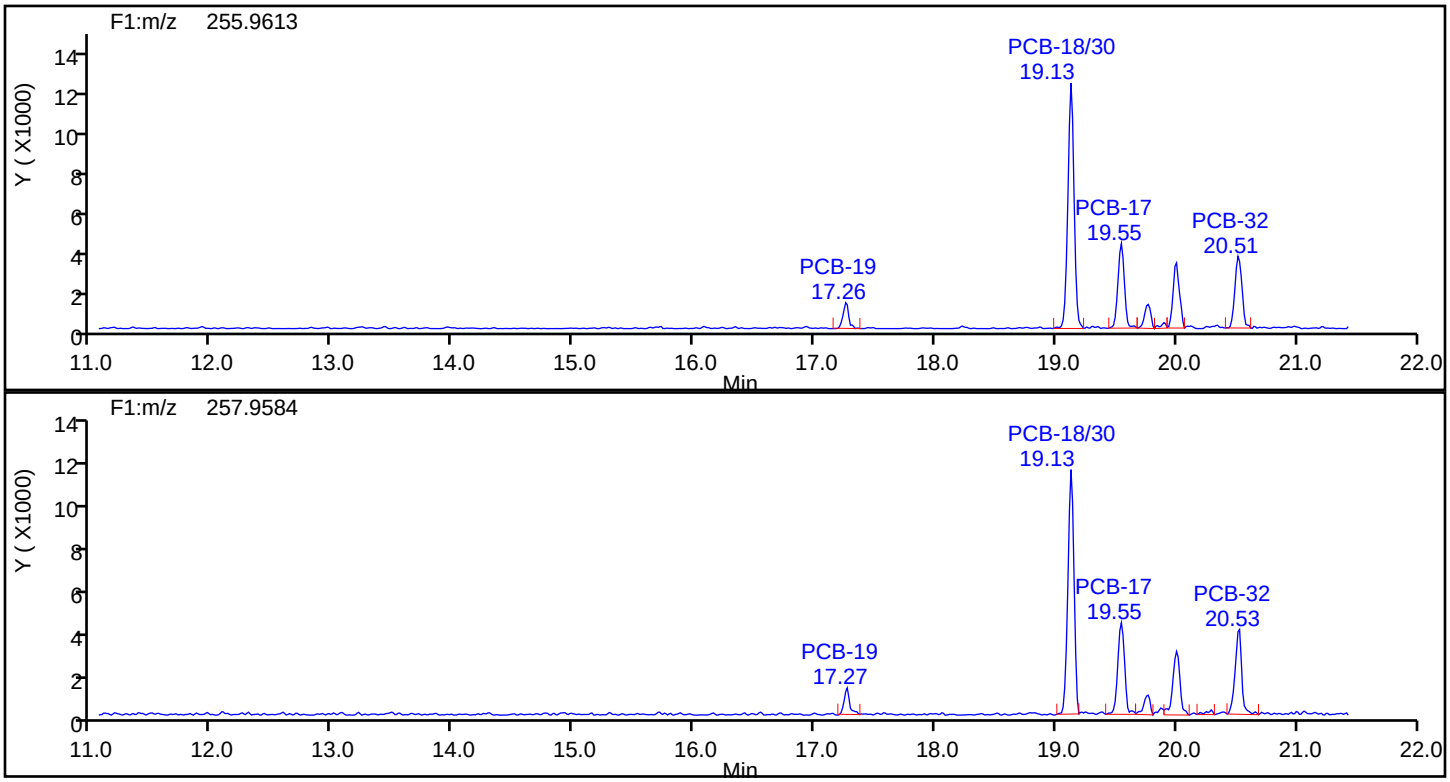

Reviewer: davidsonm, 10-Oct-2019 09:39:22

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

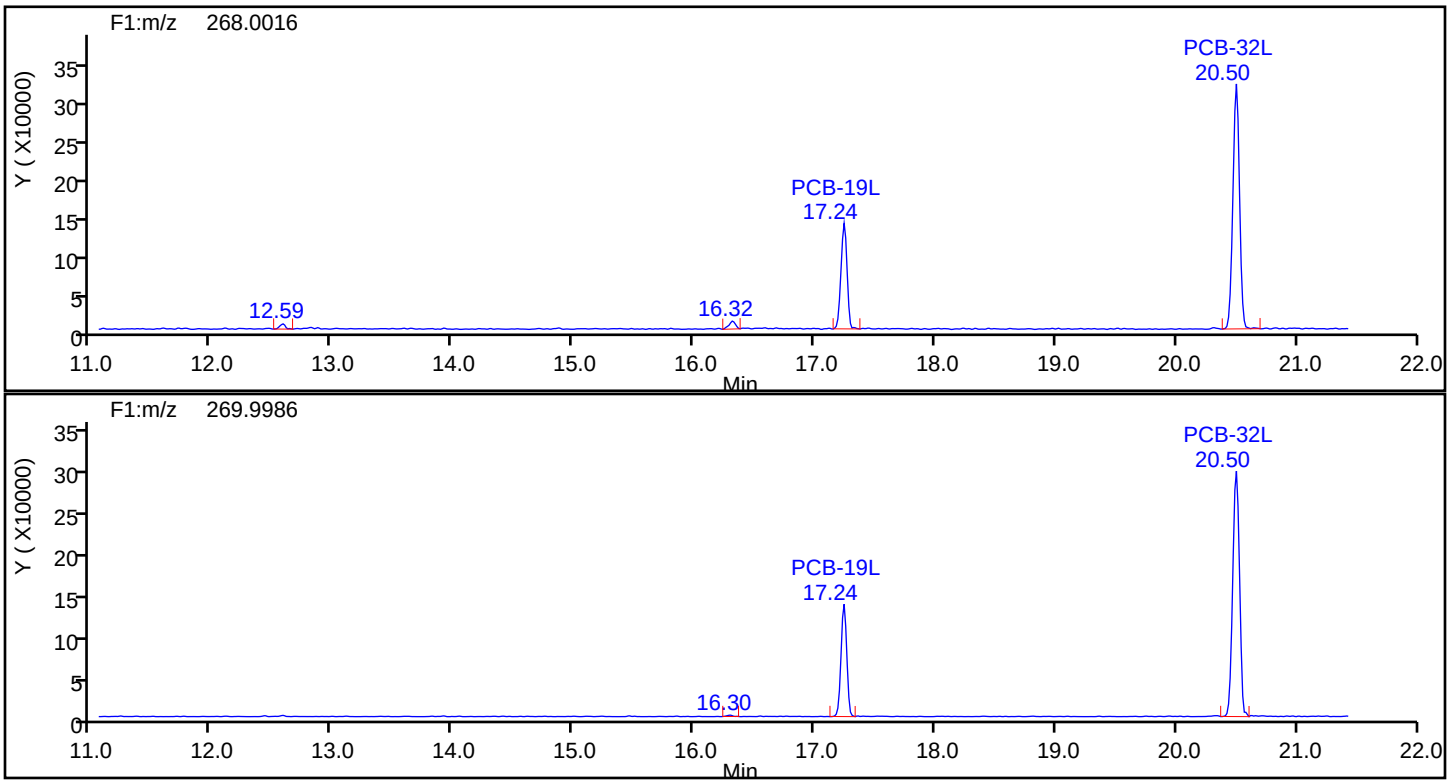
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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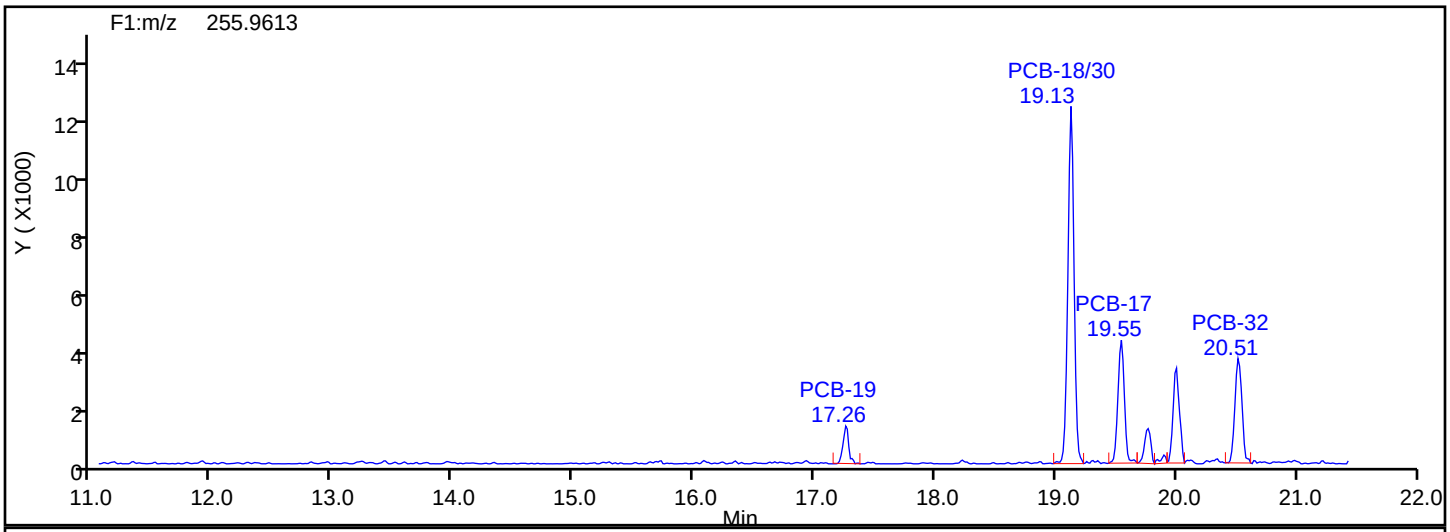
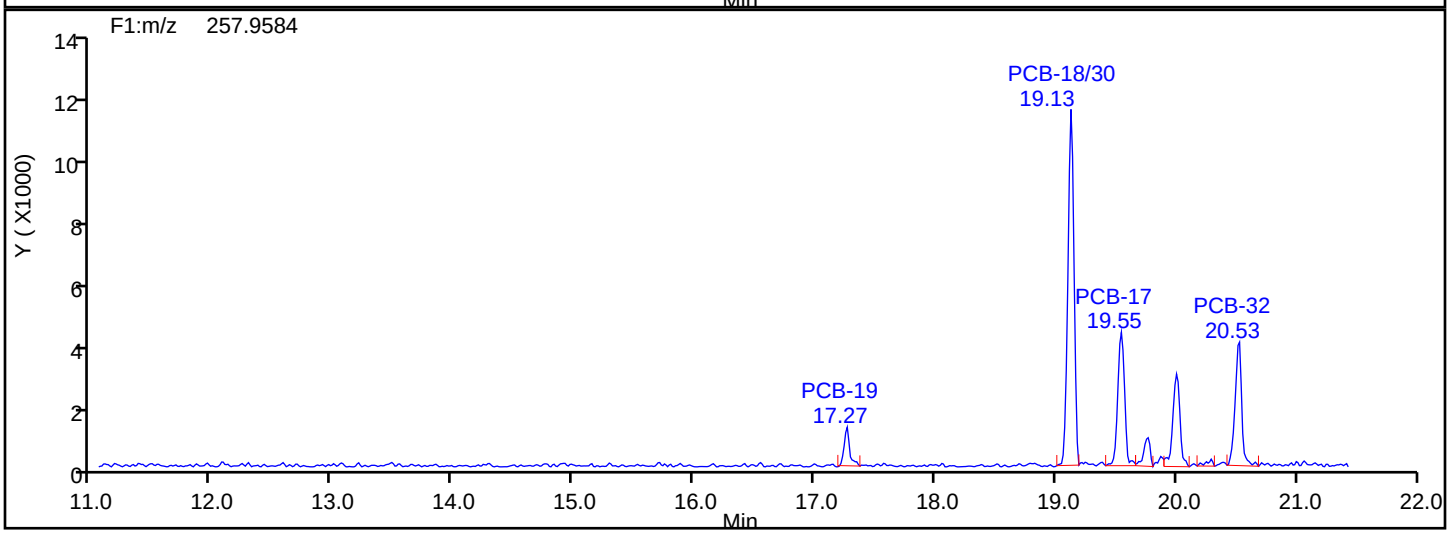
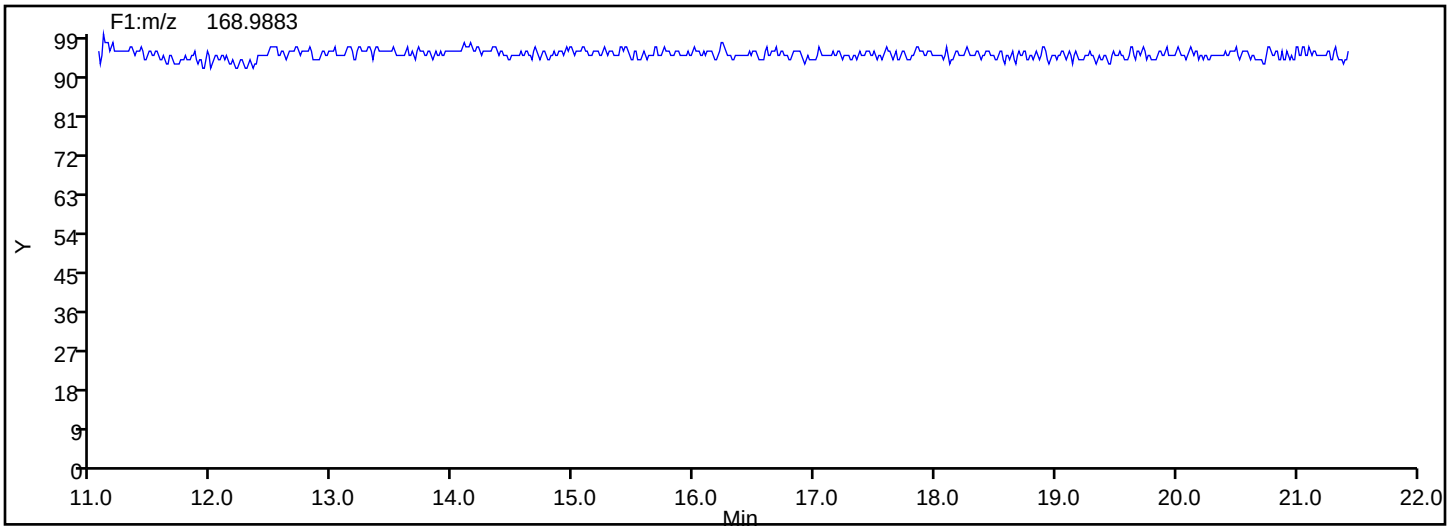
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



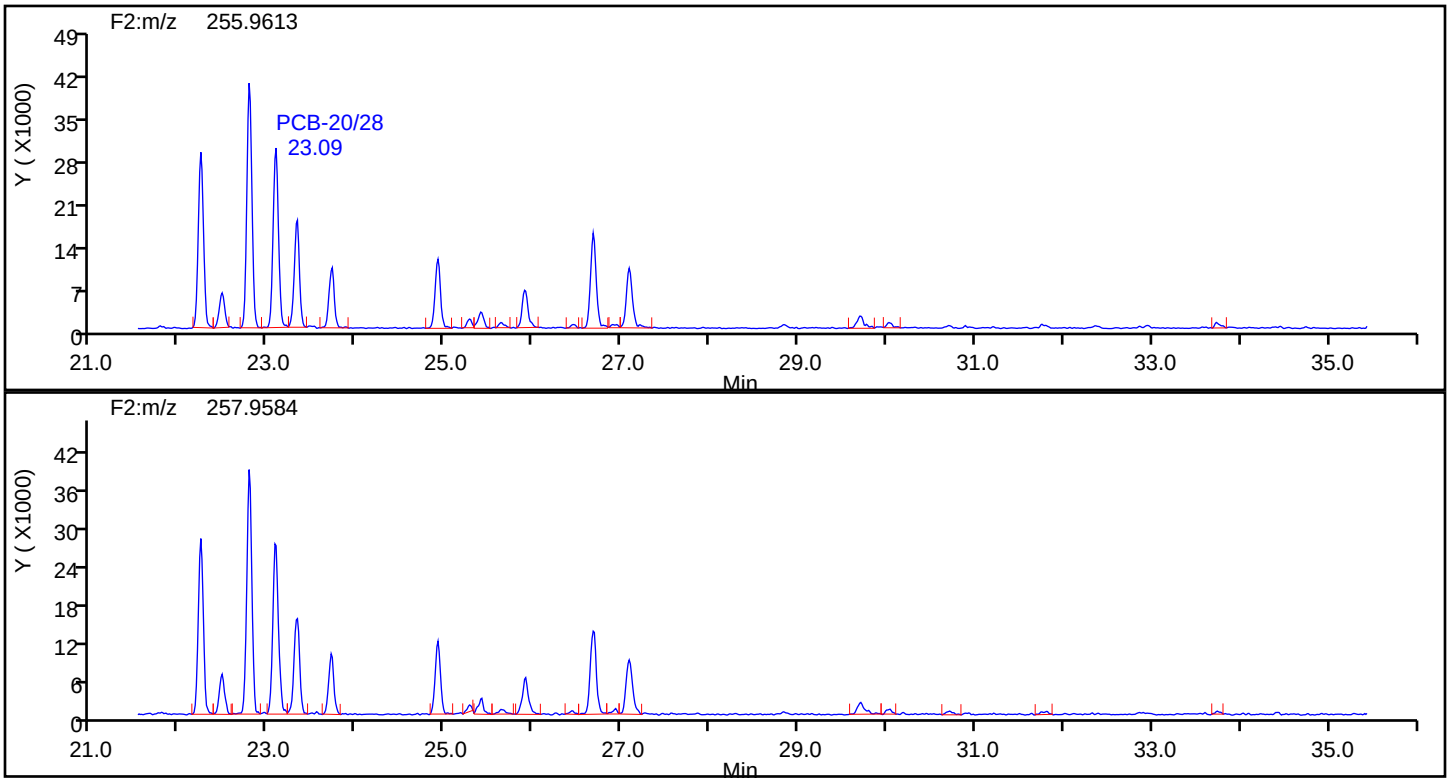

TriPCB F1 Lock Mass



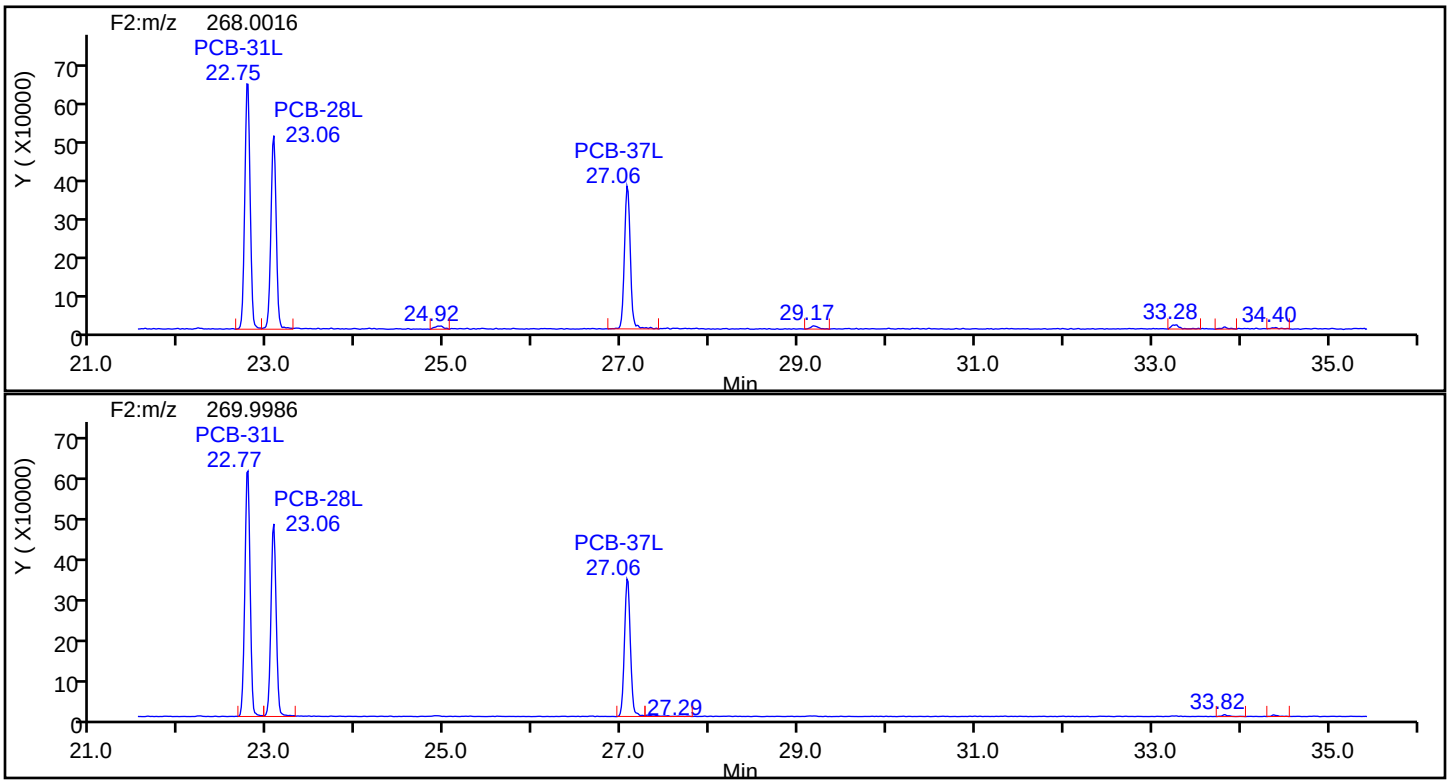
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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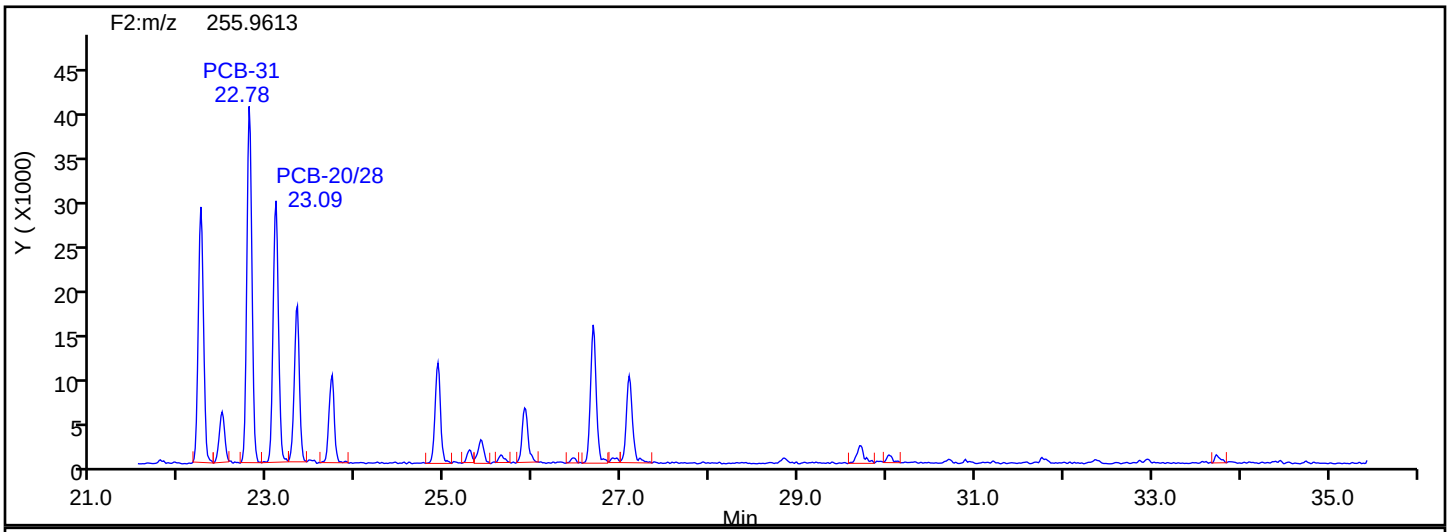
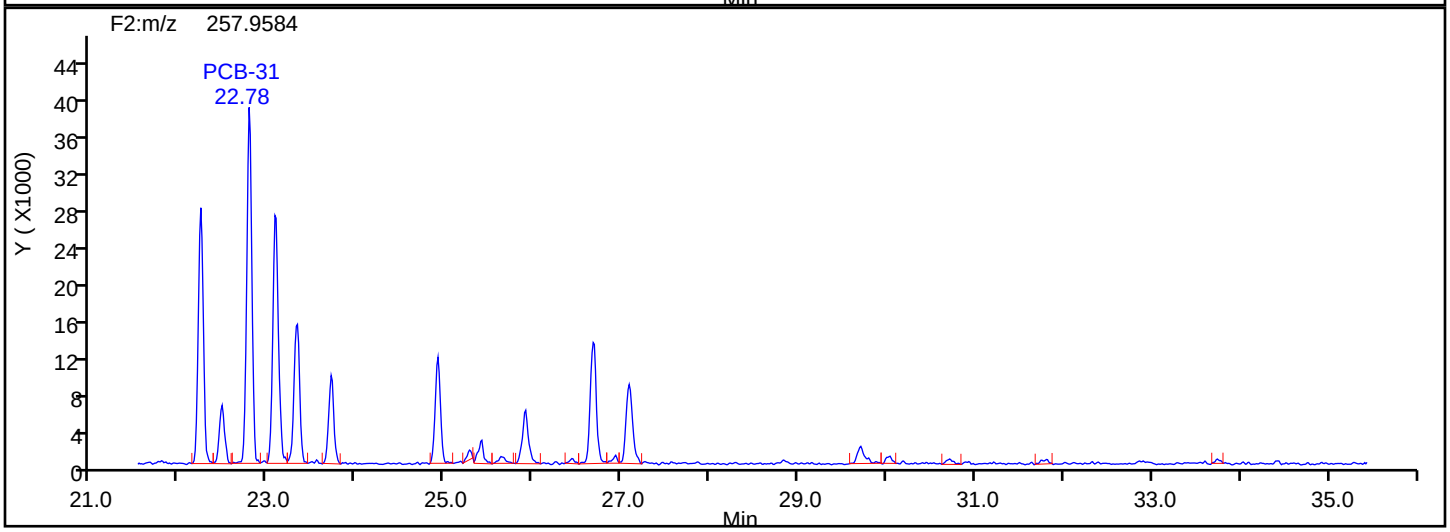
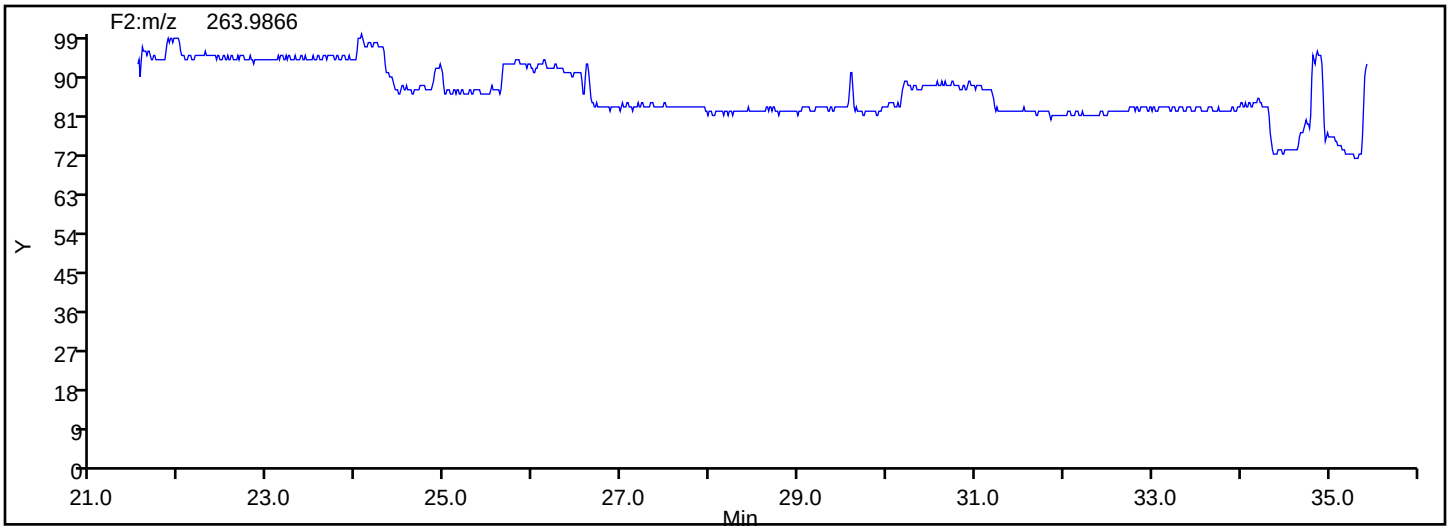
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



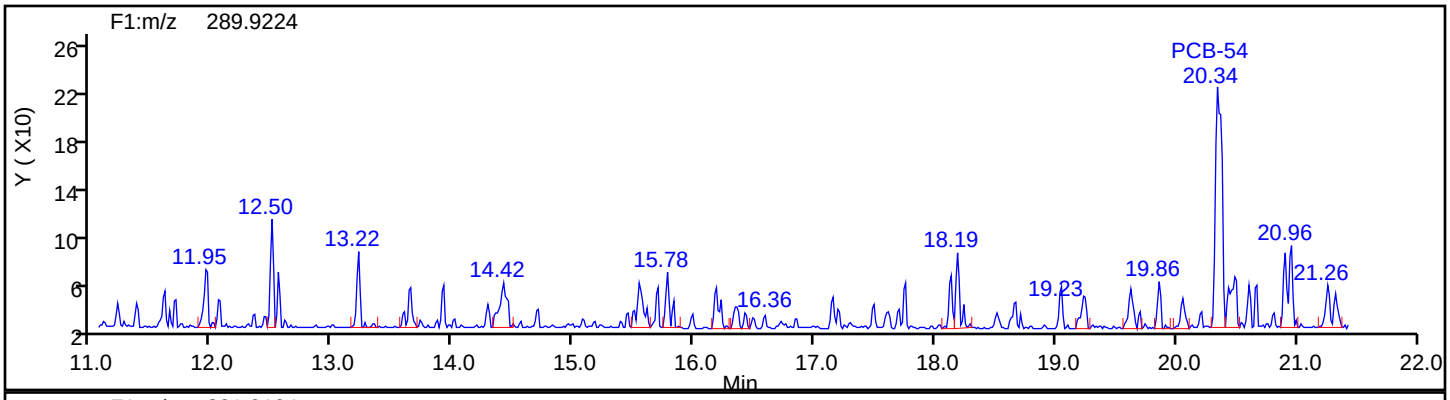

TriPCB F2 Lock Mass

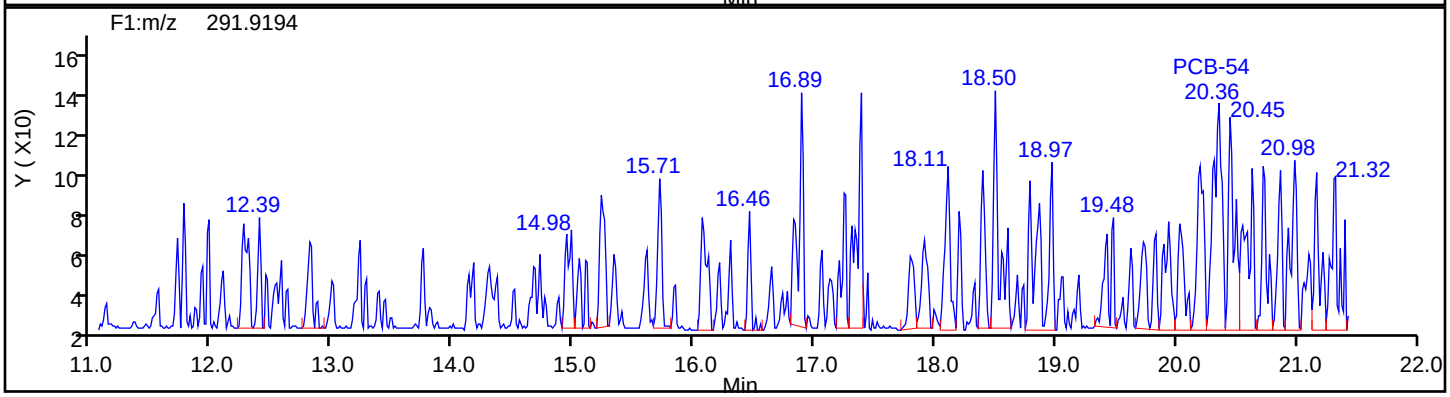


Eurofins TestAmerica, Knoxville

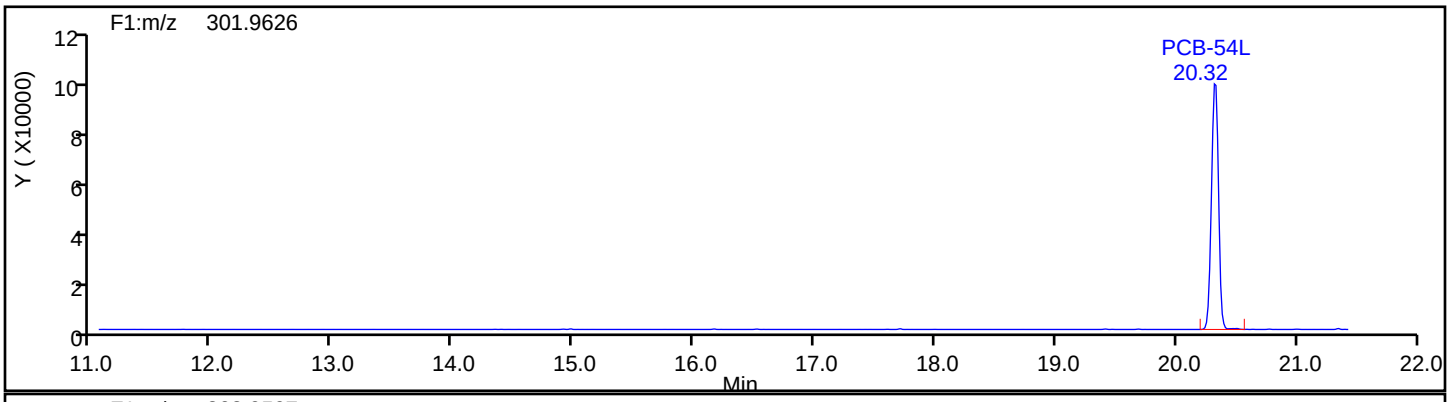
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

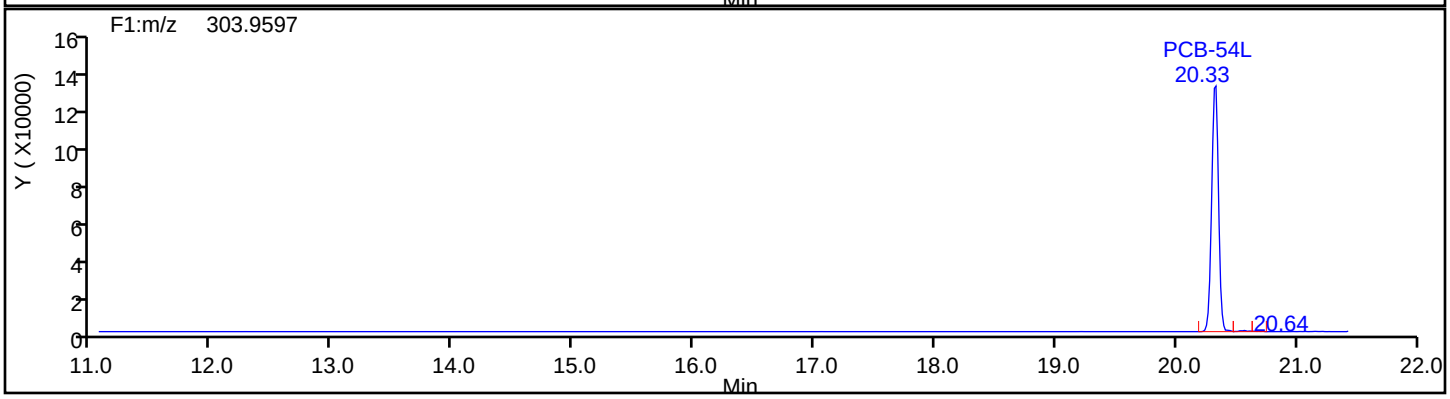
TePCB F1




TePCB F1 Standards

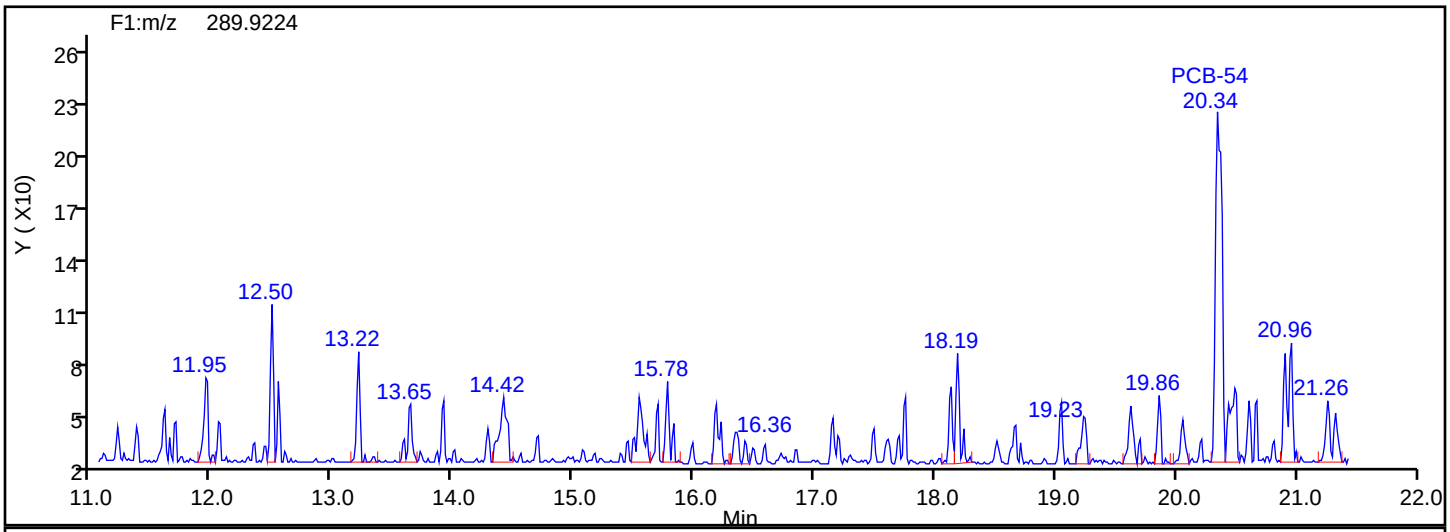


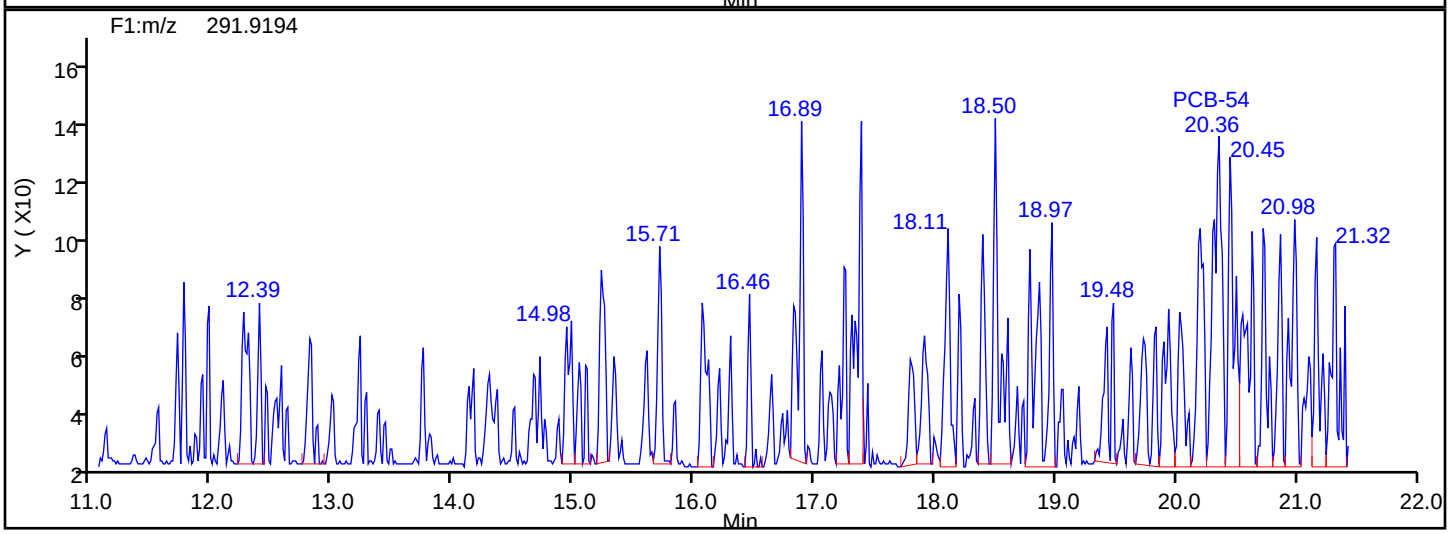



Eurofins TestAmerica, Knoxville

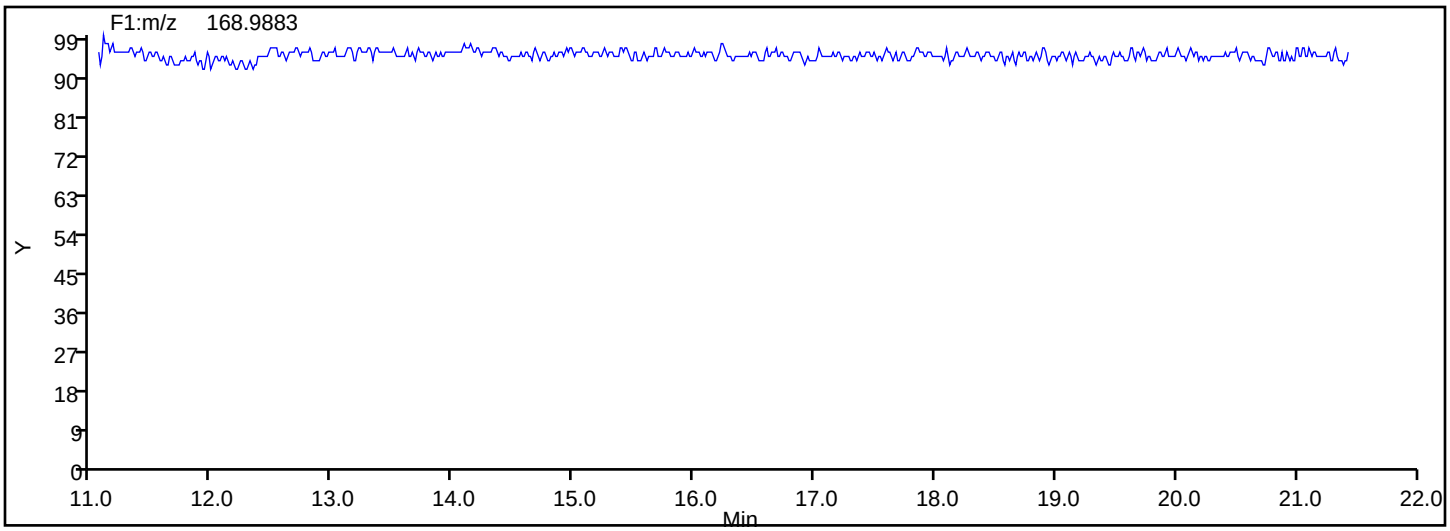
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



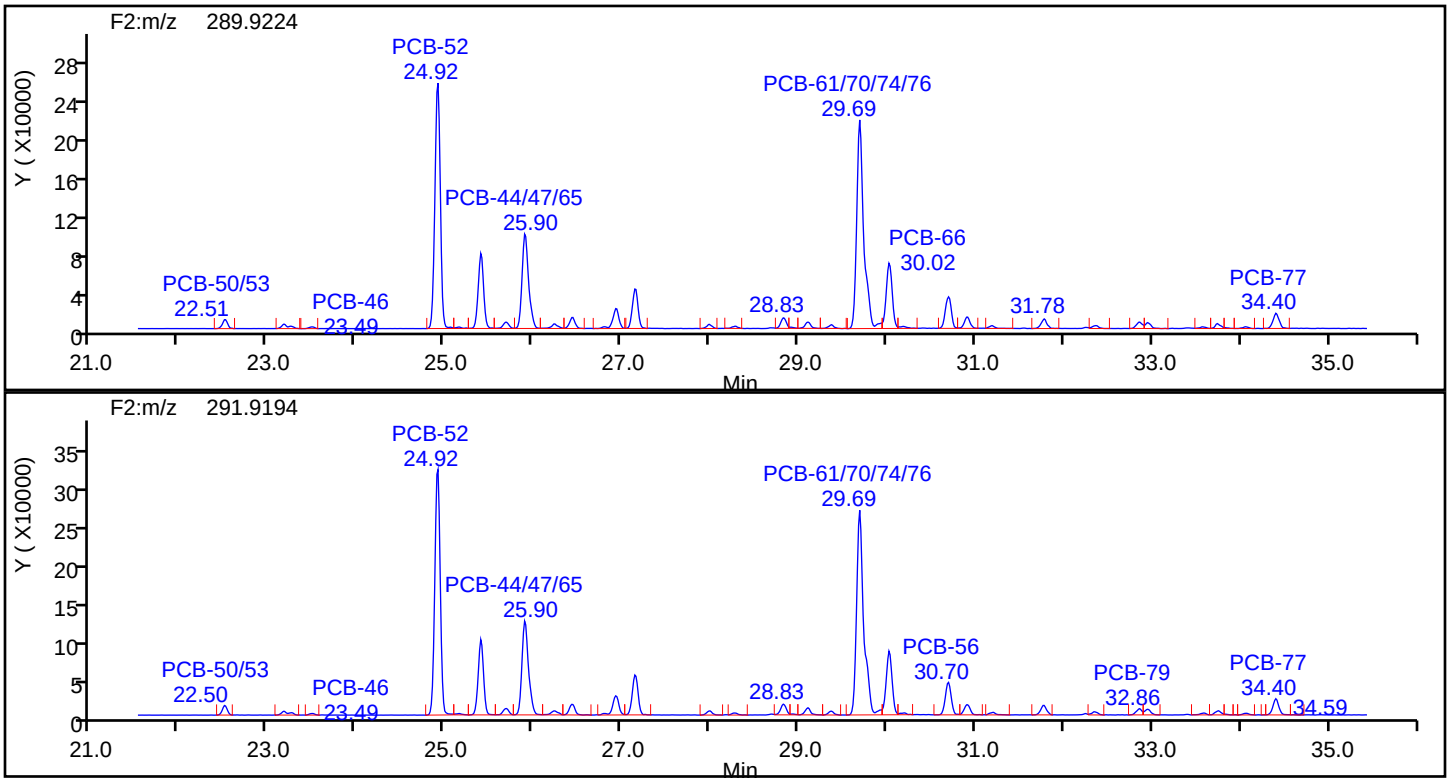

TePCB F1 Lock Mass



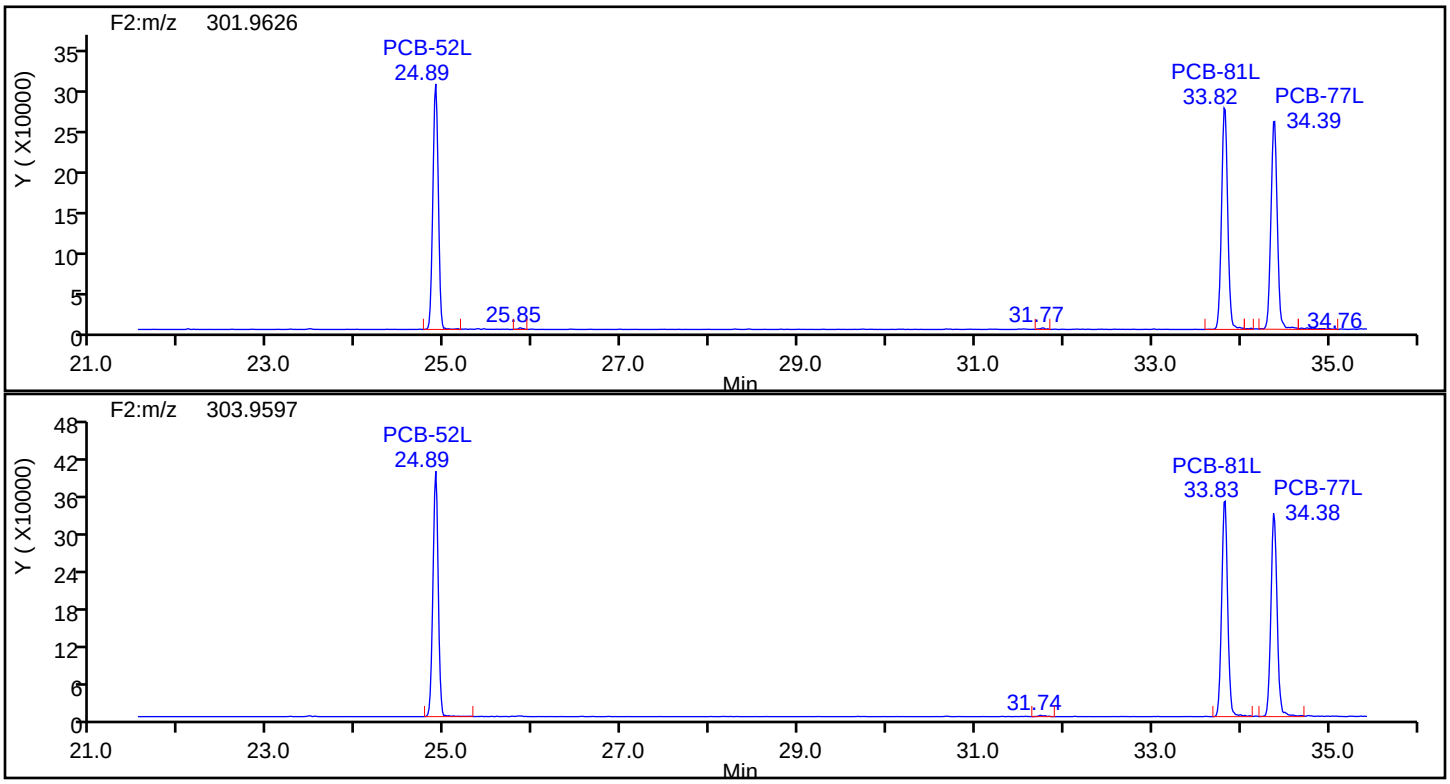
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



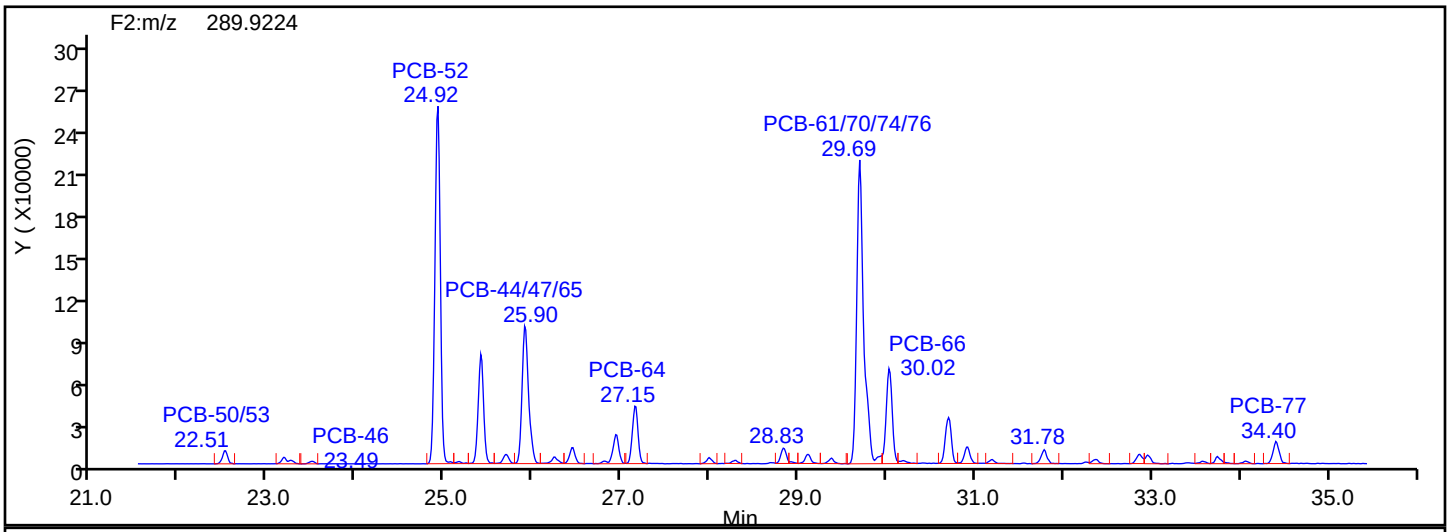

TePCB F2 Standards

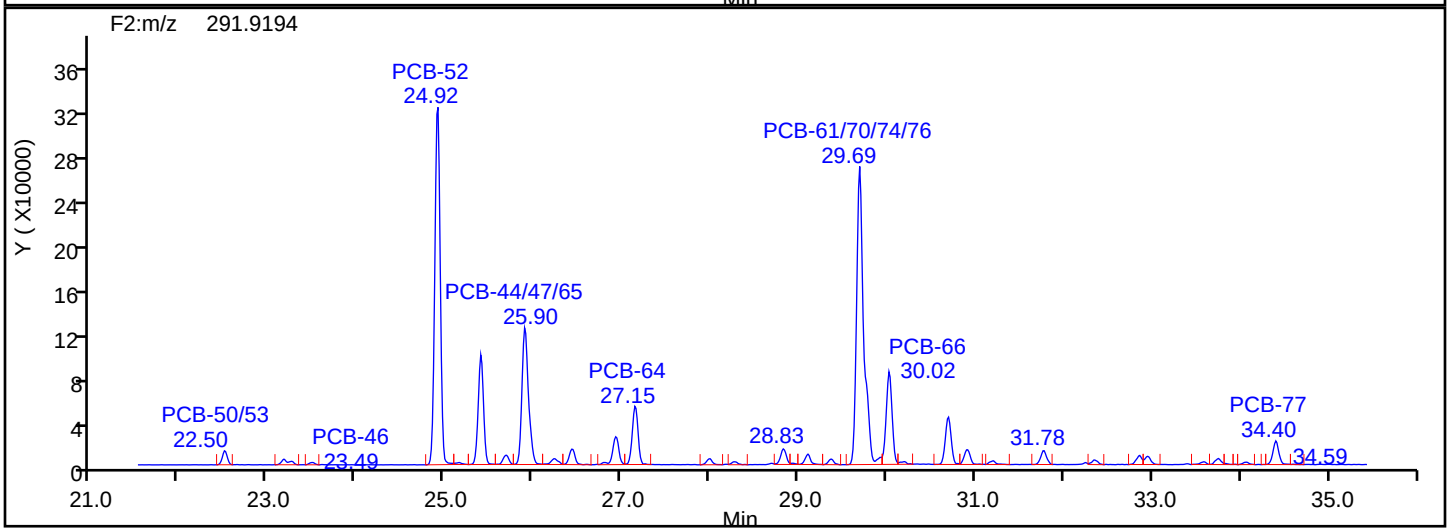


Eurofins TestAmerica, Knoxville

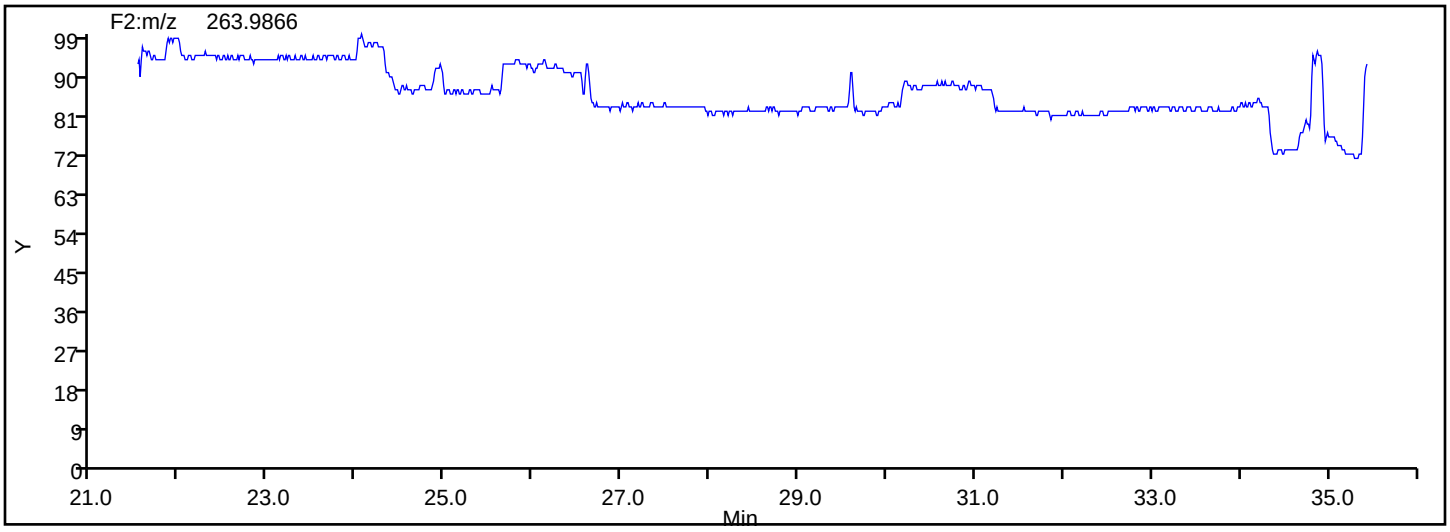
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

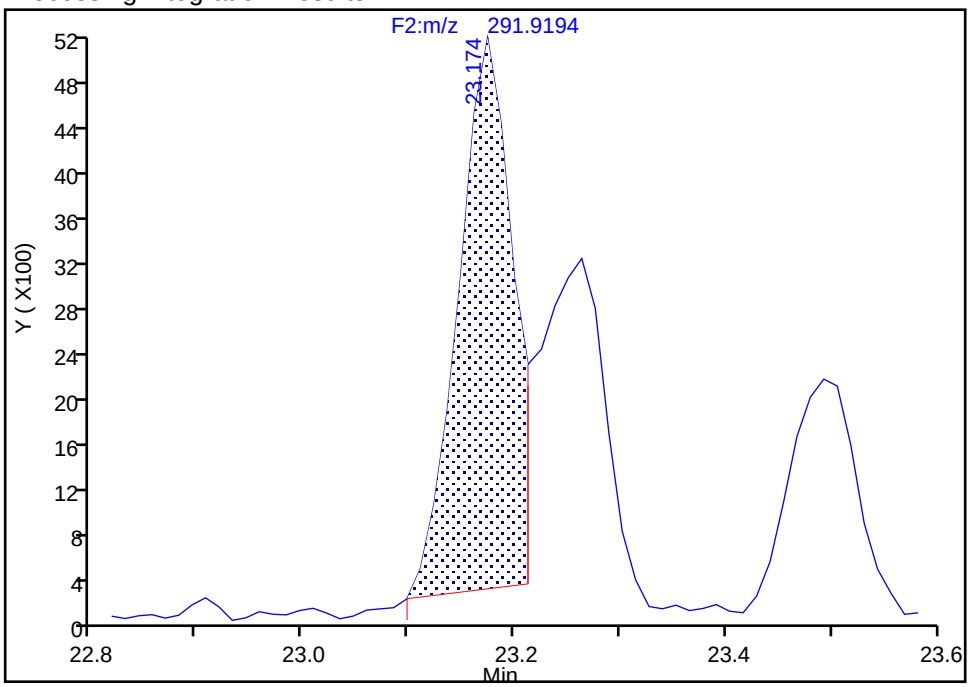
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

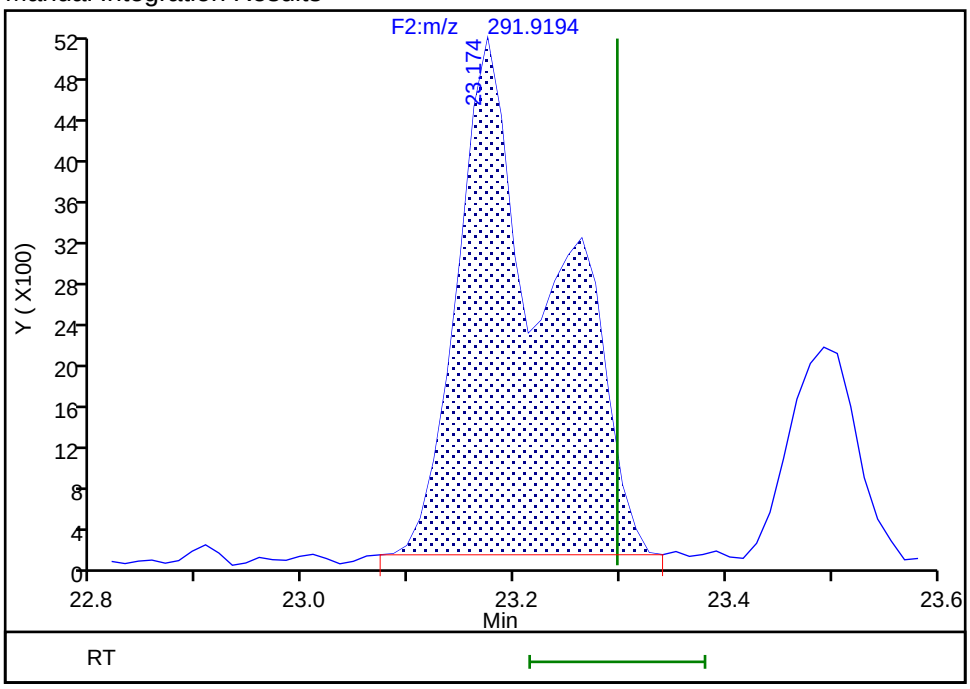
Processing Integration Results

RT: 23.17
Area: 16940
Amount: 1.679031
Amount Units: pg/ul




Manual Integration Results

RT: 23.17
Area: 31115
Amount: 2.217292
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:48:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

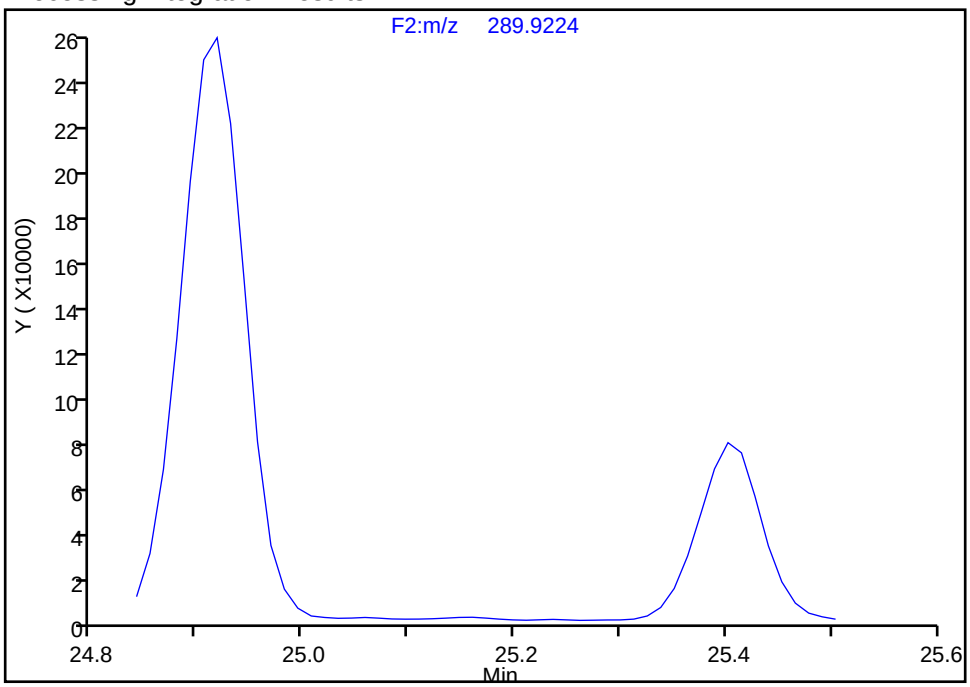
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

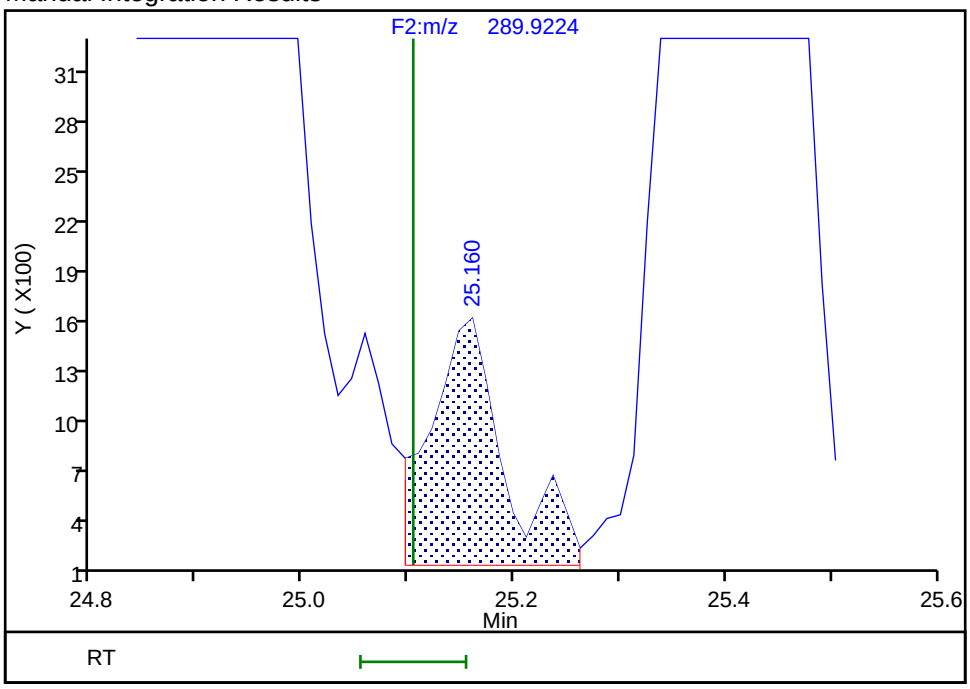
Not Detected
Expected RT: 25.10

Processing Integration Results




Manual Integration Results

RT: 25.16
Area: 6900
Amount: 0.533991
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:48:27
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

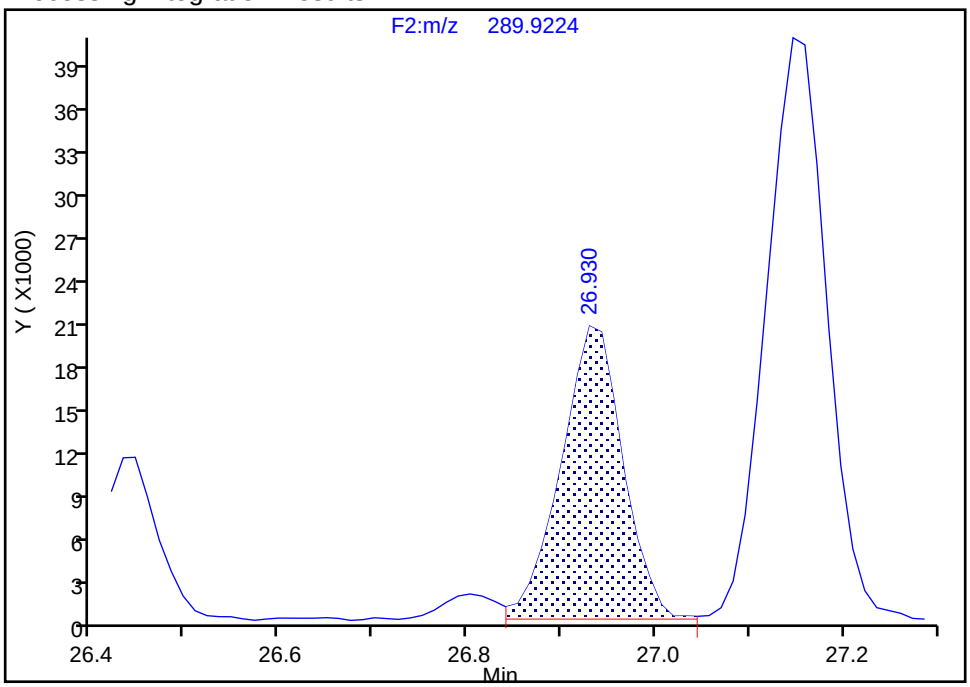
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

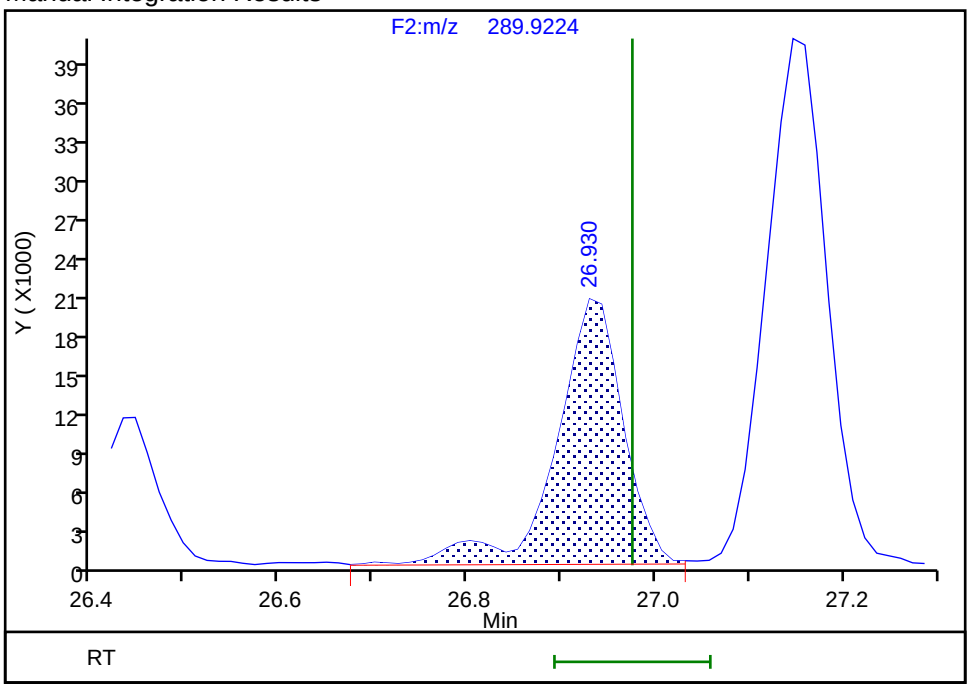
Processing Integration Results

RT: 26.93
Area: 93182
Amount: 7.653049
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 101545
Amount: 8.293076
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:48:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

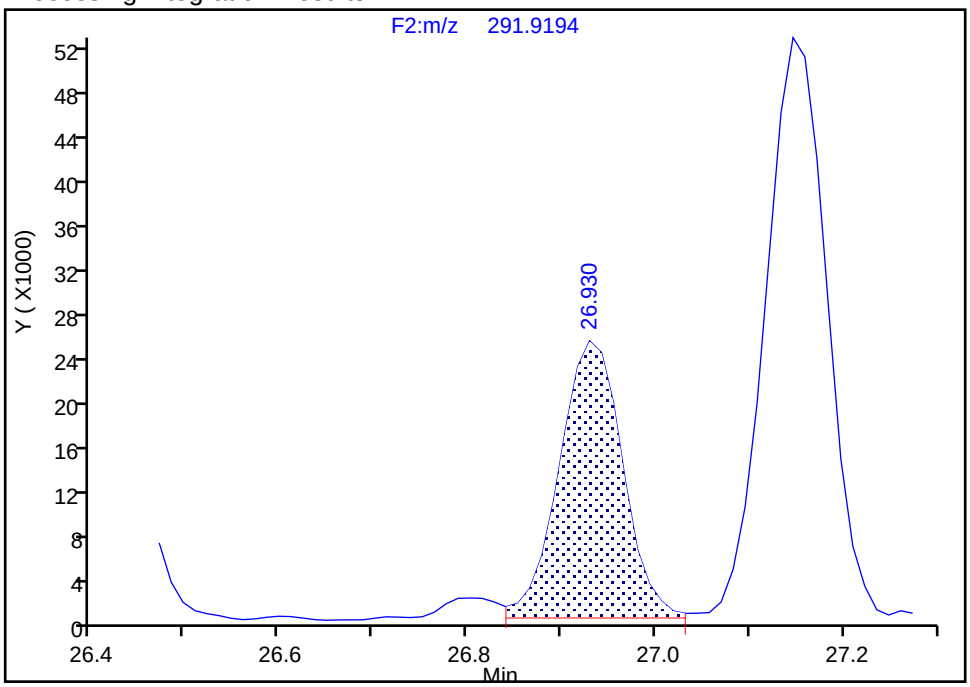
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

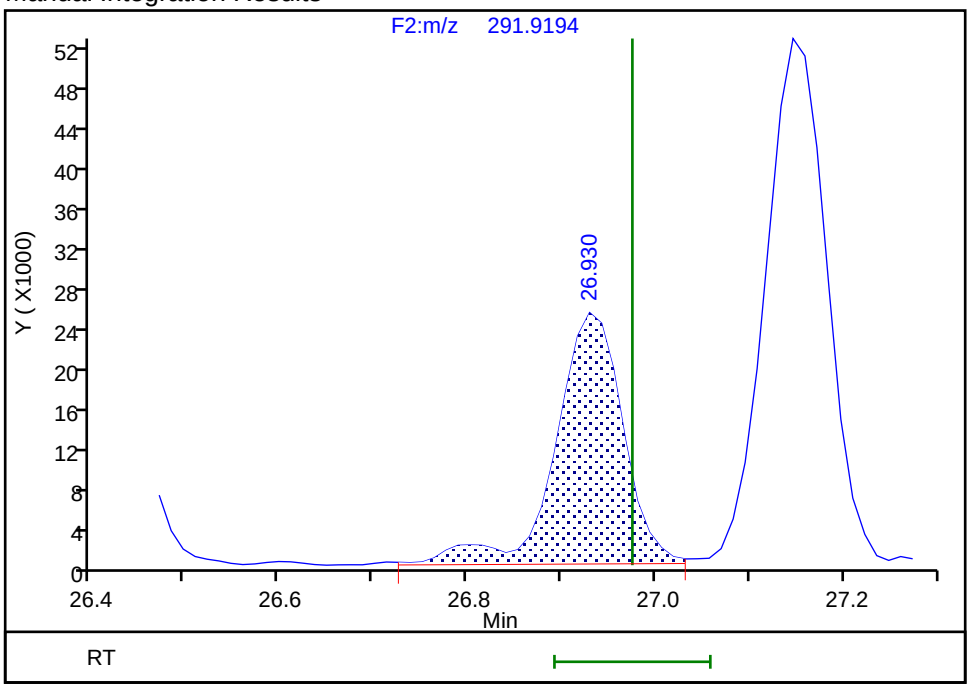
Processing Integration Results

RT: 26.93
Area: 115845
Amount: 7.653049
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 124963
Amount: 8.293076
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:48:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

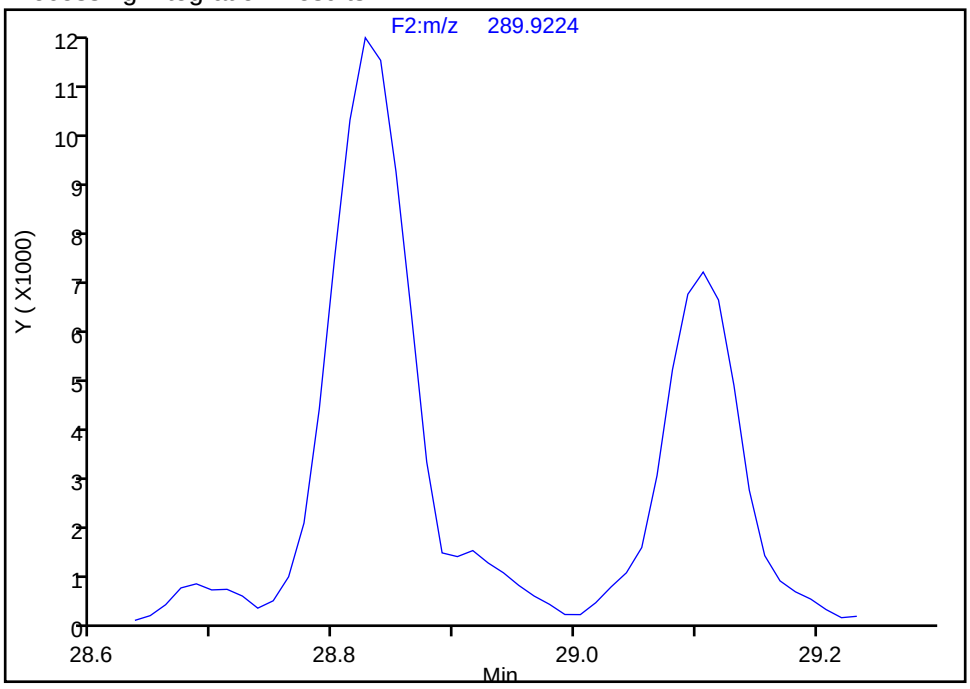
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

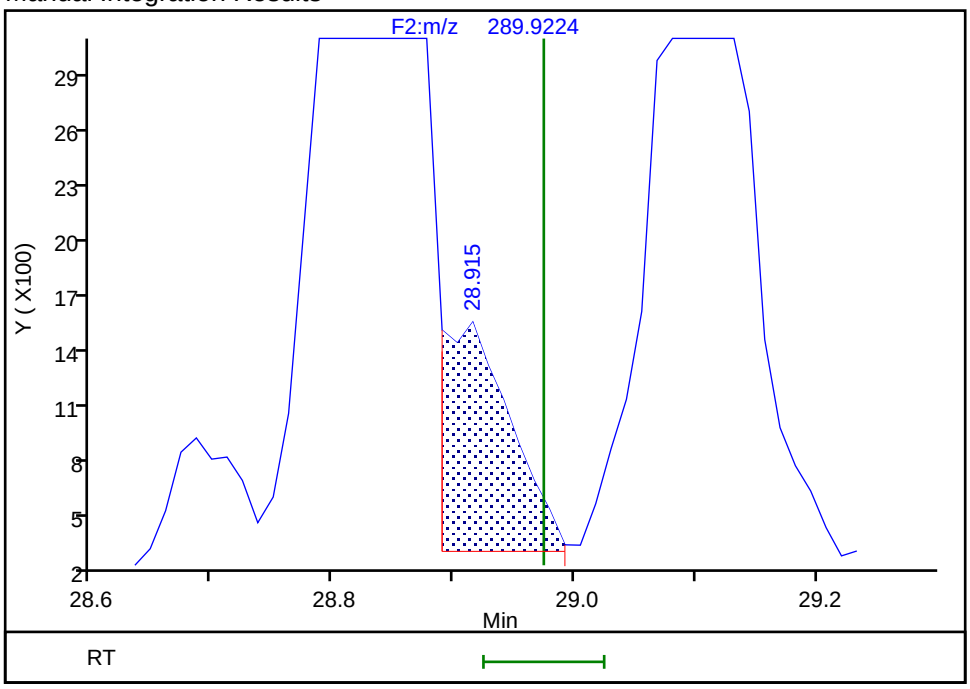
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 28.92
Area: 4516
Amount: 0.225263
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:49:15
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

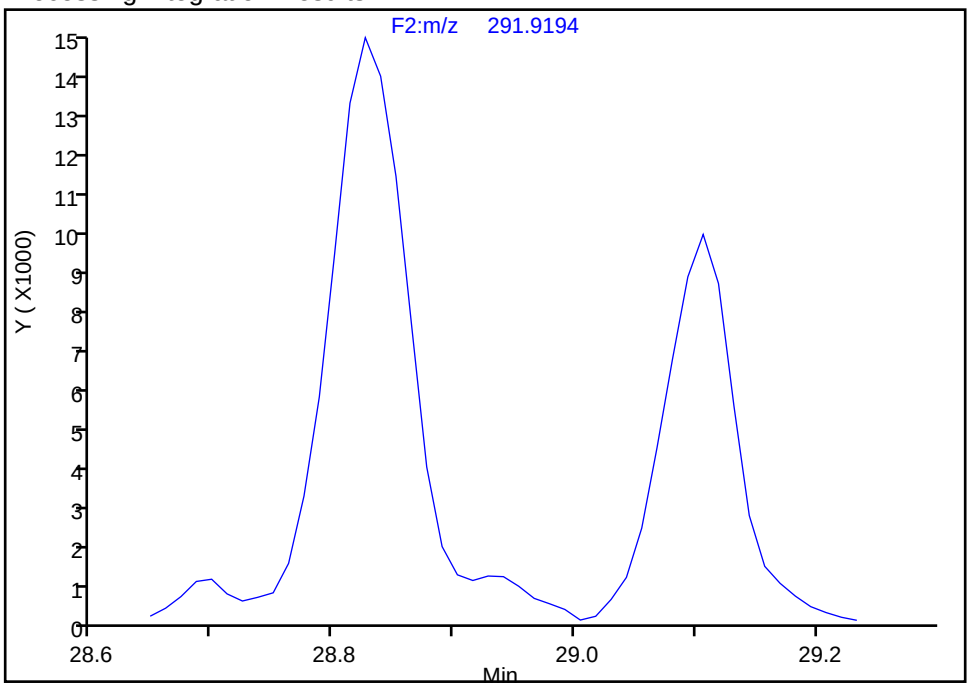
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

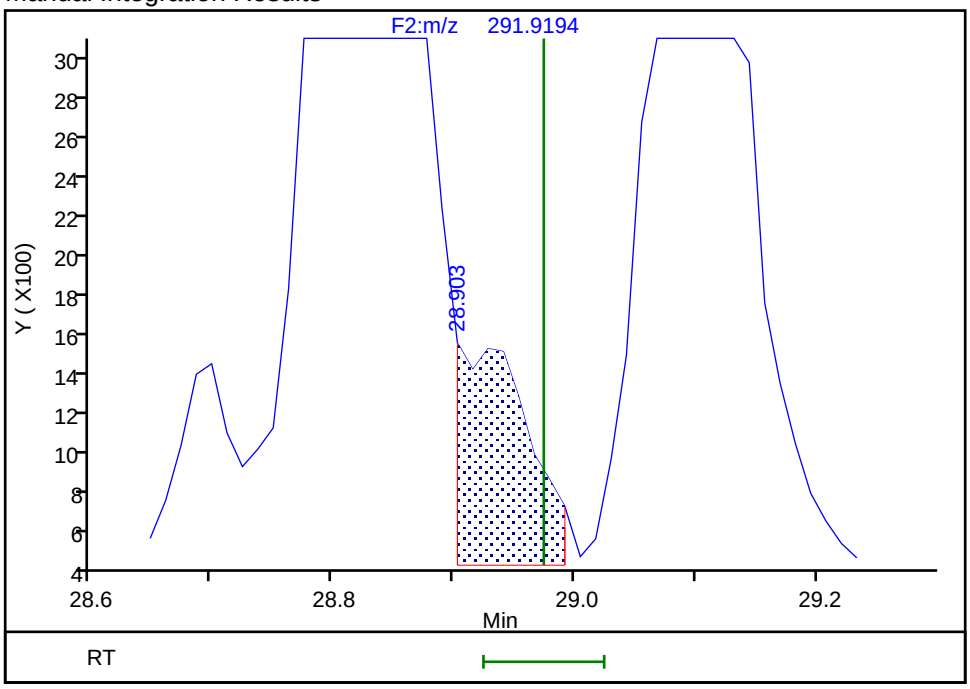
Not Detected
Expected RT: 28.97

Processing Integration Results




Manual Integration Results

RT: 28.90
Area: 4341
Amount: 0.225263
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:49:18
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

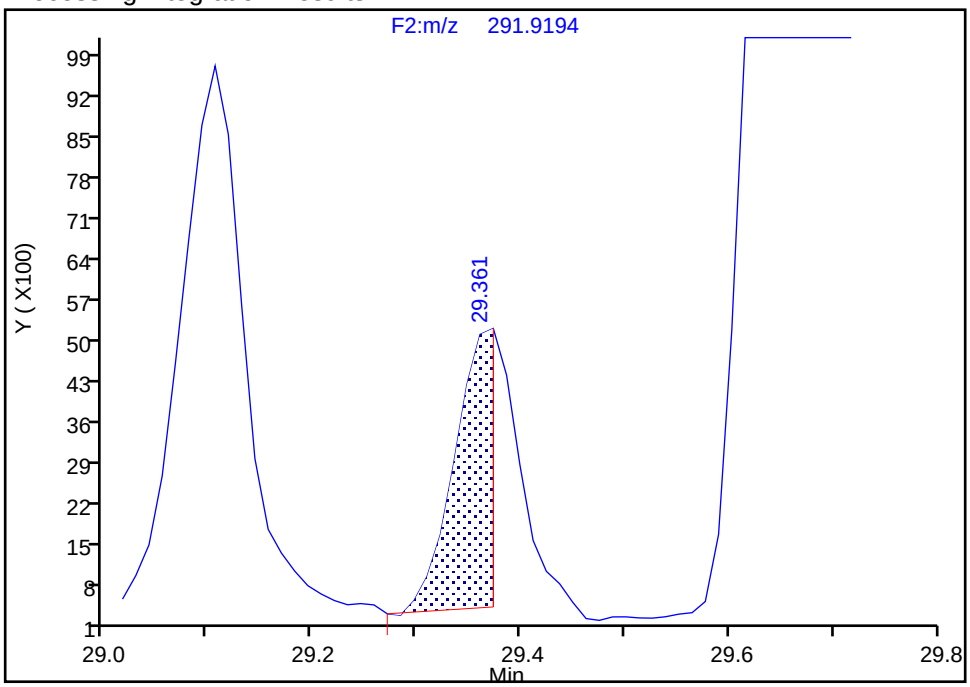
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-63, CAS: 74472-34-7

Signal: 2

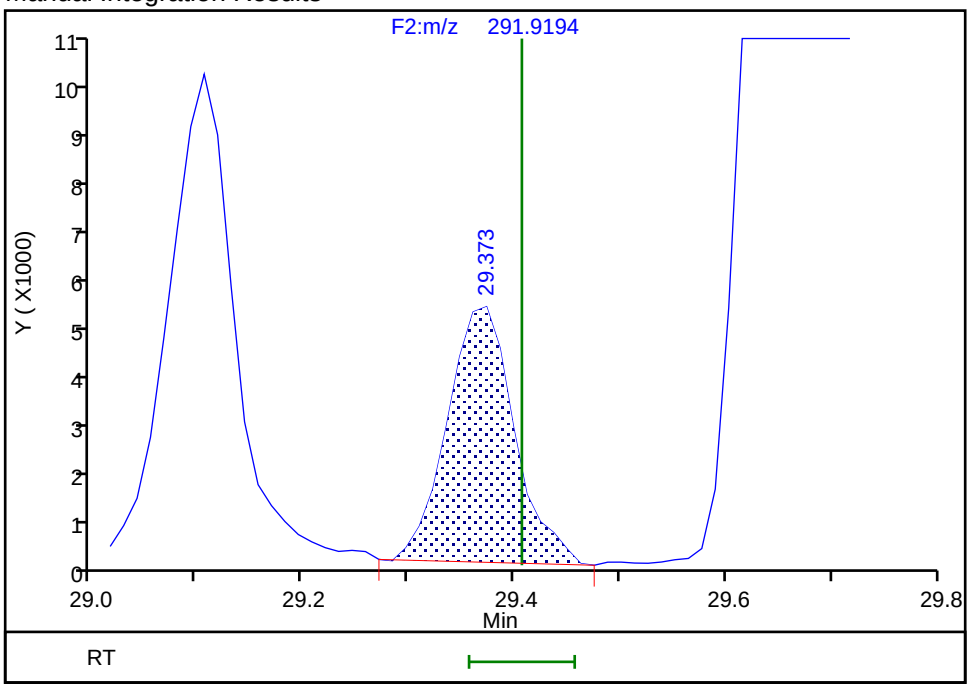
Processing Integration Results

RT: 29.36
Area: 11724
Amount: 0.628305
Amount Units: pg/ul




Manual Integration Results

RT: 29.37
Area: 21616
Amount: 0.854690
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:49:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

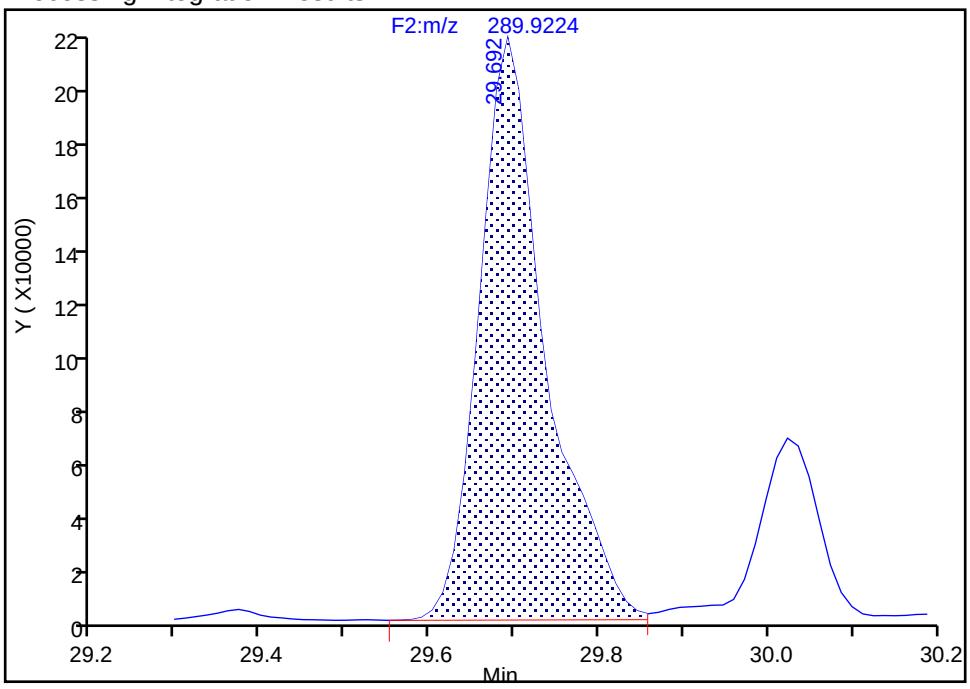
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 1

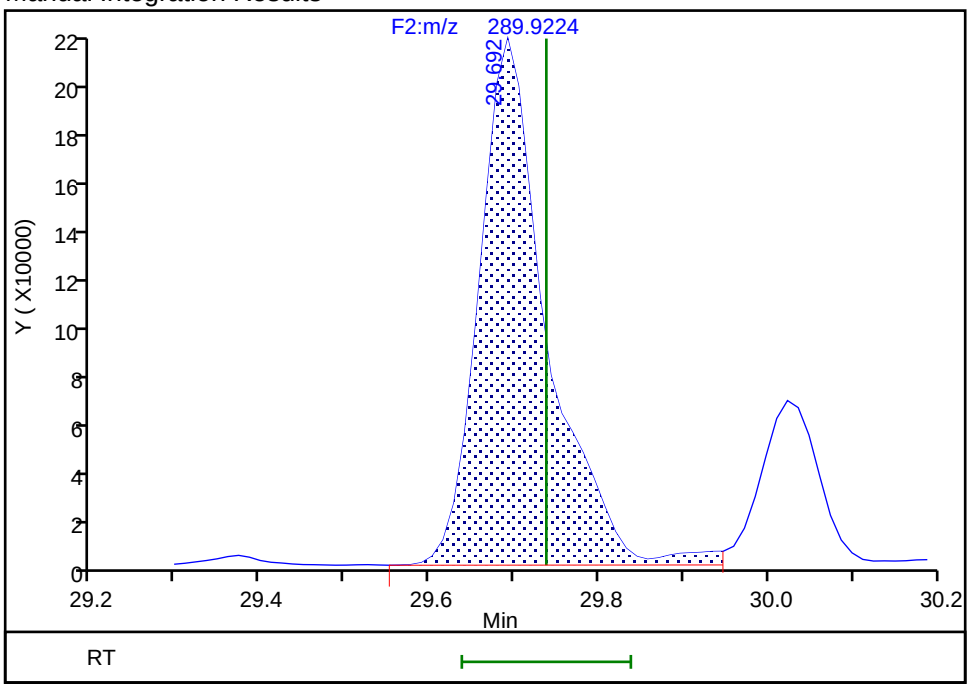
Processing Integration Results

RT: 29.69
Area: 1167441
Amount: 65.528378
Amount Units: pg/ul




Manual Integration Results

RT: 29.69
Area: 1192385
Amount: 66.789403
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:50:13

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

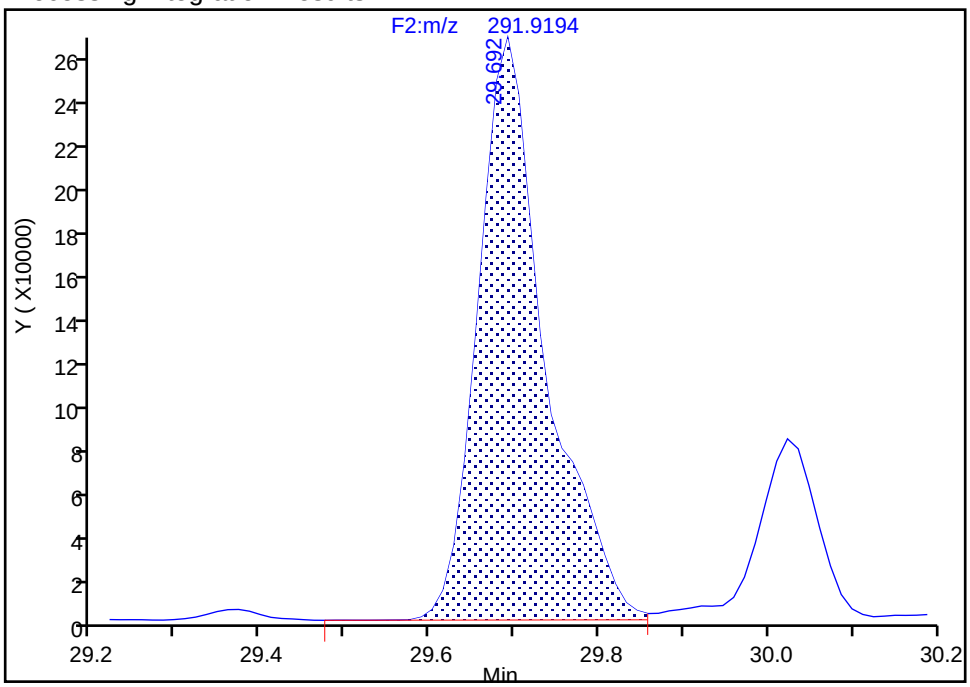
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 2

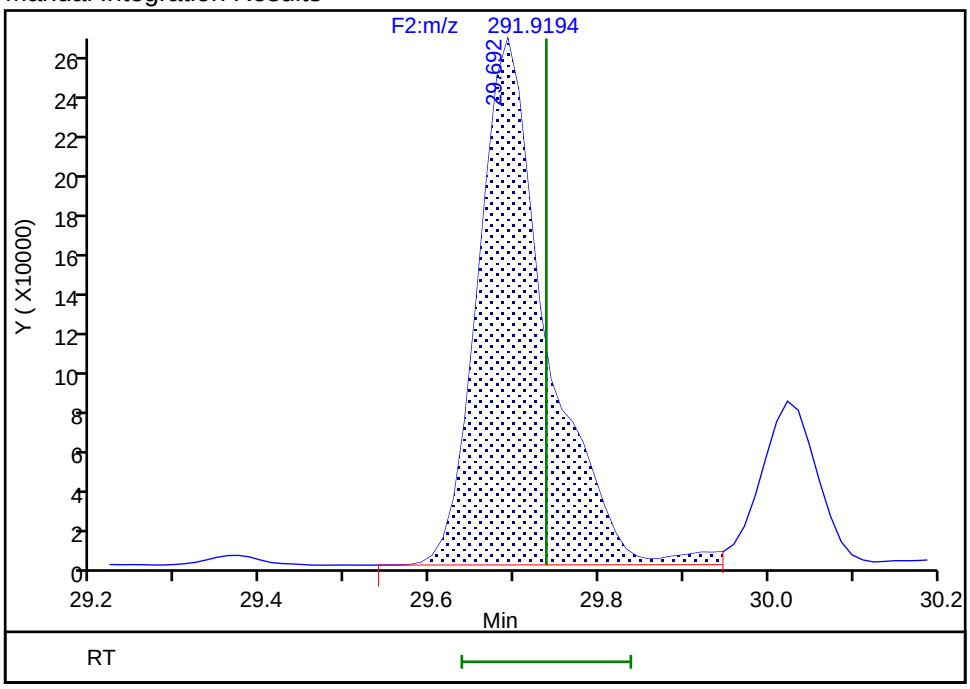
Processing Integration Results

RT: 29.69
Area: 1477598
Amount: 65.528378
Amount Units: pg/ul




Manual Integration Results

RT: 29.69
Area: 1503555
Amount: 66.789403
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:50:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

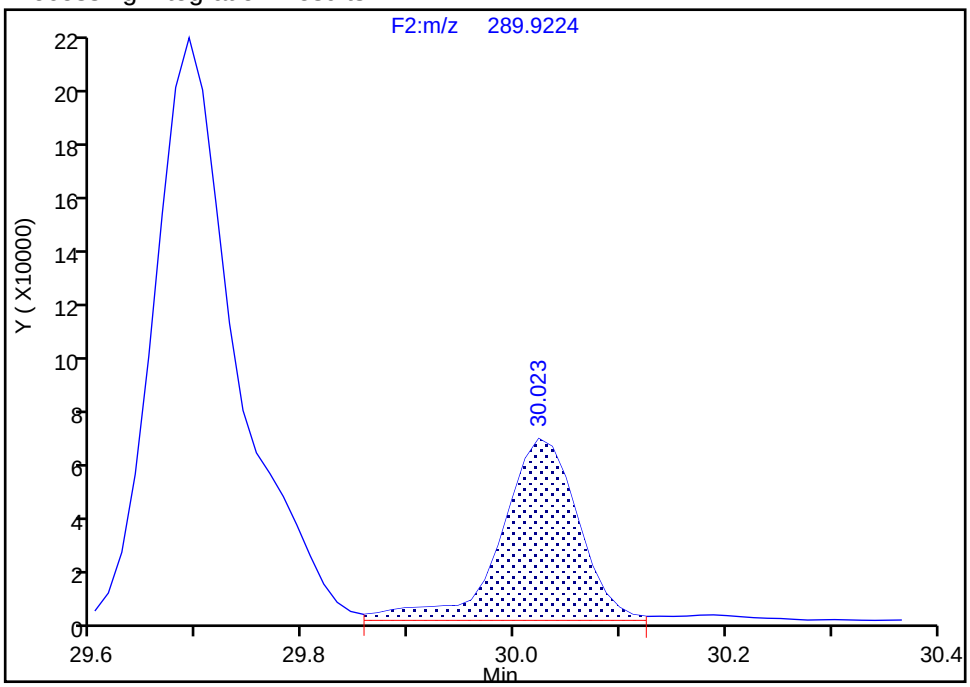
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

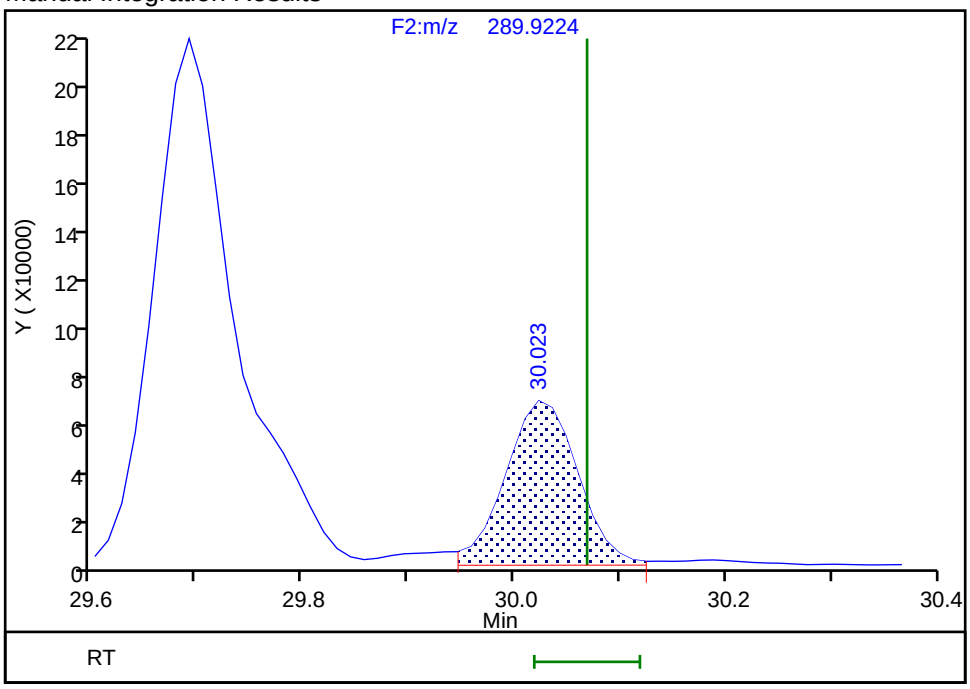
Processing Integration Results

RT: 30.02
Area: 337673
Amount: 19.093459
Amount Units: pg/ul




Manual Integration Results

RT: 30.02
Area: 316108
Amount: 18.377654
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:50:25

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

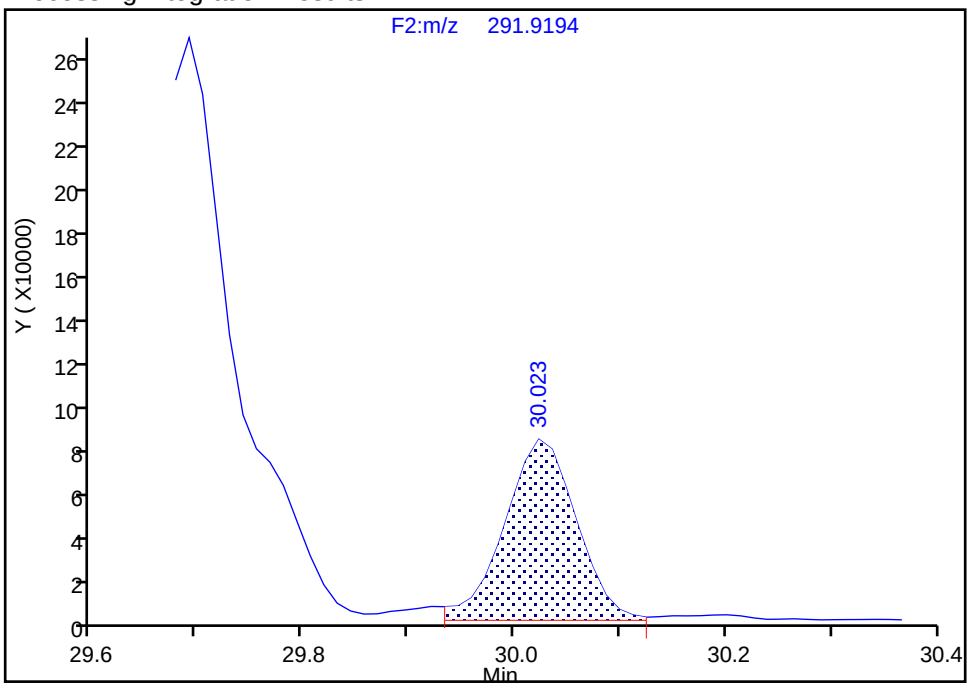
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

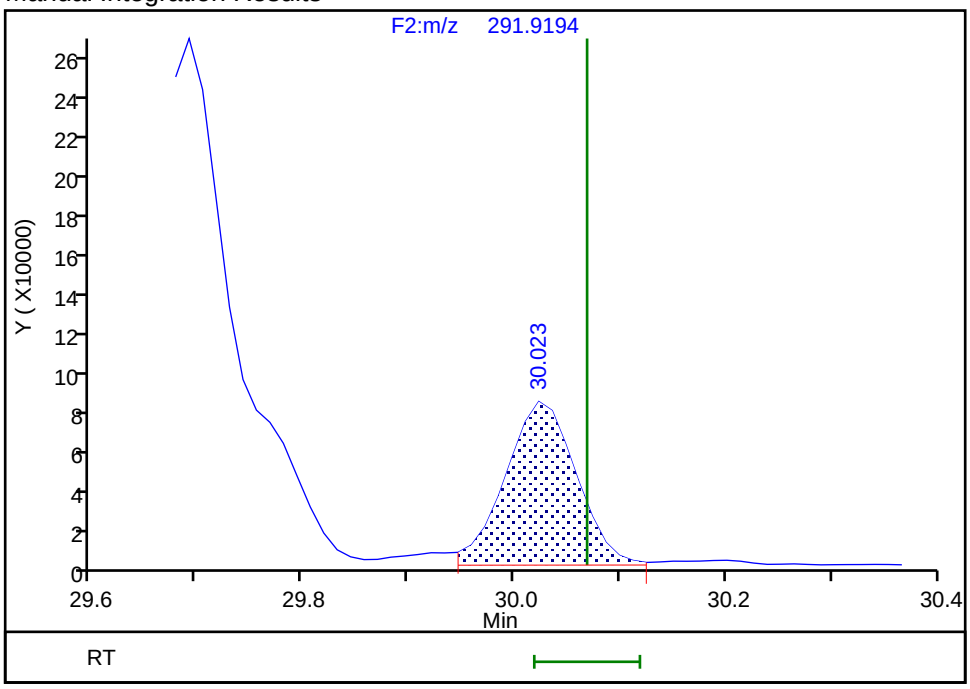
Processing Integration Results

RT: 30.02
Area: 389543
Amount: 19.093459
Amount Units: pg/ul




Manual Integration Results

RT: 30.02
Area: 383845
Amount: 18.377654
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:50:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

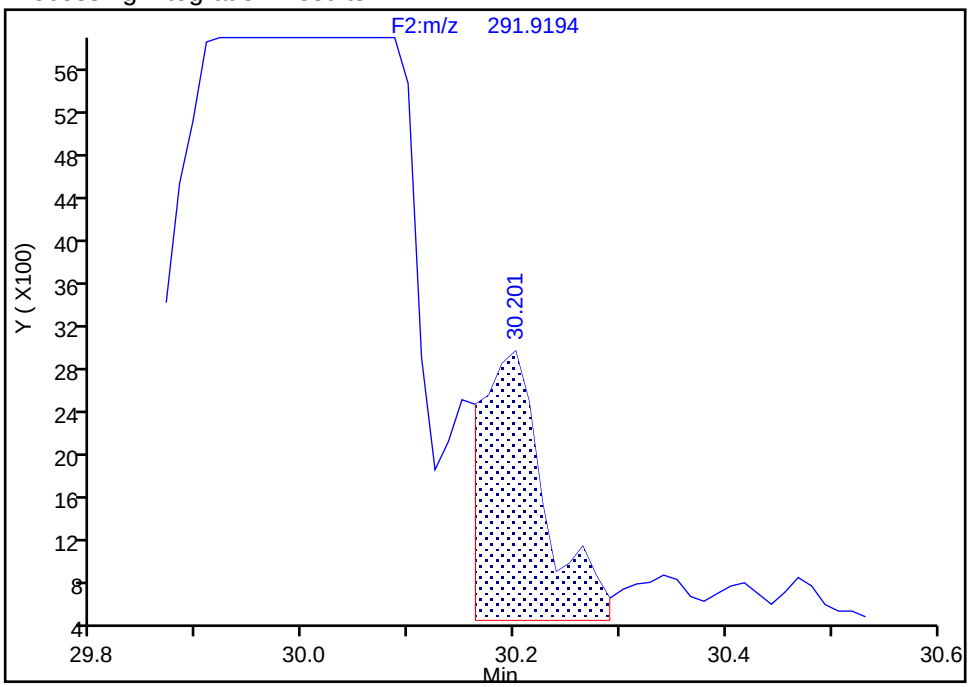
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 2

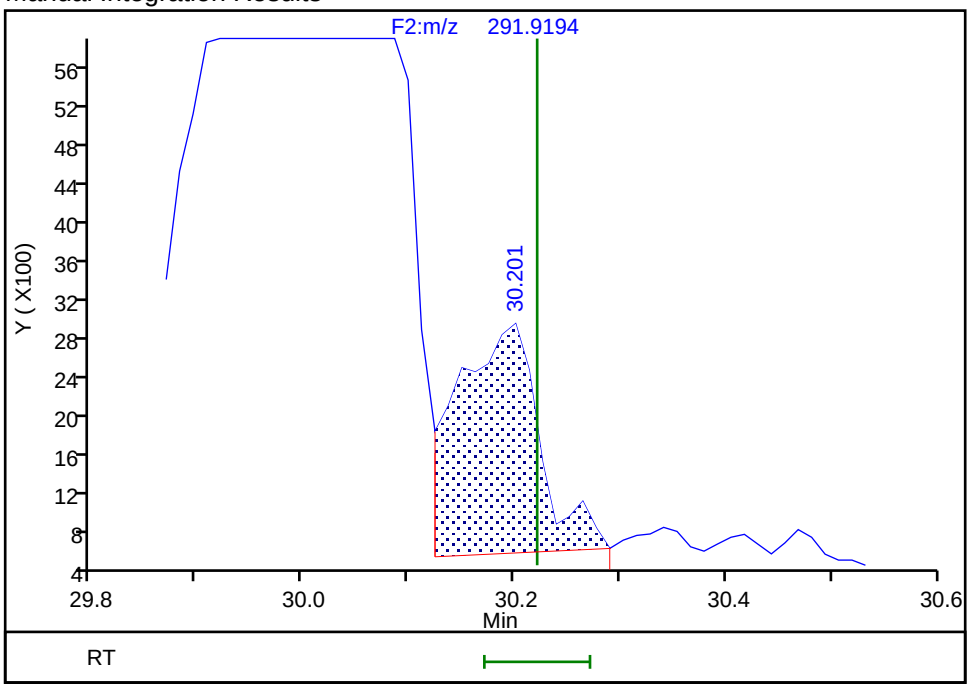
Processing Integration Results

RT: 30.20
Area: 10212
Amount: 0.580882
Amount Units: pg/ul




Manual Integration Results

RT: 30.20
Area: 12760
Amount: 0.659792
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:49:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

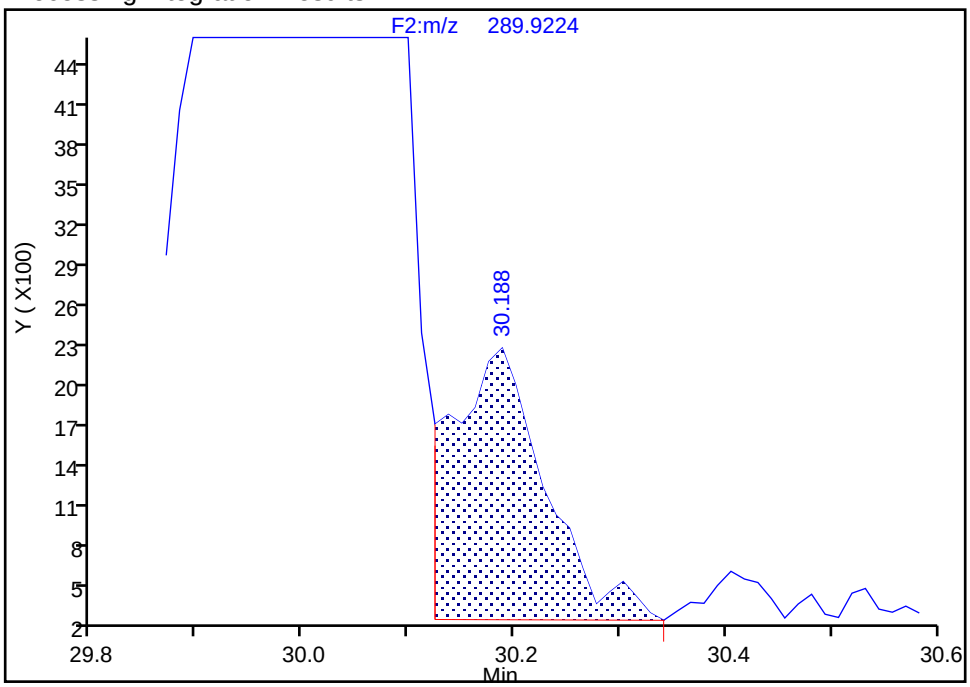
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

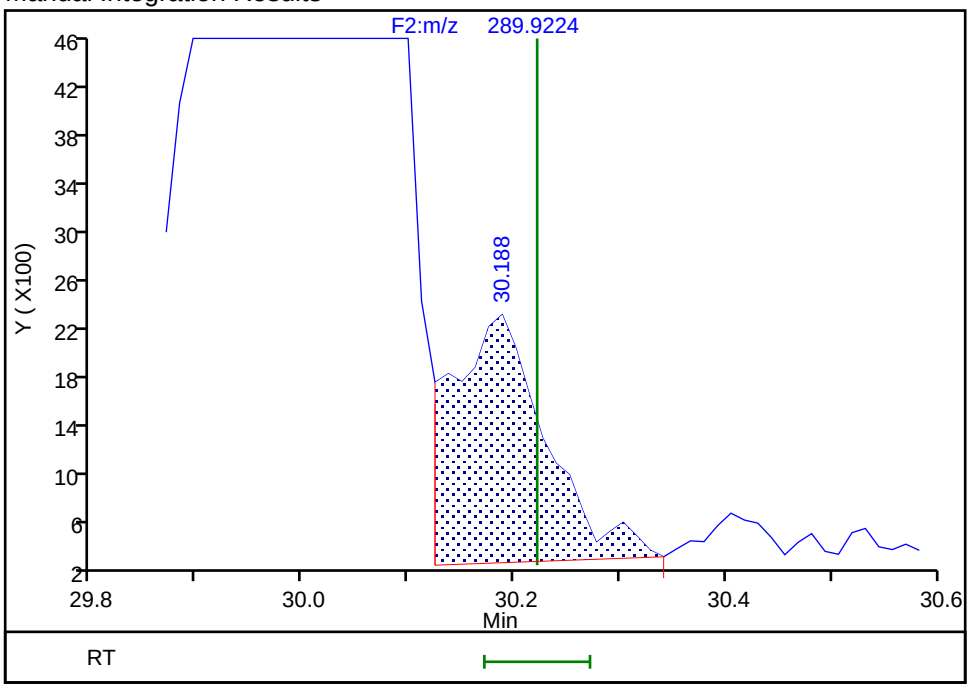
Processing Integration Results

RT: 30.19
Area: 12174
Amount: 0.580882
Amount Units: pg/ul




Manual Integration Results

RT: 30.19
Area: 12667
Amount: 0.659792
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:50:33

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

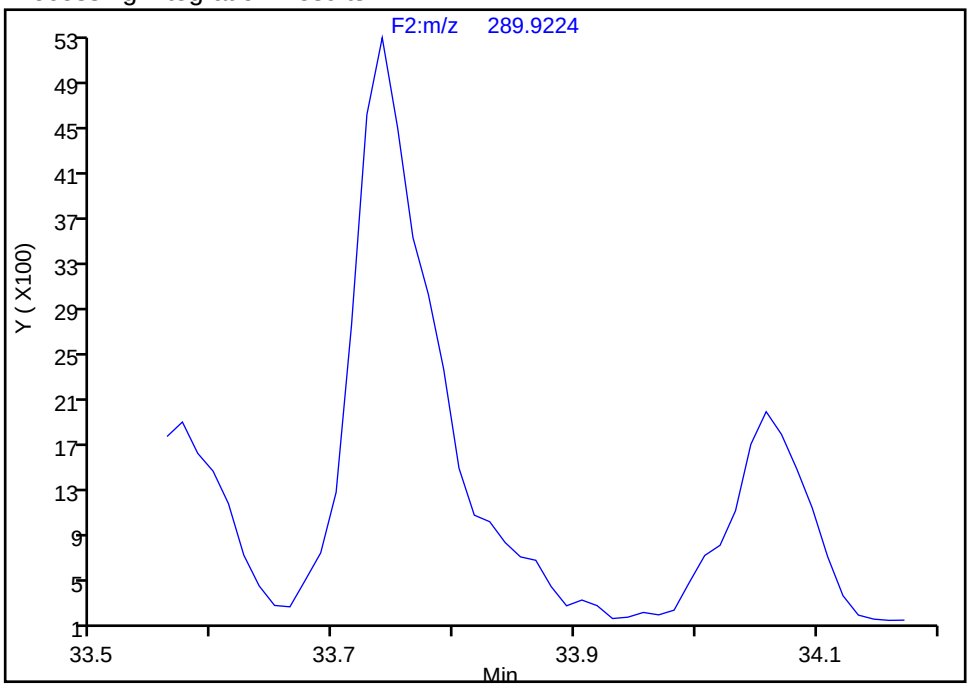
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

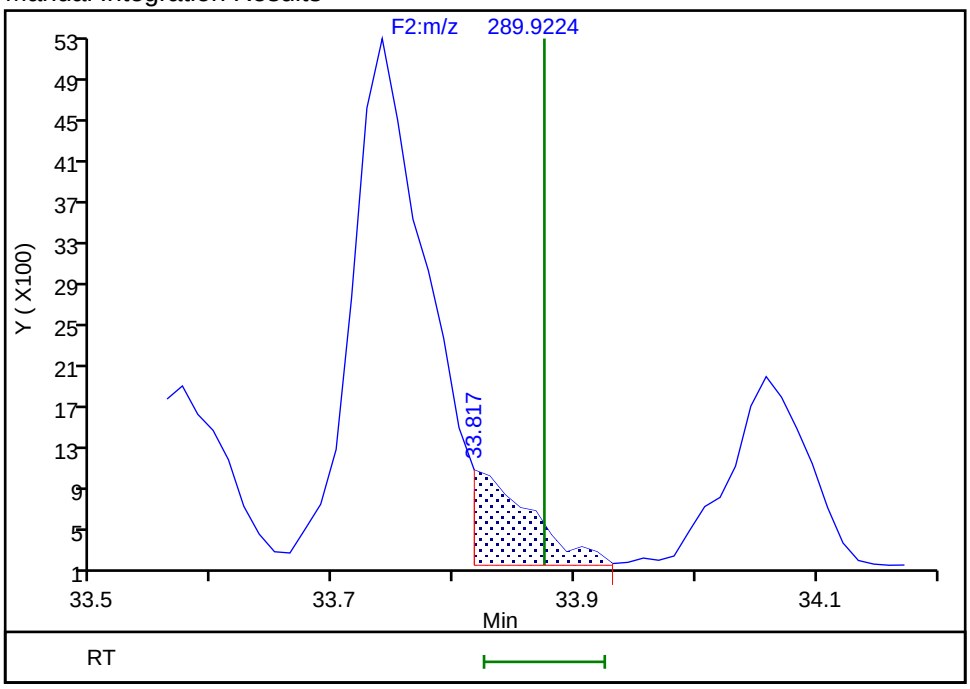
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.82
Area: 2905
Amount: 0.151214
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:50:55
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

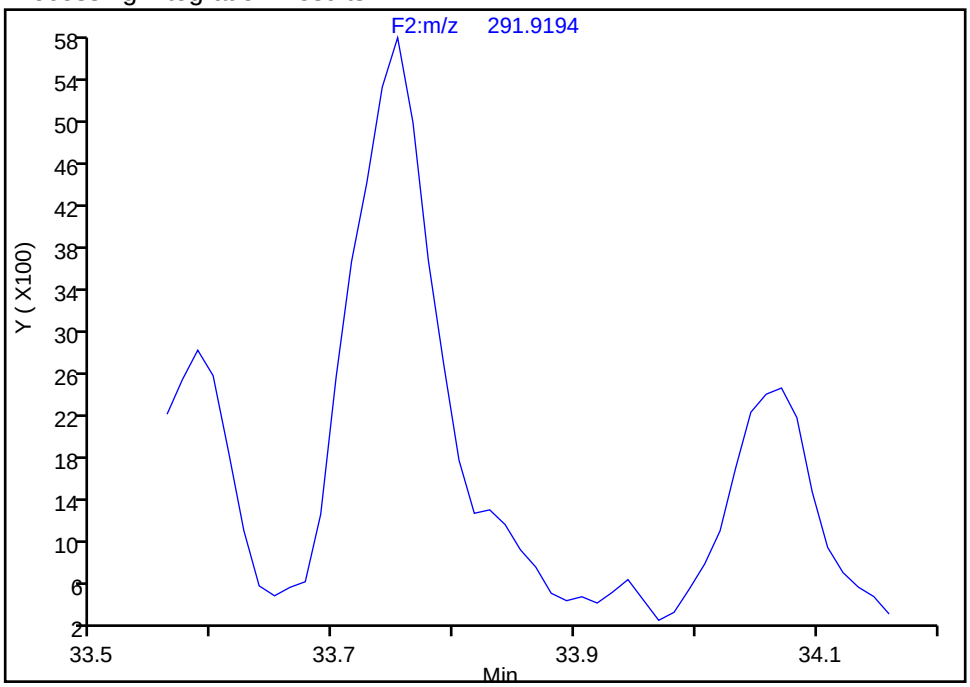
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

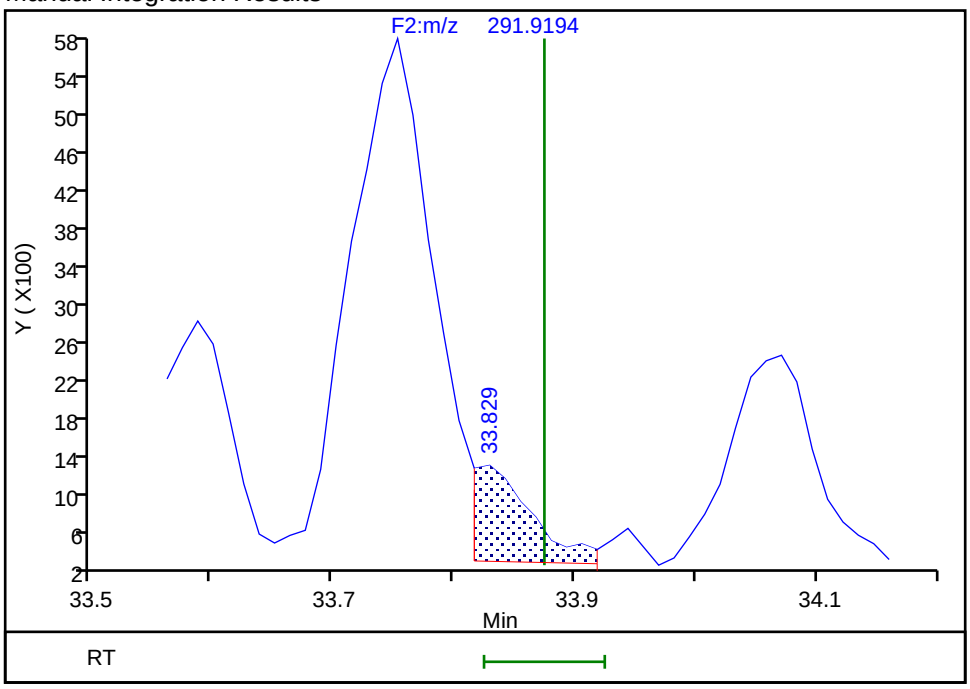
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.83
Area: 3131
Amount: 0.151214
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:51:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

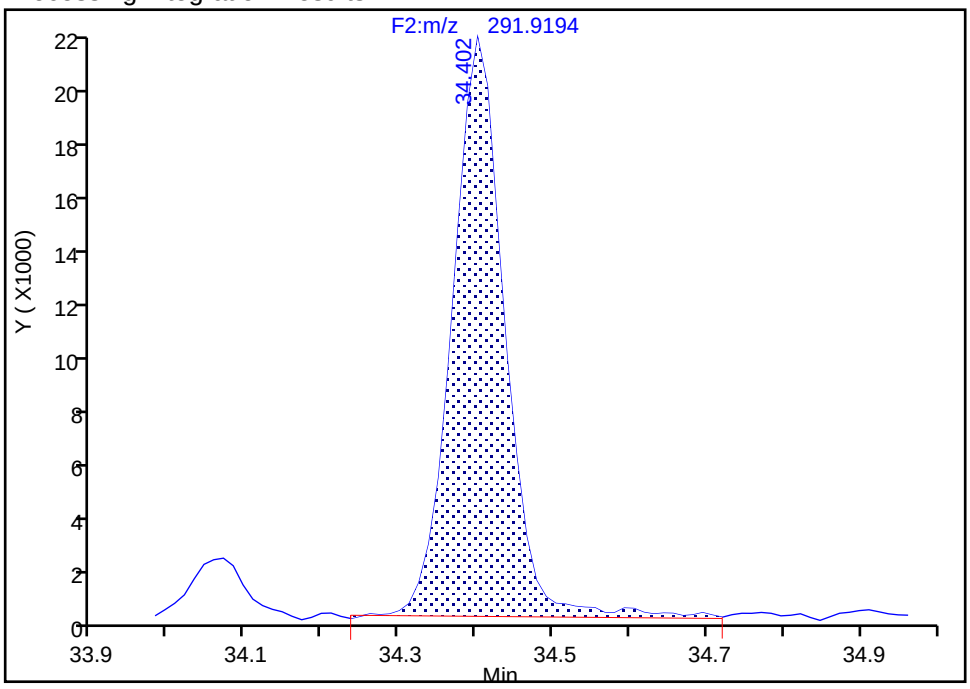
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-77, CAS: 32598-13-3

Signal: 2

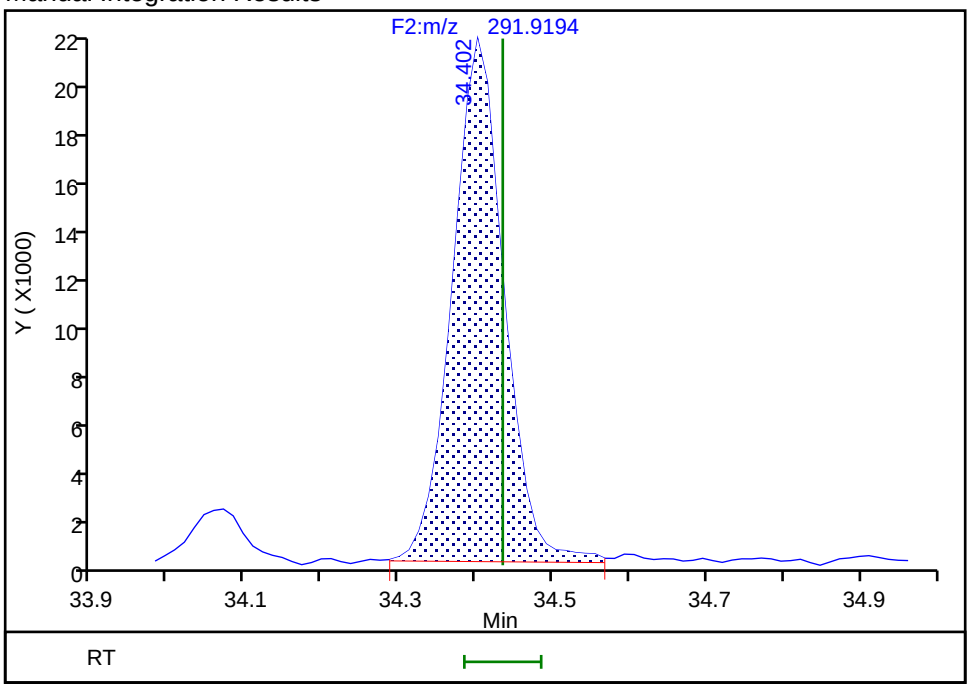
Processing Integration Results

RT: 34.40
Area: 100191
Amount: 4.489564
Amount Units: pg/ul




Manual Integration Results

RT: 34.40
Area: 98499
Amount: 4.446178
Amount Units: pg/ul



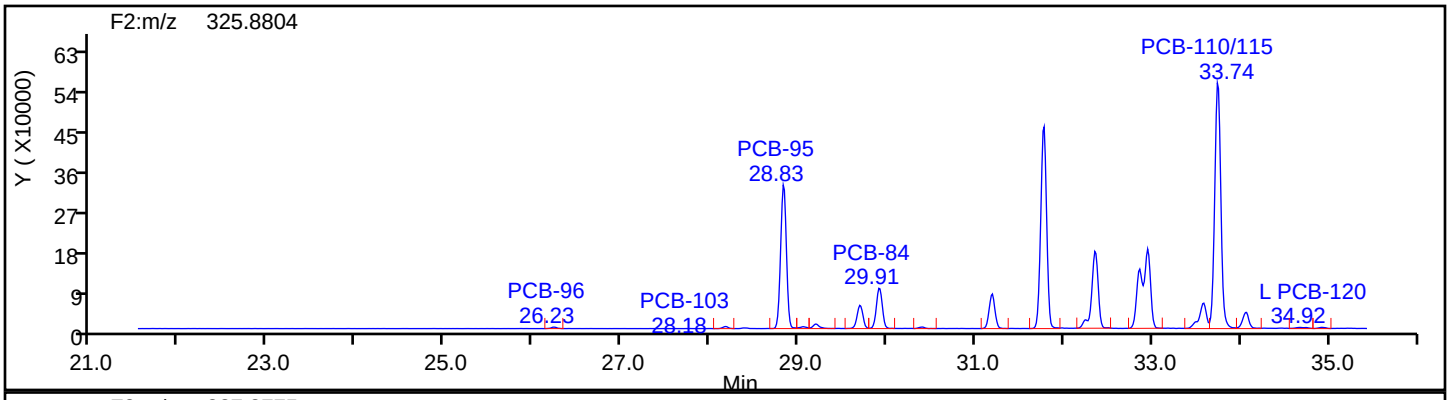

Reviewer: davidsonm, 10-Oct-2019 09:51:07

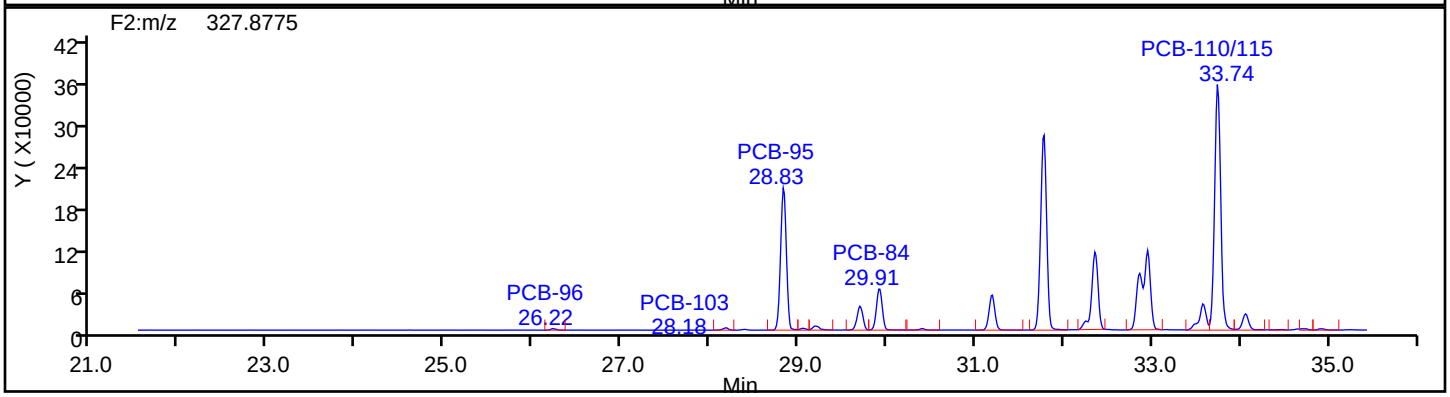
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

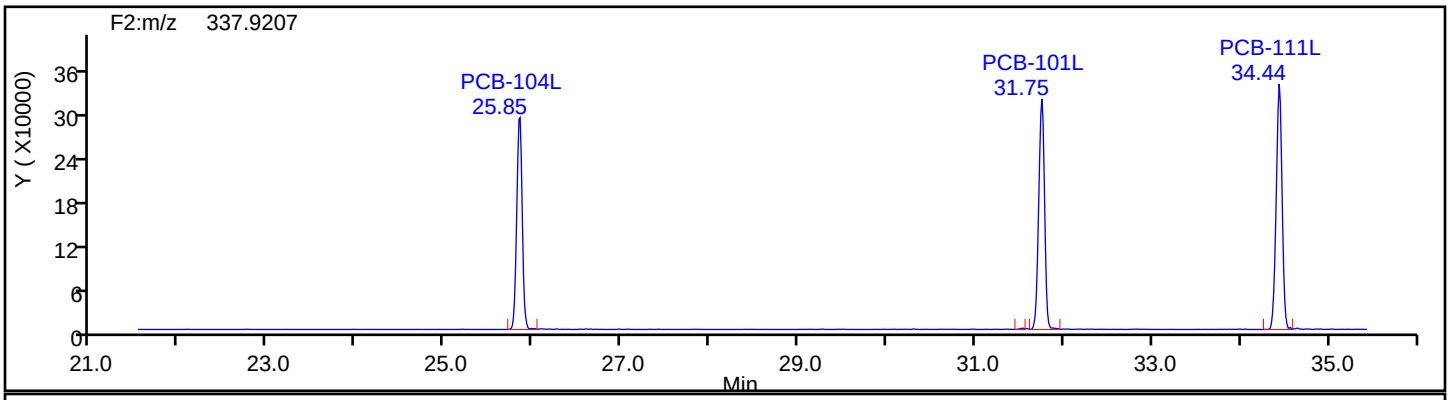
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

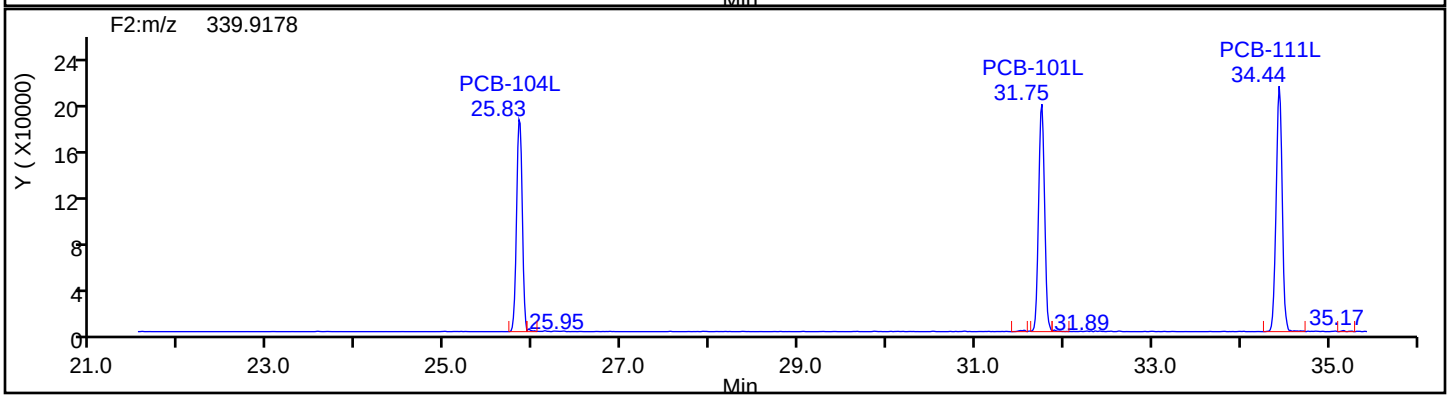
PePCB F2




PePCB F2 Standards

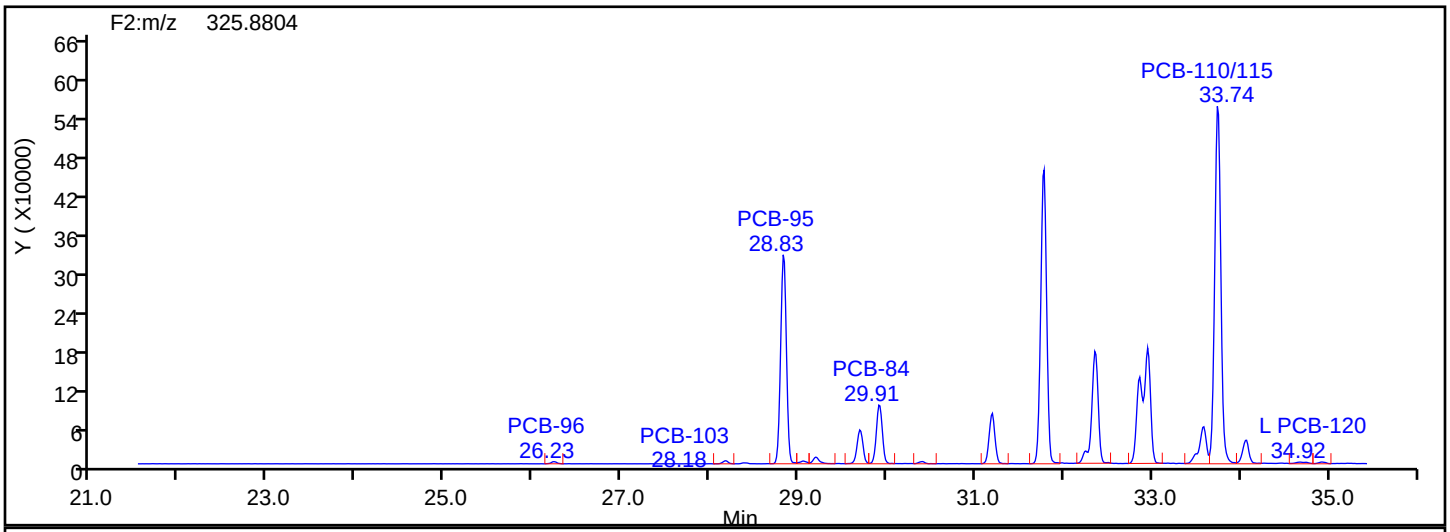


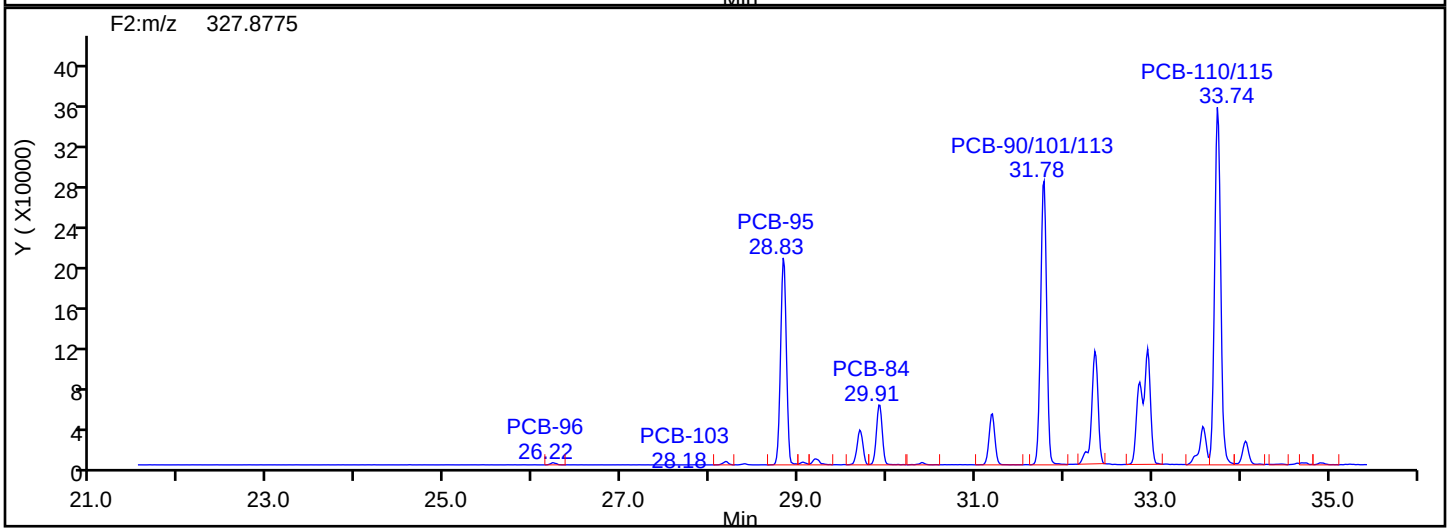



Eurofins TestAmerica, Knoxville

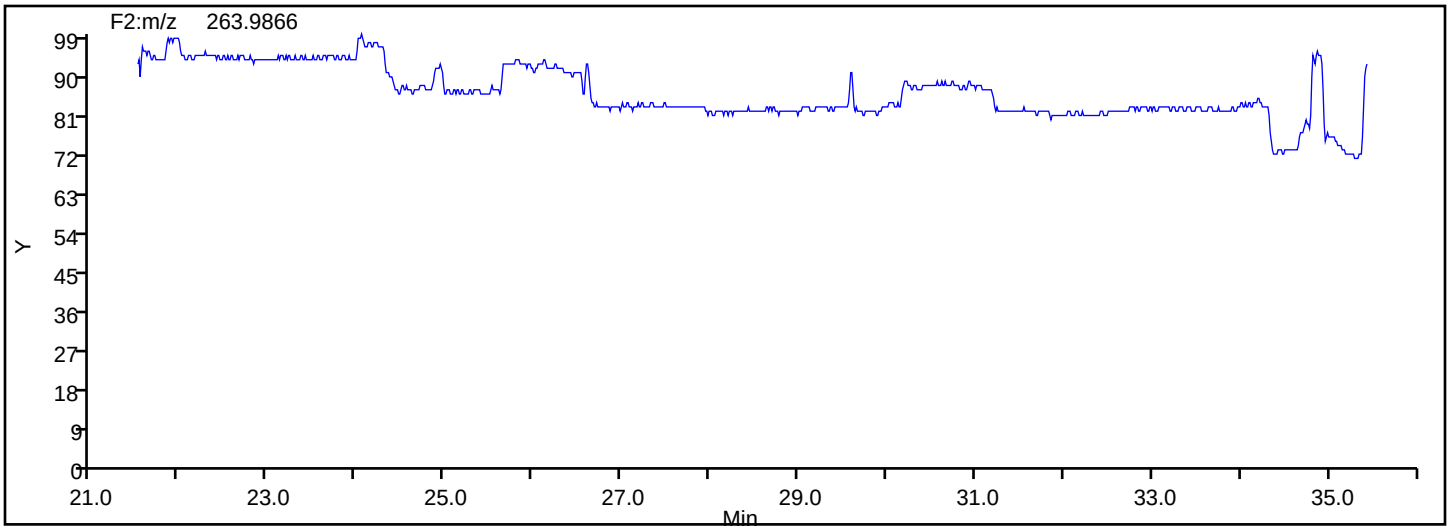
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

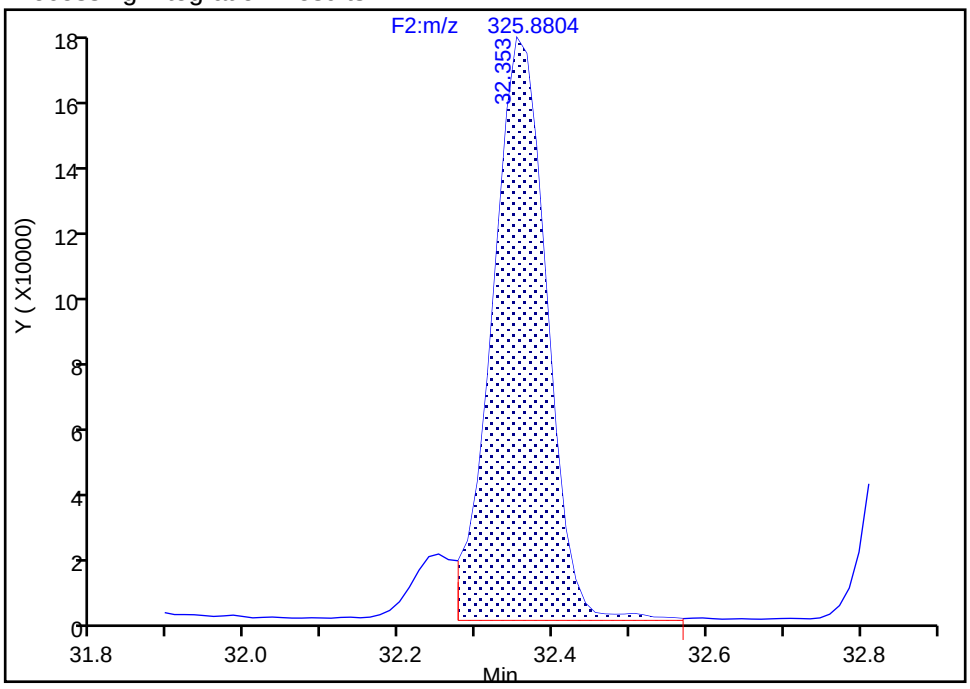
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

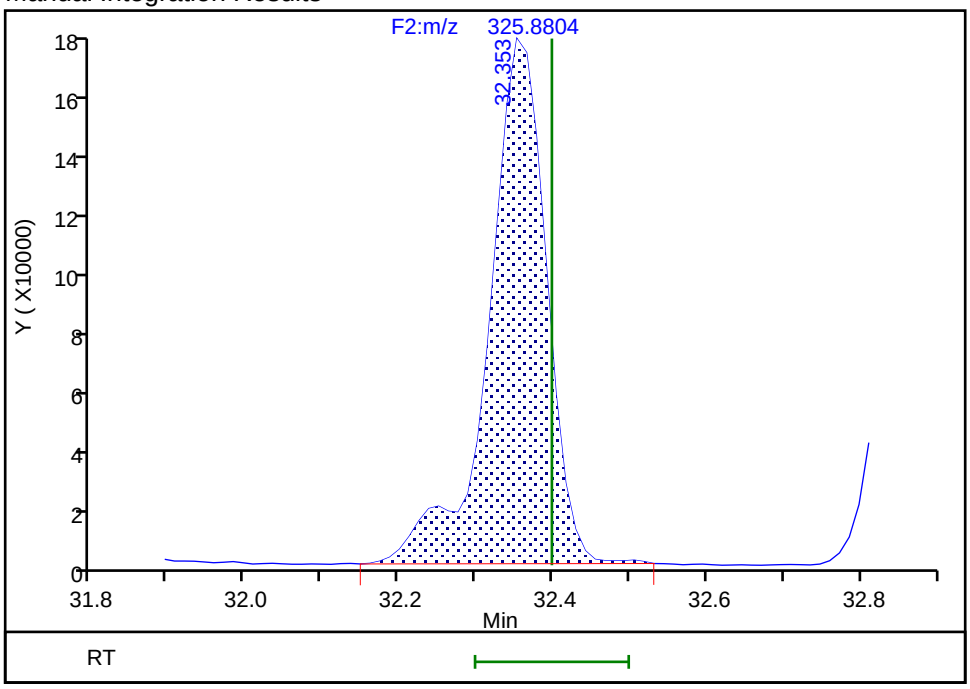
Processing Integration Results

RT: 32.35
Area: 855245
Amount: 71.180946
Amount Units: pg/ul




Manual Integration Results

RT: 32.35
Area: 912580
Amount: 75.463141
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:52:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

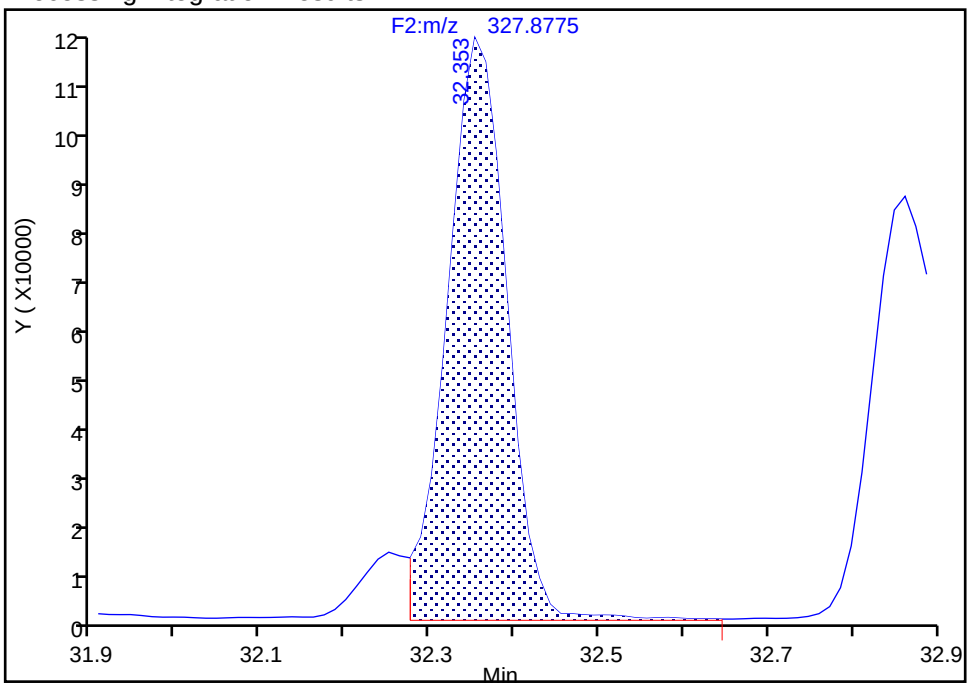
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

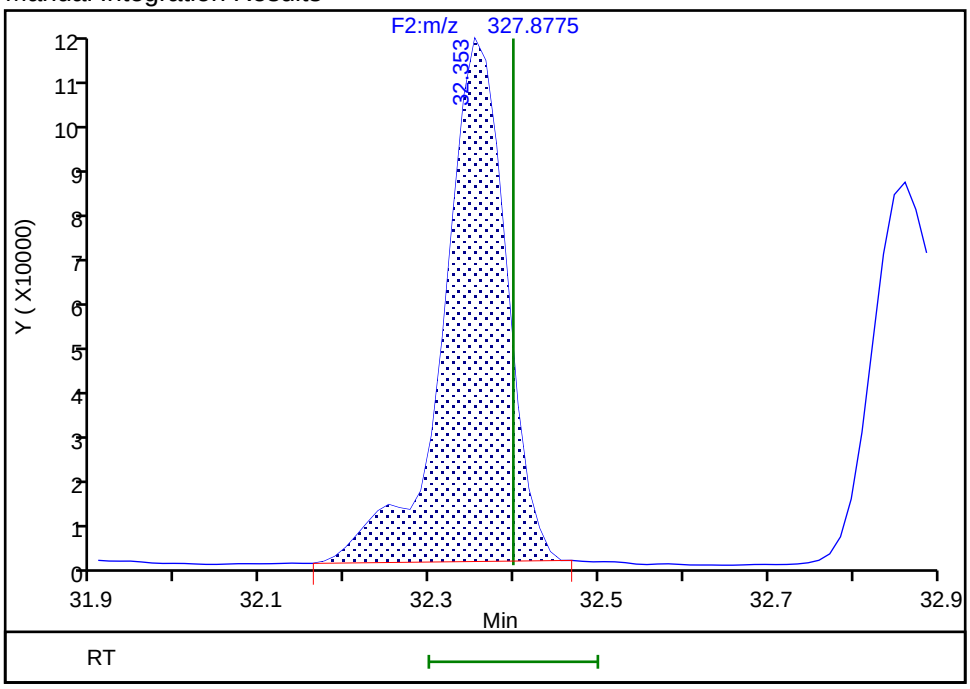
Processing Integration Results

RT: 32.35
Area: 548545
Amount: 71.180946
Amount Units: pg/ul




Manual Integration Results

RT: 32.35
Area: 575661
Amount: 75.463141
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:52:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

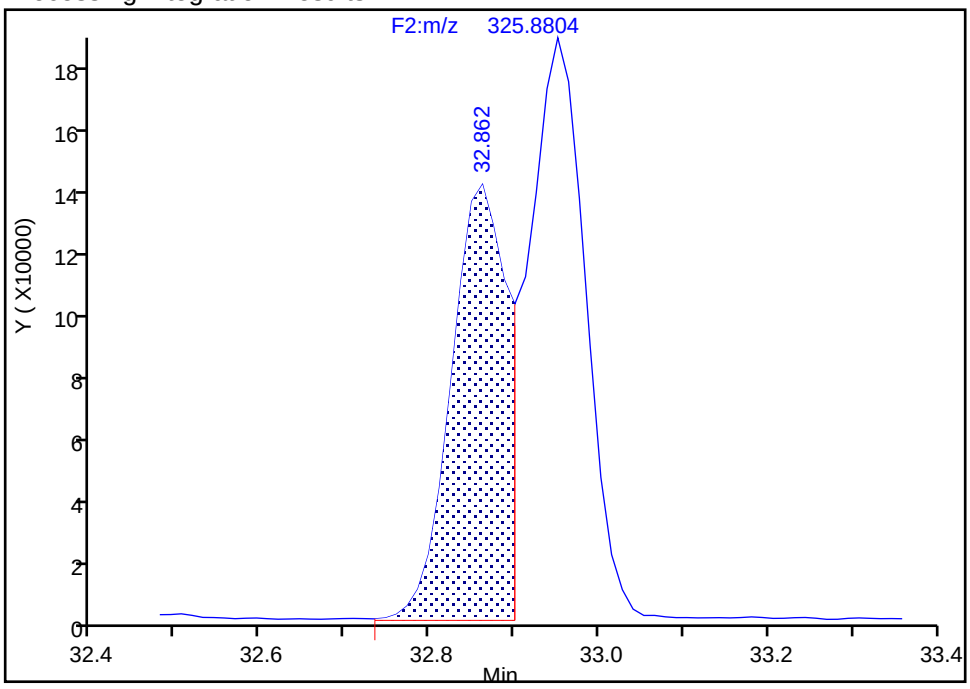
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

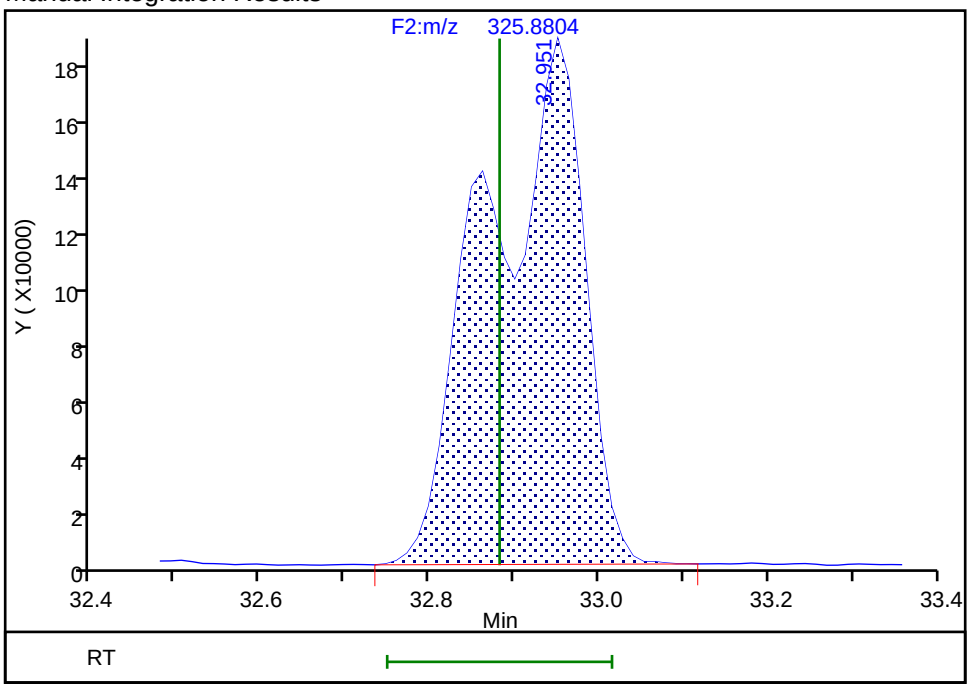
Processing Integration Results

RT: 32.86
Area: 609083
Amount: 39.552264
Amount Units: pg/ul




Manual Integration Results

RT: 32.95
Area: 1435131
Amount: 93.112645
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:52:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

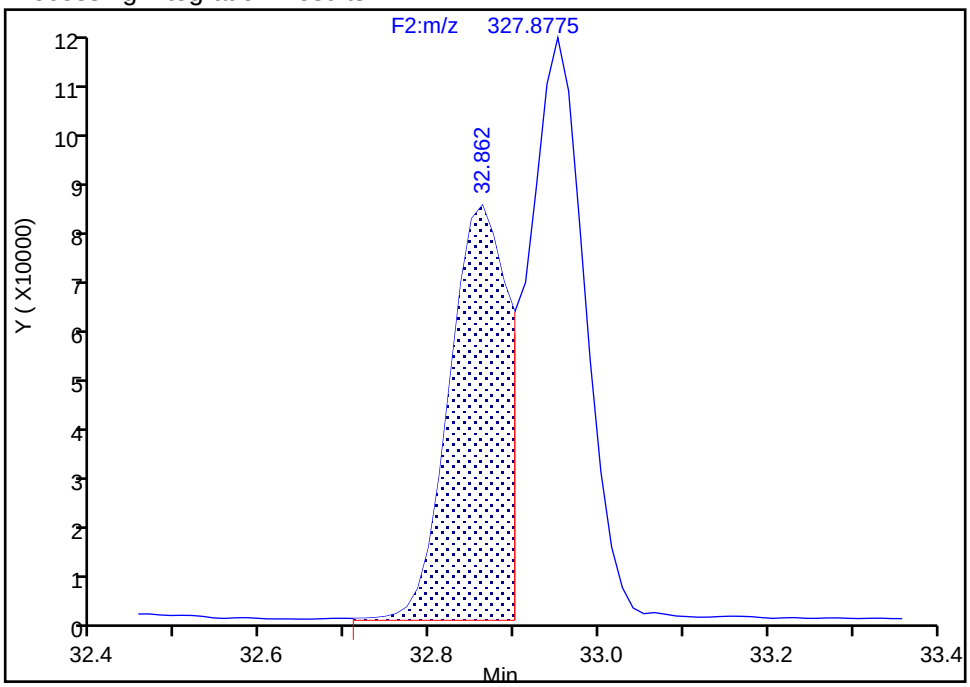
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

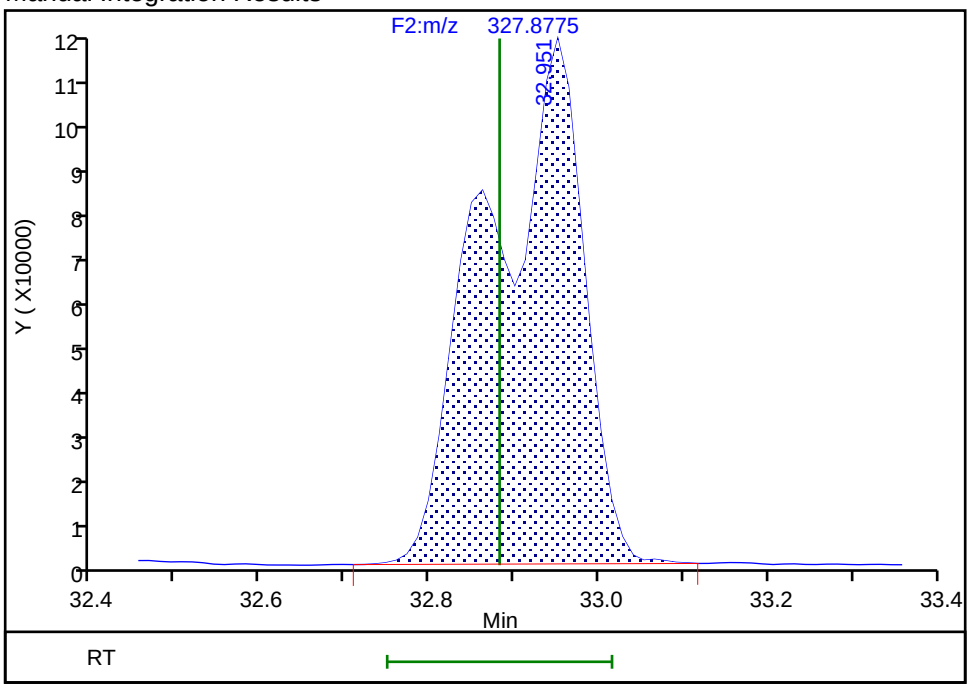
Processing Integration Results

RT: 32.86
Area: 383911
Amount: 39.552264
Amount Units: pg/ul




Manual Integration Results

RT: 32.95
Area: 902543
Amount: 93.112645
Amount Units: pg/ul



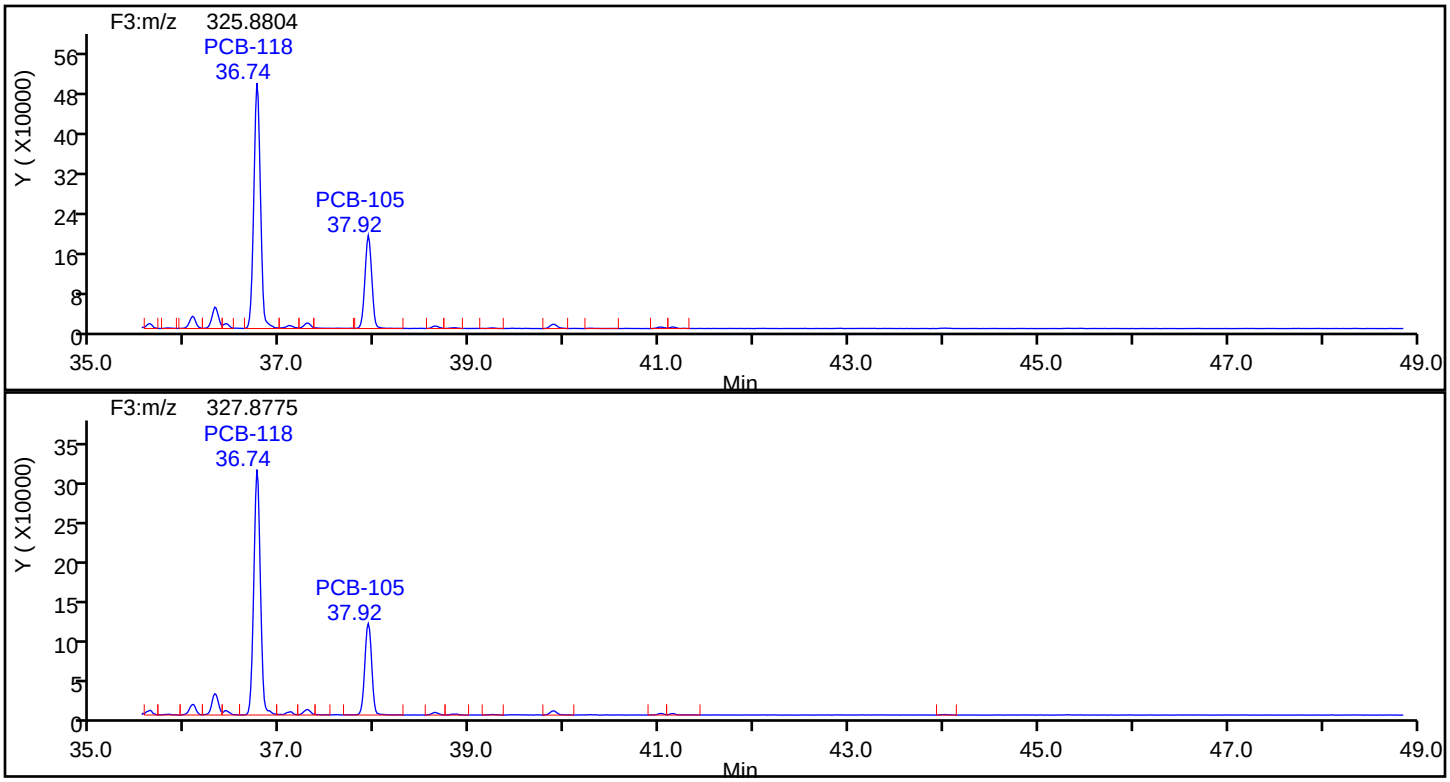

Reviewer: davidsonm, 10-Oct-2019 09:52:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

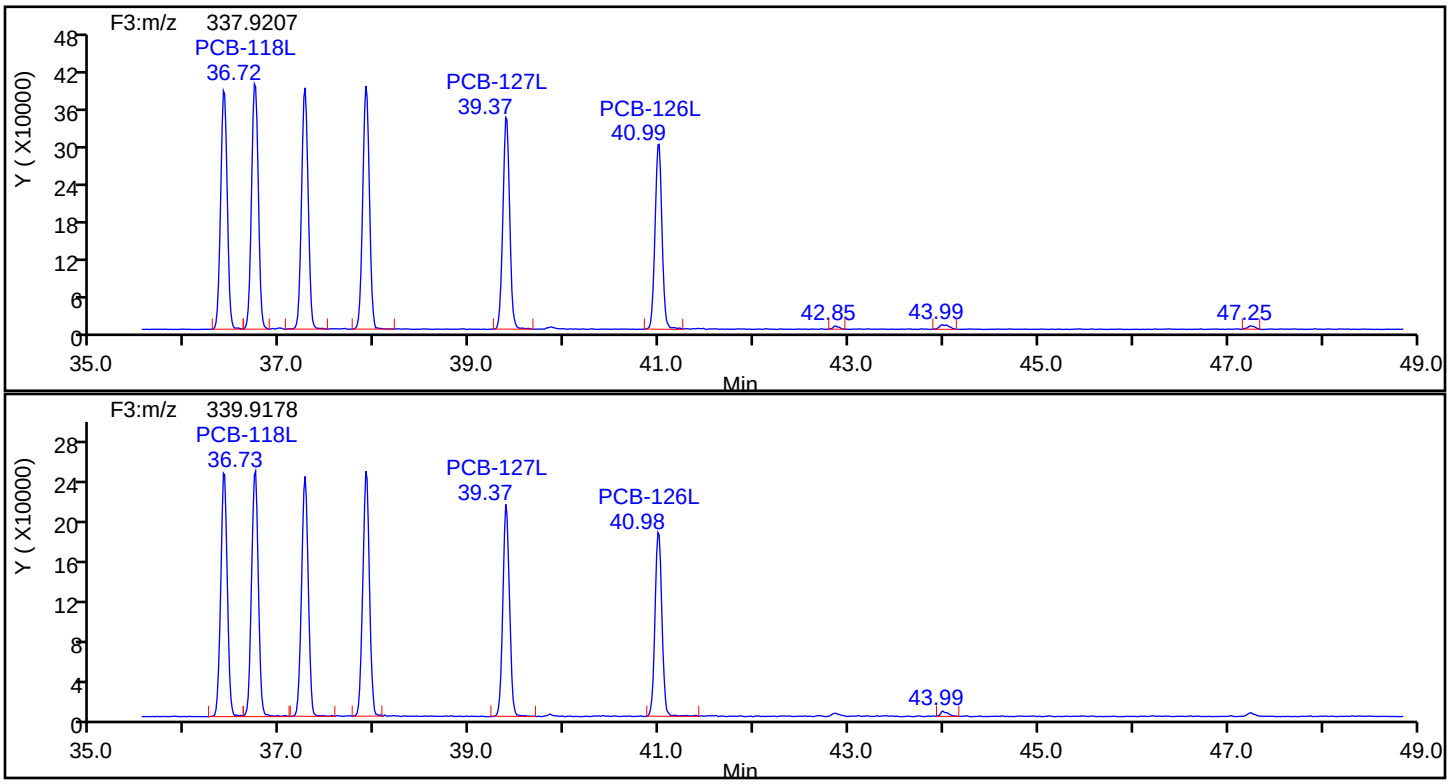
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



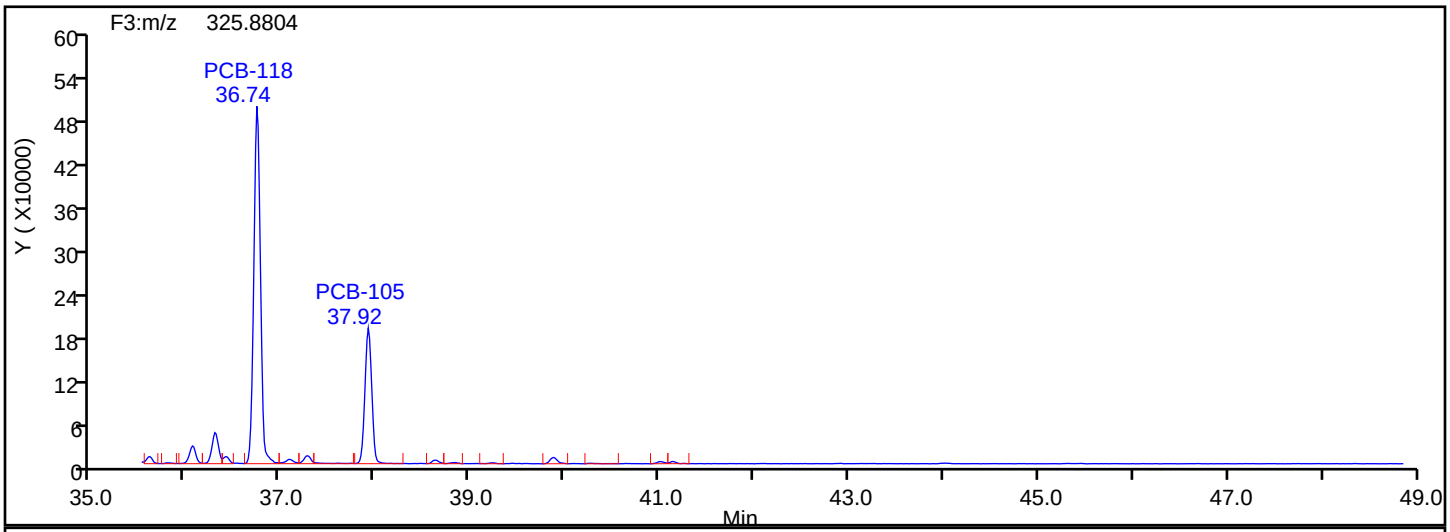

PePCB F3 Standards

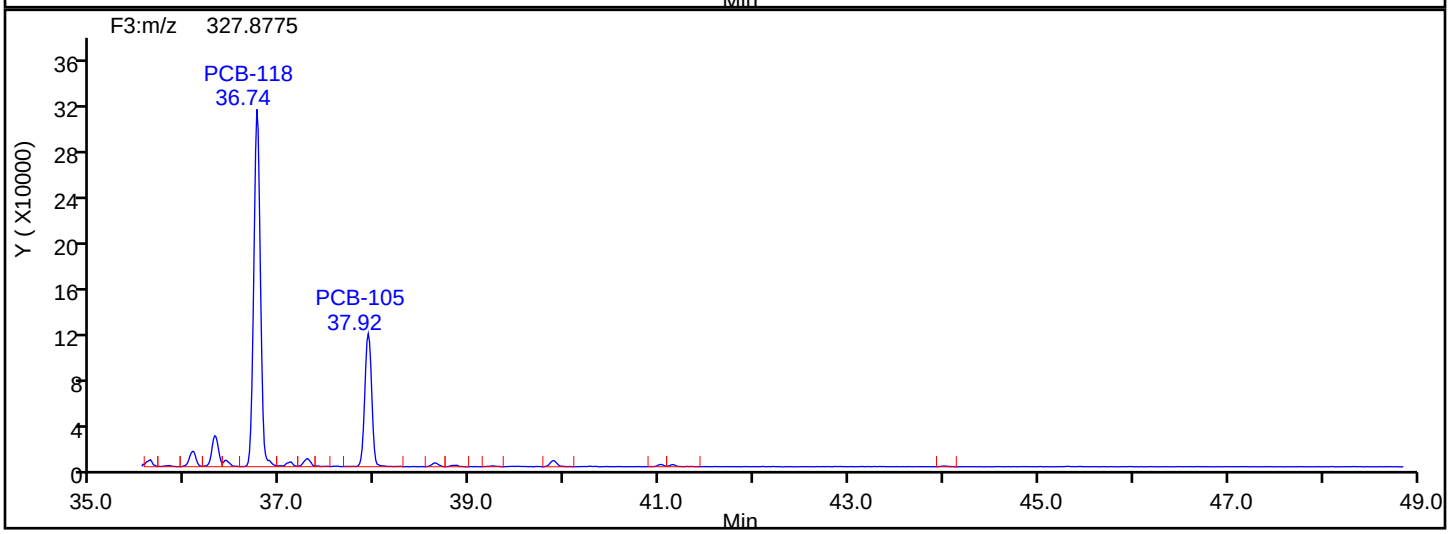


Eurofins TestAmerica, Knoxville

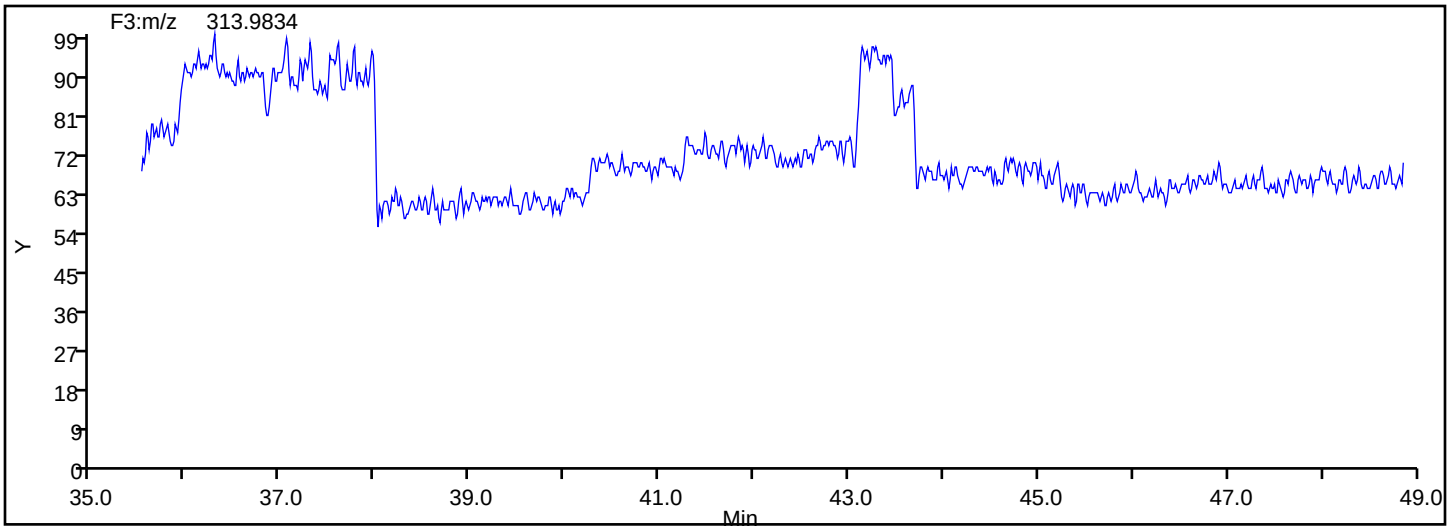
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

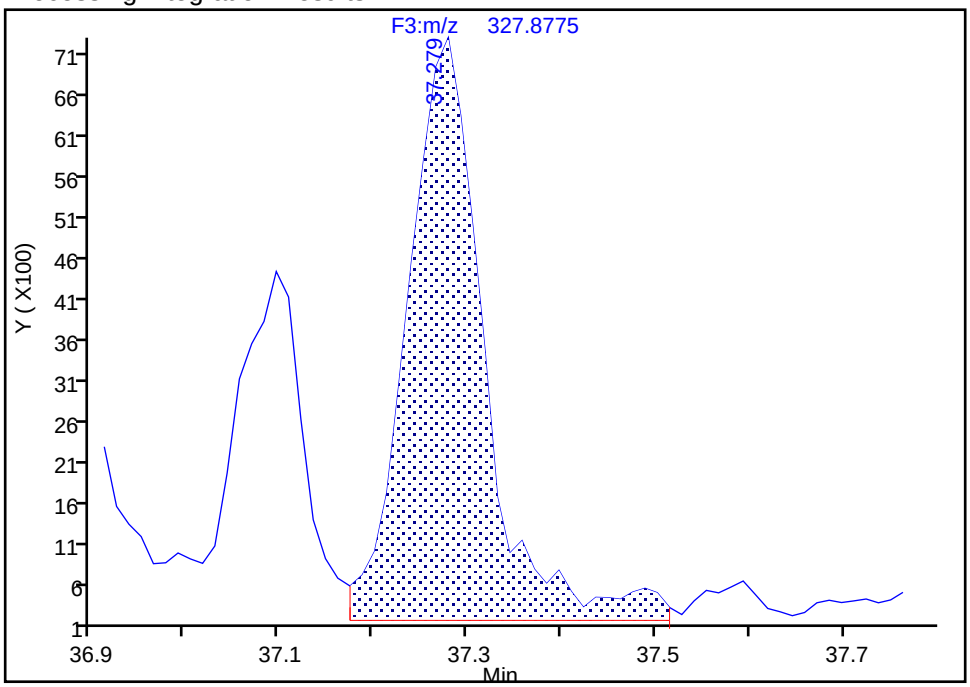
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 2

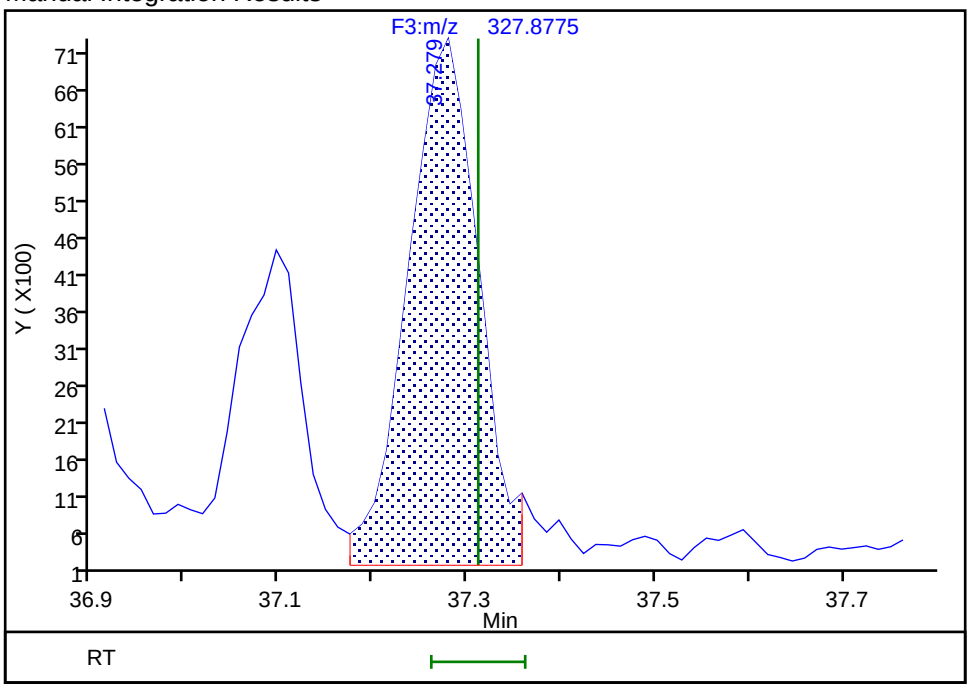
Processing Integration Results

RT: 37.28
Area: 40428
Amount: 2.547737
Amount Units: pg/ul




Manual Integration Results

RT: 37.28
Area: 36788
Amount: 2.136358
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:52:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

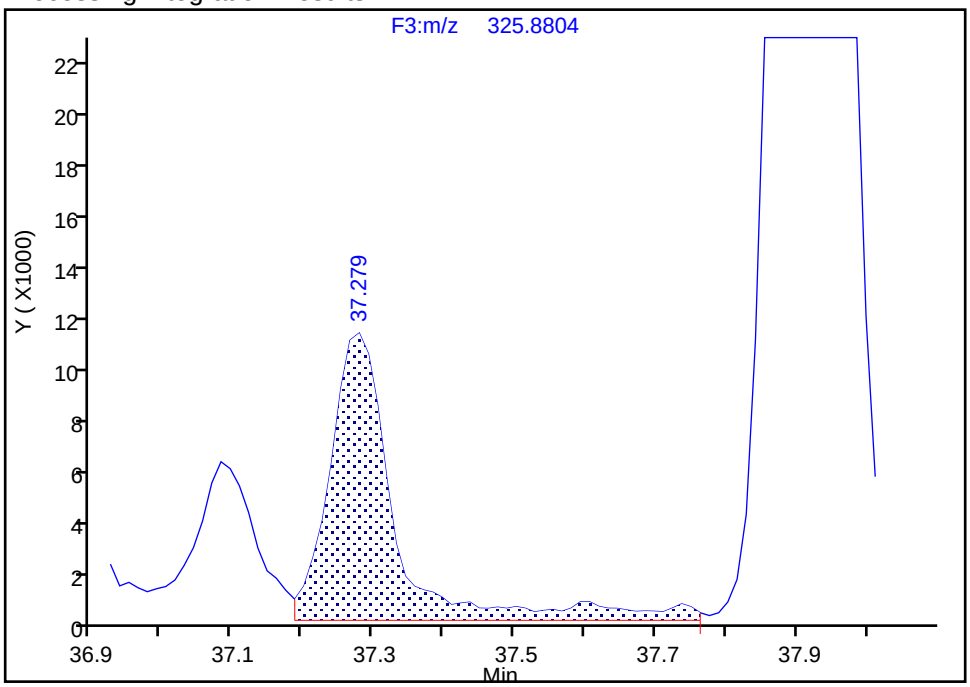
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-114, CAS: 74472-37-0

Signal: 1

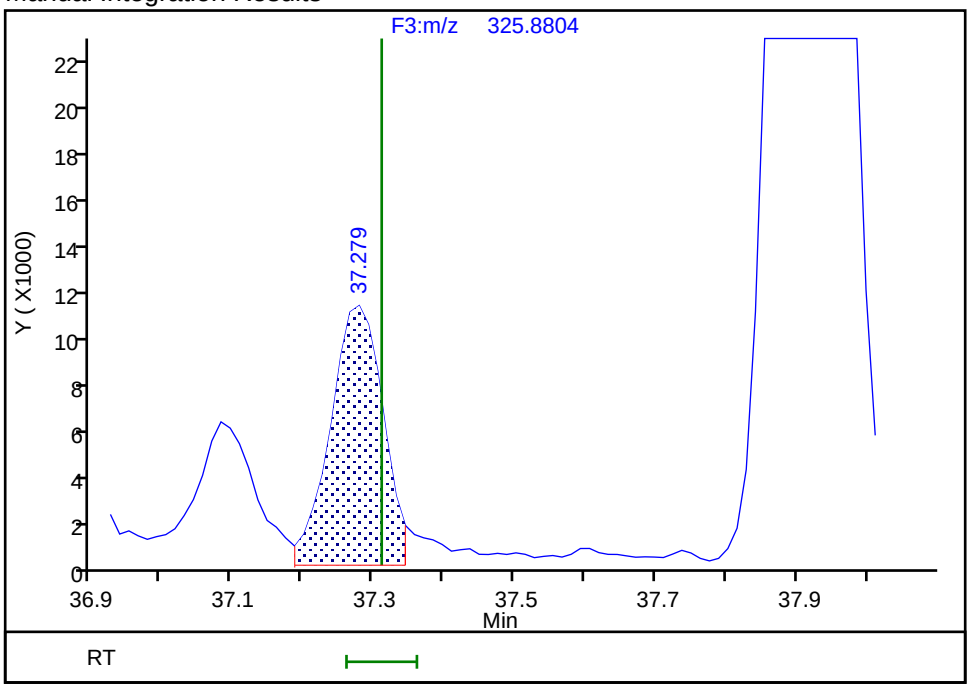
Processing Integration Results

RT: 37.28
Area: 70535
Amount: 2.547737
Amount Units: pg/ul




Manual Integration Results

RT: 37.28
Area: 56258
Amount: 2.136358
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:52:51

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

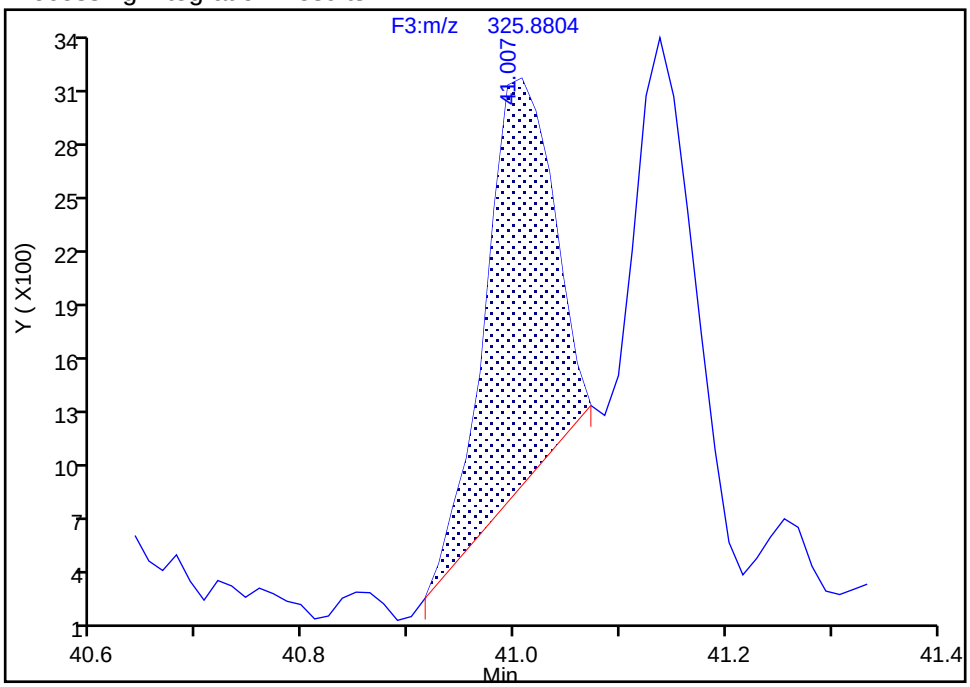
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

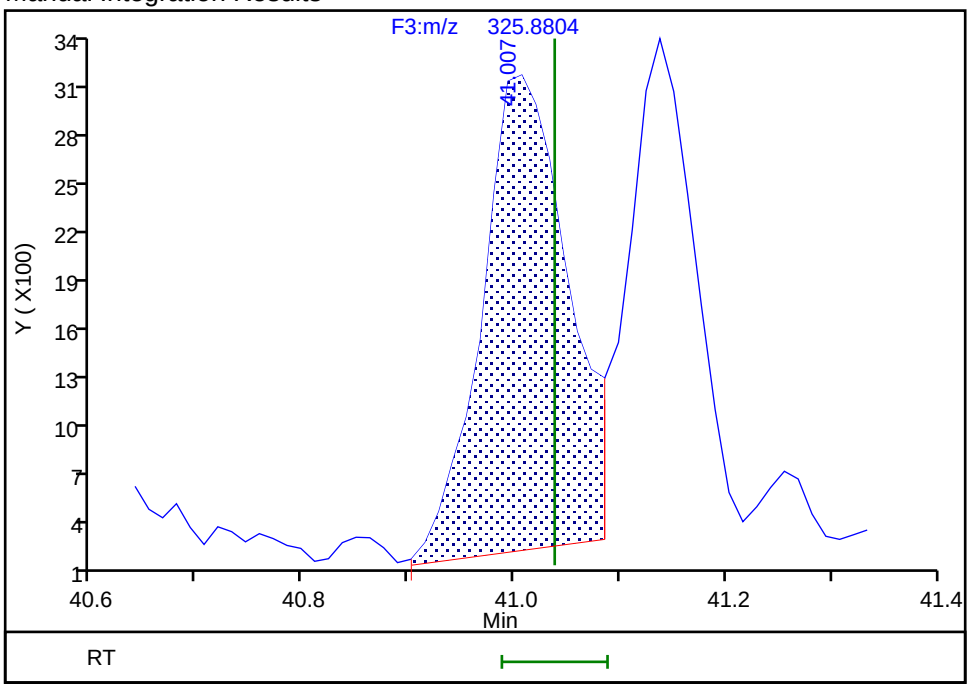
Processing Integration Results

RT: 41.01
Area: 10008
Amount: 0.575096
Amount Units: pg/ul




Manual Integration Results

RT: 41.01
Area: 16408
Amount: 0.766835
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:53:10

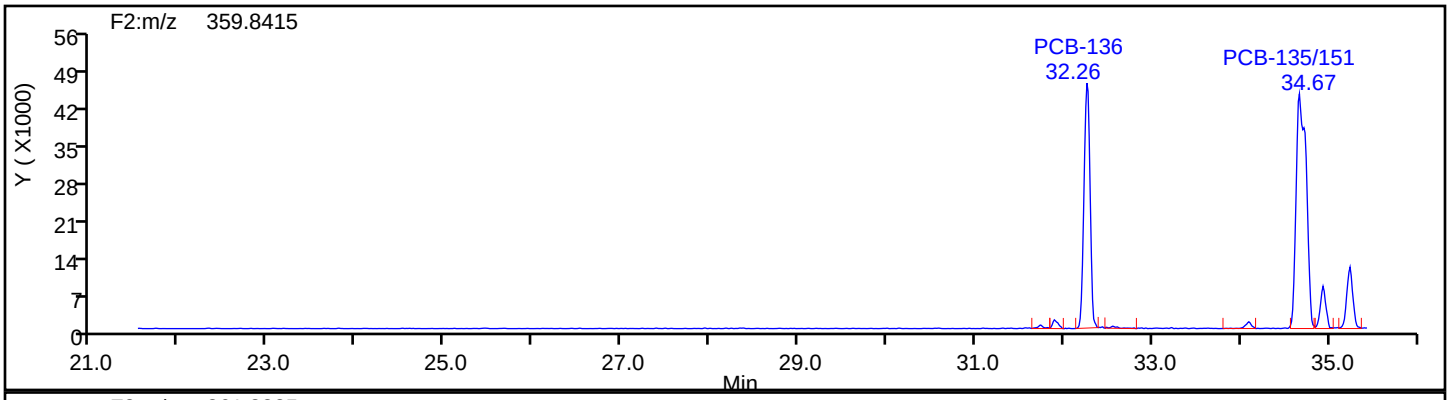
Audit Action: Manually Integrated Audit Reason: Baseline

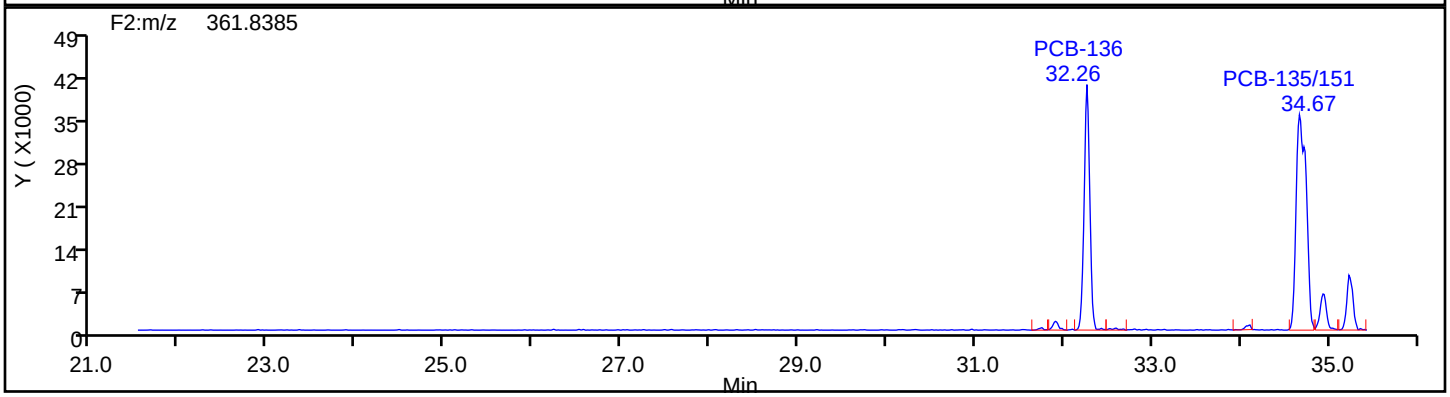
Report Date: 10-Oct-2019 21:00:58 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

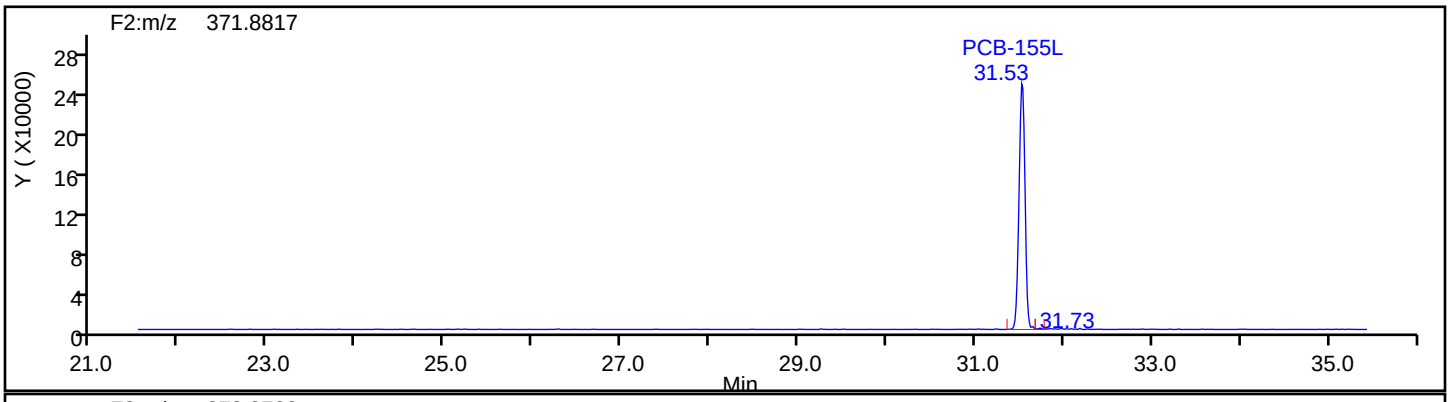
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

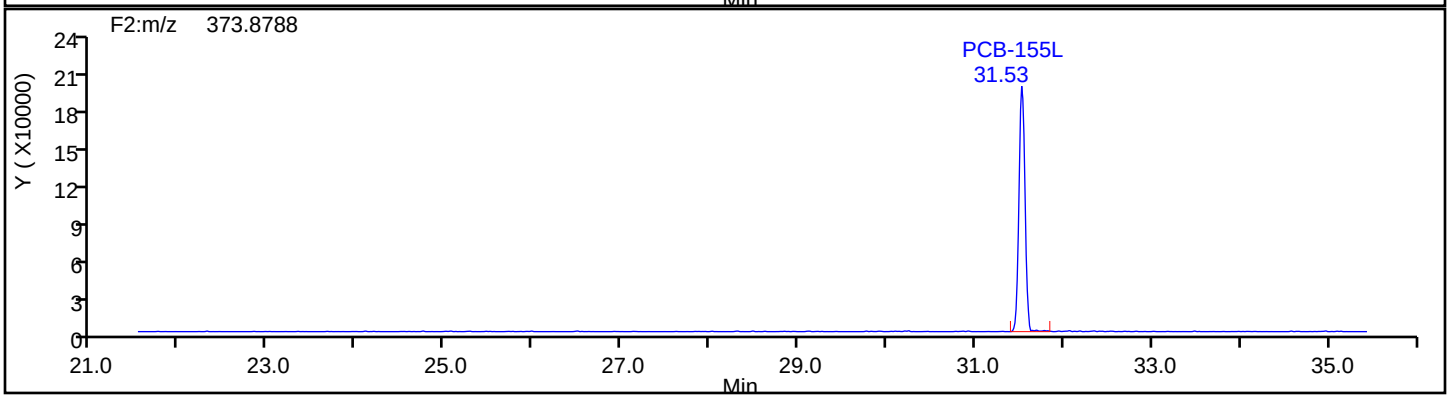
HxPCB F2




HxPCB F2 Standards



Eurofins TestAmerica, Knoxville

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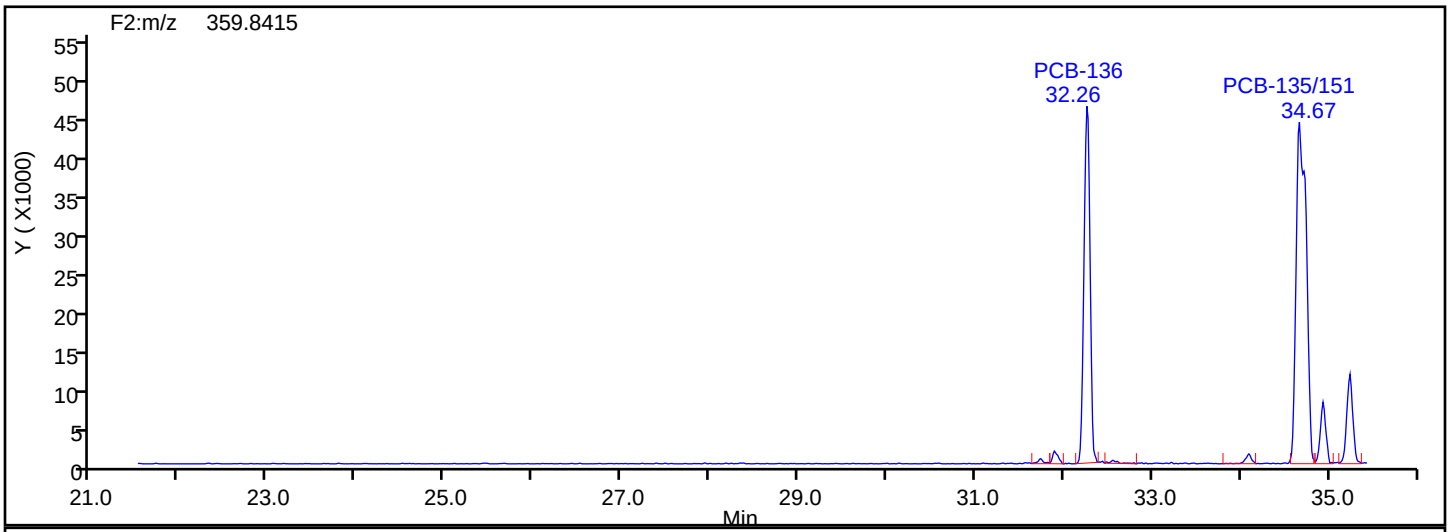
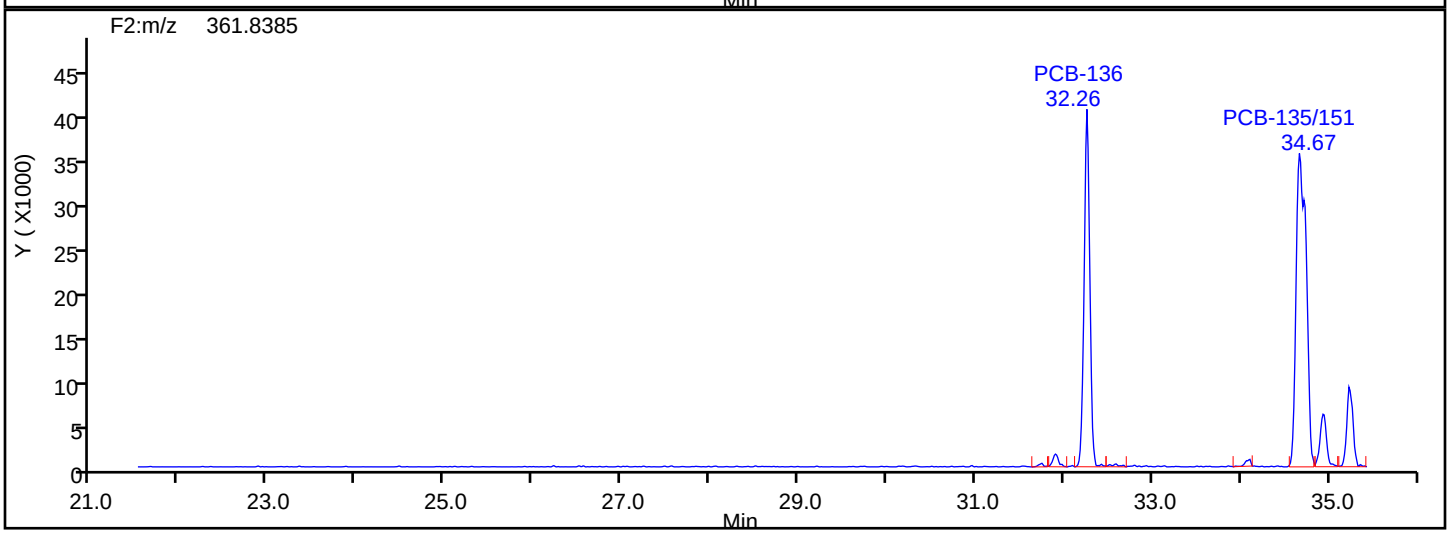
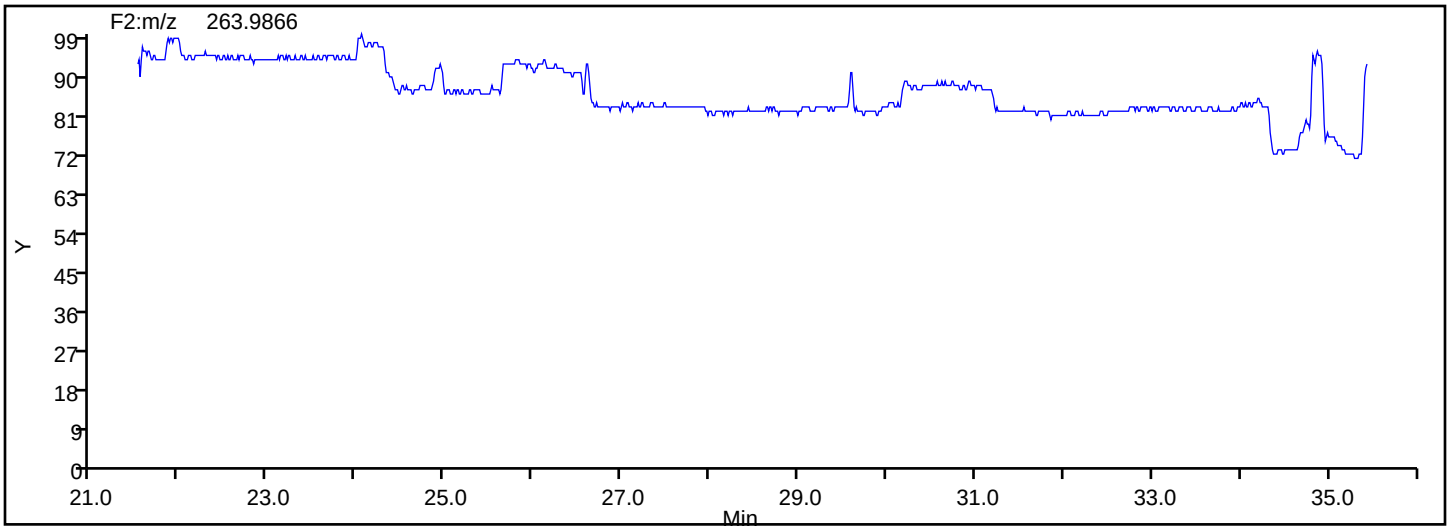
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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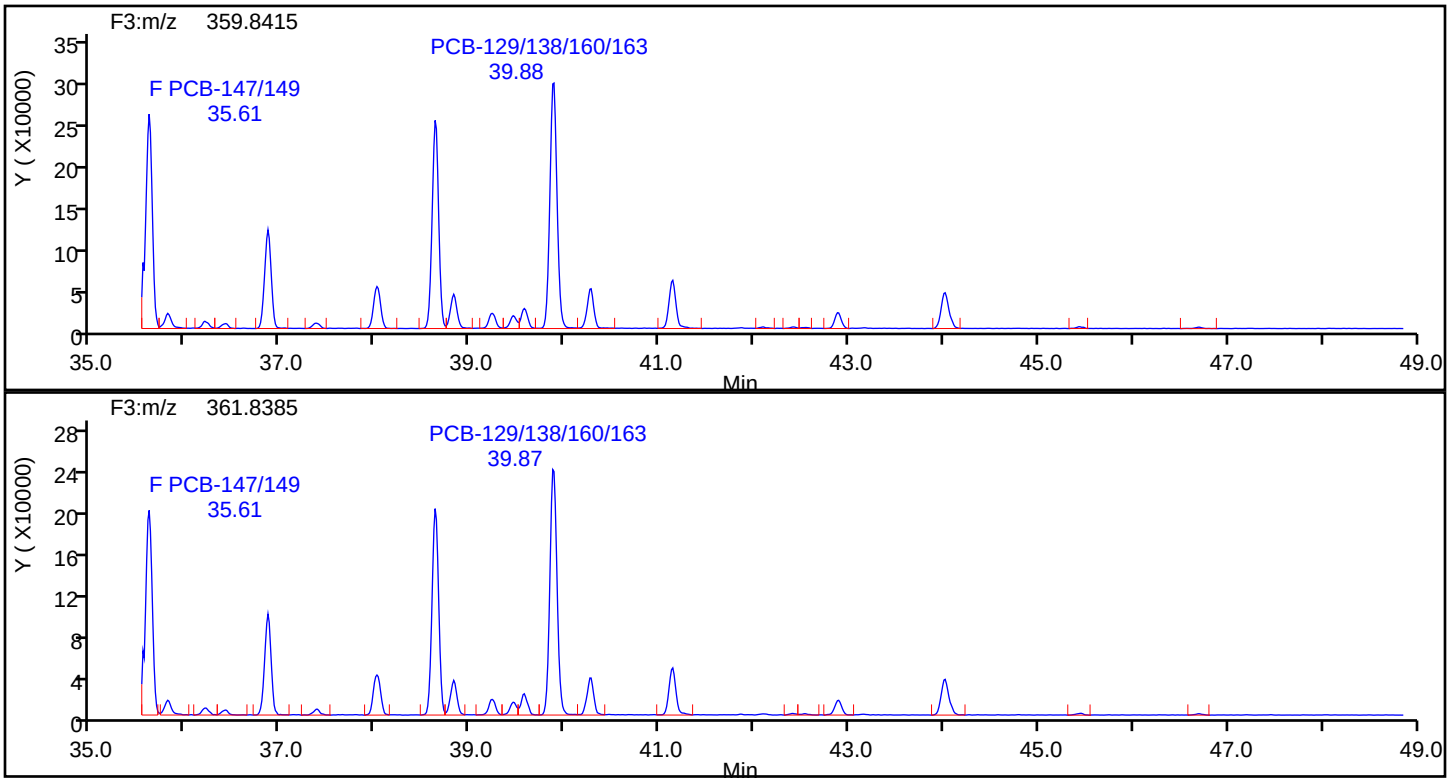
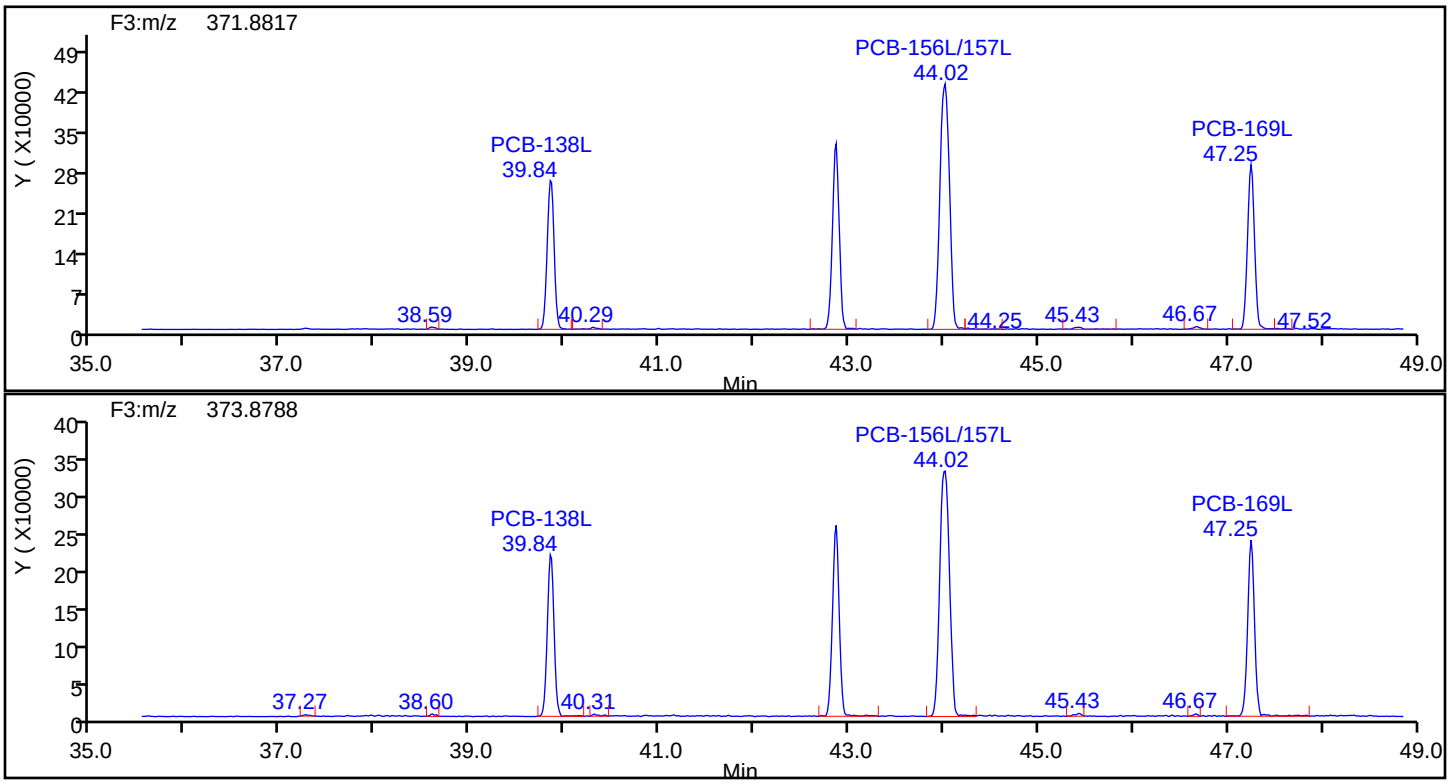
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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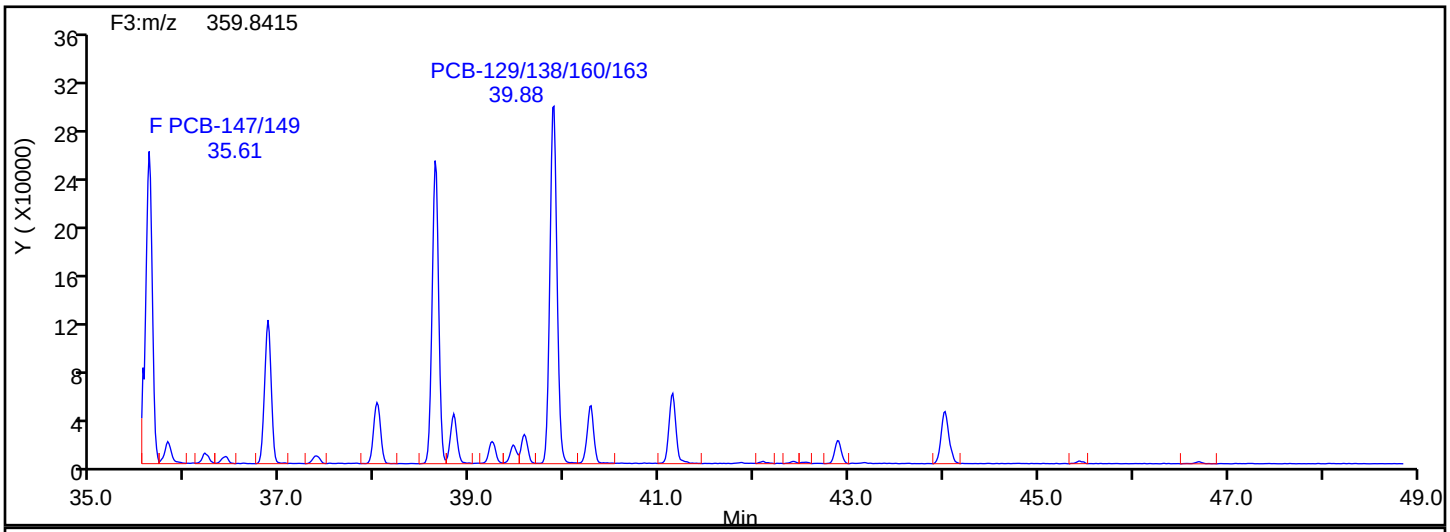
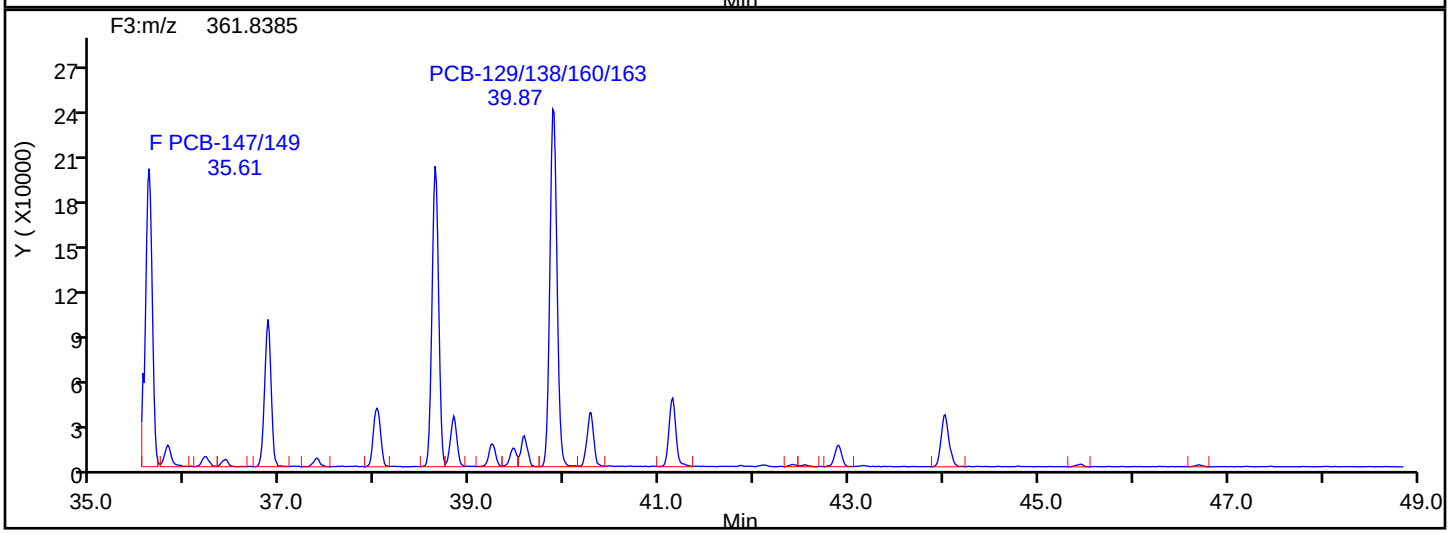
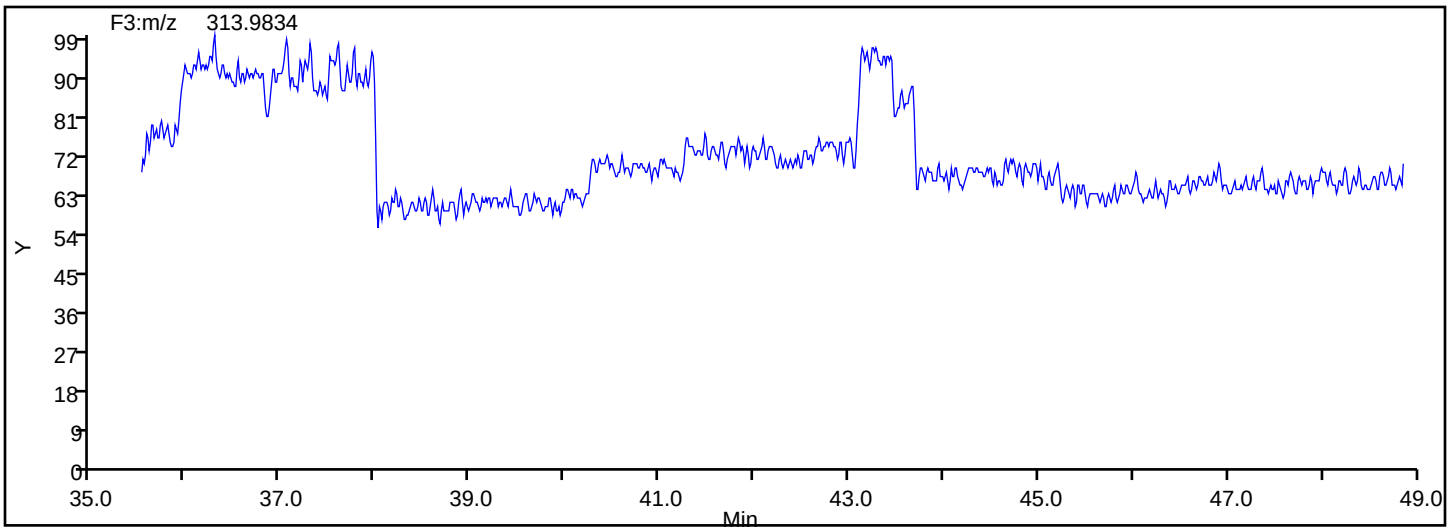
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

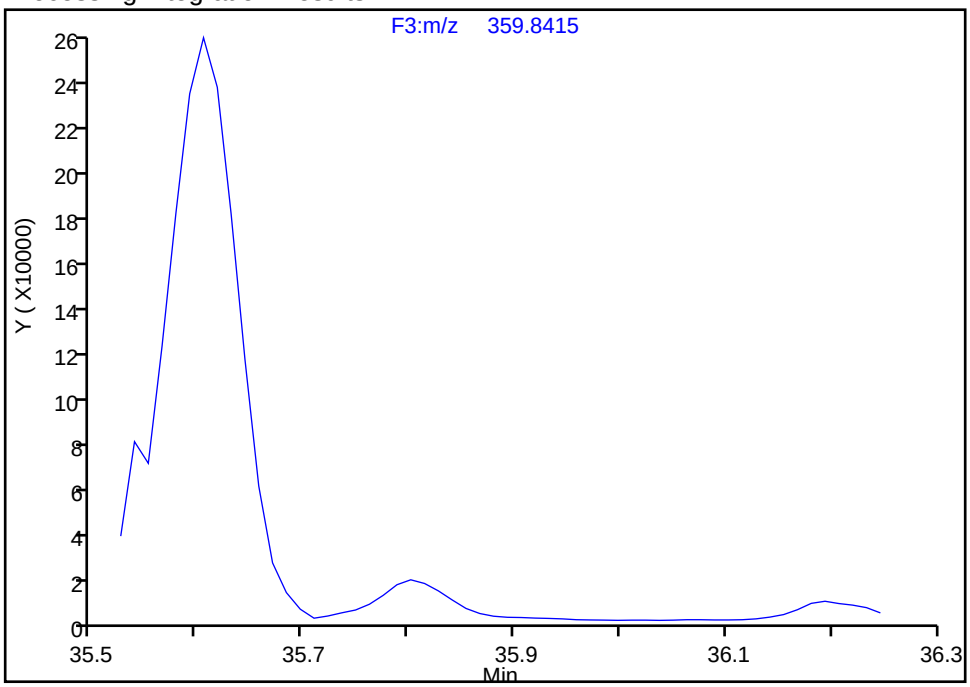
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

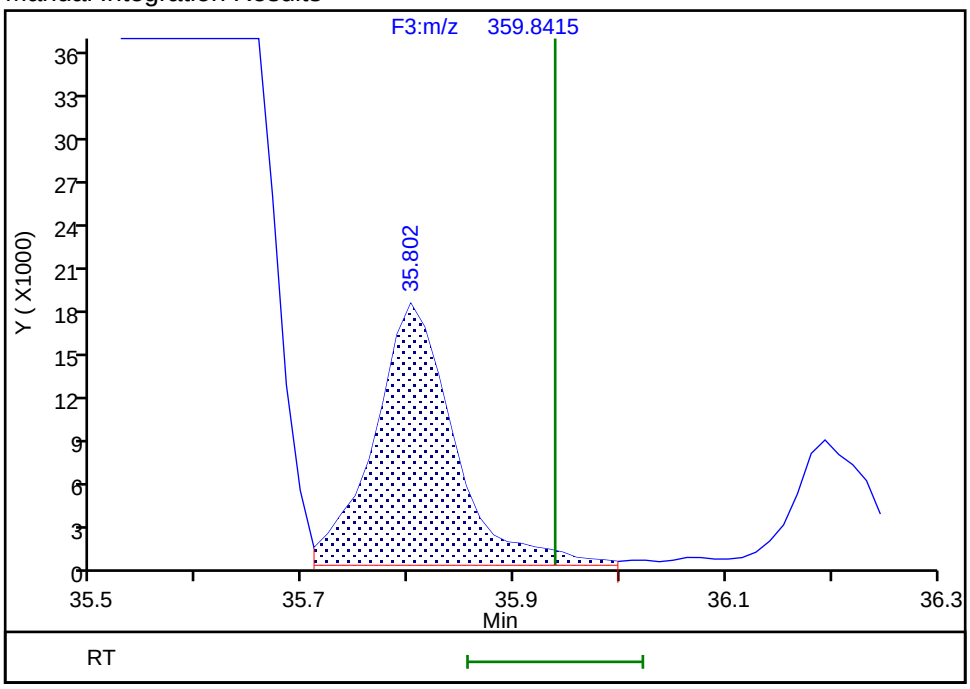
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.80
Area: 94530
Amount: 7.189436
Amount Units: pg/ul



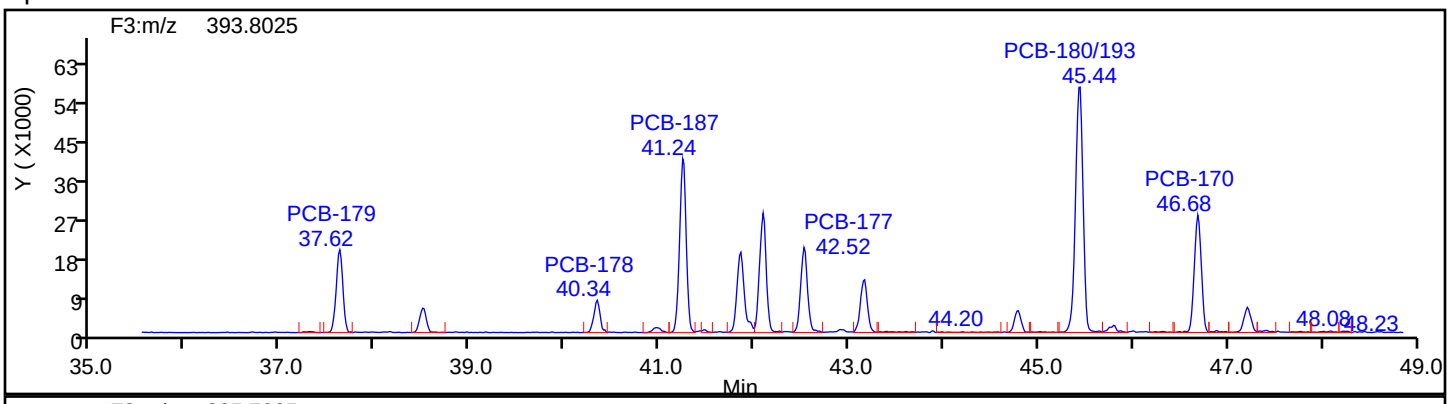

Reviewer: davidsonm, 10-Oct-2019 09:53:25
Audit Action: Assigned Compound ID Audit Reason: Baseline

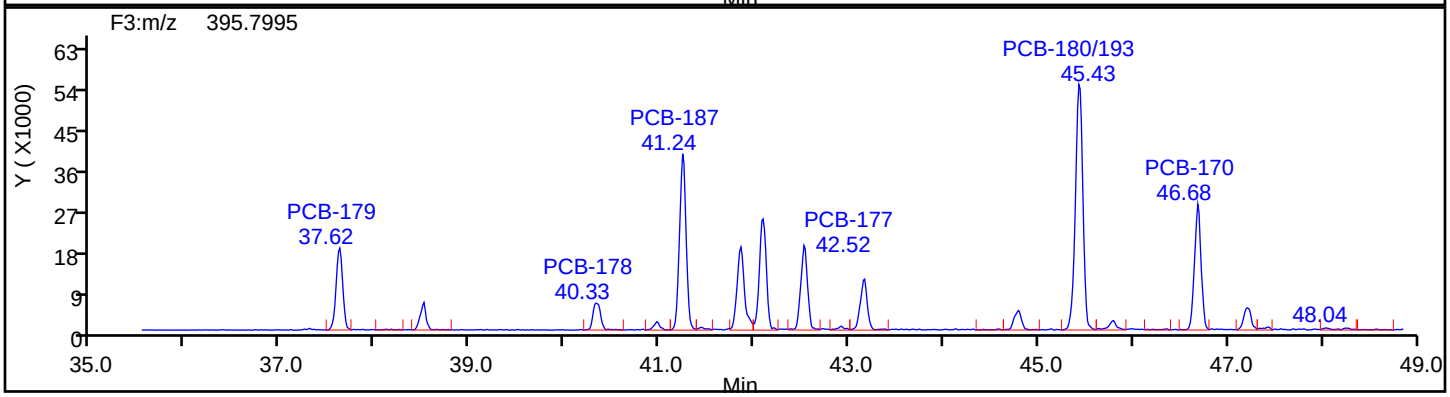
Report Date: 10-Oct-2019 21:00:59 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

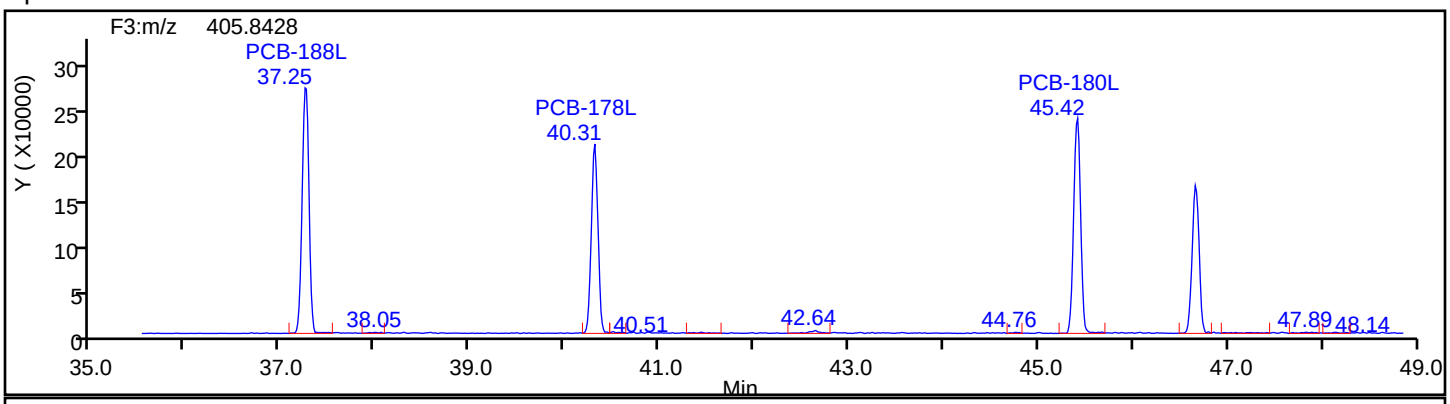
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

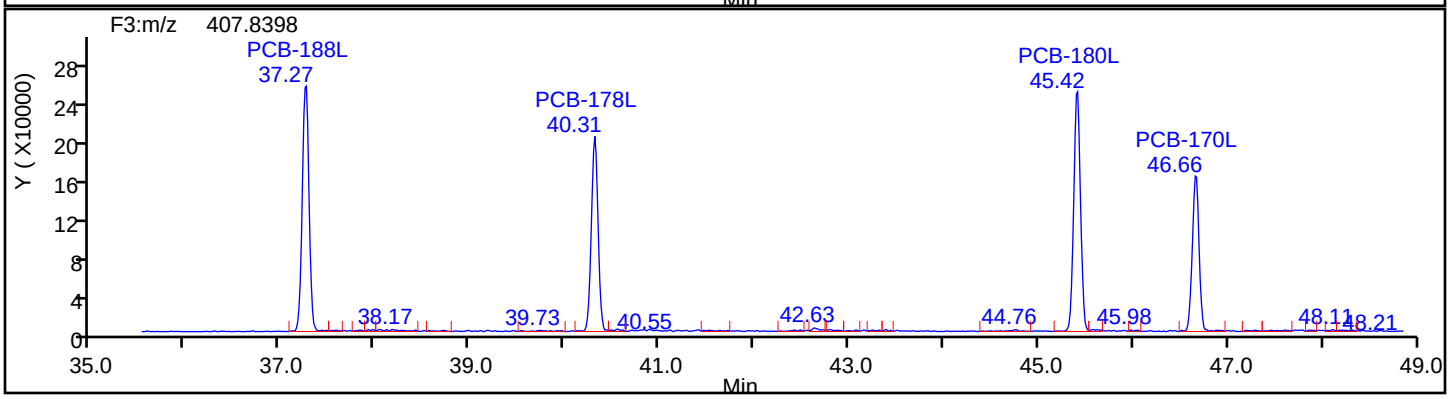
HpPCB F3




HpPCB F3 Standards

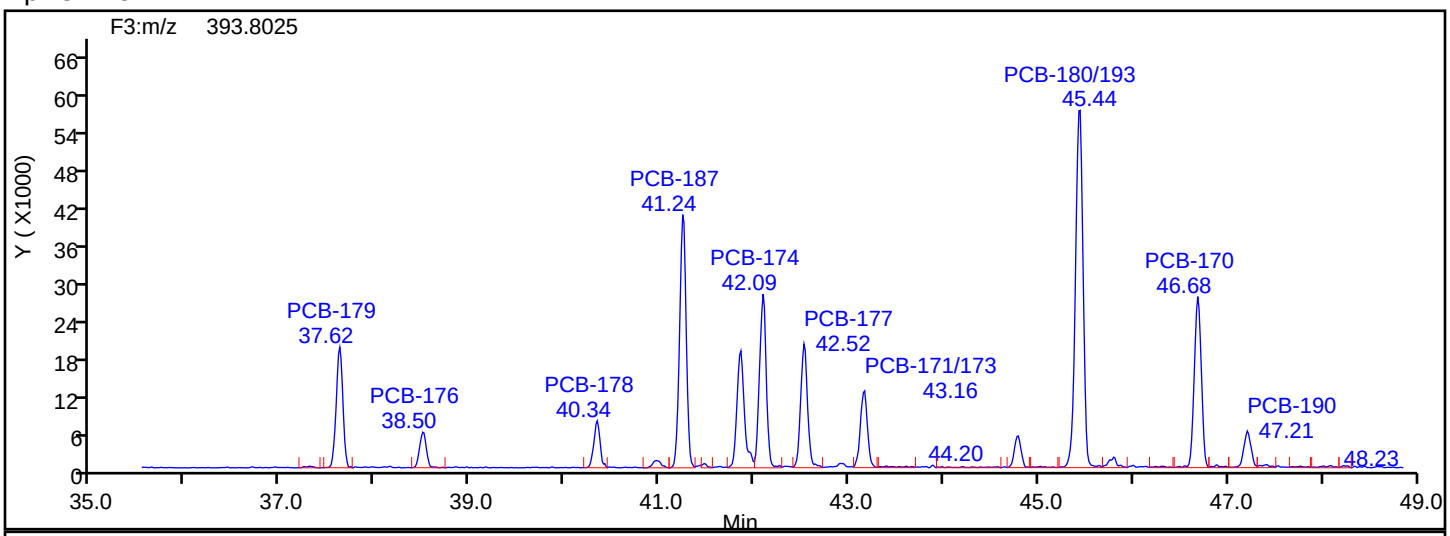


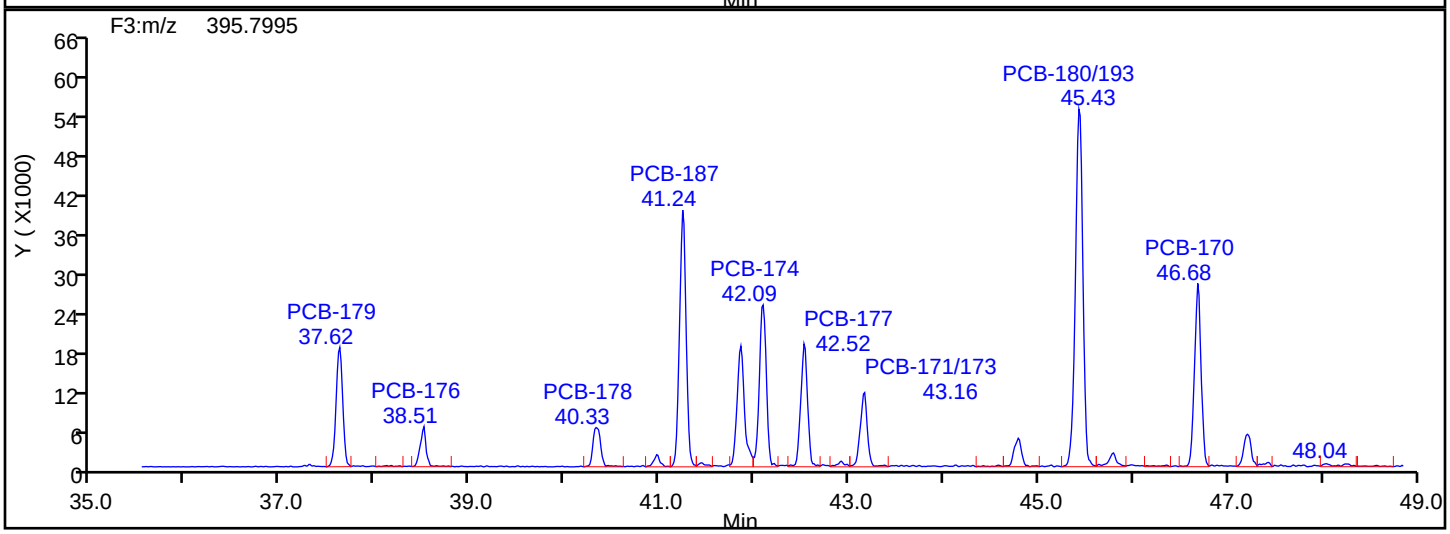



Eurofins TestAmerica, Knoxville

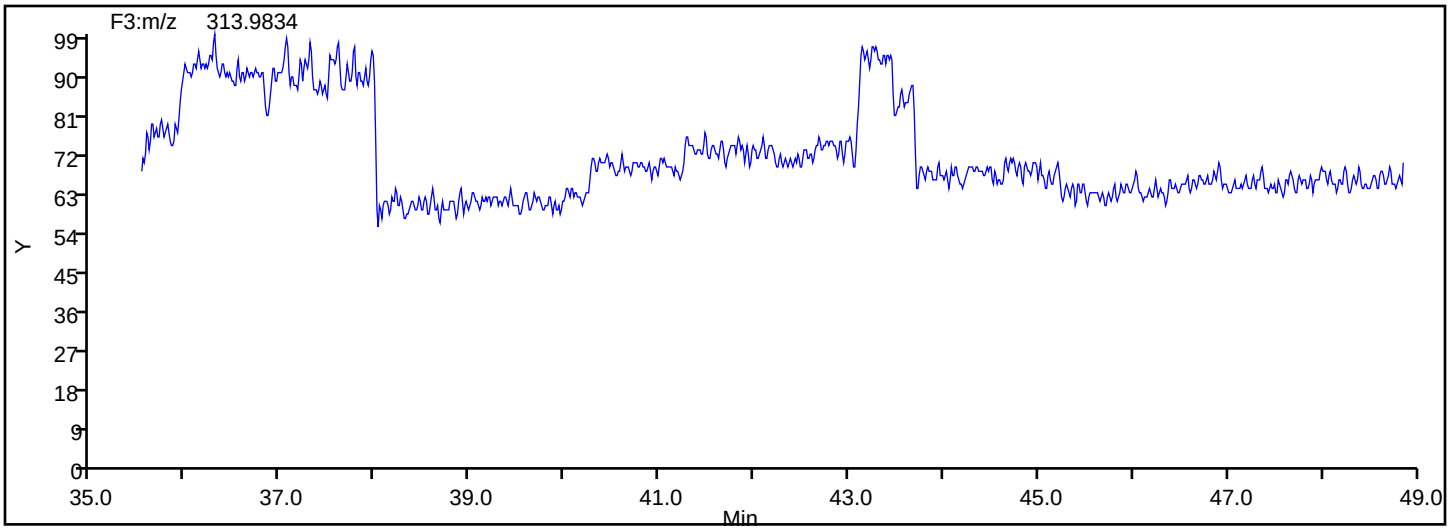
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

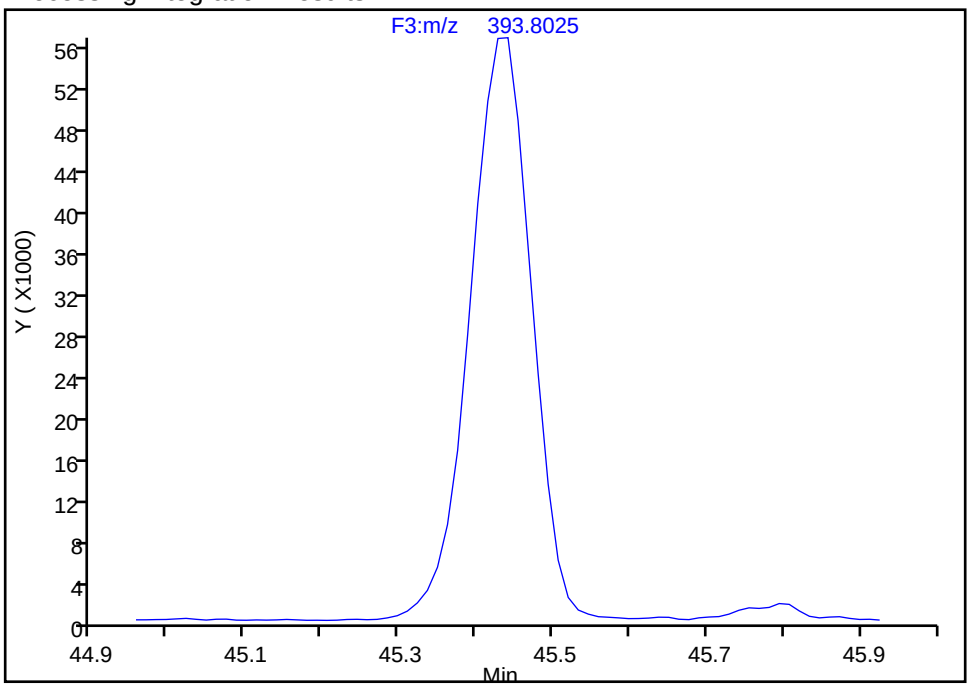
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

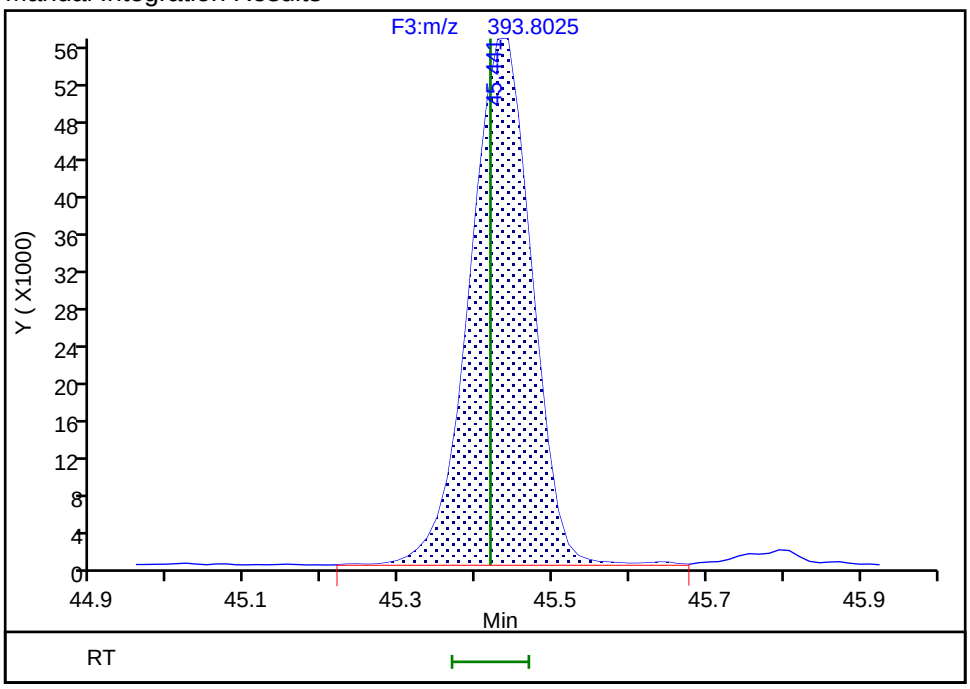
Processing Integration Results

Not Detected
Expected RT: 45.42




Manual Integration Results

RT: 45.44
Area: 317723
Amount: 23.297033
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:54:04
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

| | | | |
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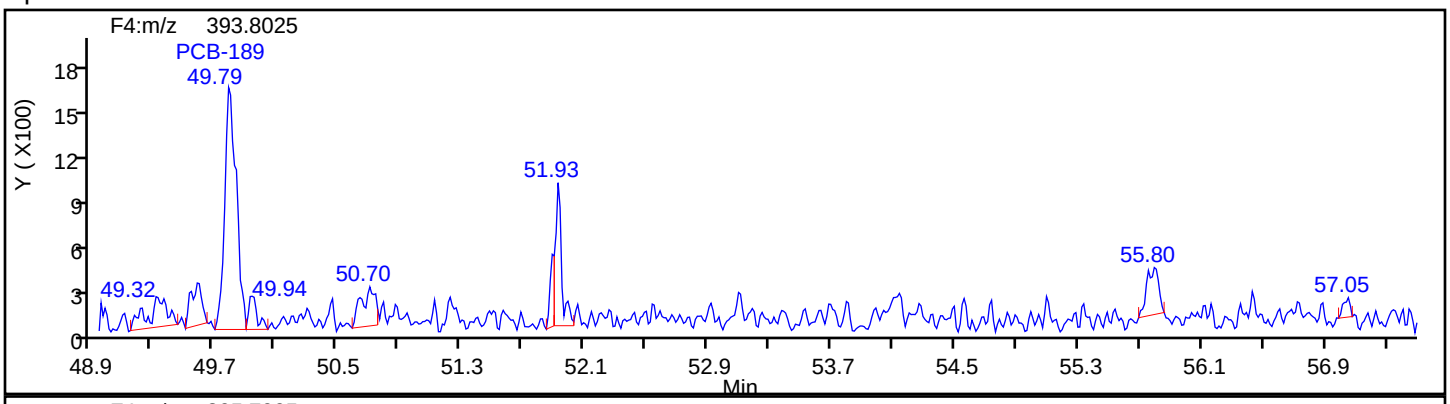
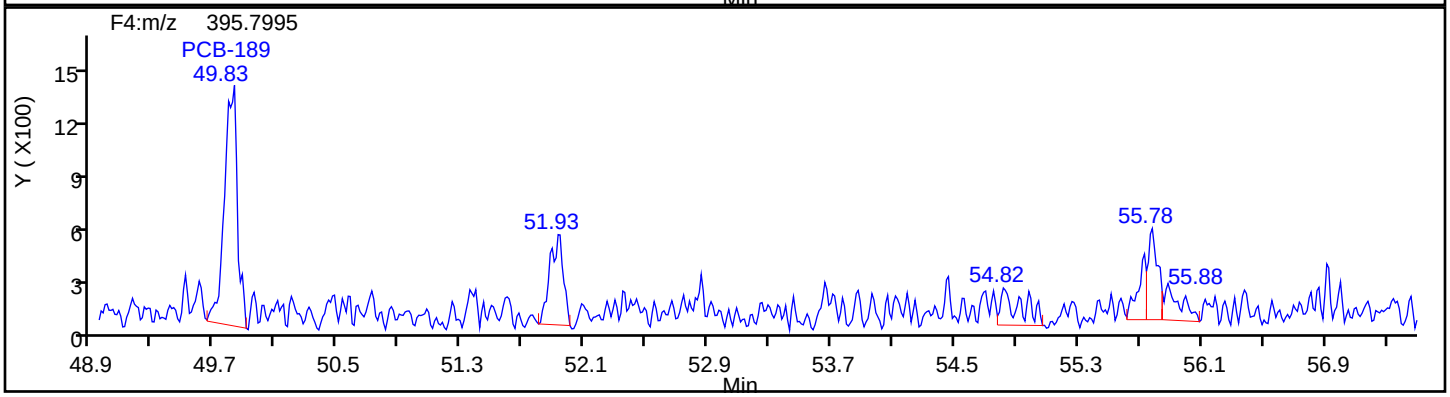
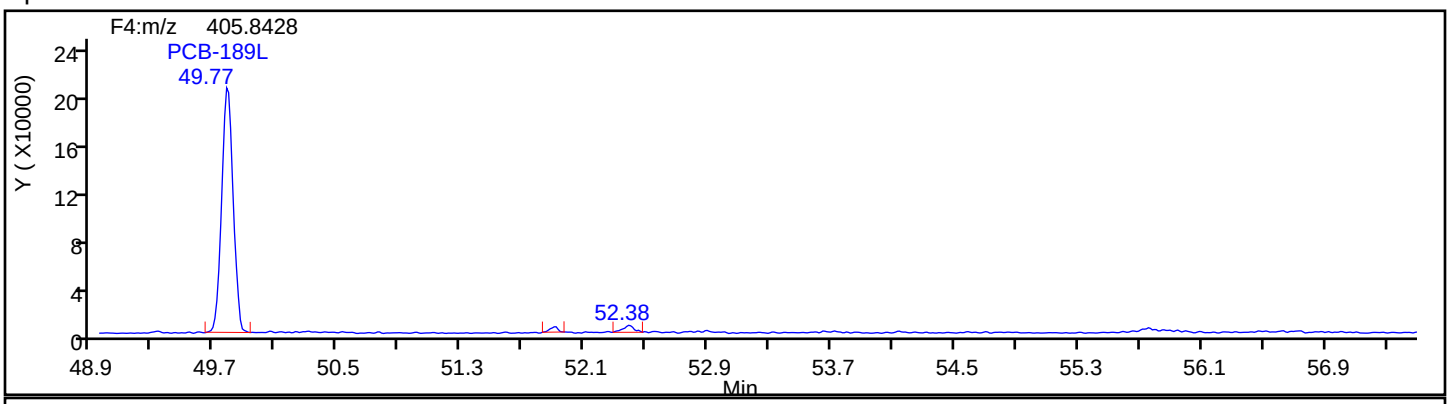
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

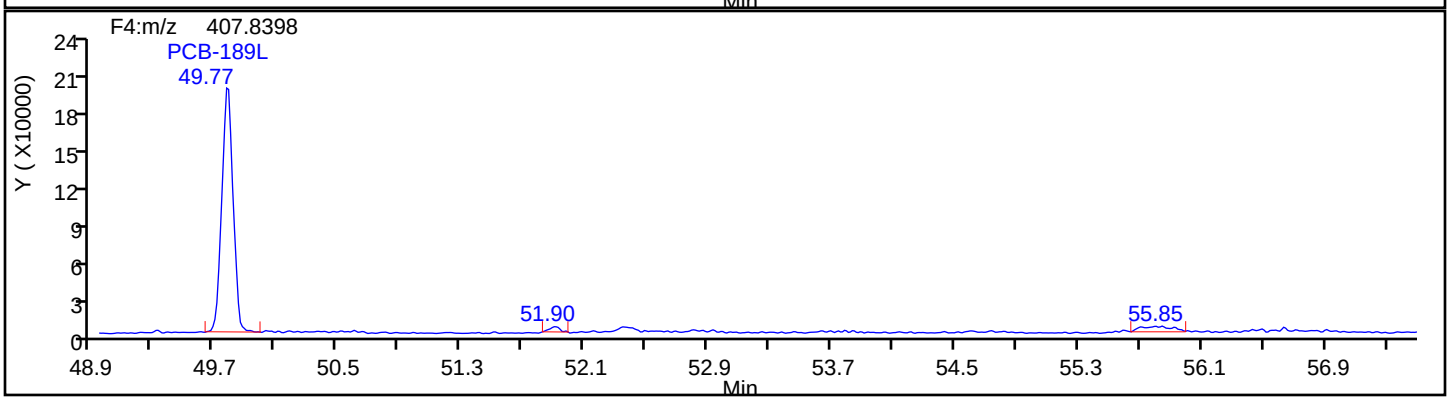
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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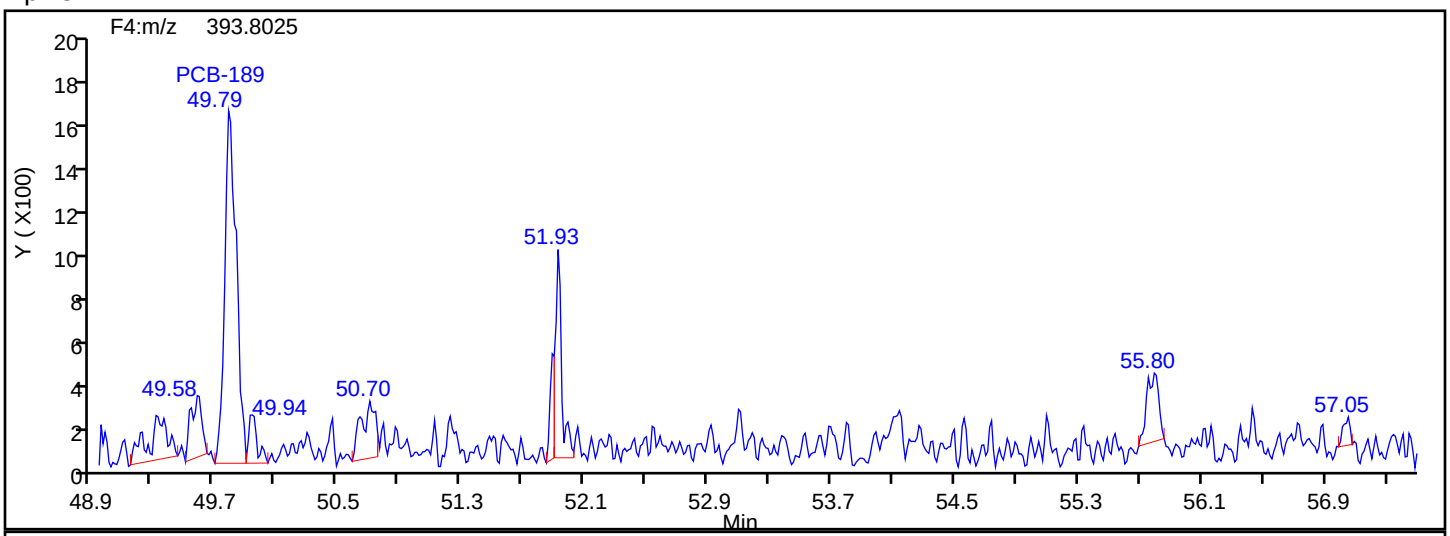
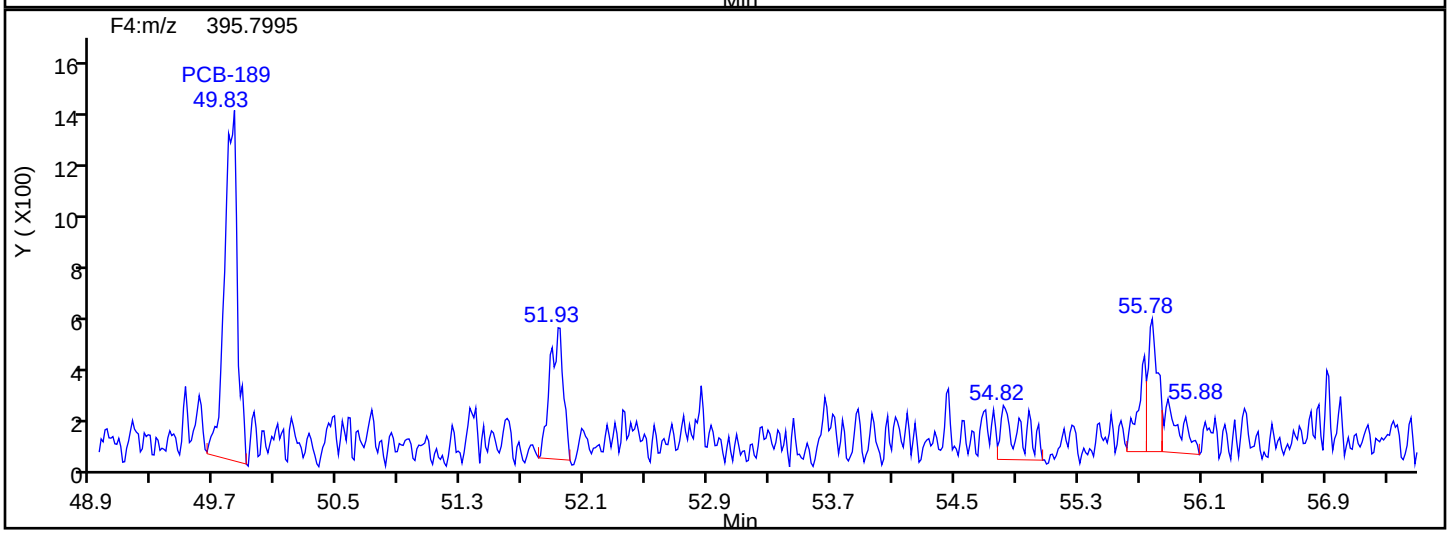
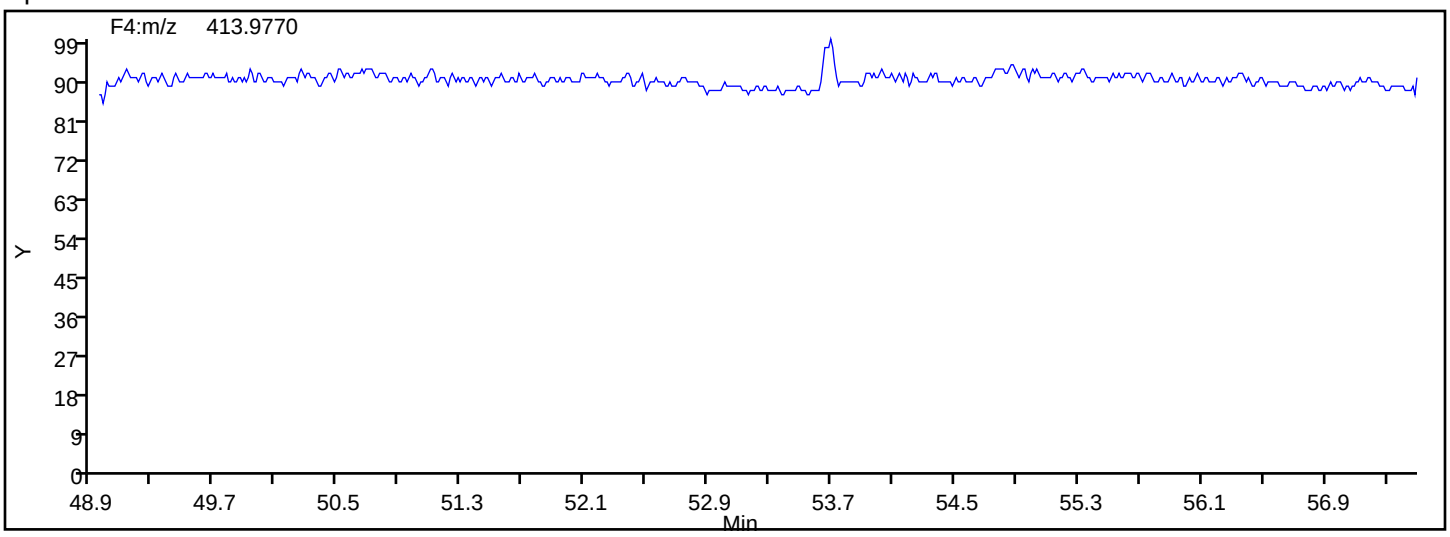
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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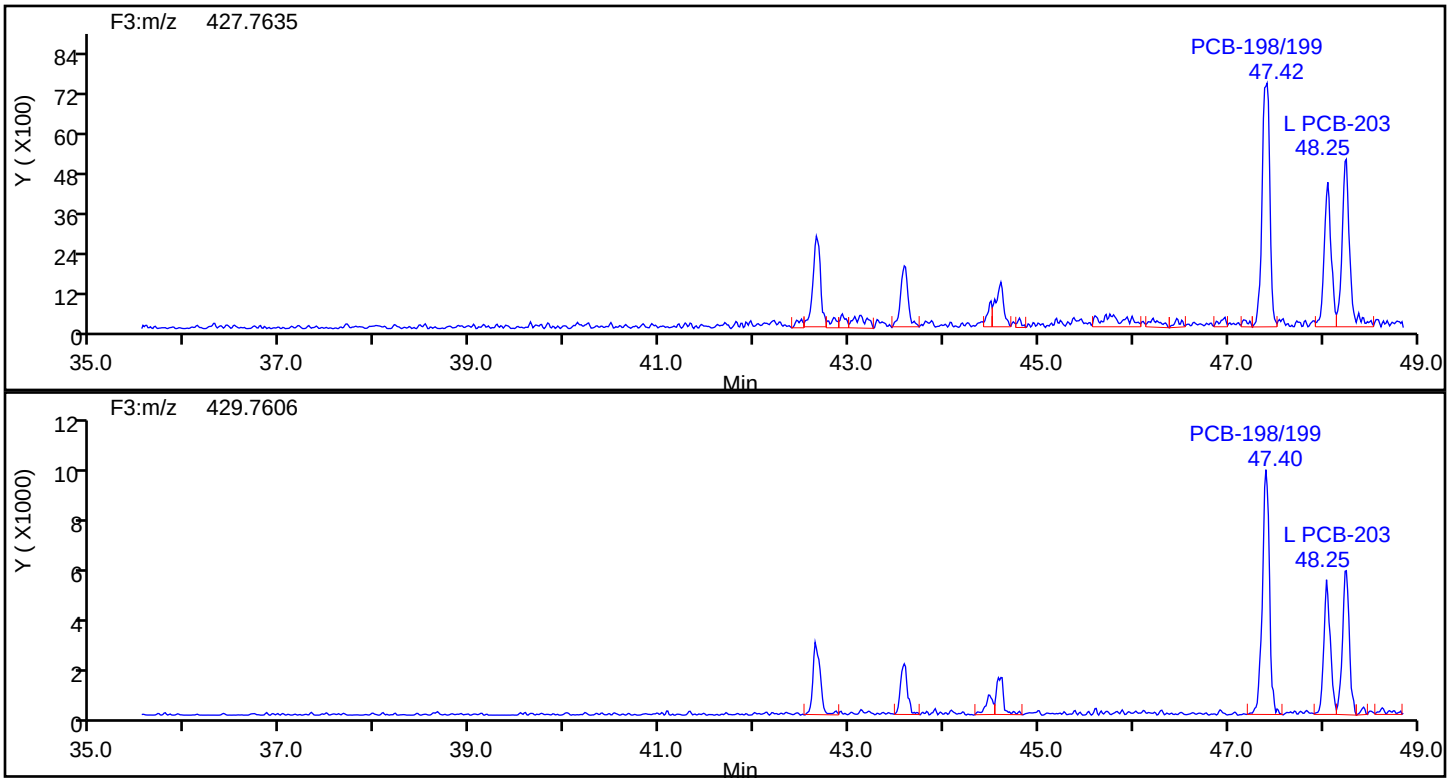
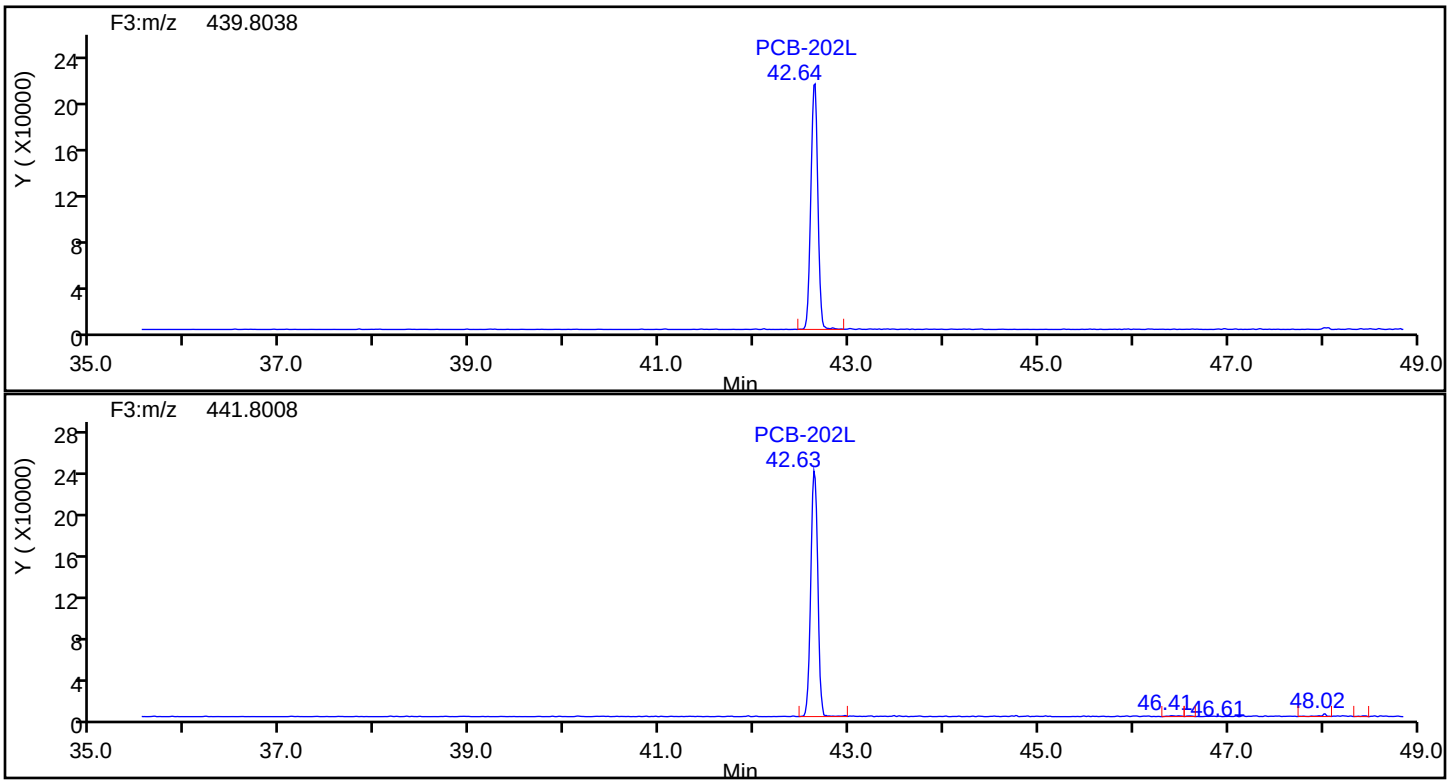
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



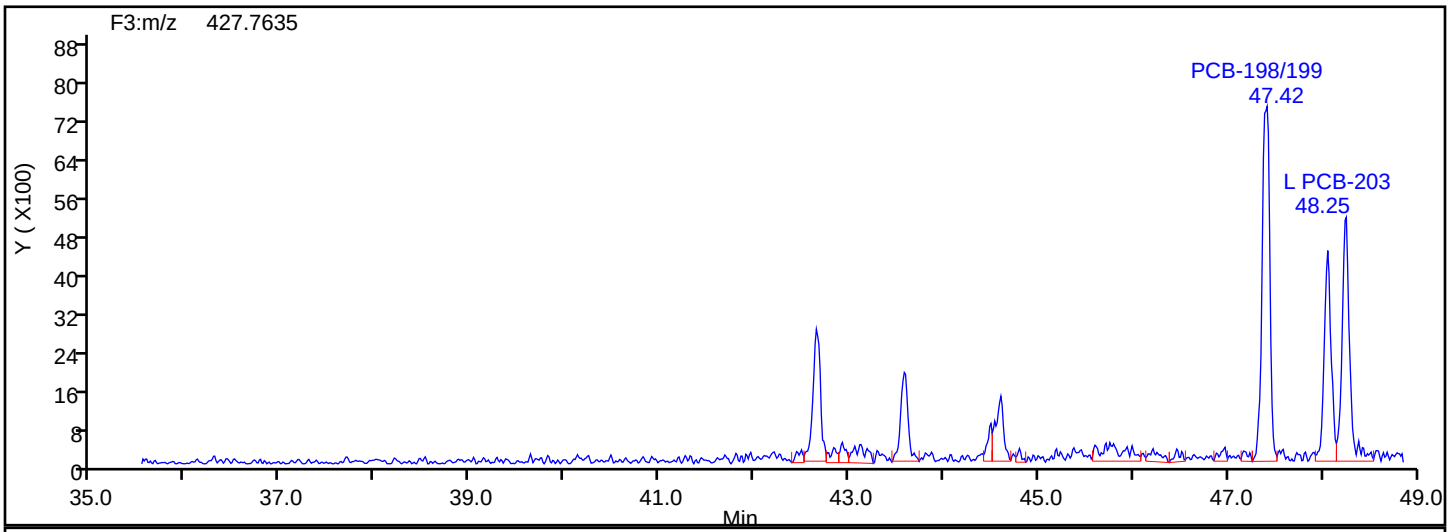

OcPCB F3 Standards

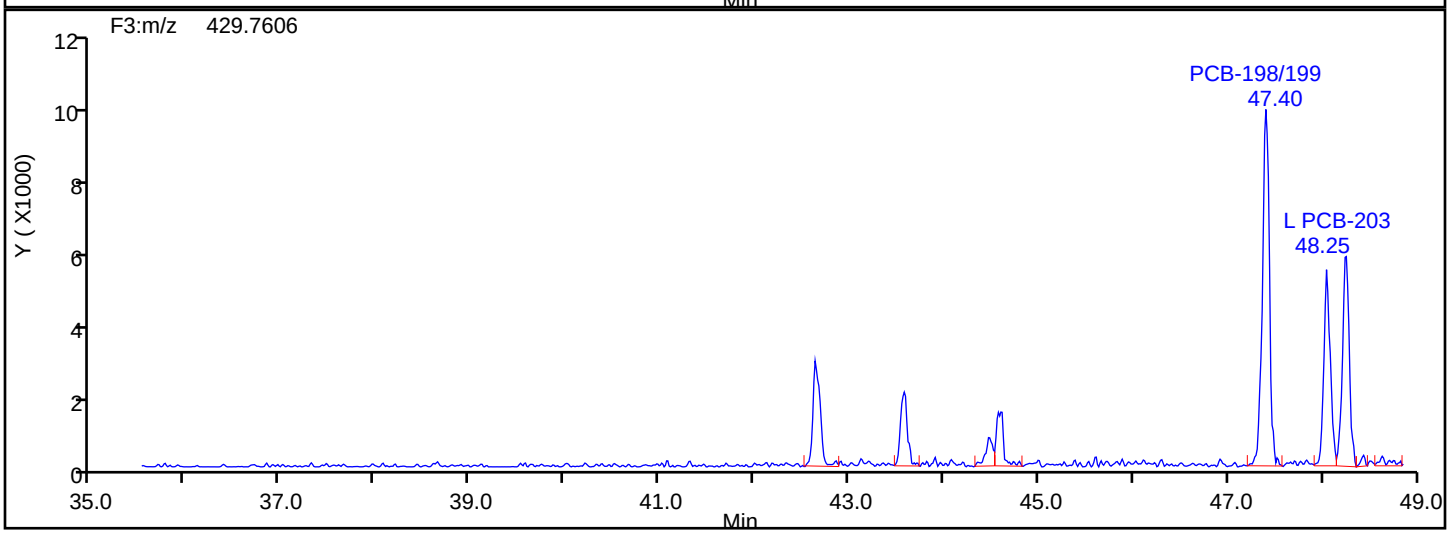


Eurofins TestAmerica, Knoxville

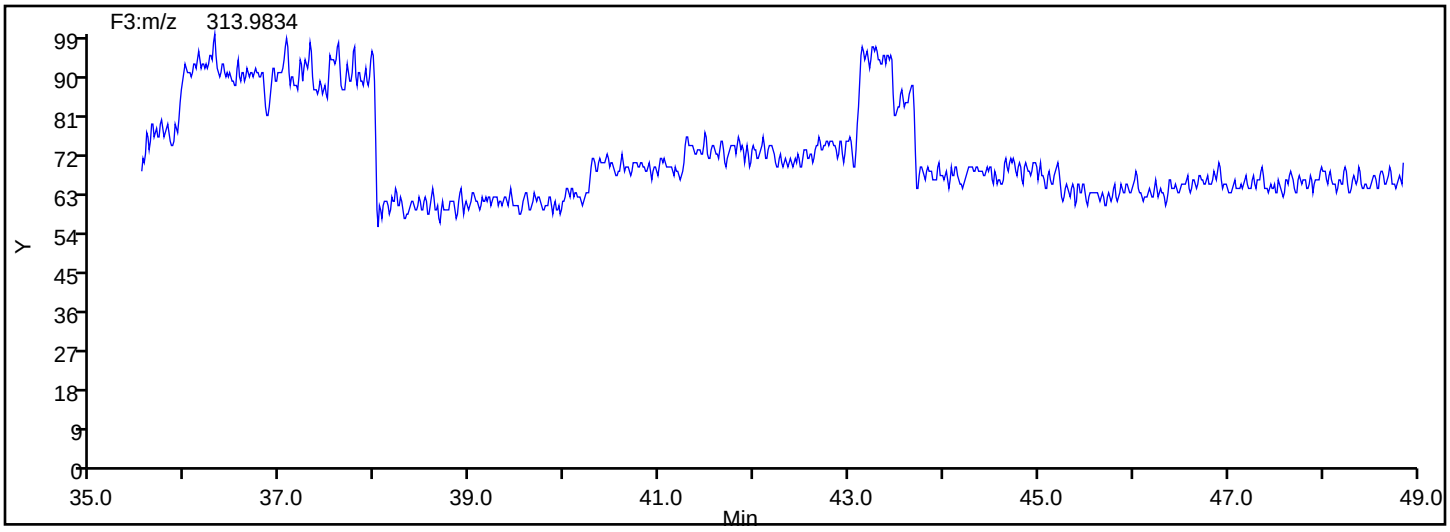
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



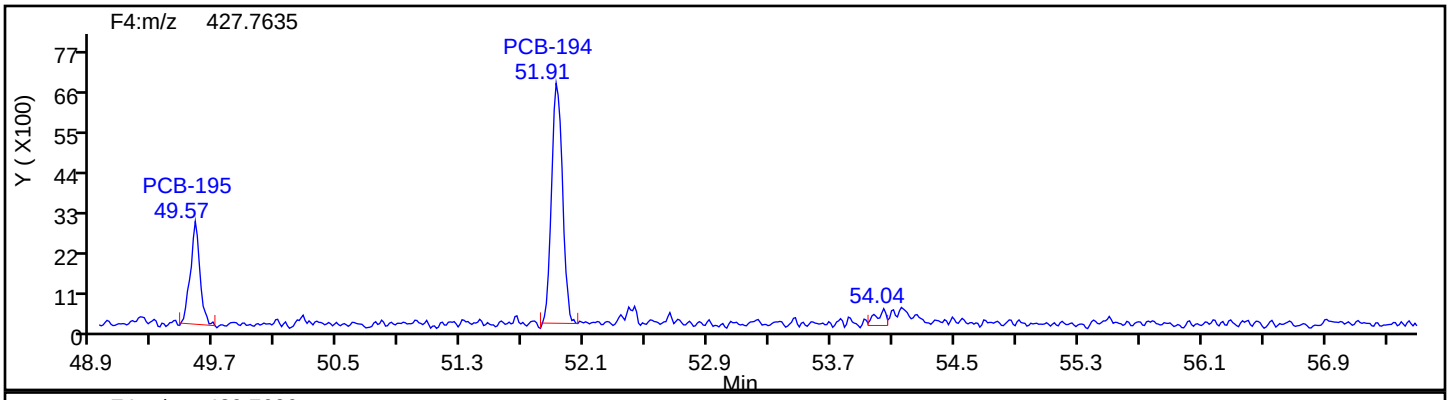

OcPCB F3 Lock Mass

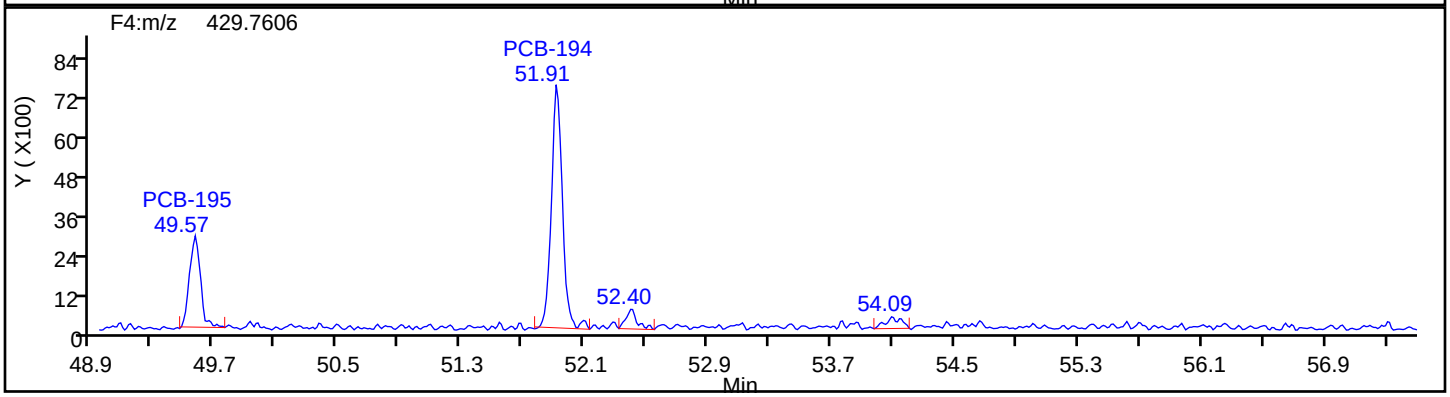


Eurofins TestAmerica, Knoxville

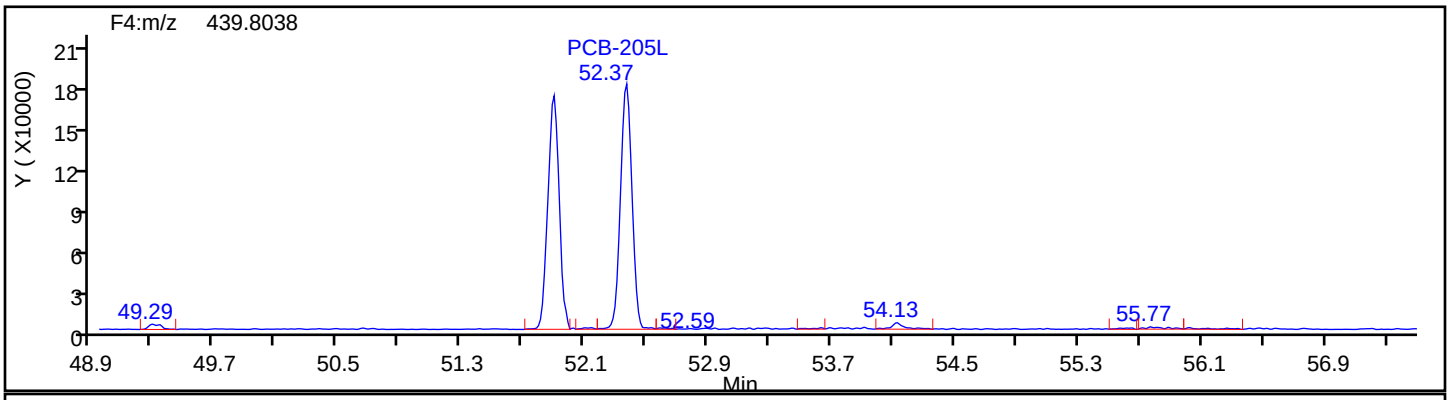
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

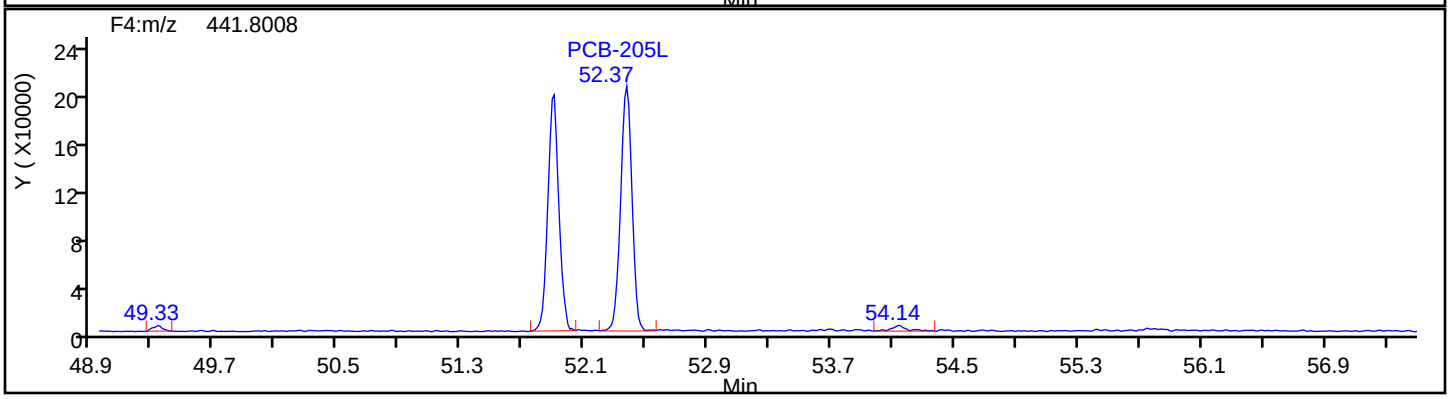
OcPCB F4




OcPCB F4 Standards

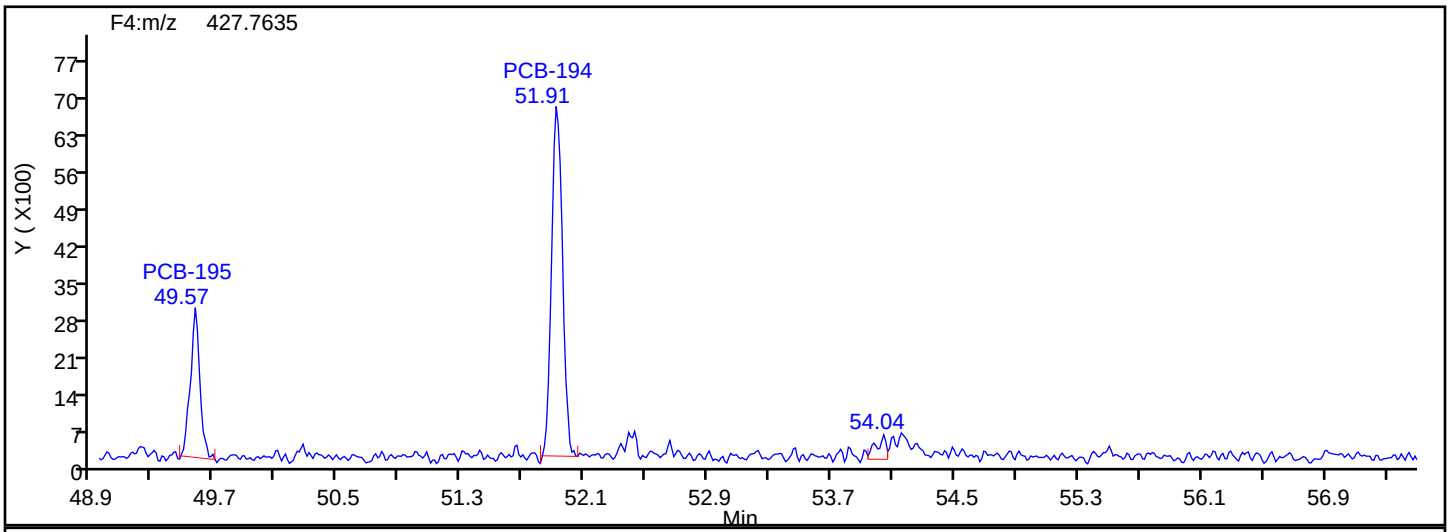


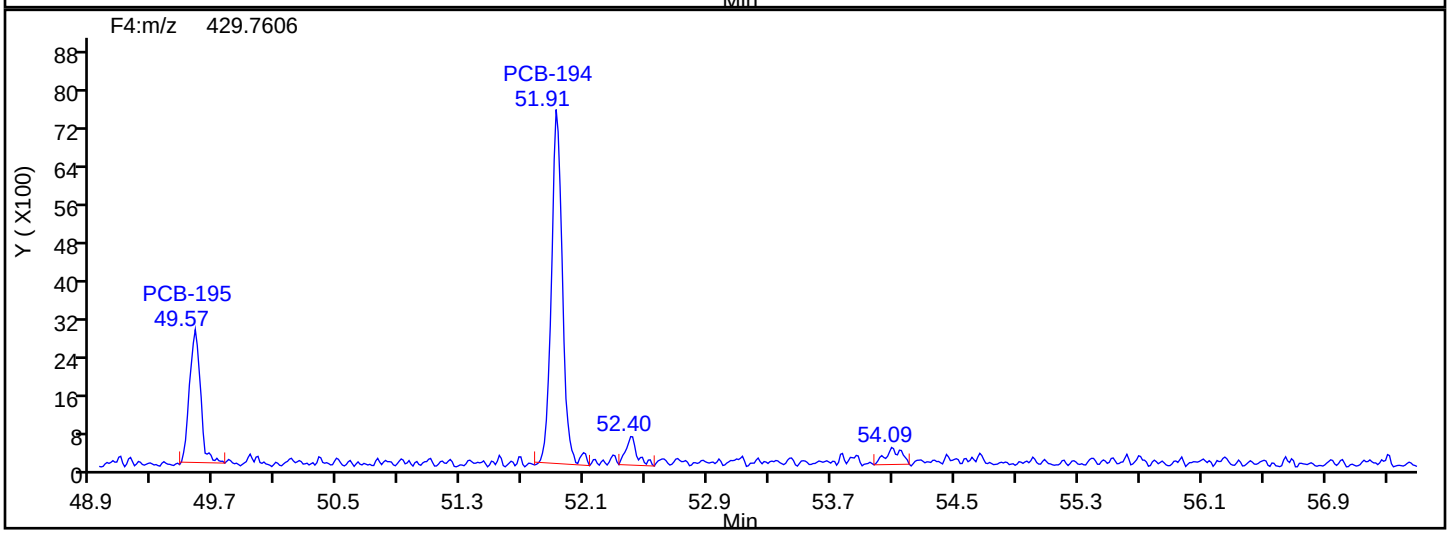



Eurofins TestAmerica, Knoxville

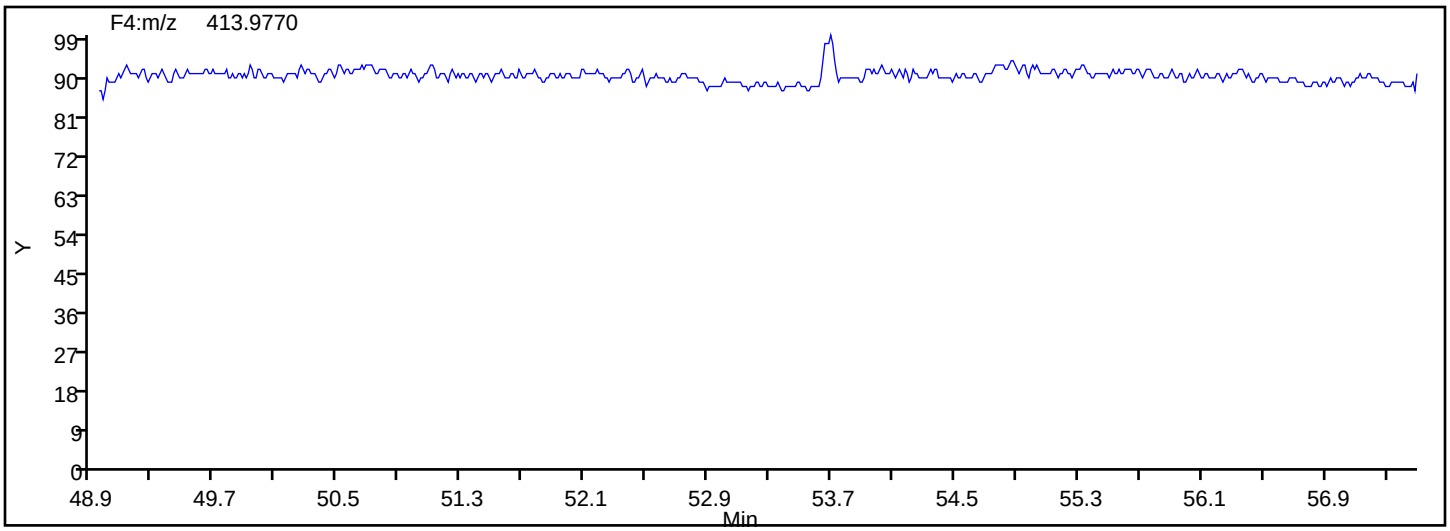
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



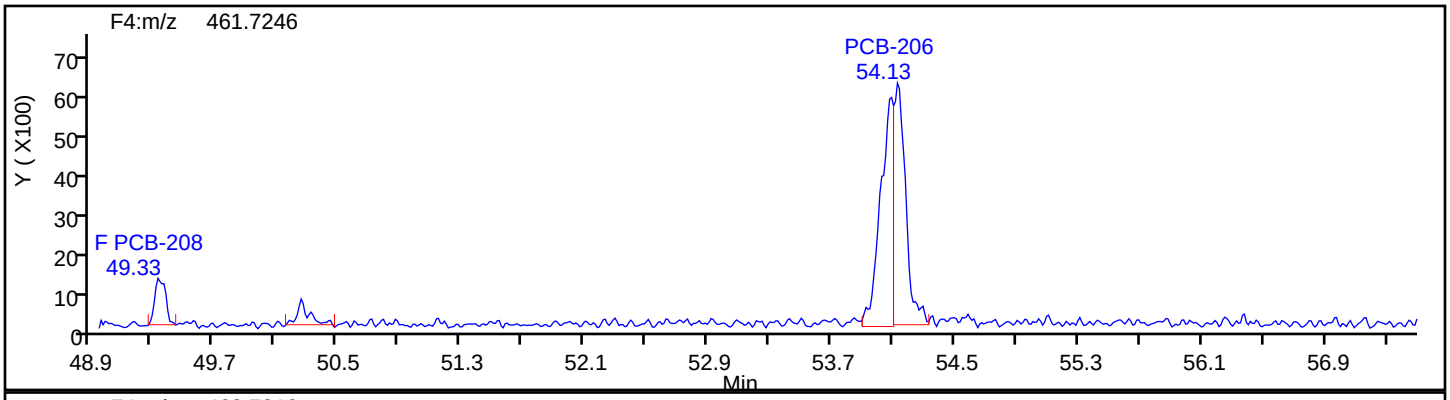

OcPCB F4 Lock Mass

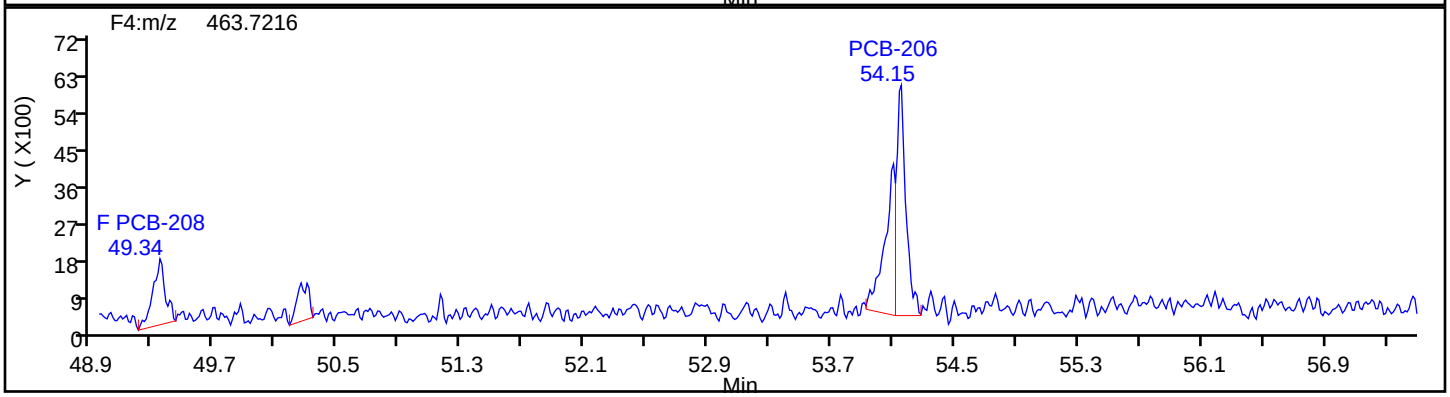


Eurofins TestAmerica, Knoxville

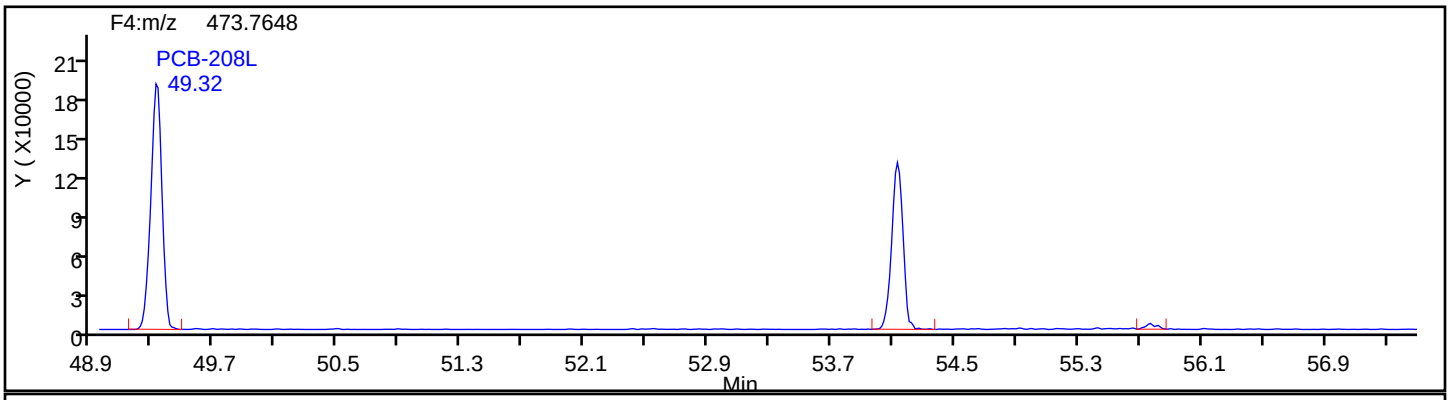
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

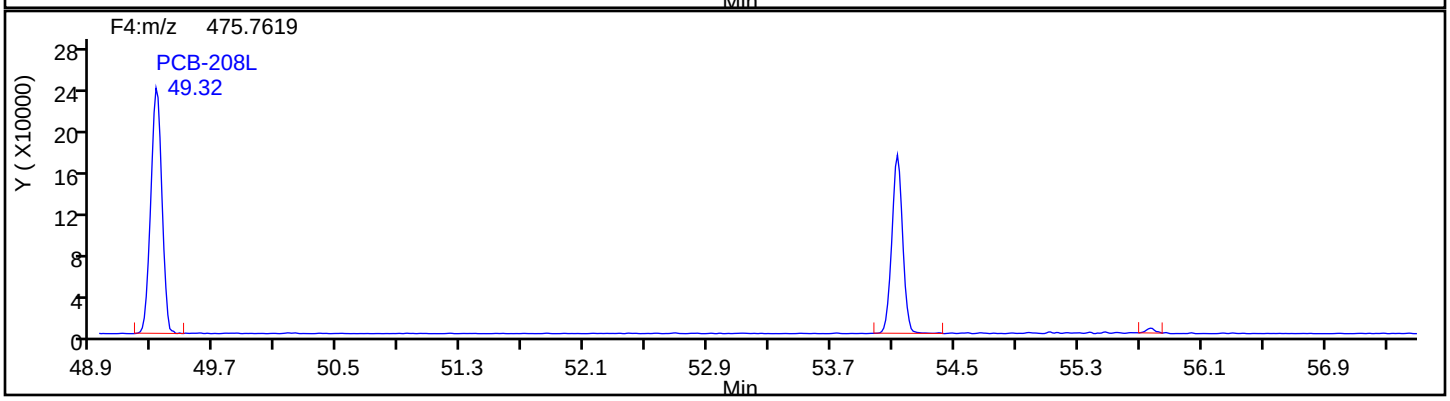
NoPCB F4




NoPCB F4 Standards

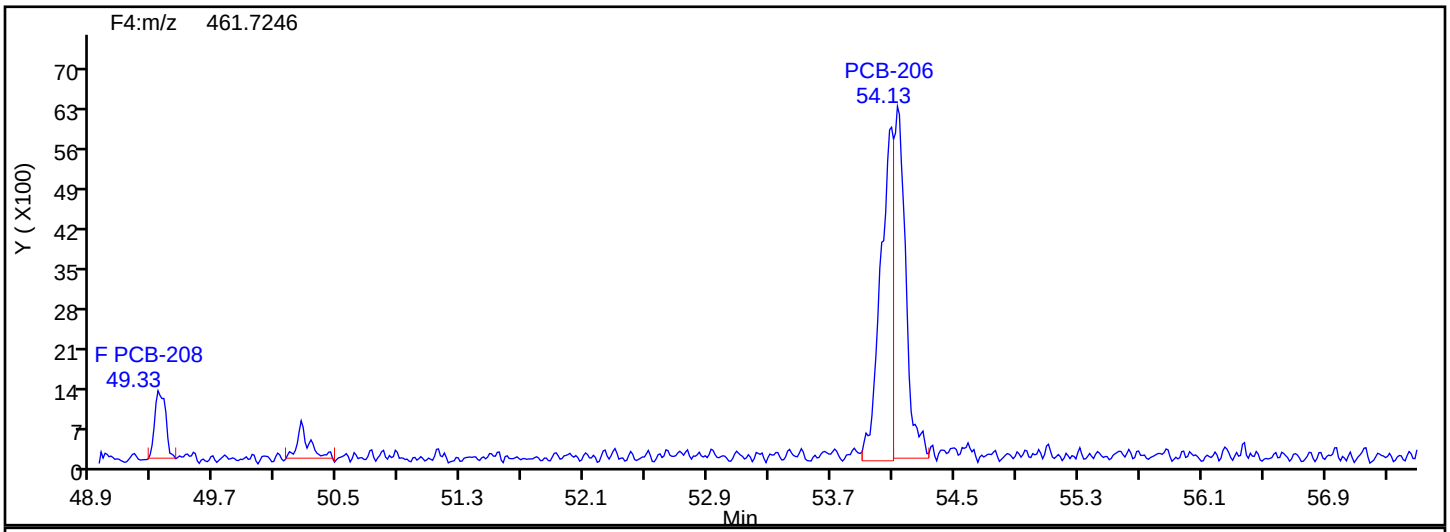


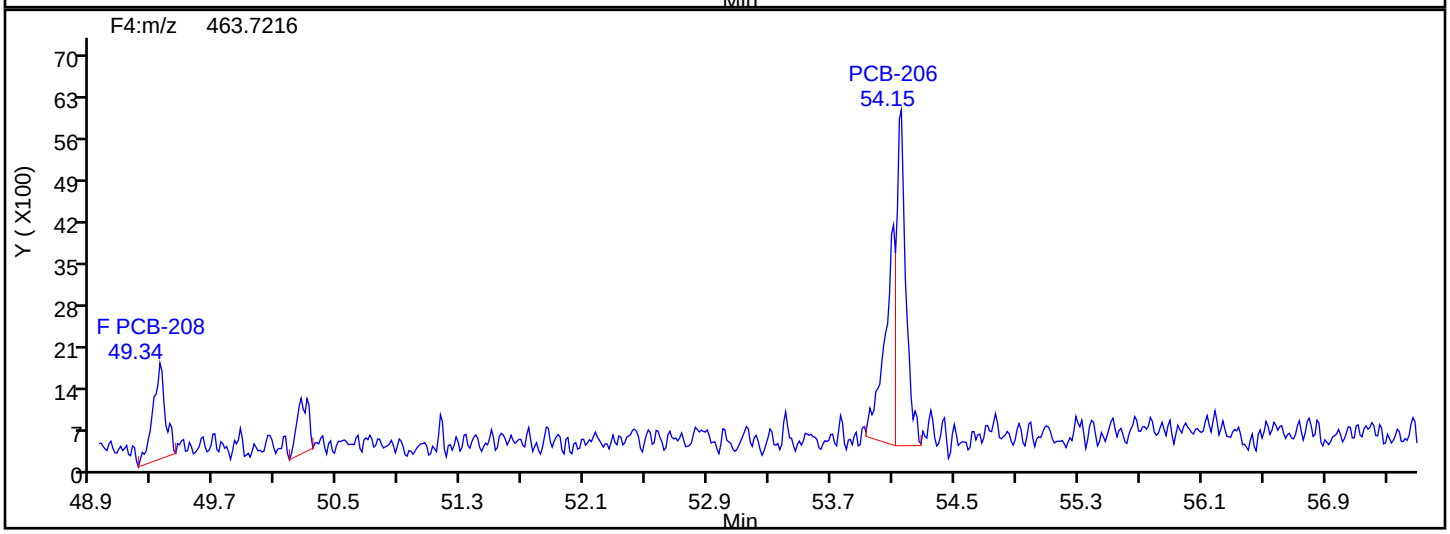



Eurofins TestAmerica, Knoxville

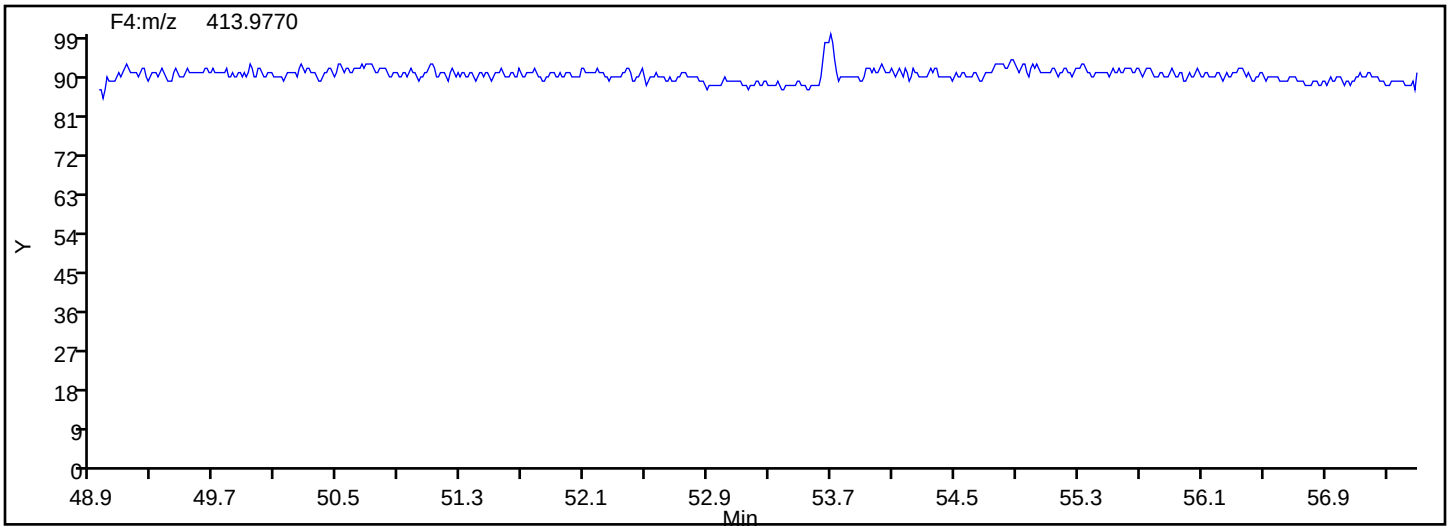
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

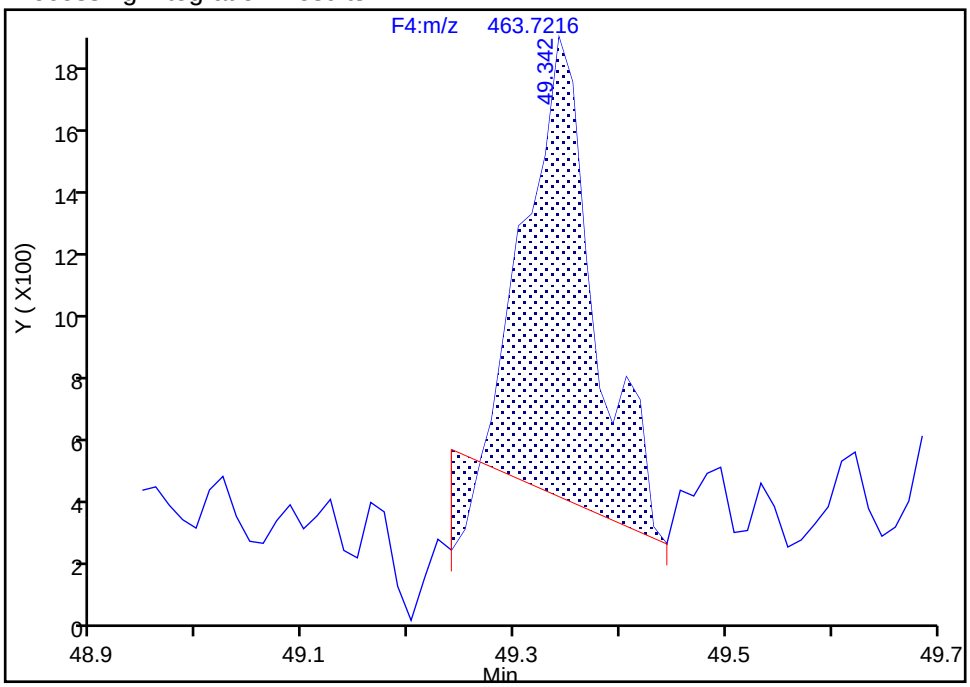
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-208, CAS: 52663-77-1

Signal: 2

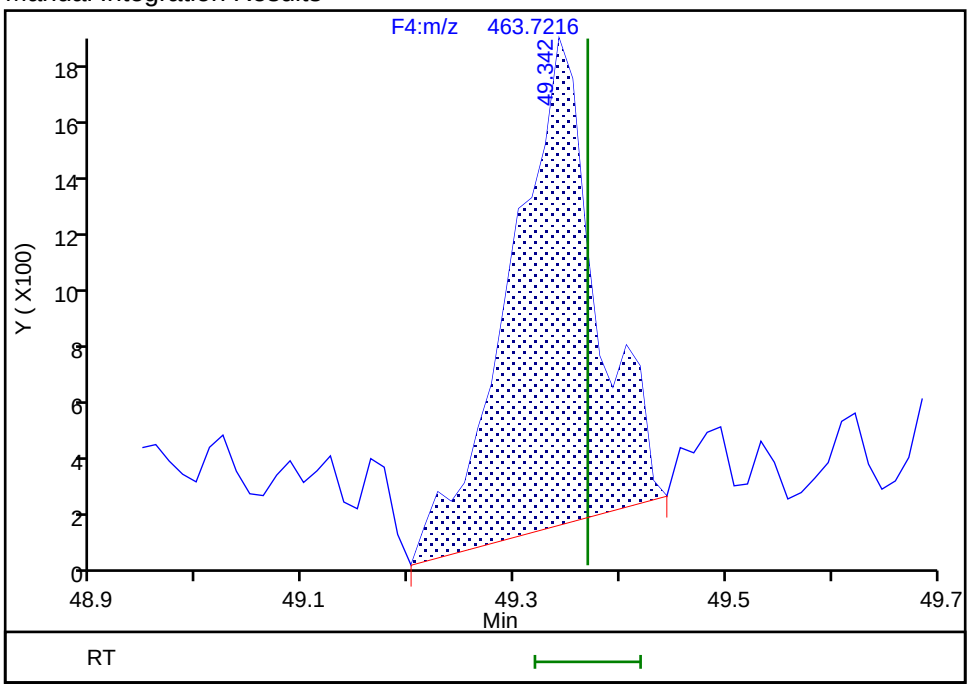
Processing Integration Results

RT: 49.34
Area: 5813
Amount: 0.468208
Amount Units: pg/ul




Manual Integration Results

RT: 49.34
Area: 9008
Amount: 0.597011
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:54:30

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

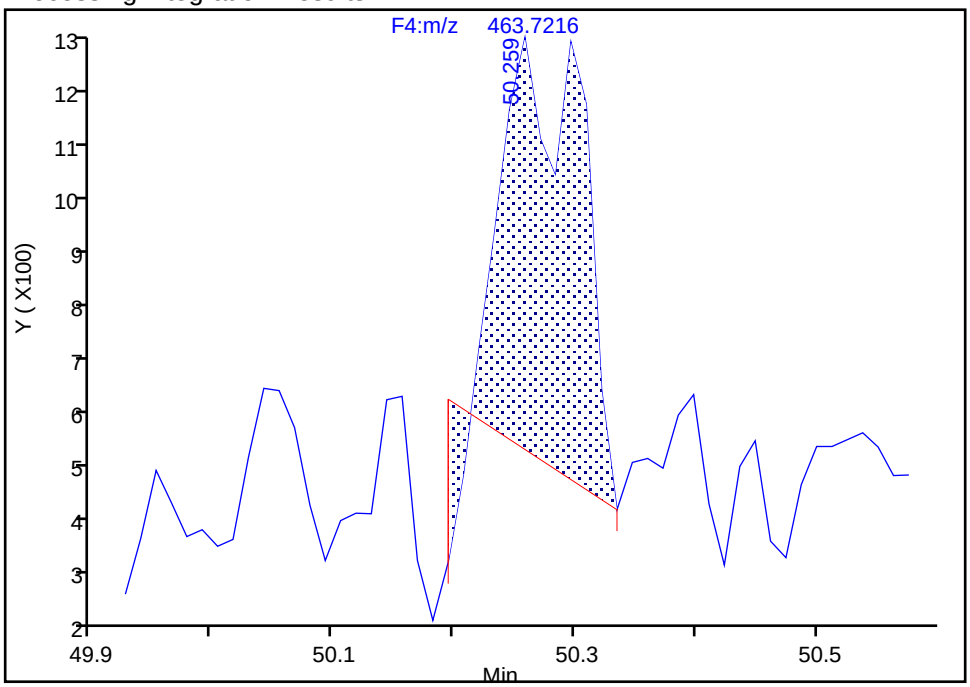
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-207, CAS: 52663-79-3

Signal: 2

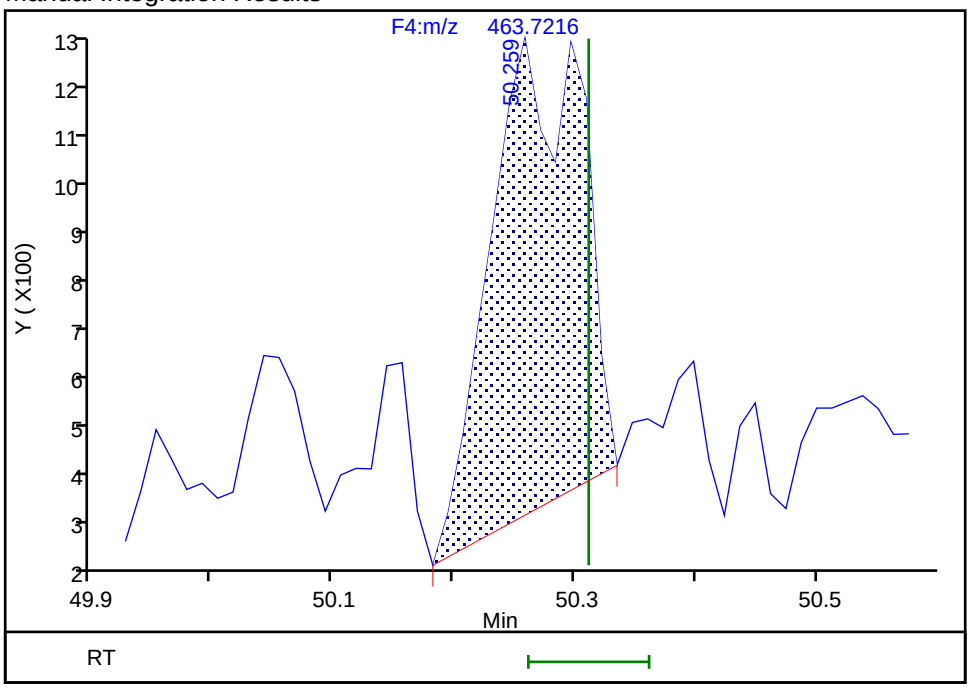
Processing Integration Results

RT: 50.26
Area: 3217
Amount: 0.257808
Amount Units: pg/ul




Manual Integration Results

RT: 50.26
Area: 4809
Amount: 0.320459
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 09:54:39

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

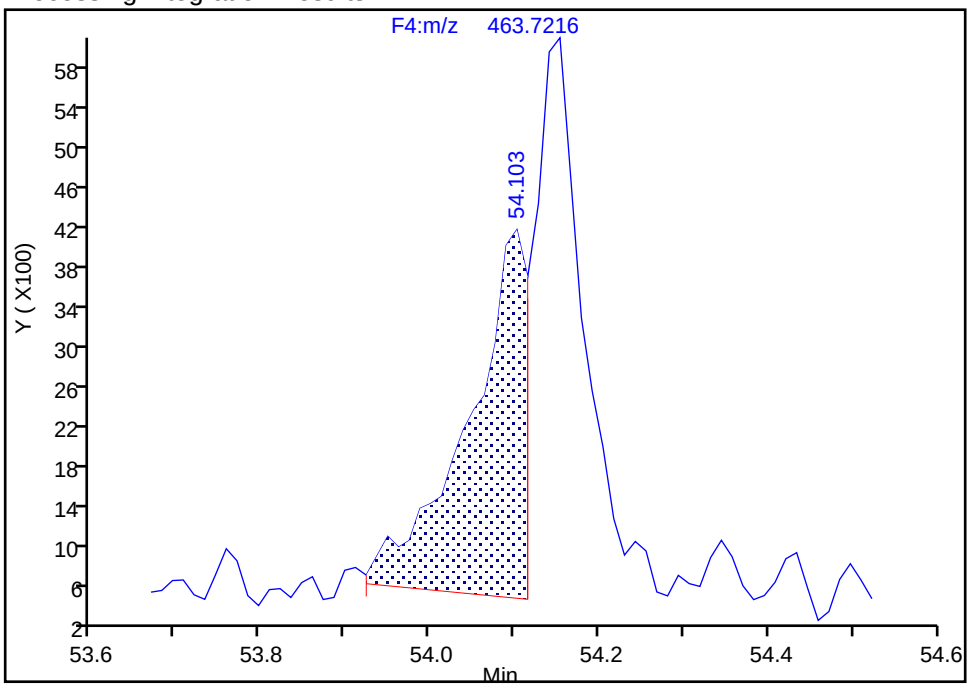
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

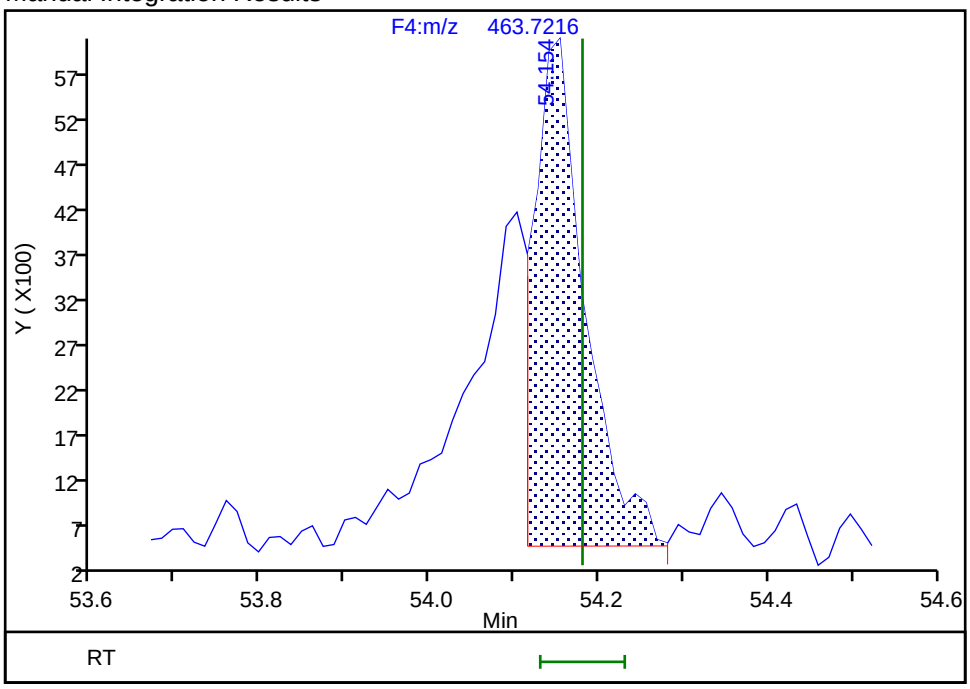
Processing Integration Results

RT: 54.10
Area: 17012
Amount: 2.774143
Amount Units: pg/ul




Manual Integration Results

RT: 54.15
Area: 22489
Amount: 3.081297
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 21:00:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

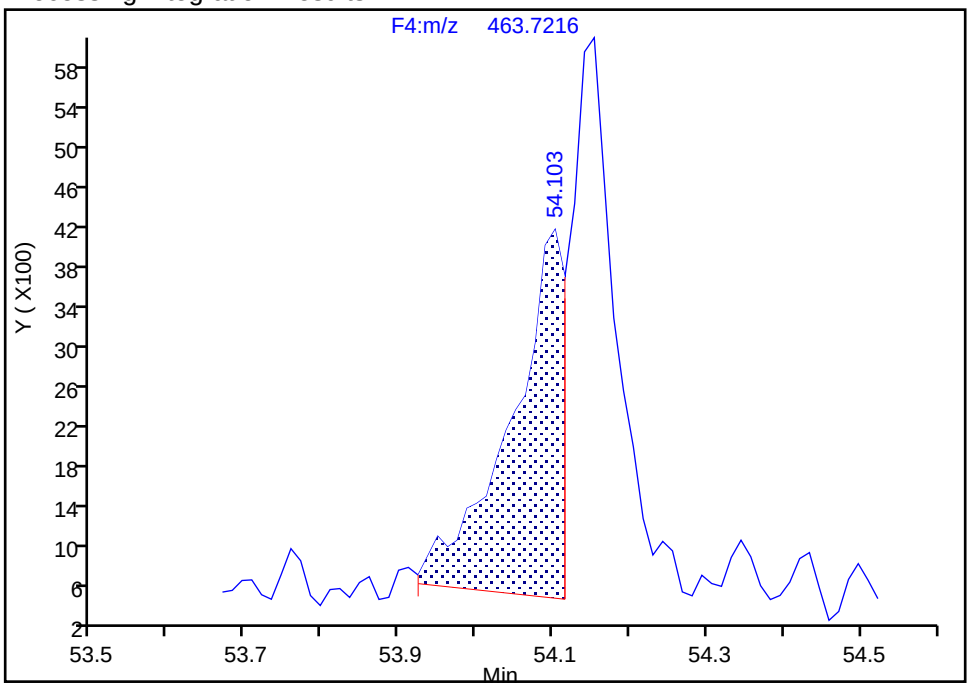
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 3

Processing Integration Results

RT: 54.13
Area: 49467
Amount: 2.774143
Amount Units: pg/ul




Manual Integration Results

RT: 54.13
Area: 54944
Amount: 3.081297
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 21:00:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

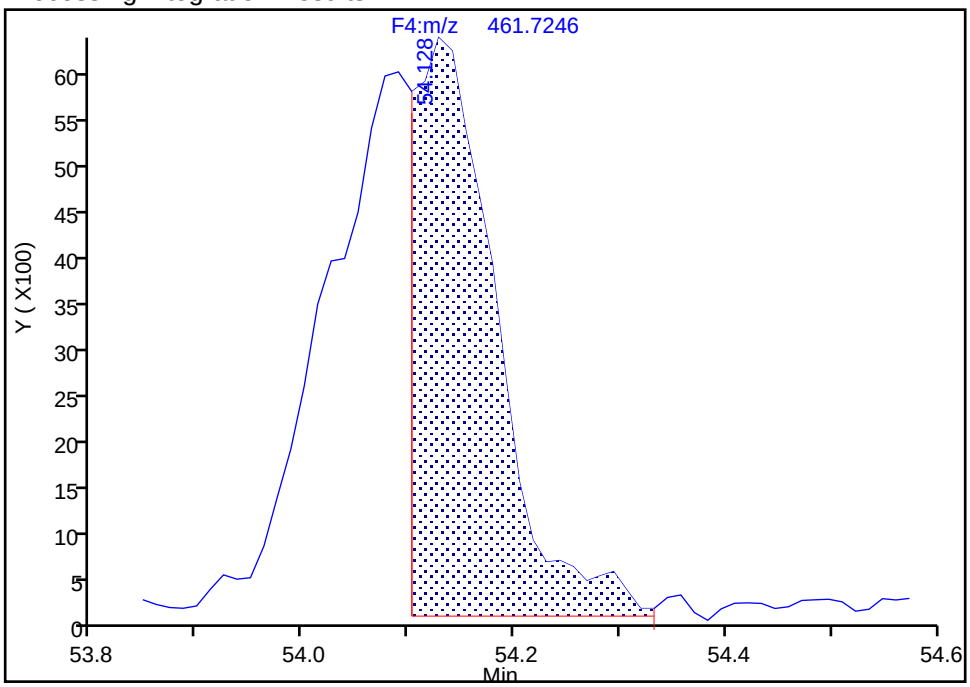
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-F | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

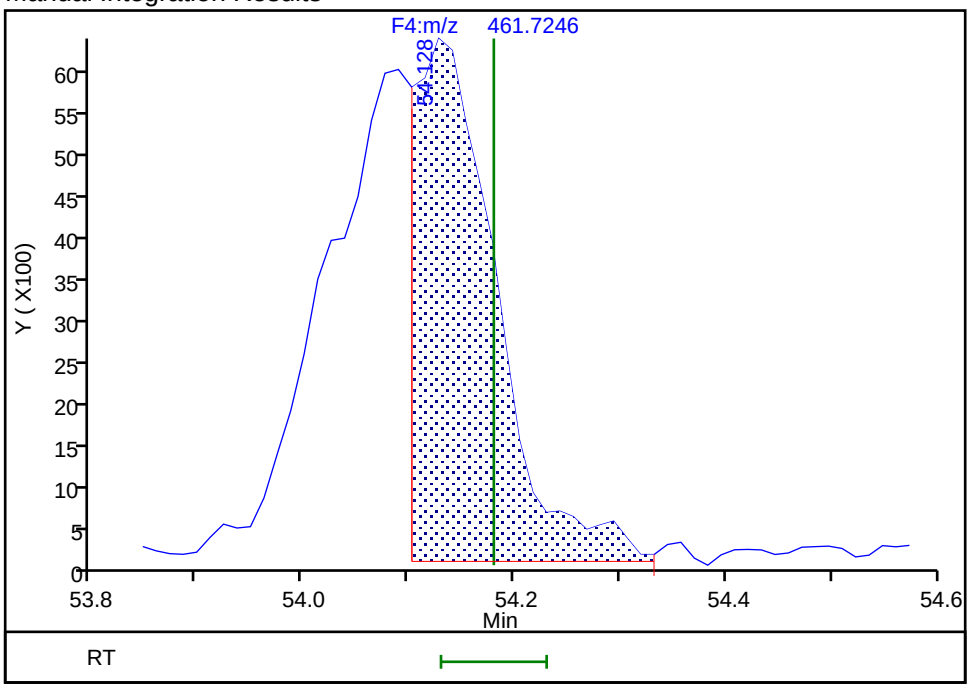
Processing Integration Results

RT: 54.13
Area: 32455
Amount: 2.774143
Amount Units: pg/ul




Manual Integration Results

RT: 54.13
Area: 32455
Amount: 3.081297
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 21:00:51

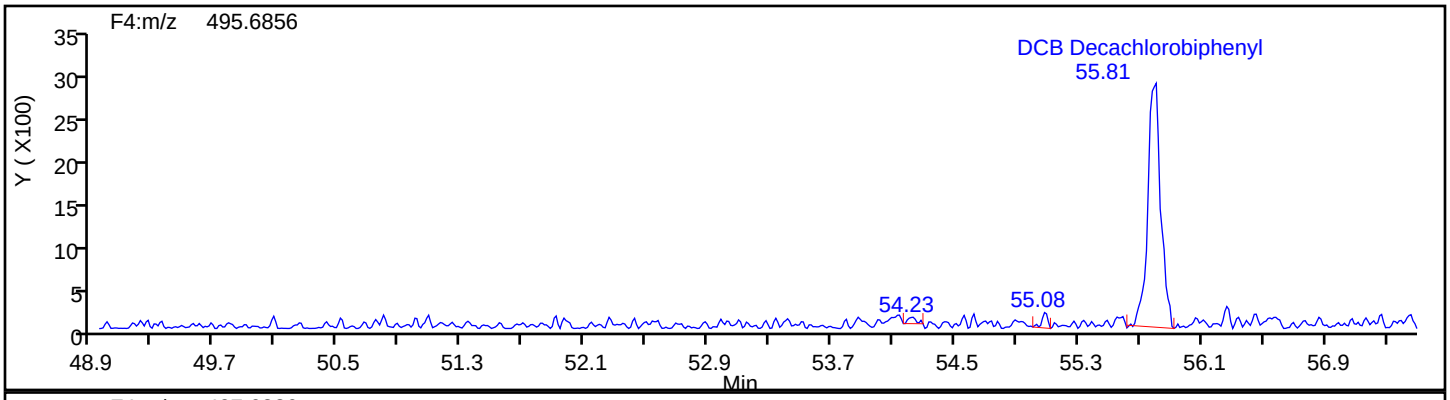
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

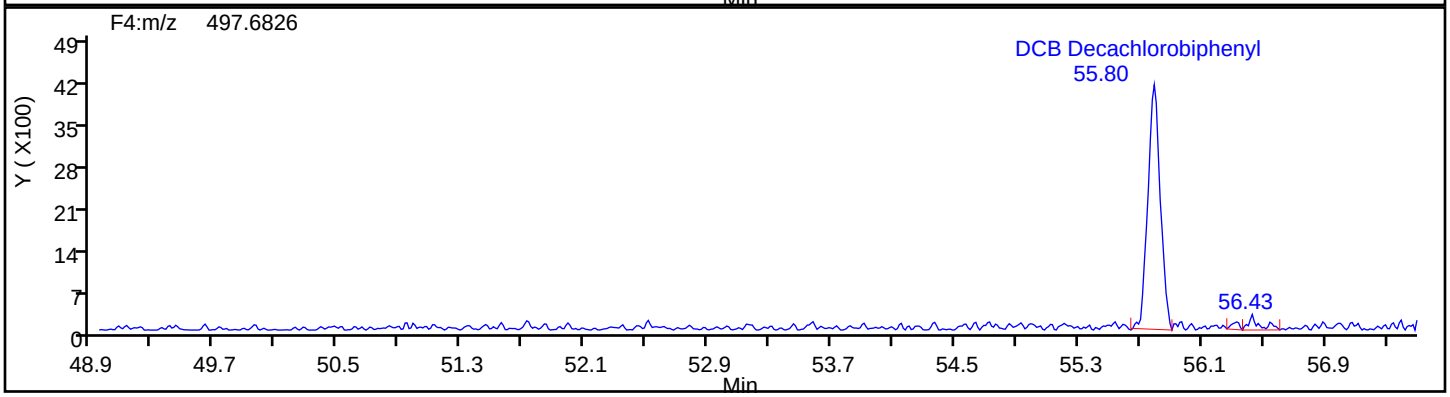
Report Date: 10-Oct-2019 21:01:00 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

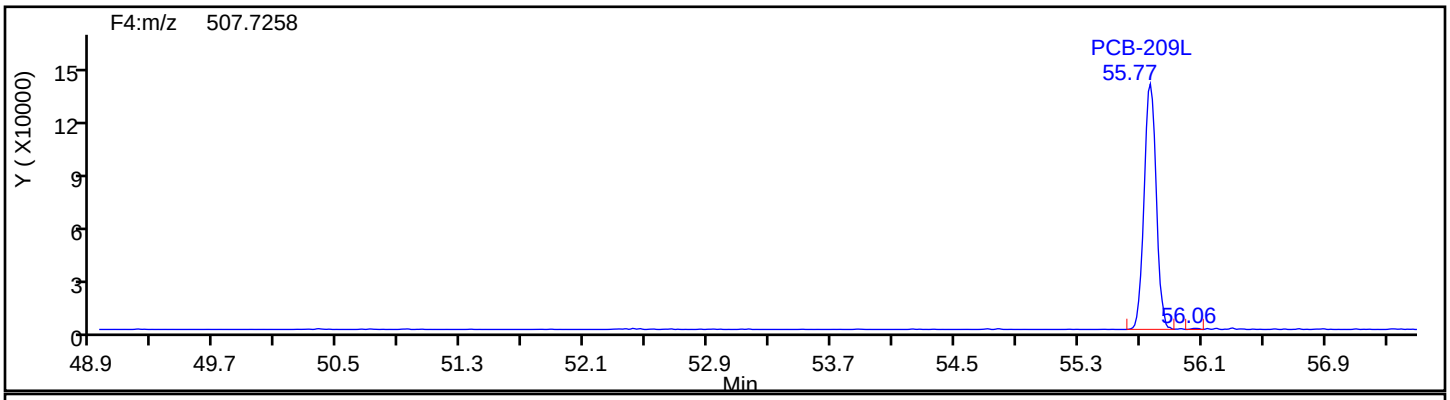
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

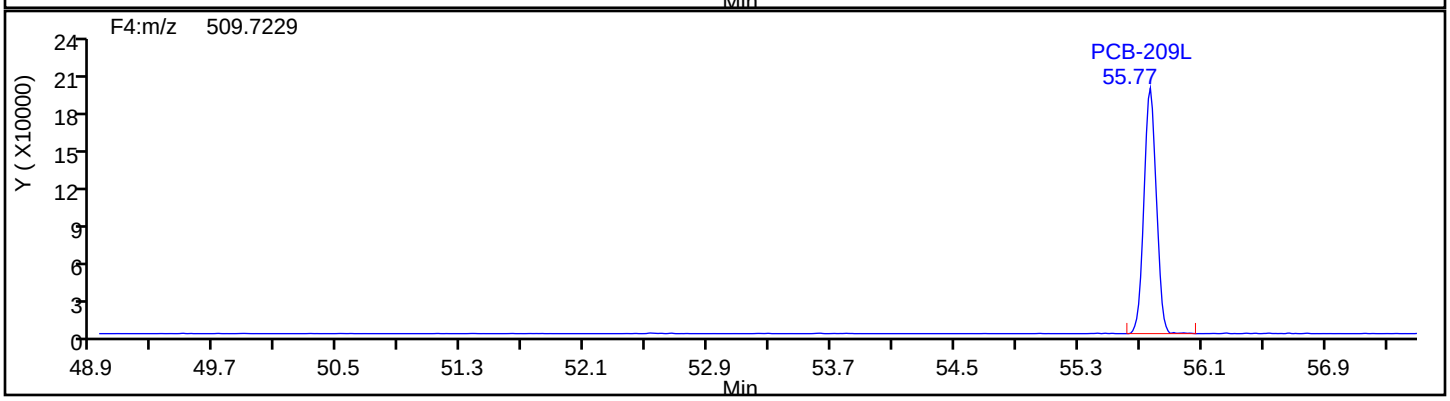
DePCB F4




DePCB F4 Standards

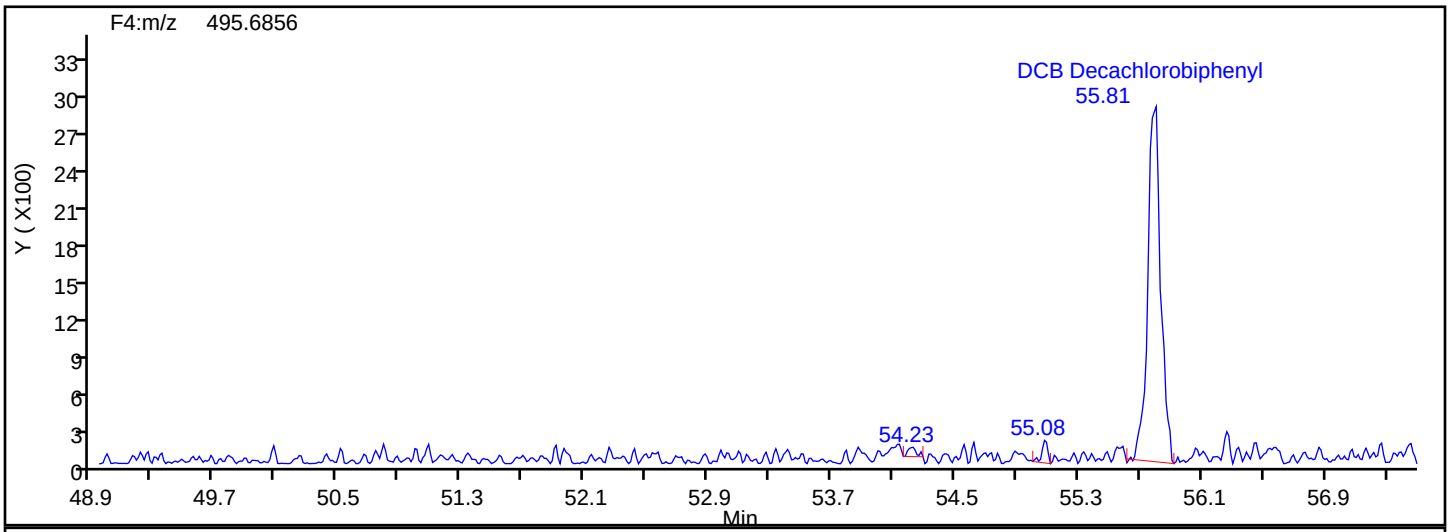


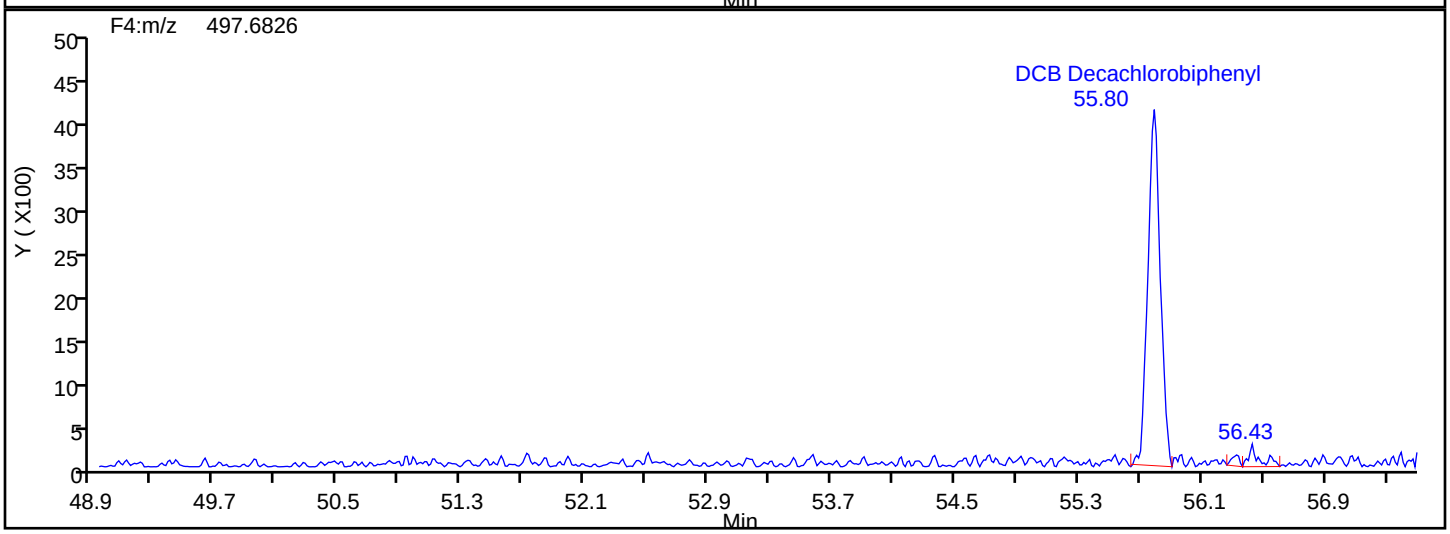



Eurofins TestAmerica, Knoxville

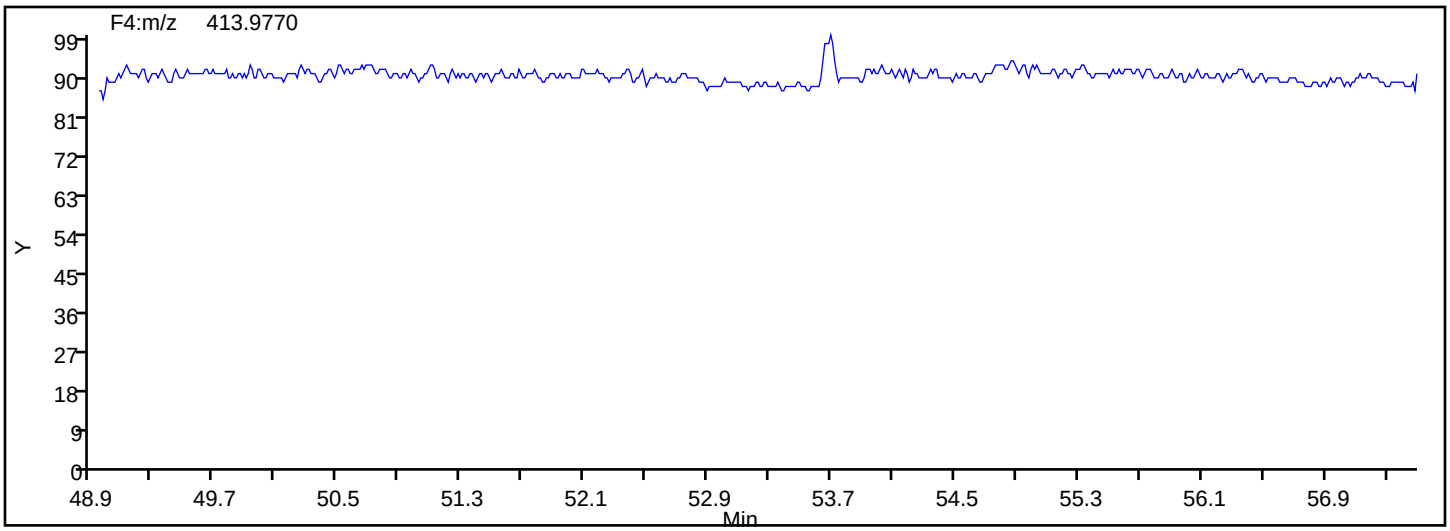
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-33-f.d | | |
| Injection Date: | 10-Oct-2019 08:13:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | ND | | 0.049 | 0.0016 |
| 2051-61-8 | PCB-2 | ND | | 0.049 | 0.0017 |
| 2051-62-9 | PCB-3 | ND | | 0.049 | 0.0018 |
| 13029-08-8 | PCB-4 | ND | | 0.099 | 0.0026 |
| 16605-91-7 | PCB-5 | ND | | 0.049 | 0.0012 |
| 25569-80-6 | PCB-6 | ND | | 0.049 | 0.0012 |
| 33284-50-3 | PCB-7 | ND | | 0.049 | 0.0012 |
| 34883-43-7 | PCB-8 | ND | | 0.099 | 0.0012 |
| 34883-39-1 | PCB-9 | ND | | 0.049 | 0.0013 |
| 33146-45-1 | PCB-10 | ND | | 0.049 | 0.0013 |
| 2050-67-1 | PCB-11 | 0.0050 | J q B | 0.099 | 0.0012 |
| 2974-92-7 | PCB-12 | ND | C | 0.099 | 0.0012 |
| 2974-90-5 | PCB-13 | ND | C12 | 0.099 | 0.0012 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0010 |
| 2050-68-2 | PCB-15 | ND | | 0.049 | 0.00097 |
| 38444-78-9 | PCB-16 | 0.0036 | J q | 0.049 | 0.0018 |
| 37680-66-3 | PCB-17 | 0.0049 | J | 0.049 | 0.0014 |
| 37680-65-2 | PCB-18 | 0.0063 | J q C | 0.099 | 0.0012 |
| 38444-73-4 | PCB-19 | ND | | 0.049 | 0.0017 |
| 38444-84-7 | PCB-20 | 0.016 | J C | 0.099 | 0.0011 |
| 55702-46-0 | PCB-21 | 0.0062 | J q C | 0.099 | 0.0011 |
| 38444-85-8 | PCB-22 | ND | | 0.049 | 0.0012 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.0012 |
| 55702-45-9 | PCB-24 | ND | | 0.049 | 0.0010 |
| 55712-37-3 | PCB-25 | 0.0032 | J q | 0.049 | 0.0011 |
| 38444-81-4 | PCB-26 | 0.0023 | J q C | 0.099 | 0.0011 |
| 38444-76-7 | PCB-27 | ND | | 0.049 | 0.0010 |
| 7012-37-5 | PCB-28 | 0.016 | J C20 | 0.099 | 0.0011 |
| 15862-07-4 | PCB-29 | 0.0023 | J q C26 | 0.099 | 0.0011 |
| 35693-92-6 | PCB-30 | 0.0063 | J q C18 | 0.099 | 0.0012 |
| 16606-02-3 | PCB-31 | 0.0097 | J | 0.099 | 0.0011 |
| 38444-77-8 | PCB-32 | 0.0042 | J q | 0.049 | 0.00094 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38444-86-9 | PCB-33 | 0.0062 | J q C21 | 0.099 | 0.0011 |
| 37680-68-5 | PCB-34 | ND | | 0.049 | 0.0012 |
| 37680-69-6 | PCB-35 | ND | | 0.049 | 0.0012 |
| 38444-87-0 | PCB-36 | ND | | 0.049 | 0.0011 |
| 38444-90-5 | PCB-37 | 0.0023 | J q | 0.049 | 0.0012 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.0011 |
| 38444-88-1 | PCB-39 | ND | | 0.049 | 0.0011 |
| 38444-93-8 | PCB-40 | 0.015 | J q C | 0.15 | 0.0017 |
| 52663-59-9 | PCB-41 | 0.015 | J q C40 | 0.15 | 0.0017 |
| 36559-22-5 | PCB-42 | 0.011 | J q | 0.049 | 0.0018 |
| 70362-46-8 | PCB-43 | ND | C | 0.099 | 0.0015 |
| 41464-39-5 | PCB-44 | 0.058 | J C B | 0.15 | 0.0015 |
| 70362-45-7 | PCB-45 | ND | C | 0.099 | 0.0017 |
| 41464-47-5 | PCB-46 | ND | | 0.049 | 0.0020 |
| 2437-79-8 | PCB-47 | 0.058 | J C44 B | 0.15 | 0.0015 |
| 70362-47-9 | PCB-48 | ND | | 0.049 | 0.0016 |
| 41464-40-8 | PCB-49 | 0.056 | J C B | 0.099 | 0.0014 |
| 62796-65-0 | PCB-50 | ND | C | 0.099 | 0.0017 |
| 68194-04-7 | PCB-51 | ND | C45 | 0.099 | 0.0017 |
| 35693-99-3 | PCB-52 | 0.086 | B | 0.049 | 0.0017 |
| 41464-41-9 | PCB-53 | ND | C50 | 0.099 | 0.0017 |
| 15968-05-5 | PCB-54 | ND | | 0.049 | 0.0011 |
| 74338-24-2 | PCB-55 | ND | | 0.049 | 0.0012 |
| 41464-43-1 | PCB-56 | 0.0077 | J | 0.049 | 0.0012 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.0012 |
| 41464-49-7 | PCB-58 | ND | | 0.049 | 0.0012 |
| 74472-33-6 | PCB-59 | 0.0030 | J q C | 0.15 | 0.0011 |
| 33025-41-1 | PCB-60 | ND | | 0.049 | 0.0012 |
| 33284-53-6 | PCB-61 | 0.056 | J C B | 0.20 | 0.0011 |
| 54230-22-7 | PCB-62 | 0.0030 | J q C59 | 0.15 | 0.0011 |
| 74472-34-7 | PCB-63 | ND | | 0.049 | 0.0011 |
| 52663-58-8 | PCB-64 | 0.0094 | J | 0.049 | 0.0011 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 33284-54-7 | PCB-65 | 0.058 | J C44 B | 0.15 | 0.0015 |
| 32598-10-0 | PCB-66 | 0.039 | J | 0.049 | 0.0012 |
| 73575-53-8 | PCB-67 | ND | | 0.049 | 0.0011 |
| 73575-52-7 | PCB-68 | 0.0048 | J q | 0.049 | 0.0010 |
| 60233-24-1 | PCB-69 | 0.056 | J C49 B | 0.099 | 0.0014 |
| 32598-11-1 | PCB-70 | 0.056 | J C61 B | 0.20 | 0.0011 |
| 41464-46-4 | PCB-71 | 0.015 | J q C40 | 0.15 | 0.0017 |
| 41464-42-0 | PCB-72 | 0.0056 | J q | 0.049 | 0.0012 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.099 | 0.0015 |
| 32690-93-0 | PCB-74 | 0.056 | J C61 B | 0.20 | 0.0011 |
| 32598-12-2 | PCB-75 | 0.0030 | J q C59 | 0.15 | 0.0011 |
| 70362-48-0 | PCB-76 | 0.056 | J C61 B | 0.20 | 0.0011 |
| 32598-13-3 | PCB-77 | ND | | 0.049 | 0.0011 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.0012 |
| 41464-48-6 | PCB-79 | ND | | 0.049 | 0.0010 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0011 |
| 70362-50-4 | PCB-81 | ND | | 0.049 | 0.0012 |
| 52663-62-4 | PCB-82 | ND | | 0.049 | 0.0031 |
| 60145-20-2 | PCB-83 | 0.12 | C | 0.099 | 0.0029 |
| 52663-60-2 | PCB-84 | 0.023 | J q B | 0.049 | 0.0032 |
| 65510-45-4 | PCB-85 | 0.0096 | J q C B | 0.15 | 0.0022 |
| 55312-69-1 | PCB-86 | 0.057 | J C | 0.30 | 0.0023 |
| 38380-02-8 | PCB-87 | 0.057 | J C86 | 0.30 | 0.0023 |
| 55215-17-3 | PCB-88 | 0.034 | J C | 0.099 | 0.0027 |
| 73575-57-2 | PCB-89 | ND | | 0.049 | 0.0030 |
| 68194-07-0 | PCB-90 | 0.15 | C B | 0.15 | 0.0024 |
| 68194-05-8 | PCB-91 | 0.034 | J C88 | 0.099 | 0.0027 |
| 52663-61-3 | PCB-92 | 0.047 | J | 0.049 | 0.0029 |
| 73575-56-1 | PCB-93 | 0.0041 | J q C | 0.099 | 0.0028 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 73575-55-0 | PCB-94 | ND | | 0.049 | 0.0030 |
| 38379-99-6 | PCB-95 | 0.12 | | 0.049 | 0.0028 |
| 73575-54-9 | PCB-96 | ND | | 0.049 | 0.0022 |
| 41464-51-1 | PCB-97 | 0.057 | J C86 | 0.30 | 0.0023 |
| 60233-25-2 | PCB-98 | 0.0047 | J q C | 0.099 | 0.0028 |
| 38380-01-7 | PCB-99 | 0.12 | C83 | 0.099 | 0.0029 |
| 39485-83-1 | PCB-100 | 0.0041 | J q C93 | 0.099 | 0.0028 |
| 37680-73-2 | PCB-101 | 0.15 | C90 B | 0.15 | 0.0024 |
| 68194-06-9 | PCB-102 | 0.0047 | J q C98 | 0.099 | 0.0028 |
| 60145-21-3 | PCB-103 | 0.0095 | J | 0.049 | 0.0026 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0020 |
| 32598-14-4 | PCB-105 | 0.017 | J | 0.049 | 0.0017 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.0017 |
| 70424-68-9 | PCB-107 | 0.010 | J q | 0.049 | 0.0016 |
| 70362-41-3 | PCB-108 | 0.0023 | J q C | 0.099 | 0.0017 |
| 74472-35-8 | PCB-109 | 0.057 | J C86 | 0.30 | 0.0023 |
| 38380-03-9 | PCB-110 | 0.12 | C | 0.099 | 0.0020 |
| 39635-32-0 | PCB-111 | ND | | 0.049 | 0.0019 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0020 |
| 68194-10-5 | PCB-113 | 0.15 | C90 B | 0.15 | 0.0024 |
| 74472-37-0 | PCB-114 | ND | | 0.049 | 0.0015 |
| 74472-38-1 | PCB-115 | 0.12 | C110 | 0.099 | 0.0020 |
| 18259-05-7 | PCB-116 | 0.0096 | J q C85 B | 0.15 | 0.0022 |
| 68194-11-6 | PCB-117 | 0.0096 | J q C85 B | 0.15 | 0.0022 |
| 31508-00-6 | PCB-118 | 0.069 | B | 0.049 | 0.0016 |
| 56558-17-9 | PCB-119 | 0.057 | J C86 | 0.30 | 0.0023 |
| 68194-12-7 | PCB-120 | 0.0071 | J | 0.049 | 0.0018 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0019 |
| 76842-07-4 | PCB-122 | ND | | 0.049 | 0.0019 |
| 65510-44-3 | PCB-123 | ND | | 0.049 | 0.0017 |
| 70424-70-3 | PCB-124 | 0.0023 | J q C108 | 0.099 | 0.0017 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74472-39-2 | PCB-125 | 0.057 | J C86 | 0.30 | 0.0023 |
| 57465-28-8 | PCB-126 | ND | | 0.049 | 0.0017 |
| 39635-33-1 | PCB-127 | ND | | 0.049 | 0.0017 |
| 38380-07-3 | PCB-128 | 0.019 | J C B | 0.099 | 0.0012 |
| 55215-18-4 | PCB-129 | 0.14 | J C B | 0.20 | 0.0012 |
| 52663-66-8 | PCB-130 | 0.0085 | J q | 0.049 | 0.0016 |
| 61798-70-7 | PCB-131 | ND | | 0.049 | 0.0016 |
| 38380-05-1 | PCB-132 | 0.048 | J | 0.049 | 0.0015 |
| 35694-04-3 | PCB-133 | 0.0071 | J q | 0.049 | 0.0015 |
| 52704-70-8 | PCB-134 | 0.0074 | J C | 0.099 | 0.0016 |
| 52744-13-5 | PCB-135 | 0.082 | J C B | 0.099 | 0.00089 |
| 38411-22-2 | PCB-136 | 0.039 | J B | 0.049 | 0.00067 |
| 35694-06-5 | PCB-137 | 0.0040 | J | 0.049 | 0.0013 |
| 35065-28-2 | PCB-138 | 0.14 | J C129 B | 0.20 | 0.0012 |
| 56030-56-9 | PCB-139 | 0.0055 | J C | 0.099 | 0.0013 |
| 59291-64-4 | PCB-140 | 0.0055 | J C139 | 0.099 | 0.0013 |
| 52712-04-6 | PCB-141 | 0.024 | J | 0.049 | 0.0014 |
| 41411-61-4 | PCB-142 | ND | | 0.049 | 0.0016 |
| 68194-15-0 | PCB-143 | 0.0074 | J C134 | 0.099 | 0.0016 |
| 68194-14-9 | PCB-144 | 0.0047 | J q | 0.049 | 0.00084 |
| 74472-40-5 | PCB-145 | ND | | 0.049 | 0.00065 |
| 51908-16-8 | PCB-146 | 0.067 | B | 0.049 | 0.0013 |
| 68194-13-8 | PCB-147 | 0.20 | C B | 0.099 | 0.0014 |
| 74472-41-6 | PCB-148 | 0.0043 | J | 0.049 | 0.00086 |
| 38380-04-0 | PCB-149 | 0.20 | C147 B | 0.099 | 0.0014 |
| 68194-08-1 | PCB-150 | ND | | 0.049 | 0.00063 |
| 52663-63-5 | PCB-151 | 0.082 | J C135 B | 0.099 | 0.00089 |
| 68194-09-2 | PCB-152 | ND | | 0.049 | 0.00062 |
| 35065-27-1 | PCB-153 | 0.19 | C B | 0.099 | 0.0011 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *60145-22-4* | *PCB-154* | *0.020* | *J* | *0.049* | *0.00076* |
| *33979-03-2* | *PCB-155* | *ND* | | *0.049* | *0.00060* |
| *38380-08-4* | *PCB-156* | *0.014* | *J q C* | *0.099* | *0.0013* |
| *69782-90-7* | *PCB-157* | *0.014* | *J q C156* | *0.099* | *0.0013* |
| *74472-42-7* | *PCB-158* | *0.012* | *J* | *0.049* | *0.00097* |
| *39635-35-3* | *PCB-159* | *0.0033* | *J q* | *0.049* | *0.0010* |
| *41411-62-5* | *PCB-160* | *0.14* | *J C129 B* | *0.20* | *0.0012* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.049* | *0.0010* |
| *39635-34-2* | *PCB-162* | *0.0013* | *J q* | *0.049* | *0.00099* |
| *74472-44-9* | *PCB-163* | *0.14* | *J C129 B* | *0.20* | *0.0012* |
| *74472-45-0* | *PCB-164* | *0.014* | *J* | *0.049* | *0.0011* |
| *74472-46-1* | *PCB-165* | *ND* | | *0.049* | *0.0012* |
| *41411-63-6* | *PCB-166* | *0.019* | *J C128 B* | *0.099* | *0.0012* |
| *52663-72-6* | *PCB-167* | *0.0045* | *J q* | *0.049* | *0.00083* |
| *59291-65-5* | *PCB-168* | *0.19* | *C153 B* | *0.099* | *0.0011* |
| *32774-16-6* | *PCB-169* | *0.0022* | *J* | *0.049* | *0.00089* |
| *35065-30-6* | *PCB-170* | *0.056* | *B* | *0.049* | *0.00092* |
| *52663-71-5* | *PCB-171* | *0.018* | *J q C* | *0.099* | *0.00097* |
| *52663-74-8* | *PCB-172* | *0.015* | *J* | *0.049* | *0.00094* |
| *68194-16-1* | *PCB-173* | *0.018* | *J q C171* | *0.099* | *0.00097* |
| *38411-25-5* | *PCB-174* | *0.067* | *B* | *0.049* | *0.00098* |
| *40186-70-7* | *PCB-175* | *0.0052* | *J* | *0.049* | *0.00087* |
| *52663-65-7* | *PCB-176* | *0.0085* | *J* | *0.049* | *0.00061* |
| *52663-70-4* | *PCB-177* | *0.048* | *J B* | *0.049* | *0.00099* |
| *52663-67-9* | *PCB-178* | *0.016* | *J* | *0.049* | *0.00091* |
| *52663-64-6* | *PCB-179* | *0.032* | *J* | *0.049* | *0.00066* |
| *35065-29-3* | *PCB-180* | *0.13* | *C B* | *0.099* | *0.00076* |
| *74472-47-2* | *PCB-181* | *0.0023* | *J q* | *0.049* | *0.00084* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *60145-23-5* | *PCB-182* | *0.0033* | *J* | *0.049* | *0.00081* |
| *52663-69-1* | *PCB-183* | *0.039* | *J C B* | *0.099* | *0.00082* |
| *74472-48-3* | *PCB-184* | *ND* | | *0.049* | *0.00066* |
| *52712-05-7* | *PCB-185* | *0.039* | *J C183 B* | *0.099* | *0.00082* |
| *74472-49-4* | *PCB-186* | *ND* | | *0.049* | *0.00065* |
| *52663-68-0* | *PCB-187* | *0.092* | *B* | *0.049* | *0.00084* |
| *74487-85-7* | *PCB-188* | *ND* | | *0.049* | *0.00062* |
| *39635-31-9* | *PCB-189* | *0.0057* | *J* | *0.049* | *0.0012* |
| *41411-64-7* | *PCB-190* | *0.014* | *J B* | *0.049* | *0.00068* |
| *74472-50-7* | *PCB-191* | *0.0050* | *J* | *0.049* | *0.00067* |
| *74472-51-8* | *PCB-192* | *0.0013* | *J q* | *0.049* | *0.00072* |
| *69782-91-8* | *PCB-193* | *0.13* | *C180 B* | *0.099* | *0.00076* |
| *35694-08-7* | *PCB-194* | *0.034* | *J* | *0.049* | *0.0010* |
| *52663-78-2* | *PCB-195* | *0.018* | *J* | *0.049* | *0.0012* |
| *42740-50-1* | *PCB-196* | *0.019* | *J* | *0.049* | *0.00090* |
| *33091-17-7* | *PCB-197* | *0.0020* | *J q* | *0.049* | *0.00066* |
| *68194-17-2* | *PCB-198* | *0.038* | *J C B* | *0.099* | *0.00096* |
| *52663-75-9* | *PCB-199* | *0.038* | *J C198 B* | *0.099* | *0.00096* |
| *52663-73-7* | *PCB-200* | *0.0041* | *J q* | *0.049* | *0.00070* |
| *40186-71-8* | *PCB-201* | *0.0032* | *J q* | *0.049* | *0.00067* |
| *2136-99-4* | *PCB-202* | *0.0047* | *J q* | *0.049* | *0.00075* |
| *52663-76-0* | *PCB-203* | *0.023* | *J* | *0.049* | *0.00086* |
| *74472-52-9* | *PCB-204* | *0.0012* | *J q* | *0.049* | *0.00072* |
| *74472-53-0* | *PCB-205* | *0.0040* | *J q* | *0.049* | *0.00079* |
| *40186-72-9* | *PCB-206* | *0.024* | *J* | *0.049* | *0.0036* |
| *52663-79-3* | *PCB-207* | *ND* | | *0.049* | *0.0026* |
| *52663-77-1* | *PCB-208* | *ND* | | *0.049* | *0.0028* |
| *2051-24-3* | *PCB-209* | *0.021* | *J* | *0.049* | *0.00083* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *ND* | | *0.049* | *0.0018* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *0.0050* | *J q B* | *0.099* | *0.0013* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *0.059* | *J q* | *0.099* | *0.0012* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *0.35* | *q B* | *0.20* | *0.0013* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *0.80* | *q B* | *0.30* | *0.0022* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *0.92* | *q B* | *0.20* | *0.0011* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *0.56* | *q B* | *0.099* | *0.00082* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *0.15* | *q B* | *0.099* | *0.00084* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *0.024* | *J* | *0.049* | *0.0030* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *2.9* | *q B* | *0.30* | *0.0014* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-90to100-82719  Lab Sample ID: 580-88908-33

Matrix: Solid  Lab File ID: 580-88908-a-33-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:30

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.08(g)  Date Analyzed: 10/04/2019 02:55

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 28.2  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 55 | | 30-140 |
| 208263-77-8 | PCB-3L | 62 | | 30-140 |
| 234432-86-1 | PCB-4L | 66 | | 30-140 |
| 208263-67-6 | PCB-15L | 83 | | 30-140 |
| 234432-87-2 | PCB-19L | 73 | | 30-140 |
| 208263-79-0 | PCB-37L | 80 | | 30-140 |
| 234432-88-3 | PCB-54L | 75 | | 30-140 |
| 105600-23-5 | PCB-77L | 84 | | 30-140 |
| 208461-24-9 | PCB-81L | 80 | | 30-140 |
| 234432-89-4 | PCB-104L | 90 | | 30-140 |
| 208263-62-1 | PCB-105L | 75 | | 30-140 |
| 208263-63-2 | PCB-114L | 77 | | 30-140 |
| 104130-40-7 | PCB-118L | 78 | | 30-140 |
| 208263-64-3 | PCB-123L | 79 | | 30-140 |
| 208263-65-4 | PCB-126L | 83 | | 30-140 |
| 234432-90-7 | PCB-155L | 101 | | 30-140 |
| 208263-68-7 | PCB-156L | 81 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 81 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 80 | | 30-140 |
| 208263-70-1 | PCB-169L | 93 | | 30-140 |
| 160901-80-4 | PCB-170L | 84 | | 30-140 |
| 234432-91-8 | PCB-188L | 82 | | 30-140 |
| 208263-73-4 | PCB-189L | 74 | | 30-140 |
| 105600-26-8 | PCB-202L | 95 | | 30-140 |
| 234446-64-1 | PCB-205L | 79 | | 30-140 |
| 208263-75-6 | PCB-206L | 78 | | 30-140 |
| 234432-92-9 | PCB-208L | 82 | | 30-140 |
| 105600-27-9 | PCB-209L | 80 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 76 | | 40-125 |
| 235416-29-2 | PCB-111L | 88 | | 40-125 |
| 232919-67-4 | PCB-178L | 88 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d
Lims ID: 580-88908-A-33-C
Client ID: J5-SC1b-90to100-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 02:55:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:05:31 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: davidsonm Date: 04-Oct-2019 14:05:31

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | | | 0.0369 | 0.0369 | | |
| D PCB-1L | 11:57 | 370856 | 2.96 | 1.3140 | 10.9 | 10.9 | 0.3192 | 0.3192 | 54.72 | Ma |
| D PCB-3L | 14:02 | 434607 | 3.14 | 1.3615 | 12.4 | 12.4 | 0.3081 | 0.3081 | 61.89 | M |
| PCB-1 | 11:43 | | | | | | 0.0317 | 0.0317 | | |
| PCB-2 | 13:42 | | | | | | 0.0344 | 0.0344 | | |
| PCB-3 | 13:53 | | | | | | 0.0369 | 0.0369 | | |
| S Total Dichlorobiphenyls | | | | | 0.1181 | 0.1015 | 0.0264 | 0.0264 | | RQ |
| D PCB-4L | 14:16 | 203162 | 1.56 | 0.5996 | 13.1 | 13.1 | 0.5331 | 0.5331 | 65.70 | |
| * PCB-9L | 16:11 | 515773 | 1.73 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:02 | 441450 | 1.79 | 1.0280 | 16.7 | 16.7 | 0.3109 | 0.3109 | 83.26 | M |
| PCB-4 | 14:08 | | | | | | 0.0518 | 0.0518 | | |
| PCB-10 | 14:19 | | | | | | 0.0260 | 0.0260 | | |
| PCB-9 | 16:06 | | | | | | 0.0272 | 0.0272 | | |
| PCB-7 | 16:16 | | | | | | 0.0238 | 0.0238 | | |
| PCB-6 | 16:30 | | | | | | 0.0248 | 0.0248 | | |
| PCB-5 | 16:49 | | | | | | 0.0247 | 0.0247 | | |
| PCB-8 | 17:02 | | | | | | 0.0243 | 0.0243 | | RQU |
| PCB-14 | 18:33 | | | | | | 0.0206 | 0.0206 | | |
| PCB-11 | 19:26 | 2675 | 1.56 | 1.6347 | 0.1181 | 0.1015 | 0.0236 | 0.0236 | | RQ |
| PCB-12 | 19:42 | | | | | | 0.0235 | 0.0235 | | |
| PCB-13 (C12) | 19:42 | | | | | | 0.0235 | 0.0235 | | |
| PCB-15 | 20:00 | | | | | | 0.0196 | 0.0196 | | |
| S Total Trichlorobiphenyl | | | | | 1.292 | 1.173 | 0.0243 | 0.0243 | | RQ |
| D PCB-19L | 17:17 | 158918 | 0.99 | 0.6095 | 14.6 | 14.6 | 0.6924 | 0.6924 | 72.85 | |
| * PCB-32L | 20:30 | 357939 | 1.08 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:44 | 773558 | 1.02 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:02 | 642957 | 1.06 | 1.0975 | 15.1 | 15.1 | 0.1674 | 0.1674 | 75.73 | |
| D PCB-37L | 27:01 | 560757 | 1.01 | 0.9024 | 16.1 | 16.1 | 0.2036 | 0.2036 | 80.33 | |
| PCB-19 | 17:14 | | | | | | 0.0341 | 0.0341 | | |
| PCB-18 | 19:08 | 1832 | 1.04 | 1.8188 | 0.1851 | 0.1268 | 0.0245 | 0.0245 | | RQ |
| PCB-30 (C18) | 19:08 | 1832 | 1.04 | 1.8188 | 0.1851 | 0.1268 | 0.0245 | 0.0245 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:34 | 1223 | 1.06 | 1.5641 | 0.0984 | 0.0984 | 0.0285 | 0.0285 | | |
| PCB-27 | 19:44 | | | | | | 0.0205 | 0.0205 | | |
| PCB-24 | 19:51 | | | | | | 0.0212 | 0.0212 | | |
| PCB-16 | 19:59 | 702 | 1.04 | 1.2260 | 0.0808 | 0.0721 | 0.0363 | 0.0363 | | RQ |
| PCB-32 | 20:33 | 1564 | 1.04 | 2.3416 | 0.0928 | 0.0841 | 0.0190 | 0.0190 | | RQ |
| PCB-34 | 21:44 | | | | | | 0.0250 | 0.0250 | | |
| PCB-23 | 21:53 | | | | | | 0.0239 | 0.0239 | | |
| PCB-26 | 22:13 | 1730 | 1.04 | 1.3193 | 0.0607 | 0.0468 | 0.0230 | 0.0230 | | RQ |
| PCB-29 (C26) | 22:13 | 1730 | 1.04 | 1.3193 | 0.0607 | 0.0468 | 0.0230 | 0.0230 | | RQ |
| PCB-25 | 22:27 | 2481 | 1.04 | 1.3523 | 0.0727 | 0.0654 | 0.0224 | 0.0224 | | RQ |
| PCB-31 | 22:46 | 7568 | 1.10 | 1.3809 | 0.1955 | 0.1955 | 0.0220 | 0.0220 | | |
| PCB-20 | 23:03 | 11479 | 0.99 | 1.3057 | 0.3136 | 0.3136 | 0.0232 | 0.0232 | | |
| PCB-28 (C20) | 23:03 | 11479 | 0.99 | 1.3057 | 0.3136 | 0.3136 | 0.0232 | 0.0232 | | |
| PCB-21 | 23:18 | 4823 | 1.04 | 1.3777 | 0.1373 | 0.1249 | 0.0220 | 0.0220 | | RQ |
| PCB-33 (C21) | 23:18 | 4823 | 1.04 | 1.3777 | 0.1373 | 0.1249 | 0.0220 | 0.0220 | | RQ |
| PCB-22 | 23:39 | | | | | | 0.0244 | 0.0244 | | |
| PCB-36 | 25:13 | | | | | | 0.0225 | 0.0225 | | |
| PCB-39 | 25:35 | | | | | | 0.0217 | 0.0217 | | |
| PCB-38 | 26:10 | | | | | | 0.0230 | 0.0230 | | |
| PCB-35 | 26:37 | | | | | | 0.0249 | 0.0249 | | |
| PCB-37 | 27:02 | 1644 | 1.04 | 1.2879 | 0.0552 | 0.0455 | 0.0235 | 0.0235 | | RQ |
| S Total Tetrachlorobiphen | | | | | 7.249 | 7.081 | 0.0267 | 0.0267 | | RQ |
| D PCB-54L | 20:20 | 175111 | 0.73 | 0.6515 | 15.0 | 15.0 | 0.1141 | 0.1141 | 75.09 | |
| * PCB-52L | 24:51 | 419672 | 0.76 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:46 | 416409 | 0.73 | 1.2328 | 16.1 | 16.1 | 0.0670 | 0.0670 | 80.48 | |
| D PCB-77L | 34:19 | 443878 | 0.82 | 1.2523 | 16.9 | 16.9 | 0.0660 | 0.0660 | 84.46 | |
| PCB-54 | 20:18 | | | | | | 0.0231 | 0.0231 | | |
| PCB-50 | 22:28 | | | | | | 0.0334 | 0.0334 | | |
| PCB-53 (C50) | 22:28 | | | | | | 0.0334 | 0.0334 | | |
| PCB-45 | 23:13 | | | | | | 0.0353 | 0.0353 | | |
| PCB-51 (C45) | 23:13 | | | | | | 0.0353 | 0.0353 | | |
| PCB-46 | 23:26 | | | | | | 0.0412 | 0.0412 | | |
| PCB-52 | 24:53 | 33714 | 0.87 | 0.8992 | 1.743 | 1.743 | 0.0348 | 0.0348 | | |
| PCB-43 | 25:00 | | | | | | 0.0313 | 0.0313 | | |
| PCB-73 (C43) | 25:00 | | | | | | 0.0313 | 0.0313 | | |
| PCB-49 | 25:22 | 27629 | 0.76 | 1.1366 | 1.130 | 1.130 | 0.0275 | 0.0275 | | |
| PCB-69 (C49) | 25:22 | 27629 | 0.76 | 1.1366 | 1.130 | 1.130 | 0.0275 | 0.0275 | | |
| PCB-48 | 25:39 | | | | | | 0.0331 | 0.0331 | | |
| PCB-44 | 25:55 | 25897 | 0.80 | 1.0323 | 1.166 | 1.166 | 0.0303 | 0.0303 | | |
| PCB-47 (C44) | 25:55 | 25897 | 0.80 | 1.0323 | 1.166 | 1.166 | 0.0303 | 0.0303 | | |
| PCB-65 (C44) | 25:55 | 25897 | 0.80 | 1.0323 | 1.166 | 1.166 | 0.0303 | 0.0303 | | |
| PCB-59 | 26:14 | 1774 | 0.77 | 1.3609 | 0.0793 | 0.0606 | 0.0230 | 0.0230 | | RQ |
| PCB-62 (C59) | 26:14 | 1774 | 0.77 | 1.3609 | 0.0793 | 0.0606 | 0.0230 | 0.0230 | | RQ |
| PCB-75 (C59) | 26:14 | 1774 | 0.77 | 1.3609 | 0.0793 | 0.0606 | 0.0230 | 0.0230 | | RQ |
| PCB-42 | 26:23 | 3983 | 0.77 | 0.8670 | 0.2488 | 0.2136 | 0.0361 | 0.0361 | | RQ |
| PCB-40 | 26:54 | 5912 | 0.77 | 0.9179 | 0.3627 | 0.2995 | 0.0341 | 0.0341 | | RQMa |
| PCB-41 (C40) | 26:54 | 5912 | 0.77 | 0.9179 | 0.3627 | 0.2995 | 0.0341 | 0.0341 | | RQMa |
| PCB-71 (C40) | 26:54 | 5912 | 0.77 | 0.9179 | 0.3627 | 0.2995 | 0.0341 | 0.0341 | | RQMa |
| PCB-64 | 27:06 | 5791 | 0.82 | 1.4164 | 0.1901 | 0.1901 | 0.0221 | 0.0221 | | M |
| PCB-72 | 27:57 | 3221 | 0.77 | 1.3157 | 0.1279 | 0.1138 | 0.0238 | 0.0238 | | RQ |
| PCB-68 | 28:13 | 3075 | 0.77 | 1.4782 | 0.1332 | 0.0967 | 0.0212 | 0.0212 | | RQM |
| PCB-57 | 28:38 | | | | | | 0.0244 | 0.0244 | | |
| PCB-58 | 28:52 | | | | | | 0.0237 | 0.0237 | | |
| PCB-67 | 29:02 | | | | | | 0.0224 | 0.0224 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:18 | | | | | | 0.0213 | 0.0213 | | |
| PCB-61 | 29:38 | 32958 | 0.78 | 1.3565 | 1.130 | 1.130 | 0.0231 | 0.0231 | | |
| PCB-70 (C61) | 29:38 | 32958 | 0.78 | 1.3565 | 1.130 | 1.130 | 0.0231 | 0.0231 | | |
| PCB-74 (C61) | 29:38 | 32958 | 0.78 | 1.3565 | 1.130 | 1.130 | 0.0231 | 0.0231 | | |
| PCB-76 (C61) | 29:38 | 32958 | 0.78 | 1.3565 | 1.130 | 1.130 | 0.0231 | 0.0231 | | |
| PCB-66 | 29:58 | 21501 | 0.78 | 1.2800 | 0.7810 | 0.7810 | 0.0244 | 0.0244 | | |
| PCB-55 | 30:08 | | | | | | 0.0242 | 0.0242 | | |
| PCB-56 | 30:37 | 4258 | 0.89 | 1.2671 | 0.1562 | 0.1562 | 0.0247 | 0.0247 | | |
| PCB-60 | 30:51 | | | | | | 0.0235 | 0.0235 | | |
| PCB-80 | 31:16 | | | | | | 0.0213 | 0.0213 | | |
| PCB-79 | 32:47 | | | | | | 0.0203 | 0.0203 | | |
| PCB-78 | 33:20 | | | | | | 0.0238 | 0.0238 | | |
| PCB-81 | 33:46 | | | | | | 0.0241 | 0.0241 | | |
| PCB-77 | 34:20 | | | | | | 0.0231 | 0.0231 | | |
| S Total Pentachlorobiphen | | | | | 16.4 | 16.2 | 0.0453 | 0.0453 | | RQ |
| D PCB-104L | 25:48 | 329344 | 1.57 | 1.1164 | 18.1 | 18.1 | 0.0256 | 0.0256 | 90.29 | |
| * PCB-101L | 31:40 | 326735 | 1.66 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:22 | 348375 | 1.61 | 1.2177 | 17.5 | 17.5 | 0.0234 | 0.0234 | 87.56 | |
| D PCB-123L | 36:19 | 418431 | 1.59 | 0.9909 | 15.7 | 15.7 | 0.3515 | 0.3515 | 78.67 | |
| D PCB-118L | 36:38 | 432109 | 1.57 | 1.0256 | 15.7 | 15.7 | 0.3396 | 0.3396 | 78.50 | |
| D PCB-114L | 37:10 | 415412 | 1.66 | 1.0030 | 15.4 | 15.4 | 0.3473 | 0.3473 | 77.16 | |
| D PCB-105L | 37:49 | 404305 | 1.46 | 1.0013 | 15.0 | 15.0 | 0.3479 | 0.3479 | 75.23 | |
| * PCB-127L | 39:18 | 536760 | 1.57 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:54 | 403619 | 1.62 | 0.9020 | 16.7 | 16.7 | 0.3861 | 0.3861 | 83.36 | |
| PCB-104 | 25:49 | | | | | | 0.0396 | 0.0396 | | |
| PCB-96 | 26:11 | | | | | | 0.0449 | 0.0449 | | |
| PCB-103 | 28:07 | 3253 | 1.42 | 1.0331 | 0.1912 | 0.1912 | 0.0533 | 0.0533 | | |
| PCB-94 | 28:20 | | | | | | 0.0610 | 0.0610 | | |
| PCB-95 | 28:46 | 36880 | 1.61 | 0.9620 | 2.328 | 2.328 | 0.0573 | 0.0573 | | |
| PCB-93 | 28:58 | 1337 | 1.55 | 0.9806 | 0.0999 | 0.0828 | 0.0562 | 0.0562 | | RQM |
| PCB-100 (C93) | 28:58 | 1337 | 1.55 | 0.9806 | 0.0999 | 0.0828 | 0.0562 | 0.0562 | | RQM |
| PCB-98 | 29:06 | 1533 | 1.55 | 0.9888 | 0.1332 | 0.0941 | 0.0557 | 0.0557 | | RQMa |
| PCB-102 (C98) | 29:06 | 1533 | 1.55 | 0.9888 | 0.1332 | 0.0941 | 0.0557 | 0.0557 | | RQMa |
| PCB-88 | 29:38 | 11217 | 1.54 | 1.0052 | 0.6776 | 0.6776 | 0.0548 | 0.0548 | | |
| PCB-91 (C88) | 29:38 | 11217 | 1.54 | 1.0052 | 0.6776 | 0.6776 | 0.0548 | 0.0548 | | |
| PCB-84 | 29:51 | 6667 | 1.55 | 0.8601 | 0.5230 | 0.4707 | 0.0641 | 0.0641 | | RQ |
| PCB-89 | 30:20 | | | | | | 0.0617 | 0.0617 | | |
| PCB-121 | 30:45 | | | | | | 0.0394 | 0.0394 | | |
| PCB-92 | 31:07 | 14887 | 1.66 | 0.9532 | 0.9484 | 0.9484 | 0.0578 | 0.0578 | | |
| PCB-90 | 31:42 | 55584 | 1.62 | 1.1367 | 2.970 | 2.970 | 0.0485 | 0.0485 | | |
| PCB-101 (C90) | 31:42 | 55584 | 1.62 | 1.1367 | 2.970 | 2.970 | 0.0485 | 0.0485 | | |
| PCB-113 (C90) | 31:42 | 55584 | 1.62 | 1.1367 | 2.970 | 2.970 | 0.0485 | 0.0485 | | |
| PCB-83 | 32:17 | 38198 | 1.54 | 0.9393 | 2.469 | 2.469 | 0.0587 | 0.0587 | | M |
| PCB-99 (C83) | 32:17 | 38198 | 1.54 | 0.9393 | 2.469 | 2.469 | 0.0587 | 0.0587 | | M |
| PCB-112 | 32:26 | 359 | 1.55 | 1.3672 | 0.0326 | 0.0159 | 0.0403 | 0.0403 | | RQMa |
| PCB-86 | 32:48 | 22506 | 1.67 | 1.1958 | 1.143 | 1.143 | 0.0461 | 0.0461 | | |
| PCB-87 (C86) | 32:48 | 22506 | 1.67 | 1.1958 | 1.143 | 1.143 | 0.0461 | 0.0461 | | |
| PCB-97 (C86) | 32:48 | 22506 | 1.67 | 1.1958 | 1.143 | 1.143 | 0.0461 | 0.0461 | | |
| PCB-109 (C86) | 32:48 | 22506 | 1.67 | 1.1958 | 1.143 | 1.143 | 0.0461 | 0.0461 | | |
| PCB-119 (C86) | 32:48 | 22506 | 1.67 | 1.1958 | 1.143 | 1.143 | 0.0461 | 0.0461 | | |
| PCB-125 (C86) | 32:48 | 22506 | 1.67 | 1.1958 | 1.143 | 1.143 | 0.0461 | 0.0461 | | |
| PCB-85 | 33:29 | 3879 | 1.55 | 1.2126 | 0.2267 | 0.1943 | 0.0454 | 0.0454 | | RQ |
| PCB-116 (C85) | 33:29 | 3879 | 1.55 | 1.2126 | 0.2267 | 0.1943 | 0.0454 | 0.0454 | | RQ |
| PCB-117 (C85) | 33:29 | 3879 | 1.55 | 1.2126 | 0.2267 | 0.1943 | 0.0454 | 0.0454 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:40 | 55608 | 1.58 | 1.3511 | 2.499 | 2.499 | 0.0408 | 0.0408 | | |
| PCB-115 (C110) | 33:40 | 55608 | 1.58 | 1.3511 | 2.499 | 2.499 | 0.0408 | 0.0408 | | |
| PCB-82 | 34:00 | | | | | | 0.0635 | 0.0635 | | |
| PCB-111 | 34:24 | | | | | | 0.0386 | 0.0386 | | |
| PCB-120 | 34:51 | 3523 | 1.67 | 1.4907 | 0.1435 | 0.1435 | 0.0370 | 0.0370 | | |
| PCB-108 | 36:00 | 1203 | 1.55 | 1.2547 | 0.0676 | 0.0462 | 0.0350 | 0.0350 | | RQ |
| PCB-124 (C108) | 36:00 | 1203 | 1.55 | 1.2547 | 0.0676 | 0.0462 | 0.0350 | 0.0350 | | RQ |
| PCB-107 | 36:14 | 5854 | 1.55 | 1.3580 | 0.2281 | 0.2079 | 0.0323 | 0.0323 | | RQM |
| PCB-123 | 36:22 | | | | | | 0.0334 | 0.0334 | | |
| PCB-106 | 36:28 | | | | | | 0.0344 | 0.0344 | | |
| PCB-118 | 36:40 | 38990 | 1.54 | 1.2892 | 1.400 | 1.400 | 0.0316 | 0.0316 | | |
| PCB-122 | 37:02 | | | | | | 0.0378 | 0.0378 | | |
| PCB-114 | 37:13 | | | | | | 0.0300 | 0.0300 | | |
| PCB-105 | 37:50 | 8716 | 1.66 | 1.2887 | 0.3346 | 0.3346 | 0.0350 | 0.0350 | | |
| PCB-127 | 39:20 | | | | | | 0.0342 | 0.0342 | | |
| PCB-126 | 40:56 | | | | | | 0.0352 | 0.0352 | | |
| S Total Hexachlorobipheny | | | | | 18.8 | 18.7 | 0.0224 | 0.0224 | | RQ |
| D PCB-155L | 31:27 | 314329 | 1.37 | 0.9499 | 20.3 | 20.3 | 0.0330 | 0.0330 | 101 | |
| * PCB-138L | 39:46 | 394945 | 1.27 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:47 | 396513 | 1.29 | 1.2544 | 16.0 | 16.0 | 0.1764 | 0.1764 | 80.03 | |
| D PCB-156L | 43:56 | 787229 | 1.30 | 1.2289 | 32.4 | 32.4 | 0.1801 | 0.1801 | 81.10 | |
| D PCB-157L (C156L) | 43:56 | 787229 | 1.30 | 1.2289 | 32.4 | 32.4 | 0.1801 | 0.1801 | 81.10 | |
| D PCB-169L | 47:09 | 398289 | 1.19 | 1.0883 | 18.5 | 18.5 | 0.2033 | 0.2033 | 92.66 | |
| PCB-155 | 31:30 | | | | | | 0.0120 | 0.0120 | | |
| PCB-152 | 31:41 | | | | | | 0.0125 | 0.0125 | | |
| PCB-150 | 31:51 | | | | | | 0.0127 | 0.0127 | | |
| PCB-136 | 32:12 | 14399 | 1.28 | 1.1563 | 0.7923 | 0.7923 | 0.0136 | 0.0136 | | |
| PCB-145 | 32:31 | | | | | | 0.0132 | 0.0132 | | |
| PCB-148 | 34:00 | 1223 | 1.10 | 0.8982 | 0.0866 | 0.0866 | 0.0175 | 0.0175 | | Ma |
| PCB-135 | 34:35 | 22667 | 1.37 | 0.8691 | 1.659 | 1.659 | 0.0180 | 0.0180 | | M |
| PCB-151 (C135) | 34:35 | 22667 | 1.37 | 0.8691 | 1.659 | 1.659 | 0.0180 | 0.0180 | | M |
| PCB-154 | 34:53 | 6355 | 1.20 | 1.0180 | 0.3972 | 0.3972 | 0.0154 | 0.0154 | | |
| PCB-144 | 35:09 | 1377 | 1.24 | 0.9185 | 0.1345 | 0.0954 | 0.0171 | 0.0171 | | RQ |
| PCB-147 | 35:32 | 77627 | 1.27 | 0.9747 | 4.027 | 4.027 | 0.0279 | 0.0279 | | Ma |
| PCB-149 (C147) | 35:32 | 77627 | 1.27 | 0.9747 | 4.027 | 4.027 | 0.0279 | 0.0279 | | Ma |
| PCB-134 | 35:44 | 2520 | 1.26 | 0.8518 | 0.1496 | 0.1496 | 0.0319 | 0.0319 | | |
| PCB-143 (C134) | 35:44 | 2520 | 1.26 | 0.8518 | 0.1496 | 0.1496 | 0.0319 | 0.0319 | | |
| PCB-139 | 36:09 | 2214 | 1.14 | 0.9995 | 0.1120 | 0.1120 | 0.0272 | 0.0272 | | |
| PCB-140 (C139) | 36:09 | 2214 | 1.14 | 0.9995 | 0.1120 | 0.1120 | 0.0272 | 0.0272 | | |
| PCB-131 | 36:21 | | | | | | 0.0317 | 0.0317 | | |
| PCB-142 | 36:29 | | | | | | 0.0316 | 0.0316 | | |
| PCB-132 | 36:46 | 16997 | 1.43 | 0.8801 | 0.9766 | 0.9766 | 0.0309 | 0.0309 | | |
| PCB-133 | 37:18 | 2589 | 1.24 | 0.9064 | 0.1851 | 0.1444 | 0.0300 | 0.0300 | | RQ |
| PCB-165 | 37:42 | | | | | | 0.0242 | 0.0242 | | |
| PCB-146 | 37:56 | 27128 | 1.15 | 1.0084 | 1.360 | 1.360 | 0.0270 | 0.0270 | | M |
| PCB-161 | 38:05 | | | | | | 0.0203 | 0.0203 | | |
| PCB-153 | 38:33 | 91553 | 1.22 | 1.2207 | 3.793 | 3.793 | 0.0223 | 0.0223 | | |
| PCB-168 (C153) | 38:33 | 91553 | 1.22 | 1.2207 | 3.793 | 3.793 | 0.0223 | 0.0223 | | |
| PCB-141 | 38:45 | 9044 | 1.25 | 0.9608 | 0.4760 | 0.4760 | 0.0283 | 0.0283 | | |
| PCB-130 | 39:09 | 2811 | 1.24 | 0.8274 | 0.2089 | 0.1718 | 0.0328 | 0.0328 | | RQ |
| PCB-137 | 39:21 | 1683 | 1.23 | 1.0582 | 0.0804 | 0.0804 | 0.0257 | 0.0257 | | |
| PCB-164 | 39:29 | 7129 | 1.21 | 1.2527 | 0.2878 | 0.2878 | 0.0217 | 0.0217 | | |
| PCB-129 | 39:48 | 62483 | 1.33 | 1.0840 | 2.915 | 2.915 | 0.0251 | 0.0251 | | |
| PCB-138 (C129) | 39:48 | 62483 | 1.33 | 1.0840 | 2.915 | 2.915 | 0.0251 | 0.0251 | | |
| PCB-160 (C129) | 39:48 | 62483 | 1.33 | 1.0840 | 2.915 | 2.915 | 0.0251 | 0.0251 | | |
| PCB-163 (C129) | 39:48 | 62483 | 1.33 | 1.0840 | 2.915 | 2.915 | 0.0251 | 0.0251 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:12 | 6793 | 1.23 | 1.3862 | 0.2478 | 0.2478 | 0.0196 | 0.0196 | | |
| PCB-128 | 41:03 | 8585 | 1.30 | 1.1165 | 0.3888 | 0.3888 | 0.0243 | 0.0243 | | |
| PCB-166 (C128) | 41:03 | 8585 | 1.30 | 1.1165 | 0.3888 | 0.3888 | 0.0243 | 0.0243 | | |
| PCB-159 | 42:01 | 1755 | 1.24 | 1.3178 | 0.0760 | 0.0673 | 0.0206 | 0.0206 | | RQM |
| PCB-162 | 42:18 | 701 | 1.24 | 1.3623 | 0.0294 | 0.0260 | 0.0199 | 0.0199 | | RQ |
| PCB-167 | 42:48 | 2422 | 1.24 | 1.3357 | 0.1194 | 0.0915 | 0.0168 | 0.0168 | | RQ |
| PCB-156 | 43:56 | 6978 | 1.24 | 1.2759 | 0.3021 | 0.2779 | 0.0264 | 0.0264 | | RQ |
| PCB-157 (C156) | 43:56 | 6978 | 1.24 | 1.2759 | 0.3021 | 0.2779 | 0.0264 | 0.0264 | | RQ |
| PCB-169 | 47:11 | 1111 | 1.33 | 1.2825 | 0.0435 | 0.0435 | 0.0180 | 0.0180 | | Ma |
| S Total Heptachlorobiphen | | | | | 11.3 | 11.3 | 0.0165 | 0.0165 | | RQ |
| D PCB-188L | 37:10 | 356701 | 1.15 | 1.3162 | 16.4 | 16.4 | 0.0384 | 0.0384 | 81.88 | |
| $ PCB-178L | 40:13 | 267806 | 1.14 | 0.9222 | 17.5 | 17.5 | 0.0548 | 0.0548 | 87.73 | |
| * PCB-180L | 45:19 | 330993 | 1.04 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:35 | 232106 | 1.03 | 0.8357 | 16.8 | 16.8 | 0.0605 | 0.0605 | 83.91 | |
| D PCB-189L | 49:42 | 431745 | 0.99 | 1.4666 | 14.8 | 14.8 | 0.4378 | 0.4378 | 74.16 | |
| PCB-188 | 37:13 | | | | | | 0.0125 | 0.0125 | | |
| PCB-179 | 37:32 | 13662 | 1.16 | 1.4149 | 0.6560 | 0.6560 | 0.0134 | 0.0134 | | |
| PCB-184 | 38:02 | 274 | 1.05 | 1.4191 | 0.0165 | 0.0131 | 0.0133 | 0.0133 | | RQMa |
| PCB-176 | 38:23 | 3868 | 0.90 | 1.5212 | 0.1727 | 0.1727 | 0.0124 | 0.0124 | | |
| PCB-186 | 38:53 | | | | | | 0.0132 | 0.0132 | | |
| PCB-178 | 40:16 | 4945 | 1.18 | 1.0228 | 0.3285 | 0.3285 | 0.0185 | 0.0185 | | |
| PCB-175 | 40:52 | 1641 | 1.08 | 1.0690 | 0.1043 | 0.1043 | 0.0177 | 0.0177 | | |
| PCB-187 | 41:10 | 30259 | 0.96 | 1.1106 | 1.851 | 1.851 | 0.0170 | 0.0170 | | a |
| PCB-182 | 41:20 | 1139 | 1.21 | 1.1484 | 0.0674 | 0.0674 | 0.0165 | 0.0165 | | |
| PCB-183 | 41:47 | 13215 | 0.96 | 1.1368 | 0.7897 | 0.7897 | 0.0166 | 0.0166 | | a |
| PCB-185 (C183) | 41:47 | 13215 | 0.96 | 1.1368 | 0.7897 | 0.7897 | 0.0166 | 0.0166 | | a |
| PCB-174 | 42:01 | 18947 | 1.13 | 0.9547 | 1.348 | 1.348 | 0.0198 | 0.0198 | | a |
| PCB-177 | 42:27 | 13588 | 0.93 | 0.9426 | 0.9793 | 0.9793 | 0.0200 | 0.0200 | | a |
| PCB-181 | 42:46 | 755 | 1.05 | 1.1075 | 0.0551 | 0.0463 | 0.0171 | 0.0171 | | RQ |
| PCB-171 | 43:04 | 5227 | 1.05 | 0.9603 | 0.4138 | 0.3698 | 0.0197 | 0.0197 | | RQ |
| PCB-173 (C171) | 43:04 | 5227 | 1.05 | 0.9603 | 0.4138 | 0.3698 | 0.0197 | 0.0197 | | RQ |
| PCB-172 | 44:42 | 4379 | 0.99 | 0.9918 | 0.2999 | 0.2999 | 0.0191 | 0.0191 | | |
| PCB-192 | 44:58 | 508 | 1.05 | 1.2904 | 0.0409 | 0.0267 | 0.0146 | 0.0146 | | RQ |
| PCB-180 | 45:21 | 46800 | 1.03 | 1.2286 | 2.588 | 2.588 | 0.0154 | 0.0154 | | a |
| PCB-193 (C180) | 45:21 | 46800 | 1.03 | 1.2286 | 2.588 | 2.588 | 0.0154 | 0.0154 | | a |
| PCB-191 | 45:44 | 2072 | 1.19 | 1.3848 | 0.1016 | 0.1016 | 0.0136 | 0.0136 | | M |
| PCB-170 | 46:36 | 16551 | 1.12 | 1.2700 | 1.123 | 1.123 | 0.0187 | 0.0187 | | |
| PCB-190 | 47:07 | 5677 | 1.16 | 1.3774 | 0.2800 | 0.2800 | 0.0137 | 0.0137 | | |
| PCB-189 | 49:44 | 3159 | 1.15 | 1.2799 | 0.1143 | 0.1143 | 0.0246 | 0.0246 | | |
| S Total Octachlorobipheny | | | | | 3.177 | 3.067 | 0.0171 | 0.0171 | | RQ |
| D PCB-202L | 42:33 | 315413 | 0.90 | 1.0055 | 19.0 | 19.0 | 0.008869 | 0.008869 | 94.77 | |
| * PCB-194L | 51:48 | 396954 | 0.94 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:17 | 401403 | 0.89 | 1.2867 | 15.7 | 15.7 | 0.2942 | 0.2942 | 78.59 | |
| PCB-202 | 42:35 | 1588 | 0.89 | 1.0531 | 0.1388 | 0.0956 | 0.0152 | 0.0152 | | RQ |
| PCB-201 | 43:32 | 1208 | 0.89 | 1.1860 | 0.0802 | 0.0646 | 0.0135 | 0.0135 | | RQ |
| PCB-204 | 44:11 | 404 | 0.89 | 1.1009 | 0.0259 | 0.0233 | 0.0145 | 0.0145 | | RQ |
| PCB-197 | 44:25 | 778 | 0.89 | 1.2053 | 0.0470 | 0.0409 | 0.0133 | 0.0133 | | RQa |
| PCB-200 | 44:30 | 1475 | 0.89 | 1.1260 | 0.1153 | 0.0831 | 0.0142 | 0.0142 | | RQ |
| PCB-198 | 47:18 | 9927 | 0.82 | 0.8183 | 0.7693 | 0.7693 | 0.0195 | 0.0195 | | |
| PCB-199 (C198) | 47:18 | 9927 | 0.82 | 0.8183 | 0.7693 | 0.7693 | 0.0195 | 0.0195 | | |
| PCB-196 | 47:59 | 5283 | 0.83 | 0.8748 | 0.3829 | 0.3829 | 0.0183 | 0.0183 | | Ma |
| PCB-203 | 48:10 | 6755 | 0.81 | 0.9219 | 0.4646 | 0.4646 | 0.0173 | 0.0173 | | M |
| PCB-195 | 49:29 | 5757 | 0.78 | 0.7839 | 0.3659 | 0.3659 | 0.0251 | 0.0251 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:50 | 12950 | 0.93 | 0.9282 | 0.6952 | 0.6952 | 0.0212 | 0.0212 | | |
| PCB-205 | 52:17 | 2025 | 0.89 | 1.2342 | 0.0916 | 0.0817 | 0.0159 | 0.0159 | | RQ |
| S Total Nonachlorobipheny | | | | | 0.4786 | 0.4786 | 0.0609 | 0.0609 | | |
| D PCB-208L | 49:14 | 368872 | 0.74 | 1.1383 | 16.3 | 16.3 | 0.3611 | 0.3611 | 81.64 | |
| D PCB-206L | 54:02 | 275286 | 0.84 | 0.8938 | 15.5 | 15.5 | 0.4599 | 0.4599 | 77.59 | |
| PCB-208 | 49:16 | | | | | | 0.0565 | 0.0565 | | |
| PCB-207 | 50:12 | | | | | | 0.0534 | 0.0534 | | |
| PCB-206 | 54:04 | 7857 | 0.65 | 1.1927 | 0.4786 | 0.4786 | 0.0728 | 0.0728 | | M |
| D PCB-209L | 55:40 | 311675 | 0.69 | 0.9809 | 16.0 | 16.0 | 0.0622 | 0.0622 | 80.05 | |
| DCB Decachlorobiphenyl | 55:42 | 8059 | 0.67 | 1.2455 | 0.4152 | 0.4152 | 0.0167 | 0.0167 | | |
| S Polychlorinated bipheny | | | | | 59.3 | 0.4152 | 0.0285 | 0.0285 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d
Lims ID: 580-88908-A-33-C
Client ID: J5-SC1b-90to100-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 02:55:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:05:31 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: davidsonm Date: 04-Oct-2019 14:05:31

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 11:57 | 11:57 | 13 | 0.739 | 277236 | 83011 | 174 | 435 | 477 | | a |
| 202.0766 | 11:57 | 11:57 | 13 | 0.739 | 93620 | 28356 | 940 | 2350 | 30 | 2.96(2.66-3.60) | M |
| PCB-3L | | | | | | | | | | | M |
| 200.0795 | 14:02 | 14:02 | 8 | 0.867 | 329565 | 70959 | 174 | 435 | 408 | | |
| 202.0766 | 14:02 | 14:02 | 8 | 0.867 | 105042 | 22962 | 940 | 2350 | 24 | 3.14(2.66-3.60) | M |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 12:00 | | | | | | 52 | 130 | | | |
| 190.0363 | 12:00 | | | | | | 32 | 80 | | | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:54 | | | | | | 52 | 130 | | | |
| 190.0363 | 13:54 | | | | | | 32 | 80 | | | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:01 | | | | | | 52 | 130 | | | |
| 190.0363 | 14:01 | | | | | | 32 | 80 | | | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:16 | 14:17 | 7 | 0.882 | 123923 | 27255 | 665 | 1662 | 41 | | |
| 236.0376 | 14:16 | 14:17 | 7 | 0.882 | 79239 | 16502 | 184 | 460 | 90 | 1.56(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:11 | 16:05 | 6 | | 326853 | 82919 | 665 | 1662 | 125 | | |
| 236.0376 | 16:11 | 16:05 | 6 | | 188920 | 49871 | 184 | 460 | 271 | 1.73(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | M |
| 234.0406 | 20:02 | 20:02 | 1 | 1.239 | 283101 | 64966 | 665 | 1662 | 98 | | M |
| 236.0376 | 20:02 | 20:02 | 1 | 1.239 | 158349 | 38484 | 184 | 460 | 209 | 1.79(1.33-1.79) | M |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:14 | | | | | | 31 | 77 | | | |
| 223.9974 | 14:14 | | | | | | 26 | 65 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:27 | | | | | | 31 | 77 | | | |
| 223.9974 | 14:27 | | | | | | 26 | 65 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:15 | | | | | | 31 | 77 | | | |
| 223.9974 | 16:15 | | | | | | 26 | 65 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:25 | | | | | | 31 | 77 | | | |
| 223.9974 | 16:25 | | | | | | 26 | 65 | | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:40 | | | | | | 31 | 77 | | | |
| 223.9974 | 16:40 | | | | | | 26 | 65 | | | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | | | | | | 31 | 77 | | | |
| 223.9974 | 16:56 | | | | | | 26 | 65 | | | |
| PCB-8 | | | | | | | | | | | RQU |
| 222.0003 | 17:02 | | | | | | 31 | 77 | | | |
| 223.9974 | 17:02 | | | | | | 26 | 65 | | | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:35 | | | | | | 31 | 77 | | | |
| 223.9974 | 18:35 | | | | | | 26 | 65 | | | |
| PCB-11 | | | | | | | | | | | RQ |
| 222.0003 | 19:26 | 19:29 | 3 | 0.970 | 2067 | 359 | 31 | 77 | 12 | | |
| | Empc Correction | | | | 1630 | 389 | 31 | 77 | 13 | | |
| 223.9974 | 19:25 | 19:29 | 1 | 0.969 | 1045 | 250 | 26 | 65 | 10 | 1.98(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | | | | | | 31 | 77 | | | |
| 223.9974 | 19:45 | | | | | | 26 | 65 | | | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | | | | | | 31 | 77 | | | |
| 223.9974 | 19:45 | | | | | | 26 | 65 | | | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:01 | | | | | | 31 | 77 | | | |
| 223.9974 | 20:01 | | | | | | 26 | 65 | | | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:17 | 17:18 | 3 | 0.844 | 78918 | 18231 | 346 | 865 | 53 | | |
| 269.9986 | 17:17 | 17:18 | 3 | 0.844 | 80000 | 20828 | 408 | 1020 | 51 | 0.99(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:30 | 20:28 | 2 | | 185475 | 45248 | 346 | 865 | 131 | | |
| 269.9986 | 20:30 | 20:28 | 2 | | 172464 | 44088 | 408 | 1020 | 108 | 1.08(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:44 | 22:43 | 1 | | 389803 | 95318 | 439 | 1097 | 217 | | |
| 269.9986 | 22:44 | 22:43 | 1 | | 383755 | 90232 | 243 | 607 | 371 | 1.02(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:02 | 23:03 | 1 | 1.013 | 330189 | 77177 | 439 | 1097 | 176 | | |
| 269.9986 | 23:02 | 23:03 | 1 | 1.013 | 312768 | 72447 | 243 | 607 | 298 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:01 | 27:06 | -2 | 1.188 | 281540 | 63662 | 439 | 1097 | 145 | | |
| 269.9986 | 27:01 | 27:06 | -2 | 1.188 | 279217 | 56353 | 243 | 607 | 232 | 1.01(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:17 | | | | | | 22 | 55 | | | |
| 257.9584 | 17:17 | | | | | | 13 | 32 | | | |
| PCB-18 | | | | | | | | | | | RQ |
| 255.9613 | 19:08 | 19:04 | 4 | 1.107 | 934 | 206 | 22 | 55 | 9 | | |
| 257.9584 | 19:08 | 19:04 | 4 | 1.107 | 1741 | 296 | 13 | 32 | 23 | 0.54(0.88-1.20) | |
| | Empc Correction | | | | 898 | 198 | 13 | 32 | 15 | | |
| PCB-30 (C18) | | | | | | | | | | | RQ |
| 255.9613 | 19:08 | 19:04 | 4 | 1.107 | 934 | 206 | 22 | 55 | 9 | | |
| 257.9584 | 19:08 | 19:04 | 4 | 1.107 | 1741 | 296 | 13 | 32 | 23 | 0.54(0.88-1.20) | |
| | Empc Correction | | | | 898 | 198 | 13 | 32 | 15 | | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:34 | 19:30 | 4 | 1.132 | 628 | 177 | 22 | 55 | 8 | | |
| 257.9584 | 19:33 | 19:30 | 3 | 1.131 | 595 | 159 | 13 | 32 | 12 | 1.06(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:47 | | | | | | 22 | 55 | | | |
| 257.9584 | 19:47 | | | | | | 13 | 32 | | | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:56 | | | | | | 22 | 55 | | | |
| 257.9584 | 19:56 | | | | | | 13 | 32 | | | |
| PCB-16 | | | | | | | | | | | RQ |
| 255.9613 | 19:59 | 20:02 | 1 | 1.156 | 358 | 103 | 22 | 55 | 5 | | |
| 257.9584 | 20:00 | 20:02 | 2 | 1.157 | 429 | 132 | 13 | 32 | 10 | 0.83(0.88-1.20) | |
| | Empc Correction | | | | 344 | 99 | 13 | 32 | 8 | | |
| PCB-32 | | | | | | | | | | | RQ |
| 255.9613 | 20:33 | 20:29 | 4 | 1.188 | 959 | 204 | 22 | 55 | 9 | | |
| | Empc Correction | | | | 797 | 113 | 22 | 55 | 5 | | |
| 257.9584 | 20:31 | 20:29 | 2 | 1.187 | 767 | 109 | 13 | 32 | 8 | 1.25(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:47 | | | | | | 36 | 90 | | | |
| 257.9584 | 21:47 | | | | | | 37 | 92 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:59 | | | | | | 36 | 90 | | | |
| 257.9584 | 21:59 | | | | | | 37 | 92 | | | |
| PCB-26 | | | | | | | | | | | RQ |
| 255.9613 | 22:13 | 22:12 | 1 | 1.285 | 882 | 268 | 36 | 90 | 7 | | |
| 257.9584 | 22:13 | 22:12 | 1 | 1.285 | 1362 | 353 | 37 | 92 | 10 | 0.65(0.88-1.20) | |
| | Empc Correction | | | | 848 | 257 | 37 | 92 | 7 | | |
| PCB-29 (C26) | | | | | | | | | | | RQ |
| 255.9613 | 22:13 | 22:12 | 1 | 1.285 | 882 | 268 | 36 | 90 | 7 | | |
| 257.9584 | 22:13 | 22:12 | 1 | 1.285 | 1362 | 353 | 37 | 92 | 10 | 0.65(0.88-1.20) | |
| | Empc Correction | | | | 848 | 257 | 37 | 92 | 7 | | |
| PCB-25 | | | | | | | | | | | RQ |
| 255.9613 | 22:27 | 22:28 | 1 | 0.831 | 1265 | 277 | 36 | 90 | 8 | | |
| 257.9584 | 22:27 | 22:28 | 1 | 0.831 | 1491 | 302 | 37 | 92 | 8 | 0.85(0.88-1.20) | |
| | Empc Correction | | | | 1216 | 266 | 37 | 92 | 7 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:46 | 22:47 | 1 | 0.843 | 3958 | 1005 | 36 | 90 | 28 | | |
| 257.9584 | 22:45 | 22:47 | 1 | 0.842 | 3610 | 778 | 37 | 92 | 21 | 1.10(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:03 | 23:03 | 1 | 0.853 | 5715 | 1346 | 36 | 90 | 37 | | |
| 257.9584 | 23:03 | 23:03 | 1 | 0.853 | 5764 | 1257 | 37 | 92 | 34 | 0.99(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:03 | 23:03 | 1 | 0.853 | 5715 | 1346 | 36 | 90 | 37 | | |
| 257.9584 | 23:03 | 23:03 | 1 | 0.853 | 5764 | 1257 | 37 | 92 | 34 | 0.99(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | RQ |
| 255.9613 | 23:18 | 23:14 | 2 | 0.862 | 2459 | 561 | 36 | 90 | 16 | | |
| 257.9584 | 23:17 | 23:14 | 1 | 0.862 | 2843 | 588 | 37 | 92 | 16 | 0.86(0.88-1.20) | |
| | Empc Correction | | | | 2364 | 539 | 37 | 92 | 15 | | |
| PCB-33 (C21) | | | | | | | | | | | RQ |
| 255.9613 | 23:18 | 23:14 | 2 | 0.862 | 2459 | 561 | 36 | 90 | 16 | | |
| 257.9584 | 23:17 | 23:14 | 1 | 0.862 | 2843 | 588 | 37 | 92 | 16 | 0.86(0.88-1.20) | |
| | Empc Correction | | | | 2364 | 539 | 37 | 92 | 15 | | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:42 | | | | | | 36 | 90 | | | |
| 257.9584 | 23:42 | | | | | | 37 | 92 | | | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:13 | | | | | | 36 | 90 | | | |
| 257.9584 | 25:13 | | | | | | 37 | 92 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:37 | | | | | | 36 | 90 | | | |
| 257.9584 | 25:37 | | | | | | 37 | 92 | | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:10 | | | | | | 36 | 90 | | | |
| 257.9584 | 26:10 | | | | | | 37 | 92 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:36 | | | | | | 36 | 90 | | | |
| 257.9584 | 26:36 | | | | | | 37 | 92 | | | |
| PCB-37 | | | | | | | | | | | RQ |
| 255.9613 | 27:02 | 27:03 | 1 | 1.001 | 1188 | 289 | 36 | 90 | 8 | | |
| | Empc Correction | | | | 838 | 246 | 36 | 90 | 7 | | |
| 257.9584 | 27:02 | 27:03 | 0 | 1.000 | 806 | 237 | 37 | 92 | 6 | 1.47(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:20 | 20:21 | 1 | 0.818 | 73760 | 17640 | 105 | 262 | 168 | | |
| 303.9597 | 20:20 | 20:21 | 1 | 0.818 | 101351 | 25091 | 28 | 70 | 896 | 0.73(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:51 | 24:50 | 1 | | 181043 | 41261 | 68 | 170 | 607 | | |
| 303.9597 | 24:51 | 24:50 | 1 | | 238629 | 58024 | 96 | 240 | 604 | 0.76(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:46 | 33:50 | -1 | 1.359 | 175222 | 33770 | 68 | 170 | 497 | | |
| 303.9597 | 33:45 | 33:50 | -2 | 1.358 | 241187 | 49250 | 96 | 240 | 513 | 0.73(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:19 | 34:23 | -2 | 1.381 | 200404 | 37738 | 68 | 170 | 555 | | |
| 303.9597 | 34:19 | 34:23 | -2 | 1.381 | 243474 | 48031 | 96 | 240 | 500 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:18 | | | | | | 14 | 35 | | | |
| 291.9194 | 20:18 | | | | | | 11 | 27 | | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:27 | | | | | | 23 | 57 | | | |
| 291.9194 | 22:27 | | | | | | 30 | 75 | | | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:27 | | | | | | 23 | 57 | | | |
| 291.9194 | 22:27 | | | | | | 30 | 75 | | | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:12 | | | | | | 23 | 57 | | | |
| 291.9194 | 23:12 | | | | | | 30 | 75 | | | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:12 | | | | | | 23 | 57 | | | |
| 291.9194 | 23:12 | | | | | | 30 | 75 | | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:28 | | | | | | 23 | 57 | | | |
| 291.9194 | 23:28 | | | | | | 30 | 75 | | | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:53 | 24:55 | 1 | 1.224 | 15733 | 3903 | 23 | 57 | 170 | | |
| 291.9194 | 24:53 | 24:55 | 1 | 1.224 | 17981 | 4243 | 30 | 75 | 141 | 0.87(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 23 | 57 | | | |
| 291.9194 | 25:04 | | | | | | 30 | 75 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 23 | 57 | | | |
| 291.9194 | 25:04 | | | | | | 30 | 75 | | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:22 | 25:18 | 2 | 1.248 | 11899 | 2857 | 23 | 57 | 124 | | |
| 291.9194 | 25:22 | 25:18 | 2 | 1.248 | 15730 | 3485 | 30 | 75 | 116 | 0.76(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:22 | 25:18 | 2 | 1.248 | 11899 | 2857 | 23 | 57 | 124 | | |
| 291.9194 | 25:22 | 25:18 | 2 | 1.248 | 15730 | 3485 | 30 | 75 | 116 | 0.76(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:37 | | | | | | 23 | 57 | | | |
| 291.9194 | 25:37 | | | | | | 30 | 75 | | | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:56 | 2 | 1.275 | 11491 | 1700 | 23 | 57 | 74 | | |
| 291.9194 | 25:54 | 25:56 | 1 | 1.274 | 14406 | 2236 | 30 | 75 | 75 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:56 | 2 | 1.275 | 11491 | 1700 | 23 | 57 | 74 | | |
| 291.9194 | 25:54 | 25:56 | 1 | 1.274 | 14406 | 2236 | 30 | 75 | 75 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:56 | 2 | 1.275 | 11491 | 1700 | 23 | 57 | 74 | | |
| 291.9194 | 25:54 | 25:56 | 1 | 1.274 | 14406 | 2236 | 30 | 75 | 75 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | RQ |
| 289.9224 | 26:14 | 26:12 | 4 | 1.291 | 772 | 130 | 23 | 57 | 6 | | |
| 291.9194 | 26:13 | 26:12 | 2 | 1.290 | 1549 | 298 | 30 | 75 | 10 | 0.50(0.65-0.89) | |
| | Empc Correction | | | | 1002 | 168 | 30 | 75 | 6 | | |
| PCB-62 (C59) | | | | | | | | | | | RQ |
| 289.9224 | 26:14 | 26:12 | 4 | 1.291 | 772 | 130 | 23 | 57 | 6 | | |
| 291.9194 | 26:13 | 26:12 | 2 | 1.290 | 1549 | 298 | 30 | 75 | 10 | 0.50(0.65-0.89) | |
| | Empc Correction | | | | 1002 | 168 | 30 | 75 | 6 | | |
| PCB-75 (C59) | | | | | | | | | | | RQ |
| 289.9224 | 26:14 | 26:12 | 4 | 1.291 | 772 | 130 | 23 | 57 | 6 | | |
| 291.9194 | 26:13 | 26:12 | 2 | 1.290 | 1549 | 298 | 30 | 75 | 10 | 0.50(0.65-0.89) | |
| | Empc Correction | | | | 1002 | 168 | 30 | 75 | 6 | | |
| PCB-42 | | | | | | | | | | | RQ |
| 289.9224 | 26:23 | 26:22 | 0 | 1.299 | 1733 | 384 | 23 | 57 | 17 | | |
| 291.9194 | 26:23 | 26:22 | -1 | 1.298 | 2906 | 593 | 30 | 75 | 20 | 0.60(0.65-0.89) | |
| | Empc Correction | | | | 2250 | 498 | 30 | 75 | 17 | | |
| PCB-40 | | | | | | | | | | | RQMa |
| 289.9224 | 26:54 | 26:53 | 1 | 1.324 | 2572 | 504 | 23 | 57 | 22 | | M |
| 291.9194 | 26:53 | 26:53 | 1 | 1.323 | 4588 | 837 | 30 | 75 | 28 | 0.56(0.65-0.89) | |
| | Empc Correction | | | | 3340 | 654 | 30 | 75 | 22 | | |
| PCB-41 (C40) | | | | | | | | | | | RQMa |
| 289.9224 | 26:54 | 26:53 | 1 | 1.324 | 2572 | 504 | 23 | 57 | 22 | | M |
| 291.9194 | 26:53 | 26:53 | 1 | 1.323 | 4588 | 837 | 30 | 75 | 28 | 0.56(0.65-0.89) | |
| | Empc Correction | | | | 3340 | 654 | 30 | 75 | 22 | | |
| PCB-71 (C40) | | | | | | | | | | | RQMa |
| 289.9224 | 26:54 | 26:53 | 1 | 1.324 | 2572 | 504 | 23 | 57 | 22 | | M |
| 291.9194 | 26:53 | 26:53 | 1 | 1.323 | 4588 | 837 | 30 | 75 | 28 | 0.56(0.65-0.89) | |
| | Empc Correction | | | | 3340 | 654 | 30 | 75 | 22 | | |
| PCB-64 | | | | | | | | | | | M |
| 289.9224 | 27:06 | 27:06 | 1 | 1.334 | 2614 | 580 | 23 | 57 | 25 | | M |
| 291.9194 | 27:07 | 27:06 | 1 | 1.334 | 3177 | 666 | 30 | 75 | 22 | 0.82(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | RQ |
| 289.9224 | 27:57 | 27:55 | 1 | 0.828 | 1800 | 355 | 23 | 57 | 15 | | |
| | Empc Correction | | | | 1401 | 261 | 23 | 57 | 11 | | |
| 291.9194 | 27:54 | 27:55 | -2 | 0.827 | 1820 | 340 | 30 | 75 | 11 | 0.99(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | RQM |
| 289.9224 | 28:13 | 28:13 | -1 | 0.836 | 1338 | 332 | 23 | 57 | 14 | | |
| 291.9194 | 28:13 | 28:13 | 0 | 0.836 | 2897 | 499 | 30 | 75 | 17 | 0.46(0.65-0.89) | M |
| | Empc Correction | | | | 1737 | 431 | 30 | 75 | 14 | | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:37 | | | | | | 23 | 57 | | | |
| 291.9194 | 28:37 | | | | | | 30 | 75 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:52 | | | | | | 23 | 57 | | | |
| 291.9194 | 28:52 | | | | | | 30 | 75 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:01 | | | | | | 23 | 57 | | | |
| 291.9194 | 29:01 | | | | | | 30 | 75 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:16 | | | | | | 23 | 57 | | | |
| 291.9194 | 29:16 | | | | | | 30 | 75 | | | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 14474 | 2699 | 23 | 57 | 117 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 18484 | 3304 | 30 | 75 | 110 | 0.78(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 14474 | 2699 | 23 | 57 | 117 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 18484 | 3304 | 30 | 75 | 110 | 0.78(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 14474 | 2699 | 23 | 57 | 117 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 18484 | 3304 | 30 | 75 | 110 | 0.78(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 14474 | 2699 | 23 | 57 | 117 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 18484 | 3304 | 30 | 75 | 110 | 0.78(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 29:58 | 29:59 | 0 | 0.888 | 9449 | 2030 | 23 | 57 | 88 | | |
| 291.9194 | 29:58 | 29:59 | 0 | 0.888 | 12052 | 2517 | 30 | 75 | 84 | 0.78(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:07 | | | | | | 23 | 57 | | | |
| 291.9194 | 30:07 | | | | | | 30 | 75 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:37 | 30:35 | -1 | 0.907 | 2008 | 450 | 23 | 57 | 20 | | |
| 291.9194 | 30:39 | 30:35 | 1 | 0.908 | 2250 | 496 | 30 | 75 | 17 | 0.89(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:50 | | | | | | 23 | 57 | | | |
| 291.9194 | 30:50 | | | | | | 30 | 75 | | | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:15 | | | | | | 23 | 57 | | | |
| 291.9194 | 31:15 | | | | | | 30 | 75 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:48 | | | | | | 23 | 57 | | | |
| 291.9194 | 32:48 | | | | | | 30 | 75 | | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:20 | | | | | | 23 | 57 | | | |
| 291.9194 | 33:20 | | | | | | 30 | 75 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:46 | | | | | | 23 | 57 | | | |
| 291.9194 | 33:46 | | | | | | 30 | 75 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:18 | | | | | | 23 | 57 | | | |
| 291.9194 | 34:18 | | | | | | 30 | 75 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:48 | 25:50 | -1 | 0.815 | 201144 | 45247 | 10 | 25 | 4525 | | |
| 339.9178 | 25:48 | 25:50 | -1 | 0.815 | 128200 | 29159 | 31 | 77 | 941 | 1.57(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:40 | 31:41 | -1 | | 204020 | 46581 | 10 | 25 | 4658 | | |
| 339.9178 | 31:41 | 31:41 | 0 | | 122715 | 24902 | 31 | 77 | 803 | 1.66(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:22 | 34:23 | -1 | 1.085 | 215056 | 47594 | 10 | 25 | 4759 | | |
| 339.9178 | 34:22 | 34:23 | -1 | 1.085 | 133319 | 28572 | 31 | 77 | 922 | 1.61(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:19 | 36:23 | -3 | 1.146 | 256866 | 48155 | 413 | 1032 | 117 | | |
| 339.9178 | 36:19 | 36:23 | -3 | 1.147 | 161565 | 32238 | 350 | 875 | 92 | 1.59(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:38 | 36:42 | -3 | 1.157 | 264221 | 54972 | 413 | 1032 | 133 | | |
| 339.9178 | 36:39 | 36:42 | -3 | 1.157 | 167888 | 33267 | 350 | 875 | 95 | 1.57(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:10 | 37:14 | -3 | 1.174 | 258996 | 52361 | 413 | 1032 | 127 | | |
| 339.9178 | 37:10 | 37:14 | -3 | 1.174 | 156416 | 32963 | 350 | 875 | 94 | 1.66(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:49 | 37:52 | -3 | 1.194 | 239995 | 48144 | 413 | 1032 | 117 | | |
| 339.9178 | 37:49 | 37:52 | -3 | 1.194 | 164310 | 31582 | 350 | 875 | 90 | 1.46(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:18 | 39:18 | -1 | | 327770 | 66497 | 413 | 1032 | 161 | | |
| 339.9178 | 39:18 | 39:18 | -1 | | 208990 | 43005 | 350 | 875 | 123 | 1.57(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:54 | 40:57 | -2 | 1.291 | 249747 | 48313 | 413 | 1032 | 117 | | |
| 339.9178 | 40:54 | 40:57 | -2 | 1.291 | 153872 | 27940 | 350 | 875 | 80 | 1.62(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:49 | | | | | | 59 | 147 | | | |
| 327.8775 | 25:49 | | | | | | 23 | 57 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:12 | | | | | | 59 | 147 | | | |
| 327.8775 | 26:12 | | | | | | 23 | 57 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:07 | 28:07 | 1 | 1.090 | 1910 | 416 | 59 | 147 | 7 | | |
| 327.8775 | 28:07 | 28:07 | 1 | 1.090 | 1343 | 256 | 23 | 57 | 11 | 1.42(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:22 | | | | | | 59 | 147 | | | |
| 327.8775 | 28:22 | | | | | | 23 | 57 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:46 | 28:47 | 0 | 1.115 | 22730 | 5398 | 59 | 147 | 91 | | |
| 327.8775 | 28:47 | 28:47 | 1 | 1.115 | 14150 | 2982 | 23 | 57 | 130 | 1.61(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | RQM |
| 325.8804 | 28:58 | 28:56 | -2 | 1.122 | 813 | 295 | 59 | 147 | 5 | | M |
| 327.8775 | 28:58 | 28:56 | -2 | 1.122 | 801 | 186 | 23 | 57 | 8 | 1.01(1.32-1.78) | |
| | Empc Correction | | | | 524 | 190 | 23 | 57 | 8 | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | RQM |
| 325.8804 | 28:58 | 28:56 | -2 | 1.122 | 813 | 295 | 59 | 147 | 5 | | M |
| 327.8775 | 28:58 | 28:56 | -2 | 1.122 | 801 | 186 | 23 | 57 | 8 | 1.01(1.32-1.78) | |
| | Empc Correction | | | | 524 | 190 | 23 | 57 | 8 | | |
| PCB-98 | | | | | | | | | | | RQMa |
| 325.8804 | 29:06 | 29:06 | -2 | 1.128 | 932 | 154 | 59 | 147 | 3 | | M |
| 327.8775 | 29:08 | 29:06 | 0 | 1.129 | 1237 | 334 | 23 | 57 | 15 | 0.75(1.32-1.78) | |
| | Empc Correction | | | | 601 | 99 | 23 | 57 | 4 | | |
| PCB-102 (C98) | | | | | | | | | | | RQMa |
| 325.8804 | 29:06 | 29:06 | -2 | 1.128 | 932 | 154 | 59 | 147 | 3 | | M |
| 327.8775 | 29:08 | 29:06 | 0 | 1.129 | 1237 | 334 | 23 | 57 | 15 | 0.75(1.32-1.78) | |
| | Empc Correction | | | | 601 | 99 | 23 | 57 | 4 | | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:38 | 29:36 | 0 | 1.149 | 6803 | 1645 | 59 | 147 | 28 | | |
| 327.8775 | 29:38 | 29:36 | 0 | 1.149 | 4414 | 1204 | 23 | 57 | 52 | 1.54(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:38 | 29:36 | 0 | 1.149 | 6803 | 1645 | 59 | 147 | 28 | | |
| 327.8775 | 29:38 | 29:36 | 0 | 1.149 | 4414 | 1204 | 23 | 57 | 52 | 1.54(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | RQ |
| 325.8804 | 29:51 | 29:51 | 0 | 1.157 | 4053 | 918 | 59 | 147 | 16 | | |
| 327.8775 | 29:51 | 29:51 | 0 | 1.157 | 3355 | 638 | 23 | 57 | 28 | 1.21(1.32-1.78) | |
| | Empc Correction | | | | 2614 | 592 | 23 | 57 | 26 | | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:20 | | | | | | 59 | 147 | | | |
| 327.8775 | 30:20 | | | | | | 23 | 57 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:45 | | | | | | 59 | 147 | | | |
| 327.8775 | 30:45 | | | | | | 23 | 57 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:07 | 31:05 | -1 | 0.857 | 9285 | 1722 | 59 | 147 | 29 | | |
| 327.8775 | 31:07 | 31:05 | -1 | 0.857 | 5602 | 1091 | 23 | 57 | 47 | 1.66(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:42 | 31:42 | 0 | 1.228 | 34355 | 7251 | 59 | 147 | 123 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 21229 | 4507 | 23 | 57 | 196 | 1.62(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:42 | 31:42 | 0 | 1.228 | 34355 | 7251 | 59 | 147 | 123 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 21229 | 4507 | 23 | 57 | 196 | 1.62(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:42 | 31:42 | 0 | 1.228 | 34355 | 7251 | 59 | 147 | 123 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 21229 | 4507 | 23 | 57 | 196 | 1.62(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:17 | 32:18 | -1 | 1.251 | 23141 | 4281 | 59 | 147 | 73 | | M |
| 327.8775 | 32:17 | 32:18 | -1 | 1.251 | 15057 | 2639 | 23 | 57 | 115 | 1.54(1.32-1.78) | M |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:17 | 32:18 | -1 | 1.251 | 23141 | 4281 | 59 | 147 | 73 | | M |
| 327.8775 | 32:17 | 32:18 | -1 | 1.251 | 15057 | 2639 | 23 | 57 | 115 | 1.54(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-112 | | | | | | | | | | | RQMa |
| 325.8804 | 32:26 | 32:24 | 2 | 1.257 | 592 | 180 | 59 | 147 | 3 | | M |
| | Empc Correction | | | | 218 | 117 | 59 | 147 | 2 | | |
| 327.8775 | 32:24 | 32:24 | -1 | 1.256 | 141 | 76 | 23 | 57 | 3 | 4.20(1.32-1.78) | |
| PCB-86 | | | | | | | | | | | |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 14079 | 1867 | 59 | 147 | 32 | | |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 8427 | 1072 | 23 | 57 | 47 | 1.67(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 14079 | 1867 | 59 | 147 | 32 | | |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 8427 | 1072 | 23 | 57 | 47 | 1.67(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 14079 | 1867 | 59 | 147 | 32 | | |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 8427 | 1072 | 23 | 57 | 47 | 1.67(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 14079 | 1867 | 59 | 147 | 32 | | |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 8427 | 1072 | 23 | 57 | 47 | 1.67(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 14079 | 1867 | 59 | 147 | 32 | | |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 8427 | 1072 | 23 | 57 | 47 | 1.67(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 14079 | 1867 | 59 | 147 | 32 | | |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 8427 | 1072 | 23 | 57 | 47 | 1.67(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | RQ |
| 325.8804 | 33:29 | 33:28 | -2 | 1.298 | 2358 | 511 | 59 | 147 | 9 | | |
| 327.8775 | 33:30 | 33:28 | -1 | 1.299 | 2169 | 356 | 23 | 57 | 15 | 1.09(1.32-1.78) | |
| | Empc Correction | | | | 1521 | 329 | 23 | 57 | 14 | | |
| PCB-116 (C85) | | | | | | | | | | | RQ |
| 325.8804 | 33:29 | 33:28 | -2 | 1.298 | 2358 | 511 | 59 | 147 | 9 | | |
| 327.8775 | 33:30 | 33:28 | -1 | 1.299 | 2169 | 356 | 23 | 57 | 15 | 1.09(1.32-1.78) | |
| | Empc Correction | | | | 1521 | 329 | 23 | 57 | 14 | | |
| PCB-117 (C85) | | | | | | | | | | | RQ |
| 325.8804 | 33:29 | 33:28 | -2 | 1.298 | 2358 | 511 | 59 | 147 | 9 | | |
| 327.8775 | 33:30 | 33:28 | -1 | 1.299 | 2169 | 356 | 23 | 57 | 15 | 1.09(1.32-1.78) | |
| | Empc Correction | | | | 1521 | 329 | 23 | 57 | 14 | | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:45 | -5 | 1.305 | 34048 | 6971 | 59 | 147 | 118 | | |
| 327.8775 | 33:40 | 33:45 | -5 | 1.305 | 21560 | 4260 | 23 | 57 | 185 | 1.58(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:45 | -5 | 1.305 | 34048 | 6971 | 59 | 147 | 118 | | |
| 327.8775 | 33:40 | 33:45 | -5 | 1.305 | 21560 | 4260 | 23 | 57 | 185 | 1.58(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 33:59 | | | | | | 59 | 147 | | | |
| 327.8775 | 33:59 | | | | | | 23 | 57 | | | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:23 | | | | | | 59 | 147 | | | |
| 327.8775 | 34:23 | | | | | | 23 | 57 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:51 | 34:50 | -1 | 1.350 | 2202 | 312 | 59 | 147 | 5 | | |
| 327.8775 | 34:52 | 34:50 | 1 | 1.351 | 1321 | 232 | 23 | 57 | 10 | 1.67(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | RQ |
| 325.8804 | 36:00 | 35:57 | 0 | 1.395 | 1286 | 289 | 41 | 102 | 7 | | |
| | Empc Correction | | | | 731 | 252 | 41 | 102 | 6 | | |
| 327.8775 | 36:00 | 35:57 | 0 | 1.395 | 472 | 163 | 31 | 77 | 5 | 2.72(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | RQ |
| 325.8804 | 36:00 | 35:57 | 0 | 1.395 | 1286 | 289 | 41 | 102 | 7 | | |
| | Empc Correction | | | | 731 | 252 | 41 | 102 | 6 | | |
| 327.8775 | 36:00 | 35:57 | 0 | 1.395 | 472 | 163 | 31 | 77 | 5 | 2.72(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | RQM |
| 325.8804 | 36:14 | 36:15 | -1 | 1.404 | 4128 | 946 | 41 | 102 | 23 | | |
| | Empc Correction | | | | 3558 | 860 | 41 | 102 | 21 | | |
| 327.8775 | 36:14 | 36:15 | -1 | 1.404 | 2296 | 555 | 31 | 77 | 18 | 1.80(1.32-1.78) | M |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:22 | | | | | | 41 | 102 | | | |
| 327.8775 | 36:22 | | | | | | 31 | 77 | | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:26 | | | | | | 41 | 102 | | | |
| 327.8775 | 36:26 | | | | | | 31 | 77 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:40 | 36:39 | -1 | 1.001 | 23614 | 4604 | 41 | 102 | 112 | | |
| 327.8775 | 36:40 | 36:39 | -1 | 1.001 | 15376 | 2937 | 31 | 77 | 95 | 1.54(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 36:58 | | | | | | 41 | 102 | | | |
| 327.8775 | 36:58 | | | | | | 31 | 77 | | | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:09 | | | | | | 41 | 102 | | | |
| 327.8775 | 37:09 | | | | | | 31 | 77 | | | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:50 | 37:49 | -1 | 1.001 | 5439 | 954 | 41 | 102 | 23 | | |
| 327.8775 | 37:50 | 37:49 | -1 | 1.001 | 3277 | 572 | 31 | 77 | 18 | 1.66(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:25 | | | | | | 41 | 102 | | | |
| 327.8775 | 39:25 | | | | | | 31 | 77 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:57 | | | | | | 41 | 102 | | | |
| 327.8775 | 40:57 | | | | | | 31 | 77 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:27 | 31:31 | -3 | 0.791 | 181724 | 41537 | 29 | 72 | 1432 | | |
| 373.8788 | 31:27 | 31:31 | -3 | 0.791 | 132605 | 28597 | 16 | 40 | 1787 | 1.37(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:46 | 39:46 | -1 | | 220835 | 48180 | 254 | 635 | 190 | | |
| 373.8788 | 39:46 | 39:46 | -1 | | 174110 | 35420 | 116 | 290 | 305 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:47 | 42:50 | -2 | 1.076 | 223264 | 45531 | 254 | 635 | 179 | | |
| 373.8788 | 42:46 | 42:50 | -3 | 1.076 | 173249 | 34536 | 116 | 290 | 298 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:56 | 43:59 | -2 | 1.105 | 445521 | 61094 | 254 | 635 | 241 | | |
| 373.8788 | 43:56 | 43:59 | -2 | 1.105 | 341708 | 45852 | 116 | 290 | 395 | 1.30(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:56 | 43:59 | -2 | 1.105 | 445521 | 61094 | 254 | 635 | 241 | | |
| 373.8788 | 43:56 | 43:59 | -2 | 1.105 | 341708 | 45852 | 116 | 290 | 395 | 1.30(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:09 | 47:13 | -3 | 1.186 | 216822 | 42212 | 254 | 635 | 166 | | |
| 373.8788 | 47:10 | 47:13 | -2 | 1.186 | 181467 | 35705 | 116 | 290 | 308 | 1.19(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:30 | | | | | | 11 | 27 | | | |
| 361.8385 | 31:30 | | | | | | 11 | 27 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:38 | | | | | | 11 | 27 | | | |
| 361.8385 | 31:38 | | | | | | 11 | 27 | | | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:48 | | | | | | 11 | 27 | | | |
| 361.8385 | 31:48 | | | | | | 11 | 27 | | | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:12 | 32:11 | -1 | 1.023 | 8091 | 1787 | 11 | 27 | 162 | | |
| 361.8385 | 32:12 | 32:11 | -1 | 1.023 | 6308 | 1489 | 11 | 27 | 135 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:29 | | | | | | 11 | 27 | | | |
| 361.8385 | 32:29 | | | | | | 11 | 27 | | | |
| PCB-148 | | | | | | | | | | | Ma |
| 359.8415 | 34:00 | 34:00 | -1 | 1.081 | 641 | 148 | 11 | 27 | 13 | | a |
| 361.8385 | 33:59 | 34:00 | -2 | 1.081 | 582 | 132 | 11 | 27 | 12 | 1.10(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | M |
| 359.8415 | 34:35 | 34:38 | -5 | 1.100 | 13090 | 1717 | 11 | 27 | 156 | | |
| 361.8385 | 34:35 | 34:38 | -5 | 1.100 | 9577 | 1204 | 11 | 27 | 109 | 1.37(1.05-1.43) | M |
| PCB-151 (C135) | | | | | | | | | | | M |
| 359.8415 | 34:35 | 34:38 | -5 | 1.100 | 13090 | 1717 | 11 | 27 | 156 | | |
| 361.8385 | 34:35 | 34:38 | -5 | 1.100 | 9577 | 1204 | 11 | 27 | 109 | 1.37(1.05-1.43) | M |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:53 | 34:51 | 0 | 1.109 | 3465 | 625 | 11 | 27 | 57 | | |
| 361.8385 | 34:52 | 34:51 | -1 | 1.108 | 2890 | 651 | 11 | 27 | 59 | 1.20(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | RQ |
| 359.8415 | 35:09 | 35:07 | -1 | 1.117 | 1326 | 269 | 11 | 27 | 24 | | |
| | Empc Correction | | | | 762 | 181 | 11 | 27 | 16 | | |
| 361.8385 | 35:10 | 35:07 | 0 | 1.118 | 615 | 146 | 11 | 27 | 13 | 2.16(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | Ma |
| 359.8415 | 35:32 | 35:32 | -1 | 1.129 | 43470 | 8771 | 19 | 47 | 462 | | a |
| 361.8385 | 35:32 | 35:32 | -1 | 1.129 | 34157 | 6862 | 17 | 42 | 404 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-149 (C147) | | | | | | | | | | | Ma |
| 359.8415 | 35:32 | 35:32 | -1 | 1.129 | 43470 | 8771 | 19 | 47 | 462 | | a |
| 361.8385 | 35:32 | 35:32 | -1 | 1.129 | 34157 | 6862 | 17 | 42 | 404 | 1.27(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:44 | 35:47 | -6 | 1.136 | 1406 | 335 | 19 | 47 | 18 | | |
| 361.8385 | 35:43 | 35:47 | -8 | 1.135 | 1114 | 228 | 17 | 42 | 13 | 1.26(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:44 | 35:47 | -6 | 1.136 | 1406 | 335 | 19 | 47 | 18 | | |
| 361.8385 | 35:43 | 35:47 | -8 | 1.135 | 1114 | 228 | 17 | 42 | 13 | 1.26(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:09 | 36:05 | 1 | 1.149 | 1181 | 285 | 19 | 47 | 15 | | |
| 361.8385 | 36:08 | 36:05 | -1 | 1.148 | 1033 | 246 | 17 | 42 | 14 | 1.14(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:09 | 36:05 | 1 | 1.149 | 1181 | 285 | 19 | 47 | 15 | | |
| 361.8385 | 36:08 | 36:05 | -1 | 1.148 | 1033 | 246 | 17 | 42 | 14 | 1.14(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:17 | | | | | | 19 | 47 | | | |
| 361.8385 | 36:17 | | | | | | 17 | 42 | | | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:28 | | | | | | 19 | 47 | | | |
| 361.8385 | 36:28 | | | | | | 17 | 42 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:46 | 36:46 | -1 | 1.169 | 9996 | 2142 | 19 | 47 | 113 | | |
| 361.8385 | 36:47 | 36:46 | -1 | 1.169 | 7001 | 1504 | 17 | 42 | 88 | 1.43(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | RQ |
| 359.8415 | 37:18 | 37:19 | -1 | 1.185 | 2161 | 547 | 19 | 47 | 29 | | |
| | Empc Correction | | | | 1433 | 334 | 19 | 47 | 18 | | |
| 361.8385 | 37:18 | 37:19 | 0 | 1.186 | 1156 | 270 | 17 | 42 | 16 | 1.87(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:41 | | | | | | 19 | 47 | | | |
| 361.8385 | 37:41 | | | | | | 17 | 42 | | | |
| PCB-146 | | | | | | | | | | | M |
| 359.8415 | 37:56 | 37:57 | -1 | 0.887 | 14521 | 3049 | 19 | 47 | 160 | | |
| 361.8385 | 37:57 | 37:57 | -1 | 0.887 | 12607 | 2361 | 17 | 42 | 139 | 1.15(1.05-1.43) | M |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:05 | | | | | | 19 | 47 | | | |
| 361.8385 | 38:05 | | | | | | 17 | 42 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:33 | 38:34 | -3 | 0.901 | 50285 | 9913 | 19 | 47 | 522 | | |
| 361.8385 | 38:33 | 38:34 | -3 | 0.901 | 41268 | 8583 | 17 | 42 | 505 | 1.22(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:33 | 38:34 | -3 | 0.901 | 50285 | 9913 | 19 | 47 | 522 | | |
| 361.8385 | 38:33 | 38:34 | -3 | 0.901 | 41268 | 8583 | 17 | 42 | 505 | 1.22(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:42 | 0 | 0.906 | 5017 | 987 | 19 | 47 | 52 | | |
| 361.8385 | 38:45 | 38:42 | 0 | 0.906 | 4027 | 723 | 17 | 42 | 43 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-130 | | | | | | | | | | | RQ |
| 359.8415 | 39:09 | 39:07 | -1 | 0.915 | 2163 | 505 | 19 | 47 | 27 | | |
| | Empc Correction | | | | 1556 | 265 | 19 | 47 | 14 | | |
| 361.8385 | 39:11 | 39:07 | 2 | 0.916 | 1255 | 214 | 17 | 42 | 13 | 1.72(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:21 | 39:20 | -1 | 0.920 | 927 | 307 | 19 | 47 | 16 | | |
| 361.8385 | 39:21 | 39:20 | -1 | 0.920 | 756 | 226 | 17 | 42 | 13 | 1.23(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:29 | 39:27 | -1 | 0.923 | 3909 | 778 | 19 | 47 | 41 | | |
| 361.8385 | 39:30 | 39:27 | 0 | 0.923 | 3220 | 609 | 17 | 42 | 36 | 1.21(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | -1 | 0.930 | 35703 | 6586 | 19 | 47 | 347 | | |
| 361.8385 | 39:48 | 39:47 | -1 | 0.930 | 26780 | 5325 | 17 | 42 | 313 | 1.33(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | -1 | 0.930 | 35703 | 6586 | 19 | 47 | 347 | | |
| 361.8385 | 39:48 | 39:47 | -1 | 0.930 | 26780 | 5325 | 17 | 42 | 313 | 1.33(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | -1 | 0.930 | 35703 | 6586 | 19 | 47 | 347 | | |
| 361.8385 | 39:48 | 39:47 | -1 | 0.930 | 26780 | 5325 | 17 | 42 | 313 | 1.33(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | -1 | 0.930 | 35703 | 6586 | 19 | 47 | 347 | | |
| 361.8385 | 39:48 | 39:47 | -1 | 0.930 | 26780 | 5325 | 17 | 42 | 313 | 1.33(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:12 | 40:09 | 0 | 0.939 | 3742 | 774 | 19 | 47 | 41 | | |
| 361.8385 | 40:10 | 40:09 | -1 | 0.939 | 3051 | 656 | 17 | 42 | 39 | 1.23(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:03 | 41:01 | 1 | 0.960 | 4850 | 964 | 19 | 47 | 51 | | |
| 361.8385 | 41:03 | 41:01 | 0 | 0.959 | 3735 | 561 | 17 | 42 | 33 | 1.30(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:03 | 41:01 | 1 | 0.960 | 4850 | 964 | 19 | 47 | 51 | | |
| 361.8385 | 41:03 | 41:01 | 0 | 0.959 | 3735 | 561 | 17 | 42 | 33 | 1.30(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | RQM |
| 359.8415 | 42:01 | 42:01 | -2 | 0.982 | 972 | 261 | 19 | 47 | 14 | | |
| 361.8385 | 42:00 | 42:01 | -3 | 0.982 | 1009 | 296 | 17 | 42 | 17 | 0.96(1.05-1.43) | M |
| | Empc Correction | | | | 783 | 210 | 17 | 42 | 12 | | |
| PCB-162 | | | | | | | | | | | RQ |
| 359.8415 | 42:18 | 42:22 | -2 | 0.989 | 478 | 123 | 19 | 47 | 6 | | |
| | Empc Correction | | | | 388 | 125 | 19 | 47 | 7 | | |
| 361.8385 | 42:20 | 42:22 | 0 | 0.990 | 313 | 101 | 17 | 42 | 6 | 1.53(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | RQ |
| 359.8415 | 42:48 | 42:51 | -1 | 1.000 | 1341 | 352 | 19 | 47 | 19 | | |
| 361.8385 | 42:49 | 42:51 | 0 | 1.001 | 1820 | 324 | 17 | 42 | 19 | 0.74(1.05-1.43) | |
| | Empc Correction | | | | 1081 | 283 | 17 | 42 | 17 | | |
| PCB-156 | | | | | | | | | | | RQ |
| 359.8415 | 43:56 | 43:55 | -1 | 1.000 | 3863 | 677 | 19 | 47 | 36 | | |
| 361.8385 | 43:56 | 43:55 | -1 | 1.000 | 3724 | 640 | 17 | 42 | 38 | 1.04(1.05-1.43) | |
| | Empc Correction | | | | 3115 | 545 | 17 | 42 | 32 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157 (C156) | | | | | | | | | | | RQ |
| 359.8415 | 43:56 | 43:55 | -1 | 1.000 | 3863 | 677 | 19 | 47 | 36 | | |
| 361.8385 | 43:56 | 43:55 | -1 | 1.000 | 3724 | 640 | 17 | 42 | 38 | 1.04(1.05-1.43) | |
| | Empc Correction | | | | 3115 | 545 | 17 | 42 | 32 | | |
| PCB-169 | | | | | | | | | | | Ma |
| 359.8415 | 47:11 | 47:11 | -1 | 1.001 | 634 | 217 | 19 | 47 | 11 | | M |
| 361.8385 | 47:10 | 47:11 | -1 | 1.000 | 477 | 131 | 17 | 42 | 8 | 1.33(1.05-1.43) | M |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:10 | 37:14 | -3 | 0.820 | 190946 | 39512 | 63 | 157 | 627 | | |
| 407.8398 | 37:11 | 37:14 | -3 | 0.821 | 165755 | 33157 | 5 | 12 | 6631 | 1.15(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:13 | 40:15 | -1 | 0.887 | 142495 | 29046 | 63 | 157 | 461 | | |
| 407.8398 | 40:13 | 40:15 | -1 | 0.887 | 125311 | 26166 | 5 | 12 | 5233 | 1.14(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:19 | 45:21 | -1 | | 168595 | 34151 | 63 | 157 | 542 | | |
| 407.8398 | 45:19 | 45:21 | -1 | | 162398 | 33127 | 5 | 12 | 6625 | 1.04(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:35 | 46:37 | -2 | 1.028 | 118032 | 25377 | 63 | 157 | 403 | | |
| 407.8398 | 46:35 | 46:37 | -2 | 1.028 | 114074 | 22628 | 5 | 12 | 4526 | 1.03(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:42 | 49:44 | -2 | 1.097 | 214936 | 37702 | 506 | 1265 | 75 | | |
| 407.8398 | 49:42 | 49:44 | -2 | 1.097 | 216809 | 41649 | 420 | 1050 | 99 | 0.99(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:14 | | | | | | 11 | 27 | | | |
| 395.7995 | 37:14 | | | | | | 12 | 30 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:32 | 37:30 | -1 | 1.010 | 7341 | 1328 | 11 | 27 | 121 | | |
| 395.7995 | 37:32 | 37:30 | -1 | 1.009 | 6321 | 1255 | 12 | 30 | 105 | 1.16(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | RQMa |
| 393.8025 | 38:02 | 38:04 | -3 | 1.023 | 210 | 46 | 11 | 27 | 4 | | a |
| | Empc Correction | | | | 140 | 49 | 11 | 27 | 4 | | |
| 395.7995 | 38:07 | 38:04 | 2 | 1.025 | 134 | 47 | 12 | 30 | 4 | 1.57(0.89-1.21) | M |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:23 | 38:24 | -3 | 1.032 | 1833 | 269 | 11 | 27 | 24 | | |
| 395.7995 | 38:26 | 38:24 | 0 | 1.034 | 2035 | 368 | 12 | 30 | 31 | 0.90(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:52 | | | | | | 11 | 27 | | | |
| 395.7995 | 38:52 | | | | | | 12 | 30 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:16 | 40:13 | -1 | 1.083 | 2680 | 564 | 11 | 27 | 51 | | |
| 395.7995 | 40:16 | 40:13 | -1 | 1.083 | 2265 | 606 | 12 | 30 | 51 | 1.18(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:52 | 40:55 | -1 | 1.100 | 853 | 163 | 11 | 27 | 15 | | |
| 395.7995 | 40:54 | 40:55 | 0 | 1.100 | 788 | 170 | 12 | 30 | 14 | 1.08(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-187 | | | | | | | | | | | a |
| 393.8025 | 41:10 | 41:11 | -1 | 1.107 | 14819 | 2816 | 11 | 27 | 256 | | a |
| 395.7995 | 41:11 | 41:11 | 0 | 1.108 | 15440 | 3104 | 12 | 30 | 259 | 0.96(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:20 | 41:21 | -3 | 1.112 | 624 | 148 | 11 | 27 | 13 | | |
| 395.7995 | 41:21 | 41:21 | -2 | 1.112 | 515 | 136 | 12 | 30 | 11 | 1.21(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | a |
| 393.8025 | 41:47 | 41:47 | 0 | 1.124 | 6486 | 1148 | 11 | 27 | 104 | | a |
| 395.7995 | 41:47 | 41:47 | -1 | 1.124 | 6729 | 1190 | 12 | 30 | 99 | 0.96(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | a |
| 393.8025 | 41:47 | 41:47 | 0 | 1.124 | 6486 | 1148 | 11 | 27 | 104 | | a |
| 395.7995 | 41:47 | 41:47 | -1 | 1.124 | 6729 | 1190 | 12 | 30 | 99 | 0.96(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | a |
| 393.8025 | 42:01 | 42:01 | -1 | 1.130 | 10032 | 1986 | 11 | 27 | 181 | | a |
| 395.7995 | 42:01 | 42:01 | -1 | 1.130 | 8915 | 1787 | 12 | 30 | 149 | 1.13(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | a |
| 393.8025 | 42:27 | 42:28 | 0 | 1.142 | 6559 | 1294 | 11 | 27 | 118 | | a |
| 395.7995 | 42:27 | 42:28 | -1 | 1.142 | 7029 | 1364 | 12 | 30 | 114 | 0.93(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | RQ |
| 393.8025 | 42:46 | 42:52 | -5 | 1.151 | 387 | 113 | 11 | 27 | 10 | | |
| 395.7995 | 42:44 | 42:52 | -7 | 1.150 | 511 | 83 | 12 | 30 | 7 | 0.76(0.89-1.21) | |
| | Empc Correction | | | | 368 | 107 | 12 | 30 | 9 | | |
| PCB-171 | | | | | | | | | | | RQ |
| 393.8025 | 43:04 | 43:00 | 0 | 1.159 | 3299 | 718 | 11 | 27 | 65 | | |
| | Empc Correction | | | | 2677 | 436 | 11 | 27 | 40 | | |
| 395.7995 | 43:03 | 43:00 | -1 | 1.158 | 2550 | 416 | 12 | 30 | 35 | 1.29(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | RQ |
| 393.8025 | 43:04 | 43:00 | 0 | 1.159 | 3299 | 718 | 11 | 27 | 65 | | |
| | Empc Correction | | | | 2677 | 436 | 11 | 27 | 40 | | |
| 395.7995 | 43:03 | 43:00 | -1 | 1.158 | 2550 | 416 | 12 | 30 | 35 | 1.29(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:42 | 44:41 | -1 | 0.899 | 2182 | 462 | 11 | 27 | 42 | | |
| 395.7995 | 44:42 | 44:41 | -1 | 0.900 | 2197 | 359 | 12 | 30 | 30 | 0.99(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | RQ |
| 393.8025 | 44:58 | 44:59 | -1 | 0.905 | 529 | 162 | 11 | 27 | 15 | | |
| | Empc Correction | | | | 260 | 72 | 11 | 27 | 7 | | |
| 395.7995 | 44:58 | 44:59 | -1 | 0.905 | 248 | 69 | 12 | 30 | 6 | 2.13(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:21 | 45:22 | 2 | 0.912 | 23733 | 4476 | 11 | 27 | 407 | | a |
| 395.7995 | 45:22 | 45:22 | 2 | 0.913 | 23067 | 3893 | 12 | 30 | 324 | 1.03(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:21 | 45:22 | 2 | 0.912 | 23733 | 4476 | 11 | 27 | 407 | | a |
| 395.7995 | 45:22 | 45:22 | 2 | 0.913 | 23067 | 3893 | 12 | 30 | 324 | 1.03(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | M |
| 393.8025 | 45:44 | 45:41 | 1 | 0.920 | 1127 | 199 | 11 | 27 | 18 | | M |
| 395.7995 | 45:44 | 45:41 | 1 | 0.920 | 945 | 229 | 12 | 30 | 19 | 1.19(0.89-1.21) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:36 | 46:36 | -1 | 0.938 | 8729 | 1783 | 11 | 27 | 162 | | |
| 395.7995 | 46:35 | 46:36 | -1 | 0.937 | 7822 | 1586 | 12 | 30 | 132 | 1.12(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:07 | 47:07 | -1 | 0.948 | 3050 | 667 | 11 | 27 | 61 | | |
| 395.7995 | 47:08 | 47:07 | 0 | 0.949 | 2627 | 439 | 12 | 30 | 37 | 1.16(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:44 | 49:44 | 0 | 1.001 | 1688 | 391 | 35 | 87 | 11 | | |
| 395.7995 | 49:42 | 49:44 | -1 | 1.000 | 1471 | 278 | 15 | 37 | 19 | 1.15(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:33 | 42:37 | -3 | 0.821 | 149511 | 30261 | 3 | 7 | 10087 | | |
| 441.8008 | 42:33 | 42:37 | -3 | 0.821 | 165902 | 32353 | 9 | 22 | 3595 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:48 | 51:49 | -1 | | 192390 | 33682 | 282 | 705 | 119 | | |
| 441.8008 | 51:48 | 51:49 | -1 | | 204564 | 38424 | 264 | 660 | 146 | 0.94(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:17 | 52:21 | -3 | 1.009 | 189326 | 36665 | 282 | 705 | 130 | | |
| 441.8008 | 52:17 | 52:21 | -3 | 1.009 | 212077 | 39536 | 264 | 660 | 150 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | RQ |
| 427.7635 | 42:35 | 42:31 | 0 | 1.001 | 748 | 219 | 9 | 22 | 24 | | |
| 429.7606 | 42:34 | 42:31 | -1 | 1.001 | 1557 | 275 | 11 | 27 | 25 | 0.48(0.76-1.02) | |
| | Empc Correction | | | | 840 | 246 | 11 | 27 | 22 | | |
| PCB-201 | | | | | | | | | | | RQ |
| 427.7635 | 43:32 | 43:27 | 1 | 1.023 | 569 | 211 | 9 | 22 | 23 | | |
| 429.7606 | 43:32 | 43:27 | 1 | 1.023 | 932 | 207 | 11 | 27 | 19 | 0.61(0.76-1.02) | |
| | Empc Correction | | | | 639 | 237 | 11 | 27 | 22 | | |
| PCB-204 | | | | | | | | | | | RQ |
| 427.7635 | 44:11 | 44:10 | -1 | 1.038 | 235 | 79 | 9 | 22 | 9 | | |
| | Empc Correction | | | | 190 | 46 | 9 | 22 | 5 | | |
| 429.7606 | 44:09 | 44:10 | -3 | 1.037 | 214 | 52 | 11 | 27 | 5 | 1.10(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | RQa |
| 427.7635 | 44:25 | 44:25 | 0 | 1.044 | 482 | 128 | 9 | 22 | 14 | | a |
| | Empc Correction | | | | 366 | 135 | 9 | 22 | 15 | | |
| 429.7606 | 44:24 | 44:25 | -1 | 1.043 | 412 | 152 | 11 | 27 | 14 | 1.17(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | RQ |
| 427.7635 | 44:30 | 44:32 | -1 | 1.046 | 695 | 151 | 9 | 22 | 17 | | |
| 429.7606 | 44:31 | 44:32 | -1 | 1.046 | 1352 | 223 | 11 | 27 | 20 | 0.51(0.76-1.02) | |
| | Empc Correction | | | | 780 | 169 | 11 | 27 | 15 | | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:18 | 47:16 | -1 | 1.112 | 4480 | 810 | 9 | 22 | 90 | | |
| 429.7606 | 47:19 | 47:16 | 1 | 1.112 | 5447 | 944 | 11 | 27 | 86 | 0.82(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:18 | 47:16 | -1 | 1.112 | 4480 | 810 | 9 | 22 | 90 | | |
| 429.7606 | 47:19 | 47:16 | 1 | 1.112 | 5447 | 944 | 11 | 27 | 86 | 0.82(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | Ma |
| 427.7635 | 47:59 | 47:59 | 0 | 0.918 | 2401 | 489 | 9 | 22 | 54 | | M |
| 429.7606 | 47:58 | 47:59 | -1 | 0.917 | 2882 | 637 | 11 | 27 | 58 | 0.83(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-203 | | | | | | | | | | | M |
| 427.7635 | 48:10 | 48:10 | -1 | 0.921 | 3033 | 608 | 9 | 22 | 68 | | M |
| 429.7606 | 48:10 | 48:10 | -1 | 0.921 | 3722 | 738 | 11 | 27 | 67 | 0.81(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:29 | 49:30 | -1 | 0.946 | 2514 | 514 | 19 | 47 | 27 | | |
| 429.7606 | 49:29 | 49:30 | 0 | 0.947 | 3243 | 741 | 11 | 27 | 67 | 0.78(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:50 | 51:47 | -1 | 0.991 | 6255 | 1151 | 19 | 47 | 61 | | |
| 429.7606 | 51:50 | 51:47 | -1 | 0.991 | 6695 | 1200 | 11 | 27 | 109 | 0.93(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | RQ |
| 427.7635 | 52:17 | 52:15 | -2 | 1.000 | 954 | 207 | 19 | 47 | 11 | | |
| 429.7606 | 52:18 | 52:15 | -1 | 1.000 | 1314 | 360 | 11 | 27 | 33 | 0.73(0.76-1.02) | |
| | Empc Correction | | | | 1071 | 232 | 11 | 27 | 21 | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:14 | 49:18 | -2 | 0.950 | 156935 | 29546 | 193 | 482 | 153 | | |
| 475.7619 | 49:13 | 49:18 | -3 | 0.950 | 211937 | 40880 | 400 | 1000 | 102 | 0.74(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:02 | 54:06 | -3 | 1.043 | 125877 | 24573 | 193 | 482 | 127 | | |
| 475.7619 | 54:02 | 54:06 | -3 | 1.043 | 149409 | 28418 | 400 | 1000 | 71 | 0.84(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:13 | | | | | | 20 | 50 | | | |
| 463.7216 | 49:13 | | | | | | 72 | 180 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:09 | | | | | | 20 | 50 | | | |
| 463.7216 | 50:09 | | | | | | 72 | 180 | | | |
| PCB-206 | | | | | | | | | | | M |
| 461.7246 | 54:04 | 54:03 | -1 | 1.000 | 3091 | 597 | 20 | 50 | 30 | | M |
| 463.7216 | 54:04 | 54:03 | 0 | 1.001 | 4766 | 912 | 72 | 180 | 13 | 0.65(0.65-0.89) | M |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:40 | 55:45 | -3 | 1.075 | 127538 | 21468 | 54 | 135 | 398 | | |
| 509.7229 | 55:40 | 55:45 | -3 | 1.075 | 184137 | 31384 | 34 | 85 | 923 | 0.69(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:42 | 55:40 | -1 | 1.000 | 3234 | 639 | 11 | 27 | 58 | | |
| 497.6826 | 55:42 | 55:40 | -1 | 1.000 | 4825 | 863 | 11 | 27 | 78 | 0.67(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

U - Marked Undetected

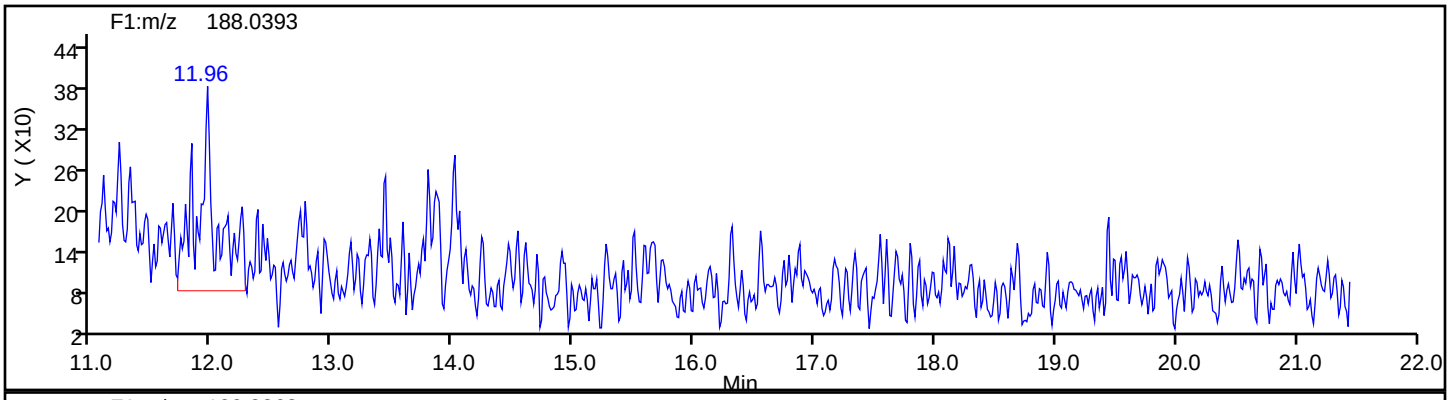
a - User Assigned ID

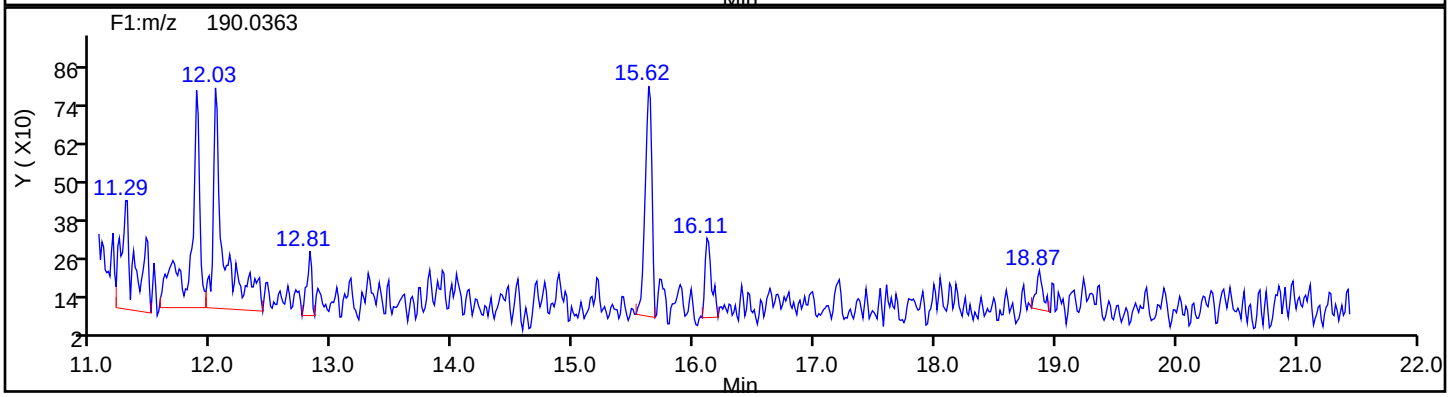
Report Date: 04-Oct-2019 14:05:43 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

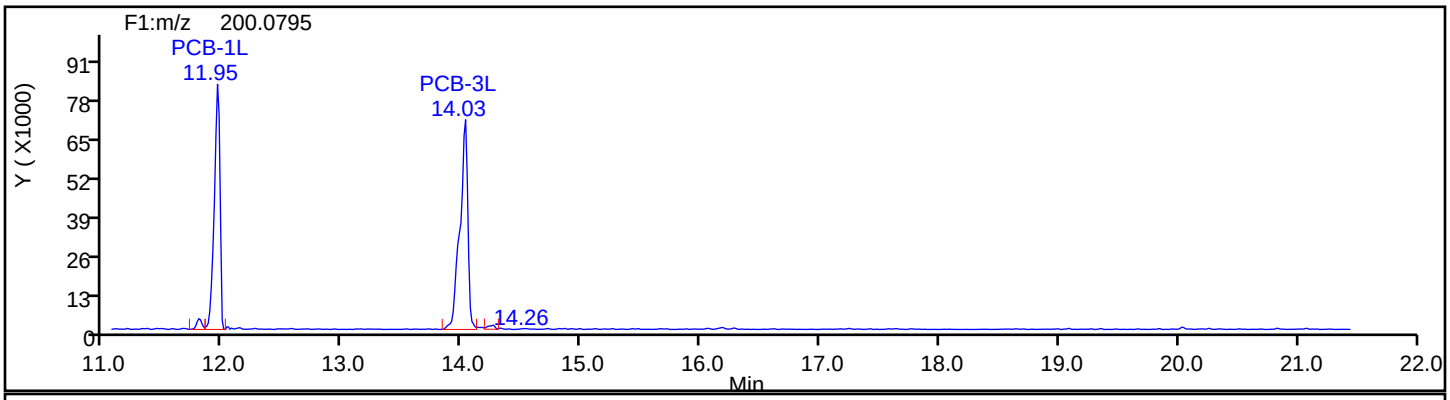
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

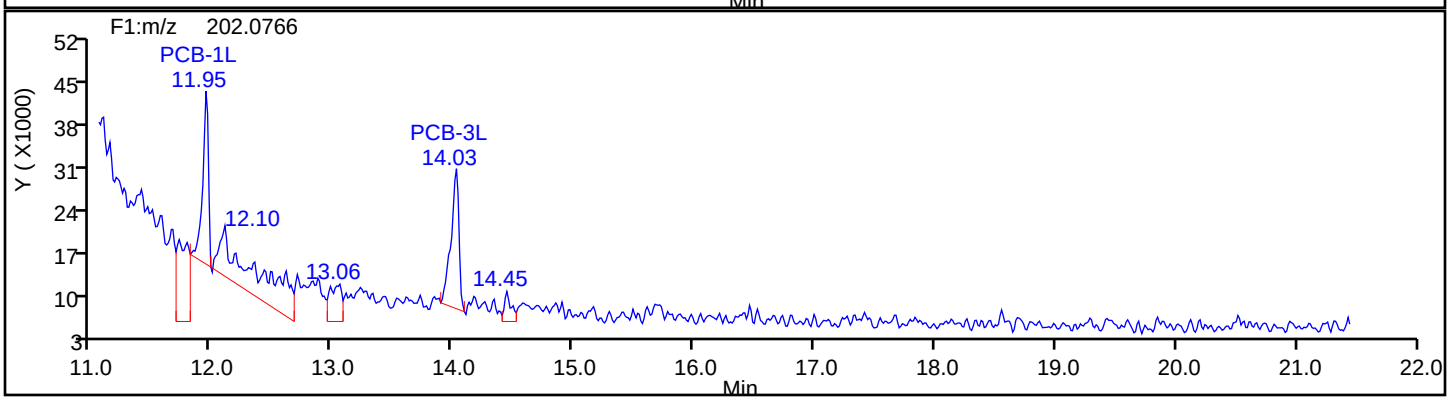
MoPCB F1




MoPCB F1 Standards

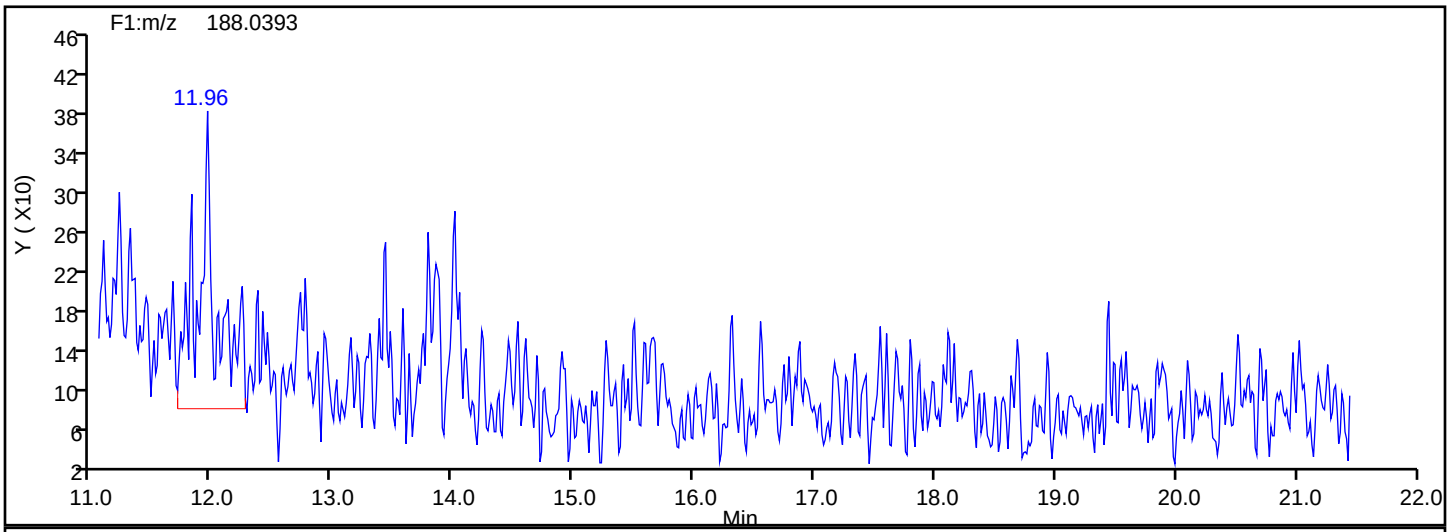


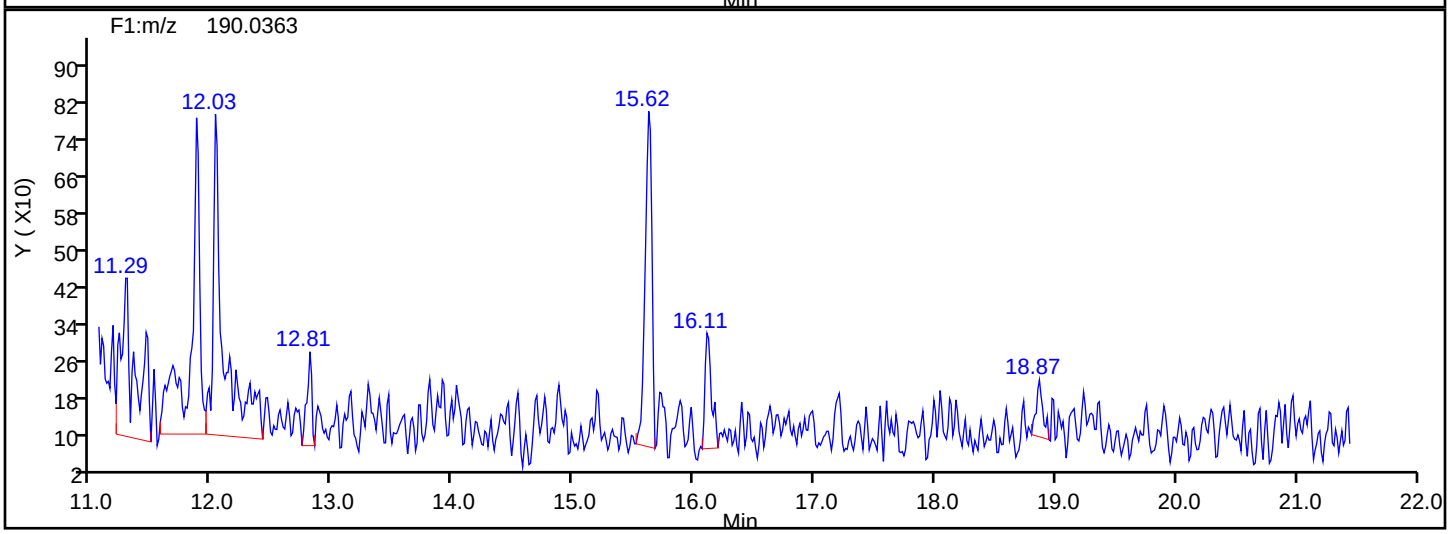



Eurofins TestAmerica, Knoxville

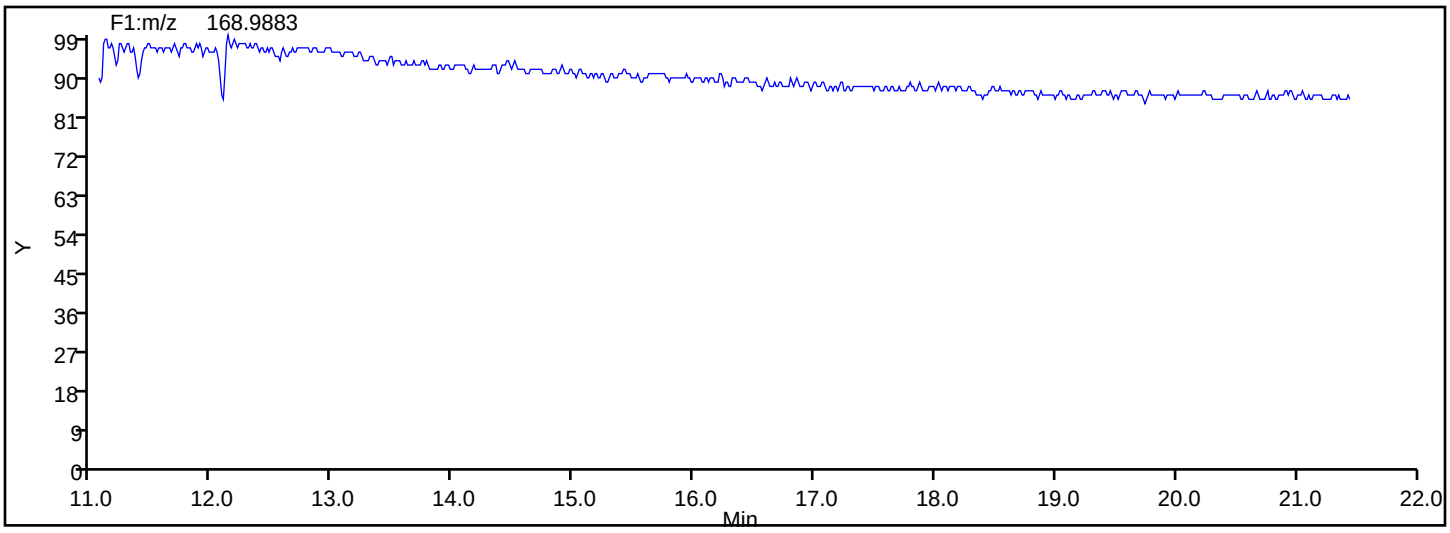
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 3

Processing Integration Results

| | |
|---|---|
| RT: | 11.79 |
| Area: | 98205 |
| Amount: | 2.898019 |
| Amount Units: | pg/ul |

Manual Integration Results

| | |
|---|---|
| RT: | 11.95 |
| Area: | 370856 |
| Amount: | 10.943921 |
| Amount Units: | pg/ul |

Reviewer: layk, 04-Oct-2019 09:30:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

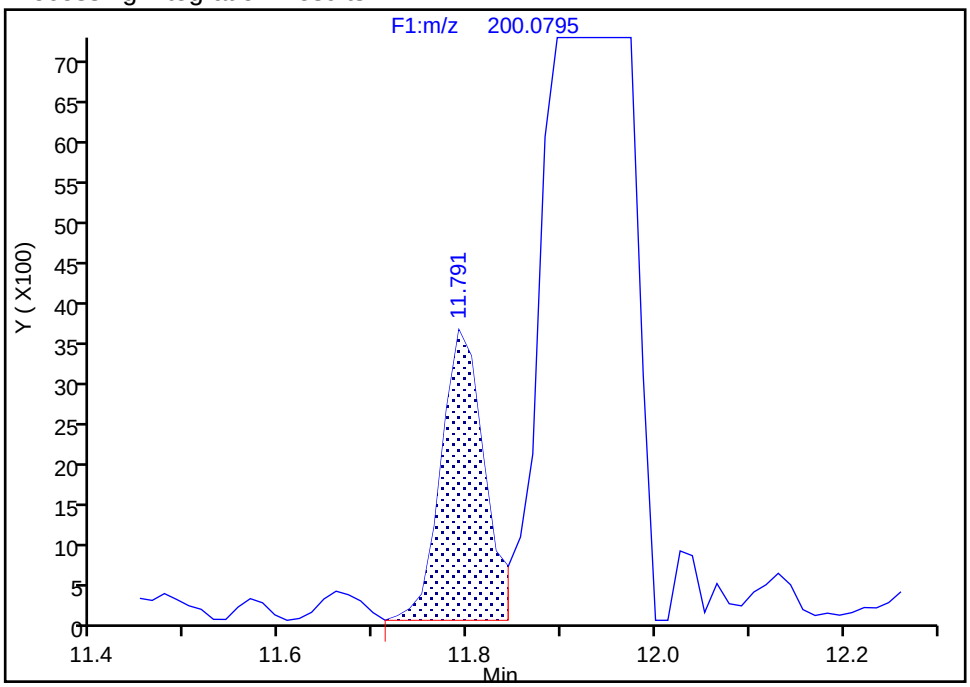
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

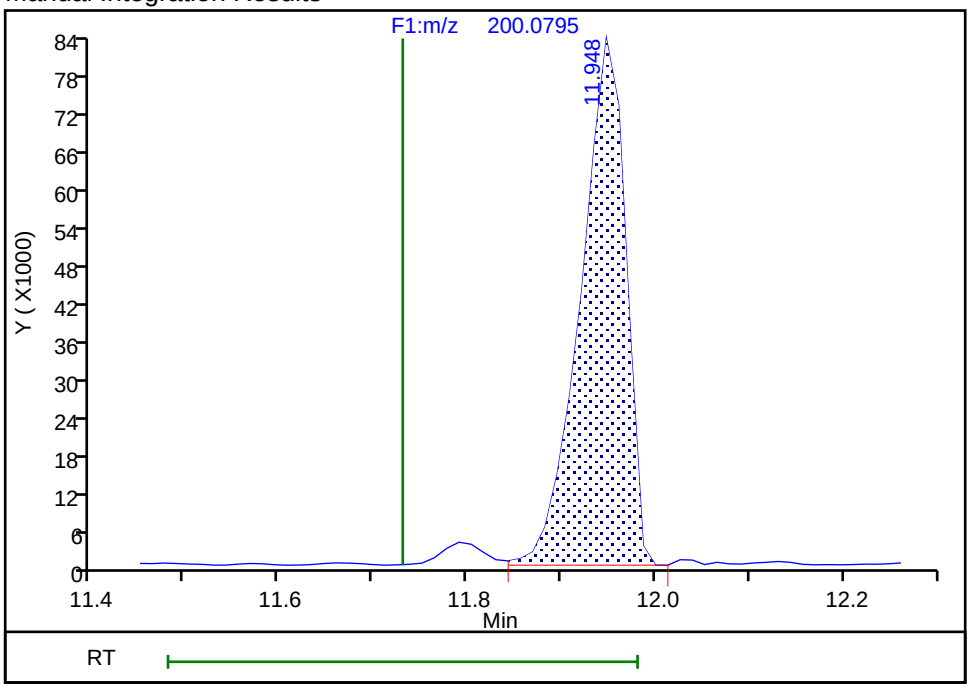
Processing Integration Results

RT: 11.79
Area: 11387
Amount: 2.898019
Amount Units: pg/ul




Manual Integration Results

RT: 11.95
Area: 277236
Amount: 10.943921
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:30:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

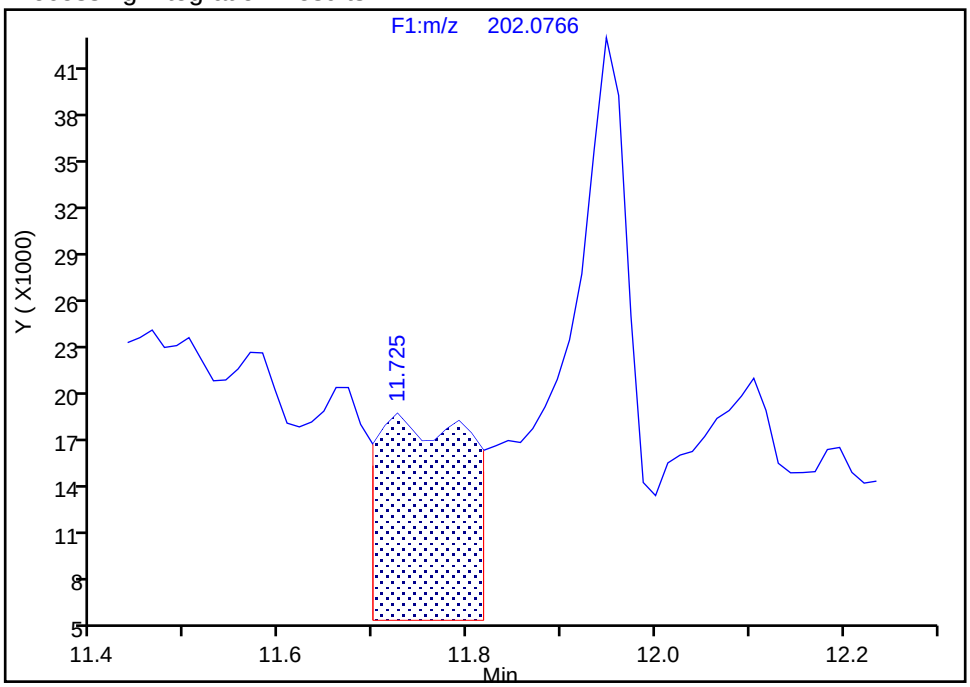
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

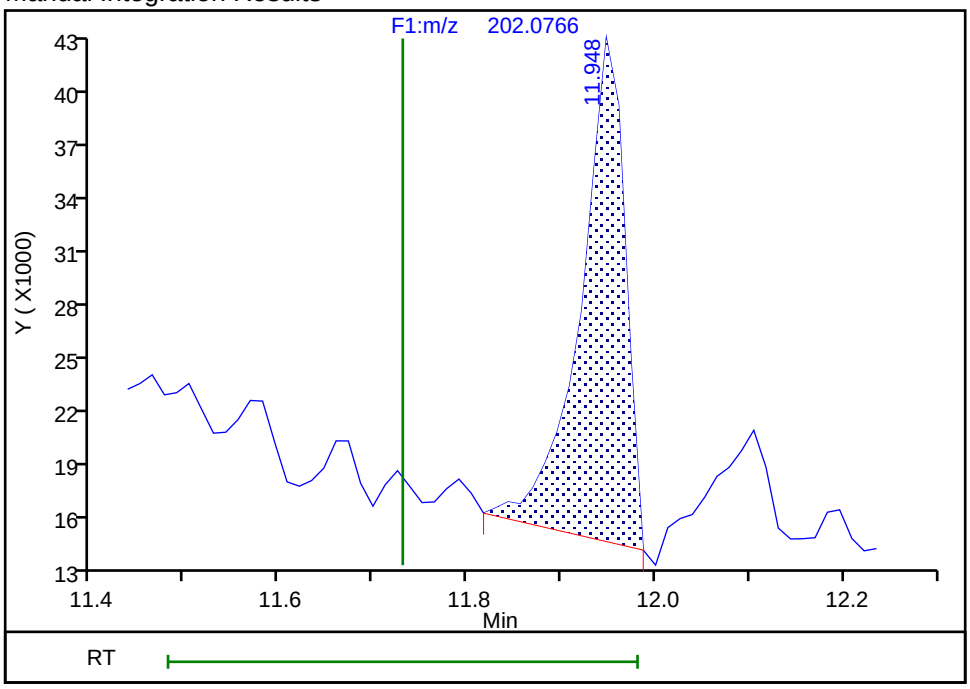
Processing Integration Results

RT: 11.73
Area: 86818
Amount: 2.898019
Amount Units: pg/ul




Manual Integration Results

RT: 11.95
Area: 93620
Amount: 10.943921
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:04:11
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

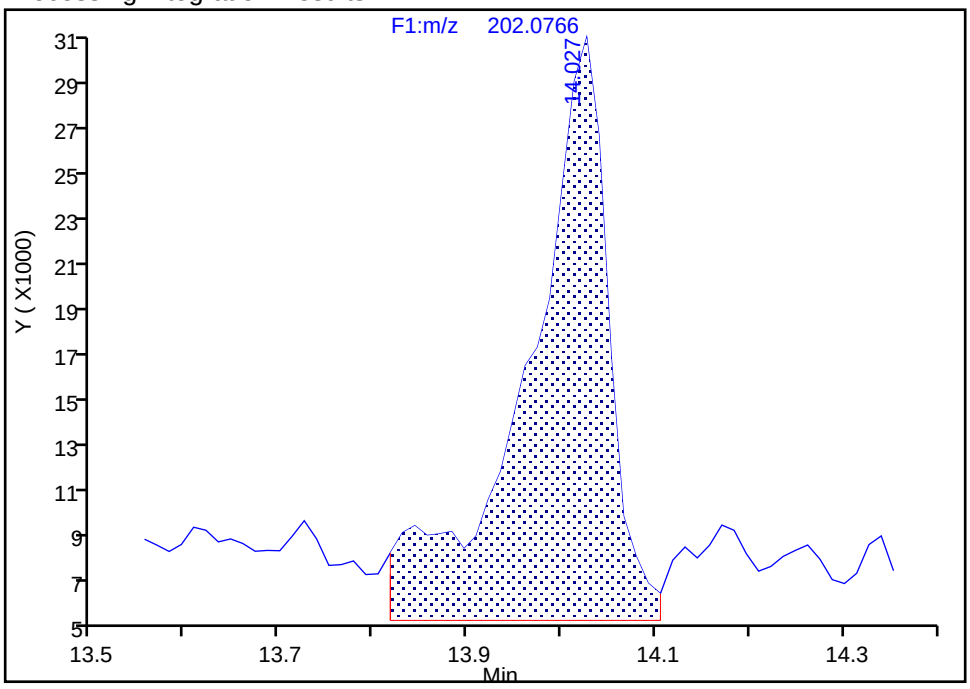
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 2

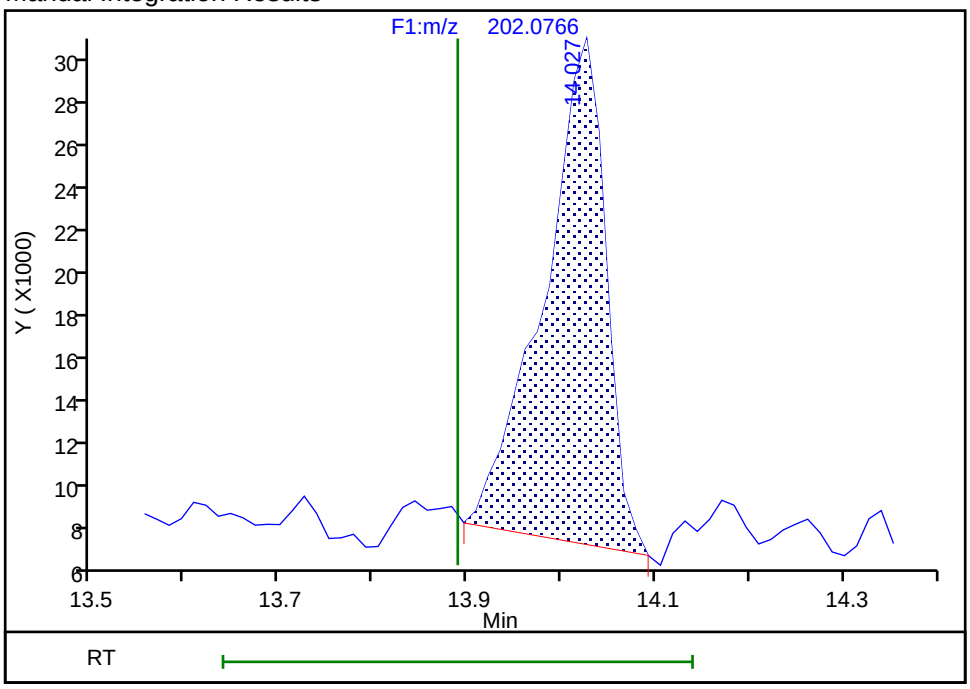
Processing Integration Results

RT: 14.03
Area: 150861
Amount: 13.682702
Amount Units: pg/ul




Manual Integration Results

RT: 14.03
Area: 105042
Amount: 12.377761
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:04:19

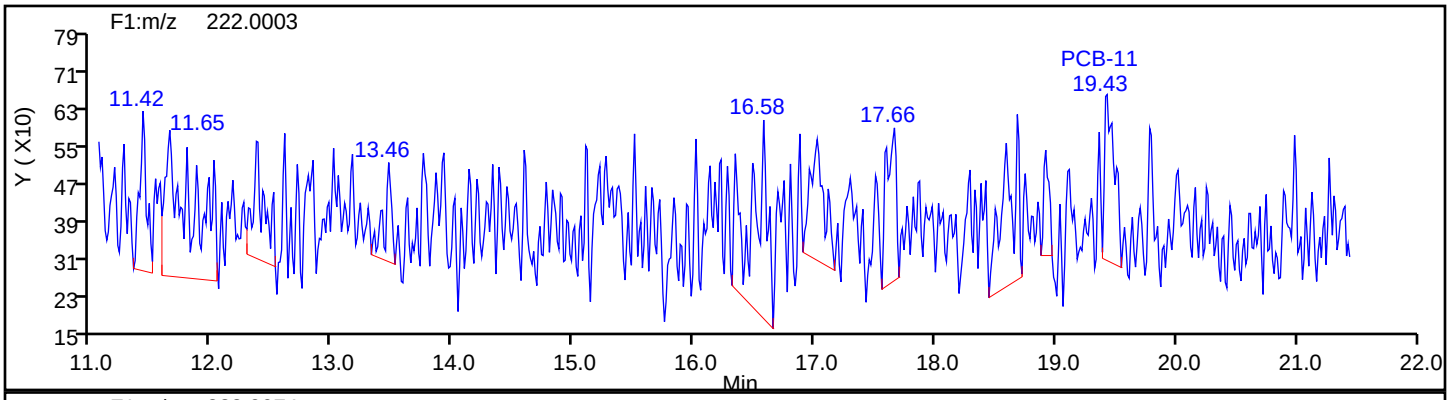
Audit Action: Manually Integrated Audit Reason: Baseline

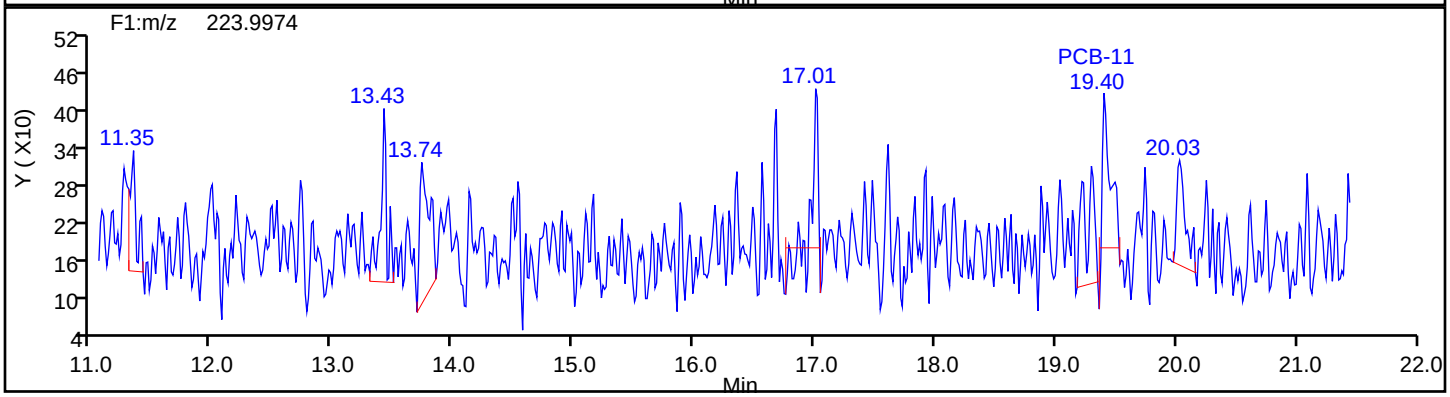
Report Date: 04-Oct-2019 14:05:43 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

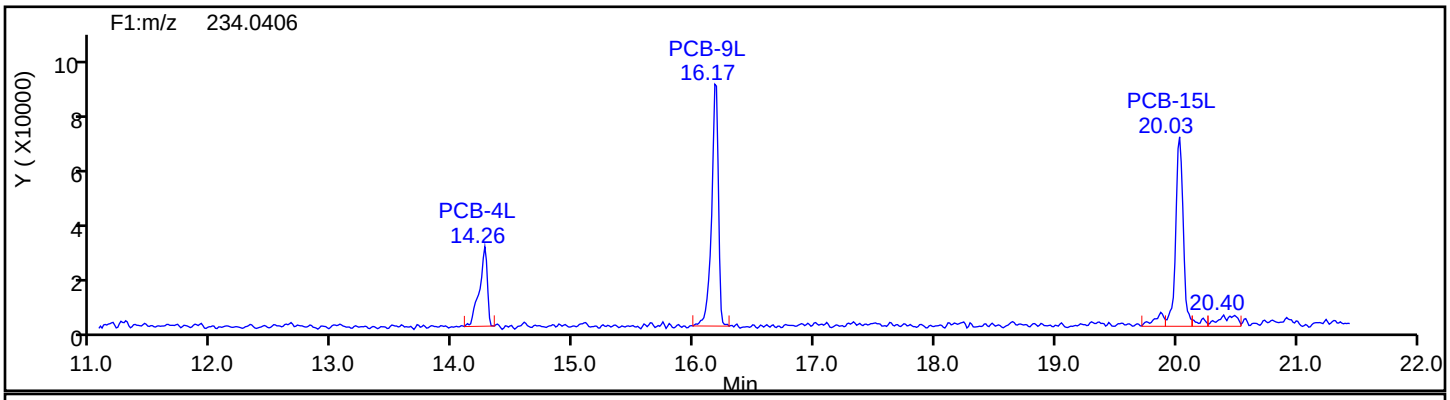
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

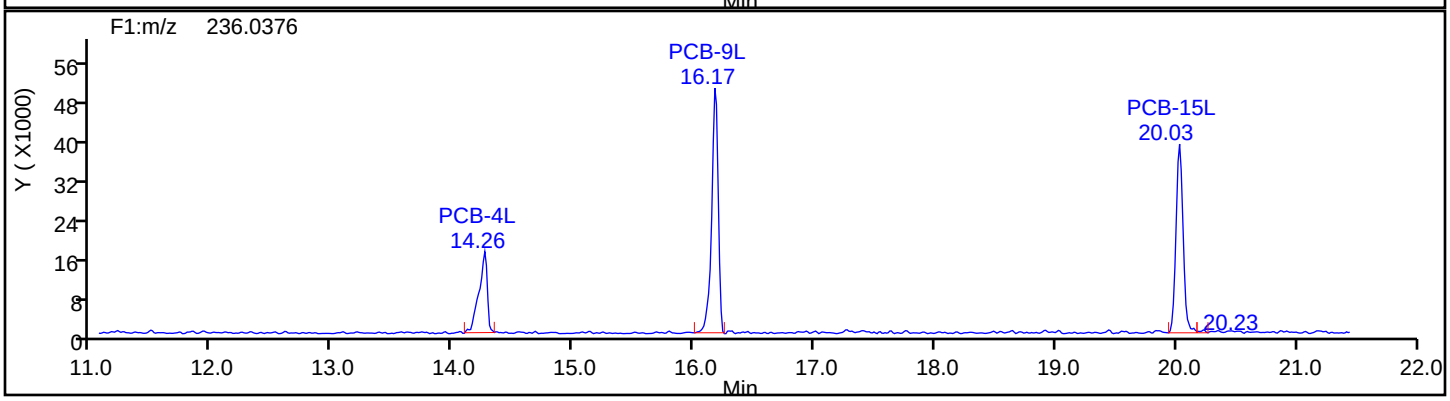
DiPCB F1




DiPCB F1 Standards

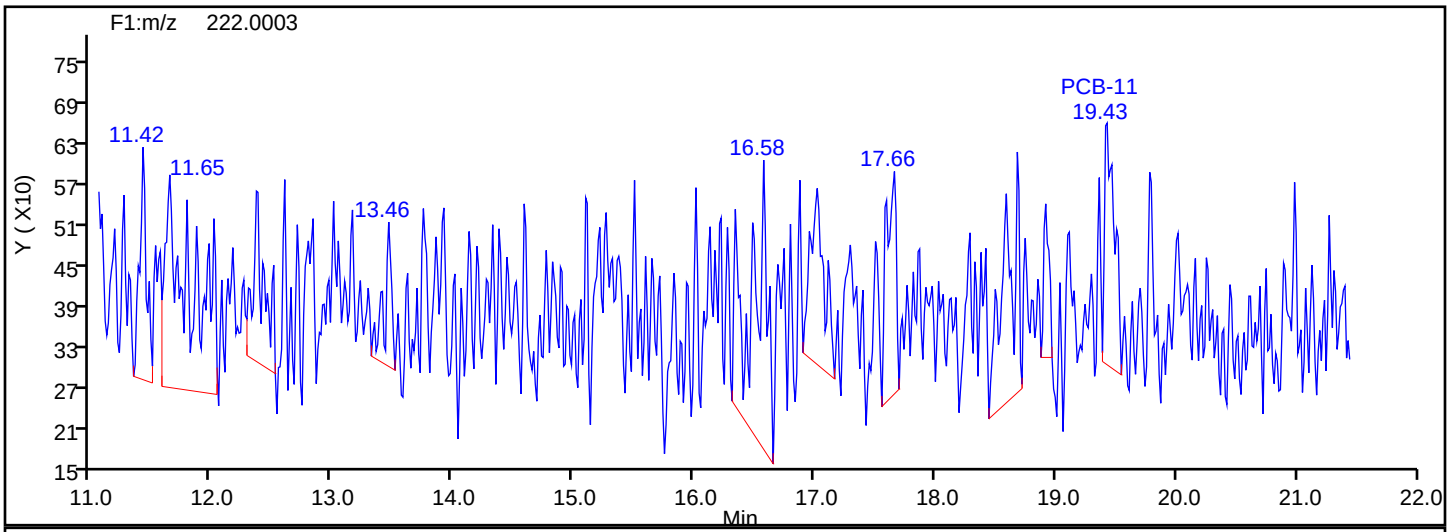


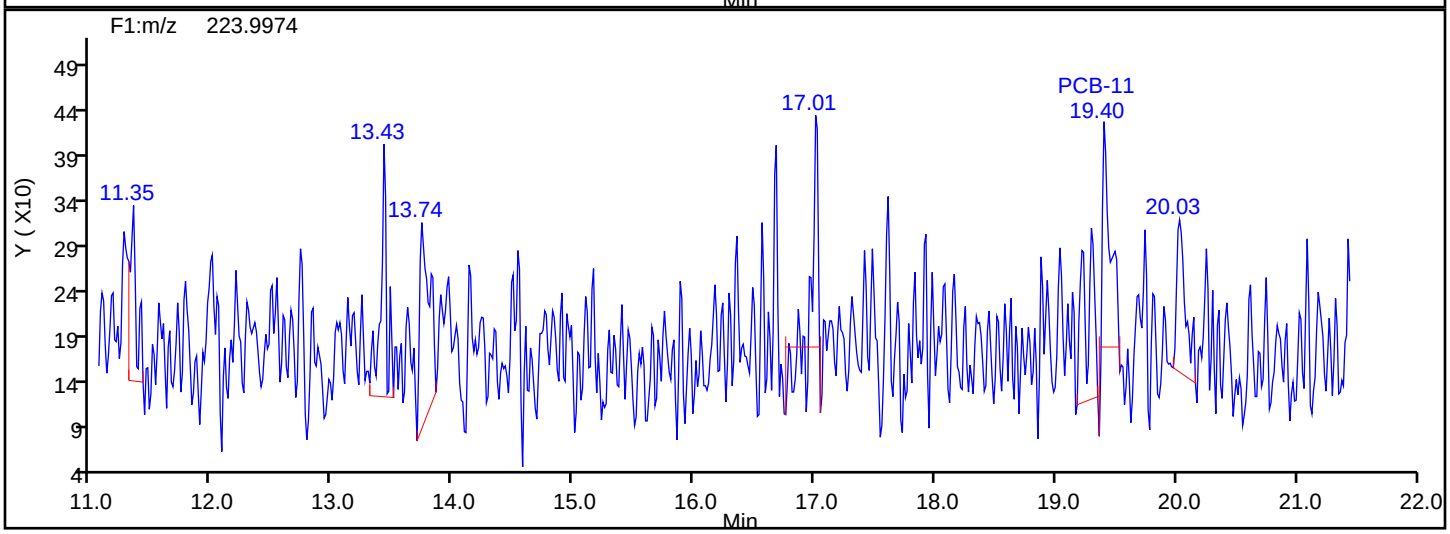



Eurofins TestAmerica, Knoxville

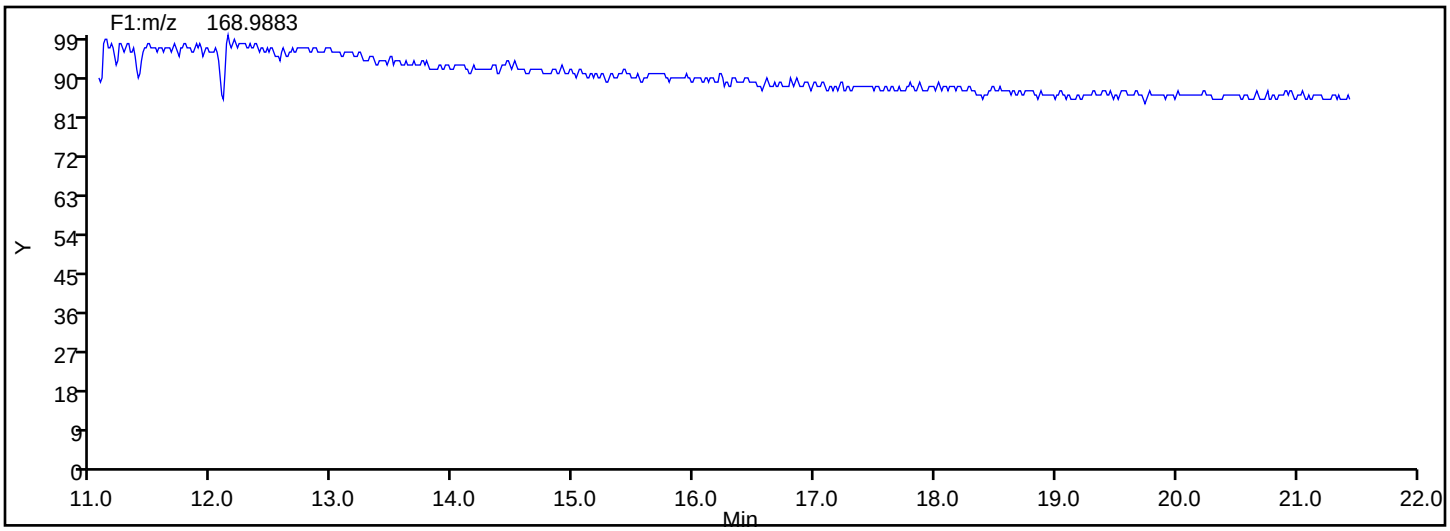
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

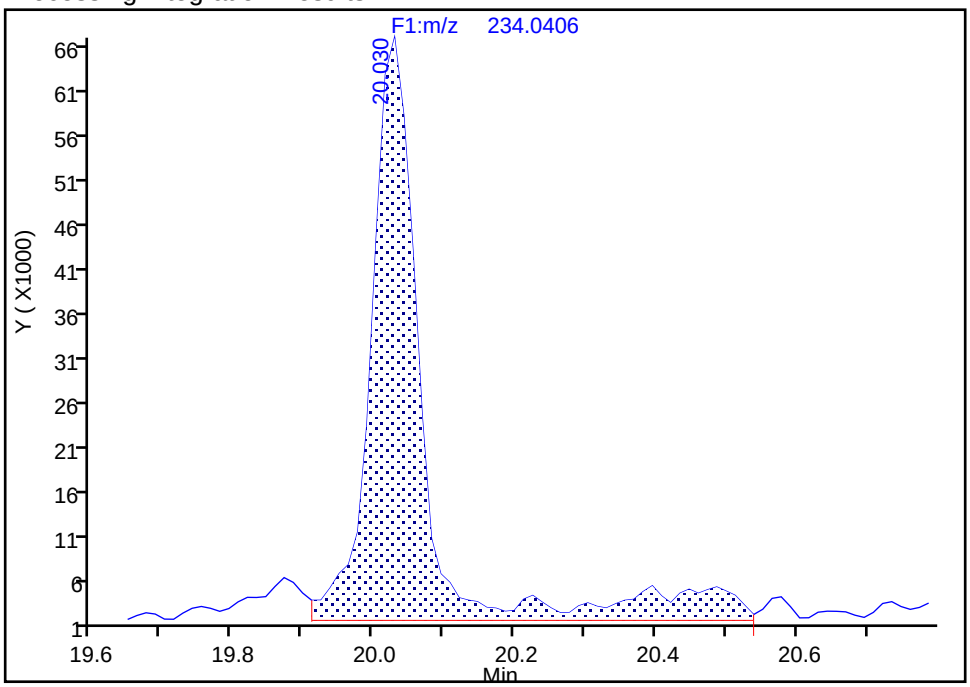
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 1

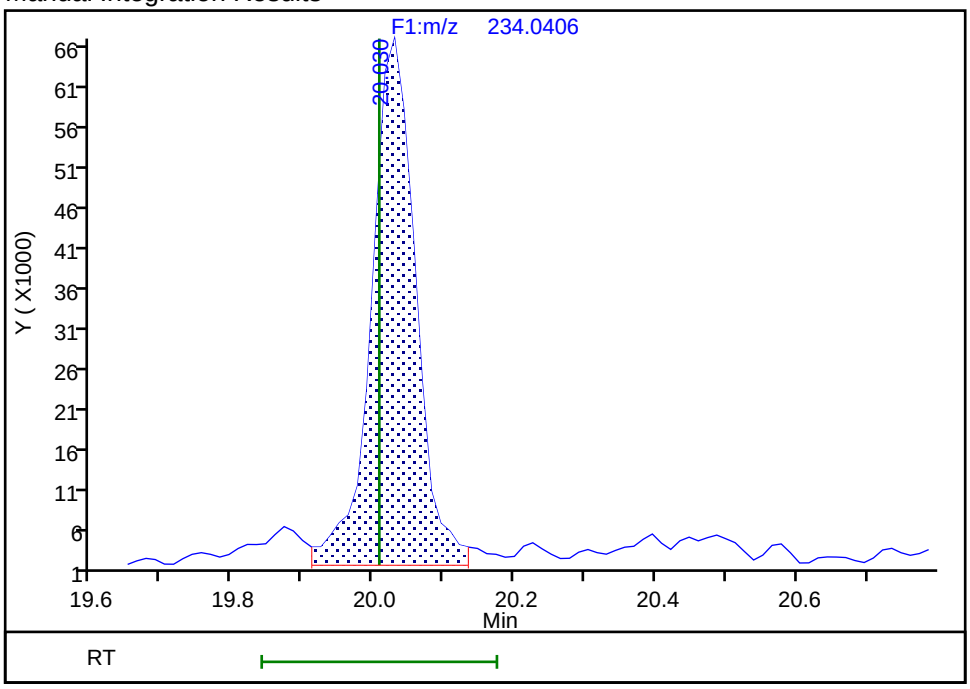
Processing Integration Results

RT: 20.03
Area: 336055
Amount: 18.713181
Amount Units: pg/ul




Manual Integration Results

RT: 20.03
Area: 283101
Amount: 16.651214
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:04:51

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

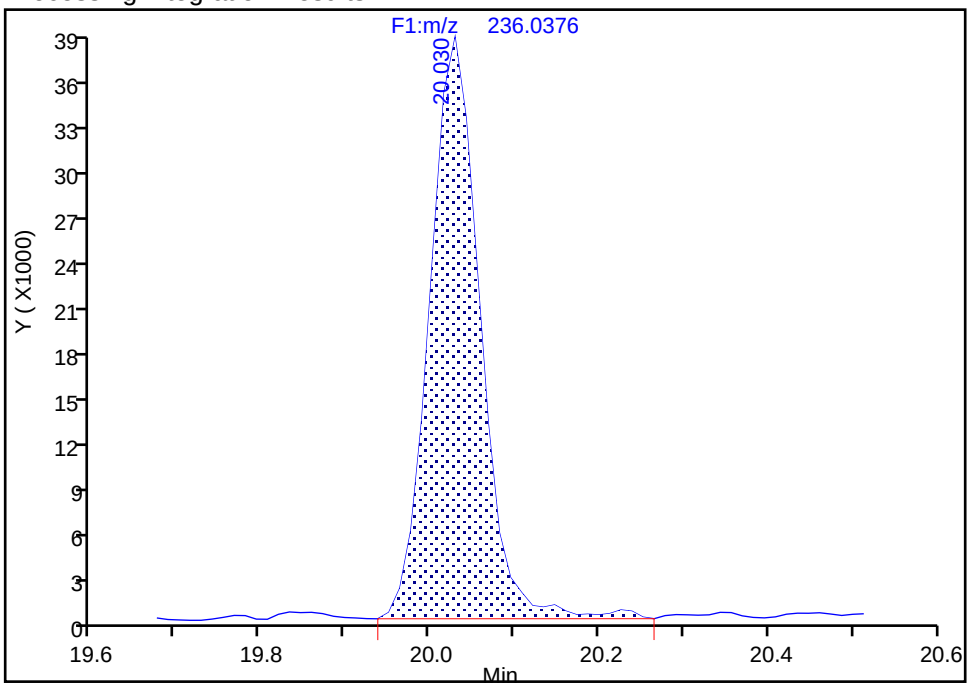
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 2

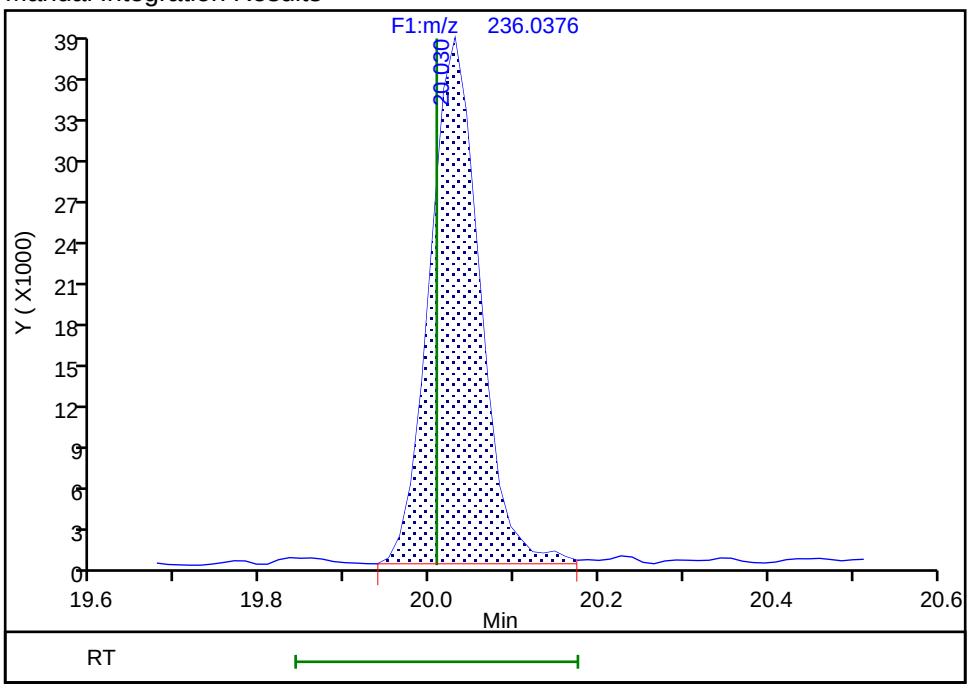
Processing Integration Results

RT: 20.03
Area: 160061
Amount: 18.713181
Amount Units: pg/ul




Manual Integration Results

RT: 20.03
Area: 158349
Amount: 16.651214
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:04:55

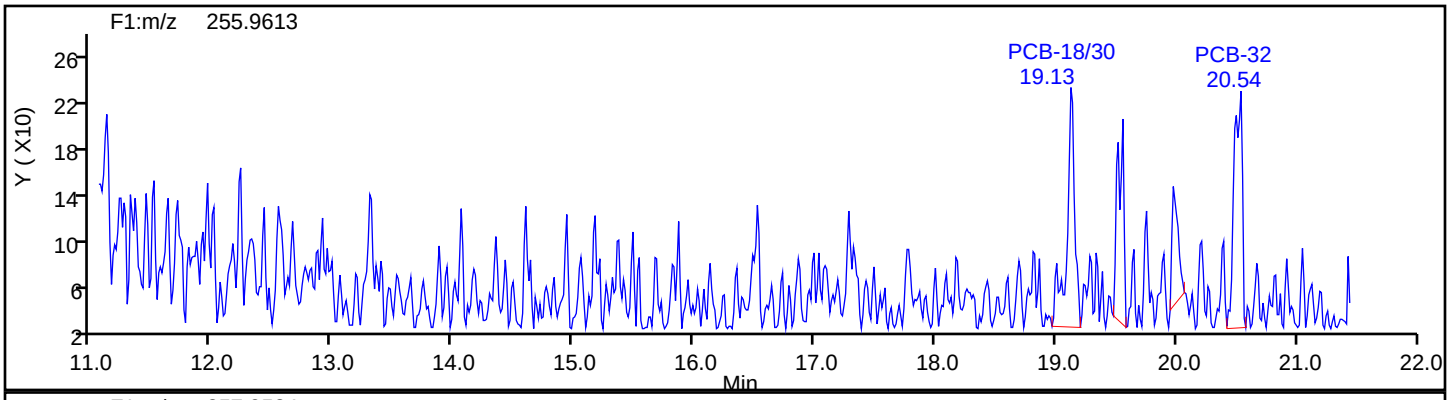
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

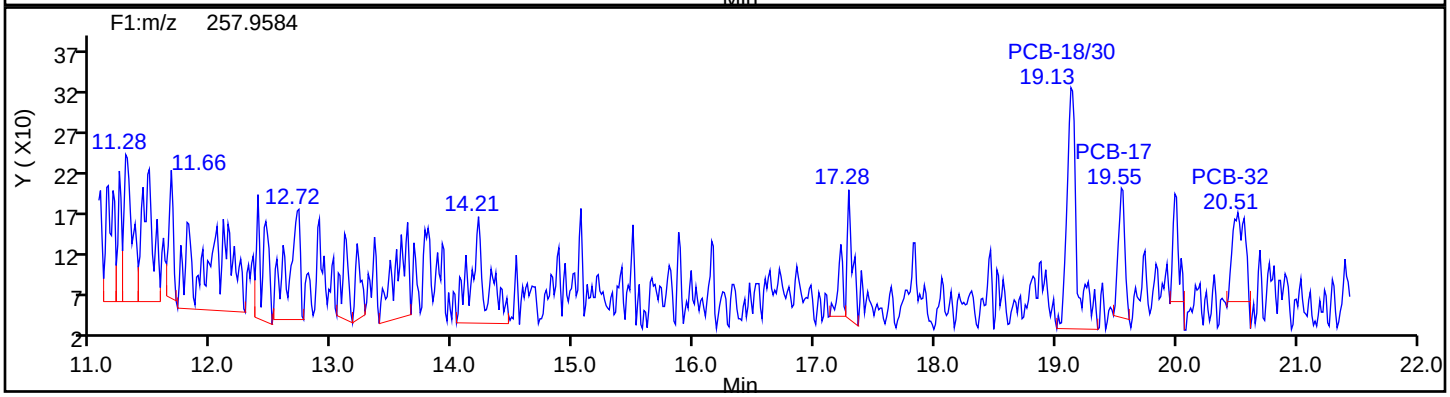
Report Date: 04-Oct-2019 14:05:44 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

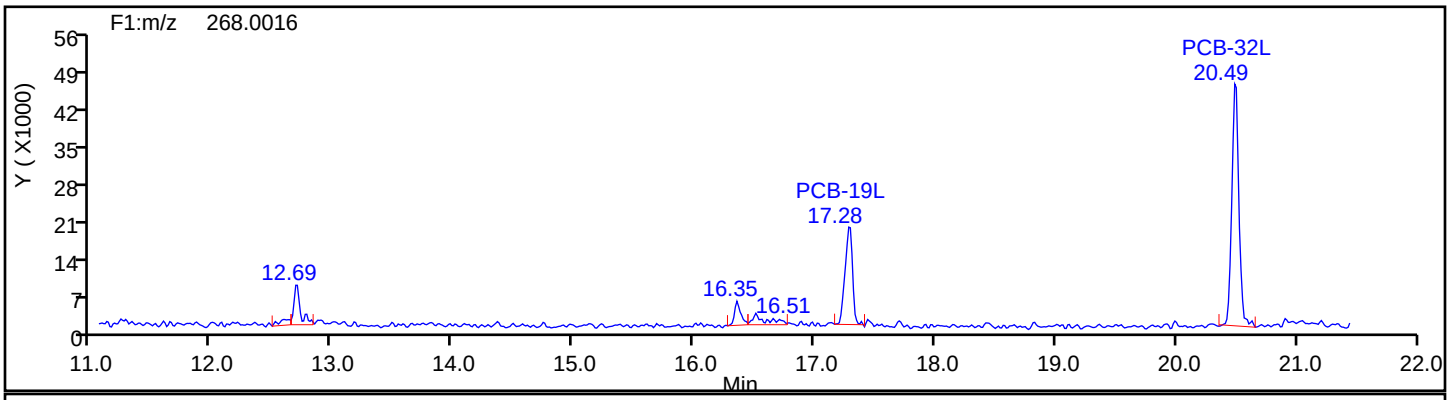
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

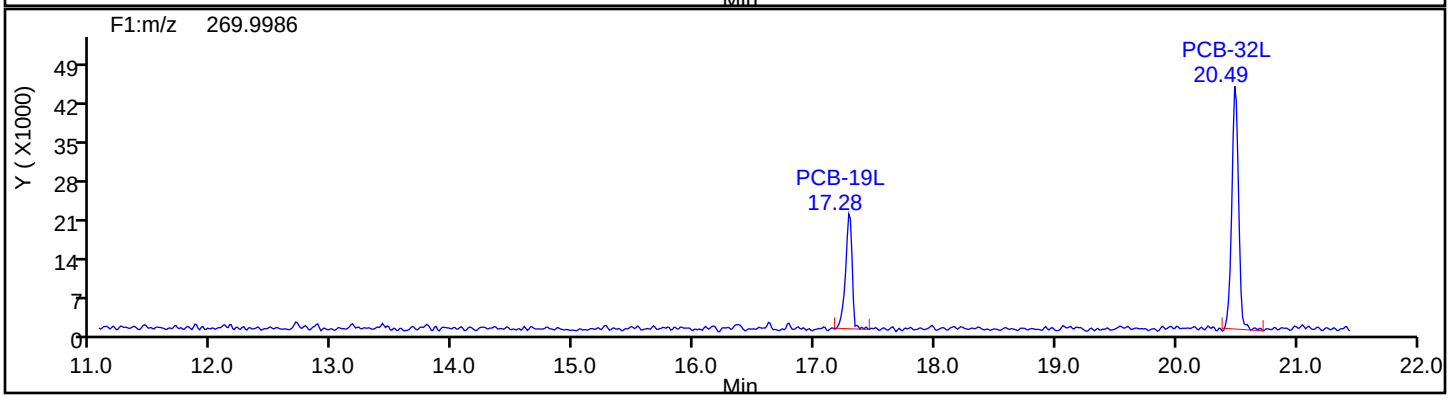
TriPCB F1




TriPCB F1 Standards

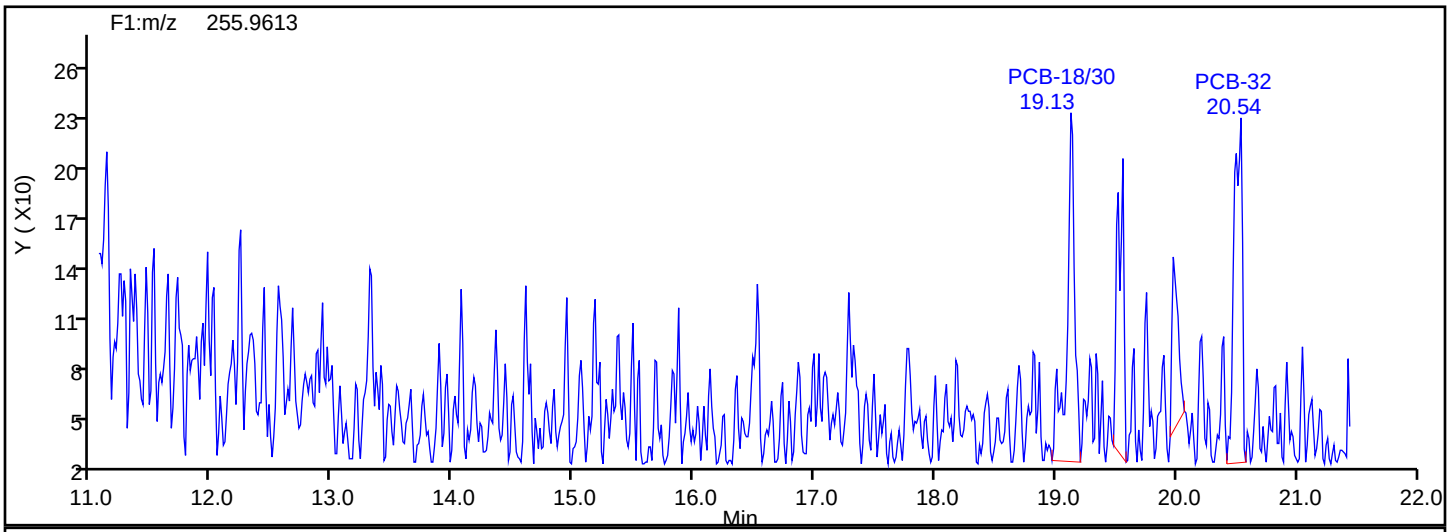


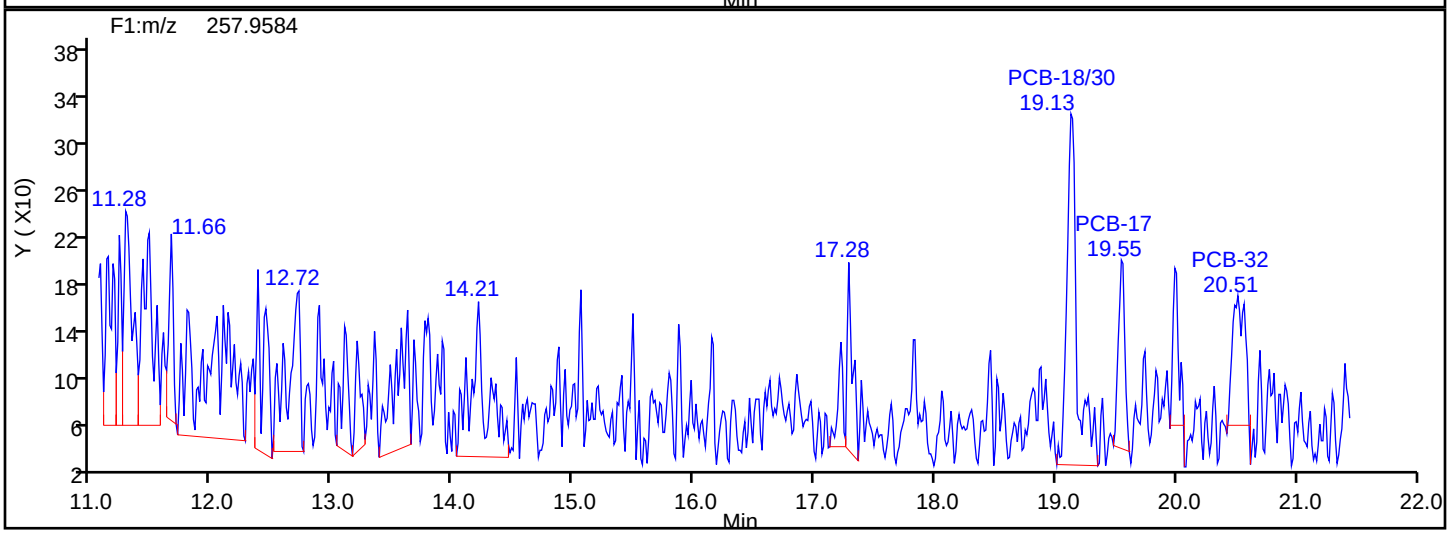



Eurofins TestAmerica, Knoxville

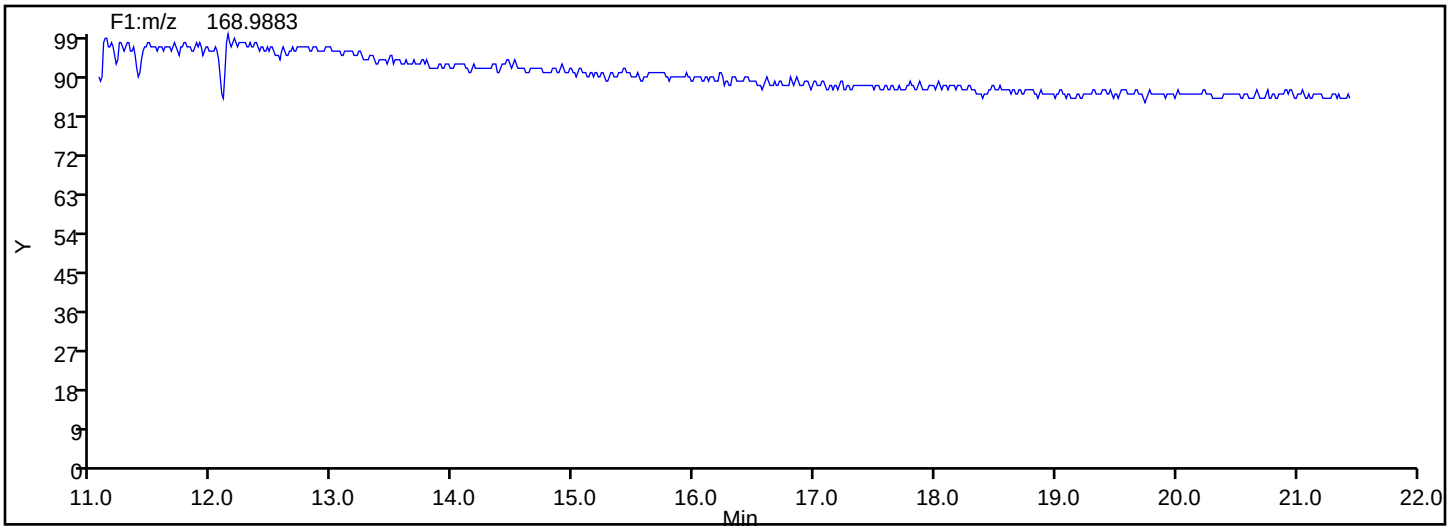
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



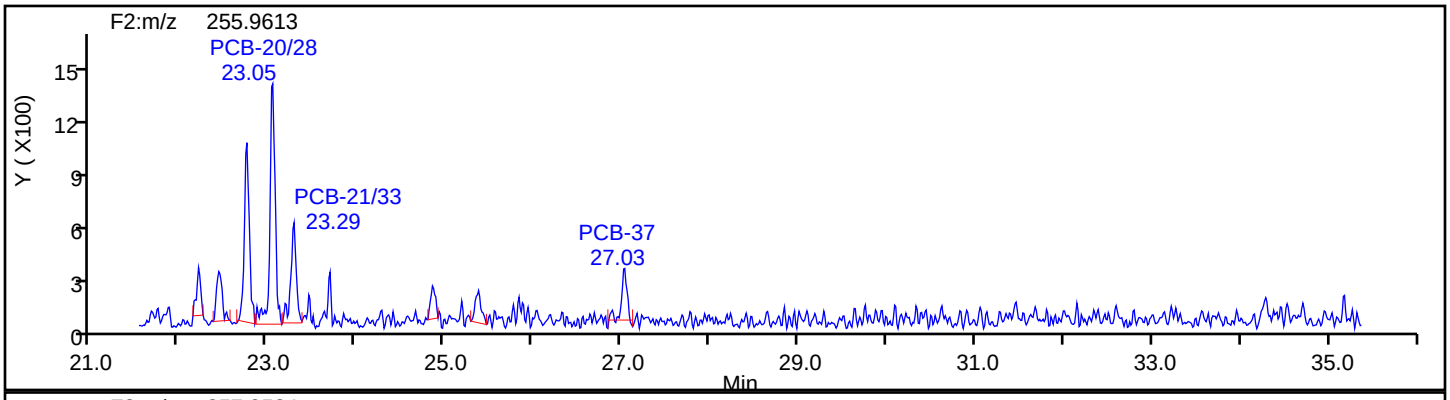

TriPCB F1 Lock Mass

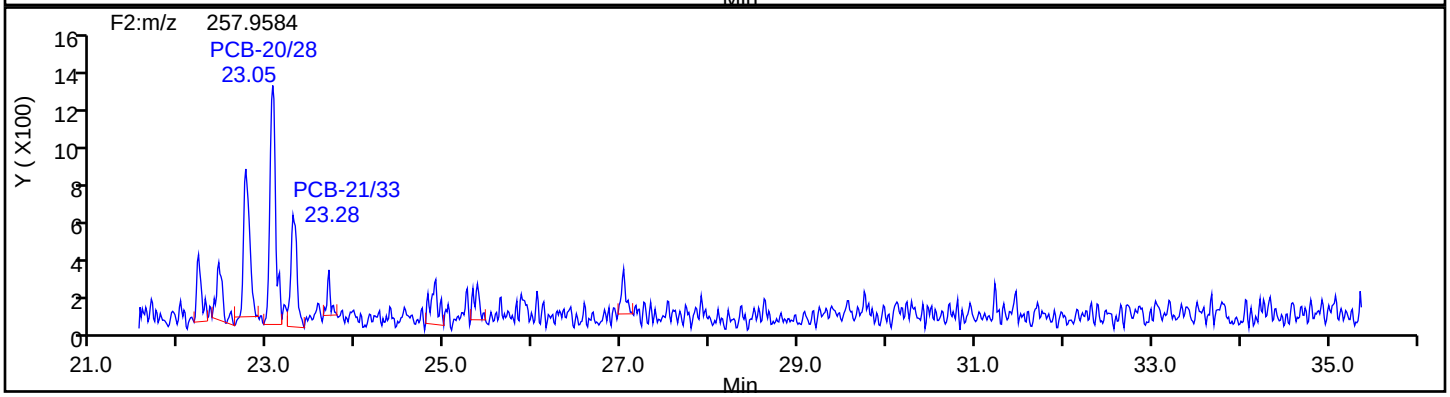


Eurofins TestAmerica, Knoxville

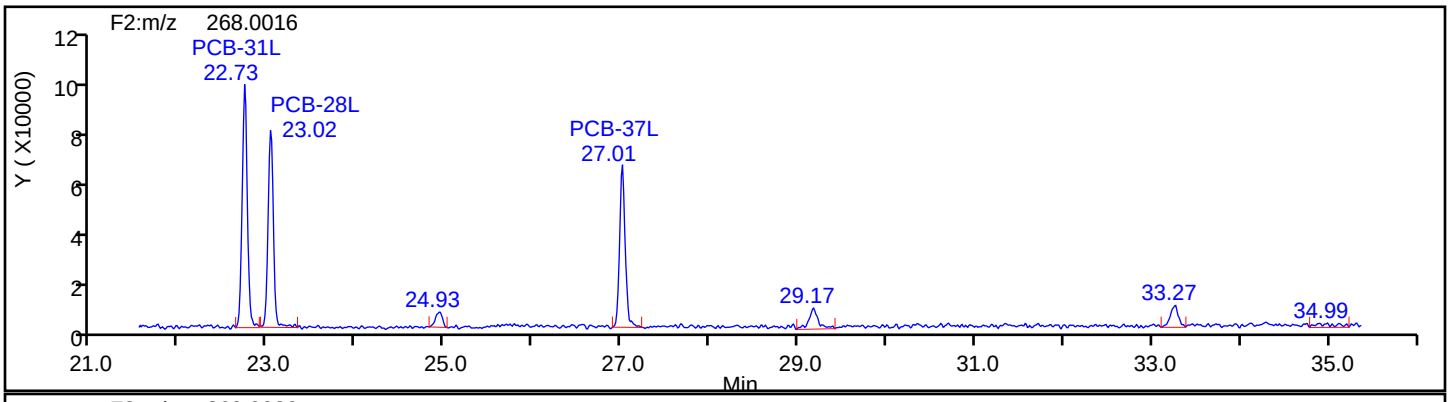
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

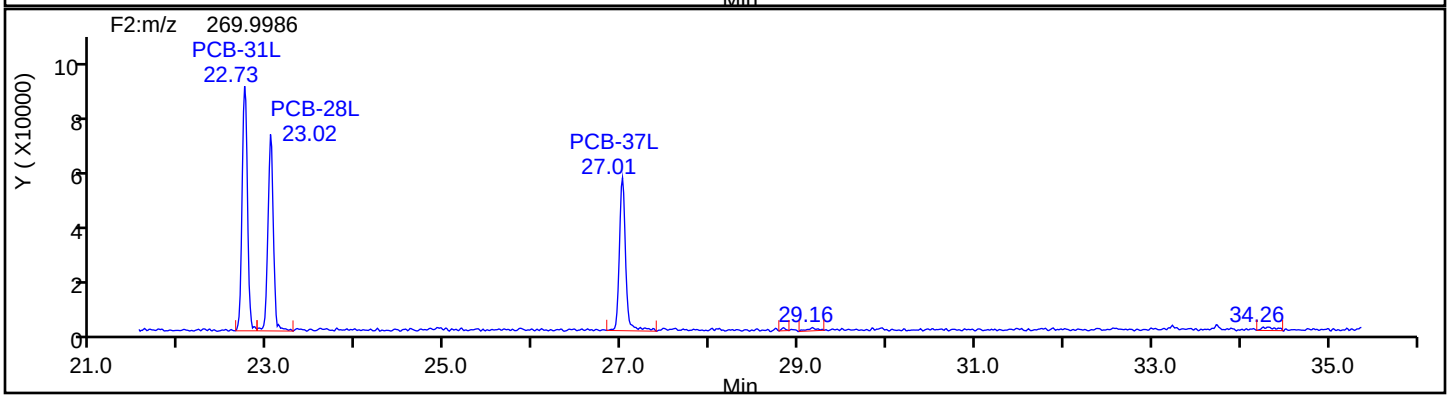
TriPCB F2




TriPCB F2 Standards

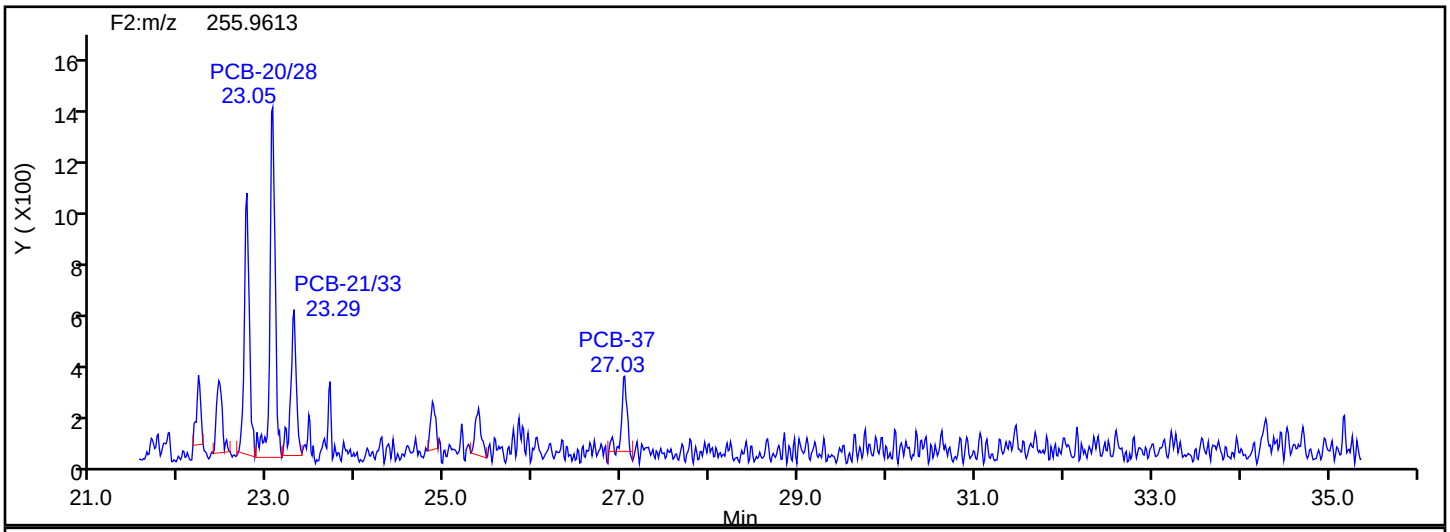


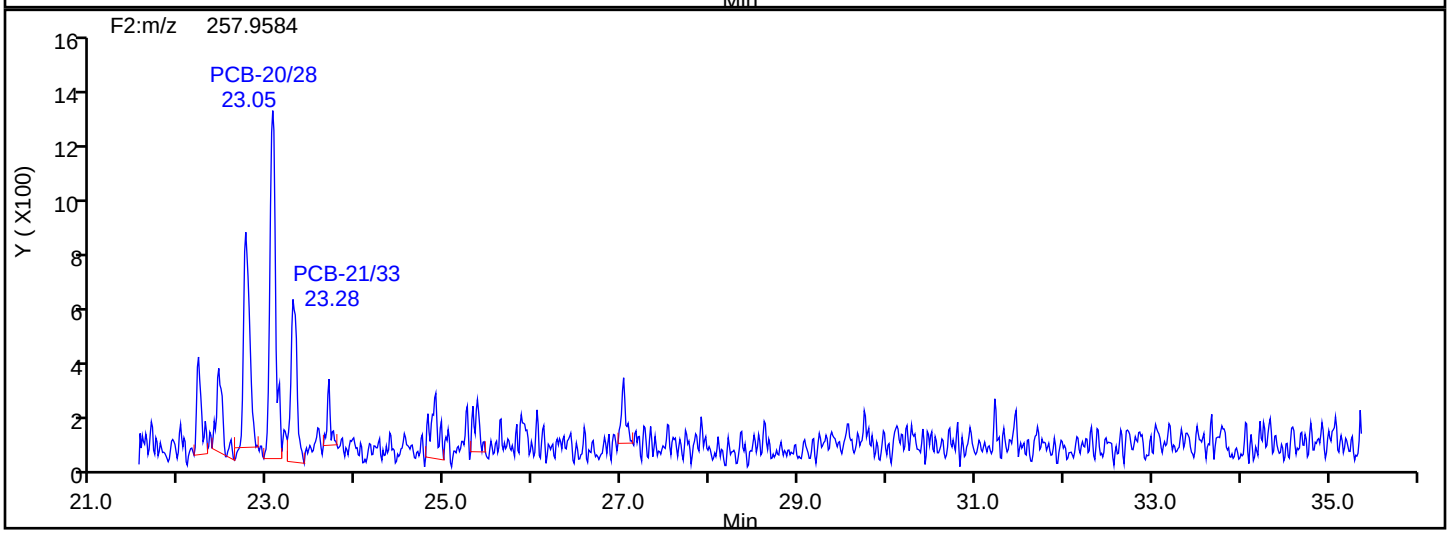



Eurofins TestAmerica, Knoxville

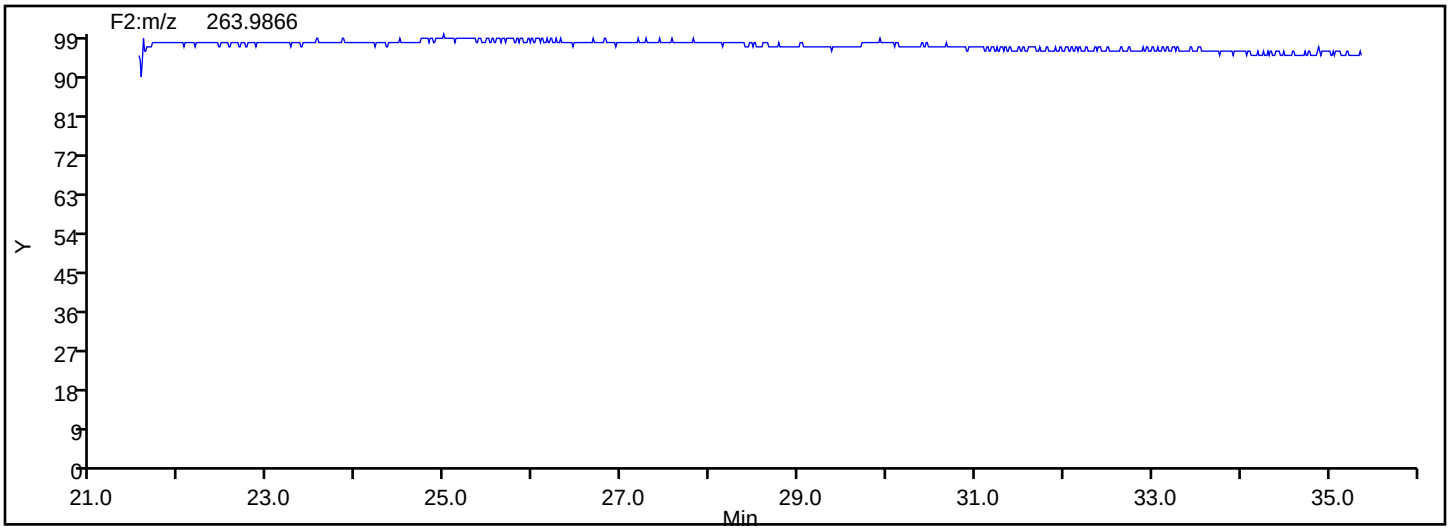
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass

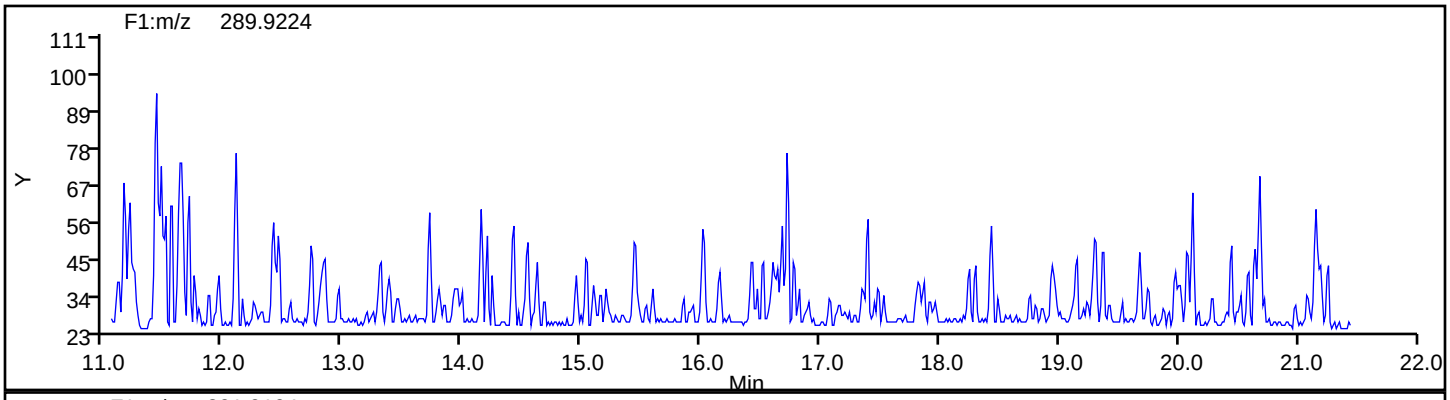


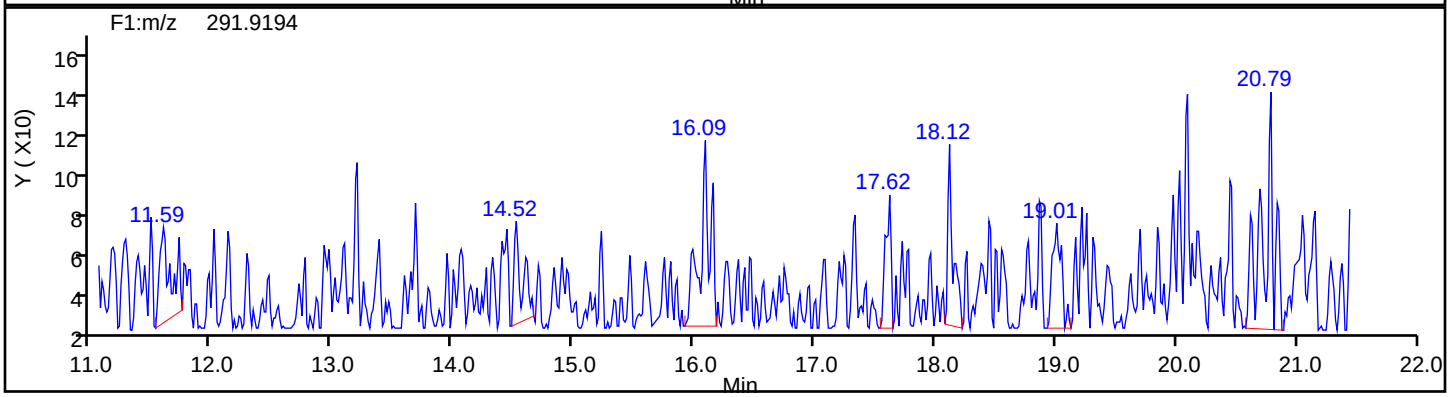
Report Date: 04-Oct-2019 14:05:46 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

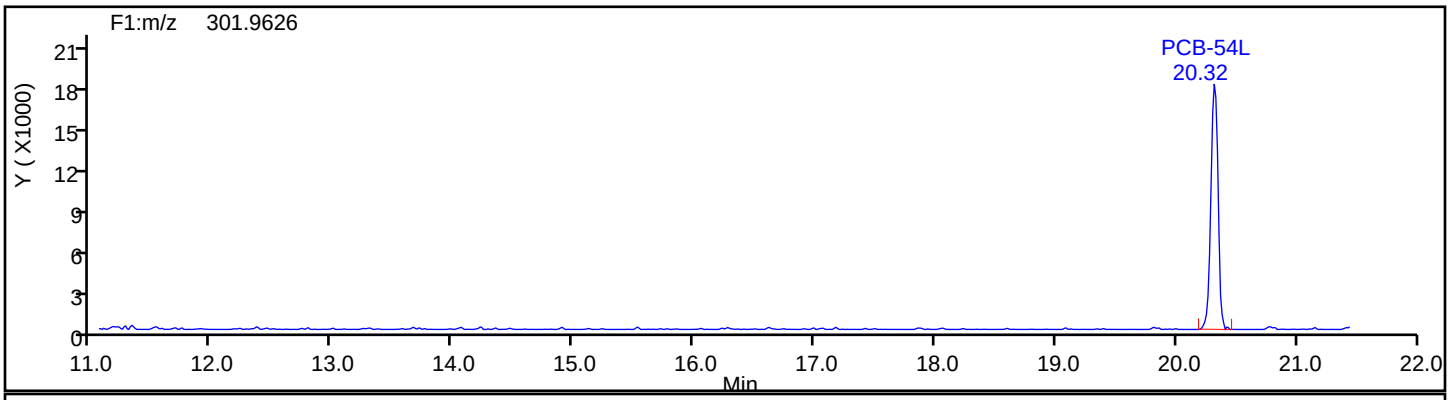
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

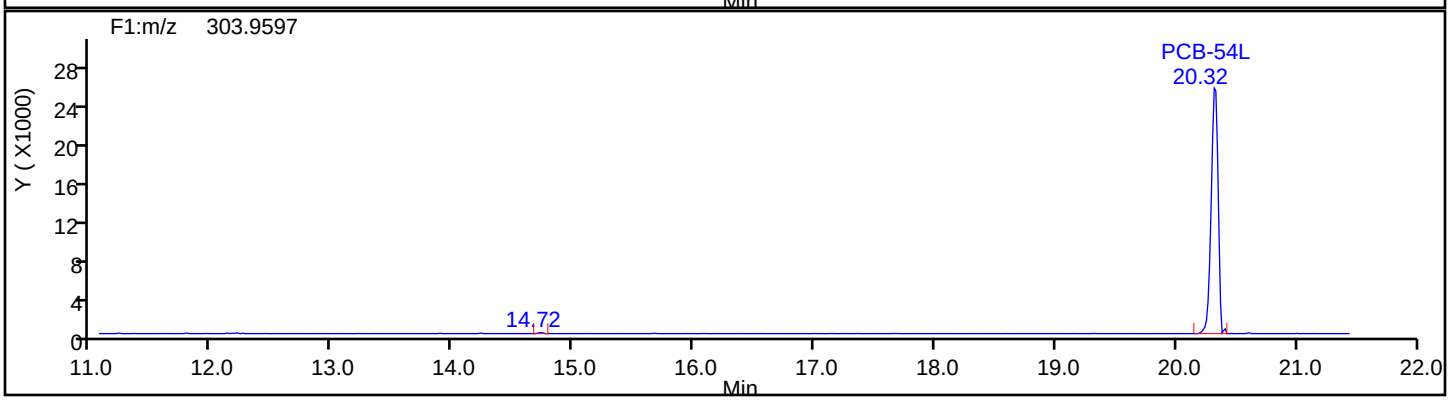
TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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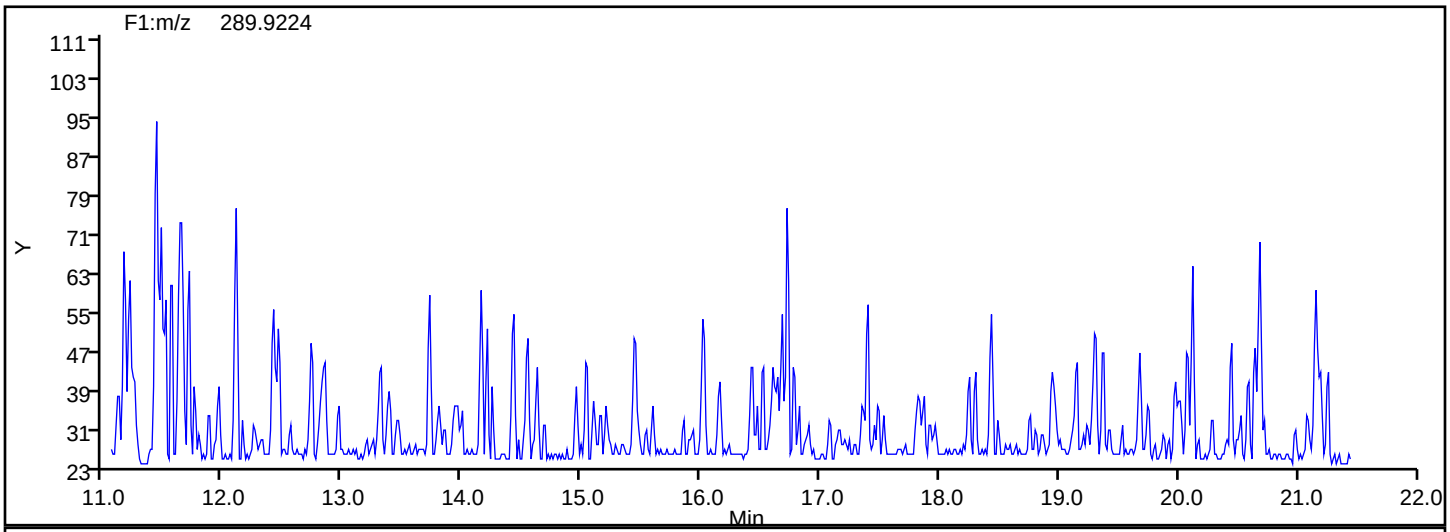
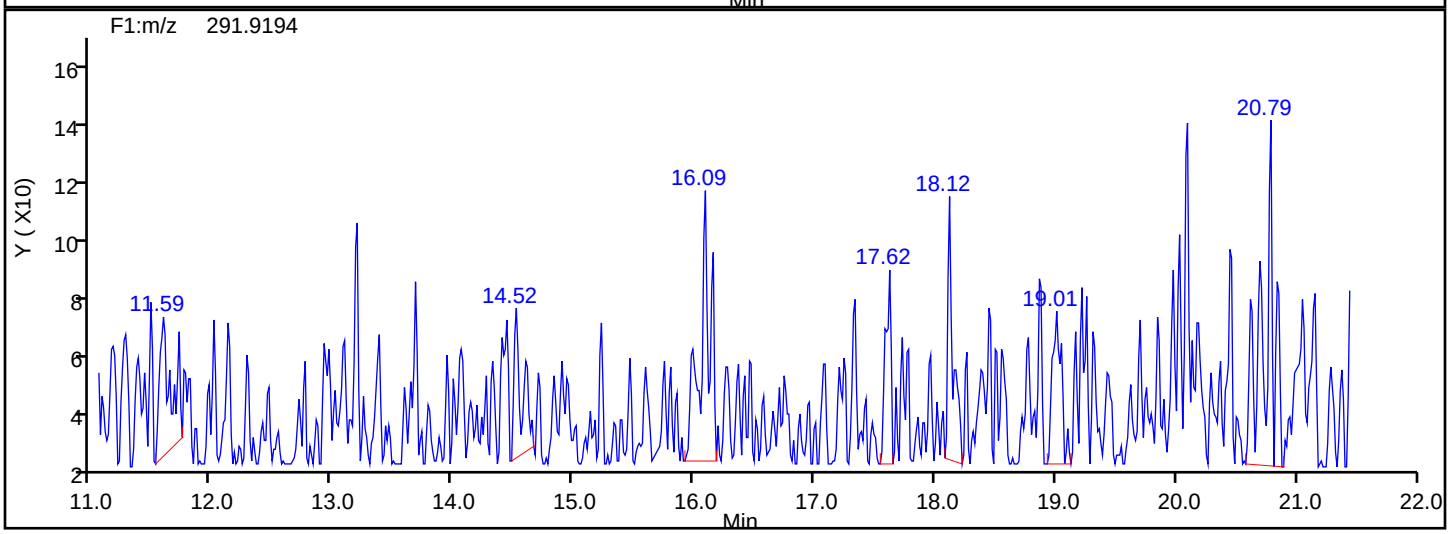
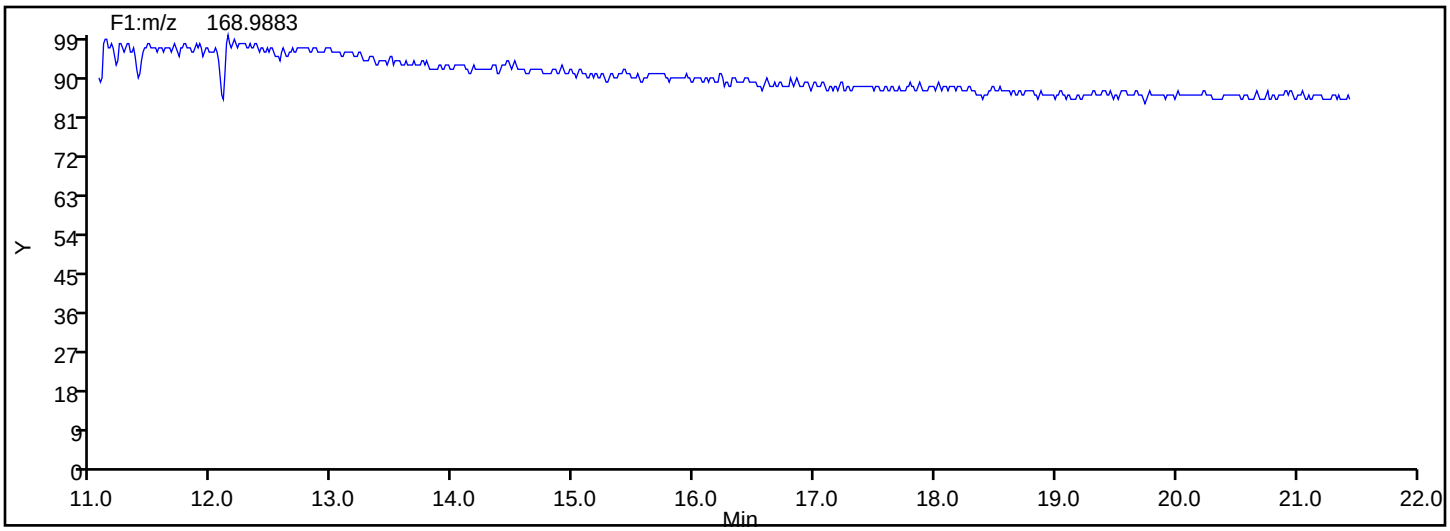
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



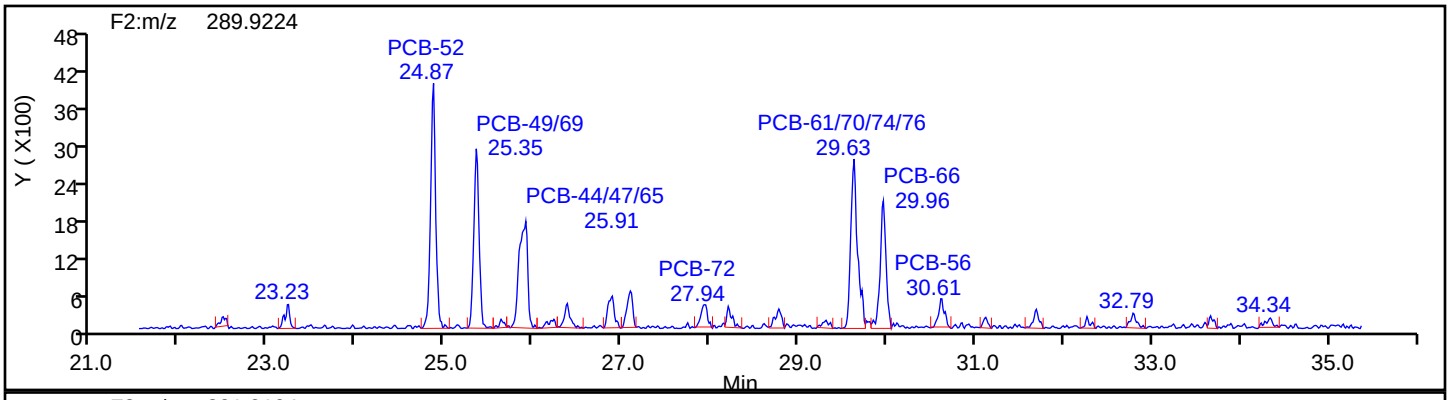

TePCB F1 Lock Mass

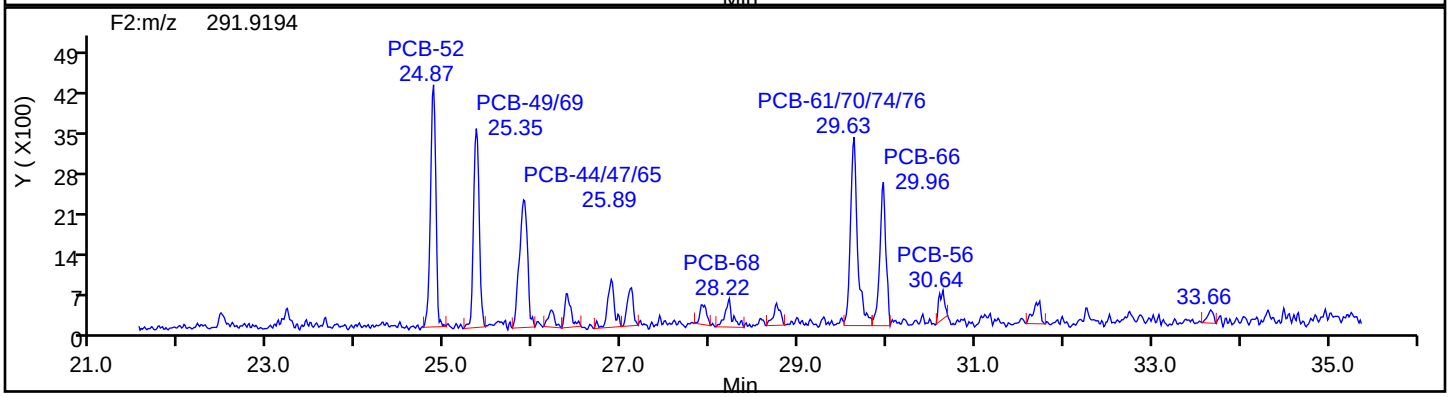


Eurofins TestAmerica, Knoxville

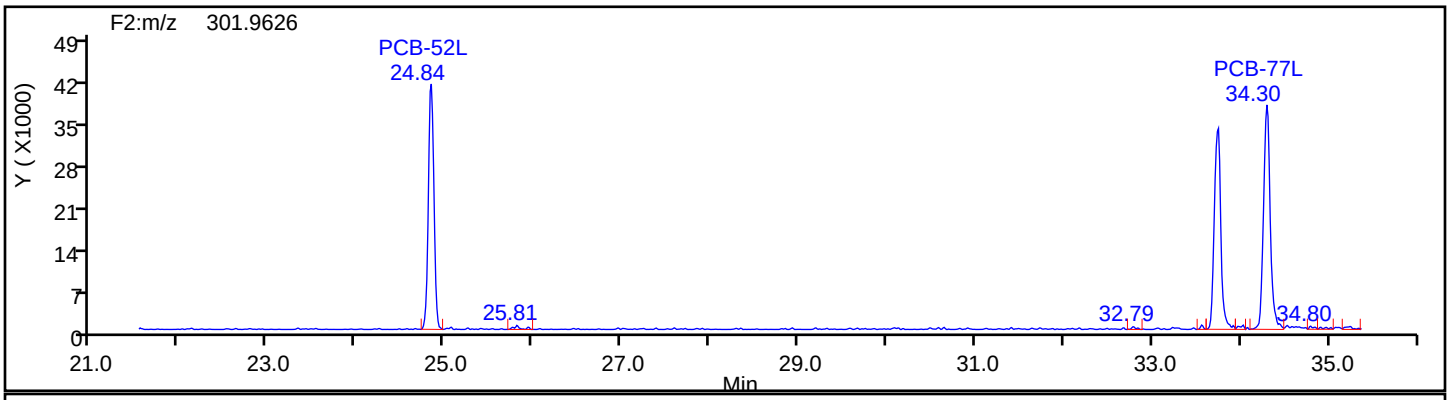
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

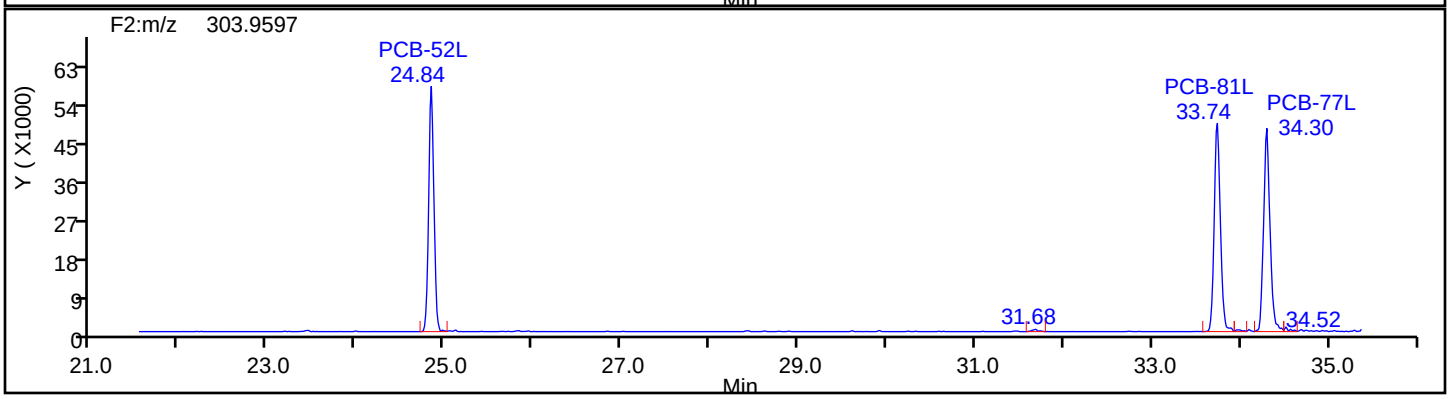
TePCB F2




TePCB F2 Standards

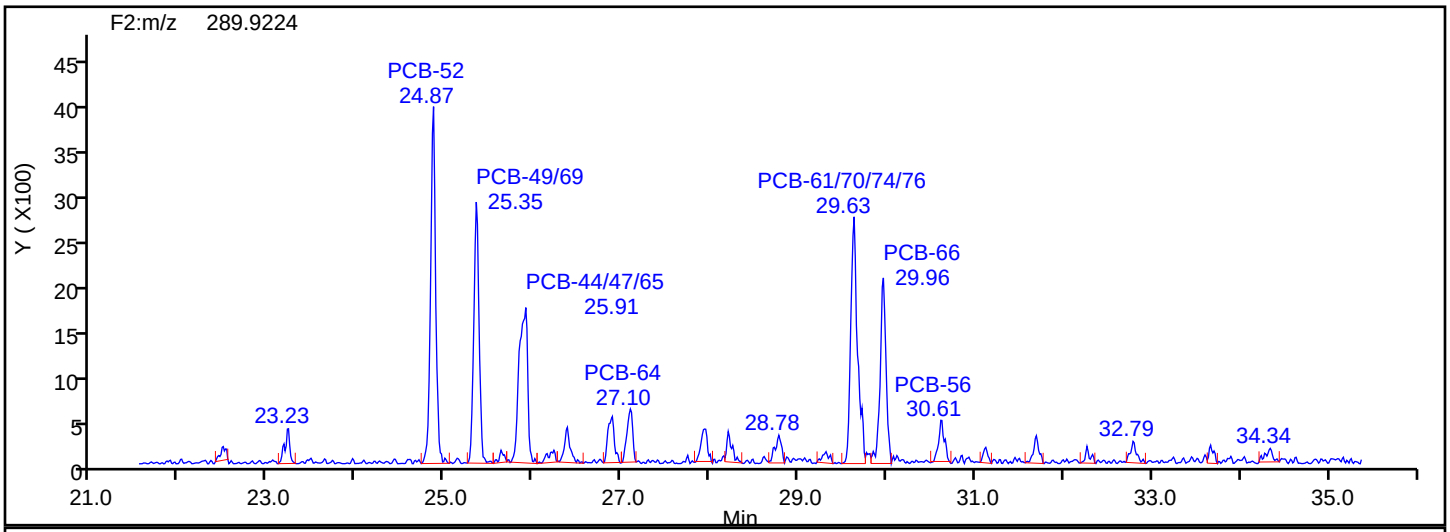


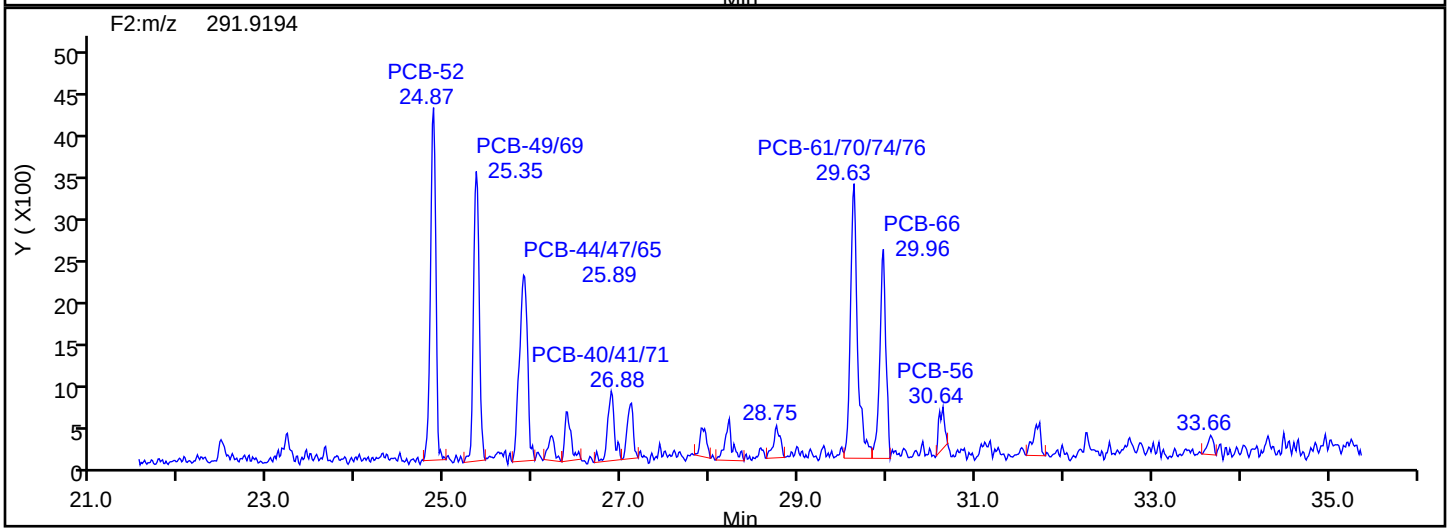



Eurofins TestAmerica, Knoxville

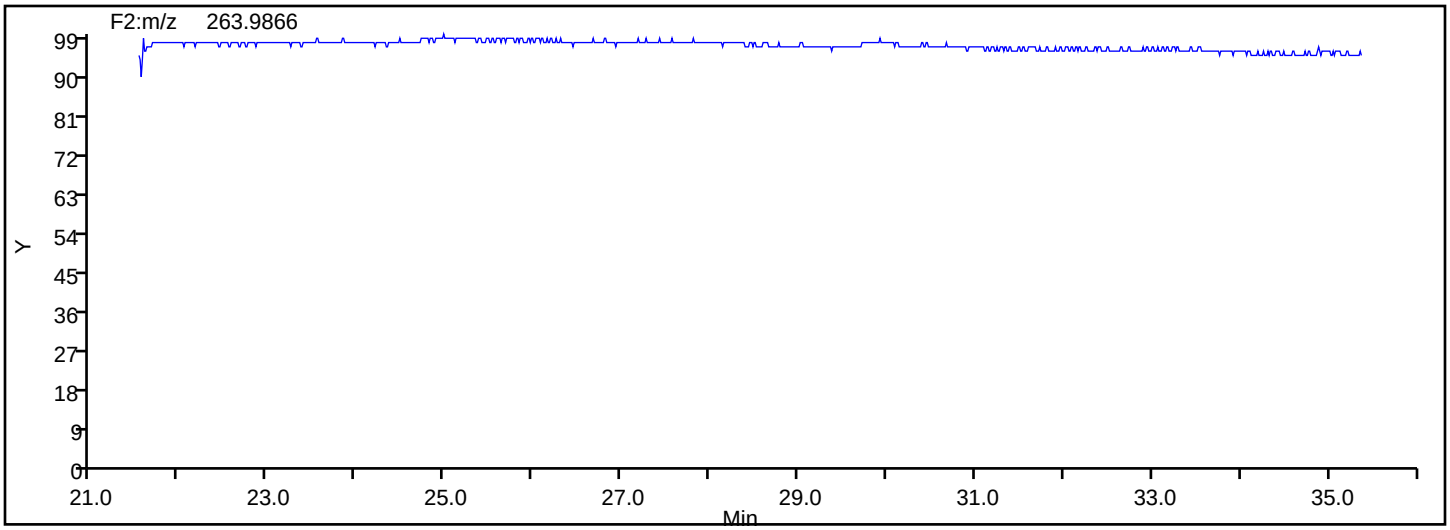
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

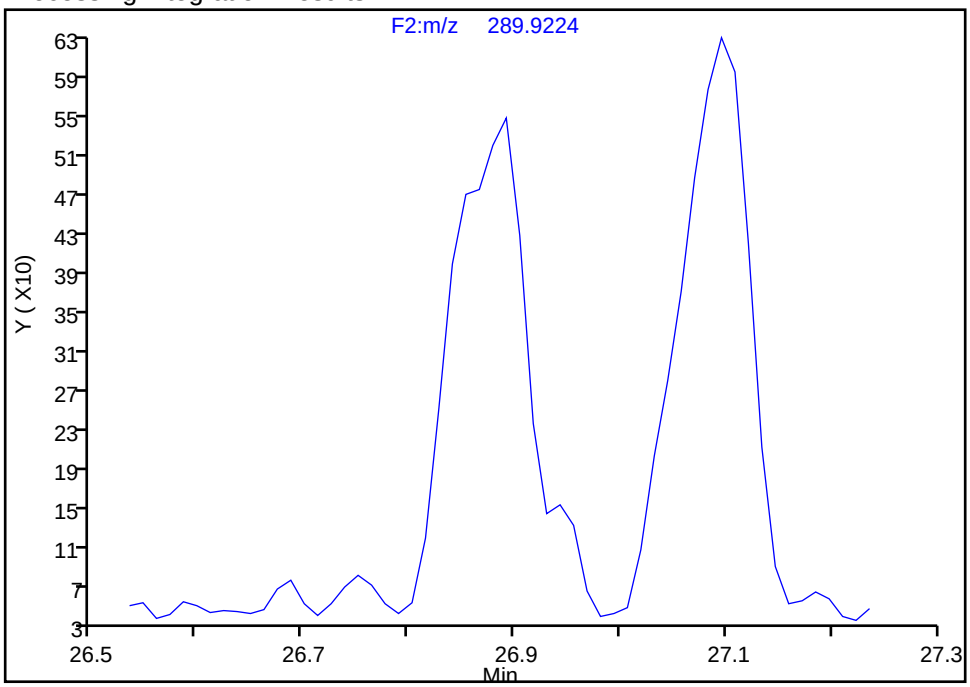
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

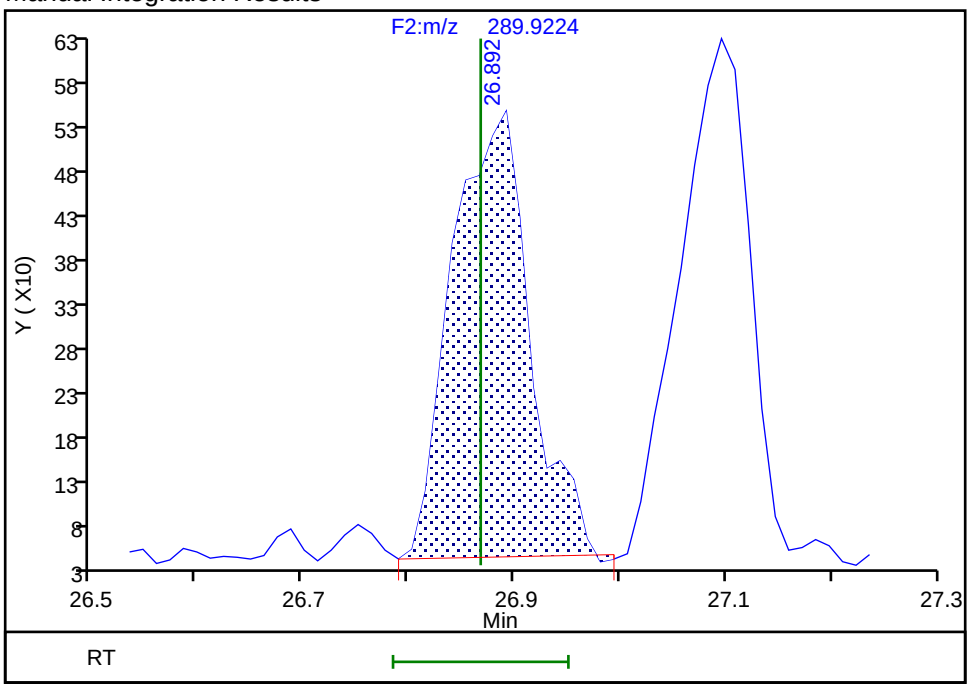
Not Detected
Expected RT: 26.87

Processing Integration Results




Manual Integration Results

RT: 26.89
Area: 2572
Amount: 0.362691
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:32:57
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

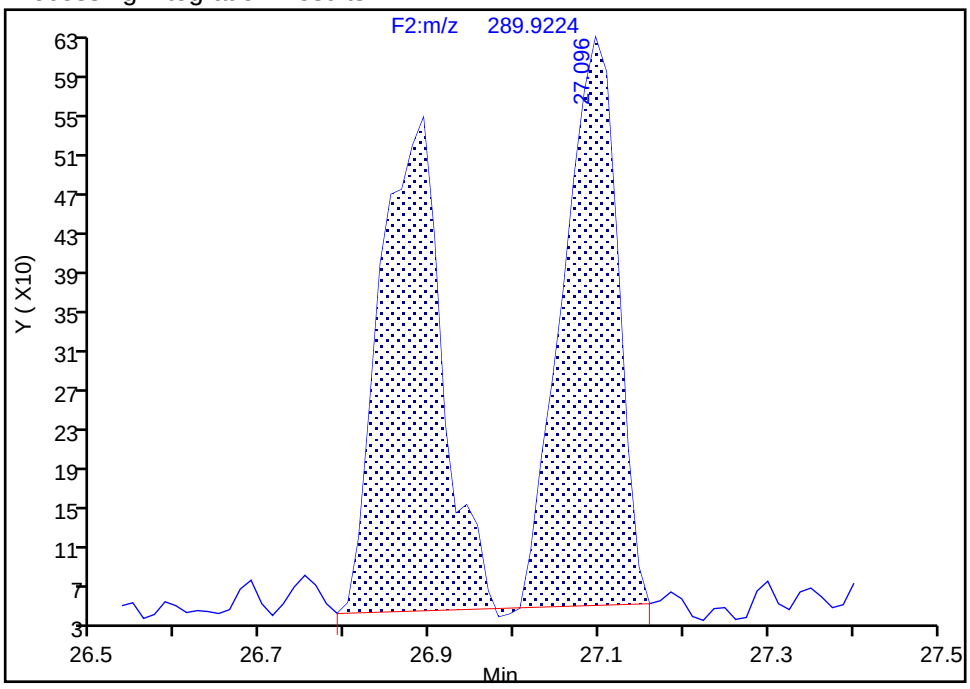
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

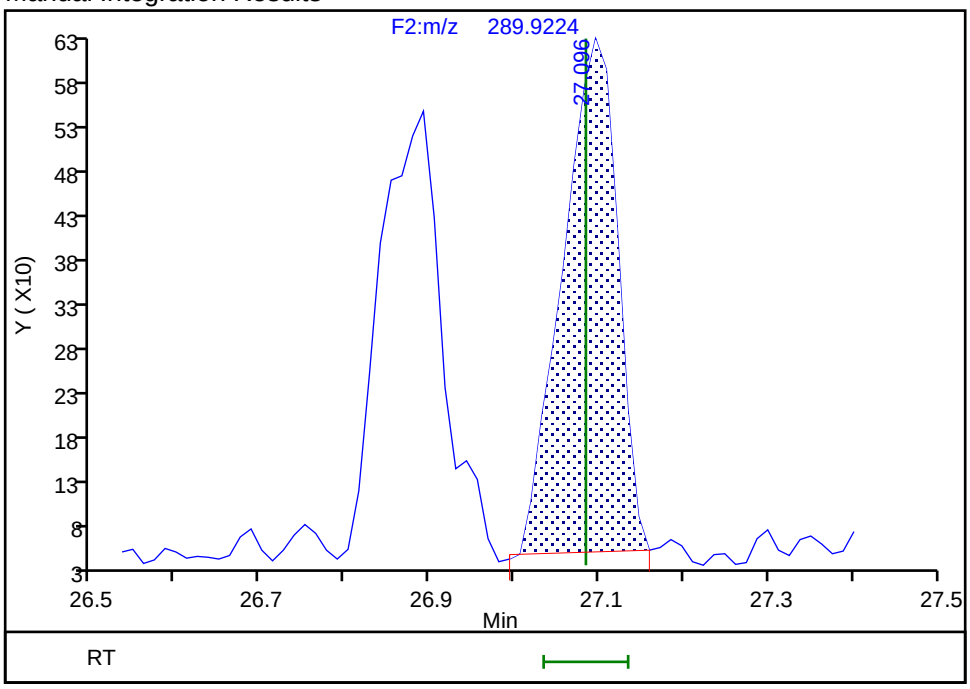
Processing Integration Results

RT: 27.10
Area: 5181
Amount: 0.274373
Amount Units: pg/ul




Manual Integration Results

RT: 27.10
Area: 2614
Amount: 0.190105
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:32:51
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

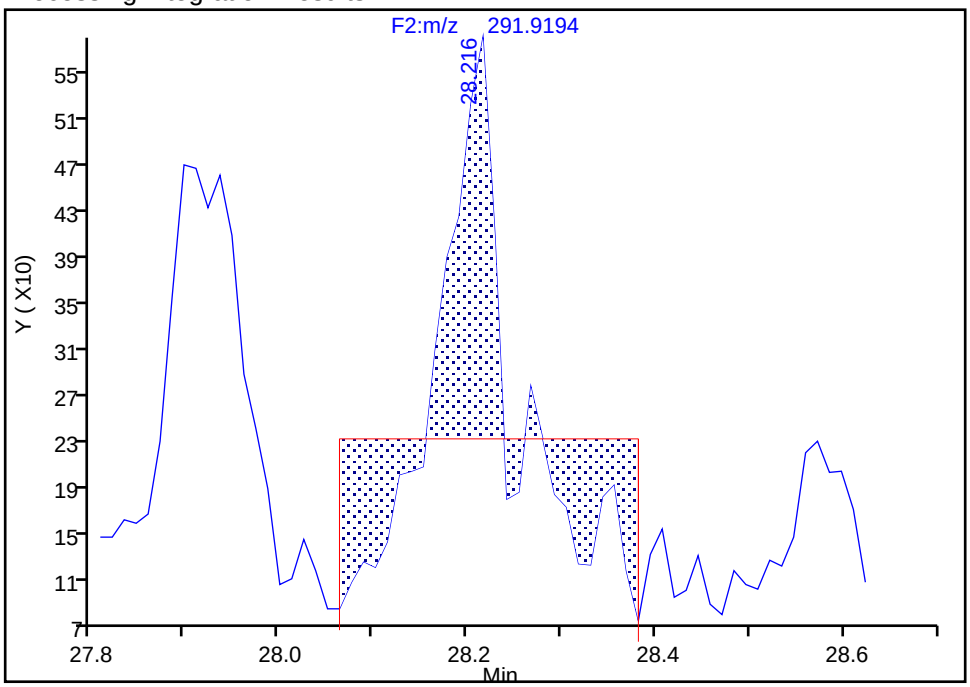
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 2

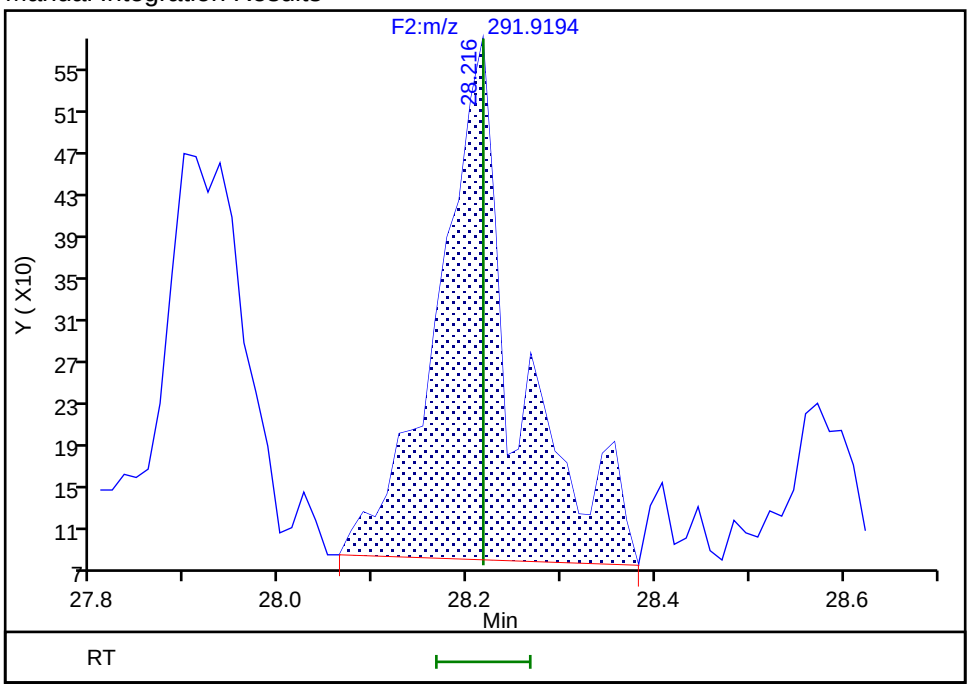
Processing Integration Results

RT: 28.22
Area: 5
Amount: 0.042243
Amount Units: pg/ul




Manual Integration Results

RT: 28.22
Area: 2897
Amount: 0.133207
Amount Units: pg/ul

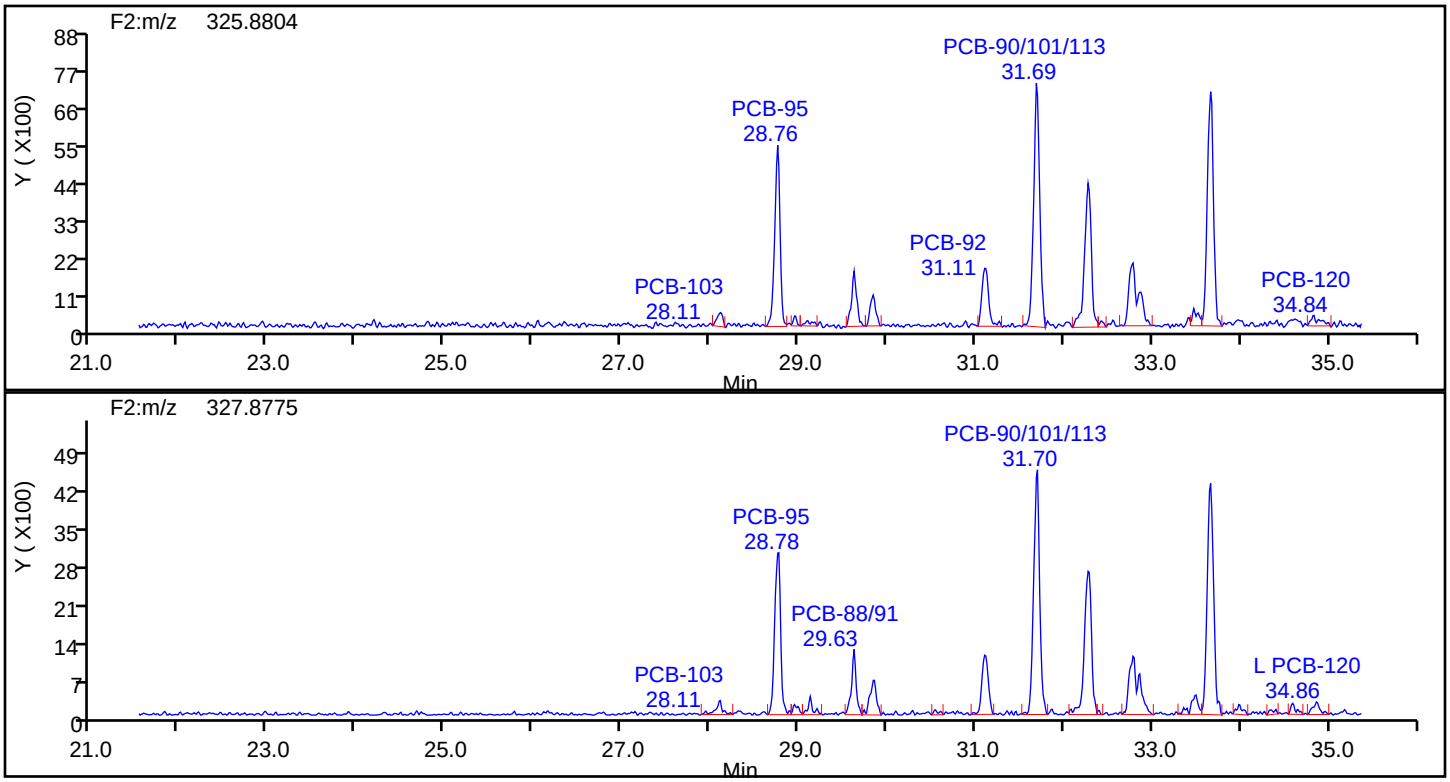



Reviewer: layk, 04-Oct-2019 09:33:14
Audit Action: Manually Integrated Audit Reason: Baseline

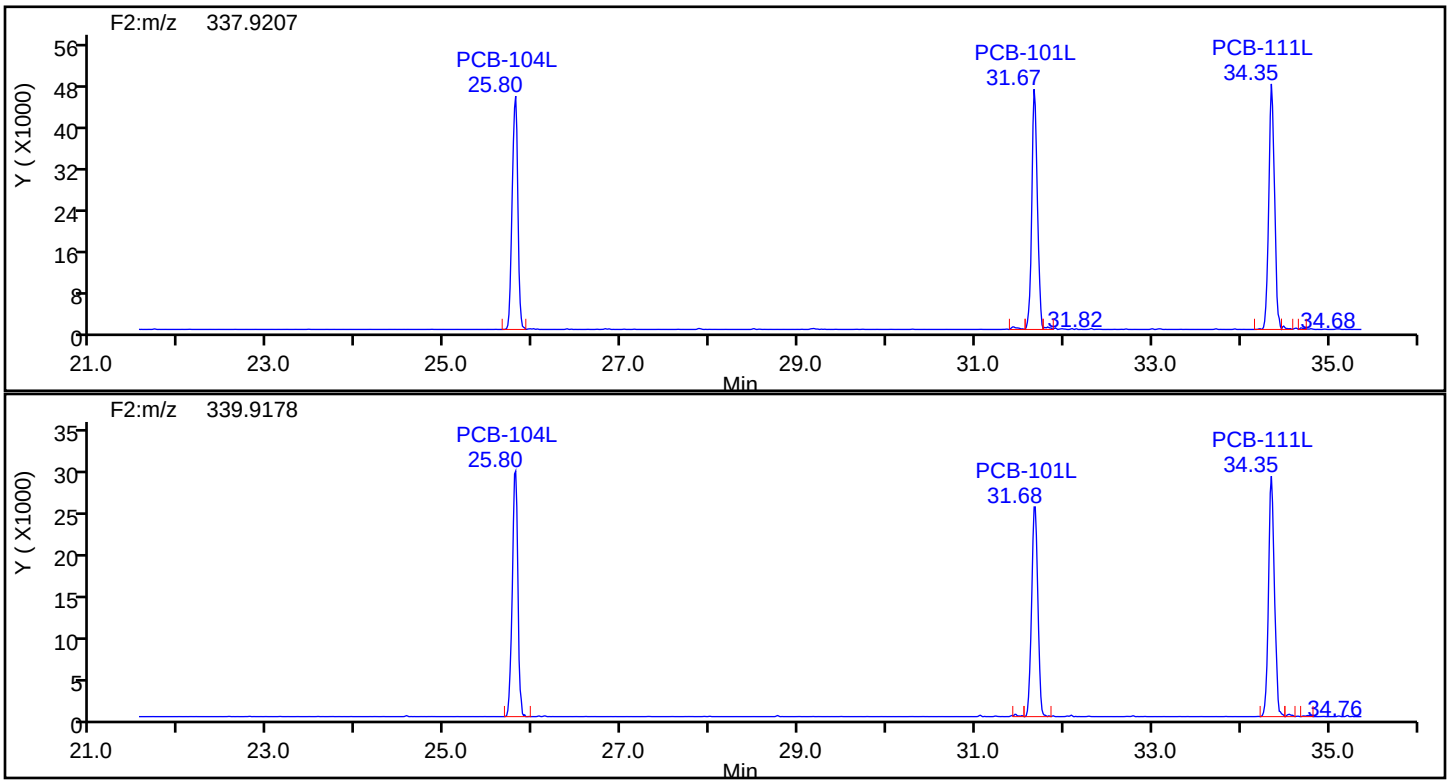
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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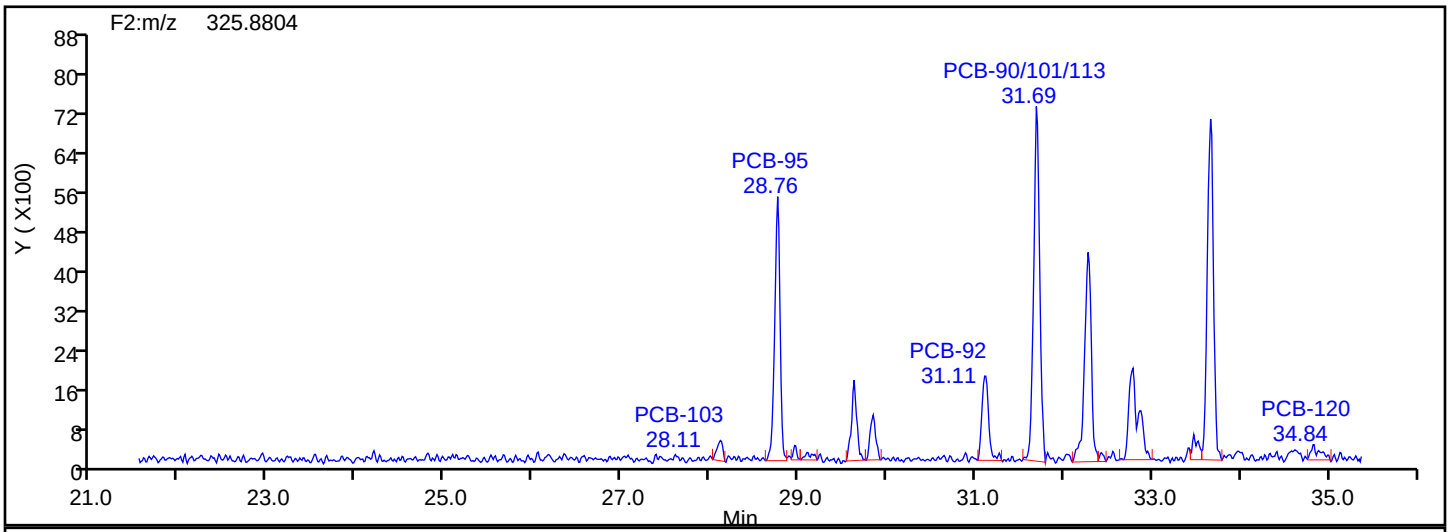
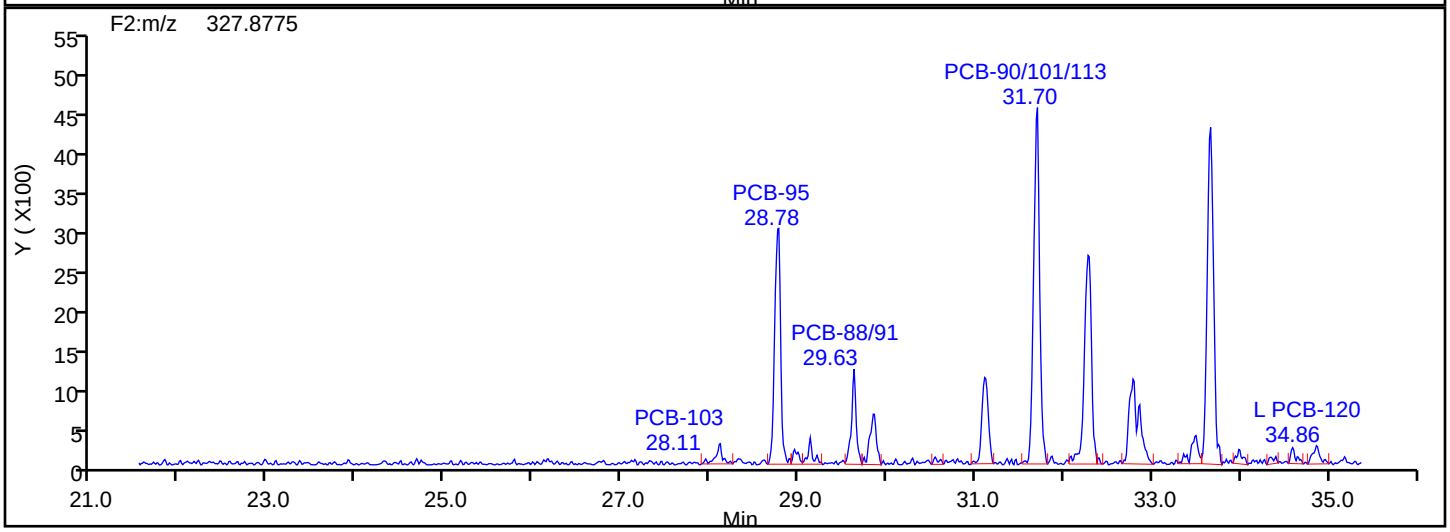
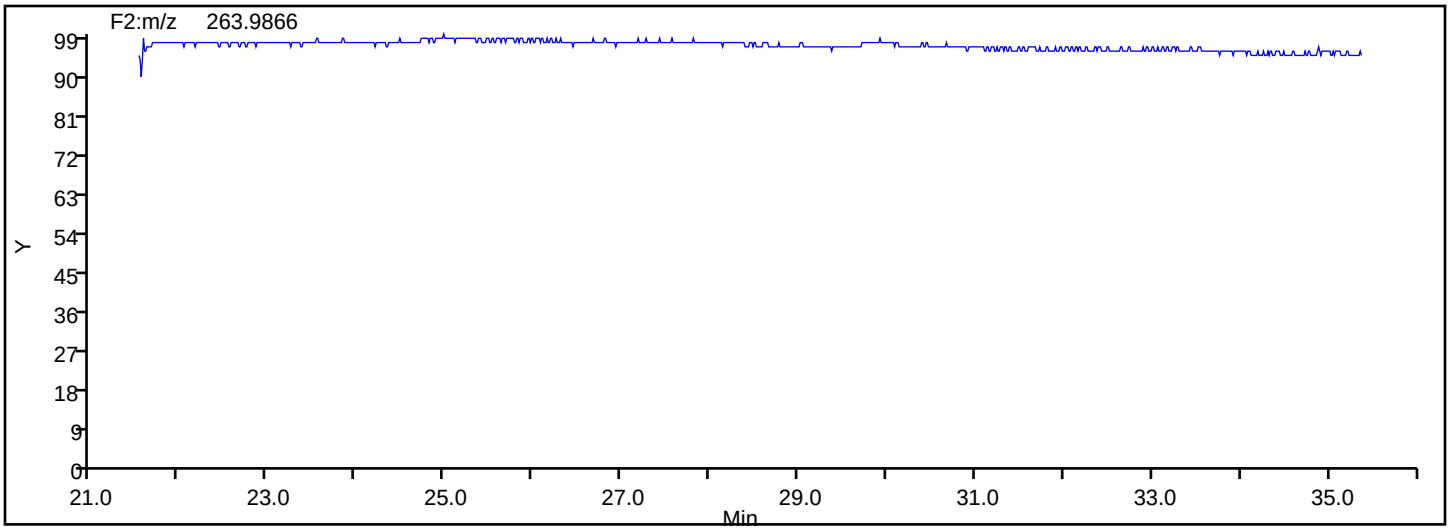
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

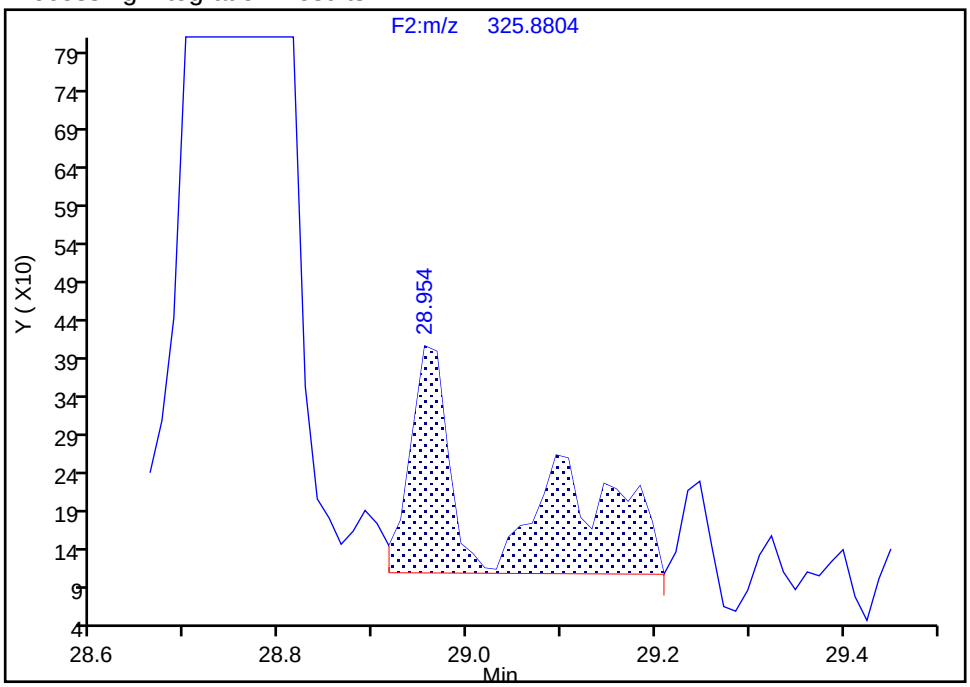
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-93/100, CAS: STL01814

Signal: 1

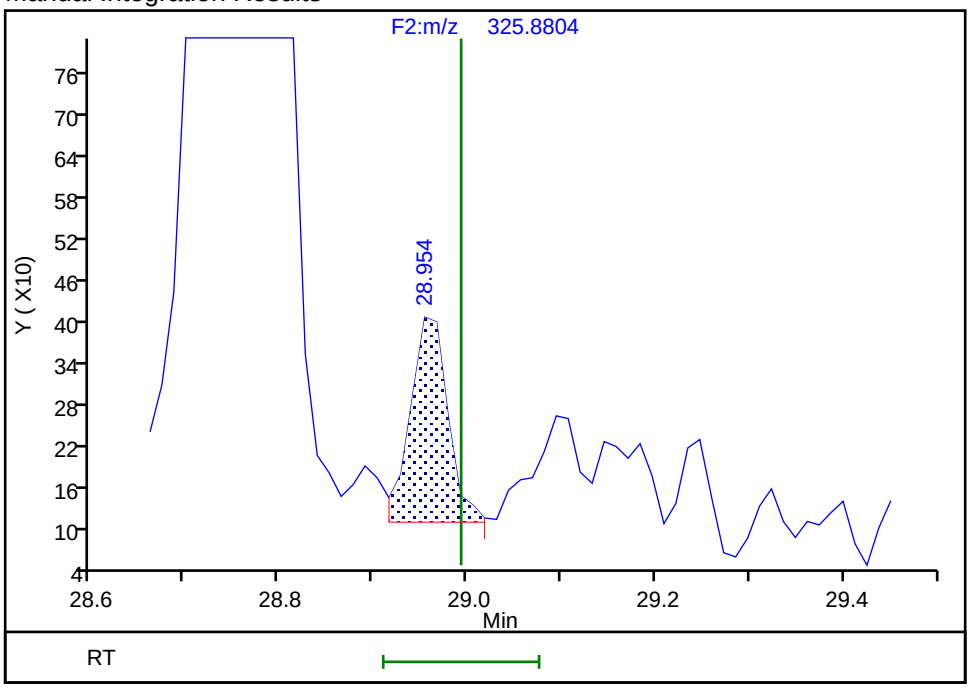
Processing Integration Results

RT: 28.95
Area: 1752
Amount: 0.158096
Amount Units: pg/ul




Manual Integration Results

RT: 28.95
Area: 813
Amount: 0.099948
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:34:21
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

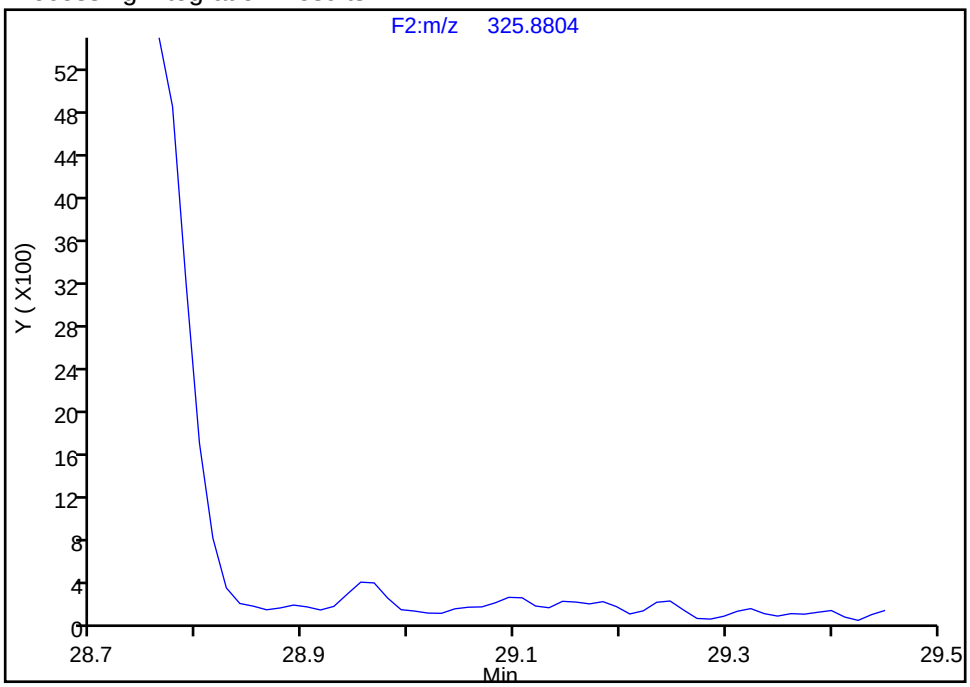
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 1

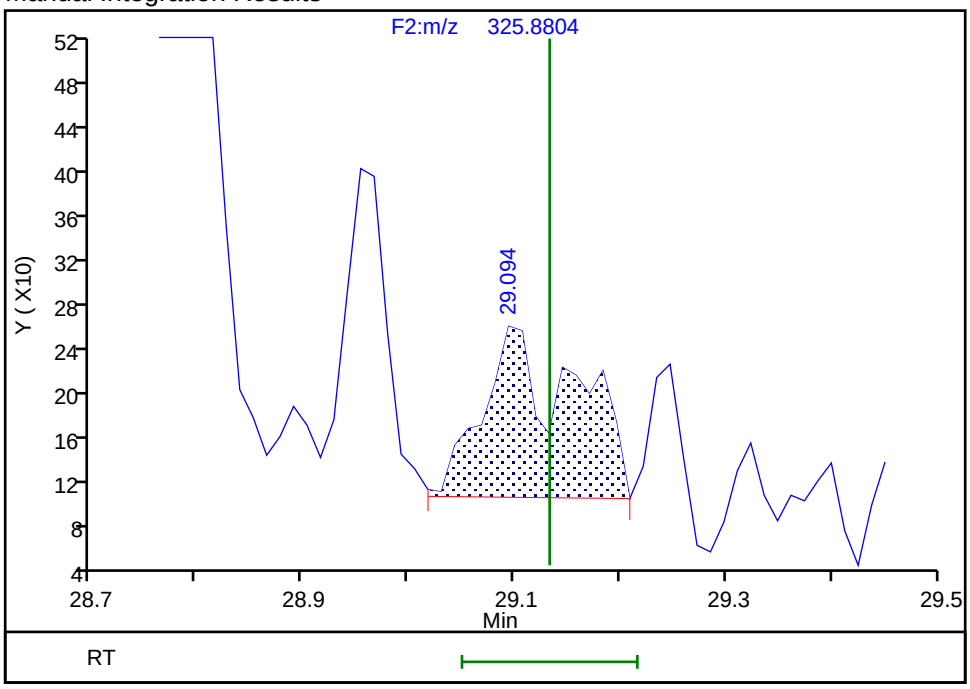
Not Detected
Expected RT: 29.13

Processing Integration Results




Manual Integration Results

RT: 29.09
Area: 932
Amount: 0.133206
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:34:29
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

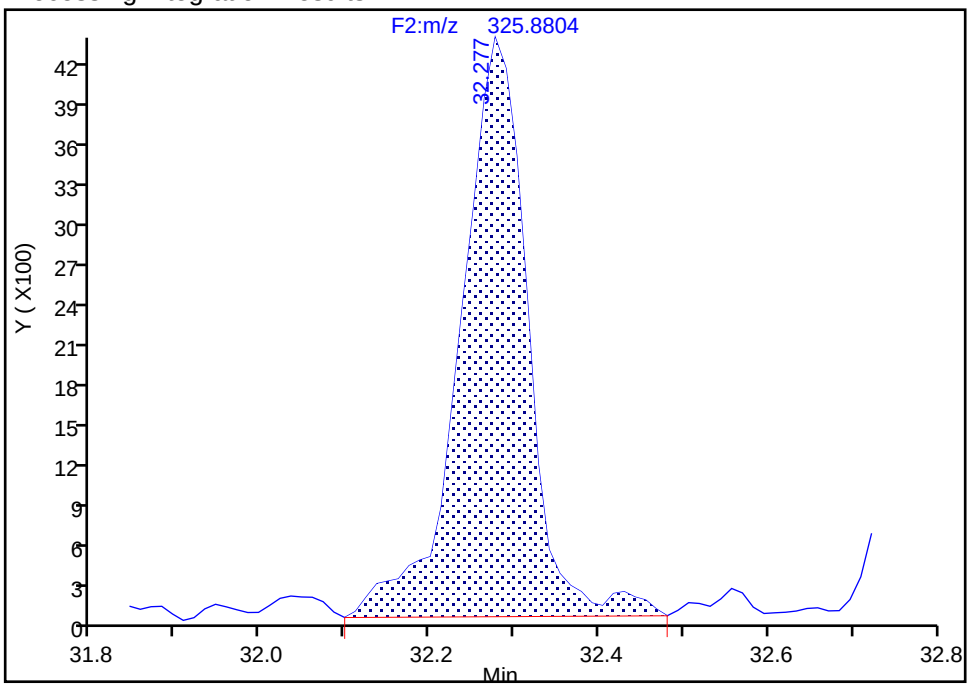
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

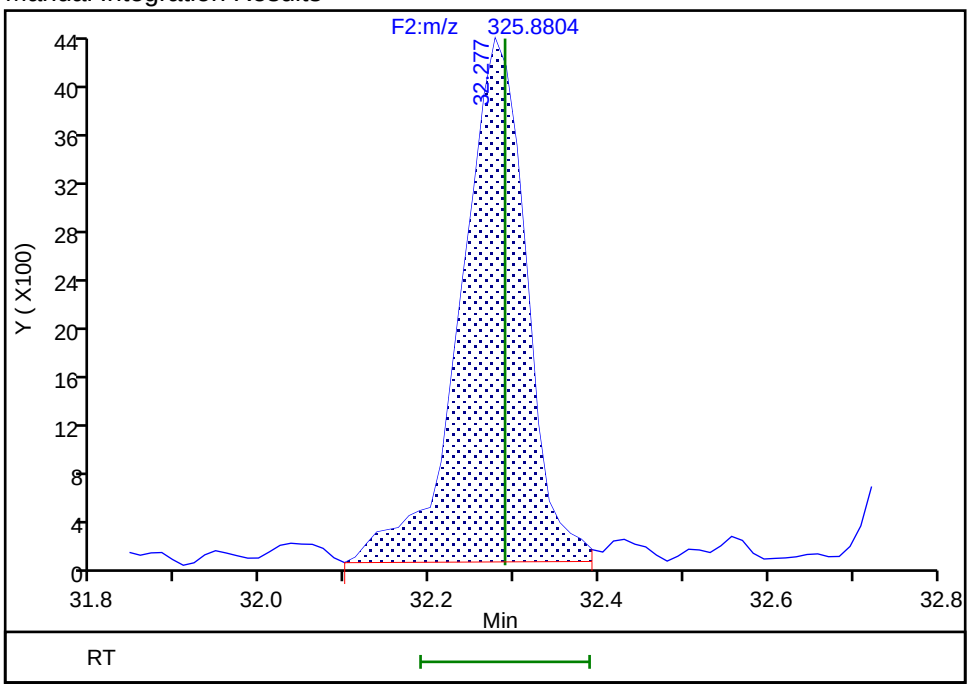
Processing Integration Results

RT: 32.28
Area: 23734
Amount: 2.516936
Amount Units: pg/ul




Manual Integration Results

RT: 32.28
Area: 23141
Amount: 2.469483
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:34:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

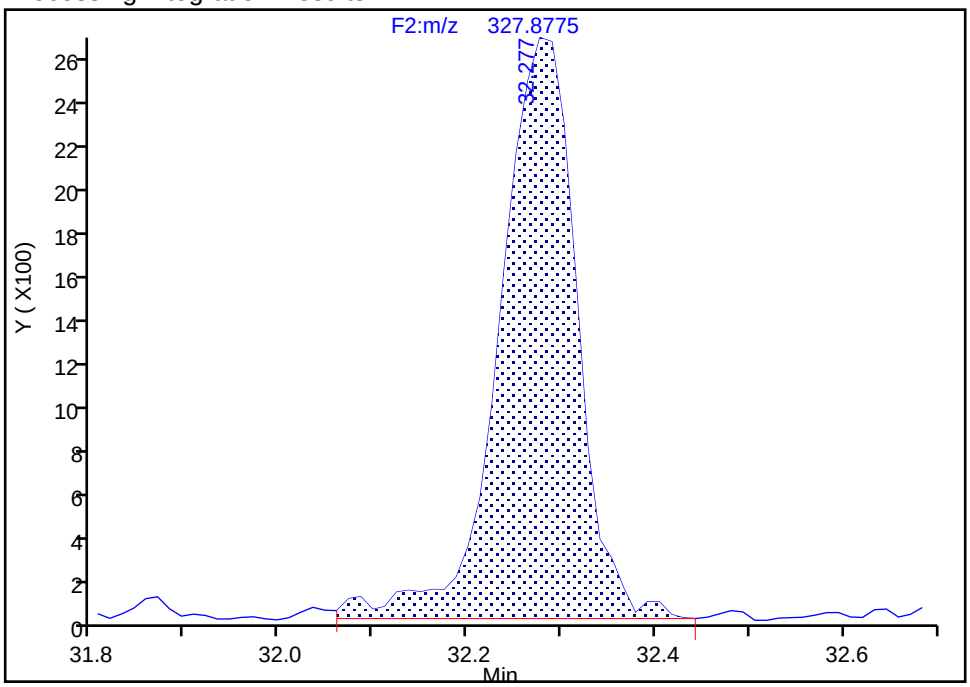
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

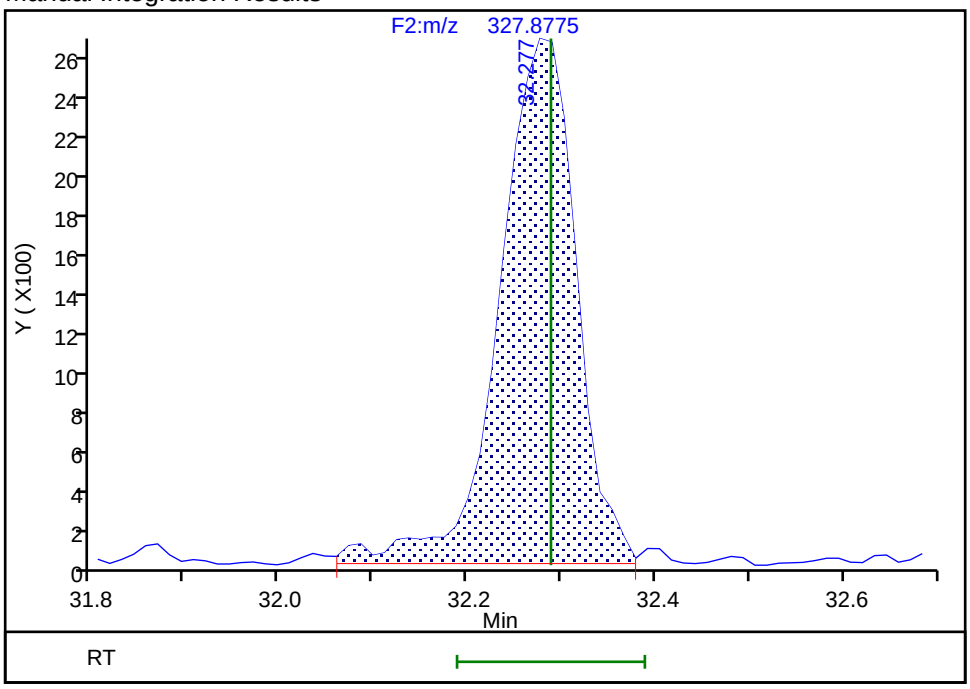
Processing Integration Results

RT: 32.28
Area: 15198
Amount: 2.516936
Amount Units: pg/ul




Manual Integration Results

RT: 32.28
Area: 15057
Amount: 2.469483
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:34:57

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

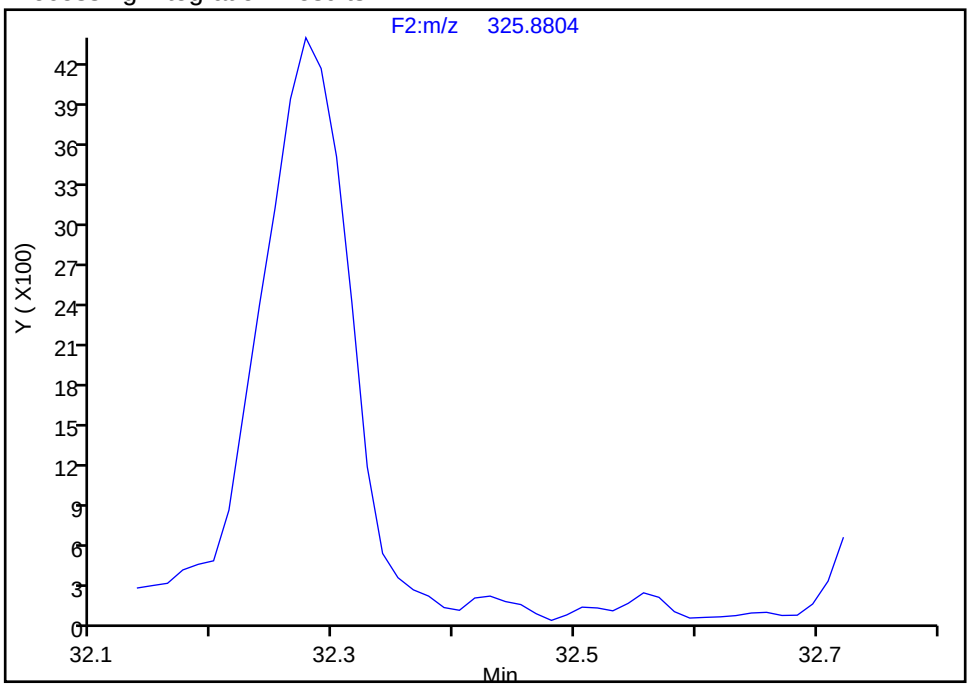
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-112, CAS: 74472-36-9

Signal: 1

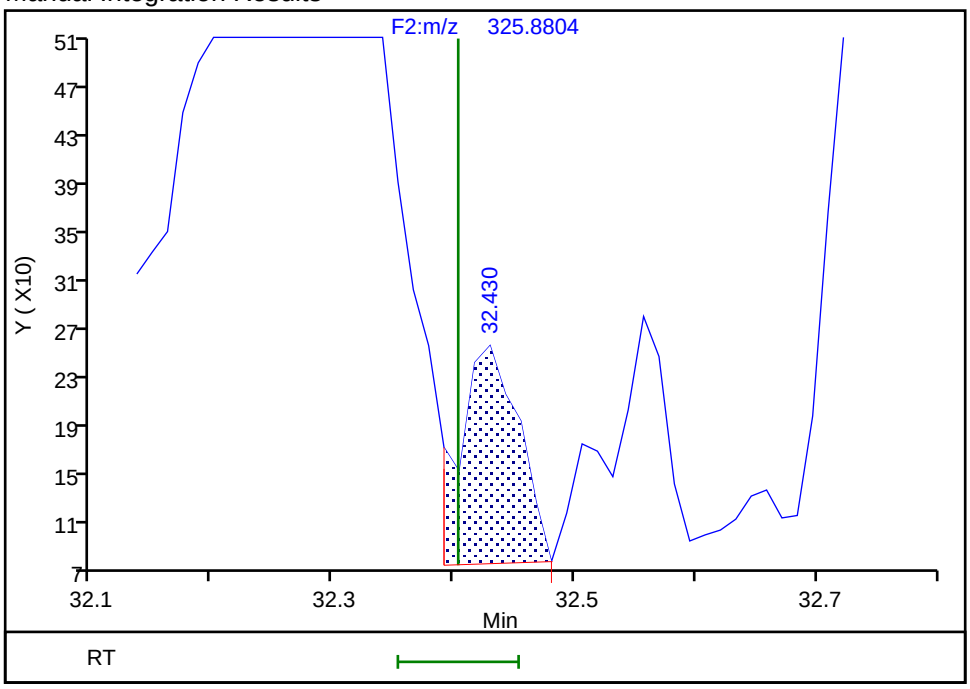
Not Detected
Expected RT: 32.40

Processing Integration Results




Manual Integration Results

RT: 32.43
Area: 592
Amount: 0.032558
Amount Units: pg/ul

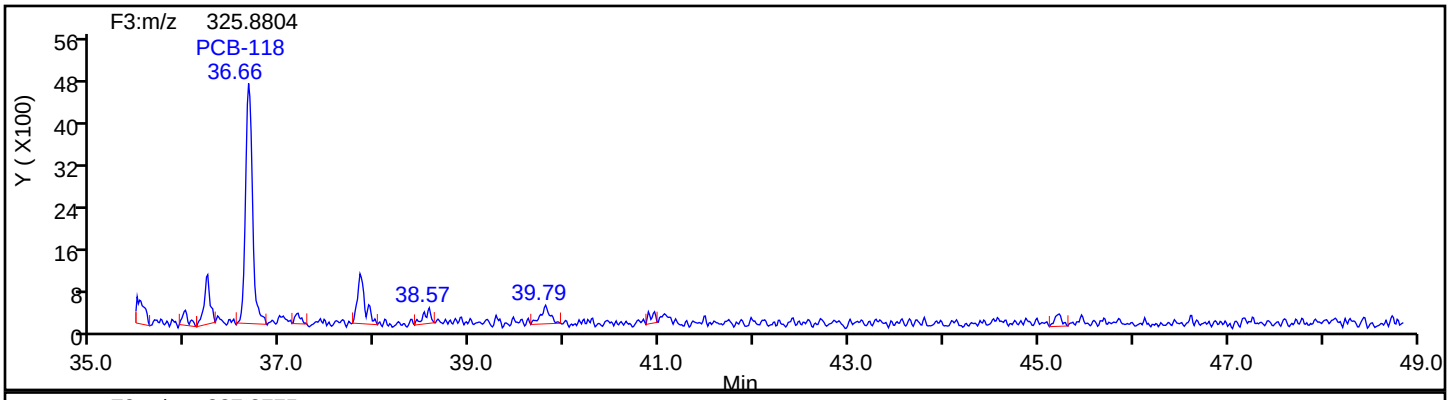


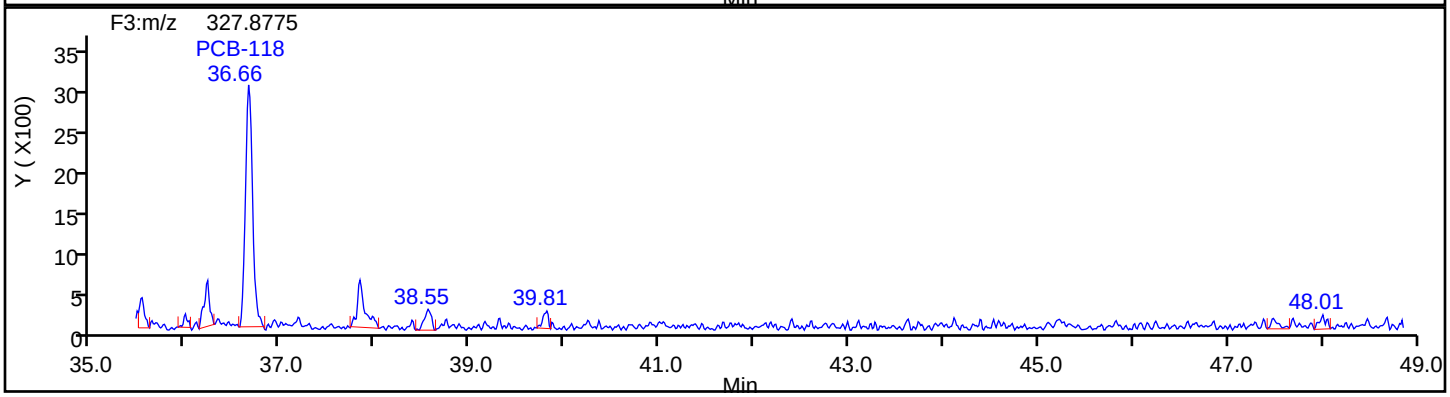

Reviewer: layk, 04-Oct-2019 09:35:02
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

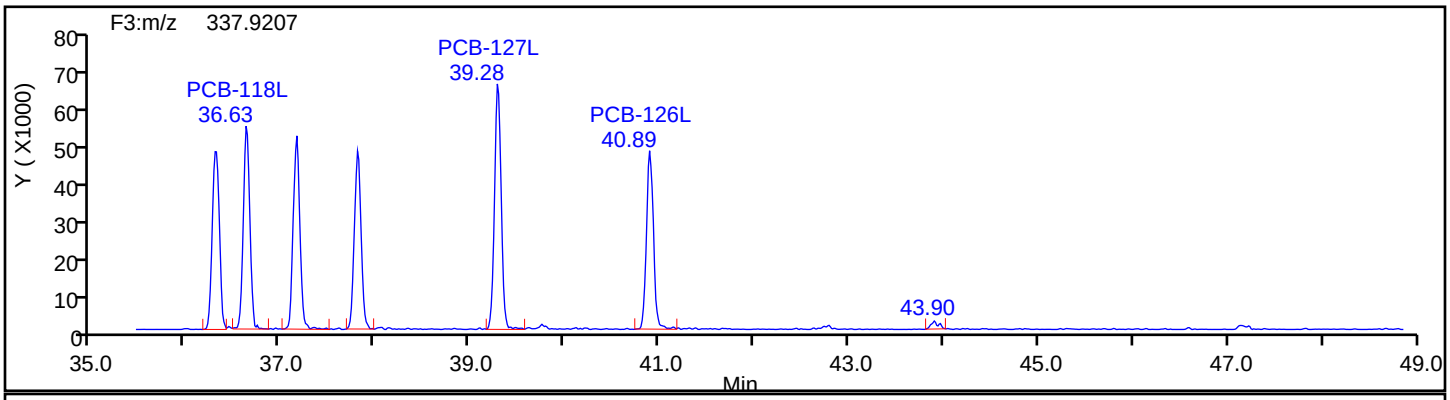
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

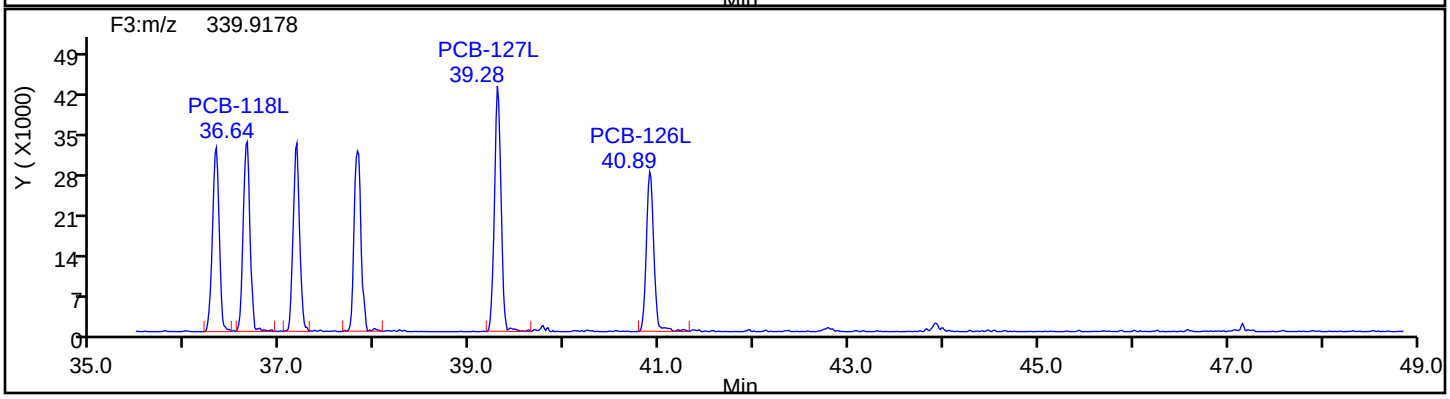
PePCB F3




PePCB F3 Standards

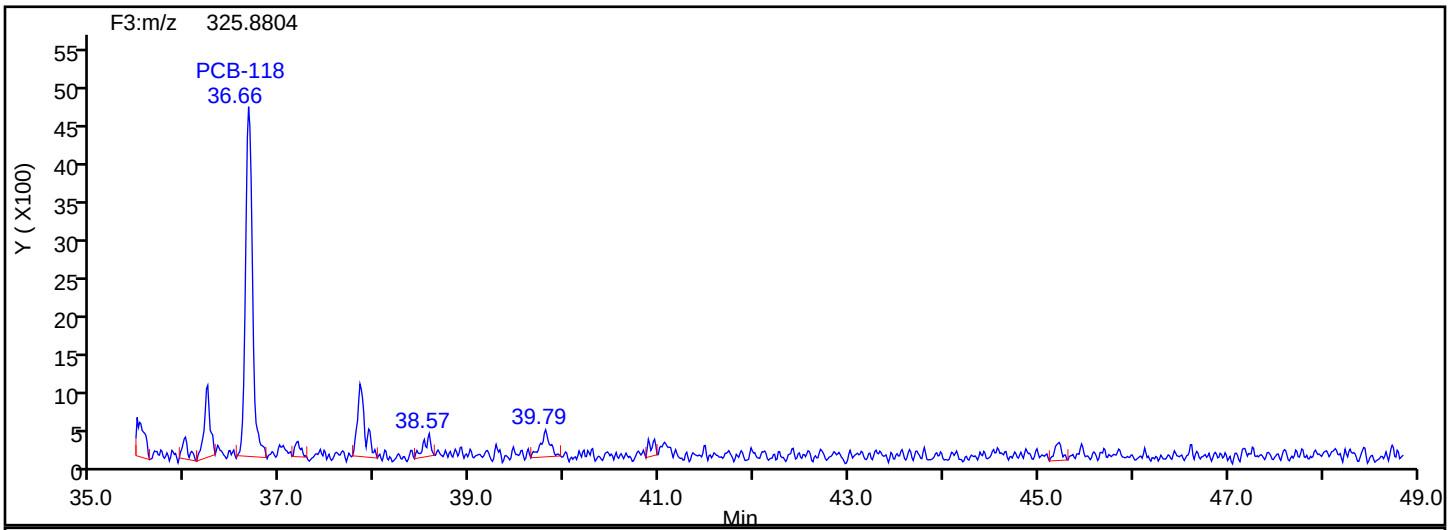


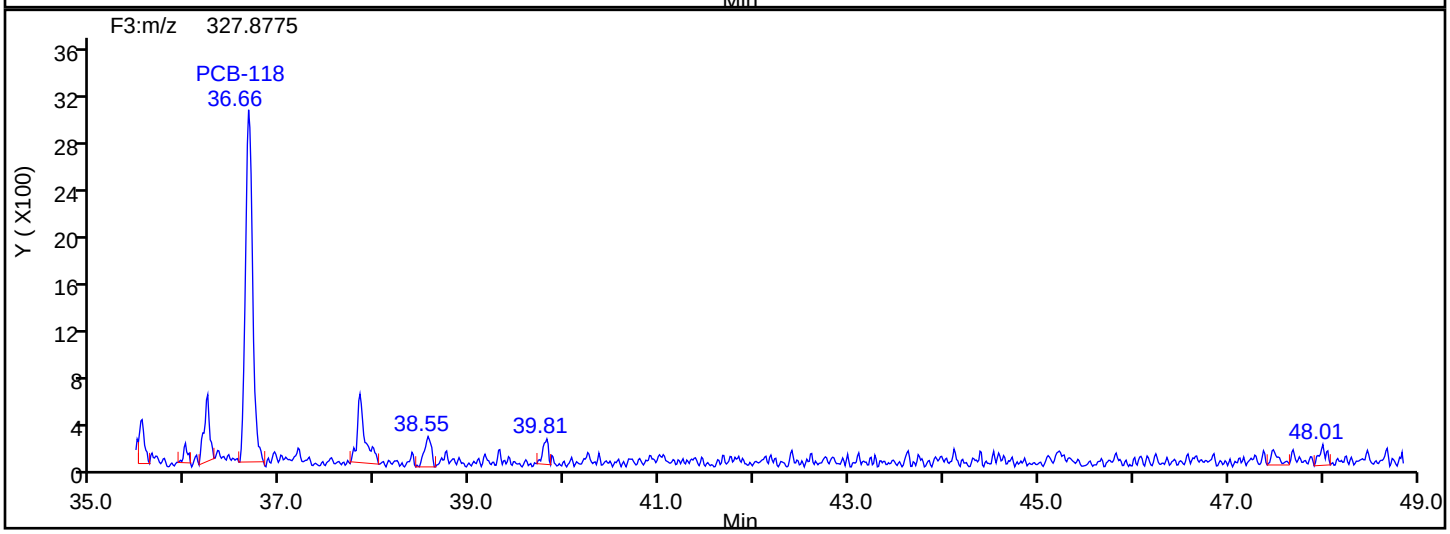



Eurofins TestAmerica, Knoxville

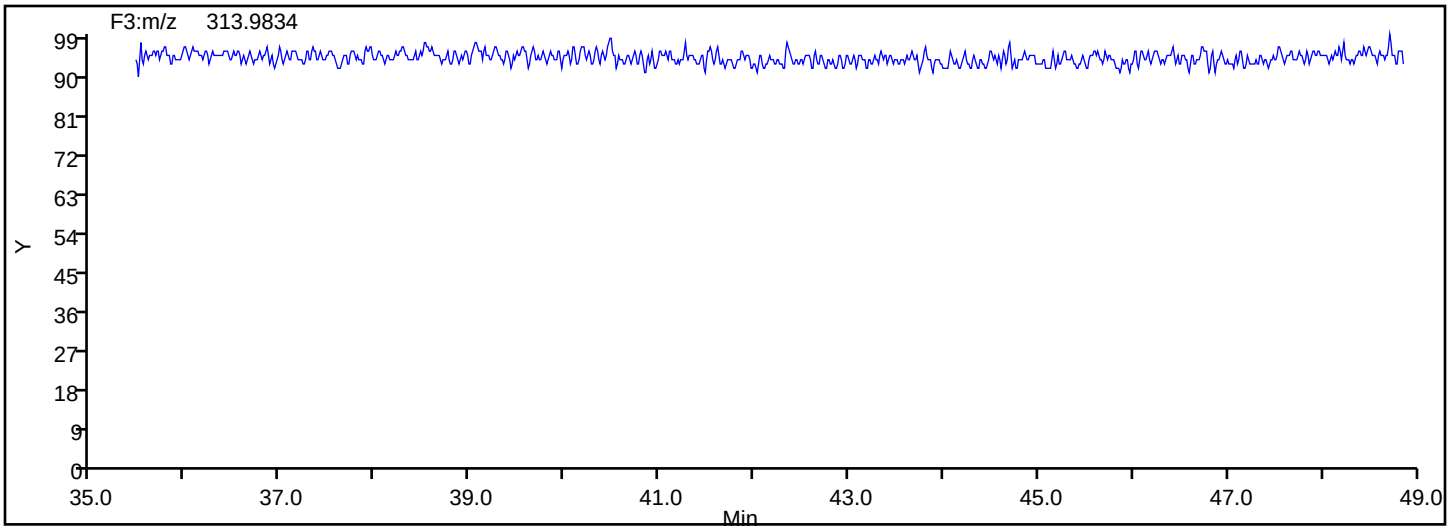
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

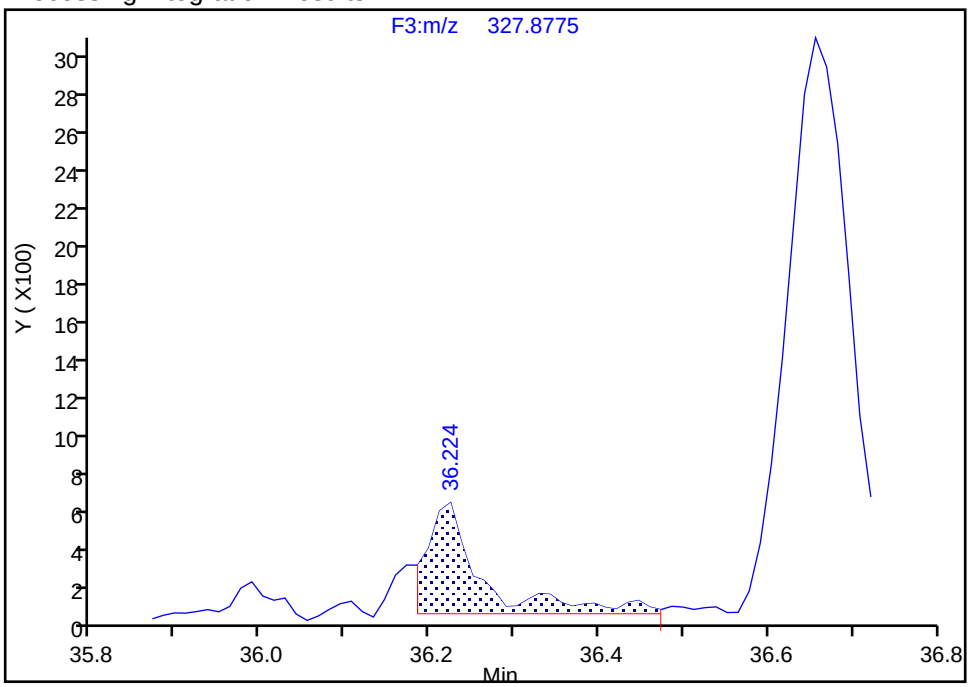
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

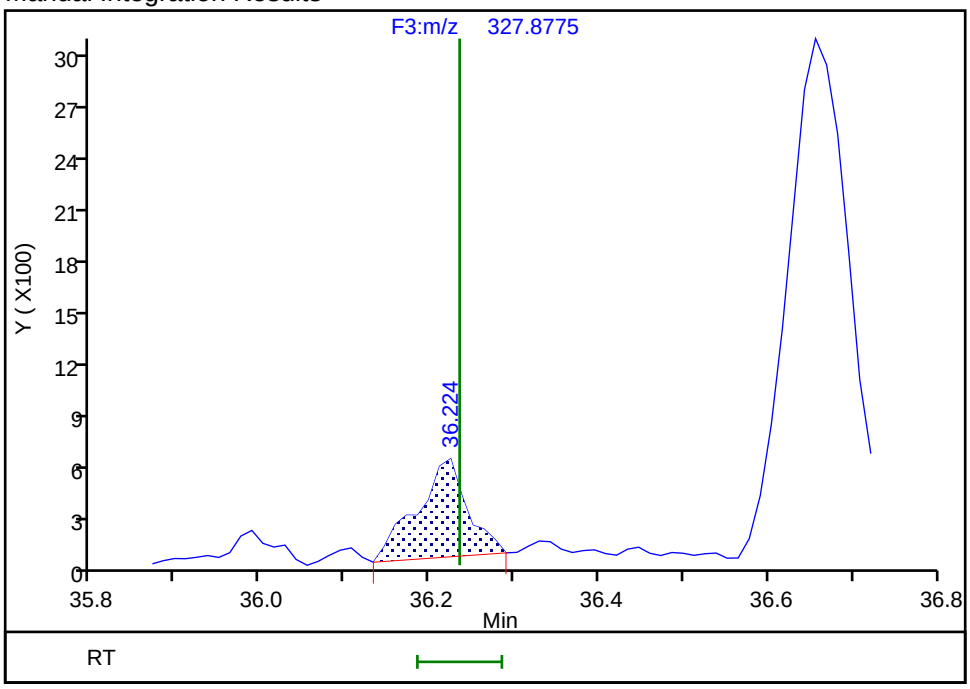
Processing Integration Results

RT: 36.22
Area: 2480
Amount: 0.234638
Amount Units: pg/ul




Manual Integration Results

RT: 36.22
Area: 2296
Amount: 0.228104
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:35:56

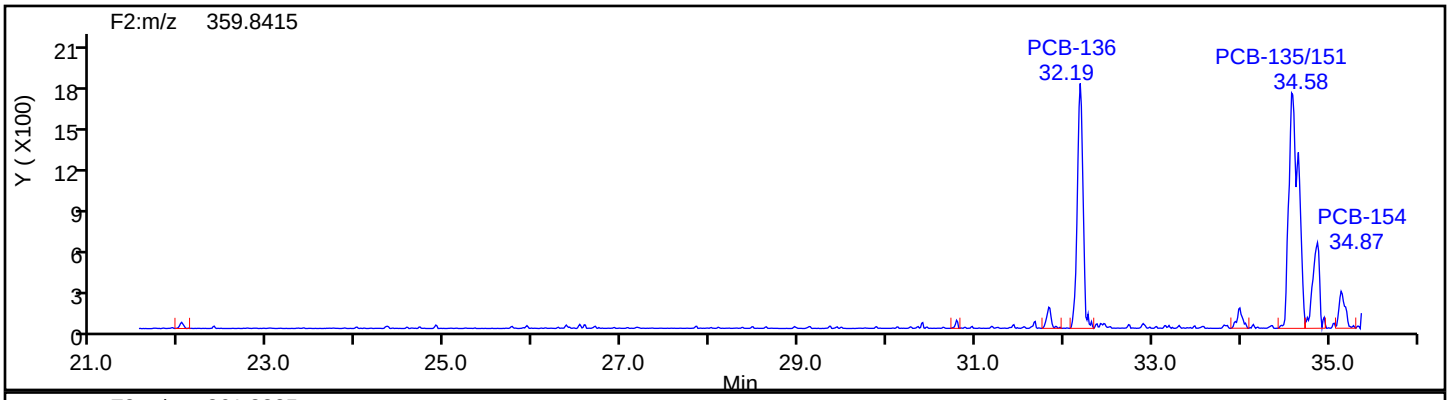
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

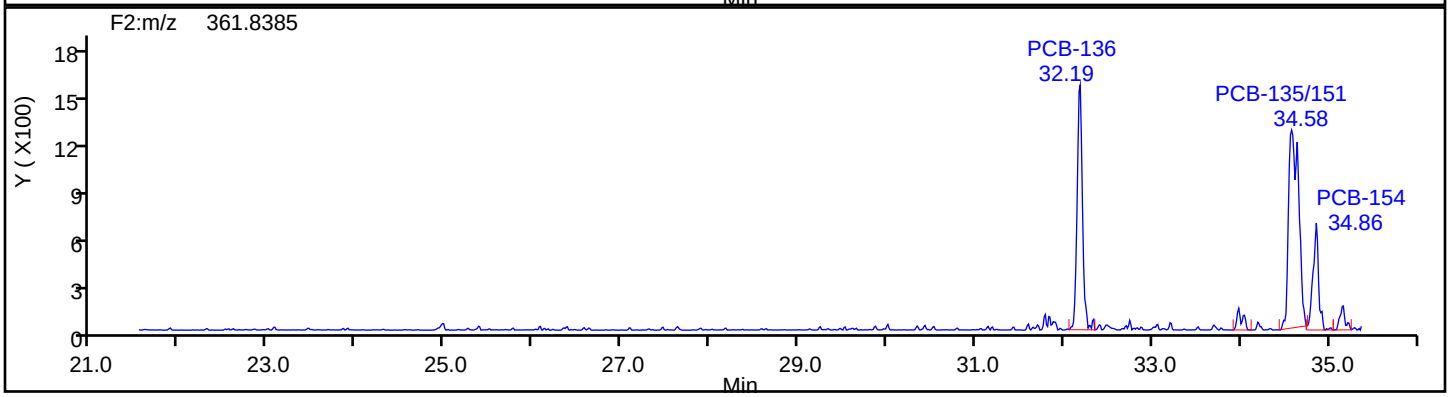
Report Date: 04-Oct-2019 14:05:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

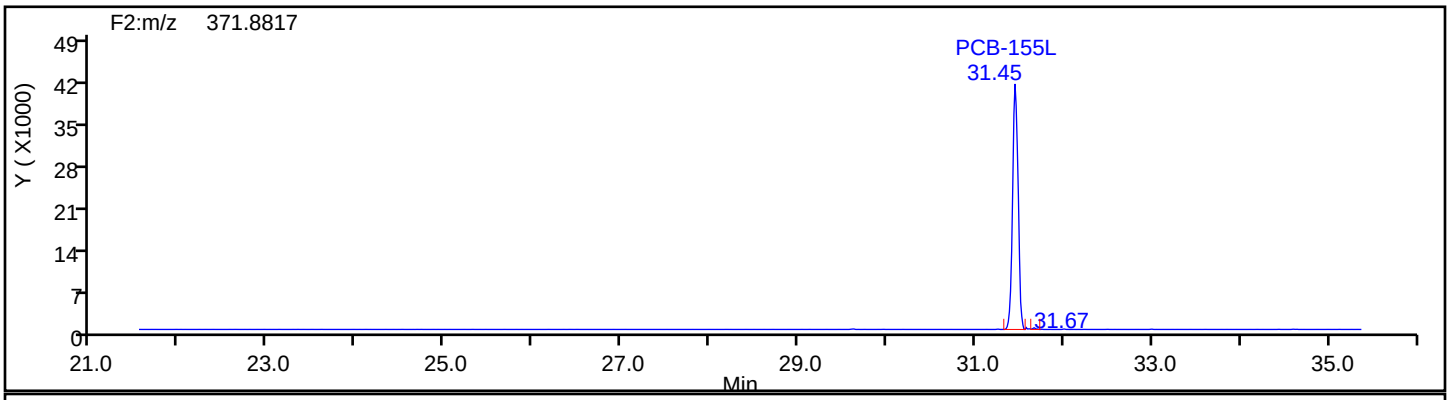
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

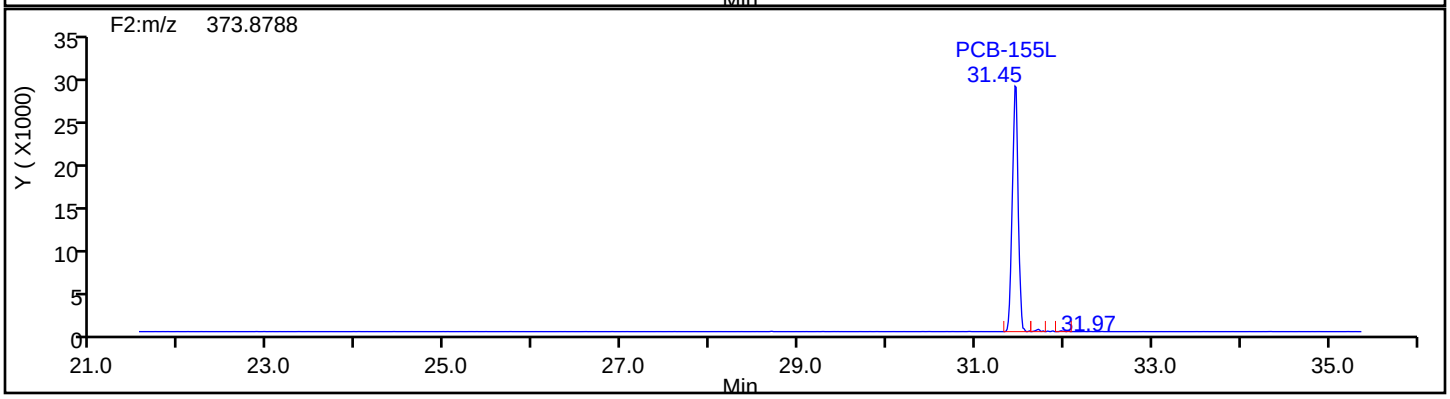
HxPCB F2




HxPCB F2 Standards

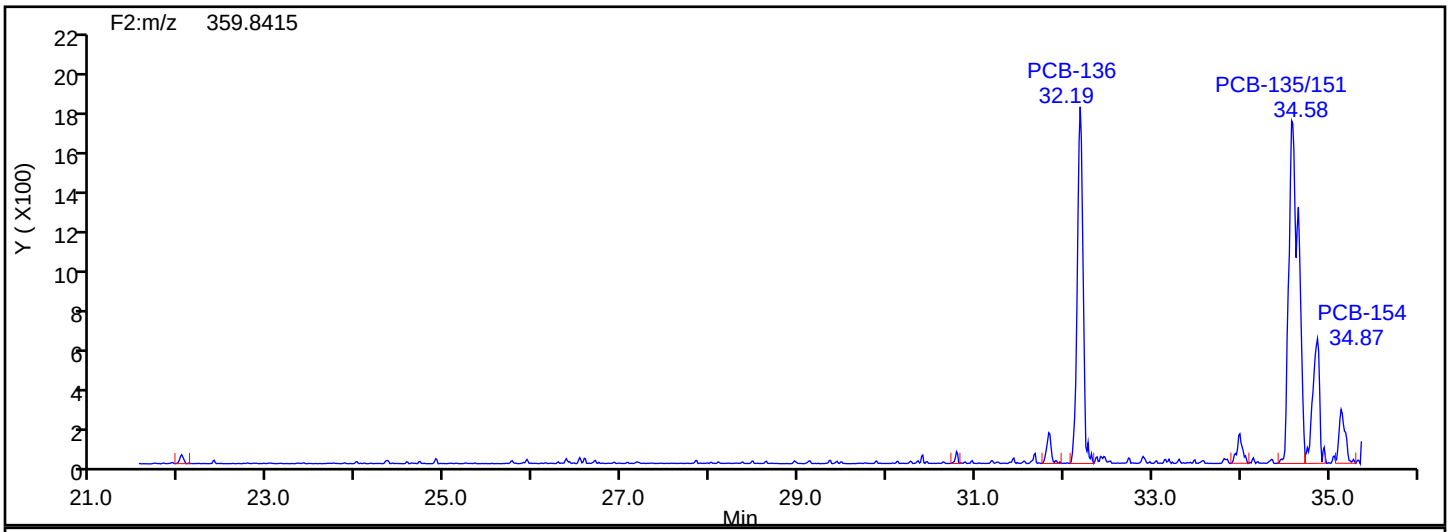


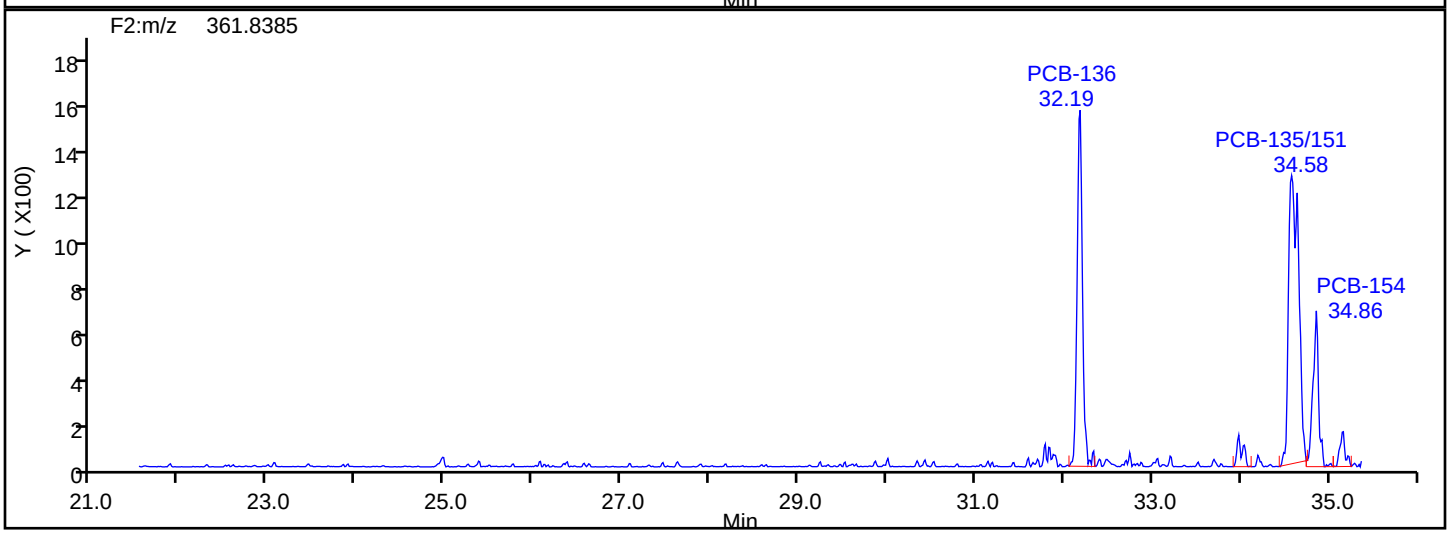



Eurofins TestAmerica, Knoxville

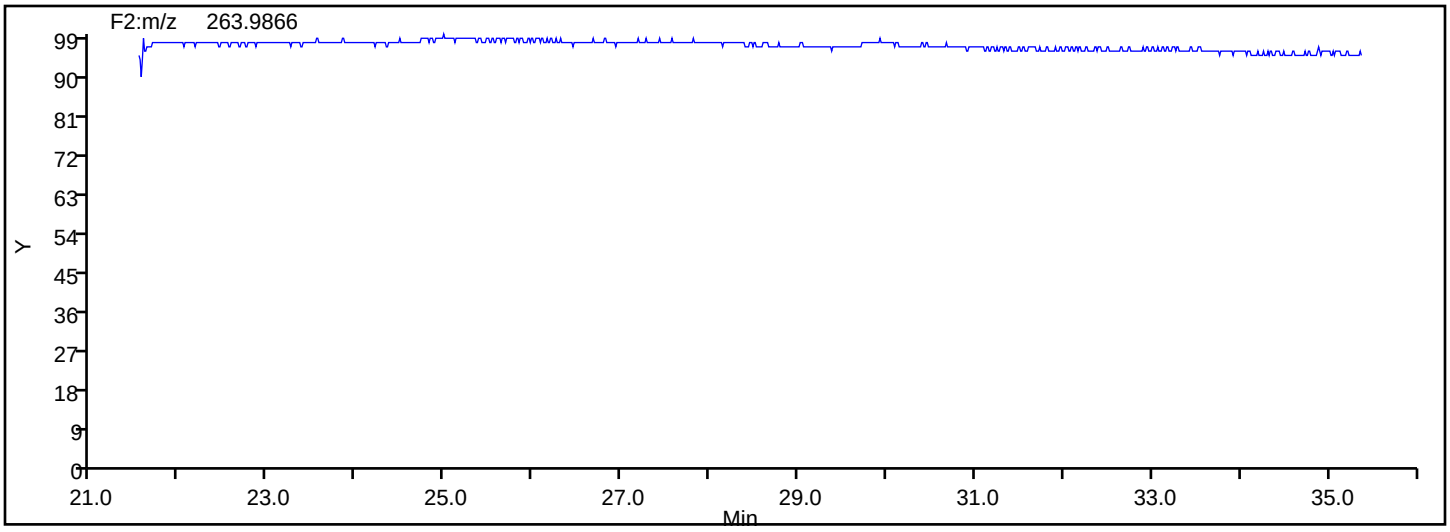
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

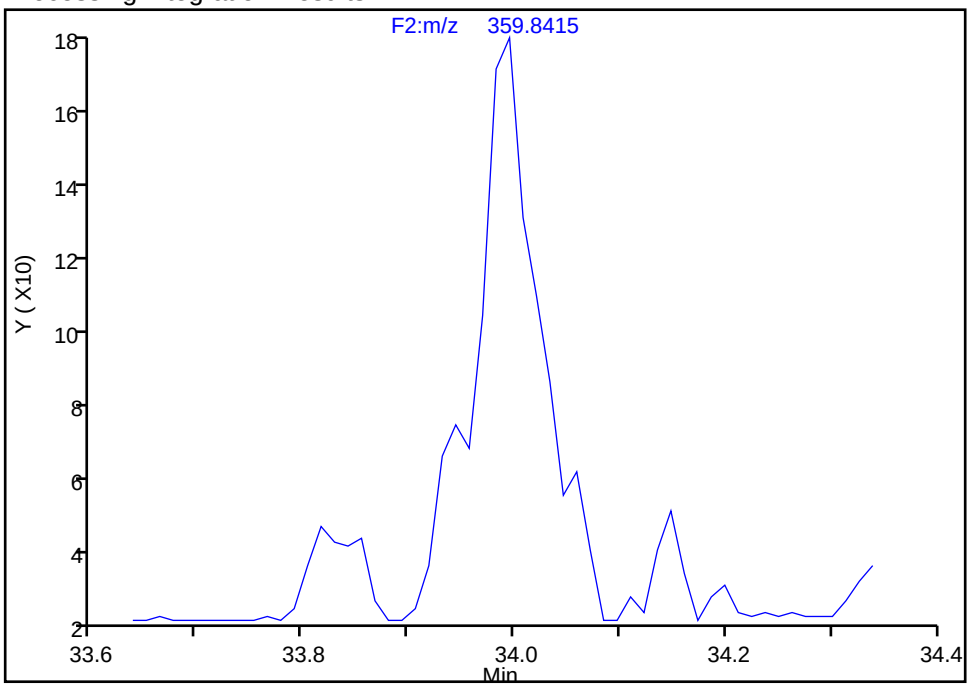
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-148, CAS: 74472-41-6

Signal: 1

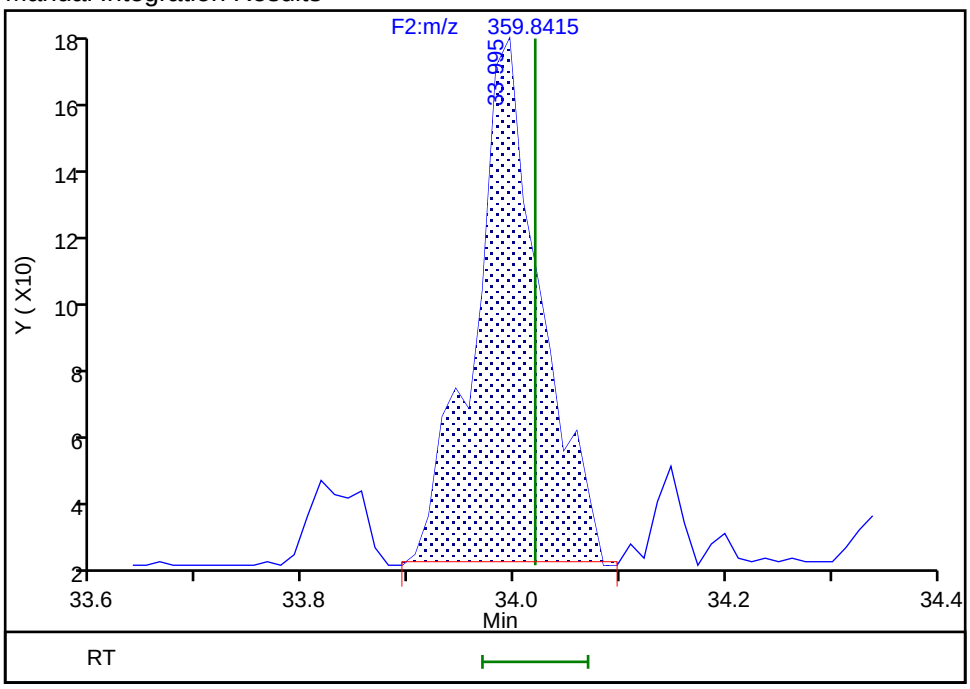
Not Detected
Expected RT: 34.02

Processing Integration Results




Manual Integration Results

RT: 34.00
Area: 641
Amount: 0.086636
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:37:01
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

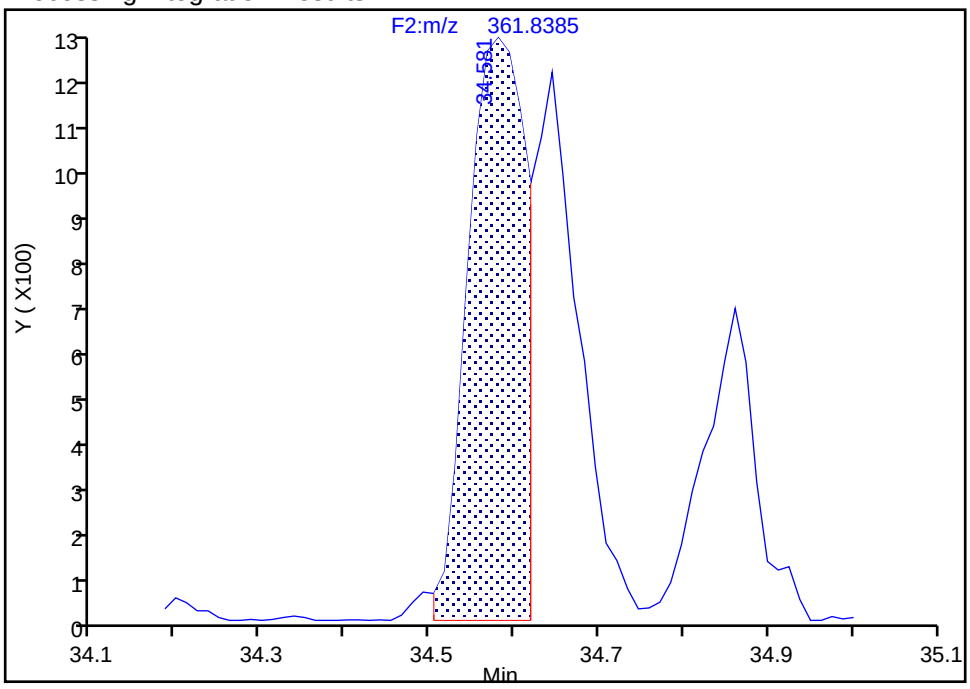
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 2

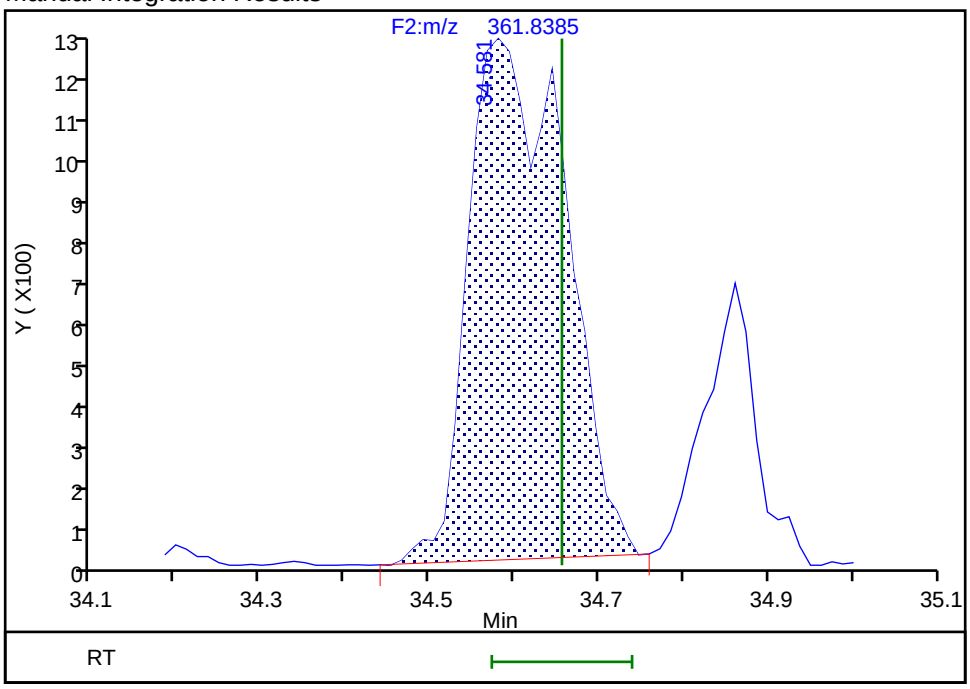
Processing Integration Results

RT: 34.58
Area: 5555
Amount: 1.364974
Amount Units: pg/ul




Manual Integration Results

RT: 34.58
Area: 9577
Amount: 1.659419
Amount Units: pg/ul



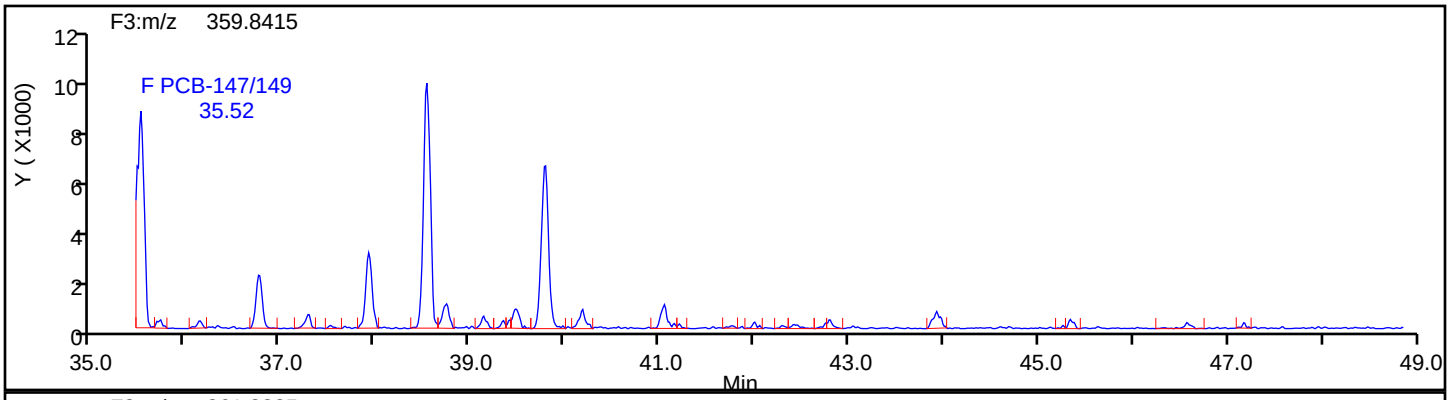

Reviewer: layk, 04-Oct-2019 09:37:17

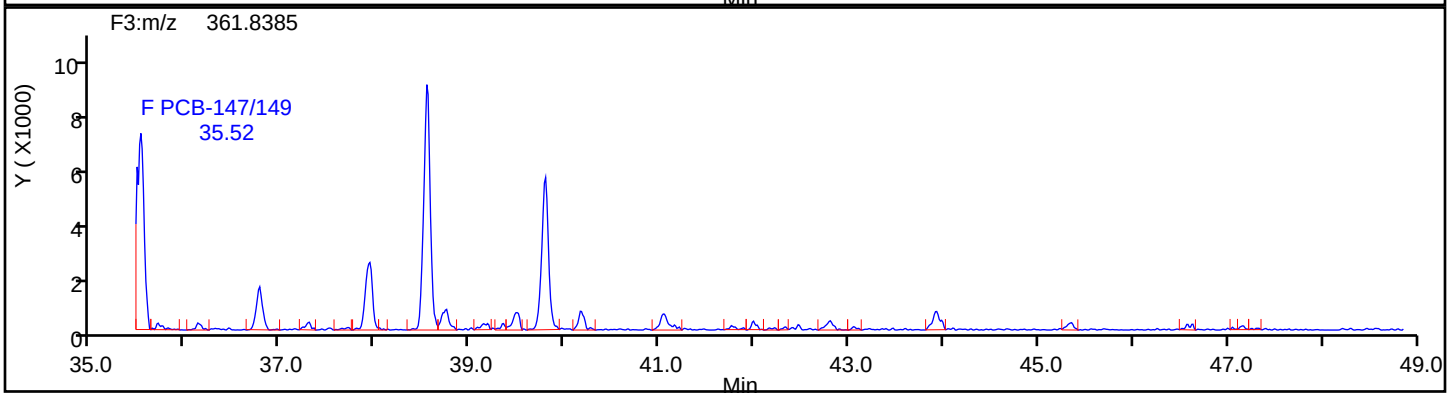
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

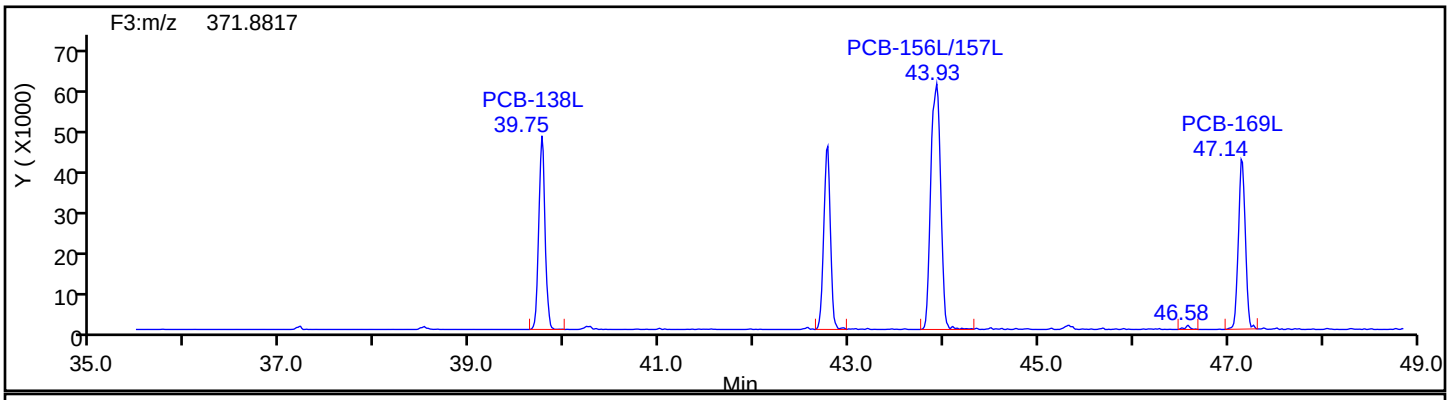
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

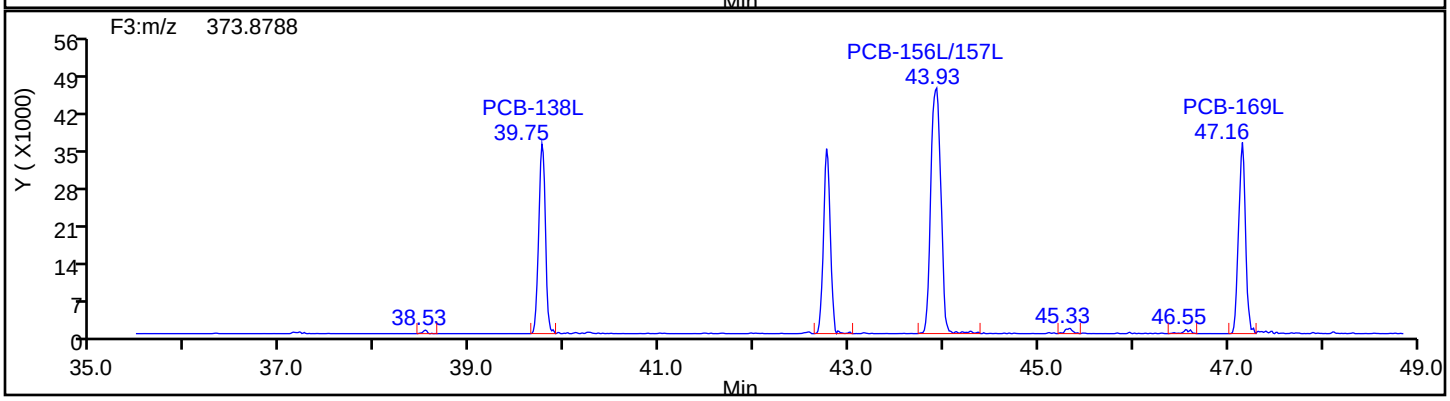
HxPCB F3




HxPCB F3 Standards

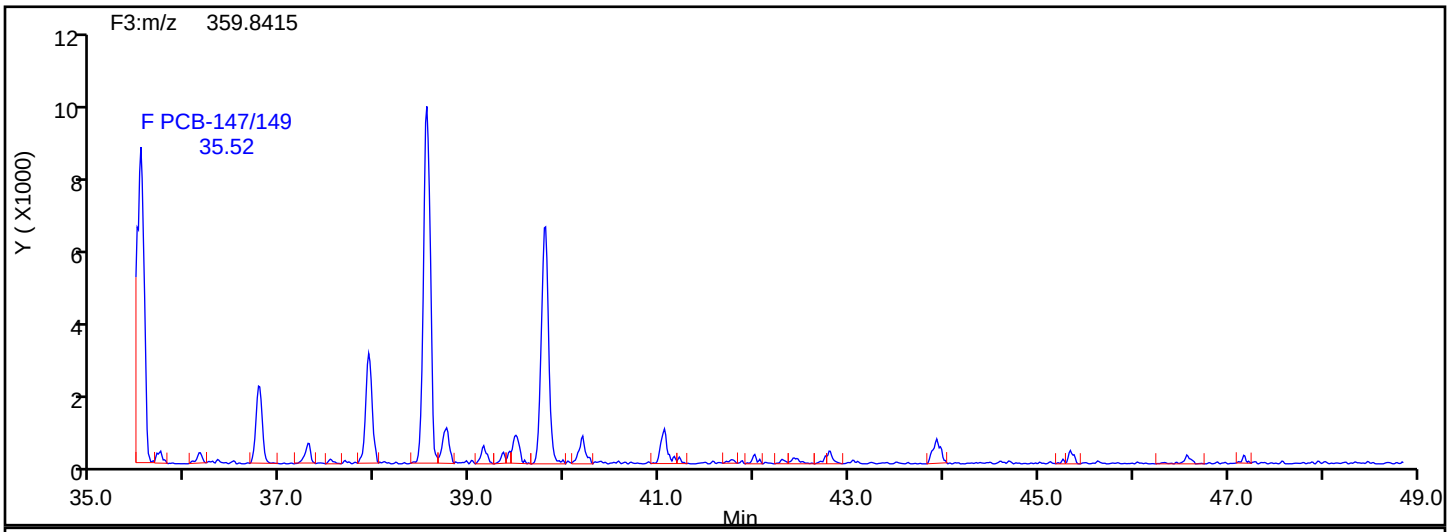


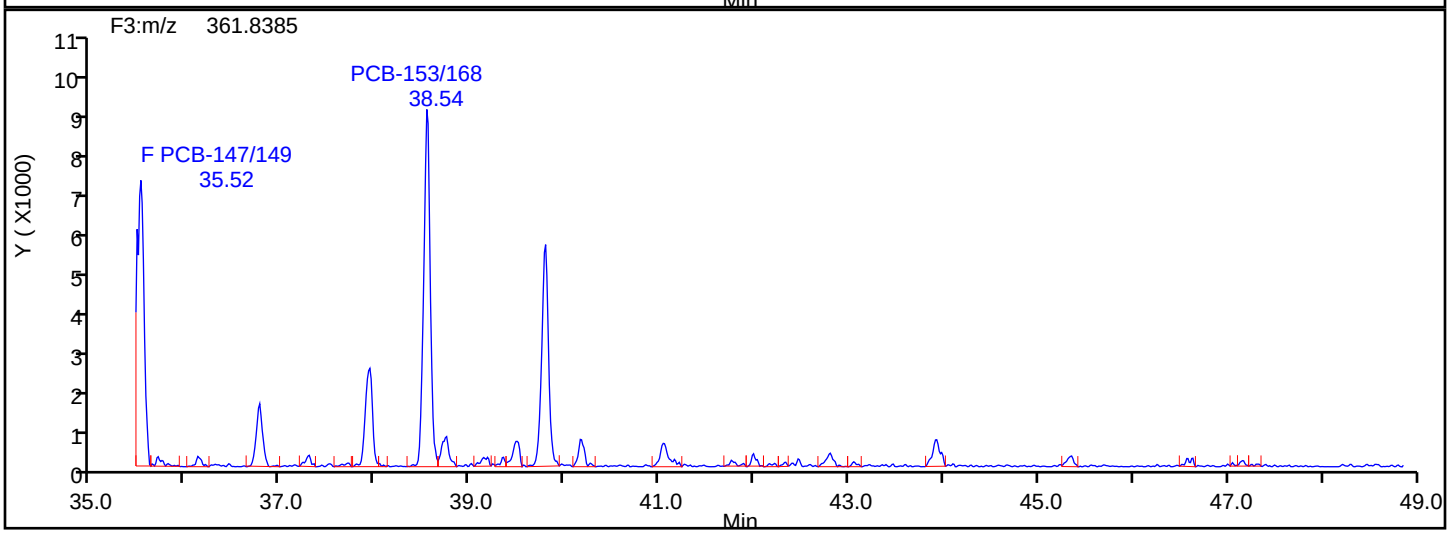



Eurofins TestAmerica, Knoxville

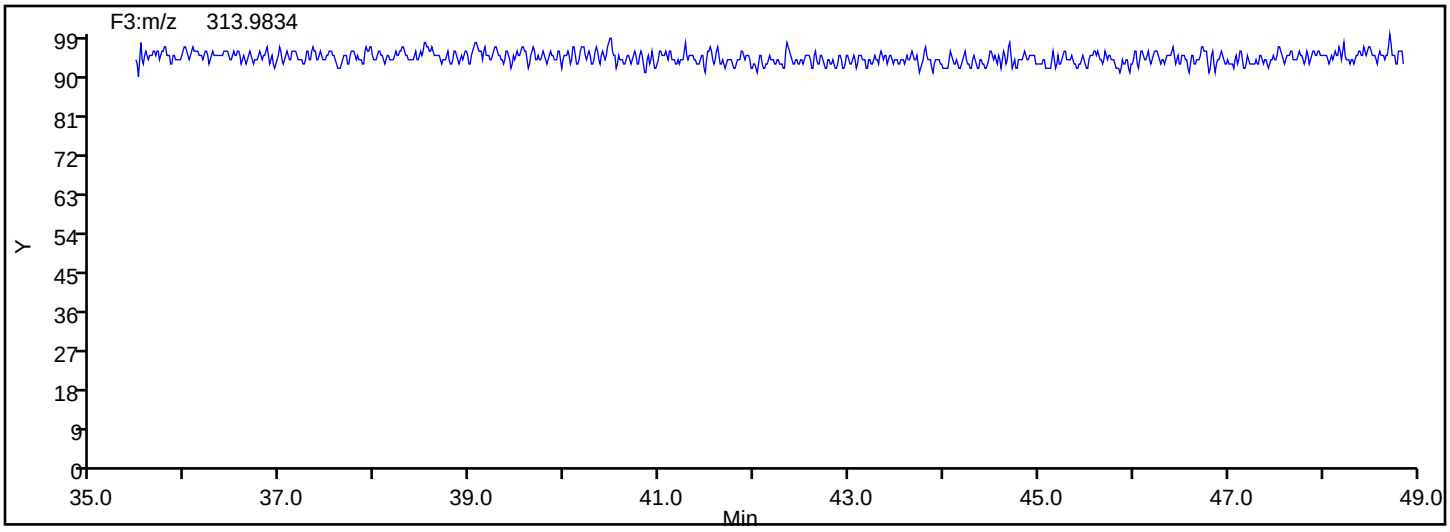
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

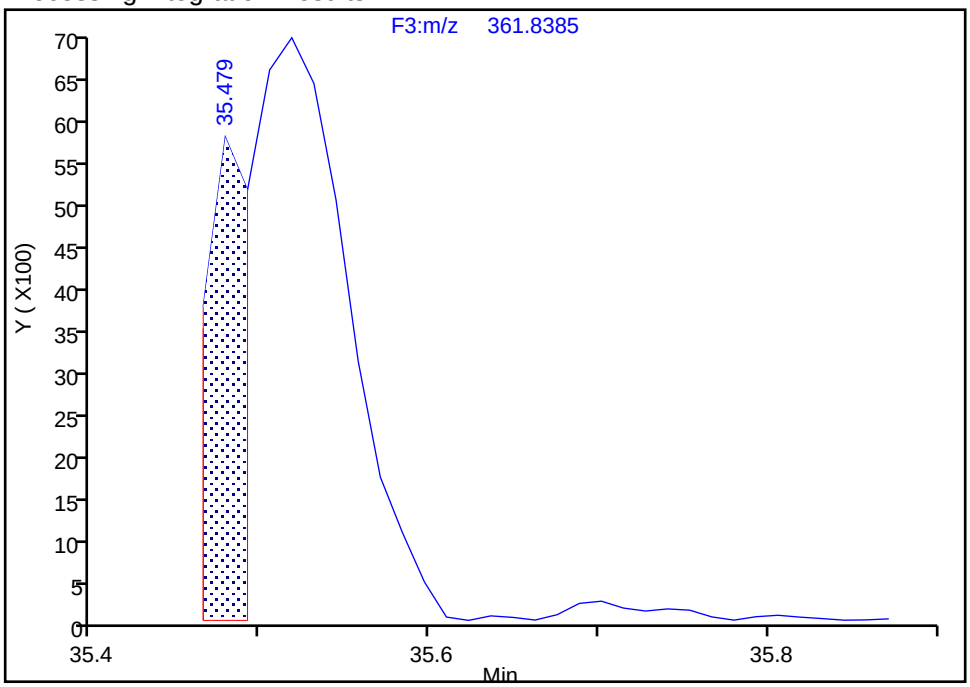
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 2

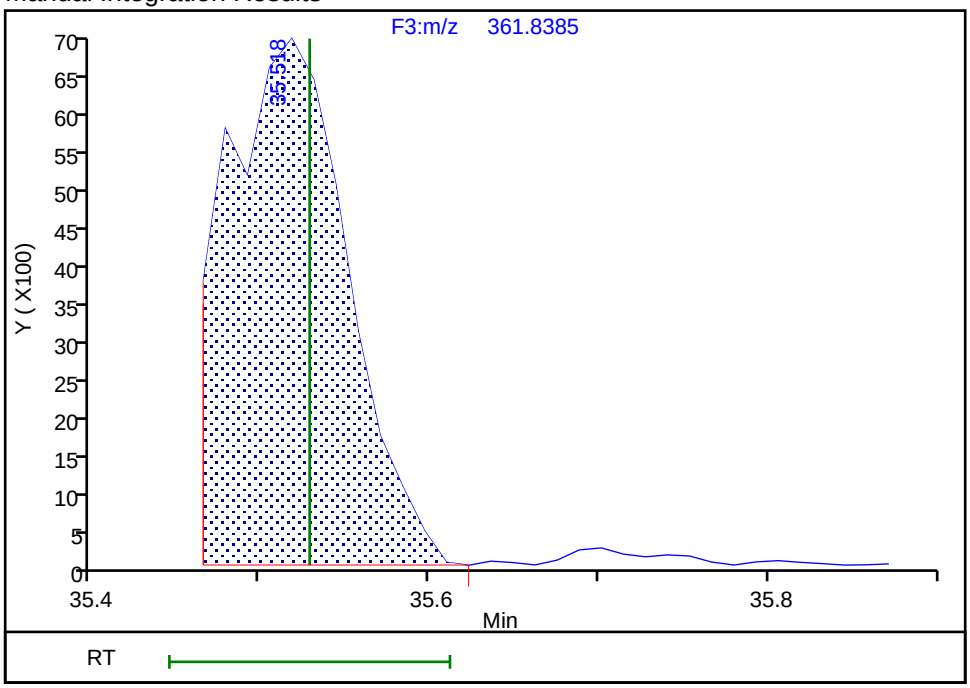
Processing Integration Results

RT: 35.48
Area: 7923
Amount: 0.916079
Amount Units: pg/ul




Manual Integration Results

RT: 35.52
Area: 34157
Amount: 4.027438
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:38:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

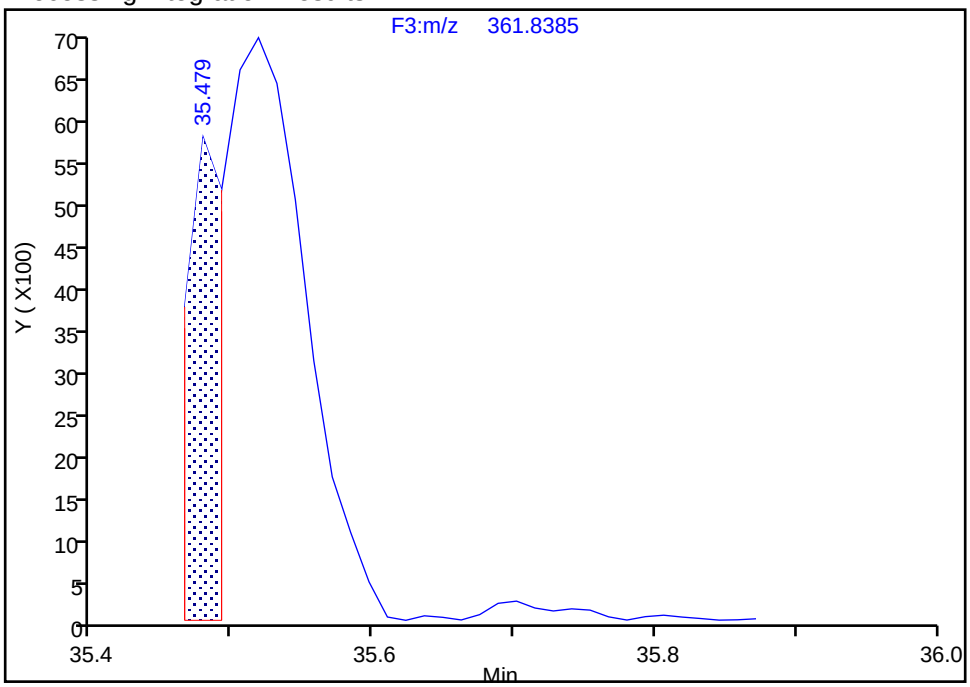
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 3

Processing Integration Results

RT: 35.48
Area: 17657
Amount: 0.916079
Amount Units: pg/ul




Manual Integration Results

RT: 35.52
Area: 77627
Amount: 4.027438
Amount Units: pg/ul
Reviewer: layk, 04-Oct-2019 09:38:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

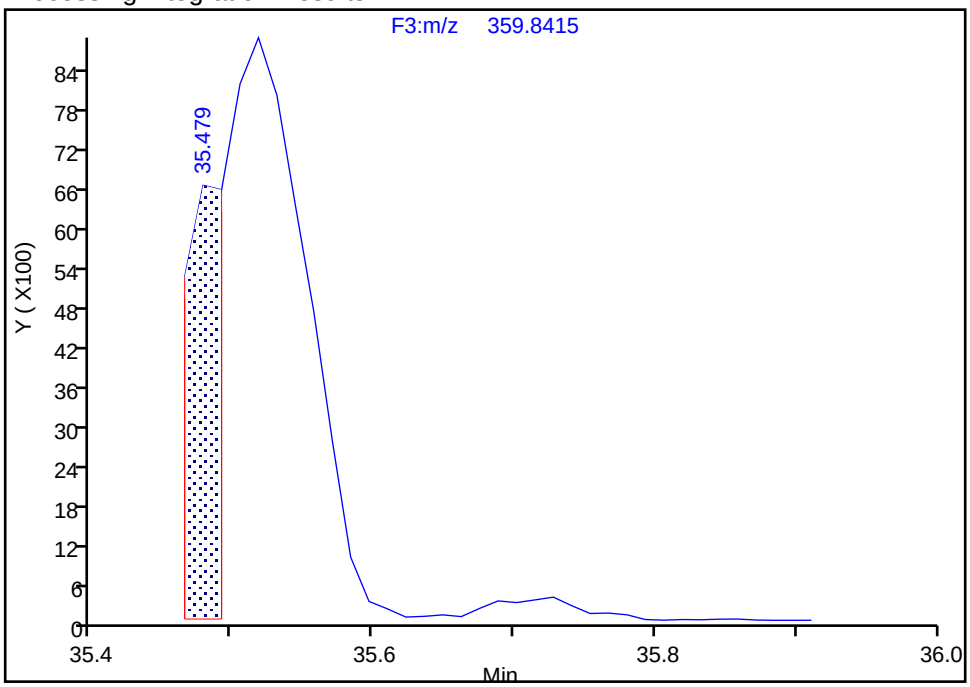
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 1

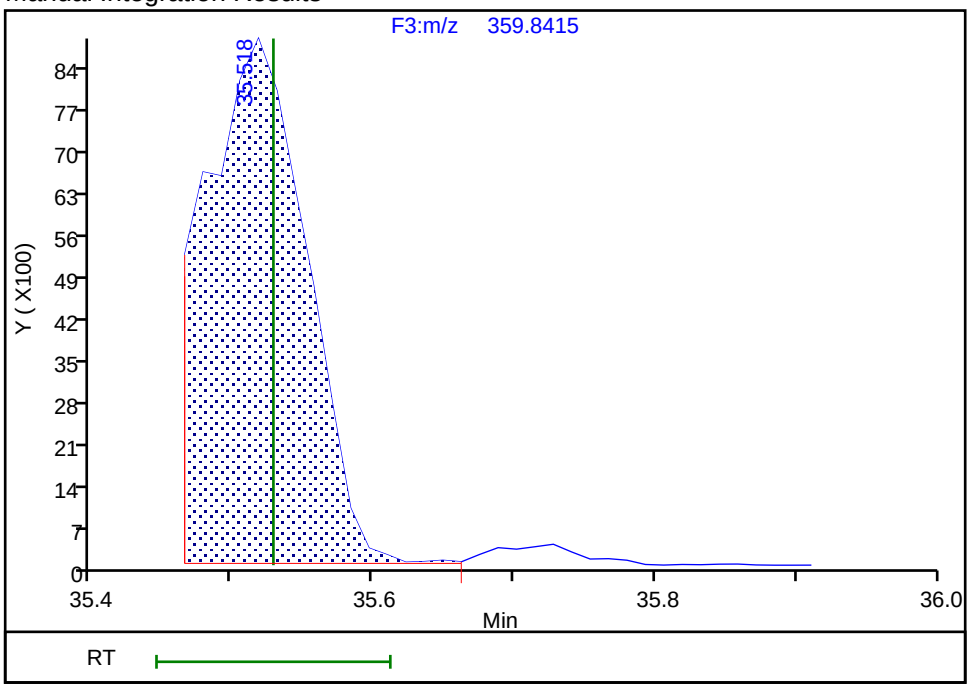
Processing Integration Results

RT: 35.48
Area: 9734
Amount: 0.916079
Amount Units: pg/ul




Manual Integration Results

RT: 35.52
Area: 43470
Amount: 4.027438
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:38:13
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

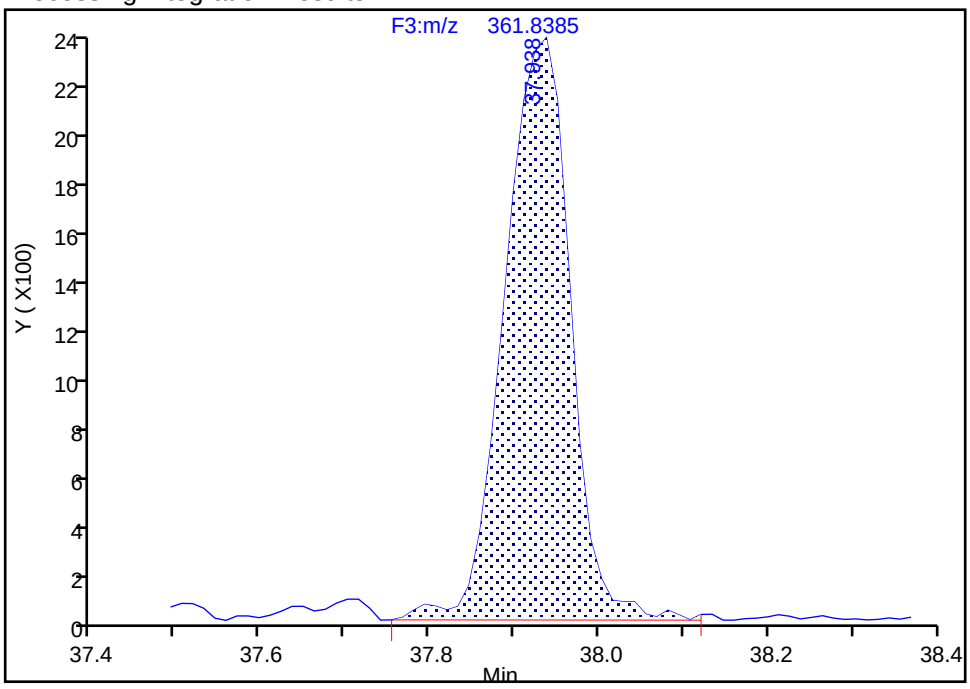
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 2

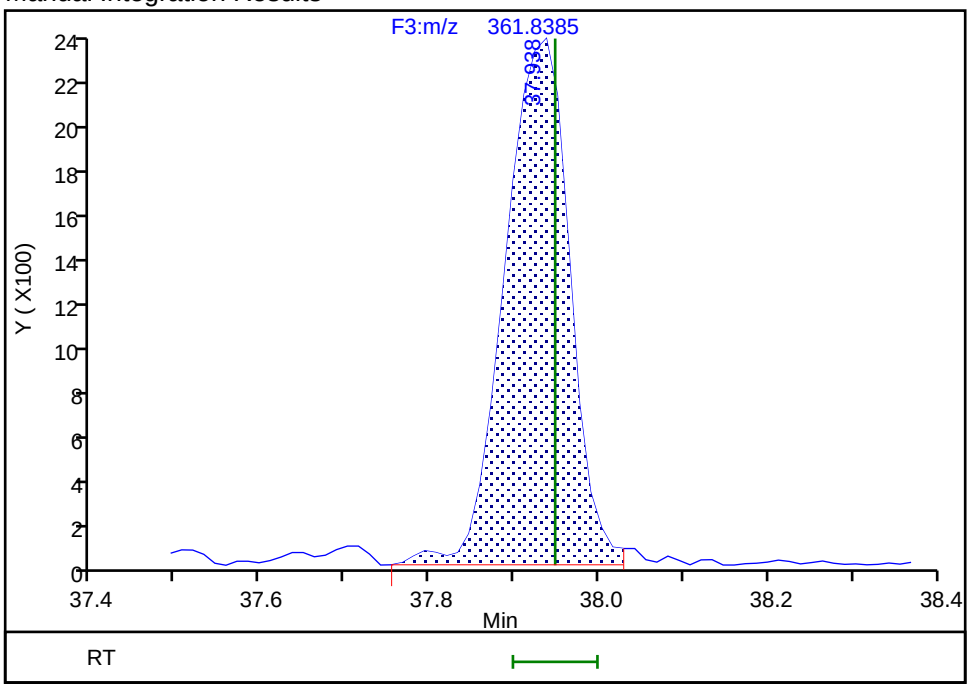
Processing Integration Results

RT: 37.94
Area: 12786
Amount: 1.369420
Amount Units: pg/ul




Manual Integration Results

RT: 37.94
Area: 12607
Amount: 1.360443
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:39:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

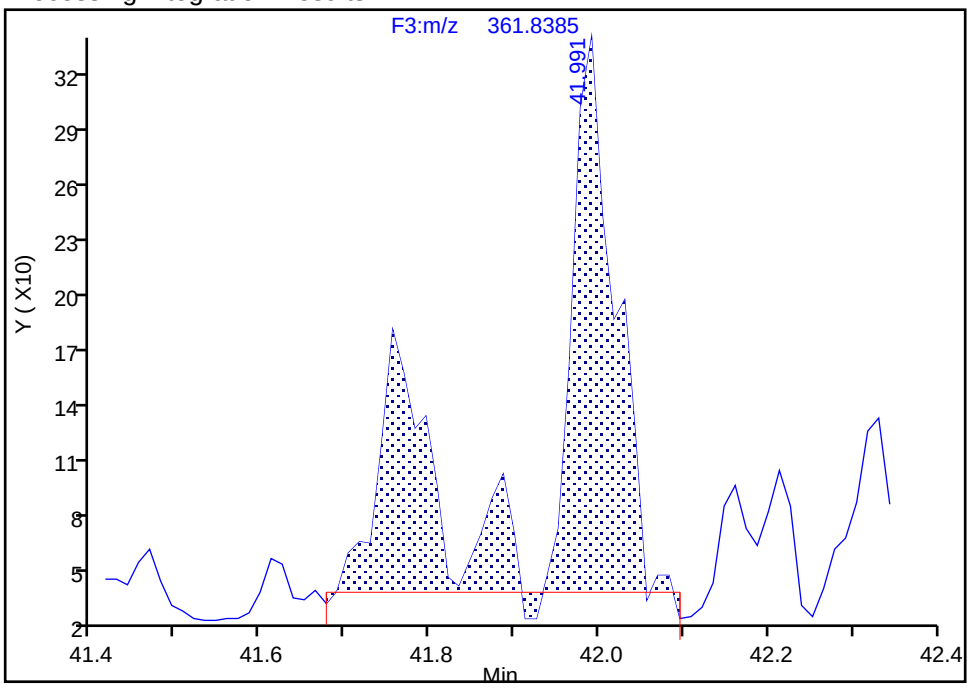
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 2

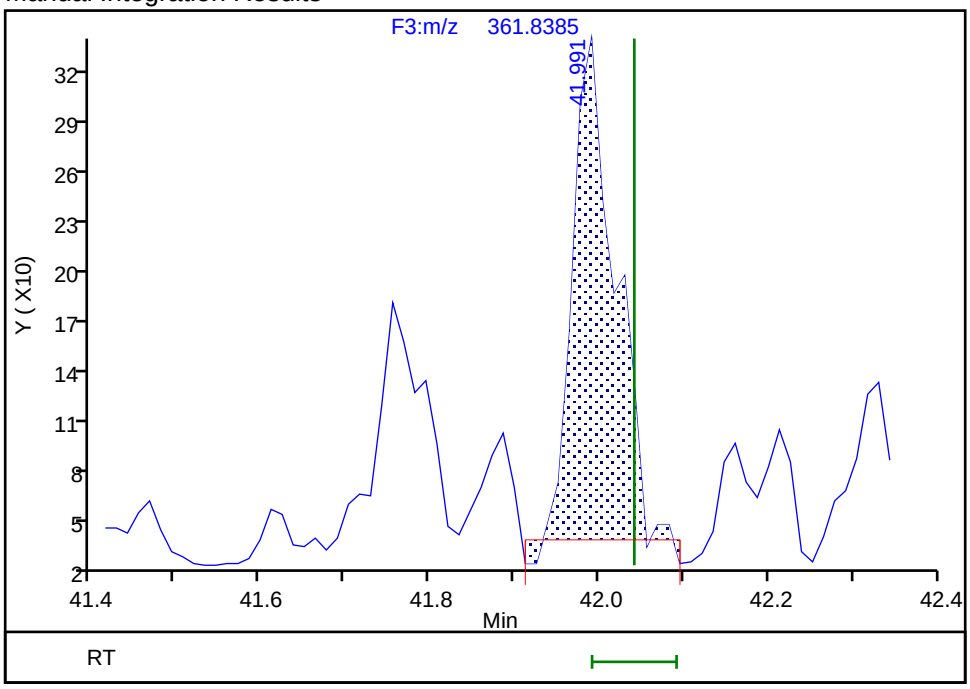
Processing Integration Results

RT: 41.99
Area: 1670
Amount: 0.101379
Amount Units: pg/ul




Manual Integration Results

RT: 41.99
Area: 1009
Amount: 0.076015
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:39:52
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

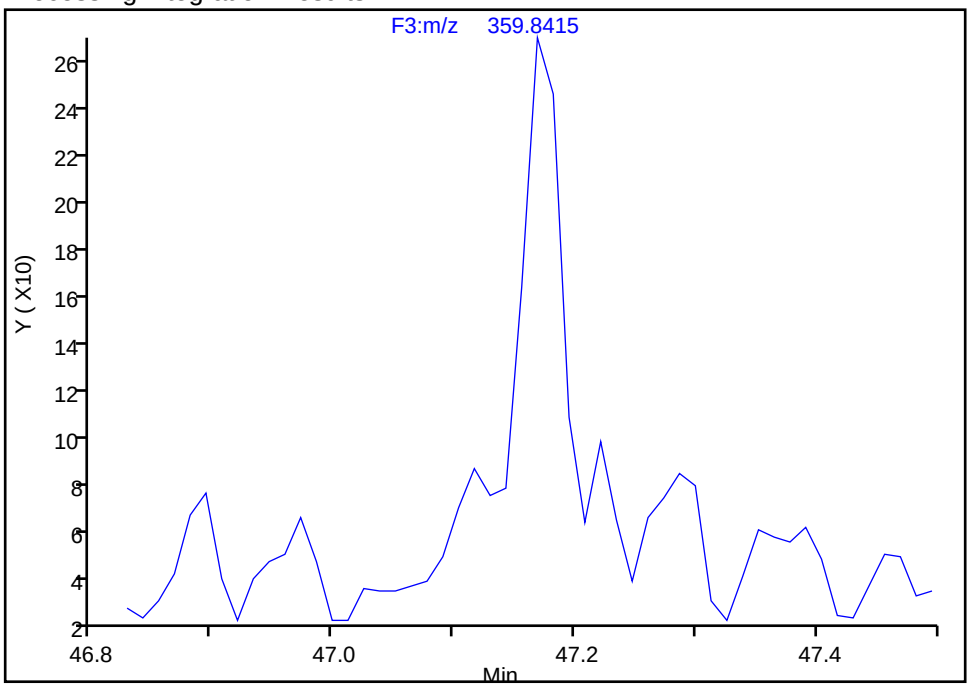
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 1

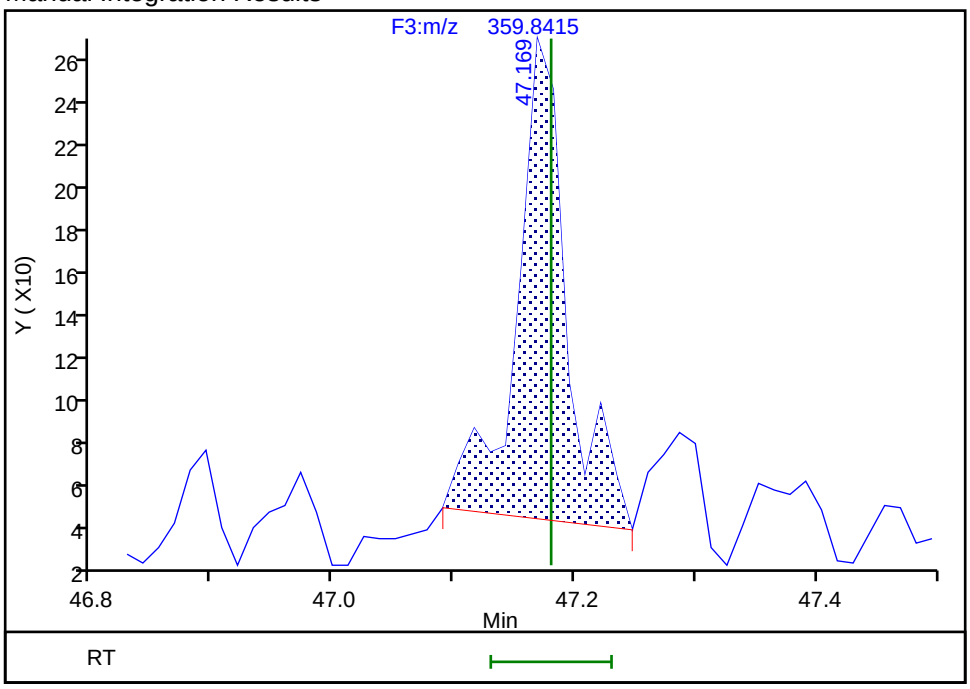
Not Detected
Expected RT: 47.18

Processing Integration Results




Manual Integration Results

RT: 47.17
Area: 634
Amount: 0.043499
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:40:42
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

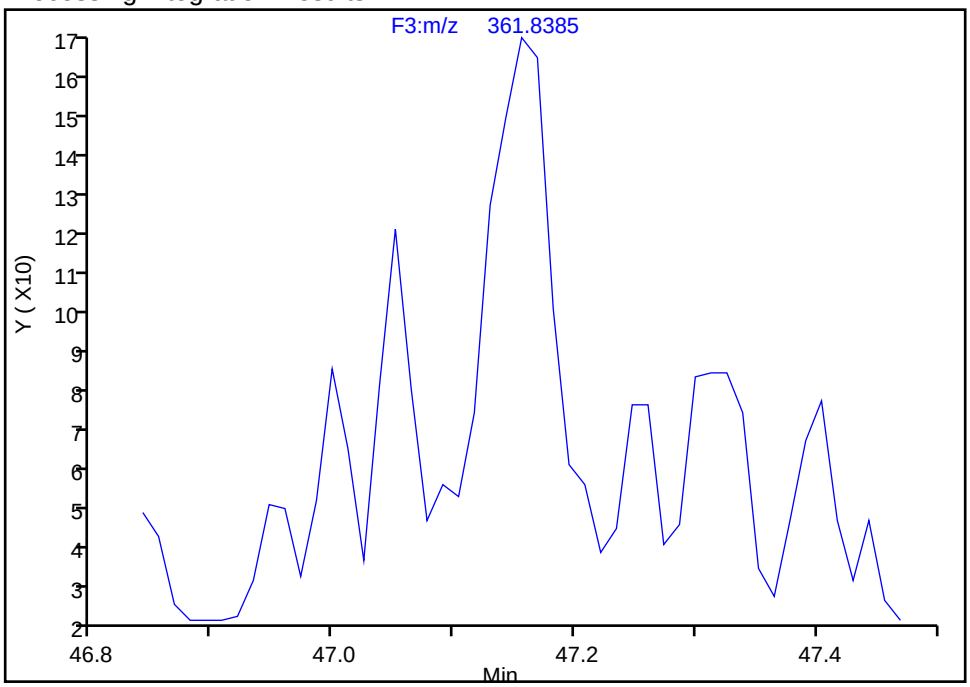
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 2

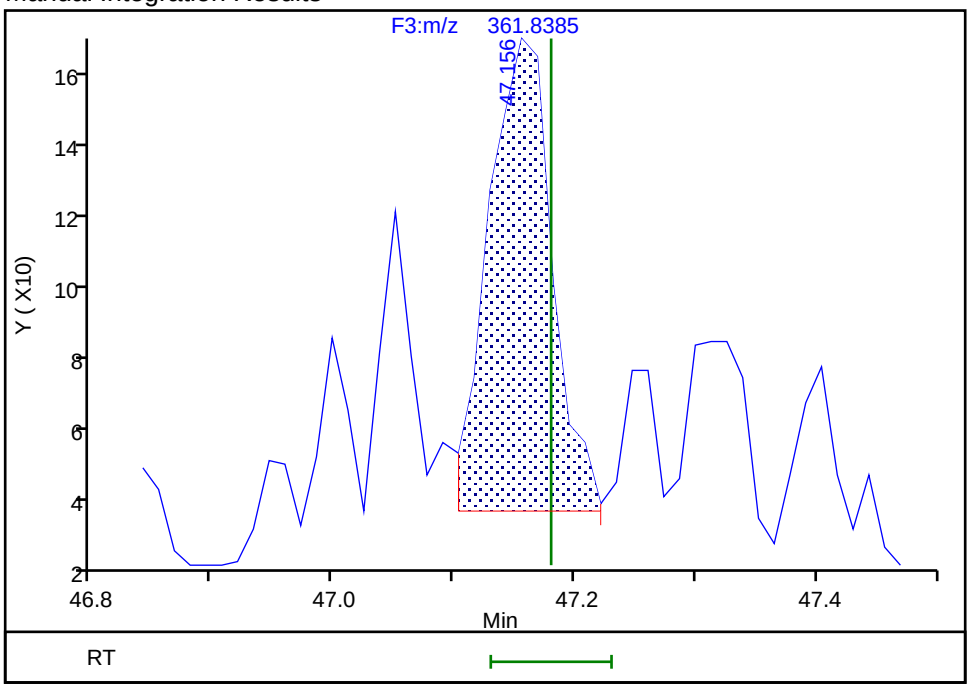
Not Detected
Expected RT: 47.18

Processing Integration Results




Manual Integration Results

RT: 47.16
Area: 477
Amount: 0.043499
Amount Units: pg/ul

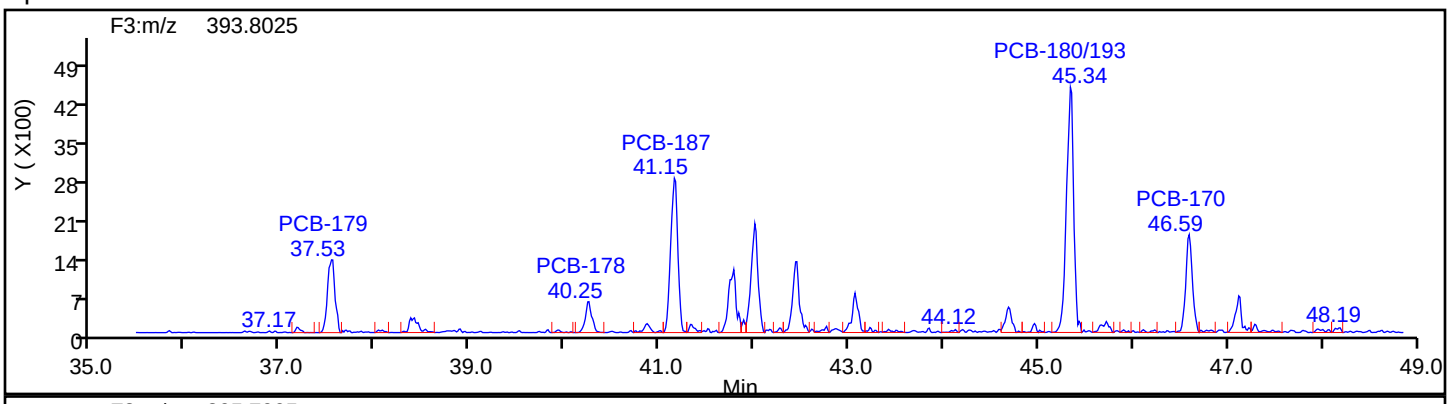


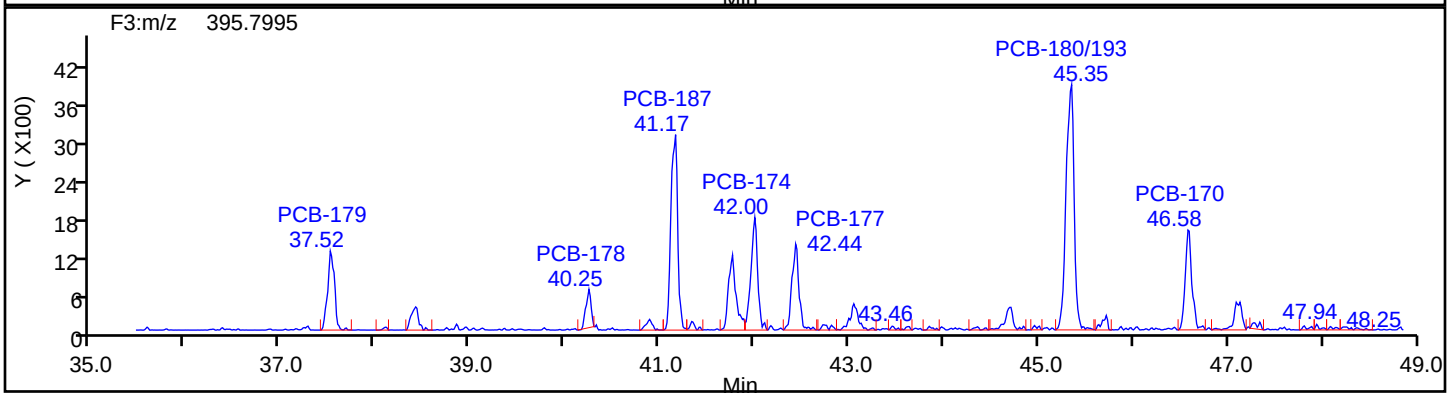

Reviewer: layk, 04-Oct-2019 09:40:53
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

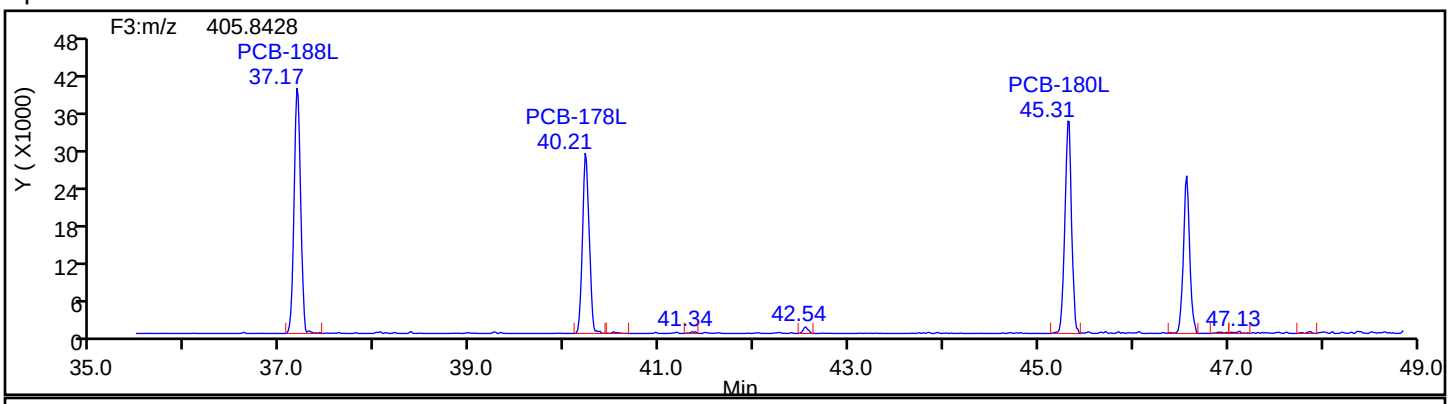
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

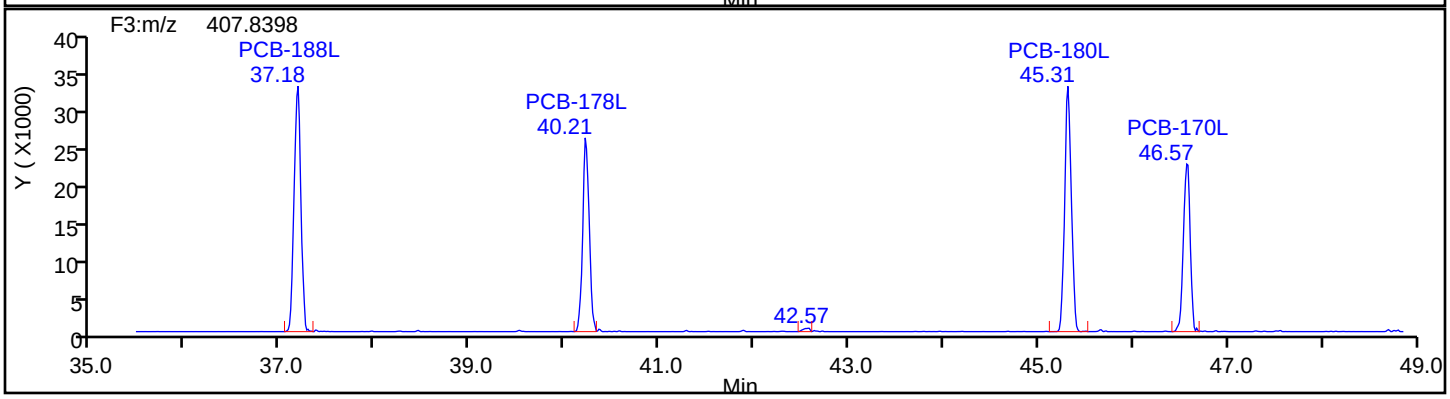
HpPCB F3




HpPCB F3 Standards

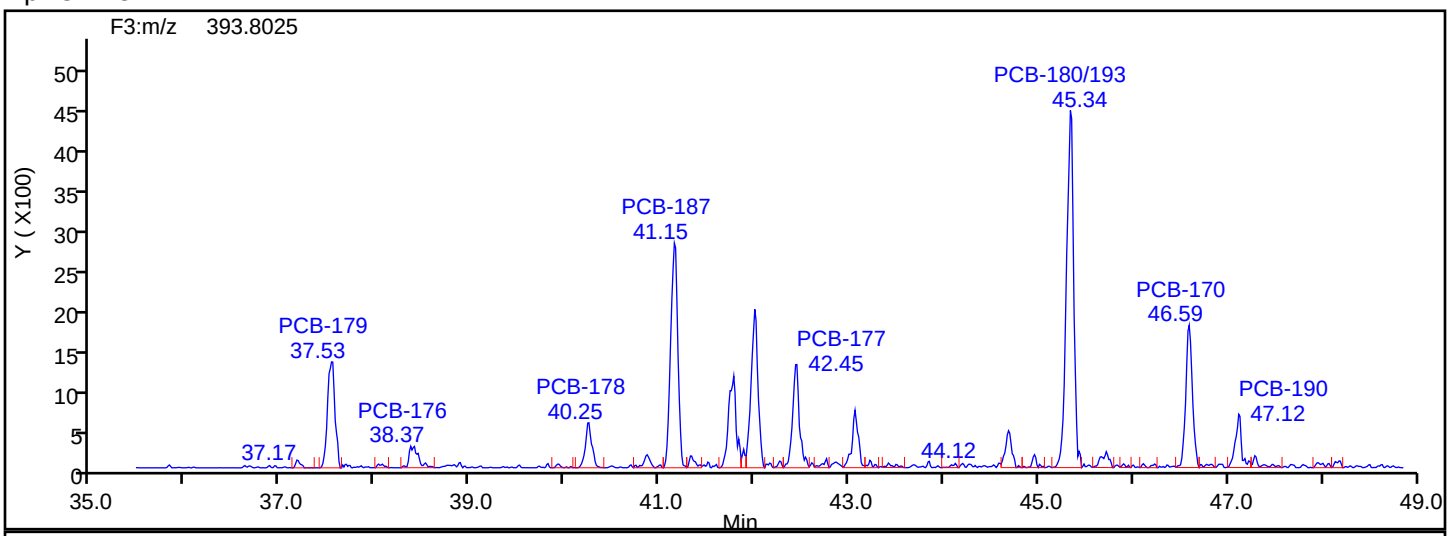


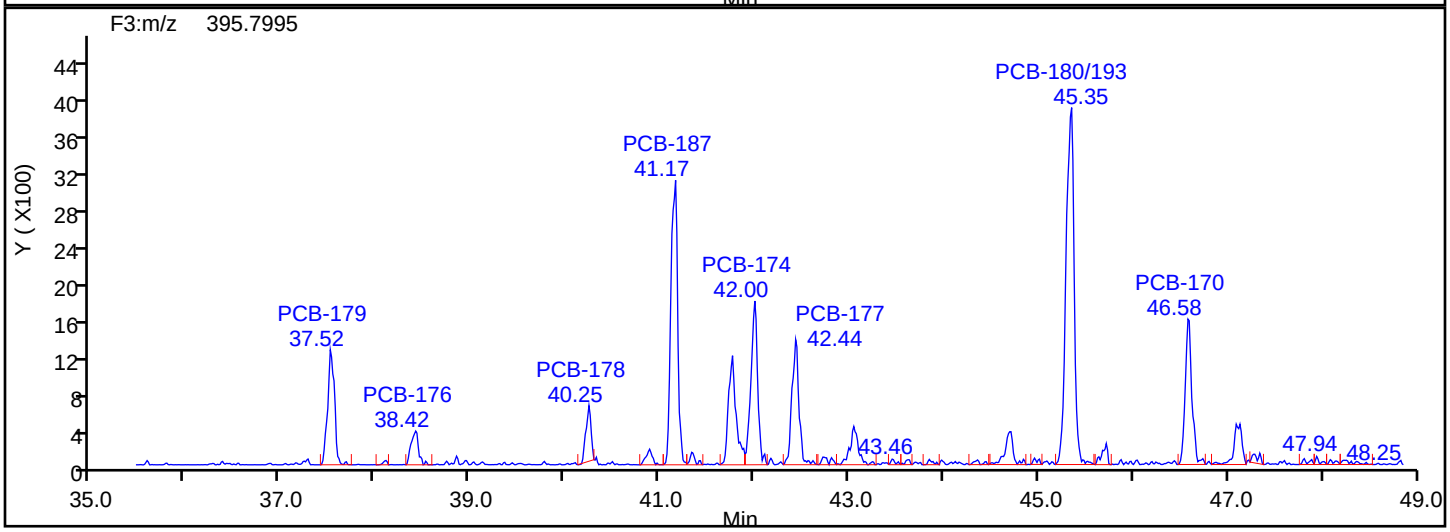



Eurofins TestAmerica, Knoxville

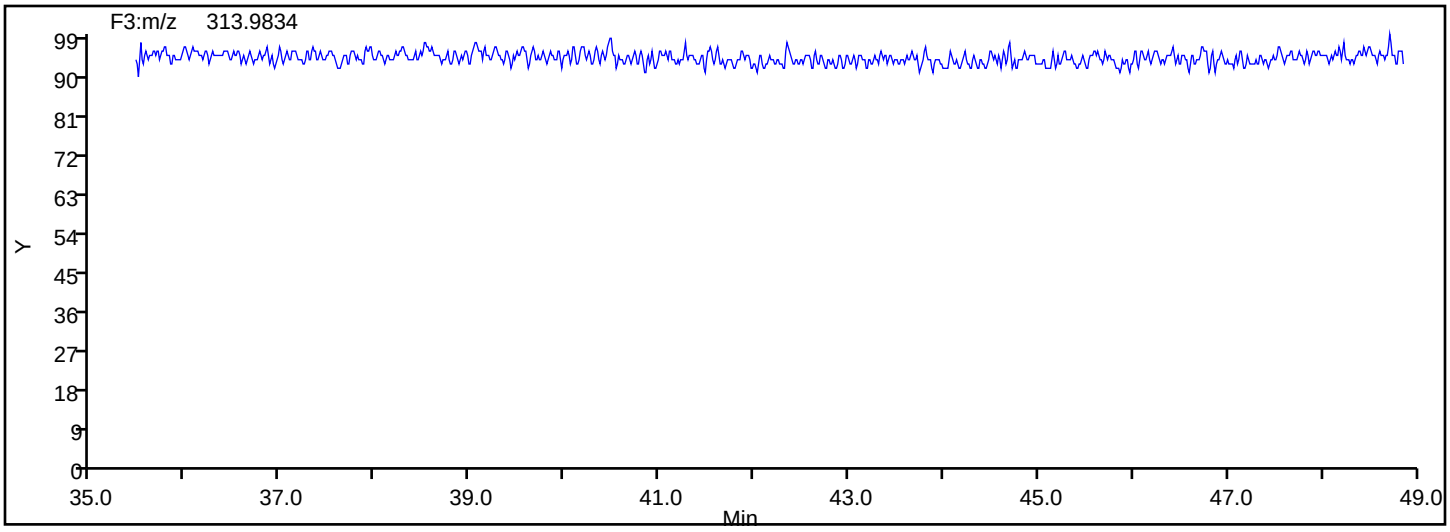
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

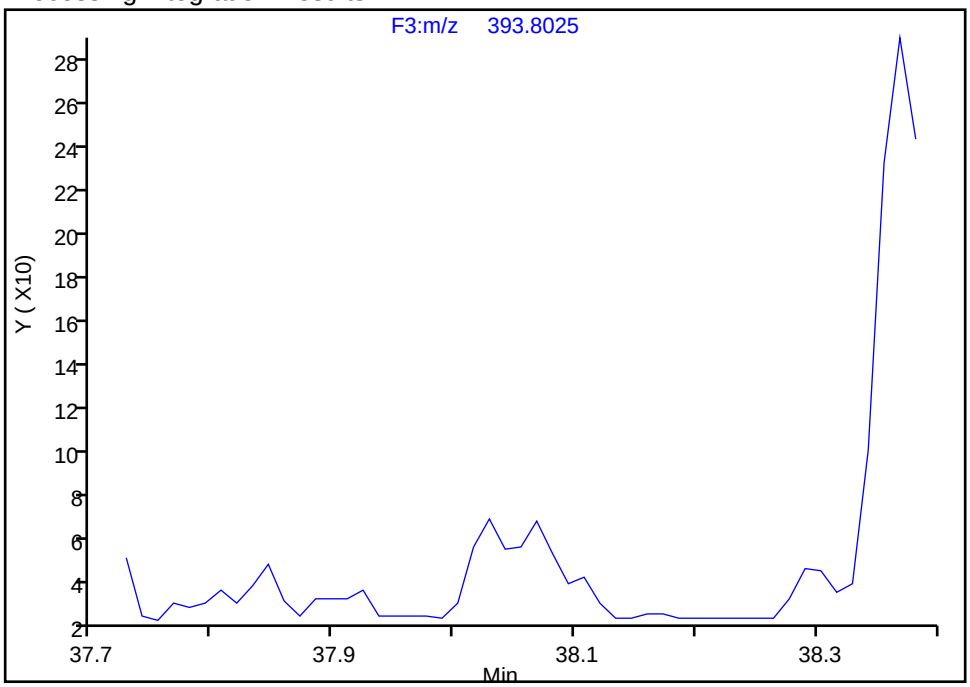
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-184, CAS: 74472-48-3

Signal: 1

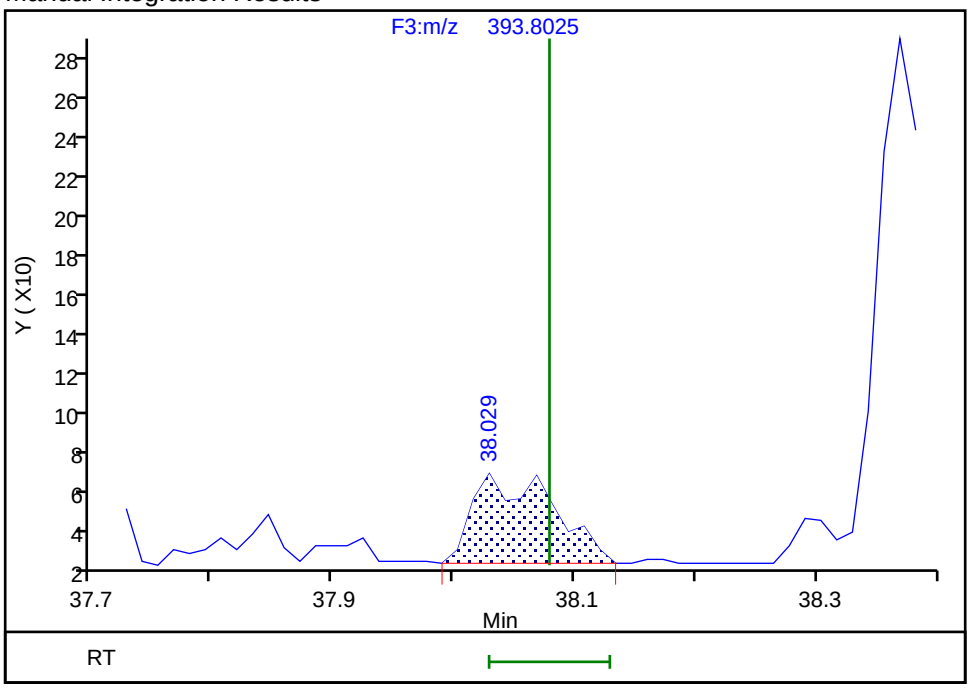
Not Detected
Expected RT: 38.08

Processing Integration Results




Manual Integration Results

RT: 38.03
Area: 210
Amount: 0.016468
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:41:33
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

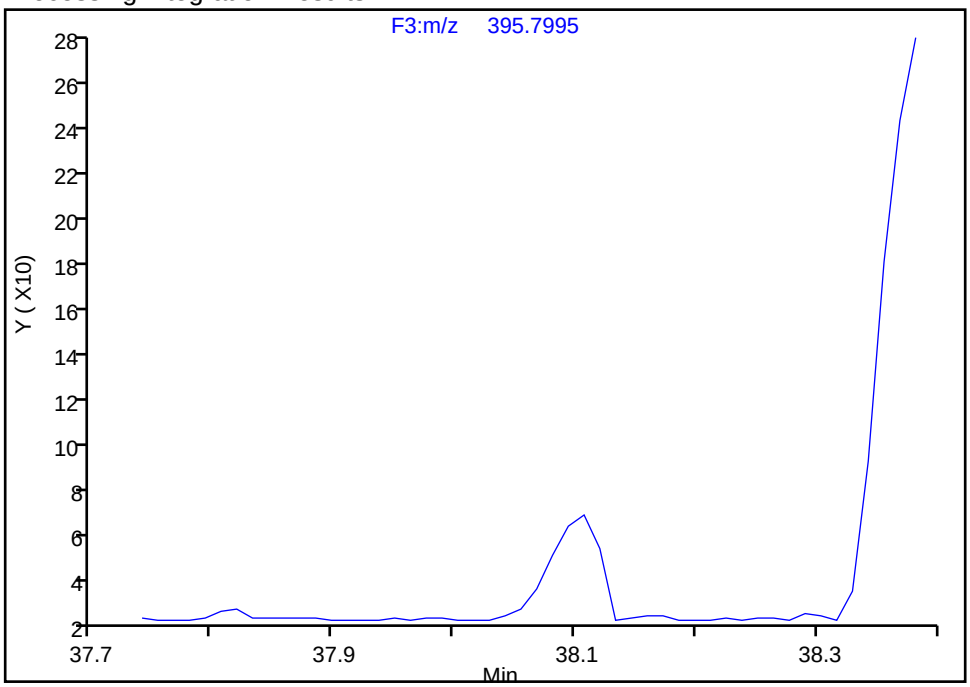
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-184, CAS: 74472-48-3

Signal: 2

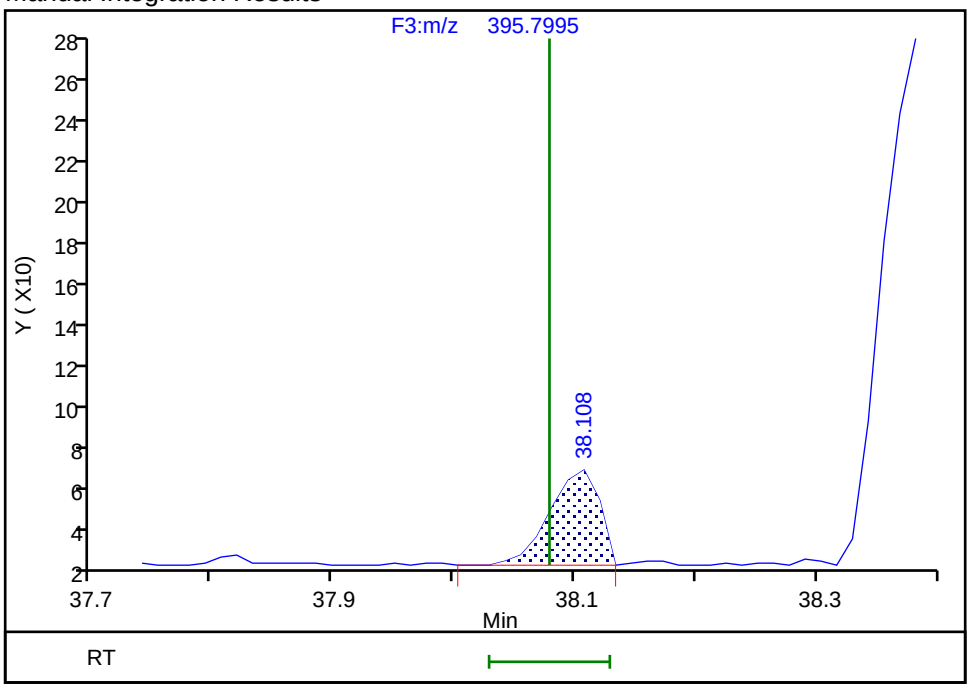
Not Detected
Expected RT: 38.08

Processing Integration Results




Manual Integration Results

RT: 38.11
Area: 134
Amount: 0.016468
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:41:46
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

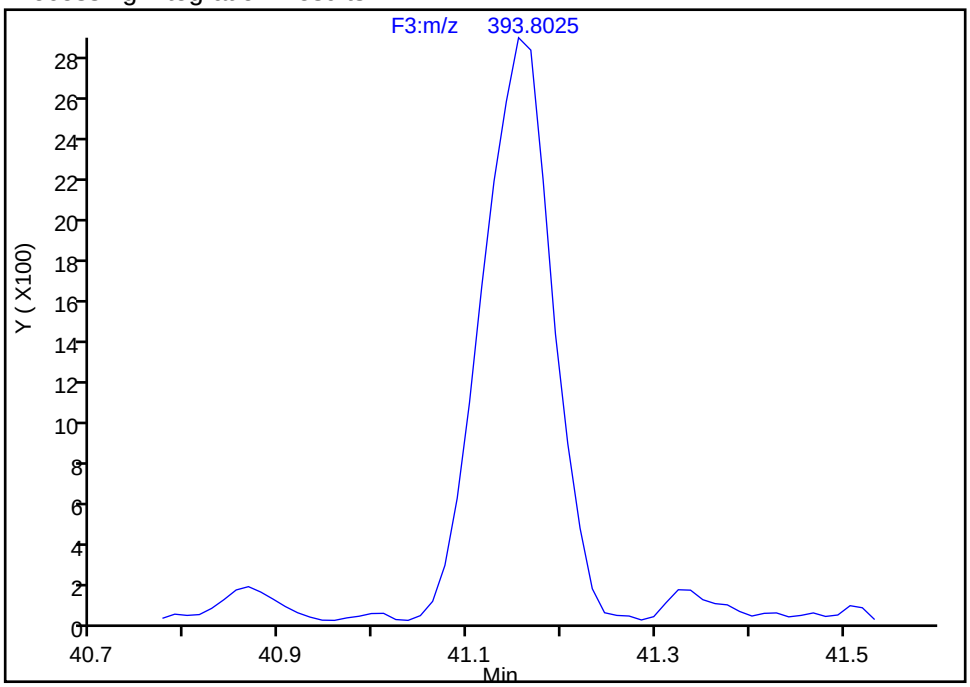
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-187, CAS: 52663-68-0

Signal: 1

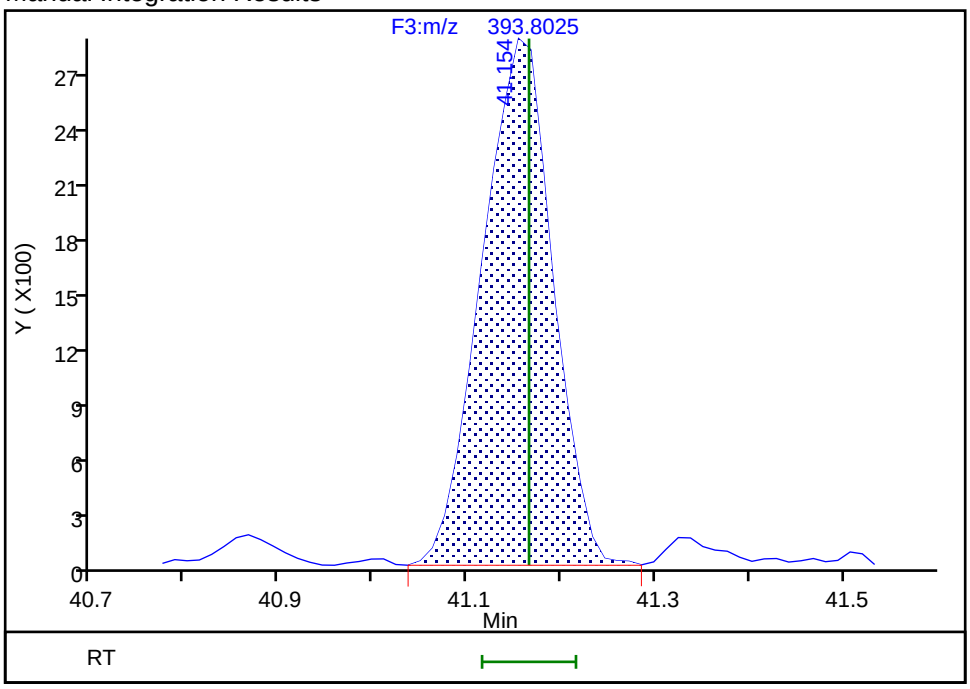
Not Detected
Expected RT: 41.17

Processing Integration Results




Manual Integration Results

RT: 41.15
Area: 14819
Amount: 1.850934
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:42:01
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

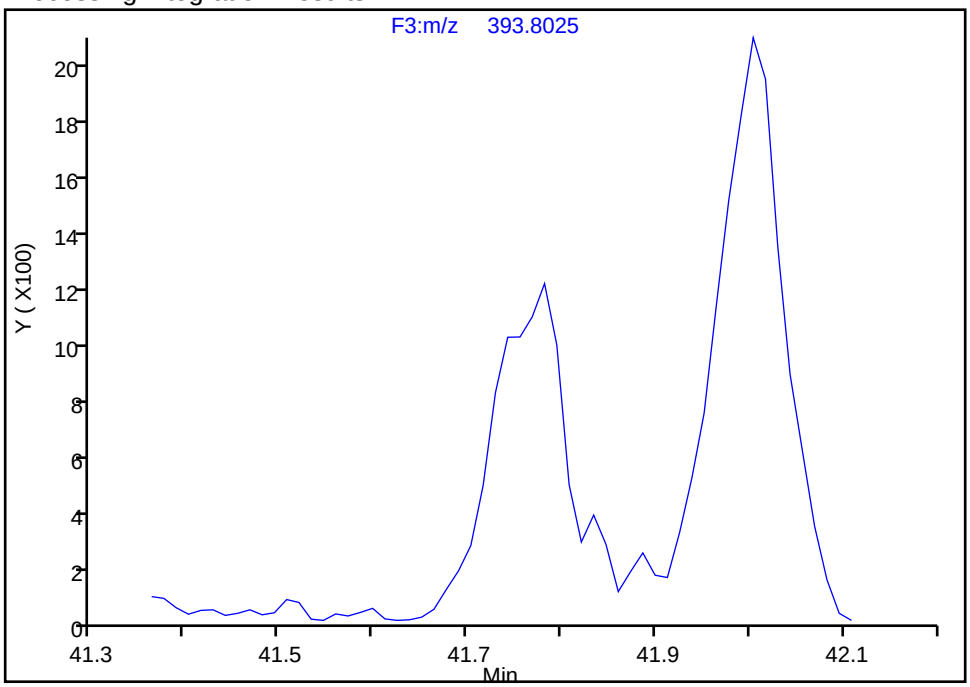
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

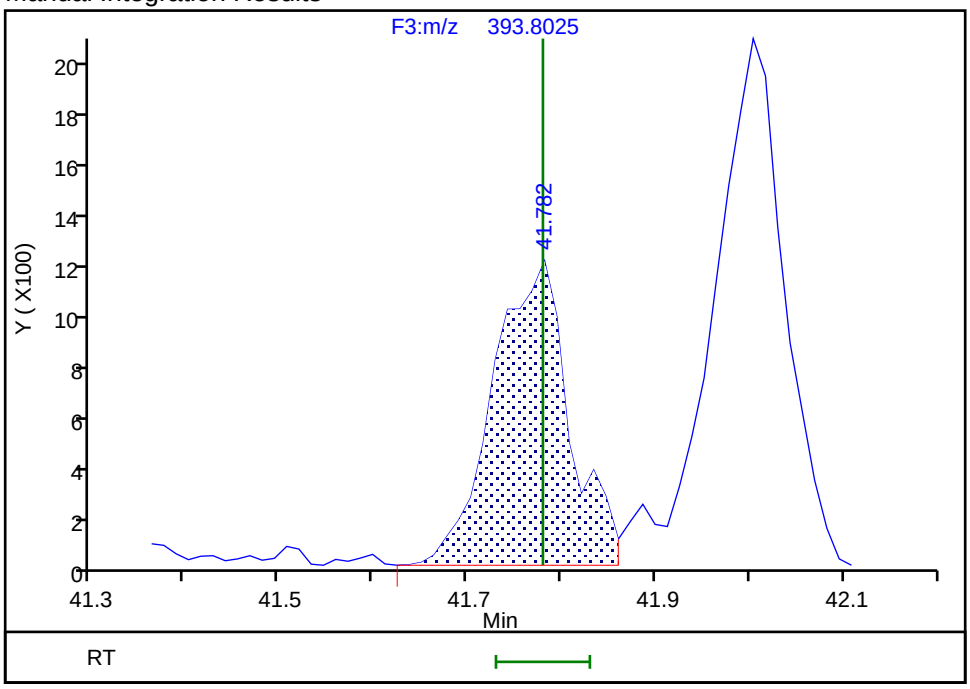
Not Detected
Expected RT: 41.78

Processing Integration Results




Manual Integration Results

RT: 41.78
Area: 6486
Amount: 0.789684
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:42:06
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

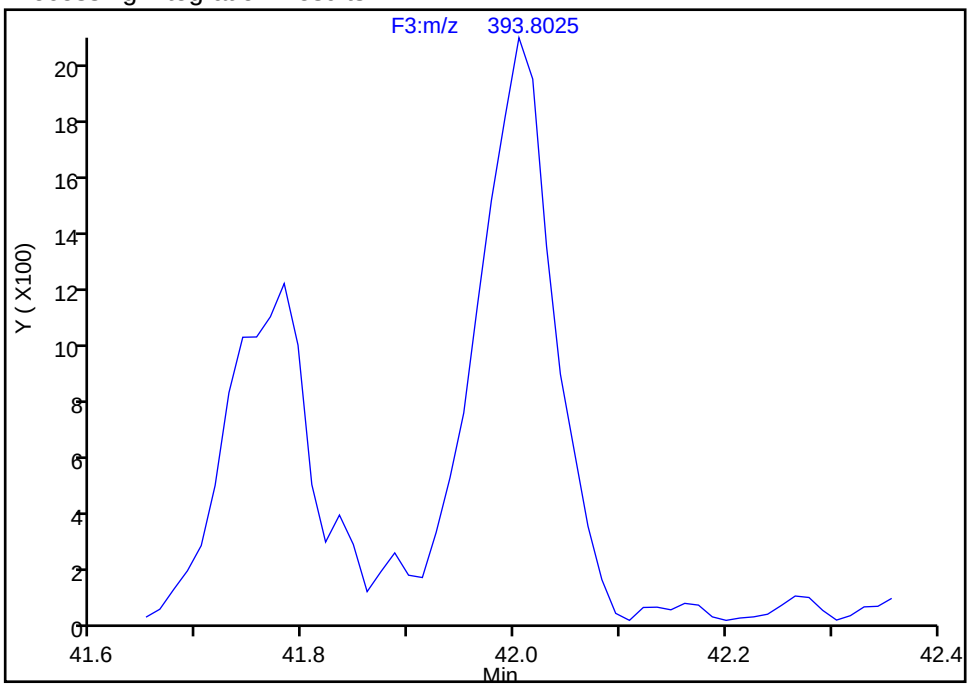
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-174, CAS: 38411-25-5

Signal: 1

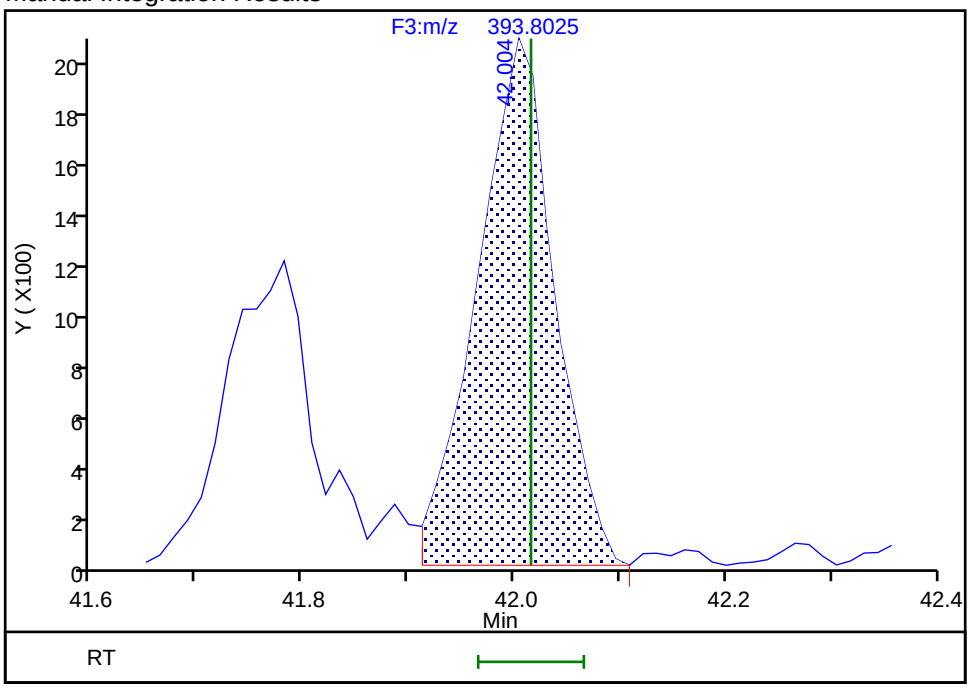
Not Detected
Expected RT: 42.02

Processing Integration Results




Manual Integration Results

RT: 42.00
Area: 10032
Amount: 1.348228
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:42:14
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

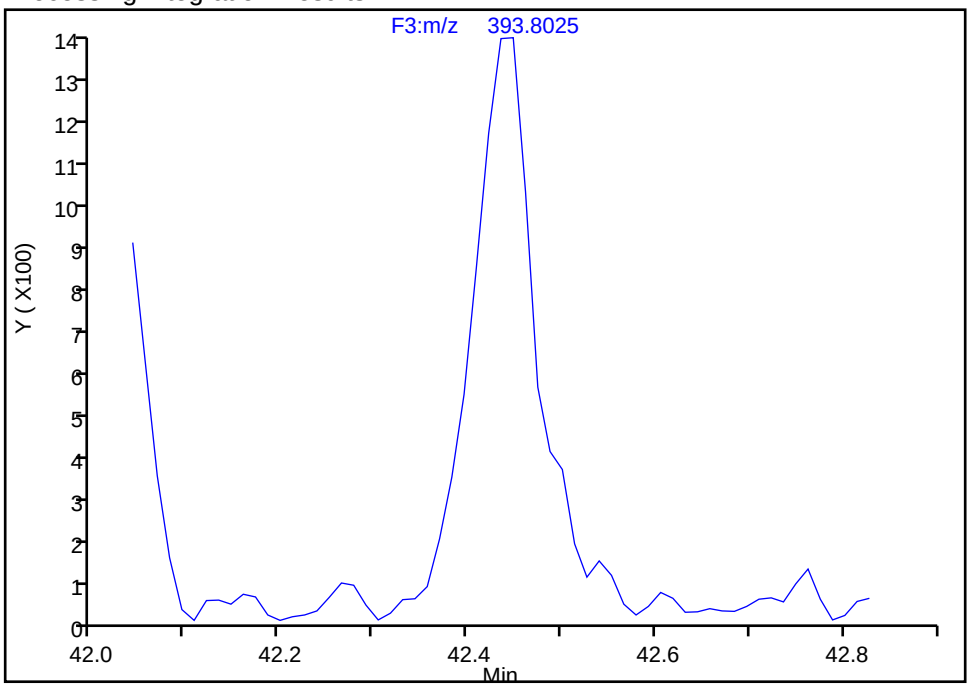
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-177, CAS: 52663-70-4

Signal: 1

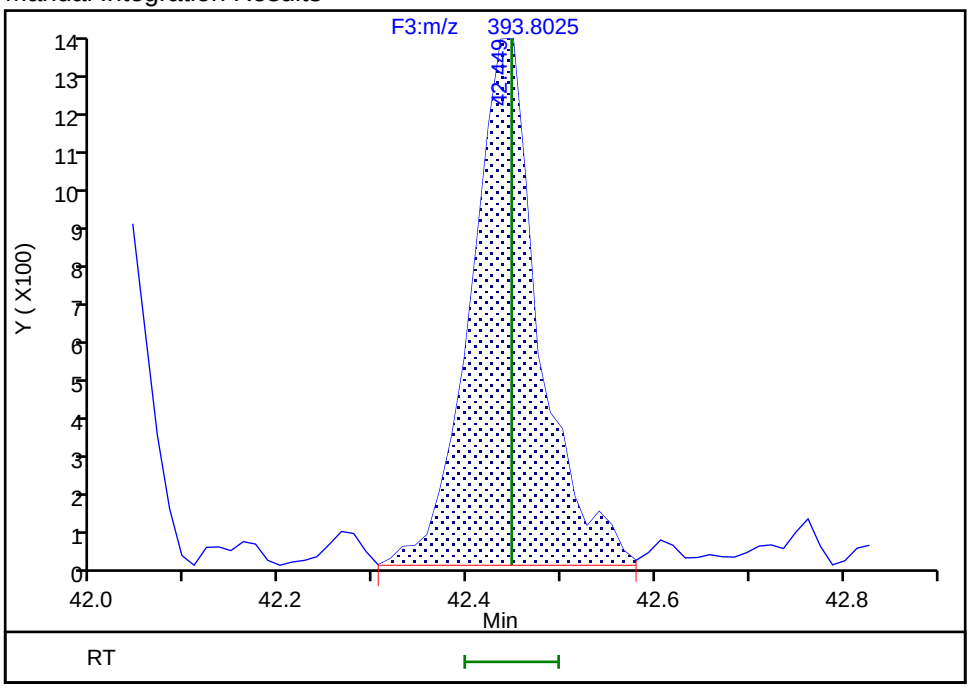
Not Detected
Expected RT: 42.45

Processing Integration Results




Manual Integration Results

RT: 42.45
Area: 6559
Amount: 0.979343
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:42:19
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

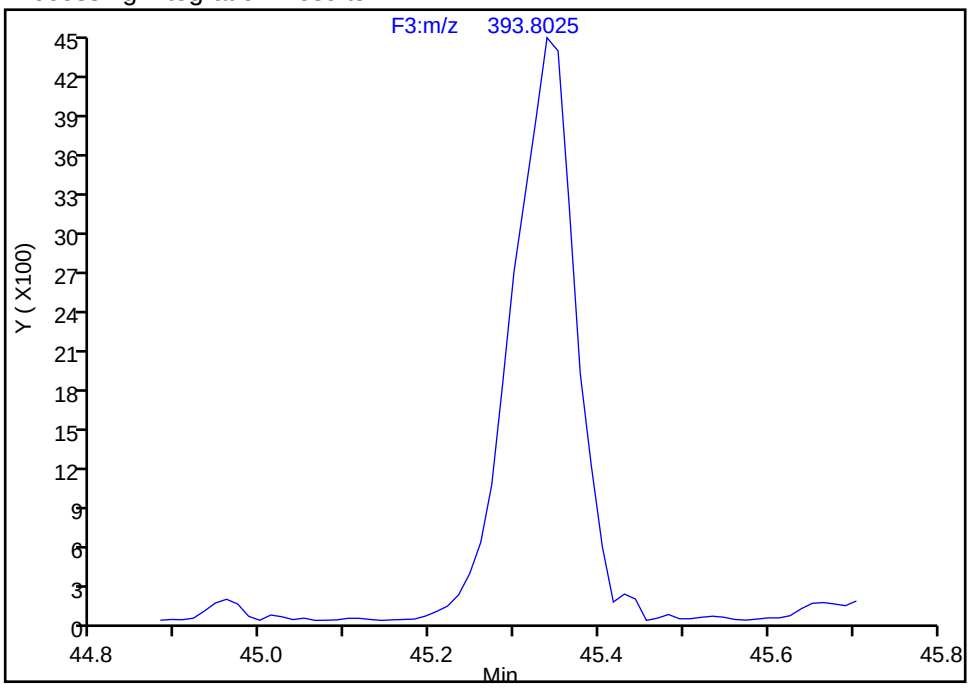
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

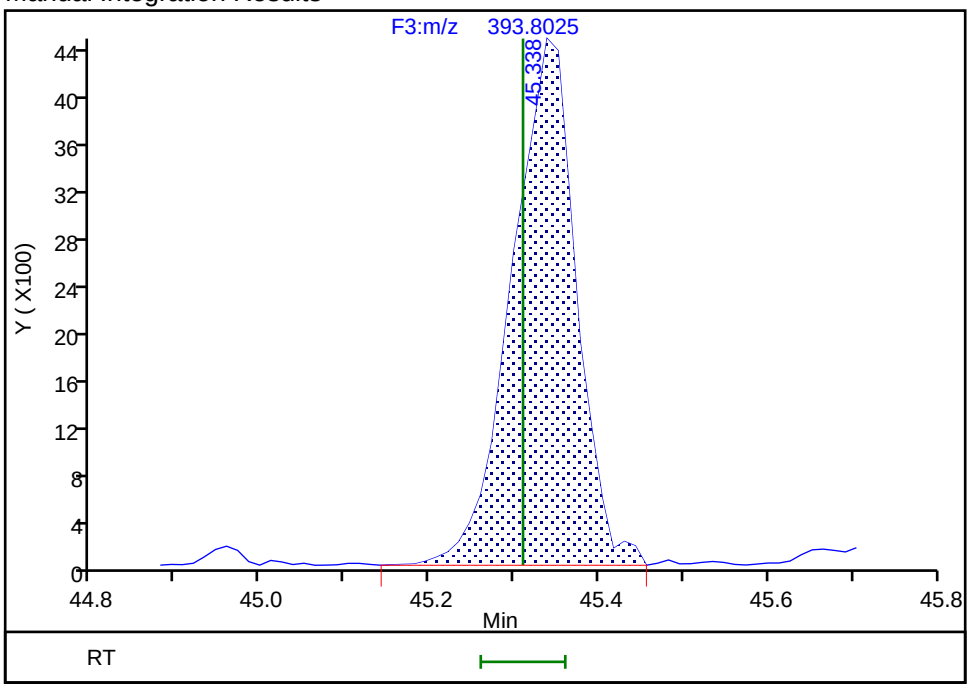
Processing Integration Results

Not Detected
Expected RT: 45.31




Manual Integration Results

RT: 45.34
Area: 23733
Amount: 2.587749
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:42:29
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

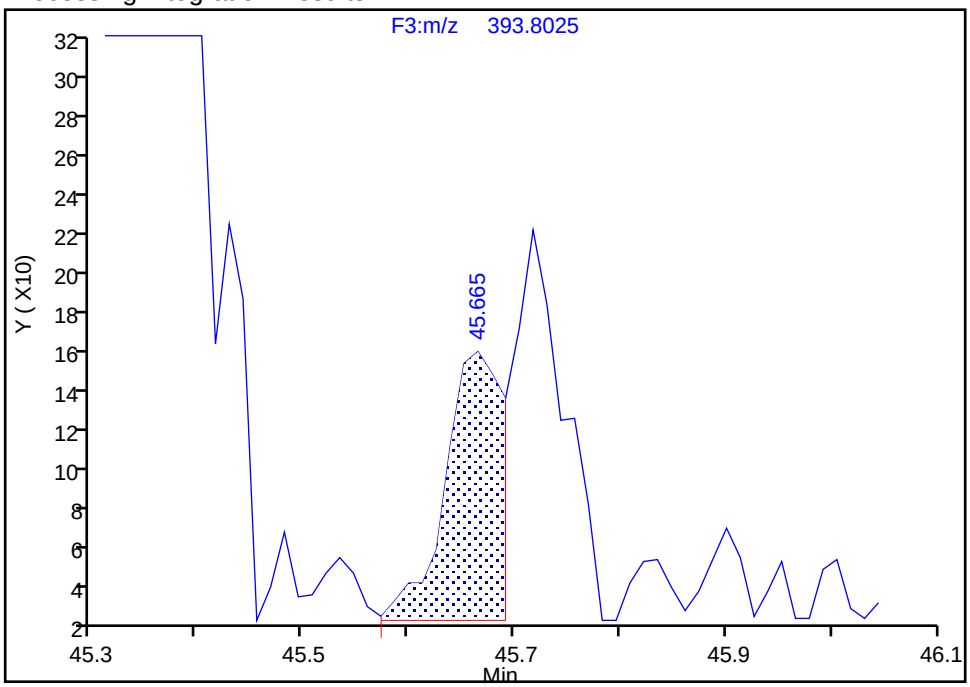
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-191, CAS: 74472-50-7

Signal: 1

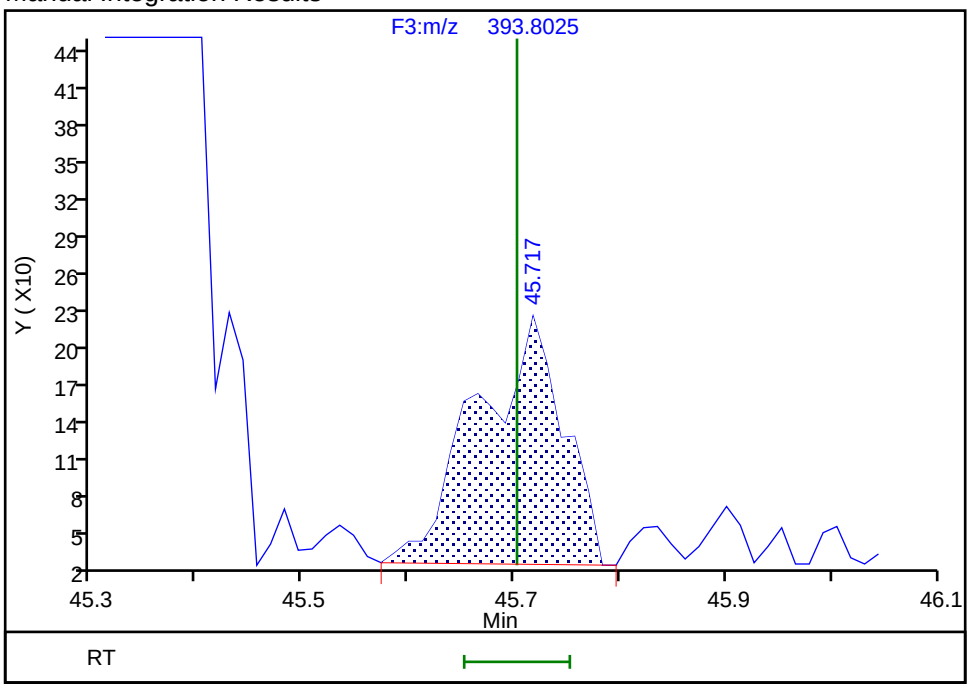
Processing Integration Results

RT: 45.67
Area: 490
Amount: 0.045425
Amount Units: pg/ul




Manual Integration Results

RT: 45.72
Area: 1127
Amount: 0.101643
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:43:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

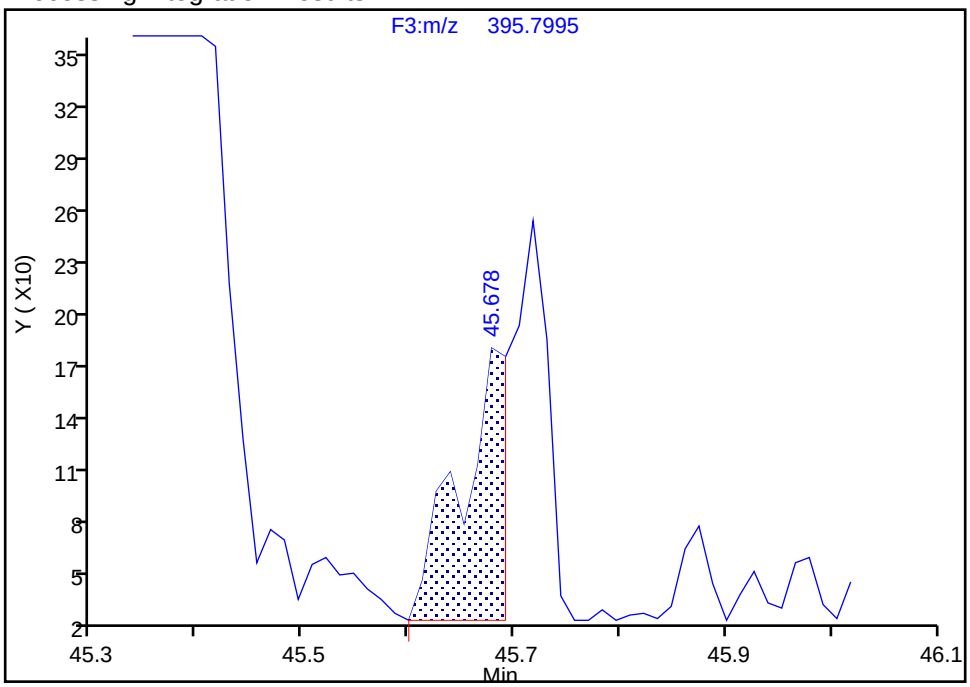
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-191, CAS: 74472-50-7

Signal: 2

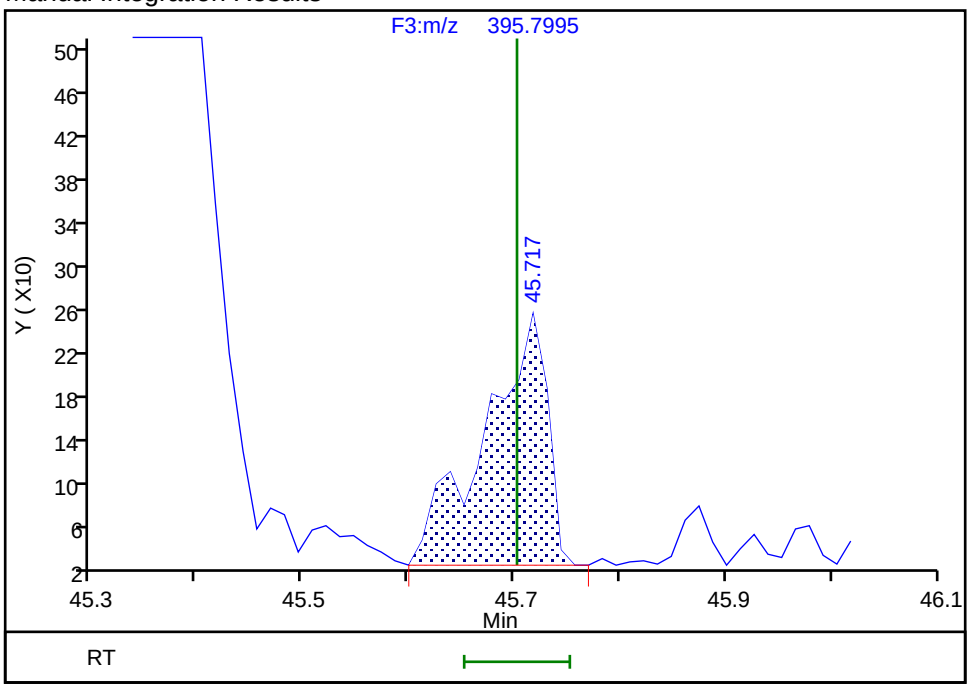
Processing Integration Results

RT: 45.68
Area: 436
Amount: 0.045425
Amount Units: pg/ul




Manual Integration Results

RT: 45.72
Area: 945
Amount: 0.101643
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:43:17

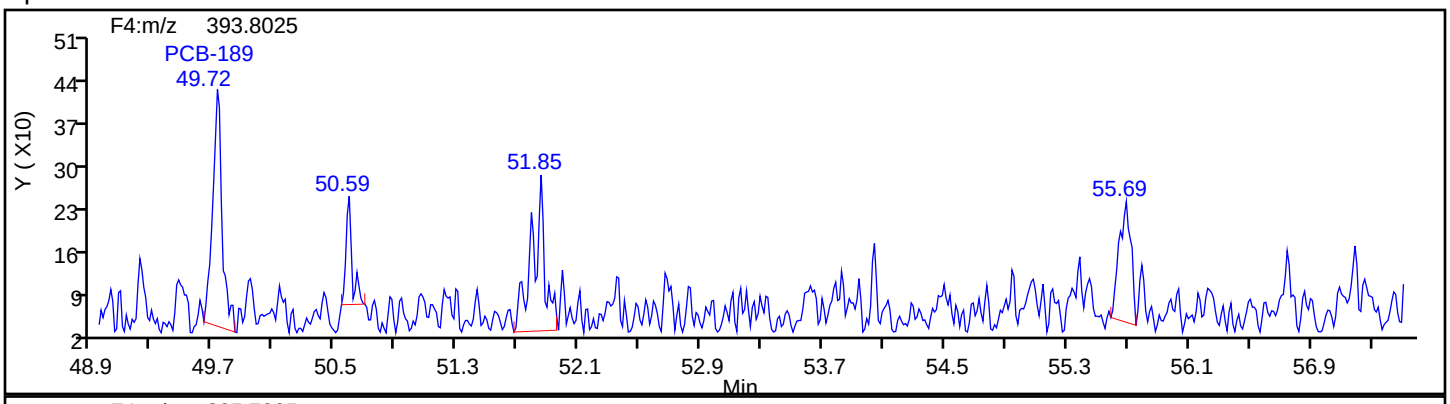
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

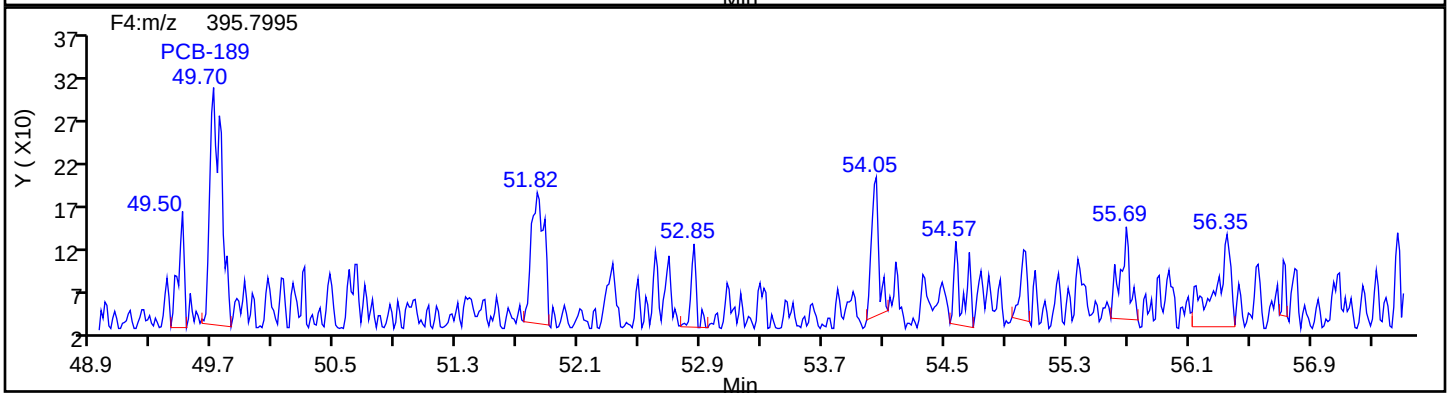
Report Date: 04-Oct-2019 14:05:49 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

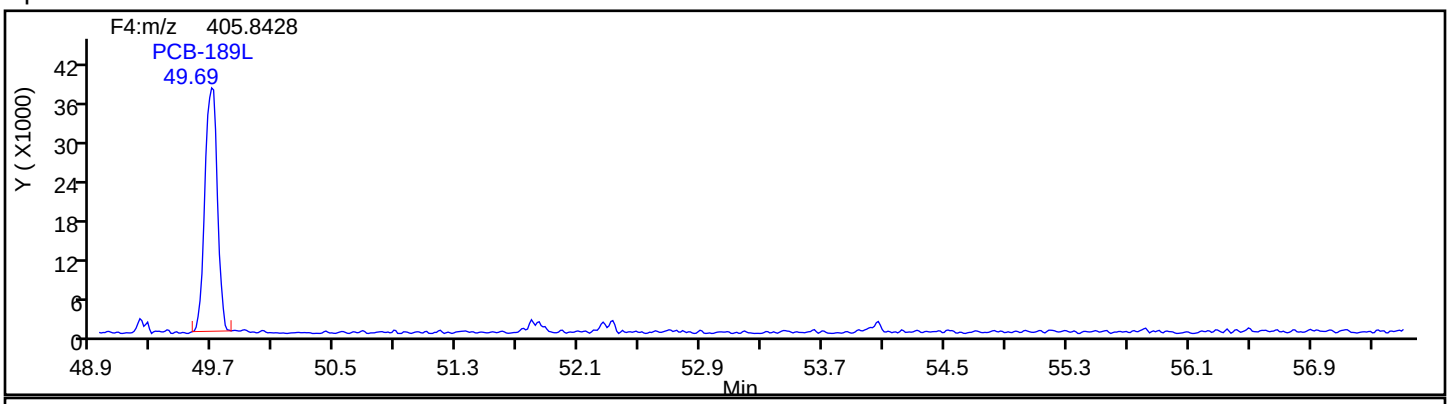
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

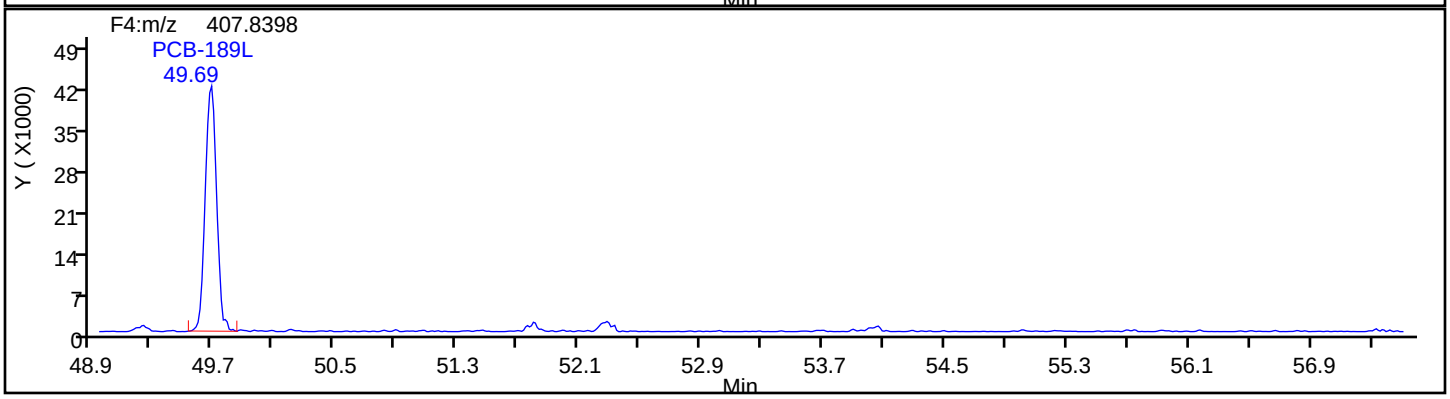
HpPCB F4




HpPCB F4 Standards

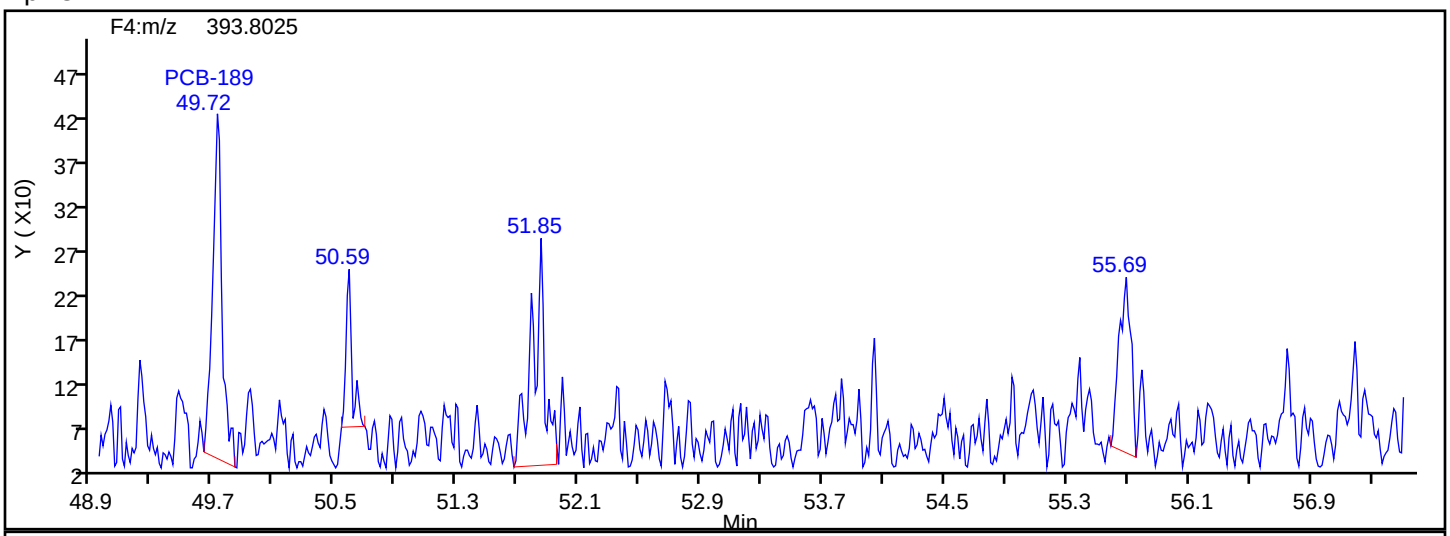


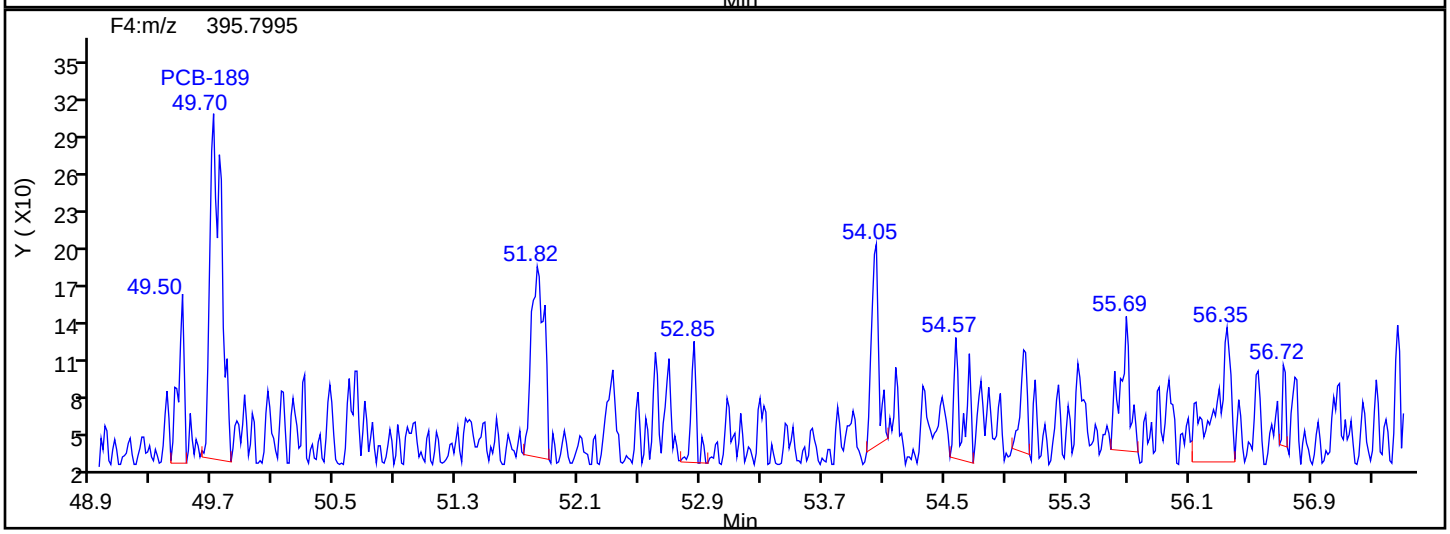



Eurofins TestAmerica, Knoxville

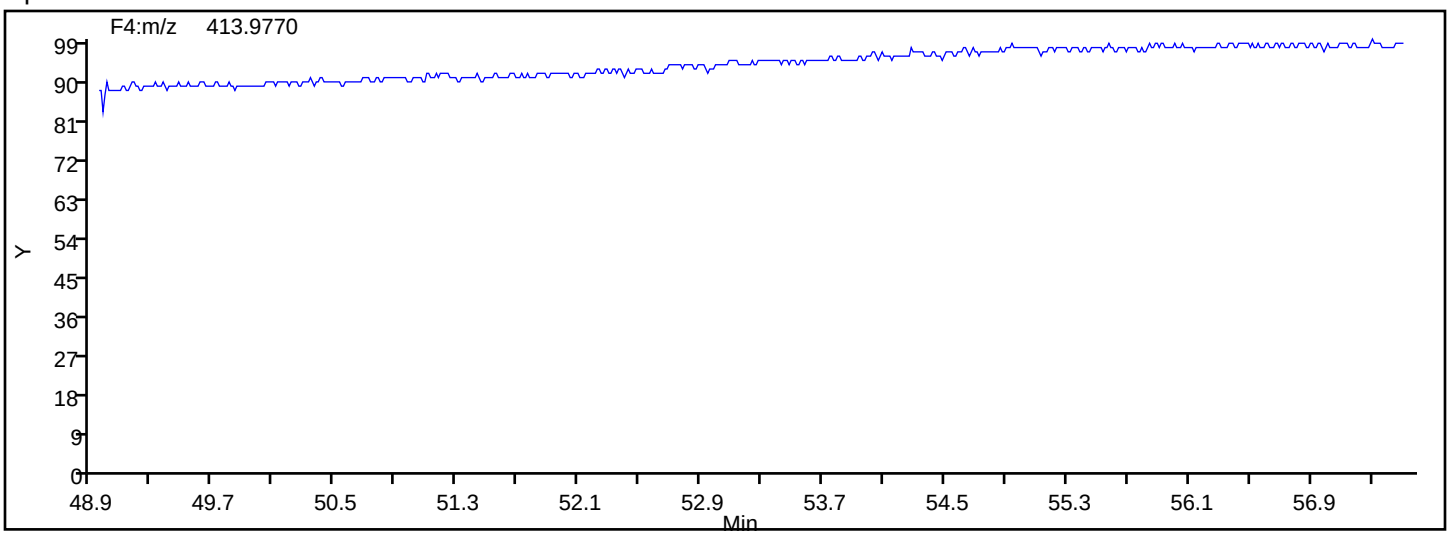
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



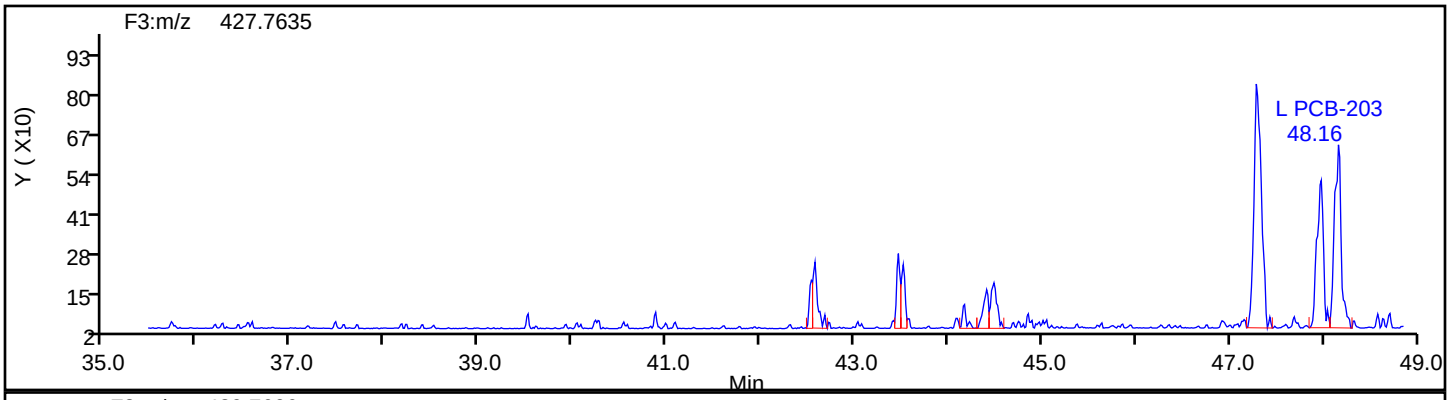

HpPCB F4 Lock Mass

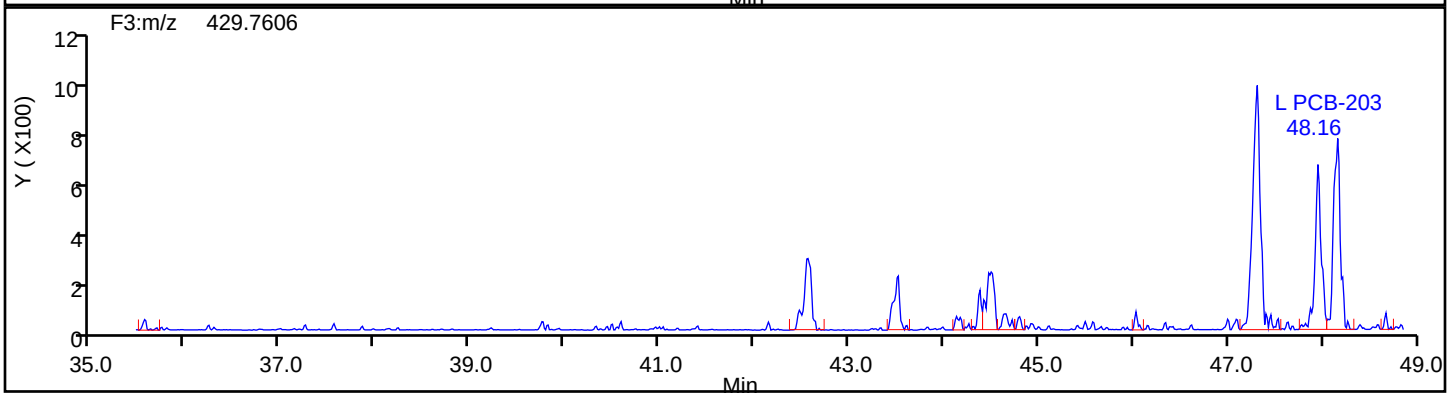


Eurofins TestAmerica, Knoxville

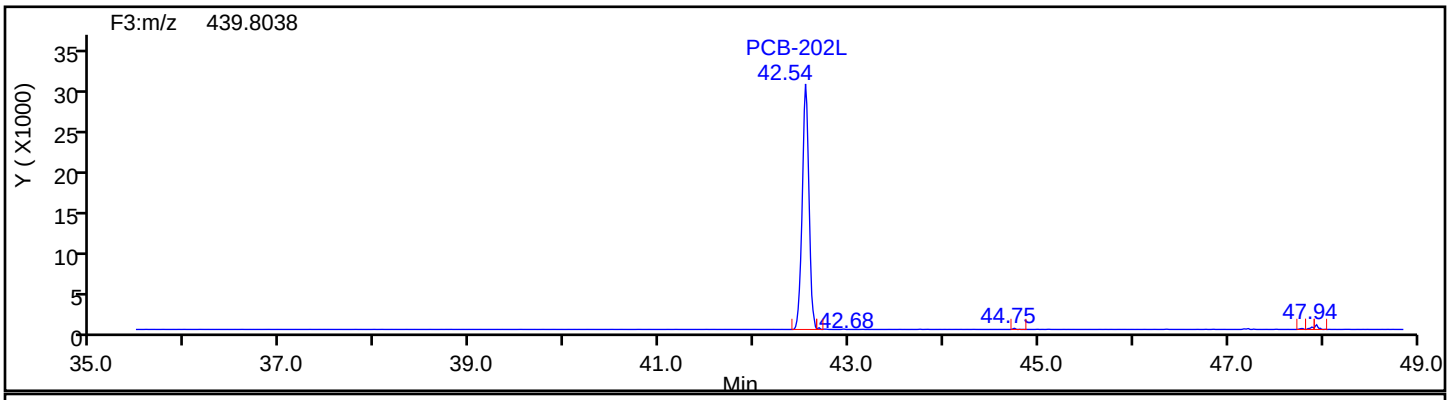
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

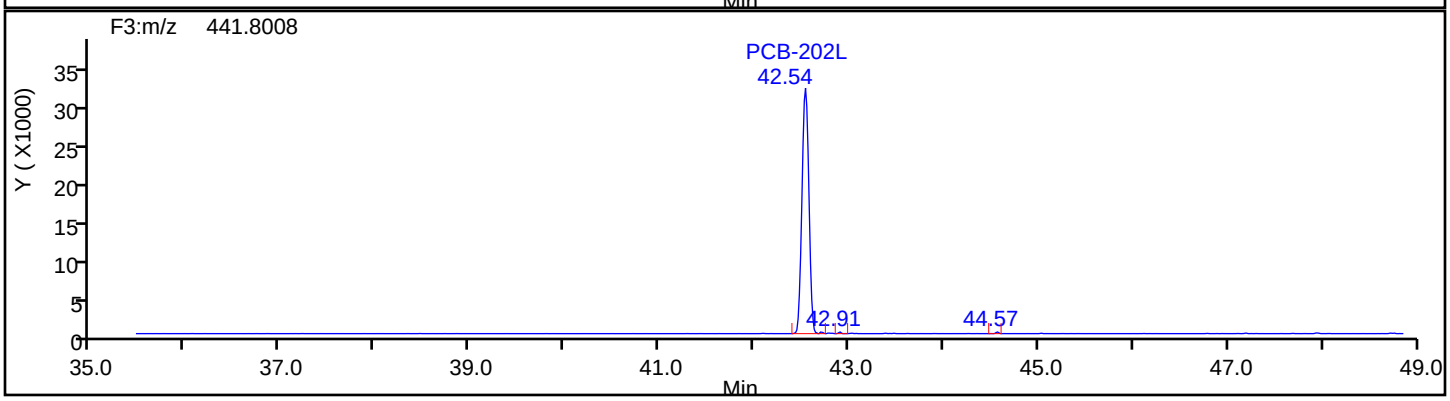
OcPCB F3




OcPCB F3 Standards

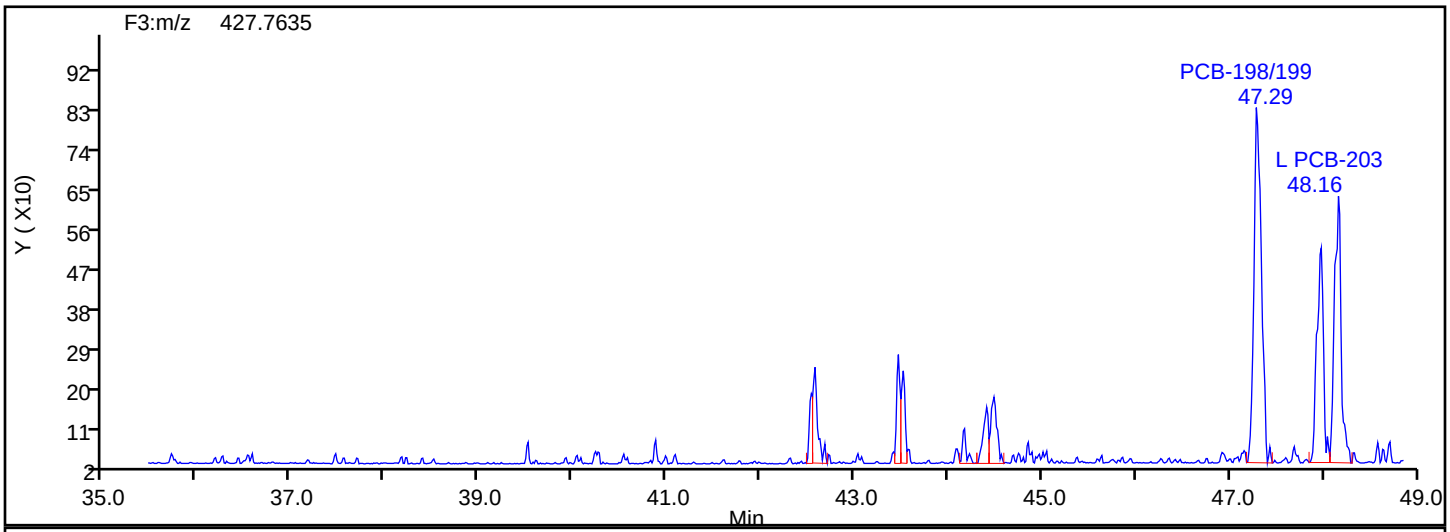


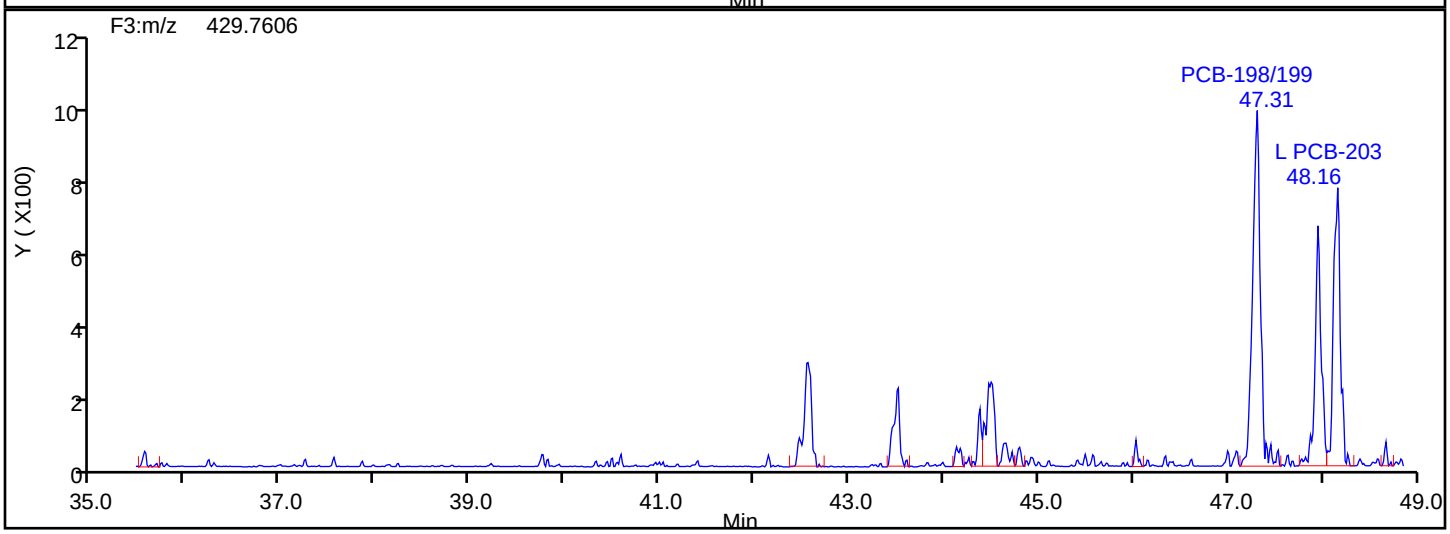



Eurofins TestAmerica, Knoxville

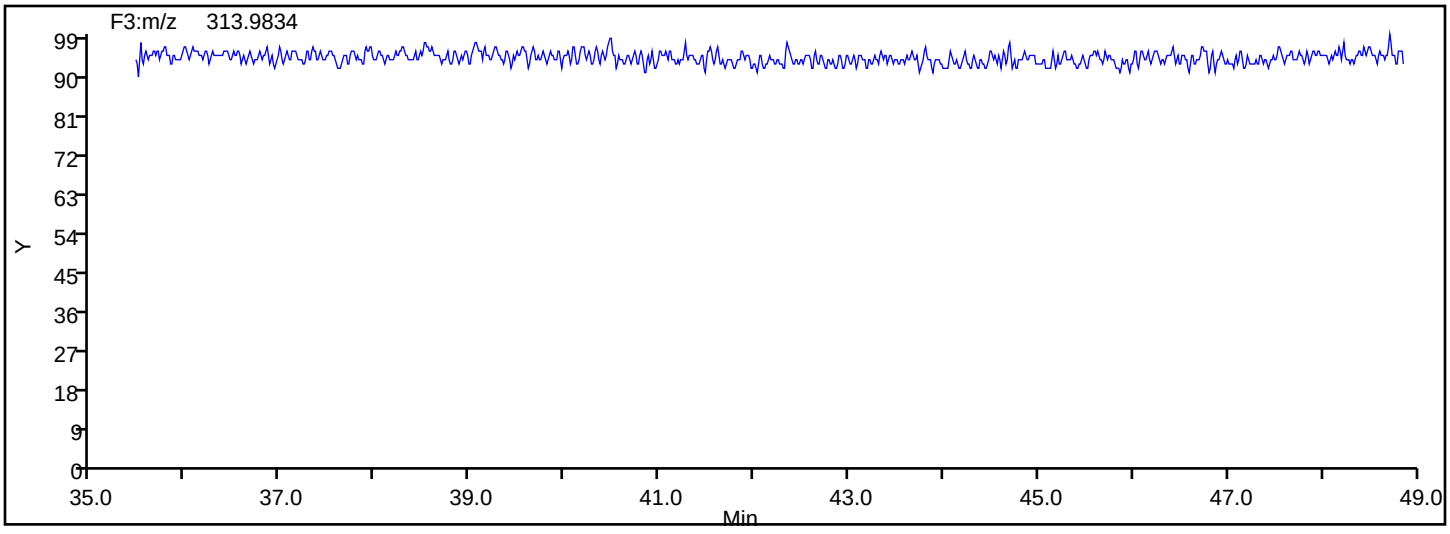
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

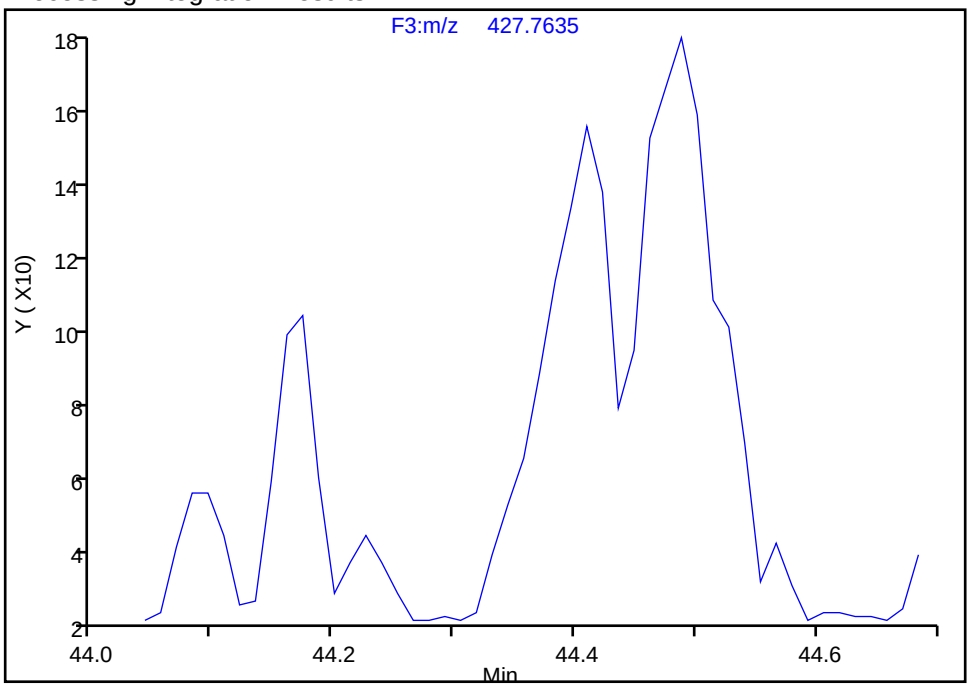
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-197, CAS: 33091-17-7

Signal: 1

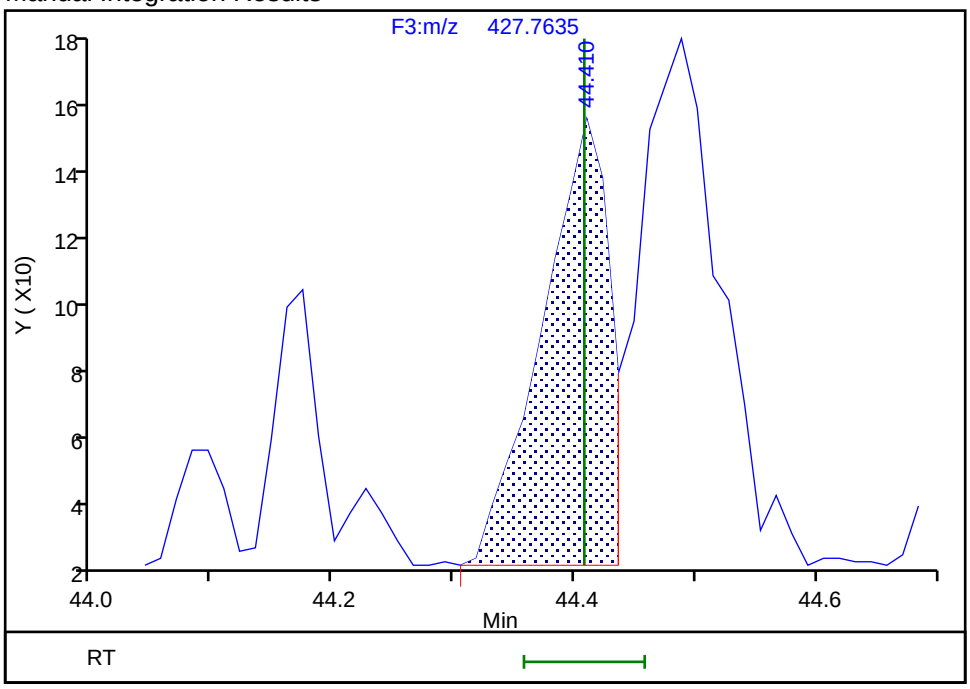
Not Detected
Expected RT: 44.41

Processing Integration Results




Manual Integration Results

RT: 44.41
Area: 482
Amount: 0.047033
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:43:37
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

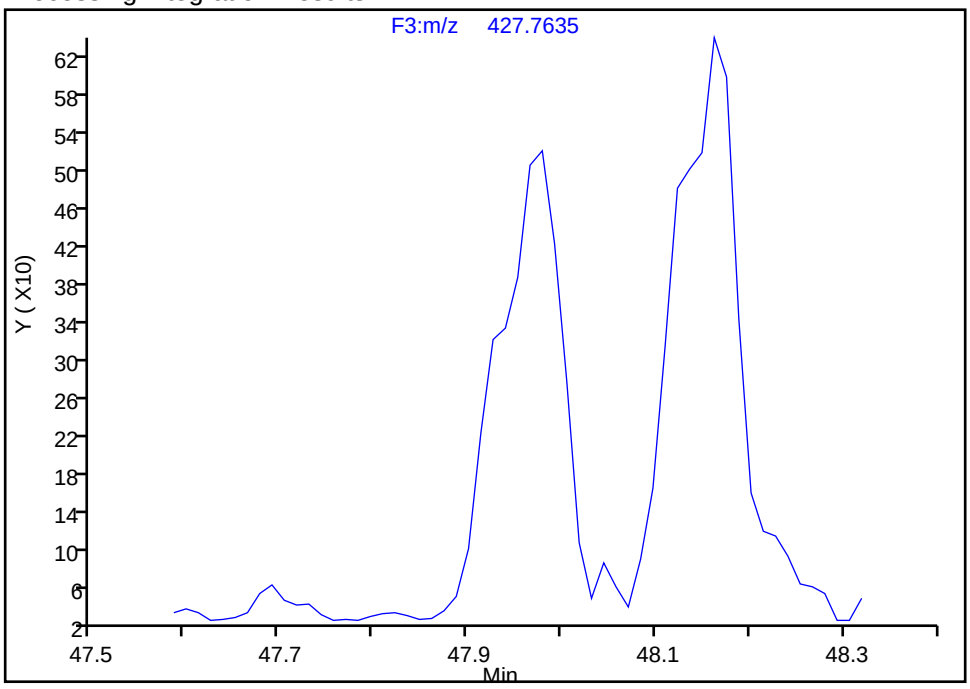
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-196, CAS: 42740-50-1

Signal: 1

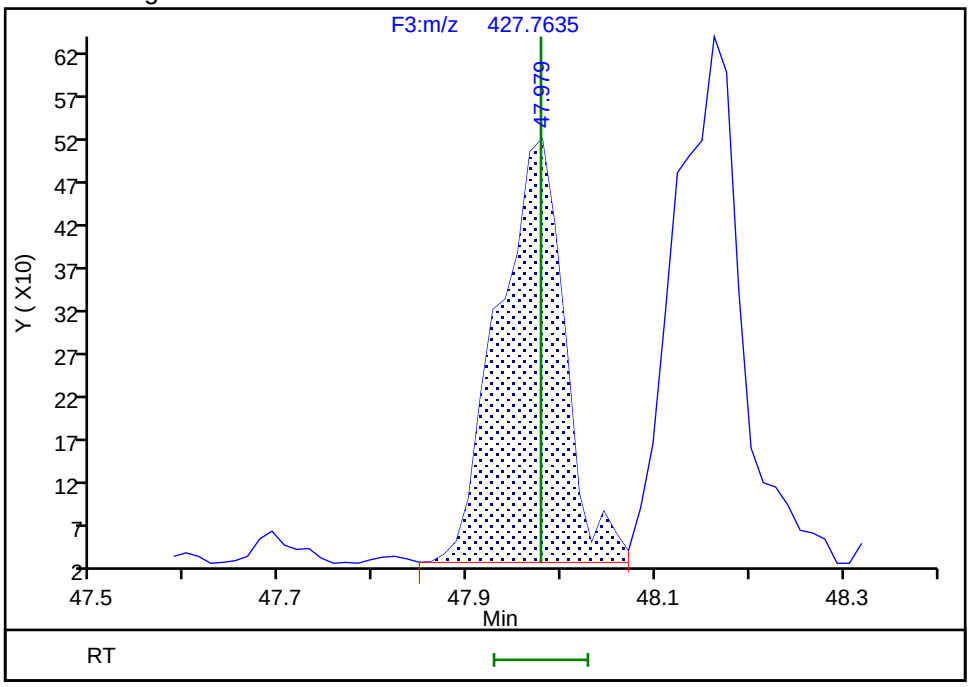
Not Detected
Expected RT: 47.98

Processing Integration Results




Manual Integration Results

RT: 47.98
Area: 2401
Amount: 0.382930
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:44:02
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

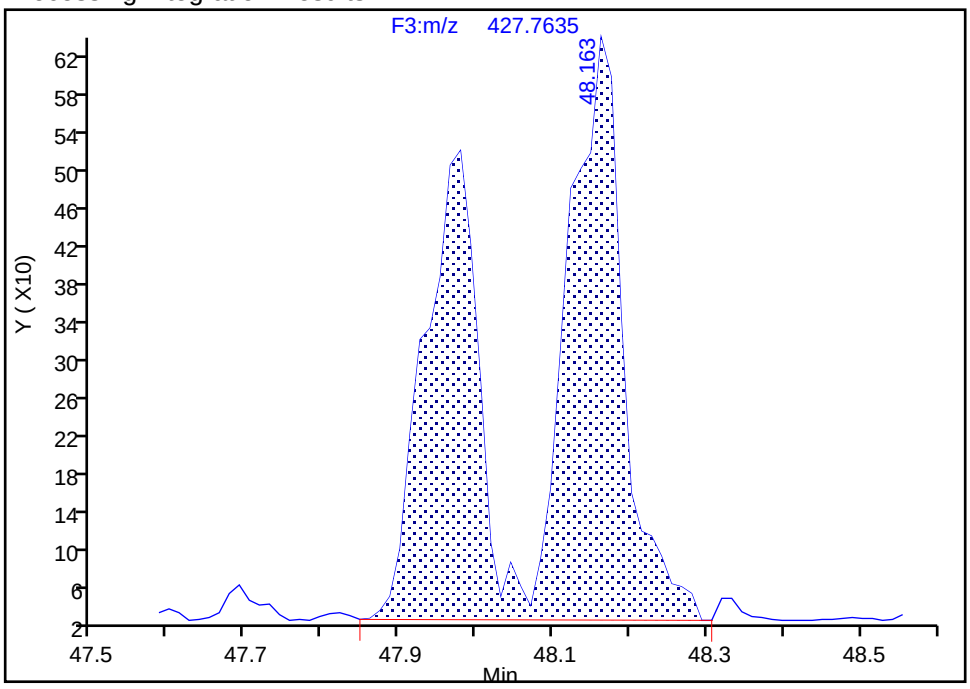
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-203, CAS: 52663-76-0

Signal: 1

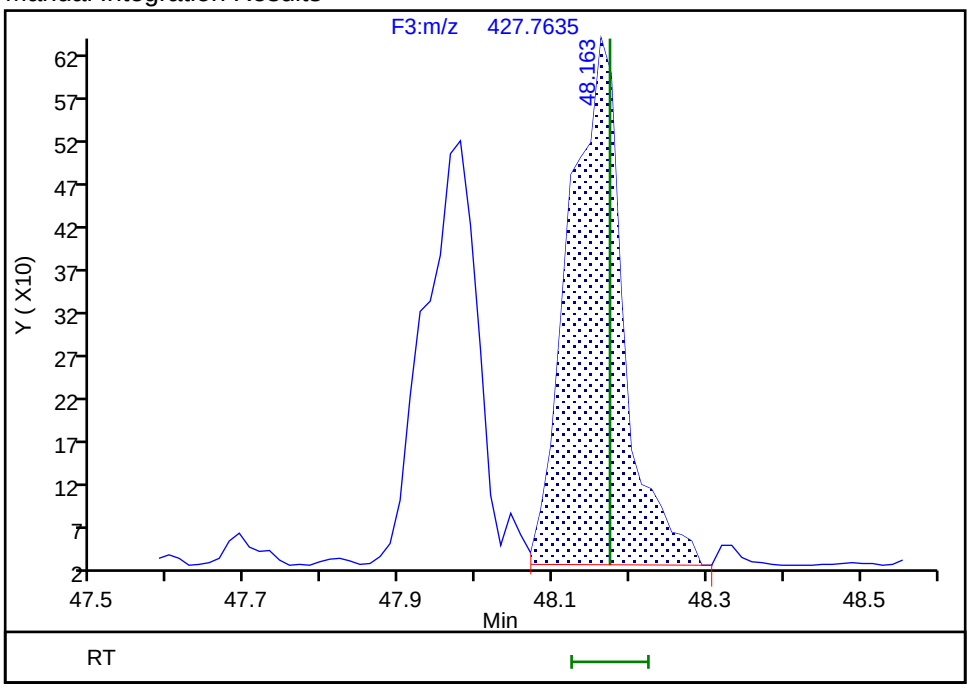
Processing Integration Results

RT: 48.16
Area: 5441
Amount: 0.630236
Amount Units: pg/ul




Manual Integration Results

RT: 48.16
Area: 3033
Amount: 0.464613
Amount Units: pg/ul



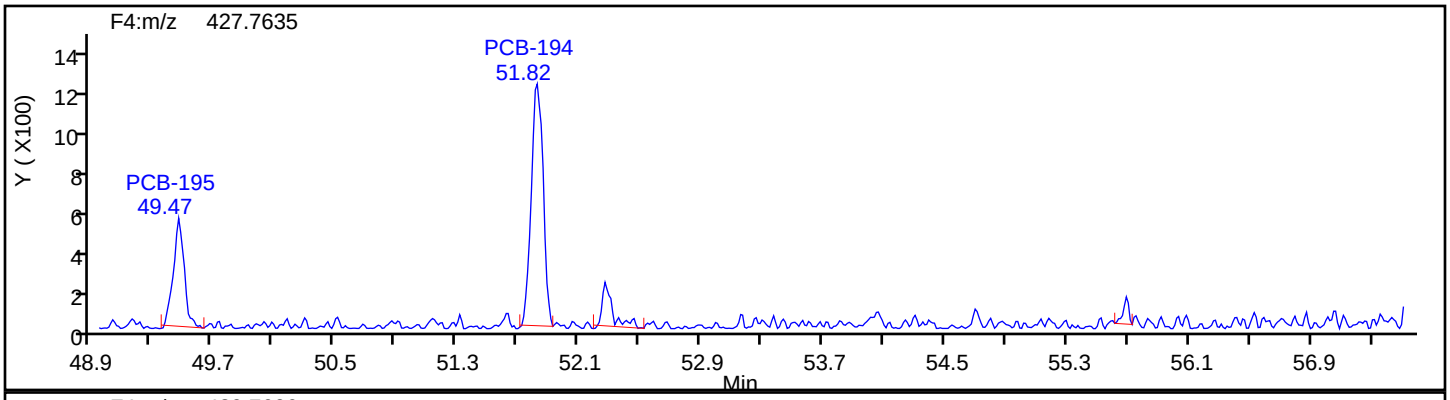

Reviewer: layk, 04-Oct-2019 09:43:56

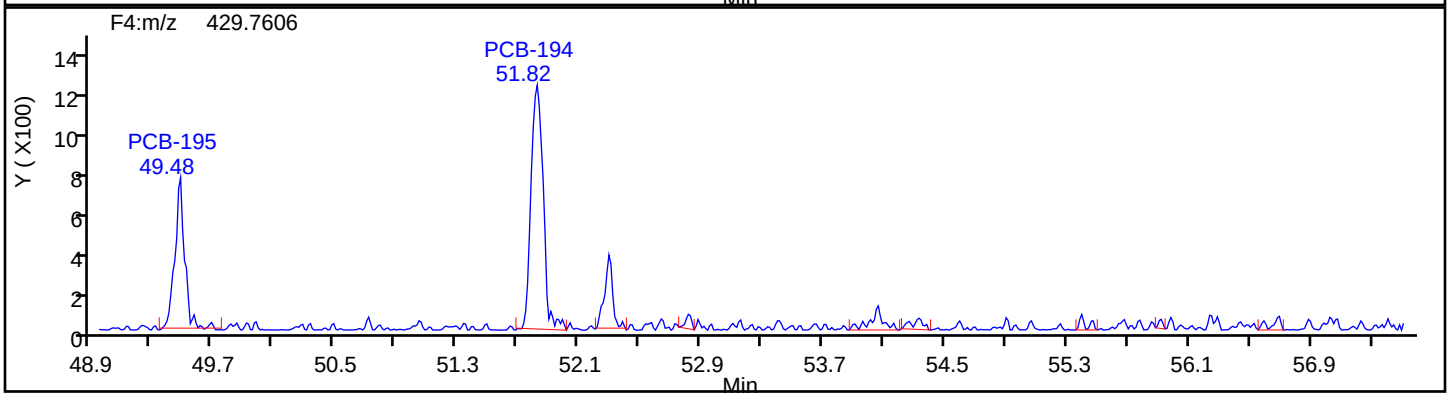
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

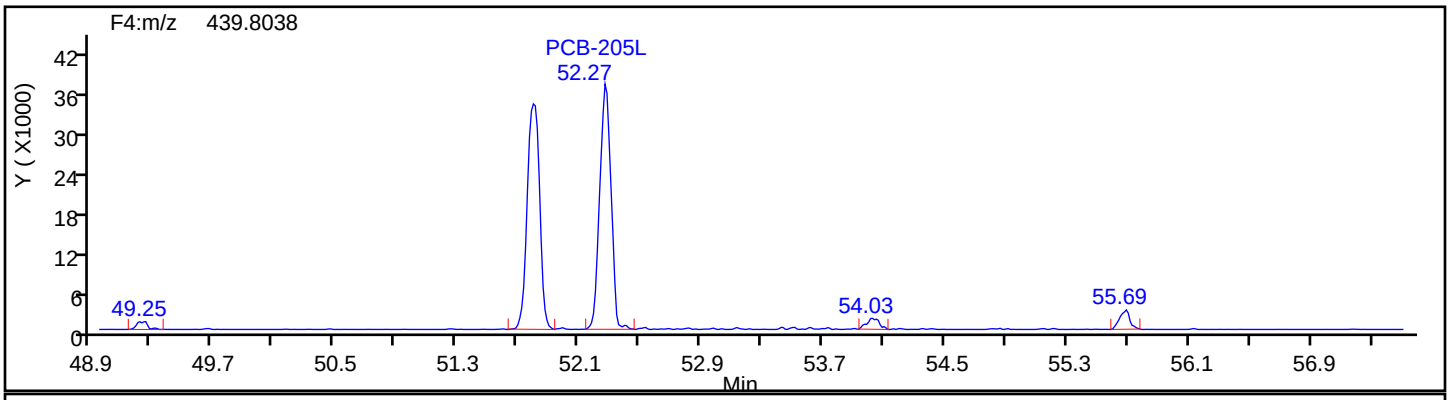
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

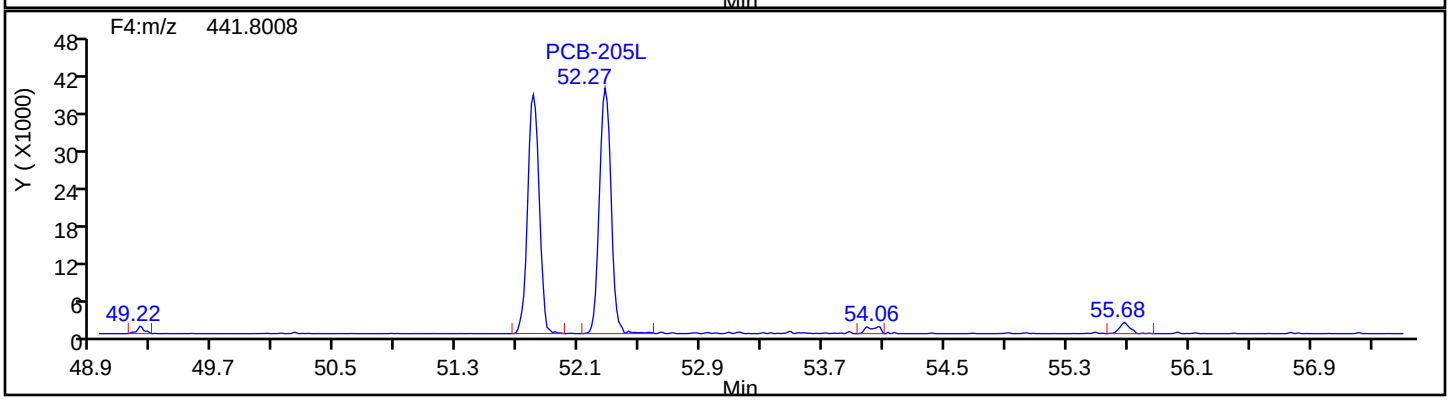
OcPCB F4




OcPCB F4 Standards

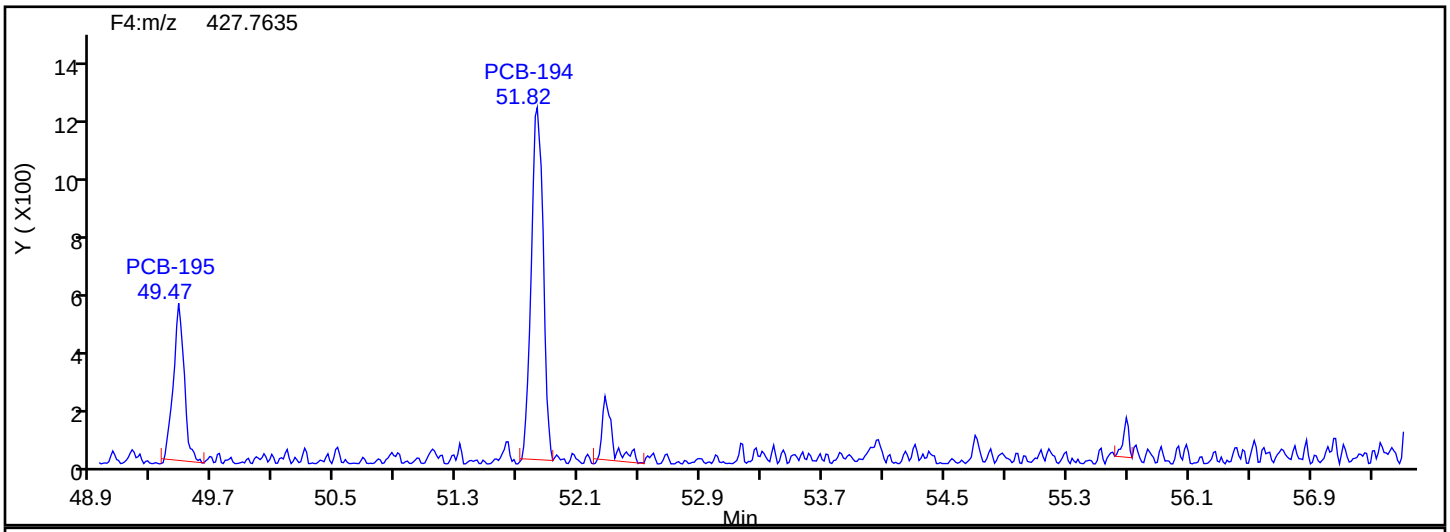


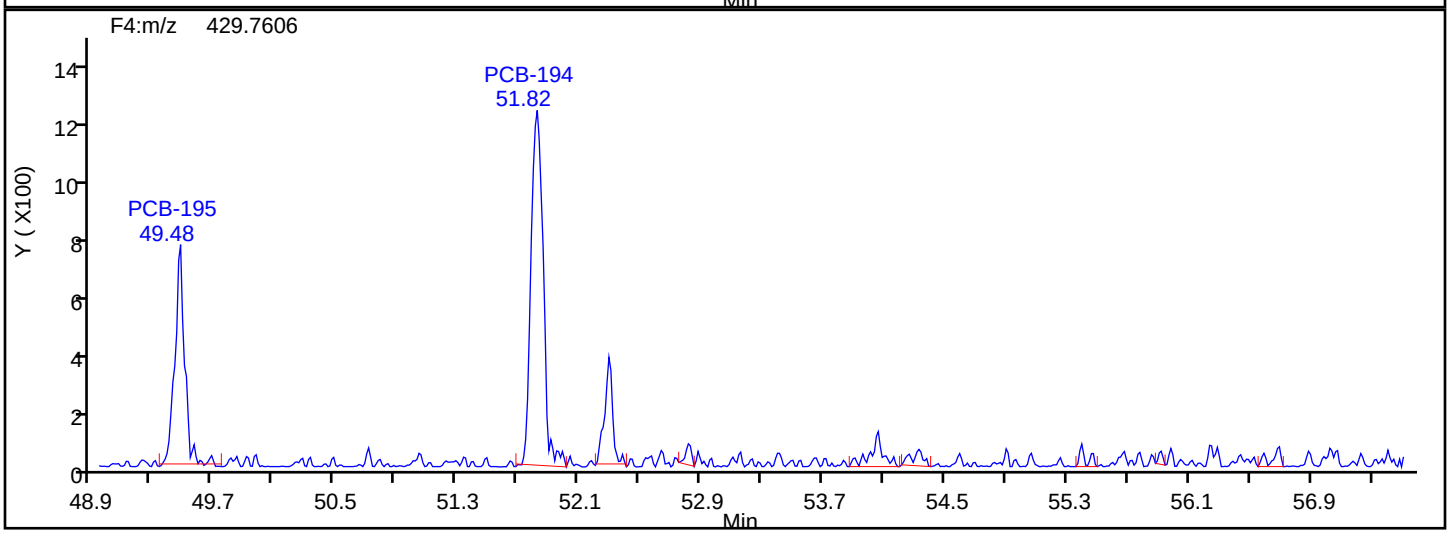



Eurofins TestAmerica, Knoxville

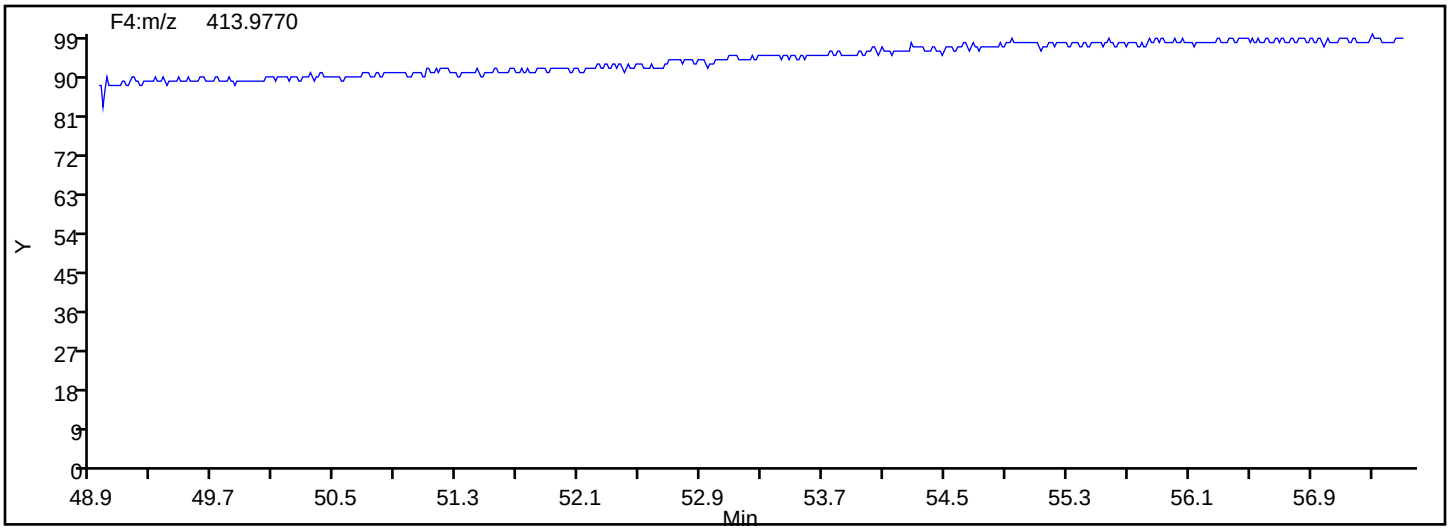
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass

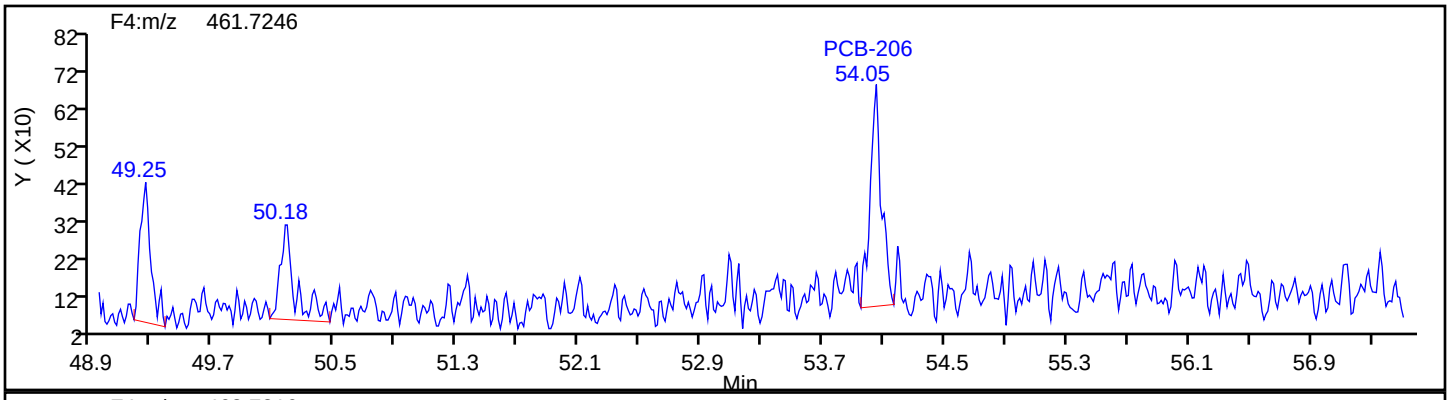


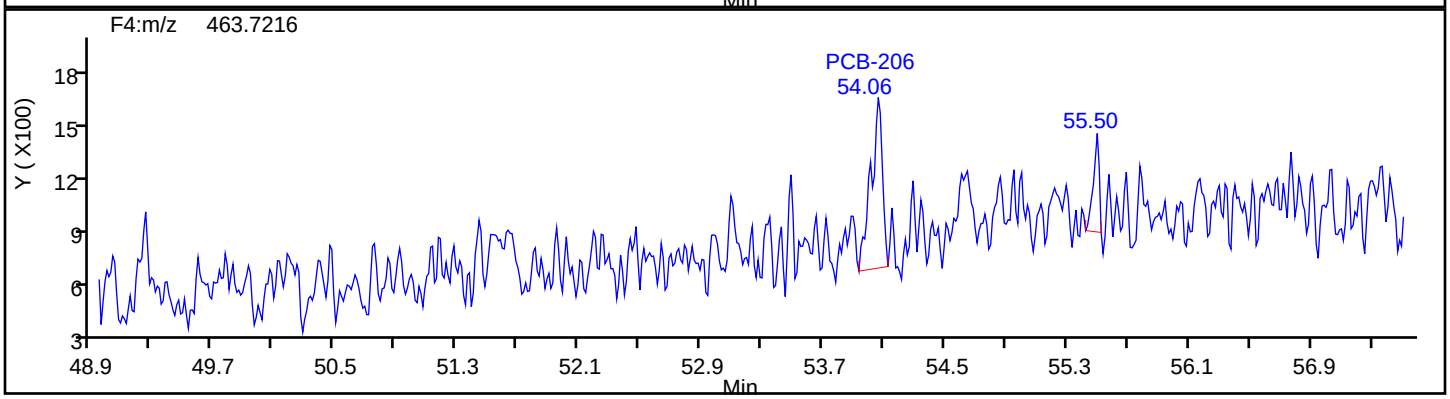
Report Date: 04-Oct-2019 14:05:50 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

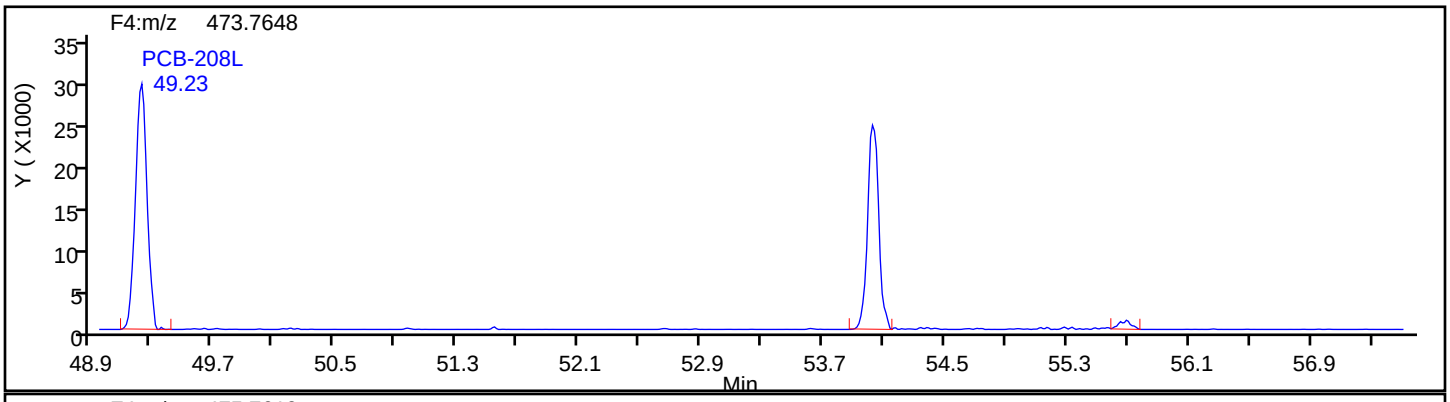
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

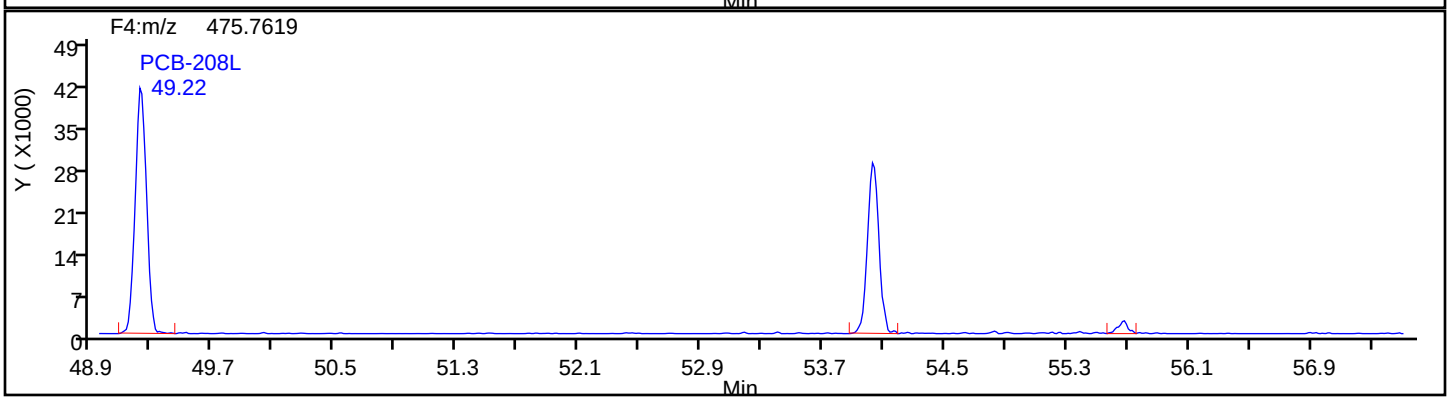
NoPCB F4




NoPCB F4 Standards

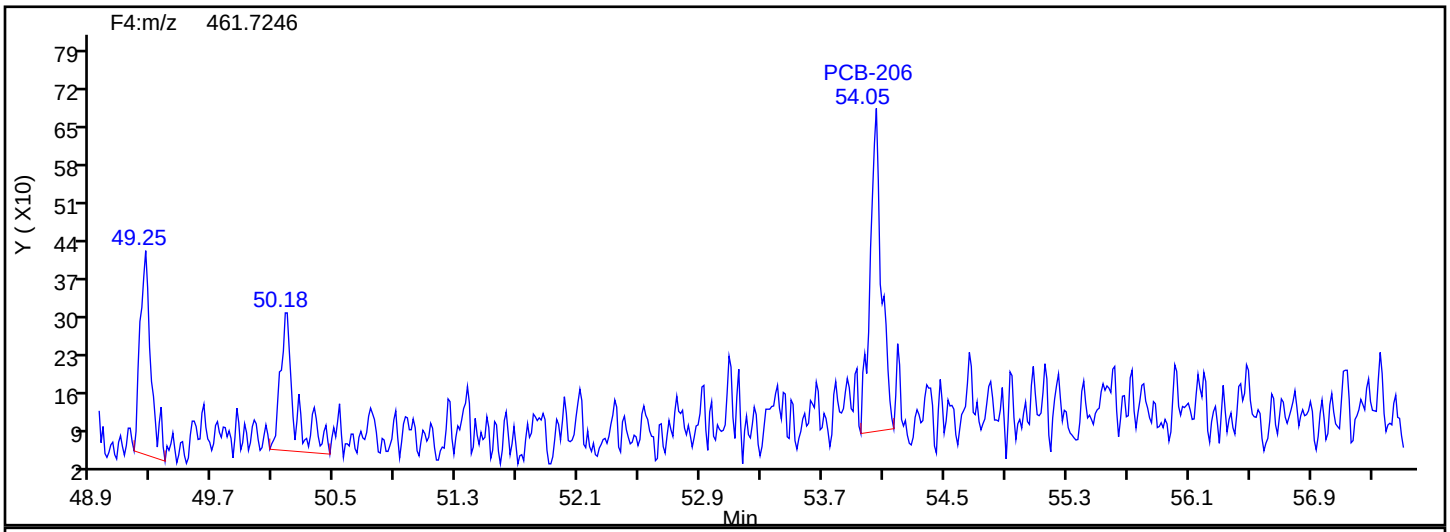


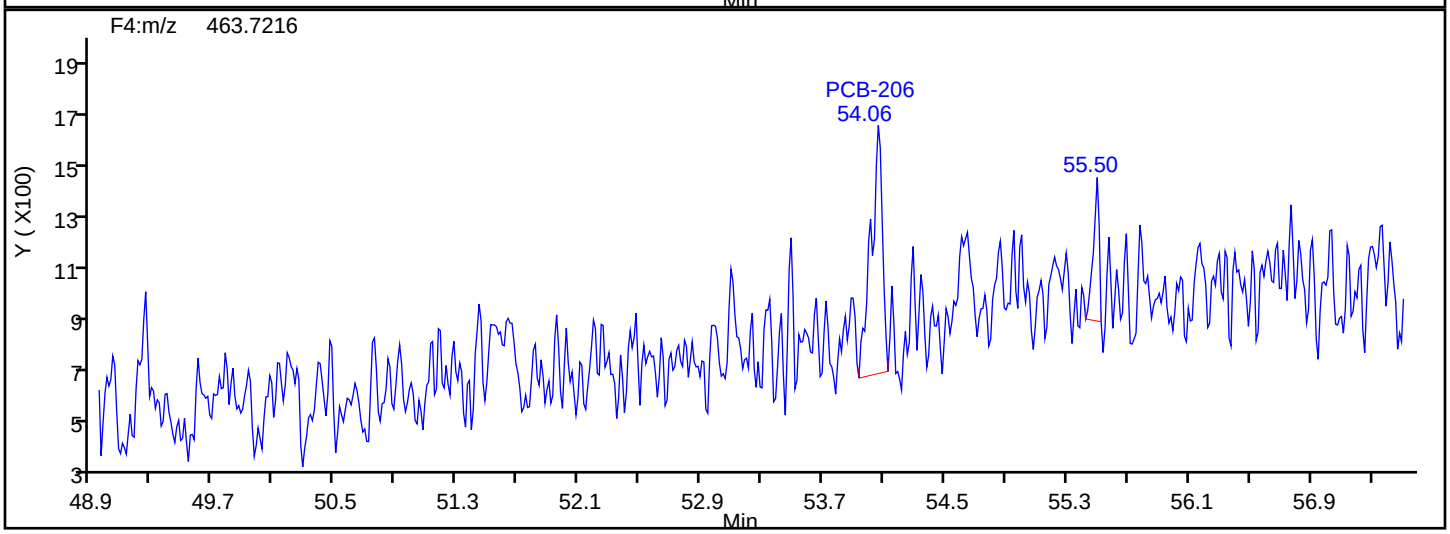



Eurofins TestAmerica, Knoxville

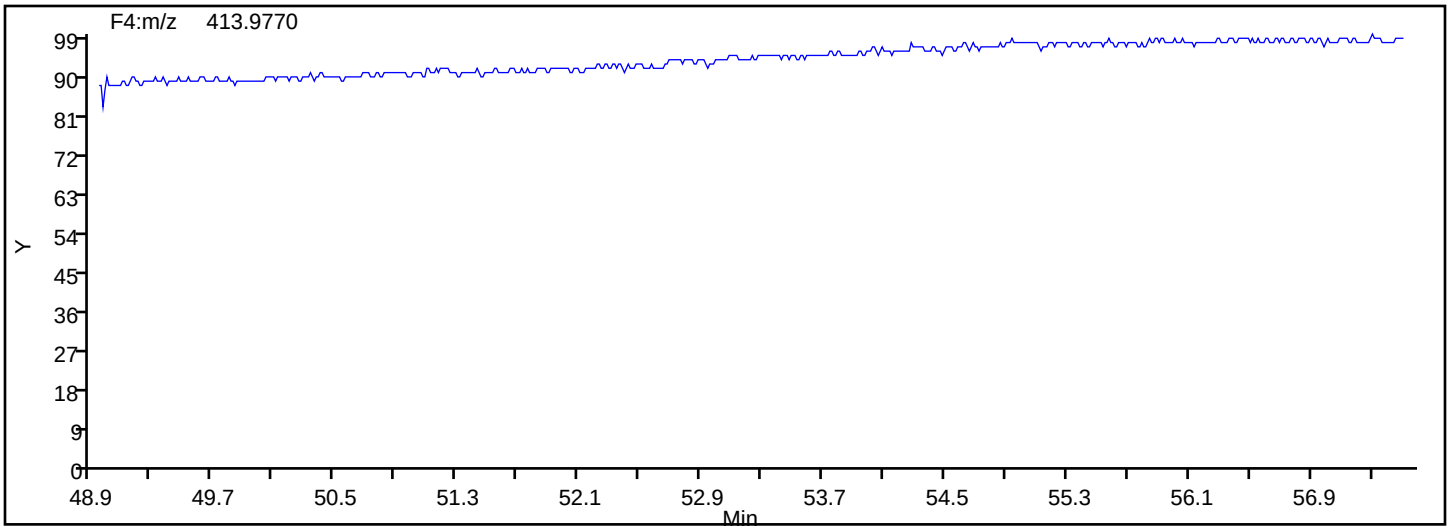
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

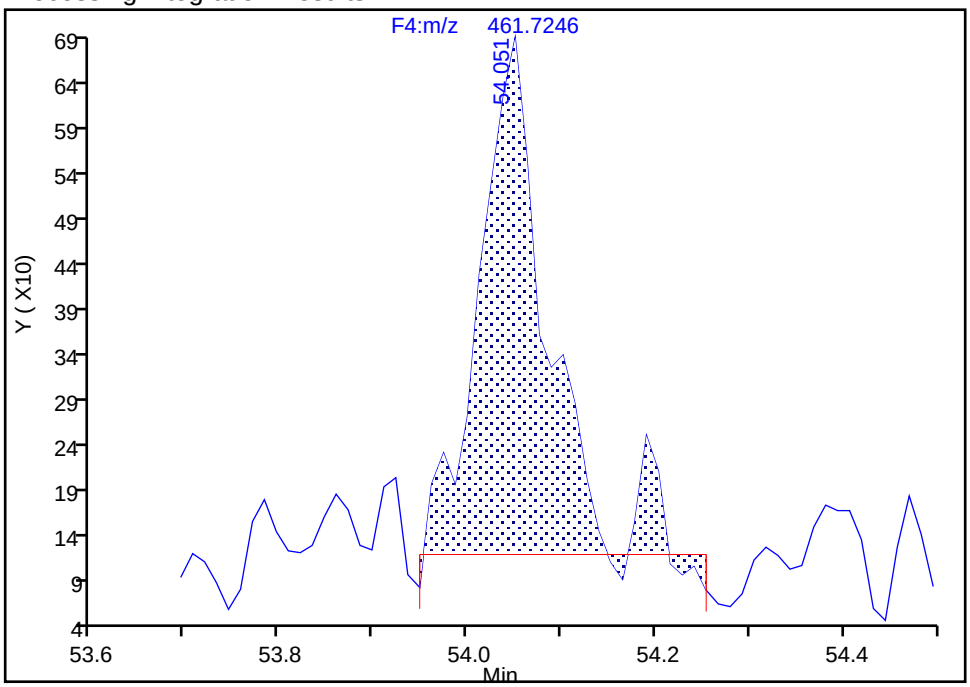
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

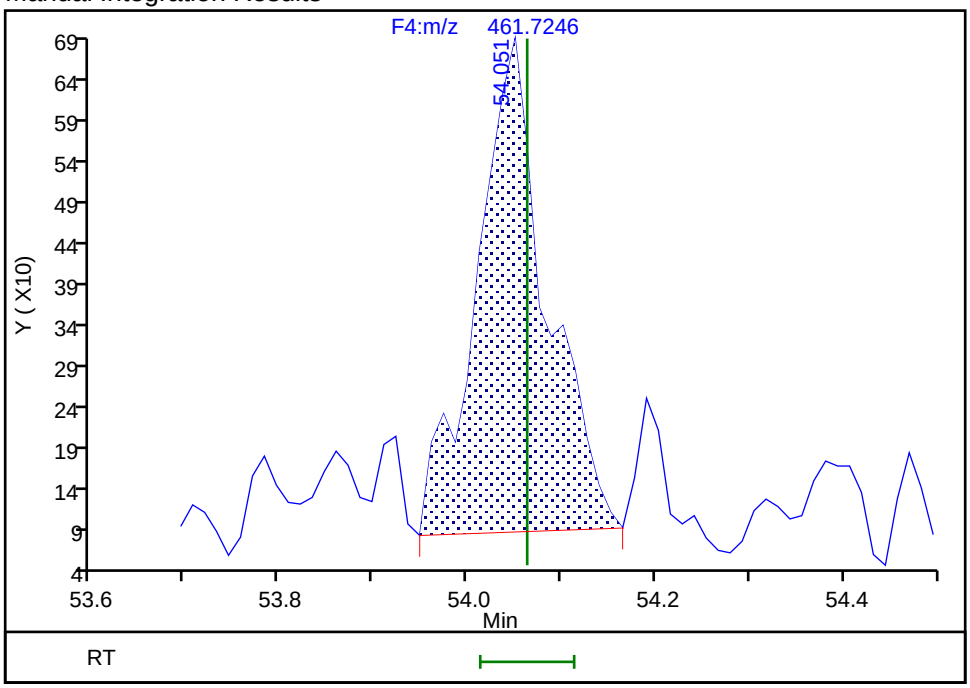
Processing Integration Results

RT: 54.05
Area: 2818
Amount: 0.367371
Amount Units: pg/ul




Manual Integration Results

RT: 54.05
Area: 3091
Amount: 0.478600
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:44:27

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

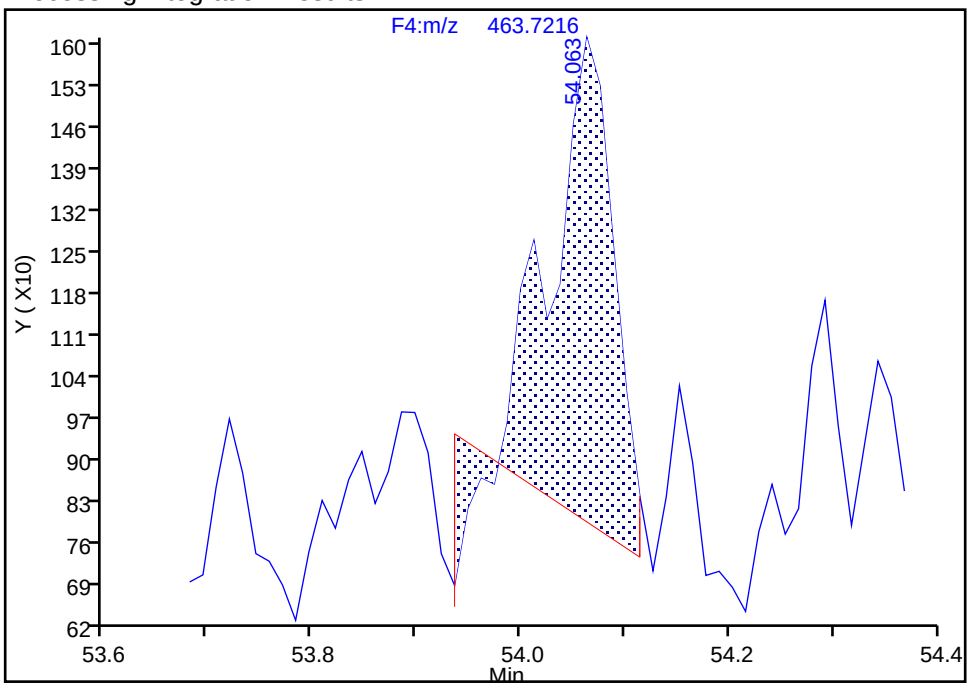
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-33-C | Lab Sample ID: | 140-88908-33 | | |
| Client ID: | J5-SC1b-90to100-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

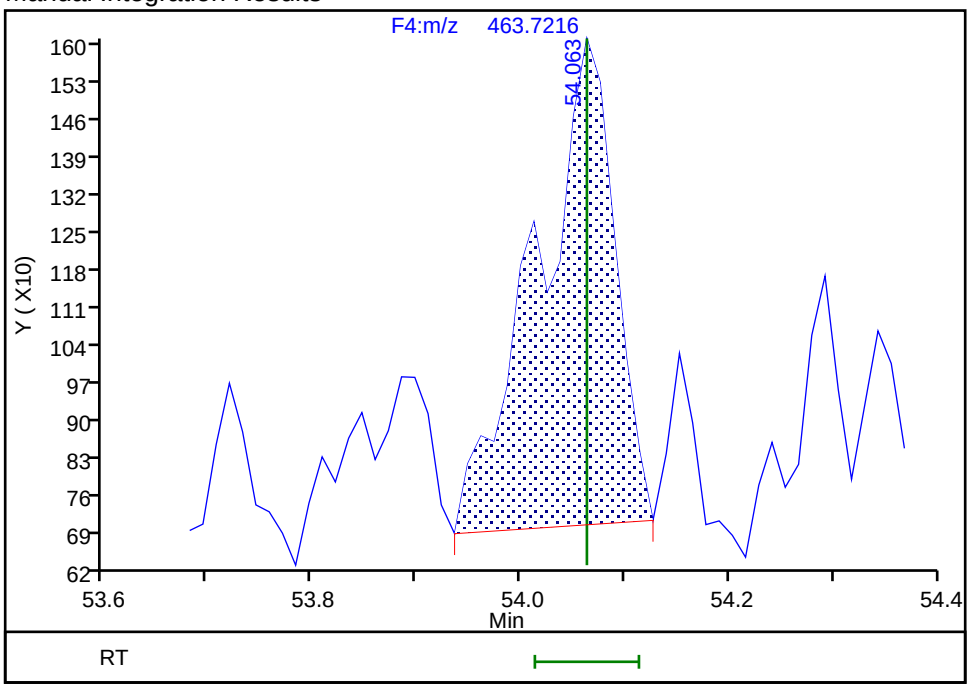
Processing Integration Results

RT: 54.06
Area: 3213
Amount: 0.367371
Amount Units: pg/ul




Manual Integration Results

RT: 54.06
Area: 4766
Amount: 0.478600
Amount Units: pg/ul



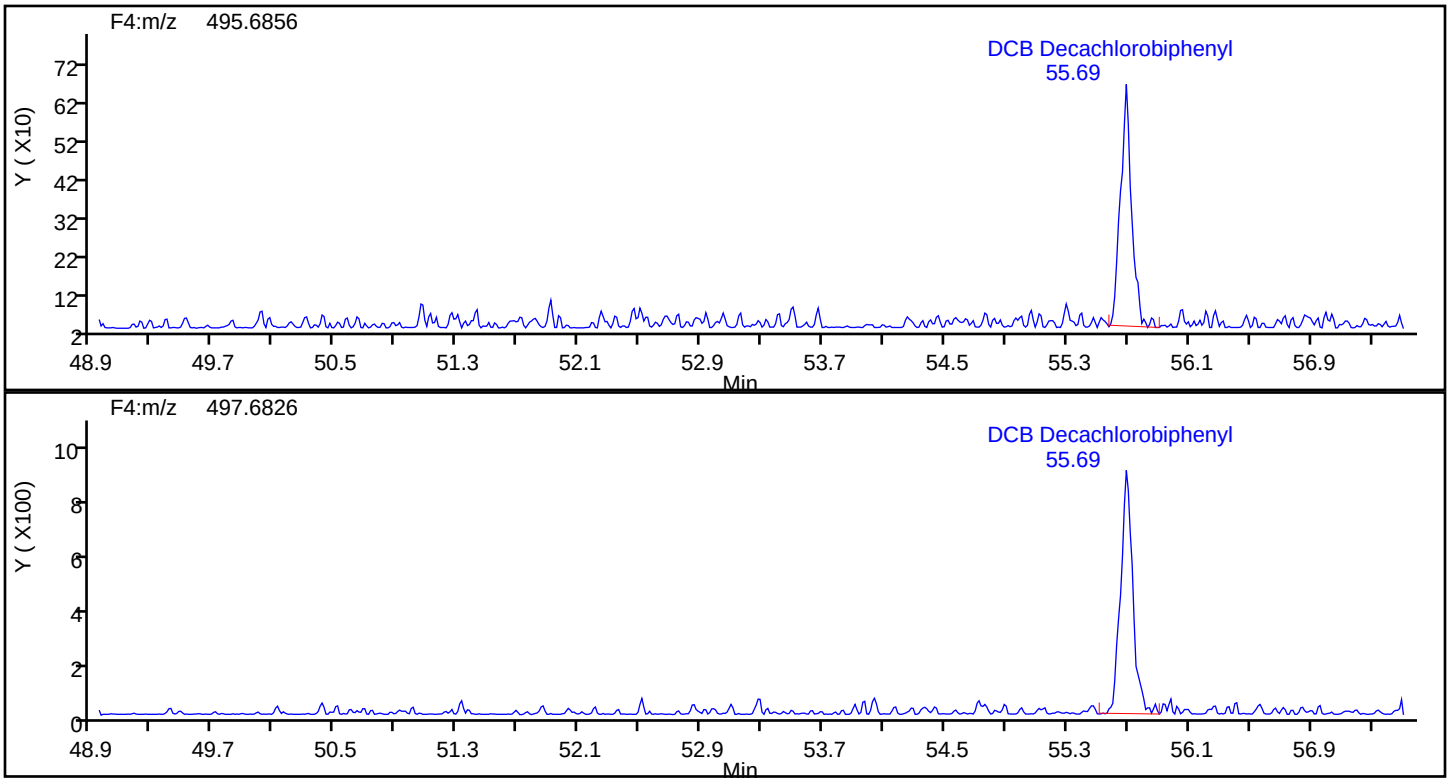

Reviewer: layk, 04-Oct-2019 09:44:30
Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 04-Oct-2019 14:05:51 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

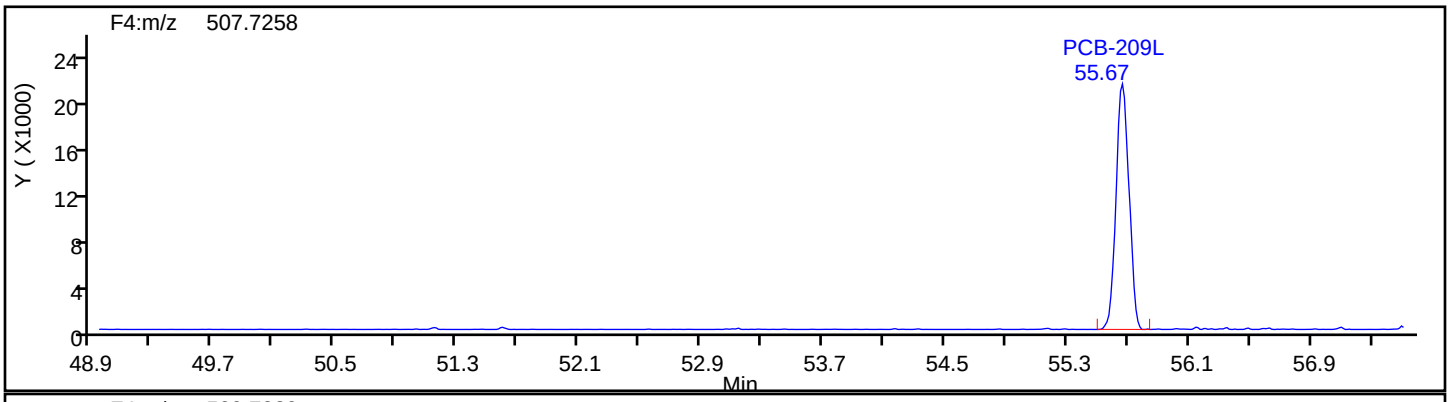
DePCB F4

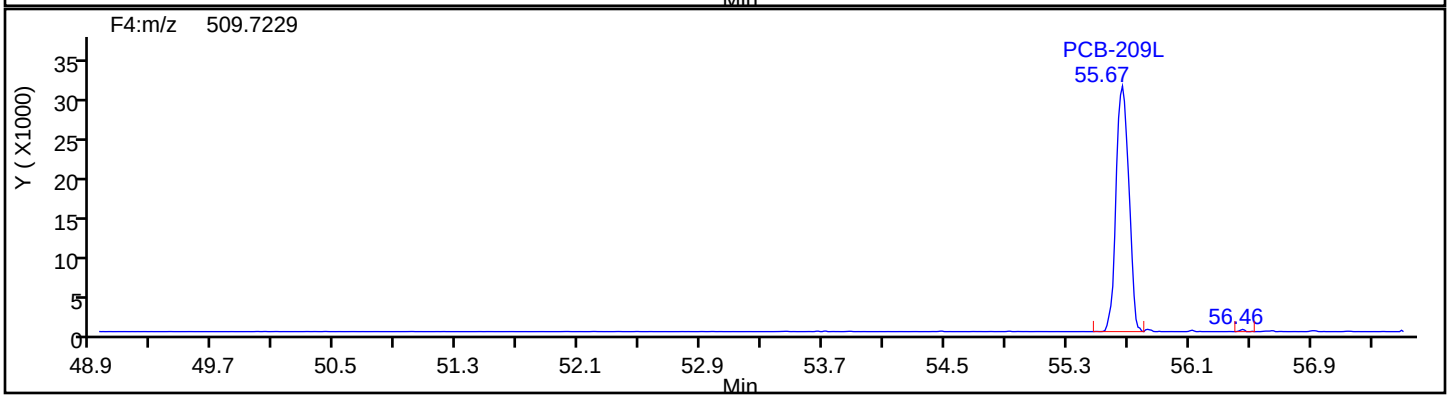






DePCB F4 Standards

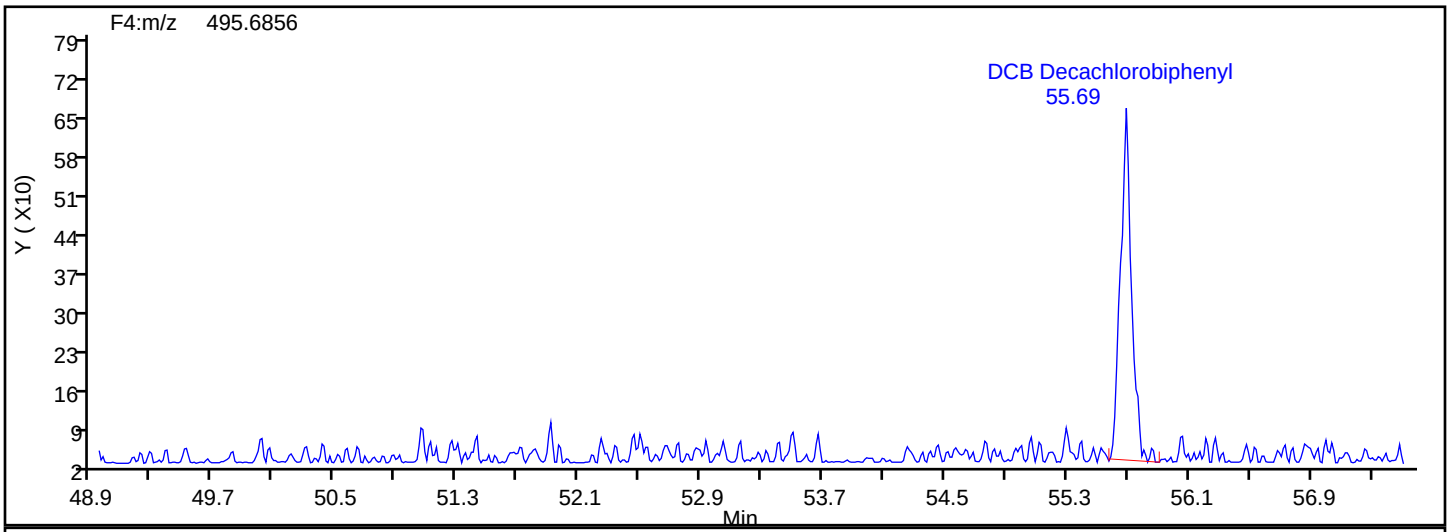


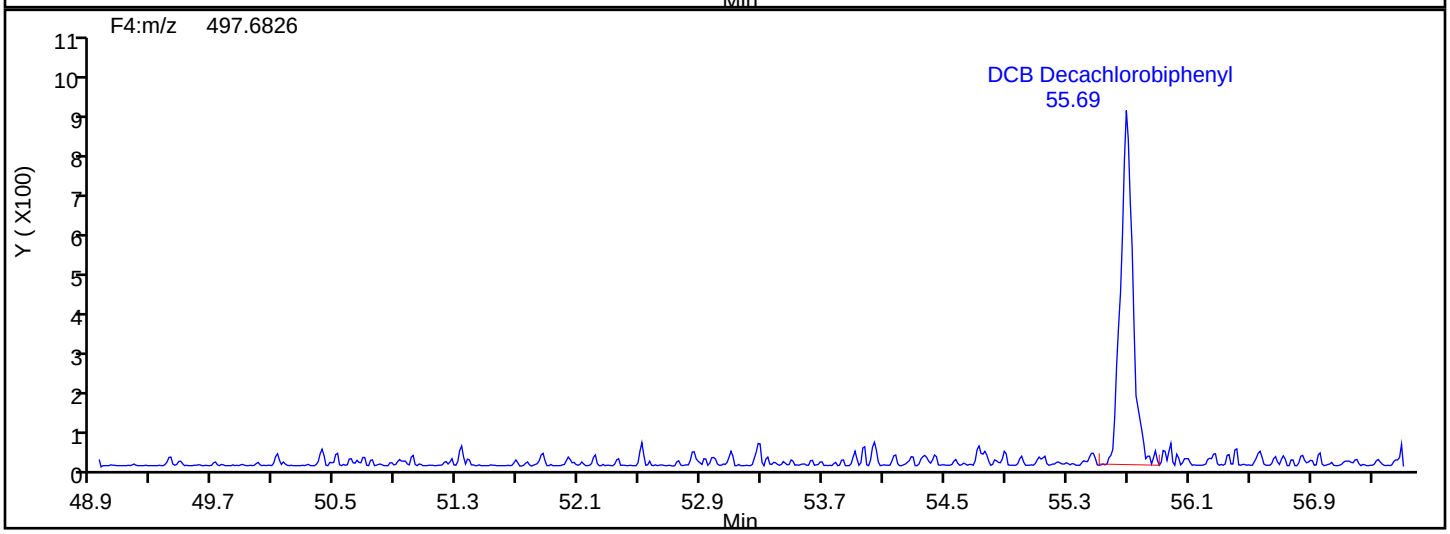



Eurofins TestAmerica, Knoxville

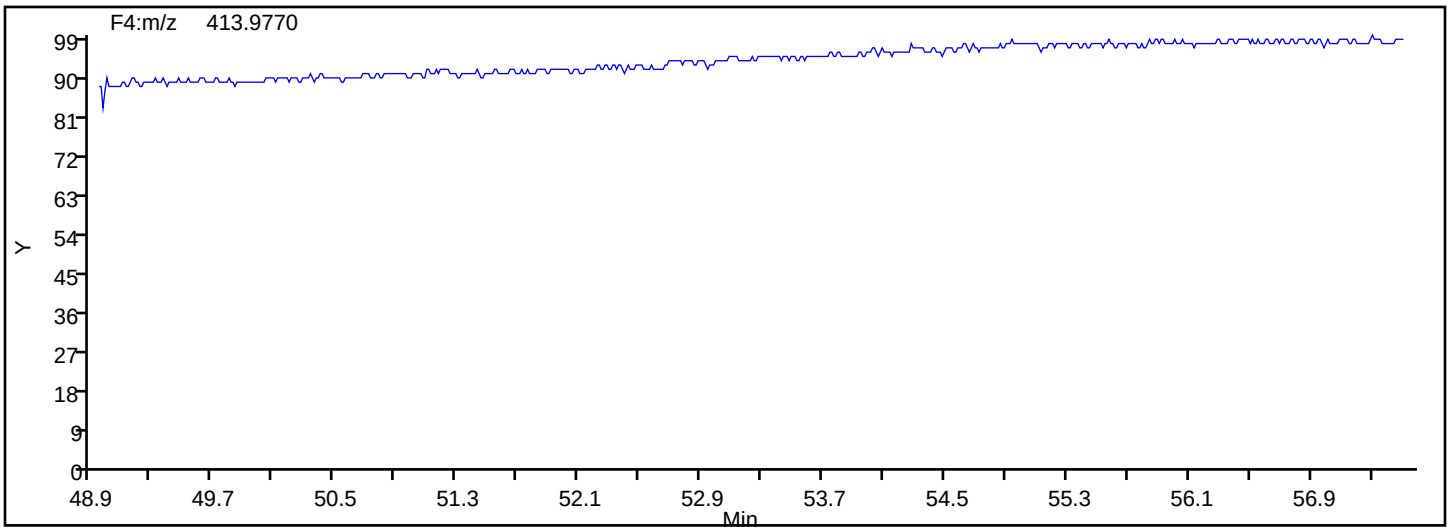
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-33-c.d | | |
| Injection Date: | 04-Oct-2019 02:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-90to100-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.00074 | J q | 0.0097 | 0.00018 |
| 2051-61-8 | PCB-2 | ND | | 0.0097 | 0.00019 |
| 2051-62-9 | PCB-3 | ND | | 0.0097 | 0.00021 |
| 13029-08-8 | PCB-4 | ND | | 0.019 | 0.00055 |
| 16605-91-7 | PCB-5 | ND | | 0.0097 | 0.00039 |
| 25569-80-6 | PCB-6 | ND | | 0.0097 | 0.00039 |
| 33284-50-3 | PCB-7 | ND | | 0.0097 | 0.00038 |
| 34883-43-7 | PCB-8 | 0.0017 | J q | 0.019 | 0.00038 |
| 34883-39-1 | PCB-9 | ND | | 0.0097 | 0.00043 |
| 33146-45-1 | PCB-10 | ND | | 0.0097 | 0.00041 |
| 2050-67-1 | PCB-11 | 0.0038 | J B | 0.019 | 0.00037 |
| 2974-92-7 | PCB-12 | ND | C | 0.019 | 0.00037 |
| 2974-90-5 | PCB-13 | ND | C12 | 0.019 | 0.00037 |
| 34883-41-5 | PCB-14 | ND | | 0.0097 | 0.00033 |
| 2050-68-2 | PCB-15 | ND | | 0.0097 | 0.00039 |
| 38444-78-9 | PCB-16 | ND | | 0.0097 | 0.00030 |
| 37680-66-3 | PCB-17 | 0.0016 | J B q | 0.0097 | 0.00024 |
| 37680-65-2 | PCB-18 | 0.0024 | J C B | 0.019 | 0.00020 |
| 38444-73-4 | PCB-19 | ND | | 0.0097 | 0.00028 |
| 38444-84-7 | PCB-20 | 0.0051 | J C B | 0.019 | 0.00038 |
| 55702-46-0 | PCB-21 | 0.0021 | J C B | 0.019 | 0.00036 |
| 38444-85-8 | PCB-22 | ND | | 0.0097 | 0.00040 |
| 55720-44-0 | PCB-23 | ND | | 0.0097 | 0.00039 |
| 55702-45-9 | PCB-24 | ND | | 0.0097 | 0.00018 |
| 55712-37-3 | PCB-25 | 0.00072 | J q | 0.0097 | 0.00037 |
| 38444-81-4 | PCB-26 | 0.0011 | J C B q | 0.019 | 0.00038 |
| 38444-76-7 | PCB-27 | ND | | 0.0097 | 0.00017 |
| 7012-37-5 | PCB-28 | 0.0051 | J B C20 | 0.019 | 0.00038 |
| 15862-07-4 | PCB-29 | 0.0011 | J C26 B q | 0.019 | 0.00038 |
| 35693-92-6 | PCB-30 | 0.0024 | J C18 B | 0.019 | 0.00020 |
| 16606-02-3 | PCB-31 | 0.0029 | J B q | 0.019 | 0.00036 |
| 38444-77-8 | PCB-32 | 0.0018 | J q | 0.0097 | 0.00016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38444-86-9 | PCB-33 | 0.0021 | J B C21 | 0.019 | 0.00036 |
| 37680-68-5 | PCB-34 | ND | | 0.0097 | 0.00041 |
| 37680-69-6 | PCB-35 | ND | | 0.0097 | 0.00041 |
| 38444-87-0 | PCB-36 | ND | | 0.0097 | 0.00037 |
| 38444-90-5 | PCB-37 | ND | | 0.0097 | 0.00039 |
| 53555-66-1 | PCB-38 | ND | | 0.0097 | 0.00038 |
| 38444-88-1 | PCB-39 | ND | | 0.0097 | 0.00036 |
| 38444-93-8 | PCB-40 | 0.012 | J C | 0.029 | 0.00062 |
| 52663-59-9 | PCB-41 | 0.012 | J C40 | 0.029 | 0.00062 |
| 36559-22-5 | PCB-42 | 0.0028 | J q | 0.0097 | 0.00066 |
| 70362-46-8 | PCB-43 | ND | C | 0.019 | 0.00057 |
| 41464-39-5 | PCB-44 | 0.036 | C B | 0.029 | 0.00055 |
| 70362-45-7 | PCB-45 | 0.015 | J C B | 0.019 | 0.00064 |
| 41464-47-5 | PCB-46 | ND | | 0.0097 | 0.00075 |
| 2437-79-8 | PCB-47 | 0.036 | B C44 | 0.029 | 0.00055 |
| 70362-47-9 | PCB-48 | ND | | 0.0097 | 0.00060 |
| 41464-40-8 | PCB-49 | 0.025 | C B | 0.019 | 0.00050 |
| 62796-65-0 | PCB-50 | 0.0092 | J C | 0.019 | 0.00061 |
| 68194-04-7 | PCB-51 | 0.015 | J C45 B | 0.019 | 0.00064 |
| 35693-99-3 | PCB-52 | 0.032 | B | 0.0097 | 0.00063 |
| 41464-41-9 | PCB-53 | 0.0092 | J C50 | 0.019 | 0.00061 |
| 15968-05-5 | PCB-54 | 0.0030 | J q | 0.0097 | 0.00026 |
| 74338-24-2 | PCB-55 | ND | | 0.0097 | 0.00044 |
| 41464-43-1 | PCB-56 | 0.0025 | J q | 0.0097 | 0.00045 |
| 70424-67-8 | PCB-57 | ND | | 0.0097 | 0.00044 |
| 41464-49-7 | PCB-58 | ND | | 0.0097 | 0.00043 |
| 74472-33-6 | PCB-59 | ND | C | 0.029 | 0.00042 |
| 33025-41-1 | PCB-60 | ND | | 0.0097 | 0.00043 |
| 33284-53-6 | PCB-61 | 0.016 | J C B | 0.039 | 0.00042 |
| 54230-22-7 | PCB-62 | ND | C59 | 0.029 | 0.00042 |
| 74472-34-7 | PCB-63 | ND | | 0.0097 | 0.00039 |
| 52663-58-8 | PCB-64 | 0.0014 | J q | 0.0097 | 0.00040 |
| 33284-54-7 | PCB-65 | 0.036 | B C44 | 0.029 | 0.00055 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 32598-10-0 | PCB-66 | 0.0066 | J B q | 0.0097 | 0.00044 |
| 73575-53-8 | PCB-67 | ND | | 0.0097 | 0.00041 |
| 73575-52-7 | PCB-68 | 0.0015 | J B q | 0.0097 | 0.00039 |
| 60233-24-1 | PCB-69 | 0.025 | B C49 | 0.019 | 0.00050 |
| 32598-11-1 | PCB-70 | 0.016 | J C61 B | 0.039 | 0.00042 |
| 41464-46-4 | PCB-71 | 0.012 | J C40 | 0.029 | 0.00062 |
| 41464-42-0 | PCB-72 | ND | | 0.0097 | 0.00043 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.019 | 0.00057 |
| 32690-93-0 | PCB-74 | 0.016 | J C61 B | 0.039 | 0.00042 |
| 32598-12-2 | PCB-75 | ND | C59 | 0.029 | 0.00042 |
| 70362-48-0 | PCB-76 | 0.016 | J C61 B | 0.039 | 0.00042 |
| 32598-13-3 | PCB-77 | ND | | 0.0097 | 0.00042 |
| 70362-49-1 | PCB-78 | ND | | 0.0097 | 0.00043 |
| 41464-48-6 | PCB-79 | ND | | 0.0097 | 0.00037 |
| 33284-52-5 | PCB-80 | ND | | 0.0097 | 0.00039 |
| 70362-50-4 | PCB-81 | ND | | 0.0097 | 0.00044 |
| 52663-62-4 | PCB-82 | 0.0035 | J B q | 0.0097 | 0.0012 |
| 60145-20-2 | PCB-83 | 0.037 | C B q | 0.019 | 0.0011 |
| 52663-60-2 | PCB-84 | 0.0073 | J B q | 0.0097 | 0.0012 |
| 65510-45-4 | PCB-85 | ND | C | 0.029 | 0.00085 |
| 55312-69-1 | PCB-86 | 0.024 | J C B | 0.058 | 0.00086 |
| 38380-02-8 | PCB-87 | 0.024 | J B C86 | 0.058 | 0.00086 |
| 55215-17-3 | PCB-88 | 0.012 | J C B | 0.019 | 0.0010 |
| 73575-57-2 | PCB-89 | ND | | 0.0097 | 0.0012 |
| 68194-07-0 | PCB-90 | 0.060 | C B | 0.029 | 0.00091 |
| 68194-05-8 | PCB-91 | 0.012 | J C88 B | 0.019 | 0.0010 |
| 52663-61-3 | PCB-92 | 0.017 | B | 0.0097 | 0.0011 |
| 73575-56-1 | PCB-93 | 0.0037 | J C q | 0.019 | 0.0011 |
| 73575-55-0 | PCB-94 | ND | | 0.0097 | 0.0011 |
| 38379-99-6 | PCB-95 | 0.050 | B | 0.0097 | 0.0011 |
| 73575-54-9 | PCB-96 | ND | | 0.0097 | 0.00084 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 41464-51-1 | PCB-97 | 0.024 | J B C86 | 0.058 | 0.00086 |
| 60233-25-2 | PCB-98 | 0.0084 | J C | 0.019 | 0.0010 |
| 38380-01-7 | PCB-99 | 0.037 | C83 B q | 0.019 | 0.0011 |
| 39485-83-1 | PCB-100 | 0.0037 | J C93 q | 0.019 | 0.0011 |
| 37680-73-2 | PCB-101 | 0.060 | B C90 | 0.029 | 0.00091 |
| 68194-06-9 | PCB-102 | 0.0084 | J C98 | 0.019 | 0.0010 |
| 60145-21-3 | PCB-103 | 0.0044 | J | 0.0097 | 0.0010 |
| 56558-16-8 | PCB-104 | ND | | 0.0097 | 0.00074 |
| 32598-14-4 | PCB-105 | 0.0059 | J B q | 0.0097 | 0.00052 |
| 70424-69-0 | PCB-106 | ND | | 0.0097 | 0.00052 |
| 70424-68-9 | PCB-107 | 0.0030 | J B q | 0.0097 | 0.00049 |
| 70362-41-3 | PCB-108 | ND | C | 0.019 | 0.00053 |
| 74472-35-8 | PCB-109 | 0.024 | J B C86 | 0.058 | 0.00086 |
| 38380-03-9 | PCB-110 | 0.044 | C B | 0.019 | 0.00077 |
| 39635-32-0 | PCB-111 | ND | | 0.0097 | 0.00072 |
| 74472-36-9 | PCB-112 | ND | | 0.0097 | 0.00076 |
| 68194-10-5 | PCB-113 | 0.060 | B C90 | 0.029 | 0.00091 |
| 74472-37-0 | PCB-114 | ND | | 0.0097 | 0.00048 |
| 74472-38-1 | PCB-115 | 0.044 | B C110 | 0.019 | 0.00077 |
| 18259-05-7 | PCB-116 | ND | C85 | 0.029 | 0.00085 |
| 68194-11-6 | PCB-117 | ND | C85 | 0.029 | 0.00085 |
| 31508-00-6 | PCB-118 | 0.022 | B | 0.0097 | 0.00048 |
| 56558-17-9 | PCB-119 | 0.024 | J B C86 | 0.058 | 0.00086 |
| 68194-12-7 | PCB-120 | ND | | 0.0097 | 0.00069 |
| 56558-18-0 | PCB-121 | ND | | 0.0097 | 0.00074 |
| 76842-07-4 | PCB-122 | ND | | 0.0097 | 0.00057 |
| 65510-44-3 | PCB-123 | ND | | 0.0097 | 0.00050 |
| 70424-70-3 | PCB-124 | ND | C108 | 0.019 | 0.00053 |
| 74472-39-2 | PCB-125 | 0.024 | J B C86 | 0.058 | 0.00086 |
| 57465-28-8 | PCB-126 | ND | | 0.0097 | 0.00051 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 39635-33-1 | PCB-127 | ND | | 0.0097 | 0.00052 |
| 38380-07-3 | PCB-128 | 0.0065 | J C B | 0.019 | 0.00083 |
| 55215-18-4 | PCB-129 | 0.047 | C B | 0.039 | 0.00085 |
| 52663-66-8 | PCB-130 | 0.0039 | J B q | 0.0097 | 0.0011 |
| 61798-70-7 | PCB-131 | ND | | 0.0097 | 0.0011 |
| 38380-05-1 | PCB-132 | 0.016 | B | 0.0097 | 0.0011 |
| 35694-04-3 | PCB-133 | 0.0013 | J q | 0.0097 | 0.0010 |
| 52704-70-8 | PCB-134 | 0.0032 | J C | 0.019 | 0.0011 |
| 52744-13-5 | PCB-135 | 0.035 | C B | 0.019 | 0.00041 |
| 38411-22-2 | PCB-136 | 0.015 | B | 0.0097 | 0.00031 |
| 35694-06-5 | PCB-137 | 0.0012 | J q | 0.0097 | 0.00087 |
| 35065-28-2 | PCB-138 | 0.047 | B C129 | 0.039 | 0.00085 |
| 56030-56-9 | PCB-139 | ND | C | 0.019 | 0.00093 |
| 59291-64-4 | PCB-140 | ND | C139 | 0.019 | 0.00093 |
| 52712-04-6 | PCB-141 | 0.0088 | J B | 0.0097 | 0.00096 |
| 41411-61-4 | PCB-142 | ND | | 0.0097 | 0.0011 |
| 68194-15-0 | PCB-143 | 0.0032 | J C134 | 0.019 | 0.0011 |
| 68194-14-9 | PCB-144 | 0.0027 | J q | 0.0097 | 0.00039 |
| 74472-40-5 | PCB-145 | ND | | 0.0097 | 0.00030 |
| 51908-16-8 | PCB-146 | 0.019 | B | 0.0097 | 0.00092 |
| 68194-13-8 | PCB-147 | 0.061 | C B | 0.019 | 0.00095 |
| 74472-41-6 | PCB-148 | 0.0016 | J | 0.0097 | 0.00040 |
| 38380-04-0 | PCB-149 | 0.061 | B C147 | 0.019 | 0.00095 |
| 68194-08-1 | PCB-150 | 0.00094 | J q | 0.0097 | 0.00029 |
| 52663-63-5 | PCB-151 | 0.035 | C135 B | 0.019 | 0.00041 |
| 68194-09-2 | PCB-152 | ND | | 0.0097 | 0.00029 |
| 35065-27-1 | PCB-153 | 0.057 | C B | 0.019 | 0.00076 |
| 60145-22-4 | PCB-154 | 0.0055 | J q | 0.0097 | 0.00035 |
| 33979-03-2 | PCB-155 | ND | | 0.0097 | 0.00028 |
| 38380-08-4 | PCB-156 | 0.0039 | J C B q | 0.019 | 0.00091 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 69782-90-7 | PCB-157 | 0.0039 | J C156 B q | 0.019 | 0.00091 |
| 74472-42-7 | PCB-158 | 0.0051 | J B | 0.0097 | 0.00067 |
| 39635-35-3 | PCB-159 | ND | | 0.0097 | 0.00070 |
| 41411-62-5 | PCB-160 | 0.047 | B C129 | 0.039 | 0.00085 |
| 74472-43-8 | PCB-161 | ND | | 0.0097 | 0.00069 |
| 39635-34-2 | PCB-162 | ND | | 0.0097 | 0.00068 |
| 74472-44-9 | PCB-163 | 0.047 | B C129 | 0.039 | 0.00085 |
| 74472-45-0 | PCB-164 | 0.0042 | J B q | 0.0097 | 0.00074 |
| 74472-46-1 | PCB-165 | ND | | 0.0097 | 0.00083 |
| 41411-63-6 | PCB-166 | 0.0065 | J C128 B | 0.019 | 0.00083 |
| 52663-72-6 | PCB-167 | ND | | 0.0097 | 0.00057 |
| 59291-65-5 | PCB-168 | 0.057 | B C153 | 0.019 | 0.00076 |
| 32774-16-6 | PCB-169 | ND | | 0.0097 | 0.00060 |
| 35065-30-6 | PCB-170 | 0.018 | B | 0.0097 | 0.00062 |
| 52663-71-5 | PCB-171 | 0.0064 | J C B | 0.019 | 0.00064 |
| 52663-74-8 | PCB-172 | 0.0038 | J B | 0.0097 | 0.00062 |
| 68194-16-1 | PCB-173 | 0.0064 | J C171 B | 0.019 | 0.00064 |
| 38411-25-5 | PCB-174 | 0.019 | B | 0.0097 | 0.00064 |
| 40186-70-7 | PCB-175 | 0.0014 | J q | 0.0097 | 0.00057 |
| 52663-65-7 | PCB-176 | 0.0025 | J B | 0.0097 | 0.00040 |
| 52663-70-4 | PCB-177 | 0.016 | B | 0.0097 | 0.00065 |
| 52663-67-9 | PCB-178 | 0.0047 | J B q | 0.0097 | 0.00060 |
| 52663-64-6 | PCB-179 | 0.0097 | B | 0.0097 | 0.00043 |
| 35065-29-3 | PCB-180 | 0.039 | C B | 0.019 | 0.00050 |
| 74472-47-2 | PCB-181 | ND | | 0.0097 | 0.00055 |
| 60145-23-5 | PCB-182 | ND | | 0.0097 | 0.00053 |
| 52663-69-1 | PCB-183 | 0.015 | J C B | 0.019 | 0.00054 |
| 74472-48-3 | PCB-184 | ND | | 0.0097 | 0.00043 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52712-05-7 | PCB-185 | 0.015 | J B C183 | 0.019 | 0.00054 |
| 74472-49-4 | PCB-186 | ND | | 0.0097 | 0.00043 |
| 52663-68-0 | PCB-187 | 0.028 | B | 0.0097 | 0.00055 |
| 74487-85-7 | PCB-188 | ND | | 0.0097 | 0.00040 |
| 39635-31-9 | PCB-189 | ND | | 0.0097 | 0.00067 |
| 41411-64-7 | PCB-190 | 0.0042 | J B | 0.0097 | 0.00044 |
| 74472-50-7 | PCB-191 | ND | | 0.0097 | 0.00044 |
| 74472-51-8 | PCB-192 | ND | | 0.0097 | 0.00047 |
| 69782-91-8 | PCB-193 | 0.039 | C180 B | 0.019 | 0.00050 |
| 35694-08-7 | PCB-194 | 0.0095 | J B | 0.0097 | 0.00067 |
| 52663-78-2 | PCB-195 | 0.0047 | J B | 0.0097 | 0.00079 |
| 42740-50-1 | PCB-196 | 0.0054 | J B | 0.0097 | 0.00035 |
| 33091-17-7 | PCB-197 | ND | | 0.0097 | 0.00026 |
| 68194-17-2 | PCB-198 | 0.012 | J C B | 0.019 | 0.00038 |
| 52663-75-9 | PCB-199 | 0.012 | J C198 B | 0.019 | 0.00038 |
| 52663-73-7 | PCB-200 | 0.0024 | J | 0.0097 | 0.00028 |
| 40186-71-8 | PCB-201 | 0.0017 | J B | 0.0097 | 0.00026 |
| 2136-99-4 | PCB-202 | 0.0023 | J B | 0.0097 | 0.00029 |
| 52663-76-0 | PCB-203 | 0.0071 | J q | 0.0097 | 0.00034 |
| 74472-52-9 | PCB-204 | ND | | 0.0097 | 0.00028 |
| 74472-53-0 | PCB-205 | ND | | 0.0097 | 0.00050 |
| 40186-72-9 | PCB-206 | 0.038 | q | 0.0097 | 0.0013 |
| 52663-79-3 | PCB-207 | ND | | 0.0097 | 0.00095 |
| 52663-77-1 | PCB-208 | ND | | 0.0097 | 0.00099 |
| 2051-24-3 | PCB-209 | 0.024 | | 0.0097 | 0.00053 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.00074 | J q | 0.0097 | 0.00019 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.0055 | J B q | 0.019 | 0.00040 |
| 25323-68-6 | Total Trichlorobiphenyls | 0.018 | J B q | 0.019 | 0.00032 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 0.16 | B q | 0.039 | 0.00048 |
| 25429-29-2 | Total Pentachlorobiphenyls | 0.30 | B q | 0.058 | 0.00081 |
| 26601-64-9 | Total Hexachlorobiphenyls | 0.30 | B q | 0.039 | 0.00072 |
| 28655-71-2 | Total Heptachlorobiphenyls | 0.17 | B q | 0.019 | 0.00053 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 55722-26-4 | Total Octachlorobiphenyls | 0.045 | B q | 0.019 | 0.00040 |
| 53742-07-7 | Total Nonachlorobiphenyls | 0.038 | q | 0.0097 | 0.0011 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 1.1 | B q | 0.058 | 0.00059 |

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 77 | | 30-140 |
| 208263-77-8 | PCB-3L | 72 | | 30-140 |
| 234432-86-1 | PCB-4L | 74 | | 30-140 |
| 208263-67-6 | PCB-15L | 77 | | 30-140 |
| 234432-87-2 | PCB-19L | 75 | | 30-140 |
| 208263-79-0 | PCB-37L | 77 | | 30-140 |
| 234432-88-3 | PCB-54L | 65 | | 30-140 |
| 105600-23-5 | PCB-77L | 84 | | 30-140 |
| 208461-24-9 | PCB-81L | 80 | | 30-140 |
| 234432-89-4 | PCB-104L | 75 | | 30-140 |
| 208263-62-1 | PCB-105L | 79 | | 30-140 |
| 208263-63-2 | PCB-114L | 77 | | 30-140 |
| 104130-40-7 | PCB-118L | 81 | | 30-140 |
| 208263-64-3 | PCB-123L | 77 | | 30-140 |
| 208263-65-4 | PCB-126L | 87 | | 30-140 |
| 234432-90-7 | PCB-155L | 86 | | 30-140 |
| 208263-68-7 | PCB-156L | 83 | C | 30-140 |
| 235416-30-5 | PCB-157L | 83 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 83 | | 30-140 |
| 208263-70-1 | PCB-169L | 100 | | 30-140 |
| 160901-80-4 | PCB-170L | 77 | | 30-140 |
| 234432-91-8 | PCB-188L | 73 | | 30-140 |
| 208263-73-4 | PCB-189L | 72 | | 30-140 |
| 105600-26-8 | PCB-202L | 84 | | 30-140 |
| 234446-64-1 | PCB-205L | 79 | | 30-140 |
| 208263-75-6 | PCB-206L | 77 | | 30-140 |
| 234432-92-9 | PCB-208L | 82 | | 30-140 |
| 105600-27-9 | PCB-209L | 78 | | 30-140 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719 RE  Lab Sample ID: 580-88908-34 RE

Matrix: Solid  Lab File ID: 580-88908-a-34-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 14.54(g)  Date Analyzed: 10/10/2019 09:14

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34314  Units: ng/g

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 72 | | 40-125 |
| 235416-29-2 | PCB-111L | 87 | | 40-125 |
| 232919-67-4 | PCB-178L | 84 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d
Lims ID: 580-88908-A-34-F
Client ID: J5-SC1b-100to110-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 09:14:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 10:52:38 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1026

First Level Reviewer: davidsonm Date: 10-Oct-2019 10:52:38

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 0.1032 | 0.0758 | 0.0200 | 0.0200 | | RQ |
| D PCB-1L | 11:44 | 1748266 | 2.86 | 1.3140 | 77.4 | 77.4 | 0.7351 | 0.7351 | 77.39 | |
| D PCB-3L | 13:54 | 1689931 | 3.34 | 1.3615 | 72.2 | 72.2 | 0.7094 | 0.7094 | 72.20 | |
| PCB-1 | 11:44 | 1575 | 3.13 | 1.1883 | 0.1032 | 0.0758 | 0.0183 | 0.0183 | | RQM |
| PCB-2 | 13:46 | | | | | | 0.0200 | 0.0200 | | |
| PCB-3 | 13:57 | | | | | | 0.0217 | 0.0217 | | |
| S Total Dichlorobiphenyls | | | | | 0.6027 | 0.5689 | 0.0412 | 0.0412 | | RQ |
| D PCB-4L | 14:09 | 766131 | 1.58 | 0.5996 | 74.3 | 74.3 | 0.3314 | 0.3314 | 74.33 | |
| * PCB-9L | 16:07 | 1719097 | 1.74 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:03 | 1354488 | 1.68 | 1.0280 | 76.6 | 76.6 | 0.1933 | 0.1933 | 76.64 | |
| PCB-4 | 14:12 | | | | | | 0.0572 | 0.0572 | | |
| PCB-10 | 14:23 | | | | | | 0.0424 | 0.0424 | | |
| PCB-9 | 16:07 | | | | | | 0.0443 | 0.0443 | | RQU |
| PCB-7 | 16:20 | | | | | | 0.0387 | 0.0387 | | |
| PCB-6 | 16:35 | | | | | | 0.0405 | 0.0405 | | |
| PCB-5 | 16:53 | | | | | | 0.0403 | 0.0403 | | |
| PCB-8 | 16:58 | 3010 | 1.56 | 1.5884 | 0.2125 | 0.1787 | 0.0396 | 0.0396 | | RQ |
| PCB-14 | 18:38 | | | | | | 0.0336 | 0.0336 | | |
| PCB-11 | 19:27 | 6763 | 1.71 | 1.6347 | 0.3902 | 0.3902 | 0.0385 | 0.0385 | | M |
| PCB-12 | 19:47 | | | | | | 0.0384 | 0.0384 | | |
| PCB-13 (C12) | 19:47 | | | | | | 0.0384 | 0.0384 | | |
| PCB-15 | 20:03 | | | | | | 0.0400 | 0.0400 | | RQU |
| S Total Trichlorobiphenyl | | | | | 1.988 | 1.838 | 0.0334 | 0.0334 | | RQ |
| D PCB-19L | 17:16 | 534221 | 1.03 | 0.6095 | 74.5 | 74.5 | 1.329 | 1.329 | 74.54 | |
| * PCB-32L | 20:31 | 1175911 | 1.16 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:47 | 3053173 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:04 | 2427803 | 1.07 | 1.0975 | 72.5 | 72.5 | 0.2576 | 0.2576 | 72.45 | |
| D PCB-37L | 27:05 | 2131611 | 1.10 | 0.9024 | 77.4 | 77.4 | 0.3132 | 0.3132 | 77.37 | |
| PCB-19 | 17:18 | | | | | | 0.0293 | 0.0293 | | RQU |
| PCB-18 | 19:09 | 2410 | 1.06 | 1.8188 | 0.2480 | 0.2480 | 0.0211 | 0.0211 | | |
| PCB-30 (C18) | 19:09 | 2410 | 1.06 | 1.8188 | 0.2480 | 0.2480 | 0.0211 | 0.0211 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:34 | 1378 | 1.04 | 1.5641 | 0.2005 | 0.1649 | 0.0245 | 0.0245 | | RQ |
| PCB-27 | 19:46 | | | | | | 0.0177 | 0.0177 | | RQU |
| PCB-24 | 19:57 | | | | | | 0.0182 | 0.0182 | | |
| PCB-16 | 20:03 | | | | | | 0.0312 | 0.0312 | | |
| PCB-32 | 20:32 | 2351 | 1.04 | 2.3416 | 0.2194 | 0.1879 | 0.0164 | 0.0164 | | RQM |
| PCB-34 | 21:50 | | | | | | 0.0421 | 0.0421 | | |
| PCB-23 | 21:59 | | | | | | 0.0404 | 0.0404 | | |
| PCB-26 | 22:14 | 3213 | 1.04 | 1.3193 | 0.1420 | 0.1143 | 0.0388 | 0.0388 | | RQ |
| PCB-29 (C26) | 22:14 | 3213 | 1.04 | 1.3193 | 0.1420 | 0.1143 | 0.0388 | 0.0388 | | RQ |
| PCB-25 | 22:30 | 2138 | 1.04 | 1.3523 | 0.0866 | 0.0742 | 0.0379 | 0.0379 | | RQ |
| PCB-31 | 22:49 | 8928 | 1.04 | 1.3809 | 0.3463 | 0.3033 | 0.0371 | 0.0371 | | RQ |
| PCB-20 | 23:06 | 14623 | 1.02 | 1.3057 | 0.5254 | 0.5254 | 0.0392 | 0.0392 | | |
| PCB-28 (C20) | 23:06 | 14623 | 1.02 | 1.3057 | 0.5254 | 0.5254 | 0.0392 | 0.0392 | | |
| PCB-21 | 23:20 | 6452 | 0.90 | 1.3777 | 0.2197 | 0.2197 | 0.0372 | 0.0372 | | |
| PCB-33 (C21) | 23:20 | 6452 | 0.90 | 1.3777 | 0.2197 | 0.2197 | 0.0372 | 0.0372 | | |
| PCB-22 | 23:46 | | | | | | 0.0412 | 0.0412 | | |
| PCB-36 | 25:19 | | | | | | 0.0380 | 0.0380 | | |
| PCB-39 | 25:40 | | | | | | 0.0366 | 0.0366 | | |
| PCB-38 | 26:15 | | | | | | 0.0389 | 0.0389 | | |
| PCB-35 | 26:44 | | | | | | 0.0421 | 0.0421 | | |
| PCB-37 | 27:07 | | | | | | 0.0398 | 0.0398 | | |
| S Total Tetrachlorobiphen | | | | | 17.1 | 16.8 | 0.0495 | 0.0495 | | RQ |
| D PCB-54L | 20:20 | 494853 | 0.82 | 0.6515 | 64.6 | 64.6 | 0.1324 | 0.1324 | 64.60 | |
| * PCB-52L | 24:54 | 1670385 | 0.84 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:50 | 1646178 | 0.82 | 1.2328 | 79.9 | 79.9 | 0.2110 | 0.2110 | 79.94 | |
| D PCB-77L | 34:24 | 1766383 | 0.84 | 1.2523 | 84.4 | 84.4 | 0.2078 | 0.2078 | 84.44 | |
| PCB-54 | 20:22 | 1926 | 0.77 | 1.2558 | 0.3485 | 0.3099 | 0.0269 | 0.0269 | | RQ |
| PCB-50 | 22:32 | 15194 | 0.70 | 0.9362 | 0.9512 | 0.9512 | 0.0627 | 0.0627 | | |
| PCB-53 (C50) | 22:32 | 15194 | 0.70 | 0.9362 | 0.9512 | 0.9512 | 0.0627 | 0.0627 | | |
| PCB-45 | 23:16 | 23956 | 0.78 | 0.8850 | 1.586 | 1.586 | 0.0663 | 0.0663 | | |
| PCB-51 (C45) | 23:16 | 23956 | 0.78 | 0.8850 | 1.586 | 1.586 | 0.0663 | 0.0663 | | |
| PCB-46 | 23:33 | | | | | | 0.0773 | 0.0773 | | |
| PCB-52 | 24:56 | 50132 | 0.72 | 0.8992 | 3.267 | 3.267 | 0.0653 | 0.0653 | | |
| PCB-43 | 25:07 | | | | | | 0.0587 | 0.0587 | | |
| PCB-73 (C43) | 25:07 | | | | | | 0.0587 | 0.0587 | | |
| PCB-49 | 25:25 | 49830 | 0.73 | 1.1366 | 2.569 | 2.569 | 0.0516 | 0.0516 | | |
| PCB-69 (C49) | 25:25 | 49830 | 0.73 | 1.1366 | 2.569 | 2.569 | 0.0516 | 0.0516 | | |
| PCB-48 | 25:44 | | | | | | 0.0621 | 0.0621 | | |
| PCB-44 | 25:58 | 65938 | 0.77 | 1.0323 | 3.744 | 3.744 | 0.0568 | 0.0568 | | |
| PCB-47 (C44) | 25:58 | 65938 | 0.77 | 1.0323 | 3.744 | 3.744 | 0.0568 | 0.0568 | | |
| PCB-65 (C44) | 25:58 | 65938 | 0.77 | 1.0323 | 3.744 | 3.744 | 0.0568 | 0.0568 | | |
| PCB-59 | 26:16 | | | | | | 0.0431 | 0.0431 | | |
| PCB-62 (C59) | 26:16 | | | | | | 0.0431 | 0.0431 | | |
| PCB-75 (C59) | 26:16 | | | | | | 0.0431 | 0.0431 | | |
| PCB-42 | 26:27 | 4280 | 0.77 | 0.8670 | 0.3309 | 0.2893 | 0.0677 | 0.0677 | | RQ |
| PCB-40 | 26:57 | 19550 | 0.73 | 0.9179 | 1.248 | 1.248 | 0.0639 | 0.0639 | | |
| PCB-41 (C40) | 26:57 | 19550 | 0.73 | 0.9179 | 1.248 | 1.248 | 0.0639 | 0.0639 | | |
| PCB-71 (C40) | 26:57 | 19550 | 0.73 | 0.9179 | 1.248 | 1.248 | 0.0639 | 0.0639 | | |
| PCB-64 | 27:10 | 3478 | 0.77 | 1.4164 | 0.2076 | 0.1439 | 0.0414 | 0.0414 | | RQ |
| PCB-72 | 28:02 | | | | | | 0.0446 | 0.0446 | | |
| PCB-68 | 28:17 | 3893 | 0.77 | 1.4782 | 0.1656 | 0.1543 | 0.0397 | 0.0397 | | RQ |
| PCB-57 | 28:44 | | | | | | 0.0458 | 0.0458 | | |
| PCB-58 | 28:59 | | | | | | 0.0444 | 0.0444 | | |
| PCB-67 | 29:09 | | | | | | 0.0421 | 0.0421 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:25 | | | | | | 0.0400 | 0.0400 | | |
| PCB-61 | 29:42 | 37339 | 0.80 | 1.3565 | 1.613 | 1.613 | 0.0433 | 0.0433 | | |
| PCB-70 (C61) | 29:42 | 37339 | 0.80 | 1.3565 | 1.613 | 1.613 | 0.0433 | 0.0433 | | |
| PCB-74 (C61) | 29:42 | 37339 | 0.80 | 1.3565 | 1.613 | 1.613 | 0.0433 | 0.0433 | | |
| PCB-76 (C61) | 29:42 | 37339 | 0.80 | 1.3565 | 1.613 | 1.613 | 0.0433 | 0.0433 | | |
| PCB-66 | 30:02 | 14813 | 0.77 | 1.2800 | 0.7932 | 0.6782 | 0.0458 | 0.0458 | | RQ |
| PCB-55 | 30:14 | | | | | | 0.0453 | 0.0453 | | |
| PCB-56 | 30:43 | 5493 | 0.77 | 1.2671 | 0.2930 | 0.2541 | 0.0463 | 0.0463 | | RQM |
| PCB-60 | 30:57 | | | | | | 0.0442 | 0.0442 | | |
| PCB-80 | 31:22 | | | | | | 0.0399 | 0.0399 | | |
| PCB-79 | 32:53 | | | | | | 0.0381 | 0.0381 | | |
| PCB-78 | 33:27 | | | | | | 0.0446 | 0.0446 | | |
| PCB-81 | 33:53 | | | | | | 0.0456 | 0.0456 | | |
| PCB-77 | 34:26 | | | | | | 0.0430 | 0.0430 | | RQU |
| S Total Pentachlorobiphen | | | | | 32.1 | 31.2 | 0.0835 | 0.0835 | | RQ |
| D PCB-104L | 25:51 | 1120622 | 1.60 | 1.1164 | 75.0 | 75.0 | 0.0499 | 0.0499 | 74.96 | |
| * PCB-101L | 31:46 | 1339029 | 1.65 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:27 | 1423929 | 1.57 | 1.2177 | 87.3 | 87.3 | 0.0457 | 0.0457 | 87.33 | |
| D PCB-123L | 36:24 | 1641193 | 1.57 | 0.9909 | 76.9 | 76.9 | 0.8726 | 0.8726 | 76.95 | |
| D PCB-118L | 36:44 | 1777059 | 1.62 | 1.0256 | 80.5 | 80.5 | 0.8431 | 0.8431 | 80.50 | |
| D PCB-114L | 37:16 | 1660268 | 1.54 | 1.0030 | 76.9 | 76.9 | 0.8621 | 0.8621 | 76.90 | |
| D PCB-105L | 37:54 | 1700502 | 1.57 | 1.0013 | 78.9 | 78.9 | 0.8636 | 0.8636 | 78.90 | |
| * PCB-127L | 39:23 | 2152419 | 1.54 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:00 | 1682296 | 1.62 | 0.9020 | 86.6 | 86.6 | 0.9586 | 0.9586 | 86.65 | |
| PCB-104 | 25:55 | | | | | | 0.0765 | 0.0765 | | |
| PCB-96 | 26:17 | | | | | | 0.0869 | 0.0869 | | |
| PCB-103 | 28:10 | 5309 | 1.68 | 1.0331 | 0.4586 | 0.4586 | 0.1032 | 0.1032 | | |
| PCB-94 | 28:26 | | | | | | 0.1180 | 0.1180 | | |
| PCB-95 | 28:51 | 55931 | 1.59 | 0.9620 | 5.188 | 5.188 | 0.1108 | 0.1108 | | |
| PCB-93 | 29:05 | 4235 | 1.55 | 0.9806 | 0.4426 | 0.3854 | 0.1087 | 0.1087 | | RQ |
| PCB-100 (C93) | 29:05 | 4235 | 1.55 | 0.9806 | 0.4426 | 0.3854 | 0.1087 | 0.1087 | | RQ |
| PCB-98 | 29:12 | 9577 | 1.52 | 0.9888 | 0.8643 | 0.8643 | 0.1078 | 0.1078 | | |
| PCB-102 (C98) | 29:12 | 9577 | 1.52 | 0.9888 | 0.8643 | 0.8643 | 0.1078 | 0.1078 | | |
| PCB-88 | 29:42 | 14473 | 1.50 | 1.0052 | 1.285 | 1.285 | 0.1060 | 0.1060 | | |
| PCB-91 (C88) | 29:42 | 14473 | 1.50 | 1.0052 | 1.285 | 1.285 | 0.1060 | 0.1060 | | |
| PCB-84 | 29:57 | 7226 | 1.55 | 0.8601 | 0.9084 | 0.7497 | 0.1239 | 0.1239 | | RQ |
| PCB-89 | 30:27 | | | | | | 0.1193 | 0.1193 | | |
| PCB-121 | 30:52 | | | | | | 0.0763 | 0.0763 | | |
| PCB-92 | 31:13 | 19057 | 1.64 | 0.9532 | 1.784 | 1.784 | 0.1118 | 0.1118 | | |
| PCB-90 | 31:47 | 78684 | 1.59 | 1.1367 | 6.177 | 6.177 | 0.0938 | 0.0938 | | |
| PCB-101 (C90) | 31:47 | 78684 | 1.59 | 1.1367 | 6.177 | 6.177 | 0.0938 | 0.0938 | | |
| PCB-113 (C90) | 31:47 | 78684 | 1.59 | 1.1367 | 6.177 | 6.177 | 0.0938 | 0.0938 | | |
| PCB-83 | 32:22 | 40065 | 1.55 | 0.9393 | 4.291 | 3.806 | 0.1135 | 0.1135 | | RQ |
| PCB-99 (C83) | 32:22 | 40065 | 1.55 | 0.9393 | 4.291 | 3.806 | 0.1135 | 0.1135 | | RQ |
| PCB-112 | 32:31 | | | | | | 0.0780 | 0.0780 | | |
| PCB-86 | 32:52 | 33017 | 1.75 | 1.1958 | 2.464 | 2.464 | 0.0891 | 0.0891 | | |
| PCB-87 (C86) | 32:52 | 33017 | 1.75 | 1.1958 | 2.464 | 2.464 | 0.0891 | 0.0891 | | |
| PCB-97 (C86) | 32:52 | 33017 | 1.75 | 1.1958 | 2.464 | 2.464 | 0.0891 | 0.0891 | | |
| PCB-109 (C86) | 32:52 | 33017 | 1.75 | 1.1958 | 2.464 | 2.464 | 0.0891 | 0.0891 | | |
| PCB-119 (C86) | 32:52 | 33017 | 1.75 | 1.1958 | 2.464 | 2.464 | 0.0891 | 0.0891 | | |
| PCB-125 (C86) | 32:52 | 33017 | 1.75 | 1.1958 | 2.464 | 2.464 | 0.0891 | 0.0891 | | |
| PCB-85 | 33:37 | | | | | | 0.0879 | 0.0879 | | |
| PCB-116 (C85) | 33:37 | | | | | | 0.0879 | 0.0879 | | |
| PCB-117 (C85) | 33:37 | | | | | | 0.0879 | 0.0879 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:46 | 68301 | 1.54 | 1.3511 | 4.511 | 4.511 | 0.0789 | 0.0789 | | |
| PCB-115 (C110) | 33:46 | 68301 | 1.54 | 1.3511 | 4.511 | 4.511 | 0.0789 | 0.0789 | | |
| PCB-82 | 34:05 | 3485 | 1.55 | 0.8675 | 0.3994 | 0.3585 | 0.1229 | 0.1229 | | RQ |
| PCB-111 | 34:30 | | | | | | 0.0747 | 0.0747 | | |
| PCB-120 | 34:58 | | | | | | 0.0715 | 0.0715 | | |
| PCB-108 | 36:06 | | | | | | 0.0546 | 0.0546 | | |
| PCB-124 (C108) | 36:06 | | | | | | 0.0546 | 0.0546 | | |
| PCB-107 | 36:19 | 7177 | 1.55 | 1.3580 | 0.3575 | 0.3123 | 0.0504 | 0.0504 | | RQM |
| PCB-123 | 36:27 | | | | | | 0.0516 | 0.0516 | | |
| PCB-106 | 36:34 | | | | | | 0.0537 | 0.0537 | | |
| PCB-118 | 36:46 | 51508 | 1.48 | 1.2892 | 2.248 | 2.248 | 0.0497 | 0.0497 | | M |
| PCB-122 | 37:08 | | | | | | 0.0589 | 0.0589 | | |
| PCB-114 | 37:19 | | | | | | 0.0497 | 0.0497 | | |
| PCB-105 | 37:56 | 13267 | 1.55 | 1.2887 | 0.6792 | 0.6054 | 0.0539 | 0.0539 | | RQM |
| PCB-127 | 39:26 | | | | | | 0.0533 | 0.0533 | | |
| PCB-126 | 41:03 | | | | | | 0.0522 | 0.0522 | | |
| S Total Hexachlorobipheny | | | | | 31.2 | 30.7 | 0.0738 | 0.0738 | | RQ |
| D PCB-155L | 31:33 | 1097108 | 1.28 | 0.9499 | 86.3 | 86.3 | 0.1574 | 0.1574 | 86.26 | |
| * PCB-138L | 39:51 | 1606785 | 1.23 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:53 | 1668130 | 1.27 | 1.2544 | 82.8 | 82.8 | 0.4345 | 0.4345 | 82.76 | |
| D PCB-156L | 44:01 | 3262734 | 1.25 | 1.2289 | 165.2 | 165.2 | 0.4436 | 0.4436 | 82.62 | |
| D PCB-157L (C156L) | 44:01 | 3262734 | 1.25 | 1.2289 | 165.2 | 165.2 | 0.4436 | 0.4436 | 82.62 | |
| D PCB-169L | 47:15 | 1744337 | 1.29 | 1.0883 | 99.7 | 99.7 | 0.5008 | 0.5008 | 99.75 | |
| PCB-155 | 31:36 | | | | | | 0.0284 | 0.0284 | | |
| PCB-152 | 31:47 | | | | | | 0.0295 | 0.0295 | | |
| PCB-150 | 31:56 | 1316 | 1.24 | 1.2368 | 0.1450 | 0.0970 | 0.0299 | 0.0299 | | RQ |
| PCB-136 | 32:16 | 19999 | 1.07 | 1.1563 | 1.576 | 1.576 | 0.0320 | 0.0320 | | |
| PCB-145 | 32:33 | 324 | 1.24 | 1.1910 | 0.0423 | 0.0248 | 0.0311 | 0.0311 | | RQ |
| PCB-148 | 34:05 | 1676 | 1.09 | 0.8982 | 0.1701 | 0.1701 | 0.0412 | 0.0412 | | |
| PCB-135 | 34:41 | 33985 | 1.35 | 0.8691 | 3.564 | 3.564 | 0.0426 | 0.0426 | | |
| PCB-151 (C135) | 34:41 | 33985 | 1.35 | 0.8691 | 3.564 | 3.564 | 0.0426 | 0.0426 | | |
| PCB-154 | 34:57 | 6325 | 1.24 | 1.0180 | 0.6422 | 0.5663 | 0.0364 | 0.0364 | | RQ |
| PCB-144 | 35:14 | 2854 | 1.24 | 0.9185 | 0.3279 | 0.2832 | 0.0403 | 0.0403 | | RQ |
| PCB-147 | 35:37 | 101524 | 1.32 | 0.9747 | 6.242 | 6.242 | 0.0978 | 0.0978 | | |
| PCB-149 (C147) | 35:37 | 101524 | 1.32 | 0.9747 | 6.242 | 6.242 | 0.0978 | 0.0978 | | |
| PCB-134 | 35:50 | 4692 | 1.25 | 0.8518 | 0.3301 | 0.3301 | 0.1119 | 0.1119 | | a |
| PCB-143 (C134) | 35:50 | 4692 | 1.25 | 0.8518 | 0.3301 | 0.3301 | 0.1119 | 0.1119 | | a |
| PCB-139 | 36:15 | | | | | | 0.0954 | 0.0954 | | |
| PCB-140 (C139) | 36:15 | | | | | | 0.0954 | 0.0954 | | |
| PCB-131 | 36:27 | | | | | | 0.1111 | 0.1111 | | |
| PCB-142 | 36:36 | | | | | | 0.1109 | 0.1109 | | |
| PCB-132 | 36:52 | 24139 | 1.19 | 0.8801 | 1.644 | 1.644 | 0.1083 | 0.1083 | | |
| PCB-133 | 37:23 | 2067 | 1.24 | 0.9064 | 0.1954 | 0.1367 | 0.1052 | 0.1052 | | RQ |
| PCB-165 | 37:49 | | | | | | 0.0851 | 0.0851 | | |
| PCB-146 | 38:02 | 32152 | 1.23 | 1.0084 | 1.911 | 1.911 | 0.0946 | 0.0946 | | |
| PCB-161 | 38:12 | | | | | | 0.0713 | 0.0713 | | |
| PCB-153 | 38:38 | 119211 | 1.25 | 1.2207 | 5.852 | 5.852 | 0.0781 | 0.0781 | | |
| PCB-168 (C153) | 38:38 | 119211 | 1.25 | 1.2207 | 5.852 | 5.852 | 0.0781 | 0.0781 | | |
| PCB-141 | 38:51 | 14542 | 1.13 | 0.9608 | 0.9070 | 0.9070 | 0.0992 | 0.0992 | | M |
| PCB-130 | 39:14 | 5485 | 1.24 | 0.8274 | 0.4447 | 0.3972 | 0.1152 | 0.1152 | | RQ |
| PCB-137 | 39:28 | 2144 | 1.24 | 1.0582 | 0.1517 | 0.1214 | 0.0901 | 0.0901 | | RQ |
| PCB-164 | 39:34 | 9049 | 1.24 | 1.2527 | 0.4775 | 0.4329 | 0.0761 | 0.0761 | | RQ |
| PCB-129 | 39:53 | 88134 | 1.23 | 1.0840 | 4.872 | 4.872 | 0.0880 | 0.0880 | | M |
| PCB-138 (C129) | 39:53 | 88134 | 1.23 | 1.0840 | 4.872 | 4.872 | 0.0880 | 0.0880 | | M |
| PCB-160 (C129) | 39:53 | 88134 | 1.23 | 1.0840 | 4.872 | 4.872 | 0.0880 | 0.0880 | | M |
| PCB-163 (C129) | 39:53 | 88134 | 1.23 | 1.0840 | 4.872 | 4.872 | 0.0880 | 0.0880 | | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:18 | 12210 | 1.31 | 1.3862 | 0.5278 | 0.5278 | 0.0688 | 0.0688 | | |
| PCB-128 | 41:09 | 12444 | 1.25 | 1.1165 | 0.6679 | 0.6679 | 0.0854 | 0.0854 | | M |
| PCB-166 (C128) | 41:09 | 12444 | 1.25 | 1.1165 | 0.6679 | 0.6679 | 0.0854 | 0.0854 | | M |
| PCB-159 | 42:09 | | | | | | 0.0724 | 0.0724 | | |
| PCB-162 | 42:27 | | | | | | 0.0700 | 0.0700 | | |
| PCB-167 | 42:56 | | | | | | 0.0591 | 0.0591 | | |
| PCB-156 | 44:01 | 8476 | 1.24 | 1.2759 | 0.4630 | 0.4072 | 0.0937 | 0.0937 | | RQM |
| PCB-157 (C156) | 44:01 | 8476 | 1.24 | 1.2759 | 0.4630 | 0.4072 | 0.0937 | 0.0937 | | RQM |
| PCB-169 | 47:19 | | | | | | 0.0621 | 0.0621 | | |
| S Total Heptachlorobiphen | | | | | 17.4 | 17.3 | 0.0547 | 0.0547 | | RQ |
| D PCB-188L | 37:16 | 1386656 | 1.10 | 1.3162 | 73.5 | 73.5 | 0.1496 | 0.1496 | 73.47 | |
| $ PCB-178L | 40:20 | 1113438 | 1.06 | 0.9222 | 84.2 | 84.2 | 0.2134 | 0.2134 | 84.20 | |
| * PCB-180L | 45:25 | 1433955 | 1.06 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:41 | 926043 | 1.14 | 0.8357 | 77.3 | 77.3 | 0.2355 | 0.2355 | 77.27 | |
| D PCB-189L | 49:48 | 1562486 | 1.09 | 1.4666 | 72.0 | 72.0 | 0.9391 | 0.9391 | 72.03 | |
| PCB-188 | 37:20 | | | | | | 0.0413 | 0.0413 | | |
| PCB-179 | 37:37 | 16377 | 0.90 | 1.4149 | 1.001 | 1.001 | 0.0446 | 0.0446 | | |
| PCB-184 | 38:12 | | | | | | 0.0445 | 0.0445 | | |
| PCB-176 | 38:30 | 4609 | 0.92 | 1.5212 | 0.2620 | 0.2620 | 0.0415 | 0.0415 | | |
| PCB-186 | 39:00 | | | | | | 0.0440 | 0.0440 | | |
| PCB-178 | 40:20 | 5783 | 1.05 | 1.0228 | 0.5433 | 0.4890 | 0.0618 | 0.0618 | | RQ |
| PCB-175 | 41:02 | 1788 | 1.05 | 1.0690 | 0.1586 | 0.1446 | 0.0591 | 0.0591 | | RQa |
| PCB-187 | 41:15 | 37073 | 0.96 | 1.1106 | 2.887 | 2.887 | 0.0569 | 0.0569 | | M |
| PCB-182 | 41:29 | | | | | | 0.0550 | 0.0550 | | |
| PCB-183 | 41:51 | 20115 | 0.94 | 1.1368 | 1.530 | 1.530 | 0.0556 | 0.0556 | | M |
| PCB-185 (C183) | 41:51 | 20115 | 0.94 | 1.1368 | 1.530 | 1.530 | 0.0556 | 0.0556 | | M |
| PCB-174 | 42:06 | 21947 | 1.04 | 0.9547 | 1.988 | 1.988 | 0.0662 | 0.0662 | | |
| PCB-177 | 42:32 | 17495 | 0.97 | 0.9426 | 1.605 | 1.605 | 0.0670 | 0.0670 | | M |
| PCB-181 | 42:58 | | | | | | 0.0570 | 0.0570 | | |
| PCB-171 | 43:11 | 7367 | 0.98 | 0.9603 | 0.6634 | 0.6634 | 0.0658 | 0.0658 | | |
| PCB-173 (C171) | 43:11 | 7367 | 0.98 | 0.9603 | 0.6634 | 0.6634 | 0.0658 | 0.0658 | | |
| PCB-172 | 44:48 | 4476 | 1.05 | 0.9918 | 0.3903 | 0.3903 | 0.0637 | 0.0637 | | M |
| PCB-192 | 45:06 | | | | | | 0.0489 | 0.0489 | | |
| PCB-180 | 45:27 | 57056 | 0.95 | 1.2286 | 4.016 | 4.016 | 0.0514 | 0.0514 | | |
| PCB-193 (C180) | 45:27 | 57056 | 0.95 | 1.2286 | 4.016 | 4.016 | 0.0514 | 0.0514 | | |
| PCB-191 | 45:50 | | | | | | 0.0456 | 0.0456 | | |
| PCB-170 | 46:42 | 22288 | 1.09 | 1.2700 | 1.895 | 1.895 | 0.0640 | 0.0640 | | |
| PCB-190 | 47:13 | 6868 | 1.08 | 1.3774 | 0.4312 | 0.4312 | 0.0459 | 0.0459 | | Ma |
| PCB-189 | 49:51 | | | | | | 0.0693 | 0.0693 | | |
| S Total Octachlorobipheny | | | | | 4.737 | 4.664 | 0.0412 | 0.0412 | | RQ |
| D PCB-202L | 42:39 | 1214660 | 0.94 | 1.0055 | 84.2 | 84.2 | 0.4190 | 0.4190 | 84.24 | |
| * PCB-194L | 51:55 | 1479074 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:23 | 1506154 | 0.88 | 1.2867 | 79.1 | 79.1 | 0.6483 | 0.6483 | 79.14 | |
| PCB-202 | 42:41 | 3088 | 0.92 | 1.0531 | 0.2414 | 0.2414 | 0.0303 | 0.0303 | | M |
| PCB-201 | 43:36 | 2455 | 0.89 | 1.1860 | 0.1704 | 0.1704 | 0.0269 | 0.0269 | | |
| PCB-204 | 44:18 | | | | | | 0.0290 | 0.0290 | | |
| PCB-197 | 44:32 | | | | | | 0.0265 | 0.0265 | | |
| PCB-200 | 44:37 | 3331 | 0.79 | 1.1260 | 0.2435 | 0.2435 | 0.0284 | 0.0284 | | |
| PCB-198 | 47:25 | 12423 | 0.86 | 0.8183 | 1.250 | 1.250 | 0.0390 | 0.0390 | | M |
| PCB-199 (C198) | 47:25 | 12423 | 0.86 | 0.8183 | 1.250 | 1.250 | 0.0390 | 0.0390 | | M |
| PCB-196 | 48:03 | 5943 | 0.90 | 0.8748 | 0.5593 | 0.5593 | 0.0365 | 0.0365 | | |
| PCB-203 | 48:16 | 8184 | 0.89 | 0.9219 | 0.8043 | 0.7308 | 0.0346 | 0.0346 | | RQM |
| PCB-195 | 49:34 | 5747 | 0.89 | 0.7839 | 0.4868 | 0.4868 | 0.0813 | 0.0813 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:55 | 13726 | 0.87 | 0.9282 | 0.9819 | 0.9819 | 0.0687 | 0.0687 | | |
| PCB-205 | 52:26 | | | | | | 0.0516 | 0.0516 | | |
| S Total Nonachlorobipheny | | | | | 6.834 | 3.878 | 0.1123 | 0.1123 | | RQ |
| D PCB-208L | 49:20 | 1386107 | 0.78 | 1.1383 | 82.3 | 82.3 | 0.9280 | 0.9280 | 82.33 | |
| D PCB-206L | 54:08 | 1023628 | 0.82 | 0.8938 | 77.4 | 77.4 | 1.182 | 1.182 | 77.43 | |
| PCB-208 | 49:23 | | | | | | 0.1019 | 0.1019 | | |
| PCB-207 | 50:19 | | | | | | 0.0981 | 0.0981 | | |
| PCB-206 | 54:04 | 47340 | 0.77 | 1.1927 | 6.834 | 3.878 | 0.1369 | 0.1369 | | RQMa |
| D PCB-209L | 55:47 | 1135926 | 0.67 | 0.9809 | 78.3 | 78.3 | 0.2616 | 0.2616 | 78.30 | |
| DCB Decachlorobiphenyl | 55:48 | 35564 | 0.77 | 1.2455 | 2.514 | 2.514 | 0.0551 | 0.0551 | | M |
| S Polychlorinated bipheny | | | | | 114.4 | 2.514 | 0.0605 | 0.0605 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d
Lims ID: 580-88908-A-34-F
Client ID: J5-SC1b-100to110-82719
Sample Type: Client
Inject. Date: 10-Oct-2019 09:14:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 10:52:38 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1026

First Level Reviewer: davidsonm Date: 10-Oct-2019 10:52:38

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:44 | 11:45 | -3 | 0.727 | 1295648 | 515272 | 412 | 1030 | 1251 | | |
| 202.0766 | 11:44 | 11:45 | -3 | 0.727 | 452618 | 174181 | 1630 | 4075 | 107 | 2.86(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:54 | 13:54 | -2 | 0.862 | 1300248 | 435599 | 412 | 1030 | 1057 | | |
| 202.0766 | 13:54 | 13:54 | -2 | 0.862 | 389683 | 133665 | 1630 | 4075 | 82 | 3.34(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | RQM |
| 188.0393 | 11:44 | 11:43 | -3 | 1.001 | 1194 | 413 | 39 | 97 | 11 | | M |
| 190.0363 | 11:43 | 11:43 | -4 | 0.999 | 950 | 169 | 21 | 52 | 8 | 1.26(2.66-3.60) | M |
| | Empc Correction | | | | 381 | 131 | 21 | 52 | 6 | | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | | | | | | 39 | 97 | | | |
| 190.0363 | 13:45 | | | | | | 21 | 52 | | | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:55 | | | | | | 39 | 97 | | | |
| 190.0363 | 13:55 | | | | | | 21 | 52 | | | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:09 | 14:10 | -3 | 0.877 | 468666 | 154838 | 337 | 842 | 459 | | |
| 236.0376 | 14:09 | 14:10 | -3 | 0.877 | 297465 | 96427 | 83 | 207 | 1162 | 1.58(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:07 | 16:09 | -2 | | 1092713 | 330240 | 337 | 842 | 980 | | |
| 236.0376 | 16:07 | 16:09 | -2 | | 626384 | 198274 | 83 | 207 | 2389 | 1.74(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:03 | 20:02 | -2 | 1.244 | 849607 | 200362 | 337 | 842 | 595 | | |
| 236.0376 | 20:03 | 20:02 | -2 | 1.244 | 504881 | 120341 | 83 | 207 | 1450 | 1.68(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:10 | | | | | | 41 | 102 | | | |
| 223.9974 | 14:10 | | | | | | 31 | 77 | | | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:20 | | | | | | 41 | 102 | | | |
| 223.9974 | 14:20 | | | | | | 31 | 77 | | | |
| PCB-9 | | | | | | | | | | | RQU |
| 222.0003 | 16:08 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:08 | | | | | | 31 | 77 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:17 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:17 | | | | | | 31 | 77 | | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:32 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:32 | | | | | | 31 | 77 | | | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:50 | | | | | | 41 | 102 | | | |
| 223.9974 | 16:50 | | | | | | 31 | 77 | | | |
| PCB-8 | | | | | | | | | | | RQ |
| 222.0003 | 16:58 | 16:58 | -3 | 1.199 | 2403 | 438 | 41 | 102 | 11 | | |
| | Empc Correction | | | | 1834 | 499 | 41 | 102 | 12 | | |
| 223.9974 | 16:59 | 16:58 | -2 | 1.201 | 1176 | 320 | 31 | 77 | 10 | 2.04(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | | | | | | 41 | 102 | | | |
| 223.9974 | 18:37 | | | | | | 31 | 77 | | | |
| PCB-11 | | | | | | | | | | | M |
| 222.0003 | 19:27 | 19:27 | -2 | 0.970 | 4265 | 922 | 41 | 102 | 22 | | M |
| 223.9974 | 19:26 | 19:27 | -2 | 0.969 | 2498 | 656 | 31 | 77 | 21 | 1.71(1.33-1.79) | M |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:46 | | | | | | 41 | 102 | | | |
| 223.9974 | 19:46 | | | | | | 31 | 77 | | | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:46 | | | | | | 41 | 102 | | | |
| 223.9974 | 19:46 | | | | | | 31 | 77 | | | |
| PCB-15 | | | | | | | | | | | RQU |
| 222.0003 | 20:04 | | | | | | 41 | 102 | | | |
| 223.9974 | 20:04 | | | | | | 31 | 77 | | | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:16 | 17:16 | -2 | 0.841 | 270861 | 79177 | 593 | 1482 | 134 | | |
| 269.9986 | 17:16 | 17:16 | -2 | 0.841 | 263360 | 77529 | 384 | 960 | 202 | 1.03(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:33 | -2 | | 631796 | 157798 | 593 | 1482 | 266 | | |
| 269.9986 | 20:31 | 20:33 | -2 | | 544115 | 143673 | 384 | 960 | 374 | 1.16(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:49 | -2 | | 1569839 | 379041 | 599 | 1497 | 633 | | |
| 269.9986 | 22:47 | 22:49 | -2 | | 1483334 | 355708 | 232 | 580 | 1533 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:04 | -2 | 1.013 | 1256022 | 295337 | 599 | 1497 | 493 | | |
| 269.9986 | 23:04 | 23:04 | -2 | 1.013 | 1171781 | 271226 | 232 | 580 | 1169 | 1.07(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:05 | 27:04 | -2 | 1.189 | 1115487 | 231916 | 599 | 1497 | 387 | | |
| 269.9986 | 27:05 | 27:04 | -2 | 1.189 | 1016124 | 217320 | 232 | 580 | 937 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | RQU |
| 255.9613 | 17:17 | | | | | | 8 | 20 | | | |
| 257.9584 | 17:17 | | | | | | 16 | 40 | | | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:08 | 0 | 1.110 | 1239 | 315 | 8 | 20 | 39 | | |
| 257.9584 | 19:09 | 19:08 | -1 | 1.109 | 1171 | 267 | 16 | 40 | 17 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:08 | 0 | 1.110 | 1239 | 315 | 8 | 20 | 39 | | |
| 257.9584 | 19:09 | 19:08 | -1 | 1.109 | 1171 | 267 | 16 | 40 | 17 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | RQ |
| 255.9613 | 19:34 | 19:33 | -2 | 1.133 | 703 | 222 | 8 | 20 | 28 | | |
| 257.9584 | 19:35 | 19:33 | -1 | 1.134 | 972 | 228 | 16 | 40 | 14 | 0.72(0.88-1.20) | |
| | Empc Correction | | | | 675 | 213 | 16 | 40 | 13 | | |
| PCB-27 | | | | | | | | | | | RQU |
| 255.9613 | 19:47 | | | | | | 8 | 20 | | | |
| 257.9584 | 19:47 | | | | | | 16 | 40 | | | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:55 | | | | | | 8 | 20 | | | |
| 257.9584 | 19:55 | | | | | | 16 | 40 | | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:01 | | | | | | 8 | 20 | | | |
| 257.9584 | 20:01 | | | | | | 16 | 40 | | | |
| PCB-32 | | | | | | | | | | | RQM |
| 255.9613 | 20:32 | 20:32 | -2 | 1.190 | 1199 | 291 | 8 | 20 | 36 | | M |
| 257.9584 | 20:31 | 20:32 | -3 | 1.189 | 1546 | 419 | 16 | 40 | 26 | 0.78(0.88-1.20) | M |
| | Empc Correction | | | | 1152 | 279 | 16 | 40 | 17 | | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:48 | | | | | | 57 | 142 | | | |
| 257.9584 | 21:48 | | | | | | 35 | 87 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:57 | | | | | | 57 | 142 | | | |
| 257.9584 | 21:57 | | | | | | 35 | 87 | | | |
| PCB-26 | | | | | | | | | | | RQ |
| 255.9613 | 22:14 | 22:16 | -4 | 1.289 | 1638 | 348 | 57 | 142 | 6 | | |
| 257.9584 | 22:15 | 22:16 | -3 | 1.289 | 2356 | 464 | 35 | 87 | 13 | 0.70(0.88-1.20) | |
| | Empc Correction | | | | 1575 | 334 | 35 | 87 | 10 | | |
| PCB-29 (C26) | | | | | | | | | | | RQ |
| 255.9613 | 22:14 | 22:16 | -4 | 1.289 | 1638 | 348 | 57 | 142 | 6 | | |
| 257.9584 | 22:15 | 22:16 | -3 | 1.289 | 2356 | 464 | 35 | 87 | 13 | 0.70(0.88-1.20) | |
| | Empc Correction | | | | 1575 | 334 | 35 | 87 | 10 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | RQ |
| 255.9613 | 22:30 | 22:29 | -1 | 0.831 | 1090 | 320 | 57 | 142 | 6 | | |
| 257.9584 | 22:29 | 22:29 | -2 | 0.830 | 1406 | 319 | 35 | 87 | 9 | 0.78(0.88-1.20) | |
| | Empc Correction | | | | 1048 | 307 | 35 | 87 | 9 | | |
| PCB-31 | | | | | | | | | | | RQ |
| 255.9613 | 22:49 | 22:48 | -1 | 0.842 | 4552 | 1370 | 57 | 142 | 24 | | |
| 257.9584 | 22:47 | 22:48 | -3 | 0.841 | 5641 | 1335 | 35 | 87 | 38 | 0.81(0.88-1.20) | |
| | Empc Correction | | | | 4376 | 1317 | 35 | 87 | 38 | | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:07 | -3 | 0.853 | 7381 | 1735 | 57 | 142 | 30 | | |
| 257.9584 | 23:06 | 23:07 | -3 | 0.853 | 7242 | 1557 | 35 | 87 | 44 | 1.02(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:07 | -3 | 0.853 | 7381 | 1735 | 57 | 142 | 30 | | |
| 257.9584 | 23:06 | 23:07 | -3 | 0.853 | 7242 | 1557 | 35 | 87 | 44 | 1.02(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:20 | -2 | 0.862 | 3051 | 604 | 57 | 142 | 11 | | |
| 257.9584 | 23:21 | 23:20 | -1 | 0.862 | 3401 | 569 | 35 | 87 | 16 | 0.90(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:20 | -2 | 0.862 | 3051 | 604 | 57 | 142 | 11 | | |
| 257.9584 | 23:21 | 23:20 | -1 | 0.862 | 3401 | 569 | 35 | 87 | 16 | 0.90(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | | | | | | 57 | 142 | | | |
| 257.9584 | 23:44 | | | | | | 35 | 87 | | | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:17 | | | | | | 57 | 142 | | | |
| 257.9584 | 25:17 | | | | | | 35 | 87 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:39 | | | | | | 57 | 142 | | | |
| 257.9584 | 25:39 | | | | | | 35 | 87 | | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:14 | | | | | | 57 | 142 | | | |
| 257.9584 | 26:14 | | | | | | 35 | 87 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:42 | | | | | | 57 | 142 | | | |
| 257.9584 | 26:42 | | | | | | 35 | 87 | | | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:05 | | | | | | 57 | 142 | | | |
| 257.9584 | 27:05 | | | | | | 35 | 87 | | | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:20 | 20:21 | -2 | 0.817 | 222860 | 55659 | 99 | 247 | 562 | | |
| 303.9597 | 20:20 | 20:21 | -2 | 0.817 | 271993 | 68637 | 5 | 12 | 13727 | 0.82(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:56 | -2 | | 761197 | 177939 | 213 | 532 | 835 | | |
| 303.9597 | 24:54 | 24:56 | -2 | | 909188 | 206438 | 187 | 467 | 1104 | 0.84(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:50 | 33:49 | -2 | 1.359 | 742783 | 149057 | 213 | 532 | 700 | | |
| 303.9597 | 33:50 | 33:49 | -1 | 1.359 | 903395 | 177774 | 187 | 467 | 951 | 0.82(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:24 | 34:23 | -2 | 1.382 | 808091 | 156069 | 213 | 532 | 733 | | |
| 303.9597 | 34:24 | 34:23 | -2 | 1.382 | 958292 | 188507 | 187 | 467 | 1008 | 0.84(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | RQ |
| 289.9224 | 20:22 | 20:24 | -2 | 1.000 | 838 | 196 | 9 | 22 | 22 | | |
| 291.9194 | 20:22 | 20:24 | -2 | 1.000 | 1328 | 304 | 8 | 20 | 38 | 0.63(0.65-0.89) | |
| | Empc Correction | | | | 1088 | 254 | 8 | 20 | 32 | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:32 | -3 | 1.108 | 6233 | 1514 | 31 | 77 | 49 | | |
| 291.9194 | 22:31 | 22:32 | -4 | 1.108 | 8961 | 2312 | 48 | 120 | 48 | 0.70(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:32 | 22:32 | -3 | 1.108 | 6233 | 1514 | 31 | 77 | 49 | | |
| 291.9194 | 22:31 | 22:32 | -4 | 1.108 | 8961 | 2312 | 48 | 120 | 48 | 0.70(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:16 | 23:16 | -2 | 1.145 | 10510 | 2798 | 31 | 77 | 90 | | |
| 291.9194 | 23:16 | 23:16 | -2 | 1.145 | 13446 | 3219 | 48 | 120 | 67 | 0.78(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:16 | 23:16 | -2 | 1.145 | 10510 | 2798 | 31 | 77 | 90 | | |
| 291.9194 | 23:16 | 23:16 | -2 | 1.145 | 13446 | 3219 | 48 | 120 | 67 | 0.78(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:30 | | | | | | 31 | 77 | | | |
| 291.9194 | 23:30 | | | | | | 48 | 120 | | | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:55 | -2 | 1.226 | 21039 | 4758 | 31 | 77 | 153 | | |
| 291.9194 | 24:56 | 24:55 | -2 | 1.226 | 29093 | 7299 | 48 | 120 | 152 | 0.72(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 31 | 77 | | | |
| 291.9194 | 25:04 | | | | | | 48 | 120 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 31 | 77 | | | |
| 291.9194 | 25:04 | | | | | | 48 | 120 | | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:22 | 0 | 1.250 | 21079 | 5167 | 31 | 77 | 167 | | |
| 291.9194 | 25:25 | 25:22 | 0 | 1.250 | 28751 | 5733 | 48 | 120 | 119 | 0.73(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:22 | 0 | 1.250 | 21079 | 5167 | 31 | 77 | 167 | | |
| 291.9194 | 25:25 | 25:22 | 0 | 1.250 | 28751 | 5733 | 48 | 120 | 119 | 0.73(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:41 | | | | | | 31 | 77 | | | |
| 291.9194 | 25:41 | | | | | | 48 | 120 | | | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:56 | 0 | 1.277 | 28775 | 5259 | 31 | 77 | 170 | | |
| 291.9194 | 25:58 | 25:56 | 0 | 1.277 | 37163 | 7051 | 48 | 120 | 147 | 0.77(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:56 | 0 | 1.277 | 28775 | 5259 | 31 | 77 | 170 | | |
| 291.9194 | 25:58 | 25:56 | 0 | 1.277 | 37163 | 7051 | 48 | 120 | 147 | 0.77(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:56 | 0 | 1.277 | 28775 | 5259 | 31 | 77 | 170 | | |
| 291.9194 | 25:58 | 25:56 | 0 | 1.277 | 37163 | 7051 | 48 | 120 | 147 | 0.77(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:13 | | | | | | 31 | 77 | | | |
| 291.9194 | 26:13 | | | | | | 48 | 120 | | | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:13 | | | | | | 31 | 77 | | | |
| 291.9194 | 26:13 | | | | | | 48 | 120 | | | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:13 | | | | | | 31 | 77 | | | |
| 291.9194 | 26:13 | | | | | | 48 | 120 | | | |
| PCB-42 | | | | | | | | | | | RQ |
| 289.9224 | 26:27 | 26:26 | -2 | 1.301 | 1862 | 461 | 31 | 77 | 15 | | |
| 291.9194 | 26:27 | 26:26 | -3 | 1.300 | 3033 | 584 | 48 | 120 | 12 | 0.61(0.65-0.89) | |
| | Empc Correction | | | | 2418 | 598 | 48 | 120 | 12 | | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:57 | 26:56 | -2 | 1.326 | 8232 | 1783 | 31 | 77 | 58 | | |
| 291.9194 | 26:56 | 26:56 | -3 | 1.325 | 11318 | 2616 | 48 | 120 | 55 | 0.73(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:57 | 26:56 | -2 | 1.326 | 8232 | 1783 | 31 | 77 | 58 | | |
| 291.9194 | 26:56 | 26:56 | -3 | 1.325 | 11318 | 2616 | 48 | 120 | 55 | 0.73(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:57 | 26:56 | -2 | 1.326 | 8232 | 1783 | 31 | 77 | 58 | | |
| 291.9194 | 26:56 | 26:56 | -3 | 1.325 | 11318 | 2616 | 48 | 120 | 55 | 0.73(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | RQ |
| 289.9224 | 27:10 | 27:09 | -2 | 1.336 | 3053 | 649 | 31 | 77 | 21 | | |
| | Empc Correction | | | | 1513 | 398 | 31 | 77 | 13 | | |
| 291.9194 | 27:10 | 27:09 | -2 | 1.336 | 1965 | 517 | 48 | 120 | 11 | 1.55(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:01 | | | | | | 31 | 77 | | | |
| 291.9194 | 28:01 | | | | | | 48 | 120 | | | |
| PCB-68 | | | | | | | | | | | RQ |
| 289.9224 | 28:17 | 28:18 | -2 | 0.836 | 1978 | 492 | 31 | 77 | 16 | | |
| | Empc Correction | | | | 1693 | 351 | 31 | 77 | 11 | | |
| 291.9194 | 28:17 | 28:18 | -2 | 0.836 | 2200 | 457 | 48 | 120 | 10 | 0.90(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:43 | | | | | | 31 | 77 | | | |
| 291.9194 | 28:43 | | | | | | 48 | 120 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:57 | | | | | | 31 | 77 | | | |
| 291.9194 | 28:57 | | | | | | 48 | 120 | | | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:07 | | | | | | 31 | 77 | | | |
| 291.9194 | 29:07 | | | | | | 48 | 120 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:23 | | | | | | 31 | 77 | | | |
| 291.9194 | 29:23 | | | | | | 48 | 120 | | | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:43 | -3 | 0.878 | 16574 | 3079 | 31 | 77 | 99 | | |
| 291.9194 | 29:44 | 29:43 | -1 | 0.879 | 20765 | 3209 | 48 | 120 | 67 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:43 | -3 | 0.878 | 16574 | 3079 | 31 | 77 | 99 | | |
| 291.9194 | 29:44 | 29:43 | -1 | 0.879 | 20765 | 3209 | 48 | 120 | 67 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:43 | -3 | 0.878 | 16574 | 3079 | 31 | 77 | 99 | | |
| 291.9194 | 29:44 | 29:43 | -1 | 0.879 | 20765 | 3209 | 48 | 120 | 67 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:43 | -3 | 0.878 | 16574 | 3079 | 31 | 77 | 99 | | |
| 291.9194 | 29:44 | 29:43 | -1 | 0.879 | 20765 | 3209 | 48 | 120 | 67 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | RQ |
| 289.9224 | 30:02 | 30:03 | -3 | 0.888 | 8955 | 1823 | 31 | 77 | 59 | | |
| | Empc Correction | | | | 6444 | 1382 | 31 | 77 | 45 | | |
| 291.9194 | 30:02 | 30:03 | -3 | 0.888 | 8369 | 1796 | 48 | 120 | 37 | 1.07(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:12 | | | | | | 31 | 77 | | | |
| 291.9194 | 30:12 | | | | | | 48 | 120 | | | |
| PCB-56 | | | | | | | | | | | RQM |
| 289.9224 | 30:43 | 30:43 | -1 | 0.908 | 2390 | 603 | 31 | 77 | 19 | | |
| 291.9194 | 30:43 | 30:43 | -1 | 0.908 | 3945 | 853 | 48 | 120 | 18 | 0.61(0.65-0.89) | M |
| | Empc Correction | | | | 3103 | 783 | 48 | 120 | 16 | | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:56 | | | | | | 31 | 77 | | | |
| 291.9194 | 30:56 | | | | | | 48 | 120 | | | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:20 | | | | | | 31 | 77 | | | |
| 291.9194 | 31:20 | | | | | | 48 | 120 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:52 | | | | | | 31 | 77 | | | |
| 291.9194 | 32:52 | | | | | | 48 | 120 | | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:25 | | | | | | 31 | 77 | | | |
| 291.9194 | 33:25 | | | | | | 48 | 120 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:51 | | | | | | 31 | 77 | | | |
| 291.9194 | 33:51 | | | | | | 48 | 120 | | | |
| PCB-77 | | | | | | | | | | | RQU |
| 289.9224 | 34:25 | | | | | | 31 | 77 | | | |
| 291.9194 | 34:25 | | | | | | 48 | 120 | | | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:52 | -2 | 0.814 | 690436 | 157162 | 58 | 145 | 2710 | | |
| 339.9178 | 25:51 | 25:52 | -2 | 0.814 | 430186 | 98040 | 7 | 17 | 14006 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:46 | 31:48 | -2 | | 834483 | 179084 | 58 | 145 | 3088 | | |
| 339.9178 | 31:46 | 31:48 | -2 | | 504546 | 111848 | 7 | 17 | 15978 | 1.65(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:27 | 34:27 | -2 | 1.085 | 870822 | 186628 | 58 | 145 | 3218 | | |
| 339.9178 | 34:27 | 34:27 | -2 | 1.085 | 553107 | 116627 | 7 | 17 | 16661 | 1.57(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:24 | 36:25 | -2 | 1.146 | 1001675 | 203893 | 965 | 2412 | 211 | | |
| 339.9178 | 36:25 | 36:25 | -2 | 1.146 | 639518 | 135540 | 529 | 1322 | 256 | 1.57(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:44 | 36:44 | -2 | 1.156 | 1100074 | 224393 | 965 | 2412 | 233 | | |
| 339.9178 | 36:44 | 36:44 | -2 | 1.156 | 676985 | 142163 | 529 | 1322 | 269 | 1.62(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:16 | 37:15 | -2 | 1.173 | 1006629 | 203119 | 965 | 2412 | 210 | | |
| 339.9178 | 37:16 | 37:15 | -2 | 1.173 | 653639 | 133719 | 529 | 1322 | 253 | 1.54(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:54 | 37:54 | -2 | 1.193 | 1038747 | 208350 | 965 | 2412 | 216 | | |
| 339.9178 | 37:54 | 37:54 | -2 | 1.193 | 661755 | 129885 | 529 | 1322 | 246 | 1.57(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:23 | 39:25 | -2 | | 1304324 | 263814 | 965 | 2412 | 273 | | |
| 339.9178 | 39:23 | 39:25 | -2 | | 848095 | 168131 | 529 | 1322 | 318 | 1.54(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:00 | 41:00 | -2 | 1.291 | 1041057 | 206178 | 965 | 2412 | 214 | | |
| 339.9178 | 41:00 | 41:00 | -2 | 1.291 | 641239 | 129420 | 529 | 1322 | 245 | 1.62(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | | | | | | 76 | 190 | | | |
| 327.8775 | 25:53 | | | | | | 33 | 82 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:15 | | | | | | 76 | 190 | | | |
| 327.8775 | 26:15 | | | | | | 33 | 82 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:10 | 28:11 | -3 | 1.090 | 3325 | 687 | 76 | 190 | 9 | | |
| 327.8775 | 28:11 | 28:11 | -2 | 1.090 | 1984 | 457 | 33 | 82 | 14 | 1.68(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:24 | | | | | | 76 | 190 | | | |
| 327.8775 | 28:24 | | | | | | 33 | 82 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:51 | 28:51 | -2 | 1.116 | 34372 | 7566 | 76 | 190 | 100 | | |
| 327.8775 | 28:50 | 28:51 | -3 | 1.115 | 21559 | 4623 | 33 | 82 | 140 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | RQ |
| 325.8804 | 29:05 | 29:04 | -1 | 1.125 | 3203 | 704 | 76 | 190 | 9 | | |
| | Empc Correction | | | | 2574 | 640 | 76 | 190 | 8 | | |
| 327.8775 | 29:05 | 29:04 | 0 | 1.125 | 1661 | 413 | 33 | 82 | 13 | 1.93(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | RQ |
| 325.8804 | 29:05 | 29:04 | -1 | 1.125 | 3203 | 704 | 76 | 190 | 9 | | |
| | Empc Correction | | | | 2574 | 640 | 76 | 190 | 8 | | |
| 327.8775 | 29:05 | 29:04 | 0 | 1.125 | 1661 | 413 | 33 | 82 | 13 | 1.93(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:12 | 29:13 | -3 | 1.130 | 5775 | 1323 | 76 | 190 | 17 | | |
| 327.8775 | 29:13 | 29:13 | -2 | 1.130 | 3802 | 712 | 33 | 82 | 22 | 1.52(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:12 | 29:13 | -3 | 1.130 | 5775 | 1323 | 76 | 190 | 17 | | |
| 327.8775 | 29:13 | 29:13 | -2 | 1.130 | 3802 | 712 | 33 | 82 | 22 | 1.52(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:42 | 29:43 | -3 | 1.149 | 8678 | 1842 | 76 | 190 | 24 | | |
| 327.8775 | 29:43 | 29:43 | -2 | 1.149 | 5795 | 1107 | 33 | 82 | 34 | 1.50(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:42 | 29:43 | -3 | 1.149 | 8678 | 1842 | 76 | 190 | 24 | | |
| 327.8775 | 29:43 | 29:43 | -2 | 1.149 | 5795 | 1107 | 33 | 82 | 34 | 1.50(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | RQ |
| 325.8804 | 29:57 | 29:55 | -1 | 1.158 | 5922 | 1118 | 76 | 190 | 15 | | |
| | Empc Correction | | | | 4392 | 933 | 76 | 190 | 12 | | |
| 327.8775 | 29:55 | 29:55 | -3 | 1.157 | 2834 | 602 | 33 | 82 | 18 | 2.09(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:24 | | | | | | 76 | 190 | | | |
| 327.8775 | 30:24 | | | | | | 33 | 82 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:50 | | | | | | 76 | 190 | | | |
| 327.8775 | 30:50 | | | | | | 33 | 82 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:13 | 31:12 | -1 | 0.858 | 11826 | 2545 | 76 | 190 | 33 | | |
| 327.8775 | 31:12 | 31:12 | -2 | 0.857 | 7231 | 1454 | 33 | 82 | 44 | 1.64(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:46 | -1 | 1.230 | 48301 | 9602 | 76 | 190 | 126 | | |
| 327.8775 | 31:47 | 31:46 | -1 | 1.230 | 30383 | 6209 | 33 | 82 | 188 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:46 | -1 | 1.230 | 48301 | 9602 | 76 | 190 | 126 | | |
| 327.8775 | 31:47 | 31:46 | -1 | 1.230 | 30383 | 6209 | 33 | 82 | 188 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:46 | -1 | 1.230 | 48301 | 9602 | 76 | 190 | 126 | | |
| 327.8775 | 31:47 | 31:46 | -1 | 1.230 | 30383 | 6209 | 33 | 82 | 188 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | RQ |
| 325.8804 | 32:22 | 32:22 | -3 | 1.252 | 29453 | 5151 | 76 | 190 | 68 | | |
| | Empc Correction | | | | 24353 | 4817 | 76 | 190 | 63 | | |
| 327.8775 | 32:23 | 32:22 | -2 | 1.252 | 15712 | 3108 | 33 | 82 | 94 | 1.87(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | RQ |
| 325.8804 | 32:22 | 32:22 | -3 | 1.252 | 29453 | 5151 | 76 | 190 | 68 | | |
| | Empc Correction | | | | 24353 | 4817 | 76 | 190 | 63 | | |
| 327.8775 | 32:23 | 32:22 | -2 | 1.252 | 15712 | 3108 | 33 | 82 | 94 | 1.87(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | | | | | | 76 | 190 | | | |
| 327.8775 | 32:29 | | | | | | 33 | 82 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | |
| 325.8804 | 32:52 | 32:51 | -1 | 1.271 | 21001 | 2747 | 76 | 190 | 36 | | |
| 327.8775 | 32:52 | 32:51 | -1 | 1.271 | 12016 | 1581 | 33 | 82 | 48 | 1.75(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | |
| 325.8804 | 32:52 | 32:51 | -1 | 1.271 | 21001 | 2747 | 76 | 190 | 36 | | |
| 327.8775 | 32:52 | 32:51 | -1 | 1.271 | 12016 | 1581 | 33 | 82 | 48 | 1.75(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | |
| 325.8804 | 32:52 | 32:51 | -1 | 1.271 | 21001 | 2747 | 76 | 190 | 36 | | |
| 327.8775 | 32:52 | 32:51 | -1 | 1.271 | 12016 | 1581 | 33 | 82 | 48 | 1.75(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | |
| 325.8804 | 32:52 | 32:51 | -1 | 1.271 | 21001 | 2747 | 76 | 190 | 36 | | |
| 327.8775 | 32:52 | 32:51 | -1 | 1.271 | 12016 | 1581 | 33 | 82 | 48 | 1.75(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | |
| 325.8804 | 32:52 | 32:51 | -1 | 1.271 | 21001 | 2747 | 76 | 190 | 36 | | |
| 327.8775 | 32:52 | 32:51 | -1 | 1.271 | 12016 | 1581 | 33 | 82 | 48 | 1.75(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | |
| 325.8804 | 32:52 | 32:51 | -1 | 1.271 | 21001 | 2747 | 76 | 190 | 36 | | |
| 327.8775 | 32:52 | 32:51 | -1 | 1.271 | 12016 | 1581 | 33 | 82 | 48 | 1.75(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:34 | | | | | | 76 | 190 | | | |
| 327.8775 | 33:34 | | | | | | 33 | 82 | | | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | | | | | | 76 | 190 | | | |
| 327.8775 | 33:34 | | | | | | 33 | 82 | | | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | | | | | | 76 | 190 | | | |
| 327.8775 | 33:34 | | | | | | 33 | 82 | | | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:49 | -6 | 1.306 | 41463 | 8745 | 76 | 190 | 115 | | |
| 327.8775 | 33:45 | 33:49 | -6 | 1.305 | 26838 | 5538 | 33 | 82 | 168 | 1.54(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:49 | -6 | 1.306 | 41463 | 8745 | 76 | 190 | 115 | | |
| 327.8775 | 33:45 | 33:49 | -6 | 1.305 | 26838 | 5538 | 33 | 82 | 168 | 1.54(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | RQ |
| 325.8804 | 34:05 | 34:04 | -2 | 1.318 | 2516 | 555 | 76 | 190 | 7 | | |
| | Empc Correction | | | | 2118 | 472 | 76 | 190 | 6 | | |
| 327.8775 | 34:03 | 34:04 | -3 | 1.317 | 1367 | 305 | 33 | 82 | 9 | 1.84(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | | | | | | 76 | 190 | | | |
| 327.8775 | 34:28 | | | | | | 33 | 82 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:55 | | | | | | 76 | 190 | | | |
| 327.8775 | 34:55 | | | | | | 33 | 82 | | | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:04 | | | | | | 55 | 137 | | | |
| 327.8775 | 36:04 | | | | | | 39 | 97 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:04 | | | | | | 55 | 137 | | | |
| 327.8775 | 36:04 | | | | | | 39 | 97 | | | |
| PCB-107 | | | | | | | | | | | RQM |
| 325.8804 | 36:19 | 36:19 | -2 | 1.405 | 4363 | 1031 | 55 | 137 | 19 | | M |
| 327.8775 | 36:19 | 36:19 | -2 | 1.404 | 3853 | 656 | 39 | 97 | 17 | 1.13(1.32-1.78) | |
| | Empc Correction | | | | 2814 | 665 | 39 | 97 | 17 | | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:25 | | | | | | 55 | 137 | | | |
| 327.8775 | 36:25 | | | | | | 39 | 97 | | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:32 | | | | | | 55 | 137 | | | |
| 327.8775 | 36:32 | | | | | | 39 | 97 | | | |
| PCB-118 | | | | | | | | | | | M |
| 325.8804 | 36:46 | 36:46 | -2 | 1.001 | 30734 | 6337 | 55 | 137 | 115 | | M |
| 327.8775 | 36:46 | 36:46 | -2 | 1.001 | 20774 | 4065 | 39 | 97 | 104 | 1.48(1.32-1.78) | M |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:06 | | | | | | 55 | 137 | | | |
| 327.8775 | 37:06 | | | | | | 39 | 97 | | | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:17 | | | | | | 55 | 137 | | | |
| 327.8775 | 37:17 | | | | | | 39 | 97 | | | |
| PCB-105 | | | | | | | | | | | RQM |
| 325.8804 | 37:56 | 37:56 | -2 | 1.001 | 9681 | 1728 | 55 | 137 | 31 | | M |
| | Empc Correction | | | | 8064 | 1642 | 55 | 137 | 30 | | |
| 327.8775 | 37:56 | 37:56 | -2 | 1.001 | 5203 | 1060 | 39 | 97 | 27 | 1.86(1.32-1.78) | M |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:25 | | | | | | 55 | 137 | | | |
| 327.8775 | 39:25 | | | | | | 39 | 97 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:00 | | | | | | 55 | 137 | | | |
| 327.8775 | 41:00 | | | | | | 39 | 97 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:33 | 31:33 | -2 | 0.792 | 616807 | 132374 | 78 | 195 | 1697 | | |
| 373.8788 | 31:33 | 31:33 | -2 | 0.792 | 480301 | 102660 | 96 | 240 | 1069 | 1.28(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:51 | 39:54 | -2 | | 886541 | 179695 | 402 | 1005 | 447 | | |
| 373.8788 | 39:51 | 39:54 | -2 | | 720244 | 146305 | 309 | 772 | 473 | 1.23(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:53 | 42:52 | -2 | 1.076 | 934320 | 188941 | 402 | 1005 | 470 | | |
| 373.8788 | 42:53 | 42:52 | -2 | 1.076 | 733810 | 149519 | 309 | 772 | 484 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:01 | -3 | 1.104 | 1813471 | 246135 | 402 | 1005 | 612 | | |
| 373.8788 | 44:01 | 44:01 | -2 | 1.105 | 1449263 | 200464 | 309 | 772 | 649 | 1.25(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:01 | -3 | 1.104 | 1813471 | 246135 | 402 | 1005 | 612 | | |
| 373.8788 | 44:01 | 44:01 | -2 | 1.105 | 1449263 | 200464 | 309 | 772 | 649 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:15 | 47:14 | -2 | 1.186 | 982469 | 190197 | 402 | 1005 | 473 | | |
| 373.8788 | 47:15 | 47:14 | -2 | 1.186 | 761868 | 144827 | 309 | 772 | 469 | 1.29(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:34 | | | | | | 20 | 50 | | | |
| 361.8385 | 31:34 | | | | | | 15 | 37 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:45 | | | | | | 20 | 50 | | | |
| 361.8385 | 31:45 | | | | | | 15 | 37 | | | |
| PCB-150 | | | | | | | | | | | RQ |
| 359.8415 | 31:56 | 31:56 | -2 | 1.012 | 729 | 155 | 20 | 50 | 8 | | |
| 361.8385 | 31:56 | 31:56 | -2 | 1.012 | 1238 | 222 | 15 | 37 | 15 | 0.59(1.05-1.43) | |
| | Empc Correction | | | | 587 | 124 | 15 | 37 | 8 | | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:16 | 32:16 | -3 | 1.023 | 10349 | 2031 | 20 | 50 | 102 | | |
| 361.8385 | 32:17 | 32:16 | -1 | 1.023 | 9650 | 2080 | 15 | 37 | 139 | 1.07(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQ |
| 359.8415 | 32:33 | 32:35 | -4 | 1.031 | 408 | 111 | 20 | 50 | 6 | | |
| | Empc Correction | | | | 179 | 99 | 20 | 50 | 5 | | |
| 361.8385 | 32:34 | 32:35 | -3 | 1.032 | 145 | 80 | 15 | 37 | 5 | 2.81(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:05 | 34:06 | -3 | 1.080 | 875 | 233 | 20 | 50 | 12 | | |
| 361.8385 | 34:06 | 34:06 | -3 | 1.081 | 801 | 213 | 15 | 37 | 14 | 1.09(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:41 | 34:41 | -2 | 1.099 | 19523 | 2755 | 20 | 50 | 138 | | |
| 361.8385 | 34:40 | 34:41 | -3 | 1.099 | 14462 | 1725 | 15 | 37 | 115 | 1.35(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:41 | 34:41 | -2 | 1.099 | 19523 | 2755 | 20 | 50 | 138 | | |
| 361.8385 | 34:40 | 34:41 | -3 | 1.099 | 14462 | 1725 | 15 | 37 | 115 | 1.35(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | RQ |
| 359.8415 | 34:57 | 34:57 | -2 | 1.108 | 4348 | 902 | 20 | 50 | 45 | | |
| | Empc Correction | | | | 3501 | 649 | 20 | 50 | 32 | | |
| 361.8385 | 34:57 | 34:57 | -2 | 1.108 | 2824 | 524 | 15 | 37 | 35 | 1.54(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | RQ |
| 359.8415 | 35:14 | 35:15 | -3 | 1.117 | 1580 | 275 | 20 | 50 | 14 | | |
| 361.8385 | 35:15 | 35:15 | -2 | 1.117 | 1724 | 391 | 15 | 37 | 26 | 0.92(1.05-1.43) | |
| | Empc Correction | | | | 1274 | 221 | 15 | 37 | 15 | | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:37 | -2 | 1.129 | 57686 | 12069 | 62 | 155 | 195 | | |
| 361.8385 | 35:37 | 35:37 | -2 | 1.129 | 43838 | 8719 | 45 | 112 | 194 | 1.32(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:37 | -2 | 1.129 | 57686 | 12069 | 62 | 155 | 195 | | |
| 361.8385 | 35:37 | 35:37 | -2 | 1.129 | 43838 | 8719 | 45 | 112 | 194 | 1.32(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:50 | 35:50 | -7 | 1.136 | 2610 | 516 | 62 | 155 | 8 | | a |
| 361.8385 | 35:49 | 35:50 | -8 | 1.135 | 2082 | 529 | 45 | 112 | 12 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:50 | 35:50 | -7 | 1.136 | 2610 | 516 | 62 | 155 | 8 | | a |
| 361.8385 | 35:49 | 35:50 | -8 | 1.135 | 2082 | 529 | 45 | 112 | 12 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:13 | | | | | | 62 | 155 | | | |
| 361.8385 | 36:13 | | | | | | 45 | 112 | | | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:13 | | | | | | 62 | 155 | | | |
| 361.8385 | 36:13 | | | | | | 45 | 112 | | | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:25 | | | | | | 62 | 155 | | | |
| 361.8385 | 36:25 | | | | | | 45 | 112 | | | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:34 | | | | | | 62 | 155 | | | |
| 361.8385 | 36:34 | | | | | | 45 | 112 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:52 | 36:52 | -2 | 1.169 | 13132 | 2523 | 62 | 155 | 41 | | |
| 361.8385 | 36:53 | 36:52 | -1 | 1.169 | 11007 | 2167 | 45 | 112 | 48 | 1.19(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | RQ |
| 359.8415 | 37:23 | 37:22 | -2 | 1.185 | 2032 | 537 | 62 | 155 | 9 | | |
| | Empc Correction | | | | 1144 | 381 | 62 | 155 | 6 | | |
| 361.8385 | 37:23 | 37:22 | -2 | 1.185 | 923 | 308 | 45 | 112 | 7 | 2.20(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:48 | | | | | | 62 | 155 | | | |
| 361.8385 | 37:48 | | | | | | 45 | 112 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:02 | 38:02 | -1 | 0.887 | 17725 | 3618 | 62 | 155 | 58 | | |
| 361.8385 | 38:01 | 38:02 | -2 | 0.887 | 14427 | 3072 | 45 | 112 | 68 | 1.23(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:10 | | | | | | 62 | 155 | | | |
| 361.8385 | 38:10 | | | | | | 45 | 112 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:41 | -4 | 0.901 | 66159 | 13135 | 62 | 155 | 212 | | |
| 361.8385 | 38:38 | 38:41 | -4 | 0.901 | 53052 | 10299 | 45 | 112 | 229 | 1.25(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:41 | -4 | 0.901 | 66159 | 13135 | 62 | 155 | 212 | | |
| 361.8385 | 38:38 | 38:41 | -4 | 0.901 | 53052 | 10299 | 45 | 112 | 229 | 1.25(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | M |
| 359.8415 | 38:51 | 38:50 | -1 | 0.906 | 7722 | 1308 | 62 | 155 | 21 | | M |
| 361.8385 | 38:50 | 38:50 | -2 | 0.906 | 6820 | 1079 | 45 | 112 | 24 | 1.13(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | RQ |
| 359.8415 | 39:14 | 39:15 | -2 | 0.915 | 3691 | 617 | 62 | 155 | 10 | | |
| | Empc Correction | | | | 3036 | 546 | 62 | 155 | 9 | | |
| 361.8385 | 39:13 | 39:15 | -4 | 0.915 | 2449 | 441 | 45 | 112 | 10 | 1.51(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | RQ |
| 359.8415 | 39:28 | 39:28 | -2 | 0.920 | 1187 | 311 | 62 | 155 | 5 | | |
| 361.8385 | 39:28 | 39:28 | -2 | 0.920 | 1492 | 341 | 45 | 112 | 8 | 0.80(1.05-1.43) | |
| | Empc Correction | | | | 957 | 250 | 45 | 112 | 6 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | RQ |
| 359.8415 | 39:34 | 39:36 | -3 | 0.923 | 5941 | 927 | 62 | 155 | 15 | | |
| | Empc Correction | | | | 5009 | 1088 | 62 | 155 | 18 | | |
| 361.8385 | 39:35 | 39:36 | -2 | 0.923 | 4040 | 878 | 45 | 112 | 20 | 1.47(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:53 | 39:53 | -3 | 0.930 | 48640 | 9331 | 62 | 155 | 151 | | M |
| 361.8385 | 39:54 | 39:53 | -2 | 0.930 | 39494 | 7618 | 45 | 112 | 169 | 1.23(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:53 | 39:53 | -3 | 0.930 | 48640 | 9331 | 62 | 155 | 151 | | M |
| 361.8385 | 39:54 | 39:53 | -2 | 0.930 | 39494 | 7618 | 45 | 112 | 169 | 1.23(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:53 | 39:53 | -3 | 0.930 | 48640 | 9331 | 62 | 155 | 151 | | M |
| 361.8385 | 39:54 | 39:53 | -2 | 0.930 | 39494 | 7618 | 45 | 112 | 169 | 1.23(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:53 | 39:53 | -3 | 0.930 | 48640 | 9331 | 62 | 155 | 151 | | M |
| 361.8385 | 39:54 | 39:53 | -2 | 0.930 | 39494 | 7618 | 45 | 112 | 169 | 1.23(1.05-1.43) | M |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:18 | 40:17 | -1 | 0.940 | 6913 | 934 | 62 | 155 | 15 | | |
| 361.8385 | 40:16 | 40:17 | -2 | 0.939 | 5297 | 738 | 45 | 112 | 16 | 1.31(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | M |
| 359.8415 | 41:09 | 41:09 | 0 | 0.960 | 6919 | 978 | 62 | 155 | 16 | | M |
| 361.8385 | 41:08 | 41:09 | -1 | 0.959 | 5525 | 774 | 45 | 112 | 17 | 1.25(1.05-1.43) | M |
| PCB-166 (C128) | | | | | | | | | | | M |
| 359.8415 | 41:09 | 41:09 | 0 | 0.960 | 6919 | 978 | 62 | 155 | 16 | | M |
| 361.8385 | 41:08 | 41:09 | -1 | 0.959 | 5525 | 774 | 45 | 112 | 17 | 1.25(1.05-1.43) | M |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:08 | | | | | | 62 | 155 | | | |
| 361.8385 | 42:08 | | | | | | 45 | 112 | | | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:25 | | | | | | 62 | 155 | | | |
| 361.8385 | 42:25 | | | | | | 45 | 112 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:54 | | | | | | 62 | 155 | | | |
| 361.8385 | 42:54 | | | | | | 45 | 112 | | | |
| PCB-156 | | | | | | | | | | | RQM |
| 359.8415 | 44:01 | 44:01 | -3 | 1.000 | 5854 | 940 | 62 | 155 | 15 | | |
| | Empc Correction | | | | 4692 | 863 | 62 | 155 | 14 | | |
| 361.8385 | 44:01 | 44:01 | -3 | 1.000 | 3784 | 696 | 45 | 112 | 15 | 1.55(1.05-1.43) | M |
| PCB-157 (C156) | | | | | | | | | | | RQM |
| 359.8415 | 44:01 | 44:01 | -3 | 1.000 | 5854 | 940 | 62 | 155 | 15 | | |
| | Empc Correction | | | | 4692 | 863 | 62 | 155 | 14 | | |
| 361.8385 | 44:01 | 44:01 | -3 | 1.000 | 3784 | 696 | 45 | 112 | 15 | 1.55(1.05-1.43) | M |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:17 | | | | | | 62 | 155 | | | |
| 361.8385 | 47:17 | | | | | | 45 | 112 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:16 | 37:17 | -2 | 0.820 | 727362 | 146249 | 95 | 237 | 1539 | | |
| 407.8398 | 37:16 | 37:17 | -2 | 0.820 | 659294 | 134625 | 133 | 332 | 1012 | 1.10(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:20 | 40:20 | -2 | 0.888 | 573180 | 117849 | 95 | 237 | 1241 | | |
| 407.8398 | 40:20 | 40:20 | -2 | 0.888 | 540258 | 101202 | 133 | 332 | 761 | 1.06(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:25 | 45:27 | -2 | | 737788 | 153908 | 95 | 237 | 1620 | | |
| 407.8398 | 45:25 | 45:27 | -2 | | 696167 | 135674 | 133 | 332 | 1020 | 1.06(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:41 | 46:41 | -2 | 1.028 | 492357 | 95253 | 95 | 237 | 1003 | | |
| 407.8398 | 46:41 | 46:41 | -2 | 1.028 | 433686 | 83024 | 133 | 332 | 624 | 1.14(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:48 | 49:47 | -2 | 1.096 | 814017 | 154714 | 880 | 2200 | 176 | | |
| 407.8398 | 49:48 | 49:47 | -2 | 1.096 | 748469 | 146342 | 670 | 1675 | 218 | 1.09(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:17 | | | | | | 22 | 55 | | | |
| 395.7995 | 37:17 | | | | | | 36 | 90 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:37 | 37:37 | -2 | 1.009 | 7748 | 1614 | 22 | 55 | 73 | | |
| 395.7995 | 37:38 | 37:37 | -2 | 1.010 | 8629 | 2026 | 36 | 90 | 56 | 0.90(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:09 | | | | | | 22 | 55 | | | |
| 395.7995 | 38:09 | | | | | | 36 | 90 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:30 | 38:30 | -2 | 1.033 | 2209 | 358 | 22 | 55 | 16 | | |
| 395.7995 | 38:31 | 38:30 | -1 | 1.034 | 2400 | 441 | 36 | 90 | 12 | 0.92(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:57 | | | | | | 22 | 55 | | | |
| 395.7995 | 38:57 | | | | | | 36 | 90 | | | |
| PCB-178 | | | | | | | | | | | RQ |
| 393.8025 | 40:20 | 40:20 | -2 | 1.082 | 3605 | 720 | 22 | 55 | 33 | | |
| | Empc Correction | | | | 2962 | 670 | 22 | 55 | 30 | | |
| 395.7995 | 40:20 | 40:20 | -3 | 1.082 | 2821 | 639 | 36 | 90 | 18 | 1.28(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | RQa |
| 393.8025 | 41:02 | 41:02 | 2 | 1.101 | 916 | 129 | 22 | 55 | 6 | | a |
| 395.7995 | 41:00 | 41:02 | -1 | 1.100 | 1045 | 260 | 36 | 90 | 7 | 0.88(0.89-1.21) | |
| | Empc Correction | | | | 872 | 122 | 36 | 90 | 3 | | |
| PCB-187 | | | | | | | | | | | M |
| 393.8025 | 41:15 | 41:14 | -2 | 1.107 | 18186 | 3237 | 22 | 55 | 147 | | |
| 395.7995 | 41:14 | 41:14 | -2 | 1.107 | 18887 | 3634 | 36 | 90 | 101 | 0.96(0.89-1.21) | M |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:27 | | | | | | 22 | 55 | | | |
| 395.7995 | 41:27 | | | | | | 36 | 90 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:51 | 41:51 | -2 | 1.123 | 9746 | 1617 | 22 | 55 | 74 | | M |
| 395.7995 | 41:52 | 41:51 | -2 | 1.124 | 10369 | 1620 | 36 | 90 | 45 | 0.94(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:51 | 41:51 | -2 | 1.123 | 9746 | 1617 | 22 | 55 | 74 | | M |
| 395.7995 | 41:52 | 41:51 | -2 | 1.124 | 10369 | 1620 | 36 | 90 | 45 | 0.94(0.89-1.21) | M |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:06 | 42:05 | -2 | 1.130 | 11211 | 2510 | 22 | 55 | 114 | | |
| 395.7995 | 42:07 | 42:05 | -1 | 1.130 | 10736 | 2206 | 36 | 90 | 61 | 1.04(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | M |
| 393.8025 | 42:32 | 42:31 | -2 | 1.141 | 8610 | 1443 | 22 | 55 | 66 | | M |
| 395.7995 | 42:33 | 42:31 | -1 | 1.142 | 8885 | 1732 | 36 | 90 | 48 | 0.97(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:55 | | | | | | 22 | 55 | | | |
| 395.7995 | 42:55 | | | | | | 36 | 90 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:09 | -1 | 1.159 | 3647 | 628 | 22 | 55 | 29 | | |
| 395.7995 | 43:09 | 43:09 | -2 | 1.158 | 3720 | 587 | 36 | 90 | 16 | 0.98(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:09 | -1 | 1.159 | 3647 | 628 | 22 | 55 | 29 | | |
| 395.7995 | 43:09 | 43:09 | -2 | 1.158 | 3720 | 587 | 36 | 90 | 16 | 0.98(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | M |
| 393.8025 | 44:48 | 44:49 | -2 | 0.900 | 2291 | 588 | 22 | 55 | 27 | | M |
| 395.7995 | 44:49 | 44:49 | -1 | 0.900 | 2185 | 463 | 36 | 90 | 13 | 1.05(0.89-1.21) | M |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:05 | | | | | | 22 | 55 | | | |
| 395.7995 | 45:05 | | | | | | 36 | 90 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:27 | 45:24 | 1 | 0.913 | 27785 | 5079 | 22 | 55 | 231 | | |
| 395.7995 | 45:26 | 45:24 | 1 | 0.912 | 29271 | 5619 | 36 | 90 | 156 | 0.95(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:27 | 45:24 | 1 | 0.913 | 27785 | 5079 | 22 | 55 | 231 | | |
| 395.7995 | 45:26 | 45:24 | 1 | 0.912 | 29271 | 5619 | 36 | 90 | 156 | 0.95(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:48 | | | | | | 22 | 55 | | | |
| 395.7995 | 45:48 | | | | | | 36 | 90 | | | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:42 | 46:42 | -1 | 0.938 | 11608 | 2007 | 22 | 55 | 91 | | |
| 395.7995 | 46:42 | 46:42 | -1 | 0.938 | 10680 | 1976 | 36 | 90 | 55 | 1.09(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | Ma |
| 393.8025 | 47:13 | 47:14 | -2 | 0.948 | 3565 | 886 | 22 | 55 | 40 | | M |
| 395.7995 | 47:14 | 47:14 | 0 | 0.949 | 3303 | 563 | 36 | 90 | 16 | 1.08(0.89-1.21) | M |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:49 | | | | | | 65 | 162 | | | |
| 395.7995 | 49:49 | | | | | | 42 | 105 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:39 | 42:39 | -2 | 0.822 | 589861 | 114619 | 167 | 417 | 686 | | |
| 441.8008 | 42:38 | 42:39 | -2 | 0.821 | 624799 | 126439 | 321 | 802 | 394 | 0.94(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:55 | 51:56 | -2 | | 700060 | 132197 | 373 | 932 | 354 | | |
| 441.8008 | 51:55 | 51:56 | -2 | | 779014 | 149145 | 566 | 1415 | 264 | 0.90(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:23 | -2 | 1.009 | 703094 | 130788 | 373 | 932 | 351 | | |
| 441.8008 | 52:23 | 52:23 | -2 | 1.009 | 803060 | 151664 | 566 | 1415 | 268 | 0.88(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | M |
| 427.7635 | 42:41 | 42:41 | -1 | 1.001 | 1476 | 325 | 20 | 50 | 16 | | |
| 429.7606 | 42:41 | 42:41 | -1 | 1.001 | 1612 | 324 | 11 | 27 | 29 | 0.92(0.76-1.02) | M |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:36 | 43:36 | -1 | 1.022 | 1155 | 260 | 20 | 50 | 13 | | |
| 429.7606 | 43:36 | 43:36 | -2 | 1.022 | 1300 | 278 | 11 | 27 | 25 | 0.89(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:16 | | | | | | 20 | 50 | | | |
| 429.7606 | 44:16 | | | | | | 11 | 27 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:30 | | | | | | 20 | 50 | | | |
| 429.7606 | 44:30 | | | | | | 11 | 27 | | | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:37 | 44:36 | -1 | 1.046 | 1474 | 232 | 20 | 50 | 12 | | |
| 429.7606 | 44:37 | 44:36 | -1 | 1.046 | 1857 | 373 | 11 | 27 | 34 | 0.79(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | M |
| 427.7635 | 47:25 | 47:25 | 1 | 1.112 | 5761 | 996 | 20 | 50 | 50 | | M |
| 429.7606 | 47:25 | 47:25 | 0 | 1.112 | 6662 | 1371 | 11 | 27 | 125 | 0.86(0.76-1.02) | M |
| PCB-199 (C198) | | | | | | | | | | | M |
| 427.7635 | 47:25 | 47:25 | 1 | 1.112 | 5761 | 996 | 20 | 50 | 50 | | M |
| 429.7606 | 47:25 | 47:25 | 0 | 1.112 | 6662 | 1371 | 11 | 27 | 125 | 0.86(0.76-1.02) | M |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:03 | 48:04 | -3 | 0.917 | 2807 | 515 | 20 | 50 | 26 | | |
| 429.7606 | 48:04 | 48:04 | -2 | 0.918 | 3136 | 583 | 11 | 27 | 53 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | RQM |
| 427.7635 | 48:16 | 48:16 | -1 | 0.922 | 3854 | 808 | 20 | 50 | 40 | | M |
| 429.7606 | 48:15 | 48:16 | -3 | 0.921 | 5152 | 1076 | 11 | 27 | 98 | 0.75(0.76-1.02) | |
| | Empc Correction | | | | 4330 | 907 | 11 | 27 | 82 | | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:34 | 49:35 | -2 | 0.946 | 2705 | 508 | 44 | 110 | 12 | | |
| 429.7606 | 49:35 | 49:35 | -2 | 0.947 | 3042 | 754 | 28 | 70 | 27 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:55 | 51:56 | -2 | 0.991 | 6397 | 1042 | 44 | 110 | 24 | | |
| 429.7606 | 51:55 | 51:56 | -2 | 0.991 | 7329 | 1351 | 28 | 70 | 48 | 0.87(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:24 | | | | | | 44 | 110 | | | |
| 429.7606 | 52:24 | | | | | | 28 | 70 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:20 | 49:20 | -2 | 0.950 | 607078 | 117604 | 596 | 1490 | 197 | | |
| 475.7619 | 49:20 | 49:20 | -2 | 0.950 | 779029 | 155527 | 593 | 1482 | 262 | 0.78(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:08 | 54:08 | -2 | 1.043 | 461251 | 89103 | 596 | 1490 | 150 | | |
| 475.7619 | 54:09 | 54:08 | -1 | 1.043 | 562377 | 108124 | 593 | 1482 | 182 | 0.82(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:20 | | | | | | 68 | 170 | | | |
| 463.7216 | 49:20 | | | | | | 61 | 152 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:17 | | | | | | 68 | 170 | | | |
| 463.7216 | 50:17 | | | | | | 61 | 152 | | | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:04 | 54:04 | -7 | 0.999 | 56690 | 6769 | 68 | 170 | 100 | | M |
| | Empc Correction | | | | 20594 | 2670 | 68 | 170 | 39 | | |
| 463.7216 | 54:06 | 54:04 | -5 | 0.999 | 26746 | 3468 | 61 | 152 | 57 | 2.12(0.65-0.89) | M |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:47 | 55:47 | -2 | 1.075 | 455524 | 85977 | 127 | 317 | 677 | | |
| 509.7229 | 55:47 | 55:47 | -2 | 1.075 | 680402 | 121034 | 162 | 405 | 747 | 0.67(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | M |
| 495.6856 | 55:48 | 55:48 | -2 | 1.000 | 15442 | 2981 | 27 | 67 | 110 | | |
| 497.6826 | 55:50 | 55:48 | 0 | 1.001 | 20122 | 3158 | 30 | 75 | 105 | 0.77(0.59-0.79) | M |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

U - Marked Undetected

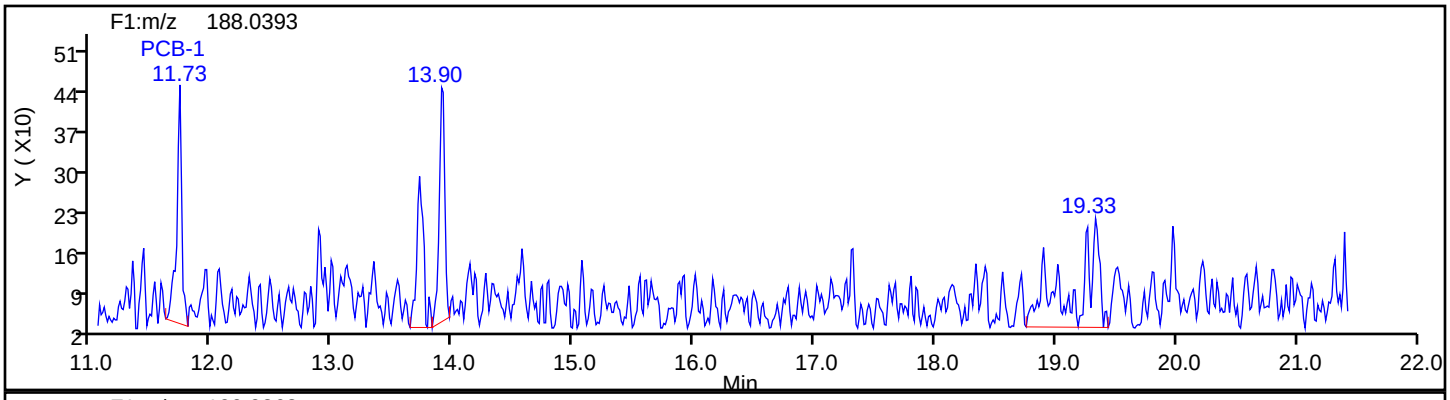
a - User Assigned ID

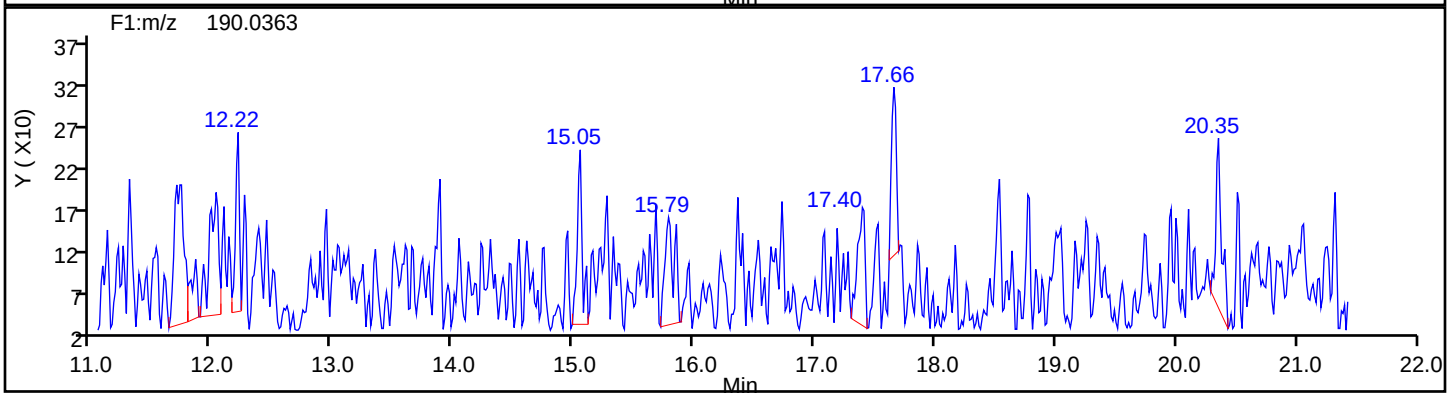
Report Date: 10-Oct-2019 10:52:39 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

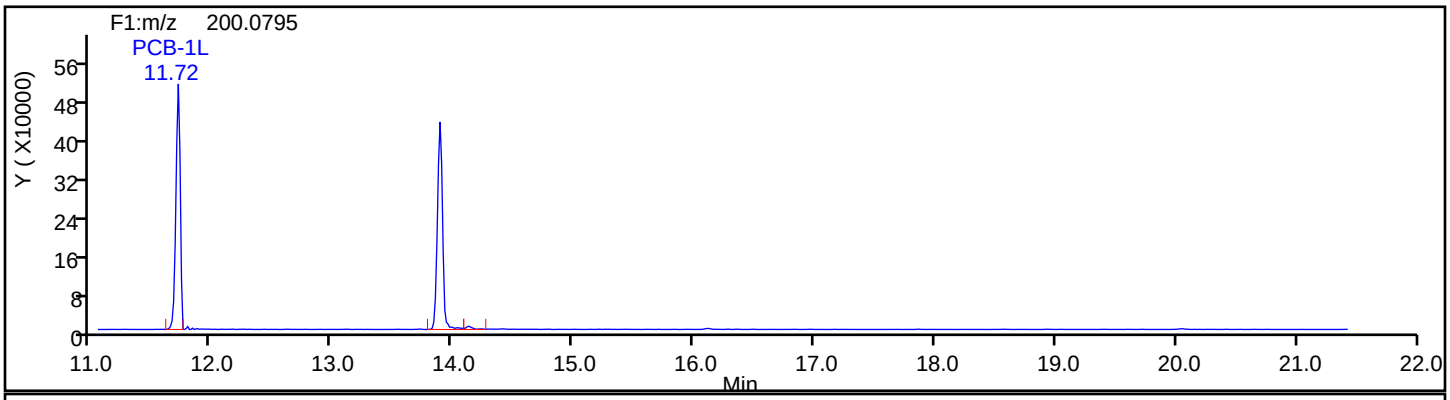
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

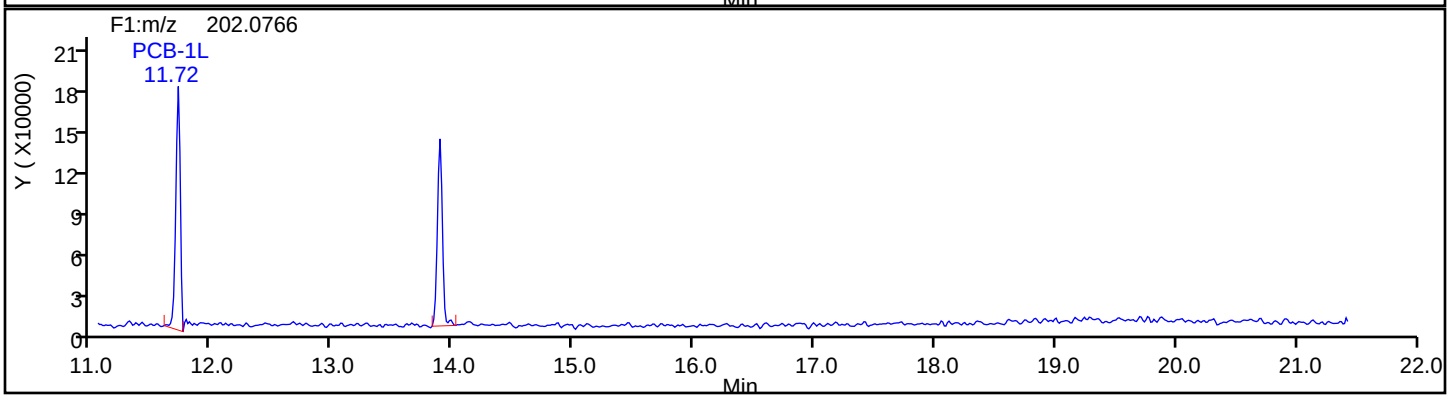
MoPCB F1




MoPCB F1 Standards

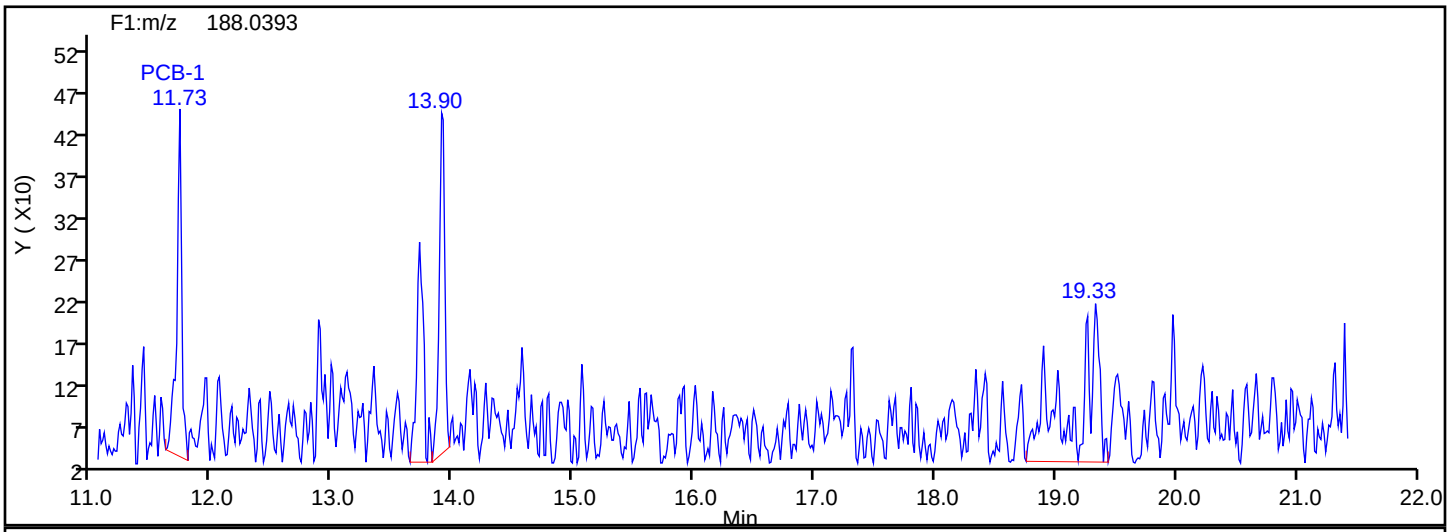


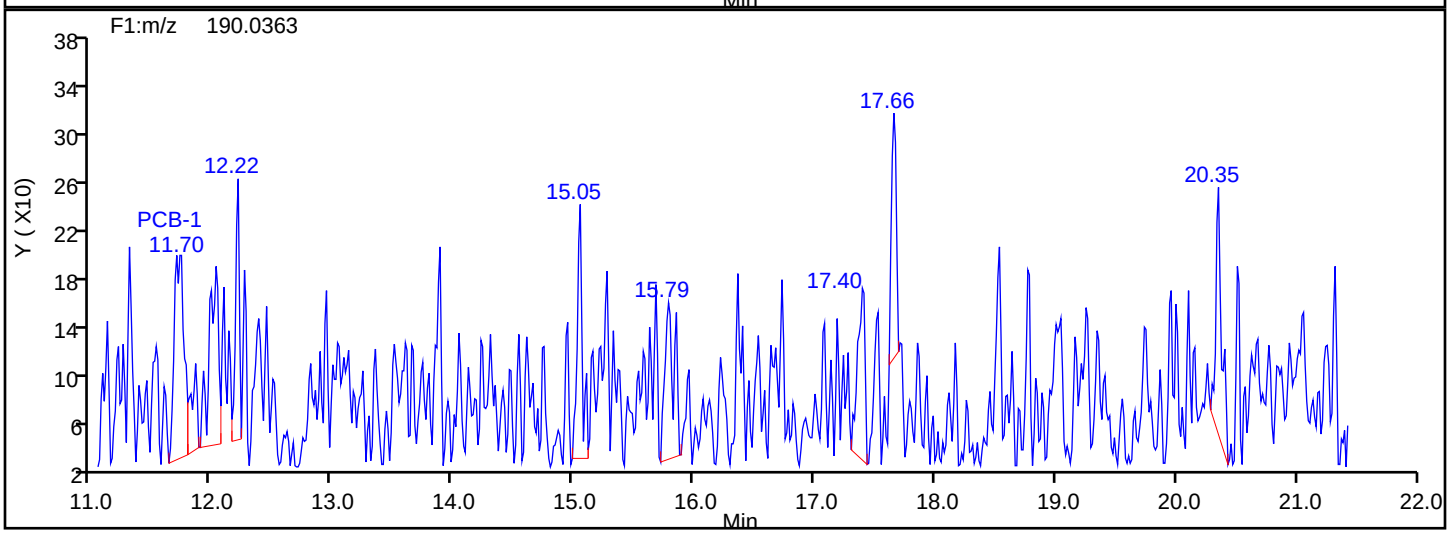



Eurofins TestAmerica, Knoxville

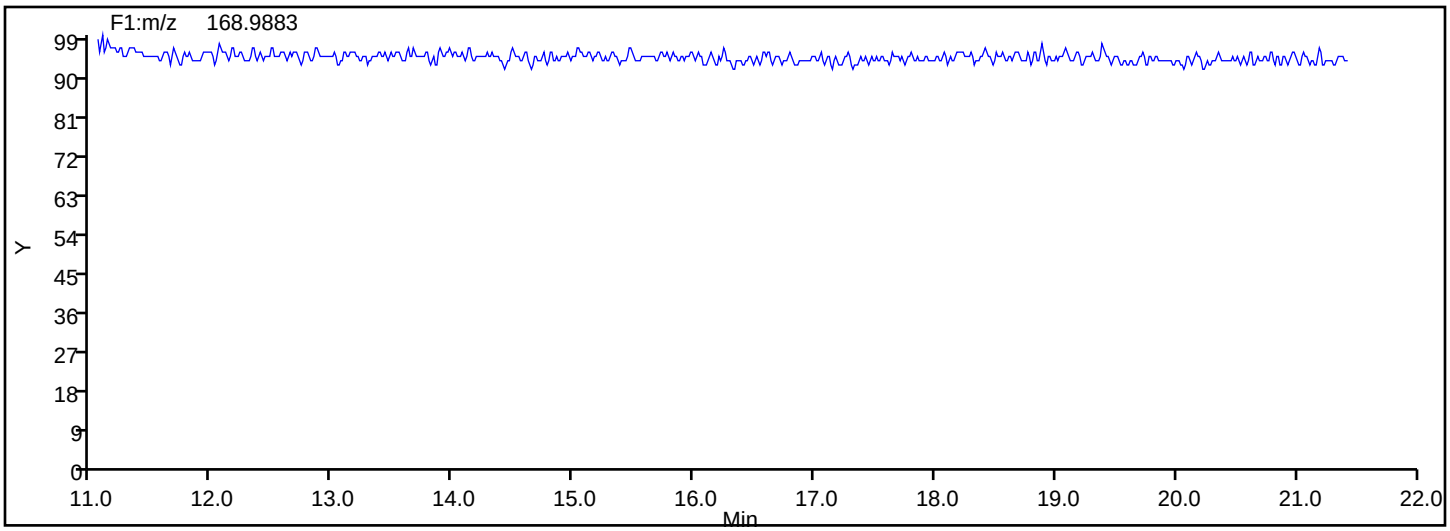
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

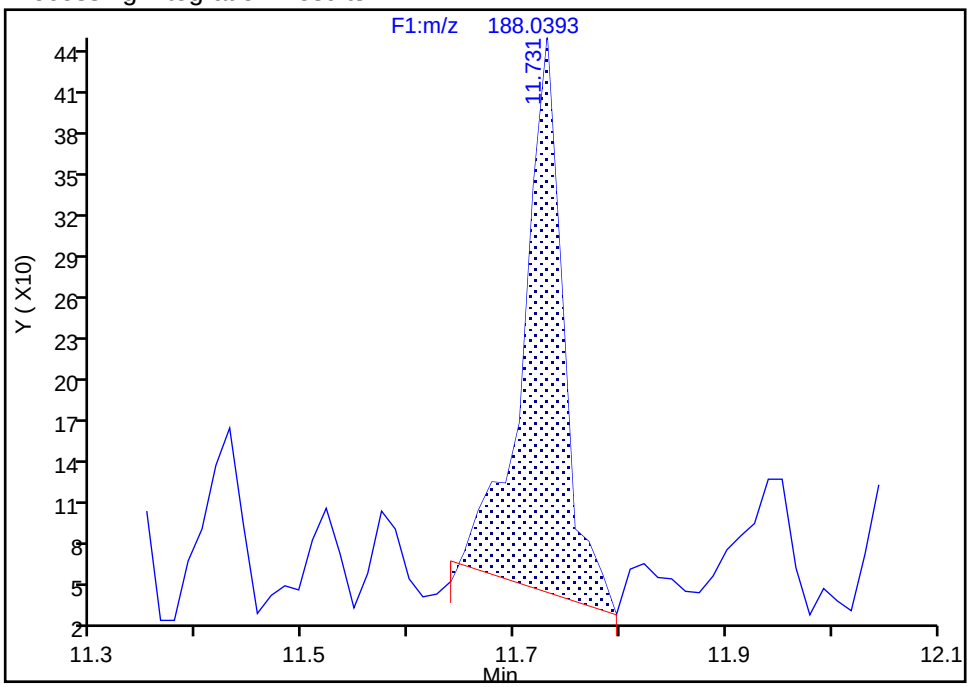
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

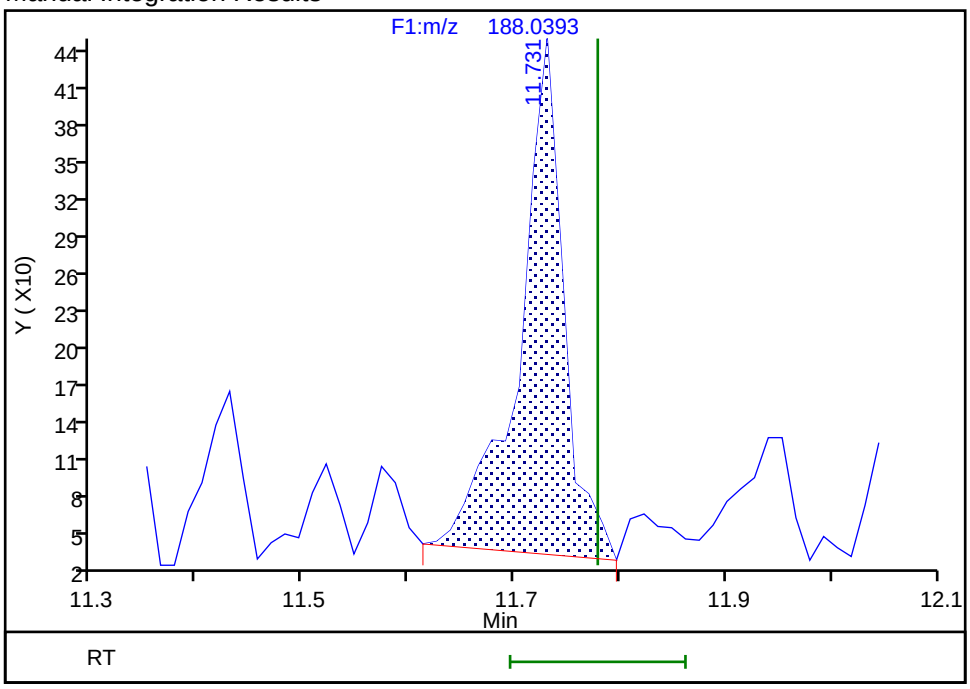
Processing Integration Results

RT: 11.73
Area: 1056
Amount: 0.077597
Amount Units: pg/ul




Manual Integration Results

RT: 11.73
Area: 1194
Amount: 0.103207
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:40:58

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

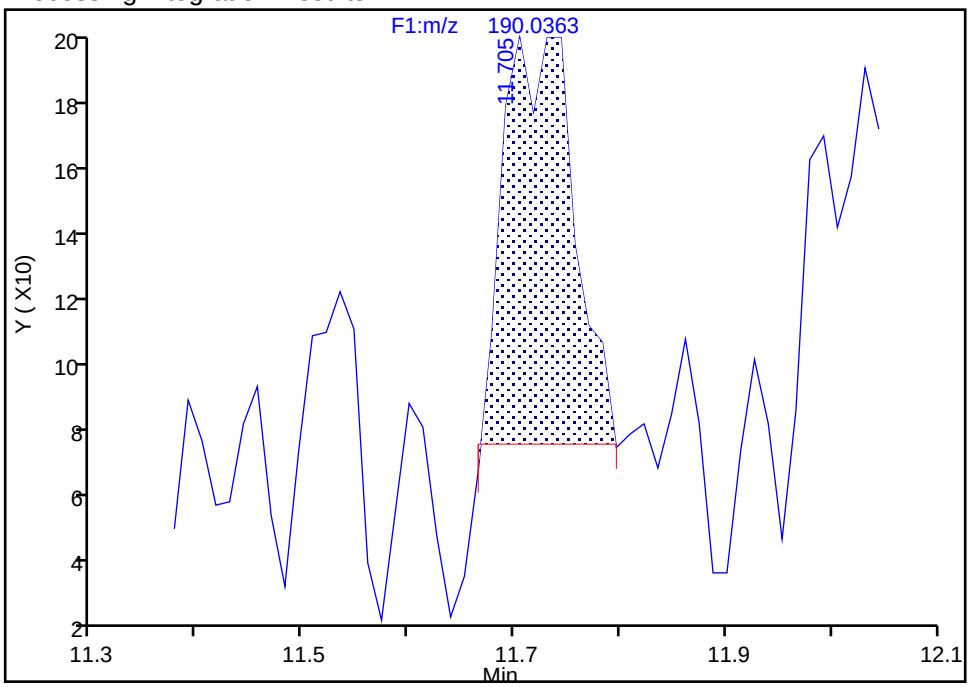
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 2

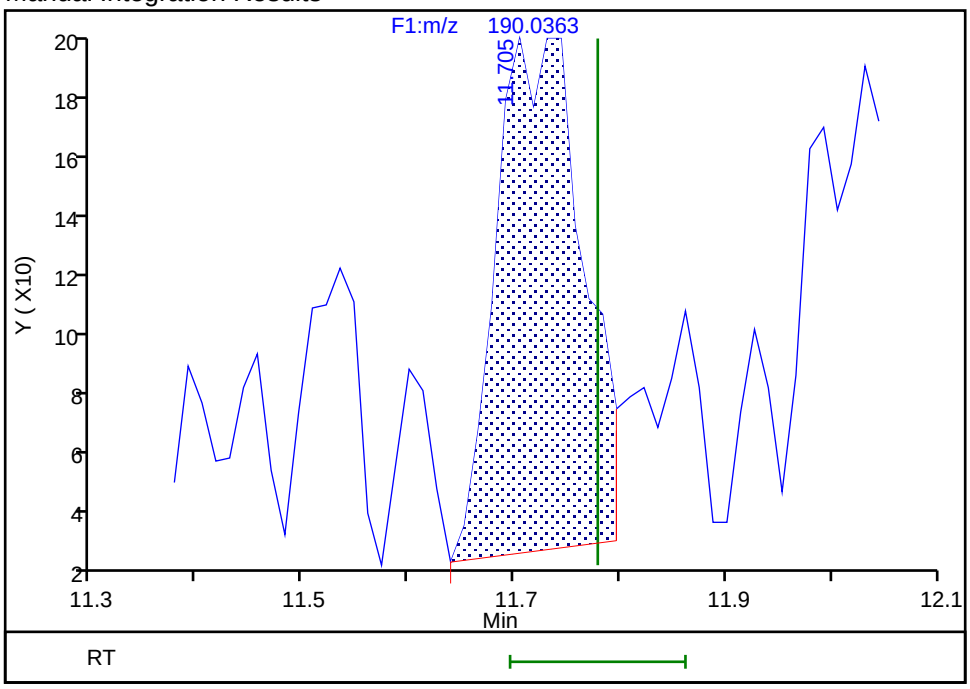
Processing Integration Results

RT: 11.70
Area: 556
Amount: 0.077597
Amount Units: pg/ul




Manual Integration Results

RT: 11.70
Area: 950
Amount: 0.103207
Amount Units: pg/ul



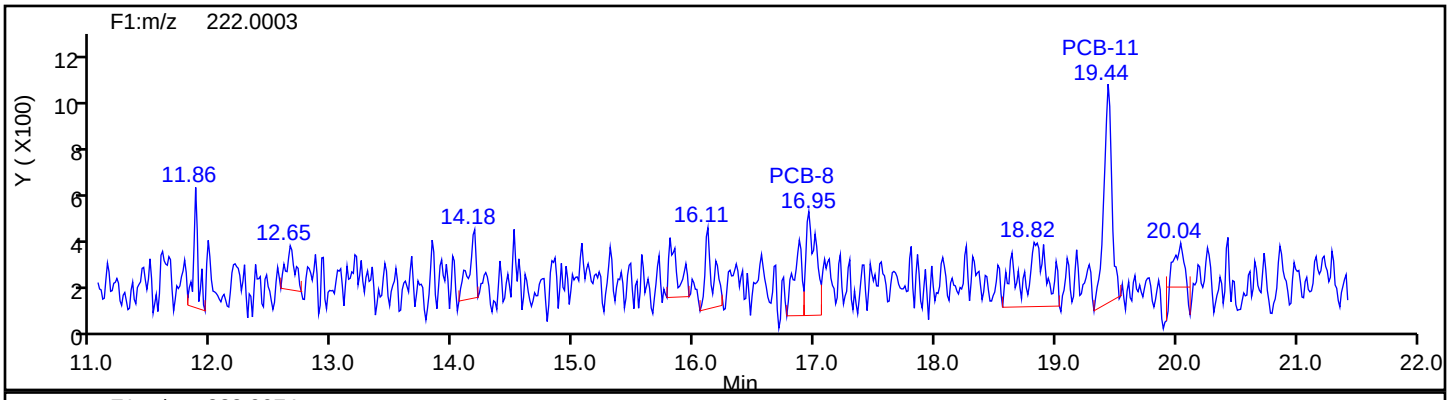

Reviewer: davidsonm, 10-Oct-2019 10:41:20

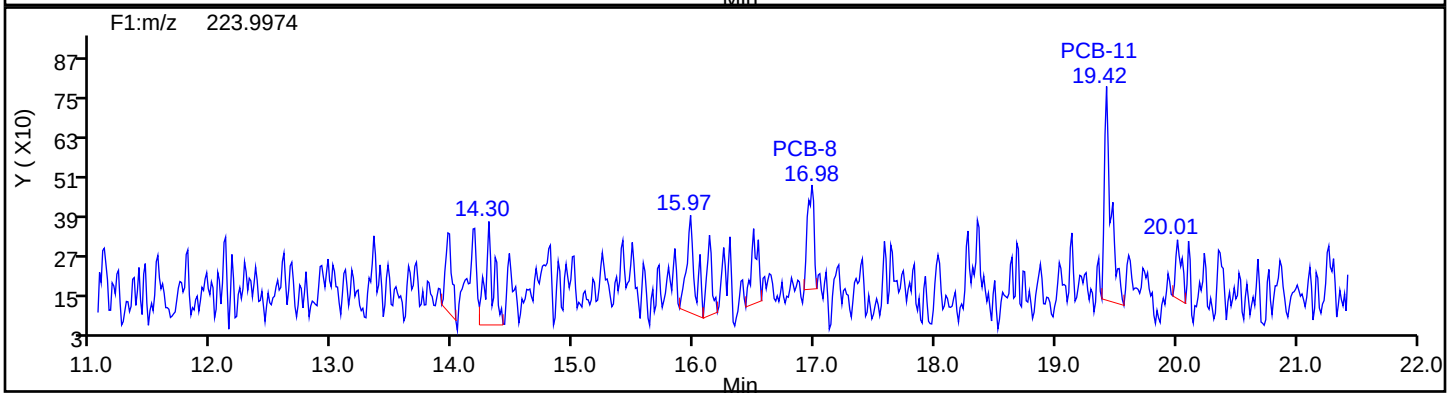
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

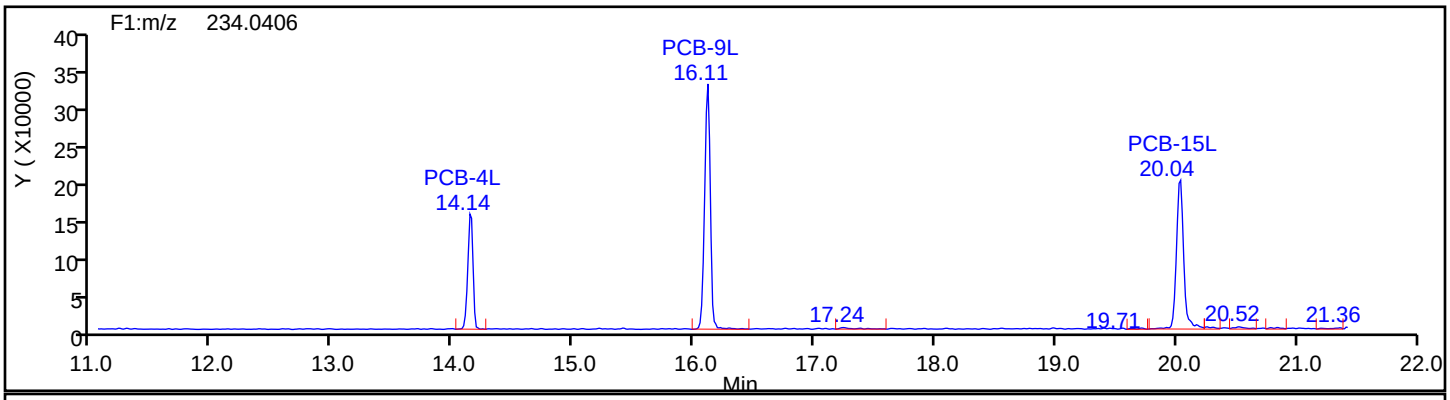
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

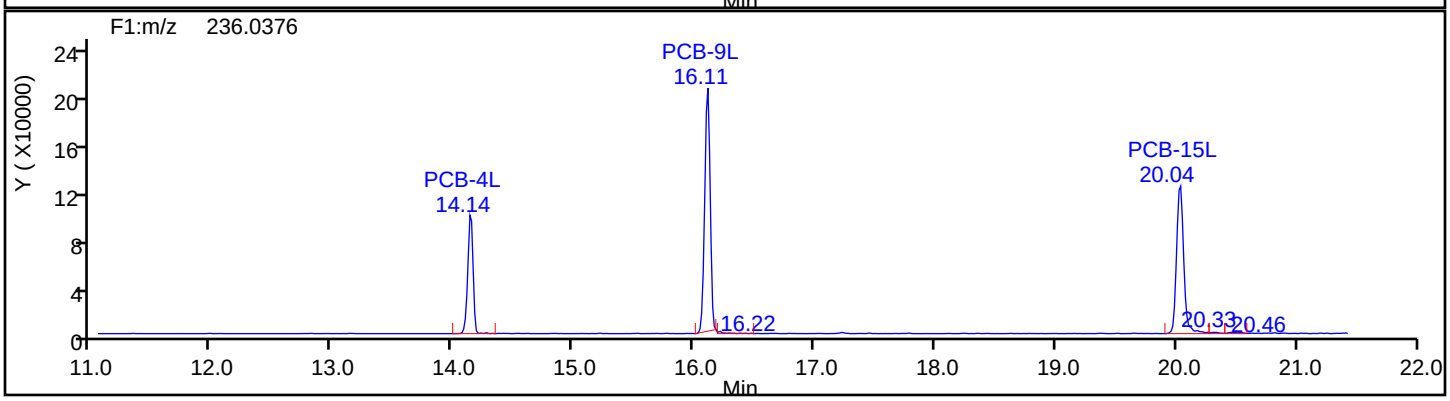
DiPCB F1




DiPCB F1 Standards

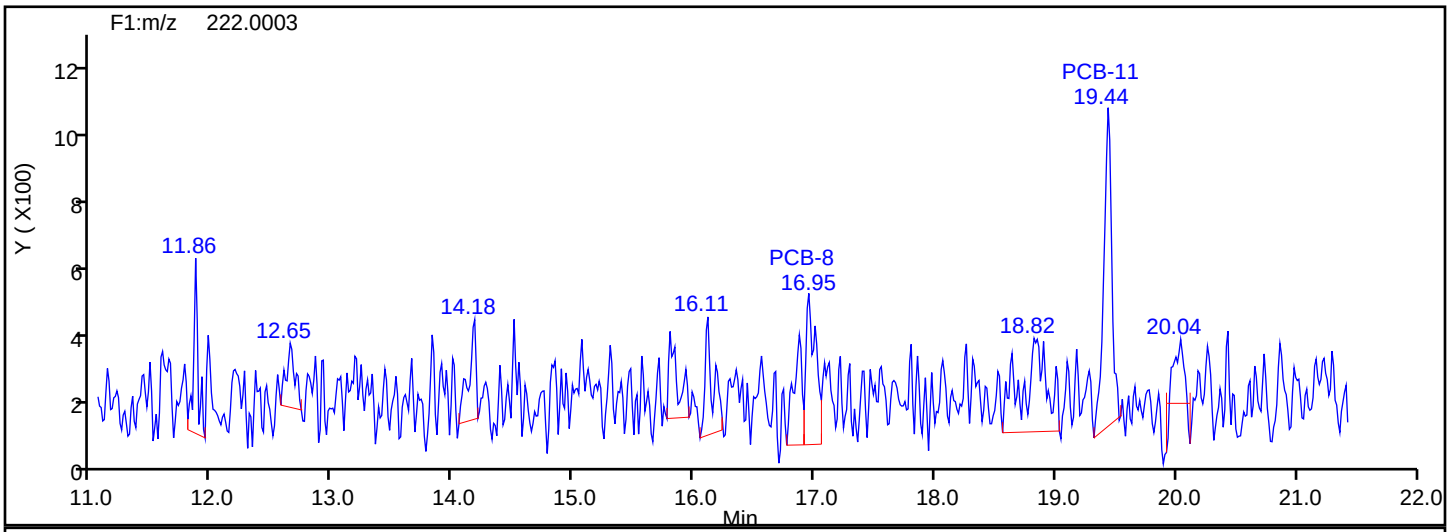


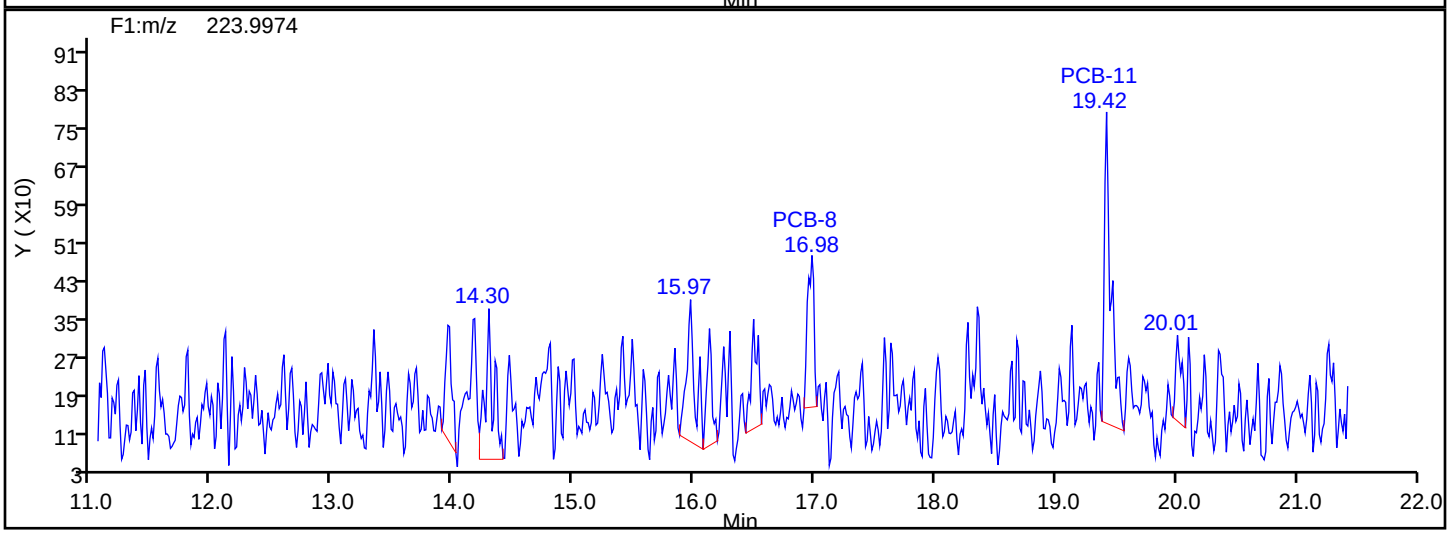



Eurofins TestAmerica, Knoxville

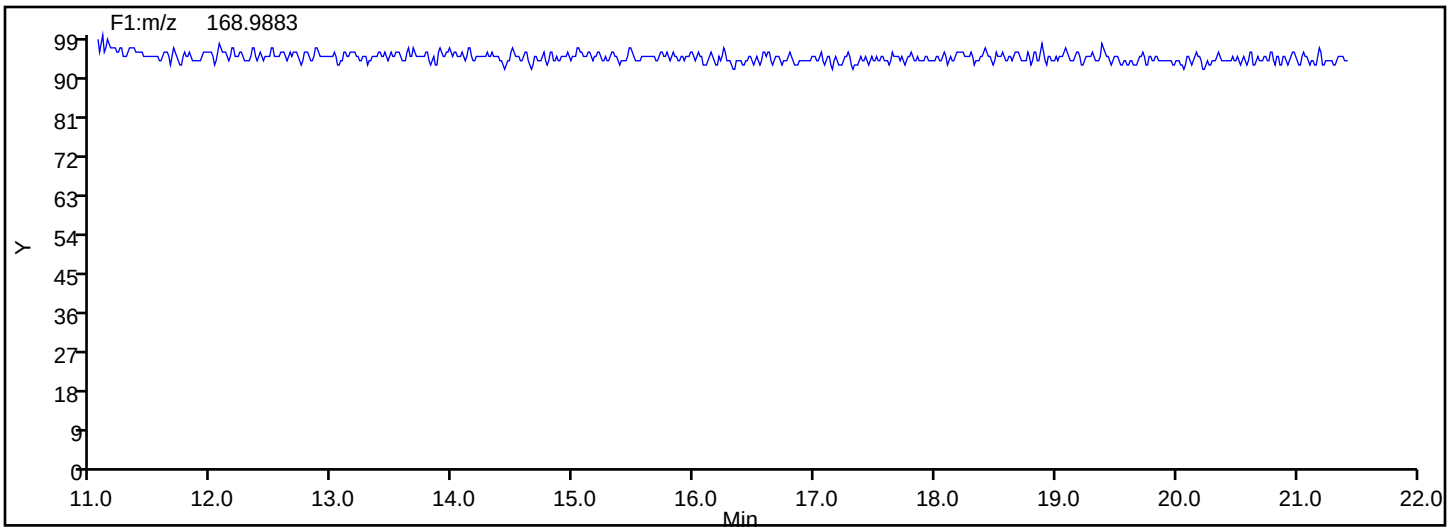
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

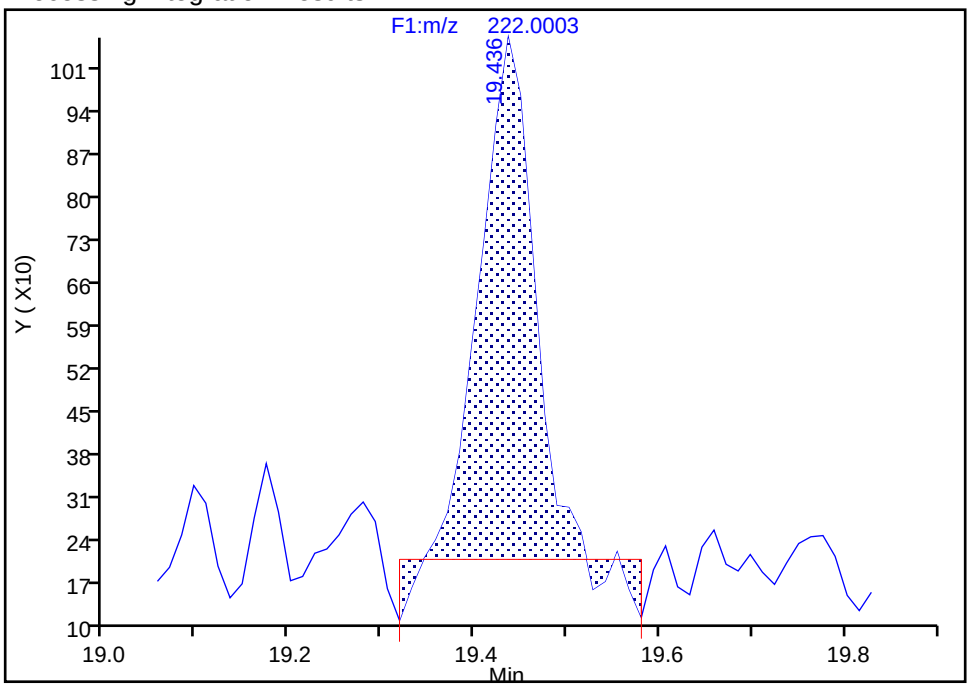
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

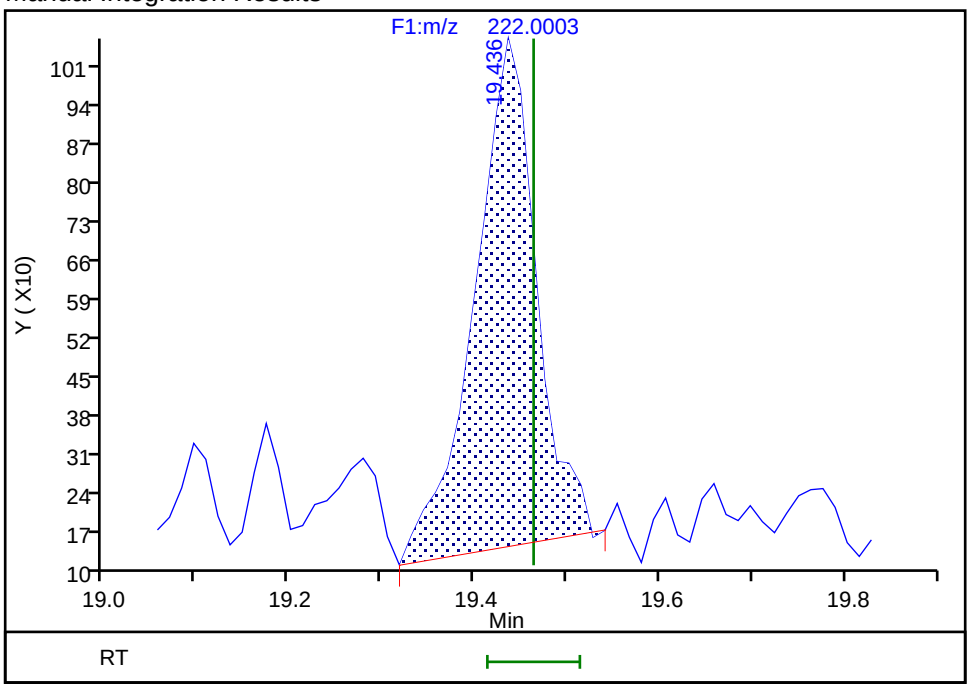
Processing Integration Results

RT: 19.44
Area: 3278
Amount: 0.342941
Amount Units: pg/ul




Manual Integration Results

RT: 19.44
Area: 4265
Amount: 0.390193
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:42:22

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

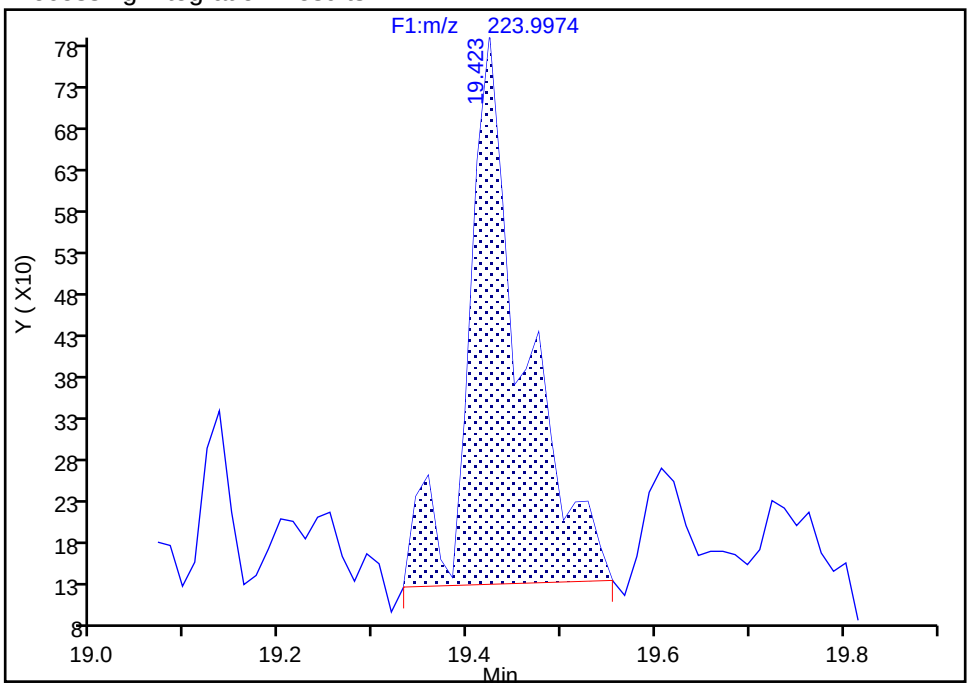
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

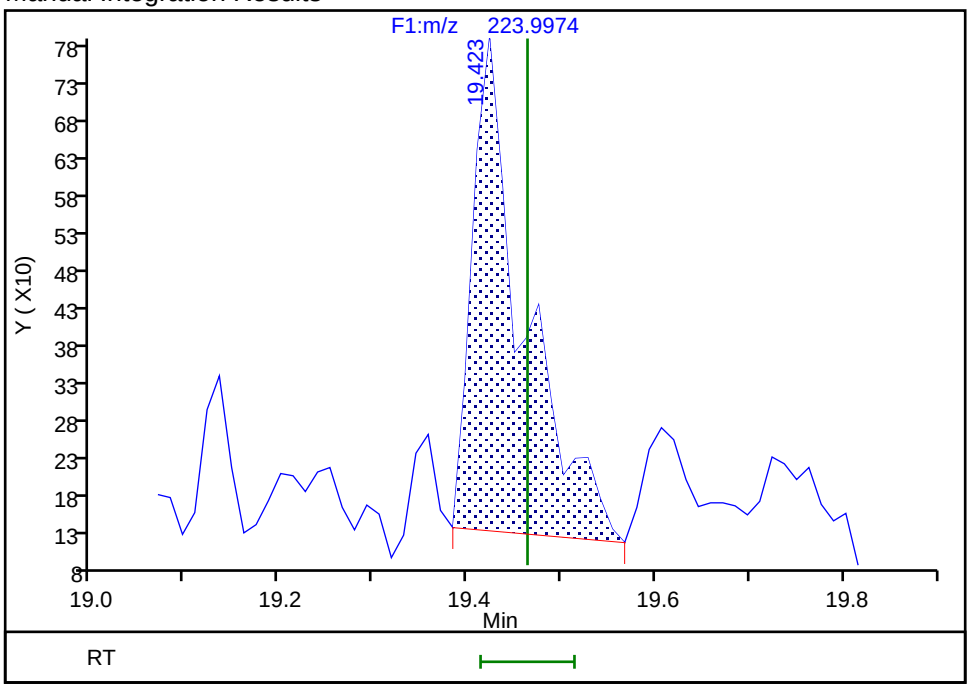
Processing Integration Results

RT: 19.42
Area: 2666
Amount: 0.342941
Amount Units: pg/ul




Manual Integration Results

RT: 19.42
Area: 2498
Amount: 0.390193
Amount Units: pg/ul



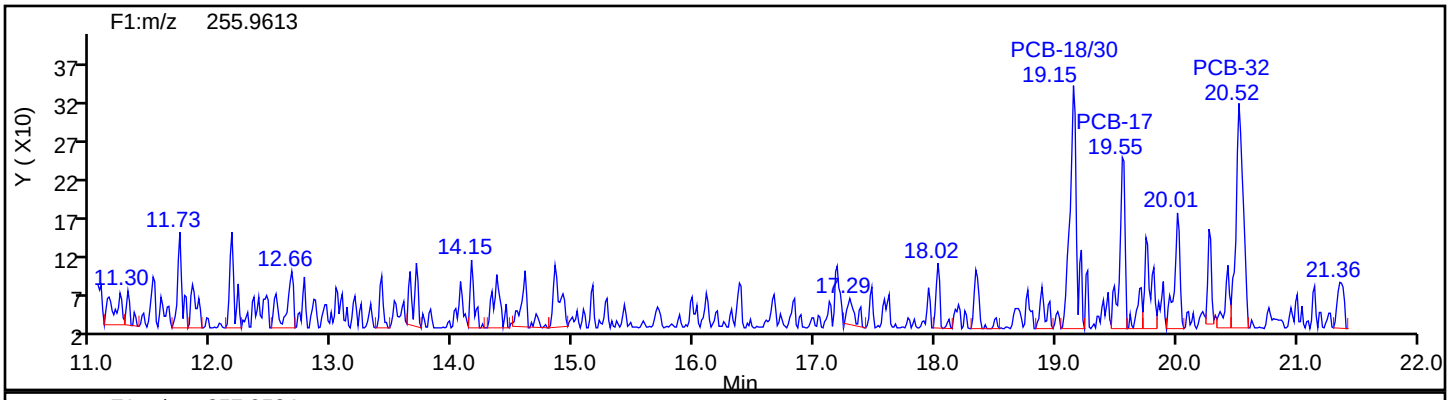

Reviewer: davidsonm, 10-Oct-2019 10:42:27

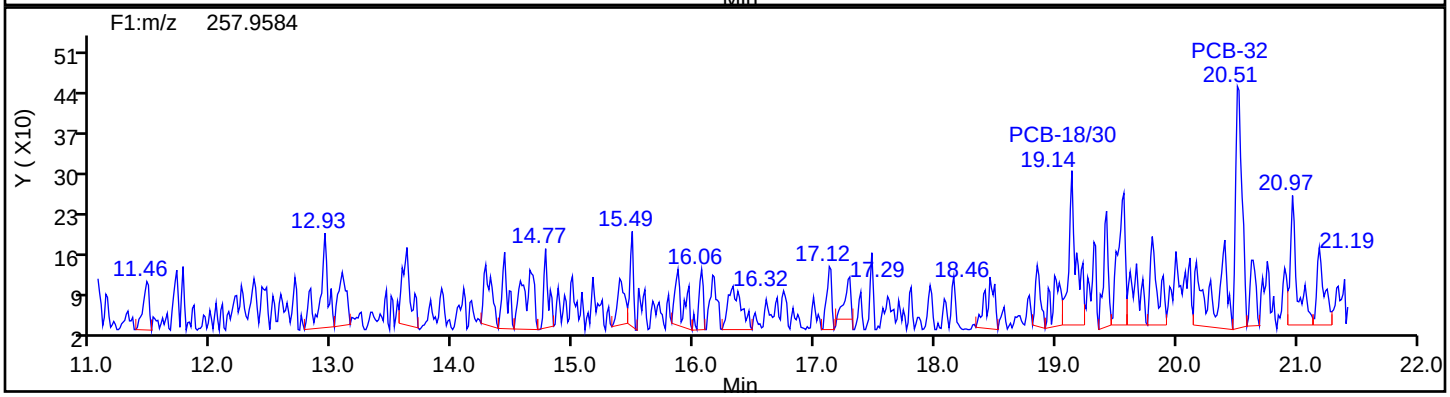
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

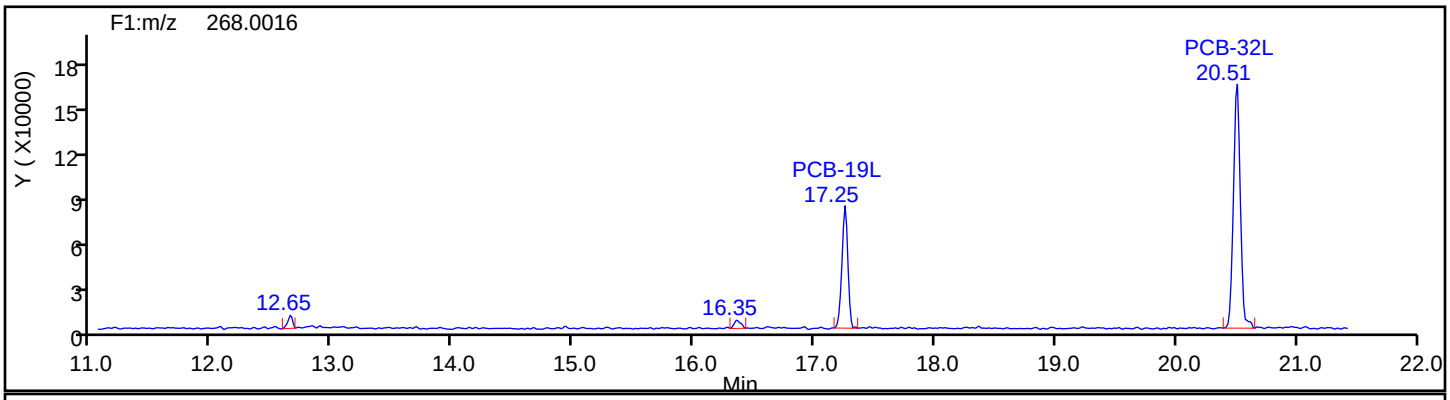
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

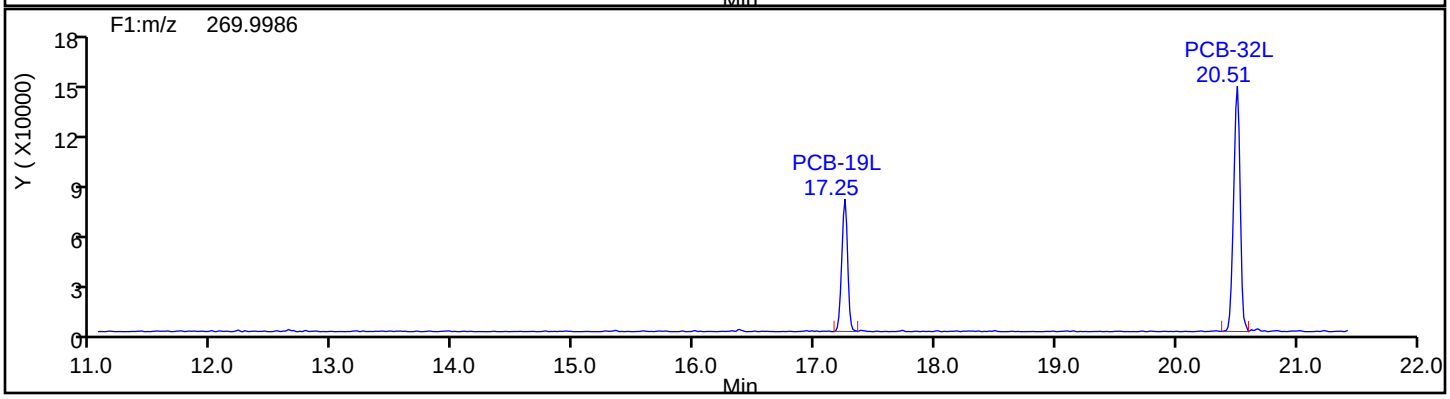
TriPCB F1




TriPCB F1 Standards

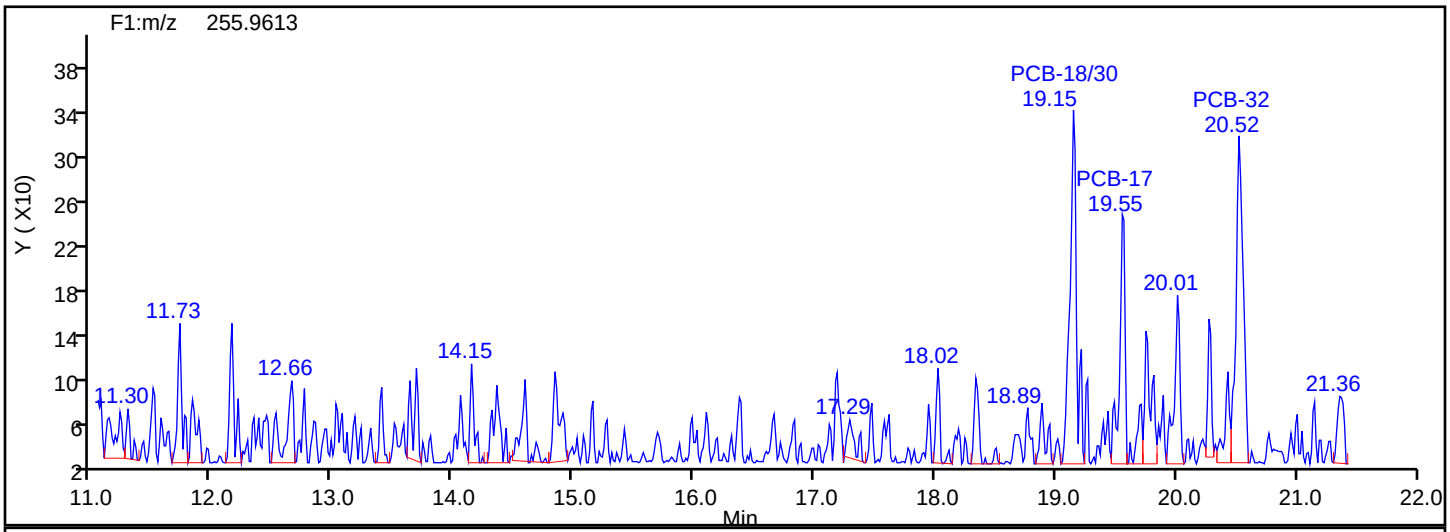


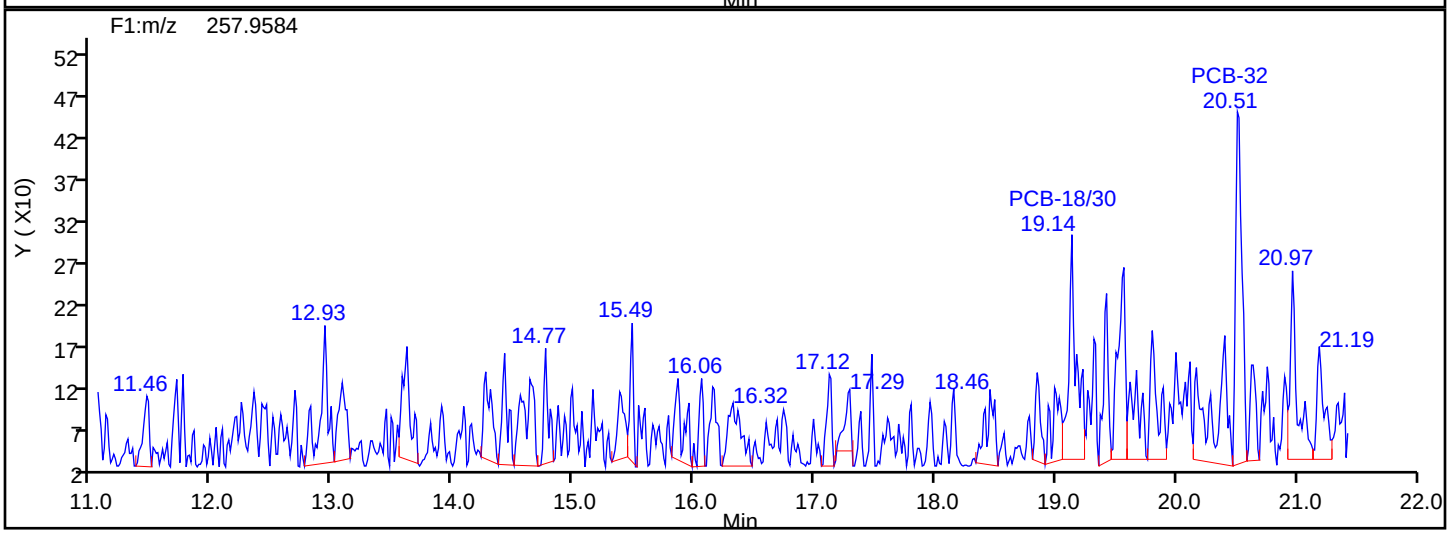



Eurofins TestAmerica, Knoxville

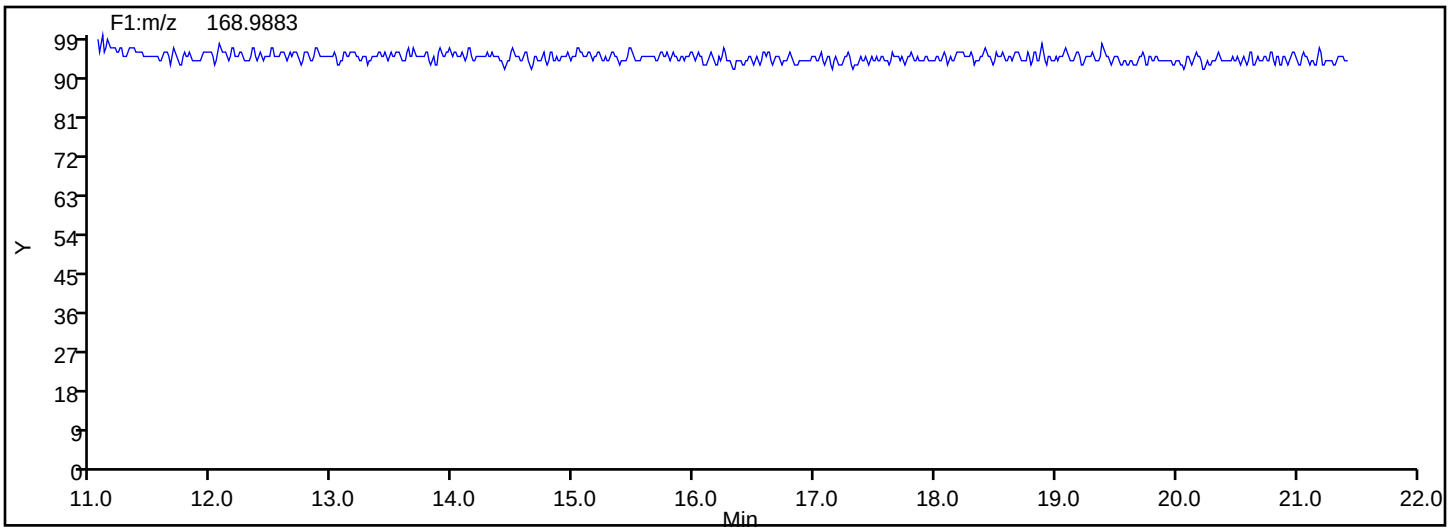
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

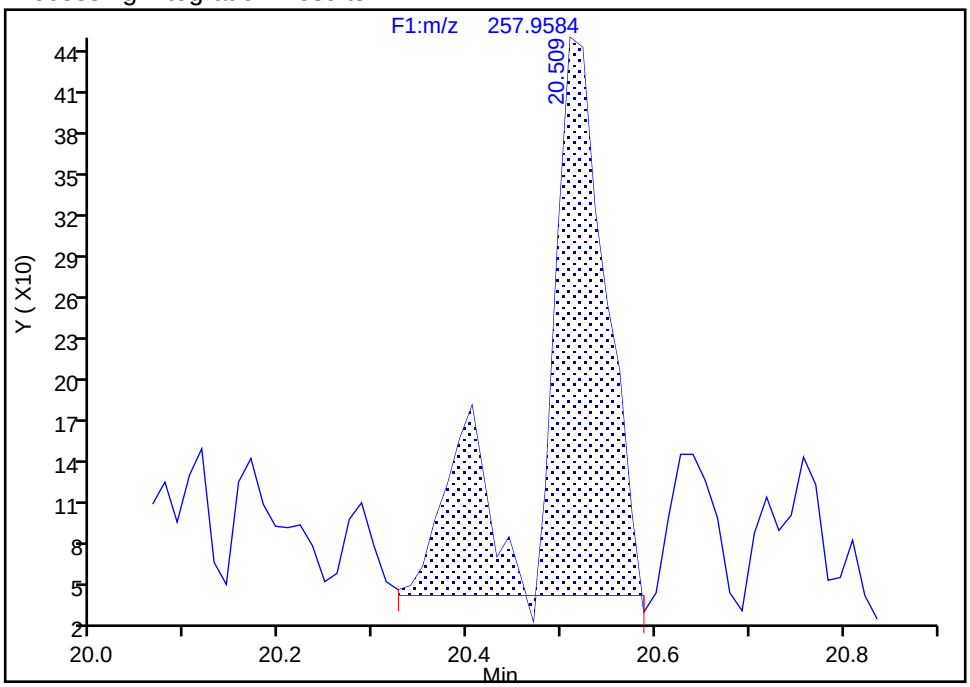
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 2

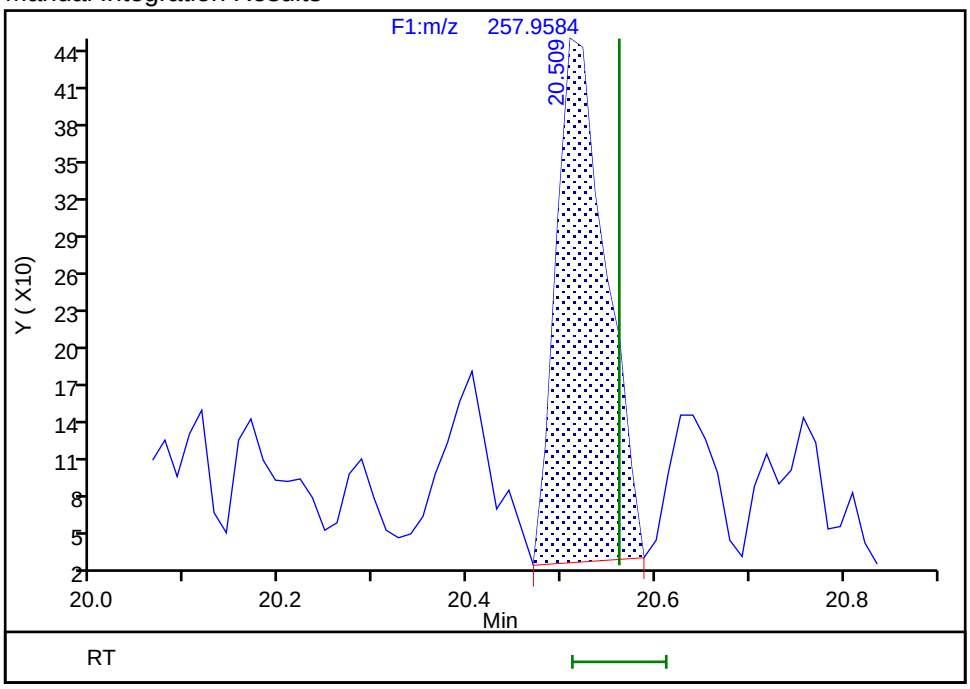
Processing Integration Results

RT: 20.51
Area: 1887
Amount: 0.265005
Amount Units: pg/ul




Manual Integration Results

RT: 20.51
Area: 1546
Amount: 0.219439
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:43:12

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

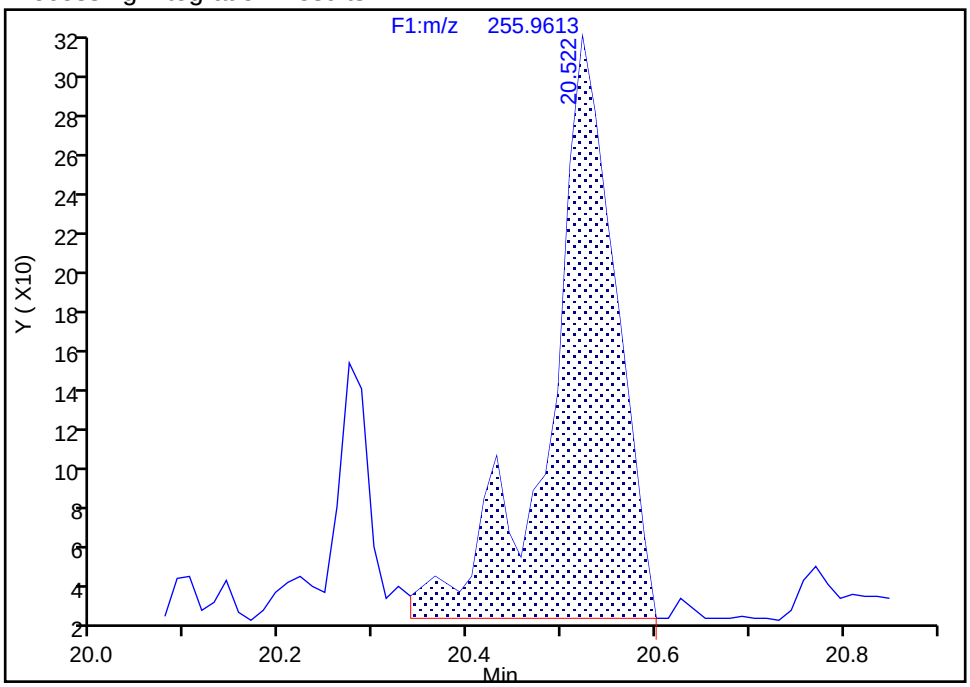
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

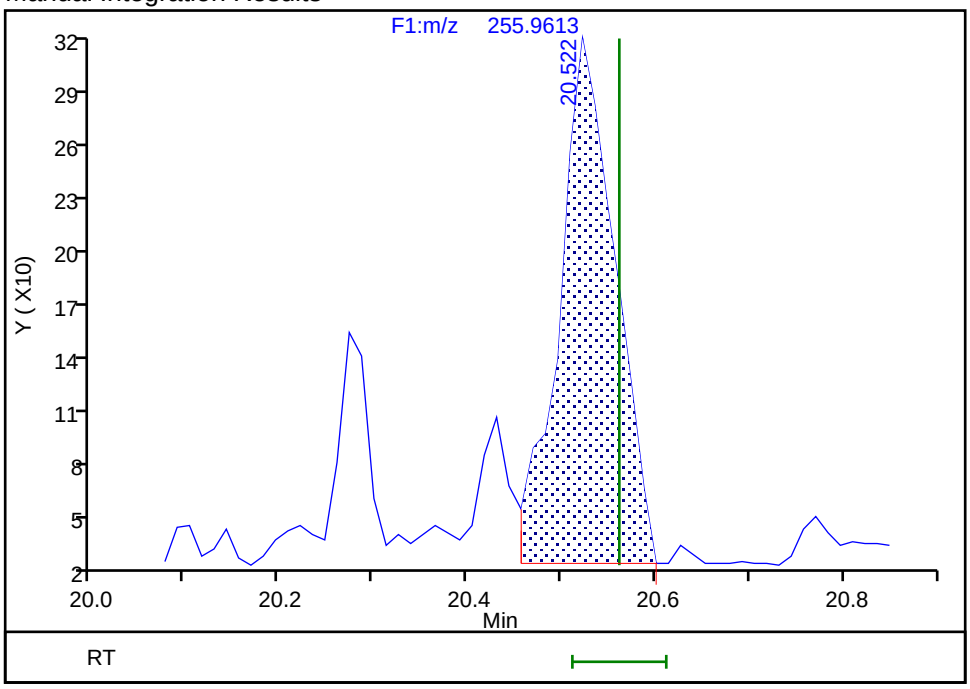
Processing Integration Results

RT: 20.52
Area: 1428
Amount: 0.265005
Amount Units: pg/ul




Manual Integration Results

RT: 20.52
Area: 1199
Amount: 0.219439
Amount Units: pg/ul



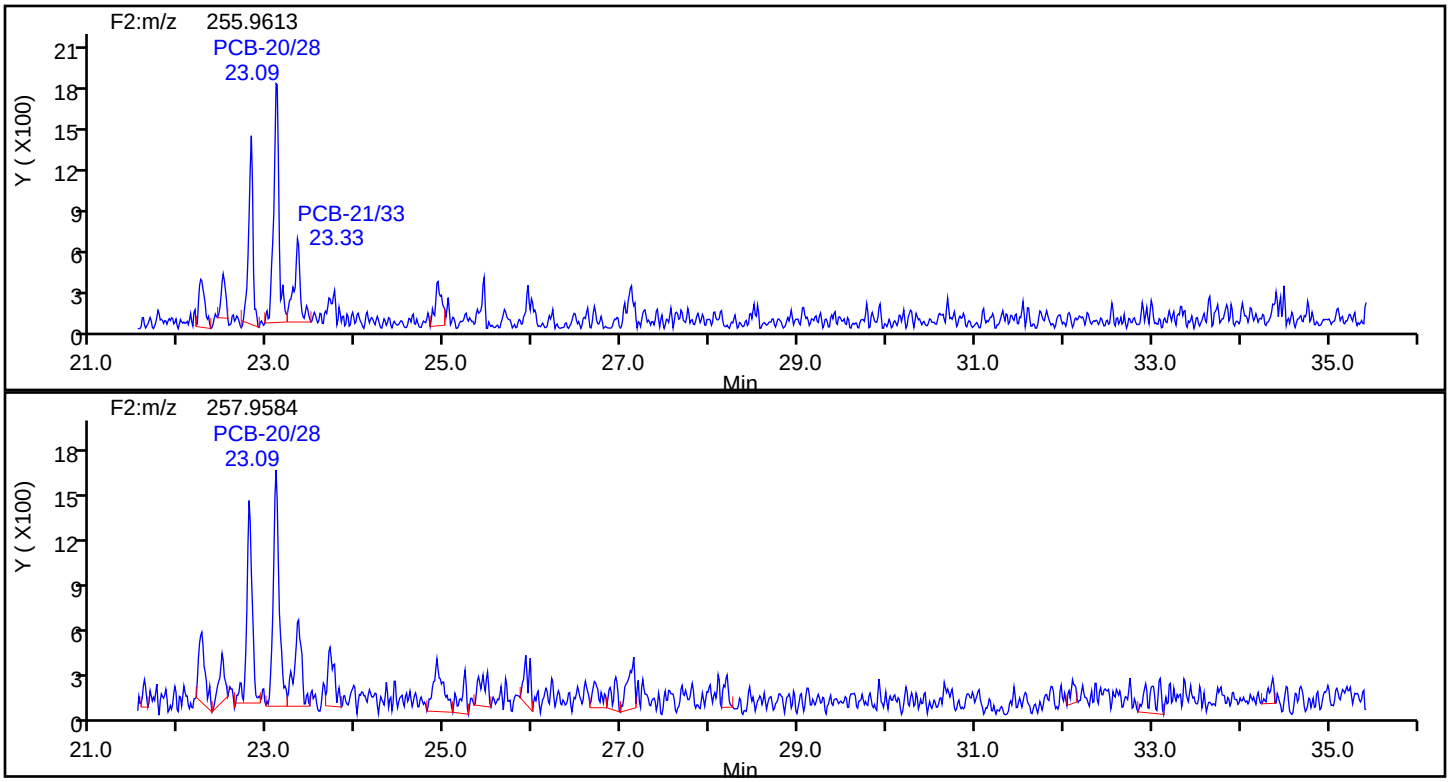

Reviewer: davidsonm, 10-Oct-2019 10:43:21

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

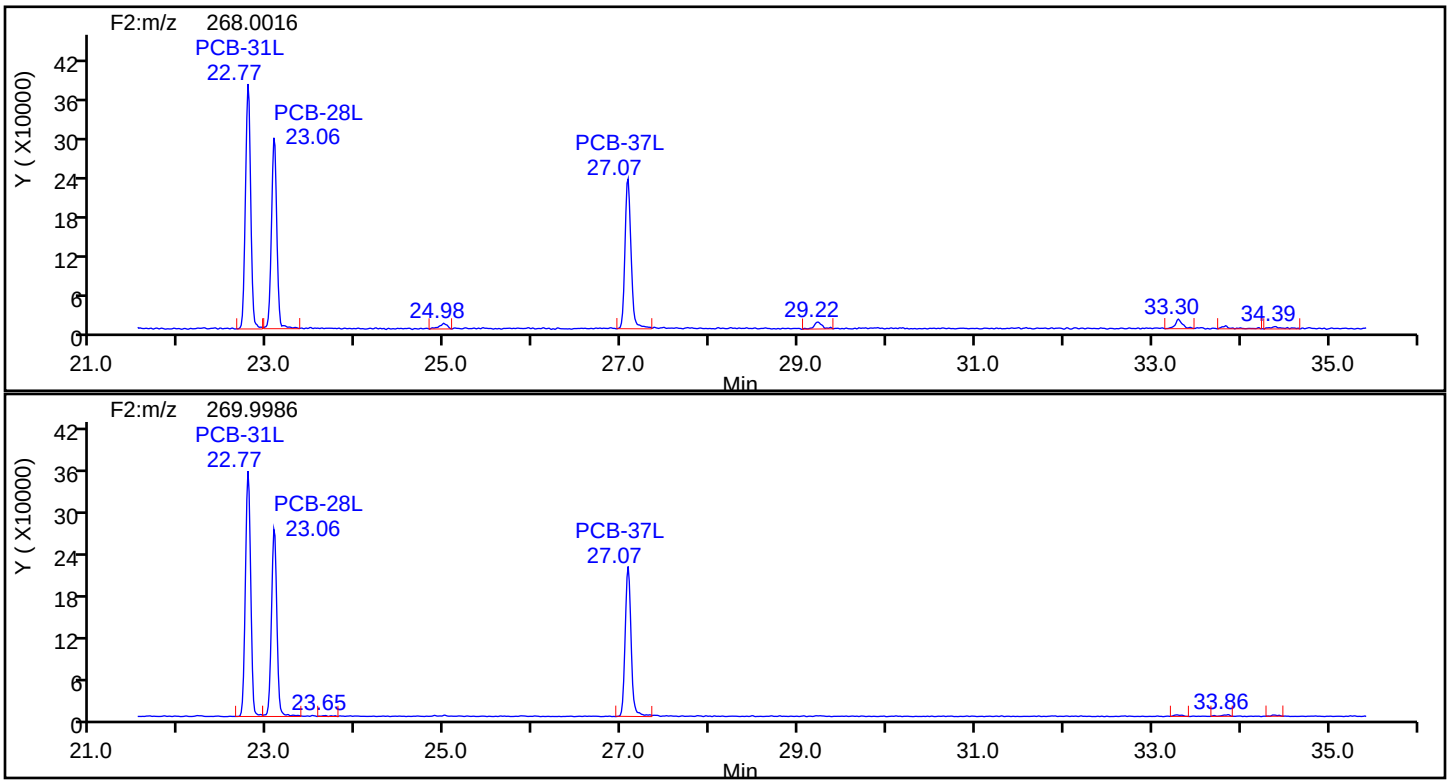
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



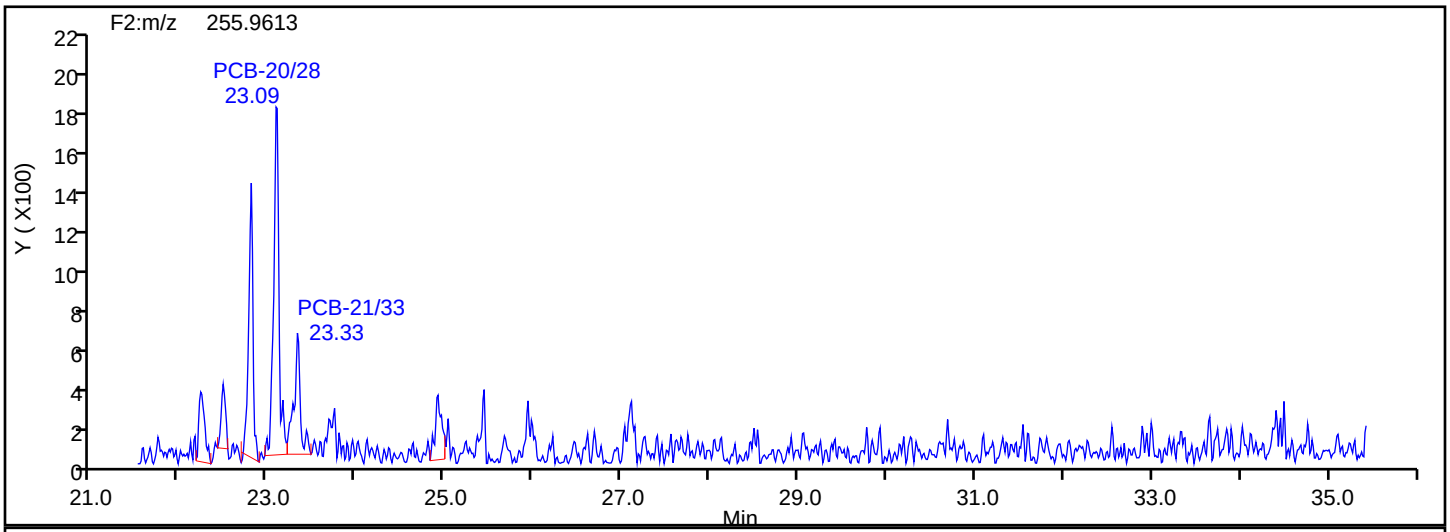

TriPCB F2 Standards

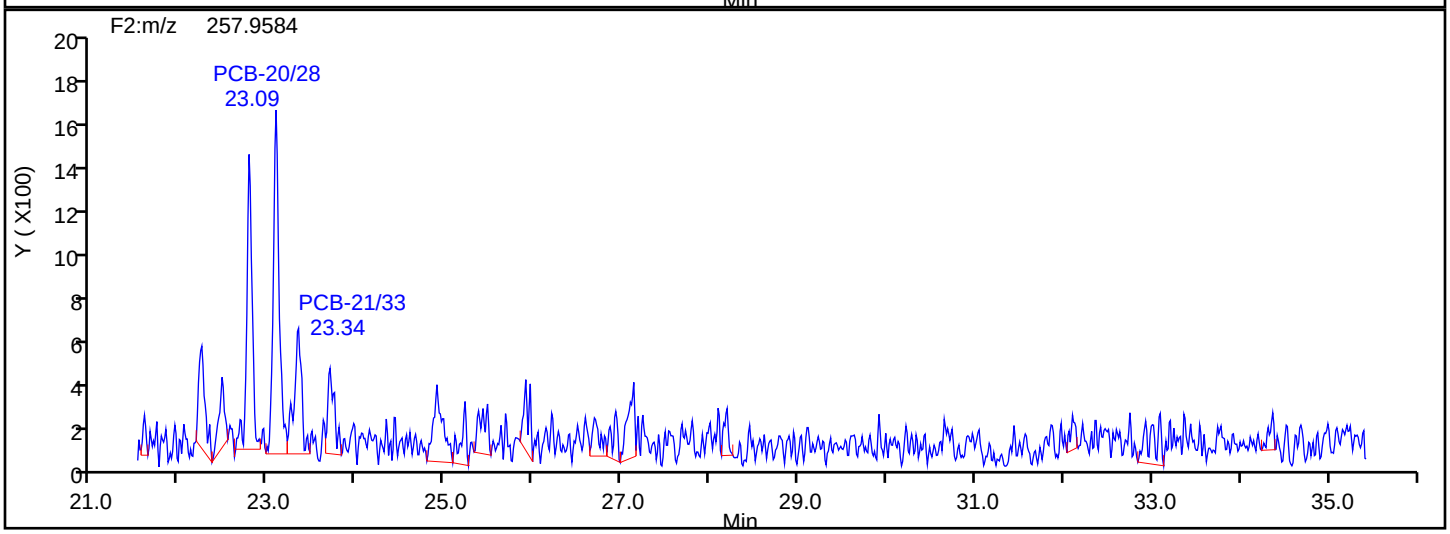


Eurofins TestAmerica, Knoxville

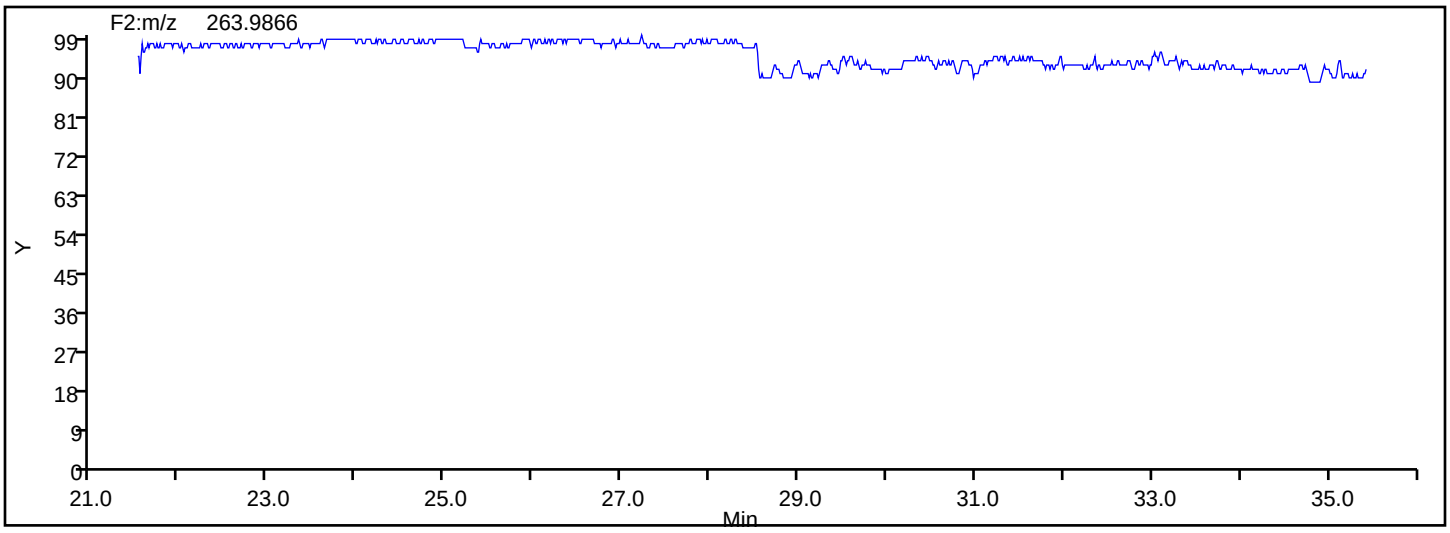
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



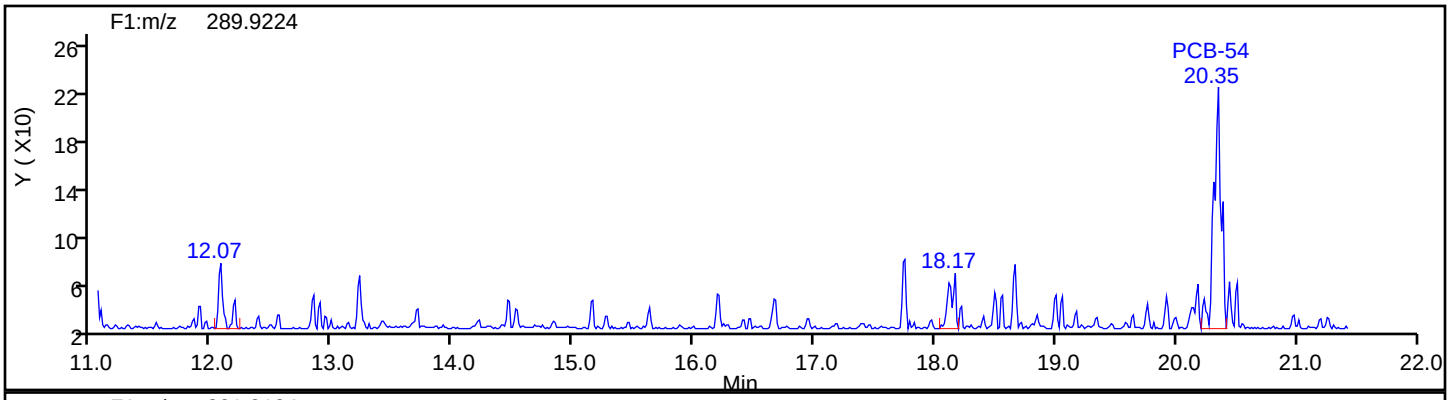

TriPCB F2 Lock Mass

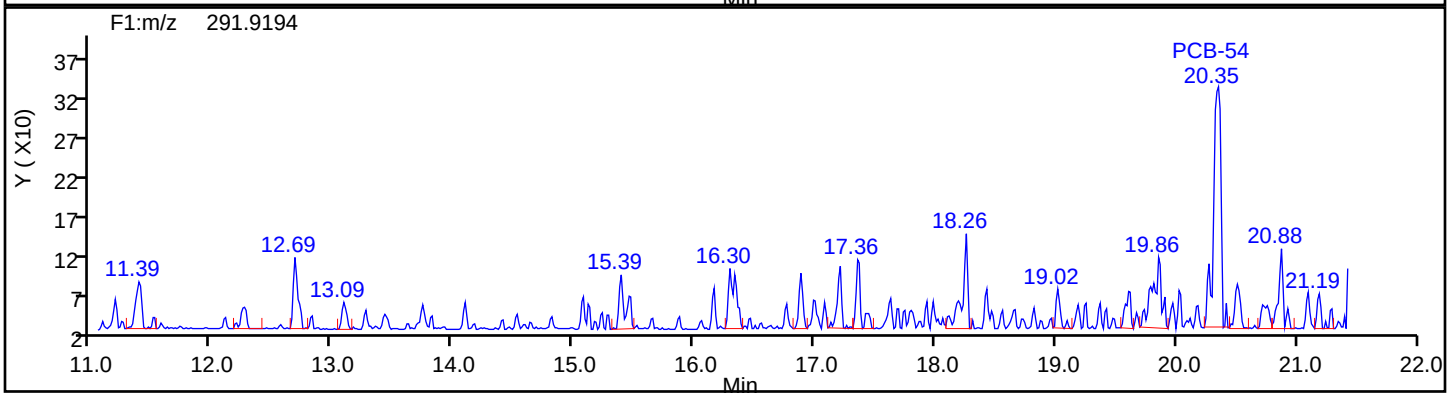


Eurofins TestAmerica, Knoxville

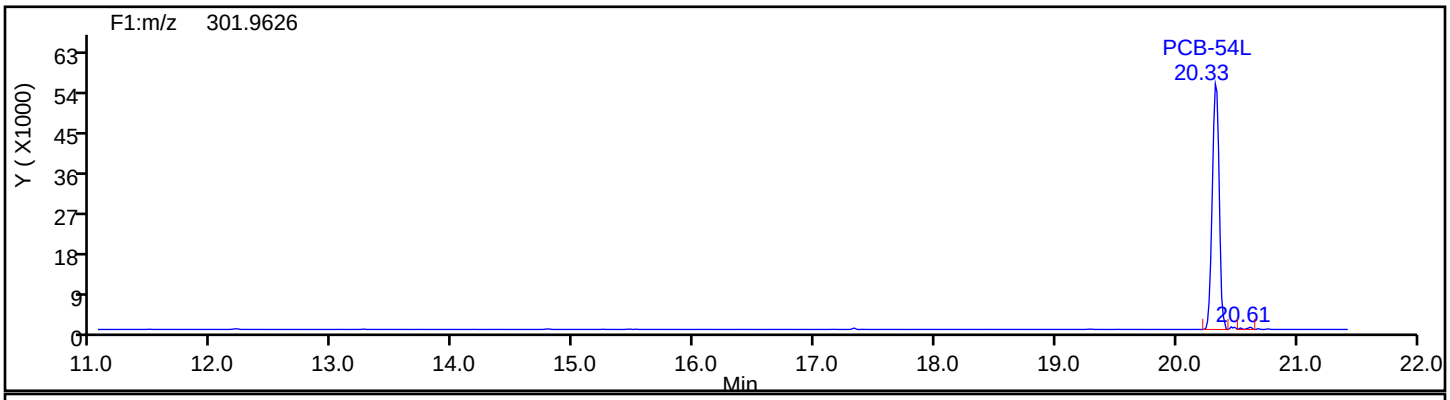
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

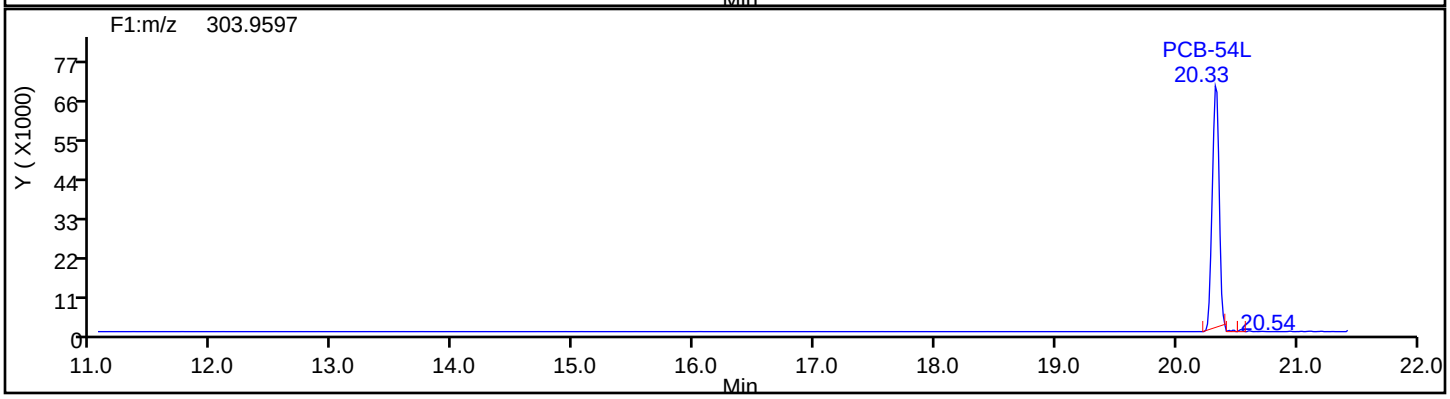
TePCB F1




TePCB F1 Standards

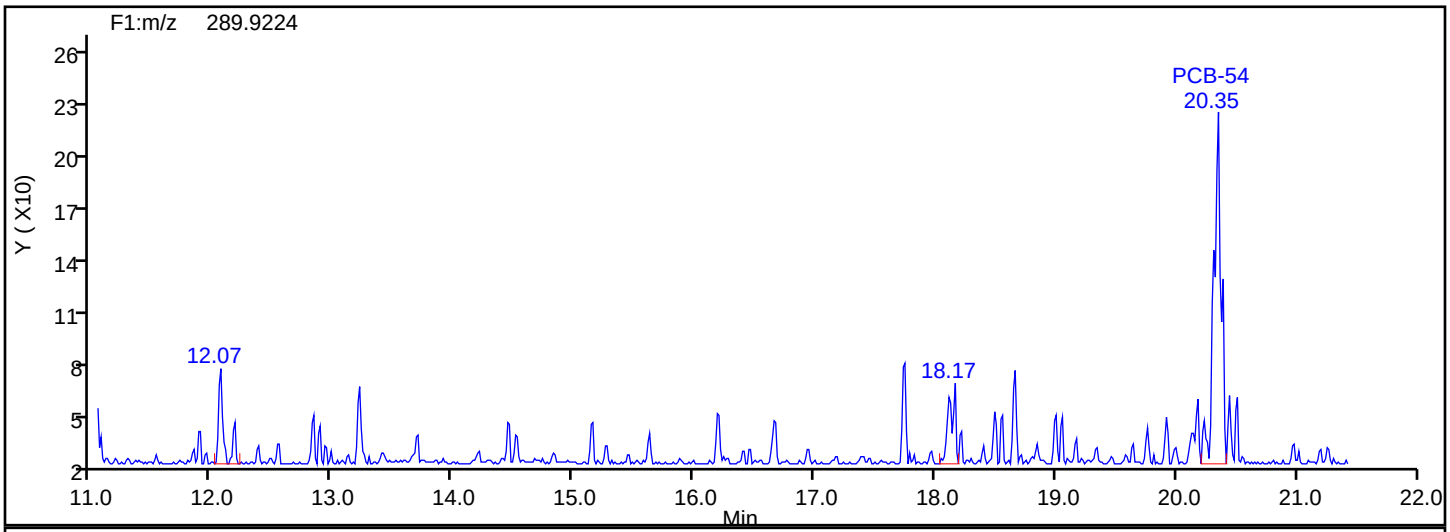


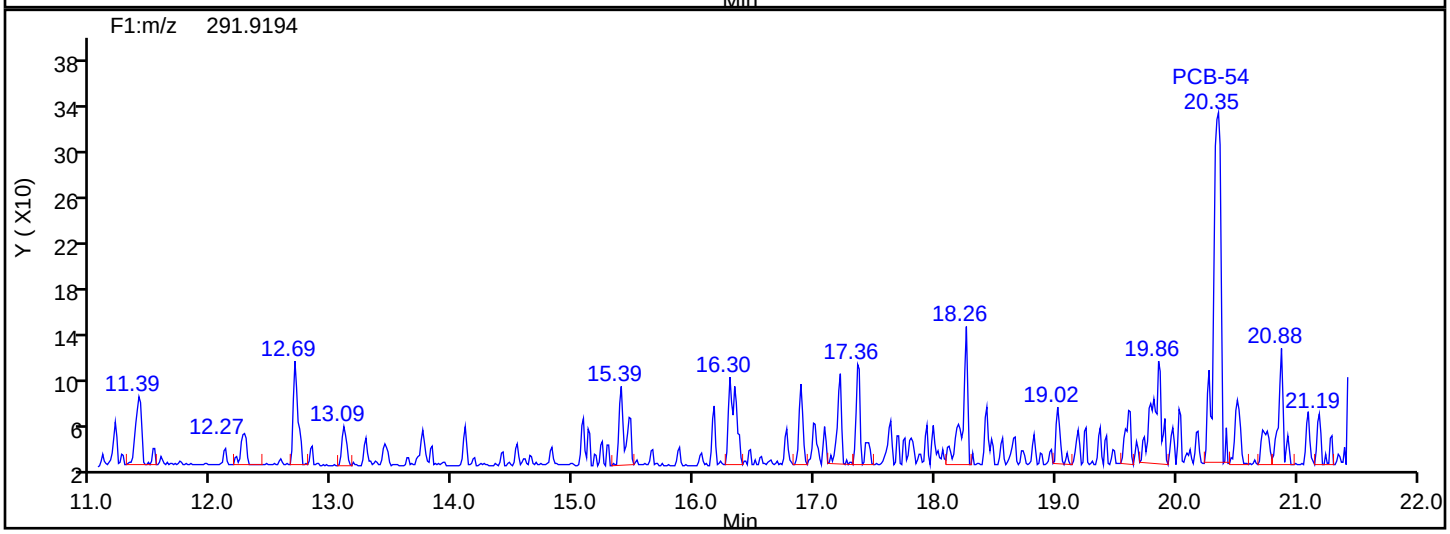



Eurofins TestAmerica, Knoxville

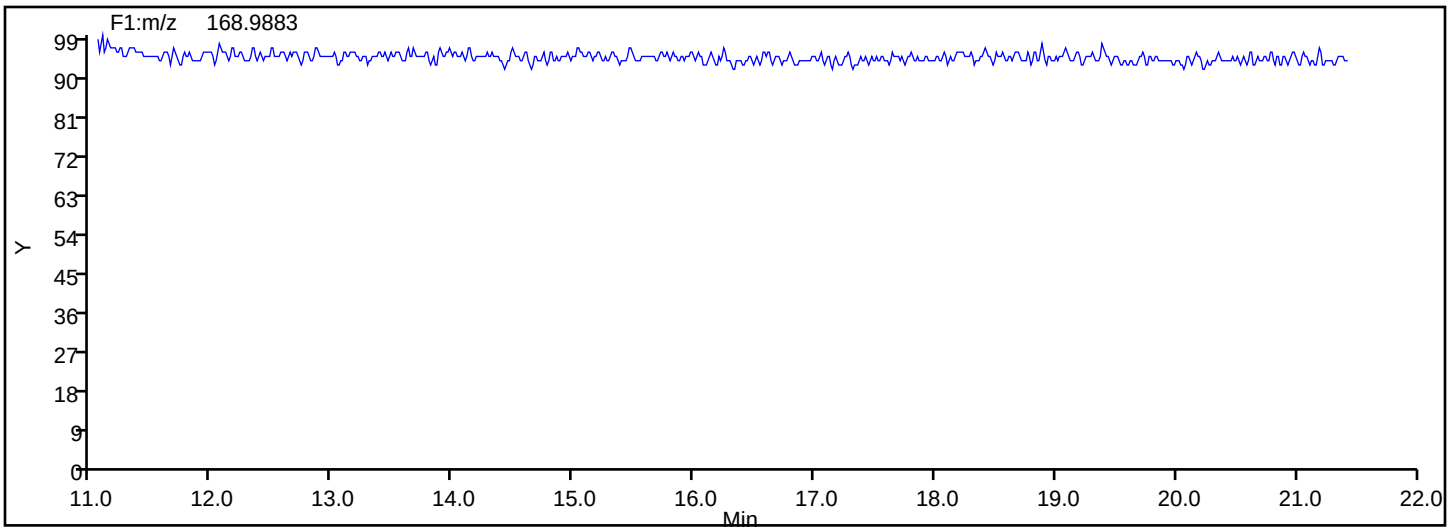
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass

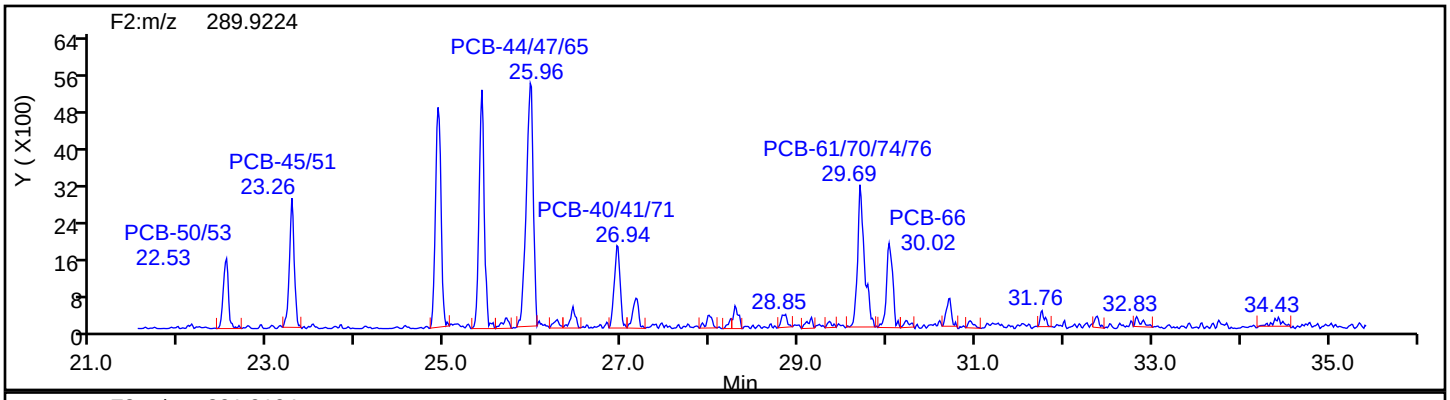


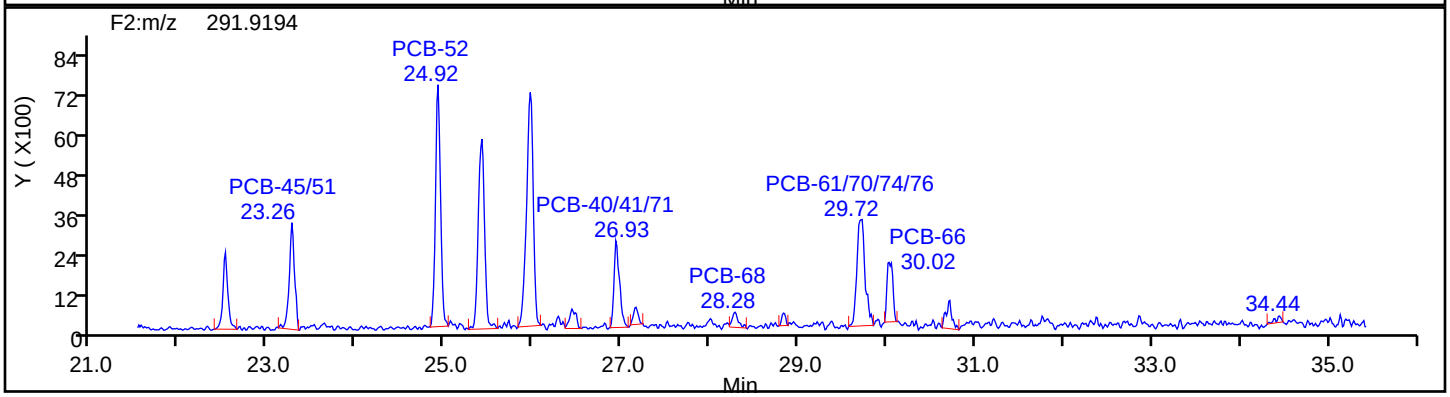
Report Date: 10-Oct-2019 10:52:40 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

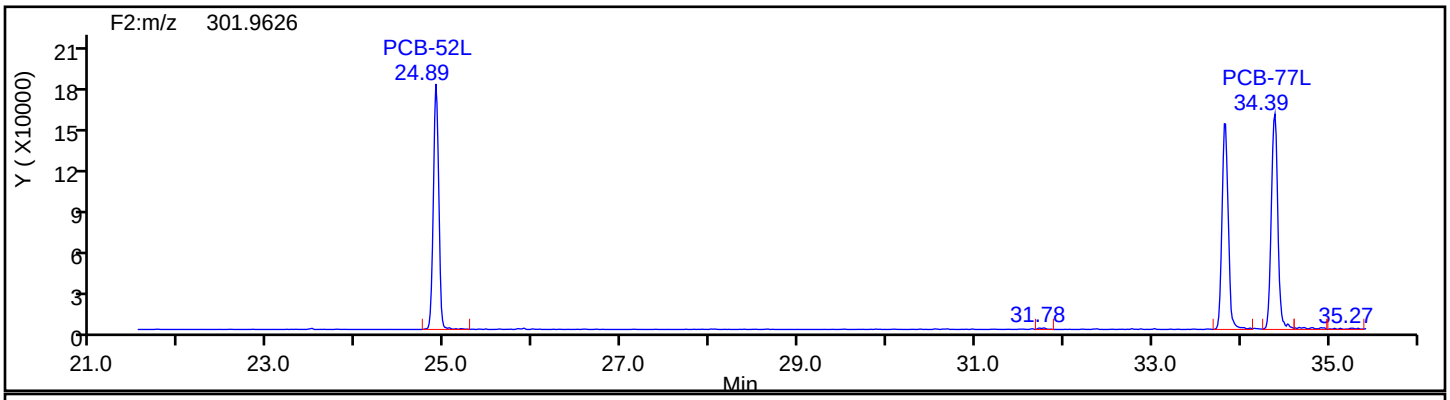
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

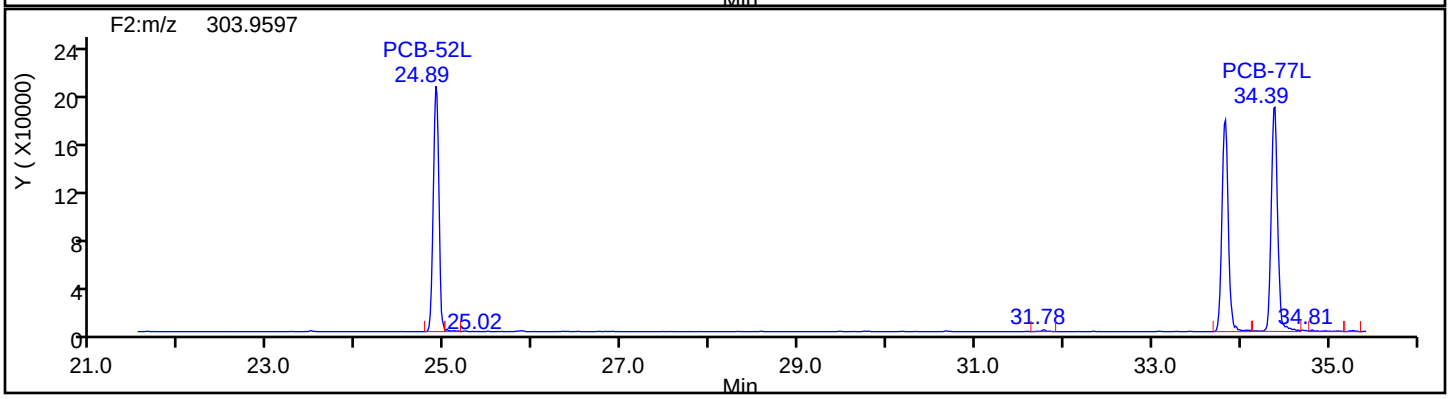
TePCB F2




TePCB F2 Standards

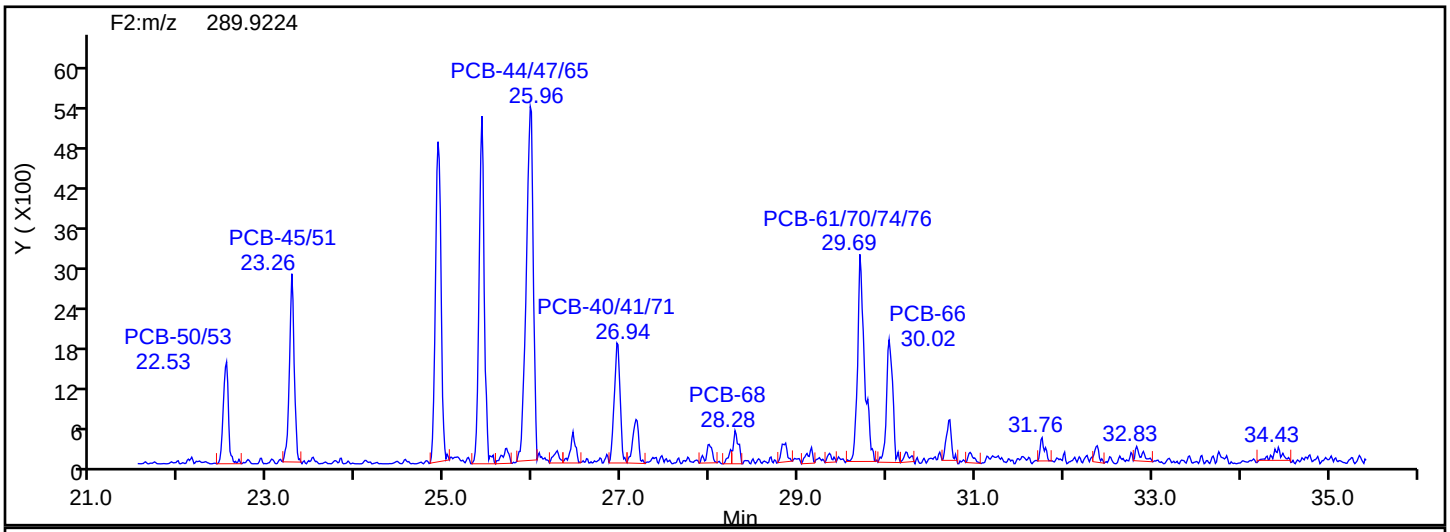


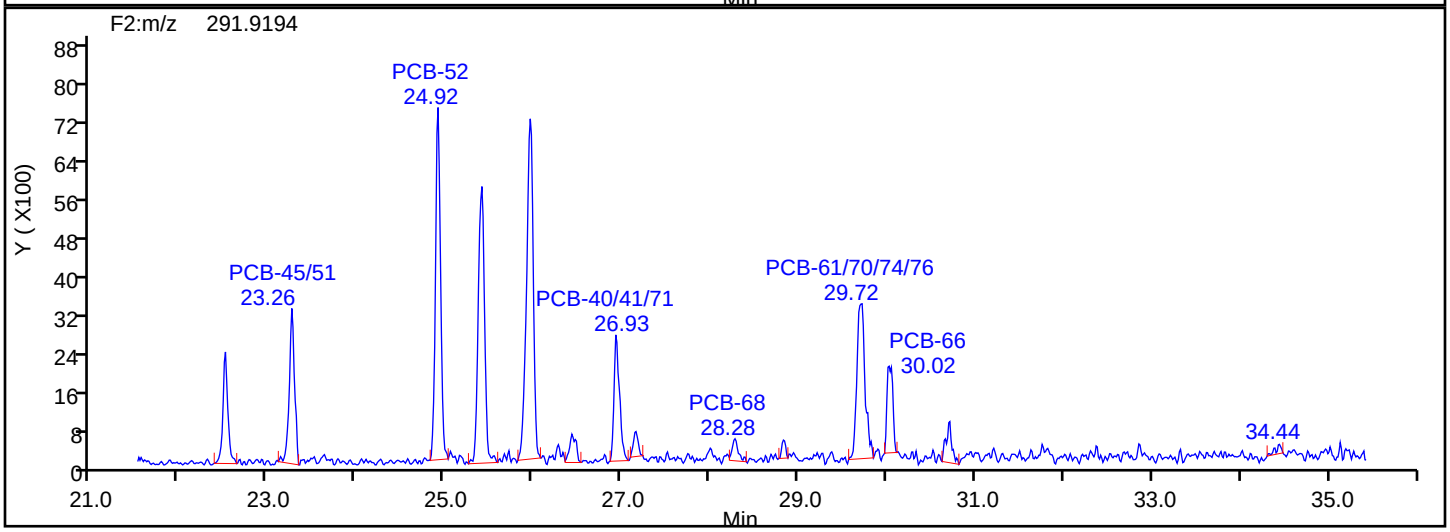



Eurofins TestAmerica, Knoxville

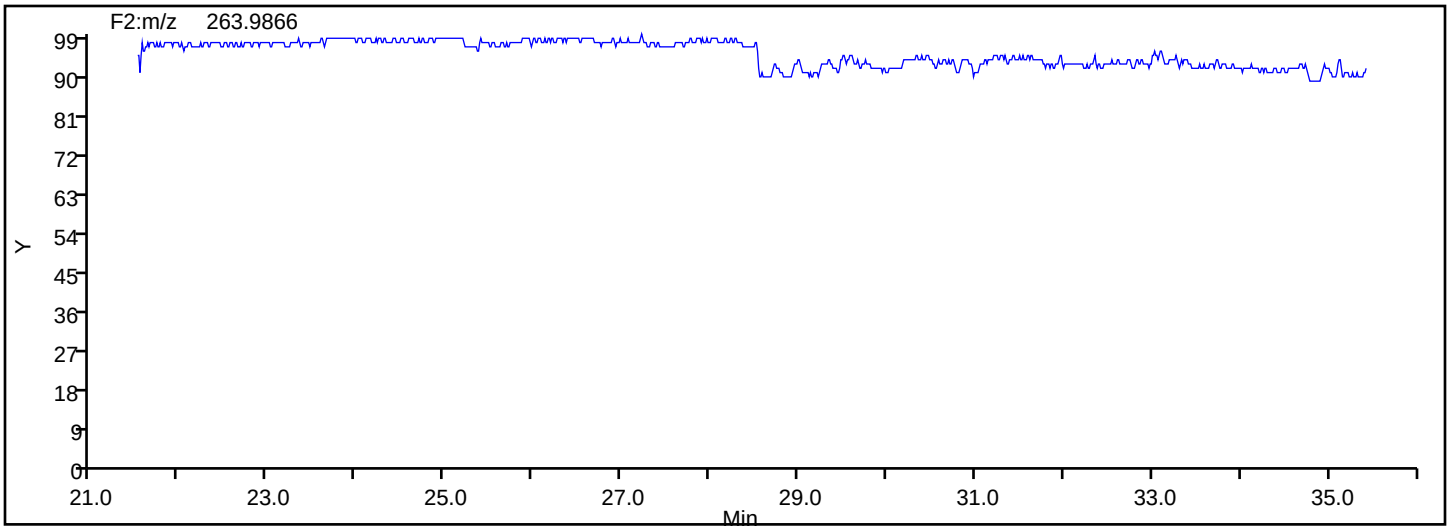
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

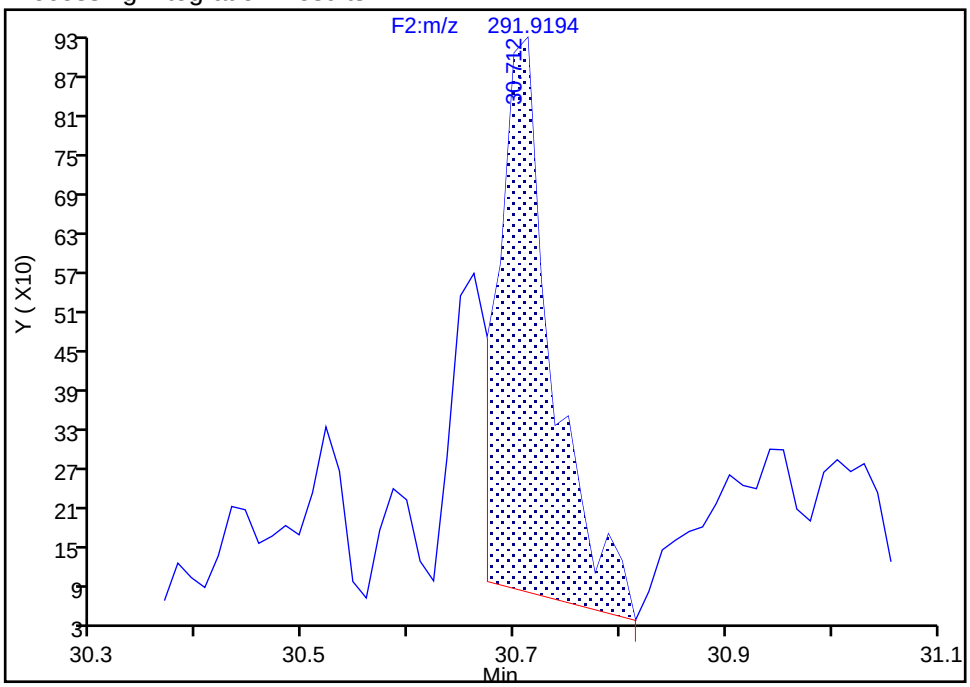
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-56, CAS: 41464-43-1

Signal: 2

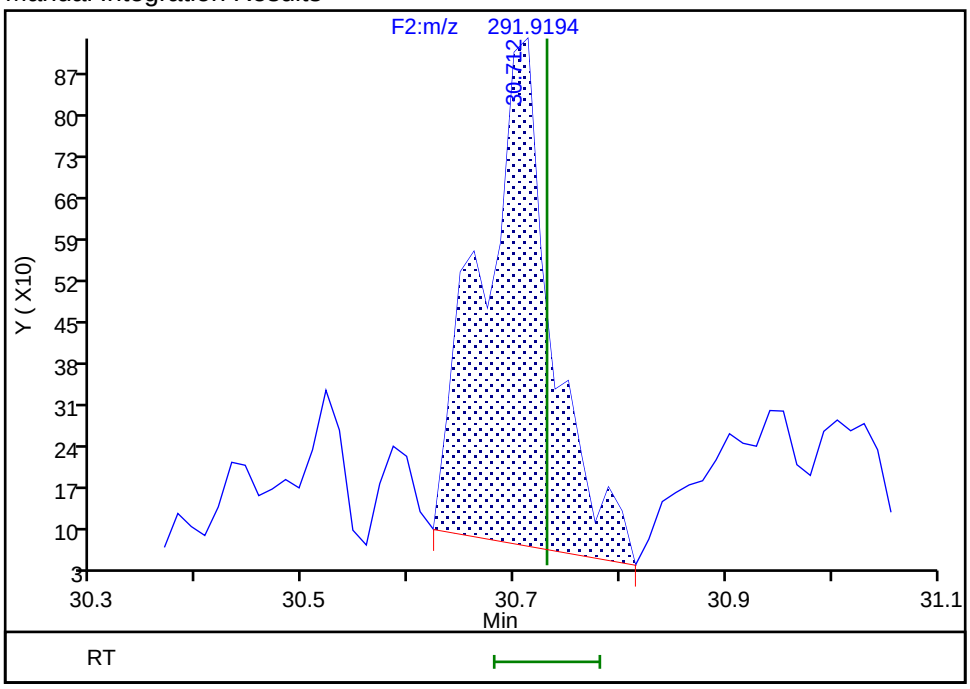
Processing Integration Results

RT: 30.71
Area: 2884
Amount: 0.243940
Amount Units: pg/ul




Manual Integration Results

RT: 30.71
Area: 3945
Amount: 0.293014
Amount Units: pg/ul



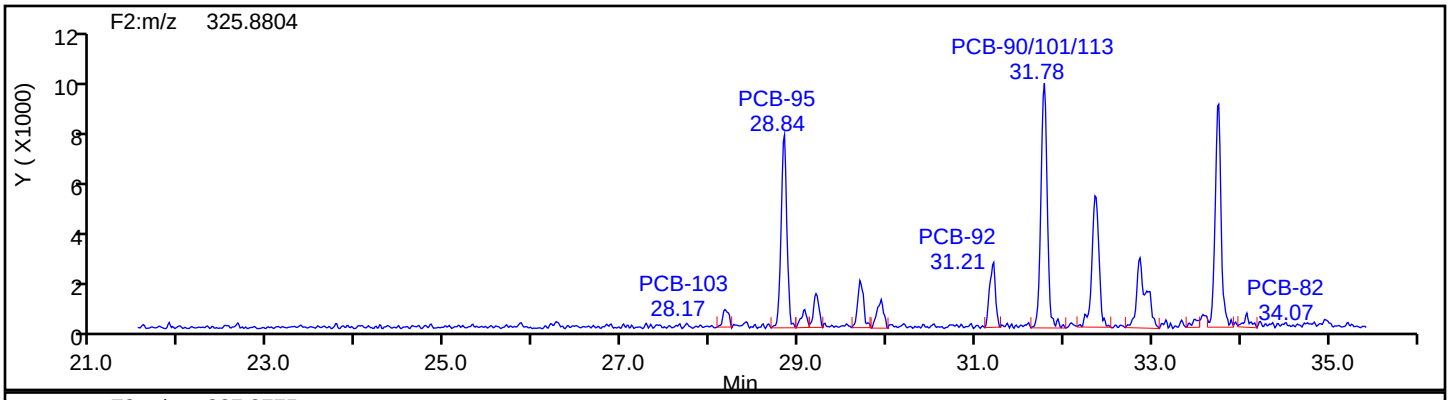

Reviewer: davidsonm, 10-Oct-2019 10:44:04

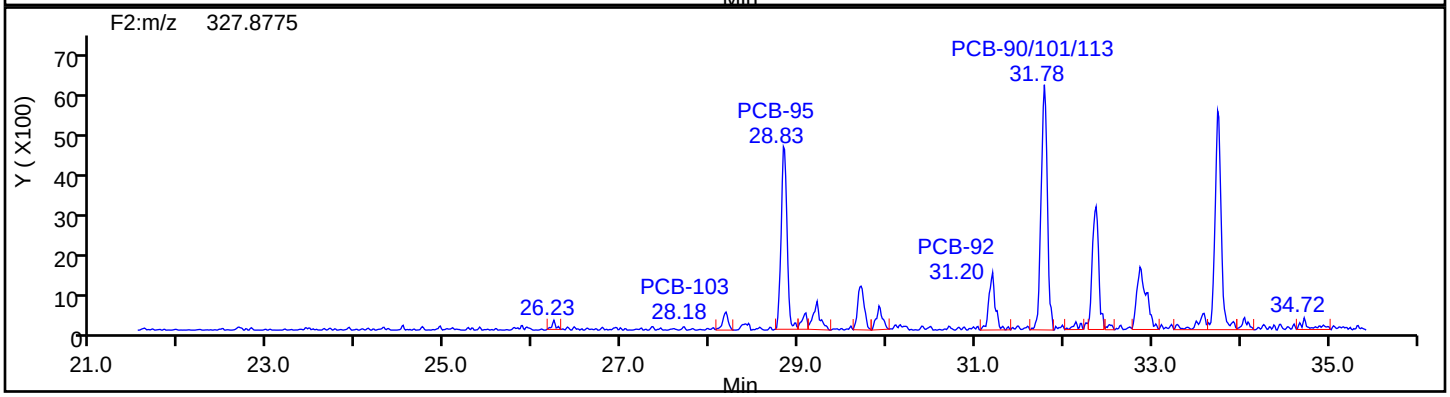
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

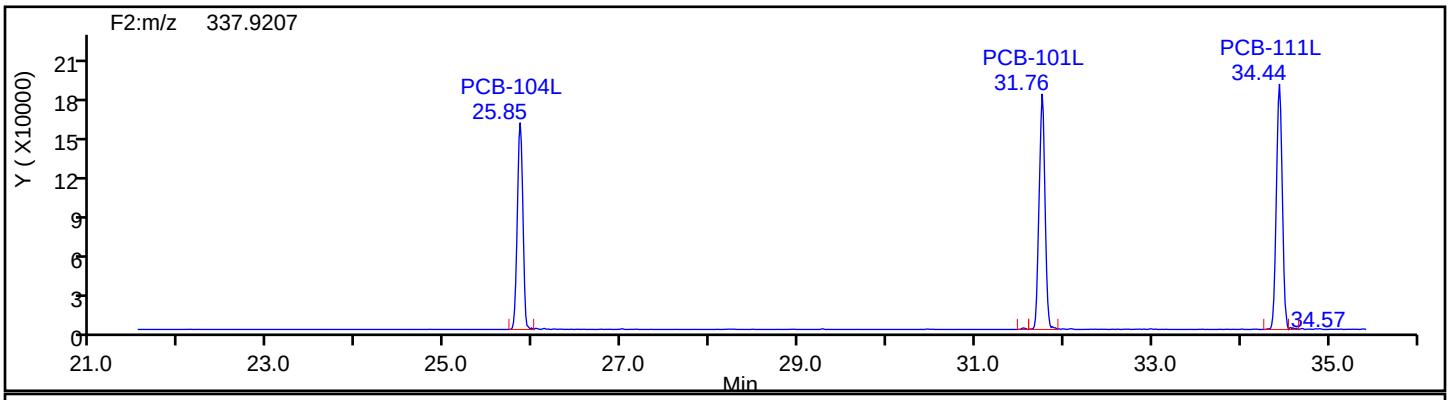
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

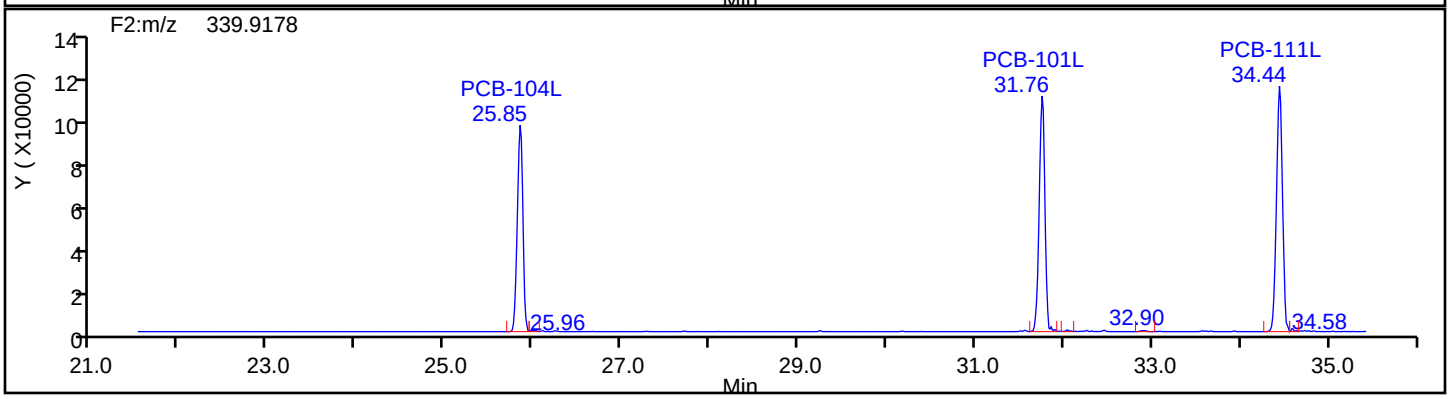
PePCB F2




PePCB F2 Standards

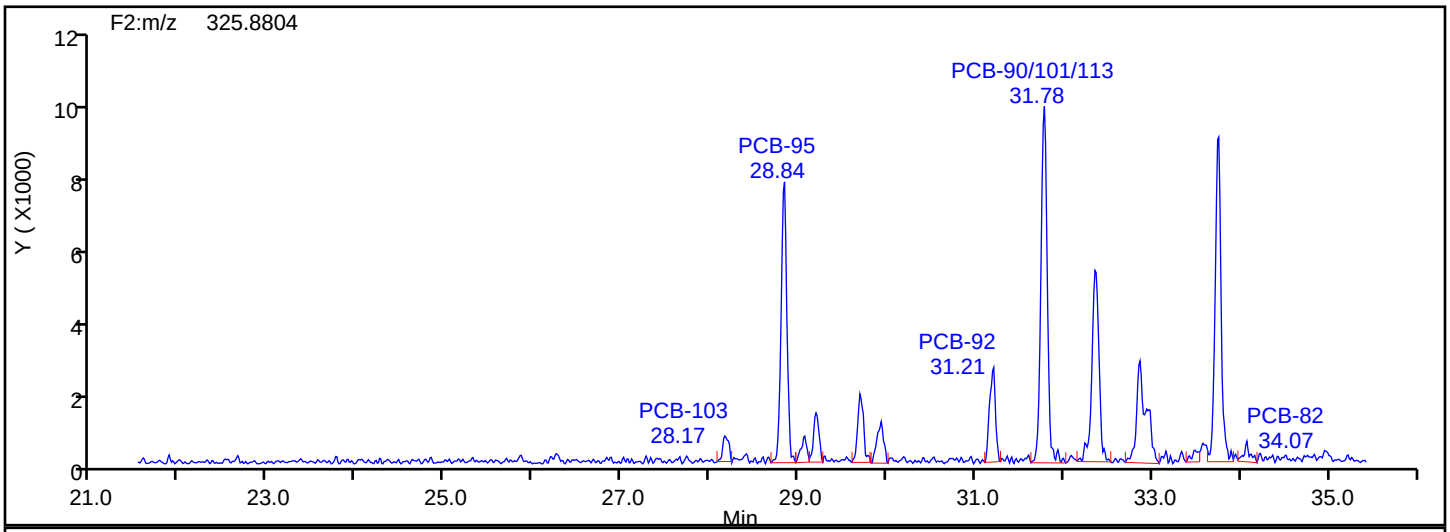


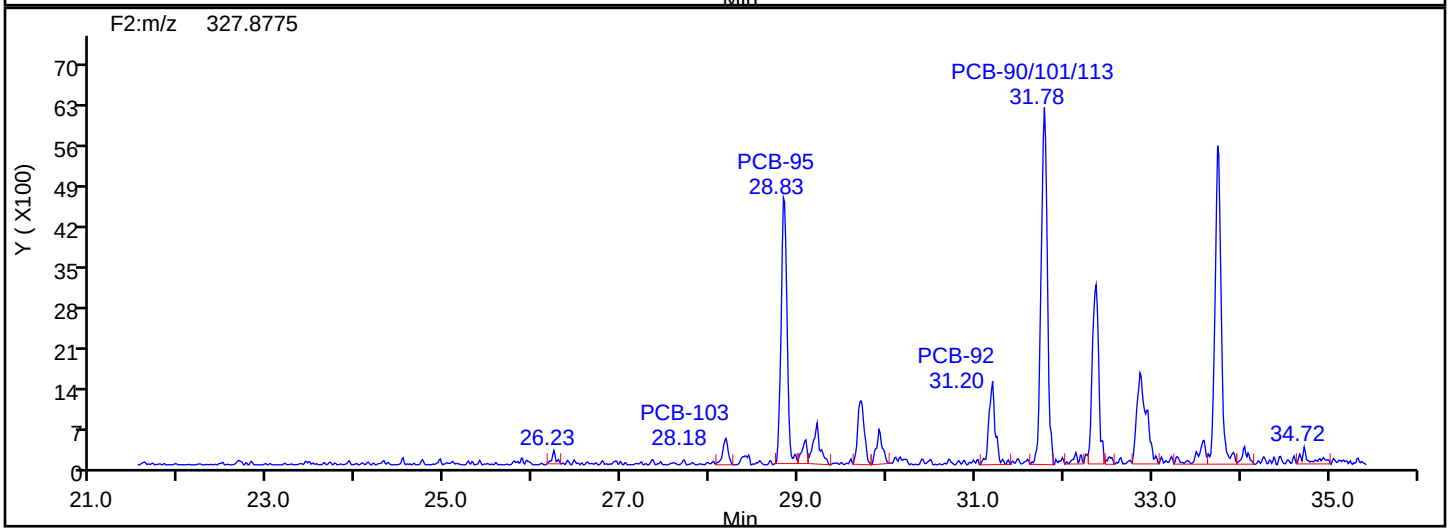



Eurofins TestAmerica, Knoxville

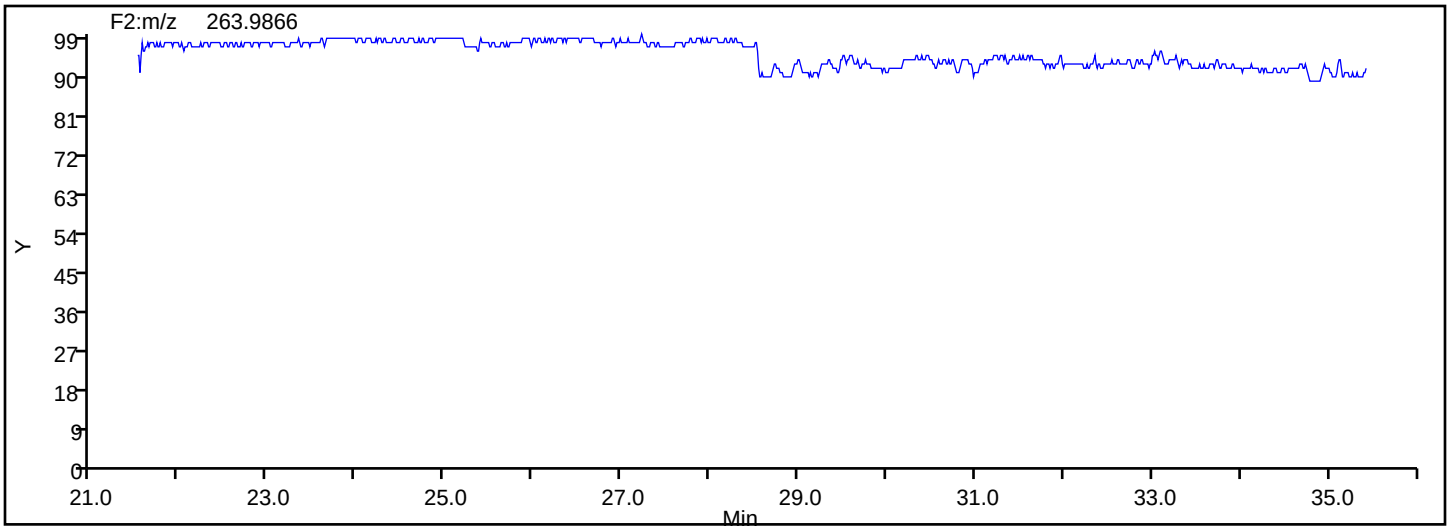
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass

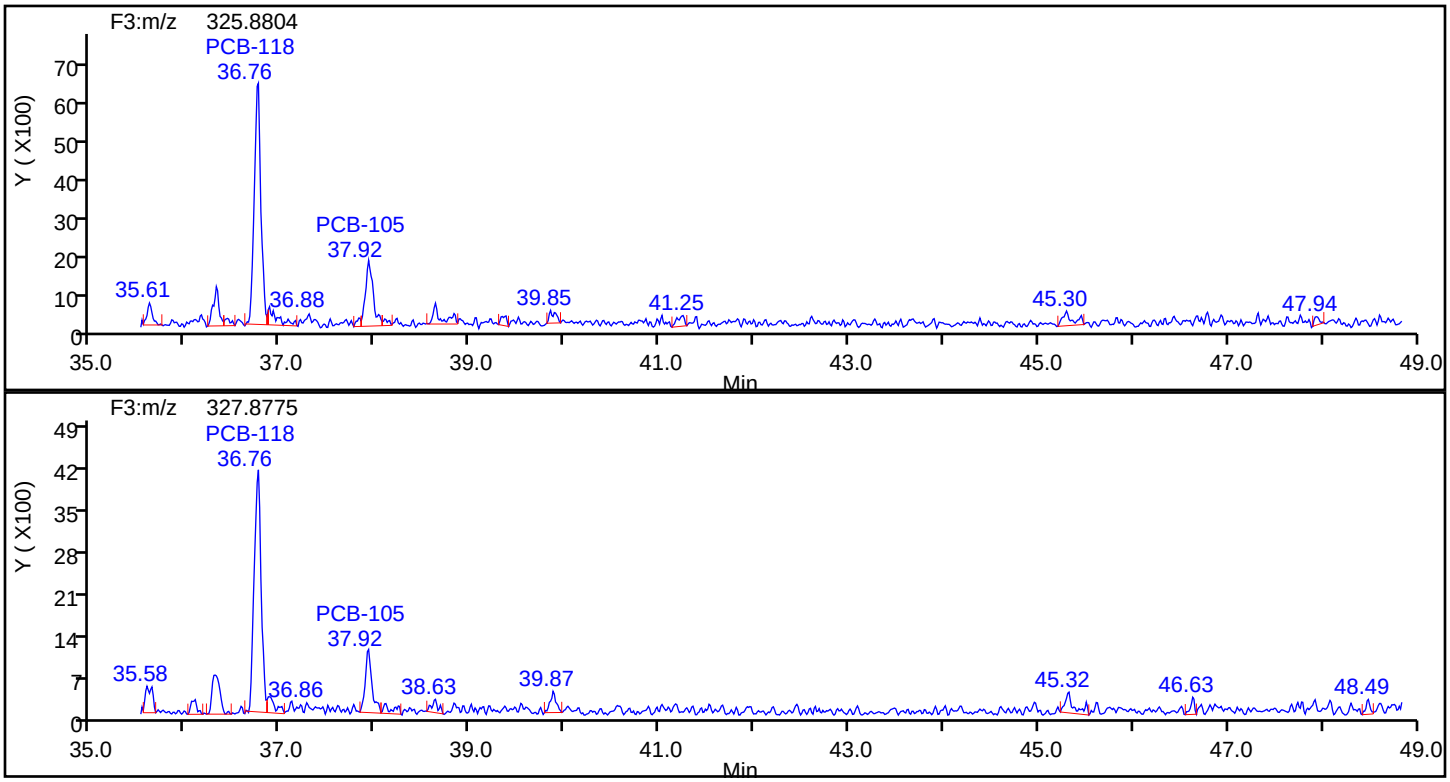


Report Date: 10-Oct-2019 10:52:40 Chrom Revision: 2.3 17-Sep-2019 16:19:08

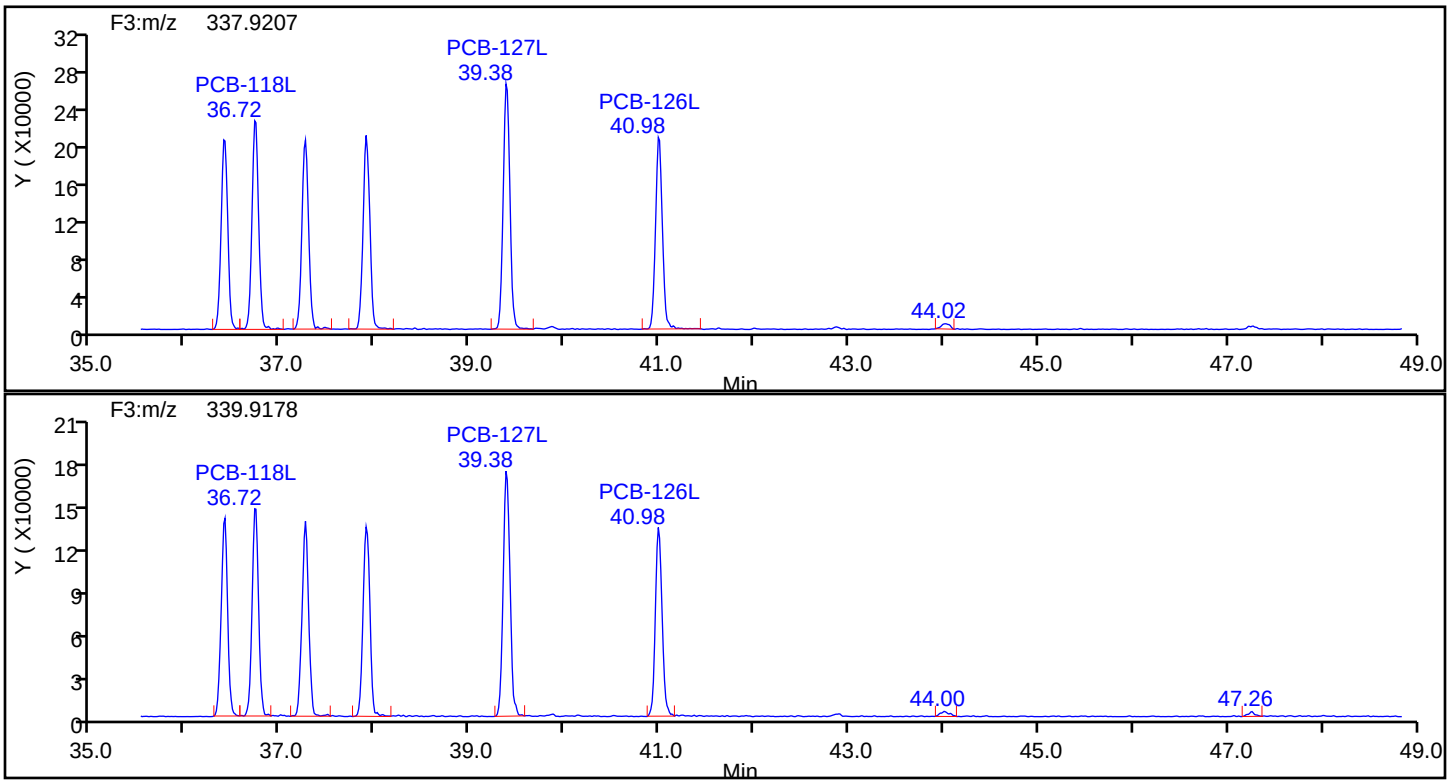
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Standards



Report Date: 10-Oct-2019 10:52:41 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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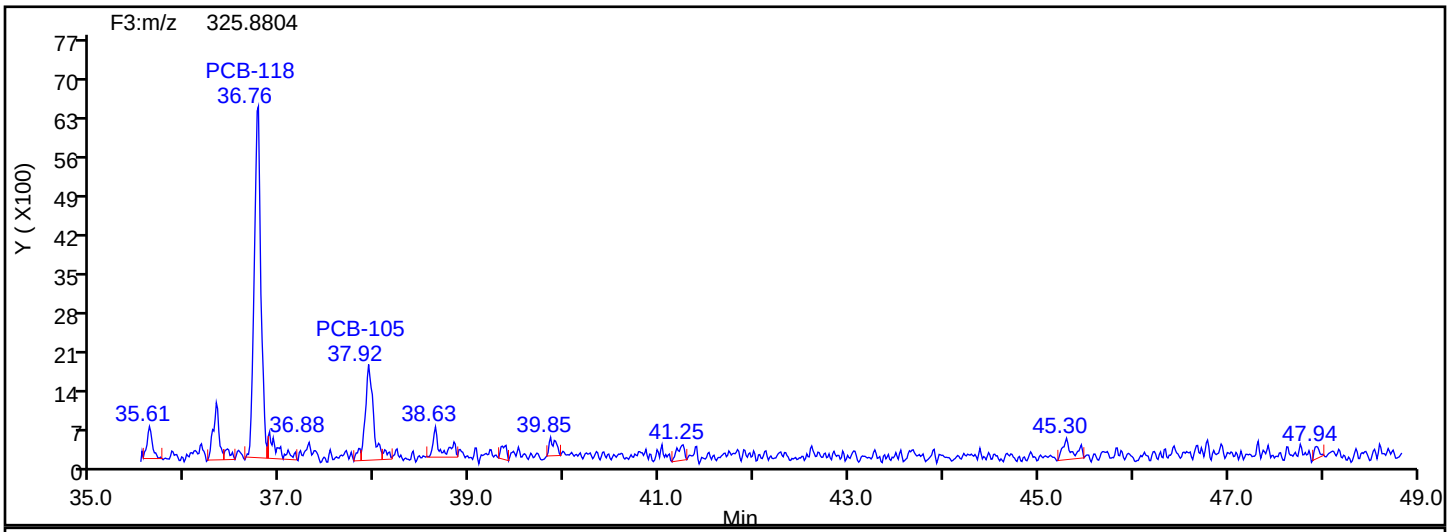
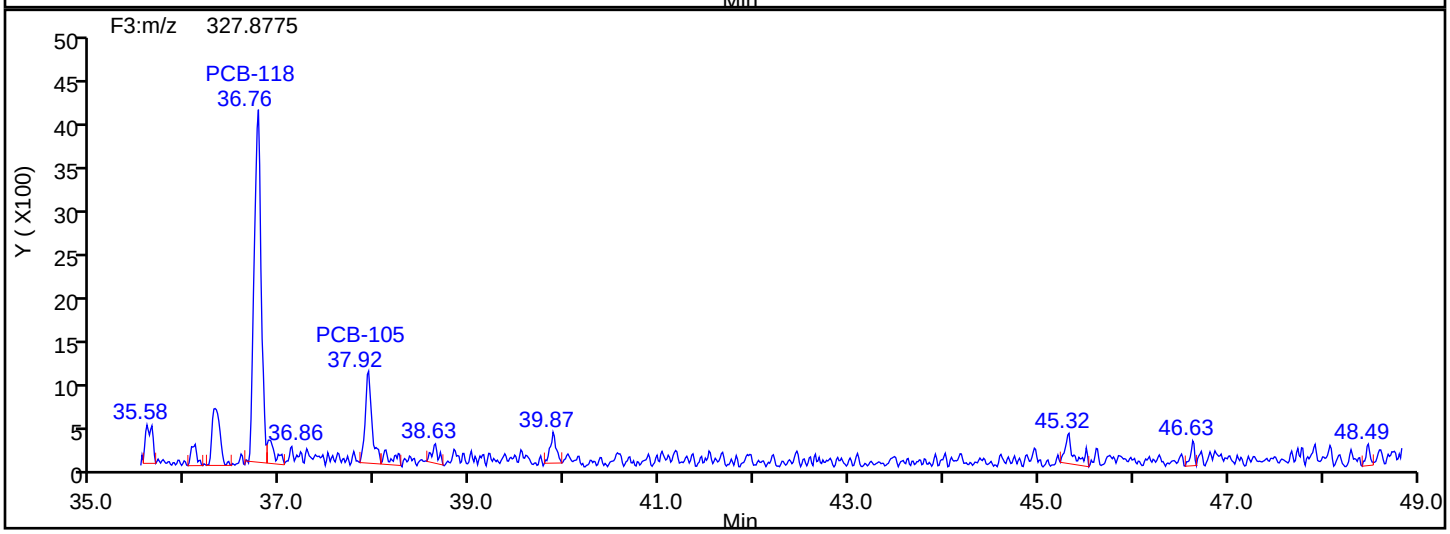
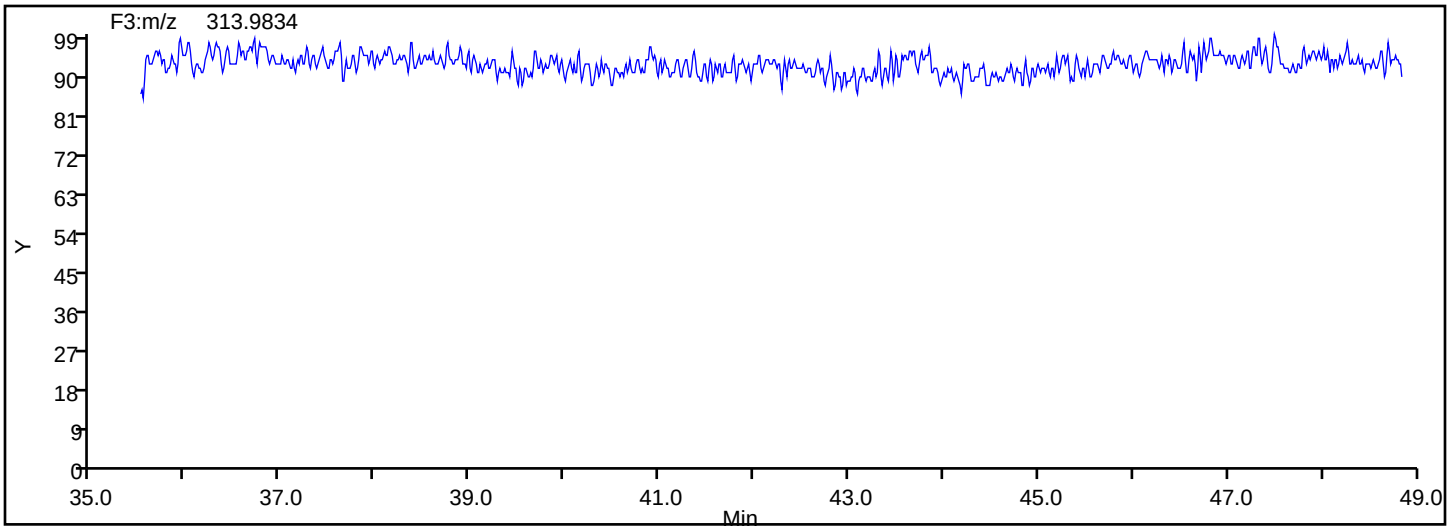
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

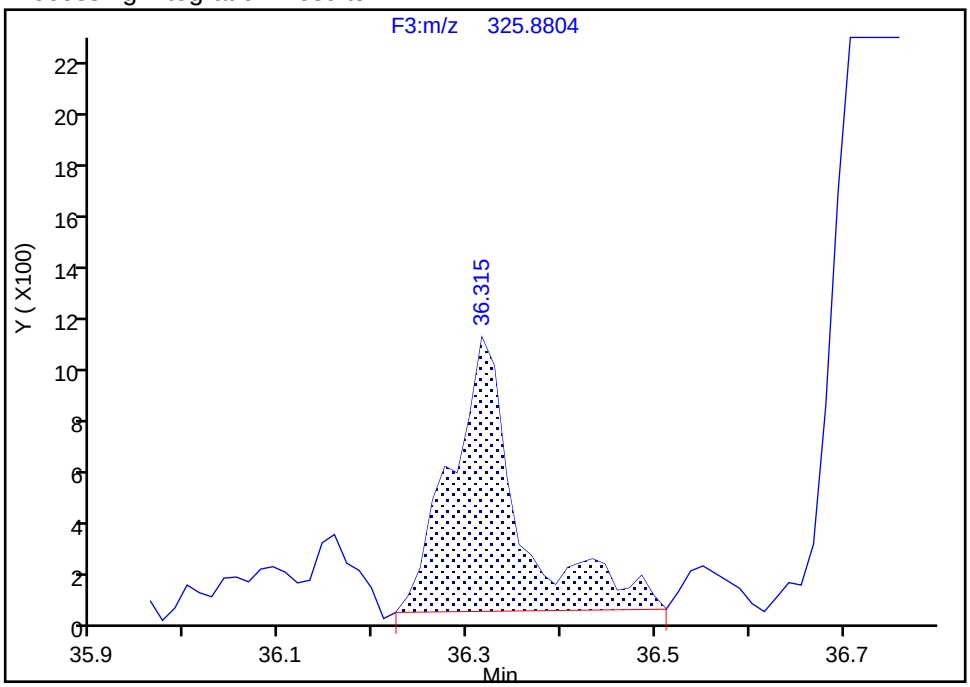
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

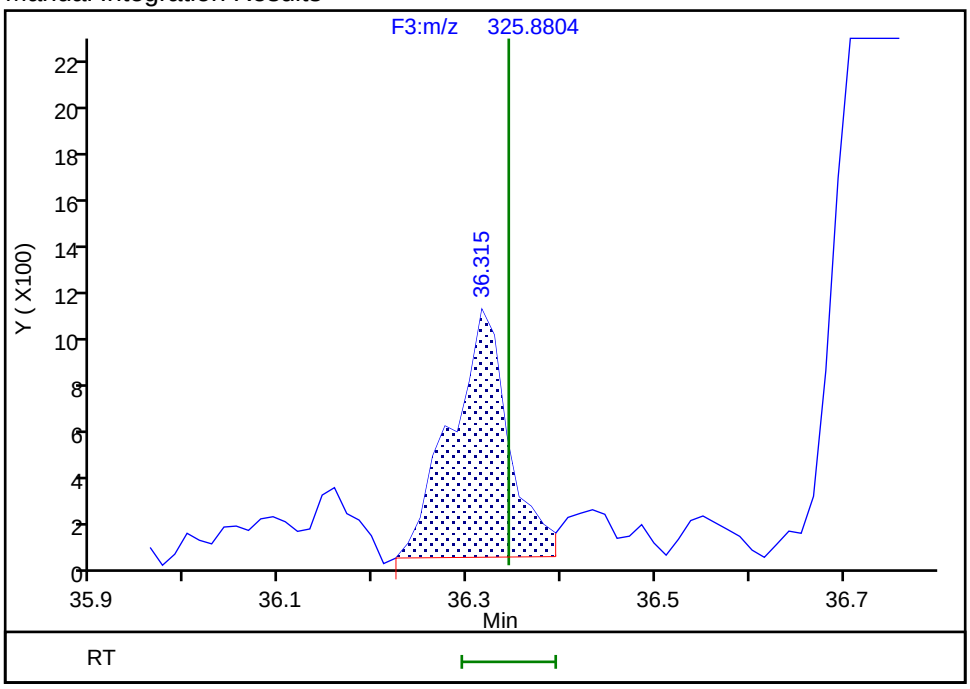
Processing Integration Results

RT: 36.32
Area: 5208
Amount: 0.394292
Amount Units: pg/ul




Manual Integration Results

RT: 36.32
Area: 4363
Amount: 0.357522
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:44:53

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

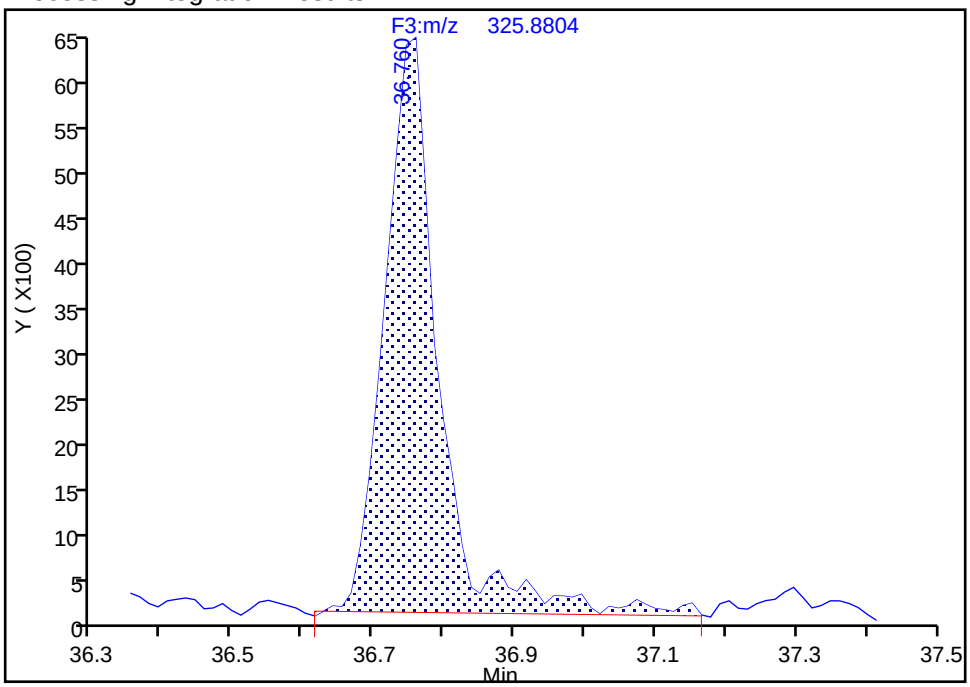
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118, CAS: 31508-00-6

Signal: 1

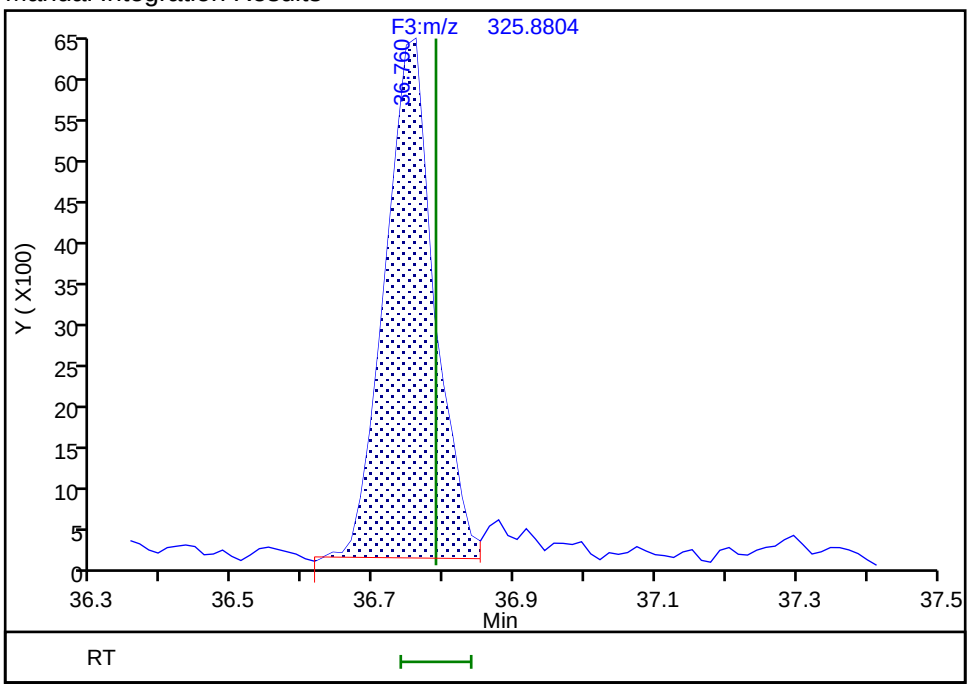
Processing Integration Results

RT: 36.76
Area: 33962
Amount: 2.457733
Amount Units: pg/ul




Manual Integration Results

RT: 36.76
Area: 30734
Amount: 2.248342
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:45:06

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

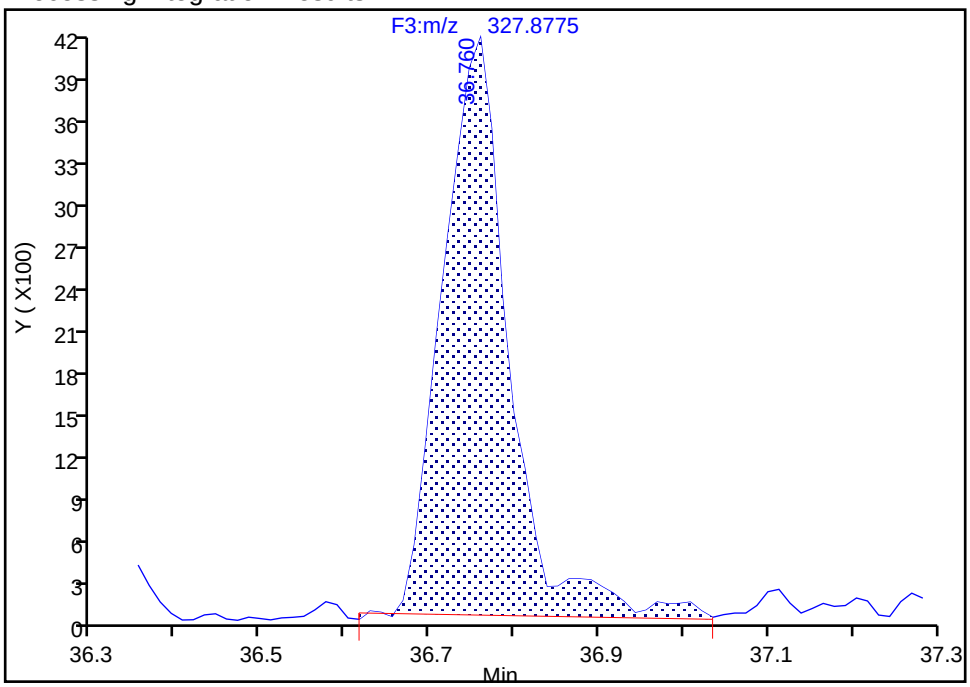
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118, CAS: 31508-00-6

Signal: 2

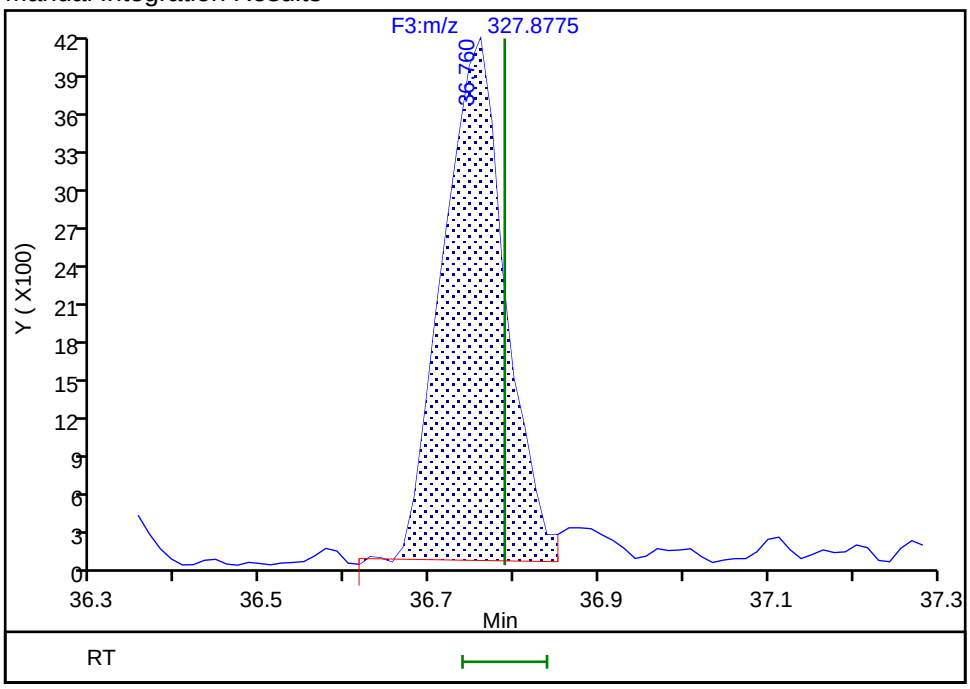
Processing Integration Results

RT: 36.76
Area: 22343
Amount: 2.457733
Amount Units: pg/ul




Manual Integration Results

RT: 36.76
Area: 20774
Amount: 2.248342
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:45:15

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

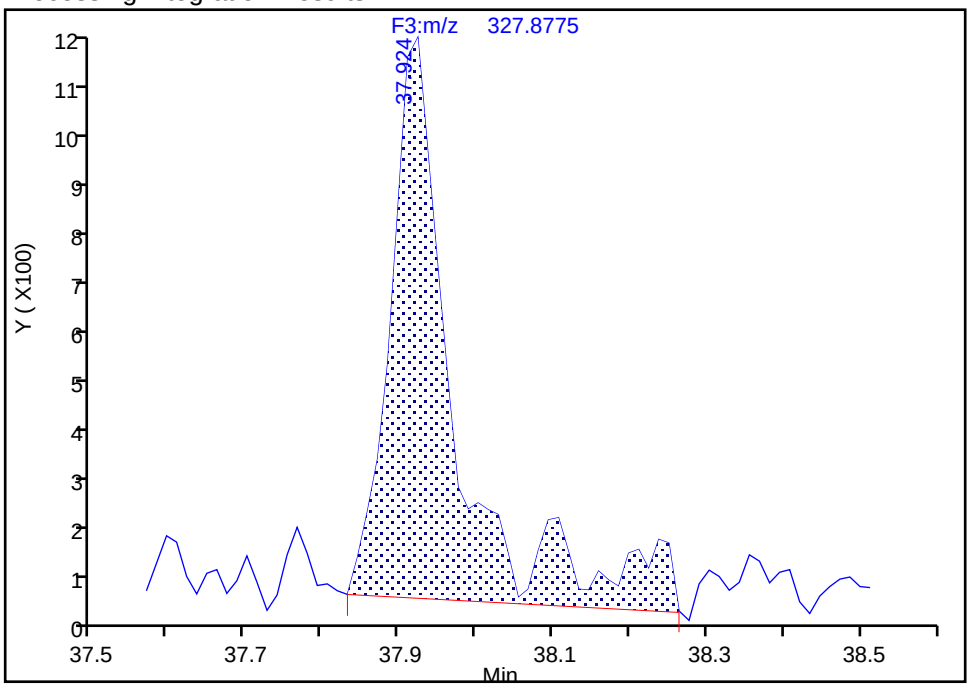
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105, CAS: 32598-14-4

Signal: 2

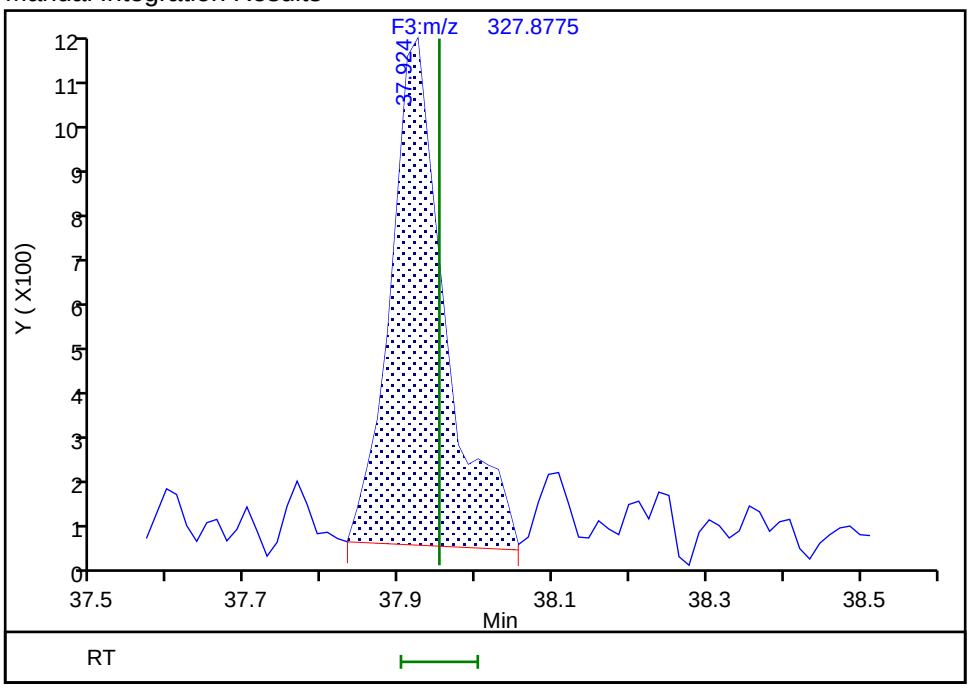
Processing Integration Results

RT: 37.92
Area: 6281
Amount: 0.790922
Amount Units: pg/ul




Manual Integration Results

RT: 37.92
Area: 5203
Amount: 0.679172
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:45:22

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

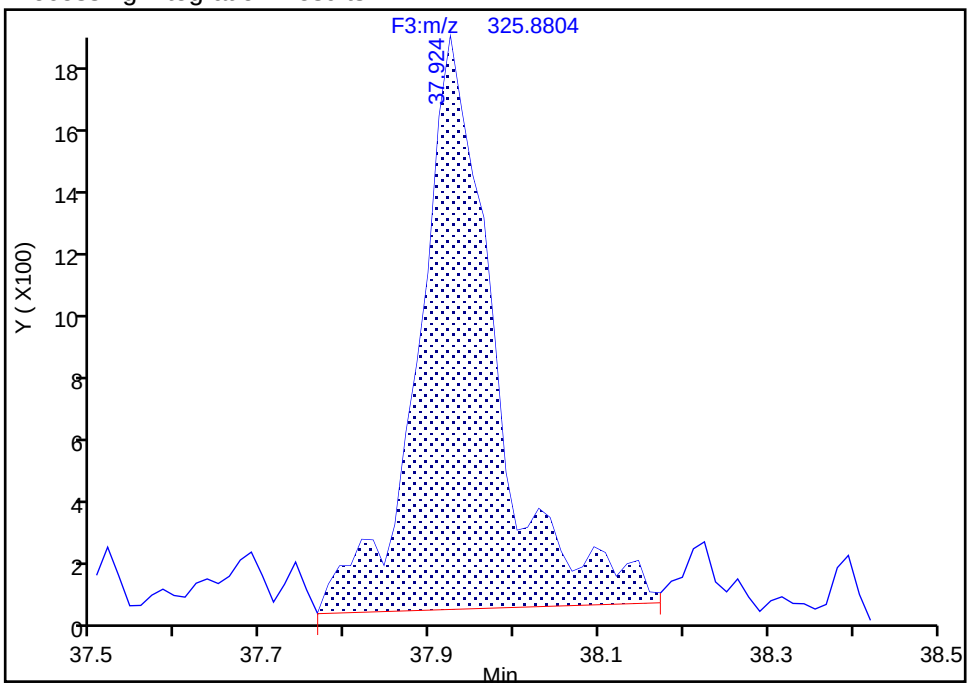
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-105, CAS: 32598-14-4

Signal: 1

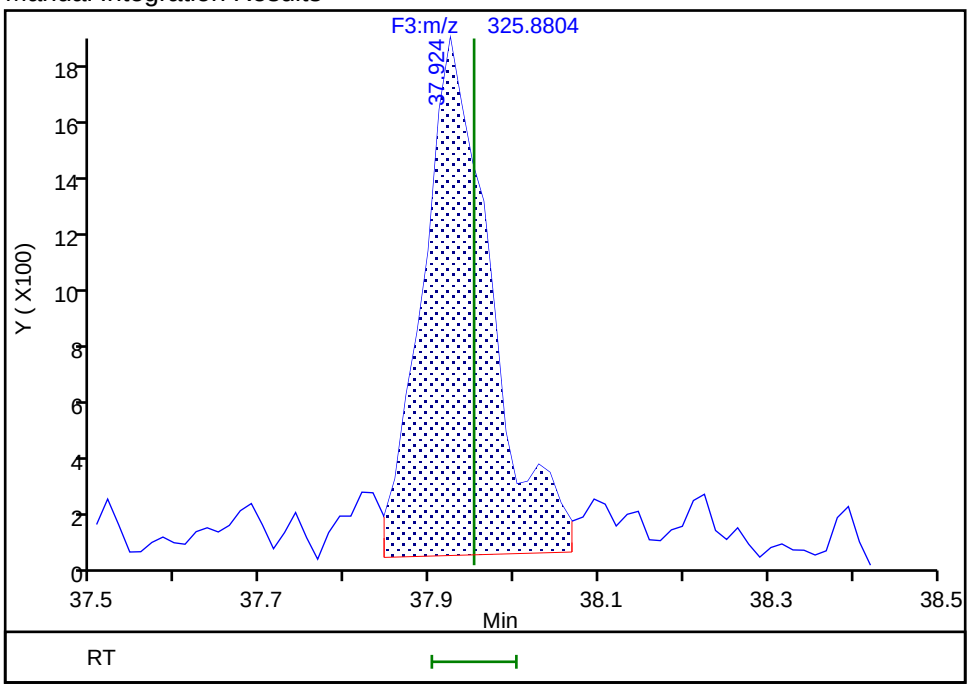
Processing Integration Results

RT: 37.92
Area: 11052
Amount: 0.790922
Amount Units: pg/ul




Manual Integration Results

RT: 37.92
Area: 9681
Amount: 0.679172
Amount Units: pg/ul



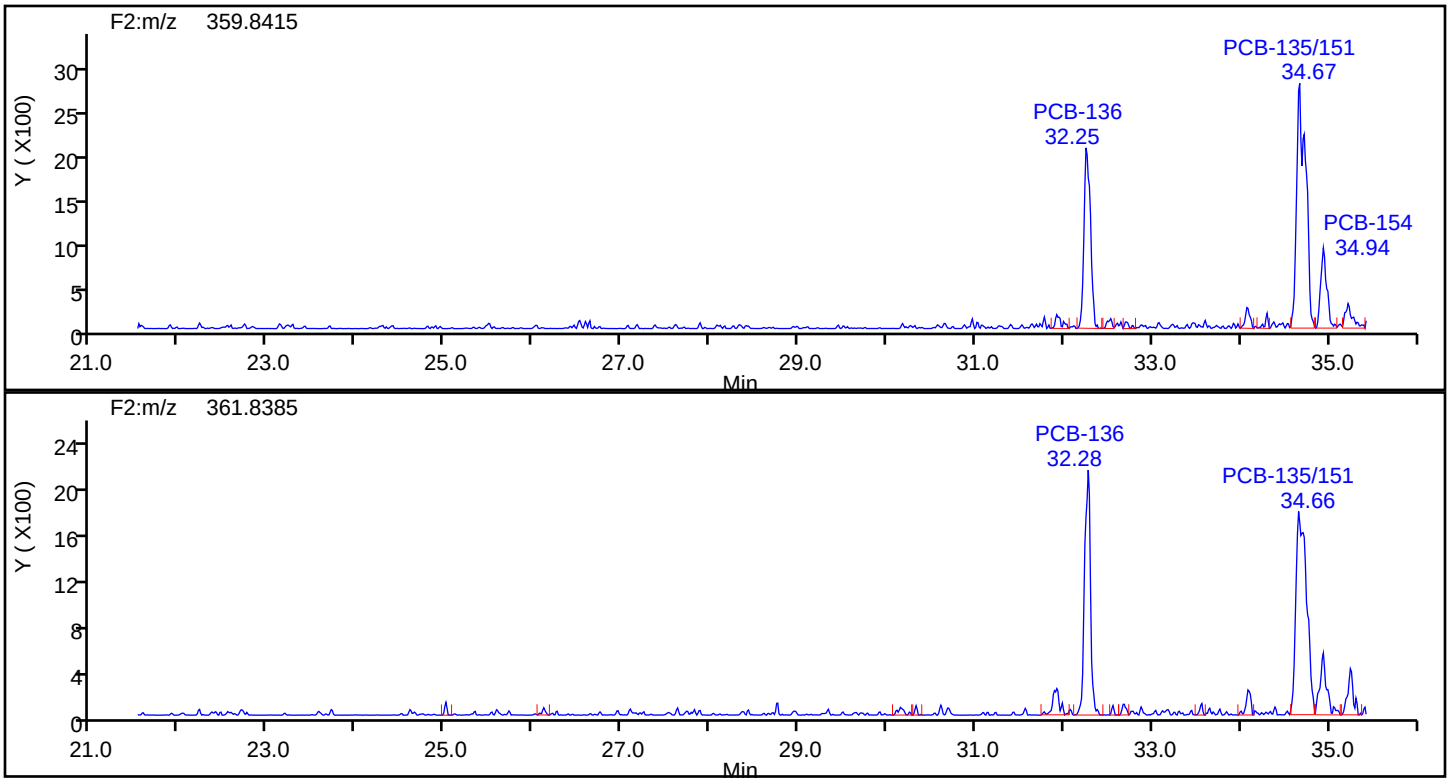

Reviewer: davidsonm, 10-Oct-2019 10:45:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

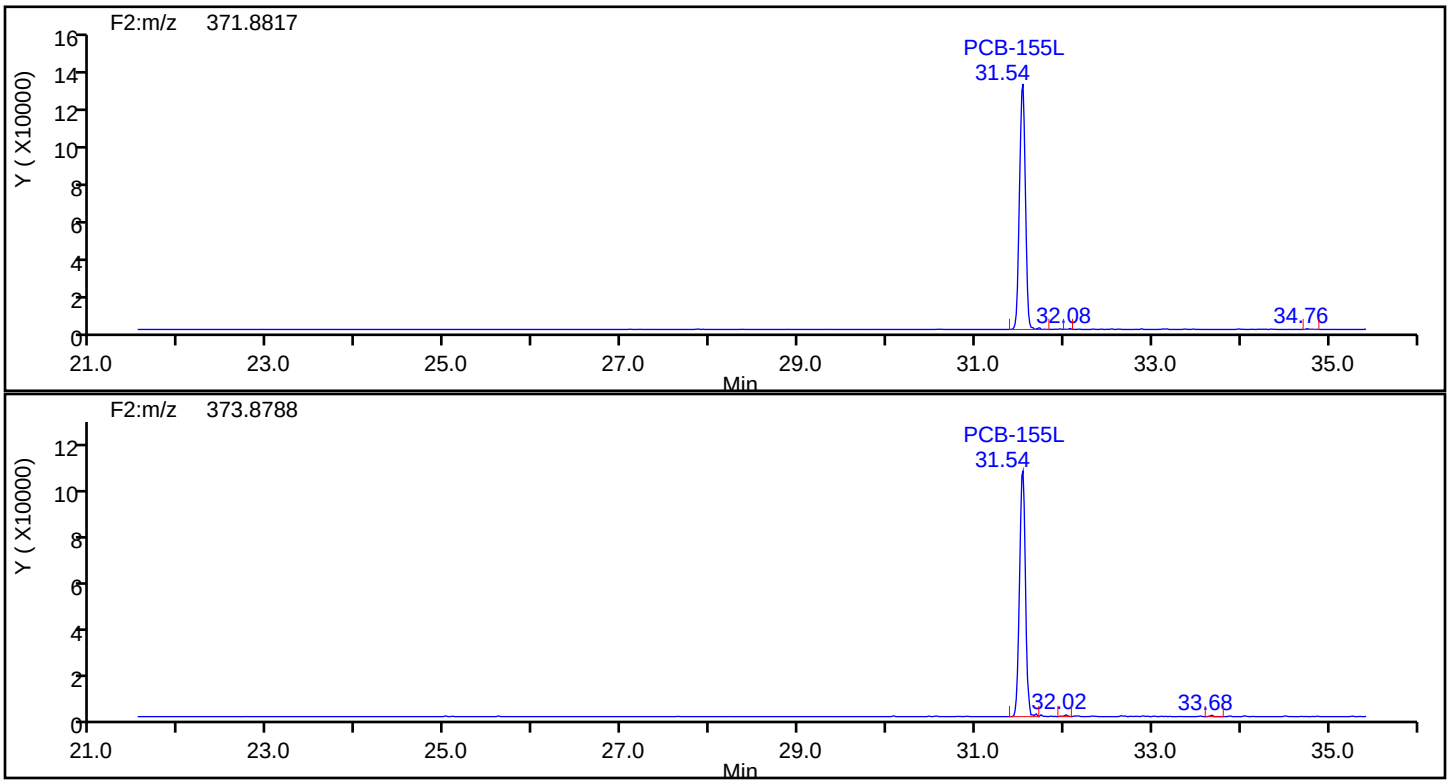
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



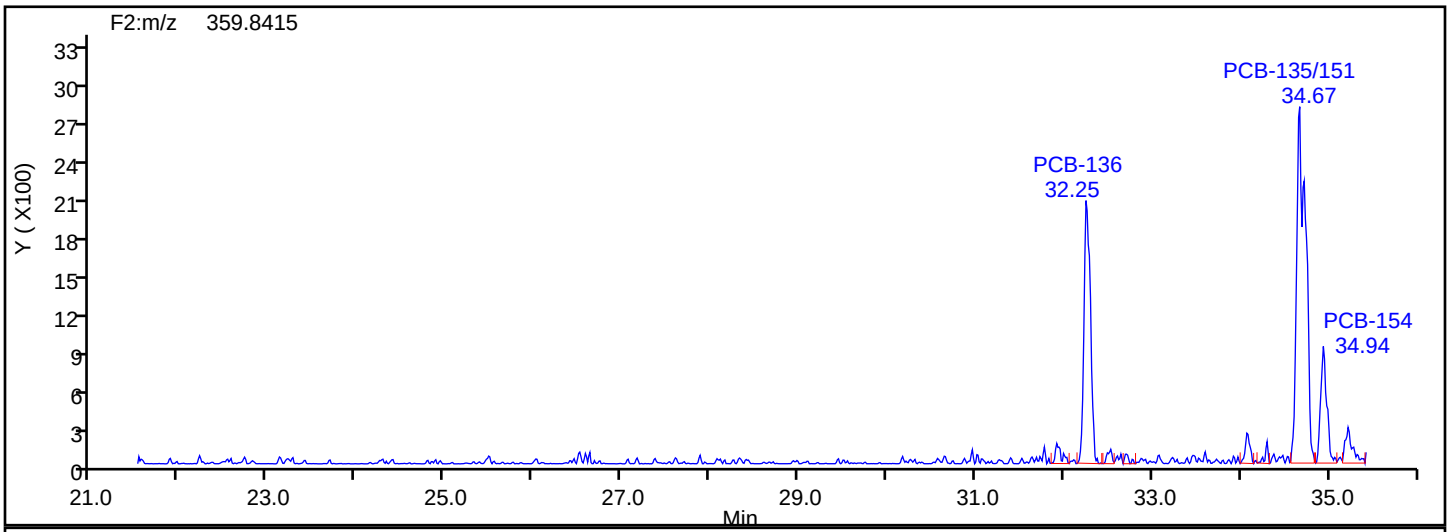

HxPCB F2 Standards

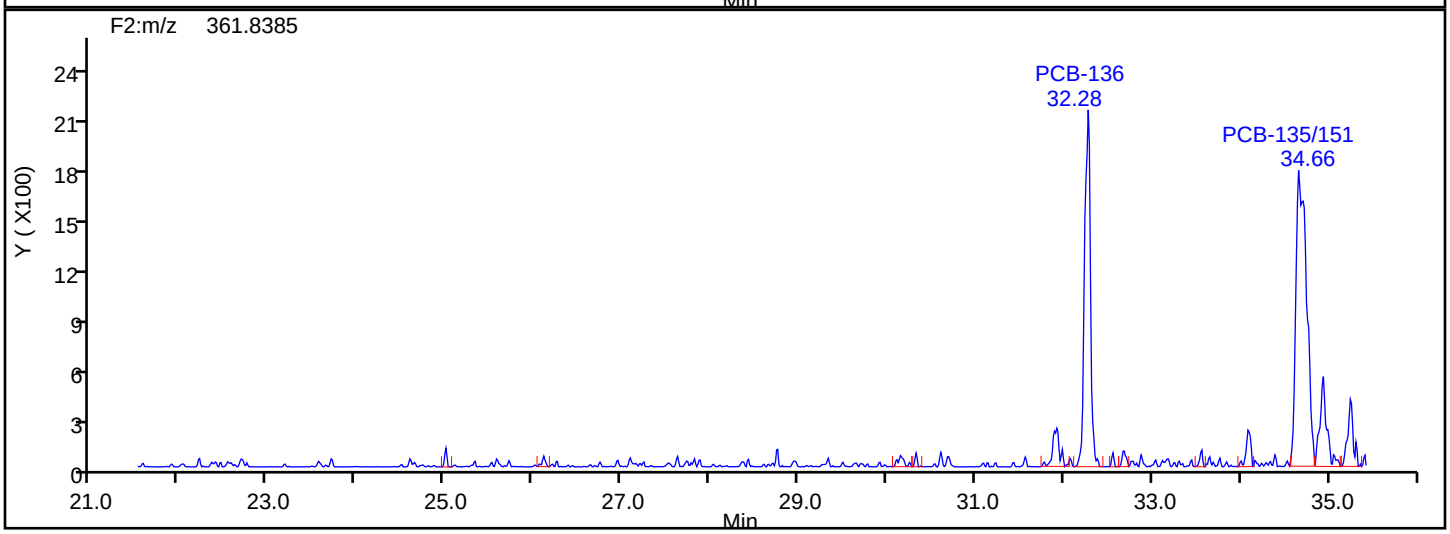


Eurofins TestAmerica, Knoxville

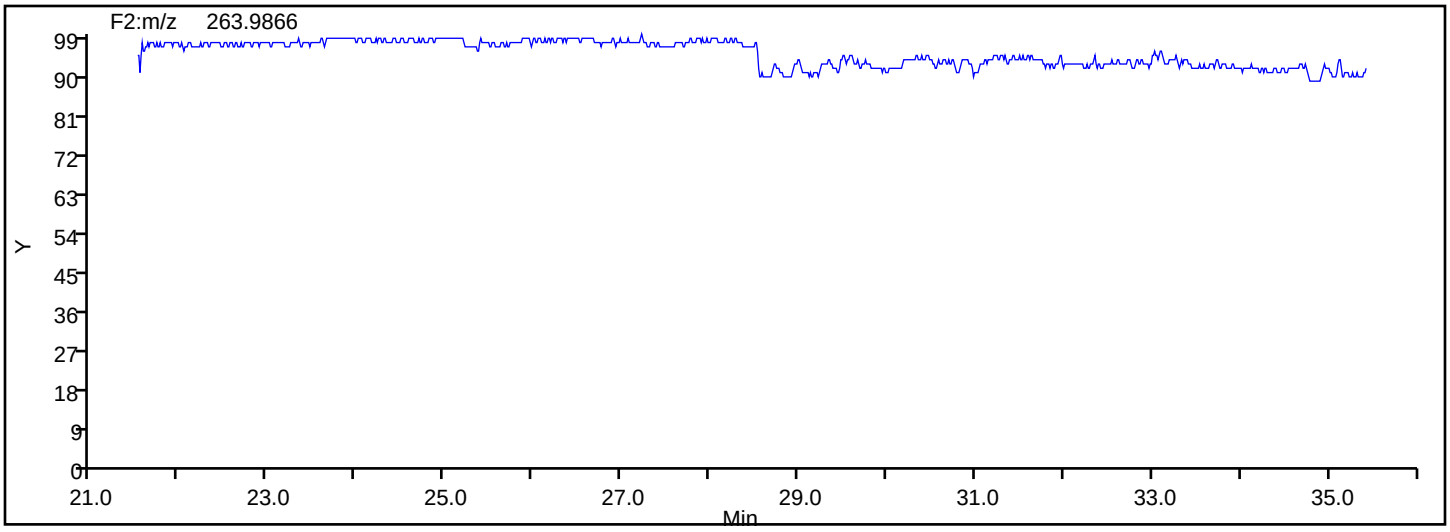
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass

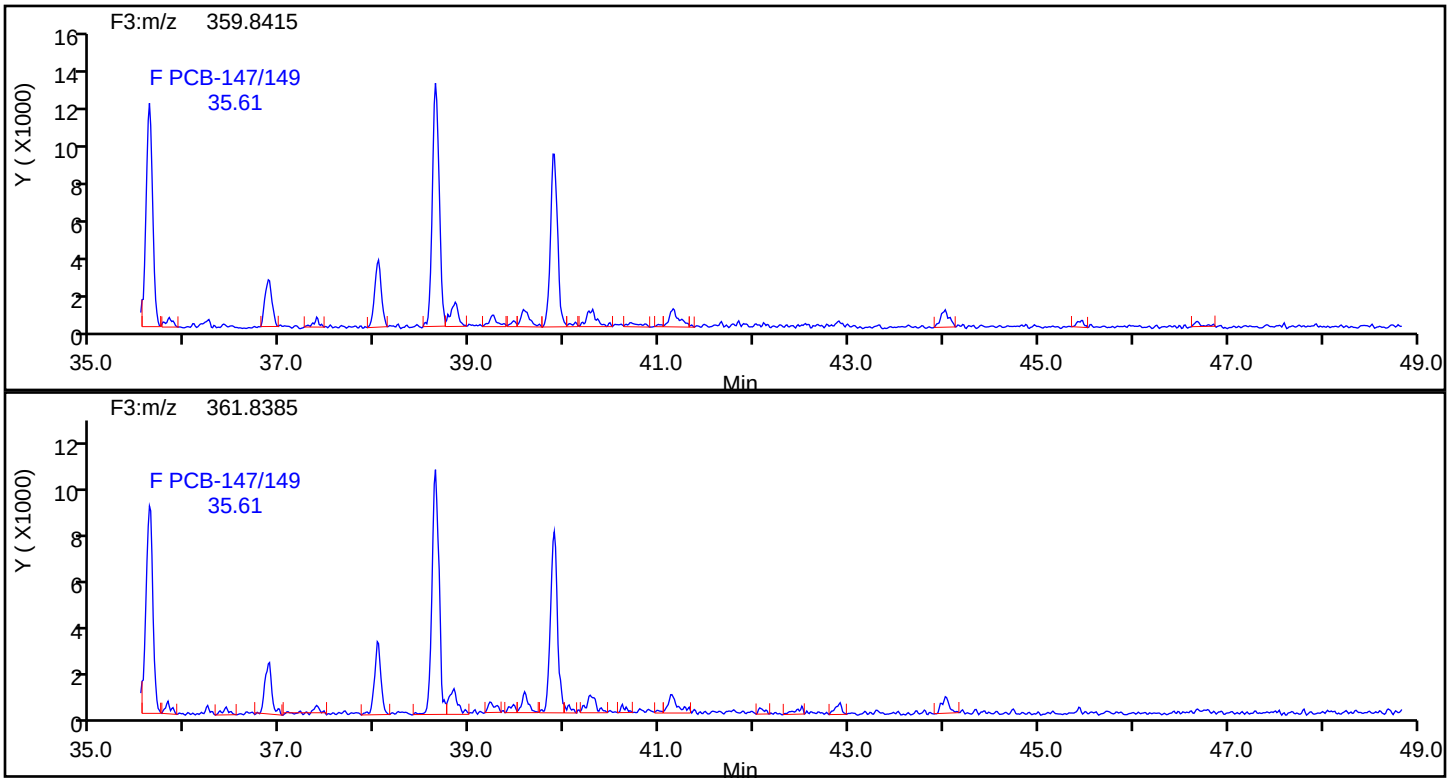


Report Date: 10-Oct-2019 10:52:41 Chrom Revision: 2.3 17-Sep-2019 16:19:08

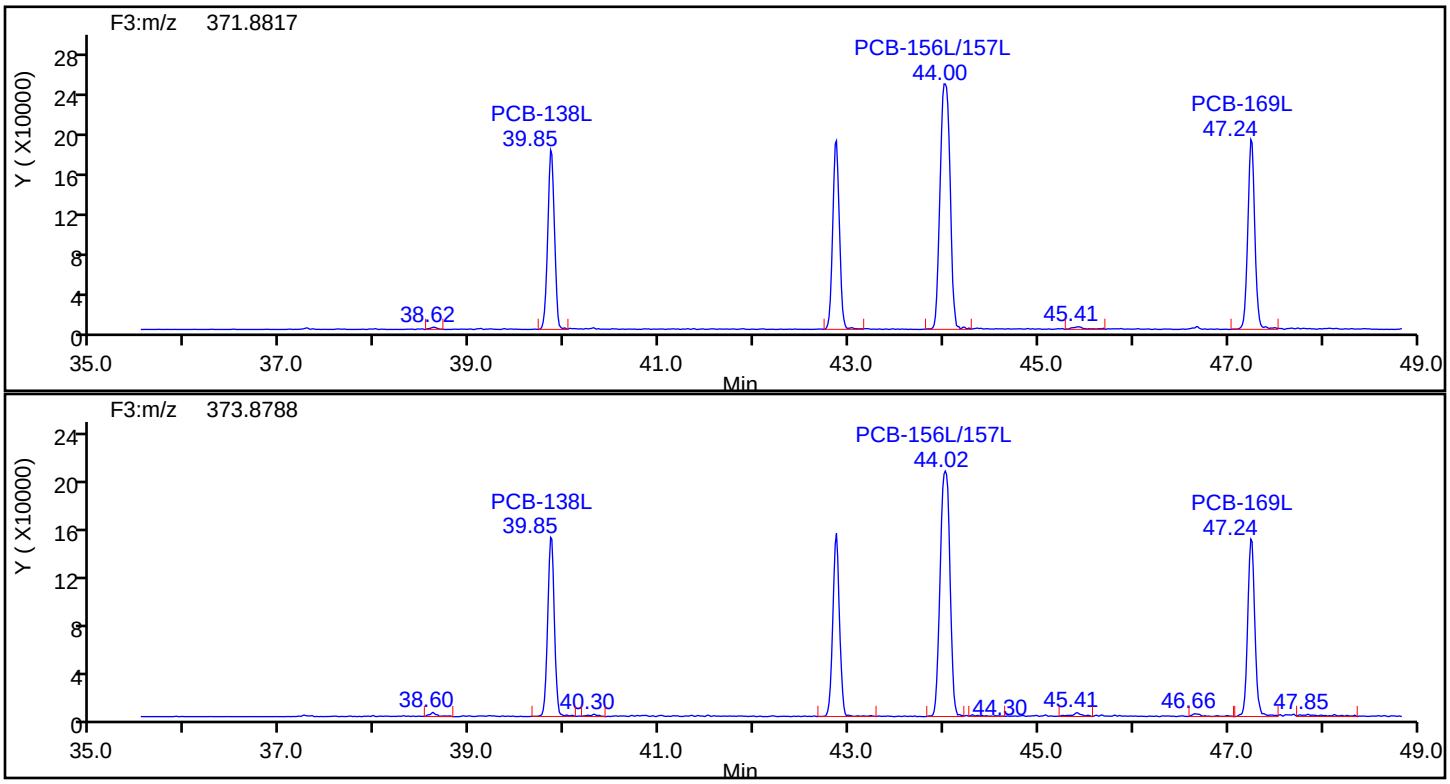
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



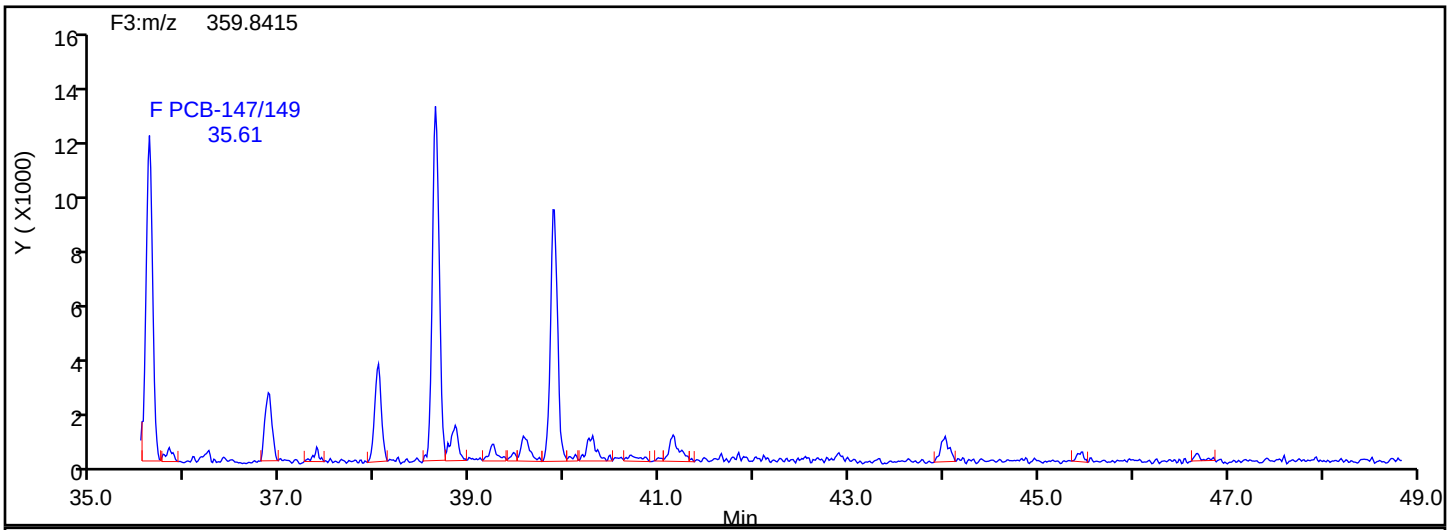

HxPCB F3 Standards

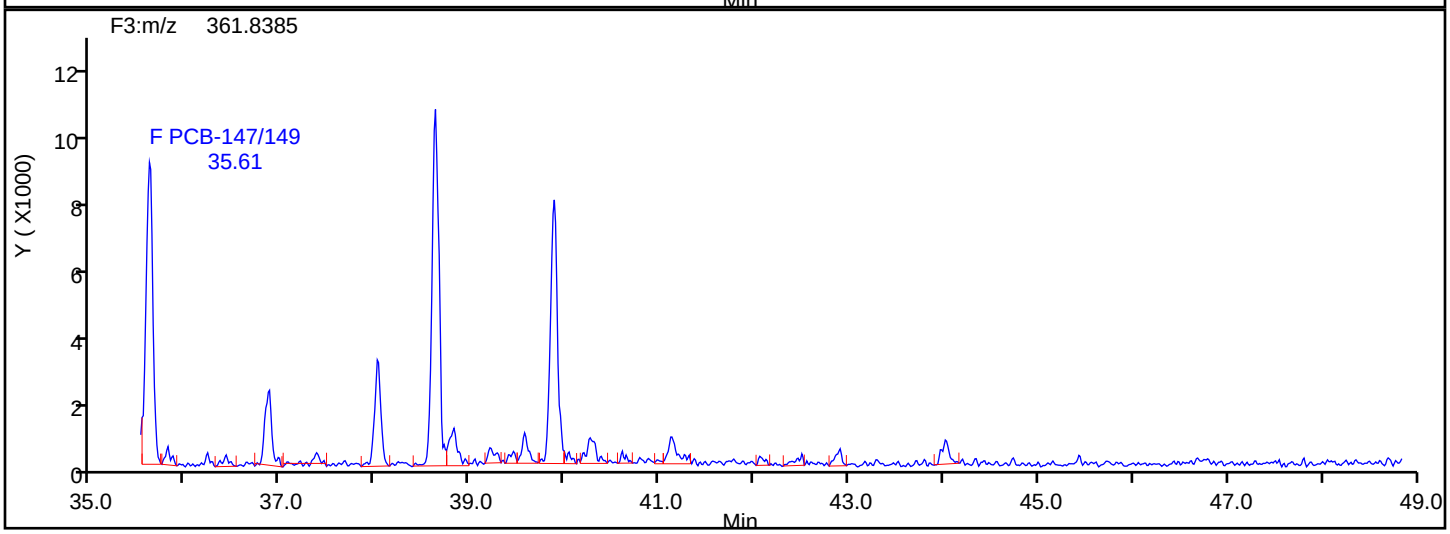


Eurofins TestAmerica, Knoxville

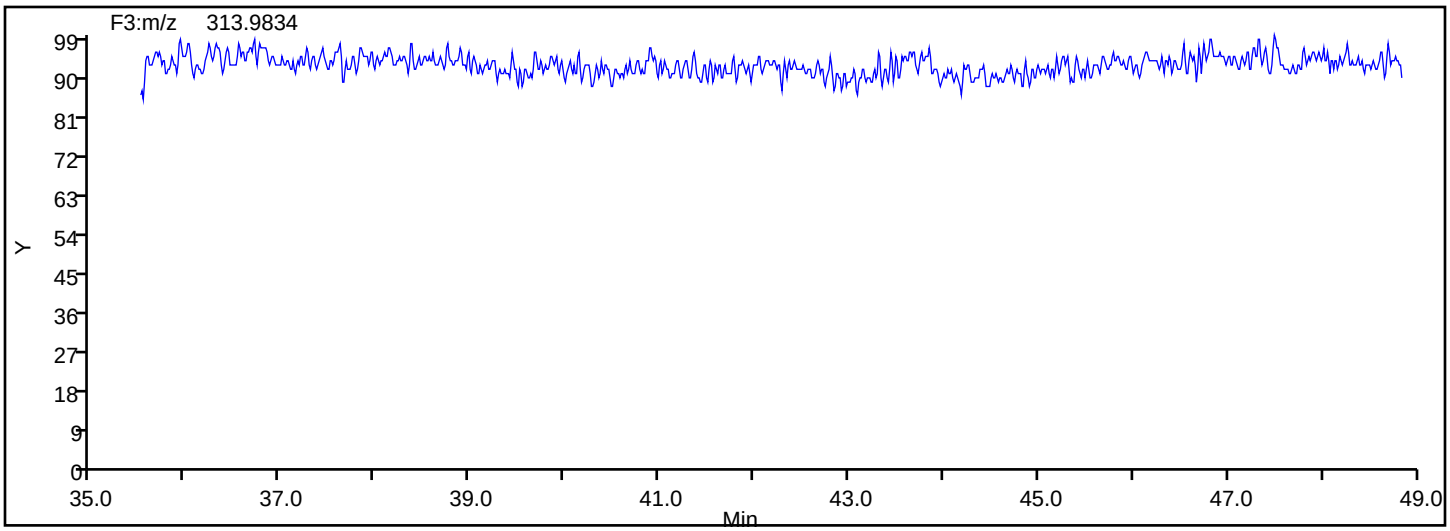
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

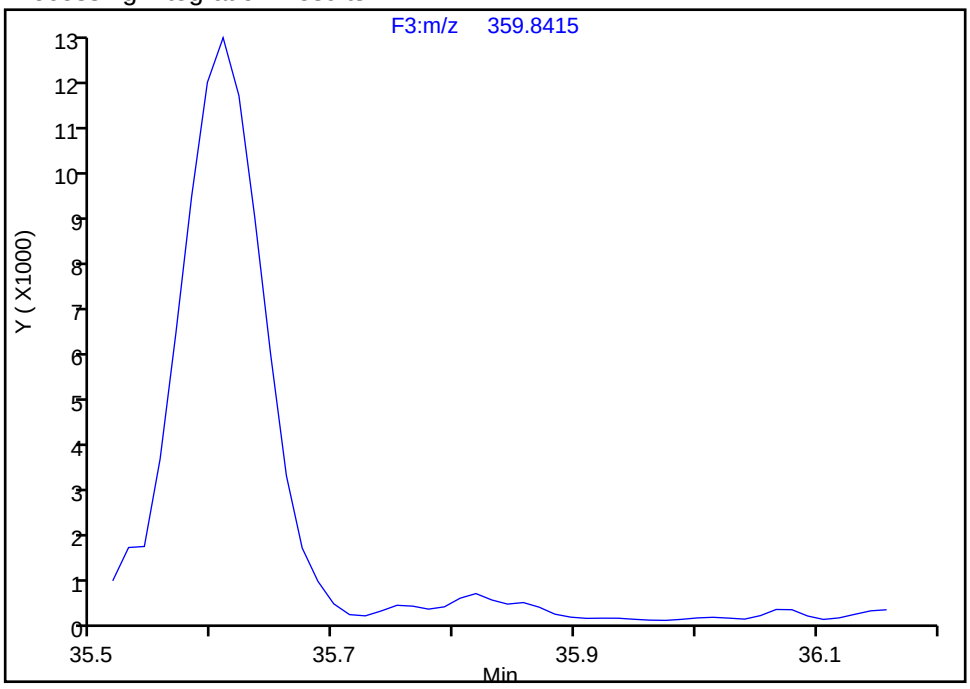
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

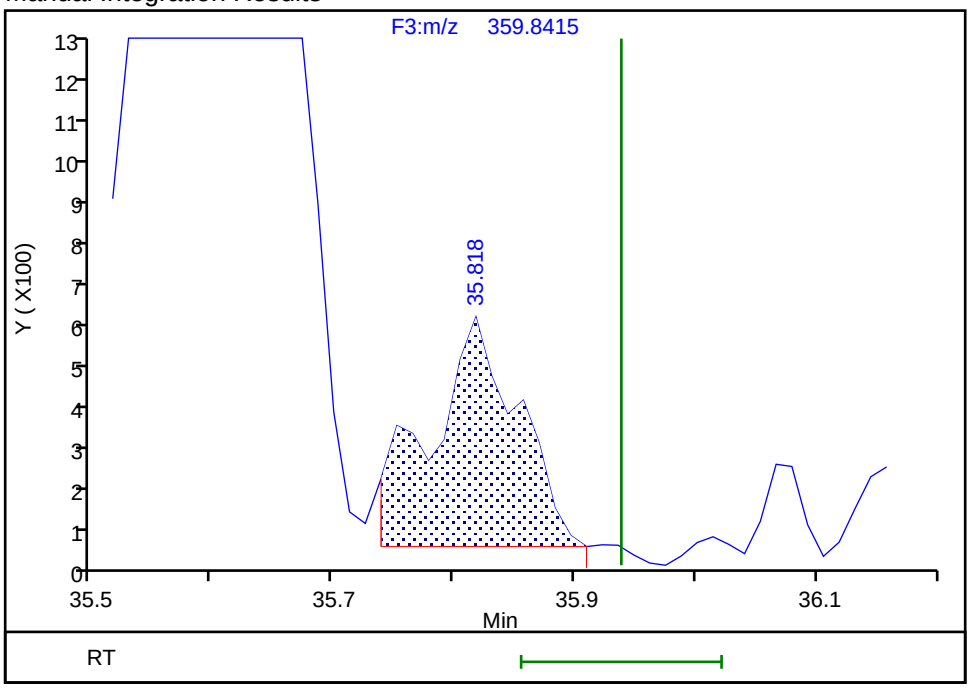
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.82
Area: 2610
Amount: 0.330071
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:45:46
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

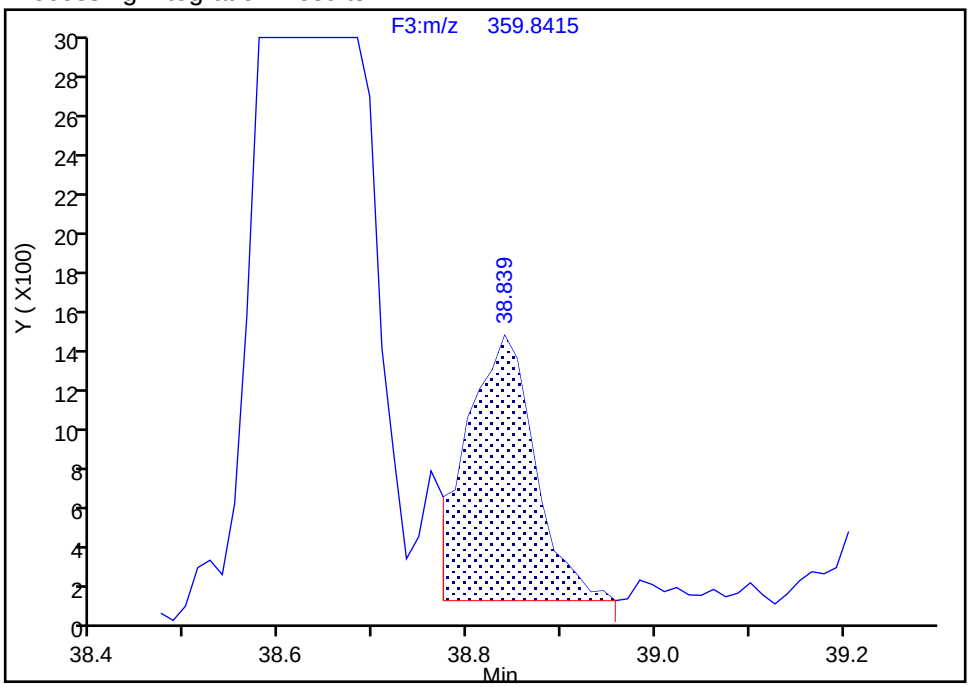
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-141, CAS: 52712-04-6

Signal: 1

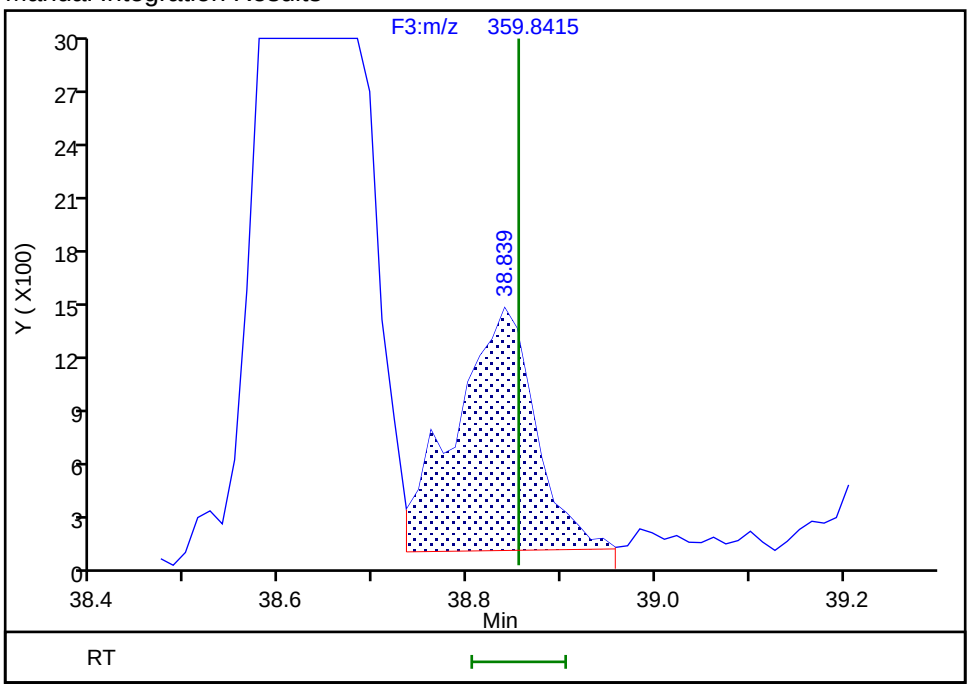
Processing Integration Results

RT: 38.84
Area: 6490
Amount: 0.830133
Amount Units: pg/ul




Manual Integration Results

RT: 38.84
Area: 7722
Amount: 0.906972
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:46:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

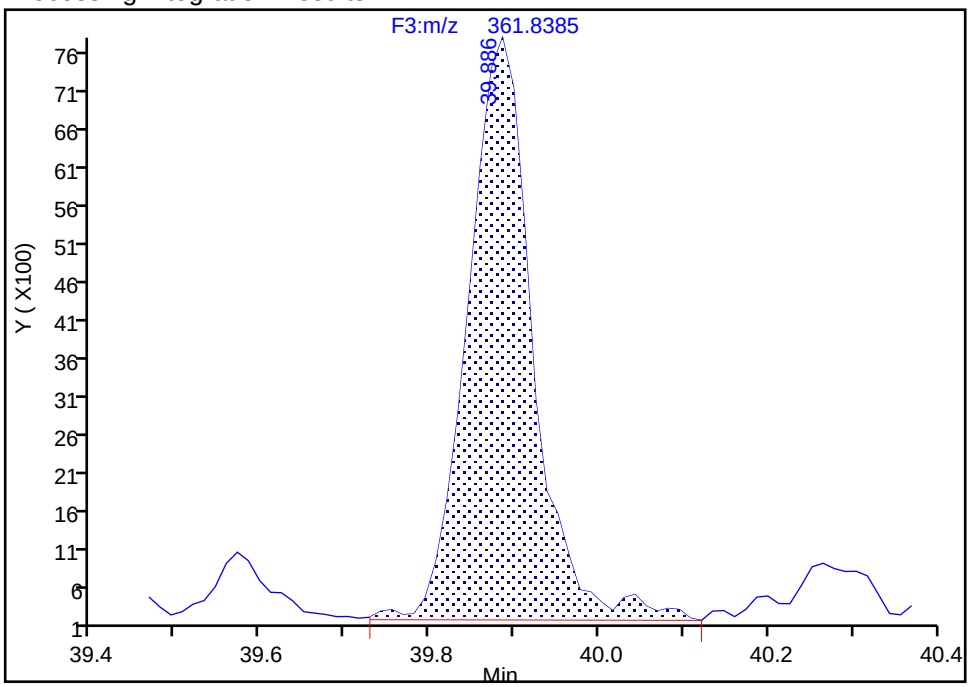
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

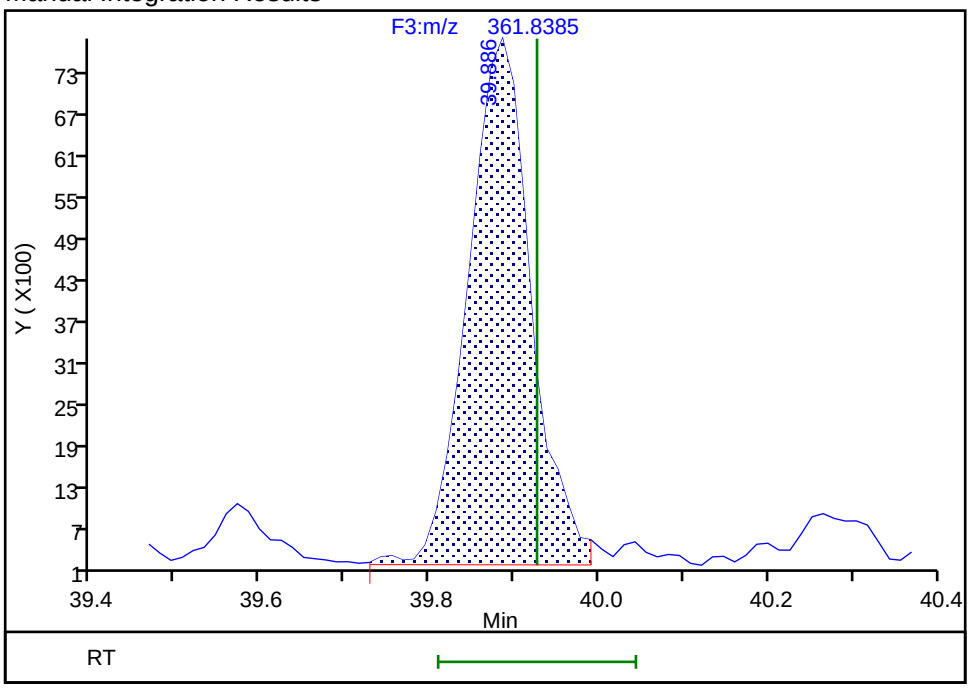
Processing Integration Results

RT: 39.89
Area: 40910
Amount: 5.005193
Amount Units: pg/ul




Manual Integration Results

RT: 39.89
Area: 39494
Amount: 4.872185
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:46:24

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

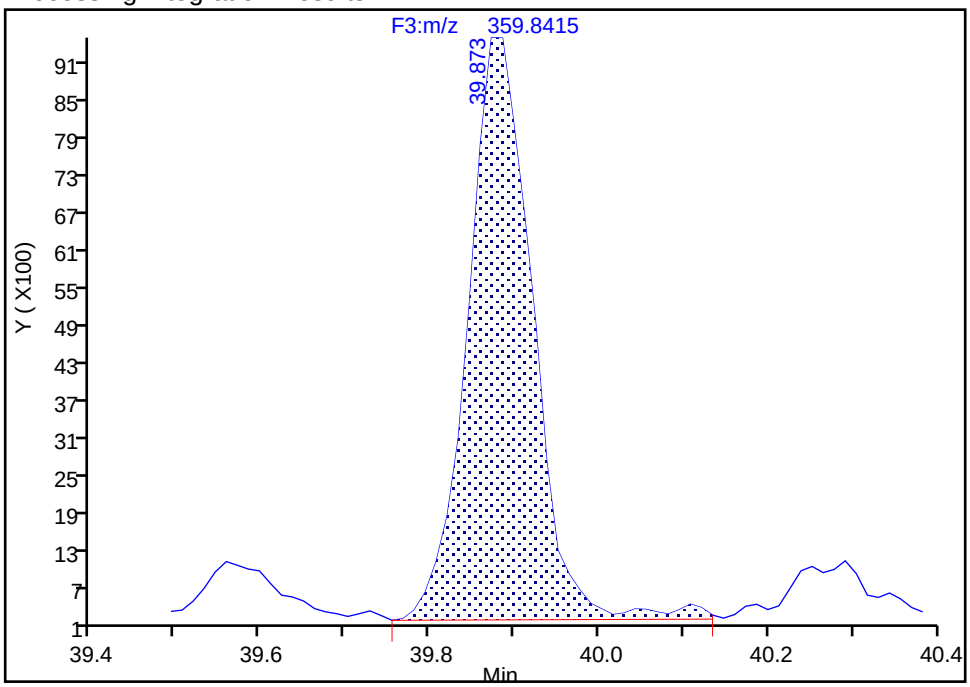
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

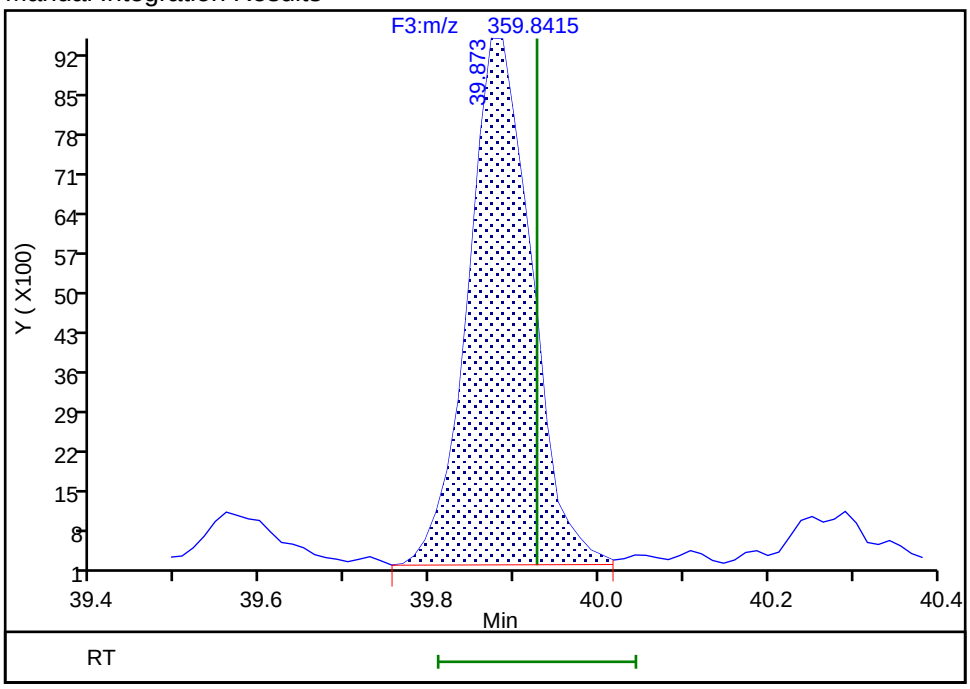
Processing Integration Results

RT: 39.87
Area: 49630
Amount: 5.005193
Amount Units: pg/ul




Manual Integration Results

RT: 39.87
Area: 48640
Amount: 4.872185
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:46:27

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

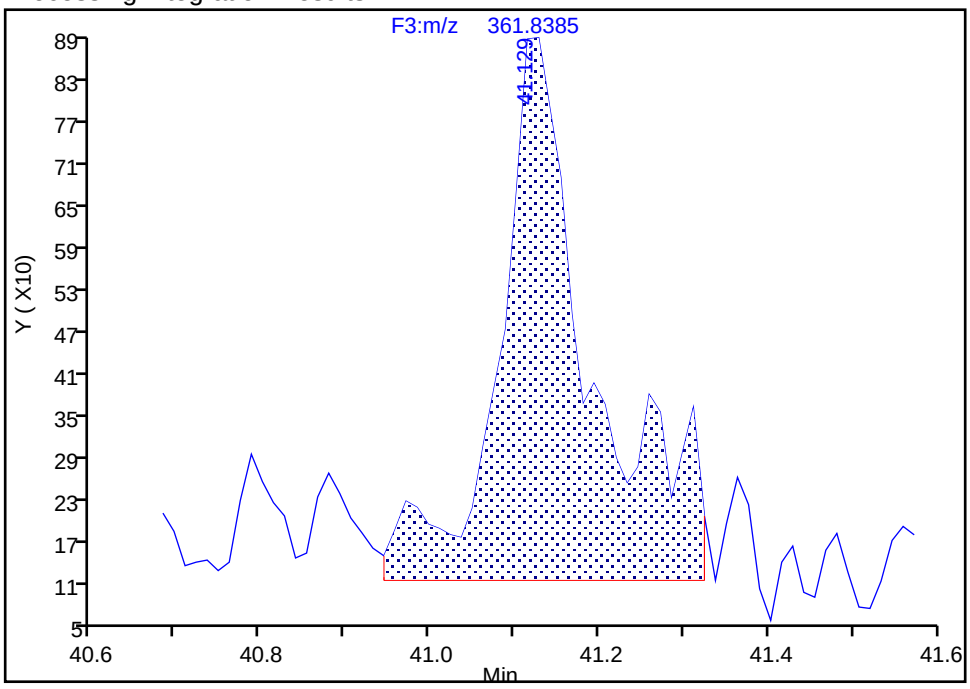
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

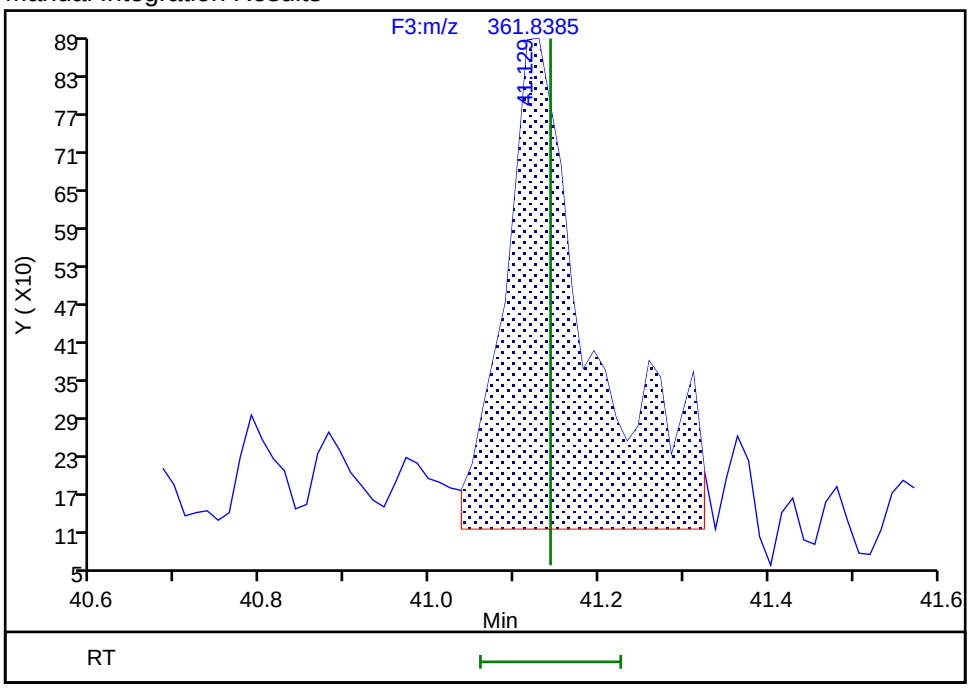
Processing Integration Results

RT: 41.13
Area: 5962
Amount: 0.728976
Amount Units: pg/ul




Manual Integration Results

RT: 41.13
Area: 5525
Amount: 0.667897
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:46:41

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

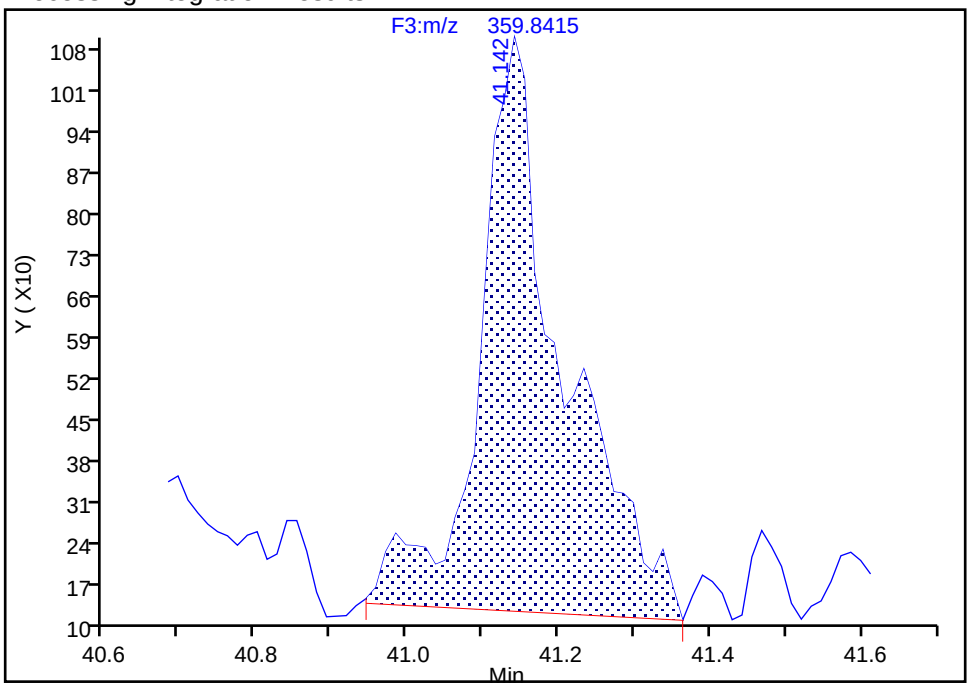
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

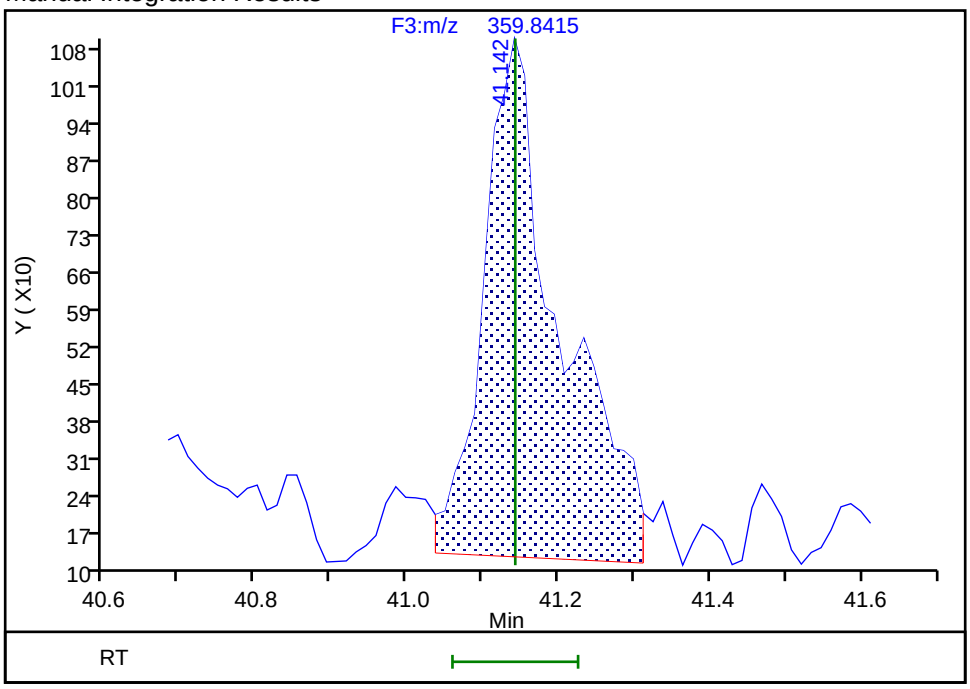
Processing Integration Results

RT: 41.14
Area: 7620
Amount: 0.728976
Amount Units: pg/ul




Manual Integration Results

RT: 41.14
Area: 6919
Amount: 0.667897
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:46:45

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

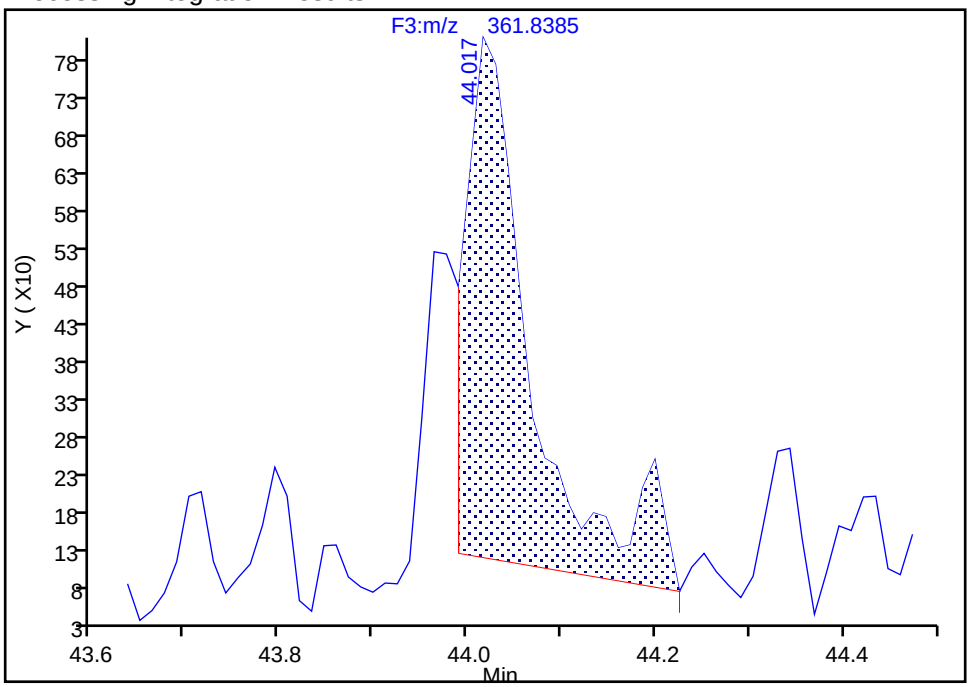
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-156/157, CAS: STL01792

Signal: 2

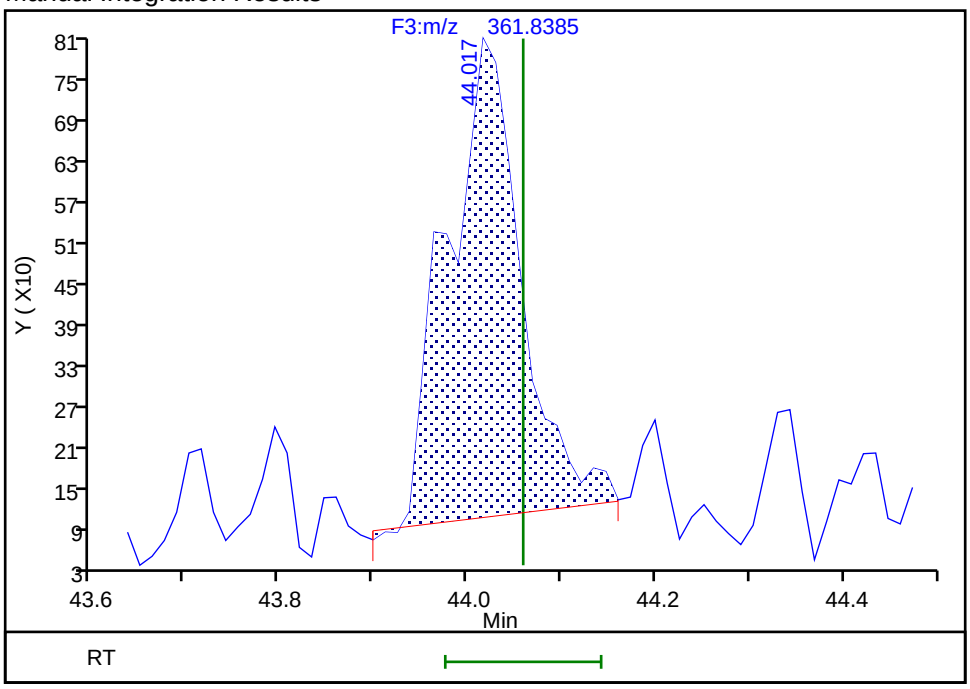
Processing Integration Results

RT: 44.02
Area: 3253
Amount: 0.437528
Amount Units: pg/ul




Manual Integration Results

RT: 44.02
Area: 3784
Amount: 0.463039
Amount Units: pg/ul



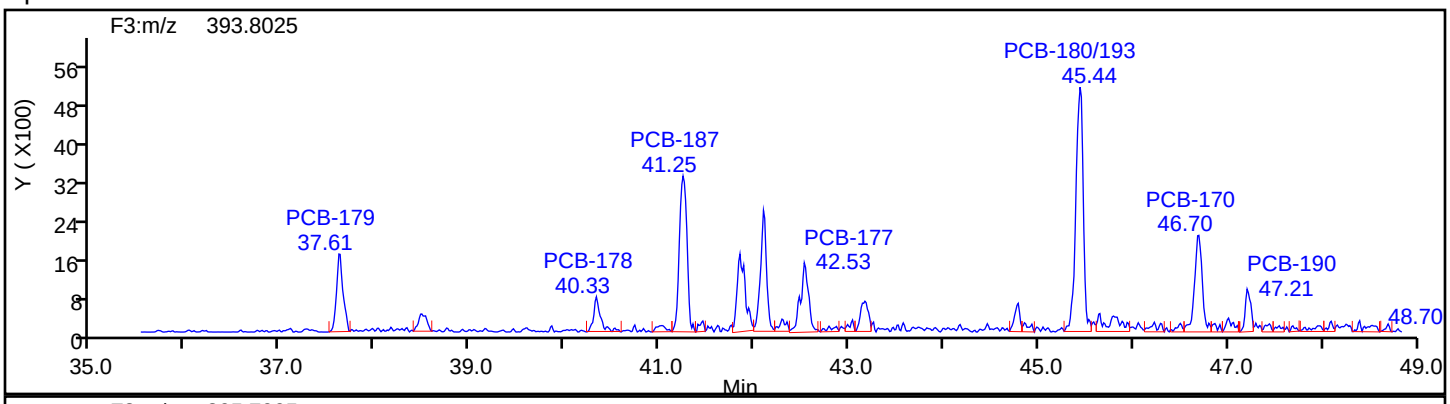

Reviewer: davidsonm, 10-Oct-2019 10:48:22

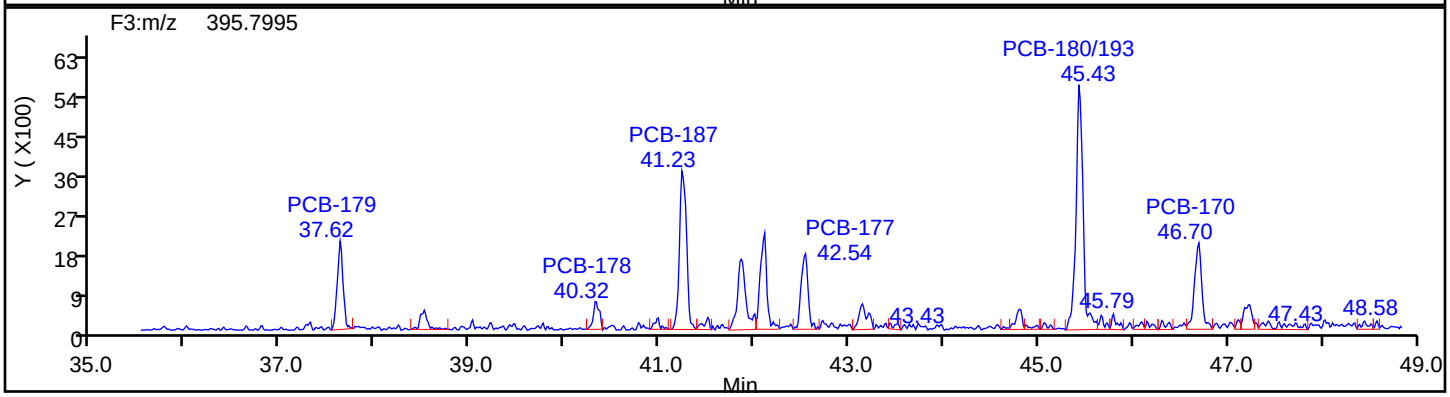
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

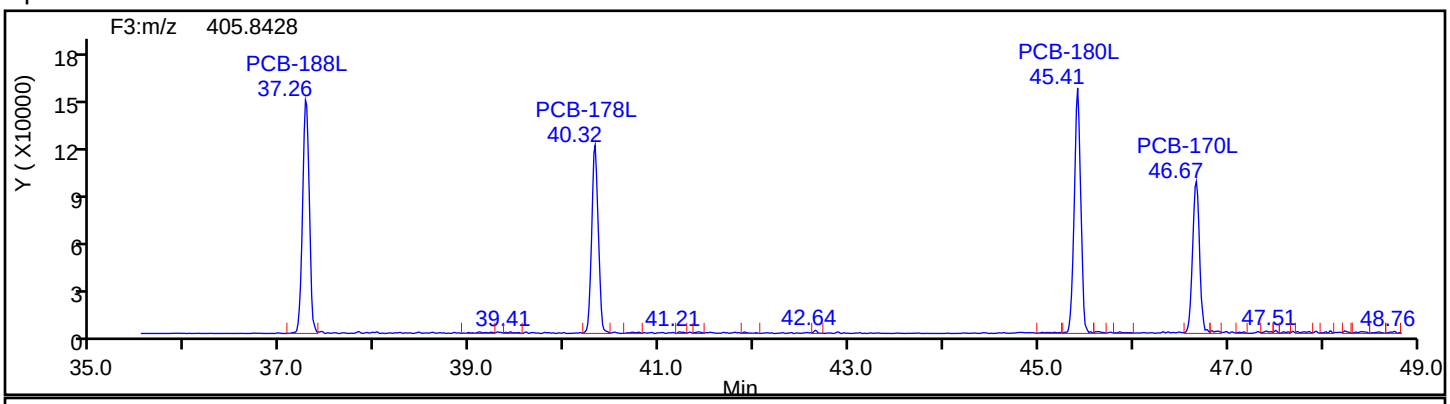
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

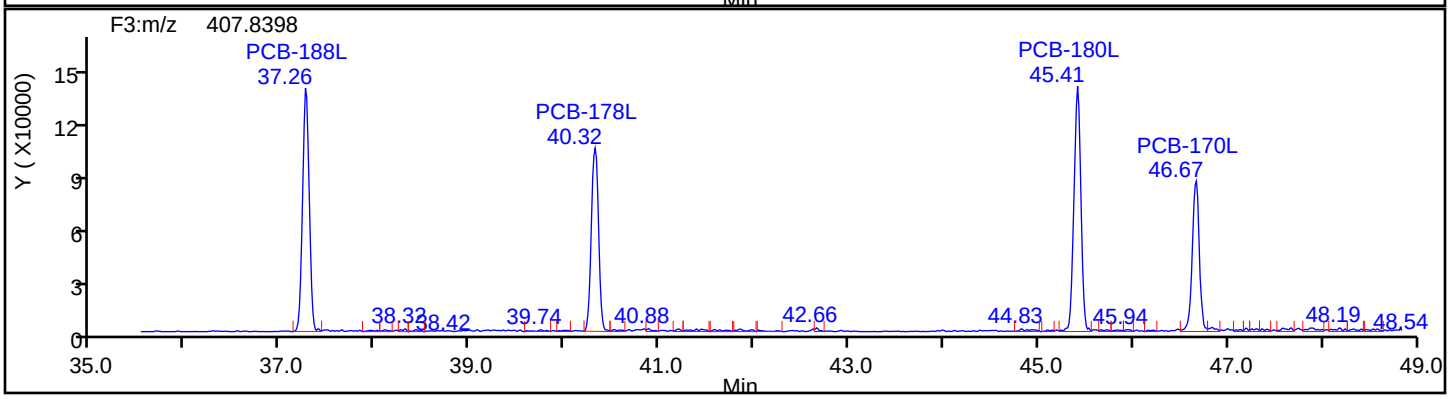
HpPCB F3




HpPCB F3 Standards

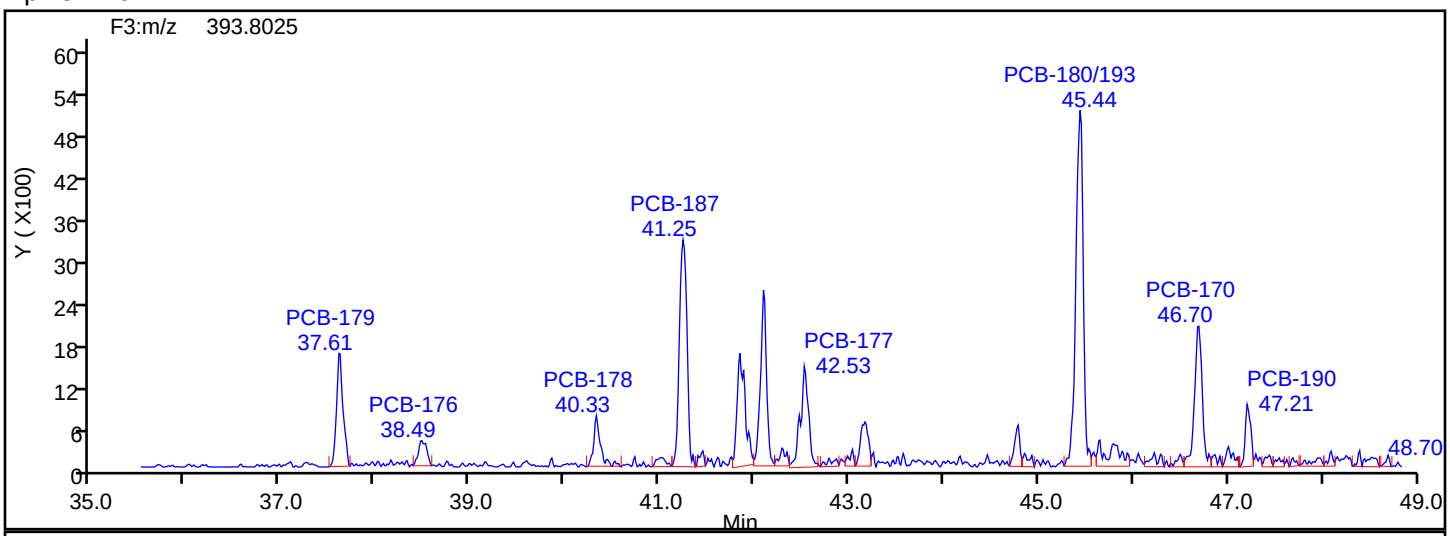


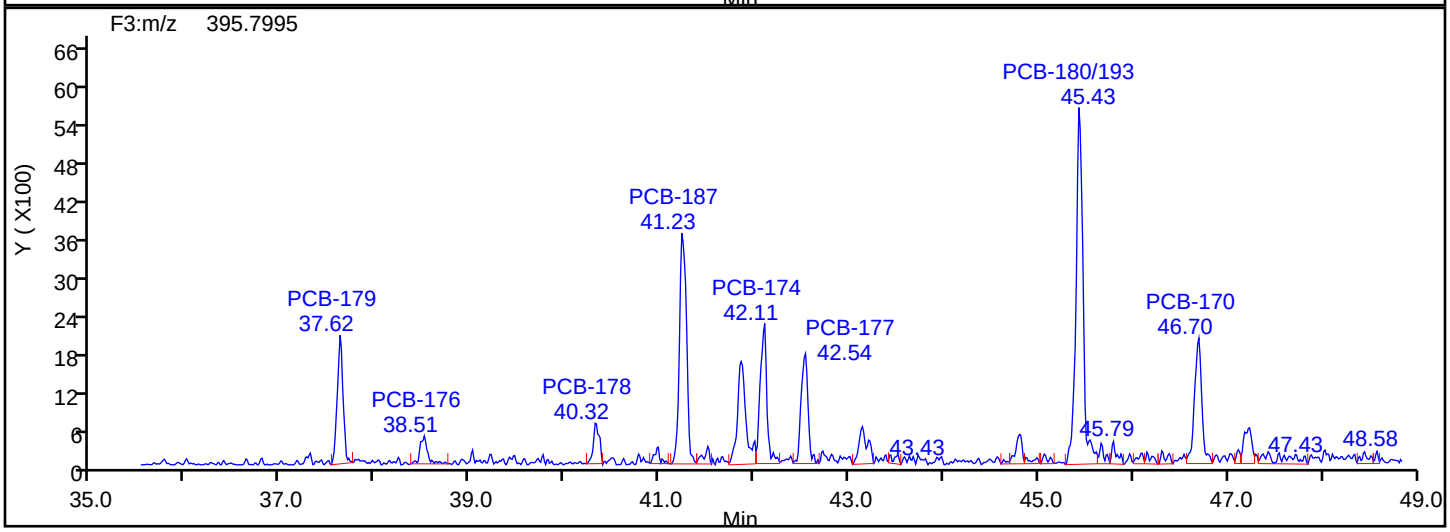



Eurofins TestAmerica, Knoxville

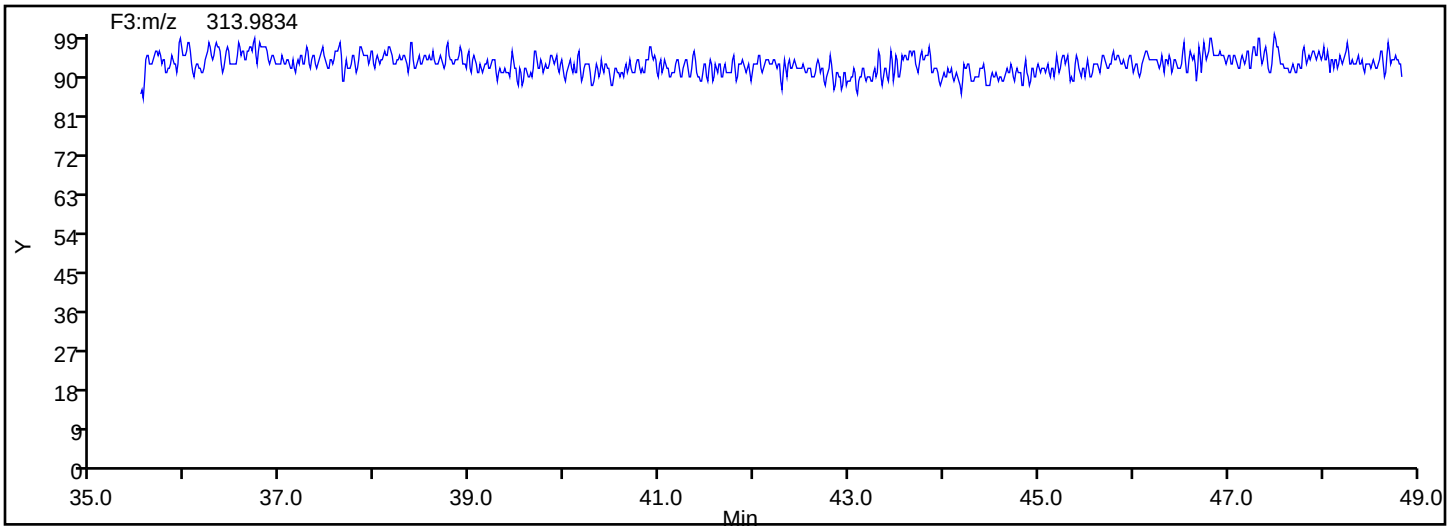
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

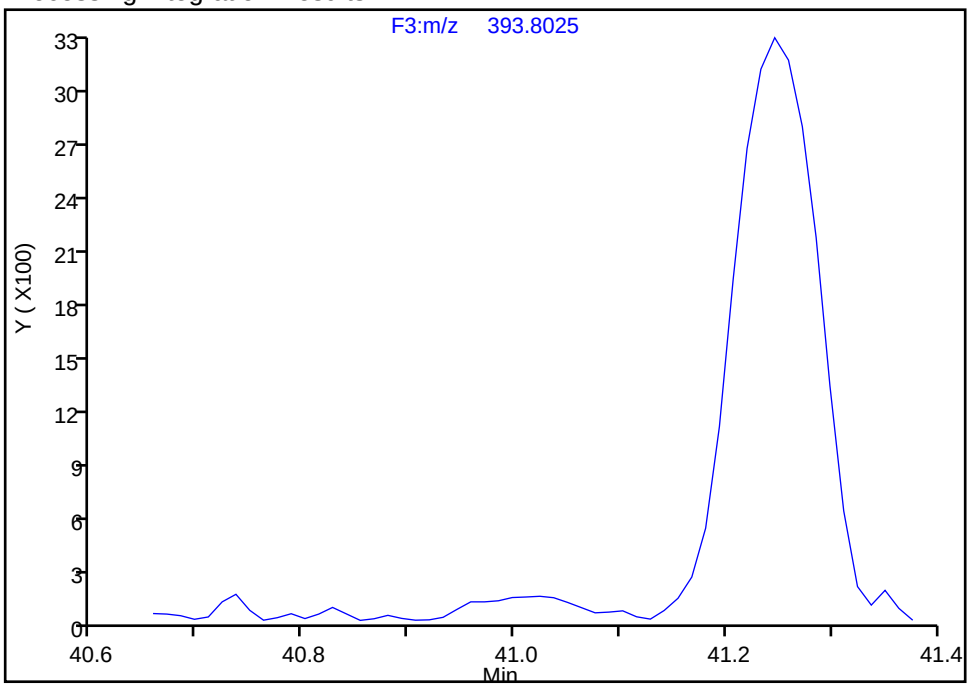
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-175, CAS: 40186-70-7

Signal: 1

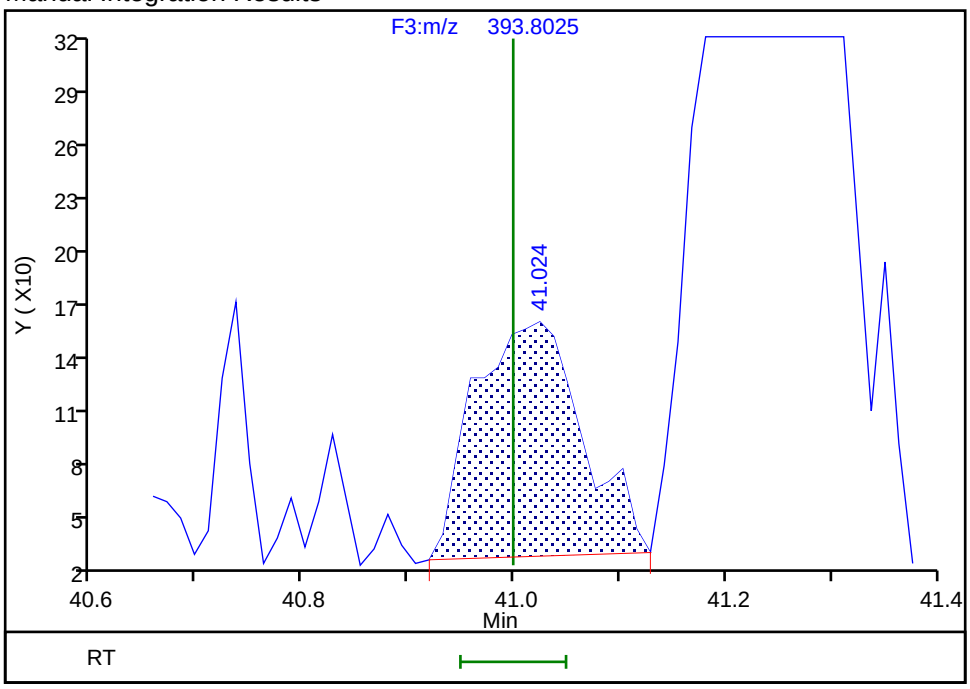
Not Detected
Expected RT: 41.00

Processing Integration Results




Manual Integration Results

RT: 41.02
Area: 916
Amount: 0.158642
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:48:39
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

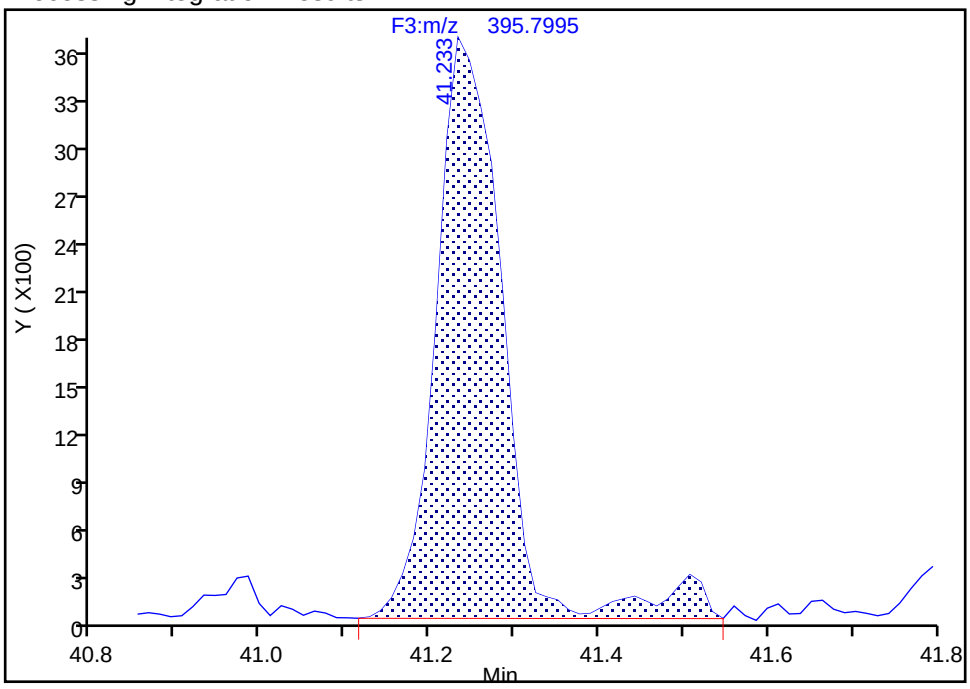
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-187, CAS: 52663-68-0

Signal: 2

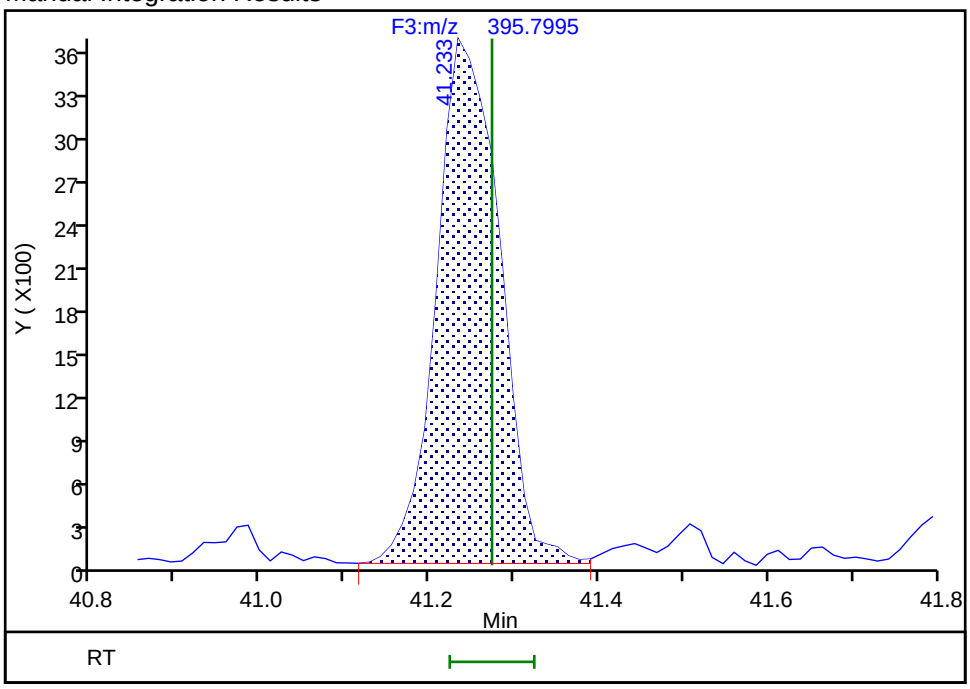
Processing Integration Results

RT: 41.23
Area: 20066
Amount: 2.978611
Amount Units: pg/ul




Manual Integration Results

RT: 41.23
Area: 18887
Amount: 2.886805
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:49:01

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

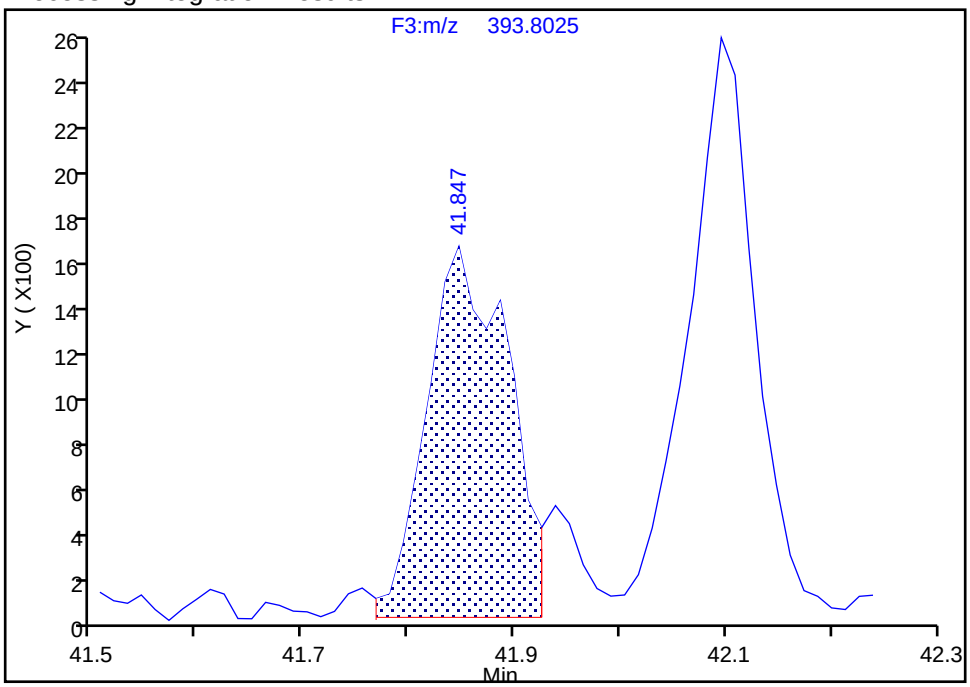
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

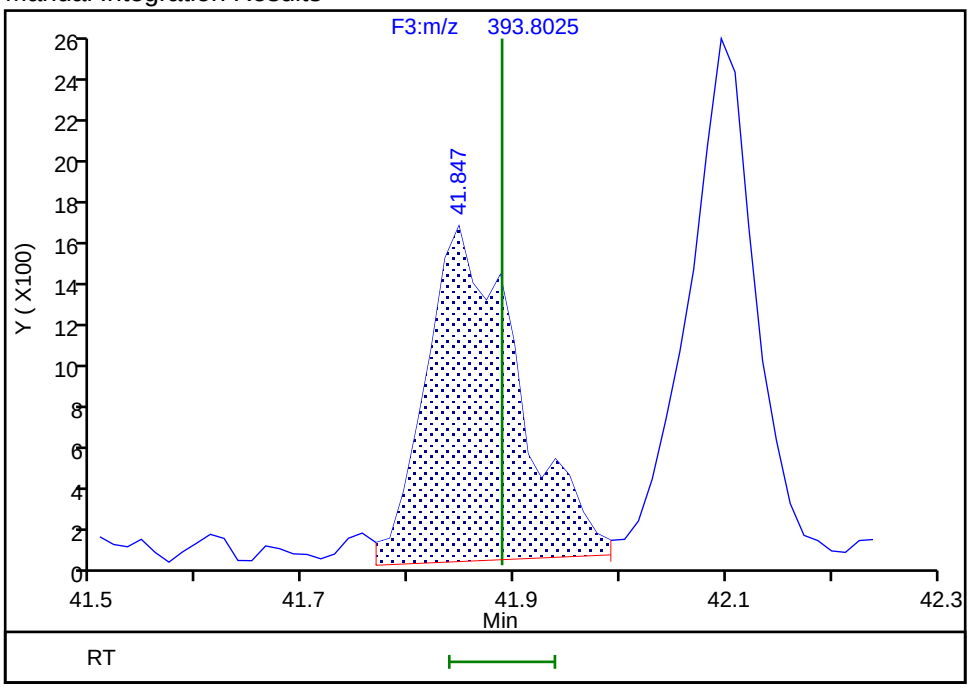
Processing Integration Results

RT: 41.85
Area: 8541
Amount: 1.419073
Amount Units: pg/ul




Manual Integration Results

RT: 41.85
Area: 9746
Amount: 1.530135
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:49:22

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

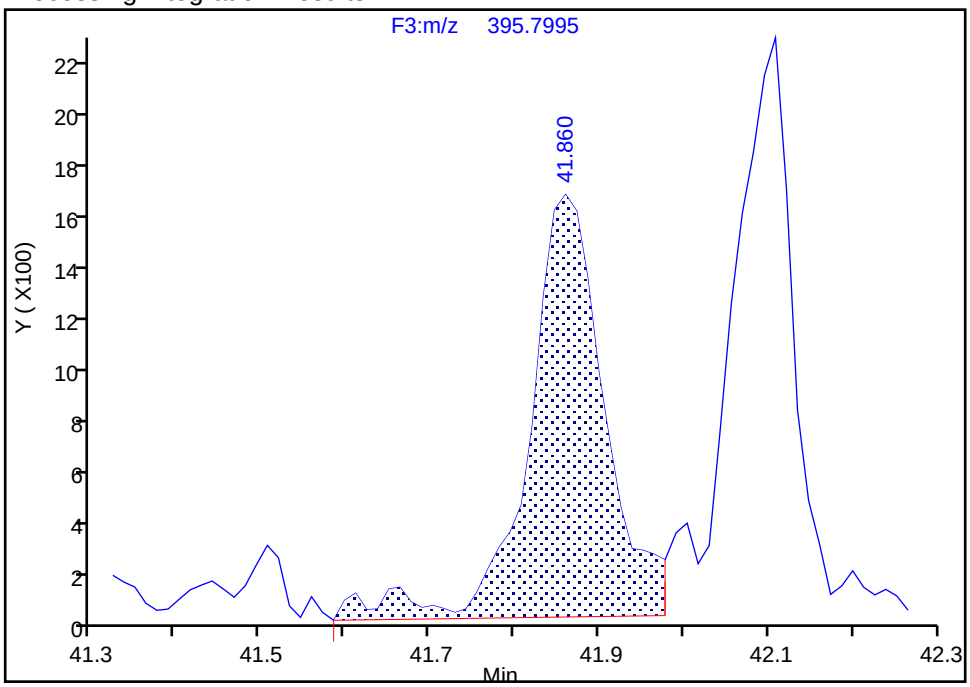
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

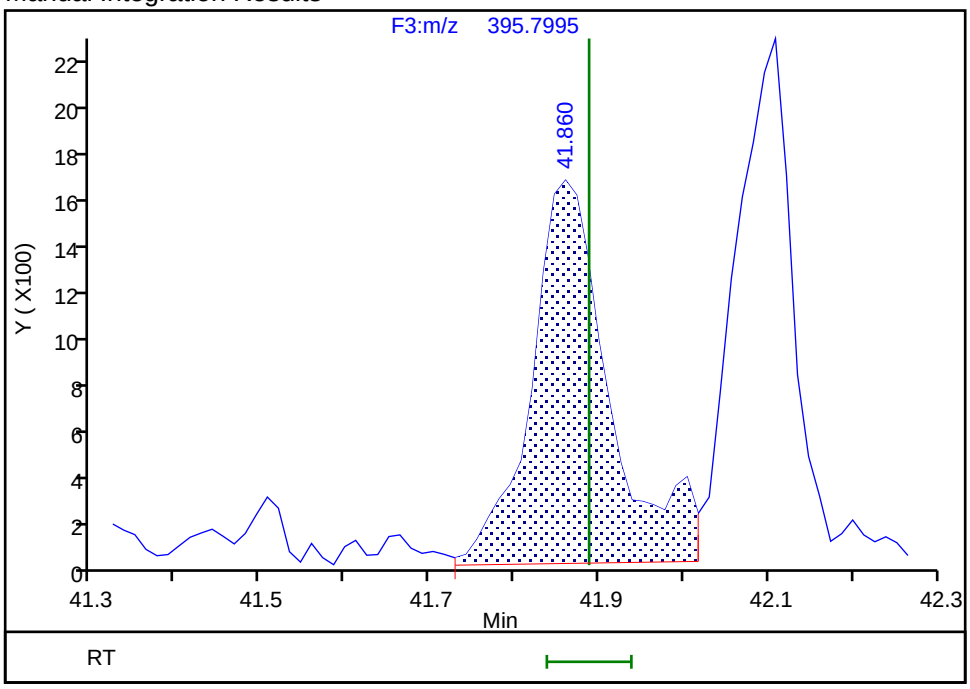
Processing Integration Results

RT: 41.86
Area: 10114
Amount: 1.419073
Amount Units: pg/ul




Manual Integration Results

RT: 41.86
Area: 10369
Amount: 1.530135
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:49:28
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

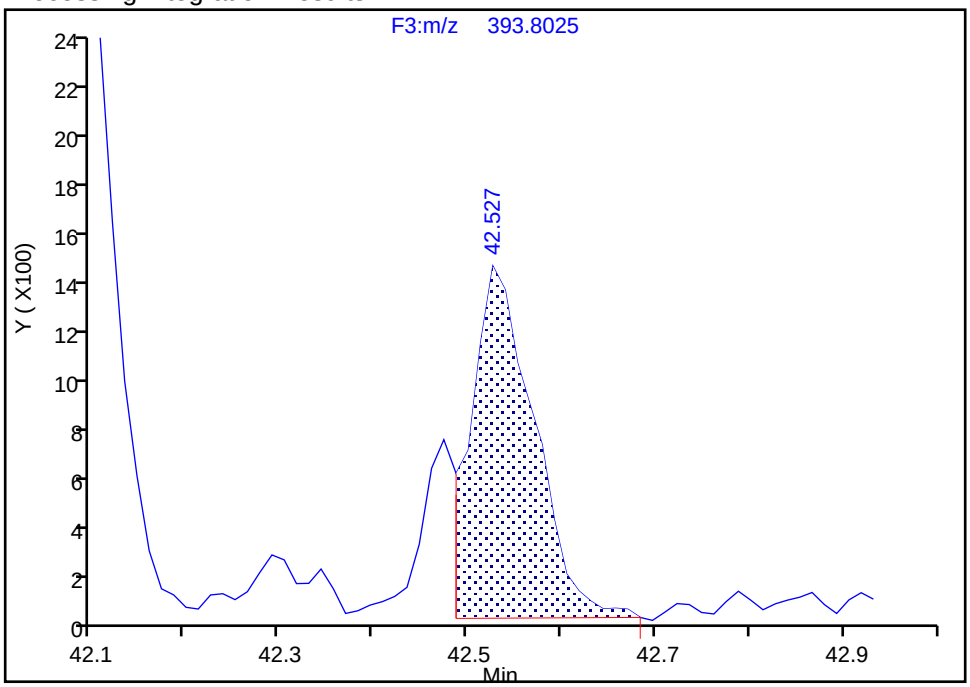
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-177, CAS: 52663-70-4

Signal: 1

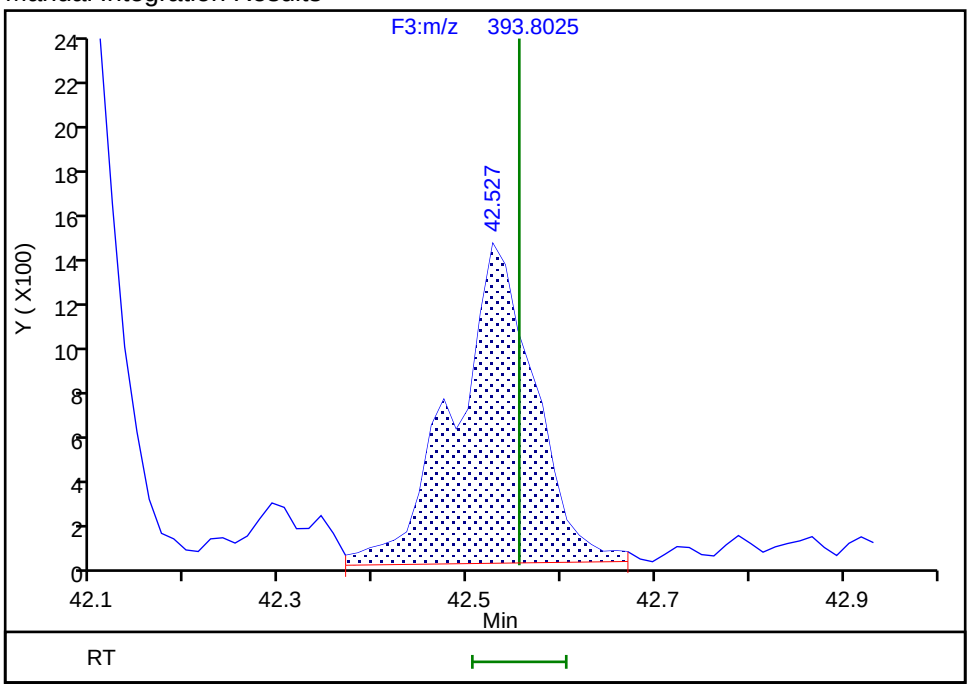
Processing Integration Results

RT: 42.53
Area: 6516
Amount: 1.413031
Amount Units: pg/ul




Manual Integration Results

RT: 42.53
Area: 8610
Amount: 1.605154
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:49:37

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

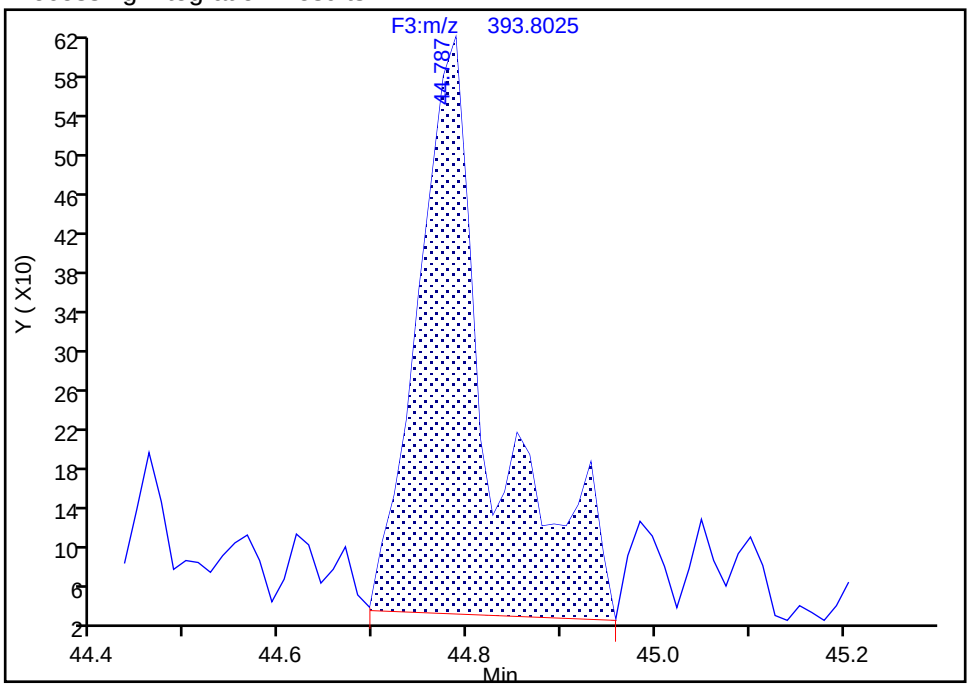
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-172, CAS: 52663-74-8

Signal: 1

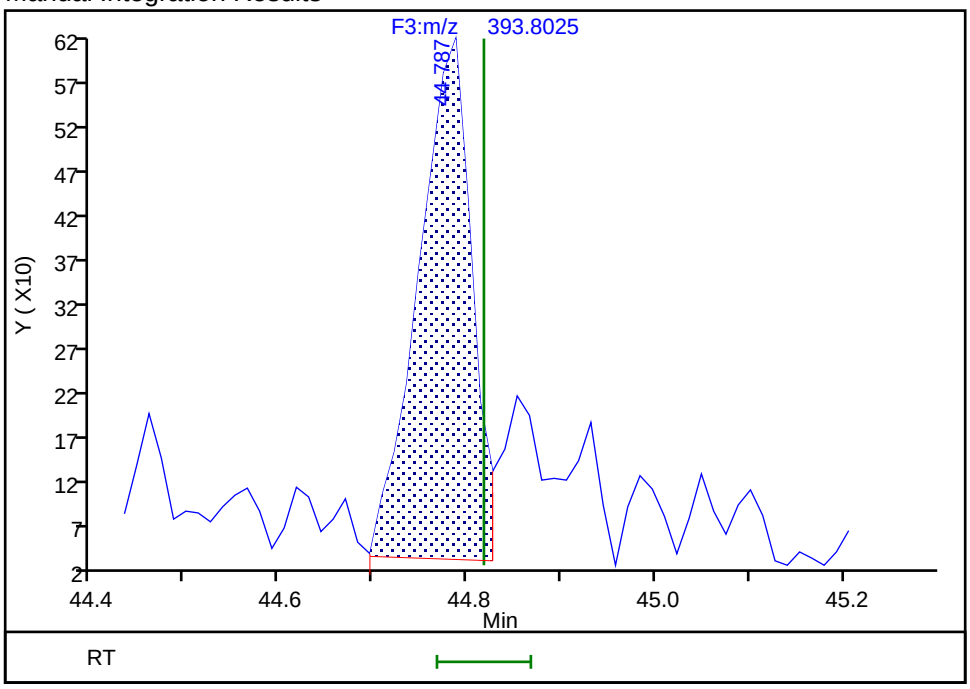
Processing Integration Results

RT: 44.79
Area: 3198
Amount: 0.533891
Amount Units: pg/ul




Manual Integration Results

RT: 44.79
Area: 2291
Amount: 0.390282
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:49:50

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

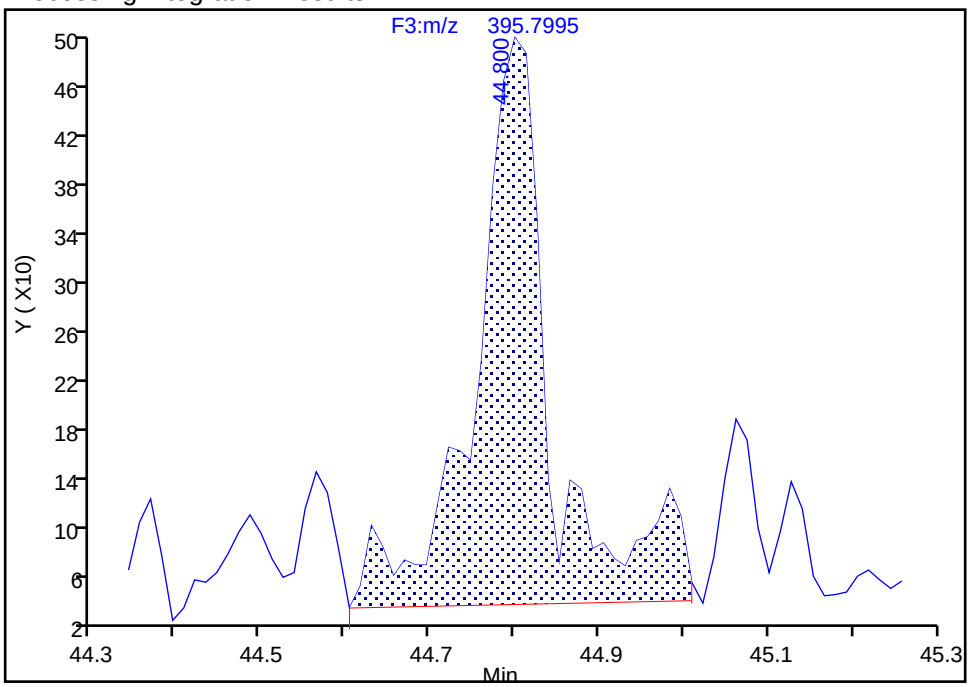
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-172, CAS: 52663-74-8

Signal: 2

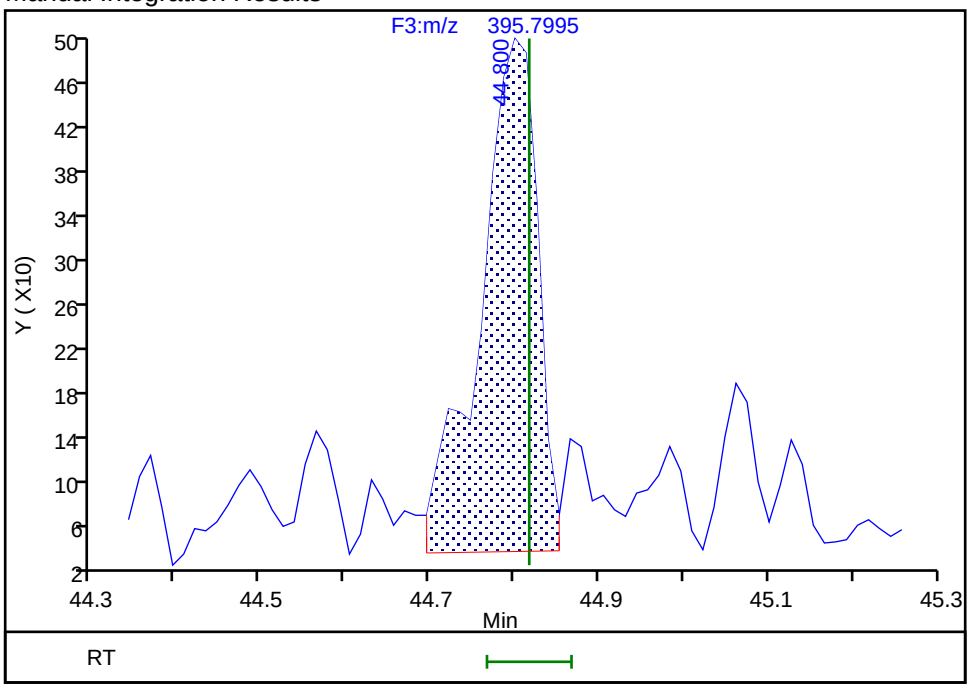
Processing Integration Results

RT: 44.80
Area: 2925
Amount: 0.533891
Amount Units: pg/ul




Manual Integration Results

RT: 44.80
Area: 2185
Amount: 0.390282
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:49:55

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

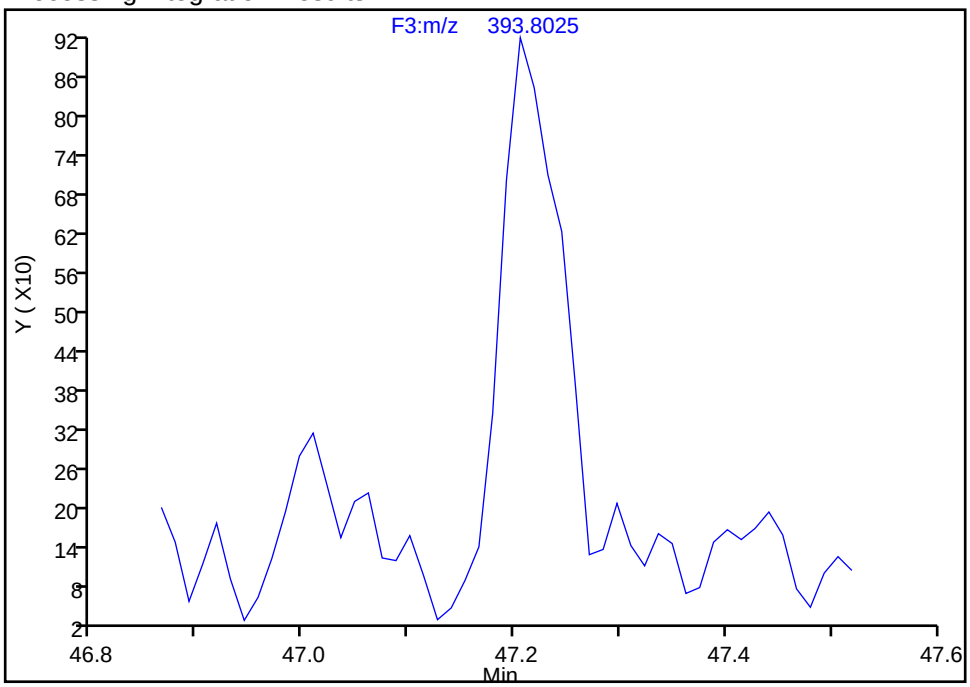
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-190, CAS: 41411-64-7

Signal: 1

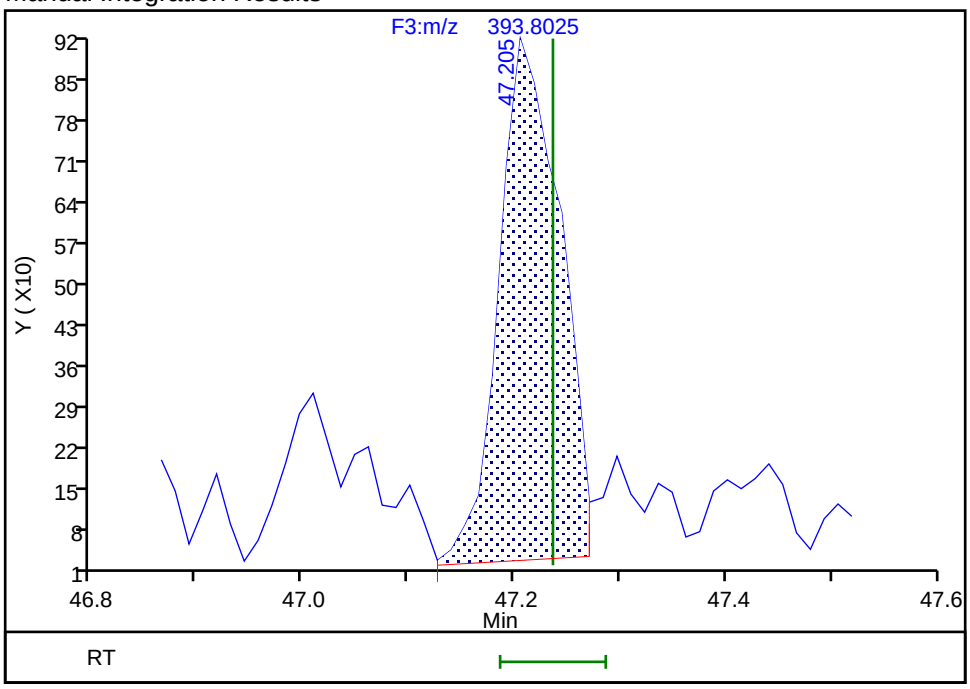
Not Detected
Expected RT: 47.24

Processing Integration Results




Manual Integration Results

RT: 47.21
Area: 3565
Amount: 0.431206
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:50:34
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

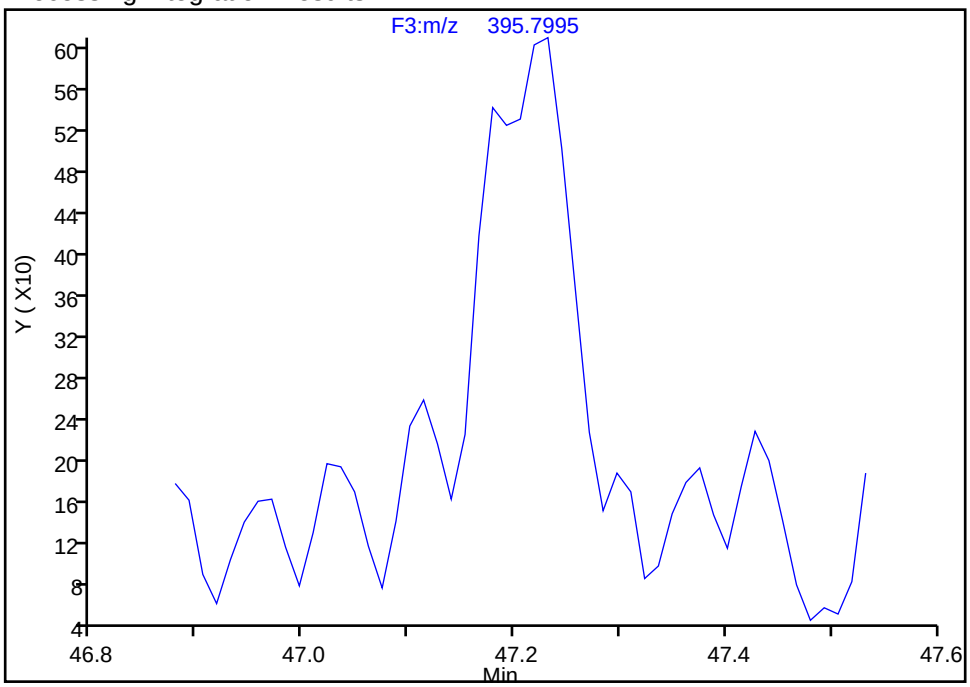
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-190, CAS: 41411-64-7

Signal: 2

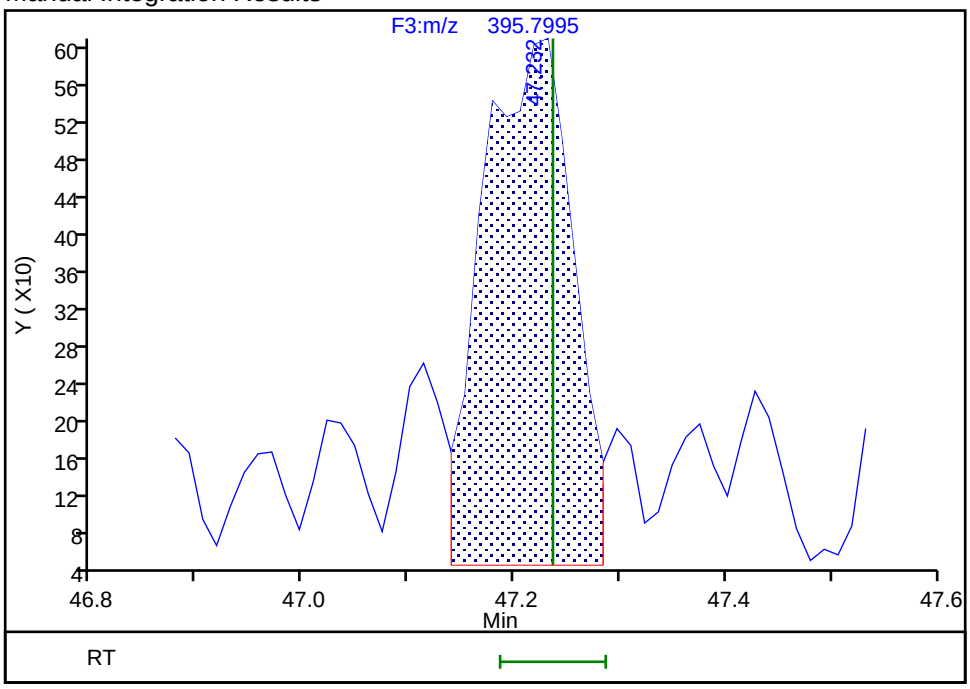
Not Detected
Expected RT: 47.24

Processing Integration Results




Manual Integration Results

RT: 47.23
Area: 3303
Amount: 0.431206
Amount Units: pg/ul

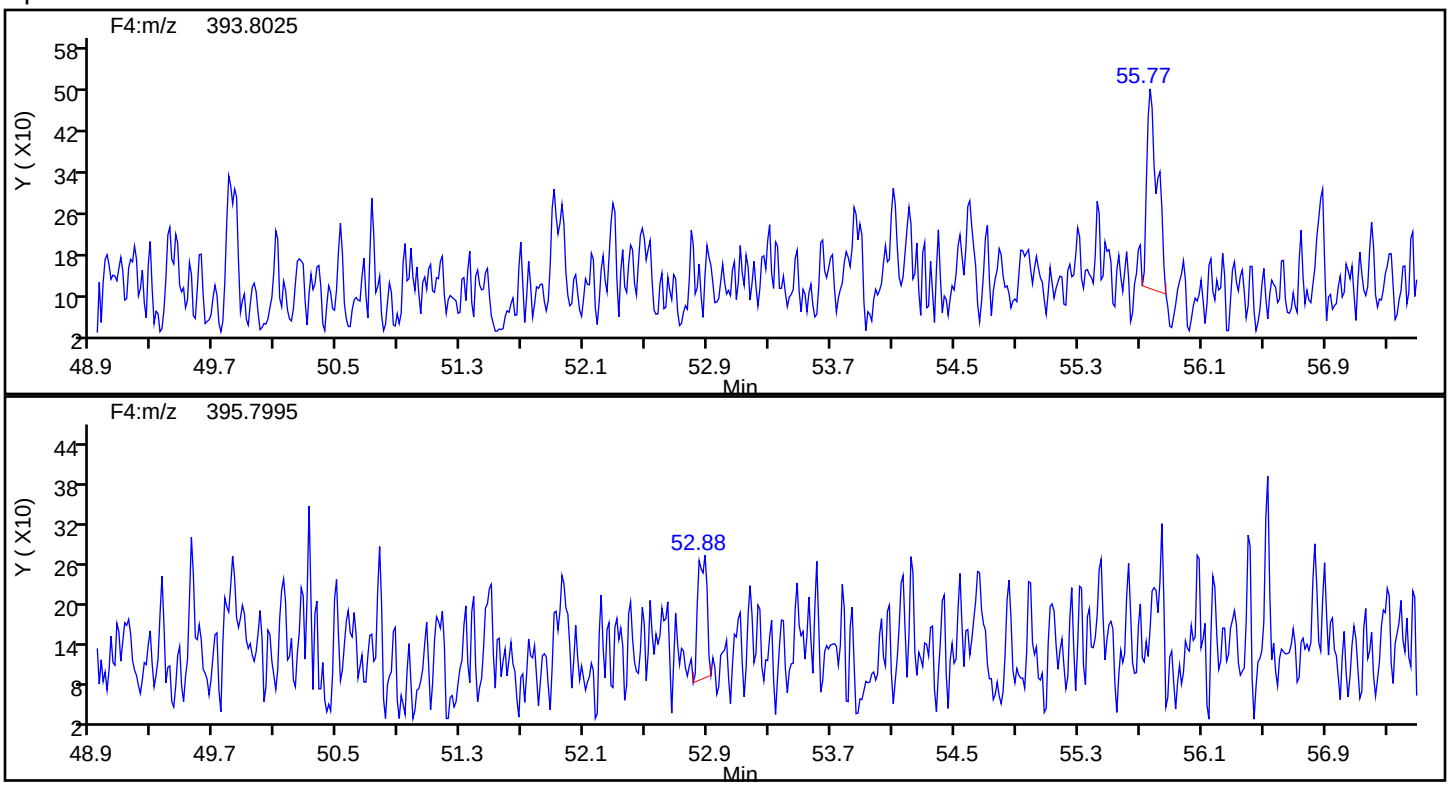



Reviewer: davidsonm, 10-Oct-2019 10:50:34
Audit Action: Manually Integrated Audit Reason: Baseline

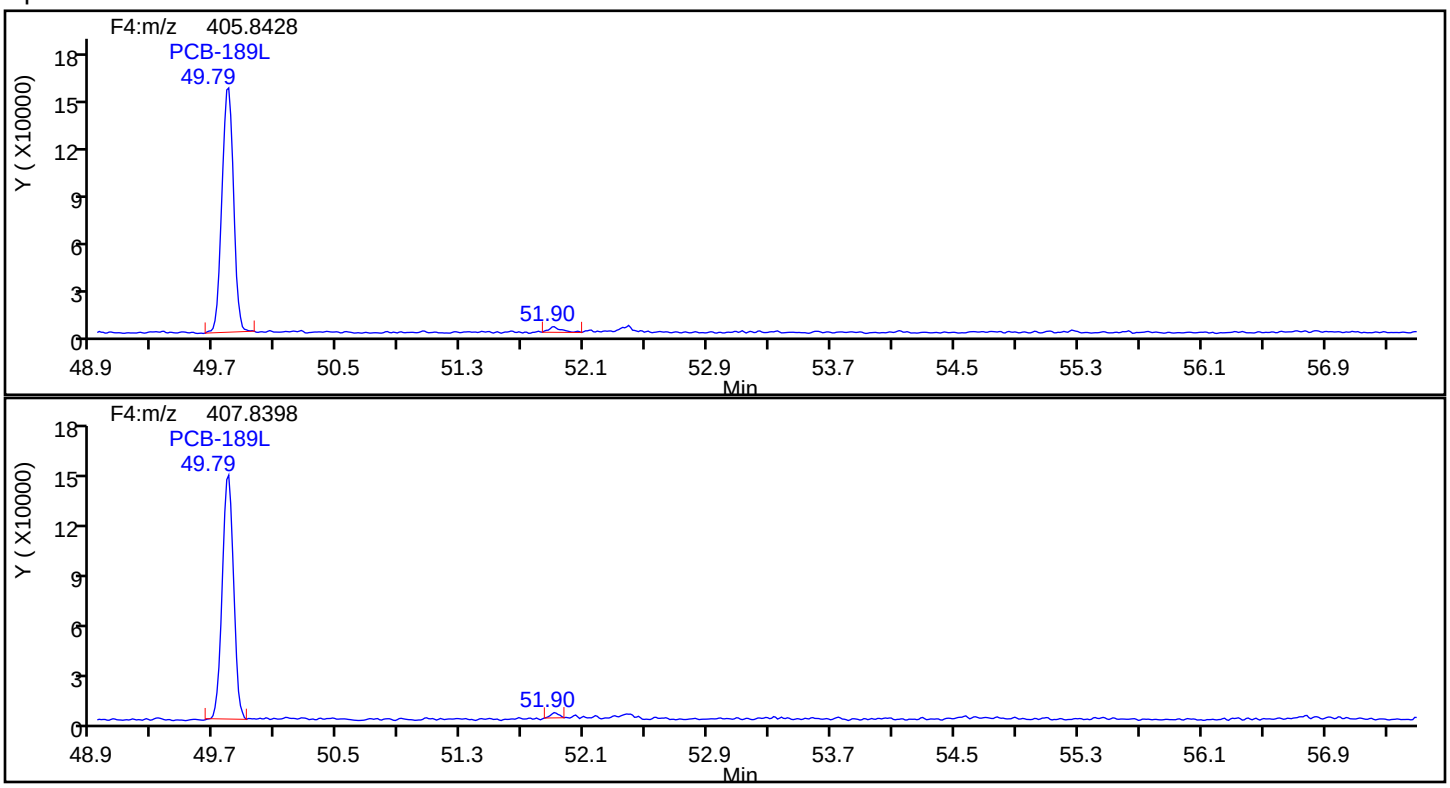
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



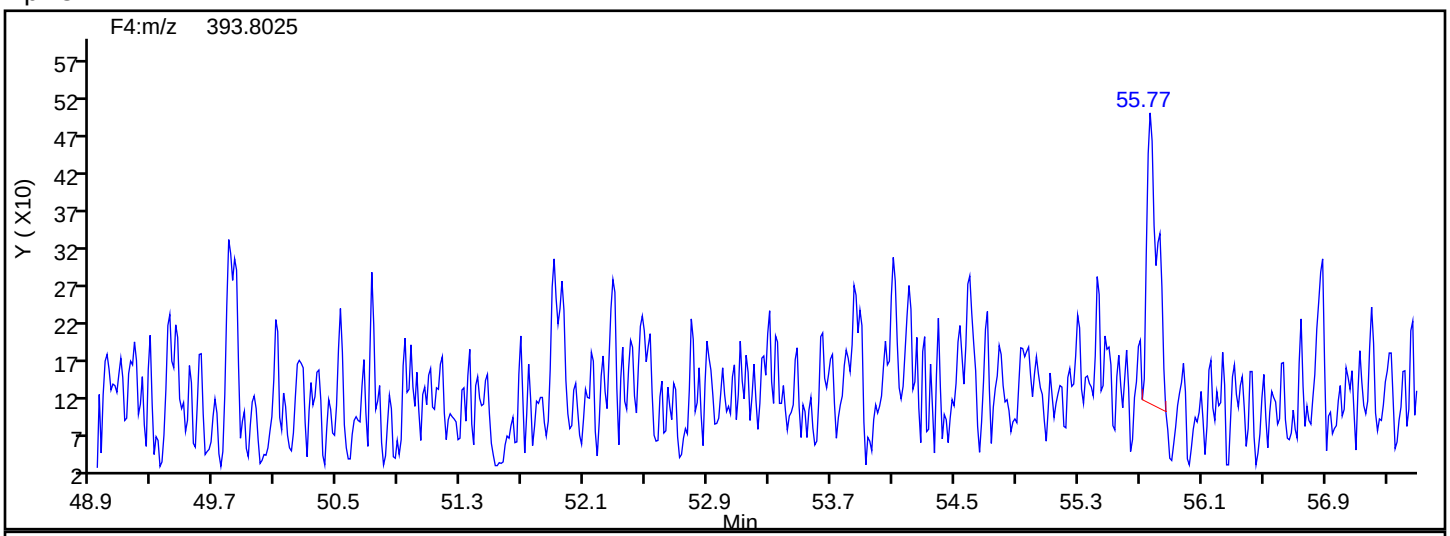

HpPCB F4 Standards

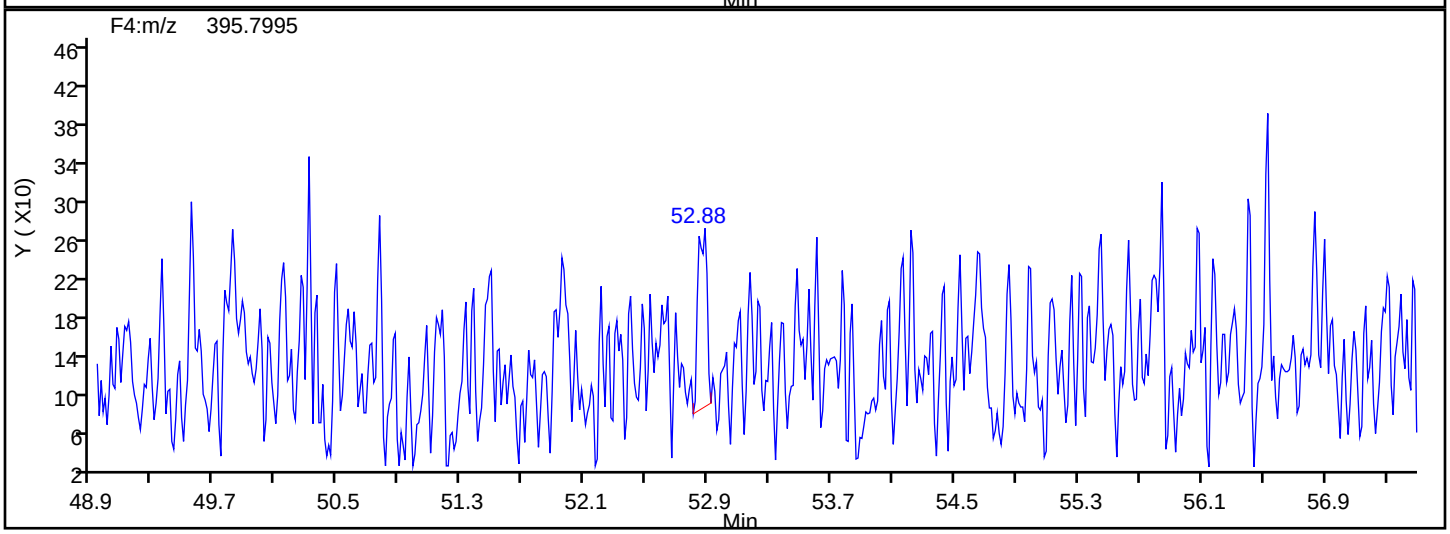


Eurofins TestAmerica, Knoxville

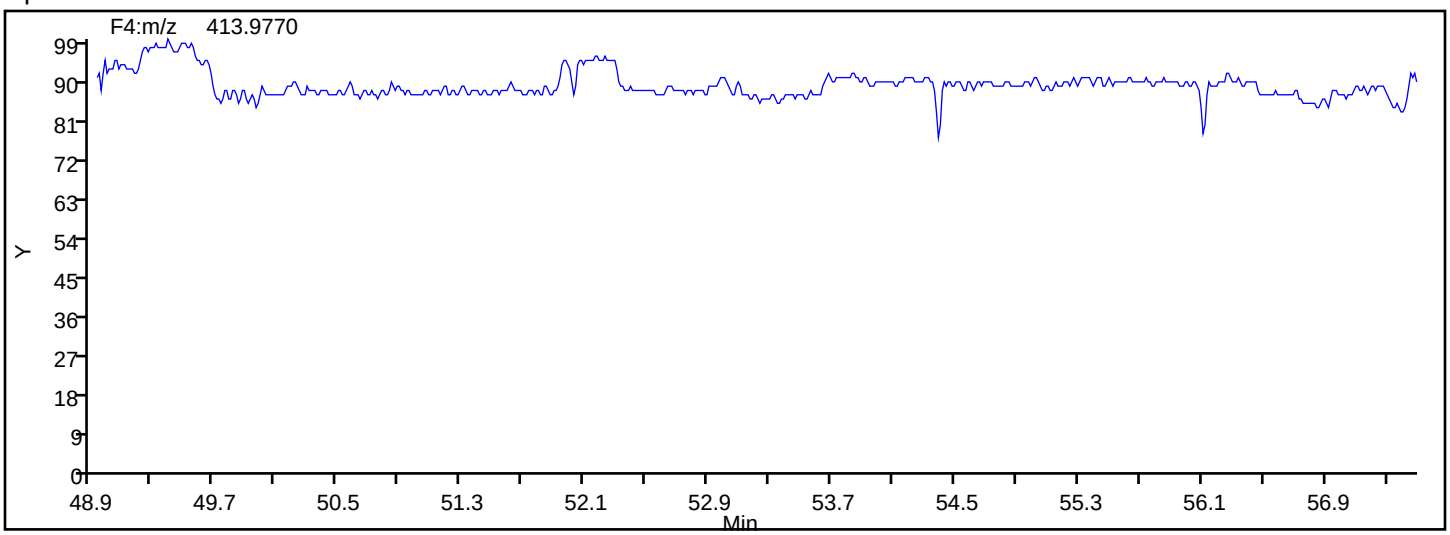
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



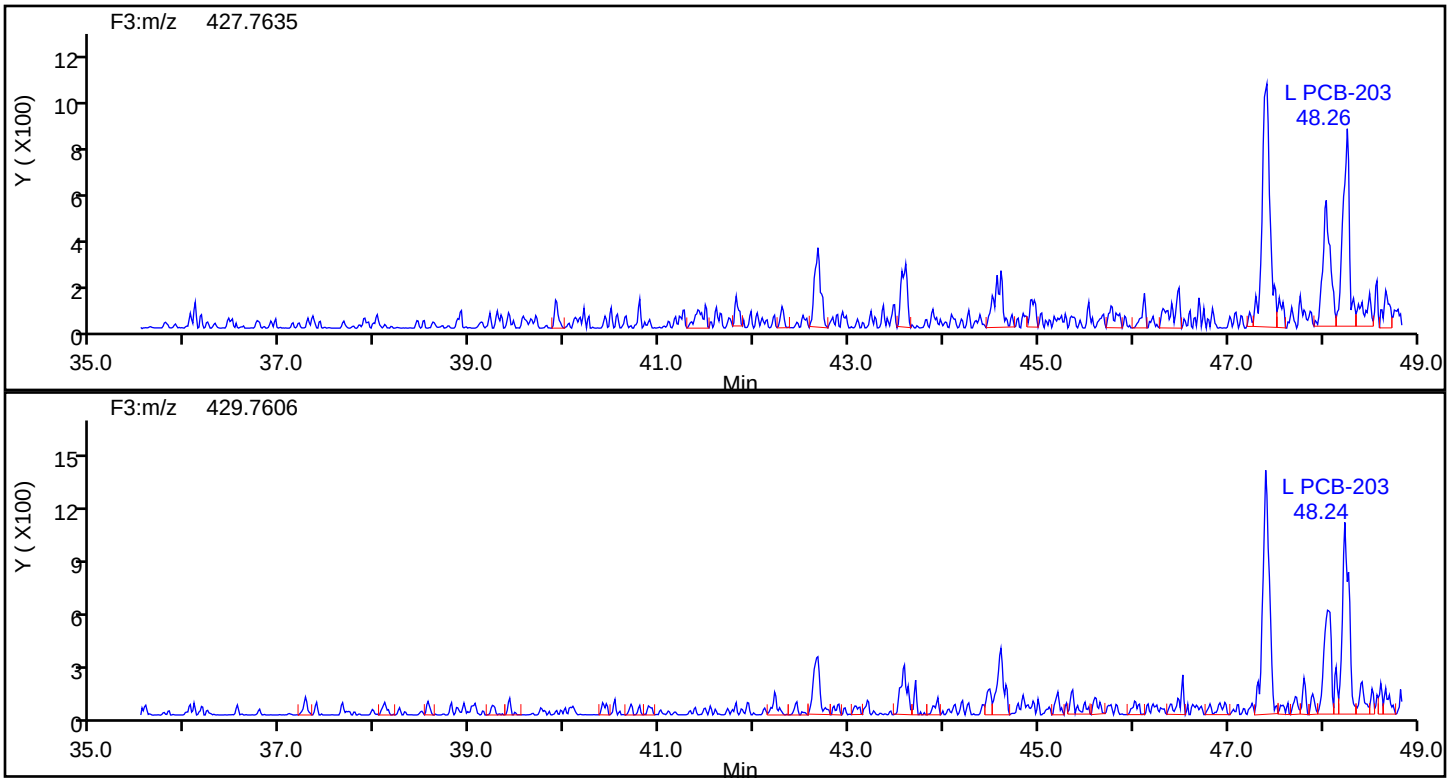

HpPCB F4 Lock Mass



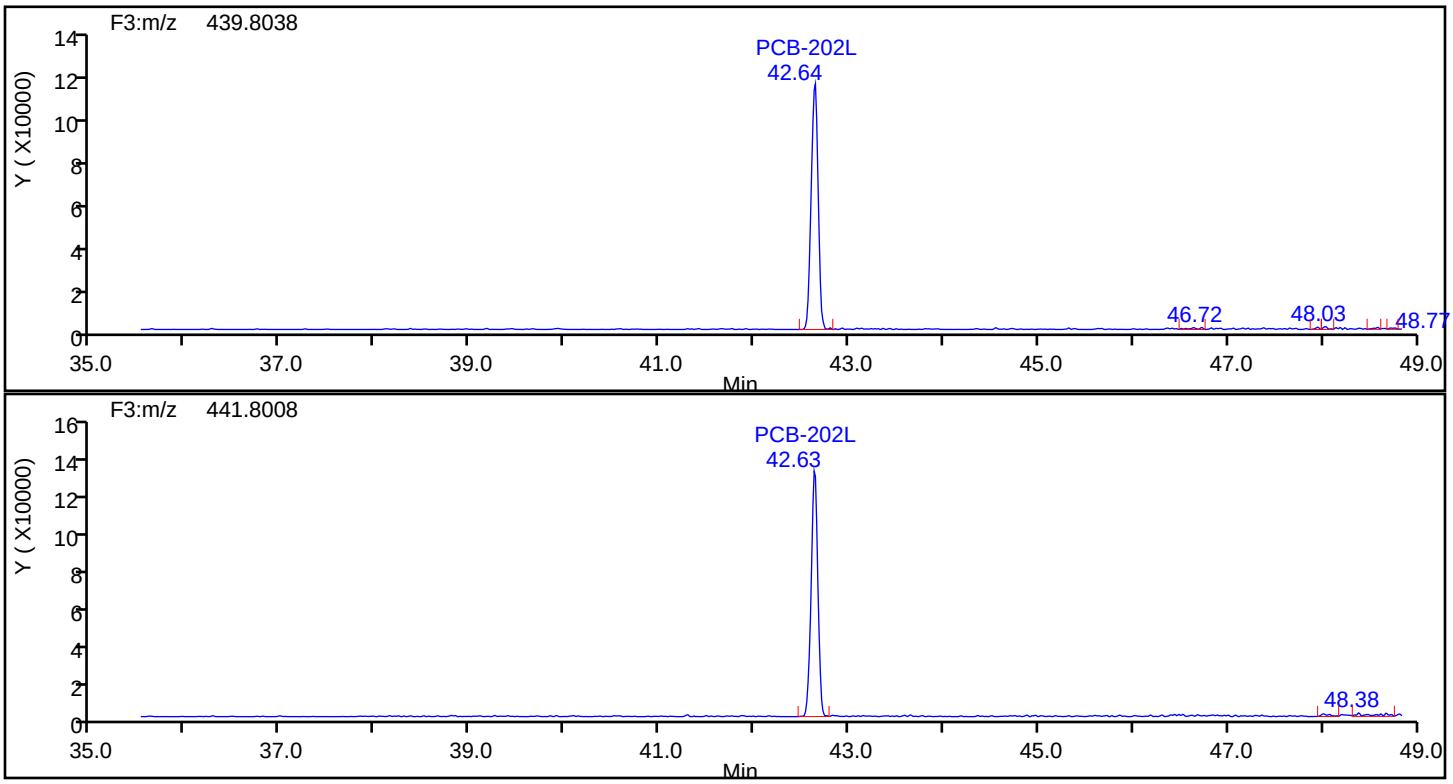
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



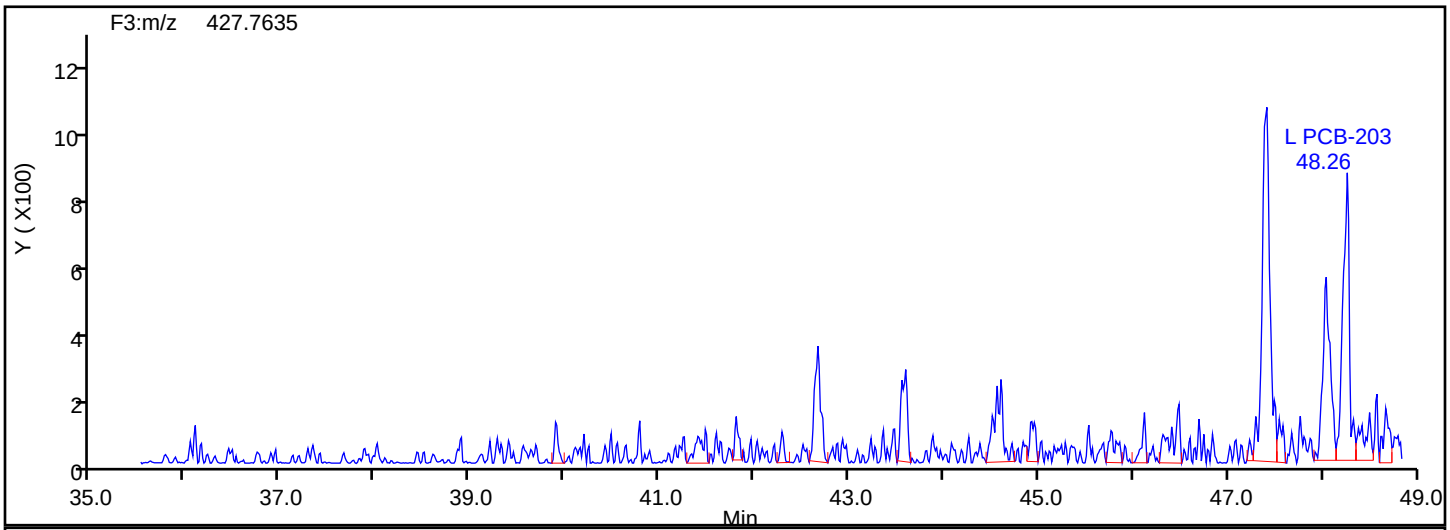

OcPCB F3 Standards

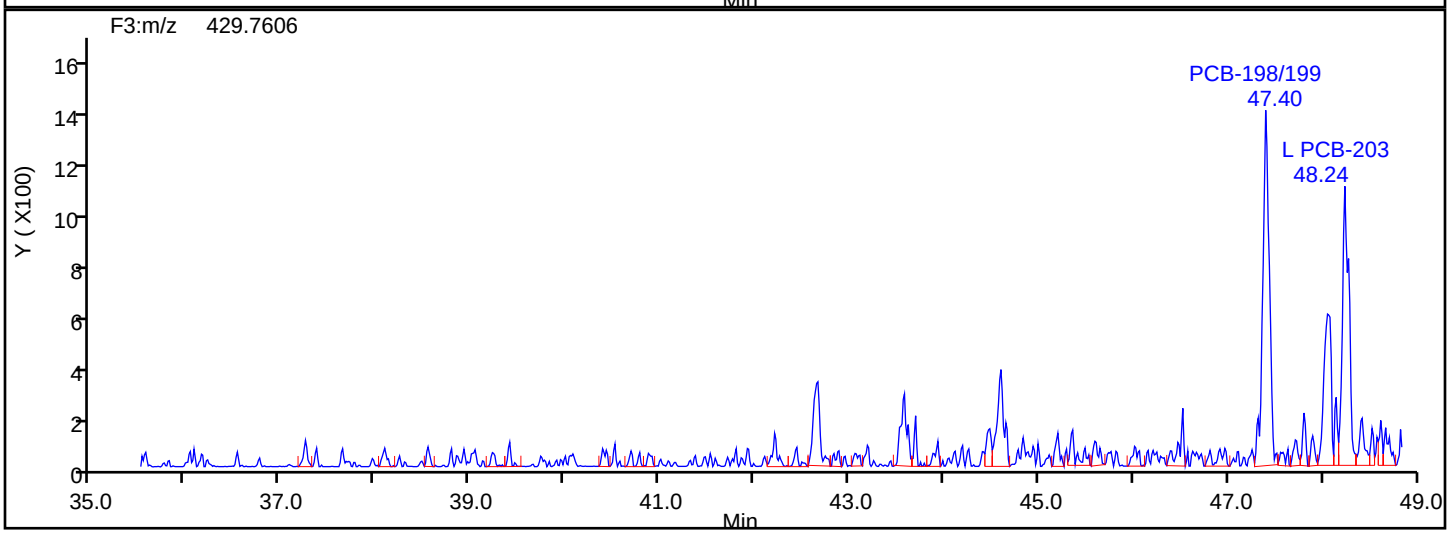


Eurofins TestAmerica, Knoxville

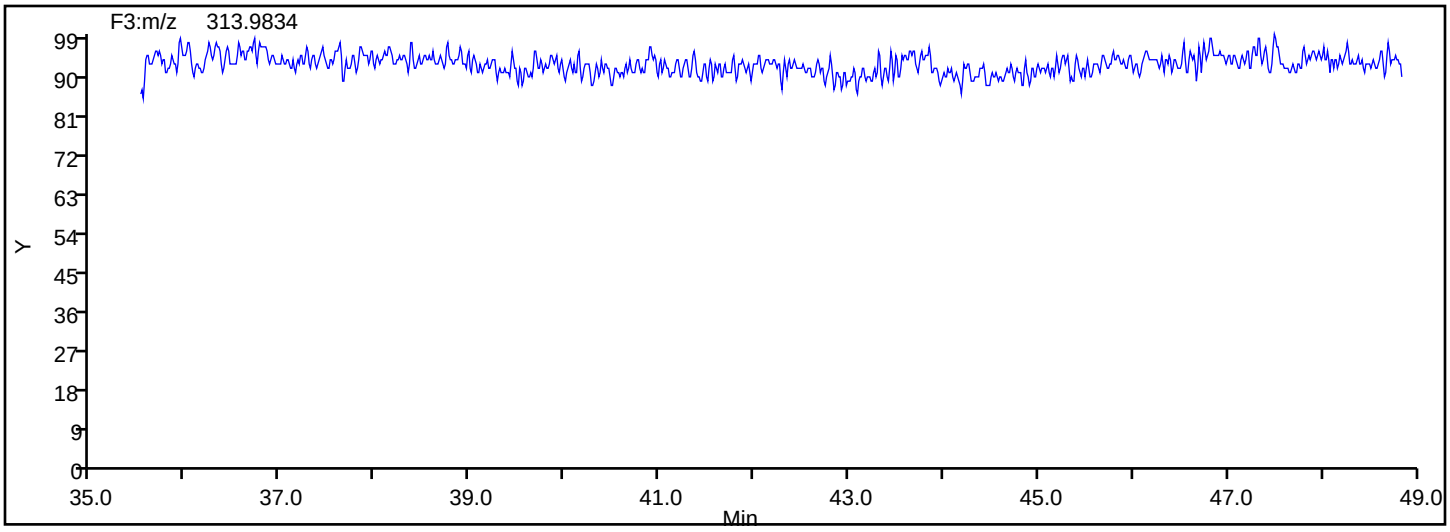
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

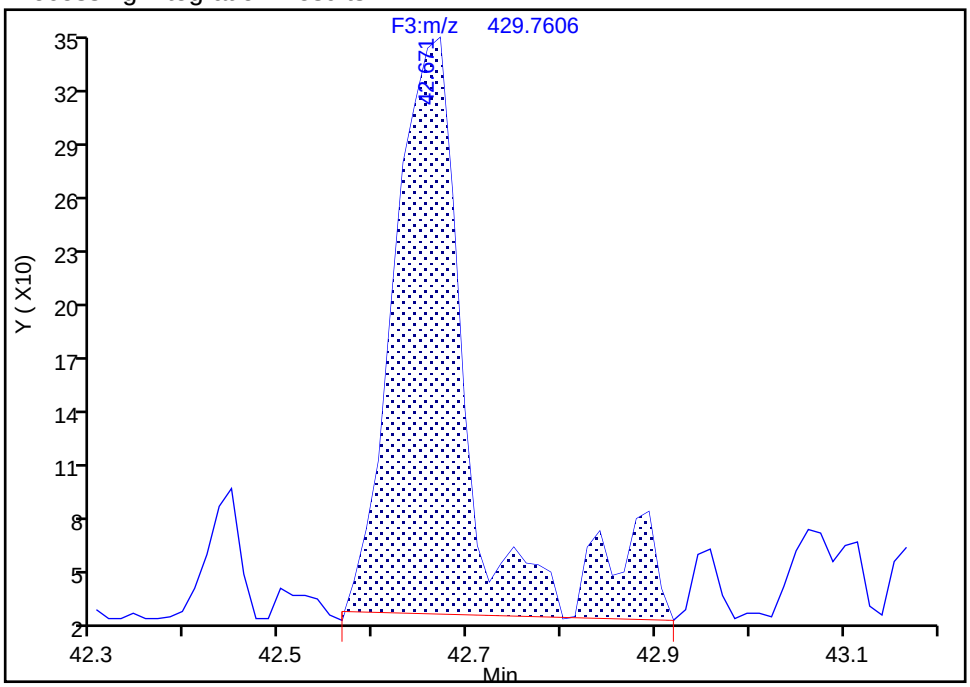
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-202, CAS: 2136-99-4

Signal: 2

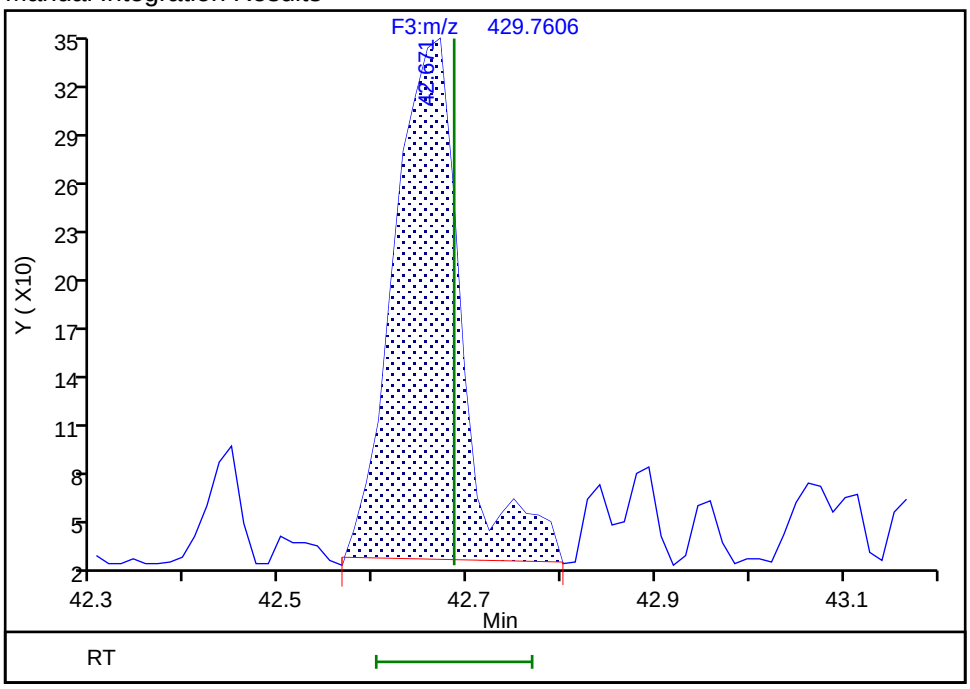
Processing Integration Results

RT: 42.67
Area: 1829
Amount: 0.258381
Amount Units: pg/ul




Manual Integration Results

RT: 42.67
Area: 1612
Amount: 0.241416
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:50:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

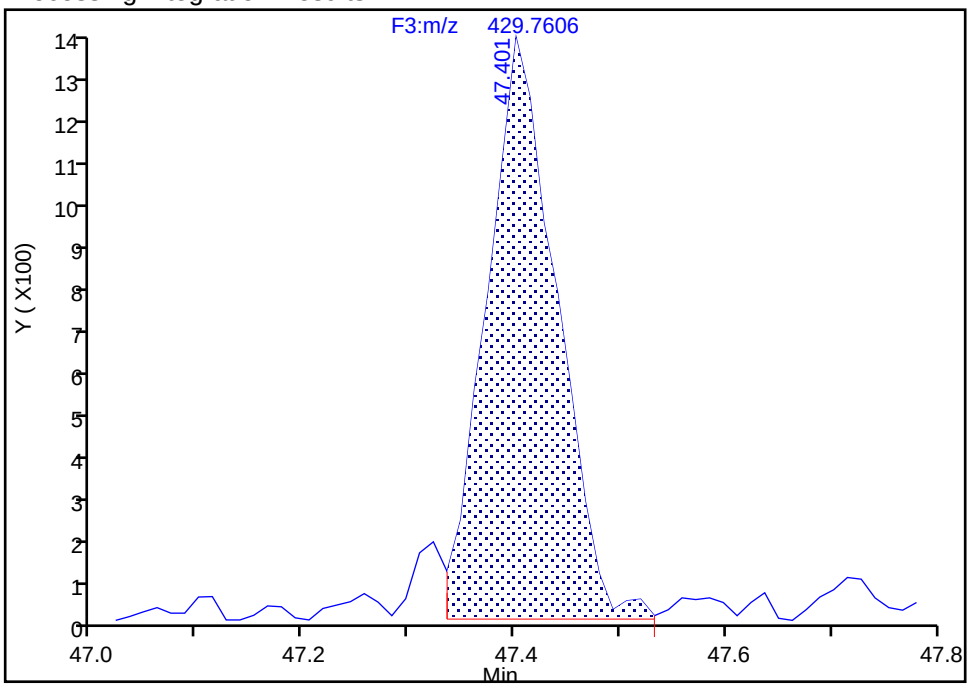
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-198/199, CAS: STL01825

Signal: 2

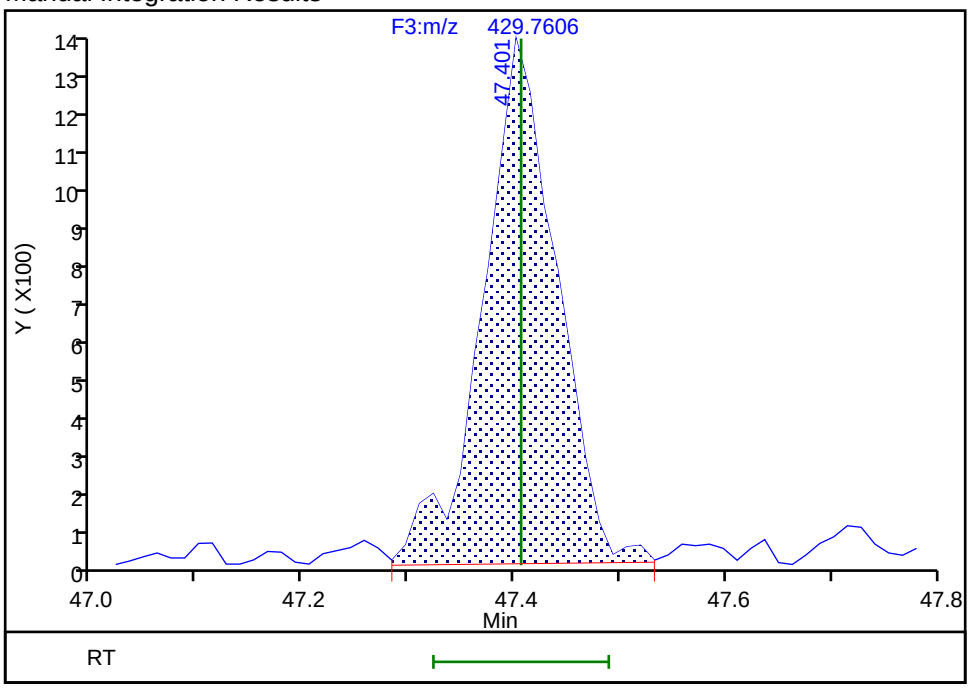
Processing Integration Results

RT: 47.40
Area: 6297
Amount: 1.273348
Amount Units: pg/ul




Manual Integration Results

RT: 47.40
Area: 6662
Amount: 1.249906
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:51:19

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

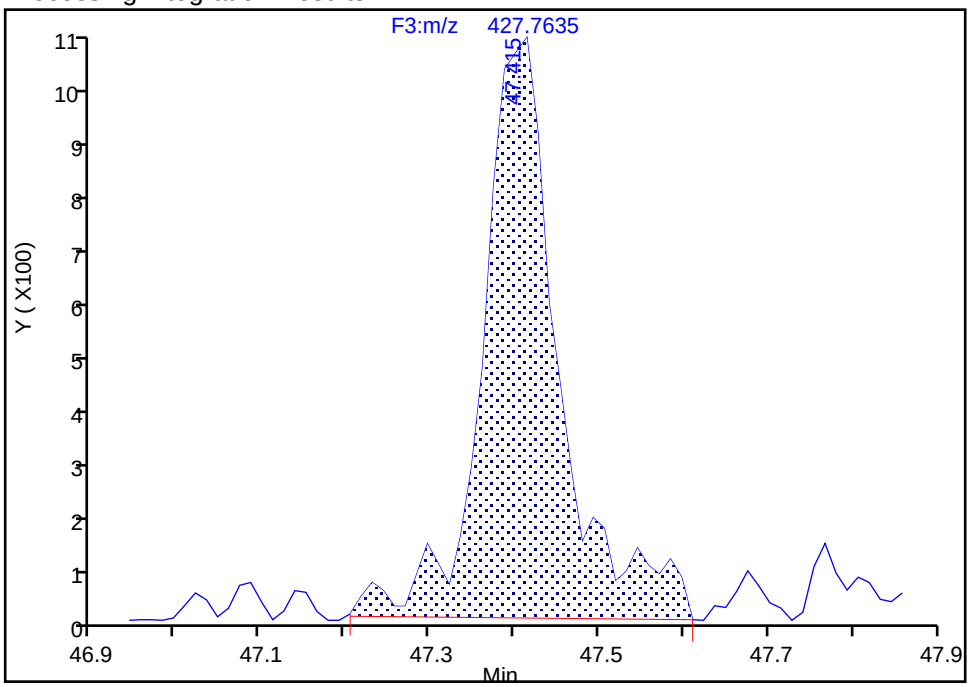
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-198/199, CAS: STL01825

Signal: 1

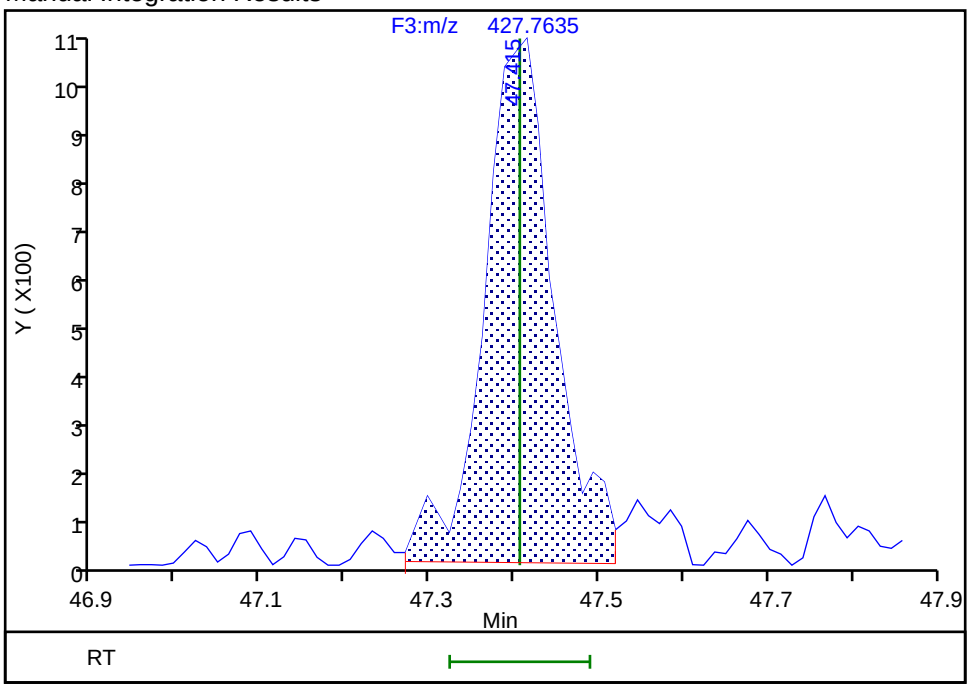
Processing Integration Results

RT: 47.41
Area: 6359
Amount: 1.273348
Amount Units: pg/ul




Manual Integration Results

RT: 47.41
Area: 5761
Amount: 1.249906
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:51:19

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

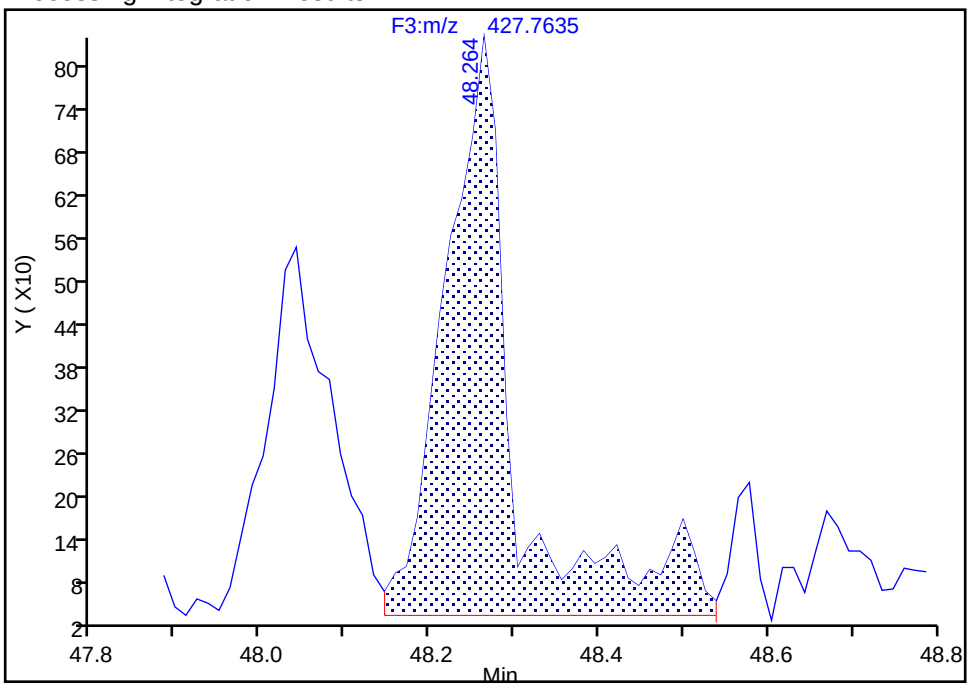
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-203, CAS: 52663-76-0

Signal: 1

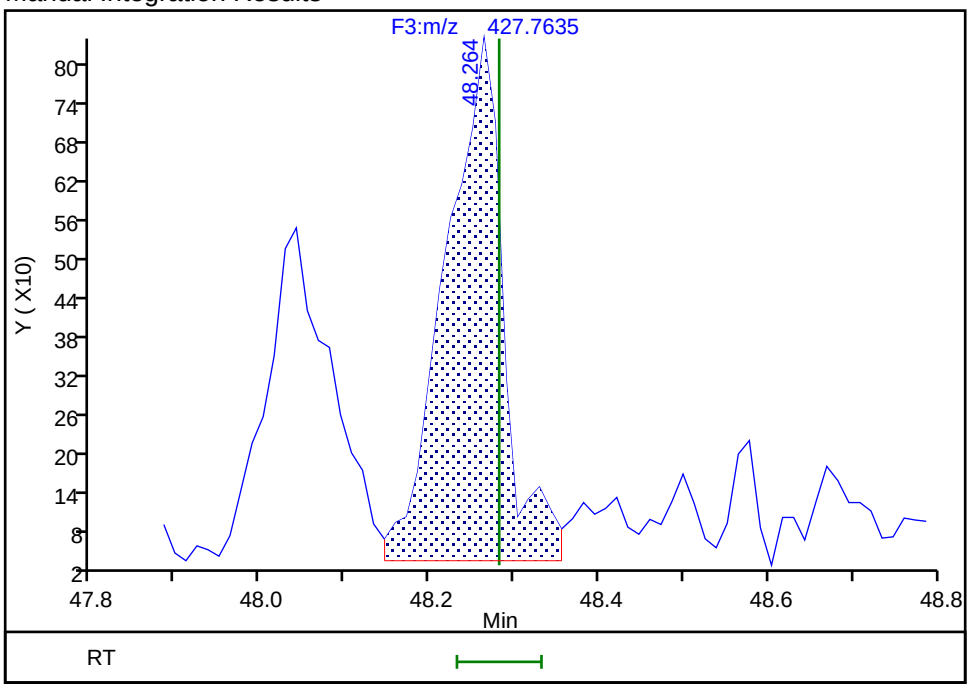
Processing Integration Results

RT: 48.26
Area: 4641
Amount: 0.874533
Amount Units: pg/ul




Manual Integration Results

RT: 48.26
Area: 3854
Amount: 0.804253
Amount Units: pg/ul



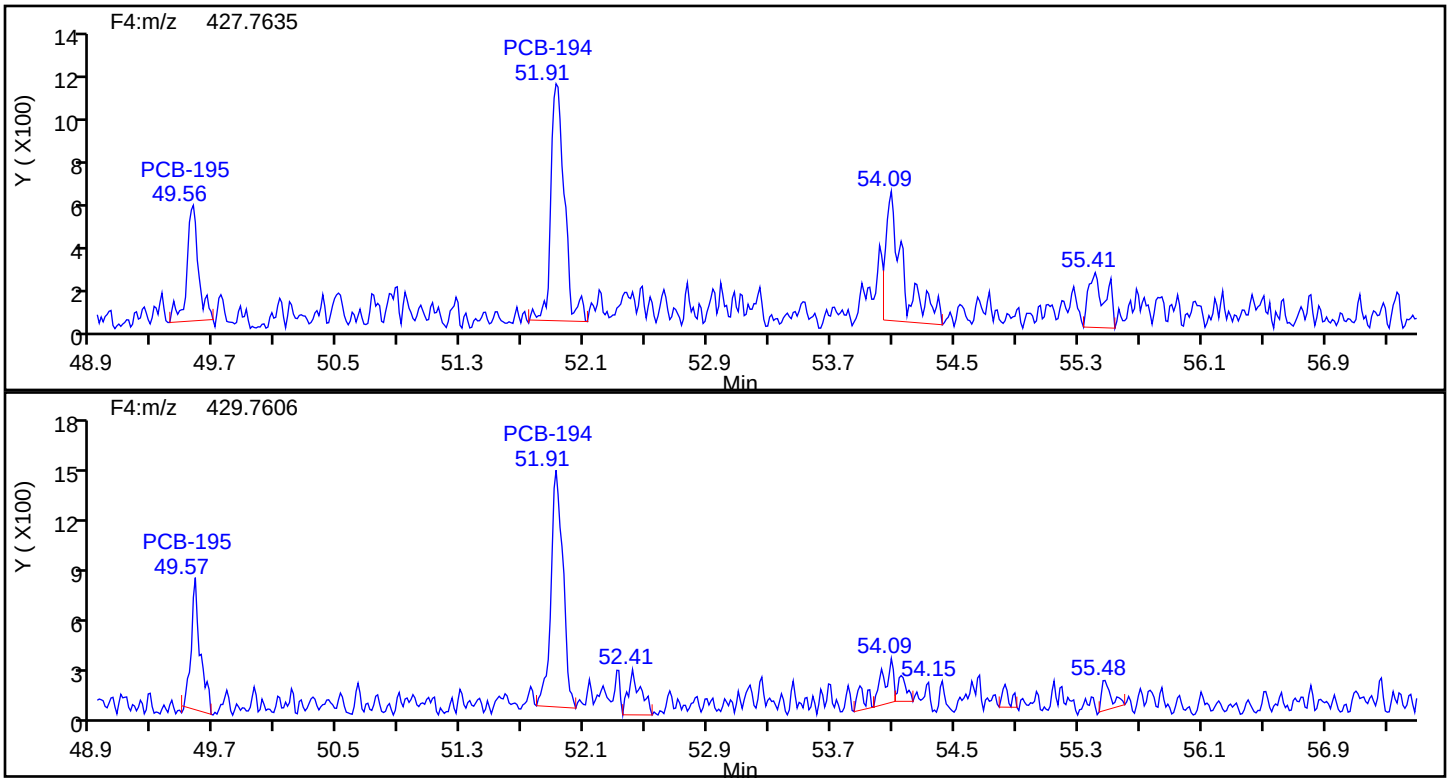

Reviewer: davidsonm, 10-Oct-2019 10:51:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

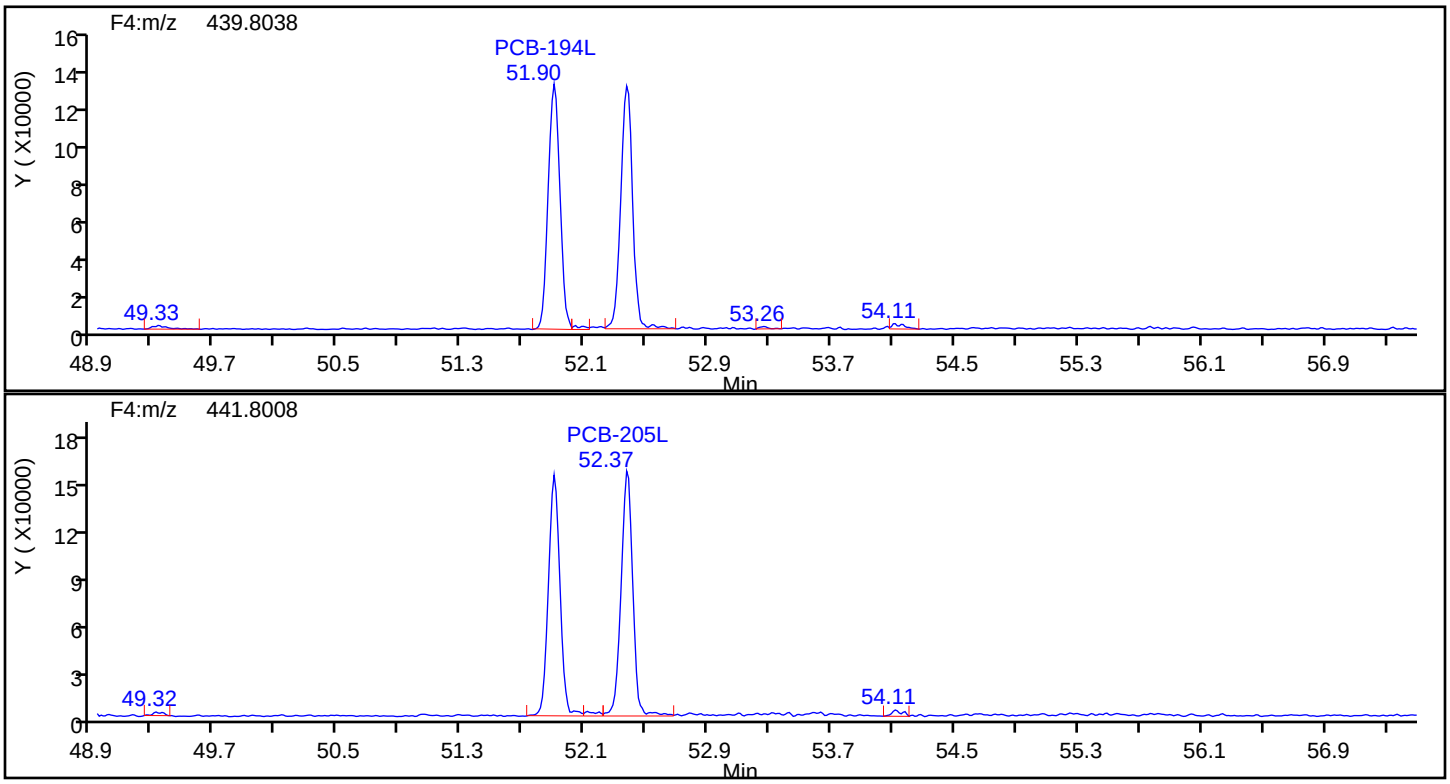
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



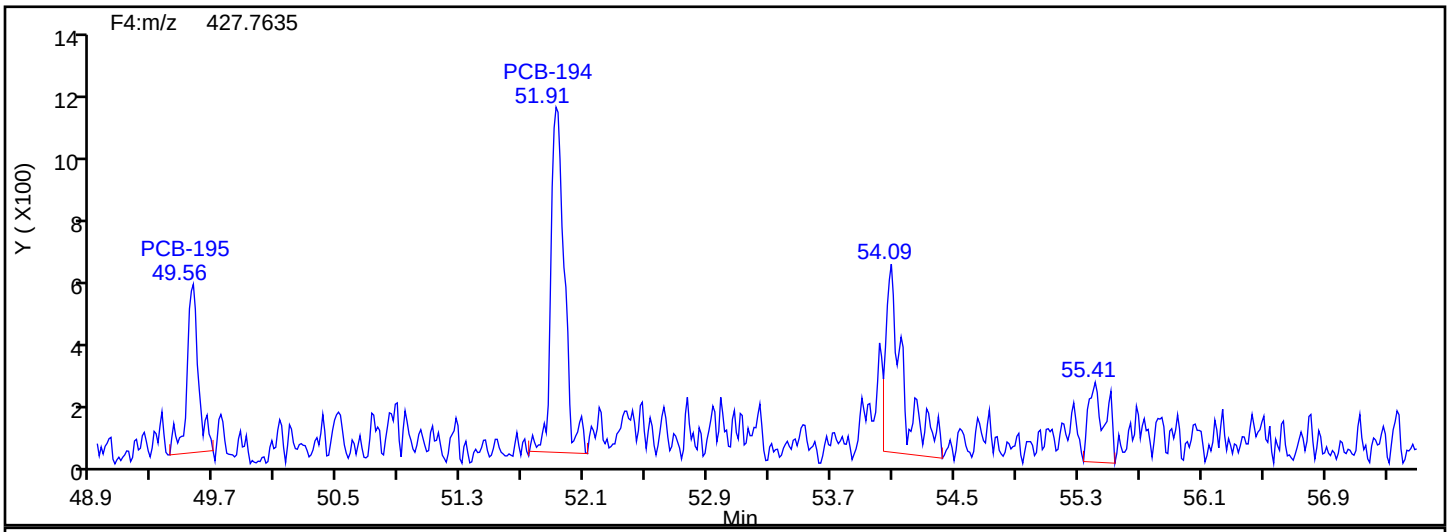

OcPCB F4 Standards

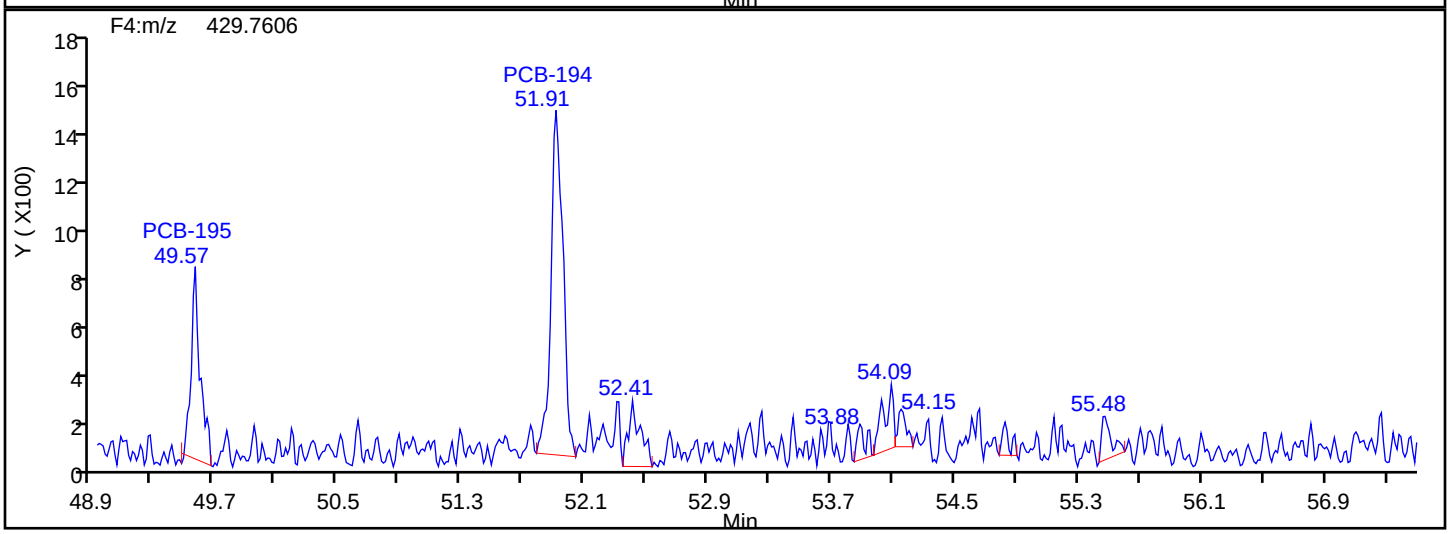


Eurofins TestAmerica, Knoxville

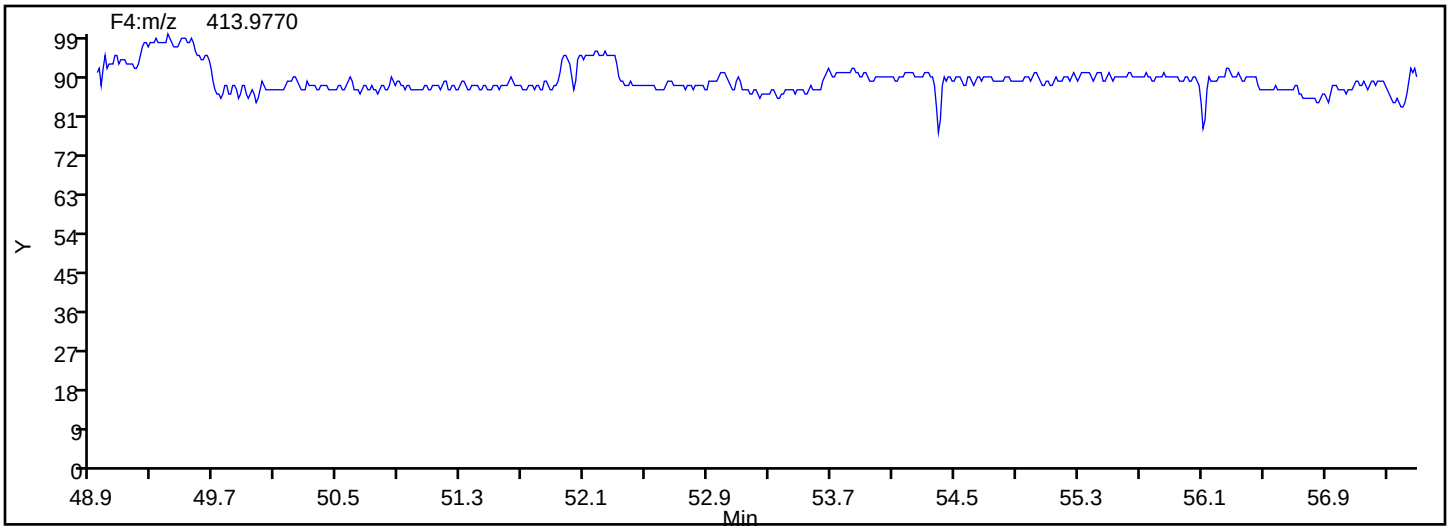
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



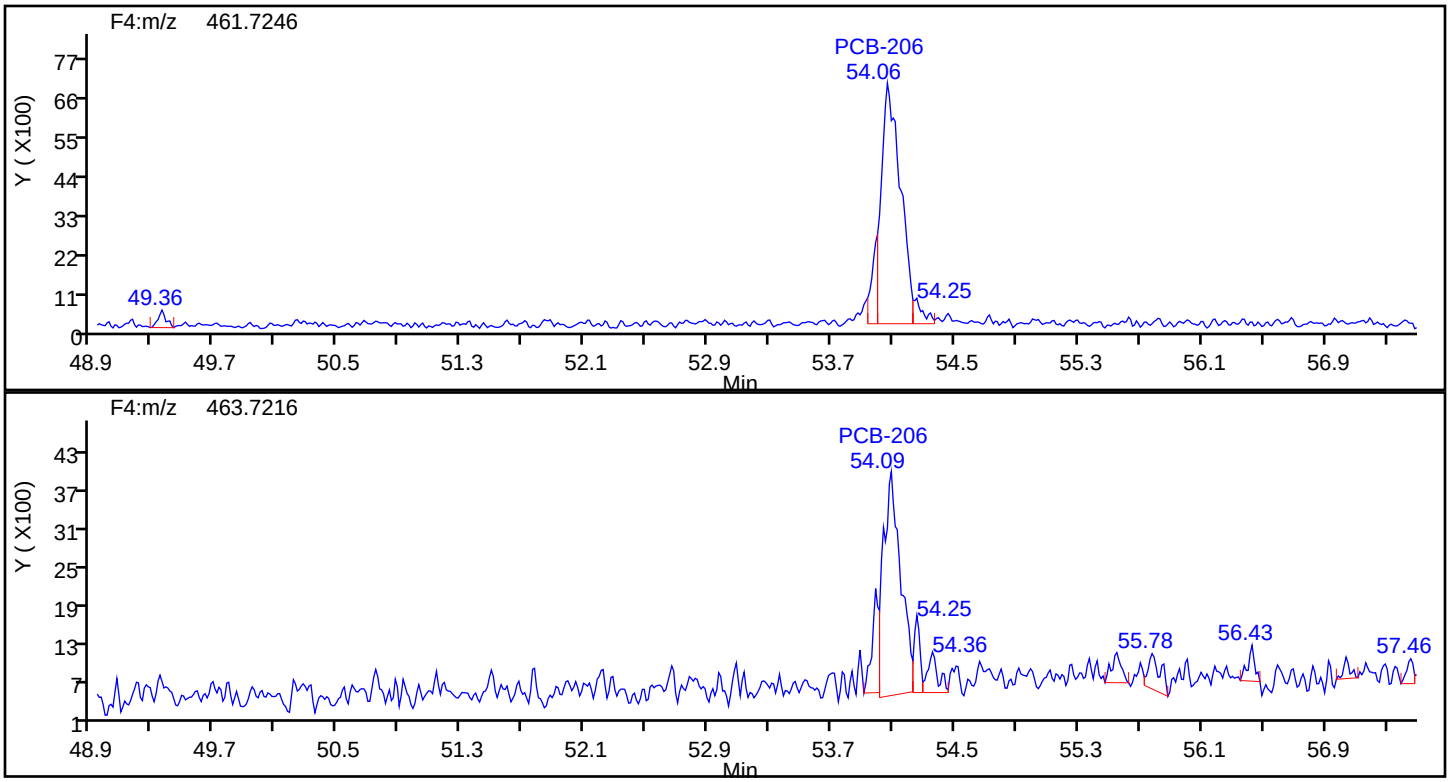

OcPCB F4 Lock Mass



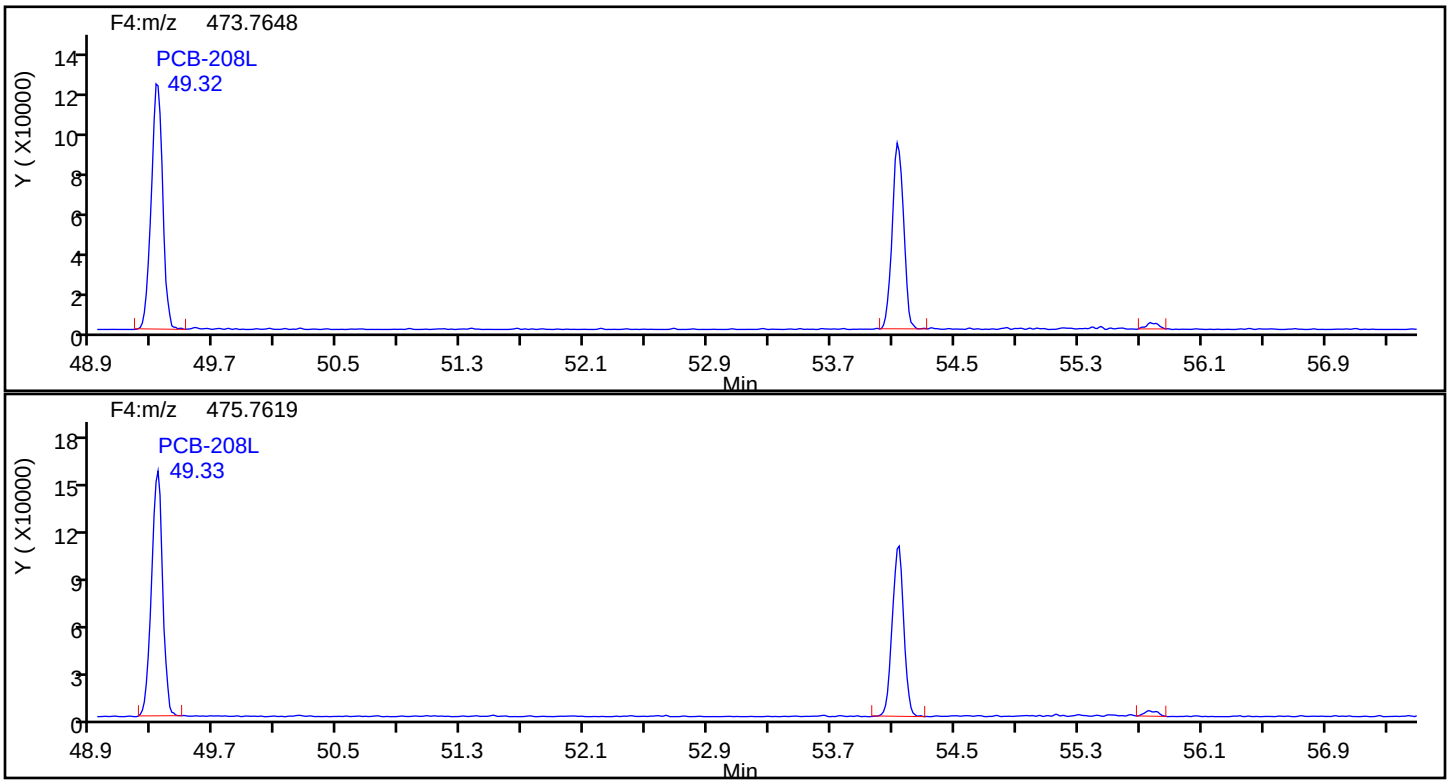
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



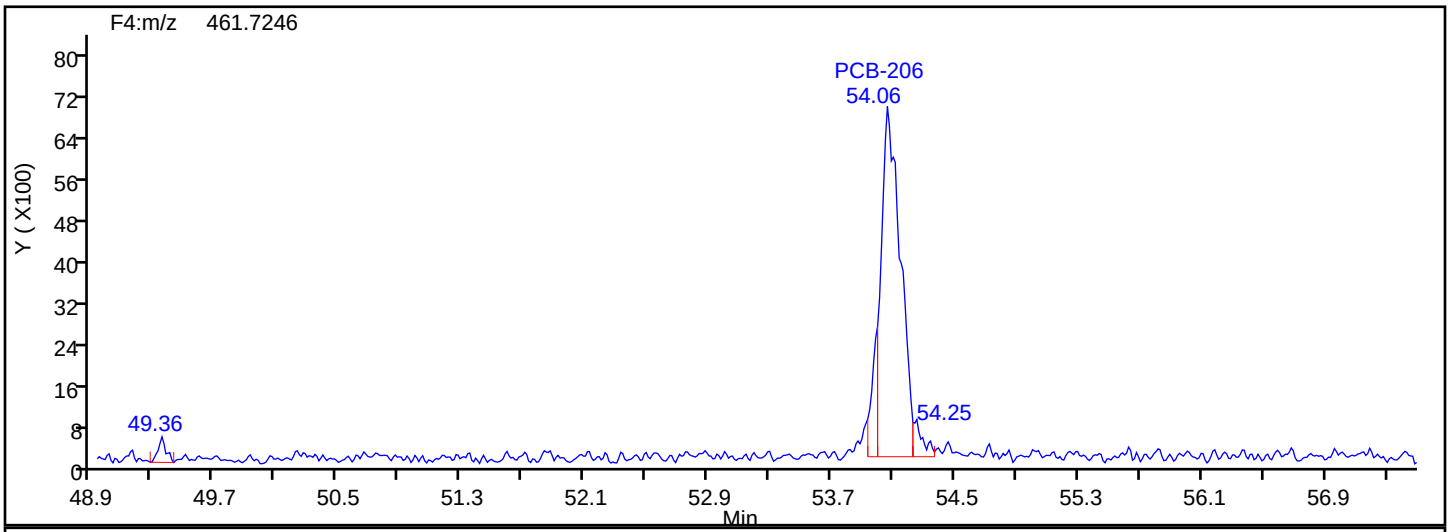

NoPCB F4 Standards

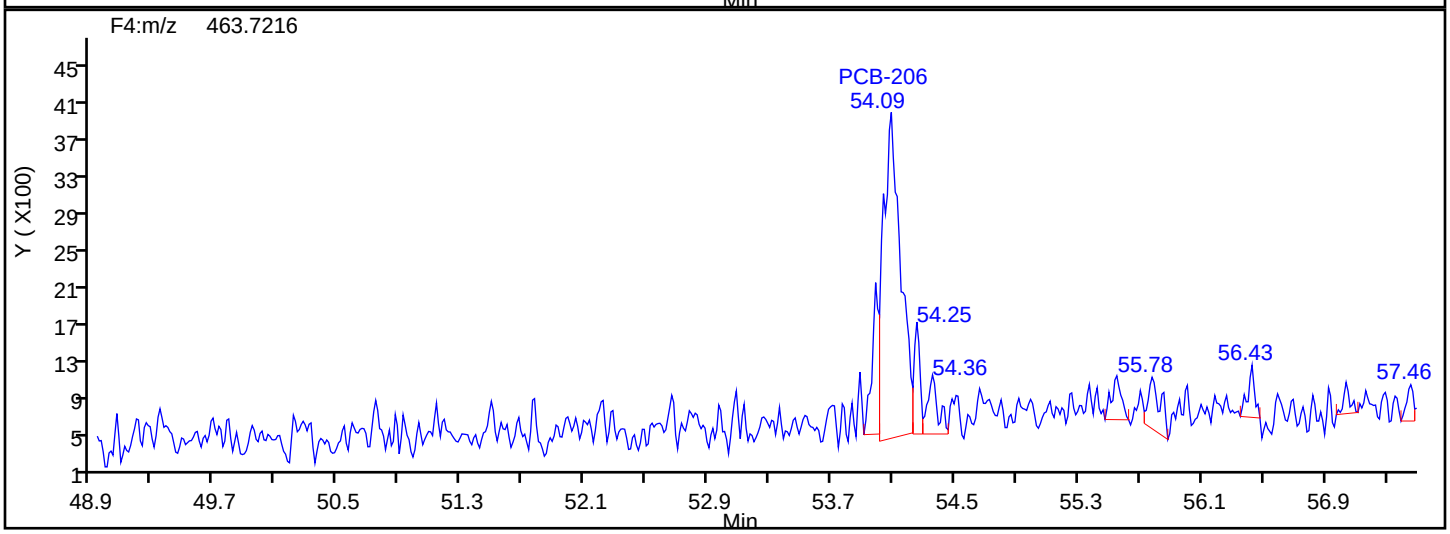


Eurofins TestAmerica, Knoxville

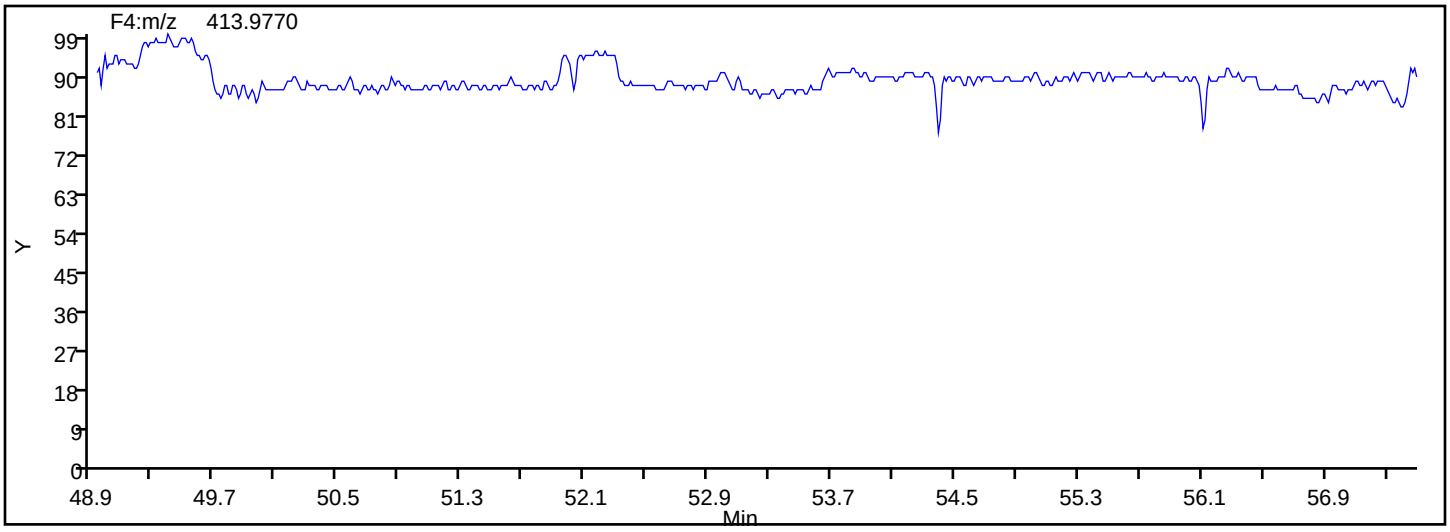
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

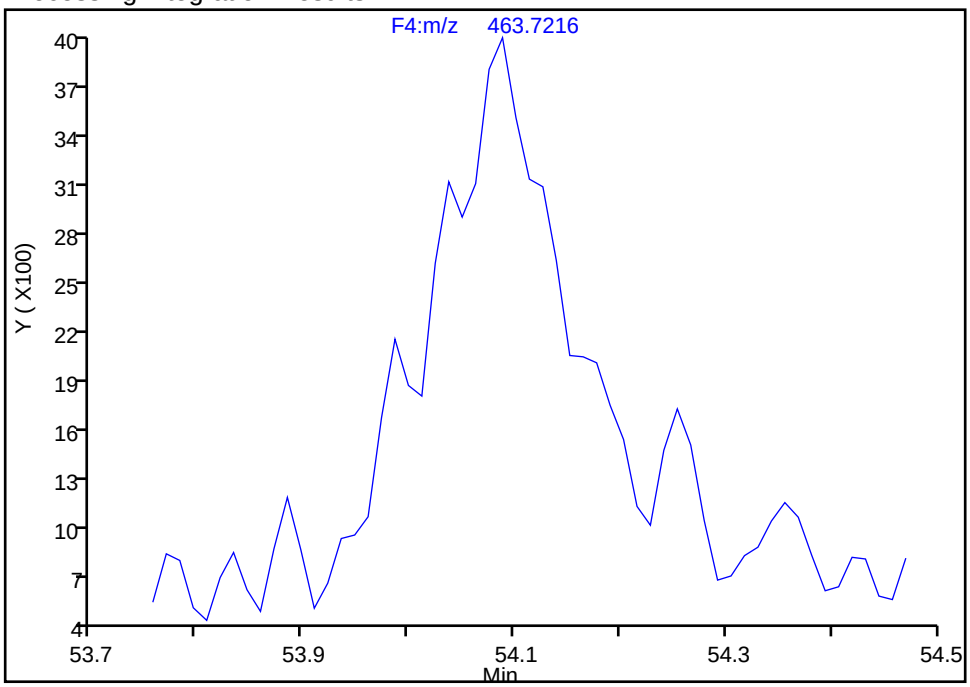
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

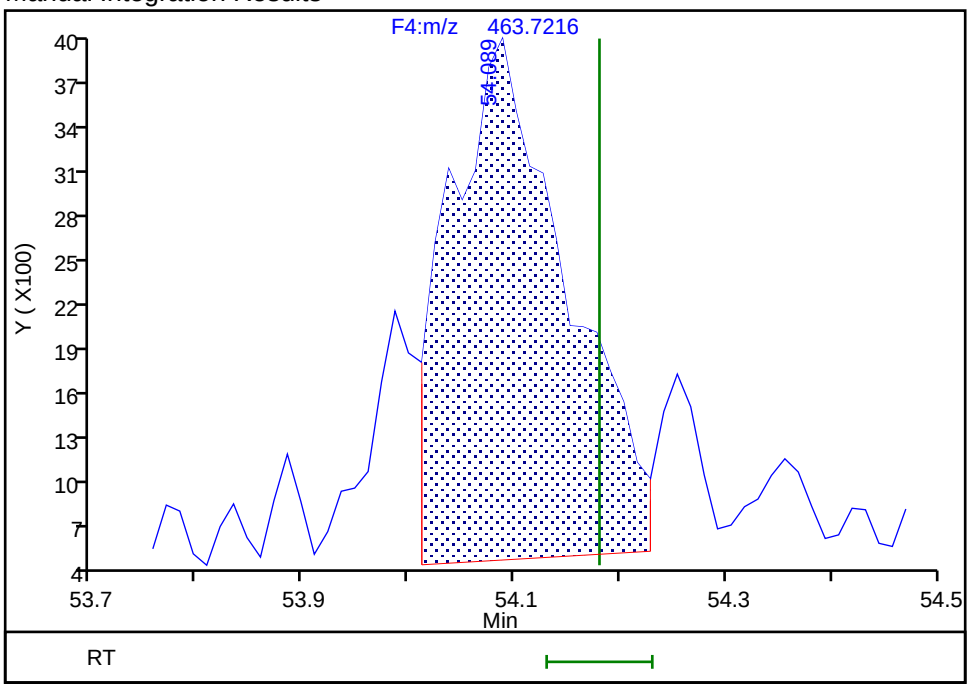
Not Detected
Expected RT: 54.18

Processing Integration Results




Manual Integration Results

RT: 54.09
Area: 26746
Amount: 6.834103
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:52:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

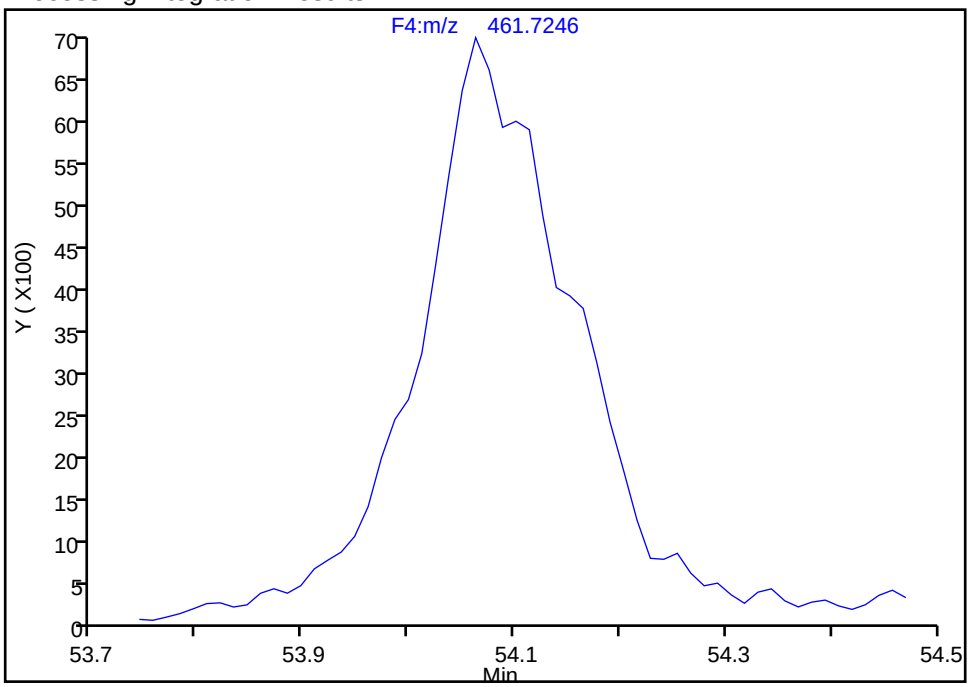
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

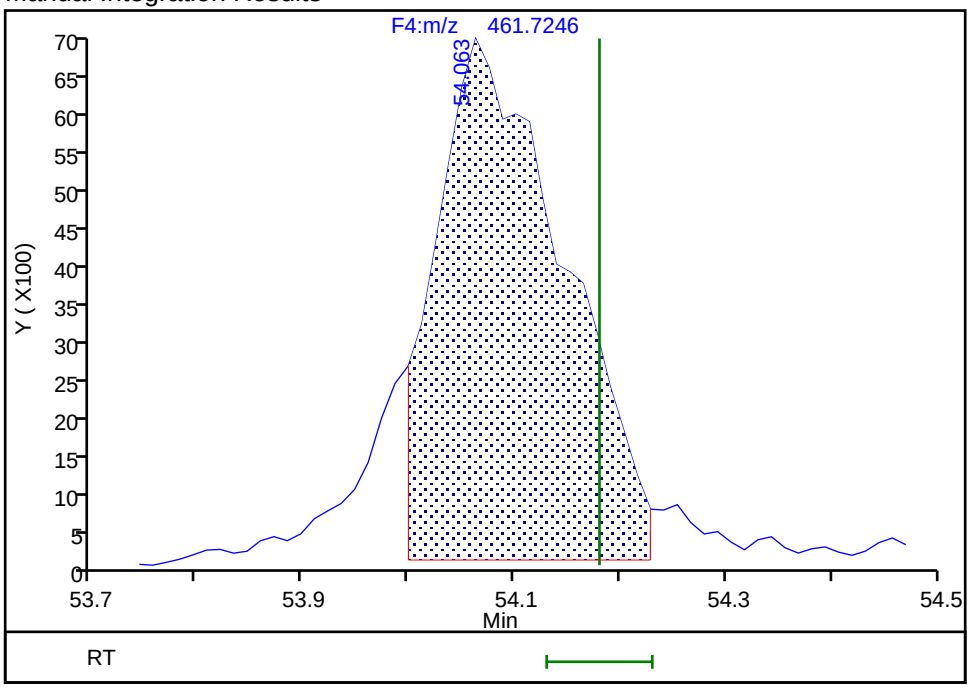
Processing Integration Results

Not Detected
Expected RT: 54.18




Manual Integration Results

RT: 54.06
Area: 56690
Amount: 6.834103
Amount Units: pg/ul



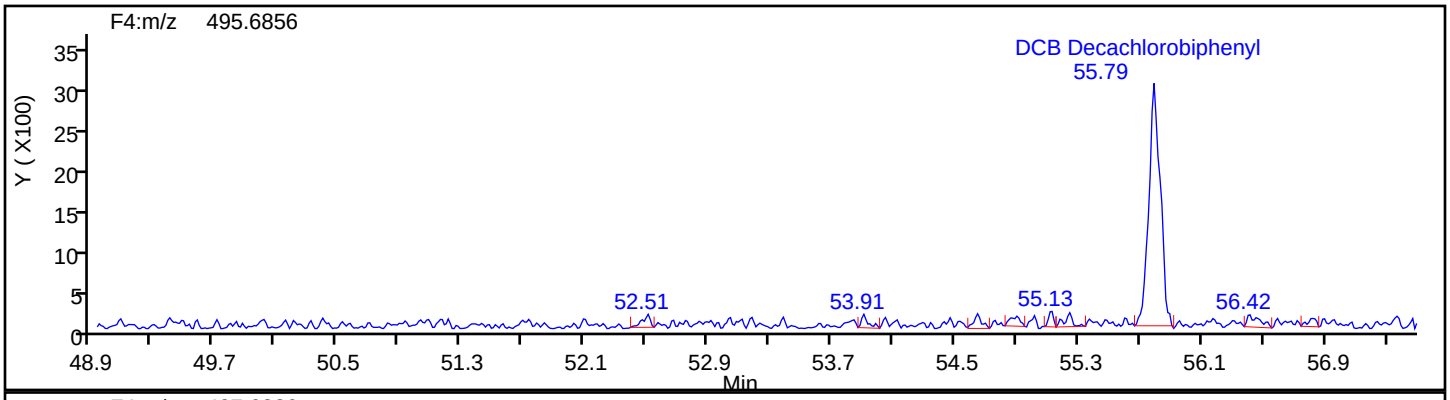

Reviewer: davidsonm, 10-Oct-2019 10:52:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

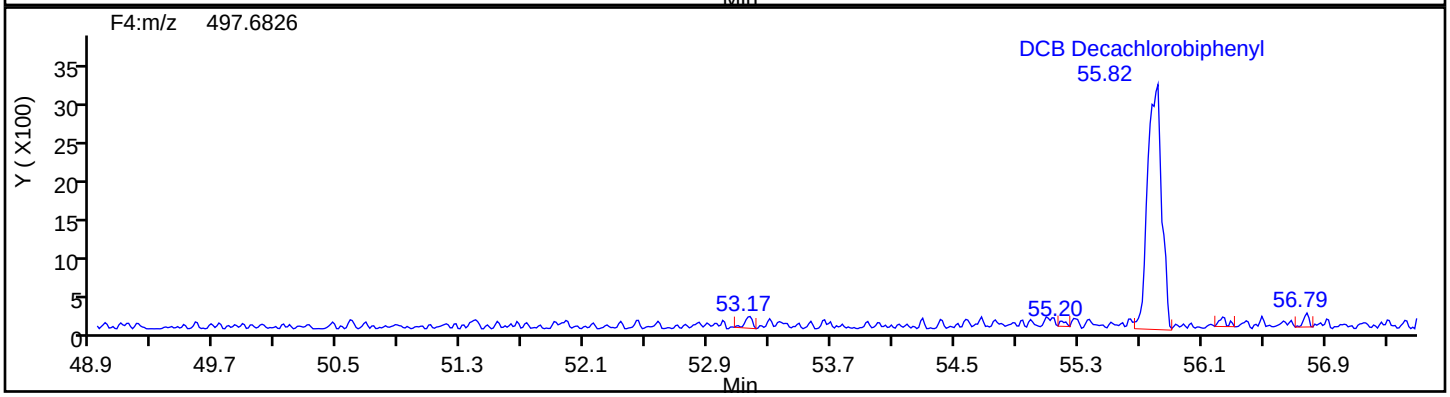
Report Date: 10-Oct-2019 10:52:42 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

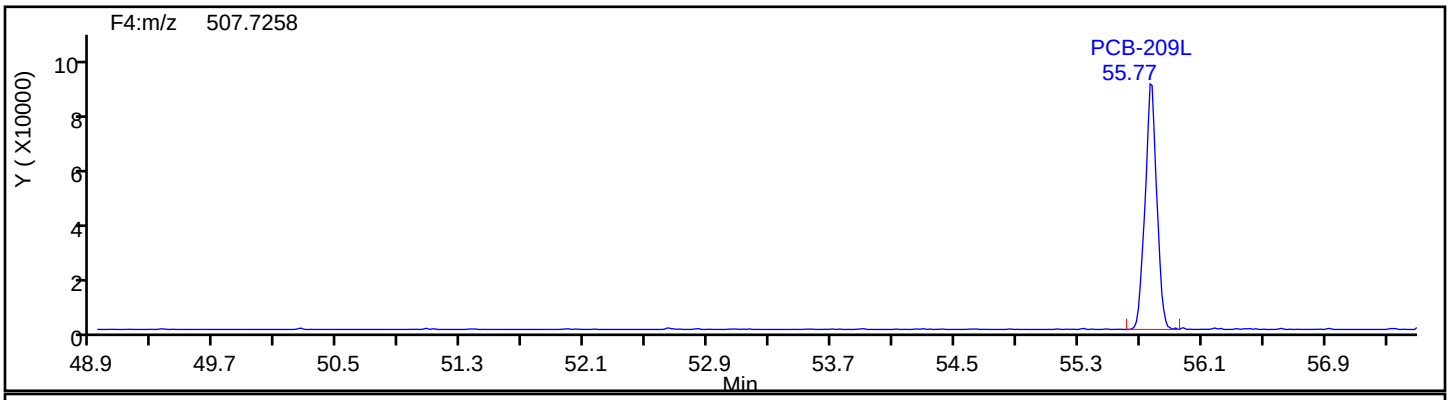
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

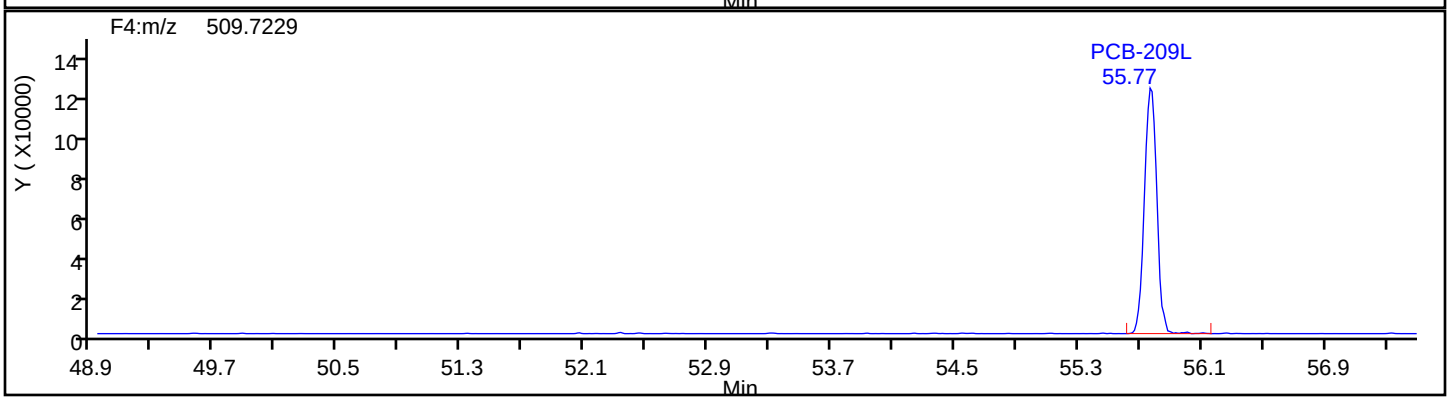
DePCB F4




DePCB F4 Standards

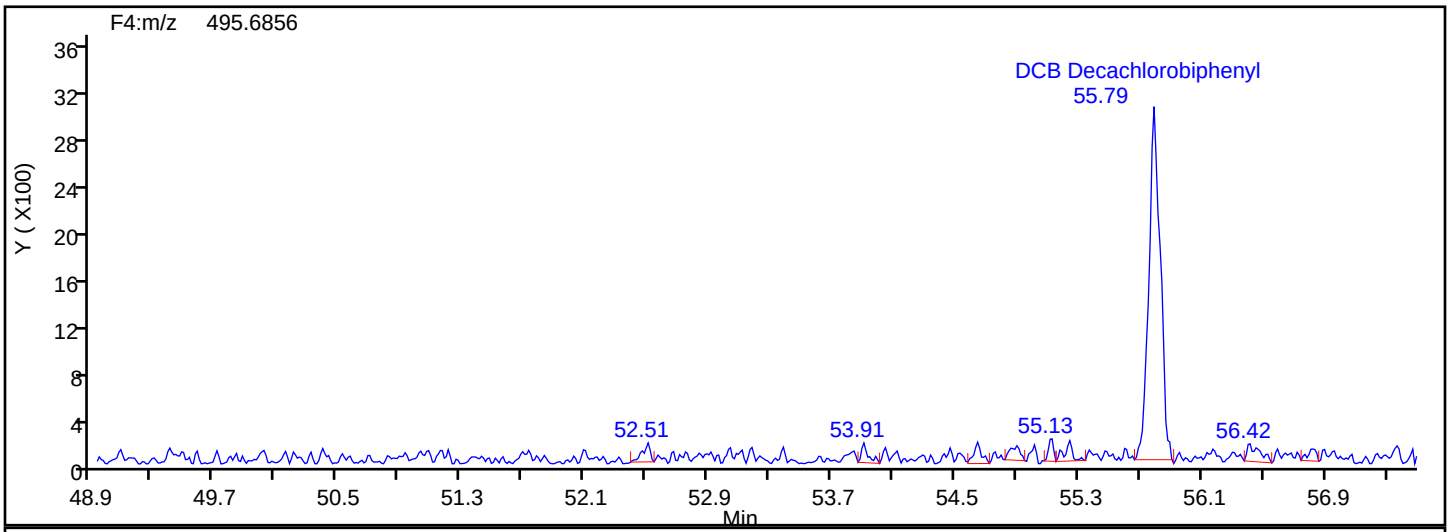


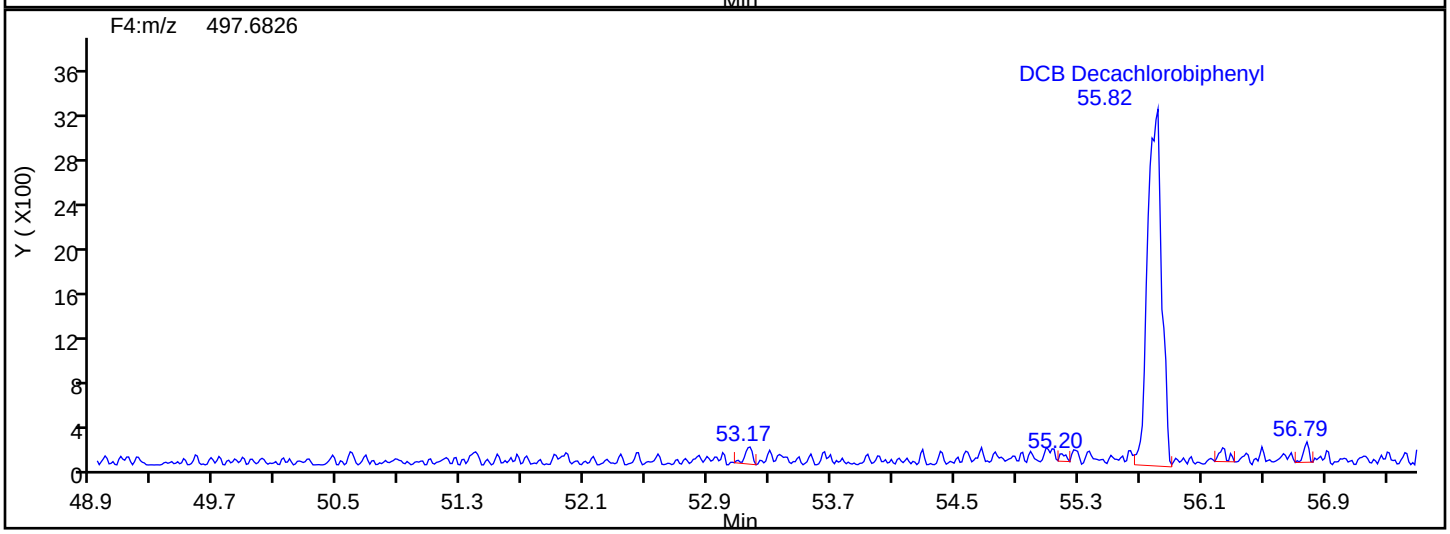



Eurofins TestAmerica, Knoxville

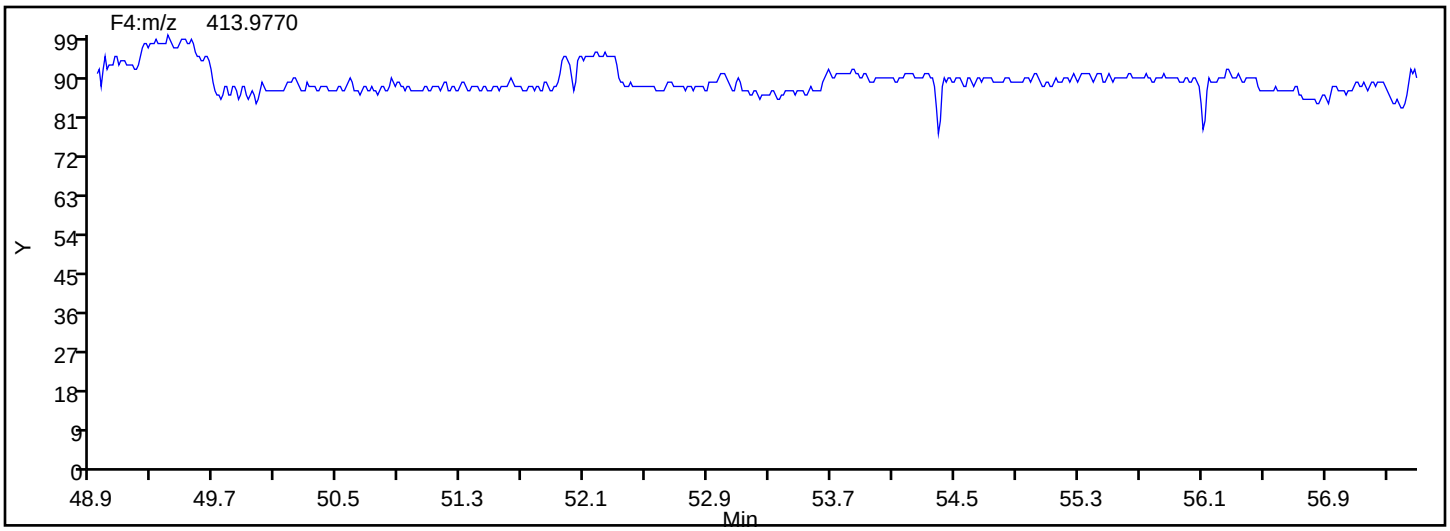
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34314 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

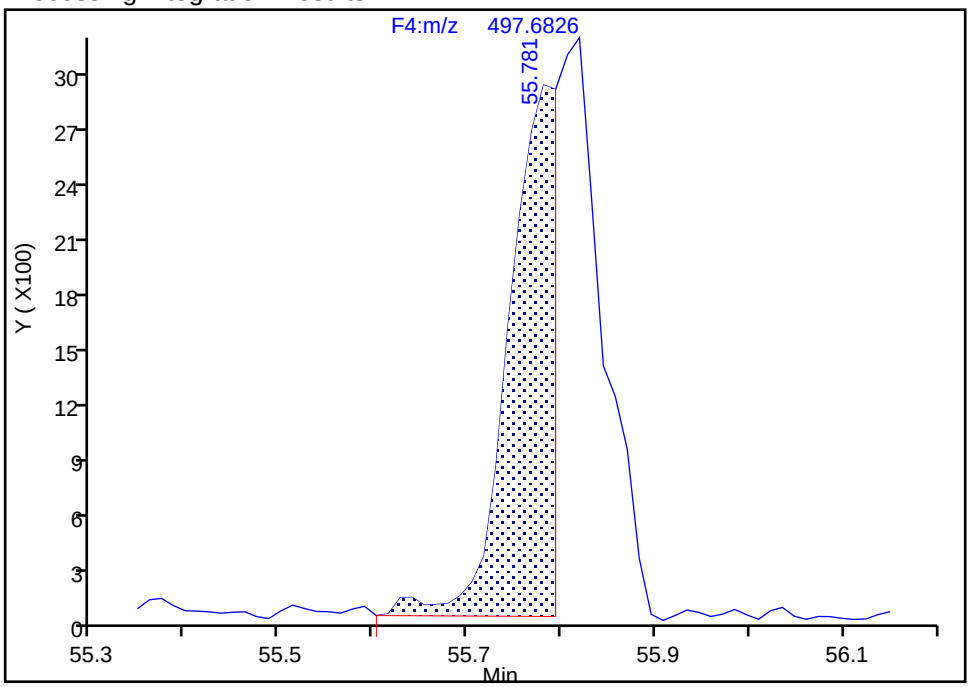
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\580-88908-a-34-f.d | | | | |
| Injection Date: | 10-Oct-2019 09:14:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-F | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

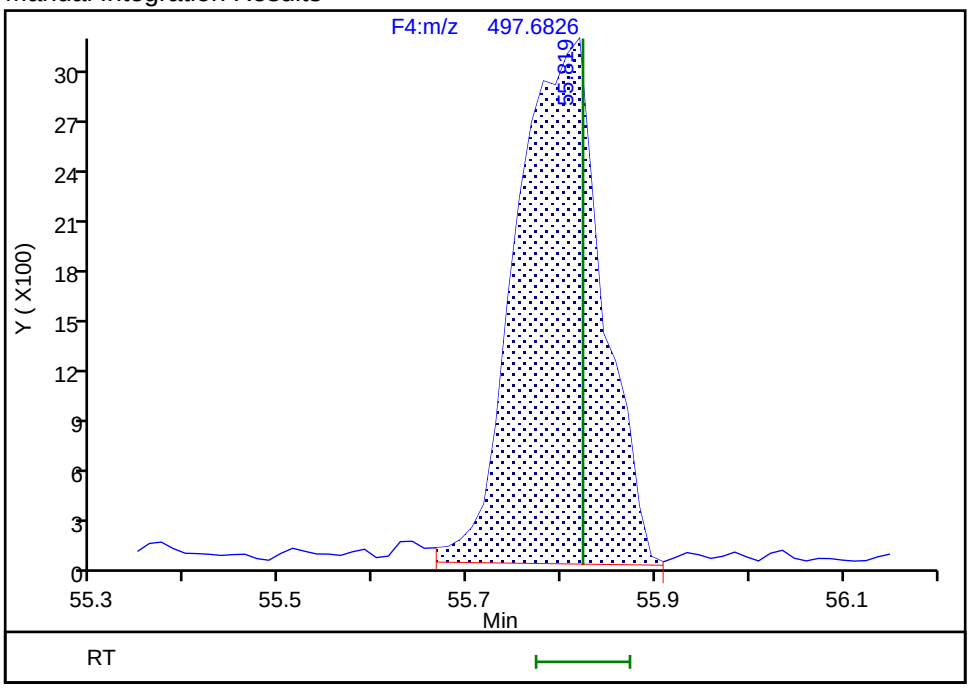
Processing Integration Results

RT: 55.78
Area: 9494
Amount: 1.762474
Amount Units: pg/ul




Manual Integration Results

RT: 55.82
Area: 20122
Amount: 2.513660
Amount Units: pg/ul




Reviewer: davidsonm, 10-Oct-2019 10:52:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.0058 | J | 0.049 | 0.0012 |
| 2051-61-8 | PCB-2 | ND | | 0.049 | 0.0013 |
| 2051-62-9 | PCB-3 | ND | | 0.049 | 0.0013 |
| 13029-08-8 | PCB-4 | 0.011 | J q | 0.099 | 0.0034 |
| 16605-91-7 | PCB-5 | ND | | 0.049 | 0.0017 |
| 25569-80-6 | PCB-6 | ND | | 0.049 | 0.0017 |
| 33284-50-3 | PCB-7 | ND | | 0.049 | 0.0016 |
| 34883-43-7 | PCB-8 | 0.020 | J q | 0.099 | 0.0017 |
| 34883-39-1 | PCB-9 | ND | | 0.049 | 0.0019 |
| 33146-45-1 | PCB-10 | ND | | 0.049 | 0.0018 |
| 2050-67-1 | PCB-11 | 0.0068 | J q B | 0.099 | 0.0016 |
| 2974-92-7 | PCB-12 | ND | C | 0.099 | 0.0016 |
| 2974-90-5 | PCB-13 | ND | C12 | 0.099 | 0.0016 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0014 |
| 2050-68-2 | PCB-15 | 0.0084 | J | 0.049 | 0.0014 |
| 38444-78-9 | PCB-16 | 0.016 | J | 0.049 | 0.0022 |
| 37680-66-3 | PCB-17 | 0.016 | J | 0.049 | 0.0017 |
| 37680-65-2 | PCB-18 | 0.033 | J q C | 0.099 | 0.0015 |
| 38444-73-4 | PCB-19 | 0.0062 | J | 0.049 | 0.0020 |
| 38444-84-7 | PCB-20 | 0.036 | J C | 0.099 | 0.0012 |
| 55702-46-0 | PCB-21 | 0.022 | J C | 0.099 | 0.0011 |
| 38444-85-8 | PCB-22 | 0.016 | J | 0.049 | 0.0012 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.0012 |
| 55702-45-9 | PCB-24 | ND | | 0.049 | 0.0013 |
| 55712-37-3 | PCB-25 | 0.0046 | J | 0.049 | 0.0011 |
| 38444-81-4 | PCB-26 | 0.0076 | J C | 0.099 | 0.0011 |
| 38444-76-7 | PCB-27 | 0.0023 | J q | 0.049 | 0.0012 |
| 7012-37-5 | PCB-28 | 0.036 | J C20 | 0.099 | 0.0012 |
| 15862-07-4 | PCB-29 | 0.0076 | J C26 | 0.099 | 0.0011 |
| 35693-92-6 | PCB-30 | 0.033 | J q C18 | 0.099 | 0.0015 |
| 16606-02-3 | PCB-31 | 0.045 | J | 0.099 | 0.0011 |
| 38444-77-8 | PCB-32 | 0.0085 | J q | 0.049 | 0.0011 |
| 38444-86-9 | PCB-33 | 0.022 | J C21 | 0.099 | 0.0011 |
| 37680-68-5 | PCB-34 | ND | | 0.049 | 0.0012 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | ND | | 0.049 | 0.0012 |
| 38444-87-0 | PCB-36 | 0.0085 | J | 0.049 | 0.0011 |
| 38444-90-5 | PCB-37 | 0.012 | J | 0.049 | 0.0012 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.0011 |
| 38444-88-1 | PCB-39 | ND | | 0.049 | 0.0011 |
| 38444-93-8 | PCB-40 | 0.069 | J C | 0.15 | 0.0083 |
| 52663-59-9 | PCB-41 | 0.069 | J C40 | 0.15 | 0.0083 |
| 36559-22-5 | PCB-42 | 0.036 | J | 0.049 | 0.0087 |
| 70362-46-8 | PCB-43 | ND | C | 0.099 | 0.0076 |
| 41464-39-5 | PCB-44 | 0.52 | C B | 0.15 | 0.0073 |
| 70362-45-7 | PCB-45 | ND | C | 0.099 | 0.0086 |
| 41464-47-5 | PCB-46 | ND | | 0.049 | 0.010 |
| 2437-79-8 | PCB-47 | 0.52 | C44 B | 0.15 | 0.0073 |
| 70362-47-9 | PCB-48 | 0.016 | J q | 0.049 | 0.0080 |
| 41464-40-8 | PCB-49 | 0.25 | C B | 0.099 | 0.0067 |
| 62796-65-0 | PCB-50 | 0.030 | J C | 0.099 | 0.0081 |
| 68194-04-7 | PCB-51 | ND | C45 | 0.099 | 0.0086 |
| 35693-99-3 | PCB-52 | 1.6 | B | 0.049 | 0.0084 |
| 41464-41-9 | PCB-53 | 0.030 | J C50 | 0.099 | 0.0081 |
| 15968-05-5 | PCB-54 | ND | | 0.049 | 0.00040 |
| 74338-24-2 | PCB-55 | ND | | 0.049 | 0.0059 |
| 41464-43-1 | PCB-56 | 0.098 | | 0.049 | 0.0060 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.0059 |
| 41464-49-7 | PCB-58 | ND | | 0.049 | 0.0057 |
| 74472-33-6 | PCB-59 | ND | C | 0.15 | 0.0056 |
| 33025-41-1 | PCB-60 | 0.037 | J | 0.049 | 0.0057 |
| 33284-53-6 | PCB-61 | 0.99 | C B | 0.20 | 0.0056 |
| 54230-22-7 | PCB-62 | ND | C59 | 0.15 | 0.0056 |
| 74472-34-7 | PCB-63 | 0.0096 | J | 0.049 | 0.0052 |
| 52663-58-8 | PCB-64 | 0.12 | | 0.049 | 0.0053 |
| 33284-54-7 | PCB-65 | 0.52 | C44 B | 0.15 | 0.0073 |
| 32598-10-0 | PCB-66 | 0.22 | | 0.049 | 0.0059 |
| 73575-53-8 | PCB-67 | ND | | 0.049 | 0.0054 |
| 73575-52-7 | PCB-68 | ND | | 0.049 | 0.0051 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 0.25 | C49 B | 0.099 | 0.0067 |
| 32598-11-1 | PCB-70 | 0.99 | C61 B | 0.20 | 0.0056 |
| 41464-46-4 | PCB-71 | 0.069 | J C40 | 0.15 | 0.0083 |
| 41464-42-0 | PCB-72 | ND | | 0.049 | 0.0058 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.099 | 0.0076 |
| 32690-93-0 | PCB-74 | 0.99 | C61 B | 0.20 | 0.0056 |
| 32598-12-2 | PCB-75 | ND | C59 | 0.15 | 0.0056 |
| 70362-48-0 | PCB-76 | 0.99 | C61 B | 0.20 | 0.0056 |
| 32598-13-3 | PCB-77 | 0.0087 | J q | 0.049 | 0.0055 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.0058 |
| 41464-48-6 | PCB-79 | 0.011 | J q | 0.049 | 0.0049 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0052 |
| 70362-50-4 | PCB-81 | ND | | 0.049 | 0.0059 |
| 52663-62-4 | PCB-82 | 0.37 | | 0.049 | 0.0032 |
| 60145-20-2 | PCB-83 | 1.5 | C | 0.099 | 0.0030 |
| 52663-60-2 | PCB-84 | 0.88 | B | 0.049 | 0.0032 |
| 65510-45-4 | PCB-85 | 0.43 | C B | 0.15 | 0.0023 |
| 55312-69-1 | PCB-86 | 2.1 | C | 0.30 | 0.0023 |
| 38380-02-8 | PCB-87 | 2.1 | C86 | 0.30 | 0.0023 |
| 55215-17-3 | PCB-88 | 0.34 | C | 0.099 | 0.0028 |
| 73575-57-2 | PCB-89 | 0.027 | J | 0.049 | 0.0031 |
| 68194-07-0 | PCB-90 | 3.0 | C B | 0.15 | 0.0024 |
| 68194-05-8 | PCB-91 | 0.34 | C88 | 0.099 | 0.0028 |
| 52663-61-3 | PCB-92 | 0.59 | | 0.049 | 0.0029 |
| 73575-56-1 | PCB-93 | 0.029 | J C | 0.099 | 0.0028 |
| 73575-55-0 | PCB-94 | 0.0082 | J | 0.049 | 0.0031 |
| 38379-99-6 | PCB-95 | 2.7 | | 0.049 | 0.0029 |
| 73575-54-9 | PCB-96 | 0.013 | J q | 0.049 | 0.0023 |
| 41464-51-1 | PCB-97 | 2.1 | C86 | 0.30 | 0.0023 |
| 60233-25-2 | PCB-98 | 0.070 | J C | 0.099 | 0.0028 |
| 38380-01-7 | PCB-99 | 1.5 | C83 | 0.099 | 0.0030 |
| 39485-83-1 | PCB-100 | 0.029 | J C93 | 0.099 | 0.0028 |
| 37680-73-2 | PCB-101 | 3.0 | C90 B | 0.15 | 0.0024 |
| 68194-06-9 | PCB-102 | 0.070 | J C98 | 0.099 | 0.0028 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.013 | J q | 0.049 | 0.0027 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0020 |
| 32598-14-4 | PCB-105 | 0.91 | | 0.049 | 0.0034 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.0035 |
| 70424-68-9 | PCB-107 | 0.15 | | 0.049 | 0.0033 |
| 70362-41-3 | PCB-108 | 0.11 | C | 0.099 | 0.0036 |
| 74472-35-8 | PCB-109 | 2.1 | C86 | 0.30 | 0.0023 |
| 38380-03-9 | PCB-110 | 3.4 | C | 0.099 | 0.0021 |
| 39635-32-0 | PCB-111 | ND | | 0.049 | 0.0020 |
| 74472-36-9 | PCB-112 | 0.0032 | J q | 0.049 | 0.0020 |
| 68194-10-5 | PCB-113 | 3.0 | C90 B | 0.15 | 0.0024 |
| 74472-37-0 | PCB-114 | 0.066 | | 0.049 | 0.0033 |
| 74472-38-1 | PCB-115 | 3.4 | C110 | 0.099 | 0.0021 |
| 18259-05-7 | PCB-116 | 0.43 | C85 B | 0.15 | 0.0023 |
| 68194-11-6 | PCB-117 | 0.43 | C85 B | 0.15 | 0.0023 |
| 31508-00-6 | PCB-118 | 2.2 | B | 0.049 | 0.0032 |
| 56558-17-9 | PCB-119 | 2.1 | C86 | 0.30 | 0.0023 |
| 68194-12-7 | PCB-120 | ND | | 0.049 | 0.0019 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0020 |
| 76842-07-4 | PCB-122 | 0.035 | J | 0.049 | 0.0038 |
| 65510-44-3 | PCB-123 | 0.034 | J | 0.049 | 0.0033 |
| 70424-70-3 | PCB-124 | 0.11 | C108 | 0.099 | 0.0036 |
| 74472-39-2 | PCB-125 | 2.1 | C86 | 0.30 | 0.0023 |
| 57465-28-8 | PCB-126 | ND | | 0.049 | 0.0035 |
| 39635-33-1 | PCB-127 | 0.0085 | J | 0.049 | 0.0035 |
| 38380-07-3 | PCB-128 | 0.52 | C B | 0.099 | 0.0020 |
| 55215-18-4 | PCB-129 | 2.8 | C B | 0.20 | 0.0020 |
| 52663-66-8 | PCB-130 | 0.20 | | 0.049 | 0.0027 |
| 61798-70-7 | PCB-131 | 0.055 | | 0.049 | 0.0026 |
| 38380-05-1 | PCB-132 | 1.1 | | 0.049 | 0.0025 |
| 35694-04-3 | PCB-133 | 0.039 | J | 0.049 | 0.0024 |
| 52704-70-8 | PCB-134 | 0.19 | C | 0.099 | 0.0026 |
| 52744-13-5 | PCB-135 | 0.83 | C B | 0.099 | 0.0011 |
| 38411-22-2 | PCB-136 | 0.41 | B | 0.049 | 0.00082 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *0.17* | | *0.049* | *0.0021* |
| *35065-28-2* | *PCB-138* | *2.8* | *C129 B* | *0.20* | *0.0020* |
| *56030-56-9* | *PCB-139* | *0.061* | *J C* | *0.099* | *0.0022* |
| *59291-64-4* | *PCB-140* | *0.061* | *J C139* | *0.099* | *0.0022* |
| *52712-04-6* | *PCB-141* | *0.46* | | *0.049* | *0.0023* |
| *41411-61-4* | *PCB-142* | *ND* | | *0.049* | *0.0026* |
| *68194-15-0* | *PCB-143* | *0.19* | *C134* | *0.099* | *0.0026* |
| *68194-14-9* | *PCB-144* | *0.13* | | *0.049* | *0.0010* |
| *74472-40-5* | *PCB-145* | *0.0037* | *J q* | *0.049* | *0.00079* |
| *51908-16-8* | *PCB-146* | *0.35* | *B* | *0.049* | *0.0022* |
| *68194-13-8* | *PCB-147* | *1.9* | *C B* | *0.099* | *0.0023* |
| *74472-41-6* | *PCB-148* | *ND* | | *0.049* | *0.0011* |
| *38380-04-0* | *PCB-149* | *1.9* | *C147 B* | *0.099* | *0.0023* |
| *68194-08-1* | *PCB-150* | *0.0033* | *J q* | *0.049* | *0.00076* |
| *52663-63-5* | *PCB-151* | *0.83* | *C135 B* | *0.099* | *0.0011* |
| *68194-09-2* | *PCB-152* | *0.0036* | *J* | *0.049* | *0.00075* |
| *35065-27-1* | *PCB-153* | *1.8* | *C B* | *0.099* | *0.0018* |
| *60145-22-4* | *PCB-154* | *0.028* | *J q* | *0.049* | *0.00093* |
| *33979-03-2* | *PCB-155* | *ND* | | *0.049* | *0.00072* |
| *38380-08-4* | *PCB-156* | *0.41* | *C* | *0.099* | *0.0021* |
| *69782-90-7* | *PCB-157* | *0.41* | *C156* | *0.099* | *0.0021* |
| *74472-42-7* | *PCB-158* | *0.32* | | *0.049* | *0.0016* |
| *39635-35-3* | *PCB-159* | *0.014* | *J* | *0.049* | *0.0017* |
| *41411-62-5* | *PCB-160* | *2.8* | *C129 B* | *0.20* | *0.0020* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.049* | *0.0016* |
| *39635-34-2* | *PCB-162* | *0.012* | *J* | *0.049* | *0.0016* |
| *74472-44-9* | *PCB-163* | *2.8* | *C129 B* | *0.20* | *0.0020* |
| *74472-45-0* | *PCB-164* | *0.19* | | *0.049* | *0.0018* |
| *74472-46-1* | *PCB-165* | *ND* | | *0.049* | *0.0020* |
| *41411-63-6* | *PCB-166* | *0.52* | *C128 B* | *0.099* | *0.0020* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-72-6* | *PCB-167* | *0.11* | | *0.049* | *0.0014* |
| *59291-65-5* | *PCB-168* | *1.8* | *C153 B* | *0.099* | *0.0018* |
| *32774-16-6* | *PCB-169* | *ND* | | *0.049* | *0.0015* |
| *35065-30-6* | *PCB-170* | *0.35* | *B* | *0.049* | *0.0014* |
| *52663-71-5* | *PCB-171* | *0.13* | *C* | *0.099* | *0.0014* |
| *52663-74-8* | *PCB-172* | *0.061* | | *0.049* | *0.0013* |
| *68194-16-1* | *PCB-173* | *0.13* | *C171* | *0.099* | *0.0014* |
| *38411-25-5* | *PCB-174* | *0.31* | *B* | *0.049* | *0.0014* |
| *40186-70-7* | *PCB-175* | *0.014* | *J q* | *0.049* | *0.0012* |
| *52663-65-7* | *PCB-176* | *0.044* | *J* | *0.049* | *0.00087* |
| *52663-70-4* | *PCB-177* | *0.19* | *B* | *0.049* | *0.0014* |
| *52663-67-9* | *PCB-178* | *0.057* | | *0.049* | *0.0013* |
| *52663-64-6* | *PCB-179* | *0.12* | | *0.049* | *0.00094* |
| *35065-29-3* | *PCB-180* | *0.59* | *C B* | *0.099* | *0.0011* |
| *74472-47-2* | *PCB-181* | *0.0086* | *J q* | *0.049* | *0.0012* |
| *60145-23-5* | *PCB-182* | *0.0044* | *J* | *0.049* | *0.0012* |
| *52663-69-1* | *PCB-183* | *0.22* | *C B* | *0.099* | *0.0012* |
| *74472-48-3* | *PCB-184* | *ND* | | *0.049* | *0.00094* |
| *52712-05-7* | *PCB-185* | *0.22* | *C183 B* | *0.099* | *0.0012* |
| *74472-49-4* | *PCB-186* | *ND* | | *0.049* | *0.00092* |
| *52663-68-0* | *PCB-187* | *0.30* | *B* | *0.049* | *0.0012* |
| *74487-85-7* | *PCB-188* | *ND* | | *0.049* | *0.00083* |
| *39635-31-9* | *PCB-189* | *0.014* | *J q* | *0.049* | *0.00095* |
| *41411-64-7* | *PCB-190* | *0.071* | *B* | *0.049* | *0.00096* |
| *74472-50-7* | *PCB-191* | *0.018* | *J* | *0.049* | *0.00096* |
| *74472-51-8* | *PCB-192* | *ND* | | *0.049* | *0.0010* |
| *69782-91-8* | *PCB-193* | *0.59* | *C180 B* | *0.099* | *0.0011* |
| *35694-08-7* | *PCB-194* | *0.11* | | *0.049* | *0.0017* |
| *52663-78-2* | *PCB-195* | *0.047* | *J* | *0.049* | *0.0020* |
| *42740-50-1* | *PCB-196* | *0.065* | | *0.049* | *0.0010* |
| *33091-17-7* | *PCB-197* | *0.0019* | *J q* | *0.049* | *0.00074* |
| *68194-17-2* | *PCB-198* | *0.12* | *C B* | *0.099* | *0.0011* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *0.12* | *C198 B* | *0.099* | *0.0011* |
| *52663-73-7* | *PCB-200* | *0.020* | *J* | *0.049* | *0.00079* |
| *40186-71-8* | *PCB-201* | *0.015* | *J q* | *0.049* | *0.00075* |
| *2136-99-4* | *PCB-202* | *0.027* | *J* | *0.049* | *0.00084* |
| *52663-76-0* | *PCB-203* | *0.086* | | *0.049* | *0.00096* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.049* | *0.00080* |
| *74472-53-0* | *PCB-205* | *0.0060* | *J q* | *0.049* | *0.0013* |
| *40186-72-9* | *PCB-206* | *0.077* | | *0.049* | *0.0038* |
| *52663-79-3* | *PCB-207* | *ND* | | *0.049* | *0.0029* |
| *52663-77-1* | *PCB-208* | *ND* | | *0.049* | *0.0032* |
| *2051-24-3* | *PCB-209* | *0.0091* | *J q* | *0.049* | *0.00068* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *0.0058* | *J* | *0.049* | *0.0013* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *0.046* | *J q B* | *0.099* | *0.0018* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *0.23* | *q* | *0.099* | *0.0013* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *4.0* | *q B* | *0.20* | *0.0063* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *19* | *q B* | *0.30* | *0.0028* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *12* | *q B* | *0.20* | *0.0017* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *2.5* | *q B* | *0.099* | *0.0011* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *0.50* | *q B* | *0.099* | *0.0011* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *0.077* | | *0.049* | *0.0033* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *38* | *q B* | *0.30* | *0.0022* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-100to110-82719  Lab Sample ID: 580-88908-34

Matrix: Solid  Lab File ID: 580-88908-a-34-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 17:35

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 14.25(g)  Date Analyzed: 10/04/2019 03:57

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 29.1  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 59 | | 30-140 |
| 208263-77-8 | PCB-3L | 69 | | 30-140 |
| 234432-86-1 | PCB-4L | 71 | | 30-140 |
| 208263-67-6 | PCB-15L | 78 | | 30-140 |
| 234432-87-2 | PCB-19L | 68 | | 30-140 |
| 208263-79-0 | PCB-37L | 87 | | 30-140 |
| 234432-88-3 | PCB-54L | 74 | | 30-140 |
| 105600-23-5 | PCB-77L | 90 | | 30-140 |
| 208461-24-9 | PCB-81L | 85 | | 30-140 |
| 234432-89-4 | PCB-104L | 90 | | 30-140 |
| 208263-62-1 | PCB-105L | 82 | | 30-140 |
| 208263-63-2 | PCB-114L | 79 | | 30-140 |
| 104130-40-7 | PCB-118L | 85 | | 30-140 |
| 208263-64-3 | PCB-123L | 81 | | 30-140 |
| 208263-65-4 | PCB-126L | 89 | | 30-140 |
| 234432-90-7 | PCB-155L | 97 | | 30-140 |
| 208263-68-7 | PCB-156L | 82 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 82 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 82 | | 30-140 |
| 208263-70-1 | PCB-169L | 94 | | 30-140 |
| 160901-80-4 | PCB-170L | 80 | | 30-140 |
| 234432-91-8 | PCB-188L | 84 | | 30-140 |
| 208263-73-4 | PCB-189L | 82 | | 30-140 |
| 105600-26-8 | PCB-202L | 99 | | 30-140 |
| 234446-64-1 | PCB-205L | 81 | | 30-140 |
| 208263-75-6 | PCB-206L | 84 | | 30-140 |
| 234432-92-9 | PCB-208L | 84 | | 30-140 |
| 105600-27-9 | PCB-209L | 87 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 81 | | 40-125 |
| 235416-29-2 | PCB-111L | 93 | | 40-125 |
| 232919-67-4 | PCB-178L | 93 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d
Lims ID: 580-88908-A-34-C
Client ID: J5-SC1b-100to110-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 03:57:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:08:50 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: layk Date: 04-Oct-2019 10:30:37

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 0.1164 | 0.1164 | 0.0256 | 0.0256 | | |
| D PCB-1L | 12:00 | 418674 | 2.78 | 1.3140 | 11.8 | 11.8 | 0.3241 | 0.3241 | 58.75 | M |
| D PCB-3L | 14:04 | 506058 | 3.29 | 1.3615 | 13.7 | 13.7 | 0.3128 | 0.3128 | 68.54 | M |
| PCB-1 | 12:00 | 2895 | 3.35 | 1.1883 | 0.1164 | 0.1164 | 0.0243 | 0.0243 | | M |
| PCB-2 | 13:42 | | | | | | 0.0256 | 0.0256 | | |
| PCB-3 | 14:04 | | | | | | 0.0267 | 0.0267 | | RQU |
| S Total Dichlorobiphenyls | | | | | 1.077 | 0.9271 | 0.0365 | 0.0365 | | RQ |
| D PCB-4L | 14:18 | 230631 | 1.69 | 0.5996 | 14.2 | 14.2 | 0.4186 | 0.4186 | 70.93 | |
| * PCB-9L | 16:12 | 542299 | 1.68 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:03 | 435650 | 1.64 | 1.0280 | 15.6 | 15.6 | 0.2441 | 0.2441 | 78.14 | M |
| PCB-4 | 14:16 | 3100 | 1.56 | 1.2533 | 0.3136 | 0.2145 | 0.0695 | 0.0695 | | RQ |
| PCB-10 | 14:19 | | | | | | 0.0362 | 0.0362 | | |
| PCB-9 | 16:06 | | | | | | 0.0378 | 0.0378 | | |
| PCB-7 | 16:16 | | | | | | 0.0331 | 0.0331 | | |
| PCB-6 | 16:30 | | | | | | 0.0346 | 0.0346 | | |
| PCB-5 | 16:49 | | | | | | 0.0344 | 0.0344 | | |
| PCB-8 | 17:02 | 10721 | 1.56 | 1.5884 | 0.4456 | 0.4052 | 0.0338 | 0.0338 | | RQa |
| PCB-14 | 18:33 | | | | | | 0.0287 | 0.0287 | | |
| PCB-11 | 19:29 | 3743 | 1.56 | 1.6347 | 0.1481 | 0.1375 | 0.0329 | 0.0329 | | RQa |
| PCB-12 | 19:42 | | | | | | 0.0327 | 0.0327 | | |
| PCB-13 (C12) | 19:42 | | | | | | 0.0327 | 0.0327 | | |
| PCB-15 | 20:04 | 5191 | 1.69 | 1.4024 | 0.1699 | 0.1699 | 0.0277 | 0.0277 | | |
| S Total Trichlorobiphenyl | | | | | 4.837 | 4.740 | 0.0262 | 0.0262 | | RQ |
| D PCB-19L | 17:19 | 166218 | 1.05 | 0.6095 | 13.6 | 13.6 | 0.7938 | 0.7938 | 68.23 | |
| * PCB-32L | 20:31 | 399737 | 1.15 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:45 | 787189 | 1.04 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:03 | 701016 | 1.05 | 1.0975 | 16.2 | 16.2 | 0.1721 | 0.1721 | 81.14 | |
| D PCB-37L | 27:01 | 617621 | 1.07 | 0.9024 | 17.4 | 17.4 | 0.2093 | 0.2093 | 86.94 | |
| PCB-19 | 17:21 | 1357 | 1.05 | 1.3047 | 0.1251 | 0.1251 | 0.0409 | 0.0409 | | |
| PCB-18 | 19:10 | 10214 | 1.04 | 1.8188 | 0.7375 | 0.6757 | 0.0293 | 0.0293 | | RQ |
| PCB-30 (C18) | 19:10 | 10214 | 1.04 | 1.8188 | 0.7375 | 0.6757 | 0.0293 | 0.0293 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:34 | 4154 | 0.96 | 1.5641 | 0.3196 | 0.3196 | 0.0341 | 0.0341 | | |
| PCB-27 | 19:48 | 853 | 1.04 | 2.1680 | 0.0605 | 0.0473 | 0.0246 | 0.0246 | | RQ |
| PCB-24 | 19:55 | 145 | 1.04 | 2.1018 | 0.0156 | 0.008301 | 0.0254 | 0.0254 | | RQMa |
| PCB-16 | 20:02 | 3377 | 1.12 | 1.2260 | 0.3314 | 0.3314 | 0.0435 | 0.0435 | | M |
| PCB-32 | 20:32 | 3357 | 1.04 | 2.3416 | 0.1875 | 0.1725 | 0.0228 | 0.0228 | | RQ |
| PCB-34 | 21:44 | | | | | | 0.0251 | 0.0251 | | |
| PCB-23 | 21:53 | | | | | | 0.0241 | 0.0241 | | |
| PCB-26 | 22:14 | 6234 | 1.02 | 1.3193 | 0.1530 | 0.1530 | 0.0231 | 0.0231 | | |
| PCB-29 (C26) | 22:14 | 6234 | 1.02 | 1.3193 | 0.1530 | 0.1530 | 0.0231 | 0.0231 | | |
| PCB-25 | 22:28 | 3873 | 0.89 | 1.3523 | 0.0927 | 0.0927 | 0.0226 | 0.0226 | | a |
| PCB-31 | 22:47 | 38997 | 1.01 | 1.3809 | 0.9145 | 0.9145 | 0.0221 | 0.0221 | | a |
| PCB-20 | 23:04 | 29136 | 0.94 | 1.3057 | 0.7226 | 0.7226 | 0.0234 | 0.0234 | | |
| PCB-28 (C20) | 23:04 | 29136 | 0.94 | 1.3057 | 0.7226 | 0.7226 | 0.0234 | 0.0234 | | |
| PCB-21 | 23:18 | 18555 | 1.07 | 1.3777 | 0.4361 | 0.4361 | 0.0222 | 0.0222 | | |
| PCB-33 (C21) | 23:18 | 18555 | 1.07 | 1.3777 | 0.4361 | 0.4361 | 0.0222 | 0.0222 | | |
| PCB-22 | 23:42 | 12648 | 0.98 | 1.2430 | 0.3295 | 0.3295 | 0.0246 | 0.0246 | | a |
| PCB-36 | 25:23 | 7177 | 0.90 | 1.3468 | 0.1726 | 0.1726 | 0.0227 | 0.0227 | | a |
| PCB-39 | 25:52 | | | | | | 0.0219 | 0.0219 | | Ua |
| PCB-38 | 26:10 | | | | | | 0.0232 | 0.0232 | | |
| PCB-35 | 26:37 | | | | | | 0.0251 | 0.0251 | | |
| PCB-37 | 27:03 | 9501 | 1.12 | 1.2879 | 0.2389 | 0.2389 | 0.0237 | 0.0237 | | a |
| S Total Tetrachlorobiphen | | | | | 82.0 | 81.9 | 0.1271 | 0.1271 | | RQ |
| D PCB-54L | 20:20 | 193037 | 0.78 | 0.6515 | 14.8 | 14.8 | 0.1348 | 0.1348 | 74.13 | |
| * PCB-52L | 24:52 | 453234 | 0.84 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:46 | 472288 | 0.80 | 1.2328 | 16.9 | 16.9 | 0.0711 | 0.0711 | 84.52 | |
| D PCB-77L | 34:19 | 509889 | 0.77 | 1.2523 | 18.0 | 18.0 | 0.0700 | 0.0700 | 89.84 | |
| PCB-54 | 20:18 | | | | | | 0.008179 | 0.008179 | | |
| PCB-50 | 22:30 | 13722 | 0.81 | 0.9362 | 0.5969 | 0.5969 | 0.1636 | 0.1636 | | |
| PCB-53 (C50) | 22:30 | 13722 | 0.81 | 0.9362 | 0.5969 | 0.5969 | 0.1636 | 0.1636 | | |
| PCB-45 | 23:13 | | | | | | 0.1730 | 0.1730 | | |
| PCB-51 (C45) | 23:13 | | | | | | 0.1730 | 0.1730 | | |
| PCB-46 | 23:26 | | | | | | 0.2017 | 0.2017 | | |
| PCB-52 | 24:53 | 730783 | 0.79 | 0.8992 | 33.1 | 33.1 | 0.1703 | 0.1703 | | |
| PCB-43 | 25:00 | | | | | | 0.1532 | 0.1532 | | |
| PCB-73 (C43) | 25:00 | | | | | | 0.1532 | 0.1532 | | |
| PCB-49 | 25:23 | 140717 | 0.78 | 1.1366 | 5.042 | 5.042 | 0.1347 | 0.1347 | | |
| PCB-69 (C49) | 25:23 | 140717 | 0.78 | 1.1366 | 5.042 | 5.042 | 0.1347 | 0.1347 | | |
| PCB-48 | 25:40 | 7534 | 0.77 | 0.9454 | 0.3593 | 0.3246 | 0.1620 | 0.1620 | | RQ |
| PCB-44 | 25:52 | 263906 | 0.80 | 1.0323 | 10.4 | 10.4 | 0.1483 | 0.1483 | | |
| PCB-47 (C44) | 25:52 | 263906 | 0.80 | 1.0323 | 10.4 | 10.4 | 0.1483 | 0.1483 | | |
| PCB-65 (C44) | 25:52 | 263906 | 0.80 | 1.0323 | 10.4 | 10.4 | 0.1483 | 0.1483 | | |
| PCB-59 | 26:11 | | | | | | 0.1125 | 0.1125 | | |
| PCB-62 (C59) | 26:11 | | | | | | 0.1125 | 0.1125 | | |
| PCB-75 (C59) | 26:11 | | | | | | 0.1125 | 0.1125 | | |
| PCB-42 | 26:24 | 15656 | 0.68 | 0.8670 | 0.7354 | 0.7354 | 0.1766 | 0.1766 | | |
| PCB-40 | 26:53 | 31338 | 0.72 | 0.9179 | 1.390 | 1.390 | 0.1668 | 0.1668 | | Ma |
| PCB-41 (C40) | 26:53 | 31338 | 0.72 | 0.9179 | 1.390 | 1.390 | 0.1668 | 0.1668 | | Ma |
| PCB-71 (C40) | 26:53 | 31338 | 0.72 | 0.9179 | 1.390 | 1.390 | 0.1668 | 0.1668 | | Ma |
| PCB-64 | 27:06 | 84866 | 0.76 | 1.4164 | 2.440 | 2.440 | 0.1081 | 0.1081 | | M |
| PCB-72 | 27:56 | | | | | | 0.1164 | 0.1164 | | |
| PCB-68 | 28:13 | | | | | | 0.1036 | 0.1036 | | |
| PCB-57 | 28:38 | | | | | | 0.1195 | 0.1195 | | |
| PCB-58 | 28:52 | | | | | | 0.1159 | 0.1159 | | |
| PCB-67 | 29:02 | | | | | | 0.1098 | 0.1098 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:18 | 6983 | 0.76 | 1.4685 | 0.1937 | 0.1937 | 0.1043 | 0.1043 | | |
| PCB-61 | 29:38 | 666452 | 0.79 | 1.3565 | 20.0 | 20.0 | 0.1129 | 0.1129 | | |
| PCB-70 (C61) | 29:38 | 666452 | 0.79 | 1.3565 | 20.0 | 20.0 | 0.1129 | 0.1129 | | |
| PCB-74 (C61) | 29:38 | 666452 | 0.79 | 1.3565 | 20.0 | 20.0 | 0.1129 | 0.1129 | | |
| PCB-76 (C61) | 29:38 | 666452 | 0.79 | 1.3565 | 20.0 | 20.0 | 0.1129 | 0.1129 | | |
| PCB-66 | 29:58 | 138682 | 0.80 | 1.2800 | 4.413 | 4.413 | 0.1196 | 0.1196 | | |
| PCB-55 | 30:08 | | | | | | 0.1182 | 0.1182 | | |
| PCB-56 | 30:39 | 61389 | 0.77 | 1.2671 | 1.973 | 1.973 | 0.1208 | 0.1208 | | |
| PCB-60 | 30:52 | 24372 | 0.80 | 1.3288 | 0.7470 | 0.7470 | 0.1152 | 0.1152 | | |
| PCB-80 | 31:16 | | | | | | 0.1042 | 0.1042 | | |
| PCB-79 | 32:47 | 8535 | 0.77 | 1.5421 | 0.3023 | 0.2254 | 0.0993 | 0.0993 | | RQ |
| PCB-78 | 33:20 | | | | | | 0.1164 | 0.1164 | | |
| PCB-81 | 33:44 | 3545 | 0.77 | 1.3214 | 0.1325 | 0.1136 | 0.1196 | 0.1196 | | RQMa |
| PCB-77 | 34:20 | 5971 | 0.77 | 1.3308 | 0.1940 | 0.1760 | 0.1116 | 0.1116 | | RQ |
| S Total Pentachlorobiphen | | | | | 384.6 | 384.4 | 0.0575 | 0.0575 | | RQ |
| D PCB-104L | 25:49 | 354064 | 1.56 | 1.1164 | 17.9 | 17.9 | 0.0349 | 0.0349 | 89.54 | |
| * PCB-101L | 31:41 | 354203 | 1.69 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:23 | 399417 | 1.65 | 1.2177 | 18.5 | 18.5 | 0.0320 | 0.0320 | 92.61 | |
| D PCB-123L | 36:20 | 440400 | 1.60 | 0.9909 | 16.2 | 16.2 | 0.2994 | 0.2994 | 81.11 | |
| D PCB-118L | 36:40 | 477229 | 1.55 | 1.0256 | 17.0 | 17.0 | 0.2893 | 0.2893 | 84.92 | |
| D PCB-114L | 37:11 | 434963 | 1.60 | 1.0030 | 15.8 | 15.8 | 0.2958 | 0.2958 | 79.15 | |
| D PCB-105L | 37:50 | 451858 | 1.59 | 1.0013 | 16.5 | 16.5 | 0.2963 | 0.2963 | 82.36 | |
| * PCB-127L | 39:19 | 547932 | 1.61 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:54 | 438002 | 1.51 | 0.9020 | 17.7 | 17.7 | 0.3289 | 0.3289 | 88.62 | |
| PCB-104 | 25:49 | | | | | | 0.0404 | 0.0404 | | |
| PCB-96 | 26:11 | 5740 | 1.55 | 1.2268 | 0.3070 | 0.2643 | 0.0459 | 0.0459 | | RQMa |
| PCB-103 | 28:08 | 4656 | 1.55 | 1.0331 | 0.2912 | 0.2546 | 0.0545 | 0.0545 | | RQM |
| PCB-94 | 28:20 | 2664 | 1.34 | 0.9036 | 0.1665 | 0.1665 | 0.0623 | 0.0623 | | M |
| PCB-95 | 28:47 | 926539 | 1.60 | 0.9620 | 54.4 | 54.4 | 0.0585 | 0.0585 | | M |
| PCB-93 | 28:56 | 10074 | 1.44 | 0.9806 | 0.5803 | 0.5803 | 0.0574 | 0.0574 | | Ma |
| PCB-100 (C93) | 28:56 | 10074 | 1.44 | 0.9806 | 0.5803 | 0.5803 | 0.0574 | 0.0574 | | Ma |
| PCB-98 | 29:09 | 24761 | 1.76 | 0.9888 | 1.414 | 1.414 | 0.0569 | 0.0569 | | |
| PCB-102 (C98) | 29:09 | 24761 | 1.76 | 0.9888 | 1.414 | 1.414 | 0.0569 | 0.0569 | | |
| PCB-88 | 29:38 | 123348 | 1.62 | 1.0052 | 6.931 | 6.931 | 0.0560 | 0.0560 | | |
| PCB-91 (C88) | 29:38 | 123348 | 1.62 | 1.0052 | 6.931 | 6.931 | 0.0560 | 0.0560 | | |
| PCB-84 | 29:51 | 271013 | 1.59 | 0.8601 | 17.8 | 17.8 | 0.0654 | 0.0654 | | |
| PCB-89 | 30:20 | 8678 | 1.76 | 0.8936 | 0.5486 | 0.5486 | 0.0630 | 0.0630 | | |
| PCB-121 | 30:45 | | | | | | 0.0403 | 0.0403 | | |
| PCB-92 | 31:08 | 200523 | 1.52 | 0.9532 | 11.9 | 11.9 | 0.0590 | 0.0590 | | |
| PCB-90 | 31:43 | 1232530 | 1.62 | 1.1367 | 61.2 | 61.2 | 0.0495 | 0.0495 | | |
| PCB-101 (C90) | 31:43 | 1232530 | 1.62 | 1.1367 | 61.2 | 61.2 | 0.0495 | 0.0495 | | |
| PCB-113 (C90) | 31:43 | 1232530 | 1.62 | 1.1367 | 61.2 | 61.2 | 0.0495 | 0.0495 | | |
| PCB-83 | 32:18 | 501318 | 1.59 | 0.9393 | 30.1 | 30.1 | 0.0599 | 0.0599 | | M |
| PCB-99 (C83) | 32:18 | 501318 | 1.59 | 0.9393 | 30.1 | 30.1 | 0.0599 | 0.0599 | | M |
| PCB-112 | 32:26 | 1557 | 1.55 | 1.3672 | 0.1054 | 0.0643 | 0.0412 | 0.0412 | | RQMa |
| PCB-86 | 32:53 | 883699 | 1.57 | 1.1958 | 41.7 | 41.7 | 0.0471 | 0.0471 | | M |
| PCB-87 (C86) | 32:53 | 883699 | 1.57 | 1.1958 | 41.7 | 41.7 | 0.0471 | 0.0471 | | M |
| PCB-97 (C86) | 32:53 | 883699 | 1.57 | 1.1958 | 41.7 | 41.7 | 0.0471 | 0.0471 | | M |
| PCB-109 (C86) | 32:53 | 883699 | 1.57 | 1.1958 | 41.7 | 41.7 | 0.0471 | 0.0471 | | M |
| PCB-119 (C86) | 32:53 | 883699 | 1.57 | 1.1958 | 41.7 | 41.7 | 0.0471 | 0.0471 | | M |
| PCB-125 (C86) | 32:53 | 883699 | 1.57 | 1.1958 | 41.7 | 41.7 | 0.0471 | 0.0471 | | M |
| PCB-85 | 33:31 | 184543 | 1.64 | 1.2126 | 8.596 | 8.596 | 0.0464 | 0.0464 | | |
| PCB-116 (C85) | 33:31 | 184543 | 1.64 | 1.2126 | 8.596 | 8.596 | 0.0464 | 0.0464 | | |
| PCB-117 (C85) | 33:31 | 184543 | 1.64 | 1.2126 | 8.596 | 8.596 | 0.0464 | 0.0464 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:41 | 1667630 | 1.59 | 1.3511 | 69.7 | 69.7 | 0.0417 | 0.0417 | | |
| PCB-115 (C110) | 33:41 | 1667630 | 1.59 | 1.3511 | 69.7 | 69.7 | 0.0417 | 0.0417 | | |
| PCB-82 | 34:00 | 114607 | 1.57 | 0.8675 | 7.463 | 7.463 | 0.0649 | 0.0649 | | |
| PCB-111 | 34:24 | | | | | | 0.0395 | 0.0395 | | |
| PCB-120 | 34:51 | | | | | | 0.0378 | 0.0378 | | |
| PCB-108 | 36:00 | 60223 | 1.54 | 1.2547 | 2.140 | 2.140 | 0.0718 | 0.0718 | | |
| PCB-124 (C108) | 36:00 | 60223 | 1.54 | 1.2547 | 2.140 | 2.140 | 0.0718 | 0.0718 | | |
| PCB-107 | 36:14 | 90922 | 1.59 | 1.3580 | 2.986 | 2.986 | 0.0663 | 0.0663 | | M |
| PCB-123 | 36:21 | 20392 | 1.49 | 1.3407 | 0.6908 | 0.6908 | 0.0664 | 0.0664 | | Ma |
| PCB-106 | 36:28 | | | | | | 0.0706 | 0.0706 | | |
| PCB-118 | 36:41 | 1378991 | 1.53 | 1.2892 | 44.8 | 44.8 | 0.0653 | 0.0653 | | |
| PCB-122 | 37:01 | 18165 | 1.50 | 1.1614 | 0.6975 | 0.6975 | 0.0775 | 0.0775 | | |
| PCB-114 | 37:12 | 40765 | 1.37 | 1.4051 | 1.334 | 1.334 | 0.0662 | 0.0662 | | |
| PCB-105 | 37:51 | 532660 | 1.56 | 1.2887 | 18.3 | 18.3 | 0.0692 | 0.0692 | | |
| PCB-127 | 39:23 | 4973 | 1.55 | 1.2841 | 0.1727 | 0.1727 | 0.0701 | 0.0701 | | Ma |
| PCB-126 | 40:57 | 1882 | 1.55 | 1.3416 | 0.0714 | 0.0641 | 0.0714 | 0.0714 | | RQMa |
| S Total Hexachlorobipheny | | | | | 245.2 | 245.2 | 0.0349 | 0.0349 | | RQ |
| D PCB-155L | 31:28 | 326311 | 1.22 | 0.9499 | 19.4 | 19.4 | 0.0459 | 0.0459 | 96.99 | |
| * PCB-138L | 39:47 | 437776 | 1.27 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:47 | 450983 | 1.27 | 1.2544 | 16.4 | 16.4 | 0.1044 | 0.1044 | 82.12 | |
| D PCB-156L | 43:56 | 884720 | 1.31 | 1.2289 | 32.9 | 32.9 | 0.1066 | 0.1066 | 82.22 | |
| D PCB-157L (C156L) | 43:56 | 884720 | 1.31 | 1.2289 | 32.9 | 32.9 | 0.1066 | 0.1066 | 82.22 | |
| D PCB-169L | 47:10 | 448312 | 1.33 | 1.0883 | 18.8 | 18.8 | 0.1204 | 0.1204 | 94.09 | |
| PCB-155 | 31:30 | | | | | | 0.0146 | 0.0146 | | |
| PCB-152 | 31:41 | 1470 | 1.20 | 1.2556 | 0.0718 | 0.0718 | 0.0152 | 0.0152 | | |
| PCB-150 | 31:51 | 1358 | 1.24 | 1.2368 | 0.0752 | 0.0673 | 0.0154 | 0.0154 | | RQ |
| PCB-136 | 32:13 | 156839 | 1.23 | 1.1563 | 8.313 | 8.313 | 0.0165 | 0.0165 | | |
| PCB-145 | 32:30 | 1455 | 1.24 | 1.1910 | 0.0814 | 0.0749 | 0.0160 | 0.0160 | | RQ |
| PCB-148 | 34:02 | | | | | | 0.0212 | 0.0212 | | |
| PCB-135 | 34:36 | 237754 | 1.28 | 0.8691 | 16.8 | 16.8 | 0.0220 | 0.0220 | | |
| PCB-151 (C135) | 34:36 | 237754 | 1.28 | 0.8691 | 16.8 | 16.8 | 0.0220 | 0.0220 | | |
| PCB-154 | 34:52 | 9390 | 1.24 | 1.0180 | 0.6199 | 0.5653 | 0.0187 | 0.0187 | | RQ |
| PCB-144 | 35:11 | 39720 | 1.31 | 0.9185 | 2.651 | 2.651 | 0.0208 | 0.0208 | | |
| PCB-147 | 35:32 | 848110 | 1.28 | 0.9747 | 39.0 | 39.0 | 0.0456 | 0.0456 | | M |
| PCB-149 (C147) | 35:32 | 848110 | 1.28 | 0.9747 | 39.0 | 39.0 | 0.0456 | 0.0456 | | M |
| PCB-134 | 35:44 | 74357 | 1.22 | 0.8518 | 3.914 | 3.914 | 0.0522 | 0.0522 | | |
| PCB-143 (C134) | 35:44 | 74357 | 1.22 | 0.8518 | 3.914 | 3.914 | 0.0522 | 0.0522 | | |
| PCB-139 | 36:08 | 27574 | 1.19 | 0.9995 | 1.237 | 1.237 | 0.0445 | 0.0445 | | |
| PCB-140 (C139) | 36:08 | 27574 | 1.19 | 0.9995 | 1.237 | 1.237 | 0.0445 | 0.0445 | | |
| PCB-131 | 36:20 | 21326 | 1.22 | 0.8584 | 1.114 | 1.114 | 0.0518 | 0.0518 | | |
| PCB-142 | 36:29 | | | | | | 0.0517 | 0.0517 | | |
| PCB-132 | 36:48 | 428461 | 1.24 | 0.8801 | 21.8 | 21.8 | 0.0505 | 0.0505 | | |
| PCB-133 | 37:18 | 15929 | 1.30 | 0.9064 | 0.7881 | 0.7881 | 0.0491 | 0.0491 | | |
| PCB-165 | 37:42 | | | | | | 0.0397 | 0.0397 | | |
| PCB-146 | 37:57 | 157450 | 1.30 | 1.0084 | 7.002 | 7.002 | 0.0441 | 0.0441 | | M |
| PCB-161 | 38:06 | 827 | 1.24 | 1.3370 | 0.0375 | 0.0277 | 0.0333 | 0.0333 | | RQMa |
| PCB-153 | 38:34 | 979081 | 1.24 | 1.2207 | 36.0 | 36.0 | 0.0364 | 0.0364 | | |
| PCB-168 (C153) | 38:34 | 979081 | 1.24 | 1.2207 | 36.0 | 36.0 | 0.0364 | 0.0364 | | |
| PCB-141 | 38:45 | 198478 | 1.28 | 0.9608 | 9.264 | 9.264 | 0.0463 | 0.0463 | | |
| PCB-130 | 39:10 | 76154 | 1.25 | 0.8274 | 4.127 | 4.127 | 0.0538 | 0.0538 | | |
| PCB-137 | 39:23 | 81467 | 1.31 | 1.0582 | 3.452 | 3.452 | 0.0420 | 0.0420 | | |
| PCB-164 | 39:29 | 107993 | 1.20 | 1.2527 | 3.866 | 3.866 | 0.0355 | 0.0355 | | |
| PCB-129 | 39:48 | 1382430 | 1.26 | 1.0840 | 57.2 | 57.2 | 0.0410 | 0.0410 | | |
| PCB-138 (C129) | 39:48 | 1382430 | 1.26 | 1.0840 | 57.2 | 57.2 | 0.0410 | 0.0410 | | |
| PCB-160 (C129) | 39:48 | 1382430 | 1.26 | 1.0840 | 57.2 | 57.2 | 0.0410 | 0.0410 | | |
| PCB-163 (C129) | 39:48 | 1382430 | 1.26 | 1.0840 | 57.2 | 57.2 | 0.0410 | 0.0410 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:12 | 198947 | 1.32 | 1.3862 | 6.436 | 6.436 | 0.0321 | 0.0321 | | |
| PCB-128 | 41:04 | 260152 | 1.24 | 1.1165 | 10.4 | 10.4 | 0.0398 | 0.0398 | | |
| PCB-166 (C128) | 41:04 | 260152 | 1.24 | 1.1165 | 10.4 | 10.4 | 0.0398 | 0.0398 | | |
| PCB-159 | 42:00 | 8272 | 1.31 | 1.3178 | 0.2815 | 0.2815 | 0.0338 | 0.0338 | | M |
| PCB-162 | 42:20 | 7116 | 1.25 | 1.3623 | 0.2342 | 0.2342 | 0.0327 | 0.0327 | | |
| PCB-167 | 42:48 | 68112 | 1.24 | 1.3357 | 2.262 | 2.262 | 0.0283 | 0.0283 | | |
| PCB-156 | 43:56 | 231320 | 1.28 | 1.2759 | 8.197 | 8.197 | 0.0422 | 0.0422 | | |
| PCB-157 (C156) | 43:56 | 231320 | 1.28 | 1.2759 | 8.197 | 8.197 | 0.0422 | 0.0422 | | |
| PCB-169 | 47:11 | | | | | | 0.0295 | 0.0295 | | |
| S Total Heptachlorobiphen | | | | | 50.8 | 50.7 | 0.0228 | 0.0228 | | RQ |
| D PCB-188L | 37:11 | 402681 | 1.10 | 1.3162 | 16.8 | 16.8 | 0.0306 | 0.0306 | 84.24 | |
| $ PCB-178L | 40:13 | 311086 | 0.99 | 0.9222 | 18.6 | 18.6 | 0.0436 | 0.0436 | 92.88 | |
| * PCB-180L | 45:20 | 363189 | 1.10 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:36 | 241827 | 1.12 | 0.8357 | 15.9 | 15.9 | 0.0481 | 0.0481 | 79.67 | M |
| D PCB-189L | 49:42 | 488573 | 1.03 | 1.4666 | 16.3 | 16.3 | 0.8370 | 0.8370 | 81.70 | |
| PCB-188 | 37:13 | | | | | | 0.0168 | 0.0168 | | |
| PCB-179 | 37:33 | 54276 | 1.02 | 1.4149 | 2.381 | 2.381 | 0.0190 | 0.0190 | | |
| PCB-184 | 38:05 | | | | | | 0.0189 | 0.0189 | | |
| PCB-176 | 38:26 | 21850 | 1.11 | 1.5212 | 0.8915 | 0.8915 | 0.0176 | 0.0176 | | |
| PCB-186 | 38:53 | | | | | | 0.0187 | 0.0187 | | |
| PCB-178 | 40:17 | 19121 | 0.97 | 1.0228 | 1.160 | 1.160 | 0.0262 | 0.0262 | | |
| PCB-175 | 40:53 | 4735 | 1.05 | 1.0690 | 0.3125 | 0.2749 | 0.0251 | 0.0251 | | RQ |
| PCB-187 | 41:11 | 110184 | 1.03 | 1.1106 | 6.157 | 6.157 | 0.0241 | 0.0241 | | a |
| PCB-182 | 41:20 | 1639 | 0.90 | 1.1484 | 0.0886 | 0.0886 | 0.0234 | 0.0234 | | |
| PCB-183 | 41:47 | 82040 | 1.00 | 1.1368 | 4.479 | 4.479 | 0.0236 | 0.0236 | | |
| PCB-185 (C183) | 41:47 | 82040 | 1.00 | 1.1368 | 4.479 | 4.479 | 0.0236 | 0.0236 | | |
| PCB-174 | 42:01 | 96583 | 1.02 | 0.9547 | 6.279 | 6.279 | 0.0281 | 0.0281 | | |
| PCB-177 | 42:28 | 57979 | 1.08 | 0.9426 | 3.818 | 3.818 | 0.0285 | 0.0285 | | a |
| PCB-181 | 42:52 | 3090 | 1.05 | 1.1075 | 0.1943 | 0.1732 | 0.0242 | 0.0242 | | RQa |
| PCB-171 | 43:05 | 41711 | 1.07 | 0.9603 | 2.696 | 2.696 | 0.0279 | 0.0279 | | |
| PCB-173 (C171) | 43:05 | 41711 | 1.07 | 0.9603 | 2.696 | 2.696 | 0.0279 | 0.0279 | | |
| PCB-172 | 44:42 | 19782 | 1.02 | 0.9918 | 1.238 | 1.238 | 0.0270 | 0.0270 | | |
| PCB-192 | 44:59 | | | | | | 0.0208 | 0.0208 | | |
| PCB-180 | 45:21 | 235134 | 1.04 | 1.2286 | 11.9 | 11.9 | 0.0218 | 0.0218 | | a |
| PCB-193 (C180) | 45:21 | 235134 | 1.04 | 1.2286 | 11.9 | 11.9 | 0.0218 | 0.0218 | | a |
| PCB-191 | 45:42 | 8288 | 0.98 | 1.3848 | 0.3714 | 0.3714 | 0.0194 | 0.0194 | | |
| PCB-170 | 46:36 | 108767 | 1.09 | 1.2700 | 7.083 | 7.083 | 0.0291 | 0.0291 | | |
| PCB-190 | 47:08 | 31913 | 1.09 | 1.3774 | 1.438 | 1.438 | 0.0195 | 0.0195 | | |
| PCB-189 | 49:43 | 8833 | 1.05 | 1.2799 | 0.3095 | 0.2825 | 0.0193 | 0.0193 | | RQM |
| S Total Octachlorobipheny | | | | | 10.2 | 10.1 | 0.0219 | 0.0219 | | RQ |
| D PCB-202L | 42:33 | 360050 | 0.85 | 1.0055 | 19.7 | 19.7 | 0.0329 | 0.0329 | 98.59 | |
| * PCB-194L | 51:49 | 407770 | 0.86 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:17 | 424761 | 0.93 | 1.2867 | 16.2 | 16.2 | 0.2491 | 0.2491 | 80.95 | |
| PCB-202 | 42:35 | 10396 | 0.87 | 1.0531 | 0.5484 | 0.5484 | 0.0170 | 0.0170 | | |
| PCB-201 | 43:31 | 6285 | 0.89 | 1.1860 | 0.3239 | 0.2944 | 0.0151 | 0.0151 | | RQ |
| PCB-204 | 44:12 | | | | | | 0.0163 | 0.0163 | | RnQMUa |
| PCB-197 | 44:22 | 840 | 0.89 | 1.2053 | 0.0598 | 0.0387 | 0.0149 | 0.0149 | | RQ |
| PCB-200 | 44:32 | 8219 | 0.95 | 1.1260 | 0.4054 | 0.4054 | 0.0159 | 0.0159 | | Ma |
| PCB-198 | 47:20 | 35852 | 1.01 | 0.8183 | 2.434 | 2.434 | 0.0219 | 0.0219 | | |
| PCB-199 (C198) | 47:20 | 35852 | 1.01 | 0.8183 | 2.434 | 2.434 | 0.0219 | 0.0219 | | |
| PCB-196 | 47:59 | 20841 | 0.94 | 0.8748 | 1.323 | 1.323 | 0.0205 | 0.0205 | | |
| PCB-203 | 48:11 | 28871 | 0.87 | 0.9219 | 1.740 | 1.740 | 0.0194 | 0.0194 | | |
| PCB-195 | 49:30 | 15784 | 0.90 | 0.7839 | 0.9481 | 0.9481 | 0.0401 | 0.0401 | | a |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:50 | 44143 | 0.89 | 0.9282 | 2.239 | 2.239 | 0.0339 | 0.0339 | | |
| PCB-205 | 52:18 | 3169 | 0.89 | 1.2342 | 0.1378 | 0.1209 | 0.0255 | 0.0255 | | RQ |
| S Total Nonachlorobipheny | | | | | 1.561 | 1.561 | 0.0660 | 0.0660 | | |
| D PCB-208L | 49:14 | 389703 | 0.77 | 1.1383 | 16.8 | 16.8 | 0.4419 | 0.4419 | 83.96 | |
| D PCB-206L | 54:03 | 306051 | 0.79 | 0.8938 | 16.8 | 16.8 | 0.5628 | 0.5628 | 83.97 | |
| PCB-208 | 49:16 | | | | | | 0.0640 | 0.0640 | | |
| PCB-207 | 50:12 | | | | | | 0.0583 | 0.0583 | | |
| PCB-206 | 54:05 | 28498 | 0.77 | 1.1927 | 1.561 | 1.561 | 0.0758 | 0.0758 | | a |
| D PCB-209L | 55:41 | 347973 | 0.75 | 0.9809 | 17.4 | 17.4 | 0.0887 | 0.0887 | 87.00 | |
| DCB Decachlorobiphenyl | 55:43 | 3964 | 0.69 | 1.2455 | 0.2006 | 0.1829 | 0.0138 | 0.0138 | | RQM |
| S Polychlorinated bipheny | | | | | 780.5 | 0.1829 | 0.0452 | 0.0452 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d
Lims ID: 580-88908-A-34-C
Client ID: J5-SC1b-100to110-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 03:57:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:08:50 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: layk Date: 04-Oct-2019 10:30:37

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | M |
| 200.0795 | 12:00 | 11:57 | 15 | 0.740 | 307986 | 91252 | 196 | 490 | 466 | | |
| 202.0766 | 12:00 | 11:57 | 15 | 0.740 | 110688 | 29952 | 1000 | 2500 | 30 | 2.78(2.66-3.60) | M |
| PCB-3L | | | | | | | | | | | M |
| 200.0795 | 14:04 | 14:02 | 10 | 0.868 | 388182 | 80710 | 196 | 490 | 412 | | |
| 202.0766 | 14:04 | 14:02 | 10 | 0.868 | 117876 | 27303 | 1000 | 2500 | 27 | 3.29(2.66-3.60) | M |
| PCB-1 | | | | | | | | | | | M |
| 188.0393 | 12:00 | 12:00 | 16 | 1.000 | 2230 | 604 | 51 | 127 | 12 | | M |
| 190.0363 | 12:01 | 12:00 | 17 | 1.001 | 665 | 240 | 19 | 47 | 13 | 3.35(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:54 | | | | | | 51 | 127 | | | |
| 190.0363 | 13:54 | | | | | | 19 | 47 | | | |
| PCB-3 | | | | | | | | | | | RQU |
| 188.0393 | 14:01 | | | | | | 51 | 127 | | | |
| 190.0363 | 14:01 | | | | | | 19 | 47 | | | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:18 | 14:17 | 8 | 0.882 | 144799 | 29563 | 487 | 1217 | 61 | | |
| 236.0376 | 14:18 | 14:17 | 8 | 0.882 | 85832 | 18650 | 218 | 545 | 86 | 1.69(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:12 | 16:05 | 8 | | 339654 | 87569 | 487 | 1217 | 180 | | |
| 236.0376 | 16:12 | 16:05 | 8 | | 202645 | 52854 | 218 | 545 | 242 | 1.68(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | M |
| 234.0406 | 20:03 | 20:02 | 2 | 1.237 | 270474 | 67481 | 487 | 1217 | 139 | | M |
| 236.0376 | 20:03 | 20:02 | 2 | 1.237 | 165176 | 40607 | 218 | 545 | 186 | 1.64(1.33-1.79) | M |
| PCB-4 | | | | | | | | | | | RQ |
| 222.0003 | 14:16 | 14:14 | 8 | 0.998 | 3322 | 521 | 68 | 170 | 8 | | |
| | Empc Correction | | | | 1889 | 346 | 68 | 170 | 5 | | |
| 223.9974 | 14:19 | 14:14 | 12 | 1.002 | 1211 | 222 | 16 | 40 | 14 | 2.74(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:27 | | | | | | 68 | 170 | | | |
| 223.9974 | 14:27 | | | | | | 16 | 40 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:15 | | | | | | 68 | 170 | | | |
| 223.9974 | 16:15 | | | | | | 16 | 40 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:25 | | | | | | 68 | 170 | | | |
| 223.9974 | 16:25 | | | | | | 16 | 40 | | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:40 | | | | | | 68 | 170 | | | |
| 223.9974 | 16:40 | | | | | | 16 | 40 | | | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | | | | | | 68 | 170 | | | |
| 223.9974 | 16:56 | | | | | | 16 | 40 | | | |
| PCB-8 | | | | | | | | | | | RQa |
| 222.0003 | 17:02 | 17:02 | 6 | 1.191 | 7602 | 1443 | 68 | 170 | 21 | | a |
| | Empc Correction | | | | 6533 | 1683 | 68 | 170 | 25 | | |
| 223.9974 | 17:02 | 17:02 | 6 | 1.191 | 4188 | 1079 | 16 | 40 | 67 | 1.82(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:35 | | | | | | 68 | 170 | | | |
| 223.9974 | 18:35 | | | | | | 16 | 40 | | | |
| PCB-11 | | | | | | | | | | | RQa |
| 222.0003 | 19:29 | 19:29 | 5 | 0.971 | 2281 | 610 | 68 | 170 | 9 | | a |
| 223.9974 | 19:27 | 19:29 | 4 | 0.970 | 1751 | 407 | 16 | 40 | 25 | 1.30(1.33-1.79) | |
| | Empc Correction | | | | 1462 | 391 | 16 | 40 | 24 | | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | | | | | | 68 | 170 | | | |
| 223.9974 | 19:45 | | | | | | 16 | 40 | | | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | | | | | | 68 | 170 | | | |
| 223.9974 | 19:45 | | | | | | 16 | 40 | | | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:04 | 20:01 | 4 | 1.001 | 3261 | 624 | 68 | 170 | 9 | | |
| 223.9974 | 20:02 | 20:01 | 2 | 0.999 | 1930 | 362 | 16 | 40 | 23 | 1.69(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:18 | 4 | 0.844 | 85311 | 20559 | 345 | 862 | 60 | | |
| 269.9986 | 17:19 | 17:18 | 4 | 0.844 | 80907 | 20668 | 596 | 1490 | 35 | 1.05(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:28 | 4 | | 213728 | 50714 | 345 | 862 | 147 | | |
| 269.9986 | 20:31 | 20:28 | 3 | | 186009 | 46515 | 596 | 1490 | 78 | 1.15(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:45 | 22:43 | 2 | | 400463 | 97197 | 465 | 1162 | 209 | | |
| 269.9986 | 22:45 | 22:43 | 2 | | 386726 | 92597 | 252 | 630 | 367 | 1.04(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:03 | 23:03 | 2 | 1.013 | 359619 | 86719 | 465 | 1162 | 186 | | |
| 269.9986 | 23:03 | 23:03 | 2 | 1.013 | 341397 | 81562 | 252 | 630 | 324 | 1.05(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:01 | 27:06 | -1 | 1.187 | 319415 | 66933 | 465 | 1162 | 144 | | |
| 269.9986 | 27:01 | 27:06 | -1 | 1.187 | 298206 | 64052 | 252 | 630 | 254 | 1.07(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:17 | 7 | 1.002 | 695 | 151 | 23 | 57 | 7 | | |
| 257.9584 | 17:20 | 17:17 | 6 | 1.001 | 662 | 211 | 21 | 52 | 10 | 1.05(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | RQ |
| 255.9613 | 19:10 | 19:04 | 5 | 1.107 | 6141 | 1619 | 23 | 57 | 70 | | |
| | Empc Correction | | | | 5207 | 1347 | 23 | 57 | 59 | | |
| 257.9584 | 19:10 | 19:04 | 5 | 1.107 | 5007 | 1296 | 21 | 52 | 62 | 1.23(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | RQ |
| 255.9613 | 19:10 | 19:04 | 5 | 1.107 | 6141 | 1619 | 23 | 57 | 70 | | |
| | Empc Correction | | | | 5207 | 1347 | 23 | 57 | 59 | | |
| 257.9584 | 19:10 | 19:04 | 5 | 1.107 | 5007 | 1296 | 21 | 52 | 62 | 1.23(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:34 | 19:30 | 4 | 1.130 | 2034 | 573 | 23 | 57 | 25 | | |
| 257.9584 | 19:34 | 19:30 | 4 | 1.130 | 2120 | 515 | 21 | 52 | 25 | 0.96(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | RQ |
| 255.9613 | 19:48 | 19:47 | 4 | 1.143 | 435 | 141 | 23 | 57 | 6 | | |
| 257.9584 | 19:48 | 19:47 | 4 | 1.143 | 656 | 161 | 21 | 52 | 8 | 0.66(0.88-1.20) | |
| | Empc Correction | | | | 418 | 135 | 21 | 52 | 6 | | |
| PCB-24 | | | | | | | | | | | RQMa |
| 255.9613 | 19:55 | 19:56 | 4 | 1.150 | 74 | 64 | 23 | 57 | 3 | | M |
| 257.9584 | 19:55 | 19:56 | 4 | 1.150 | 198 | 100 | 21 | 52 | 5 | 0.37(0.88-1.20) | |
| | Empc Correction | | | | 71 | 61 | 21 | 52 | 3 | | |
| PCB-16 | | | | | | | | | | | M |
| 255.9613 | 20:02 | 20:02 | 4 | 1.156 | 1783 | 417 | 23 | 57 | 18 | | M |
| 257.9584 | 20:02 | 20:02 | 4 | 1.156 | 1594 | 398 | 21 | 52 | 19 | 1.12(0.88-1.20) | M |
| PCB-32 | | | | | | | | | | | RQ |
| 255.9613 | 20:32 | 20:29 | 3 | 1.186 | 2003 | 505 | 23 | 57 | 22 | | |
| | Empc Correction | | | | 1711 | 492 | 23 | 57 | 21 | | |
| 257.9584 | 20:33 | 20:29 | 4 | 1.187 | 1646 | 474 | 21 | 52 | 23 | 1.22(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:47 | | | | | | 38 | 95 | | | |
| 257.9584 | 21:47 | | | | | | 42 | 105 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:59 | | | | | | 38 | 95 | | | |
| 257.9584 | 21:59 | | | | | | 42 | 105 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:14 | 22:12 | 2 | 1.284 | 3148 | 816 | 38 | 95 | 21 | | |
| 257.9584 | 22:14 | 22:12 | 2 | 1.284 | 3086 | 765 | 42 | 105 | 18 | 1.02(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:14 | 22:12 | 2 | 1.284 | 3148 | 816 | 38 | 95 | 21 | | |
| 257.9584 | 22:14 | 22:12 | 2 | 1.284 | 3086 | 765 | 42 | 105 | 18 | 1.02(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | a |
| 255.9613 | 22:28 | 22:28 | 2 | 0.831 | 1827 | 414 | 38 | 95 | 11 | | a |
| 257.9584 | 22:28 | 22:28 | 3 | 0.832 | 2046 | 404 | 42 | 105 | 10 | 0.89(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | a |
| 255.9613 | 22:47 | 22:47 | 2 | 0.843 | 19624 | 4863 | 38 | 95 | 128 | | a |
| 257.9584 | 22:47 | 22:47 | 2 | 0.843 | 19373 | 4918 | 42 | 105 | 117 | 1.01(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:03 | 2 | 0.854 | 14136 | 3433 | 38 | 95 | 90 | | |
| 257.9584 | 23:04 | 23:03 | 2 | 0.854 | 15000 | 3335 | 42 | 105 | 79 | 0.94(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:03 | 2 | 0.854 | 14136 | 3433 | 38 | 95 | 90 | | |
| 257.9584 | 23:04 | 23:03 | 2 | 0.854 | 15000 | 3335 | 42 | 105 | 79 | 0.94(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:18 | 23:14 | 2 | 0.862 | 9608 | 2318 | 38 | 95 | 61 | | |
| 257.9584 | 23:18 | 23:14 | 2 | 0.862 | 8947 | 2043 | 42 | 105 | 49 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:18 | 23:14 | 2 | 0.862 | 9608 | 2318 | 38 | 95 | 61 | | |
| 257.9584 | 23:18 | 23:14 | 2 | 0.862 | 8947 | 2043 | 42 | 105 | 49 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | a |
| 255.9613 | 23:42 | 23:42 | 2 | 0.877 | 6253 | 1438 | 38 | 95 | 38 | | a |
| 257.9584 | 23:42 | 23:42 | 2 | 0.877 | 6395 | 1611 | 42 | 105 | 38 | 0.98(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | a |
| 255.9613 | 25:23 | 25:13 | 9 | 0.939 | 3391 | 835 | 38 | 95 | 22 | | a |
| 257.9584 | 25:23 | 25:13 | 9 | 0.939 | 3786 | 797 | 42 | 105 | 19 | 0.90(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | Ua |
| 255.9613 | 25:37 | | | | | | 38 | 95 | | | |
| 257.9584 | 25:37 | | | | | | 42 | 105 | | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:10 | | | | | | 38 | 95 | | | |
| 257.9584 | 26:10 | | | | | | 42 | 105 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:36 | | | | | | 38 | 95 | | | |
| 257.9584 | 26:36 | | | | | | 42 | 105 | | | |
| PCB-37 | | | | | | | | | | | a |
| 255.9613 | 27:03 | 27:03 | 2 | 1.001 | 5018 | 973 | 38 | 95 | 26 | | a |
| 257.9584 | 27:03 | 27:03 | 1 | 1.001 | 4483 | 806 | 42 | 105 | 19 | 1.12(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:20 | 20:21 | 1 | 0.818 | 84479 | 21089 | 100 | 250 | 211 | | |
| 303.9597 | 20:20 | 20:21 | 1 | 0.818 | 108558 | 27591 | 71 | 177 | 389 | 0.78(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:52 | 24:50 | 2 | | 207453 | 49398 | 94 | 235 | 526 | | |
| 303.9597 | 24:52 | 24:50 | 2 | | 245781 | 59011 | 96 | 240 | 615 | 0.84(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:46 | 33:50 | -1 | 1.358 | 209966 | 40845 | 94 | 235 | 435 | | |
| 303.9597 | 33:46 | 33:50 | -1 | 1.358 | 262322 | 54730 | 96 | 240 | 570 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:19 | 34:23 | -2 | 1.380 | 221764 | 42693 | 94 | 235 | 454 | | |
| 303.9597 | 34:19 | 34:23 | -2 | 1.380 | 288125 | 58968 | 96 | 240 | 614 | 0.77(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:18 | | | | | | 4 | 10 | | | |
| 291.9194 | 20:18 | | | | | | 6 | 15 | | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:30 | 22:27 | 2 | 1.106 | 6142 | 1611 | 122 | 305 | 13 | | |
| 291.9194 | 22:30 | 22:27 | 2 | 1.106 | 7580 | 1967 | 180 | 450 | 11 | 0.81(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:30 | 22:27 | 2 | 1.106 | 6142 | 1611 | 122 | 305 | 13 | | |
| 291.9194 | 22:30 | 22:27 | 2 | 1.106 | 7580 | 1967 | 180 | 450 | 11 | 0.81(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:12 | | | | | | 122 | 305 | | | |
| 291.9194 | 23:12 | | | | | | 180 | 450 | | | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:12 | | | | | | 122 | 305 | | | |
| 291.9194 | 23:12 | | | | | | 180 | 450 | | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:28 | | | | | | 122 | 305 | | | |
| 291.9194 | 23:28 | | | | | | 180 | 450 | | | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:53 | 24:55 | 1 | 1.223 | 323328 | 75618 | 122 | 305 | 620 | | |
| 291.9194 | 24:53 | 24:55 | 1 | 1.223 | 407455 | 94190 | 180 | 450 | 523 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 122 | 305 | | | |
| 291.9194 | 25:04 | | | | | | 180 | 450 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 122 | 305 | | | |
| 291.9194 | 25:04 | | | | | | 180 | 450 | | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:18 | 3 | 1.248 | 61662 | 14533 | 122 | 305 | 119 | | |
| 291.9194 | 25:23 | 25:18 | 3 | 1.248 | 79055 | 19112 | 180 | 450 | 106 | 0.78(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:18 | 3 | 1.248 | 61662 | 14533 | 122 | 305 | 119 | | |
| 291.9194 | 25:23 | 25:18 | 3 | 1.248 | 79055 | 19112 | 180 | 450 | 106 | 0.78(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | RQ |
| 289.9224 | 25:40 | 25:37 | 2 | 1.262 | 4084 | 1061 | 122 | 305 | 9 | | |
| | Empc Correction | | | | 3277 | 690 | 122 | 305 | 6 | | |
| 291.9194 | 25:39 | 25:37 | 0 | 1.261 | 4257 | 897 | 180 | 450 | 5 | 0.96(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:52 | 25:56 | -1 | 1.272 | 117201 | 25870 | 122 | 305 | 212 | | |
| 291.9194 | 25:52 | 25:56 | -1 | 1.272 | 146705 | 32301 | 180 | 450 | 179 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:52 | 25:56 | -1 | 1.272 | 117201 | 25870 | 122 | 305 | 212 | | |
| 291.9194 | 25:52 | 25:56 | -1 | 1.272 | 146705 | 32301 | 180 | 450 | 179 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:52 | 25:56 | -1 | 1.272 | 117201 | 25870 | 122 | 305 | 212 | | |
| 291.9194 | 25:52 | 25:56 | -1 | 1.272 | 146705 | 32301 | 180 | 450 | 179 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:12 | | | | | | 122 | 305 | | | |
| 291.9194 | 26:12 | | | | | | 180 | 450 | | | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:12 | | | | | | 122 | 305 | | | |
| 291.9194 | 26:12 | | | | | | 180 | 450 | | | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:12 | | | | | | 122 | 305 | | | |
| 291.9194 | 26:12 | | | | | | 180 | 450 | | | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:24 | 26:22 | 1 | 1.298 | 6350 | 1476 | 122 | 305 | 12 | | |
| 291.9194 | 26:24 | 26:22 | 1 | 1.298 | 9306 | 2168 | 180 | 450 | 12 | 0.68(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:53 | 26:53 | 1 | 1.322 | 13162 | 3325 | 122 | 305 | 27 | | M |
| 291.9194 | 26:53 | 26:53 | 1 | 1.322 | 18176 | 3994 | 180 | 450 | 22 | 0.72(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:53 | 26:53 | 1 | 1.322 | 13162 | 3325 | 122 | 305 | 27 | | M |
| 291.9194 | 26:53 | 26:53 | 1 | 1.322 | 18176 | 3994 | 180 | 450 | 22 | 0.72(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:53 | 26:53 | 1 | 1.322 | 13162 | 3325 | 122 | 305 | 27 | | M |
| 291.9194 | 26:53 | 26:53 | 1 | 1.322 | 18176 | 3994 | 180 | 450 | 22 | 0.72(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | M |
| 289.9224 | 27:06 | 27:06 | 1 | 1.333 | 36586 | 8756 | 122 | 305 | 72 | | M |
| 291.9194 | 27:06 | 27:06 | 1 | 1.333 | 48280 | 11254 | 180 | 450 | 63 | 0.76(0.65-0.89) | M |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:55 | | | | | | 122 | 305 | | | |
| 291.9194 | 27:55 | | | | | | 180 | 450 | | | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:13 | | | | | | 122 | 305 | | | |
| 291.9194 | 28:13 | | | | | | 180 | 450 | | | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:37 | | | | | | 122 | 305 | | | |
| 291.9194 | 28:37 | | | | | | 180 | 450 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:52 | | | | | | 122 | 305 | | | |
| 291.9194 | 28:52 | | | | | | 180 | 450 | | | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:01 | | | | | | 122 | 305 | | | |
| 291.9194 | 29:01 | | | | | | 180 | 450 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:18 | 29:16 | -1 | 0.868 | 3006 | 647 | 122 | 305 | 5 | | |
| 291.9194 | 29:19 | 29:16 | 0 | 0.868 | 3977 | 849 | 180 | 450 | 5 | 0.76(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 293383 | 52281 | 122 | 305 | 429 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 373069 | 68107 | 180 | 450 | 378 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 293383 | 52281 | 122 | 305 | 429 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 373069 | 68107 | 180 | 450 | 378 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 293383 | 52281 | 122 | 305 | 429 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 373069 | 68107 | 180 | 450 | 378 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 293383 | 52281 | 122 | 305 | 429 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 373069 | 68107 | 180 | 450 | 378 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 29:58 | 29:59 | 0 | 0.888 | 61682 | 12466 | 122 | 305 | 102 | | |
| 291.9194 | 29:58 | 29:59 | 0 | 0.888 | 77000 | 16064 | 180 | 450 | 89 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:07 | | | | | | 122 | 305 | | | |
| 291.9194 | 30:07 | | | | | | 180 | 450 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:39 | 30:35 | 1 | 0.908 | 26795 | 5765 | 122 | 305 | 47 | | |
| 291.9194 | 30:38 | 30:35 | 0 | 0.907 | 34594 | 6782 | 180 | 450 | 38 | 0.77(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:52 | 30:50 | 1 | 0.914 | 10804 | 2445 | 122 | 305 | 20 | | |
| 291.9194 | 30:51 | 30:50 | 0 | 0.914 | 13568 | 3089 | 180 | 450 | 17 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:15 | | | | | | 122 | 305 | | | |
| 291.9194 | 31:15 | | | | | | 180 | 450 | | | |
| PCB-79 | | | | | | | | | | | RQ |
| 289.9224 | 32:47 | 32:48 | 0 | 0.971 | 3713 | 1614 | 122 | 305 | 13 | | |
| 291.9194 | 32:47 | 32:48 | 0 | 0.971 | 7732 | 2621 | 180 | 450 | 15 | 0.48(0.65-0.89) | |
| | Empc Correction | | | | 4822 | 2096 | 180 | 450 | 12 | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:20 | | | | | | 122 | 305 | | | |
| 291.9194 | 33:20 | | | | | | 180 | 450 | | | |
| PCB-81 | | | | | | | | | | | RQMa |
| 289.9224 | 33:44 | 33:46 | -3 | 0.999 | 2133 | 860 | 122 | 305 | 7 | | M |
| | Empc Correction | | | | 1542 | 1151 | 122 | 305 | 9 | | |
| 291.9194 | 33:44 | 33:46 | -3 | 0.999 | 2003 | 1495 | 180 | 450 | 8 | 1.06(0.65-0.89) | M |
| PCB-77 | | | | | | | | | | | RQ |
| 289.9224 | 34:20 | 34:18 | 0 | 1.001 | 3208 | 700 | 122 | 305 | 6 | | |
| | Empc Correction | | | | 2597 | 723 | 122 | 305 | 6 | | |
| 291.9194 | 34:20 | 34:18 | 0 | 1.001 | 3374 | 940 | 180 | 450 | 5 | 0.95(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:49 | 25:50 | -1 | 0.814 | 215513 | 49241 | 32 | 80 | 1539 | | |
| 339.9178 | 25:49 | 25:50 | -1 | 0.814 | 138551 | 33206 | 29 | 72 | 1145 | 1.56(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:41 | 31:41 | 0 | | 222326 | 48240 | 32 | 80 | 1508 | | |
| 339.9178 | 31:42 | 31:41 | 1 | | 131877 | 29761 | 29 | 72 | 1026 | 1.69(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:23 | 34:23 | 0 | 1.085 | 248787 | 52582 | 32 | 80 | 1643 | | |
| 339.9178 | 34:22 | 34:23 | 0 | 1.084 | 150630 | 31141 | 29 | 72 | 1074 | 1.65(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:20 | 36:23 | -2 | 1.146 | 270912 | 54966 | 400 | 1000 | 137 | | |
| 339.9178 | 36:20 | 36:23 | -2 | 1.146 | 169488 | 35959 | 222 | 555 | 162 | 1.60(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:40 | 36:42 | -2 | 1.157 | 289946 | 56057 | 400 | 1000 | 140 | | |
| 339.9178 | 36:39 | 36:42 | -2 | 1.157 | 187283 | 40210 | 222 | 555 | 181 | 1.55(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:11 | 37:14 | -2 | 1.174 | 267917 | 52623 | 400 | 1000 | 132 | | |
| 339.9178 | 37:11 | 37:14 | -2 | 1.173 | 167046 | 34490 | 222 | 555 | 155 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:50 | 37:52 | -2 | 1.194 | 277660 | 55907 | 400 | 1000 | 140 | | |
| 339.9178 | 37:50 | 37:52 | -2 | 1.194 | 174198 | 34891 | 222 | 555 | 157 | 1.59(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:19 | 39:18 | 0 | | 337690 | 66575 | 400 | 1000 | 166 | | |
| 339.9178 | 39:19 | 39:18 | 0 | | 210242 | 38254 | 222 | 555 | 172 | 1.61(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:54 | 40:57 | -2 | 1.291 | 263673 | 50712 | 400 | 1000 | 127 | | |
| 339.9178 | 40:55 | 40:57 | -2 | 1.291 | 174329 | 33872 | 222 | 555 | 153 | 1.51(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:49 | | | | | | 67 | 167 | | | |
| 327.8775 | 25:49 | | | | | | 26 | 65 | | | |
| PCB-96 | | | | | | | | | | | RQMa |
| 325.8804 | 26:11 | 26:12 | 1 | 1.015 | 4416 | 1116 | 67 | 167 | 17 | | a |
| | Empc Correction | | | | 3489 | 761 | 67 | 167 | 11 | | |
| 327.8775 | 26:12 | 26:12 | 2 | 1.015 | 2251 | 491 | 26 | 65 | 19 | 1.96(1.32-1.78) | M |
| PCB-103 | | | | | | | | | | | RQM |
| 325.8804 | 28:08 | 28:07 | 2 | 1.090 | 3499 | 725 | 67 | 167 | 11 | | M |
| | Empc Correction | | | | 2830 | 742 | 67 | 167 | 11 | | |
| 327.8775 | 28:07 | 28:07 | 0 | 1.089 | 1826 | 479 | 26 | 65 | 18 | 1.92(1.32-1.78) | M |
| PCB-94 | | | | | | | | | | | M |
| 325.8804 | 28:20 | 28:22 | -1 | 1.098 | 1527 | 442 | 67 | 167 | 7 | | M |
| 327.8775 | 28:21 | 28:22 | 1 | 1.099 | 1137 | 277 | 26 | 65 | 11 | 1.34(1.32-1.78) | M |
| PCB-95 | | | | | | | | | | | M |
| 325.8804 | 28:47 | 28:47 | 0 | 1.115 | 569803 | 125644 | 67 | 167 | 1875 | | M |
| 327.8775 | 28:47 | 28:47 | 0 | 1.115 | 356736 | 79487 | 26 | 65 | 3057 | 1.60(1.32-1.78) | M |
| PCB-93 | | | | | | | | | | | Ma |
| 325.8804 | 28:56 | 28:56 | -4 | 1.121 | 5941 | 944 | 67 | 167 | 14 | | M |
| 327.8775 | 29:01 | 28:56 | 1 | 1.124 | 4133 | 677 | 26 | 65 | 26 | 1.44(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | Ma |
| 325.8804 | 28:56 | 28:56 | -4 | 1.121 | 5941 | 944 | 67 | 167 | 14 | | M |
| 327.8775 | 29:01 | 28:56 | 1 | 1.124 | 4133 | 677 | 26 | 65 | 26 | 1.44(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:06 | 0 | 1.129 | 15781 | 2944 | 67 | 167 | 44 | | |
| 327.8775 | 29:09 | 29:06 | 0 | 1.129 | 8980 | 1618 | 26 | 65 | 62 | 1.76(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:06 | 0 | 1.129 | 15781 | 2944 | 67 | 167 | 44 | | |
| 327.8775 | 29:09 | 29:06 | 0 | 1.129 | 8980 | 1618 | 26 | 65 | 62 | 1.76(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:38 | 29:36 | 0 | 1.149 | 76310 | 16713 | 67 | 167 | 249 | | |
| 327.8775 | 29:38 | 29:36 | 0 | 1.149 | 47038 | 10383 | 26 | 65 | 399 | 1.62(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:38 | 29:36 | 0 | 1.149 | 76310 | 16713 | 67 | 167 | 249 | | |
| 327.8775 | 29:38 | 29:36 | 0 | 1.149 | 47038 | 10383 | 26 | 65 | 399 | 1.62(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:51 | 29:51 | 0 | 1.157 | 166342 | 34337 | 67 | 167 | 512 | | |
| 327.8775 | 29:51 | 29:51 | 0 | 1.157 | 104671 | 22001 | 26 | 65 | 846 | 1.59(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:20 | 30:20 | 0 | 1.176 | 5538 | 1042 | 67 | 167 | 16 | | |
| 327.8775 | 30:20 | 30:20 | 0 | 1.176 | 3140 | 612 | 26 | 65 | 24 | 1.76(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:45 | | | | | | 67 | 167 | | | |
| 327.8775 | 30:45 | | | | | | 26 | 65 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:08 | 31:05 | 0 | 0.857 | 120974 | 26000 | 67 | 167 | 388 | | |
| 327.8775 | 31:08 | 31:05 | 0 | 0.857 | 79549 | 17902 | 26 | 65 | 689 | 1.52(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 761511 | 163562 | 67 | 167 | 2441 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 471019 | 100781 | 26 | 65 | 3876 | 1.62(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 761511 | 163562 | 67 | 167 | 2441 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 471019 | 100781 | 26 | 65 | 3876 | 1.62(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 761511 | 163562 | 67 | 167 | 2441 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 471019 | 100781 | 26 | 65 | 3876 | 1.62(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:18 | 32:18 | 0 | 1.252 | 307668 | 57406 | 67 | 167 | 857 | | M |
| 327.8775 | 32:18 | 32:18 | 0 | 1.252 | 193650 | 37081 | 26 | 65 | 1426 | 1.59(1.32-1.78) | M |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:18 | 32:18 | 0 | 1.252 | 307668 | 57406 | 67 | 167 | 857 | | M |
| 327.8775 | 32:18 | 32:18 | 0 | 1.252 | 193650 | 37081 | 26 | 65 | 1426 | 1.59(1.32-1.78) | M |
| PCB-112 | | | | | | | | | | | RQMa |
| 325.8804 | 32:26 | 32:24 | 1 | 1.257 | 947 | 519 | 67 | 167 | 8 | | M |
| 327.8775 | 32:25 | 32:24 | 0 | 1.256 | 1604 | 469 | 26 | 65 | 18 | 0.59(1.32-1.78) | |
| | Empc Correction | | | | 610 | 334 | 26 | 65 | 13 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:46 | 6 | 1.274 | 539404 | 69557 | 67 | 167 | 1038 | | M |
| 327.8775 | 32:53 | 32:46 | 6 | 1.274 | 344295 | 45637 | 26 | 65 | 1755 | 1.57(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:46 | 6 | 1.274 | 539404 | 69557 | 67 | 167 | 1038 | | M |
| 327.8775 | 32:53 | 32:46 | 6 | 1.274 | 344295 | 45637 | 26 | 65 | 1755 | 1.57(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:46 | 6 | 1.274 | 539404 | 69557 | 67 | 167 | 1038 | | M |
| 327.8775 | 32:53 | 32:46 | 6 | 1.274 | 344295 | 45637 | 26 | 65 | 1755 | 1.57(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:46 | 6 | 1.274 | 539404 | 69557 | 67 | 167 | 1038 | | M |
| 327.8775 | 32:53 | 32:46 | 6 | 1.274 | 344295 | 45637 | 26 | 65 | 1755 | 1.57(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:46 | 6 | 1.274 | 539404 | 69557 | 67 | 167 | 1038 | | M |
| 327.8775 | 32:53 | 32:46 | 6 | 1.274 | 344295 | 45637 | 26 | 65 | 1755 | 1.57(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:46 | 6 | 1.274 | 539404 | 69557 | 67 | 167 | 1038 | | M |
| 327.8775 | 32:53 | 32:46 | 6 | 1.274 | 344295 | 45637 | 26 | 65 | 1755 | 1.57(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:28 | 0 | 1.299 | 114712 | 19697 | 67 | 167 | 294 | | |
| 327.8775 | 33:31 | 33:28 | 0 | 1.299 | 69831 | 12382 | 26 | 65 | 476 | 1.64(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:28 | 0 | 1.299 | 114712 | 19697 | 67 | 167 | 294 | | |
| 327.8775 | 33:31 | 33:28 | 0 | 1.299 | 69831 | 12382 | 26 | 65 | 476 | 1.64(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:28 | 0 | 1.299 | 114712 | 19697 | 67 | 167 | 294 | | |
| 327.8775 | 33:31 | 33:28 | 0 | 1.299 | 69831 | 12382 | 26 | 65 | 476 | 1.64(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:45 | -5 | 1.305 | 1024788 | 209063 | 67 | 167 | 3120 | | |
| 327.8775 | 33:41 | 33:45 | -5 | 1.305 | 642842 | 131344 | 26 | 65 | 5052 | 1.59(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:45 | -5 | 1.305 | 1024788 | 209063 | 67 | 167 | 3120 | | |
| 327.8775 | 33:41 | 33:45 | -5 | 1.305 | 642842 | 131344 | 26 | 65 | 5052 | 1.59(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:00 | 33:59 | 0 | 1.317 | 70015 | 13765 | 67 | 167 | 205 | | |
| 327.8775 | 34:00 | 33:59 | 0 | 1.317 | 44592 | 8687 | 26 | 65 | 334 | 1.57(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:23 | | | | | | 67 | 167 | | | |
| 327.8775 | 34:23 | | | | | | 26 | 65 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:50 | | | | | | 67 | 167 | | | |
| 327.8775 | 34:50 | | | | | | 26 | 65 | | | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:00 | 35:57 | 0 | 1.395 | 36528 | 7436 | 108 | 270 | 69 | | |
| 327.8775 | 36:00 | 35:57 | 0 | 1.395 | 23695 | 4463 | 54 | 135 | 83 | 1.54(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:00 | 35:57 | 0 | 1.395 | 36528 | 7436 | 108 | 270 | 69 | | |
| 327.8775 | 36:00 | 35:57 | 0 | 1.395 | 23695 | 4463 | 54 | 135 | 83 | 1.54(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:14 | 36:15 | -1 | 1.404 | 55827 | 11538 | 108 | 270 | 107 | | M |
| 327.8775 | 36:14 | 36:15 | -1 | 1.404 | 35095 | 7336 | 54 | 135 | 136 | 1.59(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:21 | 36:22 | -1 | 1.001 | 12206 | 2601 | 108 | 270 | 24 | | M |
| 327.8775 | 36:20 | 36:22 | -1 | 1.000 | 8186 | 1836 | 54 | 135 | 34 | 1.49(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:26 | | | | | | 108 | 270 | | | |
| 327.8775 | 36:26 | | | | | | 54 | 135 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:41 | 36:39 | 0 | 1.000 | 833987 | 167615 | 108 | 270 | 1552 | | |
| 327.8775 | 36:41 | 36:39 | 0 | 1.000 | 545004 | 106410 | 54 | 135 | 1971 | 1.53(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:01 | 36:58 | -1 | 1.010 | 10901 | 1815 | 108 | 270 | 17 | | |
| 327.8775 | 37:01 | 36:58 | -1 | 1.010 | 7264 | 1271 | 54 | 135 | 24 | 1.50(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:12 | 37:09 | -1 | 1.000 | 23592 | 3522 | 108 | 270 | 33 | | |
| 327.8775 | 37:13 | 37:09 | 0 | 1.001 | 17173 | 2844 | 54 | 135 | 53 | 1.37(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:51 | 37:49 | 0 | 1.001 | 324254 | 62205 | 108 | 270 | 576 | | |
| 327.8775 | 37:51 | 37:49 | -1 | 1.000 | 208406 | 40513 | 54 | 135 | 750 | 1.56(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | Ma |
| 325.8804 | 39:23 | 39:25 | 3 | 1.041 | 3025 | 576 | 108 | 270 | 5 | | M |
| 327.8775 | 39:22 | 39:25 | 3 | 1.041 | 1948 | 381 | 54 | 135 | 7 | 1.55(1.32-1.78) | M |
| PCB-126 | | | | | | | | | | | RQMa |
| 325.8804 | 40:57 | 40:57 | 1 | 1.001 | 1144 | 289 | 108 | 270 | 3 | | M |
| 327.8775 | 40:57 | 40:57 | 0 | 1.001 | 955 | 201 | 54 | 135 | 4 | 1.20(1.32-1.78) | M |
| | Empc Correction | | | | 738 | 186 | 54 | 135 | 3 | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:28 | 31:31 | -2 | 0.791 | 179309 | 35844 | 27 | 67 | 1328 | | |
| 373.8788 | 31:28 | 31:31 | -2 | 0.791 | 147002 | 29151 | 41 | 102 | 711 | 1.22(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:47 | 39:46 | 0 | | 244889 | 49722 | 124 | 310 | 401 | | |
| 373.8788 | 39:46 | 39:46 | -1 | | 192887 | 38366 | 107 | 267 | 359 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:47 | 42:50 | -2 | 1.076 | 252321 | 49210 | 124 | 310 | 397 | | |
| 373.8788 | 42:47 | 42:50 | -2 | 1.076 | 198662 | 40585 | 107 | 267 | 379 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:56 | 43:59 | -1 | 1.105 | 501239 | 70467 | 124 | 310 | 568 | | |
| 373.8788 | 43:56 | 43:59 | -1 | 1.105 | 383481 | 55741 | 107 | 267 | 521 | 1.31(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:56 | 43:59 | -1 | 1.105 | 501239 | 70467 | 124 | 310 | 568 | | |
| 373.8788 | 43:56 | 43:59 | -1 | 1.105 | 383481 | 55741 | 107 | 267 | 521 | 1.31(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:10 | 47:13 | -2 | 1.186 | 256127 | 52930 | 124 | 310 | 427 | | |
| 373.8788 | 47:10 | 47:13 | -2 | 1.186 | 192185 | 36834 | 107 | 267 | 344 | 1.33(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:30 | | | | | | 11 | 27 | | | |
| 361.8385 | 31:30 | | | | | | 14 | 35 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:41 | 31:38 | 0 | 1.007 | 801 | 132 | 11 | 27 | 12 | | |
| 361.8385 | 31:42 | 31:38 | 1 | 1.007 | 669 | 152 | 14 | 35 | 11 | 1.20(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | RQ |
| 359.8415 | 31:51 | 31:48 | -1 | 1.012 | 752 | 176 | 11 | 27 | 16 | | |
| 361.8385 | 31:51 | 31:48 | 0 | 1.012 | 765 | 141 | 14 | 35 | 10 | 0.98(1.05-1.43) | |
| | Empc Correction | | | | 606 | 141 | 14 | 35 | 10 | | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:13 | 32:11 | 0 | 1.023 | 86486 | 18357 | 11 | 27 | 1669 | | |
| 361.8385 | 32:13 | 32:11 | 0 | 1.023 | 70353 | 14890 | 14 | 35 | 1064 | 1.23(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQ |
| 359.8415 | 32:30 | 32:29 | -1 | 1.033 | 806 | 157 | 11 | 27 | 14 | | |
| 361.8385 | 32:30 | 32:29 | -1 | 1.033 | 776 | 90 | 14 | 35 | 6 | 1.04(1.05-1.43) | |
| | Empc Correction | | | | 649 | 126 | 14 | 35 | 9 | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:00 | | | | | | 11 | 27 | | | |
| 361.8385 | 34:00 | | | | | | 14 | 35 | | | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:36 | 34:38 | -4 | 1.099 | 133603 | 15887 | 11 | 27 | 1444 | | |
| 361.8385 | 34:36 | 34:38 | -4 | 1.100 | 104151 | 12841 | 14 | 35 | 917 | 1.28(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:36 | 34:38 | -4 | 1.099 | 133603 | 15887 | 11 | 27 | 1444 | | |
| 361.8385 | 34:36 | 34:38 | -4 | 1.100 | 104151 | 12841 | 14 | 35 | 917 | 1.28(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | RQ |
| 359.8415 | 34:52 | 34:51 | -1 | 1.108 | 6104 | 1333 | 11 | 27 | 121 | | |
| | Empc Correction | | | | 5198 | 1042 | 11 | 27 | 95 | | |
| 361.8385 | 34:52 | 34:51 | -1 | 1.108 | 4192 | 841 | 14 | 35 | 60 | 1.46(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:11 | 35:07 | 0 | 1.118 | 22525 | 5226 | 11 | 27 | 475 | | |
| 361.8385 | 35:11 | 35:07 | 0 | 1.118 | 17195 | 3472 | 14 | 35 | 248 | 1.31(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | M |
| 359.8415 | 35:32 | 35:32 | 0 | 1.129 | 475531 | 95452 | 40 | 100 | 2386 | | M |
| 361.8385 | 35:32 | 35:32 | 0 | 1.129 | 372579 | 76536 | 28 | 70 | 2733 | 1.28(1.05-1.43) | M |
| PCB-149 (C147) | | | | | | | | | | | M |
| 359.8415 | 35:32 | 35:32 | 0 | 1.129 | 475531 | 95452 | 40 | 100 | 2386 | | M |
| 361.8385 | 35:32 | 35:32 | 0 | 1.129 | 372579 | 76536 | 28 | 70 | 2733 | 1.28(1.05-1.43) | M |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:44 | 35:47 | -6 | 1.135 | 40925 | 7581 | 40 | 100 | 190 | | |
| 361.8385 | 35:44 | 35:47 | -6 | 1.135 | 33432 | 6133 | 28 | 70 | 219 | 1.22(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:44 | 35:47 | -6 | 1.135 | 40925 | 7581 | 40 | 100 | 190 | | |
| 361.8385 | 35:44 | 35:47 | -6 | 1.135 | 33432 | 6133 | 28 | 70 | 219 | 1.22(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:08 | 36:05 | -1 | 1.148 | 14964 | 3108 | 40 | 100 | 78 | | |
| 361.8385 | 36:08 | 36:05 | -1 | 1.148 | 12610 | 2764 | 28 | 70 | 99 | 1.19(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:08 | 36:05 | -1 | 1.148 | 14964 | 3108 | 40 | 100 | 78 | | |
| 361.8385 | 36:08 | 36:05 | -1 | 1.148 | 12610 | 2764 | 28 | 70 | 99 | 1.19(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:20 | 36:17 | -1 | 1.155 | 11732 | 2354 | 40 | 100 | 59 | | |
| 361.8385 | 36:20 | 36:17 | -1 | 1.155 | 9594 | 2097 | 28 | 70 | 75 | 1.22(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:28 | | | | | | 40 | 100 | | | |
| 361.8385 | 36:28 | | | | | | 28 | 70 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:48 | 36:46 | 0 | 1.169 | 237201 | 48613 | 40 | 100 | 1215 | | |
| 361.8385 | 36:48 | 36:46 | 0 | 1.169 | 191260 | 39454 | 28 | 70 | 1409 | 1.24(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:18 | 37:19 | 0 | 1.185 | 8989 | 1764 | 40 | 100 | 44 | | |
| 361.8385 | 37:18 | 37:19 | 0 | 1.185 | 6940 | 1488 | 28 | 70 | 53 | 1.30(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:41 | | | | | | 40 | 100 | | | |
| 361.8385 | 37:41 | | | | | | 28 | 70 | | | |
| PCB-146 | | | | | | | | | | | M |
| 359.8415 | 37:57 | 37:57 | -1 | 0.887 | 88939 | 18857 | 40 | 100 | 471 | | M |
| 361.8385 | 37:57 | 37:57 | -1 | 0.887 | 68511 | 13516 | 28 | 70 | 483 | 1.30(1.05-1.43) | M |
| PCB-161 | | | | | | | | | | | RQMa |
| 359.8415 | 38:06 | 38:05 | 1 | 0.891 | 458 | 139 | 40 | 100 | 3 | | M |
| 361.8385 | 38:05 | 38:05 | -1 | 0.890 | 661 | 167 | 28 | 70 | 6 | 0.69(1.05-1.43) | |
| | Empc Correction | | | | 369 | 112 | 28 | 70 | 4 | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:34 | 38:34 | -2 | 0.901 | 542117 | 109670 | 40 | 100 | 2742 | | |
| 361.8385 | 38:34 | 38:34 | -2 | 0.901 | 436964 | 87362 | 28 | 70 | 3120 | 1.24(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:34 | 38:34 | -2 | 0.901 | 542117 | 109670 | 40 | 100 | 2742 | | |
| 361.8385 | 38:34 | 38:34 | -2 | 0.901 | 436964 | 87362 | 28 | 70 | 3120 | 1.24(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:42 | -1 | 0.906 | 111485 | 21899 | 40 | 100 | 547 | | |
| 361.8385 | 38:45 | 38:42 | -1 | 0.906 | 86993 | 17243 | 28 | 70 | 616 | 1.28(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:10 | 39:07 | 0 | 0.915 | 42322 | 8598 | 40 | 100 | 215 | | |
| 361.8385 | 39:10 | 39:07 | 0 | 0.915 | 33832 | 7006 | 28 | 70 | 250 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:23 | 39:20 | 0 | 0.921 | 46146 | 9248 | 40 | 100 | 231 | | |
| 361.8385 | 39:22 | 39:20 | 0 | 0.920 | 35321 | 6997 | 28 | 70 | 250 | 1.31(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:29 | 39:27 | 0 | 0.923 | 58913 | 12026 | 40 | 100 | 301 | | |
| 361.8385 | 39:29 | 39:27 | 0 | 0.923 | 49080 | 9937 | 28 | 70 | 355 | 1.20(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | 0 | 0.930 | 769754 | 144512 | 40 | 100 | 3613 | | |
| 361.8385 | 39:48 | 39:47 | 0 | 0.930 | 612676 | 114399 | 28 | 70 | 4086 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | 0 | 0.930 | 769754 | 144512 | 40 | 100 | 3613 | | |
| 361.8385 | 39:48 | 39:47 | 0 | 0.930 | 612676 | 114399 | 28 | 70 | 4086 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | 0 | 0.930 | 769754 | 144512 | 40 | 100 | 3613 | | |
| 361.8385 | 39:48 | 39:47 | 0 | 0.930 | 612676 | 114399 | 28 | 70 | 4086 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:48 | 39:47 | 0 | 0.930 | 769754 | 144512 | 40 | 100 | 3613 | | |
| 361.8385 | 39:48 | 39:47 | 0 | 0.930 | 612676 | 114399 | 28 | 70 | 4086 | 1.26(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:12 | 40:09 | 0 | 0.939 | 113148 | 21236 | 40 | 100 | 531 | | |
| 361.8385 | 40:11 | 40:09 | 0 | 0.939 | 85799 | 16742 | 28 | 70 | 598 | 1.32(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:01 | 1 | 0.960 | 144244 | 27993 | 40 | 100 | 700 | | |
| 361.8385 | 41:04 | 41:01 | 1 | 0.960 | 115908 | 21763 | 28 | 70 | 777 | 1.24(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:01 | 1 | 0.960 | 144244 | 27993 | 40 | 100 | 700 | | |
| 361.8385 | 41:04 | 41:01 | 1 | 0.960 | 115908 | 21763 | 28 | 70 | 777 | 1.24(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | M |
| 359.8415 | 42:00 | 42:01 | -3 | 0.982 | 4689 | 814 | 40 | 100 | 20 | | M |
| 361.8385 | 42:01 | 42:01 | -2 | 0.982 | 3583 | 733 | 28 | 70 | 26 | 1.31(1.05-1.43) | M |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:20 | 42:22 | 0 | 0.989 | 3954 | 856 | 40 | 100 | 21 | | |
| 361.8385 | 42:20 | 42:22 | 0 | 0.989 | 3162 | 664 | 28 | 70 | 24 | 1.25(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:48 | 42:51 | 0 | 1.000 | 37751 | 7349 | 40 | 100 | 184 | | |
| 361.8385 | 42:49 | 42:51 | 0 | 1.001 | 30361 | 5735 | 28 | 70 | 205 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:56 | 43:55 | -1 | 1.000 | 129867 | 22088 | 40 | 100 | 552 | | |
| 361.8385 | 43:55 | 43:55 | -2 | 1.000 | 101453 | 17252 | 28 | 70 | 616 | 1.28(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:56 | 43:55 | -1 | 1.000 | 129867 | 22088 | 40 | 100 | 552 | | |
| 361.8385 | 43:55 | 43:55 | -2 | 1.000 | 101453 | 17252 | 28 | 70 | 616 | 1.28(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:11 | | | | | | 40 | 100 | | | |
| 361.8385 | 47:11 | | | | | | 28 | 70 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:11 | 37:14 | -2 | 0.820 | 210614 | 44497 | 44 | 110 | 1011 | | |
| 407.8398 | 37:11 | 37:14 | -2 | 0.820 | 192067 | 38225 | 13 | 32 | 2940 | 1.10(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:13 | 40:15 | -1 | 0.887 | 154545 | 30232 | 44 | 110 | 687 | | |
| 407.8398 | 40:15 | 40:15 | 0 | 0.888 | 156541 | 31536 | 13 | 32 | 2426 | 0.99(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:20 | 45:21 | 0 | | 190175 | 35247 | 44 | 110 | 801 | | |
| 407.8398 | 45:19 | 45:21 | -1 | | 173014 | 35384 | 13 | 32 | 2722 | 1.10(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | M |
| 405.8428 | 46:36 | 46:37 | -1 | 1.028 | 127636 | 24056 | 44 | 110 | 547 | | M |
| 407.8398 | 46:35 | 46:37 | -2 | 1.027 | 114191 | 22996 | 13 | 32 | 1769 | 1.12(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:42 | 49:44 | -2 | 1.096 | 247997 | 48505 | 1182 | 2955 | 41 | | |
| 407.8398 | 49:42 | 49:44 | -2 | 1.096 | 240576 | 46373 | 736 | 1840 | 63 | 1.03(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:14 | | | | | | 9 | 22 | | | |
| 395.7995 | 37:14 | | | | | | 26 | 65 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:33 | 37:30 | 0 | 1.010 | 27452 | 5756 | 9 | 22 | 640 | | |
| 395.7995 | 37:33 | 37:30 | 0 | 1.010 | 26824 | 5412 | 26 | 65 | 208 | 1.02(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:04 | | | | | | 9 | 22 | | | |
| 395.7995 | 38:04 | | | | | | 26 | 65 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:26 | 38:24 | 0 | 1.033 | 11489 | 2131 | 9 | 22 | 237 | | |
| 395.7995 | 38:26 | 38:24 | 0 | 1.033 | 10361 | 2308 | 26 | 65 | 89 | 1.11(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:52 | | | | | | 9 | 22 | | | |
| 395.7995 | 38:52 | | | | | | 26 | 65 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:17 | 40:13 | 0 | 1.083 | 9395 | 1938 | 9 | 22 | 215 | | |
| 395.7995 | 40:16 | 40:13 | 0 | 1.083 | 9726 | 2095 | 26 | 65 | 81 | 0.97(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | RQ |
| 393.8025 | 40:53 | 40:55 | 0 | 1.100 | 3073 | 748 | 9 | 22 | 83 | | |
| | Empc Correction | | | | 2425 | 577 | 9 | 22 | 64 | | |
| 395.7995 | 40:54 | 40:55 | 0 | 1.100 | 2310 | 550 | 26 | 65 | 21 | 1.33(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | a |
| 393.8025 | 41:11 | 41:11 | 0 | 1.107 | 55950 | 11984 | 9 | 22 | 1332 | | a |
| 395.7995 | 41:10 | 41:11 | 0 | 1.107 | 54234 | 10944 | 26 | 65 | 421 | 1.03(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:20 | 41:21 | -3 | 1.112 | 777 | 169 | 9 | 22 | 19 | | |
| 395.7995 | 41:23 | 41:21 | 0 | 1.113 | 862 | 167 | 26 | 65 | 6 | 0.90(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:47 | 41:47 | 0 | 1.123 | 41072 | 6964 | 9 | 22 | 774 | | |
| 395.7995 | 41:47 | 41:47 | 0 | 1.123 | 40968 | 7289 | 26 | 65 | 280 | 1.00(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:47 | 41:47 | 0 | 1.123 | 41072 | 6964 | 9 | 22 | 774 | | |
| 395.7995 | 41:47 | 41:47 | 0 | 1.123 | 40968 | 7289 | 26 | 65 | 280 | 1.00(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:01 | 42:01 | 0 | 1.130 | 48713 | 9705 | 9 | 22 | 1078 | | |
| 395.7995 | 42:01 | 42:01 | 0 | 1.130 | 47870 | 10037 | 26 | 65 | 386 | 1.02(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | a |
| 393.8025 | 42:28 | 42:28 | 0 | 1.142 | 30150 | 6260 | 9 | 22 | 696 | | a |
| 395.7995 | 42:27 | 42:28 | 0 | 1.141 | 27829 | 4940 | 26 | 65 | 190 | 1.08(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | RQa |
| 393.8025 | 42:52 | 42:52 | 1 | 1.153 | 1583 | 307 | 9 | 22 | 34 | | a |
| 395.7995 | 42:50 | 42:52 | 0 | 1.152 | 1884 | 376 | 26 | 65 | 14 | 0.84(0.89-1.21) | |
| | Empc Correction | | | | 1507 | 292 | 26 | 65 | 11 | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:05 | 43:00 | 1 | 1.159 | 21531 | 4319 | 9 | 22 | 480 | | |
| 395.7995 | 43:05 | 43:00 | 1 | 1.159 | 20180 | 3604 | 26 | 65 | 139 | 1.07(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:05 | 43:00 | 1 | 1.159 | 21531 | 4319 | 9 | 22 | 480 | | |
| 395.7995 | 43:05 | 43:00 | 1 | 1.159 | 20180 | 3604 | 26 | 65 | 139 | 1.07(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:42 | 44:41 | -1 | 0.899 | 9990 | 1846 | 9 | 22 | 205 | | |
| 395.7995 | 44:42 | 44:41 | -1 | 0.899 | 9792 | 1943 | 26 | 65 | 75 | 1.02(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 44:59 | | | | | | 9 | 22 | | | |
| 395.7995 | 44:59 | | | | | | 26 | 65 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:21 | 45:22 | 2 | 0.912 | 119721 | 22290 | 9 | 22 | 2477 | | a |
| 395.7995 | 45:21 | 45:22 | 2 | 0.912 | 115413 | 22309 | 26 | 65 | 858 | 1.04(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:21 | 45:22 | 2 | 0.912 | 119721 | 22290 | 9 | 22 | 2477 | | a |
| 395.7995 | 45:21 | 45:22 | 2 | 0.912 | 115413 | 22309 | 26 | 65 | 858 | 1.04(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:42 | 45:41 | 0 | 0.920 | 4112 | 876 | 9 | 22 | 97 | | |
| 395.7995 | 45:42 | 45:41 | 0 | 0.920 | 4176 | 789 | 26 | 65 | 30 | 0.98(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:36 | 46:36 | 0 | 0.938 | 56804 | 10939 | 9 | 22 | 1215 | | |
| 395.7995 | 46:36 | 46:36 | 0 | 0.938 | 51963 | 10223 | 26 | 65 | 393 | 1.09(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:08 | 47:07 | 0 | 0.948 | 16660 | 3000 | 9 | 22 | 333 | | |
| 395.7995 | 47:08 | 47:07 | 0 | 0.948 | 15253 | 2710 | 26 | 65 | 104 | 1.09(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | RQM |
| 393.8025 | 49:43 | 49:44 | -1 | 1.000 | 5368 | 1054 | 30 | 75 | 35 | | |
| | Empc Correction | | | | 4524 | 868 | 30 | 75 | 29 | | |
| 395.7995 | 49:44 | 49:44 | 0 | 1.001 | 4309 | 827 | 17 | 42 | 49 | 1.25(0.89-1.21) | M |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:33 | 42:37 | -3 | 0.821 | 165494 | 33317 | 16 | 40 | 2082 | | |
| 441.8008 | 42:33 | 42:37 | -3 | 0.821 | 194556 | 39279 | 31 | 77 | 1267 | 0.85(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:49 | 51:49 | -1 | | 188007 | 37511 | 315 | 787 | 119 | | |
| 441.8008 | 51:49 | 51:49 | 0 | | 219763 | 40611 | 186 | 465 | 218 | 0.86(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:17 | 52:21 | -3 | 1.009 | 205108 | 37351 | 315 | 787 | 119 | | |
| 441.8008 | 52:18 | 52:21 | -2 | 1.009 | 219653 | 42089 | 186 | 465 | 226 | 0.93(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:35 | 42:31 | 0 | 1.001 | 4826 | 923 | 13 | 32 | 71 | | |
| 429.7606 | 42:35 | 42:31 | 0 | 1.001 | 5570 | 1014 | 13 | 32 | 78 | 0.87(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | RQ |
| 427.7635 | 43:31 | 43:27 | 0 | 1.023 | 2960 | 570 | 13 | 32 | 44 | | |
| 429.7606 | 43:30 | 43:27 | 0 | 1.022 | 3955 | 739 | 13 | 32 | 57 | 0.75(0.76-1.02) | |
| | Empc Correction | | | | 3325 | 640 | 13 | 32 | 49 | | |
| PCB-204 | | | | | | | | | | | RnQMUa |
| 427.7635 | 44:10 | | | | | | 13 | 32 | | | |
| 429.7606 | 44:10 | | | | | | 13 | 32 | | | |
| PCB-197 | | | | | | | | | | | RQ |
| 427.7635 | 44:22 | 44:25 | -3 | 1.043 | 396 | 154 | 13 | 32 | 12 | | |
| 429.7606 | 44:24 | 44:25 | -1 | 1.043 | 901 | 259 | 13 | 32 | 20 | 0.44(0.76-1.02) | |
| | Empc Correction | | | | 444 | 173 | 13 | 32 | 13 | | |
| PCB-200 | | | | | | | | | | | Ma |
| 427.7635 | 44:32 | 44:32 | 0 | 1.046 | 4001 | 632 | 13 | 32 | 49 | | M |
| 429.7606 | 44:31 | 44:32 | 0 | 1.046 | 4218 | 840 | 13 | 32 | 65 | 0.95(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:20 | 47:16 | 1 | 1.112 | 18035 | 3388 | 13 | 32 | 261 | | |
| 429.7606 | 47:19 | 47:16 | 0 | 1.112 | 17817 | 3340 | 13 | 32 | 257 | 1.01(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:20 | 47:16 | 1 | 1.112 | 18035 | 3388 | 13 | 32 | 261 | | |
| 429.7606 | 47:19 | 47:16 | 0 | 1.112 | 17817 | 3340 | 13 | 32 | 257 | 1.01(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 47:59 | 47:59 | 0 | 0.918 | 10100 | 1985 | 13 | 32 | 153 | | |
| 429.7606 | 47:58 | 47:59 | -1 | 0.917 | 10741 | 2210 | 13 | 32 | 170 | 0.94(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:11 | 48:10 | 0 | 0.921 | 13406 | 2583 | 13 | 32 | 199 | | |
| 429.7606 | 48:11 | 48:10 | 0 | 0.921 | 15465 | 2910 | 13 | 32 | 224 | 0.87(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | a |
| 427.7635 | 49:30 | 49:30 | 0 | 0.947 | 7466 | 1537 | 23 | 57 | 67 | | a |
| 429.7606 | 49:29 | 49:30 | -1 | 0.946 | 8318 | 1772 | 27 | 67 | 66 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:50 | 51:47 | -1 | 0.991 | 20764 | 3883 | 23 | 57 | 169 | | |
| 429.7606 | 51:51 | 51:47 | 0 | 0.992 | 23379 | 4354 | 27 | 67 | 161 | 0.89(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | RQ |
| 427.7635 | 52:18 | 52:15 | -1 | 1.000 | 1936 | 343 | 23 | 57 | 15 | | |
| | Empc Correction | | | | 1492 | 255 | 23 | 57 | 11 | | |
| 429.7606 | 52:20 | 52:15 | 1 | 1.001 | 1677 | 287 | 27 | 67 | 11 | 1.15(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:14 | 49:18 | -3 | 0.950 | 169404 | 31439 | 429 | 1072 | 73 | | |
| 475.7619 | 49:14 | 49:18 | -2 | 0.950 | 220299 | 42054 | 357 | 892 | 118 | 0.77(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:03 | 54:06 | -2 | 1.043 | 134595 | 25360 | 429 | 1072 | 59 | | |
| 475.7619 | 54:03 | 54:06 | -2 | 1.043 | 171456 | 34790 | 357 | 892 | 97 | 0.79(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:13 | | | | | | 28 | 70 | | | |
| 463.7216 | 49:13 | | | | | | 81 | 202 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:09 | | | | | | 28 | 70 | | | |
| 463.7216 | 50:09 | | | | | | 81 | 202 | | | |
| PCB-206 | | | | | | | | | | | a |
| 461.7246 | 54:05 | 54:03 | 1 | 1.001 | 12404 | 2336 | 28 | 70 | 83 | | a |
| 463.7216 | 54:05 | 54:03 | 0 | 1.000 | 16094 | 2342 | 81 | 202 | 29 | 0.77(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:41 | 55:45 | -2 | 1.075 | 149517 | 25233 | 58 | 145 | 435 | | |
| 509.7229 | 55:41 | 55:45 | -2 | 1.075 | 198456 | 35331 | 78 | 195 | 453 | 0.75(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | RQM |
| 495.6856 | 55:43 | 55:40 | 0 | 1.000 | 2002 | 382 | 8 | 20 | 48 | | M |
| | Empc Correction | | | | 1618 | 293 | 8 | 20 | 37 | | |
| 497.6826 | 55:42 | 55:40 | -1 | 1.000 | 2346 | 426 | 13 | 32 | 33 | 0.85(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

U - Marked Undetected

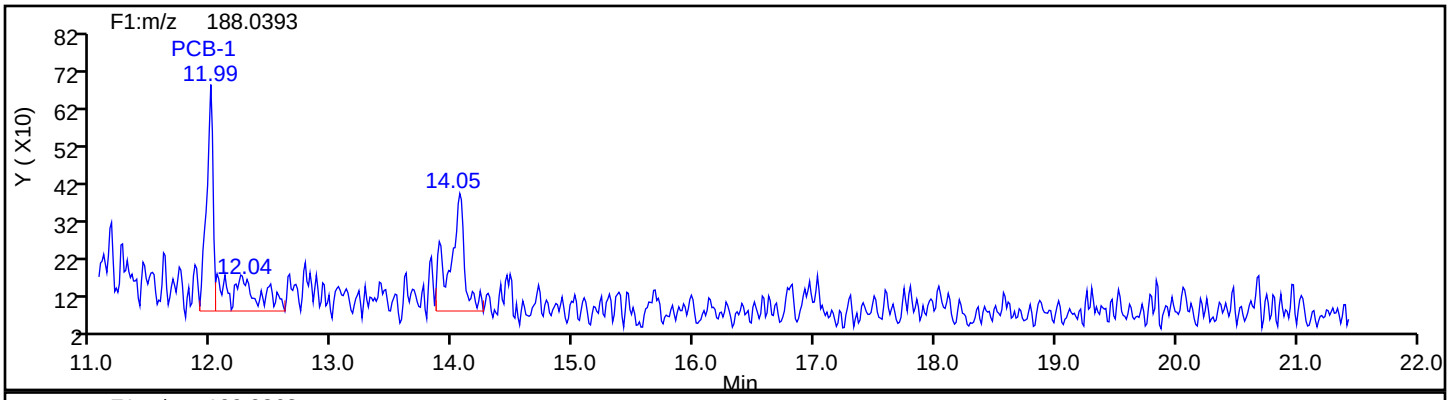
a - User Assigned ID

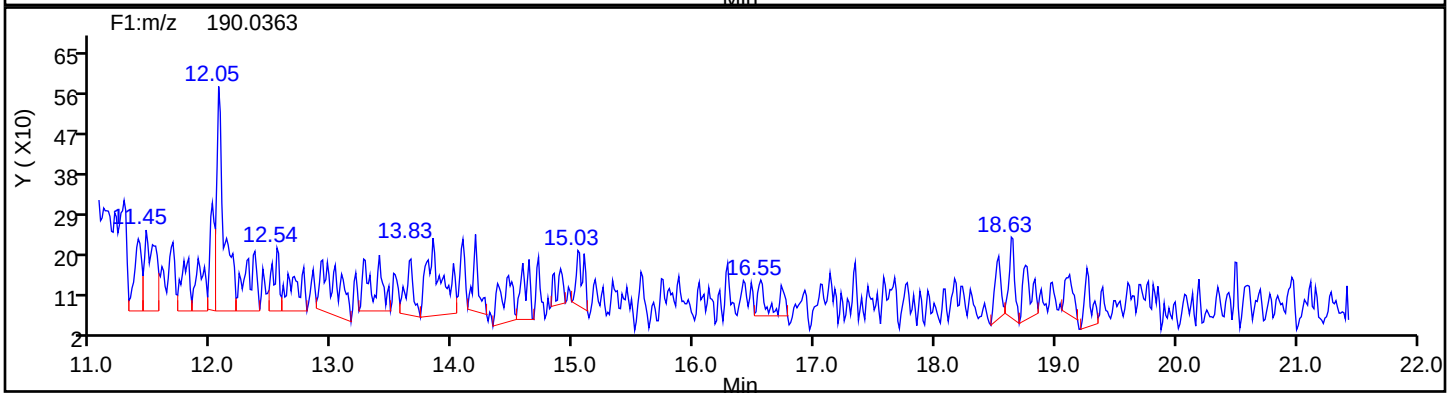
Report Date: 04-Oct-2019 14:09:02 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

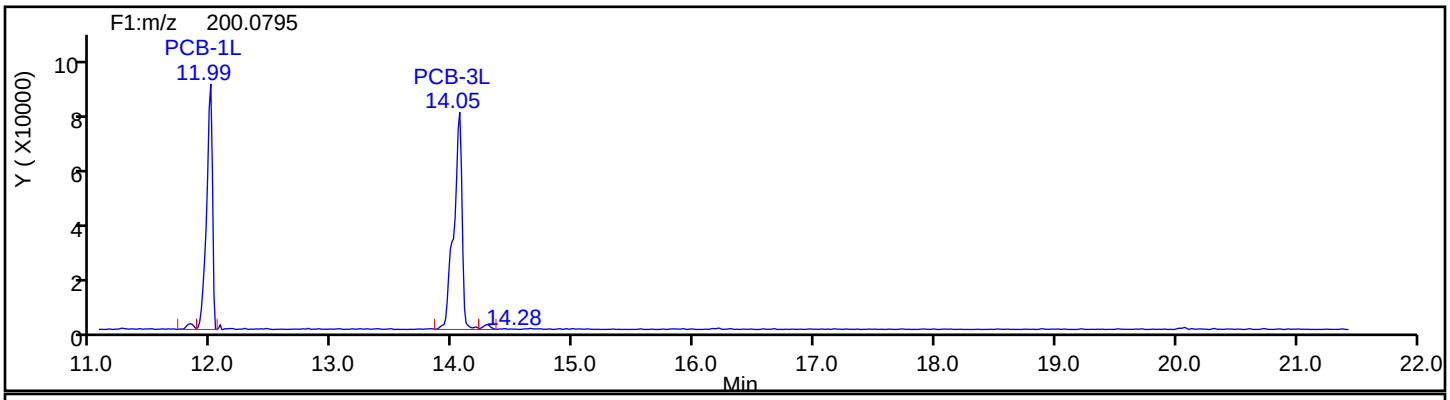
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

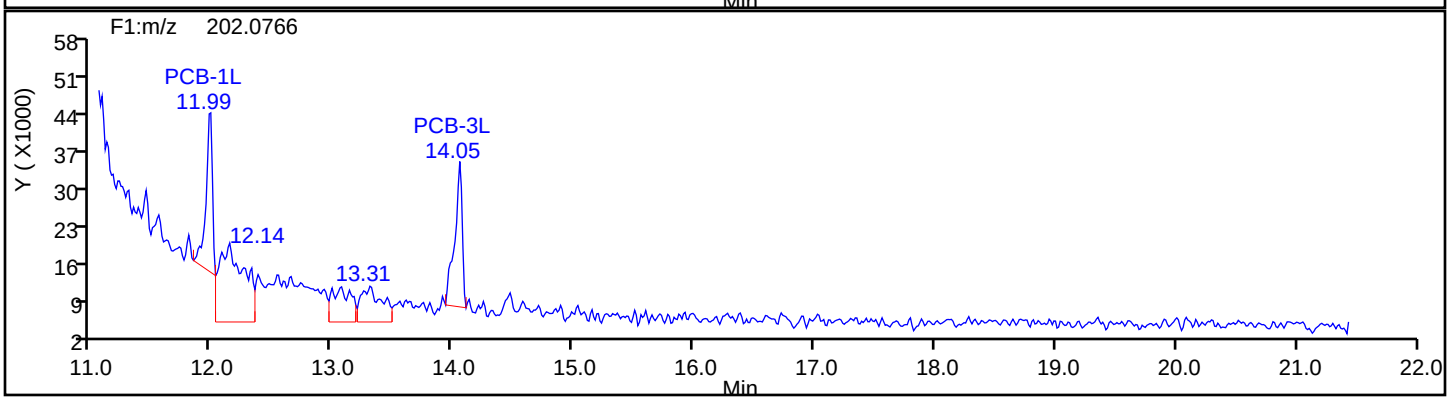
MoPCB F1




MoPCB F1 Standards

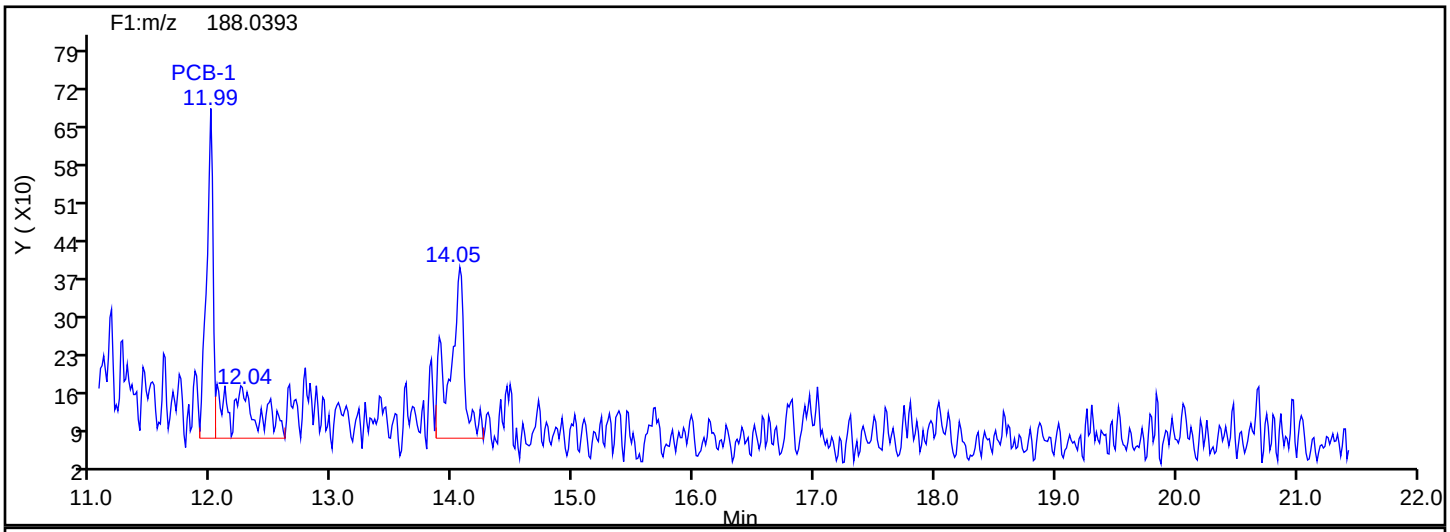


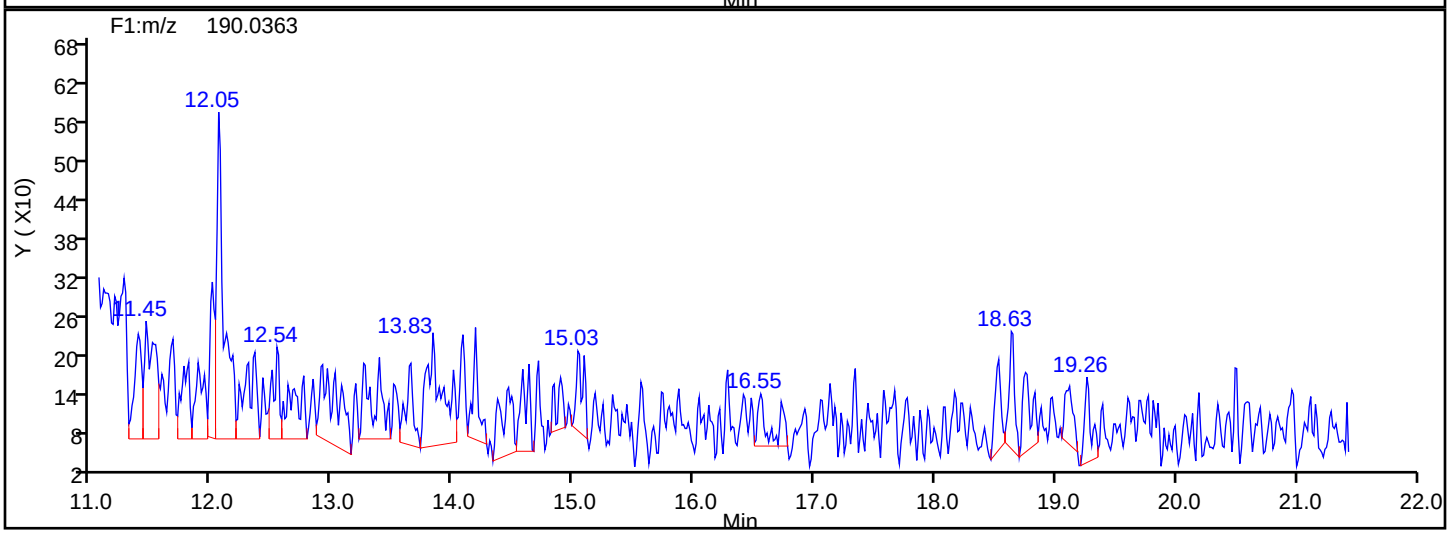



Eurofins TestAmerica, Knoxville

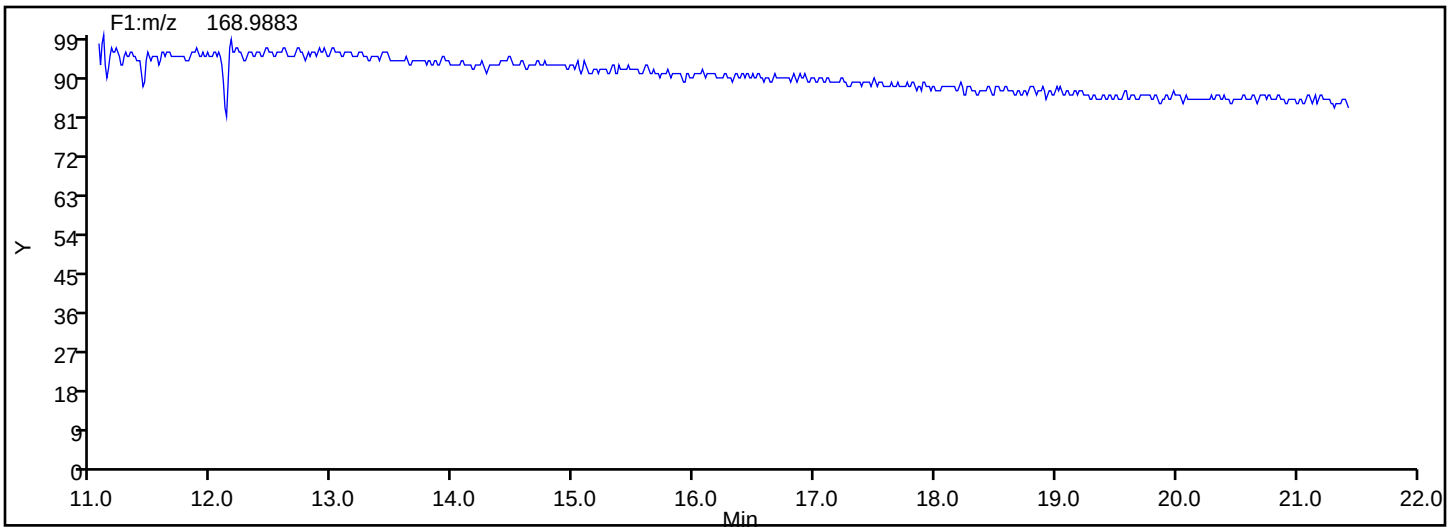
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

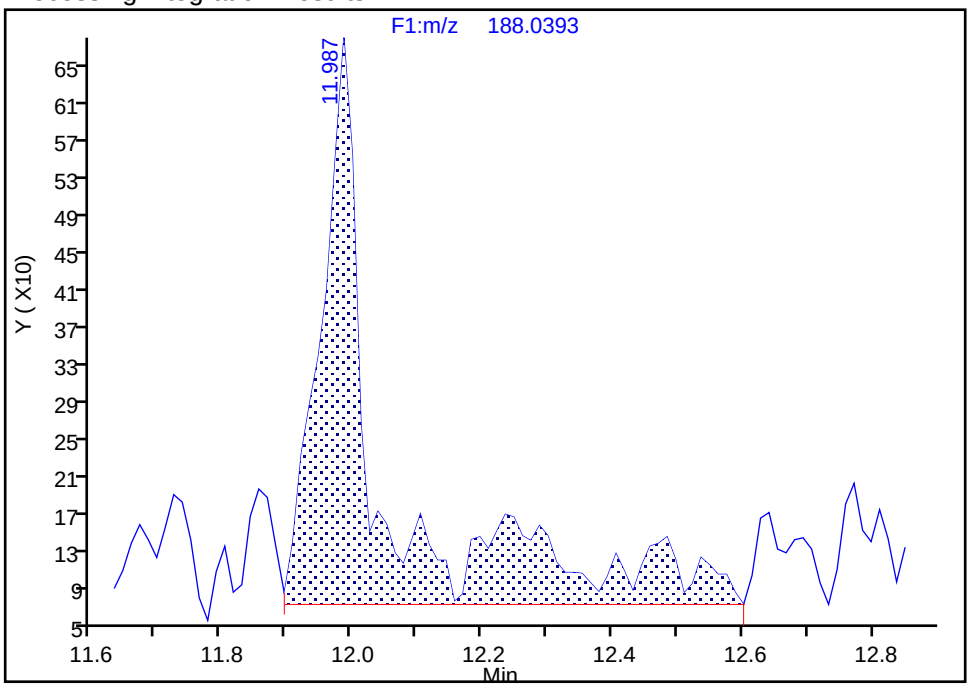
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

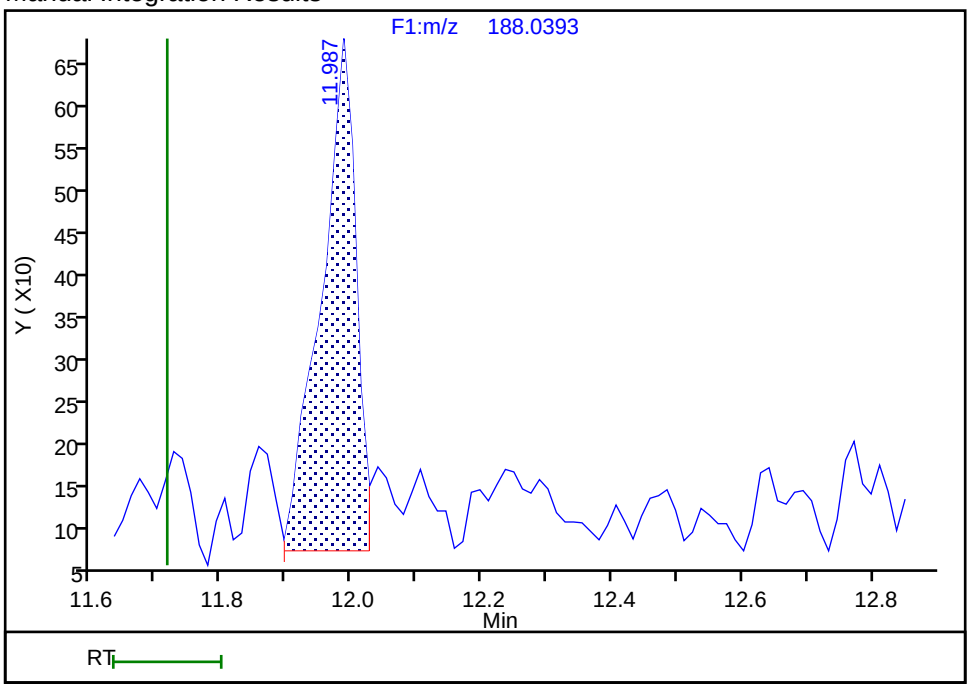
Processing Integration Results

RT: 11.99
Area: 3980
Amount: 0.147489
Amount Units: pg/ul




Manual Integration Results

RT: 11.99
Area: 2230
Amount: 0.116384
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:47:49
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

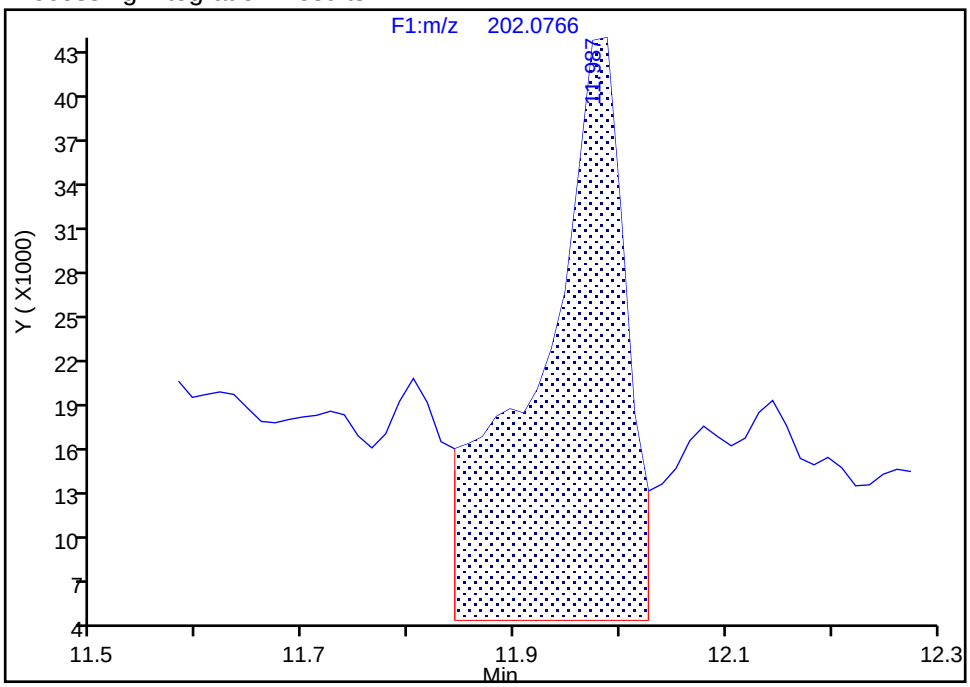
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

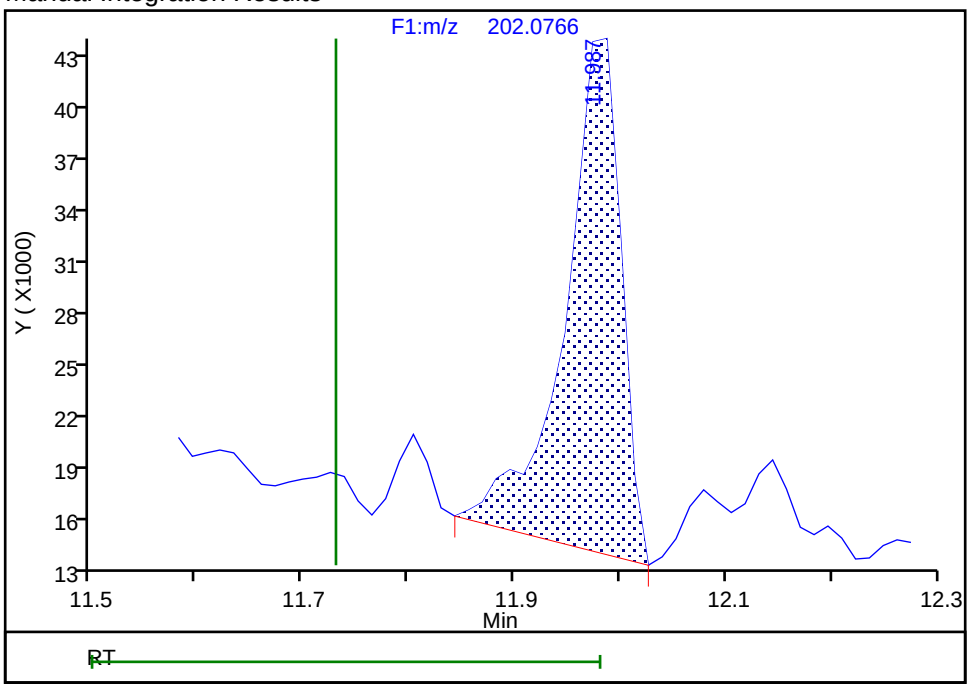
Processing Integration Results

RT: 11.99
Area: 222101
Amount: 14.877658
Amount Units: pg/ul




Manual Integration Results

RT: 11.99
Area: 110688
Amount: 11.750691
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:07:08

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

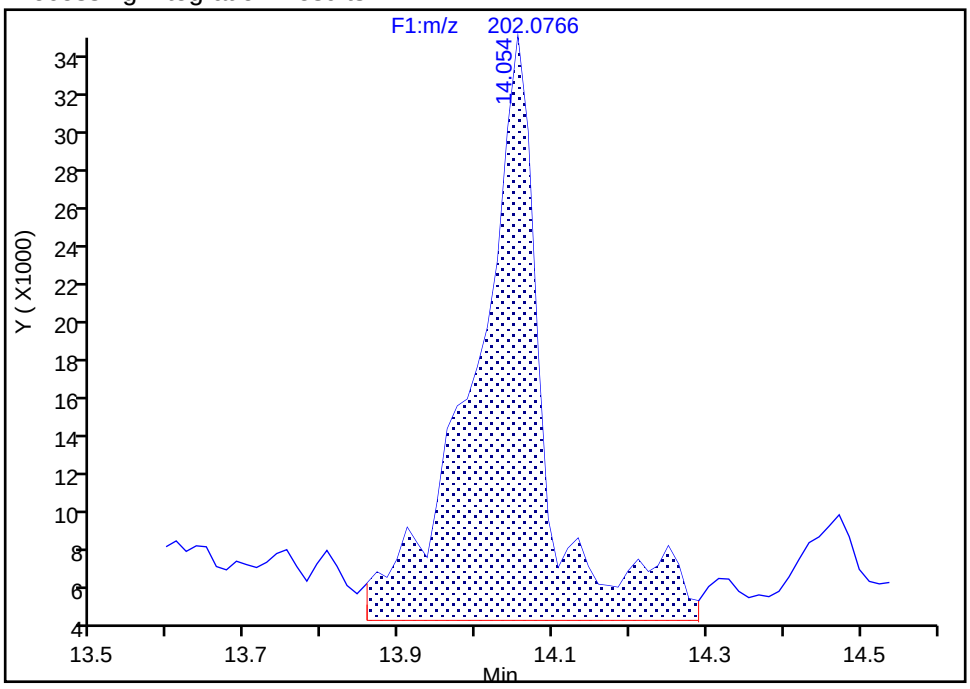
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 2

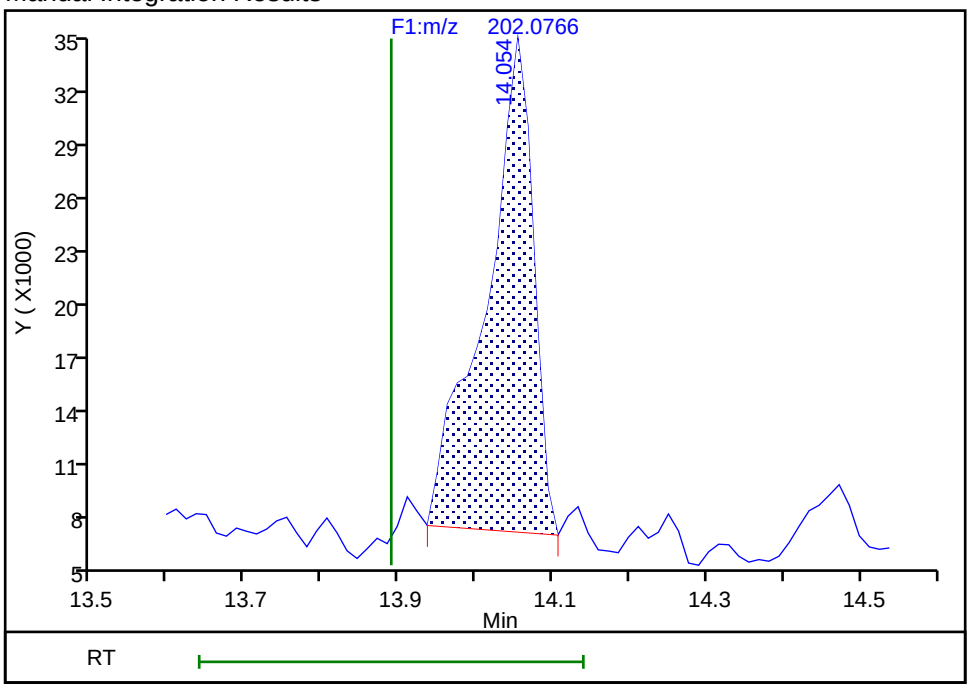
Processing Integration Results

RT: 14.05
Area: 191750
Amount: 15.708772
Amount Units: pg/ul




Manual Integration Results

RT: 14.05
Area: 117876
Amount: 13.707728
Amount Units: pg/ul



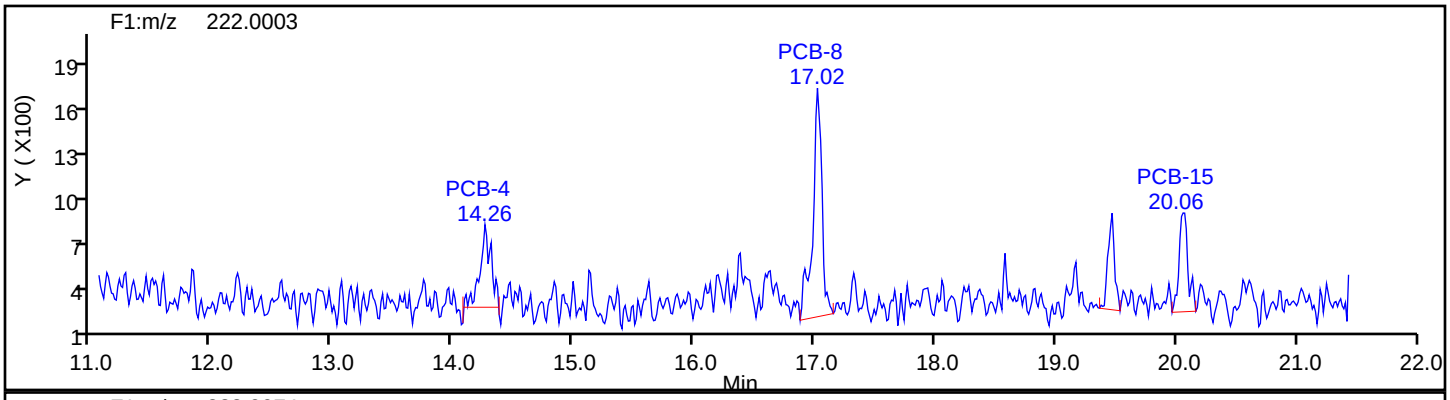

Reviewer: davidsonm, 04-Oct-2019 14:07:18

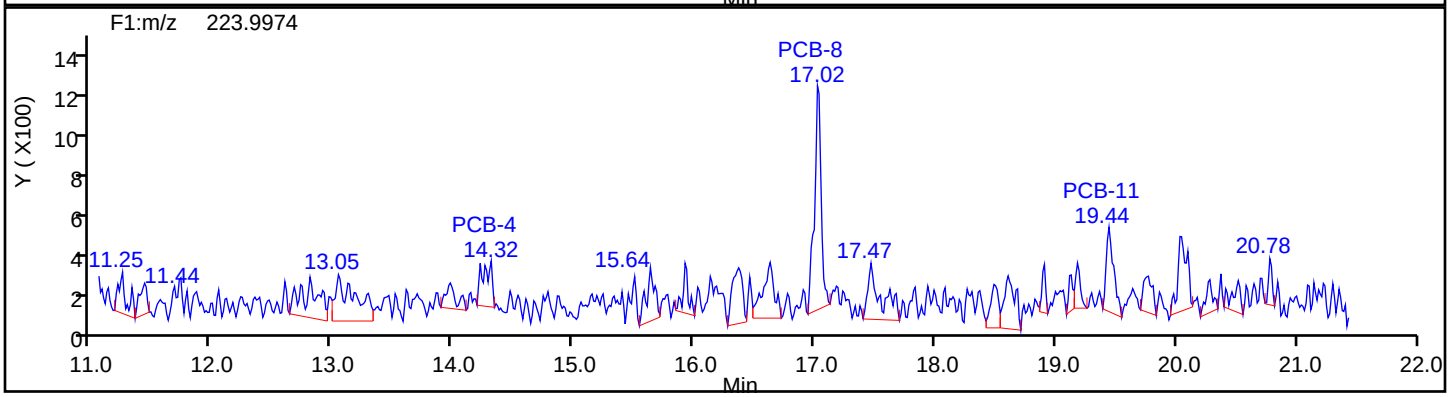
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

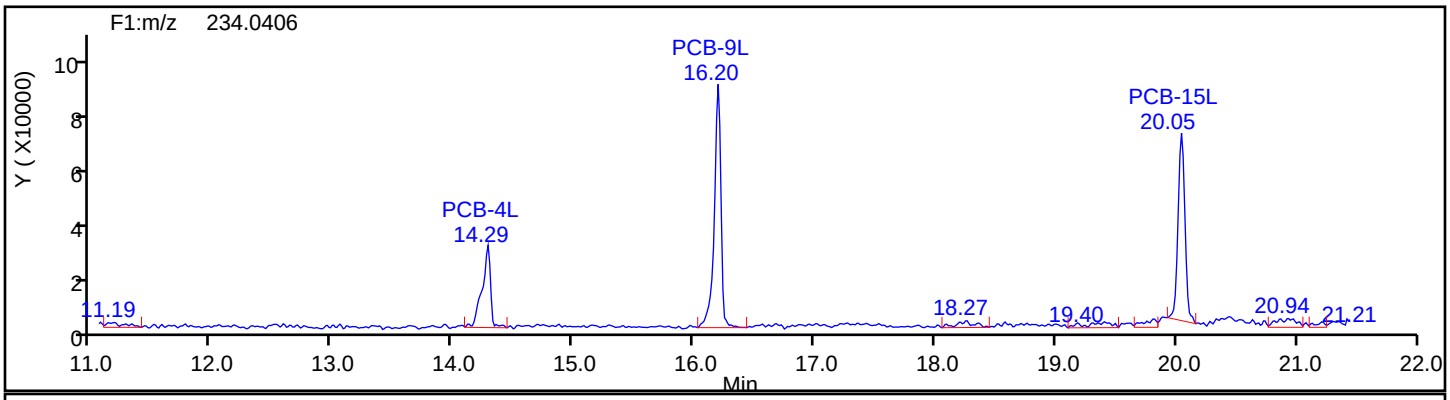
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

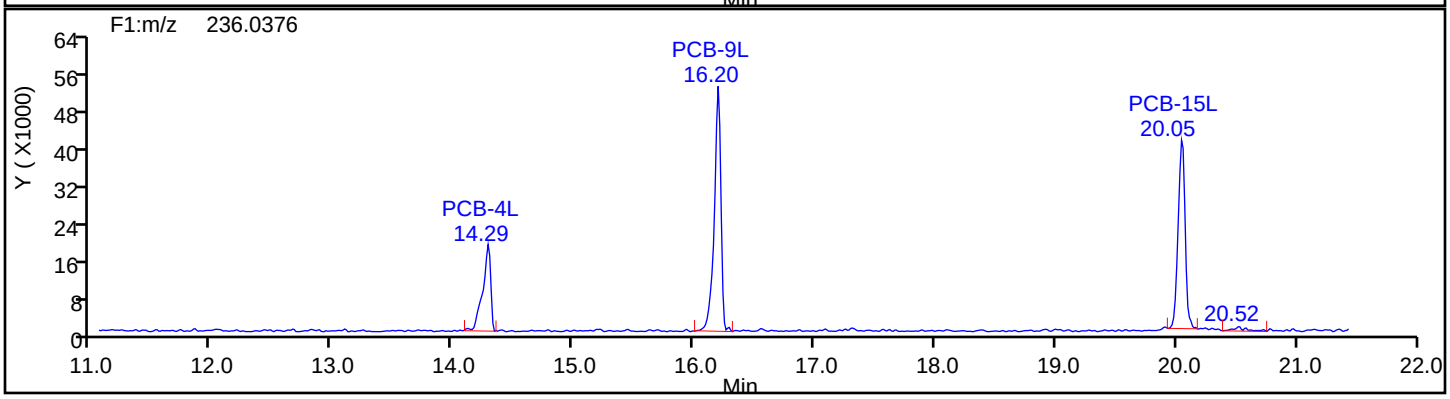
DiPCB F1




DiPCB F1 Standards

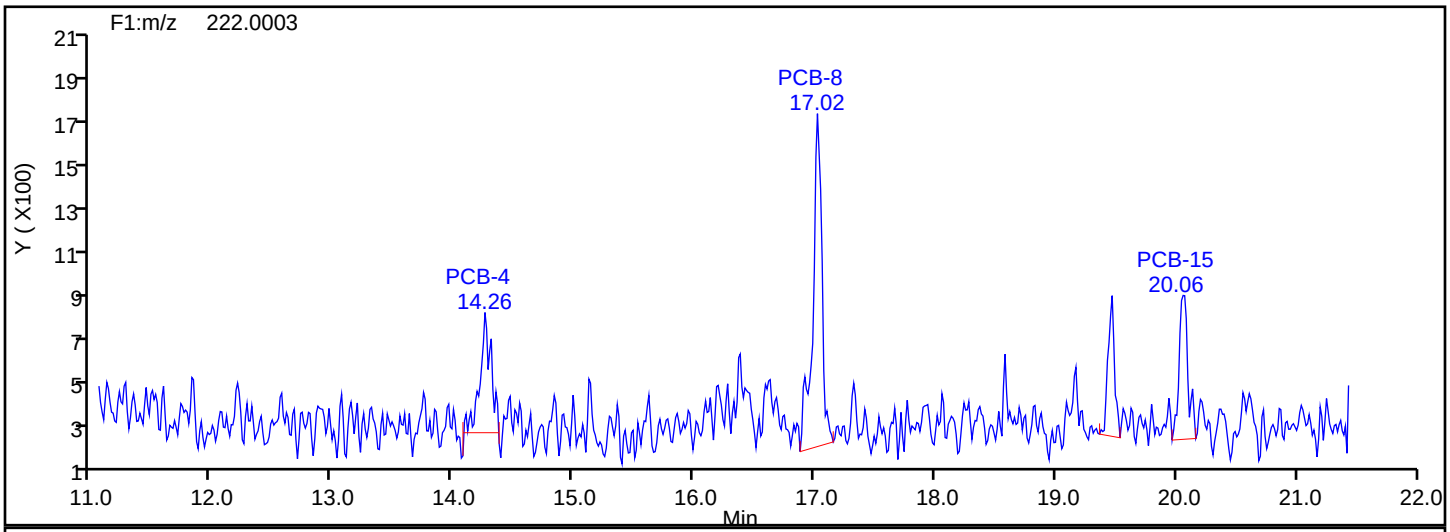


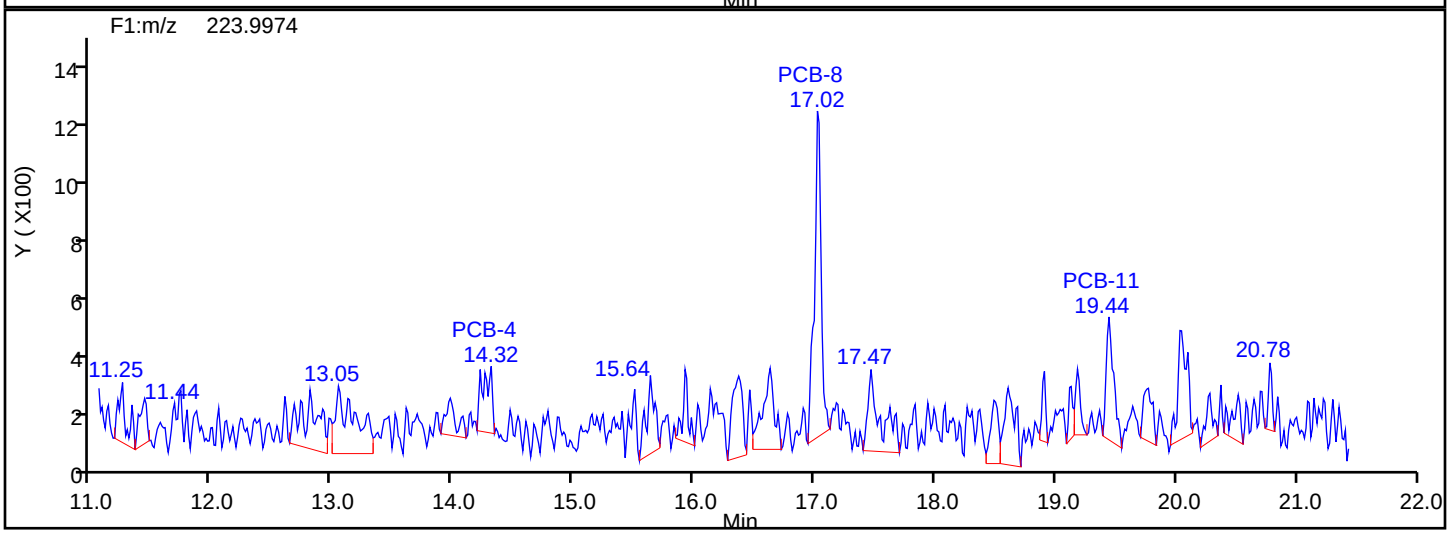



Eurofins TestAmerica, Knoxville

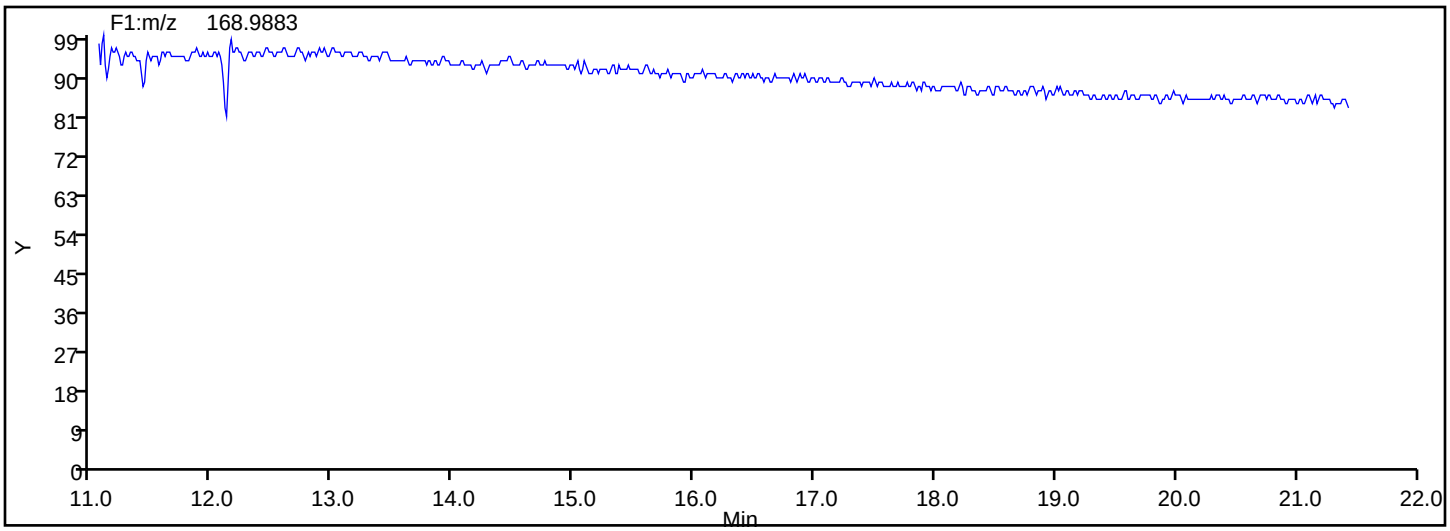
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

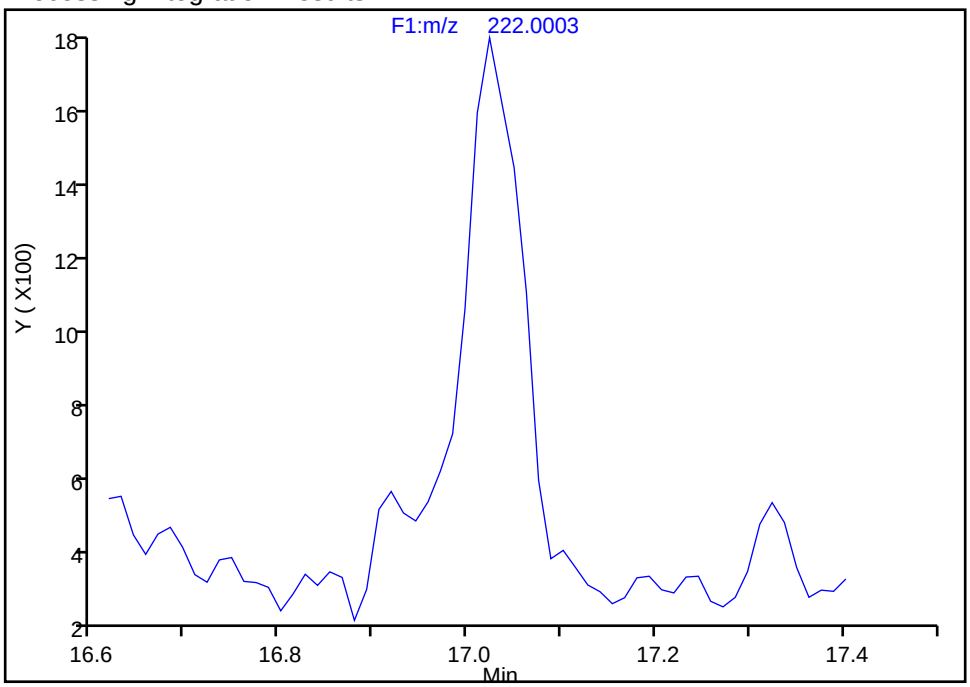
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

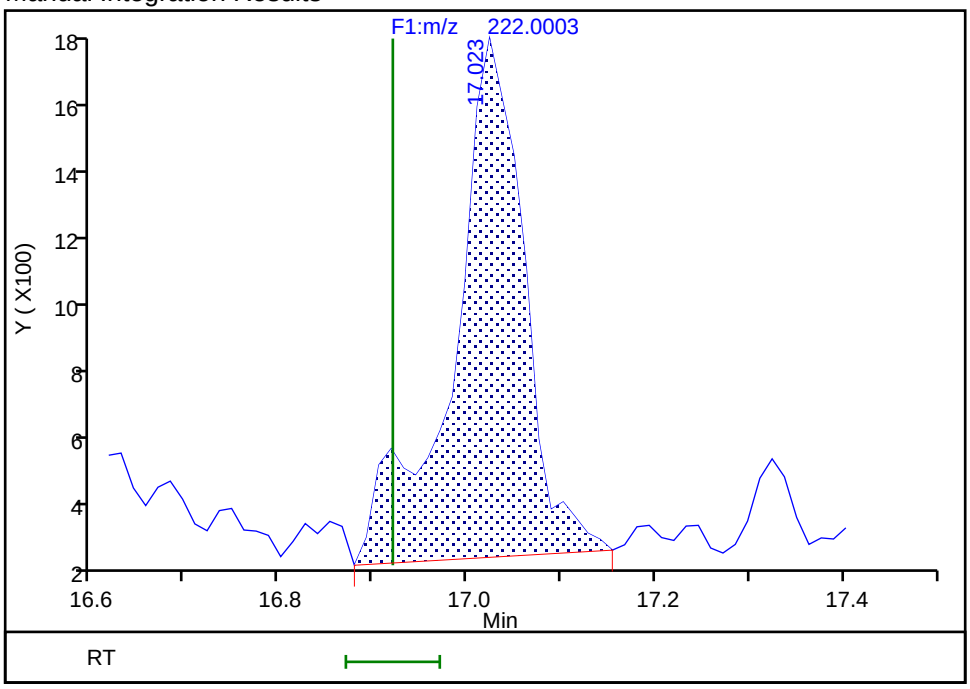
Not Detected
Expected RT: 16.92

Processing Integration Results




Manual Integration Results

RT: 17.02
Area: 7602
Amount: 0.445625
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:48:29
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

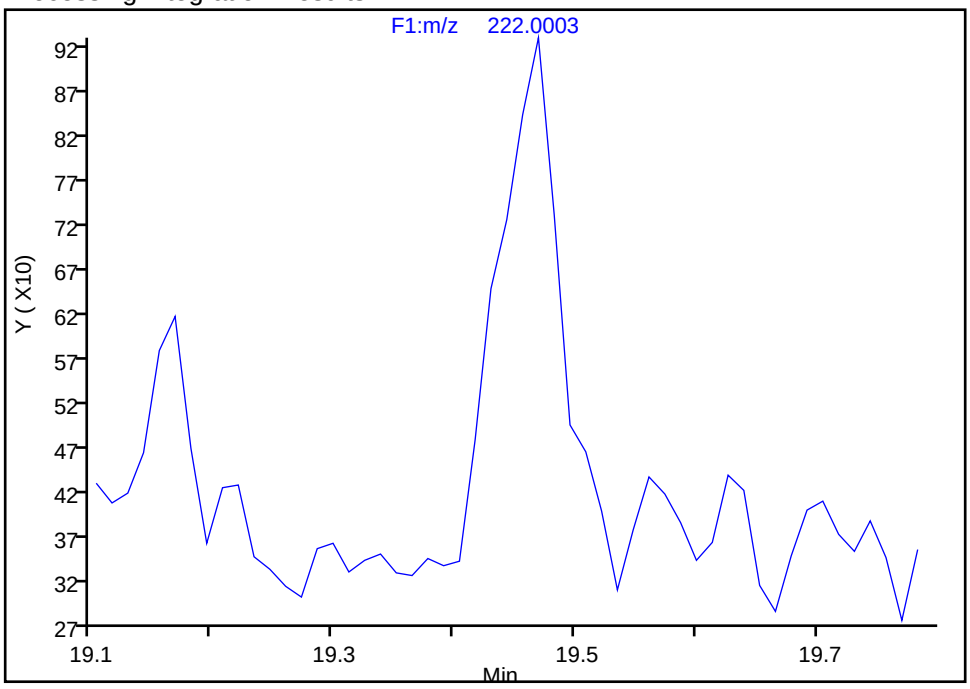
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

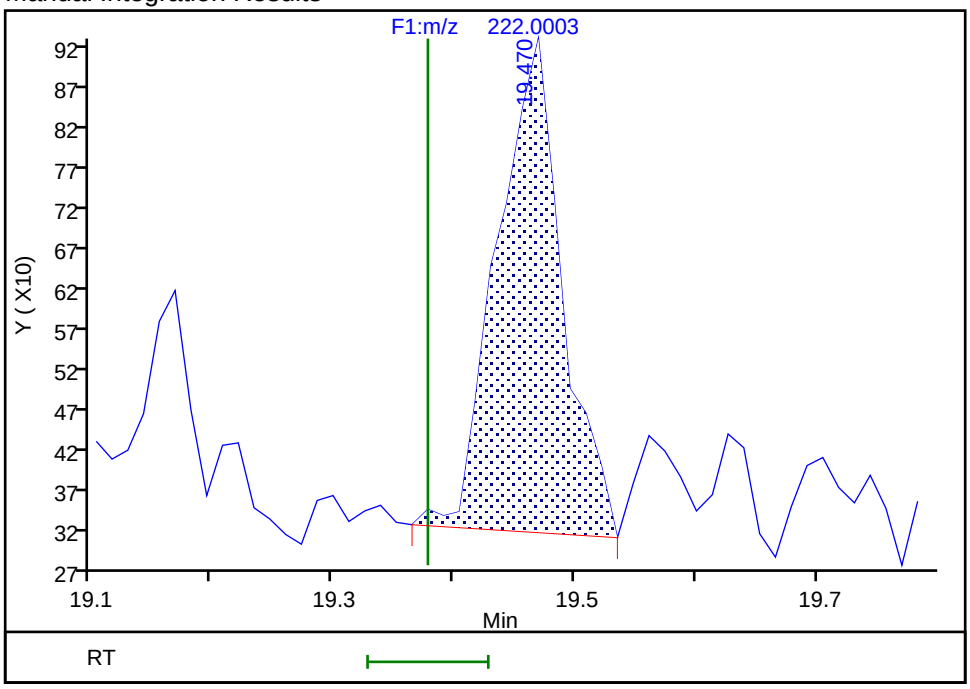
Not Detected
Expected RT: 19.38

Processing Integration Results




Manual Integration Results

RT: 19.47
Area: 2281
Amount: 0.148080
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:48:44
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

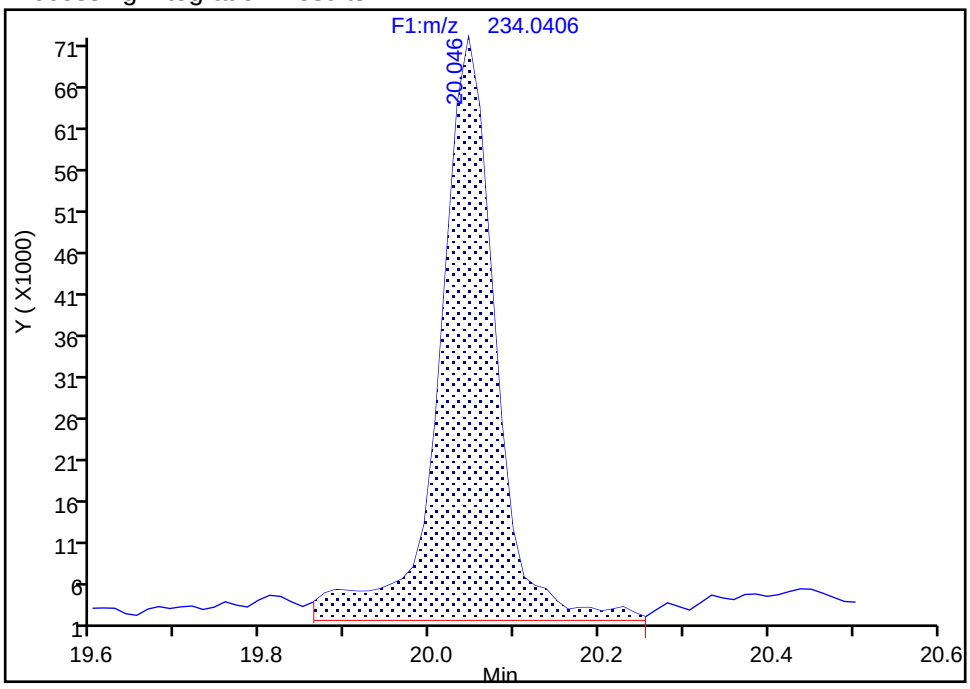
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 1

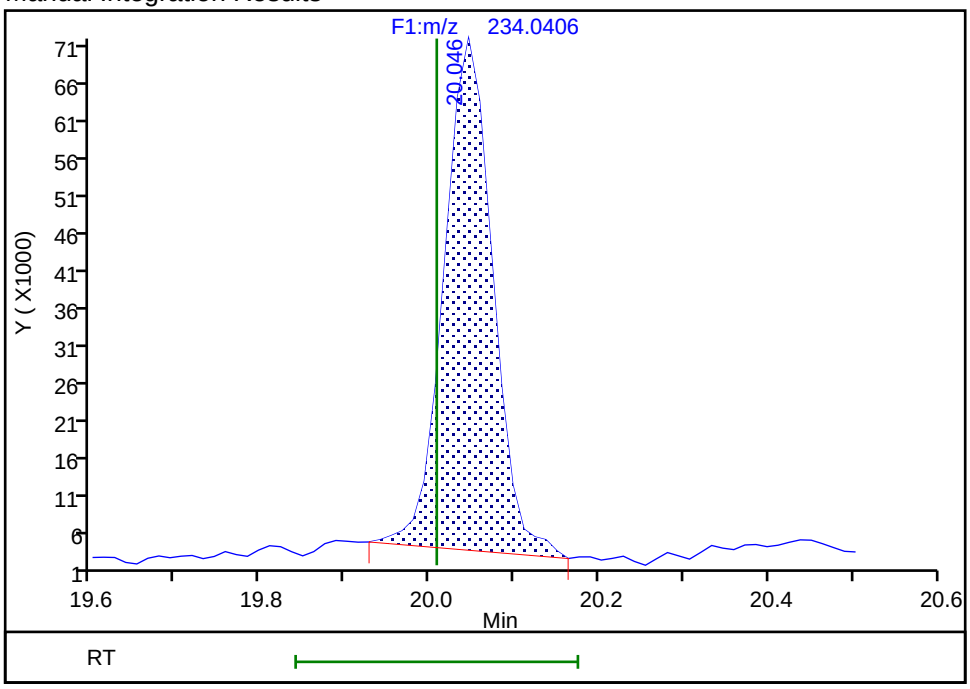
Processing Integration Results

RT: 20.05
Area: 324810
Amount: 17.978472
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 270474
Amount: 15.628666
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:07:37

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

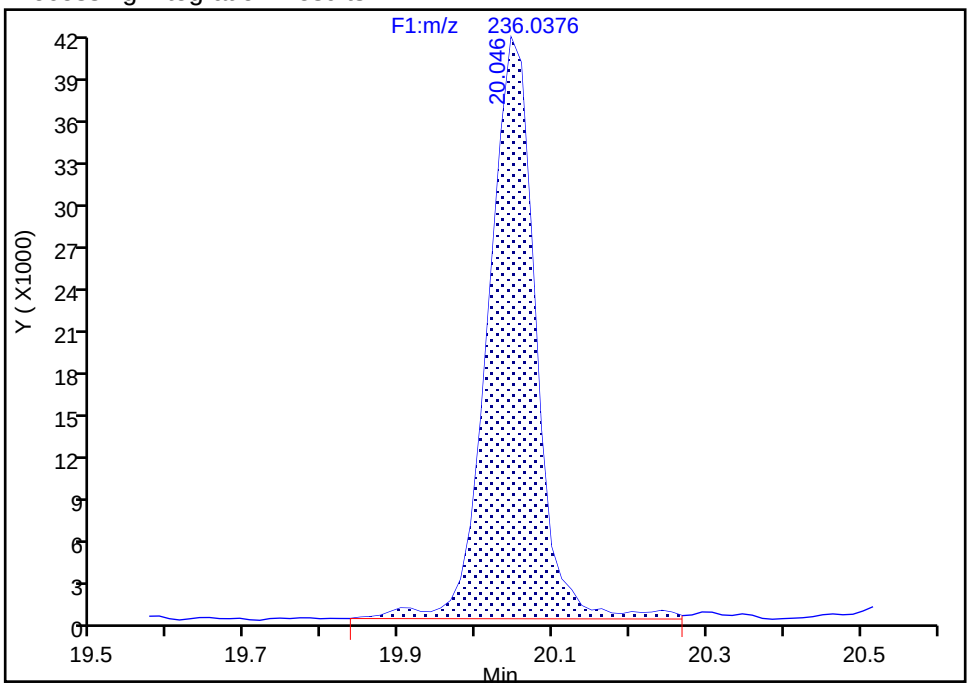
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 2

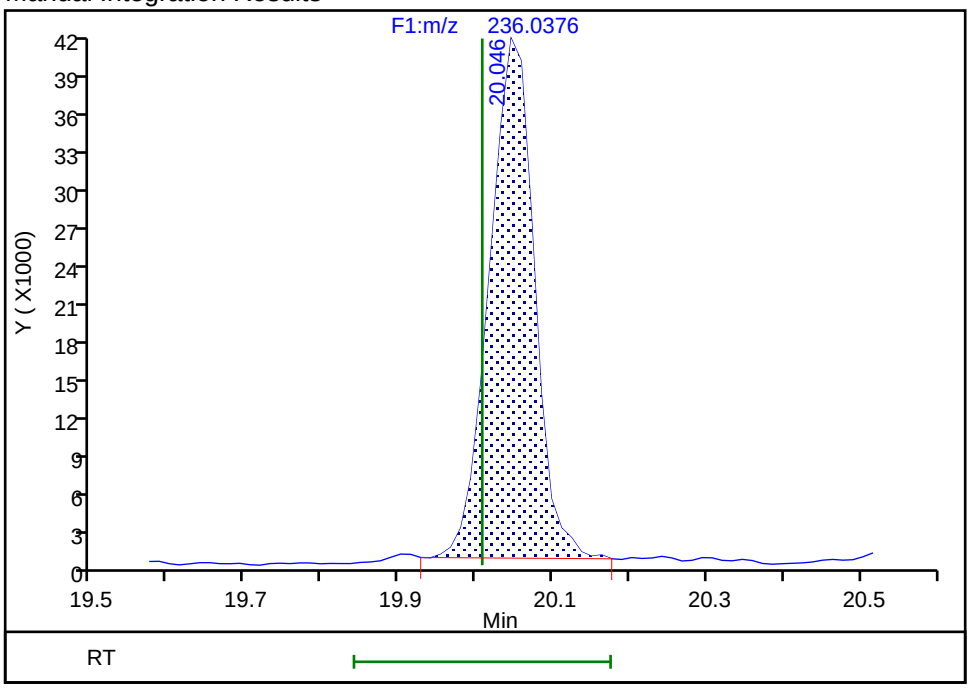
Processing Integration Results

RT: 20.05
Area: 176341
Amount: 17.978472
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 165176
Amount: 15.628666
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:07:44

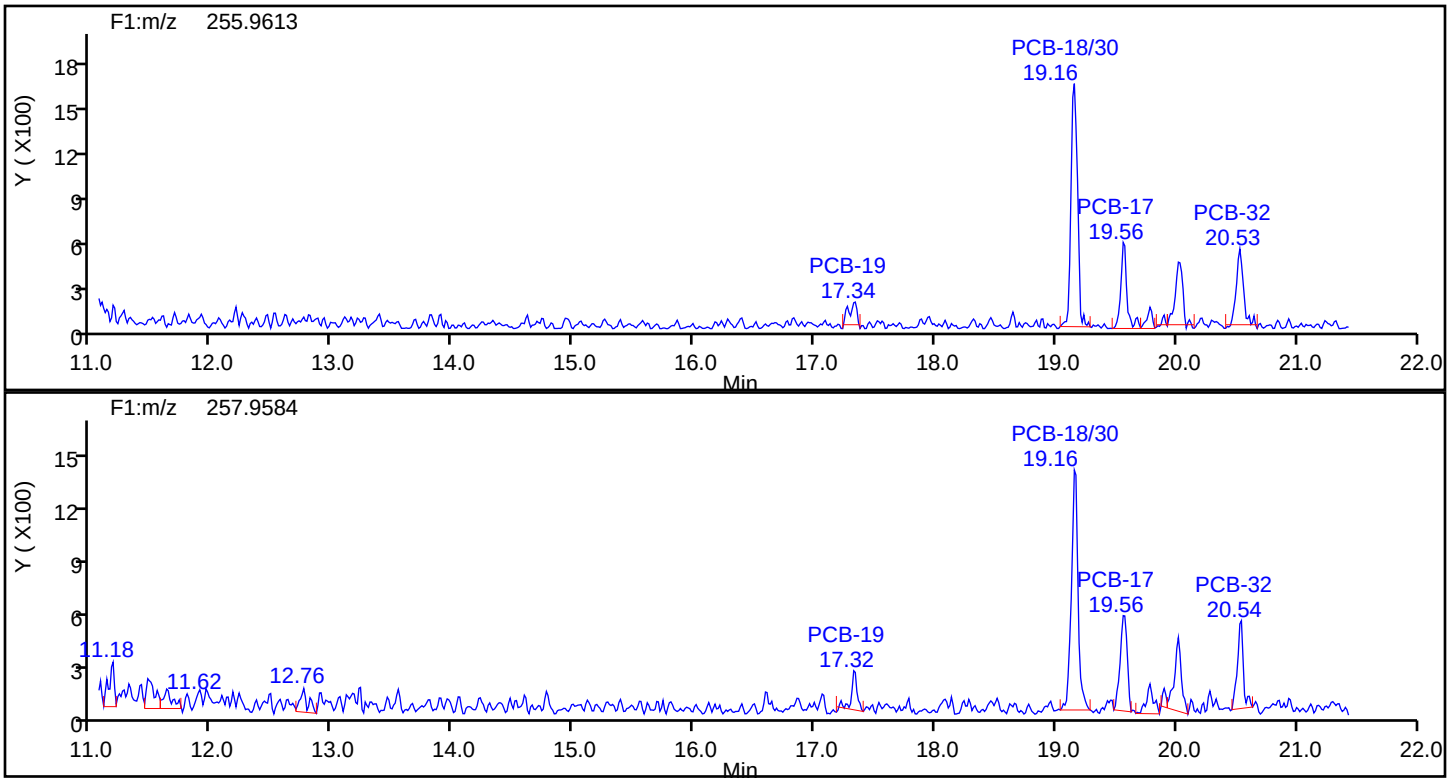
Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 04-Oct-2019 14:09:03 Chrom Revision: 2.3 17-Sep-2019 16:19:08

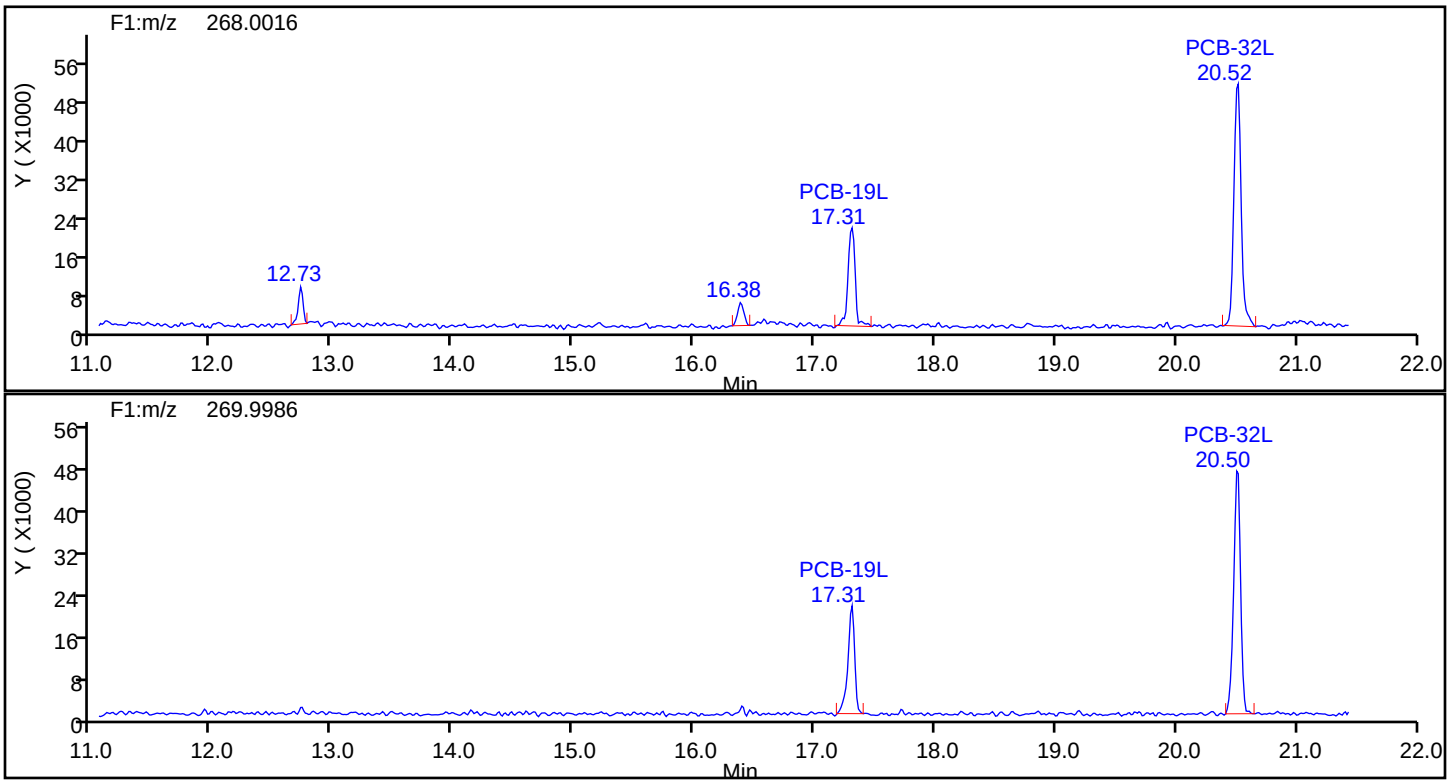
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



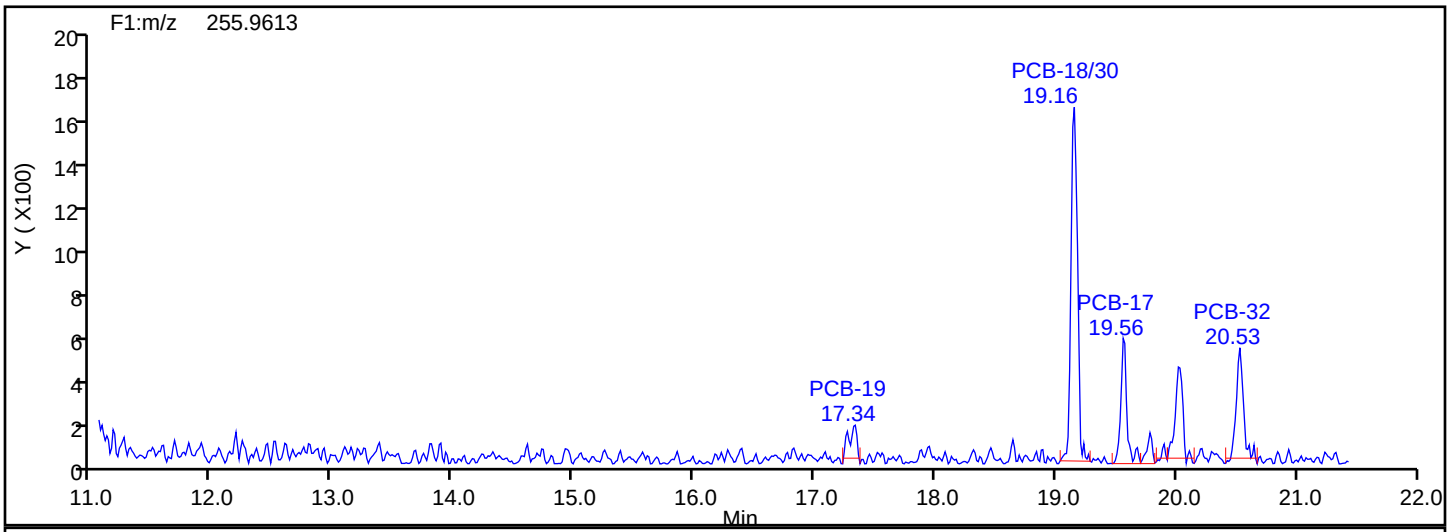

TriPCB F1 Standards

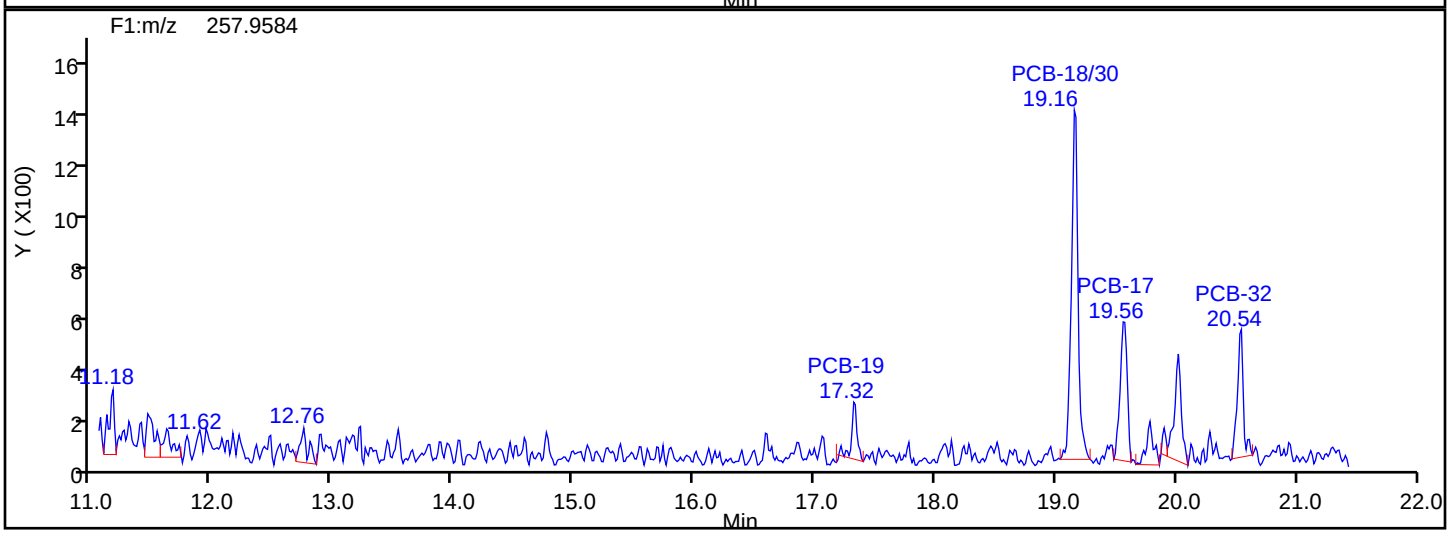


Eurofins TestAmerica, Knoxville

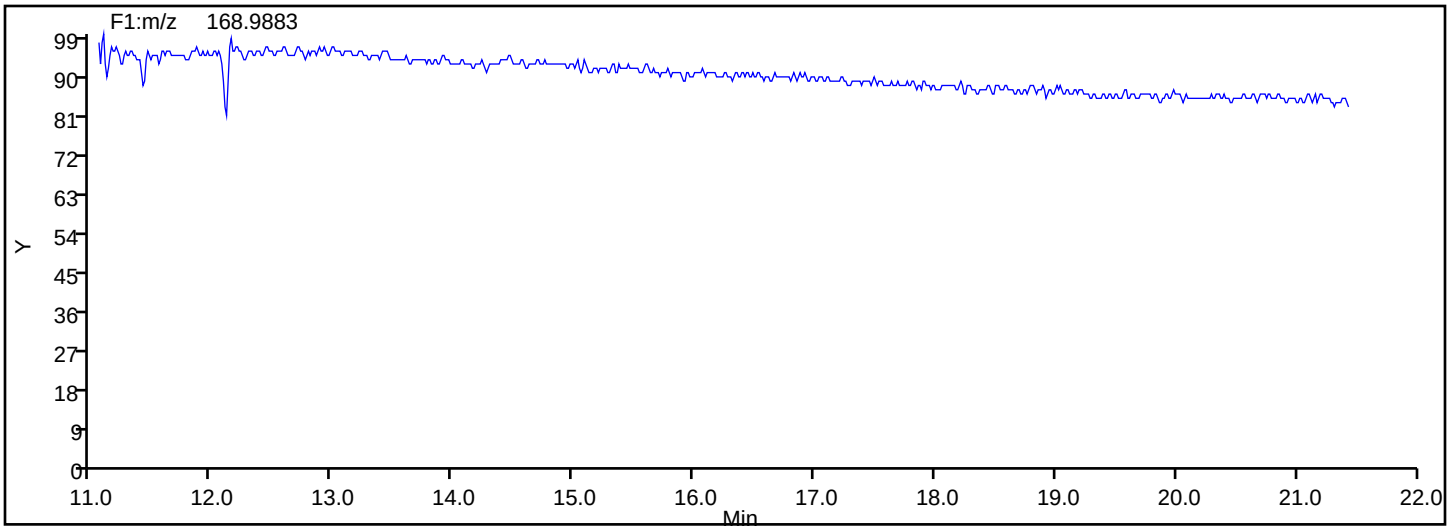
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

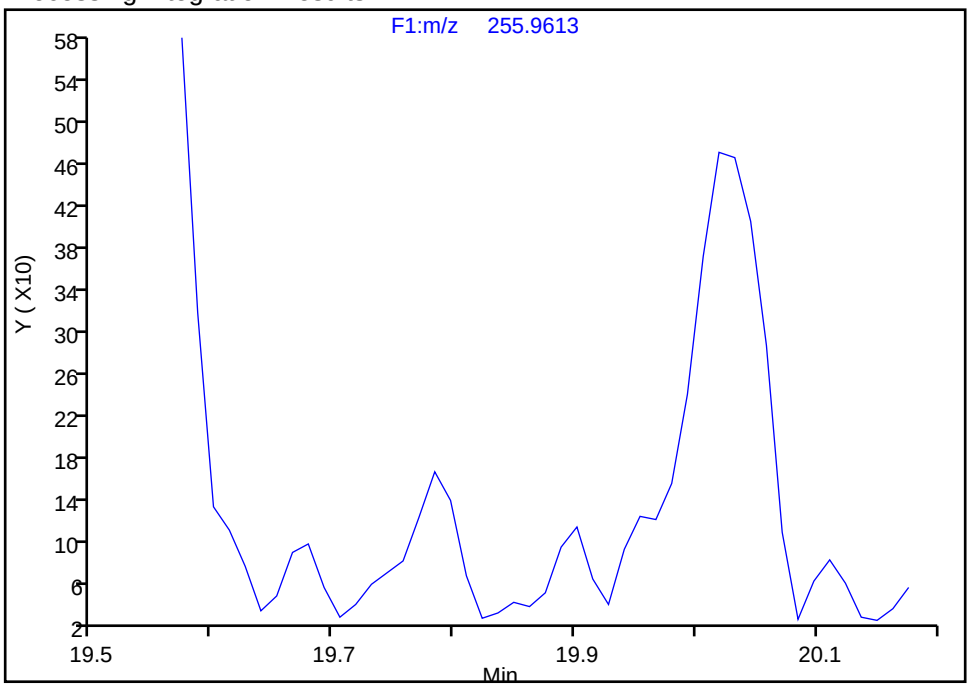
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

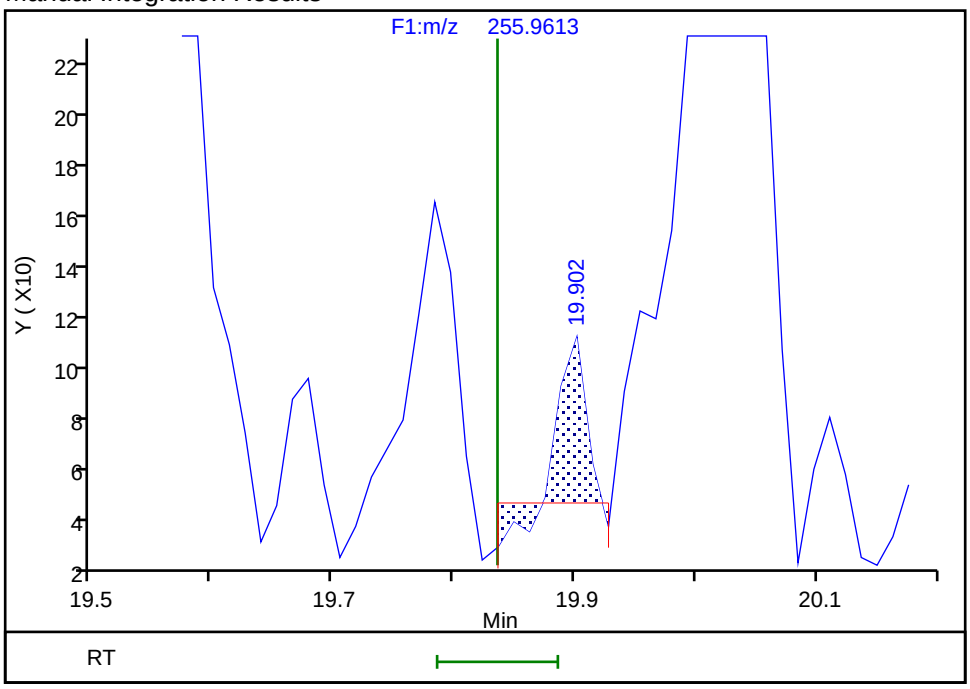
Not Detected
Expected RT: 19.84

Processing Integration Results




Manual Integration Results

RT: 19.90
Area: 74
Amount: 0.015571
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:49:43
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

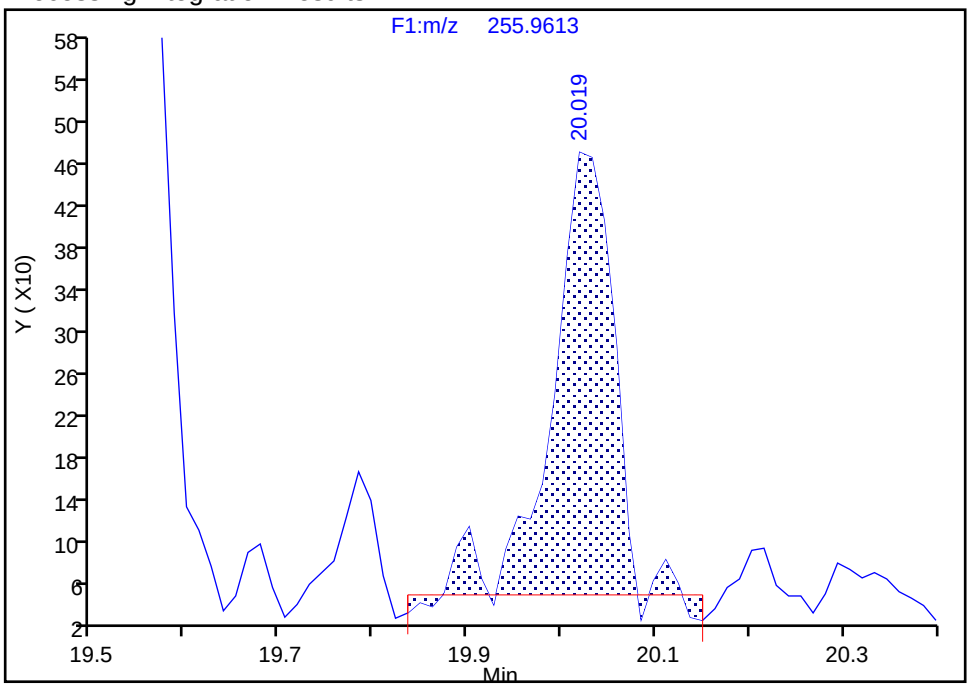
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

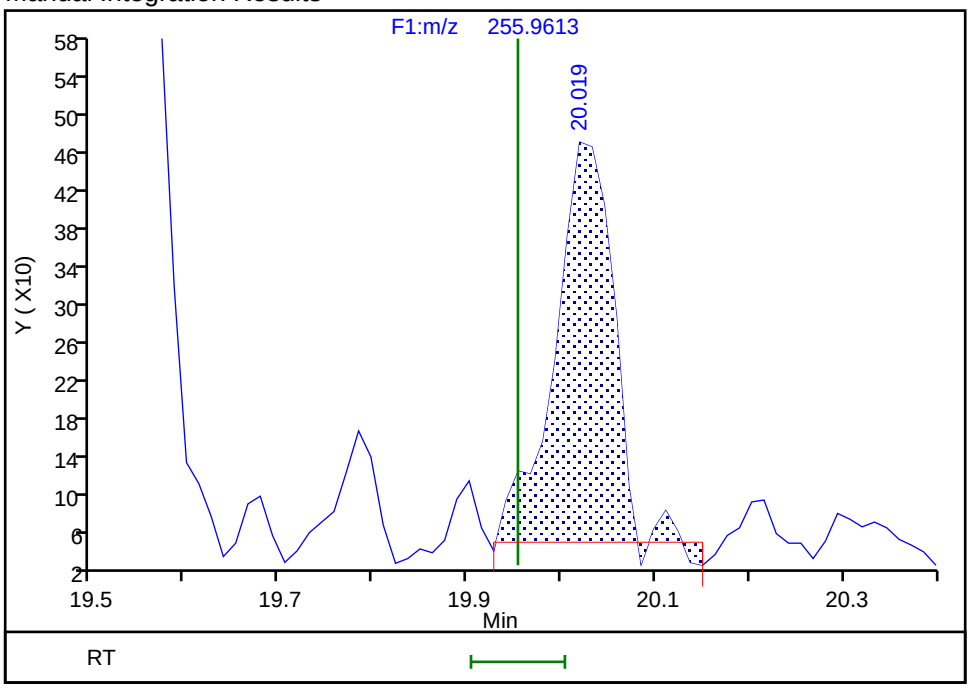
Processing Integration Results

RT: 20.02
Area: 1858
Amount: 0.357828
Amount Units: pg/ul




Manual Integration Results

RT: 20.02
Area: 1783
Amount: 0.331428
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:49:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

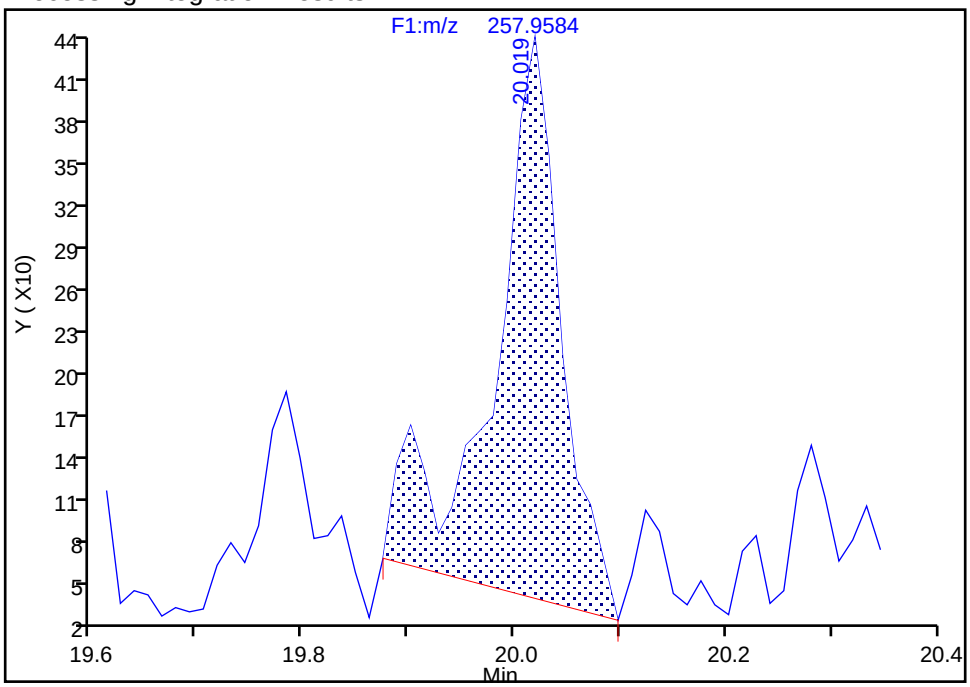
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 2

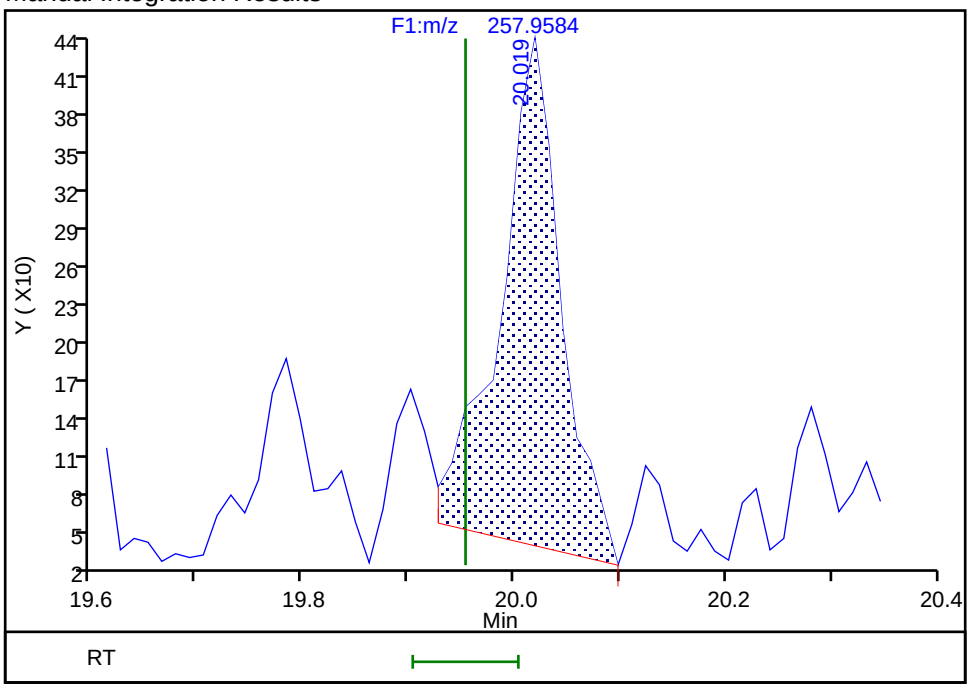
Processing Integration Results

RT: 20.02
Area: 1788
Amount: 0.357828
Amount Units: pg/ul




Manual Integration Results

RT: 20.02
Area: 1594
Amount: 0.331428
Amount Units: pg/ul

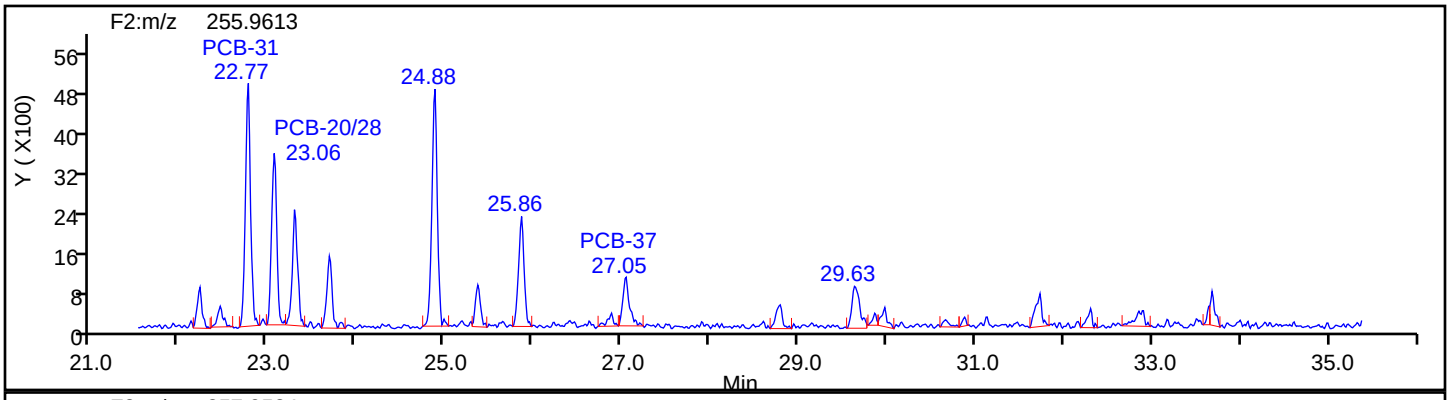


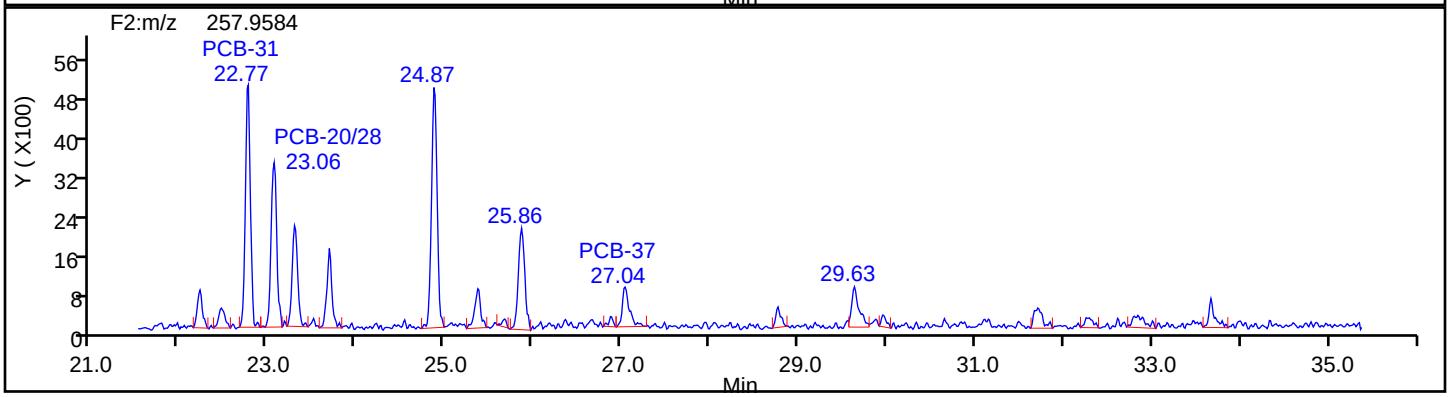

Reviewer: layk, 04-Oct-2019 09:49:31
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

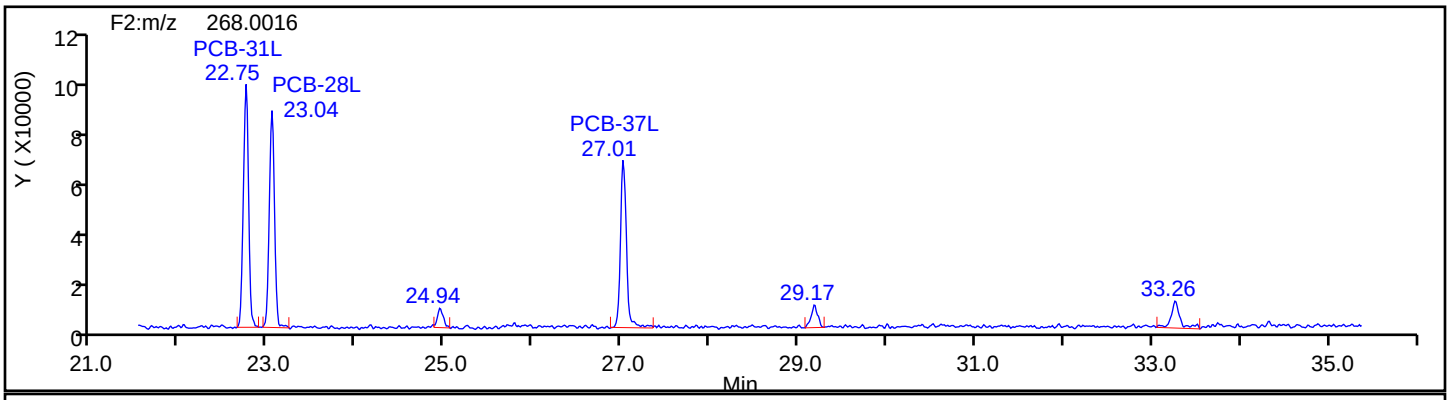
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

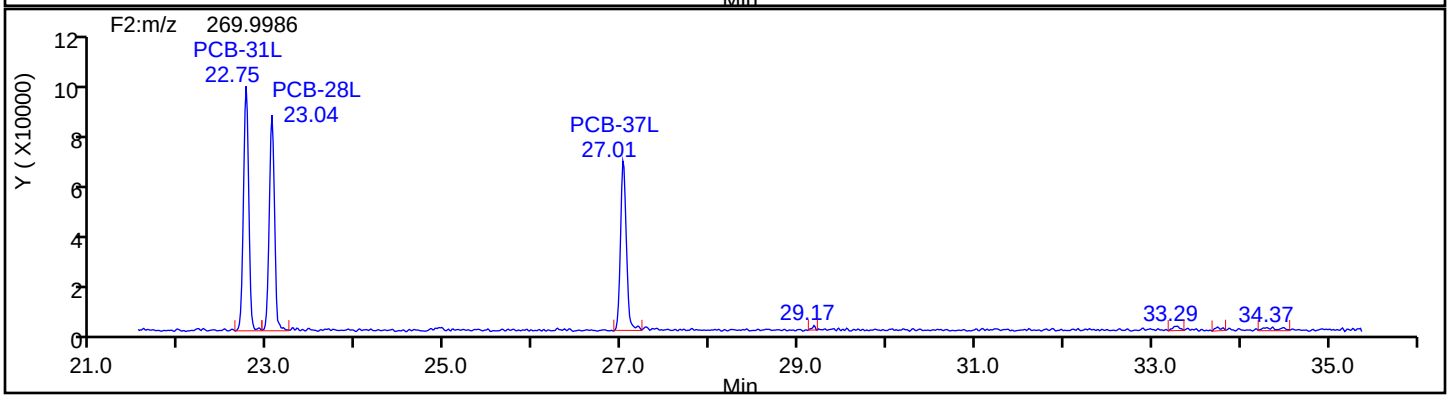
TriPCB F2




TriPCB F2 Standards

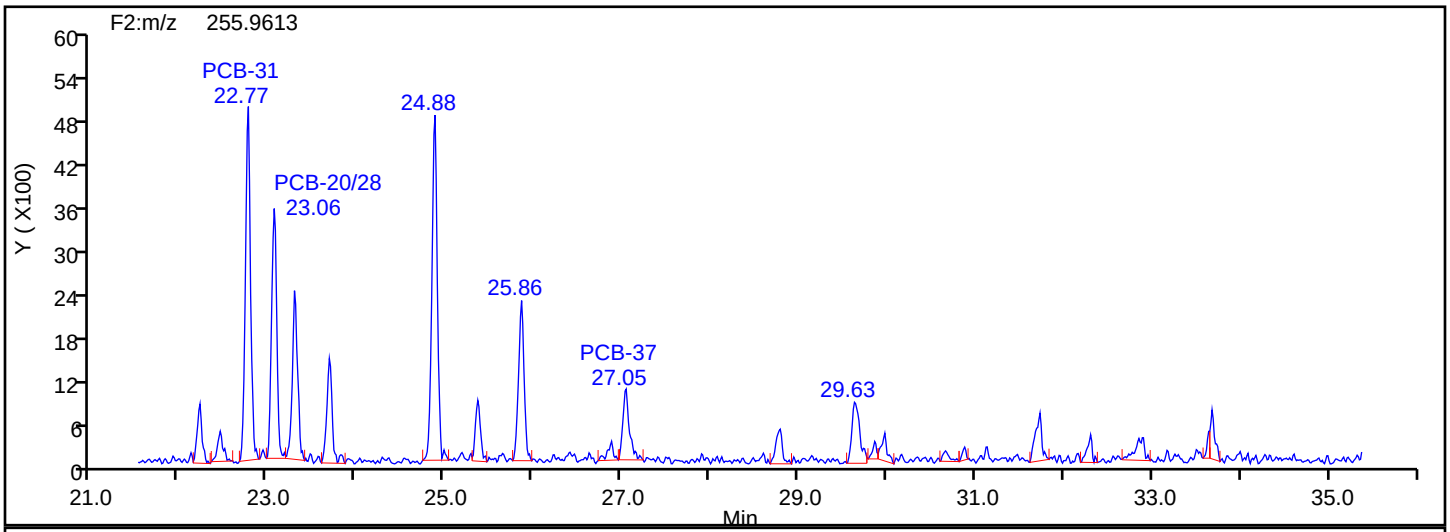


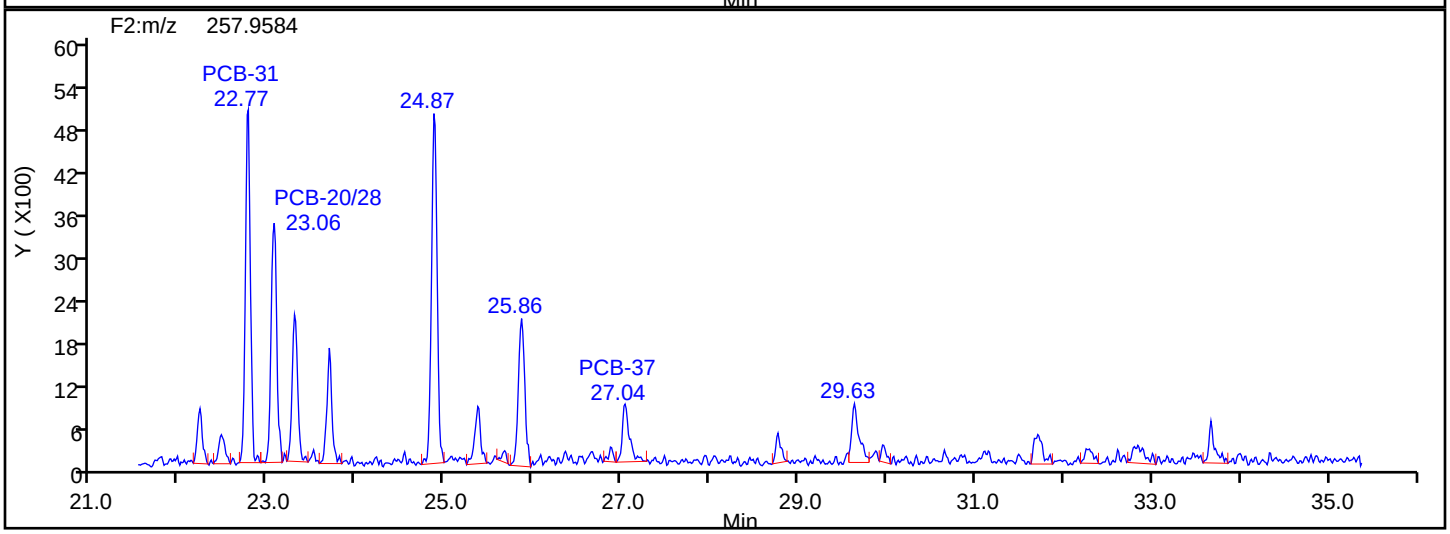



Eurofins TestAmerica, Knoxville

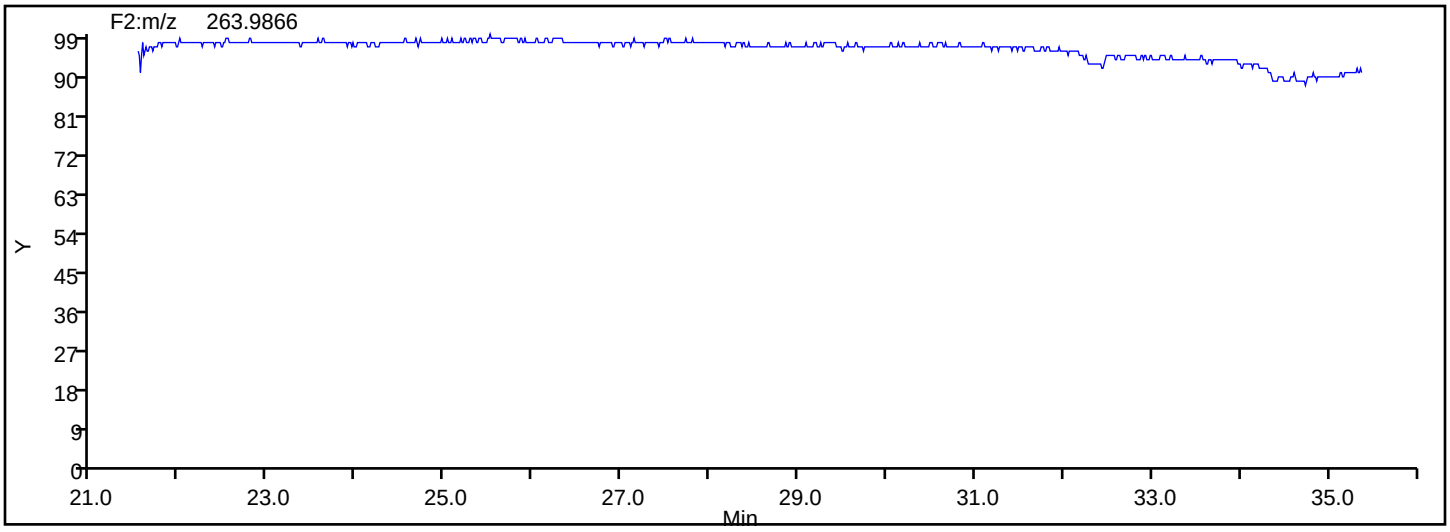
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

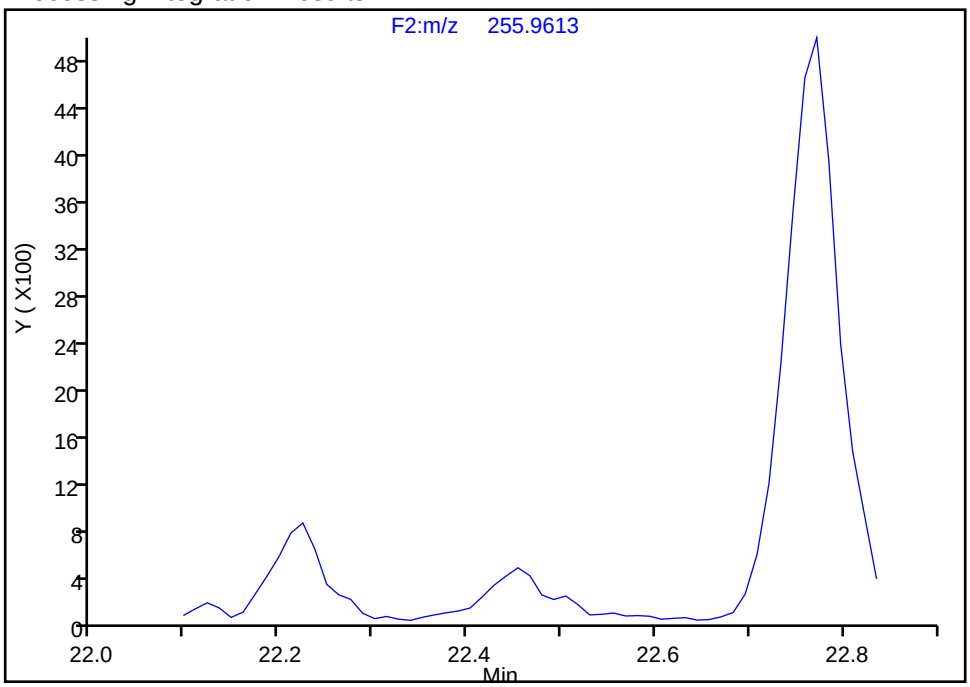
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-25, CAS: 55712-37-3

Signal: 1

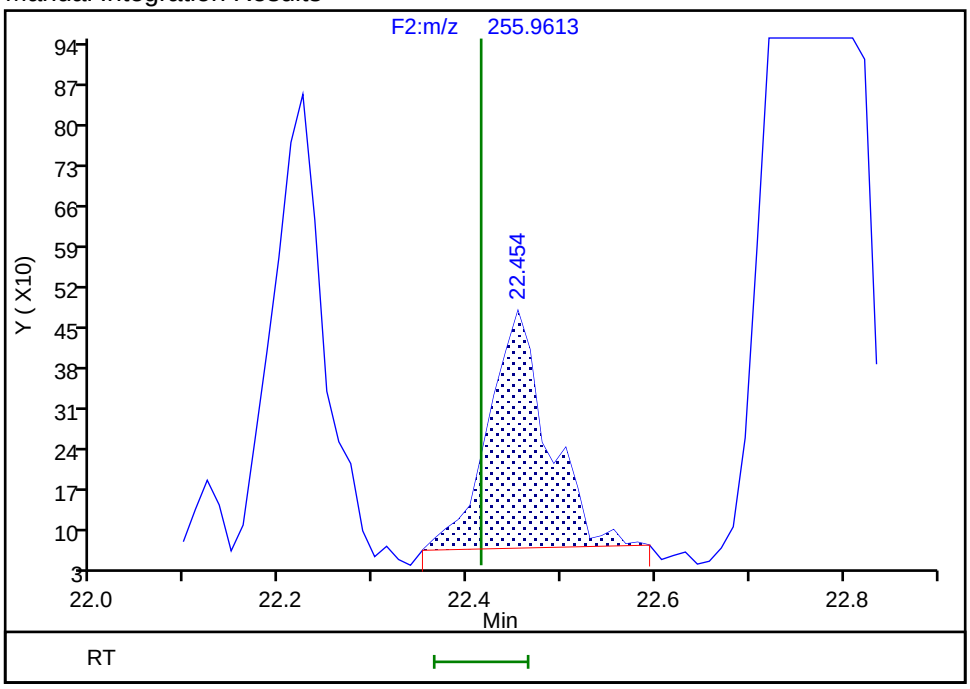
Not Detected
Expected RT: 22.41

Processing Integration Results




Manual Integration Results

RT: 22.45
Area: 1827
Amount: 0.092744
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:49:57
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

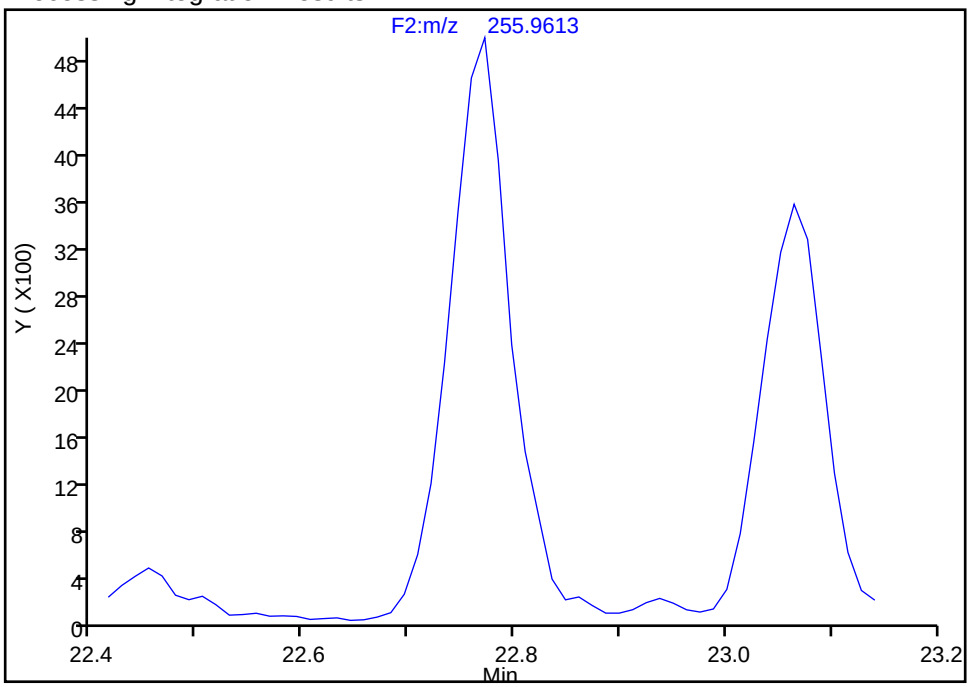
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-31, CAS: 16606-02-3

Signal: 1

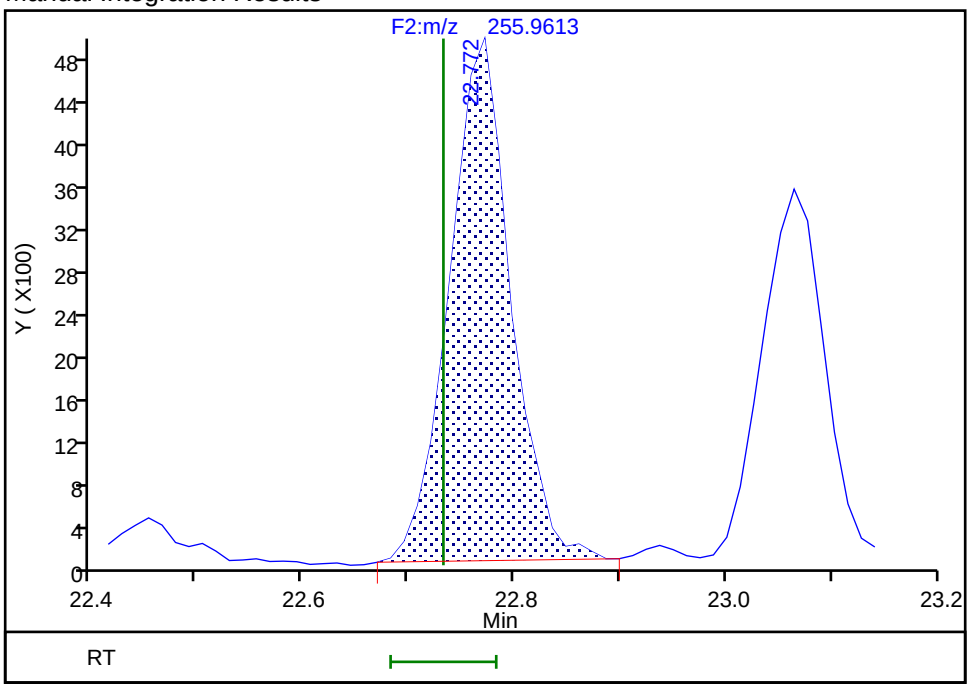
Not Detected
Expected RT: 22.73

Processing Integration Results




Manual Integration Results

RT: 22.77
Area: 19624
Amount: 0.914489
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:50:02
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

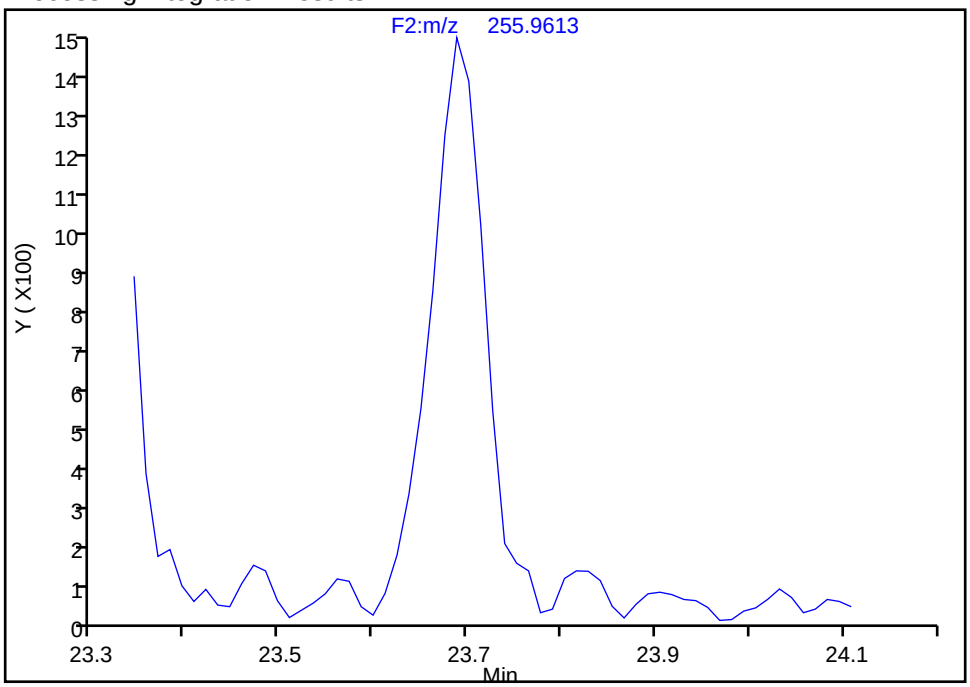
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-22, CAS: 38444-85-8

Signal: 1

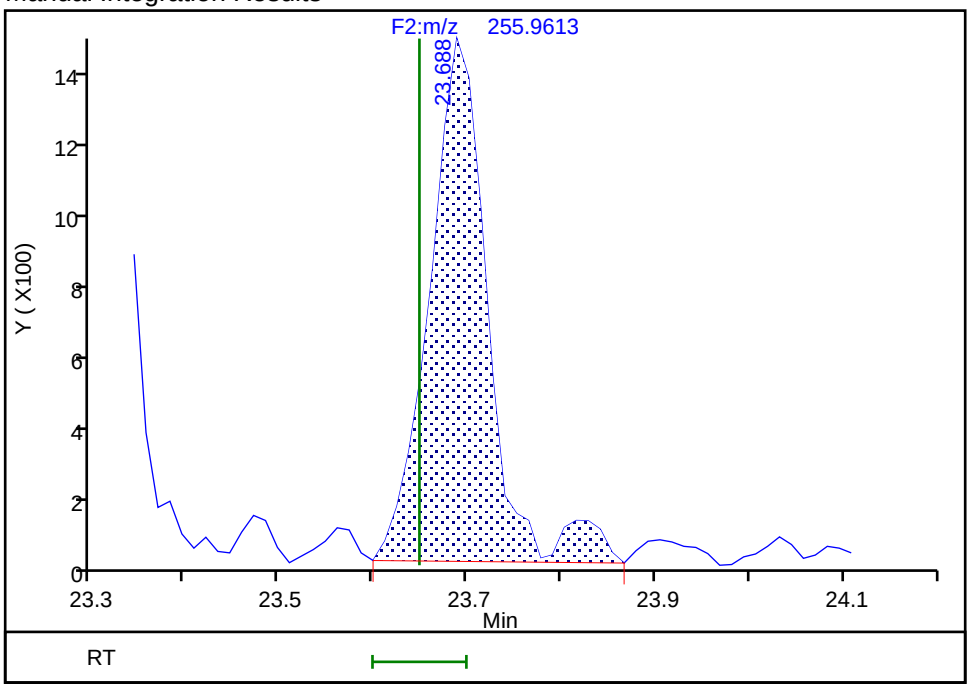
Not Detected
Expected RT: 23.65

Processing Integration Results




Manual Integration Results

RT: 23.69
Area: 6253
Amount: 0.329507
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:50:08
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

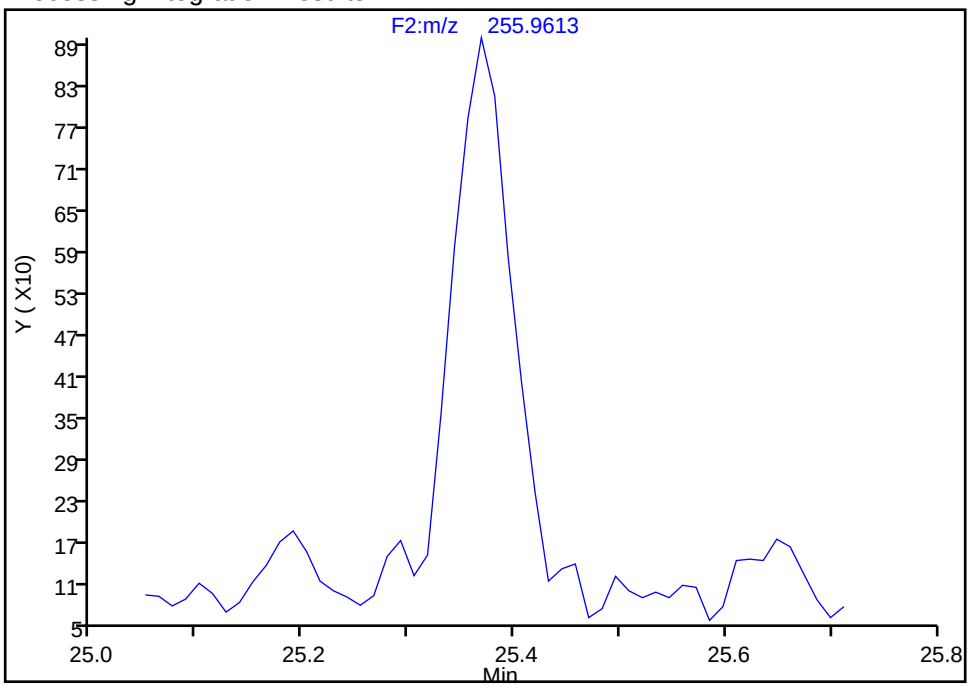
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

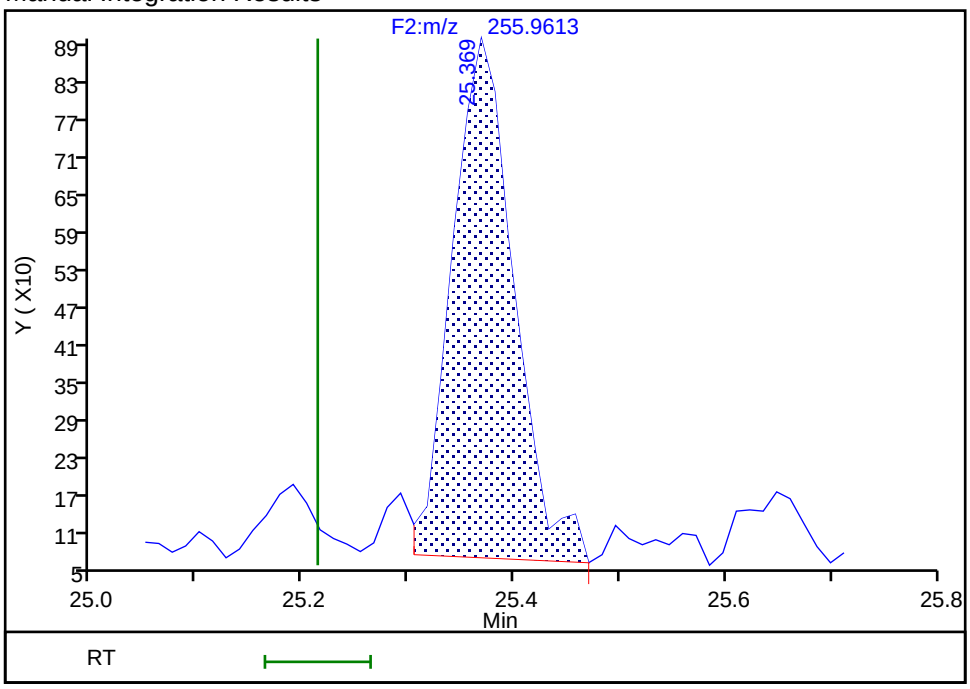
Not Detected
Expected RT: 25.21

Processing Integration Results




Manual Integration Results

RT: 25.37
Area: 3391
Amount: 0.172558
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:50:21
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

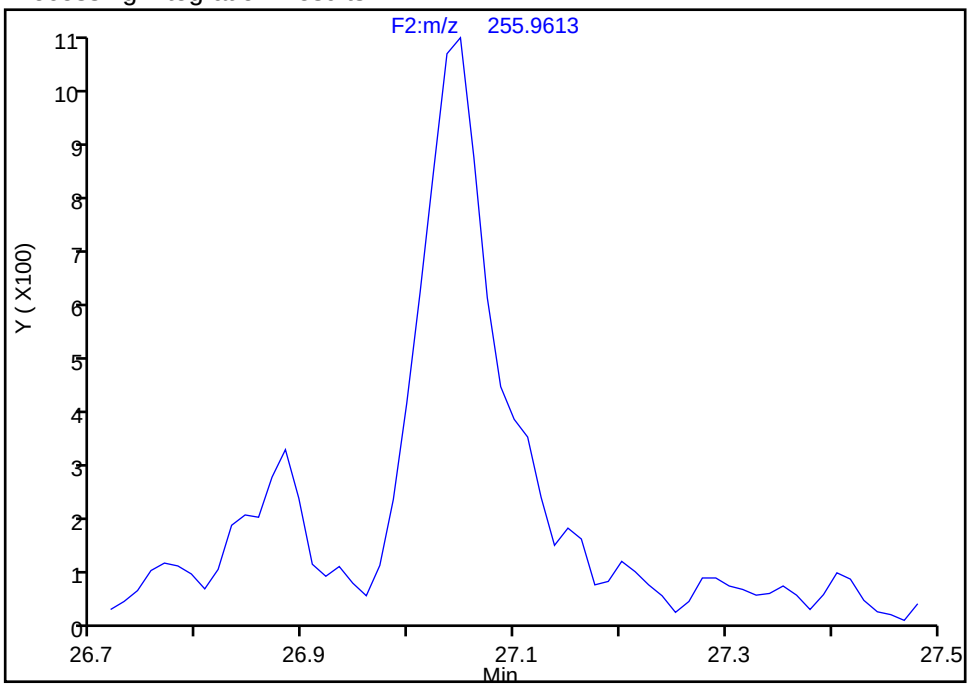
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-37, CAS: 38444-90-5

Signal: 1

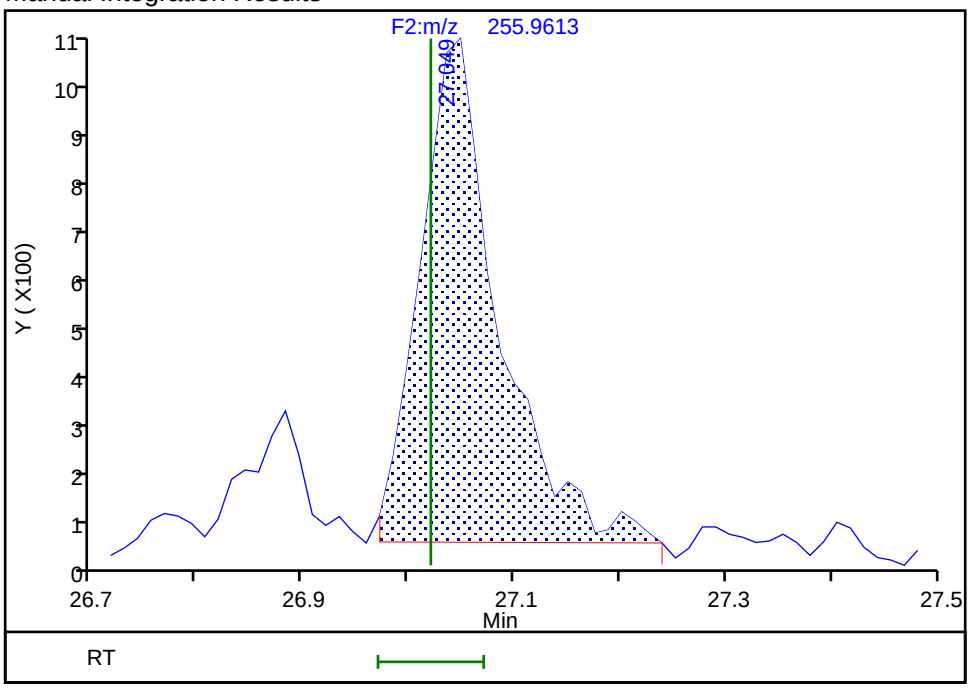
Not Detected
Expected RT: 27.02

Processing Integration Results




Manual Integration Results

RT: 27.05
Area: 5018
Amount: 0.238882
Amount Units: pg/ul



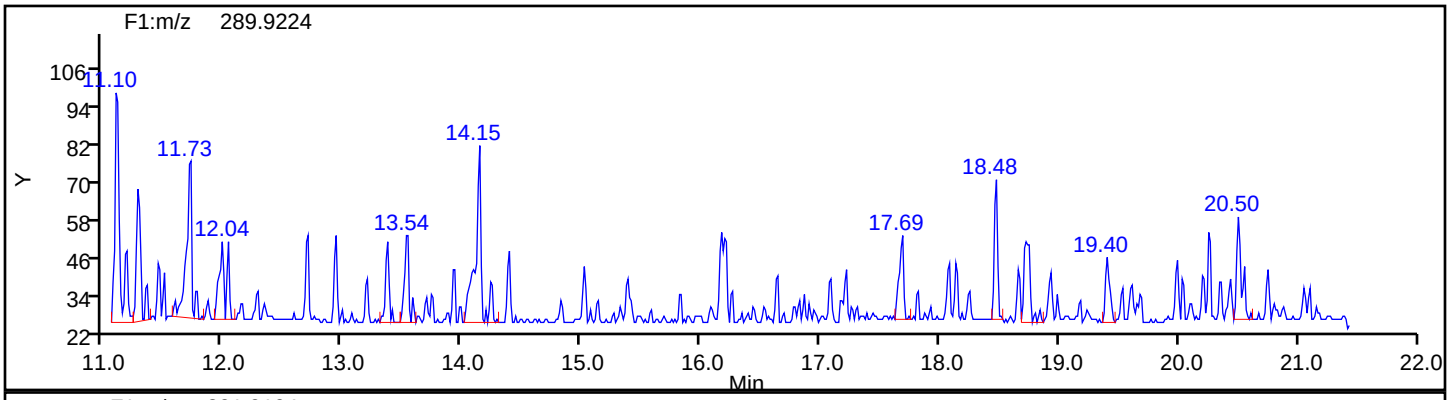

Reviewer: layk, 04-Oct-2019 09:50:38
Audit Action: Assigned Compound ID Audit Reason: Split Peak

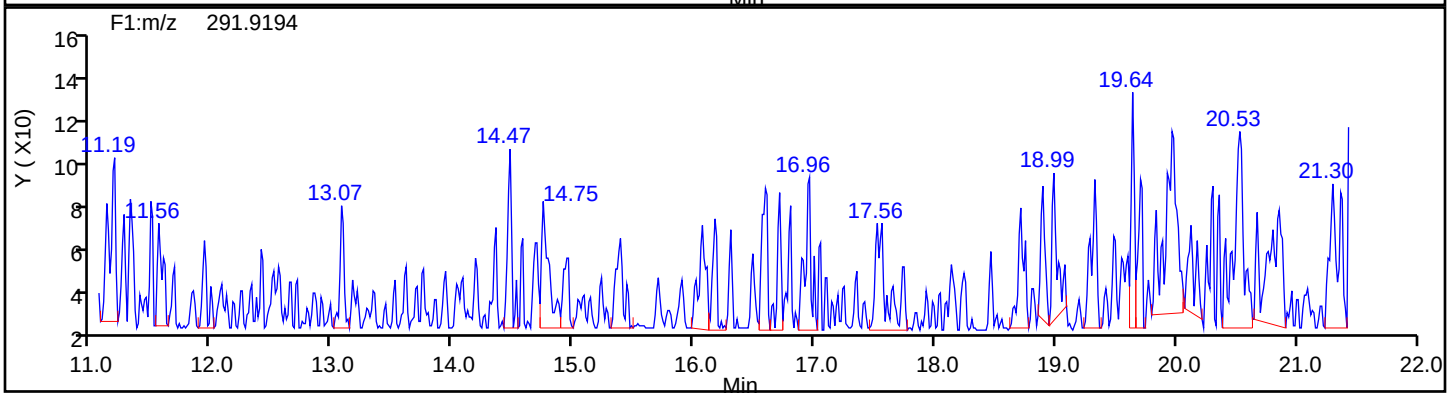
Report Date: 04-Oct-2019 14:09:04 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

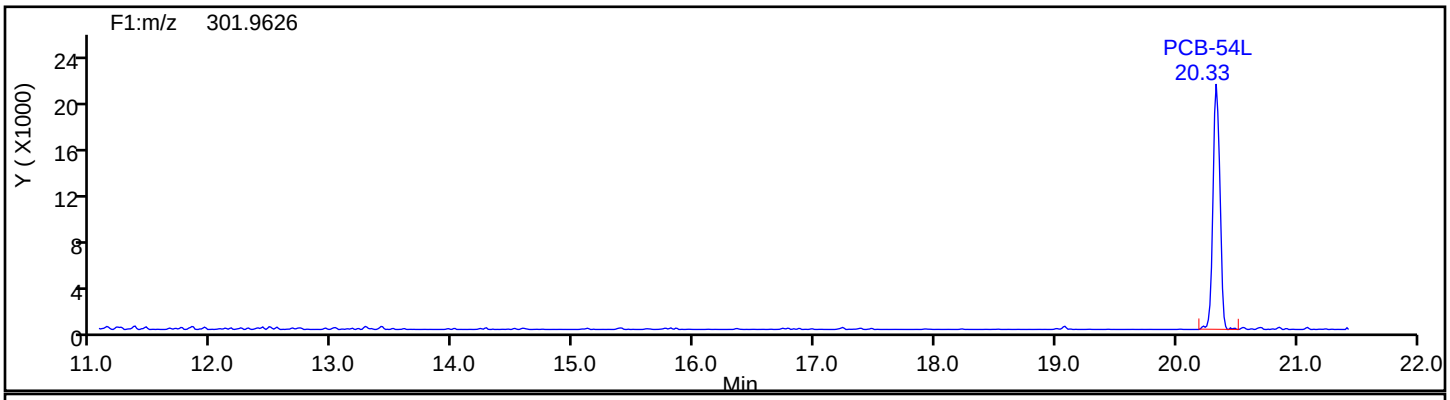
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

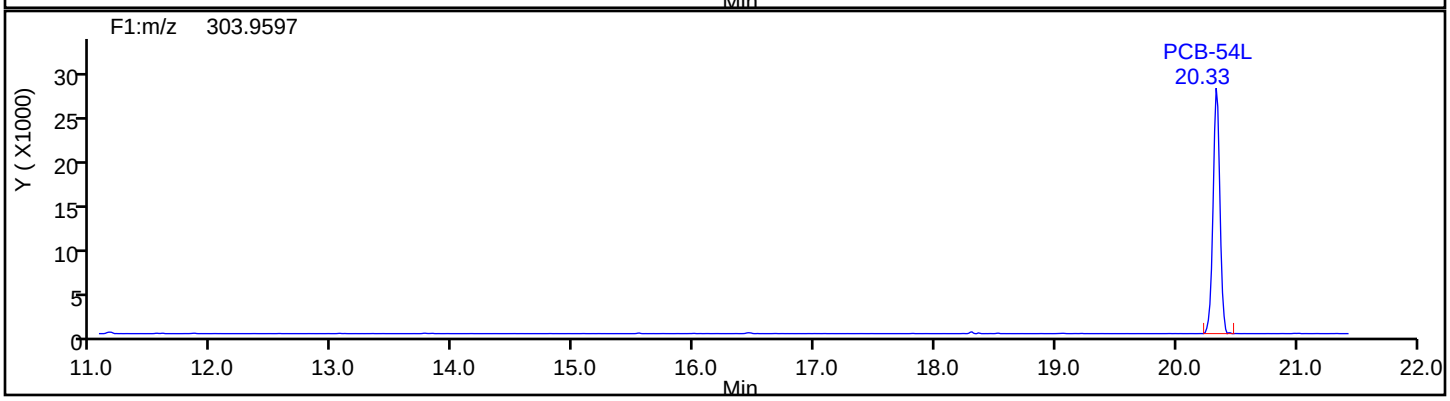
TePCB F1




TePCB F1 Standards

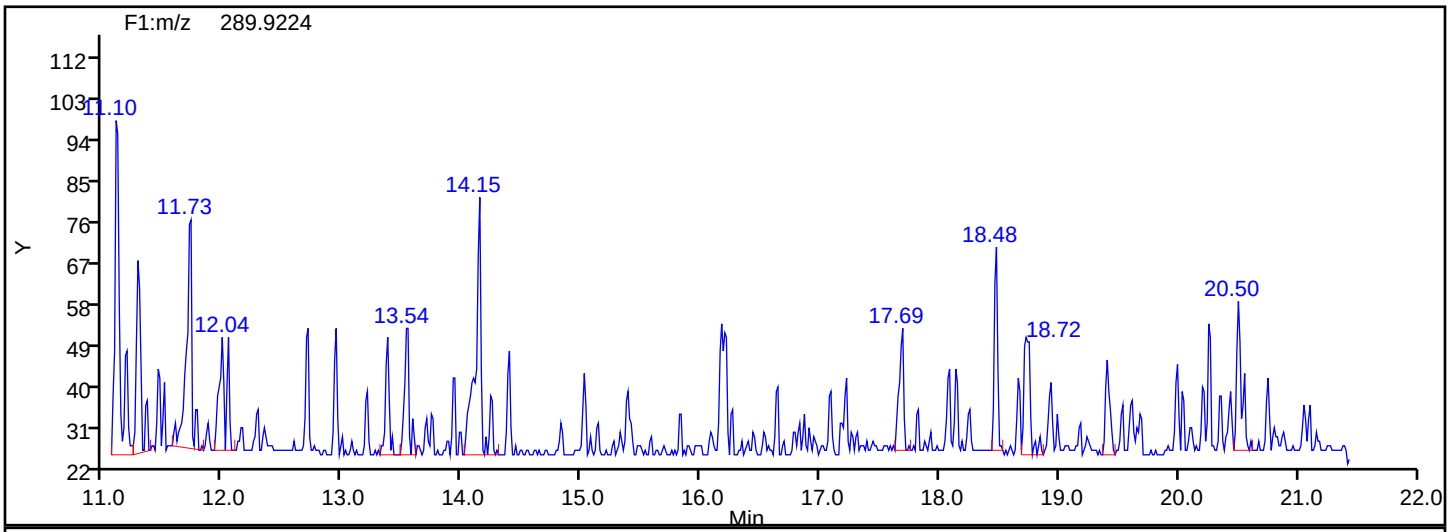


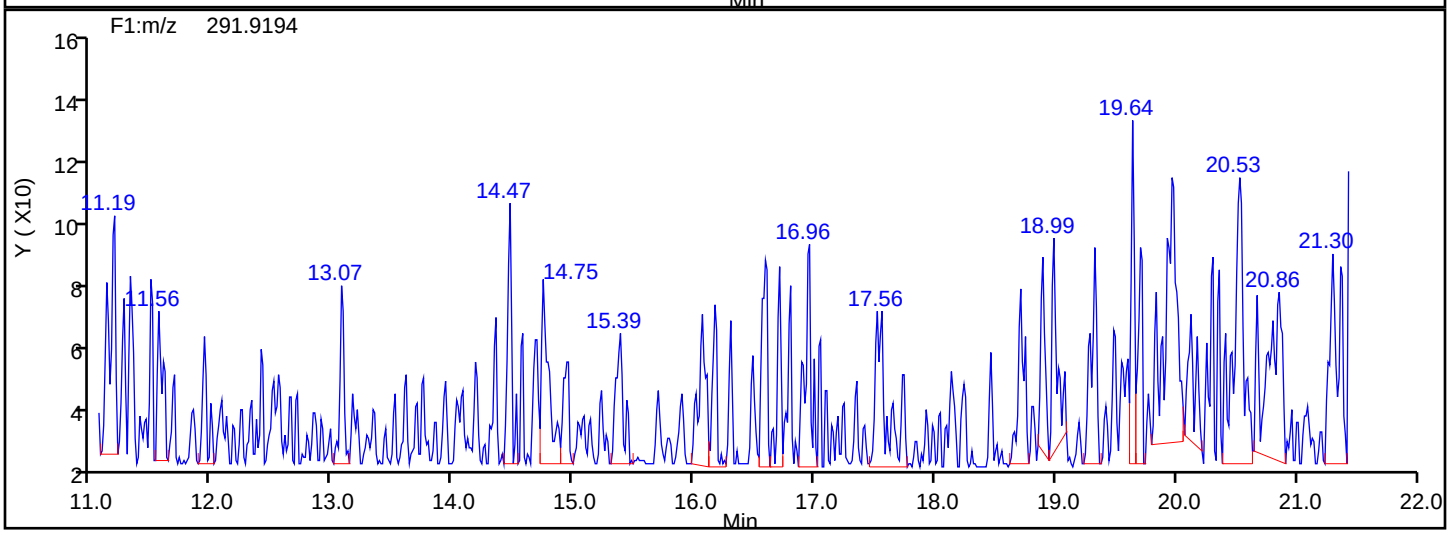



Eurofins TestAmerica, Knoxville

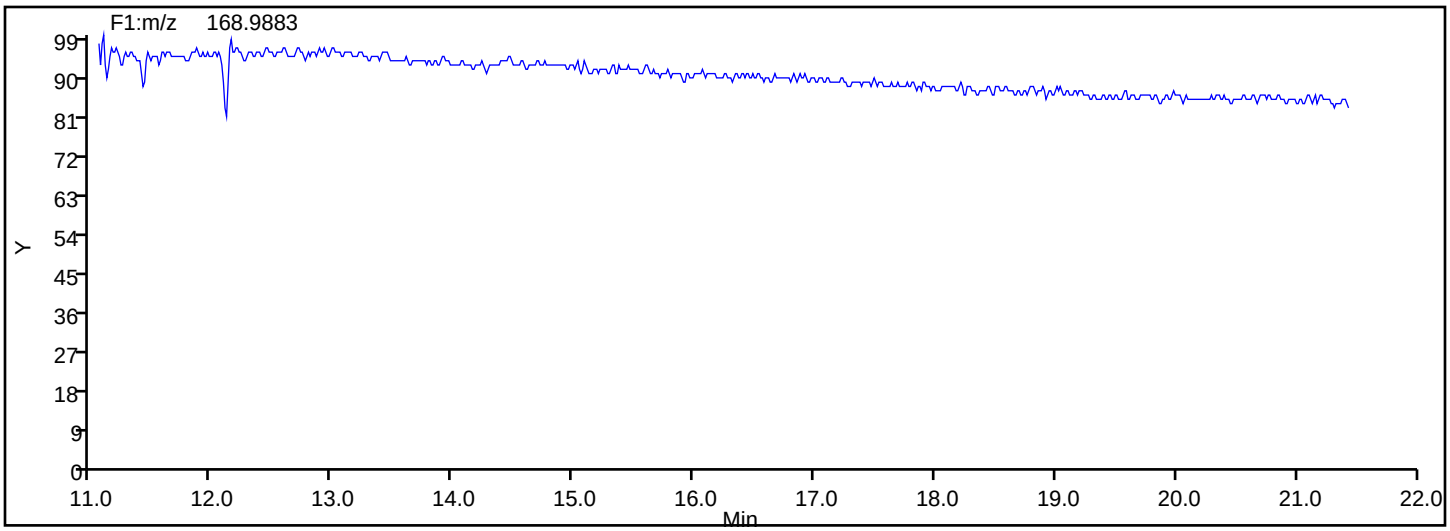
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



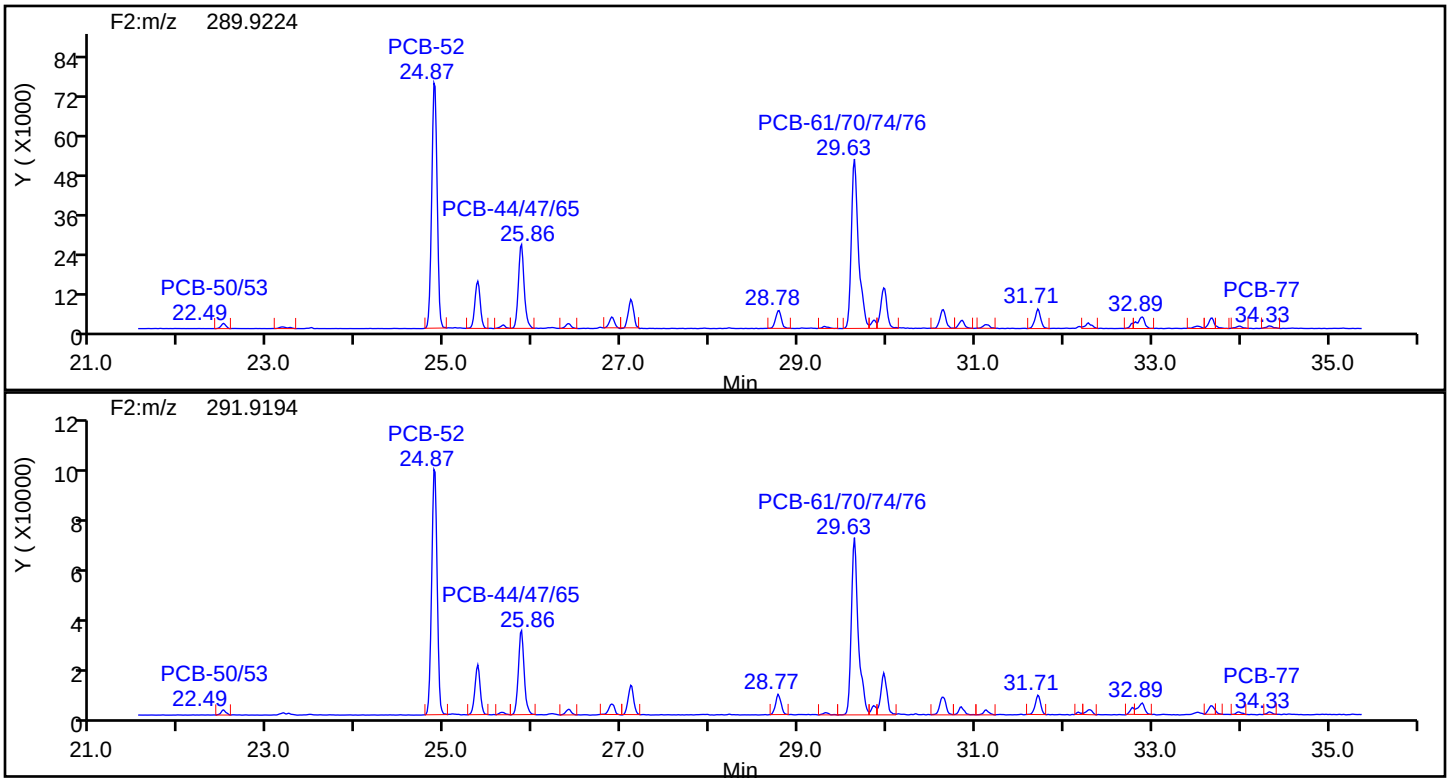

TePCB F1 Lock Mass



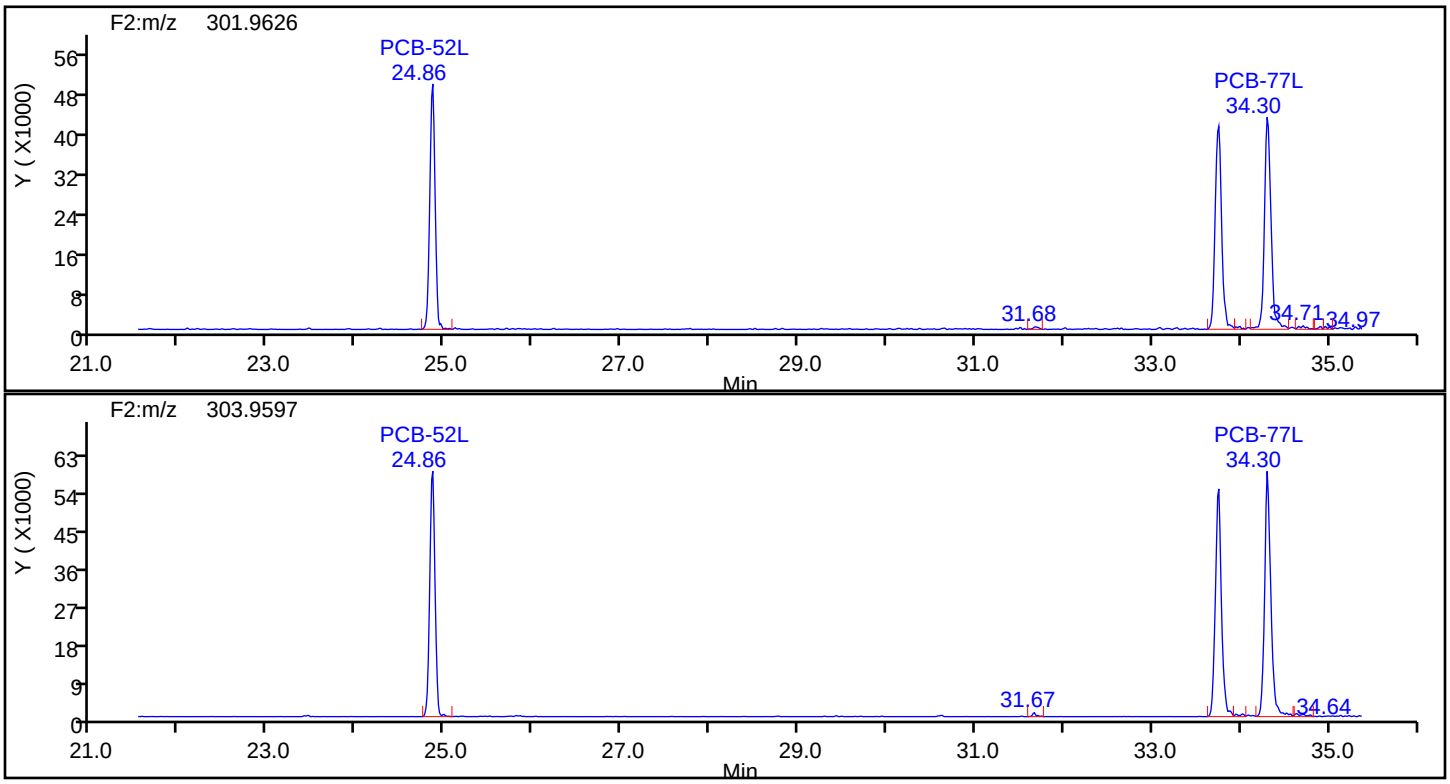
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



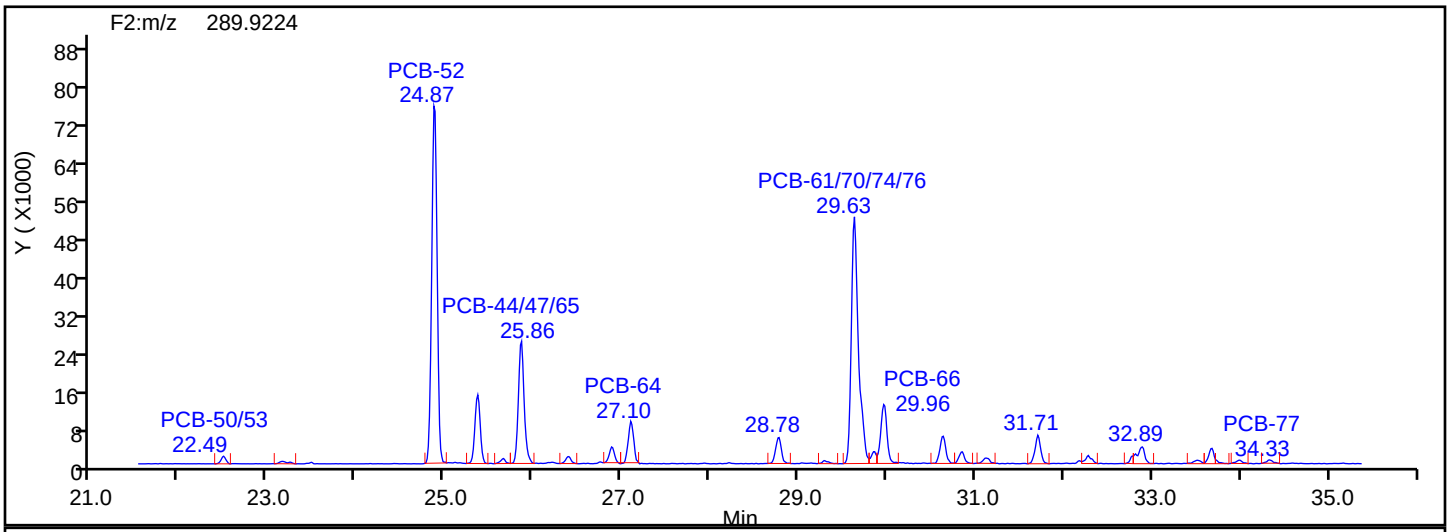

TePCB F2 Standards

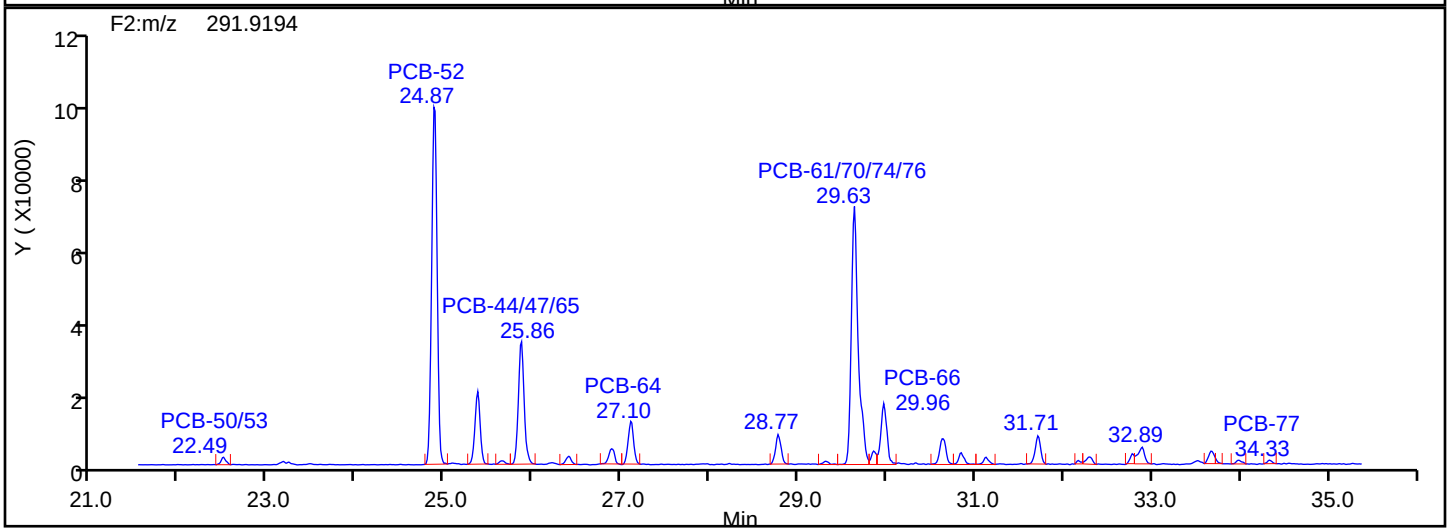


Eurofins TestAmerica, Knoxville

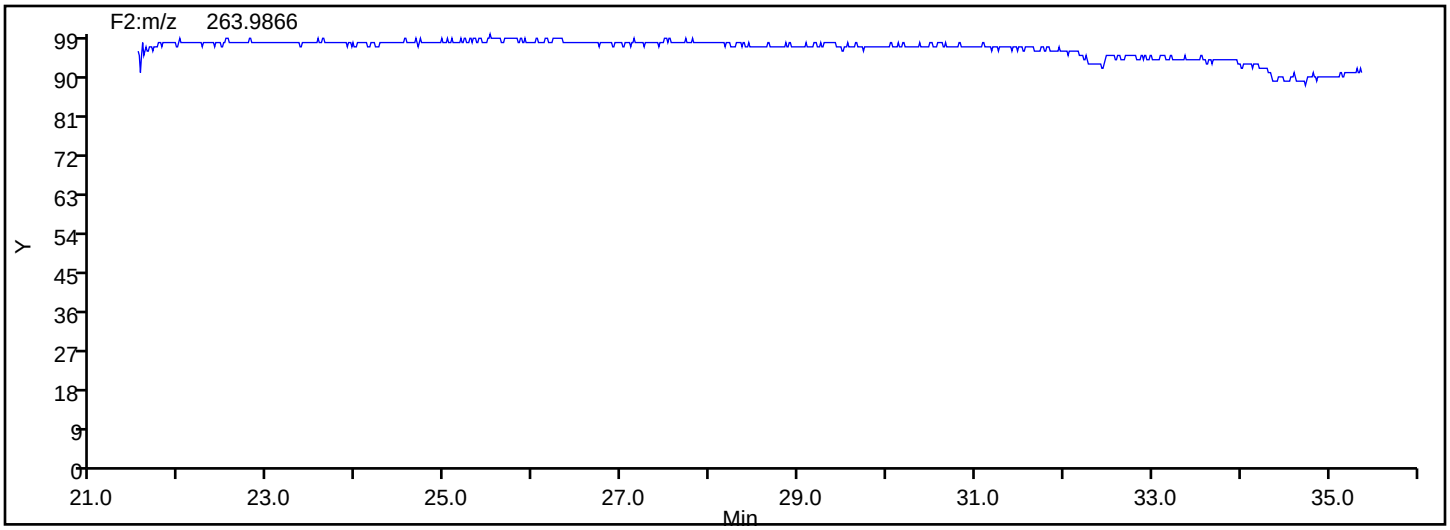
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

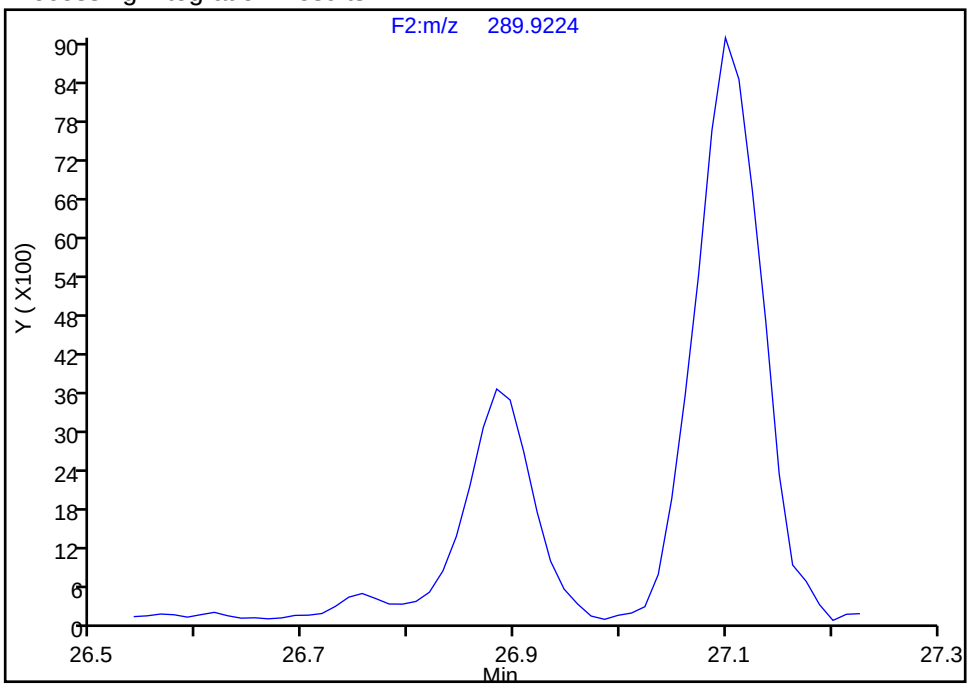
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

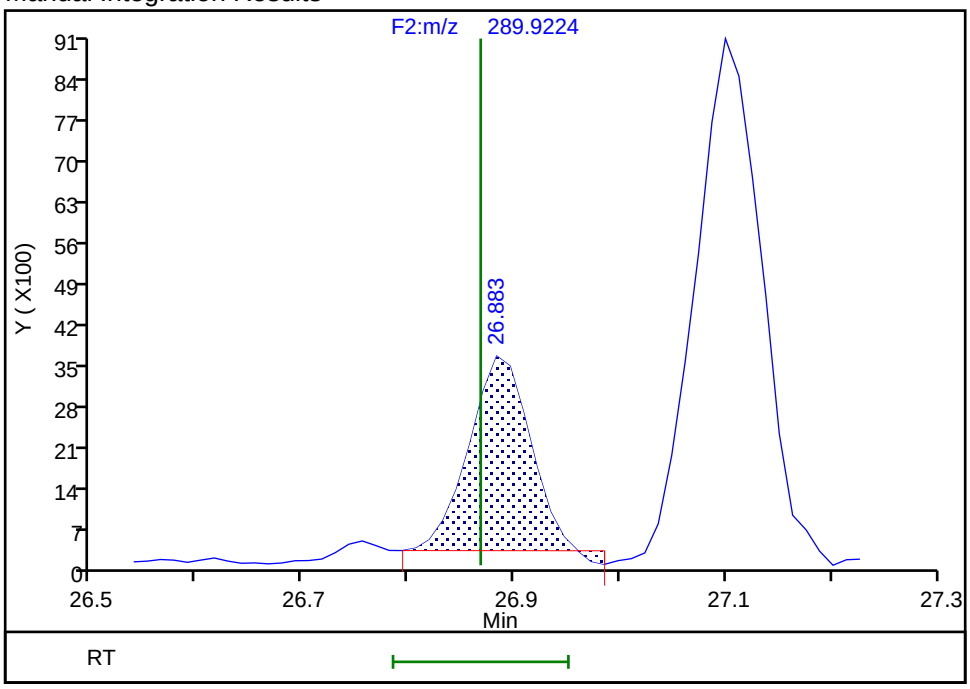
Not Detected
Expected RT: 26.87

Processing Integration Results




Manual Integration Results

RT: 26.88
Area: 13162
Amount: 1.390428
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:55:46
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

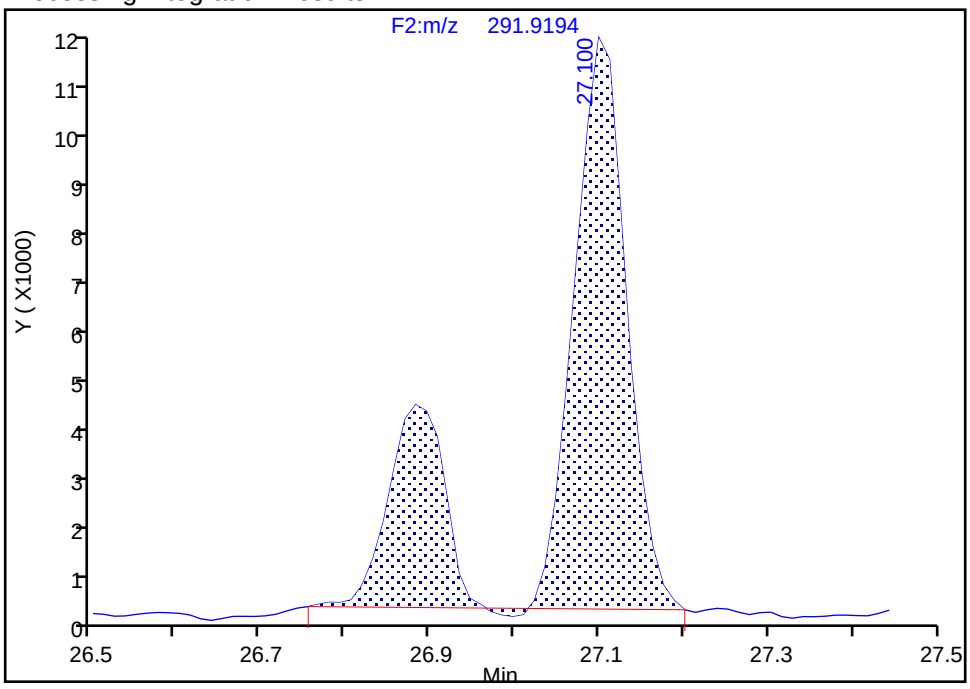
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 2

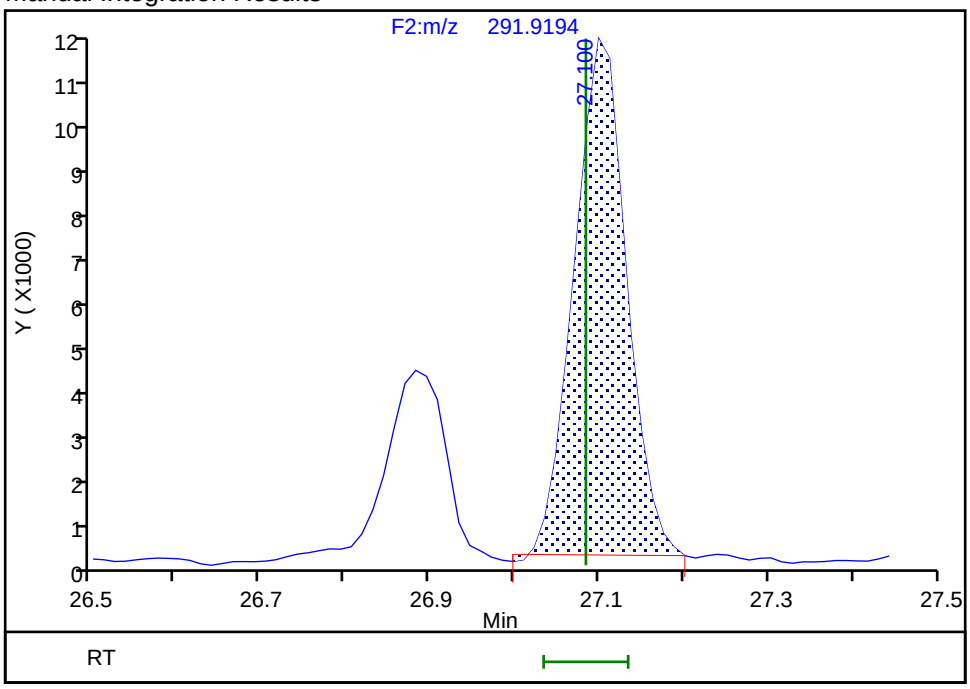
Processing Integration Results

RT: 27.10
Area: 66459
Amount: 3.341489
Amount Units: pg/ul




Manual Integration Results

RT: 27.10
Area: 48280
Amount: 2.440206
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:55:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

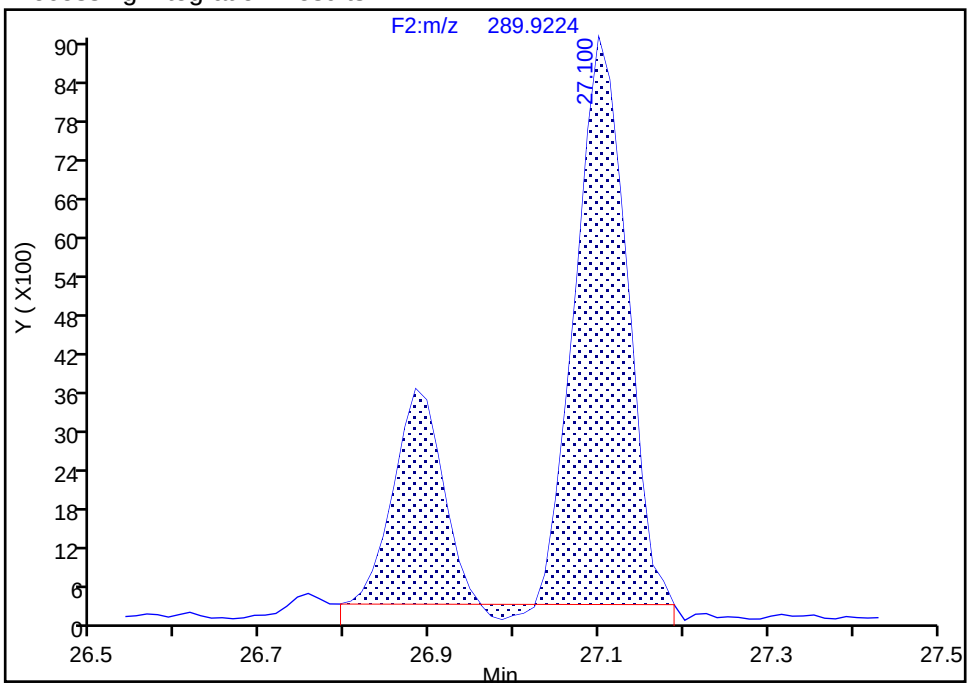
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

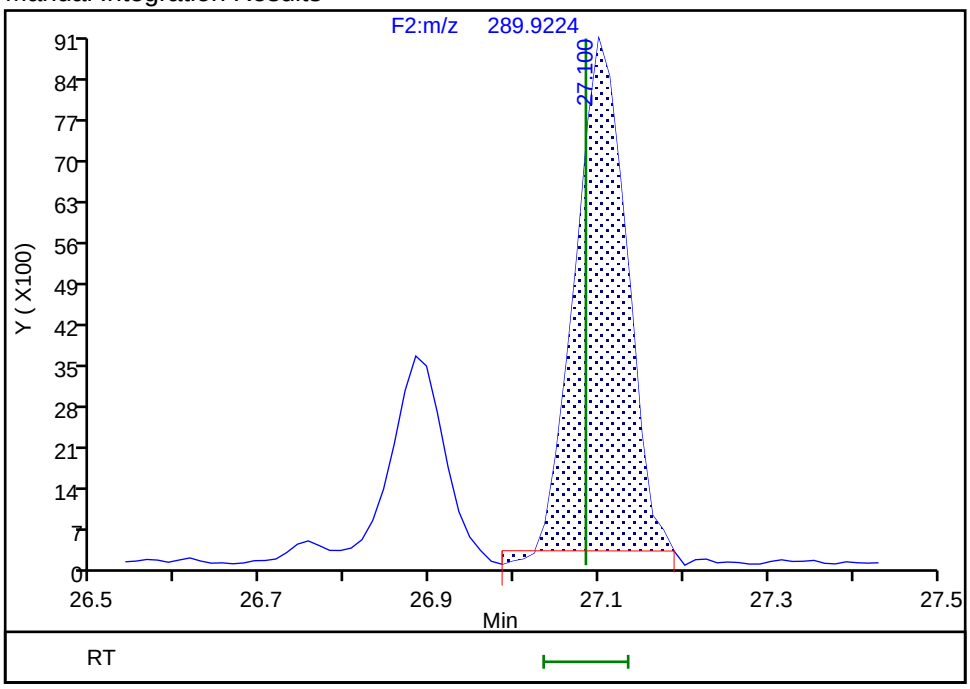
Processing Integration Results

RT: 27.10
Area: 49752
Amount: 3.341489
Amount Units: pg/ul




Manual Integration Results

RT: 27.10
Area: 36586
Amount: 2.440206
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:55:40

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

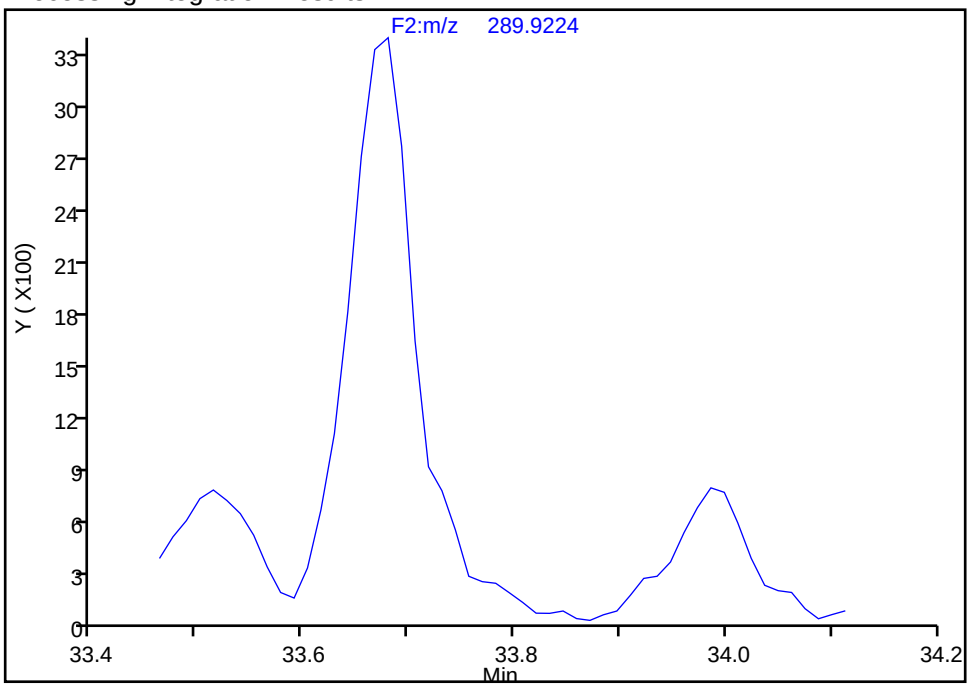
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

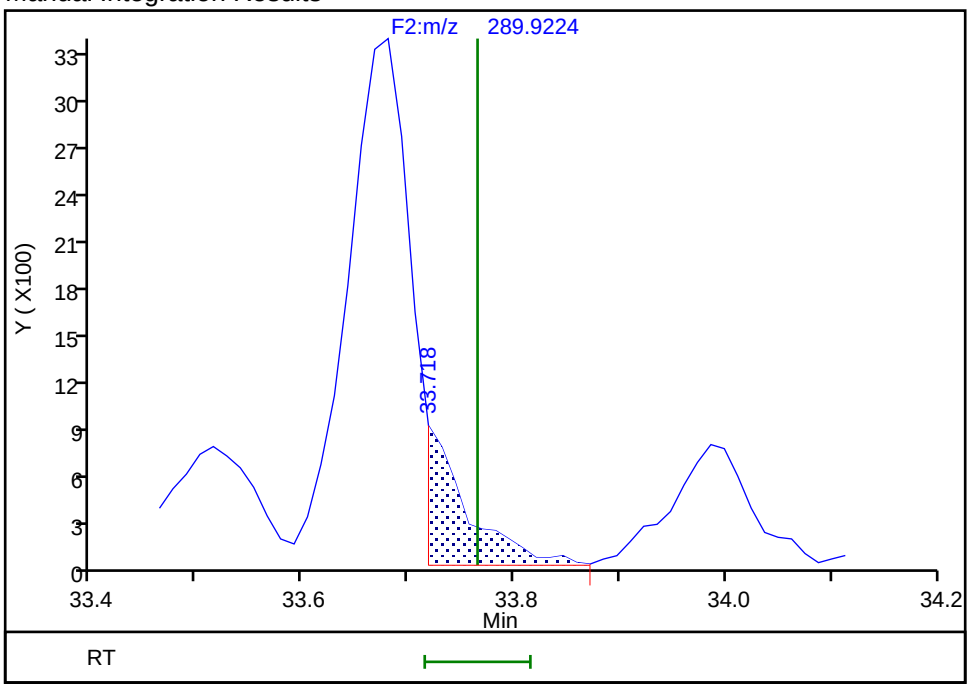
Not Detected
Expected RT: 33.76

Processing Integration Results




Manual Integration Results

RT: 33.72
Area: 2133
Amount: 0.132545
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:58:09
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

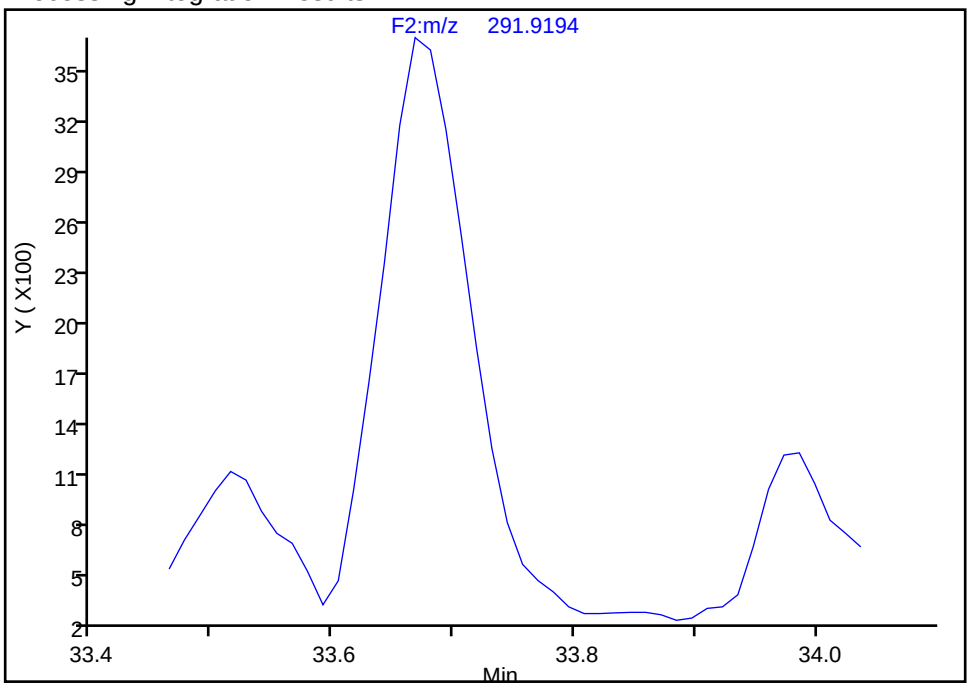
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

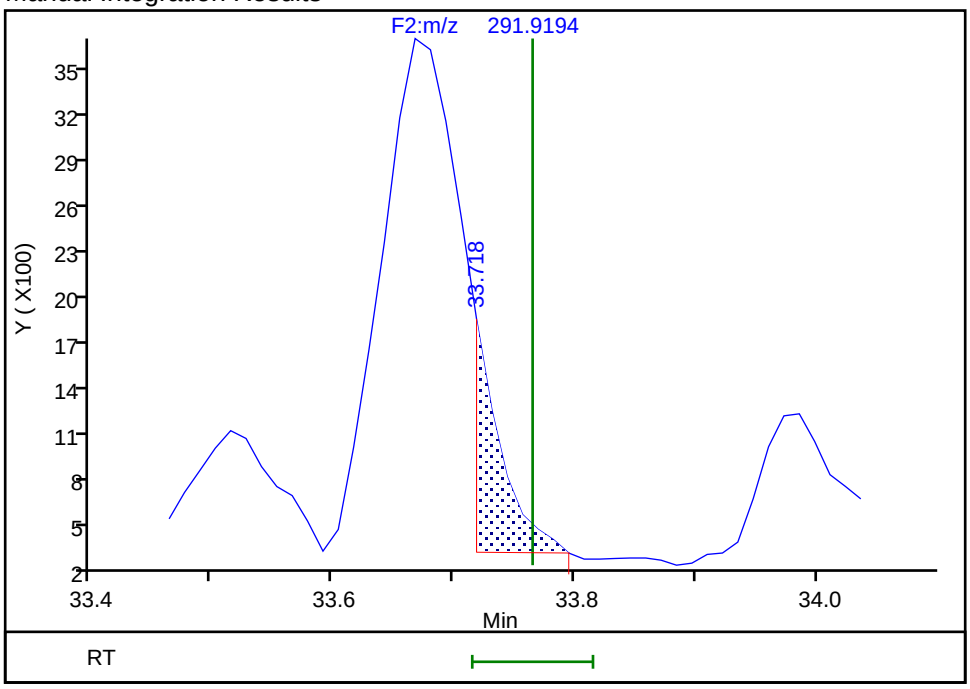
Not Detected
Expected RT: 33.76

Processing Integration Results




Manual Integration Results

RT: 33.72
Area: 2003
Amount: 0.132545
Amount Units: pg/ul

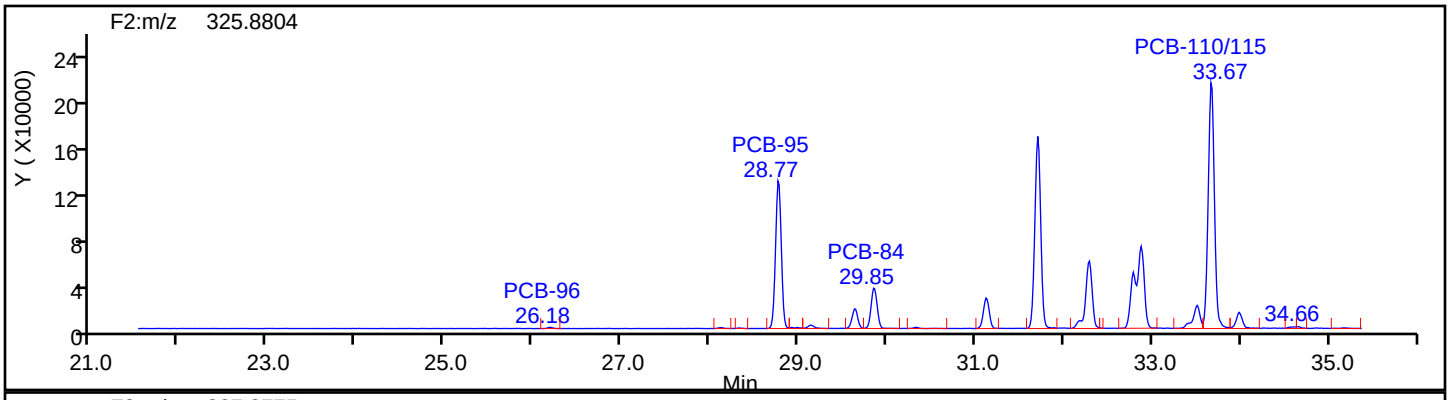


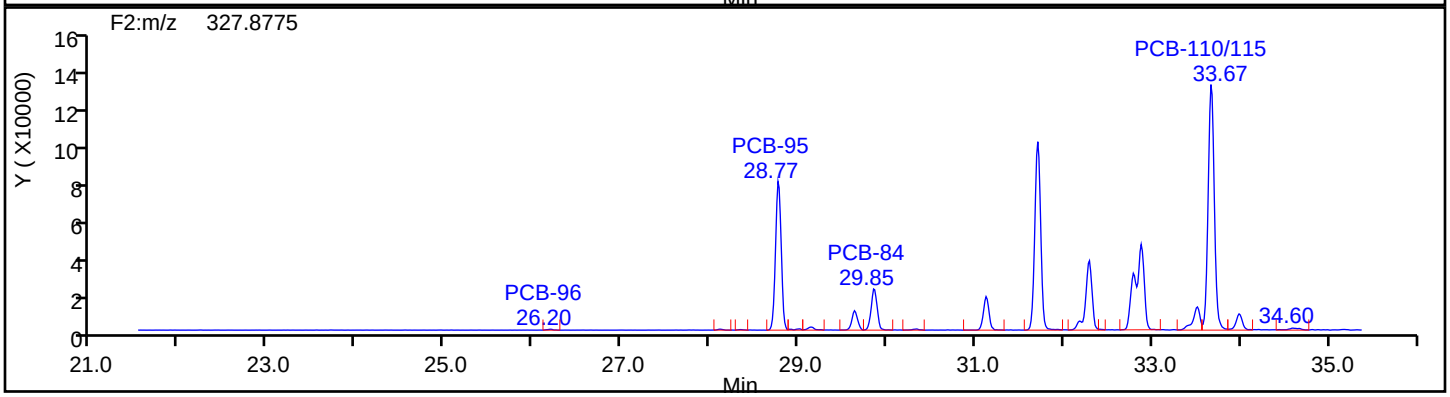

Reviewer: layk, 04-Oct-2019 09:58:14
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

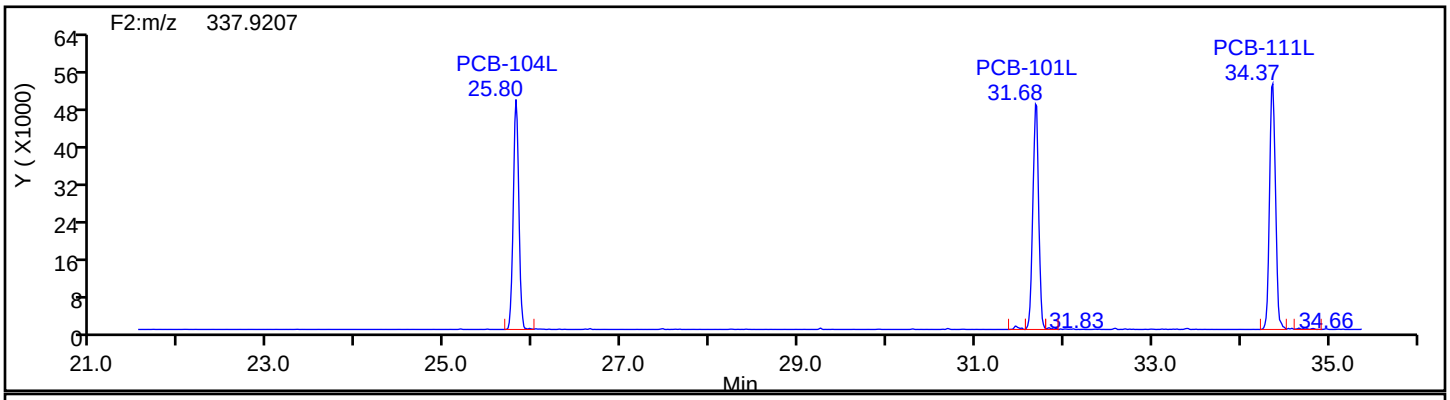
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

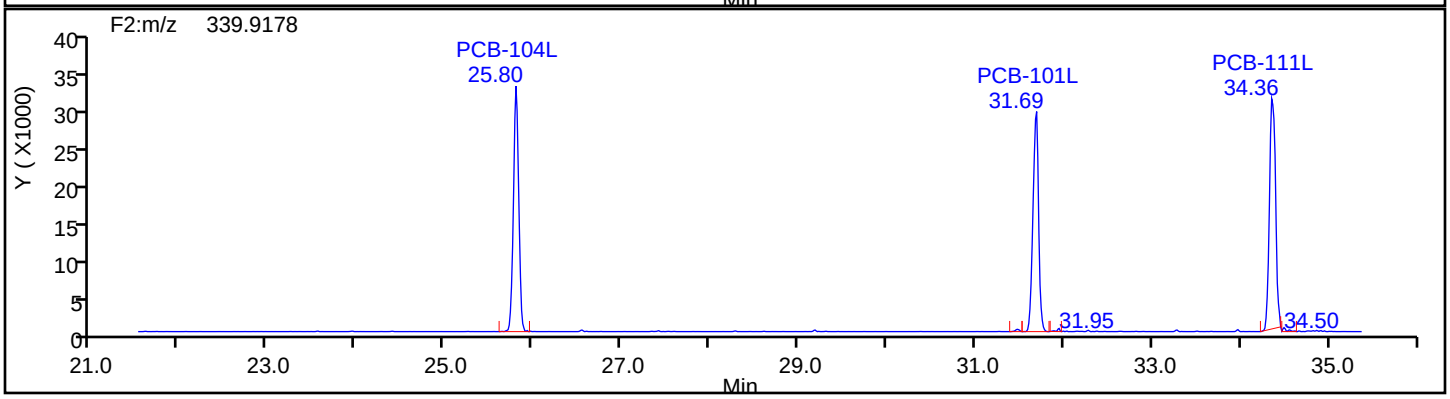
PePCB F2




PePCB F2 Standards

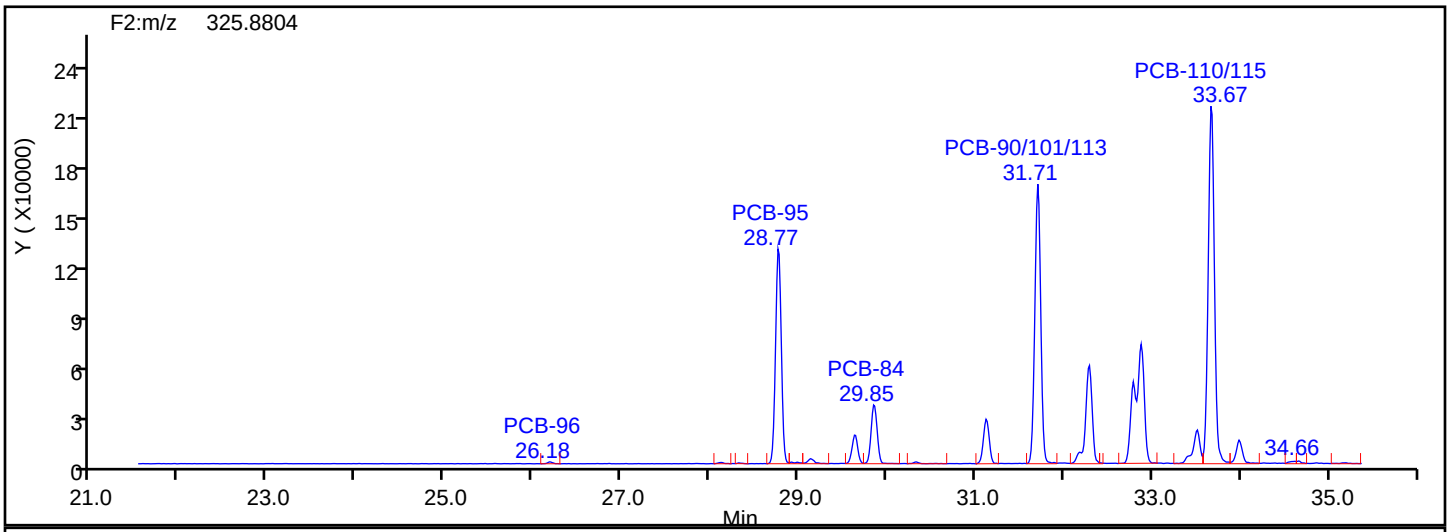


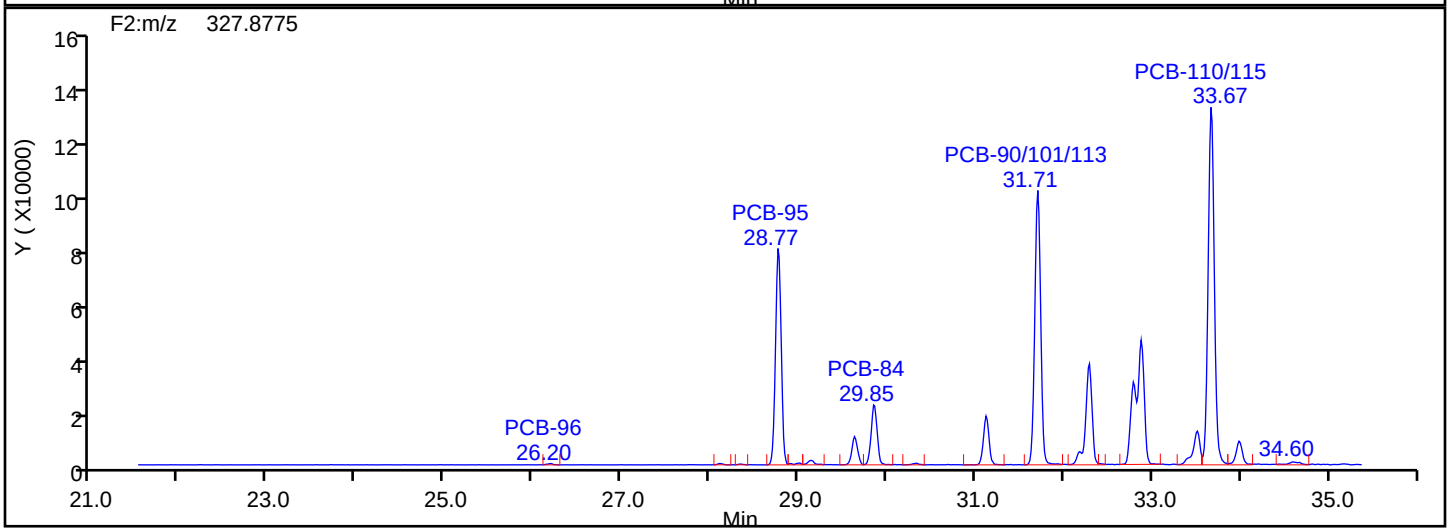



Eurofins TestAmerica, Knoxville

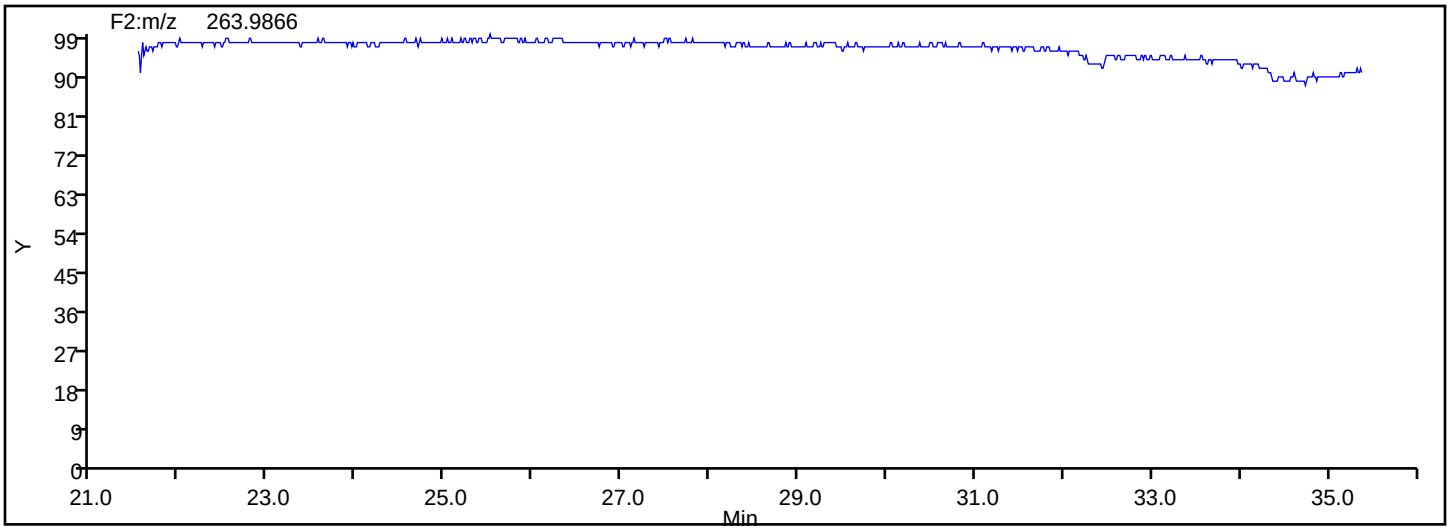
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

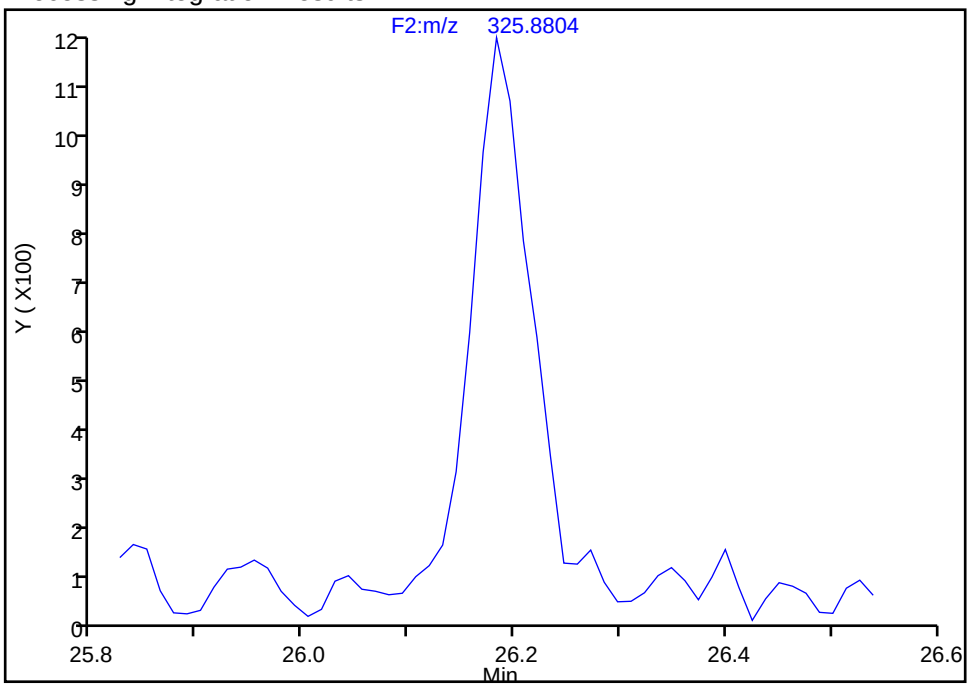
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-96, CAS: 73575-54-9

Signal: 1

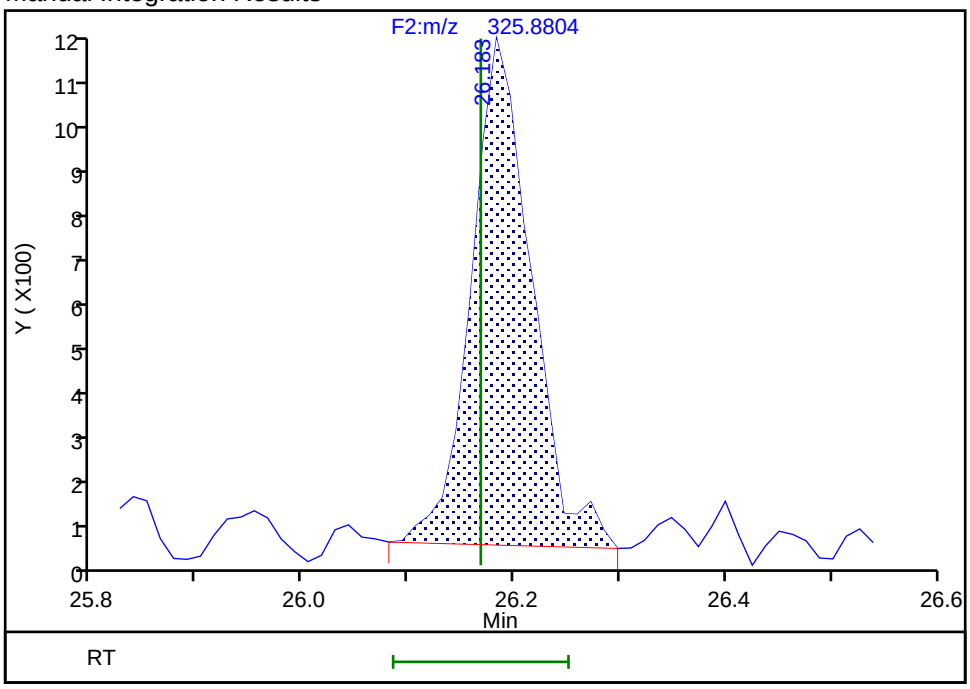
Not Detected
Expected RT: 26.17

Processing Integration Results




Manual Integration Results

RT: 26.18
Area: 4416
Amount: 0.306977
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:58:45
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

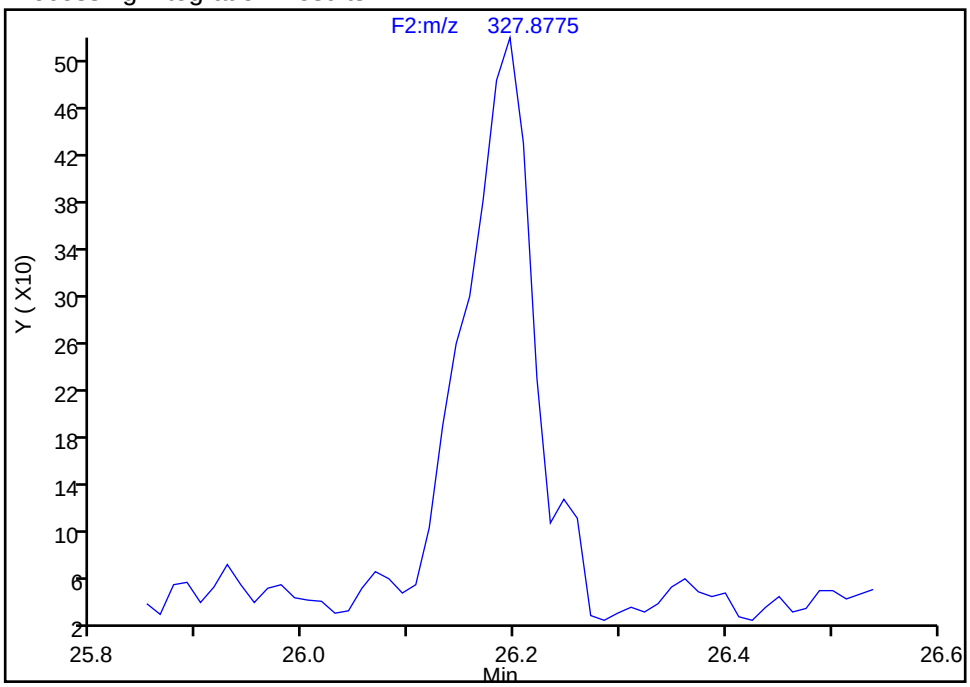
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-96, CAS: 73575-54-9

Signal: 2

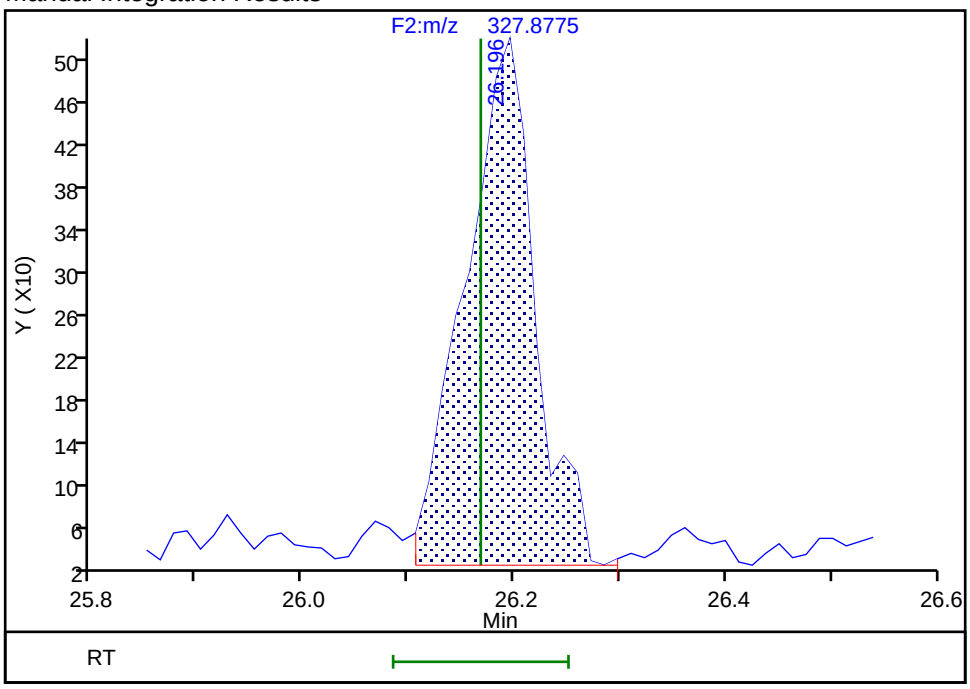
Processing Integration Results

Not Detected
Expected RT: 26.17




Manual Integration Results

RT: 26.20
Area: 2251
Amount: 0.306977
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 09:59:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

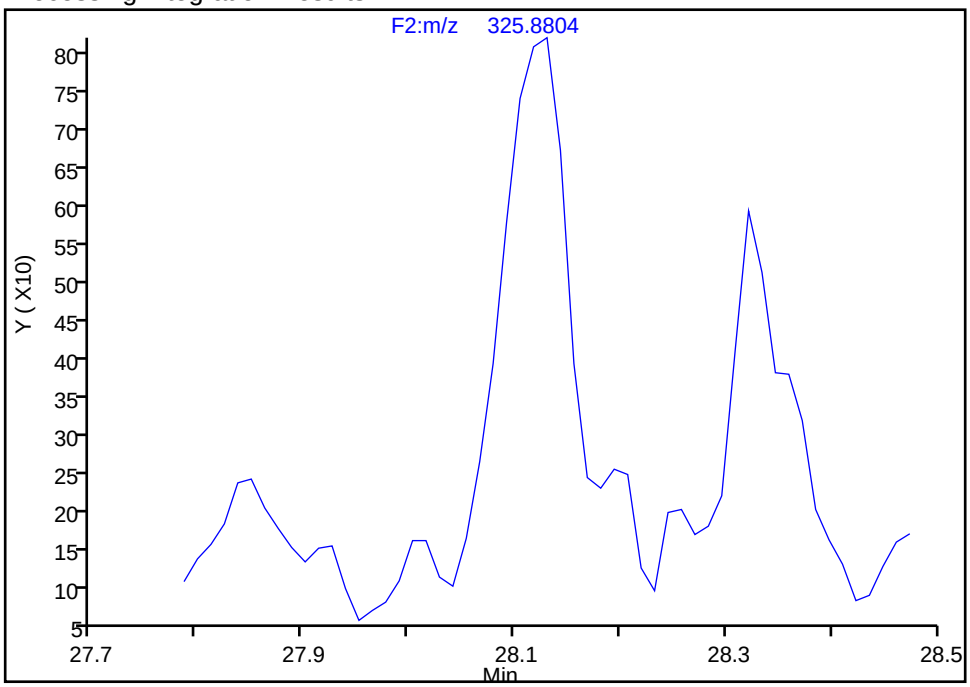
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-103, CAS: 60145-21-3

Signal: 1

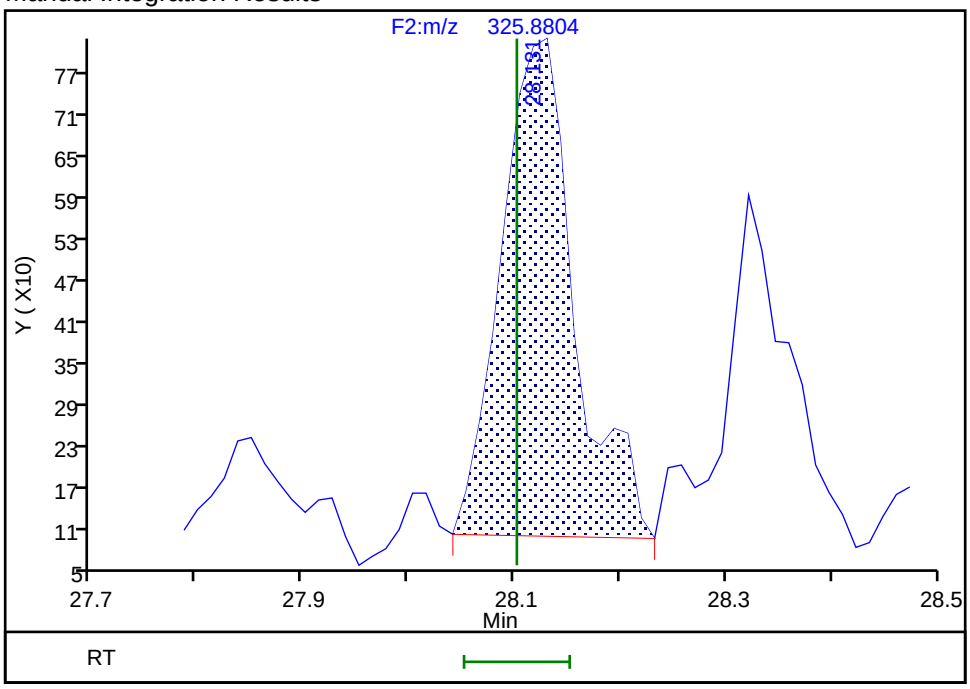
Not Detected
Expected RT: 28.10

Processing Integration Results




Manual Integration Results

RT: 28.13
Area: 3499
Amount: 0.291162
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:00:21
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

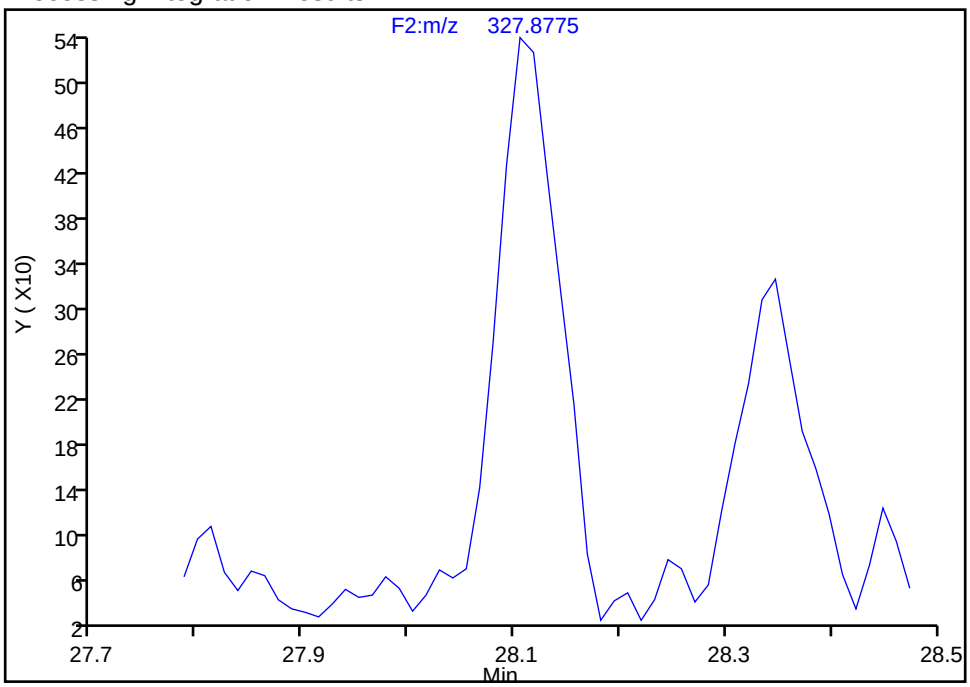
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-103, CAS: 60145-21-3

Signal: 2

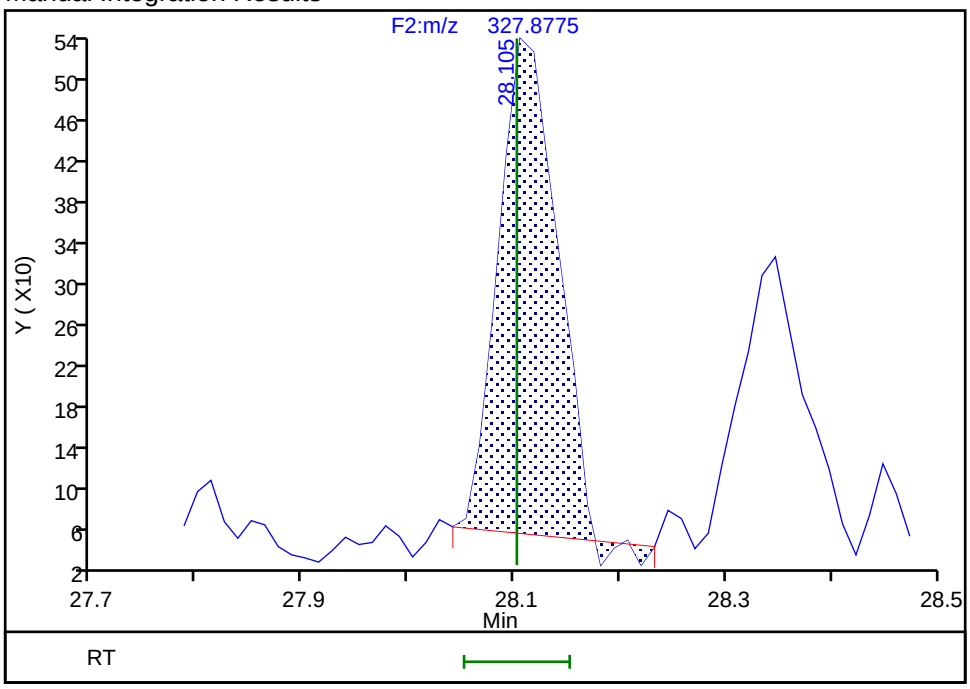
Not Detected
Expected RT: 28.10

Processing Integration Results




Manual Integration Results

RT: 28.11
Area: 1826
Amount: 0.291162
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:00:32
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

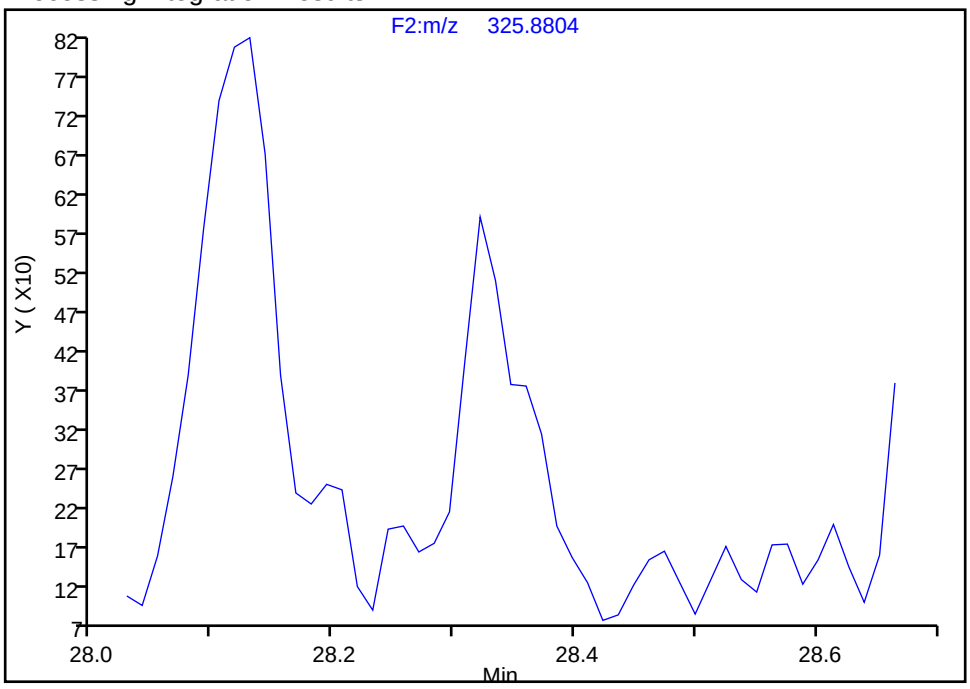
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 1

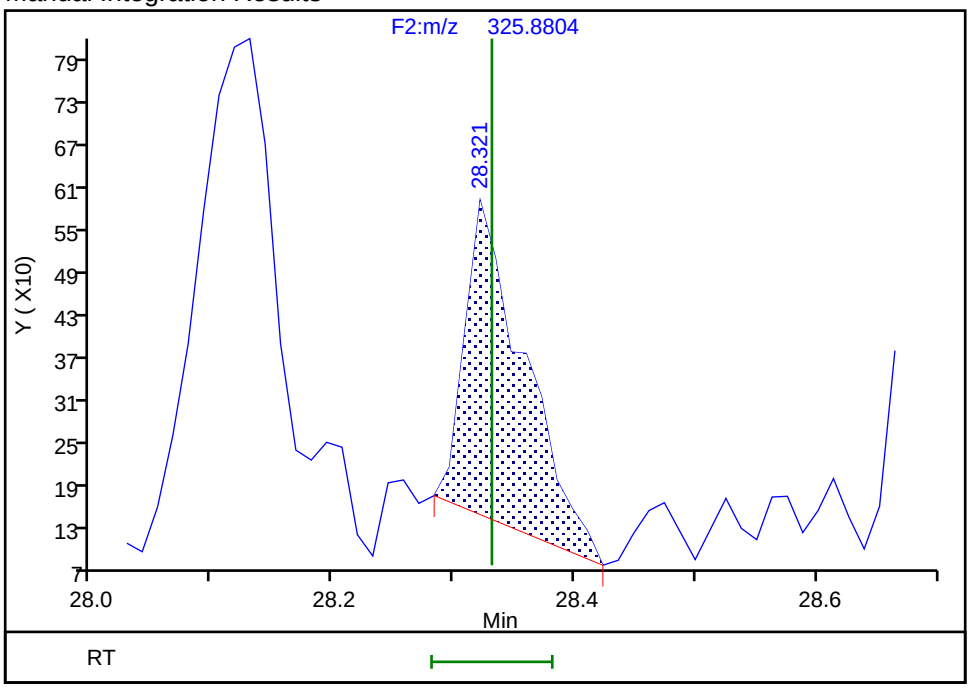
Not Detected
Expected RT: 28.33

Processing Integration Results




Manual Integration Results

RT: 28.32
Area: 1527
Amount: 0.166531
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:00:46
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

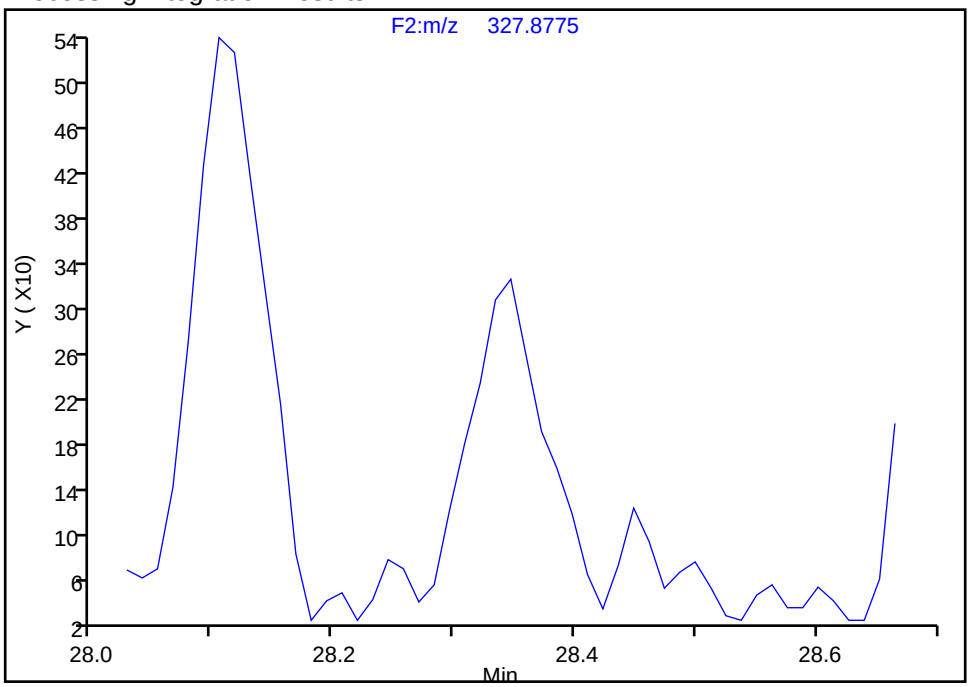
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 2

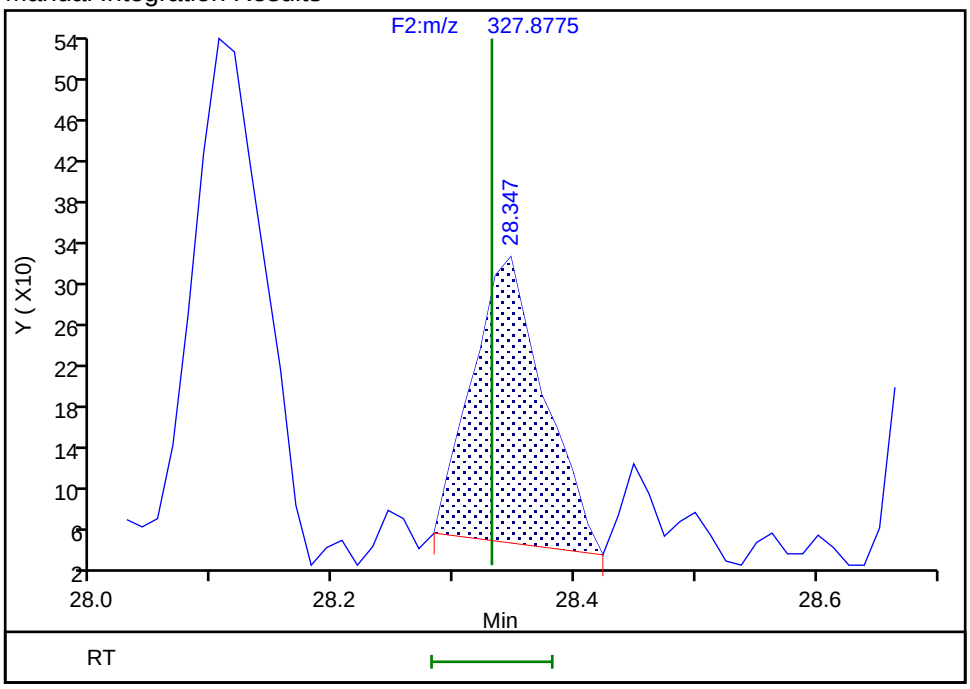
Not Detected
Expected RT: 28.33

Processing Integration Results




Manual Integration Results

RT: 28.35
Area: 1137
Amount: 0.166531
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:00:50
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

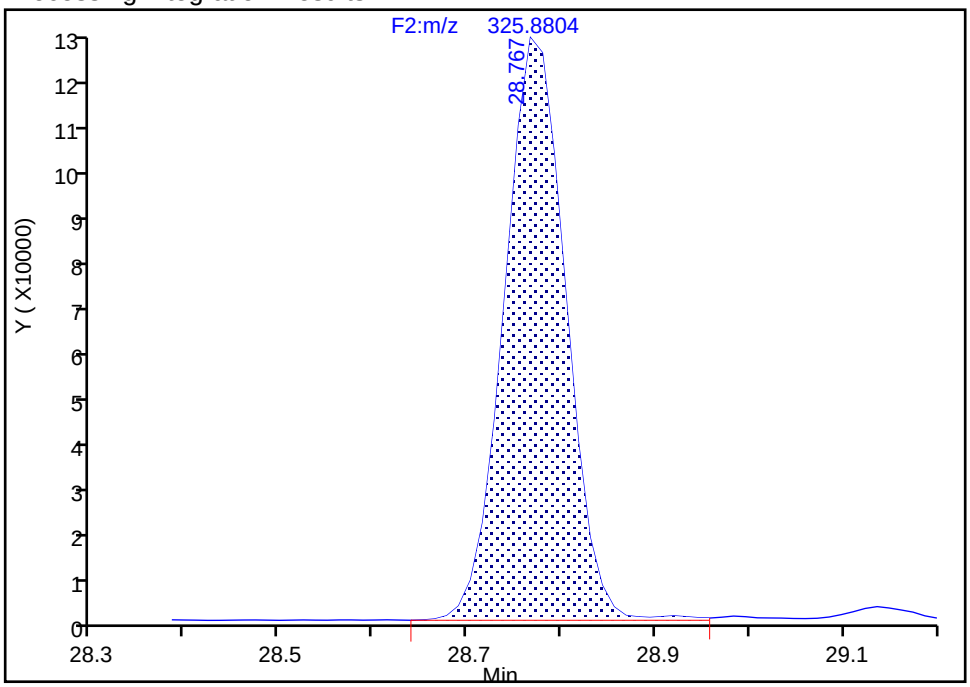
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-95, CAS: 38379-99-6

Signal: 1

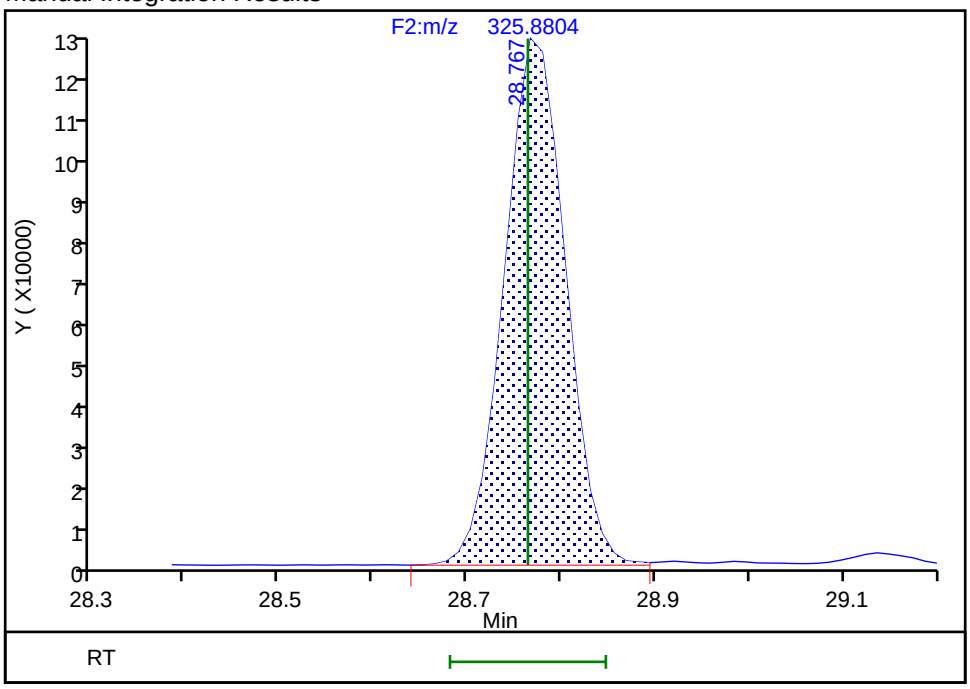
Processing Integration Results

RT: 28.77
Area: 572523
Amount: 54.645508
Amount Units: pg/ul




Manual Integration Results

RT: 28.77
Area: 569803
Amount: 54.402250
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:01:10

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

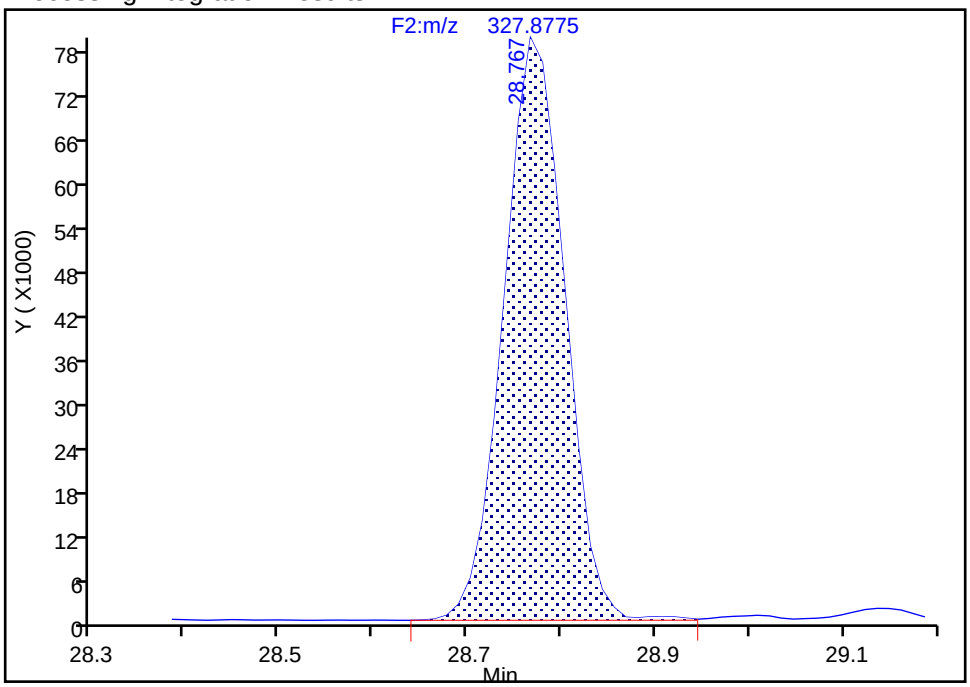
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-95, CAS: 38379-99-6

Signal: 2

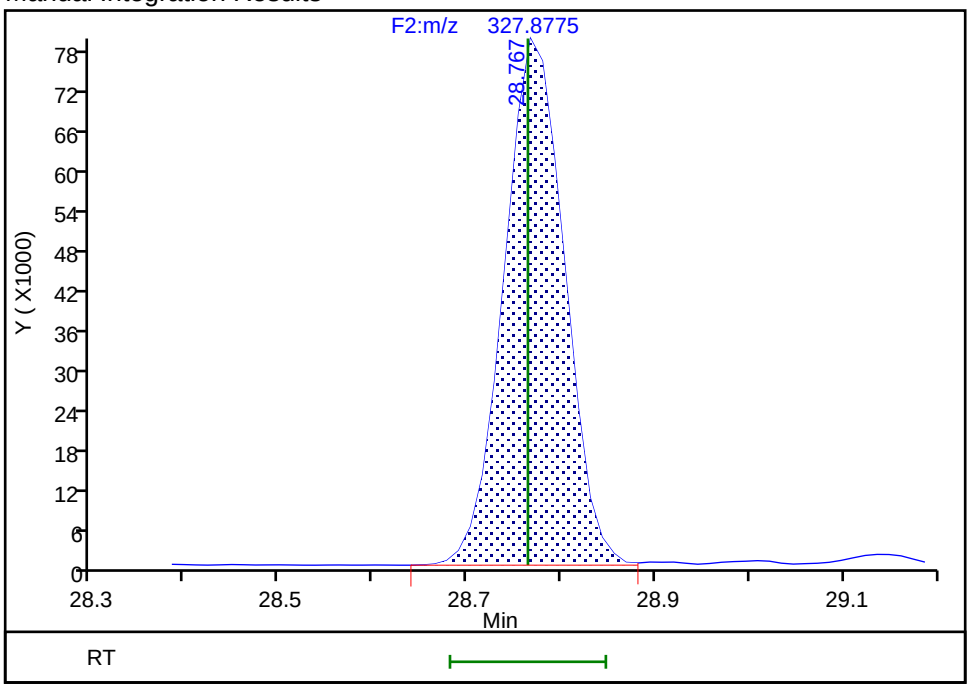
Processing Integration Results

RT: 28.77
Area: 358159
Amount: 54.645508
Amount Units: pg/ul




Manual Integration Results

RT: 28.77
Area: 356736
Amount: 54.402250
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:01:13
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

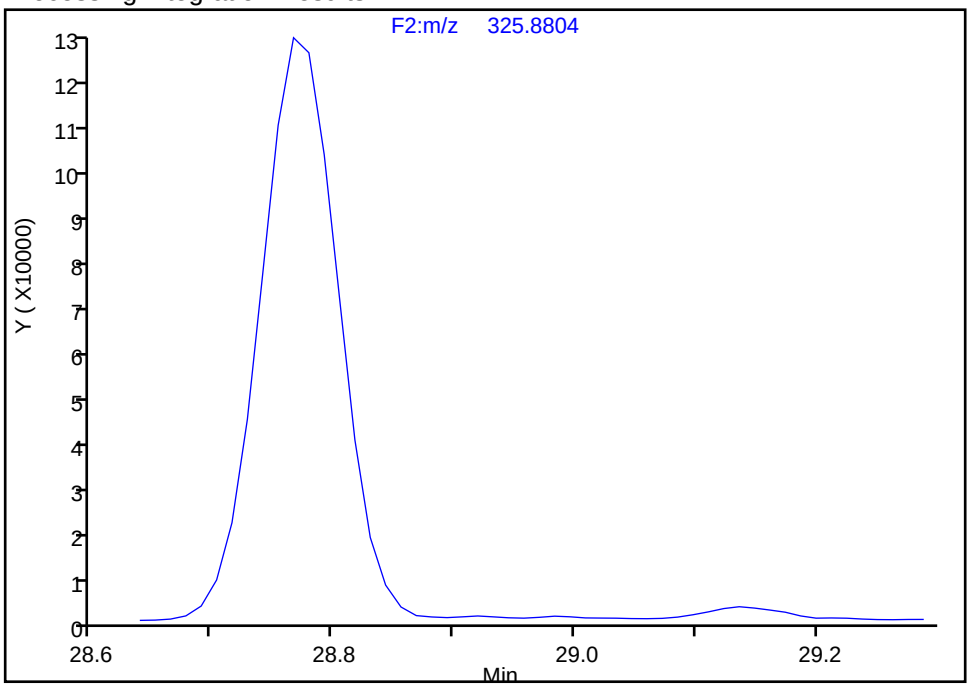
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-93/100, CAS: STL01814

Signal: 1

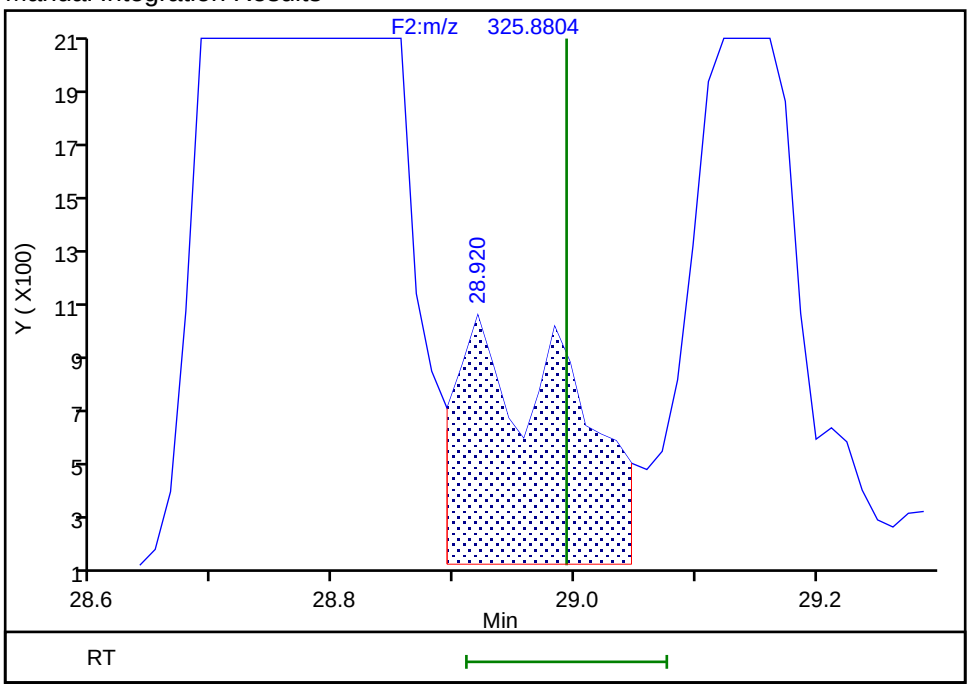
Not Detected
Expected RT: 28.99

Processing Integration Results




Manual Integration Results

RT: 28.92
Area: 5941
Amount: 0.580283
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:01:58
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

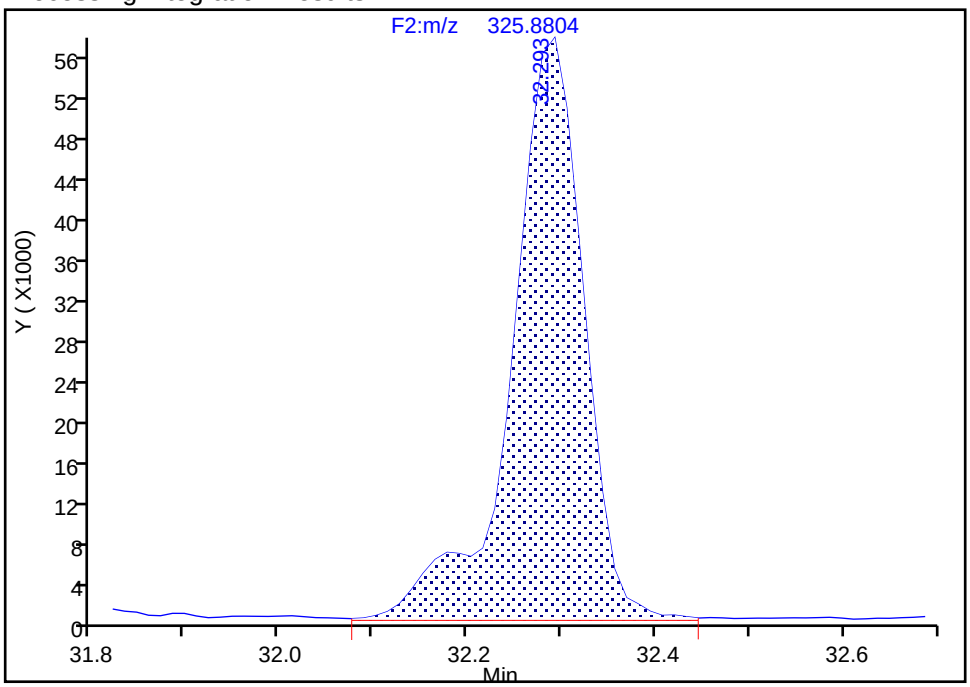
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

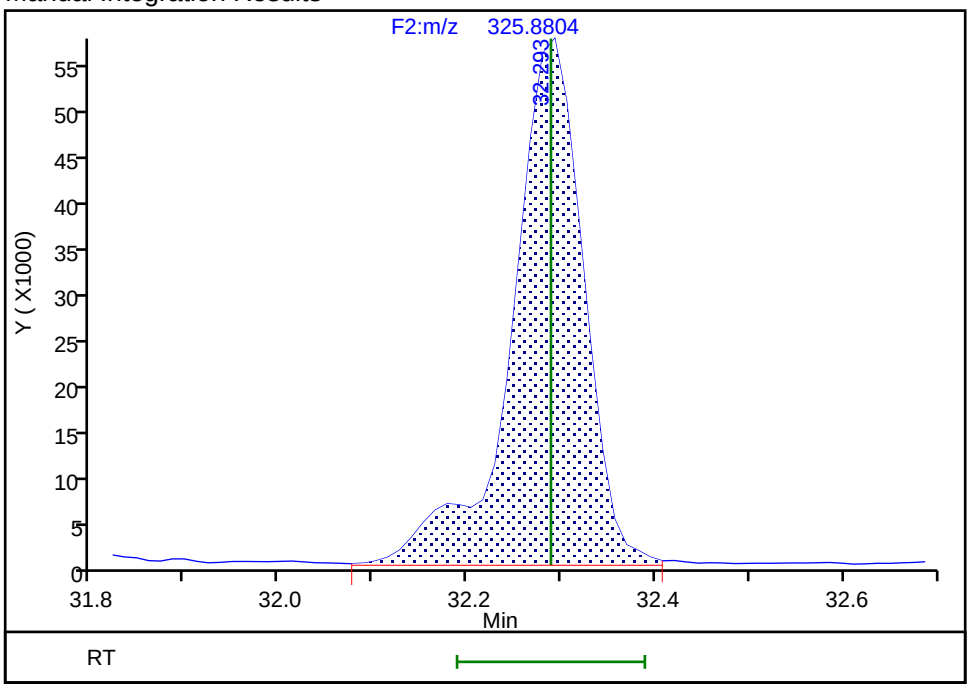
Processing Integration Results

RT: 32.29
Area: 308615
Amount: 30.300645
Amount Units: pg/ul




Manual Integration Results

RT: 32.29
Area: 307668
Amount: 30.147178
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:02:51

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

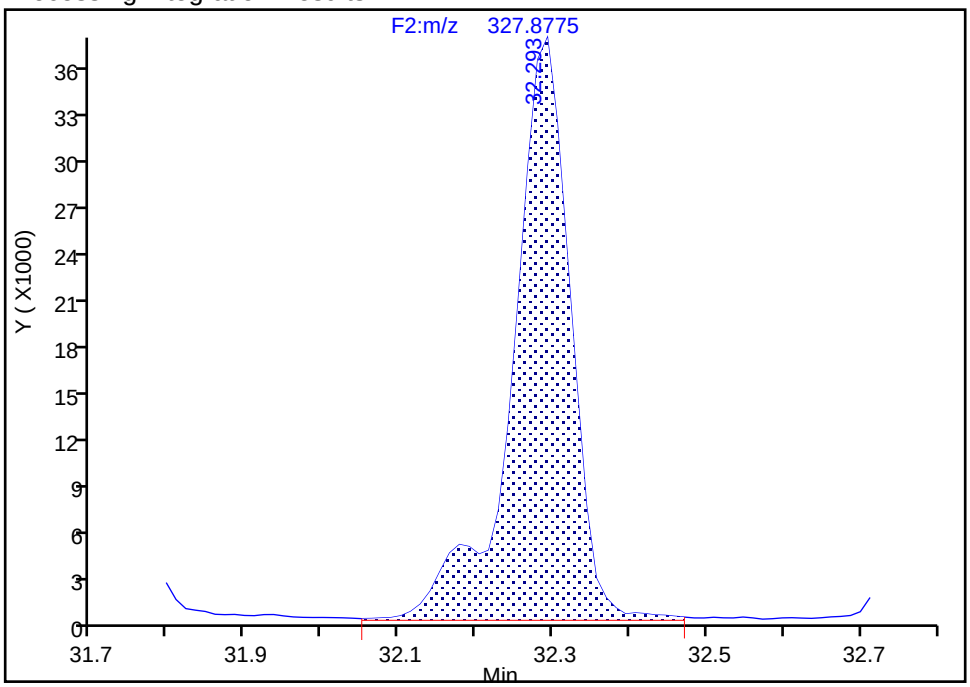
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

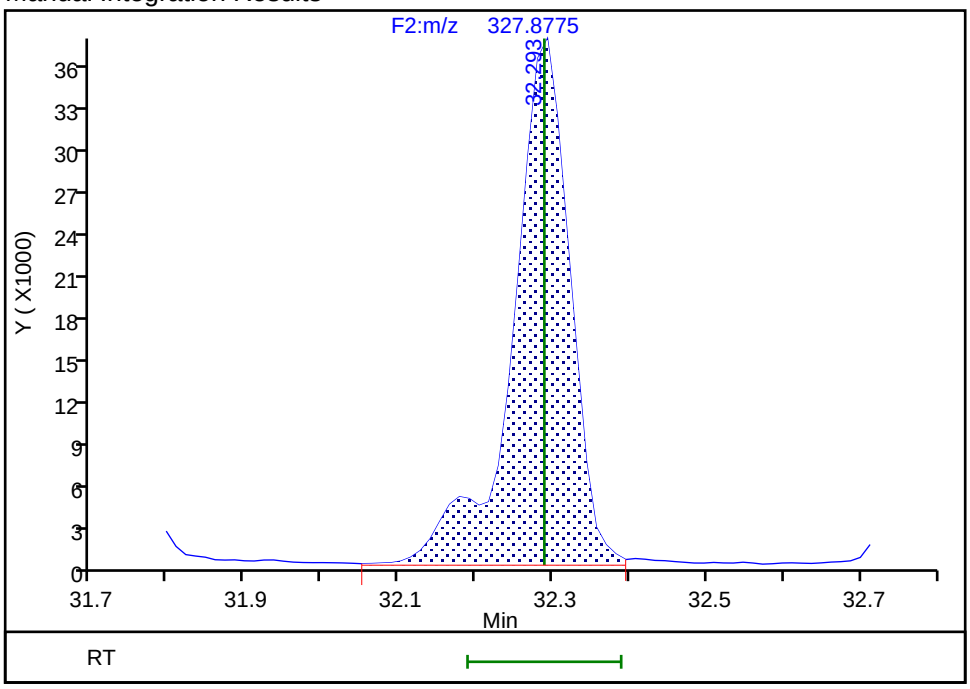
Processing Integration Results

RT: 32.29
Area: 195255
Amount: 30.300645
Amount Units: pg/ul




Manual Integration Results

RT: 32.29
Area: 193650
Amount: 30.147178
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:02:54
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

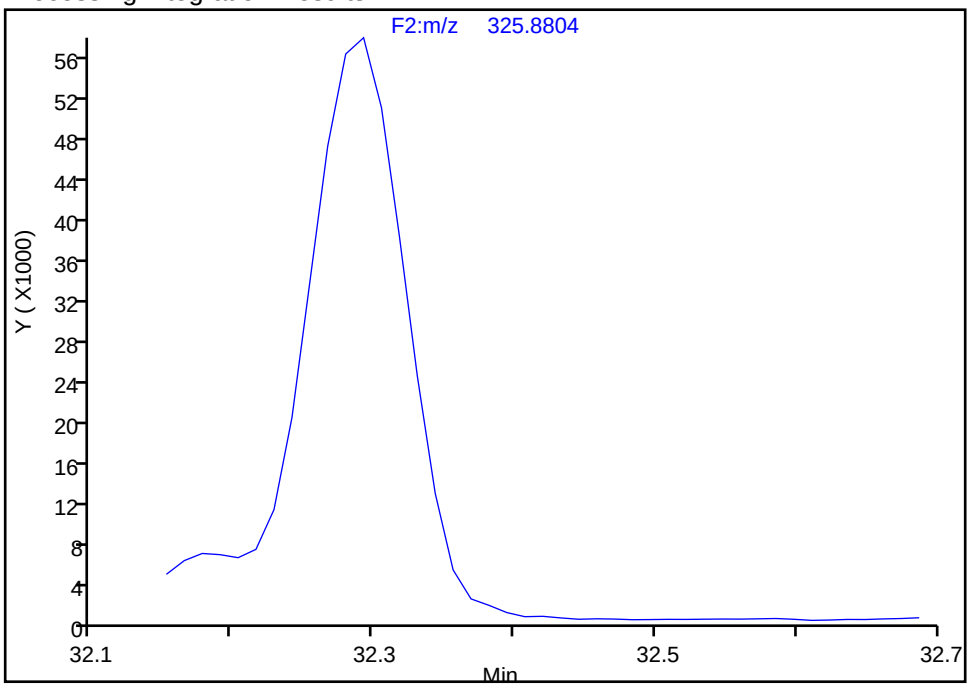
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-112, CAS: 74472-36-9

Signal: 1

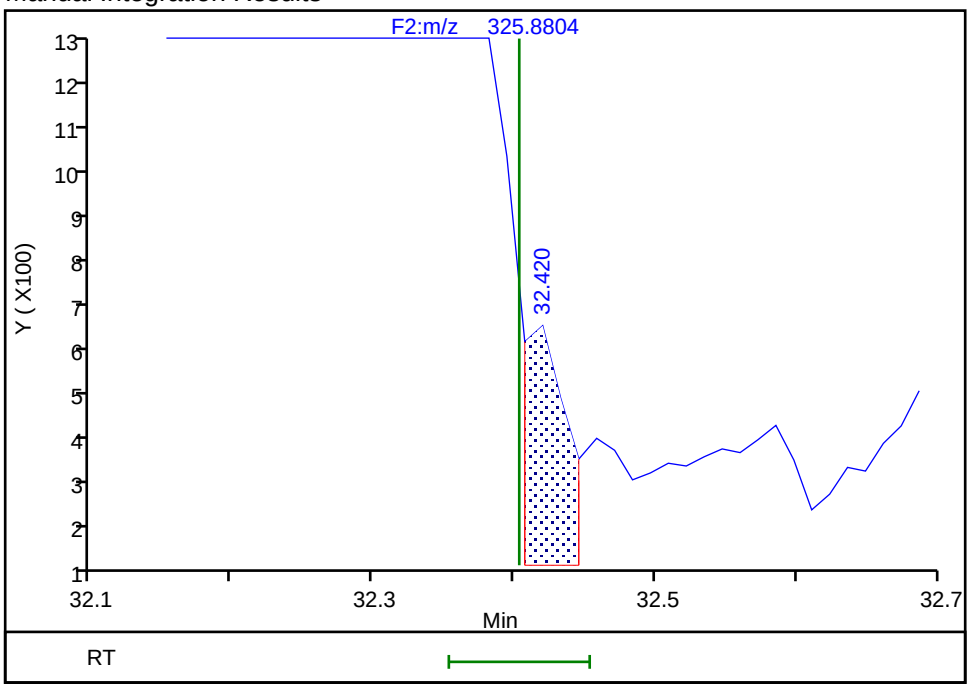
Not Detected
Expected RT: 32.40

Processing Integration Results




Manual Integration Results

RT: 32.42
Area: 947
Amount: 0.105396
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:03:01
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

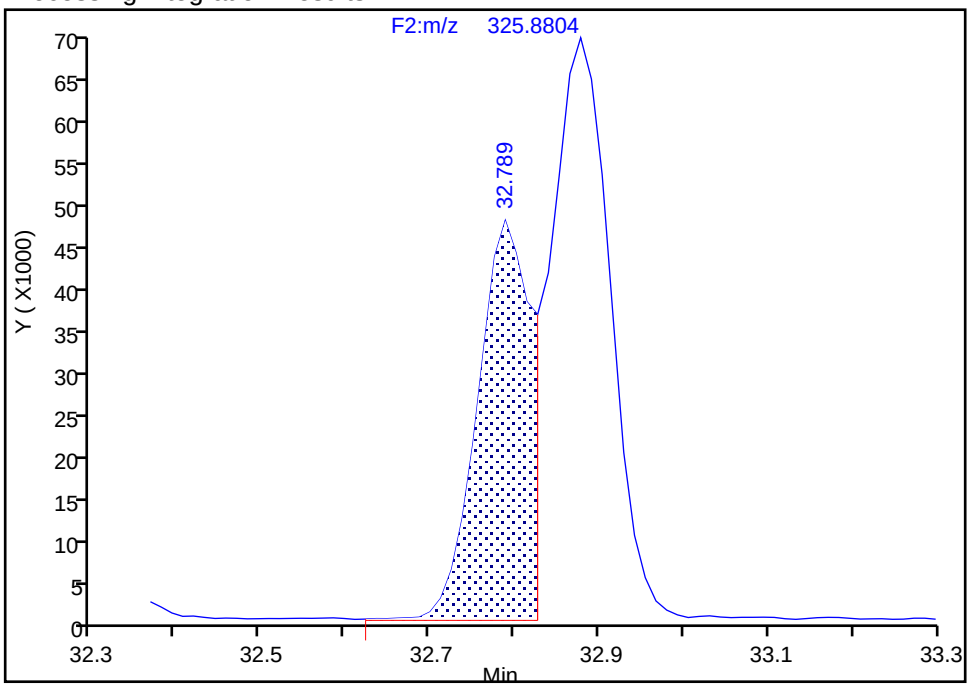
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

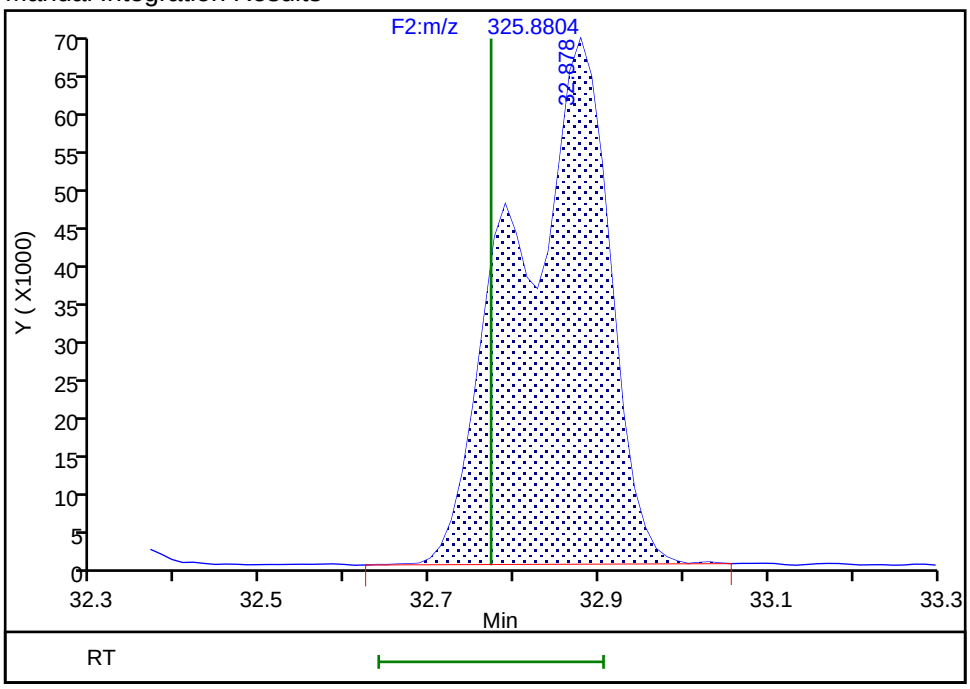
Processing Integration Results

RT: 32.79
Area: 205701
Amount: 15.982593
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 539404
Amount: 41.744651
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:03:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

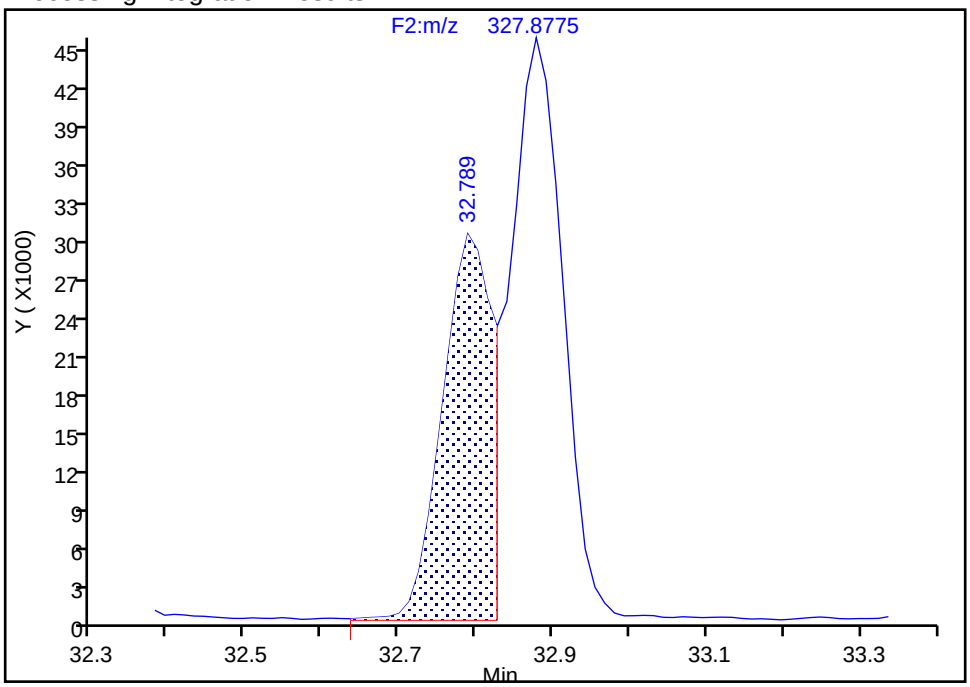
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

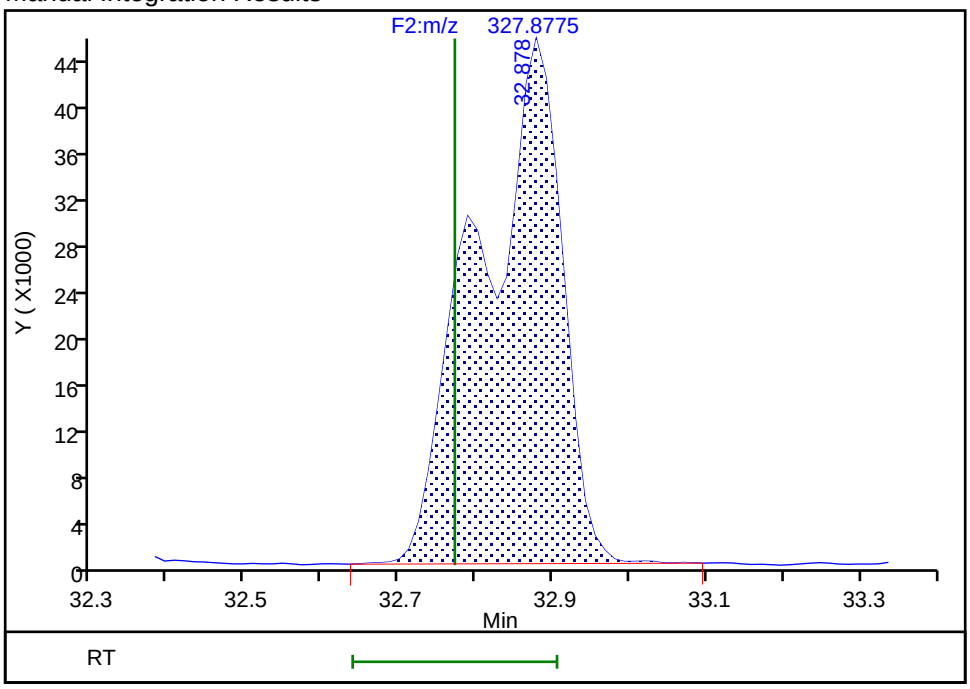
Processing Integration Results

RT: 32.79
Area: 132637
Amount: 15.982593
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 344295
Amount: 41.744651
Amount Units: pg/ul

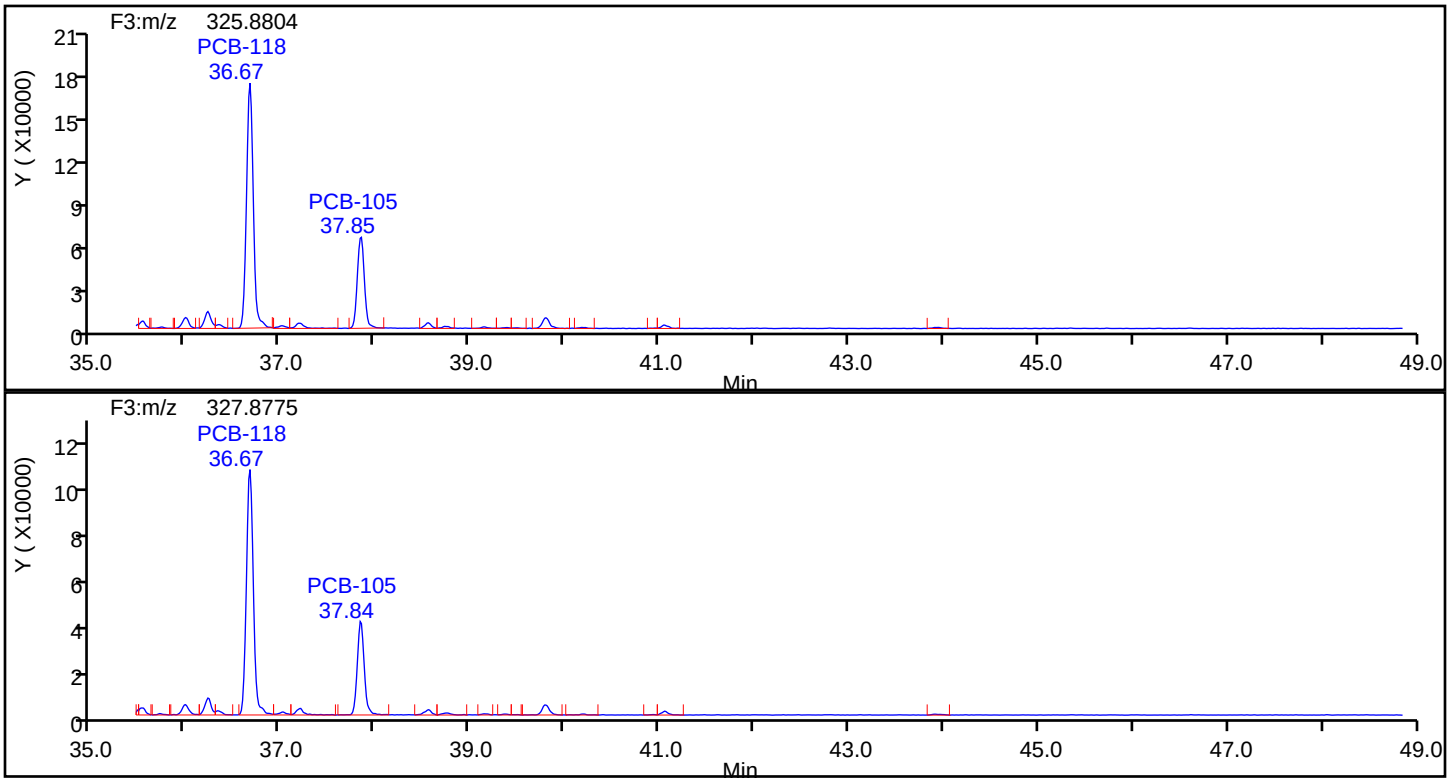



Reviewer: layk, 04-Oct-2019 10:03:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

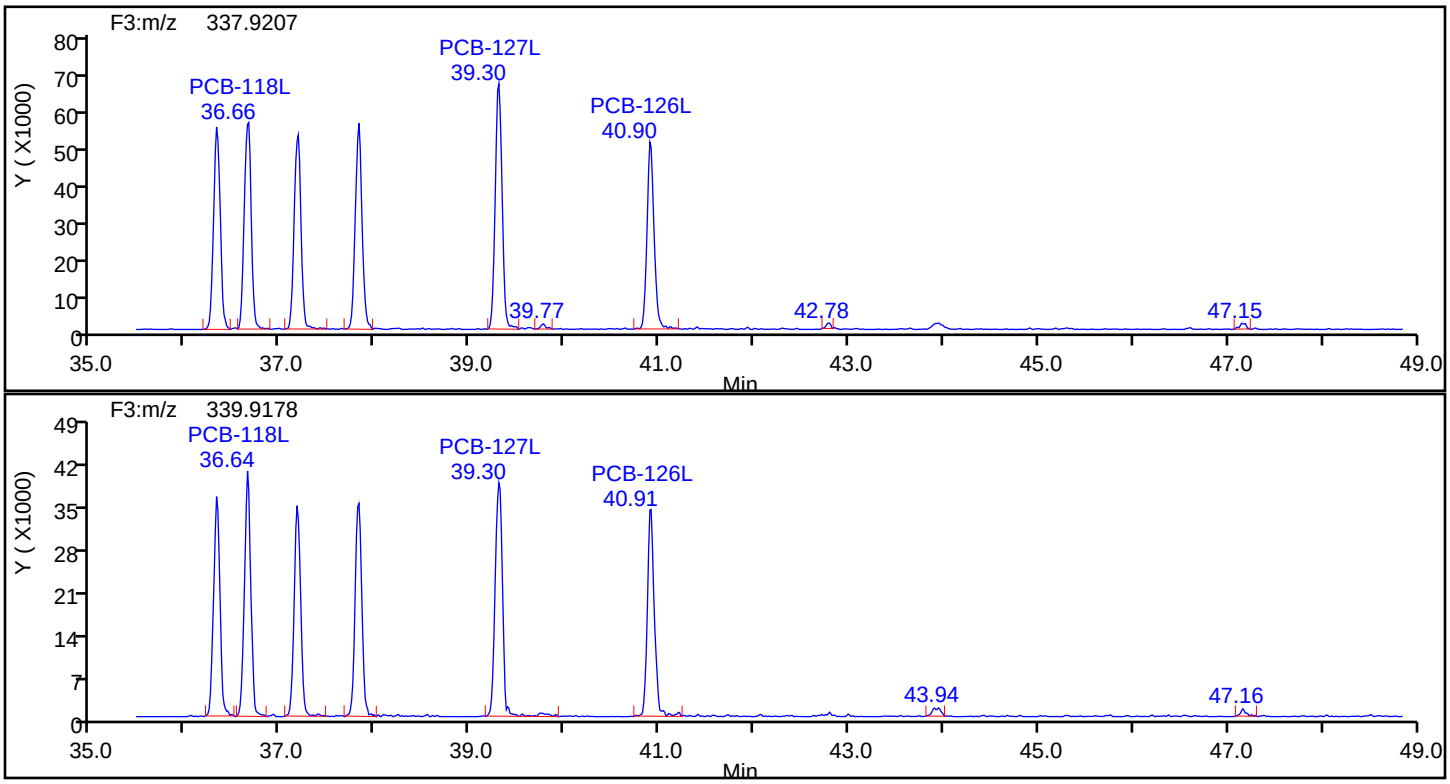
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



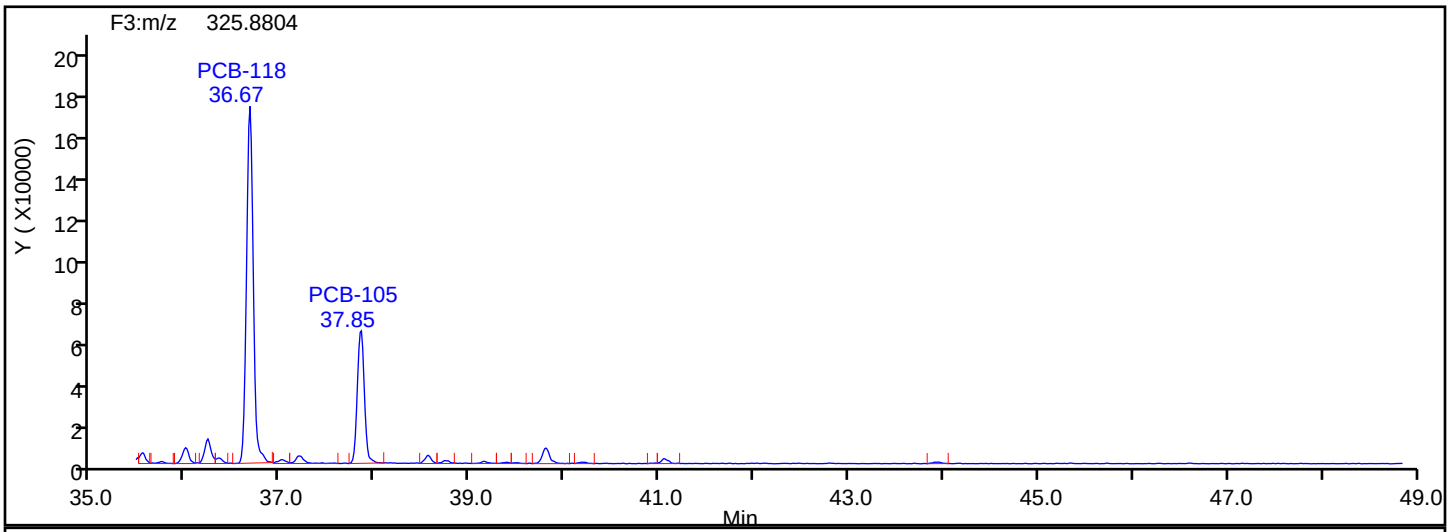

PePCB F3 Standards

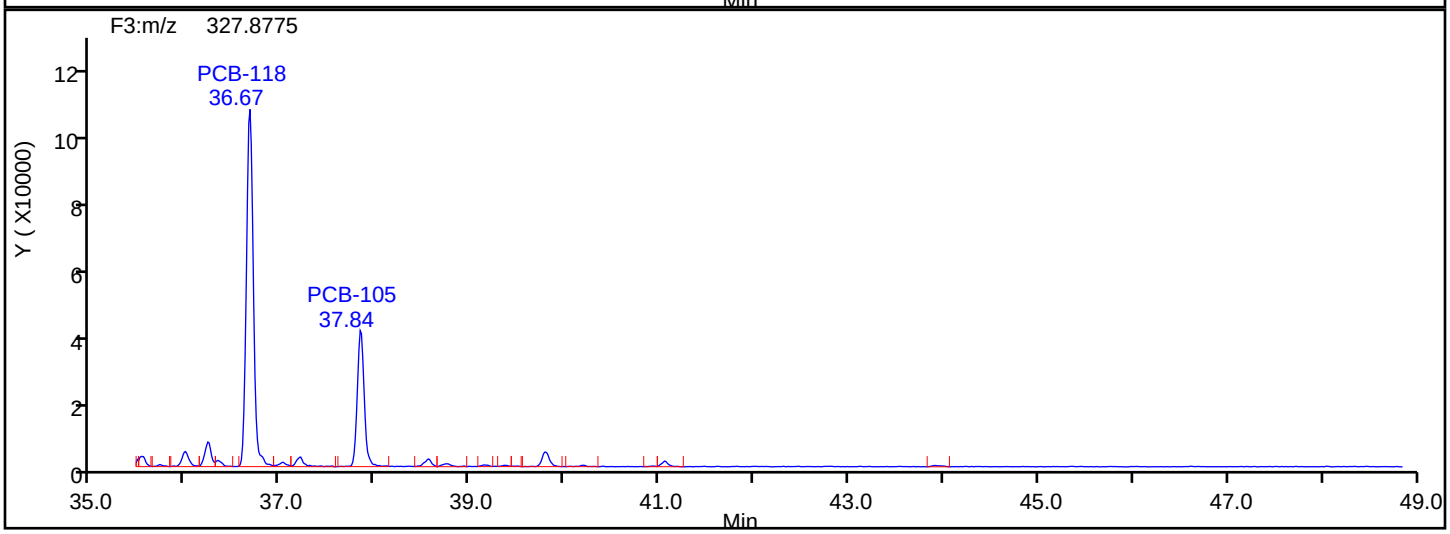


Eurofins TestAmerica, Knoxville

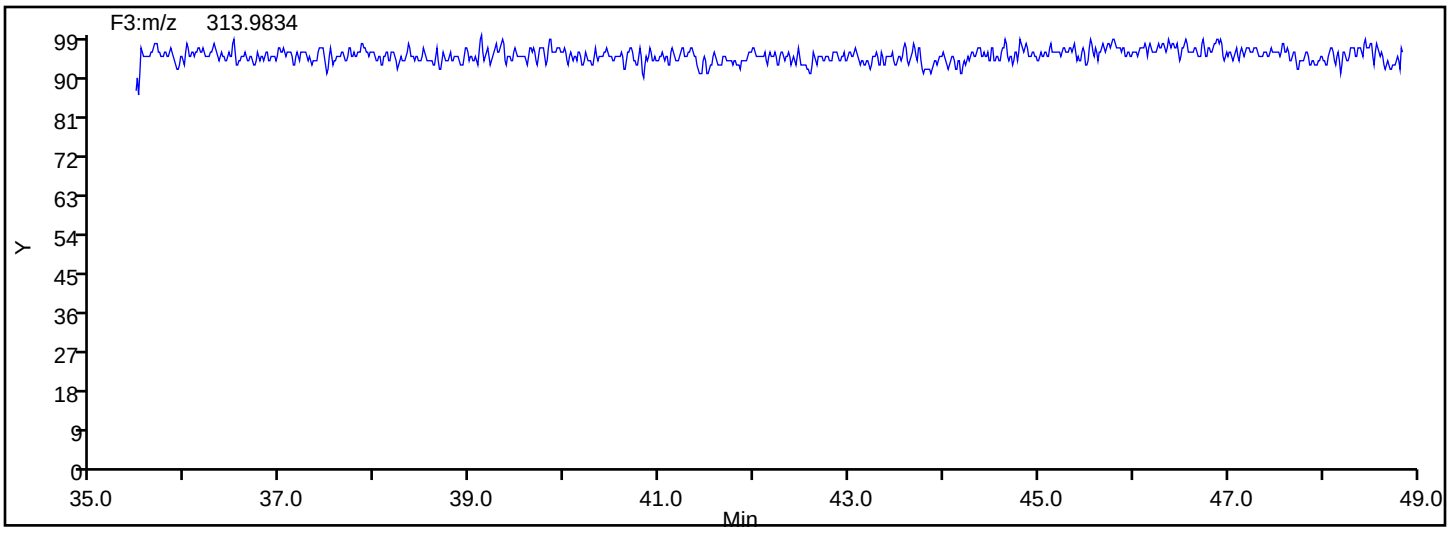
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

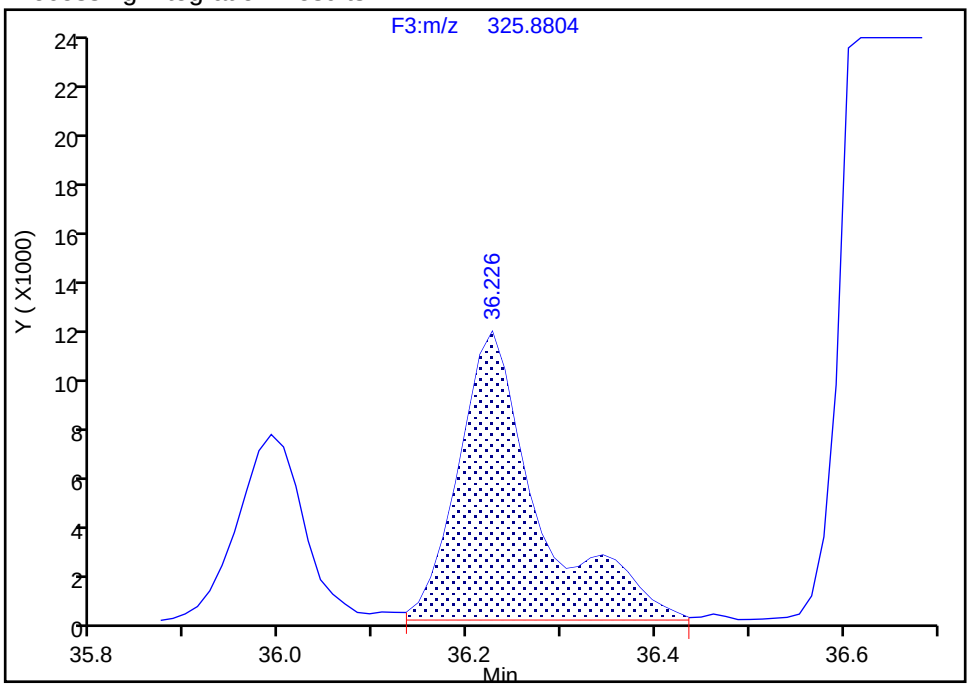
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

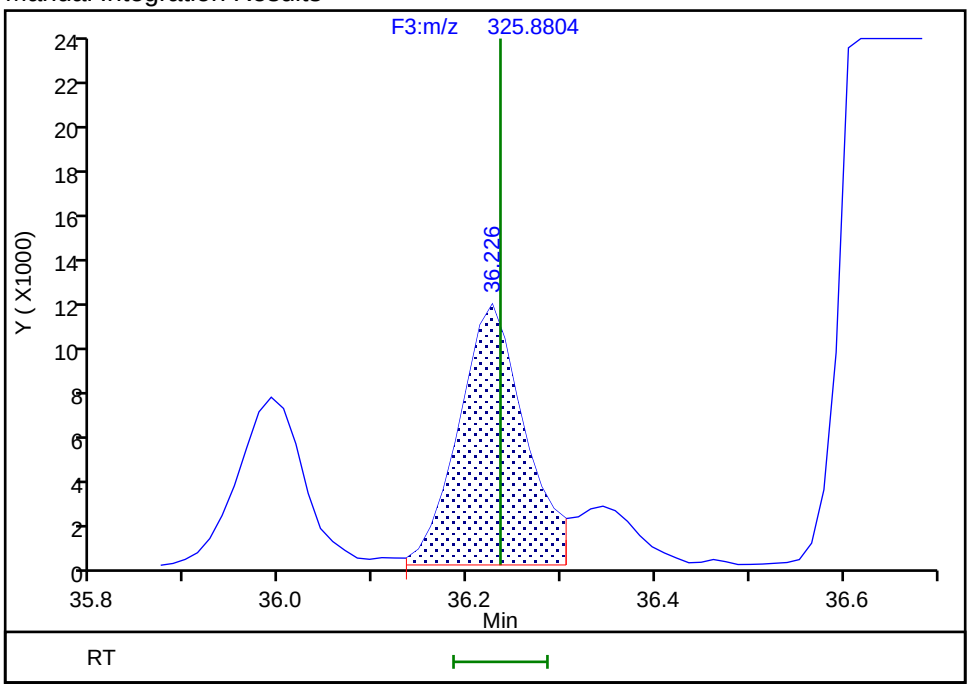
Processing Integration Results

RT: 36.23
Area: 68033
Amount: 3.386599
Amount Units: pg/ul




Manual Integration Results

RT: 36.23
Area: 55827
Amount: 2.985769
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:04:06

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

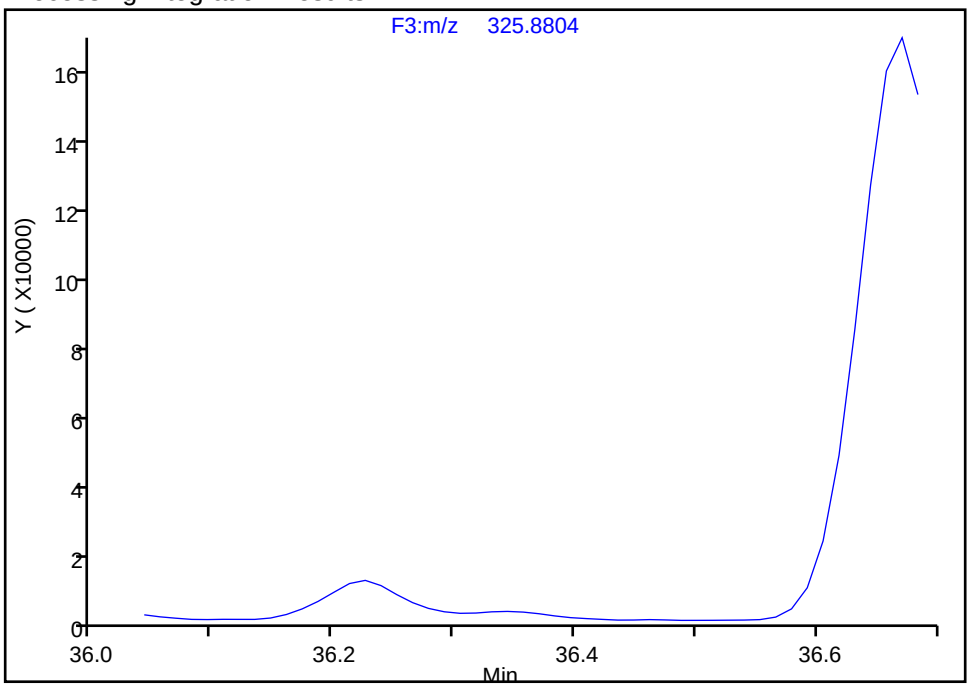
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

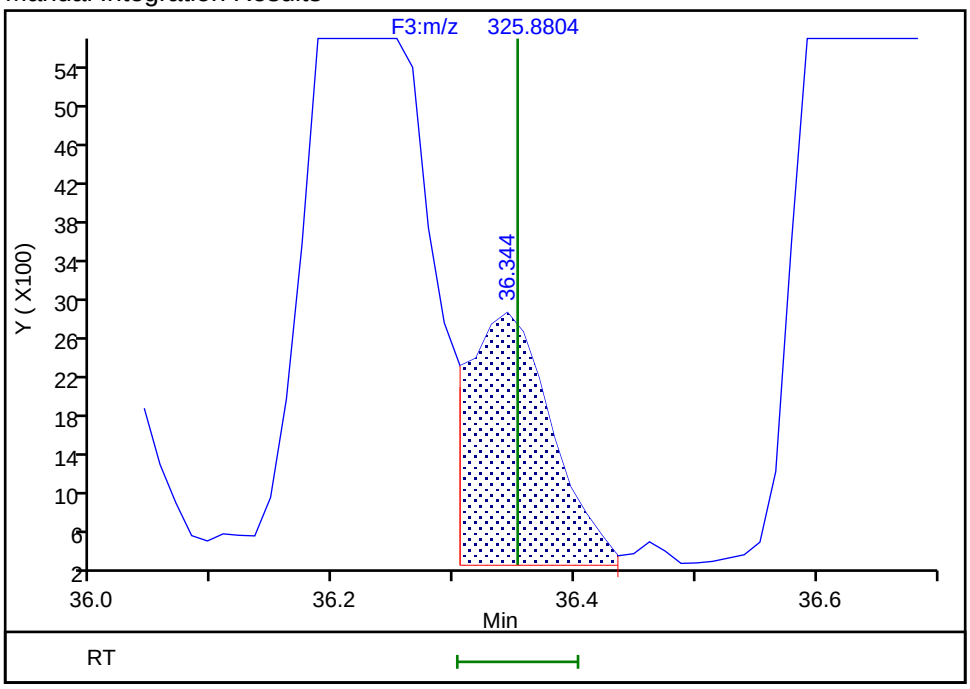
Not Detected
Expected RT: 36.35

Processing Integration Results




Manual Integration Results

RT: 36.34
Area: 12206
Amount: 0.690759
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:04:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

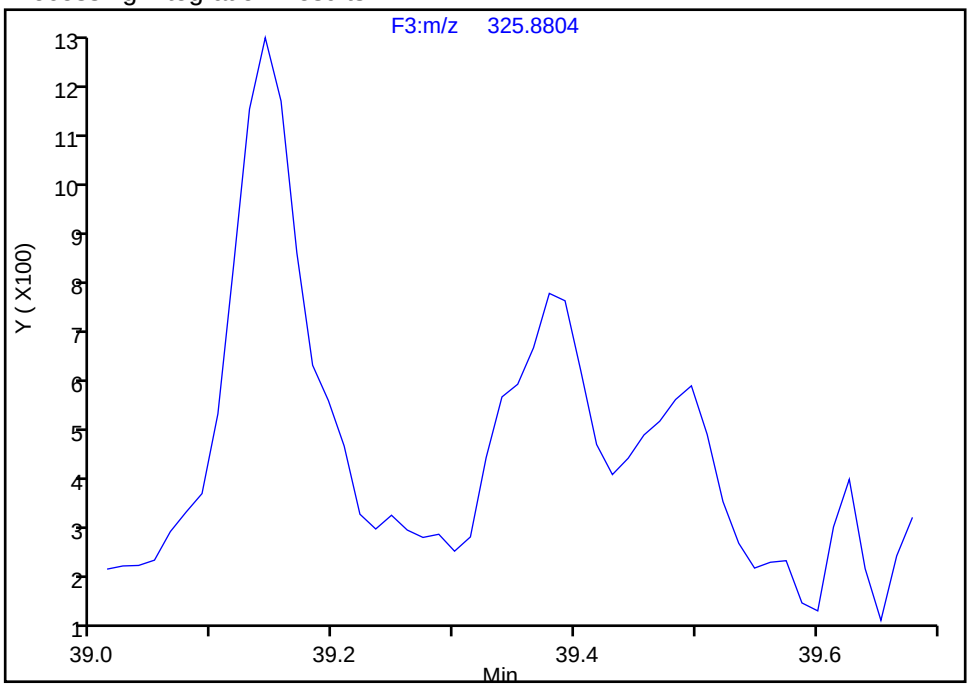
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 1

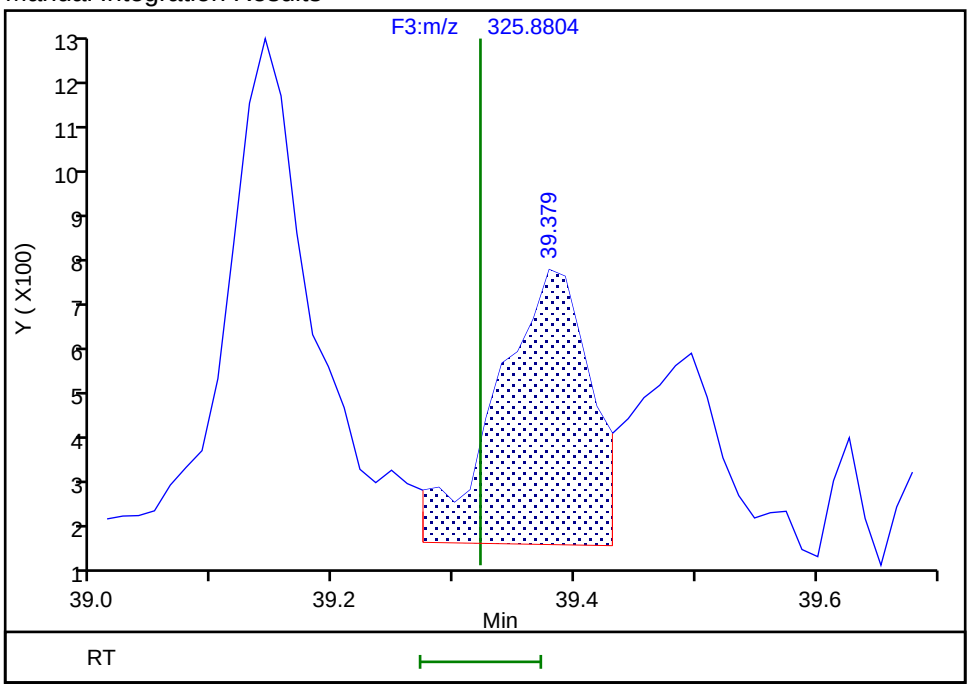
Not Detected
Expected RT: 39.32

Processing Integration Results




Manual Integration Results

RT: 39.38
Area: 3025
Amount: 0.172701
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:05:04
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

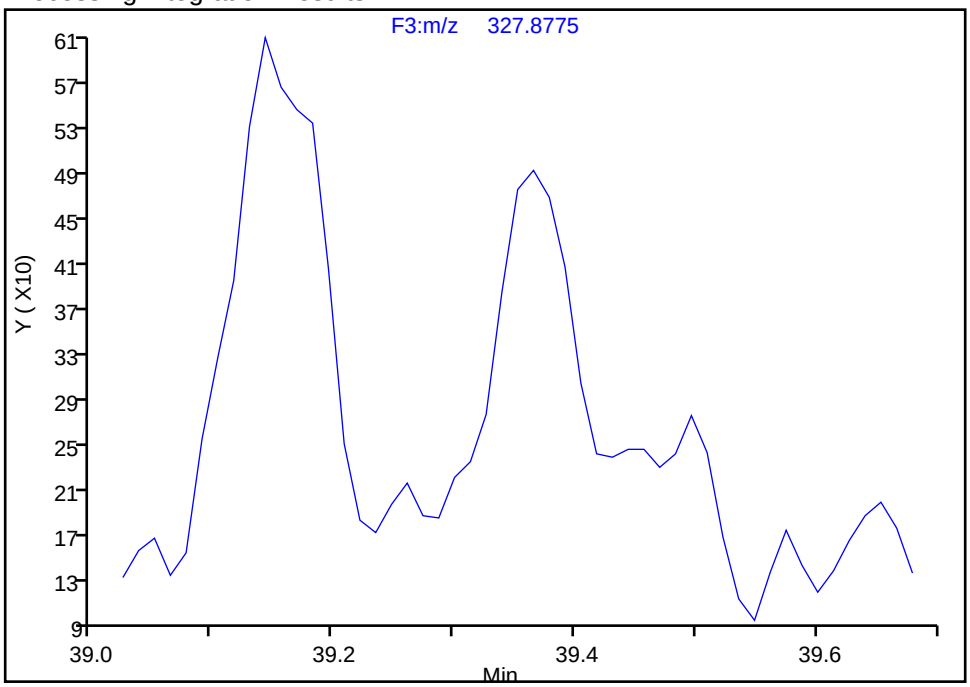
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 2

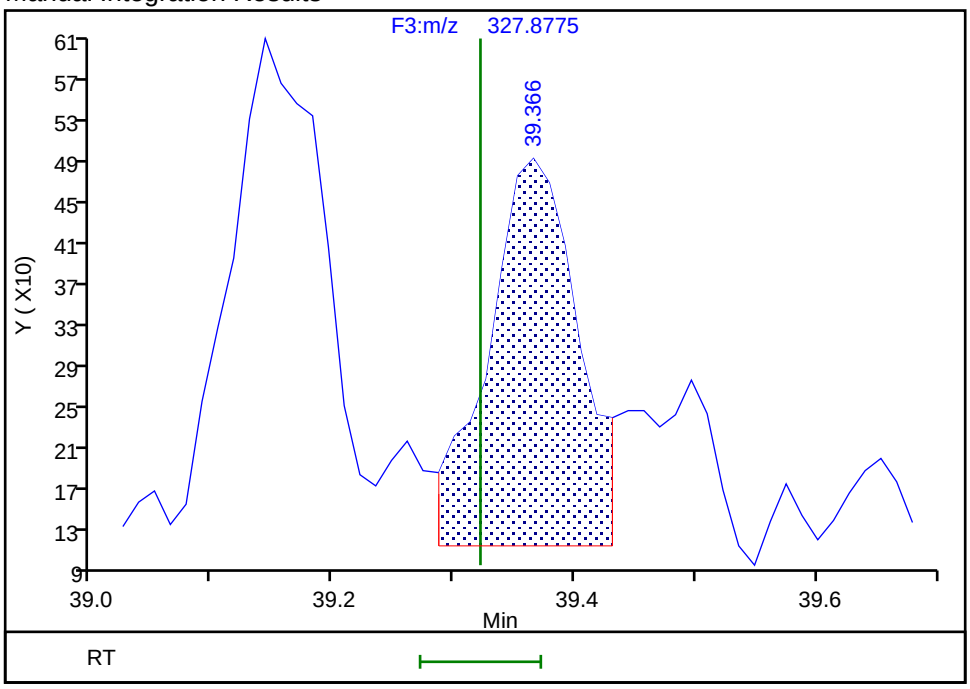
Not Detected
Expected RT: 39.32

Processing Integration Results




Manual Integration Results

RT: 39.37
Area: 1948
Amount: 0.172701
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:05:07
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

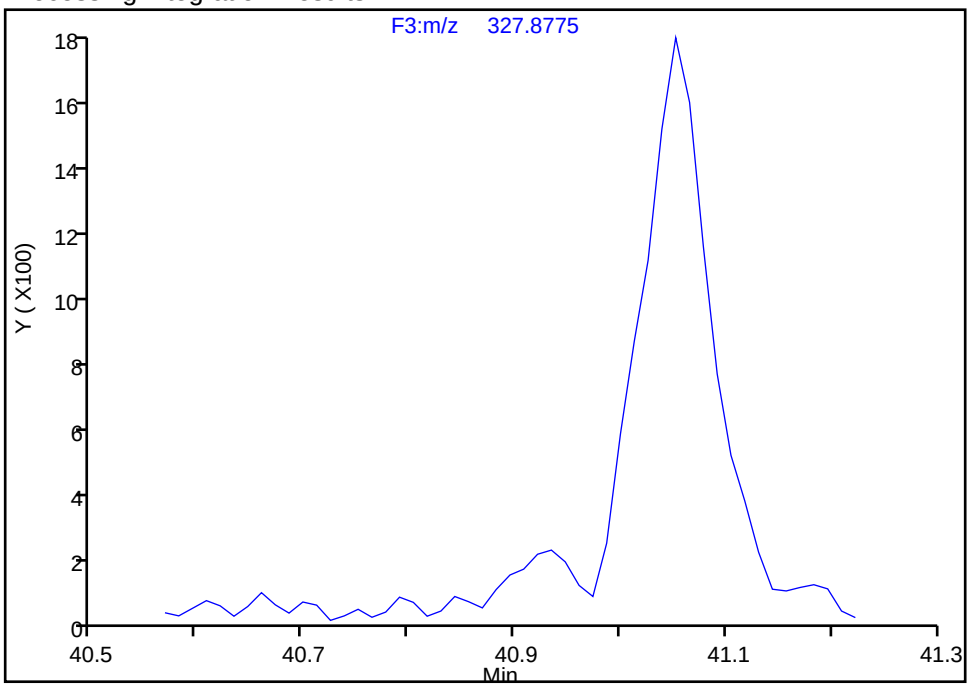
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

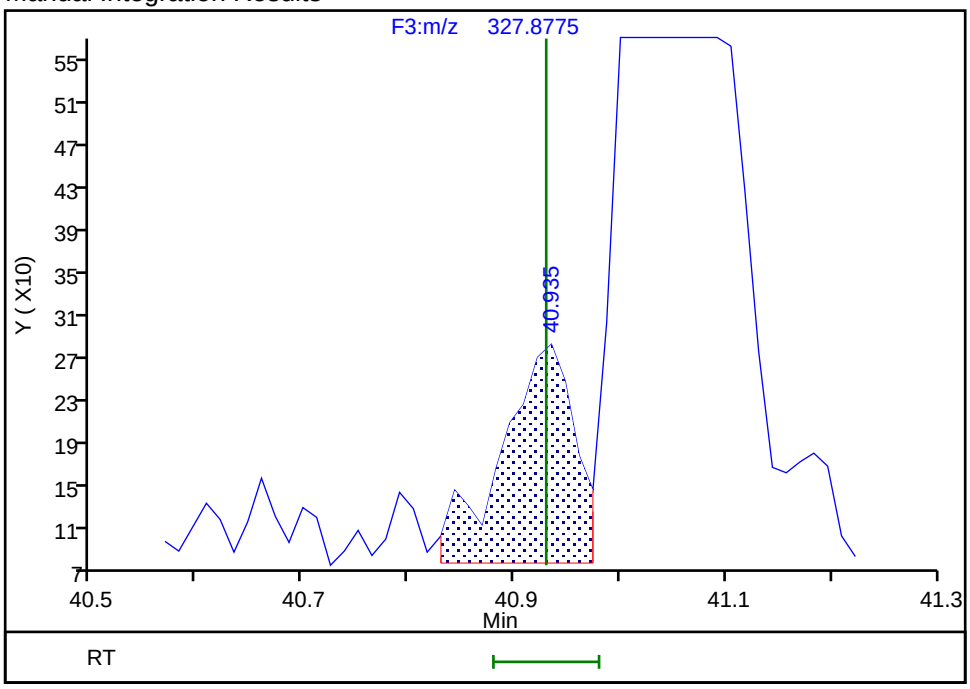
Not Detected
Expected RT: 40.93

Processing Integration Results




Manual Integration Results

RT: 40.93
Area: 955
Amount: 0.071441
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:05:35
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

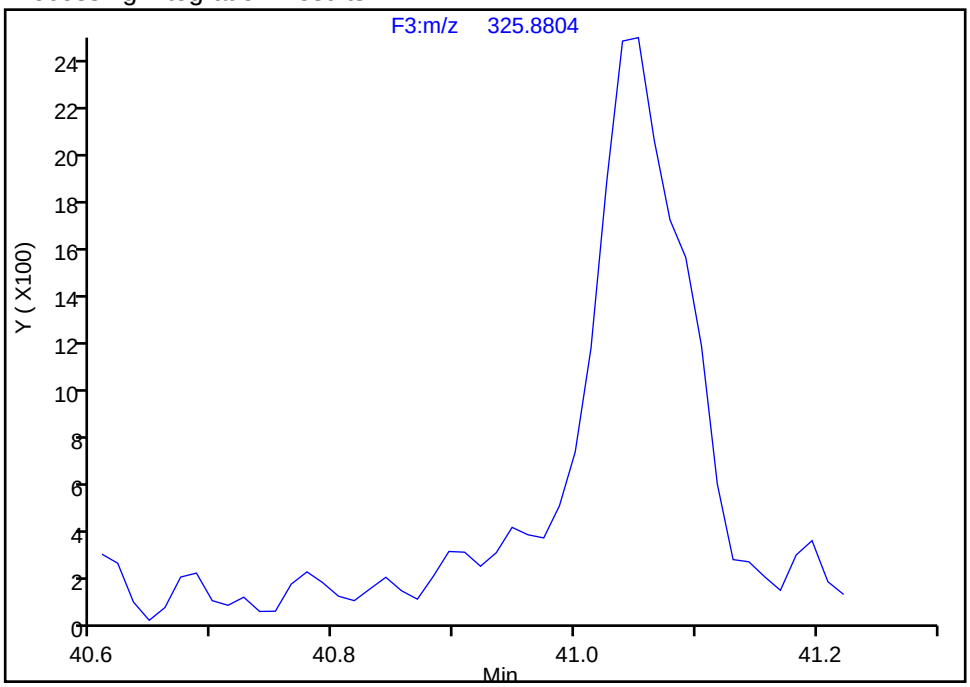
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

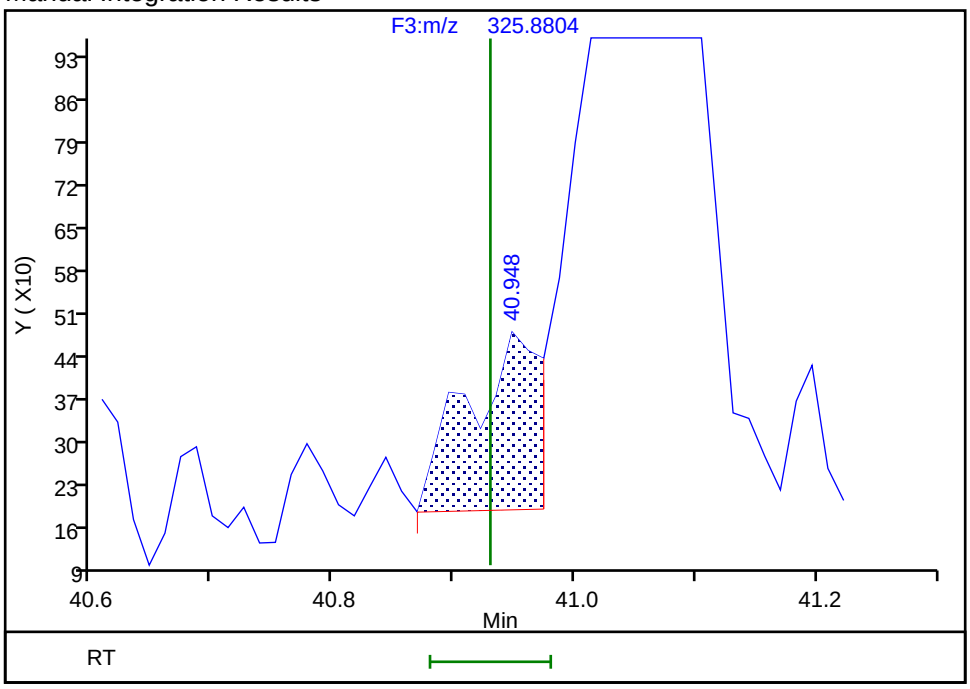
Not Detected
Expected RT: 40.93

Processing Integration Results




Manual Integration Results

RT: 40.95
Area: 1144
Amount: 0.071441
Amount Units: pg/ul



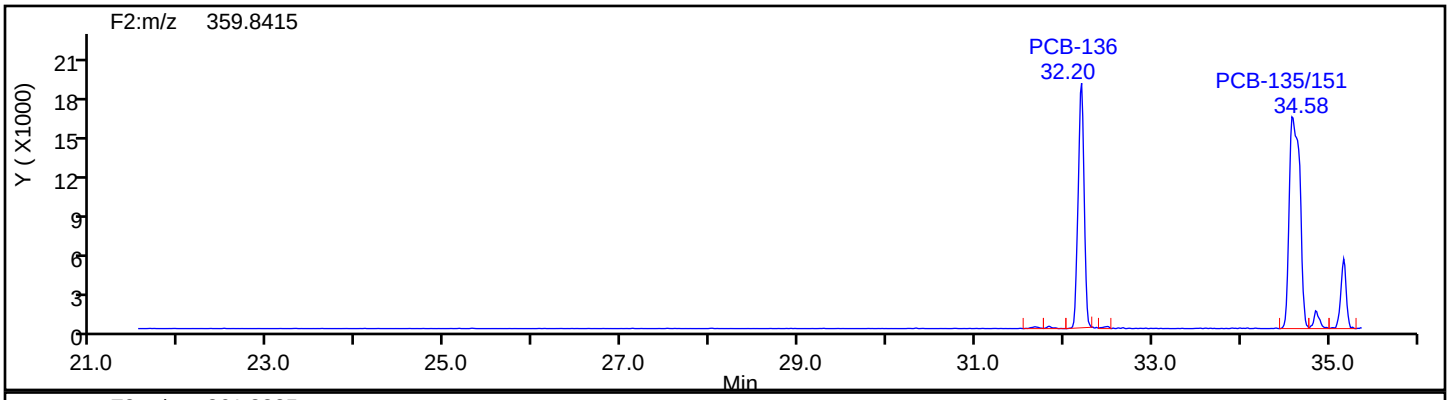

Reviewer: layk, 04-Oct-2019 10:05:39
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

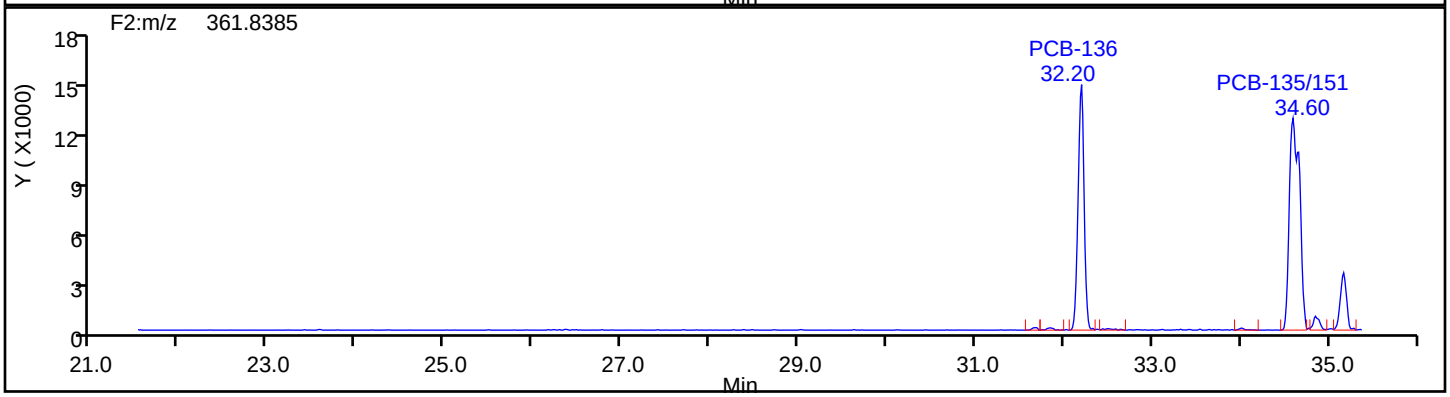
Report Date: 04-Oct-2019 14:09:07 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

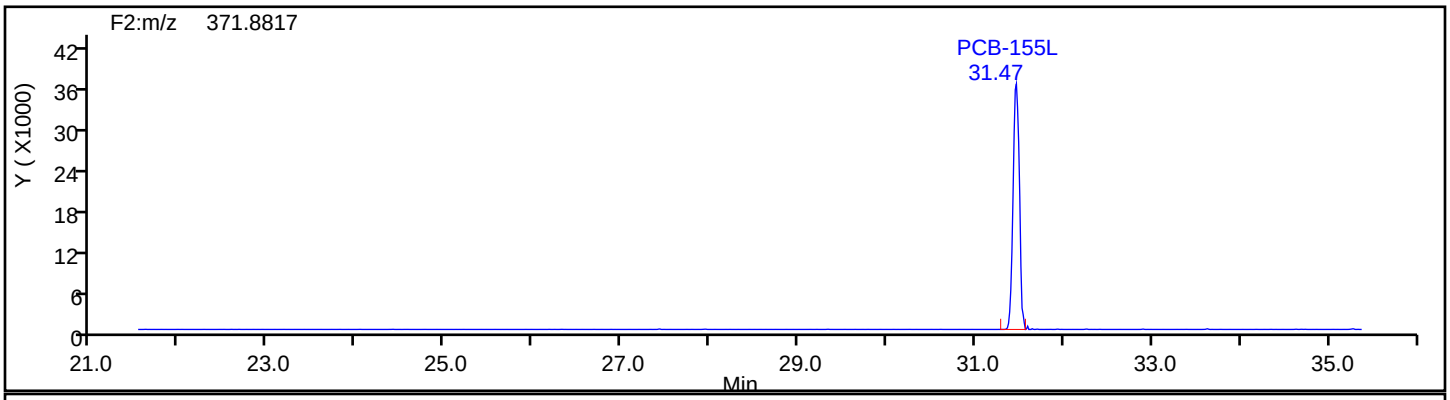
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

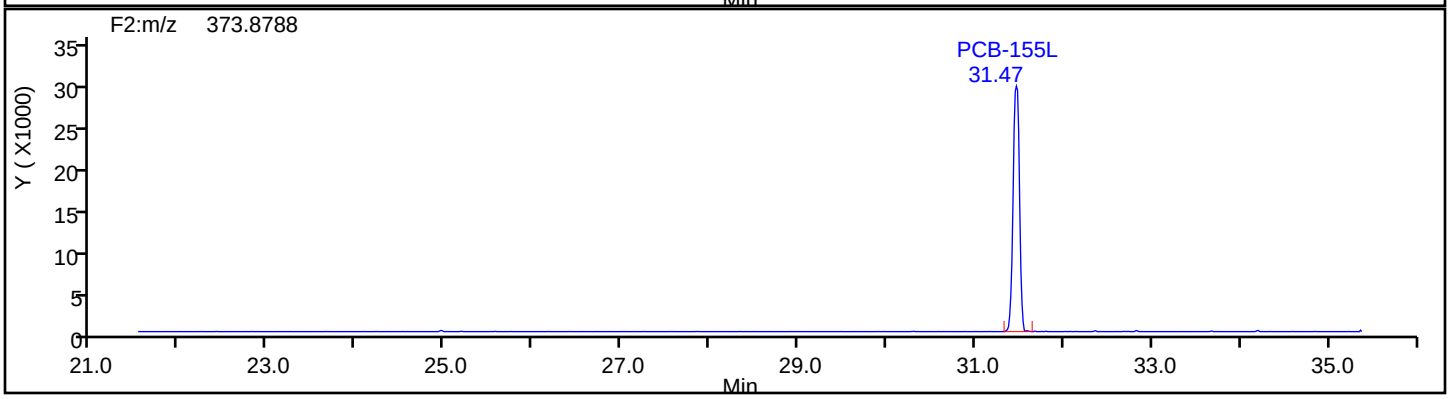
HxPCB F2




HxPCB F2 Standards

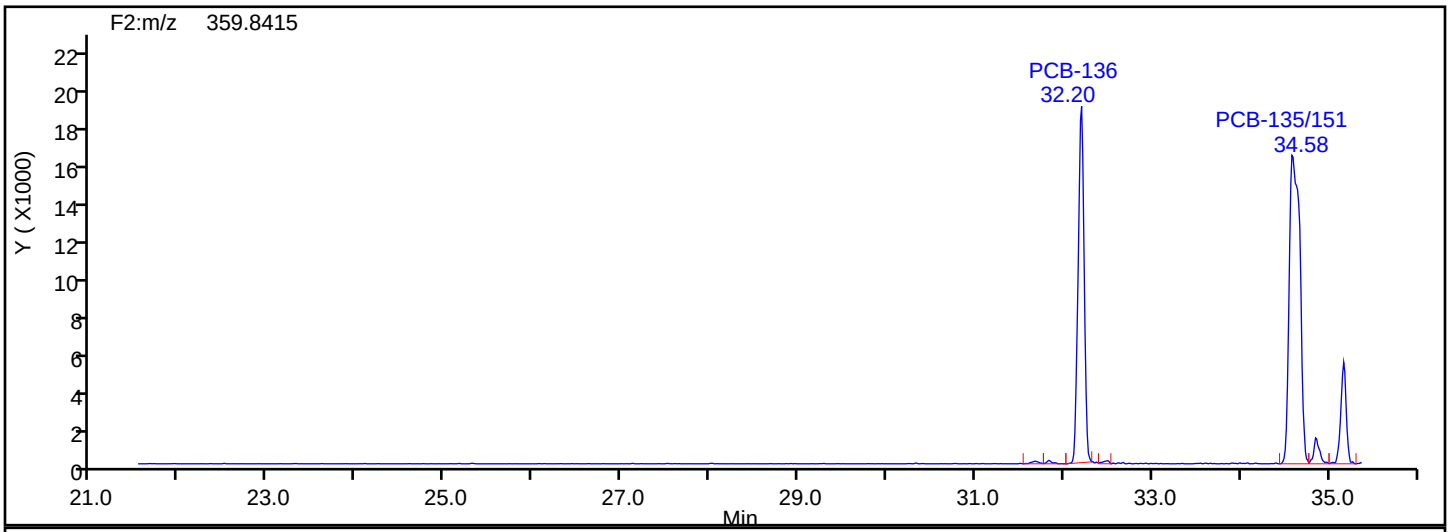


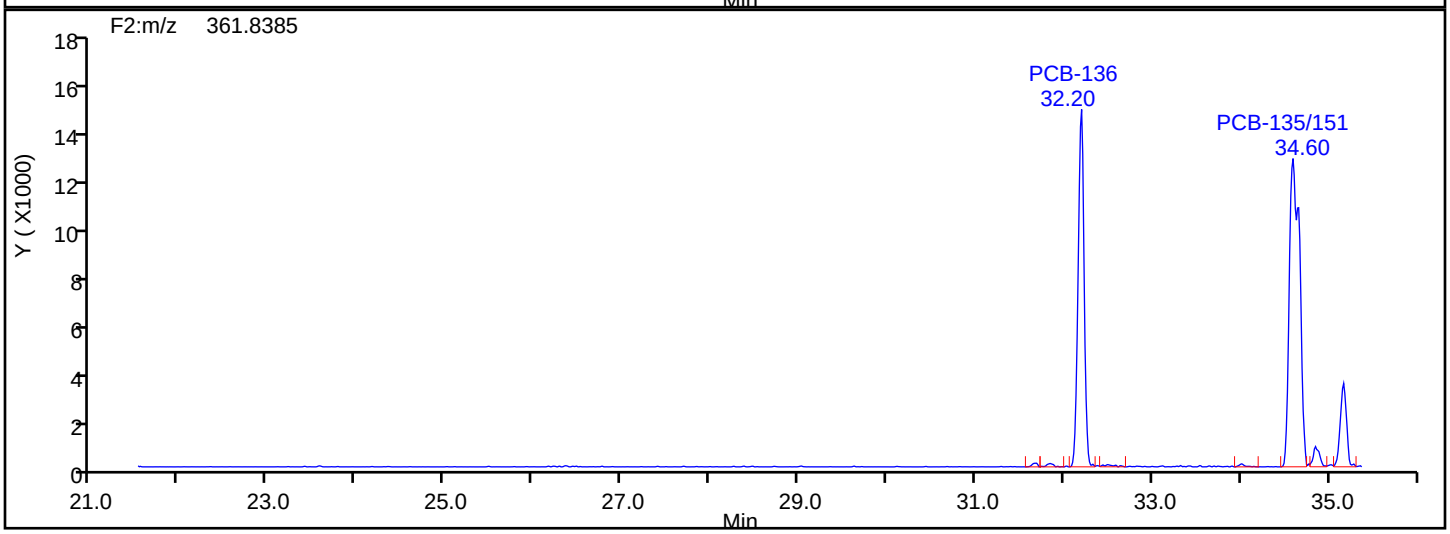



Eurofins TestAmerica, Knoxville

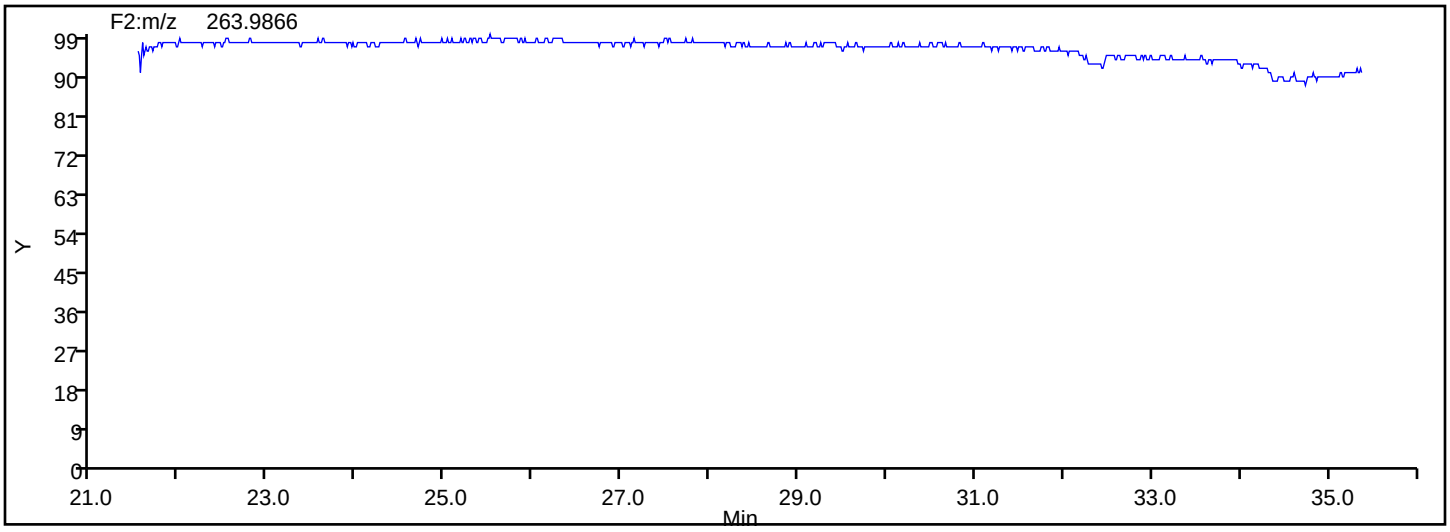
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass

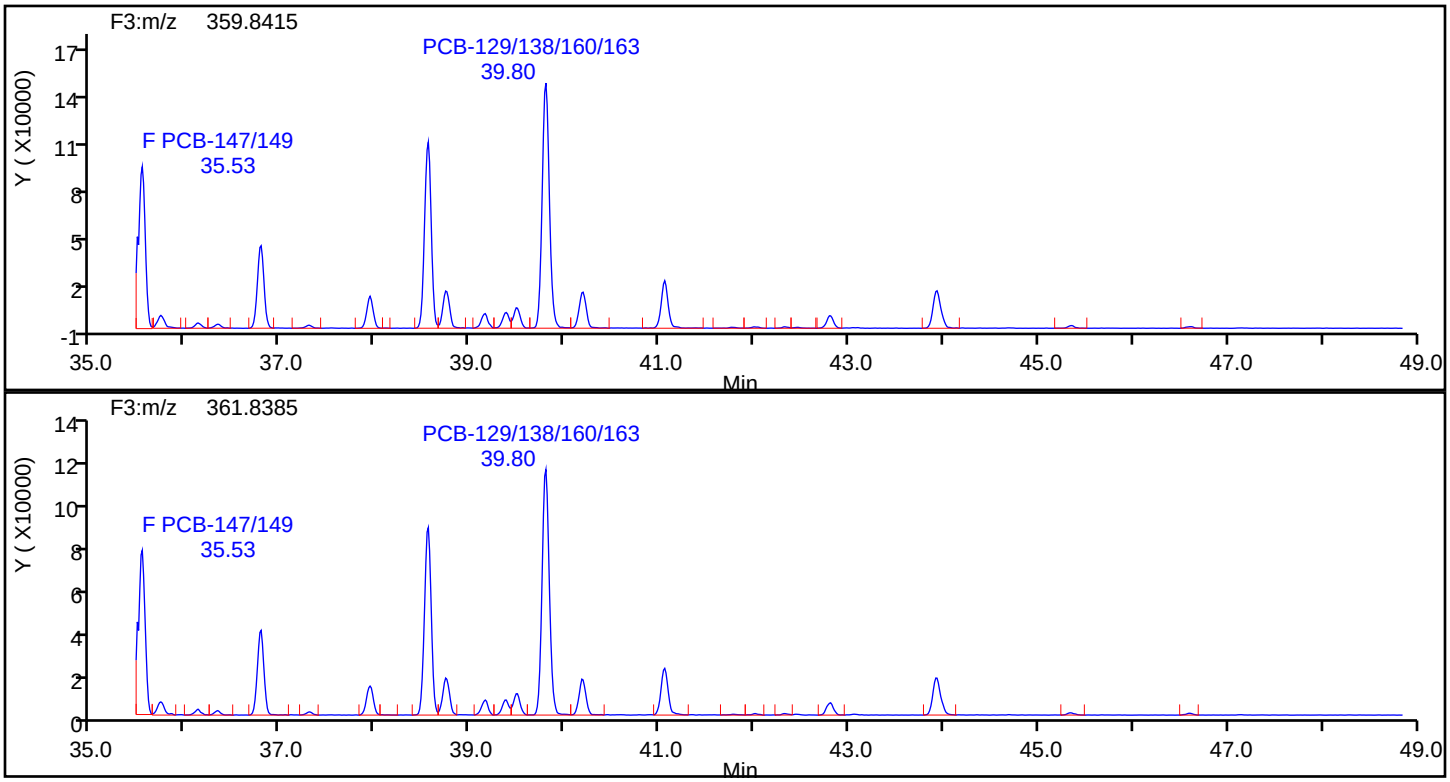


Report Date: 04-Oct-2019 14:09:07 Chrom Revision: 2.3 17-Sep-2019 16:19:08

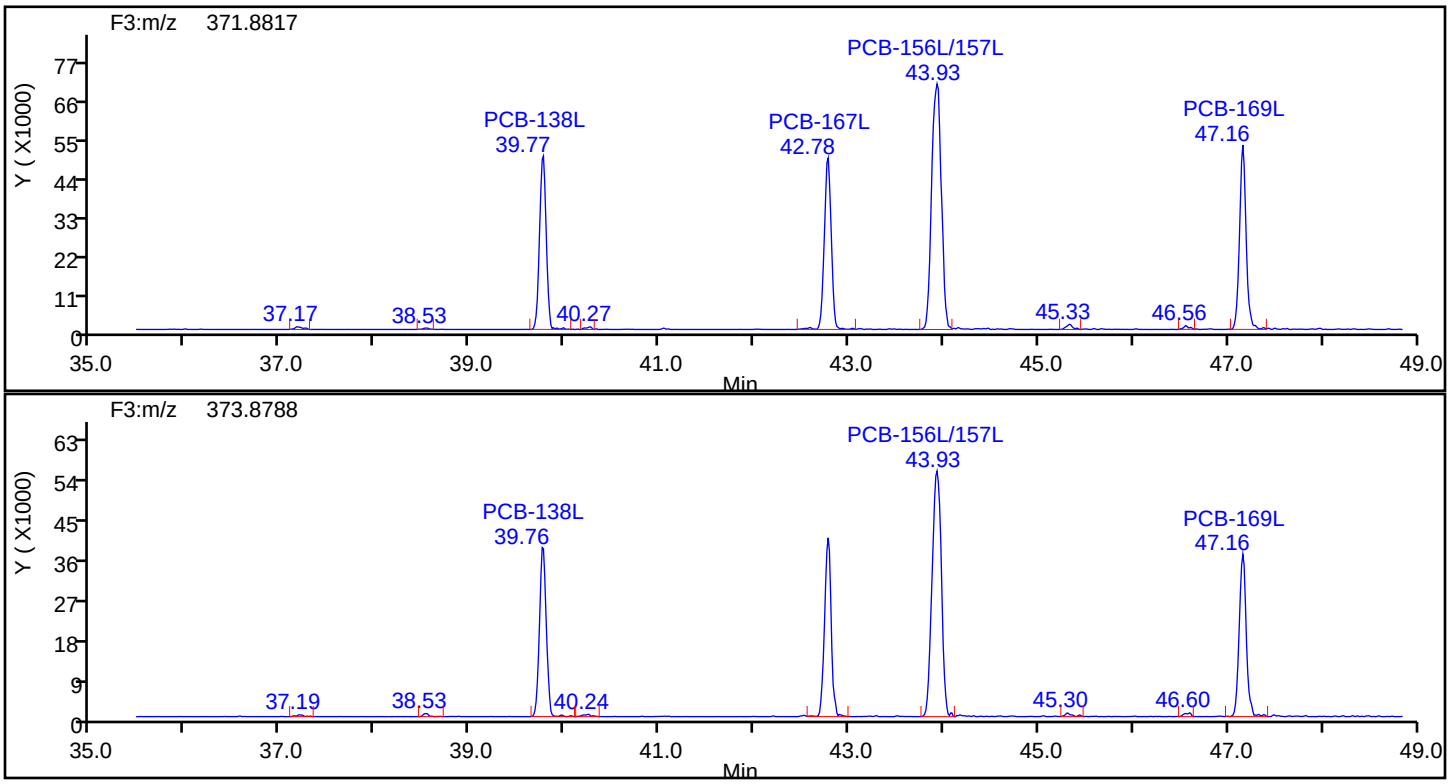
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



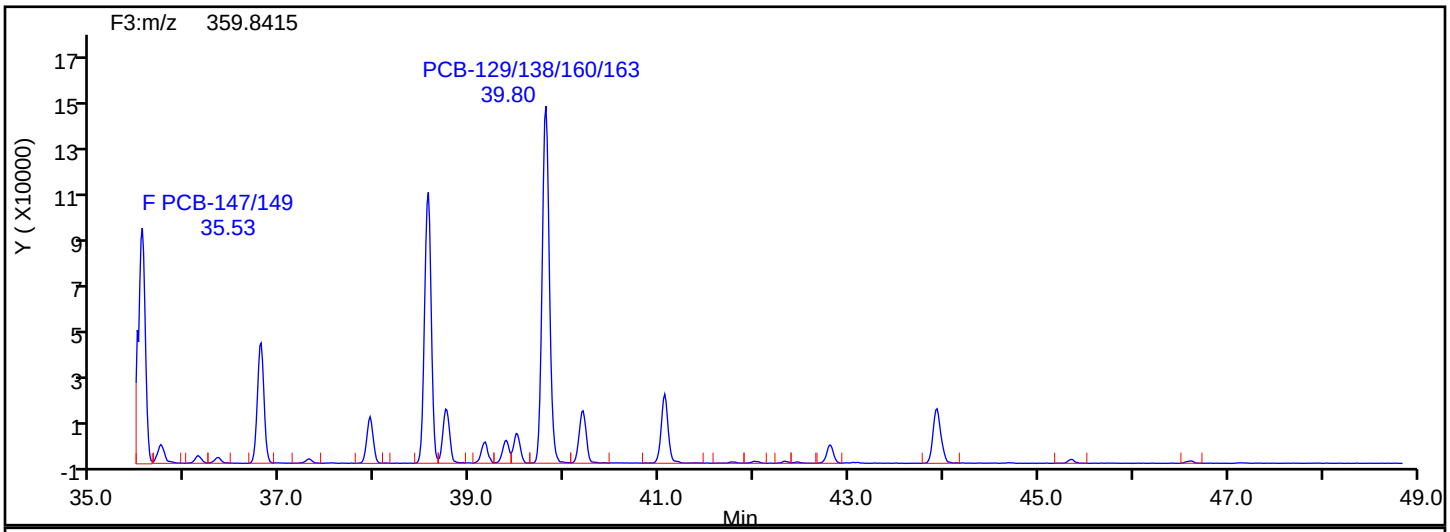

HxPCB F3 Standards

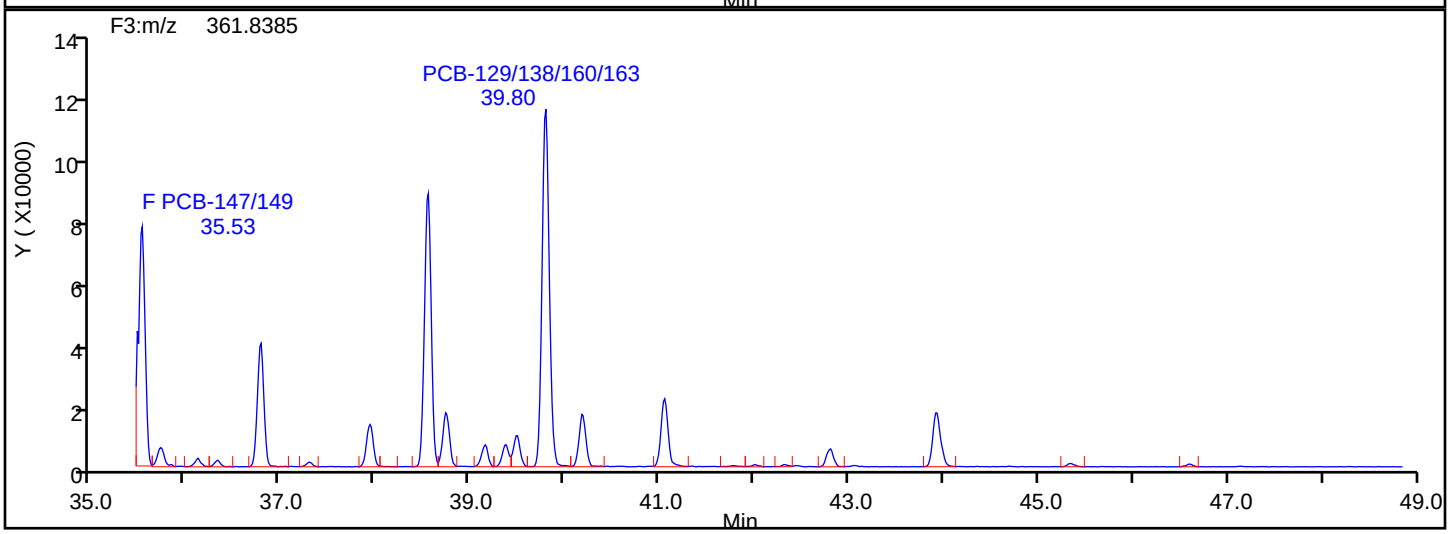


Eurofins TestAmerica, Knoxville

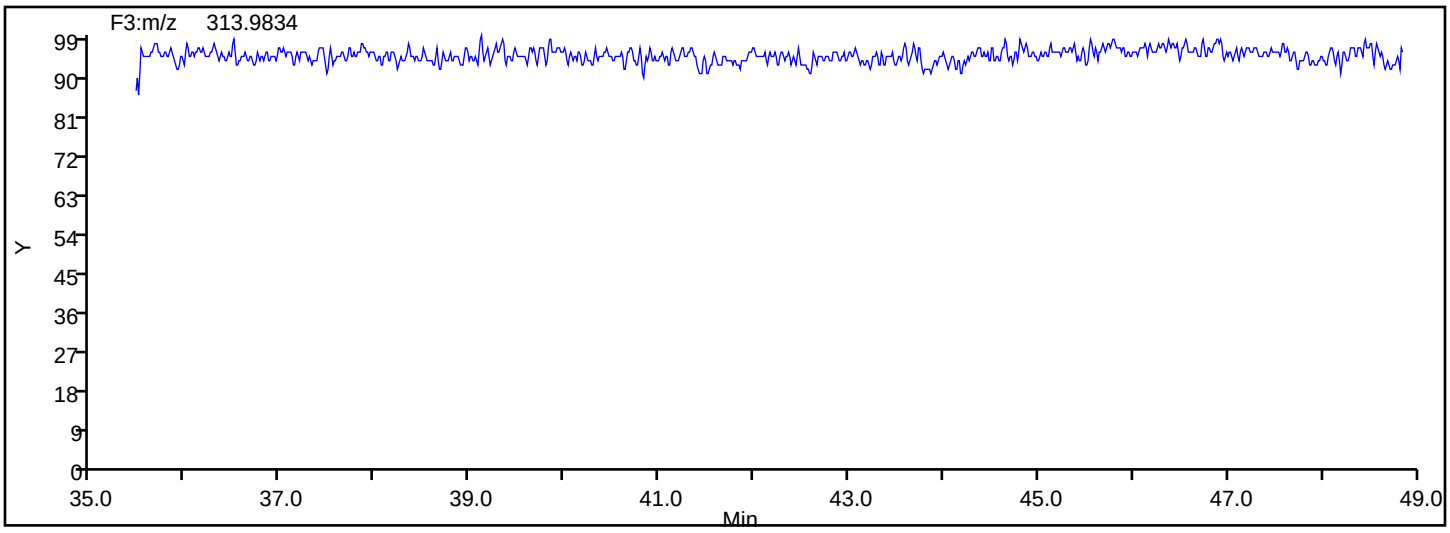
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

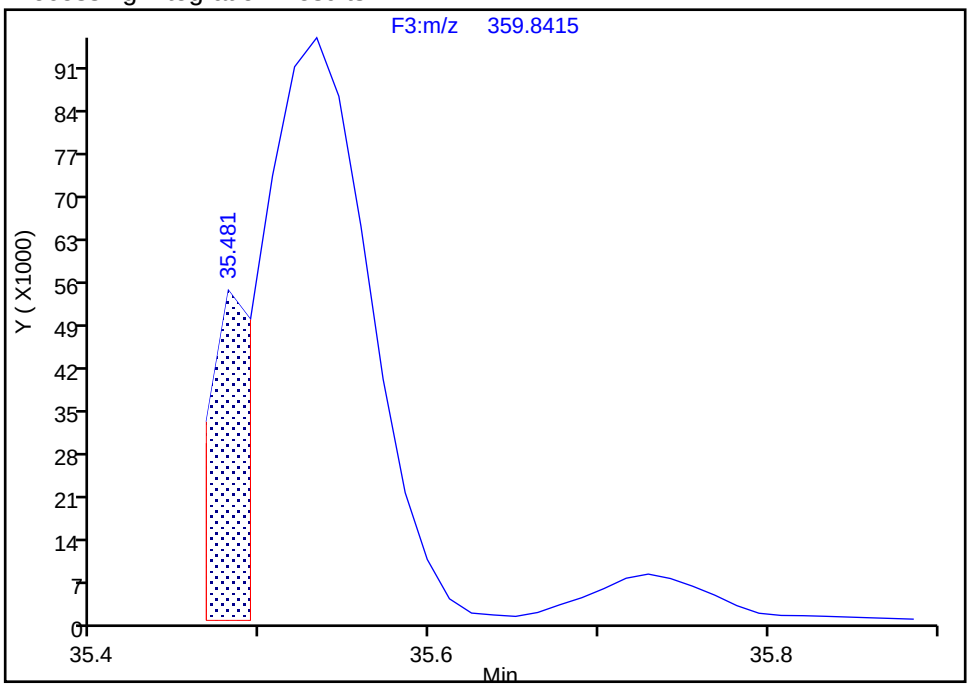
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 1

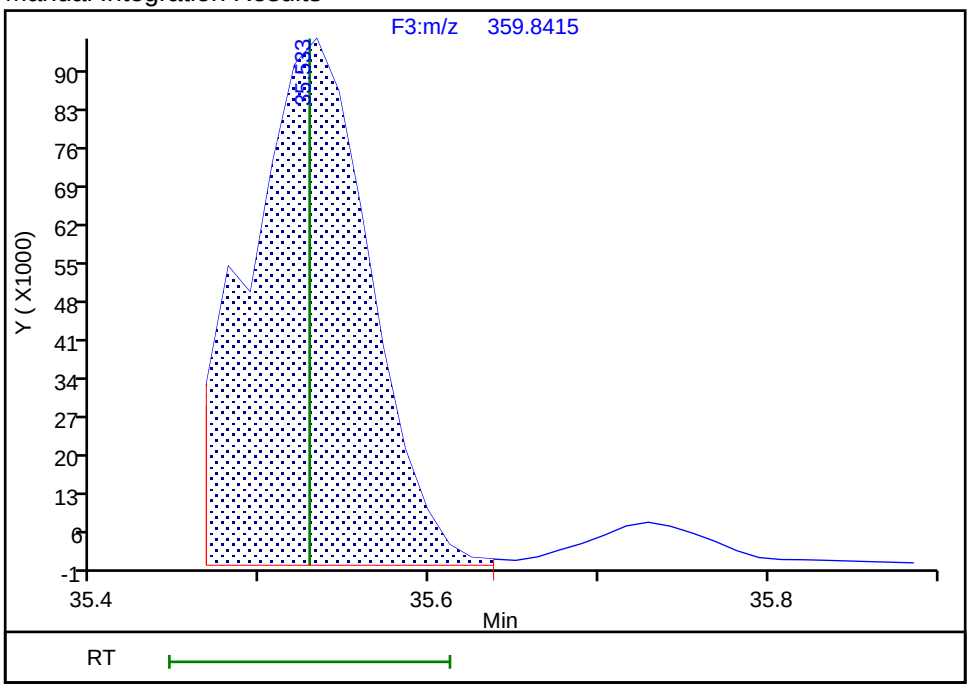
Processing Integration Results

RT: 35.48
Area: 74236
Amount: 6.151442
Amount Units: pg/ul




Manual Integration Results

RT: 35.53
Area: 475531
Amount: 39.019771
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:07:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

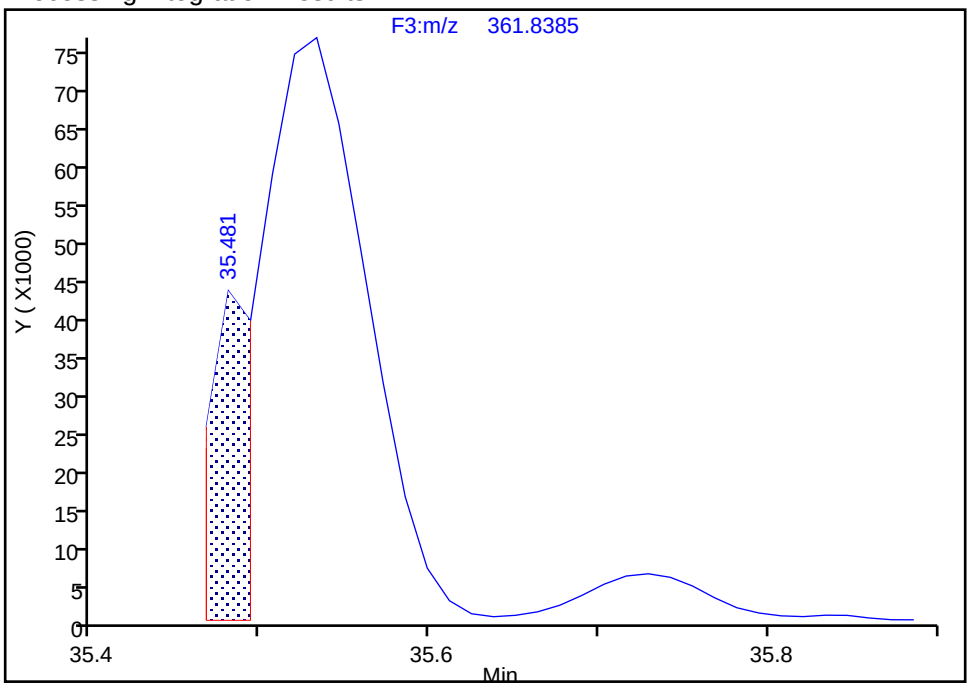
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 2

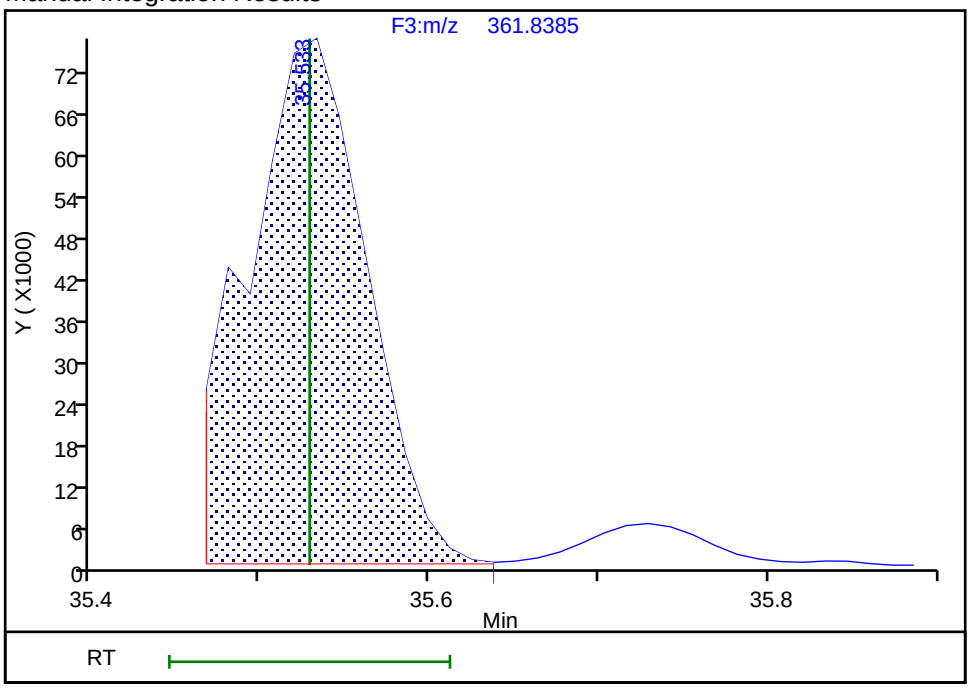
Processing Integration Results

RT: 35.48
Area: 59468
Amount: 6.151442
Amount Units: pg/ul




Manual Integration Results

RT: 35.53
Area: 372579
Amount: 39.019771
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:08:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

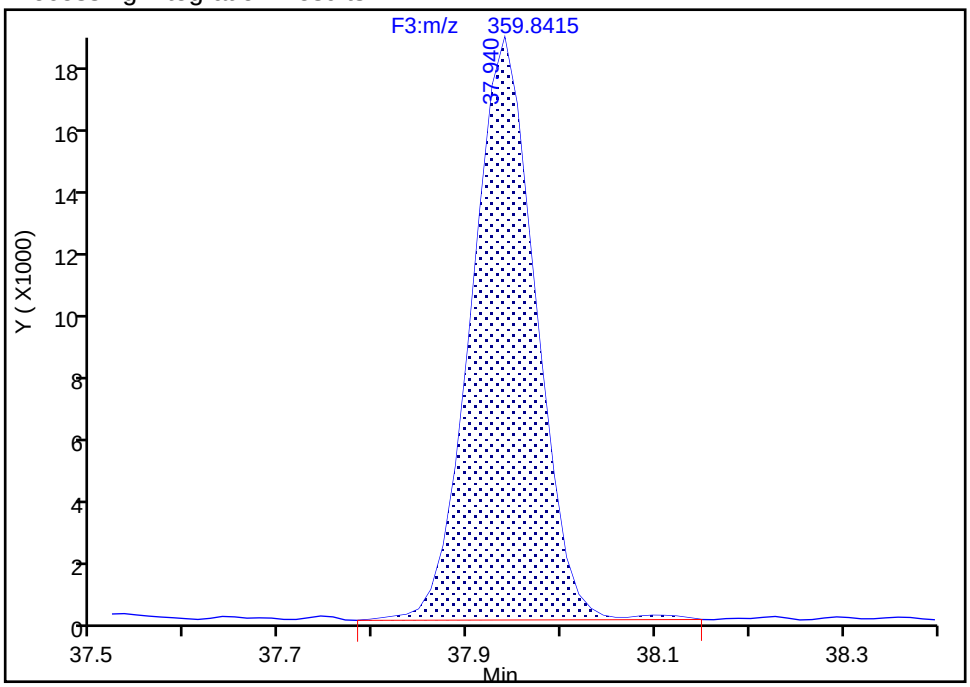
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 1

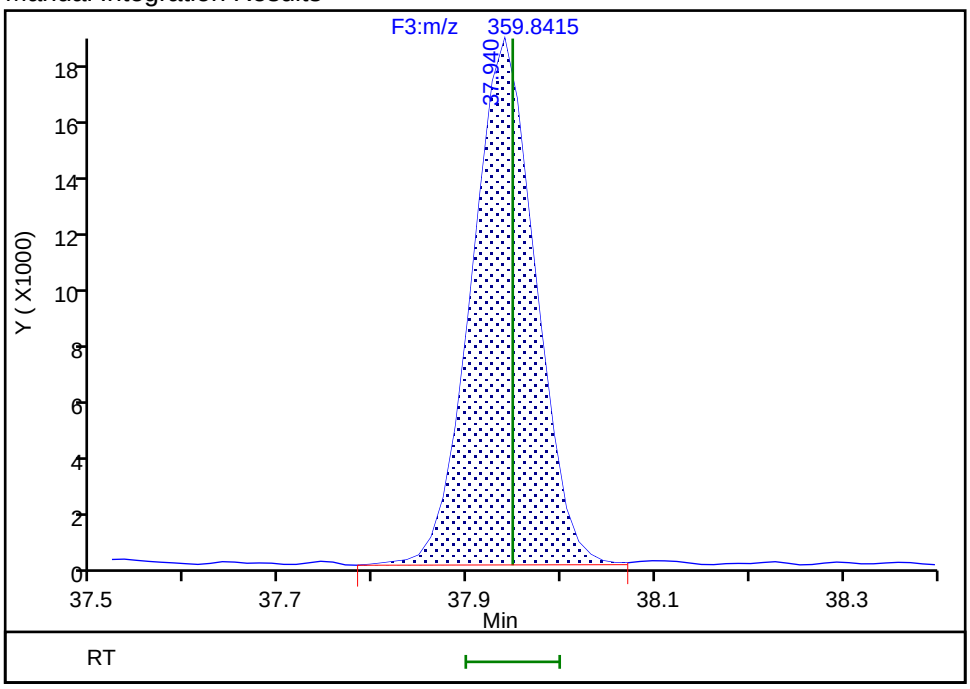
Processing Integration Results

RT: 37.94
Area: 89387
Amount: 7.051313
Amount Units: pg/ul




Manual Integration Results

RT: 37.94
Area: 88939
Amount: 7.001995
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:24:13

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

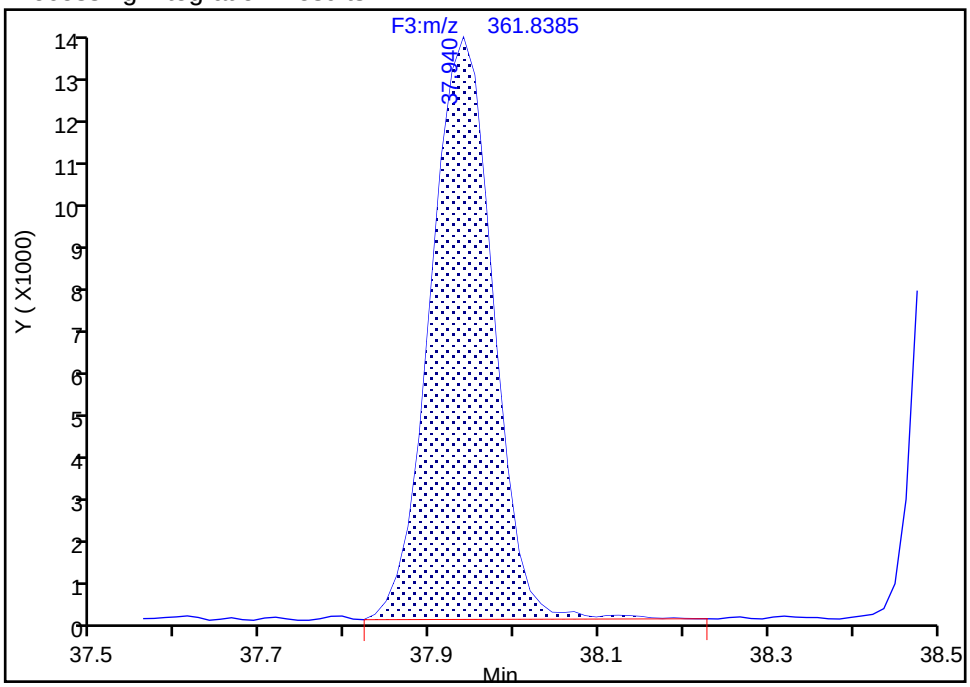
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 2

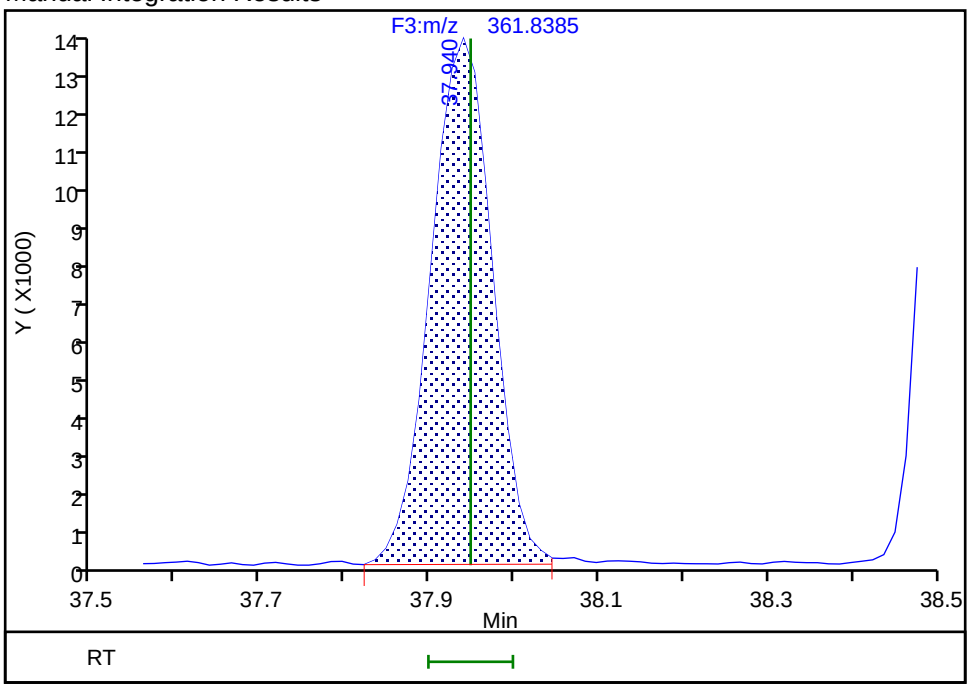
Processing Integration Results

RT: 37.94
Area: 69172
Amount: 7.051313
Amount Units: pg/ul




Manual Integration Results

RT: 37.94
Area: 68511
Amount: 7.001995
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:24:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

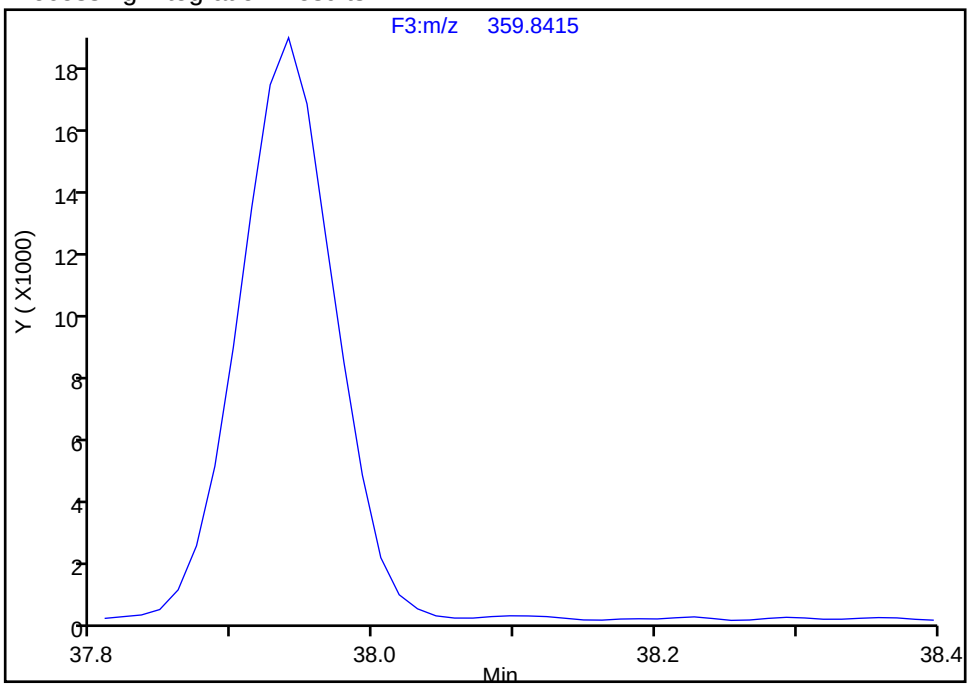
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-161, CAS: 74472-43-8

Signal: 1

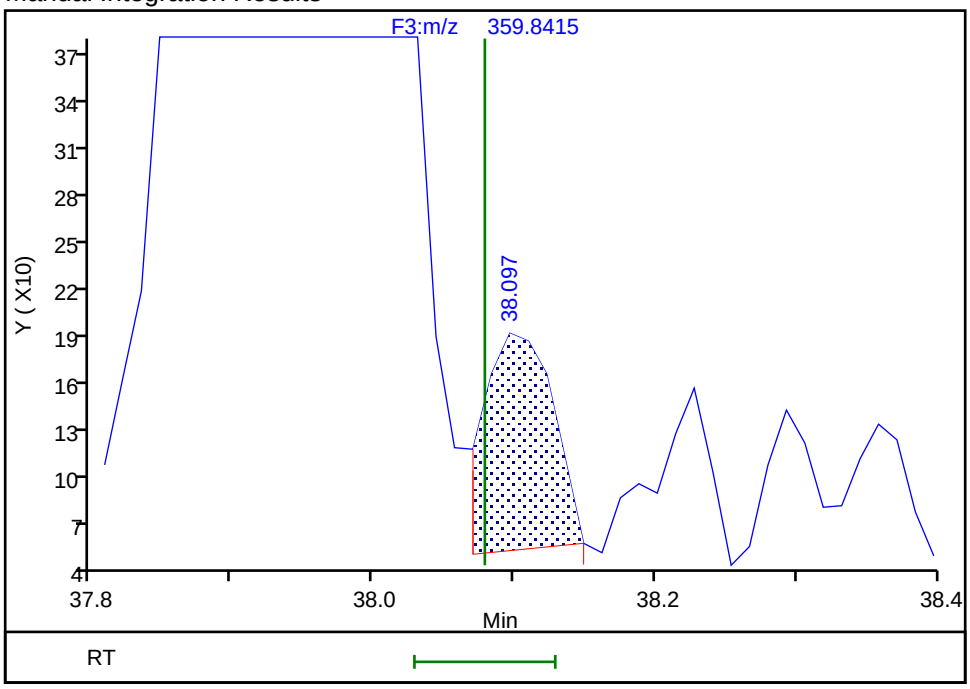
Not Detected
Expected RT: 38.08

Processing Integration Results




Manual Integration Results

RT: 38.10
Area: 458
Amount: 0.037531
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:24:27
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

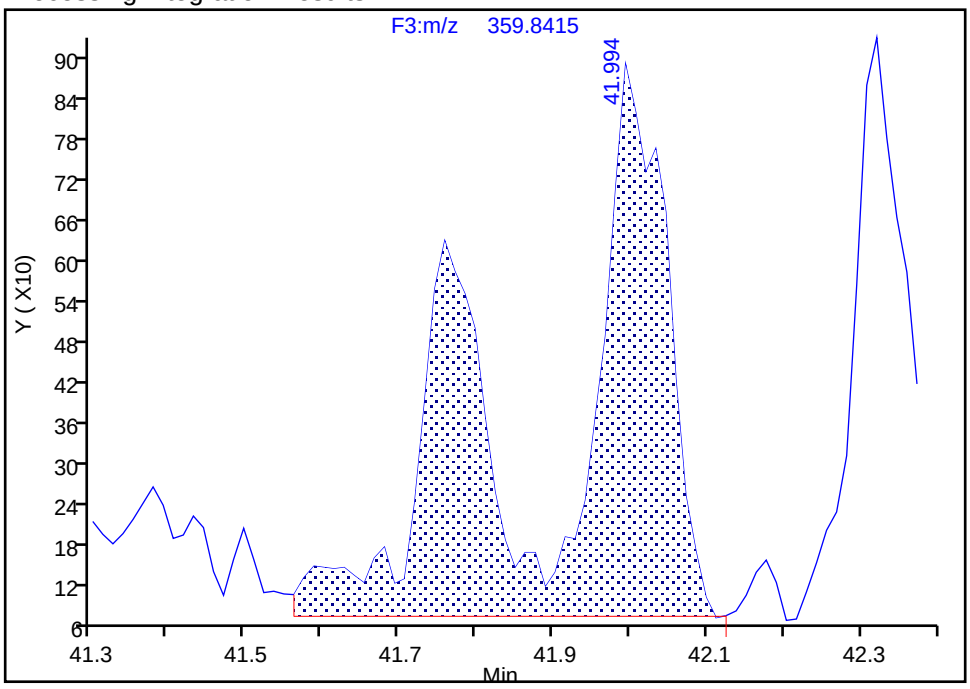
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 1

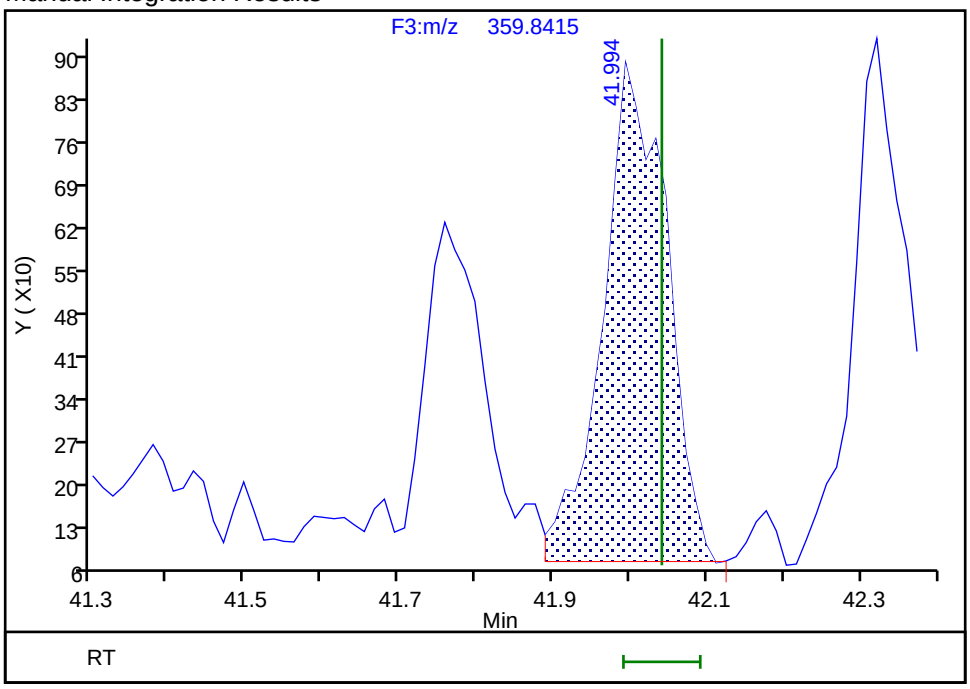
Processing Integration Results

RT: 41.99
Area: 8270
Amount: 0.496021
Amount Units: pg/ul




Manual Integration Results

RT: 41.99
Area: 4689
Amount: 0.281477
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:25:03
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

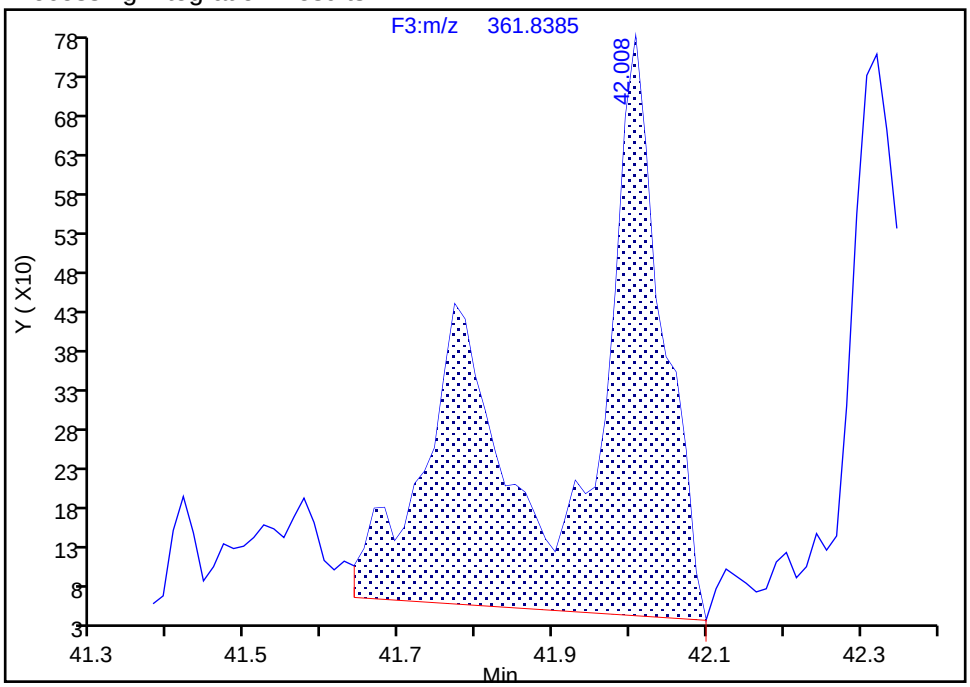
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-159, CAS: 39635-35-3

Signal: 2

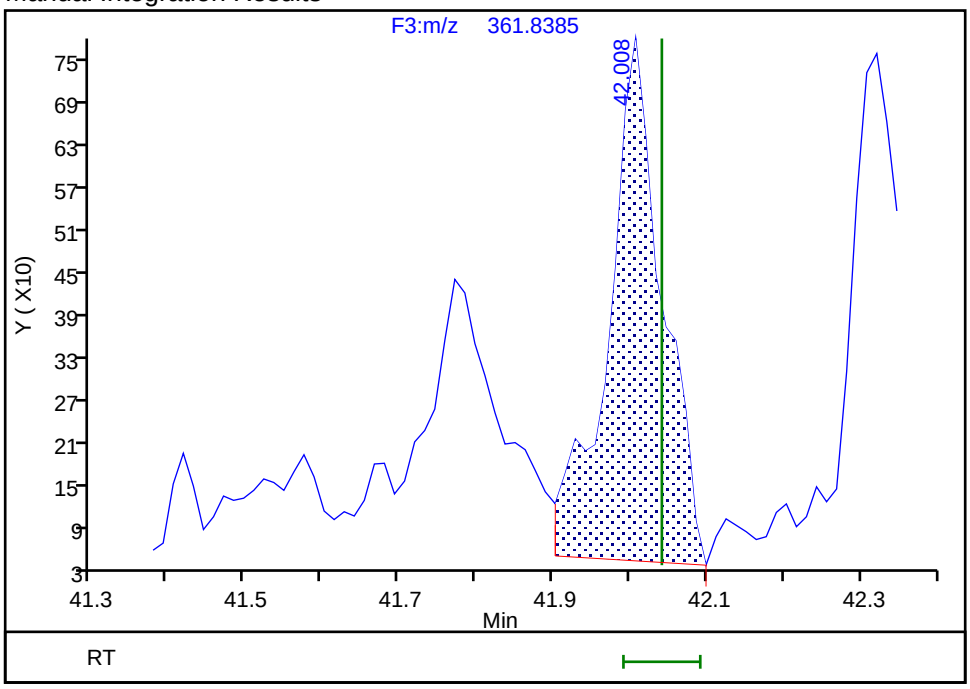
Processing Integration Results

RT: 42.01
Area: 6307
Amount: 0.496021
Amount Units: pg/ul




Manual Integration Results

RT: 42.01
Area: 3583
Amount: 0.281477
Amount Units: pg/ul

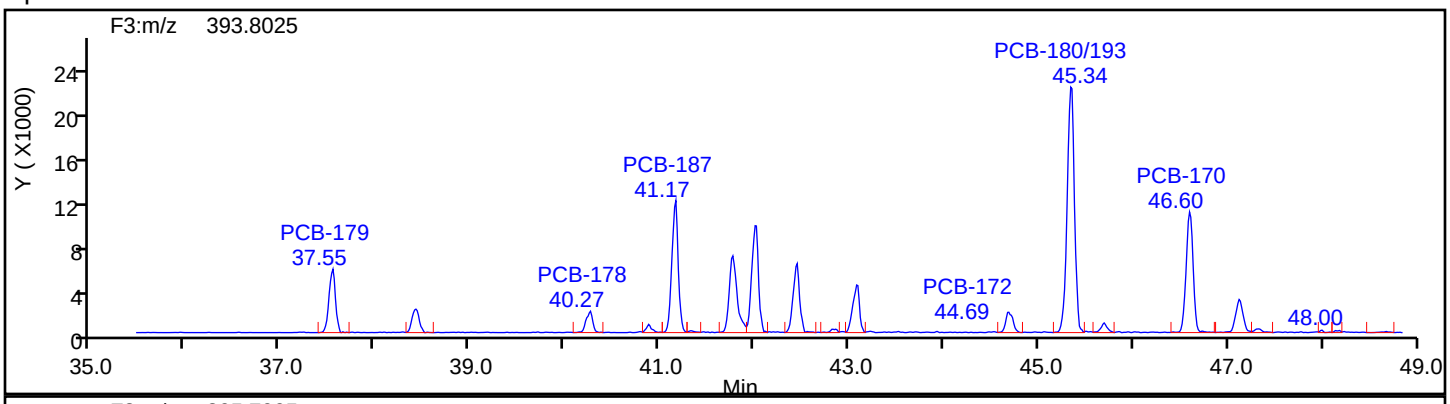


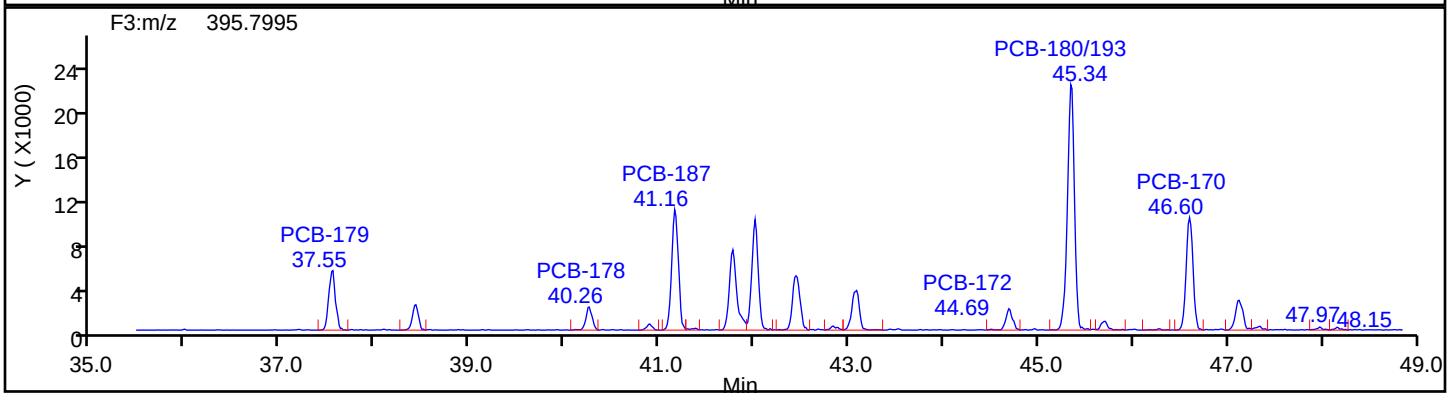

Reviewer: layk, 04-Oct-2019 10:25:06
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

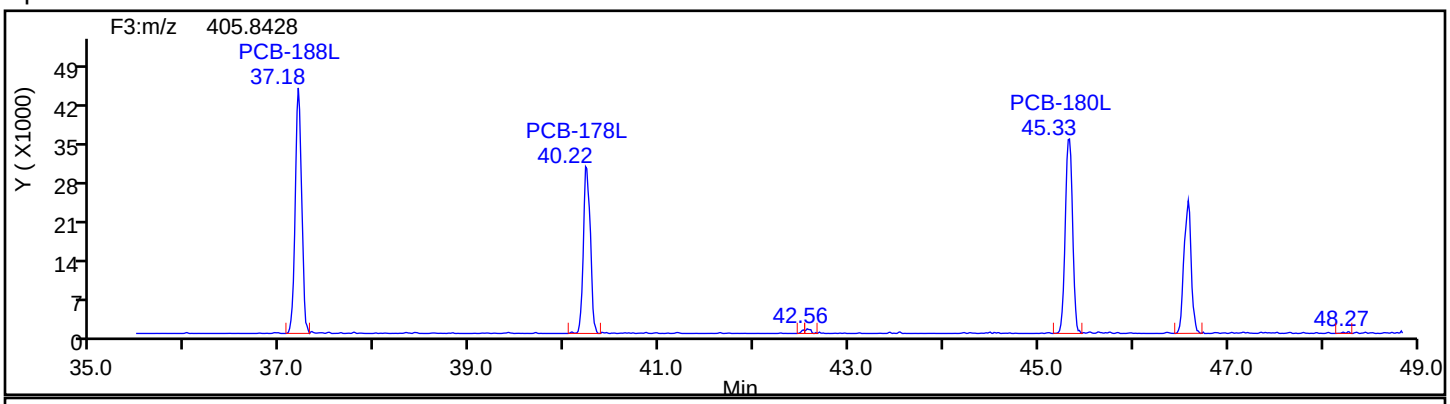
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

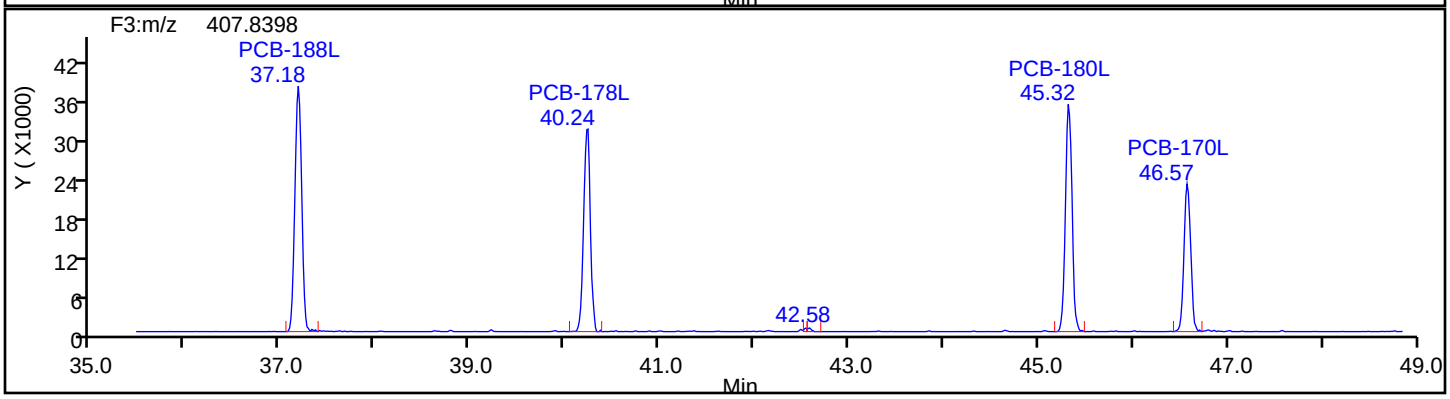
HpPCB F3




HpPCB F3 Standards

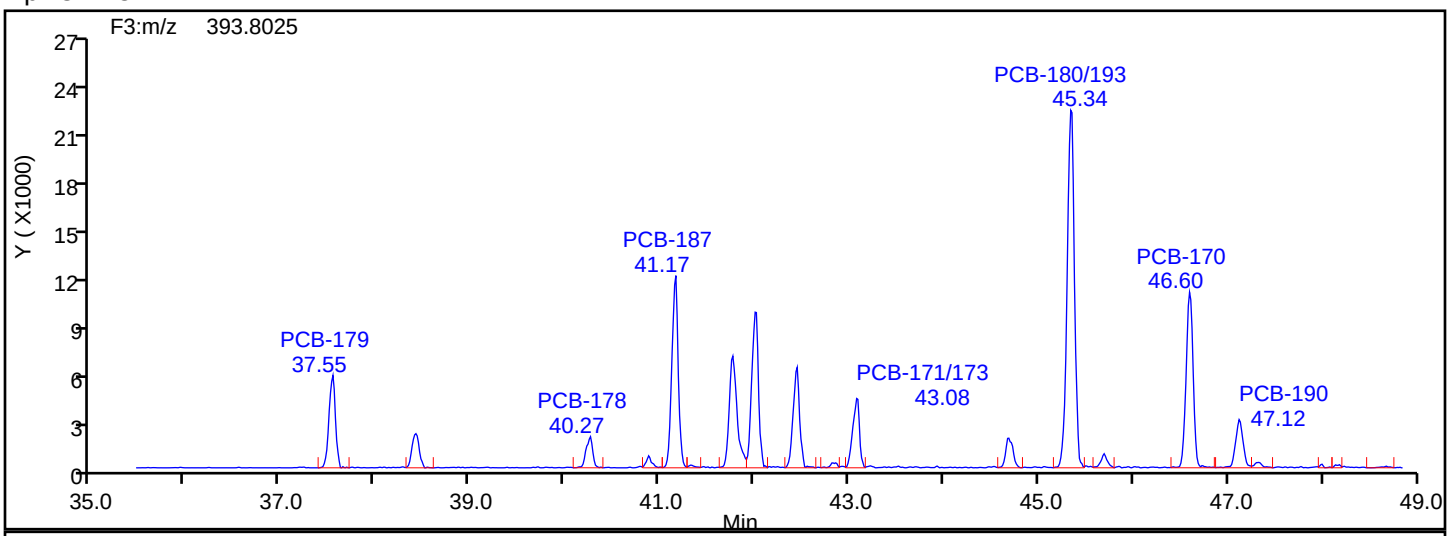


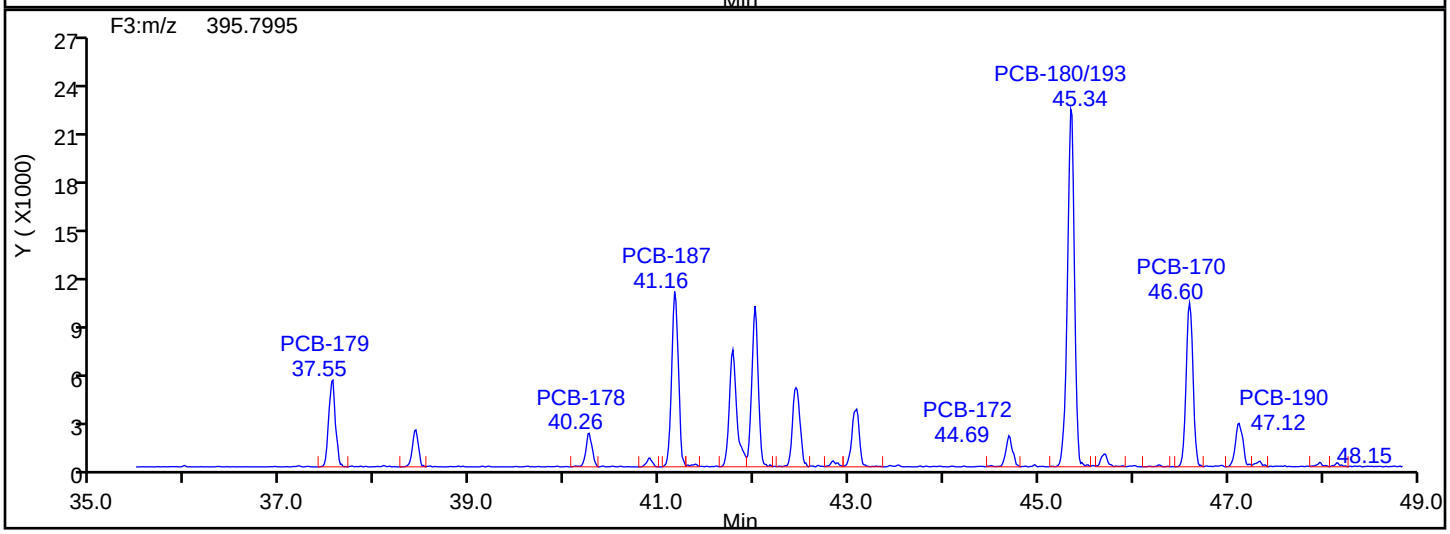



Eurofins TestAmerica, Knoxville

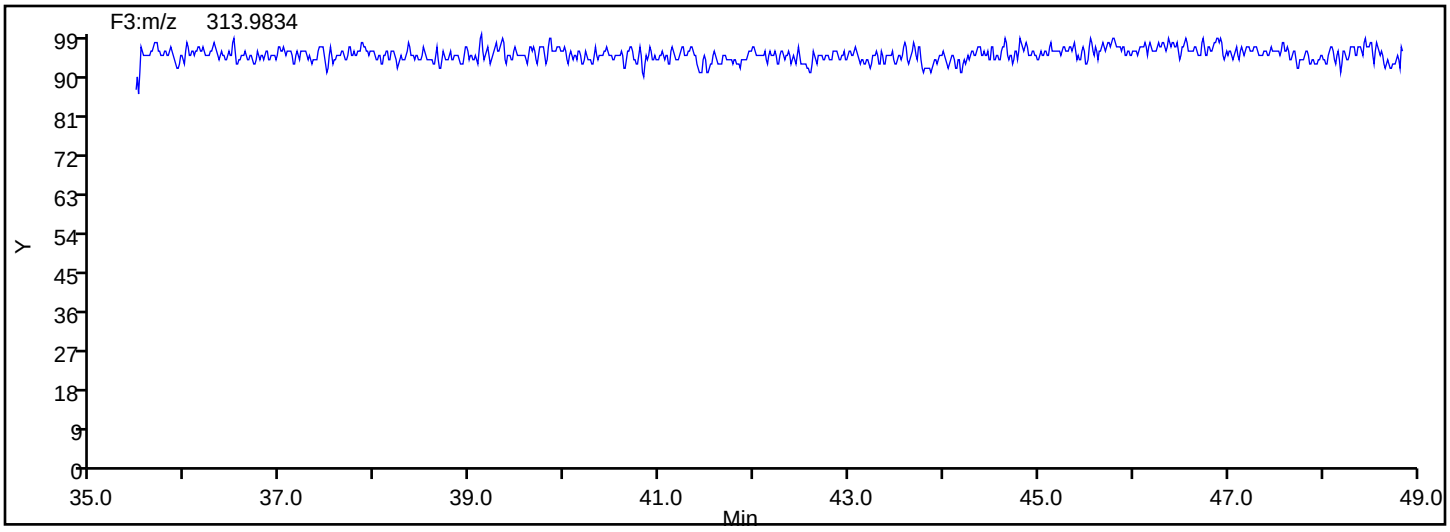
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

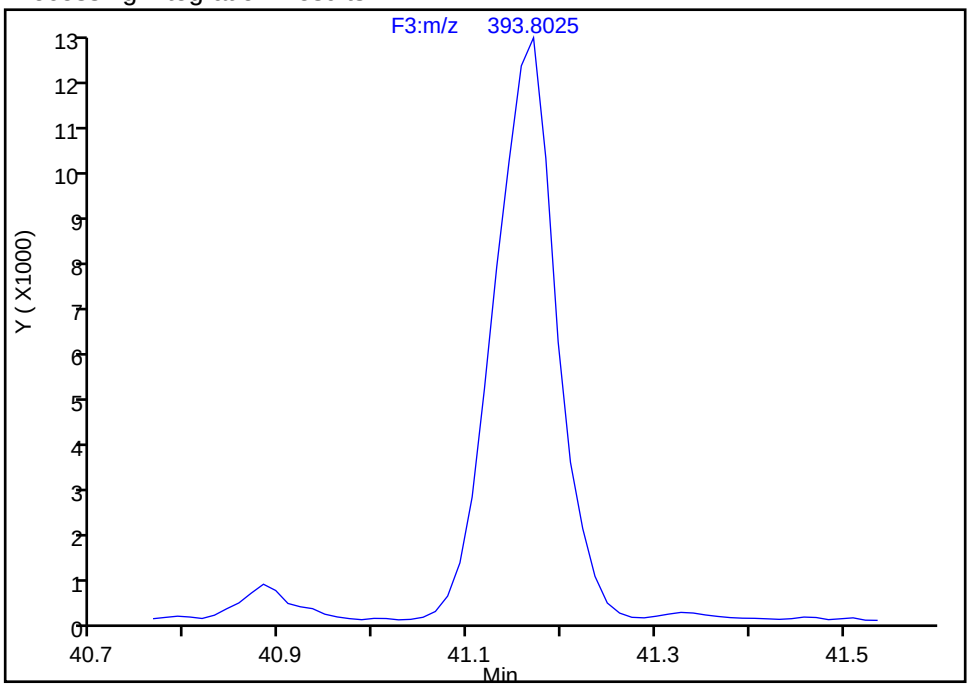
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-187, CAS: 52663-68-0

Signal: 1

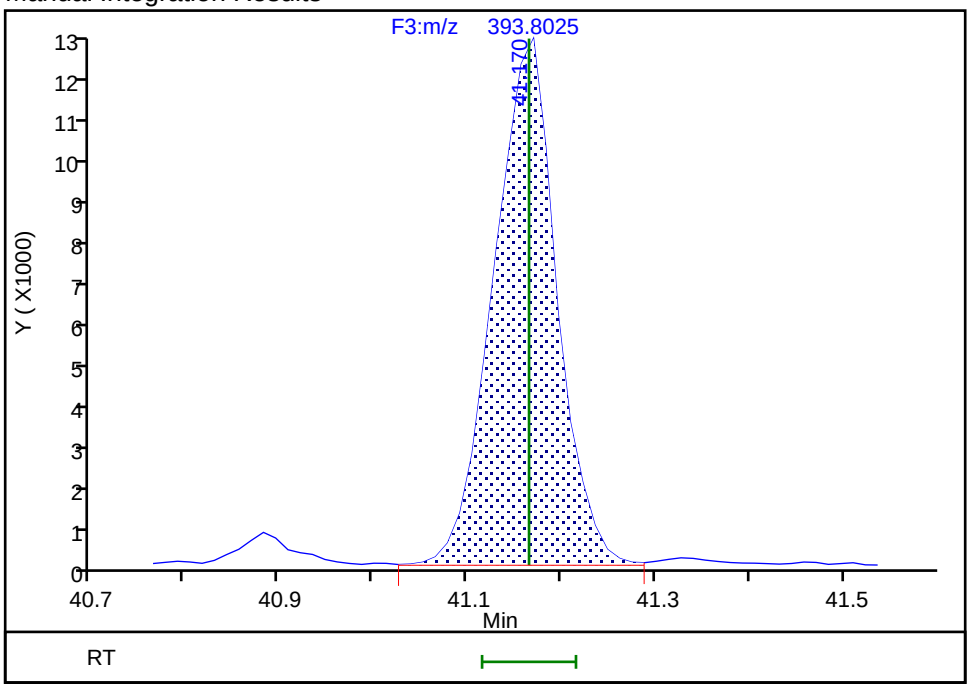
Not Detected
Expected RT: 41.17

Processing Integration Results




Manual Integration Results

RT: 41.17
Area: 55950
Amount: 6.157420
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:26:32
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

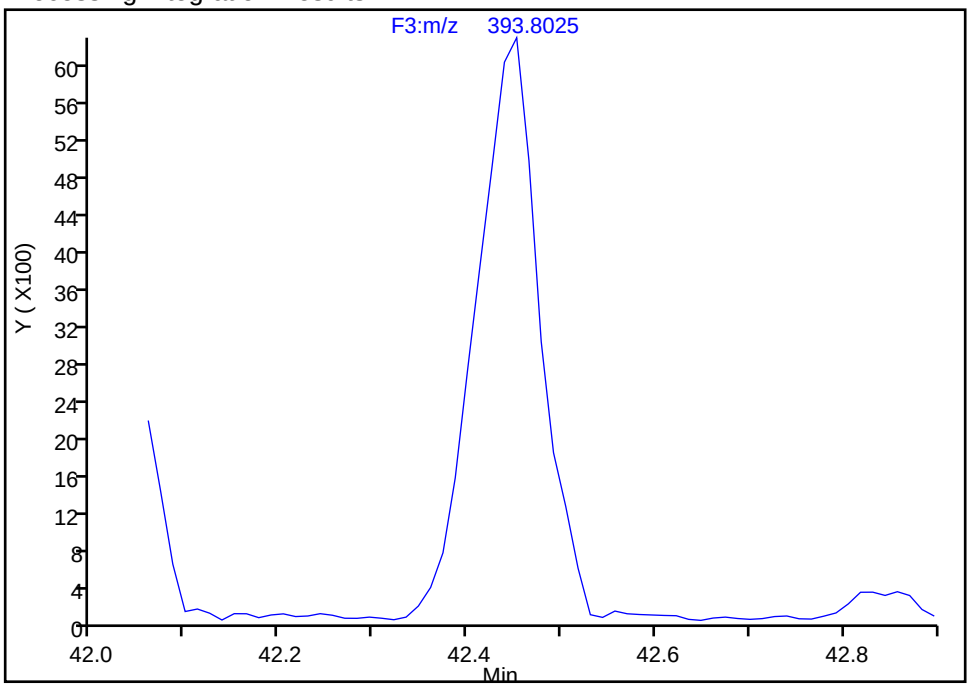
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-177, CAS: 52663-70-4

Signal: 1

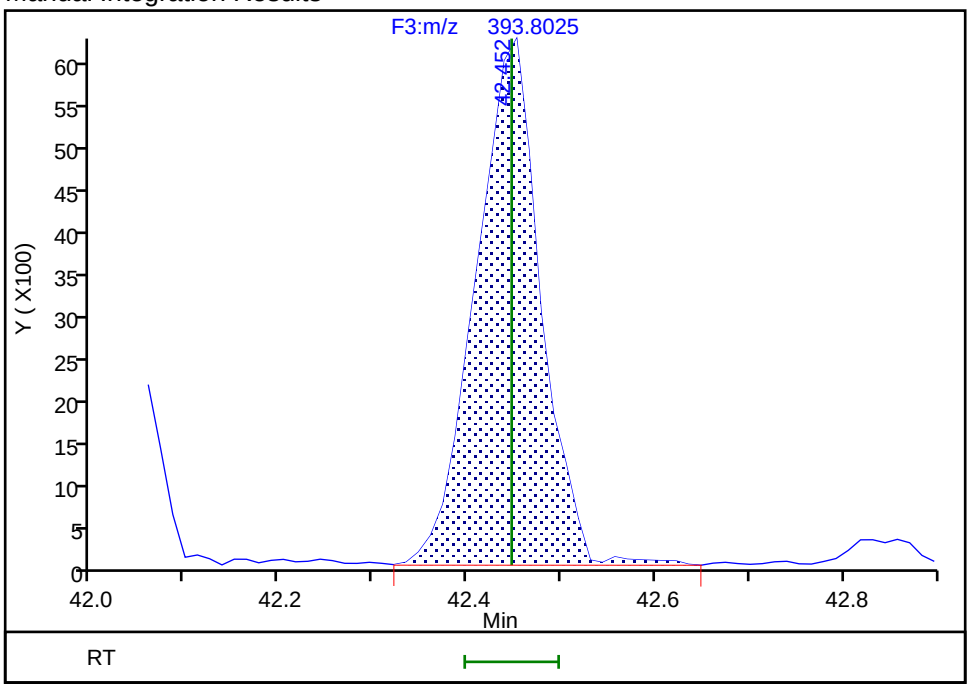
Not Detected
Expected RT: 42.45

Processing Integration Results




Manual Integration Results

RT: 42.45
Area: 30150
Amount: 3.817632
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:26:39
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

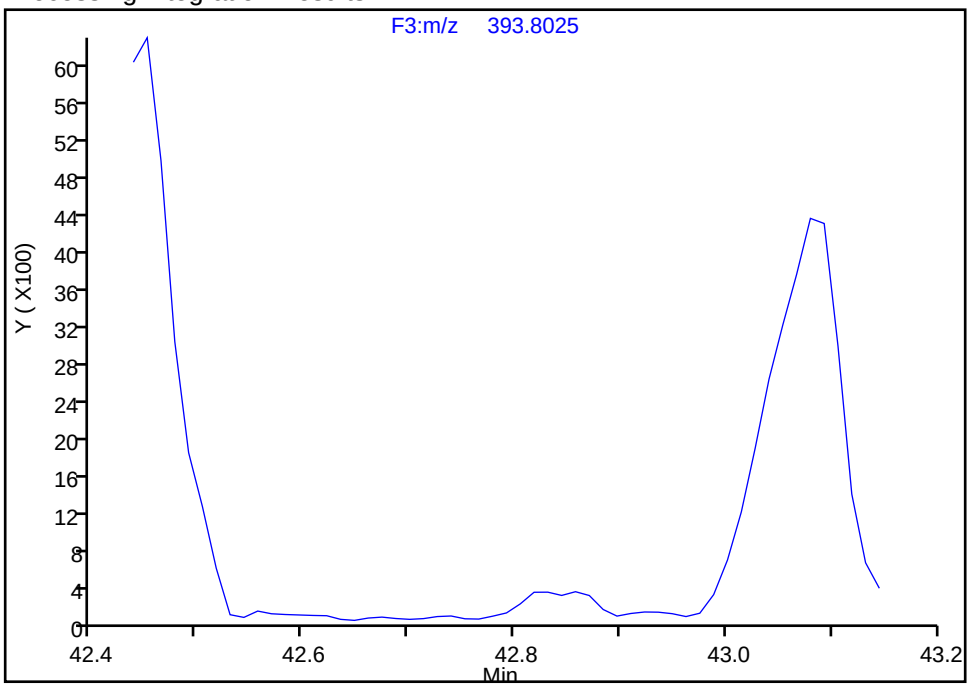
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-181, CAS: 74472-47-2

Signal: 1

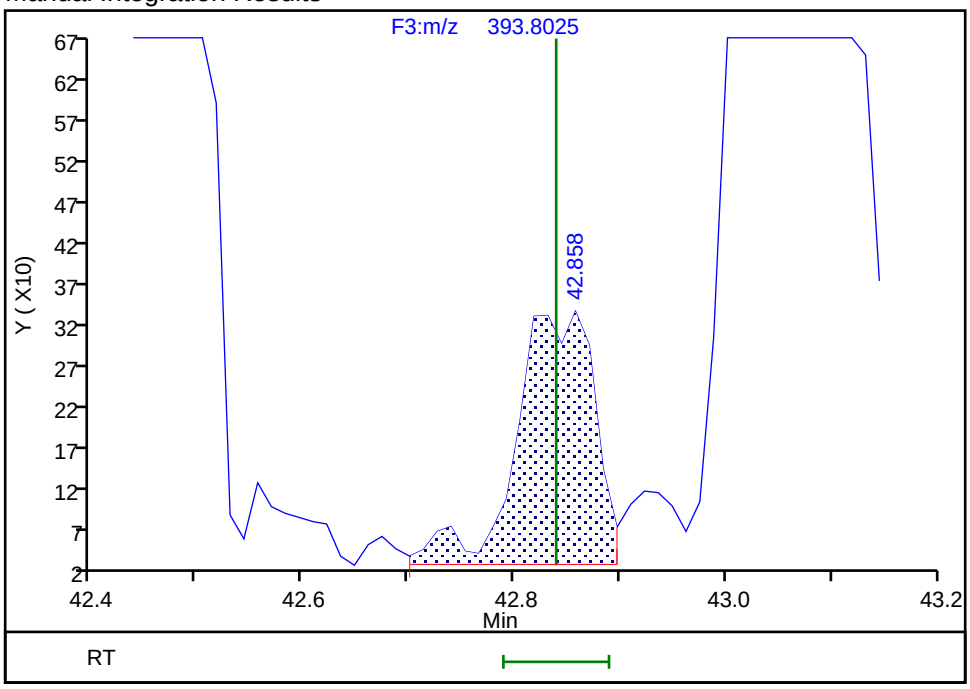
Not Detected
Expected RT: 42.84

Processing Integration Results




Manual Integration Results

RT: 42.86
Area: 1583
Amount: 0.194290
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:26:58
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

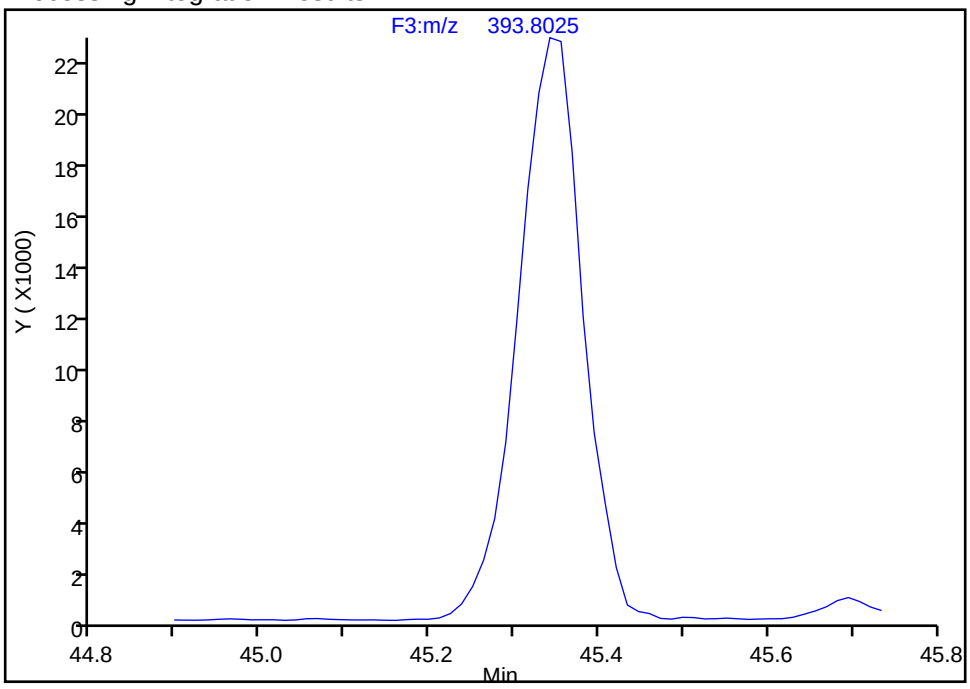
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

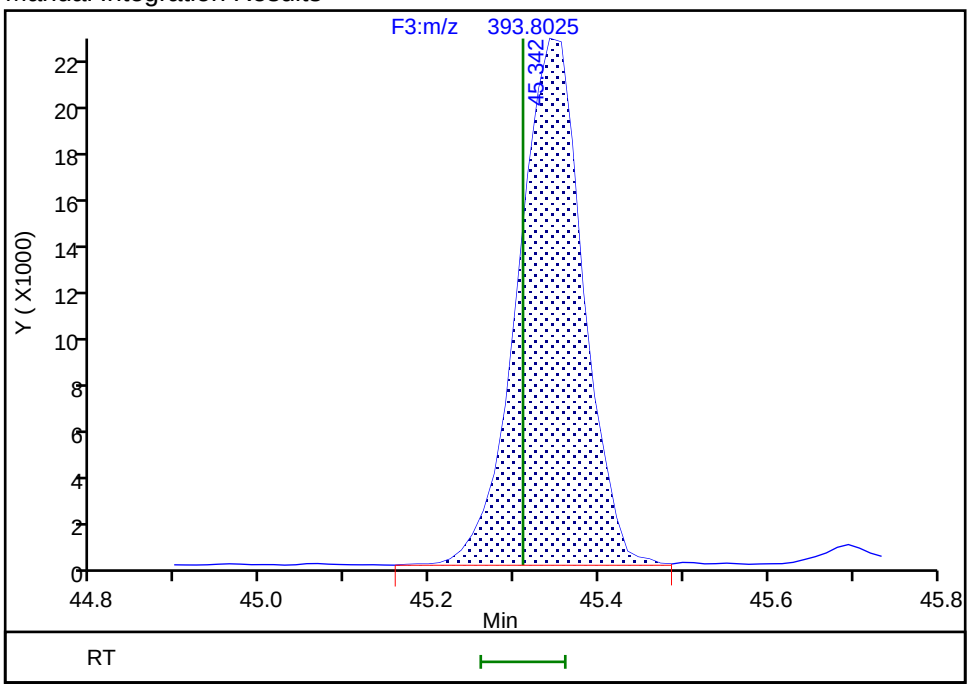
Not Detected
Expected RT: 45.31

Processing Integration Results




Manual Integration Results

RT: 45.34
Area: 119721
Amount: 11.877791
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:27:20
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

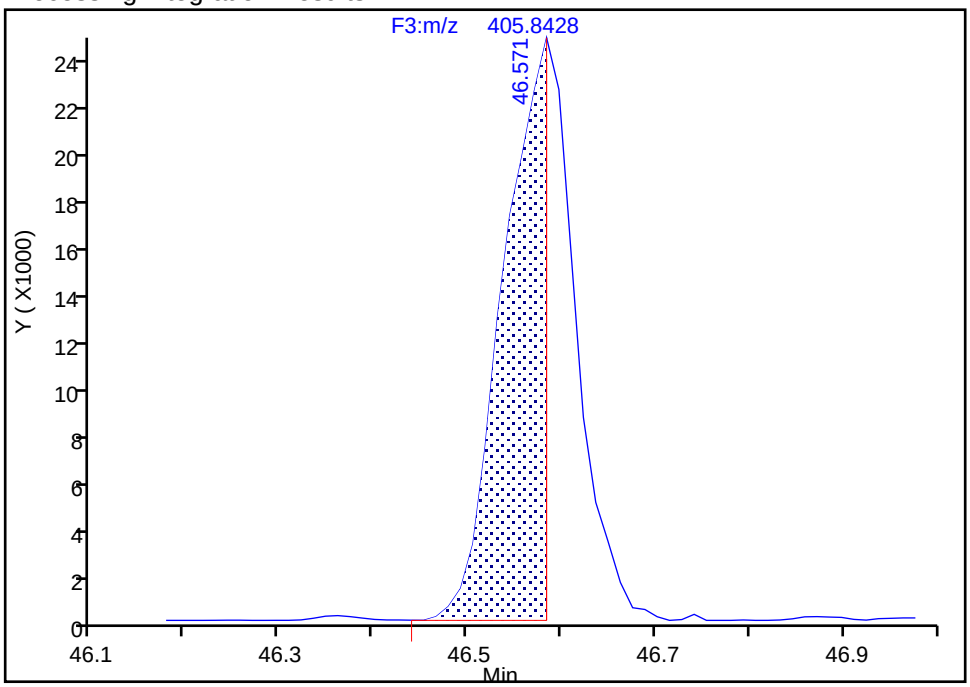
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-170L, CAS: 160901-80-4

Signal: 1

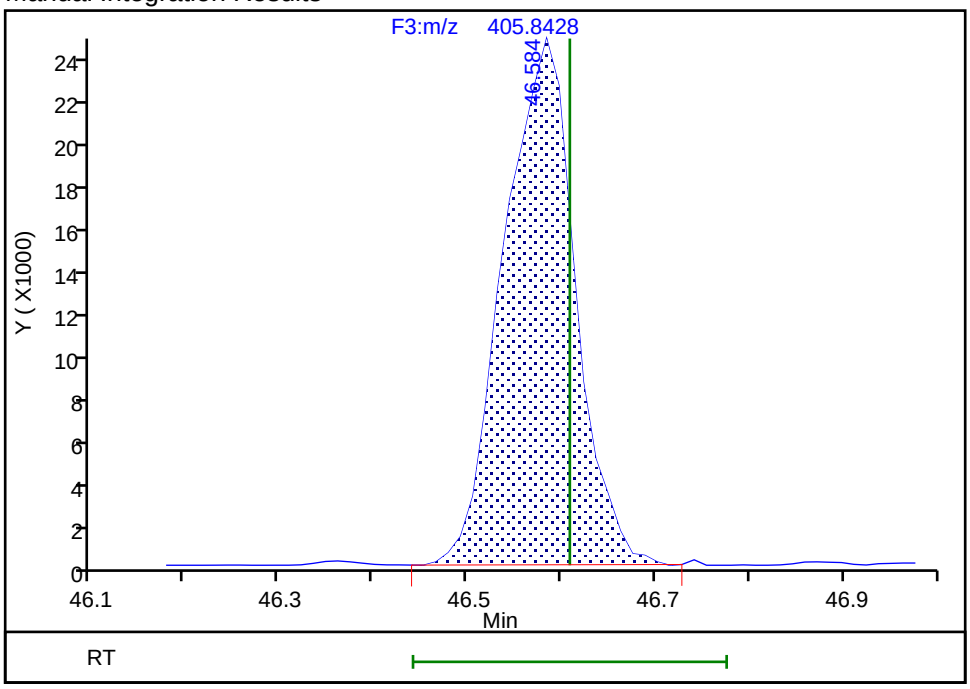
Processing Integration Results

RT: 46.57
Area: 74341
Amount: 12.422878
Amount Units: pg/ul




Manual Integration Results

RT: 46.58
Area: 127636
Amount: 15.934628
Amount Units: pg/ul



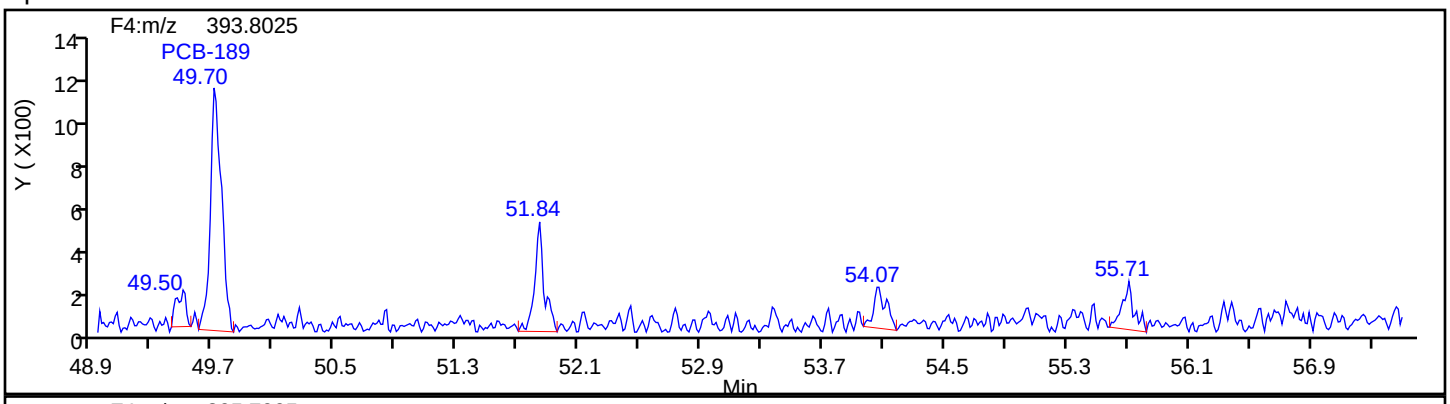

Reviewer: layk, 04-Oct-2019 10:25:42

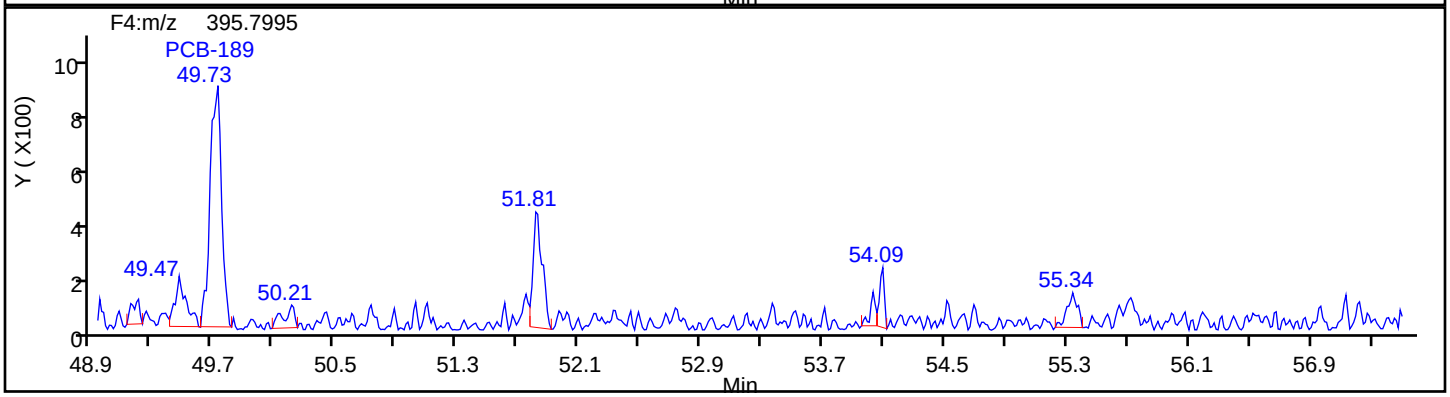
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

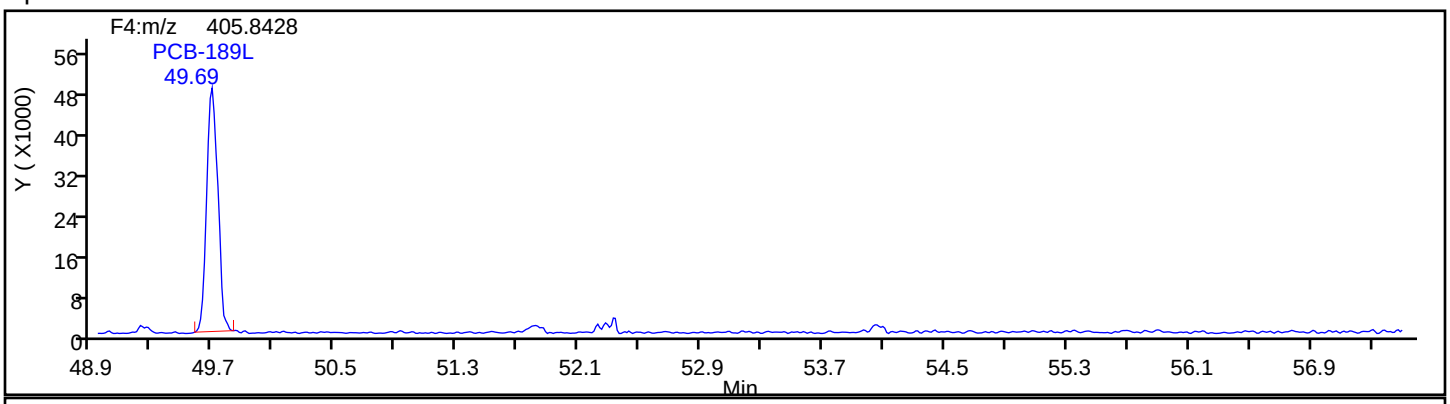
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

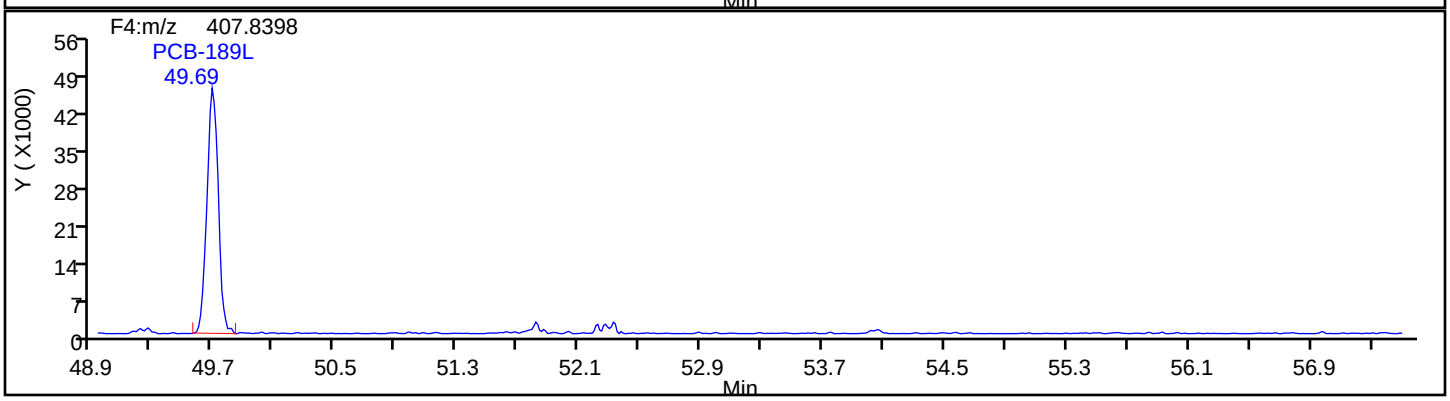
HpPCB F4




HpPCB F4 Standards

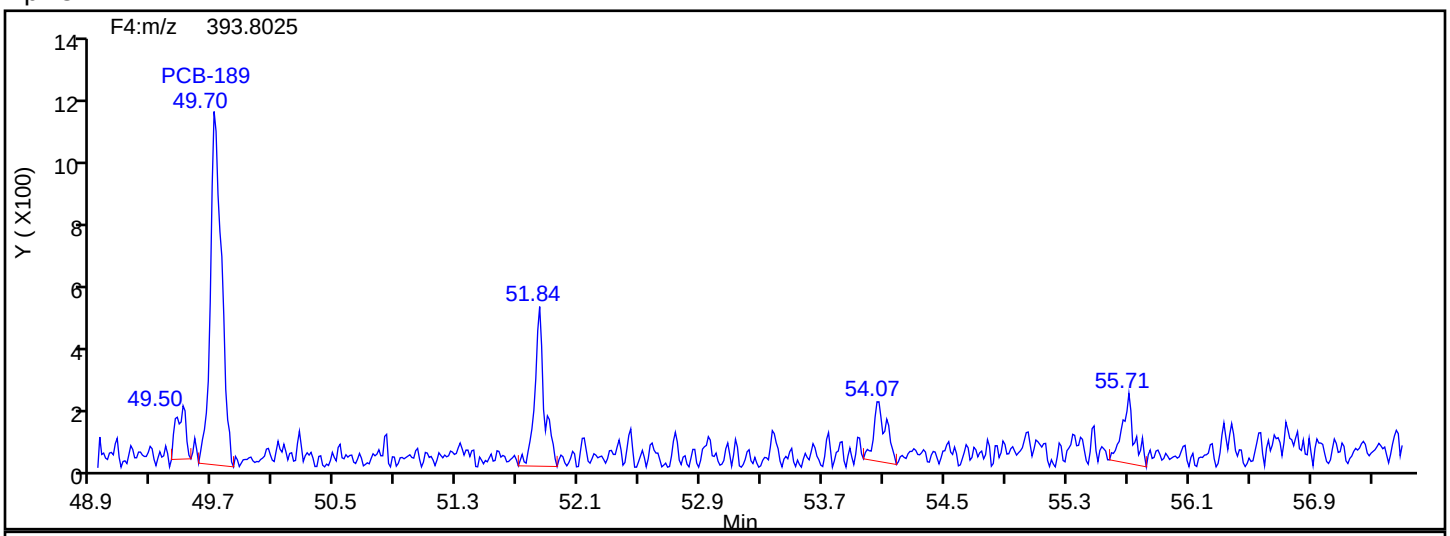


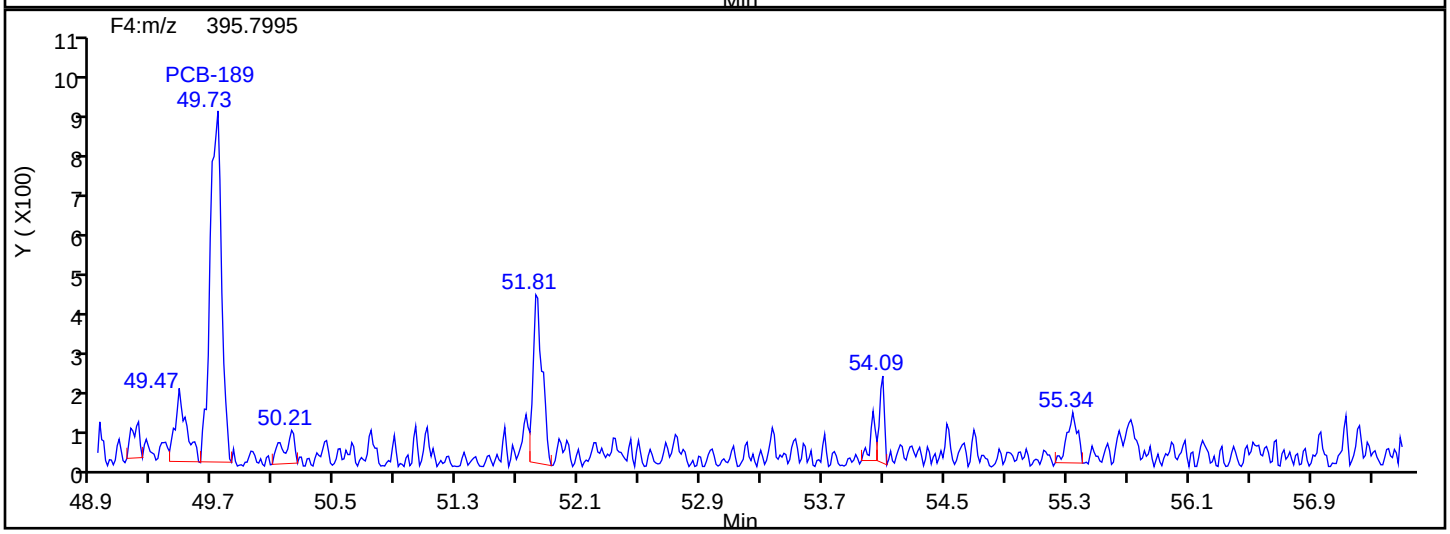



Eurofins TestAmerica, Knoxville

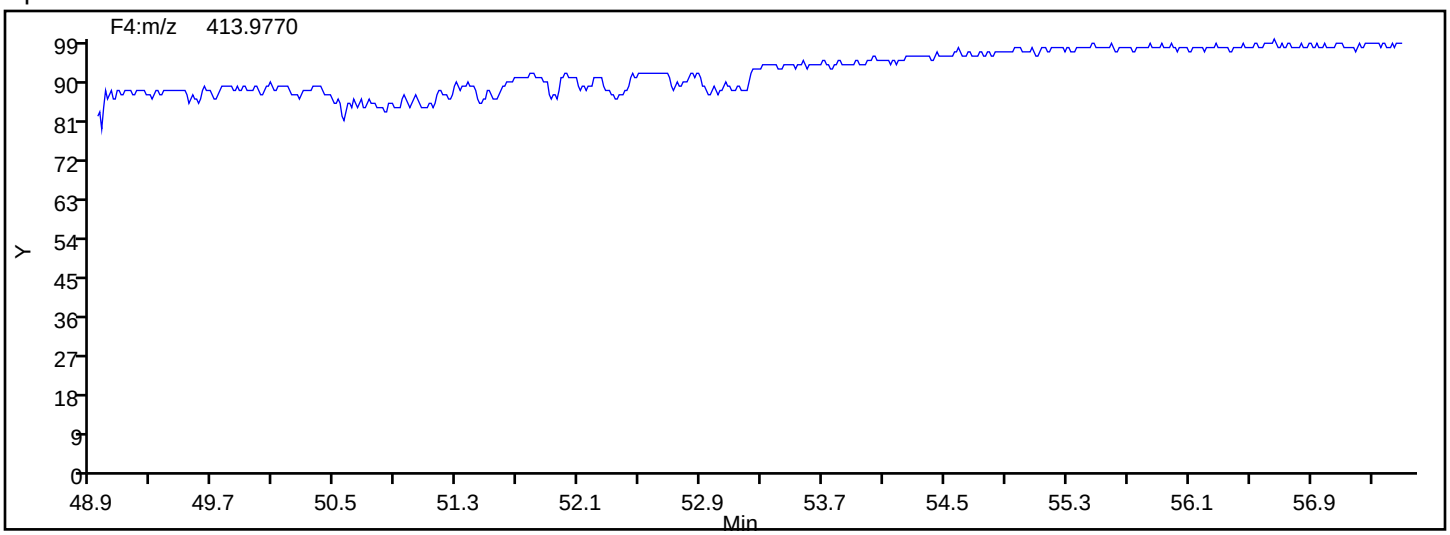
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

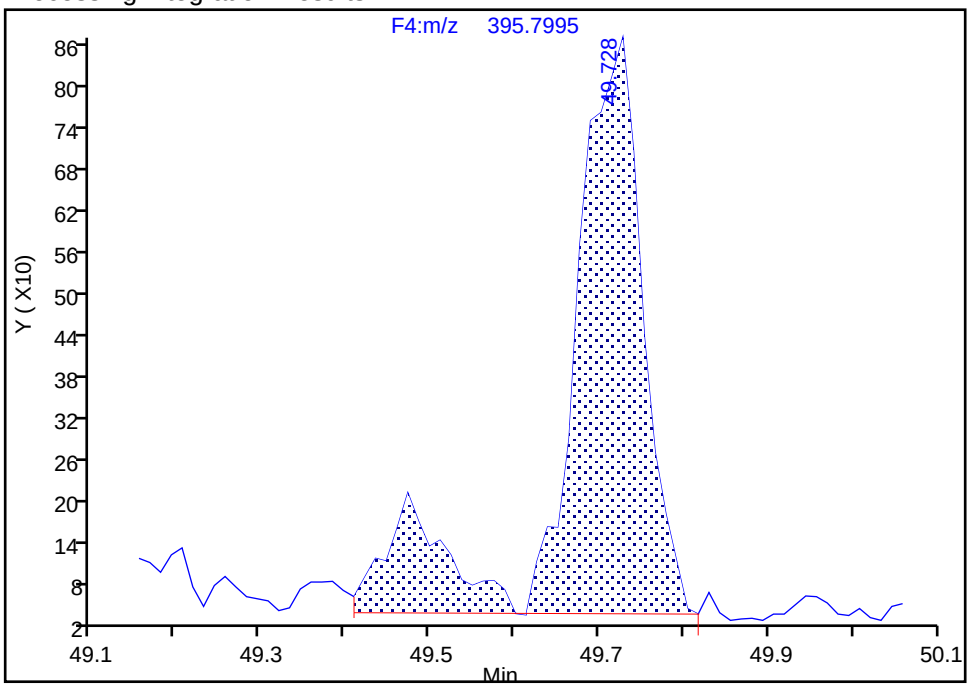
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-189, CAS: 39635-31-9

Signal: 2

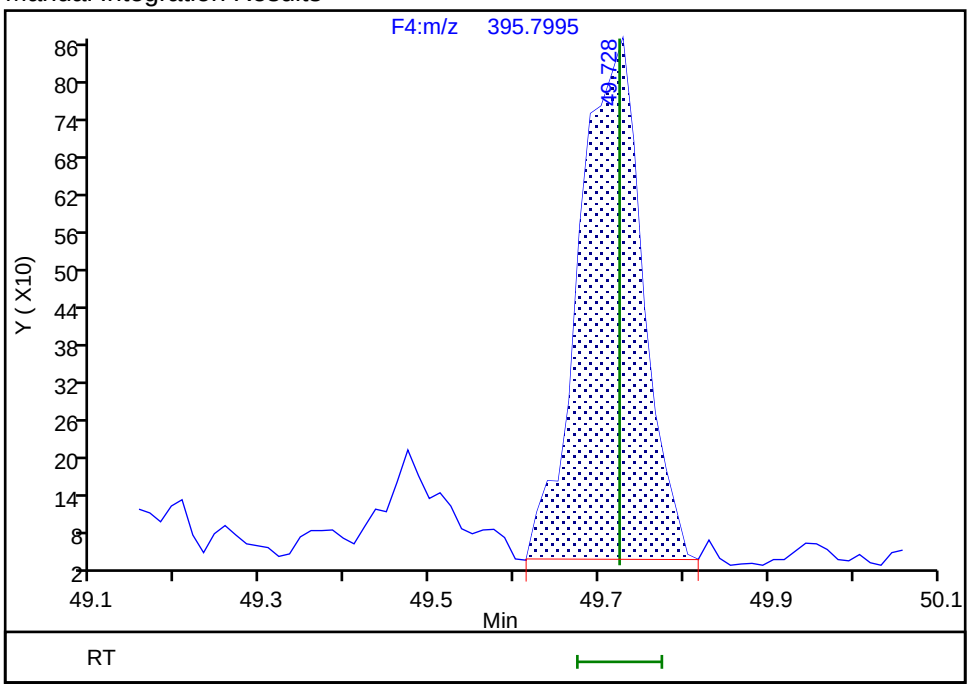
Processing Integration Results

RT: 49.73
Area: 5176
Amount: 0.337244
Amount Units: pg/ul




Manual Integration Results

RT: 49.73
Area: 4309
Amount: 0.309514
Amount Units: pg/ul

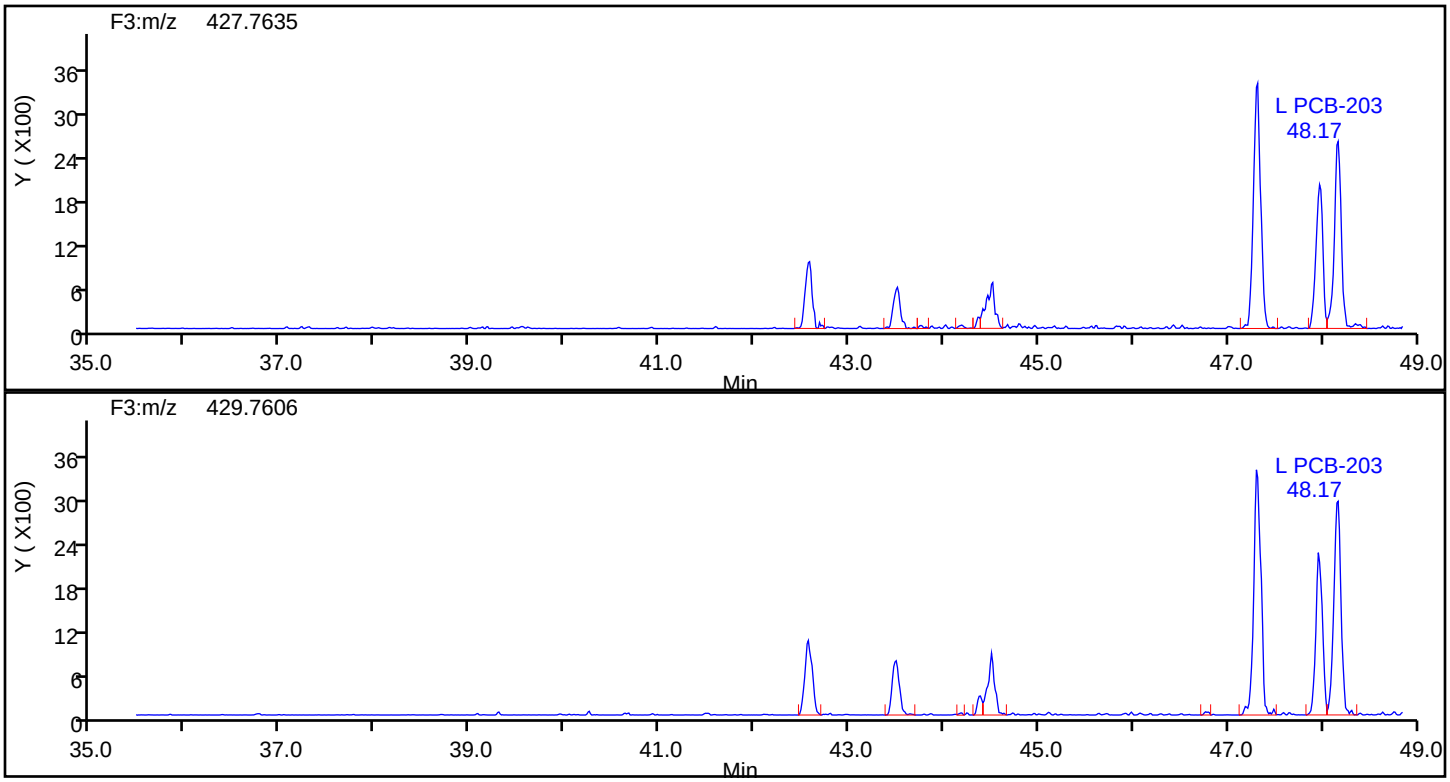



Reviewer: layk, 04-Oct-2019 10:27:47
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

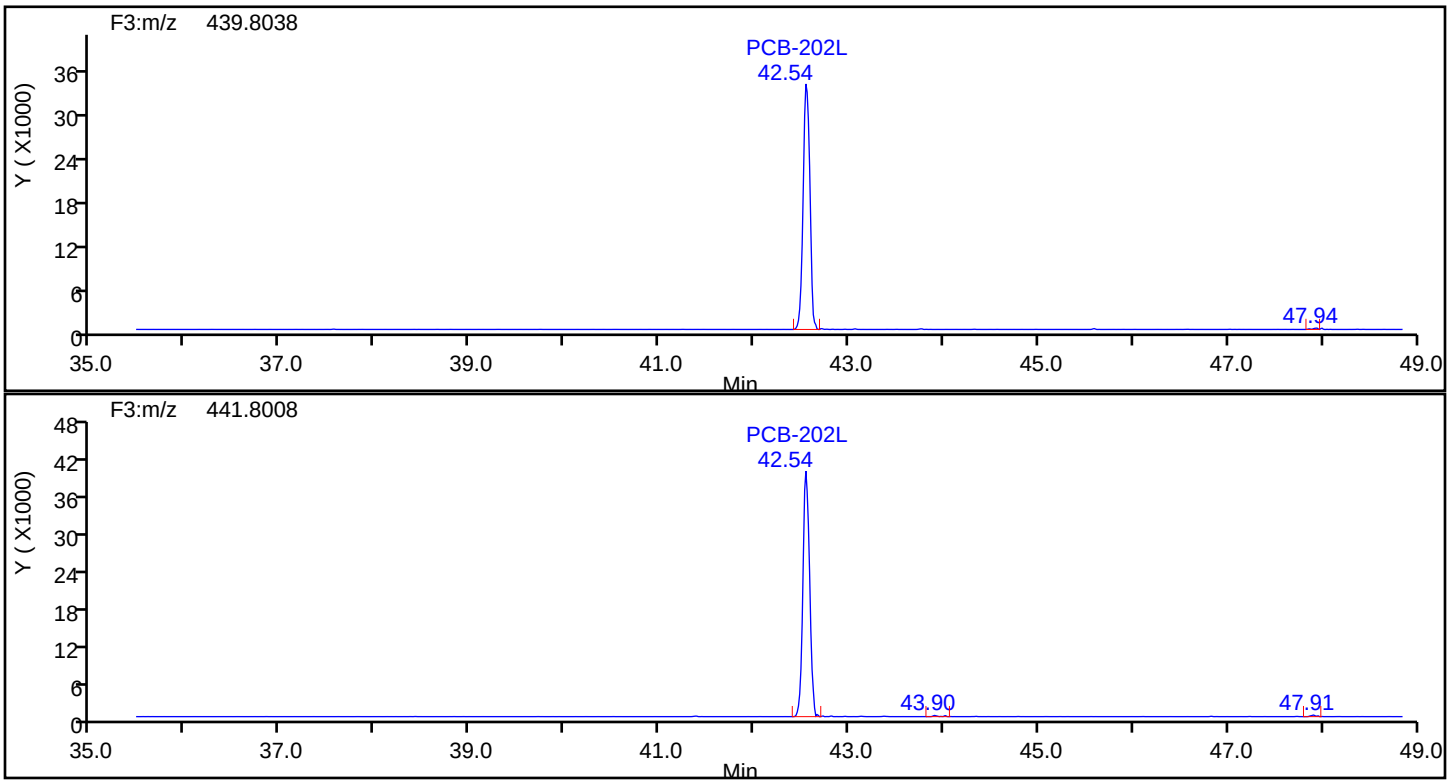
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



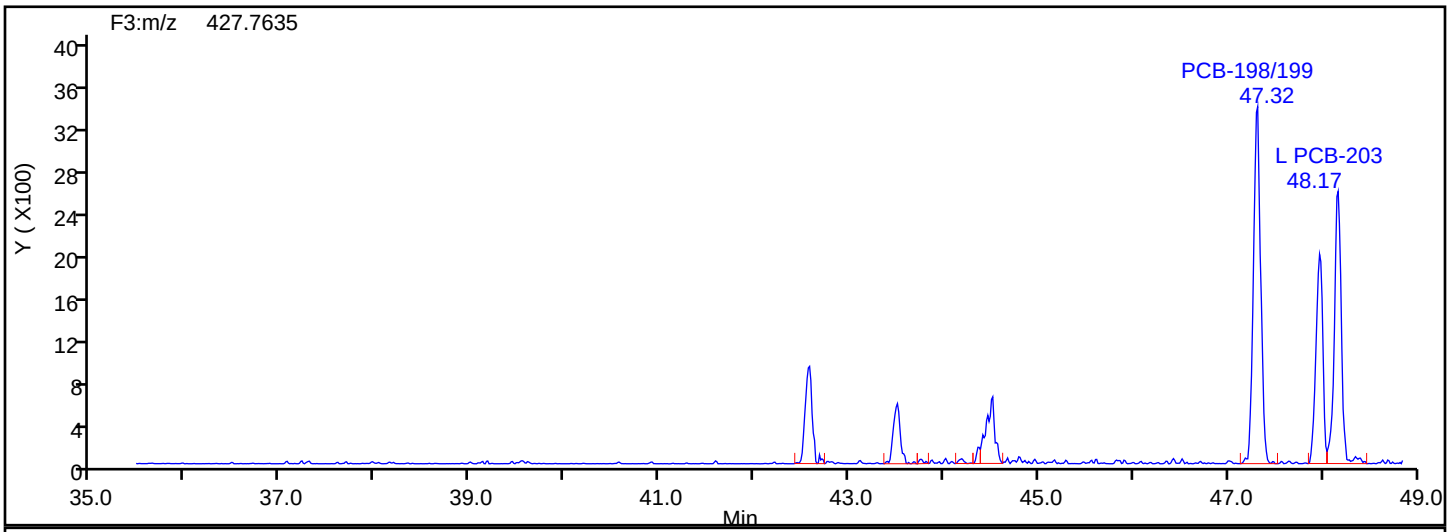

OcPCB F3 Standards

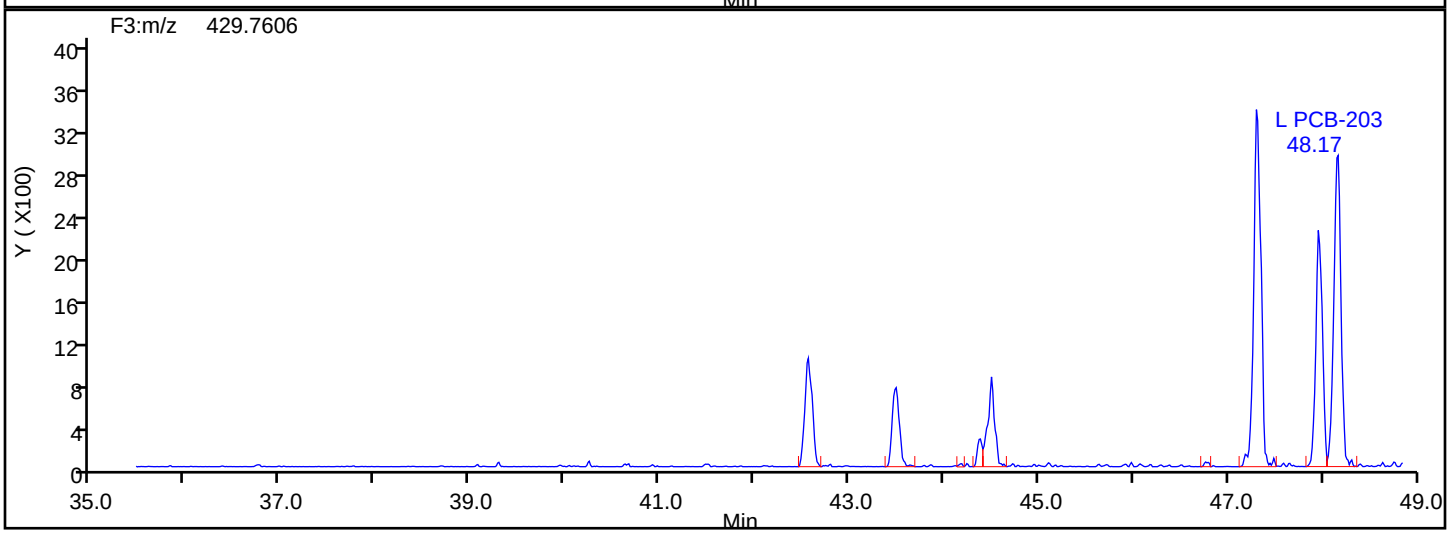


Eurofins TestAmerica, Knoxville

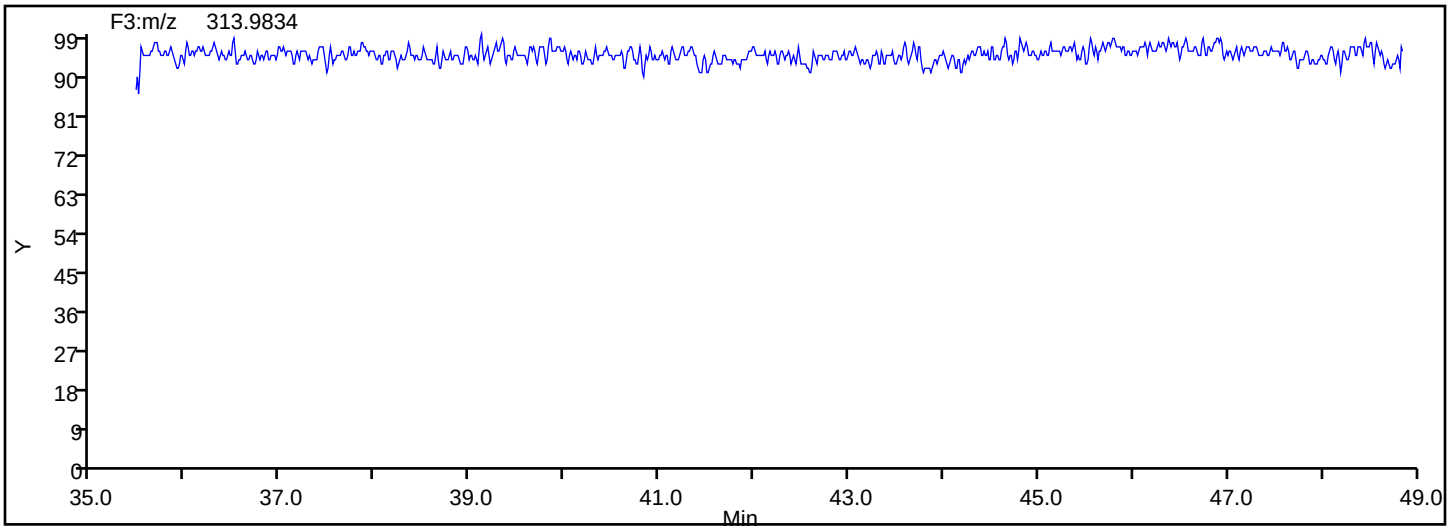
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

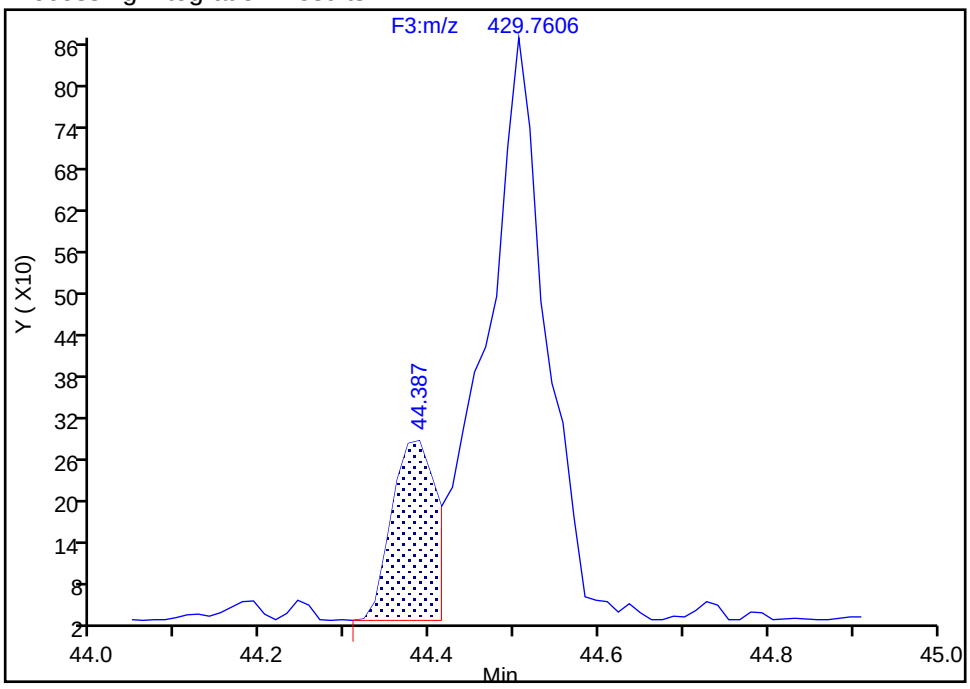
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 2

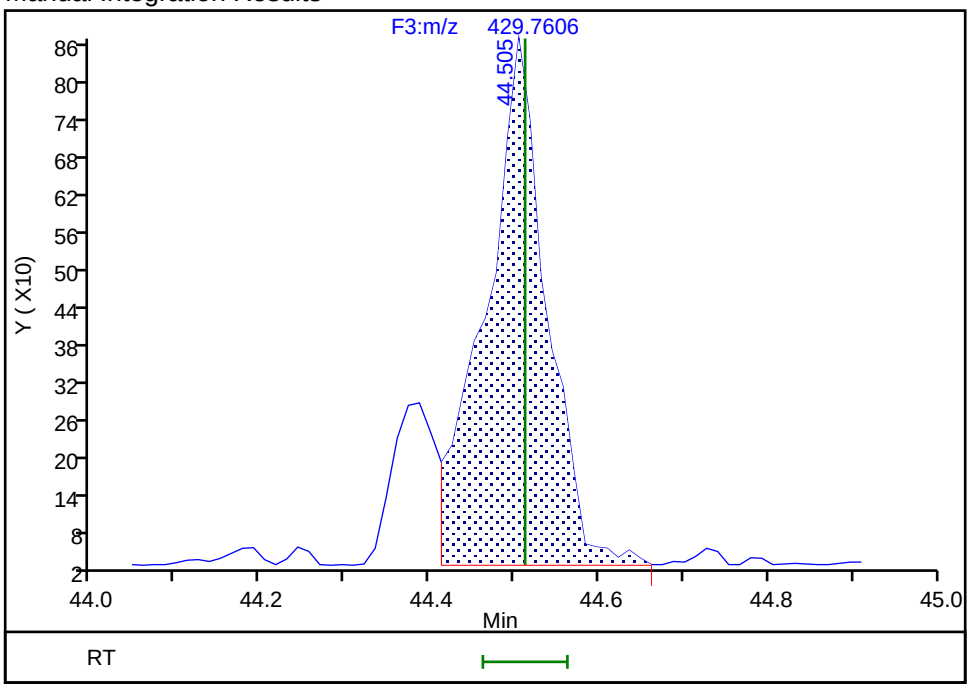
Processing Integration Results

RT: 44.39
Area: 901
Amount: 0.069852
Amount Units: pg/ul




Manual Integration Results

RT: 44.50
Area: 4218
Amount: 0.405445
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:29:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

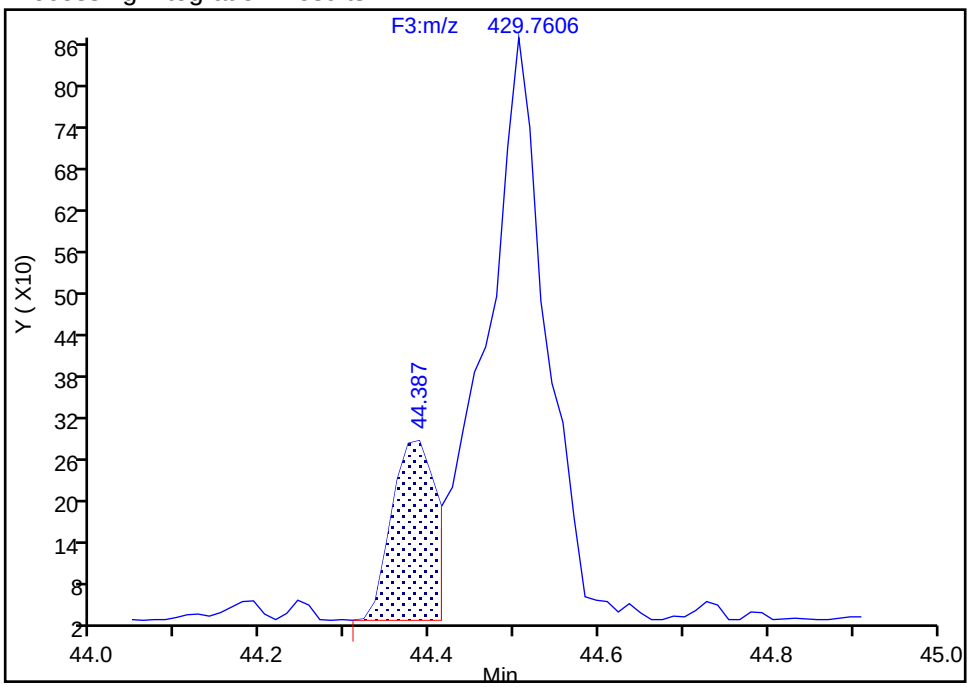
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 3

Processing Integration Results

RT: 44.41
Area: 1416
Amount: 0.069852
Amount Units: pg/ul




Manual Integration Results

RT: 44.52
Area: 8219
Amount: 0.405445
Amount Units: pg/ul
Reviewer: layk, 04-Oct-2019 10:29:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

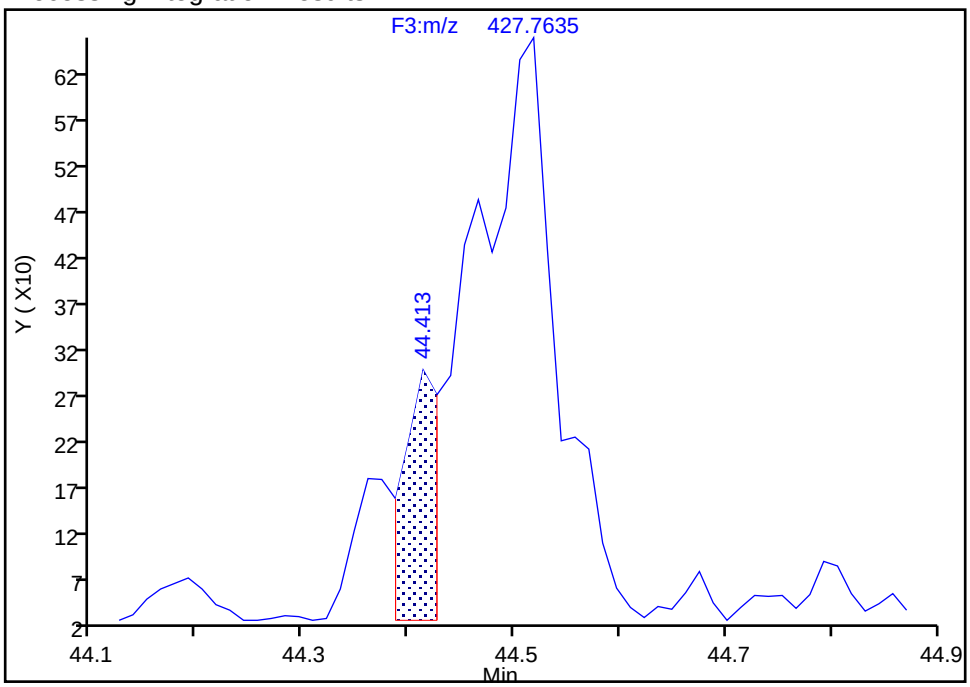
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 1

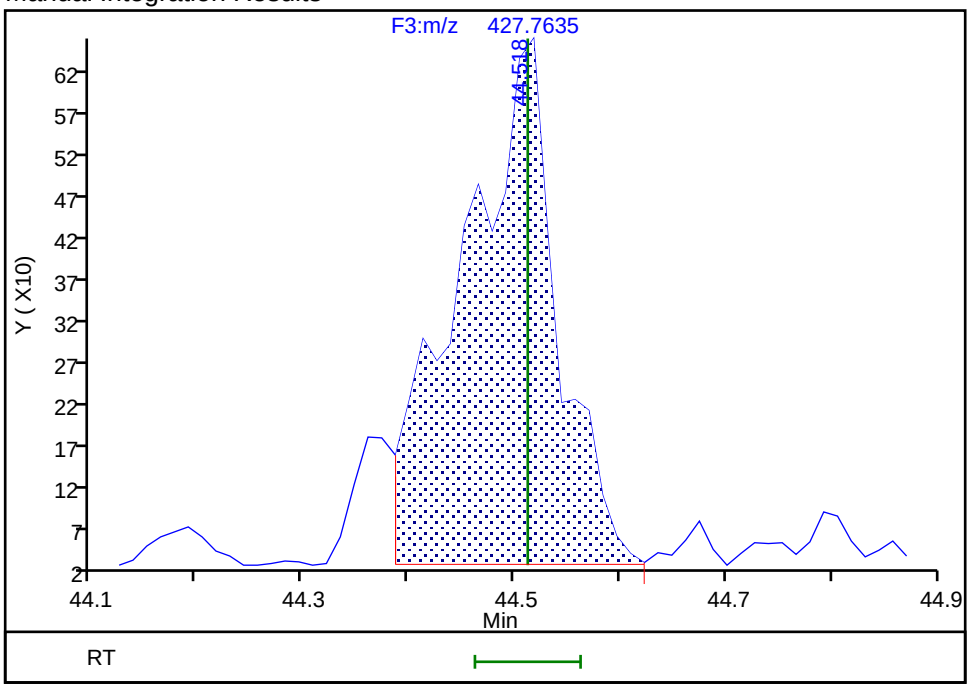
Processing Integration Results

RT: 44.41
Area: 515
Amount: 0.069852
Amount Units: pg/ul




Manual Integration Results

RT: 44.52
Area: 4001
Amount: 0.405445
Amount Units: pg/ul

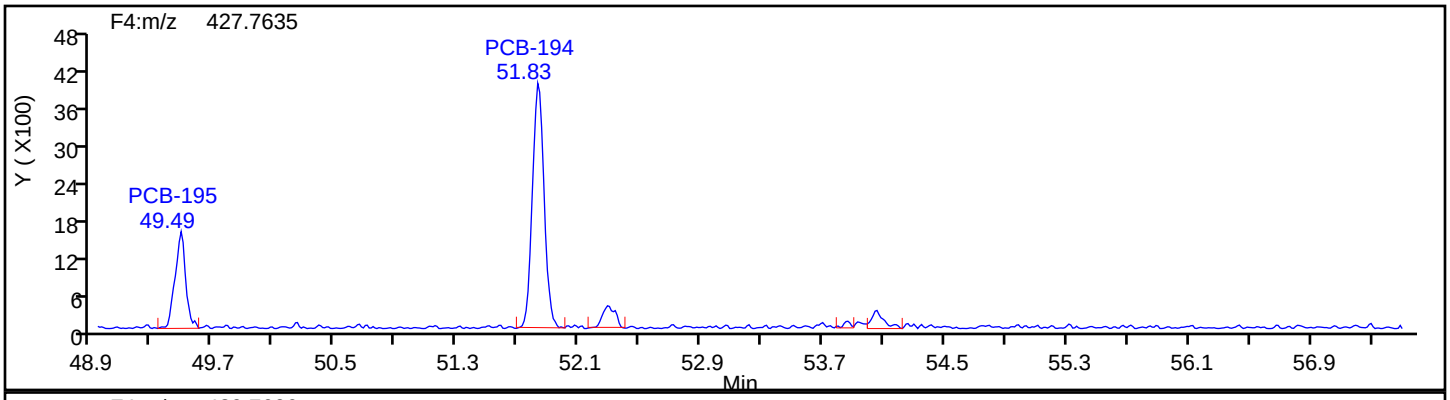


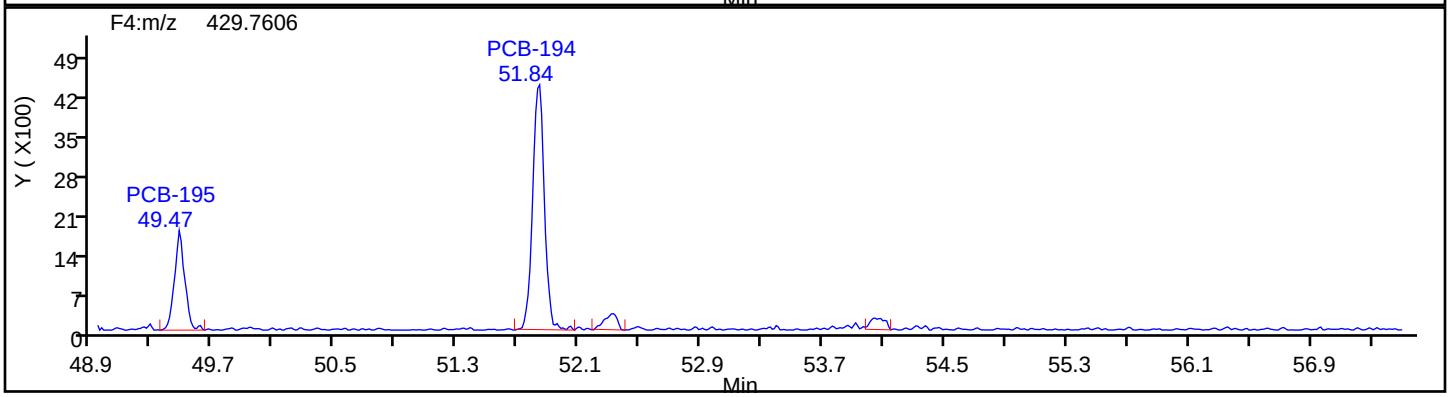

Reviewer: layk, 04-Oct-2019 10:29:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

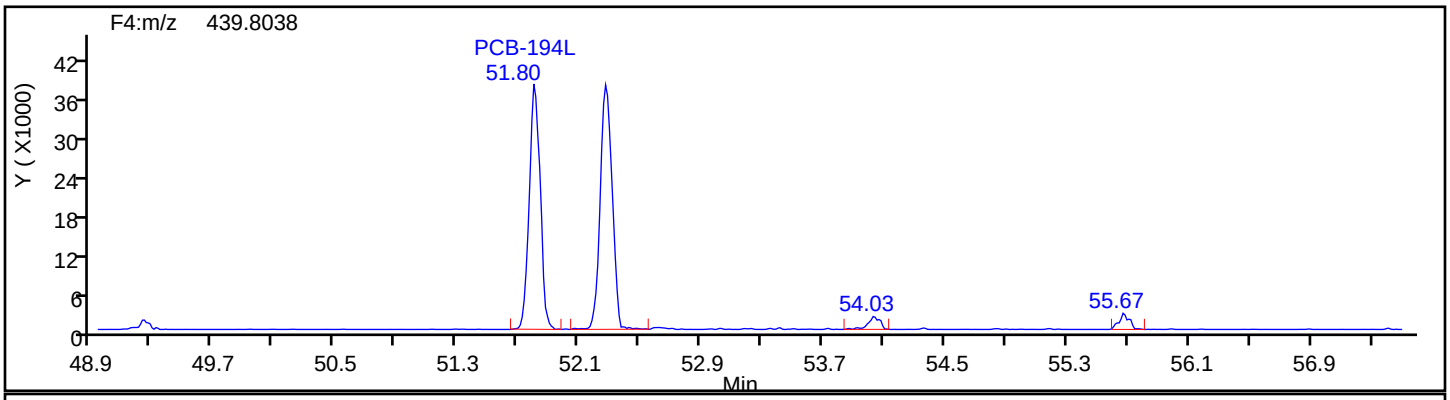
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

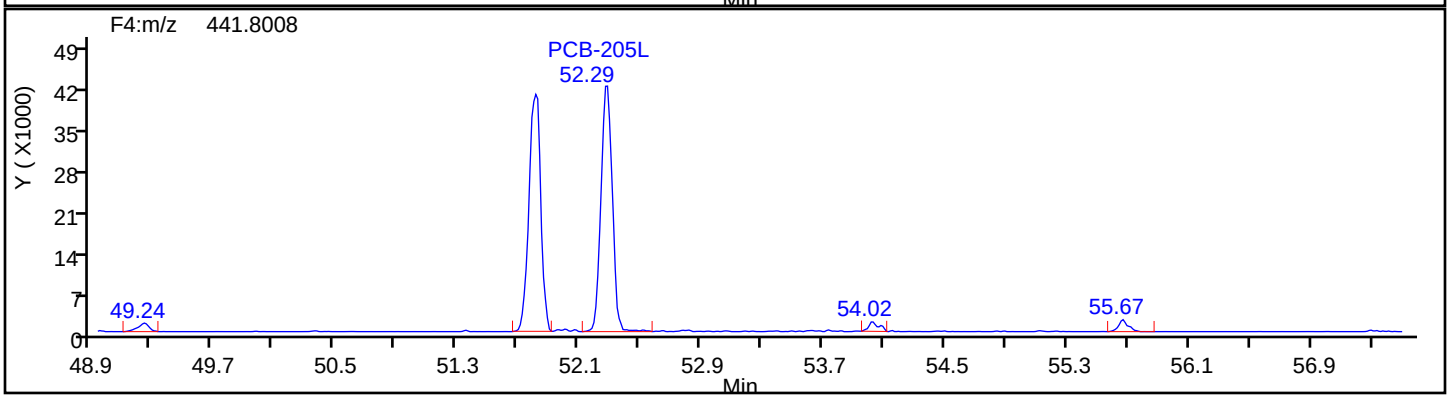
OcPCB F4




OcPCB F4 Standards

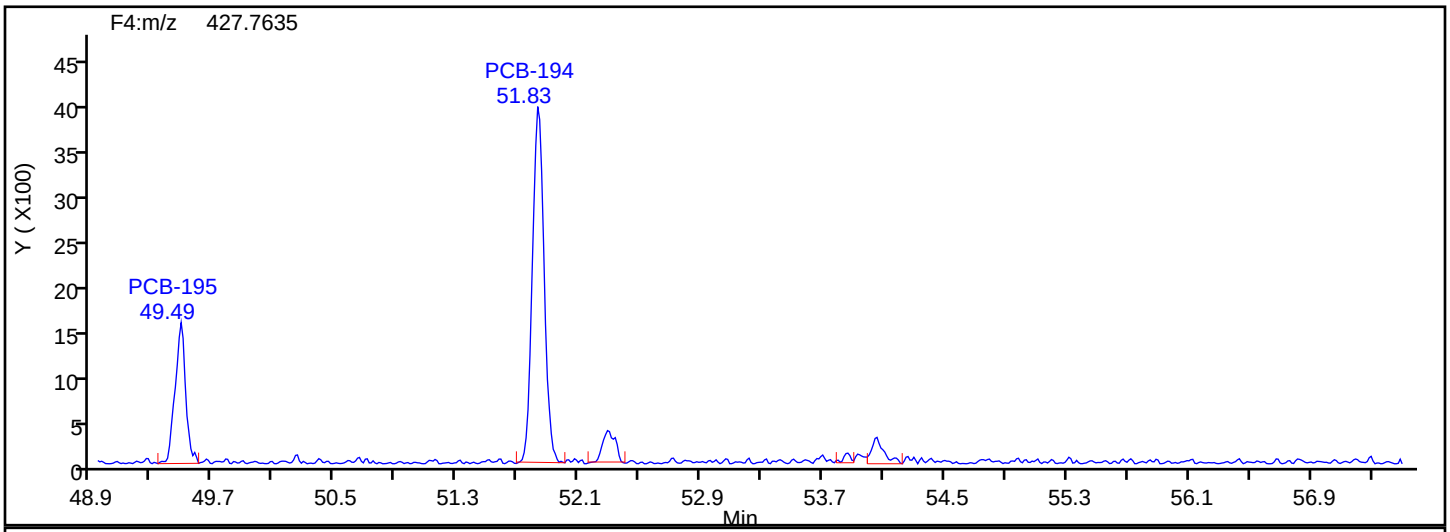


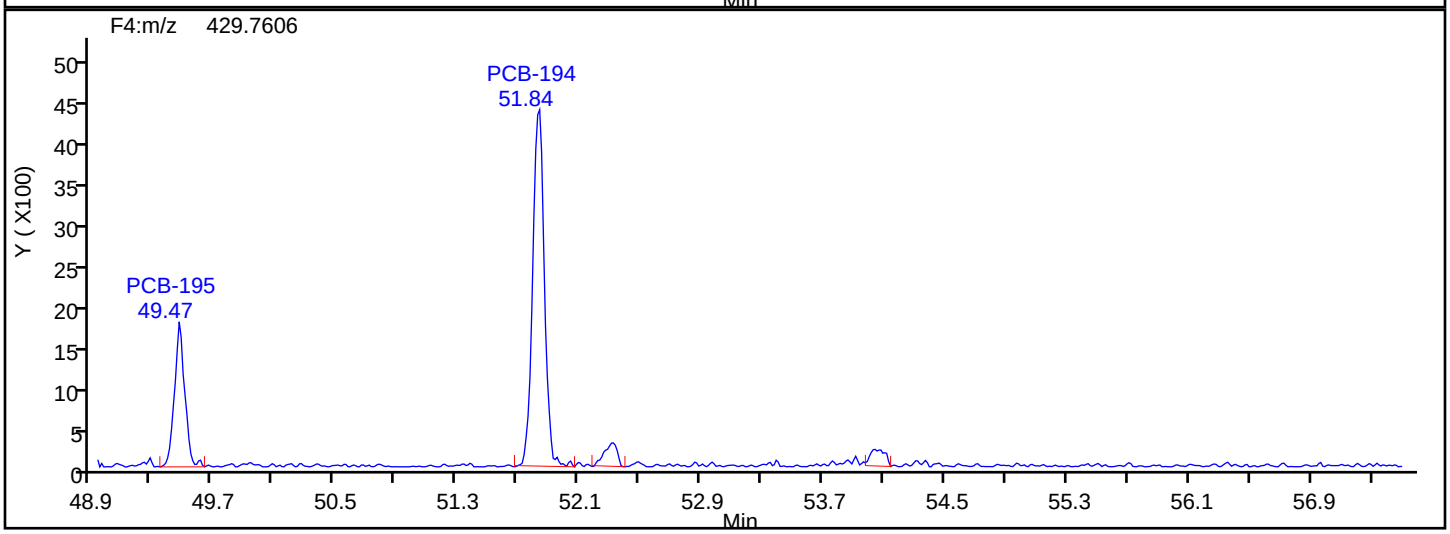



Eurofins TestAmerica, Knoxville

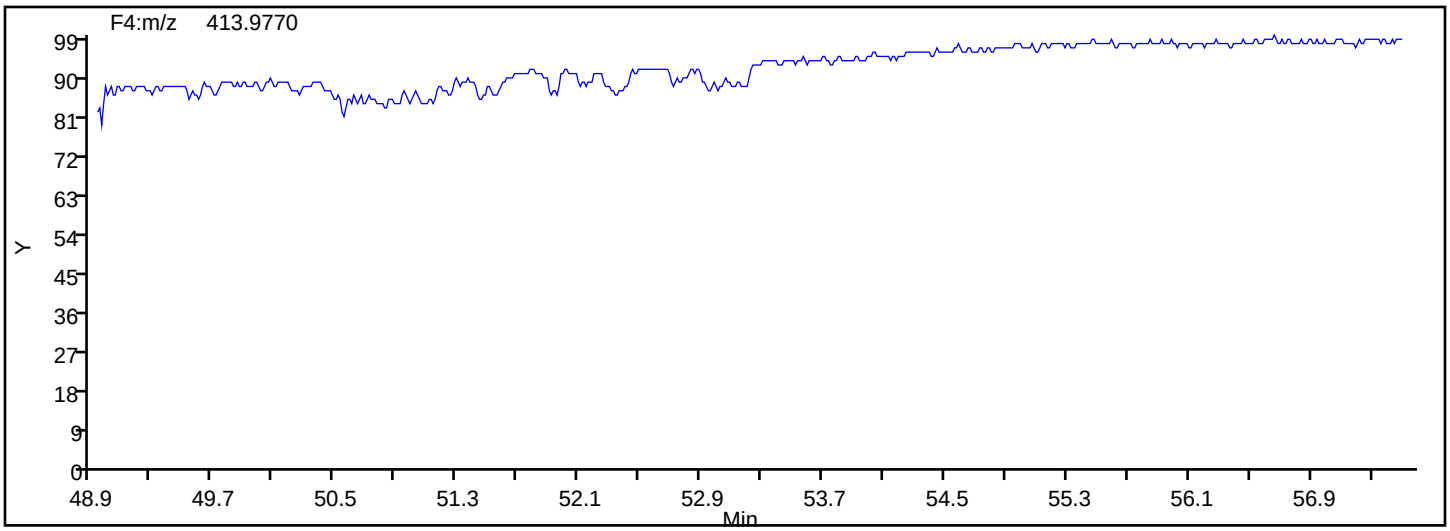
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

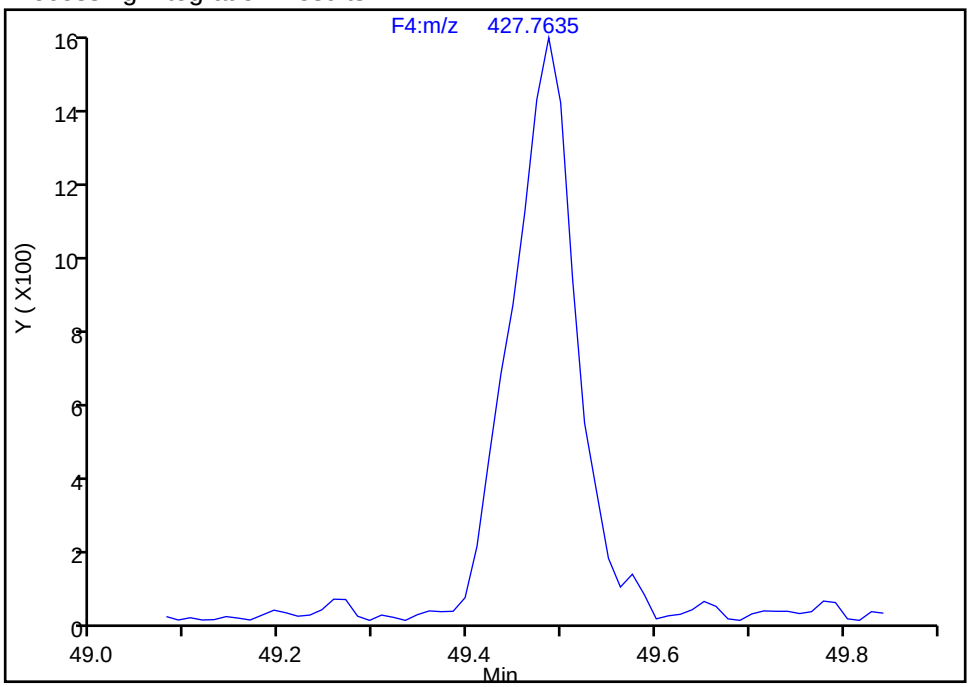
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-195, CAS: 52663-78-2

Signal: 1

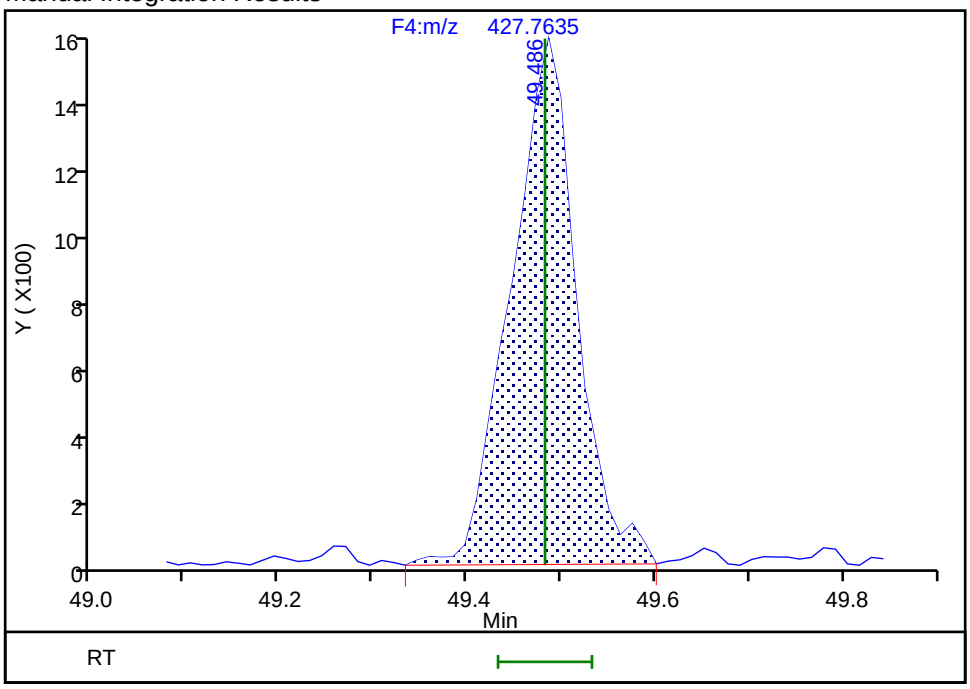
Not Detected
Expected RT: 49.48

Processing Integration Results




Manual Integration Results

RT: 49.49
Area: 7466
Amount: 0.948097
Amount Units: pg/ul

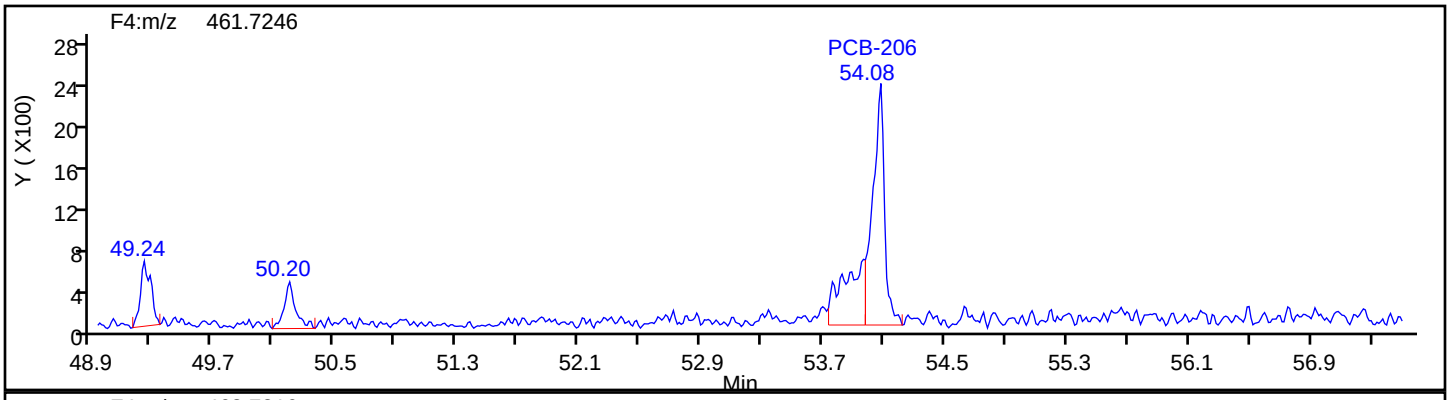


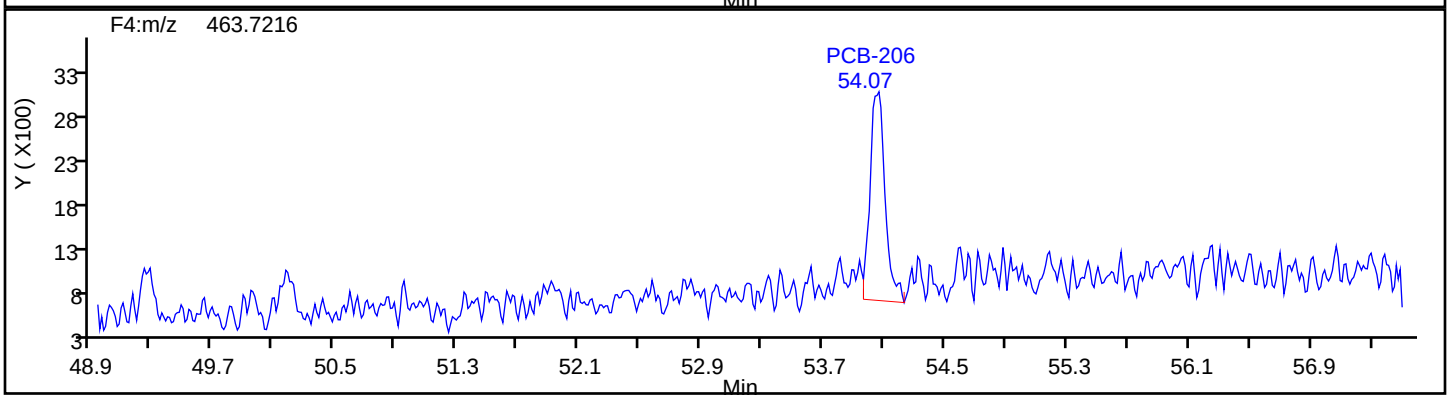

Reviewer: layk, 04-Oct-2019 10:29:58
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

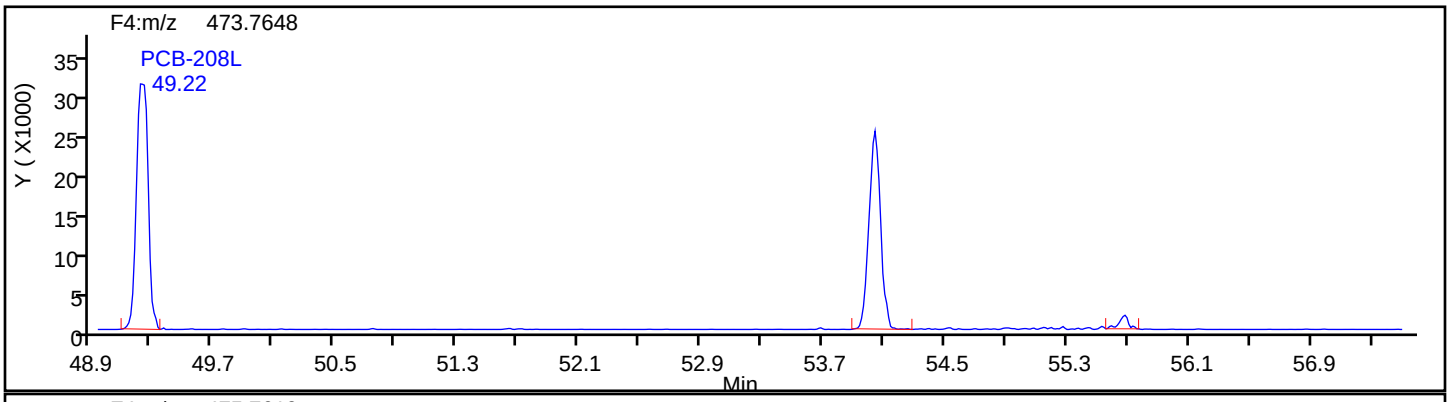
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

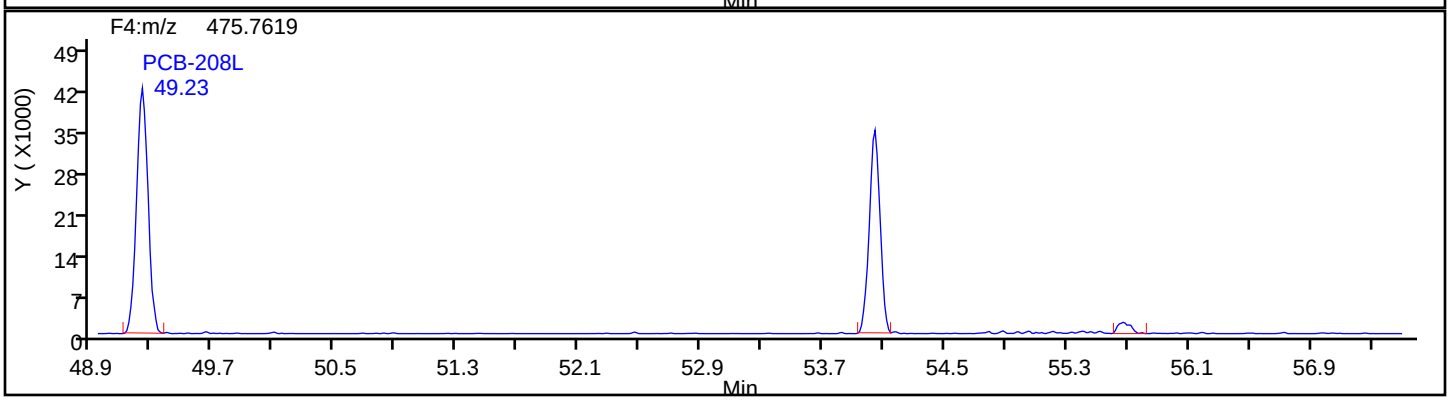
NoPCB F4




NoPCB F4 Standards

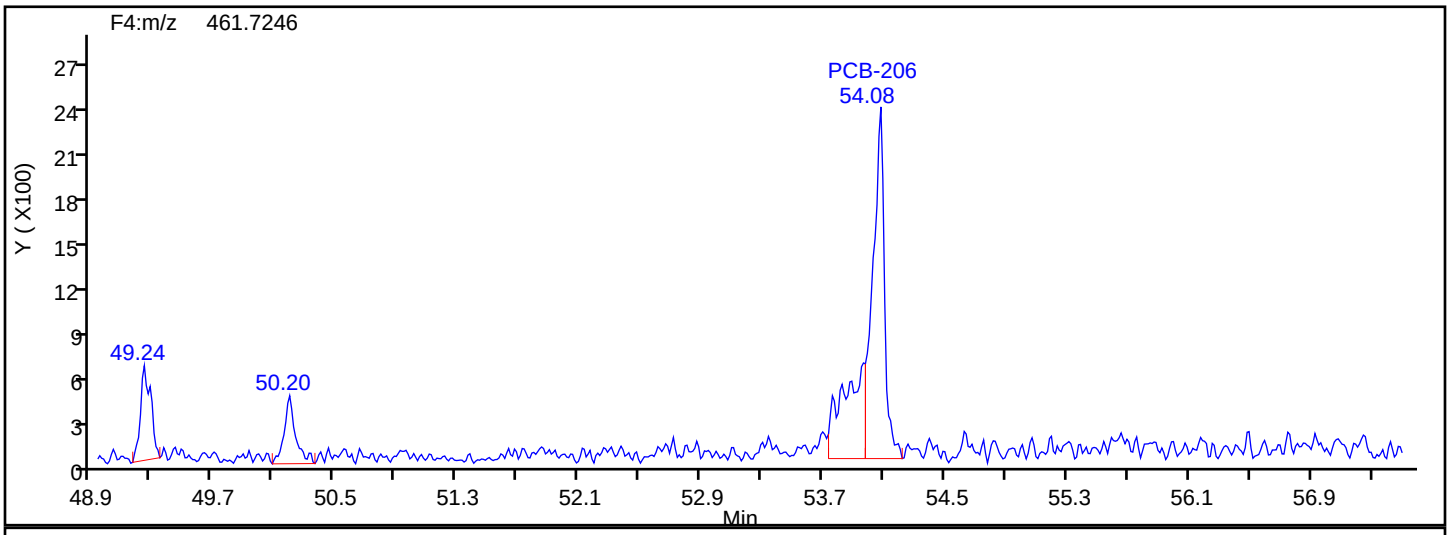


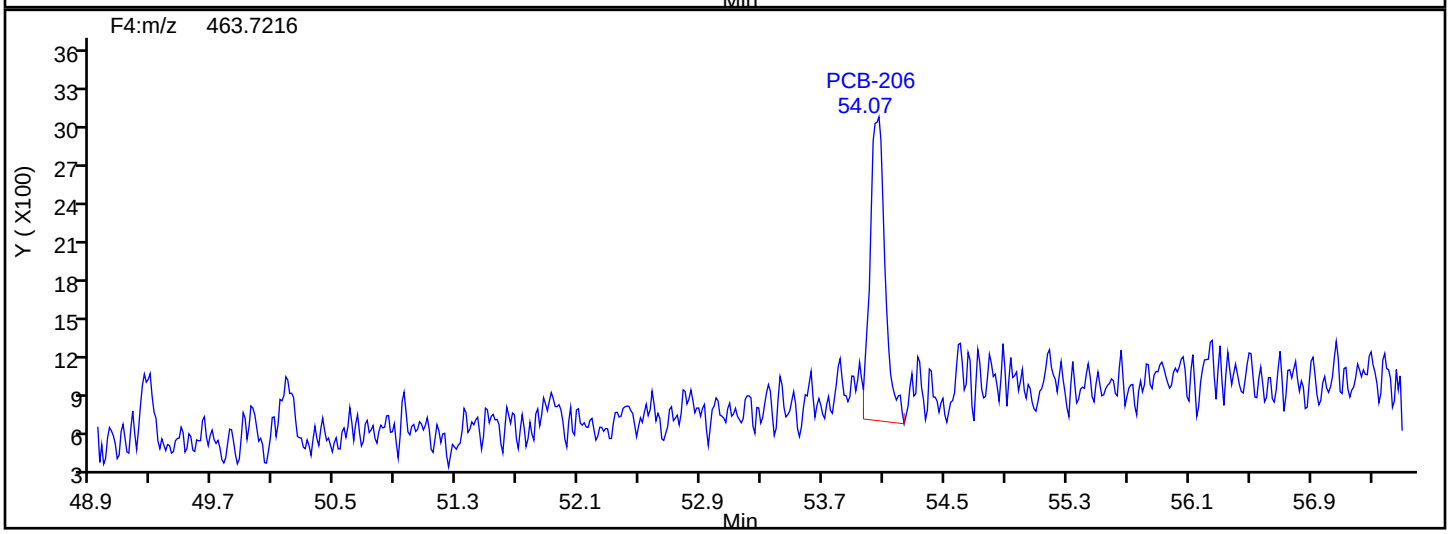



Eurofins TestAmerica, Knoxville

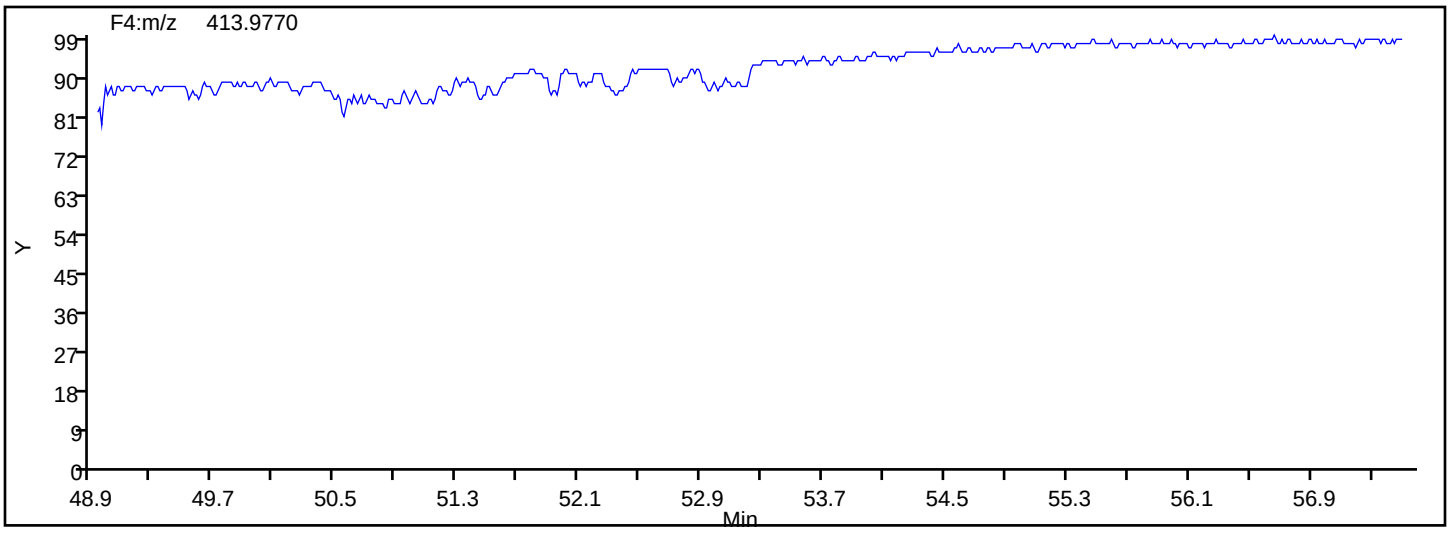
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

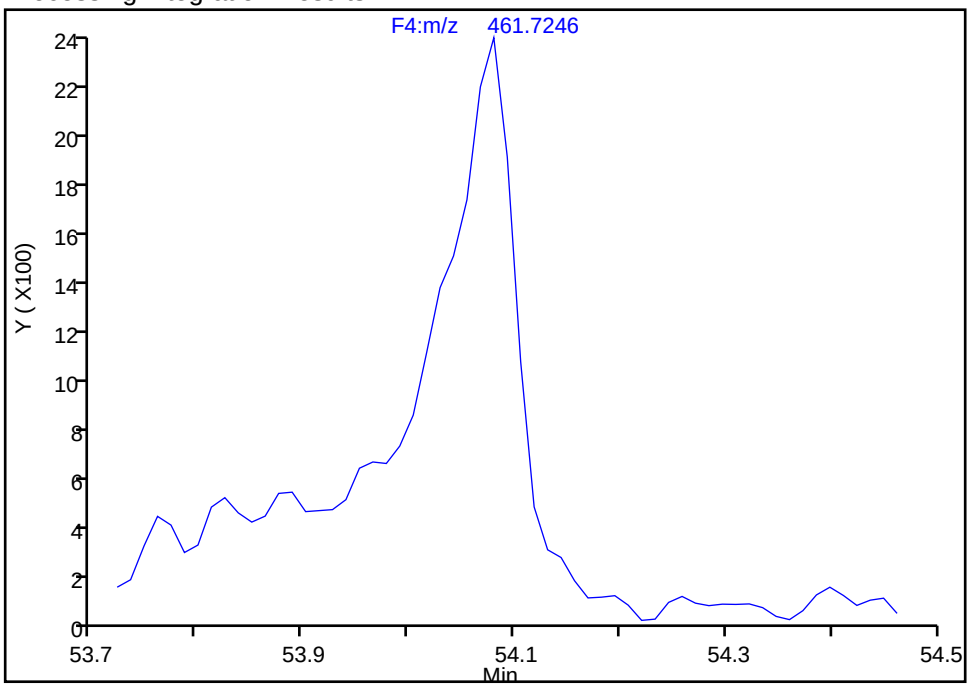
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

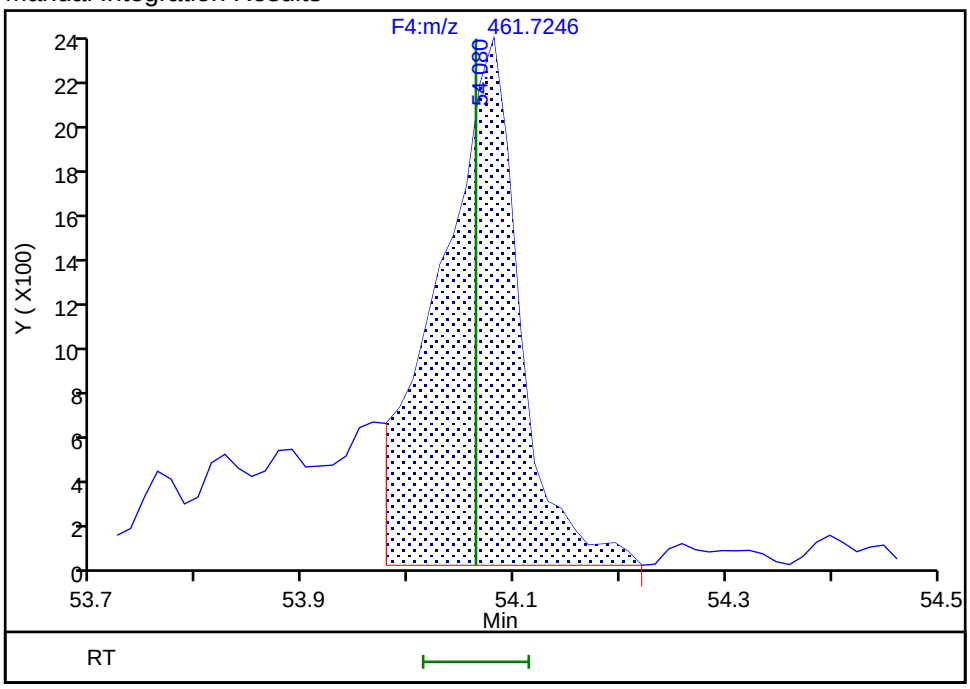
Not Detected
Expected RT: 54.06

Processing Integration Results




Manual Integration Results

RT: 54.08
Area: 12404
Amount: 1.561424
Amount Units: pg/ul



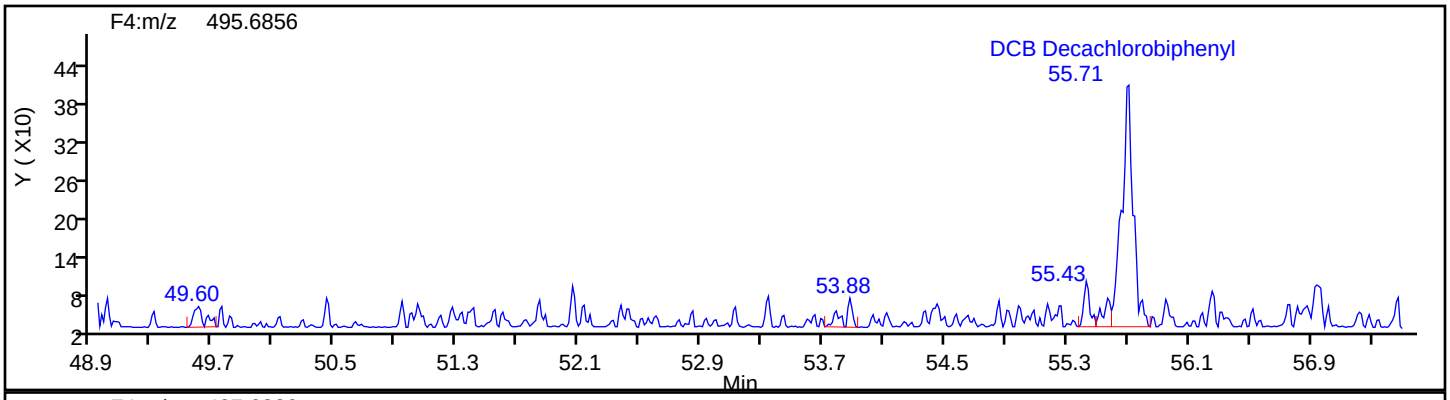

Reviewer: layk, 04-Oct-2019 10:30:10
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

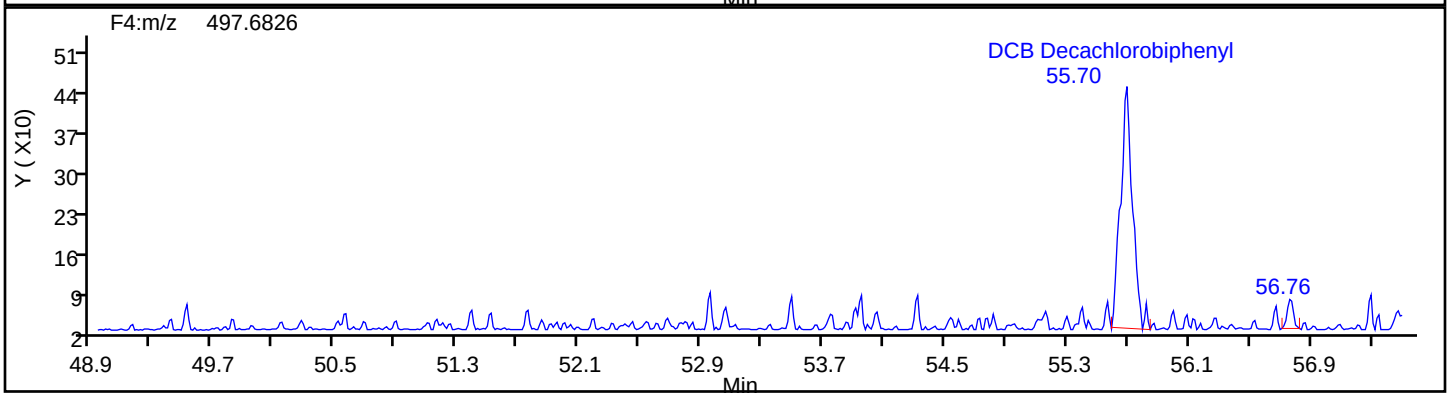
Report Date: 04-Oct-2019 14:09:09 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

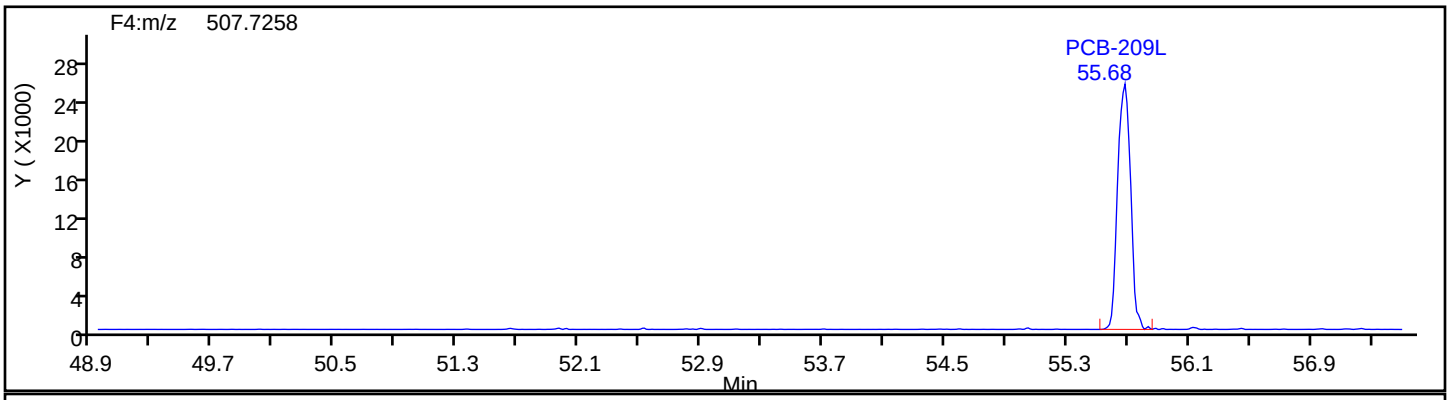
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

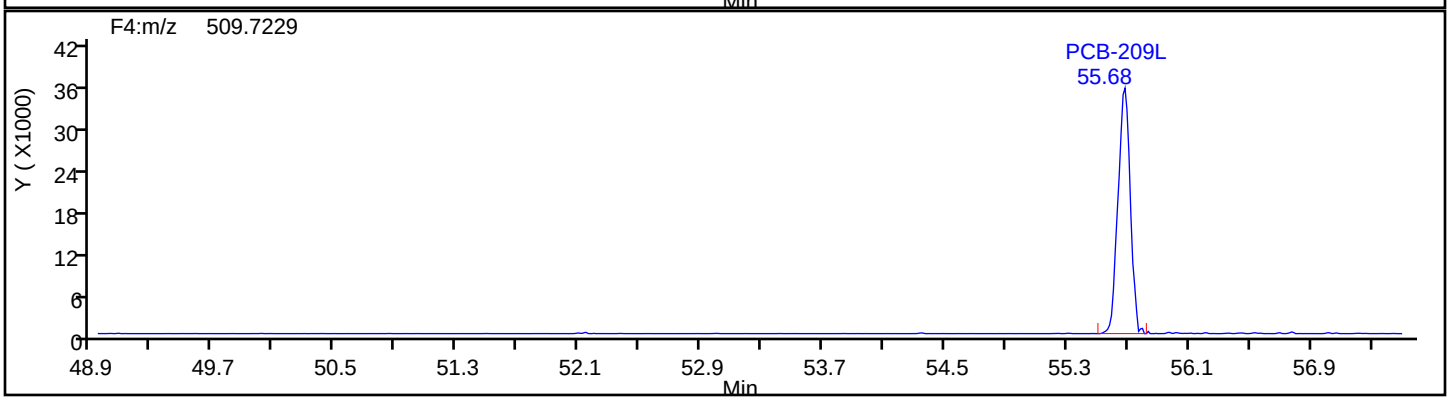
DePCB F4




DePCB F4 Standards

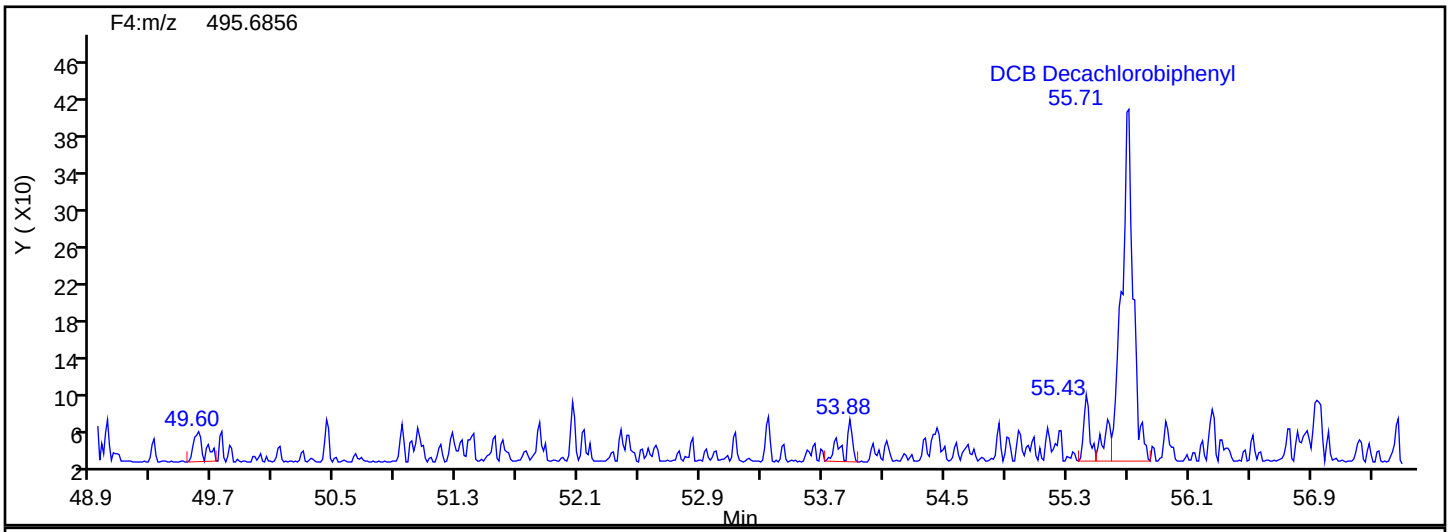


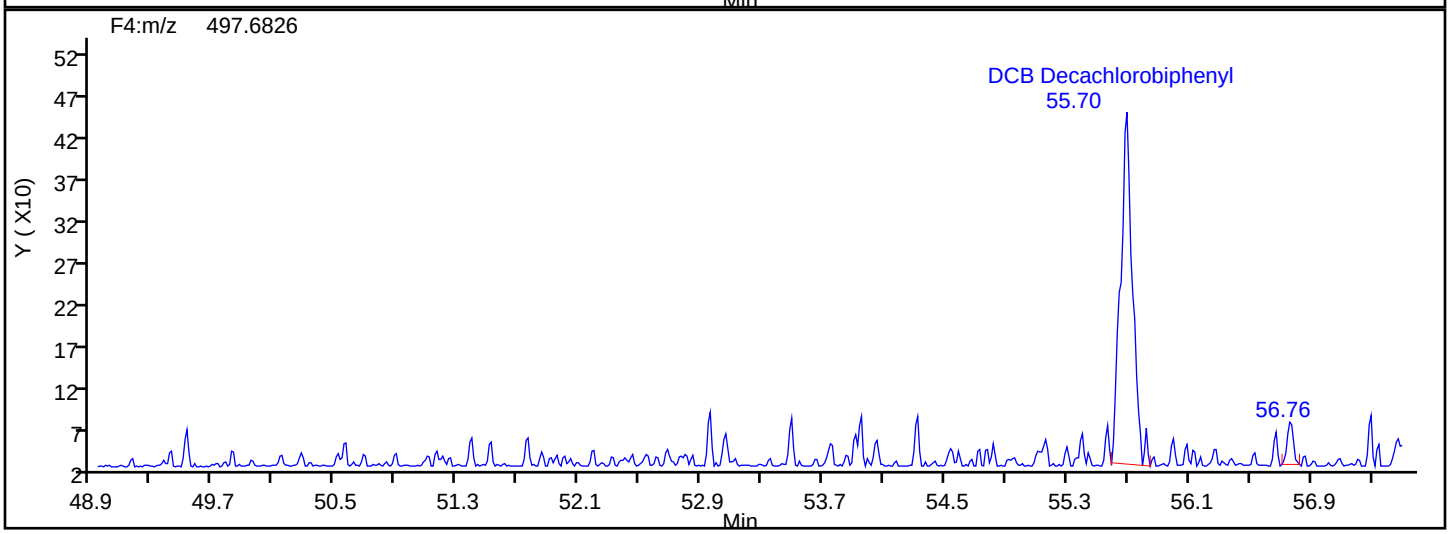



Eurofins TestAmerica, Knoxville

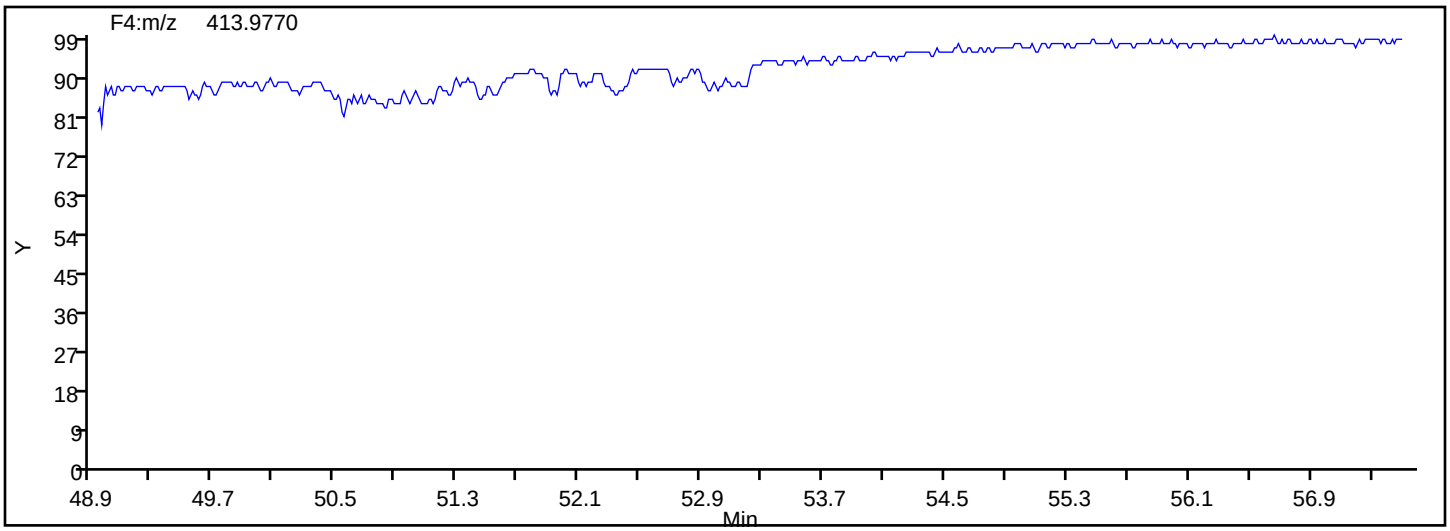
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-100to110-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

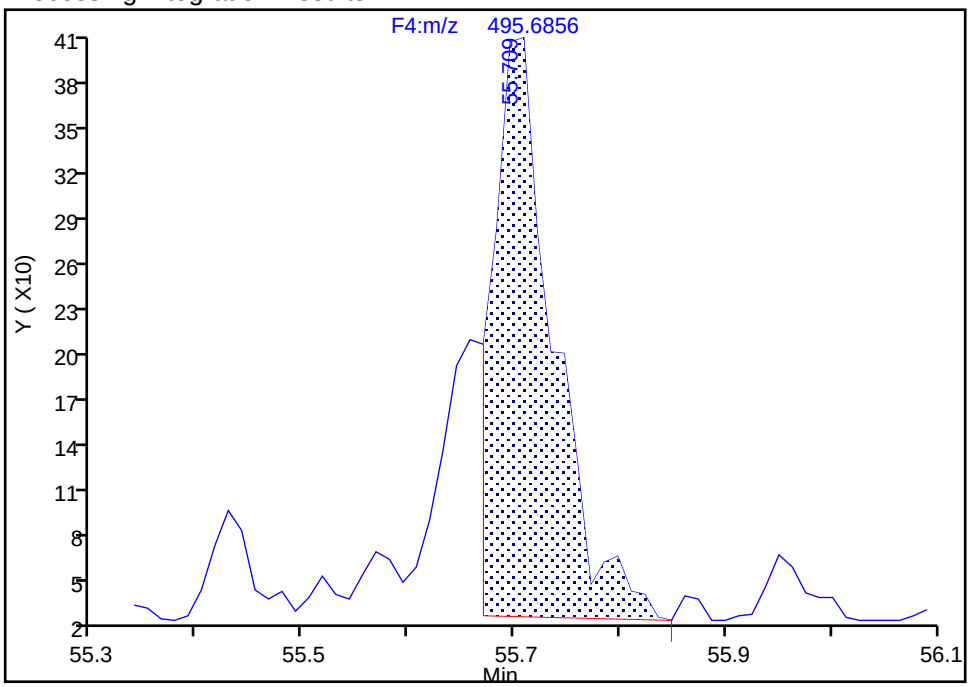
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-34-c.d | | | | |
| Injection Date: | 04-Oct-2019 03:57:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-34-C | Lab Sample ID: | 140-88908-34 | | |
| Client ID: | J5-SC1b-100to110-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

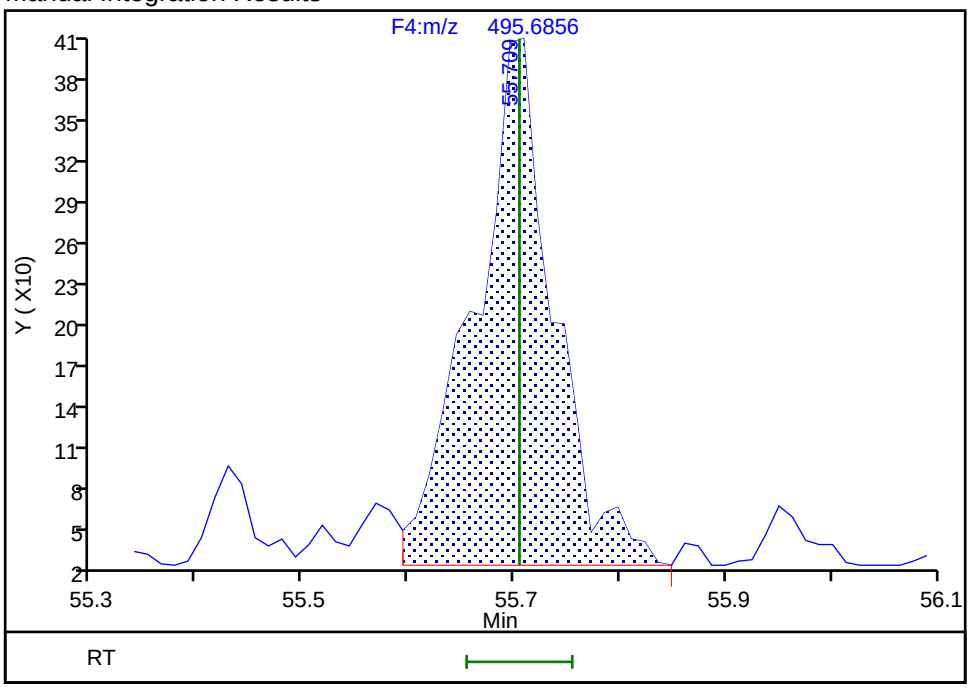
Processing Integration Results

RT: 55.71
Area: 1477
Amount: 0.176415
Amount Units: pg/ul




Manual Integration Results

RT: 55.71
Area: 2002
Amount: 0.200641
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:30:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.44 | | 0.054 | 0.0026 |
| 2051-61-8 | PCB-2 | 0.12 | | 0.054 | 0.0028 |
| 2051-62-9 | PCB-3 | 0.22 | | 0.054 | 0.0031 |
| 13029-08-8 | PCB-4 | 0.50 | | 0.11 | 0.0074 |
| 16605-91-7 | PCB-5 | 0.014 | J | 0.054 | 0.0032 |
| 25569-80-6 | PCB-6 | 0.14 | | 0.054 | 0.0032 |
| 33284-50-3 | PCB-7 | 0.035 | J | 0.054 | 0.0031 |
| 34883-43-7 | PCB-8 | 0.44 | | 0.11 | 0.0031 |
| 34883-39-1 | PCB-9 | 0.047 | J | 0.054 | 0.0035 |
| 33146-45-1 | PCB-10 | 0.014 | J q | 0.054 | 0.0033 |
| 2050-67-1 | PCB-11 | 0.13 | B | 0.11 | 0.0030 |
| 2974-92-7 | PCB-12 | 0.075 | J C | 0.11 | 0.0030 |
| 2974-90-5 | PCB-13 | 0.075 | J C12 | 0.11 | 0.0030 |
| 34883-41-5 | PCB-14 | ND | | 0.054 | 0.0026 |
| 2050-68-2 | PCB-15 | 0.29 | | 0.054 | 0.0024 |
| 38444-78-9 | PCB-16 | 0.20 | | 0.054 | 0.0040 |
| 37680-66-3 | PCB-17 | 1.1 | | 0.054 | 0.0031 |
| 37680-65-2 | PCB-18 | 0.53 | C | 0.11 | 0.0027 |
| 38444-73-4 | PCB-19 | 0.97 | | 0.054 | 0.0038 |
| 38444-84-7 | PCB-20 | 1.9 | C | 0.11 | 0.0086 |
| 55702-46-0 | PCB-21 | 1.0 | C | 0.11 | 0.0081 |
| 38444-85-8 | PCB-22 | 0.20 | | 0.054 | 0.0090 |
| 55720-44-0 | PCB-23 | ND | | 0.054 | 0.0088 |
| 55702-45-9 | PCB-24 | ND | | 0.054 | 0.0023 |
| 55712-37-3 | PCB-25 | 0.44 | | 0.054 | 0.0083 |
| 38444-81-4 | PCB-26 | 0.22 | C | 0.11 | 0.0085 |
| 38444-76-7 | PCB-27 | 0.20 | | 0.054 | 0.0023 |
| 7012-37-5 | PCB-28 | 1.9 | C20 | 0.11 | 0.0086 |
| 15862-07-4 | PCB-29 | 0.22 | C26 | 0.11 | 0.0085 |
| 35693-92-6 | PCB-30 | 0.53 | C18 | 0.11 | 0.0027 |
| 16606-02-3 | PCB-31 | 0.94 | | 0.11 | 0.0081 |
| 38444-77-8 | PCB-32 | 2.6 | | 0.054 | 0.0021 |
| 38444-86-9 | PCB-33 | 1.0 | C21 | 0.11 | 0.0081 |
| 37680-68-5 | PCB-34 | 0.012 | J q | 0.054 | 0.0092 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.024 | J | 0.054 | 0.0092 |
| 38444-87-0 | PCB-36 | ND | | 0.054 | 0.0083 |
| 38444-90-5 | PCB-37 | 0.30 | | 0.054 | 0.0087 |
| 53555-66-1 | PCB-38 | 0.018 | J | 0.054 | 0.0085 |
| 38444-88-1 | PCB-39 | 0.028 | J | 0.054 | 0.0080 |
| 38444-93-8 | PCB-40 | 4.2 | C | 0.16 | 0.15 |
| 52663-59-9 | PCB-41 | 4.2 | C40 | 0.16 | 0.15 |
| 36559-22-5 | PCB-42 | 0.81 | G | 0.16 | 0.16 |
| 70362-46-8 | PCB-43 | 1.3 | G C | 0.14 | 0.14 |
| 41464-39-5 | PCB-44 | 41 | C B | 0.16 | 0.14 |
| 70362-45-7 | PCB-45 | 22 | G C B | 0.16 | 0.16 |
| 41464-47-5 | PCB-46 | 0.52 | G | 0.19 | 0.19 |
| 2437-79-8 | PCB-47 | 41 | C44 B | 0.16 | 0.14 |
| 70362-47-9 | PCB-48 | 0.20 | q G | 0.15 | 0.15 |
| 41464-40-8 | PCB-49 | 16 | G C B | 0.12 | 0.12 |
| 62796-65-0 | PCB-50 | 8.3 | G C | 0.15 | 0.15 |
| 68194-04-7 | PCB-51 | 22 | G C45 B | 0.16 | 0.16 |
| 35693-99-3 | PCB-52 | 14 | G B | 0.16 | 0.16 |
| 41464-41-9 | PCB-53 | 8.3 | G C50 | 0.15 | 0.15 |
| 15968-05-5 | PCB-54 | 2.7 | | 0.054 | 0.0021 |
| 74338-24-2 | PCB-55 | ND | G | 0.11 | 0.11 |
| 41464-43-1 | PCB-56 | 0.87 | G | 0.11 | 0.11 |
| 70424-67-8 | PCB-57 | ND | G | 0.11 | 0.11 |
| 41464-49-7 | PCB-58 | ND | G | 0.11 | 0.11 |
| 74472-33-6 | PCB-59 | 1.2 | C | 0.16 | 0.10 |
| 33025-41-1 | PCB-60 | 0.19 | G | 0.11 | 0.11 |
| 33284-53-6 | PCB-61 | 7.4 | C B | 0.22 | 0.10 |
| 54230-22-7 | PCB-62 | 1.2 | C59 | 0.16 | 0.10 |
| 74472-34-7 | PCB-63 | 0.33 | G | 0.097 | 0.097 |
| 52663-58-8 | PCB-64 | 1.1 | G | 0.10 | 0.10 |
| 33284-54-7 | PCB-65 | 41 | C44 B | 0.16 | 0.14 |
| 32598-10-0 | PCB-66 | 3.6 | G | 0.11 | 0.11 |
| 73575-53-8 | PCB-67 | 0.18 | G | 0.10 | 0.10 |
| 73575-52-7 | PCB-68 | 0.65 | G | 0.096 | 0.096 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 16 | G C49 B | 0.12 | 0.12 |
| 32598-11-1 | PCB-70 | 7.4 | C61 B | 0.22 | 0.10 |
| 41464-46-4 | PCB-71 | 4.2 | C40 | 0.16 | 0.15 |
| 41464-42-0 | PCB-72 | 0.24 | G | 0.11 | 0.11 |
| 74338-23-1 | PCB-73 | 1.3 | G C43 | 0.14 | 0.14 |
| 32690-93-0 | PCB-74 | 7.4 | C61 B | 0.22 | 0.10 |
| 32598-12-2 | PCB-75 | 1.2 | C59 | 0.16 | 0.10 |
| 70362-48-0 | PCB-76 | 7.4 | C61 B | 0.22 | 0.10 |
| 32598-13-3 | PCB-77 | 0.27 | G | 0.10 | 0.10 |
| 70362-49-1 | PCB-78 | ND | G | 0.11 | 0.11 |
| 41464-48-6 | PCB-79 | 0.22 | G | 0.092 | 0.092 |
| 33284-52-5 | PCB-80 | ND | G | 0.096 | 0.096 |
| 70362-50-4 | PCB-81 | ND | G | 0.11 | 0.11 |
| 52663-62-4 | PCB-82 | 2.1 |  | 0.054 | 0.0032 |
| 60145-20-2 | PCB-83 | 18 | C | 0.11 | 0.0029 |
| 52663-60-2 | PCB-84 | 5.8 | B | 0.054 | 0.0032 |
| 65510-45-4 | PCB-85 | 4.3 | C B | 0.16 | 0.0023 |
| 55312-69-1 | PCB-86 | 15 | C | 0.32 | 0.0023 |
| 38380-02-8 | PCB-87 | 15 | C86 | 0.32 | 0.0023 |
| 55215-17-3 | PCB-88 | 11 | C | 0.11 | 0.0027 |
| 73575-57-2 | PCB-89 | ND |  | 0.054 | 0.0031 |
| 68194-07-0 | PCB-90 | 36 | C B | 0.16 | 0.0024 |
| 68194-05-8 | PCB-91 | 11 | C88 | 0.11 | 0.0027 |
| 52663-61-3 | PCB-92 | 8.8 |  | 0.054 | 0.0029 |
| 73575-56-1 | PCB-93 | 9.0 | C | 0.11 | 0.0028 |
| 73575-55-0 | PCB-94 | 2.5 |  | 0.054 | 0.0030 |
| 38379-99-6 | PCB-95 | 23 |  | 0.054 | 0.0028 |
| 73575-54-9 | PCB-96 | 1.5 |  | 0.054 | 0.0022 |
| 41464-51-1 | PCB-97 | 15 | C86 | 0.32 | 0.0023 |
| 60233-25-2 | PCB-98 | 2.3 | C | 0.11 | 0.0028 |
| 38380-01-7 | PCB-99 | 18 | C83 | 0.11 | 0.0029 |
| 39485-83-1 | PCB-100 | 9.0 | C93 | 0.11 | 0.0028 |
| 37680-73-2 | PCB-101 | 36 | C90 B | 0.16 | 0.0024 |
| 68194-06-9 | PCB-102 | 2.3 | C98 | 0.11 | 0.0028 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *60145-21-3* | *PCB-103* | *3.1* | | *0.054* | *0.0026* |
| *56558-16-8* | *PCB-104* | *0.62* | | *0.054* | *0.0020* |
| *32598-14-4* | *PCB-105* | *4.9* | | *0.054* | *0.020* |
| *70424-69-0* | *PCB-106* | *ND* | | *0.054* | *0.021* |
| *70424-68-9* | *PCB-107* | *1.7* | | *0.054* | *0.020* |
| *70362-41-3* | *PCB-108* | *0.58* | *C* | *0.11* | *0.021* |
| *74472-35-8* | *PCB-109* | *15* | *C86* | *0.32* | *0.0023* |
| *38380-03-9* | *PCB-110* | *25* | *C* | *0.11* | *0.0020* |
| *39635-32-0* | *PCB-111* | *0.21* | | *0.054* | *0.0019* |
| *74472-36-9* | *PCB-112* | *ND* | | *0.054* | *0.0020* |
| *68194-10-5* | *PCB-113* | *36* | *C90 B* | *0.16* | *0.0024* |
| *74472-37-0* | *PCB-114* | *0.34* | | *0.054* | *0.020* |
| *74472-38-1* | *PCB-115* | *25* | *C110* | *0.11* | *0.0020* |
| *18259-05-7* | *PCB-116* | *4.3* | *C85 B* | *0.16* | *0.0023* |
| *68194-11-6* | *PCB-117* | *4.3* | *C85 B* | *0.16* | *0.0023* |
| *31508-00-6* | *PCB-118* | *15* | *B* | *0.054* | *0.020* |
| *56558-17-9* | *PCB-119* | *15* | *C86* | *0.32* | *0.0023* |
| *68194-12-7* | *PCB-120* | *0.40* | | *0.054* | *0.0018* |
| *56558-18-0* | *PCB-121* | *0.27* | | *0.054* | *0.0020* |
| *76842-07-4* | *PCB-122* | *0.18* | | *0.054* | *0.023* |
| *65510-44-3* | *PCB-123* | *0.16* | *q* | *0.054* | *0.020* |
| *70424-70-3* | *PCB-124* | *0.58* | *C108* | *0.11* | *0.021* |
| *74472-39-2* | *PCB-125* | *15* | *C86* | *0.32* | *0.0023* |
| *57465-28-8* | *PCB-126* | *0.046* | *J* | *0.054* | *0.021* |
| *39635-33-1* | *PCB-127* | *0.046* | *J* | *0.054* | *0.021* |
| *38380-07-3* | *PCB-128* | *3.3* | *C B* | *0.11* | *0.016* |
| *55215-18-4* | *PCB-129* | *31* | *C B* | *0.22* | *0.016* |
| *52663-66-8* | *PCB-130* | *2.1* | | *0.054* | *0.021* |
| *61798-70-7* | *PCB-131* | *0.36* | | *0.054* | *0.021* |
| *38380-05-1* | *PCB-132* | *10* | | *0.054* | *0.020* |
| *35694-04-3* | *PCB-133* | *1.8* | | *0.054* | *0.019* |
| *52704-70-8* | *PCB-134* | *2.4* | *C* | *0.11* | *0.021* |
| *52744-13-5* | *PCB-135* | *18* | *C B* | *0.11* | *0.0011* |
| *38411-22-2* | *PCB-136* | *6.2* | *B* | *0.054* | *0.00086* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *0.95* | | *0.054* | *0.017* |
| *35065-28-2* | *PCB-138* | *31* | *C129 B* | *0.22* | *0.016* |
| *56030-56-9* | *PCB-139* | *0.85* | *C* | *0.11* | *0.018* |
| *59291-64-4* | *PCB-140* | *0.85* | *C139* | *0.11* | *0.018* |
| *52712-04-6* | *PCB-141* | *5.1* | | *0.054* | *0.018* |
| *41411-61-4* | *PCB-142* | *ND* | | *0.054* | *0.021* |
| *68194-15-0* | *PCB-143* | *2.4* | *C134* | *0.11* | *0.021* |
| *68194-14-9* | *PCB-144* | *1.4* | | *0.054* | *0.0011* |
| *74472-40-5* | *PCB-145* | *ND* | | *0.054* | *0.00083* |
| *51908-16-8* | *PCB-146* | *9.0* | *B* | *0.054* | *0.018* |
| *68194-13-8* | *PCB-147* | *37* | *C B* | *0.11* | *0.018* |
| *74472-41-6* | *PCB-148* | *0.74* | | *0.054* | *0.0011* |
| *38380-04-0* | *PCB-149* | *37* | *C147 B* | *0.11* | *0.018* |
| *68194-08-1* | *PCB-150* | *0.85* | | *0.054* | *0.00080* |
| *52663-63-5* | *PCB-151* | *18* | *C135 B* | *0.11* | *0.0011* |
| *68194-09-2* | *PCB-152* | *0.83* | | *0.054* | *0.00079* |
| *35065-27-1* | *PCB-153* | *29* | *C B* | *0.11* | *0.014* |
| *60145-22-4* | *PCB-154* | *2.7* | | *0.054* | *0.00098* |
| *33979-03-2* | *PCB-155* | *0.081* | | *0.054* | *0.00076* |
| *38380-08-4* | *PCB-156* | *2.8* | *C* | *0.11* | *0.016* |
| *69782-90-7* | *PCB-157* | *2.8* | *C156* | *0.11* | *0.016* |
| *74472-42-7* | *PCB-158* | *2.6* | | *0.054* | *0.013* |
| *39635-35-3* | *PCB-159* | *0.40* | | *0.054* | *0.013* |
| *41411-62-5* | *PCB-160* | *31* | *C129 B* | *0.22* | *0.016* |
| *74472-43-8* | *PCB-161* | *0.018* | *J q* | *0.054* | *0.013* |
| *39635-34-2* | *PCB-162* | *0.083* | | *0.054* | *0.013* |
| *74472-44-9* | *PCB-163* | *31* | *C129 B* | *0.22* | *0.016* |
| *74472-45-0* | *PCB-164* | *2.4* | | *0.054* | *0.014* |
| *74472-46-1* | *PCB-165* | *0.26* | | *0.054* | *0.016* |
| *41411-63-6* | *PCB-166* | *3.3* | *C128 B* | *0.11* | *0.016* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 0.98 | | 0.054 | 0.012 |
| 59291-65-5 | PCB-168 | 29 | C153 B | 0.11 | 0.014 |
| 32774-16-6 | PCB-169 | ND | | 0.054 | 0.012 |
| 35065-30-6 | PCB-170 | 11 | B | 0.054 | 0.0011 |
| 52663-71-5 | PCB-171 | 3.4 | C | 0.11 | 0.0011 |
| 52663-74-8 | PCB-172 | 1.9 | | 0.054 | 0.0011 |
| 68194-16-1 | PCB-173 | 3.4 | C171 | 0.11 | 0.0011 |
| 38411-25-5 | PCB-174 | 10 | B | 0.054 | 0.0011 |
| 40186-70-7 | PCB-175 | 0.44 | | 0.054 | 0.0010 |
| 52663-65-7 | PCB-176 | 1.4 | | 0.054 | 0.00071 |
| 52663-70-4 | PCB-177 | 7.3 | B | 0.054 | 0.0012 |
| 52663-67-9 | PCB-178 | 3.3 | | 0.054 | 0.0011 |
| 52663-64-6 | PCB-179 | 5.9 | | 0.054 | 0.00077 |
| 35065-29-3 | PCB-180 | 23 | C B | 0.11 | 0.00088 |
| 74472-47-2 | PCB-181 | 0.12 | | 0.054 | 0.00098 |
| 60145-23-5 | PCB-182 | 0.21 | | 0.054 | 0.00095 |
| 52663-69-1 | PCB-183 | 6.9 | C B | 0.11 | 0.00096 |
| 74472-48-3 | PCB-184 | ND | | 0.054 | 0.00077 |
| 52712-05-7 | PCB-185 | 6.9 | C183 B | 0.11 | 0.00096 |
| 74472-49-4 | PCB-186 | ND | | 0.054 | 0.00076 |
| 52663-68-0 | PCB-187 | 15 | B | 0.054 | 0.00098 |
| 74487-85-7 | PCB-188 | 0.20 | | 0.054 | 0.00070 |
| 39635-31-9 | PCB-189 | 0.44 | | 0.054 | 0.0039 |
| 41411-64-7 | PCB-190 | 2.2 | B | 0.054 | 0.00079 |
| 74472-50-7 | PCB-191 | 0.49 | | 0.054 | 0.00078 |
| 74472-51-8 | PCB-192 | ND | | 0.054 | 0.00084 |
| 69782-91-8 | PCB-193 | 23 | C180 B | 0.11 | 0.00088 |
| 35694-08-7 | PCB-194 | 6.1 | | 0.054 | 0.012 |
| 52663-78-2 | PCB-195 | 2.8 | | 0.054 | 0.015 |
| 42740-50-1 | PCB-196 | 3.1 | | 0.054 | 0.00092 |
| 33091-17-7 | PCB-197 | 0.24 | | 0.054 | 0.00067 |
| 68194-17-2 | PCB-198 | 5.9 | C B | 0.11 | 0.00098 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *5.9* | *C198 B* | *0.11* | *0.00098* |
| *52663-73-7* | *PCB-200* | *0.75* | | *0.054* | *0.00072* |
| *40186-71-8* | *PCB-201* | *0.76* | | *0.054* | *0.00068* |
| *2136-99-4* | *PCB-202* | *1.2* | | *0.054* | *0.00077* |
| *52663-76-0* | *PCB-203* | *3.8* | | *0.054* | *0.00087* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.054* | *0.00073* |
| *74472-53-0* | *PCB-205* | *0.31* | | *0.054* | *0.0094* |
| *40186-72-9* | *PCB-206* | *1.9* | | *0.054* | *0.0084* |
| *52663-79-3* | *PCB-207* | *0.23* | | *0.054* | *0.0060* |
| *52663-77-1* | *PCB-208* | *0.44* | | *0.054* | *0.0061* |
| *2051-24-3* | *PCB-209* | *0.51* | | *0.054* | *0.0012* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *0.78* | | *0.054* | *0.0028* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *1.7* | *q B* | *0.11* | *0.0034* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *11* | *q* | *0.11* | *0.0066* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *130* | *q B* | *0.22* | *0.12* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *190* | *q B* | *0.32* | *0.0084* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *170* | *q B* | *0.22* | *0.012* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *93* | *B* | *0.11* | *0.0011* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *25* | *B* | *0.11* | *0.0039* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *2.6* | | *0.054* | *0.0068* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *630* | *q B* | *0.32* | *0.018* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719  Lab Sample ID: 580-88908-35

Matrix: Solid  Lab File ID: 580-88908-a-35-c.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 20.39(g)  Date Analyzed: 10/04/2019 04:59

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 57 | | 30-140 |
| 208263-77-8 | PCB-3L | 63 | | 30-140 |
| 234432-86-1 | PCB-4L | 70 | | 30-140 |
| 208263-67-6 | PCB-15L | 96 | | 30-140 |
| 234432-87-2 | PCB-19L | 75 | | 30-140 |
| 208263-79-0 | PCB-37L | 95 | | 30-140 |
| 234432-88-3 | PCB-54L | 73 | | 30-140 |
| 105600-23-5 | PCB-77L | 99 | | 30-140 |
| 208461-24-9 | PCB-81L | 93 | | 30-140 |
| 234432-89-4 | PCB-104L | 89 | | 30-140 |
| 208263-62-1 | PCB-105L | 83 | | 30-140 |
| 208263-63-2 | PCB-114L | 80 | | 30-140 |
| 104130-40-7 | PCB-118L | 86 | | 30-140 |
| 208263-64-3 | PCB-123L | 82 | | 30-140 |
| 208263-65-4 | PCB-126L | 92 | | 30-140 |
| 234432-90-7 | PCB-155L | 107 | | 30-140 |
| 208263-68-7 | PCB-156L | 88 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 88 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 83 | | 30-140 |
| 208263-70-1 | PCB-169L | 99 | | 30-140 |
| 160901-80-4 | PCB-170L | 79 | | 30-140 |
| 234432-91-8 | PCB-188L | 87 | | 30-140 |
| 208263-73-4 | PCB-189L | 89 | | 30-140 |
| 105600-26-8 | PCB-202L | 90 | | 30-140 |
| 234446-64-1 | PCB-205L | 82 | | 30-140 |
| 208263-75-6 | PCB-206L | 79 | | 30-140 |
| 234432-92-9 | PCB-208L | 88 | | 30-140 |
| 105600-27-9 | PCB-209L | 81 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 81 | | 40-125 |
| 235416-29-2 | PCB-111L | 98 | | 40-125 |
| 232919-67-4 | PCB-178L | 87 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d
Lims ID: 580-88908-A-35-C
Client ID: J5-SC1b-00to10-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 04:59:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-011
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:10:59 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: davidsonm Date: 04-Oct-2019 13:48:49

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 14.4 | 14.4 | 0.0525 | 0.0525 | | |
| D PCB-1L | 11:59 | 461243 | 3.14 | 1.3140 | 11.4 | 11.4 | 0.3739 | 0.3739 | 56.76 | M |
| D PCB-3L | 14:03 | 533940 | 2.98 | 1.3615 | 12.7 | 12.7 | 0.3608 | 0.3608 | 63.41 | |
| PCB-1 | 12:00 | 222799 | 3.22 | 1.1883 | 8.130 | 8.130 | 0.0472 | 0.0472 | | |
| PCB-2 | 13:54 | 64239 | 3.32 | 1.1911 | 2.168 | 2.168 | 0.0524 | 0.0524 | | Ma |
| PCB-3 | 14:04 | 133284 | 3.18 | 1.2130 | 4.116 | 4.116 | 0.0579 | 0.0579 | | |
| S Total Dichlorobiphenyls | | | | | 31.1 | 31.1 | 0.0638 | 0.0638 | | RQ |
| D PCB-4L | 14:18 | 258306 | 1.63 | 0.5996 | 13.9 | 13.9 | 0.3355 | 0.3355 | 69.67 | |
| * PCB-9L | 16:13 | 618410 | 1.57 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:03 | 607946 | 1.73 | 1.0280 | 19.1 | 19.1 | 0.1957 | 0.1957 | 95.63 | |
| PCB-4 | 14:19 | 148527 | 1.58 | 1.2533 | 9.176 | 9.176 | 0.1370 | 0.1370 | | |
| PCB-10 | 14:29 | 8487 | 1.56 | 1.4828 | 0.3035 | 0.2643 | 0.0619 | 0.0619 | | RQ |
| PCB-9 | 16:14 | 26733 | 1.59 | 1.4200 | 0.8693 | 0.8693 | 0.0646 | 0.0646 | | |
| PCB-7 | 16:23 | 22639 | 1.35 | 1.6244 | 0.6436 | 0.6436 | 0.0565 | 0.0565 | | |
| PCB-6 | 16:37 | 87812 | 1.66 | 1.5539 | 2.609 | 2.609 | 0.0591 | 0.0591 | | |
| PCB-5 | 16:56 | 8526 | 1.37 | 1.5606 | 0.2523 | 0.2523 | 0.0588 | 0.0588 | | Ma |
| PCB-8 | 17:02 | 280065 | 1.57 | 1.5884 | 8.142 | 8.142 | 0.0578 | 0.0578 | | Ma |
| PCB-14 | 18:33 | | | | | | 0.0490 | 0.0490 | | |
| PCB-11 | 19:28 | 82651 | 1.62 | 1.6347 | 2.335 | 2.335 | 0.0561 | 0.0561 | | |
| PCB-12 | 19:45 | 49123 | 1.57 | 1.6410 | 1.382 | 1.382 | 0.0559 | 0.0559 | | |
| PCB-13 (C12) | 19:45 | 49123 | 1.57 | 1.6410 | 1.382 | 1.382 | 0.0559 | 0.0559 | | |
| PCB-15 | 20:05 | 231084 | 1.55 | 1.4024 | 5.421 | 5.421 | 0.0446 | 0.0446 | | |
| S Total Trichlorobiphenyl | | | | | 197.1 | 197.1 | 0.1217 | 0.1217 | | RQ |
| D PCB-19L | 17:19 | 208074 | 1.00 | 0.6095 | 14.9 | 14.9 | 0.7822 | 0.7822 | 74.51 | |
| * PCB-32L | 20:31 | 458167 | 1.17 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:46 | 937964 | 1.01 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:03 | 838833 | 1.06 | 1.0975 | 16.3 | 16.3 | 0.1301 | 0.1301 | 81.48 | |
| D PCB-37L | 27:01 | 801283 | 1.09 | 0.9024 | 18.9 | 18.9 | 0.1583 | 0.1583 | 94.66 | |
| PCB-19 | 17:20 | 242333 | 1.04 | 1.3047 | 17.9 | 17.9 | 0.0696 | 0.0696 | | |
| PCB-18 | 19:10 | 185070 | 1.13 | 1.8188 | 9.781 | 9.781 | 0.0499 | 0.0499 | | |
| PCB-30 (C18) | 19:10 | 185070 | 1.13 | 1.8188 | 9.781 | 9.781 | 0.0499 | 0.0499 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:35 | 317308 | 1.05 | 1.5641 | 19.5 | 19.5 | 0.0581 | 0.0581 | | |
| PCB-27 | 19:47 | 85345 | 1.02 | 2.1680 | 3.784 | 3.784 | 0.0419 | 0.0419 | | |
| PCB-24 | 19:51 | | | | | | 0.0432 | 0.0432 | | |
| PCB-16 | 20:01 | 46479 | 1.00 | 1.2260 | 3.644 | 3.644 | 0.0741 | 0.0741 | | |
| PCB-32 | 20:32 | 1162192 | 1.06 | 2.3416 | 47.7 | 47.7 | 0.0388 | 0.0388 | | |
| PCB-34 | 21:47 | 10722 | 1.04 | 1.2154 | 0.2384 | 0.2202 | 0.1703 | 0.1703 | | RQMa |
| PCB-23 | 21:53 | | | | | | 0.1633 | 0.1633 | | |
| PCB-26 | 22:14 | 212513 | 1.10 | 1.3193 | 4.021 | 4.021 | 0.1569 | 0.1569 | | |
| PCB-29 (C26) | 22:14 | 212513 | 1.10 | 1.3193 | 4.021 | 4.021 | 0.1569 | 0.1569 | | |
| PCB-25 | 22:30 | 440065 | 1.06 | 1.3523 | 8.123 | 8.123 | 0.1531 | 0.1531 | | a |
| PCB-31 | 22:46 | 959276 | 1.09 | 1.3809 | 17.3 | 17.3 | 0.1499 | 0.1499 | | |
| PCB-20 | 23:04 | 1876868 | 1.07 | 1.3057 | 35.9 | 35.9 | 0.1585 | 0.1585 | | |
| PCB-28 (C20) | 23:04 | 1876868 | 1.07 | 1.3057 | 35.9 | 35.9 | 0.1585 | 0.1585 | | |
| PCB-21 | 23:15 | 1026569 | 1.06 | 1.3777 | 18.6 | 18.6 | 0.1503 | 0.1503 | | |
| PCB-33 (C21) | 23:15 | 1026569 | 1.06 | 1.3777 | 18.6 | 18.6 | 0.1503 | 0.1503 | | |
| PCB-22 | 23:42 | 186011 | 1.07 | 1.2430 | 3.735 | 3.735 | 0.1666 | 0.1666 | | a |
| PCB-36 | 25:15 | | | | | | 0.1537 | 0.1537 | | nMUa |
| PCB-39 | 25:37 | 28883 | 1.06 | 1.3970 | 0.5160 | 0.5160 | 0.1482 | 0.1482 | | a |
| PCB-38 | 26:16 | 17584 | 1.04 | 1.3177 | 0.3331 | 0.3331 | 0.1571 | 0.1571 | | Ma |
| PCB-35 | 26:39 | 21186 | 1.08 | 1.2166 | 0.4346 | 0.4346 | 0.1702 | 0.1702 | | |
| PCB-37 | 27:03 | 289432 | 1.10 | 1.2879 | 5.609 | 5.609 | 0.1607 | 0.1607 | | |
| S Total Tetrachlorobiphen | | | | | 2357.6 | 2357.3 | 2.172 | 2.172 | | RQ |
| D PCB-54L | 20:21 | 218479 | 0.83 | 0.6515 | 14.6 | 14.6 | 0.1047 | 0.1047 | 73.20 | |
| * PCB-52L | 24:52 | 555815 | 0.86 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:46 | 634075 | 0.84 | 1.2328 | 18.5 | 18.5 | 0.0598 | 0.0598 | 92.54 | |
| D PCB-77L | 34:20 | 691062 | 0.86 | 1.2523 | 19.9 | 19.9 | 0.0589 | 0.0589 | 99.29 | |
| PCB-54 | 20:22 | 690992 | 0.82 | 1.2558 | 50.4 | 50.4 | 0.0386 | 0.0386 | | |
| PCB-50 | 22:30 | 4771734 | 0.80 | 0.9362 | 153.9 | 153.9 | 2.799 | 2.799 | | |
| PCB-53 (C50) | 22:30 | 4771734 | 0.80 | 0.9362 | 153.9 | 153.9 | 2.799 | 2.799 | | |
| PCB-45 | 23:15 | 11802228 | 0.80 | 0.8850 | 402.5 | 402.5 | 2.961 | 2.961 | | |
| PCB-51 (C45) | 23:15 | 11802228 | 0.80 | 0.8850 | 402.5 | 402.5 | 2.961 | 2.961 | | |
| PCB-46 | 23:28 | 243744 | 0.73 | 0.7591 | 9.693 | 9.693 | 3.452 | 3.452 | | |
| PCB-52 | 24:53 | 7694762 | 0.80 | 0.8992 | 258.3 | 258.3 | 2.914 | 2.914 | | |
| PCB-43 | 25:02 | 805774 | 0.75 | 0.9993 | 24.3 | 24.3 | 2.622 | 2.622 | | |
| PCB-73 (C43) | 25:02 | 805774 | 0.75 | 0.9993 | 24.3 | 24.3 | 2.622 | 2.622 | | |
| PCB-49 | 25:23 | 11295175 | 0.80 | 1.1366 | 300.0 | 300.0 | 2.306 | 2.306 | | |
| PCB-69 (C49) | 25:23 | 11295175 | 0.80 | 1.1366 | 300.0 | 300.0 | 2.306 | 2.306 | | |
| PCB-48 | 25:40 | 114972 | 0.77 | 0.9454 | 3.999 | 3.671 | 2.772 | 2.772 | | RQ |
| PCB-44 | 25:56 | 26020172 | 0.80 | 1.0323 | 760.9 | 760.9 | 2.539 | 2.539 | | |
| PCB-47 (C44) | 25:56 | 26020172 | 0.80 | 1.0323 | 760.9 | 760.9 | 2.539 | 2.539 | | |
| PCB-65 (C44) | 25:56 | 26020172 | 0.80 | 1.0323 | 760.9 | 760.9 | 2.539 | 2.539 | | |
| PCB-59 | 26:15 | 1000962 | 0.81 | 1.3609 | 22.2 | 22.2 | 1.926 | 1.926 | | |
| PCB-62 (C59) | 26:15 | 1000962 | 0.81 | 1.3609 | 22.2 | 22.2 | 1.926 | 1.926 | | |
| PCB-75 (C59) | 26:15 | 1000962 | 0.81 | 1.3609 | 22.2 | 22.2 | 1.926 | 1.926 | | |
| PCB-42 | 26:24 | 428649 | 0.81 | 0.8670 | 14.9 | 14.9 | 3.023 | 3.023 | | |
| PCB-40 | 26:54 | 2352785 | 0.80 | 0.9179 | 77.4 | 77.4 | 2.855 | 2.855 | | |
| PCB-41 (C40) | 26:54 | 2352785 | 0.80 | 0.9179 | 77.4 | 77.4 | 2.855 | 2.855 | | |
| PCB-71 (C40) | 26:54 | 2352785 | 0.80 | 0.9179 | 77.4 | 77.4 | 2.855 | 2.855 | | |
| PCB-64 | 27:07 | 996234 | 0.80 | 1.4164 | 21.2 | 21.2 | 1.850 | 1.850 | | |
| PCB-72 | 27:57 | 194218 | 0.77 | 1.3157 | 4.456 | 4.456 | 1.992 | 1.992 | | |
| PCB-68 | 28:14 | 590459 | 0.83 | 1.4782 | 12.1 | 12.1 | 1.773 | 1.773 | | |
| PCB-57 | 28:38 | | | | | | 2.045 | 2.045 | | |
| PCB-58 | 28:52 | | | | | | 1.983 | 1.983 | | |
| PCB-67 | 29:01 | 156936 | 0.73 | 1.3944 | 3.397 | 3.397 | 1.879 | 1.879 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:20 | 299596 | 0.76 | 1.4685 | 6.158 | 6.158 | 1.785 | 1.785 | | |
| PCB-61 | 29:39 | 6158052 | 0.79 | 1.3565 | 137.0 | 137.0 | 1.932 | 1.932 | | |
| PCB-70 (C61) | 29:39 | 6158052 | 0.79 | 1.3565 | 137.0 | 137.0 | 1.932 | 1.932 | | |
| PCB-74 (C61) | 29:39 | 6158052 | 0.79 | 1.3565 | 137.0 | 137.0 | 1.932 | 1.932 | | |
| PCB-76 (C61) | 29:39 | 6158052 | 0.79 | 1.3565 | 137.0 | 137.0 | 1.932 | 1.932 | | |
| PCB-66 | 29:59 | 2804364 | 0.77 | 1.2800 | 66.1 | 66.1 | 2.047 | 2.047 | | |
| PCB-55 | 30:08 | | | | | | 2.023 | 2.023 | | |
| PCB-56 | 30:39 | 678249 | 0.77 | 1.2671 | 16.2 | 16.2 | 2.068 | 2.068 | | |
| PCB-60 | 30:51 | 155646 | 0.76 | 1.3288 | 3.536 | 3.536 | 1.972 | 1.972 | | |
| PCB-80 | 31:16 | | | | | | 1.784 | 1.784 | | |
| PCB-79 | 32:48 | 205412 | 0.88 | 1.5421 | 4.021 | 4.021 | 1.699 | 1.699 | | Ma |
| PCB-78 | 33:20 | | | | | | 1.993 | 1.993 | | |
| PCB-81 | 33:46 | | | | | | 2.055 | 2.055 | | |
| PCB-77 | 34:21 | 231746 | 0.82 | 1.3308 | 5.040 | 5.040 | 1.902 | 1.902 | | |
| S Total Pentachlorobiphen | | | | | 3570.5 | 3570.1 | 0.1553 | 0.1553 | | RQ |
| D PCB-104L | 25:49 | 442535 | 1.64 | 1.1164 | 17.8 | 17.8 | 0.0349 | 0.0349 | 88.80 | |
| * PCB-101L | 31:43 | 446408 | 1.61 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:24 | 534158 | 1.51 | 1.2177 | 19.7 | 19.7 | 0.0320 | 0.0320 | 98.26 | |
| D PCB-123L | 36:21 | 619733 | 1.61 | 0.9909 | 16.3 | 16.3 | 0.2832 | 0.2832 | 81.63 | |
| D PCB-118L | 36:40 | 674597 | 1.64 | 1.0256 | 17.2 | 17.2 | 0.2736 | 0.2736 | 85.86 | |
| D PCB-114L | 37:12 | 616217 | 1.64 | 1.0030 | 16.0 | 16.0 | 0.2798 | 0.2798 | 80.20 | |
| D PCB-105L | 37:51 | 640057 | 1.55 | 1.0013 | 16.7 | 16.7 | 0.2803 | 0.2803 | 83.44 | |
| * PCB-127L | 39:20 | 766100 | 1.56 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:56 | 638907 | 1.61 | 0.9020 | 18.5 | 18.5 | 0.3111 | 0.3111 | 92.46 | |
| PCB-104 | 25:50 | 354611 | 1.60 | 1.3926 | 11.5 | 11.5 | 0.0363 | 0.0363 | | |
| PCB-96 | 26:12 | 757751 | 1.60 | 1.2268 | 27.9 | 27.9 | 0.0412 | 0.0412 | | |
| PCB-103 | 28:08 | 1321976 | 1.59 | 1.0331 | 57.8 | 57.8 | 0.0489 | 0.0489 | | |
| PCB-94 | 28:21 | 934548 | 1.59 | 0.9036 | 46.7 | 46.7 | 0.0559 | 0.0559 | | |
| PCB-95 | 28:47 | 9026570 | 1.58 | 0.9620 | 424.0 | 424.0 | 0.0525 | 0.0525 | | |
| PCB-93 | 29:01 | 3629221 | 1.59 | 0.9806 | 167.3 | 167.3 | 0.0515 | 0.0515 | | |
| PCB-100 (C93) | 29:01 | 3629221 | 1.59 | 0.9806 | 167.3 | 167.3 | 0.0515 | 0.0515 | | |
| PCB-98 | 29:09 | 916980 | 1.57 | 0.9888 | 41.9 | 41.9 | 0.0511 | 0.0511 | | |
| PCB-102 (C98) | 29:09 | 916980 | 1.57 | 0.9888 | 41.9 | 41.9 | 0.0511 | 0.0511 | | |
| PCB-88 | 29:39 | 4702889 | 1.61 | 1.0052 | 211.4 | 211.4 | 0.0503 | 0.0503 | | |
| PCB-91 (C88) | 29:39 | 4702889 | 1.61 | 1.0052 | 211.4 | 211.4 | 0.0503 | 0.0503 | | |
| PCB-84 | 29:52 | 2045058 | 1.60 | 0.8601 | 107.5 | 107.5 | 0.0588 | 0.0588 | | |
| PCB-89 | 30:20 | | | | | | 0.0566 | 0.0566 | | |
| PCB-121 | 30:47 | 153939 | 1.59 | 1.3971 | 4.980 | 4.980 | 0.0362 | 0.0362 | | |
| PCB-92 | 31:09 | 3425841 | 1.60 | 0.9532 | 162.4 | 162.4 | 0.0530 | 0.0530 | | |
| PCB-90 | 31:43 | 16737297 | 1.56 | 1.1367 | 665.5 | 665.5 | 0.0445 | 0.0445 | | |
| PCB-101 (C90) | 31:43 | 16737297 | 1.56 | 1.1367 | 665.5 | 665.5 | 0.0445 | 0.0445 | | |
| PCB-113 (C90) | 31:43 | 16737297 | 1.56 | 1.1367 | 665.5 | 665.5 | 0.0445 | 0.0445 | | |
| PCB-83 | 32:18 | 7020682 | 1.61 | 0.9393 | 337.8 | 337.8 | 0.0538 | 0.0538 | | M |
| PCB-99 (C83) | 32:18 | 7020682 | 1.61 | 0.9393 | 337.8 | 337.8 | 0.0538 | 0.0538 | | M |
| PCB-112 | 32:25 | | | | | | 0.0370 | 0.0370 | | RQMUa |
| PCB-86 | 32:48 | 7472665 | 1.60 | 1.1958 | 282.4 | 282.4 | 0.0423 | 0.0423 | | M |
| PCB-87 (C86) | 32:48 | 7472665 | 1.60 | 1.1958 | 282.4 | 282.4 | 0.0423 | 0.0423 | | M |
| PCB-97 (C86) | 32:48 | 7472665 | 1.60 | 1.1958 | 282.4 | 282.4 | 0.0423 | 0.0423 | | M |
| PCB-109 (C86) | 32:48 | 7472665 | 1.60 | 1.1958 | 282.4 | 282.4 | 0.0423 | 0.0423 | | M |
| PCB-119 (C86) | 32:48 | 7472665 | 1.60 | 1.1958 | 282.4 | 282.4 | 0.0423 | 0.0423 | | M |
| PCB-125 (C86) | 32:48 | 7472665 | 1.60 | 1.1958 | 282.4 | 282.4 | 0.0423 | 0.0423 | | M |
| PCB-85 | 33:32 | 2156892 | 1.56 | 1.2126 | 80.4 | 80.4 | 0.0417 | 0.0417 | | |
| PCB-116 (C85) | 33:32 | 2156892 | 1.56 | 1.2126 | 80.4 | 80.4 | 0.0417 | 0.0417 | | |
| PCB-117 (C85) | 33:32 | 2156892 | 1.56 | 1.2126 | 80.4 | 80.4 | 0.0417 | 0.0417 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:42 | 14017091 | 1.56 | 1.3511 | 468.9 | 468.9 | 0.0374 | 0.0374 | | |
| PCB-115 (C110) | 33:42 | 14017091 | 1.56 | 1.3511 | 468.9 | 468.9 | 0.0374 | 0.0374 | | |
| PCB-82 | 34:00 | 727777 | 1.61 | 0.8675 | 37.9 | 37.9 | 0.0583 | 0.0583 | | |
| PCB-111 | 34:25 | 123647 | 1.66 | 1.4262 | 3.918 | 3.918 | 0.0354 | 0.0354 | | |
| PCB-120 | 34:53 | 241689 | 1.56 | 1.4907 | 7.327 | 7.327 | 0.0339 | 0.0339 | | |
| PCB-108 | 36:01 | 427172 | 1.61 | 1.2547 | 10.7 | 10.7 | 0.3964 | 0.3964 | | |
| PCB-124 (C108) | 36:01 | 427172 | 1.61 | 1.2547 | 10.7 | 10.7 | 0.3964 | 0.3964 | | |
| PCB-107 | 36:15 | 1343565 | 1.59 | 1.3580 | 31.0 | 31.0 | 0.3663 | 0.3663 | | M |
| PCB-123 | 36:22 | 126463 | 1.55 | 1.3407 | 3.382 | 3.044 | 0.3735 | 0.3735 | | RQMa |
| PCB-106 | 36:28 | | | | | | 0.3902 | 0.3902 | | |
| PCB-118 | 36:42 | 11966218 | 1.57 | 1.2892 | 275.2 | 275.2 | 0.3608 | 0.3608 | | |
| PCB-122 | 37:02 | 126048 | 1.46 | 1.1614 | 3.403 | 3.403 | 0.4283 | 0.4283 | | |
| PCB-114 | 37:13 | 272072 | 1.54 | 1.4051 | 6.285 | 6.285 | 0.3713 | 0.3713 | | |
| PCB-105 | 37:52 | 3762051 | 1.56 | 1.2887 | 91.2 | 91.2 | 0.3725 | 0.3725 | | |
| PCB-127 | 39:24 | 34465 | 1.40 | 1.2841 | 0.8415 | 0.8415 | 0.3874 | 0.3874 | | Ma |
| PCB-126 | 40:58 | 36808 | 1.46 | 1.3416 | 0.8588 | 0.8588 | 0.3912 | 0.3912 | | |
| S Total Hexachlorobipheny | | | | | 3199.5 | 3199.4 | 0.2243 | 0.2243 | | RQ |
| D PCB-155L | 31:29 | 452646 | 1.27 | 0.9499 | 21.3 | 21.3 | 0.0248 | 0.0248 | 107 | |
| * PCB-138L | 39:48 | 550051 | 1.22 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:48 | 575464 | 1.29 | 1.2544 | 16.7 | 16.7 | 0.0902 | 0.0902 | 83.40 | |
| D PCB-156L | 43:58 | 1189137 | 1.29 | 1.2289 | 35.2 | 35.2 | 0.0921 | 0.0921 | 87.96 | |
| D PCB-157L (C156L) | 43:58 | 1189137 | 1.29 | 1.2289 | 35.2 | 35.2 | 0.0921 | 0.0921 | 87.96 | |
| D PCB-169L | 47:12 | 590987 | 1.30 | 1.0883 | 19.7 | 19.7 | 0.1040 | 0.1040 | 98.72 | |
| PCB-155 | 31:30 | 44194 | 1.31 | 1.3028 | 1.499 | 1.499 | 0.0141 | 0.0141 | | |
| PCB-152 | 31:42 | 436839 | 1.28 | 1.2556 | 15.4 | 15.4 | 0.0146 | 0.0146 | | |
| PCB-150 | 31:52 | 437762 | 1.27 | 1.2368 | 15.6 | 15.6 | 0.0148 | 0.0148 | | |
| PCB-136 | 32:13 | 3022069 | 1.26 | 1.1563 | 115.5 | 115.5 | 0.0159 | 0.0159 | | |
| PCB-145 | 32:31 | | | | | | 0.0154 | 0.0154 | | |
| PCB-148 | 34:02 | 279258 | 1.26 | 0.8982 | 13.7 | 13.7 | 0.0204 | 0.0204 | | |
| PCB-135 | 34:37 | 6538938 | 1.27 | 0.8691 | 332.4 | 332.4 | 0.0211 | 0.0211 | | |
| PCB-151 (C135) | 34:37 | 6538938 | 1.27 | 0.8691 | 332.4 | 332.4 | 0.0211 | 0.0211 | | |
| PCB-154 | 34:53 | 1155742 | 1.26 | 1.0180 | 50.2 | 50.2 | 0.0180 | 0.0180 | | |
| PCB-144 | 35:11 | 536744 | 1.27 | 0.9185 | 25.8 | 25.8 | 0.0200 | 0.0200 | | |
| PCB-147 | 35:34 | 19464527 | 1.25 | 0.9747 | 678.2 | 678.2 | 0.3352 | 0.3352 | | M |
| PCB-149 (C147) | 35:34 | 19464527 | 1.25 | 0.9747 | 678.2 | 678.2 | 0.3352 | 0.3352 | | M |
| PCB-134 | 35:45 | 1096923 | 1.25 | 0.8518 | 43.7 | 43.7 | 0.3835 | 0.3835 | | |
| PCB-143 (C134) | 35:45 | 1096923 | 1.25 | 0.8518 | 43.7 | 43.7 | 0.3835 | 0.3835 | | |
| PCB-139 | 36:10 | 460618 | 1.23 | 0.9995 | 15.7 | 15.7 | 0.3268 | 0.3268 | | |
| PCB-140 (C139) | 36:10 | 460618 | 1.23 | 0.9995 | 15.7 | 15.7 | 0.3268 | 0.3268 | | |
| PCB-131 | 36:21 | 166818 | 1.19 | 0.8584 | 6.600 | 6.600 | 0.3806 | 0.3806 | | |
| PCB-142 | 36:29 | | | | | | 0.3800 | 0.3800 | | |
| PCB-132 | 36:48 | 4980137 | 1.26 | 0.8801 | 192.2 | 192.2 | 0.3712 | 0.3712 | | |
| PCB-133 | 37:19 | 887405 | 1.25 | 0.9064 | 33.2 | 33.2 | 0.3604 | 0.3604 | | a |
| PCB-165 | 37:43 | 160302 | 1.21 | 1.1210 | 4.857 | 4.857 | 0.2914 | 0.2914 | | |
| PCB-146 | 37:58 | 4922072 | 1.25 | 1.0084 | 165.8 | 165.8 | 0.3240 | 0.3240 | | M |
| PCB-161 | 38:05 | 13107 | 1.24 | 1.3370 | 0.4305 | 0.3329 | 0.2443 | 0.2443 | | RQMa |
| PCB-153 | 38:35 | 19407448 | 1.25 | 1.2207 | 540.0 | 540.0 | 0.2676 | 0.2676 | | |
| PCB-168 (C153) | 38:35 | 19407448 | 1.25 | 1.2207 | 540.0 | 540.0 | 0.2676 | 0.2676 | | |
| PCB-141 | 38:47 | 2680122 | 1.22 | 0.9608 | 94.7 | 94.7 | 0.3400 | 0.3400 | | |
| PCB-130 | 39:11 | 930487 | 1.27 | 0.8274 | 38.2 | 38.2 | 0.3948 | 0.3948 | | |
| PCB-137 | 39:24 | 549637 | 1.24 | 1.0582 | 17.6 | 17.6 | 0.3087 | 0.3087 | | |
| PCB-164 | 39:31 | 1635079 | 1.26 | 1.2527 | 44.3 | 44.3 | 0.2608 | 0.2608 | | |
| PCB-129 | 39:49 | 18033974 | 1.24 | 1.0840 | 565.0 | 565.0 | 0.3014 | 0.3014 | | |
| PCB-138 (C129) | 39:49 | 18033974 | 1.24 | 1.0840 | 565.0 | 565.0 | 0.3014 | 0.3014 | | |
| PCB-160 (C129) | 39:49 | 18033974 | 1.24 | 1.0840 | 565.0 | 565.0 | 0.3014 | 0.3014 | | |
| PCB-163 (C129) | 39:49 | 18033974 | 1.24 | 1.0840 | 565.0 | 565.0 | 0.3014 | 0.3014 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:13 | 1966832 | 1.25 | 1.3862 | 48.2 | 48.2 | 0.2357 | 0.2357 | | |
| PCB-128 | 41:05 | 2020751 | 1.25 | 1.1165 | 61.5 | 61.5 | 0.2926 | 0.2926 | | |
| PCB-166 (C128) | 41:05 | 2020751 | 1.25 | 1.1165 | 61.5 | 61.5 | 0.2926 | 0.2926 | | |
| PCB-159 | 42:02 | 285991 | 1.22 | 1.3178 | 7.370 | 7.370 | 0.2479 | 0.2479 | | |
| PCB-162 | 42:22 | 61432 | 1.14 | 1.3623 | 1.532 | 1.532 | 0.2398 | 0.2398 | | M |
| PCB-167 | 42:51 | 698815 | 1.23 | 1.3357 | 18.2 | 18.2 | 0.2168 | 0.2168 | | a |
| PCB-156 | 43:57 | 1973230 | 1.25 | 1.2759 | 52.0 | 52.0 | 0.2948 | 0.2948 | | |
| PCB-157 (C156) | 43:57 | 1973230 | 1.25 | 1.2759 | 52.0 | 52.0 | 0.2948 | 0.2948 | | |
| PCB-169 | 47:11 | | | | | | 0.2244 | 0.2244 | | |
| S Total Heptachlorobiphen | | | | | 1735.6 | 1735.6 | 0.0198 | 0.0198 | | |
| D PCB-188L | 37:12 | 537500 | 1.10 | 1.3162 | 17.3 | 17.3 | 0.0547 | 0.0547 | 86.73 | |
| $ PCB-178L | 40:16 | 375805 | 1.15 | 0.9222 | 17.3 | 17.3 | 0.0781 | 0.0781 | 86.54 | |
| * PCB-180L | 45:21 | 470888 | 1.06 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:37 | 312508 | 1.00 | 0.8357 | 15.9 | 15.9 | 0.0862 | 0.0862 | 79.41 | |
| D PCB-189L | 49:44 | 676865 | 1.11 | 1.4666 | 17.8 | 17.8 | 0.2499 | 0.2499 | 89.22 | |
| PCB-188 | 37:14 | 123250 | 1.08 | 1.2502 | 3.668 | 3.668 | 0.0129 | 0.0129 | | |
| PCB-179 | 37:34 | 3284477 | 1.06 | 1.4149 | 109.2 | 109.2 | 0.0142 | 0.0142 | | |
| PCB-184 | 38:05 | | | | | | 0.0142 | 0.0142 | | |
| PCB-176 | 38:27 | 830267 | 1.07 | 1.5212 | 25.7 | 25.7 | 0.0132 | 0.0132 | | |
| PCB-186 | 38:53 | | | | | | 0.0140 | 0.0140 | | |
| PCB-178 | 40:18 | 1335094 | 1.07 | 1.0228 | 61.4 | 61.4 | 0.0196 | 0.0196 | | |
| PCB-175 | 40:55 | 186367 | 1.07 | 1.0690 | 8.204 | 8.204 | 0.0188 | 0.0188 | | |
| PCB-187 | 41:12 | 6692964 | 1.05 | 1.1106 | 283.6 | 283.6 | 0.0181 | 0.0181 | | |
| PCB-182 | 41:24 | 95607 | 1.17 | 1.1484 | 3.918 | 3.918 | 0.0175 | 0.0175 | | |
| PCB-183 | 41:48 | 3090551 | 1.06 | 1.1368 | 127.9 | 127.9 | 0.0177 | 0.0177 | | |
| PCB-185 (C183) | 41:48 | 3090551 | 1.06 | 1.1368 | 127.9 | 127.9 | 0.0177 | 0.0177 | | |
| PCB-174 | 42:02 | 3915048 | 1.05 | 0.9547 | 193.0 | 193.0 | 0.0210 | 0.0210 | | |
| PCB-177 | 42:29 | 2710610 | 1.07 | 0.9426 | 135.3 | 135.3 | 0.0213 | 0.0213 | | |
| PCB-181 | 42:52 | 50351 | 0.97 | 1.1075 | 2.139 | 2.139 | 0.0181 | 0.0181 | | |
| PCB-171 | 43:06 | 1282022 | 1.06 | 0.9603 | 62.8 | 62.8 | 0.0209 | 0.0209 | | |
| PCB-173 (C171) | 43:06 | 1282022 | 1.06 | 0.9603 | 62.8 | 62.8 | 0.0209 | 0.0209 | | |
| PCB-172 | 44:44 | 725659 | 1.04 | 0.9918 | 34.4 | 34.4 | 0.0203 | 0.0203 | | |
| PCB-192 | 44:59 | | | | | | 0.0156 | 0.0156 | | |
| PCB-180 | 45:23 | 11176163 | 1.05 | 1.2286 | 428.1 | 428.1 | 0.0164 | 0.0164 | | a |
| PCB-193 (C180) | 45:23 | 11176163 | 1.05 | 1.2286 | 428.1 | 428.1 | 0.0164 | 0.0164 | | a |
| PCB-191 | 45:44 | 265413 | 1.10 | 1.3848 | 9.019 | 9.019 | 0.0145 | 0.0145 | | |
| PCB-170 | 46:38 | 3945548 | 1.06 | 1.2700 | 198.8 | 198.8 | 0.0209 | 0.0209 | | |
| PCB-190 | 47:10 | 1177652 | 1.04 | 1.3774 | 40.2 | 40.2 | 0.0146 | 0.0146 | | |
| PCB-189 | 49:45 | 348645 | 1.10 | 1.2799 | 8.049 | 8.049 | 0.0720 | 0.0720 | | |
| S Total Octachlorobipheny | | | | | 460.6 | 460.6 | 0.0722 | 0.0722 | | |
| D PCB-202L | 42:35 | 427115 | 0.91 | 1.0055 | 18.0 | 18.0 | 0.0193 | 0.0193 | 90.21 | |
| * PCB-194L | 51:51 | 517294 | 0.90 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:20 | 543485 | 0.87 | 1.2867 | 16.3 | 16.3 | 0.2535 | 0.2535 | 81.65 | |
| PCB-202 | 42:37 | 490122 | 0.89 | 1.0531 | 21.8 | 21.8 | 0.0141 | 0.0141 | | |
| PCB-201 | 43:31 | 353666 | 0.90 | 1.1860 | 14.0 | 14.0 | 0.0126 | 0.0126 | | |
| PCB-204 | 44:12 | | | | | | 0.0135 | 0.0135 | | |
| PCB-197 | 44:26 | 116147 | 0.88 | 1.2053 | 4.512 | 4.512 | 0.0124 | 0.0124 | | |
| PCB-200 | 44:32 | 333235 | 0.92 | 1.1260 | 13.9 | 13.9 | 0.0132 | 0.0132 | | |
| PCB-198 | 47:21 | 1907130 | 0.91 | 0.8183 | 109.1 | 109.1 | 0.0182 | 0.0182 | | |
| PCB-199 (C198) | 47:21 | 1907130 | 0.91 | 0.8183 | 109.1 | 109.1 | 0.0182 | 0.0182 | | |
| PCB-196 | 48:00 | 1068402 | 0.92 | 0.8748 | 57.2 | 57.2 | 0.0170 | 0.0170 | | |
| PCB-203 | 48:12 | 1367644 | 0.89 | 0.9219 | 69.5 | 69.5 | 0.0162 | 0.0162 | | |
| PCB-195 | 49:31 | 1103321 | 0.90 | 0.7839 | 51.8 | 51.8 | 0.2729 | 0.2729 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:52 | 2854064 | 0.90 | 0.9282 | 113.2 | 113.2 | 0.2305 | 0.2305 | | |
| PCB-205 | 52:20 | 193647 | 0.89 | 1.2342 | 5.774 | 5.774 | 0.1734 | 0.1734 | | |
| S Total Nonachlorobipheny | | | | | 46.7 | 46.7 | 0.1264 | 0.1264 | | |
| D PCB-208L | 49:16 | 515881 | 0.80 | 1.1383 | 17.5 | 17.5 | 0.3392 | 0.3392 | 87.61 | |
| D PCB-206L | 54:05 | 364155 | 0.83 | 0.8938 | 15.8 | 15.8 | 0.4319 | 0.4319 | 78.76 | |
| PCB-208 | 49:17 | 241639 | 0.87 | 1.1567 | 8.099 | 8.099 | 0.1131 | 0.1131 | | |
| PCB-207 | 50:13 | 133003 | 0.87 | 1.3964 | 4.329 | 4.329 | 0.1100 | 0.1100 | | |
| PCB-206 | 54:06 | 745233 | 0.80 | 1.1927 | 34.3 | 34.3 | 0.1560 | 0.1560 | | |
| D PCB-209L | 55:44 | 410872 | 0.75 | 0.9809 | 16.2 | 16.2 | 0.0790 | 0.0790 | 80.98 | |
| DCB Decachlorobiphenyl | 55:44 | 240277 | 0.69 | 1.2455 | 9.390 | 9.390 | 0.0226 | 0.0226 | | |
| S Polychlorinated bipheny | | | | | 11608 | 9.390 | 0.3309 | 0.3309 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d
Lims ID: 580-88908-A-35-C
Client ID: J5-SC1b-00to10-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 04:59:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-011
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:10:59 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: davidsonm Date: 04-Oct-2019 13:48:49

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | M |
| 200.0795 | 11:59 | 11:57 | 15 | 0.739 | 349786 | 105578 | 195 | 487 | 541 | | |
| 202.0766 | 11:59 | 11:57 | 15 | 0.739 | 111457 | 31751 | 1326 | 3315 | 24 | 3.14(2.66-3.60) | M |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 14:03 | 14:02 | 10 | 0.867 | 399869 | 83724 | 195 | 487 | 429 | | |
| 202.0766 | 14:03 | 14:02 | 10 | 0.867 | 134071 | 25840 | 1326 | 3315 | 19 | 2.98(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 12:00 | 12:00 | 17 | 1.001 | 169958 | 50574 | 93 | 232 | 544 | | |
| 190.0363 | 12:00 | 12:00 | 17 | 1.001 | 52841 | 15777 | 61 | 152 | 259 | 3.22(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | Ma |
| 188.0393 | 13:54 | 13:54 | 12 | 0.989 | 49381 | 9842 | 93 | 232 | 106 | | M |
| 190.0363 | 13:54 | 13:54 | 12 | 0.989 | 14858 | 3320 | 61 | 152 | 54 | 3.32(2.66-3.60) | M |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:04 | 14:01 | 11 | 1.001 | 101385 | 21234 | 93 | 232 | 228 | | |
| 190.0363 | 14:04 | 14:01 | 11 | 1.001 | 31899 | 6699 | 61 | 152 | 110 | 3.18(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:18 | 14:17 | 9 | 0.882 | 160187 | 32166 | 439 | 1097 | 73 | | |
| 236.0376 | 14:18 | 14:17 | 9 | 0.882 | 98119 | 18736 | 184 | 460 | 102 | 1.63(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:13 | 16:05 | 8 | | 377341 | 94834 | 439 | 1097 | 216 | | |
| 236.0376 | 16:13 | 16:05 | 8 | | 241069 | 59951 | 184 | 460 | 326 | 1.57(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:03 | 20:02 | 2 | 1.237 | 385157 | 87130 | 439 | 1097 | 198 | | |
| 236.0376 | 20:04 | 20:02 | 3 | 1.237 | 222789 | 52464 | 184 | 460 | 285 | 1.73(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:19 | 14:14 | 11 | 1.001 | 90895 | 19089 | 102 | 255 | 187 | | |
| 223.9974 | 14:19 | 14:14 | 11 | 1.001 | 57632 | 11678 | 73 | 182 | 160 | 1.58(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | RQ |
| 222.0003 | 14:29 | 14:27 | 10 | 1.012 | 5172 | 1386 | 102 | 255 | 14 | | |
| 223.9974 | 14:29 | 14:27 | 10 | 1.012 | 4575 | 980 | 73 | 182 | 13 | 1.13(1.33-1.79) | |
| | Empc Correction | | | | 3315 | 888 | 73 | 182 | 12 | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:14 | 16:15 | 8 | 1.134 | 16408 | 4089 | 102 | 255 | 40 | | |
| 223.9974 | 16:14 | 16:15 | 8 | 1.134 | 10325 | 2302 | 73 | 182 | 32 | 1.59(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:23 | 16:25 | 7 | 1.145 | 13010 | 3337 | 102 | 255 | 33 | | |
| 223.9974 | 16:23 | 16:25 | 7 | 1.145 | 9629 | 2376 | 73 | 182 | 33 | 1.35(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:37 | 16:40 | 7 | 1.162 | 54786 | 14459 | 102 | 255 | 142 | | |
| 223.9974 | 16:37 | 16:40 | 7 | 1.162 | 33026 | 8549 | 73 | 182 | 117 | 1.66(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | Ma |
| 222.0003 | 16:56 | 16:56 | 7 | 1.184 | 4925 | 2214 | 102 | 255 | 22 | | M |
| 223.9974 | 16:55 | 16:56 | 7 | 1.183 | 3601 | 1208 | 73 | 182 | 17 | 1.37(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | Ma |
| 222.0003 | 17:02 | 17:02 | 7 | 1.191 | 171283 | 43879 | 102 | 255 | 430 | | M |
| 223.9974 | 17:02 | 17:02 | 7 | 1.191 | 108782 | 28813 | 73 | 182 | 395 | 1.57(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:35 | | | | | | 102 | 255 | | | |
| 223.9974 | 18:35 | | | | | | 73 | 182 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:28 | 19:29 | 4 | 0.971 | 51072 | 12744 | 102 | 255 | 125 | | |
| 223.9974 | 19:28 | 19:29 | 4 | 0.971 | 31579 | 7913 | 73 | 182 | 108 | 1.62(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:45 | 3 | 0.985 | 30019 | 5505 | 102 | 255 | 54 | | |
| 223.9974 | 19:44 | 19:45 | 2 | 0.984 | 19104 | 3393 | 73 | 182 | 46 | 1.57(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:45 | 3 | 0.985 | 30019 | 5505 | 102 | 255 | 54 | | |
| 223.9974 | 19:44 | 19:45 | 2 | 0.984 | 19104 | 3393 | 73 | 182 | 46 | 1.57(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:05 | 20:01 | 4 | 1.001 | 140630 | 34282 | 102 | 255 | 336 | | |
| 223.9974 | 20:05 | 20:01 | 4 | 1.001 | 90454 | 22245 | 73 | 182 | 305 | 1.55(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:18 | 4 | 0.844 | 103970 | 26264 | 581 | 1452 | 45 | | |
| 269.9986 | 17:19 | 17:18 | 4 | 0.844 | 104104 | 26574 | 481 | 1202 | 55 | 1.00(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:28 | 4 | | 246840 | 56613 | 581 | 1452 | 97 | | |
| 269.9986 | 20:31 | 20:28 | 4 | | 211327 | 54775 | 481 | 1202 | 114 | 1.17(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:46 | 22:43 | 3 | | 470849 | 117828 | 467 | 1167 | 252 | | |
| 269.9986 | 22:46 | 22:43 | 3 | | 467115 | 116277 | 202 | 505 | 576 | 1.01(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:03 | 23:03 | 3 | 1.013 | 431657 | 100973 | 467 | 1167 | 216 | | |
| 269.9986 | 23:03 | 23:03 | 3 | 1.013 | 407176 | 101241 | 202 | 505 | 501 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:01 | 27:06 | -1 | 1.187 | 417616 | 88138 | 467 | 1167 | 189 | | |
| 269.9986 | 27:01 | 27:06 | -1 | 1.187 | 383667 | 86240 | 202 | 505 | 427 | 1.09(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:20 | 17:17 | 7 | 1.002 | 123607 | 32302 | 47 | 117 | 687 | | |
| 257.9584 | 17:20 | 17:17 | 7 | 1.002 | 118726 | 30471 | 49 | 122 | 622 | 1.04(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:04 | 6 | 1.107 | 98197 | 26384 | 47 | 117 | 561 | | |
| 257.9584 | 19:10 | 19:04 | 6 | 1.107 | 86873 | 22569 | 49 | 122 | 461 | 1.13(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:04 | 6 | 1.107 | 98197 | 26384 | 47 | 117 | 561 | | |
| 257.9584 | 19:10 | 19:04 | 6 | 1.107 | 86873 | 22569 | 49 | 122 | 461 | 1.13(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:35 | 19:30 | 4 | 1.131 | 162589 | 42218 | 47 | 117 | 898 | | |
| 257.9584 | 19:35 | 19:30 | 4 | 1.131 | 154719 | 40410 | 49 | 122 | 825 | 1.05(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:47 | 19:47 | 4 | 1.143 | 43078 | 11693 | 47 | 117 | 249 | | |
| 257.9584 | 19:47 | 19:47 | 4 | 1.143 | 42267 | 10966 | 49 | 122 | 224 | 1.02(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:56 | | | | | | 47 | 117 | | | |
| 257.9584 | 19:56 | | | | | | 49 | 122 | | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:01 | 20:02 | 4 | 1.156 | 23287 | 6337 | 47 | 117 | 135 | | |
| 257.9584 | 20:01 | 20:02 | 4 | 1.156 | 23192 | 5837 | 49 | 122 | 119 | 1.00(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:32 | 20:29 | 3 | 1.186 | 598449 | 148279 | 47 | 117 | 3155 | | |
| 257.9584 | 20:32 | 20:29 | 3 | 1.186 | 563743 | 141583 | 49 | 122 | 2889 | 1.06(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | RQMa |
| 255.9613 | 21:47 | 21:47 | 3 | 1.258 | 6354 | 1428 | 372 | 930 | 4 | | M |
| | Empc Correction | | | | 5466 | 1541 | 372 | 930 | 4 | | |
| 257.9584 | 21:47 | 21:47 | 3 | 1.258 | 5256 | 1482 | 350 | 875 | 4 | 1.21(0.88-1.20) | a |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:59 | | | | | | 372 | 930 | | | |
| 257.9584 | 21:59 | | | | | | 350 | 875 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:14 | 22:12 | 2 | 1.285 | 111510 | 27439 | 372 | 930 | 74 | | |
| 257.9584 | 22:14 | 22:12 | 2 | 1.285 | 101003 | 24841 | 350 | 875 | 71 | 1.10(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:14 | 22:12 | 2 | 1.285 | 111510 | 27439 | 372 | 930 | 74 | | |
| 257.9584 | 22:14 | 22:12 | 2 | 1.285 | 101003 | 24841 | 350 | 875 | 71 | 1.10(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | a |
| 255.9613 | 22:30 | 22:28 | 4 | 0.832 | 226336 | 46140 | 372 | 930 | 124 | | a |
| 257.9584 | 22:30 | 22:28 | 4 | 0.832 | 213729 | 43119 | 350 | 875 | 123 | 1.06(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:46 | 22:47 | 2 | 0.843 | 499740 | 120015 | 372 | 930 | 323 | | |
| 257.9584 | 22:46 | 22:47 | 2 | 0.843 | 459536 | 113938 | 350 | 875 | 326 | 1.09(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:03 | 1 | 0.854 | 968211 | 228830 | 372 | 930 | 615 | | |
| 257.9584 | 23:04 | 23:03 | 1 | 0.854 | 908657 | 220477 | 350 | 875 | 630 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:03 | 1 | 0.854 | 968211 | 228830 | 372 | 930 | 615 | | |
| 257.9584 | 23:04 | 23:03 | 1 | 0.854 | 908657 | 220477 | 350 | 875 | 630 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:15 | 23:14 | -1 | 0.860 | 527600 | 85190 | 372 | 930 | 229 | | |
| 257.9584 | 23:15 | 23:14 | -1 | 0.860 | 498969 | 80577 | 350 | 875 | 230 | 1.06(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:15 | 23:14 | -1 | 0.860 | 527600 | 85190 | 372 | 930 | 229 | | |
| 257.9584 | 23:15 | 23:14 | -1 | 0.860 | 498969 | 80577 | 350 | 875 | 230 | 1.06(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | a |
| 255.9613 | 23:42 | 23:42 | 3 | 0.877 | 96364 | 23630 | 372 | 930 | 64 | | a |
| 257.9584 | 23:42 | 23:42 | 3 | 0.877 | 89647 | 21823 | 350 | 875 | 62 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | nMUa |
| 255.9613 | 25:13 | | | | | | 372 | 930 | | | |
| 257.9584 | 25:13 | | | | | | 350 | 875 | | | |
| PCB-39 | | | | | | | | | | | a |
| 255.9613 | 25:37 | 25:37 | 2 | 0.948 | 14843 | 2618 | 372 | 930 | 7 | | a |
| 257.9584 | 25:37 | 25:37 | 2 | 0.948 | 14040 | 2783 | 350 | 875 | 8 | 1.06(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | Ma |
| 255.9613 | 26:16 | 26:10 | 6 | 0.972 | 8952 | 1715 | 372 | 930 | 5 | | M |
| 257.9584 | 26:15 | 26:10 | 5 | 0.971 | 8632 | 1766 | 350 | 875 | 5 | 1.04(0.88-1.20) | a |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:39 | 26:36 | 1 | 0.986 | 10985 | 2444 | 372 | 930 | 7 | | |
| 257.9584 | 26:39 | 26:36 | 1 | 0.986 | 10201 | 2431 | 350 | 875 | 7 | 1.08(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:03 | 27:03 | 1 | 1.001 | 151670 | 32895 | 372 | 930 | 88 | | |
| 257.9584 | 27:03 | 27:03 | 1 | 1.001 | 137762 | 28072 | 350 | 875 | 80 | 1.10(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:21 | 2 | 0.819 | 98784 | 25932 | 107 | 267 | 242 | | |
| 303.9597 | 20:21 | 20:21 | 2 | 0.819 | 119695 | 30602 | 45 | 112 | 680 | 0.83(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:52 | 24:50 | 1 | | 256543 | 59590 | 124 | 310 | 481 | | |
| 303.9597 | 24:52 | 24:50 | 2 | | 299272 | 70629 | 68 | 170 | 1039 | 0.86(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:46 | 33:50 | -1 | 1.359 | 290203 | 58460 | 124 | 310 | 471 | | |
| 303.9597 | 33:46 | 33:50 | -1 | 1.359 | 343872 | 69463 | 68 | 170 | 1022 | 0.84(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:20 | 34:23 | -1 | 1.381 | 319049 | 65773 | 124 | 310 | 530 | | |
| 303.9597 | 34:20 | 34:23 | -1 | 1.381 | 372013 | 71460 | 68 | 170 | 1051 | 0.86(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:22 | 20:18 | 4 | 1.000 | 311840 | 78255 | 17 | 42 | 4603 | | |
| 291.9194 | 20:22 | 20:18 | 4 | 1.000 | 379152 | 93911 | 38 | 95 | 2471 | 0.82(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:30 | 22:27 | 2 | 1.106 | 2117866 | 517931 | 3084 | 7710 | 168 | | |
| 291.9194 | 22:30 | 22:27 | 2 | 1.106 | 2653868 | 647535 | 3865 | 9662 | 168 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:30 | 22:27 | 2 | 1.106 | 2117866 | 517931 | 3084 | 7710 | 168 | | |
| 291.9194 | 22:30 | 22:27 | 2 | 1.106 | 2653868 | 647535 | 3865 | 9662 | 168 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:15 | 23:12 | 2 | 1.142 | 5234661 | 1273979 | 3084 | 7710 | 413 | | |
| 291.9194 | 23:15 | 23:12 | 2 | 1.142 | 6567567 | 1576305 | 3865 | 9662 | 408 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:15 | 23:12 | 2 | 1.142 | 5234661 | 1273979 | 3084 | 7710 | 413 | | |
| 291.9194 | 23:15 | 23:12 | 2 | 1.142 | 6567567 | 1576305 | 3865 | 9662 | 408 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:28 | 23:28 | 2 | 1.154 | 102779 | 23259 | 3084 | 7710 | 8 | | |
| 291.9194 | 23:28 | 23:28 | 2 | 1.154 | 140965 | 30819 | 3865 | 9662 | 8 | 0.73(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:53 | 24:55 | 1 | 1.223 | 3409993 | 795489 | 3084 | 7710 | 258 | | |
| 291.9194 | 24:53 | 24:55 | 1 | 1.223 | 4284769 | 1000148 | 3865 | 9662 | 259 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:02 | 25:04 | 2 | 1.230 | 344250 | 76853 | 3084 | 7710 | 25 | | |
| 291.9194 | 25:02 | 25:04 | 2 | 1.230 | 461524 | 98296 | 3865 | 9662 | 25 | 0.75(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:02 | 25:04 | 2 | 1.230 | 344250 | 76853 | 3084 | 7710 | 25 | | |
| 291.9194 | 25:02 | 25:04 | 2 | 1.230 | 461524 | 98296 | 3865 | 9662 | 25 | 0.75(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:18 | 3 | 1.247 | 5008765 | 1167810 | 3084 | 7710 | 379 | | |
| 291.9194 | 25:23 | 25:18 | 3 | 1.247 | 6286410 | 1453686 | 3865 | 9662 | 376 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:18 | 3 | 1.247 | 5008765 | 1167810 | 3084 | 7710 | 379 | | |
| 291.9194 | 25:23 | 25:18 | 3 | 1.247 | 6286410 | 1453686 | 3865 | 9662 | 376 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | RQ |
| 289.9224 | 25:40 | 25:37 | 1 | 1.261 | 60302 | 12924 | 3084 | 7710 | 4 | | |
| | Empc Correction | | | | 50016 | 12227 | 3084 | 7710 | 4 | | |
| 291.9194 | 25:40 | 25:37 | 1 | 1.261 | 64956 | 15880 | 3865 | 9662 | 4 | 0.93(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:56 | 25:56 | 3 | 1.274 | 11547648 | 2495155 | 3084 | 7710 | 809 | | |
| 291.9194 | 25:56 | 25:56 | 3 | 1.274 | 14472524 | 3133744 | 3865 | 9662 | 811 | 0.80(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:56 | 25:56 | 3 | 1.274 | 11547648 | 2495155 | 3084 | 7710 | 809 | | |
| 291.9194 | 25:56 | 25:56 | 3 | 1.274 | 14472524 | 3133744 | 3865 | 9662 | 811 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:56 | 25:56 | 3 | 1.274 | 11547648 | 2495155 | 3084 | 7710 | 809 | | |
| 291.9194 | 25:56 | 25:56 | 3 | 1.274 | 14472524 | 3133744 | 3865 | 9662 | 811 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:12 | 4 | 1.290 | 446630 | 91629 | 3084 | 7710 | 30 | | |
| 291.9194 | 26:15 | 26:12 | 4 | 1.290 | 554332 | 117462 | 3865 | 9662 | 30 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:12 | 4 | 1.290 | 446630 | 91629 | 3084 | 7710 | 30 | | |
| 291.9194 | 26:15 | 26:12 | 4 | 1.290 | 554332 | 117462 | 3865 | 9662 | 30 | 0.81(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:12 | 4 | 1.290 | 446630 | 91629 | 3084 | 7710 | 30 | | |
| 291.9194 | 26:15 | 26:12 | 4 | 1.290 | 554332 | 117462 | 3865 | 9662 | 30 | 0.81(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:24 | 26:22 | 0 | 1.297 | 191256 | 43544 | 3084 | 7710 | 14 | | |
| 291.9194 | 26:24 | 26:22 | 0 | 1.297 | 237393 | 53146 | 3865 | 9662 | 14 | 0.81(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:54 | 26:53 | 1 | 1.322 | 1045354 | 232134 | 3084 | 7710 | 75 | | |
| 291.9194 | 26:54 | 26:53 | 1 | 1.322 | 1307431 | 294015 | 3865 | 9662 | 76 | 0.80(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:54 | 26:53 | 1 | 1.322 | 1045354 | 232134 | 3084 | 7710 | 75 | | |
| 291.9194 | 26:54 | 26:53 | 1 | 1.322 | 1307431 | 294015 | 3865 | 9662 | 76 | 0.80(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:54 | 26:53 | 1 | 1.322 | 1045354 | 232134 | 3084 | 7710 | 75 | | |
| 291.9194 | 26:54 | 26:53 | 1 | 1.322 | 1307431 | 294015 | 3865 | 9662 | 76 | 0.80(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:07 | 27:06 | 1 | 1.332 | 441619 | 99267 | 3084 | 7710 | 32 | | |
| 291.9194 | 27:07 | 27:06 | 1 | 1.332 | 554615 | 127452 | 3865 | 9662 | 33 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:57 | 27:55 | 1 | 0.828 | 84474 | 19971 | 3084 | 7710 | 6 | | |
| 291.9194 | 27:57 | 27:55 | 1 | 0.828 | 109744 | 25630 | 3865 | 9662 | 7 | 0.77(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:14 | 28:13 | 1 | 0.836 | 268198 | 47092 | 3084 | 7710 | 15 | | |
| 291.9194 | 28:14 | 28:13 | 1 | 0.836 | 322261 | 57715 | 3865 | 9662 | 15 | 0.83(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:37 | | | | | | 3084 | 7710 | | | |
| 291.9194 | 28:37 | | | | | | 3865 | 9662 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:52 | | | | | | 3084 | 7710 | | | |
| 291.9194 | 28:52 | | | | | | 3865 | 9662 | | | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:01 | 29:01 | -2 | 0.859 | 66285 | 15134 | 3084 | 7710 | 5 | | |
| 291.9194 | 29:01 | 29:01 | -2 | 0.859 | 90651 | 18974 | 3865 | 9662 | 5 | 0.73(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:20 | 29:16 | 1 | 0.868 | 129048 | 29849 | 3084 | 7710 | 10 | | |
| 291.9194 | 29:20 | 29:16 | 1 | 0.868 | 170548 | 39190 | 3865 | 9662 | 10 | 0.76(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2716687 | 499774 | 3084 | 7710 | 162 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3441365 | 630939 | 3865 | 9662 | 163 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2716687 | 499774 | 3084 | 7710 | 162 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3441365 | 630939 | 3865 | 9662 | 163 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2716687 | 499774 | 3084 | 7710 | 162 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3441365 | 630939 | 3865 | 9662 | 163 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2716687 | 499774 | 3084 | 7710 | 162 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3441365 | 630939 | 3865 | 9662 | 163 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 29:59 | 29:59 | 1 | 0.888 | 1216292 | 257312 | 3084 | 7710 | 83 | | |
| 291.9194 | 29:59 | 29:59 | 1 | 0.888 | 1588072 | 321494 | 3865 | 9662 | 83 | 0.77(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:07 | | | | | | 3084 | 7710 | | | |
| 291.9194 | 30:07 | | | | | | 3865 | 9662 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:39 | 30:35 | 1 | 0.908 | 295257 | 64137 | 3084 | 7710 | 21 | | |
| 291.9194 | 30:38 | 30:35 | 1 | 0.907 | 382992 | 82970 | 3865 | 9662 | 21 | 0.77(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:51 | 30:50 | 1 | 0.914 | 67111 | 14319 | 3084 | 7710 | 5 | | |
| 291.9194 | 30:51 | 30:50 | 1 | 0.914 | 88535 | 19873 | 3865 | 9662 | 5 | 0.76(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:15 | | | | | | 3084 | 7710 | | | |
| 291.9194 | 31:15 | | | | | | 3865 | 9662 | | | |
| PCB-79 | | | | | | | | | | | Ma |
| 289.9224 | 32:48 | 32:48 | 1 | 0.971 | 96435 | 21095 | 3084 | 7710 | 7 | | M |
| 291.9194 | 32:48 | 32:48 | 1 | 0.971 | 108977 | 25646 | 3865 | 9662 | 7 | 0.88(0.65-0.89) | M |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:20 | | | | | | 3084 | 7710 | | | |
| 291.9194 | 33:20 | | | | | | 3865 | 9662 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:46 | | | | | | 3084 | 7710 | | | |
| 291.9194 | 33:46 | | | | | | 3865 | 9662 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:21 | 34:18 | 1 | 1.001 | 104194 | 23600 | 3084 | 7710 | 8 | | |
| 291.9194 | 34:21 | 34:18 | 1 | 1.001 | 127552 | 29173 | 3865 | 9662 | 8 | 0.82(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:49 | 25:50 | 0 | 0.814 | 275061 | 65453 | 50 | 125 | 1309 | | |
| 339.9178 | 25:49 | 25:50 | 0 | 0.814 | 167474 | 37435 | 24 | 60 | 1560 | 1.64(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:43 | 31:41 | 1 | | 275332 | 59185 | 50 | 125 | 1184 | | |
| 339.9178 | 31:43 | 31:41 | 1 | | 171076 | 35841 | 24 | 60 | 1493 | 1.61(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:24 | 34:23 | 1 | 1.085 | 321458 | 68085 | 50 | 125 | 1362 | | |
| 339.9178 | 34:24 | 34:23 | 1 | 1.085 | 212700 | 44071 | 24 | 60 | 1836 | 1.51(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:21 | 36:23 | -1 | 1.146 | 382375 | 80846 | 547 | 1367 | 148 | | |
| 339.9178 | 36:21 | 36:23 | -1 | 1.146 | 237358 | 49356 | 321 | 802 | 154 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:40 | 36:42 | -1 | 1.157 | 418612 | 87526 | 547 | 1367 | 160 | | |
| 339.9178 | 36:40 | 36:42 | -1 | 1.157 | 255985 | 52653 | 321 | 802 | 164 | 1.64(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:12 | 37:14 | -1 | 1.173 | 382412 | 78163 | 547 | 1367 | 143 | | |
| 339.9178 | 37:12 | 37:14 | -1 | 1.173 | 233805 | 46811 | 321 | 802 | 146 | 1.64(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:51 | 37:52 | -1 | 1.194 | 389238 | 84375 | 547 | 1367 | 154 | | |
| 339.9178 | 37:51 | 37:52 | -1 | 1.194 | 250819 | 51429 | 321 | 802 | 160 | 1.55(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:20 | 39:18 | 2 | | 466917 | 93818 | 547 | 1367 | 172 | | |
| 339.9178 | 39:20 | 39:18 | 2 | | 299183 | 60832 | 321 | 802 | 190 | 1.56(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:56 | 40:57 | 0 | 1.291 | 393734 | 77885 | 547 | 1367 | 142 | | |
| 339.9178 | 40:56 | 40:57 | 0 | 1.291 | 245173 | 46351 | 321 | 802 | 144 | 1.61(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:50 | 25:49 | 1 | 1.001 | 218210 | 49811 | 67 | 167 | 743 | | |
| 327.8775 | 25:50 | 25:49 | 1 | 1.001 | 136401 | 31590 | 37 | 92 | 854 | 1.60(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:12 | 26:12 | 1 | 1.015 | 466337 | 104900 | 67 | 167 | 1566 | | |
| 327.8775 | 26:12 | 26:12 | 1 | 1.015 | 291414 | 65446 | 37 | 92 | 1769 | 1.60(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:08 | 28:07 | 1 | 1.090 | 810909 | 181872 | 67 | 167 | 2715 | | |
| 327.8775 | 28:08 | 28:07 | 1 | 1.090 | 511067 | 115516 | 37 | 92 | 3122 | 1.59(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:21 | 28:22 | 1 | 1.098 | 573604 | 123407 | 67 | 167 | 1842 | | |
| 327.8775 | 28:21 | 28:22 | 1 | 1.098 | 360944 | 78887 | 37 | 92 | 2132 | 1.59(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:47 | 28:47 | 1 | 1.115 | 5524133 | 1203524 | 67 | 167 | 17963 | | |
| 327.8775 | 28:47 | 28:47 | 1 | 1.115 | 3502437 | 775885 | 37 | 92 | 20970 | 1.58(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:01 | 28:56 | 1 | 1.124 | 2225809 | 487423 | 67 | 167 | 7275 | | |
| 327.8775 | 29:01 | 28:56 | 1 | 1.124 | 1403412 | 307268 | 37 | 92 | 8305 | 1.59(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:01 | 28:56 | 1 | 1.124 | 2225809 | 487423 | 67 | 167 | 7275 | | |
| 327.8775 | 29:01 | 28:56 | 1 | 1.124 | 1403412 | 307268 | 37 | 92 | 8305 | 1.59(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:06 | 1 | 1.129 | 559740 | 102463 | 67 | 167 | 1529 | | |
| 327.8775 | 29:09 | 29:06 | 1 | 1.129 | 357240 | 63125 | 37 | 92 | 1706 | 1.57(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:06 | 1 | 1.129 | 559740 | 102463 | 67 | 167 | 1529 | | |
| 327.8775 | 29:09 | 29:06 | 1 | 1.129 | 357240 | 63125 | 37 | 92 | 1706 | 1.57(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:39 | 29:36 | 1 | 1.148 | 2898327 | 637253 | 67 | 167 | 9511 | | |
| 327.8775 | 29:39 | 29:36 | 1 | 1.148 | 1804562 | 394734 | 37 | 92 | 10668 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:39 | 29:36 | 1 | 1.148 | 2898327 | 637253 | 67 | 167 | 9511 | | |
| 327.8775 | 29:39 | 29:36 | 1 | 1.148 | 1804562 | 394734 | 37 | 92 | 10668 | 1.61(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:52 | 29:51 | 1 | 1.157 | 1257355 | 268919 | 67 | 167 | 4014 | | |
| 327.8775 | 29:52 | 29:51 | 1 | 1.157 | 787703 | 172107 | 37 | 92 | 4652 | 1.60(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:20 | | | | | | 67 | 167 | | | |
| 327.8775 | 30:20 | | | | | | 37 | 92 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:47 | 30:45 | 1 | 1.192 | 94592 | 19157 | 67 | 167 | 286 | | |
| 327.8775 | 30:46 | 30:45 | 1 | 1.192 | 59347 | 11852 | 37 | 92 | 320 | 1.59(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:09 | 31:05 | 1 | 0.857 | 2108859 | 450495 | 67 | 167 | 6724 | | |
| 327.8775 | 31:08 | 31:05 | 1 | 0.857 | 1316982 | 282257 | 37 | 92 | 7629 | 1.60(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 10196344 | 2096287 | 67 | 167 | 31288 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 6540953 | 1351719 | 37 | 92 | 36533 | 1.56(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 10196344 | 2096287 | 67 | 167 | 31288 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 6540953 | 1351719 | 37 | 92 | 36533 | 1.56(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 10196344 | 2096287 | 67 | 167 | 31288 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 6540953 | 1351719 | 37 | 92 | 36533 | 1.56(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:18 | 32:18 | 1 | 1.252 | 4325786 | 856978 | 67 | 167 | 12791 | | M |
| 327.8775 | 32:18 | 32:18 | 1 | 1.252 | 2694896 | 543131 | 37 | 92 | 14679 | 1.61(1.32-1.78) | M |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:18 | 32:18 | 1 | 1.252 | 4325786 | 856978 | 67 | 167 | 12791 | | M |
| 327.8775 | 32:18 | 32:18 | 1 | 1.252 | 2694896 | 543131 | 37 | 92 | 14679 | 1.61(1.32-1.78) | M |
| PCB-112 | | | | | | | | | | | RQMUa |
| 325.8804 | 32:24 | | | | | | 67 | 167 | | | |
| 327.8775 | 32:24 | | | | | | 37 | 92 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 4594608 | 545156 | 67 | 167 | 8137 | | M |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 2878057 | 336469 | 37 | 92 | 9094 | 1.60(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 4594608 | 545156 | 67 | 167 | 8137 | | M |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 2878057 | 336469 | 37 | 92 | 9094 | 1.60(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 4594608 | 545156 | 67 | 167 | 8137 | | M |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 2878057 | 336469 | 37 | 92 | 9094 | 1.60(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 4594608 | 545156 | 67 | 167 | 8137 | | M |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 2878057 | 336469 | 37 | 92 | 9094 | 1.60(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 4594608 | 545156 | 67 | 167 | 8137 | | M |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 2878057 | 336469 | 37 | 92 | 9094 | 1.60(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:48 | 32:46 | 1 | 1.271 | 4594608 | 545156 | 67 | 167 | 8137 | | M |
| 327.8775 | 32:48 | 32:46 | 1 | 1.271 | 2878057 | 336469 | 37 | 92 | 9094 | 1.60(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:32 | 33:28 | 1 | 1.299 | 1315455 | 142116 | 67 | 167 | 2121 | | |
| 327.8775 | 33:32 | 33:28 | 1 | 1.299 | 841437 | 90225 | 37 | 92 | 2439 | 1.56(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:32 | 33:28 | 1 | 1.299 | 1315455 | 142116 | 67 | 167 | 2121 | | |
| 327.8775 | 33:32 | 33:28 | 1 | 1.299 | 841437 | 90225 | 37 | 92 | 2439 | 1.56(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:32 | 33:28 | 1 | 1.299 | 1315455 | 142116 | 67 | 167 | 2121 | | |
| 327.8775 | 33:32 | 33:28 | 1 | 1.299 | 841437 | 90225 | 37 | 92 | 2439 | 1.56(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:42 | 33:45 | -4 | 1.305 | 8531219 | 1736102 | 67 | 167 | 25912 | | |
| 327.8775 | 33:42 | 33:45 | -4 | 1.305 | 5485872 | 1133509 | 37 | 92 | 30635 | 1.56(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:42 | 33:45 | -4 | 1.305 | 8531219 | 1736102 | 67 | 167 | 25912 | | |
| 327.8775 | 33:42 | 33:45 | -4 | 1.305 | 5485872 | 1133509 | 37 | 92 | 30635 | 1.56(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:00 | 33:59 | 0 | 1.317 | 449425 | 86196 | 67 | 167 | 1287 | | |
| 327.8775 | 34:00 | 33:59 | 0 | 1.317 | 278352 | 53976 | 37 | 92 | 1459 | 1.61(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:25 | 34:23 | 1 | 1.333 | 77170 | 14140 | 67 | 167 | 211 | | |
| 327.8775 | 34:25 | 34:23 | 1 | 1.333 | 46477 | 8753 | 37 | 92 | 237 | 1.66(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:53 | 34:50 | 1 | 1.351 | 147353 | 27625 | 67 | 167 | 412 | | |
| 327.8775 | 34:53 | 34:50 | 1 | 1.351 | 94336 | 18549 | 37 | 92 | 501 | 1.56(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:01 | 35:57 | 1 | 1.395 | 263499 | 54557 | 732 | 1830 | 75 | | |
| 327.8775 | 36:01 | 35:57 | 1 | 1.395 | 163673 | 33710 | 572 | 1430 | 59 | 1.61(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:01 | 35:57 | 1 | 1.395 | 263499 | 54557 | 732 | 1830 | 75 | | |
| 327.8775 | 36:01 | 35:57 | 1 | 1.395 | 163673 | 33710 | 572 | 1430 | 59 | 1.61(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:15 | 36:15 | 1 | 1.404 | 824929 | 164125 | 732 | 1830 | 224 | | M |
| 327.8775 | 36:15 | 36:15 | 1 | 1.404 | 518636 | 105572 | 572 | 1430 | 185 | 1.59(1.32-1.78) | M |
| PCB-123 | | | | | | | | | | | RQMa |
| 325.8804 | 36:22 | 36:22 | 1 | 1.001 | 76870 | 21457 | 732 | 1830 | 29 | | M |
| 327.8775 | 36:22 | 36:22 | 1 | 1.001 | 63630 | 13752 | 572 | 1430 | 24 | 1.21(1.32-1.78) | |
| | Empc Correction | | | | 49593 | 13843 | 572 | 1430 | 24 | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:26 | | | | | | 732 | 1830 | | | |
| 327.8775 | 36:26 | | | | | | 572 | 1430 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:42 | 36:39 | 1 | 1.001 | 7307263 | 1446357 | 732 | 1830 | 1976 | | |
| 327.8775 | 36:42 | 36:39 | 1 | 1.001 | 4658955 | 941725 | 572 | 1430 | 1646 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:02 | 36:58 | 1 | 1.010 | 74823 | 13382 | 732 | 1830 | 18 | | |
| 327.8775 | 37:03 | 36:58 | 1 | 1.010 | 51225 | 8812 | 572 | 1430 | 15 | 1.46(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:13 | 37:09 | 1 | 1.000 | 164948 | 23176 | 732 | 1830 | 32 | | |
| 327.8775 | 37:13 | 37:09 | 1 | 1.000 | 107124 | 16310 | 572 | 1430 | 29 | 1.54(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:52 | 37:49 | 1 | 1.001 | 2294544 | 433905 | 732 | 1830 | 593 | | |
| 327.8775 | 37:52 | 37:49 | 1 | 1.001 | 1467507 | 275437 | 572 | 1430 | 482 | 1.56(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | Ma |
| 325.8804 | 39:24 | 39:25 | 4 | 1.041 | 20077 | 3898 | 732 | 1830 | 5 | | M |
| 327.8775 | 39:24 | 39:25 | 4 | 1.041 | 14388 | 2680 | 572 | 1430 | 5 | 1.40(1.32-1.78) | M |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:58 | 40:57 | 1 | 1.001 | 21868 | 4988 | 732 | 1830 | 7 | | |
| 327.8775 | 40:58 | 40:57 | 1 | 1.001 | 14940 | 3439 | 572 | 1430 | 6 | 1.46(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:29 | 31:31 | -2 | 0.791 | 253120 | 56313 | 30 | 75 | 1877 | | |
| 373.8788 | 31:29 | 31:31 | -2 | 0.791 | 199526 | 43905 | 15 | 37 | 2927 | 1.27(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:48 | 39:46 | 1 | | 301821 | 61194 | 101 | 252 | 606 | | |
| 373.8788 | 39:48 | 39:46 | 1 | | 248230 | 50172 | 151 | 377 | 332 | 1.22(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:48 | 42:50 | -1 | 1.076 | 324178 | 63305 | 101 | 252 | 627 | | |
| 373.8788 | 42:48 | 42:50 | -1 | 1.076 | 251286 | 50994 | 151 | 377 | 338 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:59 | 0 | 1.105 | 669995 | 99631 | 101 | 252 | 986 | | |
| 373.8788 | 43:58 | 43:59 | 0 | 1.105 | 519142 | 76353 | 151 | 377 | 506 | 1.29(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:59 | 0 | 1.105 | 669995 | 99631 | 101 | 252 | 986 | | |
| 373.8788 | 43:58 | 43:59 | 0 | 1.105 | 519142 | 76353 | 151 | 377 | 506 | 1.29(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:12 | 47:13 | 0 | 1.186 | 334306 | 65345 | 101 | 252 | 647 | | |
| 373.8788 | 47:12 | 47:13 | 0 | 1.186 | 256681 | 49650 | 151 | 377 | 329 | 1.30(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:30 | 31:30 | 1 | 1.001 | 25022 | 5705 | 19 | 47 | 300 | | |
| 361.8385 | 31:30 | 31:30 | 1 | 1.001 | 19172 | 4115 | 18 | 45 | 229 | 1.31(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:42 | 31:38 | 1 | 1.007 | 245629 | 52677 | 19 | 47 | 2772 | | |
| 361.8385 | 31:41 | 31:38 | 0 | 1.006 | 191210 | 40684 | 18 | 45 | 2260 | 1.28(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:52 | 31:48 | 1 | 1.012 | 245215 | 51709 | 19 | 47 | 2722 | | |
| 361.8385 | 31:52 | 31:48 | 1 | 1.012 | 192547 | 41361 | 18 | 45 | 2298 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:13 | 32:11 | 1 | 1.023 | 1687059 | 353466 | 19 | 47 | 18603 | | |
| 361.8385 | 32:13 | 32:11 | 1 | 1.023 | 1335010 | 274937 | 18 | 45 | 15274 | 1.26(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:29 | | | | | | 19 | 47 | | | |
| 361.8385 | 32:29 | | | | | | 18 | 45 | | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:02 | 34:00 | 1 | 1.081 | 155847 | 32338 | 19 | 47 | 1702 | | |
| 361.8385 | 34:02 | 34:00 | 1 | 1.081 | 123411 | 25386 | 18 | 45 | 1410 | 1.26(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:37 | 34:38 | -3 | 1.100 | 3661735 | 534668 | 19 | 47 | 28140 | | |
| 361.8385 | 34:37 | 34:38 | -3 | 1.100 | 2877203 | 427739 | 18 | 45 | 23763 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:37 | 34:38 | -3 | 1.100 | 3661735 | 534668 | 19 | 47 | 28140 | | |
| 361.8385 | 34:37 | 34:38 | -3 | 1.100 | 2877203 | 427739 | 18 | 45 | 23763 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:53 | 34:51 | 1 | 1.108 | 643421 | 132195 | 19 | 47 | 6958 | | |
| 361.8385 | 34:53 | 34:51 | 1 | 1.108 | 512321 | 104886 | 18 | 45 | 5827 | 1.26(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:11 | 35:07 | 1 | 1.118 | 300146 | 61802 | 19 | 47 | 3253 | | |
| 361.8385 | 35:12 | 35:07 | 1 | 1.118 | 236598 | 47465 | 18 | 45 | 2637 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | M |
| 359.8415 | 35:34 | 35:32 | 1 | 1.130 | 10801461 | 2109366 | 447 | 1117 | 4719 | | M |
| 361.8385 | 35:33 | 35:32 | 1 | 1.129 | 8663066 | 1700721 | 215 | 537 | 7910 | 1.25(1.05-1.43) | M |
| PCB-149 (C147) | | | | | | | | | | | M |
| 359.8415 | 35:34 | 35:32 | 1 | 1.130 | 10801461 | 2109366 | 447 | 1117 | 4719 | | M |
| 361.8385 | 35:33 | 35:32 | 1 | 1.129 | 8663066 | 1700721 | 215 | 537 | 7910 | 1.25(1.05-1.43) | M |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:45 | 35:47 | -5 | 1.136 | 609608 | 111623 | 447 | 1117 | 250 | | |
| 361.8385 | 35:45 | 35:47 | -6 | 1.135 | 487315 | 89353 | 215 | 537 | 416 | 1.25(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:45 | 35:47 | -5 | 1.136 | 609608 | 111623 | 447 | 1117 | 250 | | |
| 361.8385 | 35:45 | 35:47 | -6 | 1.135 | 487315 | 89353 | 215 | 537 | 416 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:05 | 1 | 1.149 | 253983 | 47451 | 447 | 1117 | 106 | | |
| 361.8385 | 36:10 | 36:05 | 1 | 1.149 | 206635 | 38633 | 215 | 537 | 180 | 1.23(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:05 | 1 | 1.149 | 253983 | 47451 | 447 | 1117 | 106 | | |
| 361.8385 | 36:10 | 36:05 | 1 | 1.149 | 206635 | 38633 | 215 | 537 | 180 | 1.23(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:21 | 36:17 | 1 | 1.155 | 90522 | 17687 | 447 | 1117 | 40 | | |
| 361.8385 | 36:21 | 36:17 | 0 | 1.155 | 76296 | 14631 | 215 | 537 | 68 | 1.19(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:28 | | | | | | 447 | 1117 | | | |
| 361.8385 | 36:28 | | | | | | 215 | 537 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:48 | 36:46 | 1 | 1.169 | 2774876 | 561396 | 447 | 1117 | 1256 | | |
| 361.8385 | 36:48 | 36:46 | 1 | 1.169 | 2205261 | 448418 | 215 | 537 | 2086 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | a |
| 359.8415 | 37:19 | 37:19 | 1 | 1.186 | 492968 | 101375 | 447 | 1117 | 227 | | a |
| 361.8385 | 37:19 | 37:19 | 1 | 1.186 | 394437 | 82495 | 215 | 537 | 384 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:43 | 37:41 | 1 | 0.881 | 87780 | 18070 | 447 | 1117 | 40 | | |
| 361.8385 | 37:43 | 37:41 | 1 | 0.881 | 72522 | 14536 | 215 | 537 | 68 | 1.21(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | M |
| 359.8415 | 37:58 | 37:57 | 1 | 0.887 | 2736802 | 557335 | 447 | 1117 | 1247 | | M |
| 361.8385 | 37:58 | 37:57 | 1 | 0.887 | 2185270 | 450656 | 215 | 537 | 2096 | 1.25(1.05-1.43) | M |
| PCB-161 | | | | | | | | | | | RQMa |
| 359.8415 | 38:05 | 38:05 | 0 | 0.890 | 7256 | 2413 | 447 | 1117 | 5 | | M |
| 361.8385 | 38:04 | 38:05 | -1 | 0.889 | 9691 | 3816 | 215 | 537 | 18 | 0.75(1.05-1.43) | |
| | Empc Correction | | | | 5851 | 1945 | 215 | 537 | 9 | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:35 | 38:34 | -1 | 0.901 | 10764551 | 2169475 | 447 | 1117 | 4853 | | |
| 361.8385 | 38:35 | 38:34 | -1 | 0.901 | 8642897 | 1751342 | 215 | 537 | 8146 | 1.25(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:35 | 38:34 | -1 | 0.901 | 10764551 | 2169475 | 447 | 1117 | 4853 | | |
| 361.8385 | 38:35 | 38:34 | -1 | 0.901 | 8642897 | 1751342 | 215 | 537 | 8146 | 1.25(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:42 | 1 | 0.906 | 1473608 | 293341 | 447 | 1117 | 656 | | |
| 361.8385 | 38:47 | 38:42 | 1 | 0.906 | 1206514 | 236278 | 215 | 537 | 1099 | 1.22(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:11 | 39:07 | 1 | 0.915 | 519736 | 106093 | 447 | 1117 | 237 | | |
| 361.8385 | 39:11 | 39:07 | 1 | 0.915 | 410751 | 84337 | 215 | 537 | 392 | 1.27(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:24 | 39:20 | 1 | 0.921 | 304101 | 66287 | 447 | 1117 | 148 | | |
| 361.8385 | 39:24 | 39:20 | 1 | 0.921 | 245536 | 52996 | 215 | 537 | 246 | 1.24(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:31 | 39:27 | 1 | 0.923 | 910036 | 177416 | 447 | 1117 | 397 | | |
| 361.8385 | 39:31 | 39:27 | 1 | 0.923 | 725043 | 140965 | 215 | 537 | 656 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 1 | 0.930 | 9969712 | 1862586 | 447 | 1117 | 4167 | | |
| 361.8385 | 39:49 | 39:47 | 1 | 0.930 | 8064262 | 1521875 | 215 | 537 | 7078 | 1.24(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 1 | 0.930 | 9969712 | 1862586 | 447 | 1117 | 4167 | | |
| 361.8385 | 39:49 | 39:47 | 1 | 0.930 | 8064262 | 1521875 | 215 | 537 | 7078 | 1.24(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 1 | 0.930 | 9969712 | 1862586 | 447 | 1117 | 4167 | | |
| 361.8385 | 39:49 | 39:47 | 1 | 0.930 | 8064262 | 1521875 | 215 | 537 | 7078 | 1.24(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 1 | 0.930 | 9969712 | 1862586 | 447 | 1117 | 4167 | | |
| 361.8385 | 39:49 | 39:47 | 1 | 0.930 | 8064262 | 1521875 | 215 | 537 | 7078 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:13 | 40:09 | 1 | 0.939 | 1093839 | 202920 | 447 | 1117 | 454 | | |
| 361.8385 | 40:13 | 40:09 | 1 | 0.939 | 872993 | 161678 | 215 | 537 | 752 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:05 | 41:01 | 2 | 0.960 | 1122688 | 222139 | 447 | 1117 | 497 | | |
| 361.8385 | 41:05 | 41:01 | 2 | 0.960 | 898063 | 176995 | 215 | 537 | 823 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:05 | 41:01 | 2 | 0.960 | 1122688 | 222139 | 447 | 1117 | 497 | | |
| 361.8385 | 41:05 | 41:01 | 2 | 0.960 | 898063 | 176995 | 215 | 537 | 823 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:02 | 42:01 | -1 | 0.982 | 157377 | 29878 | 447 | 1117 | 67 | | |
| 361.8385 | 42:02 | 42:01 | -1 | 0.982 | 128614 | 24455 | 215 | 537 | 114 | 1.22(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | M |
| 359.8415 | 42:22 | 42:22 | 1 | 0.990 | 32716 | 7018 | 447 | 1117 | 16 | | M |
| 361.8385 | 42:22 | 42:22 | 1 | 0.990 | 28716 | 5827 | 215 | 537 | 27 | 1.14(1.05-1.43) | M |
| PCB-167 | | | | | | | | | | | a |
| 359.8415 | 42:51 | 42:51 | 2 | 1.001 | 385833 | 76026 | 447 | 1117 | 170 | | a |
| 361.8385 | 42:50 | 42:51 | 1 | 1.001 | 312982 | 61035 | 215 | 537 | 284 | 1.23(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:57 | 43:55 | 0 | 1.000 | 1096280 | 193083 | 447 | 1117 | 432 | | |
| 361.8385 | 43:57 | 43:55 | 0 | 1.000 | 876950 | 155150 | 215 | 537 | 722 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:57 | 43:55 | 0 | 1.000 | 1096280 | 193083 | 447 | 1117 | 432 | | |
| 361.8385 | 43:57 | 43:55 | 0 | 1.000 | 876950 | 155150 | 215 | 537 | 722 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:11 | | | | | | 447 | 1117 | | | |
| 361.8385 | 47:11 | | | | | | 215 | 537 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:12 | 37:14 | -1 | 0.820 | 282079 | 56570 | 79 | 197 | 716 | | |
| 407.8398 | 37:12 | 37:14 | -1 | 0.820 | 255421 | 51143 | 47 | 117 | 1088 | 1.10(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:16 | 40:15 | 1 | 0.888 | 200982 | 40619 | 79 | 197 | 514 | | |
| 407.8398 | 40:16 | 40:15 | 1 | 0.888 | 174823 | 36918 | 47 | 117 | 785 | 1.15(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:21 | 45:21 | 1 | | 241827 | 44940 | 79 | 197 | 569 | | |
| 407.8398 | 45:21 | 45:21 | 1 | | 229061 | 42554 | 47 | 117 | 905 | 1.06(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:37 | 46:37 | 0 | 1.028 | 156138 | 33564 | 79 | 197 | 425 | | |
| 407.8398 | 46:37 | 46:37 | 0 | 1.028 | 156370 | 31946 | 47 | 117 | 680 | 1.00(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:44 | 49:44 | 0 | 1.096 | 356735 | 66503 | 460 | 1150 | 145 | | |
| 407.8398 | 49:44 | 49:44 | 0 | 1.096 | 320130 | 63052 | 287 | 717 | 220 | 1.11(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:14 | 37:14 | 1 | 1.001 | 64029 | 13473 | 11 | 27 | 1225 | | |
| 395.7995 | 37:14 | 37:14 | 1 | 1.001 | 59221 | 12982 | 24 | 60 | 541 | 1.08(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:34 | 37:30 | 1 | 1.009 | 1687719 | 338071 | 11 | 27 | 30734 | | |
| 395.7995 | 37:34 | 37:30 | 1 | 1.009 | 1596758 | 322153 | 24 | 60 | 13423 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:04 | | | | | | 11 | 27 | | | |
| 395.7995 | 38:04 | | | | | | 24 | 60 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:27 | 38:24 | 1 | 1.033 | 429436 | 87573 | 11 | 27 | 7961 | | |
| 395.7995 | 38:27 | 38:24 | 1 | 1.033 | 400831 | 78079 | 24 | 60 | 3253 | 1.07(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:52 | | | | | | 11 | 27 | | | |
| 395.7995 | 38:52 | | | | | | 24 | 60 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:18 | 40:13 | 1 | 1.083 | 689349 | 137267 | 11 | 27 | 12479 | | |
| 395.7995 | 40:18 | 40:13 | 1 | 1.083 | 645745 | 128420 | 24 | 60 | 5351 | 1.07(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:55 | 40:55 | 1 | 1.100 | 96459 | 18911 | 11 | 27 | 1719 | | |
| 395.7995 | 40:55 | 40:55 | 1 | 1.100 | 89908 | 17193 | 24 | 60 | 716 | 1.07(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:12 | 41:11 | 1 | 1.107 | 3429393 | 689433 | 11 | 27 | 62676 | | |
| 395.7995 | 41:12 | 41:11 | 1 | 1.107 | 3263571 | 655340 | 24 | 60 | 27306 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:24 | 41:21 | 1 | 1.113 | 51604 | 8597 | 11 | 27 | 782 | | |
| 395.7995 | 41:24 | 41:21 | 1 | 1.113 | 44003 | 8255 | 24 | 60 | 344 | 1.17(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:48 | 41:47 | 1 | 1.123 | 1587516 | 278331 | 11 | 27 | 25303 | | |
| 395.7995 | 41:48 | 41:47 | 1 | 1.123 | 1503035 | 261695 | 24 | 60 | 10904 | 1.06(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:48 | 41:47 | 1 | 1.123 | 1587516 | 278331 | 11 | 27 | 25303 | | |
| 395.7995 | 41:48 | 41:47 | 1 | 1.123 | 1503035 | 261695 | 24 | 60 | 10904 | 1.06(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:02 | 42:01 | 1 | 1.130 | 2002279 | 399481 | 11 | 27 | 36316 | | |
| 395.7995 | 42:02 | 42:01 | 1 | 1.130 | 1912769 | 383242 | 24 | 60 | 15968 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:29 | 42:28 | 1 | 1.142 | 1399377 | 270048 | 11 | 27 | 24550 | | |
| 395.7995 | 42:29 | 42:28 | 1 | 1.142 | 1311233 | 257396 | 24 | 60 | 10725 | 1.07(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:52 | 42:52 | 1 | 1.152 | 24823 | 4257 | 11 | 27 | 387 | | |
| 395.7995 | 42:51 | 42:52 | 1 | 1.152 | 25528 | 4284 | 24 | 60 | 179 | 0.97(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:00 | 2 | 1.159 | 658895 | 128207 | 11 | 27 | 11655 | | |
| 395.7995 | 43:06 | 43:00 | 2 | 1.159 | 623127 | 121388 | 24 | 60 | 5058 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:00 | 2 | 1.159 | 658895 | 128207 | 11 | 27 | 11655 | | |
| 395.7995 | 43:06 | 43:00 | 2 | 1.159 | 623127 | 121388 | 24 | 60 | 5058 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:44 | 44:41 | 1 | 0.899 | 369313 | 73011 | 11 | 27 | 6637 | | |
| 395.7995 | 44:44 | 44:41 | 1 | 0.899 | 356346 | 70382 | 24 | 60 | 2933 | 1.04(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 44:59 | | | | | | 11 | 27 | | | |
| 395.7995 | 44:59 | | | | | | 24 | 60 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:23 | 45:22 | 4 | 0.913 | 5726532 | 1057562 | 11 | 27 | 96142 | | a |
| 395.7995 | 45:23 | 45:22 | 4 | 0.913 | 5449631 | 1006995 | 24 | 60 | 41958 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:23 | 45:22 | 4 | 0.913 | 5726532 | 1057562 | 11 | 27 | 96142 | | a |
| 395.7995 | 45:23 | 45:22 | 4 | 0.913 | 5449631 | 1006995 | 24 | 60 | 41958 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:44 | 45:41 | 1 | 0.920 | 138774 | 24951 | 11 | 27 | 2268 | | |
| 395.7995 | 45:44 | 45:41 | 1 | 0.920 | 126639 | 23879 | 24 | 60 | 995 | 1.10(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:38 | 46:36 | 1 | 0.938 | 2029061 | 397561 | 11 | 27 | 36142 | | |
| 395.7995 | 46:38 | 46:36 | 1 | 0.938 | 1916487 | 372342 | 24 | 60 | 15514 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:10 | 47:07 | 1 | 0.948 | 599776 | 116329 | 11 | 27 | 10575 | | |
| 395.7995 | 47:10 | 47:07 | 1 | 0.948 | 577876 | 110398 | 24 | 60 | 4600 | 1.04(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:45 | 49:44 | 1 | 1.001 | 182900 | 34972 | 111 | 277 | 315 | | |
| 395.7995 | 49:45 | 49:44 | 1 | 1.001 | 165745 | 33820 | 128 | 320 | 264 | 1.10(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:35 | 42:37 | -1 | 0.821 | 203982 | 39991 | 19 | 47 | 2105 | | |
| 441.8008 | 42:35 | 42:37 | -1 | 0.821 | 223133 | 47264 | 15 | 37 | 3151 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:51 | 51:49 | 1 | | 245429 | 51492 | 346 | 865 | 149 | | |
| 441.8008 | 51:51 | 51:49 | 2 | | 271865 | 50401 | 319 | 797 | 158 | 0.90(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:20 | 52:21 | 0 | 1.009 | 252389 | 51374 | 346 | 865 | 148 | | |
| 441.8008 | 52:20 | 52:21 | 0 | 1.009 | 291096 | 56312 | 319 | 797 | 177 | 0.87(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:37 | 42:31 | 1 | 1.001 | 231307 | 46161 | 11 | 27 | 4196 | | |
| 429.7606 | 42:37 | 42:31 | 1 | 1.001 | 258815 | 52003 | 15 | 37 | 3467 | 0.89(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:31 | 43:27 | 1 | 1.022 | 167243 | 32877 | 11 | 27 | 2989 | | |
| 429.7606 | 43:31 | 43:27 | 1 | 1.022 | 186423 | 37236 | 15 | 37 | 2482 | 0.90(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:10 | | | | | | 11 | 27 | | | |
| 429.7606 | 44:10 | | | | | | 15 | 37 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:26 | 44:25 | 1 | 1.044 | 54229 | 12192 | 11 | 27 | 1108 | | |
| 429.7606 | 44:26 | 44:25 | 1 | 1.043 | 61918 | 13223 | 15 | 37 | 882 | 0.88(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:32 | 44:32 | 1 | 1.046 | 159921 | 30742 | 11 | 27 | 2795 | | |
| 429.7606 | 44:32 | 44:32 | 1 | 1.046 | 173314 | 33685 | 15 | 37 | 2246 | 0.92(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:21 | 47:16 | 3 | 1.112 | 906903 | 171411 | 11 | 27 | 15583 | | |
| 429.7606 | 47:21 | 47:16 | 3 | 1.112 | 1000227 | 190013 | 15 | 37 | 12668 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:21 | 47:16 | 3 | 1.112 | 906903 | 171411 | 11 | 27 | 15583 | | |
| 429.7606 | 47:21 | 47:16 | 3 | 1.112 | 1000227 | 190013 | 15 | 37 | 12668 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:00 | 47:59 | 1 | 0.917 | 510926 | 98081 | 11 | 27 | 8916 | | |
| 429.7606 | 48:00 | 47:59 | 1 | 0.917 | 557476 | 107491 | 15 | 37 | 7166 | 0.92(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:12 | 48:10 | 1 | 0.921 | 644641 | 127129 | 11 | 27 | 11557 | | |
| 429.7606 | 48:12 | 48:10 | 1 | 0.921 | 723003 | 140245 | 15 | 37 | 9350 | 0.89(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:31 | 49:30 | 1 | 0.946 | 523221 | 102706 | 248 | 620 | 414 | | |
| 429.7606 | 49:31 | 49:30 | 1 | 0.946 | 580100 | 113271 | 213 | 532 | 532 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:52 | 51:47 | 1 | 0.991 | 1350725 | 257169 | 248 | 620 | 1037 | | |
| 429.7606 | 51:52 | 51:47 | 1 | 0.991 | 1503339 | 284842 | 213 | 532 | 1337 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:20 | 52:15 | 1 | 1.000 | 91252 | 17387 | 248 | 620 | 70 | | |
| 429.7606 | 52:20 | 52:15 | 1 | 1.000 | 102395 | 19632 | 213 | 532 | 92 | 0.89(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:16 | 49:18 | 0 | 0.950 | 228533 | 47079 | 438 | 1095 | 107 | | |
| 475.7619 | 49:16 | 49:18 | -1 | 0.950 | 287348 | 54894 | 349 | 872 | 157 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:05 | 54:06 | 0 | 1.043 | 165662 | 33174 | 438 | 1095 | 76 | | |
| 475.7619 | 54:05 | 54:06 | 0 | 1.043 | 198493 | 38505 | 349 | 872 | 110 | 0.83(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:17 | 49:13 | 1 | 1.000 | 112506 | 21491 | 57 | 142 | 377 | | |
| 463.7216 | 49:18 | 49:13 | 1 | 1.001 | 129133 | 24807 | 210 | 525 | 118 | 0.87(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:13 | 50:09 | 1 | 1.019 | 61818 | 11810 | 57 | 142 | 207 | | |
| 463.7216 | 50:14 | 50:09 | 1 | 1.019 | 71185 | 14414 | 210 | 525 | 69 | 0.87(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:06 | 54:03 | 1 | 1.000 | 330081 | 62322 | 57 | 142 | 1093 | | |
| 463.7216 | 54:06 | 54:03 | 1 | 1.000 | 415152 | 78595 | 210 | 525 | 374 | 0.80(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:44 | 55:45 | 0 | 1.075 | 176076 | 30294 | 90 | 225 | 337 | | |
| 509.7229 | 55:44 | 55:45 | 0 | 1.075 | 234796 | 42222 | 68 | 170 | 621 | 0.75(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:44 | 55:40 | 2 | 1.000 | 97935 | 17707 | 22 | 55 | 805 | | |
| 497.6826 | 55:44 | 55:40 | 2 | 1.000 | 142342 | 24812 | 19 | 47 | 1306 | 0.69(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

U - Marked Undetected

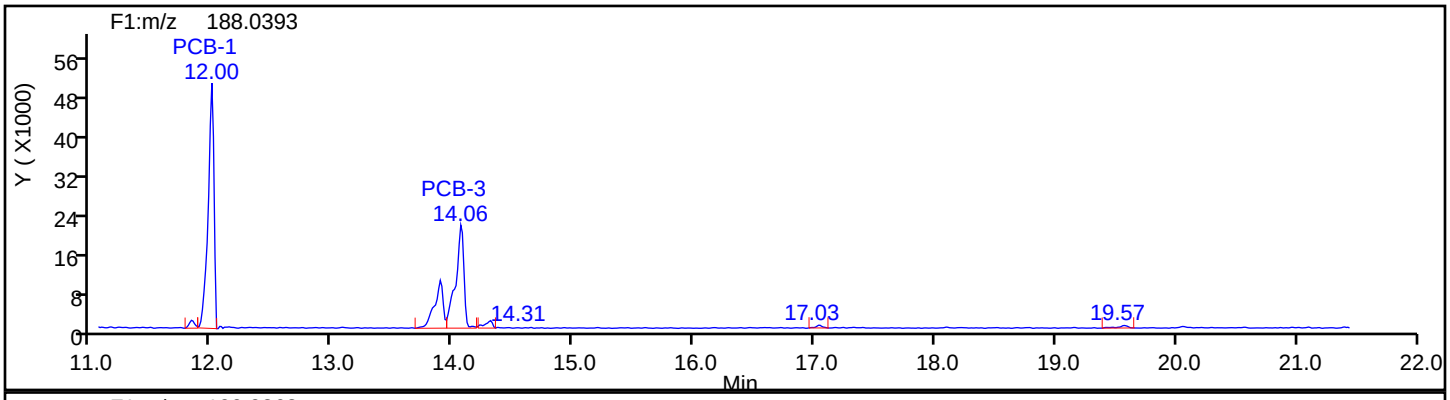
a - User Assigned ID

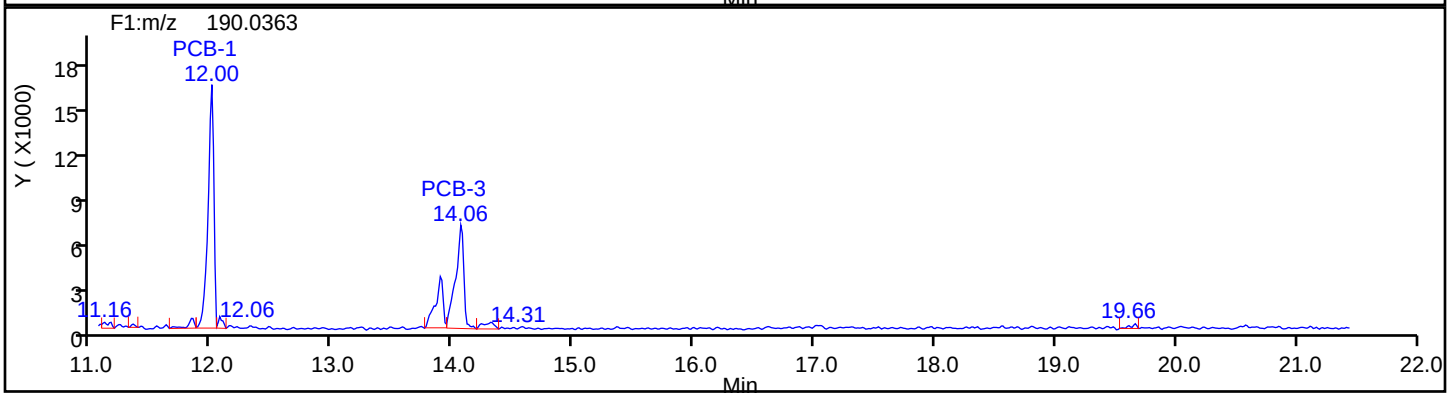
Report Date: 04-Oct-2019 14:11:06 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

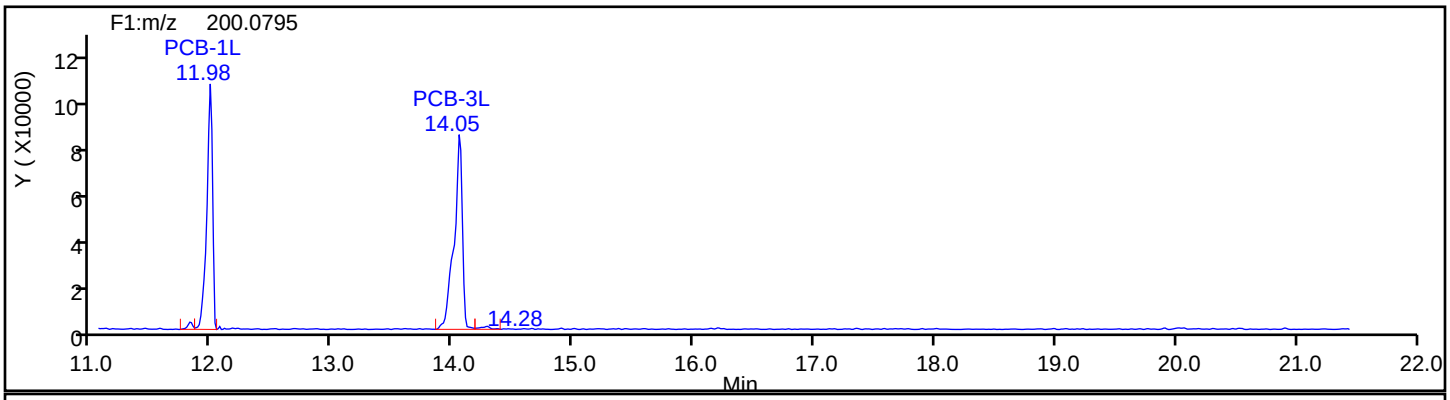
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

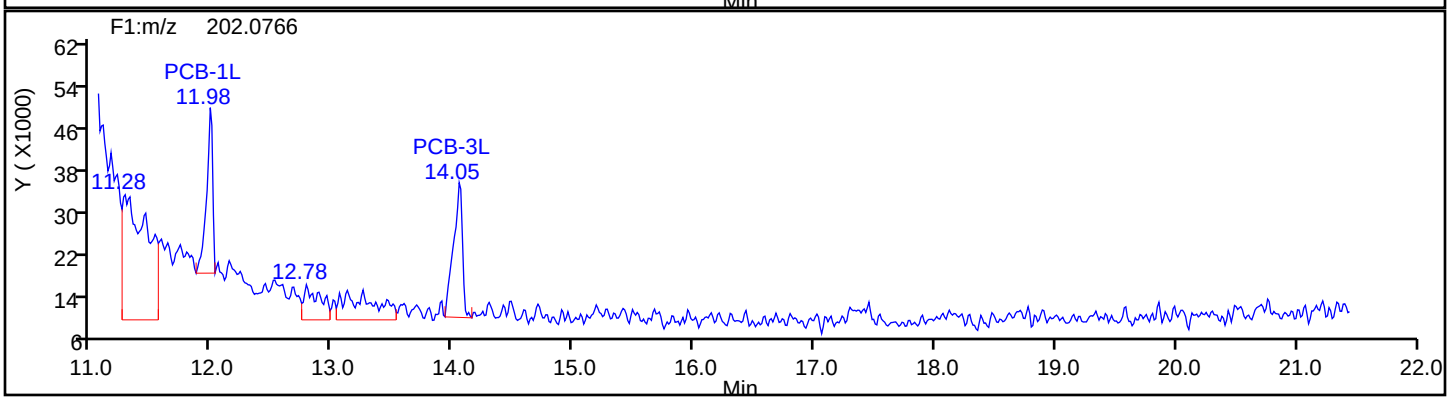
MoPCB F1




MoPCB F1 Standards

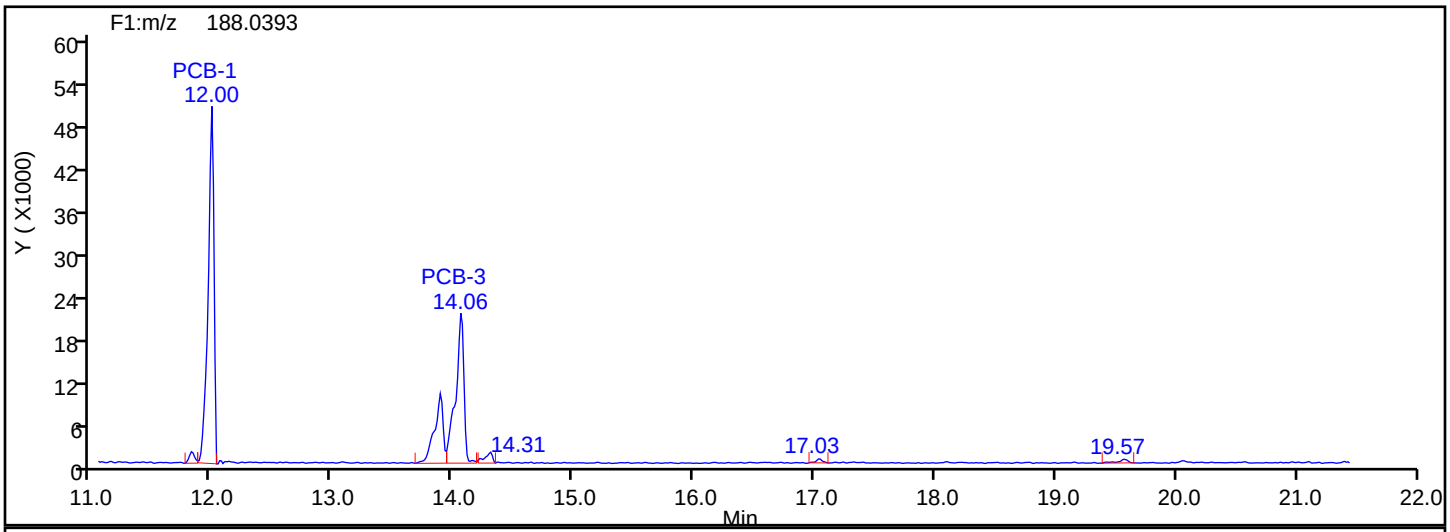


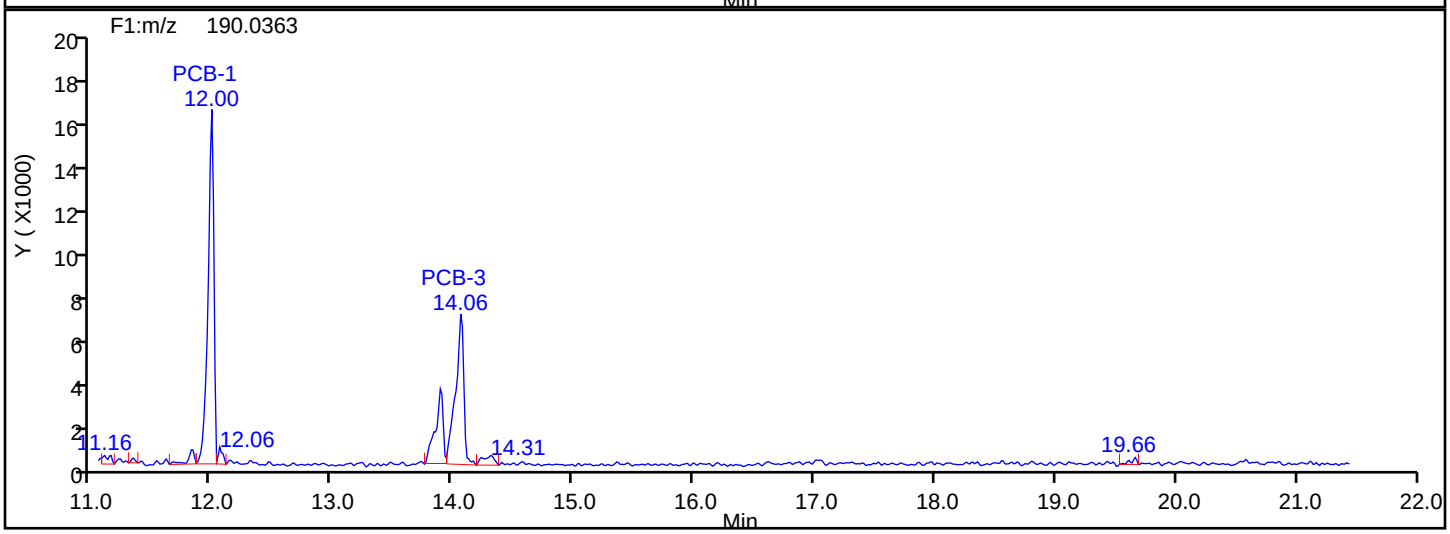



Eurofins TestAmerica, Knoxville

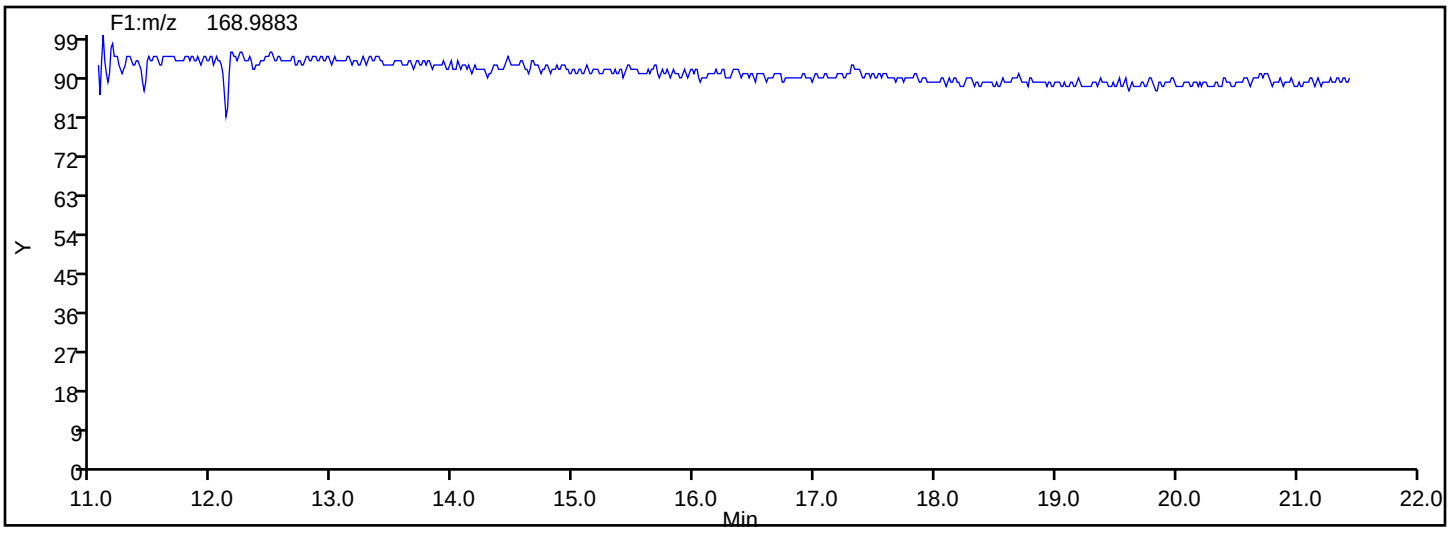
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 3

Processing Integration Results

| | |
|---|---|
| RT: | 13.89 |
| Area: | 59908 |
| Amount: | 1.652459 |
| Amount Units: | pg/ul |

Manual Integration Results

| | |
|---|---|
| RT: | 13.89 |
| Area: | 64239 |
| Amount: | 2.167762 |
| Amount Units: | pg/ul |

Reviewer: layk, 04-Oct-2019 10:32:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

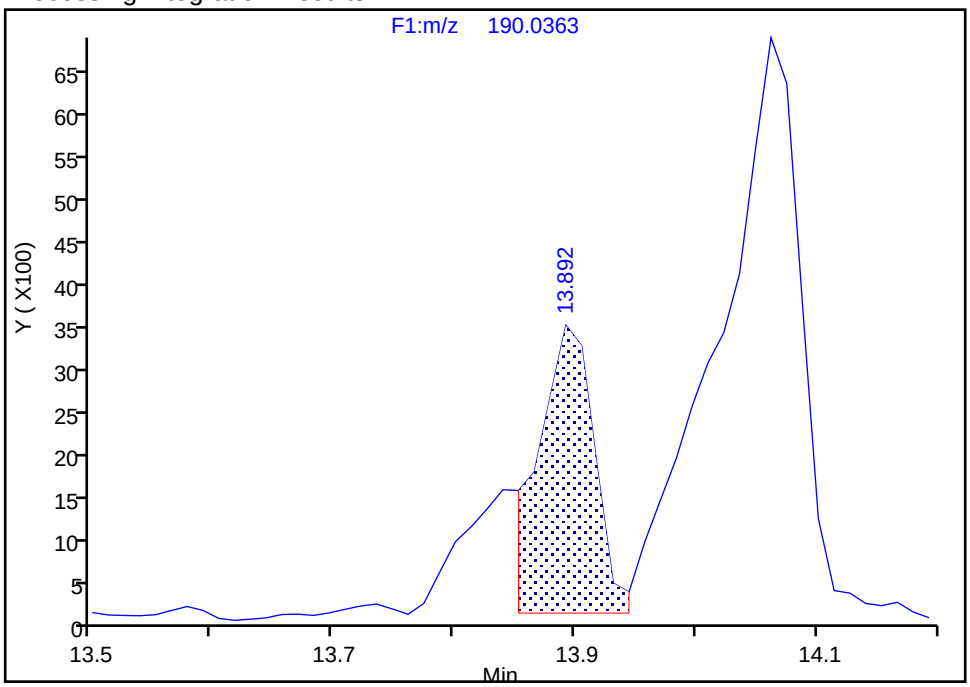
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 2

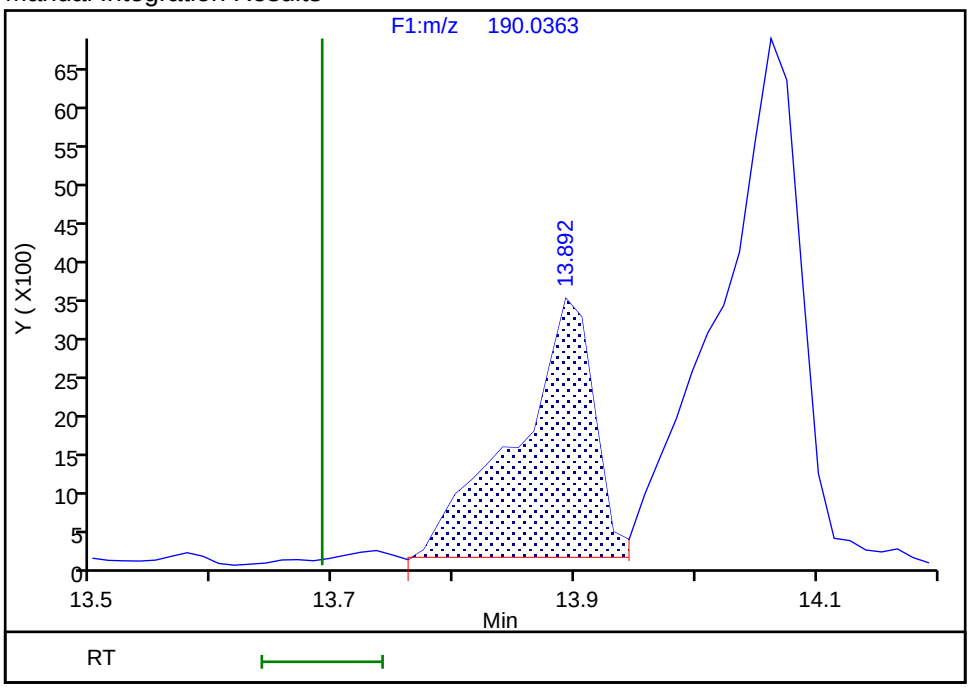
Processing Integration Results

RT: 13.89
Area: 10527
Amount: 1.652459
Amount Units: pg/ul




Manual Integration Results

RT: 13.89
Area: 14858
Amount: 2.167762
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:33:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

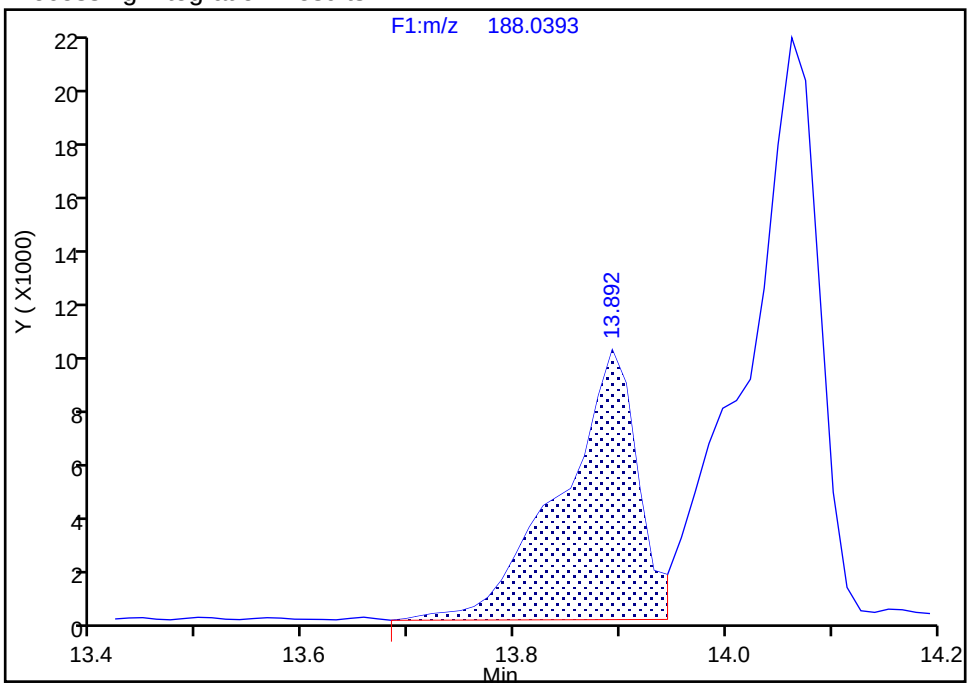
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 1

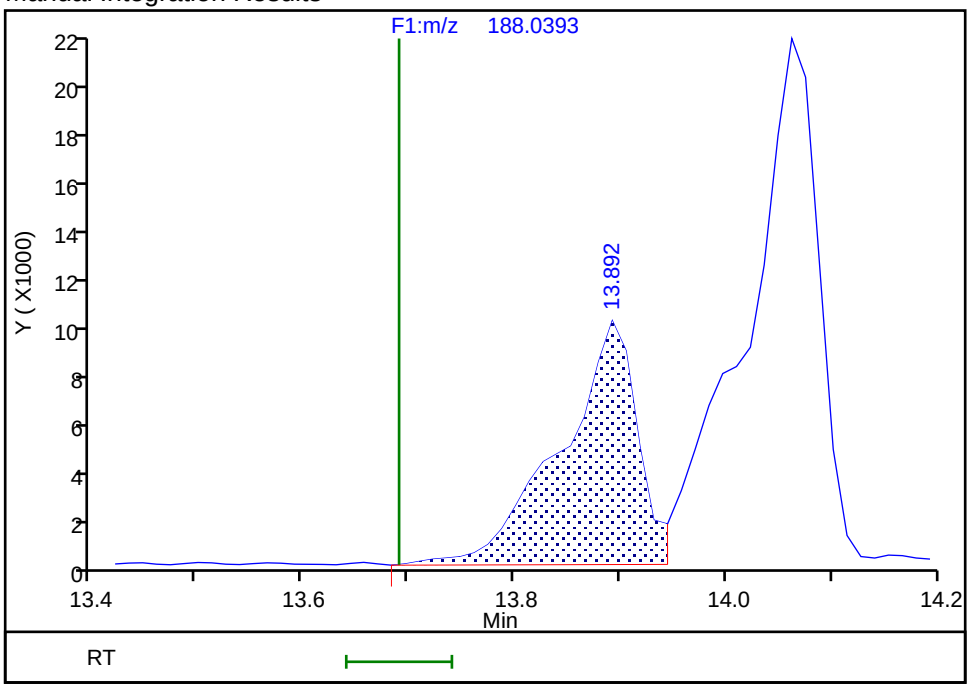
Processing Integration Results

RT: 13.89
Area: 49381
Amount: 1.652459
Amount Units: pg/ul




Manual Integration Results

RT: 13.89
Area: 49381
Amount: 2.167762
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:33:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

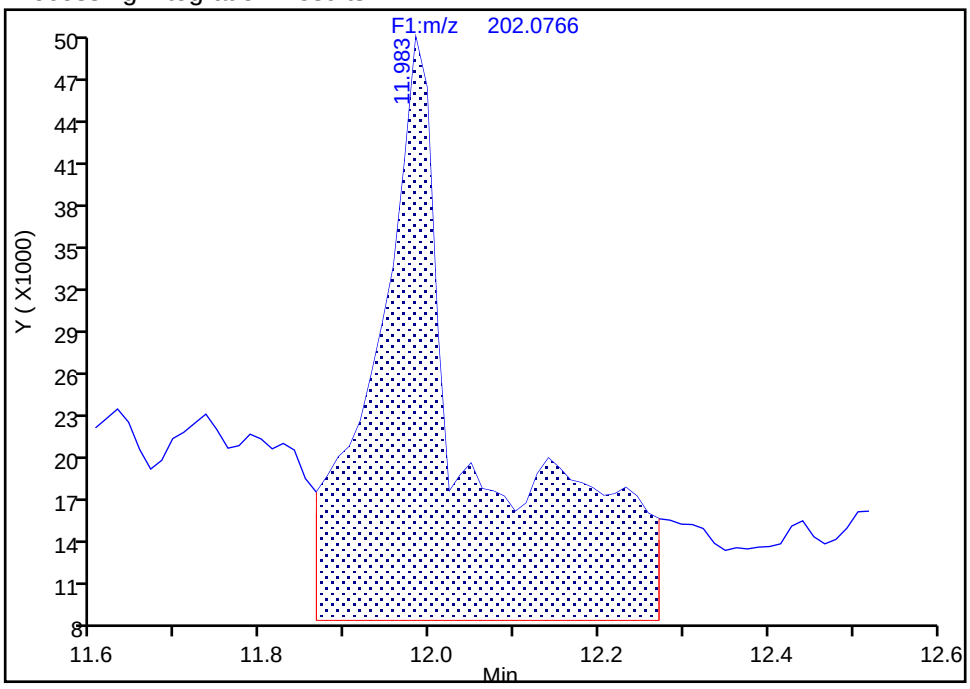
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

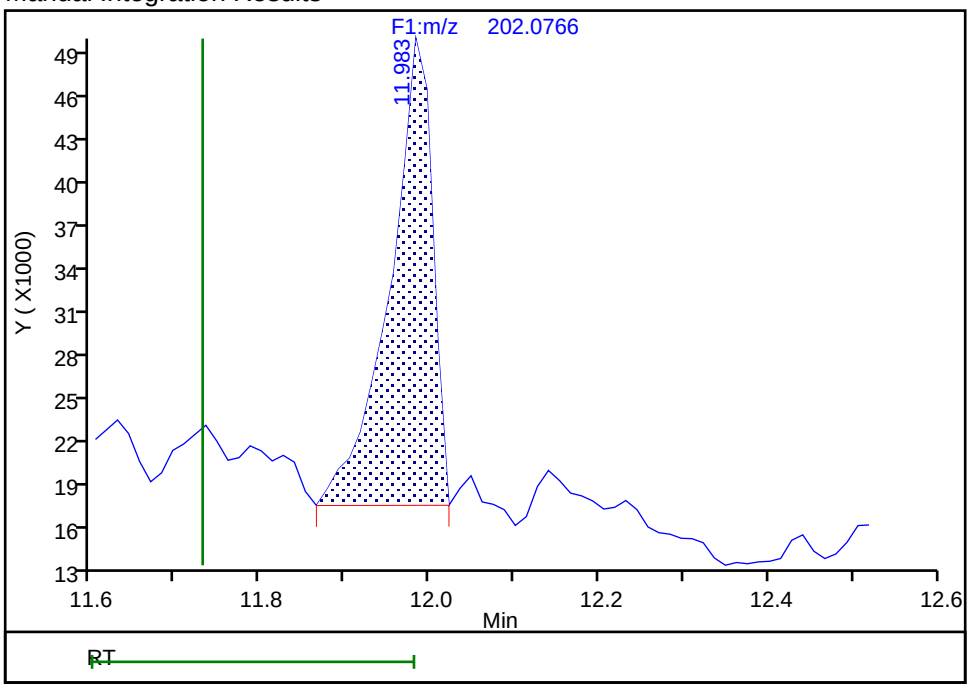
Processing Integration Results

RT: 11.98
Area: 333777
Amount: 16.823962
Amount Units: pg/ul




Manual Integration Results

RT: 11.98
Area: 111457
Amount: 11.352186
Amount Units: pg/ul



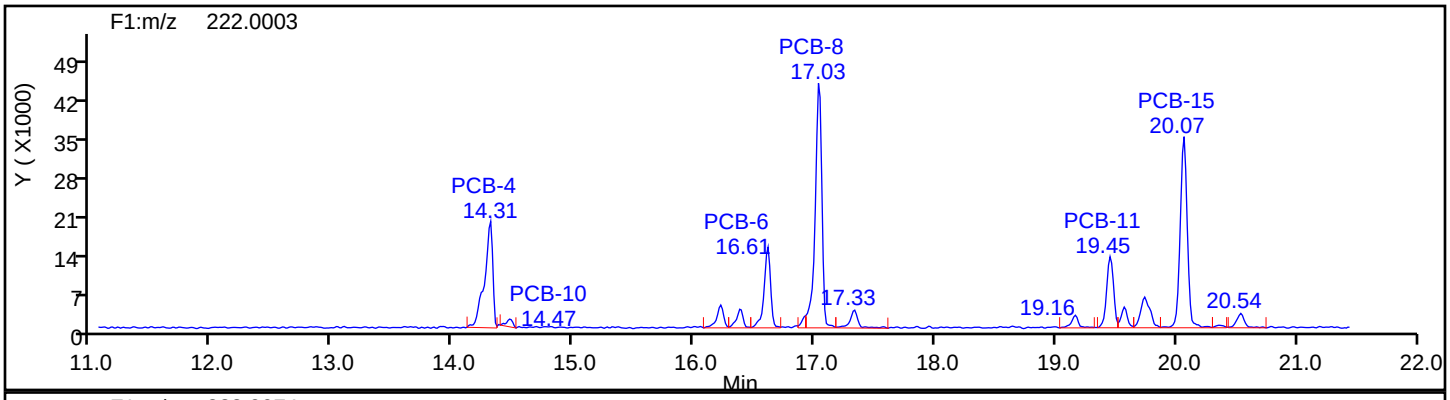

Reviewer: davidsonm, 04-Oct-2019 14:10:09

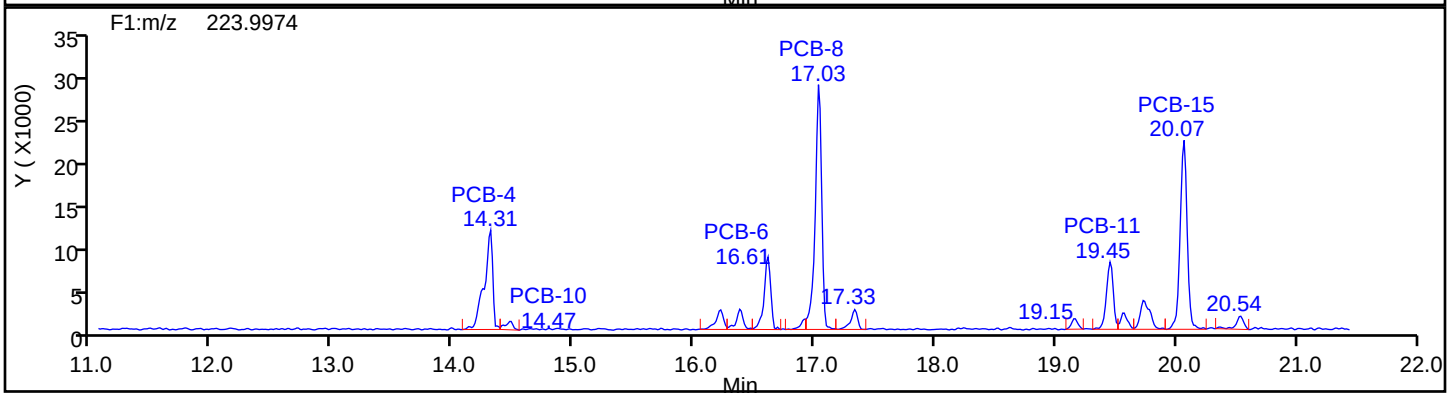
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

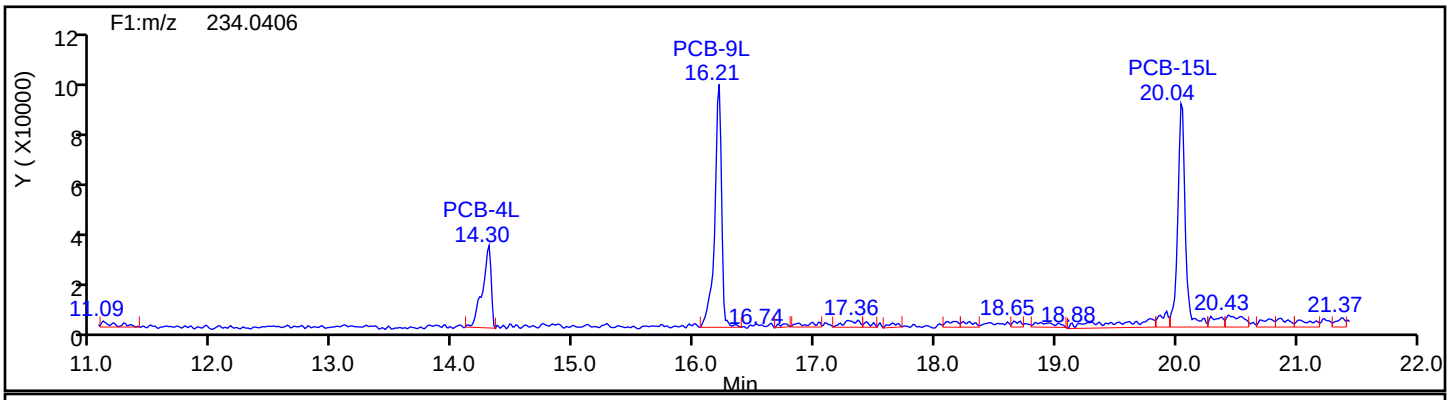
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

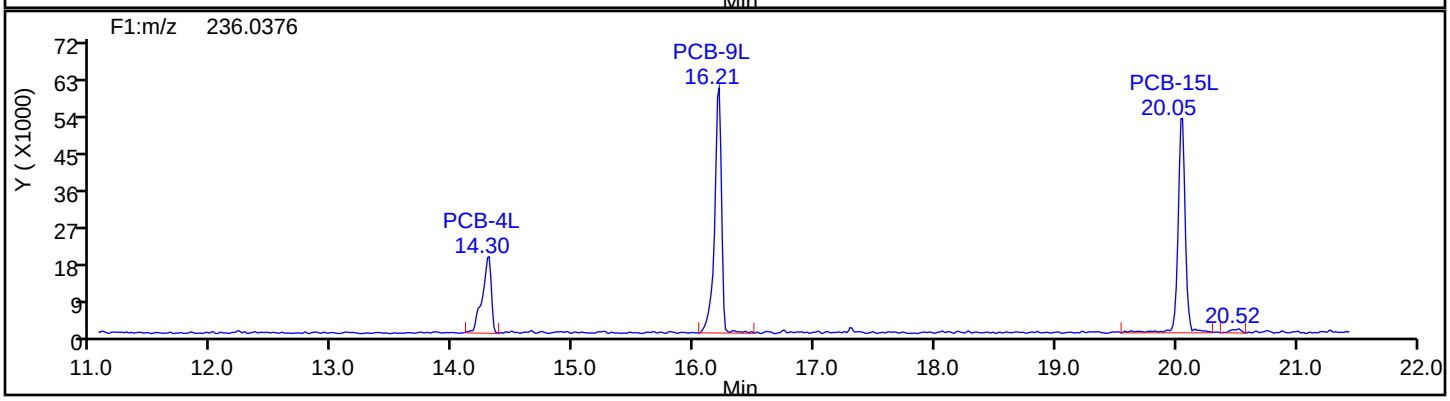
DiPCB F1




DiPCB F1 Standards

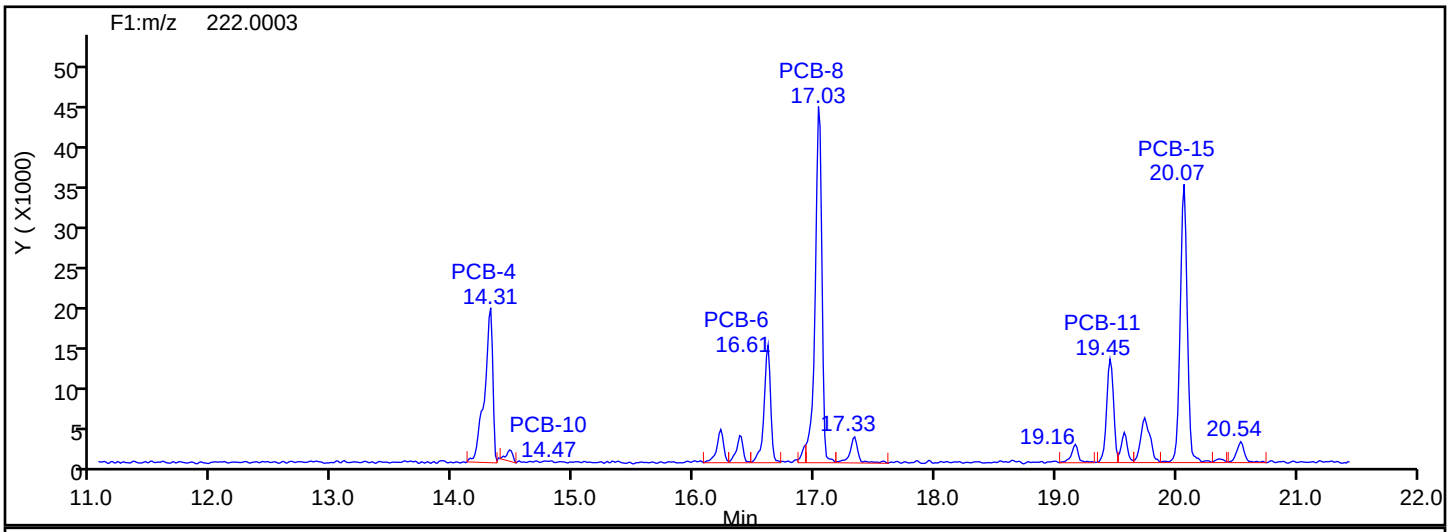


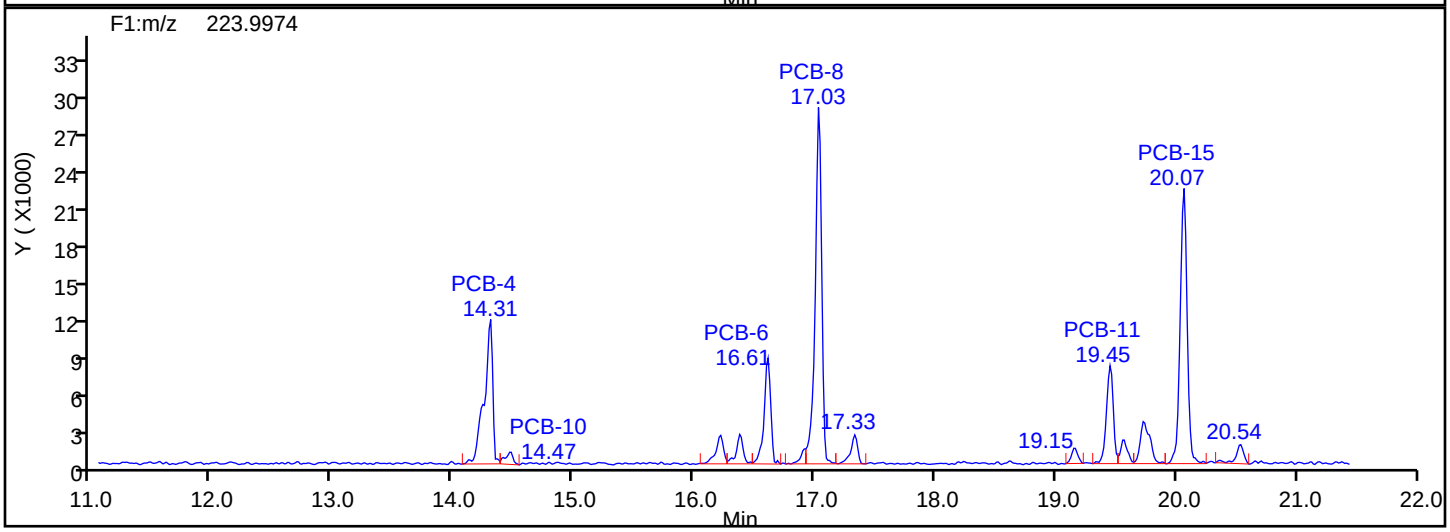



Eurofins TestAmerica, Knoxville

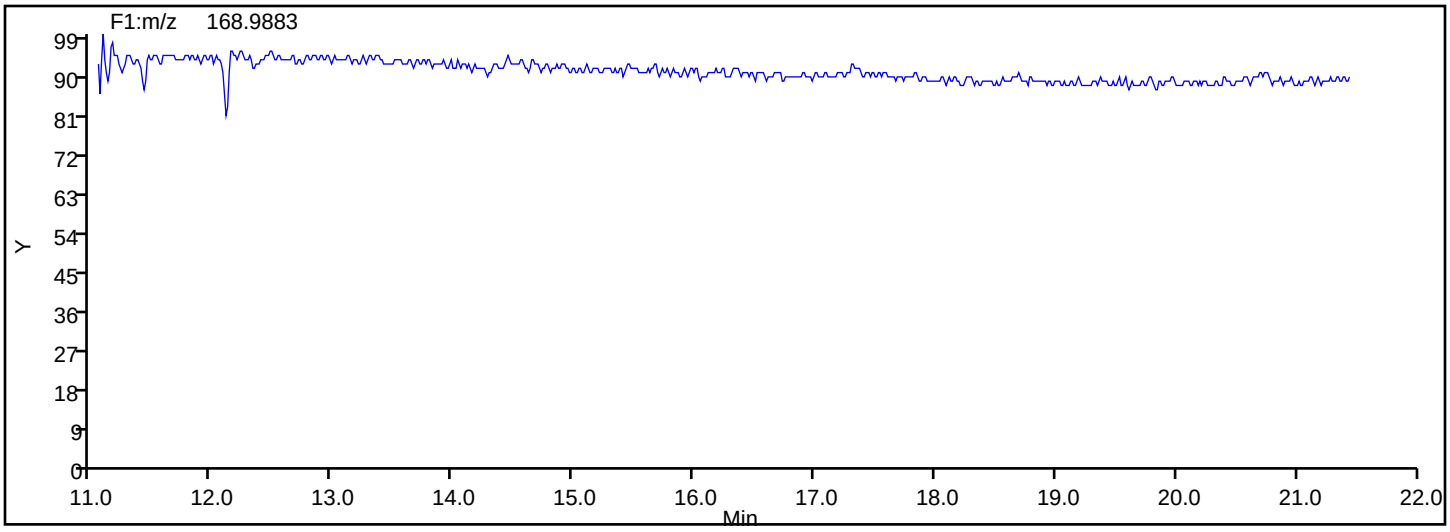
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

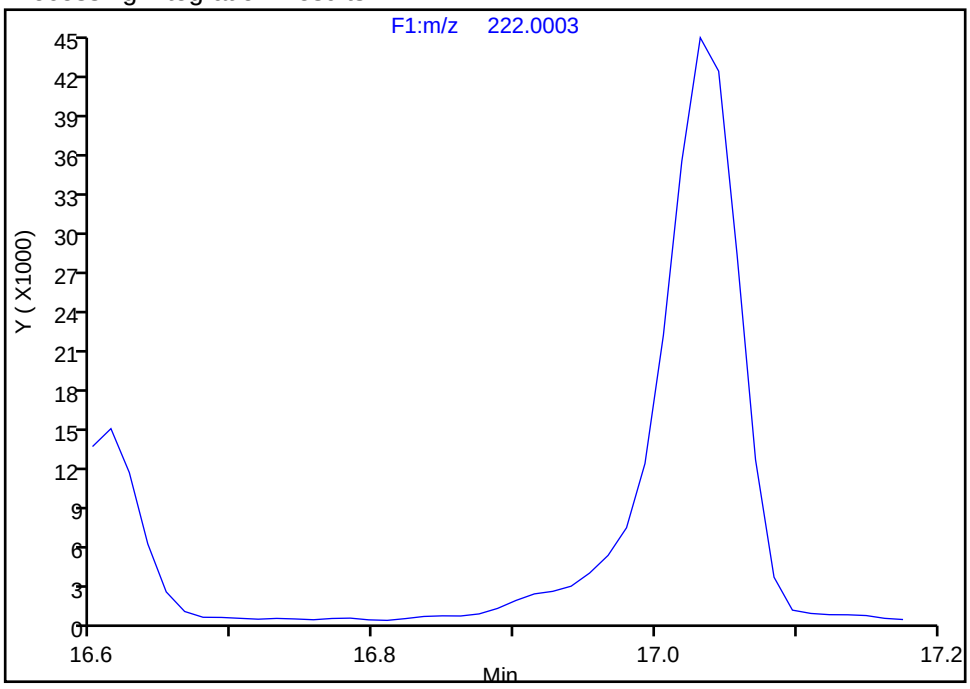
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 1

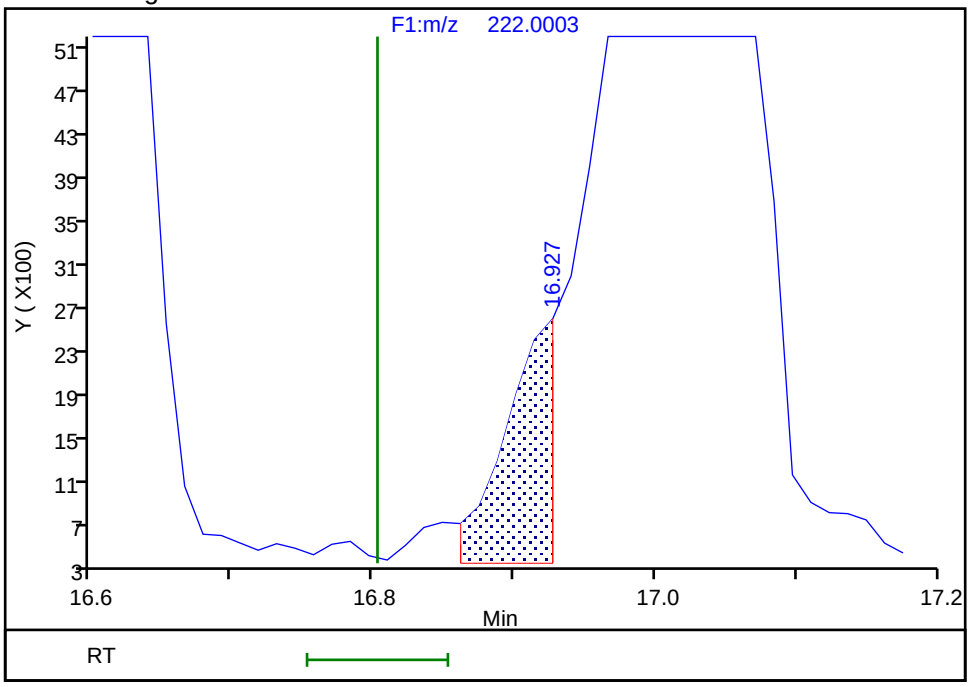
Not Detected
Expected RT: 16.80

Processing Integration Results




Manual Integration Results

RT: 16.93
Area: 4925
Amount: 0.252265
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 13:40:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

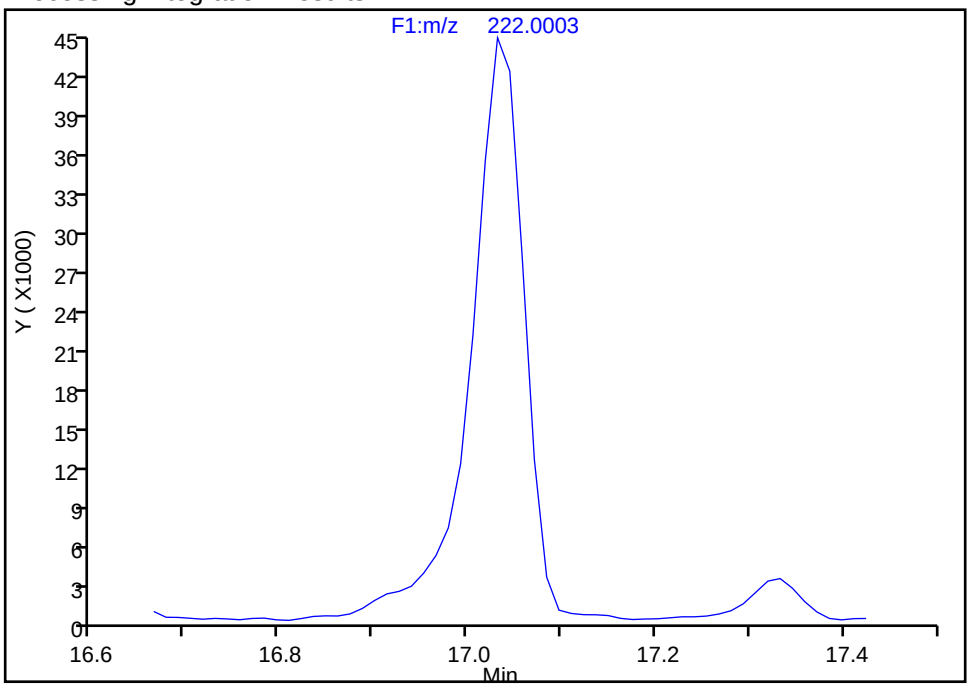
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

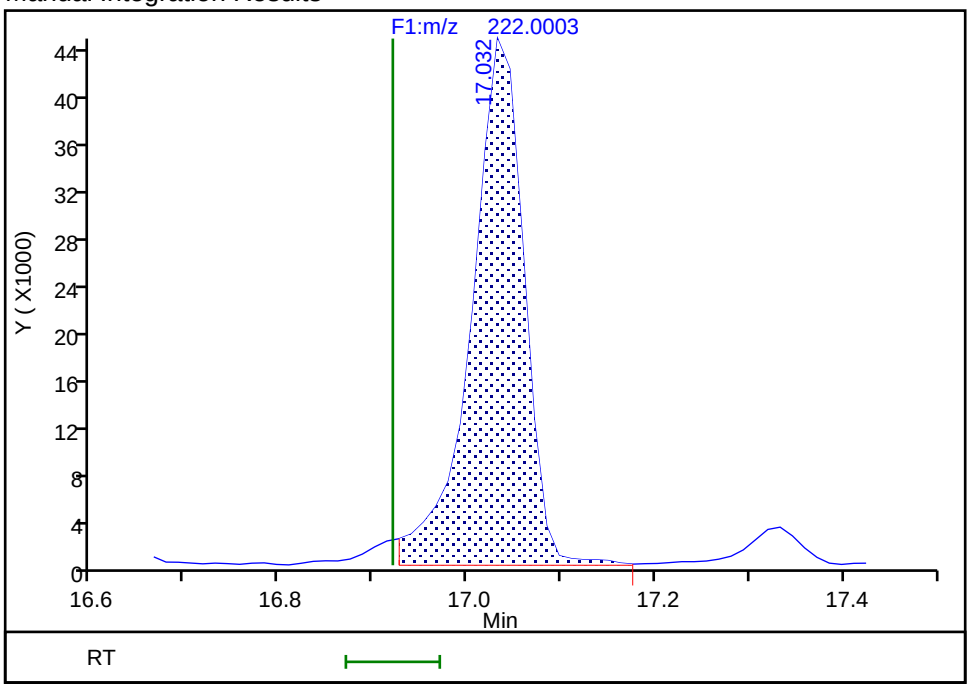
Not Detected
Expected RT: 16.92

Processing Integration Results




Manual Integration Results

RT: 17.03
Area: 171283
Amount: 8.141925
Amount Units: pg/ul

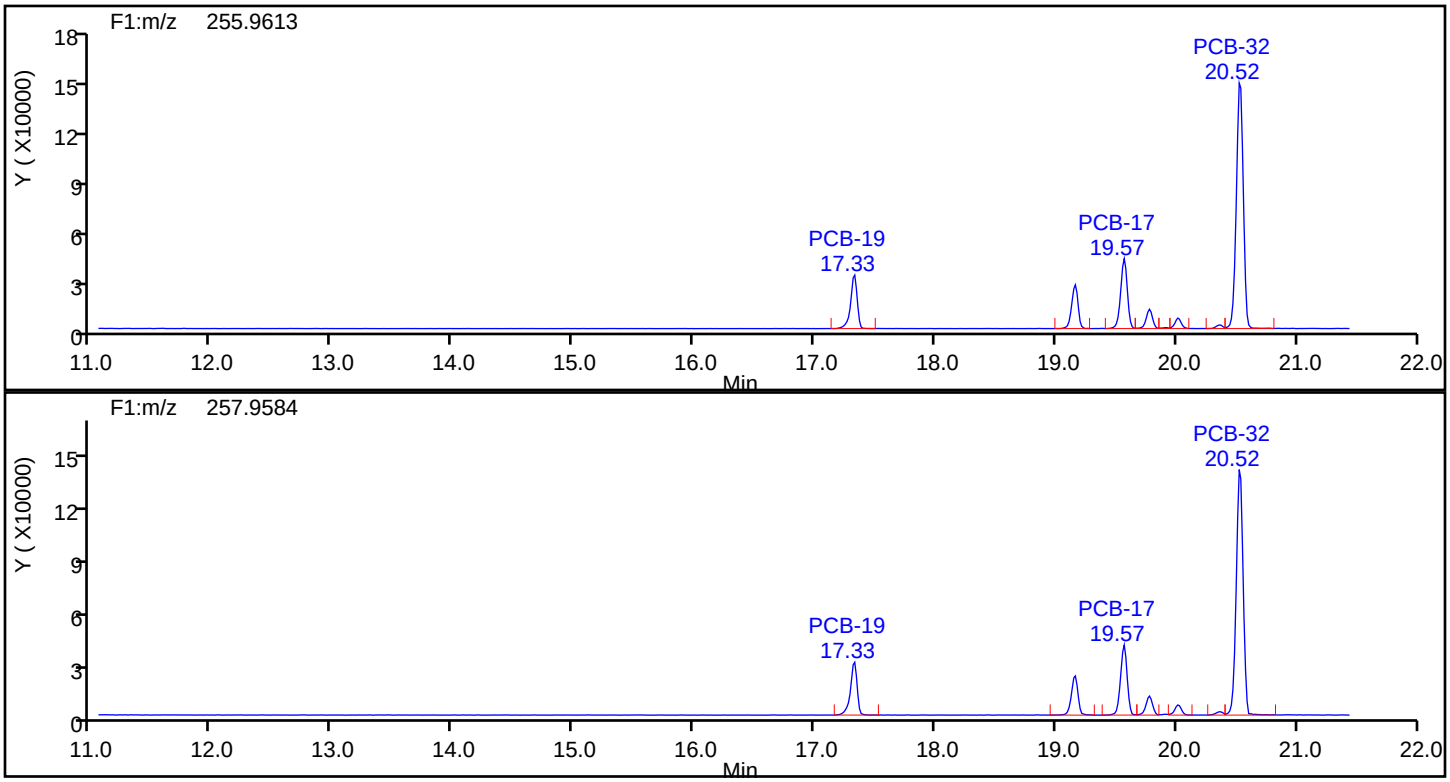



Reviewer: davidsonm, 04-Oct-2019 13:40:06
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

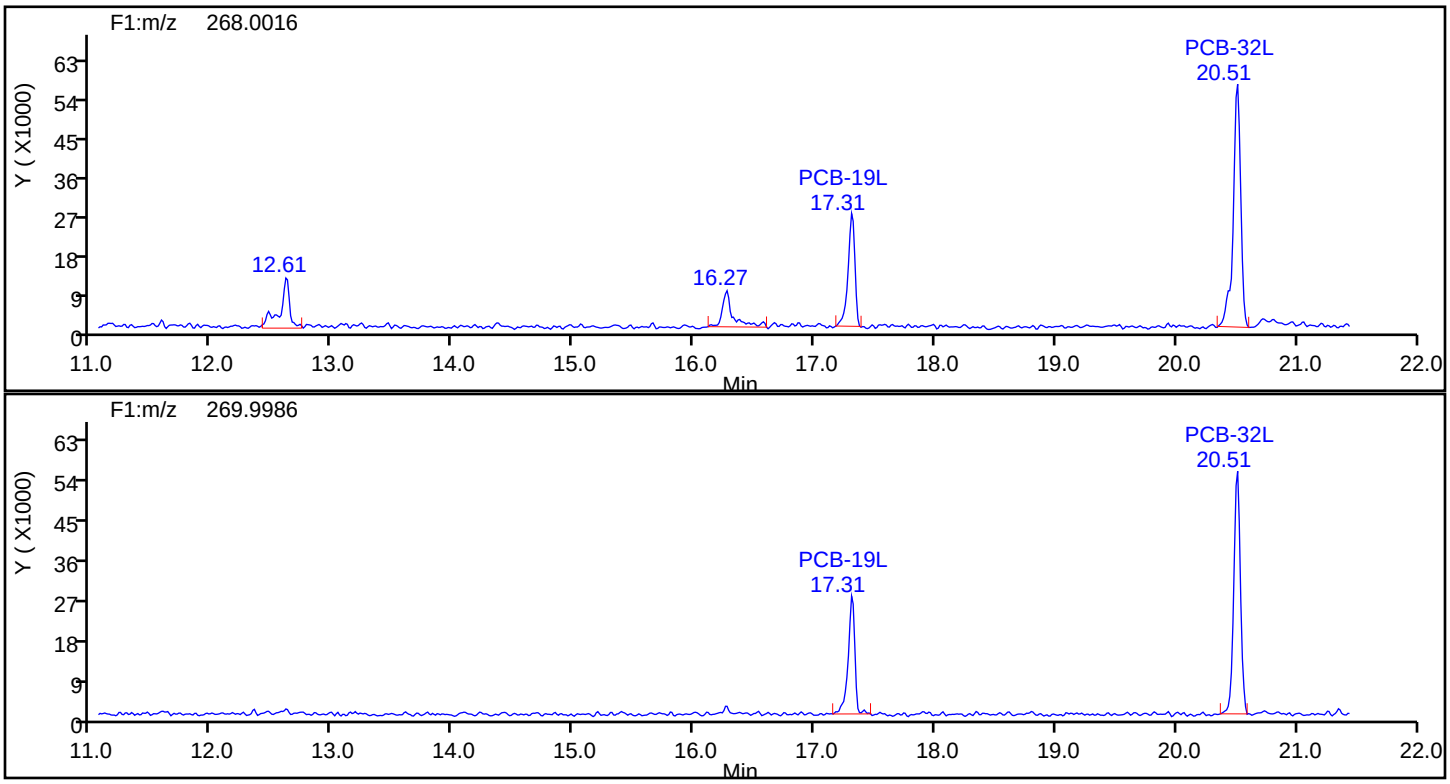
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



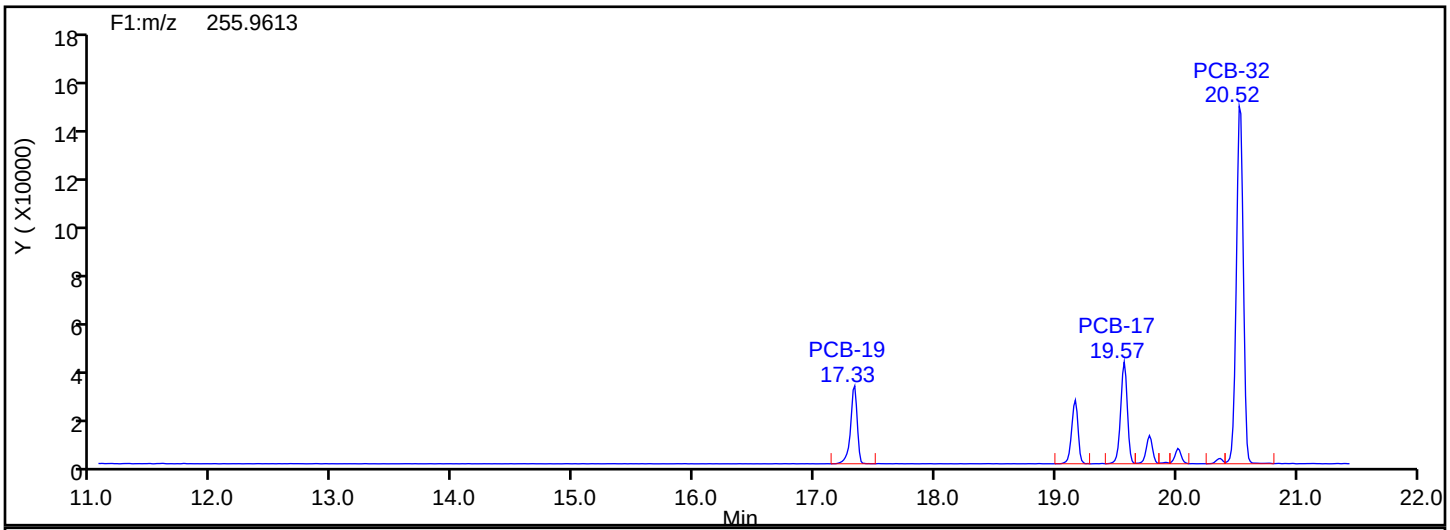

TriPCB F1 Standards

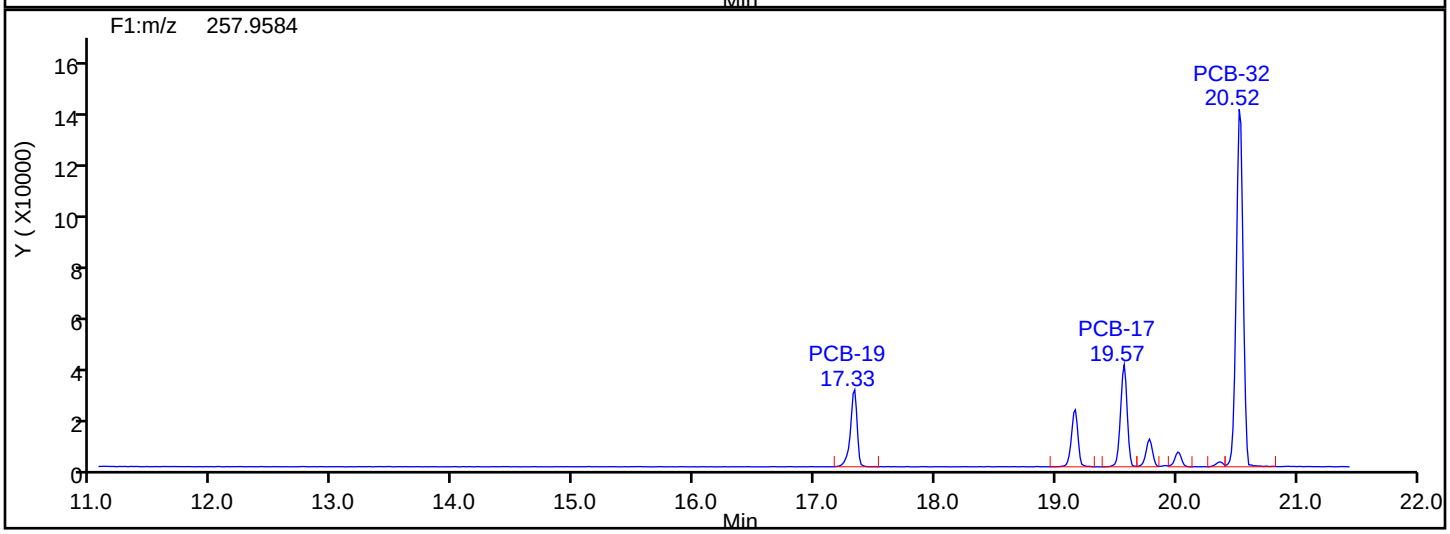


Eurofins TestAmerica, Knoxville

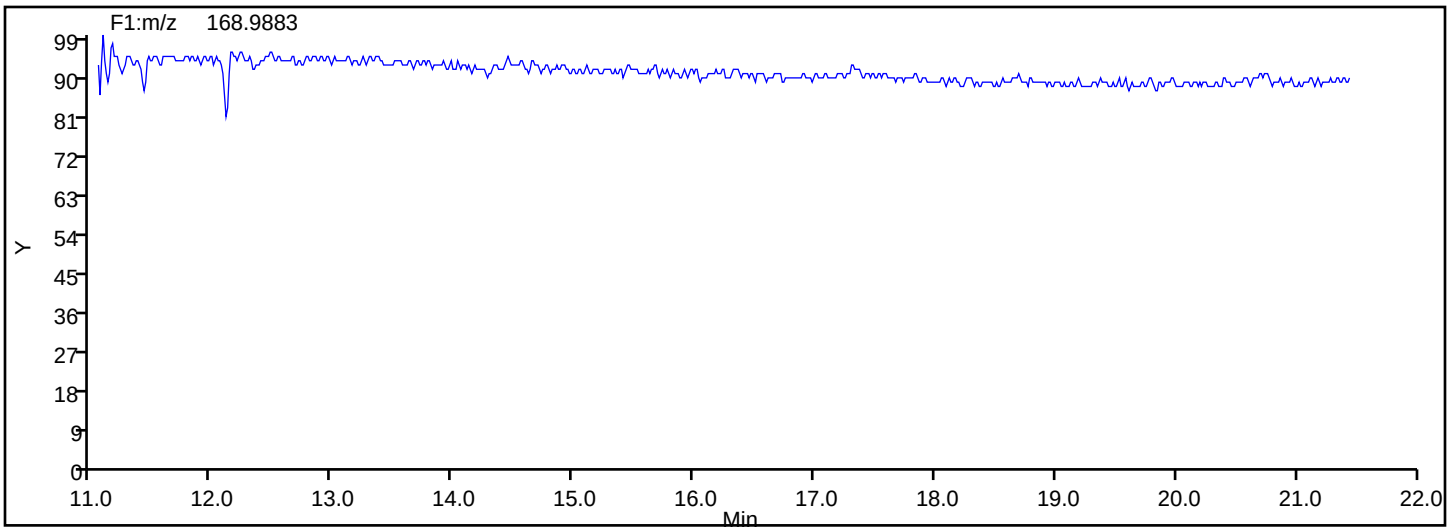
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



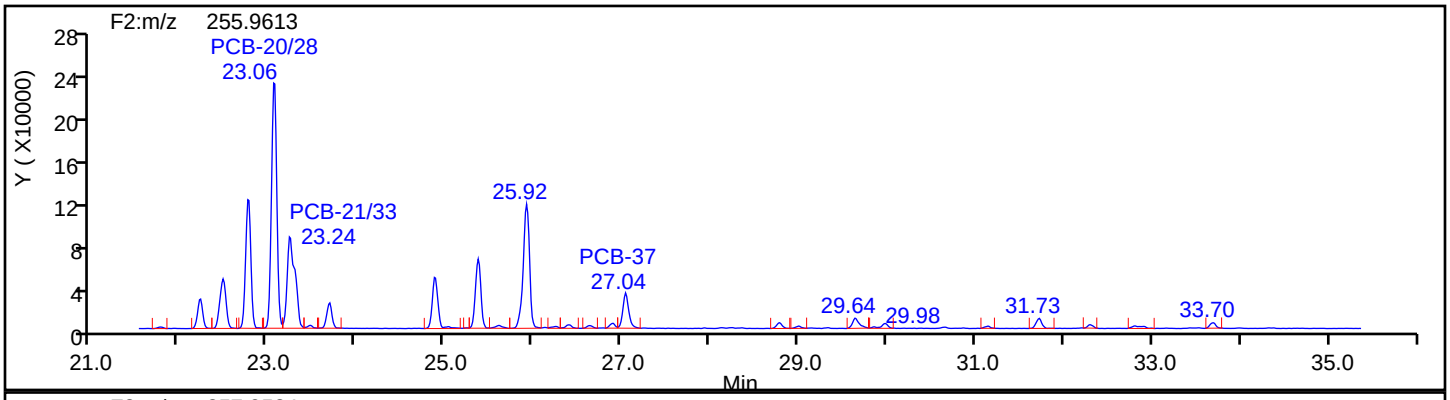

TriPCB F1 Lock Mass

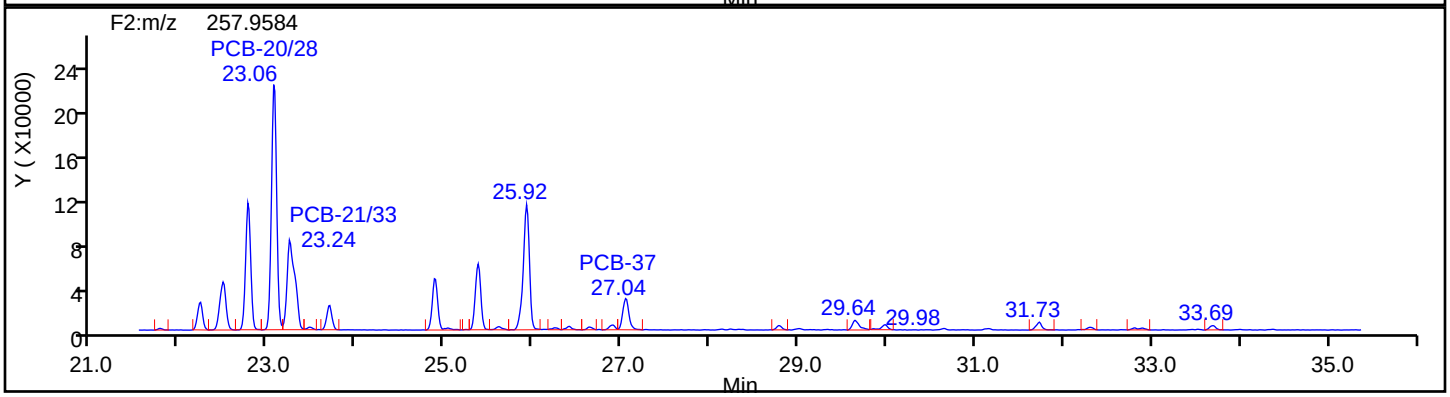


Eurofins TestAmerica, Knoxville

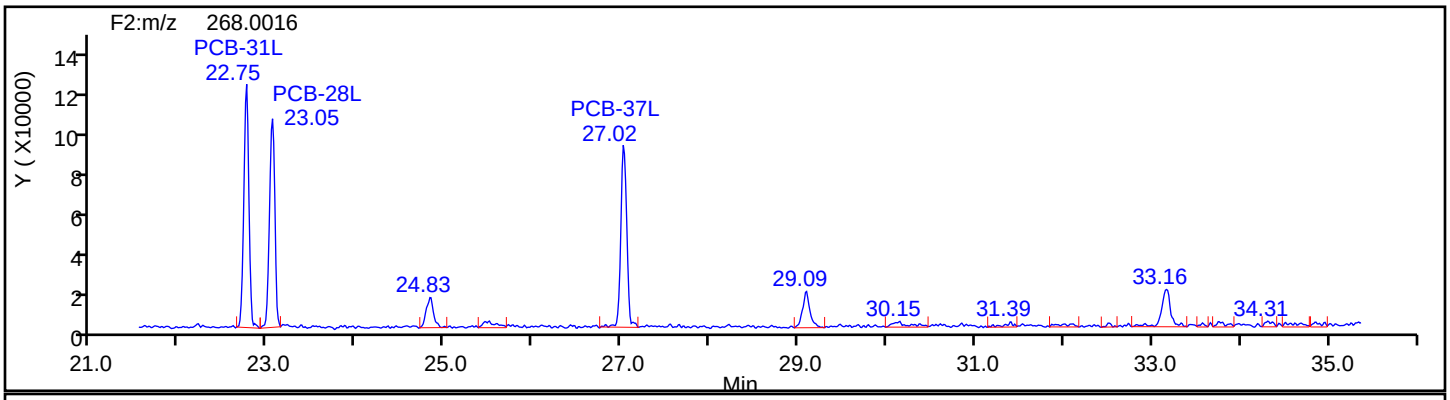
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

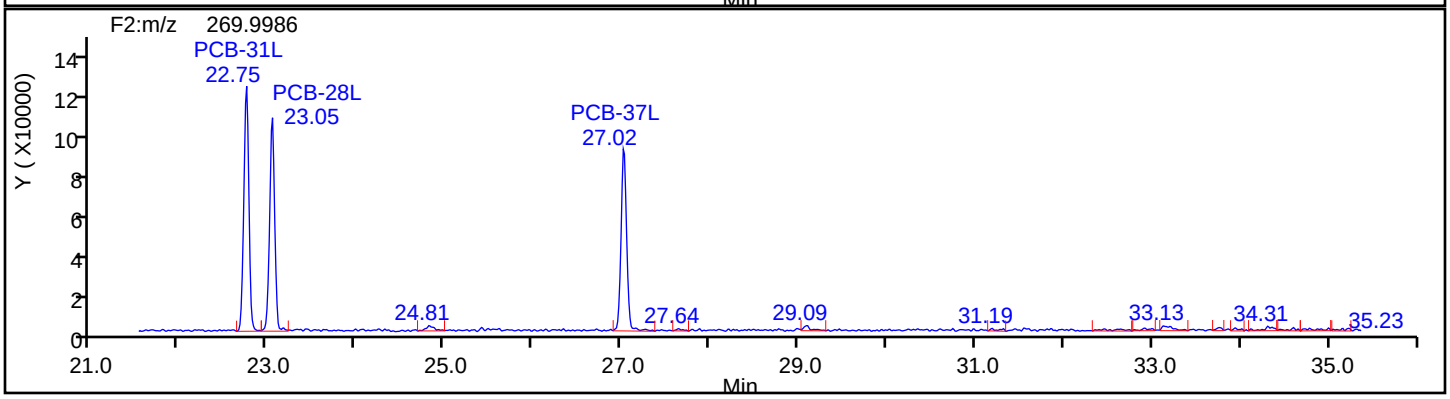
TriPCB F2




TriPCB F2 Standards

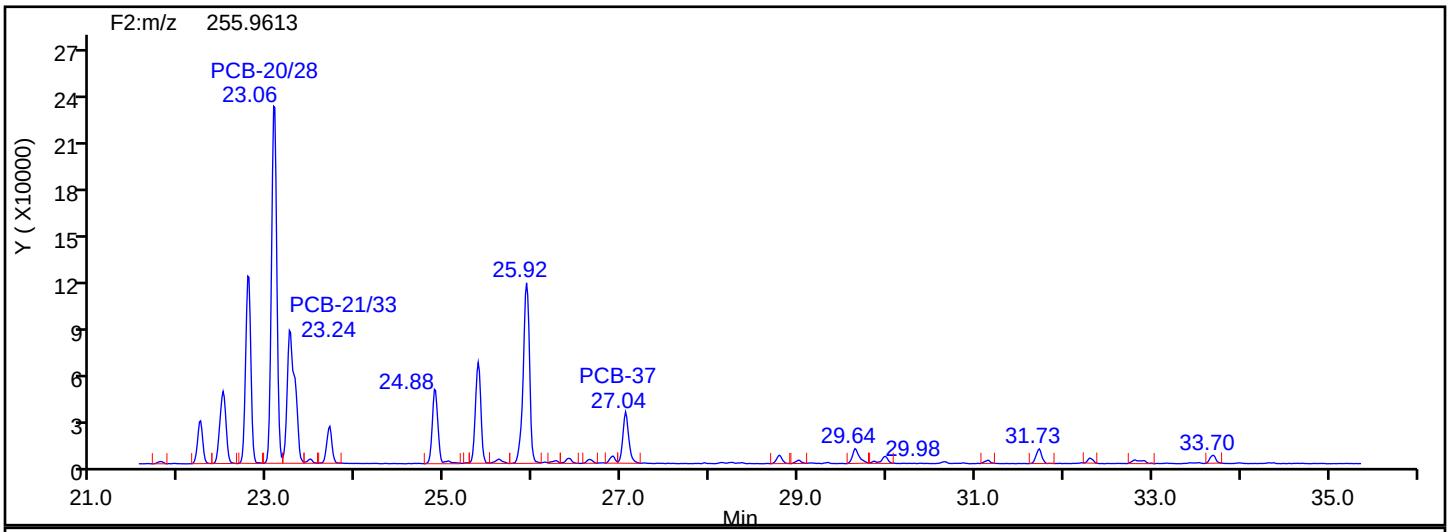


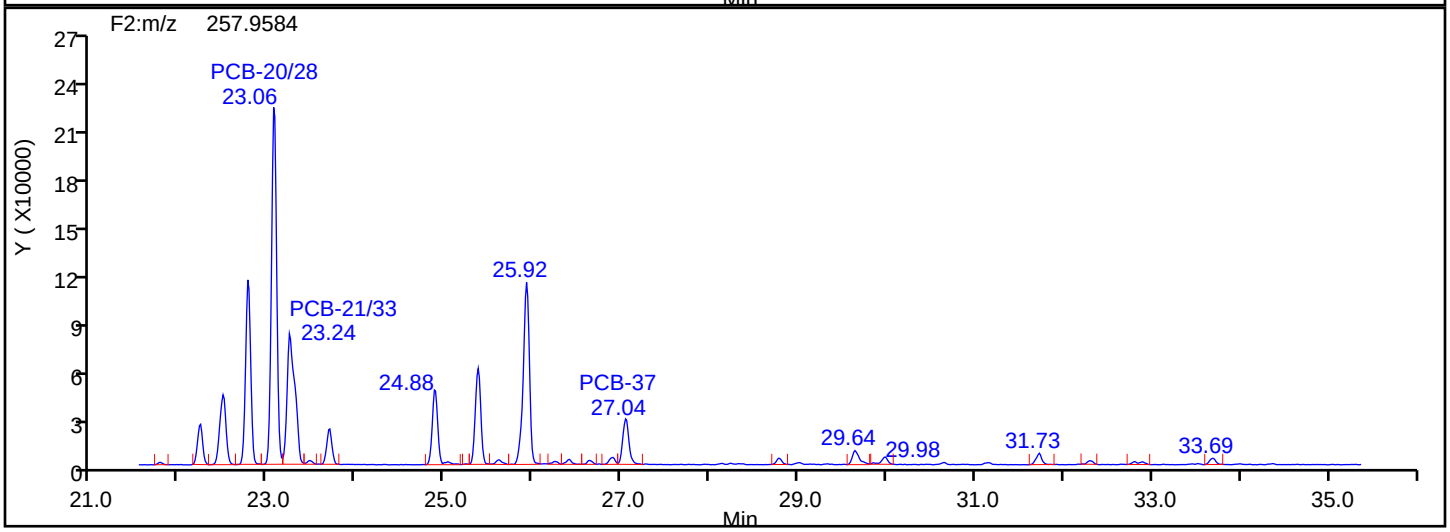



Eurofins TestAmerica, Knoxville

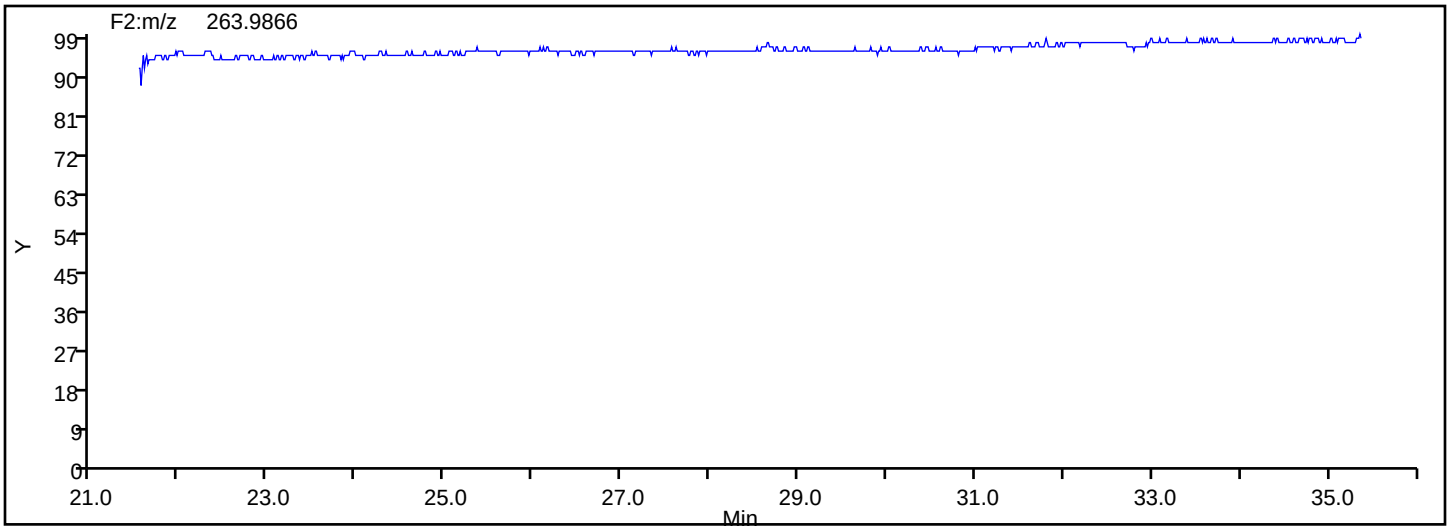
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

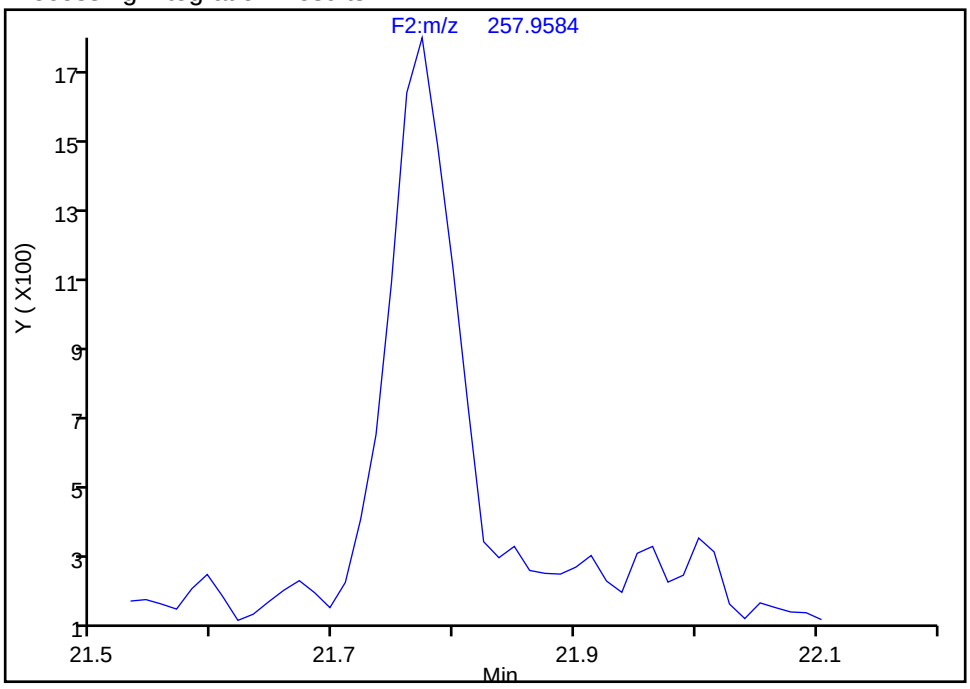
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 2

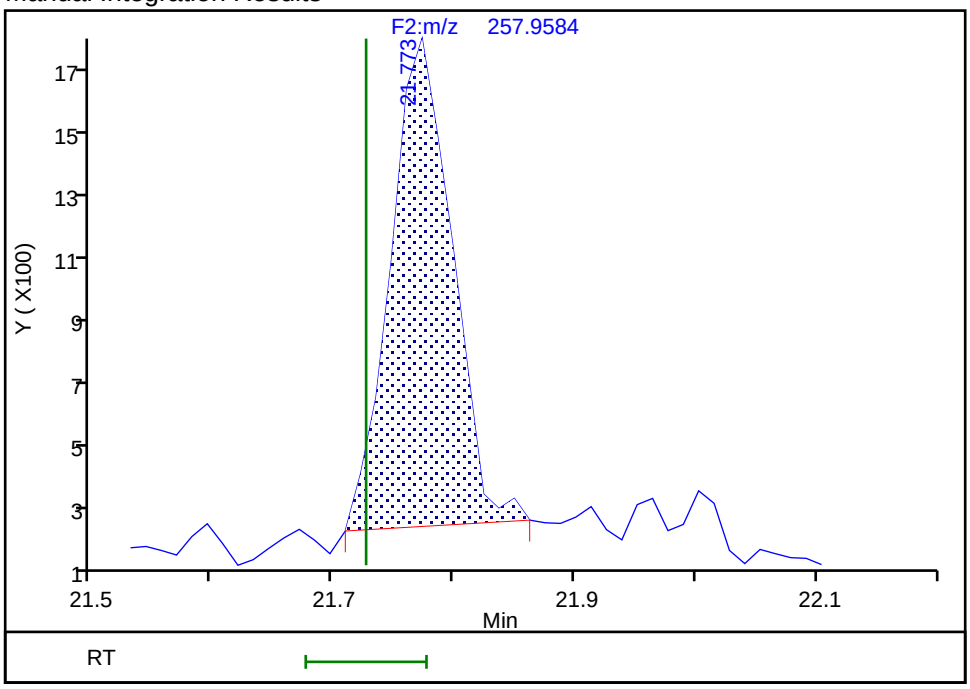
Not Detected
Expected RT: 21.73

Processing Integration Results




Manual Integration Results

RT: 21.77
Area: 5256
Amount: 0.238426
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:34:35
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

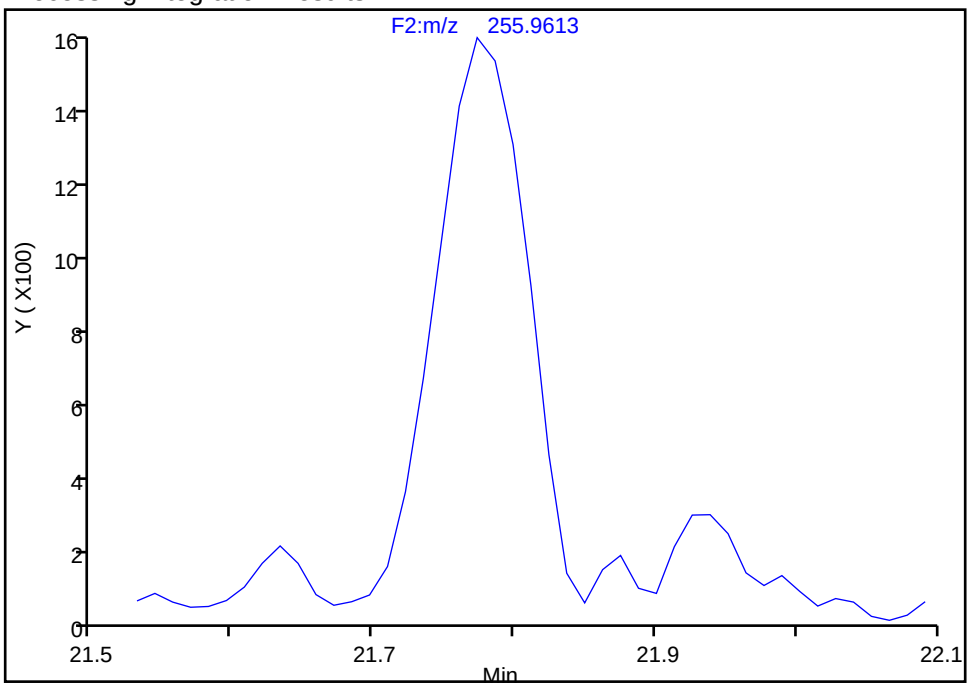
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

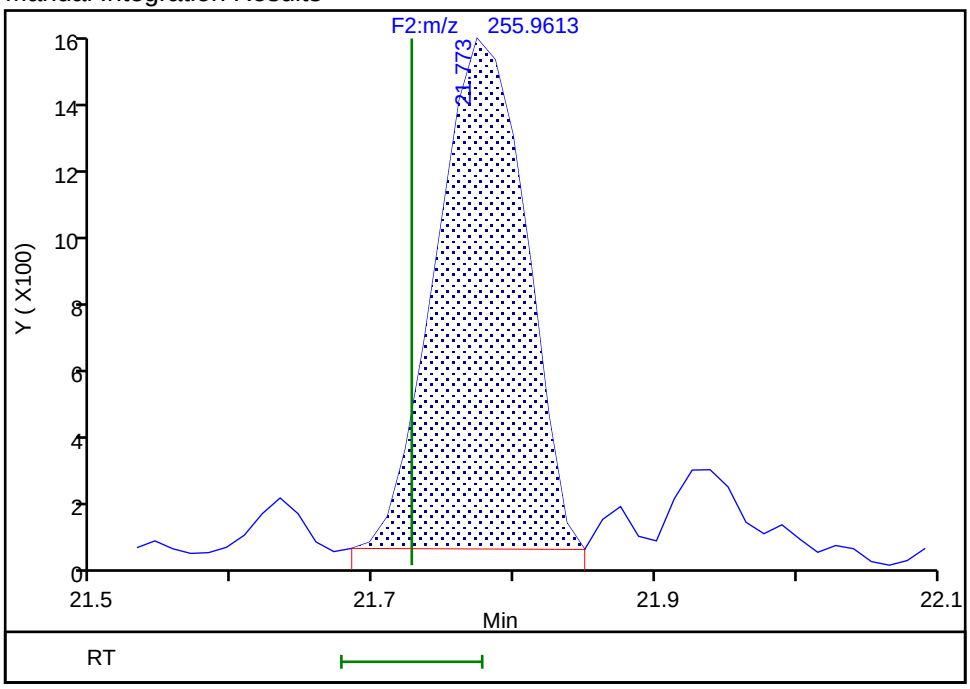
Not Detected
Expected RT: 21.73

Processing Integration Results




Manual Integration Results

RT: 21.77
Area: 6354
Amount: 0.238426
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:34:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

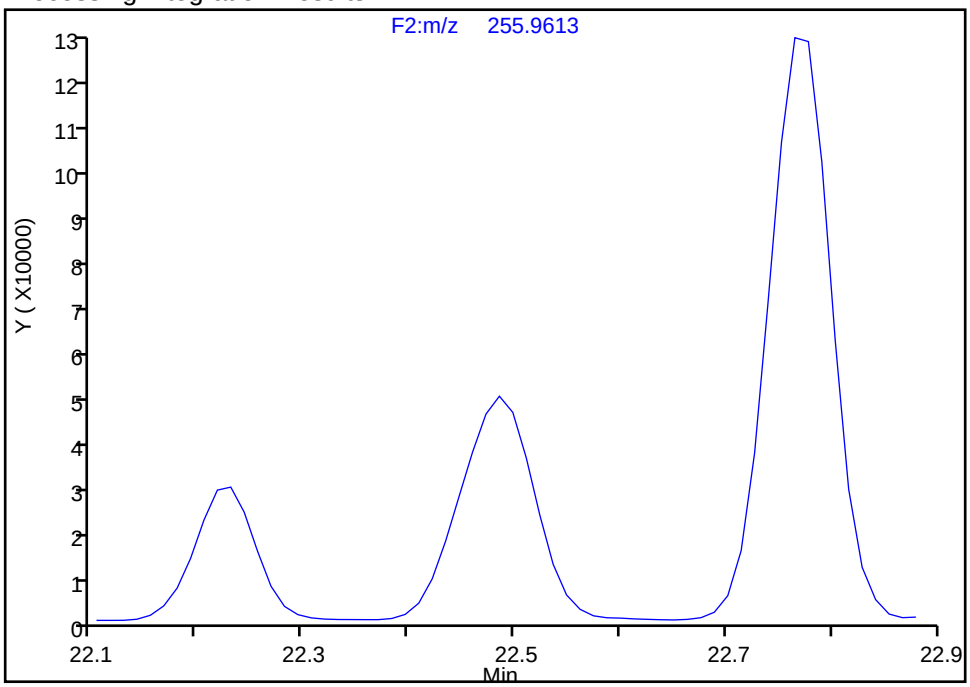
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-25, CAS: 55712-37-3

Signal: 1

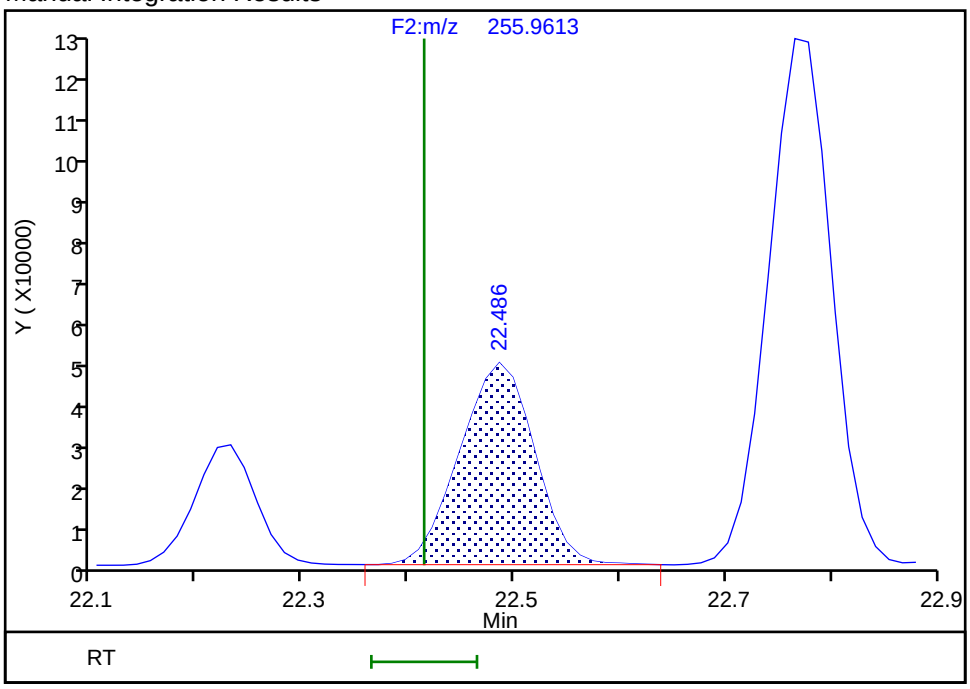
Not Detected
Expected RT: 22.41

Processing Integration Results




Manual Integration Results

RT: 22.49
Area: 226336
Amount: 8.122517
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:34:57
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

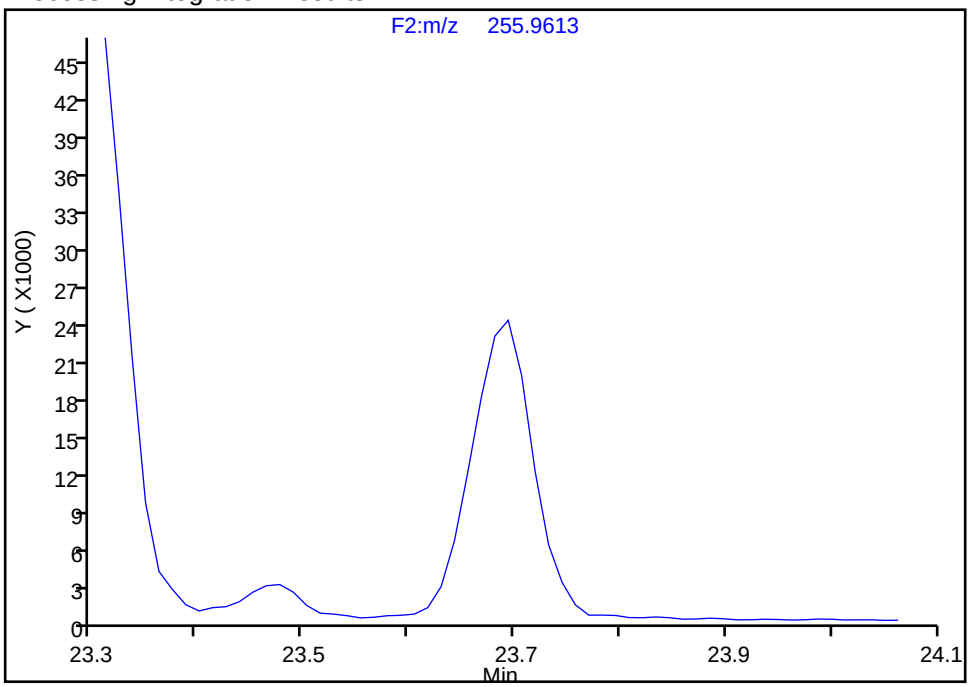
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-22, CAS: 38444-85-8

Signal: 1

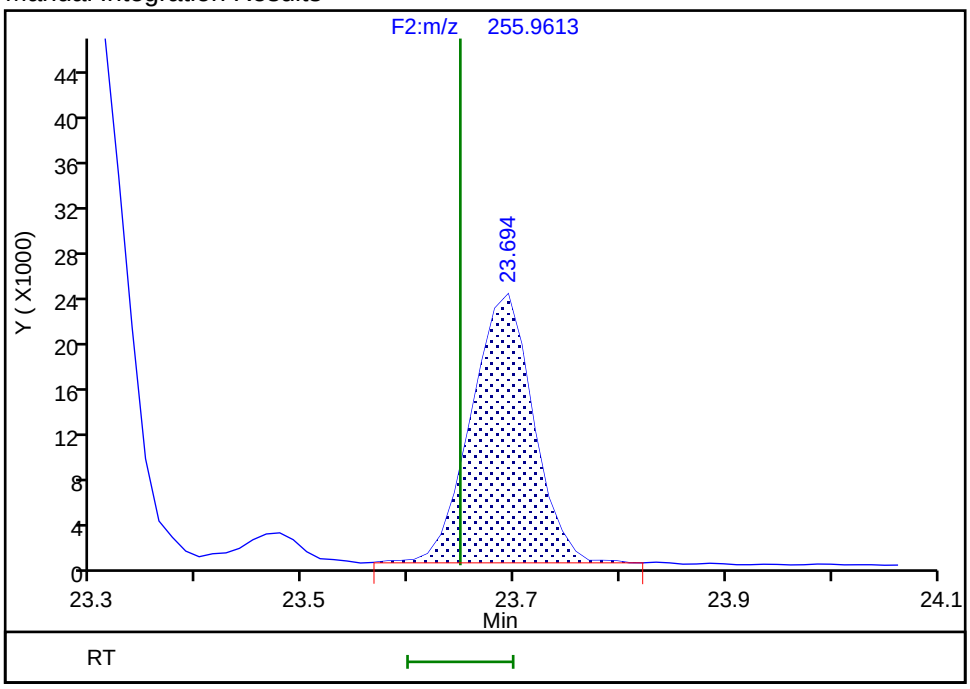
Not Detected
Expected RT: 23.65

Processing Integration Results




Manual Integration Results

RT: 23.69
Area: 96364
Amount: 3.735234
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:35:06
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

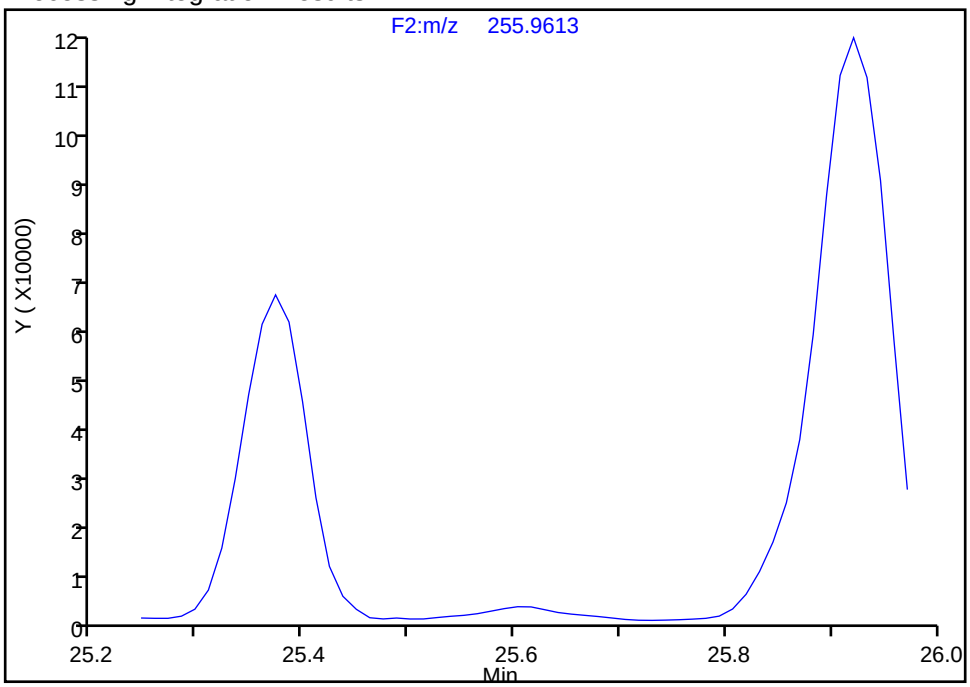
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

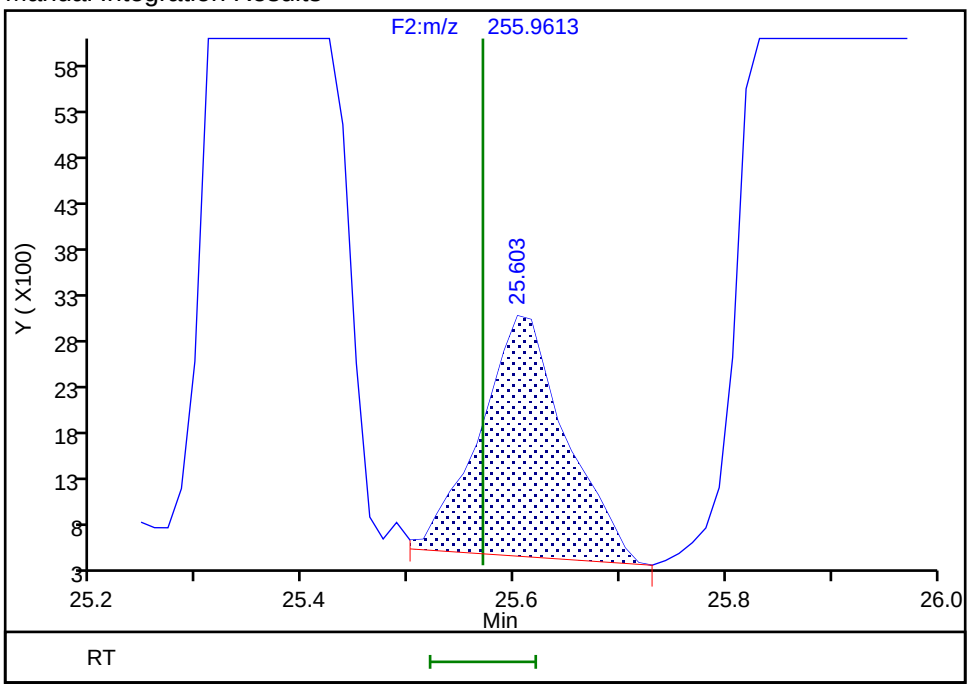
Not Detected
Expected RT: 25.57

Processing Integration Results




Manual Integration Results

RT: 25.60
Area: 14843
Amount: 0.516038
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:36:05
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

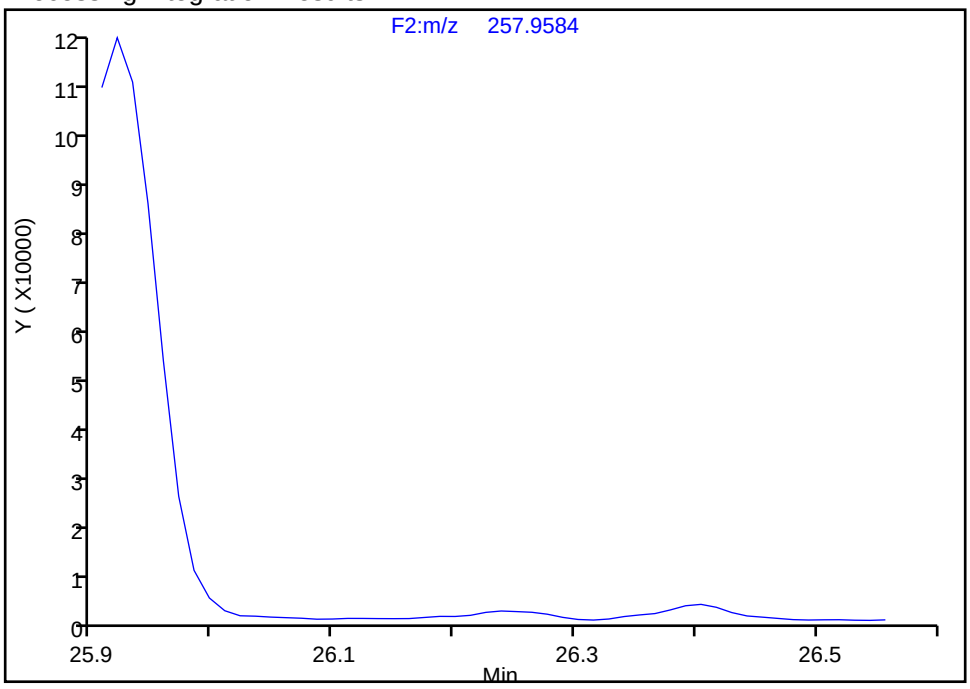
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-38, CAS: 53555-66-1

Signal: 2

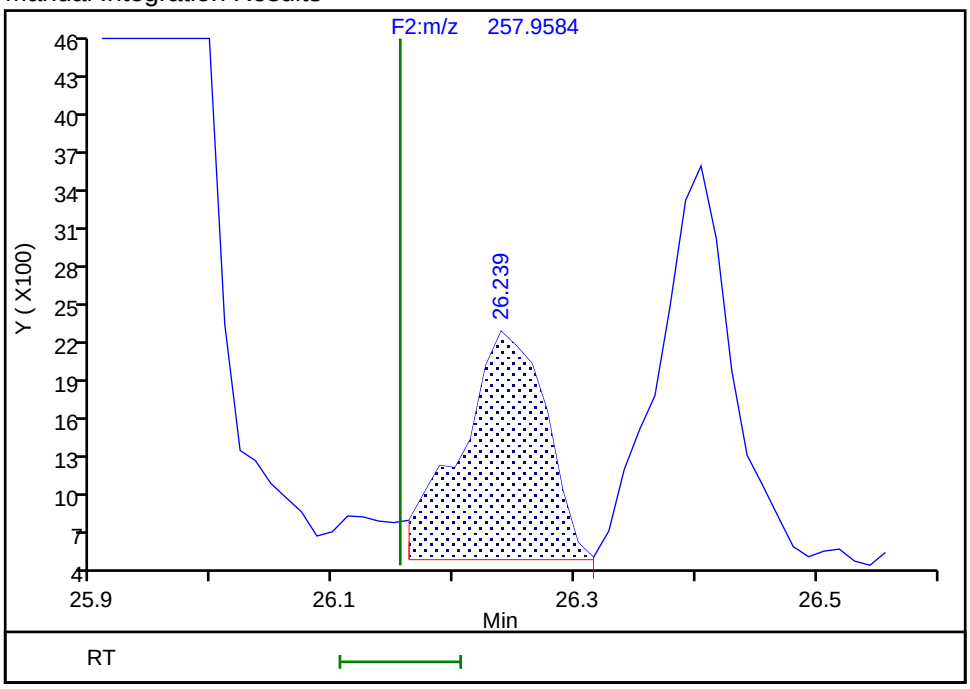
Not Detected
Expected RT: 26.16

Processing Integration Results




Manual Integration Results

RT: 26.24
Area: 8632
Amount: 0.333085
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:36:29
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

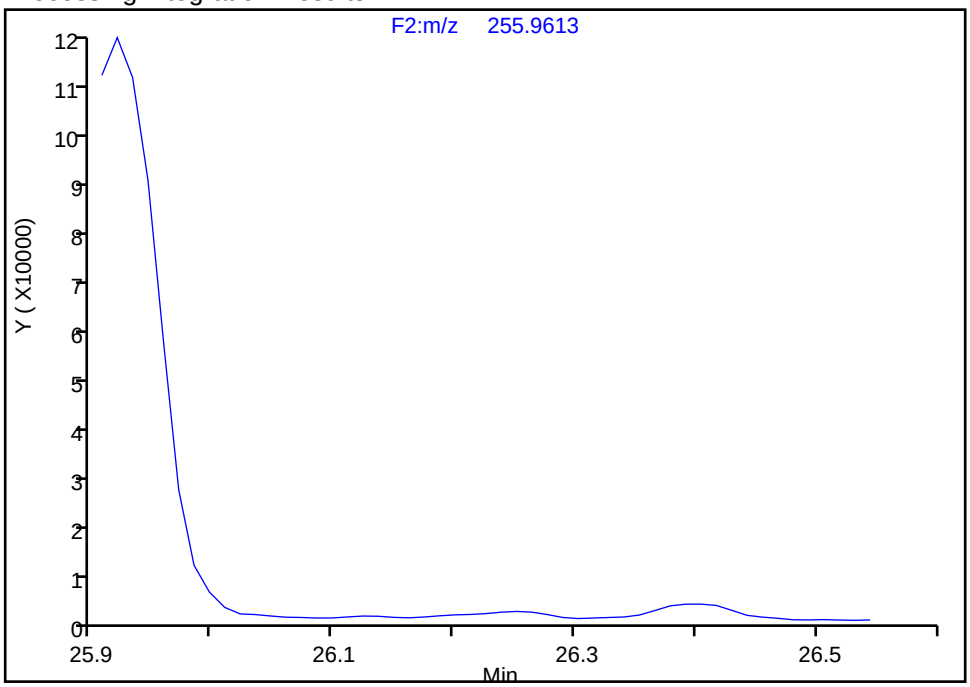
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-38, CAS: 53555-66-1

Signal: 1

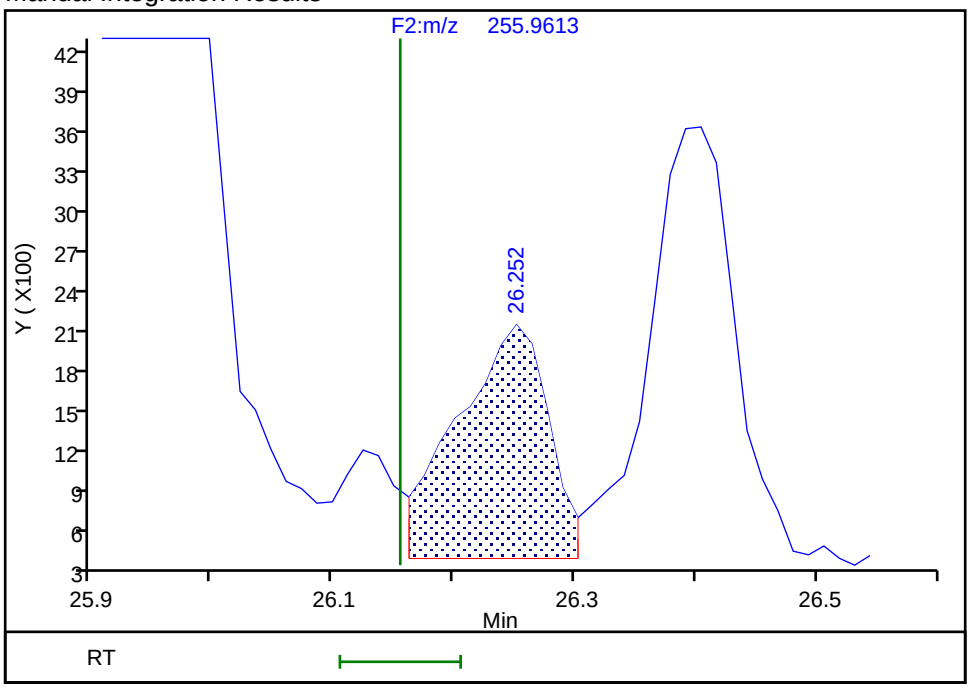
Not Detected
Expected RT: 26.16

Processing Integration Results




Manual Integration Results

RT: 26.25
Area: 8952
Amount: 0.333085
Amount Units: pg/ul

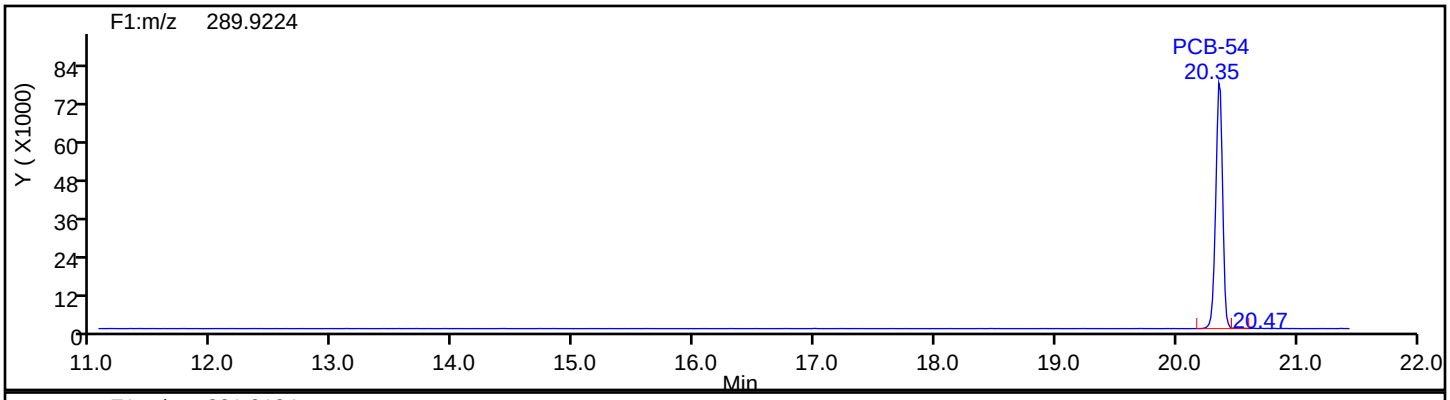


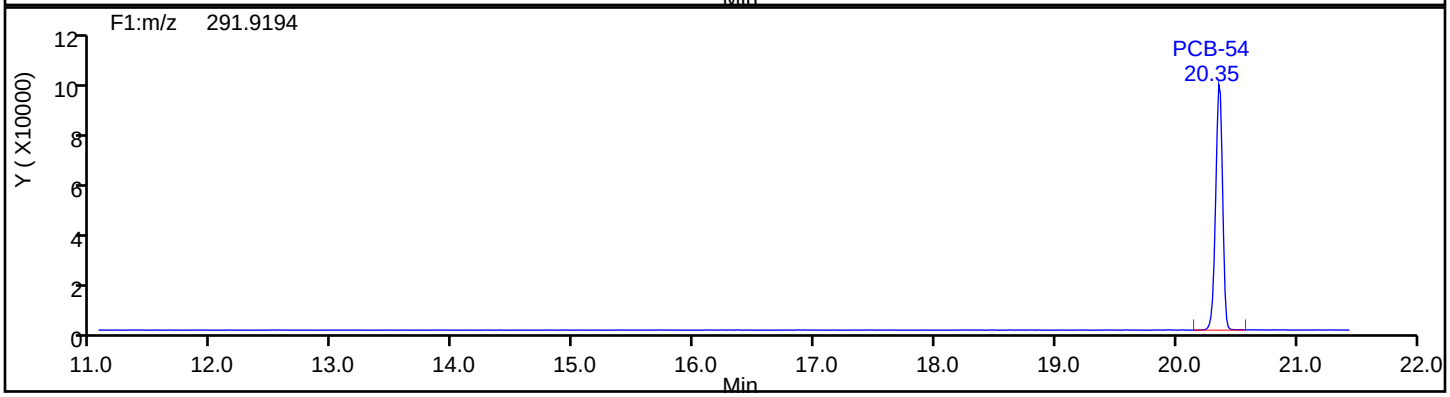

Reviewer: layk, 04-Oct-2019 10:36:46
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins TestAmerica, Knoxville

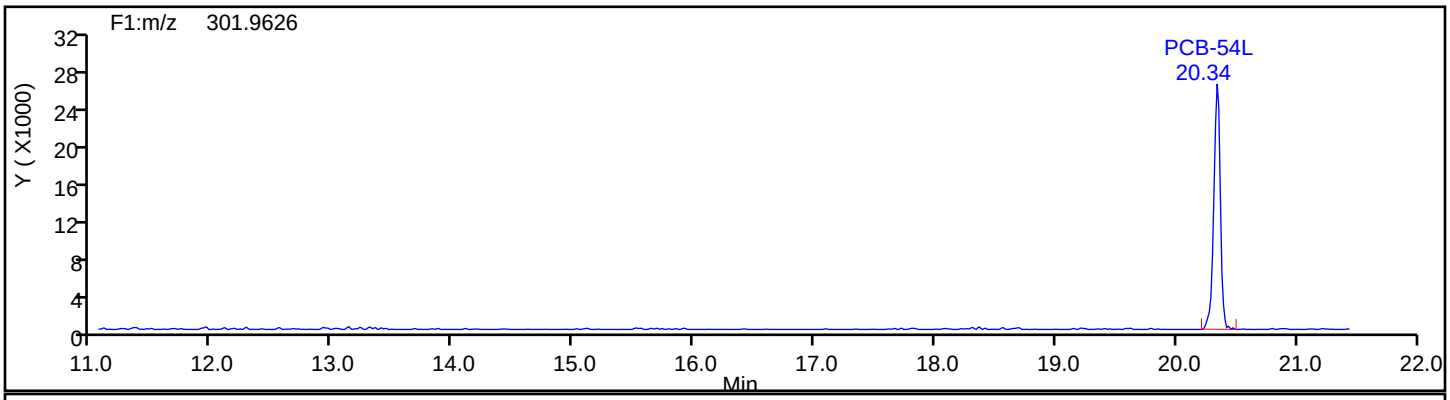
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

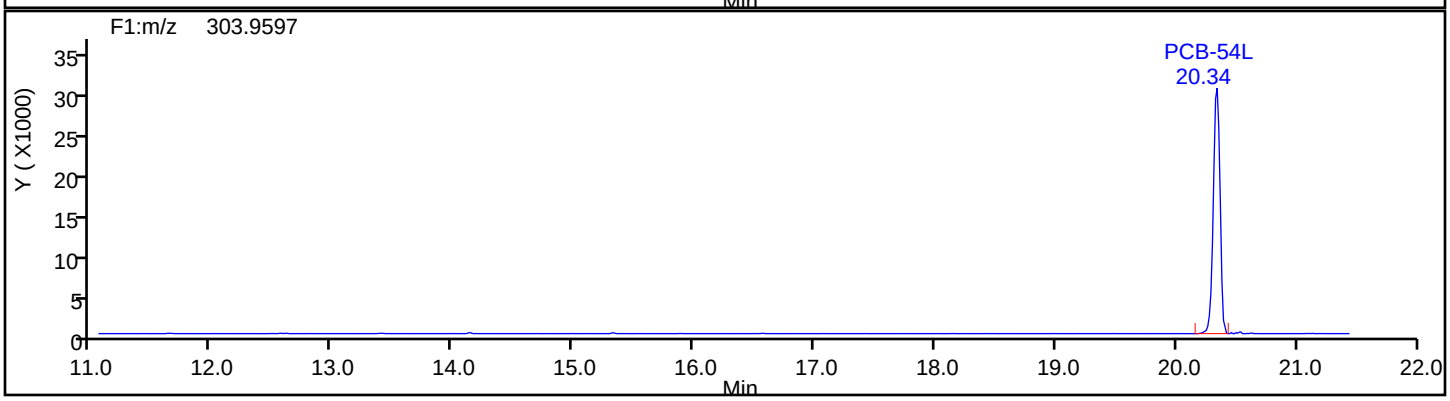
TePCB F1




TePCB F1 Standards

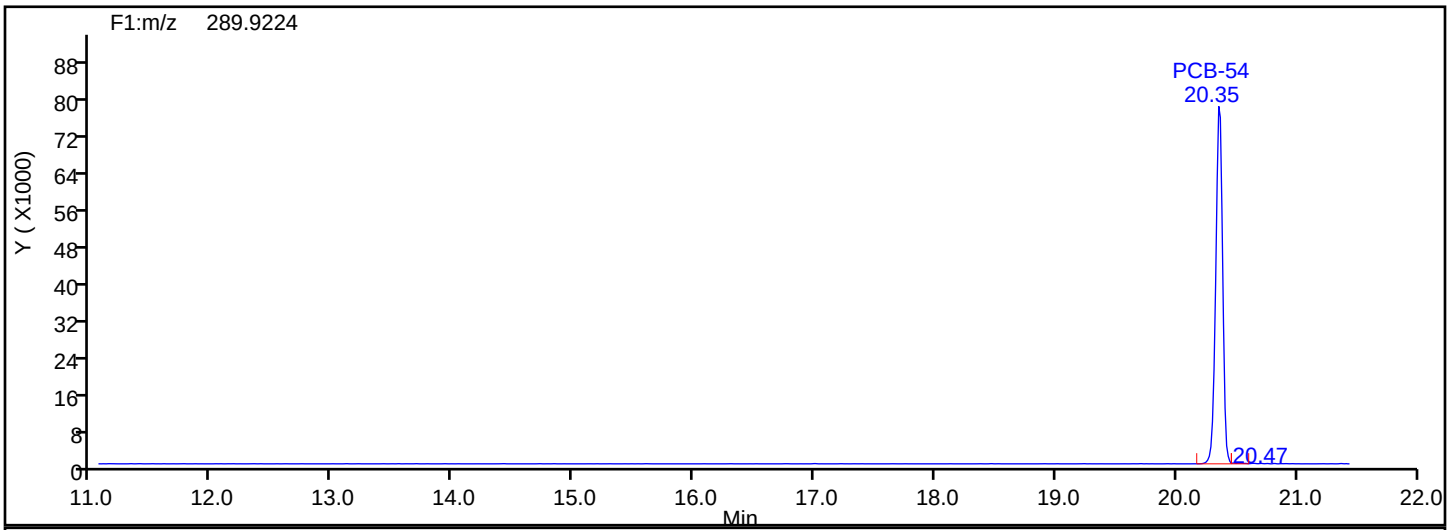


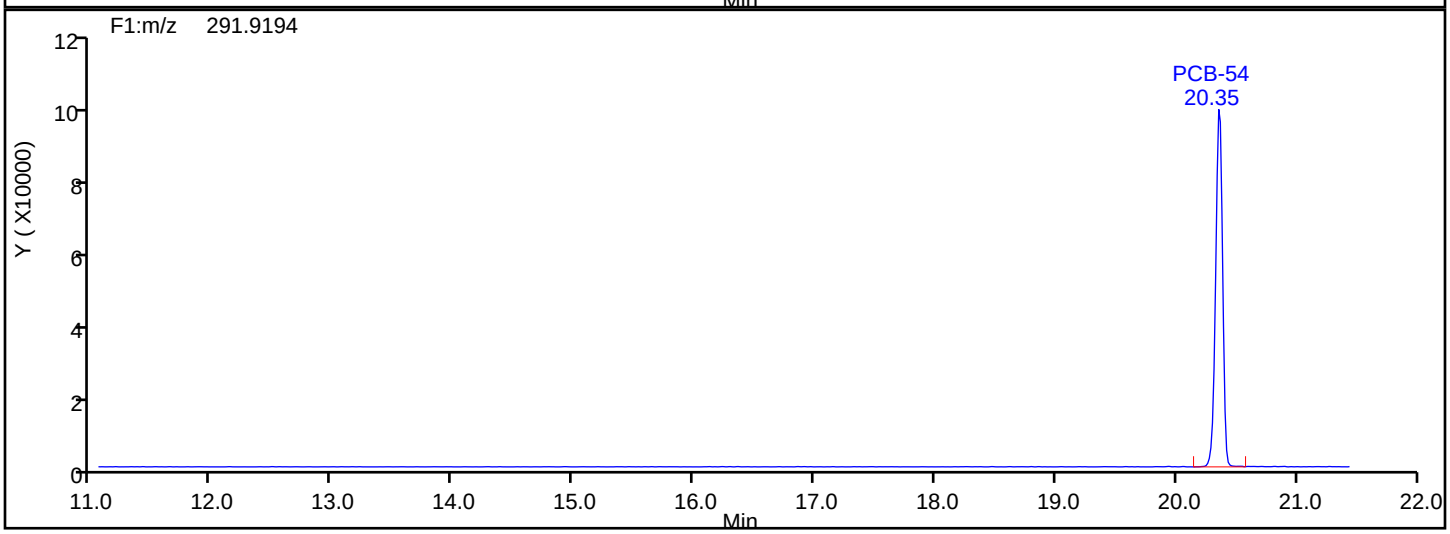



Eurofins TestAmerica, Knoxville

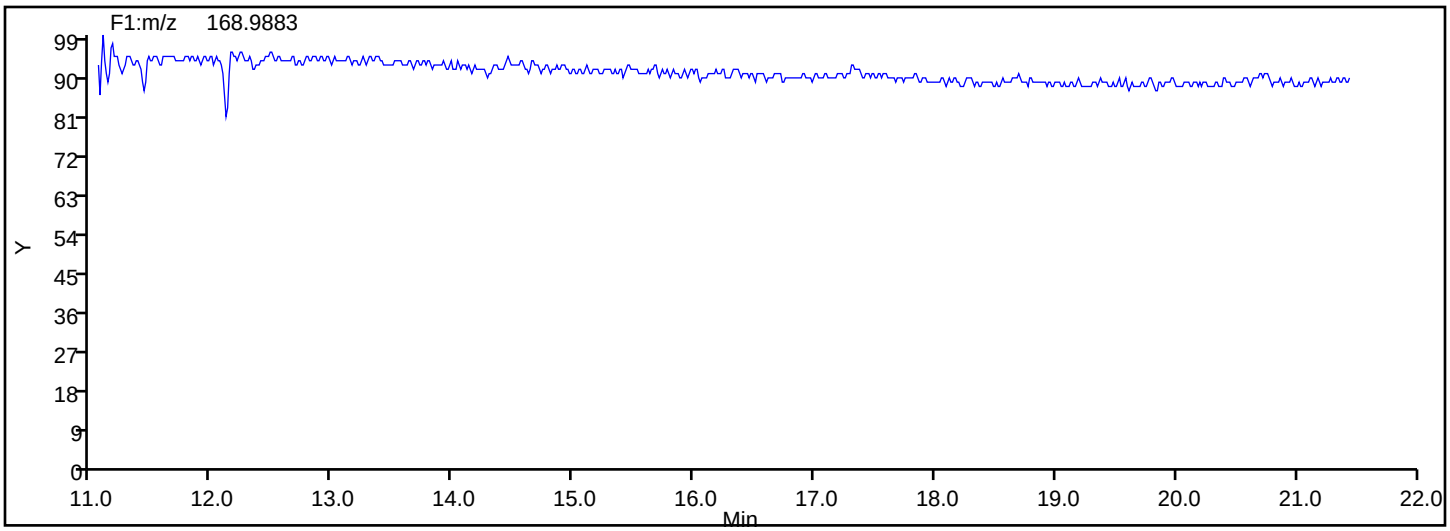
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



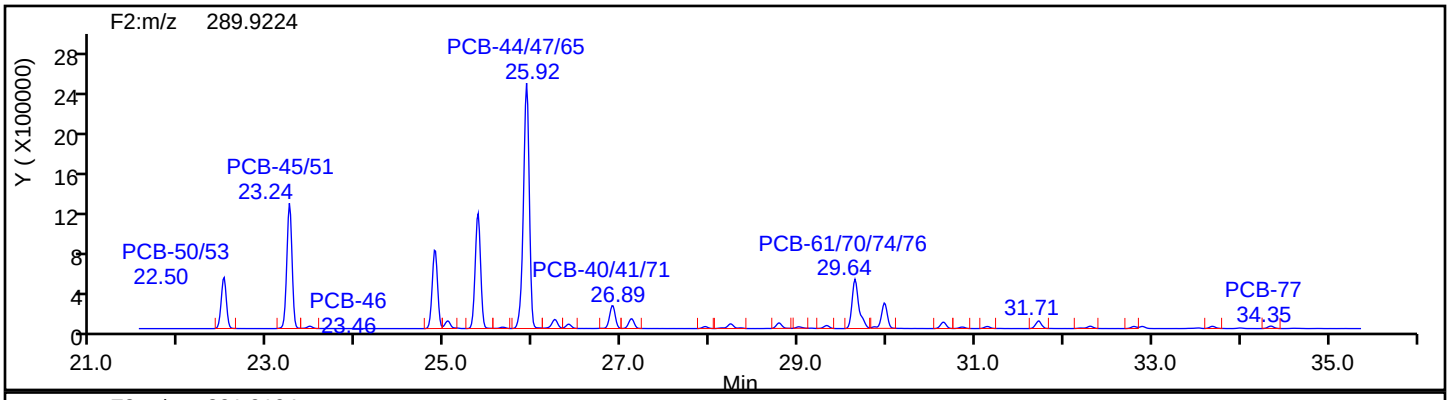

TePCB F1 Lock Mass

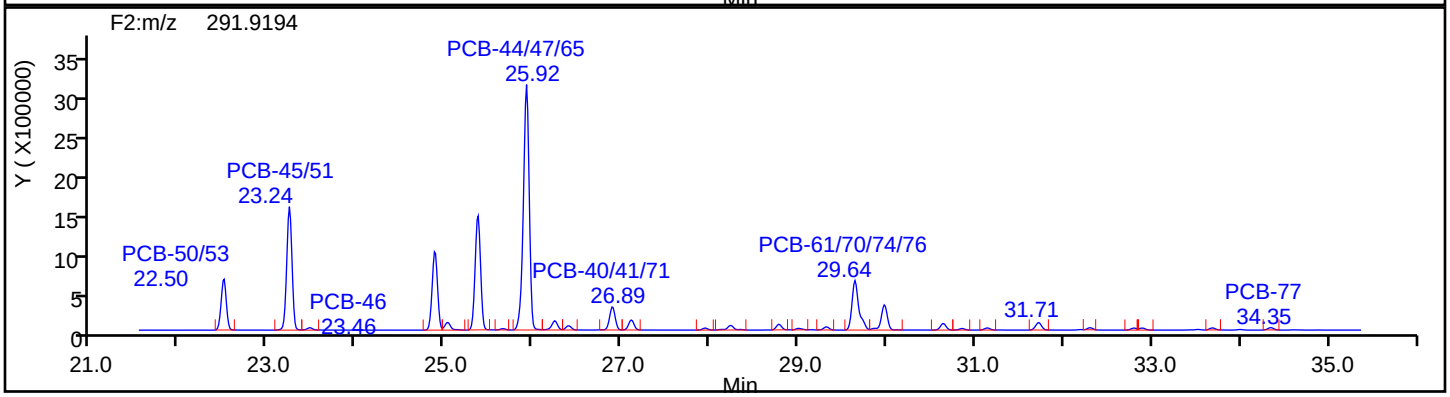


Eurofins TestAmerica, Knoxville

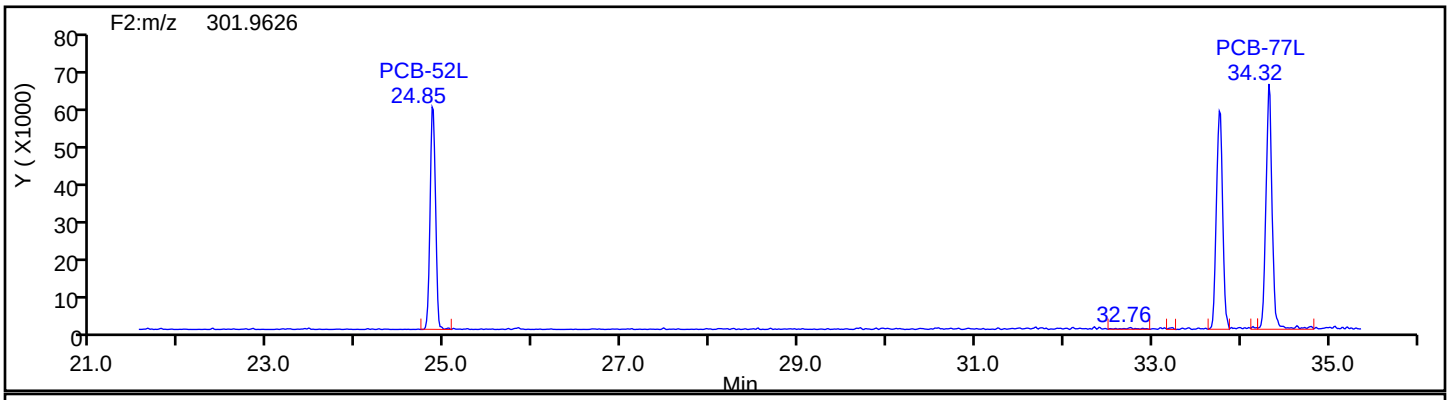
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

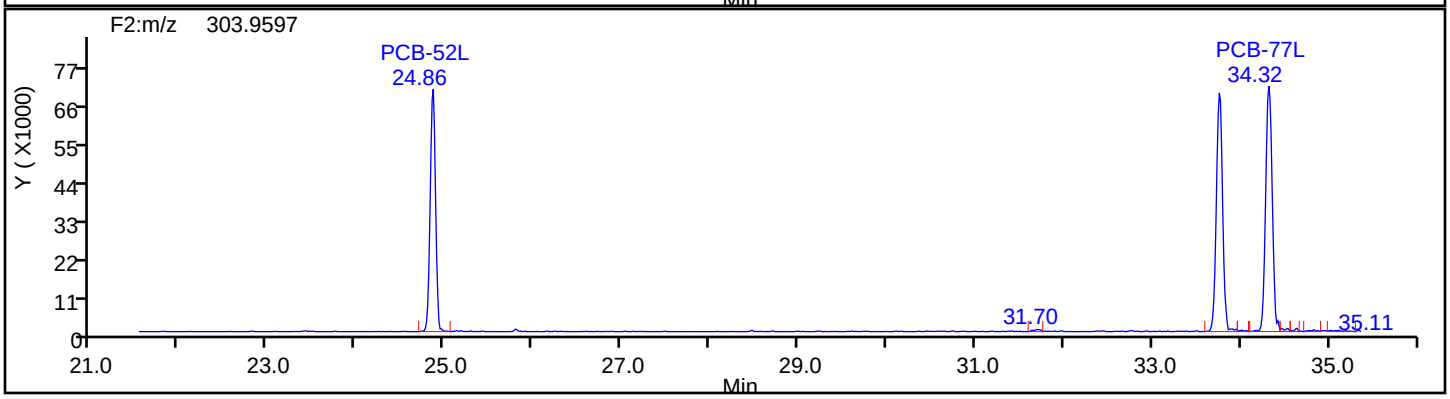
TePCB F2




TePCB F2 Standards

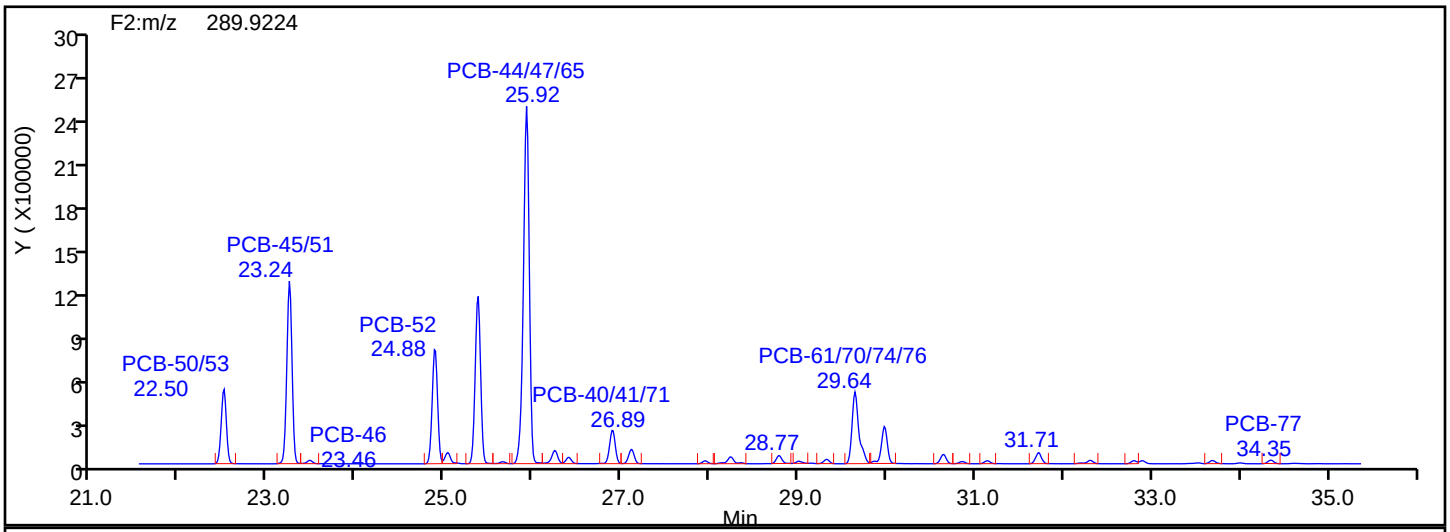


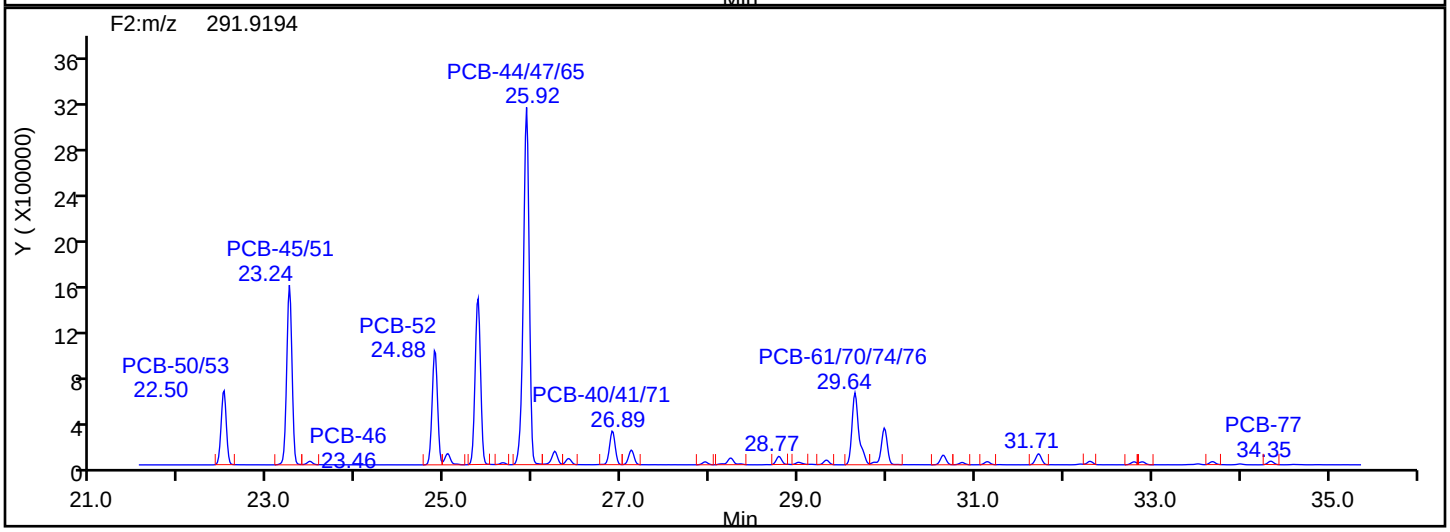



Eurofins TestAmerica, Knoxville

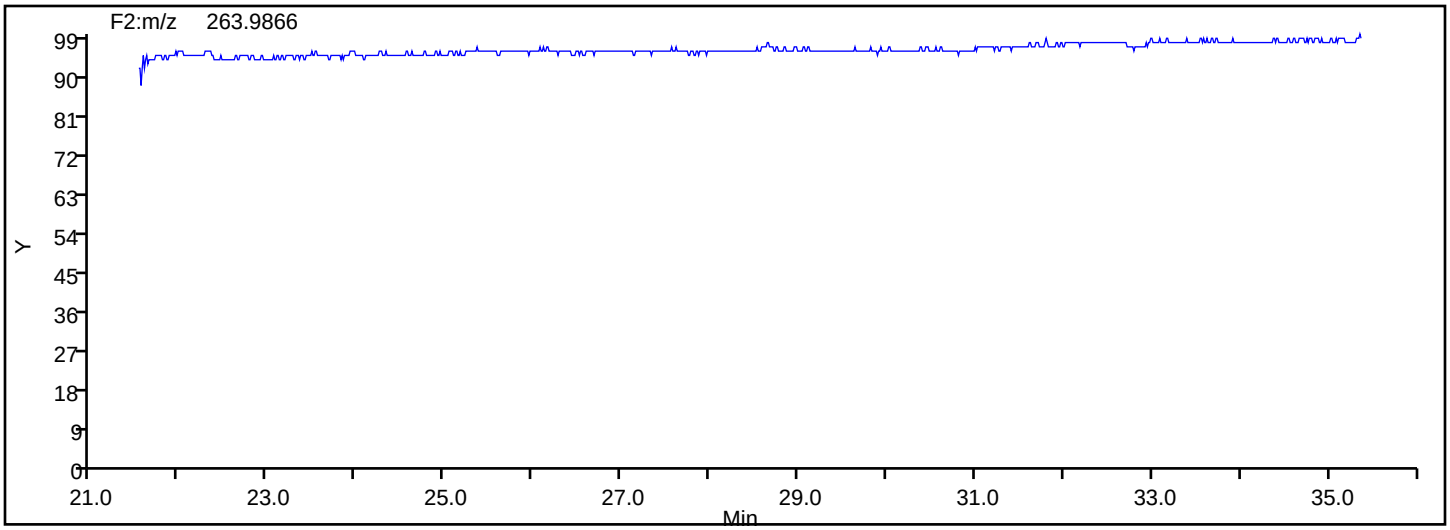
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-79, CAS: 41464-48-6

Signal: 3

Processing Integration Results

| | |
|---|---|
| RT: | 32.80 |
| Area: | 381654 |
| Amount: | 7.470694 |
| Amount Units: | pg/ul |

Manual Integration Results

| | |
|---|---|
| RT: | 32.80 |
| Area: | 205412 |
| Amount: | 4.020842 |
| Amount Units: | pg/ul |

Reviewer: layk, 04-Oct-2019 10:39:03

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

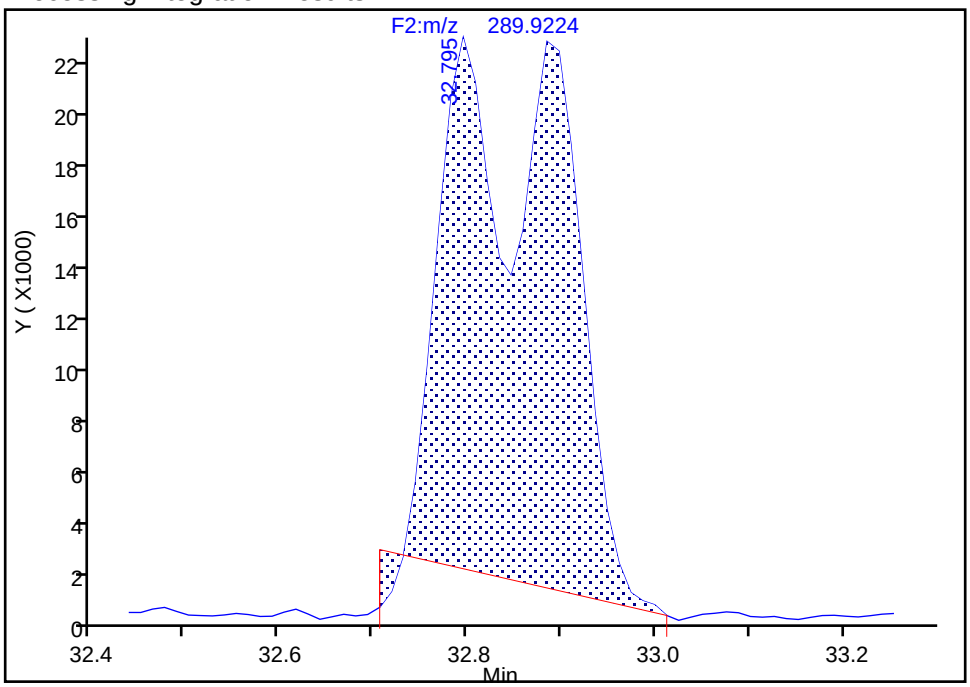
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-79, CAS: 41464-48-6

Signal: 1

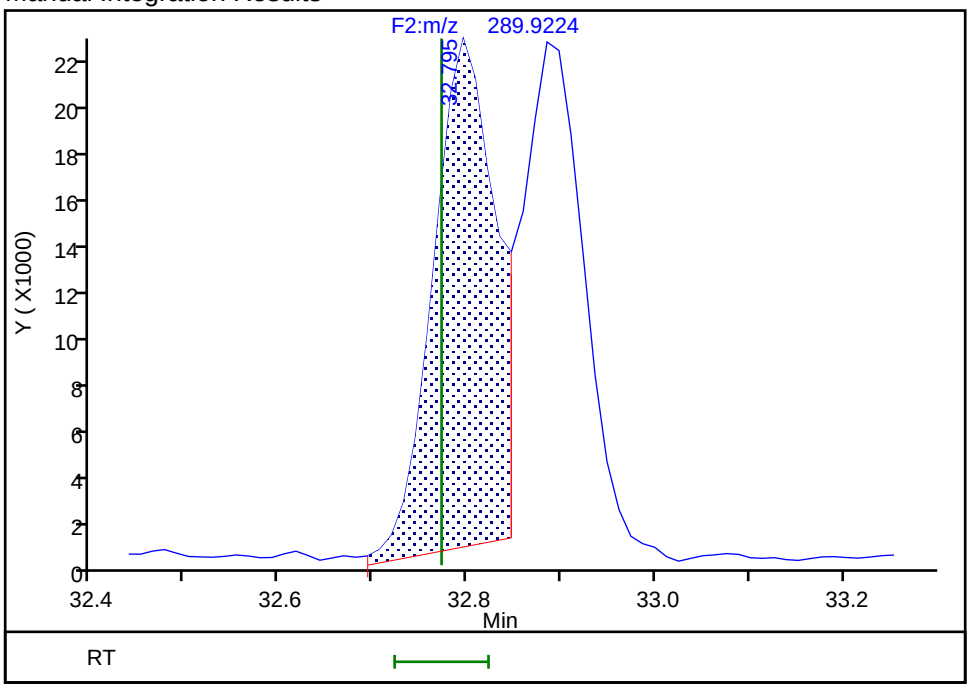
Processing Integration Results

RT: 32.80
Area: 172577
Amount: 7.470694
Amount Units: pg/ul




Manual Integration Results

RT: 32.80
Area: 96435
Amount: 4.020842
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:39:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

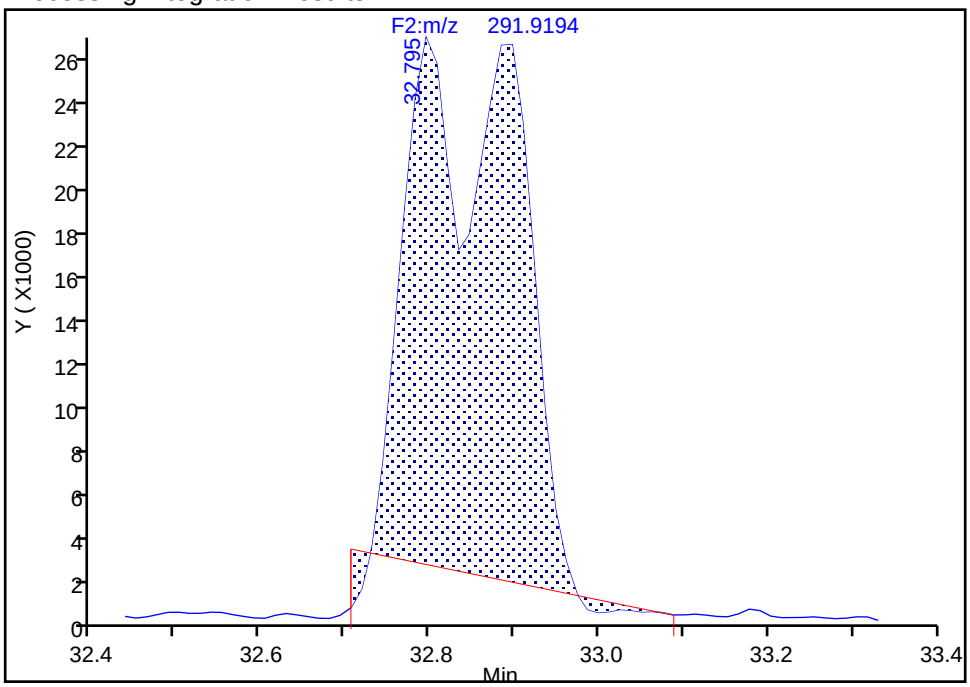
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-79, CAS: 41464-48-6

Signal: 2

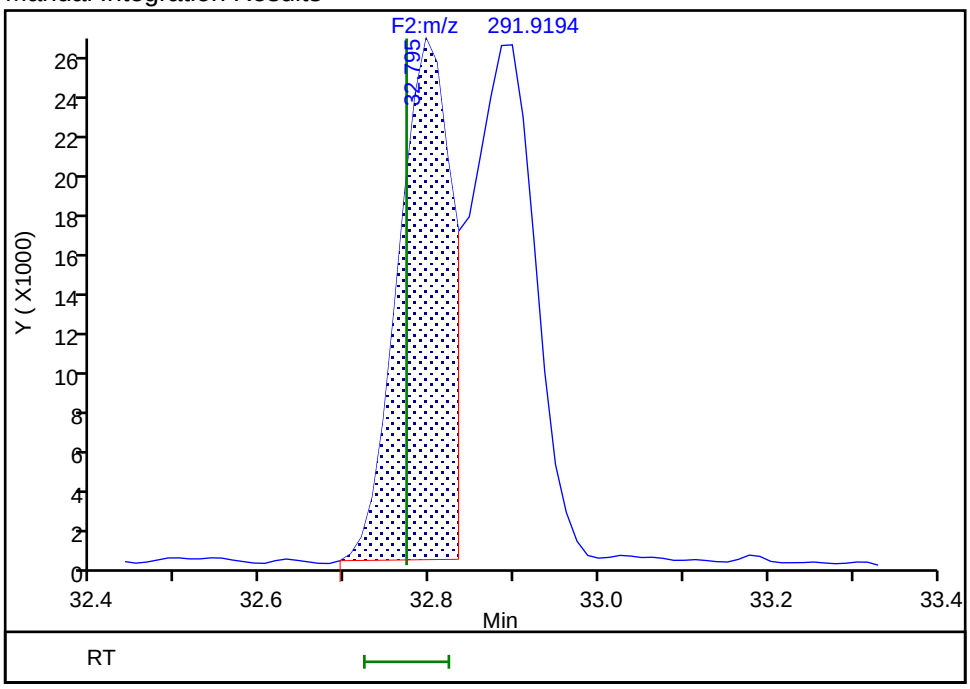
Processing Integration Results

RT: 32.80
Area: 209077
Amount: 7.470694
Amount Units: pg/ul




Manual Integration Results

RT: 32.80
Area: 108977
Amount: 4.020842
Amount Units: pg/ul



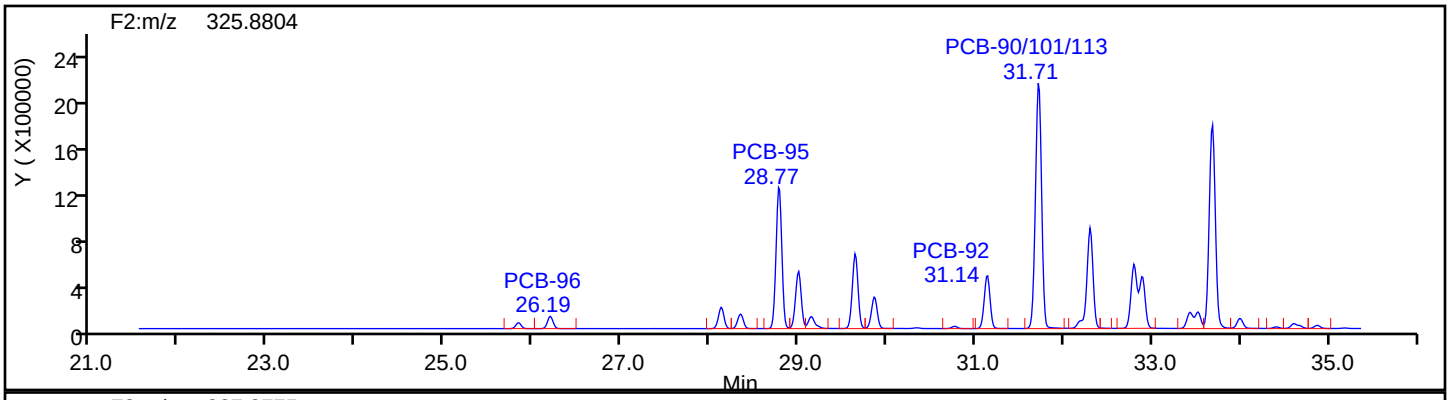

Reviewer: layk, 04-Oct-2019 10:39:27

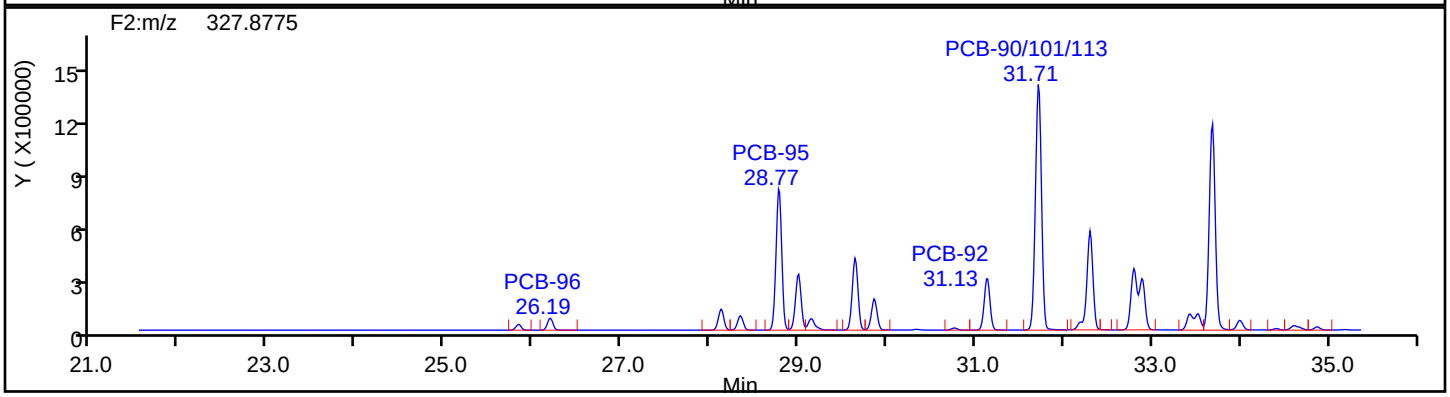
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

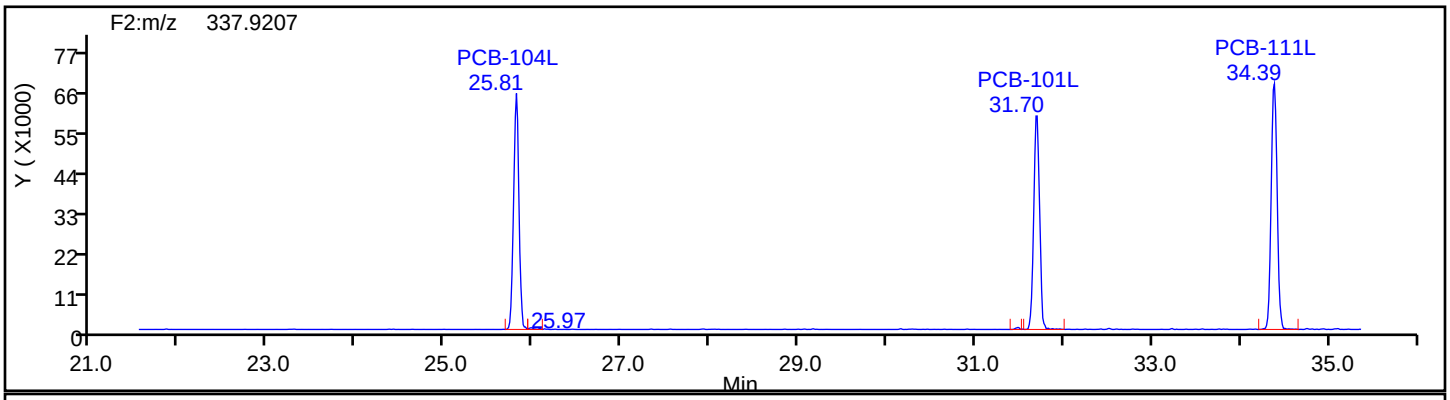
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

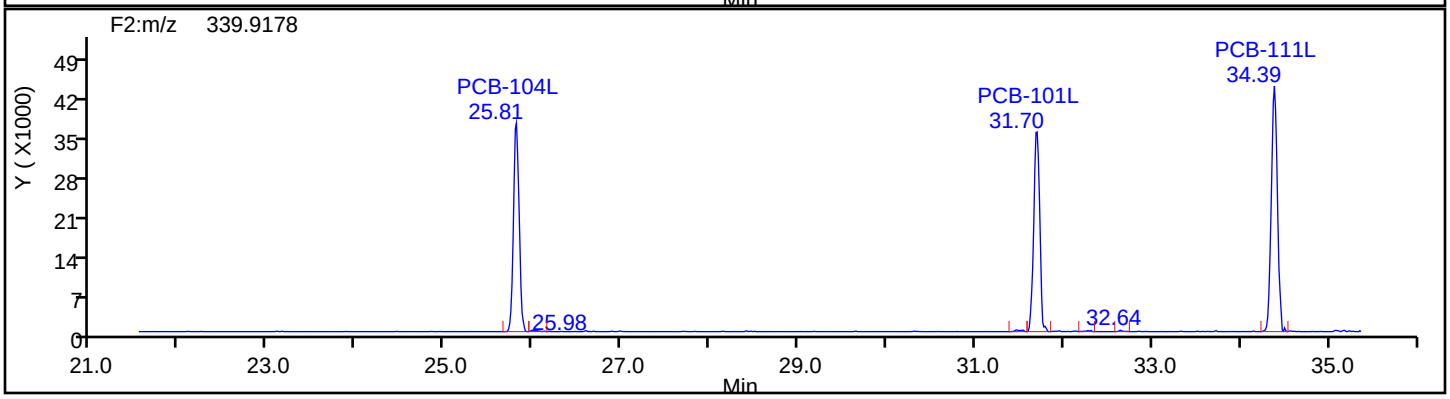
PePCB F2




PePCB F2 Standards

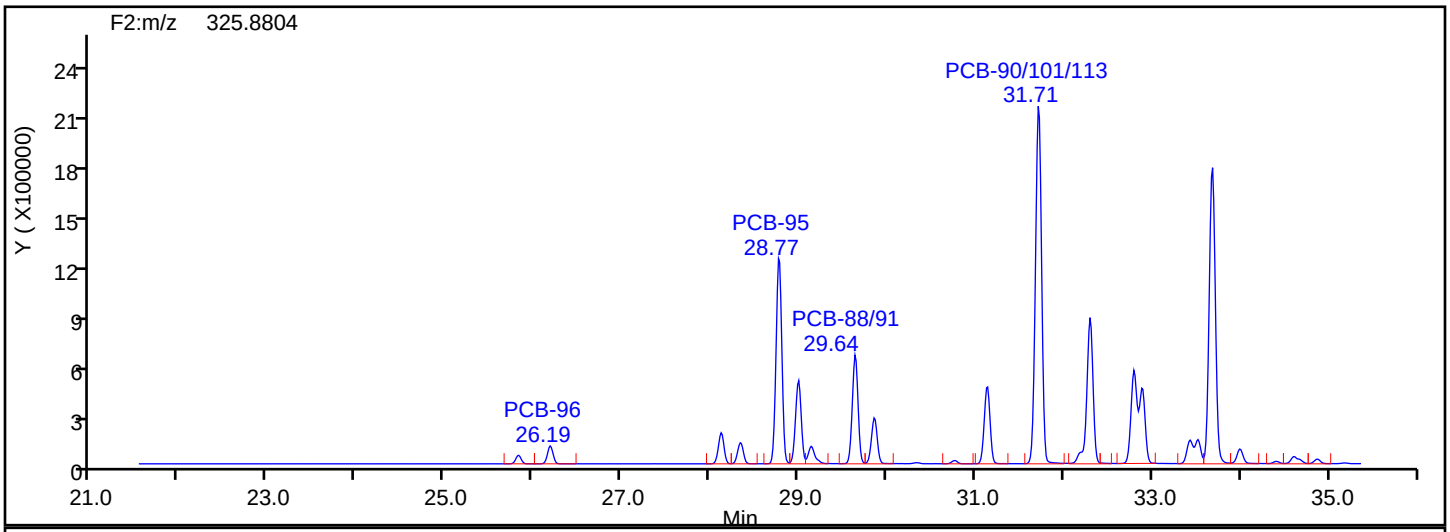


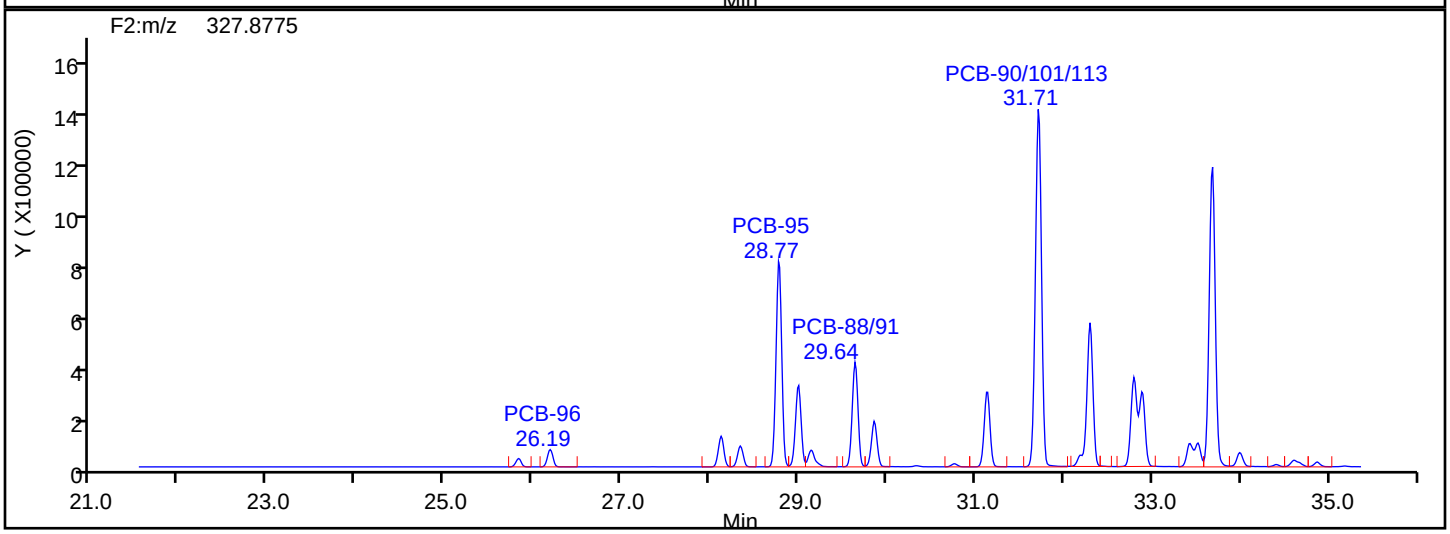



Eurofins TestAmerica, Knoxville

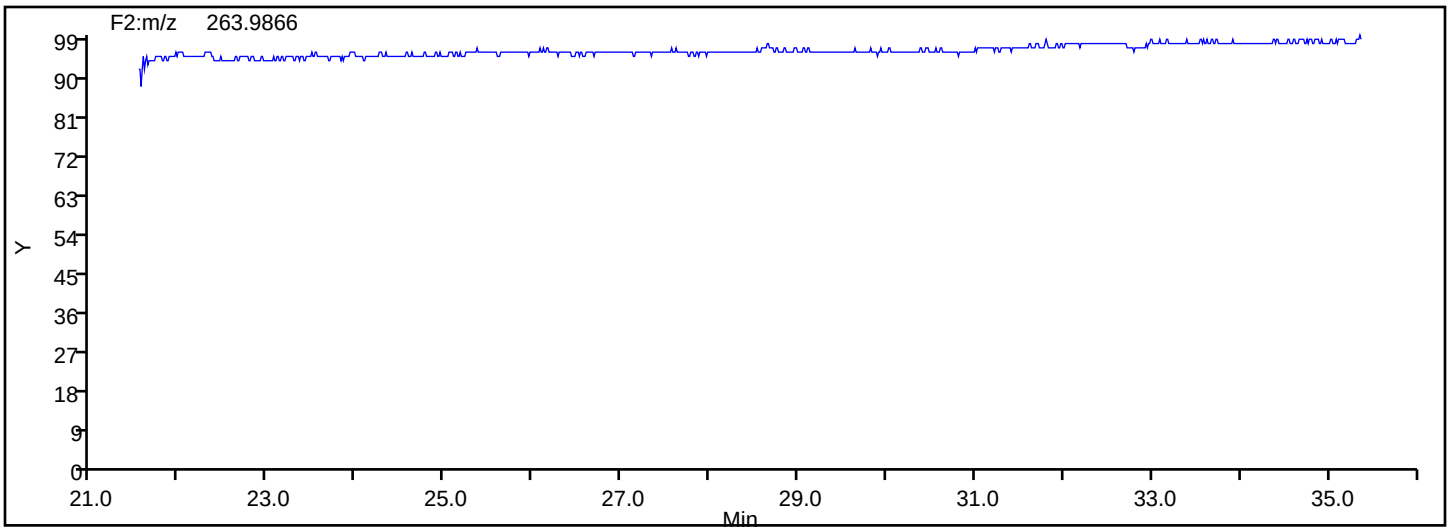
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

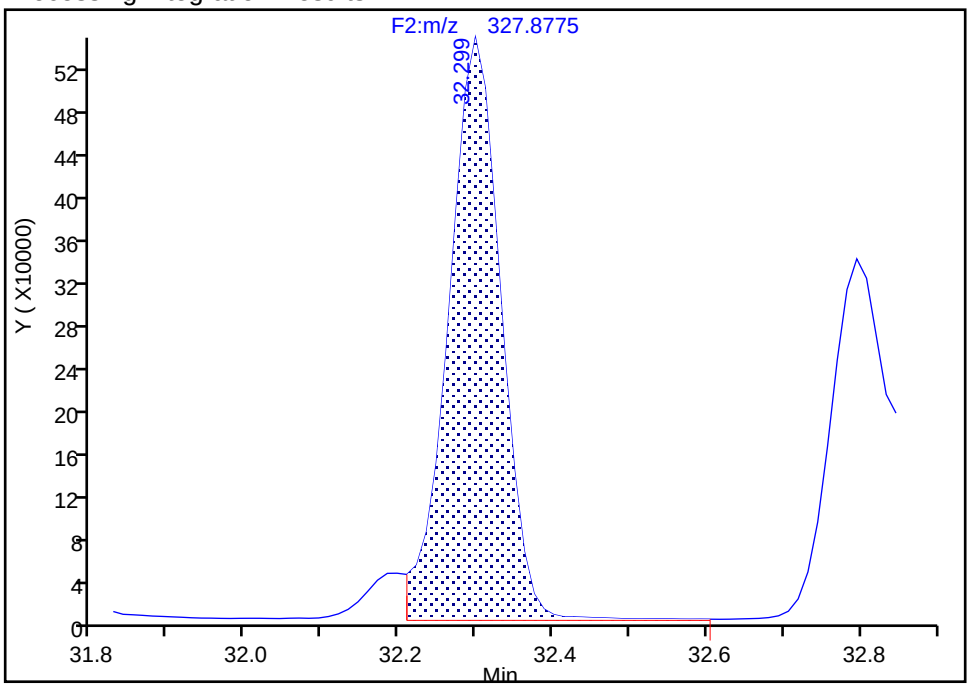
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

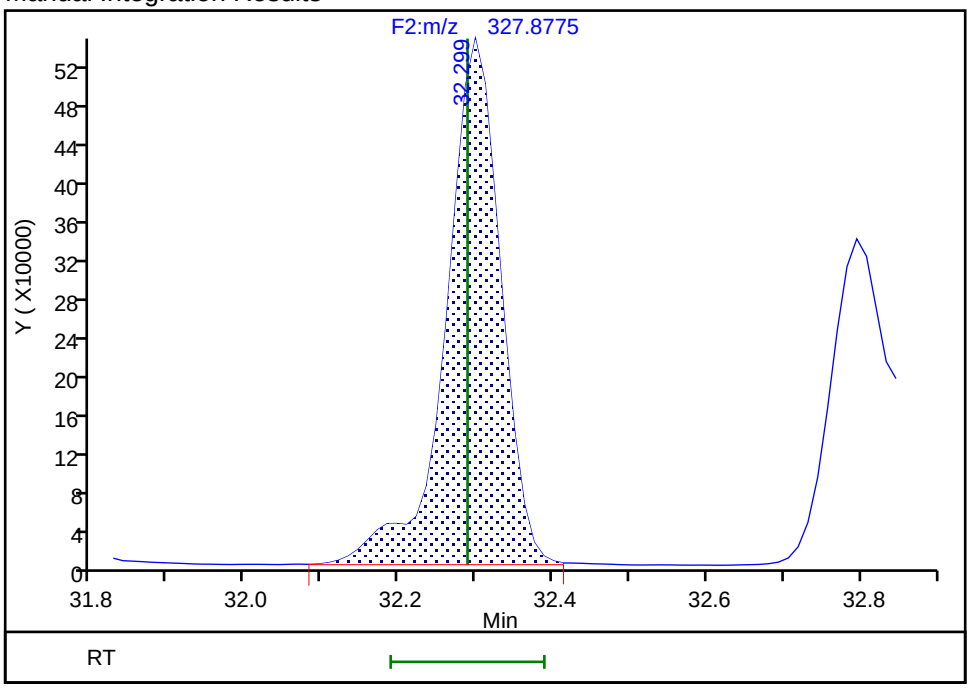
Processing Integration Results

RT: 32.30
Area: 2583159
Amount: 333.6473
Amount Units: pg/ul




Manual Integration Results

RT: 32.30
Area: 2694896
Amount: 337.7900
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:41:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

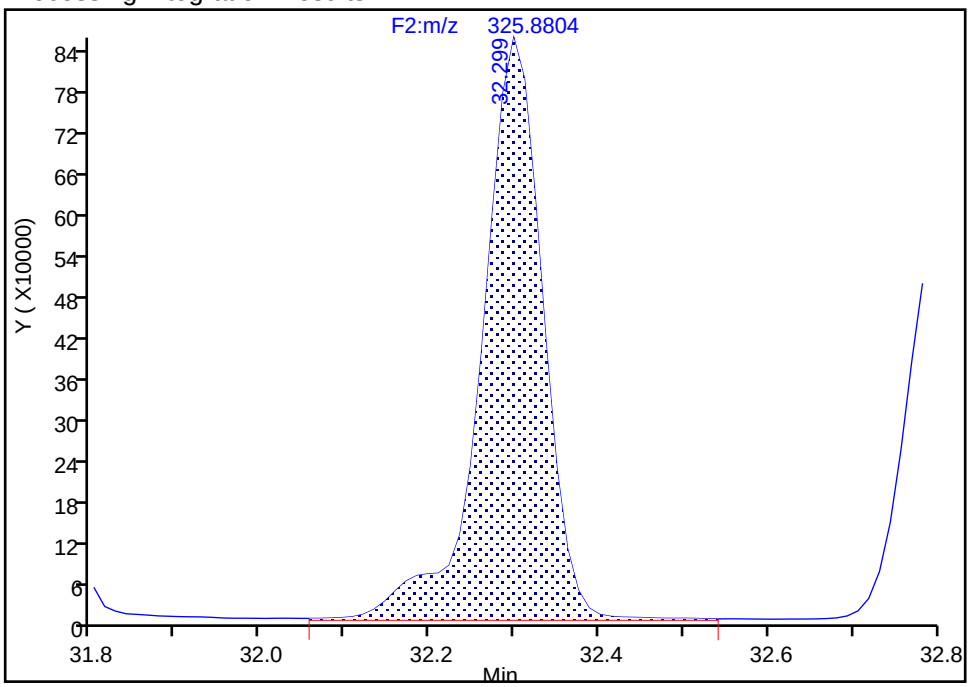
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

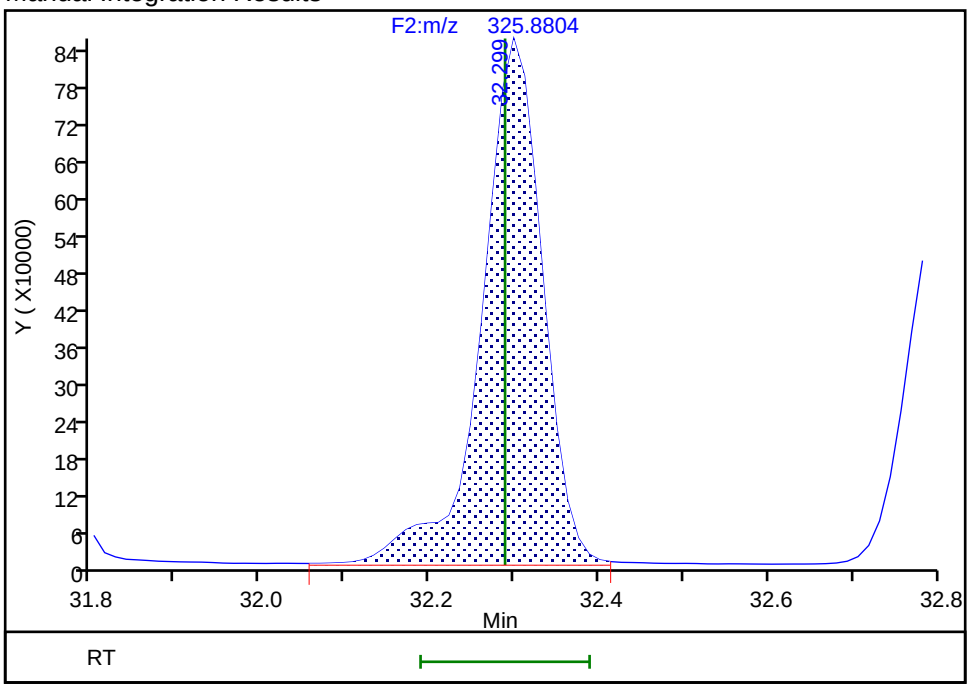
Processing Integration Results

RT: 32.30
Area: 4351421
Amount: 333.6473
Amount Units: pg/ul




Manual Integration Results

RT: 32.30
Area: 4325786
Amount: 337.7900
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:41:36
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

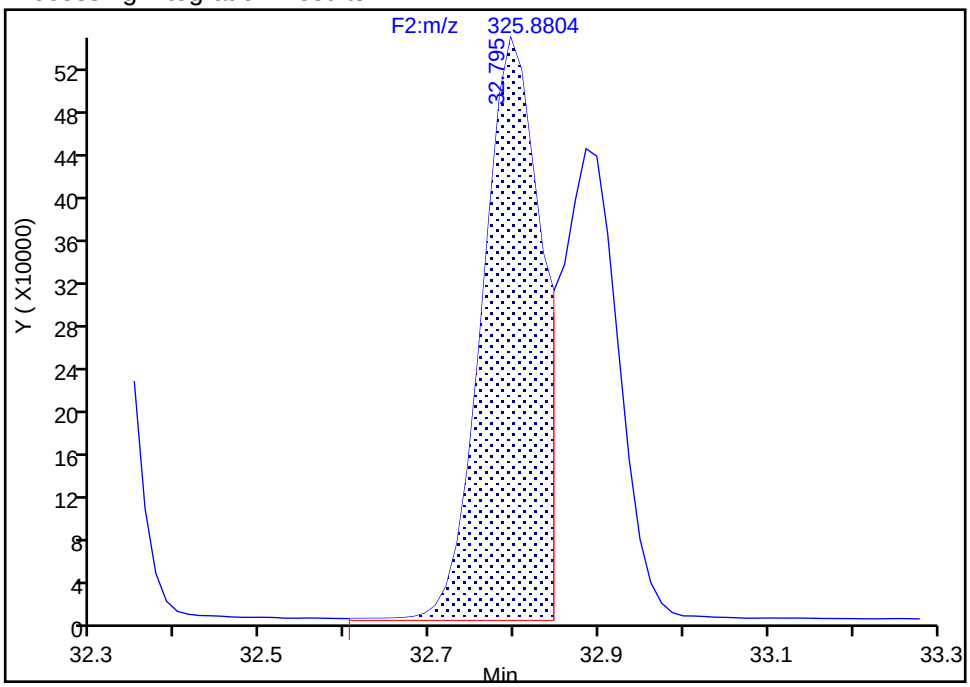
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

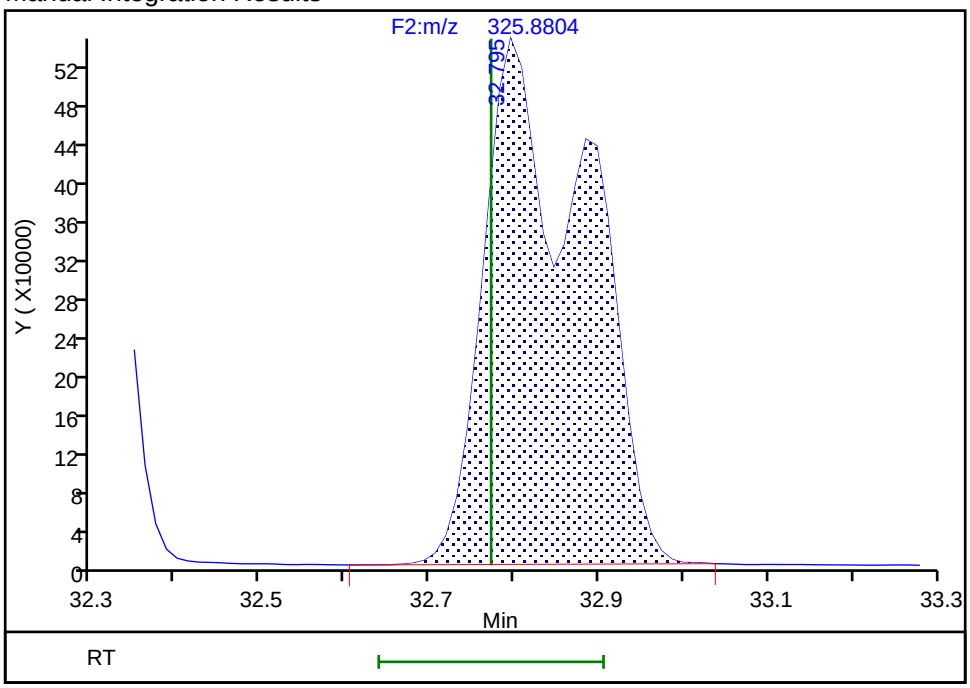
Processing Integration Results

RT: 32.80
Area: 2604456
Amount: 159.8594
Amount Units: pg/ul




Manual Integration Results

RT: 32.80
Area: 4594608
Amount: 282.4269
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:42:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

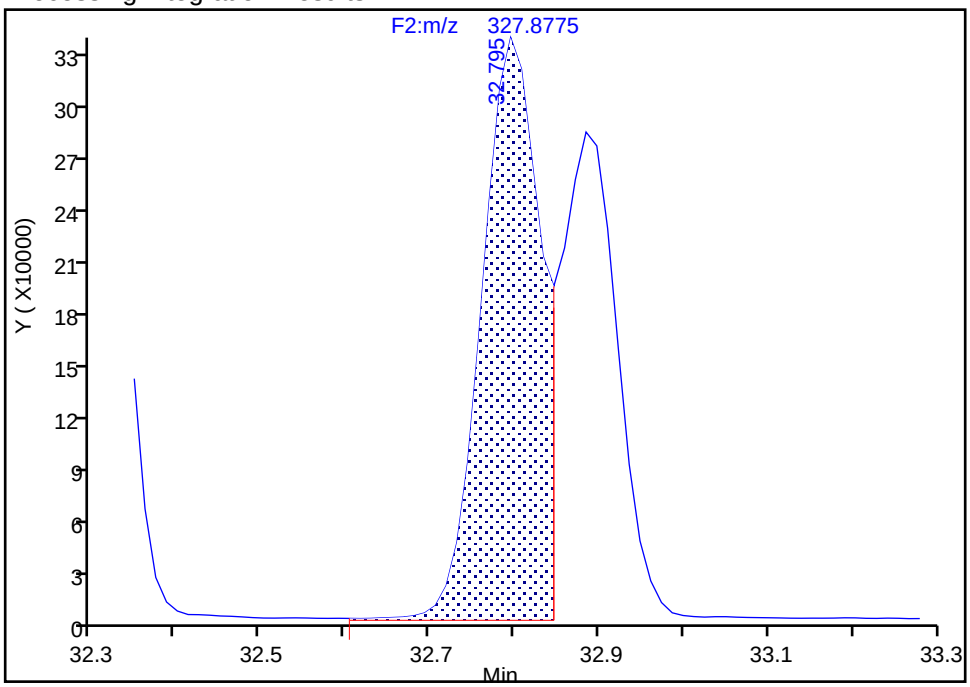
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

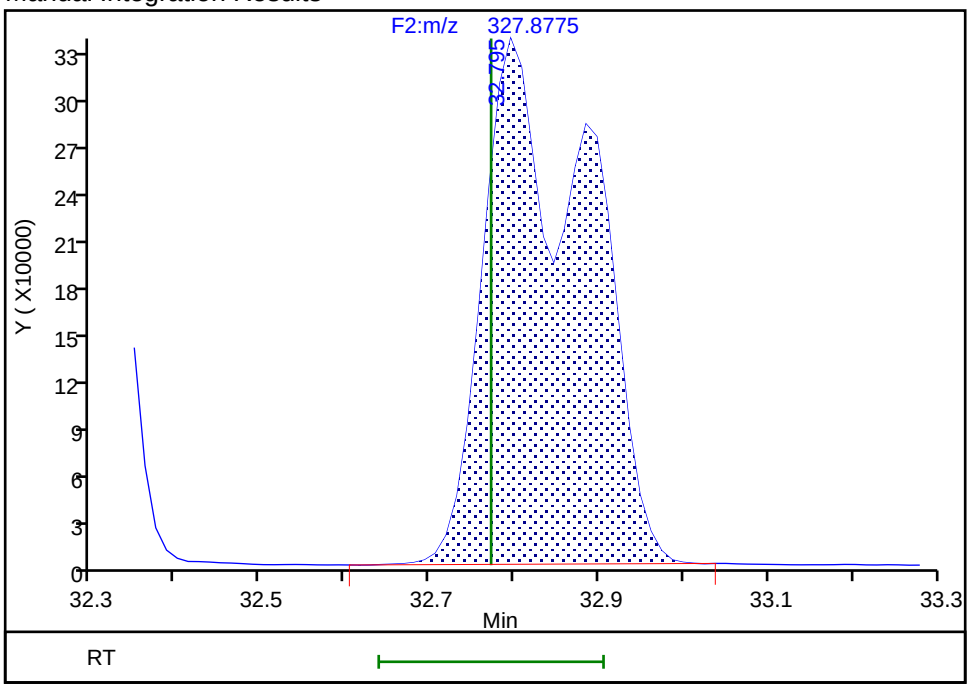
Processing Integration Results

RT: 32.80
Area: 1625224
Amount: 159.8594
Amount Units: pg/ul




Manual Integration Results

RT: 32.80
Area: 2878057
Amount: 282.4269
Amount Units: pg/ul



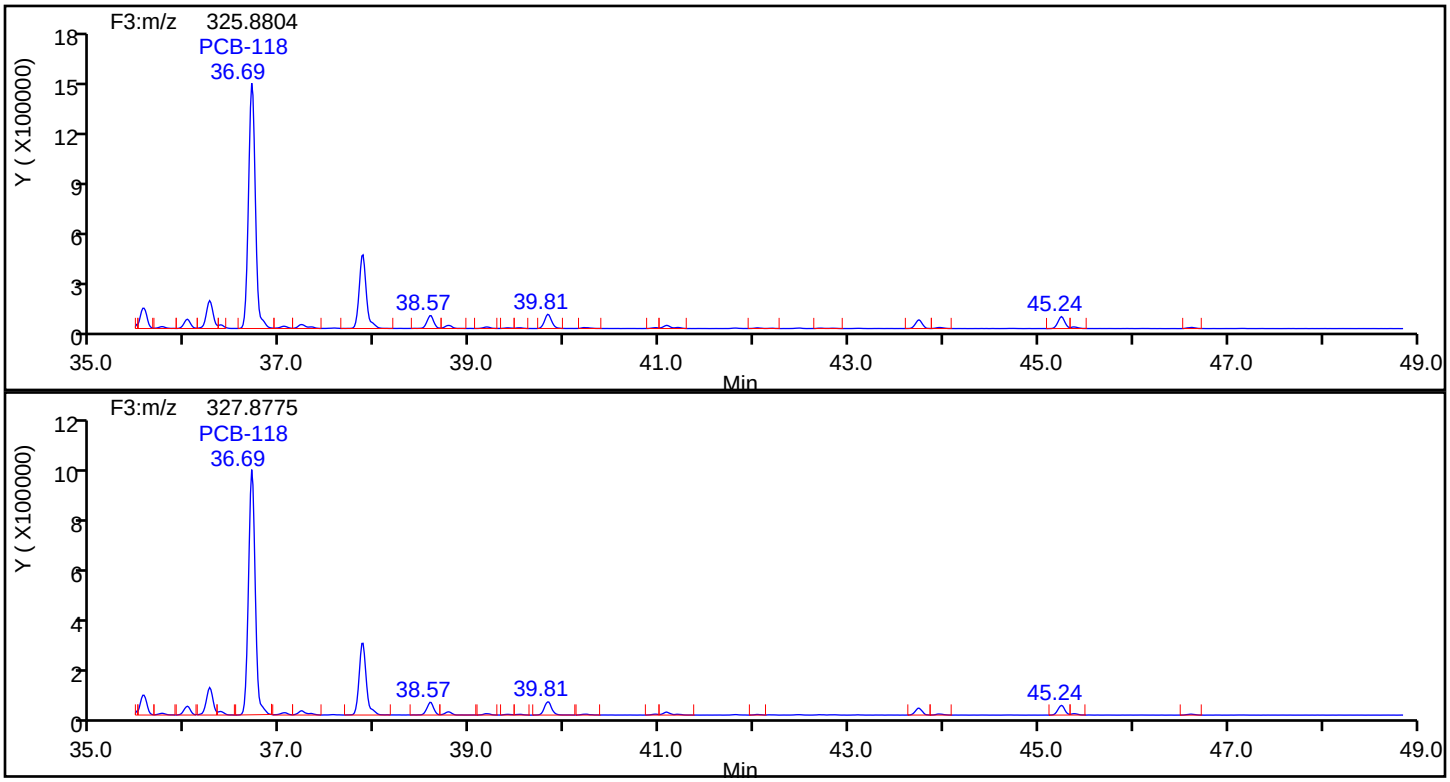

Reviewer: layk, 04-Oct-2019 10:42:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 04-Oct-2019 14:11:09 Chrom Revision: 2.3 17-Sep-2019 16:19:08

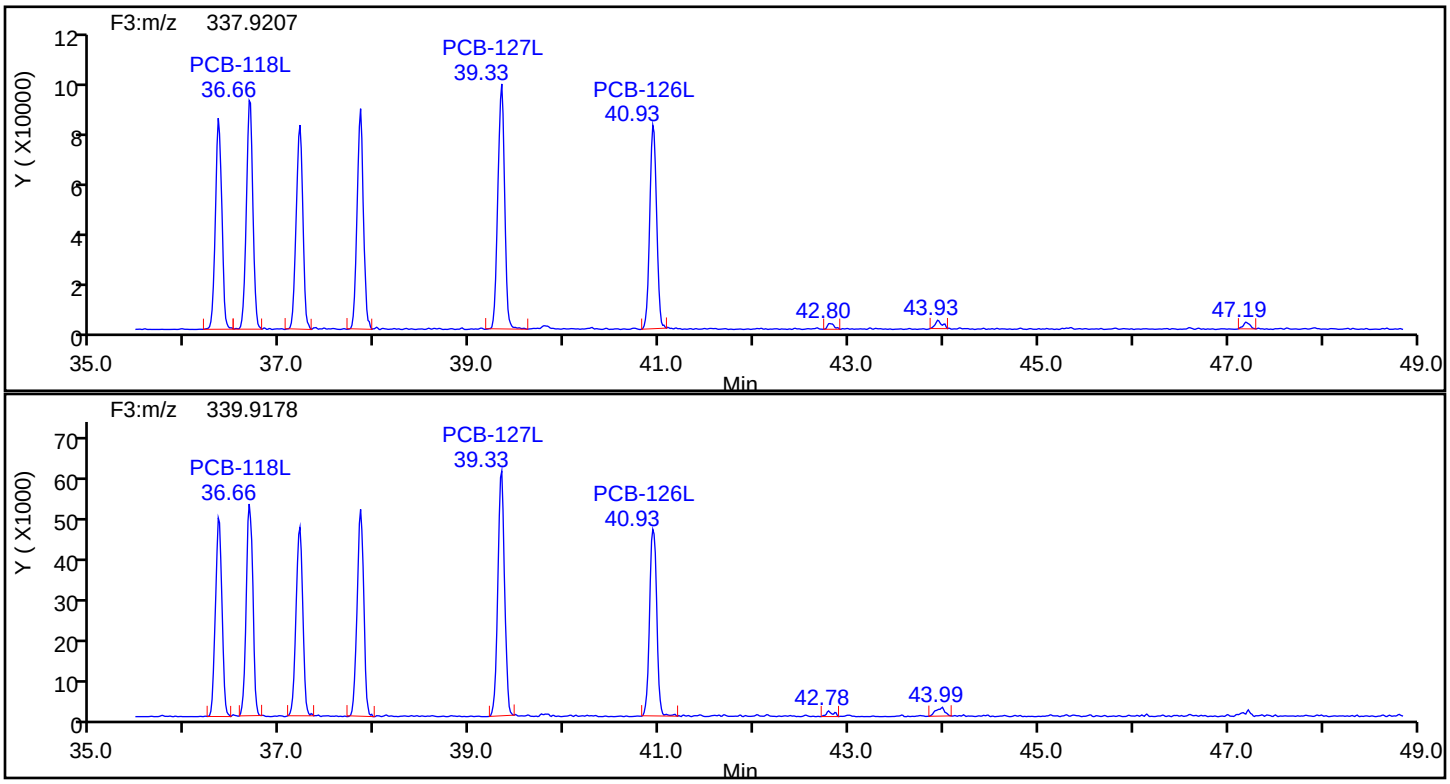
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



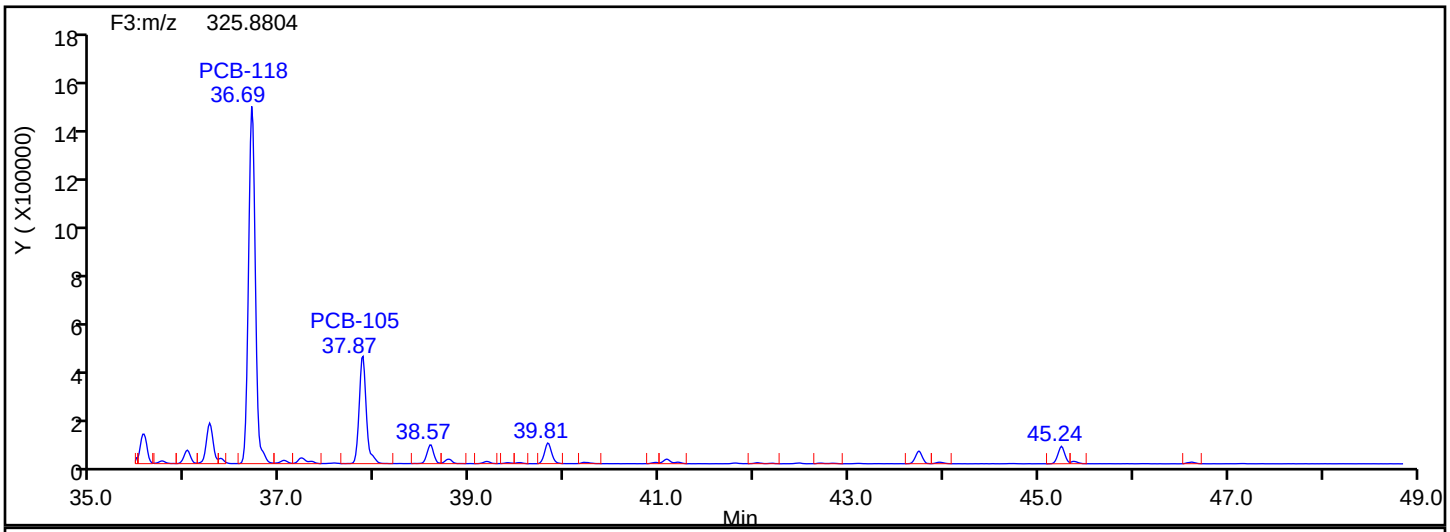

PePCB F3 Standards

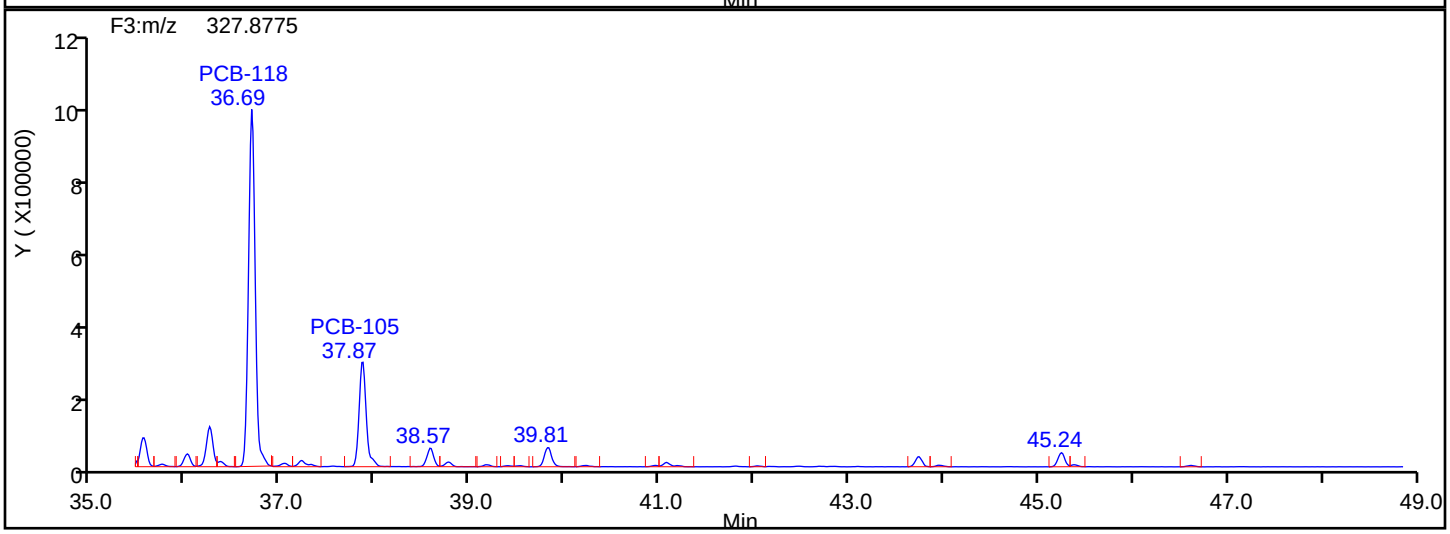


Eurofins TestAmerica, Knoxville

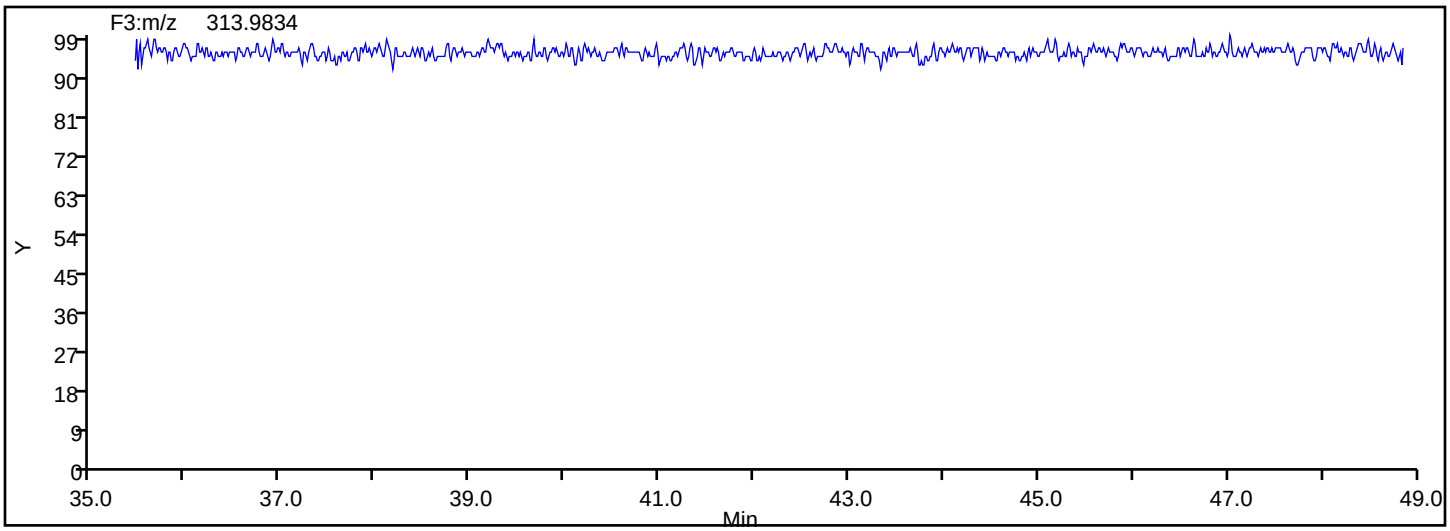
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

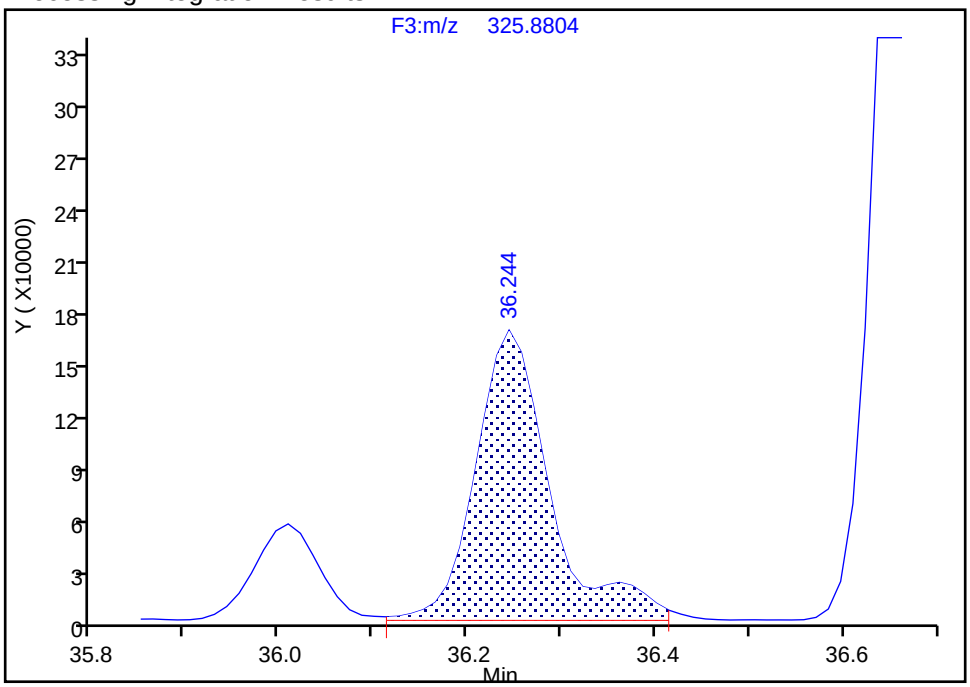
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

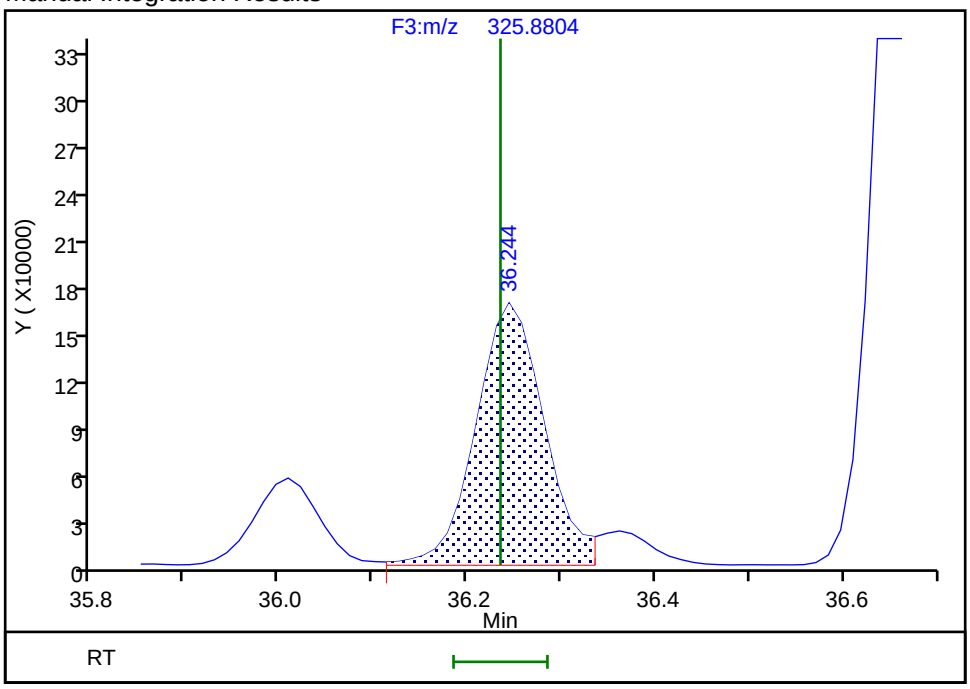
Processing Integration Results

RT: 36.24
Area: 901800
Amount: 34.264114
Amount Units: pg/ul




Manual Integration Results

RT: 36.24
Area: 824929
Amount: 31.020206
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:42:57

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

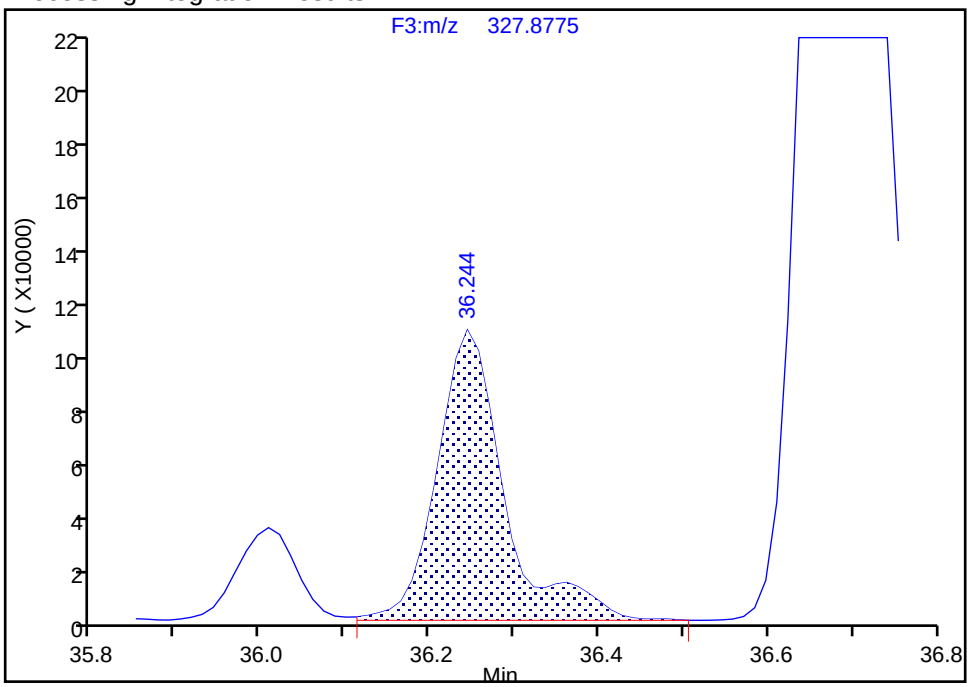
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

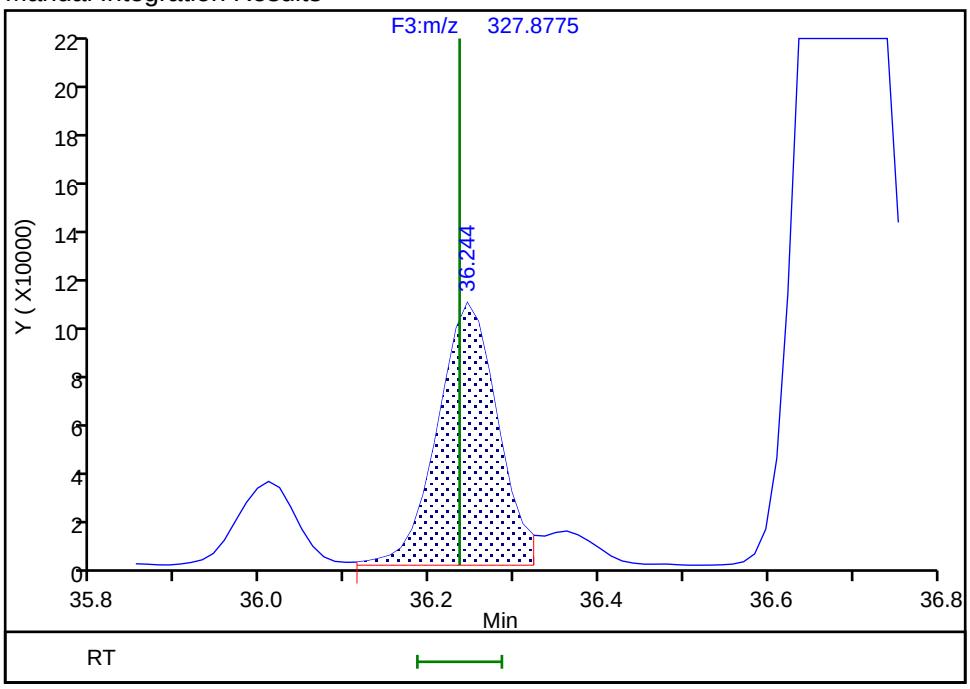
Processing Integration Results

RT: 36.24
Area: 582267
Amount: 34.264114
Amount Units: pg/ul




Manual Integration Results

RT: 36.24
Area: 518636
Amount: 31.020206
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:43:01

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

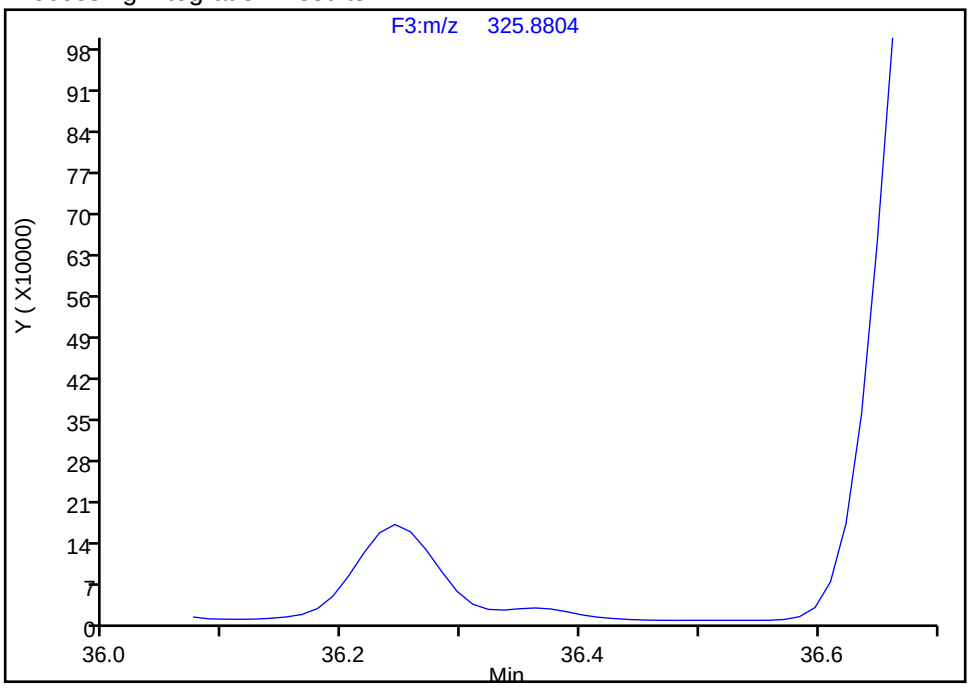
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

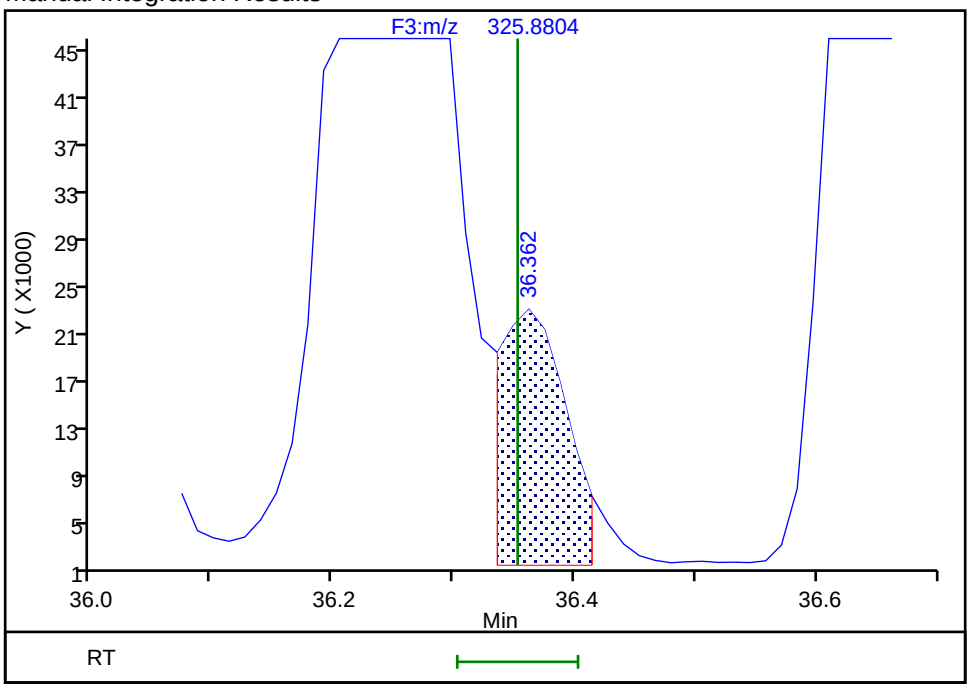
Not Detected
Expected RT: 36.35

Processing Integration Results




Manual Integration Results

RT: 36.36
Area: 76870
Amount: 3.382096
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:43:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

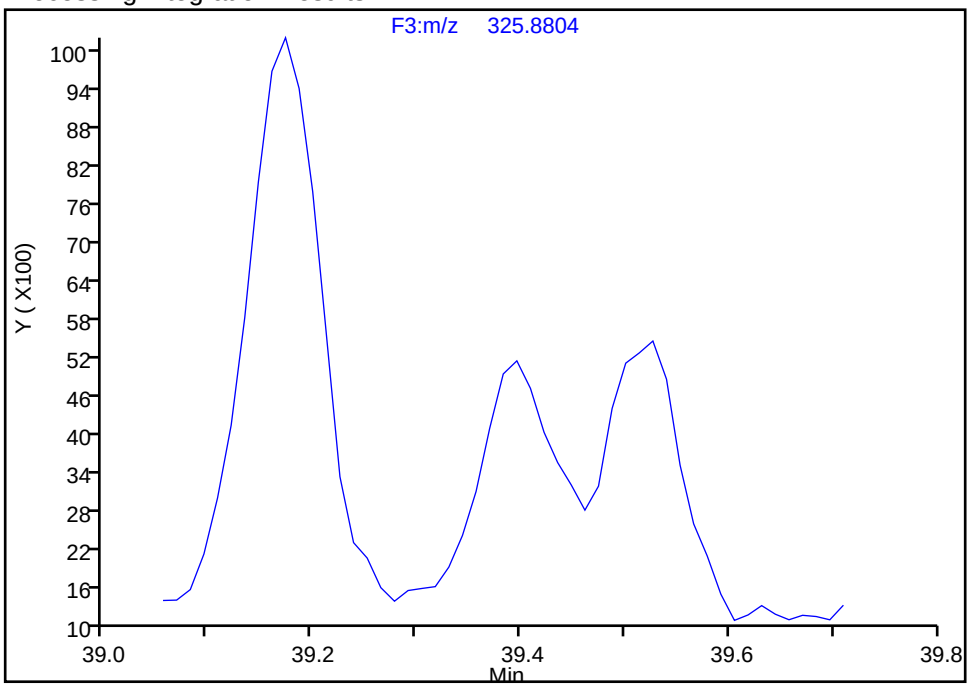
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 1

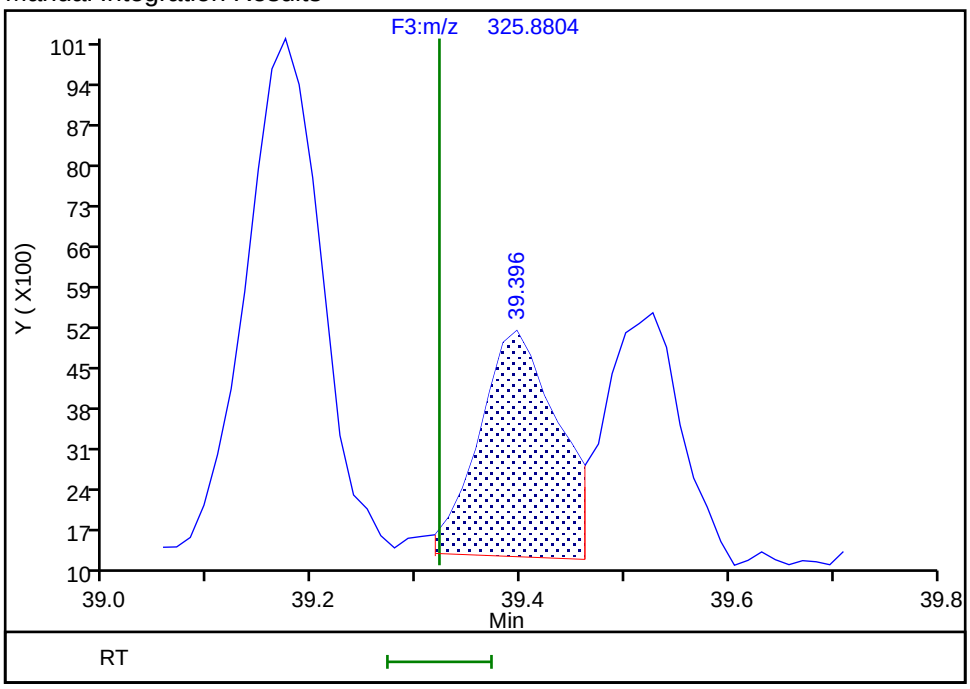
Not Detected
Expected RT: 39.32

Processing Integration Results




Manual Integration Results

RT: 39.40
Area: 20077
Amount: 0.841498
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:43:58
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

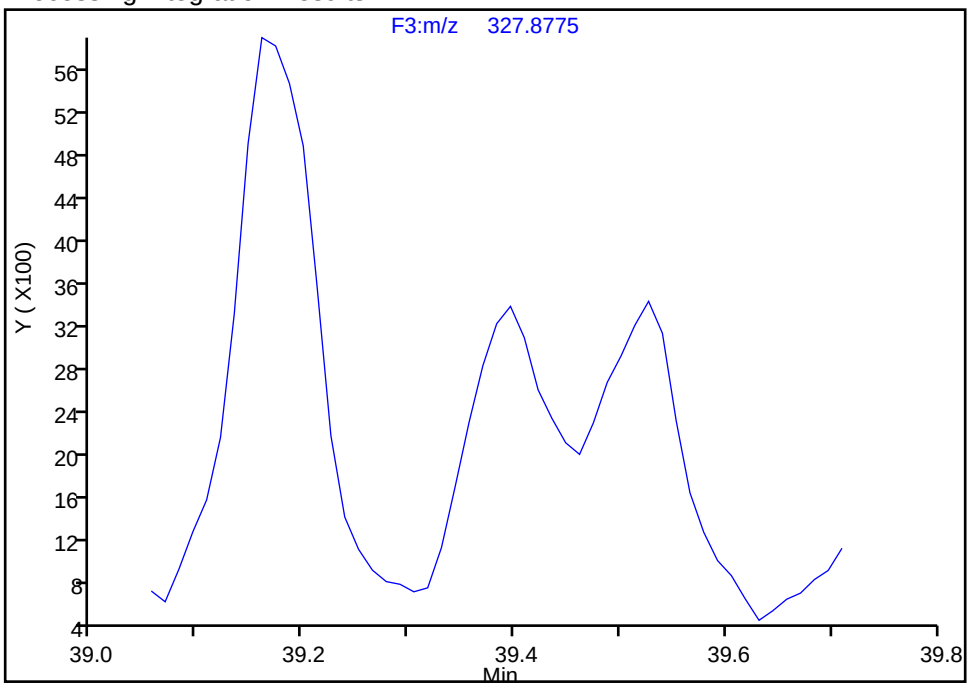
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 2

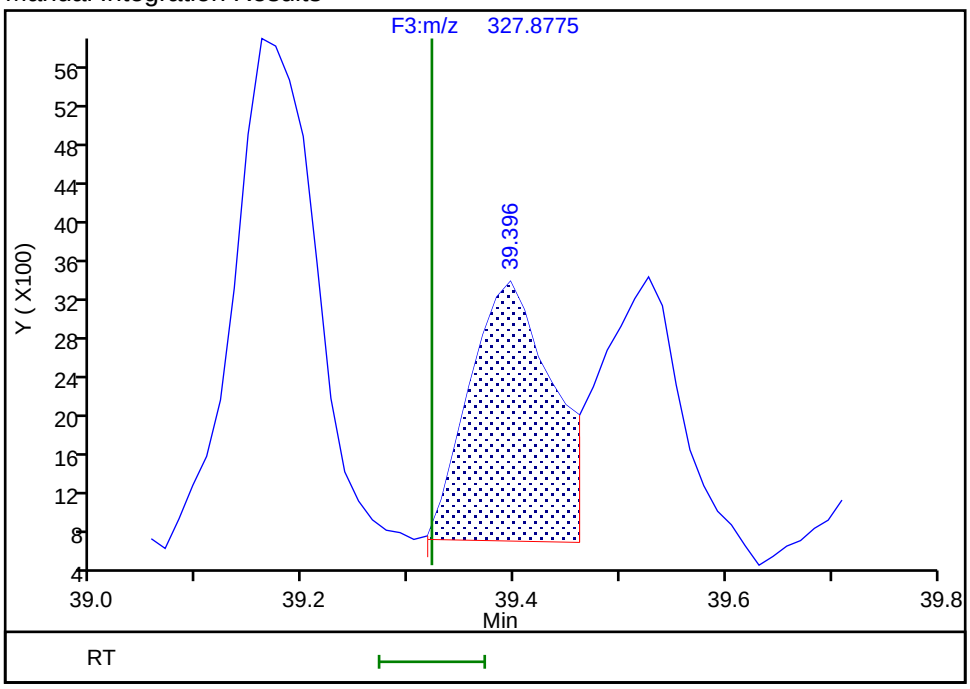
Not Detected
Expected RT: 39.32

Processing Integration Results




Manual Integration Results

RT: 39.40
Area: 14388
Amount: 0.841498
Amount Units: pg/ul

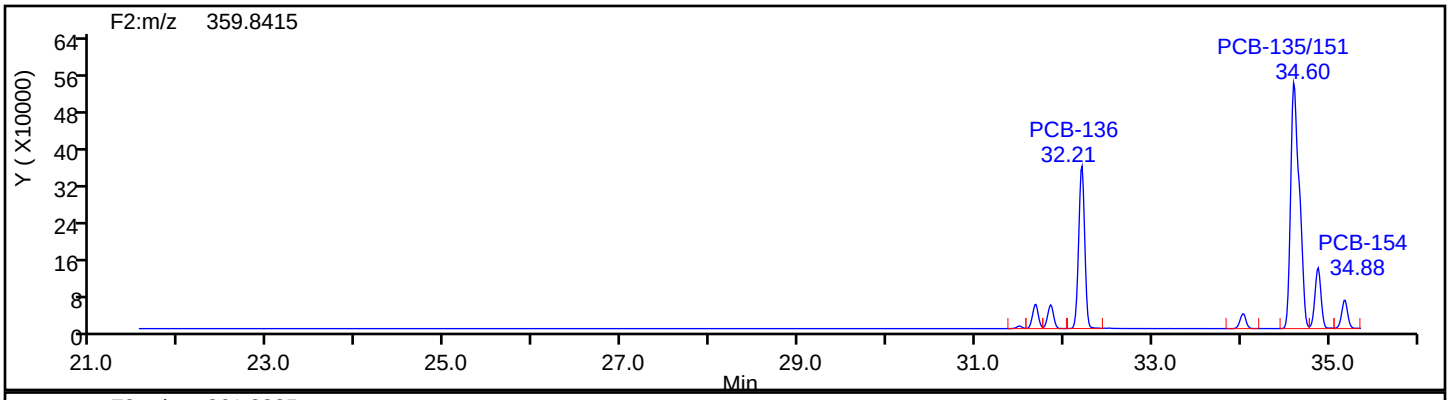


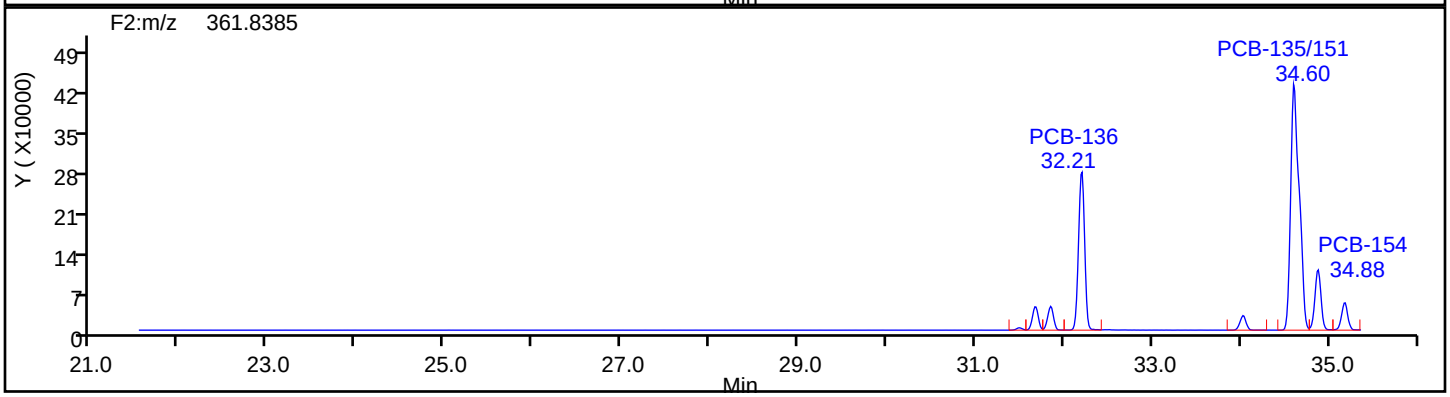

Reviewer: layk, 04-Oct-2019 10:44:01
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

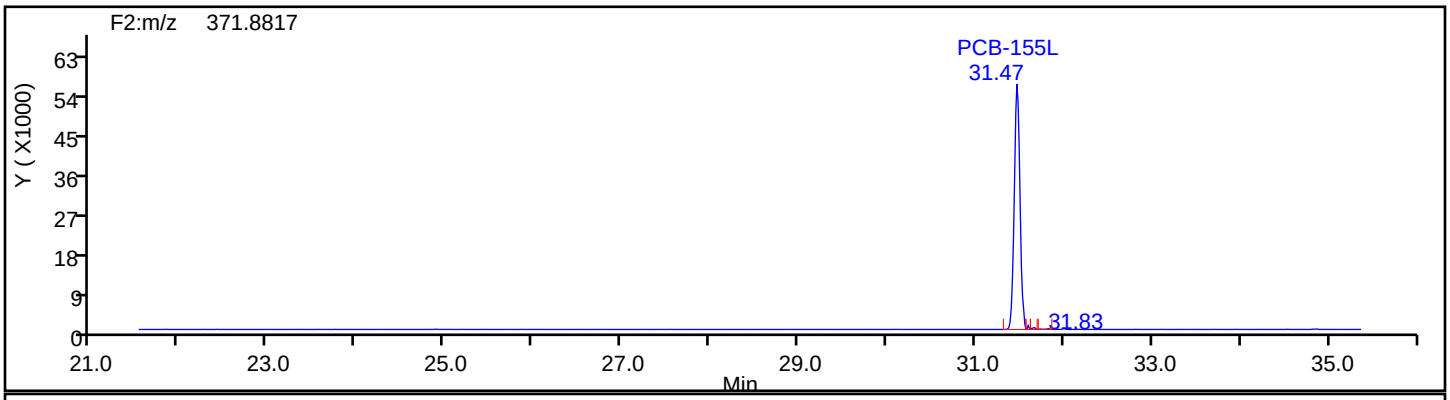
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

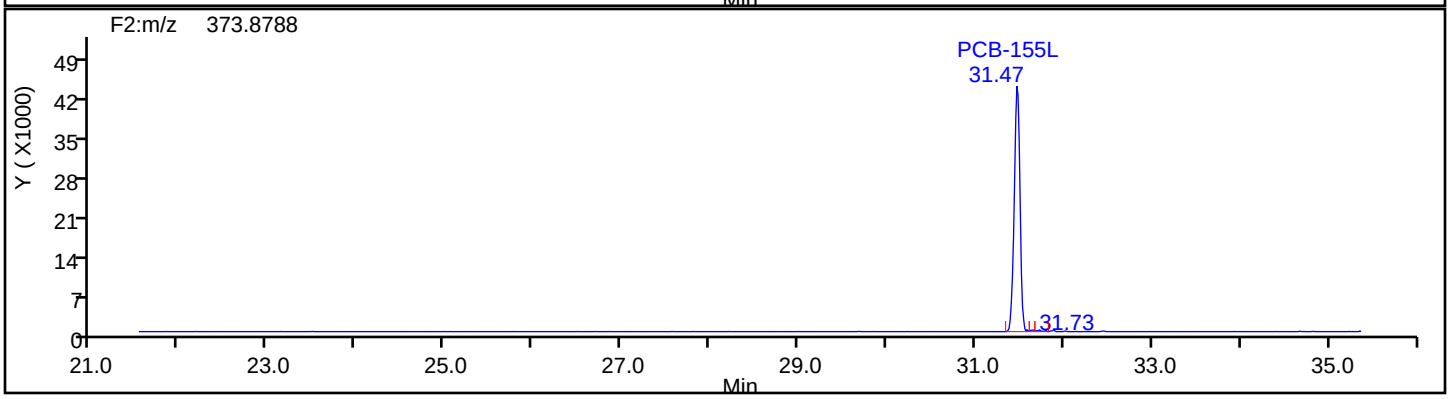
HxPCB F2




HxPCB F2 Standards

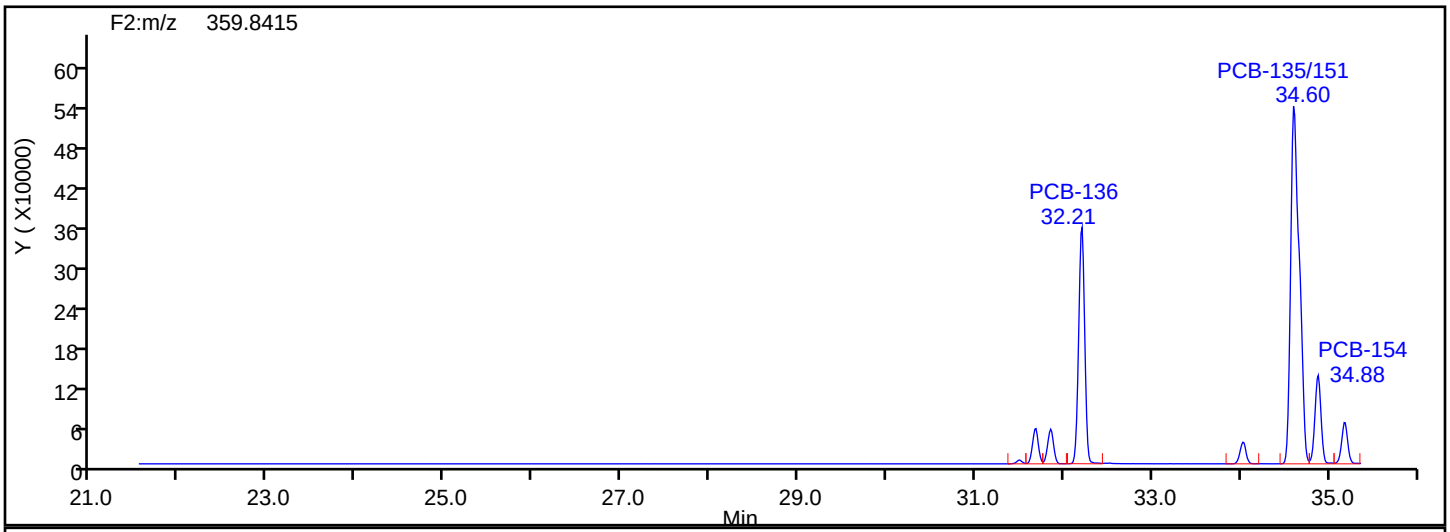


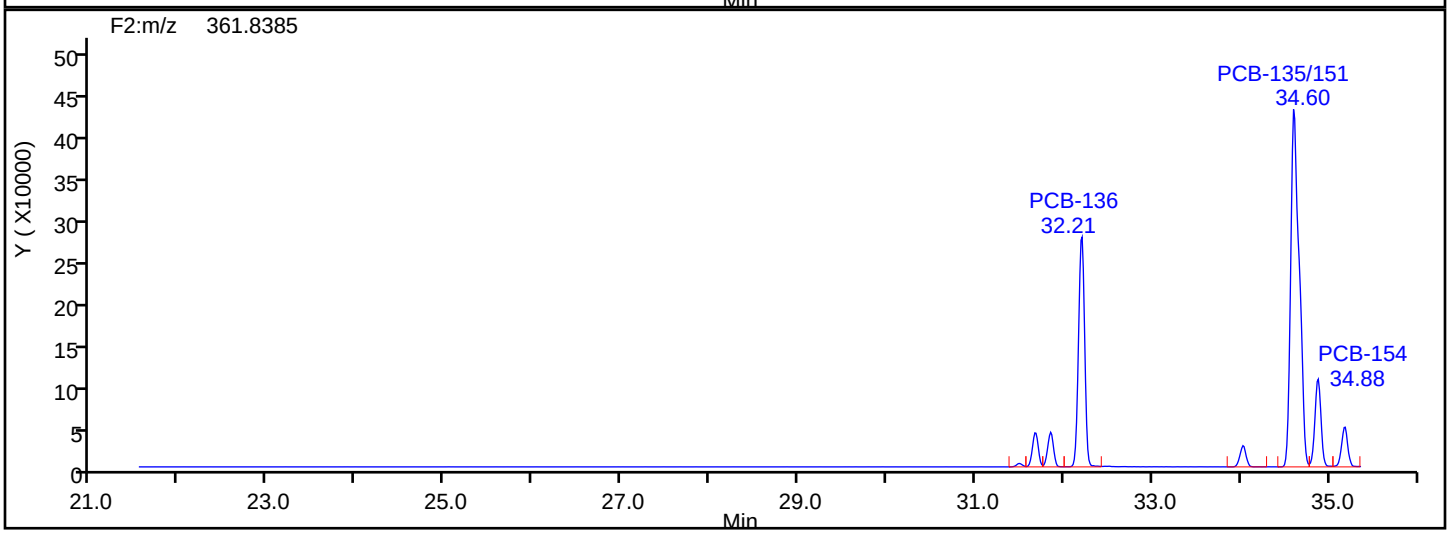



Eurofins TestAmerica, Knoxville

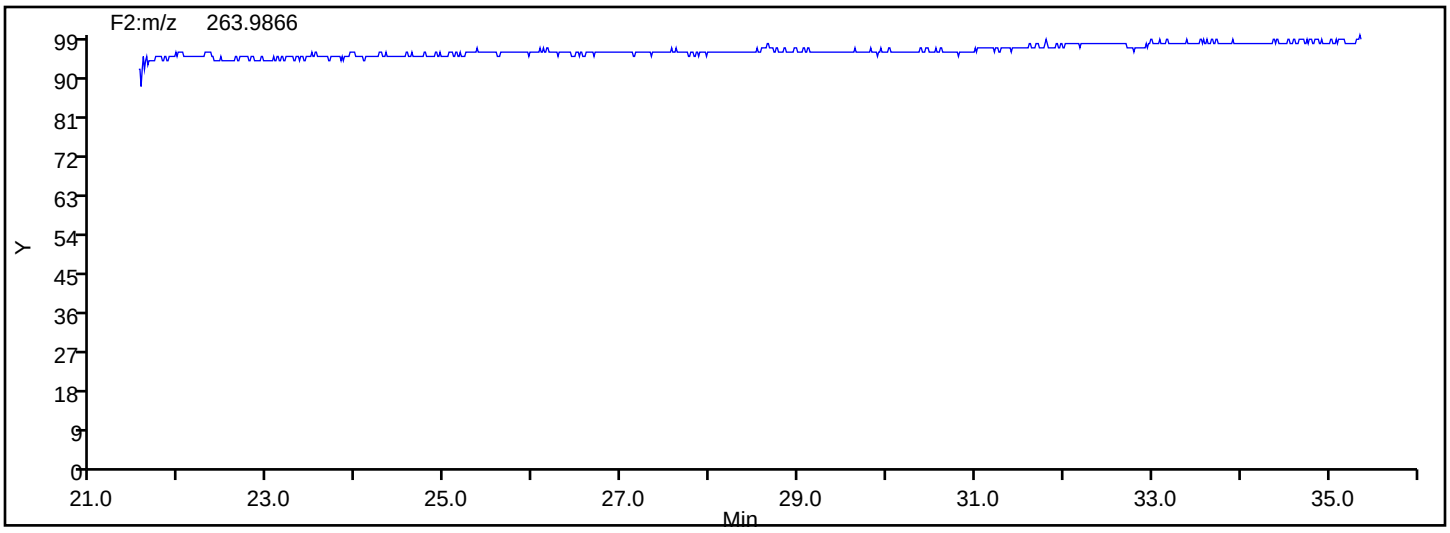
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass

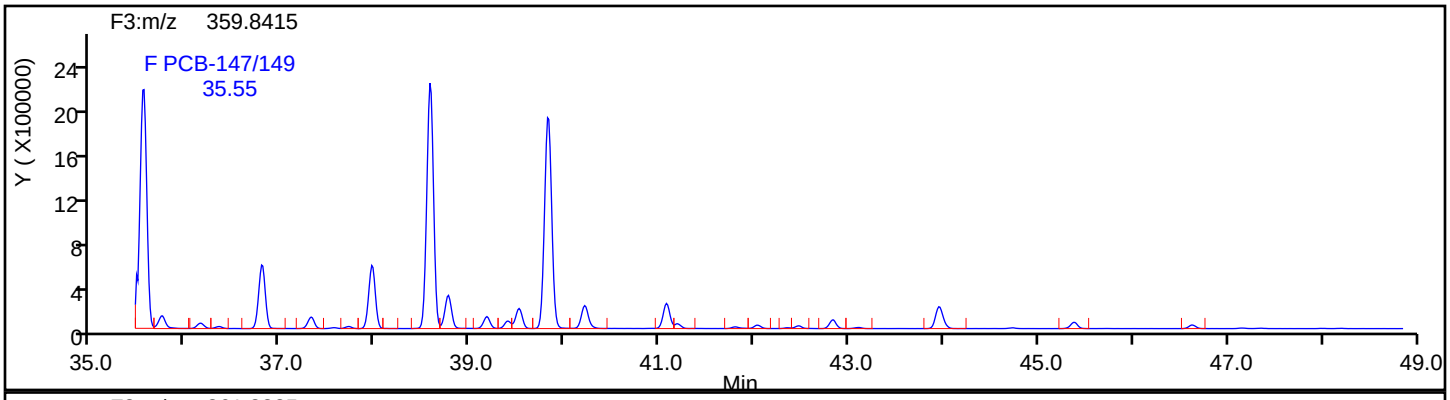


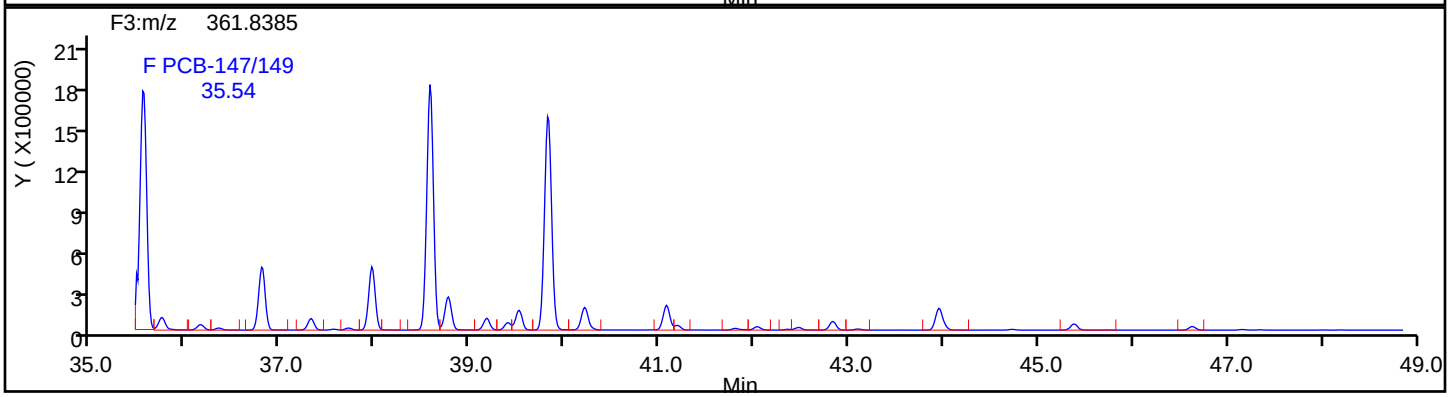
Report Date: 04-Oct-2019 14:11:09 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

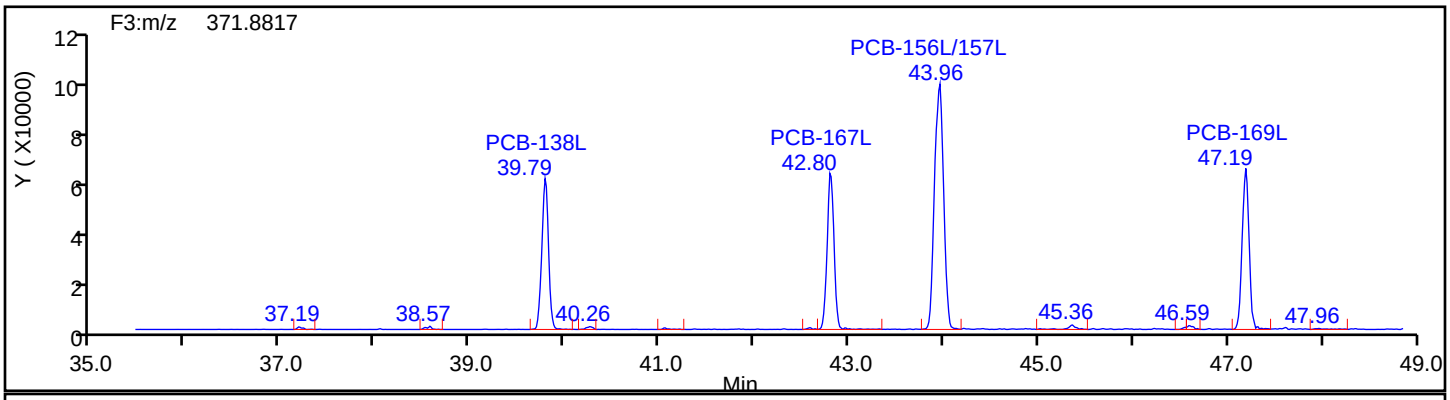
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

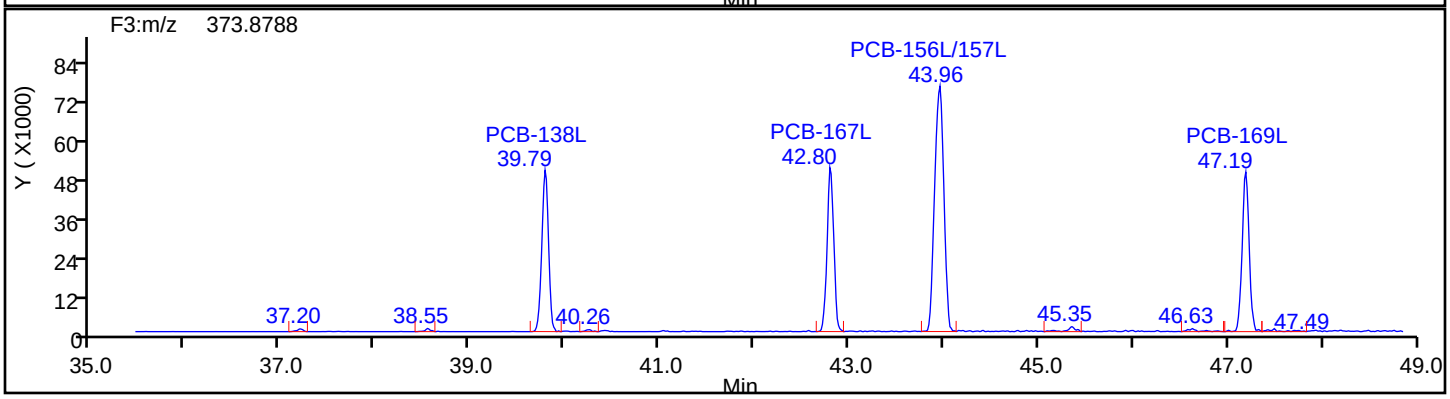
HxPCB F3




HxPCB F3 Standards

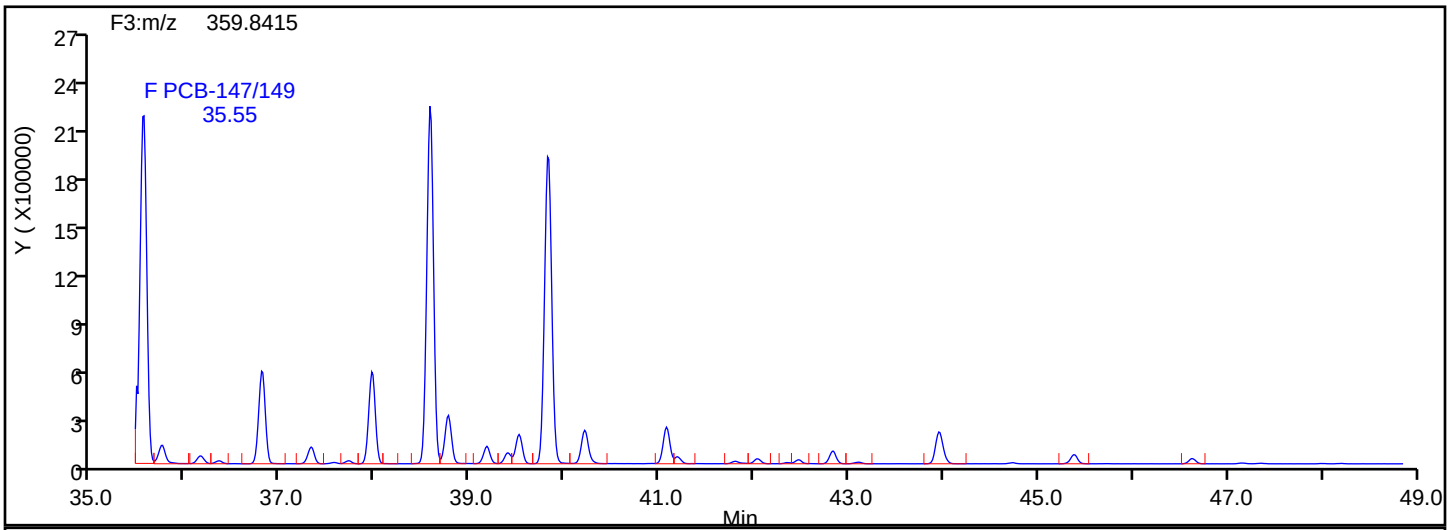


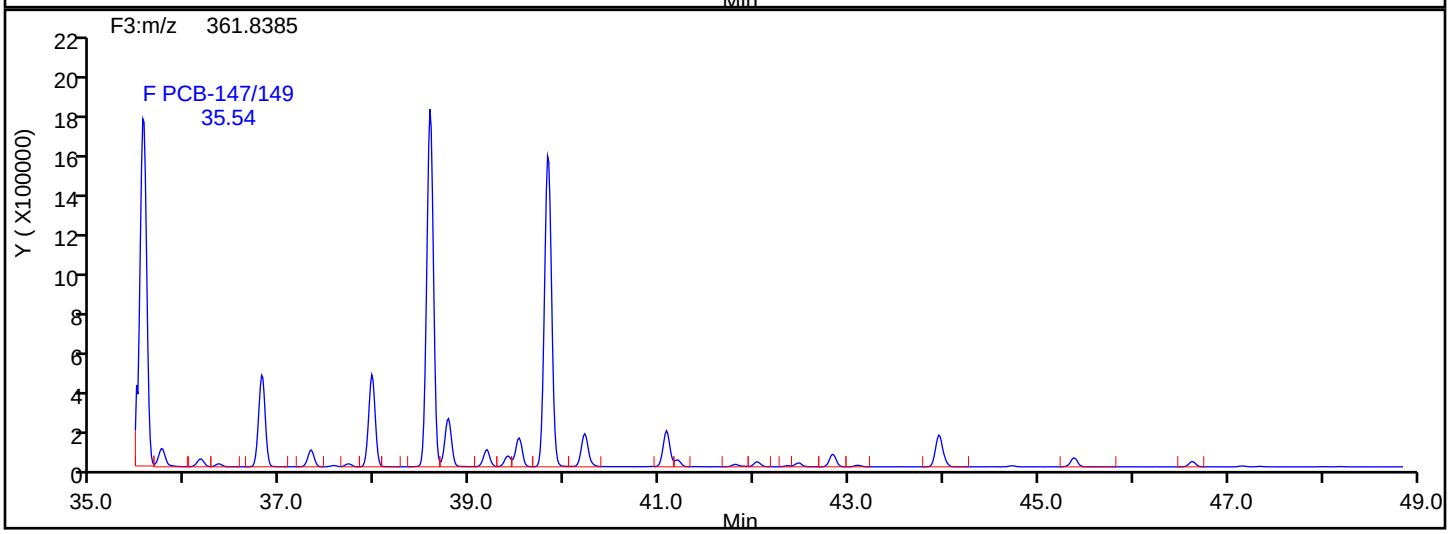



Eurofins TestAmerica, Knoxville

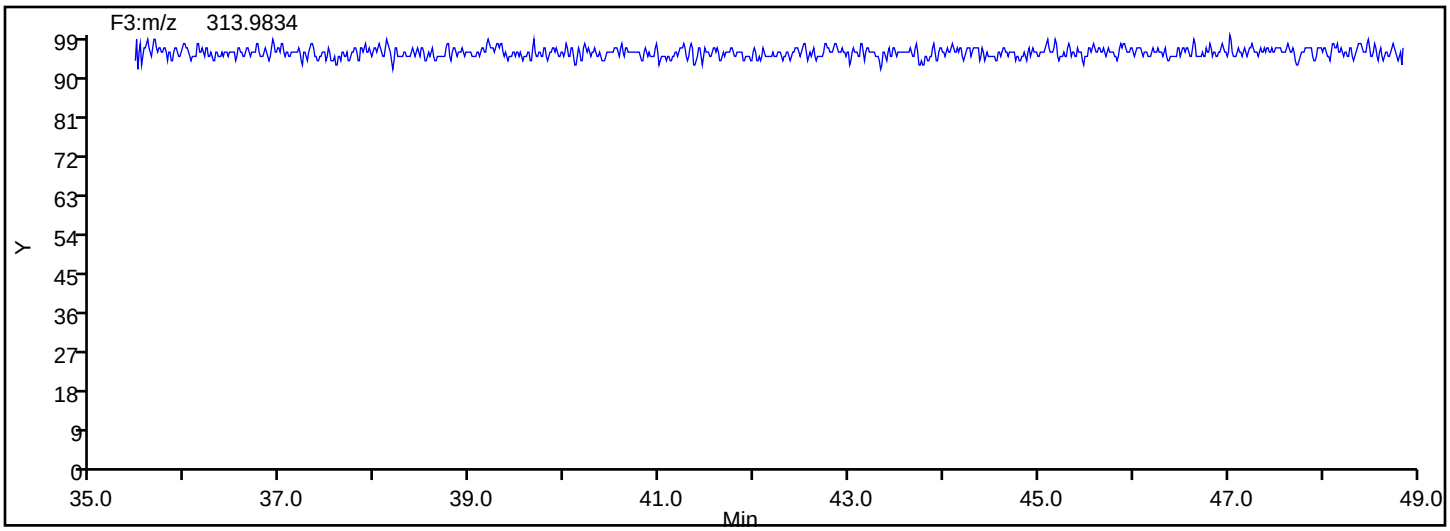
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

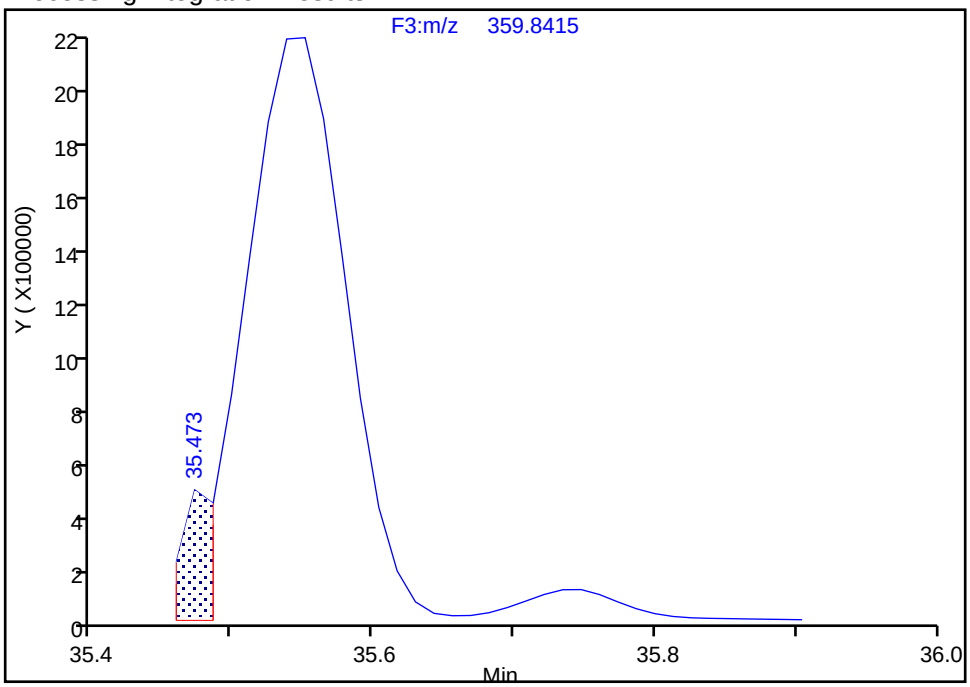
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 1

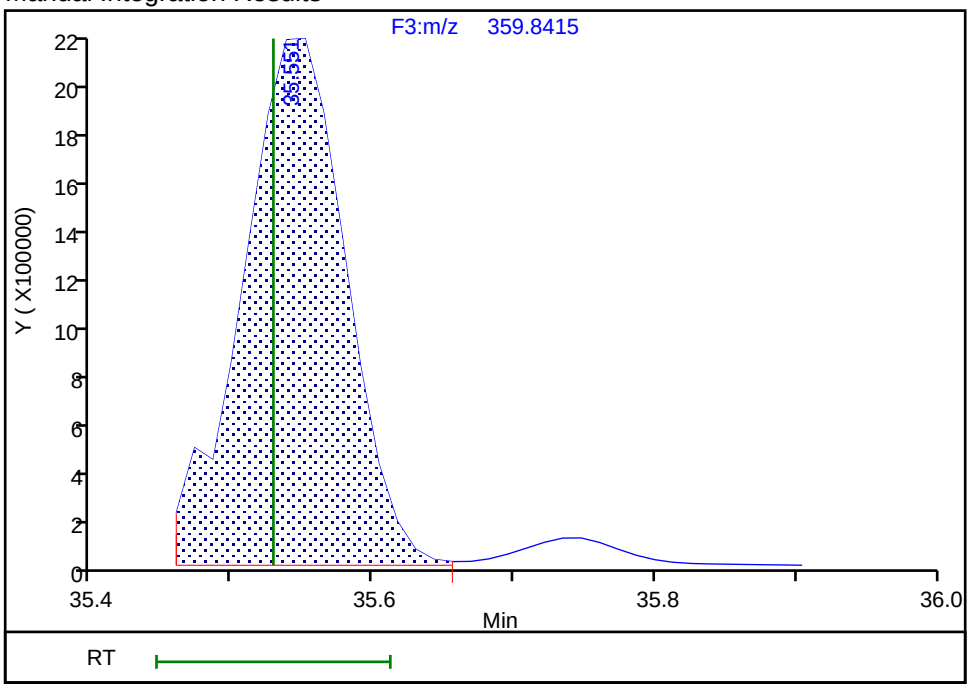
Processing Integration Results

RT: 35.47
Area: 620263
Amount: 39.875385
Amount Units: pg/ul




Manual Integration Results

RT: 35.55
Area: 10801461
Amount: 678.2270
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:45:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

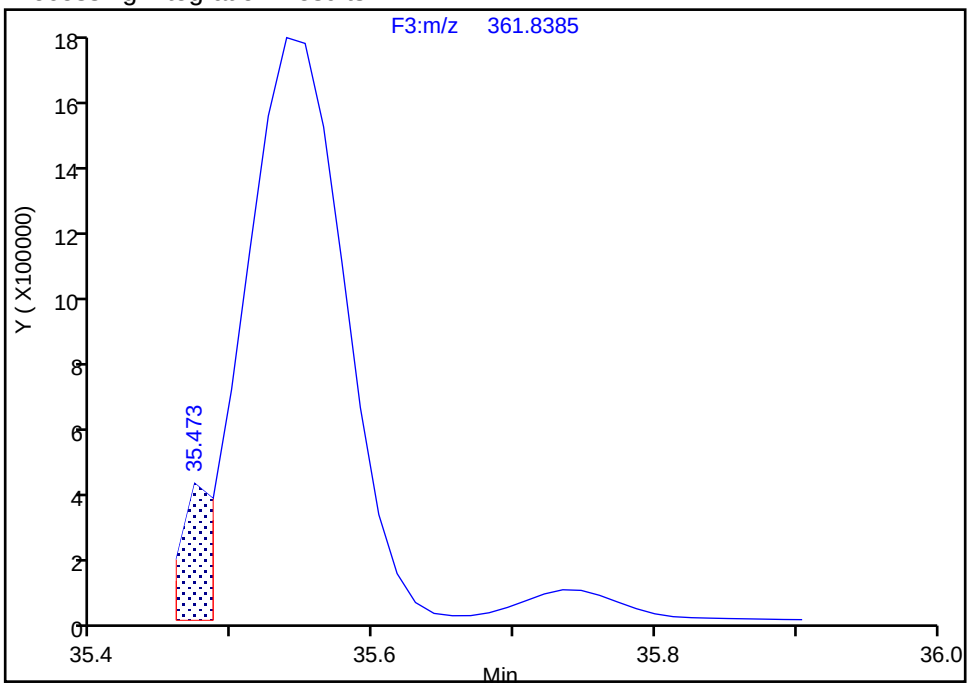
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 2

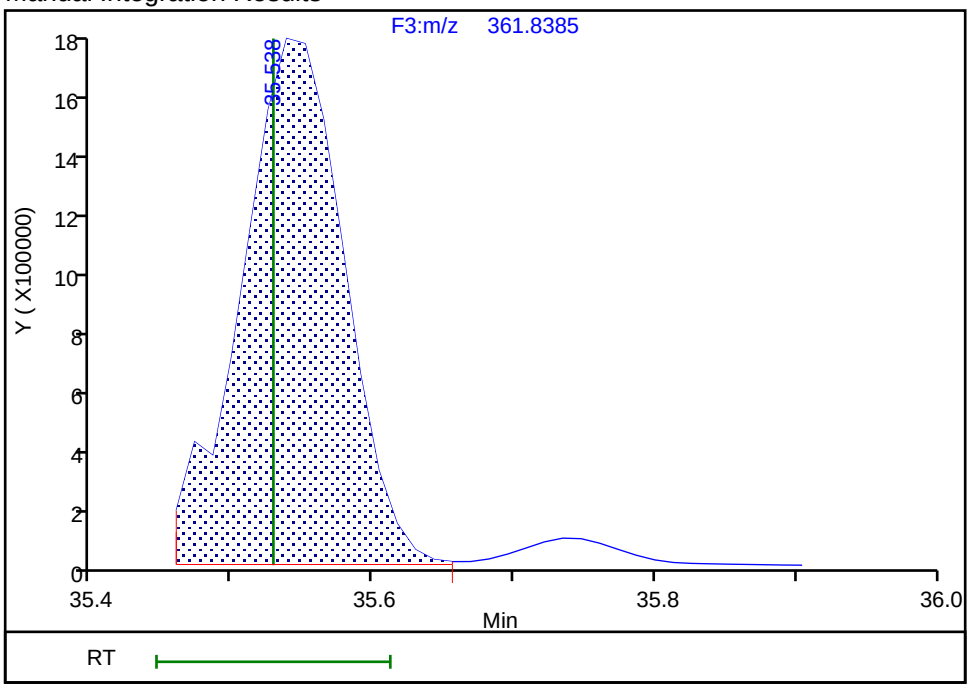
Processing Integration Results

RT: 35.47
Area: 524126
Amount: 39.875385
Amount Units: pg/ul




Manual Integration Results

RT: 35.54
Area: 8663066
Amount: 678.2270
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:45:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

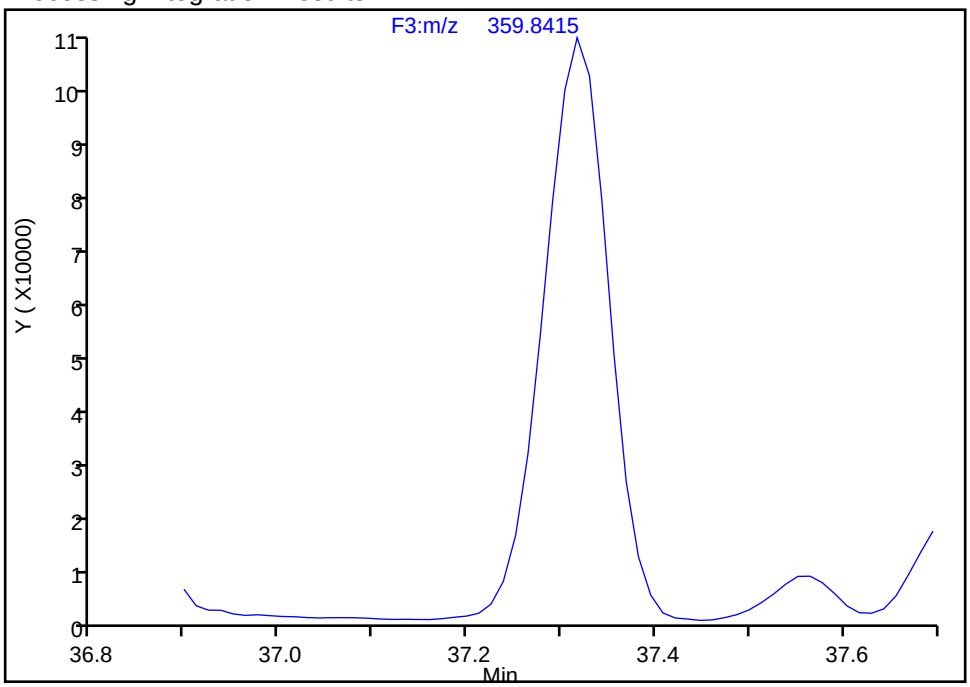
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-133, CAS: 35694-04-3

Signal: 1

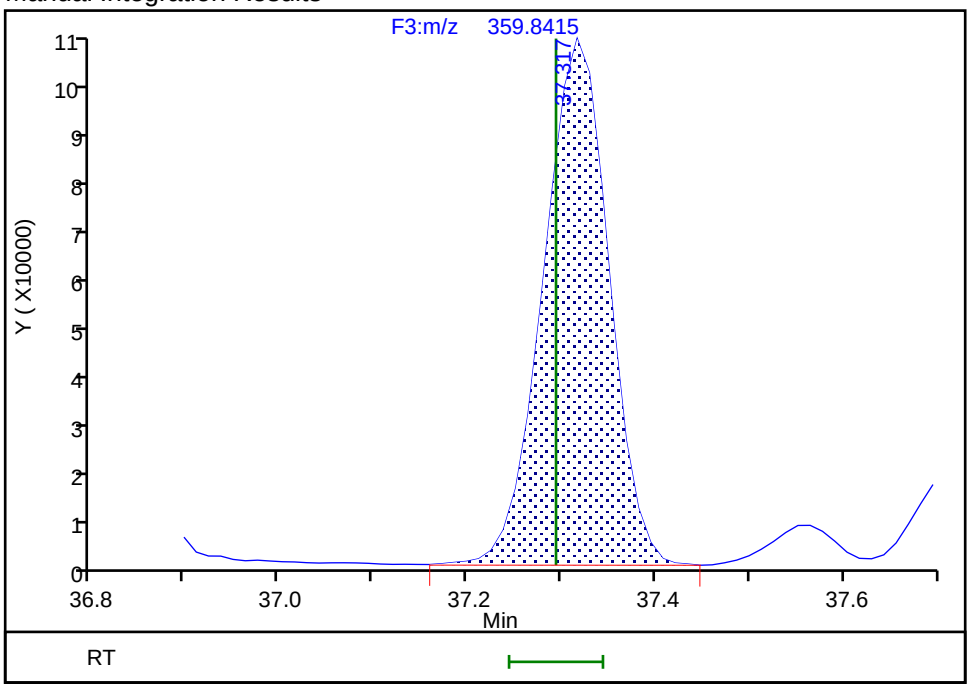
Not Detected
Expected RT: 37.29

Processing Integration Results




Manual Integration Results

RT: 37.32
Area: 492968
Amount: 33.249952
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:46:14
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

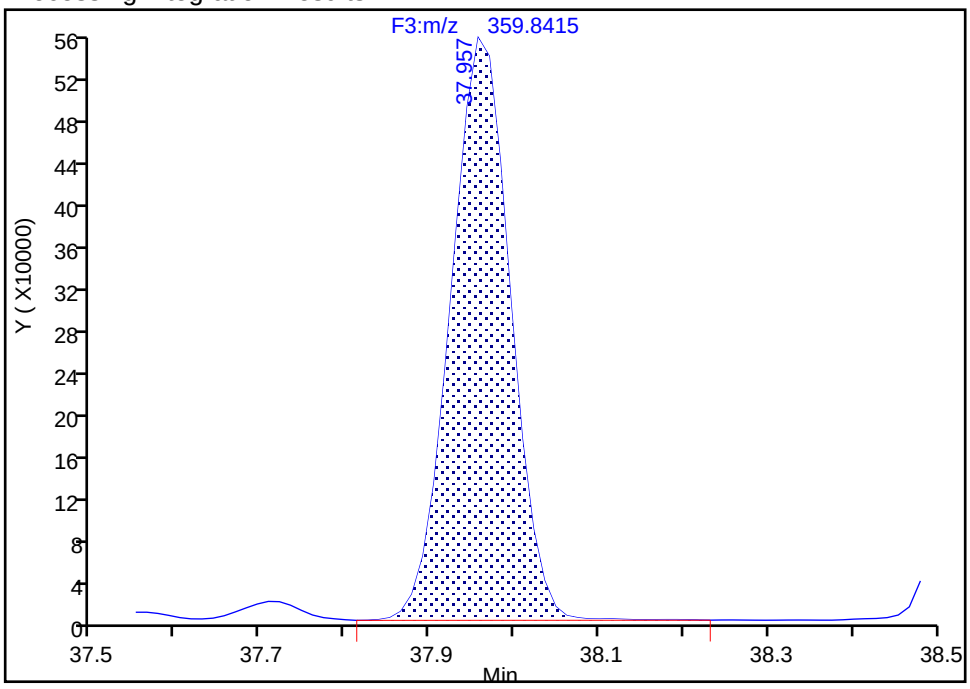
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 1

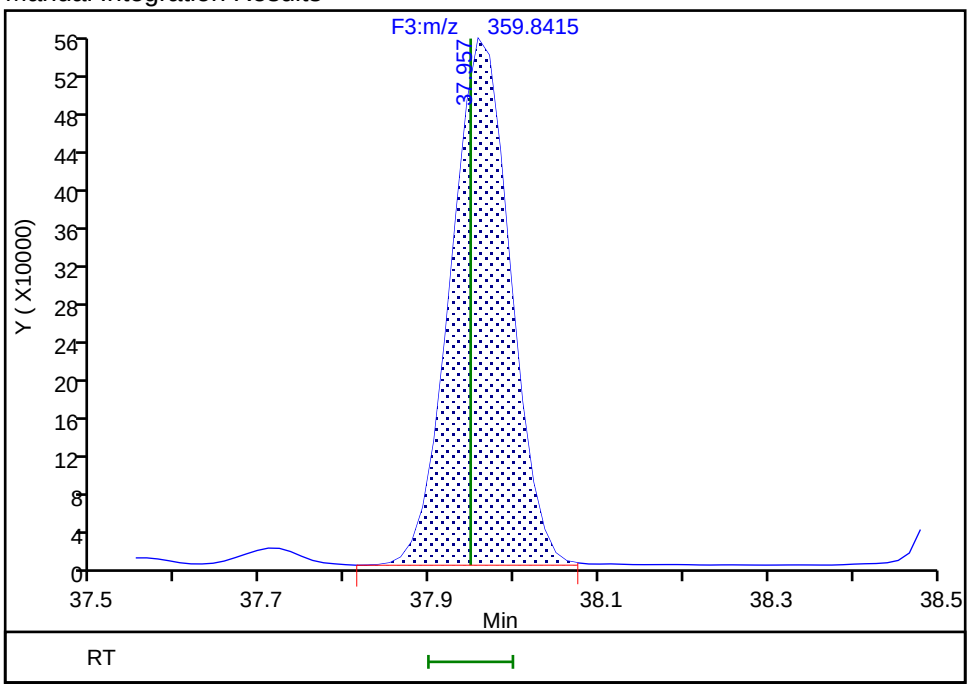
Processing Integration Results

RT: 37.96
Area: 2744052
Amount: 166.3481
Amount Units: pg/ul




Manual Integration Results

RT: 37.96
Area: 2736802
Amount: 165.7776
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:50:11

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

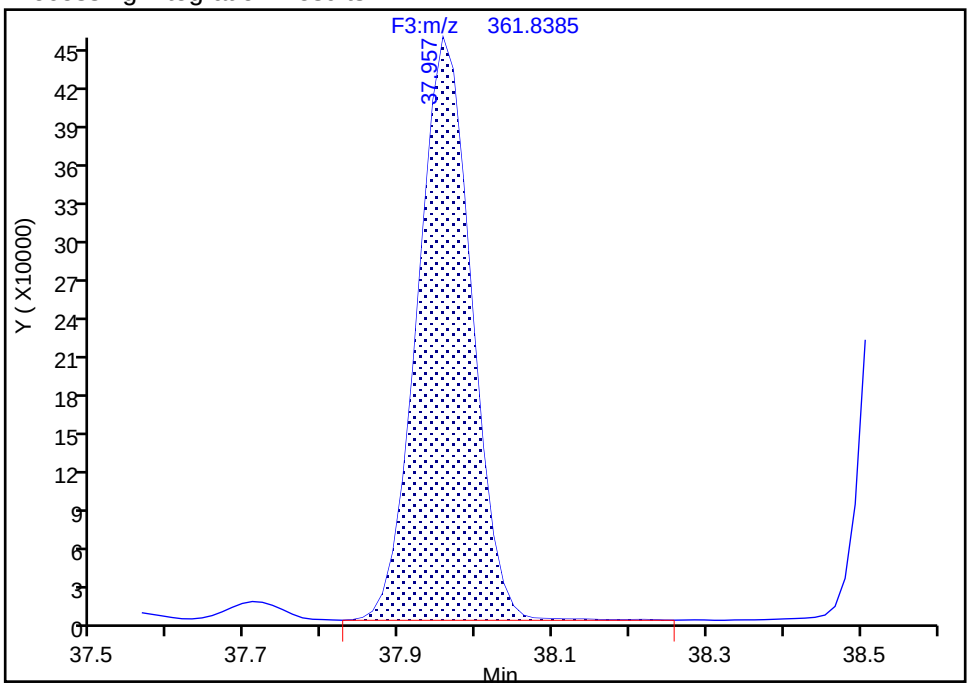
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 2

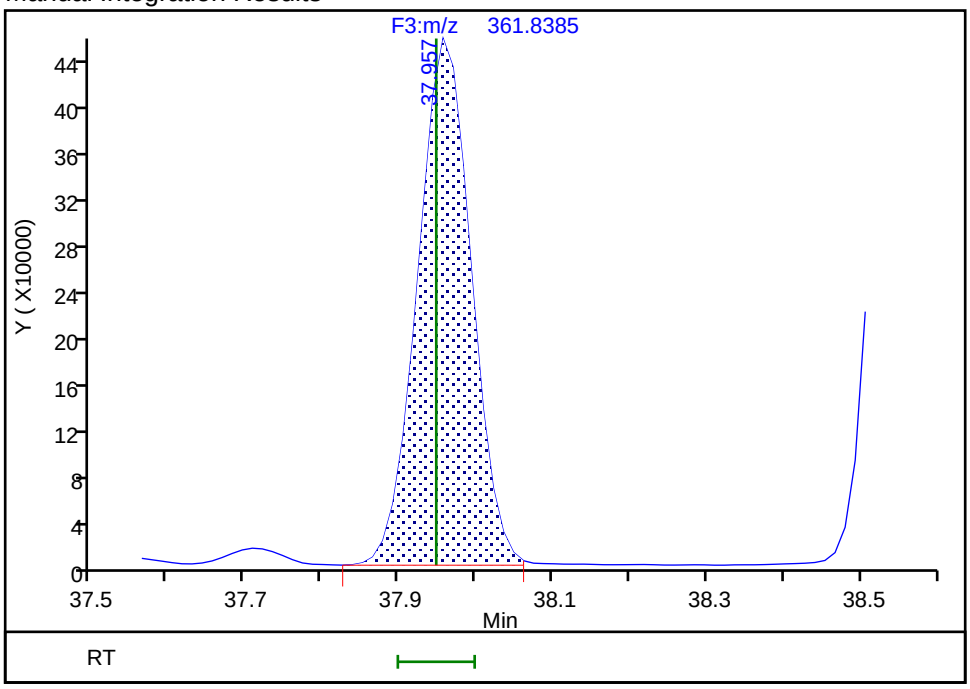
Processing Integration Results

RT: 37.96
Area: 2194961
Amount: 166.3481
Amount Units: pg/ul




Manual Integration Results

RT: 37.96
Area: 2185270
Amount: 165.7776
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:50:14
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

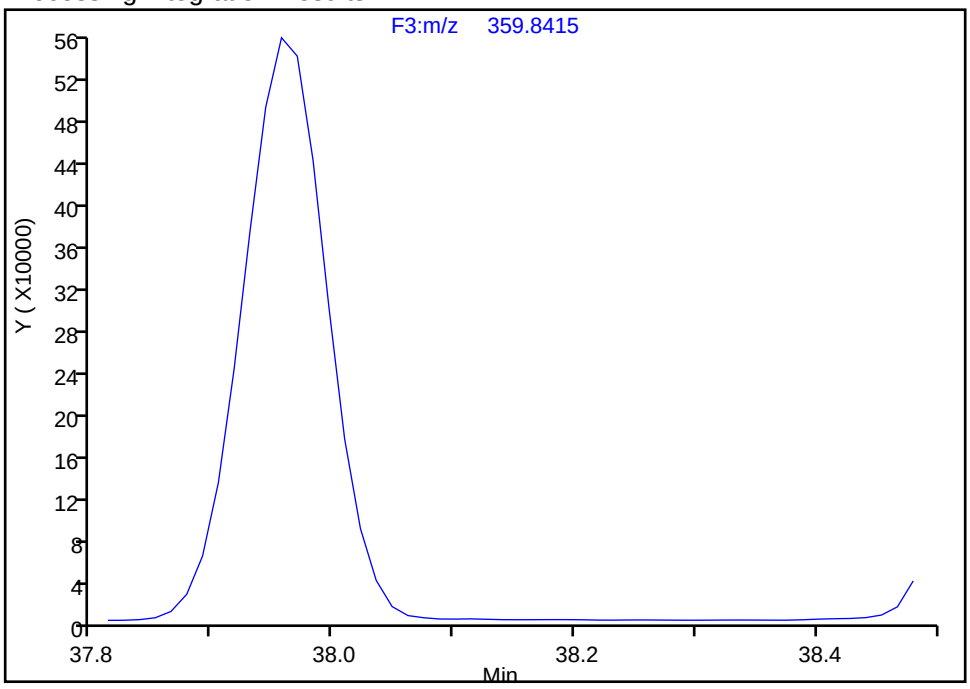
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-161, CAS: 74472-43-8

Signal: 1

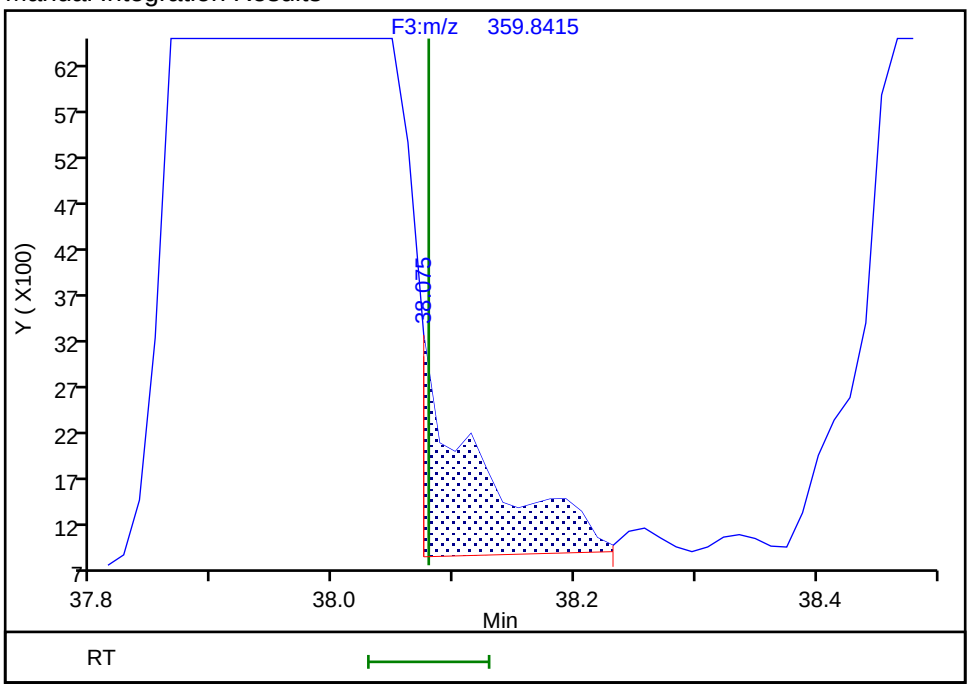
Not Detected
Expected RT: 38.08

Processing Integration Results




Manual Integration Results

RT: 38.07
Area: 7256
Amount: 0.430479
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:50:37
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

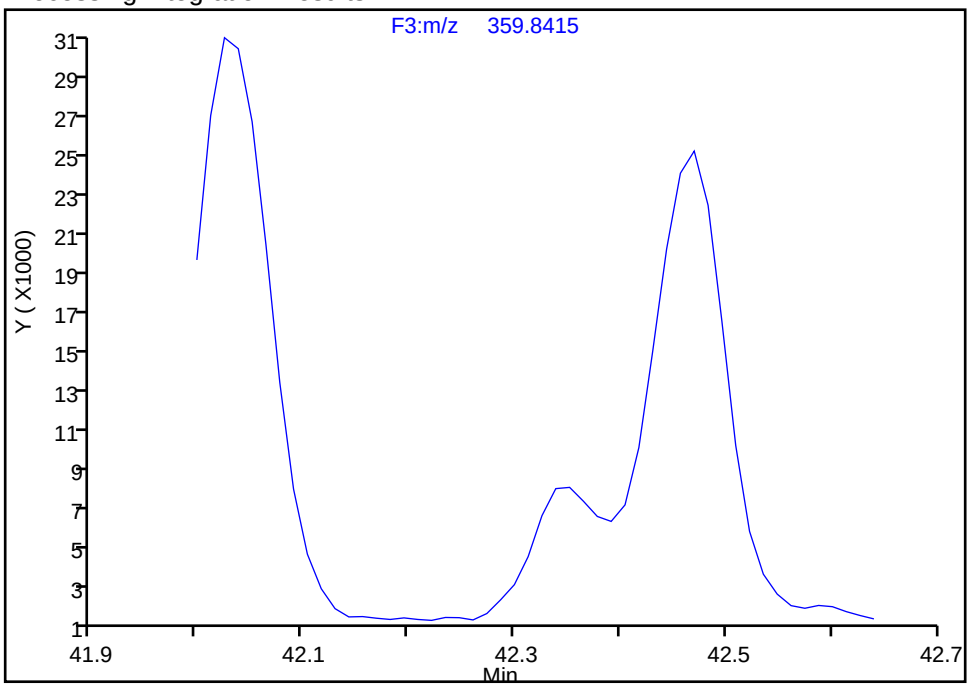
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

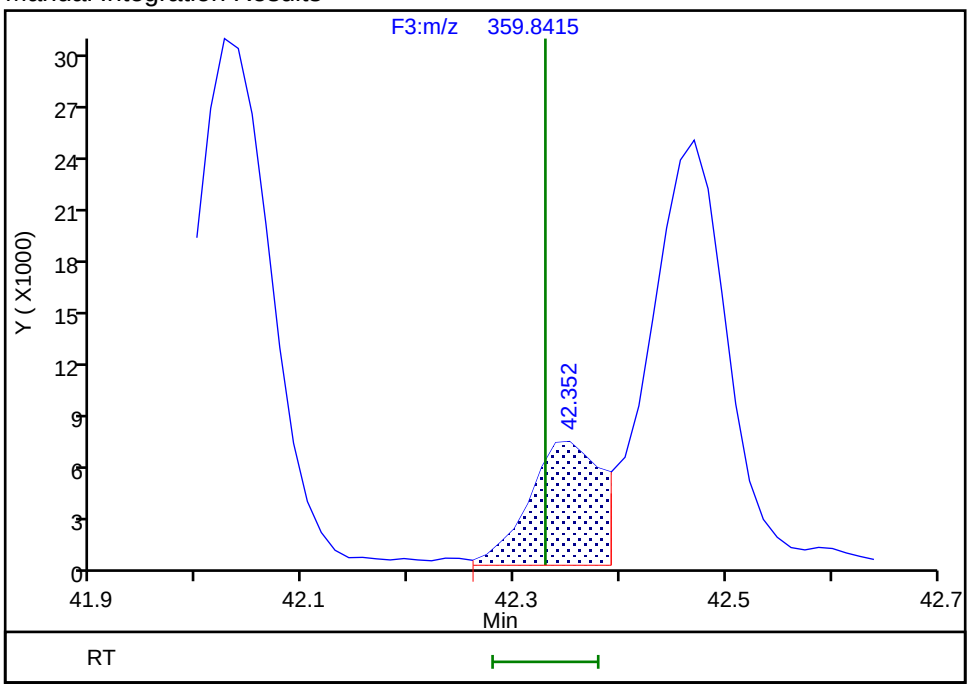
Not Detected
Expected RT: 42.33

Processing Integration Results




Manual Integration Results

RT: 42.35
Area: 32716
Amount: 1.531535
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:51:43
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

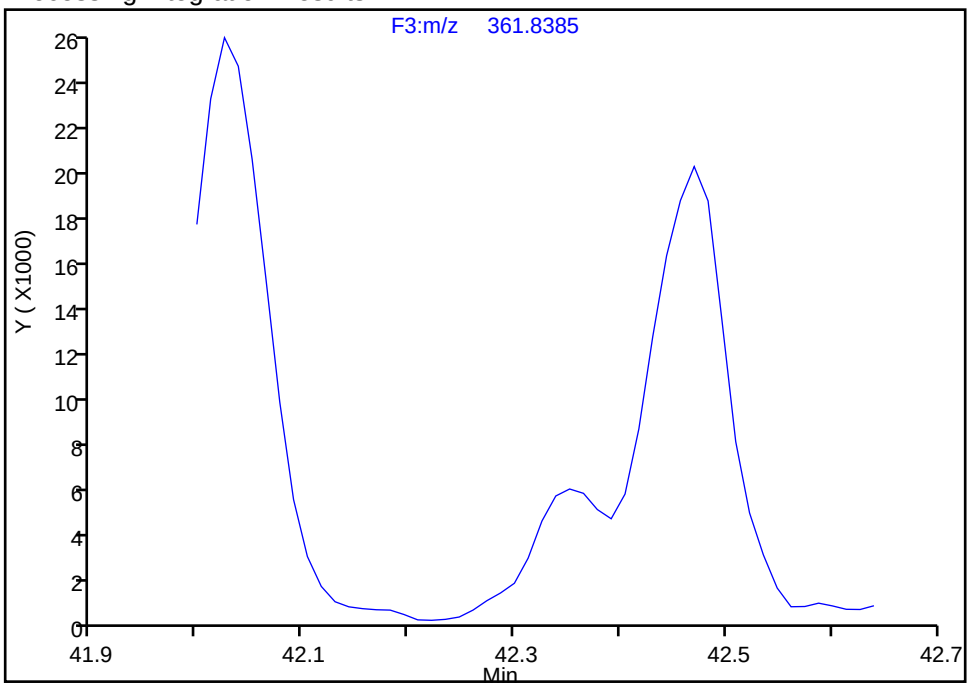
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

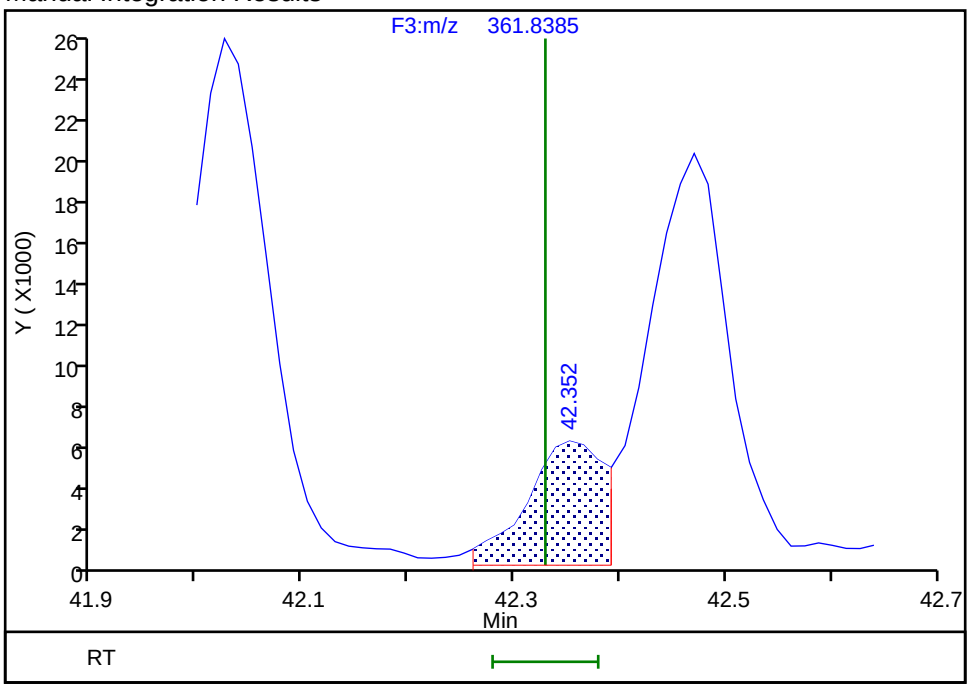
Not Detected
Expected RT: 42.33

Processing Integration Results




Manual Integration Results

RT: 42.35
Area: 28716
Amount: 1.531535
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:51:53
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

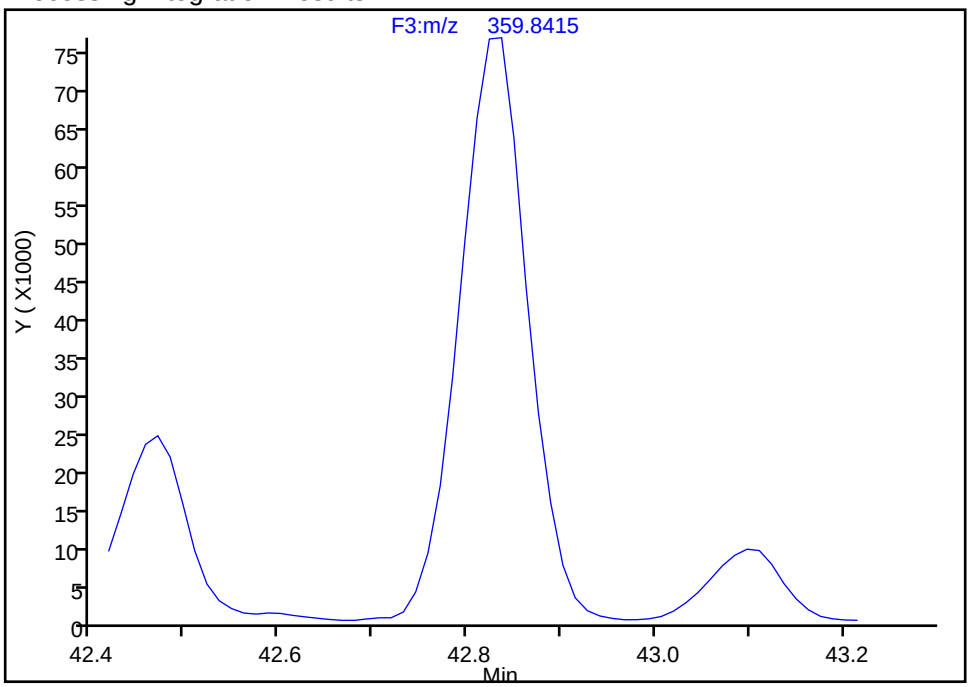
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-167, CAS: 52663-72-6

Signal: 1

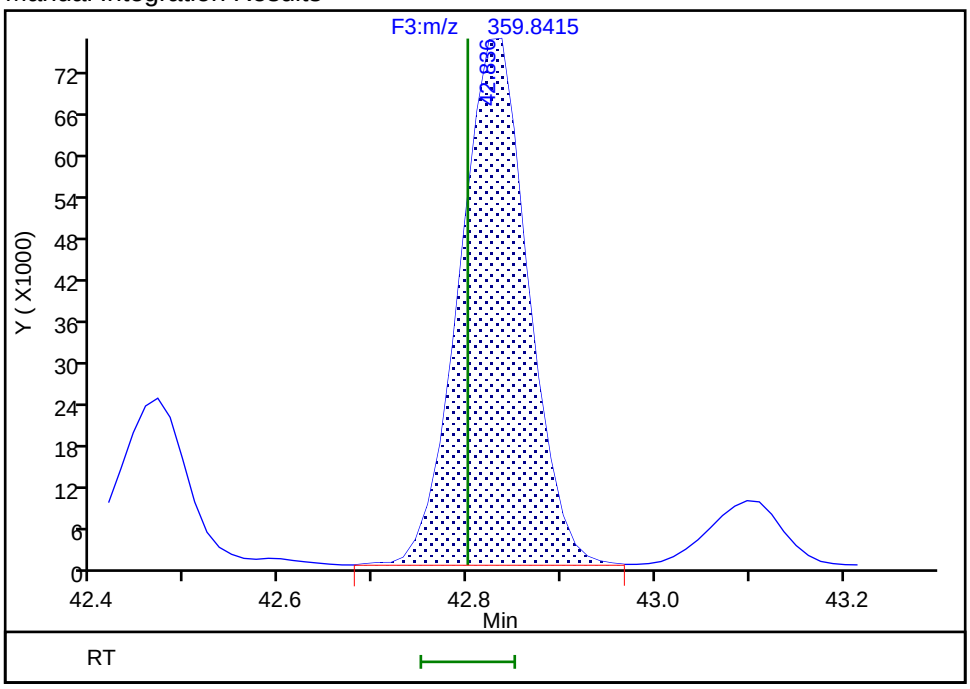
Not Detected
Expected RT: 42.80

Processing Integration Results




Manual Integration Results

RT: 42.84
Area: 385833
Amount: 18.183562
Amount Units: pg/ul

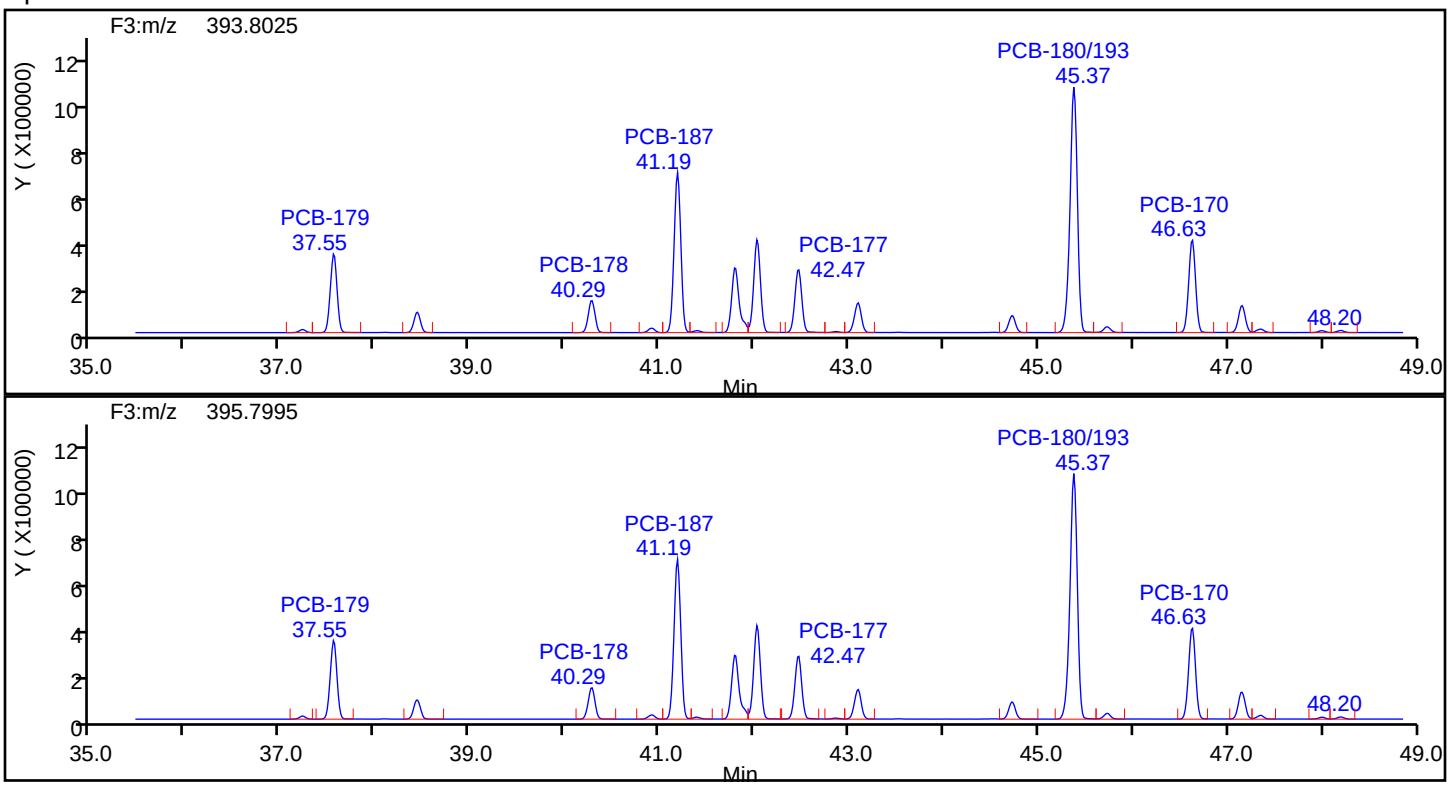



Reviewer: layk, 04-Oct-2019 10:52:00
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

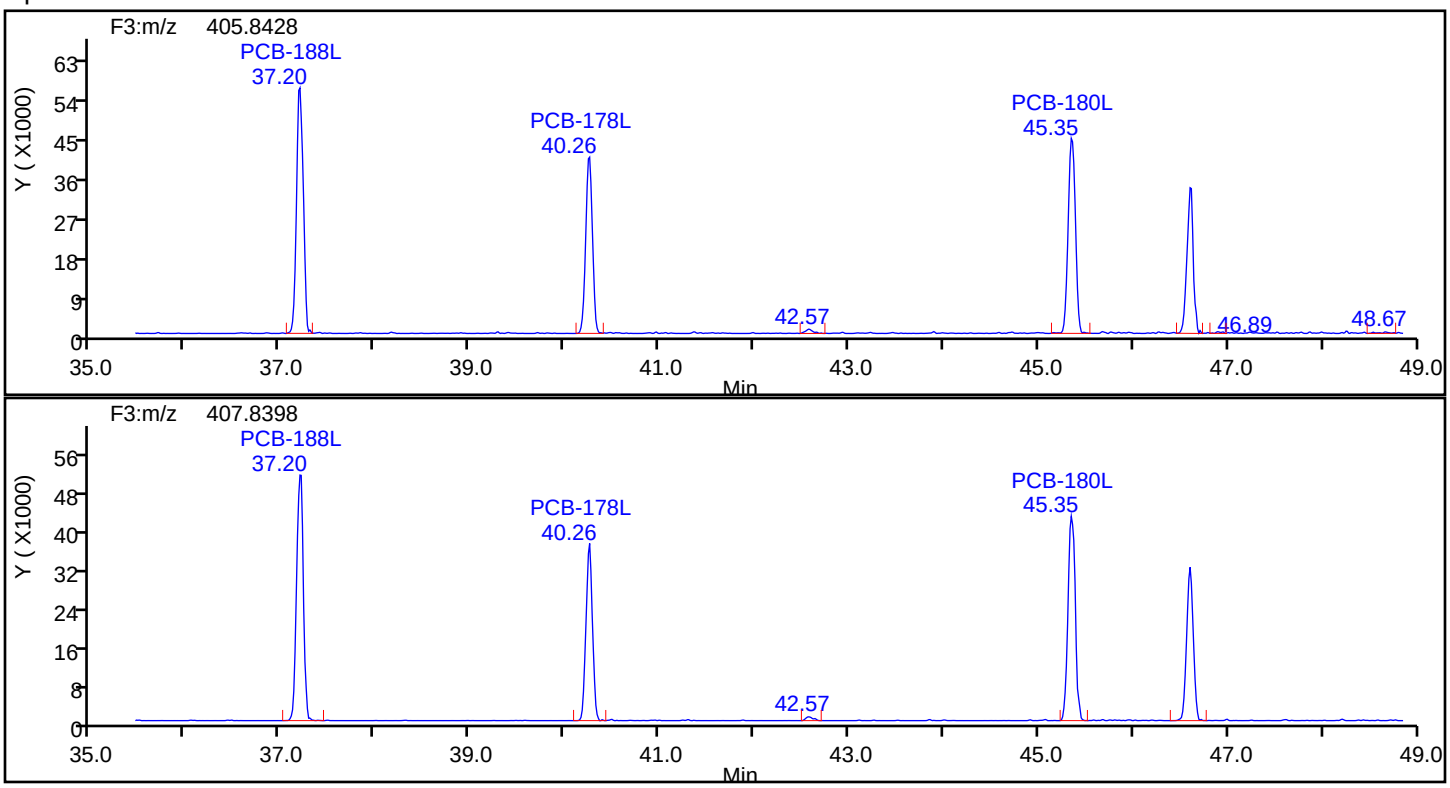
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



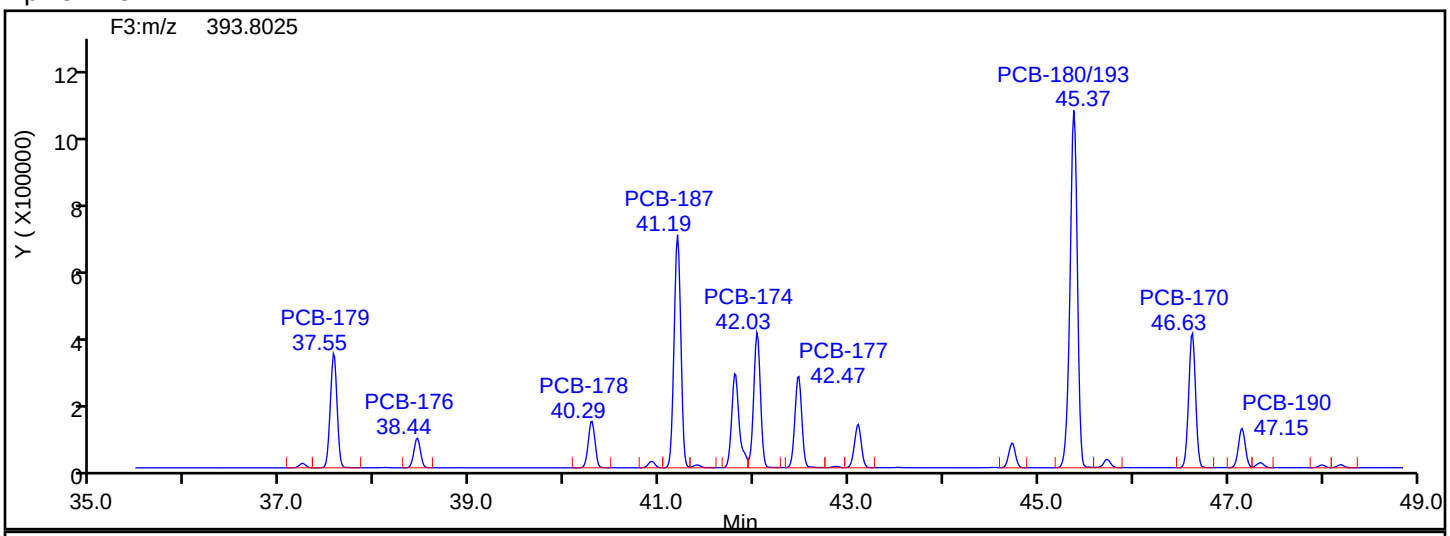

HpPCB F3 Standards

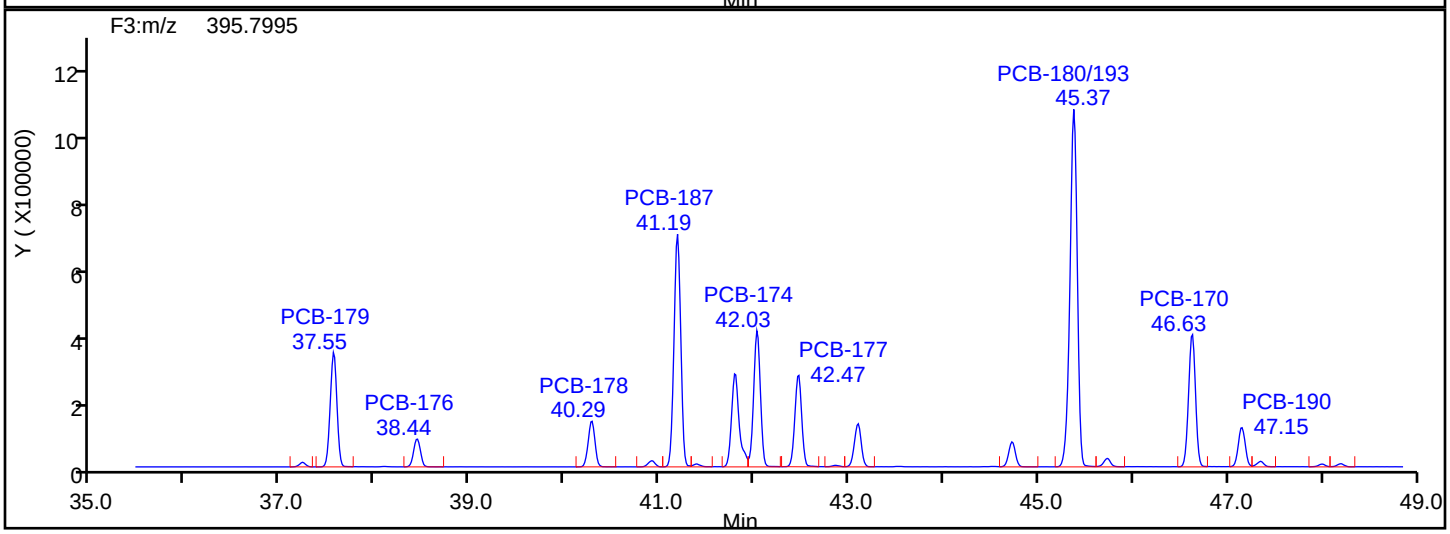


Eurofins TestAmerica, Knoxville

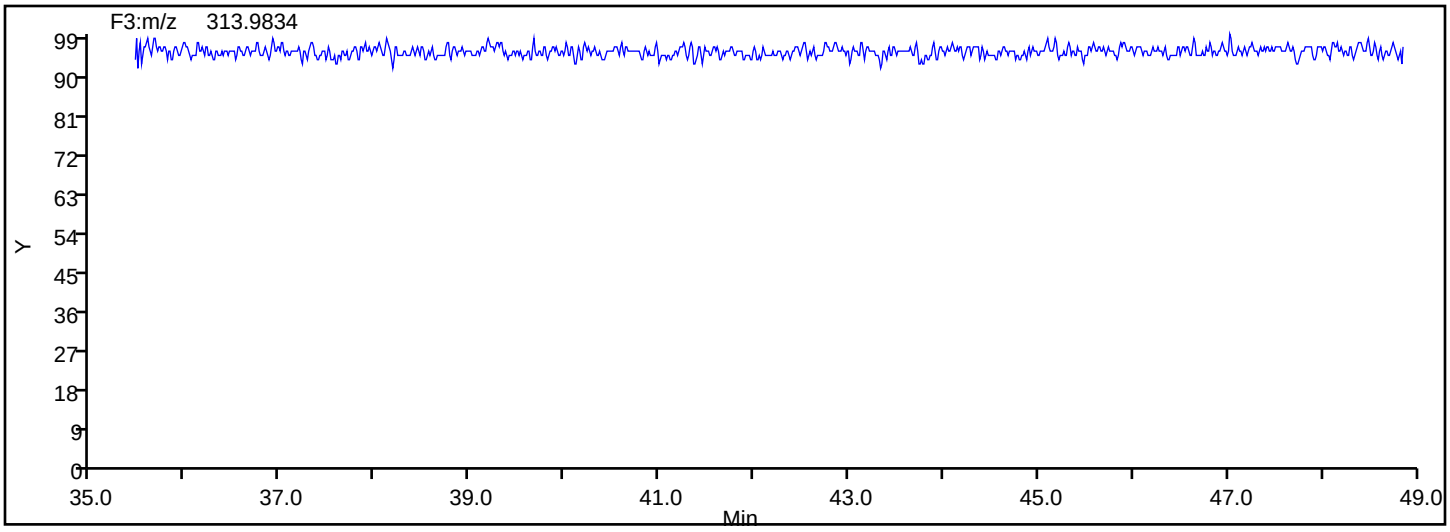
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

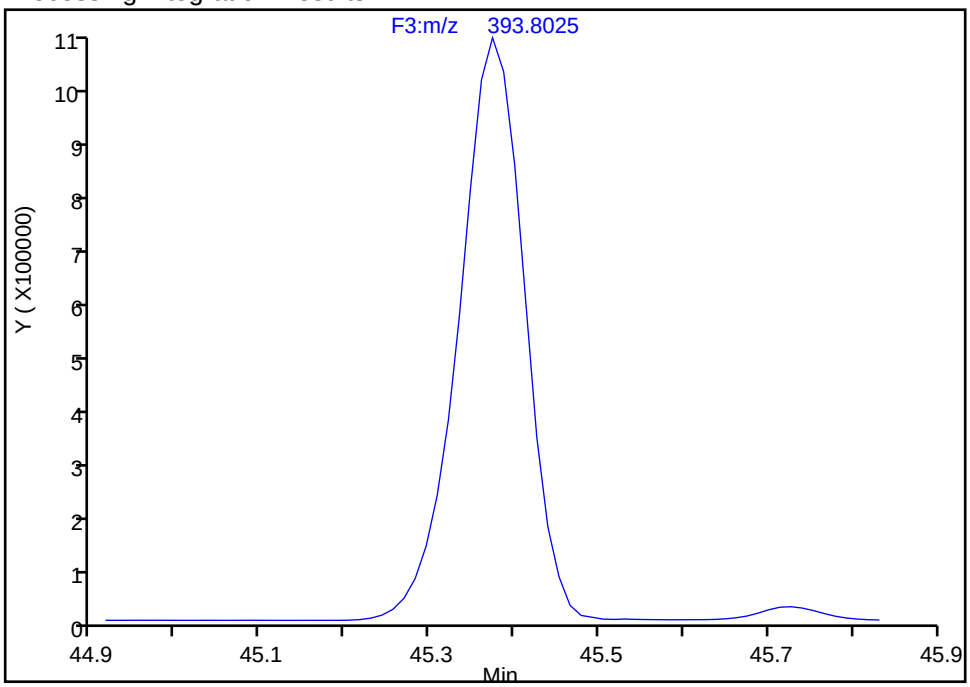
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-C | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 11 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

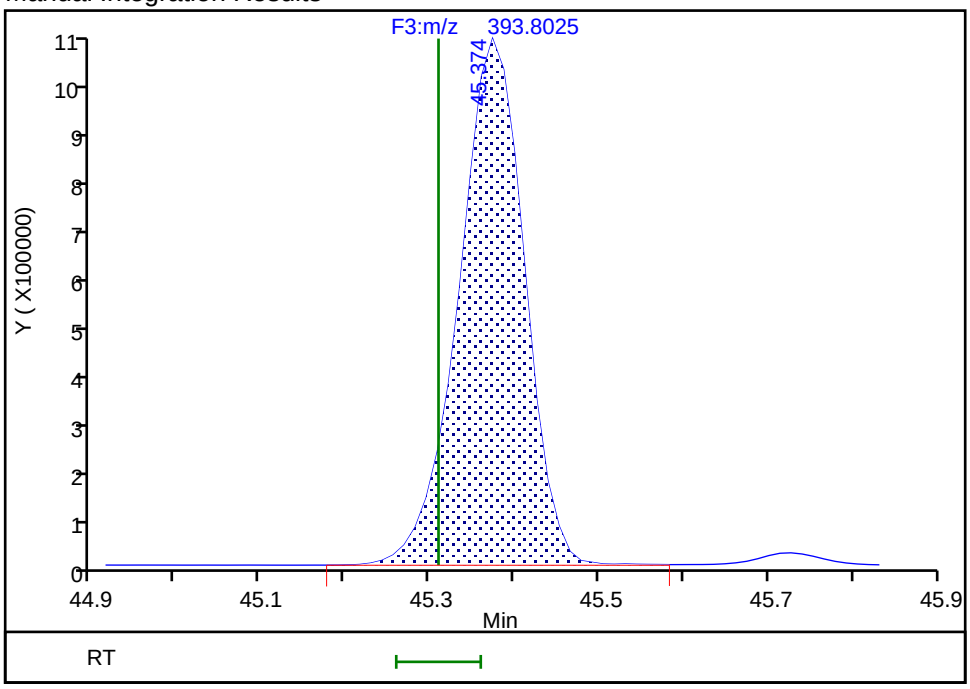
Not Detected
Expected RT: 45.31

Processing Integration Results




Manual Integration Results

RT: 45.37
Area: 5726532
Amount: 428.0734
Amount Units: pg/ul



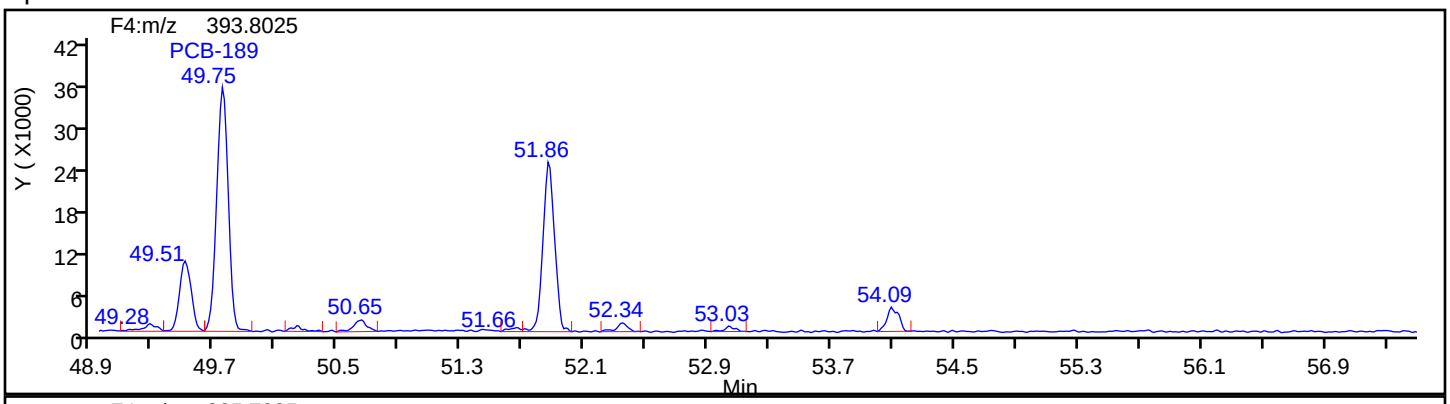

Reviewer: layk, 04-Oct-2019 10:53:47
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

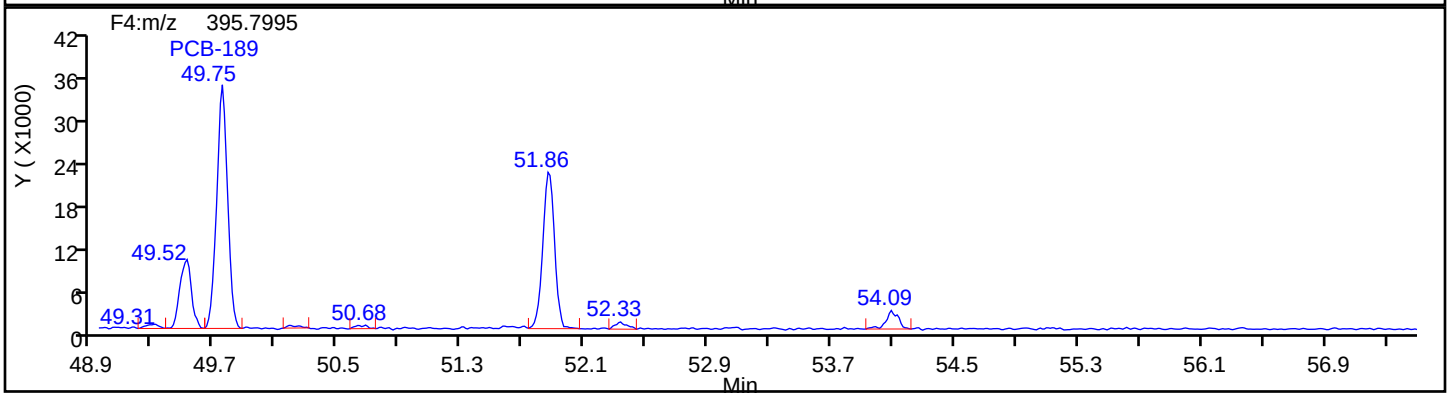
Report Date: 04-Oct-2019 14:11:10 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

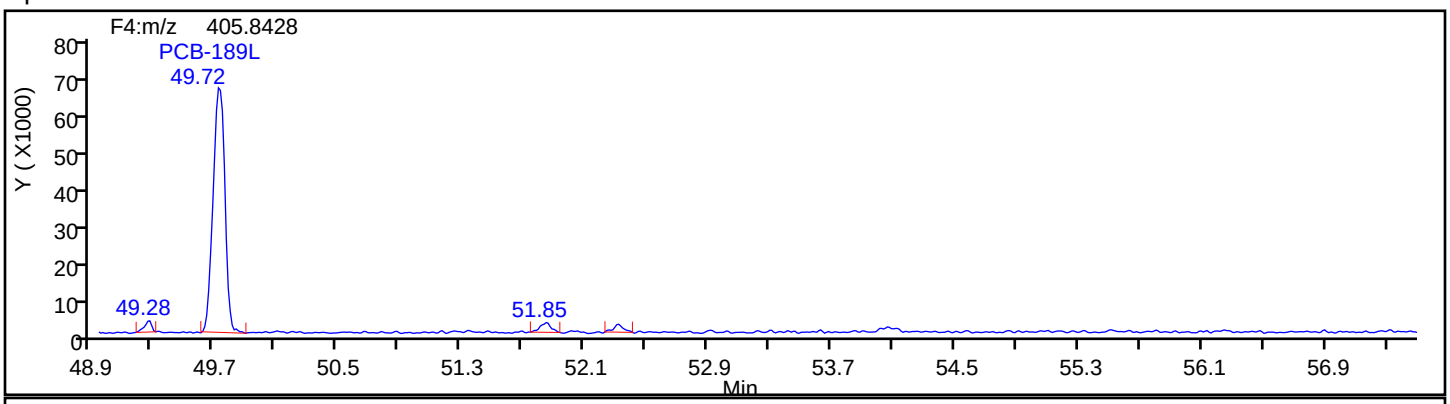
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

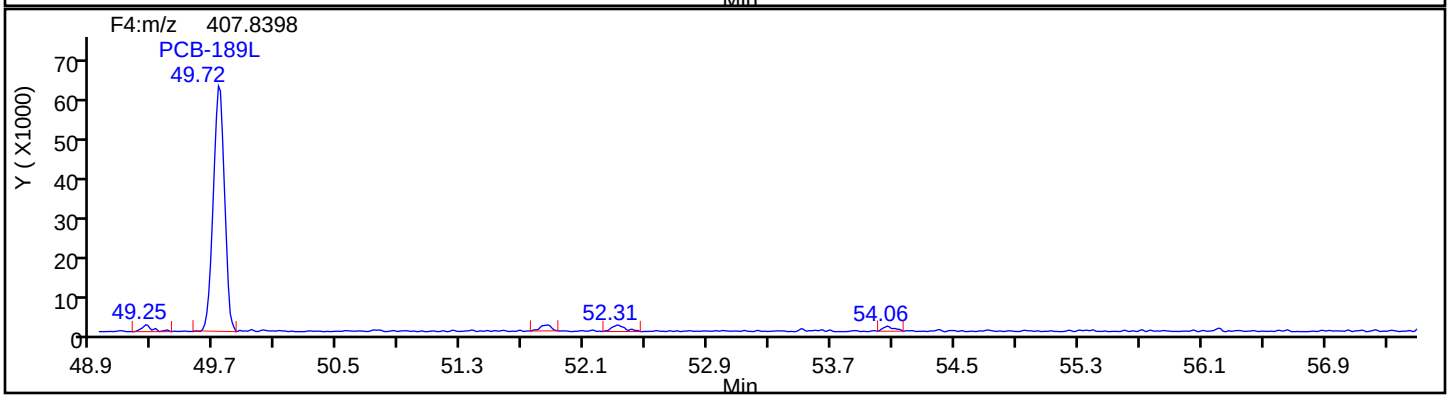
HpPCB F4




HpPCB F4 Standards

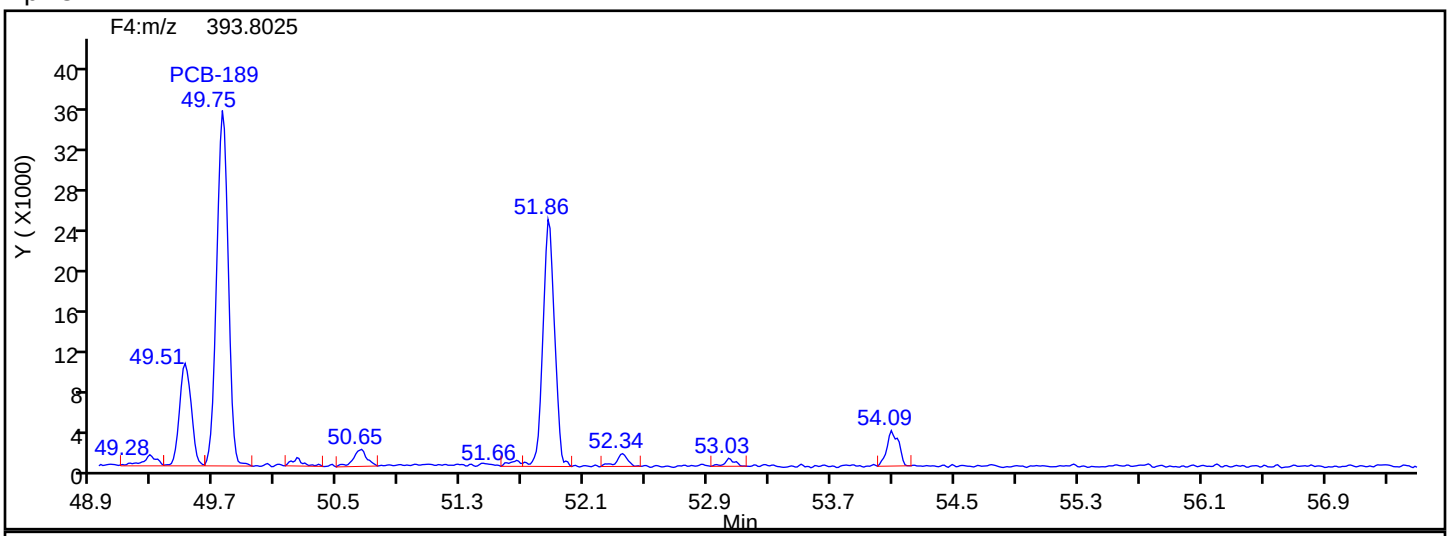


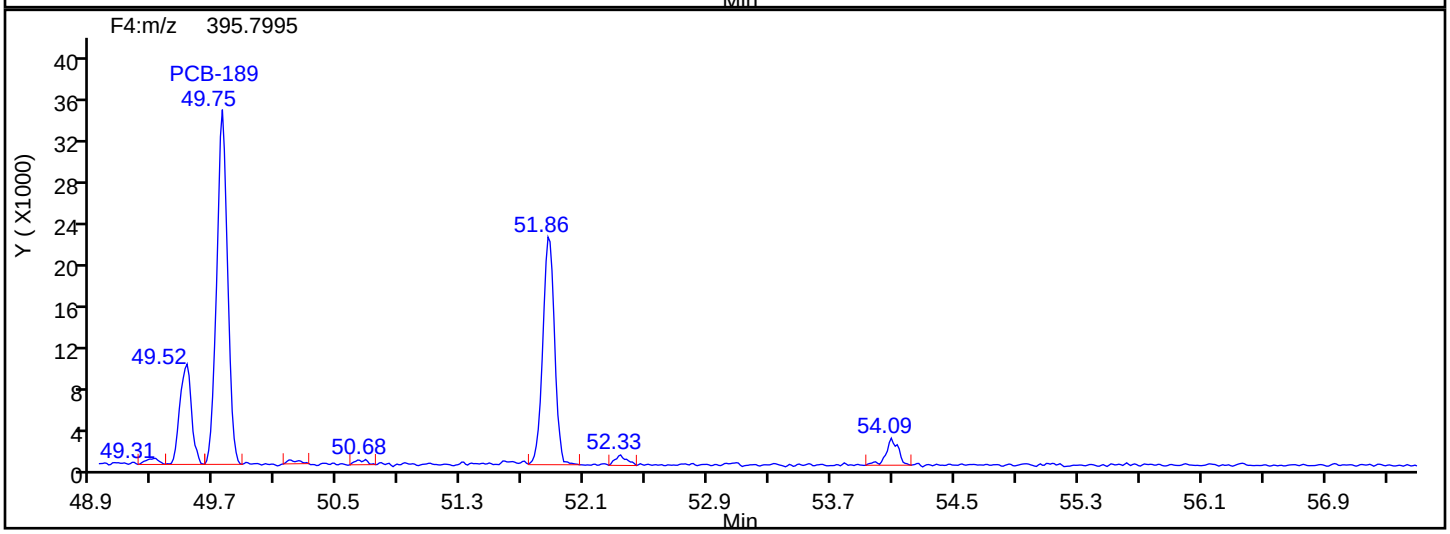



Eurofins TestAmerica, Knoxville

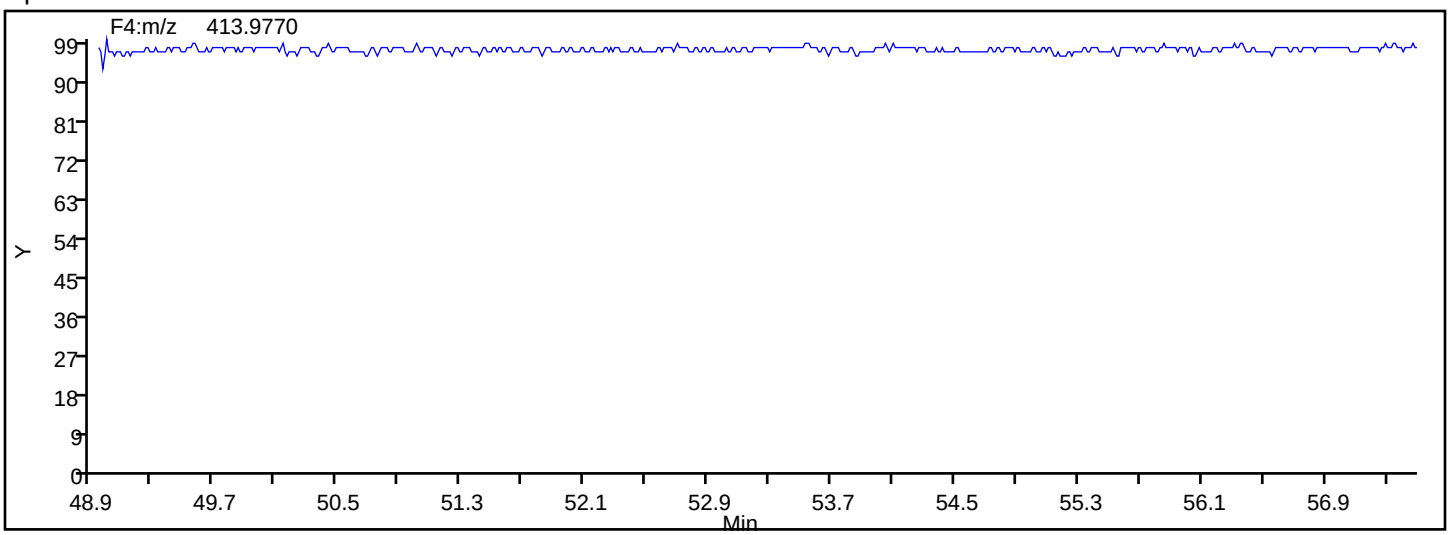
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass

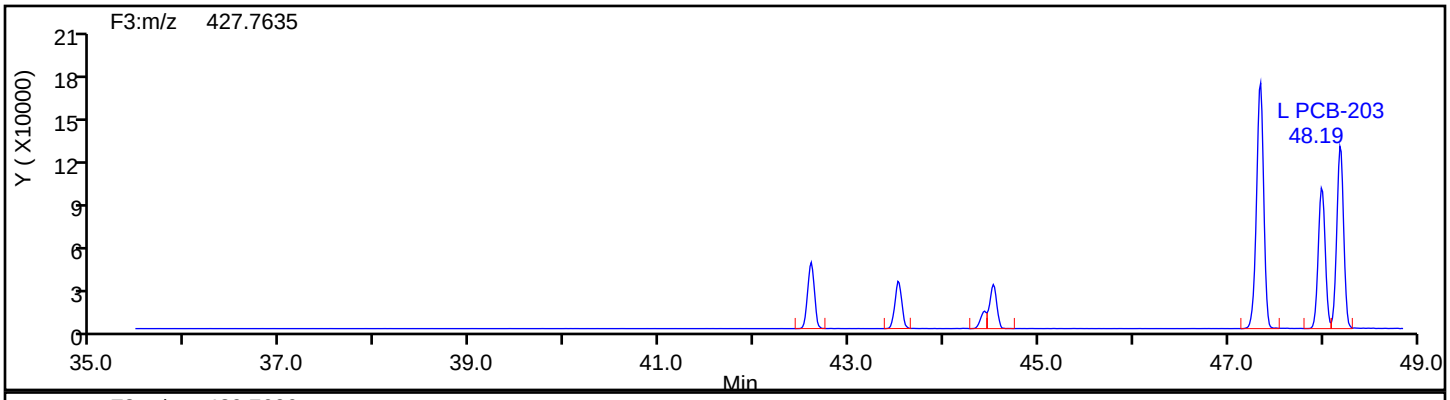


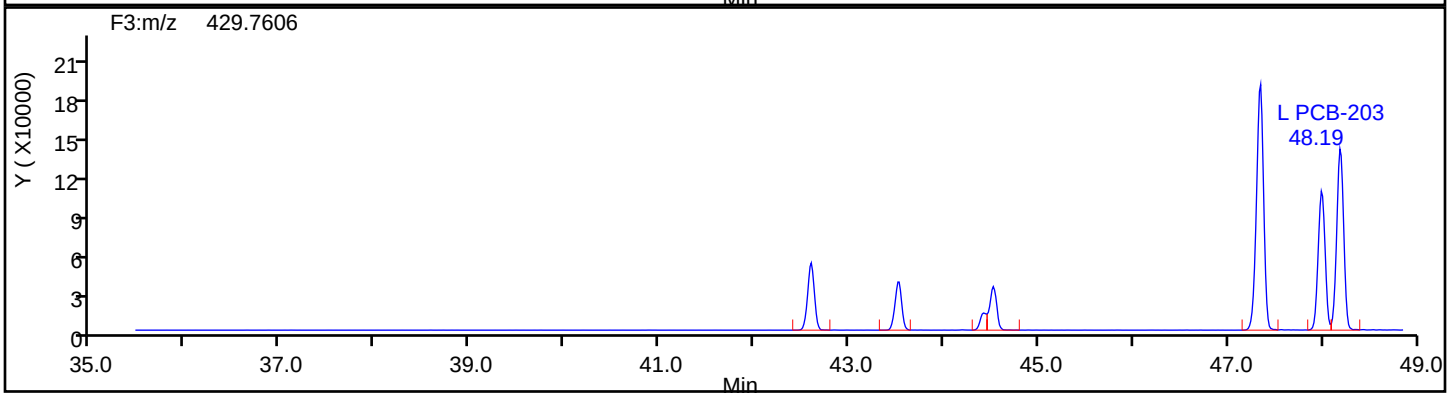
Report Date: 04-Oct-2019 14:11:11 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

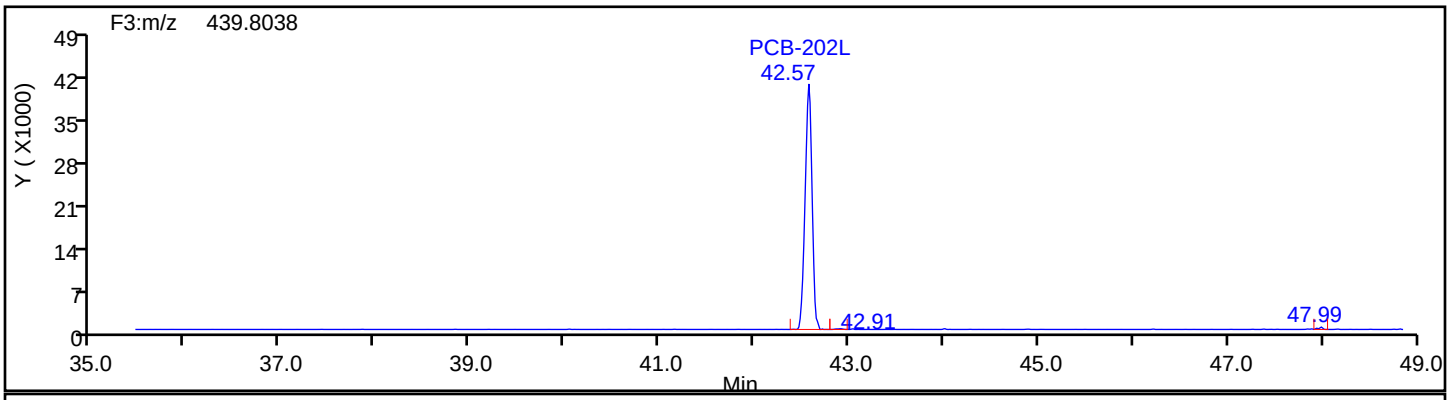
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

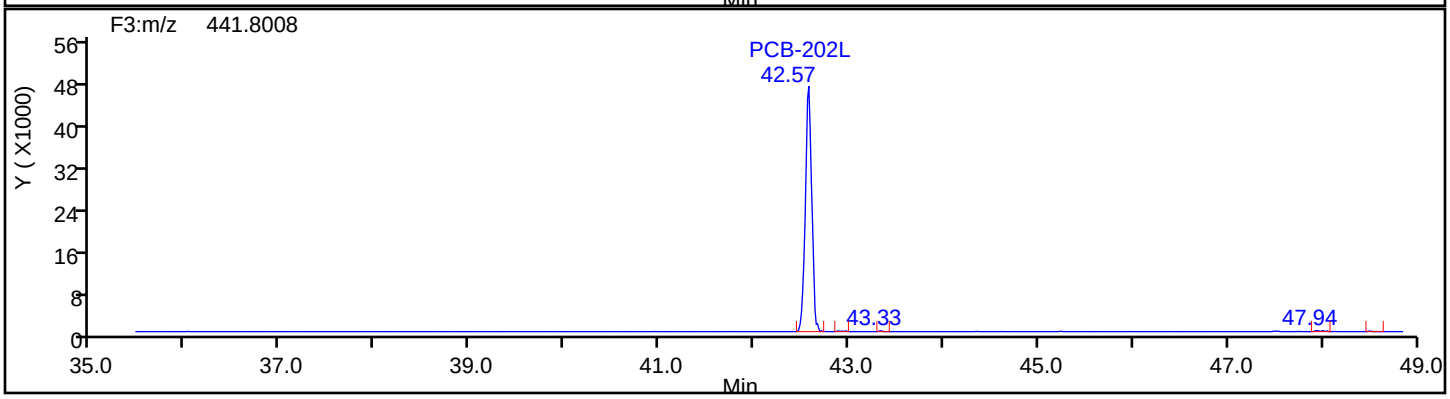
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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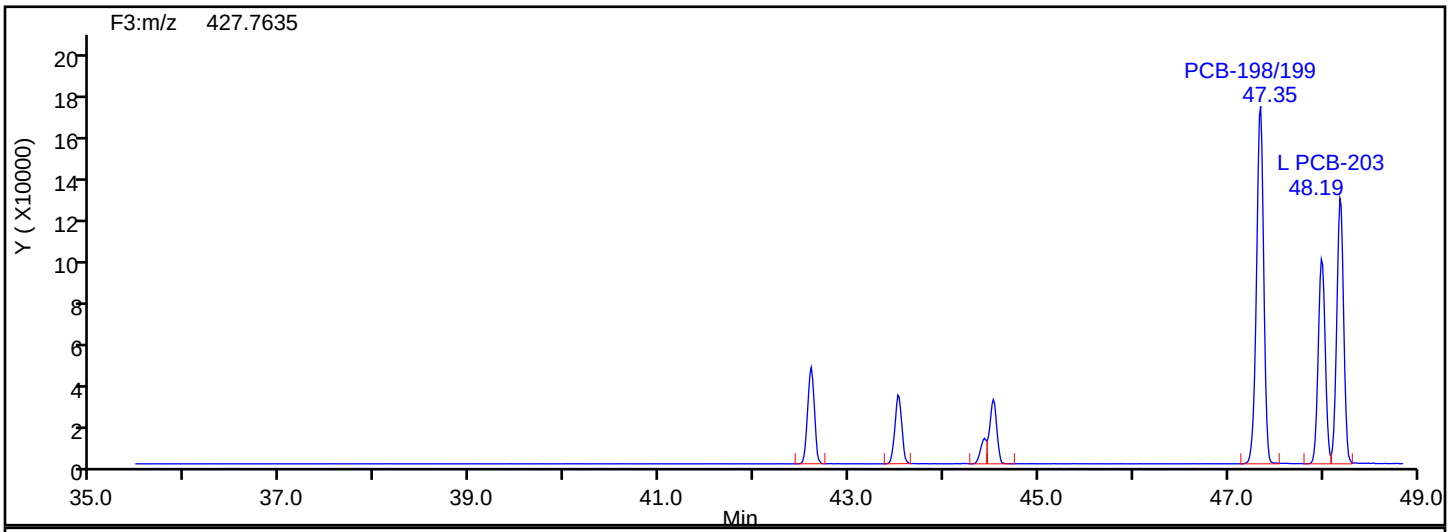
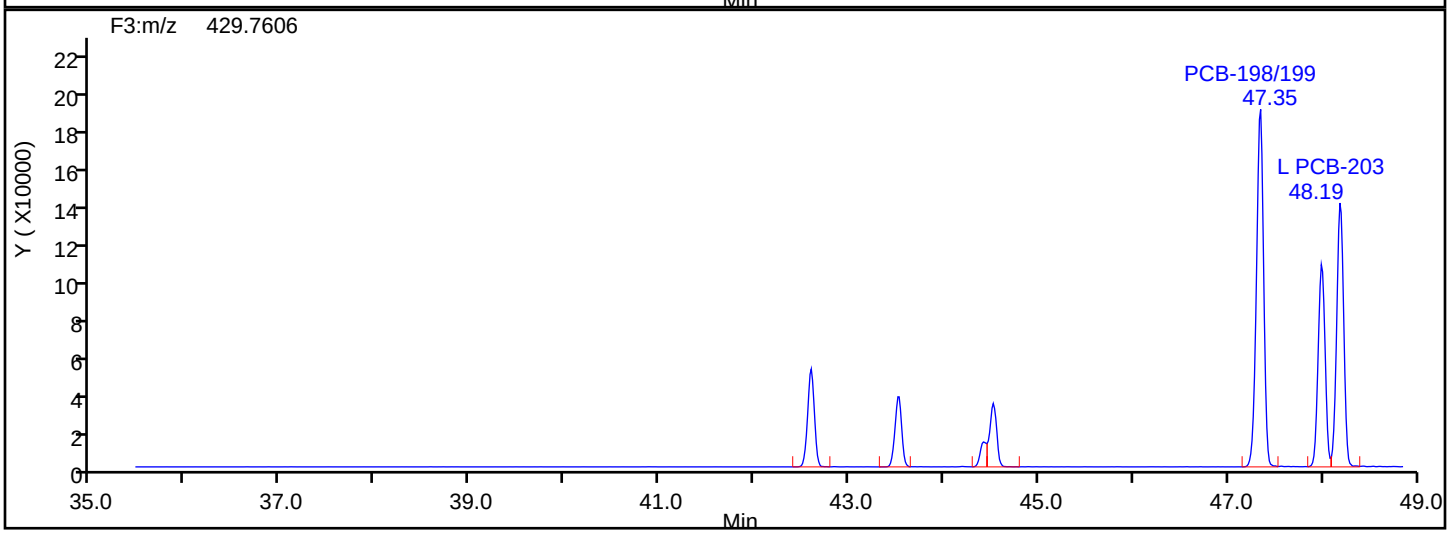
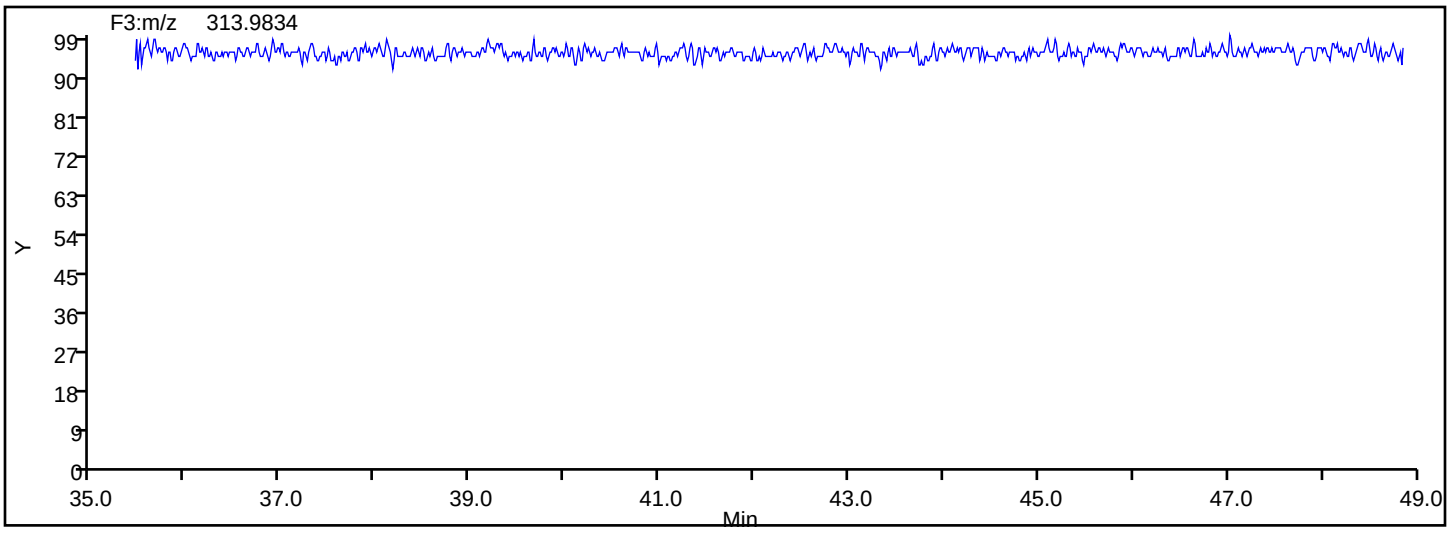
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass

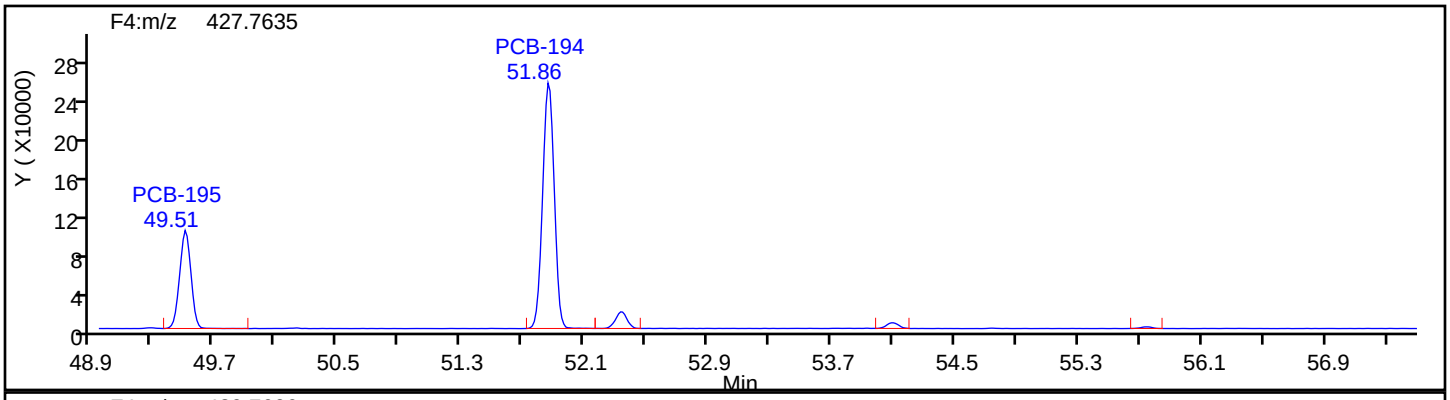


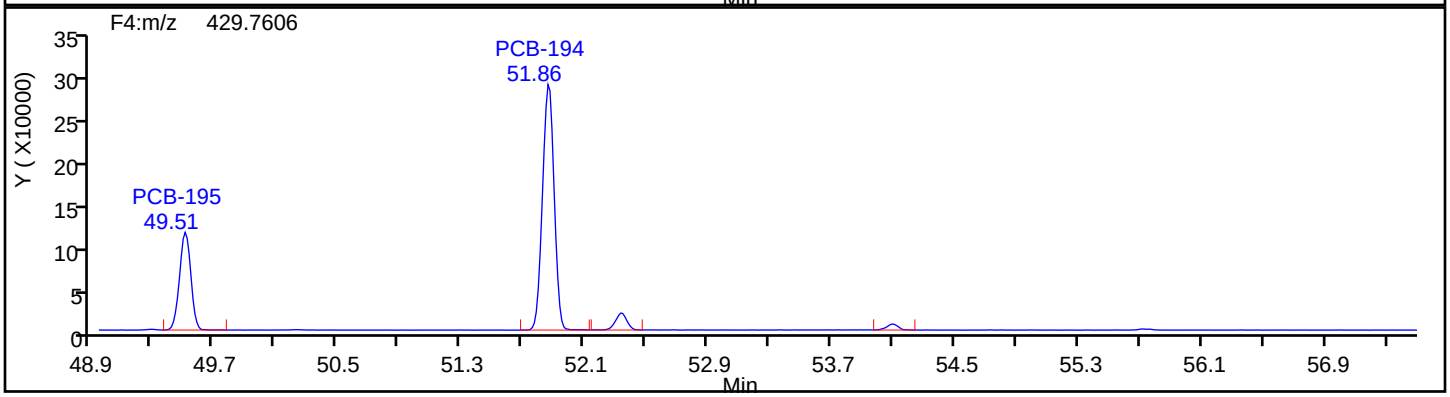
Report Date: 04-Oct-2019 14:11:11 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

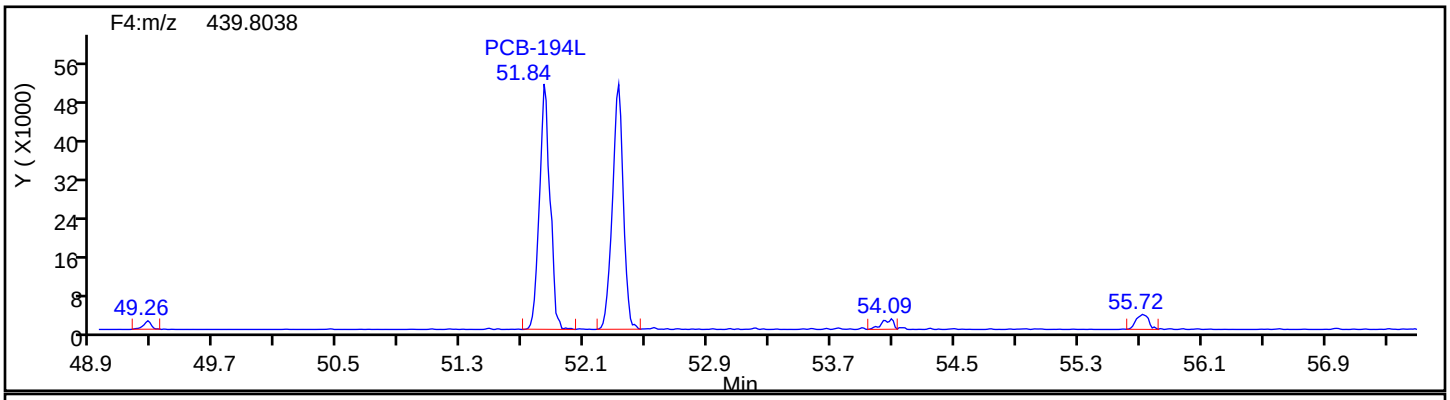
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

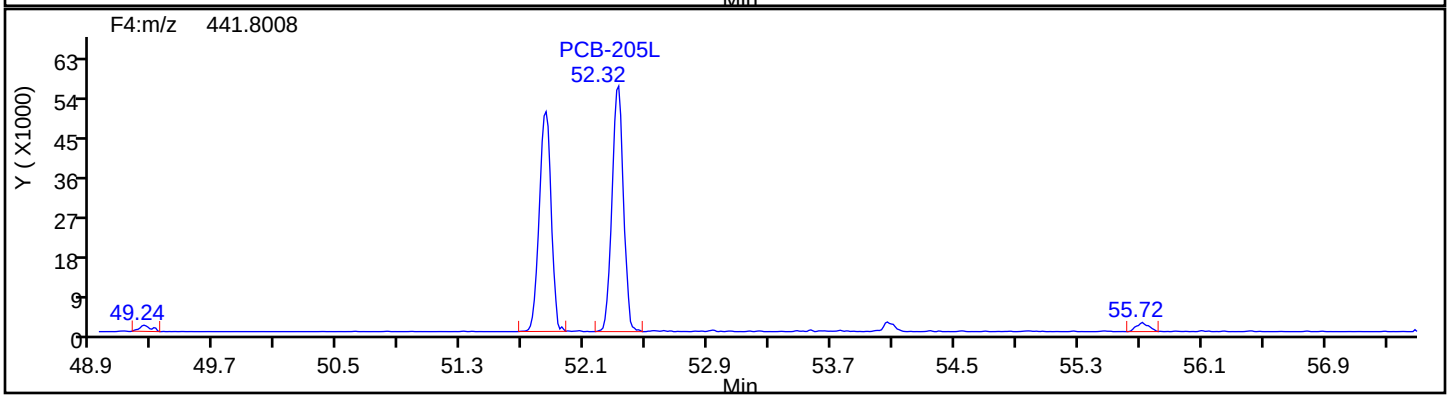
OcPCB F4




OcPCB F4 Standards

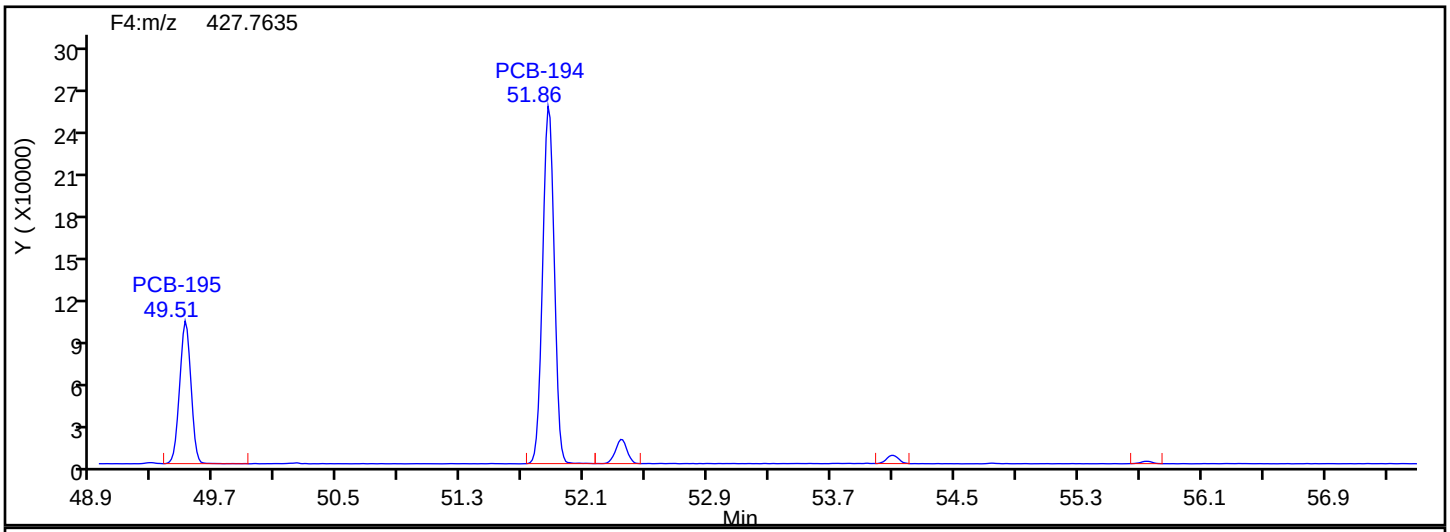


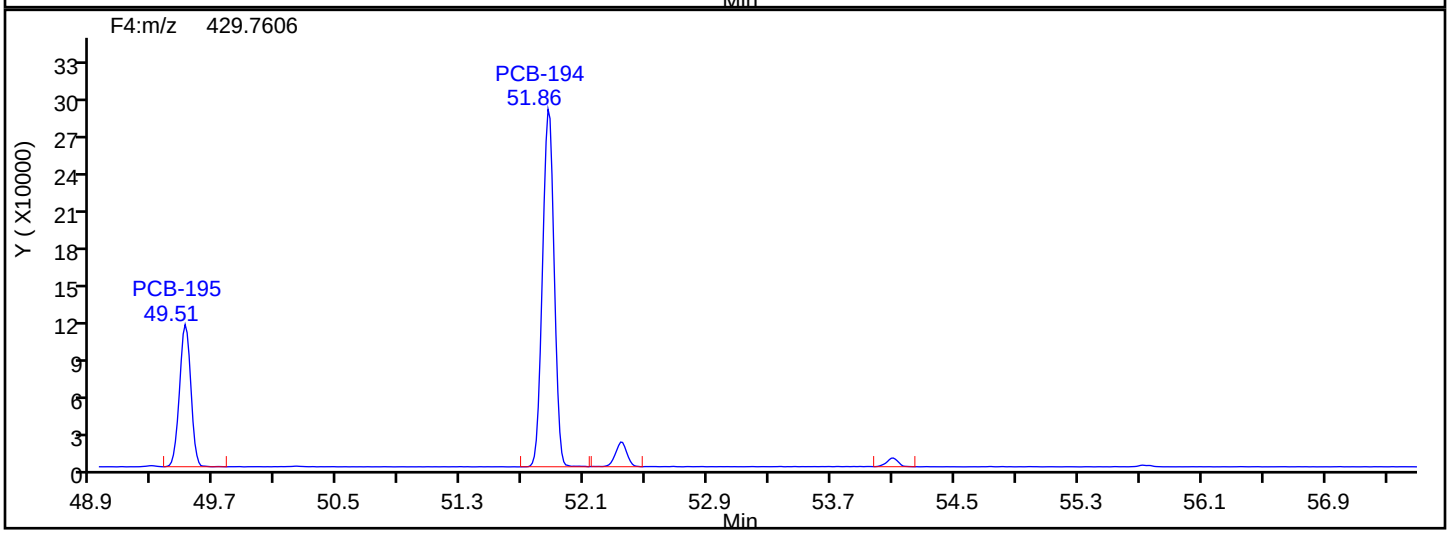



Eurofins TestAmerica, Knoxville

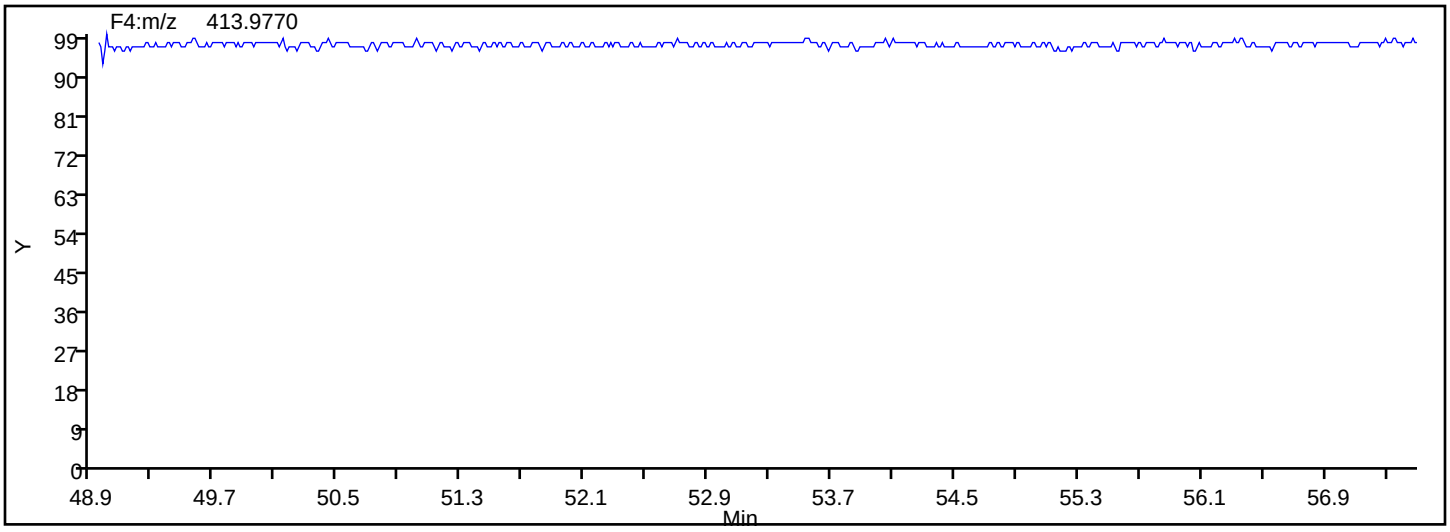
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



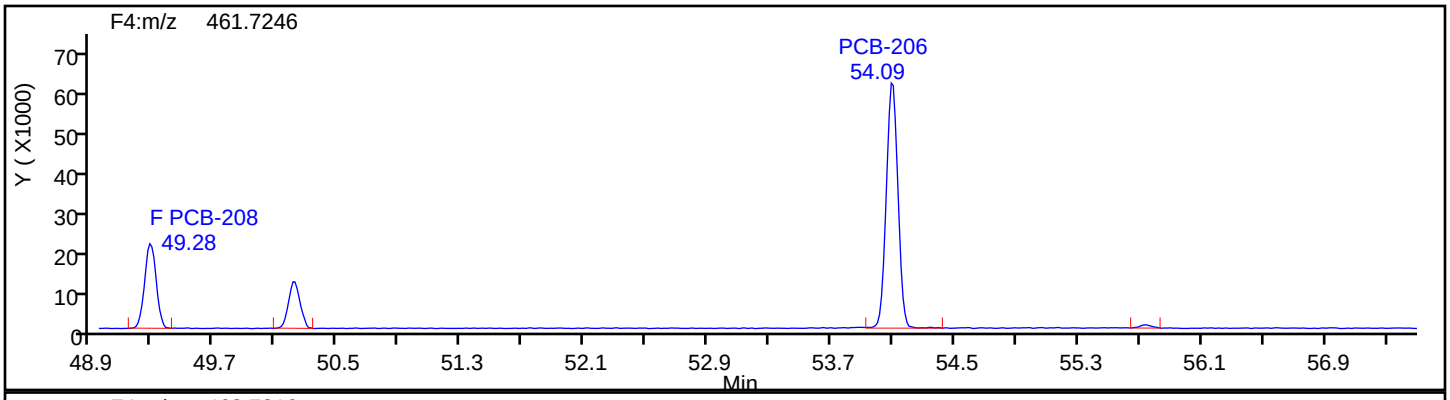

OcPCB F4 Lock Mass

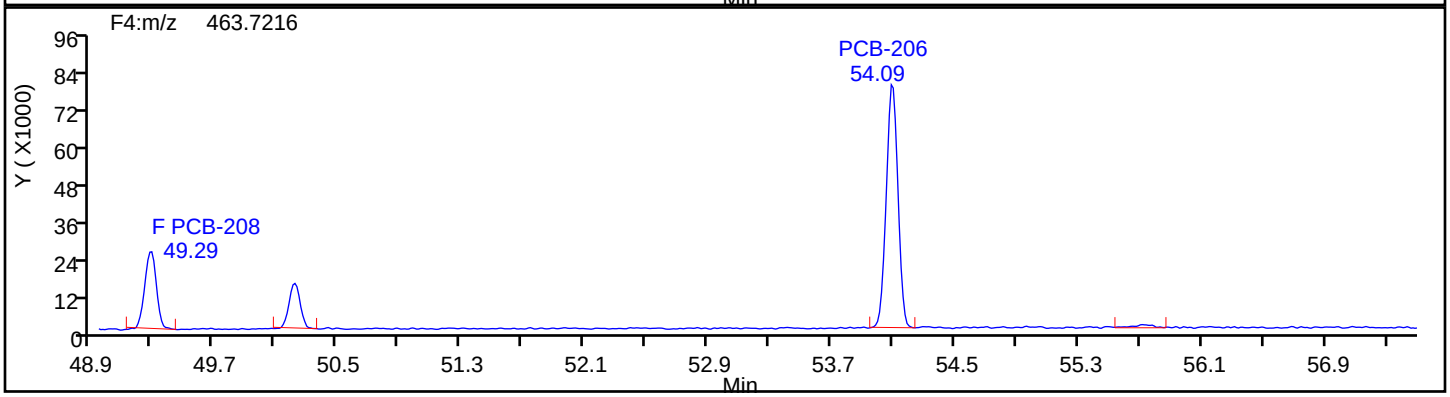


Eurofins TestAmerica, Knoxville

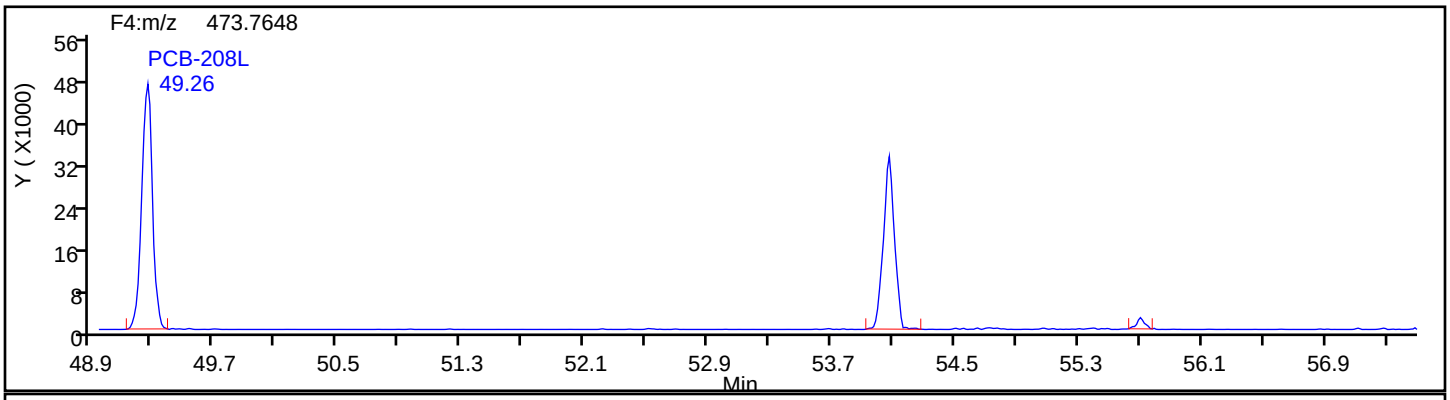
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

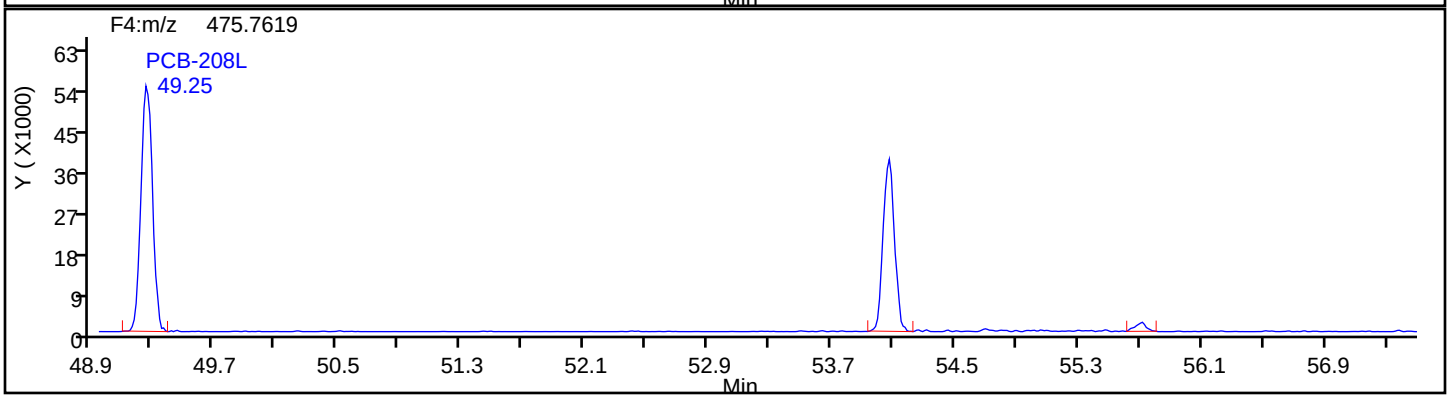
NoPCB F4




NoPCB F4 Standards

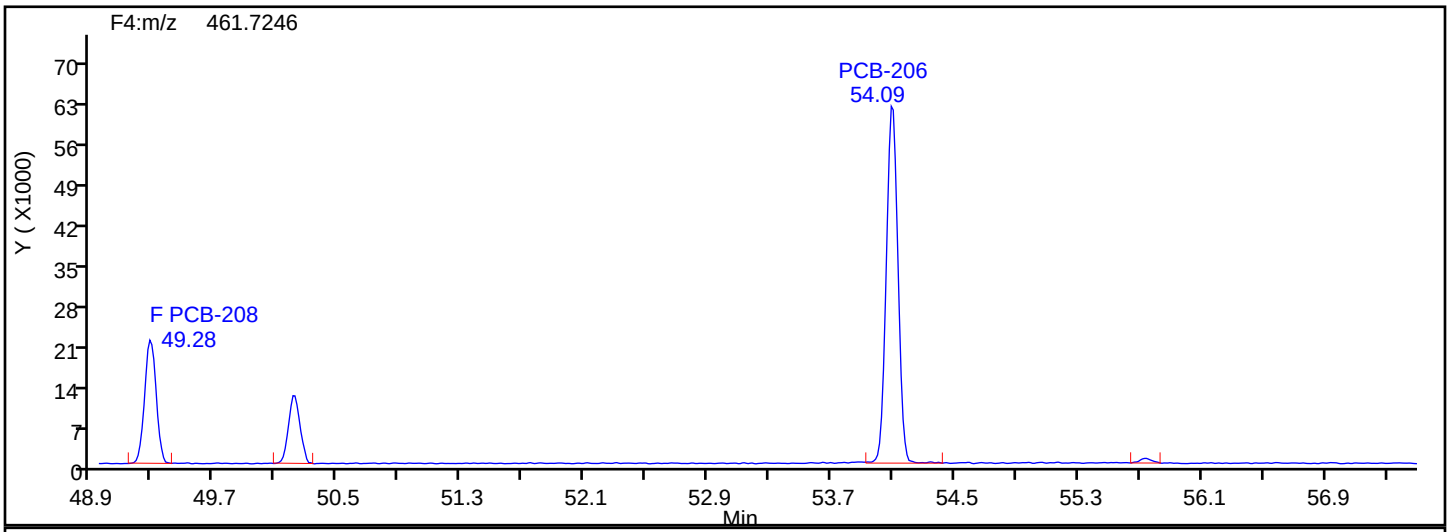


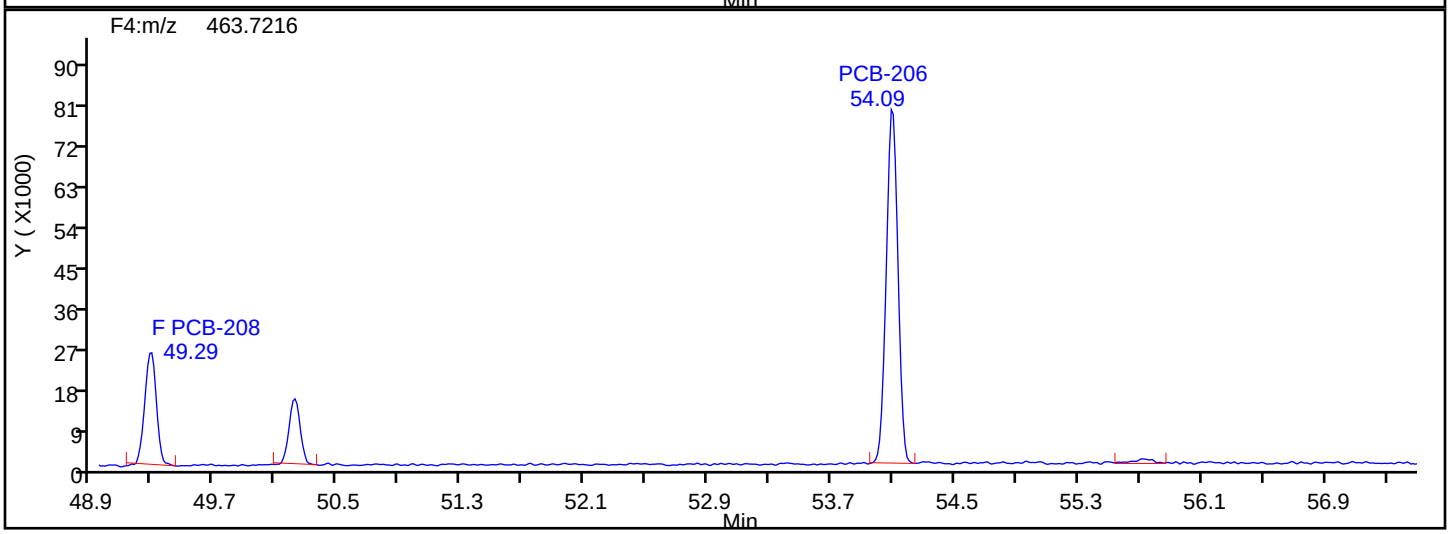



Eurofins TestAmerica, Knoxville

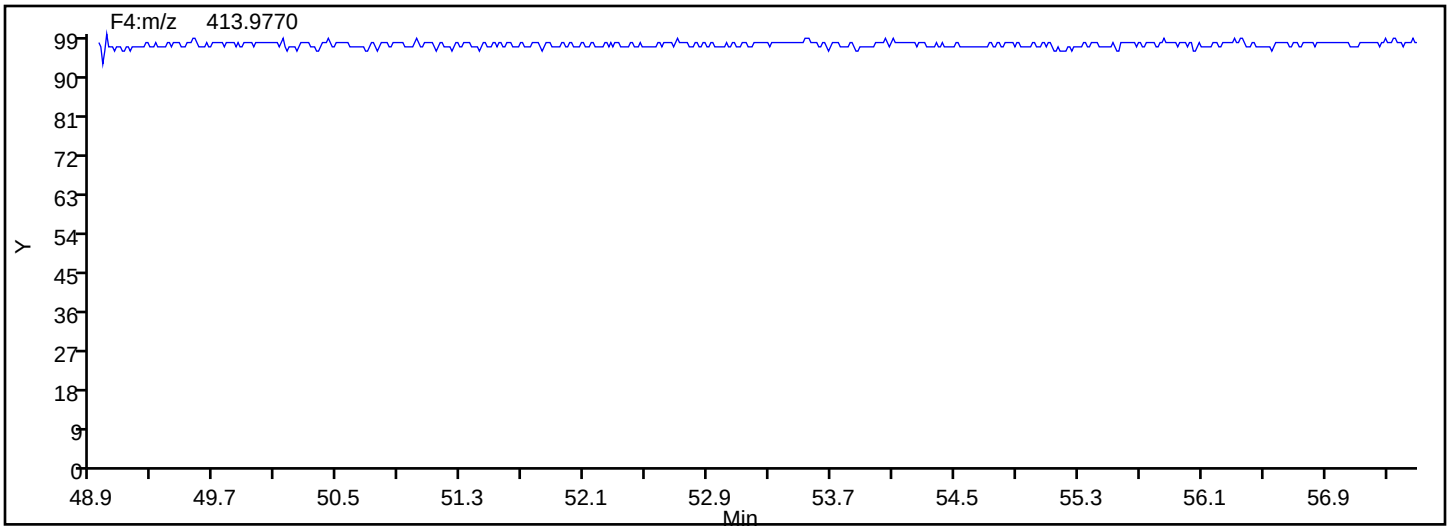
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass

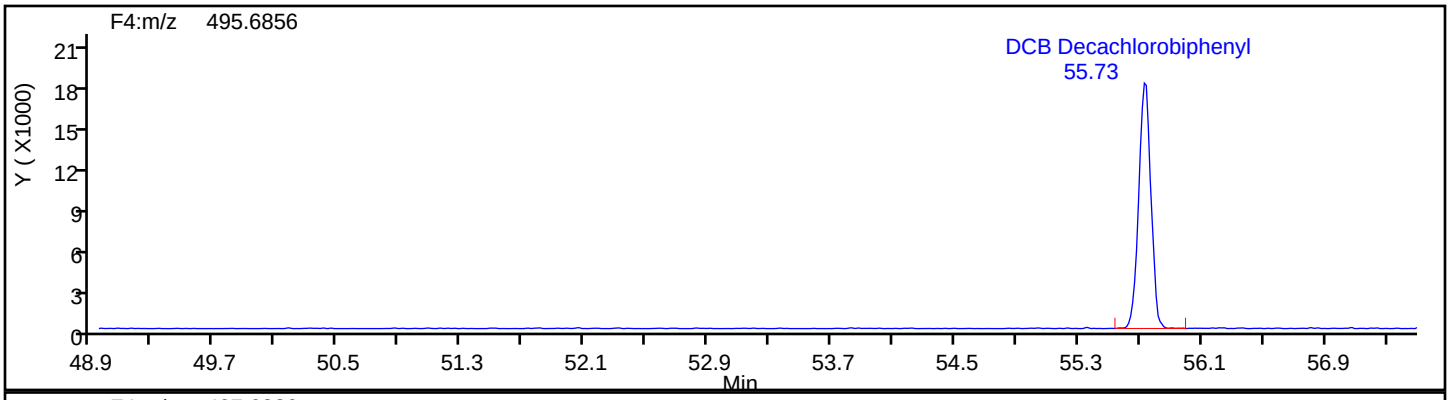


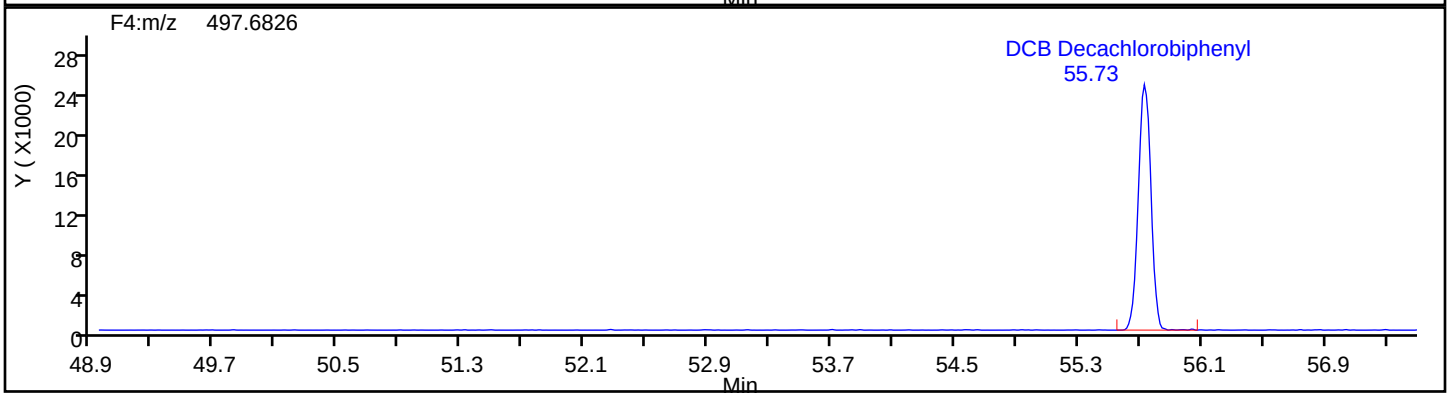
Report Date: 04-Oct-2019 14:11:11 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

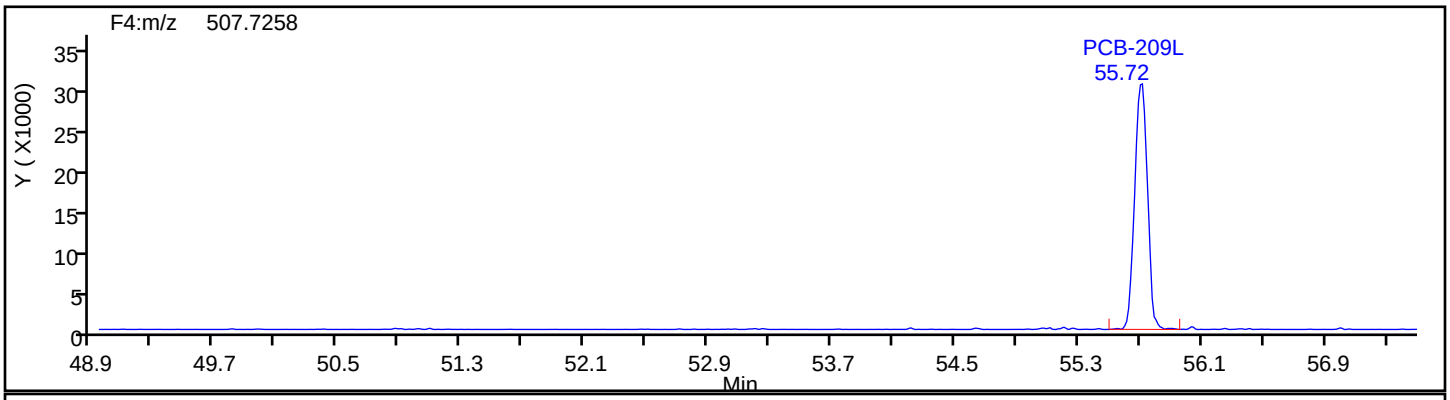
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-35-c.d | | |
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

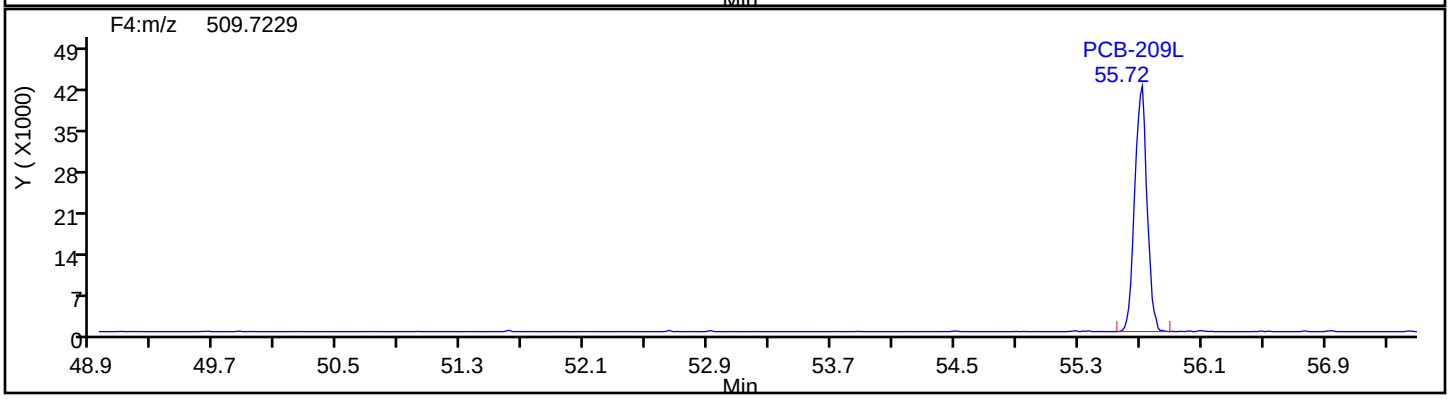
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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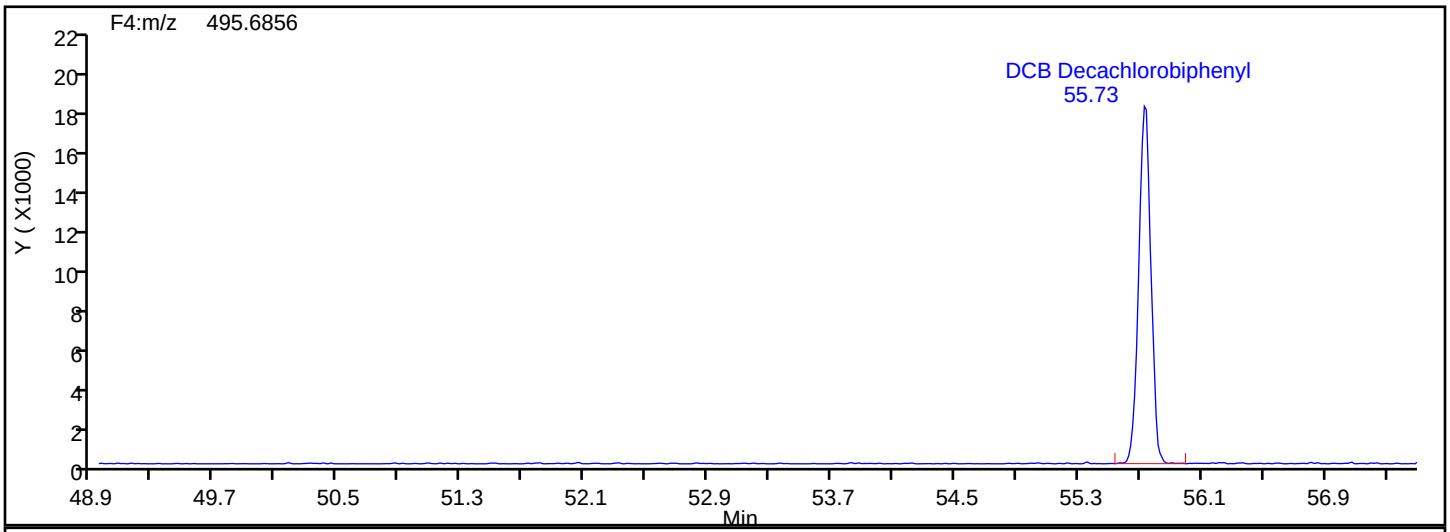
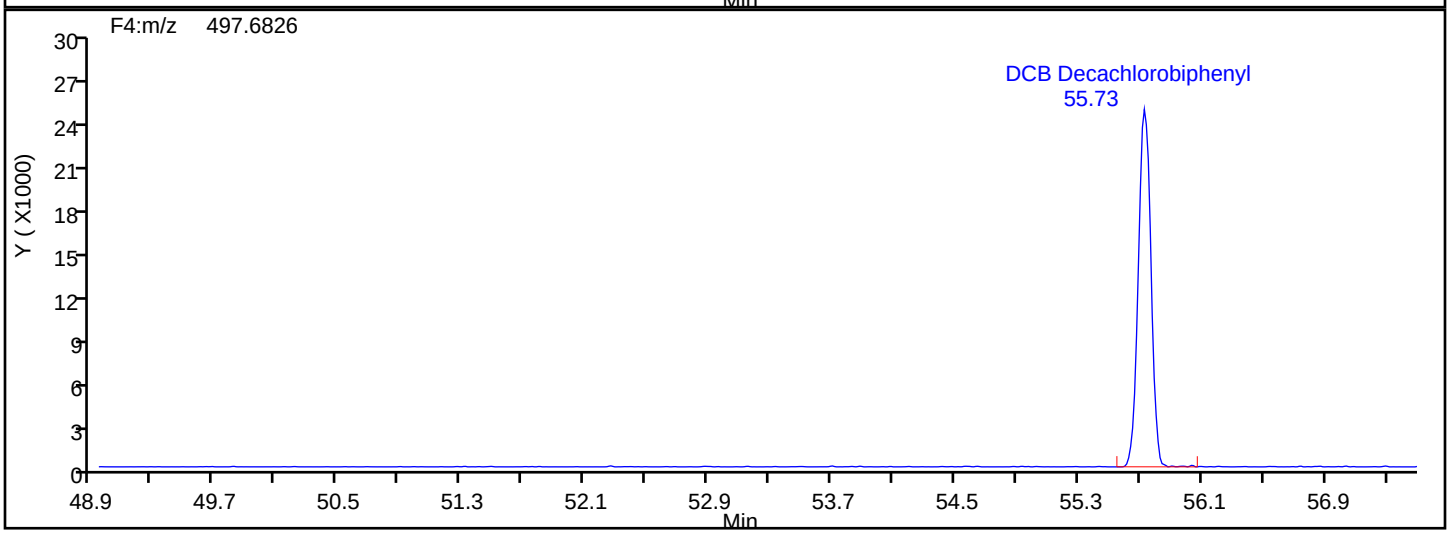
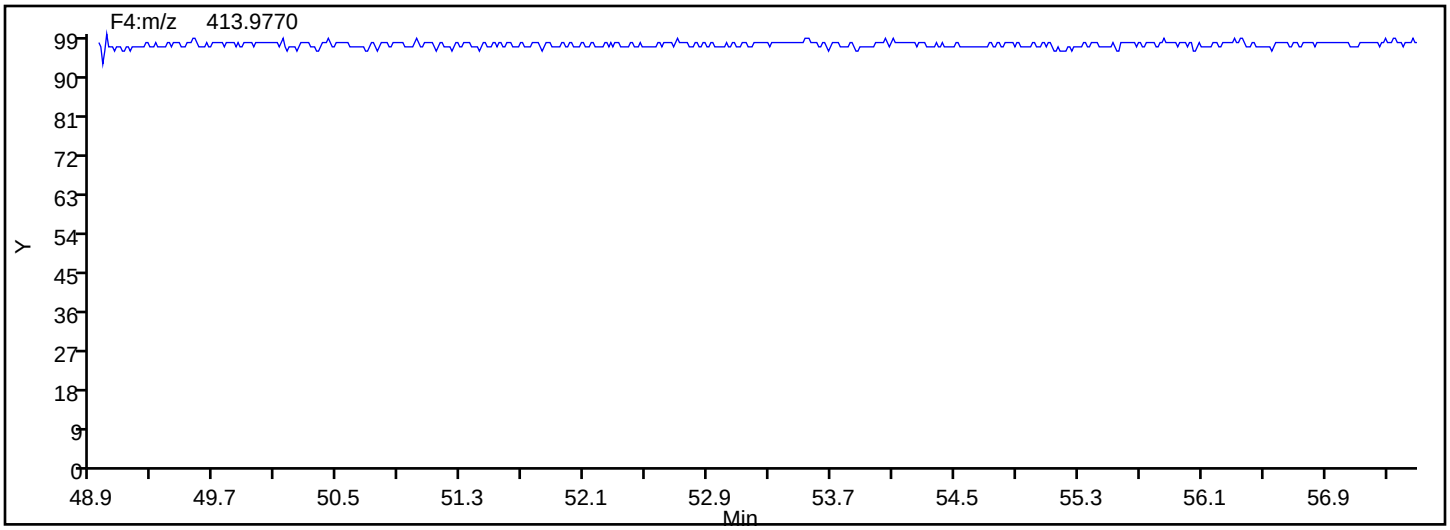
| Injection Date: | 04-Oct-2019 04:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 11 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 1.6 | | 0.053 | 0.0025 |
| 2051-61-8 | PCB-2 | 0.22 | | 0.053 | 0.0026 |
| 2051-62-9 | PCB-3 | 0.68 | | 0.053 | 0.0026 |
| 13029-08-8 | PCB-4 | 0.86 | | 0.11 | 0.0020 |
| 16605-91-7 | PCB-5 | 0.039 | J | 0.053 | 0.0014 |
| 25569-80-6 | PCB-6 | 0.31 | | 0.053 | 0.0014 |
| 33284-50-3 | PCB-7 | 0.083 | | 0.053 | 0.0013 |
| 34883-43-7 | PCB-8 | 1.1 | | 0.11 | 0.0013 |
| 34883-39-1 | PCB-9 | 0.12 | | 0.053 | 0.0015 |
| 33146-45-1 | PCB-10 | 0.048 | J | 0.053 | 0.0014 |
| 2050-67-1 | PCB-11 | 0.15 | B | 0.11 | 0.0013 |
| 2974-92-7 | PCB-12 | 0.14 | C | 0.11 | 0.0013 |
| 2974-90-5 | PCB-13 | 0.14 | C12 | 0.11 | 0.0013 |
| 34883-41-5 | PCB-14 | ND | | 0.053 | 0.0011 |
| 2050-68-2 | PCB-15 | 0.56 | | 0.053 | 0.0013 |
| 38444-78-9 | PCB-16 | 0.46 | | 0.053 | 0.0022 |
| 37680-66-3 | PCB-17 | 1.4 | B | 0.053 | 0.0017 |
| 37680-65-2 | PCB-18 | 1.1 | C B | 0.11 | 0.0015 |
| 38444-73-4 | PCB-19 | 1.1 | | 0.053 | 0.0021 |
| 38444-84-7 | PCB-20 | 3.2 | C B | 0.11 | 0.017 |
| 55702-46-0 | PCB-21 | 1.4 | C B | 0.11 | 0.016 |
| 38444-85-8 | PCB-22 | 0.48 | B | 0.053 | 0.018 |
| 55720-44-0 | PCB-23 | ND | | 0.053 | 0.018 |
| 55702-45-9 | PCB-24 | 0.016 | J | 0.053 | 0.0013 |
| 55712-37-3 | PCB-25 | 0.52 | | 0.053 | 0.017 |
| 38444-81-4 | PCB-26 | 0.39 | C B | 0.11 | 0.017 |
| 38444-76-7 | PCB-27 | 0.26 | | 0.053 | 0.0012 |
| 7012-37-5 | PCB-28 | 3.2 | B C20 | 0.11 | 0.017 |
| 15862-07-4 | PCB-29 | 0.39 | C26 B | 0.11 | 0.017 |
| 35693-92-6 | PCB-30 | 1.1 | C18 B | 0.11 | 0.0015 |
| 16606-02-3 | PCB-31 | 1.9 | B | 0.11 | 0.016 |
| 38444-77-8 | PCB-32 | 3.0 | | 0.053 | 0.0011 |
| 38444-86-9 | PCB-33 | 1.4 | B C21 | 0.11 | 0.016 |
| 37680-68-5 | PCB-34 | 0.021 | J | 0.053 | 0.019 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.085 | | 0.053 | 0.019 |
| 38444-87-0 | PCB-36 | ND | | 0.053 | 0.017 |
| 38444-90-5 | PCB-37 | 0.82 | B | 0.053 | 0.018 |
| 53555-66-1 | PCB-38 | ND | | 0.053 | 0.017 |
| 38444-88-1 | PCB-39 | 0.036 | J | 0.053 | 0.016 |
| 38444-93-8 | PCB-40 | 6.0 | C | 0.16 | 0.013 |
| 52663-59-9 | PCB-41 | 6.0 | C40 | 0.16 | 0.013 |
| 36559-22-5 | PCB-42 | 1.5 | | 0.053 | 0.013 |
| 70362-46-8 | PCB-43 | 1.7 | C | 0.11 | 0.012 |
| 41464-39-5 | PCB-44 | 56 | C B | 0.16 | 0.011 |
| 70362-45-7 | PCB-45 | 27 | C B | 0.11 | 0.013 |
| 41464-47-5 | PCB-46 | 0.72 | | 0.053 | 0.015 |
| 2437-79-8 | PCB-47 | 56 | B C44 | 0.16 | 0.011 |
| 70362-47-9 | PCB-48 | 0.55 | | 0.053 | 0.012 |
| 41464-40-8 | PCB-49 | 22 | C B | 0.11 | 0.010 |
| 62796-65-0 | PCB-50 | 11 | C | 0.11 | 0.012 |
| 68194-04-7 | PCB-51 | 27 | C45 B | 0.11 | 0.013 |
| 35693-99-3 | PCB-52 | 35 | B | 0.053 | 0.013 |
| 41464-41-9 | PCB-53 | 11 | C50 | 0.11 | 0.012 |
| 15968-05-5 | PCB-54 | 3.2 | | 0.053 | 0.0015 |
| 74338-24-2 | PCB-55 | 0.042 | J | 0.053 | 0.0090 |
| 41464-43-1 | PCB-56 | 2.0 | | 0.053 | 0.0092 |
| 70424-67-8 | PCB-57 | ND | | 0.053 | 0.0091 |
| 41464-49-7 | PCB-58 | ND | | 0.053 | 0.0088 |
| 74472-33-6 | PCB-59 | 1.5 | C | 0.16 | 0.0086 |
| 33025-41-1 | PCB-60 | 0.64 | | 0.053 | 0.0088 |
| 33284-53-6 | PCB-61 | 21 | C B | 0.21 | 0.0086 |
| 54230-22-7 | PCB-62 | 1.5 | C59 | 0.16 | 0.0086 |
| 74472-34-7 | PCB-63 | 0.50 | | 0.053 | 0.0080 |
| 52663-58-8 | PCB-64 | 2.9 | | 0.053 | 0.0082 |
| 33284-54-7 | PCB-65 | 56 | B C44 | 0.16 | 0.011 |
| 32598-10-0 | PCB-66 | 6.8 | B | 0.053 | 0.0091 |
| 73575-53-8 | PCB-67 | 0.30 | | 0.053 | 0.0084 |
| 73575-52-7 | PCB-68 | 0.67 | B | 0.053 | 0.0079 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 22 | B C49 | 0.11 | 0.010 |
| 32598-11-1 | PCB-70 | 21 | C61 B | 0.21 | 0.0086 |
| 41464-46-4 | PCB-71 | 6.0 | C40 | 0.16 | 0.013 |
| 41464-42-0 | PCB-72 | 0.30 | | 0.053 | 0.0089 |
| 74338-23-1 | PCB-73 | 1.7 | C43 | 0.11 | 0.012 |
| 32690-93-0 | PCB-74 | 21 | C61 B | 0.21 | 0.0086 |
| 32598-12-2 | PCB-75 | 1.5 | C59 | 0.16 | 0.0086 |
| 70362-48-0 | PCB-76 | 21 | C61 B | 0.21 | 0.0086 |
| 32598-13-3 | PCB-77 | 1.4 | | 0.053 | 0.0086 |
| 70362-49-1 | PCB-78 | ND | | 0.053 | 0.0089 |
| 41464-48-6 | PCB-79 | 0.39 | | 0.053 | 0.0076 |
| 33284-52-5 | PCB-80 | ND | | 0.053 | 0.0080 |
| 70362-50-4 | PCB-81 | 0.046 | J q | 0.053 | 0.0091 |
| 52663-62-4 | PCB-82 | 5.8 | B | 0.053 | 0.0017 |
| 60145-20-2 | PCB-83 | 34 | C B | 0.11 | 0.0015 |
| 52663-60-2 | PCB-84 | 16 | B | 0.053 | 0.0017 |
| 65510-45-4 | PCB-85 | 9.1 | C | 0.16 | 0.0012 |
| 55312-69-1 | PCB-86 | 38 | C B | 0.32 | 0.0012 |
| 38380-02-8 | PCB-87 | 38 | B C86 | 0.32 | 0.0012 |
| 55215-17-3 | PCB-88 | 16 | C B | 0.11 | 0.0014 |
| 73575-57-2 | PCB-89 | 0.41 | | 0.053 | 0.0016 |
| 68194-07-0 | PCB-90 | 69 | C B | 0.16 | 0.0013 |
| 68194-05-8 | PCB-91 | 16 | C88 B | 0.11 | 0.0014 |
| 52663-61-3 | PCB-92 | 15 | B | 0.053 | 0.0015 |
| 73575-56-1 | PCB-93 | 11 | C | 0.11 | 0.0015 |
| 73575-55-0 | PCB-94 | 2.9 | | 0.053 | 0.0016 |
| 38379-99-6 | PCB-95 | 51 | B | 0.053 | 0.0015 |
| 73575-54-9 | PCB-96 | 1.9 | | 0.053 | 0.0012 |
| 41464-51-1 | PCB-97 | 38 | B C86 | 0.32 | 0.0012 |
| 60233-25-2 | PCB-98 | 3.2 | C | 0.11 | 0.0015 |
| 38380-01-7 | PCB-99 | 34 | C83 B | 0.11 | 0.0015 |
| 39485-83-1 | PCB-100 | 11 | C93 | 0.11 | 0.0015 |
| 37680-73-2 | PCB-101 | 69 | B C90 | 0.16 | 0.0013 |
| 68194-06-9 | PCB-102 | 3.2 | C98 | 0.11 | 0.0015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 3.6 | | 0.053 | 0.0014 |
| 56558-16-8 | PCB-104 | 0.74 | | 0.053 | 0.0010 |
| 32598-14-4 | PCB-105 | 16 | B | 0.053 | 0.044 |
| 70424-69-0 | PCB-106 | ND | | 0.053 | 0.046 |
| 70424-68-9 | PCB-107 | 3.7 | B | 0.053 | 0.043 |
| 70362-41-3 | PCB-108 | 2.0 | C | 0.11 | 0.047 |
| 74472-35-8 | PCB-109 | 38 | B C86 | 0.32 | 0.0012 |
| 38380-03-9 | PCB-110 | 59 | C B | 0.11 | 0.0011 |
| 39635-32-0 | PCB-111 | 0.25 | | 0.053 | 0.0010 |
| 74472-36-9 | PCB-112 | ND | | 0.053 | 0.0011 |
| 68194-10-5 | PCB-113 | 69 | B C90 | 0.16 | 0.0013 |
| 74472-37-0 | PCB-114 | 0.95 | | 0.053 | 0.044 |
| 74472-38-1 | PCB-115 | 59 | B C110 | 0.11 | 0.0011 |
| 18259-05-7 | PCB-116 | 9.1 | C85 | 0.16 | 0.0012 |
| 68194-11-6 | PCB-117 | 9.1 | C85 | 0.16 | 0.0012 |
| 31508-00-6 | PCB-118 | 43 | B | 0.053 | 0.044 |
| 56558-17-9 | PCB-119 | 38 | B C86 | 0.32 | 0.0012 |
| 68194-12-7 | PCB-120 | 0.40 | | 0.053 | 0.00097 |
| 56558-18-0 | PCB-121 | 0.30 | | 0.053 | 0.0010 |
| 76842-07-4 | PCB-122 | 0.54 | B | 0.053 | 0.050 |
| 65510-44-3 | PCB-123 | 0.62 | | 0.053 | 0.043 |
| 70424-70-3 | PCB-124 | 2.0 | C108 | 0.11 | 0.047 |
| 74472-39-2 | PCB-125 | 38 | B C86 | 0.32 | 0.0012 |
| 57465-28-8 | PCB-126 | 0.25 | | 0.053 | 0.045 |
| 39635-33-1 | PCB-127 | ND | | 0.053 | 0.045 |
| 38380-07-3 | PCB-128 | 9.2 | C B | 0.11 | 0.0096 |
| 55215-18-4 | PCB-129 | 58 | C B | 0.21 | 0.0099 |
| 52663-66-8 | PCB-130 | 4.3 | B | 0.053 | 0.013 |
| 61798-70-7 | PCB-131 | 0.95 | | 0.053 | 0.012 |
| 38380-05-1 | PCB-132 | 21 | B | 0.053 | 0.012 |
| 35694-04-3 | PCB-133 | 2.4 | | 0.053 | 0.012 |
| 52704-70-8 | PCB-134 | 4.4 | C | 0.11 | 0.013 |
| 52744-13-5 | PCB-135 | 26 | C B | 0.11 | 0.0010 |
| 38411-22-2 | PCB-136 | 10 | B | 0.053 | 0.00075 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 2.7 | | 0.053 | 0.010 |
| 35065-28-2 | PCB-138 | 58 | B C129 | 0.21 | 0.0099 |
| 56030-56-9 | PCB-139 | 1.5 | C | 0.11 | 0.011 |
| 59291-64-4 | PCB-140 | 1.5 | C139 | 0.11 | 0.011 |
| 52712-04-6 | PCB-141 | 9.9 | B | 0.053 | 0.011 |
| 41411-61-4 | PCB-142 | ND | | 0.053 | 0.012 |
| 68194-15-0 | PCB-143 | 4.4 | C134 | 0.11 | 0.013 |
| 68194-14-9 | PCB-144 | 2.6 | | 0.053 | 0.00095 |
| 74472-40-5 | PCB-145 | 0.037 | J q | 0.053 | 0.00073 |
| 51908-16-8 | PCB-146 | 12 | B | 0.053 | 0.011 |
| 68194-13-8 | PCB-147 | 55 | C B | 0.11 | 0.011 |
| 74472-41-6 | PCB-148 | 0.85 | | 0.053 | 0.00097 |
| 38380-04-0 | PCB-149 | 55 | B C147 | 0.11 | 0.011 |
| 68194-08-1 | PCB-150 | 1.0 | | 0.053 | 0.00071 |
| 52663-63-5 | PCB-151 | 26 | C135 B | 0.11 | 0.0010 |
| 68194-09-2 | PCB-152 | 1.0 | | 0.053 | 0.00069 |
| 35065-27-1 | PCB-153 | 45 | C B | 0.11 | 0.0088 |
| 60145-22-4 | PCB-154 | 3.0 | | 0.053 | 0.00086 |
| 33979-03-2 | PCB-155 | 0.096 | | 0.053 | 0.00067 |
| 38380-08-4 | PCB-156 | 7.1 | C B | 0.11 | 0.0098 |
| 69782-90-7 | PCB-157 | 7.1 | C156 B | 0.11 | 0.0098 |
| 74472-42-7 | PCB-158 | 6.0 | B | 0.053 | 0.0077 |
| 39635-35-3 | PCB-159 | 0.42 | | 0.053 | 0.0081 |
| 41411-62-5 | PCB-160 | 58 | B C129 | 0.21 | 0.0099 |
| 74472-43-8 | PCB-161 | ND | | 0.053 | 0.0080 |
| 39635-34-2 | PCB-162 | ND | | 0.053 | 0.0079 |
| 74472-44-9 | PCB-163 | 58 | B C129 | 0.21 | 0.0099 |
| 74472-45-0 | PCB-164 | 4.2 | B | 0.053 | 0.0086 |
| 74472-46-1 | PCB-165 | 0.32 | | 0.053 | 0.0096 |
| 41411-63-6 | PCB-166 | 9.2 | C128 B | 0.11 | 0.0096 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 2.2 | B | 0.053 | 0.0071 |
| 59291-65-5 | PCB-168 | 45 | B C153 | 0.11 | 0.0088 |
| 32774-16-6 | PCB-169 | ND | | 0.053 | 0.0072 |
| 35065-30-6 | PCB-170 | 14 | B | 0.053 | 0.00046 |
| 52663-71-5 | PCB-171 | 4.9 | C B | 0.11 | 0.00047 |
| 52663-74-8 | PCB-172 | 2.4 | B | 0.053 | 0.00046 |
| 68194-16-1 | PCB-173 | 4.9 | C171 B | 0.11 | 0.00047 |
| 38411-25-5 | PCB-174 | 14 | B | 0.053 | 0.00048 |
| 40186-70-7 | PCB-175 | 0.60 | | 0.053 | 0.00043 |
| 52663-65-7 | PCB-176 | 1.8 | B | 0.053 | 0.00030 |
| 52663-70-4 | PCB-177 | 9.7 | B | 0.053 | 0.00048 |
| 52663-67-9 | PCB-178 | 4.2 | B | 0.053 | 0.00044 |
| 52663-64-6 | PCB-179 | 7.2 | B | 0.053 | 0.00032 |
| 35065-29-3 | PCB-180 | 29 | C B | 0.11 | 0.00037 |
| 74472-47-2 | PCB-181 | 0.20 | | 0.053 | 0.00041 |
| 60145-23-5 | PCB-182 | 0.27 | | 0.053 | 0.00040 |
| 52663-69-1 | PCB-183 | 9.0 | C B | 0.11 | 0.00040 |
| 74472-48-3 | PCB-184 | ND | | 0.053 | 0.00032 |
| 52712-05-7 | PCB-185 | 9.0 | B C183 | 0.11 | 0.00040 |
| 74472-49-4 | PCB-186 | ND | | 0.053 | 0.00032 |
| 52663-68-0 | PCB-187 | 18 | B | 0.053 | 0.00041 |
| 74487-85-7 | PCB-188 | 0.29 | | 0.053 | 0.00030 |
| 39635-31-9 | PCB-189 | 0.61 | B | 0.053 | 0.0040 |
| 41411-64-7 | PCB-190 | 2.8 | B | 0.053 | 0.00033 |
| 74472-50-7 | PCB-191 | 0.65 | | 0.053 | 0.00033 |
| 74472-51-8 | PCB-192 | ND | | 0.053 | 0.00035 |
| 69782-91-8 | PCB-193 | 29 | C180 B | 0.11 | 0.00037 |
| 35694-08-7 | PCB-194 | 7.1 | B | 0.053 | 0.0054 |
| 52663-78-2 | PCB-195 | 3.3 | B | 0.053 | 0.0064 |
| 42740-50-1 | PCB-196 | 3.4 | B | 0.053 | 0.00038 |
| 33091-17-7 | PCB-197 | 0.25 | B | 0.053 | 0.00027 |
| 68194-17-2 | PCB-198 | 6.4 | C B | 0.11 | 0.00040 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 6.4 | C198 B | 0.11 | 0.00040 |
| 52663-73-7 | PCB-200 | 0.81 | | 0.053 | 0.00029 |
| 40186-71-8 | PCB-201 | 0.83 | B | 0.053 | 0.00028 |
| 2136-99-4 | PCB-202 | 1.4 | B | 0.053 | 0.00031 |
| 52663-76-0 | PCB-203 | 4.2 | | 0.053 | 0.00036 |
| 74472-52-9 | PCB-204 | ND | | 0.053 | 0.00030 |
| 74472-53-0 | PCB-205 | 0.37 | | 0.053 | 0.0041 |
| 40186-72-9 | PCB-206 | 2.0 | | 0.053 | 0.0093 |
| 52663-79-3 | PCB-207 | 0.28 | | 0.053 | 0.0065 |
| 52663-77-1 | PCB-208 | 0.48 | | 0.053 | 0.0067 |
| 2051-24-3 | PCB-209 | 0.50 | | 0.053 | 0.00085 |
| 27323-18-8 | Total Monochlorobiphenyls | 2.5 | | 0.053 | 0.0026 |
| 25512-42-9 | Total Dichlorobiphenyls | 3.4 | B | 0.11 | 0.0014 |
| 25323-68-6 | Total Trichlorobiphenyls | 16 | B | 0.11 | 0.012 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 200 | B q | 0.21 | 0.0097 |
| 25429-29-2 | Total Pentachlorobiphenyls | 400 | B | 0.32 | 0.015 |
| 26601-64-9 | Total Hexachlorobiphenyls | 290 | B q | 0.21 | 0.0074 |
| 28655-71-2 | Total Heptachlorobiphenyls | 120 | B | 0.11 | 0.00056 |
| 55722-26-4 | Total Octachlorobiphenyls | 28 | B | 0.11 | 0.0017 |
| 53742-07-7 | Total Nonachlorobiphenyls | 2.8 | | 0.053 | 0.0075 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 1100 | B q | 0.32 | 0.0063 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-00to10-82719 RE  Lab Sample ID: 580-88908-35 RE

Matrix: Solid  Lab File ID: 580-88908-a-35-fa_191011160059

Analysis Method: 1668A  Date Collected: 08/27/2019 14:45

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 20.93(g)  Date Analyzed: 10/11/2019 16:00

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 54.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34365  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 64 | | 30-140 |
| 208263-77-8 | PCB-3L | 67 | | 30-140 |
| 234432-86-1 | PCB-4L | 74 | | 30-140 |
| 208263-67-6 | PCB-15L | 80 | | 30-140 |
| 234432-87-2 | PCB-19L | 79 | | 30-140 |
| 208263-79-0 | PCB-37L | 91 | | 30-140 |
| 234432-88-3 | PCB-54L | 80 | | 30-140 |
| 105600-23-5 | PCB-77L | 92 | | 30-140 |
| 208461-24-9 | PCB-81L | 88 | | 30-140 |
| 234432-89-4 | PCB-104L | 90 | | 30-140 |
| 208263-62-1 | PCB-105L | 85 | | 30-140 |
| 208263-63-2 | PCB-114L | 81 | | 30-140 |
| 104130-40-7 | PCB-118L | 83 | | 30-140 |
| 208263-64-3 | PCB-123L | 83 | | 30-140 |
| 208263-65-4 | PCB-126L | 93 | | 30-140 |
| 234432-90-7 | PCB-155L | 102 | | 30-140 |
| 208263-68-7 | PCB-156L | 85 | C | 30-140 |
| 235416-30-5 | PCB-157L | 85 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 83 | | 30-140 |
| 208263-70-1 | PCB-169L | 98 | | 30-140 |
| 160901-80-4 | PCB-170L | 82 | | 30-140 |
| 234432-91-8 | PCB-188L | 80 | | 30-140 |
| 208263-73-4 | PCB-189L | 101 | | 30-140 |
| 105600-26-8 | PCB-202L | 89 | | 30-140 |
| 234446-64-1 | PCB-205L | 82 | | 30-140 |
| 208263-75-6 | PCB-206L | 79 | | 30-140 |
| 234432-92-9 | PCB-208L | 80 | | 30-140 |
| 105600-27-9 | PCB-209L | 69 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 82 | | 40-125 |
| 235416-29-2 | PCB-111L | 94 | | 40-125 |
| 232919-67-4 | PCB-178L | 91 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d
Lims ID: 580-88908-A-35-F
Client ID: J5-SC1b-00to10-82719
Sample Type: Client
Inject. Date: 11-Oct-2019 16:00:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013360-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 14-Oct-2019 00:14:20 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0334

First Level Reviewer: mcwhirterl Date: 14-Oct-2019 00:14:20

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 46.8 | 46.8 | 0.0488 | 0.0488 | | |
| D PCB-1L | 11:46 | 555085 | 2.97 | 1.3140 | 12.7 | 12.7 | 0.2141 | 0.2141 | 63.72 | |
| D PCB-3L | 13:55 | 601501 | 3.14 | 1.3615 | 13.3 | 13.3 | 0.2066 | 0.2066 | 66.64 | |
| PCB-1 | 11:46 | 980827 | 3.11 | 1.1883 | 29.7 | 29.7 | 0.0475 | 0.0475 | | |
| PCB-2 | 13:45 | 144911 | 3.34 | 1.1911 | 4.208 | 4.208 | 0.0491 | 0.0491 | | |
| PCB-3 | 13:56 | 467953 | 3.24 | 1.2130 | 12.8 | 12.8 | 0.0500 | 0.0500 | | |
| S Total Dichlorobiphenyls | | | | | 64.1 | 64.1 | 0.0267 | 0.0267 | | |
| D PCB-4L | 14:10 | 293719 | 1.55 | 0.5996 | 14.8 | 14.8 | 0.1227 | 0.1227 | 73.89 | |
| * PCB-9L | 16:08 | 662982 | 1.63 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:02 | 542427 | 1.63 | 1.0280 | 15.9 | 15.9 | 0.0715 | 0.0715 | 79.59 | |
| PCB-4 | 14:11 | 302065 | 1.56 | 1.2533 | 16.4 | 16.4 | 0.0387 | 0.0387 | | |
| PCB-10 | 14:21 | 28240 | 1.56 | 1.4828 | 0.9111 | 0.9111 | 0.0274 | 0.0274 | | |
| PCB-9 | 16:08 | 66179 | 1.49 | 1.4200 | 2.230 | 2.230 | 0.0286 | 0.0286 | | |
| PCB-7 | 16:19 | 53766 | 1.62 | 1.6244 | 1.583 | 1.583 | 0.0250 | 0.0250 | | |
| PCB-6 | 16:33 | 188596 | 1.61 | 1.5539 | 5.806 | 5.806 | 0.0261 | 0.0261 | | |
| PCB-5 | 16:51 | 24005 | 1.51 | 1.5606 | 0.7358 | 0.7358 | 0.0260 | 0.0260 | | |
| PCB-8 | 16:59 | 676228 | 1.58 | 1.5884 | 20.4 | 20.4 | 0.0255 | 0.0255 | | |
| PCB-14 | 18:38 | | | | | | 0.0217 | 0.0217 | | |
| PCB-11 | 19:26 | 94516 | 1.55 | 1.6347 | 2.766 | 2.766 | 0.0248 | 0.0248 | | |
| PCB-12 | 19:43 | 90575 | 1.55 | 1.6410 | 2.640 | 2.640 | 0.0247 | 0.0247 | | Ma |
| PCB-13 (C12) | 19:43 | 90575 | 1.55 | 1.6410 | 2.640 | 2.640 | 0.0247 | 0.0247 | | Ma |
| PCB-15 | 20:03 | 403219 | 1.63 | 1.4024 | 10.6 | 10.6 | 0.0249 | 0.0249 | | |
| S Total Trichlorobiphenyl | | | | | 308.5 | 308.5 | 0.2241 | 0.2241 | | |
| D PCB-19L | 17:15 | 208220 | 1.07 | 0.6095 | 15.9 | 15.9 | 0.4270 | 0.4270 | 79.36 | |
| * PCB-32L | 20:31 | 430507 | 0.97 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:47 | 1203490 | 1.05 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:04 | 1087128 | 1.08 | 1.0975 | 16.5 | 16.5 | 0.0944 | 0.0944 | 82.30 | |
| D PCB-37L | 27:05 | 985464 | 1.14 | 0.9024 | 18.1 | 18.1 | 0.1149 | 0.1149 | 90.74 | |
| PCB-19 | 17:17 | 286208 | 1.08 | 1.3047 | 21.1 | 21.1 | 0.0389 | 0.0389 | | |
| PCB-18 | 19:08 | 381859 | 1.03 | 1.8188 | 20.2 | 20.2 | 0.0279 | 0.0279 | | |
| PCB-30 (C18) | 19:08 | 381859 | 1.03 | 1.8188 | 20.2 | 20.2 | 0.0279 | 0.0279 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:33 | 423570 | 1.10 | 1.5641 | 26.0 | 26.0 | 0.0325 | 0.0325 | | |
| PCB-27 | 19:47 | 112295 | 1.03 | 2.1680 | 4.975 | 4.975 | 0.0234 | 0.0234 | | |
| PCB-24 | 19:54 | 6840 | 1.01 | 2.1018 | 0.3126 | 0.3126 | 0.0242 | 0.0242 | | |
| PCB-16 | 20:01 | 110585 | 1.08 | 1.2260 | 8.664 | 8.664 | 0.0414 | 0.0414 | | |
| PCB-32 | 20:32 | 1409039 | 1.07 | 2.3416 | 57.8 | 57.8 | 0.0217 | 0.0217 | | |
| PCB-34 | 21:48 | 23413 | 1.07 | 1.2154 | 0.3910 | 0.3910 | 0.3533 | 0.3533 | | nMa |
| PCB-23 | 21:58 | | | | | | 0.3388 | 0.3388 | | |
| PCB-26 | 22:15 | 481926 | 1.09 | 1.3193 | 7.414 | 7.414 | 0.3255 | 0.3255 | | |
| PCB-29 (C26) | 22:15 | 481926 | 1.09 | 1.3193 | 7.414 | 7.414 | 0.3255 | 0.3255 | | |
| PCB-25 | 22:30 | 654646 | 1.09 | 1.3523 | 9.825 | 9.825 | 0.3176 | 0.3176 | | |
| PCB-31 | 22:48 | 2516915 | 1.08 | 1.3809 | 37.0 | 37.0 | 0.3110 | 0.3110 | | |
| PCB-20 | 23:06 | 3912045 | 1.10 | 1.3057 | 60.8 | 60.8 | 0.3289 | 0.3289 | | |
| PCB-28 (C20) | 23:06 | 3912045 | 1.10 | 1.3057 | 60.8 | 60.8 | 0.3289 | 0.3289 | | |
| PCB-21 | 23:19 | 1835501 | 1.05 | 1.3777 | 27.0 | 27.0 | 0.3117 | 0.3117 | | |
| PCB-33 (C21) | 23:19 | 1835501 | 1.05 | 1.3777 | 27.0 | 27.0 | 0.3117 | 0.3117 | | |
| PCB-22 | 23:43 | 559734 | 1.08 | 1.2430 | 9.139 | 9.139 | 0.3455 | 0.3455 | | |
| PCB-36 | 25:18 | | | | | | 0.3189 | 0.3189 | | |
| PCB-39 | 25:38 | 47501 | 1.04 | 1.3970 | 0.6901 | 0.6901 | 0.3074 | 0.3074 | | Ma |
| PCB-38 | 26:14 | | | | | | 0.3259 | 0.3259 | | |
| PCB-35 | 26:41 | 96490 | 1.11 | 1.2166 | 1.610 | 1.610 | 0.3530 | 0.3530 | | |
| PCB-37 | 27:06 | 990206 | 1.09 | 1.2879 | 15.6 | 15.6 | 0.3334 | 0.3334 | | |
| S Total Tetrachlorobiphen | | | | | 3836.2 | 3836.1 | 0.1846 | 0.1846 | | RQ |
| D PCB-54L | 20:20 | 224826 | 0.86 | 0.6515 | 16.0 | 16.0 | 0.0181 | 0.0181 | 80.16 | |
| * PCB-52L | 24:54 | 604503 | 0.83 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:51 | 657335 | 0.84 | 1.2328 | 17.6 | 17.6 | 0.0358 | 0.0358 | 88.20 | |
| D PCB-77L | 34:25 | 695217 | 0.80 | 1.2523 | 18.4 | 18.4 | 0.0352 | 0.0352 | 91.84 | |
| PCB-54 | 20:21 | 867348 | 0.78 | 1.2558 | 61.4 | 61.4 | 0.0277 | 0.0277 | | |
| PCB-50 | 22:31 | 6330651 | 0.79 | 0.9362 | 200.0 | 200.0 | 0.2368 | 0.2368 | | |
| PCB-53 (C50) | 22:31 | 6330651 | 0.79 | 0.9362 | 200.0 | 200.0 | 0.2368 | 0.2368 | | |
| PCB-45 | 23:16 | 15153797 | 0.80 | 0.8850 | 506.4 | 506.4 | 0.2505 | 0.2505 | | |
| PCB-51 (C45) | 23:16 | 15153797 | 0.80 | 0.8850 | 506.4 | 506.4 | 0.2505 | 0.2505 | | |
| PCB-46 | 23:30 | 351565 | 0.81 | 0.7591 | 13.7 | 13.7 | 0.2921 | 0.2921 | | |
| PCB-52 | 24:56 | 20397312 | 0.79 | 0.8992 | 670.8 | 670.8 | 0.2466 | 0.2466 | | |
| PCB-43 | 25:04 | 1112754 | 0.81 | 0.9993 | 32.9 | 32.9 | 0.2219 | 0.2219 | | |
| PCB-73 (C43) | 25:04 | 1112754 | 0.81 | 0.9993 | 32.9 | 32.9 | 0.2219 | 0.2219 | | |
| PCB-49 | 25:25 | 16026023 | 0.80 | 1.1366 | 417.0 | 417.0 | 0.1951 | 0.1951 | | |
| PCB-69 (C49) | 25:25 | 16026023 | 0.80 | 1.1366 | 417.0 | 417.0 | 0.1951 | 0.1951 | | |
| PCB-48 | 25:42 | 333192 | 0.84 | 0.9454 | 10.4 | 10.4 | 0.2345 | 0.2345 | | |
| PCB-44 | 25:58 | 36982624 | 0.79 | 1.0323 | 1059.5 | 1059.5 | 0.2148 | 0.2148 | | |
| PCB-47 (C44) | 25:58 | 36982624 | 0.79 | 1.0323 | 1059.5 | 1059.5 | 0.2148 | 0.2148 | | |
| PCB-65 (C44) | 25:58 | 36982624 | 0.79 | 1.0323 | 1059.5 | 1059.5 | 0.2148 | 0.2148 | | |
| PCB-59 | 26:17 | 1286200 | 0.78 | 1.3609 | 27.9 | 27.9 | 0.1629 | 0.1629 | | |
| PCB-62 (C59) | 26:17 | 1286200 | 0.78 | 1.3609 | 27.9 | 27.9 | 0.1629 | 0.1629 | | |
| PCB-75 (C59) | 26:17 | 1286200 | 0.78 | 1.3609 | 27.9 | 27.9 | 0.1629 | 0.1629 | | |
| PCB-42 | 26:27 | 822310 | 0.78 | 0.8670 | 28.0 | 28.0 | 0.2557 | 0.2557 | | |
| PCB-40 | 26:57 | 3514450 | 0.79 | 0.9179 | 113.2 | 113.2 | 0.2415 | 0.2415 | | Ma |
| PCB-41 (C40) | 26:57 | 3514450 | 0.79 | 0.9179 | 113.2 | 113.2 | 0.2415 | 0.2415 | | Ma |
| PCB-71 (C40) | 26:57 | 3514450 | 0.79 | 0.9179 | 113.2 | 113.2 | 0.2415 | 0.2415 | | Ma |
| PCB-64 | 27:10 | 2616843 | 0.79 | 1.4164 | 54.6 | 54.6 | 0.1565 | 0.1565 | | |
| PCB-72 | 28:01 | 251428 | 0.79 | 1.3157 | 5.651 | 5.651 | 0.1685 | 0.1685 | | |
| PCB-68 | 28:18 | 638961 | 0.75 | 1.4782 | 12.8 | 12.8 | 0.1500 | 0.1500 | | |
| PCB-57 | 28:43 | | | | | | 0.1730 | 0.1730 | | |
| PCB-58 | 28:57 | | | | | | 0.1678 | 0.1678 | | |
| PCB-67 | 29:05 | 266988 | 0.82 | 1.3944 | 5.662 | 5.662 | 0.1590 | 0.1590 | | a |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:23 | 469105 | 0.79 | 1.4685 | 9.447 | 9.447 | 0.1510 | 0.1510 | | |
| PCB-61 | 29:43 | 17876054 | 0.79 | 1.3565 | 389.7 | 389.7 | 0.1634 | 0.1634 | | |
| PCB-70 (C61) | 29:43 | 17876054 | 0.79 | 1.3565 | 389.7 | 389.7 | 0.1634 | 0.1634 | | |
| PCB-74 (C61) | 29:43 | 17876054 | 0.79 | 1.3565 | 389.7 | 389.7 | 0.1634 | 0.1634 | | |
| PCB-76 (C61) | 29:43 | 17876054 | 0.79 | 1.3565 | 389.7 | 389.7 | 0.1634 | 0.1634 | | |
| PCB-66 | 30:03 | 5608090 | 0.79 | 1.2800 | 129.6 | 129.6 | 0.1732 | 0.1732 | | Ma |
| PCB-55 | 30:12 | 35096 | 0.87 | 1.2951 | 0.8014 | 0.8014 | 0.1712 | 0.1712 | | Ma |
| PCB-56 | 30:42 | 1655548 | 0.81 | 1.2671 | 38.6 | 38.6 | 0.1750 | 0.1750 | | |
| PCB-60 | 30:55 | 544452 | 0.81 | 1.3288 | 12.1 | 12.1 | 0.1668 | 0.1668 | | |
| PCB-80 | 31:21 | | | | | | 0.1509 | 0.1509 | | |
| PCB-79 | 32:53 | 385453 | 0.76 | 1.5421 | 7.392 | 7.392 | 0.1438 | 0.1438 | | |
| PCB-78 | 33:25 | | | | | | 0.1686 | 0.1686 | | |
| PCB-81 | 33:51 | 37935 | 0.77 | 1.3214 | 0.9713 | 0.8735 | 0.1722 | 0.1722 | | RQMa |
| PCB-77 | 34:26 | 1267184 | 0.78 | 1.3308 | 27.4 | 27.4 | 0.1624 | 0.1624 | | |
| S Total Pentachlorobiphen | | | | | 7680.1 | 7680.1 | 0.2926 | 0.2926 | | |
| D PCB-104L | 25:51 | 426934 | 1.65 | 1.1164 | 18.1 | 18.1 | 0.0111 | 0.0111 | 90.47 | |
| * PCB-101L | 31:47 | 422690 | 1.61 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:28 | 481395 | 1.64 | 1.2177 | 18.7 | 18.7 | 0.0101 | 0.0101 | 93.53 | |
| D PCB-123L | 36:26 | 709898 | 1.57 | 0.9909 | 16.6 | 16.6 | 0.2537 | 0.2537 | 83.01 | |
| D PCB-118L | 36:45 | 738637 | 1.63 | 1.0256 | 16.7 | 16.7 | 0.2451 | 0.2451 | 83.46 | |
| D PCB-114L | 37:17 | 700721 | 1.62 | 1.0030 | 16.2 | 16.2 | 0.2507 | 0.2507 | 80.95 | |
| D PCB-105L | 37:56 | 730657 | 1.71 | 1.0013 | 16.9 | 16.9 | 0.2511 | 0.2511 | 84.56 | |
| * PCB-127L | 39:25 | 862994 | 1.69 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 41:02 | 721676 | 1.67 | 0.9020 | 18.5 | 18.5 | 0.2787 | 0.2787 | 92.71 | |
| PCB-104 | 25:53 | 416224 | 1.60 | 1.3926 | 14.0 | 14.0 | 0.0197 | 0.0197 | | |
| PCB-96 | 26:14 | 940899 | 1.60 | 1.2268 | 35.9 | 35.9 | 0.0223 | 0.0223 | | |
| PCB-103 | 28:11 | 1509611 | 1.58 | 1.0331 | 68.5 | 68.5 | 0.0265 | 0.0265 | | |
| PCB-94 | 28:24 | 1062800 | 1.62 | 0.9036 | 55.1 | 55.1 | 0.0303 | 0.0303 | | |
| PCB-95 | 28:51 | 20043336 | 1.55 | 0.9620 | 976.0 | 976.0 | 0.0285 | 0.0285 | | |
| PCB-93 | 29:04 | 4279672 | 1.60 | 0.9806 | 204.4 | 204.4 | 0.0279 | 0.0279 | | |
| PCB-100 (C93) | 29:04 | 4279672 | 1.60 | 0.9806 | 204.4 | 204.4 | 0.0279 | 0.0279 | | |
| PCB-98 | 29:12 | 1262346 | 1.50 | 0.9888 | 59.8 | 59.8 | 0.0277 | 0.0277 | | |
| PCB-102 (C98) | 29:12 | 1262346 | 1.50 | 0.9888 | 59.8 | 59.8 | 0.0277 | 0.0277 | | |
| PCB-88 | 29:43 | 6591084 | 1.60 | 1.0052 | 307.2 | 307.2 | 0.0272 | 0.0272 | | |
| PCB-91 (C88) | 29:43 | 6591084 | 1.60 | 1.0052 | 307.2 | 307.2 | 0.0272 | 0.0272 | | |
| PCB-84 | 29:56 | 5550551 | 1.58 | 0.8601 | 302.3 | 302.3 | 0.0318 | 0.0318 | | |
| PCB-89 | 30:25 | 148396 | 1.42 | 0.8936 | 7.780 | 7.780 | 0.0306 | 0.0306 | | |
| PCB-121 | 30:50 | 170243 | 1.53 | 1.3971 | 5.708 | 5.708 | 0.0196 | 0.0196 | | |
| PCB-92 | 31:13 | 5906943 | 1.58 | 0.9532 | 290.3 | 290.3 | 0.0287 | 0.0287 | | |
| PCB-90 | 31:48 | 31859097 | 1.57 | 1.1367 | 1313.0 | 1313.0 | 0.0241 | 0.0241 | | |
| PCB-101 (C90) | 31:48 | 31859097 | 1.57 | 1.1367 | 1313.0 | 1313.0 | 0.0241 | 0.0241 | | |
| PCB-113 (C90) | 31:48 | 31859097 | 1.57 | 1.1367 | 1313.0 | 1313.0 | 0.0241 | 0.0241 | | |
| PCB-83 | 32:23 | 12895352 | 1.55 | 0.9393 | 643.1 | 643.1 | 0.0292 | 0.0292 | | Ma |
| PCB-99 (C83) | 32:23 | 12895352 | 1.55 | 0.9393 | 643.1 | 643.1 | 0.0292 | 0.0292 | | Ma |
| PCB-112 | 32:29 | | | | | | 0.0200 | 0.0200 | | |
| PCB-86 | 32:58 | 18412158 | 1.56 | 1.1958 | 721.3 | 721.3 | 0.0229 | 0.0229 | | Ma |
| PCB-87 (C86) | 32:58 | 18412158 | 1.56 | 1.1958 | 721.3 | 721.3 | 0.0229 | 0.0229 | | Ma |
| PCB-97 (C86) | 32:58 | 18412158 | 1.56 | 1.1958 | 721.3 | 721.3 | 0.0229 | 0.0229 | | Ma |
| PCB-109 (C86) | 32:58 | 18412158 | 1.56 | 1.1958 | 721.3 | 721.3 | 0.0229 | 0.0229 | | Ma |
| PCB-119 (C86) | 32:58 | 18412158 | 1.56 | 1.1958 | 721.3 | 721.3 | 0.0229 | 0.0229 | | Ma |
| PCB-125 (C86) | 32:58 | 18412158 | 1.56 | 1.1958 | 721.3 | 721.3 | 0.0229 | 0.0229 | | Ma |
| PCB-85 | 33:36 | 4481974 | 1.59 | 1.2126 | 173.1 | 173.1 | 0.0226 | 0.0226 | | |
| PCB-116 (C85) | 33:36 | 4481974 | 1.59 | 1.2126 | 173.1 | 173.1 | 0.0226 | 0.0226 | | |
| PCB-117 (C85) | 33:36 | 4481974 | 1.59 | 1.2126 | 173.1 | 173.1 | 0.0226 | 0.0226 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:46 | 32324445 | 1.57 | 1.3511 | 1120.8 | 1120.8 | 0.0203 | 0.0203 | | |
| PCB-115 (C110) | 33:46 | 32324445 | 1.57 | 1.3511 | 1120.8 | 1120.8 | 0.0203 | 0.0203 | | |
| PCB-82 | 34:05 | 2027364 | 1.60 | 0.8675 | 109.5 | 109.5 | 0.0316 | 0.0316 | | |
| PCB-111 | 34:29 | 147210 | 1.52 | 1.4262 | 4.835 | 4.835 | 0.0192 | 0.0192 | | |
| PCB-120 | 34:58 | 241638 | 1.61 | 1.4907 | 7.593 | 7.593 | 0.0184 | 0.0184 | | |
| PCB-108 | 36:06 | 1682038 | 1.61 | 1.2547 | 37.2 | 37.2 | 0.8828 | 0.8828 | | |
| PCB-124 (C108) | 36:06 | 1682038 | 1.61 | 1.2547 | 37.2 | 37.2 | 0.8828 | 0.8828 | | |
| PCB-107 | 36:20 | 3392012 | 1.61 | 1.3580 | 69.4 | 69.4 | 0.8156 | 0.8156 | | |
| PCB-123 | 36:27 | 563791 | 1.64 | 1.3407 | 11.8 | 11.8 | 0.8136 | 0.8136 | | |
| PCB-106 | 36:33 | | | | | | 0.8688 | 0.8688 | | |
| PCB-118 | 36:47 | 38487574 | 1.60 | 1.2892 | 808.4 | 808.4 | 0.8287 | 0.8287 | | |
| PCB-122 | 37:07 | 432296 | 1.67 | 1.1614 | 10.3 | 10.3 | 0.9537 | 0.9537 | | |
| PCB-114 | 37:18 | 884777 | 1.55 | 1.4051 | 18.0 | 18.0 | 0.8320 | 0.8320 | | |
| PCB-105 | 37:57 | 14128231 | 1.59 | 1.2887 | 300.1 | 300.1 | 0.8357 | 0.8357 | | |
| PCB-127 | 39:25 | | | | | | 0.8625 | 0.8625 | | |
| PCB-126 | 41:03 | 228623 | 1.51 | 1.3416 | 4.723 | 4.723 | 0.8495 | 0.8495 | | Ma |
| S Total Hexachlorobipheny | | | | | 5549.8 | 5549.7 | 0.1409 | 0.1409 | | RQ |
| D PCB-155L | 31:33 | 411423 | 1.15 | 0.9499 | 20.5 | 20.5 | 0.0288 | 0.0288 | 102 | |
| * PCB-138L | 39:53 | 574310 | 1.23 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:54 | 598704 | 1.24 | 1.2544 | 16.6 | 16.6 | 0.0897 | 0.0897 | 83.10 | |
| D PCB-156L | 44:04 | 1199888 | 1.29 | 1.2289 | 34.0 | 34.0 | 0.0916 | 0.0916 | 85.00 | |
| D PCB-157L (C156L) | 44:04 | 1199888 | 1.29 | 1.2289 | 34.0 | 34.0 | 0.0916 | 0.0916 | 85.00 | |
| D PCB-169L | 47:18 | 611578 | 1.33 | 1.0883 | 19.6 | 19.6 | 0.1034 | 0.1034 | 97.85 | |
| PCB-155 | 31:34 | 48888 | 1.25 | 1.3028 | 1.824 | 1.824 | 0.0127 | 0.0127 | | |
| PCB-152 | 31:46 | 511944 | 1.26 | 1.2556 | 19.8 | 19.8 | 0.0132 | 0.0132 | | |
| PCB-150 | 31:56 | 484240 | 1.25 | 1.2368 | 19.0 | 19.0 | 0.0134 | 0.0134 | | |
| PCB-136 | 32:17 | 4519207 | 1.25 | 1.1563 | 190.0 | 190.0 | 0.0143 | 0.0143 | | |
| PCB-145 | 32:36 | 17158 | 1.24 | 1.1910 | 0.7653 | 0.7003 | 0.0139 | 0.0139 | | RQMa |
| PCB-148 | 34:07 | 296641 | 1.25 | 0.8982 | 16.1 | 16.1 | 0.0184 | 0.0184 | | |
| PCB-135 | 34:42 | 8684172 | 1.25 | 0.8691 | 485.7 | 485.7 | 0.0190 | 0.0190 | | |
| PCB-151 (C135) | 34:42 | 8684172 | 1.25 | 0.8691 | 485.7 | 485.7 | 0.0190 | 0.0190 | | |
| PCB-154 | 34:58 | 1188735 | 1.25 | 1.0180 | 56.8 | 56.8 | 0.0163 | 0.0163 | | |
| PCB-144 | 35:16 | 923864 | 1.26 | 0.9185 | 48.9 | 48.9 | 0.0180 | 0.0180 | | |
| PCB-147 | 35:38 | 30679995 | 1.24 | 0.9747 | 1044.8 | 1044.8 | 0.2086 | 0.2086 | | Ma |
| PCB-149 (C147) | 35:38 | 30679995 | 1.24 | 0.9747 | 1044.8 | 1044.8 | 0.2086 | 0.2086 | | Ma |
| PCB-134 | 35:50 | 2152941 | 1.27 | 0.8518 | 83.9 | 83.9 | 0.2387 | 0.2387 | | a |
| PCB-143 (C134) | 35:50 | 2152941 | 1.27 | 0.8518 | 83.9 | 83.9 | 0.2387 | 0.2387 | | a |
| PCB-139 | 36:14 | 875678 | 1.30 | 0.9995 | 29.1 | 29.1 | 0.2034 | 0.2034 | | |
| PCB-140 (C139) | 36:14 | 875678 | 1.30 | 0.9995 | 29.1 | 29.1 | 0.2034 | 0.2034 | | |
| PCB-131 | 36:26 | 465235 | 1.25 | 0.8584 | 18.0 | 18.0 | 0.2369 | 0.2369 | | |
| PCB-142 | 36:34 | | | | | | 0.2365 | 0.2365 | | |
| PCB-132 | 36:53 | 10706986 | 1.25 | 0.8801 | 403.8 | 403.8 | 0.2310 | 0.2310 | | |
| PCB-133 | 37:25 | 1221117 | 1.26 | 0.9064 | 44.7 | 44.7 | 0.2243 | 0.2243 | | |
| PCB-165 | 37:48 | 207150 | 1.35 | 1.1210 | 6.134 | 6.134 | 0.1814 | 0.1814 | | |
| PCB-146 | 38:03 | 7099507 | 1.25 | 1.0084 | 233.7 | 233.7 | 0.2016 | 0.2016 | | |
| PCB-161 | 38:09 | | | | | | 0.1521 | 0.1521 | | |
| PCB-153 | 38:40 | 31689143 | 1.24 | 1.2207 | 861.7 | 861.7 | 0.1666 | 0.1666 | | |
| PCB-168 (C153) | 38:40 | 31689143 | 1.24 | 1.2207 | 861.7 | 861.7 | 0.1666 | 0.1666 | | |
| PCB-141 | 38:52 | 5450052 | 1.26 | 0.9608 | 188.3 | 188.3 | 0.2116 | 0.2116 | | |
| PCB-130 | 39:16 | 2044121 | 1.24 | 0.8274 | 82.0 | 82.0 | 0.2457 | 0.2457 | | |
| PCB-137 | 39:29 | 1630744 | 1.26 | 1.0582 | 51.1 | 51.1 | 0.1921 | 0.1921 | | |
| PCB-164 | 39:36 | 3032614 | 1.24 | 1.2527 | 80.4 | 80.4 | 0.1623 | 0.1623 | | |
| PCB-129 | 39:55 | 36233685 | 1.24 | 1.0840 | 1109.5 | 1109.5 | 0.1876 | 0.1876 | | |
| PCB-138 (C129) | 39:55 | 36233685 | 1.24 | 1.0840 | 1109.5 | 1109.5 | 0.1876 | 0.1876 | | |
| PCB-160 (C129) | 39:55 | 36233685 | 1.24 | 1.0840 | 1109.5 | 1109.5 | 0.1876 | 0.1876 | | |
| PCB-163 (C129) | 39:55 | 36233685 | 1.24 | 1.0840 | 1109.5 | 1109.5 | 0.1876 | 0.1876 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:18 | 4753163 | 1.26 | 1.3862 | 113.8 | 113.8 | 0.1467 | 0.1467 | | |
| PCB-128 | 41:11 | 5900003 | 1.25 | 1.1165 | 175.4 | 175.4 | 0.1821 | 0.1821 | | |
| PCB-166 (C128) | 41:11 | 5900003 | 1.25 | 1.1165 | 175.4 | 175.4 | 0.1821 | 0.1821 | | |
| PCB-159 | 42:08 | 312775 | 1.19 | 1.3178 | 7.878 | 7.878 | 0.1543 | 0.1543 | | |
| PCB-162 | 42:25 | | | | | | 0.1493 | 0.1493 | | |
| PCB-167 | 42:56 | 1703822 | 1.25 | 1.3357 | 42.6 | 42.6 | 0.1345 | 0.1345 | | |
| PCB-156 | 44:03 | 5129587 | 1.25 | 1.2759 | 134.0 | 134.0 | 0.1868 | 0.1868 | | |
| PCB-157 (C156) | 44:03 | 5129587 | 1.25 | 1.2759 | 134.0 | 134.0 | 0.1868 | 0.1868 | | |
| PCB-169 | 47:17 | | | | | | 0.1365 | 0.1365 | | |
| S Total Heptachlorobiphen | | | | | 2269.5 | 2269.5 | 0.0107 | 0.0107 | | |
| D PCB-188L | 37:17 | 479502 | 1.03 | 1.3162 | 16.0 | 16.0 | 0.0268 | 0.0268 | 80.00 | |
| $ PCB-178L | 40:21 | 380254 | 1.21 | 0.9222 | 18.1 | 18.1 | 0.0382 | 0.0382 | 90.54 | |
| * PCB-180L | 45:27 | 455414 | 1.11 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:42 | 311641 | 1.06 | 0.8357 | 16.4 | 16.4 | 0.0422 | 0.0422 | 81.88 | |
| D PCB-189L | 49:49 | 805807 | 1.04 | 1.4666 | 20.2 | 20.2 | 0.4380 | 0.4380 | 101 | |
| PCB-188 | 37:19 | 167465 | 1.07 | 1.2502 | 5.587 | 5.587 | 0.005665 | 0.005665 | | |
| PCB-179 | 37:39 | 3802225 | 1.05 | 1.4149 | 135.9 | 135.9 | 0.006103 | 0.006103 | | |
| PCB-184 | 38:09 | | | | | | 0.006085 | 0.006085 | | |
| PCB-176 | 38:32 | 1038522 | 1.08 | 1.5212 | 34.5 | 34.5 | 0.005677 | 0.005677 | | |
| PCB-186 | 38:58 | | | | | | 0.006018 | 0.006018 | | |
| PCB-178 | 40:23 | 1610176 | 1.05 | 1.0228 | 79.6 | 79.6 | 0.008443 | 0.008443 | | |
| PCB-175 | 41:00 | 240942 | 1.10 | 1.0690 | 11.4 | 11.4 | 0.008078 | 0.008078 | | |
| PCB-187 | 41:17 | 7620846 | 1.05 | 1.1106 | 346.9 | 346.9 | 0.007776 | 0.007776 | | |
| PCB-182 | 41:29 | 117638 | 1.06 | 1.1484 | 5.179 | 5.179 | 0.007520 | 0.007520 | | |
| PCB-183 | 41:54 | 3841497 | 1.06 | 1.1368 | 170.8 | 170.8 | 0.007596 | 0.007596 | | |
| PCB-185 (C183) | 41:54 | 3841497 | 1.06 | 1.1368 | 170.8 | 170.8 | 0.007596 | 0.007596 | | |
| PCB-174 | 42:08 | 4966177 | 1.06 | 0.9547 | 263.0 | 263.0 | 0.009045 | 0.009045 | | |
| PCB-177 | 42:34 | 3414487 | 1.05 | 0.9426 | 183.2 | 183.2 | 0.009162 | 0.009162 | | |
| PCB-181 | 42:58 | 84351 | 1.00 | 1.1075 | 3.851 | 3.851 | 0.007797 | 0.007797 | | |
| PCB-171 | 43:11 | 1749682 | 1.04 | 0.9603 | 92.1 | 92.1 | 0.008992 | 0.008992 | | |
| PCB-173 (C171) | 43:11 | 1749682 | 1.04 | 0.9603 | 92.1 | 92.1 | 0.008992 | 0.008992 | | |
| PCB-172 | 44:49 | 910291 | 1.05 | 0.9918 | 46.4 | 46.4 | 0.008707 | 0.008707 | | |
| PCB-192 | 45:04 | | | | | | 0.006692 | 0.006692 | | |
| PCB-180 | 45:29 | 13342691 | 1.05 | 1.2286 | 549.1 | 549.1 | 0.007029 | 0.007029 | | a |
| PCB-193 (C180) | 45:29 | 13342691 | 1.05 | 1.2286 | 549.1 | 549.1 | 0.007029 | 0.007029 | | a |
| PCB-191 | 45:50 | 339526 | 1.03 | 1.3848 | 12.4 | 12.4 | 0.006236 | 0.006236 | | |
| PCB-170 | 46:44 | 5234540 | 1.05 | 1.2700 | 264.5 | 264.5 | 0.008710 | 0.008710 | | |
| PCB-190 | 47:15 | 1455645 | 1.07 | 1.3774 | 53.4 | 53.4 | 0.006269 | 0.006269 | | |
| PCB-189 | 49:51 | 597911 | 1.10 | 1.2799 | 11.6 | 11.6 | 0.0765 | 0.0765 | | |
| S Total Octachlorobipheny | | | | | 529.4 | 529.4 | 0.0318 | 0.0318 | | |
| D PCB-202L | 42:40 | 406780 | 0.84 | 1.0055 | 17.8 | 17.8 | 0.0186 | 0.0186 | 88.83 | |
| * PCB-194L | 51:56 | 543003 | 0.96 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:25 | 569716 | 0.94 | 1.2867 | 16.3 | 16.3 | 0.3663 | 0.3663 | 81.54 | |
| PCB-202 | 42:42 | 551678 | 0.91 | 1.0531 | 25.8 | 25.8 | 0.005928 | 0.005928 | | |
| PCB-201 | 43:37 | 377774 | 0.91 | 1.1860 | 15.7 | 15.7 | 0.005264 | 0.005264 | | |
| PCB-204 | 44:16 | | | | | | 0.005671 | 0.005671 | | |
| PCB-197 | 44:31 | 117898 | 0.83 | 1.2053 | 4.809 | 4.809 | 0.005180 | 0.005180 | | |
| PCB-200 | 44:38 | 353800 | 0.89 | 1.1260 | 15.4 | 15.4 | 0.005544 | 0.005544 | | |
| PCB-198 | 47:26 | 2033609 | 0.89 | 0.8183 | 122.2 | 122.2 | 0.007629 | 0.007629 | | |
| PCB-199 (C198) | 47:26 | 2033609 | 0.89 | 0.8183 | 122.2 | 122.2 | 0.007629 | 0.007629 | | |
| PCB-196 | 48:06 | 1132998 | 0.89 | 0.8748 | 63.7 | 63.7 | 0.007136 | 0.007136 | | |
| PCB-203 | 48:17 | 1482531 | 0.90 | 0.9219 | 79.1 | 79.1 | 0.006772 | 0.006772 | | |
| PCB-195 | 49:36 | 1379547 | 0.90 | 0.7839 | 61.8 | 61.8 | 0.1215 | 0.1215 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:58 | 3542153 | 0.90 | 0.9282 | 134.0 | 134.0 | 0.1026 | 0.1026 | | |
| PCB-205 | 52:27 | 246034 | 0.91 | 1.2342 | 6.998 | 6.998 | 0.0771 | 0.0771 | | |
| S Total Nonachlorobipheny | | | | | 53.2 | 53.2 | 0.1423 | 0.1423 | | |
| D PCB-208L | 49:22 | 493775 | 0.85 | 1.1383 | 16.0 | 16.0 | 0.2822 | 0.2822 | 79.89 | |
| D PCB-206L | 54:11 | 383661 | 0.80 | 0.8938 | 15.8 | 15.8 | 0.3593 | 0.3593 | 79.05 | |
| PCB-208 | 49:23 | 258598 | 0.78 | 1.1567 | 9.055 | 9.055 | 0.1266 | 0.1266 | | |
| PCB-207 | 50:18 | 163820 | 0.78 | 1.3964 | 5.348 | 5.348 | 0.1237 | 0.1237 | | |
| PCB-206 | 54:12 | 887517 | 0.78 | 1.1927 | 38.8 | 38.8 | 0.1766 | 0.1766 | | |
| D PCB-209L | 55:50 | 368103 | 0.69 | 0.9809 | 13.8 | 13.8 | 0.007148 | 0.007148 | 69.11 | |
| DCB Decachlorobiphenyl | 55:51 | 218646 | 0.71 | 1.2455 | 9.538 | 9.538 | 0.0161 | 0.0161 | | |
| S Polychlorinated bipheny | | | | | 20300 | 9.538 | 0.1189 | 0.1189 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- n - Failed Sig-To-Noise Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d
Lims ID: 580-88908-A-35-F
Client ID: J5-SC1b-00to10-82719
Sample Type: Client
Inject. Date: 11-Oct-2019 16:00:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013360-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 14-Oct-2019 00:14:20 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0334

First Level Reviewer: mcwhirterl Date: 14-Oct-2019 00:14:20

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:46 | 11:46 | -2 | 0.729 | 415227 | 169775 | 375 | 937 | 453 | | |
| 202.0766 | 11:46 | 11:46 | -2 | 0.729 | 139858 | 57887 | 768 | 1920 | 75 | 2.97(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:55 | -2 | 0.863 | 456270 | 158011 | 375 | 937 | 421 | | |
| 202.0766 | 13:55 | 13:55 | -2 | 0.863 | 145231 | 53678 | 768 | 1920 | 70 | 3.14(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:46 | 11:46 | -2 | 1.001 | 741894 | 305910 | 192 | 480 | 1593 | | |
| 190.0363 | 11:46 | 11:46 | -2 | 1.001 | 238933 | 98949 | 65 | 162 | 1522 | 3.11(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | 13:45 | -2 | 0.988 | 111536 | 38882 | 192 | 480 | 203 | | |
| 190.0363 | 13:45 | 13:45 | -2 | 0.988 | 33375 | 11278 | 65 | 162 | 174 | 3.34(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | 13:56 | -2 | 1.001 | 357501 | 123608 | 192 | 480 | 644 | | |
| 190.0363 | 13:56 | 13:56 | -2 | 1.001 | 110452 | 36888 | 65 | 162 | 568 | 3.24(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:10 | -2 | 0.878 | 178723 | 61157 | 243 | 607 | 252 | | |
| 236.0376 | 14:10 | 14:10 | -2 | 0.878 | 114996 | 38614 | 56 | 140 | 690 | 1.55(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:08 | 16:09 | -2 | | 411294 | 125698 | 243 | 607 | 517 | | |
| 236.0376 | 16:08 | 16:09 | -2 | | 251688 | 77440 | 56 | 140 | 1383 | 1.63(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:02 | 20:01 | -1 | 1.243 | 335960 | 84625 | 243 | 607 | 348 | | |
| 236.0376 | 20:02 | 20:01 | -1 | 1.243 | 206467 | 54189 | 56 | 140 | 968 | 1.63(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:11 | 14:11 | -2 | 1.001 | 184172 | 64031 | 55 | 137 | 1164 | | |
| 223.9974 | 14:11 | 14:11 | -2 | 1.001 | 117893 | 40931 | 42 | 105 | 975 | 1.56(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:21 | 14:21 | -2 | 1.013 | 17226 | 5333 | 55 | 137 | 97 | | |
| 223.9974 | 14:21 | 14:21 | -2 | 1.013 | 11014 | 3302 | 42 | 105 | 79 | 1.56(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:08 | 16:08 | -2 | 1.139 | 39628 | 12403 | 55 | 137 | 226 | | |
| 223.9974 | 16:08 | 16:08 | -2 | 1.139 | 26551 | 7924 | 42 | 105 | 189 | 1.49(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:19 | 16:19 | -2 | 1.152 | 33257 | 10149 | 55 | 137 | 185 | | |
| 223.9974 | 16:19 | 16:19 | -2 | 1.152 | 20509 | 6150 | 42 | 105 | 146 | 1.62(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:33 | 16:33 | -2 | 1.168 | 116216 | 35137 | 55 | 137 | 639 | | |
| 223.9974 | 16:33 | 16:33 | -2 | 1.168 | 72380 | 21602 | 42 | 105 | 514 | 1.61(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:51 | 16:51 | -2 | 1.189 | 14455 | 4333 | 55 | 137 | 79 | | |
| 223.9974 | 16:51 | 16:51 | -2 | 1.189 | 9550 | 2677 | 42 | 105 | 64 | 1.51(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:59 | 16:58 | -2 | 1.199 | 413712 | 121822 | 55 | 137 | 2215 | | |
| 223.9974 | 16:59 | 16:58 | -2 | 1.199 | 262516 | 77450 | 42 | 105 | 1844 | 1.58(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | | | | | | 55 | 137 | | | |
| 223.9974 | 18:37 | | | | | | 42 | 105 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:26 | 19:27 | -2 | 0.970 | 57496 | 15431 | 55 | 137 | 281 | | |
| 223.9974 | 19:26 | 19:27 | -2 | 0.970 | 37020 | 10116 | 42 | 105 | 241 | 1.55(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | Ma |
| 222.0003 | 19:43 | 19:43 | -3 | 0.984 | 55073 | 10975 | 55 | 137 | 200 | | M |
| 223.9974 | 19:43 | 19:43 | -3 | 0.984 | 35502 | 7159 | 42 | 105 | 170 | 1.55(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | Ma |
| 222.0003 | 19:43 | 19:43 | -3 | 0.984 | 55073 | 10975 | 55 | 137 | 200 | | M |
| 223.9974 | 19:43 | 19:43 | -3 | 0.984 | 35502 | 7159 | 42 | 105 | 170 | 1.55(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:03 | 20:04 | -2 | 1.001 | 250138 | 61769 | 55 | 137 | 1123 | | |
| 223.9974 | 20:03 | 20:04 | -2 | 1.001 | 153081 | 37320 | 42 | 105 | 889 | 1.63(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:15 | 17:16 | -2 | 0.841 | 107474 | 30514 | 447 | 1117 | 68 | | |
| 269.9986 | 17:15 | 17:16 | -2 | 0.841 | 100746 | 28544 | 143 | 357 | 200 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:32 | -2 | | 212288 | 53510 | 447 | 1117 | 120 | | |
| 269.9986 | 20:31 | 20:32 | -2 | | 218219 | 59838 | 143 | 357 | 418 | 0.97(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:47 | -1 | | 617519 | 147381 | 429 | 1072 | 344 | | |
| 269.9986 | 22:47 | 22:47 | -1 | | 585971 | 144929 | 177 | 442 | 819 | 1.05(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:04 | -1 | 1.013 | 564754 | 132917 | 429 | 1072 | 310 | | |
| 269.9986 | 23:04 | 23:04 | -1 | 1.013 | 522374 | 127457 | 177 | 442 | 720 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:05 | 27:04 | 0 | 1.189 | 524063 | 117705 | 429 | 1072 | 274 | | |
| 269.9986 | 27:05 | 27:04 | 0 | 1.189 | 461401 | 100714 | 177 | 442 | 569 | 1.14(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:17 | 17:16 | -2 | 1.002 | 148314 | 42217 | 28 | 70 | 1508 | | |
| 257.9584 | 17:17 | 17:16 | -2 | 1.002 | 137894 | 39488 | 32 | 80 | 1234 | 1.08(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:06 | -1 | 1.109 | 193844 | 52384 | 28 | 70 | 1871 | | |
| 257.9584 | 19:08 | 19:06 | -1 | 1.109 | 188015 | 50364 | 32 | 80 | 1574 | 1.03(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:06 | -1 | 1.109 | 193844 | 52384 | 28 | 70 | 1871 | | |
| 257.9584 | 19:08 | 19:06 | -1 | 1.109 | 188015 | 50364 | 32 | 80 | 1574 | 1.03(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:33 | 19:32 | -2 | 1.133 | 222091 | 59772 | 28 | 70 | 2135 | | |
| 257.9584 | 19:33 | 19:32 | -2 | 1.133 | 201479 | 54602 | 32 | 80 | 1706 | 1.10(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:47 | 19:45 | -1 | 1.146 | 57076 | 14582 | 28 | 70 | 521 | | |
| 257.9584 | 19:46 | 19:45 | -2 | 1.146 | 55219 | 13717 | 32 | 80 | 429 | 1.03(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:54 | 19:53 | -1 | 1.154 | 3442 | 1107 | 28 | 70 | 40 | | |
| 257.9584 | 19:54 | 19:53 | -2 | 1.153 | 3398 | 1006 | 32 | 80 | 31 | 1.01(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:01 | 20:00 | -2 | 1.160 | 57384 | 15156 | 28 | 70 | 541 | | |
| 257.9584 | 20:01 | 20:00 | -2 | 1.160 | 53201 | 13943 | 32 | 80 | 436 | 1.08(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:32 | 20:30 | -1 | 1.190 | 727515 | 185569 | 28 | 70 | 6627 | | |
| 257.9584 | 20:32 | 20:30 | -1 | 1.190 | 681524 | 172650 | 32 | 80 | 5395 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | nMa |
| 255.9613 | 21:48 | 21:48 | -1 | 1.264 | 12106 | 3208 | 556 | 1390 | 6 | | M |
| 257.9584 | 21:48 | 21:48 | -1 | 1.264 | 11307 | 2849 | 1320 | 3300 | 2 | 1.07(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:55 | | | | | | 556 | 1390 | | | |
| 257.9584 | 21:55 | | | | | | 1320 | 3300 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:15 | 22:14 | -2 | 1.289 | 251596 | 61551 | 556 | 1390 | 111 | | |
| 257.9584 | 22:15 | 22:14 | -2 | 1.289 | 230330 | 55824 | 1320 | 3300 | 42 | 1.09(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:15 | 22:14 | -2 | 1.289 | 251596 | 61551 | 556 | 1390 | 111 | | |
| 257.9584 | 22:15 | 22:14 | -2 | 1.289 | 230330 | 55824 | 1320 | 3300 | 42 | 1.09(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:30 | 0 | 0.831 | 341906 | 67311 | 556 | 1390 | 121 | | |
| 257.9584 | 22:31 | 22:30 | 1 | 0.831 | 312740 | 62343 | 1320 | 3300 | 47 | 1.09(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:49 | -1 | 0.842 | 1306480 | 312771 | 556 | 1390 | 563 | | |
| 257.9584 | 22:47 | 22:49 | -2 | 0.842 | 1210435 | 295622 | 1320 | 3300 | 224 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:07 | -2 | 0.853 | 2045242 | 489348 | 556 | 1390 | 880 | | |
| 257.9584 | 23:06 | 23:07 | -2 | 0.853 | 1866803 | 443383 | 1320 | 3300 | 336 | 1.10(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:07 | -2 | 0.853 | 2045242 | 489348 | 556 | 1390 | 880 | | |
| 257.9584 | 23:06 | 23:07 | -2 | 0.853 | 1866803 | 443383 | 1320 | 3300 | 336 | 1.10(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:19 | 23:20 | -1 | 0.861 | 941830 | 142968 | 556 | 1390 | 257 | | |
| 257.9584 | 23:19 | 23:20 | -1 | 0.861 | 893671 | 131357 | 1320 | 3300 | 100 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:19 | 23:20 | -1 | 0.861 | 941830 | 142968 | 556 | 1390 | 257 | | |
| 257.9584 | 23:19 | 23:20 | -1 | 0.861 | 893671 | 131357 | 1320 | 3300 | 100 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:43 | 23:44 | -1 | 0.876 | 290596 | 69533 | 556 | 1390 | 125 | | |
| 257.9584 | 23:43 | 23:44 | -1 | 0.876 | 269138 | 64517 | 1320 | 3300 | 49 | 1.08(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:18 | | | | | | 556 | 1390 | | | |
| 257.9584 | 25:18 | | | | | | 1320 | 3300 | | | |
| PCB-39 | | | | | | | | | | | Ma |
| 255.9613 | 25:38 | 25:38 | -1 | 0.947 | 24227 | 4613 | 556 | 1390 | 8 | | M |
| 257.9584 | 25:40 | 25:38 | 1 | 0.948 | 23274 | 4241 | 1320 | 3300 | 3 | 1.04(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:14 | | | | | | 556 | 1390 | | | |
| 257.9584 | 26:14 | | | | | | 1320 | 3300 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:41 | 26:42 | -1 | 0.985 | 50794 | 11677 | 556 | 1390 | 21 | | |
| 257.9584 | 26:41 | 26:42 | -1 | 0.985 | 45696 | 10008 | 1320 | 3300 | 8 | 1.11(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:06 | 27:06 | -1 | 1.000 | 515496 | 108435 | 556 | 1390 | 195 | | |
| 257.9584 | 27:06 | 27:06 | 0 | 1.001 | 474710 | 100214 | 1320 | 3300 | 76 | 1.09(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:20 | 20:21 | -1 | 0.817 | 103716 | 25834 | 24 | 60 | 1076 | | |
| 303.9597 | 20:20 | 20:21 | -1 | 0.817 | 121110 | 29873 | 3 | 7 | 9958 | 0.86(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:55 | -1 | | 273637 | 63177 | 57 | 142 | 1108 | | |
| 303.9597 | 24:54 | 24:55 | -1 | | 330866 | 80591 | 70 | 175 | 1151 | 0.83(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:51 | 33:49 | 1 | 1.360 | 299742 | 63841 | 57 | 142 | 1120 | | |
| 303.9597 | 33:51 | 33:49 | 1 | 1.360 | 357593 | 76514 | 70 | 175 | 1093 | 0.84(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:25 | 34:23 | 1 | 1.382 | 309571 | 64328 | 57 | 142 | 1129 | | |
| 303.9597 | 34:25 | 34:23 | 1 | 1.382 | 385646 | 83440 | 70 | 175 | 1192 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:21 | 20:23 | -2 | 1.000 | 380167 | 99246 | 13 | 32 | 7634 | | |
| 291.9194 | 20:21 | 20:23 | -2 | 1.000 | 487181 | 125368 | 26 | 65 | 4822 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:33 | -2 | 1.107 | 2787277 | 686036 | 385 | 962 | 1782 | | |
| 291.9194 | 22:31 | 22:33 | -2 | 1.107 | 3543374 | 851644 | 254 | 635 | 3353 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:33 | -2 | 1.107 | 2787277 | 686036 | 385 | 962 | 1782 | | |
| 291.9194 | 22:31 | 22:33 | -2 | 1.107 | 3543374 | 851644 | 254 | 635 | 3353 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:16 | 23:16 | -2 | 1.144 | 6720862 | 1571711 | 385 | 962 | 4082 | | |
| 291.9194 | 23:16 | 23:16 | -2 | 1.144 | 8432935 | 1985357 | 254 | 635 | 7816 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:16 | 23:16 | -2 | 1.144 | 6720862 | 1571711 | 385 | 962 | 4082 | | |
| 291.9194 | 23:16 | 23:16 | -2 | 1.144 | 8432935 | 1985357 | 254 | 635 | 7816 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:30 | 23:30 | -1 | 1.156 | 157432 | 34680 | 385 | 962 | 90 | | |
| 291.9194 | 23:30 | 23:30 | -1 | 1.156 | 194133 | 43826 | 254 | 635 | 173 | 0.81(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:55 | -1 | 1.226 | 9026321 | 2094403 | 385 | 962 | 5440 | | |
| 291.9194 | 24:56 | 24:55 | -1 | 1.226 | 11370991 | 2652823 | 254 | 635 | 10444 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:04 | 25:04 | -1 | 1.233 | 499213 | 102947 | 385 | 962 | 267 | | |
| 291.9194 | 25:04 | 25:04 | -1 | 1.233 | 613541 | 130329 | 254 | 635 | 513 | 0.81(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:04 | 25:04 | -1 | 1.233 | 499213 | 102947 | 385 | 962 | 267 | | |
| 291.9194 | 25:04 | 25:04 | -1 | 1.233 | 613541 | 130329 | 254 | 635 | 513 | 0.81(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:23 | 1 | 1.250 | 7135619 | 1607306 | 385 | 962 | 4175 | | |
| 291.9194 | 25:25 | 25:23 | 1 | 1.250 | 8890404 | 1995606 | 254 | 635 | 7857 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:23 | 1 | 1.250 | 7135619 | 1607306 | 385 | 962 | 4175 | | |
| 291.9194 | 25:25 | 25:23 | 1 | 1.250 | 8890404 | 1995606 | 254 | 635 | 7857 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:42 | 25:42 | -1 | 1.264 | 152339 | 32428 | 385 | 962 | 84 | | |
| 291.9194 | 25:42 | 25:42 | -1 | 1.264 | 180853 | 40238 | 254 | 635 | 158 | 0.84(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:56 | 1 | 1.277 | 16295105 | 3170586 | 385 | 962 | 8235 | | |
| 291.9194 | 25:58 | 25:56 | 1 | 1.277 | 20687519 | 4054301 | 254 | 635 | 15962 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:56 | 1 | 1.277 | 16295105 | 3170586 | 385 | 962 | 8235 | | |
| 291.9194 | 25:58 | 25:56 | 1 | 1.277 | 20687519 | 4054301 | 254 | 635 | 15962 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:56 | 1 | 1.277 | 16295105 | 3170586 | 385 | 962 | 8235 | | |
| 291.9194 | 25:58 | 25:56 | 1 | 1.277 | 20687519 | 4054301 | 254 | 635 | 15962 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:14 | 2 | 1.293 | 565478 | 116611 | 385 | 962 | 303 | | |
| 291.9194 | 26:17 | 26:14 | 2 | 1.293 | 720722 | 146533 | 254 | 635 | 577 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:14 | 2 | 1.293 | 565478 | 116611 | 385 | 962 | 303 | | |
| 291.9194 | 26:17 | 26:14 | 2 | 1.293 | 720722 | 146533 | 254 | 635 | 577 | 0.78(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:14 | 2 | 1.293 | 565478 | 116611 | 385 | 962 | 303 | | |
| 291.9194 | 26:17 | 26:14 | 2 | 1.293 | 720722 | 146533 | 254 | 635 | 577 | 0.78(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:27 | 26:27 | -1 | 1.301 | 359828 | 78594 | 385 | 962 | 204 | | |
| 291.9194 | 26:27 | 26:27 | -1 | 1.300 | 462482 | 99280 | 254 | 635 | 391 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:57 | 26:57 | 0 | 1.325 | 1556260 | 340564 | 385 | 962 | 885 | | M |
| 291.9194 | 26:57 | 26:57 | 0 | 1.325 | 1958190 | 427048 | 254 | 635 | 1681 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:57 | 26:57 | 0 | 1.325 | 1556260 | 340564 | 385 | 962 | 885 | | M |
| 291.9194 | 26:57 | 26:57 | 0 | 1.325 | 1958190 | 427048 | 254 | 635 | 1681 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:57 | 26:57 | 0 | 1.325 | 1556260 | 340564 | 385 | 962 | 885 | | M |
| 291.9194 | 26:57 | 26:57 | 0 | 1.325 | 1958190 | 427048 | 254 | 635 | 1681 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:10 | 27:09 | 0 | 1.336 | 1153772 | 256875 | 385 | 962 | 667 | | |
| 291.9194 | 27:10 | 27:09 | 0 | 1.336 | 1463071 | 324467 | 254 | 635 | 1277 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:01 | 28:01 | 0 | 0.827 | 111295 | 24472 | 385 | 962 | 64 | | |
| 291.9194 | 28:01 | 28:01 | 0 | 0.827 | 140133 | 32304 | 254 | 635 | 127 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:18 | 28:19 | 0 | 0.836 | 273921 | 61592 | 385 | 962 | 160 | | |
| 291.9194 | 28:18 | 28:19 | 0 | 0.836 | 365040 | 74257 | 254 | 635 | 292 | 0.75(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:44 | | | | | | 385 | 962 | | | |
| 291.9194 | 28:44 | | | | | | 254 | 635 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:58 | | | | | | 385 | 962 | | | |
| 291.9194 | 28:58 | | | | | | 254 | 635 | | | |
| PCB-67 | | | | | | | | | | | a |
| 289.9224 | 29:05 | 29:05 | -2 | 0.859 | 120055 | 16423 | 385 | 962 | 43 | | a |
| 291.9194 | 29:05 | 29:05 | -2 | 0.859 | 146933 | 21177 | 254 | 635 | 83 | 0.82(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:23 | 29:24 | 0 | 0.868 | 206511 | 45657 | 385 | 962 | 119 | | |
| 291.9194 | 29:23 | 29:24 | 0 | 0.868 | 262594 | 58209 | 254 | 635 | 229 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:44 | -1 | 0.878 | 7906721 | 1440748 | 385 | 962 | 3742 | | |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 9969333 | 1809438 | 254 | 635 | 7124 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:44 | -1 | 0.878 | 7906721 | 1440748 | 385 | 962 | 3742 | | |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 9969333 | 1809438 | 254 | 635 | 7124 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:44 | -1 | 0.878 | 7906721 | 1440748 | 385 | 962 | 3742 | | |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 9969333 | 1809438 | 254 | 635 | 7124 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:44 | -1 | 0.878 | 7906721 | 1440748 | 385 | 962 | 3742 | | |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 9969333 | 1809438 | 254 | 635 | 7124 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:03 | 30:03 | 0 | 0.888 | 2476526 | 507006 | 385 | 962 | 1317 | | M |
| 291.9194 | 30:03 | 30:03 | 0 | 0.888 | 3131564 | 644882 | 254 | 635 | 2539 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | Ma |
| 289.9224 | 30:12 | 30:12 | -1 | 0.892 | 16342 | 4110 | 385 | 962 | 11 | | M |
| 291.9194 | 30:10 | 30:12 | -2 | 0.891 | 18754 | 4648 | 254 | 635 | 18 | 0.87(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:42 | 30:44 | -1 | 0.907 | 738803 | 156339 | 385 | 962 | 406 | | |
| 291.9194 | 30:42 | 30:44 | -1 | 0.907 | 916745 | 197345 | 254 | 635 | 777 | 0.81(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:55 | 30:56 | 0 | 0.913 | 244195 | 52600 | 385 | 962 | 137 | | |
| 291.9194 | 30:55 | 30:56 | 0 | 0.913 | 300257 | 64506 | 254 | 635 | 254 | 0.81(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:22 | | | | | | 385 | 962 | | | |
| 291.9194 | 31:22 | | | | | | 254 | 635 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:53 | 32:52 | 2 | 0.971 | 166709 | 37928 | 385 | 962 | 99 | | |
| 291.9194 | 32:53 | 32:52 | 2 | 0.971 | 218744 | 47331 | 254 | 635 | 186 | 0.76(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:26 | | | | | | 385 | 962 | | | |
| 291.9194 | 33:26 | | | | | | 254 | 635 | | | |
| PCB-81 | | | | | | | | | | | RQMa |
| 289.9224 | 33:51 | 33:51 | -1 | 1.000 | 16503 | 5627 | 385 | 962 | 15 | | M |
| 291.9194 | 33:50 | 33:51 | -1 | 1.000 | 25683 | 8652 | 254 | 635 | 34 | 0.64(0.65-0.89) | |
| | Empc Correction | | | | 21432 | 7307 | 254 | 635 | 29 | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:26 | 34:26 | 1 | 1.001 | 553790 | 114727 | 385 | 962 | 298 | | |
| 291.9194 | 34:26 | 34:26 | 0 | 1.000 | 713394 | 147604 | 254 | 635 | 581 | 0.78(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:53 | -1 | 0.814 | 265918 | 61619 | 13 | 32 | 4740 | | |
| 339.9178 | 25:51 | 25:53 | -1 | 0.814 | 161016 | 38431 | 9 | 22 | 4270 | 1.65(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:47 | 31:46 | 1 | | 260791 | 55118 | 13 | 32 | 4240 | | |
| 339.9178 | 31:46 | 31:46 | 0 | | 161899 | 33928 | 9 | 22 | 3770 | 1.61(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:28 | 34:28 | 1 | 1.085 | 298895 | 61071 | 13 | 32 | 4698 | | |
| 339.9178 | 34:29 | 34:28 | 2 | 1.085 | 182500 | 36988 | 9 | 22 | 4110 | 1.64(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:26 | 36:25 | 1 | 1.146 | 433248 | 92363 | 544 | 1360 | 170 | | |
| 339.9178 | 36:26 | 36:25 | 1 | 1.146 | 276650 | 57719 | 333 | 832 | 173 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:45 | 36:45 | 1 | 1.157 | 457815 | 94998 | 544 | 1360 | 175 | | |
| 339.9178 | 36:45 | 36:45 | 1 | 1.157 | 280822 | 58238 | 333 | 832 | 175 | 1.63(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:17 | 37:17 | 1 | 1.173 | 433248 | 86927 | 544 | 1360 | 160 | | |
| 339.9178 | 37:17 | 37:17 | 1 | 1.174 | 267473 | 53113 | 333 | 832 | 159 | 1.62(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:56 | 37:56 | 1 | 1.194 | 460805 | 97438 | 544 | 1360 | 179 | | |
| 339.9178 | 37:56 | 37:56 | 1 | 1.194 | 269852 | 54561 | 333 | 832 | 164 | 1.71(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:25 | 39:23 | 2 | | 541778 | 107485 | 544 | 1360 | 198 | | |
| 339.9178 | 39:25 | 39:23 | 2 | | 321216 | 66895 | 333 | 832 | 201 | 1.69(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:02 | 41:01 | 2 | 1.291 | 451268 | 90219 | 544 | 1360 | 166 | | |
| 339.9178 | 41:01 | 41:01 | 1 | 1.291 | 270408 | 53426 | 333 | 832 | 160 | 1.67(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | 25:53 | -1 | 1.001 | 255865 | 57005 | 29 | 72 | 1966 | | |
| 327.8775 | 25:53 | 25:53 | -1 | 1.001 | 160359 | 35872 | 26 | 65 | 1380 | 1.60(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | 26:14 | -1 | 1.015 | 578346 | 131635 | 29 | 72 | 4539 | | |
| 327.8775 | 26:14 | 26:14 | -1 | 1.015 | 362553 | 84270 | 26 | 65 | 3241 | 1.60(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:11 | 28:11 | -1 | 1.090 | 924114 | 206545 | 29 | 72 | 7122 | | |
| 327.8775 | 28:11 | 28:11 | -1 | 1.090 | 585497 | 132816 | 26 | 65 | 5108 | 1.58(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:24 | 28:24 | -1 | 1.099 | 657519 | 142707 | 29 | 72 | 4921 | | |
| 327.8775 | 28:24 | 28:24 | -1 | 1.099 | 405281 | 88777 | 26 | 65 | 3415 | 1.62(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:51 | 28:50 | 0 | 1.116 | 12172635 | 2628252 | 29 | 72 | 90629 | | |
| 327.8775 | 28:51 | 28:50 | 0 | 1.116 | 7870701 | 1712524 | 26 | 65 | 65866 | 1.55(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:04 | 29:04 | -1 | 1.124 | 2634357 | 564543 | 29 | 72 | 19467 | | |
| 327.8775 | 29:04 | 29:04 | -1 | 1.124 | 1645315 | 359329 | 26 | 65 | 13820 | 1.60(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:04 | 29:04 | -1 | 1.124 | 2634357 | 564543 | 29 | 72 | 19467 | | |
| 327.8775 | 29:04 | 29:04 | -1 | 1.124 | 1645315 | 359329 | 26 | 65 | 13820 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:12 | 29:12 | -1 | 1.130 | 757892 | 139797 | 29 | 72 | 4821 | | |
| 327.8775 | 29:12 | 29:12 | -1 | 1.130 | 504454 | 90014 | 26 | 65 | 3462 | 1.50(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:12 | 29:12 | -1 | 1.130 | 757892 | 139797 | 29 | 72 | 4821 | | |
| 327.8775 | 29:12 | 29:12 | -1 | 1.130 | 504454 | 90014 | 26 | 65 | 3462 | 1.50(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:43 | 29:42 | 0 | 1.149 | 4051188 | 878037 | 29 | 72 | 30277 | | |
| 327.8775 | 29:43 | 29:42 | 0 | 1.149 | 2539896 | 551655 | 26 | 65 | 21218 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:43 | 29:42 | 0 | 1.149 | 4051188 | 878037 | 29 | 72 | 30277 | | |
| 327.8775 | 29:43 | 29:42 | 0 | 1.149 | 2539896 | 551655 | 26 | 65 | 21218 | 1.60(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:56 | 29:56 | -1 | 1.158 | 3396409 | 739690 | 29 | 72 | 25507 | | |
| 327.8775 | 29:56 | 29:56 | -1 | 1.158 | 2154142 | 464972 | 26 | 65 | 17884 | 1.58(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:25 | 30:24 | 0 | 1.176 | 87119 | 17525 | 29 | 72 | 604 | | |
| 327.8775 | 30:25 | 30:24 | 0 | 1.176 | 61277 | 10888 | 26 | 65 | 419 | 1.42(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:50 | 30:49 | 0 | 1.193 | 102993 | 20612 | 29 | 72 | 711 | | |
| 327.8775 | 30:50 | 30:49 | 0 | 1.193 | 67250 | 13675 | 26 | 65 | 526 | 1.53(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:13 | 31:13 | 1 | 0.857 | 3619816 | 785724 | 29 | 72 | 27094 | | |
| 327.8775 | 31:13 | 31:13 | 1 | 0.857 | 2287127 | 497397 | 26 | 65 | 19131 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:46 | 2 | 1.230 | 19442440 | 4034201 | 29 | 72 | 139110 | | |
| 327.8775 | 31:48 | 31:46 | 2 | 1.230 | 12416657 | 2542531 | 26 | 65 | 97790 | 1.57(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:46 | 2 | 1.230 | 19442440 | 4034201 | 29 | 72 | 139110 | | |
| 327.8775 | 31:48 | 31:46 | 2 | 1.230 | 12416657 | 2542531 | 26 | 65 | 97790 | 1.57(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:46 | 2 | 1.230 | 19442440 | 4034201 | 29 | 72 | 139110 | | |
| 327.8775 | 31:48 | 31:46 | 2 | 1.230 | 12416657 | 2542531 | 26 | 65 | 97790 | 1.57(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:23 | 32:23 | 0 | 1.252 | 7839140 | 1500405 | 29 | 72 | 51738 | | M |
| 327.8775 | 32:23 | 32:23 | 0 | 1.252 | 5056212 | 983876 | 26 | 65 | 37841 | 1.55(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:23 | 32:23 | 0 | 1.252 | 7839140 | 1500405 | 29 | 72 | 51738 | | M |
| 327.8775 | 32:23 | 32:23 | 0 | 1.252 | 5056212 | 983876 | 26 | 65 | 37841 | 1.55(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:28 | | | | | | 29 | 72 | | | |
| 327.8775 | 32:28 | | | | | | 26 | 65 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 7 | 1.275 | 11212032 | 1280145 | 29 | 72 | 44143 | | M |
| 327.8775 | 32:58 | 32:58 | 7 | 1.275 | 7200126 | 827590 | 26 | 65 | 31830 | 1.56(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 7 | 1.275 | 11212032 | 1280145 | 29 | 72 | 44143 | | M |
| 327.8775 | 32:58 | 32:58 | 7 | 1.275 | 7200126 | 827590 | 26 | 65 | 31830 | 1.56(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 7 | 1.275 | 11212032 | 1280145 | 29 | 72 | 44143 | | M |
| 327.8775 | 32:58 | 32:58 | 7 | 1.275 | 7200126 | 827590 | 26 | 65 | 31830 | 1.56(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 7 | 1.275 | 11212032 | 1280145 | 29 | 72 | 44143 | | M |
| 327.8775 | 32:58 | 32:58 | 7 | 1.275 | 7200126 | 827590 | 26 | 65 | 31830 | 1.56(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 7 | 1.275 | 11212032 | 1280145 | 29 | 72 | 44143 | | M |
| 327.8775 | 32:58 | 32:58 | 7 | 1.275 | 7200126 | 827590 | 26 | 65 | 31830 | 1.56(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:58 | 32:58 | 7 | 1.275 | 11212032 | 1280145 | 29 | 72 | 44143 | | M |
| 327.8775 | 32:58 | 32:58 | 7 | 1.275 | 7200126 | 827590 | 26 | 65 | 31830 | 1.56(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:35 | 0 | 1.299 | 2752917 | 378895 | 29 | 72 | 13065 | | |
| 327.8775 | 33:36 | 33:35 | 0 | 1.299 | 1729057 | 239765 | 26 | 65 | 9222 | 1.59(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:35 | 0 | 1.299 | 2752917 | 378895 | 29 | 72 | 13065 | | |
| 327.8775 | 33:36 | 33:35 | 0 | 1.299 | 1729057 | 239765 | 26 | 65 | 9222 | 1.59(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:35 | 0 | 1.299 | 2752917 | 378895 | 29 | 72 | 13065 | | |
| 327.8775 | 33:36 | 33:35 | 0 | 1.299 | 1729057 | 239765 | 26 | 65 | 9222 | 1.59(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:49 | -4 | 1.306 | 19745989 | 3994030 | 29 | 72 | 137725 | | |
| 327.8775 | 33:46 | 33:49 | -4 | 1.306 | 12578456 | 2534173 | 26 | 65 | 97468 | 1.57(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:49 | -4 | 1.306 | 19745989 | 3994030 | 29 | 72 | 137725 | | |
| 327.8775 | 33:46 | 33:49 | -4 | 1.306 | 12578456 | 2534173 | 26 | 65 | 97468 | 1.57(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:05 | 34:04 | 0 | 1.318 | 1246407 | 248523 | 29 | 72 | 8570 | | |
| 327.8775 | 34:05 | 34:04 | 0 | 1.318 | 780957 | 157362 | 26 | 65 | 6052 | 1.60(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:29 | 34:27 | 1 | 1.334 | 88836 | 16214 | 29 | 72 | 559 | | |
| 327.8775 | 34:30 | 34:27 | 2 | 1.334 | 58374 | 9437 | 26 | 65 | 363 | 1.52(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:58 | 34:56 | 1 | 1.352 | 149054 | 27282 | 29 | 72 | 941 | | |
| 327.8775 | 34:57 | 34:56 | 0 | 1.352 | 92584 | 17601 | 26 | 65 | 677 | 1.61(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:03 | 2 | 1.396 | 1036654 | 214380 | 2062 | 5155 | 104 | | |
| 327.8775 | 36:06 | 36:03 | 2 | 1.396 | 645384 | 130496 | 1212 | 3030 | 108 | 1.61(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:03 | 2 | 1.396 | 1036654 | 214380 | 2062 | 5155 | 104 | | |
| 327.8775 | 36:06 | 36:03 | 2 | 1.396 | 645384 | 130496 | 1212 | 3030 | 108 | 1.61(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:20 | 36:18 | 1 | 1.405 | 2089988 | 425544 | 2062 | 5155 | 206 | | |
| 327.8775 | 36:20 | 36:18 | 1 | 1.405 | 1302024 | 264003 | 1212 | 3030 | 218 | 1.61(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:27 | 36:27 | 1 | 1.001 | 350503 | 76519 | 2062 | 5155 | 37 | | |
| 327.8775 | 36:27 | 36:27 | 1 | 1.001 | 213288 | 45771 | 1212 | 3030 | 38 | 1.64(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:34 | | | | | | 2062 | 5155 | | | |
| 327.8775 | 36:34 | | | | | | 1212 | 3030 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:47 | 36:47 | 1 | 1.001 | 23671116 | 4829535 | 2062 | 5155 | 2342 | | |
| 327.8775 | 36:47 | 36:47 | 1 | 1.001 | 14816458 | 2984266 | 1212 | 3030 | 2462 | 1.60(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:07 | 37:07 | 1 | 1.010 | 270329 | 48710 | 2062 | 5155 | 24 | | |
| 327.8775 | 37:07 | 37:07 | 1 | 1.010 | 161967 | 31319 | 1212 | 3030 | 26 | 1.67(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:18 | 37:17 | 1 | 1.001 | 538129 | 92792 | 2062 | 5155 | 45 | | |
| 327.8775 | 37:18 | 37:17 | 1 | 1.001 | 346648 | 57733 | 1212 | 3030 | 48 | 1.55(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:57 | 37:57 | 1 | 1.001 | 8665674 | 1695179 | 2062 | 5155 | 822 | | |
| 327.8775 | 37:57 | 37:57 | 1 | 1.001 | 5462557 | 1077612 | 1212 | 3030 | 889 | 1.59(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:26 | | | | | | 2062 | 5155 | | | |
| 327.8775 | 39:26 | | | | | | 1212 | 3030 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 41:03 | 41:03 | 2 | 1.001 | 137557 | 26832 | 2062 | 5155 | 13 | | M |
| 327.8775 | 41:03 | 41:03 | 1 | 1.000 | 91066 | 17462 | 1212 | 3030 | 14 | 1.51(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:33 | 31:34 | 0 | 0.791 | 219720 | 47555 | 40 | 100 | 1189 | | |
| 373.8788 | 31:33 | 31:34 | 0 | 0.791 | 191703 | 39468 | 9 | 22 | 4385 | 1.15(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:53 | 39:52 | 1 | | 316226 | 61874 | 88 | 220 | 703 | | |
| 373.8788 | 39:54 | 39:52 | 2 | | 258084 | 52738 | 170 | 425 | 310 | 1.23(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:54 | 42:53 | 2 | 1.076 | 331201 | 67716 | 88 | 220 | 770 | | |
| 373.8788 | 42:54 | 42:53 | 2 | 1.076 | 267503 | 51069 | 170 | 425 | 300 | 1.24(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:03 | 3 | 1.105 | 676458 | 103167 | 88 | 220 | 1172 | | |
| 373.8788 | 44:03 | 44:03 | 2 | 1.105 | 523430 | 75953 | 170 | 425 | 447 | 1.29(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:03 | 3 | 1.105 | 676458 | 103167 | 88 | 220 | 1172 | | |
| 373.8788 | 44:03 | 44:03 | 2 | 1.105 | 523430 | 75953 | 170 | 425 | 447 | 1.29(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:18 | 47:17 | 3 | 1.186 | 349439 | 69499 | 88 | 220 | 790 | | |
| 373.8788 | 47:17 | 47:17 | 2 | 1.186 | 262139 | 52418 | 170 | 425 | 308 | 1.33(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:34 | 31:34 | 0 | 1.001 | 27188 | 5688 | 11 | 27 | 517 | | |
| 361.8385 | 31:34 | 31:34 | 0 | 1.001 | 21700 | 5124 | 18 | 45 | 285 | 1.25(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:46 | 31:46 | 0 | 1.007 | 285387 | 60041 | 11 | 27 | 5458 | | |
| 361.8385 | 31:45 | 31:46 | -1 | 1.006 | 226557 | 48531 | 18 | 45 | 2696 | 1.26(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:56 | 31:56 | 0 | 1.012 | 269125 | 57068 | 11 | 27 | 5188 | | |
| 361.8385 | 31:56 | 31:56 | 0 | 1.012 | 215115 | 45605 | 18 | 45 | 2534 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:17 | 32:17 | 0 | 1.023 | 2510628 | 536616 | 11 | 27 | 48783 | | |
| 361.8385 | 32:17 | 32:17 | 0 | 1.023 | 2008579 | 425287 | 18 | 45 | 23627 | 1.25(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQMa |
| 359.8415 | 32:36 | 32:36 | 0 | 1.033 | 11091 | 1720 | 11 | 27 | 156 | | M |
| | Empc Correction | | | | 9498 | 1802 | 11 | 27 | 164 | | |
| 361.8385 | 32:35 | 32:36 | -1 | 1.033 | 7660 | 1454 | 18 | 45 | 81 | 1.45(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:07 | 34:06 | 1 | 1.082 | 164690 | 34008 | 11 | 27 | 3092 | | |
| 361.8385 | 34:07 | 34:06 | 1 | 1.082 | 131951 | 27611 | 18 | 45 | 1534 | 1.25(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:42 | 34:41 | 0 | 1.100 | 4820193 | 667438 | 11 | 27 | 60676 | | |
| 361.8385 | 34:42 | 34:41 | 0 | 1.100 | 3863979 | 535441 | 18 | 45 | 29747 | 1.25(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:42 | 34:41 | 0 | 1.100 | 4820193 | 667438 | 11 | 27 | 60676 | | |
| 361.8385 | 34:42 | 34:41 | 0 | 1.100 | 3863979 | 535441 | 18 | 45 | 29747 | 1.25(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:58 | 34:57 | 0 | 1.108 | 661185 | 133530 | 11 | 27 | 12139 | | |
| 361.8385 | 34:58 | 34:57 | 0 | 1.108 | 527550 | 108287 | 18 | 45 | 6016 | 1.25(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:16 | 35:16 | 0 | 1.118 | 515860 | 104613 | 11 | 27 | 9510 | | |
| 361.8385 | 35:16 | 35:16 | 0 | 1.118 | 408004 | 83520 | 18 | 45 | 4640 | 1.26(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | Ma |
| 359.8415 | 35:38 | 35:38 | 0 | 1.129 | 16994318 | 3396042 | 161 | 402 | 21093 | | M |
| 361.8385 | 35:38 | 35:38 | 0 | 1.129 | 13685677 | 2727345 | 266 | 665 | 10253 | 1.24(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | Ma |
| 359.8415 | 35:38 | 35:38 | 0 | 1.129 | 16994318 | 3396042 | 161 | 402 | 21093 | | M |
| 361.8385 | 35:38 | 35:38 | 0 | 1.129 | 13685677 | 2727345 | 266 | 665 | 10253 | 1.24(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:50 | 35:50 | -6 | 1.136 | 1203796 | 221482 | 161 | 402 | 1376 | | a |
| 361.8385 | 35:50 | 35:50 | -6 | 1.136 | 949145 | 177347 | 266 | 665 | 667 | 1.27(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:50 | 35:50 | -6 | 1.136 | 1203796 | 221482 | 161 | 402 | 1376 | | a |
| 361.8385 | 35:50 | 35:50 | -6 | 1.136 | 949145 | 177347 | 266 | 665 | 667 | 1.27(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:14 | 36:14 | 0 | 1.148 | 494204 | 89353 | 161 | 402 | 555 | | |
| 361.8385 | 36:14 | 36:14 | 0 | 1.148 | 381474 | 70697 | 266 | 665 | 266 | 1.30(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:14 | 36:14 | 0 | 1.148 | 494204 | 89353 | 161 | 402 | 555 | | |
| 361.8385 | 36:14 | 36:14 | 0 | 1.148 | 381474 | 70697 | 266 | 665 | 266 | 1.30(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:26 | 36:25 | 0 | 1.155 | 258455 | 49017 | 161 | 402 | 304 | | |
| 361.8385 | 36:26 | 36:25 | 1 | 1.155 | 206780 | 39855 | 266 | 665 | 150 | 1.25(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:34 | | | | | | 161 | 402 | | | |
| 361.8385 | 36:34 | | | | | | 266 | 665 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:53 | 36:53 | 1 | 1.169 | 5957524 | 1200316 | 161 | 402 | 7455 | | |
| 361.8385 | 36:53 | 36:53 | 1 | 1.169 | 4749462 | 958461 | 266 | 665 | 3603 | 1.25(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:25 | 37:23 | 1 | 1.186 | 681623 | 140841 | 161 | 402 | 875 | | |
| 361.8385 | 37:25 | 37:23 | 1 | 1.186 | 539494 | 110844 | 266 | 665 | 417 | 1.26(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:48 | 37:49 | 1 | 0.881 | 118936 | 23590 | 161 | 402 | 147 | | |
| 361.8385 | 37:48 | 37:49 | 1 | 0.881 | 88214 | 18513 | 266 | 665 | 70 | 1.35(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:03 | 38:03 | 1 | 0.887 | 3945617 | 795749 | 161 | 402 | 4943 | | |
| 361.8385 | 38:03 | 38:03 | 1 | 0.887 | 3153890 | 639820 | 266 | 665 | 2405 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:11 | | | | | | 161 | 402 | | | |
| 361.8385 | 38:11 | | | | | | 266 | 665 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:40 | 38:43 | -1 | 0.901 | 17564294 | 3517766 | 161 | 402 | 21849 | | |
| 361.8385 | 38:40 | 38:43 | -1 | 0.901 | 14124849 | 2831413 | 266 | 665 | 10644 | 1.24(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:40 | 38:43 | -1 | 0.901 | 17564294 | 3517766 | 161 | 402 | 21849 | | |
| 361.8385 | 38:40 | 38:43 | -1 | 0.901 | 14124849 | 2831413 | 266 | 665 | 10644 | 1.24(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:52 | 38:52 | 1 | 0.906 | 3038729 | 598554 | 161 | 402 | 3718 | | |
| 361.8385 | 38:52 | 38:52 | 1 | 0.906 | 2411323 | 480929 | 266 | 665 | 1808 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:16 | 39:17 | 1 | 0.915 | 1133508 | 229988 | 161 | 402 | 1428 | | |
| 361.8385 | 39:16 | 39:17 | 1 | 0.915 | 910613 | 183628 | 266 | 665 | 690 | 1.24(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:29 | 39:30 | 1 | 0.920 | 909732 | 186738 | 161 | 402 | 1160 | | |
| 361.8385 | 39:29 | 39:30 | 1 | 0.920 | 721012 | 149460 | 266 | 665 | 562 | 1.26(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:36 | 39:37 | 1 | 0.923 | 1679473 | 333489 | 161 | 402 | 2071 | | |
| 361.8385 | 39:36 | 39:37 | 1 | 0.923 | 1353141 | 268255 | 266 | 665 | 1008 | 1.24(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:55 | 39:56 | 1 | 0.930 | 20077153 | 3779437 | 161 | 402 | 23475 | | |
| 361.8385 | 39:55 | 39:56 | 1 | 0.930 | 16156532 | 3012800 | 266 | 665 | 11326 | 1.24(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 39:56 | 1 | 0.930 | 20077153 | 3779437 | 161 | 402 | 23475 | | |
| 361.8385 | 39:55 | 39:56 | 1 | 0.930 | 16156532 | 3012800 | 266 | 665 | 11326 | 1.24(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 39:56 | 1 | 0.930 | 20077153 | 3779437 | 161 | 402 | 23475 | | |
| 361.8385 | 39:55 | 39:56 | 1 | 0.930 | 16156532 | 3012800 | 266 | 665 | 11326 | 1.24(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:55 | 39:56 | 1 | 0.930 | 20077153 | 3779437 | 161 | 402 | 23475 | | |
| 361.8385 | 39:55 | 39:56 | 1 | 0.930 | 16156532 | 3012800 | 266 | 665 | 11326 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:18 | 40:19 | 1 | 0.939 | 2648502 | 504362 | 161 | 402 | 3133 | | |
| 361.8385 | 40:18 | 40:19 | 1 | 0.939 | 2104661 | 403741 | 266 | 665 | 1518 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:11 | 41:10 | 3 | 0.960 | 3279554 | 598798 | 161 | 402 | 3719 | | |
| 361.8385 | 41:10 | 41:10 | 2 | 0.959 | 2620449 | 478161 | 266 | 665 | 1798 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:11 | 41:10 | 3 | 0.960 | 3279554 | 598798 | 161 | 402 | 3719 | | |
| 361.8385 | 41:10 | 41:10 | 2 | 0.959 | 2620449 | 478161 | 266 | 665 | 1798 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:08 | 42:10 | 0 | 0.982 | 170027 | 31496 | 161 | 402 | 196 | | |
| 361.8385 | 42:08 | 42:10 | 0 | 0.982 | 142748 | 26320 | 266 | 665 | 99 | 1.19(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:27 | | | | | | 161 | 402 | | | |
| 361.8385 | 42:27 | | | | | | 266 | 665 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:56 | 42:56 | 2 | 1.001 | 945386 | 188637 | 161 | 402 | 1172 | | |
| 361.8385 | 42:56 | 42:56 | 2 | 1.001 | 758436 | 151518 | 266 | 665 | 570 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:03 | 44:06 | 0 | 1.000 | 2851952 | 500314 | 161 | 402 | 3108 | | |
| 361.8385 | 44:03 | 44:06 | 0 | 1.000 | 2277635 | 395528 | 266 | 665 | 1487 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:03 | 44:06 | 0 | 1.000 | 2851952 | 500314 | 161 | 402 | 3108 | | |
| 361.8385 | 44:03 | 44:06 | 0 | 1.000 | 2277635 | 395528 | 266 | 665 | 1487 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:19 | | | | | | 161 | 402 | | | |
| 361.8385 | 47:19 | | | | | | 266 | 665 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:17 | 37:18 | 1 | 0.820 | 243308 | 50752 | 62 | 155 | 819 | | |
| 407.8398 | 37:17 | 37:18 | 1 | 0.820 | 236194 | 48092 | 2 | 5 | 24046 | 1.03(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:21 | 40:21 | 2 | 0.888 | 208507 | 41348 | 62 | 155 | 667 | | |
| 407.8398 | 40:21 | 40:21 | 2 | 0.888 | 171747 | 35034 | 2 | 5 | 17517 | 1.21(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:27 | 45:25 | 2 | | 239128 | 46504 | 62 | 155 | 750 | | |
| 407.8398 | 45:27 | 45:25 | 2 | | 216286 | 44339 | 2 | 5 | 22170 | 1.11(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:42 | 46:43 | 2 | 1.028 | 160647 | 32450 | 62 | 155 | 523 | | |
| 407.8398 | 46:42 | 46:43 | 2 | 1.028 | 150994 | 30828 | 2 | 5 | 15414 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:49 | 49:50 | 2 | 1.096 | 410554 | 77161 | 629 | 1572 | 123 | | |
| 407.8398 | 49:50 | 49:50 | 3 | 1.096 | 395253 | 80229 | 727 | 1817 | 110 | 1.04(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:19 | 37:19 | 1 | 1.001 | 86557 | 18230 | 6 | 15 | 3038 | | |
| 395.7995 | 37:19 | 37:19 | 1 | 1.001 | 80908 | 16743 | 8 | 20 | 2093 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:39 | 37:39 | 1 | 1.009 | 1949373 | 394754 | 6 | 15 | 65792 | | |
| 395.7995 | 37:39 | 37:39 | 1 | 1.009 | 1852852 | 377345 | 8 | 20 | 47168 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:11 | | | | | | 6 | 15 | | | |
| 395.7995 | 38:11 | | | | | | 8 | 20 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:32 | 38:32 | 1 | 1.033 | 539635 | 107547 | 6 | 15 | 17925 | | |
| 395.7995 | 38:32 | 38:32 | 1 | 1.033 | 498887 | 99922 | 8 | 20 | 12490 | 1.08(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:00 | | | | | | 6 | 15 | | | |
| 395.7995 | 39:00 | | | | | | 8 | 20 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:23 | 40:22 | 2 | 1.083 | 823785 | 167994 | 6 | 15 | 27999 | | |
| 395.7995 | 40:23 | 40:22 | 2 | 1.083 | 786391 | 159438 | 8 | 20 | 19930 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:00 | 41:01 | 1 | 1.100 | 126254 | 24352 | 6 | 15 | 4059 | | |
| 395.7995 | 41:00 | 41:01 | 1 | 1.100 | 114688 | 23085 | 8 | 20 | 2886 | 1.10(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:17 | 41:17 | 1 | 1.107 | 3911405 | 785171 | 6 | 15 | 130862 | | |
| 395.7995 | 41:17 | 41:17 | 1 | 1.107 | 3709441 | 741813 | 8 | 20 | 92727 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:29 | 41:29 | 2 | 1.113 | 60493 | 9590 | 6 | 15 | 1598 | | |
| 395.7995 | 41:29 | 41:29 | 2 | 1.113 | 57145 | 10346 | 8 | 20 | 1293 | 1.06(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:54 | 41:53 | 2 | 1.123 | 1977759 | 336730 | 6 | 15 | 56122 | | |
| 395.7995 | 41:54 | 41:53 | 2 | 1.123 | 1863738 | 323264 | 8 | 20 | 40408 | 1.06(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:54 | 41:53 | 2 | 1.123 | 1977759 | 336730 | 6 | 15 | 56122 | | |
| 395.7995 | 41:54 | 41:53 | 2 | 1.123 | 1863738 | 323264 | 8 | 20 | 40408 | 1.06(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:08 | 42:07 | 2 | 1.130 | 2552778 | 501497 | 6 | 15 | 83583 | | |
| 395.7995 | 42:08 | 42:07 | 2 | 1.130 | 2413399 | 474049 | 8 | 20 | 59256 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:34 | 42:34 | 1 | 1.141 | 1746597 | 346420 | 6 | 15 | 57737 | | |
| 395.7995 | 42:34 | 42:34 | 1 | 1.141 | 1667890 | 327816 | 8 | 20 | 40977 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:58 | 42:58 | 2 | 1.152 | 42124 | 8065 | 6 | 15 | 1344 | | |
| 395.7995 | 42:58 | 42:58 | 2 | 1.152 | 42227 | 7756 | 8 | 20 | 970 | 1.00(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:11 | 2 | 1.158 | 892330 | 173162 | 6 | 15 | 28860 | | |
| 395.7995 | 43:11 | 43:11 | 2 | 1.158 | 857352 | 165016 | 8 | 20 | 20627 | 1.04(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:11 | 2 | 1.158 | 892330 | 173162 | 6 | 15 | 28860 | | |
| 395.7995 | 43:11 | 43:11 | 2 | 1.158 | 857352 | 165016 | 8 | 20 | 20627 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:49 | 44:49 | 2 | 0.900 | 465913 | 91122 | 6 | 15 | 15187 | | |
| 395.7995 | 44:49 | 44:49 | 2 | 0.900 | 444378 | 88088 | 8 | 20 | 11011 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:06 | | | | | | 6 | 15 | | | |
| 395.7995 | 45:06 | | | | | | 8 | 20 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:29 | 45:29 | 5 | 0.913 | 6838693 | 1257238 | 6 | 15 | 209540 | | a |
| 395.7995 | 45:29 | 45:29 | 5 | 0.913 | 6503998 | 1203769 | 8 | 20 | 150471 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:29 | 45:29 | 5 | 0.913 | 6838693 | 1257238 | 6 | 15 | 209540 | | a |
| 395.7995 | 45:29 | 45:29 | 5 | 0.913 | 6503998 | 1203769 | 8 | 20 | 150471 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:50 | 45:50 | 2 | 0.920 | 171922 | 32090 | 6 | 15 | 5348 | | |
| 395.7995 | 45:50 | 45:50 | 2 | 0.920 | 167604 | 29804 | 8 | 20 | 3726 | 1.03(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:44 | 46:44 | 2 | 0.938 | 2681891 | 523193 | 6 | 15 | 87199 | | |
| 395.7995 | 46:43 | 46:44 | 1 | 0.938 | 2552649 | 496821 | 8 | 20 | 62103 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:15 | 47:15 | 2 | 0.949 | 752844 | 145275 | 6 | 15 | 24213 | | |
| 395.7995 | 47:15 | 47:15 | 2 | 0.949 | 702801 | 133981 | 8 | 20 | 16748 | 1.07(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:51 | 49:51 | 2 | 1.001 | 313330 | 59555 | 173 | 432 | 344 | | |
| 395.7995 | 49:51 | 49:51 | 2 | 1.001 | 284581 | 55440 | 135 | 337 | 411 | 1.10(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:40 | 42:40 | 1 | 0.822 | 185427 | 39043 | 3 | 7 | 13014 | | |
| 441.8008 | 42:40 | 42:40 | 1 | 0.822 | 221353 | 41048 | 31 | 77 | 1324 | 0.84(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:56 | 51:54 | 2 | | 265722 | 52471 | 408 | 1020 | 129 | | |
| 441.8008 | 51:57 | 51:54 | 3 | | 277281 | 53074 | 587 | 1467 | 90 | 0.96(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:25 | 52:24 | 3 | 1.009 | 276276 | 51843 | 408 | 1020 | 127 | | |
| 441.8008 | 52:25 | 52:24 | 3 | 1.009 | 293440 | 53612 | 587 | 1467 | 91 | 0.94(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:42 | 42:42 | 1 | 1.001 | 262247 | 51950 | 7 | 17 | 7421 | | |
| 429.7606 | 42:42 | 42:42 | 1 | 1.001 | 289431 | 57677 | 3 | 7 | 19226 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:37 | 43:37 | 2 | 1.022 | 179931 | 36989 | 7 | 17 | 5284 | | |
| 429.7606 | 43:37 | 43:37 | 2 | 1.022 | 197843 | 39730 | 3 | 7 | 13243 | 0.91(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:17 | | | | | | 7 | 17 | | | |
| 429.7606 | 44:17 | | | | | | 3 | 7 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:31 | 44:31 | 2 | 1.044 | 53615 | 13499 | 7 | 17 | 1928 | | |
| 429.7606 | 44:31 | 44:31 | 2 | 1.044 | 64283 | 15169 | 3 | 7 | 5056 | 0.83(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:38 | 44:37 | 2 | 1.046 | 166201 | 30783 | 7 | 17 | 4398 | | |
| 429.7606 | 44:38 | 44:37 | 2 | 1.046 | 187599 | 34457 | 3 | 7 | 11486 | 0.89(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:26 | 47:24 | 4 | 1.112 | 960458 | 181385 | 7 | 17 | 25912 | | |
| 429.7606 | 47:26 | 47:24 | 4 | 1.112 | 1073151 | 201087 | 3 | 7 | 67029 | 0.89(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:26 | 47:24 | 4 | 1.112 | 960458 | 181385 | 7 | 17 | 25912 | | |
| 429.7606 | 47:26 | 47:24 | 4 | 1.112 | 1073151 | 201087 | 3 | 7 | 67029 | 0.89(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:06 | 48:06 | 2 | 0.917 | 534881 | 104606 | 7 | 17 | 14944 | | |
| 429.7606 | 48:06 | 48:06 | 2 | 0.917 | 598117 | 117924 | 3 | 7 | 39308 | 0.89(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:17 | 48:18 | 2 | 0.921 | 701908 | 134791 | 7 | 17 | 19256 | | |
| 429.7606 | 48:17 | 48:18 | 2 | 0.921 | 780623 | 151174 | 3 | 7 | 50391 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:36 | 49:37 | 2 | 0.946 | 652991 | 126156 | 121 | 302 | 1043 | | |
| 429.7606 | 49:36 | 49:37 | 2 | 0.946 | 726556 | 140072 | 80 | 200 | 1751 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:58 | 51:58 | 3 | 0.991 | 1679454 | 320759 | 121 | 302 | 2651 | | |
| 429.7606 | 51:58 | 51:58 | 2 | 0.991 | 1862699 | 354020 | 80 | 200 | 4425 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:27 | 52:27 | 3 | 1.000 | 117269 | 21709 | 121 | 302 | 179 | | |
| 429.7606 | 52:27 | 52:27 | 3 | 1.000 | 128765 | 24169 | 80 | 200 | 302 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:22 | 49:22 | 2 | 0.950 | 226550 | 47742 | 323 | 807 | 148 | | |
| 475.7619 | 49:21 | 49:22 | 1 | 0.950 | 267225 | 53619 | 355 | 887 | 151 | 0.85(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:11 | 54:10 | 3 | 1.043 | 170730 | 30849 | 323 | 807 | 96 | | |
| 475.7619 | 54:11 | 54:10 | 3 | 1.043 | 212931 | 39614 | 355 | 887 | 112 | 0.80(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:23 | 49:23 | 1 | 1.000 | 113605 | 21882 | 122 | 305 | 179 | | |
| 463.7216 | 49:23 | 49:23 | 1 | 1.000 | 144993 | 30159 | 175 | 437 | 172 | 0.78(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:18 | 50:19 | 1 | 1.019 | 71961 | 13877 | 122 | 305 | 114 | | |
| 463.7216 | 50:19 | 50:19 | 2 | 1.019 | 91859 | 17834 | 175 | 437 | 102 | 0.78(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:12 | 54:12 | 3 | 1.000 | 389812 | 74657 | 122 | 305 | 612 | | |
| 463.7216 | 54:12 | 54:12 | 3 | 1.000 | 497705 | 95888 | 175 | 437 | 548 | 0.78(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:50 | 55:48 | 3 | 1.075 | 150623 | 25436 | 12 | 30 | 2120 | | |
| 509.7229 | 55:50 | 55:48 | 3 | 1.075 | 217480 | 36357 | 3 | 7 | 12119 | 0.69(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:51 | 55:51 | 3 | 1.000 | 91060 | 16220 | 10 | 25 | 1622 | | |
| 497.6826 | 55:51 | 55:51 | 3 | 1.000 | 127586 | 23001 | 15 | 37 | 1533 | 0.71(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

n - Failed Sig-To-Noise Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville

| | | | |
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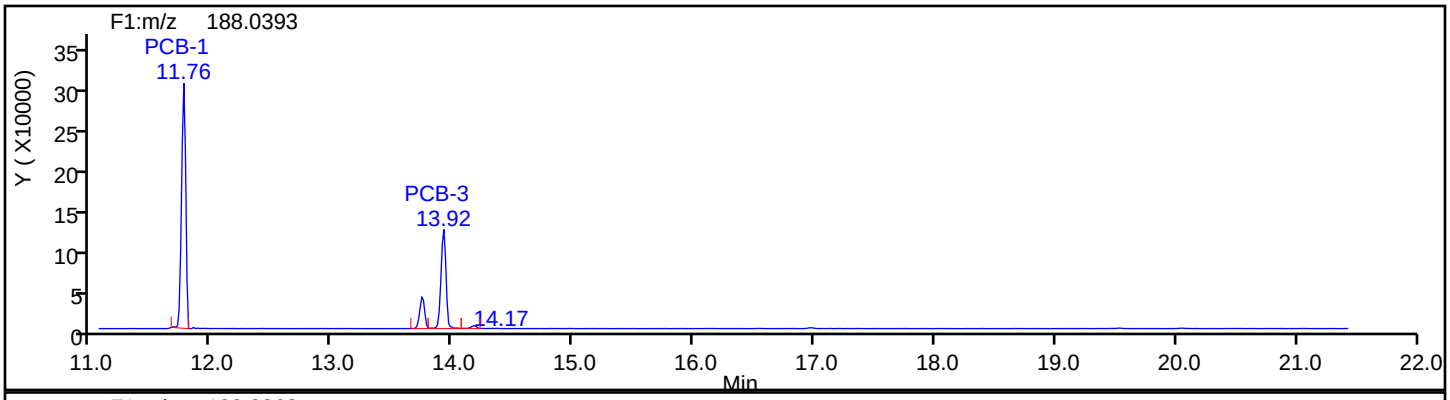
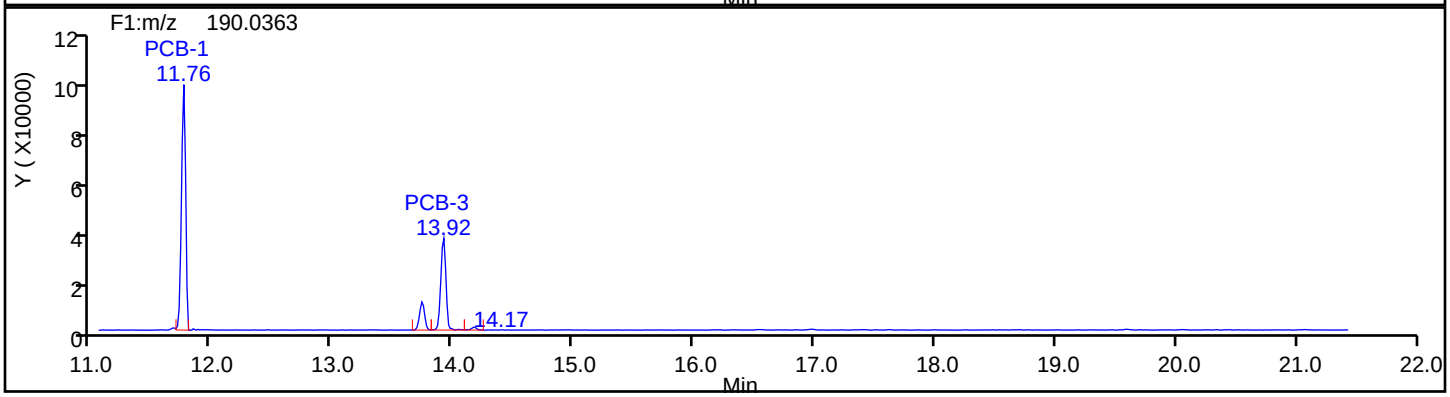
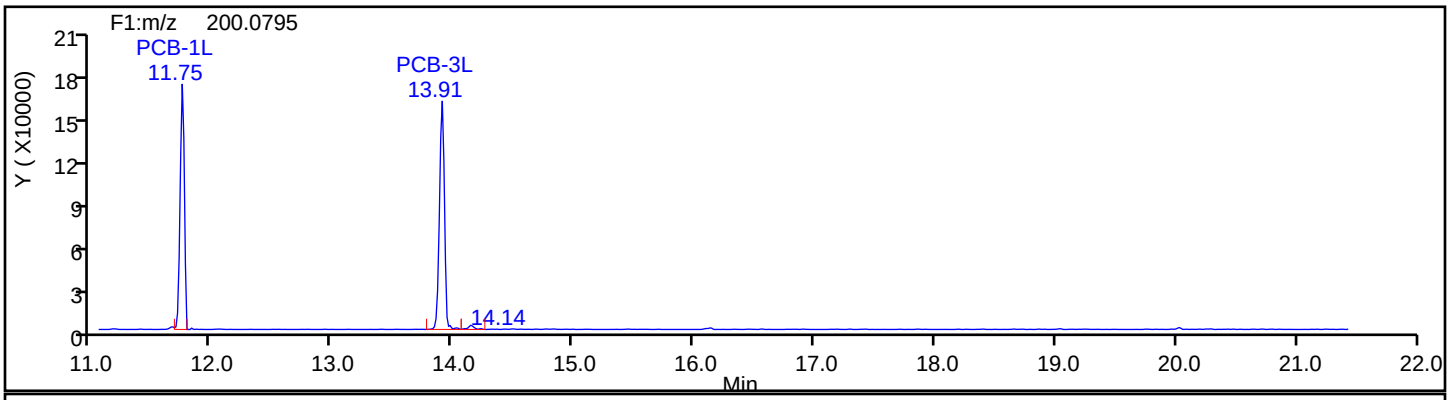
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

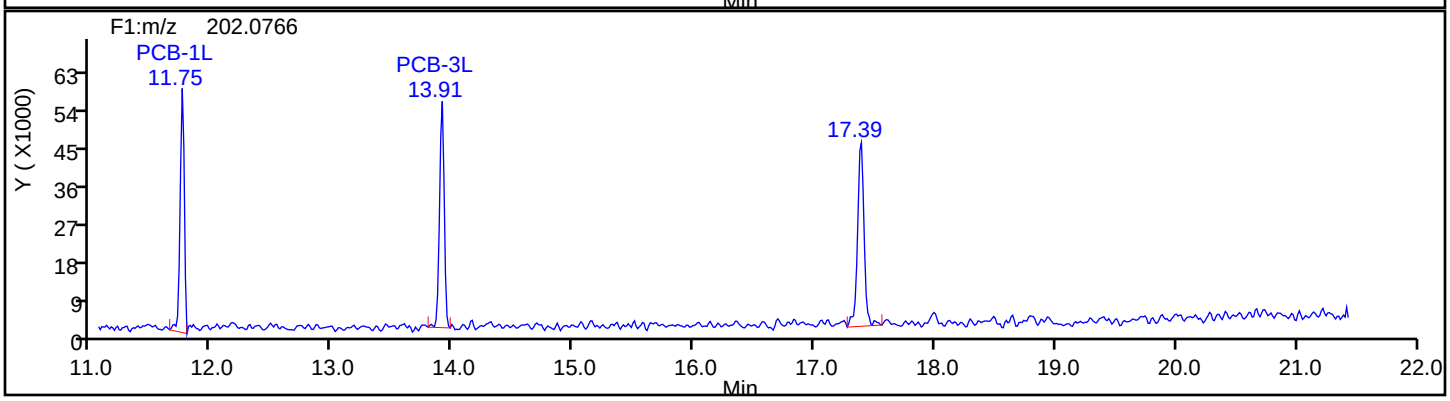
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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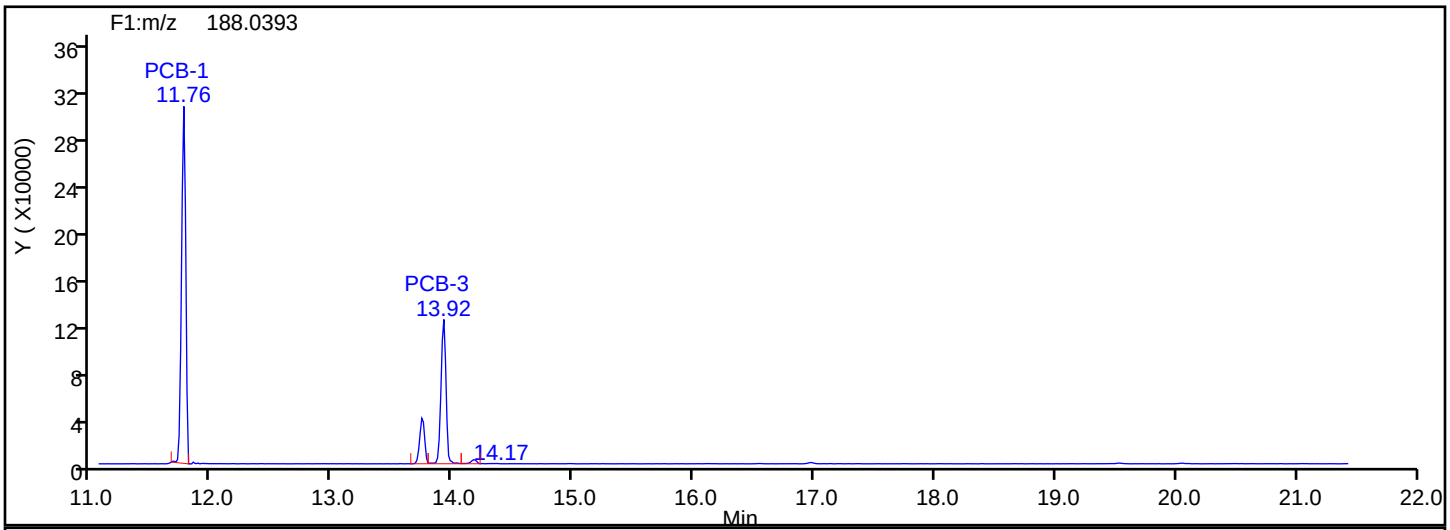
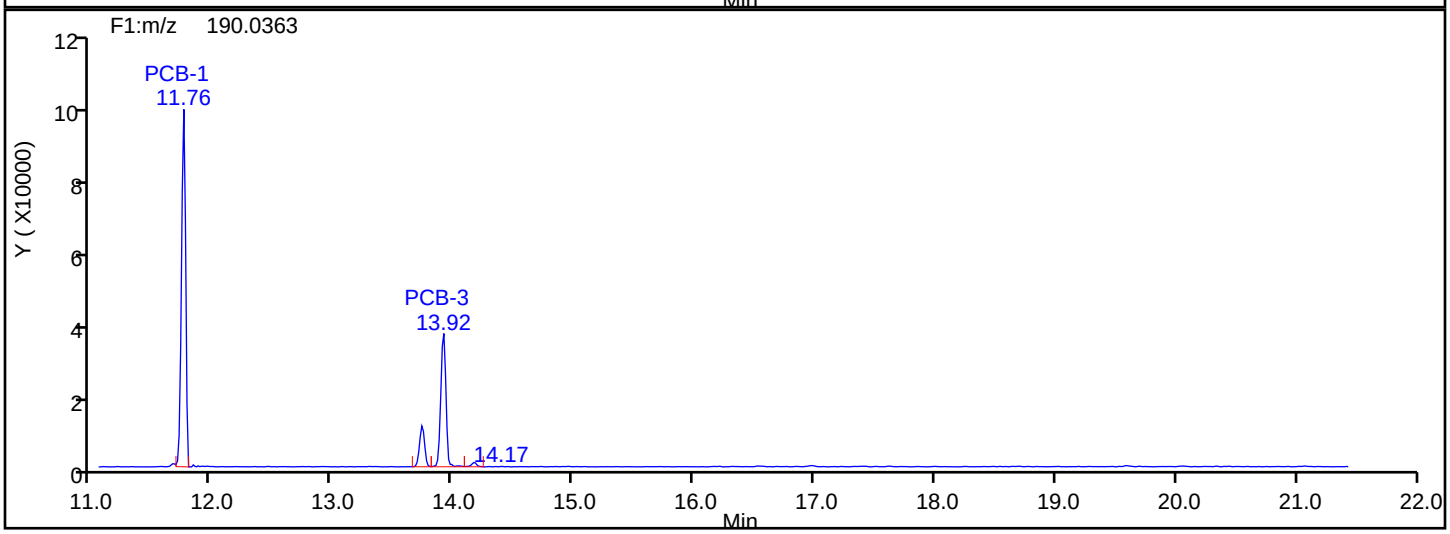
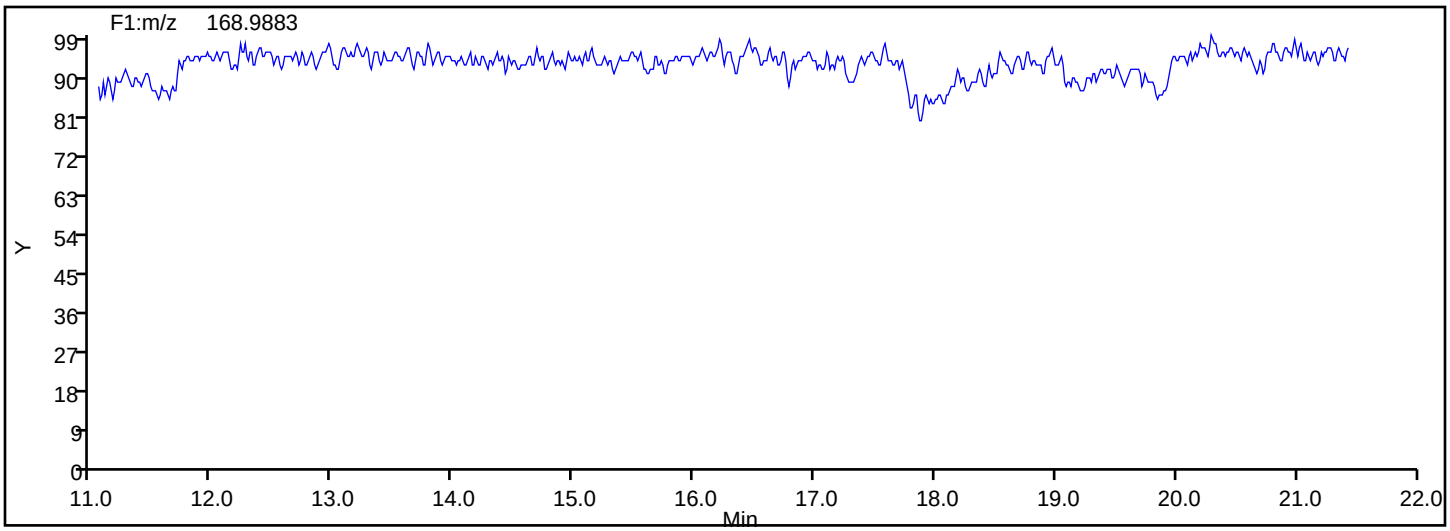
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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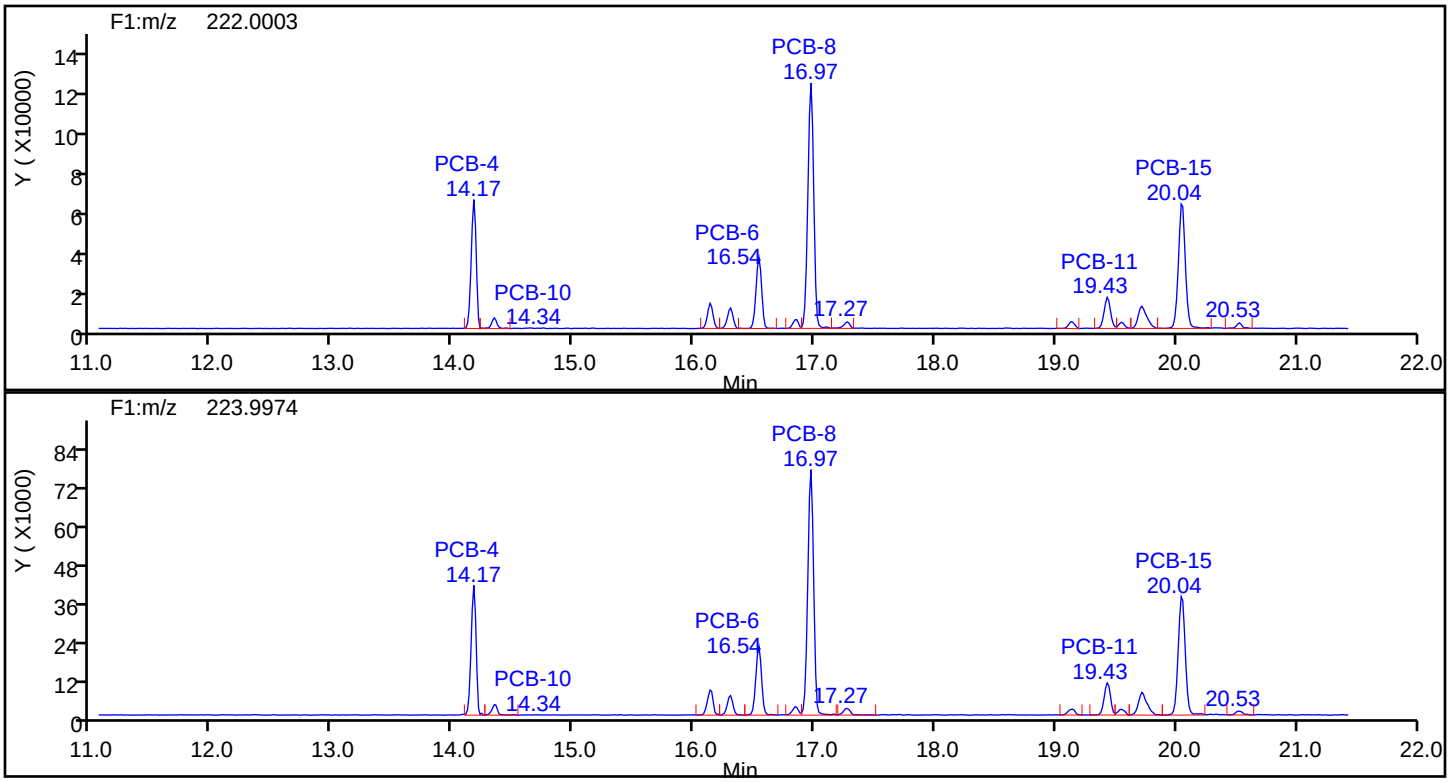
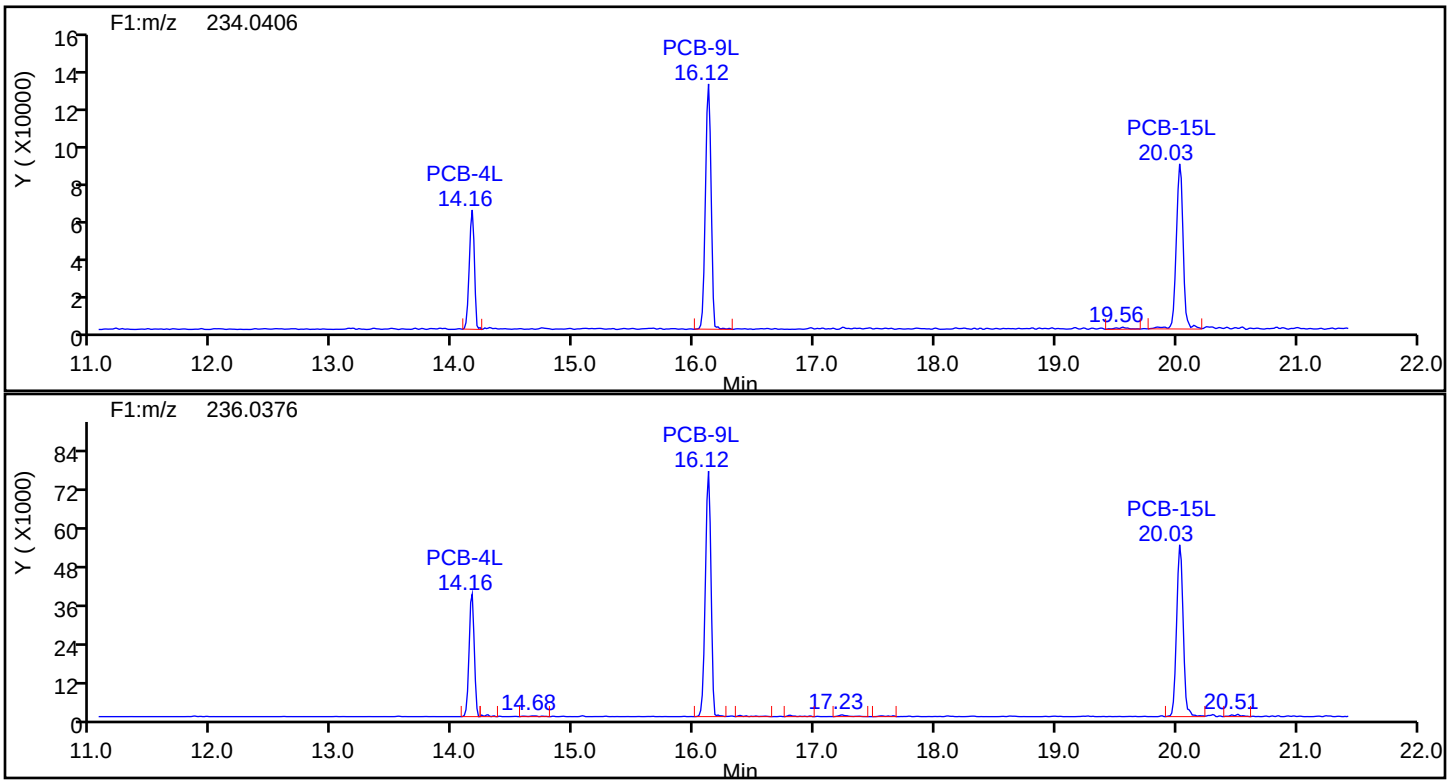
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



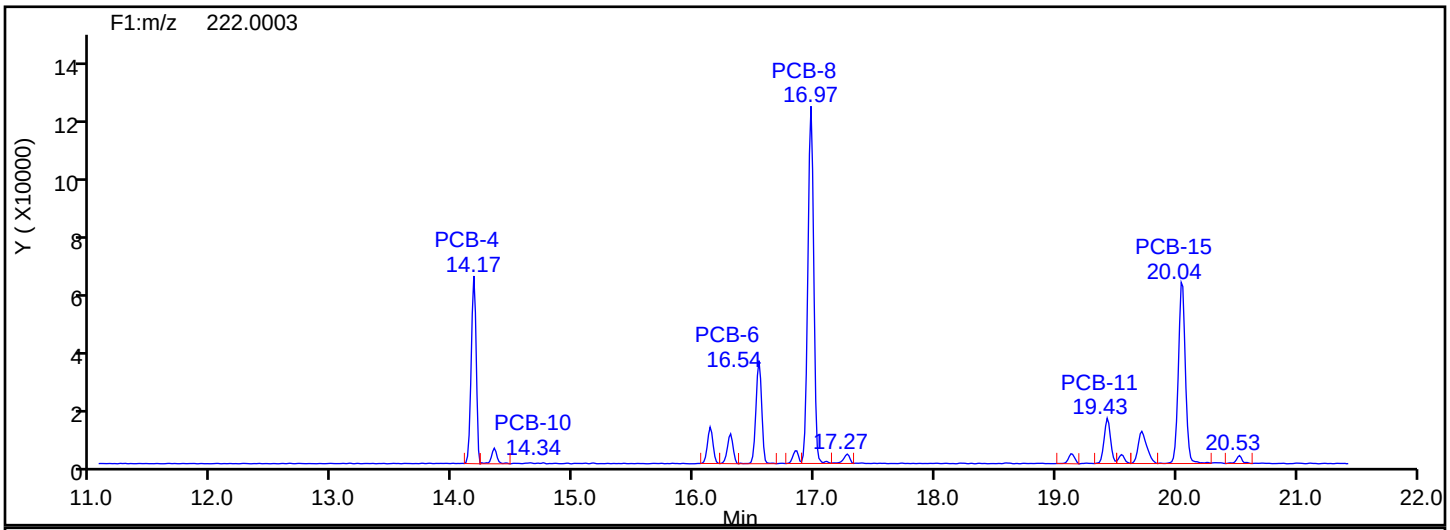

DiPCB F1 Standards

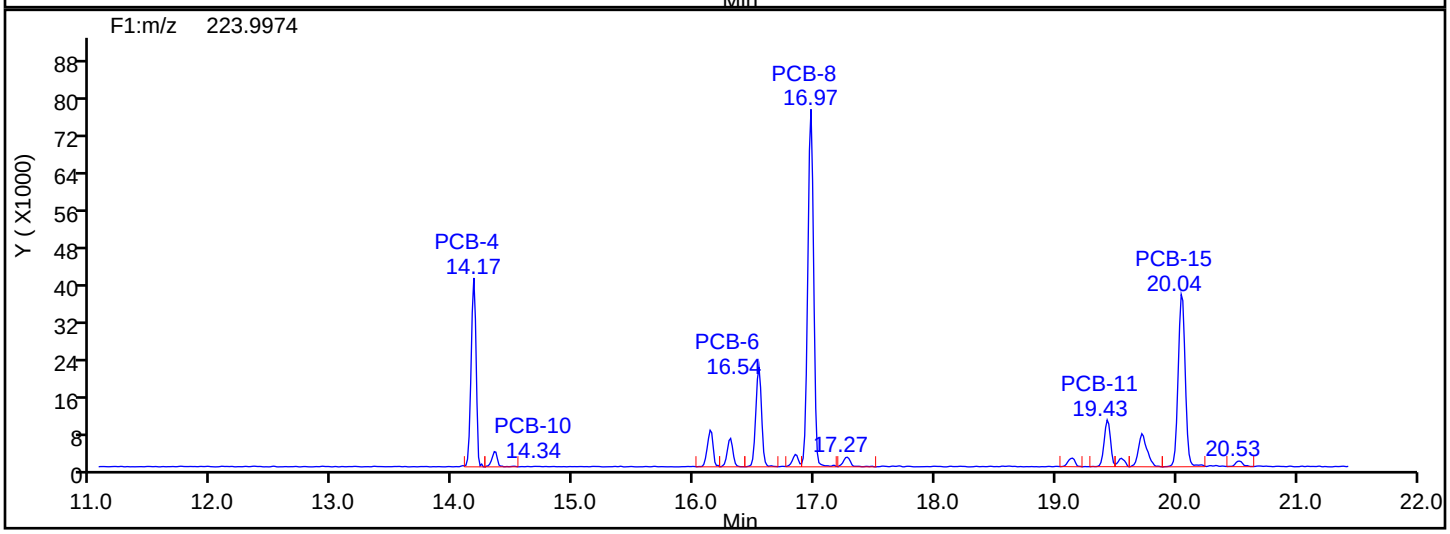


Eurofins TestAmerica, Knoxville

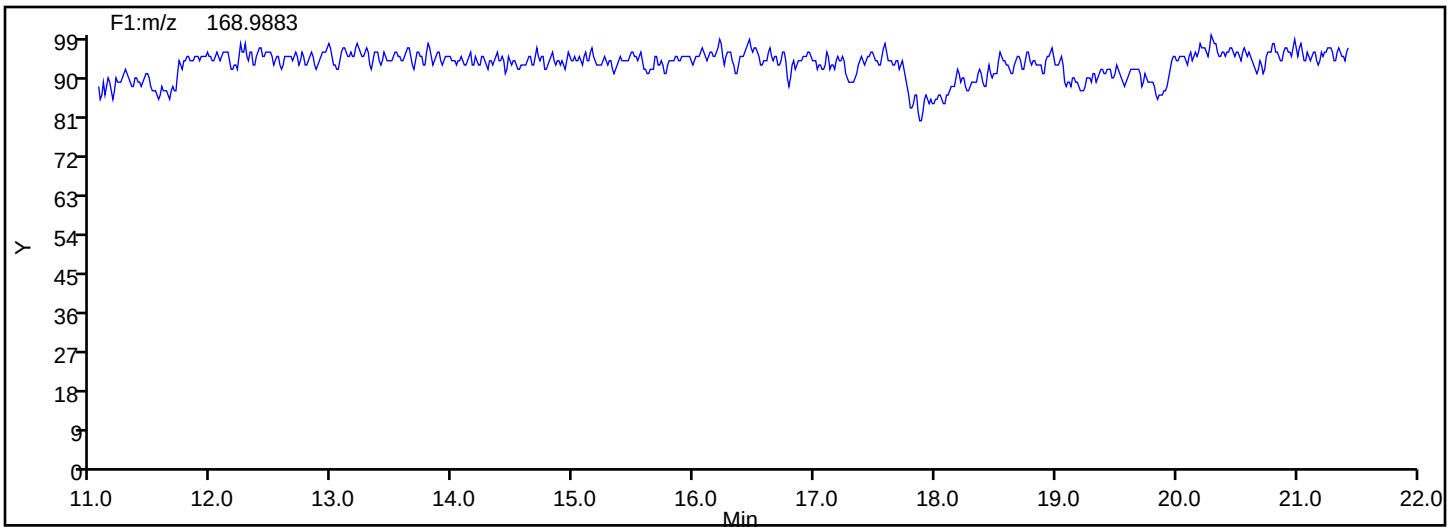
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

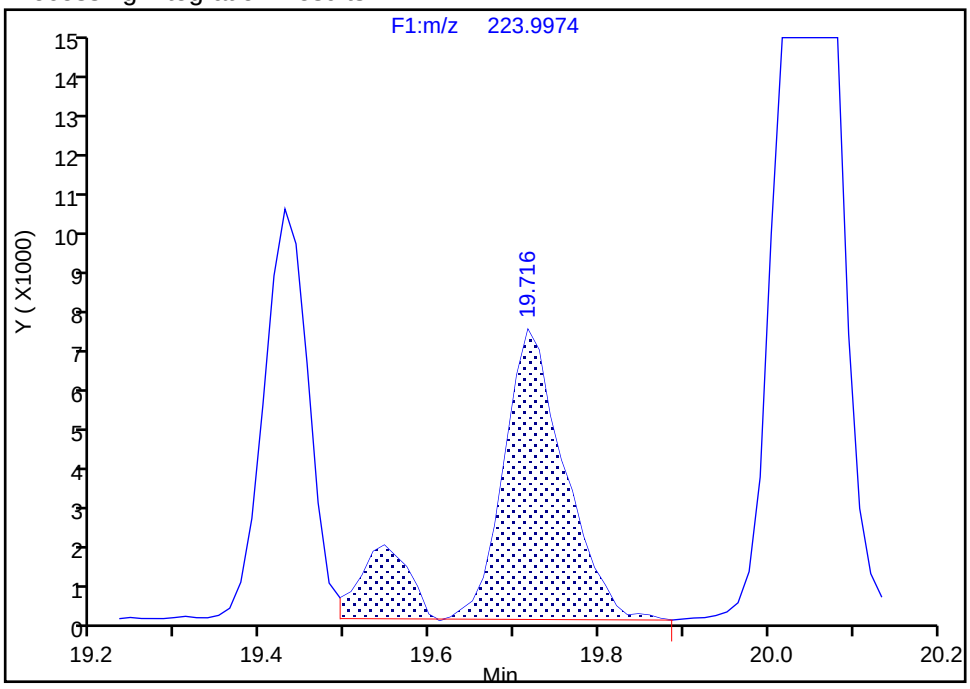
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 2

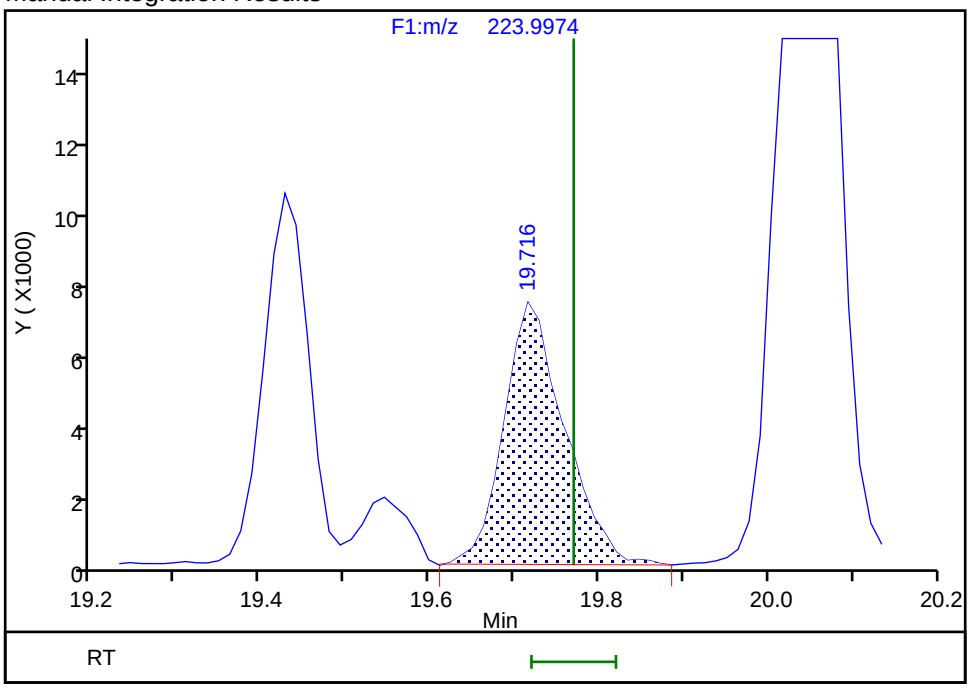
Processing Integration Results

RT: 19.72
Area: 42730
Amount: 3.150071
Amount Units: pg/ul




Manual Integration Results

RT: 19.72
Area: 35502
Amount: 2.640388
Amount Units: pg/ul




Reviewer: mcwhirterl, 13-Oct-2019 23:57:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

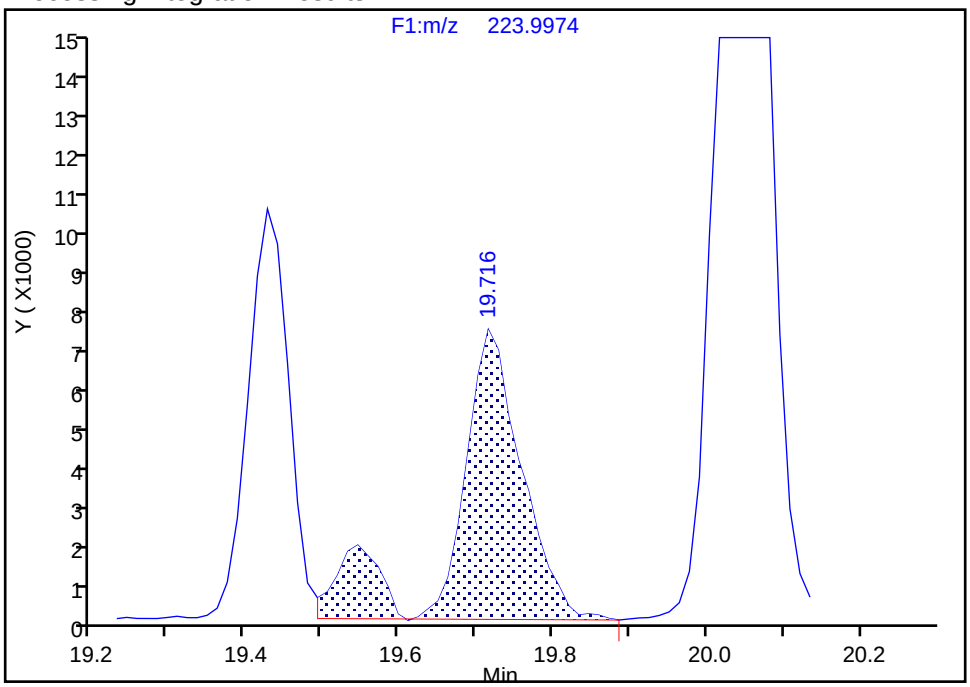
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 3

Processing Integration Results

RT: 19.72
Area: 108059
Amount: 3.150071
Amount Units: pg/ul




Manual Integration Results

RT: 19.72
Area: 90575
Amount: 2.640388
Amount Units: pg/ul
Reviewer: mcwhirterl, 13-Oct-2019 23:57:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

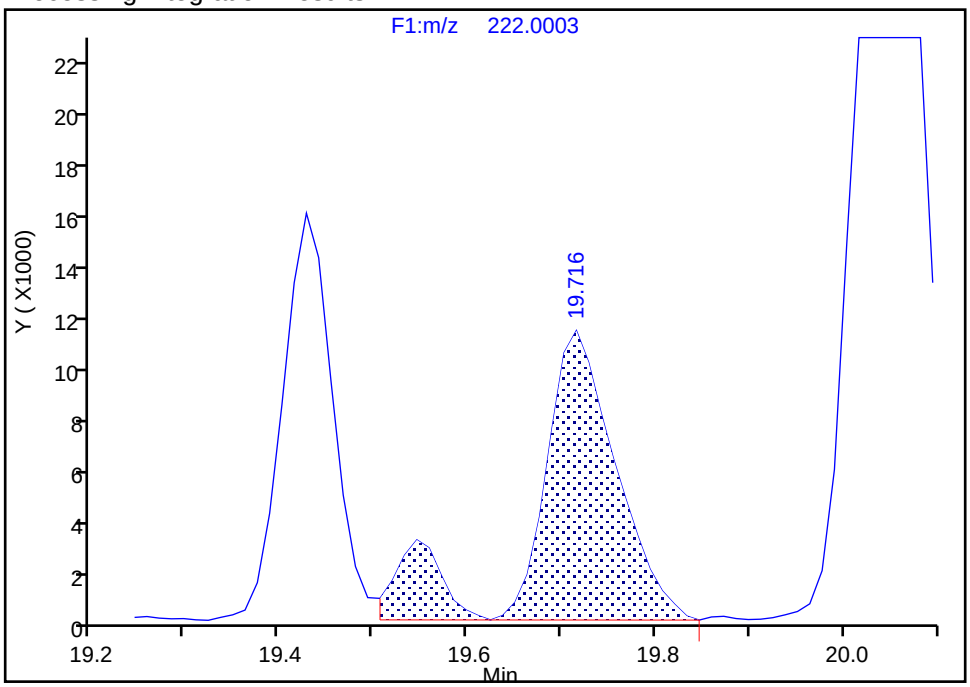
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

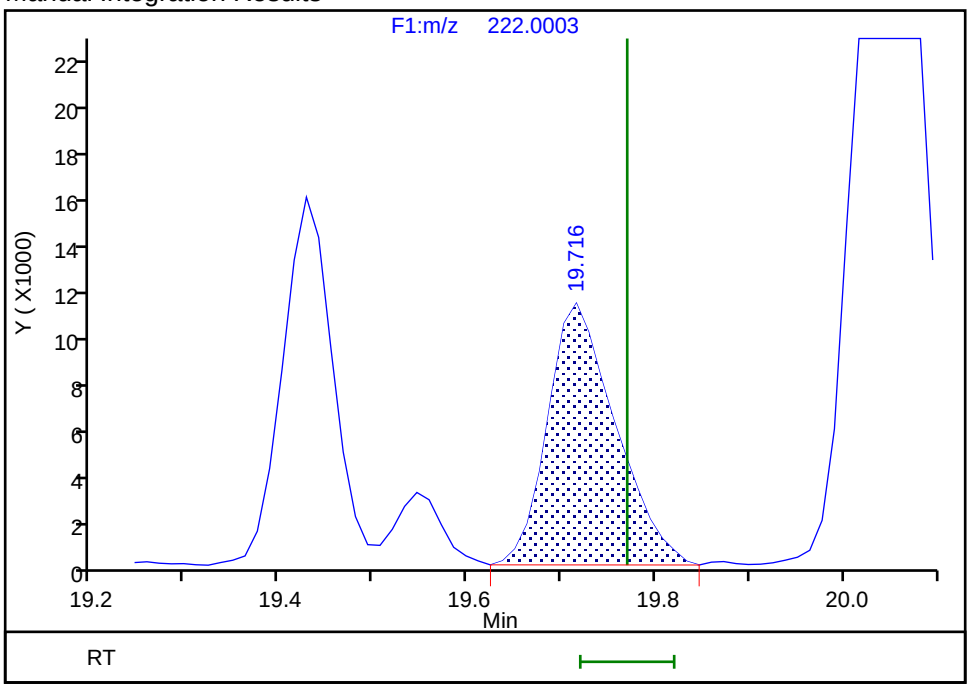
Processing Integration Results

RT: 19.72
Area: 65329
Amount: 3.150071
Amount Units: pg/ul




Manual Integration Results

RT: 19.72
Area: 55073
Amount: 2.640388
Amount Units: pg/ul




Reviewer: mcwhirterl, 13-Oct-2019 23:57:34

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

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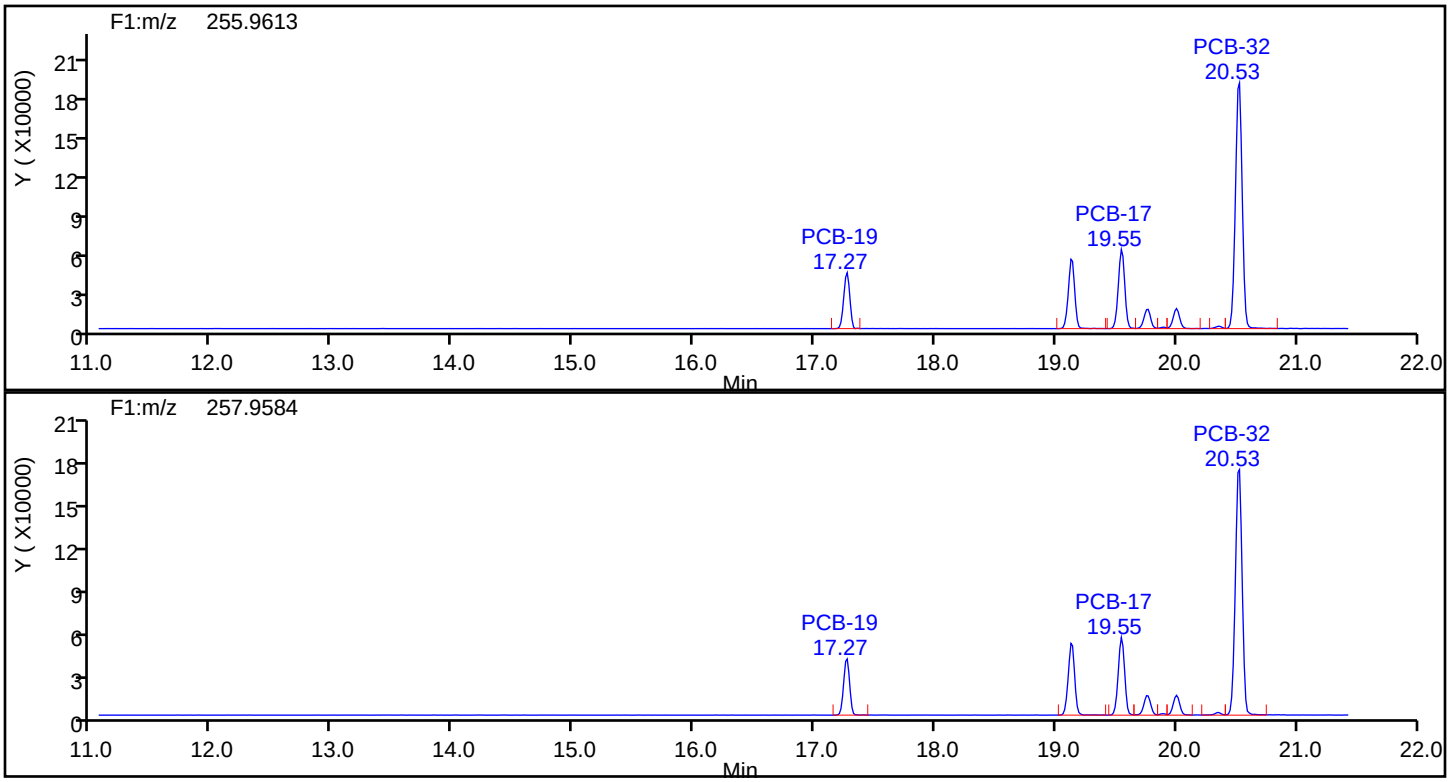
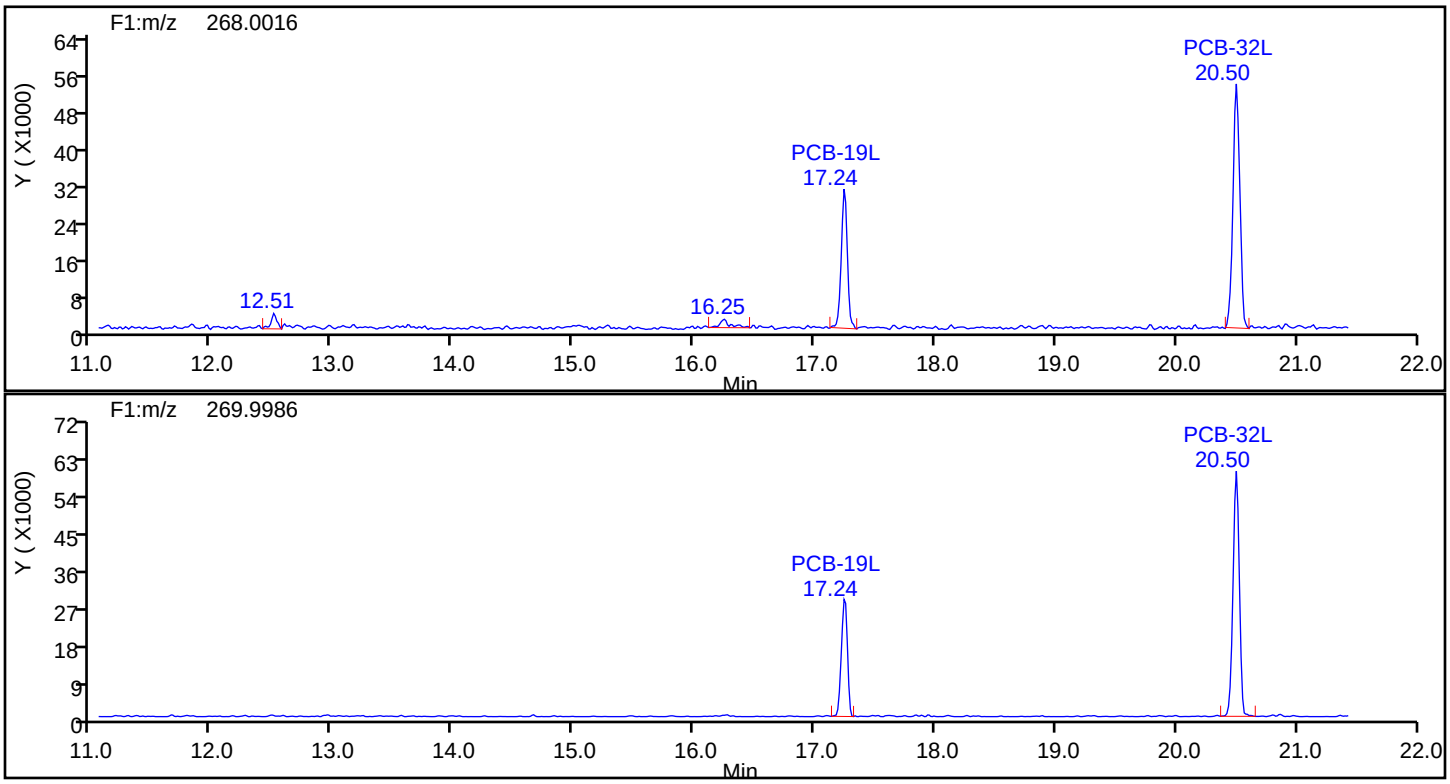
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



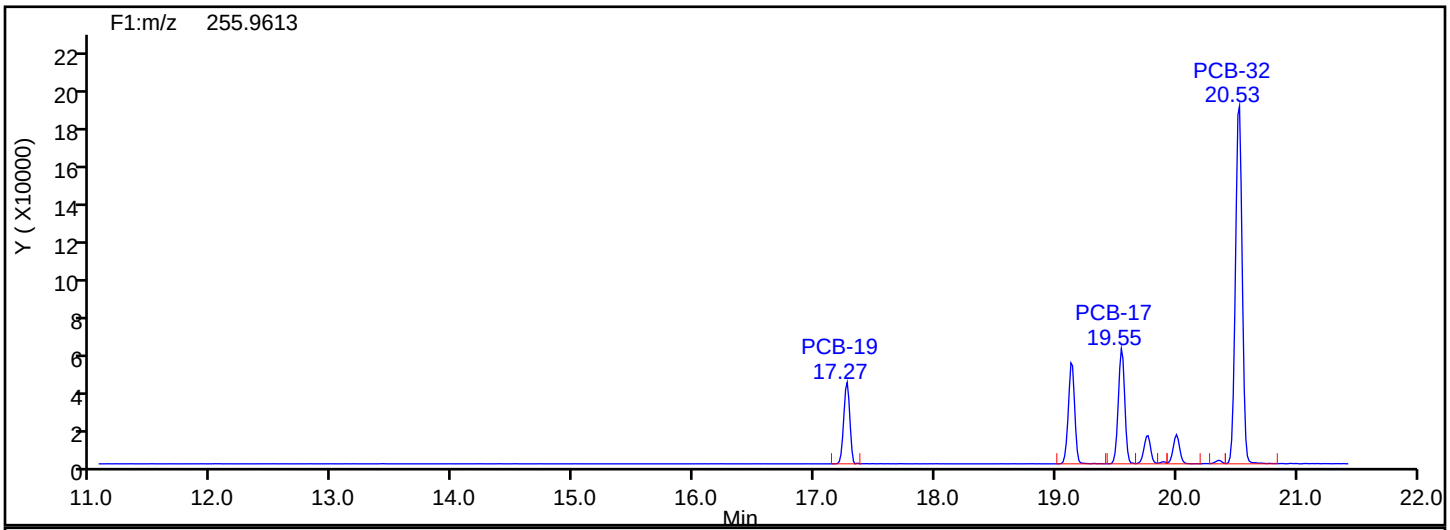

TriPCB F1 Standards

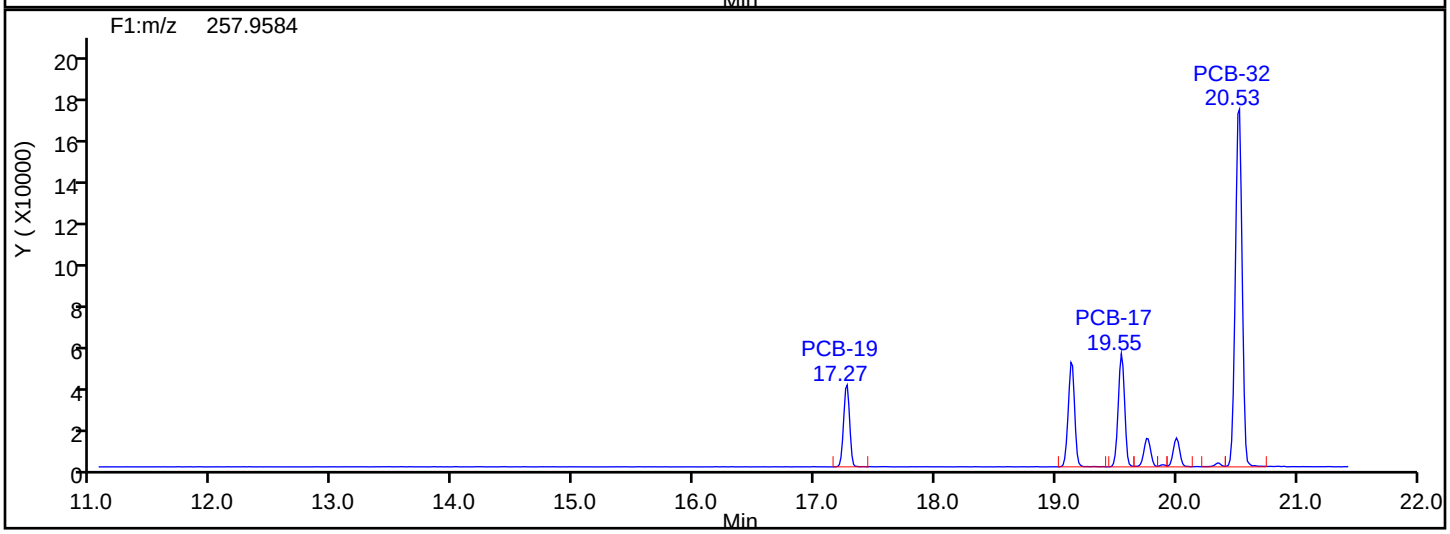


Eurofins TestAmerica, Knoxville

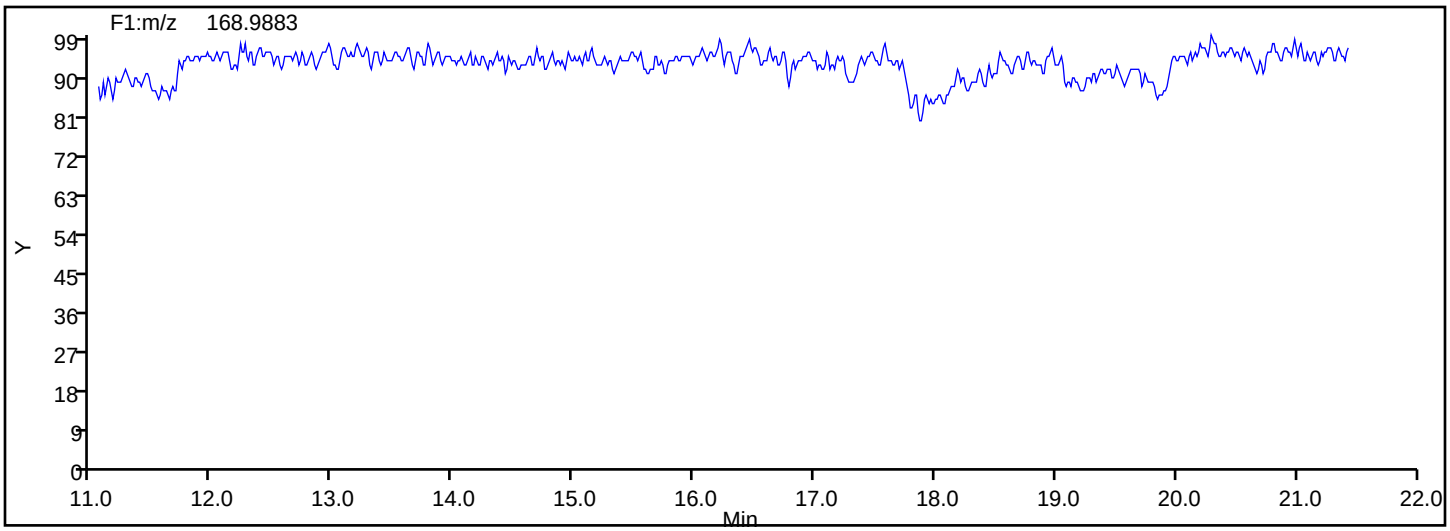
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



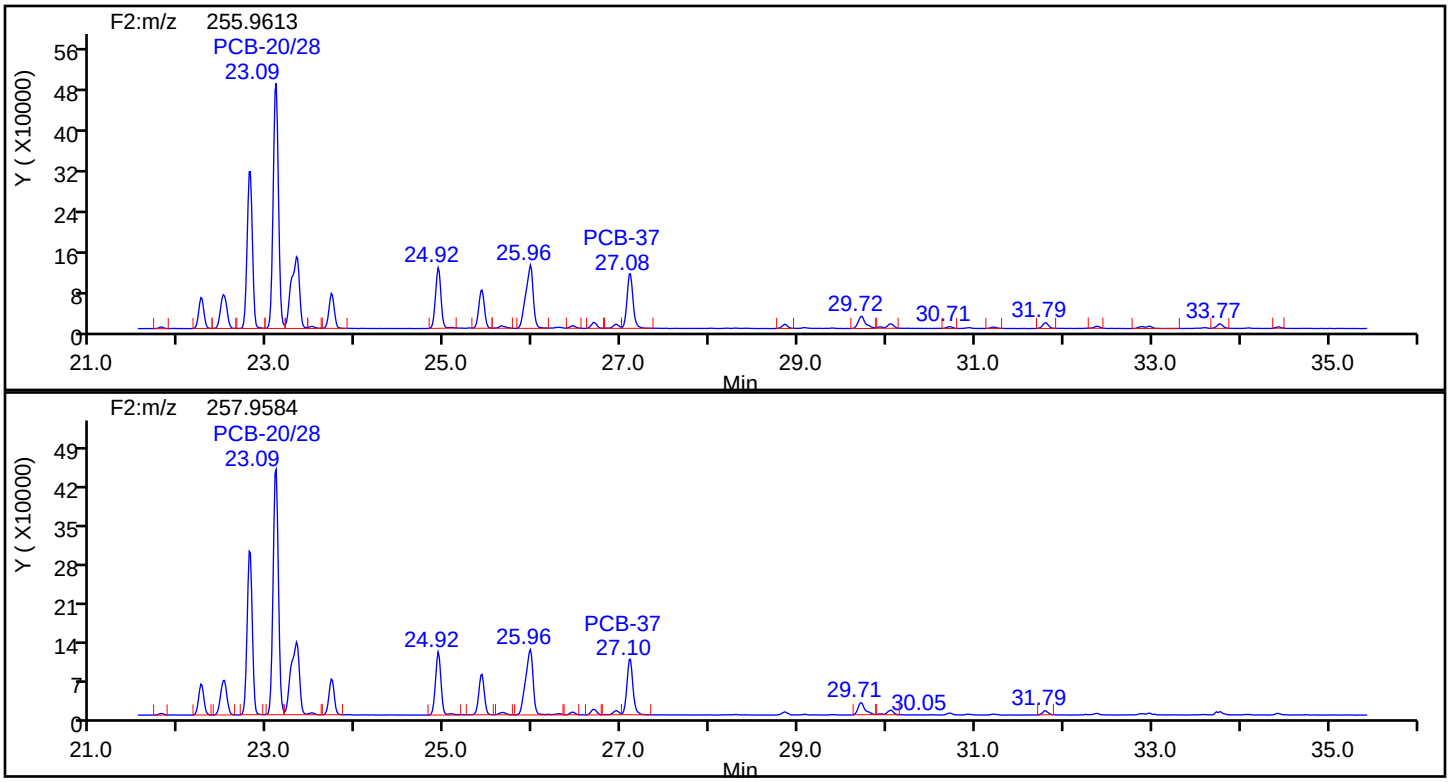

TriPCB F1 Lock Mass



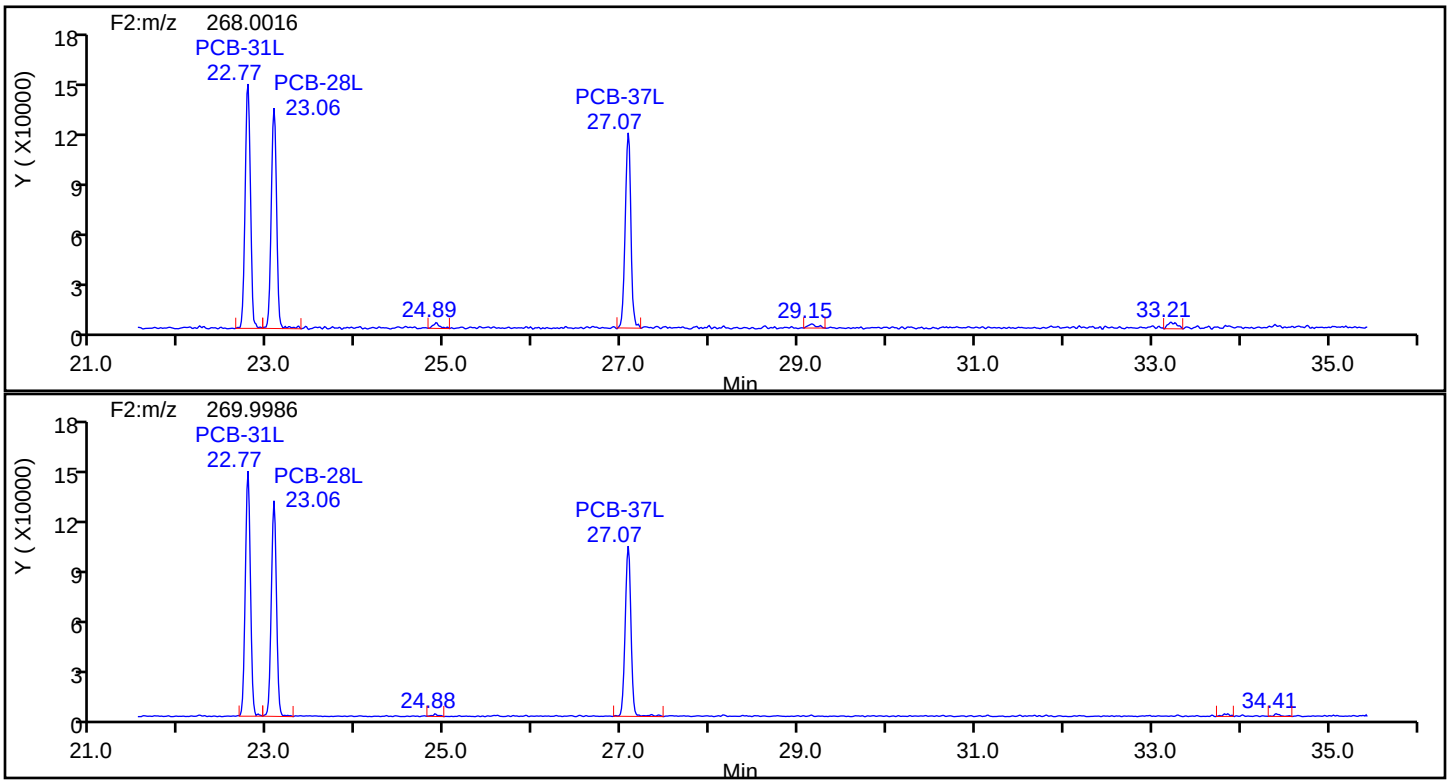
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



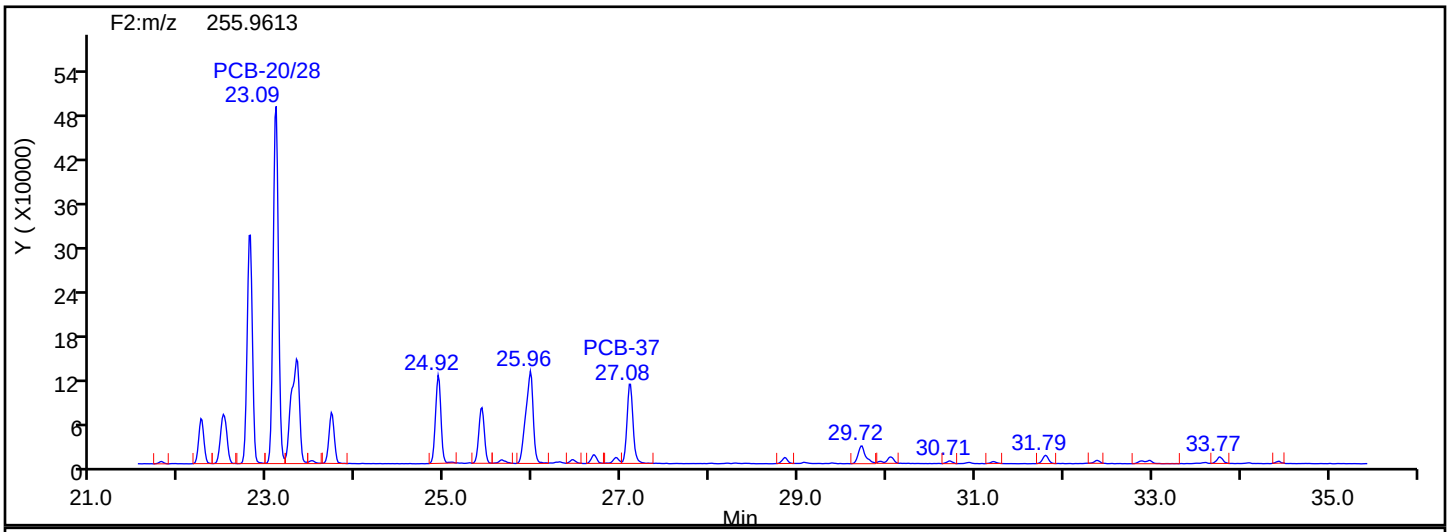

TriPCB F2 Standards

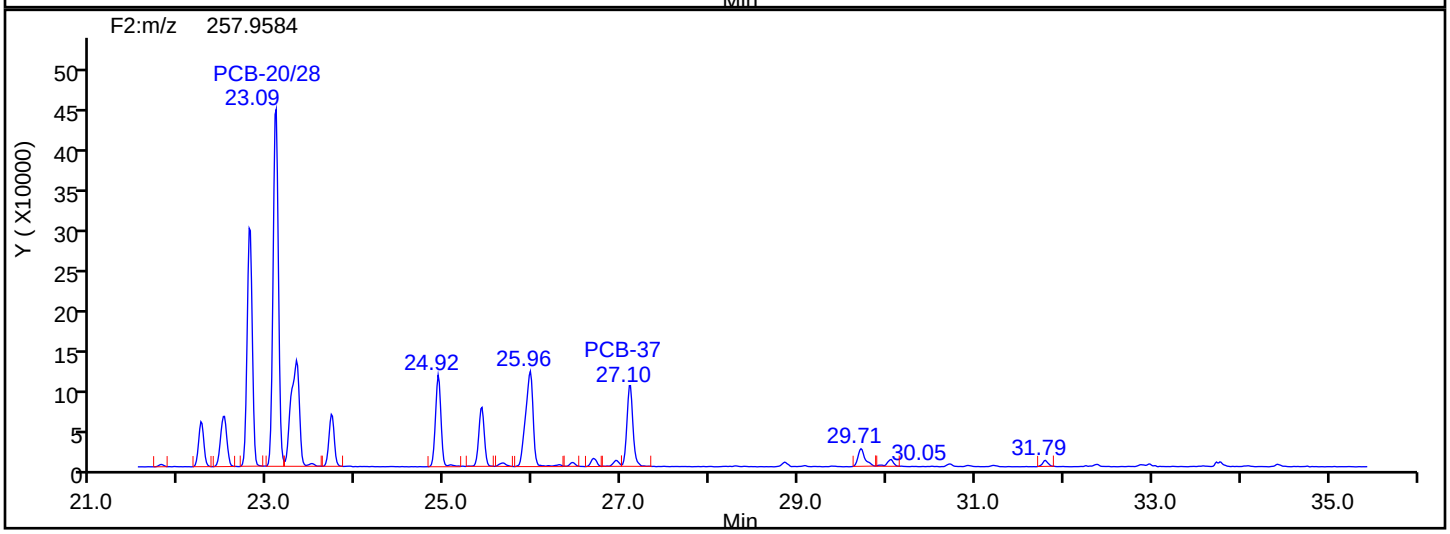


Eurofins TestAmerica, Knoxville

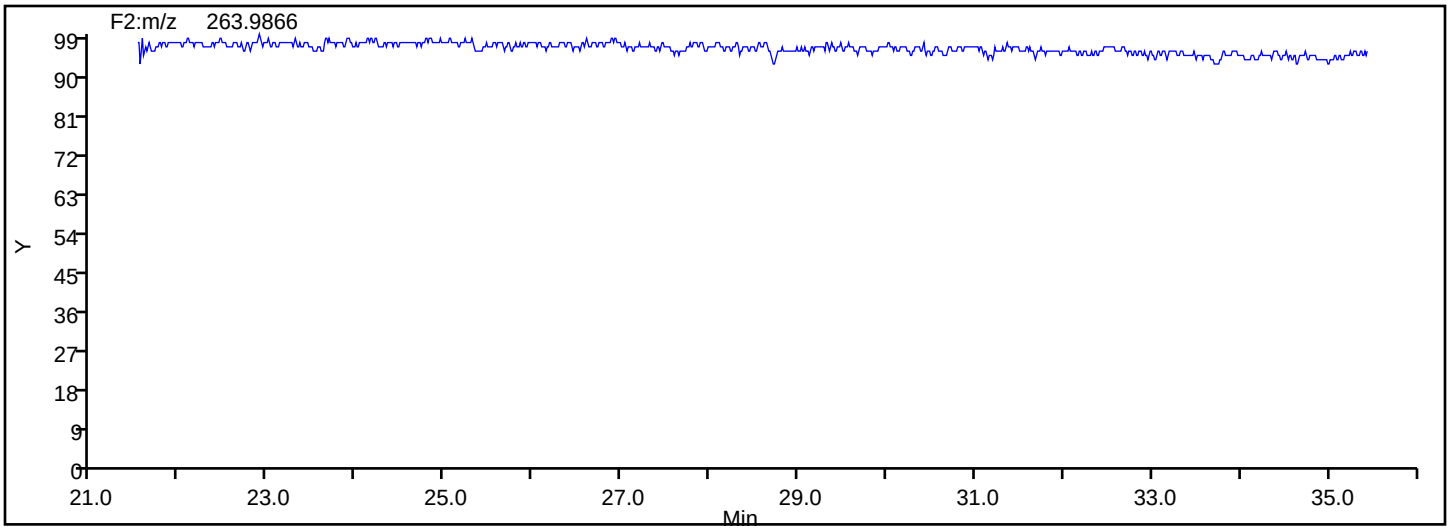
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

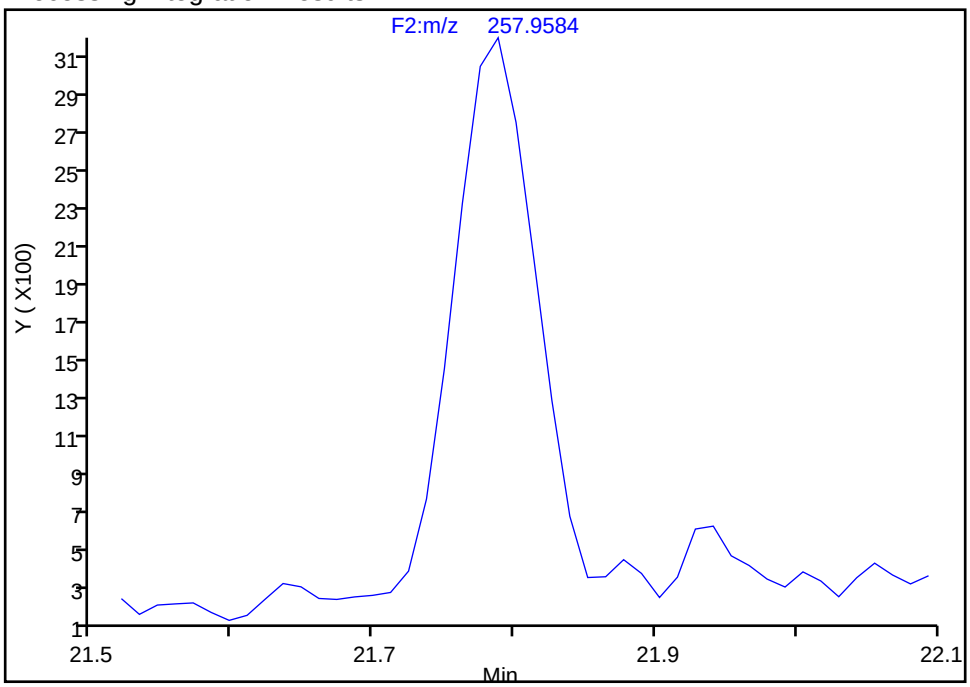
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 2

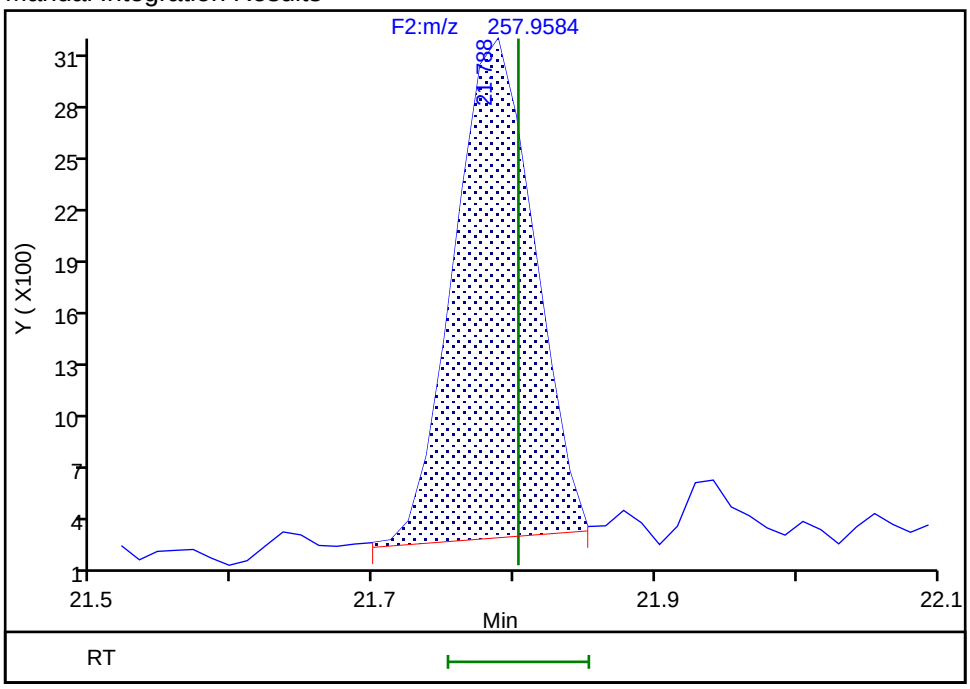
Not Detected
Expected RT: 21.80

Processing Integration Results




Manual Integration Results

RT: 21.79
Area: 11307
Amount: 0.390952
Amount Units: pg/ul




Reviewer: mcwhirterl, 13-Oct-2019 23:58:08
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

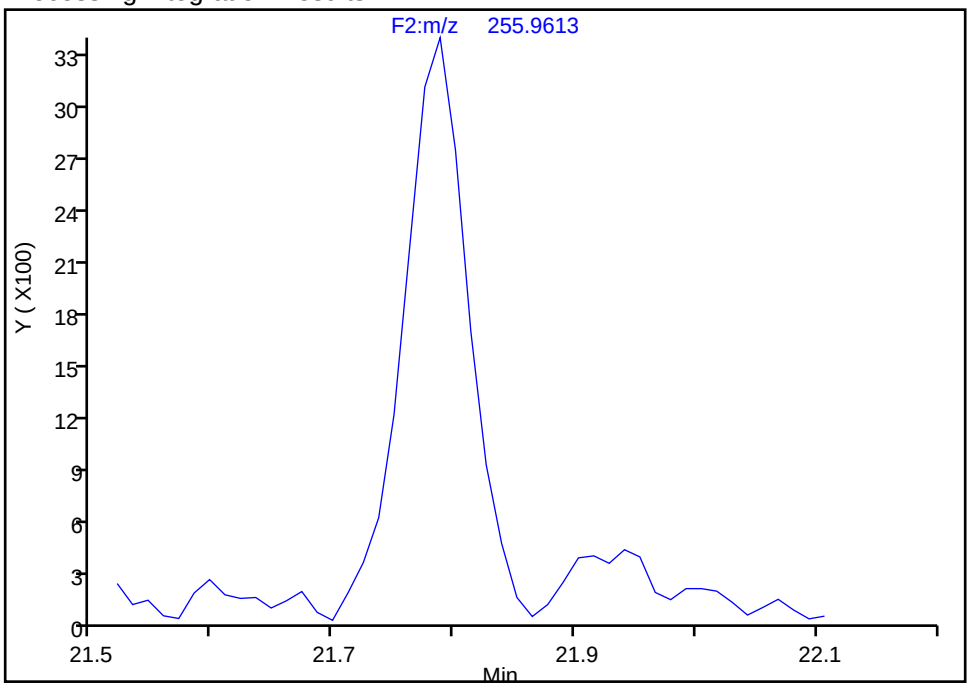
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

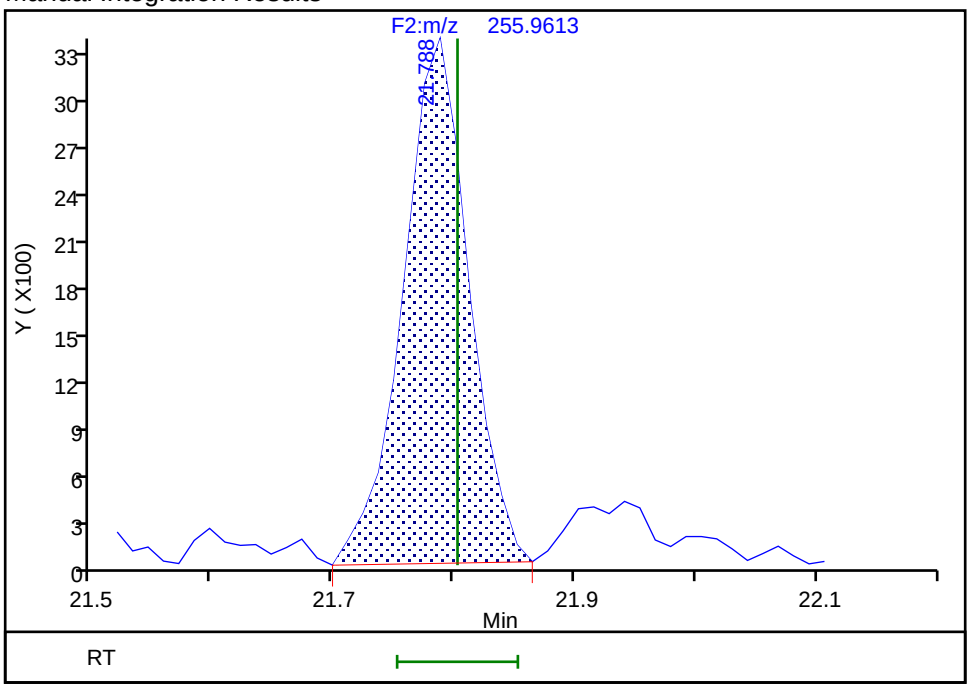
Not Detected
Expected RT: 21.80

Processing Integration Results




Manual Integration Results

RT: 21.79
Area: 12106
Amount: 0.390952
Amount Units: pg/ul




Reviewer: mcwhirterl, 13-Oct-2019 23:58:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

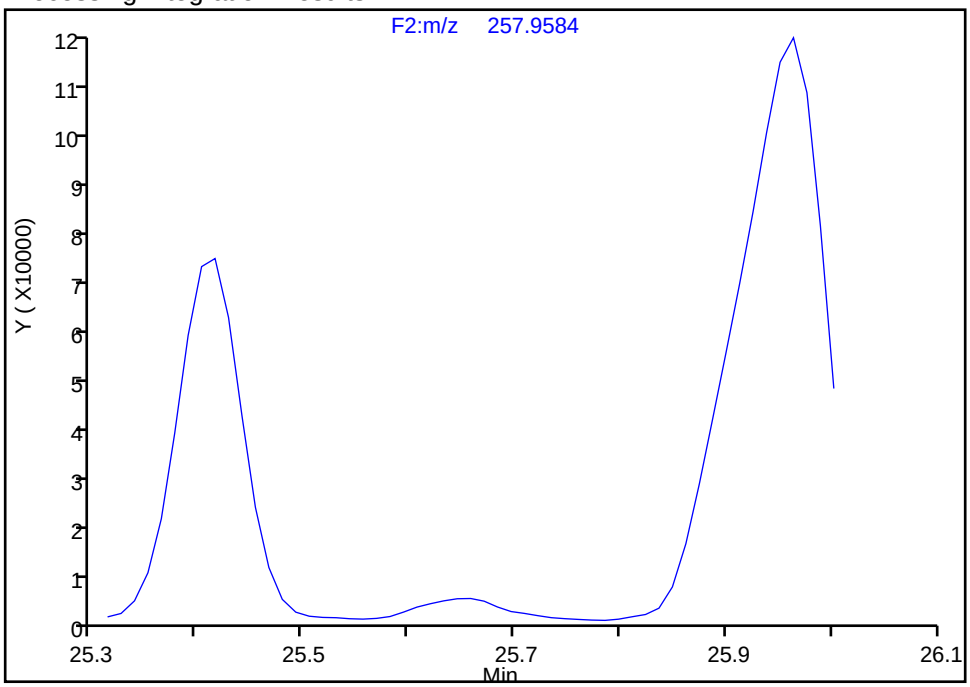
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 2

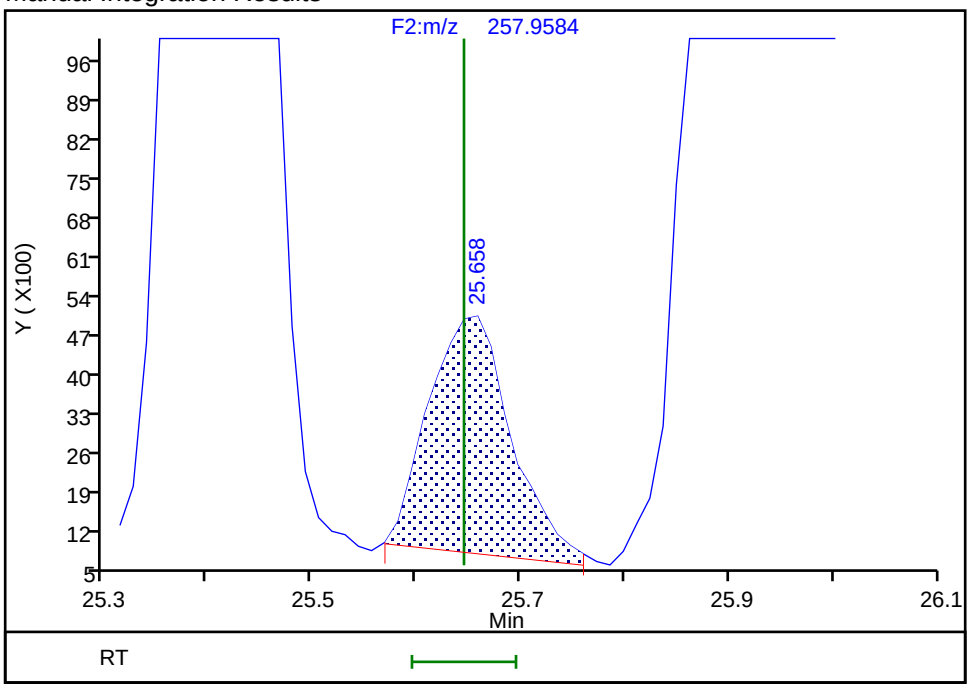
Not Detected
Expected RT: 25.65

Processing Integration Results




Manual Integration Results

RT: 25.66
Area: 23274
Amount: 0.690061
Amount Units: pg/ul




Reviewer: mcwhirterl, 13-Oct-2019 23:58:36
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

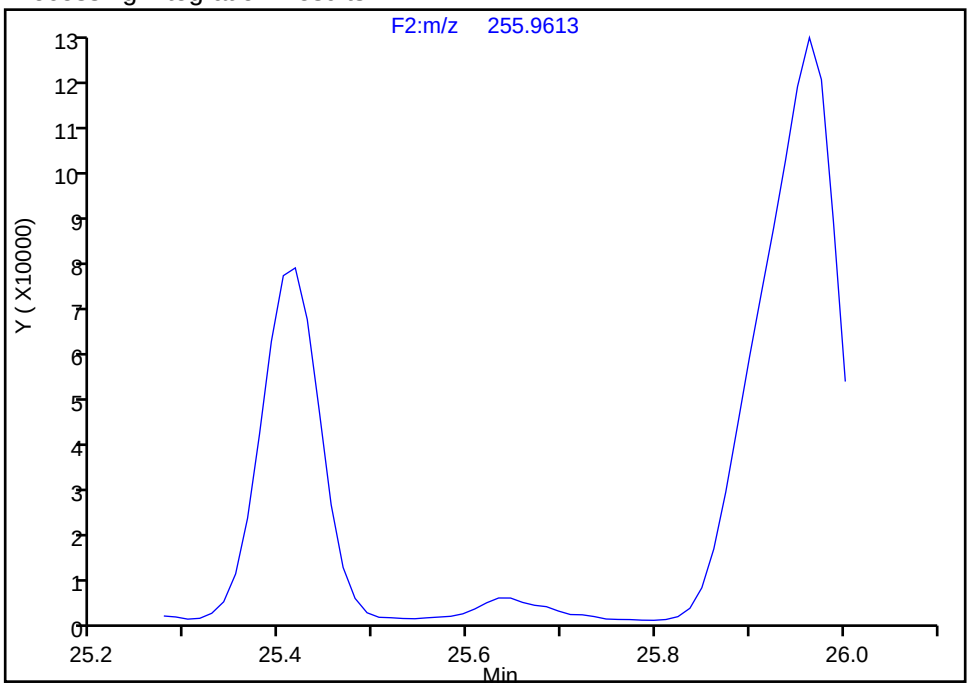
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-39, CAS: 38444-88-1

Signal: 1

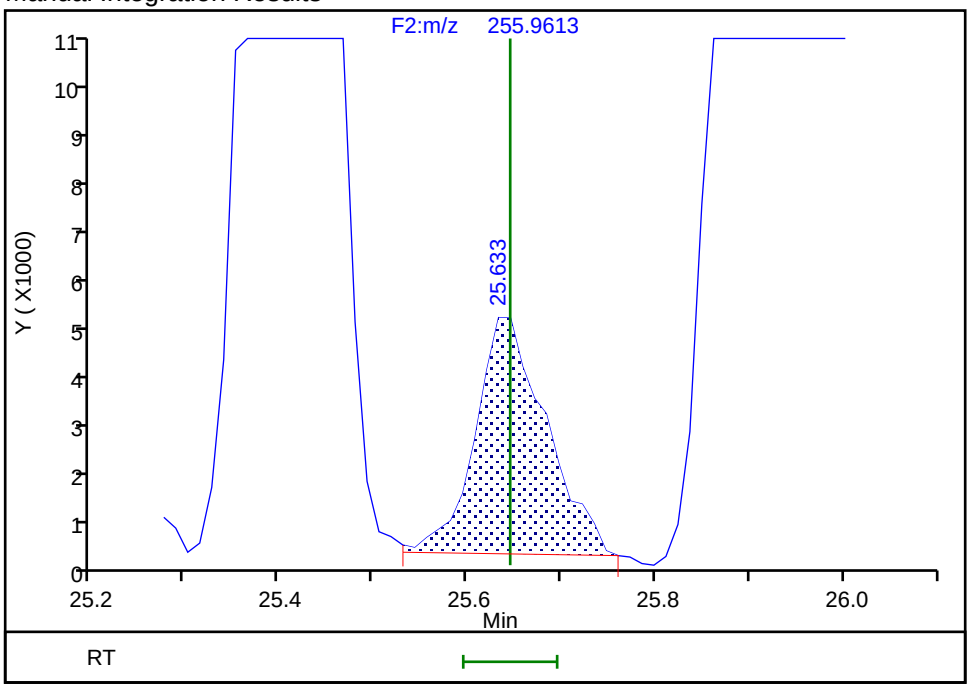
Not Detected
Expected RT: 25.65

Processing Integration Results




Manual Integration Results

RT: 25.63
Area: 24227
Amount: 0.690061
Amount Units: pg/ul



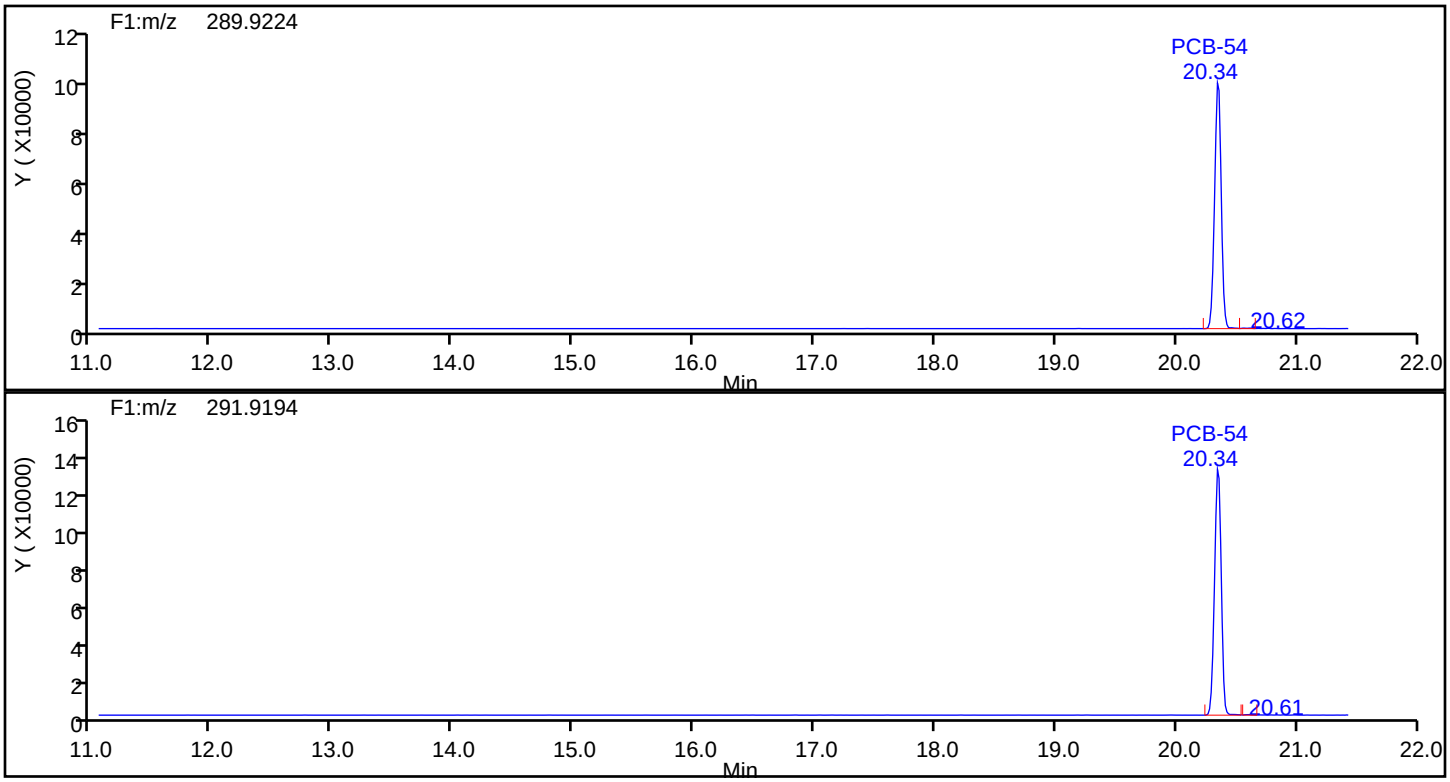

Reviewer: mcwhirterl, 13-Oct-2019 23:58:38
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Report Date: 14-Oct-2019 00:14:21 Chrom Revision: 2.3 17-Sep-2019 16:19:08

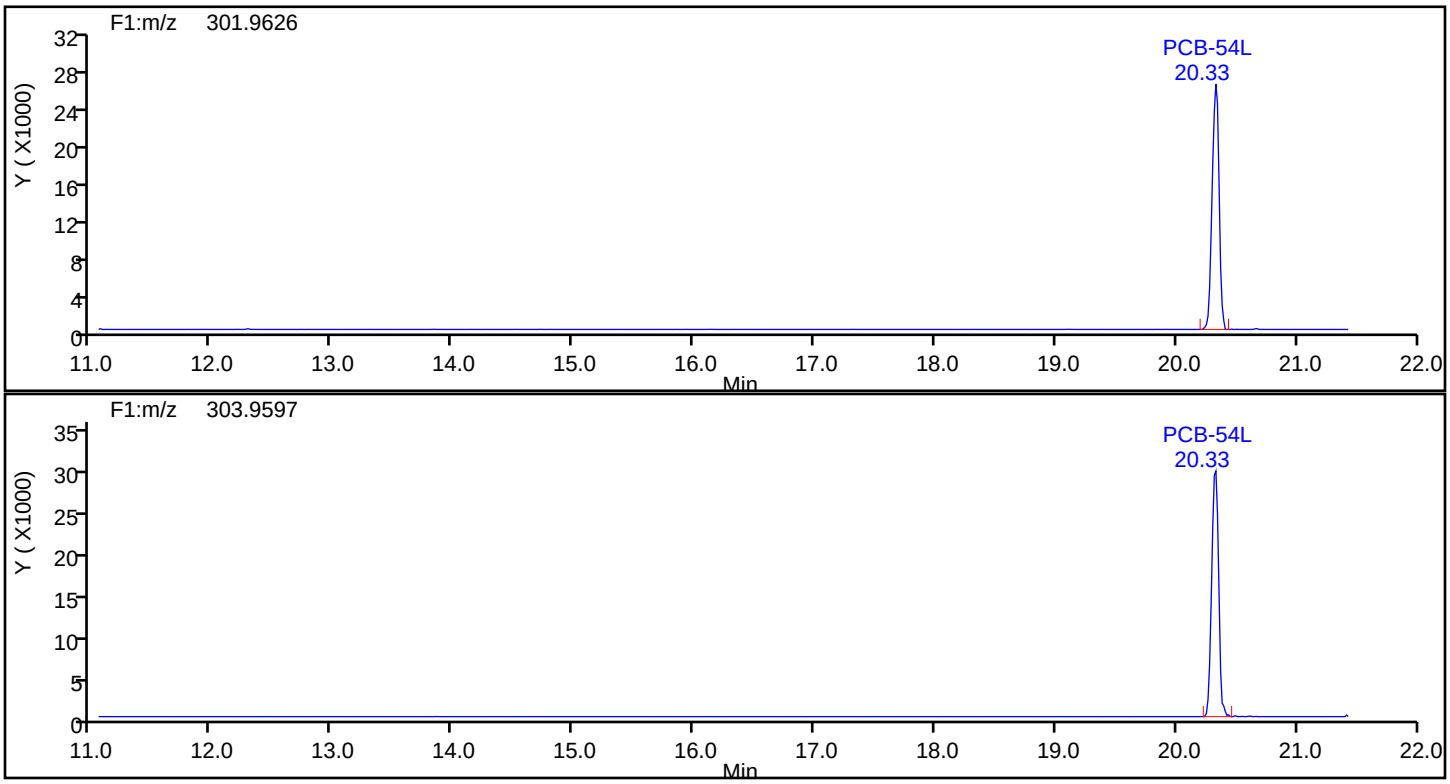
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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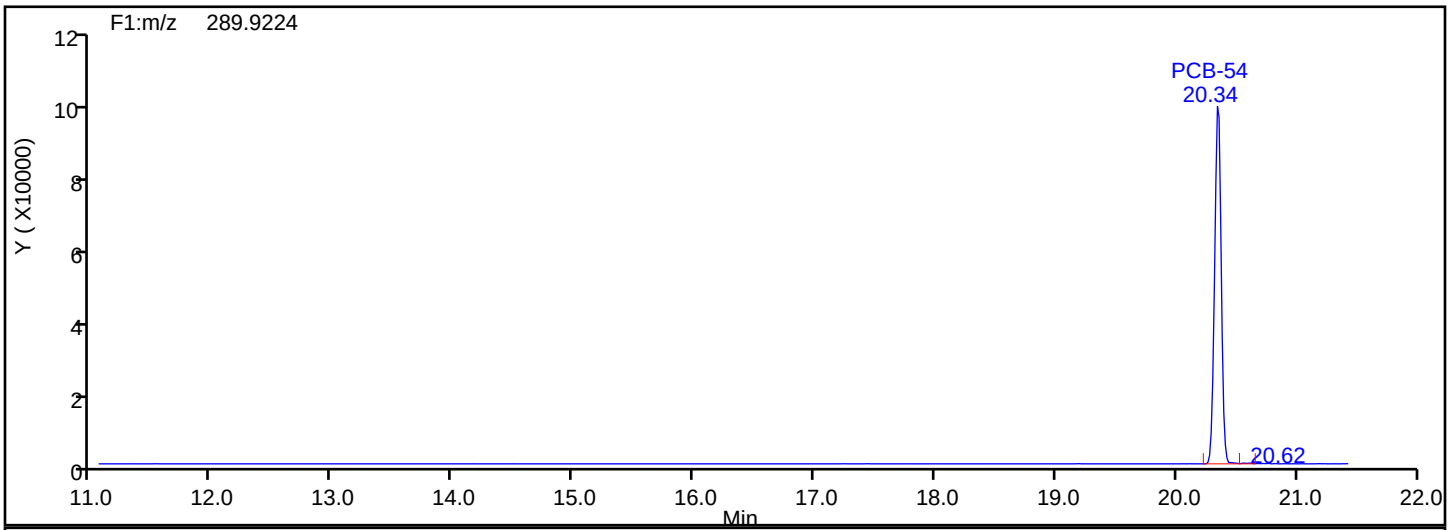
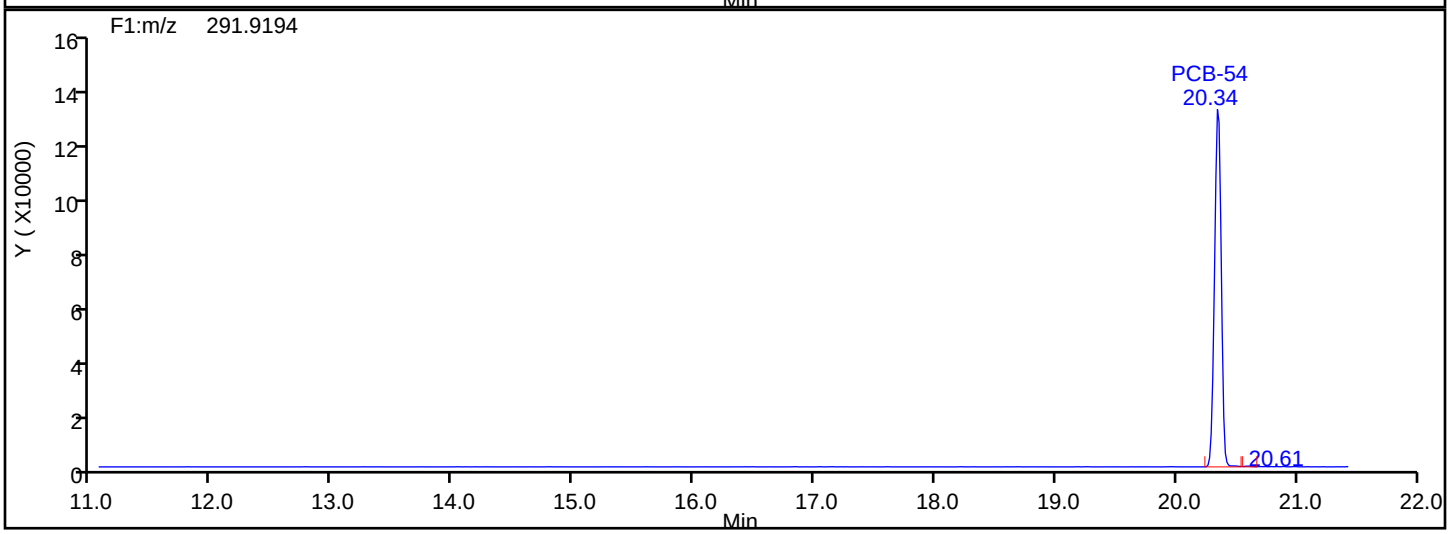
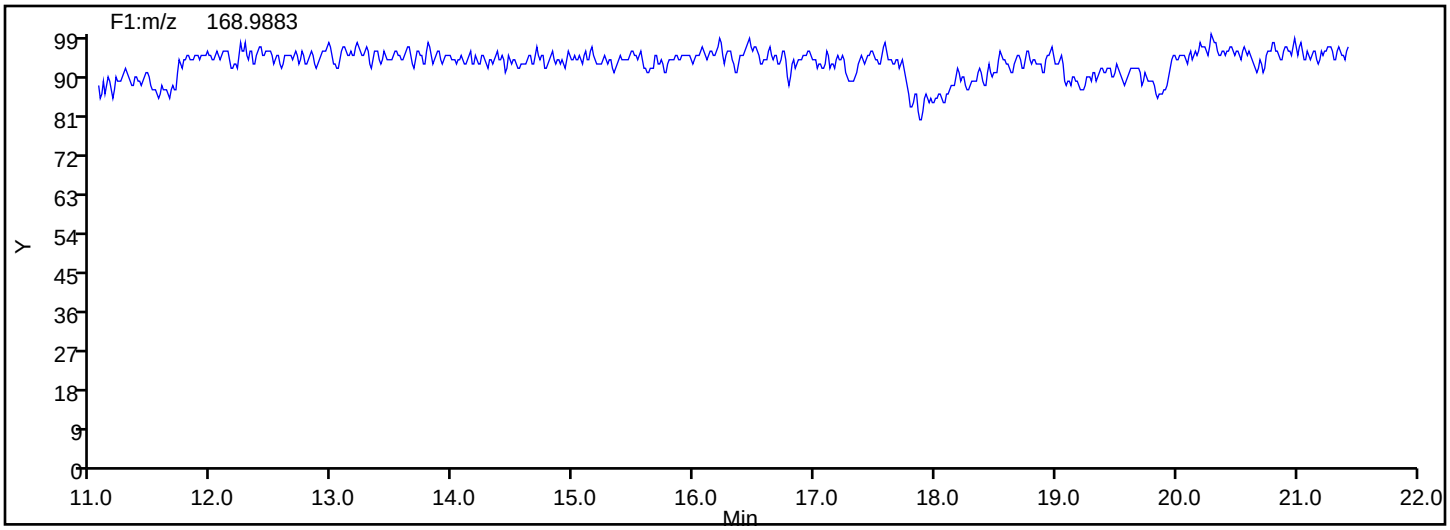
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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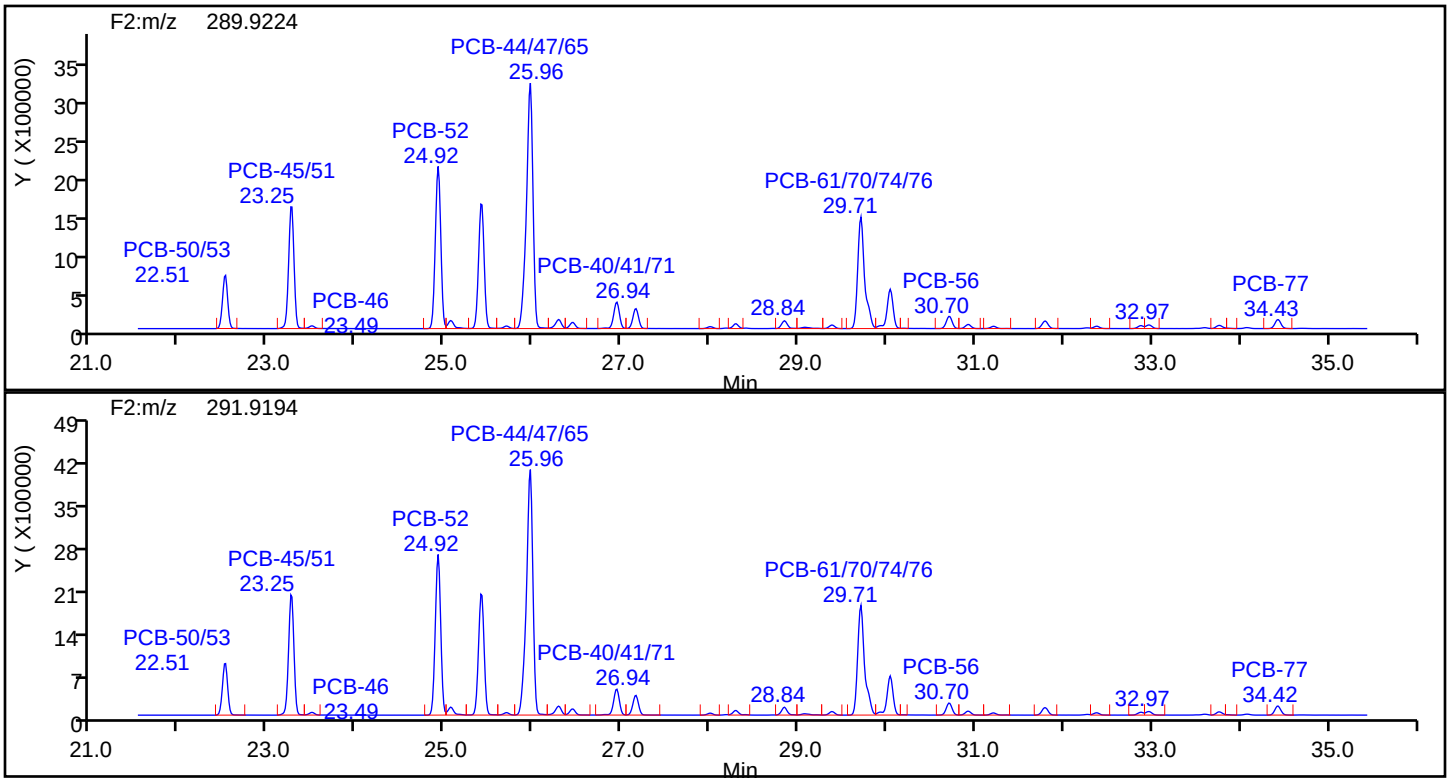
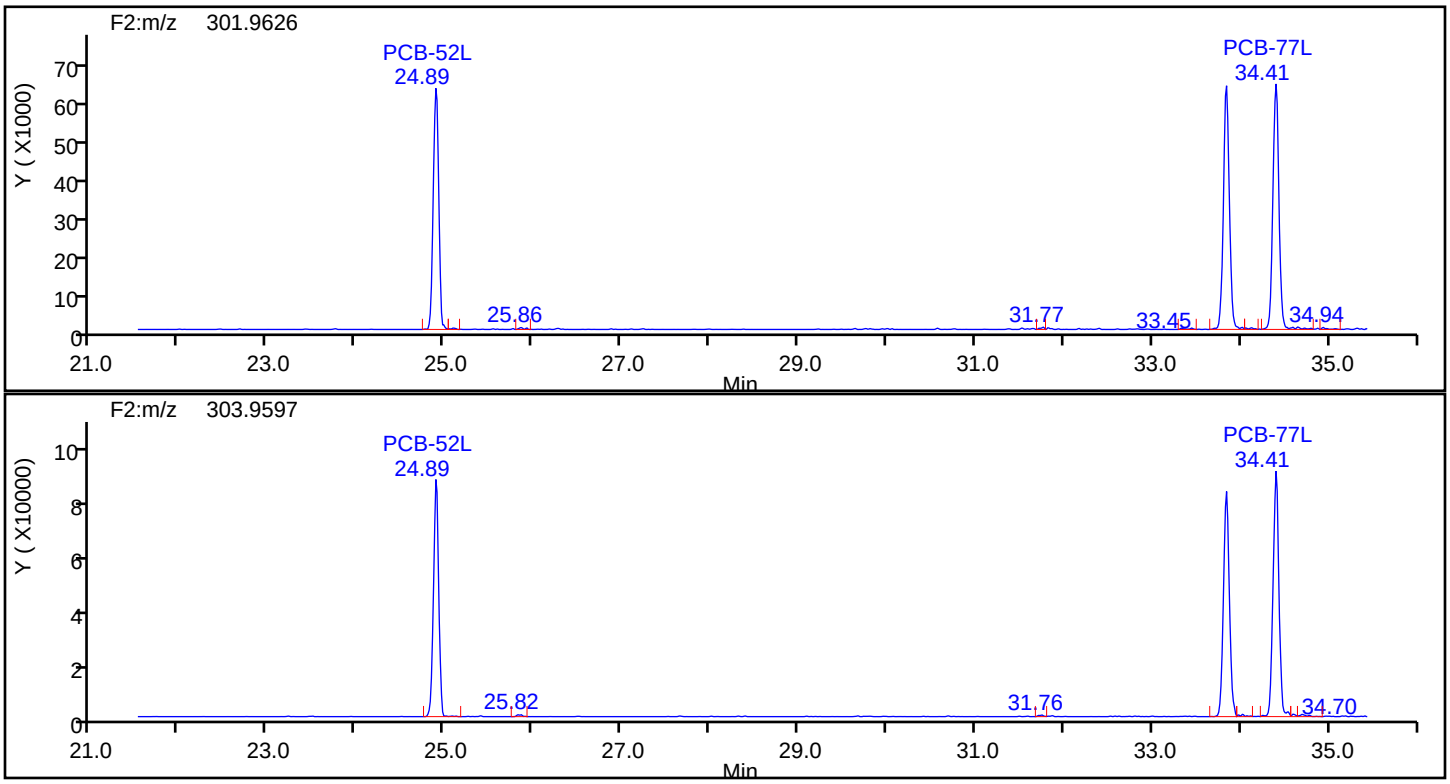
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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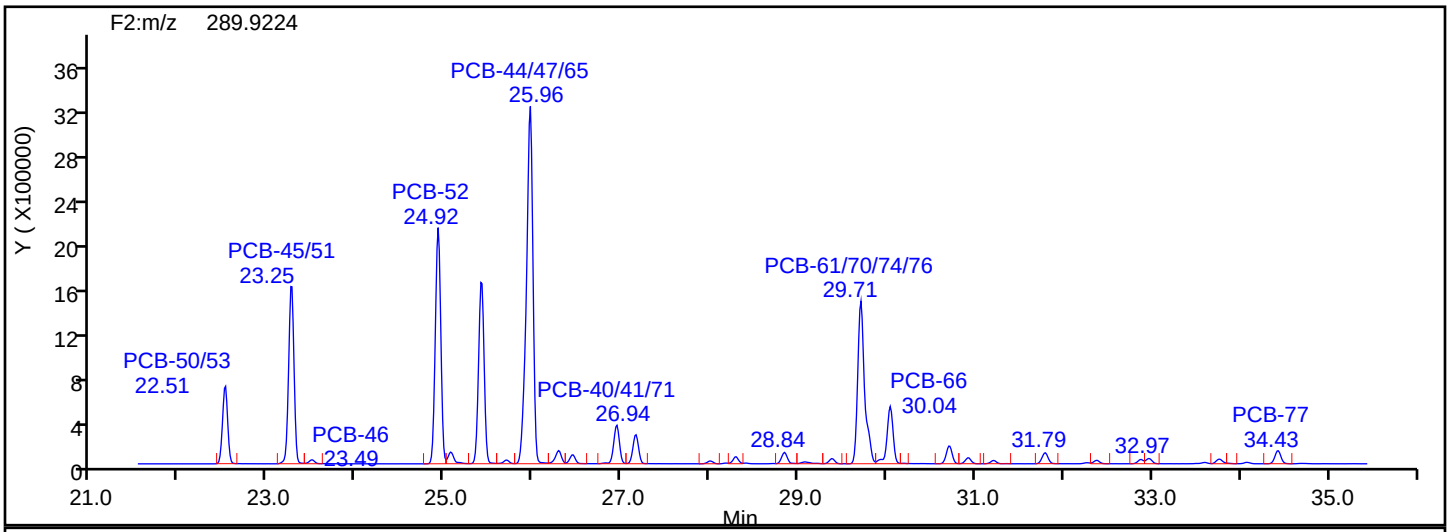
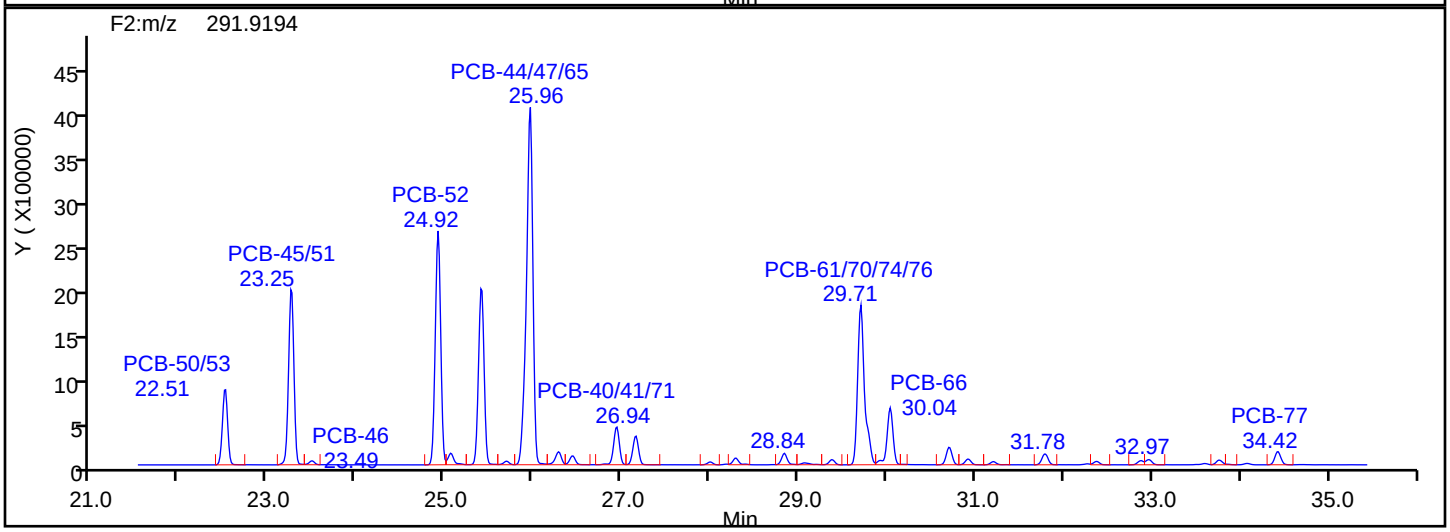
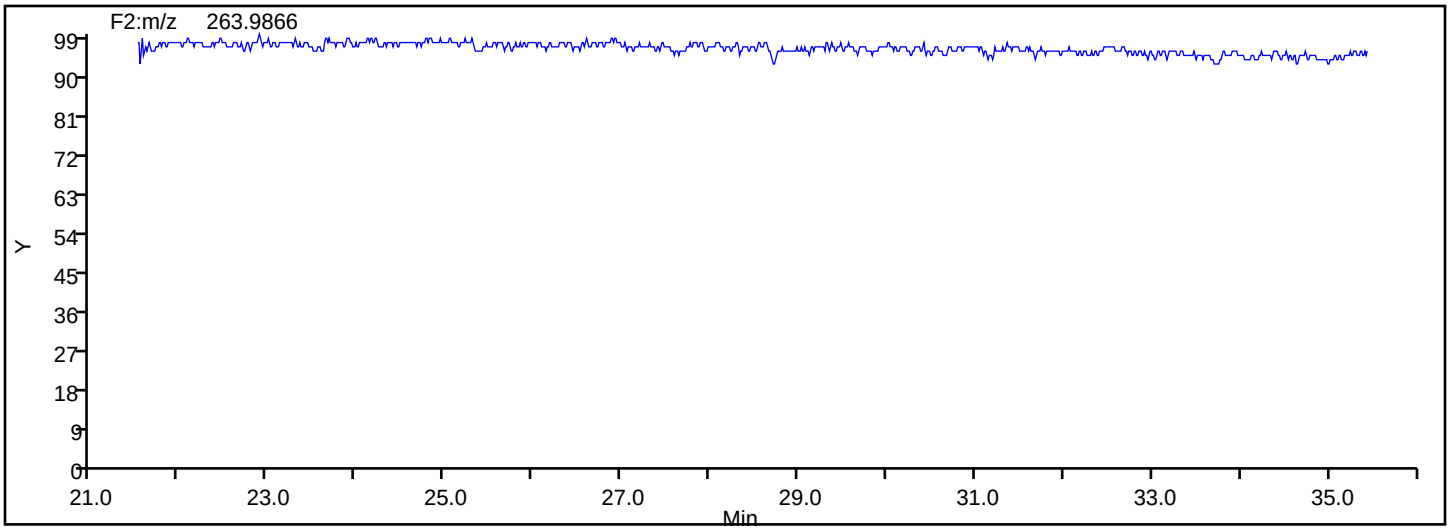
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

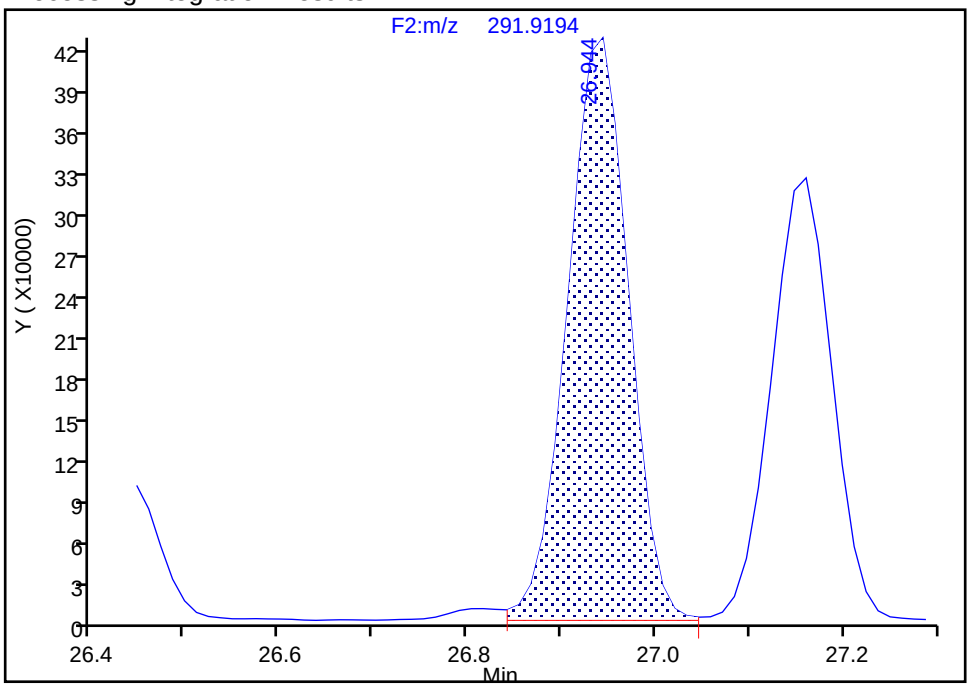
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

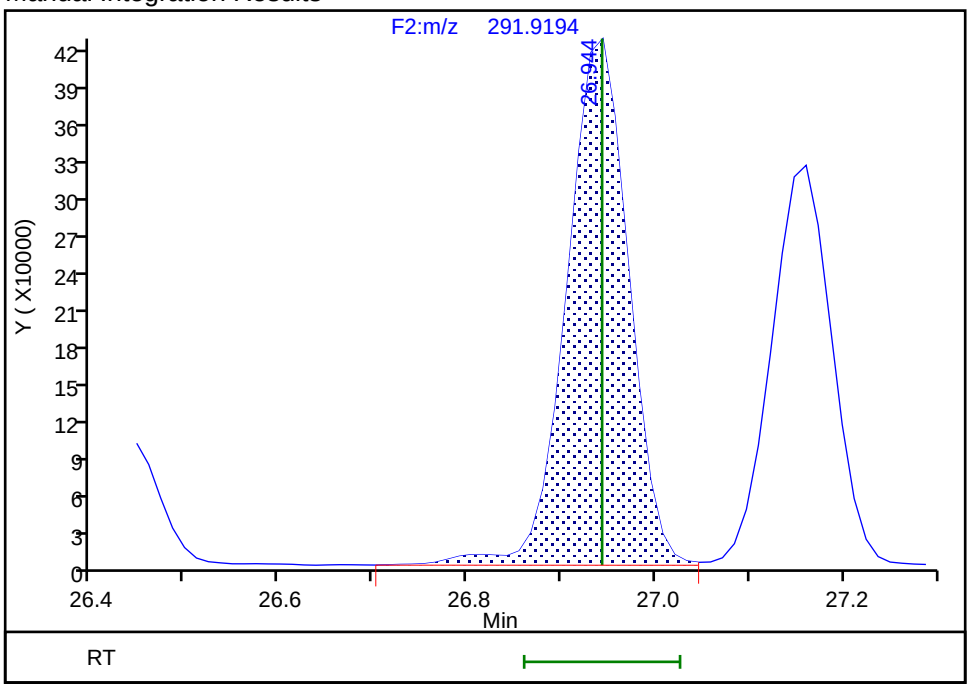
Processing Integration Results

RT: 26.94
Area: 1923310
Amount: 111.2791
Amount Units: pg/ul




Manual Integration Results

RT: 26.94
Area: 1958190
Amount: 113.2322
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:07:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d

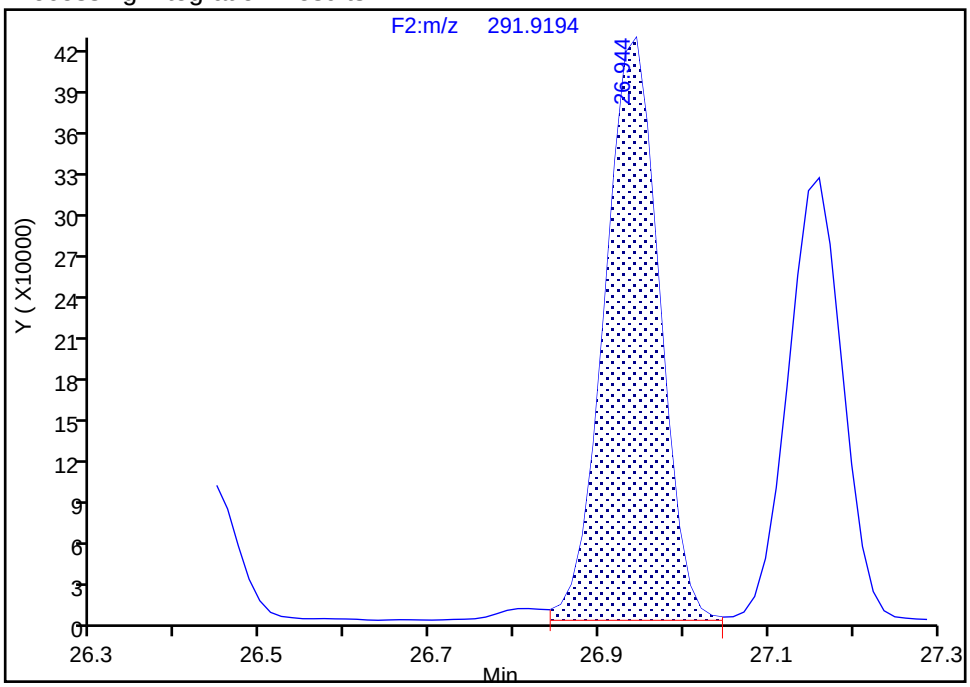
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.94
Area: 3453830
Amount: 111.2791
Amount Units: pg/ul




Manual Integration Results

RT: 26.94
Area: 3514450
Amount: 113.2322
Amount Units: pg/ul
Reviewer: mcwhirterl, 14-Oct-2019 00:07:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

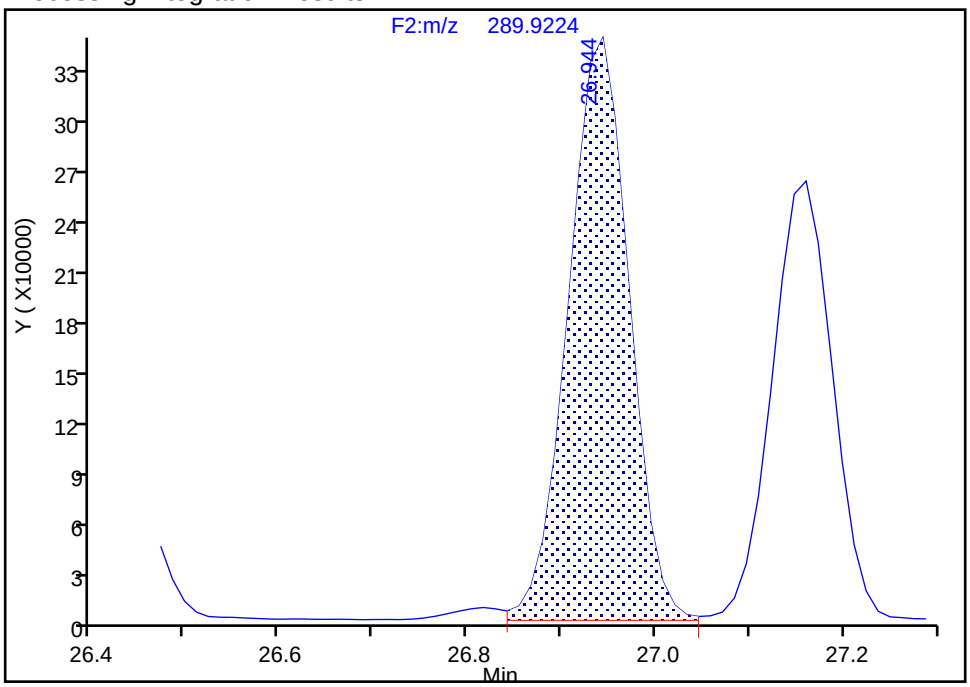
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

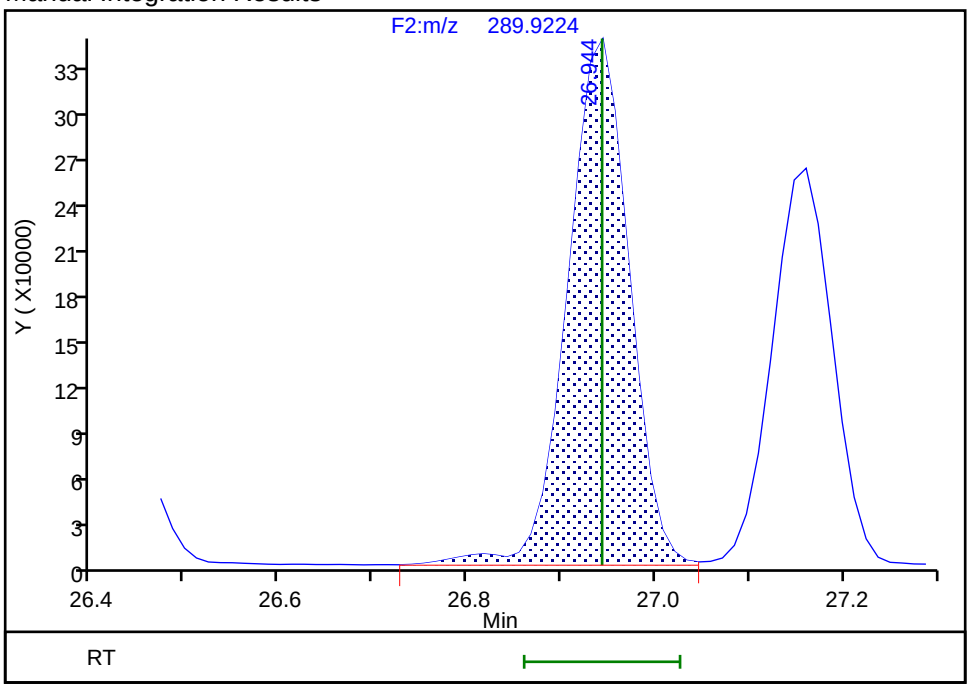
Processing Integration Results

RT: 26.94
Area: 1530520
Amount: 111.2791
Amount Units: pg/ul




Manual Integration Results

RT: 26.94
Area: 1556260
Amount: 113.2322
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:07:11

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

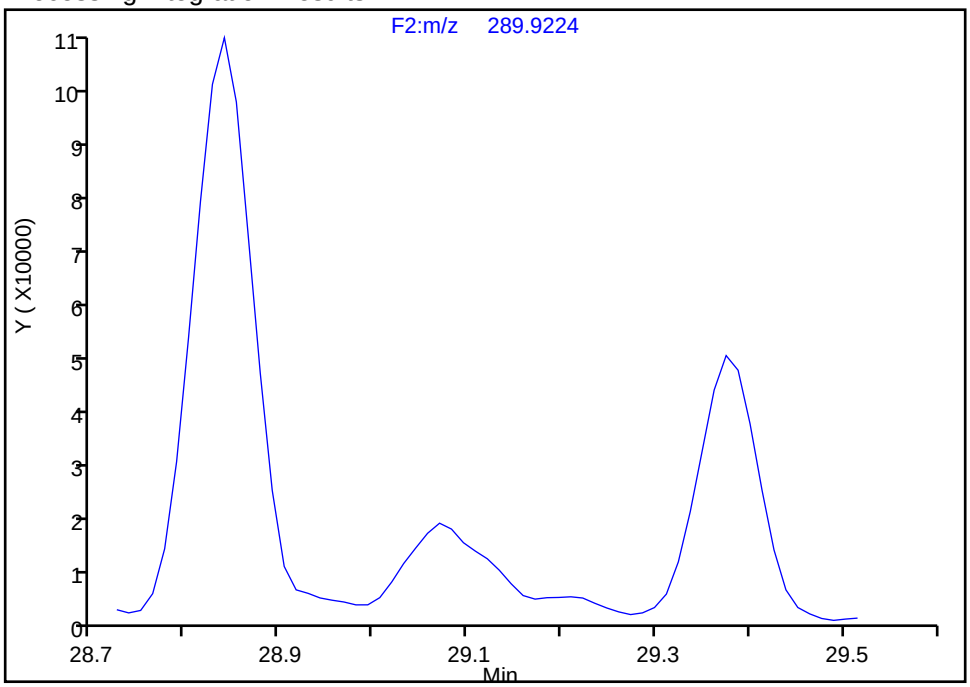
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-67, CAS: 73575-53-8

Signal: 1

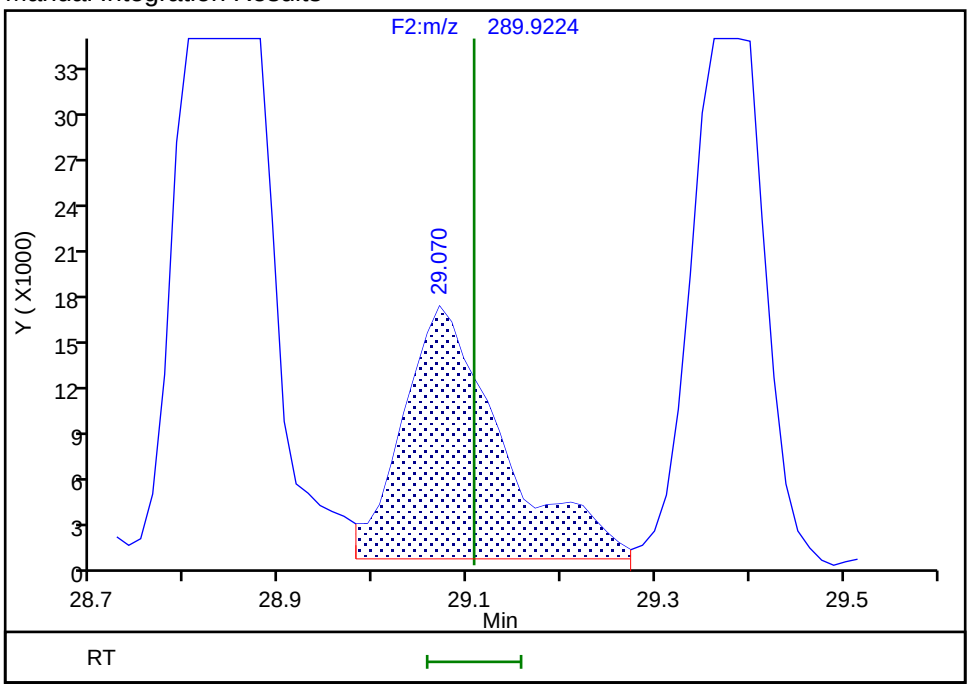
Not Detected
Expected RT: 29.11

Processing Integration Results




Manual Integration Results

RT: 29.07
Area: 120055
Amount: 5.662353
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:07:29
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

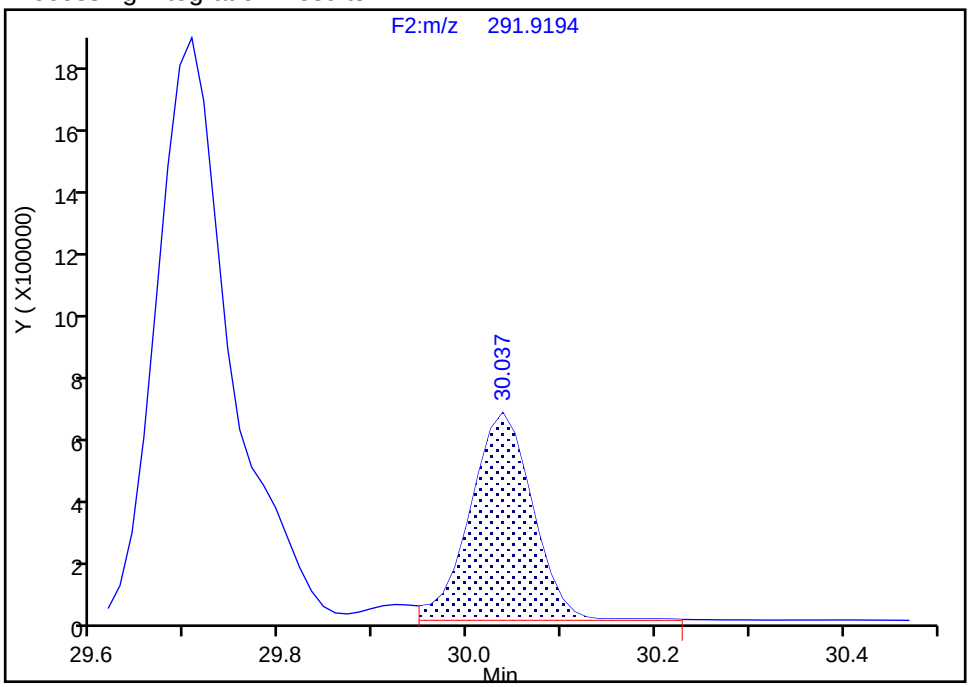
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

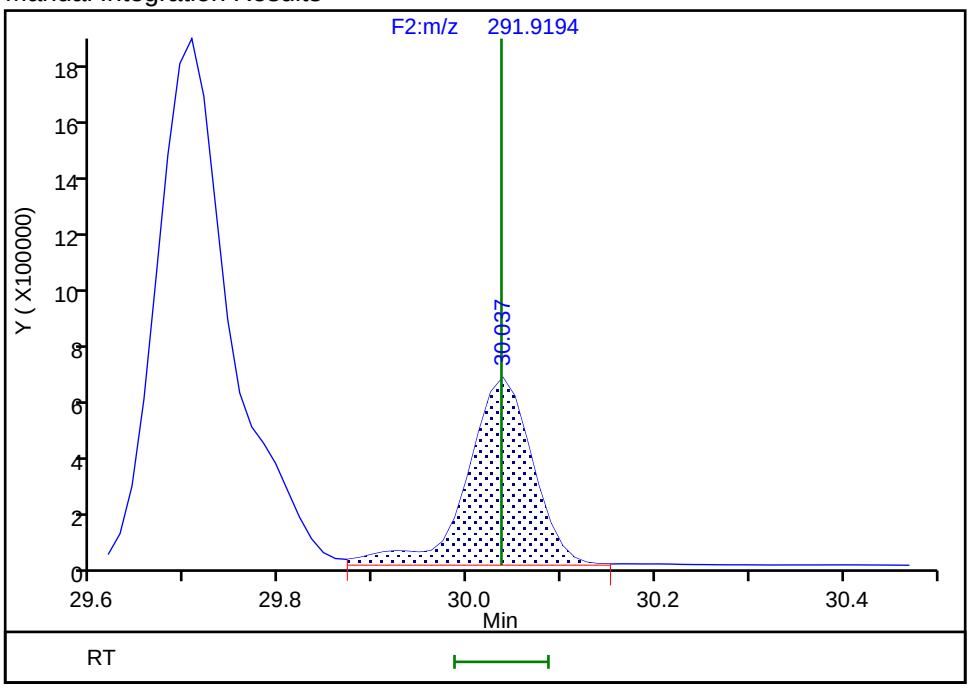
Processing Integration Results

RT: 30.04
Area: 2971520
Amount: 123.0635
Amount Units: pg/ul




Manual Integration Results

RT: 30.04
Area: 3131564
Amount: 129.5737
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:08:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

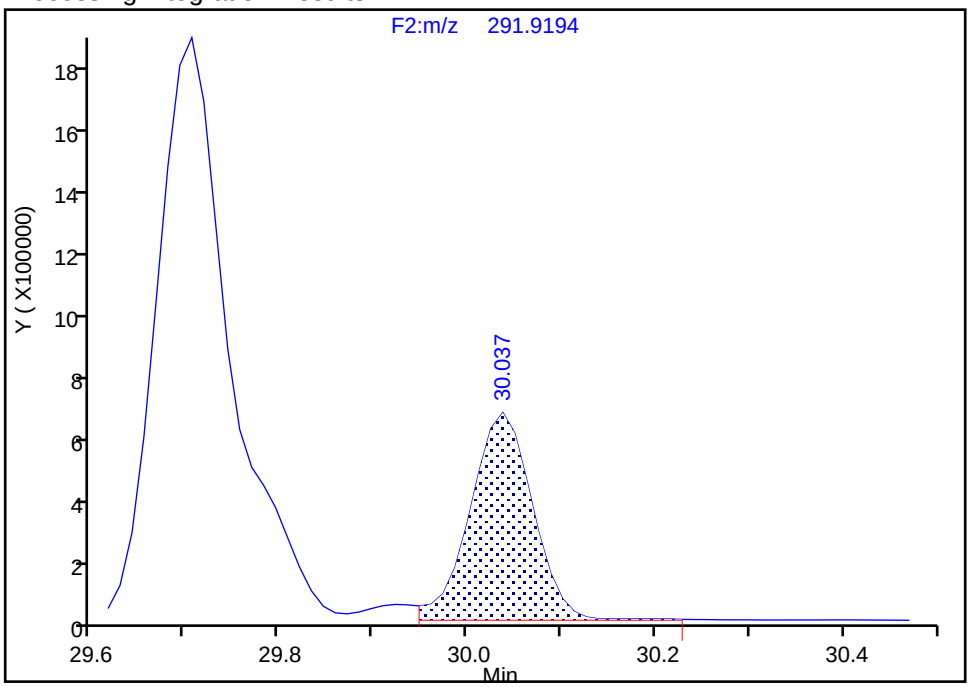
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 30.04
Area: 5326324
Amount: 123.0635
Amount Units: pg/ul




Manual Integration Results

RT: 30.04
Area: 5608090
Amount: 129.5737
Amount Units: pg/ul
Reviewer: mcwhirterl, 14-Oct-2019 00:08:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

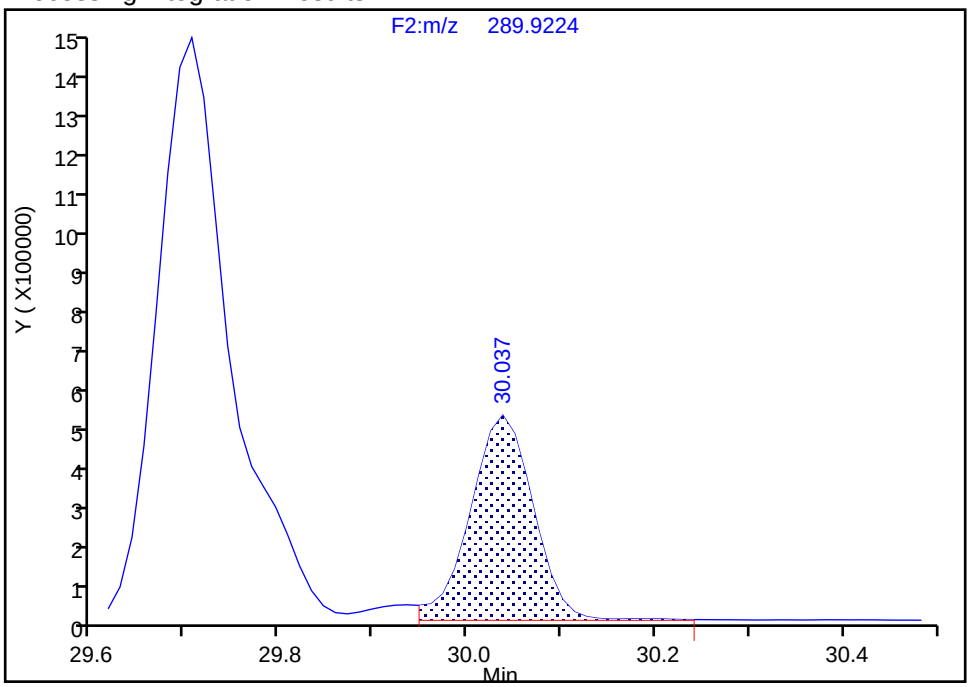
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

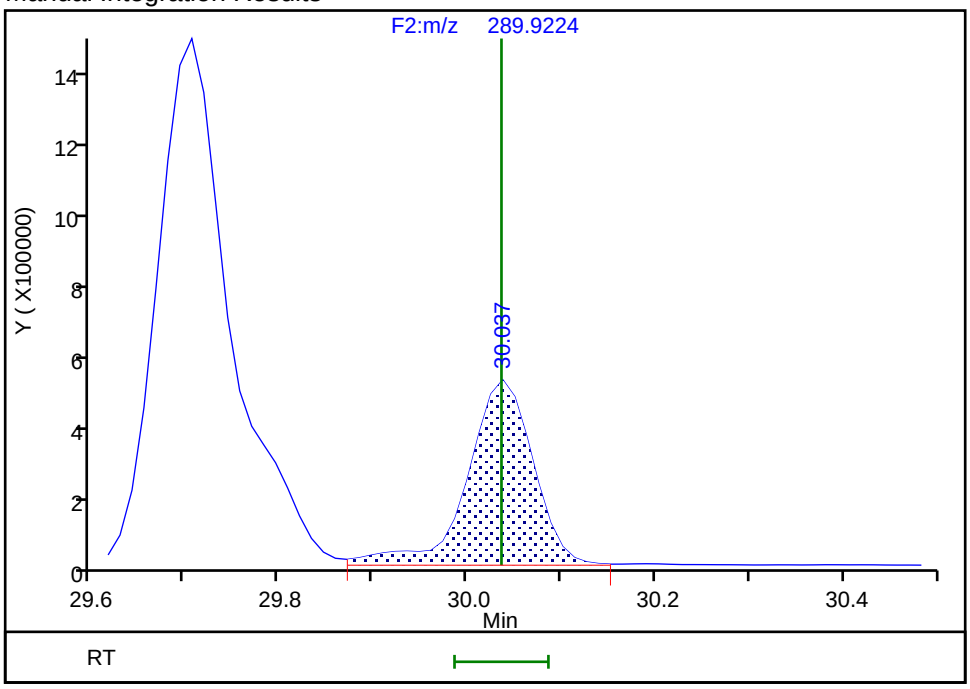
Processing Integration Results

RT: 30.04
Area: 2354804
Amount: 123.0635
Amount Units: pg/ul




Manual Integration Results

RT: 30.04
Area: 2476526
Amount: 129.5737
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:08:22

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

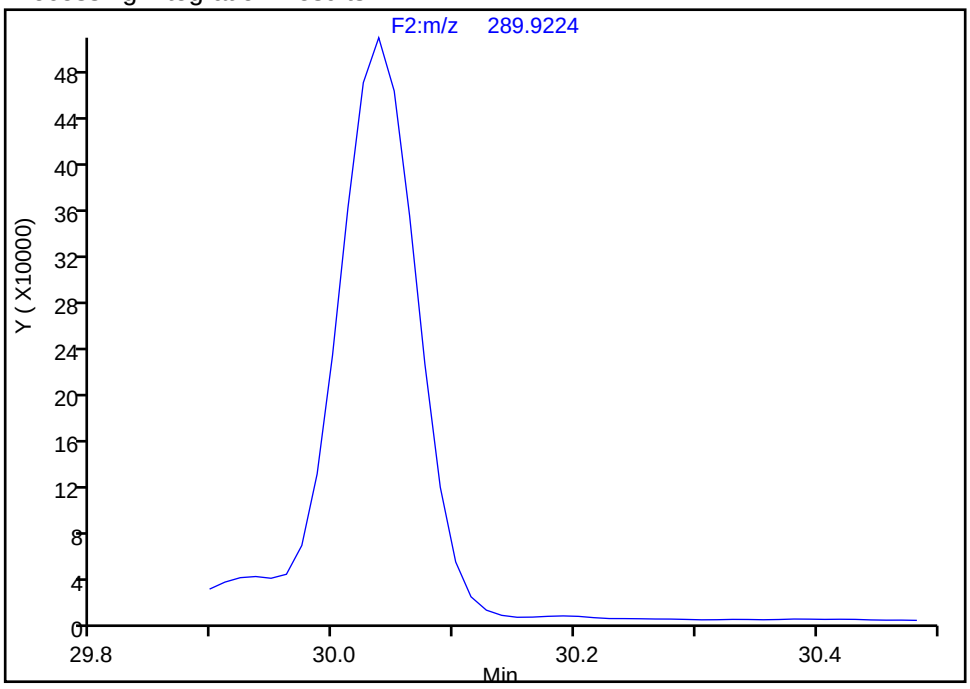
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

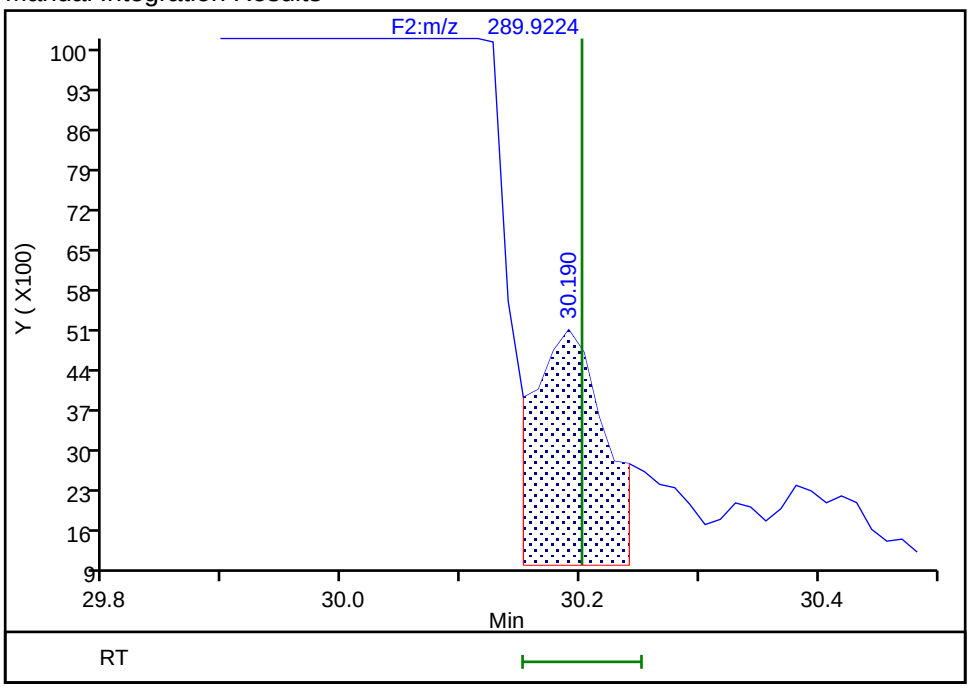
Not Detected
Expected RT: 30.20

Processing Integration Results




Manual Integration Results

RT: 30.19
Area: 16342
Amount: 0.801401
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:08:26
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

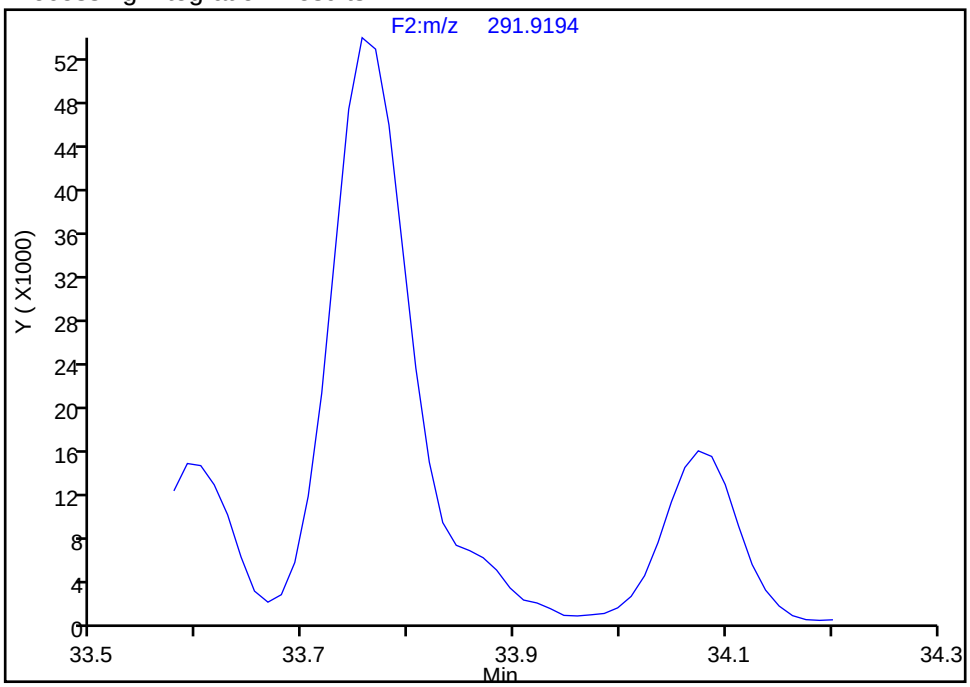
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

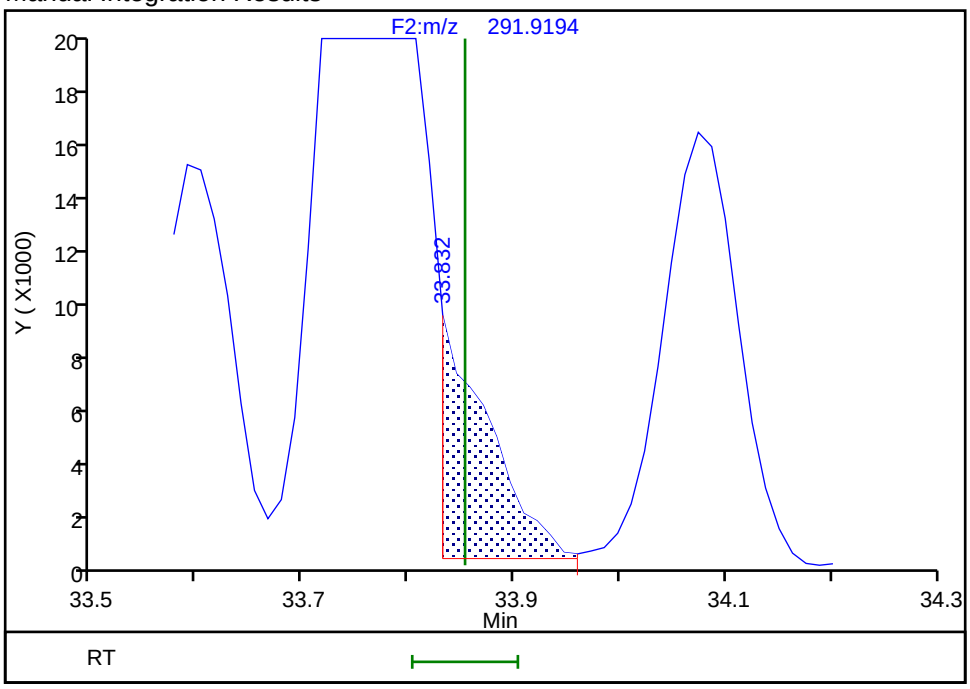
Not Detected
Expected RT: 33.85

Processing Integration Results




Manual Integration Results

RT: 33.83
Area: 25683
Amount: 0.971340
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:08:54
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

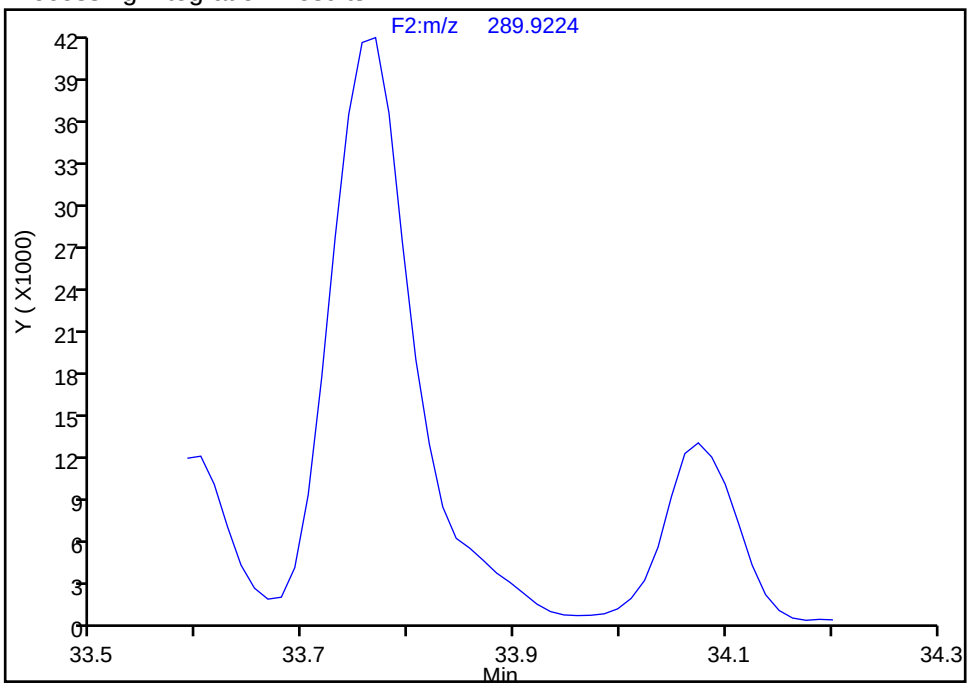
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

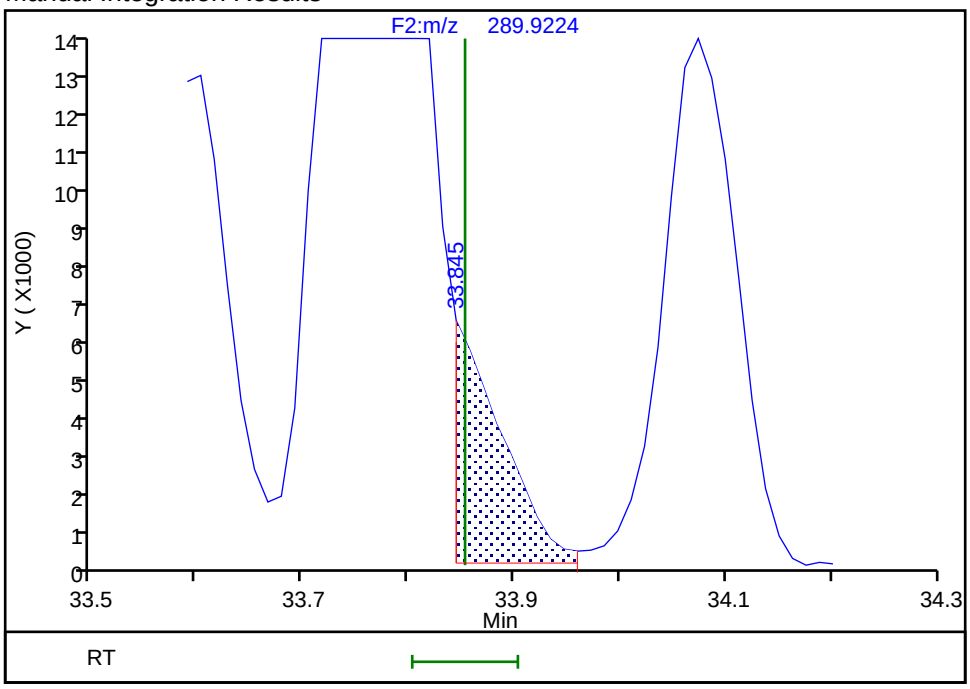
Not Detected
Expected RT: 33.85

Processing Integration Results




Manual Integration Results

RT: 33.84
Area: 16503
Amount: 0.971340
Amount Units: pg/ul

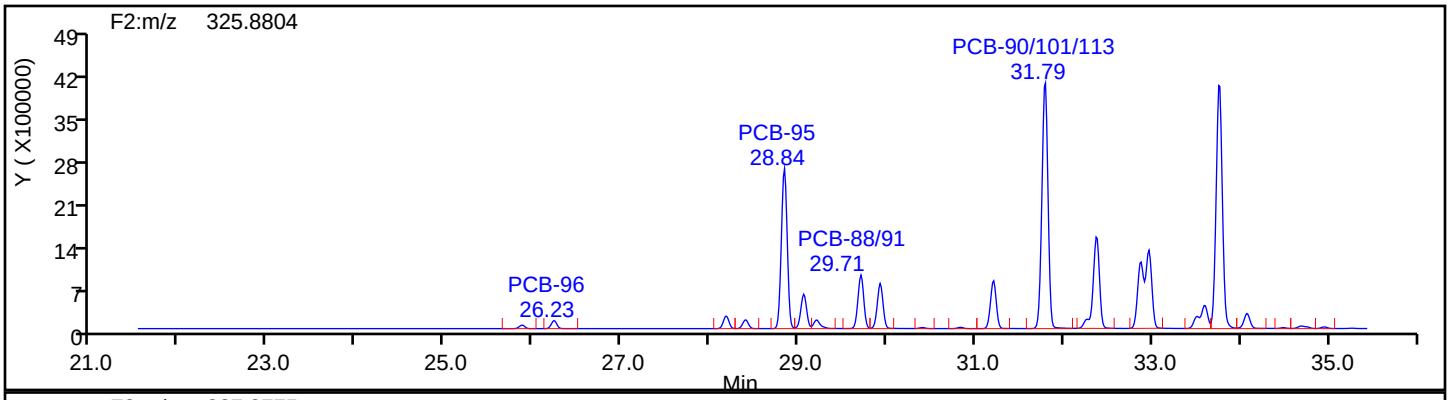


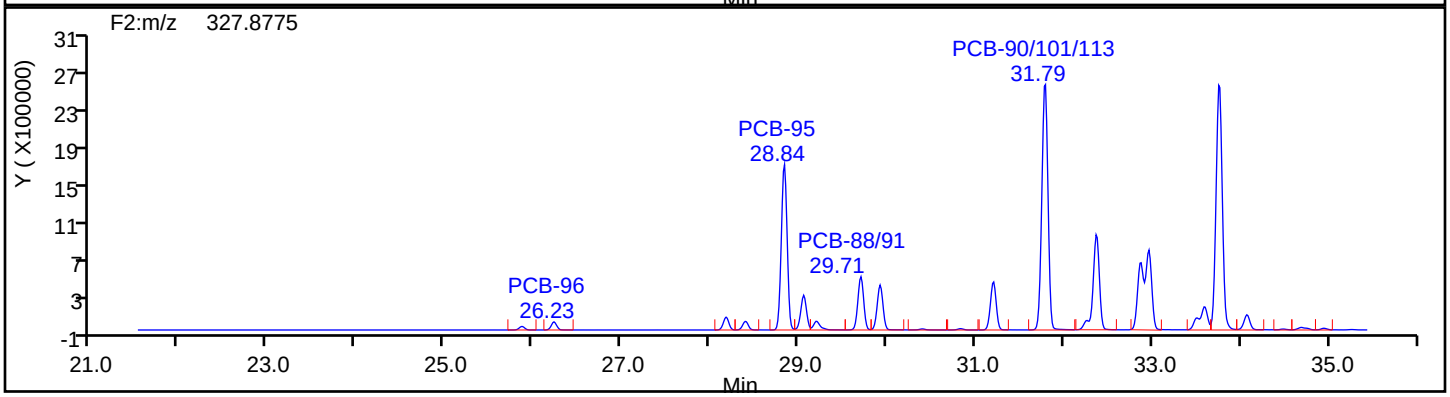

Reviewer: mcwhirterl, 14-Oct-2019 00:09:02
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

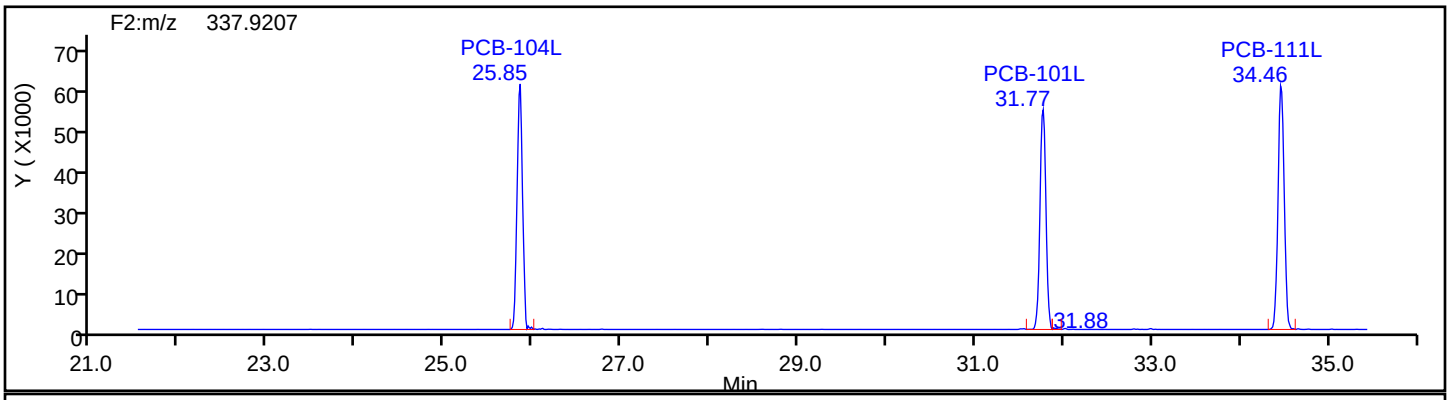
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

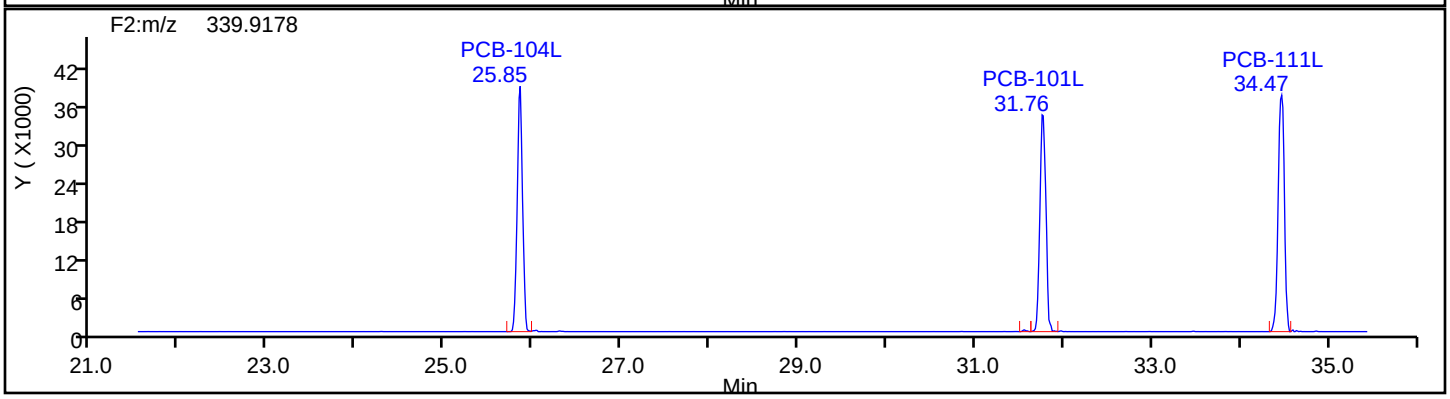
PePCB F2




PePCB F2 Standards

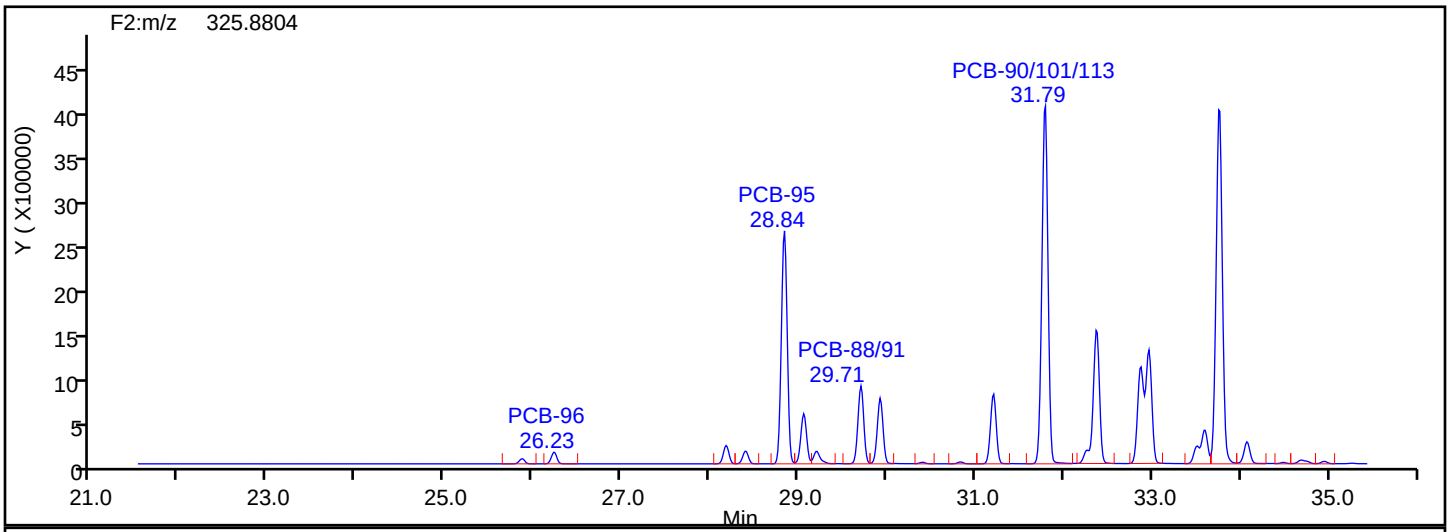


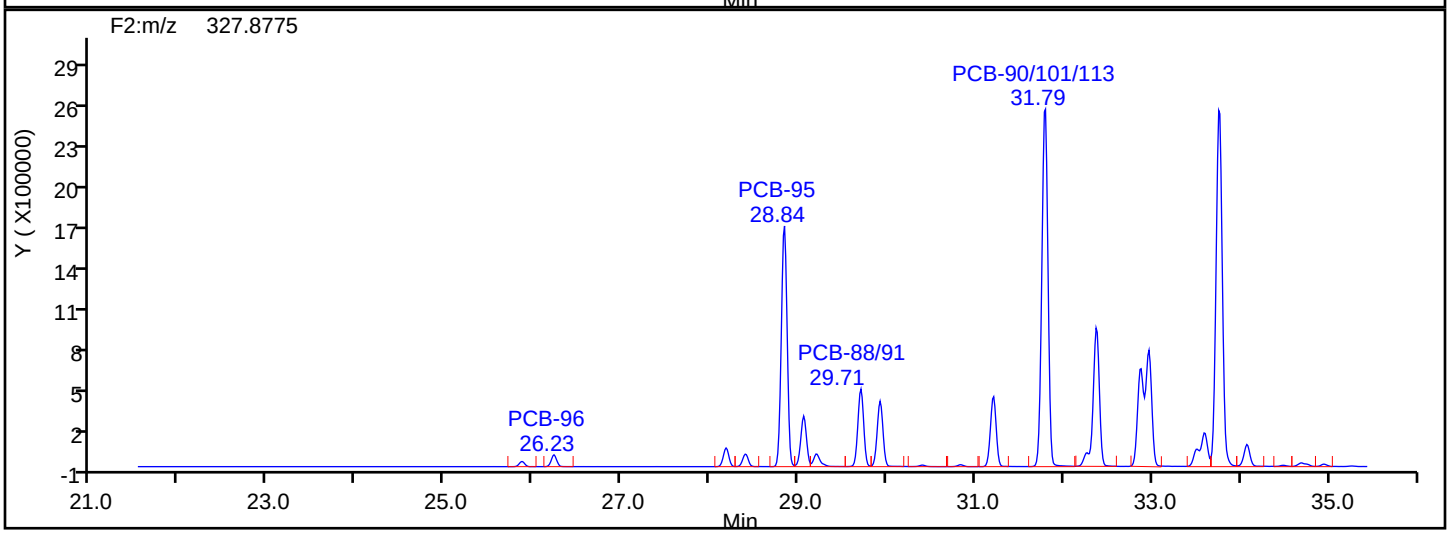



Eurofins TestAmerica, Knoxville

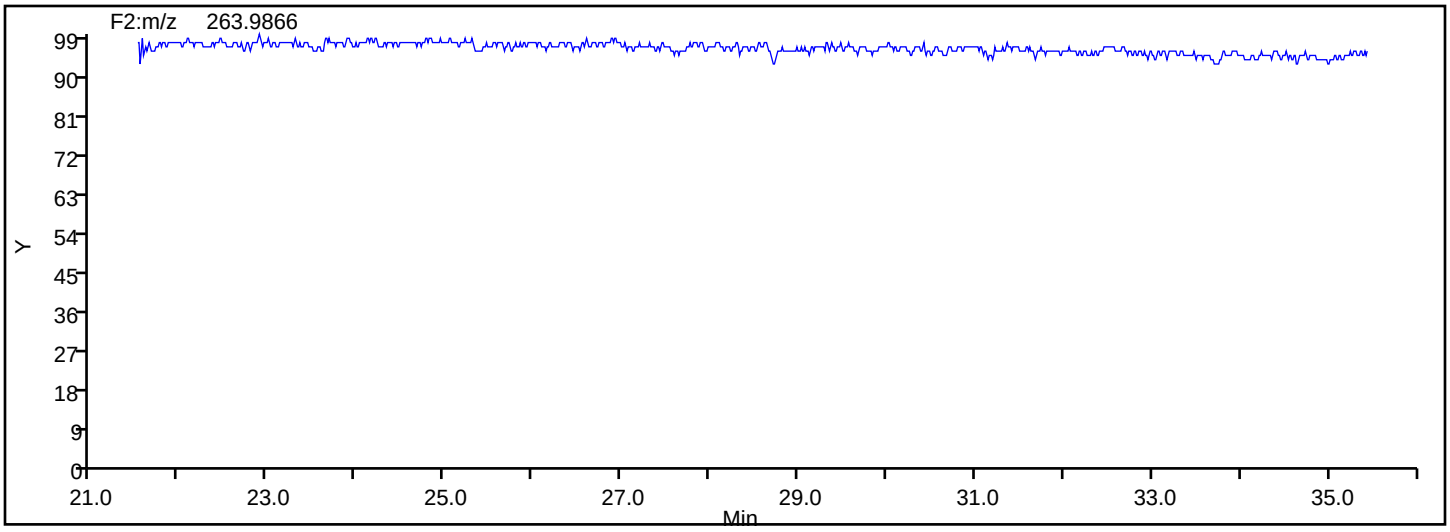
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

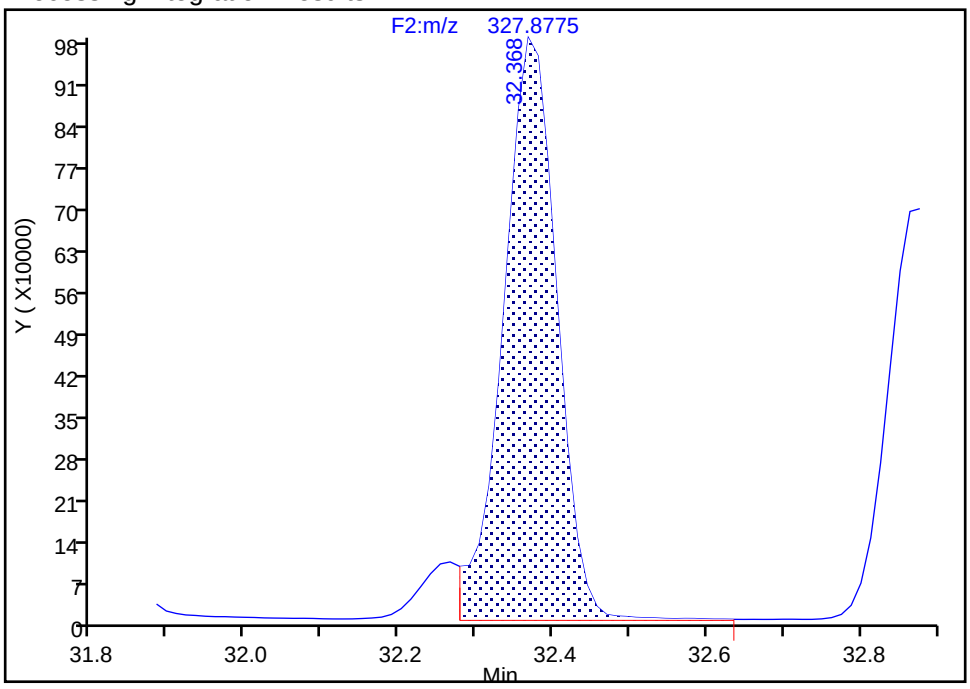
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

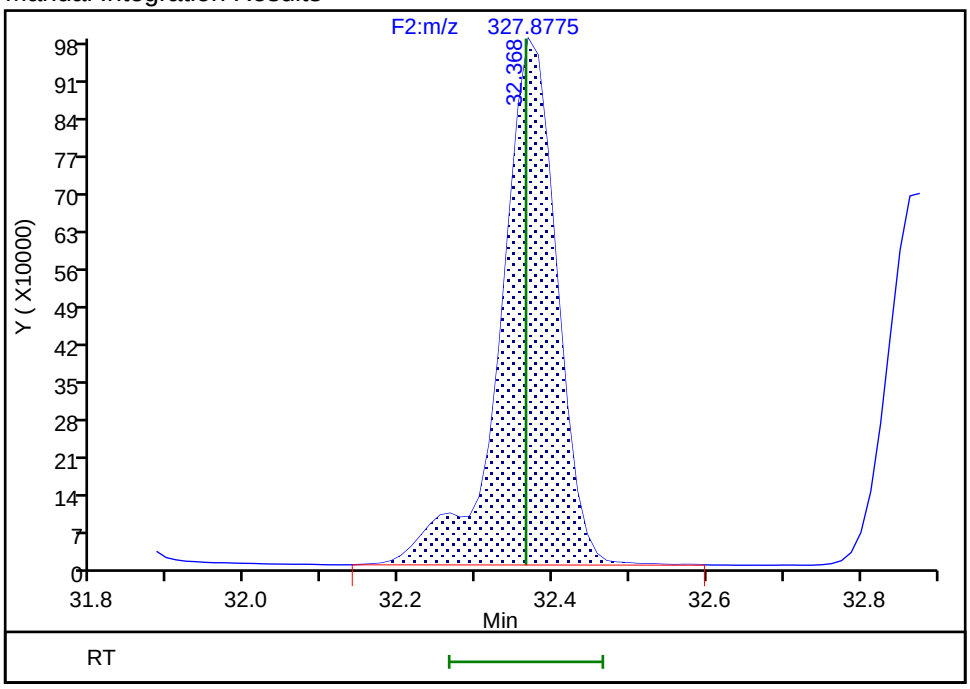
Processing Integration Results

RT: 32.37
Area: 4770265
Amount: 607.7795
Amount Units: pg/ul




Manual Integration Results

RT: 32.37
Area: 5056212
Amount: 643.1135
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:09:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

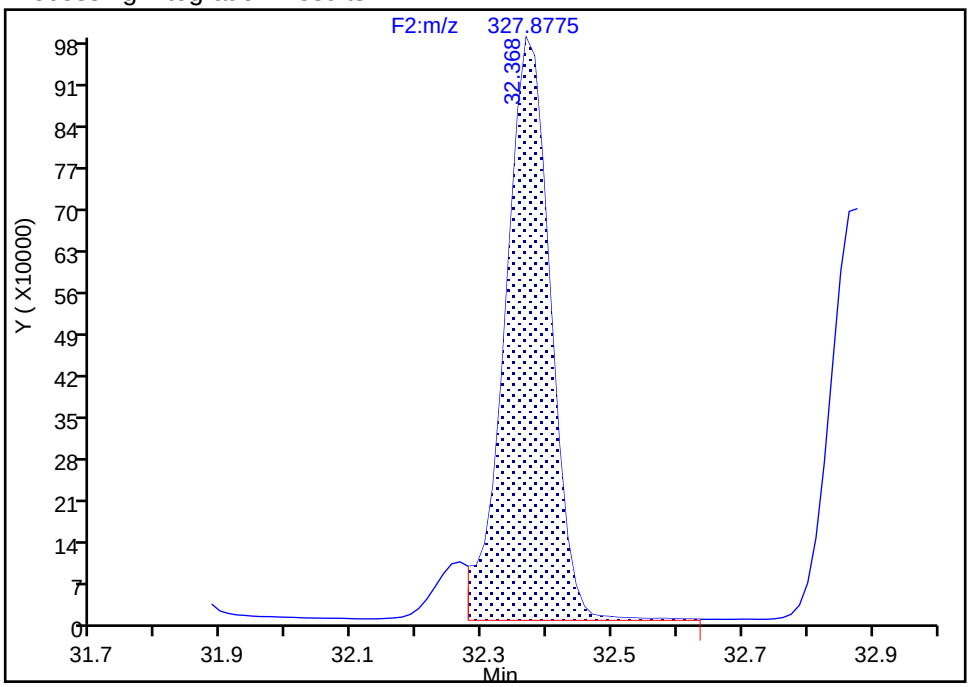
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.37
Area: 12186856
Amount: 607.7795
Amount Units: pg/ul




Manual Integration Results

RT: 32.37
Area: 12895352
Amount: 643.1135
Amount Units: pg/ul
Reviewer: mcwhirterl, 14-Oct-2019 00:09:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

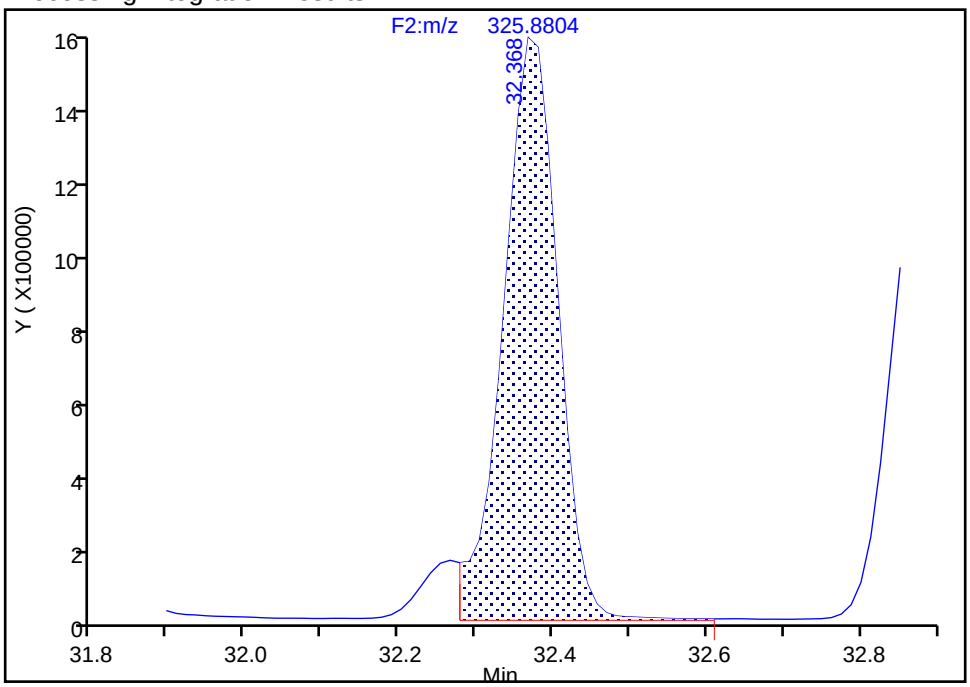
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

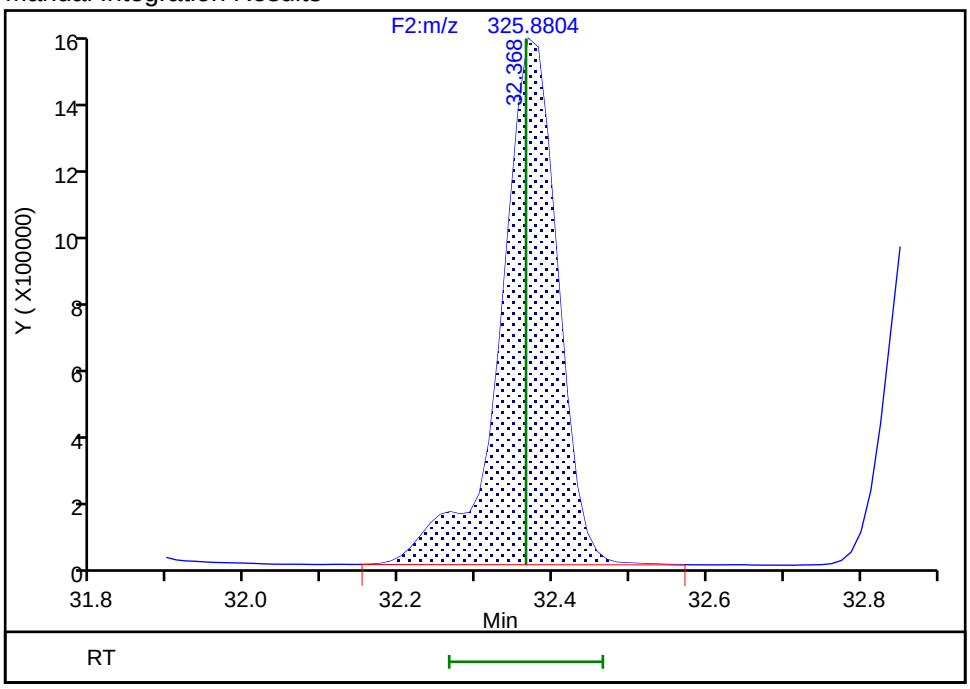
Processing Integration Results

RT: 32.37
Area: 7416591
Amount: 607.7795
Amount Units: pg/ul




Manual Integration Results

RT: 32.37
Area: 7839140
Amount: 643.1135
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:09:46

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

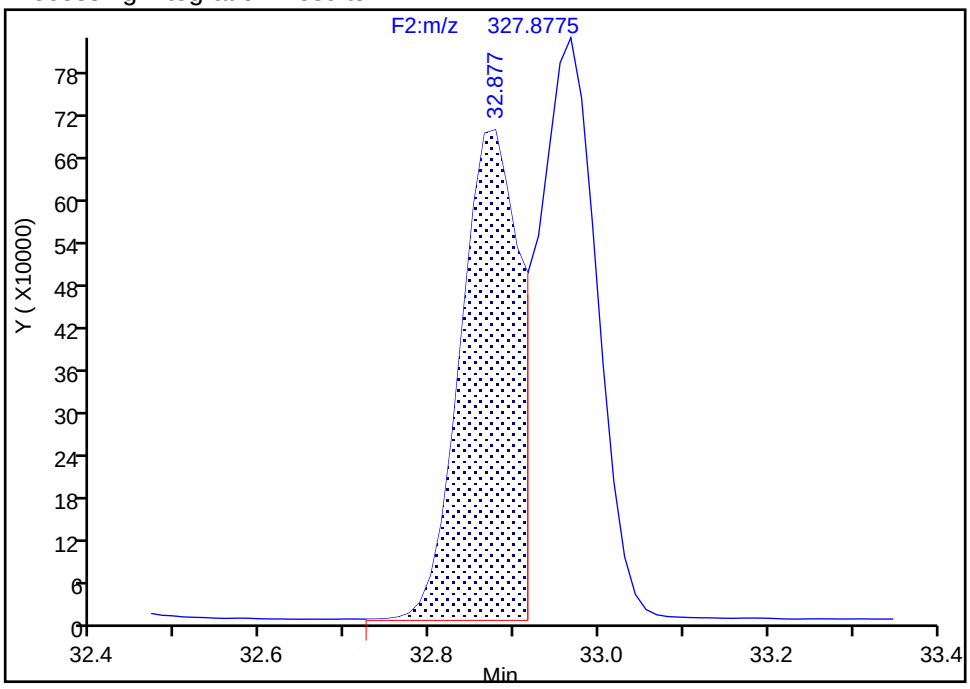
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

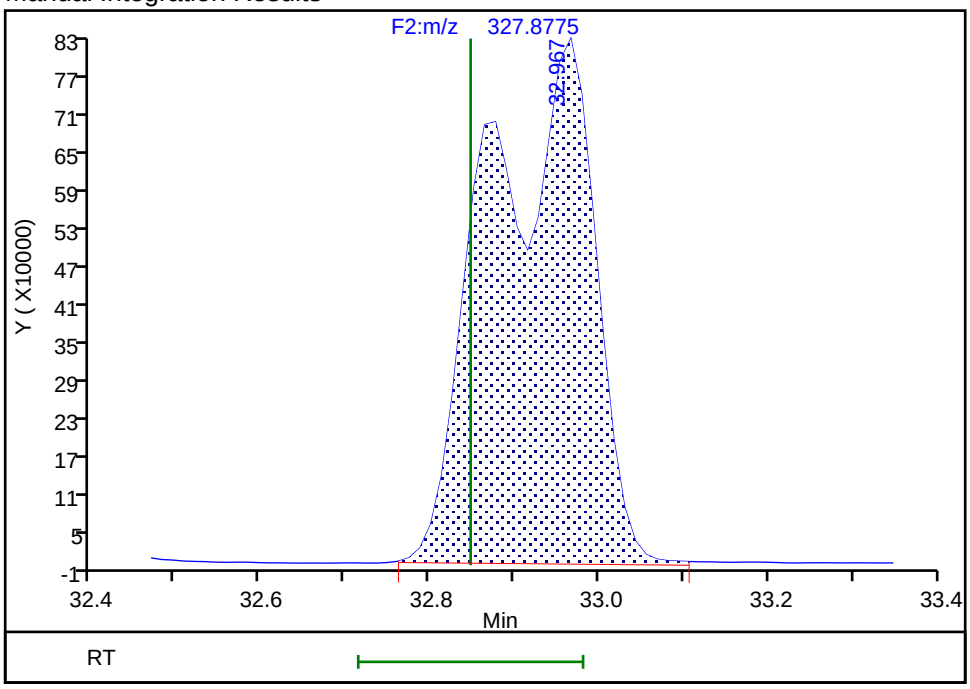
Processing Integration Results

RT: 32.88
Area: 3308588
Amount: 332.1395
Amount Units: pg/ul




Manual Integration Results

RT: 32.97
Area: 7200126
Amount: 721.3104
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:10:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

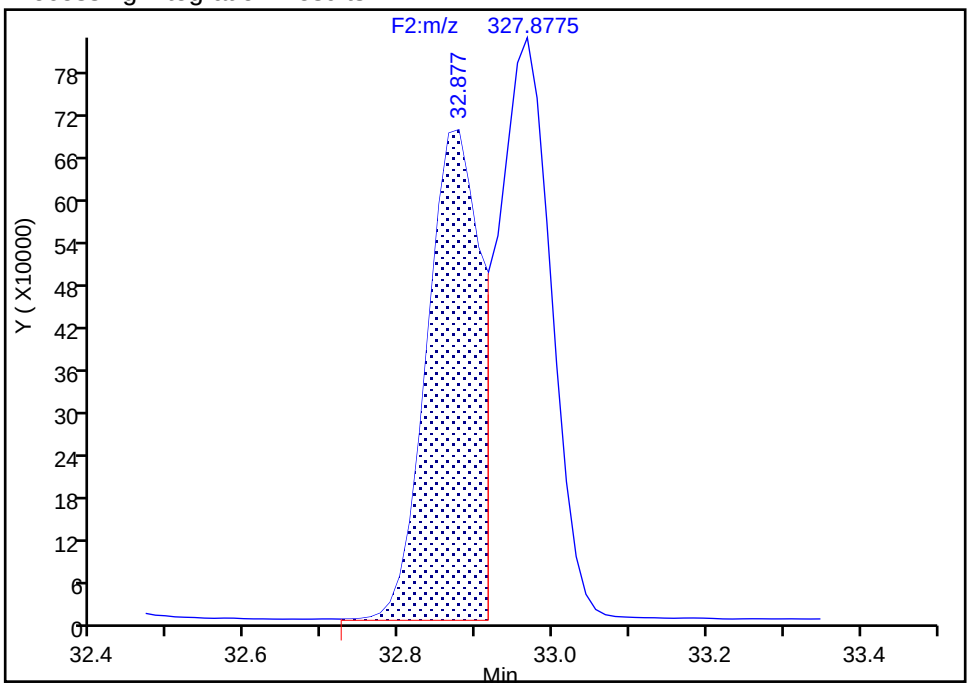
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.88
Area: 8478187
Amount: 332.1395
Amount Units: pg/ul




Manual Integration Results

RT: 32.97
Area: 18412158
Amount: 721.3104
Amount Units: pg/ul
Reviewer: mcwhirterl, 14-Oct-2019 00:10:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

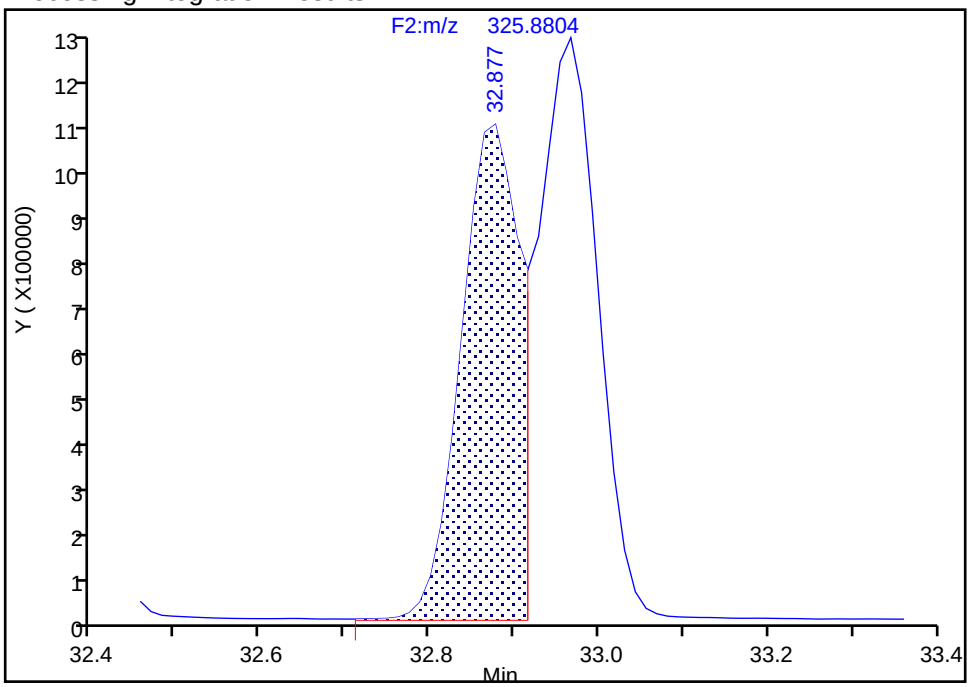
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

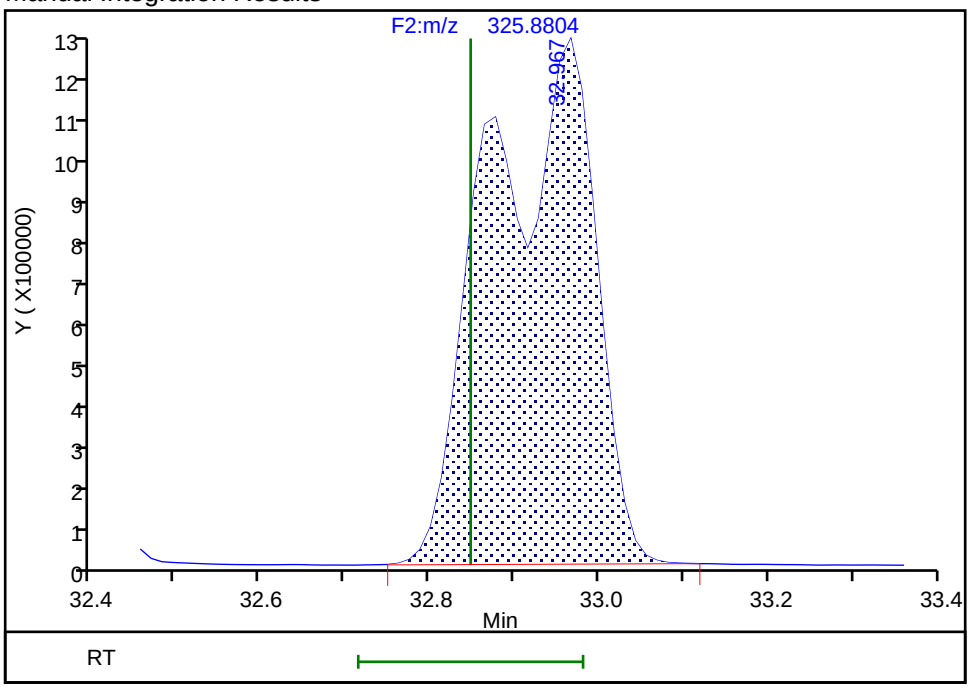
Processing Integration Results

RT: 32.88
Area: 5169599
Amount: 332.1395
Amount Units: pg/ul




Manual Integration Results

RT: 32.97
Area: 11212032
Amount: 721.3104
Amount Units: pg/ul



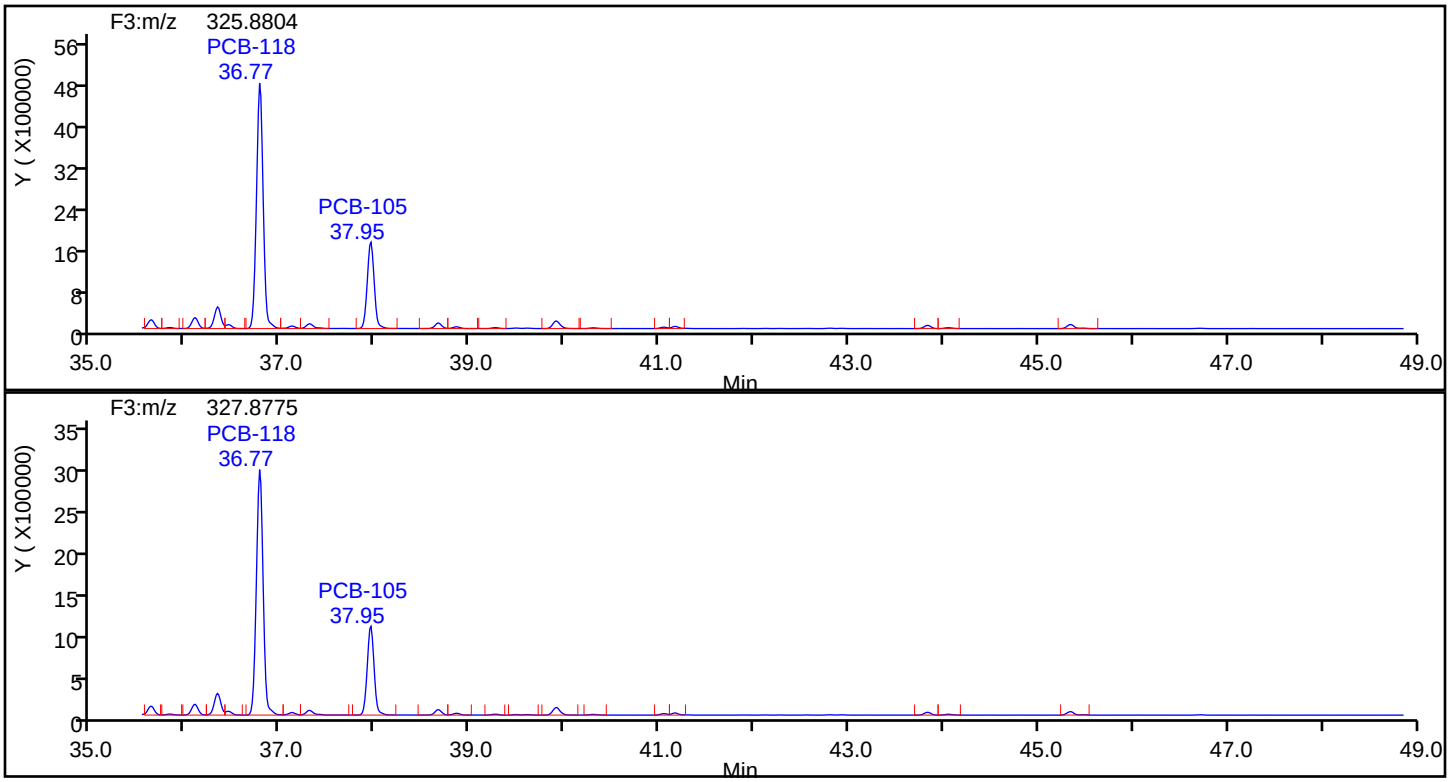

Reviewer: mcwhirterl, 14-Oct-2019 00:10:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

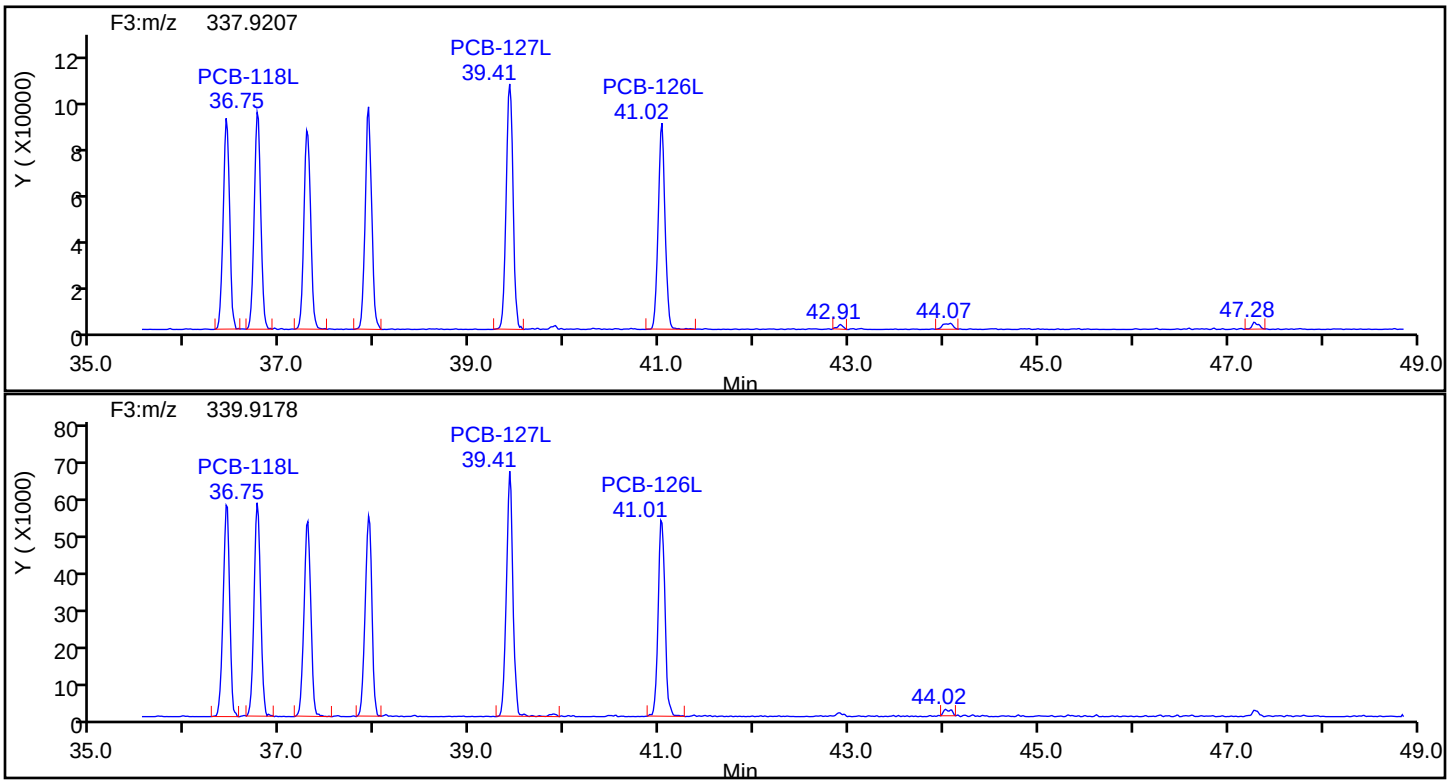
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



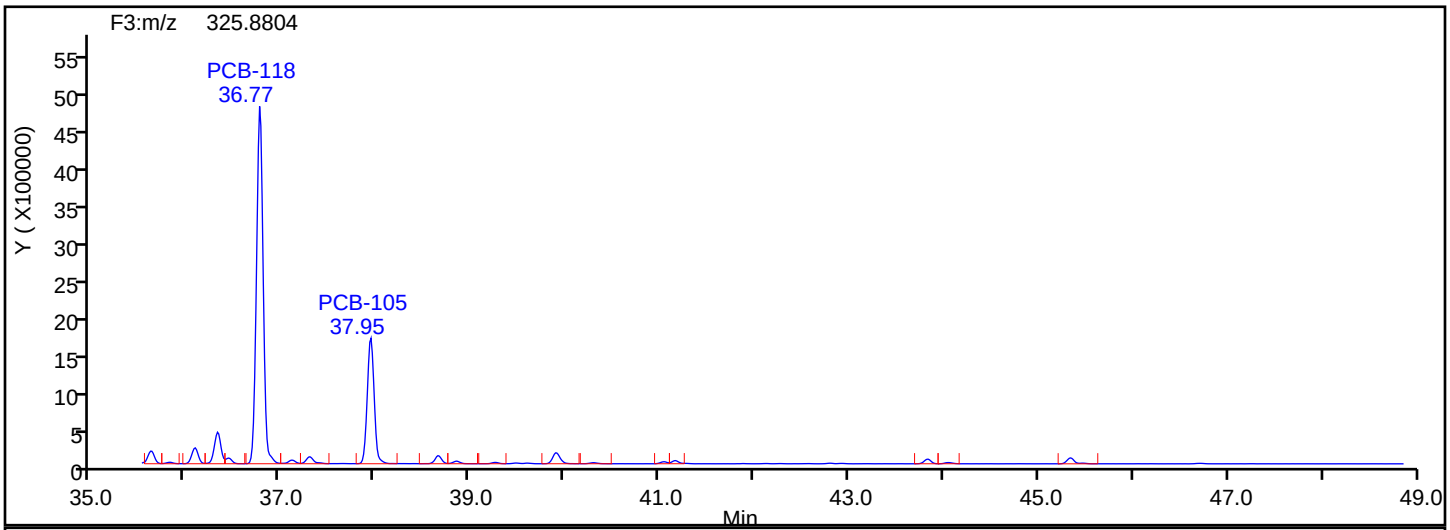

PePCB F3 Standards

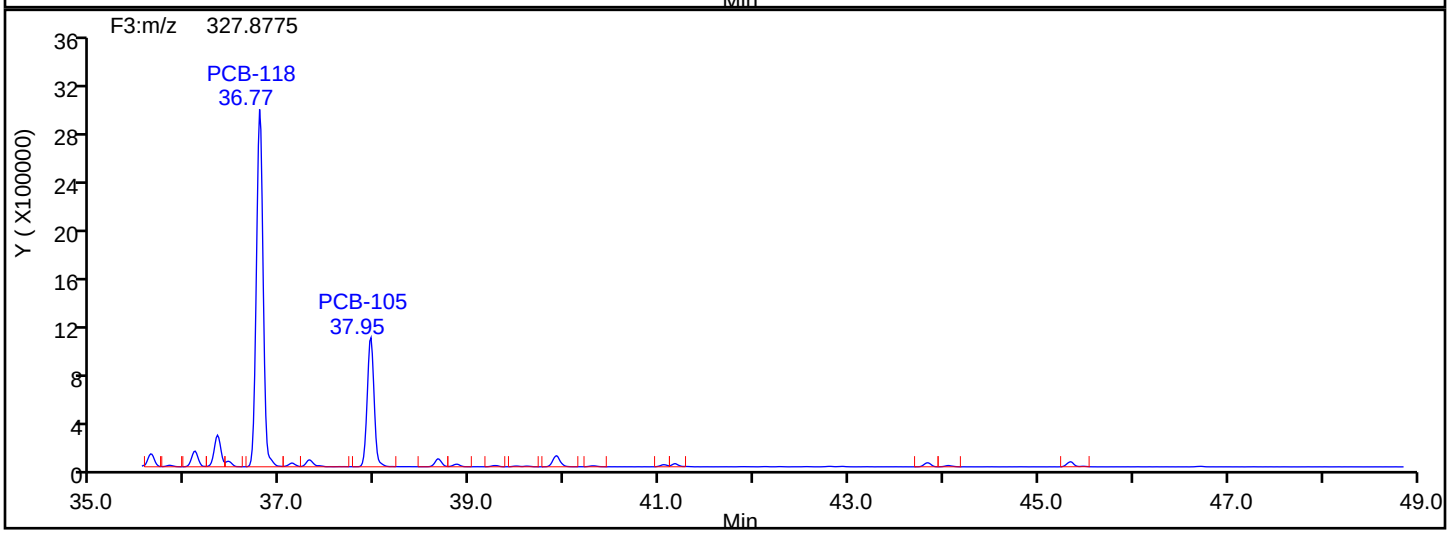


Eurofins TestAmerica, Knoxville

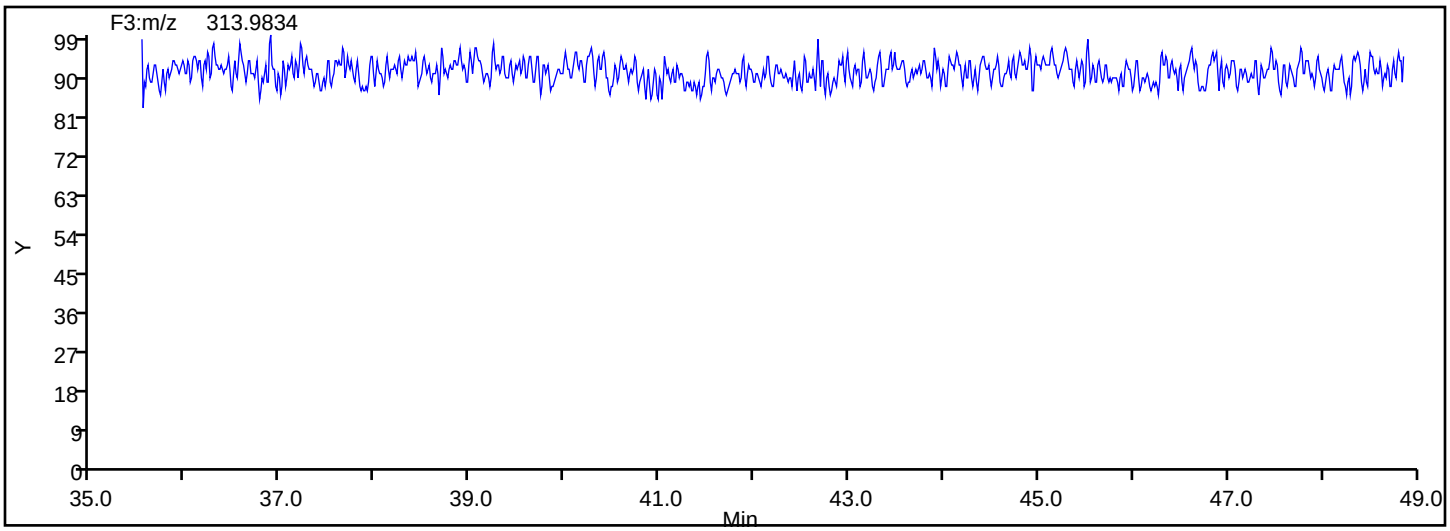
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

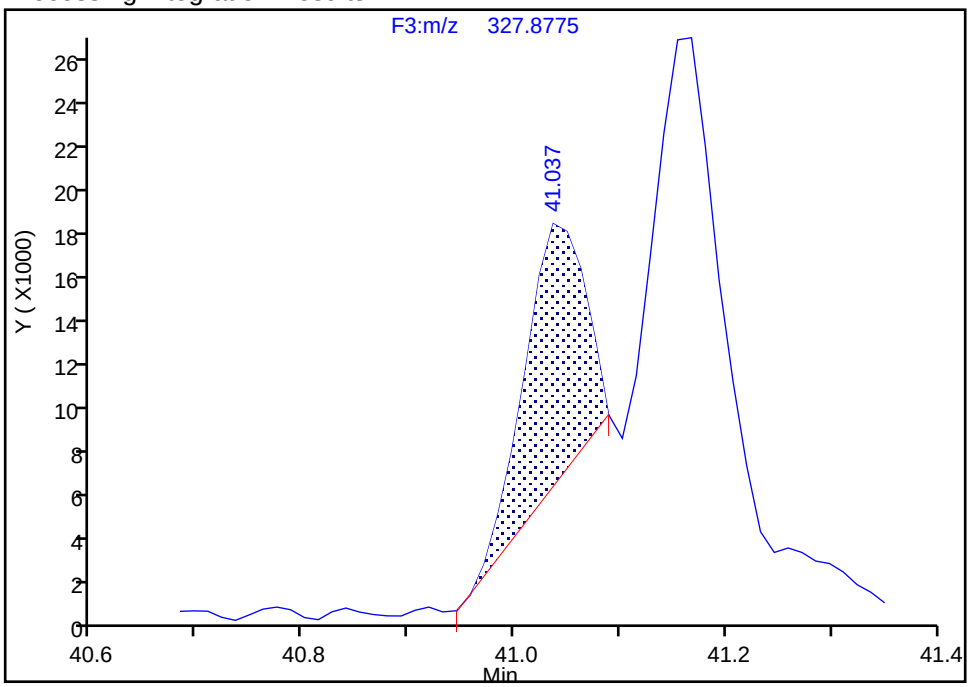
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

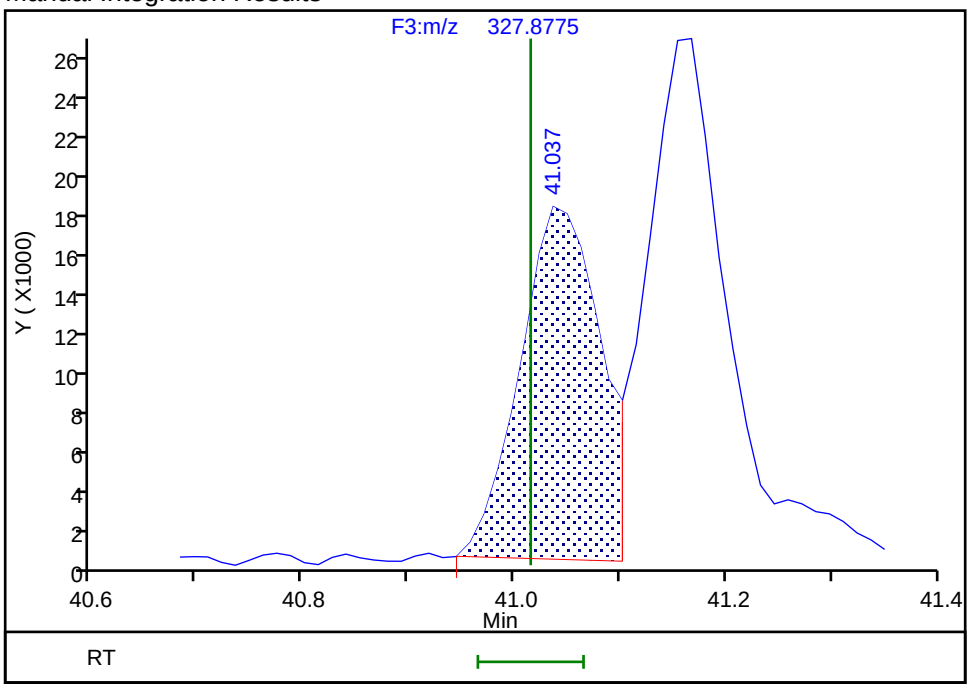
Processing Integration Results

RT: 41.04
Area: 45860
Amount: 3.788848
Amount Units: pg/ul




Manual Integration Results

RT: 41.04
Area: 91066
Amount: 4.722669
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:11:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

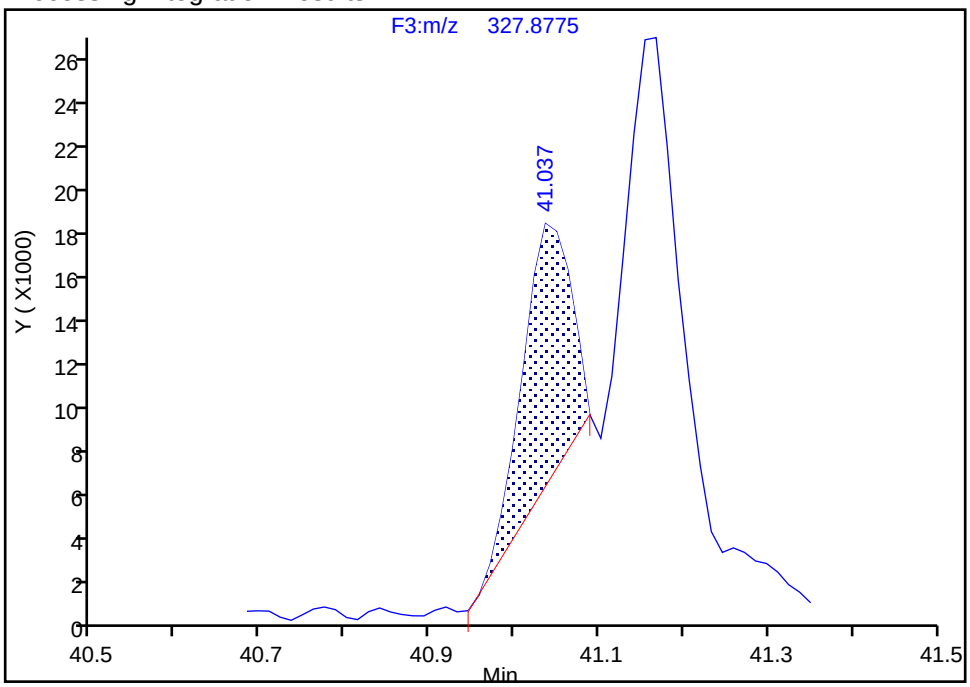
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 3

Processing Integration Results

RT: 41.05
Area: 183417
Amount: 3.788848
Amount Units: pg/ul




Manual Integration Results

RT: 41.05
Area: 228623
Amount: 4.722669
Amount Units: pg/ul
Reviewer: mcwhirterl, 14-Oct-2019 00:11:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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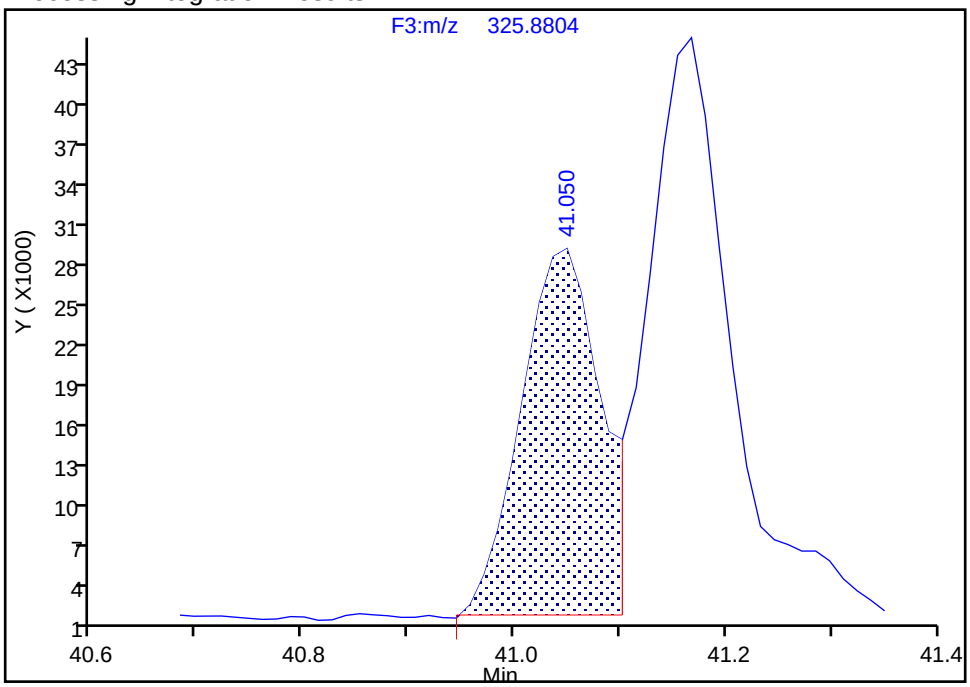
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

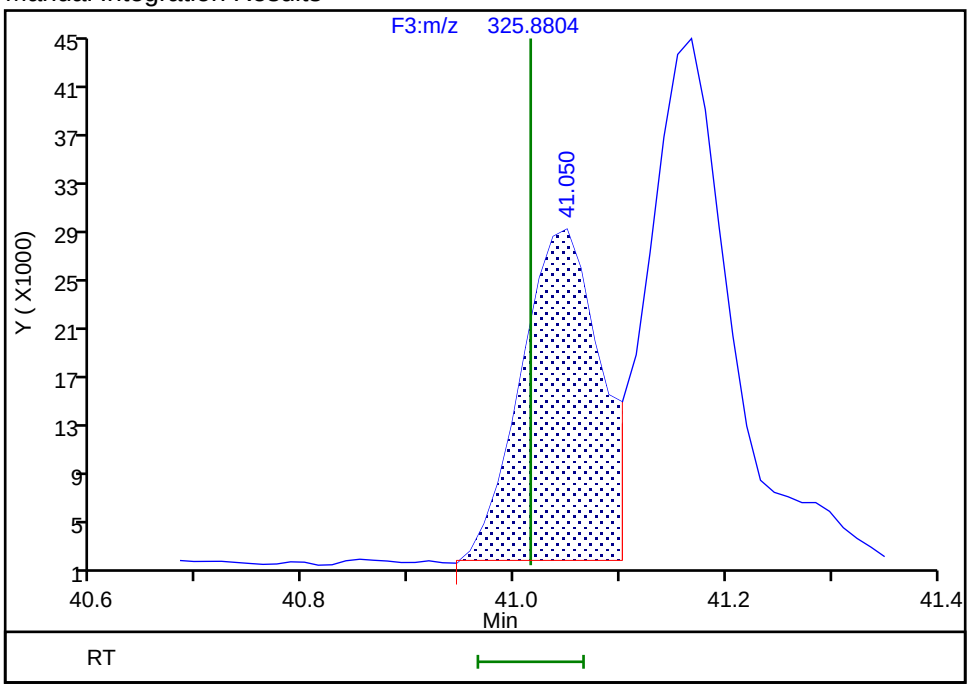
Processing Integration Results

RT: 41.05
Area: 137557
Amount: 3.788848
Amount Units: pg/ul




Manual Integration Results

RT: 41.05
Area: 137557
Amount: 4.722669
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:11:15

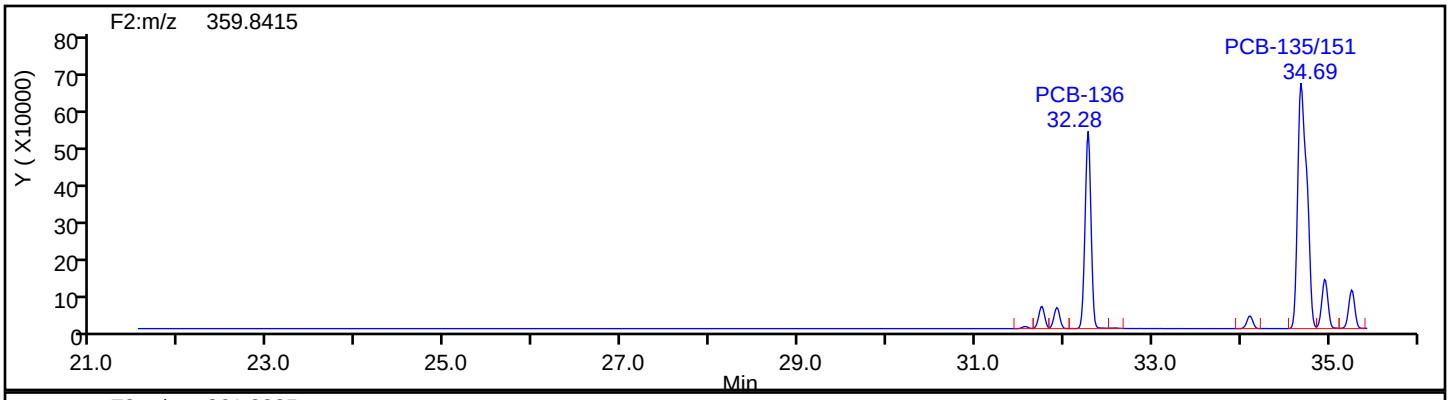
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

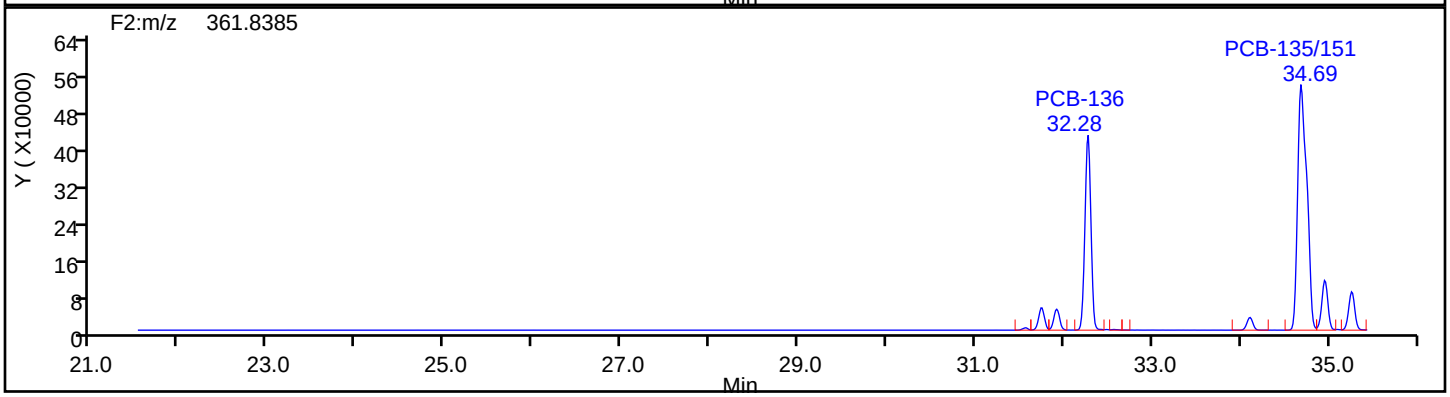
Report Date: 14-Oct-2019 00:14:22 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

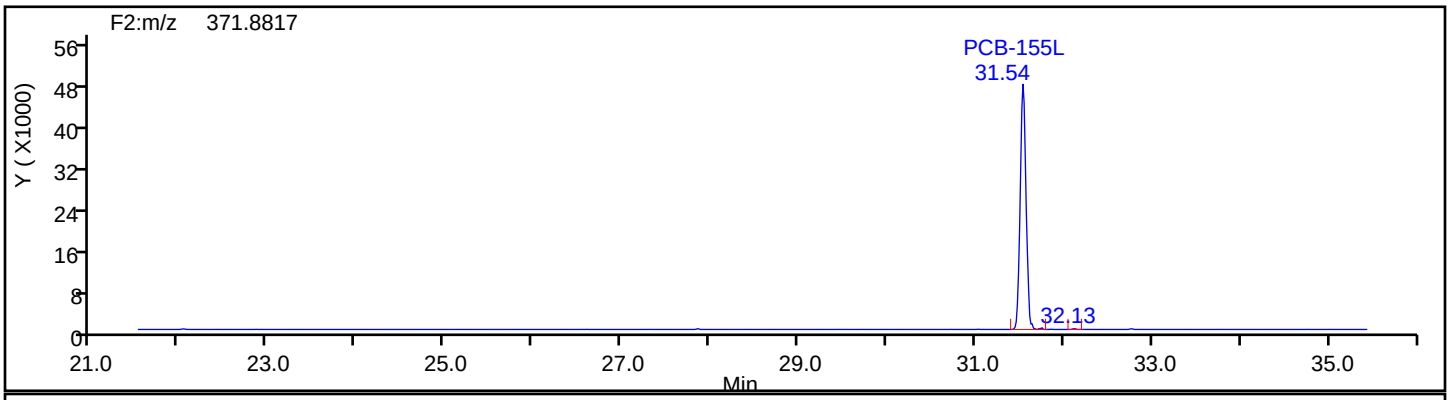
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

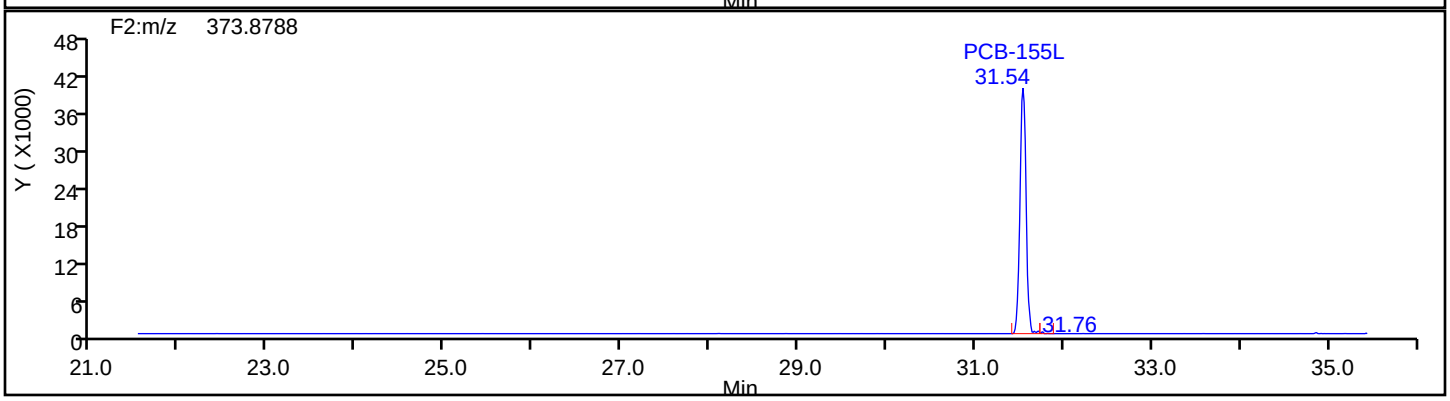
HxPCB F2




HxPCB F2 Standards



Eurofins TestAmerica, Knoxville

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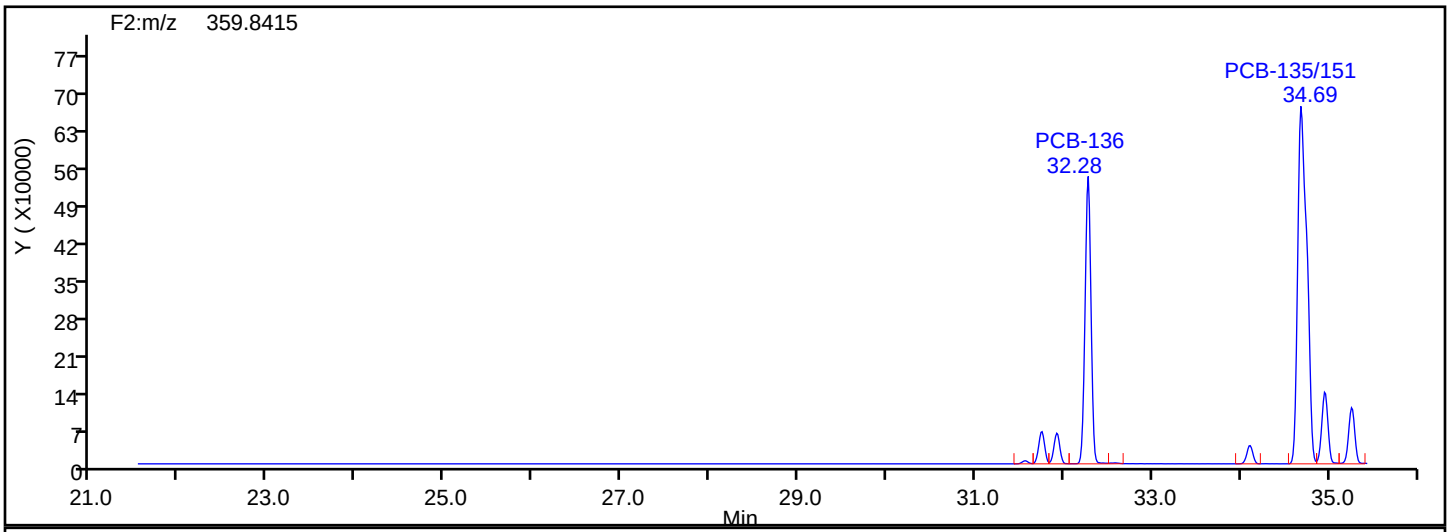
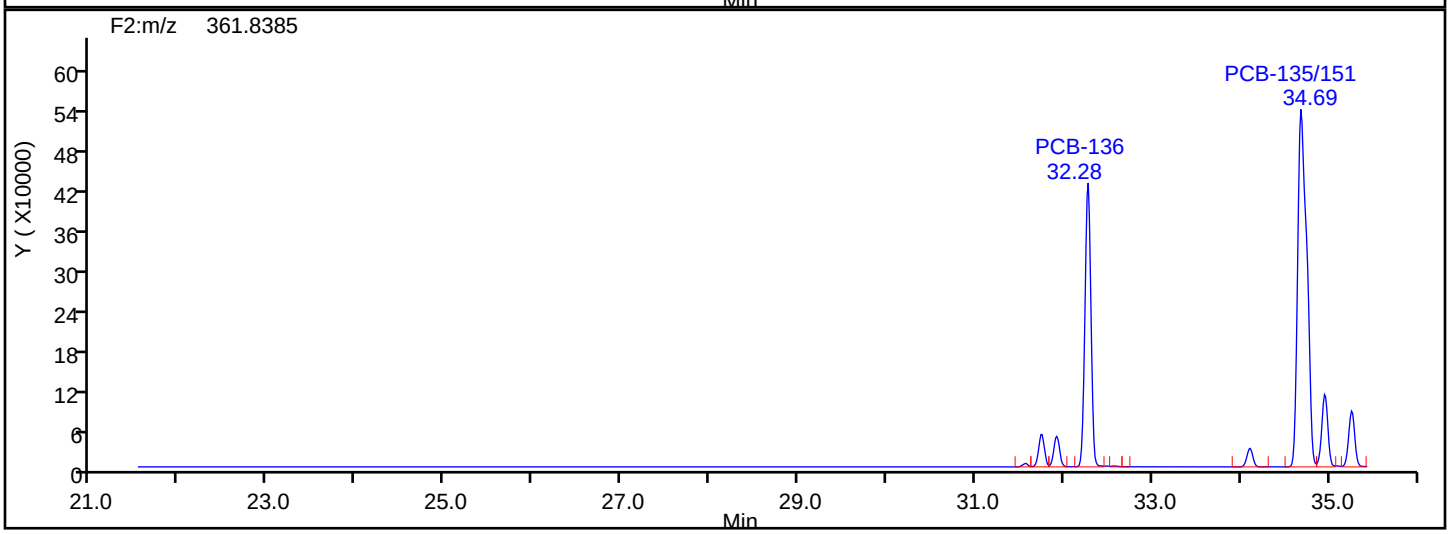
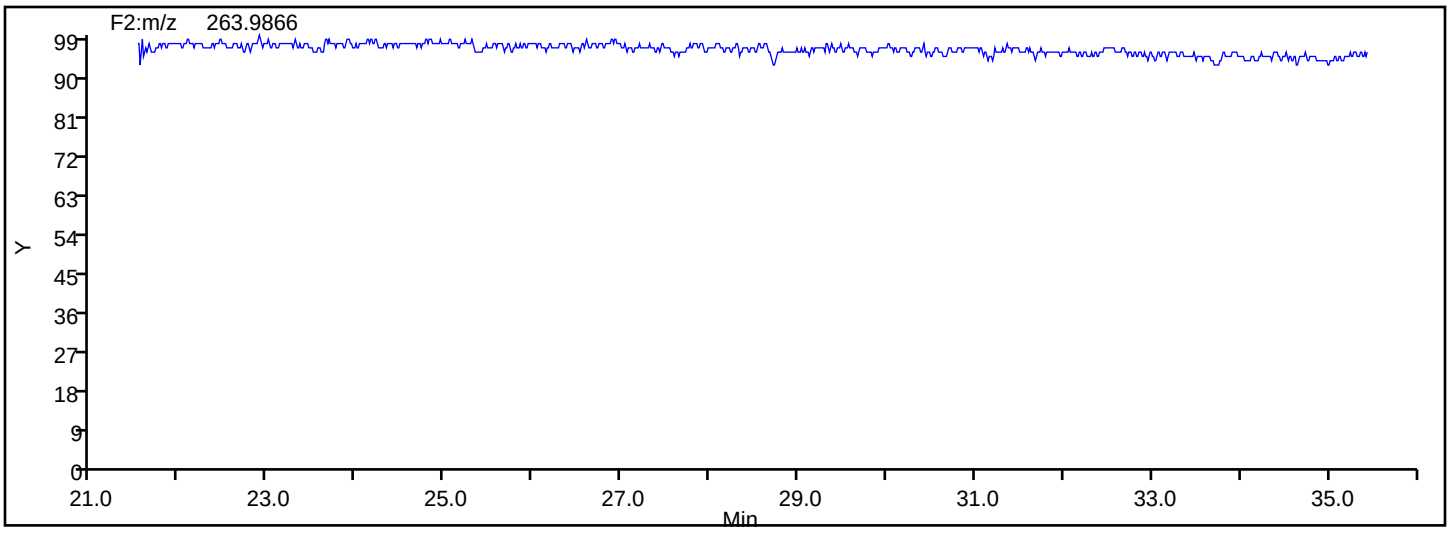
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

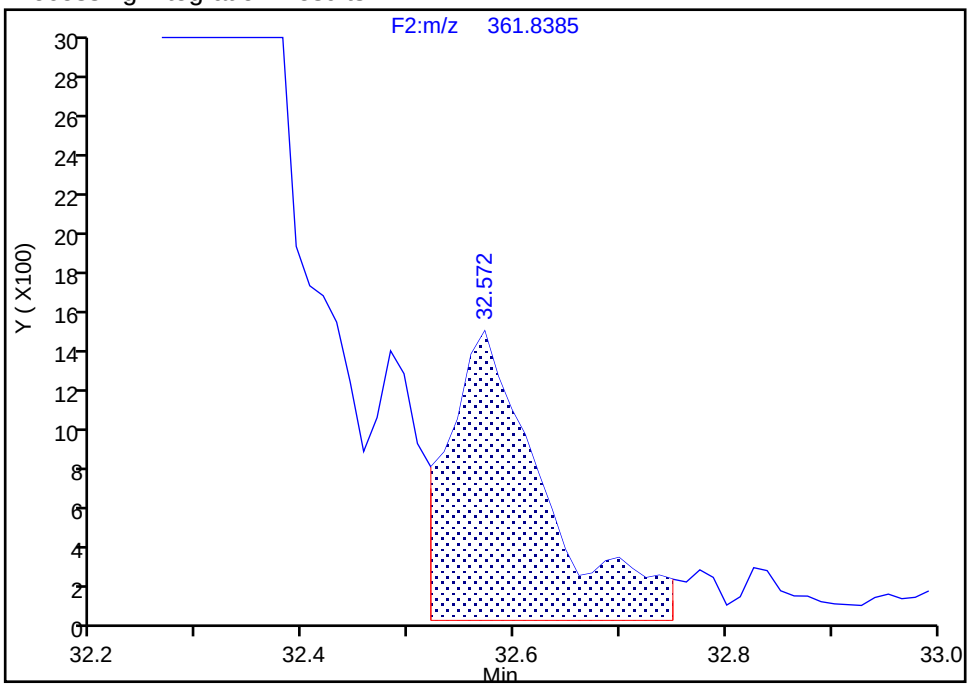
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

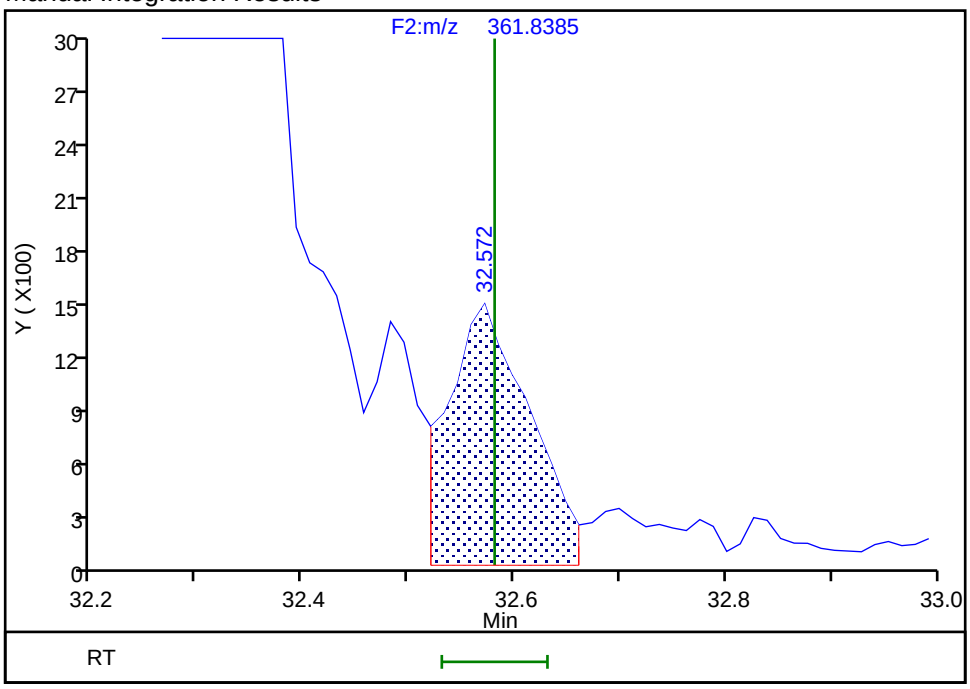
Processing Integration Results

RT: 32.57
Area: 9009
Amount: 0.513708
Amount Units: pg/ul




Manual Integration Results

RT: 32.57
Area: 7660
Amount: 0.765338
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:12:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

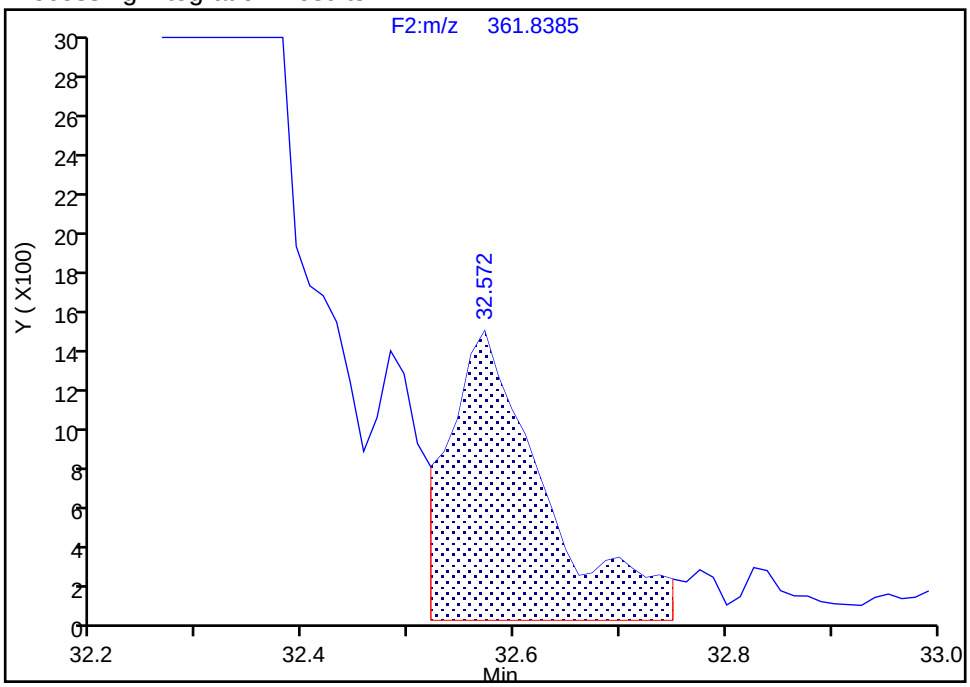
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 3

Processing Integration Results

RT: 32.58
Area: 12586
Amount: 0.513708
Amount Units: pg/ul




Manual Integration Results

RT: 32.58
Area: 18751
Amount: 0.765338
Amount Units: pg/ul
Reviewer: mcwhirterl, 14-Oct-2019 00:12:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

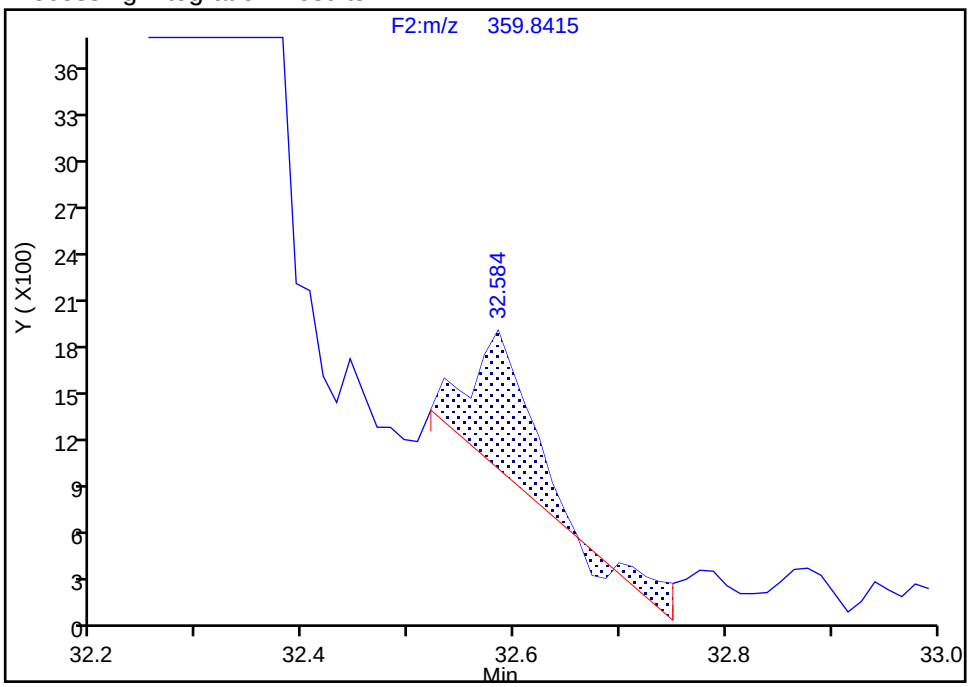
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

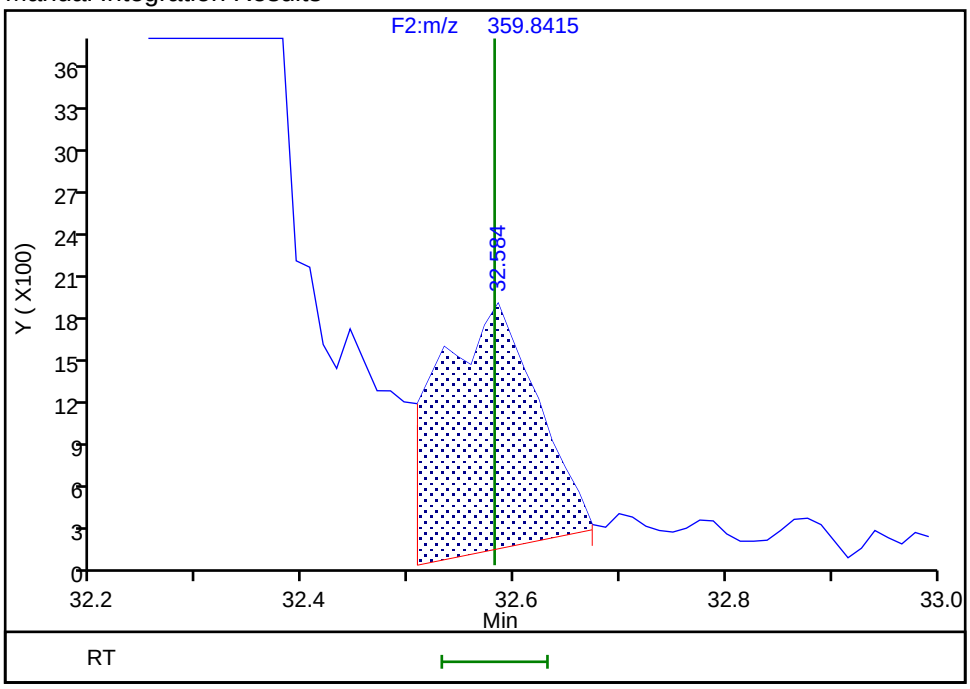
Processing Integration Results

RT: 32.58
Area: 3577
Amount: 0.513708
Amount Units: pg/ul




Manual Integration Results

RT: 32.58
Area: 11091
Amount: 0.765338
Amount Units: pg/ul



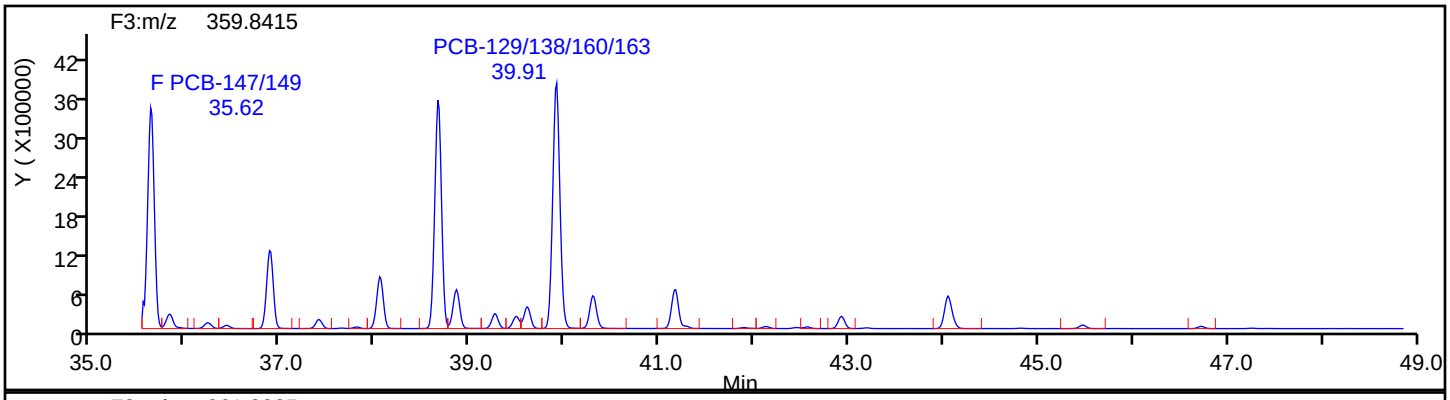

Reviewer: mcwhirterl, 14-Oct-2019 00:12:23

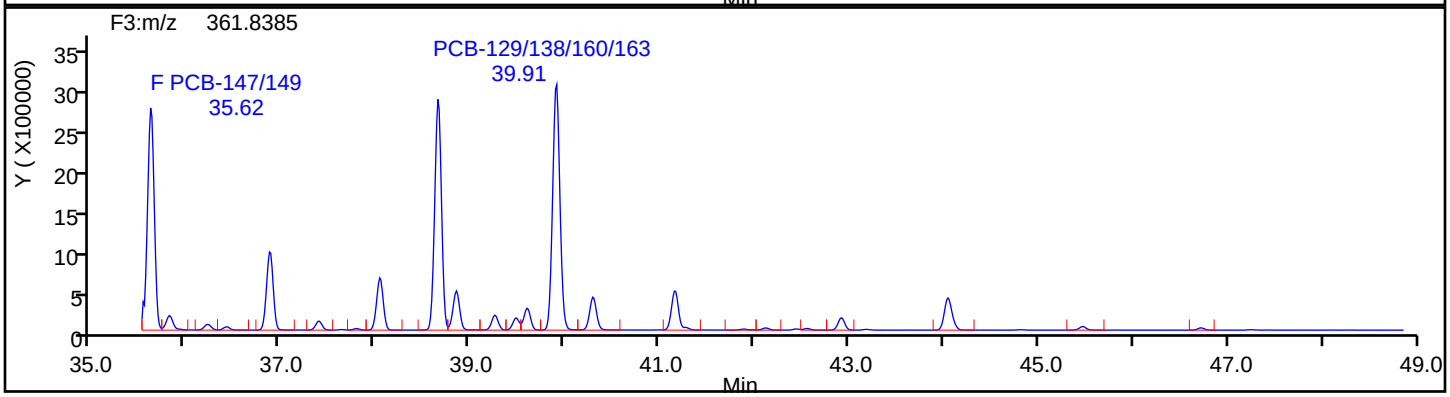
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

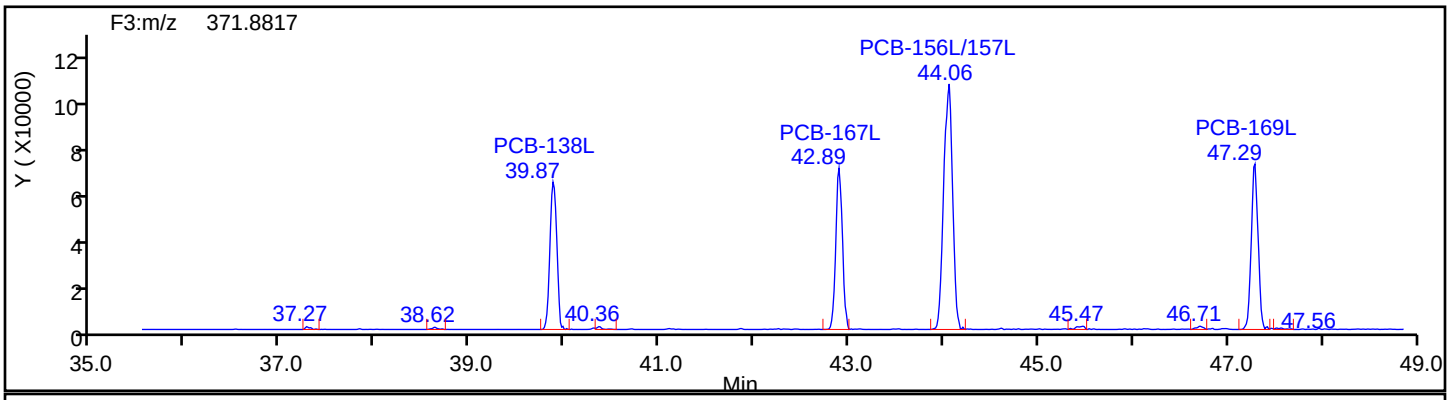
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

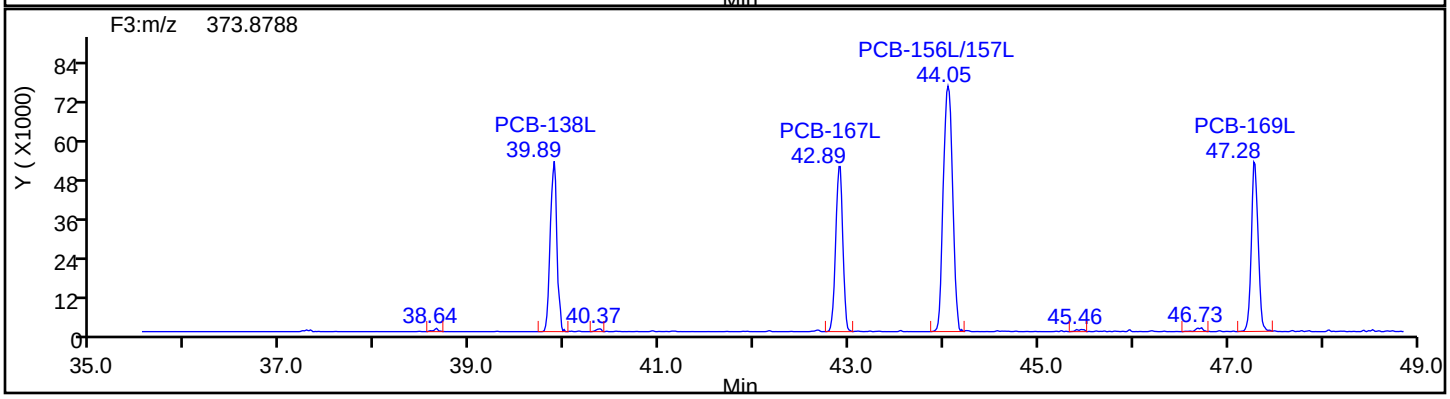
HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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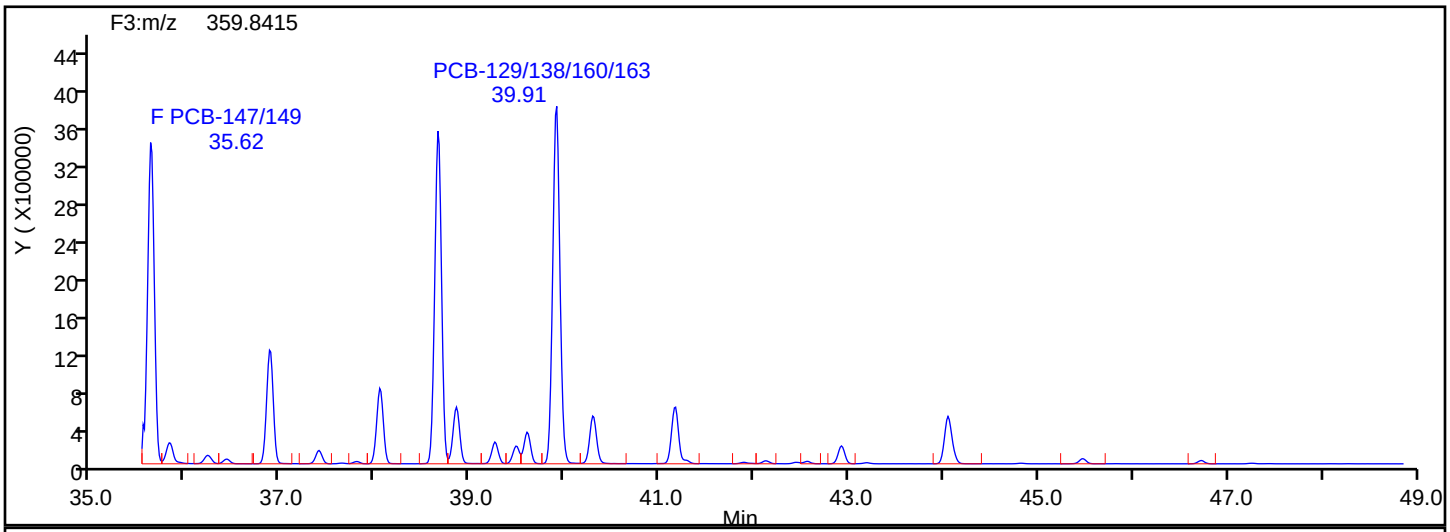
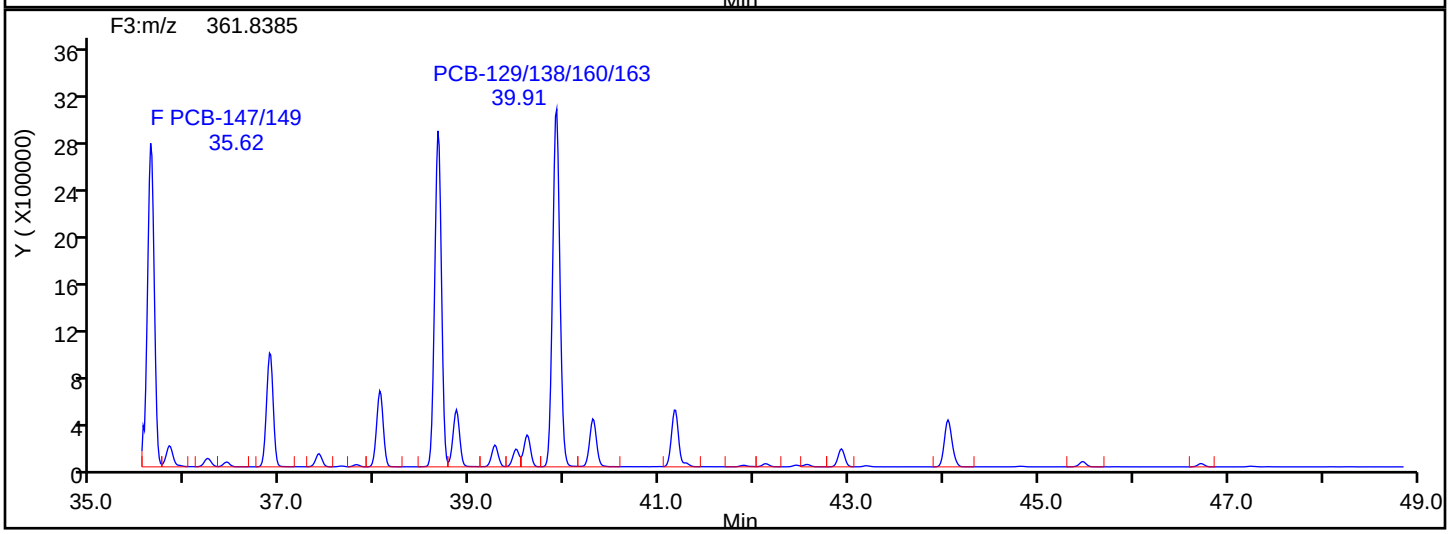
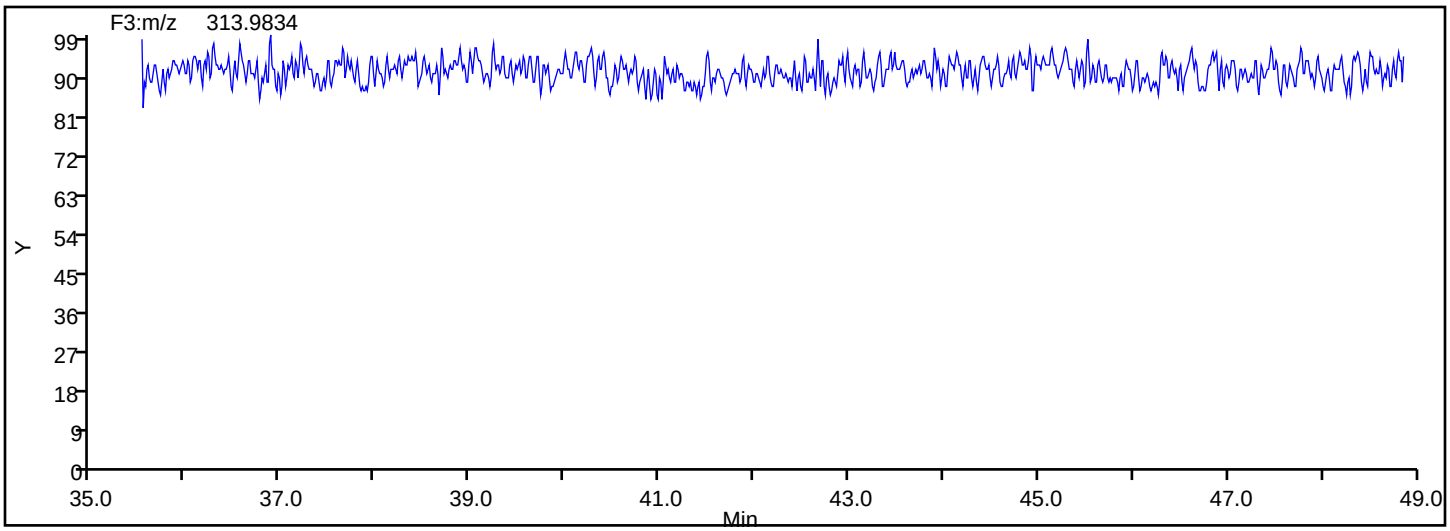
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

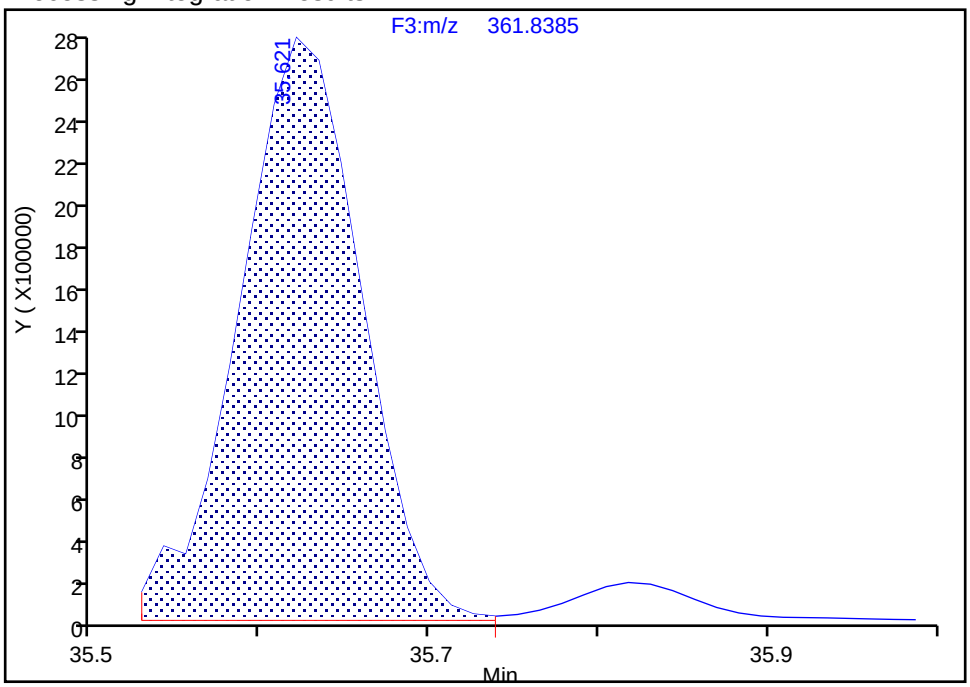
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 2

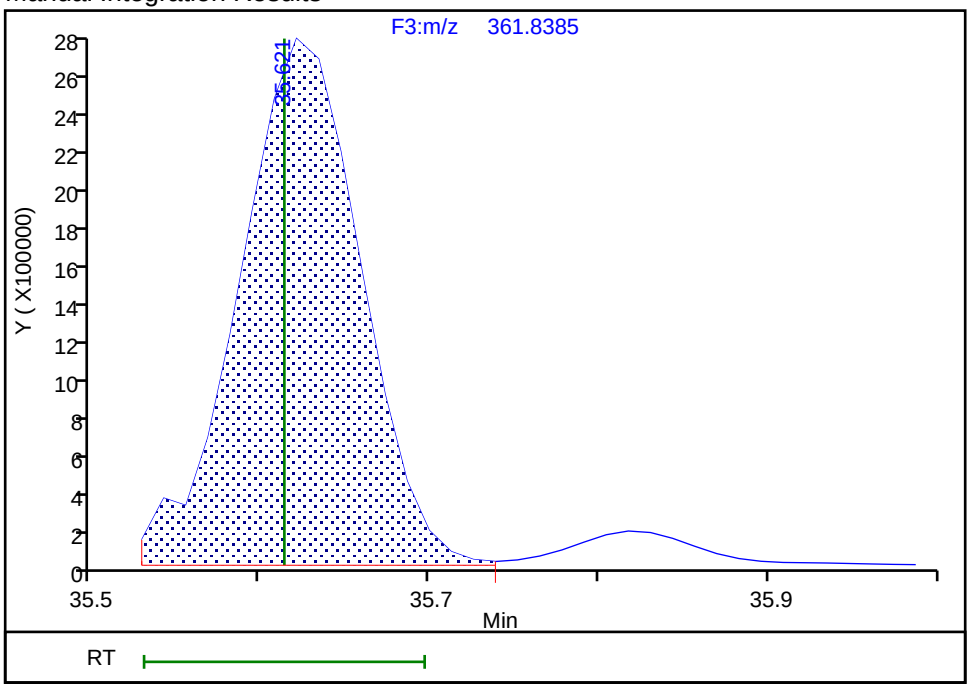
Processing Integration Results

RT: 35.62
Area: 13685677
Amount: 1026.6176
Amount Units: pg/ul




Manual Integration Results

RT: 35.62
Area: 13685677
Amount: 1044.8120
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:12:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

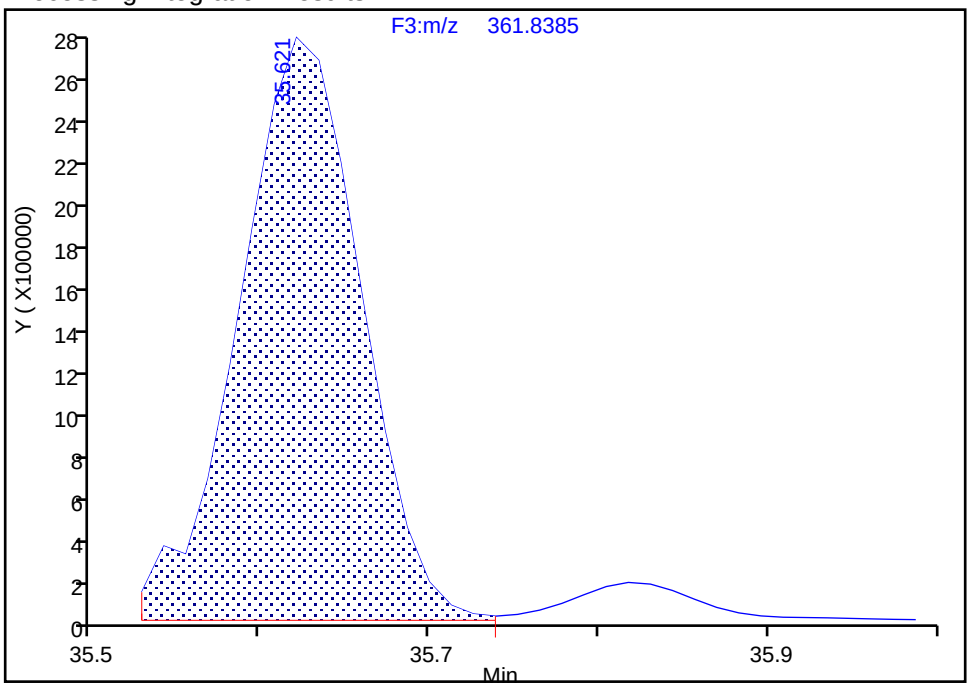
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 3

Processing Integration Results

RT: 35.62
Area: 30145731
Amount: 1026.6176
Amount Units: pg/ul




Manual Integration Results

RT: 35.62
Area: 30679995
Amount: 1044.8120
Amount Units: pg/ul
Reviewer: mcwhirterl, 14-Oct-2019 00:12:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

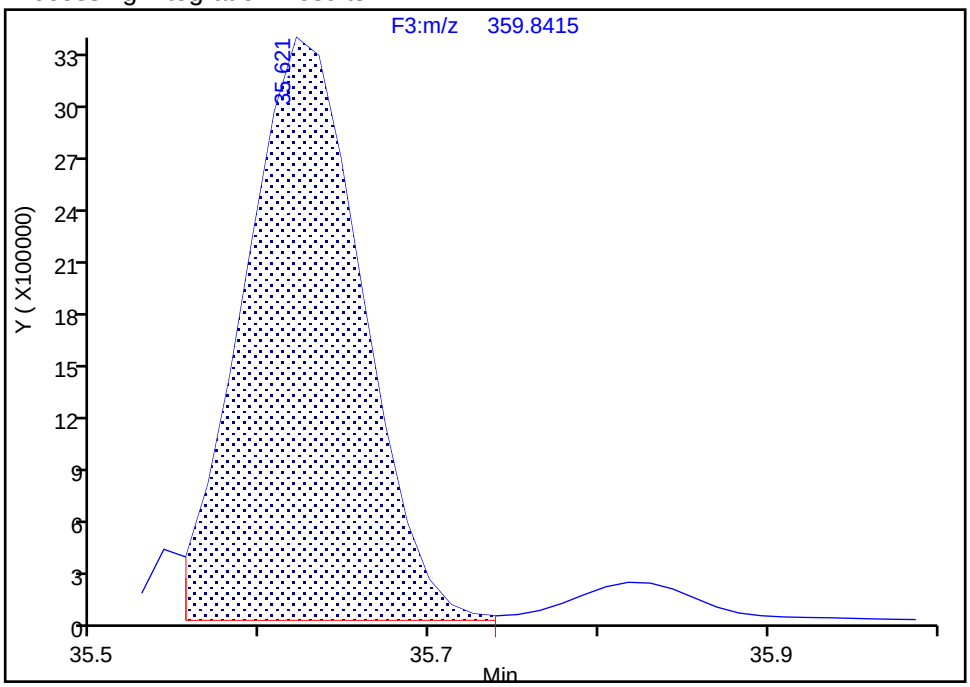
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 1

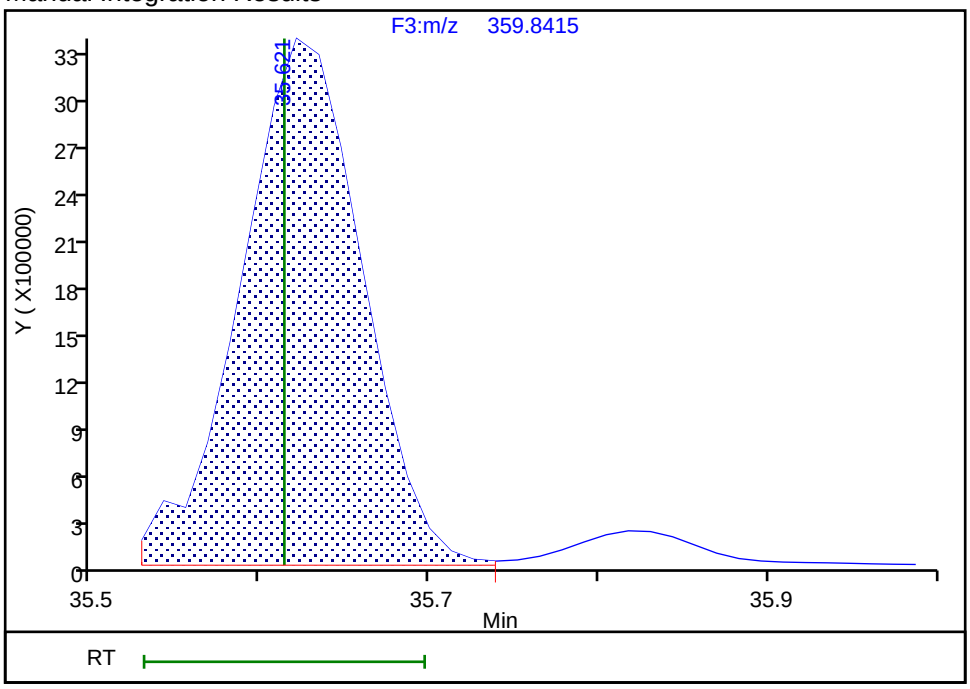
Processing Integration Results

RT: 35.62
Area: 16460054
Amount: 1026.6176
Amount Units: pg/ul




Manual Integration Results

RT: 35.62
Area: 16994318
Amount: 1044.8120
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:12:53

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

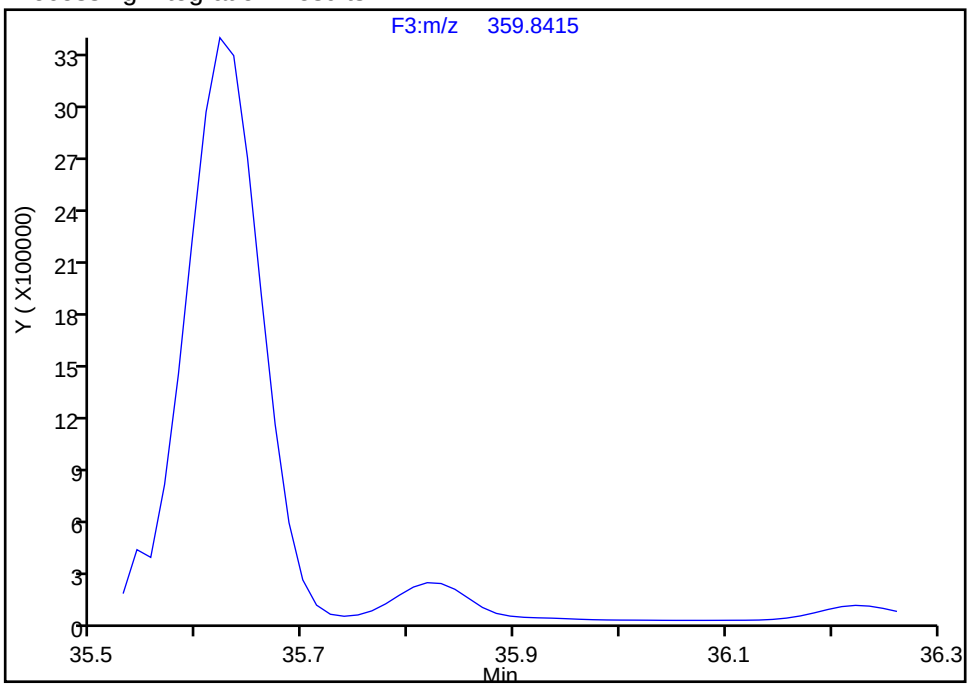
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

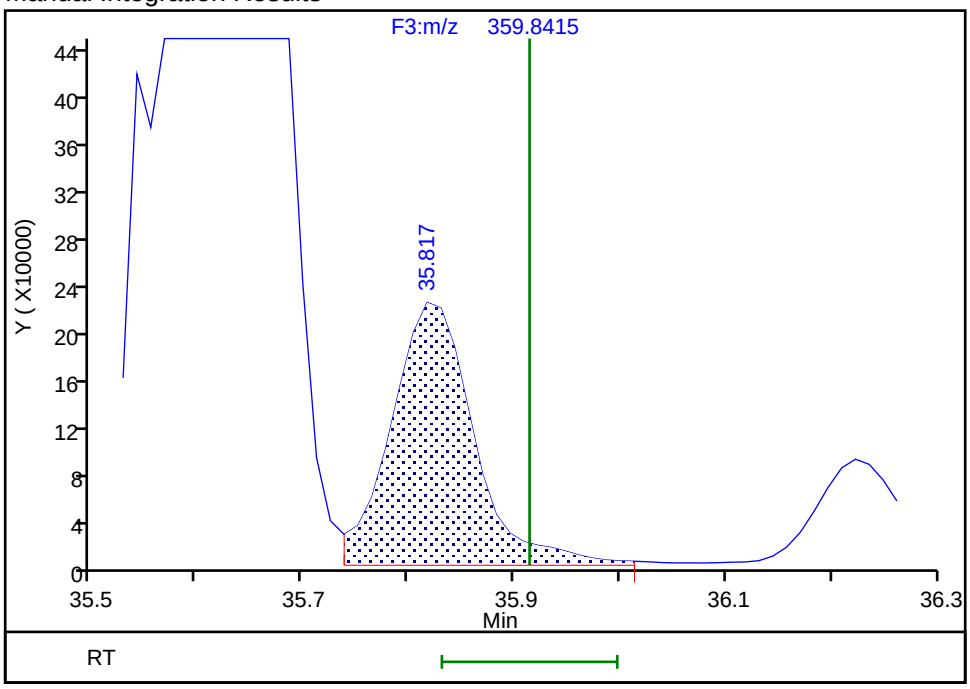
Not Detected
Expected RT: 35.91

Processing Integration Results




Manual Integration Results

RT: 35.82
Area: 1203796
Amount: 83.893426
Amount Units: pg/ul

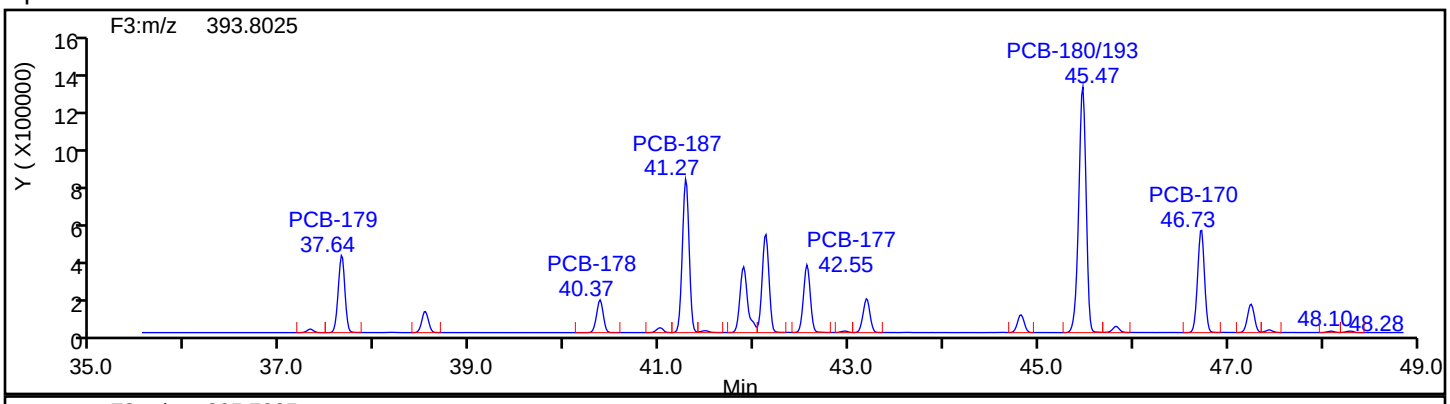


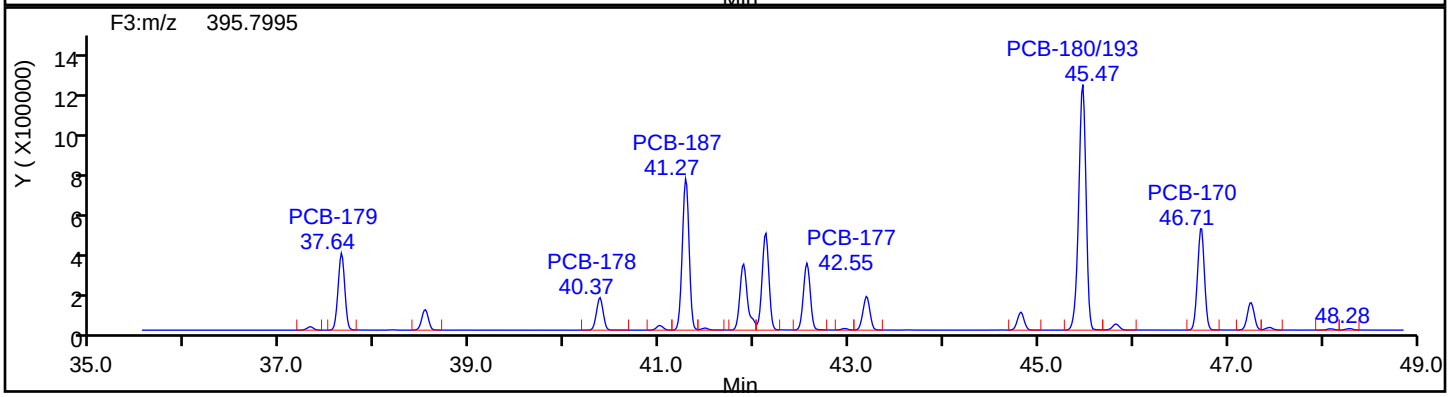

Reviewer: mcwhirterl, 14-Oct-2019 00:12:33
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

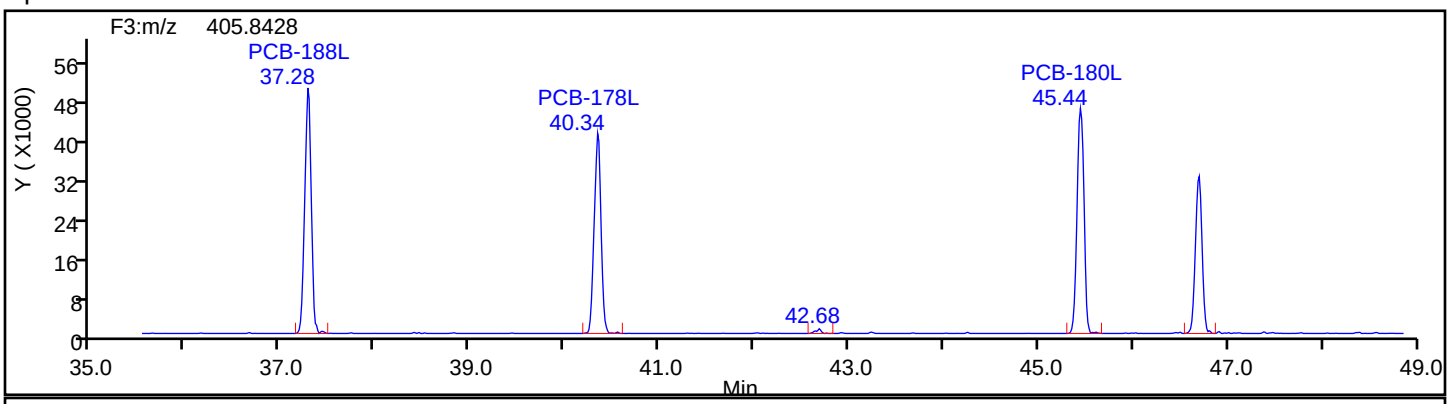
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

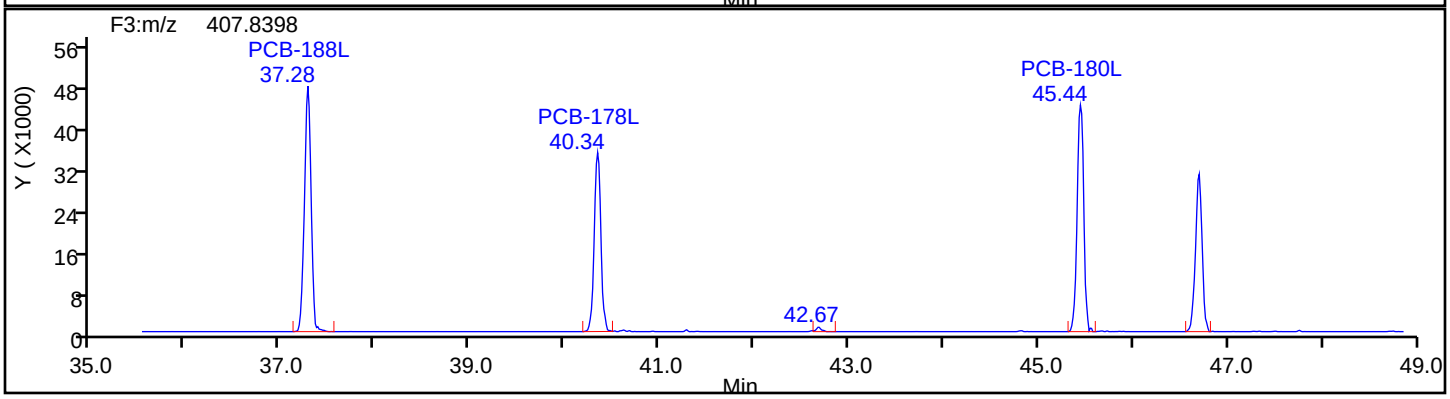
HpPCB F3




HpPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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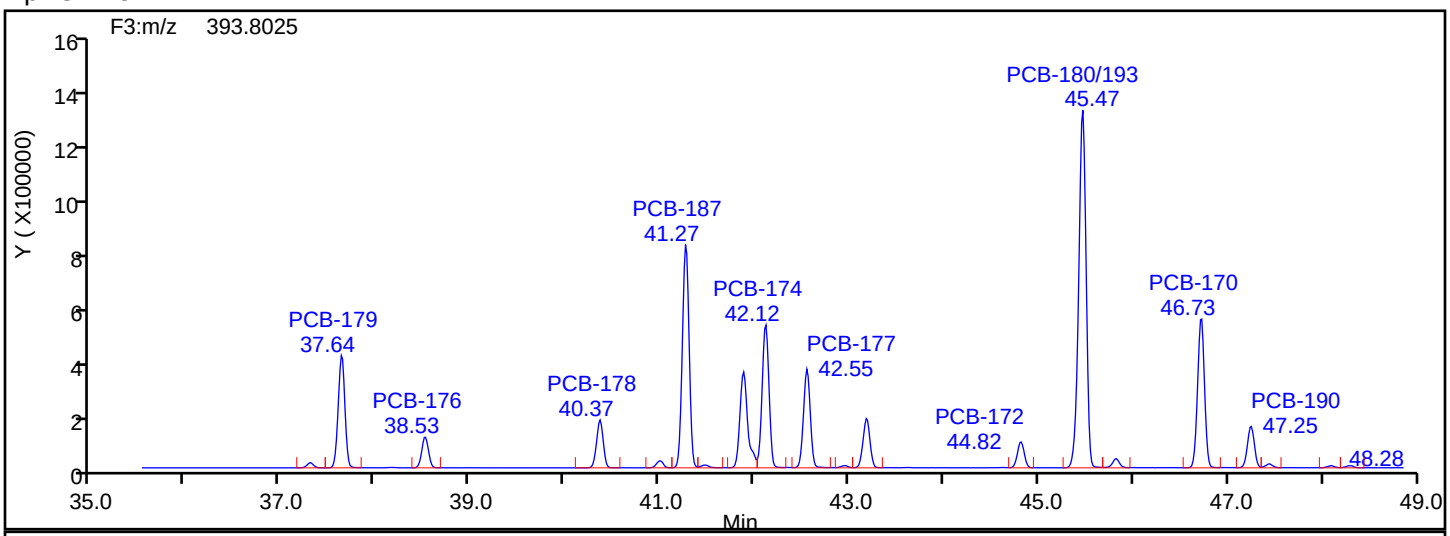
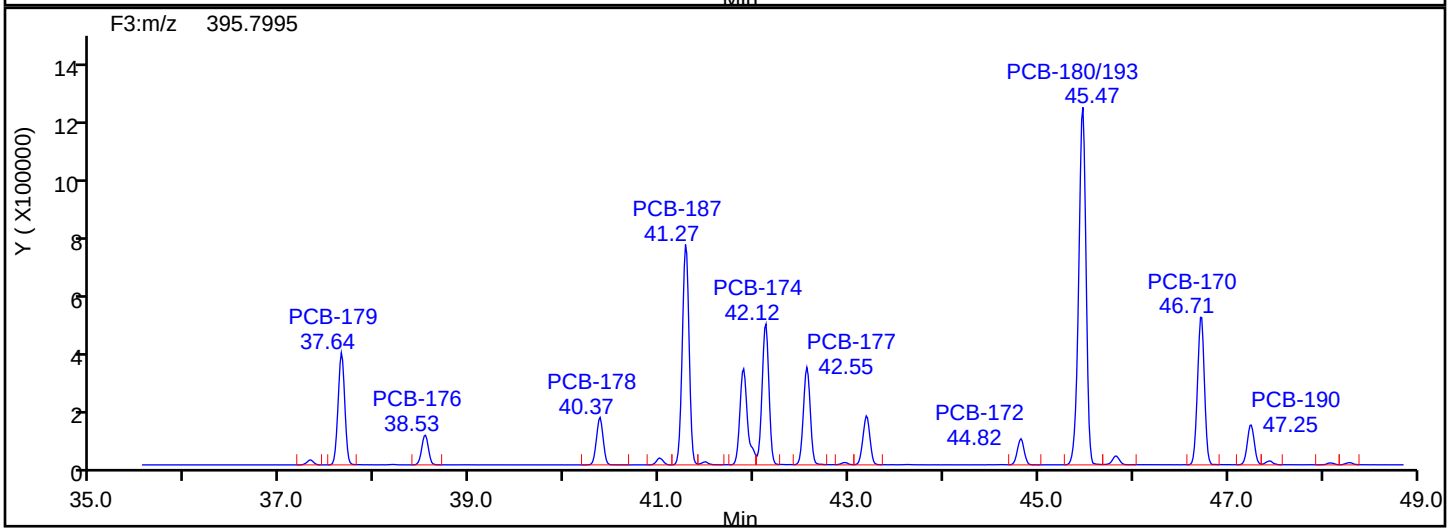
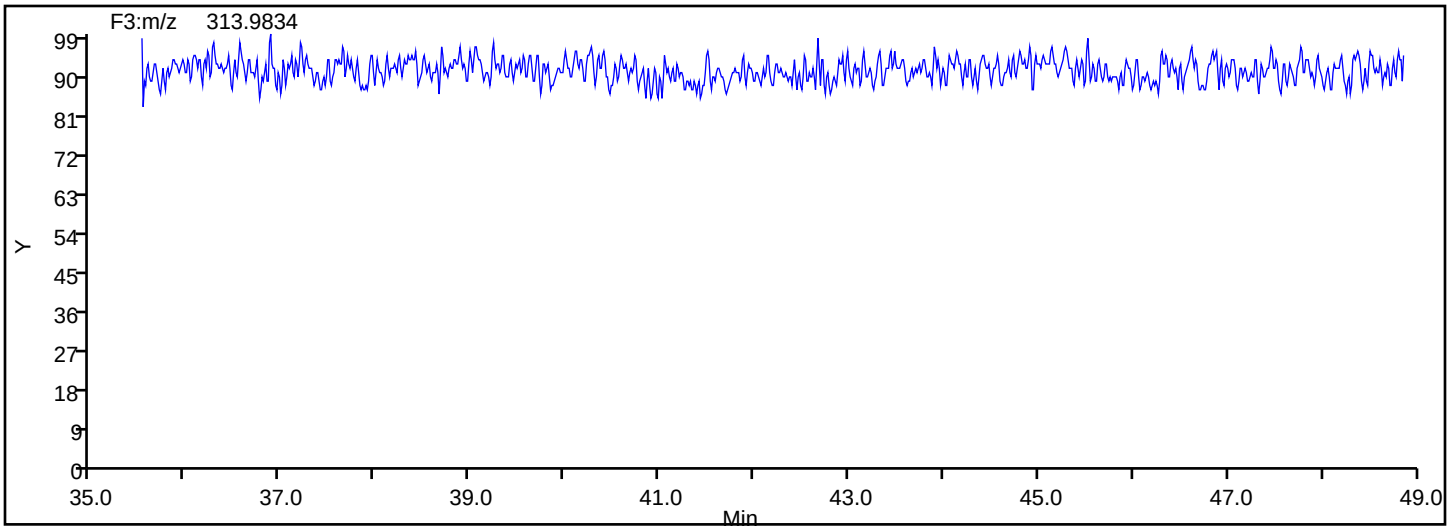
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

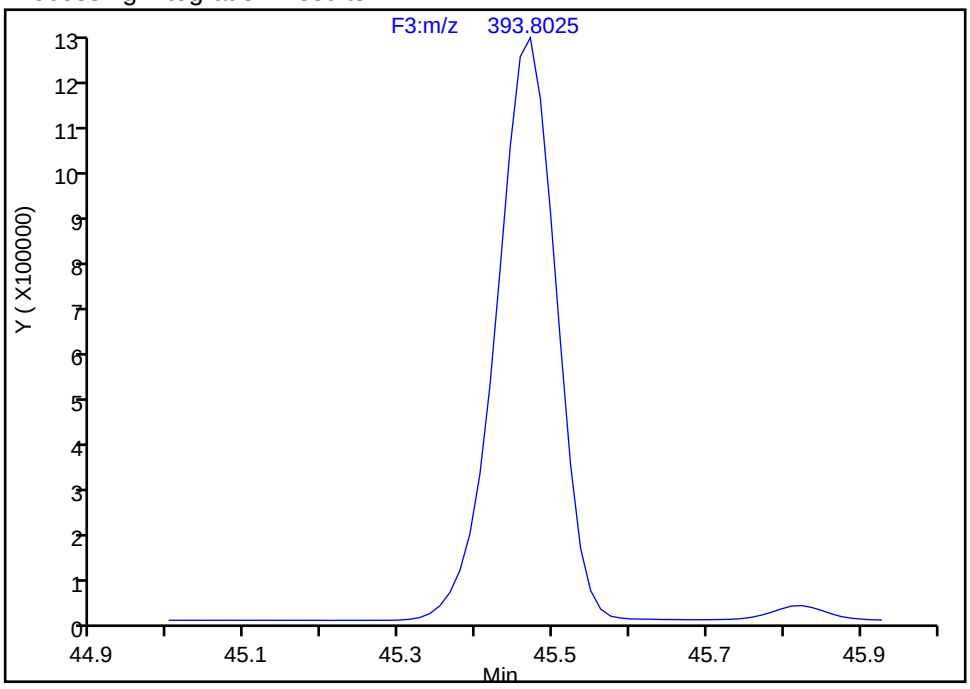
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-35-F | Lab Sample ID: | 140-88908-35 | | |
| Client ID: | J5-SC1b-00to10-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

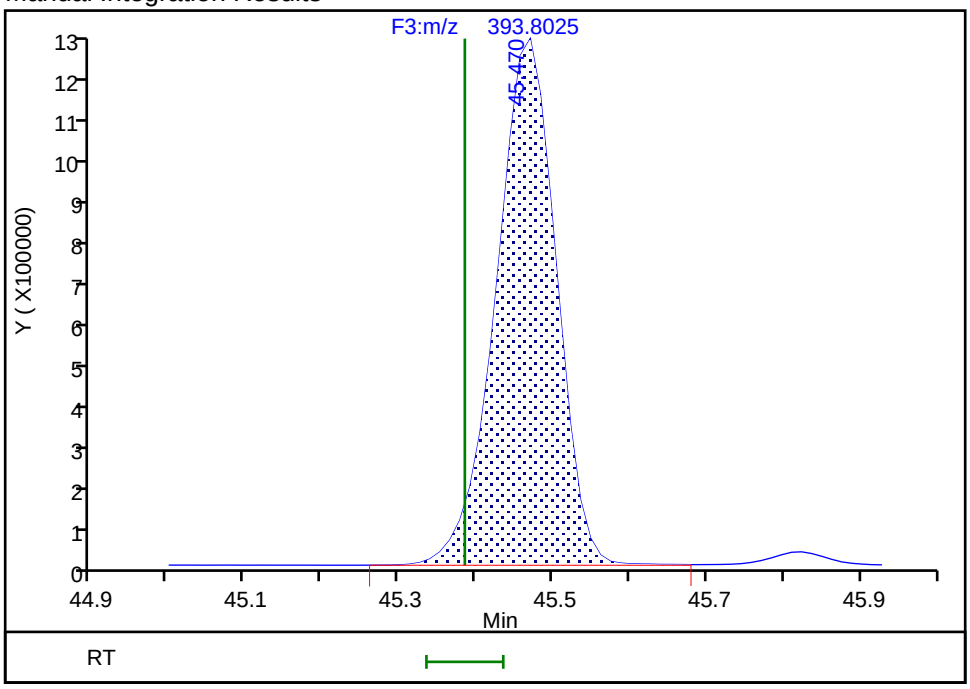
Not Detected
Expected RT: 45.39

Processing Integration Results




Manual Integration Results

RT: 45.47
Area: 6838693
Amount: 549.0824
Amount Units: pg/ul




Reviewer: mcwhirterl, 14-Oct-2019 00:13:33
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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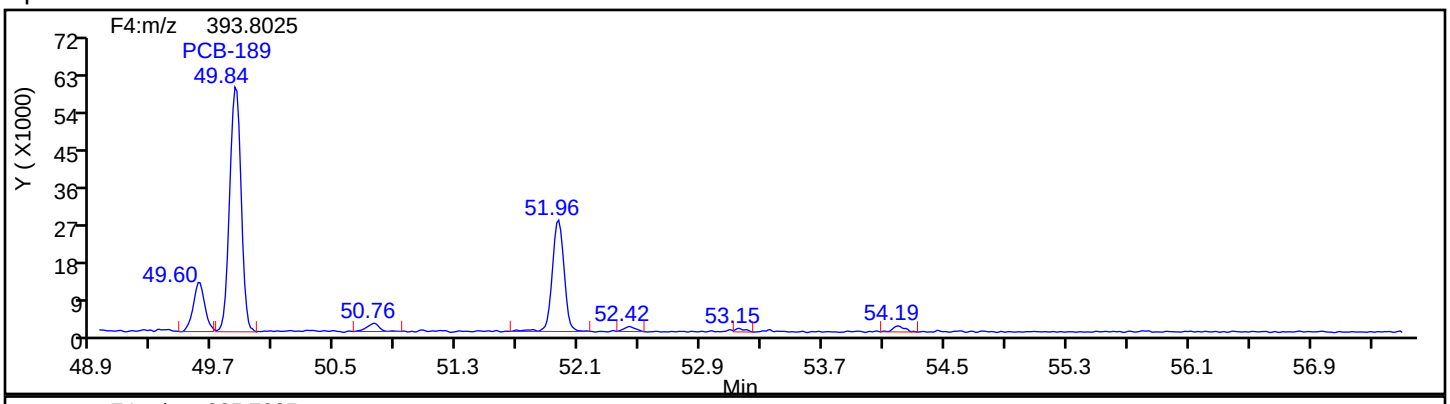
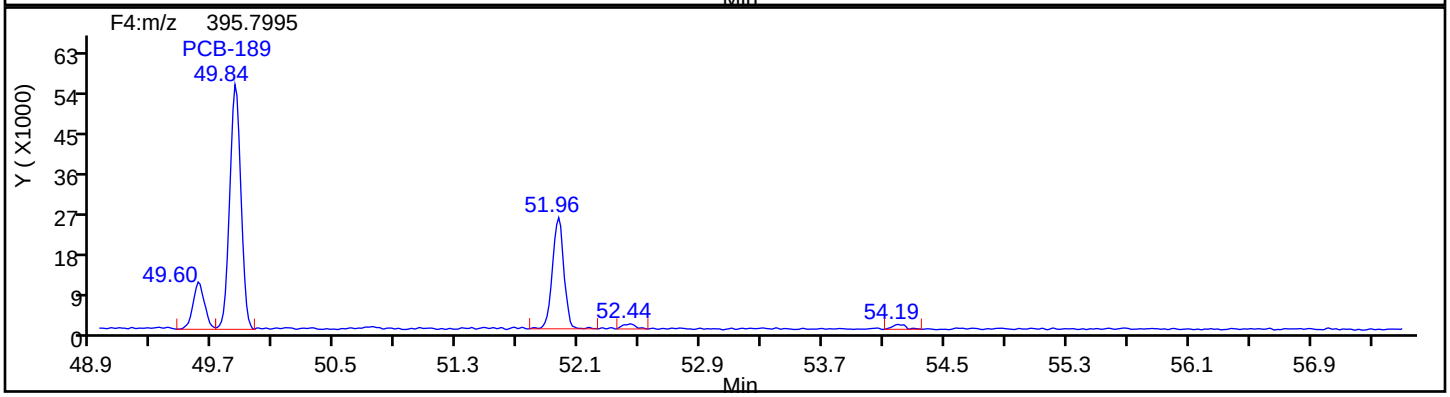
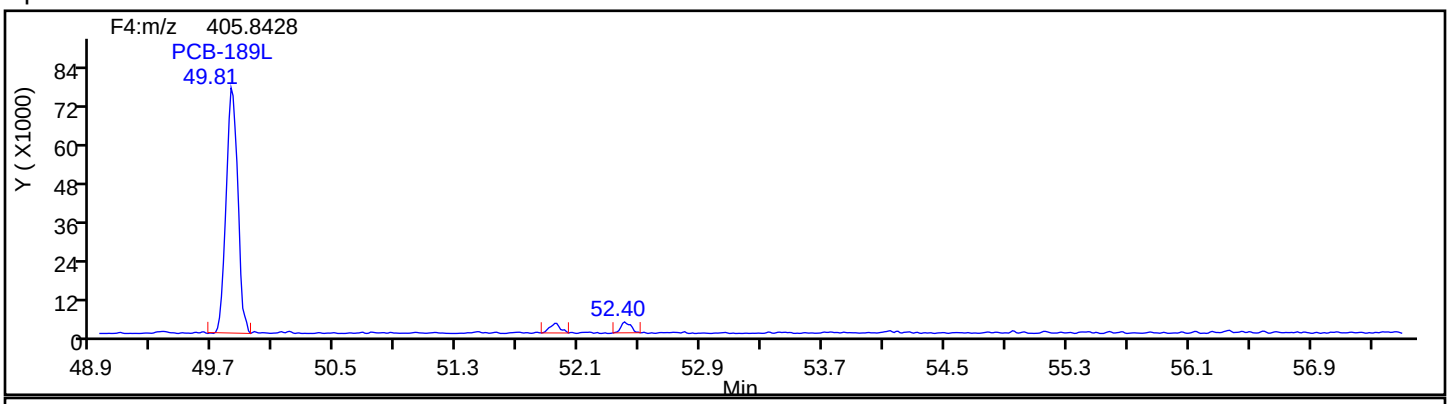
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

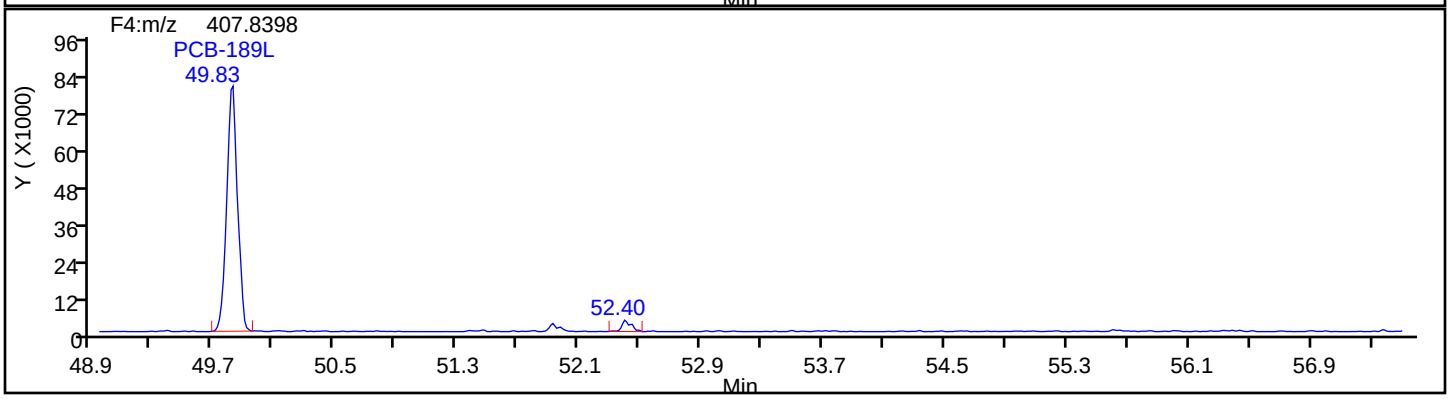
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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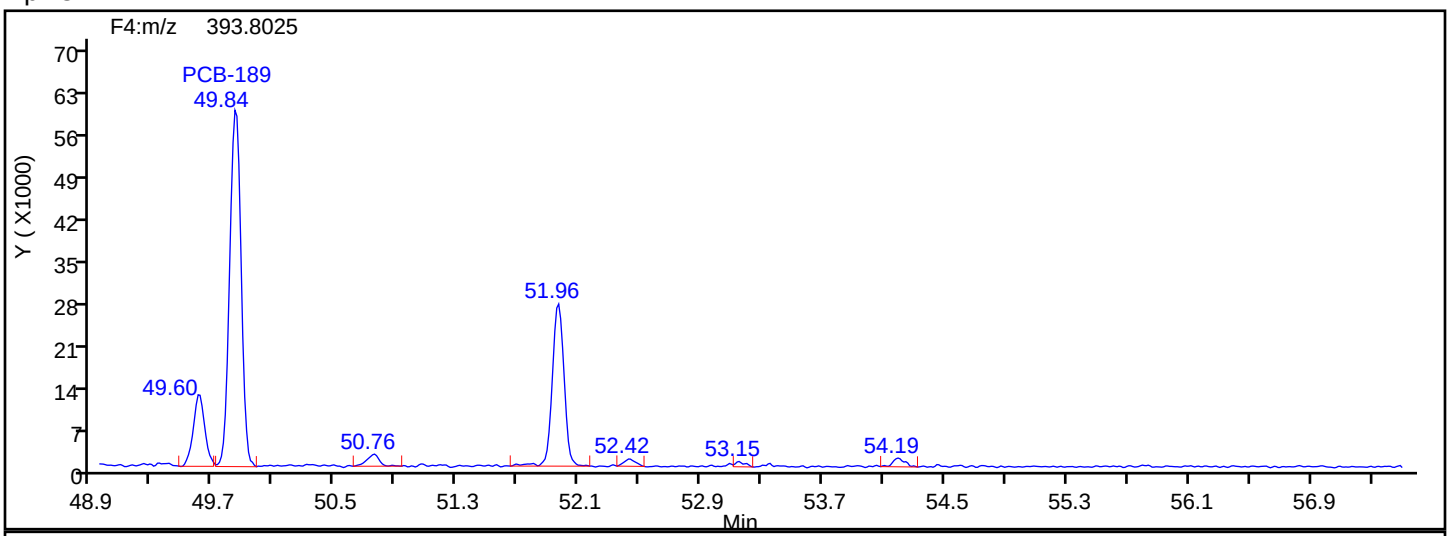
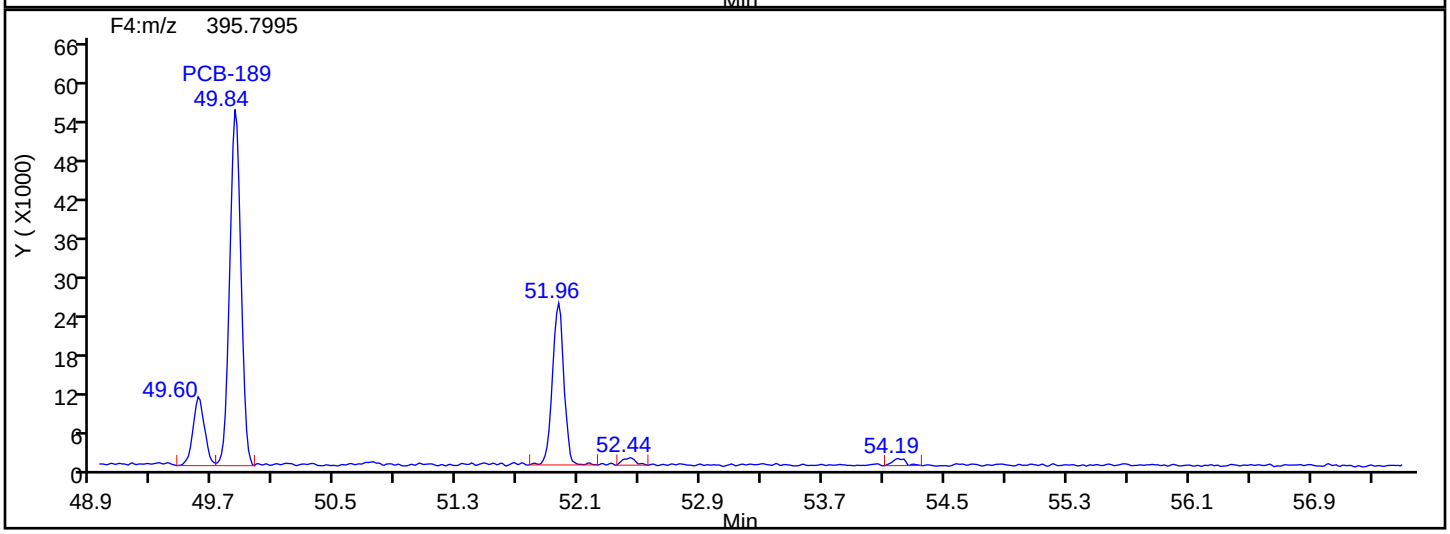
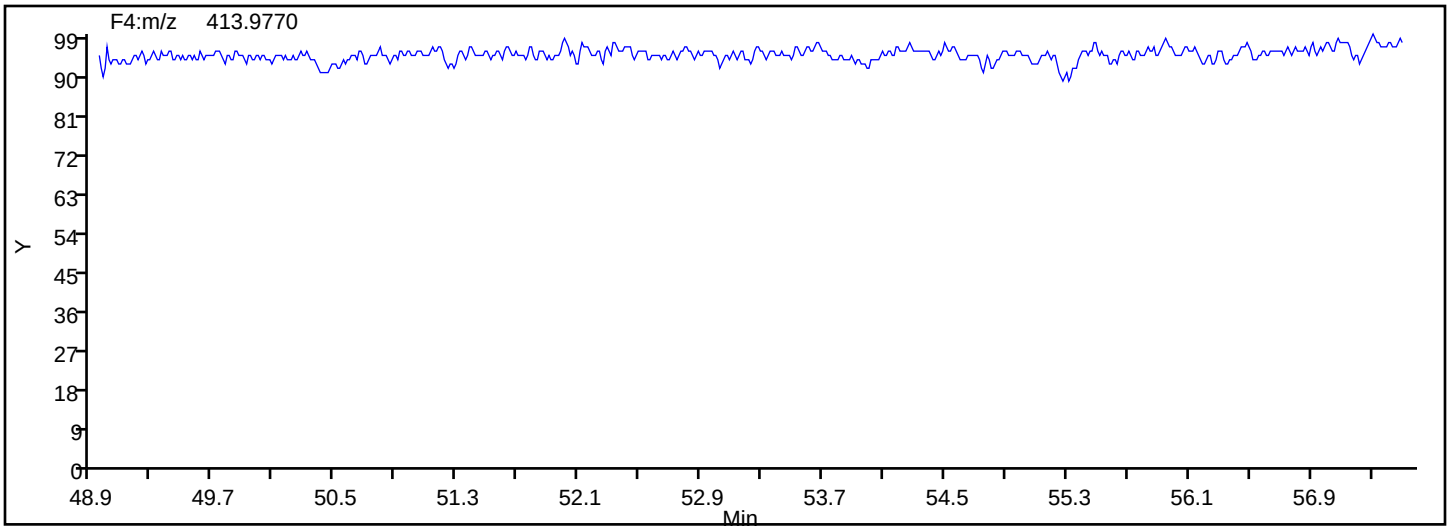
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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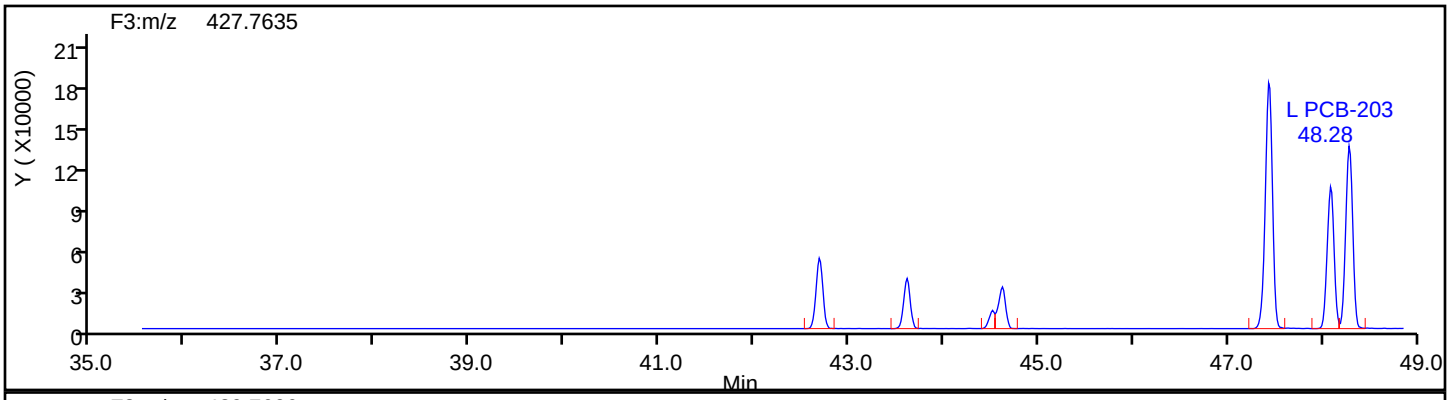
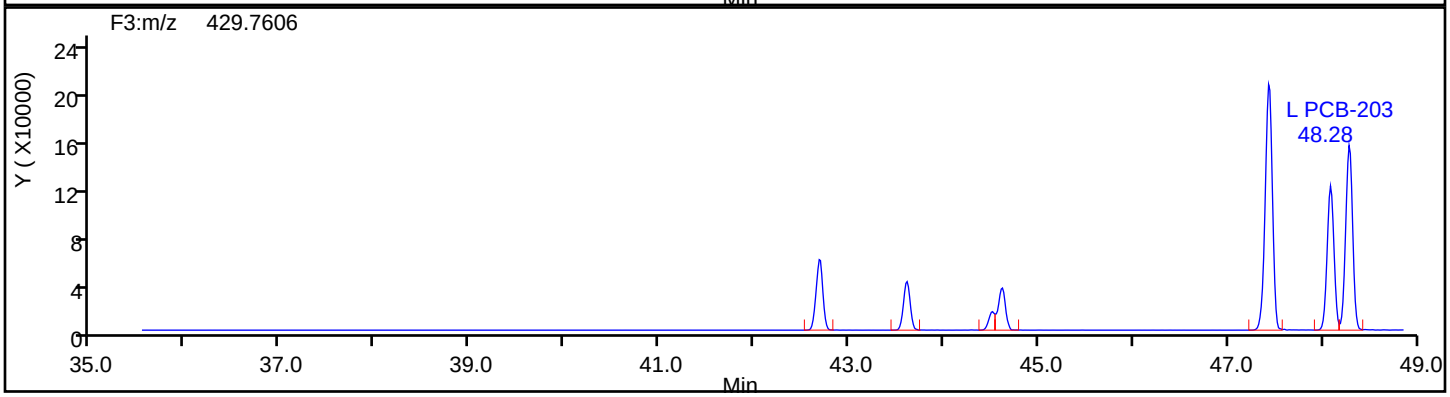
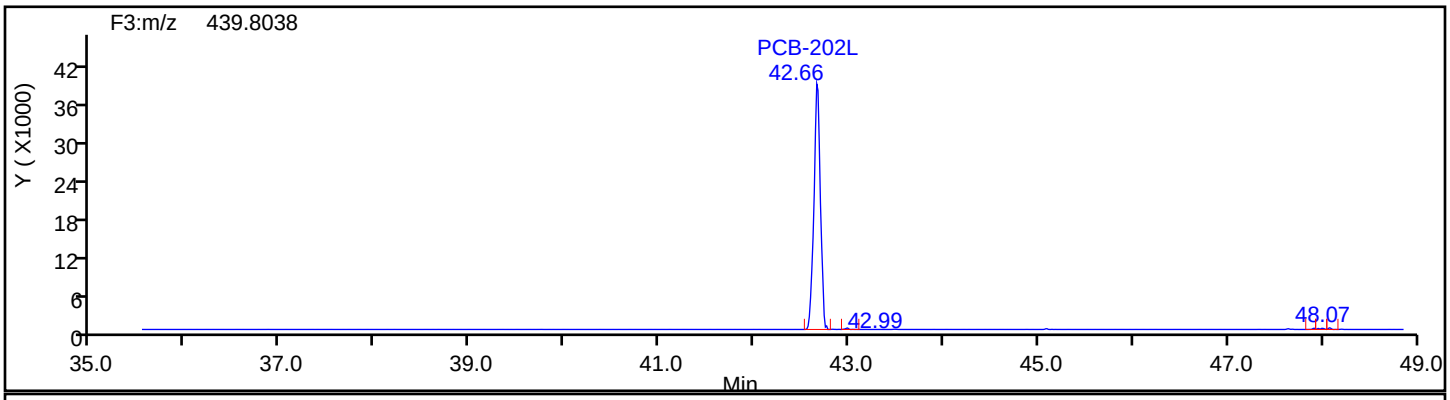
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

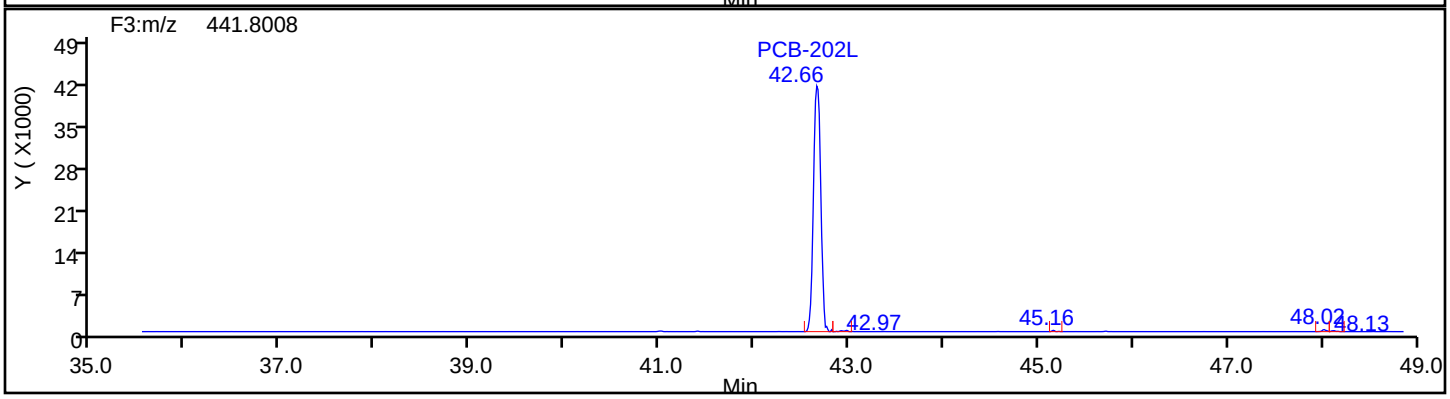
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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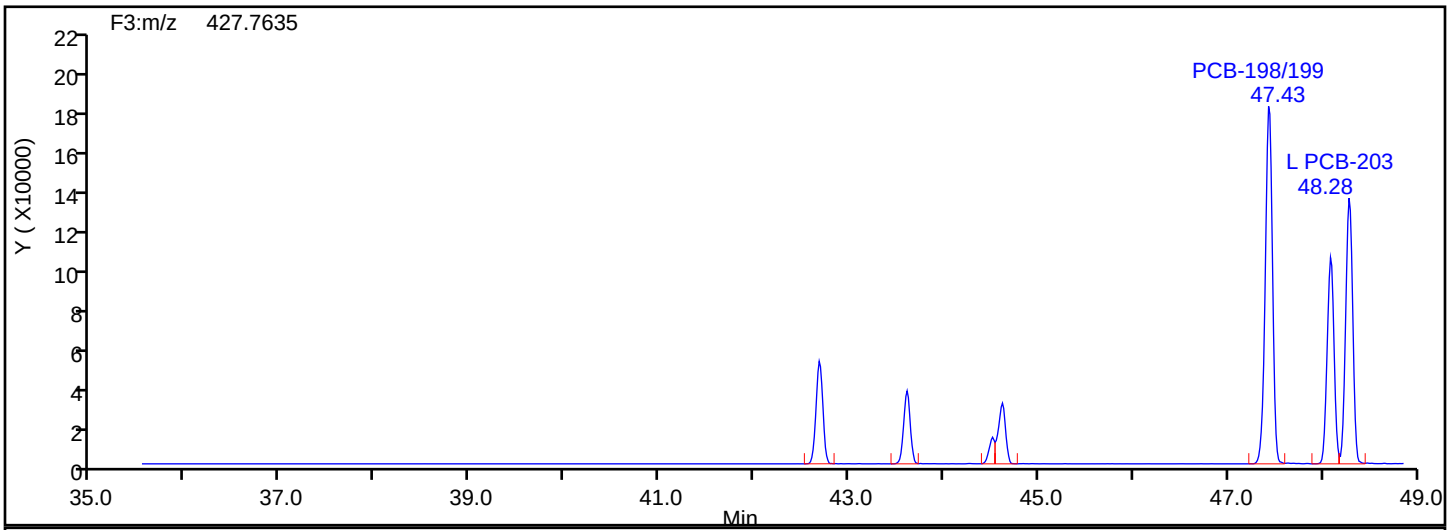
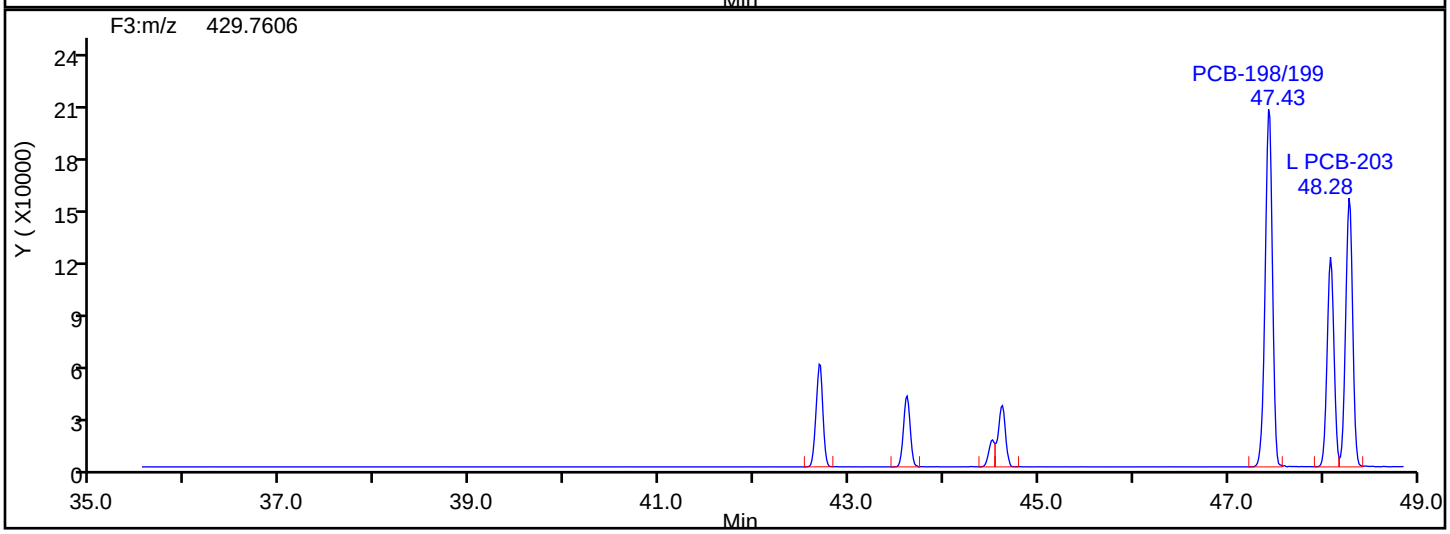
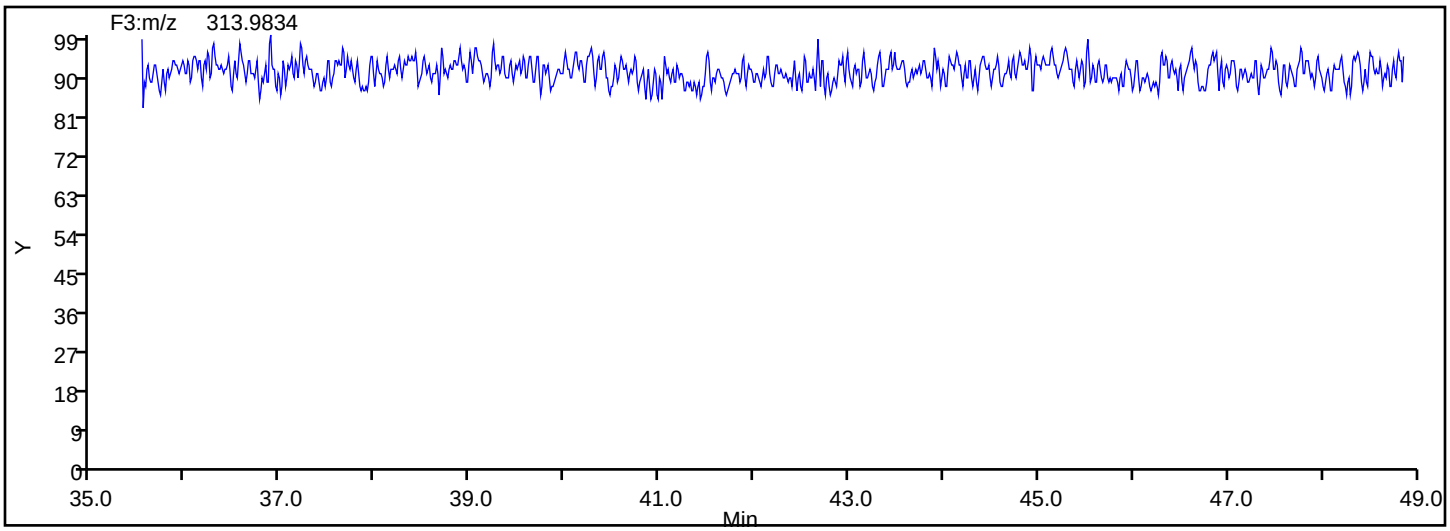
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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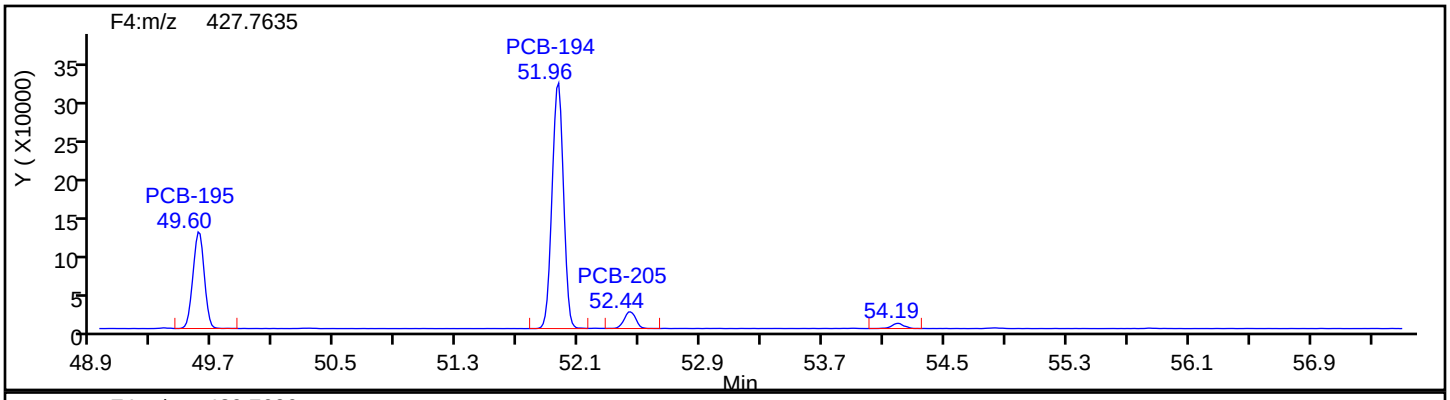
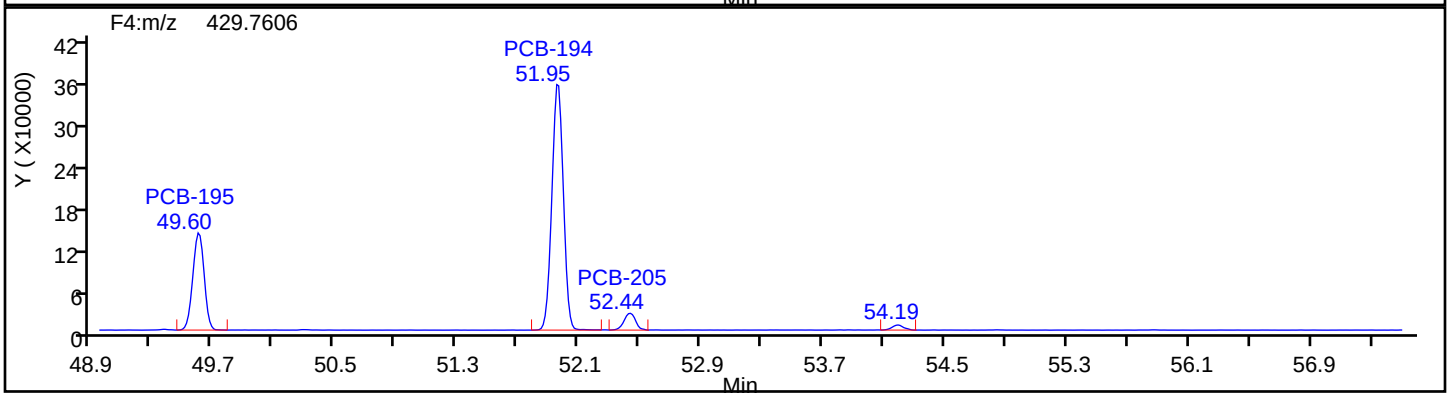
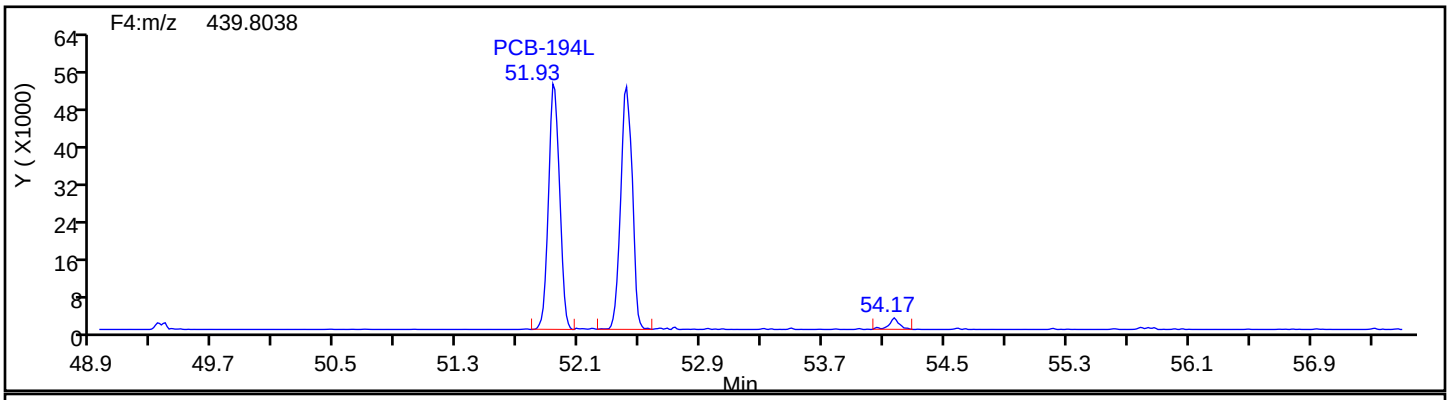
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

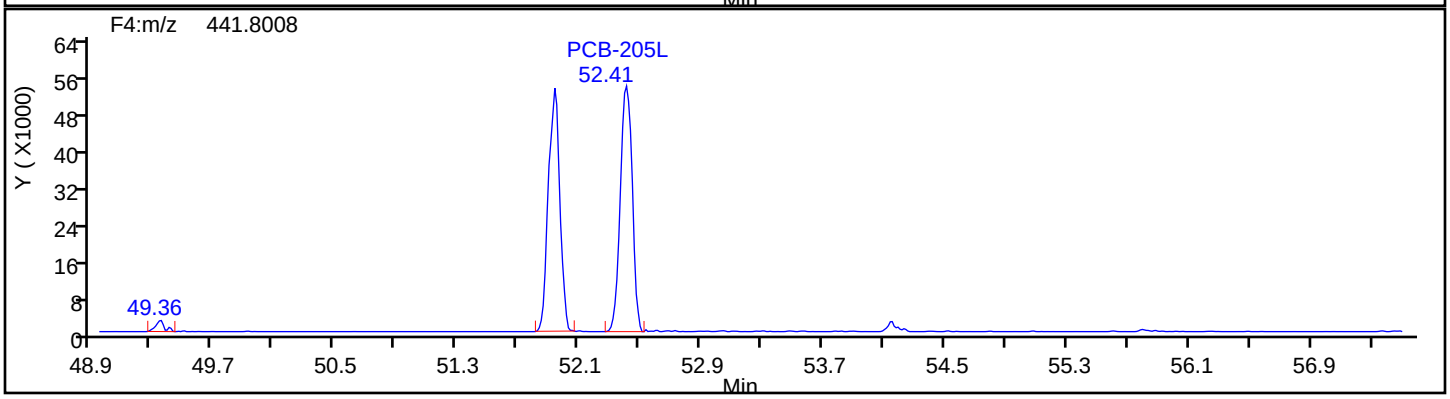
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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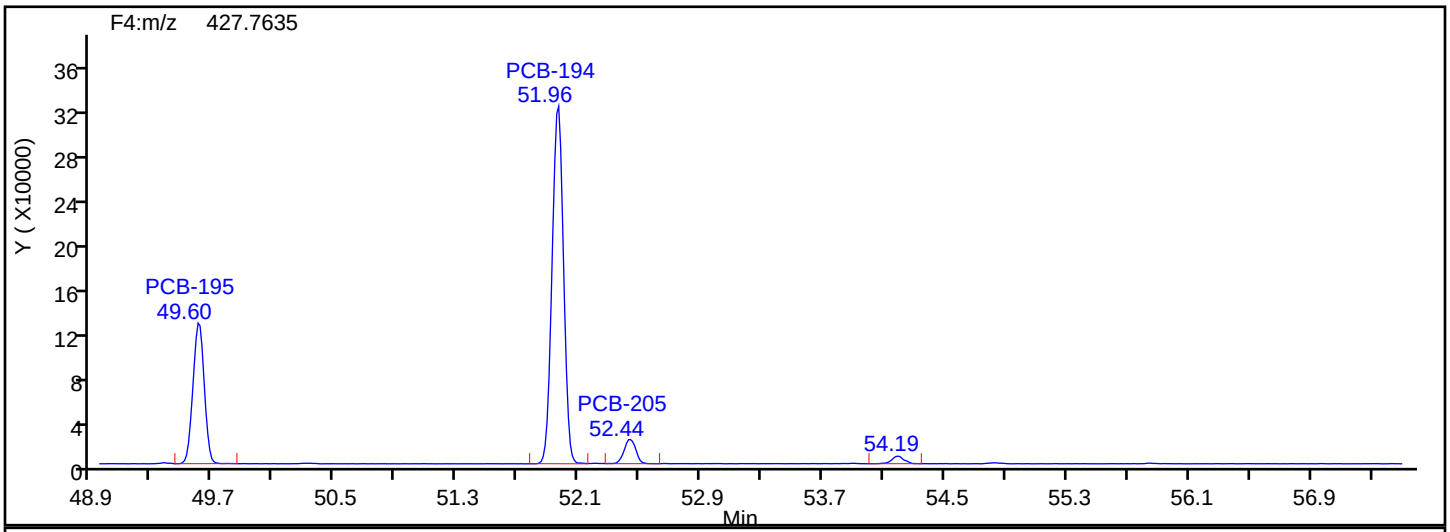
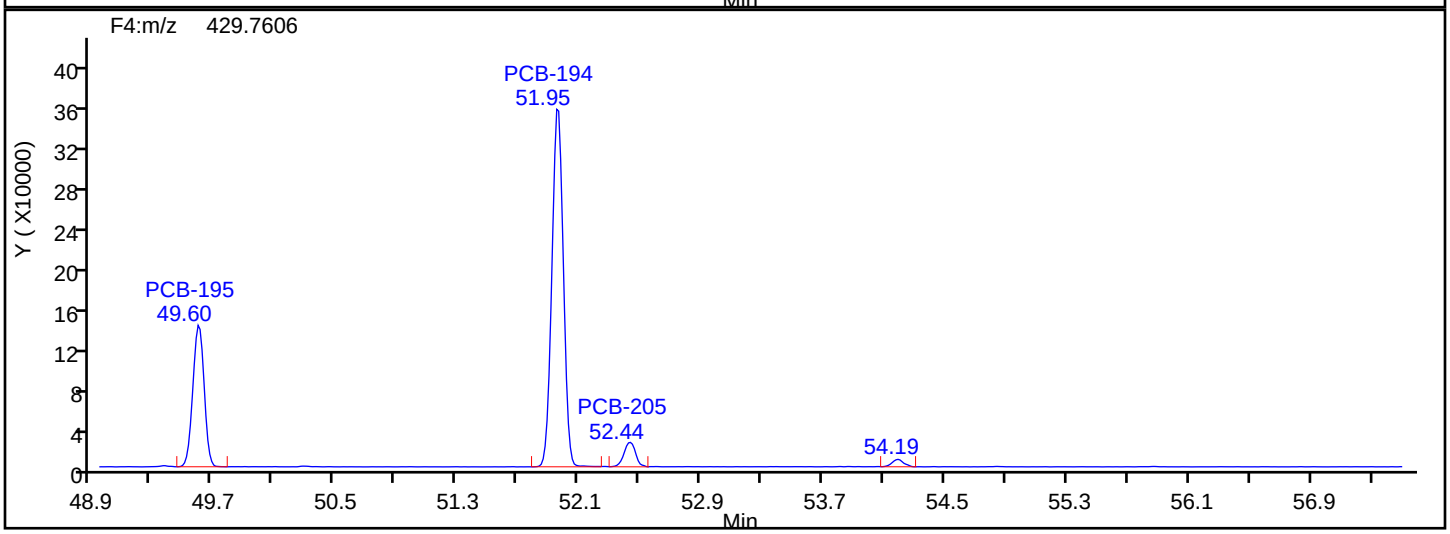
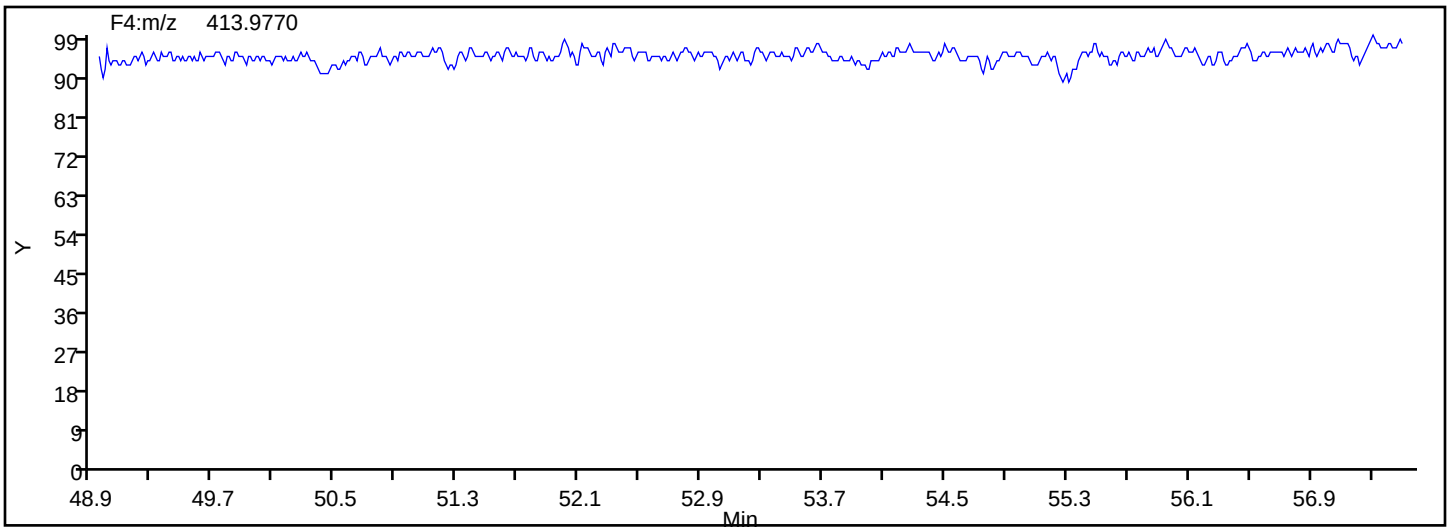
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



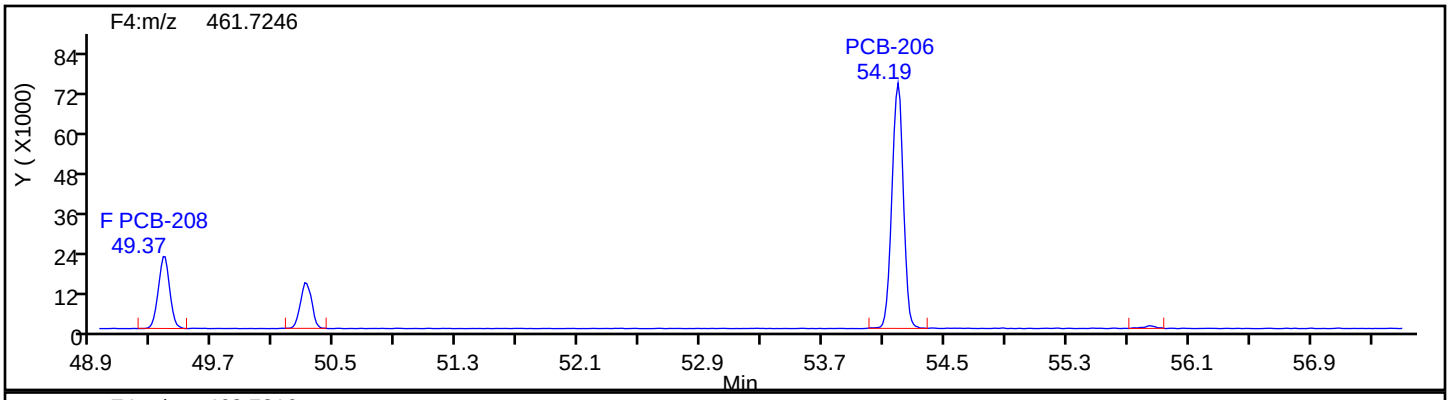

OcPCB F4 Lock Mass

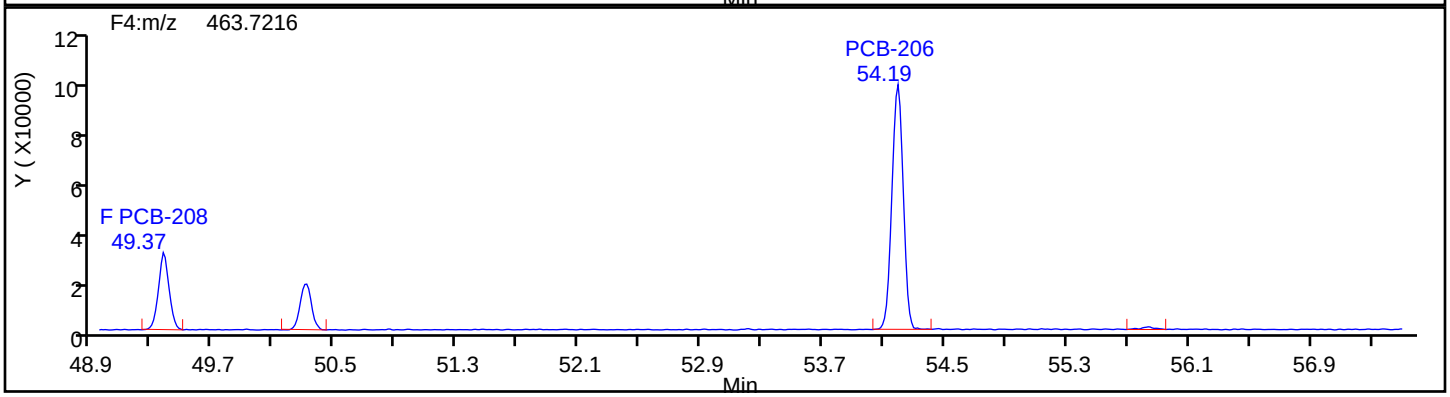


Eurofins TestAmerica, Knoxville

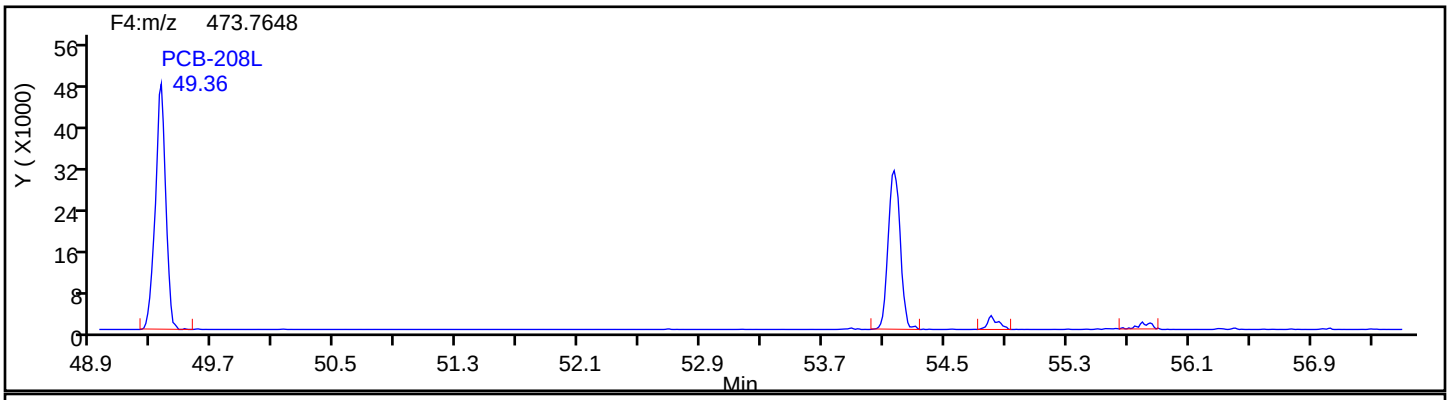
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

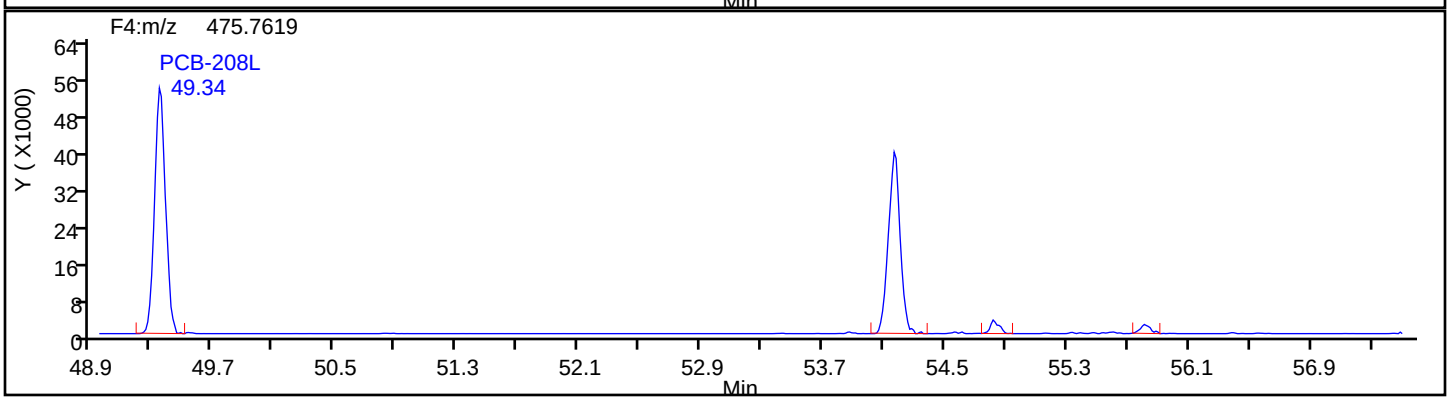
NoPCB F4




NoPCB F4 Standards

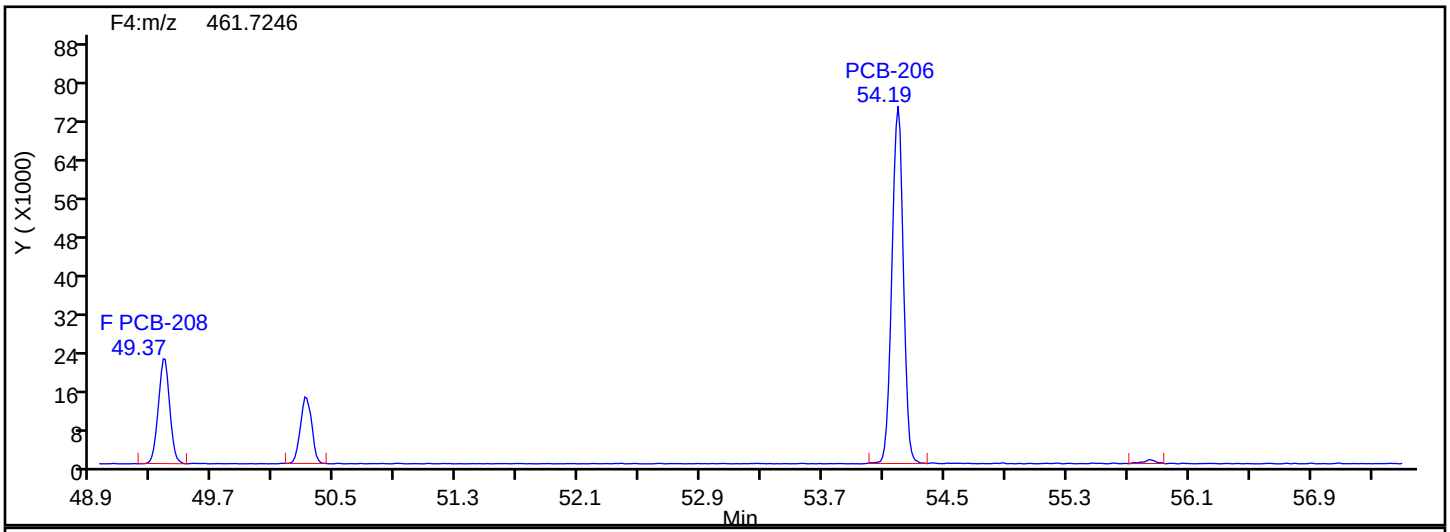


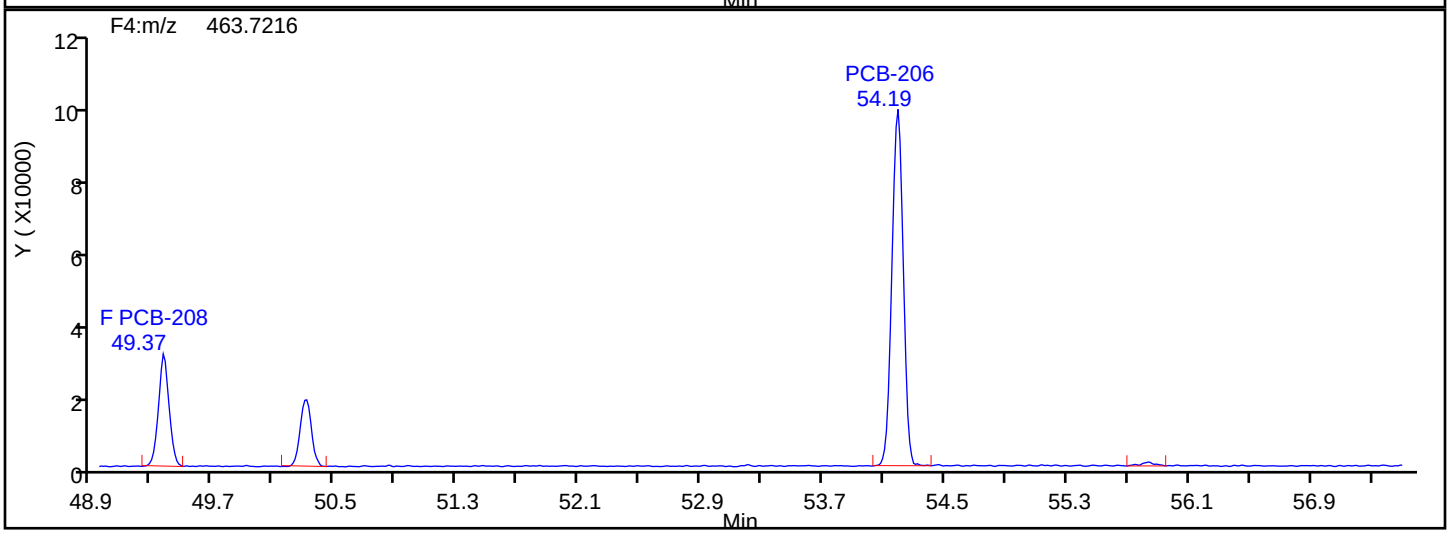



Eurofins TestAmerica, Knoxville

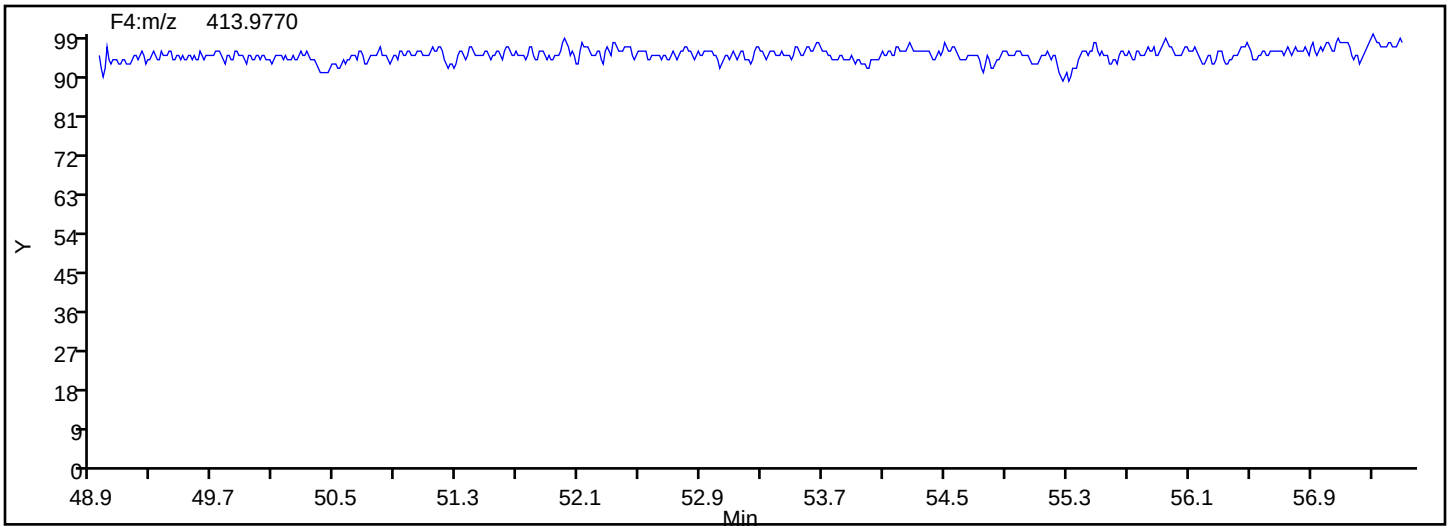
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\580-88908-a-35-fa_191011160059.d | | |
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Report Date: 14-Oct-2019 00:14:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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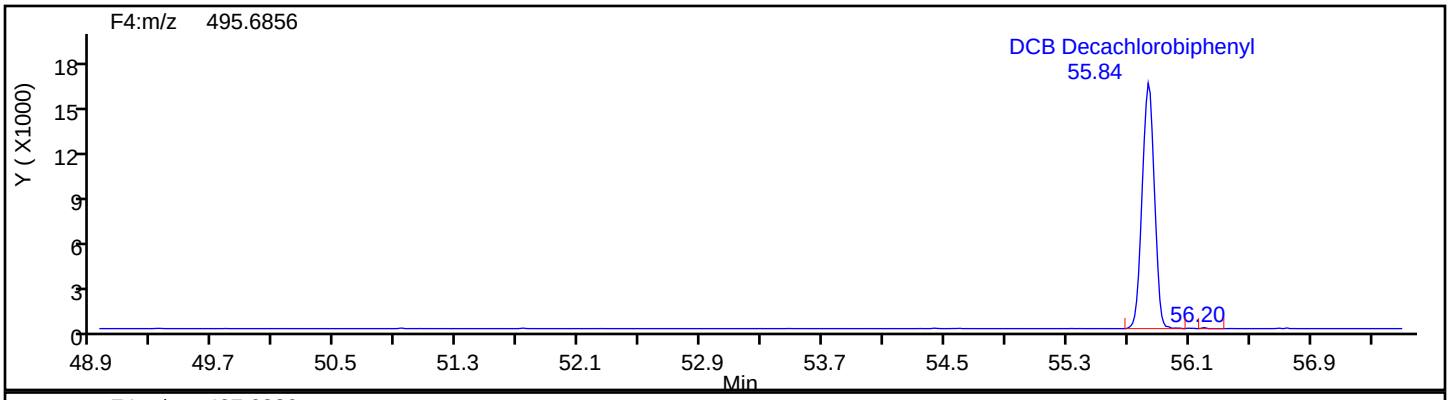
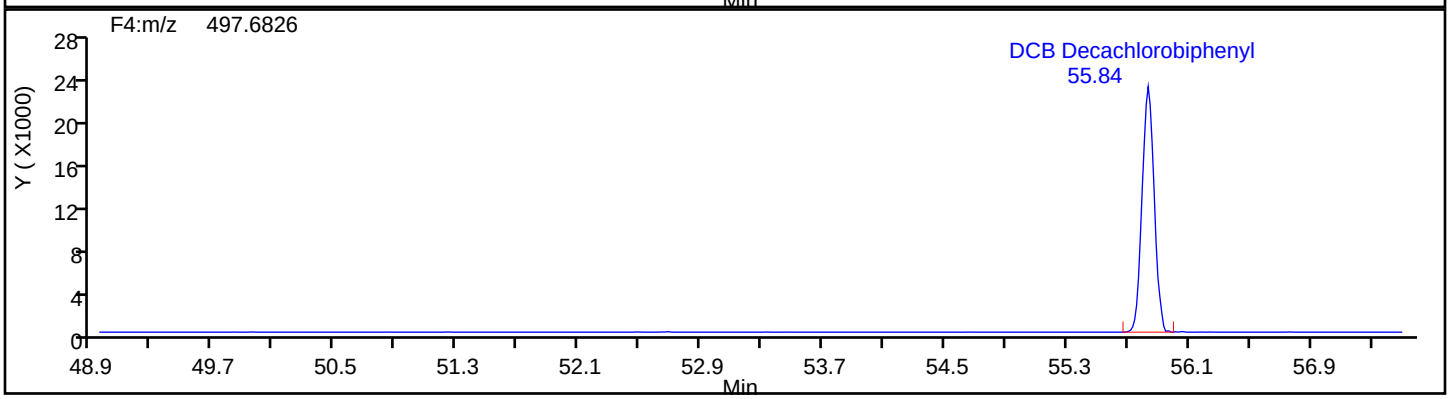
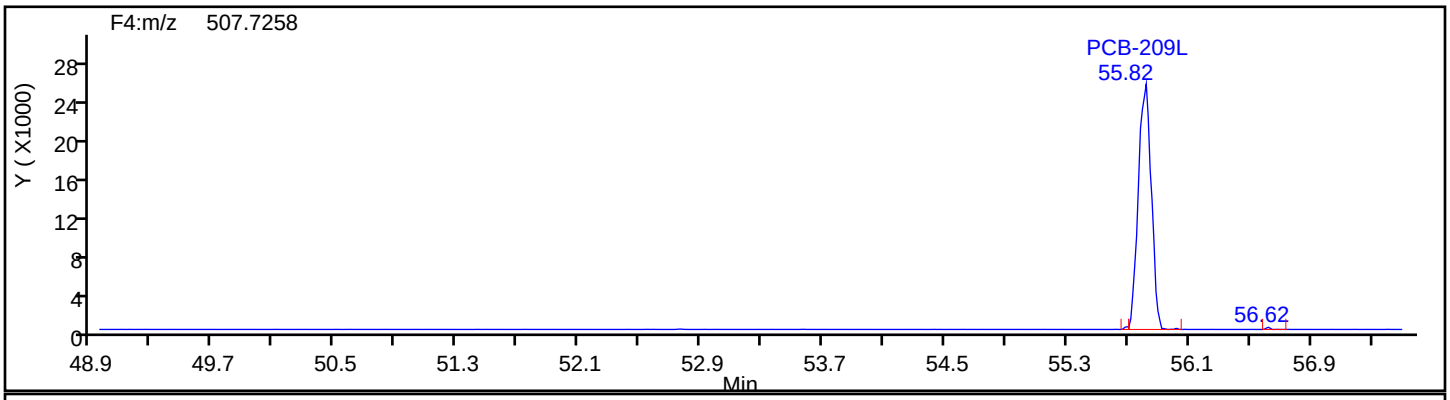
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

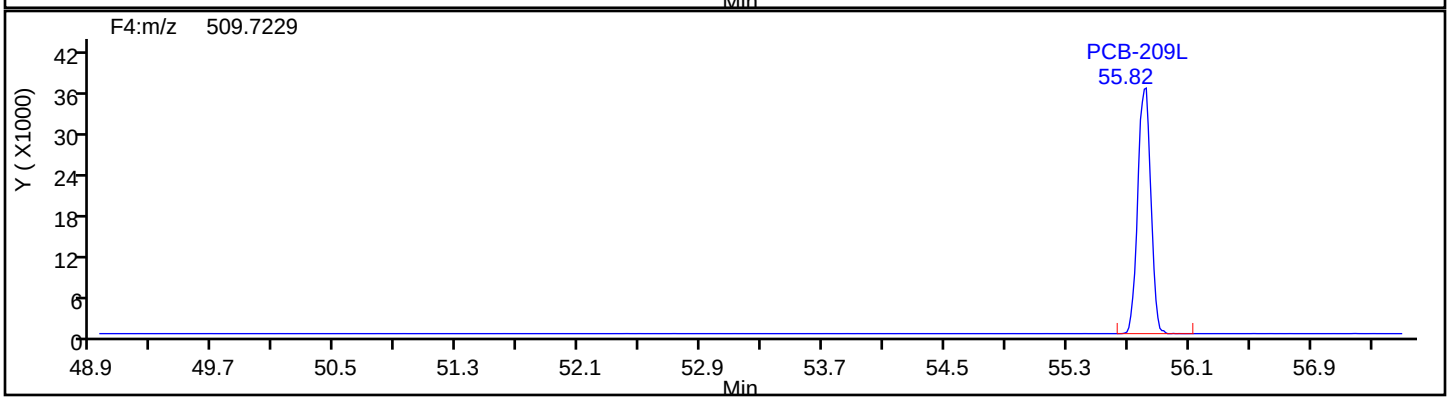
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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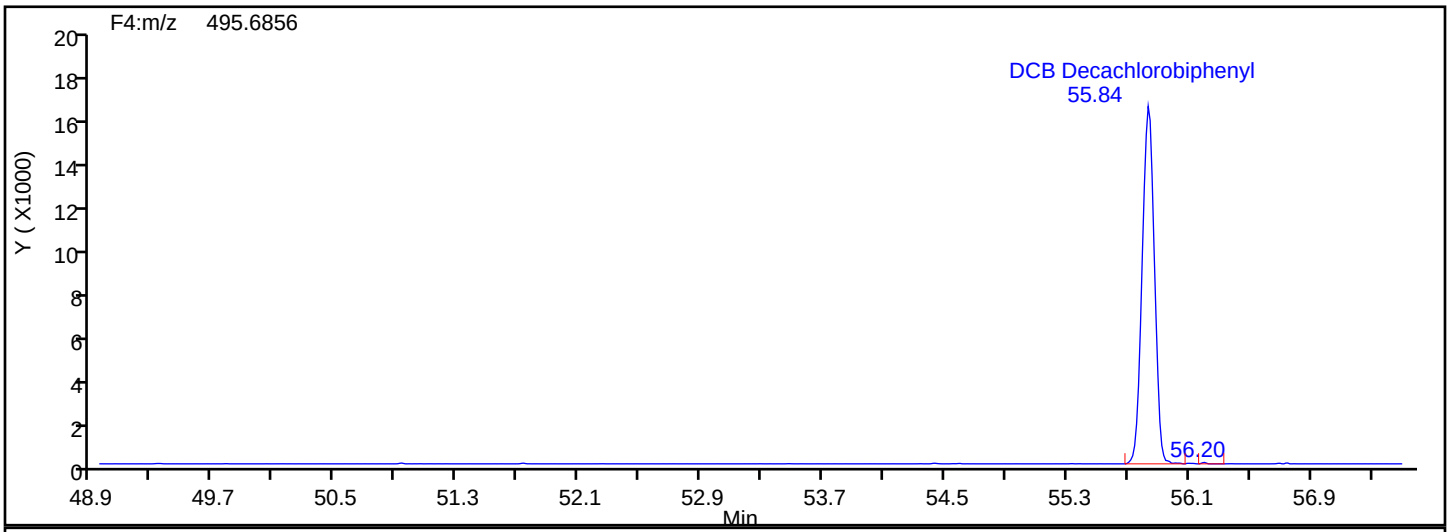
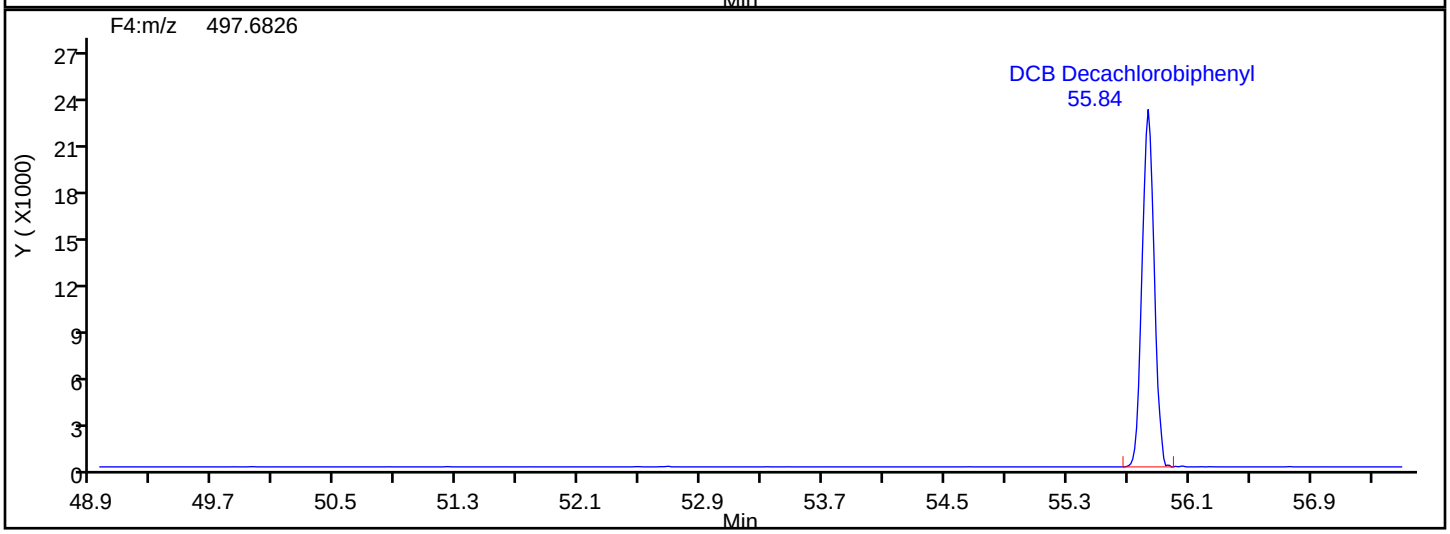
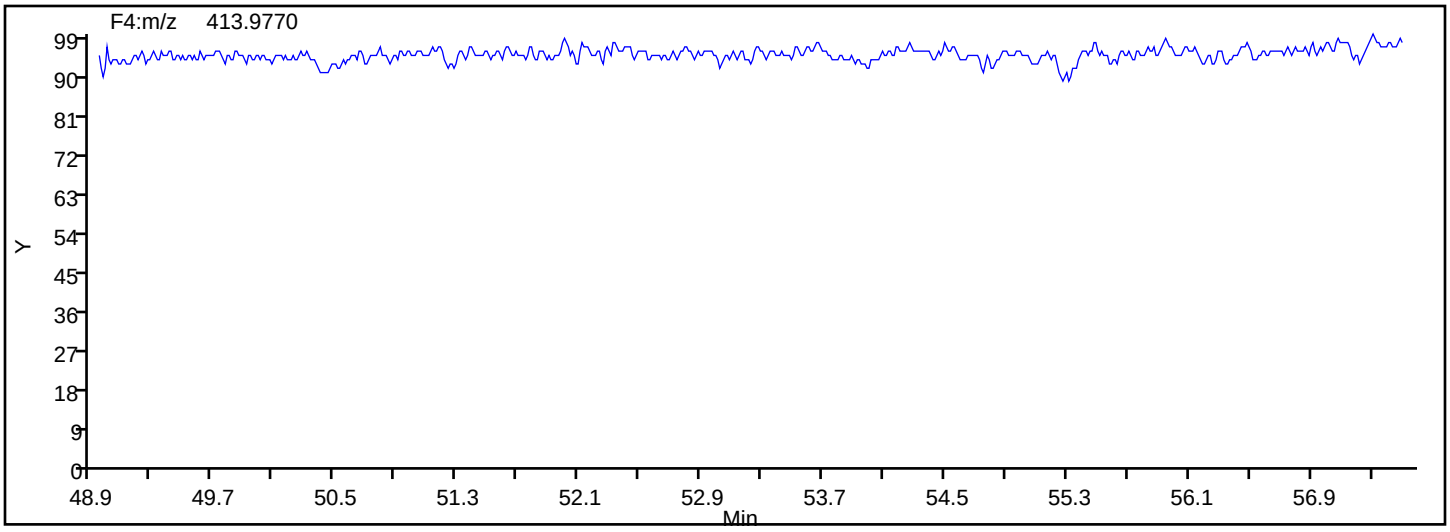
| Injection Date: | 11-Oct-2019 16:00:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-00to10-82719 | | |
| Worklist#: | 34365 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 4.17(g)  Date Analyzed: 10/09/2019 19:50

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 2.0 | | 0.049 | 0.0053 |
| 2051-61-8 | PCB-2 | 0.18 | | 0.049 | 0.0055 |
| 2051-62-9 | PCB-3 | 0.89 | | 0.049 | 0.0057 |
| 13029-08-8 | PCB-4 | 0.81 | | 0.097 | 0.0035 |
| 16605-91-7 | PCB-5 | 0.067 | | 0.049 | 0.0022 |
| 25569-80-6 | PCB-6 | 0.56 | | 0.049 | 0.0022 |
| 33284-50-3 | PCB-7 | 0.16 | | 0.049 | 0.0021 |
| 34883-43-7 | PCB-8 | 1.8 | | 0.097 | 0.0022 |
| 34883-39-1 | PCB-9 | 0.20 | | 0.049 | 0.0024 |
| 33146-45-1 | PCB-10 | 0.056 | | 0.049 | 0.0023 |
| 2050-67-1 | PCB-11 | 0.13 | B | 0.097 | 0.0021 |
| 2974-92-7 | PCB-12 | 0.26 | C | 0.097 | 0.0021 |
| 2974-90-5 | PCB-13 | 0.26 | C12 | 0.097 | 0.0021 |
| 34883-41-5 | PCB-14 | ND | | 0.049 | 0.0018 |
| 2050-68-2 | PCB-15 | 0.83 | | 0.049 | 0.0020 |
| 38444-78-9 | PCB-16 | 0.91 | | 0.049 | 0.0025 |
| 37680-66-3 | PCB-17 | 1.4 | B | 0.049 | 0.0020 |
| 37680-65-2 | PCB-18 | 2.0 | C B | 0.097 | 0.0017 |
| 38444-73-4 | PCB-19 | 0.25 | | 0.049 | 0.0023 |
| 38444-84-7 | PCB-20 | 5.0 | C B | 0.097 | 0.028 |
| 55702-46-0 | PCB-21 | 2.0 | C B | 0.097 | 0.026 |
| 38444-85-8 | PCB-22 | 0.93 | B | 0.049 | 0.029 |
| 55720-44-0 | PCB-23 | ND | | 0.049 | 0.029 |
| 55702-45-9 | PCB-24 | 0.028 | J | 0.049 | 0.0015 |
| 55712-37-3 | PCB-25 | 0.57 | | 0.049 | 0.027 |
| 38444-81-4 | PCB-26 | 0.83 | C B | 0.097 | 0.028 |
| 38444-76-7 | PCB-27 | 0.18 | | 0.049 | 0.0014 |
| 7012-37-5 | PCB-28 | 5.0 | C20 B | 0.097 | 0.028 |
| 15862-07-4 | PCB-29 | 0.83 | C26 B | 0.097 | 0.028 |
| 35693-92-6 | PCB-30 | 2.0 | C18 B | 0.097 | 0.0017 |
| 16606-02-3 | PCB-31 | 3.3 | B | 0.097 | 0.026 |
| 38444-77-8 | PCB-32 | 1.0 | | 0.049 | 0.0013 |
| 38444-86-9 | PCB-33 | 2.0 | C21 B | 0.097 | 0.026 |
| 37680-68-5 | PCB-34 | 0.074 | | 0.049 | 0.030 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 4.17(g)  Date Analyzed: 10/09/2019 19:50

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.11 | | 0.049 | 0.030 |
| 38444-87-0 | PCB-36 | ND | | 0.049 | 0.027 |
| 38444-90-5 | PCB-37 | 1.2 | B | 0.049 | 0.028 |
| 53555-66-1 | PCB-38 | ND | | 0.049 | 0.028 |
| 38444-88-1 | PCB-39 | 0.16 | | 0.049 | 0.026 |
| 38444-93-8 | PCB-40 | 5.8 | C | 0.15 | 0.012 |
| 52663-59-9 | PCB-41 | 5.8 | C40 | 0.15 | 0.012 |
| 36559-22-5 | PCB-42 | 3.9 | | 0.049 | 0.013 |
| 70362-46-8 | PCB-43 | 0.42 | C | 0.097 | 0.011 |
| 41464-39-5 | PCB-44 | 21 | C B | 0.15 | 0.011 |
| 70362-45-7 | PCB-45 | 2.1 | C B | 0.097 | 0.012 |
| 41464-47-5 | PCB-46 | 0.53 | | 0.049 | 0.014 |
| 2437-79-8 | PCB-47 | 21 | C44 B | 0.15 | 0.011 |
| 70362-47-9 | PCB-48 | 1.1 | | 0.049 | 0.012 |
| 41464-40-8 | PCB-49 | 17 | C B | 0.097 | 0.0096 |
| 62796-65-0 | PCB-50 | 2.3 | C | 0.097 | 0.012 |
| 68194-04-7 | PCB-51 | 2.1 | C45 B | 0.097 | 0.012 |
| 35693-99-3 | PCB-52 | 37 | B | 0.049 | 0.012 |
| 41464-41-9 | PCB-53 | 2.3 | C50 | 0.097 | 0.012 |
| 15968-05-5 | PCB-54 | 0.12 | | 0.049 | 0.0010 |
| 74338-24-2 | PCB-55 | 0.11 | | 0.049 | 0.0085 |
| 41464-43-1 | PCB-56 | 4.0 | | 0.049 | 0.0087 |
| 70424-67-8 | PCB-57 | ND | | 0.049 | 0.0086 |
| 41464-49-7 | PCB-58 | 0.22 | | 0.049 | 0.0083 |
| 74472-33-6 | PCB-59 | 0.94 | C | 0.15 | 0.0081 |
| 33025-41-1 | PCB-60 | 0.59 | | 0.049 | 0.0083 |
| 33284-53-6 | PCB-61 | 29 | C B | 0.19 | 0.0081 |
| 54230-22-7 | PCB-62 | 0.94 | C59 | 0.15 | 0.0081 |
| 74472-34-7 | PCB-63 | 0.58 | | 0.049 | 0.0075 |
| 52663-58-8 | PCB-64 | 5.1 | | 0.049 | 0.0077 |
| 33284-54-7 | PCB-65 | 21 | C44 B | 0.15 | 0.011 |
| 32598-10-0 | PCB-66 | 16 | B | 0.049 | 0.0086 |
| 73575-53-8 | PCB-67 | 0.27 | | 0.049 | 0.0079 |
| 73575-52-7 | PCB-68 | 0.59 | B | 0.049 | 0.0074 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 4.17(g)  Date Analyzed: 10/09/2019 19:50

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 17 | C49 B | 0.097 | 0.0096 |
| 32598-11-1 | PCB-70 | 29 | C61 B | 0.19 | 0.0081 |
| 41464-46-4 | PCB-71 | 5.8 | C40 | 0.15 | 0.012 |
| 41464-42-0 | PCB-72 | 1.1 | | 0.049 | 0.0083 |
| 74338-23-1 | PCB-73 | 0.42 | C43 | 0.097 | 0.011 |
| 32690-93-0 | PCB-74 | 29 | C61 B | 0.19 | 0.0081 |
| 32598-12-2 | PCB-75 | 0.94 | C59 | 0.15 | 0.0081 |
| 70362-48-0 | PCB-76 | 29 | C61 B | 0.19 | 0.0081 |
| 32598-13-3 | PCB-77 | 1.3 | | 0.049 | 0.0080 |
| 70362-49-1 | PCB-78 | ND | | 0.049 | 0.0083 |
| 41464-48-6 | PCB-79 | 0.77 | | 0.049 | 0.0071 |
| 33284-52-5 | PCB-80 | ND | | 0.049 | 0.0075 |
| 70362-50-4 | PCB-81 | 0.044 | J | 0.049 | 0.0085 |
| 52663-62-4 | PCB-82 | 5.0 | B | 0.049 | 0.0019 |
| 60145-20-2 | PCB-83 | 36 | C B | 0.097 | 0.0017 |
| 52663-60-2 | PCB-84 | 17 | B | 0.049 | 0.0019 |
| 65510-45-4 | PCB-85 | 7.3 | C | 0.15 | 0.0013 |
| 55312-69-1 | PCB-86 | 33 | C B | 0.29 | 0.0014 |
| 38380-02-8 | PCB-87 | 33 | C86 B | 0.29 | 0.0014 |
| 55215-17-3 | PCB-88 | 10 | C B | 0.097 | 0.0016 |
| 73575-57-2 | PCB-89 | 0.44 | | 0.049 | 0.0018 |
| 68194-07-0 | PCB-90 | 61 | C B | 0.15 | 0.0014 |
| 68194-05-8 | PCB-91 | 10 | C88 B | 0.097 | 0.0016 |
| 52663-61-3 | PCB-92 | 14 | B | 0.049 | 0.0017 |
| 73575-56-1 | PCB-93 | 1.3 | C | 0.097 | 0.0017 |
| 73575-55-0 | PCB-94 | 0.40 | | 0.049 | 0.0018 |
| 38379-99-6 | PCB-95 | 52 | B | 0.049 | 0.0017 |
| 73575-54-9 | PCB-96 | 0.42 | | 0.049 | 0.0013 |
| 41464-51-1 | PCB-97 | 33 | C86 B | 0.29 | 0.0014 |
| 60233-25-2 | PCB-98 | 2.4 | C | 0.097 | 0.0016 |
| 38380-01-7 | PCB-99 | 36 | C83 B | 0.097 | 0.0017 |
| 39485-83-1 | PCB-100 | 1.3 | C93 | 0.097 | 0.0017 |
| 37680-73-2 | PCB-101 | 61 | C90 B | 0.15 | 0.0014 |
| 68194-06-9 | PCB-102 | 2.4 | C98 | 0.097 | 0.0016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 4.17(g)  Date Analyzed: 10/09/2019 19:50

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 1.5 | | 0.049 | 0.0016 |
| 56558-16-8 | PCB-104 | ND | | 0.049 | 0.0012 |
| 32598-14-4 | PCB-105 | 12 | B | 0.049 | 0.030 |
| 70424-69-0 | PCB-106 | ND | | 0.049 | 0.030 |
| 70424-68-9 | PCB-107 | 4.0 | B | 0.049 | 0.029 |
| 70362-41-3 | PCB-108 | 1.6 | C | 0.097 | 0.031 |
| 74472-35-8 | PCB-109 | 33 | C86 B | 0.29 | 0.0014 |
| 38380-03-9 | PCB-110 | 61 | C B | 0.097 | 0.0012 |
| 39635-32-0 | PCB-111 | ND | | 0.049 | 0.0011 |
| 74472-36-9 | PCB-112 | ND | | 0.049 | 0.0012 |
| 68194-10-5 | PCB-113 | 61 | C90 B | 0.15 | 0.0014 |
| 74472-37-0 | PCB-114 | 0.77 | | 0.049 | 0.027 |
| 74472-38-1 | PCB-115 | 61 | C110 B | 0.097 | 0.0012 |
| 18259-05-7 | PCB-116 | 7.3 | C85 | 0.15 | 0.0013 |
| 68194-11-6 | PCB-117 | 7.3 | C85 | 0.15 | 0.0013 |
| 31508-00-6 | PCB-118 | 43 | B | 0.049 | 0.029 |
| 56558-17-9 | PCB-119 | 33 | C86 B | 0.29 | 0.0014 |
| 68194-12-7 | PCB-120 | 0.62 | | 0.049 | 0.0011 |
| 56558-18-0 | PCB-121 | ND | | 0.049 | 0.0012 |
| 76842-07-4 | PCB-122 | 0.51 | B | 0.049 | 0.033 |
| 65510-44-3 | PCB-123 | 0.52 | | 0.049 | 0.030 |
| 70424-70-3 | PCB-124 | 1.6 | C108 | 0.097 | 0.031 |
| 74472-39-2 | PCB-125 | 33 | C86 B | 0.29 | 0.0014 |
| 57465-28-8 | PCB-126 | 0.18 | | 0.049 | 0.030 |
| 39635-33-1 | PCB-127 | ND | | 0.049 | 0.030 |
| 38380-07-3 | PCB-128 | 8.7 | C B | 0.097 | 0.0085 |
| 55215-18-4 | PCB-129 | 51 | C B | 0.19 | 0.0088 |
| 52663-66-8 | PCB-130 | 4.2 | B | 0.049 | 0.011 |
| 61798-70-7 | PCB-131 | 0.85 | | 0.049 | 0.011 |
| 38380-05-1 | PCB-132 | 20 | B | 0.049 | 0.011 |
| 35694-04-3 | PCB-133 | 1.3 | | 0.049 | 0.010 |
| 52704-70-8 | PCB-134 | 3.7 | C | 0.097 | 0.011 |
| 52744-13-5 | PCB-135 | 17 | C B | 0.097 | 0.0029 |
| 38411-22-2 | PCB-136 | 7.8 | B | 0.049 | 0.0022 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

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Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 2.4 | | 0.049 | 0.0090 |
| 35065-28-2 | PCB-138 | 51 | C129 B | 0.19 | 0.0088 |
| 56030-56-9 | PCB-139 | 1.3 | C | 0.097 | 0.0095 |
| 59291-64-4 | PCB-140 | 1.3 | C139 | 0.097 | 0.0095 |
| 52712-04-6 | PCB-141 | 8.2 | B | 0.049 | 0.0099 |
| 41411-61-4 | PCB-142 | ND | | 0.049 | 0.011 |
| 68194-15-0 | PCB-143 | 3.7 | C134 | 0.097 | 0.011 |
| 68194-14-9 | PCB-144 | 1.9 | | 0.049 | 0.0027 |
| 74472-40-5 | PCB-145 | 0.035 | J | 0.049 | 0.0021 |
| 51908-16-8 | PCB-146 | 11 | B | 0.049 | 0.0094 |
| 68194-13-8 | PCB-147 | 44 | C B | 0.097 | 0.0098 |
| 74472-41-6 | PCB-148 | 0.26 | | 0.049 | 0.0028 |
| 38380-04-0 | PCB-149 | 44 | C147 B | 0.097 | 0.0098 |
| 68194-08-1 | PCB-150 | 0.28 | | 0.049 | 0.0020 |
| 52663-63-5 | PCB-151 | 17 | C135 B | 0.097 | 0.0029 |
| 68194-09-2 | PCB-152 | 0.064 | | 0.049 | 0.0020 |
| 35065-27-1 | PCB-153 | 42 | C B | 0.097 | 0.0078 |
| 60145-22-4 | PCB-154 | 1.6 | | 0.049 | 0.0025 |
| 33979-03-2 | PCB-155 | ND | | 0.049 | 0.0019 |
| 38380-08-4 | PCB-156 | 6.4 | C B | 0.097 | 0.0090 |
| 69782-90-7 | PCB-157 | 6.4 | C156 B | 0.097 | 0.0090 |
| 74472-42-7 | PCB-158 | 4.9 | B | 0.049 | 0.0069 |
| 39635-35-3 | PCB-159 | 0.36 | | 0.049 | 0.0072 |
| 41411-62-5 | PCB-160 | 51 | C129 B | 0.19 | 0.0088 |
| 74472-43-8 | PCB-161 | ND | | 0.049 | 0.0071 |
| 39635-34-2 | PCB-162 | ND | | 0.049 | 0.0070 |
| 74472-44-9 | PCB-163 | 51 | C129 B | 0.19 | 0.0088 |
| 74472-45-0 | PCB-164 | 3.9 | B | 0.049 | 0.0076 |
| 74472-46-1 | PCB-165 | ND | | 0.049 | 0.0085 |
| 41411-63-6 | PCB-166 | 8.7 | C128 B | 0.097 | 0.0085 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

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Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 2.0 | B | 0.049 | 0.0059 |
| 59291-65-5 | PCB-168 | 42 | C153 B | 0.097 | 0.0078 |
| 32774-16-6 | PCB-169 | ND | | 0.049 | 0.0065 |
| 35065-30-6 | PCB-170 | 9.9 | B | 0.049 | 0.0020 |
| 52663-71-5 | PCB-171 | 3.4 | C B | 0.097 | 0.0020 |
| 52663-74-8 | PCB-172 | 1.8 | B | 0.049 | 0.0019 |
| 68194-16-1 | PCB-173 | 3.4 | C171 B | 0.097 | 0.0020 |
| 38411-25-5 | PCB-174 | 11 | B | 0.049 | 0.0020 |
| 40186-70-7 | PCB-175 | 0.47 | | 0.049 | 0.0018 |
| 52663-65-7 | PCB-176 | 1.3 | B | 0.049 | 0.0012 |
| 52663-70-4 | PCB-177 | 6.5 | B | 0.049 | 0.0020 |
| 52663-67-9 | PCB-178 | 2.3 | B | 0.049 | 0.0019 |
| 52663-64-6 | PCB-179 | 4.7 | B | 0.049 | 0.0013 |
| 35065-29-3 | PCB-180 | 20 | C B | 0.097 | 0.0015 |
| 74472-47-2 | PCB-181 | 0.14 | | 0.049 | 0.0017 |
| 60145-23-5 | PCB-182 | 0.15 | | 0.049 | 0.0017 |
| 52663-69-1 | PCB-183 | 6.7 | C B | 0.097 | 0.0017 |
| 74472-48-3 | PCB-184 | ND | | 0.049 | 0.0013 |
| 52712-05-7 | PCB-185 | 6.7 | C183 B | 0.097 | 0.0017 |
| 74472-49-4 | PCB-186 | ND | | 0.049 | 0.0013 |
| 52663-68-0 | PCB-187 | 13 | B | 0.049 | 0.0017 |
| 74487-85-7 | PCB-188 | ND | | 0.049 | 0.0012 |
| 39635-31-9 | PCB-189 | 0.40 | B | 0.049 | 0.0046 |
| 41411-64-7 | PCB-190 | 1.8 | B | 0.049 | 0.0014 |
| 74472-50-7 | PCB-191 | 0.45 | | 0.049 | 0.0014 |
| 74472-51-8 | PCB-192 | ND | | 0.049 | 0.0015 |
| 69782-91-8 | PCB-193 | 20 | C180 B | 0.097 | 0.0015 |
| 35694-08-7 | PCB-194 | 4.7 | B | 0.049 | 0.020 |
| 52663-78-2 | PCB-195 | 2.0 | B | 0.049 | 0.024 |
| 42740-50-1 | PCB-196 | 2.3 | B | 0.049 | 0.0046 |
| 33091-17-7 | PCB-197 | 0.18 | B | 0.049 | 0.0034 |
| 68194-17-2 | PCB-198 | 5.0 | C B | 0.097 | 0.0049 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 4.17(g)  Date Analyzed: 10/09/2019 19:50

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-75-9 | PCB-199 | 5.0 | C198 B | 0.097 | 0.0049 |
| 52663-73-7 | PCB-200 | 0.60 | | 0.049 | 0.0036 |
| 40186-71-8 | PCB-201 | 0.64 | B | 0.049 | 0.0034 |
| 2136-99-4 | PCB-202 | 1.0 | B | 0.049 | 0.0038 |
| 52663-76-0 | PCB-203 | 3.0 | | 0.049 | 0.0044 |
| 74472-52-9 | PCB-204 | ND | | 0.049 | 0.0037 |
| 74472-53-0 | PCB-205 | 0.22 | | 0.049 | 0.015 |
| 40186-72-9 | PCB-206 | 5.3 | q | 0.049 | 0.0081 |
| 52663-79-3 | PCB-207 | 0.24 | | 0.049 | 0.0056 |
| 52663-77-1 | PCB-208 | 0.61 | | 0.049 | 0.0057 |
| 2051-24-3 | PCB-209 | 1.2 | | 0.049 | 0.0026 |
| 27323-18-8 | Total Monochlorobiphenyls | 3.1 | | 0.049 | 0.0055 |
| 25512-42-9 | Total Dichlorobiphenyls | 4.9 | B | 0.097 | 0.0023 |
| 25323-68-6 | Total Trichlorobiphenyls | 20 | q B | 0.097 | 0.019 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 150 | B | 0.19 | 0.0091 |
| 25429-29-2 | Total Pentachlorobiphenyls | 370 | B | 0.29 | 0.011 |
| 26601-64-9 | Total Hexachlorobiphenyls | 250 | B | 0.19 | 0.0070 |
| 28655-71-2 | Total Heptachlorobiphenyls | 84 | B | 0.097 | 0.0018 |
| 55722-26-4 | Total Octachlorobiphenyls | 20 | B | 0.097 | 0.0083 |
| 53742-07-7 | Total Nonachlorobiphenyls | 6.2 | q | 0.049 | 0.0065 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 900 | q B | 0.29 | 0.0074 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719 RE  Lab Sample ID: 580-88908-36 RE

Matrix: Solid  Lab File ID: 580-88908-a-36-f.d

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 4.17(g)  Date Analyzed: 10/09/2019 19:50

Con. Extract Vol.: 10(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 64 | | 30-140 |
| 208263-77-8 | PCB-3L | 67 | | 30-140 |
| 234432-86-1 | PCB-4L | 69 | | 30-140 |
| 208263-67-6 | PCB-15L | 84 | | 30-140 |
| 234432-87-2 | PCB-19L | 73 | | 30-140 |
| 208263-79-0 | PCB-37L | 90 | | 30-140 |
| 234432-88-3 | PCB-54L | 75 | | 30-140 |
| 105600-23-5 | PCB-77L | 90 | | 30-140 |
| 208461-24-9 | PCB-81L | 86 | | 30-140 |
| 234432-89-4 | PCB-104L | 90 | | 30-140 |
| 208263-62-1 | PCB-105L | 87 | | 30-140 |
| 208263-63-2 | PCB-114L | 86 | | 30-140 |
| 104130-40-7 | PCB-118L | 88 | | 30-140 |
| 208263-64-3 | PCB-123L | 87 | | 30-140 |
| 208263-65-4 | PCB-126L | 97 | | 30-140 |
| 234432-90-7 | PCB-155L | 104 | | 30-140 |
| 208263-68-7 | PCB-156L | 83 | C | 30-140 |
| 235416-30-5 | PCB-157L | 83 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 84 | | 30-140 |
| 208263-70-1 | PCB-169L | 96 | | 30-140 |
| 160901-80-4 | PCB-170L | 83 | | 30-140 |
| 234432-91-8 | PCB-188L | 84 | | 30-140 |
| 208263-73-4 | PCB-189L | 99 | | 30-140 |
| 105600-26-8 | PCB-202L | 86 | | 30-140 |
| 234446-64-1 | PCB-205L | 79 | | 30-140 |
| 208263-75-6 | PCB-206L | 73 | | 30-140 |
| 234432-92-9 | PCB-208L | 80 | | 30-140 |
| 105600-27-9 | PCB-209L | 69 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 79 | | 40-125 |
| 235416-29-2 | PCB-111L | 90 | | 40-125 |
| 232919-67-4 | PCB-178L | 92 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d
Lims ID: 580-88908-A-36-F
Client ID: J5-SC1b-10to20-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 19:50:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 21:40:04 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 21:41:48

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 62.8 | 62.8 | 0.1136 | 0.1136 | | |
| D PCB-1L | 11:45 | 4039899 | 3.18 | 1.3140 | 64.1 | 64.1 | 0.4671 | 0.4671 | 64.09 | |
| D PCB-3L | 13:56 | 4392299 | 3.14 | 1.3615 | 67.2 | 67.2 | 0.4508 | 0.4508 | 67.25 | |
| PCB-1 | 11:46 | 1953570 | 3.19 | 1.1883 | 40.7 | 40.7 | 0.1099 | 0.1099 | | |
| PCB-2 | 13:46 | 189713 | 3.14 | 1.1911 | 3.778 | 3.778 | 0.1141 | 0.1141 | | |
| PCB-3 | 13:57 | 975263 | 3.21 | 1.2130 | 18.3 | 18.3 | 0.1169 | 0.1169 | | |
| S Total Dichlorobiphenyls | | | | | 100.3 | 100.3 | 0.0466 | 0.0466 | | |
| D PCB-4L | 14:11 | 1970581 | 1.56 | 0.5996 | 68.5 | 68.5 | 0.2641 | 0.2641 | 68.51 | |
| * PCB-9L | 16:09 | 4797054 | 1.63 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:05 | 4135526 | 1.61 | 1.0280 | 83.9 | 83.9 | 0.1540 | 0.1540 | 83.86 | |
| PCB-4 | 14:12 | 410719 | 1.58 | 1.2533 | 16.6 | 16.6 | 0.0728 | 0.0728 | | |
| PCB-10 | 14:22 | 52593 | 1.71 | 1.4828 | 1.162 | 1.162 | 0.0475 | 0.0475 | | |
| PCB-9 | 16:10 | 174220 | 1.72 | 1.4200 | 4.019 | 4.019 | 0.0496 | 0.0496 | | |
| PCB-7 | 16:20 | 164071 | 1.60 | 1.6244 | 3.308 | 3.308 | 0.0434 | 0.0434 | | |
| PCB-6 | 16:34 | 547304 | 1.65 | 1.5539 | 11.5 | 11.5 | 0.0454 | 0.0454 | | |
| PCB-5 | 16:52 | 65948 | 1.63 | 1.5606 | 1.384 | 1.384 | 0.0452 | 0.0452 | | |
| PCB-8 | 17:00 | 1808417 | 1.62 | 1.5884 | 37.3 | 37.3 | 0.0444 | 0.0444 | | |
| PCB-14 | 18:38 | | | | | | 0.0376 | 0.0376 | | |
| PCB-11 | 19:29 | 133080 | 1.64 | 1.6347 | 2.667 | 2.667 | 0.0431 | 0.0431 | | Ma |
| PCB-12 | 19:46 | 265451 | 1.52 | 1.6410 | 5.298 | 5.298 | 0.0429 | 0.0429 | | |
| PCB-13 (C12) | 19:46 | 265451 | 1.52 | 1.6410 | 5.298 | 5.298 | 0.0429 | 0.0429 | | |
| PCB-15 | 20:06 | 988130 | 1.60 | 1.4024 | 17.0 | 17.0 | 0.0409 | 0.0409 | | |
| S Total Trichlorobiphenyl | | | | | 410.8 | 410.7 | 0.3842 | 0.3842 | | RQ |
| D PCB-19L | 17:18 | 1486967 | 1.04 | 0.6095 | 73.4 | 73.4 | 0.4792 | 0.4792 | 73.35 | |
| * PCB-32L | 20:34 | 3326161 | 1.06 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:50 | 9971199 | 1.08 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:07 | 8642603 | 1.07 | 1.0975 | 79.0 | 79.0 | 0.1648 | 0.1648 | 78.97 | |
| D PCB-37L | 27:09 | 8131130 | 1.10 | 0.9024 | 90.4 | 90.4 | 0.2005 | 0.2005 | 90.36 | |
| PCB-19 | 17:18 | 98520 | 0.97 | 1.3047 | 5.078 | 5.078 | 0.0481 | 0.0481 | | |
| PCB-18 | 19:11 | 1130717 | 1.06 | 1.8188 | 41.8 | 41.8 | 0.0345 | 0.0345 | | |
| PCB-30 (C18) | 19:11 | 1130717 | 1.06 | 1.8188 | 41.8 | 41.8 | 0.0345 | 0.0345 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 661811 | 1.05 | 1.5641 | 28.5 | 28.5 | 0.0401 | 0.0401 | | |
| PCB-27 | 19:49 | 121611 | 1.10 | 2.1680 | 3.772 | 3.772 | 0.0290 | 0.0290 | | |
| PCB-24 | 19:57 | 17846 | 1.00 | 2.1018 | 0.5710 | 0.5710 | 0.0299 | 0.0299 | | |
| PCB-16 | 20:03 | 339502 | 1.07 | 1.2260 | 18.6 | 18.6 | 0.0512 | 0.0512 | | |
| PCB-32 | 20:34 | 738496 | 1.07 | 2.3416 | 21.2 | 21.2 | 0.0268 | 0.0268 | | |
| PCB-34 | 21:51 | 149476 | 1.10 | 1.2154 | 1.513 | 1.513 | 0.6142 | 0.6142 | | |
| PCB-23 | 21:59 | | | | | | 0.5889 | 0.5889 | | |
| PCB-26 | 22:18 | 1829257 | 1.07 | 1.3193 | 17.1 | 17.1 | 0.5658 | 0.5658 | | M |
| PCB-29 (C26) | 22:18 | 1829257 | 1.07 | 1.3193 | 17.1 | 17.1 | 0.5658 | 0.5658 | | M |
| PCB-25 | 22:32 | 1290269 | 1.08 | 1.3523 | 11.7 | 11.7 | 0.5520 | 0.5520 | | Ma |
| PCB-31 | 22:51 | 7598762 | 1.07 | 1.3809 | 67.7 | 67.7 | 0.5406 | 0.5406 | | |
| PCB-20 | 23:09 | 10843927 | 1.07 | 1.3057 | 102.1 | 102.1 | 0.5717 | 0.5717 | | |
| PCB-28 (C20) | 23:09 | 10843927 | 1.07 | 1.3057 | 102.1 | 102.1 | 0.5717 | 0.5717 | | |
| PCB-21 | 23:23 | 4674365 | 1.07 | 1.3777 | 41.7 | 41.7 | 0.5419 | 0.5419 | | |
| PCB-33 (C21) | 23:23 | 4674365 | 1.07 | 1.3777 | 41.7 | 41.7 | 0.5419 | 0.5419 | | |
| PCB-22 | 23:46 | 1931780 | 1.06 | 1.2430 | 19.1 | 19.1 | 0.6006 | 0.6006 | | |
| PCB-36 | 25:21 | 45654 | 1.04 | 1.3468 | 0.4576 | 0.4169 | 0.5543 | 0.5543 | | RnQMa |
| PCB-39 | 25:42 | 384070 | 0.96 | 1.3970 | 3.381 | 3.381 | 0.5343 | 0.5343 | | |
| PCB-38 | 26:15 | | | | | | 0.5665 | 0.5665 | | |
| PCB-35 | 26:45 | 227238 | 1.04 | 1.2166 | 2.297 | 2.297 | 0.6136 | 0.6136 | | Ma |
| PCB-37 | 27:09 | 2529141 | 1.07 | 1.2879 | 24.2 | 24.2 | 0.5796 | 0.5796 | | |
| S Total Tetrachlorobiphen | | | | | 3115.4 | 3115.4 | 0.1876 | 0.1876 | | |
| D PCB-54L | 20:23 | 1616113 | 0.82 | 0.6515 | 74.6 | 74.6 | 0.0543 | 0.0543 | 74.58 | |
| * PCB-52L | 24:58 | 5098018 | 0.81 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:55 | 5428696 | 0.78 | 1.2328 | 86.4 | 86.4 | 0.1363 | 0.1363 | 86.38 | |
| D PCB-77L | 34:29 | 5717078 | 0.82 | 1.2523 | 89.6 | 89.6 | 0.1342 | 0.1342 | 89.55 | |
| PCB-54 | 20:24 | 49168 | 0.75 | 1.2558 | 2.423 | 2.423 | 0.0214 | 0.0214 | | |
| PCB-50 | 22:34 | 2493993 | 0.79 | 0.9362 | 47.8 | 47.8 | 0.2410 | 0.2410 | | |
| PCB-53 (C50) | 22:34 | 2493993 | 0.79 | 0.9362 | 47.8 | 47.8 | 0.2410 | 0.2410 | | |
| PCB-45 | 23:19 | 2119514 | 0.80 | 0.8850 | 43.0 | 43.0 | 0.2549 | 0.2549 | | Ma |
| PCB-51 (C45) | 23:19 | 2119514 | 0.80 | 0.8850 | 43.0 | 43.0 | 0.2549 | 0.2549 | | Ma |
| PCB-46 | 23:33 | 459243 | 0.81 | 0.7591 | 10.9 | 10.9 | 0.2972 | 0.2972 | | |
| PCB-52 | 24:59 | 38047617 | 0.79 | 0.8992 | 759.2 | 759.2 | 0.2509 | 0.2509 | | Ma |
| PCB-43 | 25:13 | 477258 | 0.79 | 0.9993 | 8.570 | 8.570 | 0.2258 | 0.2258 | | Ma |
| PCB-73 (C43) | 25:13 | 477258 | 0.79 | 0.9993 | 8.570 | 8.570 | 0.2258 | 0.2258 | | Ma |
| PCB-49 | 25:28 | 21842098 | 0.81 | 1.1366 | 344.8 | 344.8 | 0.1985 | 0.1985 | | |
| PCB-69 (C49) | 25:28 | 21842098 | 0.81 | 1.1366 | 344.8 | 344.8 | 0.1985 | 0.1985 | | |
| PCB-48 | 25:45 | 1185012 | 0.82 | 0.9454 | 22.5 | 22.5 | 0.2387 | 0.2387 | | |
| PCB-44 | 25:59 | 25032224 | 0.81 | 1.0323 | 435.1 | 435.1 | 0.2186 | 0.2186 | | |
| PCB-47 (C44) | 25:59 | 25032224 | 0.81 | 1.0323 | 435.1 | 435.1 | 0.2186 | 0.2186 | | |
| PCB-65 (C44) | 25:59 | 25032224 | 0.81 | 1.0323 | 435.1 | 435.1 | 0.2186 | 0.2186 | | |
| PCB-59 | 26:20 | 1460933 | 0.81 | 1.3609 | 19.3 | 19.3 | 0.1658 | 0.1658 | | |
| PCB-62 (C59) | 26:20 | 1460933 | 0.81 | 1.3609 | 19.3 | 19.3 | 0.1658 | 0.1658 | | |
| PCB-75 (C59) | 26:20 | 1460933 | 0.81 | 1.3609 | 19.3 | 19.3 | 0.1658 | 0.1658 | | |
| PCB-42 | 26:30 | 3906050 | 0.79 | 0.8670 | 80.8 | 80.8 | 0.2602 | 0.2602 | | |
| PCB-40 | 27:00 | 6081325 | 0.80 | 0.9179 | 118.9 | 118.9 | 0.2458 | 0.2458 | | Ma |
| PCB-41 (C40) | 27:00 | 6081325 | 0.80 | 0.9179 | 118.9 | 118.9 | 0.2458 | 0.2458 | | Ma |
| PCB-71 (C40) | 27:00 | 6081325 | 0.80 | 0.9179 | 118.9 | 118.9 | 0.2458 | 0.2458 | | Ma |
| PCB-64 | 27:13 | 8271397 | 0.79 | 1.4164 | 104.8 | 104.8 | 0.1593 | 0.1593 | | |
| PCB-72 | 28:04 | 1703777 | 0.80 | 1.3157 | 23.2 | 23.2 | 0.1715 | 0.1715 | | |
| PCB-68 | 28:22 | 1003435 | 0.80 | 1.4782 | 12.2 | 12.2 | 0.1526 | 0.1526 | | |
| PCB-57 | 28:44 | | | | | | 0.1760 | 0.1760 | | |
| PCB-58 | 29:01 | 327633 | 0.82 | 1.3214 | 4.449 | 4.449 | 0.1707 | 0.1707 | | |
| PCB-67 | 29:11 | 430387 | 0.77 | 1.3944 | 5.538 | 5.538 | 0.1618 | 0.1618 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:27 | 977701 | 0.79 | 1.4685 | 11.9 | 11.9 | 0.1536 | 0.1536 | | |
| PCB-61 | 29:47 | 44861126 | 0.79 | 1.3565 | 593.4 | 593.4 | 0.1663 | 0.1663 | | |
| PCB-70 (C61) | 29:47 | 44861126 | 0.79 | 1.3565 | 593.4 | 593.4 | 0.1663 | 0.1663 | | |
| PCB-74 (C61) | 29:47 | 44861126 | 0.79 | 1.3565 | 593.4 | 593.4 | 0.1663 | 0.1663 | | |
| PCB-76 (C61) | 29:47 | 44861126 | 0.79 | 1.3565 | 593.4 | 593.4 | 0.1663 | 0.1663 | | |
| PCB-66 | 30:07 | 23413648 | 0.80 | 1.2800 | 328.2 | 328.2 | 0.1763 | 0.1763 | | Ma |
| PCB-55 | 30:13 | 156010 | 0.73 | 1.2951 | 2.162 | 2.162 | 0.1742 | 0.1742 | | Ma |
| PCB-56 | 30:46 | 5752657 | 0.79 | 1.2671 | 81.5 | 81.5 | 0.1781 | 0.1781 | | |
| PCB-60 | 30:59 | 897145 | 0.84 | 1.3288 | 12.1 | 12.1 | 0.1698 | 0.1698 | | |
| PCB-80 | 31:22 | | | | | | 0.1535 | 0.1535 | | |
| PCB-79 | 32:57 | 1370270 | 0.78 | 1.5421 | 15.9 | 15.9 | 0.1463 | 0.1463 | | |
| PCB-78 | 33:27 | | | | | | 0.1716 | 0.1716 | | |
| PCB-81 | 33:54 | 64747 | 0.86 | 1.3214 | 0.9026 | 0.9026 | 0.1754 | 0.1754 | | Ma |
| PCB-77 | 34:30 | 1959807 | 0.80 | 1.3308 | 25.8 | 25.8 | 0.1651 | 0.1651 | | |
| S Total Pentachlorobiphen | | | | | 7513.6 | 7513.6 | 0.2193 | 0.2193 | | |
| D PCB-104L | 25:54 | 3669033 | 1.57 | 1.1164 | 90.3 | 90.3 | 0.0454 | 0.0454 | 90.28 | |
| * PCB-101L | 31:50 | 3640209 | 1.63 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:32 | 4000567 | 1.57 | 1.2177 | 90.3 | 90.3 | 0.0416 | 0.0416 | 90.25 | |
| D PCB-123L | 36:30 | 5771518 | 1.59 | 0.9909 | 86.5 | 86.5 | 0.7764 | 0.7764 | 86.53 | |
| D PCB-118L | 36:50 | 6099012 | 1.61 | 1.0256 | 88.4 | 88.4 | 0.7502 | 0.7502 | 88.35 | |
| D PCB-114L | 37:21 | 5823590 | 1.58 | 1.0030 | 86.3 | 86.3 | 0.7670 | 0.7670 | 86.26 | |
| D PCB-105L | 38:00 | 5857425 | 1.60 | 1.0013 | 86.9 | 86.9 | 0.7684 | 0.7684 | 86.91 | |
| * PCB-127L | 39:29 | 6730804 | 1.62 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:06 | 5861991 | 1.60 | 0.9020 | 96.6 | 96.6 | 0.8529 | 0.8529 | 96.55 | |
| PCB-104 | 25:55 | | | | | | 0.0240 | 0.0240 | | |
| PCB-96 | 26:18 | 390832 | 1.64 | 1.2268 | 8.683 | 8.683 | 0.0273 | 0.0273 | | |
| PCB-103 | 28:15 | 1162455 | 1.62 | 1.0331 | 30.7 | 30.7 | 0.0324 | 0.0324 | | |
| PCB-94 | 28:28 | 274015 | 1.55 | 0.9036 | 8.265 | 8.265 | 0.0371 | 0.0371 | | Ma |
| PCB-95 | 28:55 | 37464167 | 1.59 | 0.9620 | 1061.4 | 1061.4 | 0.0348 | 0.0348 | | |
| PCB-93 | 29:08 | 971924 | 1.68 | 0.9806 | 27.0 | 27.0 | 0.0341 | 0.0341 | | |
| PCB-100 (C93) | 29:08 | 971924 | 1.68 | 0.9806 | 27.0 | 27.0 | 0.0341 | 0.0341 | | |
| PCB-98 | 29:16 | 1781123 | 1.59 | 0.9888 | 49.1 | 49.1 | 0.0339 | 0.0339 | | |
| PCB-102 (C98) | 29:16 | 1781123 | 1.59 | 0.9888 | 49.1 | 49.1 | 0.0339 | 0.0339 | | |
| PCB-88 | 29:47 | 7708004 | 1.59 | 1.0052 | 209.0 | 209.0 | 0.0333 | 0.0333 | | |
| PCB-91 (C88) | 29:47 | 7708004 | 1.59 | 1.0052 | 209.0 | 209.0 | 0.0333 | 0.0333 | | |
| PCB-84 | 30:00 | 11090556 | 1.58 | 0.8601 | 351.4 | 351.4 | 0.0389 | 0.0389 | | |
| PCB-89 | 30:28 | 295964 | 1.46 | 0.8936 | 9.027 | 9.027 | 0.0375 | 0.0375 | | |
| PCB-121 | 30:52 | | | | | | 0.0240 | 0.0240 | | |
| PCB-92 | 31:17 | 9732314 | 1.58 | 0.9532 | 278.3 | 278.3 | 0.0351 | 0.0351 | | |
| PCB-90 | 31:52 | 52374966 | 1.60 | 1.1367 | 1255.8 | 1255.8 | 0.0295 | 0.0295 | | |
| PCB-101 (C90) | 31:52 | 52374966 | 1.60 | 1.1367 | 1255.8 | 1255.8 | 0.0295 | 0.0295 | | |
| PCB-113 (C90) | 31:52 | 52374966 | 1.60 | 1.1367 | 1255.8 | 1255.8 | 0.0295 | 0.0295 | | |
| PCB-83 | 32:26 | 25791652 | 1.56 | 0.9393 | 748.4 | 748.4 | 0.0356 | 0.0356 | | Ma |
| PCB-99 (C83) | 32:26 | 25791652 | 1.56 | 0.9393 | 748.4 | 748.4 | 0.0356 | 0.0356 | | Ma |
| PCB-112 | 32:31 | | | | | | 0.0245 | 0.0245 | | |
| PCB-86 | 32:57 | 29352740 | 1.55 | 1.1958 | 669.0 | 669.0 | 0.0280 | 0.0280 | | Ma |
| PCB-87 (C86) | 32:57 | 29352740 | 1.55 | 1.1958 | 669.0 | 669.0 | 0.0280 | 0.0280 | | Ma |
| PCB-97 (C86) | 32:57 | 29352740 | 1.55 | 1.1958 | 669.0 | 669.0 | 0.0280 | 0.0280 | | Ma |
| PCB-109 (C86) | 32:57 | 29352740 | 1.55 | 1.1958 | 669.0 | 669.0 | 0.0280 | 0.0280 | | Ma |
| PCB-119 (C86) | 32:57 | 29352740 | 1.55 | 1.1958 | 669.0 | 669.0 | 0.0280 | 0.0280 | | Ma |
| PCB-125 (C86) | 32:57 | 29352740 | 1.55 | 1.1958 | 669.0 | 669.0 | 0.0280 | 0.0280 | | Ma |
| PCB-85 | 33:40 | 6677200 | 1.58 | 1.2126 | 150.1 | 150.1 | 0.0276 | 0.0276 | | |
| PCB-116 (C85) | 33:40 | 6677200 | 1.58 | 1.2126 | 150.1 | 150.1 | 0.0276 | 0.0276 | | |
| PCB-117 (C85) | 33:40 | 6677200 | 1.58 | 1.2126 | 150.1 | 150.1 | 0.0276 | 0.0276 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:50 | 62406480 | 1.60 | 1.3511 | 1258.9 | 1258.9 | 0.0248 | 0.0248 | | |
| PCB-115 (C110) | 33:50 | 62406480 | 1.60 | 1.3511 | 1258.9 | 1258.9 | 0.0248 | 0.0248 | | |
| PCB-82 | 34:09 | 3301996 | 1.56 | 0.8675 | 103.7 | 103.7 | 0.0386 | 0.0386 | | |
| PCB-111 | 34:30 | | | | | | 0.0235 | 0.0235 | | |
| PCB-120 | 35:01 | 702977 | 1.60 | 1.4907 | 12.9 | 12.9 | 0.0225 | 0.0225 | | |
| PCB-108 | 36:10 | 2424709 | 1.56 | 1.2547 | 32.9 | 32.9 | 0.6357 | 0.6357 | | |
| PCB-124 (C108) | 36:10 | 2424709 | 1.56 | 1.2547 | 32.9 | 32.9 | 0.6357 | 0.6357 | | |
| PCB-107 | 36:24 | 6602462 | 1.59 | 1.3580 | 82.6 | 82.6 | 0.5873 | 0.5873 | | |
| PCB-123 | 36:31 | 823213 | 1.60 | 1.3407 | 10.6 | 10.6 | 0.6105 | 0.6105 | | |
| PCB-106 | 36:35 | | | | | | 0.6256 | 0.6256 | | |
| PCB-118 | 36:51 | 69058372 | 1.60 | 1.2892 | 878.3 | 878.3 | 0.5881 | 0.5881 | | |
| PCB-122 | 37:12 | 715480 | 1.52 | 1.1614 | 10.5 | 10.5 | 0.6867 | 0.6867 | | |
| PCB-114 | 37:23 | 1297650 | 1.67 | 1.4051 | 15.9 | 15.9 | 0.5630 | 0.5630 | | |
| PCB-105 | 38:01 | 18681388 | 1.56 | 1.2887 | 247.5 | 247.5 | 0.6234 | 0.6234 | | |
| PCB-127 | 39:27 | | | | | | 0.6211 | 0.6211 | | M |
| PCB-126 | 41:07 | 289358 | 1.63 | 1.3416 | 3.679 | 3.679 | 0.6113 | 0.6113 | | Ma |
| S Total Hexachlorobipheny | | | | | 5048.1 | 5048.1 | 0.1449 | 0.1449 | | |
| D PCB-155L | 31:37 | 3581404 | 1.29 | 0.9499 | 103.6 | 103.6 | 0.0853 | 0.0853 | 104 | |
| * PCB-138L | 39:57 | 4533950 | 1.29 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:59 | 4802303 | 1.28 | 1.2544 | 84.4 | 84.4 | 0.2918 | 0.2918 | 84.44 | |
| D PCB-156L | 44:08 | 9268538 | 1.28 | 1.2289 | 166.3 | 166.3 | 0.2978 | 0.2978 | 83.17 | |
| D PCB-157L (C156L) | 44:08 | 9268538 | 1.28 | 1.2289 | 166.3 | 166.3 | 0.2978 | 0.2978 | 83.17 | |
| D PCB-169L | 47:22 | 4751595 | 1.24 | 1.0883 | 96.3 | 96.3 | 0.3363 | 0.3363 | 96.29 | |
| PCB-155 | 31:36 | | | | | | 0.0394 | 0.0394 | | |
| PCB-152 | 31:49 | 59008 | 1.31 | 1.2556 | 1.312 | 1.312 | 0.0409 | 0.0409 | | |
| PCB-150 | 32:00 | 258528 | 1.22 | 1.2368 | 5.836 | 5.836 | 0.0416 | 0.0416 | | |
| PCB-136 | 32:21 | 6639348 | 1.26 | 1.1563 | 160.3 | 160.3 | 0.0444 | 0.0444 | | |
| PCB-145 | 32:39 | 30980 | 1.29 | 1.1910 | 0.7263 | 0.7263 | 0.0432 | 0.0432 | | Ma |
| PCB-148 | 34:11 | 171501 | 1.16 | 0.8982 | 5.331 | 5.331 | 0.0572 | 0.0572 | | |
| PCB-135 | 34:46 | 10869548 | 1.26 | 0.8691 | 349.2 | 349.2 | 0.0591 | 0.0591 | | |
| PCB-151 (C135) | 34:46 | 10869548 | 1.26 | 0.8691 | 349.2 | 349.2 | 0.0591 | 0.0591 | | |
| PCB-154 | 35:02 | 1217346 | 1.26 | 1.0180 | 33.4 | 33.4 | 0.0505 | 0.0505 | | |
| PCB-144 | 35:20 | 1260768 | 1.26 | 0.9185 | 38.3 | 38.3 | 0.0560 | 0.0560 | | |
| PCB-147 | 35:42 | 41730011 | 1.26 | 0.9747 | 909.9 | 909.9 | 0.2006 | 0.2006 | | |
| PCB-149 (C147) | 35:42 | 41730011 | 1.26 | 0.9747 | 909.9 | 909.9 | 0.2006 | 0.2006 | | |
| PCB-134 | 35:54 | 3053485 | 1.24 | 0.8518 | 76.2 | 76.2 | 0.2296 | 0.2296 | | a |
| PCB-143 (C134) | 35:54 | 3053485 | 1.24 | 0.8518 | 76.2 | 76.2 | 0.2296 | 0.2296 | | a |
| PCB-139 | 36:18 | 1219967 | 1.24 | 0.9995 | 25.9 | 25.9 | 0.1956 | 0.1956 | | |
| PCB-140 (C139) | 36:18 | 1219967 | 1.24 | 0.9995 | 25.9 | 25.9 | 0.1956 | 0.1956 | | |
| PCB-131 | 36:30 | 704482 | 1.24 | 0.8584 | 17.4 | 17.4 | 0.2278 | 0.2278 | | |
| PCB-142 | 36:36 | | | | | | 0.2275 | 0.2275 | | |
| PCB-132 | 36:58 | 16748183 | 1.24 | 0.8801 | 404.4 | 404.4 | 0.2222 | 0.2222 | | |
| PCB-133 | 37:28 | 1110540 | 1.23 | 0.9064 | 26.0 | 26.0 | 0.2157 | 0.2157 | | |
| PCB-165 | 37:49 | | | | | | 0.1744 | 0.1744 | | |
| PCB-146 | 38:07 | 10392348 | 1.25 | 1.0084 | 219.0 | 219.0 | 0.1939 | 0.1939 | | |
| PCB-161 | 38:12 | | | | | | 0.1463 | 0.1463 | | |
| PCB-153 | 38:44 | 50020171 | 1.26 | 1.2207 | 870.8 | 870.8 | 0.1602 | 0.1602 | | |
| PCB-168 (C153) | 38:44 | 50020171 | 1.26 | 1.2207 | 870.8 | 870.8 | 0.1602 | 0.1602 | | |
| PCB-141 | 38:55 | 7673411 | 1.26 | 0.9608 | 169.7 | 169.7 | 0.2035 | 0.2035 | | |
| PCB-130 | 39:20 | 3354731 | 1.29 | 0.8274 | 86.2 | 86.2 | 0.2363 | 0.2363 | | |
| PCB-137 | 39:34 | 2496070 | 1.37 | 1.0582 | 50.1 | 50.1 | 0.1848 | 0.1848 | | |
| PCB-164 | 39:41 | 4756055 | 1.20 | 1.2527 | 80.7 | 80.7 | 0.1561 | 0.1561 | | |
| PCB-129 | 39:59 | 53890987 | 1.26 | 1.0840 | 1056.5 | 1056.5 | 0.1804 | 0.1804 | | |
| PCB-138 (C129) | 39:59 | 53890987 | 1.26 | 1.0840 | 1056.5 | 1056.5 | 0.1804 | 0.1804 | | |
| PCB-160 (C129) | 39:59 | 53890987 | 1.26 | 1.0840 | 1056.5 | 1056.5 | 0.1804 | 0.1804 | | |
| PCB-163 (C129) | 39:59 | 53890987 | 1.26 | 1.0840 | 1056.5 | 1056.5 | 0.1804 | 0.1804 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:22 | 6583866 | 1.26 | 1.3862 | 100.9 | 100.9 | 0.1411 | 0.1411 | | |
| PCB-128 | 41:14 | 9431949 | 1.25 | 1.1165 | 179.5 | 179.5 | 0.1751 | 0.1751 | | |
| PCB-166 (C128) | 41:14 | 9431949 | 1.25 | 1.1165 | 179.5 | 179.5 | 0.1751 | 0.1751 | | |
| PCB-159 | 42:12 | 464106 | 1.29 | 1.3178 | 7.484 | 7.484 | 0.1484 | 0.1484 | | |
| PCB-162 | 42:27 | | | | | | 0.1435 | 0.1435 | | |
| PCB-167 | 43:00 | 2574951 | 1.26 | 1.3357 | 40.1 | 40.1 | 0.1212 | 0.1212 | | |
| PCB-156 | 44:08 | 7840879 | 1.27 | 1.2759 | 132.6 | 132.6 | 0.1859 | 0.1859 | | |
| PCB-157 (C156) | 44:08 | 7840879 | 1.27 | 1.2759 | 132.6 | 132.6 | 0.1859 | 0.1859 | | |
| PCB-169 | 47:19 | | | | | | 0.1333 | 0.1333 | | |
| S Total Heptachlorobiphen | | | | | 1727.1 | 1727.1 | 0.0364 | 0.0364 | | |
| D PCB-188L | 37:21 | 4081663 | 1.09 | 1.3162 | 84.4 | 84.4 | 0.0797 | 0.0797 | 84.43 | |
| $ PCB-178L | 40:26 | 3105785 | 1.08 | 0.9222 | 91.7 | 91.7 | 0.1138 | 0.1138 | 91.68 | |
| * PCB-180L | 45:32 | 3673181 | 1.07 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:46 | 2563022 | 1.04 | 0.8357 | 83.5 | 83.5 | 0.1255 | 0.1255 | 83.49 | |
| D PCB-189L | 49:54 | 6320282 | 1.04 | 1.4666 | 99.4 | 99.4 | 0.5808 | 0.5808 | 99.36 | |
| PCB-188 | 37:20 | | | | | | 0.0253 | 0.0253 | | |
| PCB-179 | 37:43 | 4570630 | 1.05 | 1.4149 | 97.2 | 97.2 | 0.0276 | 0.0276 | | |
| PCB-184 | 38:12 | | | | | | 0.0275 | 0.0275 | | |
| PCB-176 | 38:36 | 1364946 | 1.04 | 1.5212 | 27.0 | 27.0 | 0.0257 | 0.0257 | | |
| PCB-186 | 39:00 | | | | | | 0.0272 | 0.0272 | | |
| PCB-178 | 40:26 | 1634124 | 1.05 | 1.0228 | 48.1 | 48.1 | 0.0382 | 0.0382 | | |
| PCB-175 | 41:05 | 340253 | 1.02 | 1.0690 | 9.580 | 9.580 | 0.0366 | 0.0366 | | |
| PCB-187 | 41:21 | 9788291 | 1.05 | 1.1106 | 265.3 | 265.3 | 0.0352 | 0.0352 | | |
| PCB-182 | 41:34 | 121541 | 1.14 | 1.1484 | 3.186 | 3.186 | 0.0340 | 0.0340 | | |
| PCB-183 | 41:57 | 5237679 | 1.05 | 1.1368 | 138.7 | 138.7 | 0.0344 | 0.0344 | | |
| PCB-185 (C183) | 41:57 | 5237679 | 1.05 | 1.1368 | 138.7 | 138.7 | 0.0344 | 0.0344 | | |
| PCB-174 | 42:12 | 6886229 | 1.05 | 0.9547 | 217.1 | 217.1 | 0.0409 | 0.0409 | | |
| PCB-177 | 42:38 | 4210041 | 1.05 | 0.9426 | 134.4 | 134.4 | 0.0415 | 0.0415 | | |
| PCB-181 | 43:02 | 105692 | 1.21 | 1.1075 | 2.873 | 2.873 | 0.0353 | 0.0353 | | |
| PCB-171 | 43:16 | 2234566 | 1.04 | 0.9603 | 70.0 | 70.0 | 0.0407 | 0.0407 | | |
| PCB-173 (C171) | 43:16 | 2234566 | 1.04 | 0.9603 | 70.0 | 70.0 | 0.0407 | 0.0407 | | |
| PCB-172 | 44:53 | 1211509 | 1.06 | 0.9918 | 36.8 | 36.8 | 0.0394 | 0.0394 | | |
| PCB-192 | 45:06 | | | | | | 0.0303 | 0.0303 | | |
| PCB-180 | 45:32 | 17038358 | 1.05 | 1.2286 | 417.4 | 417.4 | 0.0318 | 0.0318 | | |
| PCB-193 (C180) | 45:32 | 17038358 | 1.05 | 1.2286 | 417.4 | 417.4 | 0.0318 | 0.0318 | | |
| PCB-191 | 45:54 | 424767 | 1.02 | 1.3848 | 9.232 | 9.232 | 0.0282 | 0.0282 | | |
| PCB-170 | 46:48 | 6639681 | 1.05 | 1.2700 | 204.0 | 204.0 | 0.0401 | 0.0401 | | |
| PCB-190 | 47:19 | 1738474 | 1.06 | 1.3774 | 38.0 | 38.0 | 0.0284 | 0.0284 | | |
| PCB-189 | 49:55 | 661401 | 1.06 | 1.2799 | 8.176 | 8.176 | 0.0956 | 0.0956 | | |
| S Total Octachlorobipheny | | | | | 405.8 | 405.8 | 0.1712 | 0.1712 | | |
| D PCB-202L | 42:44 | 3183801 | 0.95 | 1.0055 | 86.2 | 86.2 | 0.1544 | 0.1544 | 86.20 | |
| * PCB-194L | 52:01 | 4337379 | 0.94 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:29 | 4410789 | 0.90 | 1.2867 | 79.0 | 79.0 | 0.3570 | 0.3570 | 79.03 | |
| PCB-202 | 42:46 | 716167 | 0.89 | 1.0531 | 21.4 | 21.4 | 0.0791 | 0.0791 | | |
| PCB-201 | 43:41 | 496795 | 0.92 | 1.1860 | 13.2 | 13.2 | 0.0702 | 0.0702 | | |
| PCB-204 | 44:18 | | | | | | 0.0756 | 0.0756 | | |
| PCB-197 | 44:36 | 145447 | 0.93 | 1.2053 | 3.790 | 3.790 | 0.0691 | 0.0691 | | |
| PCB-200 | 44:41 | 440018 | 0.90 | 1.1260 | 12.3 | 12.3 | 0.0739 | 0.0739 | | |
| PCB-198 | 47:31 | 2706314 | 0.90 | 0.8183 | 103.9 | 103.9 | 0.1018 | 0.1018 | | |
| PCB-199 (C198) | 47:31 | 2706314 | 0.90 | 0.8183 | 103.9 | 103.9 | 0.1018 | 0.1018 | | |
| PCB-196 | 48:10 | 1316155 | 0.92 | 0.8748 | 47.3 | 47.3 | 0.0952 | 0.0952 | | |
| PCB-203 | 48:21 | 1814173 | 0.90 | 0.9219 | 61.8 | 61.8 | 0.0903 | 0.0903 | | |
| PCB-195 | 49:41 | 1425501 | 0.90 | 0.7839 | 41.2 | 41.2 | 0.4954 | 0.4954 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 52:02 | 3947834 | 0.91 | 0.9282 | 96.4 | 96.4 | 0.4184 | 0.4184 | | |
| PCB-205 | 52:30 | 249292 | 0.94 | 1.2342 | 4.579 | 4.579 | 0.3146 | 0.3146 | | |
| S Total Nonachlorobipheny | | | | | 191.8 | 127.3 | 0.1334 | 0.1334 | | RQ |
| D PCB-208L | 49:26 | 3973957 | 0.79 | 1.1383 | 80.5 | 80.5 | 0.4458 | 0.4458 | 80.49 | |
| D PCB-206L | 54:15 | 2835609 | 0.81 | 0.8938 | 73.1 | 73.1 | 0.5677 | 0.5677 | 73.14 | |
| PCB-208 | 49:27 | 573742 | 0.77 | 1.1567 | 12.5 | 12.5 | 0.1182 | 0.1182 | | |
| PCB-207 | 50:23 | 232809 | 0.76 | 1.3964 | 4.897 | 4.897 | 0.1159 | 0.1159 | | |
| PCB-206 | 54:17 | 3718362 | 0.77 | 1.1927 | 174.4 | 109.9 | 0.1661 | 0.1661 | | RQMa |
| D PCB-209L | 55:54 | 2939165 | 0.72 | 0.9809 | 69.1 | 69.1 | 0.0812 | 0.0812 | 69.09 | |
| DCB Decachlorobiphenyl | 55:55 | 925376 | 0.71 | 1.2455 | 25.3 | 25.3 | 0.0532 | 0.0532 | | |
| S Polychlorinated bipheny | | | | | 18538 | 25.3 | 0.1530 | 0.1530 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- n - Failed Sig-To-Noise Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d
Lims ID: 580-88908-A-36-F
Client ID: J5-SC1b-10to20-82719
Sample Type: Client
Inject. Date: 09-Oct-2019 19:50:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-010
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 21:40:04 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 21:41:48

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:45 | 11:46 | -1 | 0.727 | 3072822 | 1214404 | 1069 | 2672 | 1136 | | |
| 202.0766 | 11:45 | 11:46 | -1 | 0.727 | 967077 | 378852 | 2524 | 6310 | 150 | 3.18(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:56 | 13:56 | 0 | 0.862 | 3331372 | 1104062 | 1069 | 2672 | 1033 | | |
| 202.0766 | 13:56 | 13:56 | 0 | 0.862 | 1060927 | 362942 | 2524 | 6310 | 144 | 3.14(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:46 | 11:46 | -1 | 1.001 | 1487530 | 590743 | 502 | 1255 | 1177 | | |
| 190.0363 | 11:46 | 11:46 | -1 | 1.001 | 466040 | 186374 | 330 | 825 | 565 | 3.19(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:46 | 13:46 | -1 | 0.988 | 143882 | 50993 | 502 | 1255 | 102 | | |
| 190.0363 | 13:46 | 13:46 | -1 | 0.988 | 45831 | 16119 | 330 | 825 | 49 | 3.14(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:57 | 0 | 1.001 | 743841 | 245586 | 502 | 1255 | 489 | | |
| 190.0363 | 13:57 | 13:57 | 0 | 1.001 | 231422 | 76402 | 330 | 825 | 232 | 3.21(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:11 | 14:11 | 0 | 0.878 | 1199404 | 399707 | 759 | 1897 | 527 | | |
| 236.0376 | 14:11 | 14:11 | 0 | 0.878 | 771177 | 258331 | 168 | 420 | 1538 | 1.56(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:10 | 0 | | 2971574 | 910951 | 759 | 1897 | 1200 | | |
| 236.0376 | 16:09 | 16:10 | 0 | | 1825480 | 552307 | 168 | 420 | 3288 | 1.63(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:05 | 20:04 | 0 | 1.243 | 2553630 | 645523 | 759 | 1897 | 850 | | |
| 236.0376 | 20:05 | 20:04 | 0 | 1.243 | 1581896 | 399251 | 168 | 420 | 2376 | 1.61(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:12 | 14:12 | 0 | 1.001 | 251283 | 85467 | 115 | 287 | 743 | | |
| 223.9974 | 14:12 | 14:12 | 0 | 1.001 | 159436 | 53486 | 125 | 312 | 428 | 1.58(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:22 | 14:23 | -1 | 1.013 | 33206 | 10778 | 115 | 287 | 94 | | |
| 223.9974 | 14:22 | 14:23 | -1 | 1.013 | 19387 | 6964 | 125 | 312 | 56 | 1.71(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:10 | 16:10 | 0 | 1.140 | 110134 | 33830 | 115 | 287 | 294 | | |
| 223.9974 | 16:10 | 16:10 | 0 | 1.140 | 64086 | 20505 | 125 | 312 | 164 | 1.72(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:20 | 0 | 1.152 | 101050 | 30054 | 115 | 287 | 261 | | |
| 223.9974 | 16:20 | 16:20 | 0 | 1.152 | 63021 | 18873 | 125 | 312 | 151 | 1.60(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:34 | 16:34 | 0 | 1.169 | 340843 | 103673 | 115 | 287 | 902 | | |
| 223.9974 | 16:34 | 16:34 | 0 | 1.169 | 206461 | 62279 | 125 | 312 | 498 | 1.65(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:52 | 16:52 | 0 | 1.190 | 40847 | 10671 | 115 | 287 | 93 | | |
| 223.9974 | 16:53 | 16:52 | 0 | 1.191 | 25101 | 7420 | 125 | 312 | 59 | 1.63(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:00 | 17:00 | 0 | 1.199 | 1117423 | 328578 | 115 | 287 | 2857 | | |
| 223.9974 | 17:00 | 17:00 | 0 | 1.199 | 690994 | 203795 | 125 | 312 | 1630 | 1.62(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | | | | | | 115 | 287 | | | |
| 223.9974 | 18:38 | | | | | | 125 | 312 | | | |
| PCB-11 | | | | | | | | | | | Ma |
| 222.0003 | 19:29 | 19:29 | 0 | 0.970 | 82618 | 21734 | 115 | 287 | 189 | | M |
| 223.9974 | 19:29 | 19:29 | 0 | 0.970 | 50462 | 13189 | 125 | 312 | 106 | 1.64(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:48 | -2 | 0.984 | 160191 | 32035 | 115 | 287 | 279 | | |
| 223.9974 | 19:46 | 19:48 | -2 | 0.984 | 105260 | 20955 | 125 | 312 | 168 | 1.52(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:48 | -2 | 0.984 | 160191 | 32035 | 115 | 287 | 279 | | |
| 223.9974 | 19:46 | 19:48 | -2 | 0.984 | 105260 | 20955 | 125 | 312 | 168 | 1.52(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:06 | 0 | 1.001 | 608500 | 151539 | 115 | 287 | 1318 | | |
| 223.9974 | 20:06 | 20:06 | 0 | 1.001 | 379630 | 95920 | 125 | 312 | 767 | 1.60(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:18 | 17:18 | 0 | 0.841 | 759350 | 217166 | 602 | 1505 | 361 | | |
| 269.9986 | 17:18 | 17:18 | 0 | 0.841 | 727617 | 208155 | 363 | 907 | 573 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:34 | 20:33 | 0 | | 1712884 | 424979 | 602 | 1505 | 706 | | |
| 269.9986 | 20:34 | 20:33 | 0 | | 1613277 | 400901 | 363 | 907 | 1104 | 1.06(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:50 | 22:49 | 1 | | 5167949 | 1261385 | 979 | 2447 | 1288 | | |
| 269.9986 | 22:50 | 22:49 | 1 | | 4803250 | 1185779 | 792 | 1980 | 1497 | 1.08(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:07 | 23:07 | 1 | 1.013 | 4466444 | 1094758 | 979 | 2447 | 1118 | | |
| 269.9986 | 23:07 | 23:07 | 1 | 1.013 | 4176159 | 999092 | 792 | 1980 | 1261 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:09 | 27:08 | 2 | 1.189 | 4261182 | 927683 | 979 | 2447 | 948 | | |
| 269.9986 | 27:09 | 27:08 | 2 | 1.189 | 3869948 | 836563 | 792 | 1980 | 1056 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | 17:18 | 0 | 1.001 | 48448 | 14264 | 60 | 150 | 238 | | |
| 257.9584 | 17:18 | 17:18 | 0 | 1.001 | 50072 | 14881 | 47 | 117 | 317 | 0.97(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:09 | 2 | 1.110 | 580541 | 151409 | 60 | 150 | 2523 | | |
| 257.9584 | 19:11 | 19:09 | 1 | 1.109 | 550176 | 144881 | 47 | 117 | 3083 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:09 | 2 | 1.110 | 580541 | 151409 | 60 | 150 | 2523 | | |
| 257.9584 | 19:11 | 19:09 | 1 | 1.109 | 550176 | 144881 | 47 | 117 | 3083 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | 19:36 | 0 | 1.133 | 339076 | 89496 | 60 | 150 | 1492 | | |
| 257.9584 | 19:36 | 19:36 | 0 | 1.133 | 322735 | 83432 | 47 | 117 | 1775 | 1.05(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:49 | 19:48 | 0 | 1.146 | 63636 | 15832 | 60 | 150 | 264 | | |
| 257.9584 | 19:49 | 19:48 | 0 | 1.146 | 57975 | 14505 | 47 | 117 | 309 | 1.10(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:57 | 19:56 | 0 | 1.153 | 8904 | 2995 | 60 | 150 | 50 | | |
| 257.9584 | 19:57 | 19:56 | 0 | 1.153 | 8942 | 2569 | 47 | 117 | 55 | 1.00(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:03 | 20:03 | 0 | 1.160 | 175104 | 46343 | 60 | 150 | 772 | | |
| 257.9584 | 20:03 | 20:03 | 0 | 1.160 | 164398 | 42536 | 47 | 117 | 905 | 1.07(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | 20:34 | 0 | 1.190 | 380904 | 98832 | 60 | 150 | 1647 | | |
| 257.9584 | 20:34 | 20:34 | 0 | 1.190 | 357592 | 93844 | 47 | 117 | 1997 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:51 | 21:49 | 1 | 1.264 | 78321 | 19163 | 2953 | 7382 | 6 | | |
| 257.9584 | 21:51 | 21:49 | 1 | 1.264 | 71155 | 18187 | 2315 | 5787 | 8 | 1.10(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | | | | | | 2953 | 7382 | | | |
| 257.9584 | 21:58 | | | | | | 2315 | 5787 | | | |
| PCB-26 | | | | | | | | | | | M |
| 255.9613 | 22:18 | 22:17 | 0 | 1.289 | 947291 | 233889 | 2953 | 7382 | 79 | | M |
| 257.9584 | 22:18 | 22:17 | 0 | 1.289 | 881966 | 217391 | 2315 | 5787 | 94 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | M |
| 255.9613 | 22:18 | 22:17 | 0 | 1.289 | 947291 | 233889 | 2953 | 7382 | 79 | | M |
| 257.9584 | 22:18 | 22:17 | 0 | 1.289 | 881966 | 217391 | 2315 | 5787 | 94 | 1.07(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | Ma |
| 255.9613 | 22:32 | 22:32 | 0 | 0.830 | 670463 | 158982 | 2953 | 7382 | 54 | | M |
| 257.9584 | 22:32 | 22:32 | 0 | 0.830 | 619806 | 146745 | 2315 | 5787 | 63 | 1.08(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:51 | 22:52 | 1 | 0.842 | 3932698 | 949192 | 2953 | 7382 | 321 | | |
| 257.9584 | 22:51 | 22:52 | 1 | 0.842 | 3666064 | 884932 | 2315 | 5787 | 382 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:09 | 23:10 | 0 | 0.853 | 5600017 | 1322965 | 2953 | 7382 | 448 | | |
| 257.9584 | 23:09 | 23:10 | 0 | 0.853 | 5243910 | 1238981 | 2315 | 5787 | 535 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:09 | 23:10 | 0 | 0.853 | 5600017 | 1322965 | 2953 | 7382 | 448 | | |
| 257.9584 | 23:09 | 23:10 | 0 | 0.853 | 5243910 | 1238981 | 2315 | 5787 | 535 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:23 | 23:24 | 1 | 0.862 | 2419095 | 562309 | 2953 | 7382 | 190 | | |
| 257.9584 | 23:23 | 23:24 | 1 | 0.862 | 2255270 | 526488 | 2315 | 5787 | 227 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:23 | 23:24 | 1 | 0.862 | 2419095 | 562309 | 2953 | 7382 | 190 | | |
| 257.9584 | 23:23 | 23:24 | 1 | 0.862 | 2255270 | 526488 | 2315 | 5787 | 227 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:46 | 23:48 | 0 | 0.876 | 995218 | 233581 | 2953 | 7382 | 79 | | |
| 257.9584 | 23:46 | 23:48 | 0 | 0.876 | 936562 | 224298 | 2315 | 5787 | 97 | 1.06(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | RnQMa |
| 255.9613 | 25:21 | 25:21 | 1 | 0.934 | 23275 | 7080 | 2953 | 7382 | 2 | | M |
| 257.9584 | 25:21 | 25:21 | 1 | 0.934 | 26835 | 6279 | 2315 | 5787 | 3 | 0.87(0.88-1.20) | |
| | Empc Correction | | | | 22379 | 6807 | 2315 | 5787 | 3 | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:42 | 25:43 | 1 | 0.947 | 188164 | 40171 | 2953 | 7382 | 14 | | |
| 257.9584 | 25:42 | 25:43 | 1 | 0.947 | 195906 | 40353 | 2315 | 5787 | 17 | 0.96(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:17 | | | | | | 2953 | 7382 | | | |
| 257.9584 | 26:17 | | | | | | 2315 | 5787 | | | |
| PCB-35 | | | | | | | | | | | Ma |
| 255.9613 | 26:45 | 26:45 | 1 | 0.985 | 115696 | 27457 | 2953 | 7382 | 9 | | M |
| 257.9584 | 26:45 | 26:45 | 1 | 0.985 | 111542 | 26157 | 2315 | 5787 | 11 | 1.04(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:09 | 27:10 | 1 | 1.000 | 1305531 | 276393 | 2953 | 7382 | 94 | | |
| 257.9584 | 27:09 | 27:10 | 1 | 1.000 | 1223610 | 263704 | 2315 | 5787 | 114 | 1.07(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:23 | 20:23 | 0 | 0.816 | 726212 | 183856 | 72 | 180 | 2554 | | |
| 303.9597 | 20:23 | 20:23 | 0 | 0.816 | 889901 | 226367 | 45 | 112 | 5030 | 0.82(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:58 | 24:57 | 1 | | 2277003 | 525393 | 326 | 815 | 1612 | | |
| 303.9597 | 24:58 | 24:57 | 1 | | 2821015 | 654284 | 467 | 1167 | 1401 | 0.81(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:55 | 33:54 | 3 | 1.359 | 2384403 | 488776 | 326 | 815 | 1499 | | |
| 303.9597 | 33:55 | 33:54 | 3 | 1.359 | 3044293 | 623001 | 467 | 1167 | 1334 | 0.78(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:29 | 34:27 | 3 | 1.381 | 2574800 | 530787 | 326 | 815 | 1628 | | |
| 303.9597 | 34:29 | 34:27 | 3 | 1.381 | 3142278 | 641823 | 467 | 1167 | 1374 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:24 | 0 | 1.000 | 21018 | 5630 | 19 | 47 | 296 | | |
| 291.9194 | 20:24 | 20:24 | 0 | 1.000 | 28150 | 6980 | 25 | 62 | 279 | 0.75(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:35 | 0 | 1.108 | 1102199 | 264355 | 547 | 1367 | 483 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.107 | 1391794 | 333292 | 484 | 1210 | 689 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:35 | 0 | 1.108 | 1102199 | 264355 | 547 | 1367 | 483 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.107 | 1391794 | 333292 | 484 | 1210 | 689 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:19 | 23:19 | 1 | 1.145 | 939970 | 156994 | 547 | 1367 | 287 | | M |
| 291.9194 | 23:19 | 23:19 | 0 | 1.144 | 1179544 | 197404 | 484 | 1210 | 408 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:19 | 23:19 | 1 | 1.145 | 939970 | 156994 | 547 | 1367 | 287 | | M |
| 291.9194 | 23:19 | 23:19 | 0 | 1.144 | 1179544 | 197404 | 484 | 1210 | 408 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:33 | 23:33 | 0 | 1.156 | 206207 | 50278 | 547 | 1367 | 92 | | |
| 291.9194 | 23:33 | 23:33 | 0 | 1.156 | 253036 | 60613 | 484 | 1210 | 125 | 0.81(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | Ma |
| 289.9224 | 24:59 | 24:59 | 2 | 1.227 | 16791481 | 3849232 | 547 | 1367 | 7037 | | M |
| 291.9194 | 24:59 | 24:59 | 1 | 1.226 | 21256136 | 4933107 | 484 | 1210 | 10192 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:13 | 25:13 | 6 | 1.238 | 210983 | 25134 | 547 | 1367 | 46 | | a |
| 291.9194 | 25:13 | 25:13 | 6 | 1.238 | 266275 | 32614 | 484 | 1210 | 67 | 0.79(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:13 | 25:13 | 6 | 1.238 | 210983 | 25134 | 547 | 1367 | 46 | | a |
| 291.9194 | 25:13 | 25:13 | 6 | 1.238 | 266275 | 32614 | 484 | 1210 | 67 | 0.79(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:28 | 25:26 | 3 | 1.250 | 9742415 | 2228140 | 547 | 1367 | 4073 | | |
| 291.9194 | 25:28 | 25:26 | 3 | 1.250 | 12099683 | 2773350 | 484 | 1210 | 5730 | 0.81(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:28 | 25:26 | 3 | 1.250 | 9742415 | 2228140 | 547 | 1367 | 4073 | | |
| 291.9194 | 25:28 | 25:26 | 3 | 1.250 | 12099683 | 2773350 | 484 | 1210 | 5730 | 0.81(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:45 | 25:45 | 1 | 1.264 | 532595 | 117418 | 547 | 1367 | 215 | | |
| 291.9194 | 25:45 | 25:45 | 1 | 1.264 | 652417 | 147294 | 484 | 1210 | 304 | 0.82(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:59 | 26:00 | 0 | 1.275 | 11174347 | 1584576 | 547 | 1367 | 2897 | | |
| 291.9194 | 25:59 | 26:00 | 0 | 1.275 | 13857877 | 1967259 | 484 | 1210 | 4065 | 0.81(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 26:00 | 0 | 1.275 | 11174347 | 1584576 | 547 | 1367 | 2897 | | |
| 291.9194 | 25:59 | 26:00 | 0 | 1.275 | 13857877 | 1967259 | 484 | 1210 | 4065 | 0.81(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 26:00 | 0 | 1.275 | 11174347 | 1584576 | 547 | 1367 | 2897 | | |
| 291.9194 | 25:59 | 26:00 | 0 | 1.275 | 13857877 | 1967259 | 484 | 1210 | 4065 | 0.81(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:17 | 3 | 1.293 | 655502 | 107322 | 547 | 1367 | 196 | | |
| 291.9194 | 26:20 | 26:17 | 3 | 1.293 | 805431 | 134429 | 484 | 1210 | 278 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:17 | 3 | 1.293 | 655502 | 107322 | 547 | 1367 | 196 | | |
| 291.9194 | 26:20 | 26:17 | 3 | 1.293 | 805431 | 134429 | 484 | 1210 | 278 | 0.81(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:17 | 3 | 1.293 | 655502 | 107322 | 547 | 1367 | 196 | | |
| 291.9194 | 26:20 | 26:17 | 3 | 1.293 | 805431 | 134429 | 484 | 1210 | 278 | 0.81(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:30 | 26:30 | 1 | 1.301 | 1721271 | 390246 | 547 | 1367 | 713 | | |
| 291.9194 | 26:30 | 26:30 | 1 | 1.301 | 2184779 | 503709 | 484 | 1210 | 1041 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 27:00 | 27:00 | 1 | 1.325 | 2698020 | 574951 | 547 | 1367 | 1051 | | M |
| 291.9194 | 27:00 | 27:00 | 1 | 1.325 | 3383305 | 723112 | 484 | 1210 | 1494 | 0.80(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:00 | 27:00 | 1 | 1.325 | 2698020 | 574951 | 547 | 1367 | 1051 | | M |
| 291.9194 | 27:00 | 27:00 | 1 | 1.325 | 3383305 | 723112 | 484 | 1210 | 1494 | 0.80(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:00 | 27:00 | 1 | 1.325 | 2698020 | 574951 | 547 | 1367 | 1051 | | M |
| 291.9194 | 27:00 | 27:00 | 1 | 1.325 | 3383305 | 723112 | 484 | 1210 | 1494 | 0.80(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:13 | 27:12 | 1 | 1.336 | 3661627 | 809335 | 547 | 1367 | 1480 | | |
| 291.9194 | 27:13 | 27:12 | 1 | 1.336 | 4609770 | 1014883 | 484 | 1210 | 2097 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:04 | 28:05 | 2 | 0.828 | 758446 | 172901 | 547 | 1367 | 316 | | |
| 291.9194 | 28:04 | 28:05 | 2 | 0.828 | 945331 | 214052 | 484 | 1210 | 442 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:22 | 28:22 | 2 | 0.836 | 446059 | 95311 | 547 | 1367 | 174 | | |
| 291.9194 | 28:21 | 28:22 | 1 | 0.836 | 557376 | 118516 | 484 | 1210 | 245 | 0.80(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:47 | | | | | | 547 | 1367 | | | |
| 291.9194 | 28:47 | | | | | | 484 | 1210 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:01 | 29:01 | 2 | 0.855 | 147837 | 39115 | 547 | 1367 | 72 | | |
| 291.9194 | 29:01 | 29:01 | 2 | 0.855 | 179796 | 50184 | 484 | 1210 | 104 | 0.82(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:11 | 29:11 | 2 | 0.860 | 187887 | 33883 | 547 | 1367 | 62 | | |
| 291.9194 | 29:11 | 29:11 | 2 | 0.860 | 242500 | 43212 | 484 | 1210 | 89 | 0.77(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:27 | 29:27 | 2 | 0.868 | 431805 | 96099 | 547 | 1367 | 176 | | |
| 291.9194 | 29:27 | 29:27 | 2 | 0.868 | 545896 | 121076 | 484 | 1210 | 250 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 19817285 | 3518472 | 547 | 1367 | 6432 | | |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 25043841 | 4524287 | 484 | 1210 | 9348 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 19817285 | 3518472 | 547 | 1367 | 6432 | | |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 25043841 | 4524287 | 484 | 1210 | 9348 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 19817285 | 3518472 | 547 | 1367 | 6432 | | |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 25043841 | 4524287 | 484 | 1210 | 9348 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:47 | 1 | 0.878 | 19817285 | 3518472 | 547 | 1367 | 6432 | | |
| 291.9194 | 29:47 | 29:47 | 1 | 0.878 | 25043841 | 4524287 | 484 | 1210 | 9348 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | Ma |
| 289.9224 | 30:07 | 30:07 | 2 | 0.888 | 10422019 | 2144792 | 547 | 1367 | 3921 | | M |
| 291.9194 | 30:07 | 30:07 | 2 | 0.888 | 12991629 | 2673488 | 484 | 1210 | 5524 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | Ma |
| 289.9224 | 30:13 | 30:13 | -1 | 0.891 | 65949 | 12477 | 547 | 1367 | 23 | | M |
| 291.9194 | 30:13 | 30:13 | -1 | 0.891 | 90061 | 15373 | 484 | 1210 | 32 | 0.73(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:46 | 30:47 | 2 | 0.907 | 2546077 | 550224 | 547 | 1367 | 1006 | | |
| 291.9194 | 30:46 | 30:47 | 2 | 0.907 | 3206580 | 690822 | 484 | 1210 | 1427 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:59 | 31:00 | 2 | 0.914 | 408713 | 87157 | 547 | 1367 | 159 | | |
| 291.9194 | 30:59 | 31:00 | 2 | 0.914 | 488432 | 108026 | 484 | 1210 | 223 | 0.84(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:25 | | | | | | 547 | 1367 | | | |
| 291.9194 | 31:25 | | | | | | 484 | 1210 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:57 | 32:56 | 4 | 0.971 | 599179 | 124611 | 547 | 1367 | 228 | | |
| 291.9194 | 32:57 | 32:56 | 4 | 0.971 | 771091 | 158709 | 484 | 1210 | 328 | 0.78(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:30 | | | | | | 547 | 1367 | | | |
| 291.9194 | 33:30 | | | | | | 484 | 1210 | | | |
| PCB-81 | | | | | | | | | | | Ma |
| 289.9224 | 33:54 | 33:54 | 1 | 1.000 | 29960 | 13380 | 547 | 1367 | 24 | | M |
| 291.9194 | 33:54 | 33:54 | 1 | 1.000 | 34787 | 14221 | 484 | 1210 | 29 | 0.86(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:30 | 34:30 | 3 | 1.001 | 870005 | 183836 | 547 | 1367 | 336 | | |
| 291.9194 | 34:30 | 34:30 | 3 | 1.001 | 1089802 | 228958 | 484 | 1210 | 473 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:54 | 25:56 | 1 | 0.814 | 2239430 | 519678 | 97 | 242 | 5358 | | |
| 339.9178 | 25:54 | 25:56 | 1 | 0.814 | 1429603 | 322488 | 61 | 152 | 5287 | 1.57(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:50 | 31:48 | 3 | | 2253854 | 485335 | 97 | 242 | 5003 | | |
| 339.9178 | 31:50 | 31:48 | 3 | | 1386355 | 294843 | 61 | 152 | 4833 | 1.63(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:32 | 34:32 | 4 | 1.085 | 2445938 | 523777 | 97 | 242 | 5400 | | |
| 339.9178 | 34:32 | 34:32 | 4 | 1.085 | 1554629 | 322923 | 61 | 152 | 5294 | 1.57(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:30 | 36:30 | 4 | 1.146 | 3542159 | 715049 | 2534 | 6335 | 282 | | |
| 339.9178 | 36:29 | 36:30 | 3 | 1.146 | 2229359 | 445355 | 1553 | 3882 | 287 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:50 | 36:50 | 4 | 1.157 | 3758853 | 772628 | 2534 | 6335 | 305 | | |
| 339.9178 | 36:50 | 36:50 | 4 | 1.157 | 2340159 | 480110 | 1553 | 3882 | 309 | 1.61(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:21 | 37:21 | 4 | 1.173 | 3562412 | 730882 | 2534 | 6335 | 288 | | |
| 339.9178 | 37:21 | 37:21 | 4 | 1.173 | 2261178 | 469732 | 1553 | 3882 | 302 | 1.58(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 38:00 | 38:00 | 3 | 1.193 | 3603735 | 732570 | 2534 | 6335 | 289 | | |
| 339.9178 | 38:00 | 38:00 | 3 | 1.193 | 2253690 | 449522 | 1553 | 3882 | 289 | 1.60(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:29 | 39:26 | 4 | | 4165589 | 819663 | 2534 | 6335 | 323 | | |
| 339.9178 | 39:30 | 39:26 | 4 | | 2565215 | 508352 | 1553 | 3882 | 327 | 1.62(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:06 | 41:06 | 4 | 1.291 | 3610198 | 713842 | 2534 | 6335 | 282 | | |
| 339.9178 | 41:06 | 41:06 | 4 | 1.291 | 2251793 | 444207 | 1553 | 3882 | 286 | 1.60(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:56 | | | | | | 61 | 152 | | | |
| 327.8775 | 25:56 | | | | | | 52 | 130 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:18 | 26:18 | 1 | 1.015 | 242659 | 54062 | 61 | 152 | 886 | | |
| 327.8775 | 26:18 | 26:18 | 1 | 1.015 | 148173 | 32016 | 52 | 130 | 616 | 1.64(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:15 | 28:14 | 2 | 1.090 | 718860 | 162183 | 61 | 152 | 2659 | | |
| 327.8775 | 28:15 | 28:14 | 2 | 1.090 | 443595 | 96201 | 52 | 130 | 1850 | 1.62(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | Ma |
| 325.8804 | 28:28 | 28:28 | 1 | 1.099 | 166649 | 35774 | 61 | 152 | 586 | | M |
| 327.8775 | 28:28 | 28:28 | 1 | 1.099 | 107366 | 22898 | 52 | 130 | 440 | 1.55(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:55 | 28:54 | 2 | 1.116 | 22980647 | 5047755 | 61 | 152 | 82750 | | |
| 327.8775 | 28:55 | 28:54 | 2 | 1.116 | 14483520 | 3118953 | 52 | 130 | 59980 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:08 | 1 | 1.124 | 608776 | 120059 | 61 | 152 | 1968 | | |
| 327.8775 | 29:08 | 29:08 | 1 | 1.124 | 363148 | 73476 | 52 | 130 | 1413 | 1.68(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:08 | 1 | 1.124 | 608776 | 120059 | 61 | 152 | 1968 | | |
| 327.8775 | 29:08 | 29:08 | 1 | 1.124 | 363148 | 73476 | 52 | 130 | 1413 | 1.68(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:16 | 29:16 | 1 | 1.130 | 1092806 | 190221 | 61 | 152 | 3118 | | |
| 327.8775 | 29:16 | 29:16 | 1 | 1.130 | 688317 | 120855 | 52 | 130 | 2324 | 1.59(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:16 | 29:16 | 1 | 1.130 | 1092806 | 190221 | 61 | 152 | 3118 | | |
| 327.8775 | 29:16 | 29:16 | 1 | 1.130 | 688317 | 120855 | 52 | 130 | 2324 | 1.59(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:47 | 29:46 | 2 | 1.149 | 4729137 | 1026685 | 61 | 152 | 16831 | | |
| 327.8775 | 29:47 | 29:46 | 2 | 1.149 | 2978867 | 653145 | 52 | 130 | 12560 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:47 | 29:46 | 2 | 1.149 | 4729137 | 1026685 | 61 | 152 | 16831 | | |
| 327.8775 | 29:47 | 29:46 | 2 | 1.149 | 2978867 | 653145 | 52 | 130 | 12560 | 1.59(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:00 | 29:59 | 2 | 1.158 | 6785264 | 1455016 | 61 | 152 | 23853 | | |
| 327.8775 | 30:00 | 29:59 | 2 | 1.158 | 4305292 | 925523 | 52 | 130 | 17799 | 1.58(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:28 | 30:28 | 1 | 1.176 | 175870 | 32815 | 61 | 152 | 538 | | |
| 327.8775 | 30:29 | 30:28 | 2 | 1.176 | 120094 | 21356 | 52 | 130 | 411 | 1.46(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:53 | | | | | | 61 | 152 | | | |
| 327.8775 | 30:53 | | | | | | 52 | 130 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:17 | 31:17 | 3 | 0.857 | 5955323 | 1275725 | 61 | 152 | 20914 | | |
| 327.8775 | 31:17 | 31:17 | 3 | 0.857 | 3776991 | 808969 | 52 | 130 | 15557 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:50 | 4 | 1.230 | 32238941 | 6902526 | 61 | 152 | 113156 | | |
| 327.8775 | 31:52 | 31:50 | 4 | 1.230 | 20136025 | 4233593 | 52 | 130 | 81415 | 1.60(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:50 | 4 | 1.230 | 32238941 | 6902526 | 61 | 152 | 113156 | | |
| 327.8775 | 31:52 | 31:50 | 4 | 1.230 | 20136025 | 4233593 | 52 | 130 | 81415 | 1.60(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:50 | 4 | 1.230 | 32238941 | 6902526 | 61 | 152 | 113156 | | |
| 327.8775 | 31:52 | 31:50 | 4 | 1.230 | 20136025 | 4233593 | 52 | 130 | 81415 | 1.60(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:26 | 32:26 | 2 | 1.252 | 15708254 | 2950112 | 61 | 152 | 48362 | | M |
| 327.8775 | 32:26 | 32:26 | 2 | 1.252 | 10083398 | 1906700 | 52 | 130 | 36667 | 1.56(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:26 | 32:26 | 2 | 1.252 | 15708254 | 2950112 | 61 | 152 | 48362 | | M |
| 327.8775 | 32:26 | 32:26 | 2 | 1.252 | 10083398 | 1906700 | 52 | 130 | 36667 | 1.56(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:33 | | | | | | 61 | 152 | | | |
| 327.8775 | 32:33 | | | | | | 52 | 130 | | | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 4 | 1.272 | 17861914 | 1938765 | 61 | 152 | 31783 | | M |
| 327.8775 | 32:57 | 32:57 | 4 | 1.272 | 11490826 | 1251149 | 52 | 130 | 24061 | 1.55(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 4 | 1.272 | 17861914 | 1938765 | 61 | 152 | 31783 | | M |
| 327.8775 | 32:57 | 32:57 | 4 | 1.272 | 11490826 | 1251149 | 52 | 130 | 24061 | 1.55(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 4 | 1.272 | 17861914 | 1938765 | 61 | 152 | 31783 | | M |
| 327.8775 | 32:57 | 32:57 | 4 | 1.272 | 11490826 | 1251149 | 52 | 130 | 24061 | 1.55(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 4 | 1.272 | 17861914 | 1938765 | 61 | 152 | 31783 | | M |
| 327.8775 | 32:57 | 32:57 | 4 | 1.272 | 11490826 | 1251149 | 52 | 130 | 24061 | 1.55(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 4 | 1.272 | 17861914 | 1938765 | 61 | 152 | 31783 | | M |
| 327.8775 | 32:57 | 32:57 | 4 | 1.272 | 11490826 | 1251149 | 52 | 130 | 24061 | 1.55(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 4 | 1.272 | 17861914 | 1938765 | 61 | 152 | 31783 | | M |
| 327.8775 | 32:57 | 32:57 | 4 | 1.272 | 11490826 | 1251149 | 52 | 130 | 24061 | 1.55(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:39 | 3 | 1.300 | 4092738 | 673296 | 61 | 152 | 11038 | | |
| 327.8775 | 33:40 | 33:39 | 3 | 1.300 | 2584462 | 423497 | 52 | 130 | 8144 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:39 | 3 | 1.300 | 4092738 | 673296 | 61 | 152 | 11038 | | |
| 327.8775 | 33:40 | 33:39 | 3 | 1.300 | 2584462 | 423497 | 52 | 130 | 8144 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:39 | 3 | 1.300 | 4092738 | 673296 | 61 | 152 | 11038 | | |
| 327.8775 | 33:40 | 33:39 | 3 | 1.300 | 2584462 | 423497 | 52 | 130 | 8144 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:54 | -2 | 1.306 | 38379448 | 8092400 | 61 | 152 | 132662 | | |
| 327.8775 | 33:50 | 33:54 | -2 | 1.306 | 24027032 | 5010907 | 52 | 130 | 96364 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:54 | -2 | 1.306 | 38379448 | 8092400 | 61 | 152 | 132662 | | |
| 327.8775 | 33:50 | 33:54 | -2 | 1.306 | 24027032 | 5010907 | 52 | 130 | 96364 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:09 | 34:08 | 2 | 1.318 | 2012298 | 388647 | 61 | 152 | 6371 | | |
| 327.8775 | 34:09 | 34:08 | 2 | 1.318 | 1289698 | 250852 | 52 | 130 | 4824 | 1.56(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:32 | | | | | | 61 | 152 | | | |
| 327.8775 | 34:32 | | | | | | 52 | 130 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:01 | 34:59 | 4 | 1.352 | 432482 | 80010 | 61 | 152 | 1312 | | |
| 327.8775 | 35:01 | 34:59 | 4 | 1.352 | 270495 | 49358 | 52 | 130 | 949 | 1.60(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:08 | 4 | 1.396 | 1478450 | 302931 | 2283 | 5707 | 133 | | |
| 327.8775 | 36:10 | 36:08 | 4 | 1.396 | 946259 | 188775 | 1516 | 3790 | 125 | 1.56(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:08 | 4 | 1.396 | 1478450 | 302931 | 2283 | 5707 | 133 | | |
| 327.8775 | 36:10 | 36:08 | 4 | 1.396 | 946259 | 188775 | 1516 | 3790 | 125 | 1.56(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:24 | 36:23 | 3 | 1.405 | 4052723 | 798870 | 2283 | 5707 | 350 | | |
| 327.8775 | 36:24 | 36:23 | 3 | 1.405 | 2549739 | 506676 | 1516 | 3790 | 334 | 1.59(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:31 | 36:32 | 3 | 1.000 | 506909 | 117326 | 2283 | 5707 | 51 | | |
| 327.8775 | 36:31 | 36:32 | 3 | 1.000 | 316304 | 74611 | 1516 | 3790 | 49 | 1.60(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:39 | | | | | | 2283 | 5707 | | | |
| 327.8775 | 36:39 | | | | | | 1516 | 3790 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:51 | 36:51 | 4 | 1.001 | 42481103 | 8674883 | 2283 | 5707 | 3800 | | |
| 327.8775 | 36:51 | 36:51 | 4 | 1.001 | 26577269 | 5360881 | 1516 | 3790 | 3536 | 1.60(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:12 | 37:12 | 4 | 1.010 | 431068 | 83094 | 2283 | 5707 | 36 | | |
| 327.8775 | 37:12 | 37:12 | 4 | 1.010 | 284412 | 52157 | 1516 | 3790 | 34 | 1.52(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:23 | 37:23 | 4 | 1.001 | 811451 | 138392 | 2283 | 5707 | 61 | | |
| 327.8775 | 37:23 | 37:23 | 4 | 1.001 | 486199 | 85850 | 1516 | 3790 | 57 | 1.67(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:01 | 38:01 | 3 | 1.001 | 11374716 | 2221913 | 2283 | 5707 | 973 | | |
| 327.8775 | 38:01 | 38:01 | 3 | 1.001 | 7306672 | 1441771 | 1516 | 3790 | 951 | 1.56(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | M |
| 325.8804 | 39:30 | | | | | | 2283 | 5707 | | | |
| 327.8775 | 39:30 | | | | | | 1516 | 3790 | | | |
| PCB-126 | | | | | | | | | | | Ma |
| 325.8804 | 41:07 | 41:07 | 4 | 1.001 | 179301 | 37828 | 2283 | 5707 | 17 | | M |
| 327.8775 | 41:07 | 41:07 | 4 | 1.001 | 110057 | 22529 | 1516 | 3790 | 15 | 1.63(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:37 | 31:37 | 2 | 0.791 | 2014106 | 418994 | 137 | 342 | 3058 | | |
| 373.8788 | 31:37 | 31:37 | 2 | 0.791 | 1567298 | 324267 | 116 | 290 | 2795 | 1.29(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:57 | 39:54 | 4 | | 2549937 | 509583 | 735 | 1837 | 693 | | |
| 373.8788 | 39:57 | 39:54 | 4 | | 1984013 | 400223 | 597 | 1492 | 670 | 1.29(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:59 | 42:58 | 4 | 1.076 | 2697582 | 545671 | 735 | 1837 | 742 | | |
| 373.8788 | 42:59 | 42:58 | 4 | 1.076 | 2104721 | 430101 | 597 | 1492 | 720 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:08 | 44:07 | 4 | 1.104 | 5205658 | 752140 | 735 | 1837 | 1023 | | |
| 373.8788 | 44:07 | 44:07 | 3 | 1.104 | 4062880 | 579925 | 597 | 1492 | 971 | 1.28(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:08 | 44:07 | 4 | 1.104 | 5205658 | 752140 | 735 | 1837 | 1023 | | |
| 373.8788 | 44:07 | 44:07 | 3 | 1.104 | 4062880 | 579925 | 597 | 1492 | 971 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:22 | 47:22 | 4 | 1.185 | 2633644 | 517922 | 735 | 1837 | 705 | | |
| 373.8788 | 47:22 | 47:22 | 4 | 1.185 | 2117951 | 406236 | 597 | 1492 | 680 | 1.24(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:38 | | | | | | 87 | 217 | | | |
| 361.8385 | 31:38 | | | | | | 66 | 165 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:49 | 31:50 | 1 | 1.006 | 33495 | 6584 | 87 | 217 | 76 | | |
| 361.8385 | 31:49 | 31:50 | 1 | 1.006 | 25513 | 5634 | 66 | 165 | 85 | 1.31(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:00 | 32:00 | 2 | 1.012 | 142070 | 29667 | 87 | 217 | 341 | | |
| 361.8385 | 32:00 | 32:00 | 2 | 1.012 | 116458 | 24059 | 66 | 165 | 365 | 1.22(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:21 | 32:21 | 2 | 1.023 | 3704311 | 785145 | 87 | 217 | 9025 | | |
| 361.8385 | 32:21 | 32:21 | 2 | 1.023 | 2935037 | 616588 | 66 | 165 | 9342 | 1.26(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | Ma |
| 359.8415 | 32:39 | 32:39 | 1 | 1.033 | 17442 | 2647 | 87 | 217 | 30 | | M |
| 361.8385 | 32:39 | 32:39 | 1 | 1.033 | 13538 | 2475 | 66 | 165 | 38 | 1.29(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:11 | 34:10 | 3 | 1.081 | 92020 | 18740 | 87 | 217 | 215 | | |
| 361.8385 | 34:11 | 34:10 | 3 | 1.081 | 79481 | 15634 | 66 | 165 | 237 | 1.16(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:46 | 34:49 | 0 | 1.100 | 6065537 | 783335 | 87 | 217 | 9004 | | |
| 361.8385 | 34:45 | 34:49 | -1 | 1.099 | 4804011 | 618010 | 66 | 165 | 9364 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:46 | 34:49 | 0 | 1.100 | 6065537 | 783335 | 87 | 217 | 9004 | | |
| 361.8385 | 34:45 | 34:49 | -1 | 1.099 | 4804011 | 618010 | 66 | 165 | 9364 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:02 | 35:02 | 3 | 1.108 | 677624 | 137085 | 87 | 217 | 1576 | | |
| 361.8385 | 35:02 | 35:02 | 3 | 1.108 | 539722 | 109340 | 66 | 165 | 1657 | 1.26(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:20 | 35:20 | 3 | 1.118 | 702269 | 141379 | 87 | 217 | 1625 | | |
| 361.8385 | 35:20 | 35:20 | 3 | 1.118 | 558499 | 113085 | 66 | 165 | 1713 | 1.26(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:42 | 2 | 1.129 | 23260892 | 4696345 | 357 | 892 | 13155 | | |
| 361.8385 | 35:42 | 35:42 | 2 | 1.129 | 18469119 | 3708283 | 275 | 687 | 13485 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:42 | 2 | 1.129 | 23260892 | 4696345 | 357 | 892 | 13155 | | |
| 361.8385 | 35:42 | 35:42 | 2 | 1.129 | 18469119 | 3708283 | 275 | 687 | 13485 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | a |
| 359.8415 | 35:54 | 35:54 | -3 | 1.136 | 1692927 | 311889 | 357 | 892 | 874 | | a |
| 361.8385 | 35:53 | 35:54 | -3 | 1.135 | 1360558 | 245673 | 275 | 687 | 893 | 1.24(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | a |
| 359.8415 | 35:54 | 35:54 | -3 | 1.136 | 1692927 | 311889 | 357 | 892 | 874 | | a |
| 361.8385 | 35:53 | 35:54 | -3 | 1.135 | 1360558 | 245673 | 275 | 687 | 893 | 1.24(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:17 | 3 | 1.148 | 676074 | 124906 | 357 | 892 | 350 | | |
| 361.8385 | 36:18 | 36:17 | 3 | 1.148 | 543893 | 99222 | 275 | 687 | 361 | 1.24(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:17 | 3 | 1.148 | 676074 | 124906 | 357 | 892 | 350 | | |
| 361.8385 | 36:18 | 36:17 | 3 | 1.148 | 543893 | 99222 | 275 | 687 | 361 | 1.24(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:30 | 36:30 | 3 | 1.155 | 390199 | 74777 | 357 | 892 | 209 | | |
| 361.8385 | 36:30 | 36:30 | 3 | 1.155 | 314283 | 59437 | 275 | 687 | 216 | 1.24(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:38 | | | | | | 357 | 892 | | | |
| 361.8385 | 36:38 | | | | | | 275 | 687 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:58 | 36:57 | 3 | 1.169 | 9275477 | 1887046 | 357 | 892 | 5286 | | |
| 361.8385 | 36:58 | 36:57 | 3 | 1.169 | 7472706 | 1515429 | 275 | 687 | 5511 | 1.24(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:28 | 37:28 | 3 | 1.185 | 611708 | 122442 | 357 | 892 | 343 | | |
| 361.8385 | 37:28 | 37:28 | 3 | 1.185 | 498832 | 99726 | 275 | 687 | 363 | 1.23(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:53 | | | | | | 357 | 892 | | | |
| 361.8385 | 37:53 | | | | | | 275 | 687 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:07 | 38:08 | 4 | 0.887 | 5776989 | 1157515 | 357 | 892 | 3242 | | |
| 361.8385 | 38:07 | 38:08 | 4 | 0.887 | 4615359 | 919278 | 275 | 687 | 3343 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:16 | | | | | | 357 | 892 | | | |
| 361.8385 | 38:16 | | | | | | 275 | 687 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:44 | 38:47 | 1 | 0.901 | 27917114 | 5695844 | 357 | 892 | 15955 | | |
| 361.8385 | 38:44 | 38:47 | 1 | 0.901 | 22103057 | 4469136 | 275 | 687 | 16251 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:44 | 38:47 | 1 | 0.901 | 27917114 | 5695844 | 357 | 892 | 15955 | | |
| 361.8385 | 38:44 | 38:47 | 1 | 0.901 | 22103057 | 4469136 | 275 | 687 | 16251 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:55 | 38:56 | 4 | 0.906 | 4279110 | 850278 | 357 | 892 | 2382 | | |
| 361.8385 | 38:55 | 38:56 | 4 | 0.906 | 3394301 | 671197 | 275 | 687 | 2441 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:20 | 39:21 | 4 | 0.915 | 1886708 | 366392 | 357 | 892 | 1026 | | |
| 361.8385 | 39:20 | 39:21 | 4 | 0.915 | 1468023 | 290268 | 275 | 687 | 1056 | 1.29(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:34 | 39:34 | 4 | 0.921 | 1441521 | 281375 | 357 | 892 | 788 | | |
| 361.8385 | 39:34 | 39:34 | 4 | 0.921 | 1054549 | 224603 | 275 | 687 | 817 | 1.37(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:41 | 39:41 | 4 | 0.923 | 2592132 | 528540 | 357 | 892 | 1481 | | |
| 361.8385 | 39:41 | 39:41 | 4 | 0.923 | 2163923 | 420343 | 275 | 687 | 1529 | 1.20(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:59 | 40:00 | 3 | 0.930 | 30030282 | 5797228 | 357 | 892 | 16239 | | |
| 361.8385 | 39:59 | 40:00 | 3 | 0.930 | 23860705 | 4583072 | 275 | 687 | 16666 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:59 | 40:00 | 3 | 0.930 | 30030282 | 5797228 | 357 | 892 | 16239 | | |
| 361.8385 | 39:59 | 40:00 | 3 | 0.930 | 23860705 | 4583072 | 275 | 687 | 16666 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:59 | 40:00 | 3 | 0.930 | 30030282 | 5797228 | 357 | 892 | 16239 | | |
| 361.8385 | 39:59 | 40:00 | 3 | 0.930 | 23860705 | 4583072 | 275 | 687 | 16666 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:59 | 40:00 | 3 | 0.930 | 30030282 | 5797228 | 357 | 892 | 16239 | | |
| 361.8385 | 39:59 | 40:00 | 3 | 0.930 | 23860705 | 4583072 | 275 | 687 | 16666 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:22 | 40:23 | 4 | 0.939 | 3666481 | 714187 | 357 | 892 | 2001 | | |
| 361.8385 | 40:22 | 40:23 | 4 | 0.939 | 2917385 | 560170 | 275 | 687 | 2037 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 4 | 0.960 | 5246573 | 978036 | 357 | 892 | 2740 | | |
| 361.8385 | 41:14 | 41:14 | 4 | 0.960 | 4185376 | 786676 | 275 | 687 | 2861 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 4 | 0.960 | 5246573 | 978036 | 357 | 892 | 2740 | | |
| 361.8385 | 41:14 | 41:14 | 4 | 0.960 | 4185376 | 786676 | 275 | 687 | 2861 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:12 | 42:14 | 2 | 0.982 | 261512 | 47782 | 357 | 892 | 134 | | |
| 361.8385 | 42:12 | 42:14 | 2 | 0.982 | 202594 | 38309 | 275 | 687 | 139 | 1.29(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:31 | | | | | | 357 | 892 | | | |
| 361.8385 | 42:31 | | | | | | 275 | 687 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:00 | 43:00 | 4 | 1.001 | 1436536 | 282708 | 357 | 892 | 792 | | |
| 361.8385 | 43:00 | 43:00 | 4 | 1.001 | 1138415 | 224726 | 275 | 687 | 817 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | 3 | 1.000 | 4386533 | 752604 | 357 | 892 | 2108 | | |
| 361.8385 | 44:08 | 44:09 | 3 | 1.000 | 3454346 | 591935 | 275 | 687 | 2152 | 1.27(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | 3 | 1.000 | 4386533 | 752604 | 357 | 892 | 2108 | | |
| 361.8385 | 44:08 | 44:09 | 3 | 1.000 | 3454346 | 591935 | 275 | 687 | 2152 | 1.27(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:23 | | | | | | 357 | 892 | | | |
| 361.8385 | 47:23 | | | | | | 275 | 687 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:21 | 37:22 | 3 | 0.820 | 2128837 | 432398 | 124 | 310 | 3487 | | |
| 407.8398 | 37:21 | 37:22 | 3 | 0.820 | 1952826 | 388116 | 182 | 455 | 2133 | 1.09(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:26 | 40:25 | 4 | 0.888 | 1611634 | 320061 | 124 | 310 | 2581 | | |
| 407.8398 | 40:25 | 40:25 | 4 | 0.888 | 1494151 | 303693 | 182 | 455 | 1669 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:32 | 45:27 | 4 | | 1895677 | 372830 | 124 | 310 | 3007 | | |
| 407.8398 | 45:32 | 45:27 | 4 | | 1777504 | 356367 | 182 | 455 | 1958 | 1.07(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:46 | 46:47 | 3 | 1.027 | 1308675 | 257795 | 124 | 310 | 2079 | | |
| 407.8398 | 46:46 | 46:47 | 3 | 1.027 | 1254347 | 252409 | 182 | 455 | 1387 | 1.04(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:54 | 49:54 | 4 | 1.096 | 3226810 | 629313 | 2038 | 5095 | 309 | | |
| 407.8398 | 49:54 | 49:54 | 4 | 1.096 | 3093472 | 597113 | 829 | 2072 | 720 | 1.04(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:23 | | | | | | 61 | 152 | | | |
| 395.7995 | 37:23 | | | | | | 43 | 107 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:43 | 37:42 | 4 | 1.010 | 2346195 | 466799 | 61 | 152 | 7652 | | |
| 395.7995 | 37:42 | 37:42 | 3 | 1.009 | 2224435 | 439629 | 43 | 107 | 10224 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:15 | | | | | | 61 | 152 | | | |
| 395.7995 | 38:15 | | | | | | 43 | 107 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:36 | 38:36 | 3 | 1.033 | 697448 | 140576 | 61 | 152 | 2305 | | |
| 395.7995 | 38:36 | 38:36 | 3 | 1.033 | 667498 | 135816 | 43 | 107 | 3159 | 1.04(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:03 | | | | | | 61 | 152 | | | |
| 395.7995 | 39:03 | | | | | | 43 | 107 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:26 | 40:26 | 4 | 1.083 | 835409 | 168524 | 61 | 152 | 2763 | | |
| 395.7995 | 40:26 | 40:26 | 4 | 1.083 | 798715 | 160433 | 43 | 107 | 3731 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:05 | 41:04 | 4 | 1.100 | 171570 | 34863 | 61 | 152 | 572 | | |
| 395.7995 | 41:04 | 41:04 | 3 | 1.099 | 168683 | 32006 | 43 | 107 | 744 | 1.02(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:21 | 41:20 | 4 | 1.107 | 5024510 | 993891 | 61 | 152 | 16293 | | |
| 395.7995 | 41:21 | 41:20 | 4 | 1.107 | 4763781 | 949723 | 43 | 107 | 22087 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:34 | 41:33 | 4 | 1.113 | 64713 | 9955 | 61 | 152 | 163 | | |
| 395.7995 | 41:33 | 41:33 | 4 | 1.112 | 56828 | 10081 | 43 | 107 | 234 | 1.14(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:57 | 41:57 | 4 | 1.123 | 2687059 | 465347 | 61 | 152 | 7629 | | |
| 395.7995 | 41:57 | 41:57 | 4 | 1.123 | 2550620 | 437390 | 43 | 107 | 10172 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:57 | 41:57 | 4 | 1.123 | 2687059 | 465347 | 61 | 152 | 7629 | | |
| 395.7995 | 41:57 | 41:57 | 4 | 1.123 | 2550620 | 437390 | 43 | 107 | 10172 | 1.05(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:12 | 42:11 | 4 | 1.130 | 3532881 | 694047 | 61 | 152 | 11378 | | |
| 395.7995 | 42:12 | 42:11 | 4 | 1.130 | 3353348 | 661632 | 43 | 107 | 15387 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:38 | 42:38 | 4 | 1.142 | 2155277 | 417124 | 61 | 152 | 6838 | | |
| 395.7995 | 42:37 | 42:38 | 3 | 1.141 | 2054764 | 395180 | 43 | 107 | 9190 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:02 | 43:01 | 4 | 1.152 | 57797 | 10145 | 61 | 152 | 166 | | |
| 395.7995 | 43:02 | 43:01 | 4 | 1.152 | 47895 | 8428 | 43 | 107 | 196 | 1.21(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:16 | 43:15 | 4 | 1.158 | 1138497 | 218091 | 61 | 152 | 3575 | | |
| 395.7995 | 43:16 | 43:15 | 4 | 1.158 | 1096069 | 212441 | 43 | 107 | 4940 | 1.04(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:16 | 43:15 | 4 | 1.158 | 1138497 | 218091 | 61 | 152 | 3575 | | |
| 395.7995 | 43:16 | 43:15 | 4 | 1.158 | 1096069 | 212441 | 43 | 107 | 4940 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:53 | 44:53 | 3 | 0.900 | 622016 | 122294 | 61 | 152 | 2005 | | |
| 395.7995 | 44:53 | 44:53 | 3 | 0.900 | 589493 | 114701 | 43 | 107 | 2667 | 1.06(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:10 | | | | | | 61 | 152 | | | |
| 395.7995 | 45:10 | | | | | | 43 | 107 | | | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:32 | 45:30 | 7 | 0.913 | 8742137 | 1610507 | 61 | 152 | 26402 | | |
| 395.7995 | 45:32 | 45:30 | 7 | 0.913 | 8296221 | 1531770 | 43 | 107 | 35623 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:32 | 45:30 | 7 | 0.913 | 8742137 | 1610507 | 61 | 152 | 26402 | | |
| 395.7995 | 45:32 | 45:30 | 7 | 0.913 | 8296221 | 1531770 | 43 | 107 | 35623 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:54 | 45:54 | 3 | 0.920 | 214782 | 38268 | 61 | 152 | 627 | | |
| 395.7995 | 45:54 | 45:54 | 3 | 0.920 | 209985 | 36473 | 43 | 107 | 848 | 1.02(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:48 | 46:48 | 3 | 0.938 | 3398033 | 675113 | 61 | 152 | 11067 | | |
| 395.7995 | 46:48 | 46:48 | 3 | 0.938 | 3241648 | 638205 | 43 | 107 | 14842 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:19 | 47:20 | 3 | 0.948 | 893764 | 174631 | 61 | 152 | 2863 | | |
| 395.7995 | 47:19 | 47:20 | 3 | 0.948 | 844710 | 164112 | 43 | 107 | 3817 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:55 | 49:55 | 4 | 1.001 | 340443 | 66200 | 406 | 1015 | 163 | | |
| 395.7995 | 49:55 | 49:55 | 4 | 1.001 | 320958 | 62857 | 194 | 485 | 324 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:44 | 42:44 | 3 | 0.822 | 1546947 | 292371 | 252 | 630 | 1160 | | |
| 441.8008 | 42:45 | 42:44 | 4 | 0.822 | 1636854 | 326134 | 201 | 502 | 1623 | 0.95(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:01 | 51:57 | 4 | | 2102180 | 412951 | 167 | 417 | 2473 | | |
| 441.8008 | 52:01 | 51:57 | 5 | | 2235199 | 428483 | 1379 | 3447 | 311 | 0.94(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:29 | 52:29 | 4 | 1.009 | 2085889 | 398906 | 167 | 417 | 2389 | | |
| 441.8008 | 52:29 | 52:29 | 4 | 1.009 | 2324900 | 444484 | 1379 | 3447 | 322 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:46 | 42:45 | 4 | 1.001 | 338093 | 67188 | 130 | 325 | 517 | | |
| 429.7606 | 42:46 | 42:45 | 4 | 1.001 | 378074 | 74870 | 76 | 190 | 985 | 0.89(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:41 | 43:40 | 4 | 1.022 | 238140 | 46526 | 130 | 325 | 358 | | |
| 429.7606 | 43:41 | 43:40 | 4 | 1.022 | 258655 | 51091 | 76 | 190 | 672 | 0.92(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:21 | | | | | | 130 | 325 | | | |
| 429.7606 | 44:21 | | | | | | 76 | 190 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:35 | 4 | 1.044 | 70127 | 14656 | 130 | 325 | 113 | | |
| 429.7606 | 44:36 | 44:35 | 4 | 1.044 | 75320 | 15942 | 76 | 190 | 210 | 0.93(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:41 | 44:41 | 3 | 1.046 | 208577 | 38701 | 130 | 325 | 298 | | |
| 429.7606 | 44:41 | 44:41 | 3 | 1.046 | 231441 | 44822 | 76 | 190 | 590 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:31 | 47:29 | 5 | 1.112 | 1281554 | 239916 | 130 | 325 | 1846 | | |
| 429.7606 | 47:31 | 47:29 | 5 | 1.112 | 1424760 | 267851 | 76 | 190 | 3524 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:31 | 47:29 | 5 | 1.112 | 1281554 | 239916 | 130 | 325 | 1846 | | |
| 429.7606 | 47:31 | 47:29 | 5 | 1.112 | 1424760 | 267851 | 76 | 190 | 3524 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:10 | 48:10 | 4 | 0.918 | 629619 | 119327 | 130 | 325 | 918 | | |
| 429.7606 | 48:09 | 48:10 | 3 | 0.918 | 686536 | 131541 | 76 | 190 | 1731 | 0.92(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:21 | 48:22 | 3 | 0.921 | 857411 | 164853 | 130 | 325 | 1268 | | |
| 429.7606 | 48:22 | 48:22 | 4 | 0.922 | 956762 | 182794 | 76 | 190 | 2405 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:41 | 49:41 | 4 | 0.947 | 673733 | 132671 | 789 | 1972 | 168 | | |
| 429.7606 | 49:41 | 49:41 | 4 | 0.947 | 751768 | 143728 | 521 | 1302 | 276 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:02 | 52:02 | 4 | 0.992 | 1879991 | 365319 | 789 | 1972 | 463 | | |
| 429.7606 | 52:02 | 52:02 | 4 | 0.992 | 2067843 | 398694 | 521 | 1302 | 765 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:30 | 52:30 | 4 | 1.000 | 121110 | 23791 | 789 | 1972 | 30 | | |
| 429.7606 | 52:31 | 52:30 | 5 | 1.001 | 128182 | 24895 | 521 | 1302 | 48 | 0.94(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:26 | 49:26 | 3 | 0.950 | 1753644 | 342909 | 1248 | 3120 | 275 | | |
| 475.7619 | 49:26 | 49:26 | 3 | 0.950 | 2220313 | 436100 | 460 | 1150 | 948 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:15 | 54:14 | 5 | 1.043 | 1271106 | 239374 | 1248 | 3120 | 192 | | |
| 475.7619 | 54:15 | 54:14 | 5 | 1.043 | 1564503 | 298210 | 460 | 1150 | 648 | 0.81(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:27 | 49:26 | 4 | 1.001 | 249435 | 49548 | 162 | 405 | 306 | | |
| 463.7216 | 49:27 | 49:26 | 4 | 1.001 | 324307 | 64268 | 264 | 660 | 243 | 0.77(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:23 | 50:23 | 3 | 1.019 | 100477 | 19927 | 162 | 405 | 123 | | |
| 463.7216 | 50:23 | 50:23 | 3 | 1.019 | 132332 | 26760 | 264 | 660 | 101 | 0.76(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:17 | 54:17 | 6 | 1.001 | 3798677 | 408082 | 162 | 405 | 2519 | | M |
| | Empc Correction | | | | 1617592 | 208746 | 162 | 405 | 1289 | | |
| 463.7216 | 54:17 | 54:17 | 5 | 1.000 | 2100770 | 271099 | 264 | 660 | 1027 | 1.81(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:54 | 55:54 | 4 | 1.075 | 1226444 | 218642 | 94 | 235 | 2326 | | |
| 509.7229 | 55:54 | 55:54 | 4 | 1.075 | 1712721 | 294343 | 174 | 435 | 1692 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:55 | 55:55 | 4 | 1.000 | 384643 | 68594 | 48 | 120 | 1429 | | |
| 497.6826 | 55:55 | 55:55 | 4 | 1.000 | 540733 | 94803 | 88 | 220 | 1077 | 0.71(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

n - Failed Sig-To-Noise Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

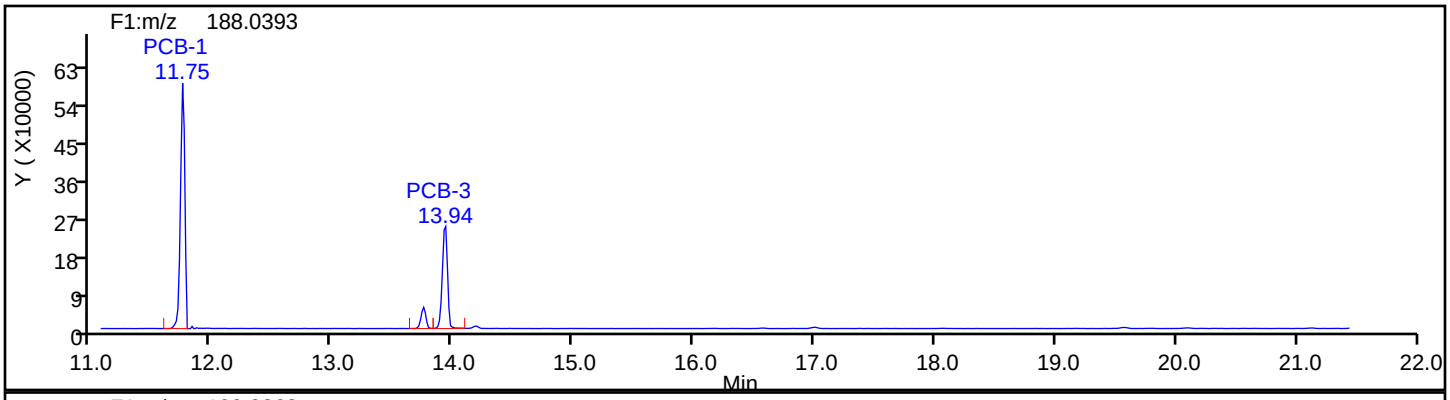
M - Manually Integrated

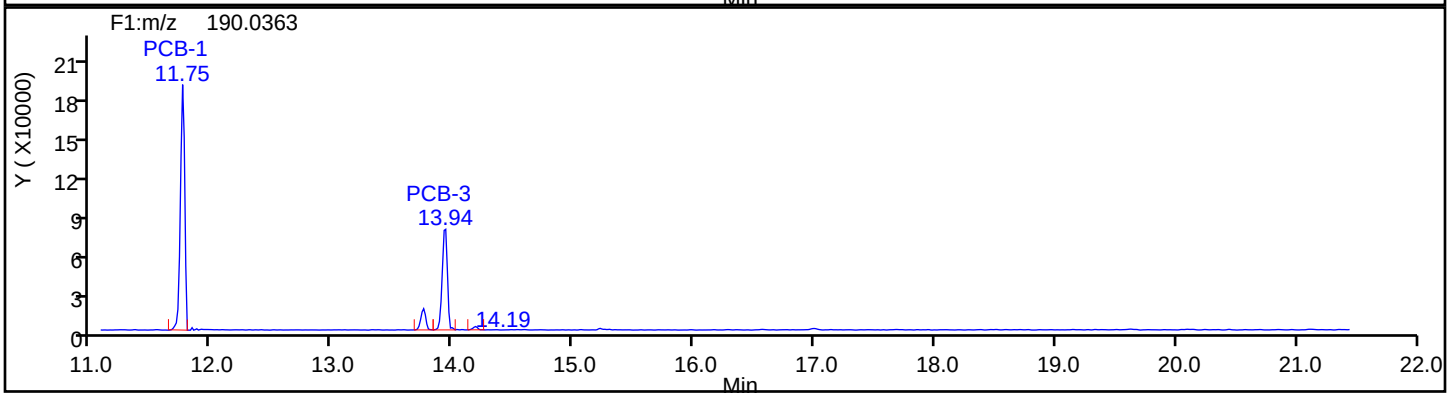
a - User Assigned ID

Eurofins TestAmerica, Knoxville

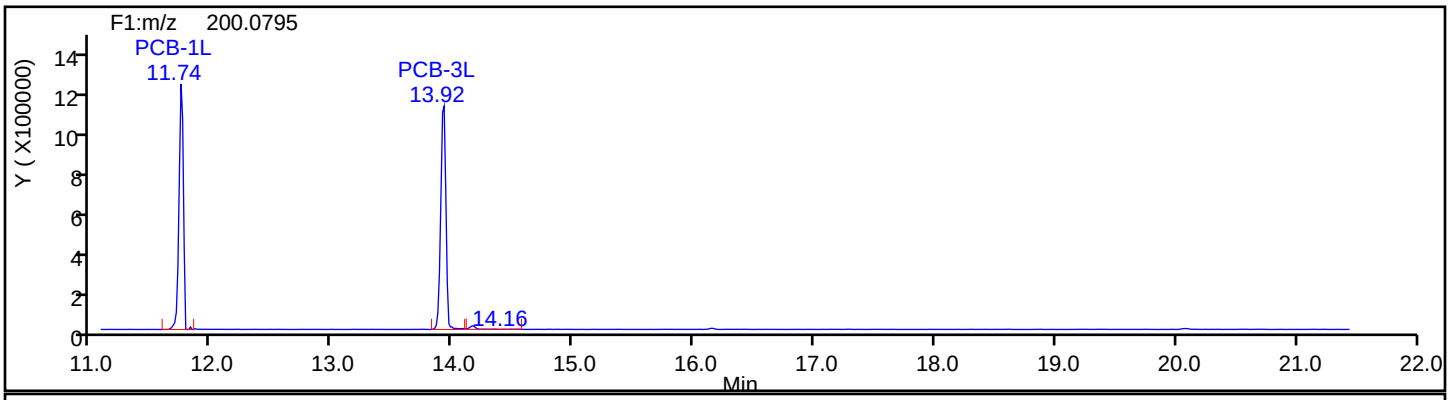
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

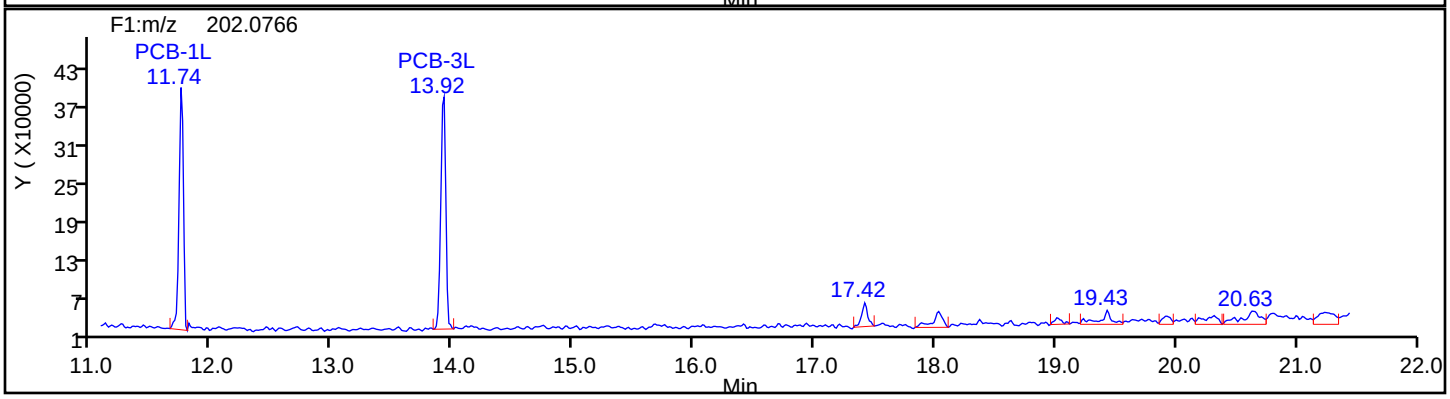
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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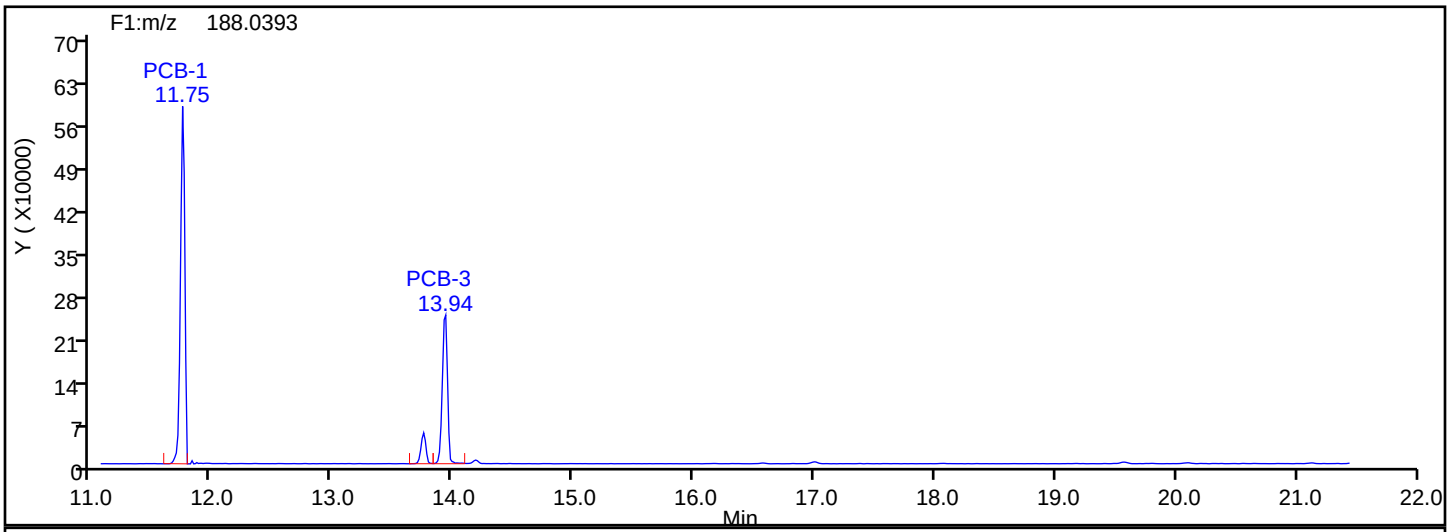
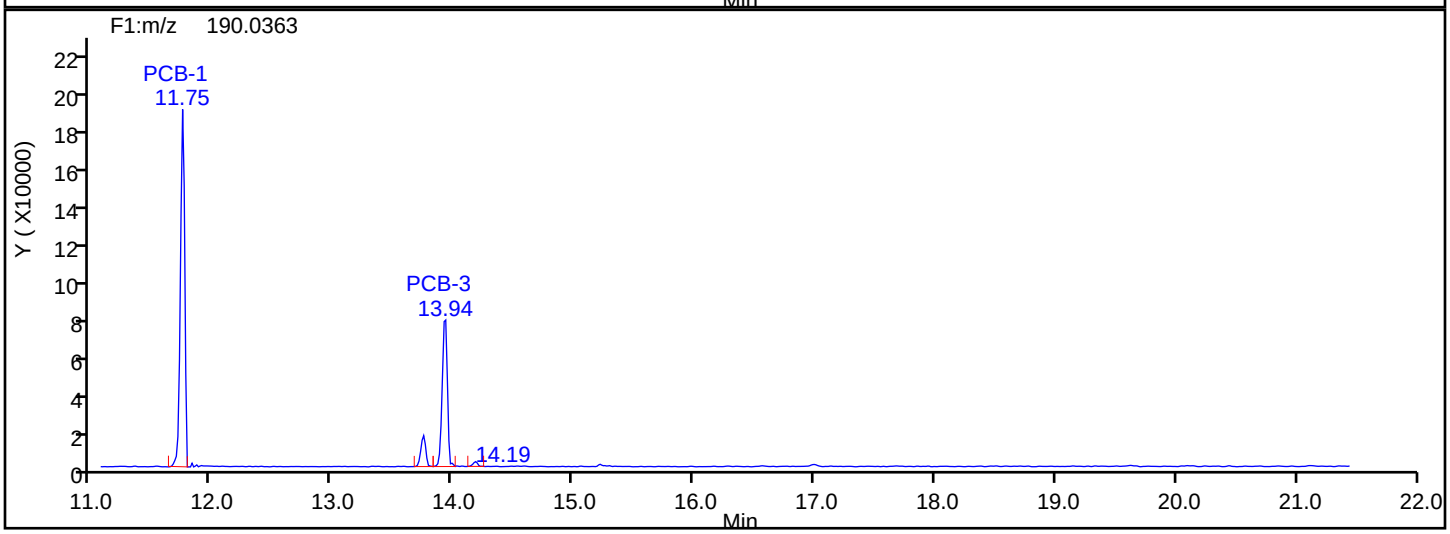
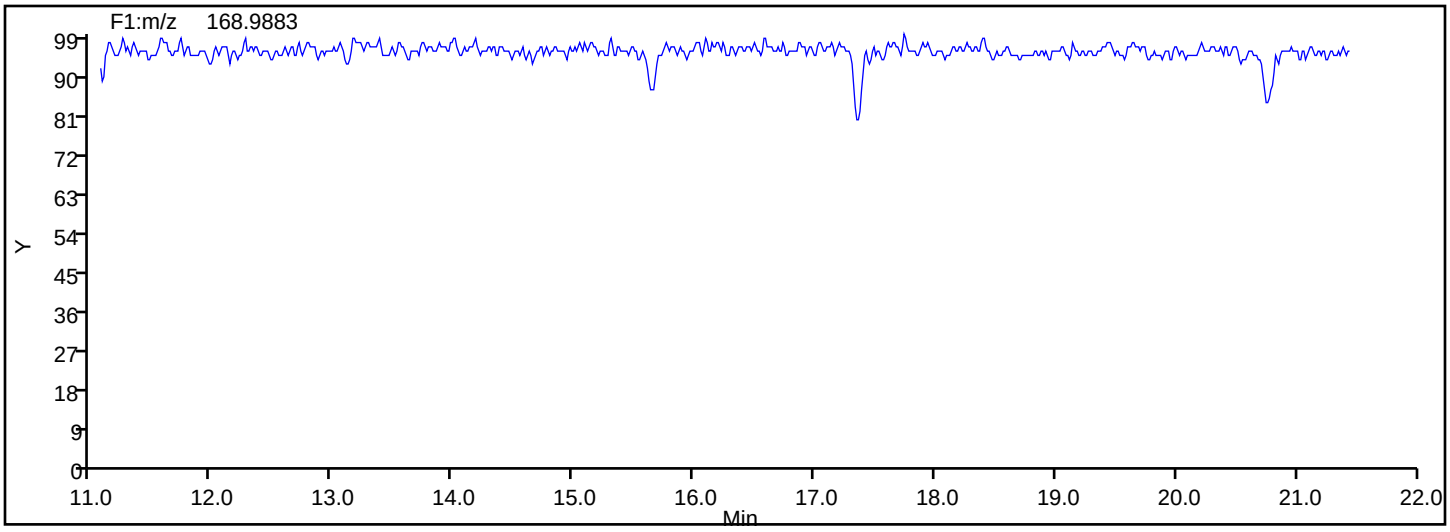
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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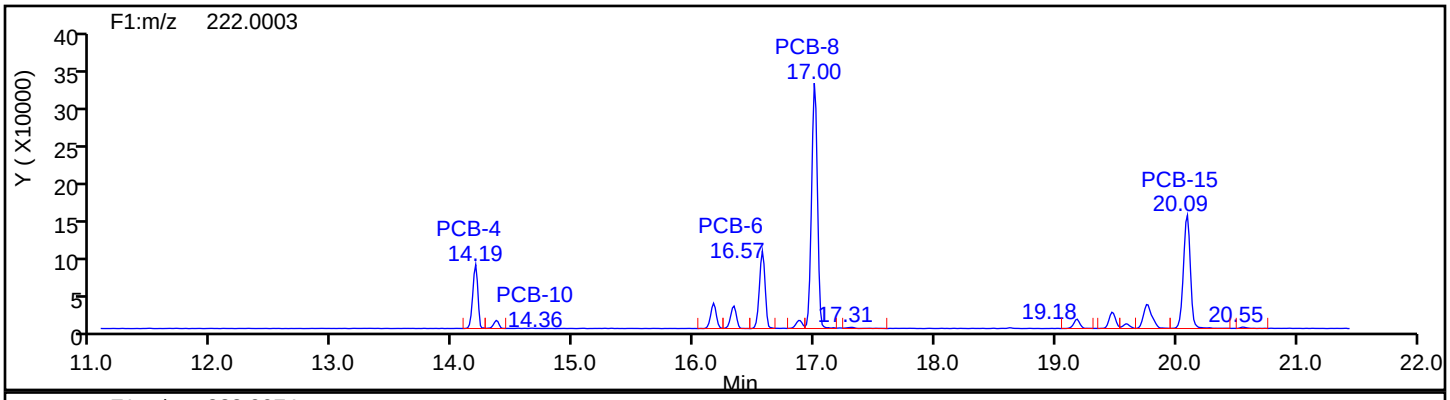
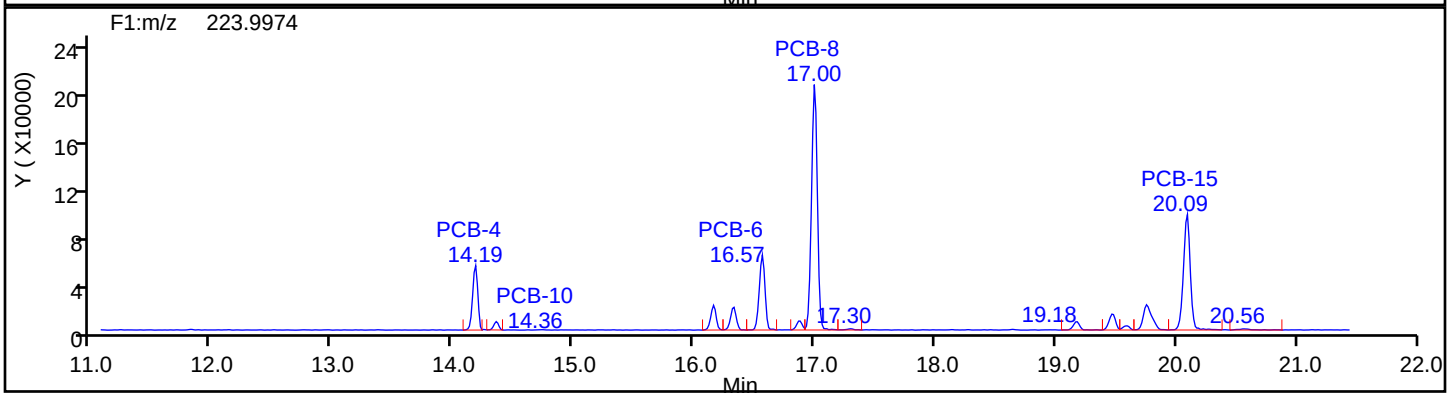
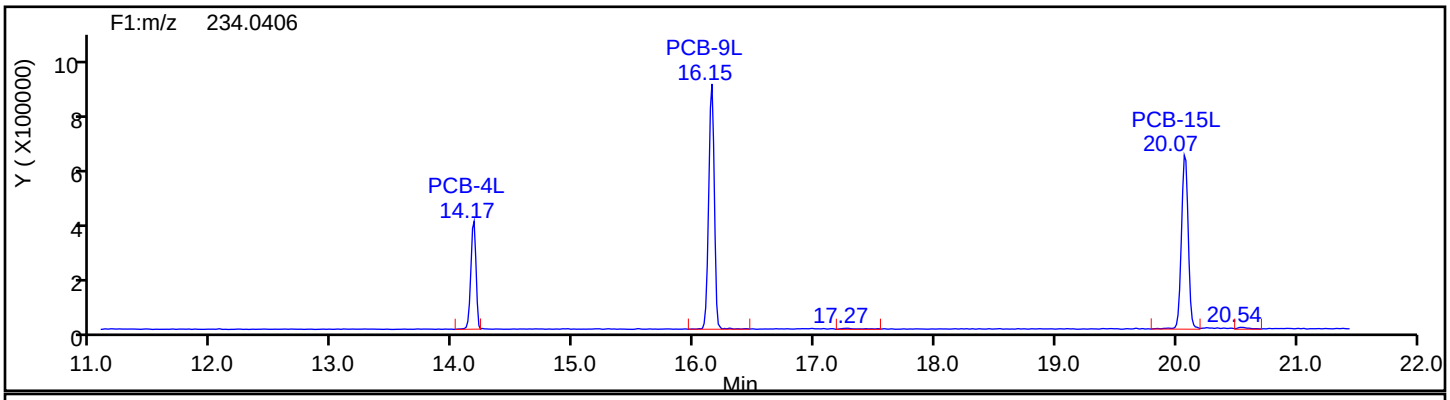
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

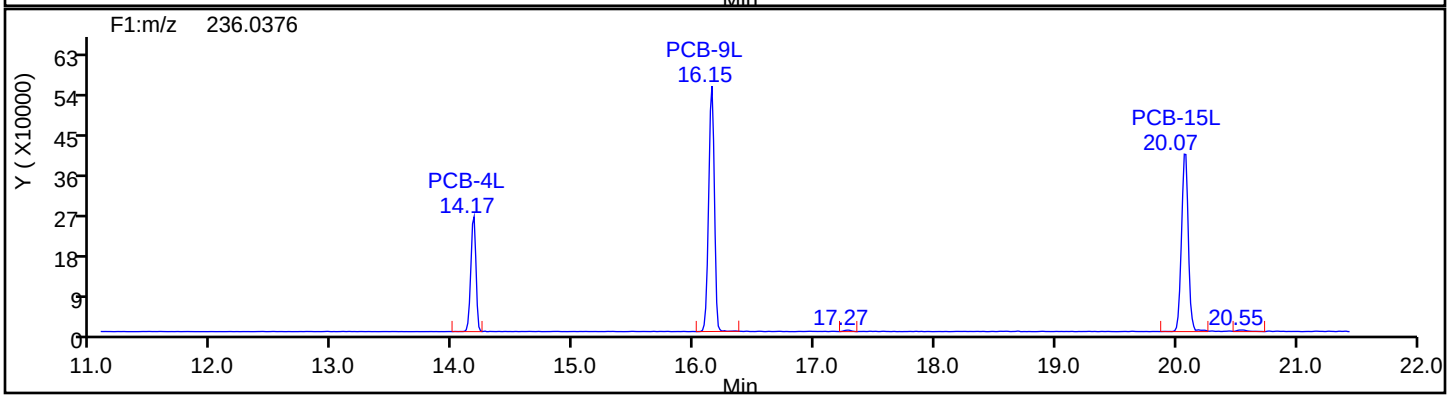
DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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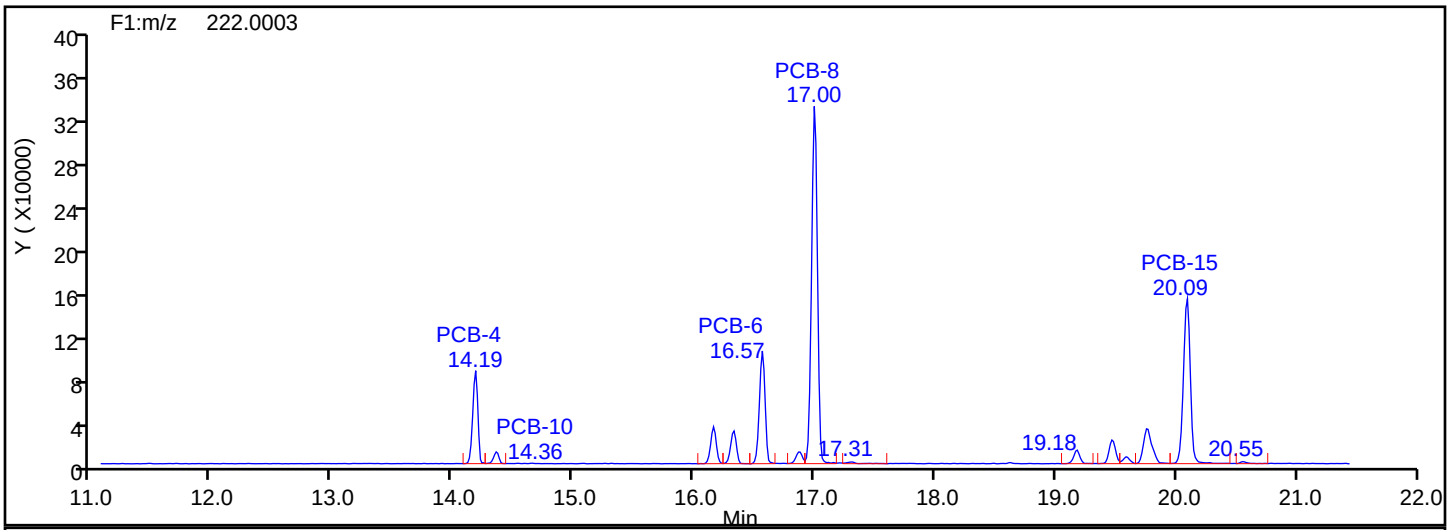
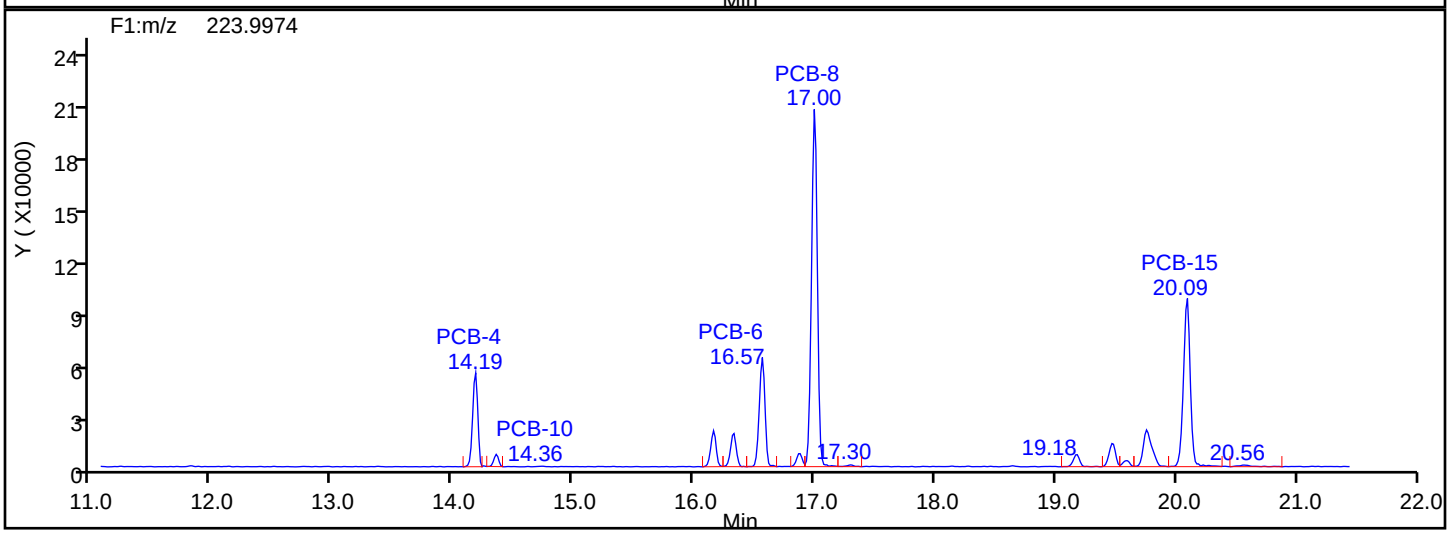
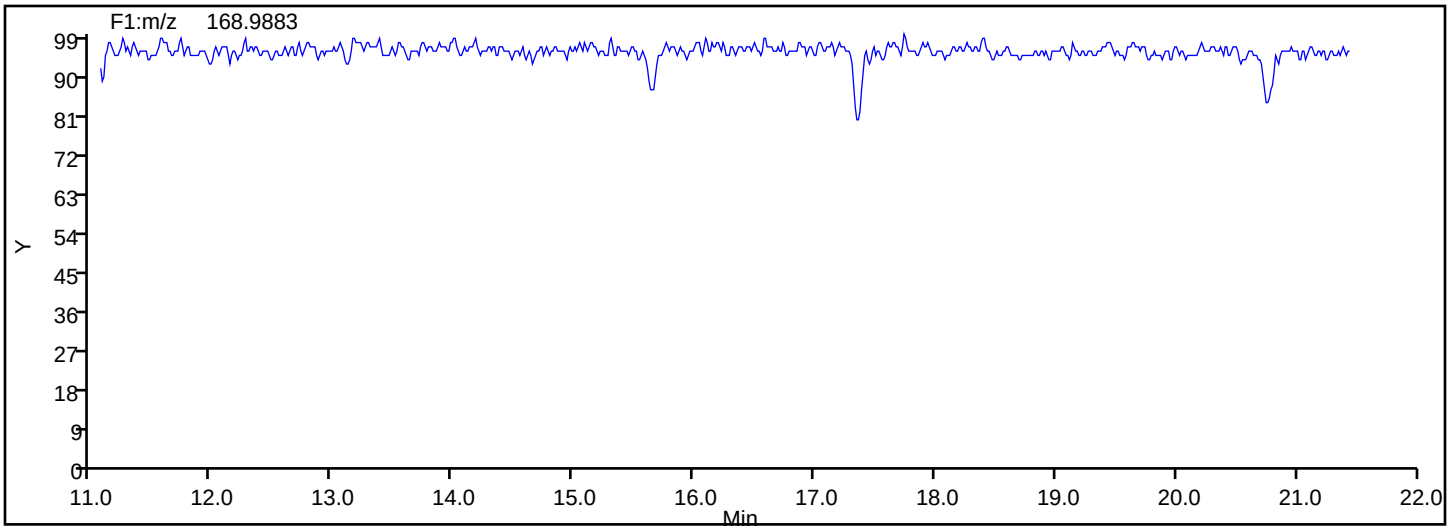
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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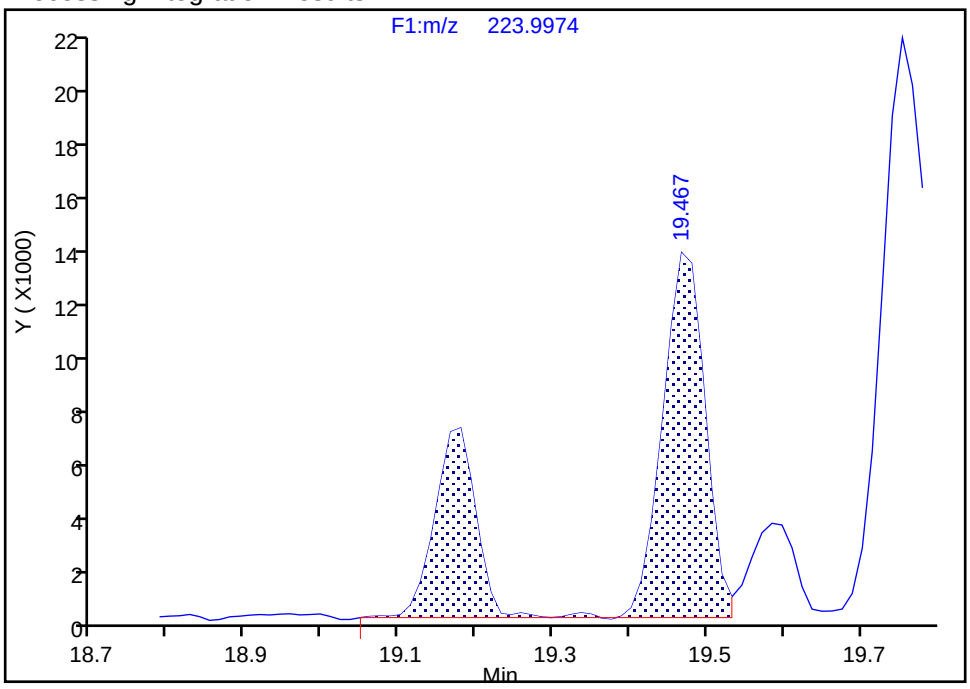
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

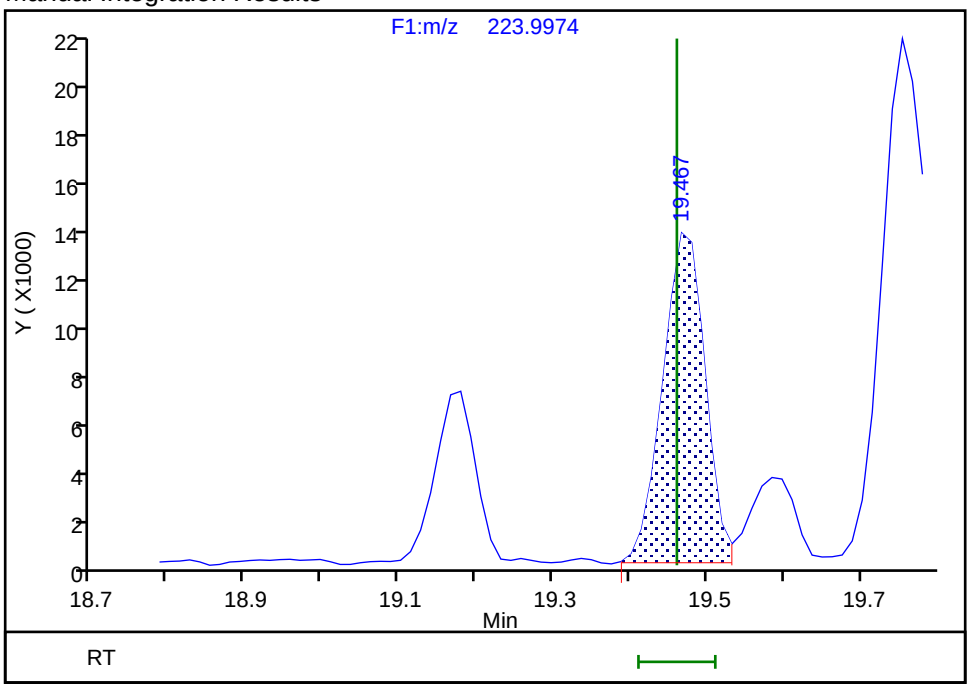
Processing Integration Results

RT: 19.47
Area: 76161
Amount: 3.181495
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 50462
Amount: 2.666558
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:18:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

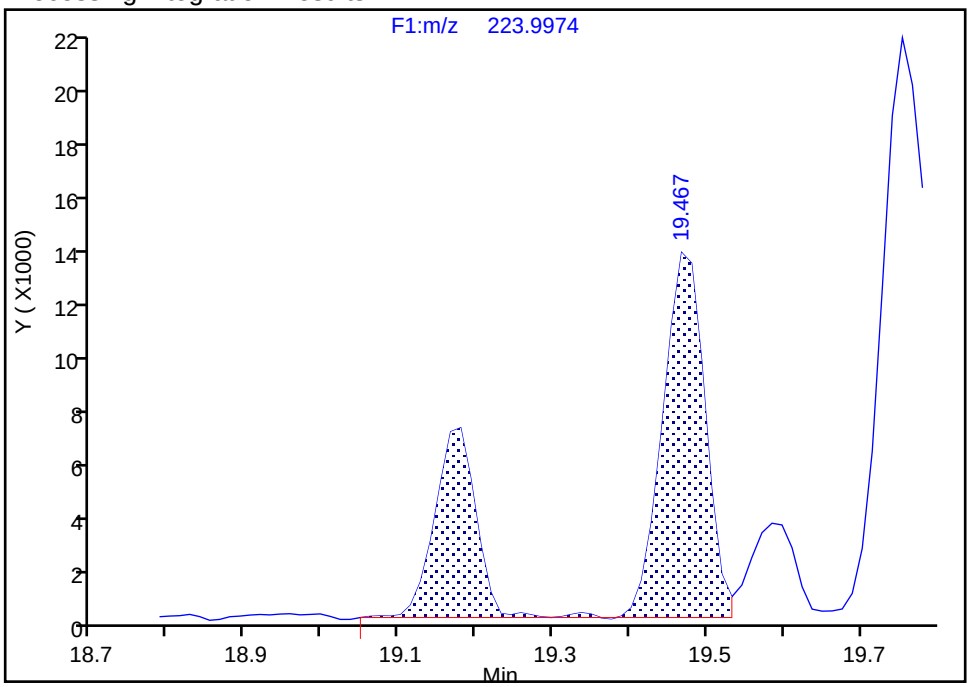
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 3

Processing Integration Results

RT: 19.47
Area: 158779
Amount: 3.181495
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 133080
Amount: 2.666558
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:18:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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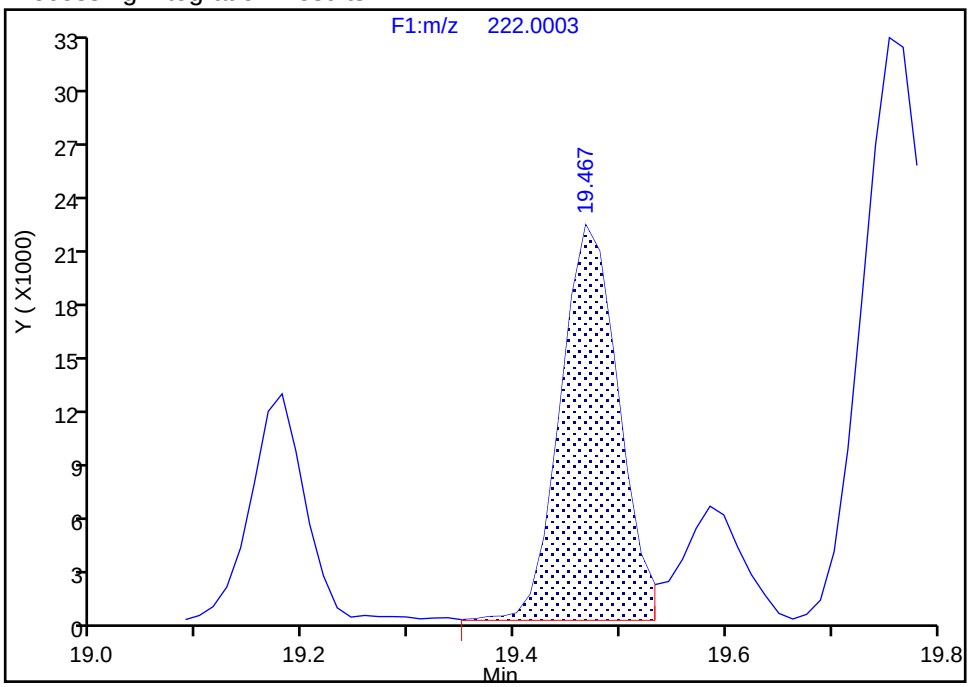
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

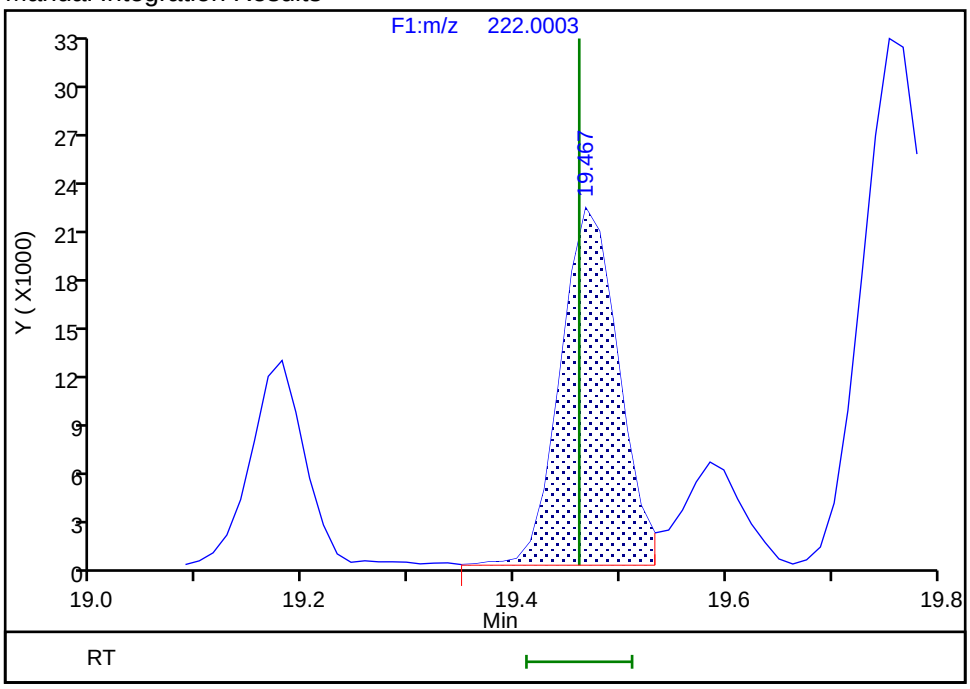
Processing Integration Results

RT: 19.47
Area: 82618
Amount: 3.181495
Amount Units: pg/ul




Manual Integration Results

RT: 19.47
Area: 82618
Amount: 2.666558
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:18:15
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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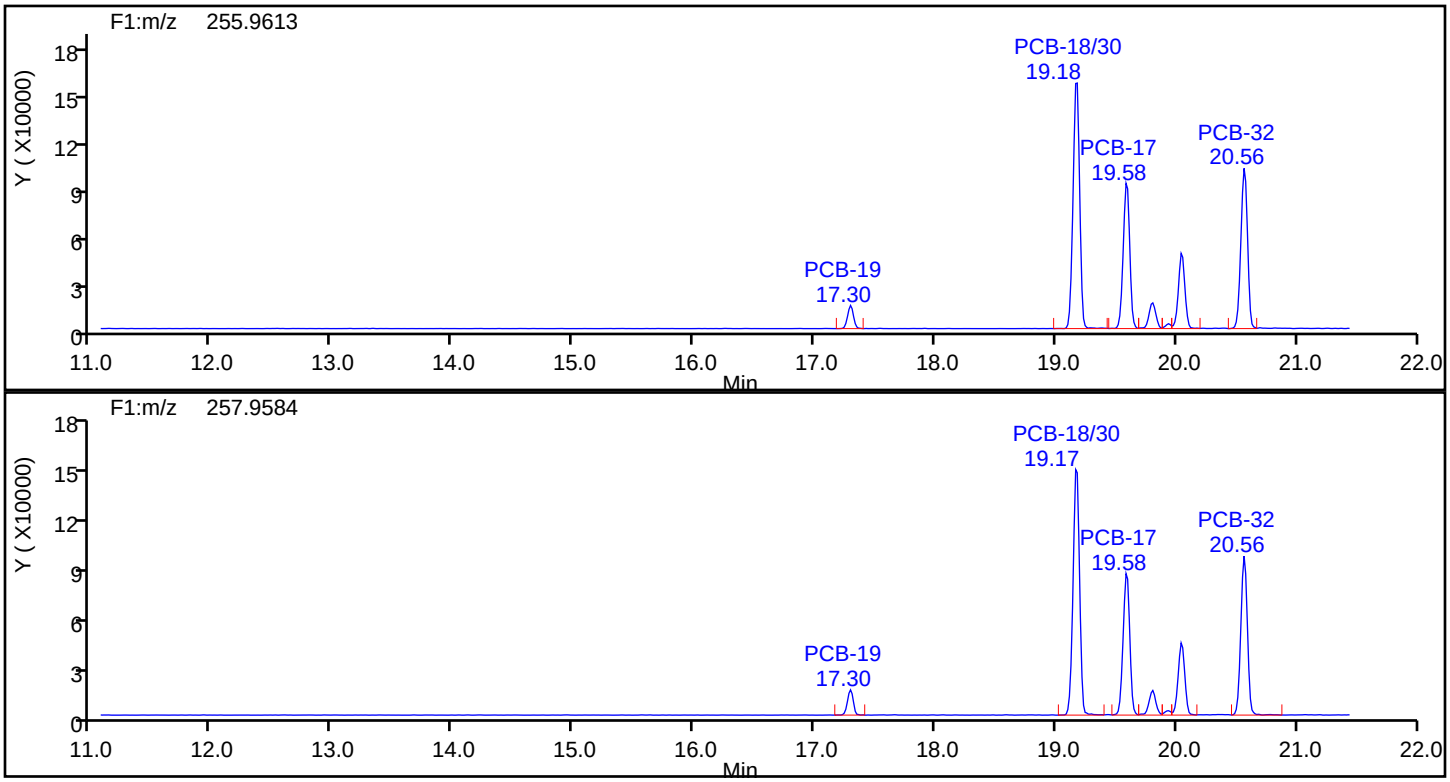
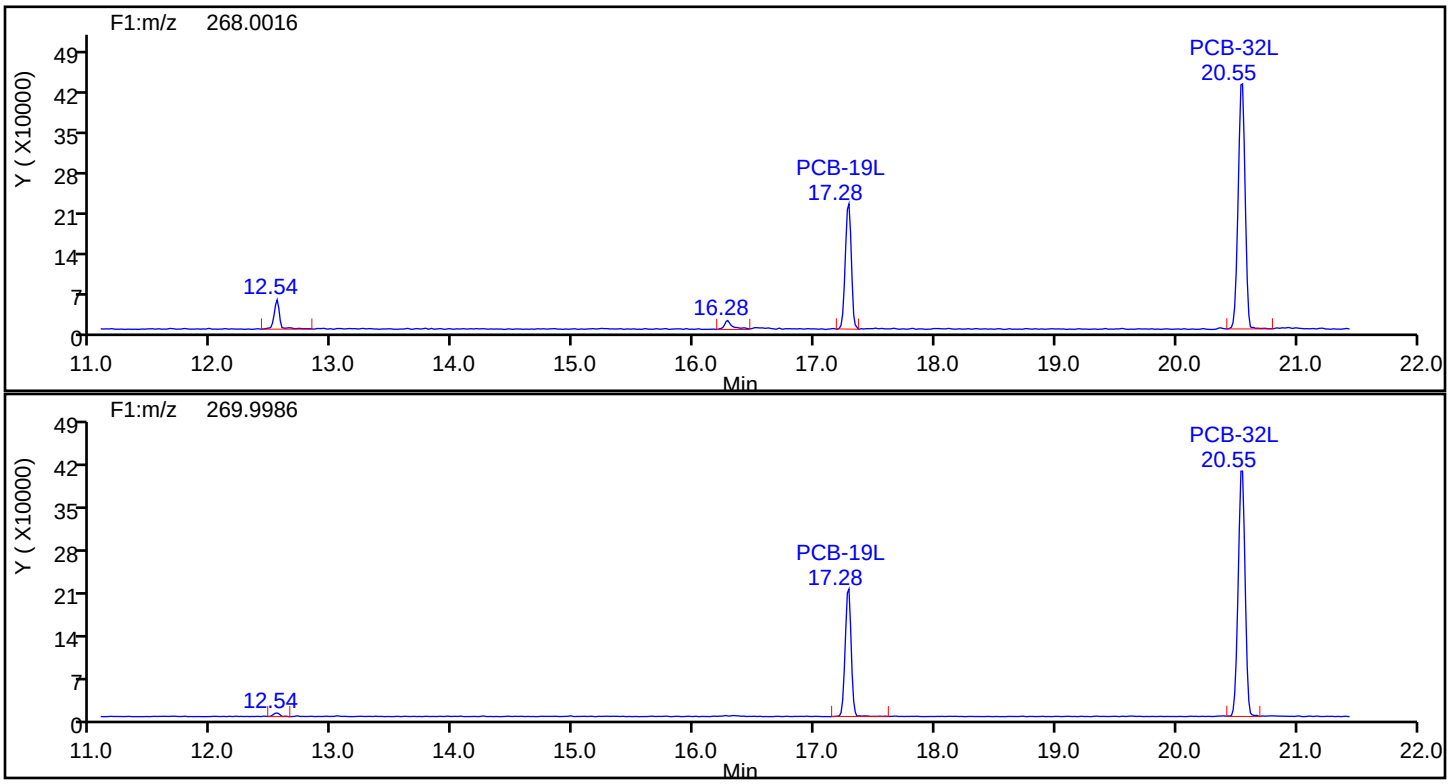
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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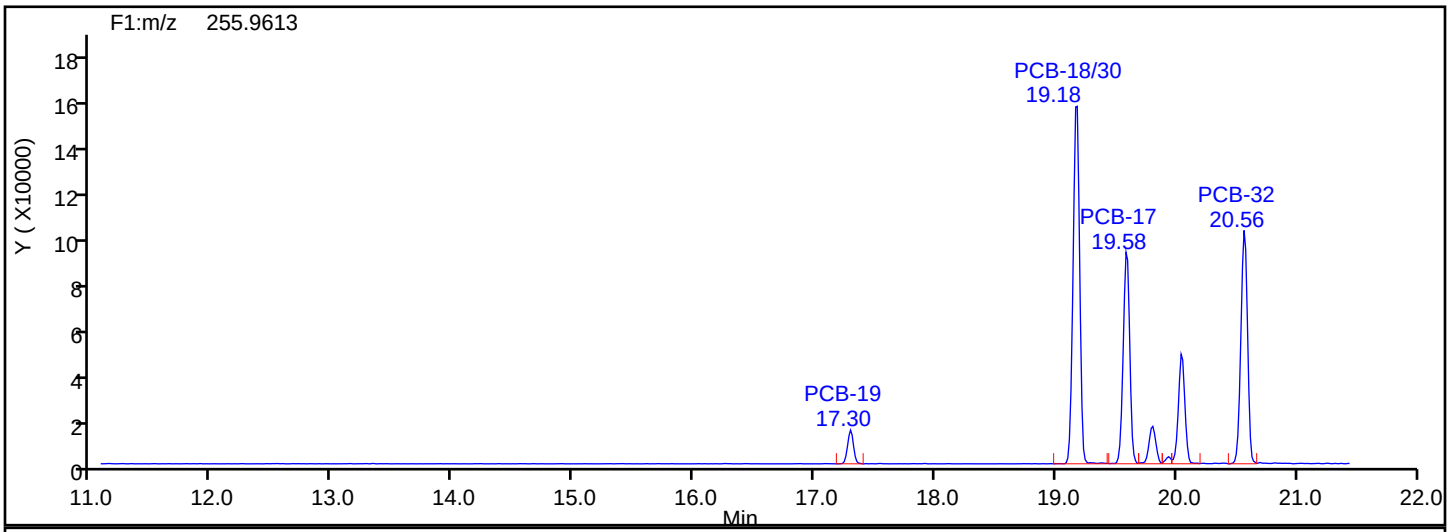
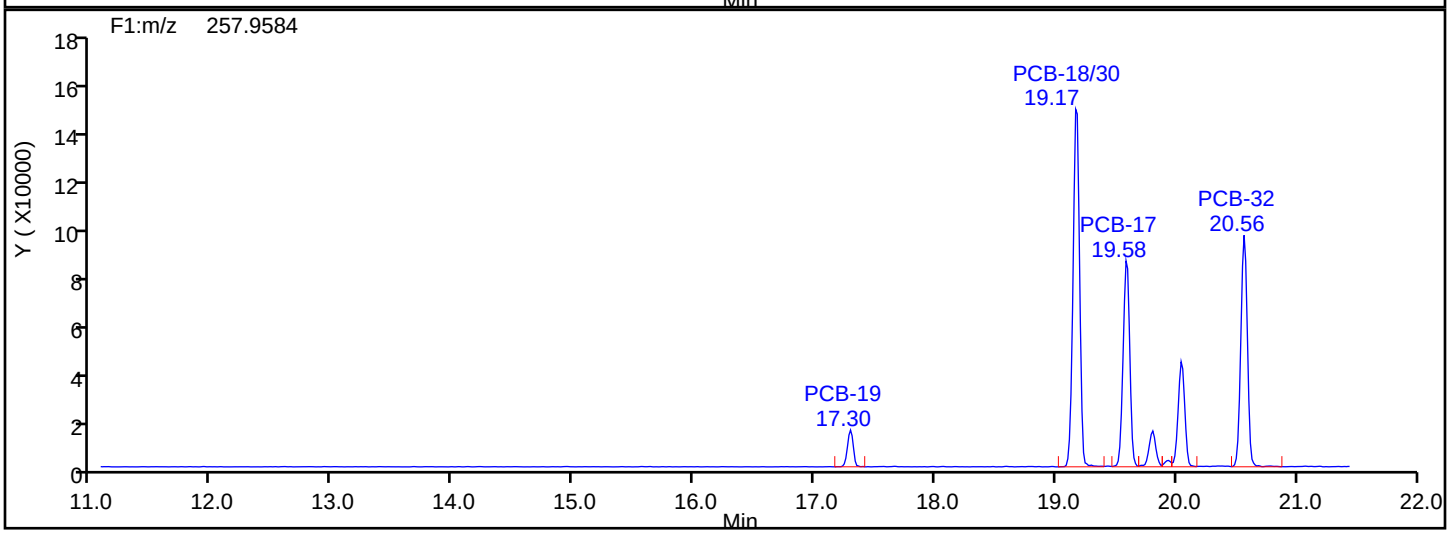
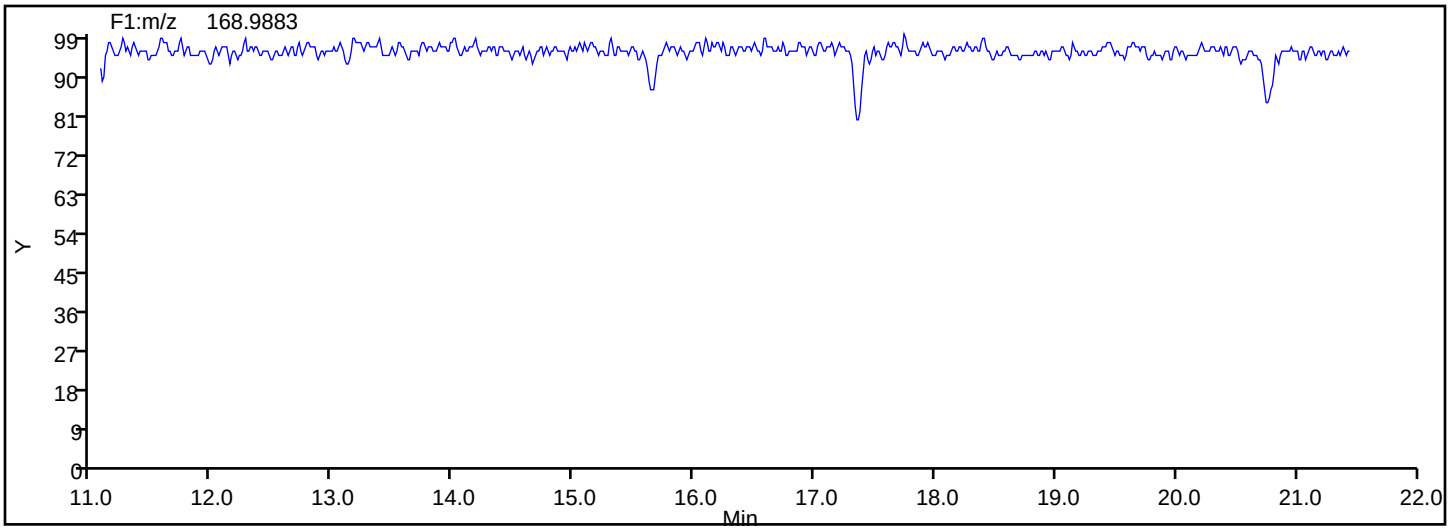
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



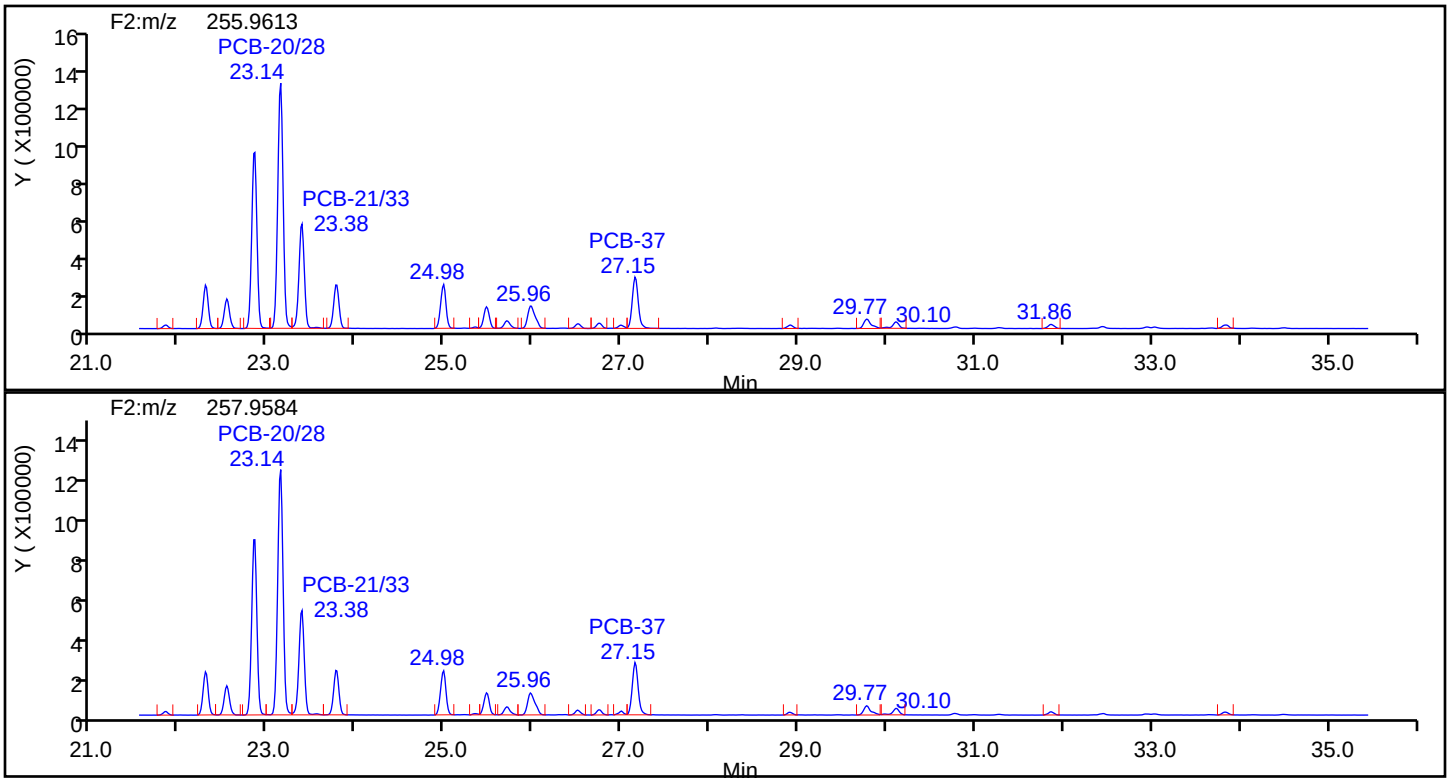

TriPCB F1 Lock Mass



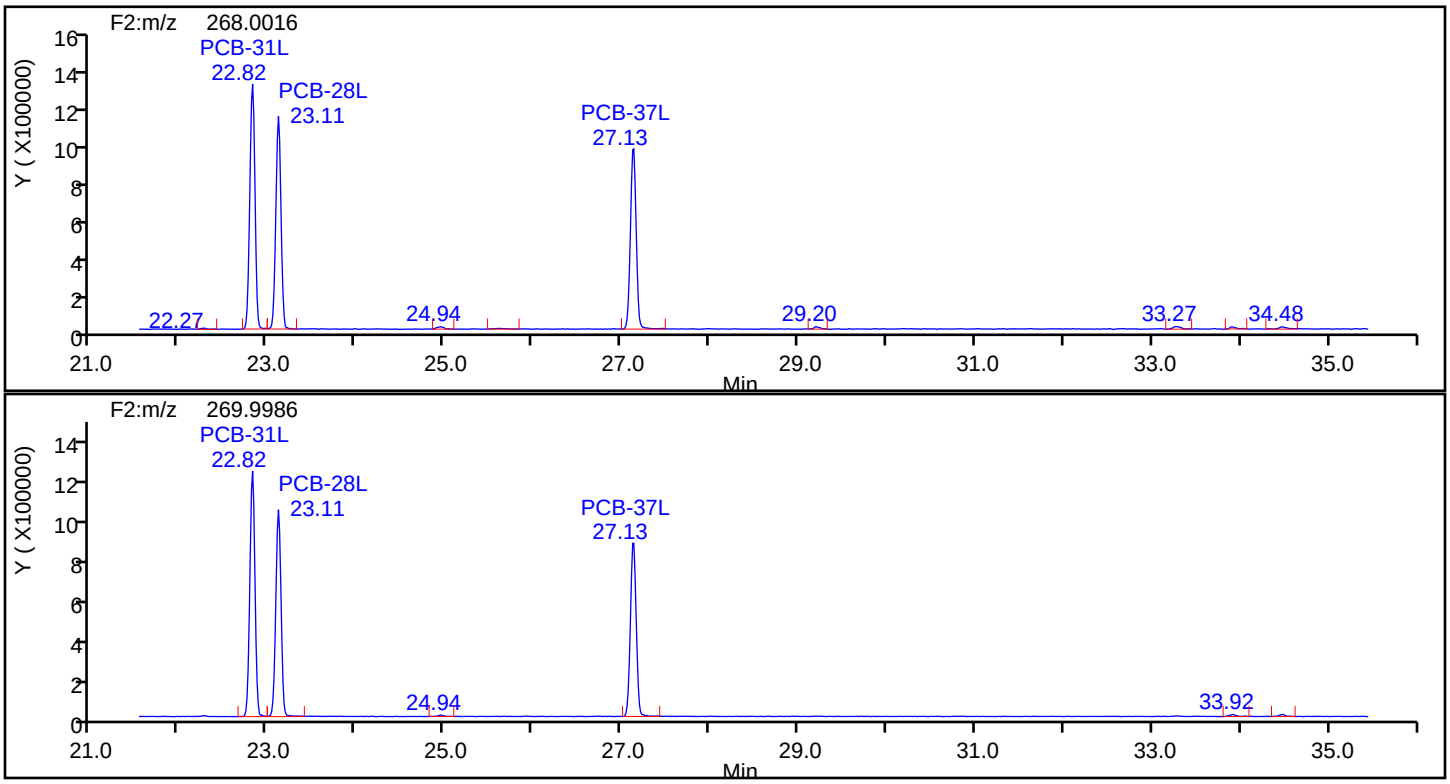
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



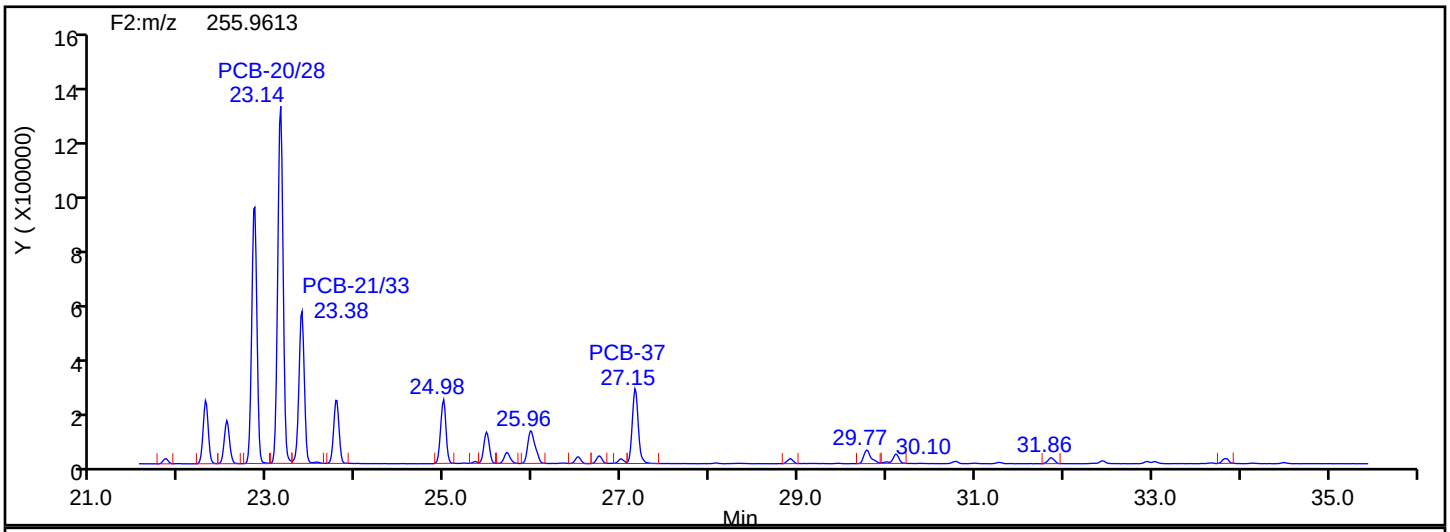

TriPCB F2 Standards

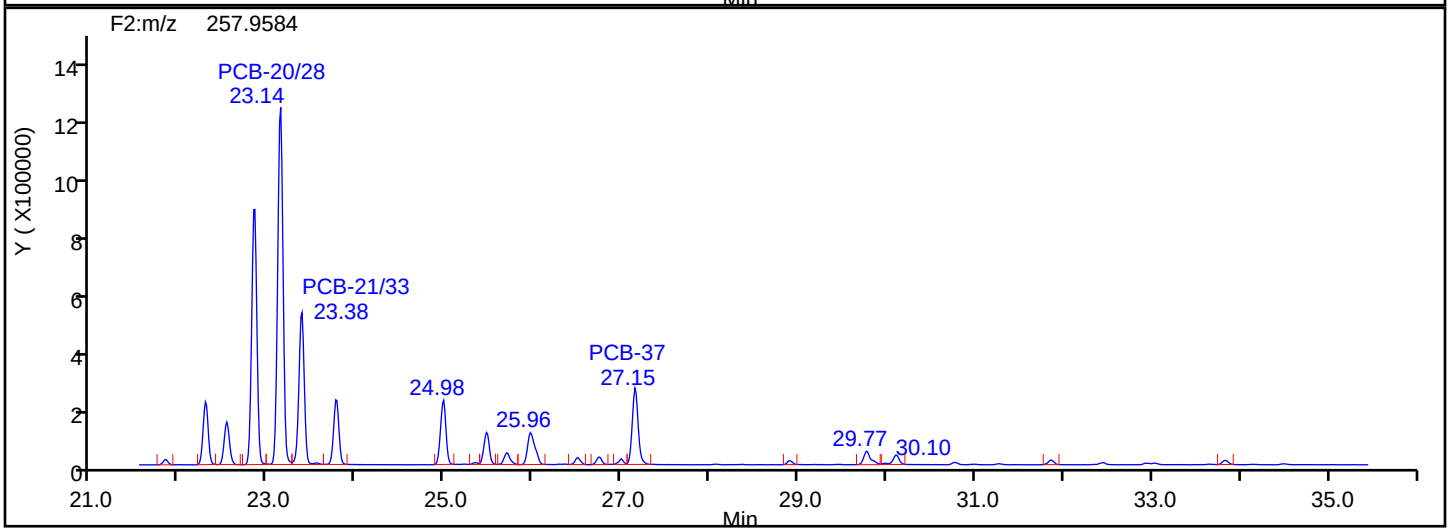


Eurofins TestAmerica, Knoxville

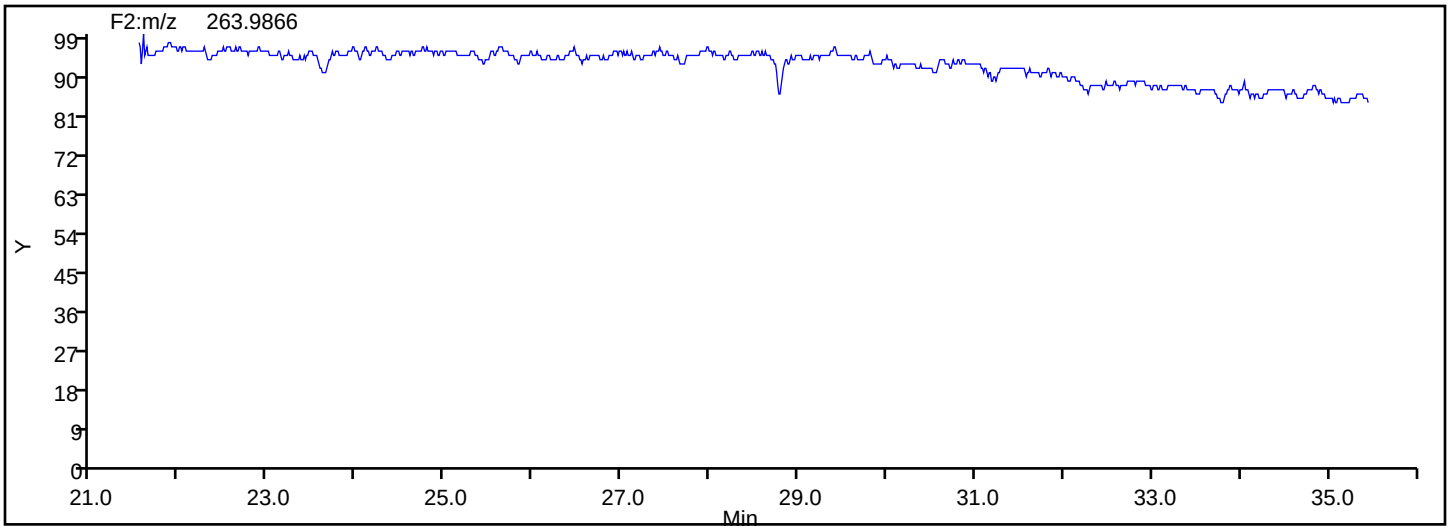
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

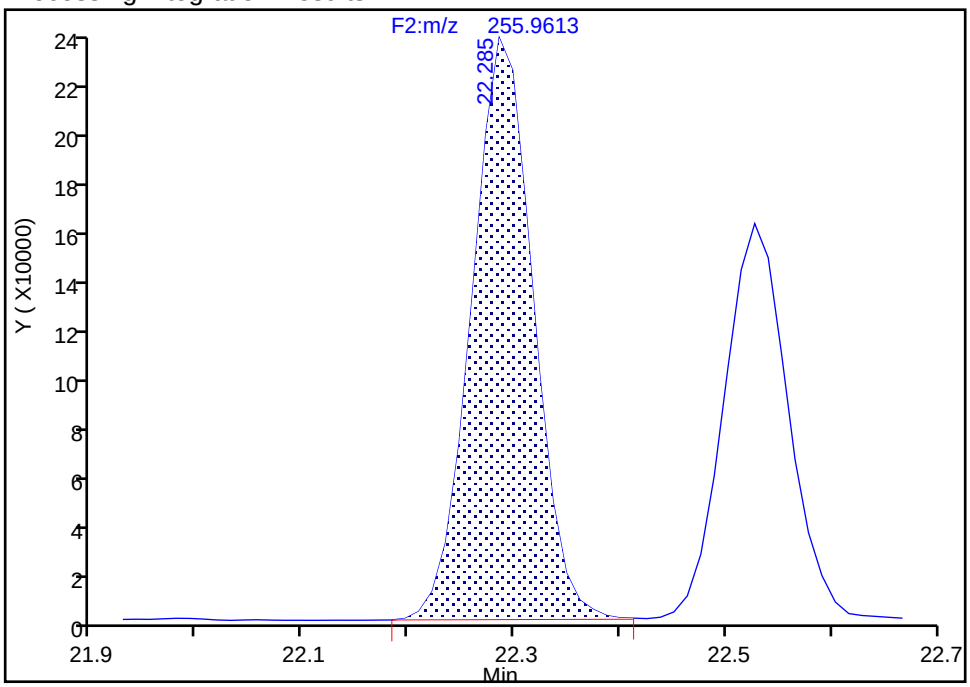
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

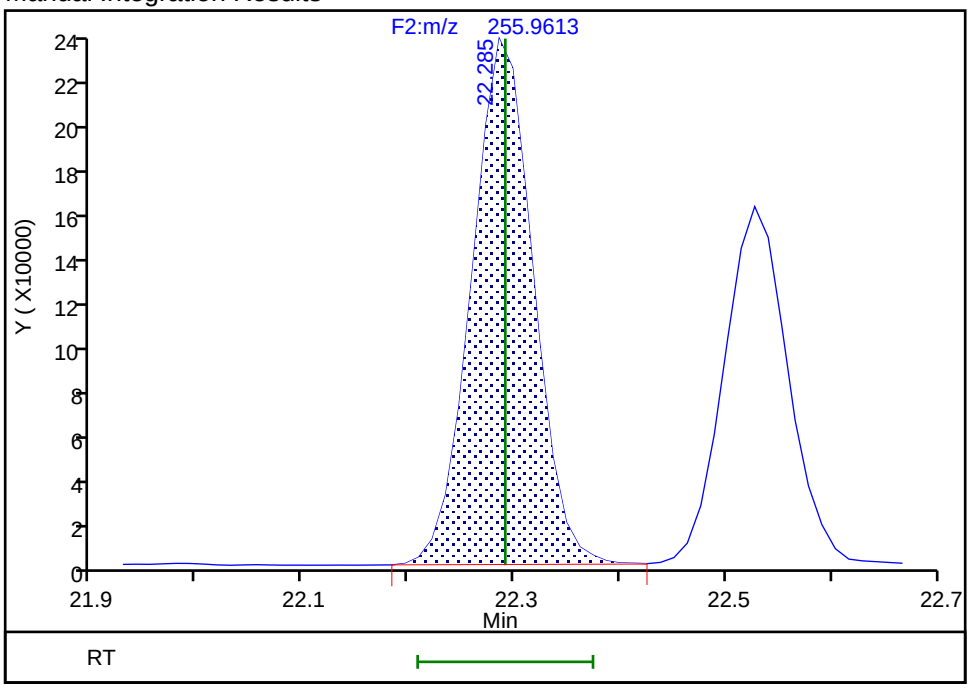
Processing Integration Results

RT: 22.29
Area: 947476
Amount: 17.054130
Amount Units: pg/ul




Manual Integration Results

RT: 22.29
Area: 947291
Amount: 17.052405
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:18:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

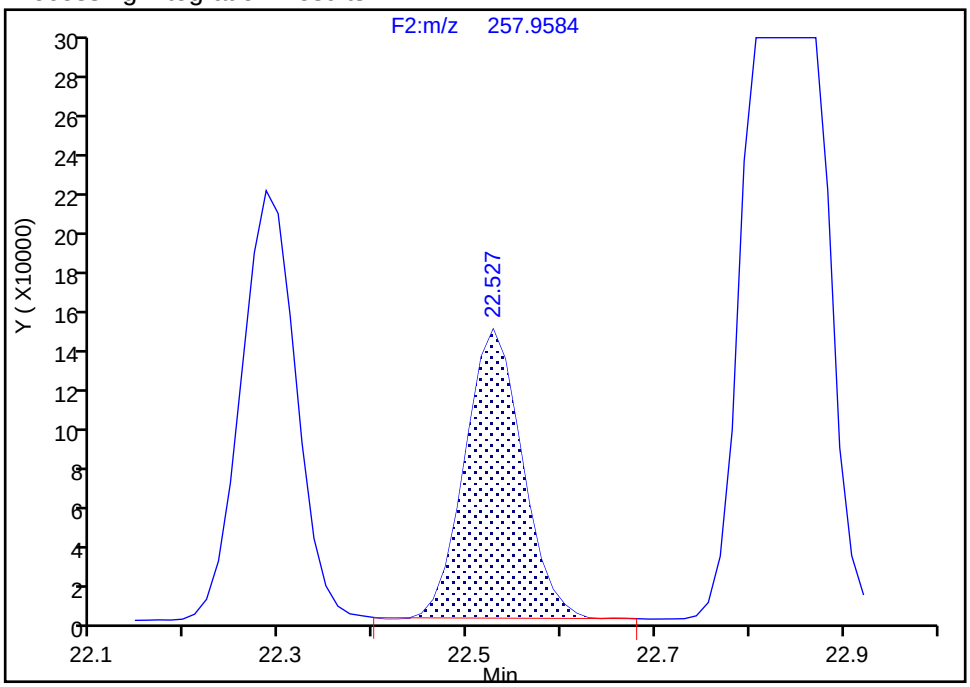
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-25, CAS: 55712-37-3

Signal: 2

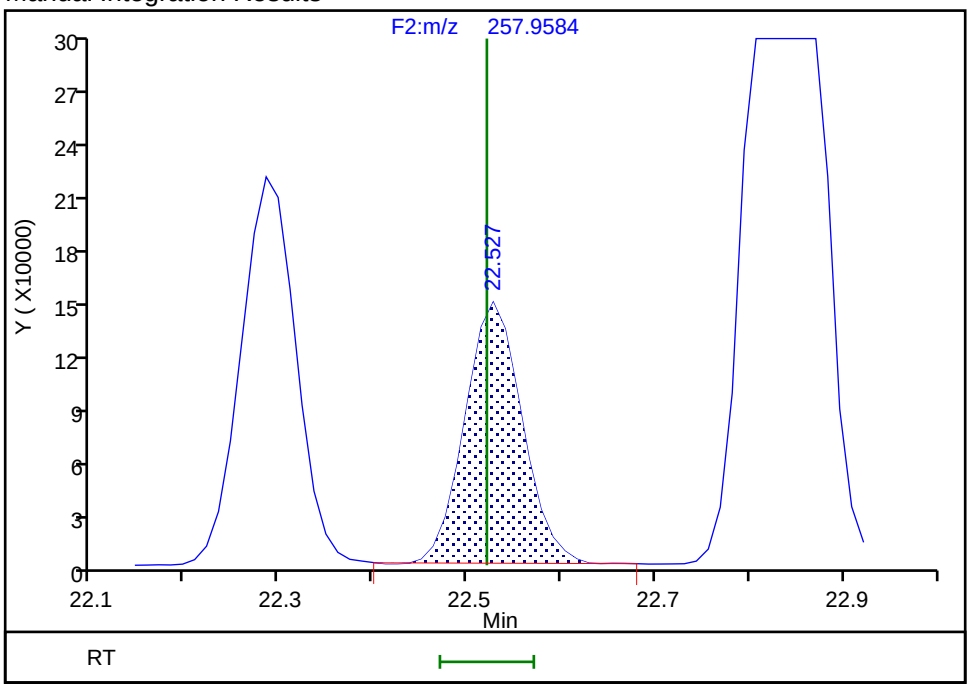
Processing Integration Results

RT: 22.53
Area: 619806
Amount: 8.545602
Amount Units: pg/ul




Manual Integration Results

RT: 22.53
Area: 619806
Amount: 11.734352
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:18:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

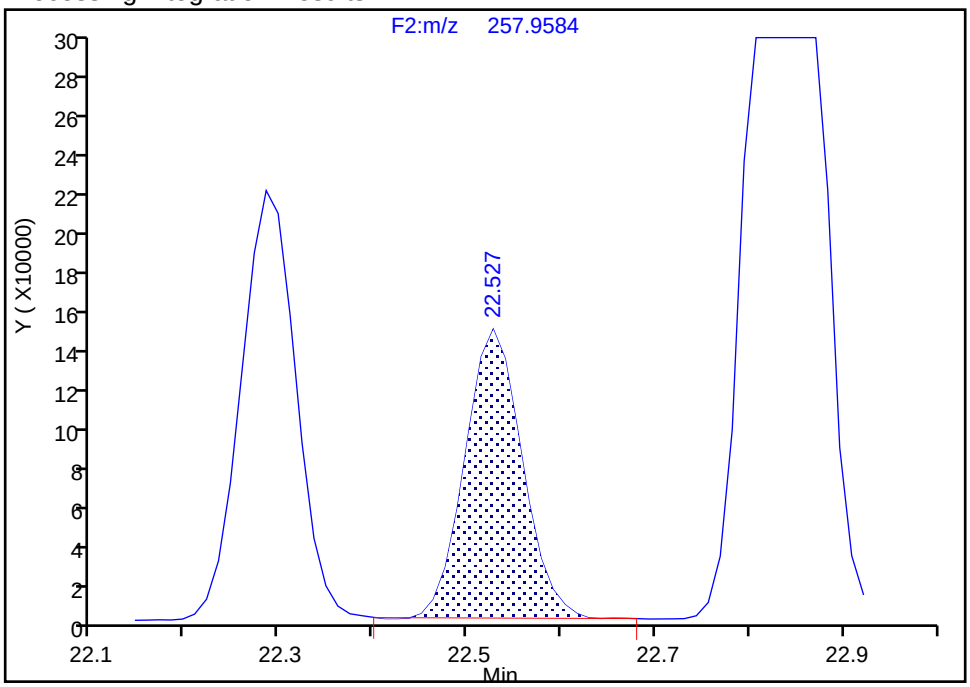
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-25, CAS: 55712-37-3

Signal: 3

Processing Integration Results

RT: 22.51
Area: 939645
Amount: 8.545602
Amount Units: pg/ul




Manual Integration Results

RT: 22.53
Area: 1290269
Amount: 11.734352
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:18:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

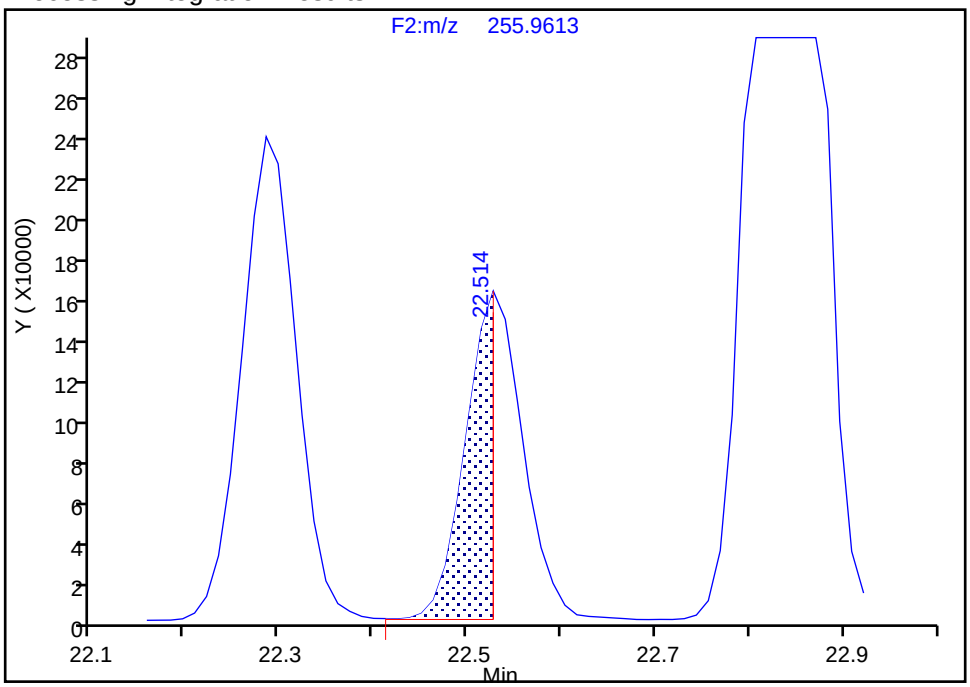
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-25, CAS: 55712-37-3

Signal: 1

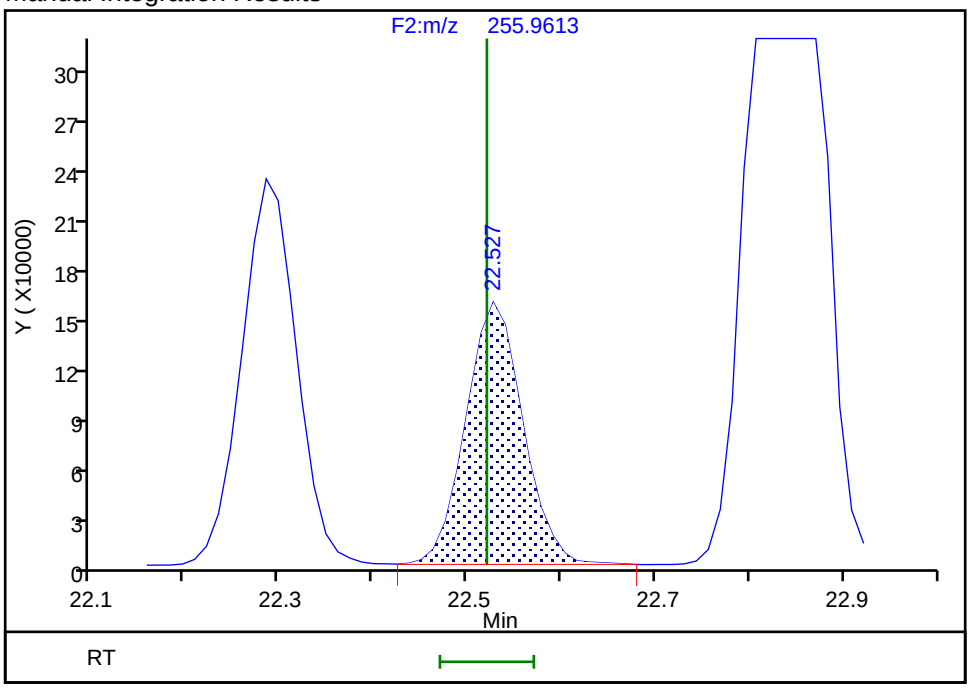
Processing Integration Results

RT: 22.51
Area: 319839
Amount: 8.545602
Amount Units: pg/ul




Manual Integration Results

RT: 22.53
Area: 670463
Amount: 11.734352
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:18:43

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

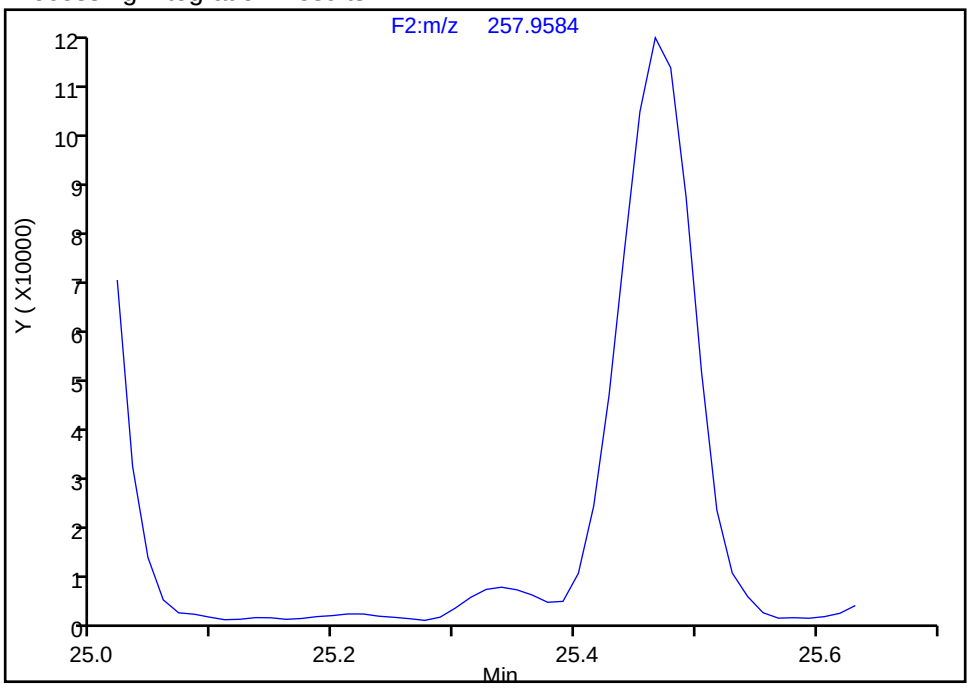
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

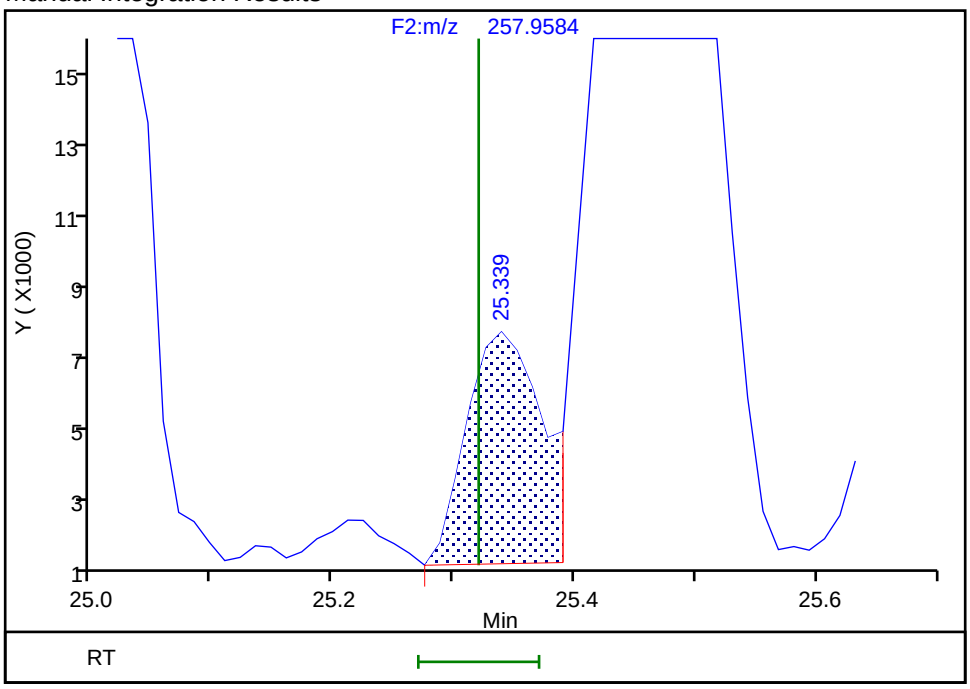
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.34
Area: 26835
Amount: 0.457570
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:19:14
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

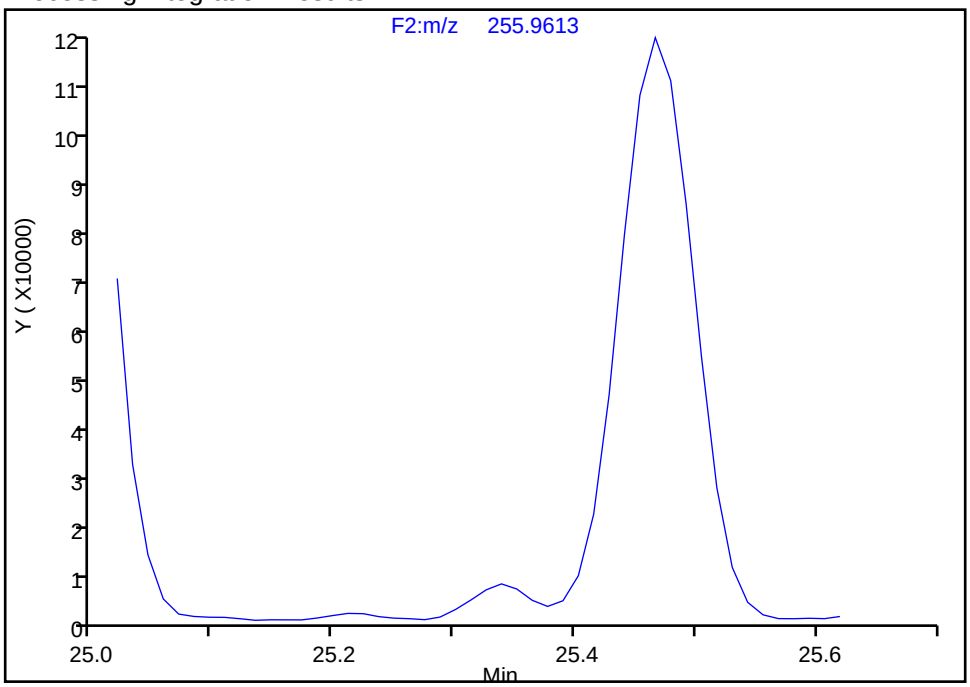
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

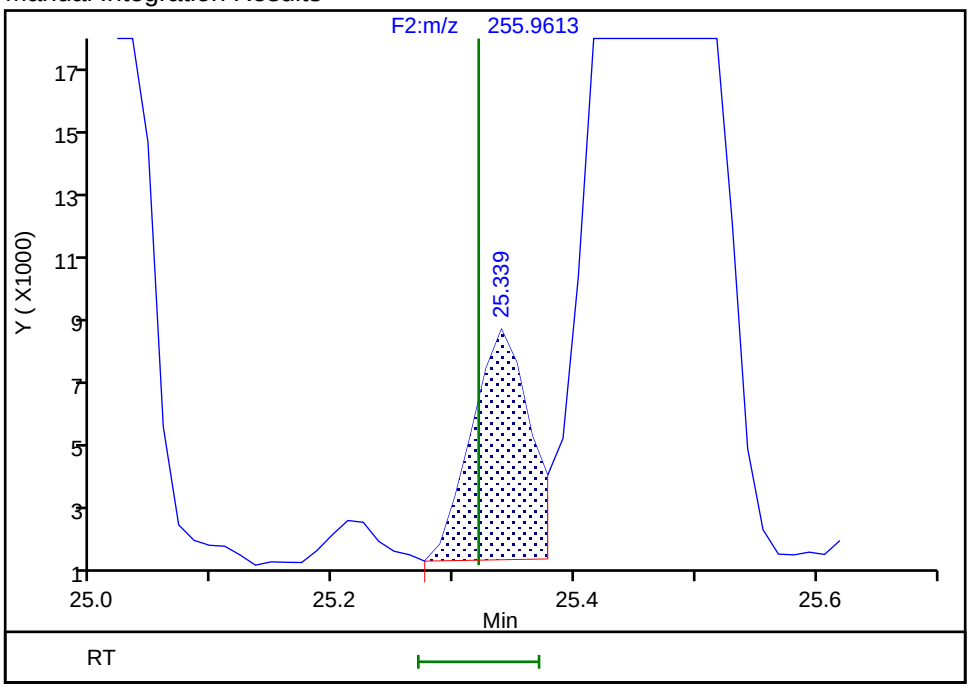
Not Detected
Expected RT: 25.32

Processing Integration Results




Manual Integration Results

RT: 25.34
Area: 23275
Amount: 0.457570
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:19:20
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

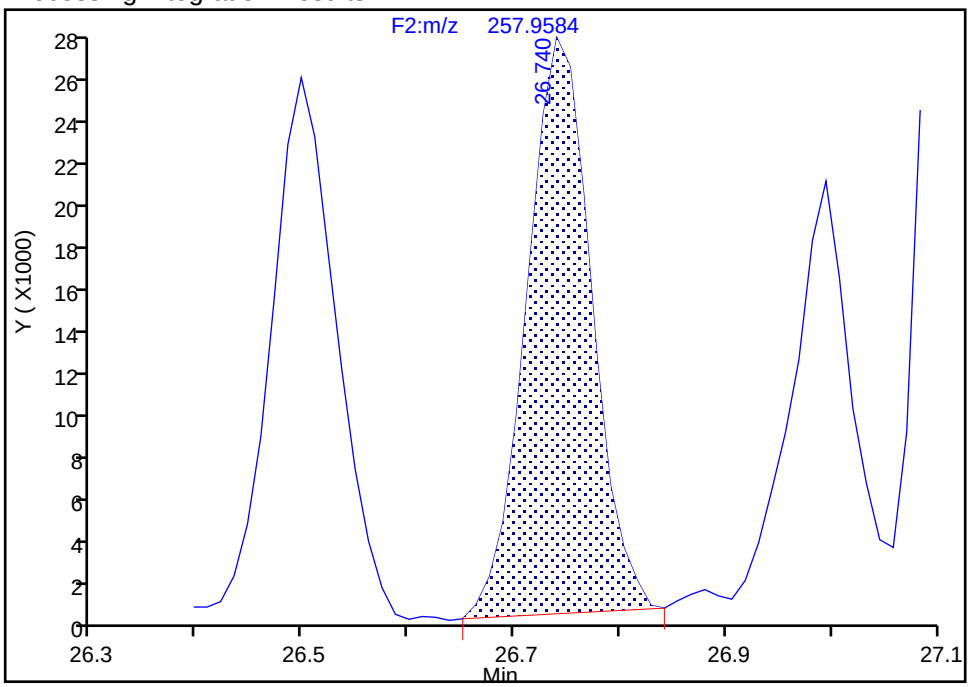
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 2

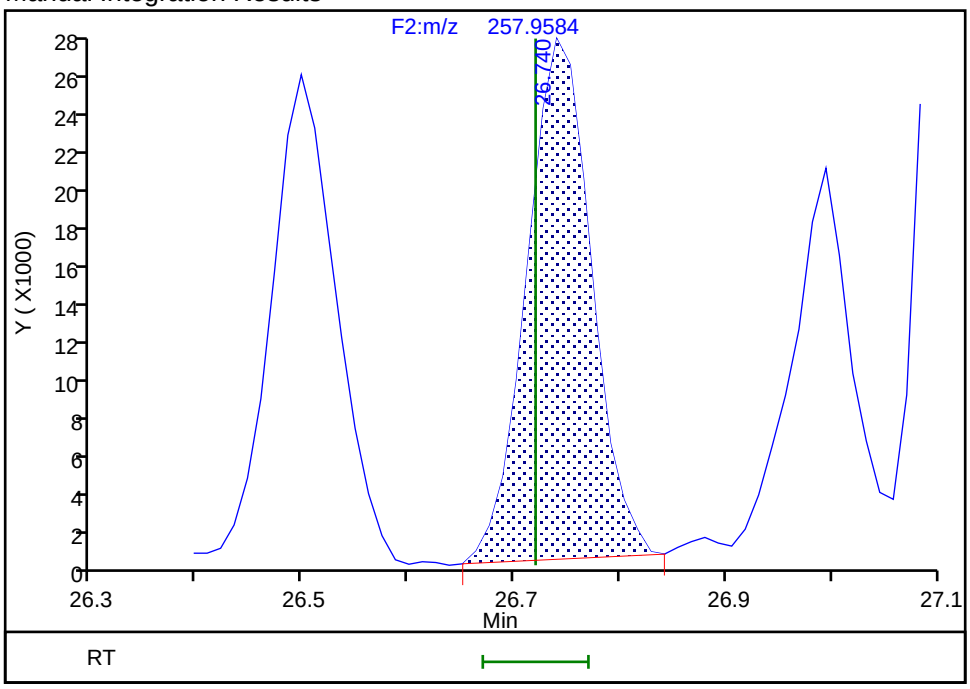
Processing Integration Results

RT: 26.74
Area: 111542
Amount: 3.274648
Amount Units: pg/ul




Manual Integration Results

RT: 26.74
Area: 111542
Amount: 2.297021
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:19:28

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

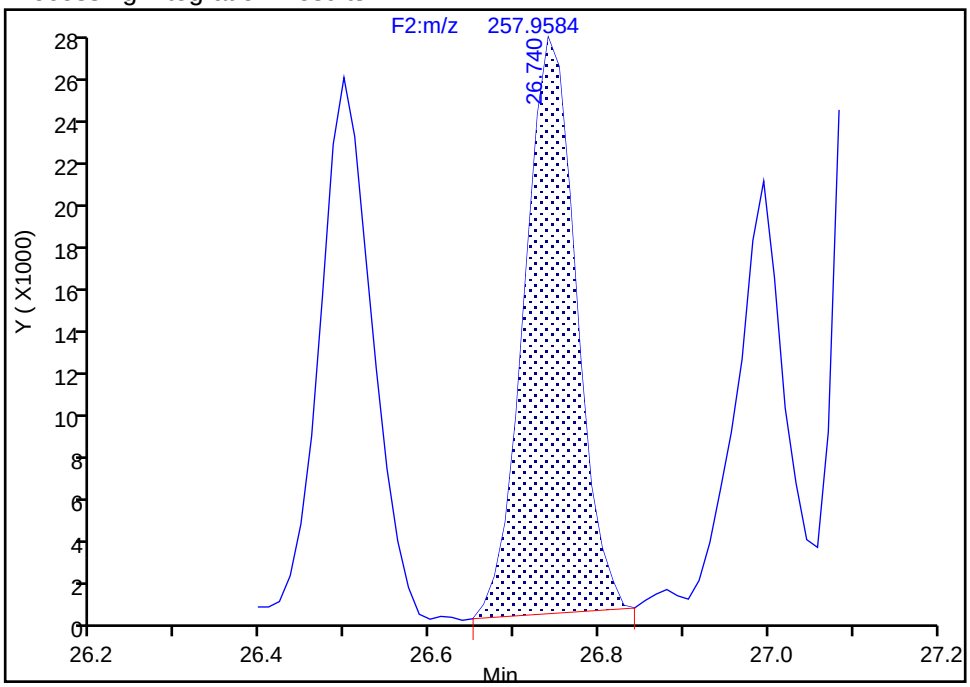
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 3

Processing Integration Results

RT: 26.74
Area: 323952
Amount: 3.274648
Amount Units: pg/ul




Manual Integration Results

RT: 26.74
Area: 227238
Amount: 2.297021
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:19:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

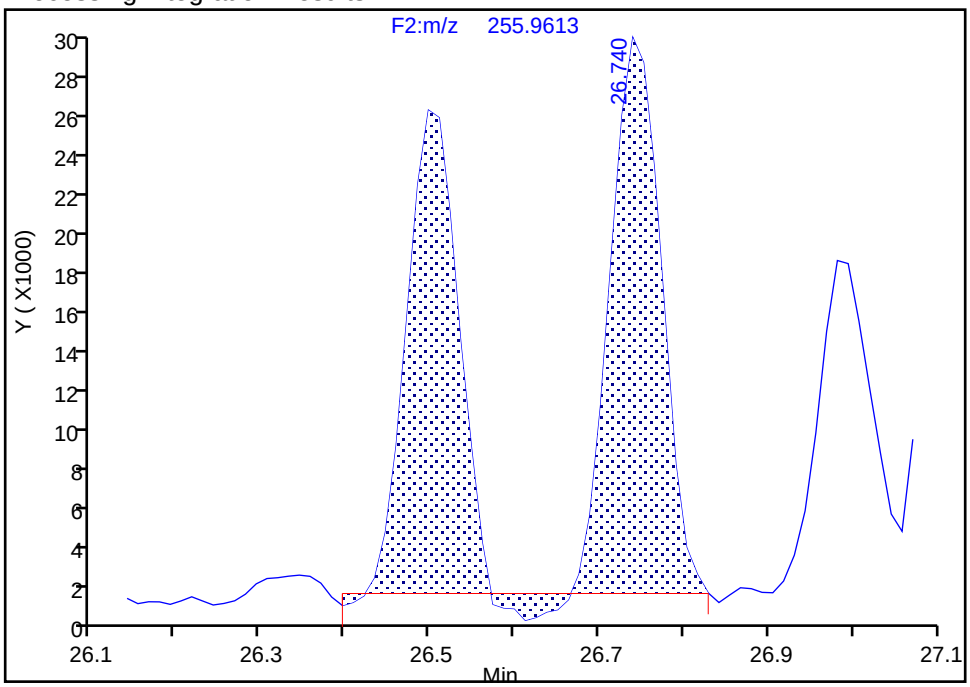
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 1

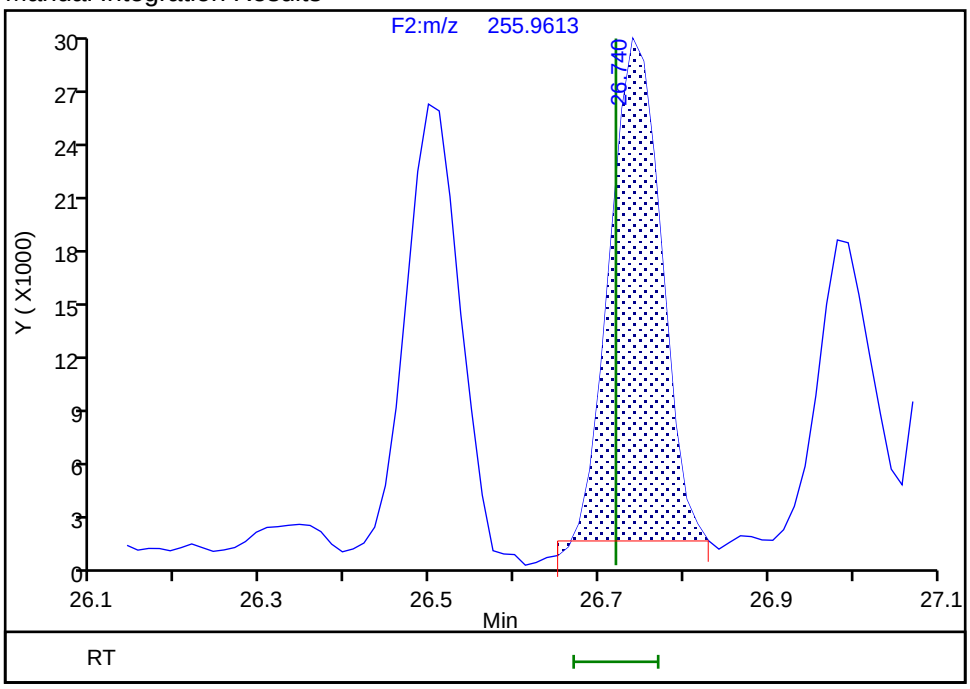
Processing Integration Results

RT: 26.74
Area: 212410
Amount: 3.274648
Amount Units: pg/ul




Manual Integration Results

RT: 26.74
Area: 115696
Amount: 2.297021
Amount Units: pg/ul



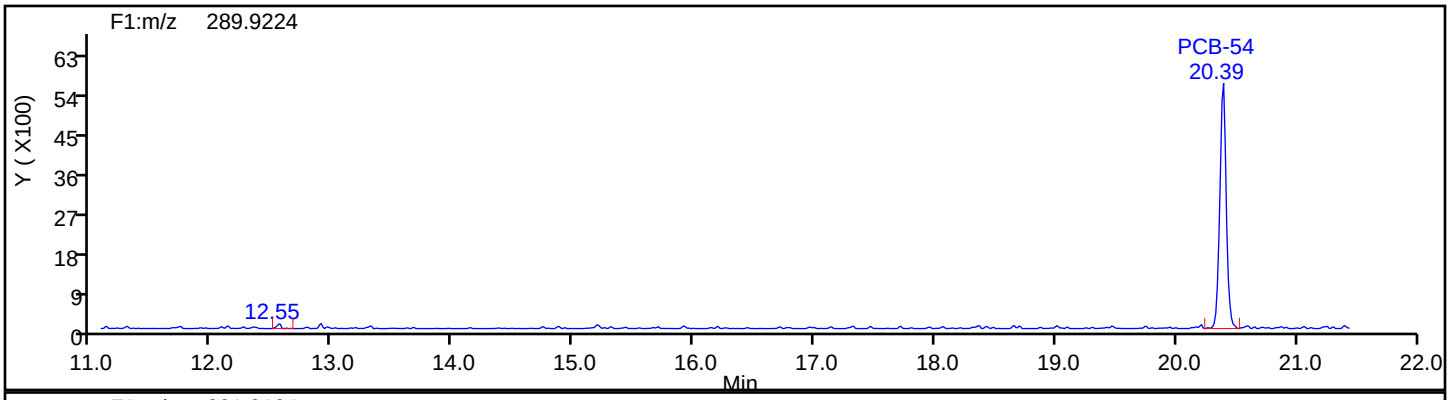

Reviewer: mcwhirterl, 09-Oct-2019 21:19:30
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

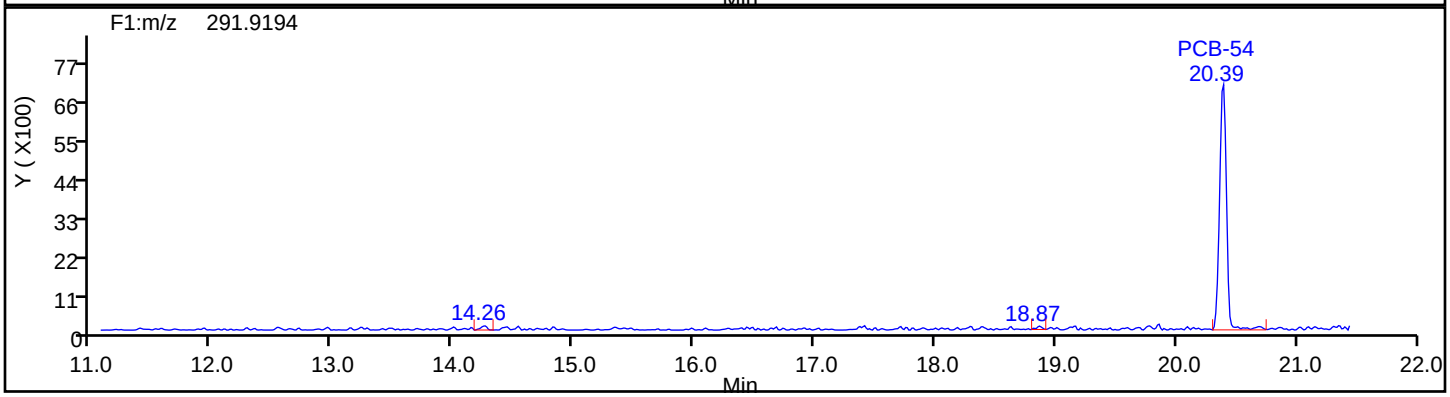
Report Date: 09-Oct-2019 21:41:52 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

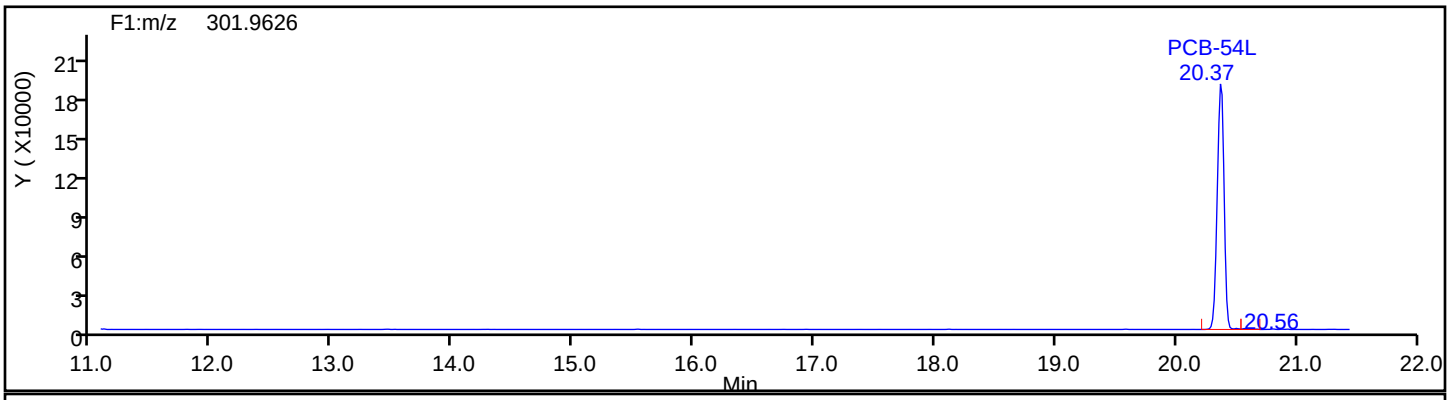
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

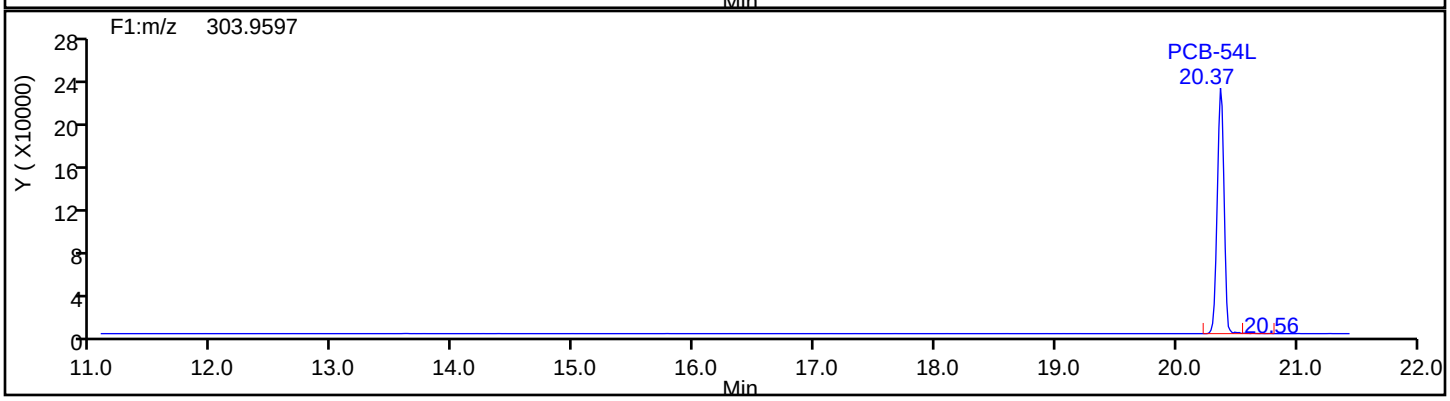
TePCB F1




TePCB F1 Standards



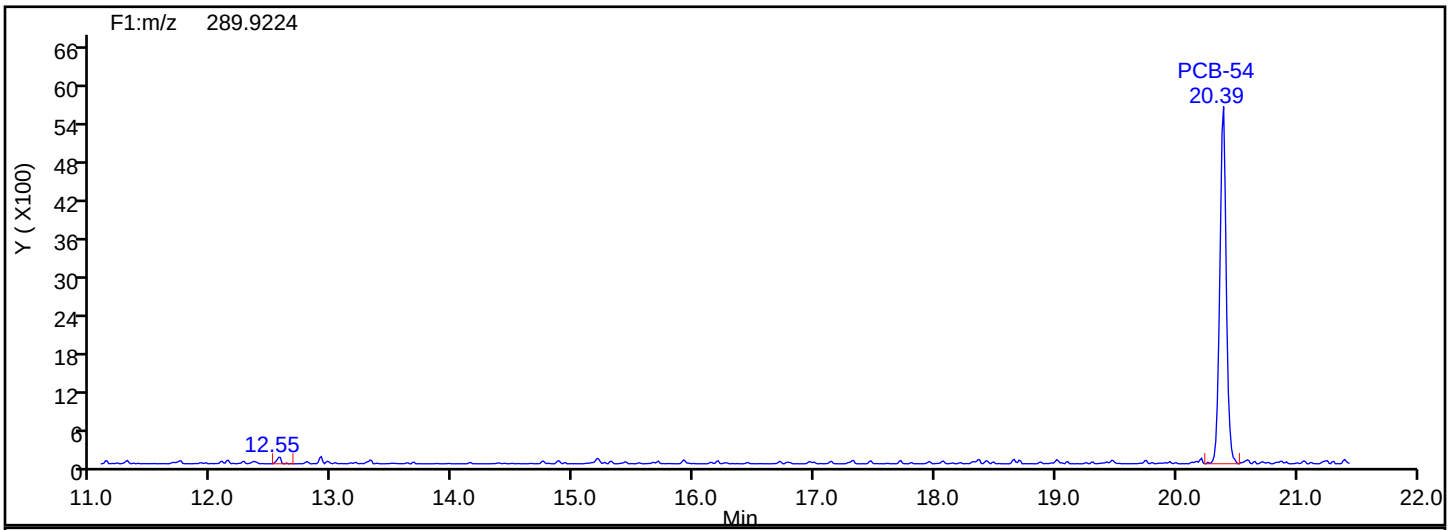



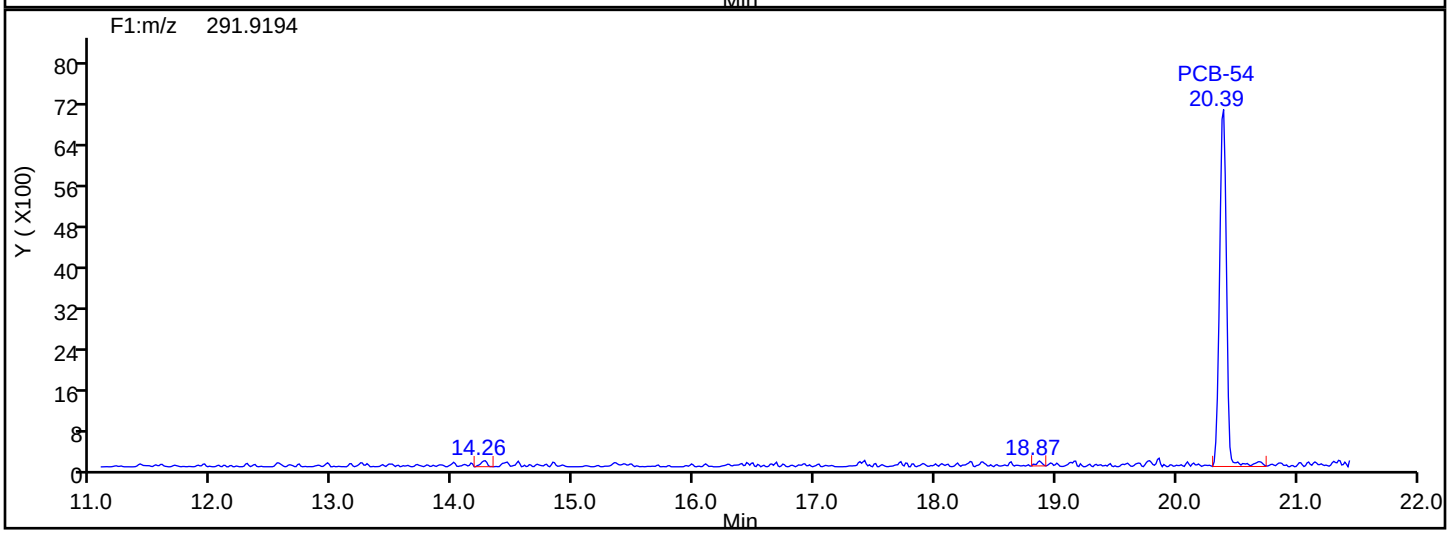
Report Date: 09-Oct-2019 21:41:52 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

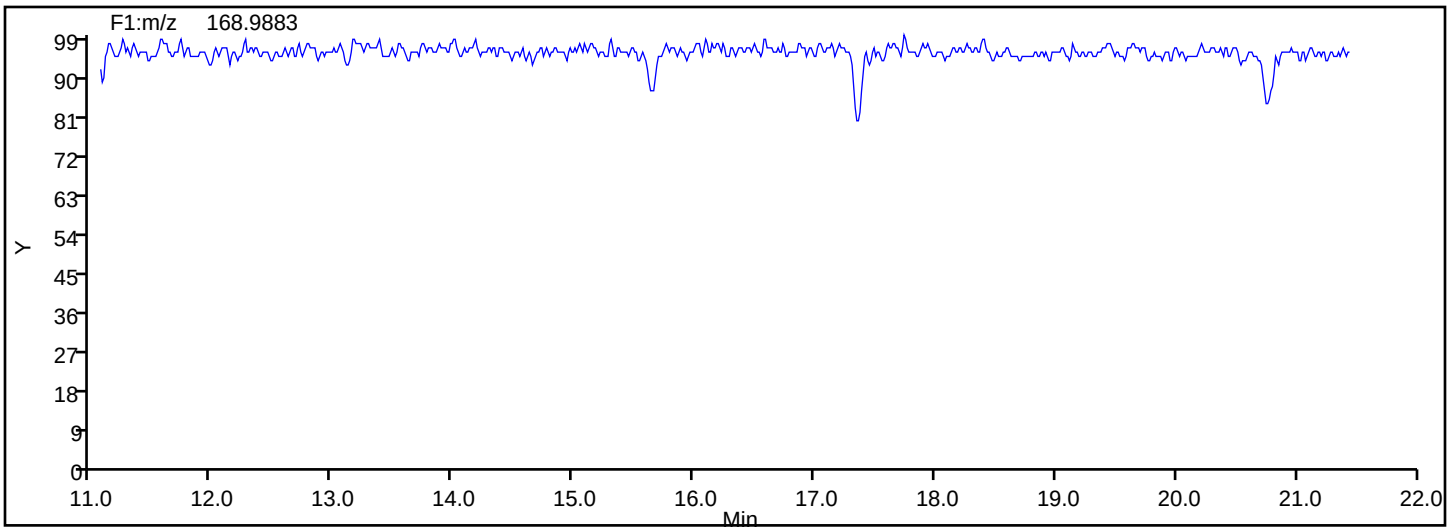
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass

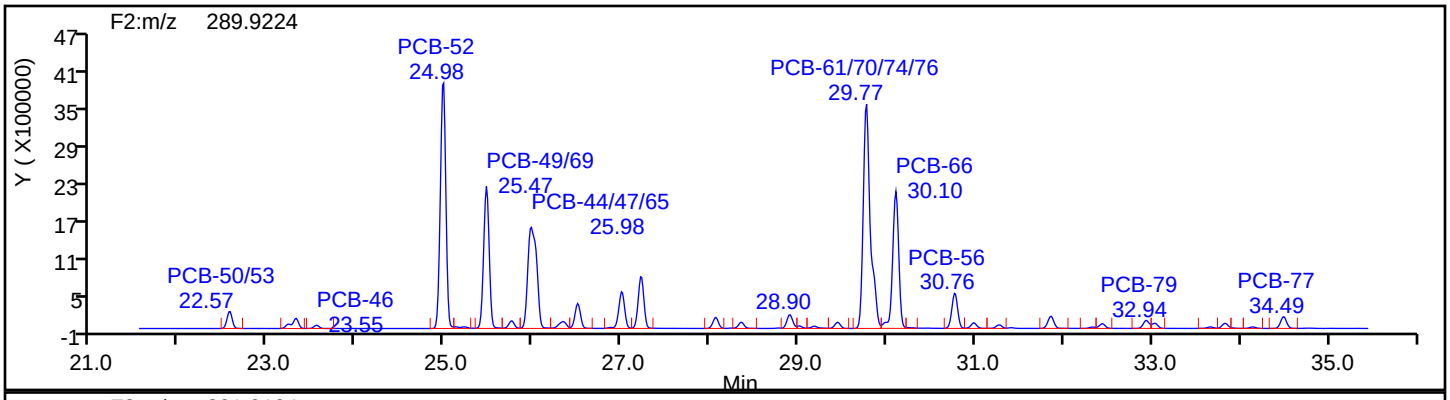


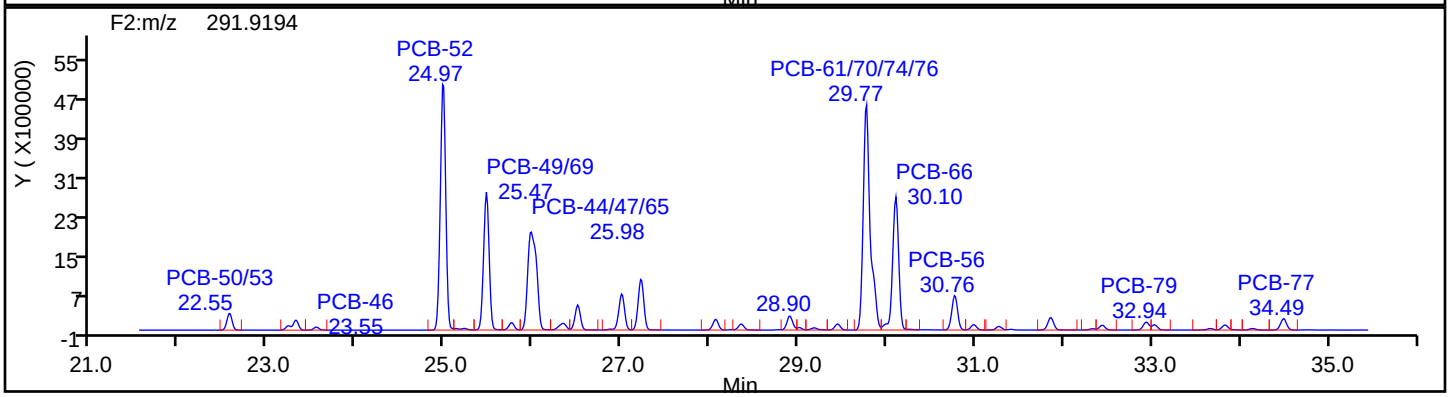
Report Date: 09-Oct-2019 21:41:52 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

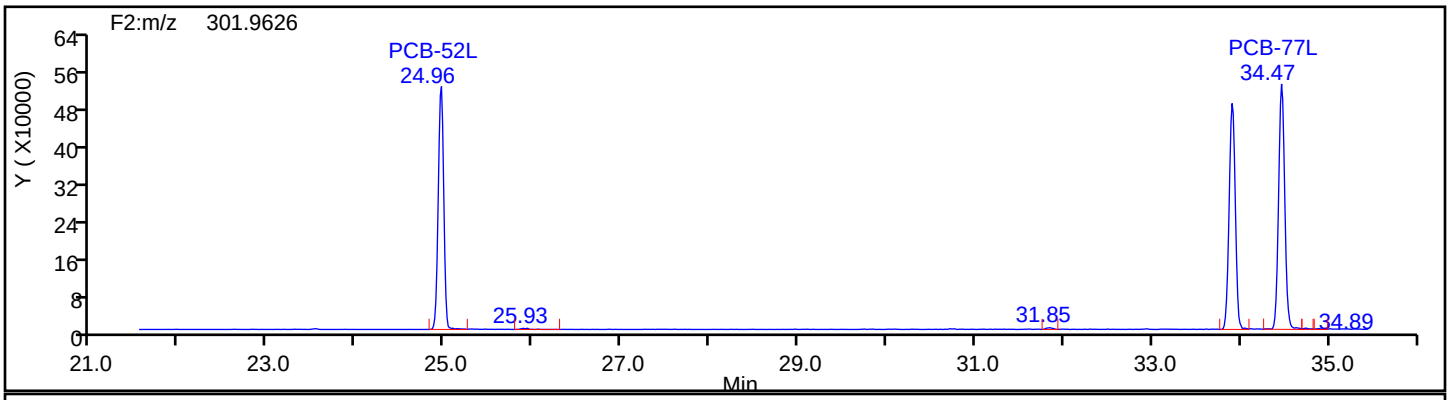
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

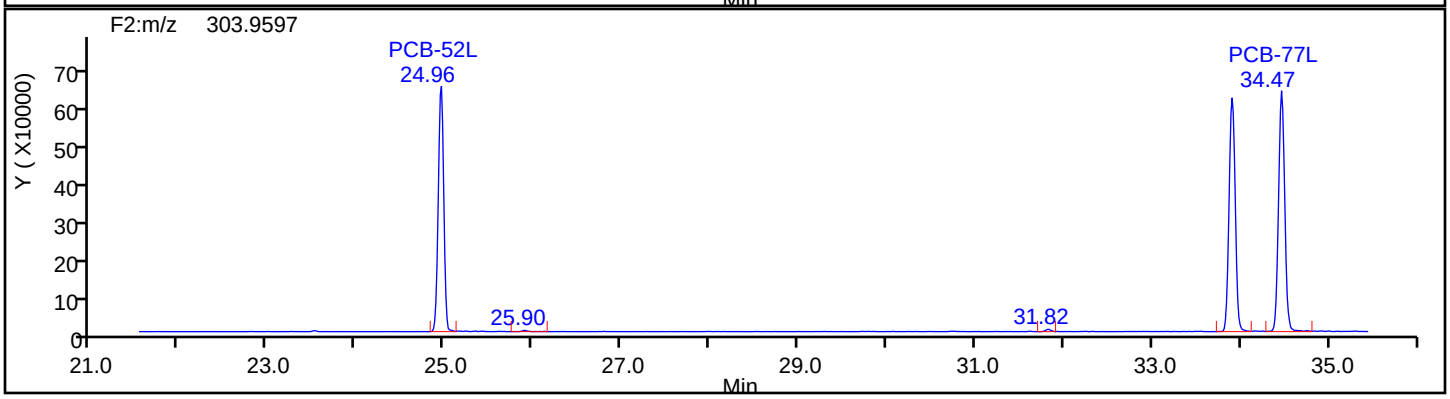
TePCB F2




TePCB F2 Standards

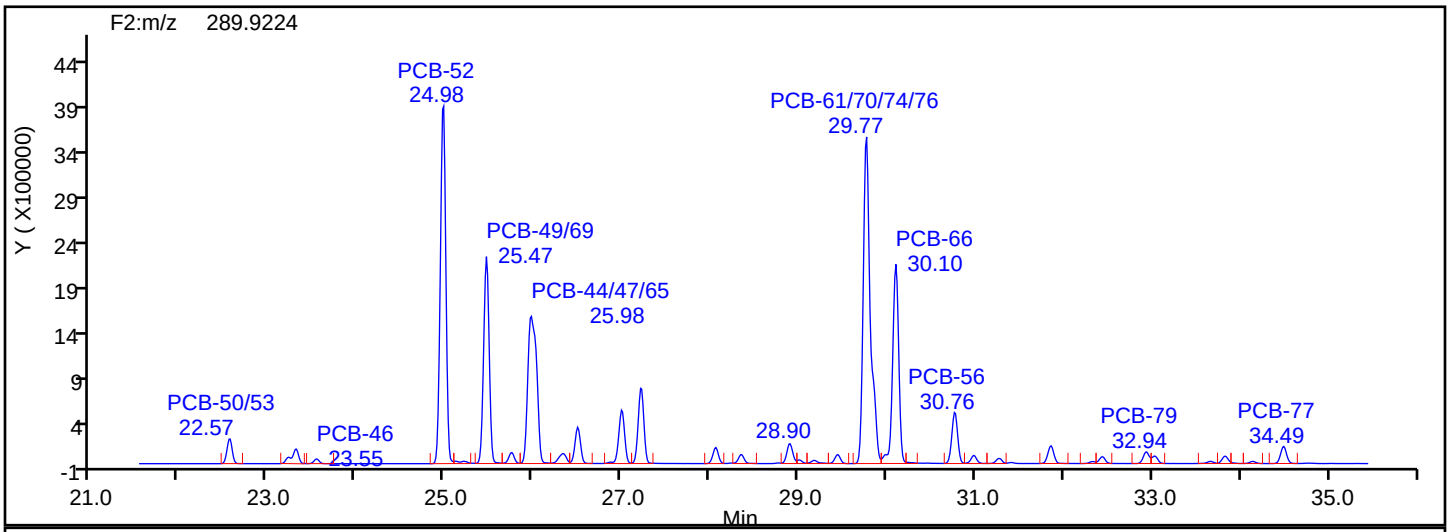


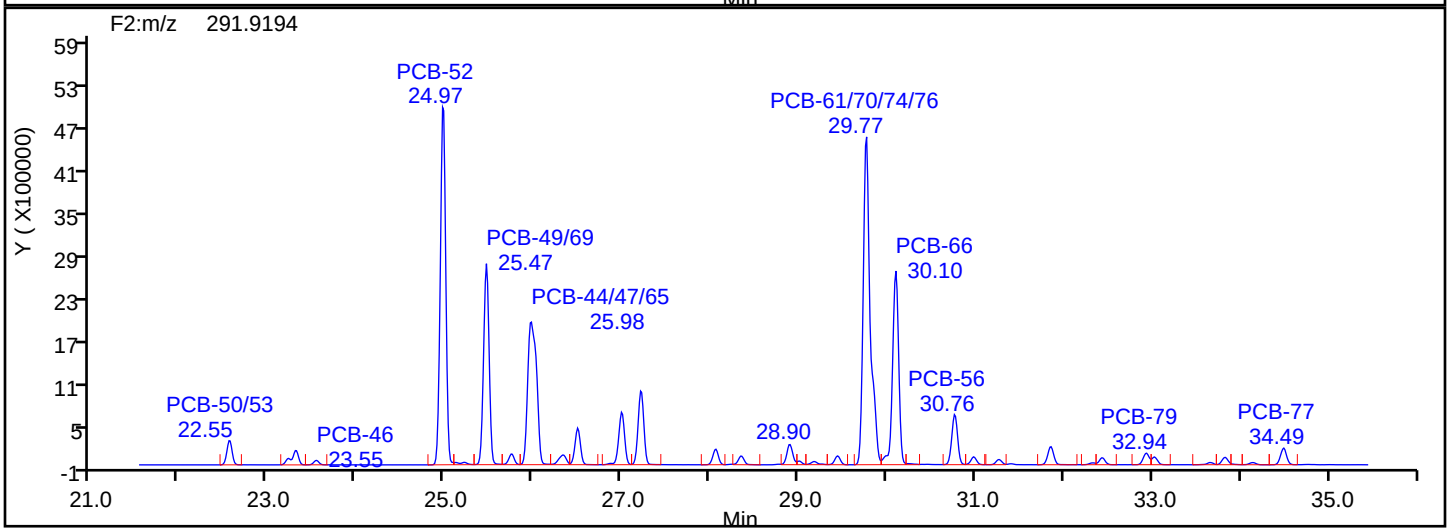



Eurofins TestAmerica, Knoxville

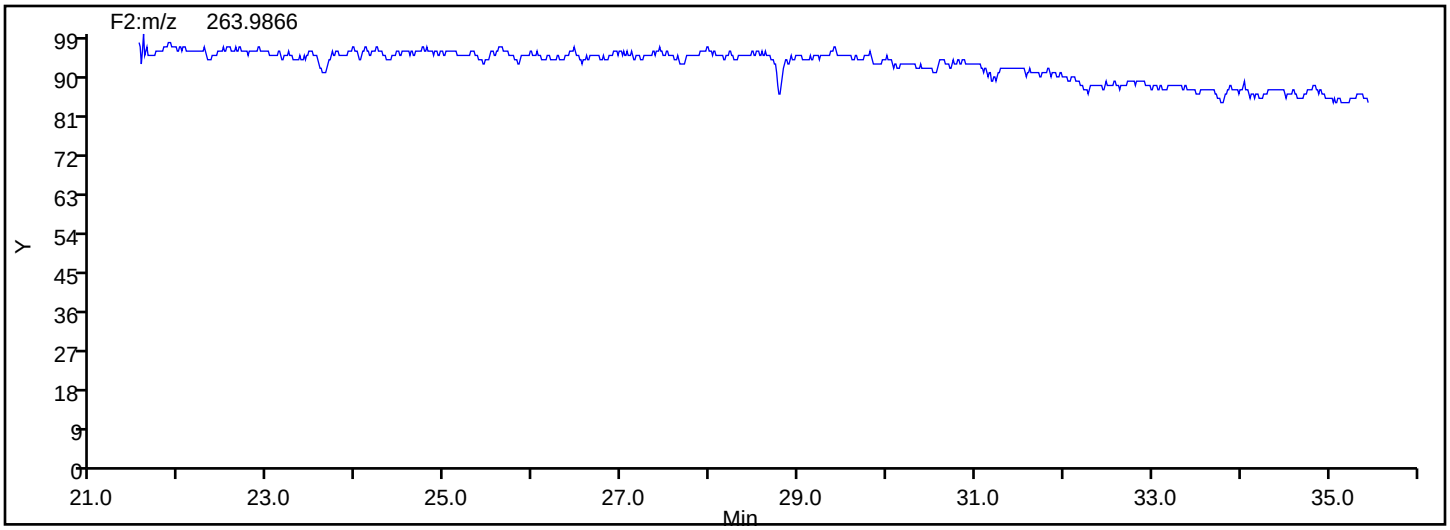
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

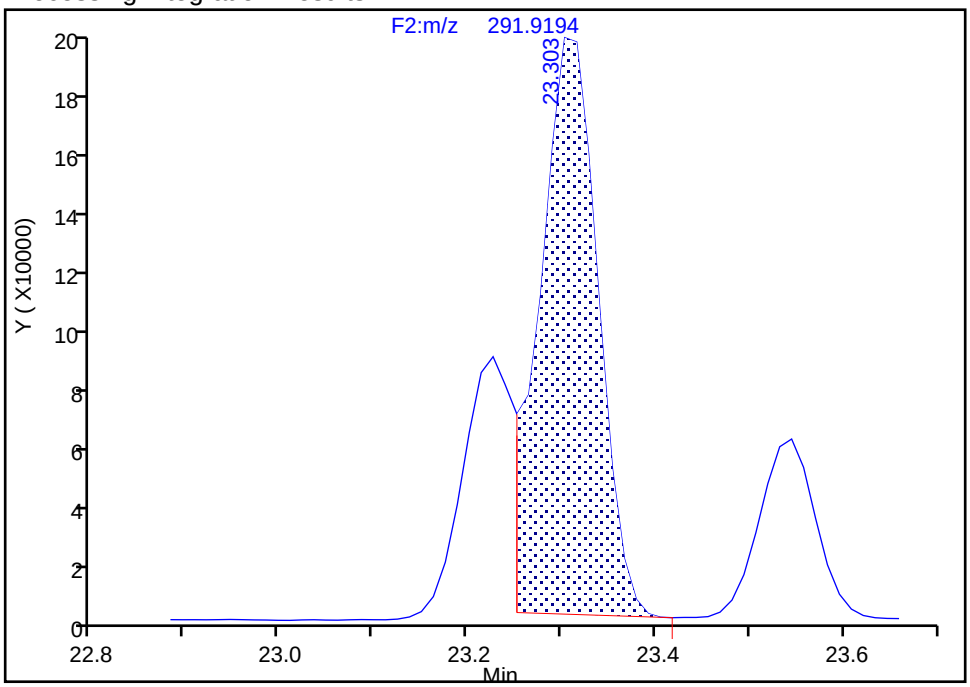
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

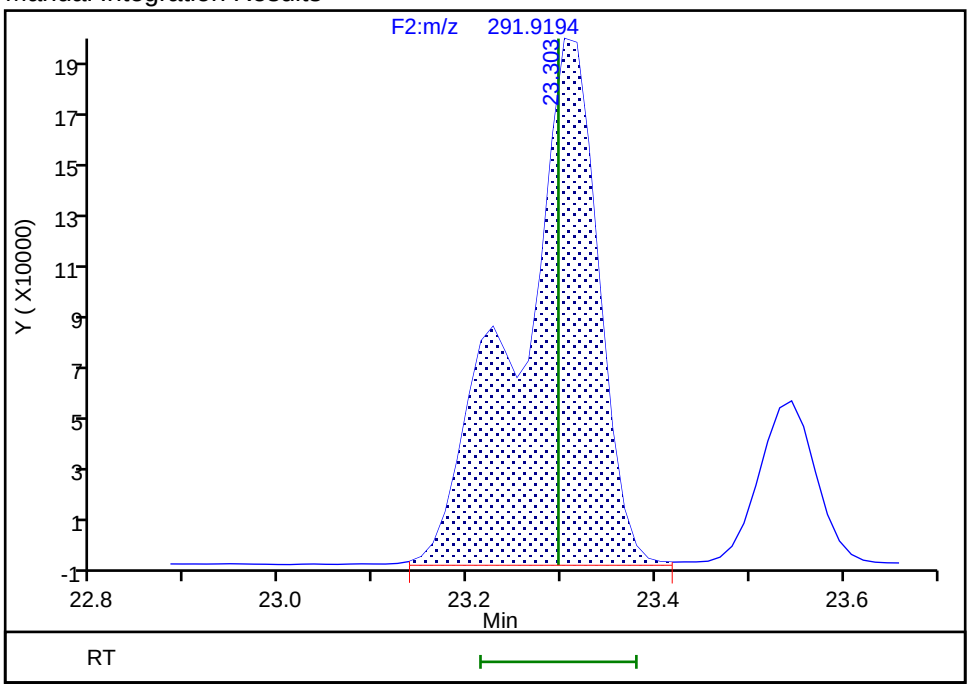
Processing Integration Results

RT: 23.30
Area: 836293
Amount: 30.693959
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 1179544
Amount: 42.973433
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:19:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

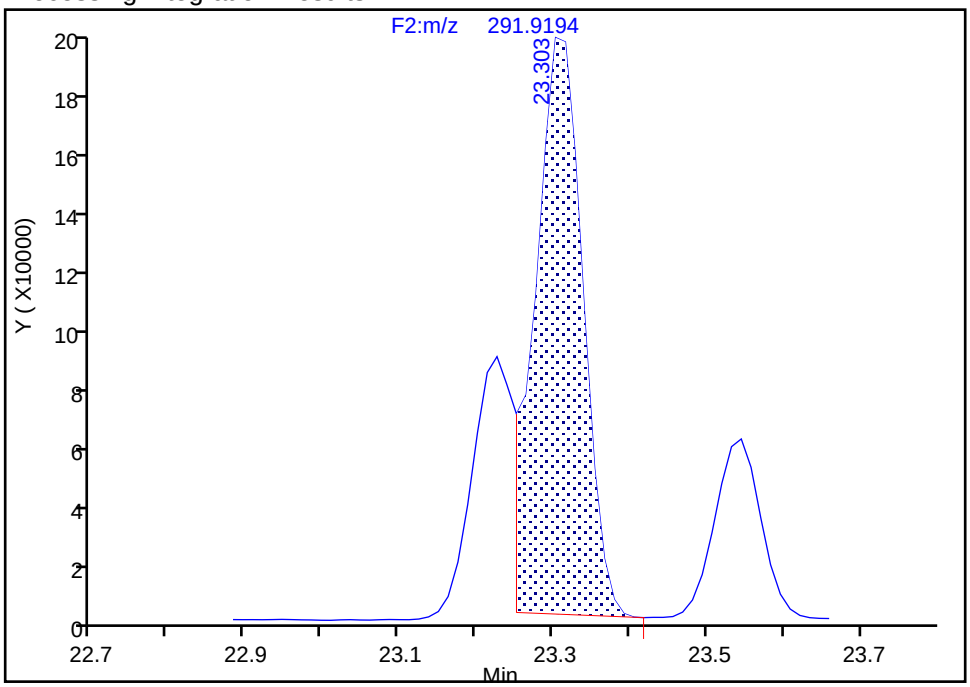
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.32
Area: 1513872
Amount: 30.693959
Amount Units: pg/ul




Manual Integration Results

RT: 23.32
Area: 2119514
Amount: 42.973433
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:19:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

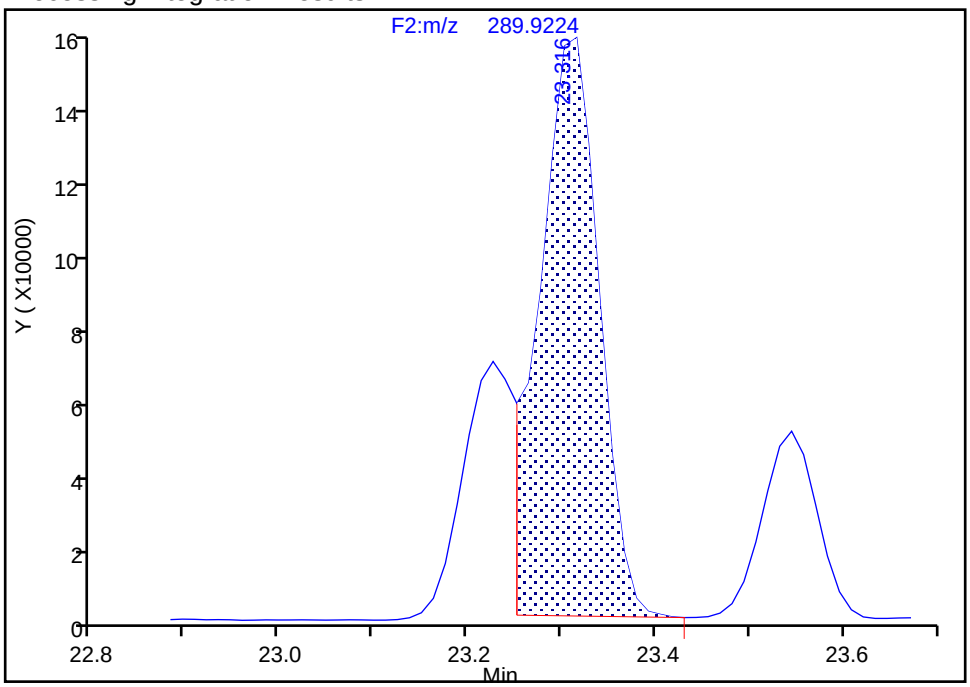
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

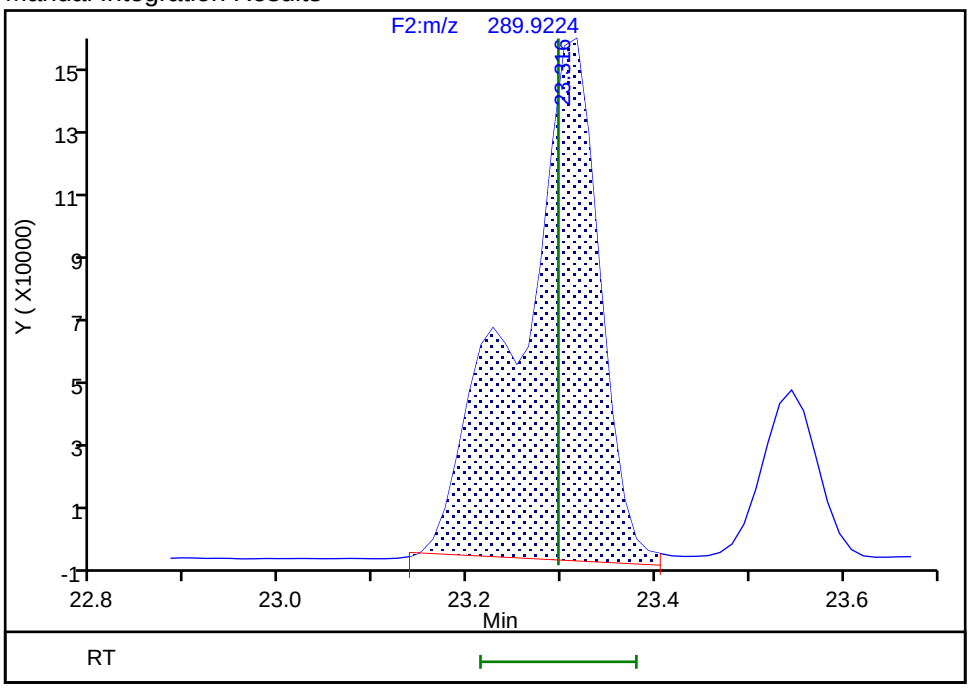
Processing Integration Results

RT: 23.32
Area: 677579
Amount: 30.693959
Amount Units: pg/ul




Manual Integration Results

RT: 23.32
Area: 939970
Amount: 42.973433
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:19:58

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

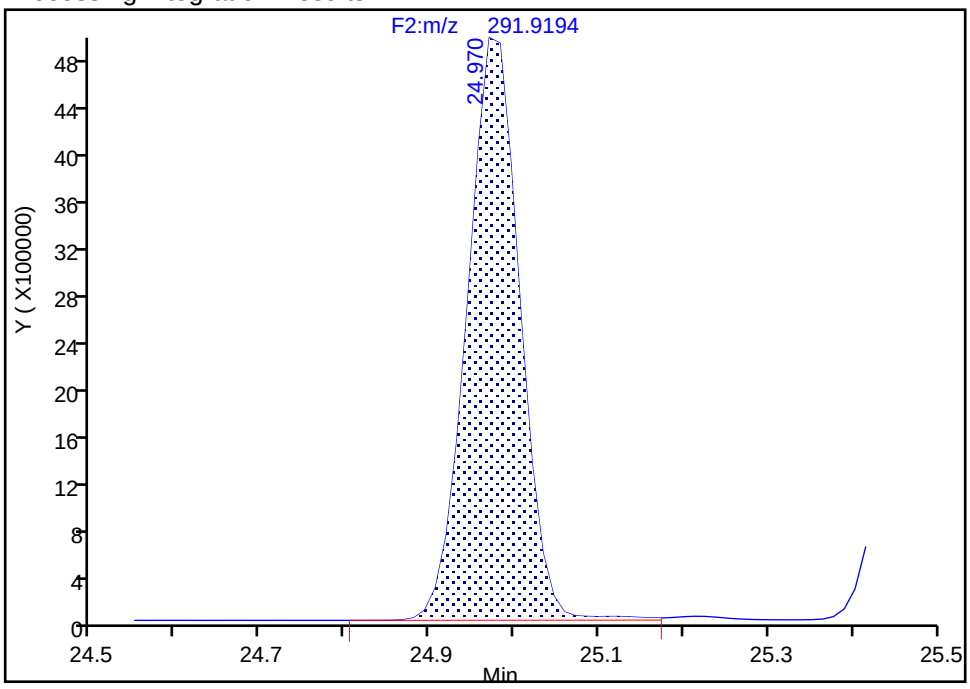
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

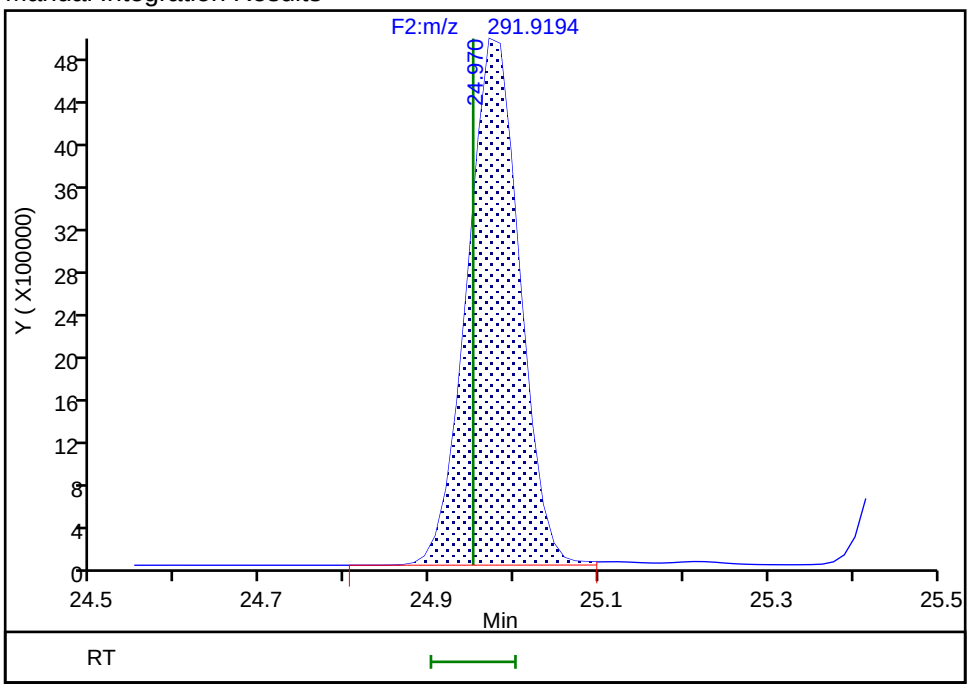
Processing Integration Results

RT: 24.97
Area: 21372200
Amount: 763.4479
Amount Units: pg/ul




Manual Integration Results

RT: 24.97
Area: 21256136
Amount: 759.2254
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:20:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

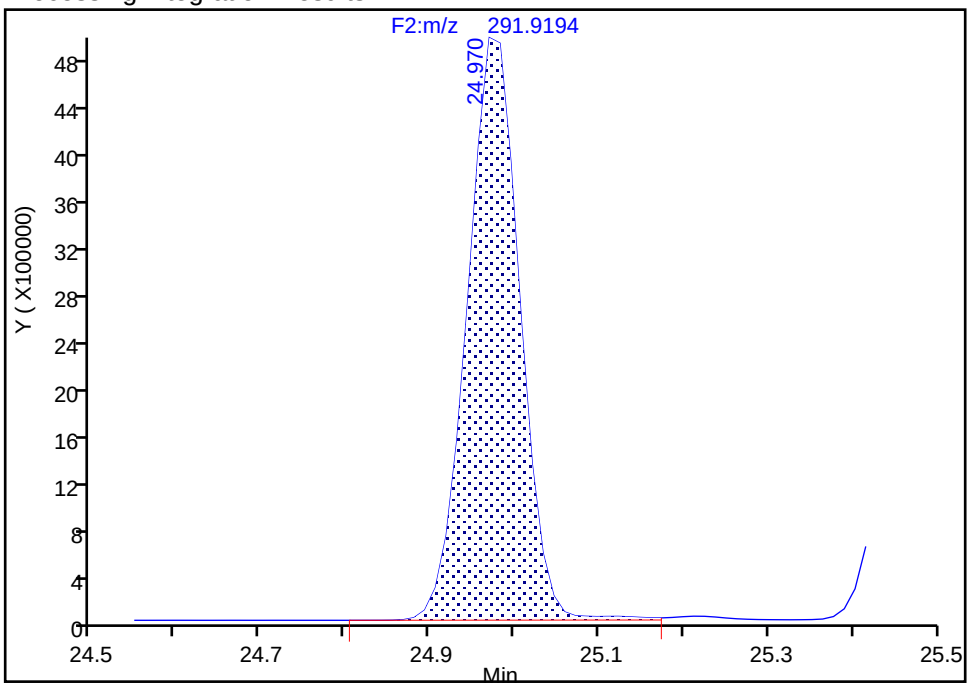
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 3

Processing Integration Results

RT: 24.98
Area: 38259224
Amount: 763.4479
Amount Units: pg/ul




Manual Integration Results

RT: 24.98
Area: 38047617
Amount: 759.2254
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:20:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

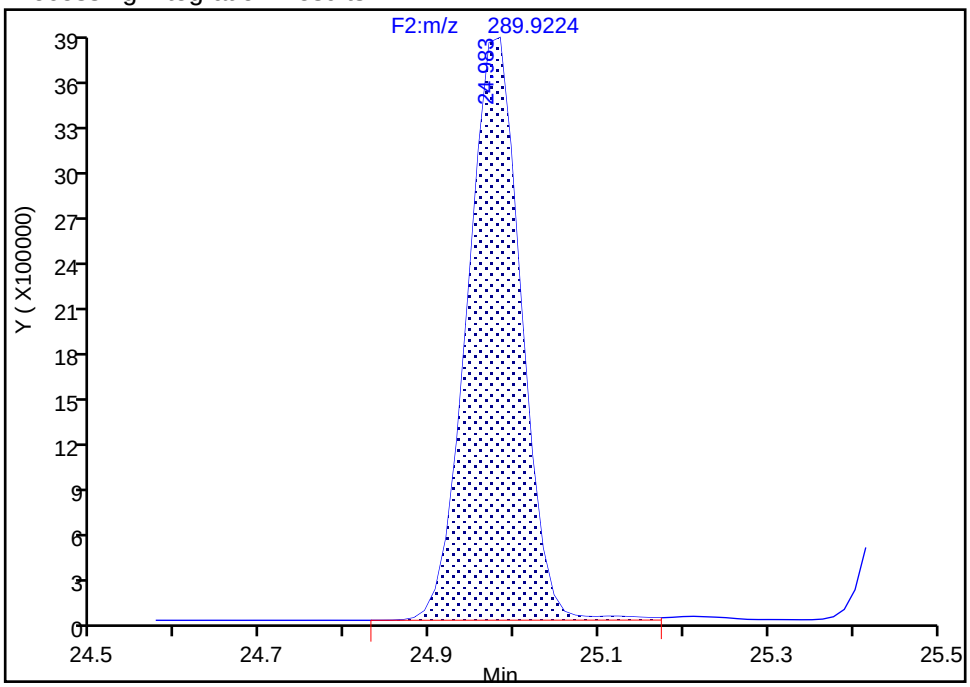
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

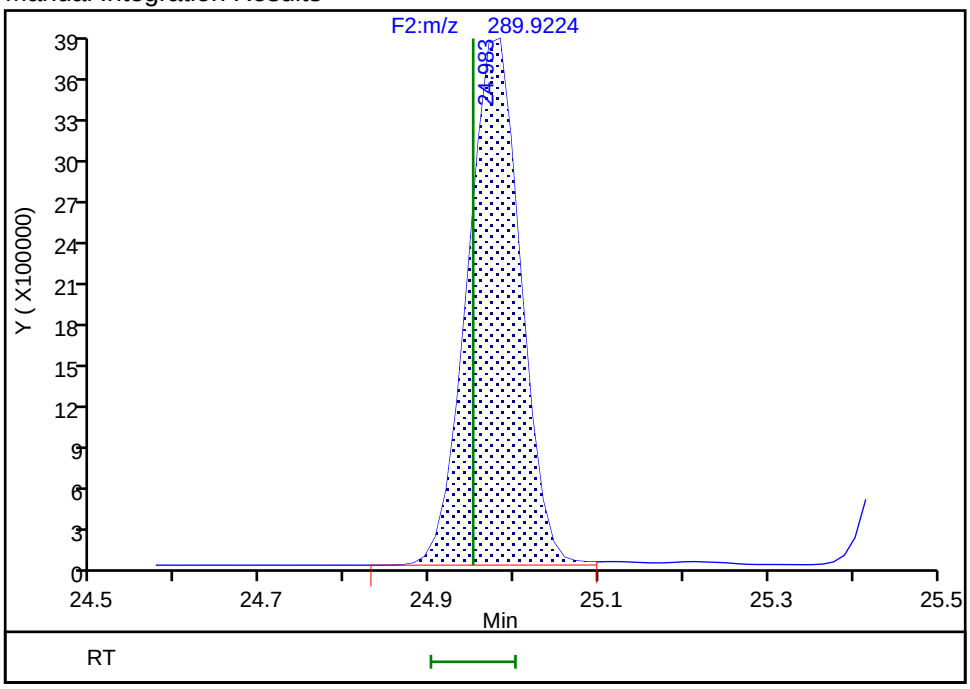
Processing Integration Results

RT: 24.98
Area: 16887024
Amount: 763.4479
Amount Units: pg/ul




Manual Integration Results

RT: 24.98
Area: 16791481
Amount: 759.2254
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:20:16

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

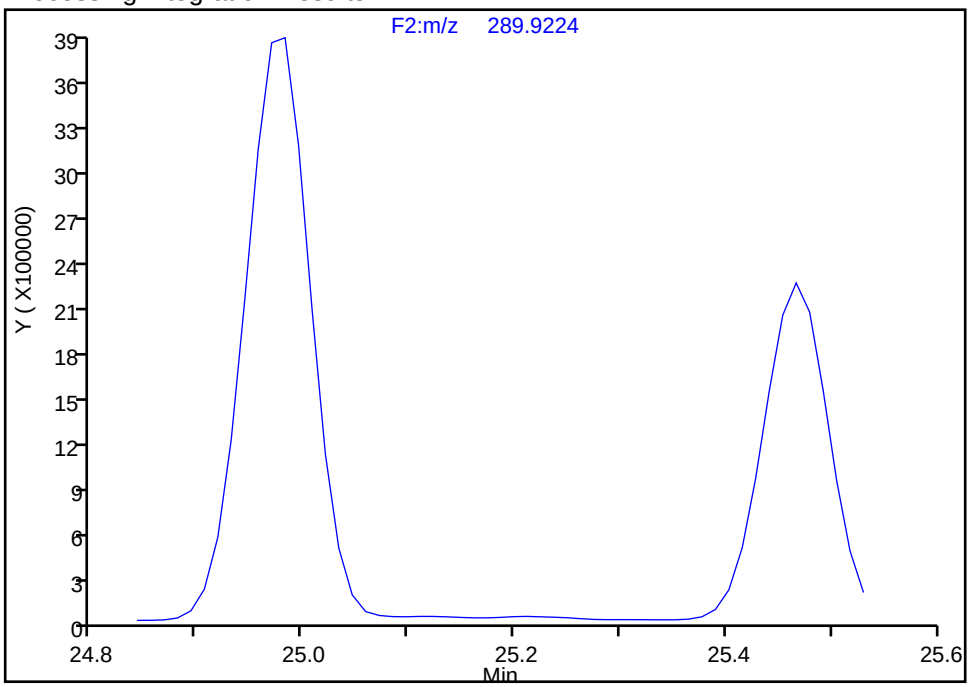
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

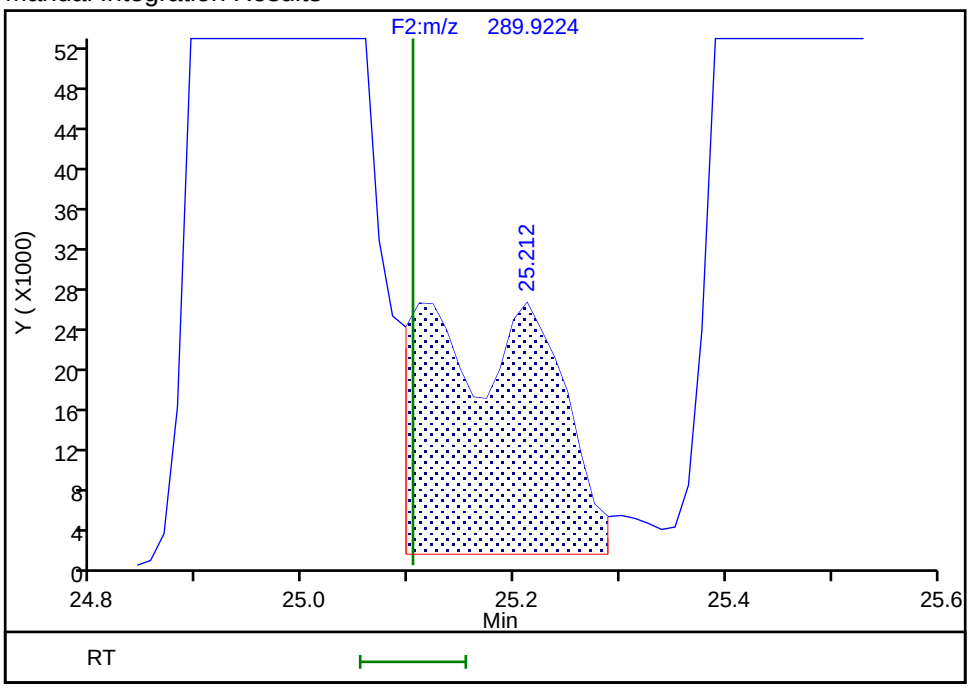
Not Detected
Expected RT: 25.10

Processing Integration Results




Manual Integration Results

RT: 25.21
Area: 210983
Amount: 8.569554
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:20:40
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

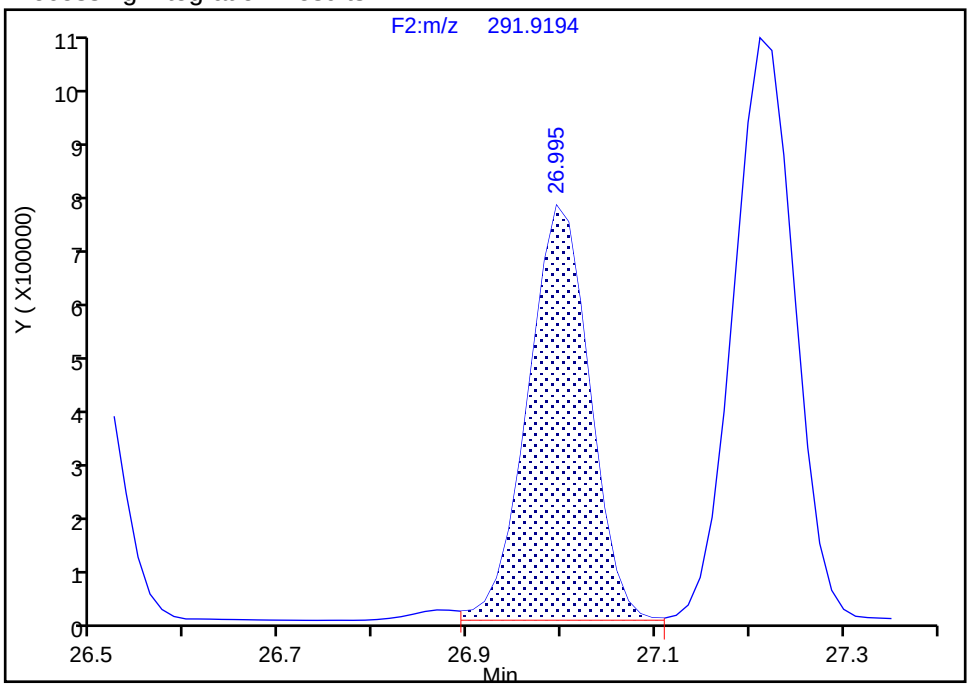
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

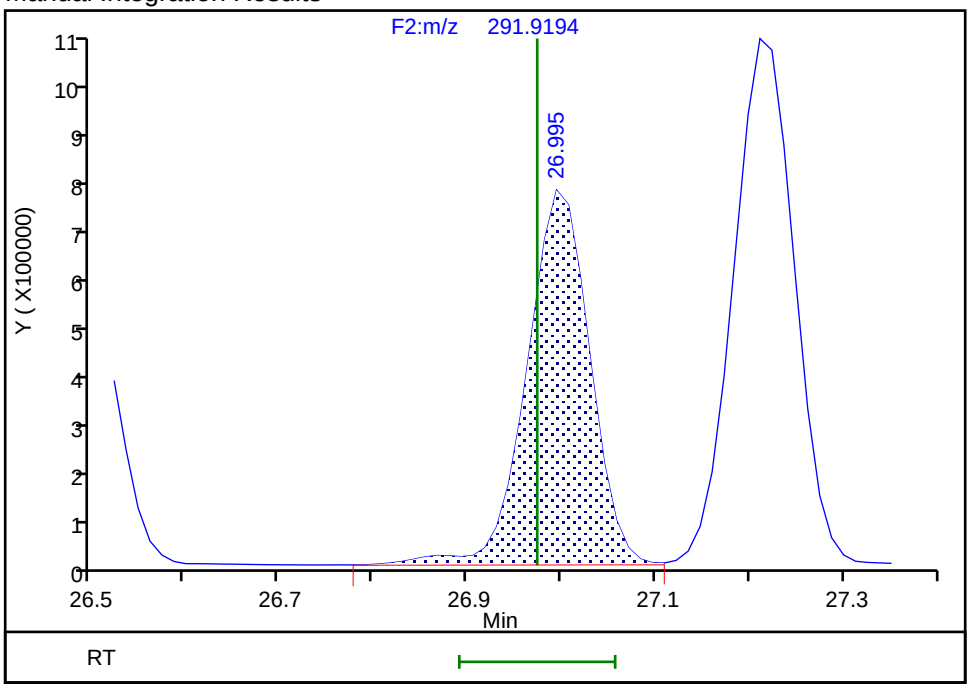
Processing Integration Results

RT: 26.99
Area: 3313926
Amount: 116.5230
Amount Units: pg/ul




Manual Integration Results

RT: 26.99
Area: 3383305
Amount: 118.8843
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:21:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

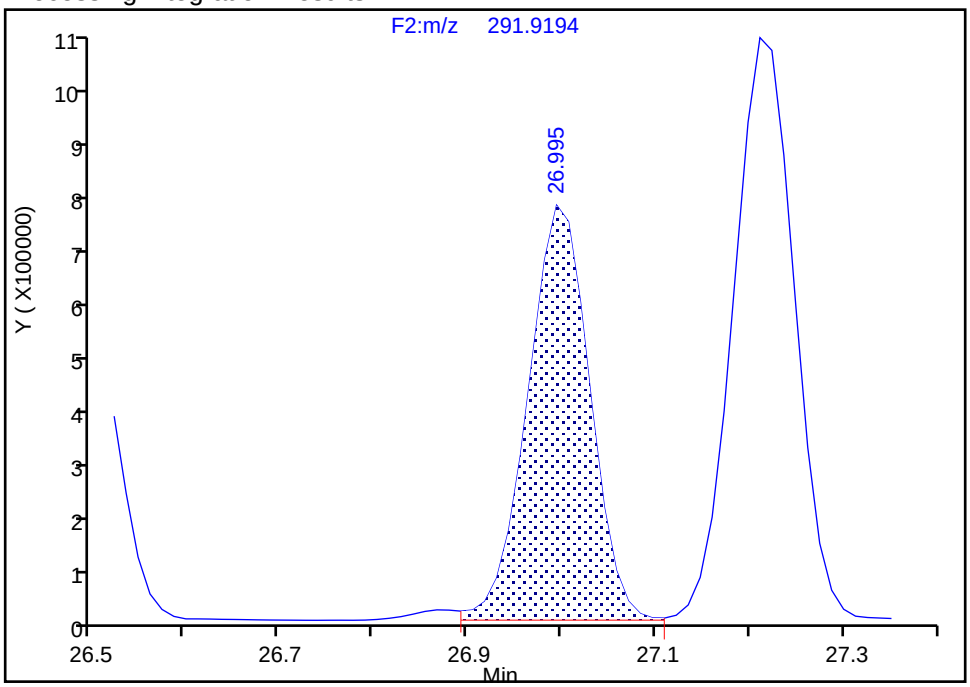
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.99
Area: 5960535
Amount: 116.5230
Amount Units: pg/ul




Manual Integration Results

RT: 26.99
Area: 6081325
Amount: 118.8843
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:21:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

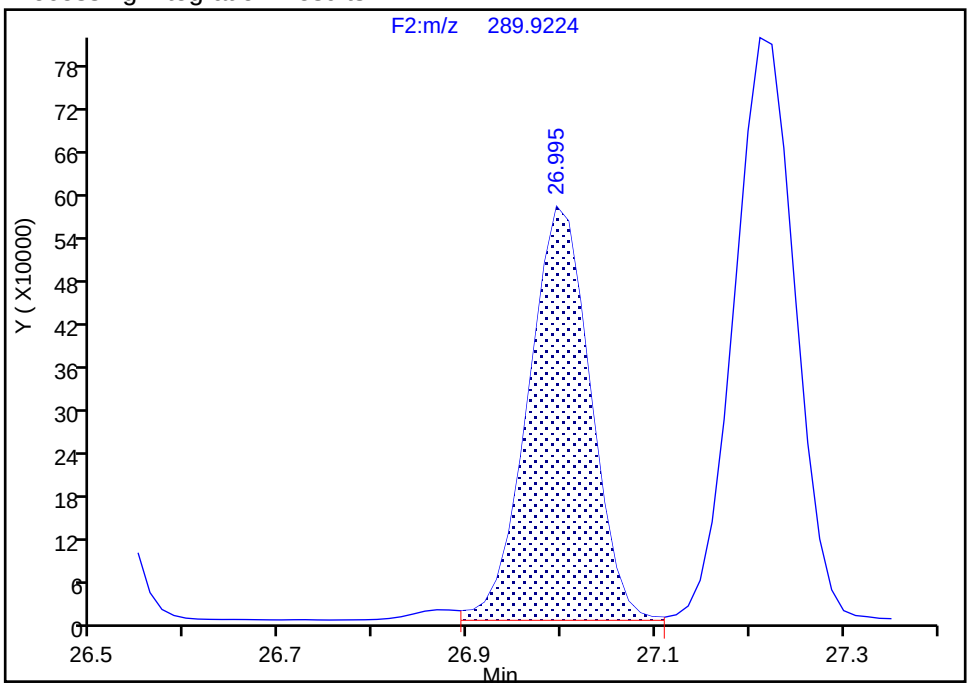
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

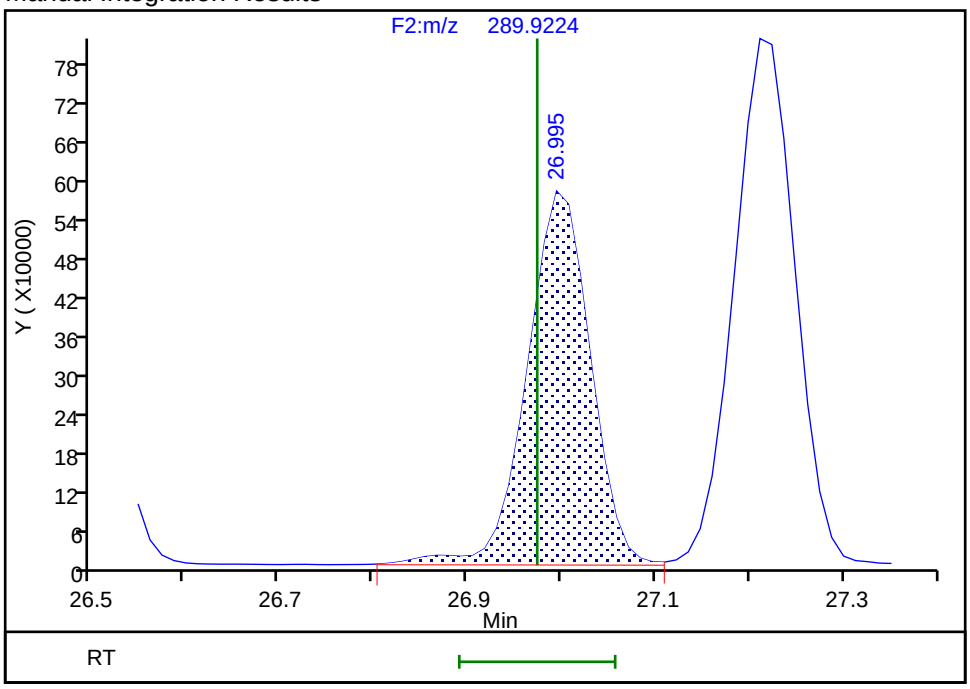
Processing Integration Results

RT: 26.99
Area: 2646609
Amount: 116.5230
Amount Units: pg/ul




Manual Integration Results

RT: 26.99
Area: 2698020
Amount: 118.8843
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:21:12

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

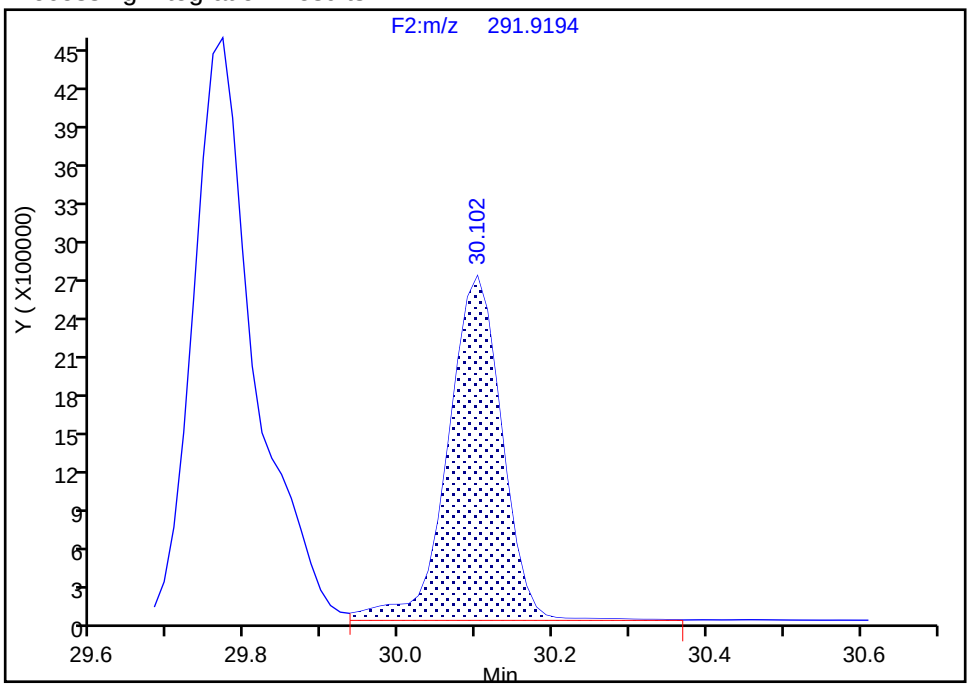
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 2

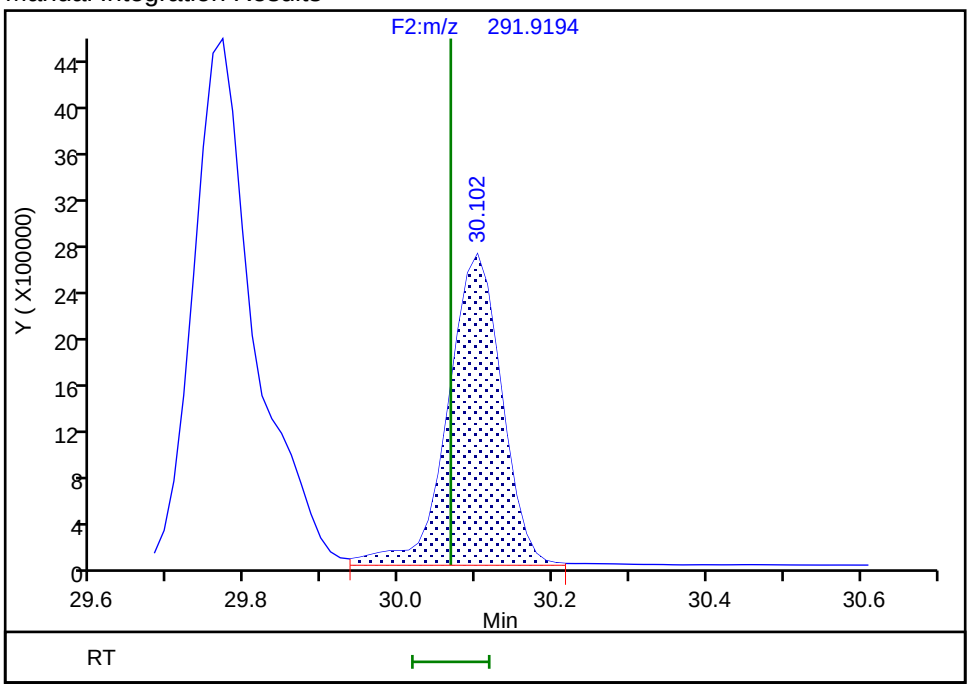
Processing Integration Results

RT: 30.10
Area: 13081691
Amount: 326.4536
Amount Units: pg/ul




Manual Integration Results

RT: 30.10
Area: 12991629
Amount: 328.2348
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:21:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

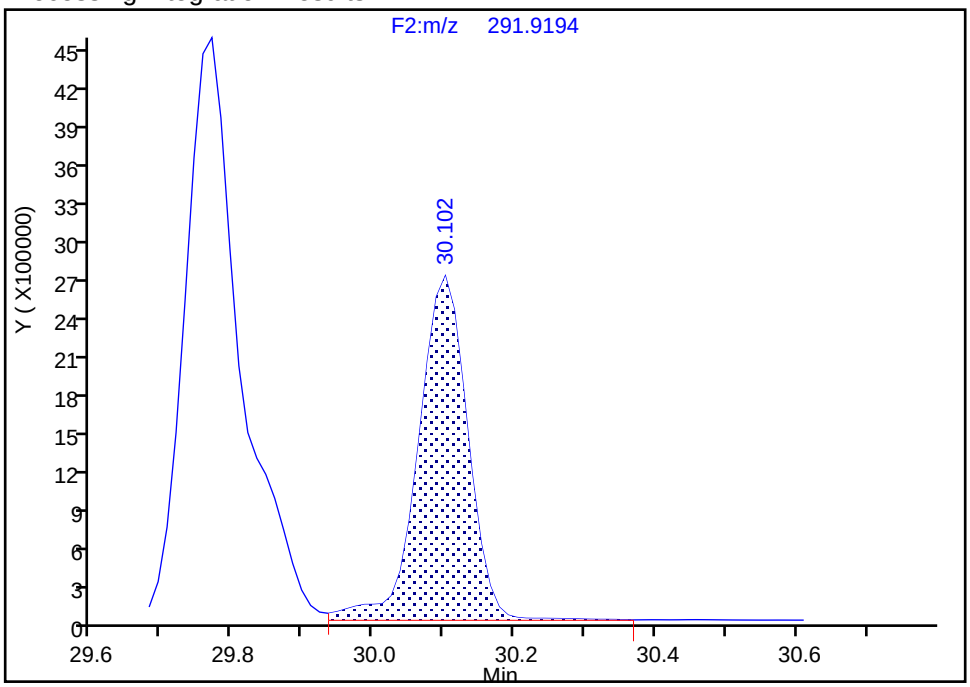
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 3

Processing Integration Results

RT: 30.10
Area: 23286595
Amount: 326.4536
Amount Units: pg/ul




Manual Integration Results

RT: 30.10
Area: 23413648
Amount: 328.2348
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:21:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

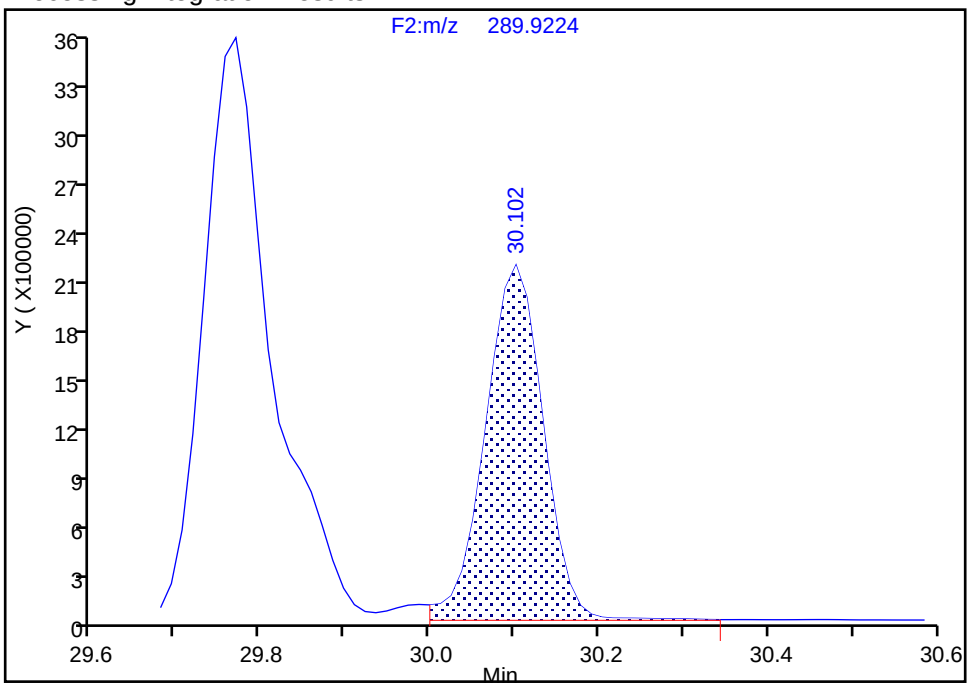
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

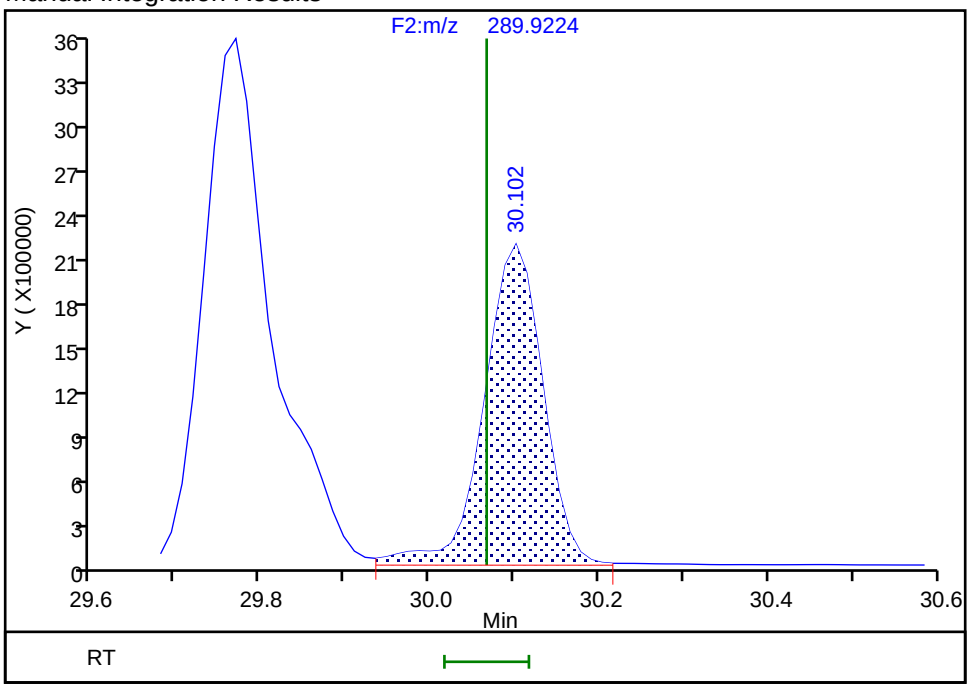
Processing Integration Results

RT: 30.10
Area: 10204904
Amount: 326.4536
Amount Units: pg/ul




Manual Integration Results

RT: 30.10
Area: 10422019
Amount: 328.2348
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:21:48

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

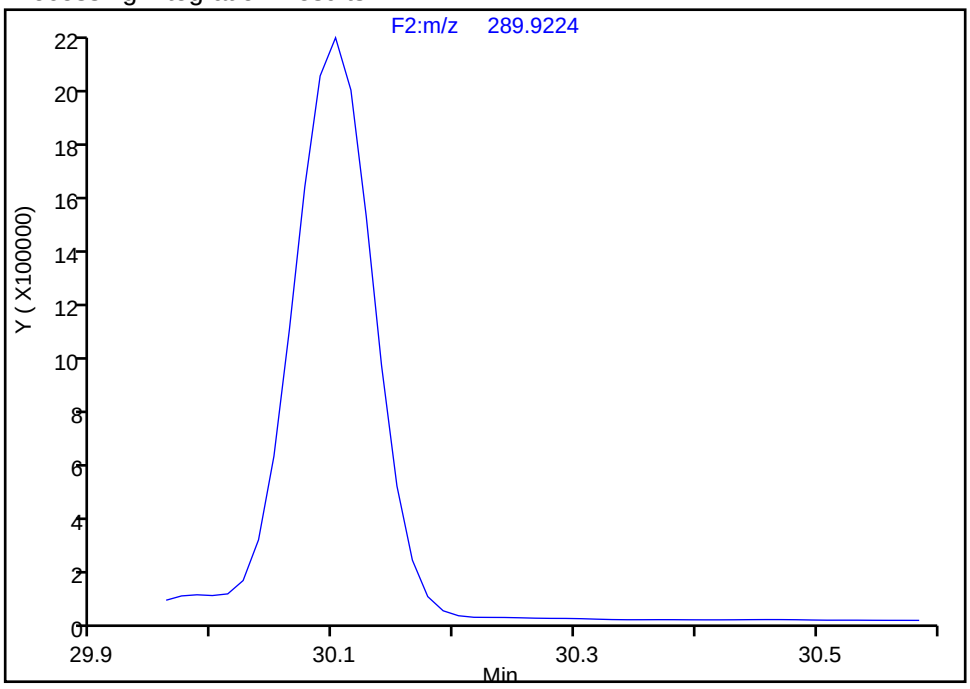
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-55, CAS: 74338-24-2

Signal: 1

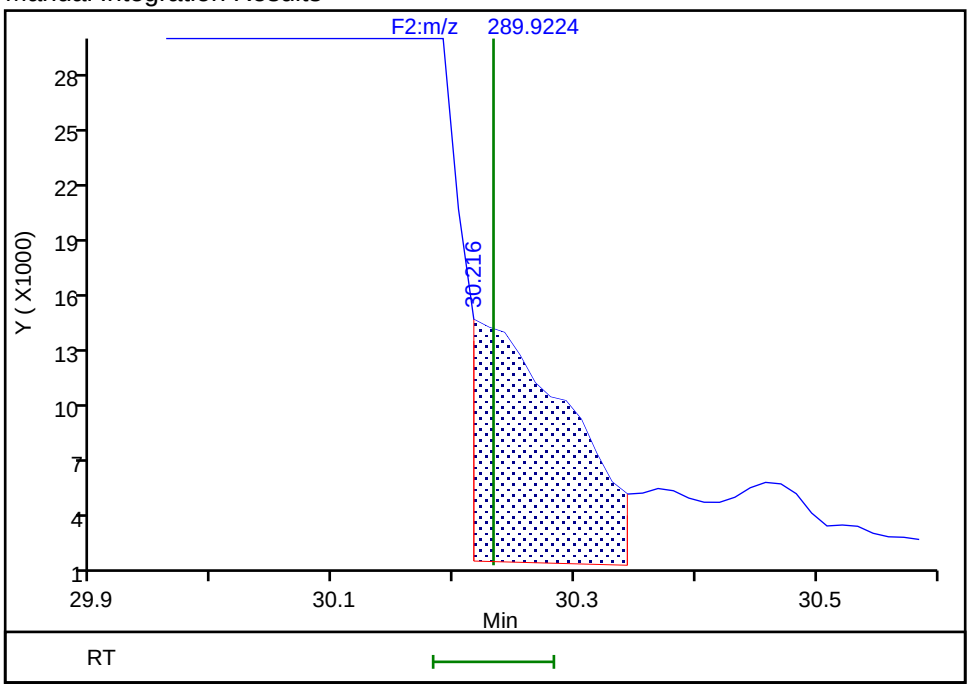
Not Detected
Expected RT: 30.23

Processing Integration Results




Manual Integration Results

RT: 30.22
Area: 65949
Amount: 2.161516
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:21:52
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

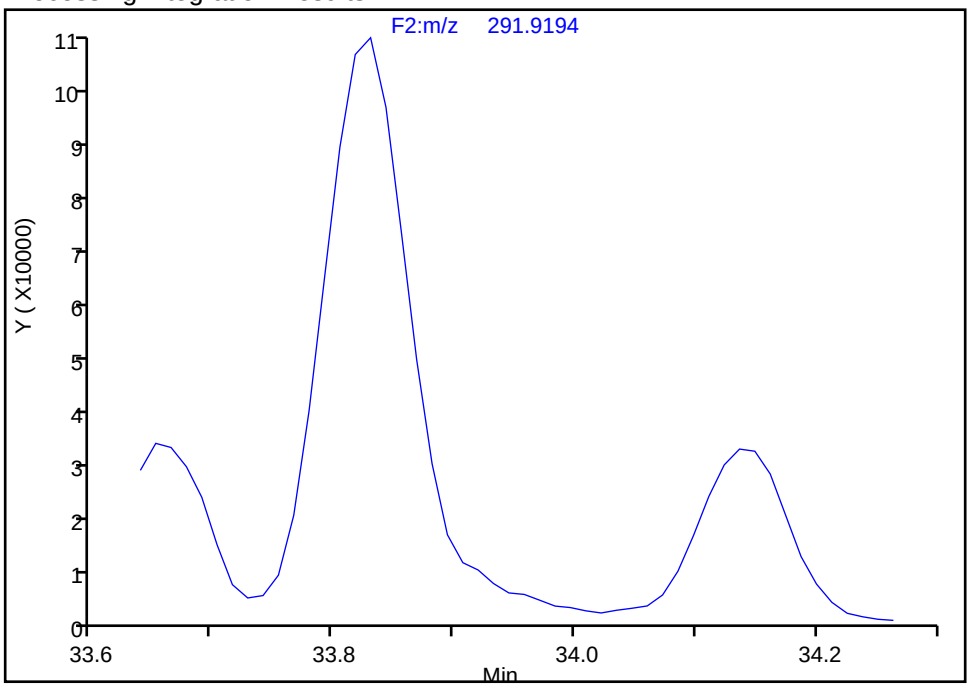
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 2

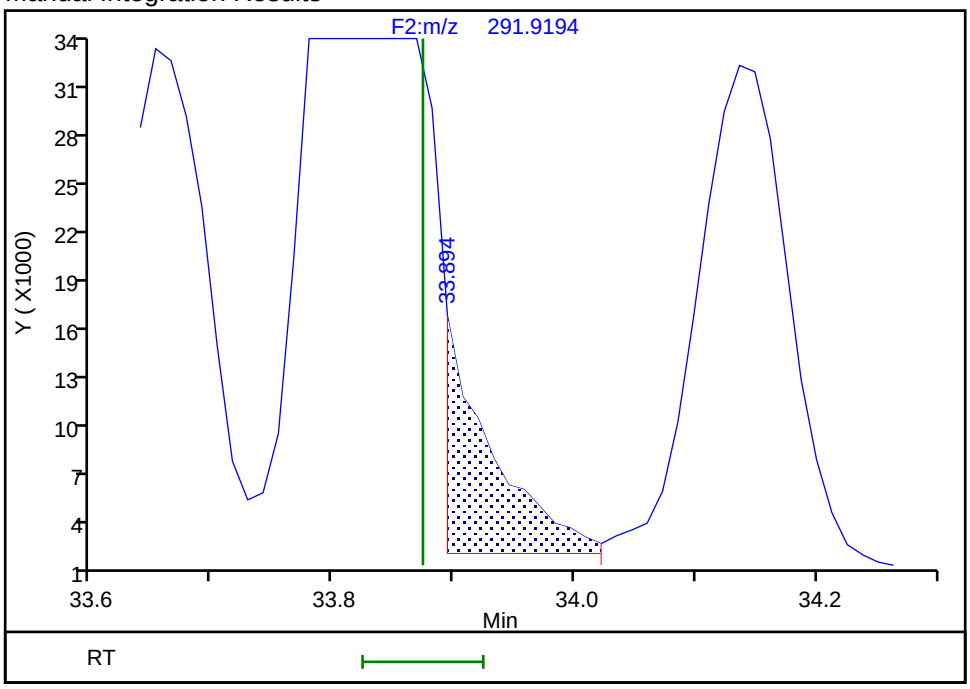
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.89
Area: 34787
Amount: 0.902576
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:22:10
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

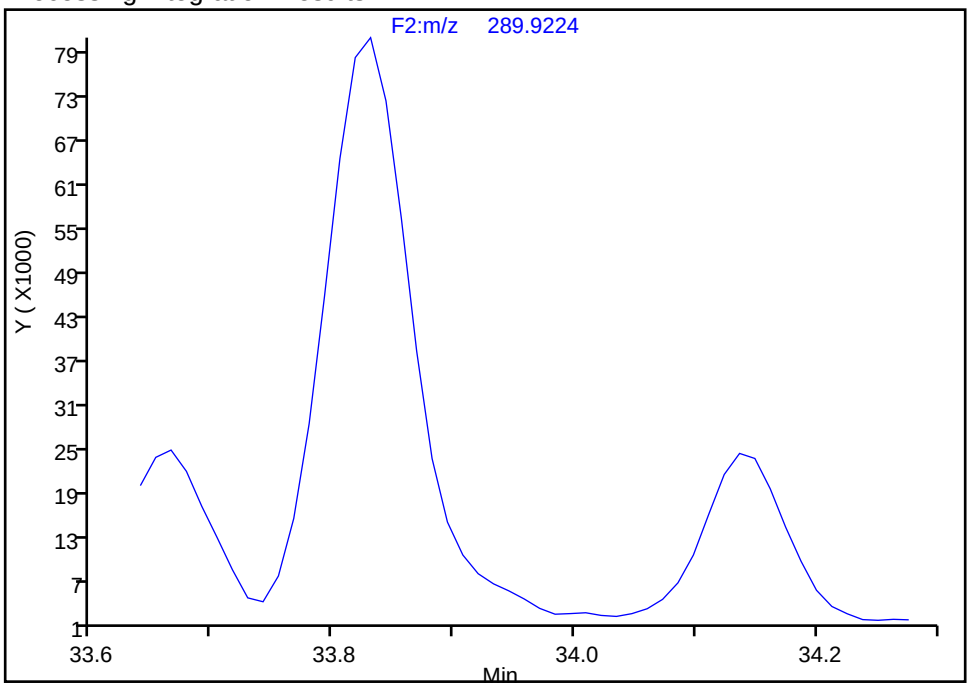
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

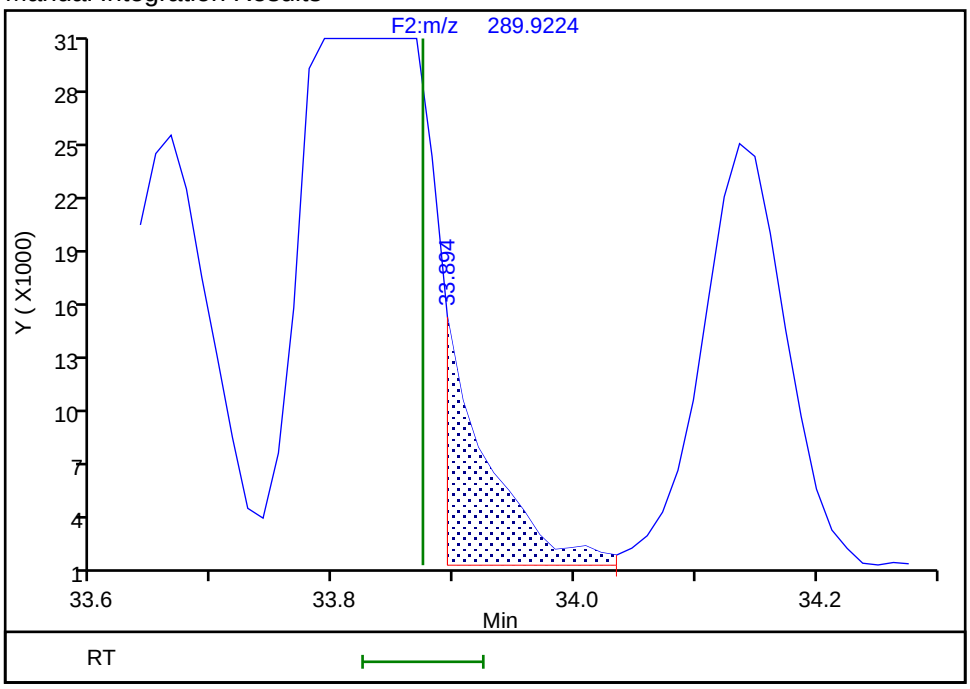
Not Detected
Expected RT: 33.87

Processing Integration Results




Manual Integration Results

RT: 33.89
Area: 29960
Amount: 0.902576
Amount Units: pg/ul

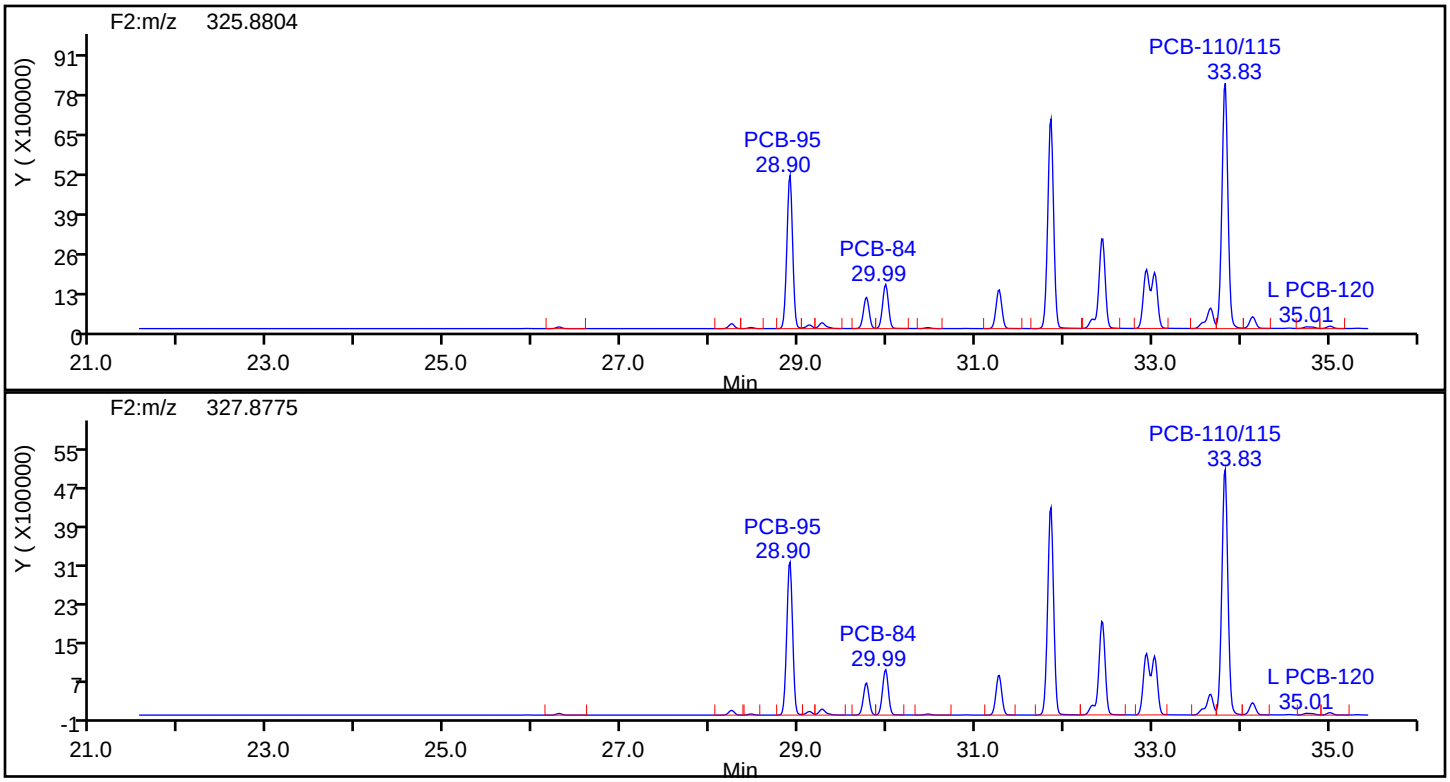



Reviewer: mcwhirterl, 09-Oct-2019 21:22:17
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

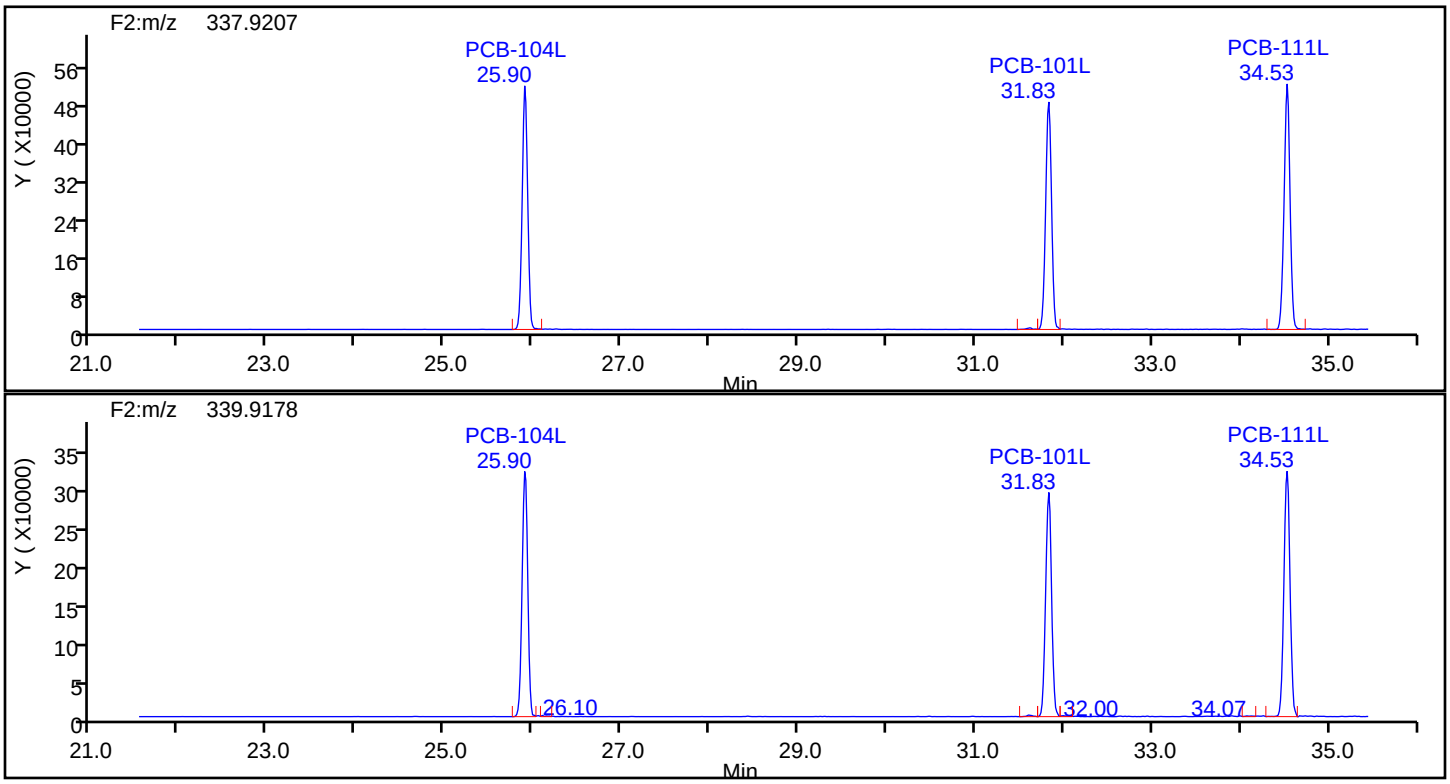
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



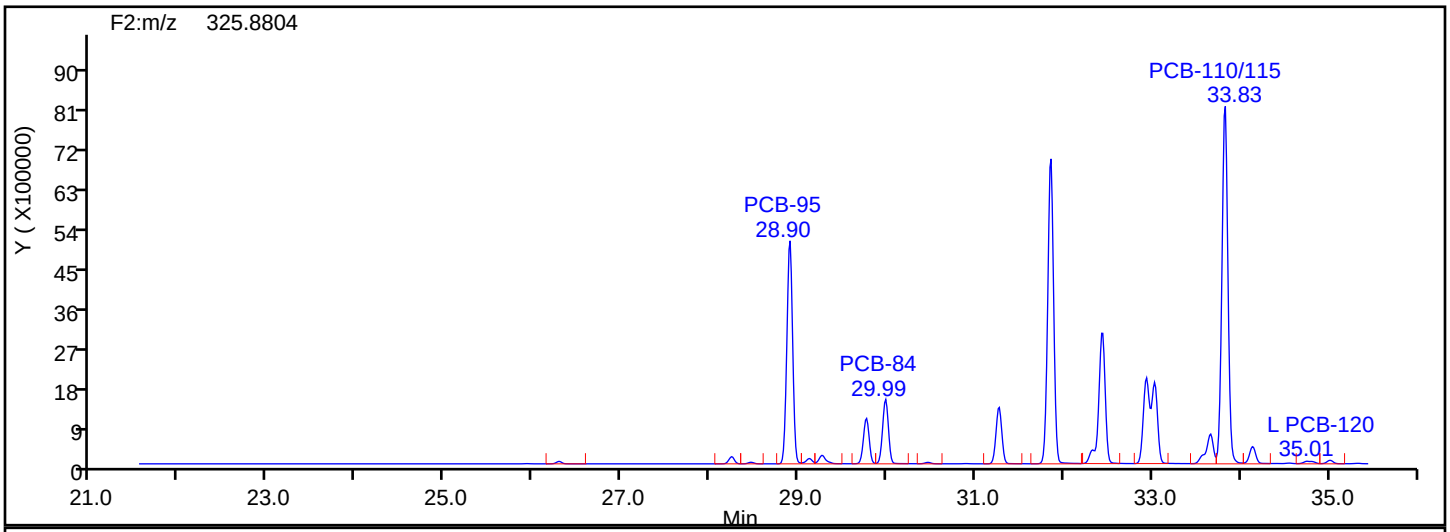

PePCB F2 Standards

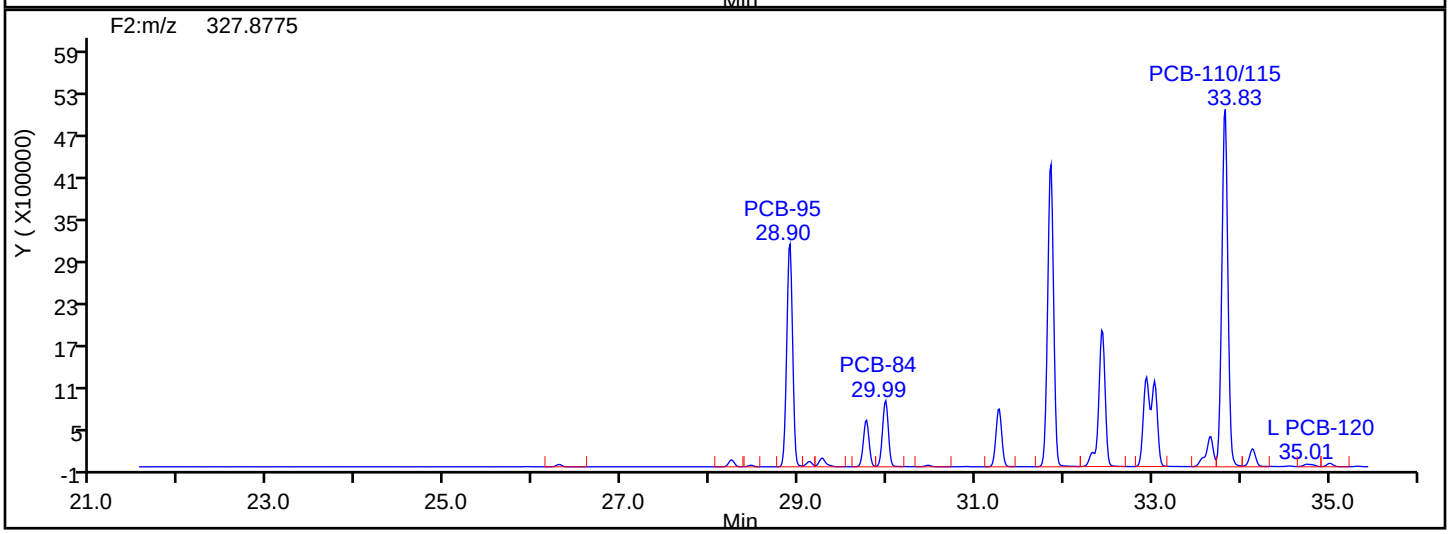


Eurofins TestAmerica, Knoxville

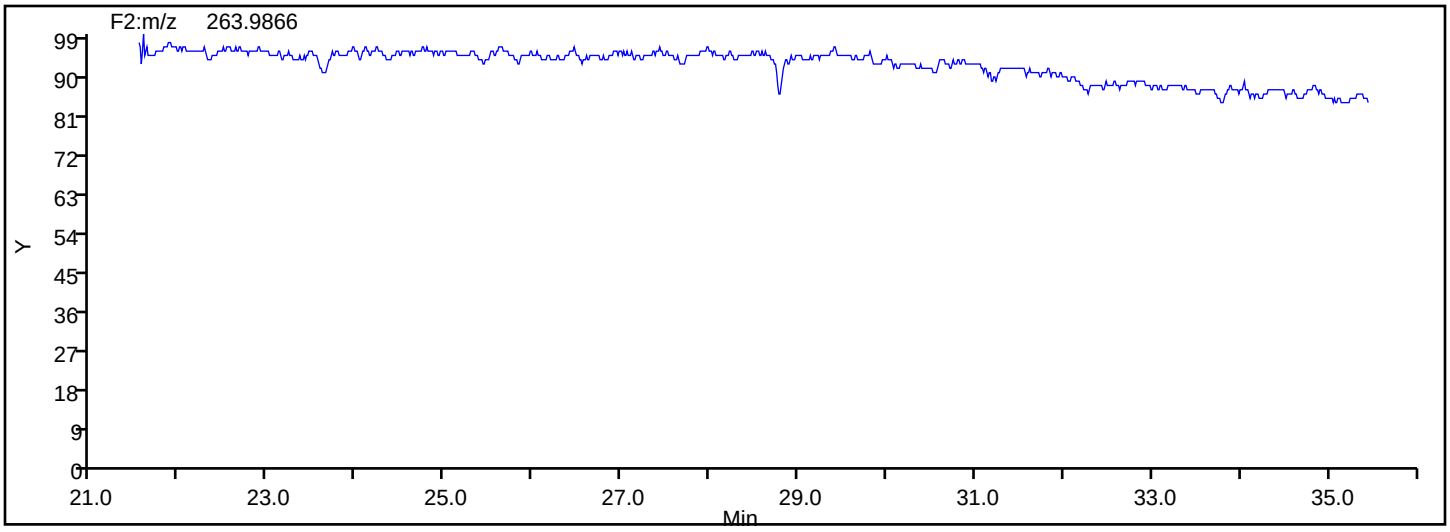
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

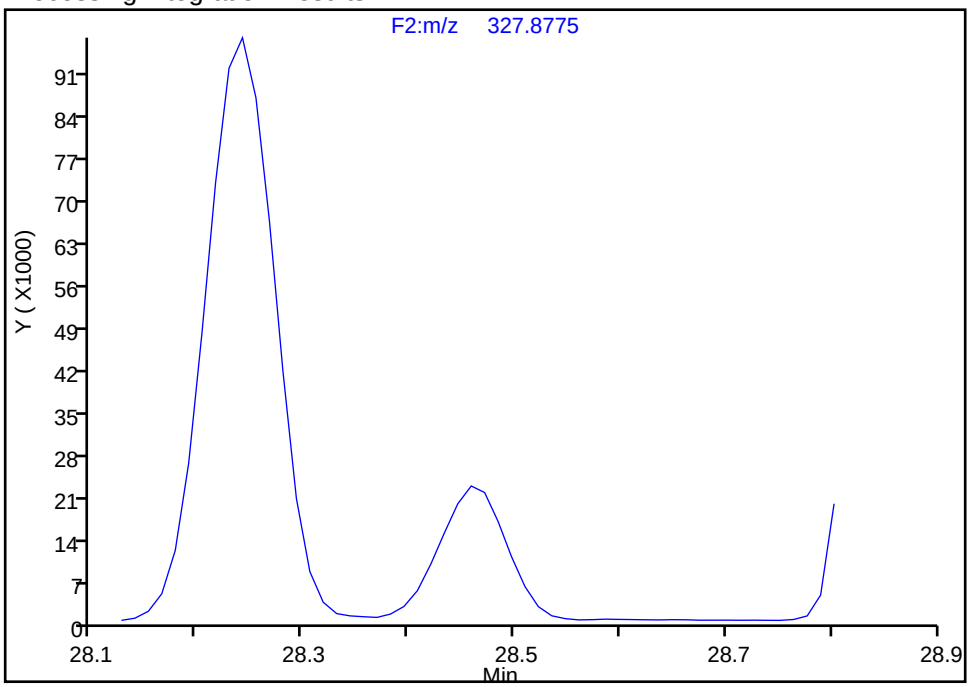
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 2

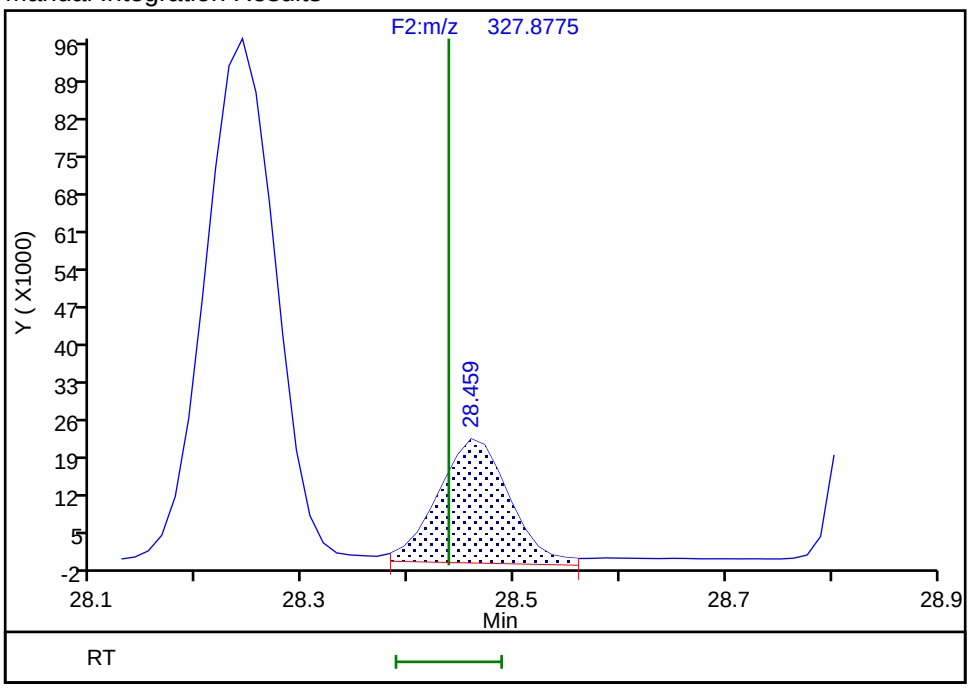
Not Detected
Expected RT: 28.44

Processing Integration Results




Manual Integration Results

RT: 28.46
Area: 107366
Amount: 8.264879
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:22:50
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

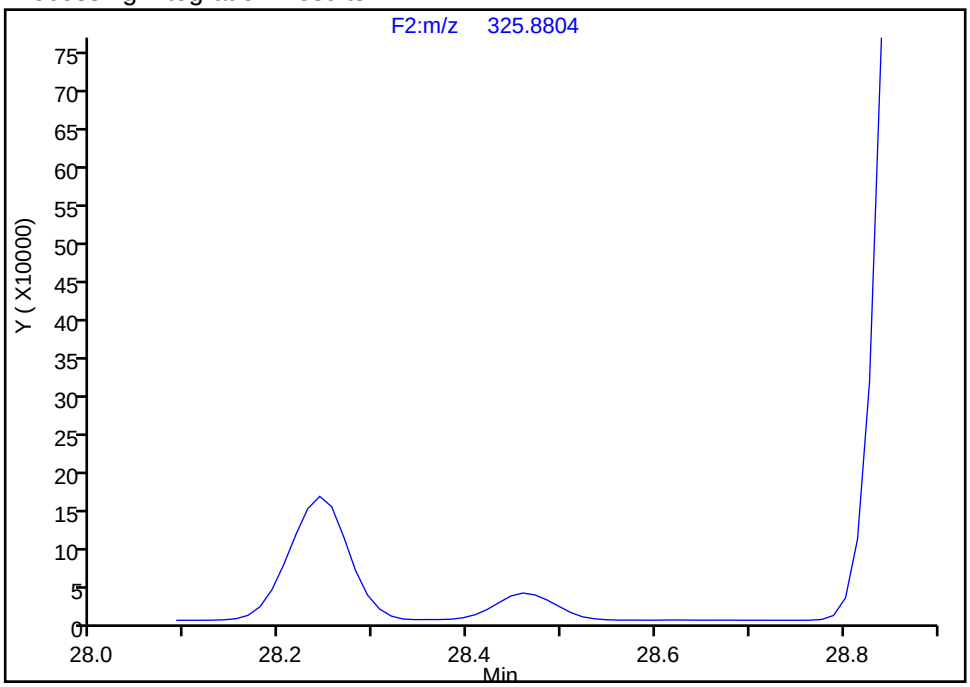
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 1

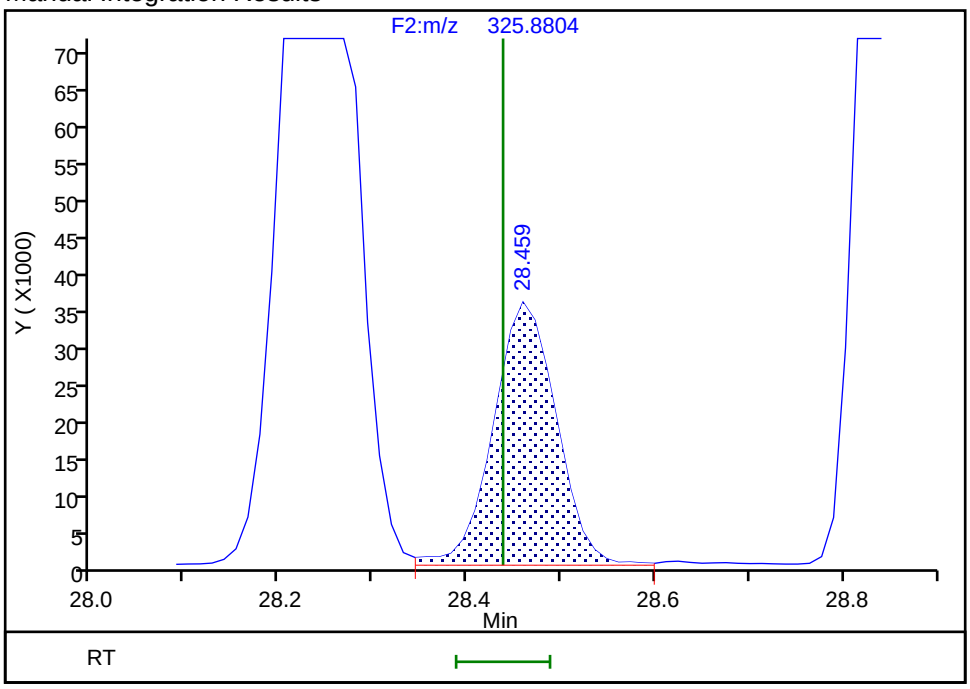
Processing Integration Results

Not Detected
Expected RT: 28.44




Manual Integration Results

RT: 28.46
Area: 166649
Amount: 8.264879
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:22:54
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

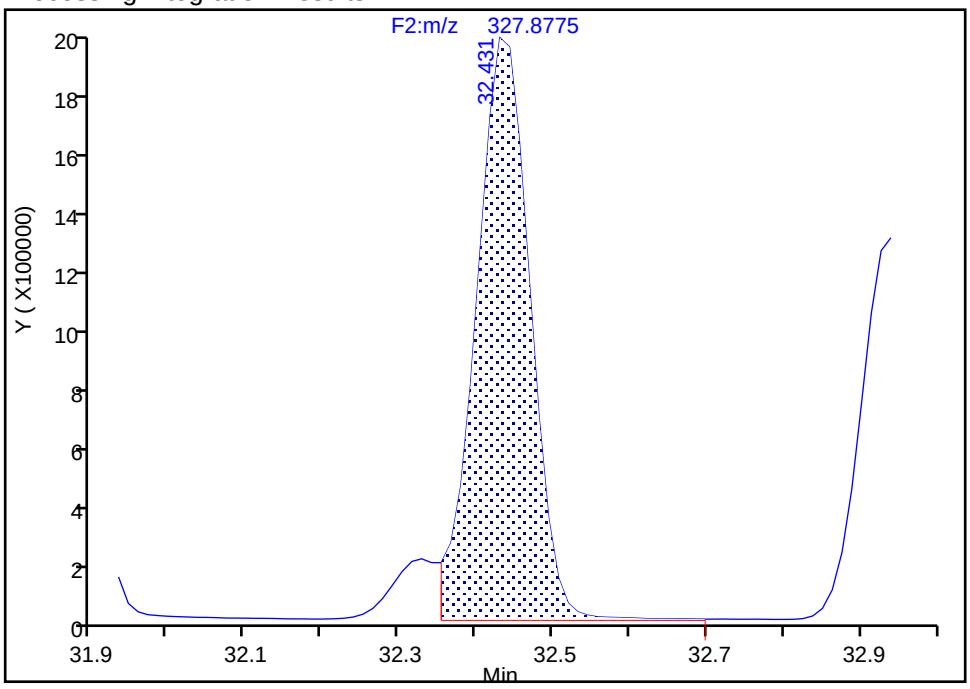
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

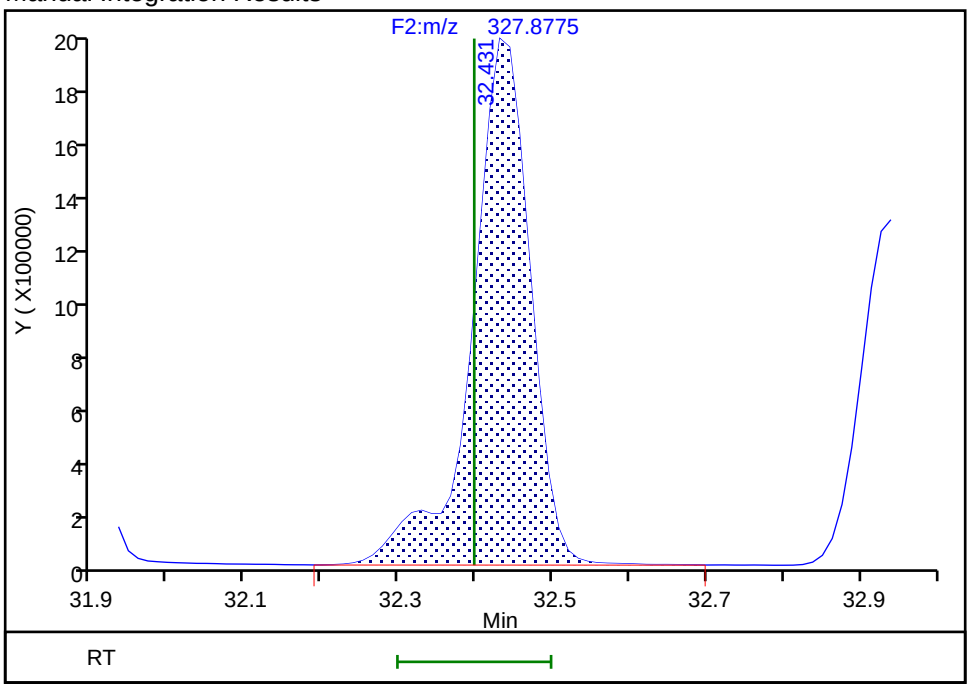
Processing Integration Results

RT: 32.43
Area: 9346320
Amount: 693.7699
Amount Units: pg/ul




Manual Integration Results

RT: 32.43
Area: 10083398
Amount: 748.3637
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:23:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

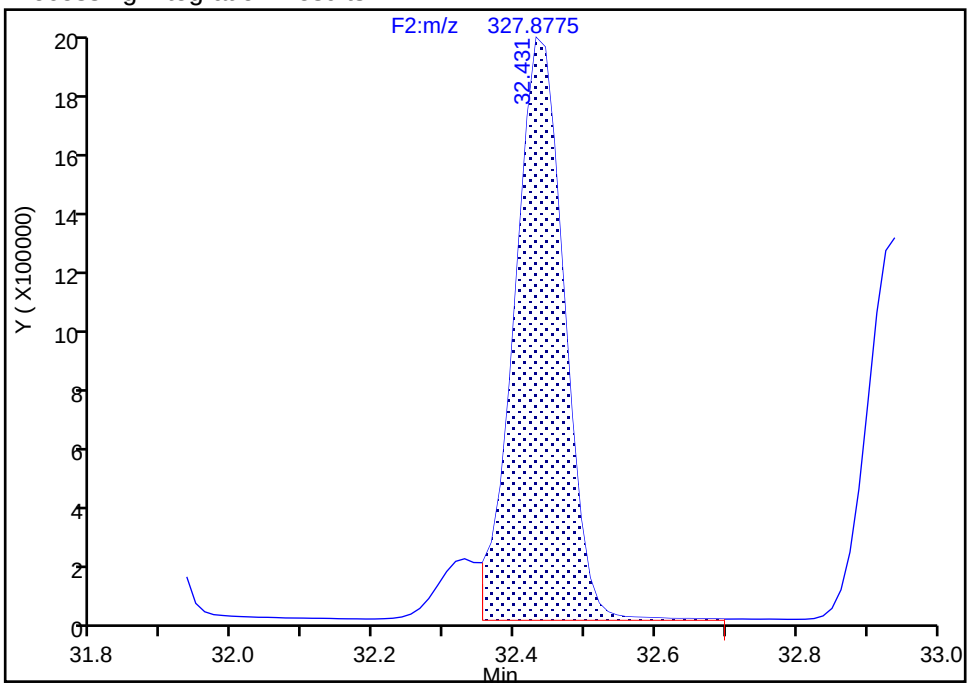
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.43
Area: 23910130
Amount: 693.7699
Amount Units: pg/ul




Manual Integration Results

RT: 32.43
Area: 25791652
Amount: 748.3637
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:23:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

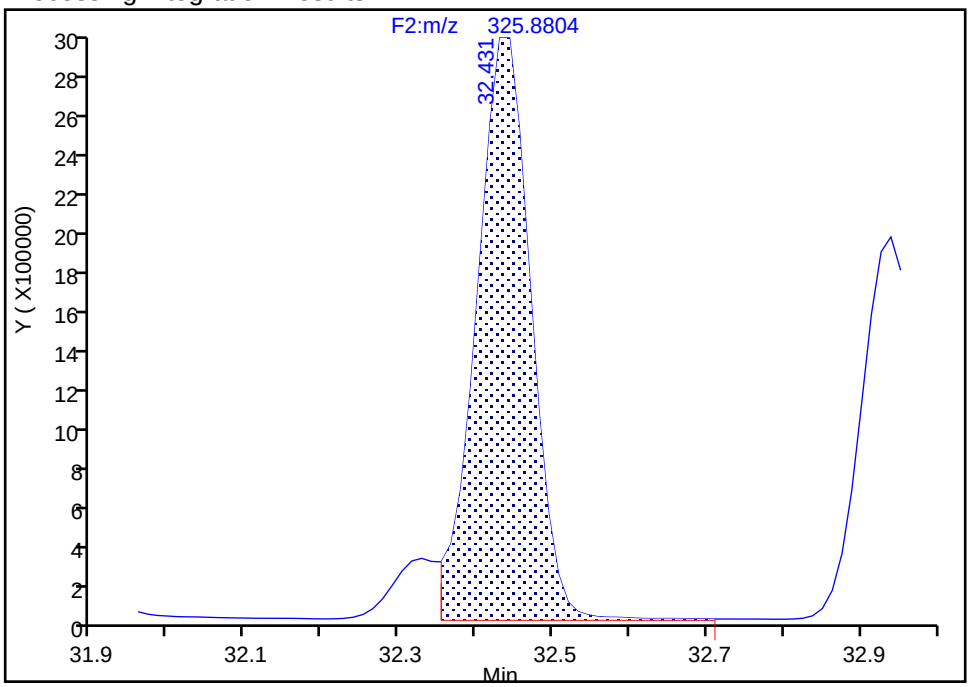
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

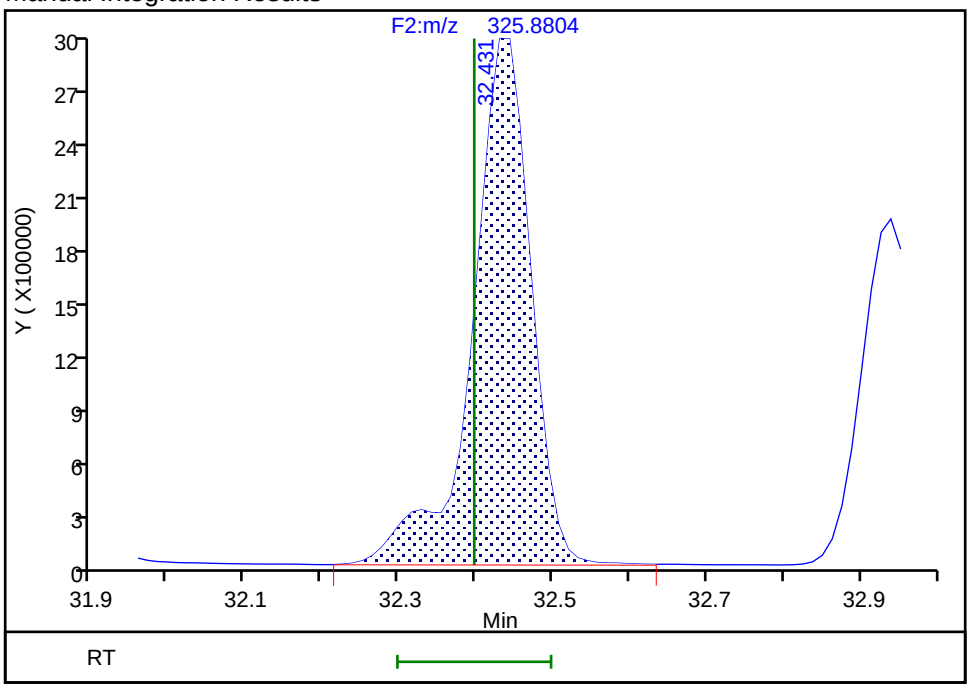
Processing Integration Results

RT: 32.43
Area: 14563810
Amount: 693.7699
Amount Units: pg/ul




Manual Integration Results

RT: 32.43
Area: 15708254
Amount: 748.3637
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:23:30

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

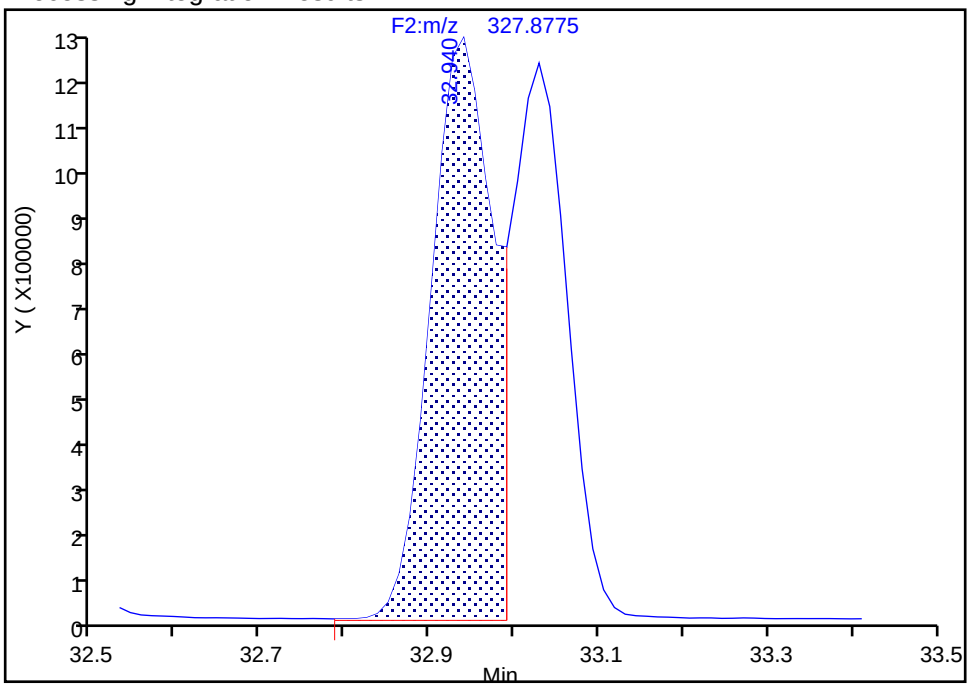
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

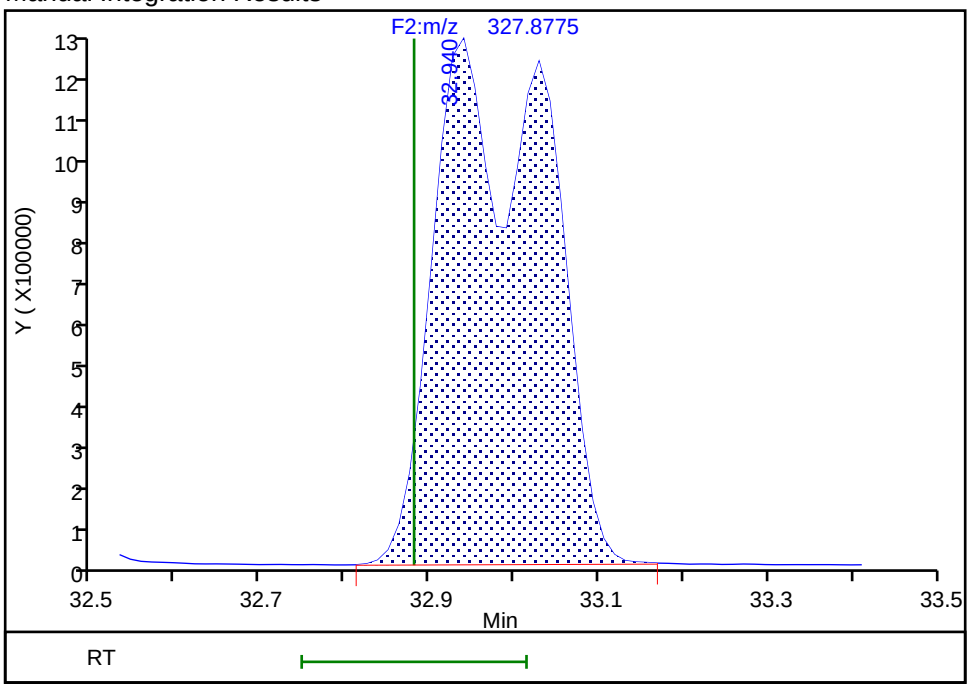
Processing Integration Results

RT: 32.94
Area: 6348661
Amount: 368.7010
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 11490826
Amount: 669.0295
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:23:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

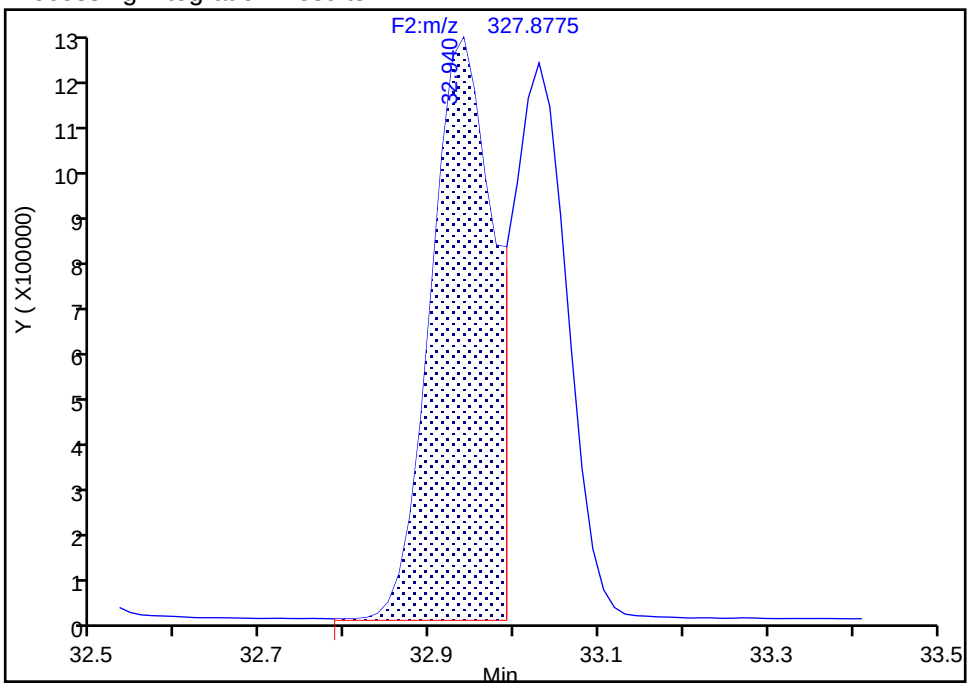
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.94
Area: 16176242
Amount: 368.7010
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 29352740
Amount: 669.0295
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:23:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

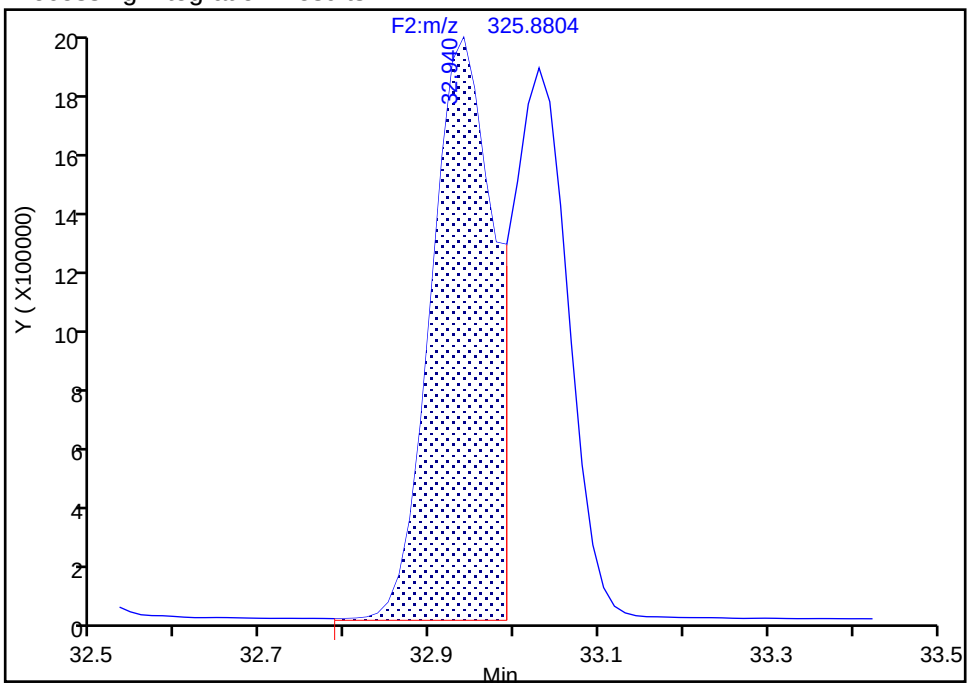
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

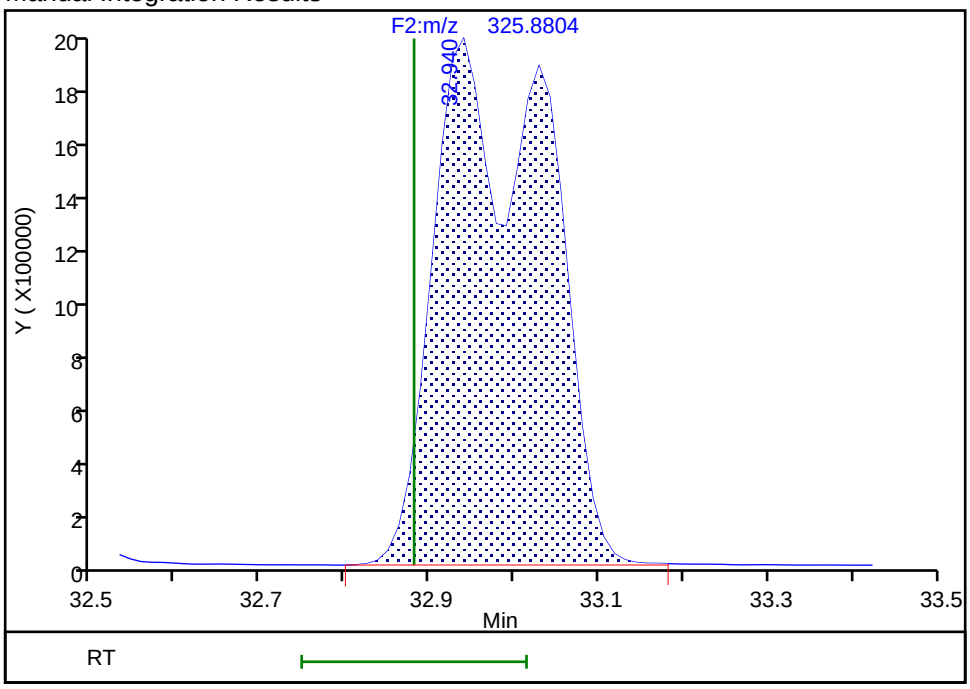
Processing Integration Results

RT: 32.94
Area: 9827581
Amount: 368.7010
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 17861914
Amount: 669.0295
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:23:58

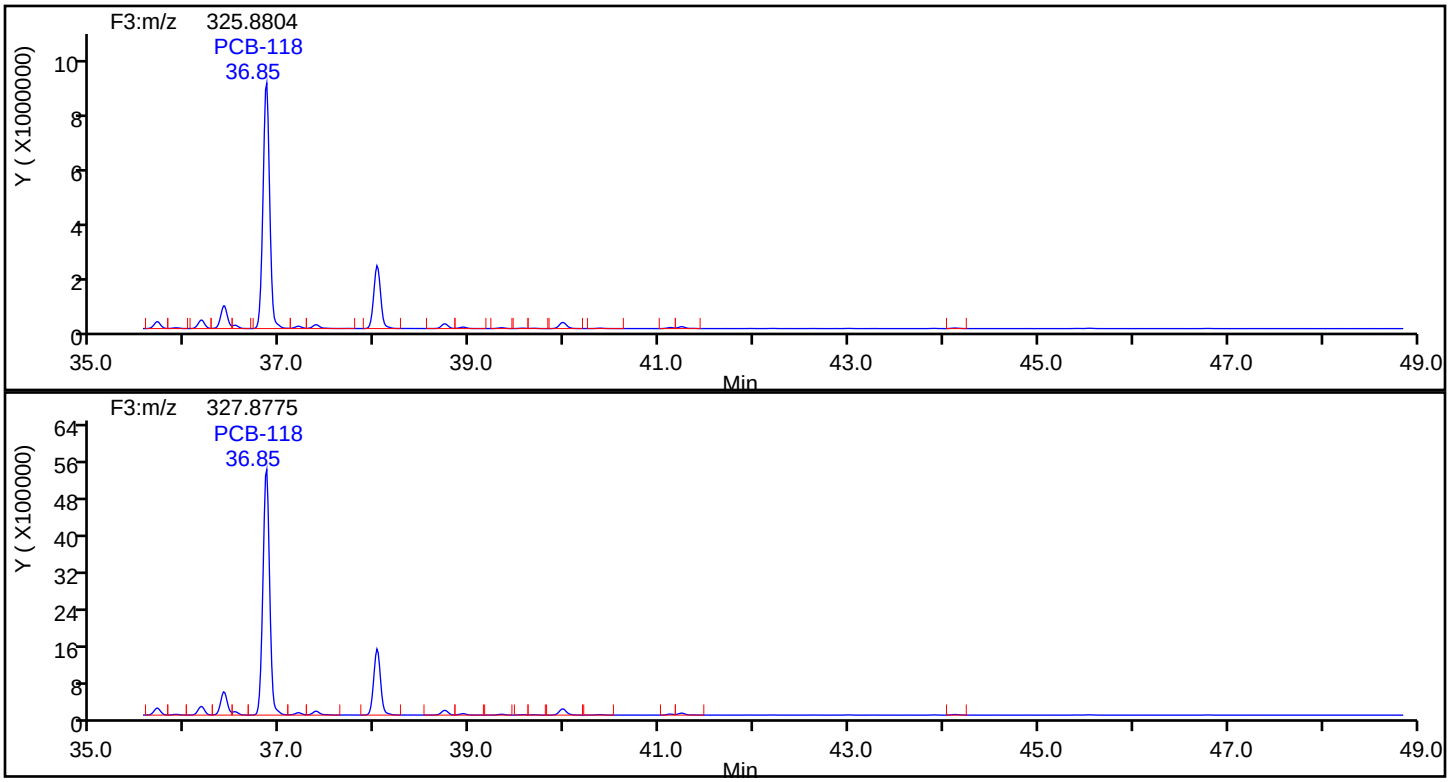
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 09-Oct-2019 21:41:53 Chrom Revision: 2.3 17-Sep-2019 16:19:08

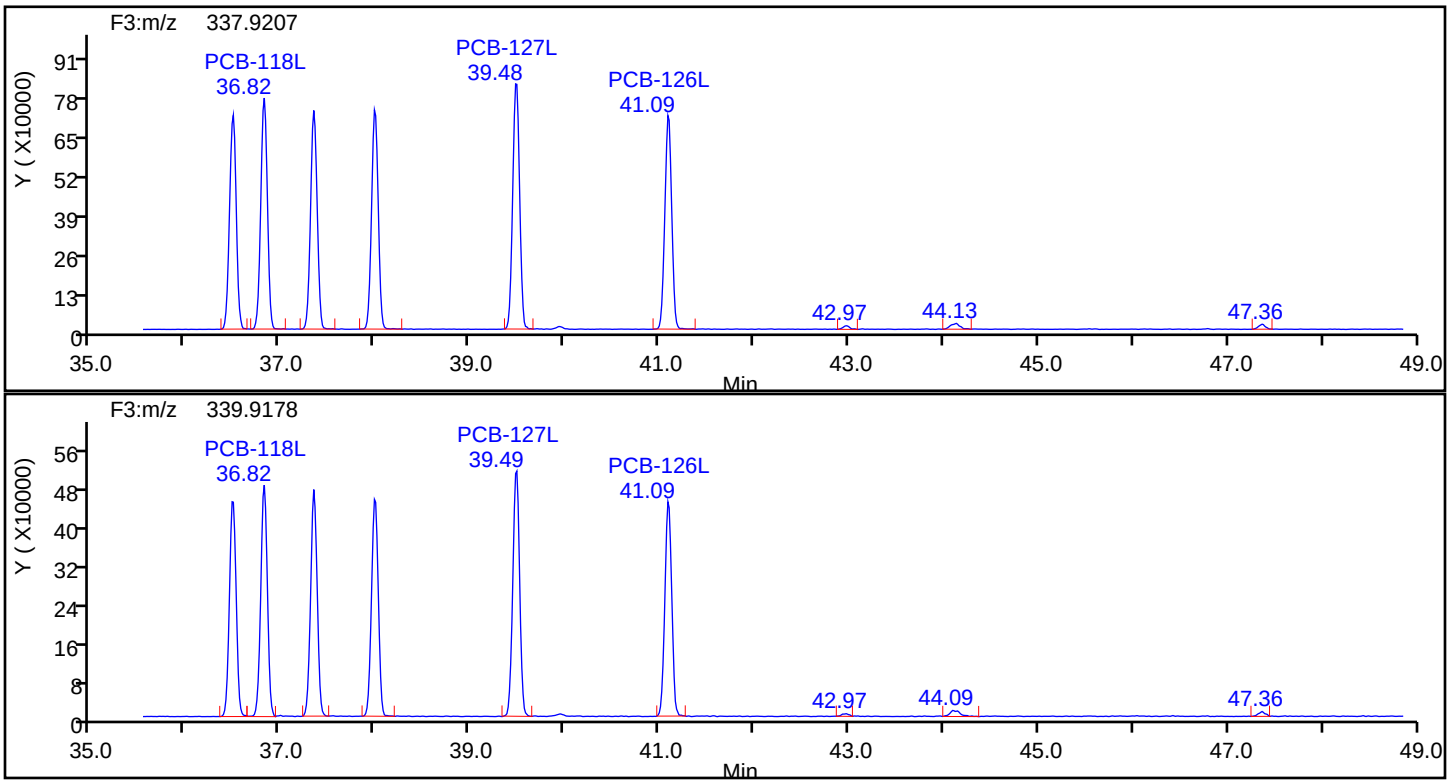
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



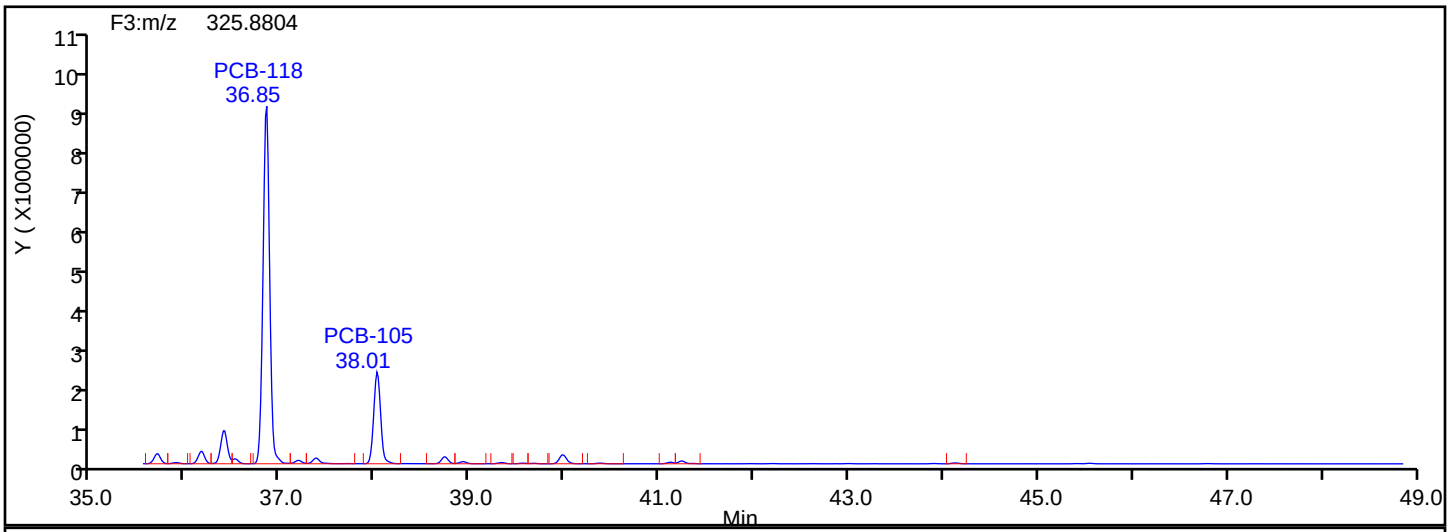

PePCB F3 Standards

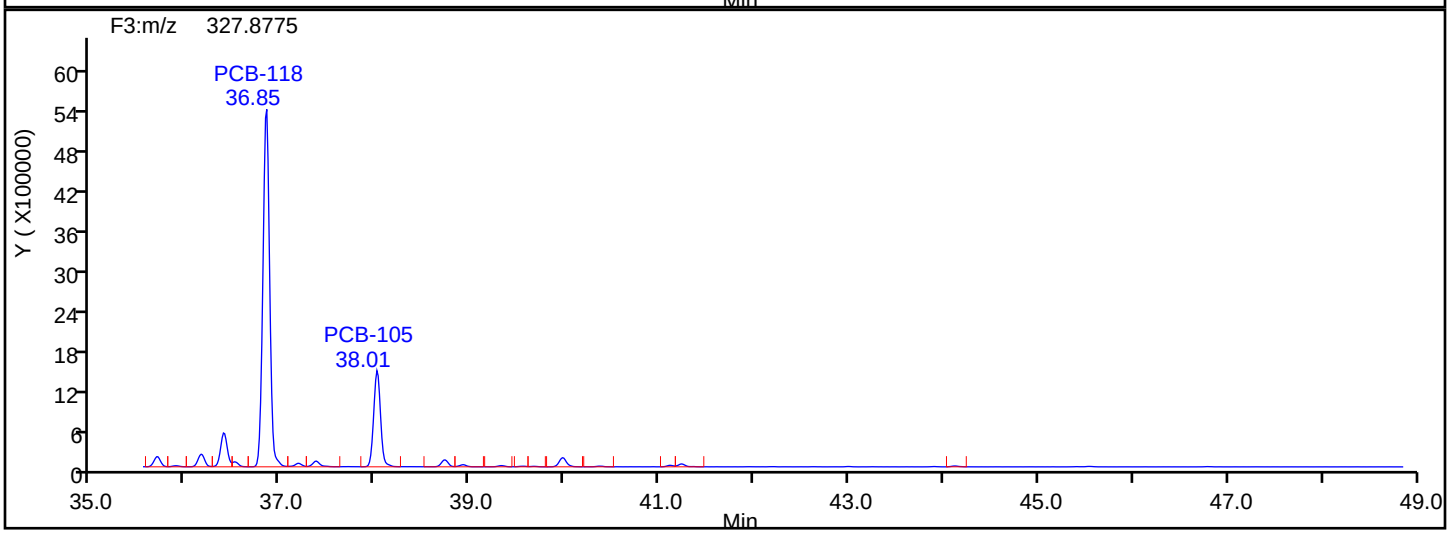


Eurofins TestAmerica, Knoxville

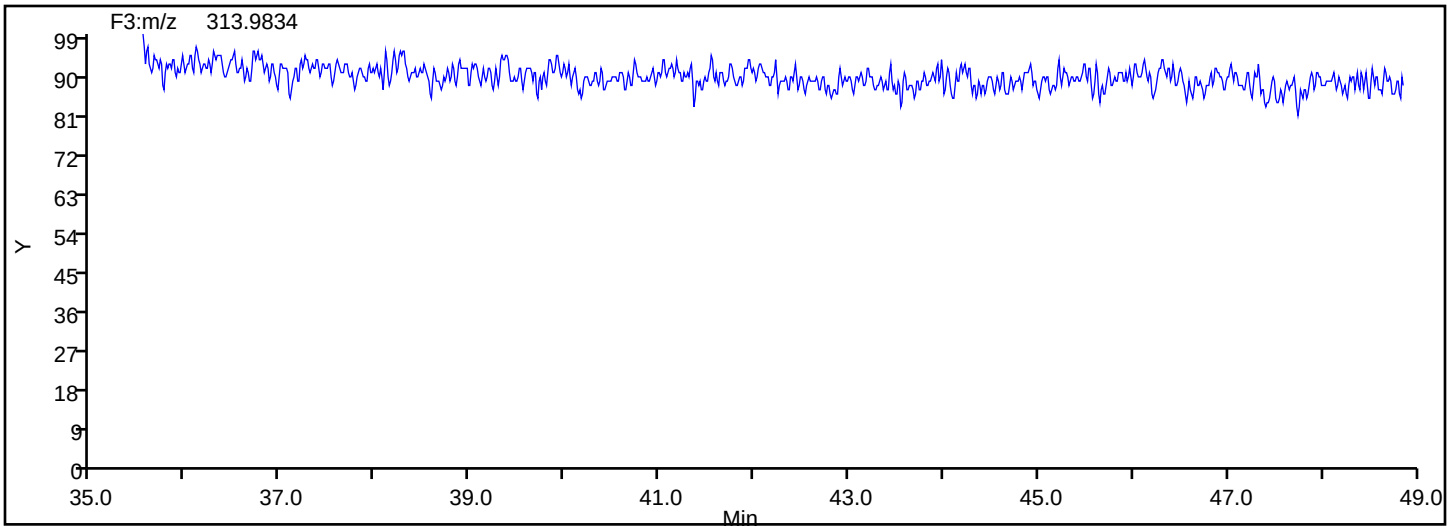
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

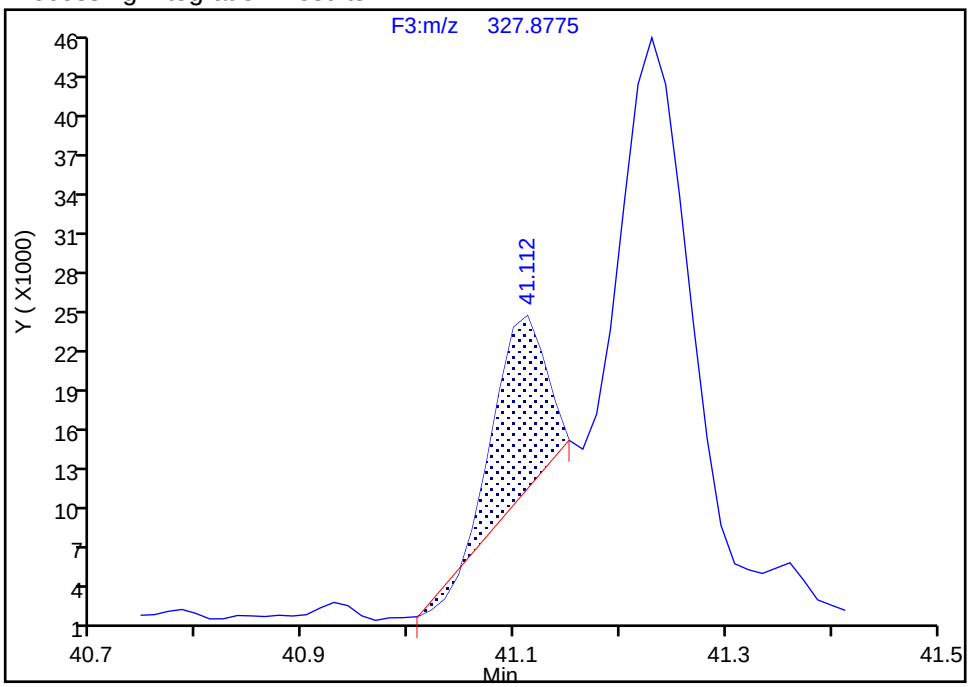
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 2

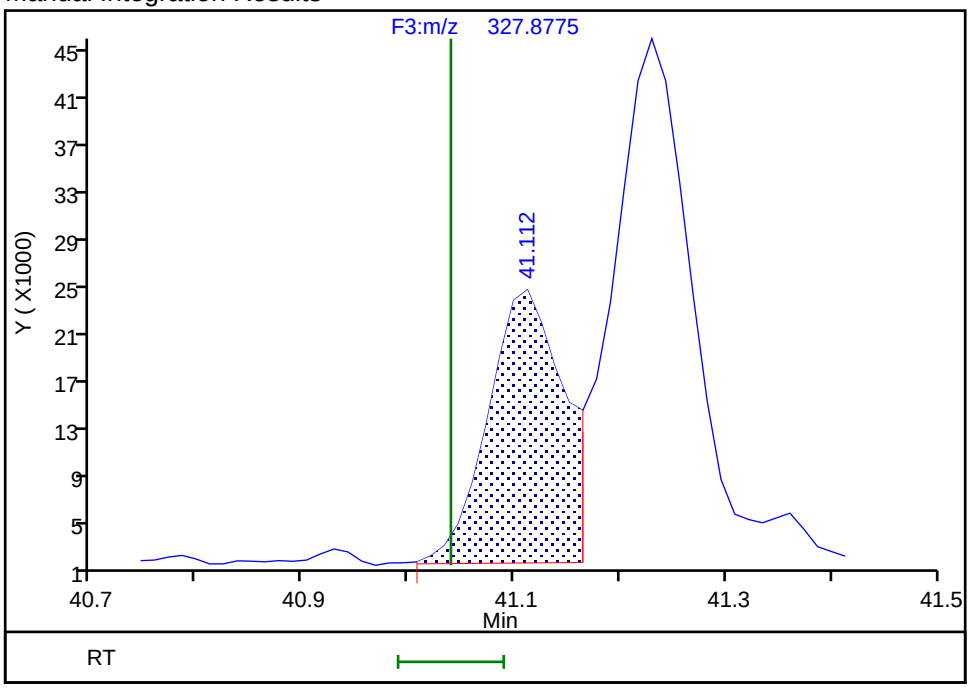
Processing Integration Results

RT: 41.11
Area: 42560
Amount: 1.389338
Amount Units: pg/ul




Manual Integration Results

RT: 41.11
Area: 110057
Amount: 3.679342
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:37:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

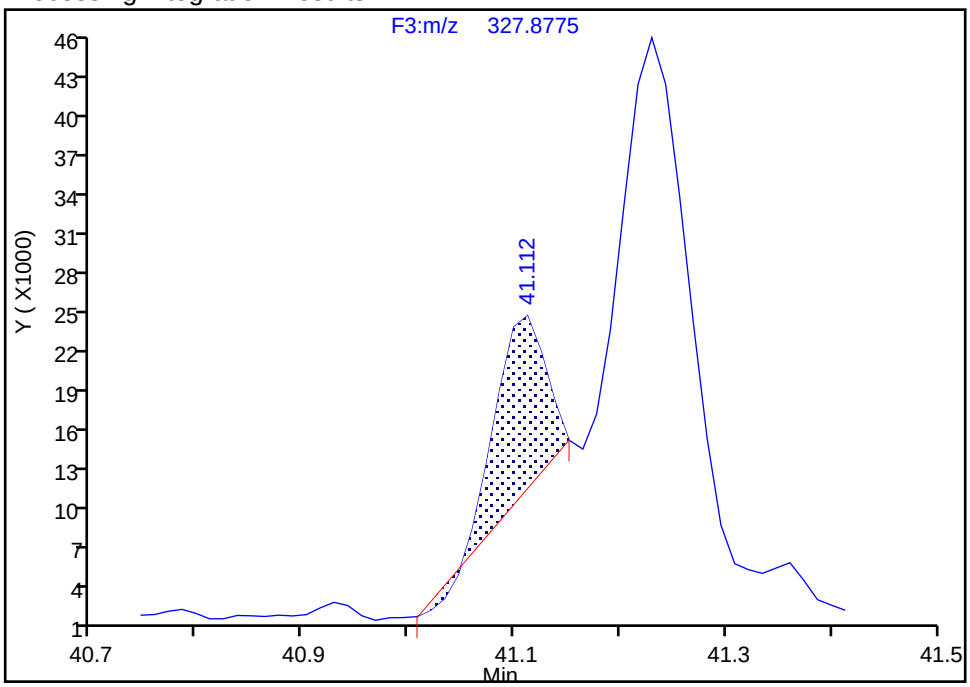
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 3

Processing Integration Results

RT: 41.11
Area: 109263
Amount: 1.389338
Amount Units: pg/ul




Manual Integration Results

RT: 41.11
Area: 289358
Amount: 3.679342
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:37:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

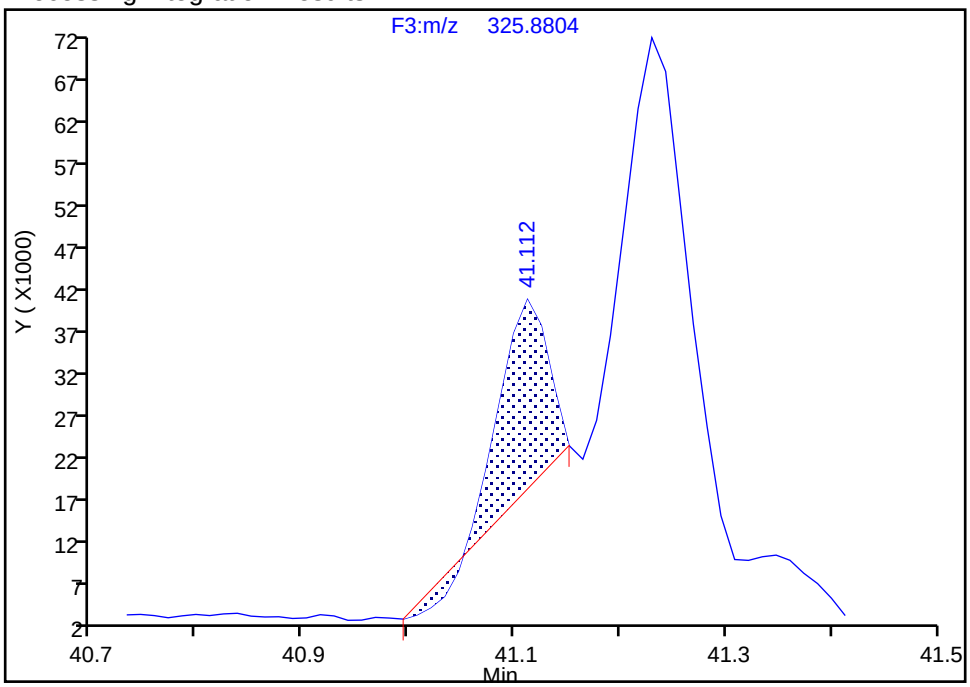
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-126, CAS: 57465-28-8

Signal: 1

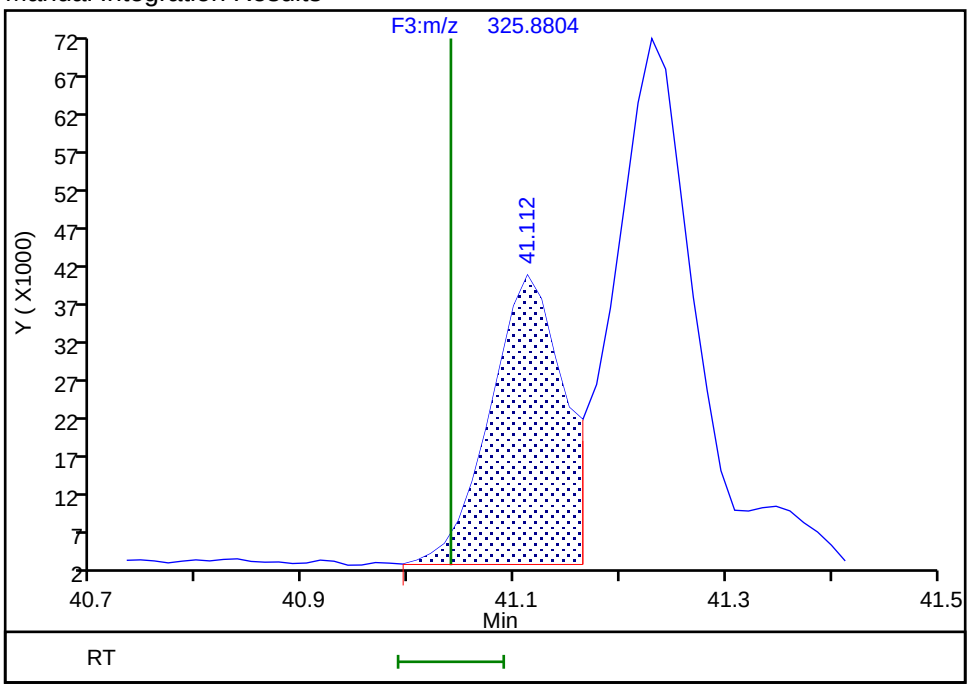
Processing Integration Results

RT: 41.11
Area: 66703
Amount: 1.389338
Amount Units: pg/ul




Manual Integration Results

RT: 41.11
Area: 179301
Amount: 3.679342
Amount Units: pg/ul



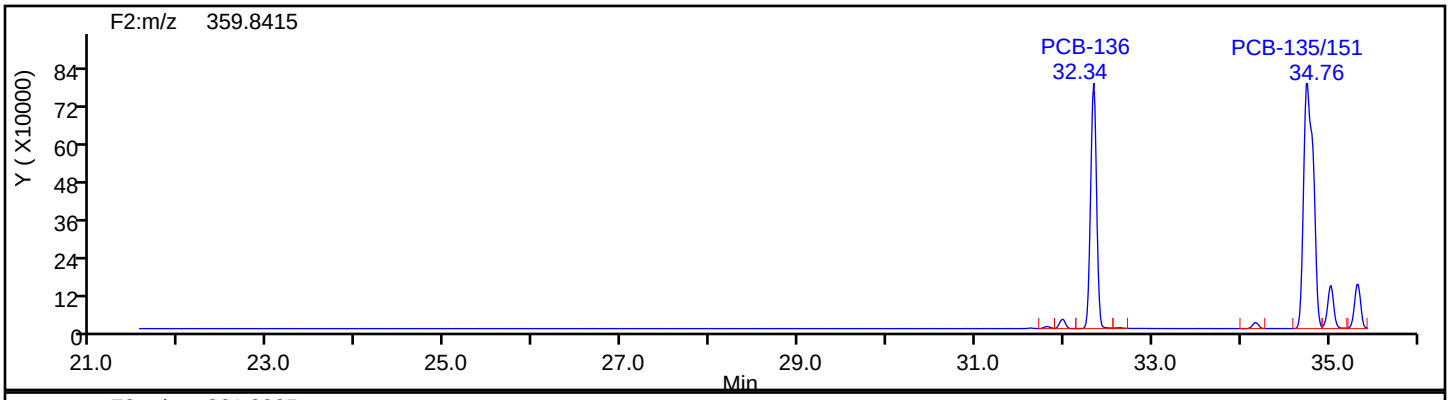

Reviewer: mcwhirterl, 09-Oct-2019 21:37:35

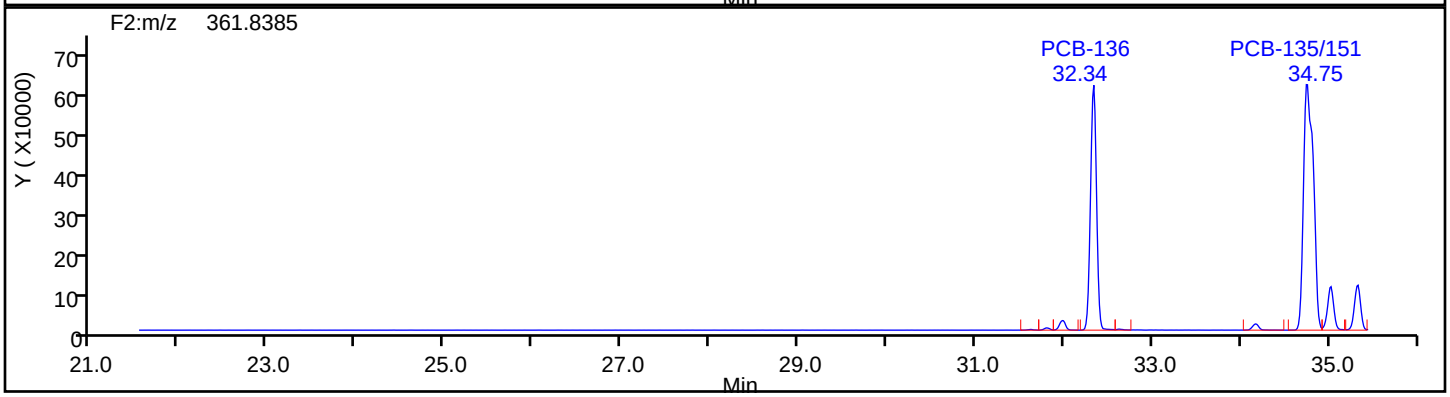
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

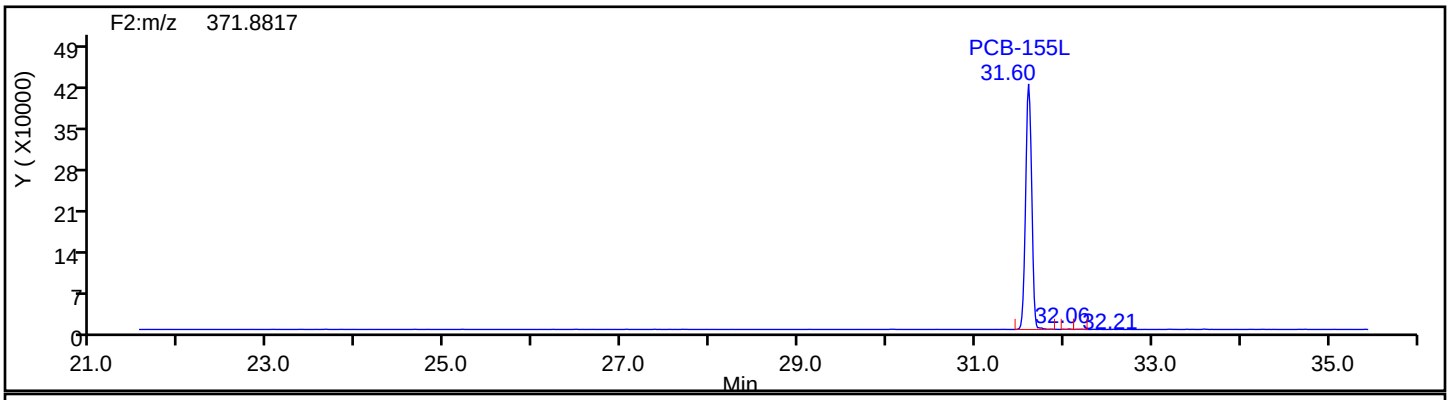
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

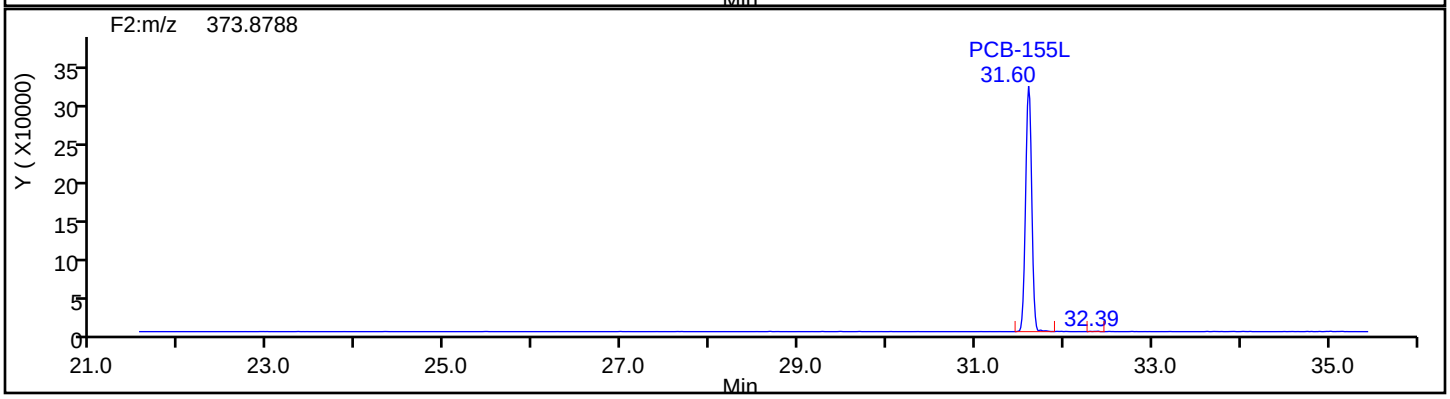
HxPCB F2




HxPCB F2 Standards

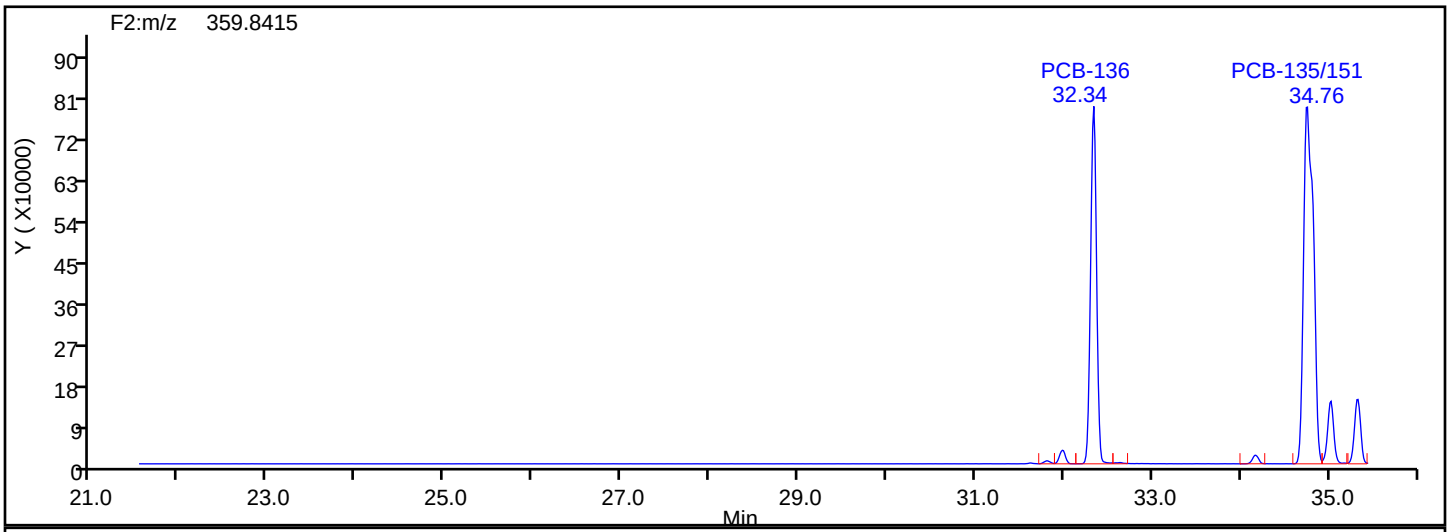


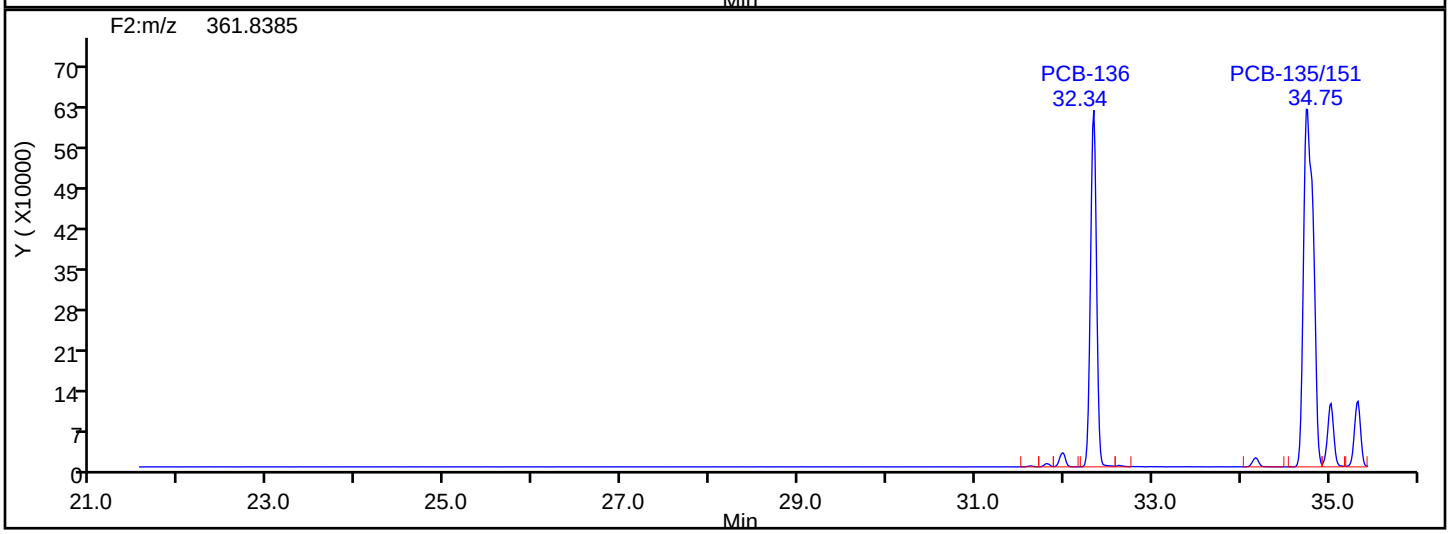



Eurofins TestAmerica, Knoxville

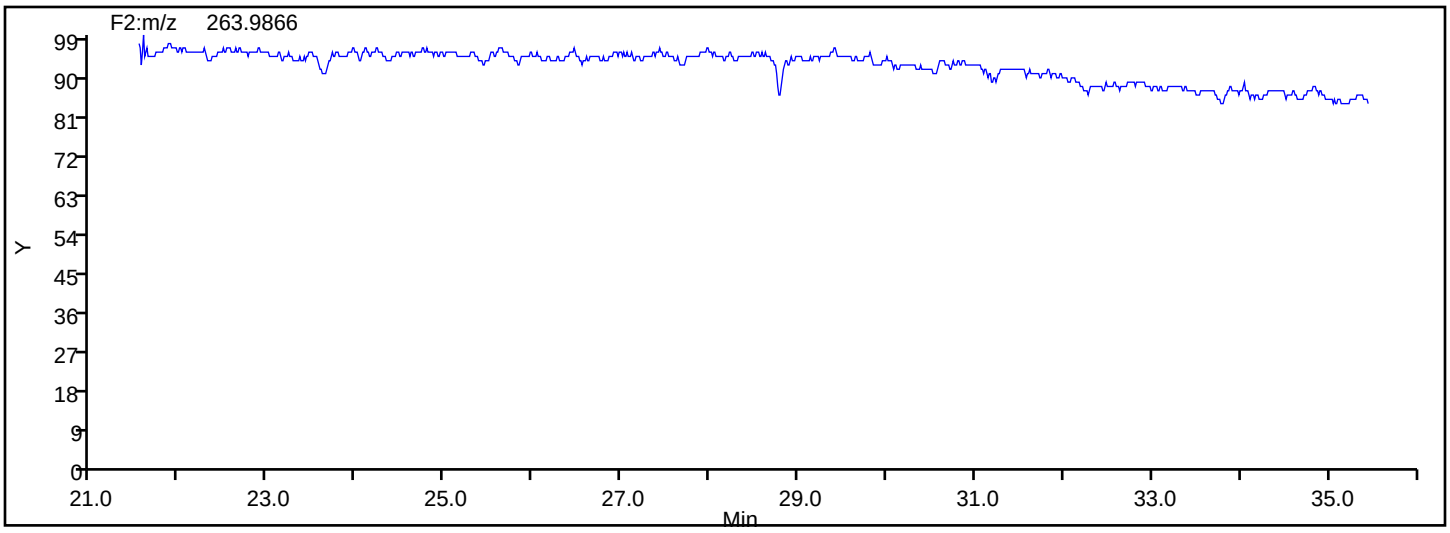
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

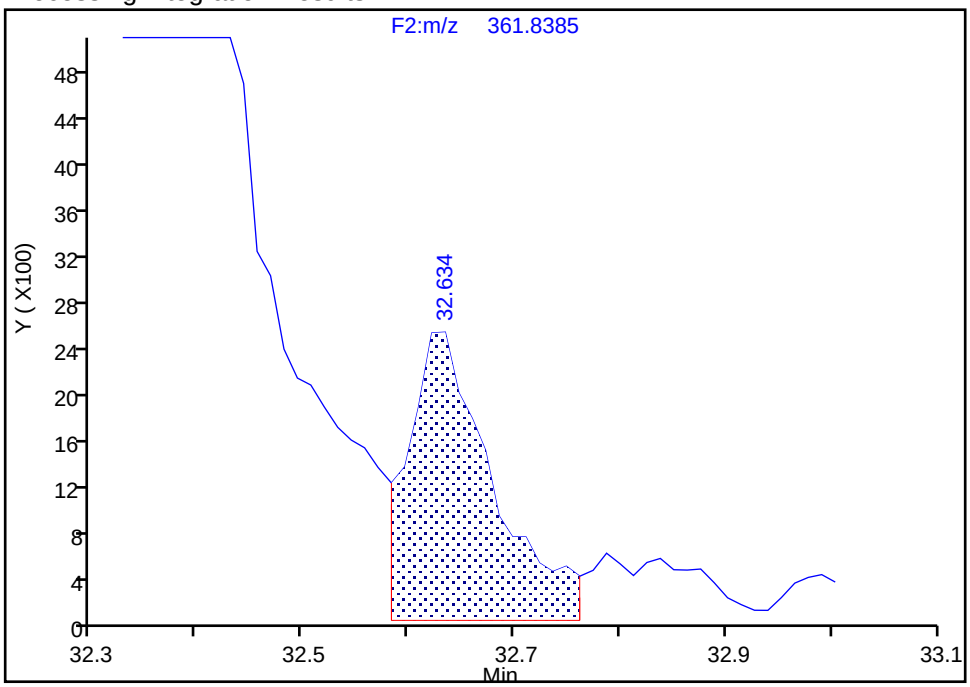
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 2

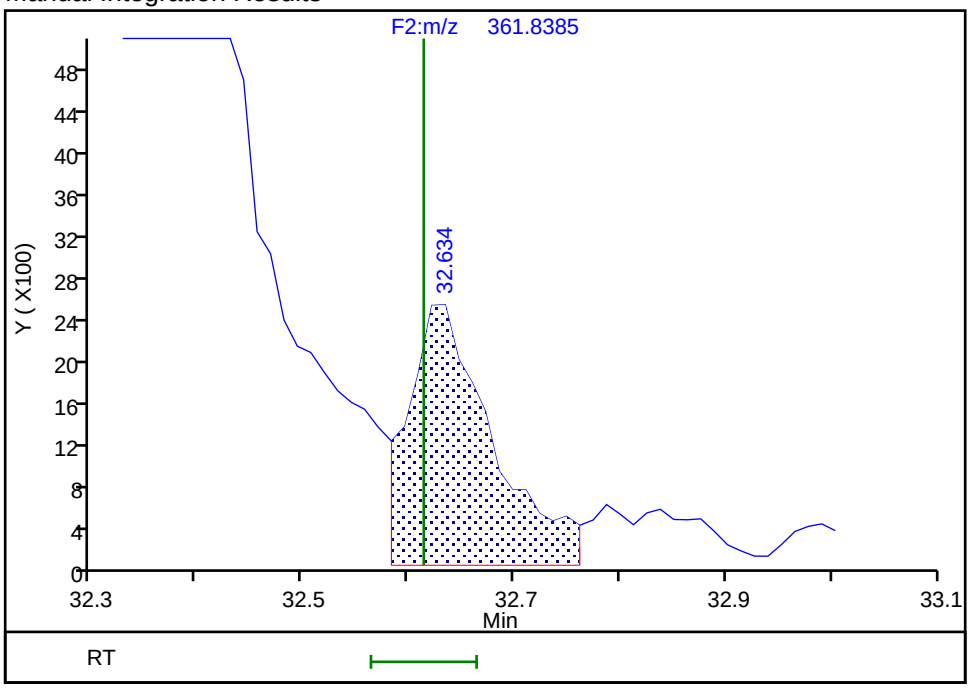
Processing Integration Results

RT: 32.63
Area: 13538
Amount: 0.394283
Amount Units: pg/ul




Manual Integration Results

RT: 32.63
Area: 13538
Amount: 0.726299
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:38:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

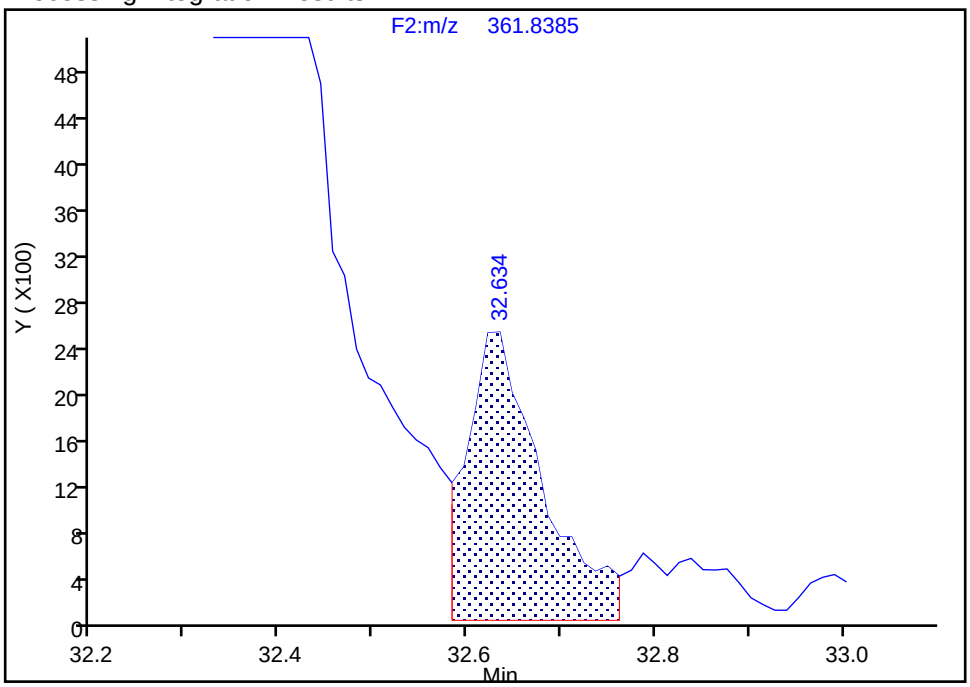
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 3

Processing Integration Results

RT: 32.63
Area: 16818
Amount: 0.394283
Amount Units: pg/ul




Manual Integration Results

RT: 32.63
Area: 30980
Amount: 0.726299
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:38:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

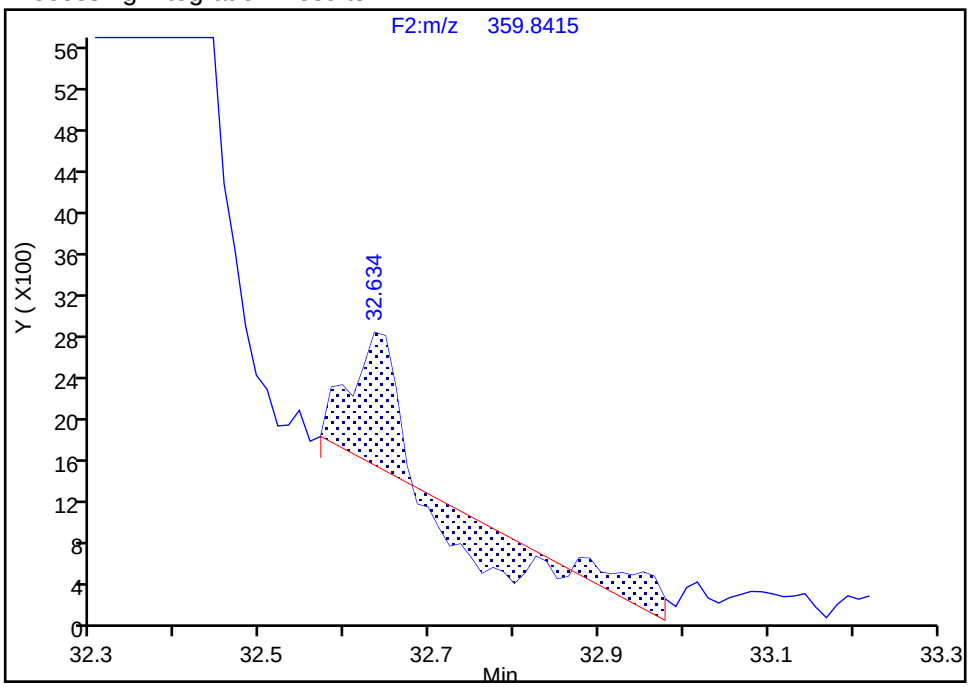
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-145, CAS: 74472-40-5

Signal: 1

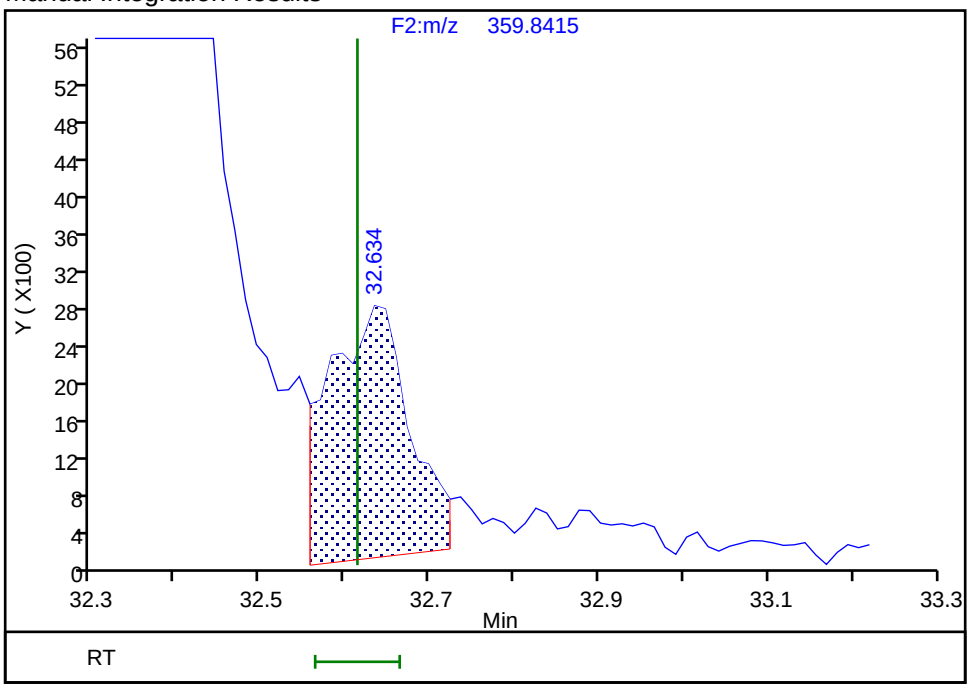
Processing Integration Results

RT: 32.63
Area: 3280
Amount: 0.394283
Amount Units: pg/ul




Manual Integration Results

RT: 32.63
Area: 17442
Amount: 0.726299
Amount Units: pg/ul

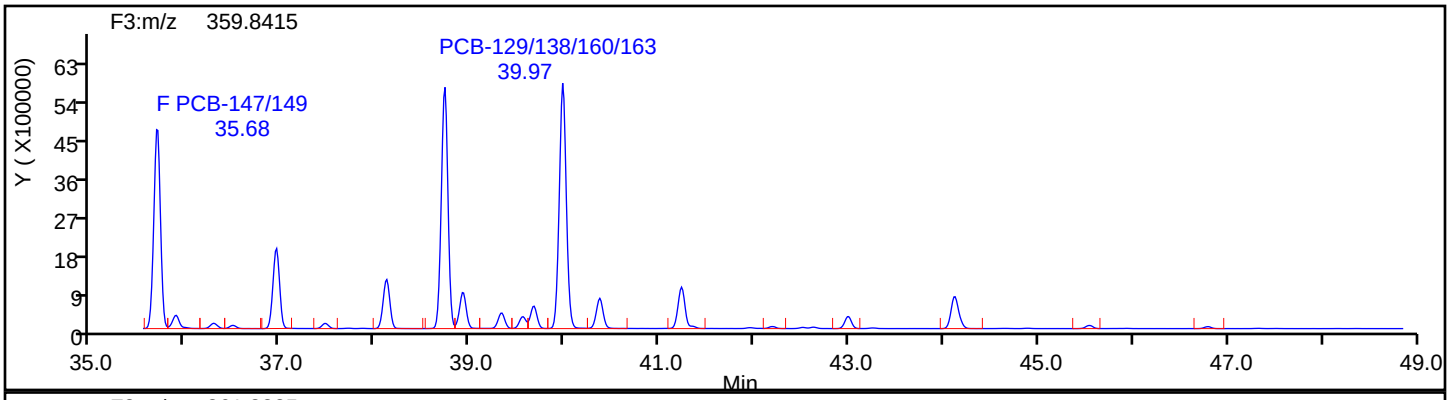


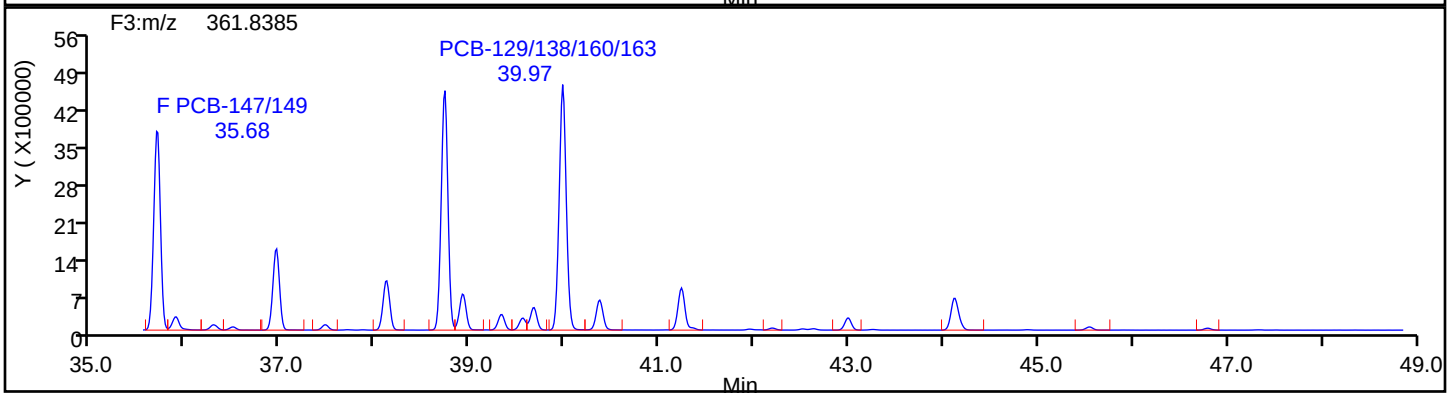

Reviewer: mcwhirterl, 09-Oct-2019 21:38:15
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

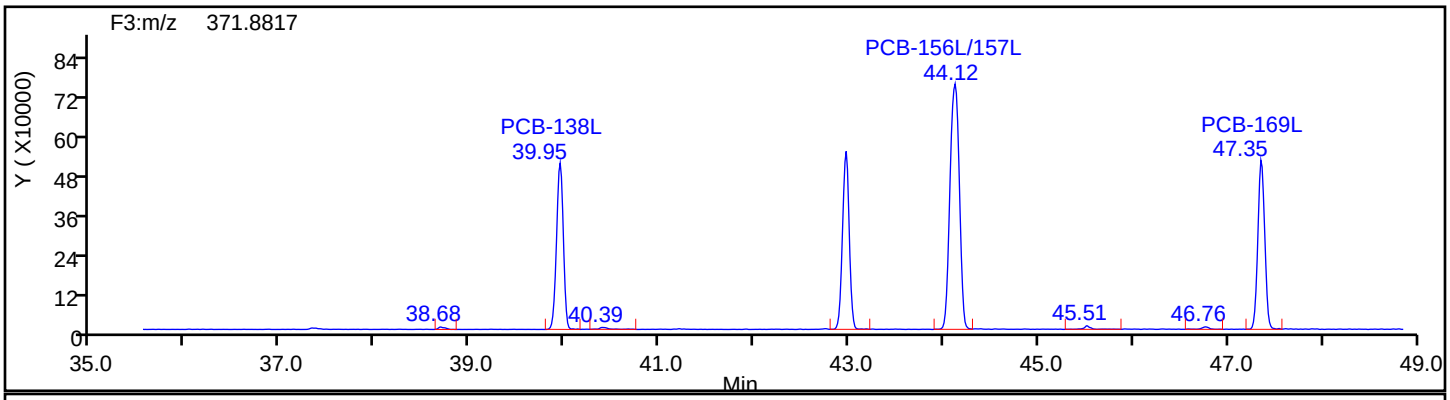
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

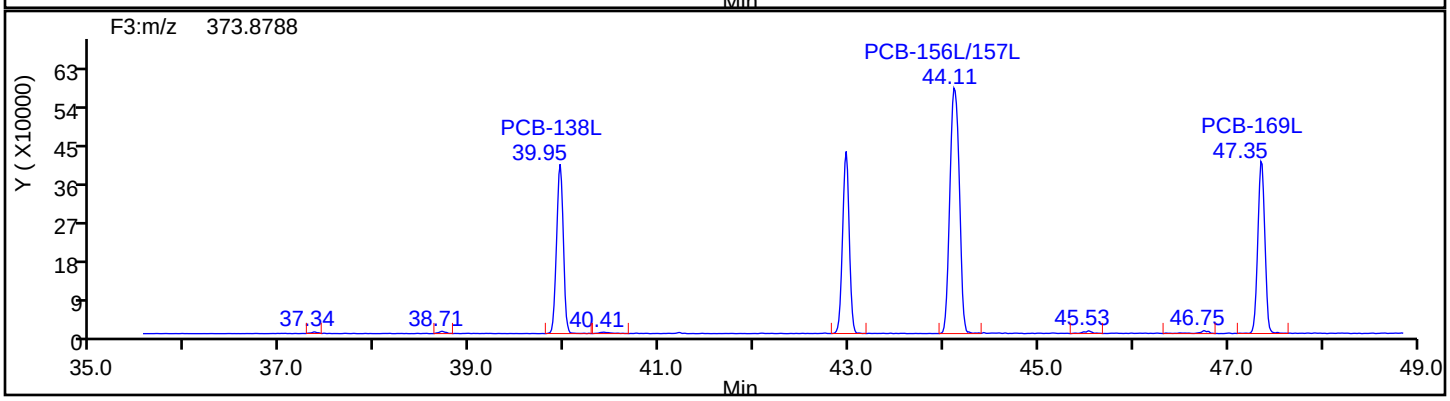
HxPCB F3




HxPCB F3 Standards

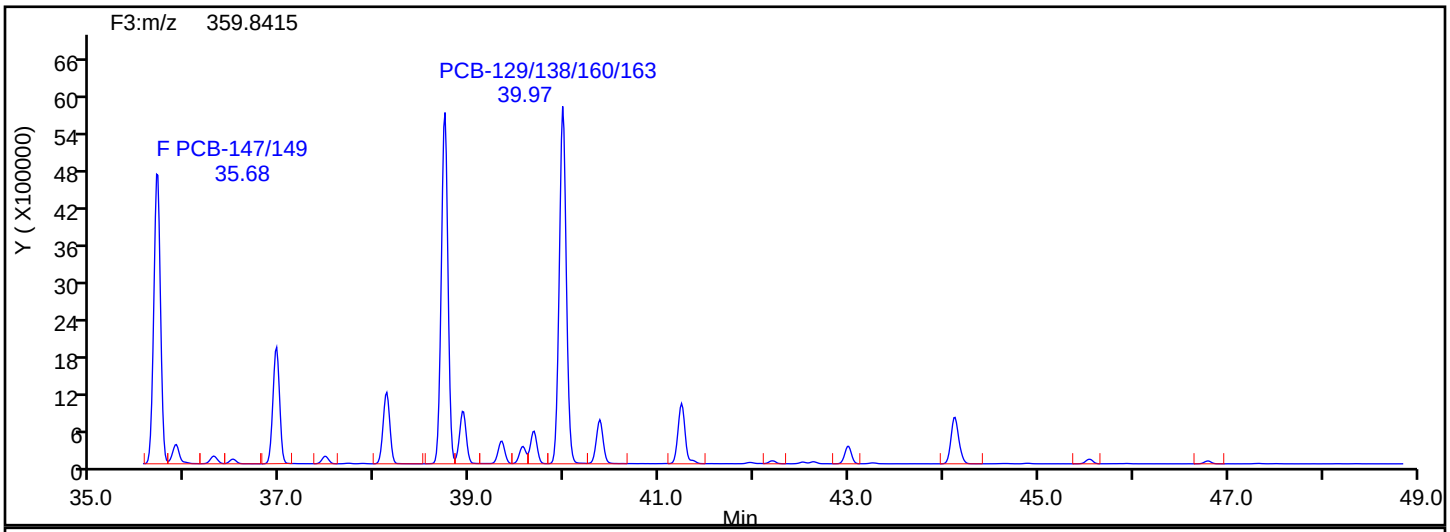


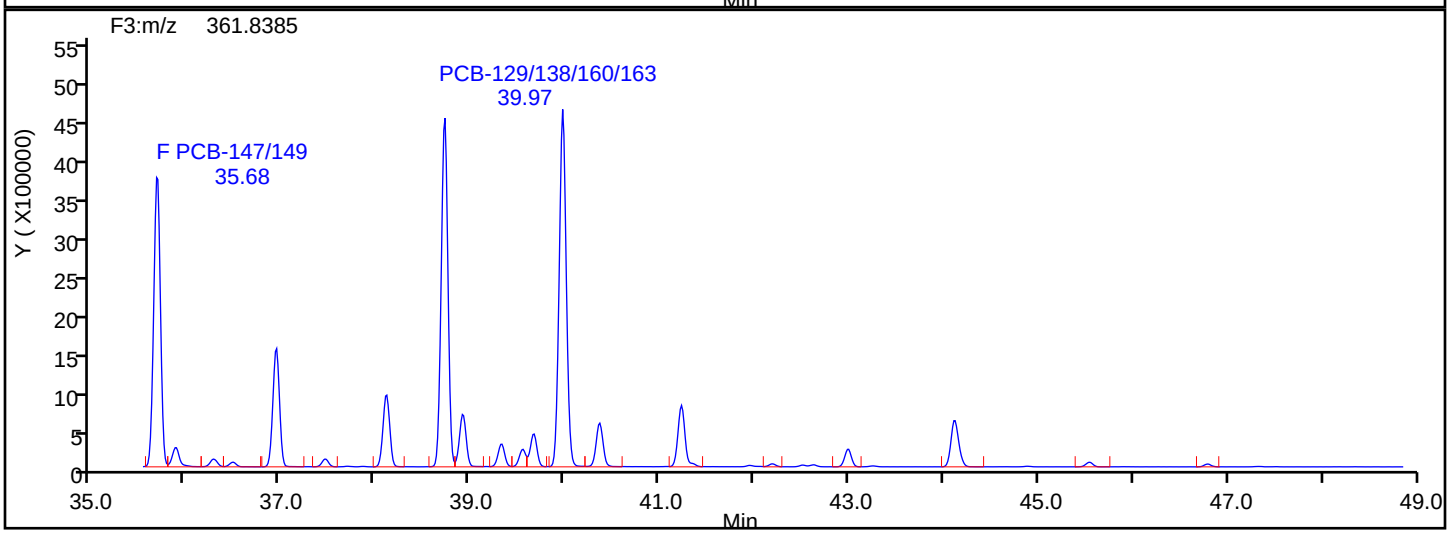



Eurofins TestAmerica, Knoxville

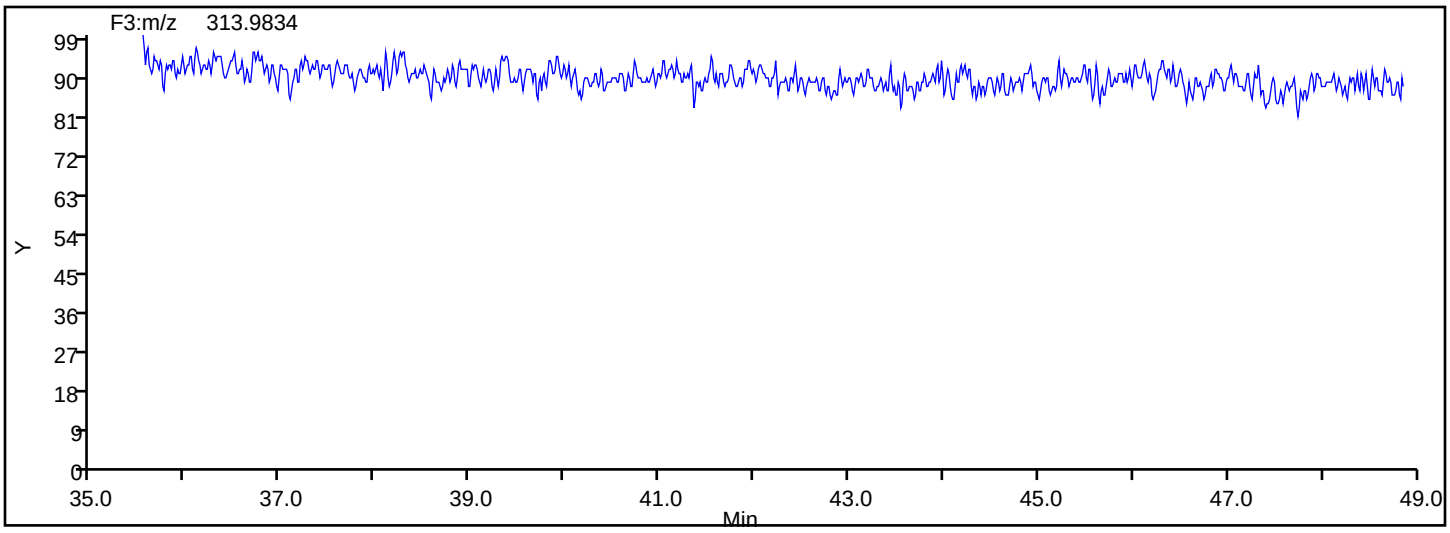
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

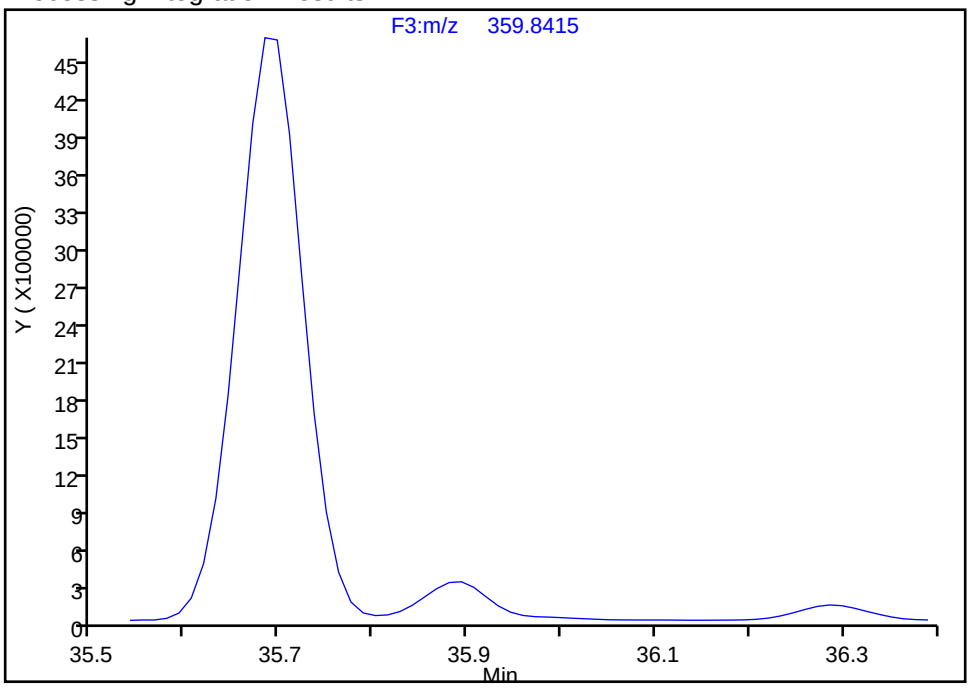
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

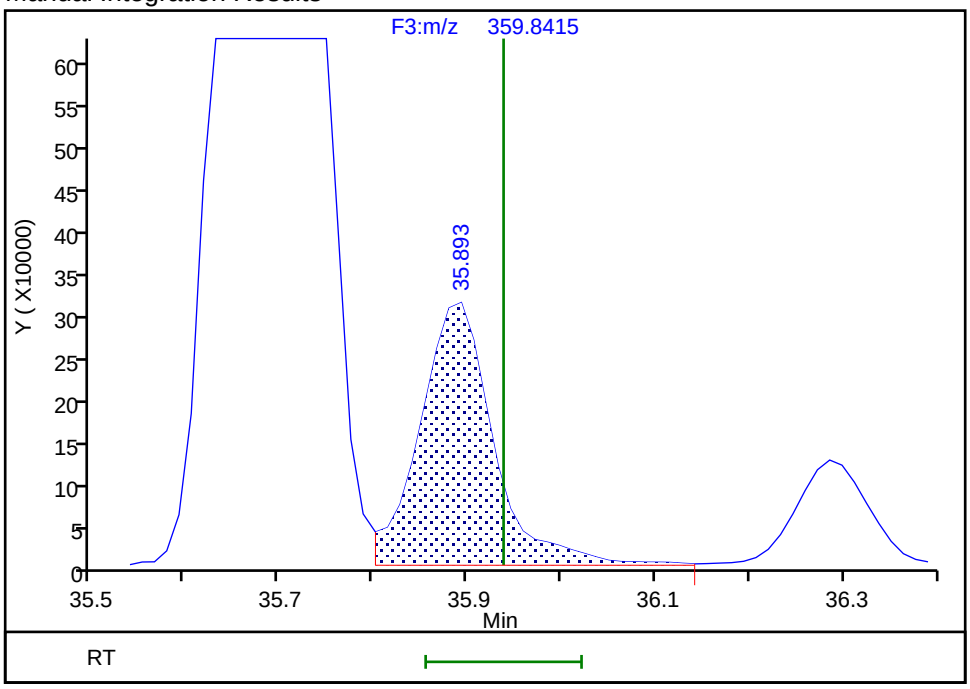
Not Detected
Expected RT: 35.94

Processing Integration Results




Manual Integration Results

RT: 35.89
Area: 1692927
Amount: 76.178684
Amount Units: pg/ul

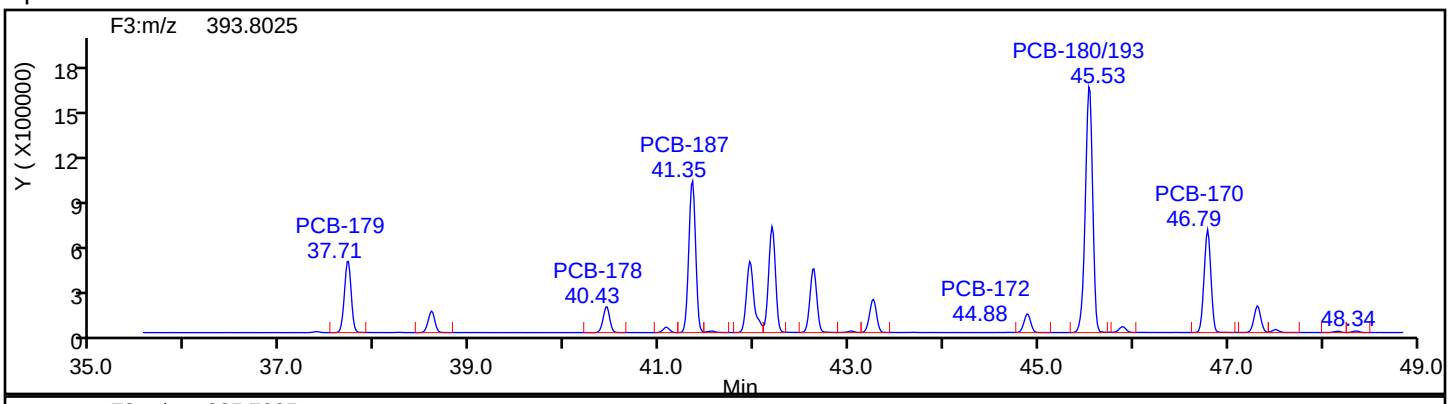


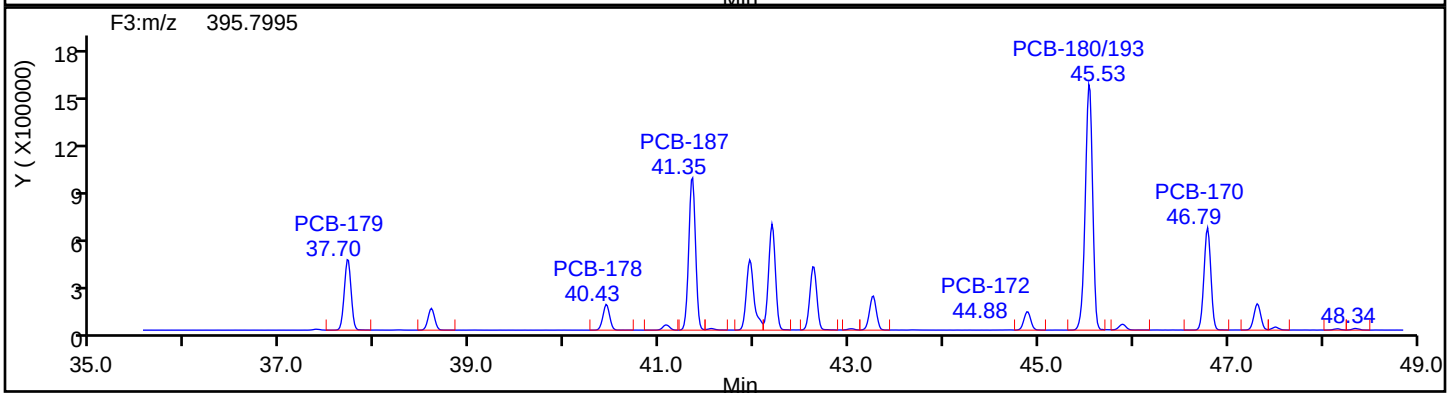

Reviewer: mcwhirterl, 09-Oct-2019 21:38:30
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

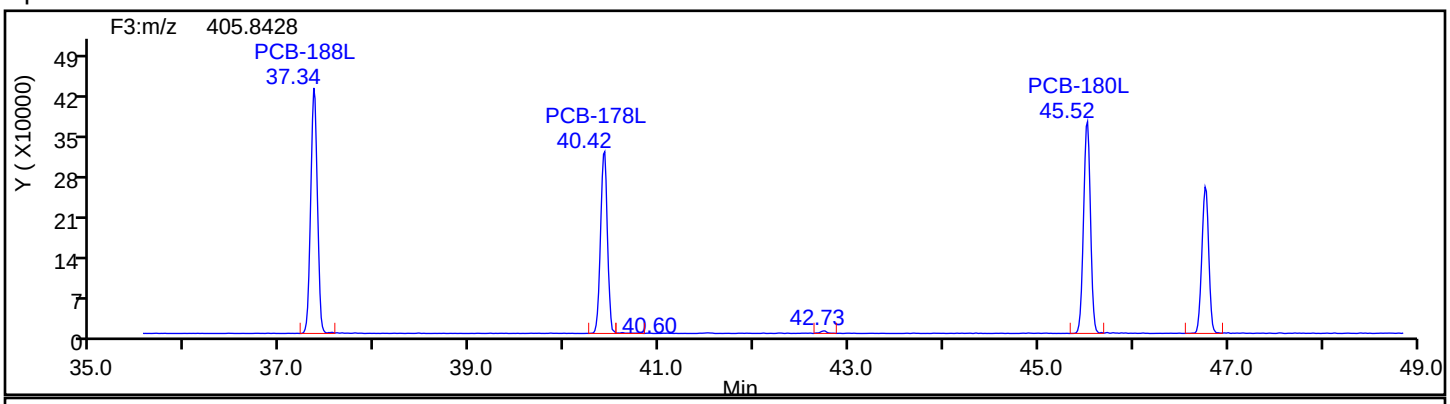
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

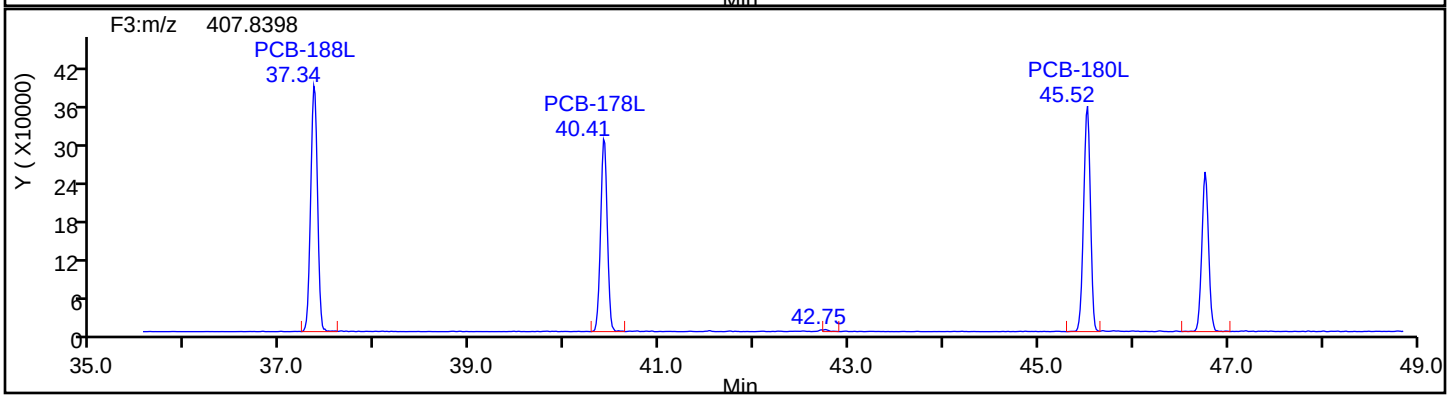
HpPCB F3




HpPCB F3 Standards

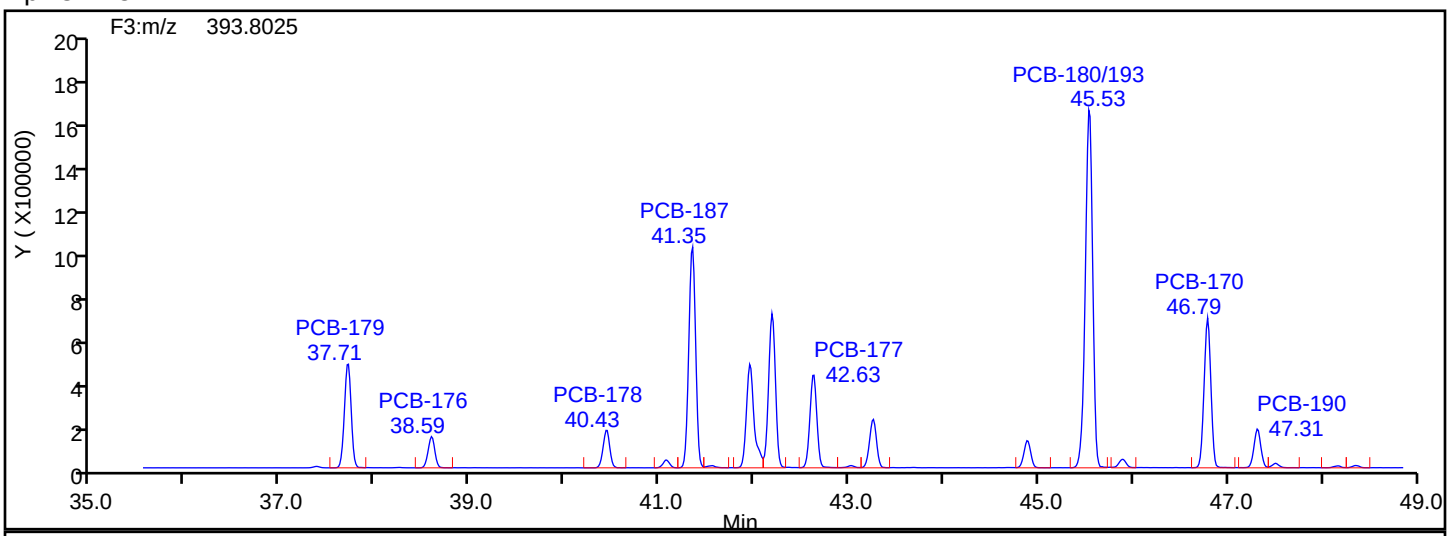


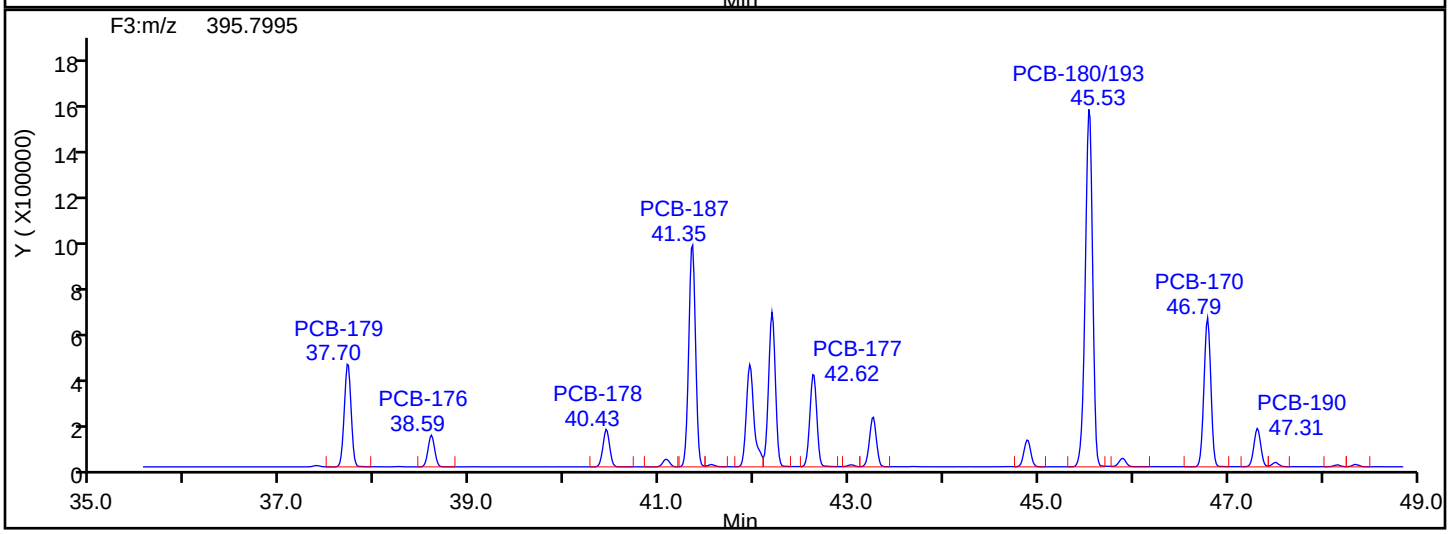



Eurofins TestAmerica, Knoxville

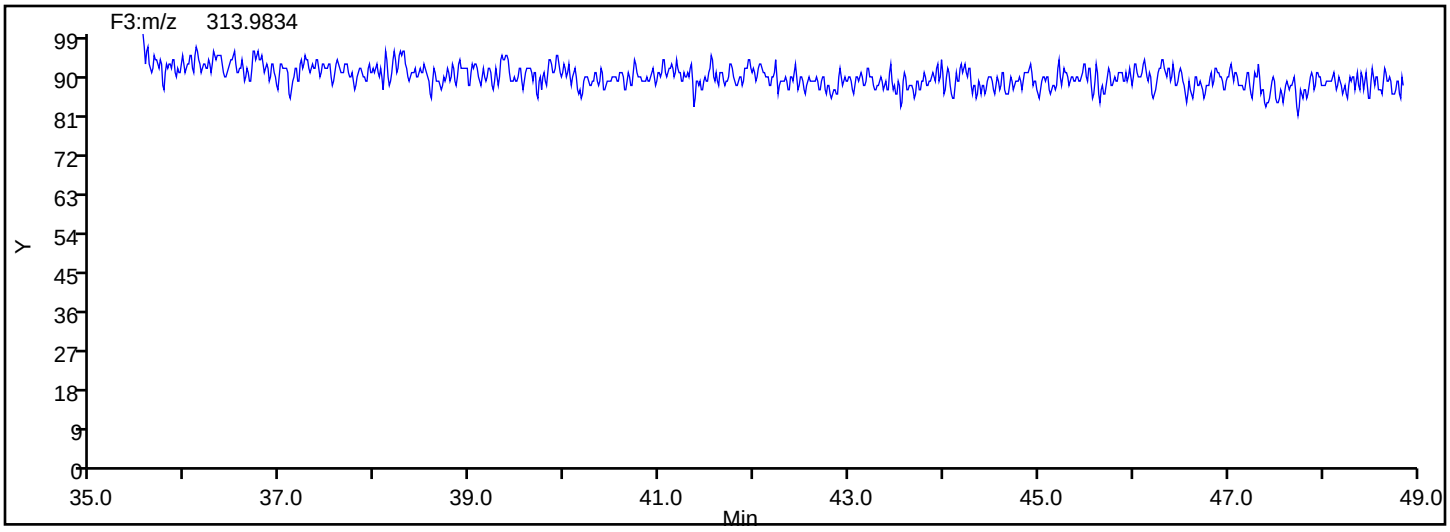
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass

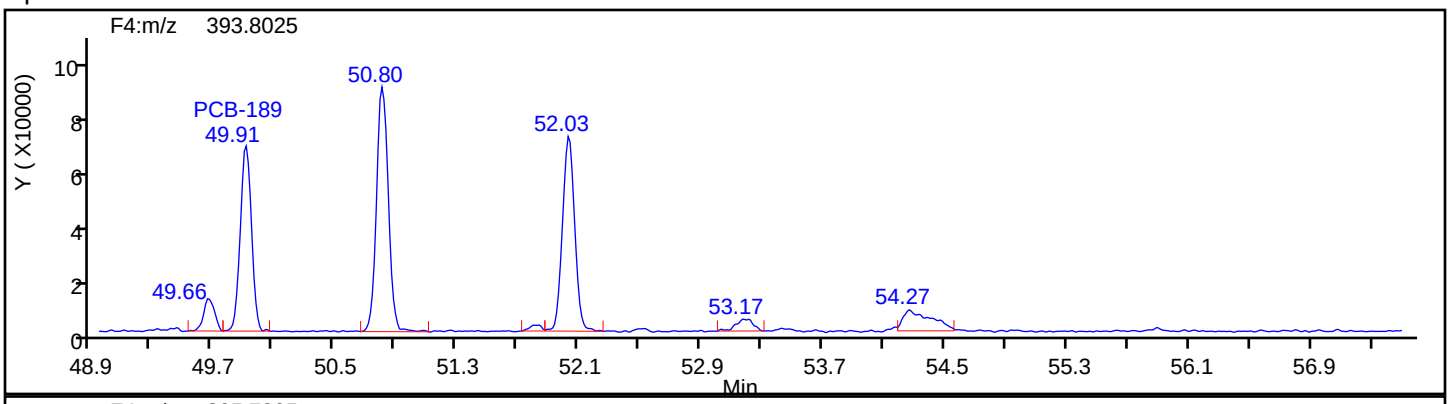


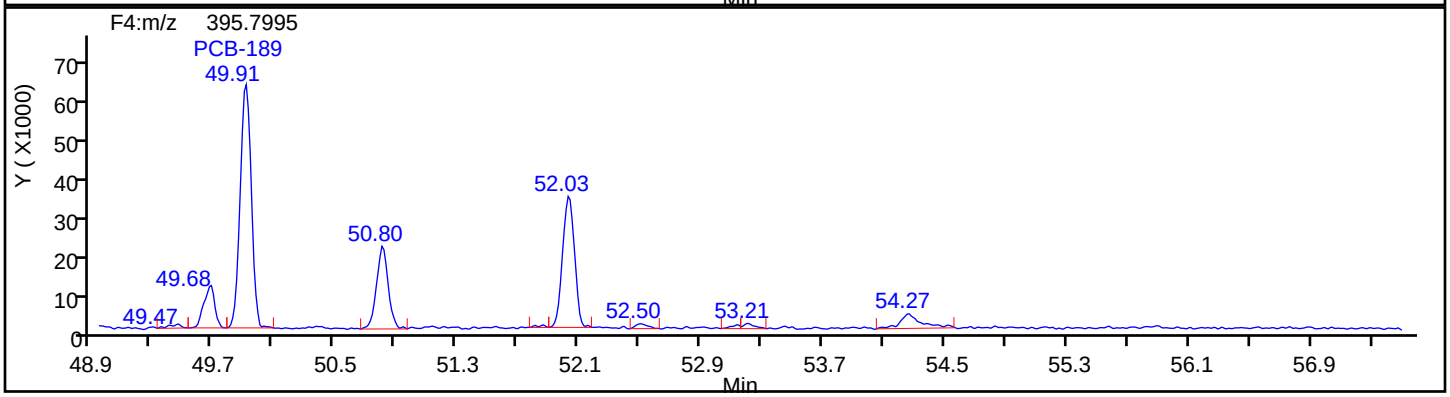
Report Date: 09-Oct-2019 21:41:54 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

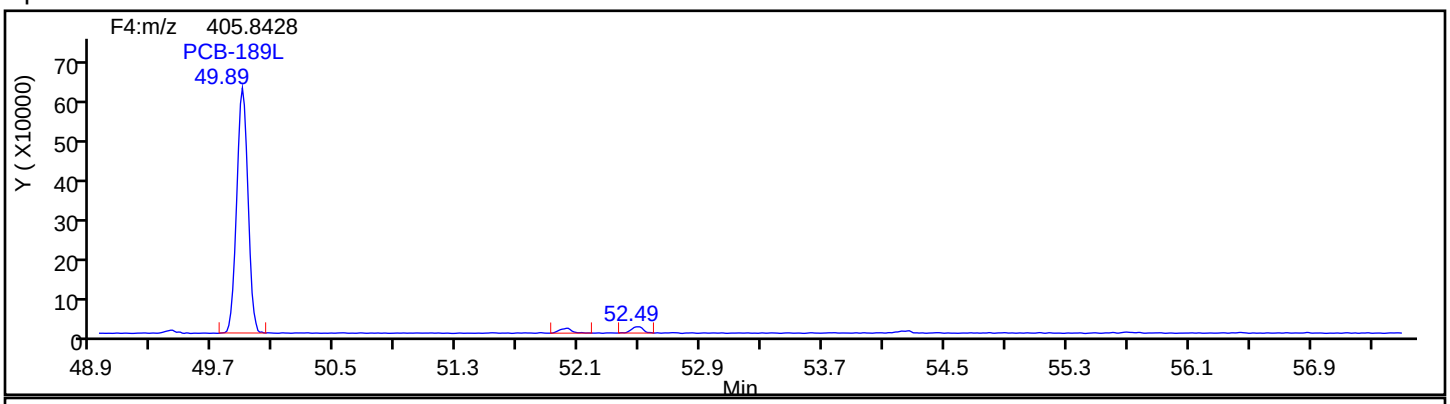
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

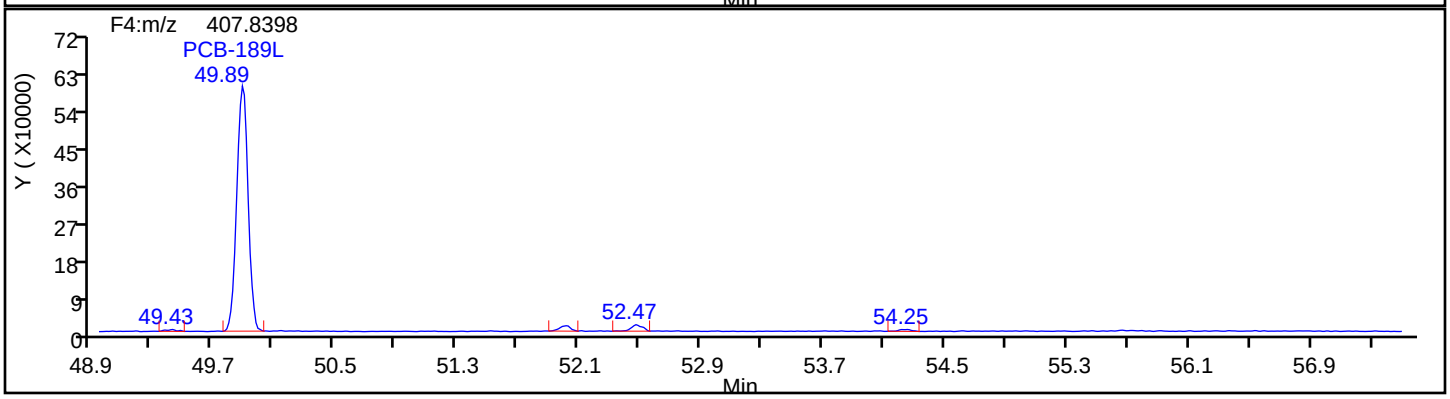
HpPCB F4




HpPCB F4 Standards

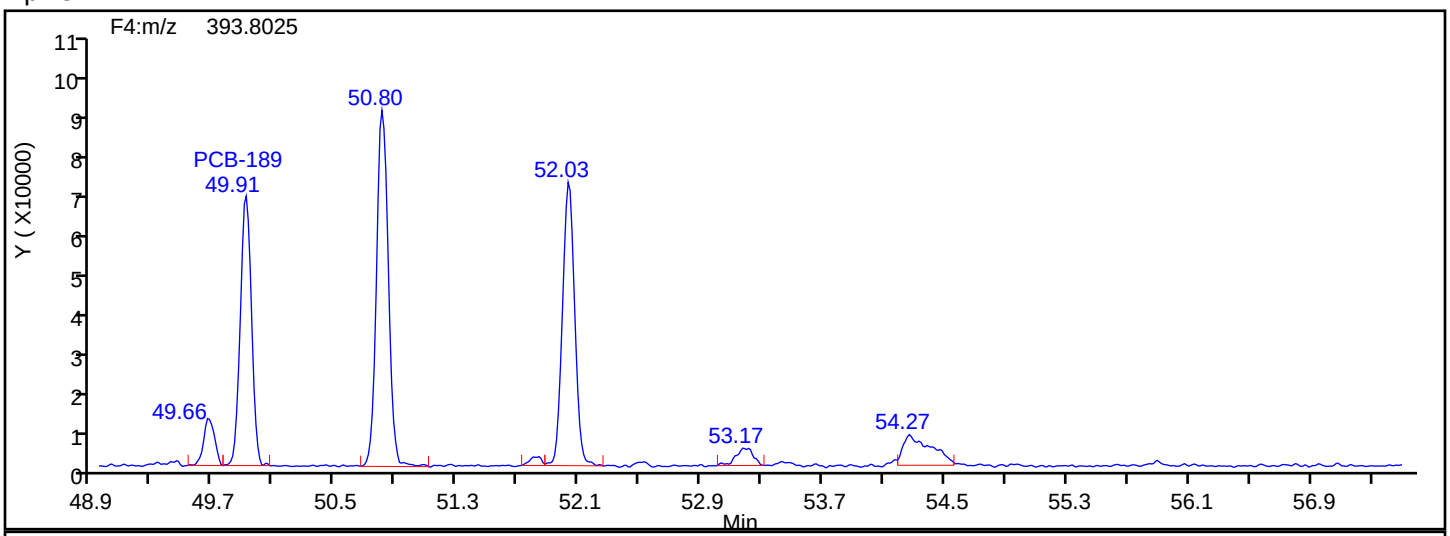


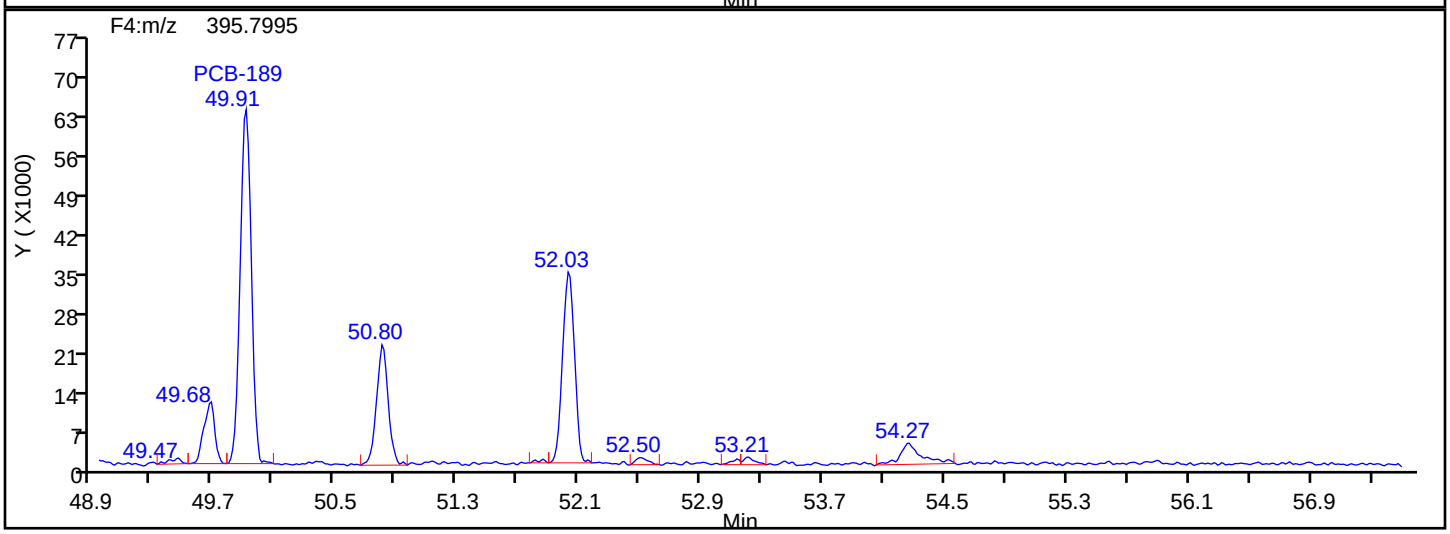



Eurofins TestAmerica, Knoxville

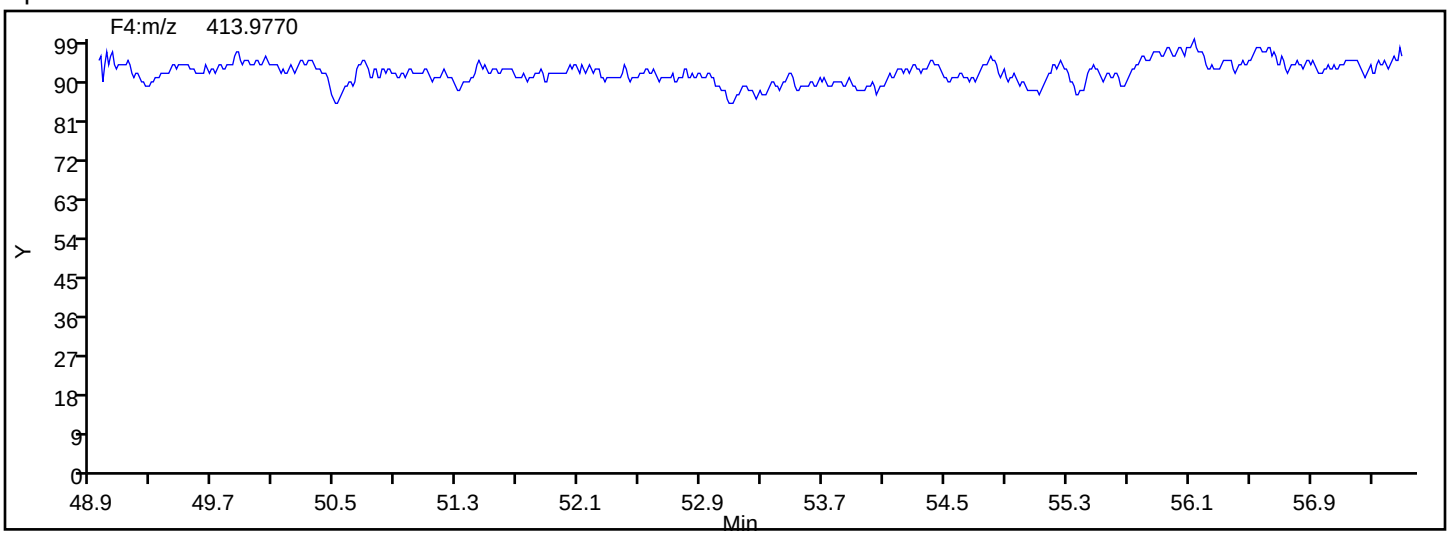
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



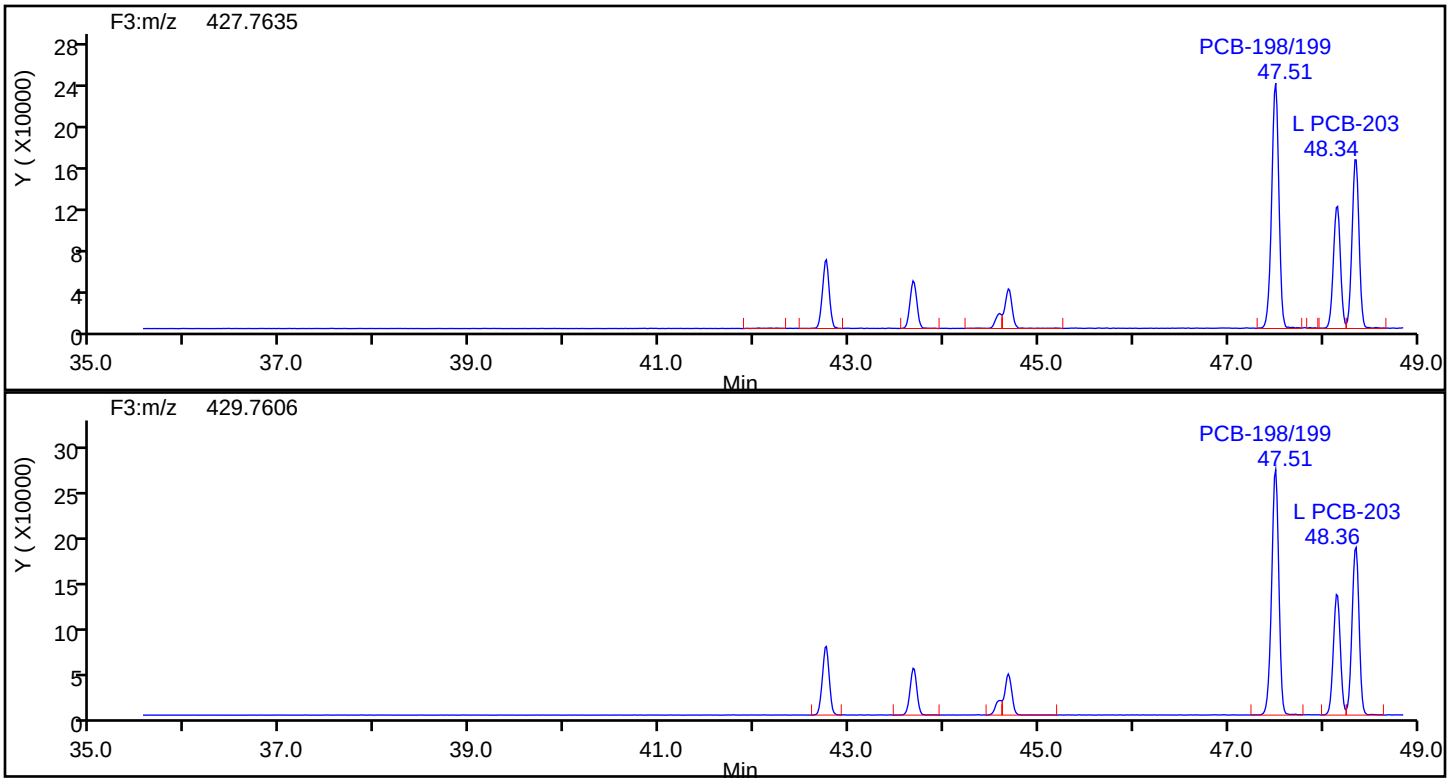

HpPCB F4 Lock Mass



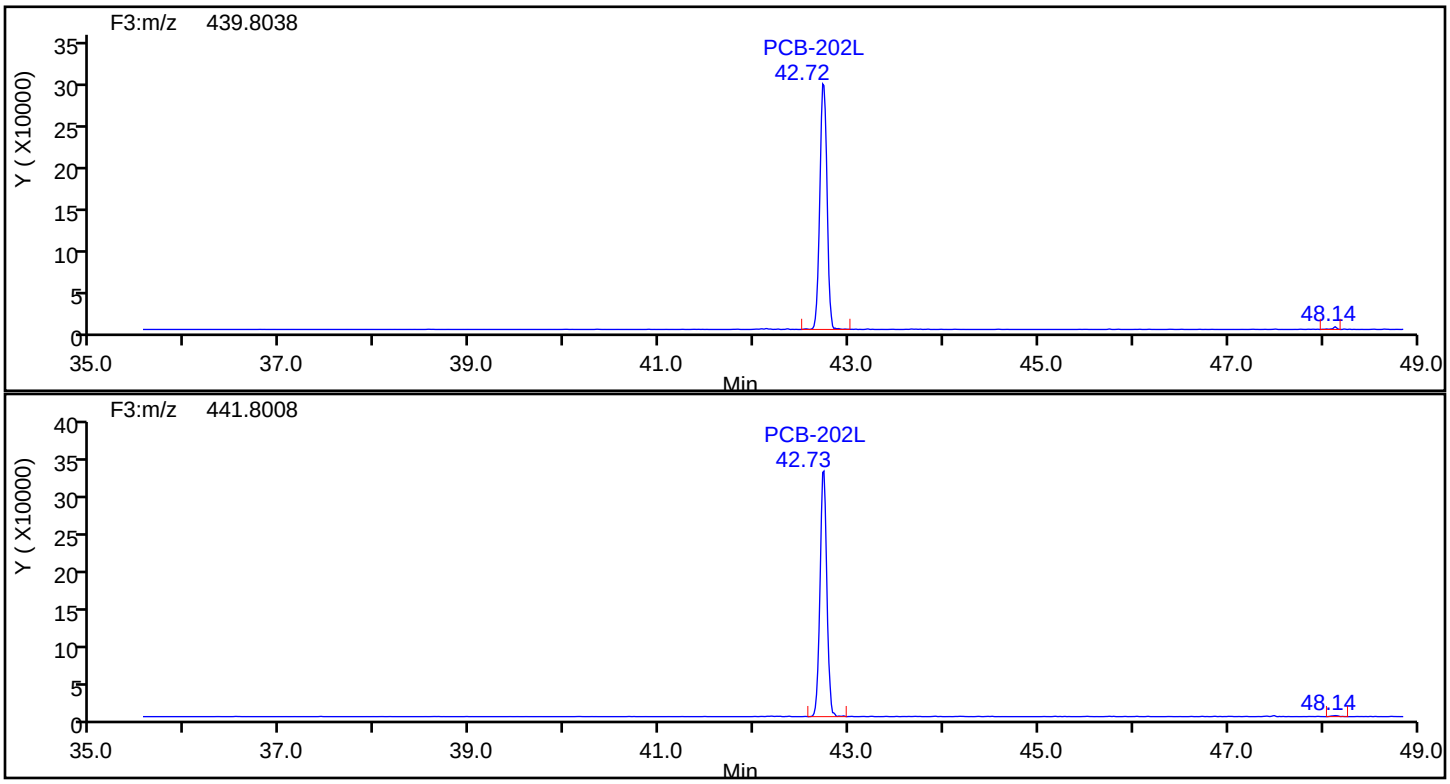
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



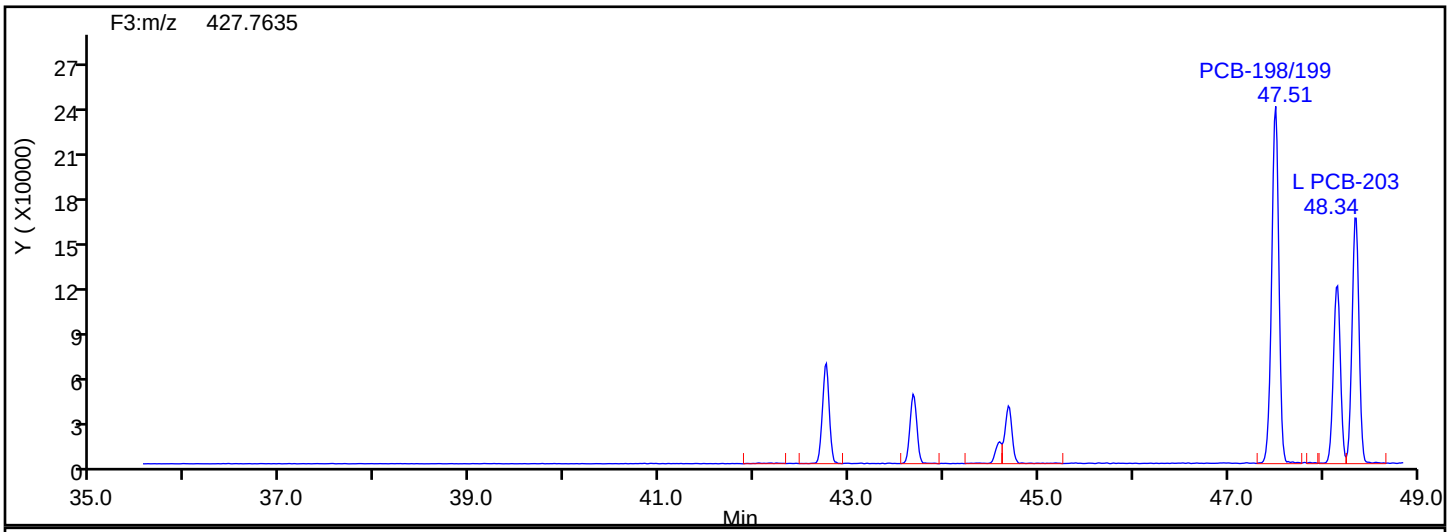

OcPCB F3 Standards

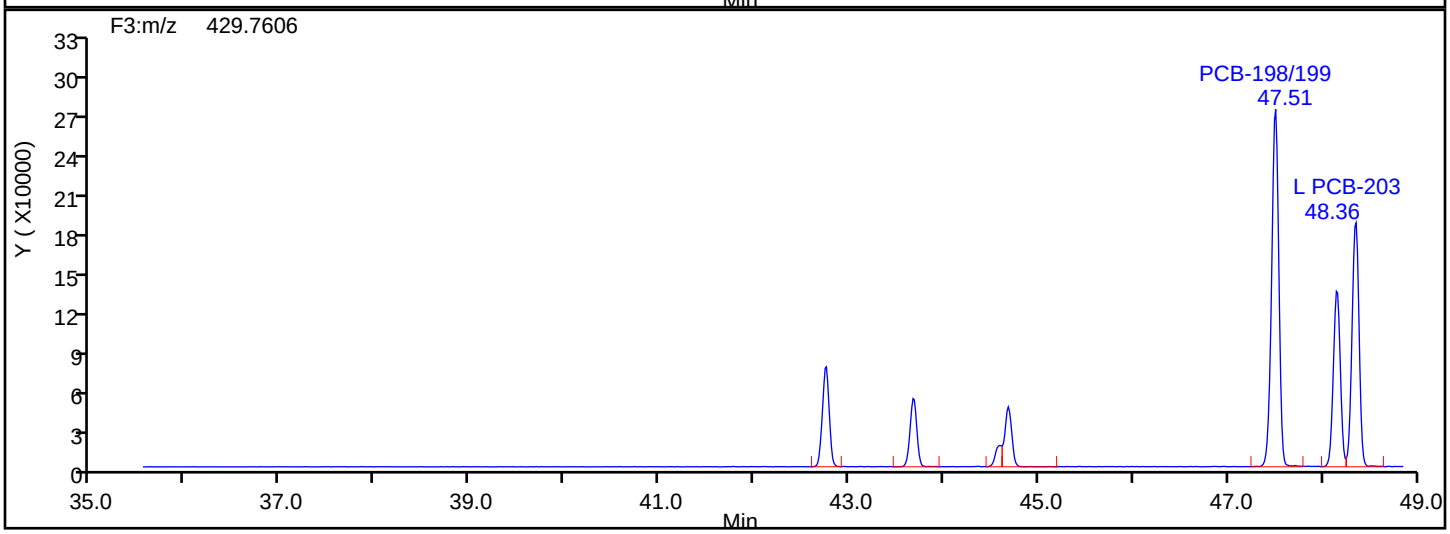


Eurofins TestAmerica, Knoxville

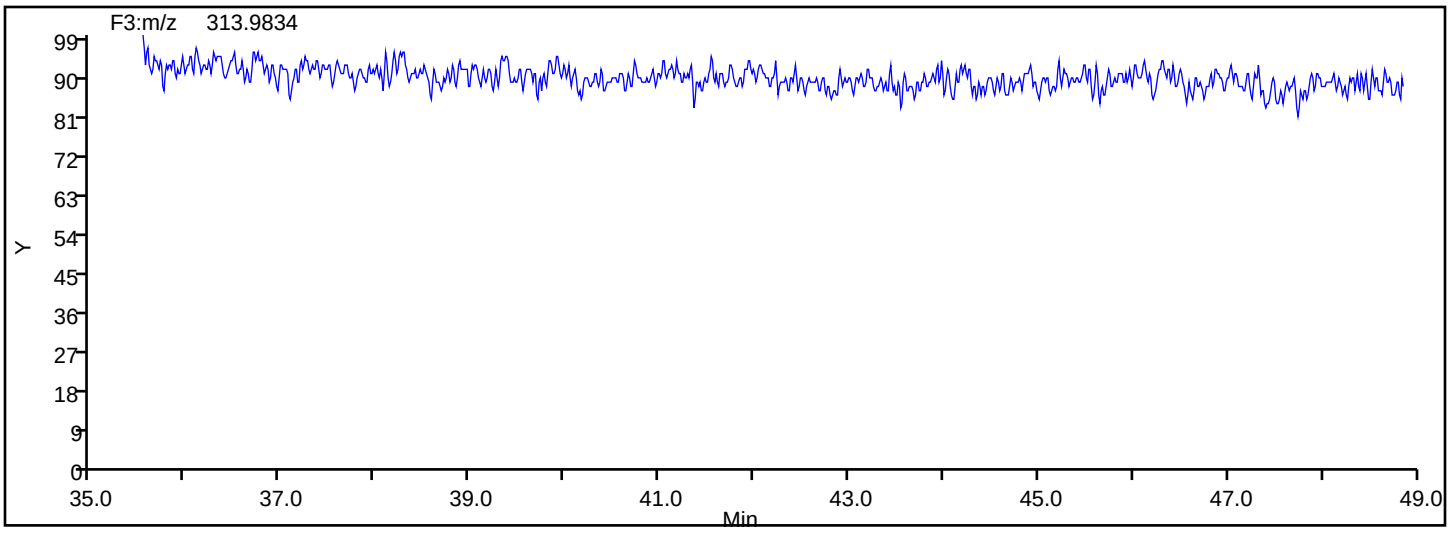
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



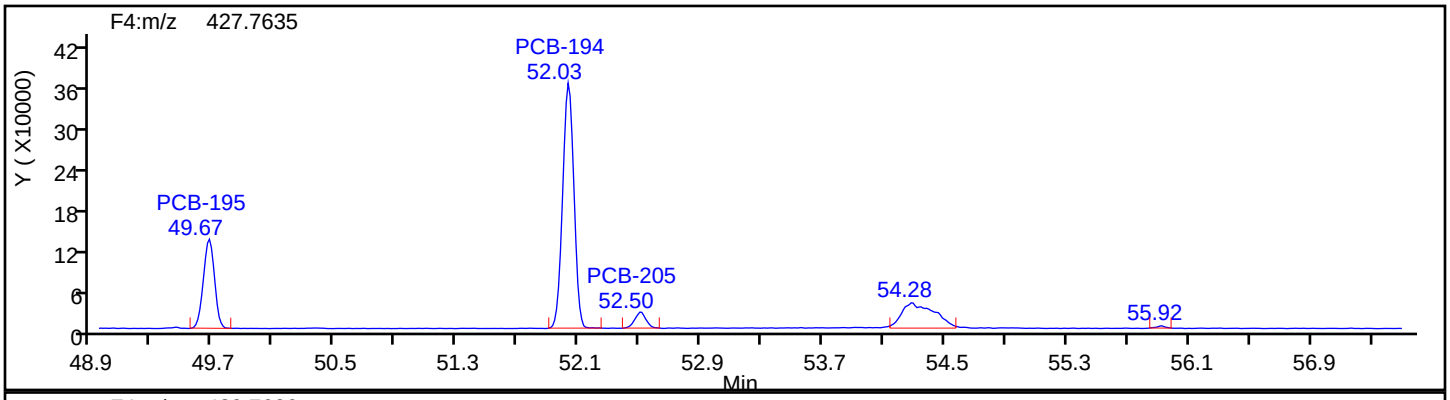

OcPCB F3 Lock Mass

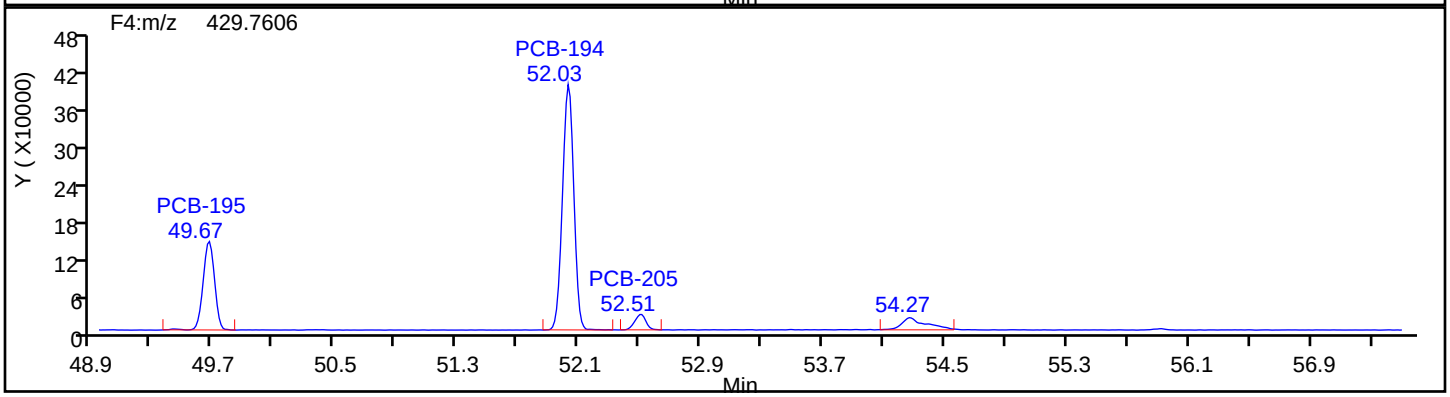


Eurofins TestAmerica, Knoxville

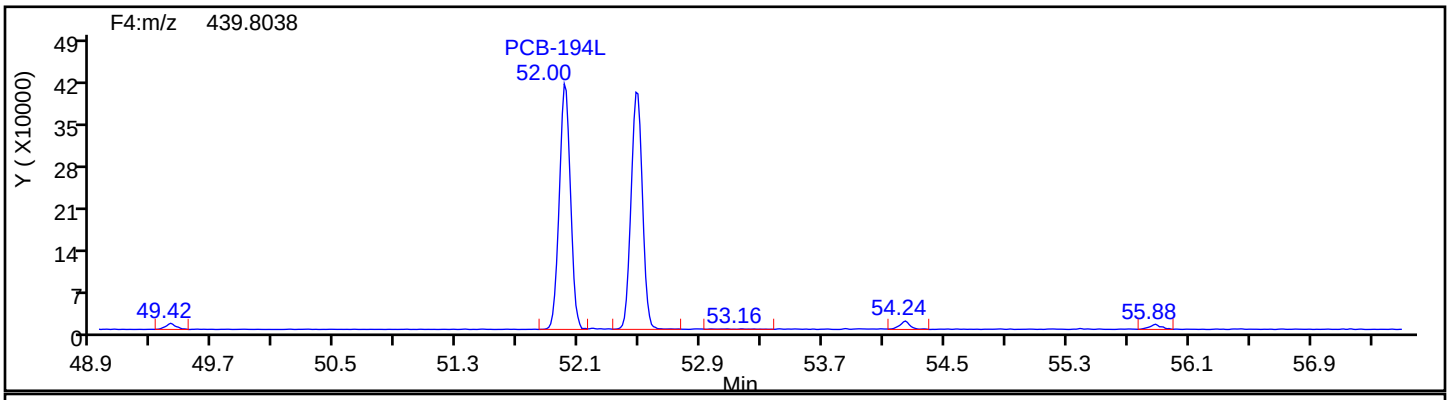
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

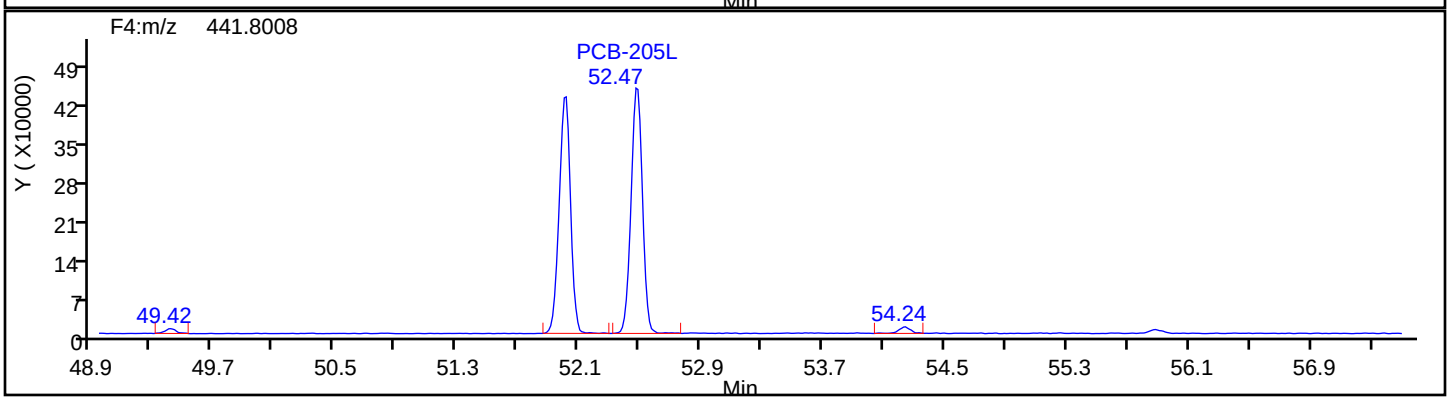
OcPCB F4




OcPCB F4 Standards

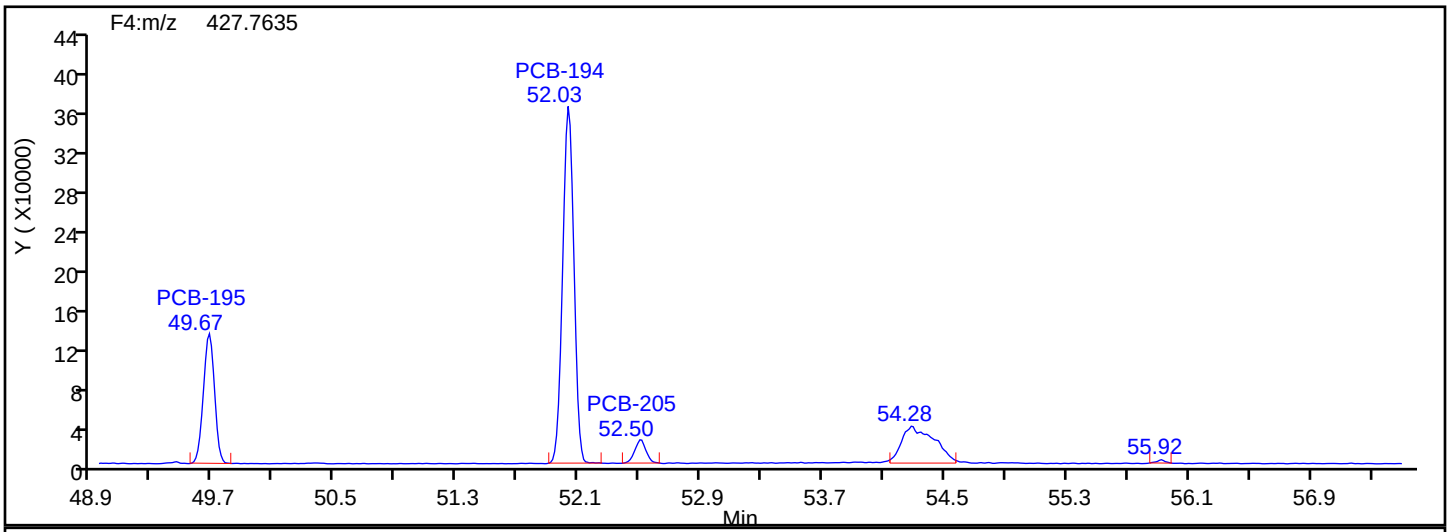


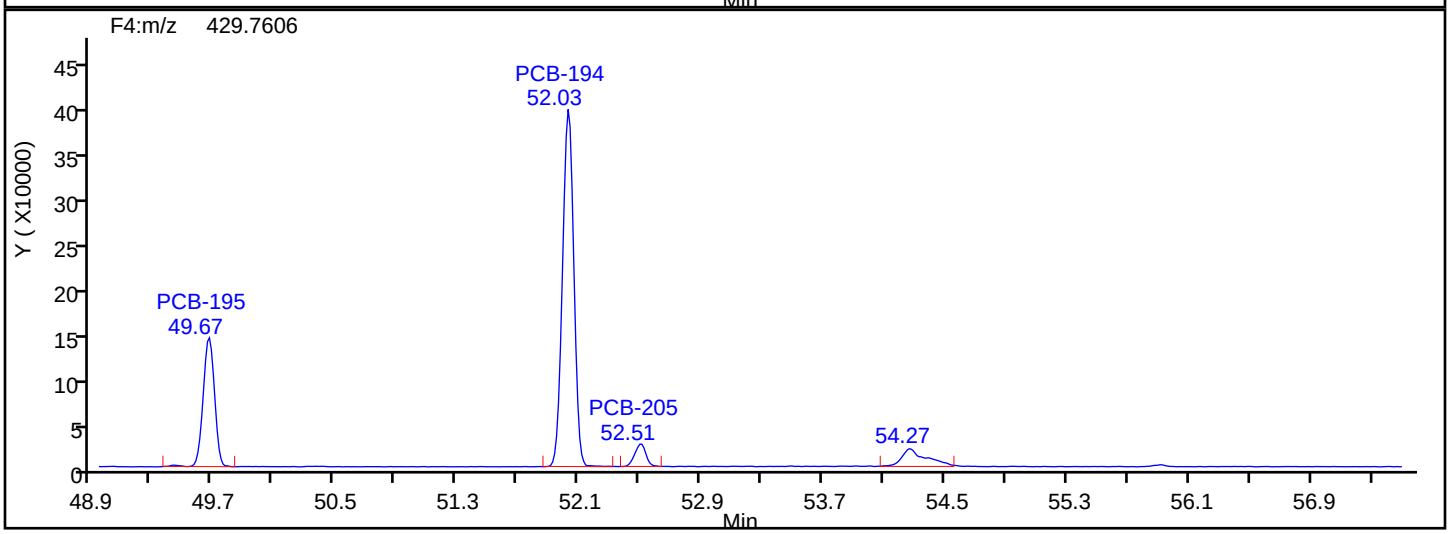



Eurofins TestAmerica, Knoxville

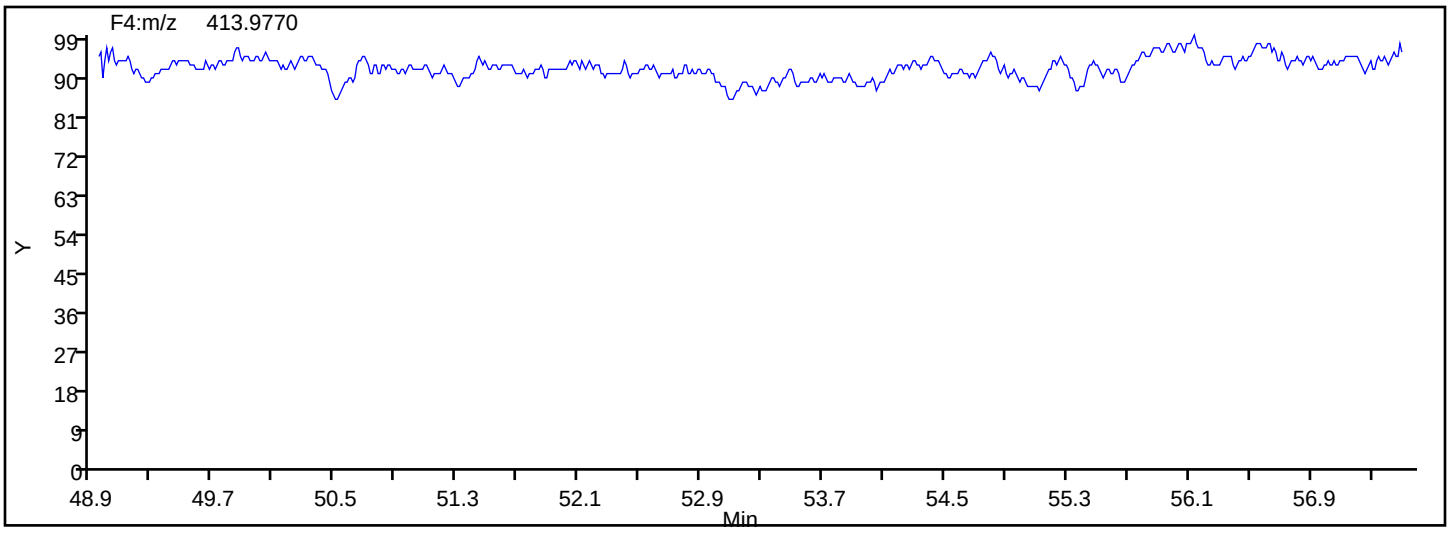
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass

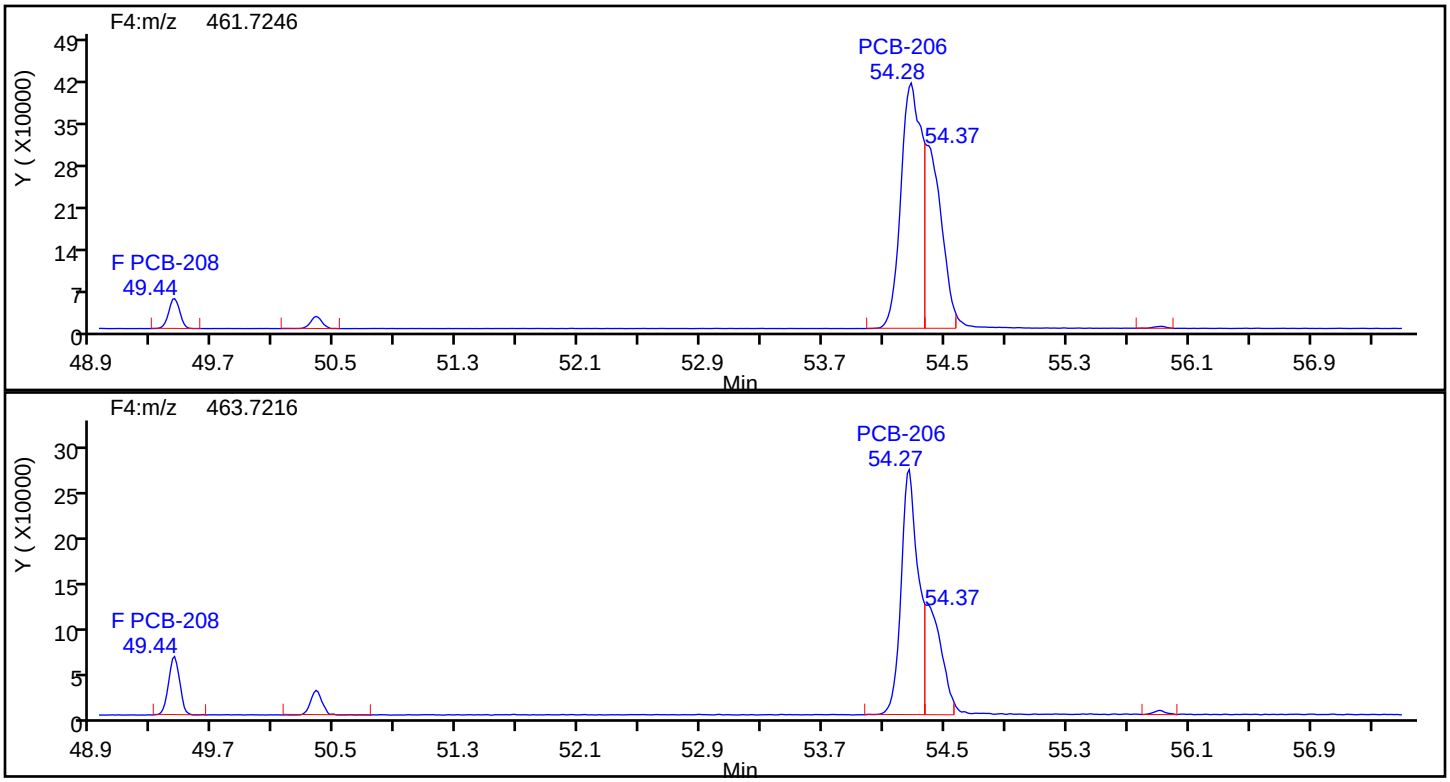


Report Date: 09-Oct-2019 21:41:54 Chrom Revision: 2.3 17-Sep-2019 16:19:08

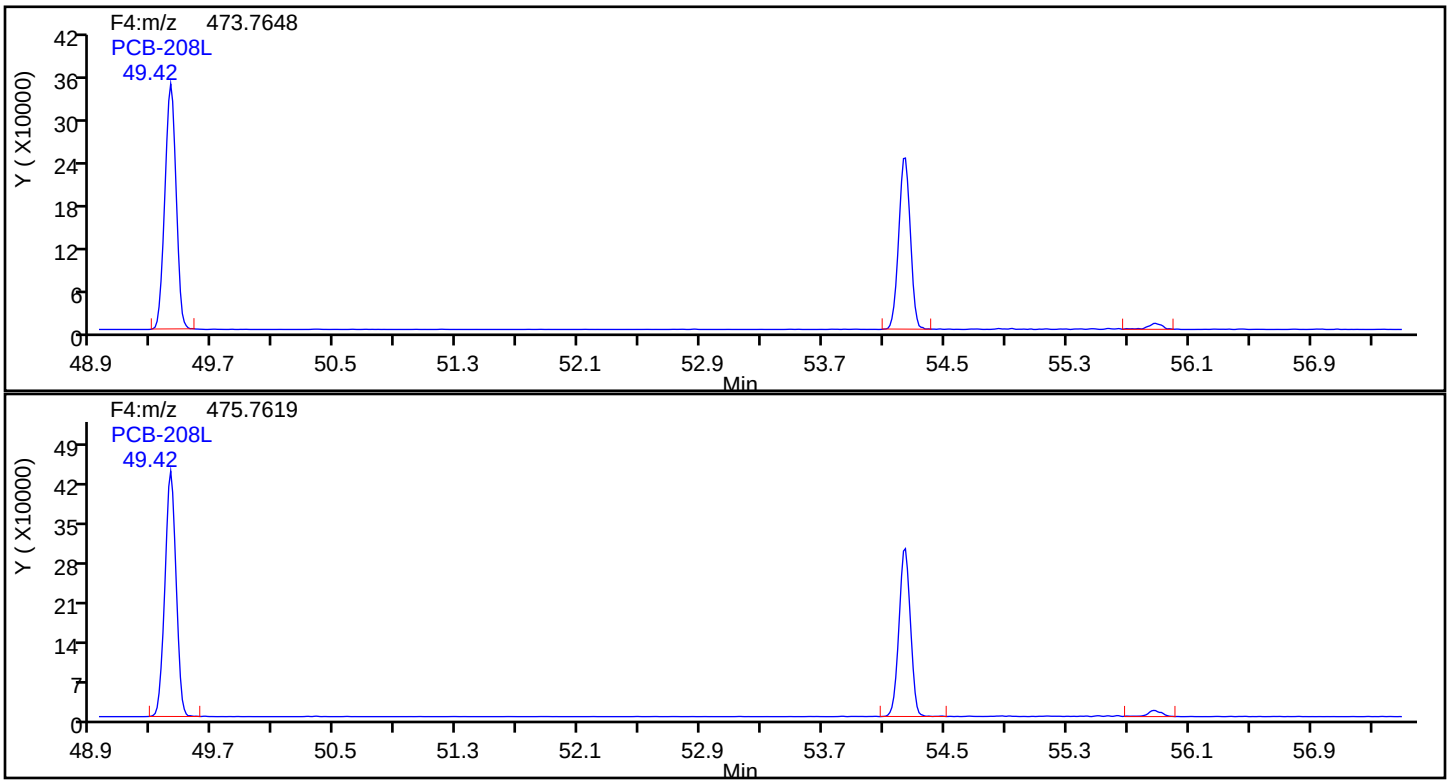
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



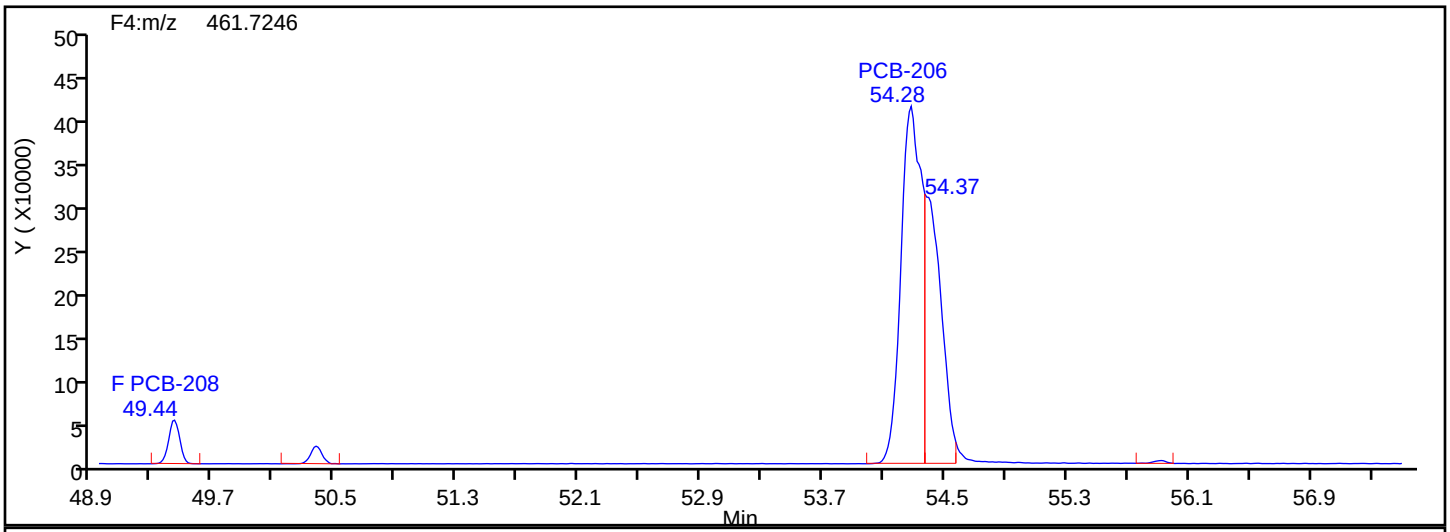

NoPCB F4 Standards

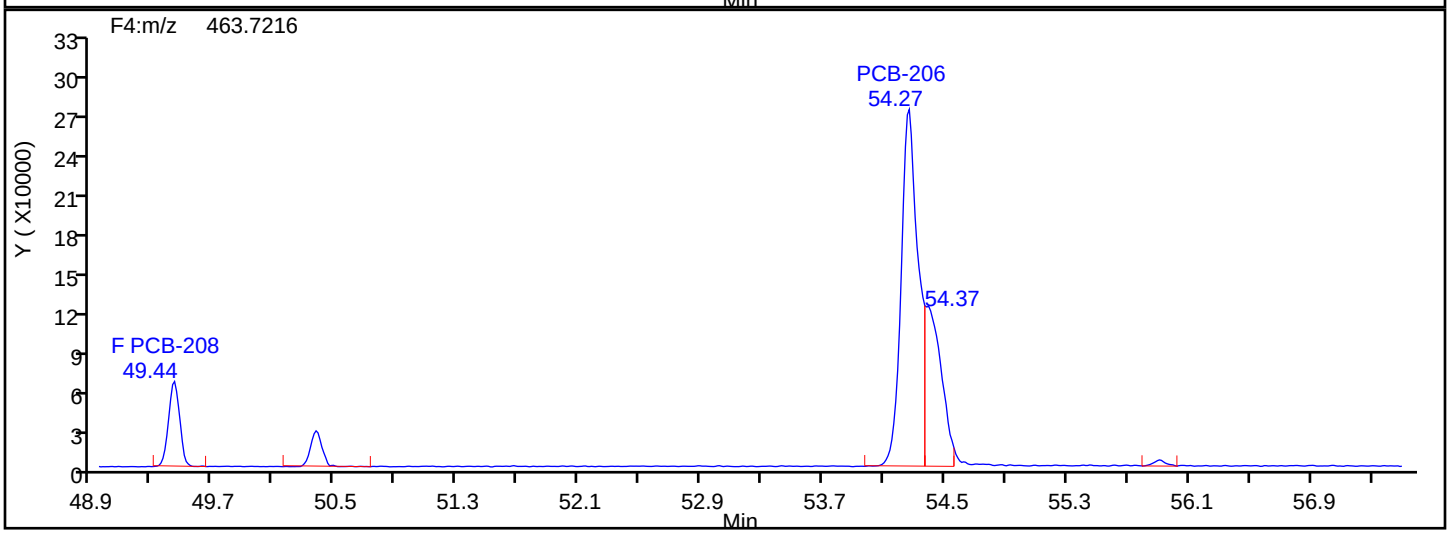


Eurofins TestAmerica, Knoxville

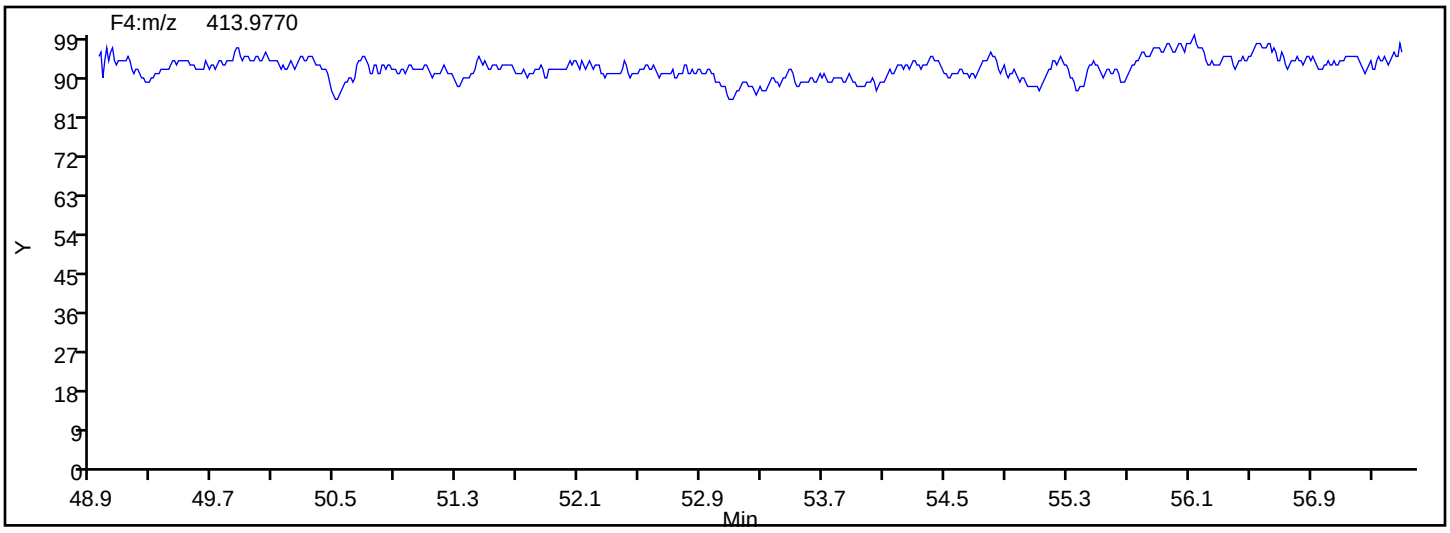
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

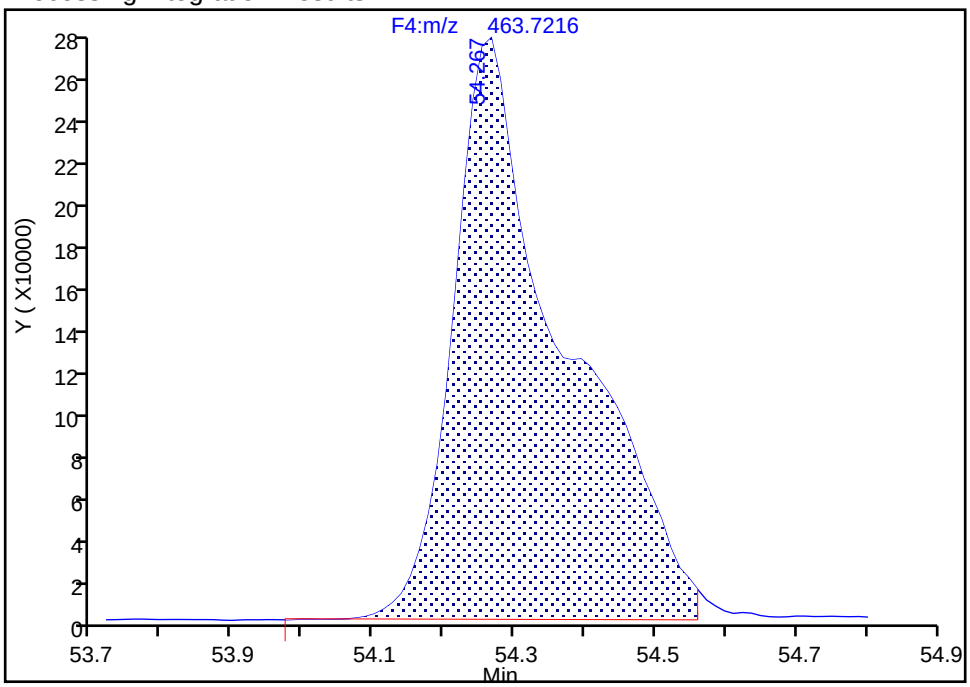
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

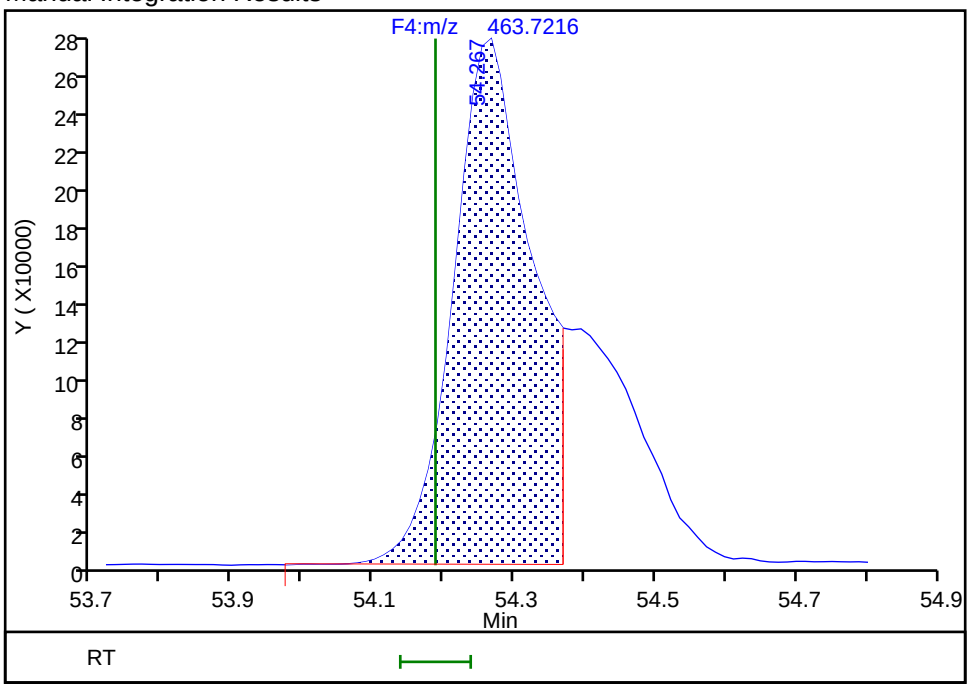
Processing Integration Results

RT: 54.27
Area: 2988449
Amount: 267.0343
Amount Units: pg/ul




Manual Integration Results

RT: 54.27
Area: 2100770
Amount: 174.4356
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:39:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

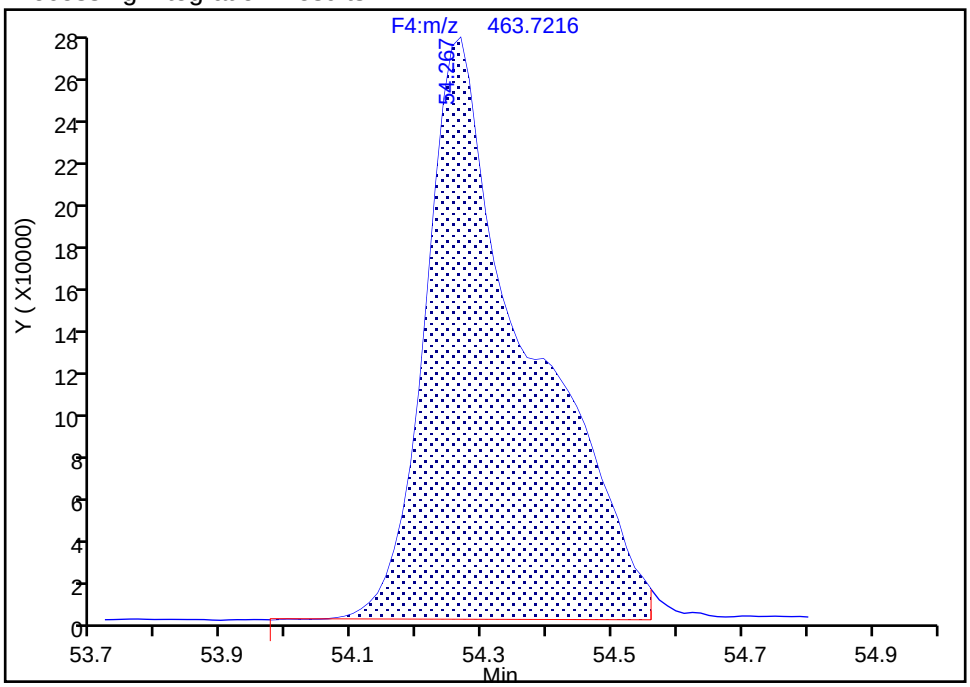
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 3

Processing Integration Results

RT: 54.28
Area: 9031152
Amount: 267.0343
Amount Units: pg/ul




Manual Integration Results

RT: 54.28
Area: 5899447
Amount: 174.4356
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 21:39:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

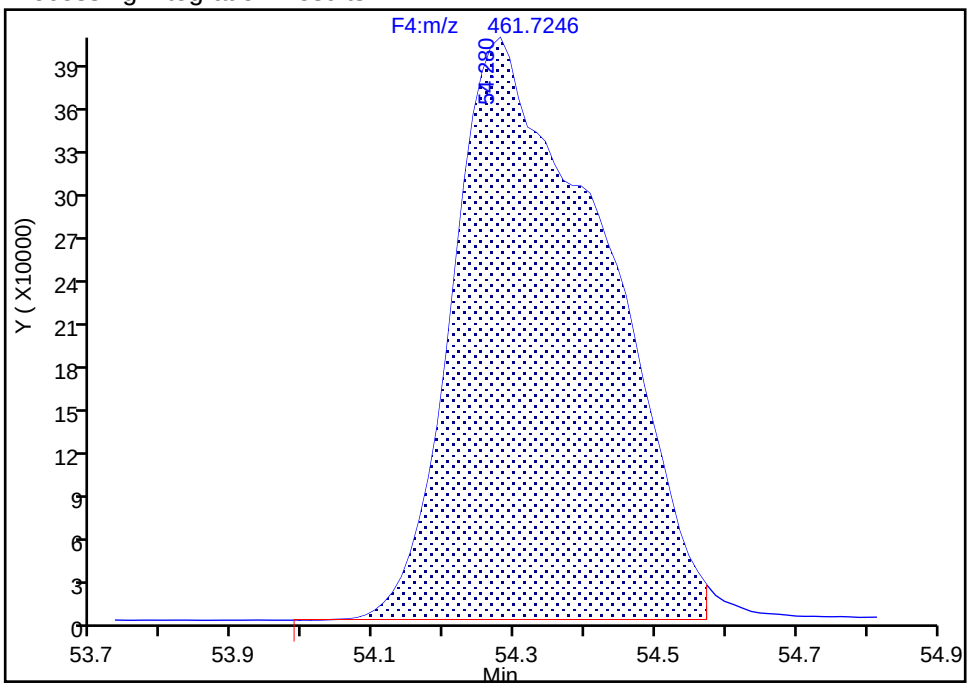
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-F | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 10 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

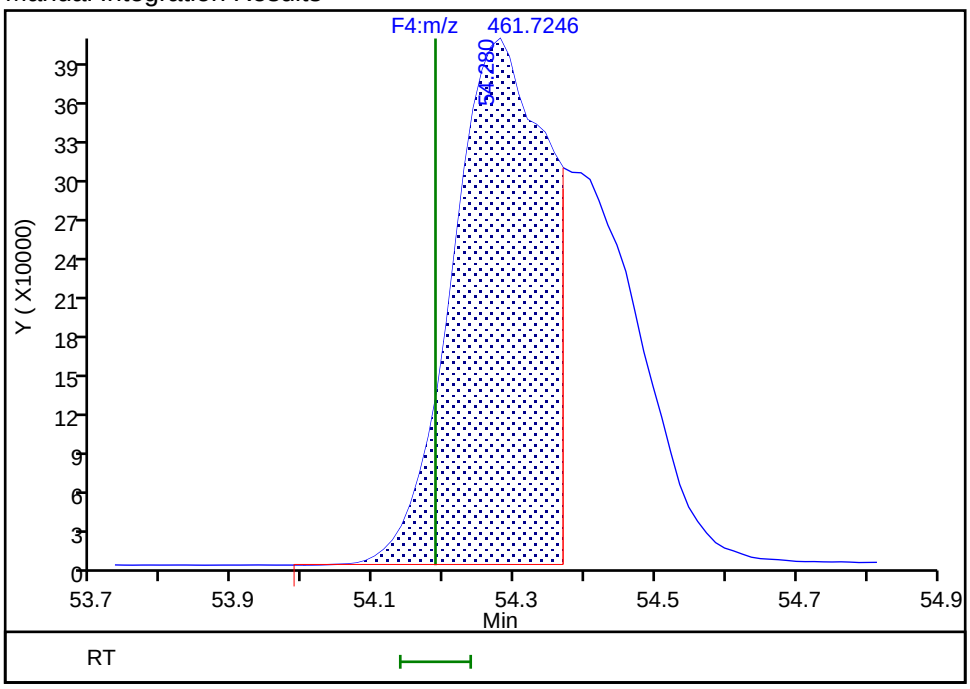
Processing Integration Results

RT: 54.28
Area: 6042703
Amount: 267.0343
Amount Units: pg/ul




Manual Integration Results

RT: 54.28
Area: 3798677
Amount: 174.4356
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 21:39:52

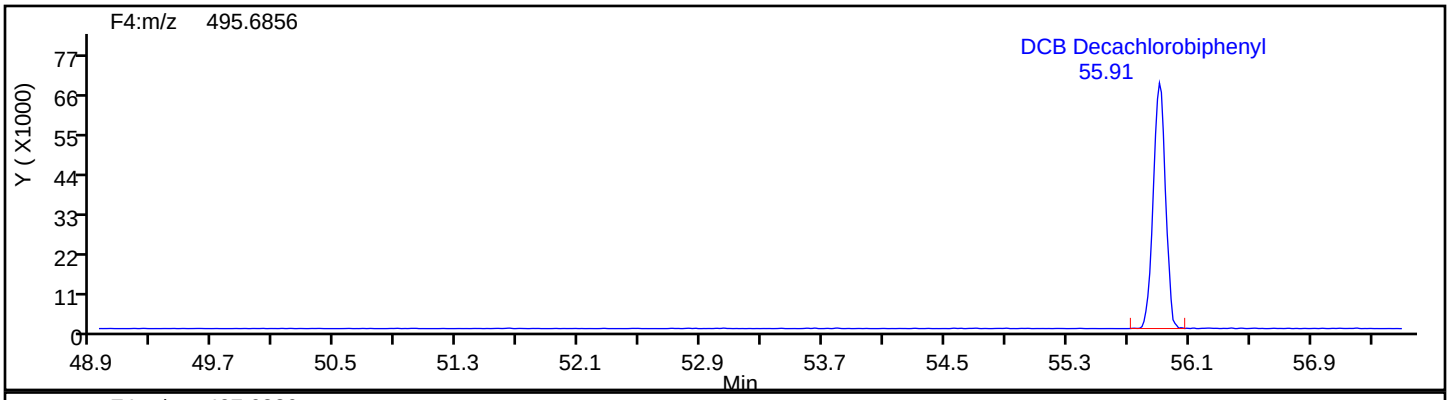
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

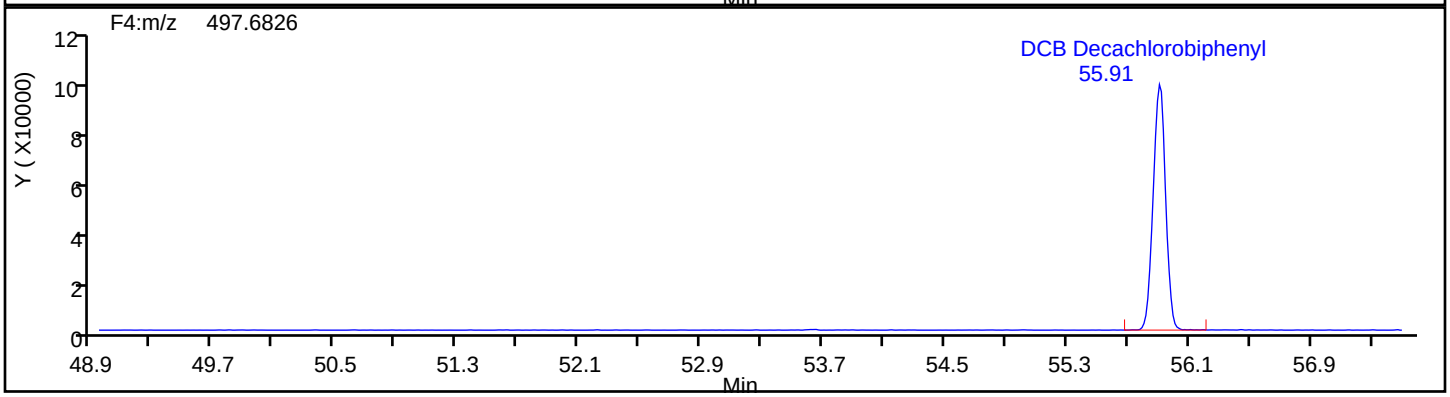
Report Date: 09-Oct-2019 21:41:54 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

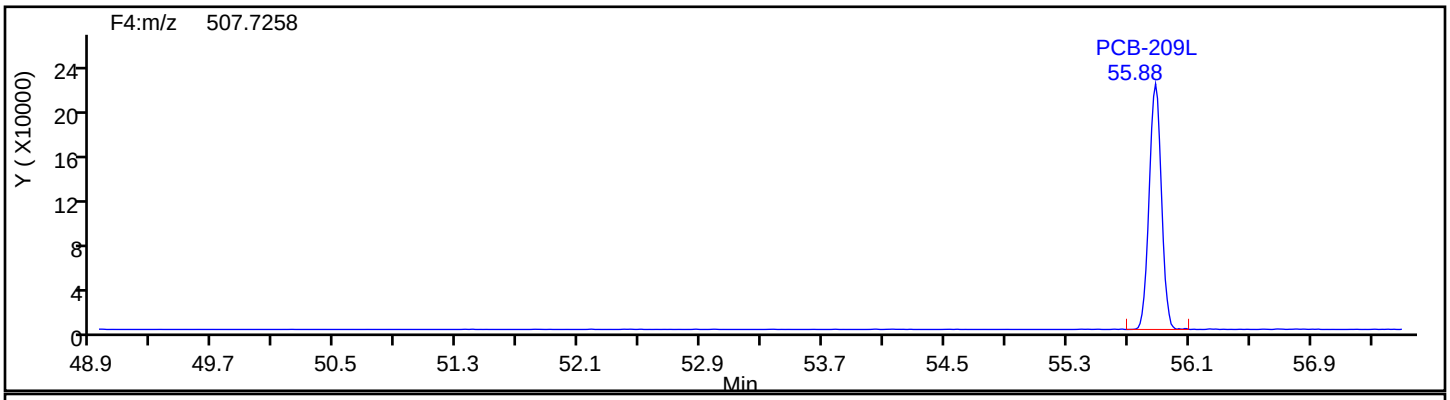
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

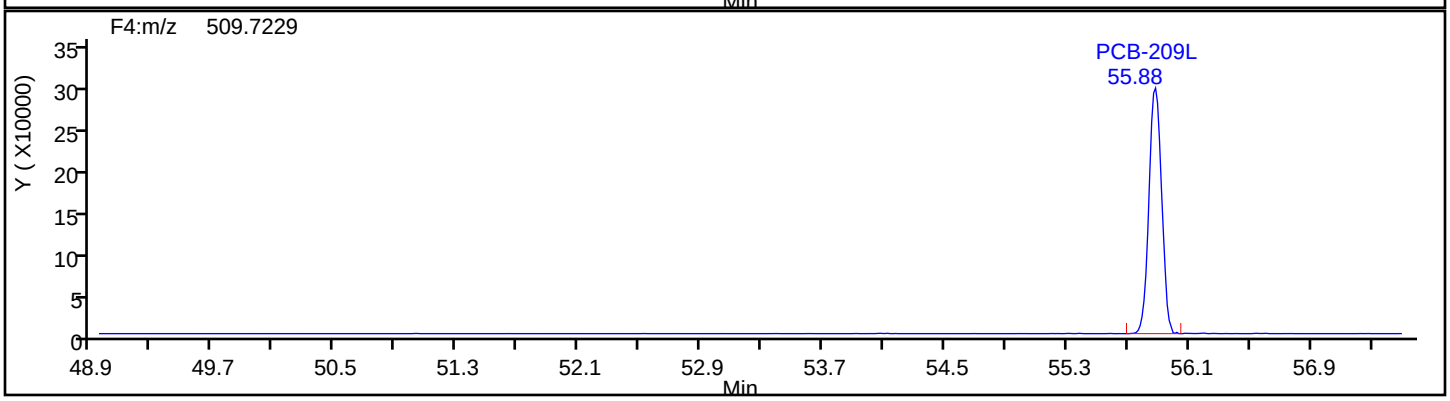
DePCB F4




DePCB F4 Standards

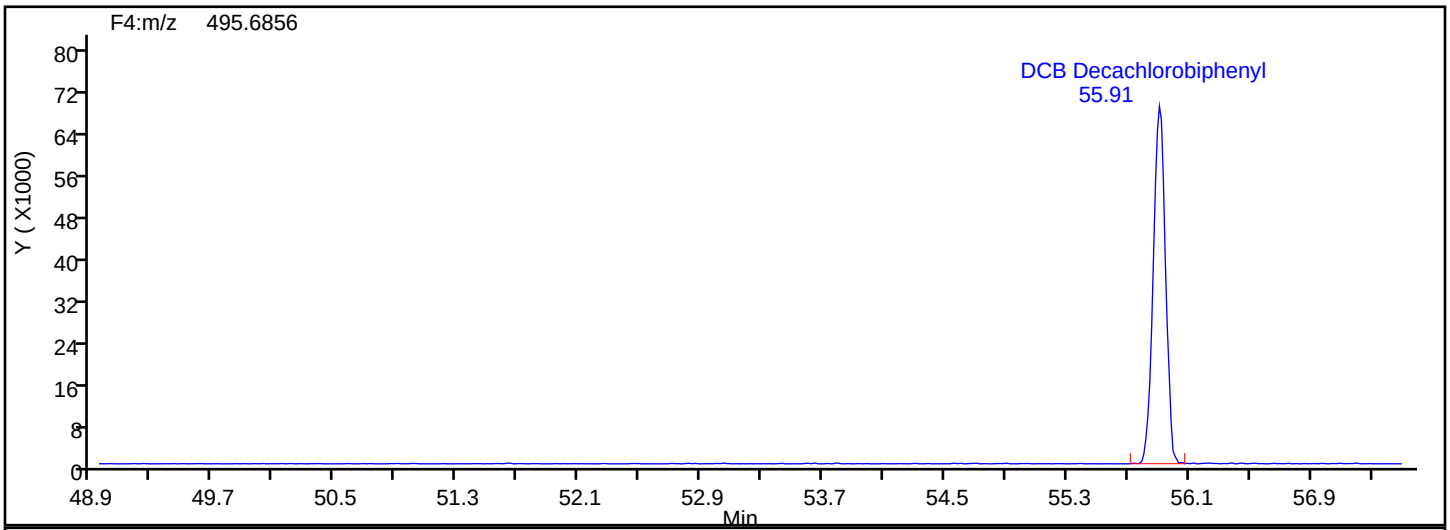


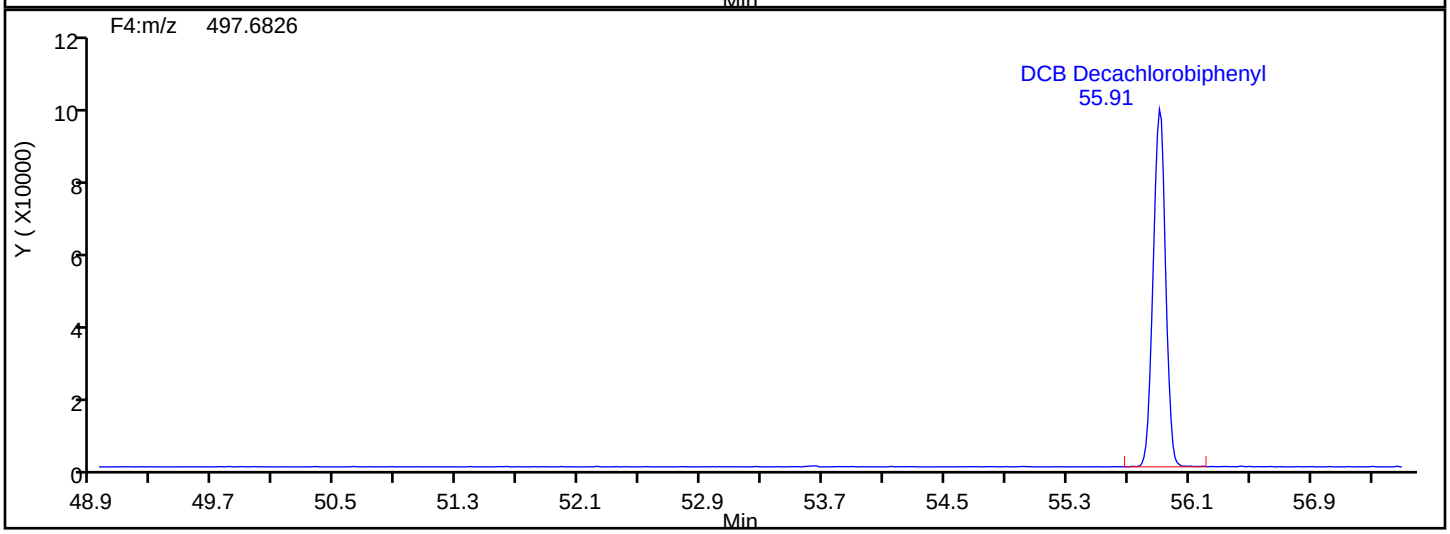



Eurofins TestAmerica, Knoxville

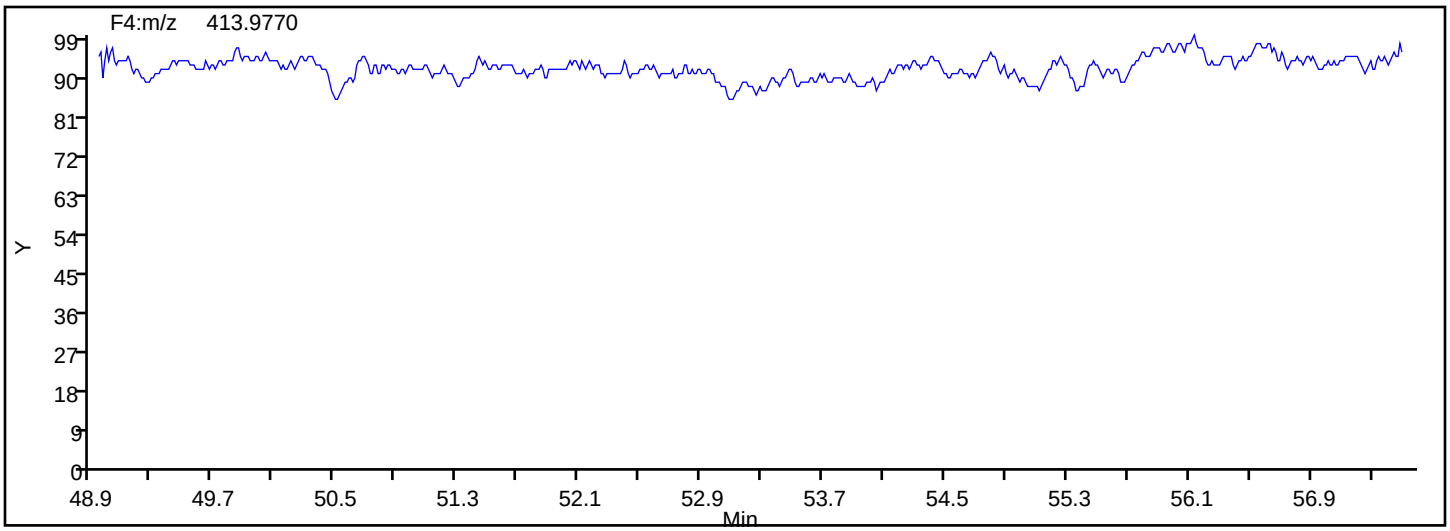
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\580-88908-a-36-f.d | | |
| Injection Date: | 09-Oct-2019 19:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34298 | Sample Line#: | 10 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 1.5 | | 0.25 | 0.012 |
| 2051-61-8 | PCB-2 | 0.097 | J q | 0.25 | 0.013 |
| 2051-62-9 | PCB-3 | 0.66 | | 0.25 | 0.014 |
| 13029-08-8 | PCB-4 | 0.87 | | 0.50 | 0.033 |
| 16605-91-7 | PCB-5 | ND | | 0.25 | 0.015 |
| 25569-80-6 | PCB-6 | 0.57 | | 0.25 | 0.015 |
| 33284-50-3 | PCB-7 | 0.17 | J | 0.25 | 0.015 |
| 34883-43-7 | PCB-8 | 1.9 | | 0.50 | 0.015 |
| 34883-39-1 | PCB-9 | 0.21 | J | 0.25 | 0.017 |
| 33146-45-1 | PCB-10 | 0.058 | J q | 0.25 | 0.016 |
| 2050-67-1 | PCB-11 | 0.18 | J B | 0.50 | 0.015 |
| 2974-92-7 | PCB-12 | 0.23 | J C | 0.50 | 0.015 |
| 2974-90-5 | PCB-13 | 0.23 | J C12 | 0.50 | 0.015 |
| 34883-41-5 | PCB-14 | ND | | 0.25 | 0.013 |
| 2050-68-2 | PCB-15 | 0.81 | | 0.25 | 0.012 |
| 38444-78-9 | PCB-16 | 0.96 | | 0.25 | 0.020 |
| 37680-66-3 | PCB-17 | 1.5 | | 0.25 | 0.015 |
| 37680-65-2 | PCB-18 | 2.2 | C | 0.50 | 0.013 |
| 38444-73-4 | PCB-19 | 0.24 | J q | 0.25 | 0.019 |
| 38444-84-7 | PCB-20 | 4.9 | C | 0.50 | 0.025 |
| 55702-46-0 | PCB-21 | 2.1 | C | 0.50 | 0.024 |
| 38444-85-8 | PCB-22 | 0.94 | | 0.25 | 0.026 |
| 55720-44-0 | PCB-23 | ND | | 0.25 | 0.026 |
| 55702-45-9 | PCB-24 | 0.044 | J | 0.25 | 0.012 |
| 55712-37-3 | PCB-25 | 0.57 | | 0.25 | 0.024 |
| 38444-81-4 | PCB-26 | 0.82 | C | 0.50 | 0.025 |
| 38444-76-7 | PCB-27 | 0.20 | J | 0.25 | 0.011 |
| 7012-37-5 | PCB-28 | 4.9 | C20 | 0.50 | 0.025 |
| 15862-07-4 | PCB-29 | 0.82 | C26 | 0.50 | 0.025 |
| 35693-92-6 | PCB-30 | 2.2 | C18 | 0.50 | 0.013 |
| 16606-02-3 | PCB-31 | 3.3 | | 0.50 | 0.024 |
| 38444-77-8 | PCB-32 | 1.1 | | 0.25 | 0.010 |
| 38444-86-9 | PCB-33 | 2.1 | C21 | 0.50 | 0.024 |
| 37680-68-5 | PCB-34 | 0.065 | J | 0.25 | 0.027 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.11 | J | 0.25 | 0.027 |
| 38444-87-0 | PCB-36 | ND | | 0.25 | 0.024 |
| 38444-90-5 | PCB-37 | 1.1 | | 0.25 | 0.025 |
| 53555-66-1 | PCB-38 | ND | | 0.25 | 0.025 |
| 38444-88-1 | PCB-39 | 0.16 | J | 0.25 | 0.023 |
| 38444-93-8 | PCB-40 | 5.7 | C | 0.75 | 0.026 |
| 52663-59-9 | PCB-41 | 5.7 | C40 | 0.75 | 0.026 |
| 36559-22-5 | PCB-42 | 3.8 | | 0.25 | 0.027 |
| 70362-46-8 | PCB-43 | ND | C | 0.50 | 0.024 |
| 41464-39-5 | PCB-44 | 24 | C B | 0.75 | 0.023 |
| 70362-45-7 | PCB-45 | 2.2 | C B | 0.50 | 0.027 |
| 41464-47-5 | PCB-46 | 0.53 | | 0.25 | 0.031 |
| 2437-79-8 | PCB-47 | 24 | C44 B | 0.75 | 0.023 |
| 70362-47-9 | PCB-48 | 1.1 | | 0.25 | 0.025 |
| 41464-40-8 | PCB-49 | 18 | C B | 0.50 | 0.021 |
| 62796-65-0 | PCB-50 | 2.4 | C | 0.50 | 0.025 |
| 68194-04-7 | PCB-51 | 2.2 | C45 B | 0.50 | 0.027 |
| 35693-99-3 | PCB-52 | 46 | B | 0.25 | 0.026 |
| 41464-41-9 | PCB-53 | 2.4 | C50 | 0.50 | 0.025 |
| 15968-05-5 | PCB-54 | 0.12 | J | 0.25 | 0.0037 |
| 74338-24-2 | PCB-55 | ND | | 0.25 | 0.018 |
| 41464-43-1 | PCB-56 | 4.2 | | 0.25 | 0.019 |
| 70424-67-8 | PCB-57 | ND | | 0.25 | 0.018 |
| 41464-49-7 | PCB-58 | 0.15 | J q | 0.25 | 0.018 |
| 74472-33-6 | PCB-59 | 0.91 | C | 0.75 | 0.017 |
| 33025-41-1 | PCB-60 | 0.81 | | 0.25 | 0.018 |
| 33284-53-6 | PCB-61 | 35 | C B | 1.0 | 0.017 |
| 54230-22-7 | PCB-62 | 0.91 | C59 | 0.75 | 0.017 |
| 74472-34-7 | PCB-63 | 0.57 | | 0.25 | 0.016 |
| 52663-58-8 | PCB-64 | 5.6 | | 0.25 | 0.017 |
| 33284-54-7 | PCB-65 | 24 | C44 B | 0.75 | 0.023 |
| 32598-10-0 | PCB-66 | 16 | | 0.25 | 0.019 |
| 73575-53-8 | PCB-67 | 0.24 | J q | 0.25 | 0.017 |
| 73575-52-7 | PCB-68 | 0.57 | | 0.25 | 0.016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 18 | C49 B | 0.50 | 0.021 |
| 32598-11-1 | PCB-70 | 35 | C61 B | 1.0 | 0.017 |
| 41464-46-4 | PCB-71 | 5.7 | C40 | 0.75 | 0.026 |
| 41464-42-0 | PCB-72 | 1.1 | | 0.25 | 0.018 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.50 | 0.024 |
| 32690-93-0 | PCB-74 | 35 | C61 B | 1.0 | 0.017 |
| 32598-12-2 | PCB-75 | 0.91 | C59 | 0.75 | 0.017 |
| 70362-48-0 | PCB-76 | 35 | C61 B | 1.0 | 0.017 |
| 32598-13-3 | PCB-77 | 1.3 | | 0.25 | 0.018 |
| 70362-49-1 | PCB-78 | ND | | 0.25 | 0.018 |
| 41464-48-6 | PCB-79 | 1.1 | | 0.25 | 0.015 |
| 33284-52-5 | PCB-80 | ND | | 0.25 | 0.016 |
| 70362-50-4 | PCB-81 | 1.2 | | 0.25 | 0.018 |
| 52663-62-4 | PCB-82 | 8.0 | | 0.25 | 0.015 |
| 60145-20-2 | PCB-83 | 50 | C | 0.50 | 0.014 |
| 52663-60-2 | PCB-84 | 22 | B | 0.25 | 0.015 |
| 65510-45-4 | PCB-85 | 11 | C B | 0.75 | 0.010 |
| 55312-69-1 | PCB-86 | 49 | C | 1.5 | 0.011 |
| 38380-02-8 | PCB-87 | 49 | C86 | 1.5 | 0.011 |
| 55215-17-3 | PCB-88 | 12 | C | 0.50 | 0.013 |
| 73575-57-2 | PCB-89 | 0.58 | | 0.25 | 0.014 |
| 68194-07-0 | PCB-90 | 86 | C B | 0.75 | 0.011 |
| 68194-05-8 | PCB-91 | 12 | C88 | 0.50 | 0.013 |
| 52663-61-3 | PCB-92 | 18 | | 0.25 | 0.013 |
| 73575-56-1 | PCB-93 | 1.5 | C | 0.50 | 0.013 |
| 73575-55-0 | PCB-94 | 0.39 | q | 0.25 | 0.014 |
| 38379-99-6 | PCB-95 | 69 | | 0.25 | 0.013 |
| 73575-54-9 | PCB-96 | 0.53 | | 0.25 | 0.010 |
| 41464-51-1 | PCB-97 | 49 | C86 | 1.5 | 0.011 |
| 60233-25-2 | PCB-98 | 2.9 | C | 0.50 | 0.013 |
| 38380-01-7 | PCB-99 | 50 | C83 | 0.50 | 0.014 |
| 39485-83-1 | PCB-100 | 1.5 | C93 | 0.50 | 0.013 |
| 37680-73-2 | PCB-101 | 86 | C90 B | 0.75 | 0.011 |
| 68194-06-9 | PCB-102 | 2.9 | C98 | 0.50 | 0.013 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 1.7 | | 0.25 | 0.012 |
| 56558-16-8 | PCB-104 | ND | | 0.25 | 0.0091 |
| 32598-14-4 | PCB-105 | 19 | | 0.25 | 0.057 |
| 70424-69-0 | PCB-106 | ND | | 0.25 | 0.056 |
| 70424-68-9 | PCB-107 | 5.1 | | 0.25 | 0.052 |
| 70362-41-3 | PCB-108 | 2.3 | C | 0.50 | 0.056 |
| 74472-35-8 | PCB-109 | 49 | C86 | 1.5 | 0.011 |
| 38380-03-9 | PCB-110 | 92 | C | 0.50 | 0.0094 |
| 39635-32-0 | PCB-111 | ND | | 0.25 | 0.0089 |
| 74472-36-9 | PCB-112 | ND | | 0.25 | 0.0093 |
| 68194-10-5 | PCB-113 | 86 | C90 B | 0.75 | 0.011 |
| 74472-37-0 | PCB-114 | 1.2 | | 0.25 | 0.050 |
| 74472-38-1 | PCB-115 | 92 | C110 | 0.50 | 0.0094 |
| 18259-05-7 | PCB-116 | 11 | C85 B | 0.75 | 0.010 |
| 68194-11-6 | PCB-117 | 11 | C85 B | 0.75 | 0.010 |
| 31508-00-6 | PCB-118 | 60 | B | 0.25 | 0.051 |
| 56558-17-9 | PCB-119 | 49 | C86 | 1.5 | 0.011 |
| 68194-12-7 | PCB-120 | 0.81 | | 0.25 | 0.0085 |
| 56558-18-0 | PCB-121 | ND | | 0.25 | 0.0091 |
| 76842-07-4 | PCB-122 | 0.77 | | 0.25 | 0.061 |
| 65510-44-3 | PCB-123 | 0.79 | | 0.25 | 0.054 |
| 70424-70-3 | PCB-124 | 2.3 | C108 | 0.50 | 0.056 |
| 74472-39-2 | PCB-125 | 49 | C86 | 1.5 | 0.011 |
| 57465-28-8 | PCB-126 | 0.067 | J | 0.25 | 0.054 |
| 39635-33-1 | PCB-127 | 0.16 | J | 0.25 | 0.055 |
| 38380-07-3 | PCB-128 | 12 | C B | 0.50 | 0.024 |
| 55215-18-4 | PCB-129 | 69 | C B | 1.0 | 0.025 |
| 52663-66-8 | PCB-130 | 5.3 | | 0.25 | 0.032 |
| 61798-70-7 | PCB-131 | 1.1 | | 0.25 | 0.031 |
| 38380-05-1 | PCB-132 | 25 | | 0.25 | 0.030 |
| 35694-04-3 | PCB-133 | 1.5 | | 0.25 | 0.029 |
| 52704-70-8 | PCB-134 | 4.6 | C | 0.50 | 0.031 |
| 52744-13-5 | PCB-135 | 24 | C B | 0.50 | 0.0080 |
| 38411-22-2 | PCB-136 | 11 | B | 0.25 | 0.0060 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *35694-06-5* | *PCB-137* | *3.4* | | *0.25* | *0.025* |
| *35065-28-2* | *PCB-138* | *69* | *C129 B* | *1.0* | *0.025* |
| *56030-56-9* | *PCB-139* | *1.7* | *C* | *0.50* | *0.027* |
| *59291-64-4* | *PCB-140* | *1.7* | *C139* | *0.50* | *0.027* |
| *52712-04-6* | *PCB-141* | *11* | | *0.25* | *0.028* |
| *41411-61-4* | *PCB-142* | *ND* | | *0.25* | *0.031* |
| *68194-15-0* | *PCB-143* | *4.6* | *C134* | *0.50* | *0.031* |
| *68194-14-9* | *PCB-144* | *2.9* | | *0.25* | *0.0076* |
| *74472-40-5* | *PCB-145* | *0.071* | *J q* | *0.25* | *0.0058* |
| *51908-16-8* | *PCB-146* | *13* | *B* | *0.25* | *0.026* |
| *68194-13-8* | *PCB-147* | *58* | *C B* | *0.50* | *0.027* |
| *74472-41-6* | *PCB-148* | *0.36* | | *0.25* | *0.0077* |
| *38380-04-0* | *PCB-149* | *58* | *C147 B* | *0.50* | *0.027* |
| *68194-08-1* | *PCB-150* | *0.36* | | *0.25* | *0.0056* |
| *52663-63-5* | *PCB-151* | *24* | *C135 B* | *0.50* | *0.0080* |
| *68194-09-2* | *PCB-152* | *0.089* | *J* | *0.25* | *0.0055* |
| *35065-27-1* | *PCB-153* | *55* | *C B* | *0.50* | *0.022* |
| *60145-22-4* | *PCB-154* | *2.3* | | *0.25* | *0.0068* |
| *33979-03-2* | *PCB-155* | *0.018* | *J* | *0.25* | *0.0053* |
| *38380-08-4* | *PCB-156* | *9.0* | *C* | *0.50* | *0.025* |
| *69782-90-7* | *PCB-157* | *9.0* | *C156* | *0.50* | *0.025* |
| *74472-42-7* | *PCB-158* | *6.9* | | *0.25* | *0.019* |
| *39635-35-3* | *PCB-159* | *0.53* | | *0.25* | *0.020* |
| *41411-62-5* | *PCB-160* | *69* | *C129 B* | *1.0* | *0.025* |
| *74472-43-8* | *PCB-161* | *ND* | | *0.25* | *0.020* |
| *39635-34-2* | *PCB-162* | *0.27* | | *0.25* | *0.020* |
| *74472-44-9* | *PCB-163* | *69* | *C129 B* | *1.0* | *0.025* |
| *74472-45-0* | *PCB-164* | *5.1* | | *0.25* | *0.021* |
| *74472-46-1* | *PCB-165* | *ND* | | *0.25* | *0.024* |
| *41411-63-6* | *PCB-166* | *12* | *C128 B* | *0.50* | *0.024* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-72-6 | PCB-167 | 2.8 | | 0.25 | 0.017 |
| 59291-65-5 | PCB-168 | 55 | C153 B | 0.50 | 0.022 |
| 32774-16-6 | PCB-169 | 0.073 | J | 0.25 | 0.018 |
| 35065-30-6 | PCB-170 | 13 | B | 0.25 | 0.0063 |
| 52663-71-5 | PCB-171 | 4.7 | C | 0.50 | 0.0063 |
| 52663-74-8 | PCB-172 | 2.4 | | 0.25 | 0.0061 |
| 68194-16-1 | PCB-173 | 4.7 | C171 | 0.50 | 0.0063 |
| 38411-25-5 | PCB-174 | 14 | B | 0.25 | 0.0063 |
| 40186-70-7 | PCB-175 | 0.62 | | 0.25 | 0.0056 |
| 52663-65-7 | PCB-176 | 1.7 | | 0.25 | 0.0040 |
| 52663-70-4 | PCB-177 | 8.6 | B | 0.25 | 0.0064 |
| 52663-67-9 | PCB-178 | 3.0 | | 0.25 | 0.0059 |
| 52663-64-6 | PCB-179 | 5.8 | | 0.25 | 0.0043 |
| 35065-29-3 | PCB-180 | 27 | C B | 0.50 | 0.0049 |
| 74472-47-2 | PCB-181 | 0.18 | J q | 0.25 | 0.0054 |
| 60145-23-5 | PCB-182 | 0.18 | J | 0.25 | 0.0052 |
| 52663-69-1 | PCB-183 | 8.7 | C B | 0.50 | 0.0053 |
| 74472-48-3 | PCB-184 | ND | | 0.25 | 0.0042 |
| 52712-05-7 | PCB-185 | 8.7 | C183 B | 0.50 | 0.0053 |
| 74472-49-4 | PCB-186 | ND | | 0.25 | 0.0042 |
| 52663-68-0 | PCB-187 | 16 | B | 0.25 | 0.0054 |
| 74487-85-7 | PCB-188 | 0.067 | J | 0.25 | 0.0038 |
| 39635-31-9 | PCB-189 | 0.51 | | 0.25 | 0.0096 |
| 41411-64-7 | PCB-190 | 2.6 | B | 0.25 | 0.0044 |
| 74472-50-7 | PCB-191 | 0.61 | | 0.25 | 0.0043 |
| 74472-51-8 | PCB-192 | ND | | 0.25 | 0.0047 |
| 69782-91-8 | PCB-193 | 27 | C180 B | 0.50 | 0.0049 |
| 35694-08-7 | PCB-194 | 5.2 | | 0.25 | 0.047 |
| 52663-78-2 | PCB-195 | 2.3 | | 0.25 | 0.056 |
| 42740-50-1 | PCB-196 | 2.8 | | 0.25 | 0.013 |
| 33091-17-7 | PCB-197 | 0.15 | J q | 0.25 | 0.0094 |
| 68194-17-2 | PCB-198 | 6.0 | C B | 0.50 | 0.014 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| *52663-75-9* | *PCB-199* | *6.0* | *C198 B* | *0.50* | *0.014* |
| *52663-73-7* | *PCB-200* | *0.79* | | *0.25* | *0.010* |
| *40186-71-8* | *PCB-201* | *0.75* | | *0.25* | *0.0095* |
| *2136-99-4* | *PCB-202* | *1.2* | | *0.25* | *0.011* |
| *52663-76-0* | *PCB-203* | *3.6* | | *0.25* | *0.012* |
| *74472-52-9* | *PCB-204* | *ND* | | *0.25* | *0.010* |
| *74472-53-0* | *PCB-205* | *0.25* | *q* | *0.25* | *0.035* |
| *40186-72-9* | *PCB-206* | *2.9* | *q* | *0.25* | *0.041* |
| *52663-79-3* | *PCB-207* | *0.28* | | *0.25* | *0.030* |
| *52663-77-1* | *PCB-208* | *0.63* | | *0.25* | *0.032* |
| *2051-24-3* | *PCB-209* | *1.6* | | *0.25* | *0.0060* |
| *27323-18-8* | *Total Monochlorobiphenyls* | *2.3* | *q* | *0.25* | *0.013* |
| *25512-42-9* | *Total Dichlorobiphenyls* | *5.0* | *q B* | *0.50* | *0.016* |
| *25323-68-6* | *Total Trichlorobiphenyls* | *20* | *q* | *0.50* | *0.021* |
| *26914-33-0* | *Total Tetrachlorobiphenyls* | *170* | *q B* | *1.0* | *0.020* |
| *25429-29-2* | *Total Pentachlorobiphenyls* | *510* | *q B* | *1.5* | *0.026* |
| *26601-64-9* | *Total Hexachlorobiphenyls* | *330* | *q B* | *1.0* | *0.020* |
| *28655-71-2* | *Total Heptachlorobiphenyls* | *110* | *q B* | *0.50* | *0.0054* |
| *55722-26-4* | *Total Octachlorobiphenyls* | *23* | *q B* | *0.50* | *0.021* |
| *53742-07-7* | *Total Nonachlorobiphenyls* | *3.8* | *q* | *0.25* | *0.034* |
| *1336-36-3* | *Polychlorinated biphenyls, Total* | *1200* | *q B* | *1.5* | *0.019* |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: J5-SC1b-10to20-82719  Lab Sample ID: 580-88908-36

Matrix: Solid  Lab File ID: 580-88908-a-36-c_191004060131.

Analysis Method: 1668A  Date Collected: 08/27/2019 14:50

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 4.07(g)  Date Analyzed: 10/04/2019 06:01

Con. Extract Vol.: 10(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture: 50.7  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34168  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 58 | | 30-140 |
| 208263-77-8 | PCB-3L | 62 | | 30-140 |
| 234432-86-1 | PCB-4L | 73 | | 30-140 |
| 208263-67-6 | PCB-15L | 82 | | 30-140 |
| 234432-87-2 | PCB-19L | 71 | | 30-140 |
| 208263-79-0 | PCB-37L | 89 | | 30-140 |
| 234432-88-3 | PCB-54L | 74 | | 30-140 |
| 105600-23-5 | PCB-77L | 88 | | 30-140 |
| 208461-24-9 | PCB-81L | 85 | | 30-140 |
| 234432-89-4 | PCB-104L | 83 | | 30-140 |
| 208263-62-1 | PCB-105L | 79 | | 30-140 |
| 208263-63-2 | PCB-114L | 79 | | 30-140 |
| 104130-40-7 | PCB-118L | 82 | | 30-140 |
| 208263-64-3 | PCB-123L | 80 | | 30-140 |
| 208263-65-4 | PCB-126L | 88 | | 30-140 |
| 234432-90-7 | PCB-155L | 96 | | 30-140 |
| 208263-68-7 | PCB-156L | 84 | *C* | 30-140 |
| 235416-30-5 | PCB-157L | 84 | *C156* | 30-140 |
| 208263-69-8 | PCB-167L | 82 | | 30-140 |
| 208263-70-1 | PCB-169L | 96 | | 30-140 |
| 160901-80-4 | PCB-170L | 77 | | 30-140 |
| 234432-91-8 | PCB-188L | 77 | | 30-140 |
| 208263-73-4 | PCB-189L | 83 | | 30-140 |
| 105600-26-8 | PCB-202L | 89 | | 30-140 |
| 234446-64-1 | PCB-205L | 77 | | 30-140 |
| 208263-75-6 | PCB-206L | 76 | | 30-140 |
| 234432-92-9 | PCB-208L | 82 | | 30-140 |
| 105600-27-9 | PCB-209L | 75 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 79 | | 40-125 |
| 235416-29-2 | PCB-111L | 91 | | 40-125 |
| 232919-67-4 | PCB-178L | 87 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d
Lims ID: 580-88908-A-36-C
Client ID: J5-SC1b-10to20-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 06:01:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:14:27 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: layk Date: 04-Oct-2019 11:29:42

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 9.401 | 9.255 | 0.0541 | 0.0541 | | RQ |
| D PCB-1L | 12:00 | 462332 | 3.00 | 1.3140 | 11.6 | 11.6 | 0.4227 | 0.4227 | 58.00 | M |
| D PCB-3L | 14:04 | 515413 | 3.23 | 1.3615 | 12.5 | 12.5 | 0.4080 | 0.4080 | 62.40 | M |
| PCB-1 | 12:01 | 170805 | 2.95 | 1.1883 | 6.218 | 6.218 | 0.0501 | 0.0501 | | |
| PCB-2 | 13:55 | 11382 | 3.13 | 1.1911 | 0.5371 | 0.3909 | 0.0542 | 0.0542 | | RQ |
| PCB-3 | 14:05 | 82702 | 3.08 | 1.2130 | 2.646 | 2.646 | 0.0581 | 0.0581 | | |
| S Total Dichlorobiphenyls | | | | | 20.3 | 20.3 | 0.0661 | 0.0661 | | RQ |
| D PCB-4L | 14:18 | 263798 | 1.66 | 0.5996 | 14.5 | 14.5 | 0.3699 | 0.3699 | 72.53 | |
| * PCB-9L | 16:14 | 606638 | 1.68 | 4E+04 | 20.0 | 20.0 | | | | |
| D PCB-15L | 20:04 | 512328 | 1.70 | 1.0280 | 16.4 | 16.4 | 0.2157 | 0.2157 | 82.15 | M |
| PCB-4 | 14:20 | 57740 | 1.67 | 1.2533 | 3.493 | 3.493 | 0.1335 | 0.1335 | | |
| PCB-10 | 14:30 | 6738 | 1.56 | 1.4828 | 0.2800 | 0.2342 | 0.0649 | 0.0649 | | RQ |
| PCB-9 | 16:14 | 23709 | 1.45 | 1.4200 | 0.8605 | 0.8605 | 0.0678 | 0.0678 | | |
| PCB-7 | 16:24 | 21007 | 1.59 | 1.6244 | 0.6665 | 0.6665 | 0.0593 | 0.0593 | | |
| PCB-6 | 16:38 | 69112 | 1.63 | 1.5539 | 2.292 | 2.292 | 0.0620 | 0.0620 | | |
| PCB-5 | 16:49 | | | | | | 0.0617 | 0.0617 | | |
| PCB-8 | 17:03 | 241063 | 1.55 | 1.5884 | 7.822 | 7.822 | 0.0606 | 0.0606 | | a |
| PCB-14 | 18:33 | | | | | | 0.0514 | 0.0514 | | |
| PCB-11 | 19:28 | 23220 | 1.42 | 1.6347 | 0.7321 | 0.7321 | 0.0589 | 0.0589 | | |
| PCB-12 | 19:45 | 29485 | 1.43 | 1.6410 | 0.9260 | 0.9260 | 0.0587 | 0.0587 | | M |
| PCB-13 (C12) | 19:45 | 29485 | 1.43 | 1.6410 | 0.9260 | 0.9260 | 0.0587 | 0.0587 | | M |
| PCB-15 | 20:04 | 116385 | 1.64 | 1.4024 | 3.240 | 3.240 | 0.0482 | 0.0482 | | |
| S Total Trichlorobiphenyl | | | | | 81.6 | 81.5 | 0.0849 | 0.0849 | | RQ |
| D PCB-19L | 17:20 | 192316 | 1.09 | 0.6095 | 14.1 | 14.1 | 0.5523 | 0.5523 | 70.61 | |
| * PCB-32L | 20:31 | 446899 | 1.14 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:46 | 917118 | 1.08 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:03 | 799289 | 1.08 | 1.0975 | 15.9 | 15.9 | 0.1620 | 0.1620 | 79.41 | |
| D PCB-37L | 27:02 | 734961 | 1.05 | 0.9024 | 17.8 | 17.8 | 0.1971 | 0.1971 | 88.80 | |
| PCB-19 | 17:21 | 12286 | 1.04 | 1.3047 | 1.069 | 0.9793 | 0.0745 | 0.0745 | | RQ |
| PCB-18 | 19:10 | 156215 | 1.03 | 1.8188 | 8.932 | 8.932 | 0.0534 | 0.0534 | | |
| PCB-30 (C18) | 19:10 | 156215 | 1.03 | 1.8188 | 8.932 | 8.932 | 0.0534 | 0.0534 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:35 | 88161 | 1.02 | 1.5641 | 5.862 | 5.862 | 0.0621 | 0.0621 | | |
| PCB-27 | 19:48 | 16971 | 1.04 | 2.1680 | 0.8141 | 0.8141 | 0.0448 | 0.0448 | | |
| PCB-24 | 19:56 | 3557 | 0.98 | 2.1018 | 0.1760 | 0.1760 | 0.0462 | 0.0462 | | Ma |
| PCB-16 | 20:02 | 45586 | 0.96 | 1.2260 | 3.867 | 3.867 | 0.0793 | 0.0793 | | M |
| PCB-32 | 20:33 | 98600 | 1.08 | 2.3416 | 4.379 | 4.379 | 0.0415 | 0.0415 | | |
| PCB-34 | 21:48 | 11618 | 1.02 | 1.2154 | 0.2601 | 0.2601 | 0.1072 | 0.1072 | | |
| PCB-23 | 21:53 | | | | | | 0.1028 | 0.1028 | | |
| PCB-26 | 22:14 | 159522 | 1.06 | 1.3193 | 3.290 | 3.290 | 0.0988 | 0.0988 | | |
| PCB-29 (C26) | 22:14 | 159522 | 1.06 | 1.3193 | 3.290 | 3.290 | 0.0988 | 0.0988 | | |
| PCB-25 | 22:28 | 113345 | 1.02 | 1.3523 | 2.281 | 2.281 | 0.0964 | 0.0964 | | a |
| PCB-31 | 22:47 | 681526 | 1.07 | 1.3809 | 13.4 | 13.4 | 0.0944 | 0.0944 | | a |
| PCB-20 | 23:05 | 937434 | 1.06 | 1.3057 | 19.5 | 19.5 | 0.0998 | 0.0998 | | |
| PCB-28 (C20) | 23:05 | 937434 | 1.06 | 1.3057 | 19.5 | 19.5 | 0.0998 | 0.0998 | | |
| PCB-21 | 23:19 | 416887 | 1.06 | 1.3777 | 8.235 | 8.235 | 0.0946 | 0.0946 | | |
| PCB-33 (C21) | 23:19 | 416887 | 1.06 | 1.3777 | 8.235 | 8.235 | 0.0946 | 0.0946 | | |
| PCB-22 | 23:42 | 172720 | 1.04 | 1.2430 | 3.781 | 3.781 | 0.1049 | 0.1049 | | a |
| PCB-36 | 25:13 | | | | | | 0.0968 | 0.0968 | | |
| PCB-39 | 25:37 | 32691 | 1.00 | 1.3970 | 0.6368 | 0.6368 | 0.0933 | 0.0933 | | |
| PCB-38 | 26:10 | | | | | | 0.0989 | 0.0989 | | |
| PCB-35 | 26:39 | 20313 | 0.96 | 1.2166 | 0.4543 | 0.4543 | 0.1071 | 0.1071 | | |
| PCB-37 | 27:03 | 217623 | 1.04 | 1.2879 | 4.598 | 4.598 | 0.1012 | 0.1012 | | |
| S Total Tetrachlorobiphen | | | | | 695.8 | 695.5 | 0.0793 | 0.0793 | | RQ |
| D PCB-54L | 20:22 | 215556 | 0.78 | 0.6515 | 14.8 | 14.8 | 0.1304 | 0.1304 | 74.04 | |
| * PCB-52L | 24:52 | 548287 | 0.80 | 3.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-81L | 33:46 | 576944 | 0.82 | 1.2328 | 17.1 | 17.1 | 0.0525 | 0.0525 | 85.35 | |
| D PCB-77L | 34:20 | 602118 | 0.79 | 1.2523 | 17.5 | 17.5 | 0.0517 | 0.0517 | 87.70 | |
| PCB-54 | 20:22 | 6615 | 0.77 | 1.2558 | 0.4887 | 0.4887 | 0.0147 | 0.0147 | | |
| PCB-50 | 22:30 | 268154 | 0.77 | 0.9362 | 9.718 | 9.718 | 0.1016 | 0.1016 | | |
| PCB-53 (C50) | 22:30 | 268154 | 0.77 | 0.9362 | 9.718 | 9.718 | 0.1016 | 0.1016 | | |
| PCB-45 | 23:15 | 229997 | 0.78 | 0.8850 | 8.816 | 8.816 | 0.1075 | 0.1075 | | M |
| PCB-51 (C45) | 23:15 | 229997 | 0.78 | 0.8850 | 8.816 | 8.816 | 0.1075 | 0.1075 | | M |
| PCB-46 | 23:28 | 47225 | 0.76 | 0.7591 | 2.111 | 2.111 | 0.1253 | 0.1253 | | |
| PCB-52 | 24:54 | 4901424 | 0.78 | 0.8992 | 184.9 | 184.9 | 0.1058 | 0.1058 | | |
| PCB-43 | 25:00 | | | | | | 0.0952 | 0.0952 | | |
| PCB-73 (C43) | 25:00 | | | | | | 0.0952 | 0.0952 | | |
| PCB-49 | 25:23 | 2436514 | 0.78 | 1.1366 | 72.7 | 72.7 | 0.0837 | 0.0837 | | |
| PCB-69 (C49) | 25:23 | 2436514 | 0.78 | 1.1366 | 72.7 | 72.7 | 0.0837 | 0.0837 | | |
| PCB-48 | 25:40 | 122013 | 0.75 | 0.9454 | 4.378 | 4.378 | 0.1006 | 0.1006 | | |
| PCB-44 | 25:53 | 2893178 | 0.79 | 1.0323 | 95.1 | 95.1 | 0.0921 | 0.0921 | | |
| PCB-47 (C44) | 25:53 | 2893178 | 0.79 | 1.0323 | 95.1 | 95.1 | 0.0921 | 0.0921 | | |
| PCB-65 (C44) | 25:53 | 2893178 | 0.79 | 1.0323 | 95.1 | 95.1 | 0.0921 | 0.0921 | | |
| PCB-59 | 26:15 | 146393 | 0.68 | 1.3609 | 3.649 | 3.649 | 0.0699 | 0.0699 | | |
| PCB-62 (C59) | 26:15 | 146393 | 0.68 | 1.3609 | 3.649 | 3.649 | 0.0699 | 0.0699 | | |
| PCB-75 (C59) | 26:15 | 146393 | 0.68 | 1.3609 | 3.649 | 3.649 | 0.0699 | 0.0699 | | |
| PCB-42 | 26:24 | 388102 | 0.78 | 0.8670 | 15.2 | 15.2 | 0.1097 | 0.1097 | | |
| PCB-40 | 26:54 | 619304 | 0.79 | 0.9179 | 22.9 | 22.9 | 0.1036 | 0.1036 | | |
| PCB-41 (C40) | 26:54 | 619304 | 0.79 | 0.9179 | 22.9 | 22.9 | 0.1036 | 0.1036 | | |
| PCB-71 (C40) | 26:54 | 619304 | 0.79 | 0.9179 | 22.9 | 22.9 | 0.1036 | 0.1036 | | |
| PCB-64 | 27:07 | 942502 | 0.77 | 1.4164 | 22.6 | 22.6 | 0.0672 | 0.0672 | | |
| PCB-72 | 27:57 | 164344 | 0.83 | 1.3157 | 4.237 | 4.237 | 0.0723 | 0.0723 | | |
| PCB-68 | 28:14 | 100280 | 0.82 | 1.4782 | 2.301 | 2.301 | 0.0643 | 0.0643 | | |
| PCB-57 | 28:38 | | | | | | 0.0742 | 0.0742 | | |
| PCB-58 | 28:53 | 24064 | 0.77 | 1.3214 | 0.7166 | 0.6178 | 0.0720 | 0.0720 | | RQMa |
| PCB-67 | 29:04 | 38812 | 0.77 | 1.3944 | 1.130 | 0.9443 | 0.0682 | 0.0682 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:20 | 99628 | 0.84 | 1.4685 | 2.302 | 2.302 | 0.0648 | 0.0648 | | |
| PCB-61 | 29:39 | 5671473 | 0.80 | 1.3565 | 141.8 | 141.8 | 0.0701 | 0.0701 | | |
| PCB-70 (C61) | 29:39 | 5671473 | 0.80 | 1.3565 | 141.8 | 141.8 | 0.0701 | 0.0701 | | |
| PCB-74 (C61) | 29:39 | 5671473 | 0.80 | 1.3565 | 141.8 | 141.8 | 0.0701 | 0.0701 | | |
| PCB-76 (C61) | 29:39 | 5671473 | 0.80 | 1.3565 | 141.8 | 141.8 | 0.0701 | 0.0701 | | |
| PCB-66 | 29:59 | 2496639 | 0.80 | 1.2800 | 66.2 | 66.2 | 0.0743 | 0.0743 | | M |
| PCB-55 | 30:08 | | | | | | 0.0734 | 0.0734 | | |
| PCB-56 | 30:39 | 633639 | 0.79 | 1.2671 | 17.0 | 17.0 | 0.0751 | 0.0751 | | |
| PCB-60 | 30:51 | 127719 | 0.81 | 1.3288 | 3.261 | 3.261 | 0.0716 | 0.0716 | | |
| PCB-80 | 31:16 | | | | | | 0.0647 | 0.0647 | | |
| PCB-79 | 32:48 | 194185 | 0.82 | 1.5421 | 4.272 | 4.272 | 0.0617 | 0.0617 | | |
| PCB-78 | 33:20 | | | | | | 0.0723 | 0.0723 | | |
| PCB-81 | 33:42 | 176406 | 0.77 | 1.3214 | 4.628 | 4.628 | 0.0713 | 0.0713 | | a |
| PCB-77 | 34:21 | 216177 | 0.79 | 1.3308 | 5.396 | 5.396 | 0.0721 | 0.0721 | | |
| S Total Pentachlorobiphen | | | | | 2069.8 | 2069.4 | 0.1027 | 0.1027 | | RQ |
| D PCB-104L | 25:49 | 393465 | 1.59 | 1.1164 | 16.6 | 16.6 | 0.0511 | 0.0511 | 83.15 | |
| * PCB-101L | 31:42 | 423879 | 1.48 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:23 | 468756 | 1.59 | 1.2177 | 18.2 | 18.2 | 0.0469 | 0.0469 | 90.82 | |
| D PCB-123L | 36:20 | 560949 | 1.56 | 0.9909 | 15.9 | 15.9 | 0.2821 | 0.2821 | 79.69 | |
| D PCB-118L | 36:40 | 595127 | 1.51 | 1.0256 | 16.3 | 16.3 | 0.2726 | 0.2726 | 81.69 | |
| D PCB-114L | 37:11 | 563091 | 1.63 | 1.0030 | 15.8 | 15.8 | 0.2787 | 0.2787 | 79.04 | |
| D PCB-105L | 37:50 | 561911 | 1.53 | 1.0013 | 15.8 | 15.8 | 0.2792 | 0.2792 | 79.01 | |
| * PCB-127L | 39:19 | 710315 | 1.55 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:55 | 560853 | 1.59 | 0.9020 | 17.5 | 17.5 | 0.3099 | 0.3099 | 87.54 | |
| PCB-104 | 25:49 | | | | | | 0.0366 | 0.0366 | | |
| PCB-96 | 26:12 | 51468 | 1.52 | 1.2268 | 2.132 | 2.132 | 0.0416 | 0.0416 | | |
| PCB-103 | 28:08 | 137739 | 1.61 | 1.0331 | 6.777 | 6.777 | 0.0494 | 0.0494 | | |
| PCB-94 | 28:21 | 27820 | 1.55 | 0.9036 | 2.000 | 1.565 | 0.0564 | 0.0564 | | RQM |
| PCB-95 | 28:48 | 5224536 | 1.60 | 0.9620 | 276.0 | 276.0 | 0.0530 | 0.0530 | | |
| PCB-93 | 29:01 | 115305 | 1.61 | 0.9806 | 5.977 | 5.977 | 0.0520 | 0.0520 | | |
| PCB-100 (C93) | 29:01 | 115305 | 1.61 | 0.9806 | 5.977 | 5.977 | 0.0520 | 0.0520 | | |
| PCB-98 | 29:09 | 228468 | 1.65 | 0.9888 | 11.7 | 11.7 | 0.0516 | 0.0516 | | |
| PCB-102 (C98) | 29:09 | 228468 | 1.65 | 0.9888 | 11.7 | 11.7 | 0.0516 | 0.0516 | | |
| PCB-88 | 29:39 | 979723 | 1.61 | 1.0052 | 49.5 | 49.5 | 0.0507 | 0.0507 | | |
| PCB-91 (C88) | 29:39 | 979723 | 1.61 | 1.0052 | 49.5 | 49.5 | 0.0507 | 0.0507 | | |
| PCB-84 | 29:52 | 1508496 | 1.59 | 0.8601 | 89.1 | 89.1 | 0.0593 | 0.0593 | | |
| PCB-89 | 30:22 | 41221 | 1.62 | 0.8936 | 2.345 | 2.345 | 0.0571 | 0.0571 | | |
| PCB-121 | 30:45 | | | | | | 0.0365 | 0.0365 | | |
| PCB-92 | 31:08 | 1372394 | 1.57 | 0.9532 | 73.2 | 73.2 | 0.0535 | 0.0535 | | |
| PCB-90 | 31:43 | 7713760 | 1.59 | 1.1367 | 344.9 | 344.9 | 0.0449 | 0.0449 | | |
| PCB-101 (C90) | 31:43 | 7713760 | 1.59 | 1.1367 | 344.9 | 344.9 | 0.0449 | 0.0449 | | |
| PCB-113 (C90) | 31:43 | 7713760 | 1.59 | 1.1367 | 344.9 | 344.9 | 0.0449 | 0.0449 | | |
| PCB-83 | 32:18 | 3693360 | 1.71 | 0.9393 | 199.9 | 199.9 | 0.0543 | 0.0543 | | M |
| PCB-99 (C83) | 32:18 | 3693360 | 1.71 | 0.9393 | 199.9 | 199.9 | 0.0543 | 0.0543 | | M |
| PCB-112 | 32:25 | | | | | | 0.0373 | 0.0373 | | |
| PCB-86 | 32:54 | 4638628 | 1.58 | 1.1958 | 197.2 | 197.2 | 0.0427 | 0.0427 | | M |
| PCB-87 (C86) | 32:54 | 4638628 | 1.58 | 1.1958 | 197.2 | 197.2 | 0.0427 | 0.0427 | | M |
| PCB-97 (C86) | 32:54 | 4638628 | 1.58 | 1.1958 | 197.2 | 197.2 | 0.0427 | 0.0427 | | M |
| PCB-109 (C86) | 32:54 | 4638628 | 1.58 | 1.1958 | 197.2 | 197.2 | 0.0427 | 0.0427 | | M |
| PCB-119 (C86) | 32:54 | 4638628 | 1.58 | 1.1958 | 197.2 | 197.2 | 0.0427 | 0.0427 | | M |
| PCB-125 (C86) | 32:54 | 4638628 | 1.58 | 1.1958 | 197.2 | 197.2 | 0.0427 | 0.0427 | | M |
| PCB-85 | 33:32 | 1037764 | 1.63 | 1.2126 | 43.5 | 43.5 | 0.0421 | 0.0421 | | |
| PCB-116 (C85) | 33:32 | 1037764 | 1.63 | 1.2126 | 43.5 | 43.5 | 0.0421 | 0.0421 | | |
| PCB-117 (C85) | 33:32 | 1037764 | 1.63 | 1.2126 | 43.5 | 43.5 | 0.0421 | 0.0421 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:41 | 9769456 | 1.56 | 1.3511 | 367.5 | 367.5 | 0.0378 | 0.0378 | | |
| PCB-115 (C110) | 33:41 | 9769456 | 1.56 | 1.3511 | 367.5 | 367.5 | 0.0378 | 0.0378 | | |
| PCB-82 | 34:00 | 551241 | 1.59 | 0.8675 | 32.3 | 32.3 | 0.0588 | 0.0588 | | |
| PCB-111 | 34:24 | | | | | | 0.0358 | 0.0358 | | |
| PCB-120 | 34:52 | 95804 | 1.53 | 1.4907 | 3.267 | 3.267 | 0.0342 | 0.0342 | | |
| PCB-108 | 36:00 | 328169 | 1.58 | 1.2547 | 9.204 | 9.204 | 0.2269 | 0.2269 | | |
| PCB-124 (C108) | 36:00 | 328169 | 1.58 | 1.2547 | 9.204 | 9.204 | 0.2269 | 0.2269 | | |
| PCB-107 | 36:15 | 796434 | 1.56 | 1.3580 | 20.6 | 20.6 | 0.2097 | 0.2097 | | M |
| PCB-123 | 36:22 | 119285 | 1.71 | 1.3407 | 3.172 | 3.172 | 0.2172 | 0.2172 | | Ma |
| PCB-106 | 36:28 | | | | | | 0.2233 | 0.2233 | | |
| PCB-118 | 36:41 | 9305478 | 1.57 | 1.2892 | 242.6 | 242.6 | 0.2033 | 0.2033 | | |
| PCB-122 | 37:02 | 102721 | 1.71 | 1.1614 | 3.112 | 3.112 | 0.2452 | 0.2452 | | |
| PCB-114 | 37:13 | 195346 | 1.76 | 1.4051 | 4.938 | 4.938 | 0.2013 | 0.2013 | | |
| PCB-105 | 37:52 | 2817011 | 1.58 | 1.2887 | 77.8 | 77.8 | 0.2308 | 0.2308 | | |
| PCB-127 | 39:24 | 23651 | 1.72 | 1.2841 | 0.6481 | 0.6481 | 0.2217 | 0.2217 | | Ma |
| PCB-126 | 40:57 | 10118 | 1.73 | 1.3416 | 0.2689 | 0.2689 | 0.2182 | 0.2182 | | |
| S Total Hexachlorobipheny | | | | | 1309.7 | 1309.7 | 0.0792 | 0.0792 | | RQ |
| D PCB-155L | 31:29 | 385215 | 1.22 | 0.9499 | 19.1 | 19.1 | 0.0467 | 0.0467 | 95.67 | |
| * PCB-138L | 39:47 | 522562 | 1.26 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:48 | 540375 | 1.25 | 1.2544 | 16.5 | 16.5 | 0.0860 | 0.0860 | 82.43 | |
| D PCB-156L | 43:57 | 1081034 | 1.26 | 1.2289 | 33.7 | 33.7 | 0.0878 | 0.0878 | 84.17 | |
| D PCB-157L (C156L) | 43:57 | 1081034 | 1.26 | 1.2289 | 33.7 | 33.7 | 0.0878 | 0.0878 | 84.17 | |
| D PCB-169L | 47:11 | 547612 | 1.35 | 1.0883 | 19.3 | 19.3 | 0.0992 | 0.0992 | 96.29 | |
| PCB-155 | 31:31 | 1819 | 1.06 | 1.3028 | 0.0725 | 0.0725 | 0.0214 | 0.0214 | | M |
| PCB-152 | 31:41 | 8610 | 1.29 | 1.2556 | 0.3560 | 0.3560 | 0.0222 | 0.0222 | | |
| PCB-150 | 31:52 | 34019 | 1.18 | 1.2368 | 1.428 | 1.428 | 0.0225 | 0.0225 | | |
| PCB-136 | 32:12 | 970125 | 1.27 | 1.1563 | 43.6 | 43.6 | 0.0241 | 0.0241 | | |
| PCB-145 | 32:30 | 6572 | 1.24 | 1.1910 | 0.3282 | 0.2865 | 0.0234 | 0.0234 | | RQ |
| PCB-148 | 34:02 | 24796 | 1.24 | 0.8982 | 1.433 | 1.433 | 0.0310 | 0.0310 | | |
| PCB-135 | 34:37 | 1644800 | 1.26 | 0.8691 | 98.3 | 98.3 | 0.0321 | 0.0321 | | |
| PCB-151 (C135) | 34:37 | 1644800 | 1.26 | 0.8691 | 98.3 | 98.3 | 0.0321 | 0.0321 | | |
| PCB-154 | 34:53 | 182580 | 1.34 | 1.0180 | 9.312 | 9.312 | 0.0274 | 0.0274 | | |
| PCB-144 | 35:11 | 209451 | 1.29 | 0.9185 | 11.8 | 11.8 | 0.0304 | 0.0304 | | |
| PCB-147 | 35:33 | 6120219 | 1.28 | 0.9747 | 231.6 | 231.6 | 0.1097 | 0.1097 | | M |
| PCB-149 (C147) | 35:33 | 6120219 | 1.28 | 0.9747 | 231.6 | 231.6 | 0.1097 | 0.1097 | | M |
| PCB-134 | 35:45 | 427590 | 1.24 | 0.8518 | 18.5 | 18.5 | 0.1255 | 0.1255 | | |
| PCB-143 (C134) | 35:45 | 427590 | 1.24 | 0.8518 | 18.5 | 18.5 | 0.1255 | 0.1255 | | |
| PCB-139 | 36:09 | 179779 | 1.24 | 0.9995 | 6.634 | 6.634 | 0.1070 | 0.1070 | | |
| PCB-140 (C139) | 36:09 | 179779 | 1.24 | 0.9995 | 6.634 | 6.634 | 0.1070 | 0.1070 | | |
| PCB-131 | 36:21 | 103884 | 1.23 | 0.8584 | 4.464 | 4.464 | 0.1246 | 0.1246 | | |
| PCB-142 | 36:29 | | | | | | 0.1244 | 0.1244 | | |
| PCB-132 | 36:48 | 2423914 | 1.24 | 0.8801 | 101.6 | 101.6 | 0.1215 | 0.1215 | | |
| PCB-133 | 37:19 | 152114 | 1.23 | 0.9064 | 6.190 | 6.190 | 0.1180 | 0.1180 | | |
| PCB-165 | 37:42 | | | | | | 0.0954 | 0.0954 | | |
| PCB-146 | 37:57 | 1457523 | 1.27 | 1.0084 | 53.3 | 53.3 | 0.1060 | 0.1060 | | M |
| PCB-161 | 38:05 | | | | | | 0.0800 | 0.0800 | | RQMUa |
| PCB-153 | 38:34 | 7248116 | 1.26 | 1.2207 | 219.0 | 219.0 | 0.0876 | 0.0876 | | |
| PCB-168 (C153) | 38:34 | 7248116 | 1.26 | 1.2207 | 219.0 | 219.0 | 0.0876 | 0.0876 | | |
| PCB-141 | 38:46 | 1111106 | 1.25 | 0.9608 | 42.7 | 42.7 | 0.1113 | 0.1113 | | |
| PCB-130 | 39:10 | 477390 | 1.24 | 0.8274 | 21.3 | 21.3 | 0.1292 | 0.1292 | | |
| PCB-137 | 39:24 | 394802 | 1.25 | 1.0582 | 13.8 | 13.8 | 0.1010 | 0.1010 | | |
| PCB-164 | 39:31 | 689263 | 1.25 | 1.2527 | 20.3 | 20.3 | 0.0854 | 0.0854 | | |
| PCB-129 | 39:49 | 8178379 | 1.26 | 1.0840 | 278.3 | 278.3 | 0.0986 | 0.0986 | | |
| PCB-138 (C129) | 39:49 | 8178379 | 1.26 | 1.0840 | 278.3 | 278.3 | 0.0986 | 0.0986 | | |
| PCB-160 (C129) | 39:49 | 8178379 | 1.26 | 1.0840 | 278.3 | 278.3 | 0.0986 | 0.0986 | | |
| PCB-163 (C129) | 39:49 | 8178379 | 1.26 | 1.0840 | 278.3 | 278.3 | 0.0986 | 0.0986 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:12 | 1043901 | 1.26 | 1.3862 | 27.8 | 27.8 | 0.0771 | 0.0771 | | |
| PCB-128 | 41:04 | 1422403 | 1.27 | 1.1165 | 47.0 | 47.0 | 0.0958 | 0.0958 | | |
| PCB-166 (C128) | 41:04 | 1422403 | 1.27 | 1.1165 | 47.0 | 47.0 | 0.0958 | 0.0958 | | |
| PCB-159 | 42:02 | 76175 | 1.21 | 1.3178 | 2.132 | 2.132 | 0.0811 | 0.0811 | | |
| PCB-162 | 42:21 | 39820 | 1.15 | 1.3623 | 1.078 | 1.078 | 0.0785 | 0.0785 | | |
| PCB-167 | 42:49 | 402543 | 1.26 | 1.3357 | 11.2 | 11.2 | 0.0675 | 0.0675 | | |
| PCB-156 | 43:57 | 1245803 | 1.25 | 1.2759 | 36.1 | 36.1 | 0.1003 | 0.1003 | | |
| PCB-157 (C156) | 43:57 | 1245803 | 1.25 | 1.2759 | 36.1 | 36.1 | 0.1003 | 0.1003 | | |
| PCB-169 | 47:10 | 10360 | 1.29 | 1.2825 | 0.2950 | 0.2950 | 0.0729 | 0.0729 | | M |
| S Total Heptachlorobiphen | | | | | 441.5 | 441.4 | 0.0215 | 0.0215 | | RQ |
| D PCB-188L | 37:12 | 465756 | 1.06 | 1.3162 | 15.5 | 15.5 | 0.0508 | 0.0508 | 77.31 | |
| $ PCB-178L | 40:15 | 368007 | 1.04 | 0.9222 | 17.4 | 17.4 | 0.0724 | 0.0724 | 87.18 | |
| * PCB-180L | 45:21 | 457737 | 0.99 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:35 | 295271 | 1.12 | 0.8357 | 15.4 | 15.4 | 0.0799 | 0.0799 | 77.19 | |
| D PCB-189L | 49:43 | 620303 | 1.13 | 1.4666 | 16.6 | 16.6 | 0.4707 | 0.4707 | 82.80 | |
| PCB-188 | 37:14 | 7862 | 1.11 | 1.2502 | 0.2700 | 0.2700 | 0.0154 | 0.0154 | | M |
| PCB-179 | 37:33 | 628075 | 1.05 | 1.4149 | 23.3 | 23.3 | 0.0171 | 0.0171 | | |
| PCB-184 | 38:05 | | | | | | 0.0170 | 0.0170 | | |
| PCB-176 | 38:26 | 201623 | 1.10 | 1.5212 | 6.967 | 6.967 | 0.0159 | 0.0159 | | |
| PCB-186 | 38:53 | | | | | | 0.0168 | 0.0168 | | |
| PCB-178 | 40:17 | 231840 | 1.03 | 1.0228 | 11.9 | 11.9 | 0.0236 | 0.0236 | | |
| PCB-175 | 40:55 | 50697 | 1.06 | 1.0690 | 2.493 | 2.493 | 0.0226 | 0.0226 | | a |
| PCB-187 | 41:11 | 1389940 | 1.06 | 1.1106 | 65.8 | 65.8 | 0.0217 | 0.0217 | | |
| PCB-182 | 41:24 | 16081 | 1.03 | 1.1484 | 0.7360 | 0.7360 | 0.0210 | 0.0210 | | |
| PCB-183 | 41:47 | 757800 | 1.04 | 1.1368 | 35.0 | 35.0 | 0.0212 | 0.0212 | | |
| PCB-185 (C183) | 41:47 | 757800 | 1.04 | 1.1368 | 35.0 | 35.0 | 0.0212 | 0.0212 | | |
| PCB-174 | 42:01 | 1002990 | 1.02 | 0.9547 | 55.2 | 55.2 | 0.0253 | 0.0253 | | |
| PCB-177 | 42:28 | 618975 | 1.05 | 0.9426 | 34.5 | 34.5 | 0.0256 | 0.0256 | | |
| PCB-181 | 42:51 | 15199 | 1.05 | 1.1075 | 0.7924 | 0.7213 | 0.0218 | 0.0218 | | RQ |
| PCB-171 | 43:06 | 342664 | 1.06 | 0.9603 | 18.8 | 18.8 | 0.0252 | 0.0252 | | |
| PCB-173 (C171) | 43:06 | 342664 | 1.06 | 0.9603 | 18.8 | 18.8 | 0.0252 | 0.0252 | | |
| PCB-172 | 44:43 | 179331 | 1.02 | 0.9918 | 9.504 | 9.504 | 0.0244 | 0.0244 | | |
| PCB-192 | 44:59 | | | | | | 0.0187 | 0.0187 | | |
| PCB-180 | 45:22 | 2522449 | 1.06 | 1.2286 | 107.9 | 107.9 | 0.0197 | 0.0197 | | a |
| PCB-193 (C180) | 45:22 | 2522449 | 1.06 | 1.2286 | 107.9 | 107.9 | 0.0197 | 0.0197 | | a |
| PCB-191 | 45:43 | 65028 | 1.04 | 1.3848 | 2.468 | 2.468 | 0.0174 | 0.0174 | | |
| PCB-170 | 46:37 | 998033 | 1.07 | 1.2700 | 53.2 | 53.2 | 0.0254 | 0.0254 | | |
| PCB-190 | 47:09 | 274814 | 1.05 | 1.3774 | 10.5 | 10.5 | 0.0175 | 0.0175 | | |
| PCB-189 | 49:44 | 81118 | 1.10 | 1.2799 | 2.044 | 2.044 | 0.0387 | 0.0387 | | M |
| S Total Octachlorobipheny | | | | | 92.9 | 92.6 | 0.0829 | 0.0829 | | RQ |
| D PCB-202L | 42:34 | 408296 | 0.90 | 1.0055 | 17.7 | 17.7 | 0.1644 | 0.1644 | 88.71 | |
| * PCB-194L | 51:50 | 510827 | 0.88 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:18 | 509333 | 0.96 | 1.2867 | 15.5 | 15.5 | 0.1866 | 0.1866 | 77.49 | |
| PCB-202 | 42:36 | 101138 | 0.92 | 1.0531 | 4.705 | 4.705 | 0.0430 | 0.0430 | | |
| PCB-201 | 43:31 | 72775 | 0.84 | 1.1860 | 3.006 | 3.006 | 0.0382 | 0.0382 | | |
| PCB-204 | 44:12 | | | | | | 0.0411 | 0.0411 | | |
| PCB-197 | 44:25 | 14914 | 0.89 | 1.2053 | 0.7726 | 0.6061 | 0.0376 | 0.0376 | | RQ |
| PCB-200 | 44:31 | 72790 | 0.98 | 1.1260 | 3.166 | 3.166 | 0.0402 | 0.0402 | | |
| PCB-198 | 47:21 | 403304 | 0.91 | 0.8183 | 24.1 | 24.1 | 0.0553 | 0.0553 | | |
| PCB-199 (C198) | 47:21 | 403304 | 0.91 | 0.8183 | 24.1 | 24.1 | 0.0553 | 0.0553 | | |
| PCB-196 | 48:00 | 200995 | 0.93 | 0.8748 | 11.3 | 11.3 | 0.0518 | 0.0518 | | |
| PCB-203 | 48:11 | 274157 | 0.90 | 0.9219 | 14.6 | 14.6 | 0.0491 | 0.0491 | | |
| PCB-195 | 49:30 | 184717 | 0.90 | 0.7839 | 9.253 | 9.253 | 0.2241 | 0.2241 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:51 | 494668 | 0.88 | 0.9282 | 20.9 | 20.9 | 0.1892 | 0.1892 | | |
| PCB-205 | 52:19 | 30943 | 0.89 | 1.2342 | 1.059 | 0.9845 | 0.1423 | 0.1423 | | RQ |
| S Total Nonachlorobipheny | | | | | 19.2 | 15.4 | 0.1372 | 0.1372 | | RQ |
| D PCB-208L | 49:15 | 473893 | 0.77 | 1.1383 | 16.3 | 16.3 | 0.2866 | 0.2866 | 81.50 | |
| D PCB-206L | 54:04 | 347649 | 0.76 | 0.8938 | 15.2 | 15.2 | 0.3649 | 0.3649 | 76.14 | |
| PCB-208 | 49:17 | 69891 | 0.74 | 1.1567 | 2.550 | 2.550 | 0.1267 | 0.1267 | | |
| PCB-207 | 50:13 | 31852 | 0.85 | 1.3964 | 1.111 | 1.111 | 0.1203 | 0.1203 | | |
| PCB-206 | 54:03 | 243858 | 0.77 | 1.1927 | 15.5 | 11.8 | 0.1647 | 0.1647 | | RQMa |
| D PCB-209L | 55:42 | 376821 | 0.69 | 0.9809 | 15.0 | 15.0 | 0.1213 | 0.1213 | 75.21 | |
| DCB Decachlorobiphenyl | 55:43 | 146230 | 0.71 | 1.2455 | 6.231 | 6.231 | 0.0242 | 0.0242 | | |
| S Polychlorinated bipheny | | | | | 4736.9 | 6.231 | 0.0753 | 0.0753 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d
Lims ID: 580-88908-A-36-C
Client ID: J5-SC1b-10to20-82719
Sample Type: Client
Inject. Date: 04-Oct-2019 06:01:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013295-012
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 14:14:27 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1014

First Level Reviewer: layk Date: 04-Oct-2019 11:29:42

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | M |
| 200.0795 | 12:00 | 11:57 | 16 | 0.740 | 346891 | 99588 | 242 | 605 | 412 | | |
| 202.0766 | 12:00 | 11:57 | 16 | 0.740 | 115441 | 31383 | 1428 | 3570 | 22 | 3.00(2.66-3.60) | M |
| PCB-3L | | | | | | | | | | | M |
| 200.0795 | 14:04 | 14:02 | 10 | 0.867 | 393494 | 82790 | 242 | 605 | 342 | | |
| 202.0766 | 14:04 | 14:02 | 10 | 0.867 | 121919 | 27868 | 1428 | 3570 | 20 | 3.23(2.66-3.60) | M |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 12:01 | 12:00 | 18 | 1.001 | 127559 | 37936 | 89 | 222 | 426 | | |
| 190.0363 | 12:01 | 12:00 | 18 | 1.001 | 43246 | 12346 | 67 | 167 | 184 | 2.95(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | RQ |
| 188.0393 | 13:55 | 13:54 | 13 | 0.989 | 12880 | 2643 | 89 | 222 | 30 | | |
| | Empc Correction | | | | 8626 | 2497 | 89 | 222 | 28 | | |
| 190.0363 | 13:55 | 13:54 | 13 | 0.989 | 2756 | 798 | 67 | 167 | 12 | 4.67(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:05 | 14:01 | 12 | 1.001 | 62413 | 13240 | 89 | 222 | 149 | | |
| 190.0363 | 14:05 | 14:01 | 12 | 1.001 | 20289 | 4529 | 67 | 167 | 68 | 3.08(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:18 | 14:17 | 9 | 0.881 | 164716 | 31899 | 524 | 1310 | 61 | | |
| 236.0376 | 14:18 | 14:17 | 9 | 0.881 | 99082 | 21513 | 143 | 357 | 150 | 1.66(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:14 | 16:05 | 9 | | 380390 | 93063 | 524 | 1310 | 178 | | |
| 236.0376 | 16:14 | 16:05 | 9 | | 226248 | 57257 | 143 | 357 | 400 | 1.68(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | M |
| 234.0406 | 20:04 | 20:02 | 3 | 1.236 | 322891 | 83397 | 524 | 1310 | 159 | | M |
| 236.0376 | 20:04 | 20:02 | 3 | 1.236 | 189437 | 48852 | 143 | 357 | 342 | 1.70(1.33-1.79) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:20 | 14:14 | 12 | 1.002 | 36112 | 7381 | 122 | 305 | 61 | | |
| 223.9974 | 14:19 | 14:14 | 11 | 1.001 | 21628 | 4346 | 57 | 142 | 76 | 1.67(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | RQ |
| 222.0003 | 14:30 | 14:27 | 11 | 1.014 | 4106 | 912 | 122 | 305 | 7 | | |
| 223.9974 | 14:30 | 14:27 | 11 | 1.014 | 3949 | 651 | 57 | 142 | 11 | 1.04(1.33-1.79) | |
| | Empc Correction | | | | 2632 | 584 | 57 | 142 | 10 | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:14 | 16:15 | 9 | 1.135 | 14026 | 3816 | 122 | 305 | 31 | | |
| 223.9974 | 16:14 | 16:15 | 9 | 1.135 | 9683 | 2247 | 57 | 142 | 39 | 1.45(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:24 | 16:25 | 8 | 1.146 | 12898 | 3222 | 122 | 305 | 26 | | |
| 223.9974 | 16:24 | 16:25 | 8 | 1.146 | 8109 | 2136 | 57 | 142 | 37 | 1.59(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:38 | 16:40 | 8 | 1.163 | 42861 | 10816 | 122 | 305 | 89 | | |
| 223.9974 | 16:38 | 16:40 | 8 | 1.163 | 26251 | 6500 | 57 | 142 | 114 | 1.63(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | | | | | | 122 | 305 | | | |
| 223.9974 | 16:56 | | | | | | 57 | 142 | | | |
| PCB-8 | | | | | | | | | | | a |
| 222.0003 | 17:03 | 17:02 | 7 | 1.192 | 146588 | 39487 | 122 | 305 | 324 | | a |
| 223.9974 | 17:03 | 17:02 | 7 | 1.192 | 94475 | 23400 | 57 | 142 | 411 | 1.55(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:35 | | | | | | 122 | 305 | | | |
| 223.9974 | 18:35 | | | | | | 57 | 142 | | | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:28 | 19:29 | 5 | 0.971 | 13632 | 2271 | 122 | 305 | 19 | | |
| 223.9974 | 19:28 | 19:29 | 5 | 0.971 | 9588 | 1519 | 57 | 142 | 27 | 1.42(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | M |
| 222.0003 | 19:45 | 19:45 | 3 | 0.984 | 17330 | 3353 | 122 | 305 | 27 | | M |
| 223.9974 | 19:45 | 19:45 | 3 | 0.984 | 12155 | 2132 | 57 | 142 | 37 | 1.43(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | M |
| 222.0003 | 19:45 | 19:45 | 3 | 0.984 | 17330 | 3353 | 122 | 305 | 27 | | M |
| 223.9974 | 19:45 | 19:45 | 3 | 0.984 | 12155 | 2132 | 57 | 142 | 37 | 1.43(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:04 | 20:01 | 4 | 1.001 | 72228 | 16742 | 122 | 305 | 137 | | |
| 223.9974 | 20:04 | 20:01 | 4 | 1.001 | 44157 | 10329 | 57 | 142 | 181 | 1.64(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:20 | 17:18 | 5 | 0.844 | 100181 | 28801 | 415 | 1037 | 69 | | |
| 269.9986 | 17:20 | 17:18 | 5 | 0.844 | 92135 | 23060 | 330 | 825 | 70 | 1.09(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:28 | 3 | | 238454 | 59476 | 415 | 1037 | 143 | | |
| 269.9986 | 20:31 | 20:28 | 3 | | 208445 | 51154 | 330 | 825 | 155 | 1.14(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:46 | 22:43 | 3 | | 476306 | 113930 | 488 | 1220 | 233 | | |
| 269.9986 | 22:46 | 22:43 | 3 | | 440812 | 106492 | 296 | 740 | 360 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:03 | 23:03 | 3 | 1.013 | 414657 | 102799 | 488 | 1220 | 211 | | |
| 269.9986 | 23:03 | 23:03 | 3 | 1.013 | 384632 | 94924 | 296 | 740 | 321 | 1.08(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:02 | 27:06 | 0 | 1.188 | 376864 | 81949 | 488 | 1220 | 168 | | |
| 269.9986 | 27:01 | 27:06 | -1 | 1.187 | 358097 | 79478 | 296 | 740 | 269 | 1.05(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | RQ |
| 255.9613 | 17:21 | 17:17 | 7 | 1.002 | 7383 | 2019 | 36 | 90 | 56 | | |
| | Empc Correction | | | | 6263 | 1726 | 36 | 90 | 48 | | |
| 257.9584 | 17:20 | 17:17 | 7 | 1.001 | 6023 | 1660 | 65 | 162 | 26 | 1.23(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:04 | 6 | 1.106 | 79327 | 20624 | 36 | 90 | 573 | | |
| 257.9584 | 19:10 | 19:04 | 6 | 1.106 | 76888 | 19955 | 65 | 162 | 307 | 1.03(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:10 | 19:04 | 6 | 1.106 | 79327 | 20624 | 36 | 90 | 573 | | |
| 257.9584 | 19:10 | 19:04 | 6 | 1.106 | 76888 | 19955 | 65 | 162 | 307 | 1.03(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:35 | 19:30 | 5 | 1.131 | 44417 | 12017 | 36 | 90 | 334 | | |
| 257.9584 | 19:35 | 19:30 | 4 | 1.130 | 43744 | 11003 | 65 | 162 | 169 | 1.02(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | 19:47 | 4 | 1.143 | 8642 | 2367 | 36 | 90 | 66 | | |
| 257.9584 | 19:48 | 19:47 | 4 | 1.143 | 8329 | 2034 | 65 | 162 | 31 | 1.04(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | Ma |
| 255.9613 | 19:56 | 19:56 | 6 | 1.151 | 1761 | 482 | 36 | 90 | 13 | | M |
| 257.9584 | 19:58 | 19:56 | 7 | 1.153 | 1796 | 598 | 65 | 162 | 9 | 0.98(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | M |
| 255.9613 | 20:02 | 20:02 | 4 | 1.156 | 22274 | 5732 | 36 | 90 | 159 | | M |
| 257.9584 | 20:02 | 20:02 | 4 | 1.156 | 23312 | 5808 | 65 | 162 | 89 | 0.96(0.88-1.20) | M |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:33 | 20:29 | 3 | 1.186 | 51118 | 13406 | 36 | 90 | 372 | | |
| 257.9584 | 20:33 | 20:29 | 3 | 1.186 | 47482 | 11507 | 65 | 162 | 177 | 1.08(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:48 | 21:47 | 4 | 1.258 | 5854 | 1394 | 238 | 595 | 6 | | |
| 257.9584 | 21:48 | 21:47 | 4 | 1.258 | 5764 | 1469 | 183 | 457 | 8 | 1.02(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:59 | | | | | | 238 | 595 | | | |
| 257.9584 | 21:59 | | | | | | 183 | 457 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:14 | 22:12 | 2 | 1.284 | 82172 | 20771 | 238 | 595 | 87 | | |
| 257.9584 | 22:14 | 22:12 | 2 | 1.284 | 77350 | 18736 | 183 | 457 | 102 | 1.06(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:14 | 22:12 | 2 | 1.284 | 82172 | 20771 | 238 | 595 | 87 | | |
| 257.9584 | 22:14 | 22:12 | 2 | 1.284 | 77350 | 18736 | 183 | 457 | 102 | 1.06(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | a |
| 255.9613 | 22:28 | 22:28 | 3 | 0.831 | 57141 | 13214 | 238 | 595 | 56 | | a |
| 257.9584 | 22:28 | 22:28 | 3 | 0.831 | 56204 | 12236 | 183 | 457 | 67 | 1.02(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | a |
| 255.9613 | 22:47 | 22:47 | 3 | 0.843 | 351962 | 85340 | 238 | 595 | 359 | | a |
| 257.9584 | 22:47 | 22:47 | 3 | 0.843 | 329564 | 80802 | 183 | 457 | 442 | 1.07(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:03 | 2 | 0.854 | 483273 | 116751 | 238 | 595 | 491 | | |
| 257.9584 | 23:05 | 23:03 | 2 | 0.854 | 454161 | 108142 | 183 | 457 | 591 | 1.06(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:03 | 2 | 0.854 | 483273 | 116751 | 238 | 595 | 491 | | |
| 257.9584 | 23:05 | 23:03 | 2 | 0.854 | 454161 | 108142 | 183 | 457 | 591 | 1.06(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:19 | 23:14 | 3 | 0.862 | 214096 | 49925 | 238 | 595 | 210 | | |
| 257.9584 | 23:19 | 23:14 | 3 | 0.862 | 202791 | 46675 | 183 | 457 | 255 | 1.06(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:19 | 23:14 | 3 | 0.862 | 214096 | 49925 | 238 | 595 | 210 | | |
| 257.9584 | 23:19 | 23:14 | 3 | 0.862 | 202791 | 46675 | 183 | 457 | 255 | 1.06(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | a |
| 255.9613 | 23:42 | 23:42 | 3 | 0.877 | 88126 | 21222 | 238 | 595 | 89 | | a |
| 257.9584 | 23:42 | 23:42 | 3 | 0.877 | 84594 | 20100 | 183 | 457 | 110 | 1.04(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:13 | | | | | | 238 | 595 | | | |
| 257.9584 | 25:13 | | | | | | 183 | 457 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:37 | 25:37 | 2 | 0.947 | 16366 | 3435 | 238 | 595 | 14 | | |
| 257.9584 | 25:37 | 25:37 | 2 | 0.947 | 16325 | 3159 | 183 | 457 | 17 | 1.00(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:10 | | | | | | 238 | 595 | | | |
| 257.9584 | 26:10 | | | | | | 183 | 457 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:39 | 26:36 | 1 | 0.985 | 9957 | 2522 | 238 | 595 | 11 | | |
| 257.9584 | 26:39 | 26:36 | 1 | 0.985 | 10356 | 2033 | 183 | 457 | 11 | 0.96(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:03 | 27:03 | 1 | 1.000 | 111060 | 23380 | 238 | 595 | 98 | | |
| 257.9584 | 27:03 | 27:03 | 1 | 1.000 | 106563 | 21721 | 183 | 457 | 119 | 1.04(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:21 | 3 | 0.818 | 94218 | 23134 | 135 | 337 | 171 | | |
| 303.9597 | 20:21 | 20:21 | 2 | 0.818 | 121338 | 30895 | 53 | 132 | 583 | 0.78(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:52 | 24:50 | 2 | | 244404 | 57120 | 109 | 272 | 524 | | |
| 303.9597 | 24:52 | 24:50 | 2 | | 303883 | 72548 | 59 | 147 | 1230 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:46 | 33:50 | -1 | 1.358 | 259298 | 56934 | 109 | 272 | 522 | | |
| 303.9597 | 33:46 | 33:50 | -1 | 1.358 | 317646 | 65472 | 59 | 147 | 1110 | 0.82(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:20 | 34:23 | -1 | 1.380 | 265283 | 52558 | 109 | 272 | 482 | | |
| 303.9597 | 34:19 | 34:23 | -1 | 1.380 | 336835 | 67670 | 59 | 147 | 1147 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:22 | 20:18 | 4 | 1.000 | 2878 | 817 | 6 | 15 | 136 | | |
| 291.9194 | 20:22 | 20:18 | 4 | 1.000 | 3737 | 823 | 14 | 35 | 59 | 0.77(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:30 | 22:27 | 2 | 1.106 | 116458 | 28898 | 113 | 282 | 256 | | |
| 291.9194 | 22:30 | 22:27 | 2 | 1.106 | 151696 | 37812 | 118 | 295 | 320 | 0.77(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:30 | 22:27 | 2 | 1.106 | 116458 | 28898 | 113 | 282 | 256 | | |
| 291.9194 | 22:30 | 22:27 | 2 | 1.106 | 151696 | 37812 | 118 | 295 | 320 | 0.77(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:15 | 23:12 | 2 | 1.142 | 100647 | 18013 | 113 | 282 | 159 | | M |
| 291.9194 | 23:15 | 23:12 | 2 | 1.142 | 129350 | 22222 | 118 | 295 | 188 | 0.78(0.65-0.89) | M |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:15 | 23:12 | 2 | 1.142 | 100647 | 18013 | 113 | 282 | 159 | | M |
| 291.9194 | 23:15 | 23:12 | 2 | 1.142 | 129350 | 22222 | 118 | 295 | 188 | 0.78(0.65-0.89) | M |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:28 | 23:28 | 2 | 1.153 | 20321 | 4821 | 113 | 282 | 43 | | |
| 291.9194 | 23:28 | 23:28 | 2 | 1.153 | 26904 | 6268 | 118 | 295 | 53 | 0.76(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:54 | 24:55 | 2 | 1.223 | 2154293 | 509560 | 113 | 282 | 4509 | | |
| 291.9194 | 24:54 | 24:55 | 2 | 1.223 | 2747131 | 637563 | 118 | 295 | 5403 | 0.78(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 113 | 282 | | | |
| 291.9194 | 25:04 | | | | | | 118 | 295 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:04 | | | | | | 113 | 282 | | | |
| 291.9194 | 25:04 | | | | | | 118 | 295 | | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:18 | 4 | 1.247 | 1071186 | 253961 | 113 | 282 | 2247 | | |
| 291.9194 | 25:23 | 25:18 | 4 | 1.247 | 1365328 | 320514 | 118 | 295 | 2716 | 0.78(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:18 | 4 | 1.247 | 1071186 | 253961 | 113 | 282 | 2247 | | |
| 291.9194 | 25:23 | 25:18 | 4 | 1.247 | 1365328 | 320514 | 118 | 295 | 2716 | 0.78(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:40 | 25:37 | 1 | 1.261 | 52302 | 12536 | 113 | 282 | 111 | | |
| 291.9194 | 25:40 | 25:37 | 1 | 1.261 | 69711 | 15212 | 118 | 295 | 129 | 0.75(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:56 | 0 | 1.271 | 1273750 | 196521 | 113 | 282 | 1739 | | |
| 291.9194 | 25:53 | 25:56 | 0 | 1.271 | 1619428 | 250000 | 118 | 295 | 2119 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:56 | 0 | 1.271 | 1273750 | 196521 | 113 | 282 | 1739 | | |
| 291.9194 | 25:53 | 25:56 | 0 | 1.271 | 1619428 | 250000 | 118 | 295 | 2119 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:56 | 0 | 1.271 | 1273750 | 196521 | 113 | 282 | 1739 | | |
| 291.9194 | 25:53 | 25:56 | 0 | 1.271 | 1619428 | 250000 | 118 | 295 | 2119 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:12 | 4 | 1.289 | 59323 | 9993 | 113 | 282 | 88 | | |
| 291.9194 | 26:15 | 26:12 | 4 | 1.289 | 87070 | 14813 | 118 | 295 | 126 | 0.68(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:12 | 4 | 1.289 | 59323 | 9993 | 113 | 282 | 88 | | |
| 291.9194 | 26:15 | 26:12 | 4 | 1.289 | 87070 | 14813 | 118 | 295 | 126 | 0.68(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:12 | 4 | 1.289 | 59323 | 9993 | 113 | 282 | 88 | | |
| 291.9194 | 26:15 | 26:12 | 4 | 1.289 | 87070 | 14813 | 118 | 295 | 126 | 0.68(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:24 | 26:22 | 0 | 1.297 | 170536 | 38824 | 113 | 282 | 344 | | |
| 291.9194 | 26:24 | 26:22 | 0 | 1.297 | 217566 | 48459 | 118 | 295 | 411 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:54 | 26:53 | 1 | 1.321 | 274145 | 60495 | 113 | 282 | 535 | | |
| 291.9194 | 26:54 | 26:53 | 1 | 1.321 | 345159 | 76058 | 118 | 295 | 645 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:54 | 26:53 | 1 | 1.321 | 274145 | 60495 | 113 | 282 | 535 | | |
| 291.9194 | 26:54 | 26:53 | 1 | 1.321 | 345159 | 76058 | 118 | 295 | 645 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:54 | 26:53 | 1 | 1.321 | 274145 | 60495 | 113 | 282 | 535 | | |
| 291.9194 | 26:54 | 26:53 | 1 | 1.321 | 345159 | 76058 | 118 | 295 | 645 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:07 | 27:06 | 1 | 1.332 | 410585 | 94341 | 113 | 282 | 835 | | |
| 291.9194 | 27:07 | 27:06 | 1 | 1.332 | 531917 | 122356 | 118 | 295 | 1037 | 0.77(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:57 | 27:55 | 1 | 0.828 | 74767 | 16728 | 113 | 282 | 148 | | |
| 291.9194 | 27:57 | 27:55 | 1 | 0.828 | 89577 | 20399 | 118 | 295 | 173 | 0.83(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:14 | 28:13 | 0 | 0.836 | 45216 | 9386 | 113 | 282 | 83 | | |
| 291.9194 | 28:14 | 28:13 | 0 | 0.836 | 55064 | 12060 | 118 | 295 | 102 | 0.82(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:37 | | | | | | 113 | 282 | | | |
| 291.9194 | 28:37 | | | | | | 118 | 295 | | | |
| PCB-58 | | | | | | | | | | | RQMa |
| 289.9224 | 28:53 | 28:52 | 0 | 0.855 | 14316 | 4323 | 113 | 282 | 38 | | M |
| | Empc Correction | | | | 10468 | 3103 | 113 | 282 | 27 | | |
| 291.9194 | 28:54 | 28:52 | 1 | 0.856 | 13596 | 4031 | 118 | 295 | 34 | 1.05(0.65-0.89) | M |
| PCB-67 | | | | | | | | | | | RQ |
| 289.9224 | 29:04 | 29:01 | 1 | 0.860 | 24539 | 3902 | 113 | 282 | 35 | | |
| | Empc Correction | | | | 16884 | 3129 | 113 | 282 | 28 | | |
| 291.9194 | 29:04 | 29:01 | 1 | 0.860 | 21928 | 4064 | 118 | 295 | 34 | 1.12(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:20 | 29:16 | 1 | 0.868 | 45483 | 10396 | 113 | 282 | 92 | | |
| 291.9194 | 29:20 | 29:16 | 1 | 0.868 | 54145 | 12075 | 118 | 295 | 102 | 0.84(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2520100 | 461478 | 113 | 282 | 4084 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3151373 | 574710 | 118 | 295 | 4870 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2520100 | 461478 | 113 | 282 | 4084 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3151373 | 574710 | 118 | 295 | 4870 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2520100 | 461478 | 113 | 282 | 4084 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3151373 | 574710 | 118 | 295 | 4870 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:39 | 29:38 | 1 | 0.878 | 2520100 | 461478 | 113 | 282 | 4084 | | |
| 291.9194 | 29:39 | 29:38 | 1 | 0.878 | 3151373 | 574710 | 118 | 295 | 4870 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | M |
| 289.9224 | 29:59 | 29:59 | 1 | 0.888 | 1110758 | 239453 | 113 | 282 | 2119 | | M |
| 291.9194 | 29:59 | 29:59 | 1 | 0.888 | 1385881 | 303698 | 118 | 295 | 2574 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:07 | | | | | | 113 | 282 | | | |
| 291.9194 | 30:07 | | | | | | 118 | 295 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:39 | 30:35 | 1 | 0.908 | 279581 | 59032 | 113 | 282 | 522 | | |
| 291.9194 | 30:38 | 30:35 | 1 | 0.907 | 354058 | 75796 | 118 | 295 | 642 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:51 | 30:50 | 1 | 0.914 | 57265 | 12614 | 113 | 282 | 112 | | |
| 291.9194 | 30:51 | 30:50 | 1 | 0.914 | 70454 | 14991 | 118 | 295 | 127 | 0.81(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:15 | | | | | | 113 | 282 | | | |
| 291.9194 | 31:15 | | | | | | 118 | 295 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:48 | 32:48 | 1 | 0.971 | 87206 | 17196 | 113 | 282 | 152 | | |
| 291.9194 | 32:48 | 32:48 | 1 | 0.971 | 106979 | 21128 | 118 | 295 | 179 | 0.82(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:20 | | | | | | 113 | 282 | | | |
| 291.9194 | 33:20 | | | | | | 118 | 295 | | | |
| PCB-81 | | | | | | | | | | | a |
| 289.9224 | 33:42 | 33:46 | -5 | 0.998 | 76962 | 15272 | 113 | 282 | 135 | | a |
| 291.9194 | 33:41 | 33:46 | -5 | 0.997 | 99444 | 19538 | 118 | 295 | 166 | 0.77(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:21 | 34:18 | 1 | 1.000 | 95202 | 19248 | 113 | 282 | 170 | | |
| 291.9194 | 34:21 | 34:18 | 1 | 1.000 | 120975 | 25199 | 118 | 295 | 214 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:49 | 25:50 | 0 | 0.814 | 241493 | 53663 | 49 | 122 | 1095 | | |
| 339.9178 | 25:49 | 25:50 | 0 | 0.814 | 151972 | 34565 | 55 | 137 | 628 | 1.59(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:42 | 31:41 | 1 | | 253027 | 54871 | 49 | 122 | 1120 | | |
| 339.9178 | 31:42 | 31:41 | 1 | | 170852 | 36199 | 55 | 137 | 658 | 1.48(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:23 | 34:23 | 1 | 1.085 | 288101 | 61065 | 49 | 122 | 1246 | | |
| 339.9178 | 34:23 | 34:23 | 1 | 1.085 | 180655 | 36934 | 55 | 137 | 672 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:20 | 36:23 | -2 | 1.146 | 342049 | 70104 | 517 | 1292 | 136 | | |
| 339.9178 | 36:21 | 36:23 | -1 | 1.147 | 218900 | 44027 | 307 | 767 | 143 | 1.56(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:40 | 36:42 | -2 | 1.157 | 358485 | 76612 | 517 | 1292 | 148 | | |
| 339.9178 | 36:40 | 36:42 | -2 | 1.157 | 236642 | 50189 | 307 | 767 | 163 | 1.51(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:11 | 37:14 | -2 | 1.173 | 348754 | 72141 | 517 | 1292 | 140 | | |
| 339.9178 | 37:12 | 37:14 | -1 | 1.174 | 214337 | 45379 | 307 | 767 | 148 | 1.63(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:50 | 37:52 | -1 | 1.194 | 339557 | 67932 | 517 | 1292 | 131 | | |
| 339.9178 | 37:50 | 37:52 | -1 | 1.194 | 222354 | 43832 | 307 | 767 | 143 | 1.53(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:19 | 39:18 | 1 | | 432196 | 88026 | 517 | 1292 | 170 | | |
| 339.9178 | 39:19 | 39:18 | 1 | | 278119 | 59338 | 307 | 767 | 193 | 1.55(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:55 | 40:57 | -1 | 1.291 | 344598 | 71209 | 517 | 1292 | 138 | | |
| 339.9178 | 40:55 | 40:57 | -1 | 1.291 | 216255 | 42319 | 307 | 767 | 138 | 1.59(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:49 | | | | | | 55 | 137 | | | |
| 327.8775 | 25:49 | | | | | | 35 | 87 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:12 | 26:12 | 1 | 1.015 | 31031 | 6676 | 55 | 137 | 121 | | |
| 327.8775 | 26:12 | 26:12 | 1 | 1.015 | 20437 | 4564 | 35 | 87 | 130 | 1.52(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:08 | 28:07 | 1 | 1.090 | 85014 | 18587 | 55 | 137 | 338 | | |
| 327.8775 | 28:08 | 28:07 | 1 | 1.090 | 52725 | 11251 | 35 | 87 | 321 | 1.61(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | RQM |
| 325.8804 | 28:21 | 28:22 | 0 | 1.098 | 24647 | 4993 | 55 | 137 | 91 | | M |
| | Empc Correction | | | | 16910 | 3735 | 55 | 137 | 68 | | |
| 327.8775 | 28:22 | 28:22 | 1 | 1.099 | 10910 | 2410 | 35 | 87 | 69 | 2.26(1.32-1.78) | M |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:48 | 28:47 | 1 | 1.115 | 3214208 | 701655 | 55 | 137 | 12757 | | |
| 327.8775 | 28:47 | 28:47 | 0 | 1.115 | 2010328 | 437490 | 35 | 87 | 12500 | 1.60(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:01 | 28:56 | 0 | 1.124 | 71199 | 13268 | 55 | 137 | 241 | | |
| 327.8775 | 29:01 | 28:56 | 0 | 1.124 | 44106 | 8933 | 35 | 87 | 255 | 1.61(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:01 | 28:56 | 0 | 1.124 | 71199 | 13268 | 55 | 137 | 241 | | |
| 327.8775 | 29:01 | 28:56 | 0 | 1.124 | 44106 | 8933 | 35 | 87 | 255 | 1.61(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:06 | 0 | 1.129 | 142171 | 25329 | 55 | 137 | 461 | | |
| 327.8775 | 29:09 | 29:06 | 0 | 1.129 | 86297 | 15419 | 35 | 87 | 441 | 1.65(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:06 | 0 | 1.129 | 142171 | 25329 | 55 | 137 | 461 | | |
| 327.8775 | 29:09 | 29:06 | 0 | 1.129 | 86297 | 15419 | 35 | 87 | 441 | 1.65(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:39 | 29:36 | 1 | 1.148 | 604960 | 131073 | 55 | 137 | 2383 | | |
| 327.8775 | 29:39 | 29:36 | 1 | 1.148 | 374763 | 80260 | 35 | 87 | 2293 | 1.61(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:39 | 29:36 | 1 | 1.148 | 604960 | 131073 | 55 | 137 | 2383 | | |
| 327.8775 | 29:39 | 29:36 | 1 | 1.148 | 374763 | 80260 | 35 | 87 | 2293 | 1.61(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:52 | 29:51 | 1 | 1.157 | 925541 | 198563 | 55 | 137 | 3610 | | |
| 327.8775 | 29:52 | 29:51 | 1 | 1.157 | 582955 | 126031 | 35 | 87 | 3601 | 1.59(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:22 | 30:20 | 1 | 1.176 | 25458 | 4431 | 55 | 137 | 81 | | |
| 327.8775 | 30:21 | 30:20 | 1 | 1.176 | 15763 | 2701 | 35 | 87 | 77 | 1.62(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:45 | | | | | | 55 | 137 | | | |
| 327.8775 | 30:45 | | | | | | 35 | 87 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:08 | 31:05 | 1 | 0.857 | 838567 | 177763 | 55 | 137 | 3232 | | |
| 327.8775 | 31:08 | 31:05 | 1 | 0.857 | 533827 | 113040 | 35 | 87 | 3230 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 4729910 | 1009032 | 55 | 137 | 18346 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 2983850 | 640367 | 35 | 87 | 18296 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 4729910 | 1009032 | 55 | 137 | 18346 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 2983850 | 640367 | 35 | 87 | 18296 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:43 | 31:42 | 1 | 1.229 | 4729910 | 1009032 | 55 | 137 | 18346 | | |
| 327.8775 | 31:43 | 31:42 | 1 | 1.229 | 2983850 | 640367 | 35 | 87 | 18296 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:18 | 32:18 | 1 | 1.252 | 2329197 | 451677 | 55 | 137 | 8212 | | M |
| 327.8775 | 32:18 | 32:18 | 1 | 1.252 | 1364163 | 284722 | 35 | 87 | 8135 | 1.71(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:18 | 32:18 | 1 | 1.252 | 2329197 | 451677 | 55 | 137 | 8212 | | M |
| 327.8775 | 32:18 | 32:18 | 1 | 1.252 | 1364163 | 284722 | 35 | 87 | 8135 | 1.71(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:24 | | | | | | 55 | 137 | | | |
| 327.8775 | 32:24 | | | | | | 35 | 87 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:46 | 7 | 1.274 | 2844023 | 312980 | 55 | 137 | 5691 | | M |
| 327.8775 | 32:54 | 32:46 | 7 | 1.274 | 1794605 | 196029 | 35 | 87 | 5601 | 1.58(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:46 | 7 | 1.274 | 2844023 | 312980 | 55 | 137 | 5691 | | M |
| 327.8775 | 32:54 | 32:46 | 7 | 1.274 | 1794605 | 196029 | 35 | 87 | 5601 | 1.58(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:46 | 7 | 1.274 | 2844023 | 312980 | 55 | 137 | 5691 | | M |
| 327.8775 | 32:54 | 32:46 | 7 | 1.274 | 1794605 | 196029 | 35 | 87 | 5601 | 1.58(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:46 | 7 | 1.274 | 2844023 | 312980 | 55 | 137 | 5691 | | M |
| 327.8775 | 32:54 | 32:46 | 7 | 1.274 | 1794605 | 196029 | 35 | 87 | 5601 | 1.58(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:46 | 7 | 1.274 | 2844023 | 312980 | 55 | 137 | 5691 | | M |
| 327.8775 | 32:54 | 32:46 | 7 | 1.274 | 1794605 | 196029 | 35 | 87 | 5601 | 1.58(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:54 | 32:46 | 7 | 1.274 | 2844023 | 312980 | 55 | 137 | 5691 | | M |
| 327.8775 | 32:54 | 32:46 | 7 | 1.274 | 1794605 | 196029 | 35 | 87 | 5601 | 1.58(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:32 | 33:28 | 1 | 1.299 | 642904 | 105698 | 55 | 137 | 1922 | | |
| 327.8775 | 33:32 | 33:28 | 1 | 1.299 | 394860 | 65479 | 35 | 87 | 1871 | 1.63(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:32 | 33:28 | 1 | 1.299 | 642904 | 105698 | 55 | 137 | 1922 | | |
| 327.8775 | 33:32 | 33:28 | 1 | 1.299 | 394860 | 65479 | 35 | 87 | 1871 | 1.63(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:32 | 33:28 | 1 | 1.299 | 642904 | 105698 | 55 | 137 | 1922 | | |
| 327.8775 | 33:32 | 33:28 | 1 | 1.299 | 394860 | 65479 | 35 | 87 | 1871 | 1.63(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:45 | -5 | 1.305 | 5960409 | 1226115 | 55 | 137 | 22293 | | |
| 327.8775 | 33:41 | 33:45 | -5 | 1.305 | 3809047 | 786969 | 35 | 87 | 22485 | 1.56(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:45 | -5 | 1.305 | 5960409 | 1226115 | 55 | 137 | 22293 | | |
| 327.8775 | 33:41 | 33:45 | -5 | 1.305 | 3809047 | 786969 | 35 | 87 | 22485 | 1.56(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:00 | 33:59 | 0 | 1.317 | 338809 | 66203 | 55 | 137 | 1204 | | |
| 327.8775 | 34:00 | 33:59 | 0 | 1.317 | 212432 | 42280 | 35 | 87 | 1208 | 1.59(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:23 | | | | | | 55 | 137 | | | |
| 327.8775 | 34:23 | | | | | | 35 | 87 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:52 | 34:50 | 1 | 1.351 | 57943 | 10259 | 55 | 137 | 187 | | |
| 327.8775 | 34:52 | 34:50 | 1 | 1.351 | 37861 | 7093 | 35 | 87 | 203 | 1.53(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:00 | 35:57 | 1 | 1.395 | 200737 | 41319 | 396 | 990 | 104 | | |
| 327.8775 | 36:00 | 35:57 | 1 | 1.395 | 127432 | 25750 | 269 | 672 | 96 | 1.58(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:00 | 35:57 | 1 | 1.395 | 200737 | 41319 | 396 | 990 | 104 | | |
| 327.8775 | 36:00 | 35:57 | 1 | 1.395 | 127432 | 25750 | 269 | 672 | 96 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | M |
| 325.8804 | 36:15 | 36:15 | 0 | 1.404 | 485869 | 99139 | 396 | 990 | 250 | | |
| 327.8775 | 36:15 | 36:15 | 0 | 1.404 | 310565 | 62559 | 269 | 672 | 233 | 1.56(1.32-1.78) | M |
| PCB-123 | | | | | | | | | | | Ma |
| 325.8804 | 36:22 | 36:22 | 0 | 1.001 | 75329 | 16645 | 396 | 990 | 42 | | M |
| 327.8775 | 36:22 | 36:22 | 0 | 1.001 | 43956 | 10739 | 269 | 672 | 40 | 1.71(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:26 | | | | | | 396 | 990 | | | |
| 327.8775 | 36:26 | | | | | | 269 | 672 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:41 | 36:39 | 1 | 1.001 | 5679421 | 1142555 | 396 | 990 | 2885 | | |
| 327.8775 | 36:41 | 36:39 | 1 | 1.001 | 3626057 | 734567 | 269 | 672 | 2731 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:02 | 36:58 | 0 | 1.010 | 64761 | 11340 | 396 | 990 | 29 | | |
| 327.8775 | 37:02 | 36:58 | 0 | 1.010 | 37960 | 6947 | 269 | 672 | 26 | 1.71(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:13 | 37:09 | 0 | 1.001 | 124505 | 20353 | 396 | 990 | 51 | | |
| 327.8775 | 37:13 | 37:09 | 0 | 1.001 | 70841 | 12943 | 269 | 672 | 48 | 1.76(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:52 | 37:49 | 1 | 1.001 | 1723993 | 337059 | 396 | 990 | 851 | | |
| 327.8775 | 37:51 | 37:49 | 0 | 1.000 | 1093018 | 212582 | 269 | 672 | 790 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | Ma |
| 325.8804 | 39:24 | 39:25 | 4 | 1.041 | 14948 | 2982 | 396 | 990 | 8 | | M |
| 327.8775 | 39:25 | 39:25 | 5 | 1.042 | 8703 | 1626 | 269 | 672 | 6 | 1.72(1.32-1.78) | M |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:57 | 40:57 | 1 | 1.001 | 6416 | 1718 | 396 | 990 | 4 | | |
| 327.8775 | 40:57 | 40:57 | 1 | 1.001 | 3702 | 1094 | 269 | 672 | 4 | 1.73(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:29 | 31:31 | -2 | 0.791 | 211504 | 43259 | 54 | 135 | 801 | | |
| 373.8788 | 31:29 | 31:31 | -2 | 0.791 | 173711 | 39235 | 27 | 67 | 1453 | 1.22(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:47 | 39:46 | 1 | | 291296 | 59452 | 123 | 307 | 483 | | |
| 373.8788 | 39:47 | 39:46 | 1 | | 231266 | 47094 | 107 | 267 | 440 | 1.26(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:48 | 42:50 | -2 | 1.076 | 300283 | 61206 | 123 | 307 | 498 | | |
| 373.8788 | 42:48 | 42:50 | -2 | 1.076 | 240092 | 47897 | 107 | 267 | 448 | 1.25(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:59 | -1 | 1.105 | 603642 | 89501 | 123 | 307 | 728 | | |
| 373.8788 | 43:57 | 43:59 | 0 | 1.105 | 477392 | 64342 | 107 | 267 | 601 | 1.26(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:59 | -1 | 1.105 | 603642 | 89501 | 123 | 307 | 728 | | |
| 373.8788 | 43:57 | 43:59 | 0 | 1.105 | 477392 | 64342 | 107 | 267 | 601 | 1.26(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:11 | 47:13 | -1 | 1.186 | 314627 | 61922 | 123 | 307 | 503 | | |
| 373.8788 | 47:11 | 47:13 | -1 | 1.186 | 232985 | 43253 | 107 | 267 | 404 | 1.35(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | M |
| 359.8415 | 31:31 | 31:30 | 1 | 1.001 | 938 | 171 | 24 | 60 | 7 | | M |
| 361.8385 | 31:30 | 31:30 | 1 | 1.001 | 881 | 213 | 22 | 55 | 10 | 1.06(1.05-1.43) | M |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:41 | 31:38 | 0 | 1.006 | 4851 | 1090 | 24 | 60 | 45 | | |
| 361.8385 | 31:42 | 31:38 | 1 | 1.007 | 3759 | 873 | 22 | 55 | 40 | 1.29(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:52 | 31:48 | 1 | 1.012 | 18403 | 3796 | 24 | 60 | 158 | | |
| 361.8385 | 31:52 | 31:48 | 1 | 1.012 | 15616 | 3633 | 22 | 55 | 165 | 1.18(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:12 | 32:11 | 0 | 1.023 | 541920 | 112407 | 24 | 60 | 4684 | | |
| 361.8385 | 32:12 | 32:11 | 0 | 1.023 | 428205 | 89771 | 22 | 55 | 4081 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | RQ |
| 359.8415 | 32:30 | 32:29 | -1 | 1.032 | 4594 | 541 | 24 | 60 | 23 | | |
| | Empc Correction | | | | 3638 | 500 | 24 | 60 | 21 | | |
| 361.8385 | 32:31 | 32:29 | 1 | 1.033 | 2934 | 404 | 22 | 55 | 18 | 1.57(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:02 | 34:00 | 0 | 1.081 | 13738 | 2827 | 24 | 60 | 118 | | |
| 361.8385 | 34:02 | 34:00 | 0 | 1.081 | 11058 | 2010 | 22 | 55 | 91 | 1.24(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:37 | 34:38 | -3 | 1.100 | 917800 | 118317 | 24 | 60 | 4930 | | |
| 361.8385 | 34:37 | 34:38 | -3 | 1.100 | 727000 | 93993 | 22 | 55 | 4272 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:37 | 34:38 | -3 | 1.100 | 917800 | 118317 | 24 | 60 | 4930 | | |
| 361.8385 | 34:37 | 34:38 | -3 | 1.100 | 727000 | 93993 | 22 | 55 | 4272 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:53 | 34:51 | 0 | 1.108 | 104570 | 21387 | 24 | 60 | 891 | | |
| 361.8385 | 34:53 | 34:51 | 0 | 1.108 | 78010 | 16017 | 22 | 55 | 728 | 1.34(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:11 | 35:07 | 1 | 1.118 | 117972 | 24387 | 24 | 60 | 1016 | | |
| 361.8385 | 35:11 | 35:07 | 1 | 1.118 | 91479 | 18252 | 22 | 55 | 830 | 1.29(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | M |
| 359.8415 | 35:33 | 35:32 | 1 | 1.129 | 3436463 | 680648 | 78 | 195 | 8726 | | M |
| 361.8385 | 35:33 | 35:32 | 1 | 1.129 | 2683756 | 535994 | 119 | 297 | 4504 | 1.28(1.05-1.43) | M |
| PCB-149 (C147) | | | | | | | | | | | M |
| 359.8415 | 35:33 | 35:32 | 1 | 1.129 | 3436463 | 680648 | 78 | 195 | 8726 | | M |
| 361.8385 | 35:33 | 35:32 | 1 | 1.129 | 2683756 | 535994 | 119 | 297 | 4504 | 1.28(1.05-1.43) | M |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:45 | 35:47 | -5 | 1.136 | 236402 | 43290 | 78 | 195 | 555 | | |
| 361.8385 | 35:45 | 35:47 | -5 | 1.136 | 191188 | 35742 | 119 | 297 | 300 | 1.24(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:45 | 35:47 | -5 | 1.136 | 236402 | 43290 | 78 | 195 | 555 | | |
| 361.8385 | 35:45 | 35:47 | -5 | 1.136 | 191188 | 35742 | 119 | 297 | 300 | 1.24(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:09 | 36:05 | 1 | 1.148 | 99678 | 18004 | 78 | 195 | 231 | | |
| 361.8385 | 36:08 | 36:05 | 0 | 1.148 | 80101 | 14626 | 119 | 297 | 123 | 1.24(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:09 | 36:05 | 1 | 1.148 | 99678 | 18004 | 78 | 195 | 231 | | |
| 361.8385 | 36:08 | 36:05 | 0 | 1.148 | 80101 | 14626 | 119 | 297 | 123 | 1.24(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:21 | 36:17 | 0 | 1.155 | 57344 | 11527 | 78 | 195 | 148 | | |
| 361.8385 | 36:21 | 36:17 | 0 | 1.155 | 46540 | 8824 | 119 | 297 | 74 | 1.23(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:28 | | | | | | 78 | 195 | | | |
| 361.8385 | 36:28 | | | | | | 119 | 297 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:48 | 36:46 | 1 | 1.169 | 1342608 | 269594 | 78 | 195 | 3456 | | |
| 361.8385 | 36:48 | 36:46 | 0 | 1.169 | 1081306 | 219547 | 119 | 297 | 1845 | 1.24(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:19 | 37:19 | 1 | 1.185 | 83751 | 16572 | 78 | 195 | 212 | | |
| 361.8385 | 37:19 | 37:19 | 1 | 1.185 | 68363 | 13649 | 119 | 297 | 115 | 1.23(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:41 | | | | | | 78 | 195 | | | |
| 361.8385 | 37:41 | | | | | | 119 | 297 | | | |
| PCB-146 | | | | | | | | | | | M |
| 359.8415 | 37:57 | 37:57 | 0 | 0.887 | 815823 | 170179 | 78 | 195 | 2182 | | M |
| 361.8385 | 37:57 | 37:57 | 0 | 0.887 | 641700 | 131144 | 119 | 297 | 1102 | 1.27(1.05-1.43) | M |
| PCB-161 | | | | | | | | | | | RQMUa |
| 359.8415 | 38:05 | | | | | | 78 | 195 | | | |
| 361.8385 | 38:05 | | | | | | 119 | 297 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:34 | 38:34 | -2 | 0.901 | 4044729 | 828932 | 78 | 195 | 10627 | | |
| 361.8385 | 38:34 | 38:34 | -2 | 0.901 | 3203387 | 658877 | 119 | 297 | 5537 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:34 | 38:34 | -2 | 0.901 | 4044729 | 828932 | 78 | 195 | 10627 | | |
| 361.8385 | 38:34 | 38:34 | -2 | 0.901 | 3203387 | 658877 | 119 | 297 | 5537 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:46 | 38:42 | 1 | 0.906 | 616837 | 122484 | 78 | 195 | 1570 | | |
| 361.8385 | 38:46 | 38:42 | 1 | 0.906 | 494269 | 98997 | 119 | 297 | 832 | 1.25(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:10 | 39:07 | 1 | 0.915 | 264188 | 54886 | 78 | 195 | 704 | | |
| 361.8385 | 39:10 | 39:07 | 1 | 0.915 | 213202 | 41193 | 119 | 297 | 346 | 1.24(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:24 | 39:20 | 1 | 0.921 | 219382 | 45627 | 78 | 195 | 585 | | |
| 361.8385 | 39:24 | 39:20 | 1 | 0.921 | 175420 | 35173 | 119 | 297 | 296 | 1.25(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:31 | 39:27 | 1 | 0.923 | 383099 | 77353 | 78 | 195 | 992 | | |
| 361.8385 | 39:31 | 39:27 | 1 | 0.923 | 306164 | 62659 | 119 | 297 | 527 | 1.25(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 0 | 0.930 | 4554455 | 867919 | 78 | 195 | 11127 | | |
| 361.8385 | 39:49 | 39:47 | 0 | 0.930 | 3623924 | 694124 | 119 | 297 | 5833 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 0 | 0.930 | 4554455 | 867919 | 78 | 195 | 11127 | | |
| 361.8385 | 39:49 | 39:47 | 0 | 0.930 | 3623924 | 694124 | 119 | 297 | 5833 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 0 | 0.930 | 4554455 | 867919 | 78 | 195 | 11127 | | |
| 361.8385 | 39:49 | 39:47 | 0 | 0.930 | 3623924 | 694124 | 119 | 297 | 5833 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:49 | 39:47 | 0 | 0.930 | 4554455 | 867919 | 78 | 195 | 11127 | | |
| 361.8385 | 39:49 | 39:47 | 0 | 0.930 | 3623924 | 694124 | 119 | 297 | 5833 | 1.26(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:12 | 40:09 | 1 | 0.940 | 581420 | 115118 | 78 | 195 | 1476 | | |
| 361.8385 | 40:12 | 40:09 | 1 | 0.940 | 462481 | 90754 | 119 | 297 | 763 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:01 | 1 | 0.960 | 794963 | 147520 | 78 | 195 | 1891 | | |
| 361.8385 | 41:04 | 41:01 | 1 | 0.960 | 627440 | 116396 | 119 | 297 | 978 | 1.27(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:01 | 1 | 0.960 | 794963 | 147520 | 78 | 195 | 1891 | | |
| 361.8385 | 41:04 | 41:01 | 1 | 0.960 | 627440 | 116396 | 119 | 297 | 978 | 1.27(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:02 | 42:01 | -1 | 0.982 | 41700 | 7944 | 78 | 195 | 102 | | |
| 361.8385 | 42:01 | 42:01 | -2 | 0.982 | 34475 | 6503 | 119 | 297 | 55 | 1.21(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:21 | 42:22 | 1 | 0.990 | 21268 | 4600 | 78 | 195 | 59 | | |
| 361.8385 | 42:20 | 42:22 | 0 | 0.989 | 18552 | 3247 | 119 | 297 | 27 | 1.15(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:49 | 42:51 | 1 | 1.001 | 224619 | 44207 | 78 | 195 | 567 | | |
| 361.8385 | 42:49 | 42:51 | 1 | 1.001 | 177924 | 34765 | 119 | 297 | 292 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:57 | 43:55 | -1 | 1.000 | 692210 | 119309 | 78 | 195 | 1530 | | |
| 361.8385 | 43:57 | 43:55 | -1 | 1.000 | 553593 | 96043 | 119 | 297 | 807 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:57 | 43:55 | -1 | 1.000 | 692210 | 119309 | 78 | 195 | 1530 | | |
| 361.8385 | 43:57 | 43:55 | -1 | 1.000 | 553593 | 96043 | 119 | 297 | 807 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | M |
| 359.8415 | 47:10 | 47:11 | -2 | 0.999 | 5833 | 1194 | 78 | 195 | 15 | | M |
| 361.8385 | 47:10 | 47:11 | -1 | 1.000 | 4527 | 777 | 119 | 297 | 7 | 1.29(1.05-1.43) | M |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:12 | 37:14 | -2 | 0.820 | 239915 | 49504 | 77 | 192 | 643 | | |
| 407.8398 | 37:12 | 37:14 | -2 | 0.820 | 225841 | 45802 | 47 | 117 | 975 | 1.06(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:15 | 40:15 | 1 | 0.888 | 187227 | 37761 | 77 | 192 | 490 | | |
| 407.8398 | 40:15 | 40:15 | 1 | 0.888 | 180780 | 34499 | 47 | 117 | 734 | 1.04(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:21 | 45:21 | 0 | | 227336 | 45522 | 77 | 192 | 591 | | |
| 407.8398 | 45:21 | 45:21 | 0 | | 230401 | 47290 | 47 | 117 | 1006 | 0.99(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:35 | 46:37 | -2 | 1.027 | 155989 | 29620 | 77 | 192 | 385 | | |
| 407.8398 | 46:35 | 46:37 | -2 | 1.027 | 139282 | 27433 | 47 | 117 | 584 | 1.12(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:43 | 49:44 | -1 | 1.096 | 329565 | 64769 | 884 | 2210 | 73 | | |
| 407.8398 | 49:43 | 49:44 | -1 | 1.096 | 290738 | 54475 | 479 | 1197 | 114 | 1.13(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-188 | | | | | | | | | | | M |
| 393.8025 | 37:14 | 37:14 | 1 | 1.001 | 4132 | 961 | 19 | 47 | 51 | | M |
| 395.7995 | 37:14 | 37:14 | 1 | 1.001 | 3730 | 835 | 18 | 45 | 46 | 1.11(0.89-1.21) | M |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:33 | 37:30 | 0 | 1.009 | 321506 | 65148 | 19 | 47 | 3429 | | |
| 395.7995 | 37:33 | 37:30 | 0 | 1.009 | 306569 | 63269 | 18 | 45 | 3515 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:04 | | | | | | 19 | 47 | | | |
| 395.7995 | 38:04 | | | | | | 18 | 45 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:26 | 38:24 | 1 | 1.033 | 105722 | 21377 | 19 | 47 | 1125 | | |
| 395.7995 | 38:26 | 38:24 | 1 | 1.033 | 95901 | 19663 | 18 | 45 | 1092 | 1.10(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:52 | | | | | | 19 | 47 | | | |
| 395.7995 | 38:52 | | | | | | 18 | 45 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:17 | 40:13 | 1 | 1.083 | 117907 | 22363 | 19 | 47 | 1177 | | |
| 395.7995 | 40:16 | 40:13 | 0 | 1.083 | 113933 | 22312 | 18 | 45 | 1240 | 1.03(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | a |
| 393.8025 | 40:55 | 40:55 | 1 | 1.100 | 26036 | 5021 | 19 | 47 | 264 | | a |
| 395.7995 | 40:55 | 40:55 | 1 | 1.100 | 24661 | 4633 | 18 | 45 | 257 | 1.06(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:11 | 41:11 | 1 | 1.107 | 715111 | 143611 | 19 | 47 | 7558 | | |
| 395.7995 | 41:11 | 41:11 | 1 | 1.107 | 674829 | 134425 | 18 | 45 | 7468 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:24 | 41:21 | 1 | 1.113 | 8140 | 1372 | 19 | 47 | 72 | | |
| 395.7995 | 41:24 | 41:21 | 1 | 1.113 | 7941 | 1321 | 18 | 45 | 73 | 1.03(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:47 | 41:47 | 0 | 1.123 | 386309 | 67372 | 19 | 47 | 3546 | | |
| 395.7995 | 41:47 | 41:47 | 0 | 1.123 | 371491 | 64807 | 18 | 45 | 3600 | 1.04(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:47 | 41:47 | 0 | 1.123 | 386309 | 67372 | 19 | 47 | 3546 | | |
| 395.7995 | 41:47 | 41:47 | 0 | 1.123 | 371491 | 64807 | 18 | 45 | 3600 | 1.04(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:01 | 42:01 | 0 | 1.130 | 507124 | 100192 | 19 | 47 | 5273 | | |
| 395.7995 | 42:01 | 42:01 | 0 | 1.130 | 495866 | 100978 | 18 | 45 | 5610 | 1.02(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:28 | 42:28 | 1 | 1.142 | 317684 | 60972 | 19 | 47 | 3209 | | |
| 395.7995 | 42:28 | 42:28 | 1 | 1.142 | 301291 | 58909 | 18 | 45 | 3273 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | RQ |
| 393.8025 | 42:51 | 42:52 | 1 | 1.152 | 7785 | 1618 | 19 | 47 | 85 | | |
| 395.7995 | 42:52 | 42:52 | 1 | 1.153 | 8911 | 1578 | 18 | 45 | 88 | 0.87(0.89-1.21) | |
| | Empc Correction | | | | 7414 | 1540 | 18 | 45 | 86 | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:00 | 1 | 1.159 | 176720 | 34468 | 19 | 47 | 1814 | | |
| 395.7995 | 43:06 | 43:00 | 1 | 1.159 | 165944 | 31445 | 18 | 45 | 1747 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:00 | 1 | 1.159 | 176720 | 34468 | 19 | 47 | 1814 | | |
| 395.7995 | 43:06 | 43:00 | 1 | 1.159 | 165944 | 31445 | 18 | 45 | 1747 | 1.06(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:43 | 44:41 | 0 | 0.899 | 90498 | 17251 | 19 | 47 | 908 | | |
| 395.7995 | 44:43 | 44:41 | 0 | 0.899 | 88833 | 17333 | 18 | 45 | 963 | 1.02(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 44:59 | | | | | | 19 | 47 | | | |
| 395.7995 | 44:59 | | | | | | 18 | 45 | | | |
| PCB-180 | | | | | | | | | | | a |
| 393.8025 | 45:22 | 45:22 | 3 | 0.913 | 1297322 | 246933 | 19 | 47 | 12996 | | a |
| 395.7995 | 45:22 | 45:22 | 3 | 0.913 | 1225127 | 232745 | 18 | 45 | 12930 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | a |
| 393.8025 | 45:22 | 45:22 | 3 | 0.913 | 1297322 | 246933 | 19 | 47 | 12996 | | a |
| 395.7995 | 45:22 | 45:22 | 3 | 0.913 | 1225127 | 232745 | 18 | 45 | 12930 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:43 | 45:41 | 1 | 0.920 | 33176 | 6241 | 19 | 47 | 328 | | |
| 395.7995 | 45:43 | 45:41 | 1 | 0.920 | 31852 | 5864 | 18 | 45 | 326 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:37 | 46:36 | 1 | 0.938 | 514847 | 101240 | 19 | 47 | 5328 | | |
| 395.7995 | 46:37 | 46:36 | 0 | 0.938 | 483186 | 94805 | 18 | 45 | 5267 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:09 | 47:07 | 1 | 0.948 | 140561 | 27078 | 19 | 47 | 1425 | | |
| 395.7995 | 47:09 | 47:07 | 1 | 0.948 | 134253 | 26246 | 18 | 45 | 1458 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | M |
| 393.8025 | 49:44 | 49:44 | 0 | 1.001 | 42575 | 8049 | 58 | 145 | 139 | | M |
| 395.7995 | 49:44 | 49:44 | 0 | 1.001 | 38543 | 7714 | 60 | 150 | 129 | 1.10(0.89-1.21) | M |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:34 | 42:37 | -2 | 0.821 | 193159 | 40171 | 112 | 280 | 359 | | |
| 441.8008 | 42:34 | 42:37 | -2 | 0.821 | 215137 | 44641 | 195 | 487 | 229 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:50 | 51:49 | 1 | | 238471 | 45425 | 247 | 617 | 184 | | |
| 441.8008 | 51:50 | 51:49 | 1 | | 272356 | 53288 | 227 | 567 | 235 | 0.88(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:18 | 52:21 | -2 | 1.009 | 249220 | 48052 | 247 | 617 | 195 | | |
| 441.8008 | 52:18 | 52:21 | -1 | 1.009 | 260113 | 48962 | 227 | 567 | 216 | 0.96(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:36 | 42:31 | 1 | 1.001 | 48497 | 9747 | 47 | 117 | 207 | | |
| 429.7606 | 42:35 | 42:31 | 0 | 1.000 | 52641 | 10163 | 30 | 75 | 339 | 0.92(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:31 | 43:27 | 1 | 1.022 | 33251 | 6950 | 47 | 117 | 148 | | |
| 429.7606 | 43:31 | 43:27 | 0 | 1.022 | 39524 | 7805 | 30 | 75 | 260 | 0.84(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:10 | | | | | | 47 | 117 | | | |
| 429.7606 | 44:10 | | | | | | 30 | 75 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-197 | | | | | | | | | | | RQ |
| 427.7635 | 44:25 | 44:25 | 0 | 1.043 | 7023 | 2151 | 47 | 117 | 46 | | |
| 429.7606 | 44:25 | 44:25 | 0 | 1.043 | 11987 | 2711 | 30 | 75 | 90 | 0.59(0.76-1.02) | |
| | Empc Correction | | | | 7891 | 2416 | 30 | 75 | 81 | | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:31 | 44:32 | 0 | 1.046 | 35955 | 5734 | 47 | 117 | 122 | | |
| 429.7606 | 44:31 | 44:32 | 0 | 1.046 | 36835 | 7049 | 30 | 75 | 235 | 0.98(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:21 | 47:16 | 2 | 1.112 | 192659 | 35178 | 47 | 117 | 748 | | |
| 429.7606 | 47:20 | 47:16 | 1 | 1.112 | 210645 | 38035 | 30 | 75 | 1268 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:21 | 47:16 | 2 | 1.112 | 192659 | 35178 | 47 | 117 | 748 | | |
| 429.7606 | 47:20 | 47:16 | 1 | 1.112 | 210645 | 38035 | 30 | 75 | 1268 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:00 | 47:59 | 1 | 0.918 | 96618 | 18727 | 47 | 117 | 398 | | |
| 429.7606 | 47:59 | 47:59 | 0 | 0.918 | 104377 | 20594 | 30 | 75 | 686 | 0.93(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:11 | 48:10 | 0 | 0.921 | 129514 | 24804 | 47 | 117 | 528 | | |
| 429.7606 | 48:11 | 48:10 | 0 | 0.921 | 144643 | 27397 | 30 | 75 | 913 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:30 | 49:30 | 0 | 0.946 | 87385 | 17195 | 94 | 235 | 183 | | |
| 429.7606 | 49:30 | 49:30 | 0 | 0.946 | 97332 | 18496 | 247 | 617 | 75 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:51 | 51:47 | 0 | 0.991 | 232193 | 43954 | 94 | 235 | 468 | | |
| 429.7606 | 51:51 | 51:47 | 0 | 0.991 | 262475 | 50592 | 247 | 617 | 205 | 0.88(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | RQ |
| 427.7635 | 52:19 | 52:15 | 0 | 1.000 | 16914 | 3014 | 94 | 235 | 32 | | |
| | Empc Correction | | | | 14571 | 2953 | 94 | 235 | 31 | | |
| 429.7606 | 52:19 | 52:15 | 0 | 1.000 | 16372 | 3318 | 247 | 617 | 13 | 1.03(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:15 | 49:18 | -1 | 0.950 | 206850 | 40889 | 324 | 810 | 126 | | |
| 475.7619 | 49:15 | 49:18 | -1 | 0.950 | 267043 | 49827 | 320 | 800 | 156 | 0.77(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:04 | 54:06 | -1 | 1.043 | 149620 | 29362 | 324 | 810 | 91 | | |
| 475.7619 | 54:04 | 54:06 | -1 | 1.043 | 198029 | 38332 | 320 | 800 | 120 | 0.76(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:17 | 49:13 | 0 | 1.001 | 29834 | 5675 | 80 | 200 | 71 | | |
| 463.7216 | 49:16 | 49:13 | 0 | 1.000 | 40057 | 8268 | 186 | 465 | 44 | 0.74(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:13 | 50:09 | 0 | 1.019 | 14592 | 2923 | 80 | 200 | 37 | | |
| 463.7216 | 50:13 | 50:09 | 0 | 1.019 | 17260 | 3598 | 186 | 465 | 19 | 0.85(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | RQMa |
| 461.7246 | 54:03 | 54:03 | -1 | 1.000 | 183510 | 51176 | 80 | 200 | 640 | | M |
| | Empc Correction | | | | 106085 | 23861 | 80 | 200 | 298 | | |
| 463.7216 | 54:05 | 54:03 | 0 | 1.000 | 137773 | 30989 | 186 | 465 | 167 | 1.33(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:42 | 55:45 | -1 | 1.075 | 153709 | 26594 | 115 | 287 | 231 | | |
| 509.7229 | 55:42 | 55:45 | -1 | 1.075 | 223112 | 39827 | 120 | 300 | 332 | 0.69(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:43 | 55:40 | 0 | 1.000 | 60940 | 10688 | 23 | 57 | 465 | | |
| 497.6826 | 55:43 | 55:40 | 0 | 1.000 | 85290 | 15907 | 17 | 42 | 936 | 0.71(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

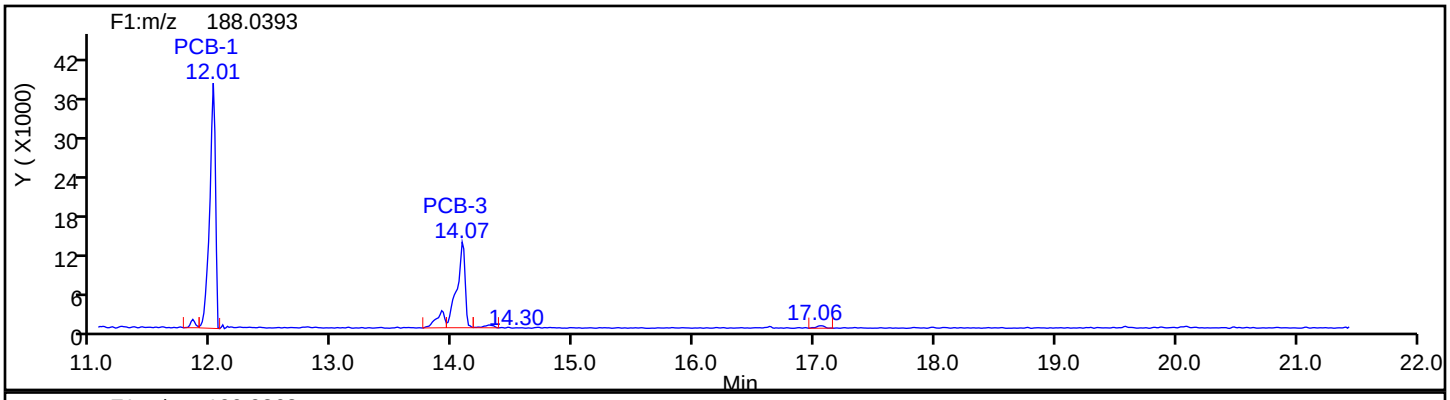
U - Marked Undetected

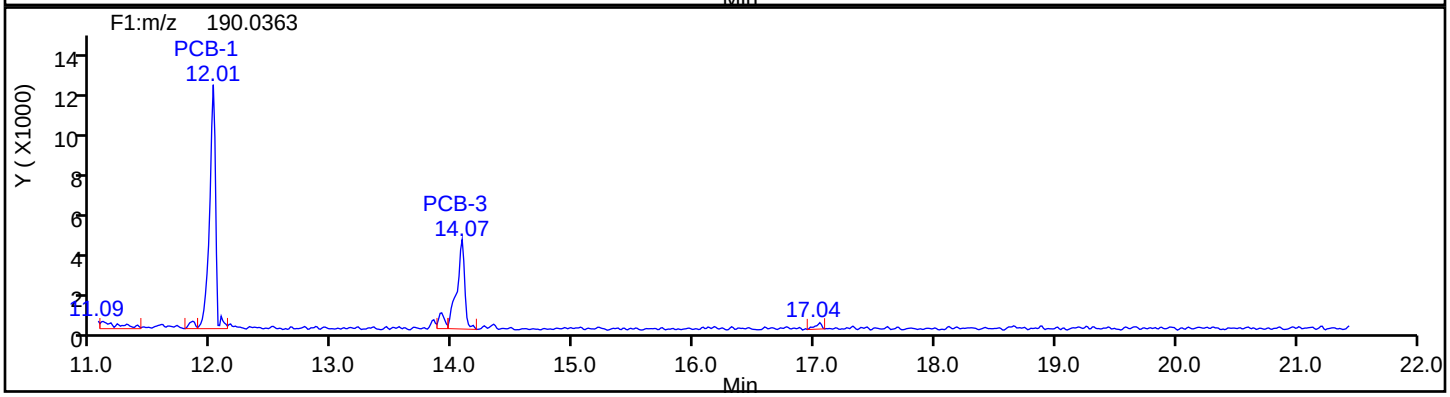
a - User Assigned ID

Eurofins TestAmerica, Knoxville

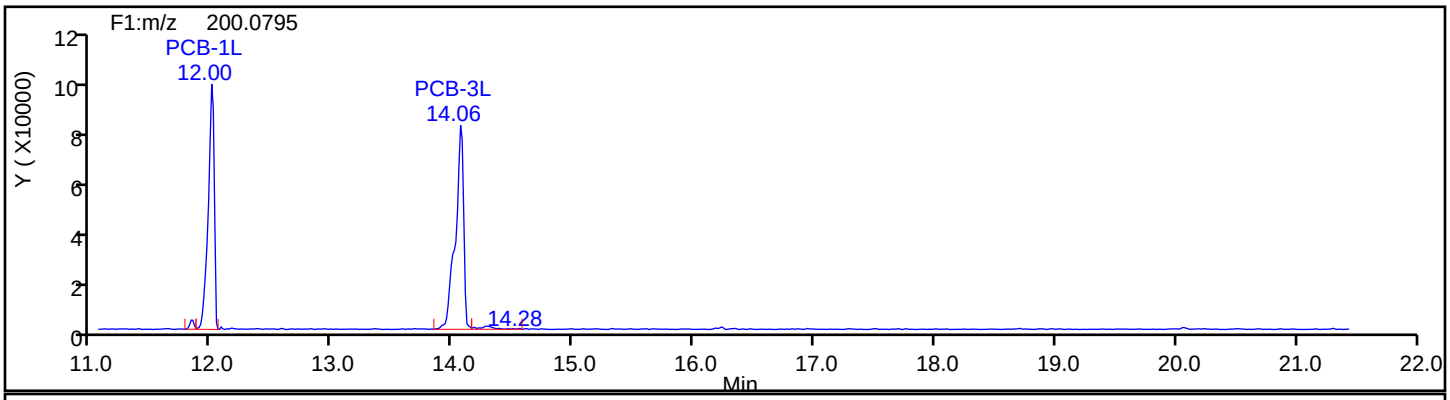
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

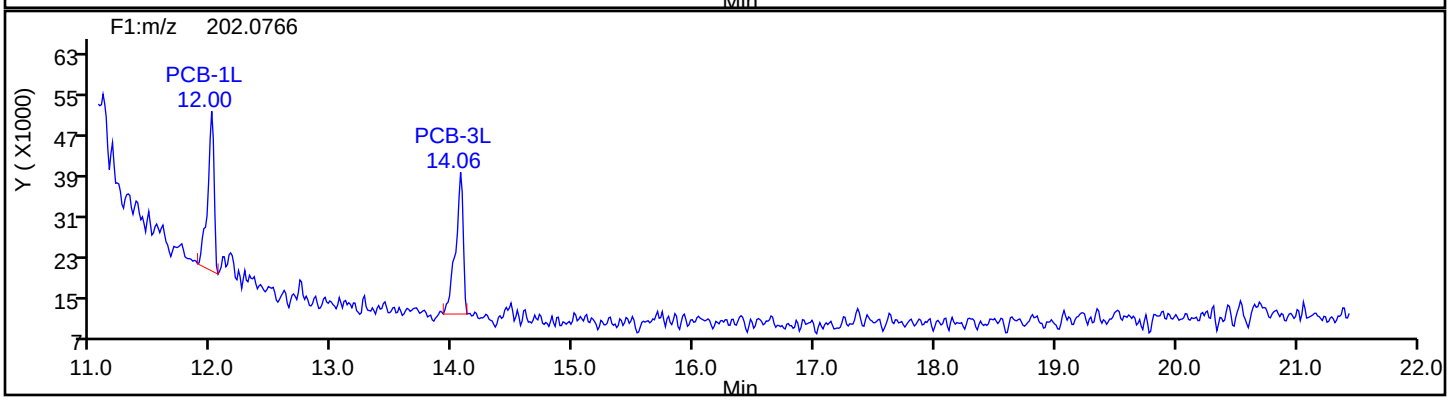
MoPCB F1




MoPCB F1 Standards

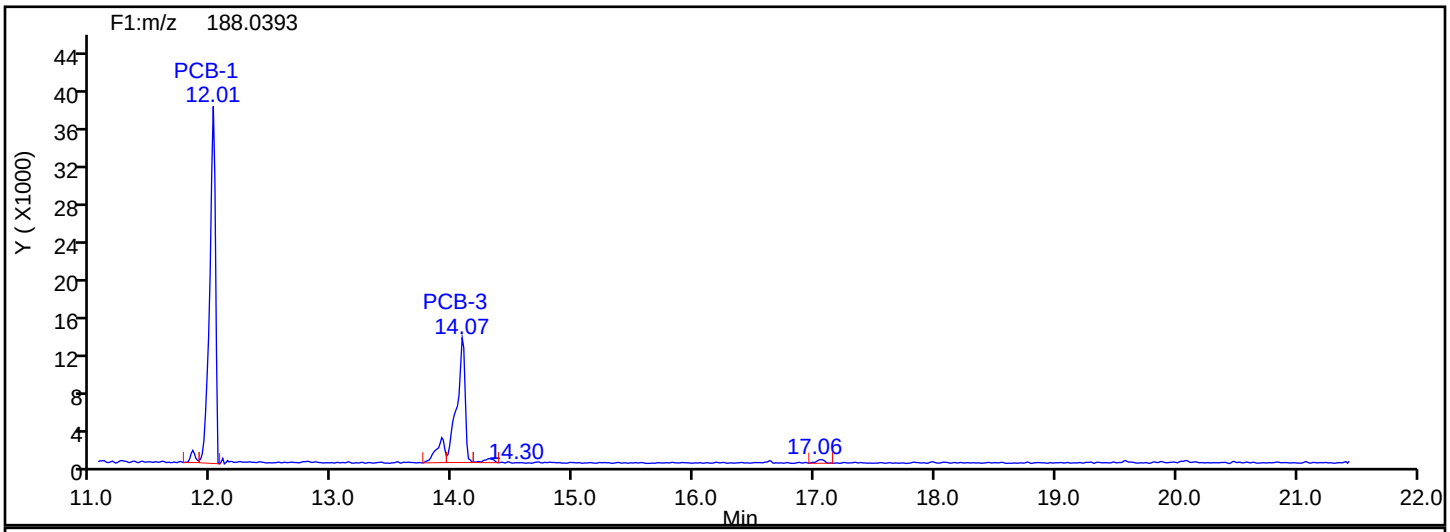


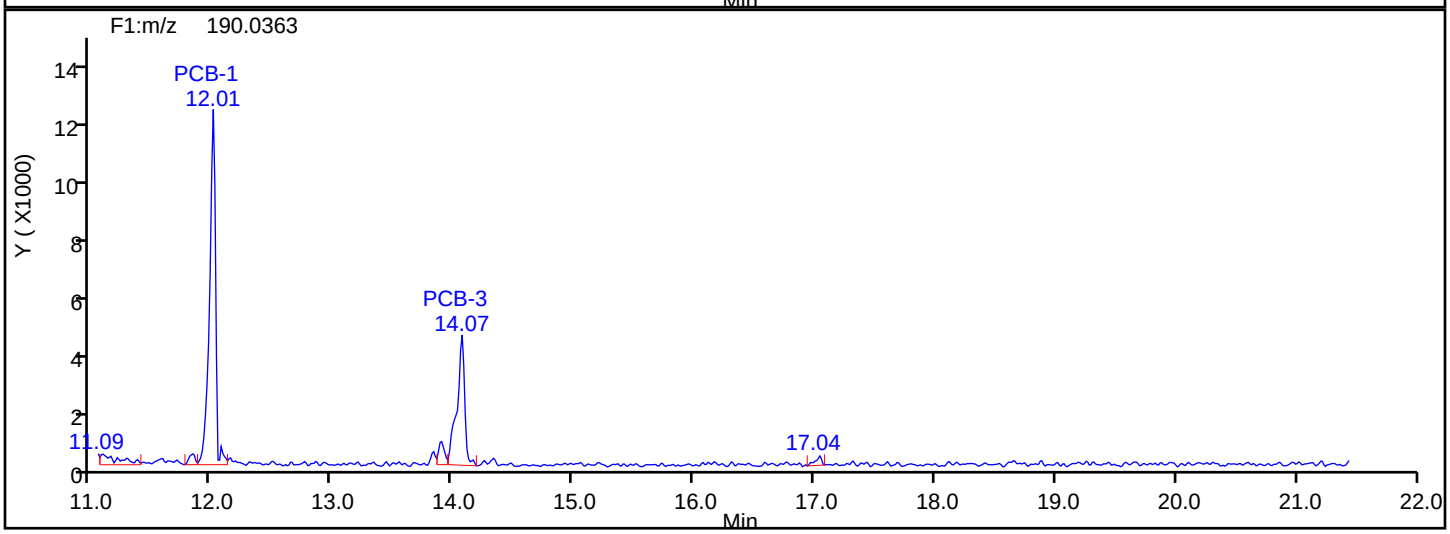



Eurofins TestAmerica, Knoxville

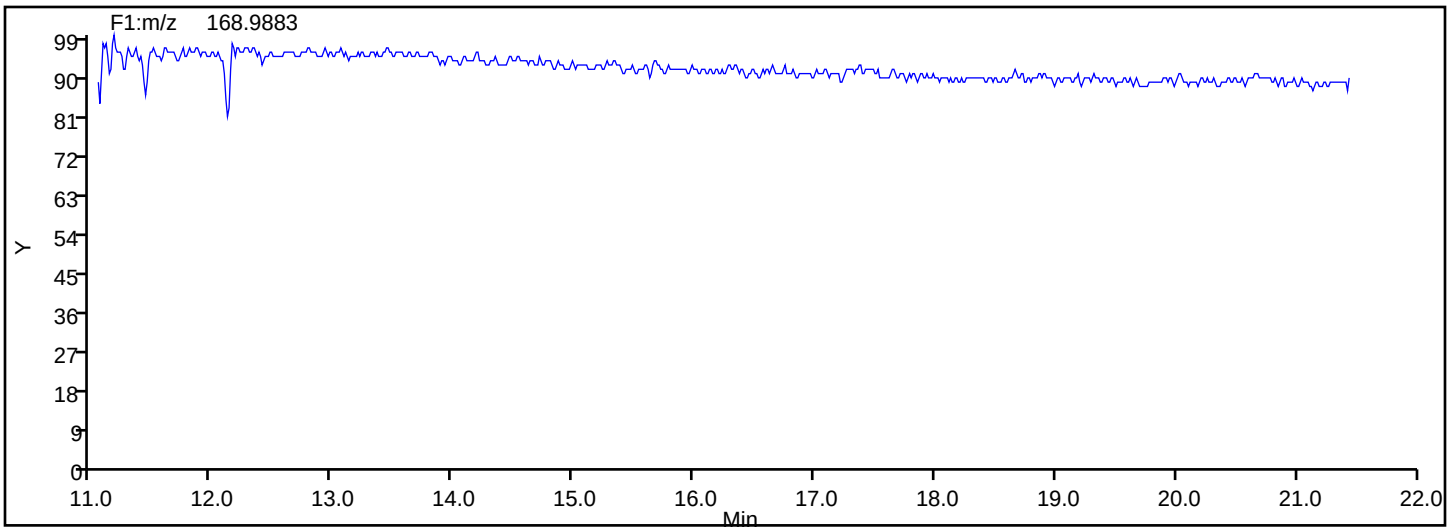
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

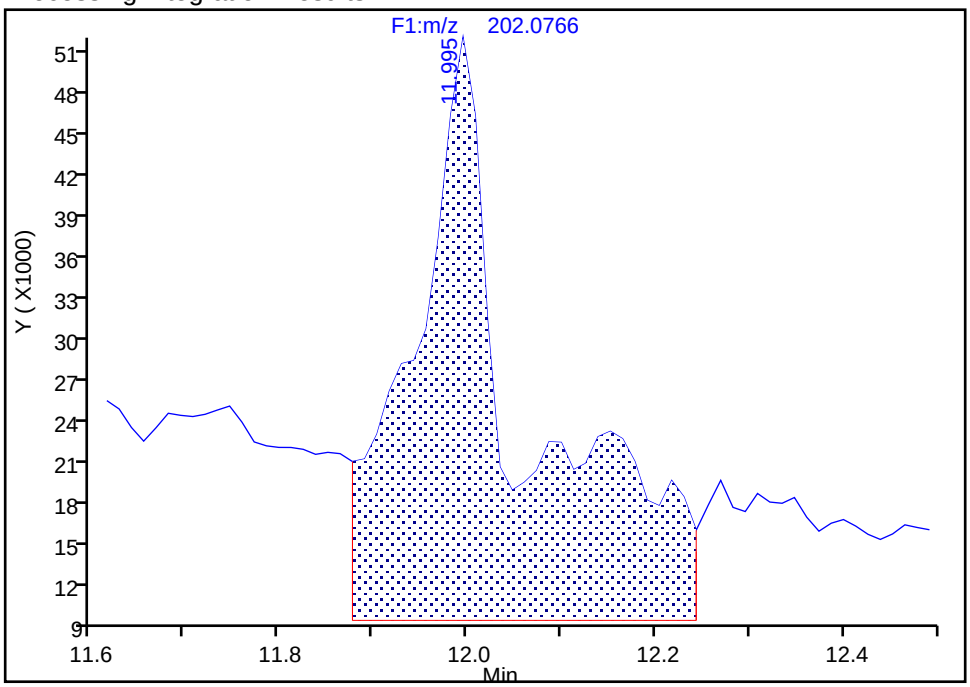
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

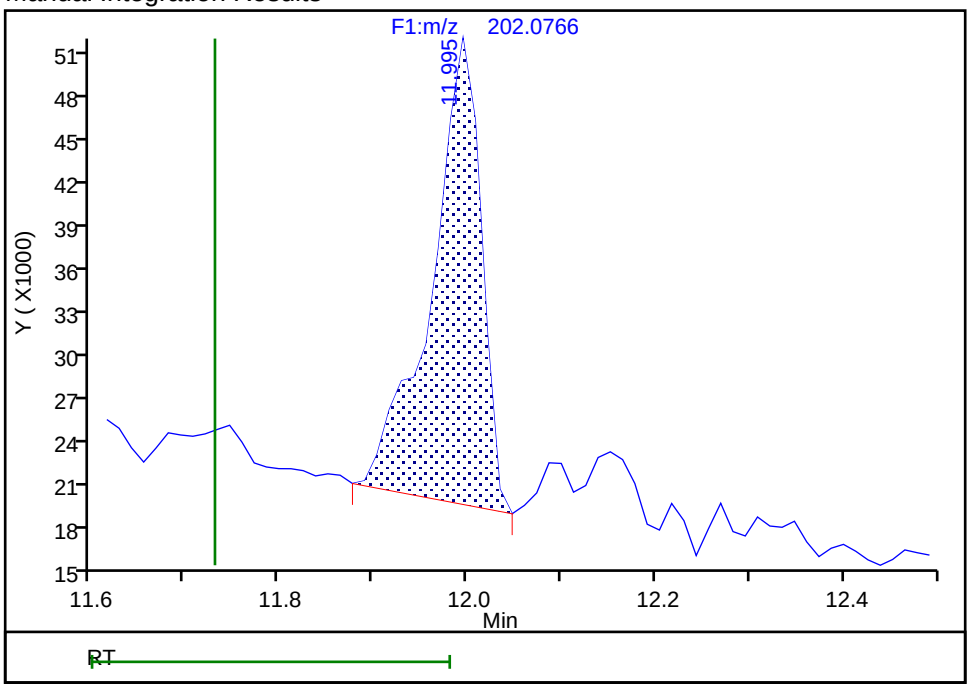
Processing Integration Results

RT: 12.00
Area: 345618
Amount: 17.374889
Amount Units: pg/ul




Manual Integration Results

RT: 12.00
Area: 115441
Amount: 11.599802
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:12:43

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

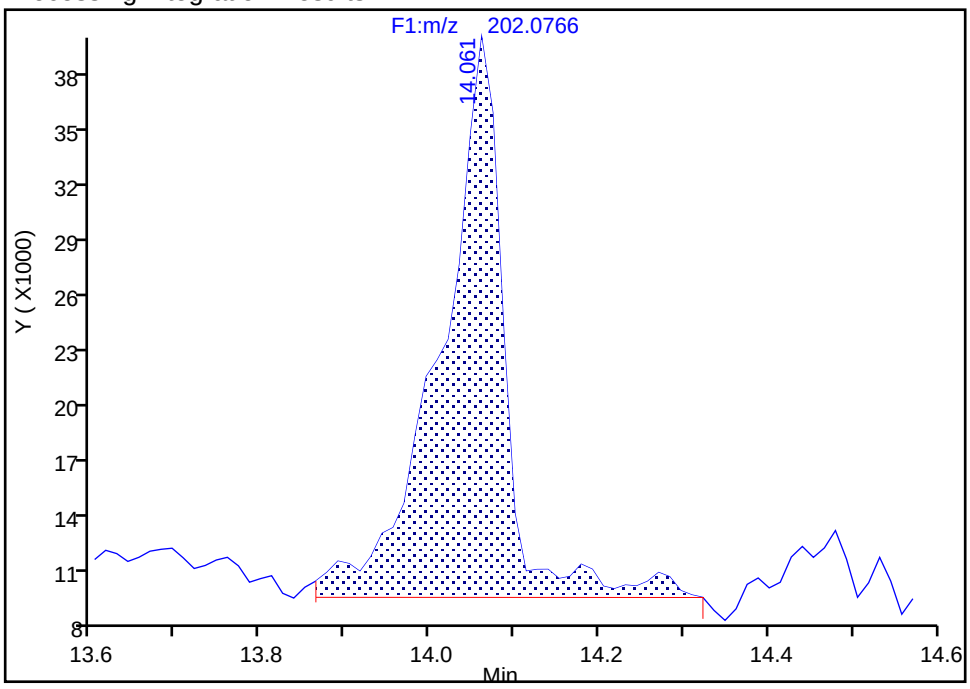
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 2

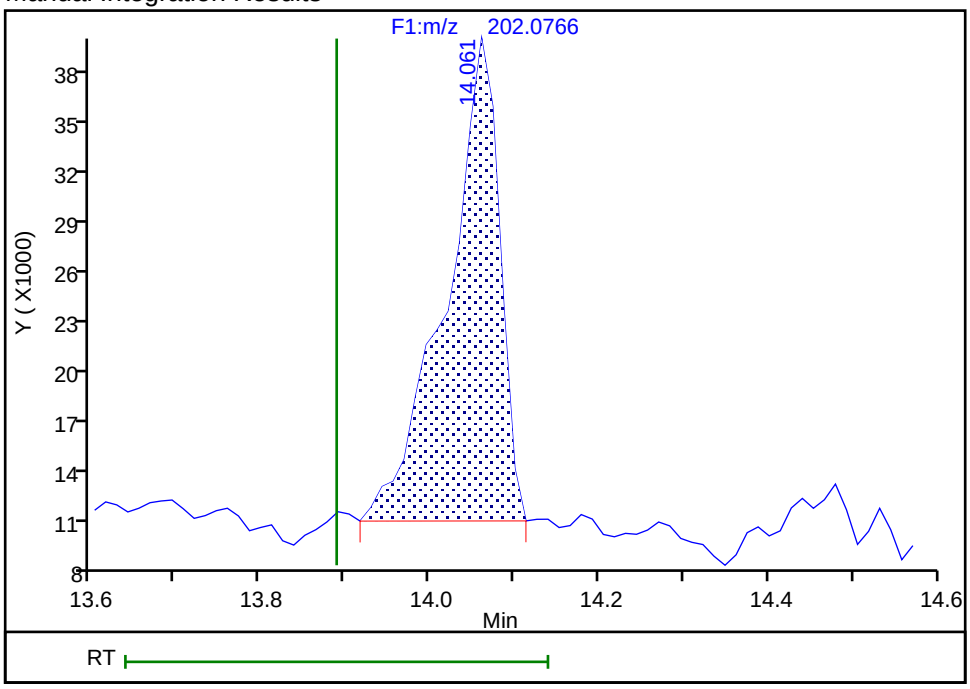
Processing Integration Results

RT: 14.06
Area: 154262
Amount: 13.263603
Amount Units: pg/ul




Manual Integration Results

RT: 14.06
Area: 121919
Amount: 12.480435
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:12:53

Audit Action: Manually Integrated Audit Reason: Baseline

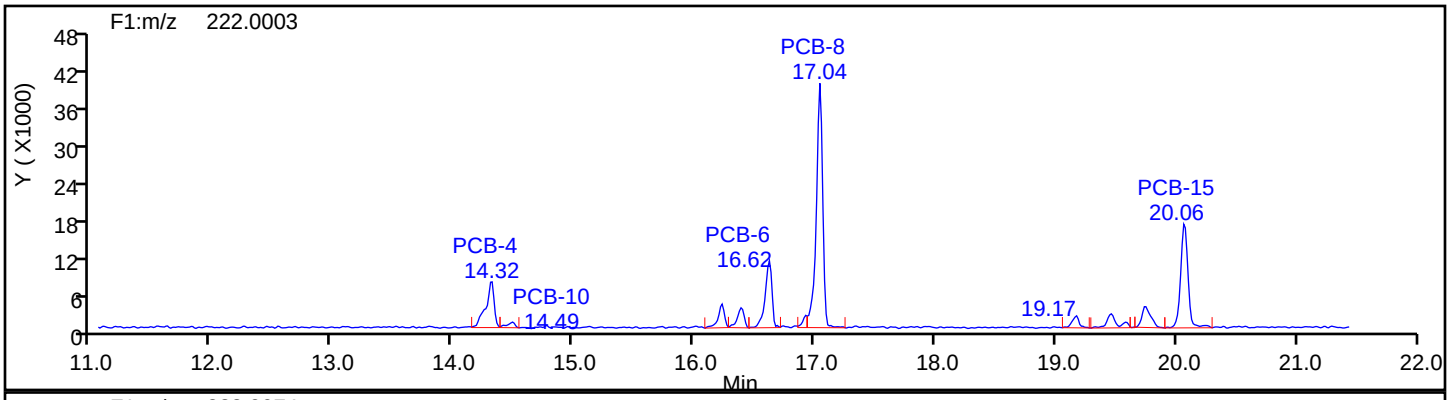
Report Date: 04-Oct-2019 14:14:41 Chrom Revision: 2.3 17-Sep-2019 16:19:08

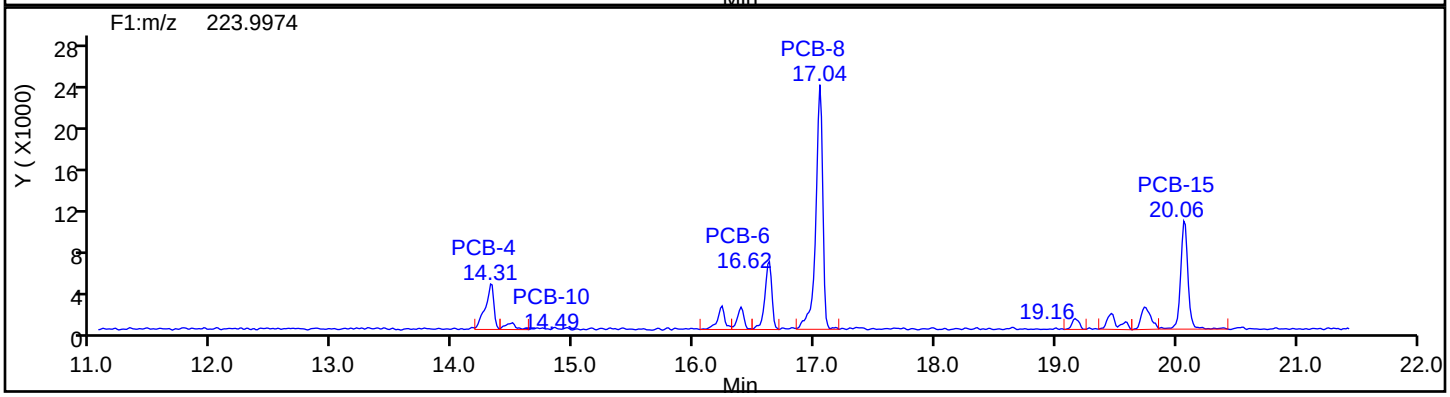
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d

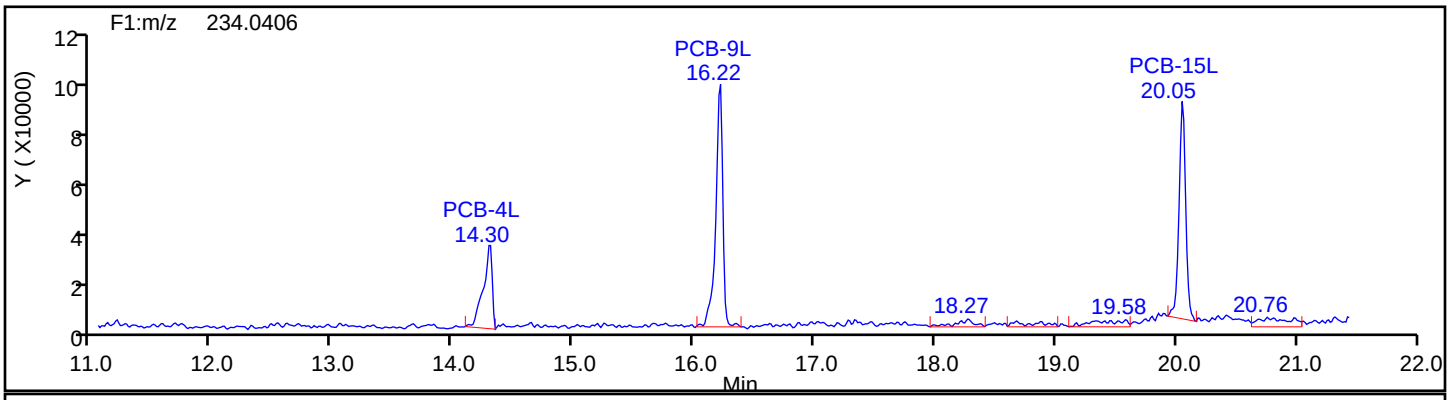
| | | | |
|---|---|---|---|
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

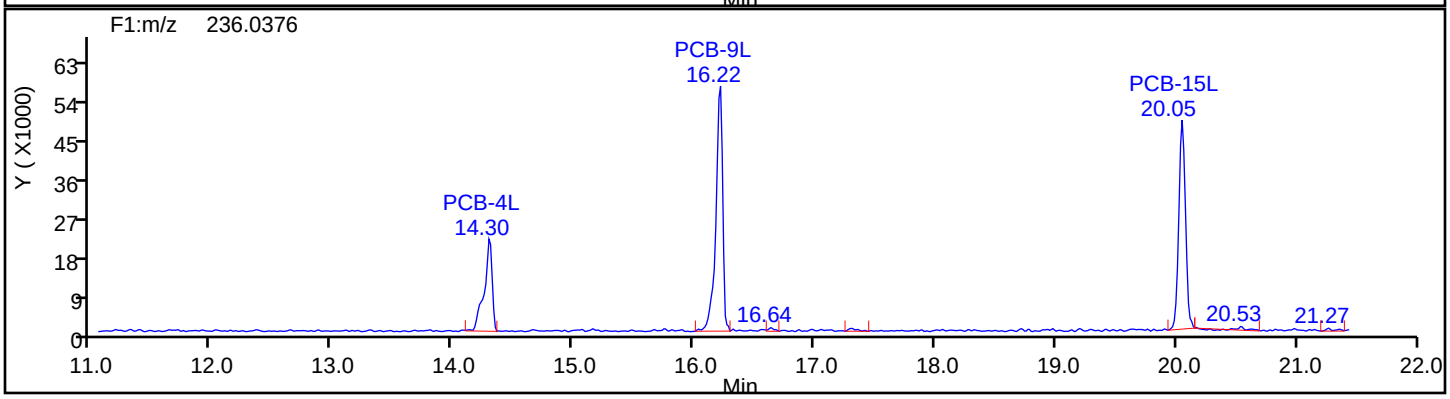
DiPCB F1




DiPCB F1 Standards

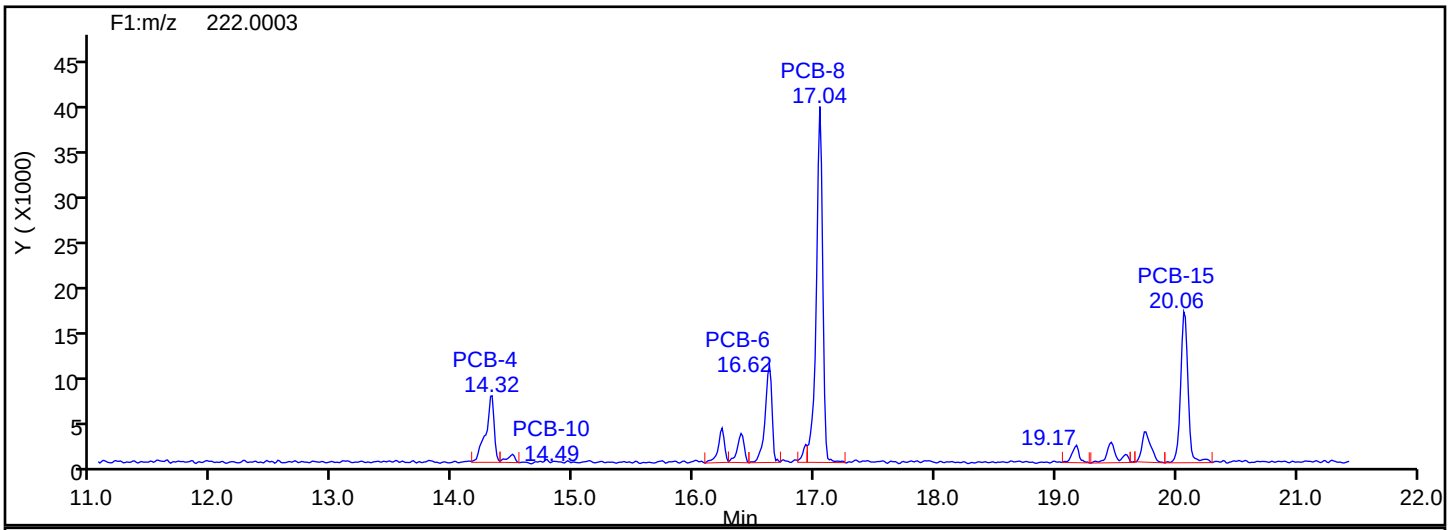


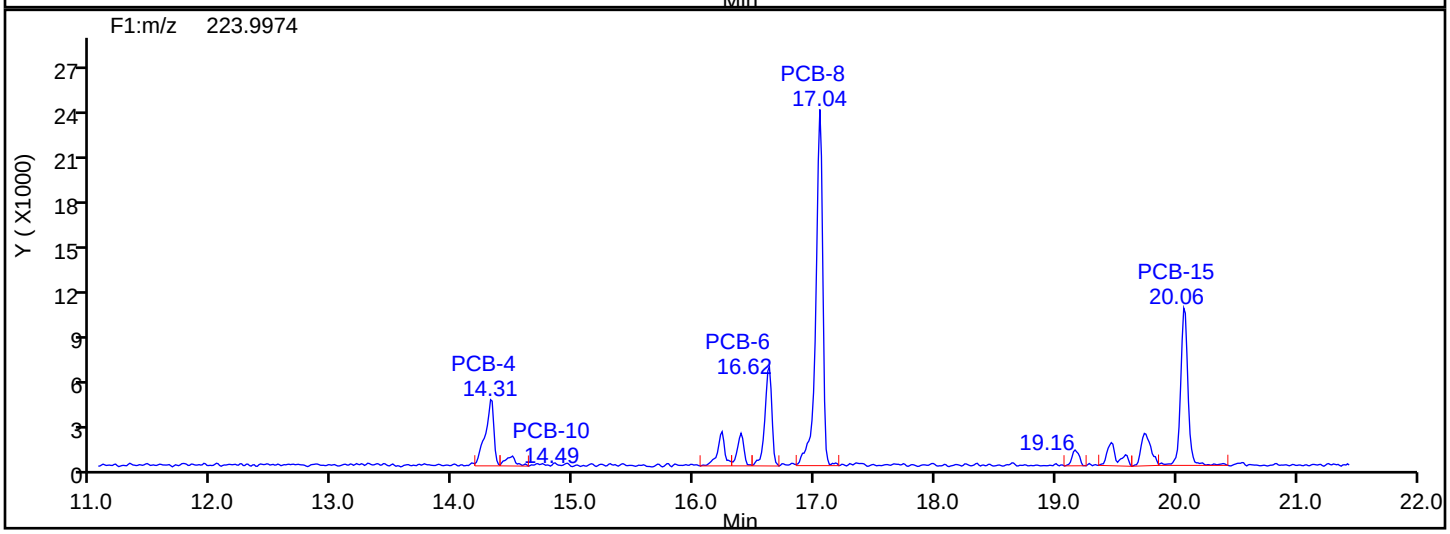



Eurofins TestAmerica, Knoxville

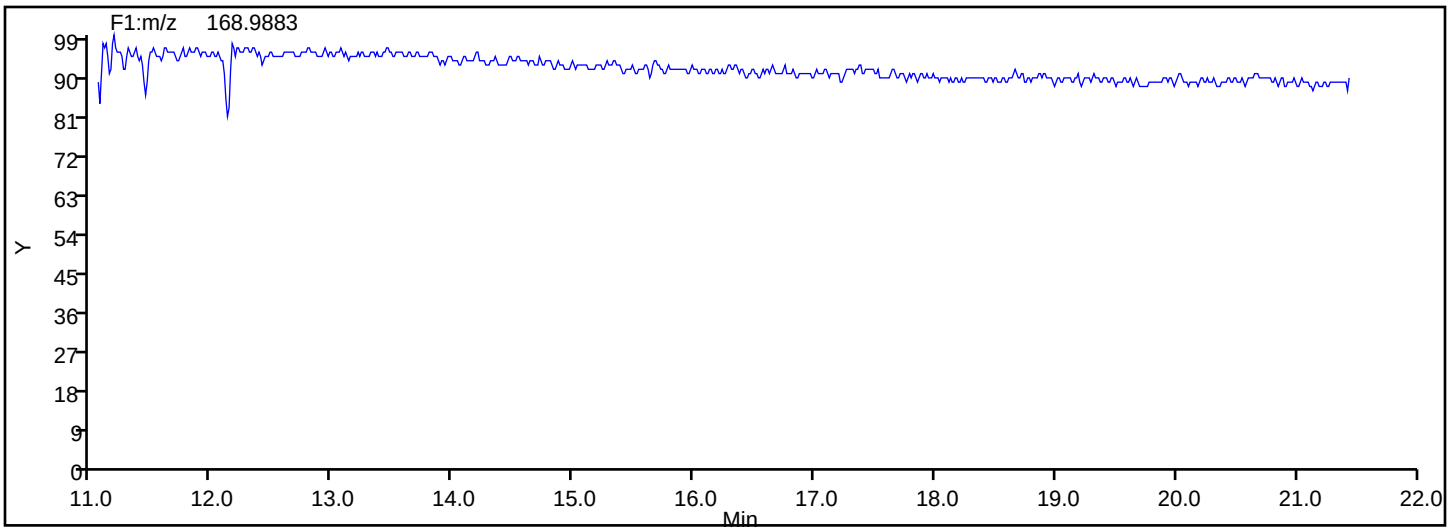
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

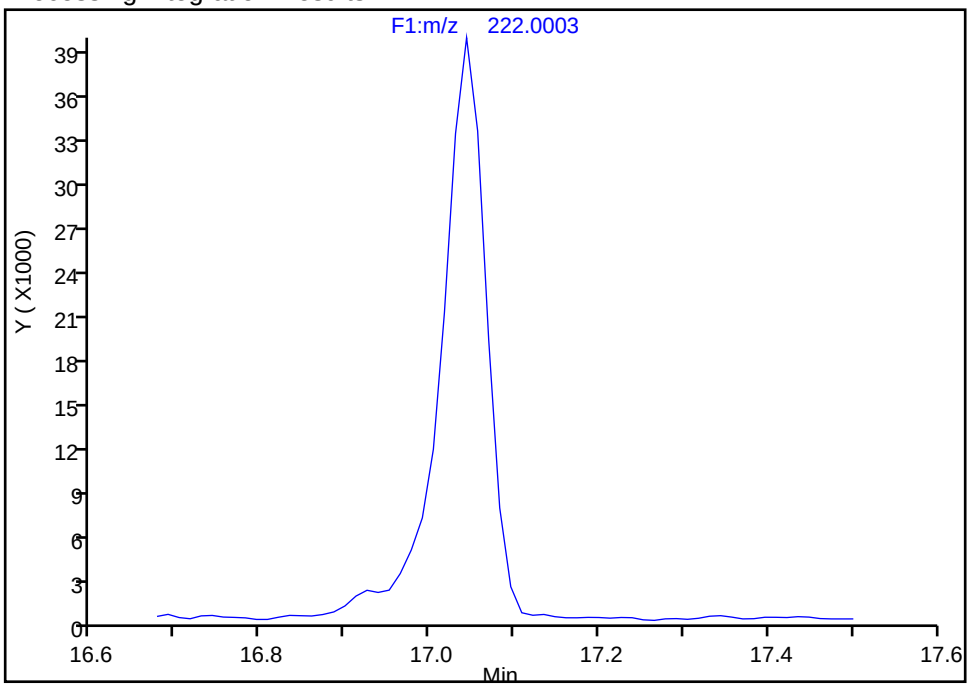
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

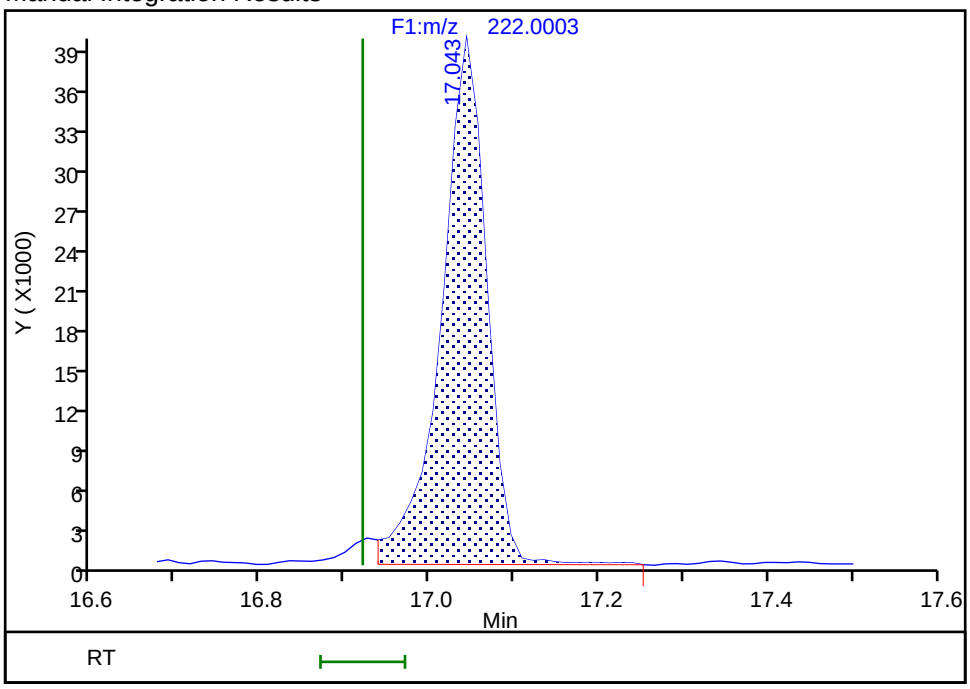
Not Detected
Expected RT: 16.92

Processing Integration Results




Manual Integration Results

RT: 17.04
Area: 146588
Amount: 7.821874
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:55:57
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

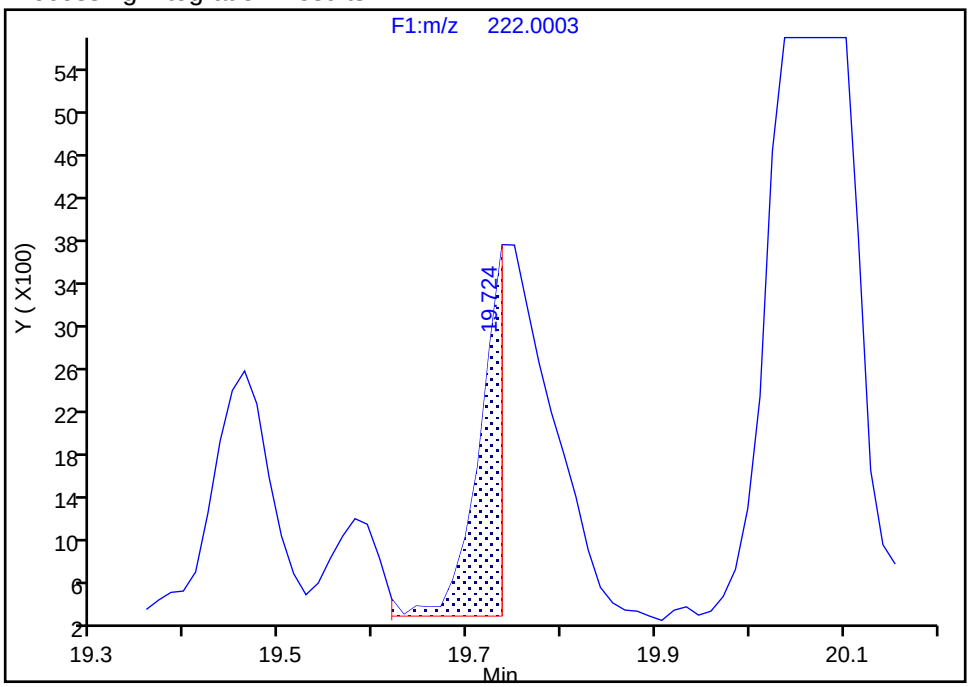
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

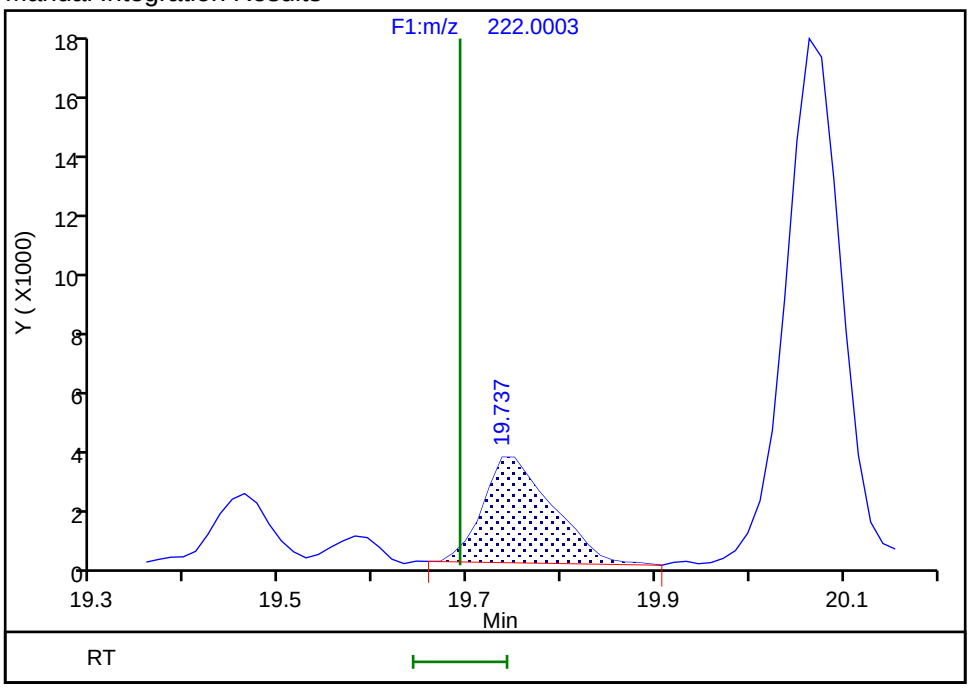
Processing Integration Results

RT: 19.72
Area: 5452
Amount: 0.485788
Amount Units: pg/ul




Manual Integration Results

RT: 19.74
Area: 17330
Amount: 0.925999
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:56:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

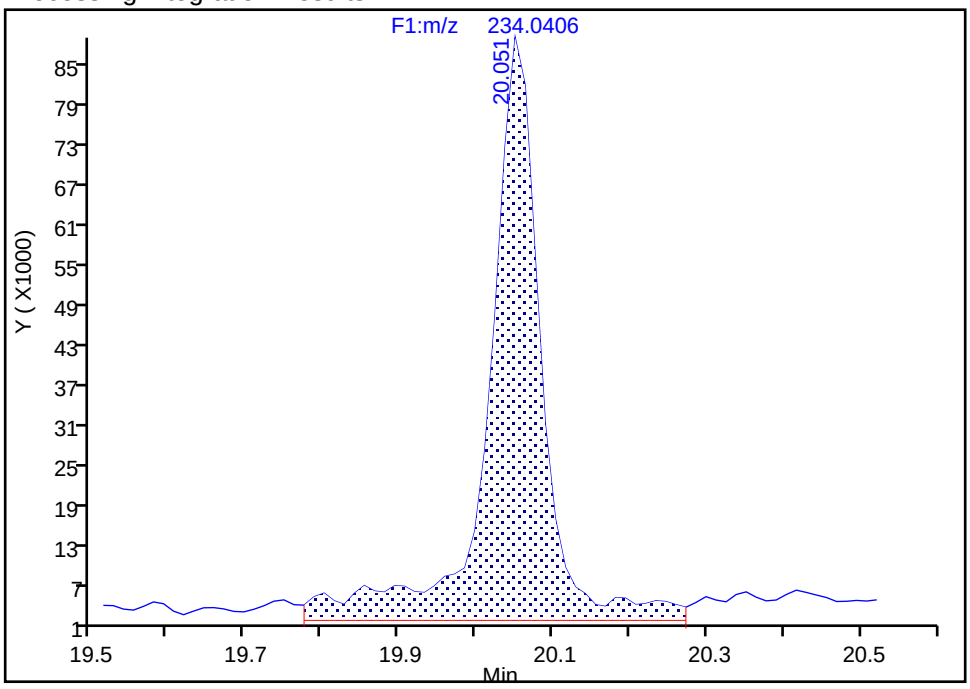
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 1

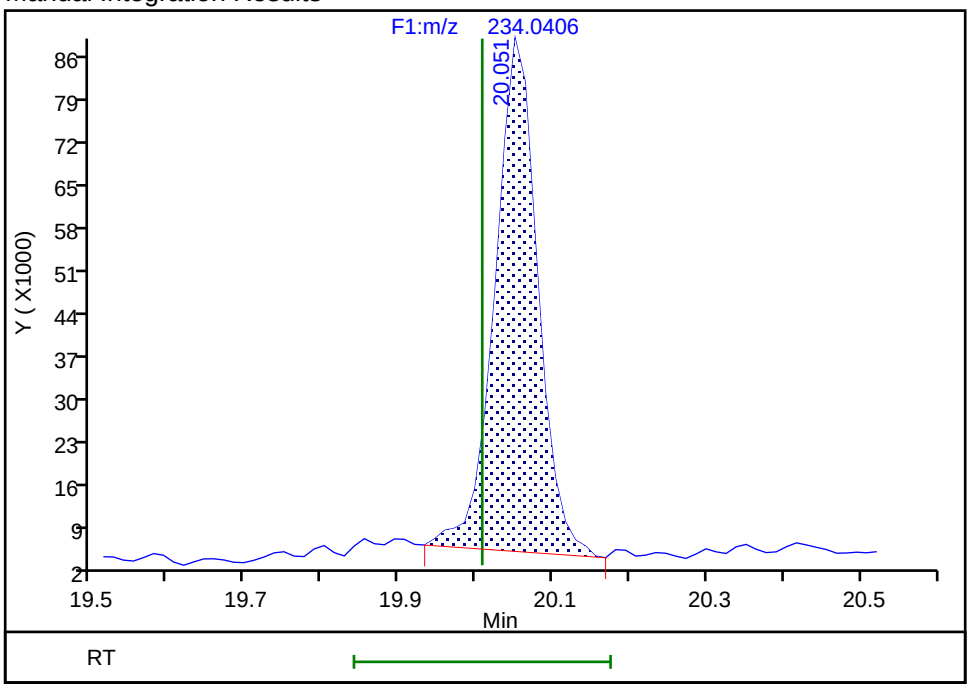
Processing Integration Results

RT: 20.05
Area: 421136
Amount: 20.175074
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 322891
Amount: 16.430148
Amount Units: pg/ul




Reviewer: davidsonm, 04-Oct-2019 14:13:10

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

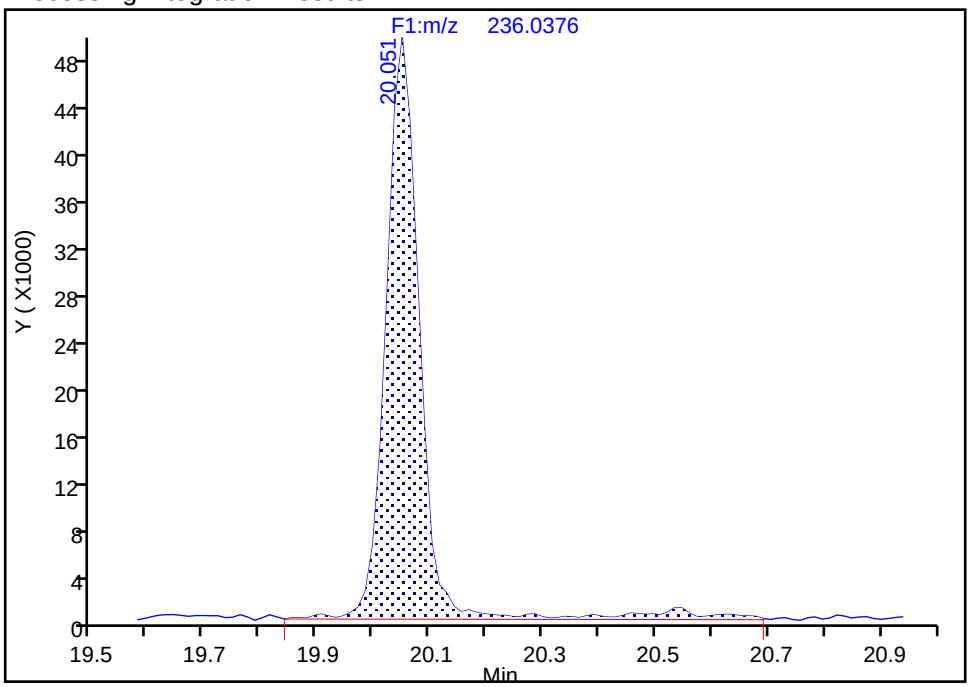
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15L, CAS: 208263-67-6

Signal: 2

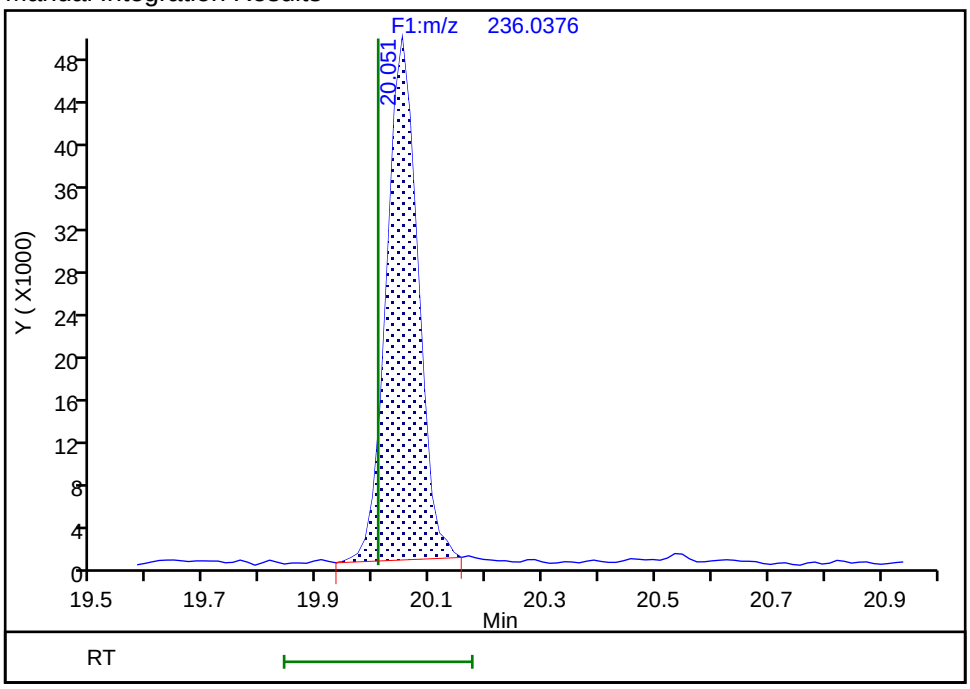
Processing Integration Results

RT: 20.05
Area: 207967
Amount: 20.175074
Amount Units: pg/ul




Manual Integration Results

RT: 20.05
Area: 189437
Amount: 16.430148
Amount Units: pg/ul



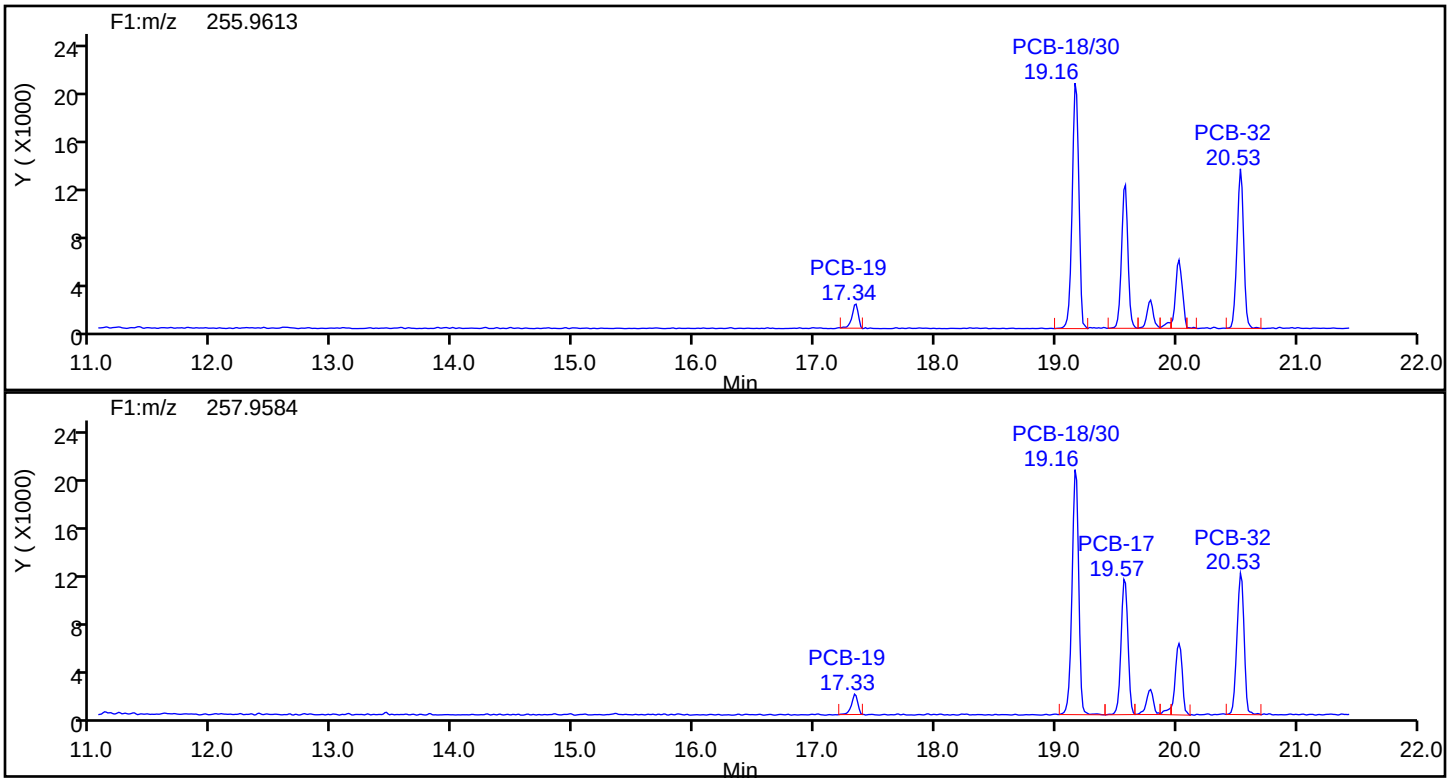

Reviewer: davidsonm, 04-Oct-2019 14:13:15

Audit Action: Manually Integrated Audit Reason: Baseline

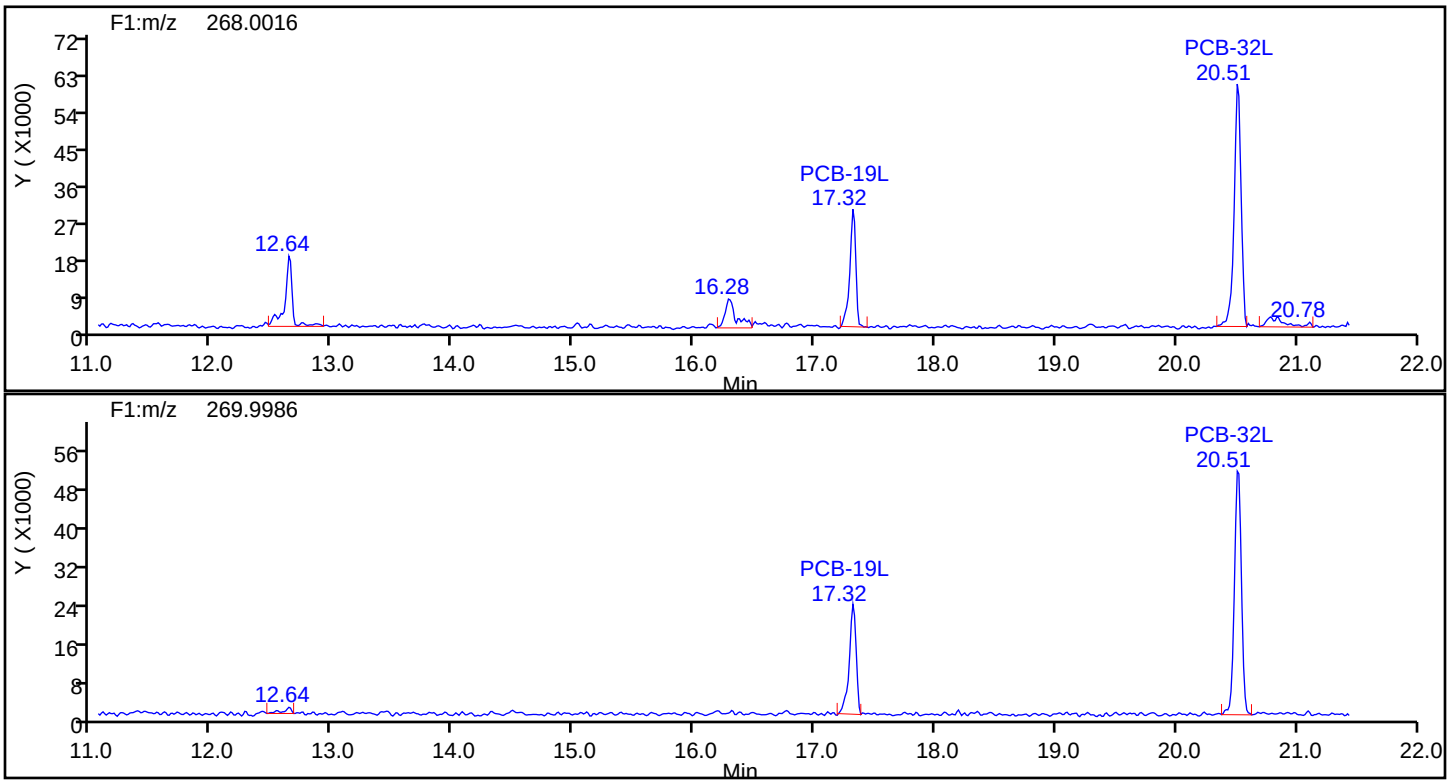
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



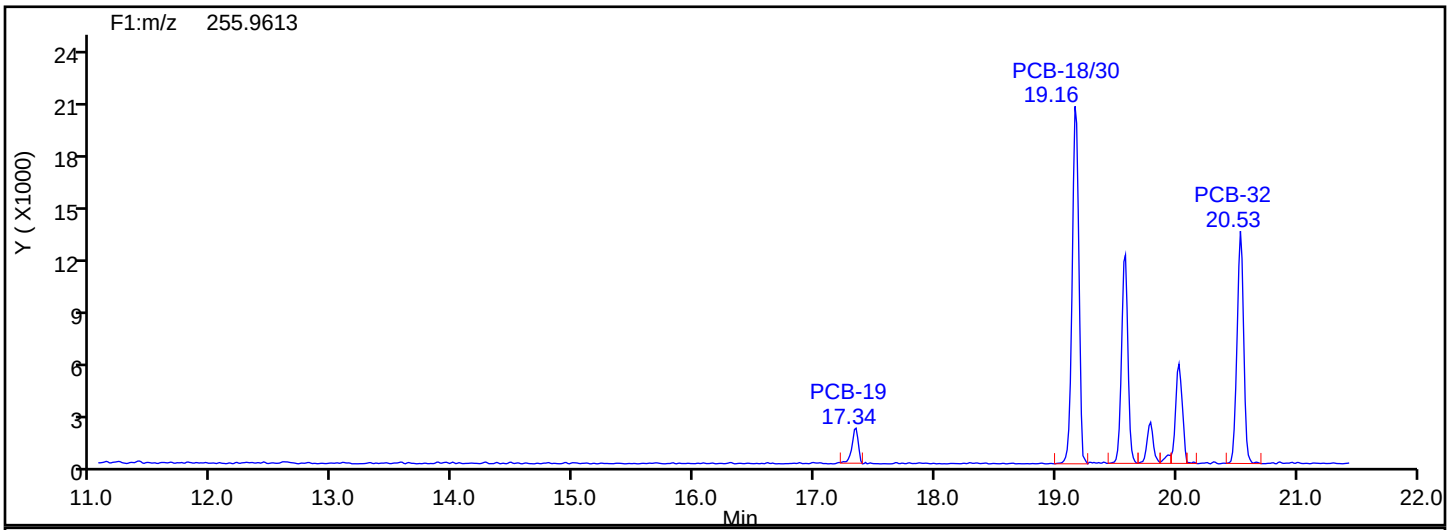

TriPCB F1 Standards

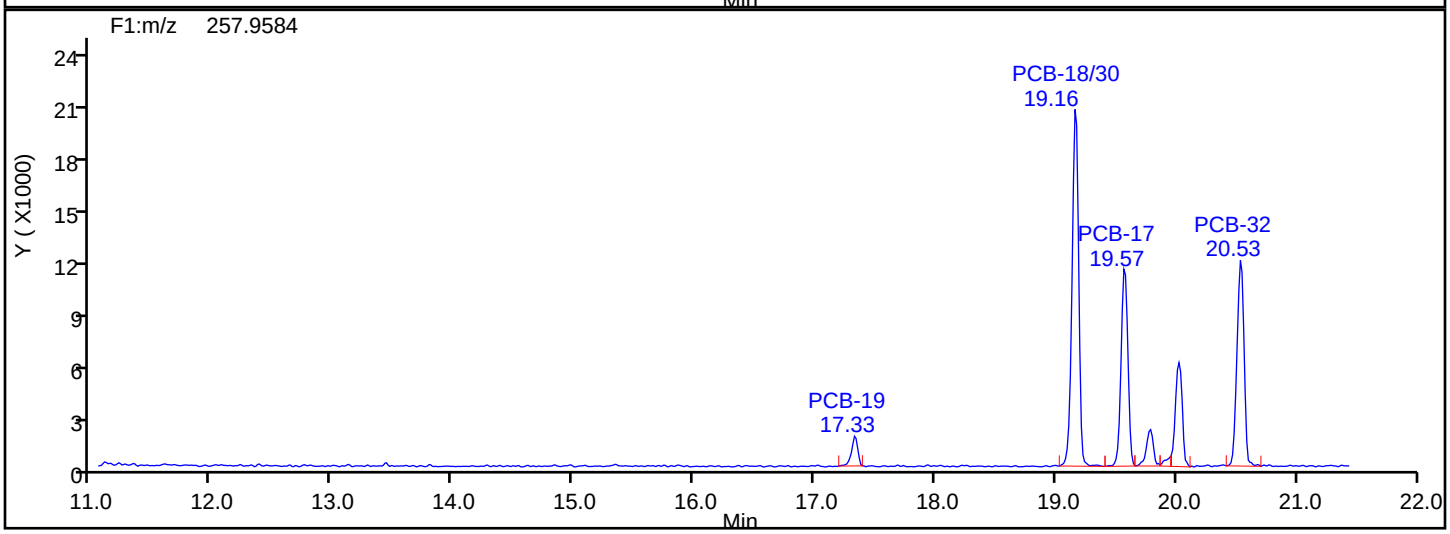


Eurofins TestAmerica, Knoxville

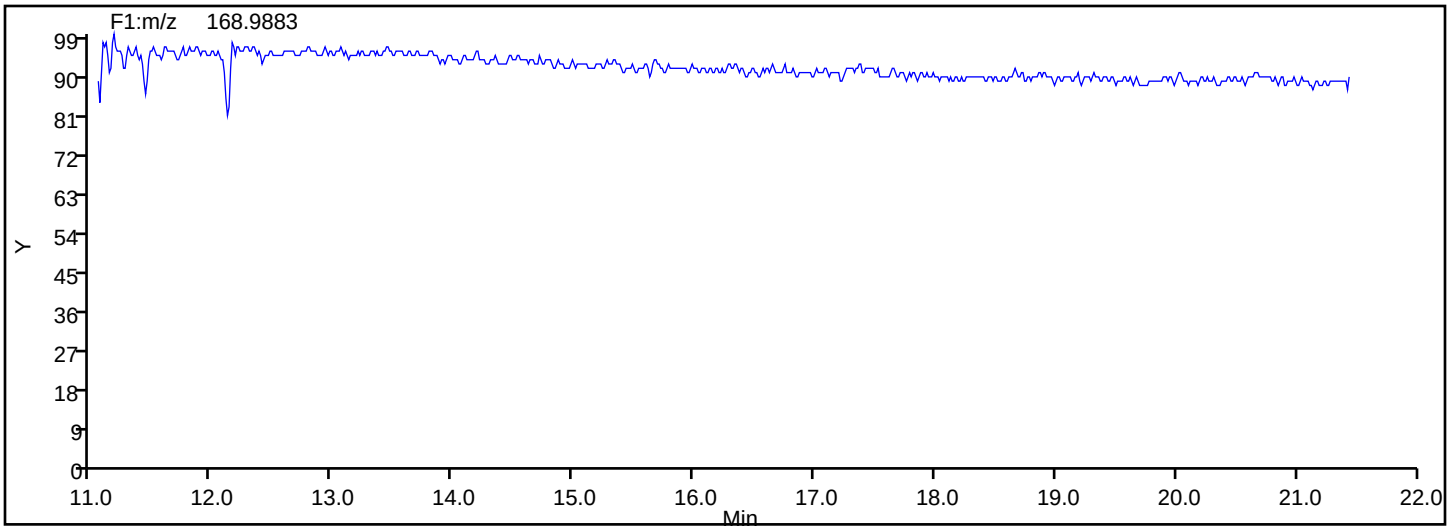
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

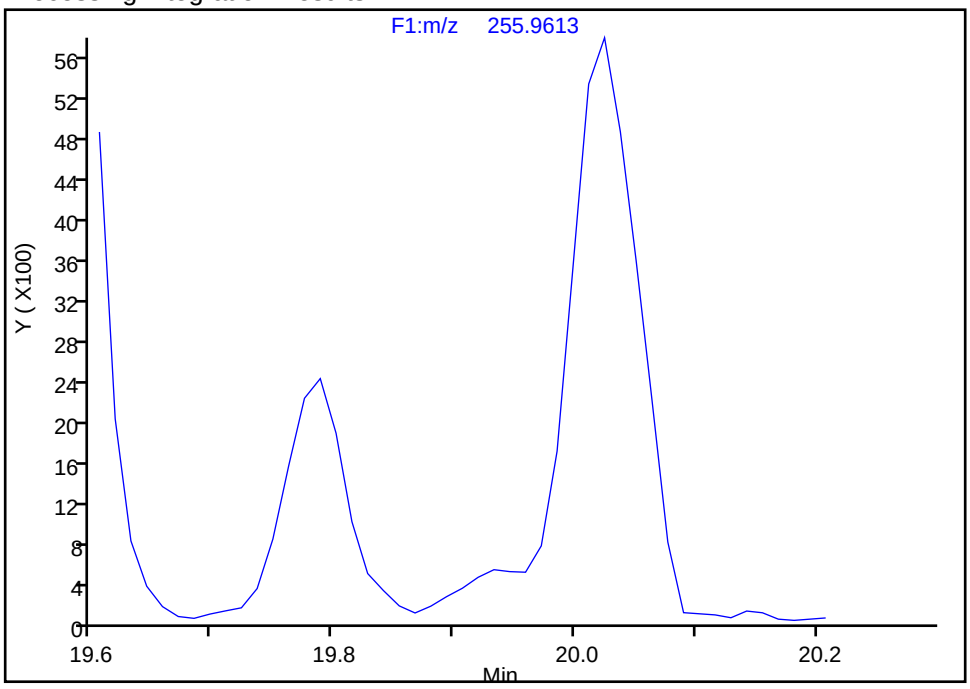
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

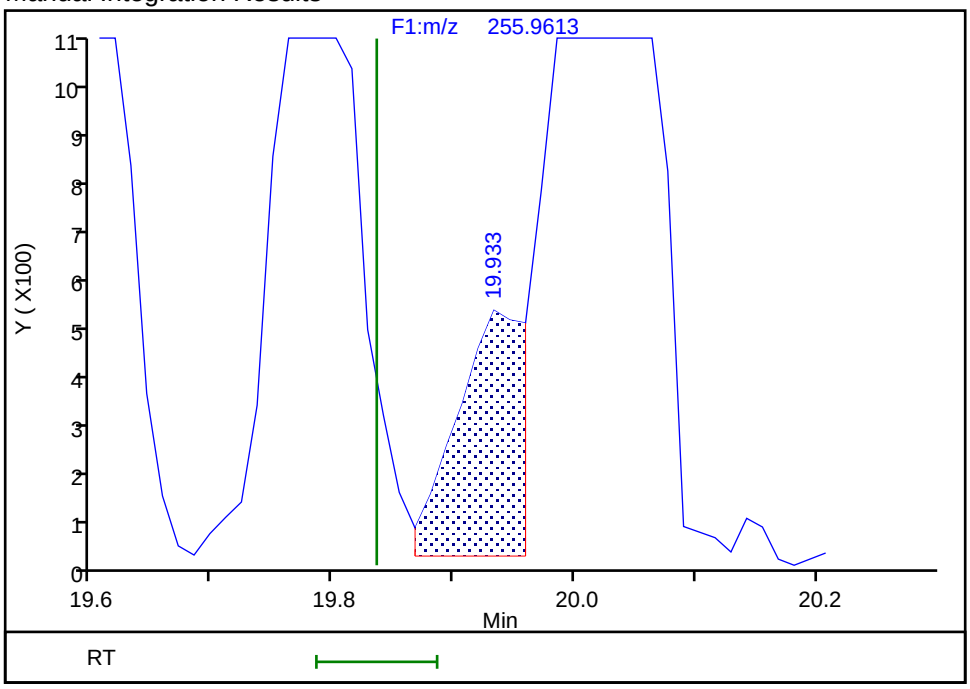
Not Detected
Expected RT: 19.84

Processing Integration Results




Manual Integration Results

RT: 19.93
Area: 1761
Amount: 0.175998
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:57:34
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

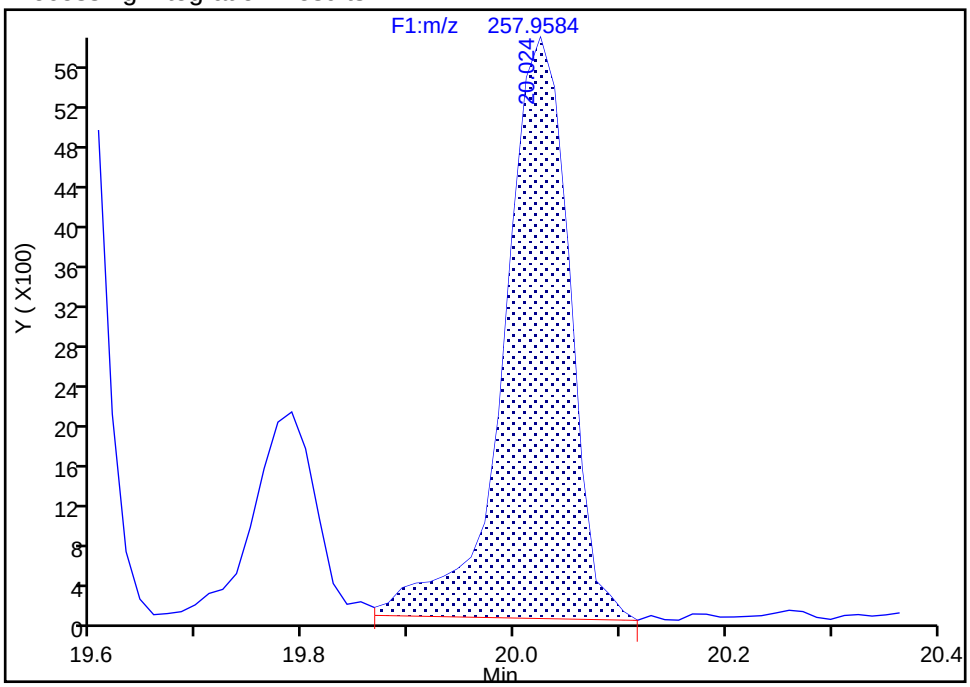
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 2

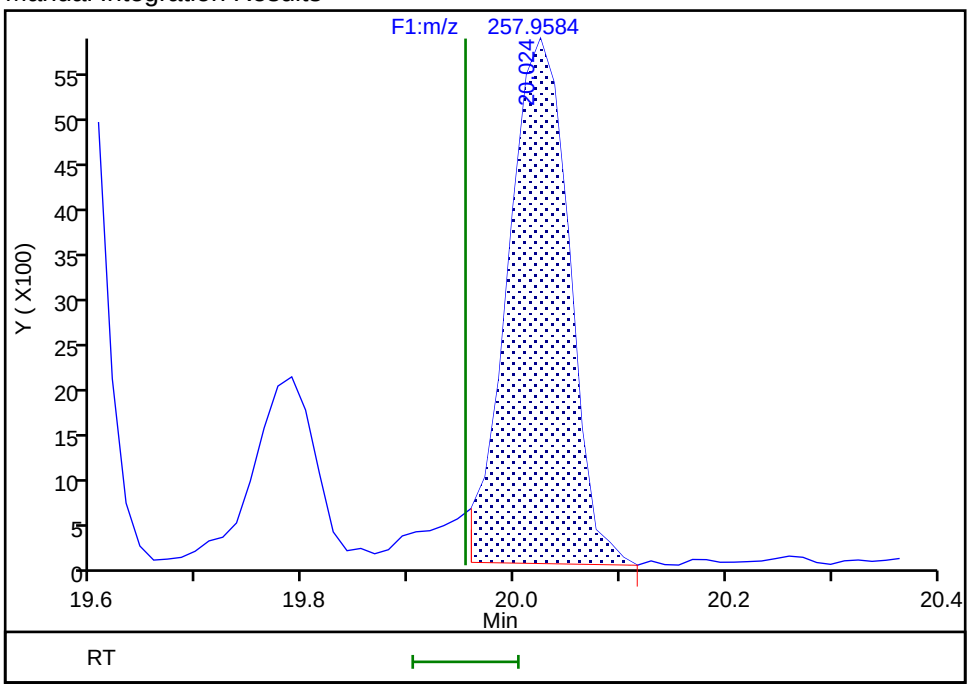
Processing Integration Results

RT: 20.02
Area: 25112
Amount: 4.038230
Amount Units: pg/ul




Manual Integration Results

RT: 20.02
Area: 23312
Amount: 3.866800
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:57:19

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

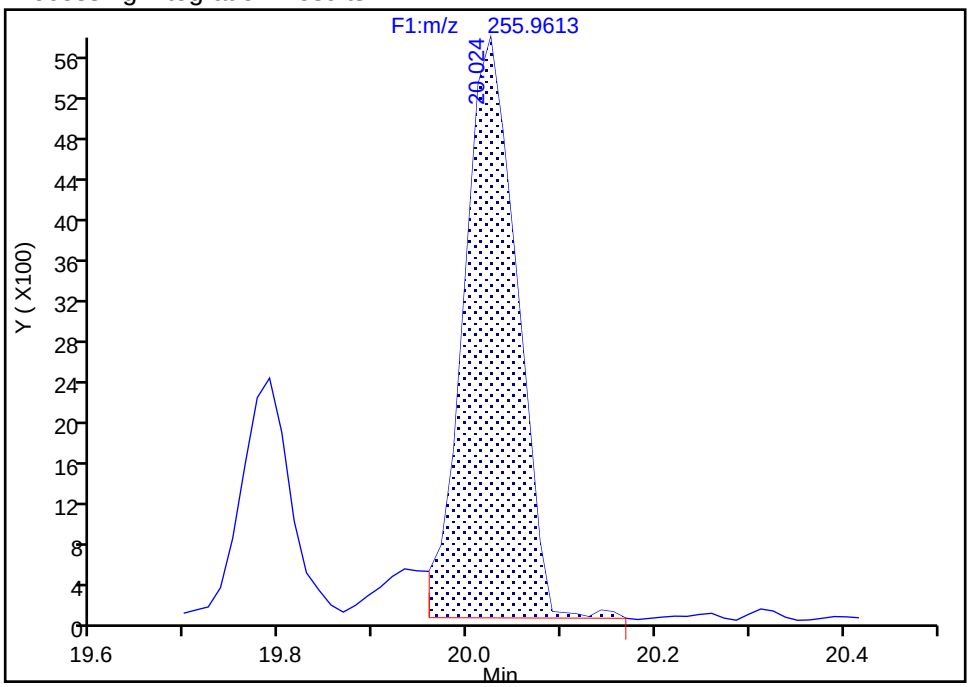
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

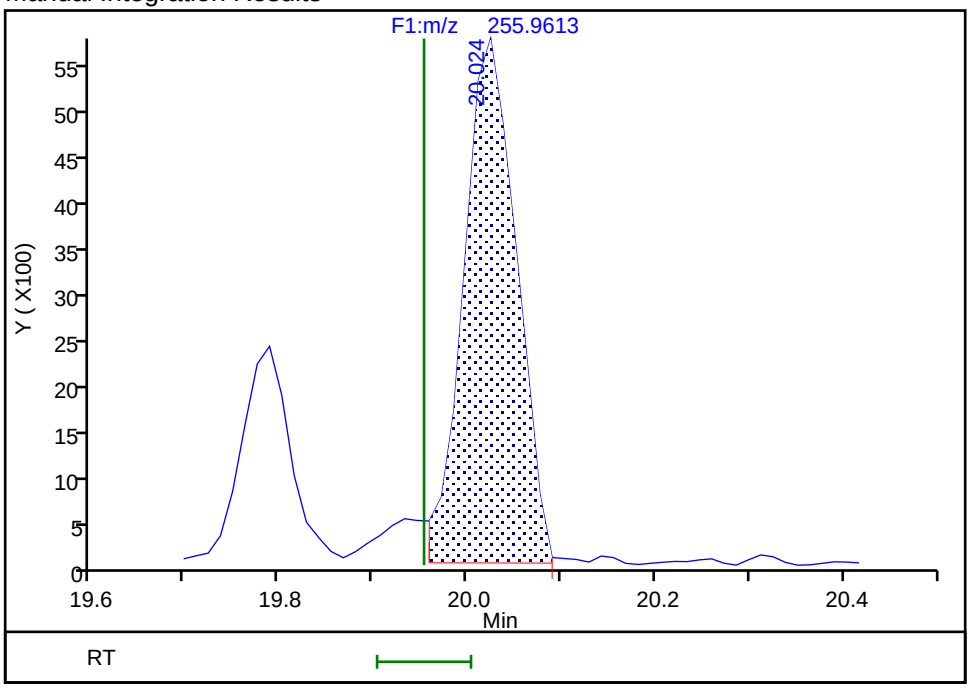
Processing Integration Results

RT: 20.02
Area: 22495
Amount: 4.038230
Amount Units: pg/ul




Manual Integration Results

RT: 20.02
Area: 22274
Amount: 3.866800
Amount Units: pg/ul



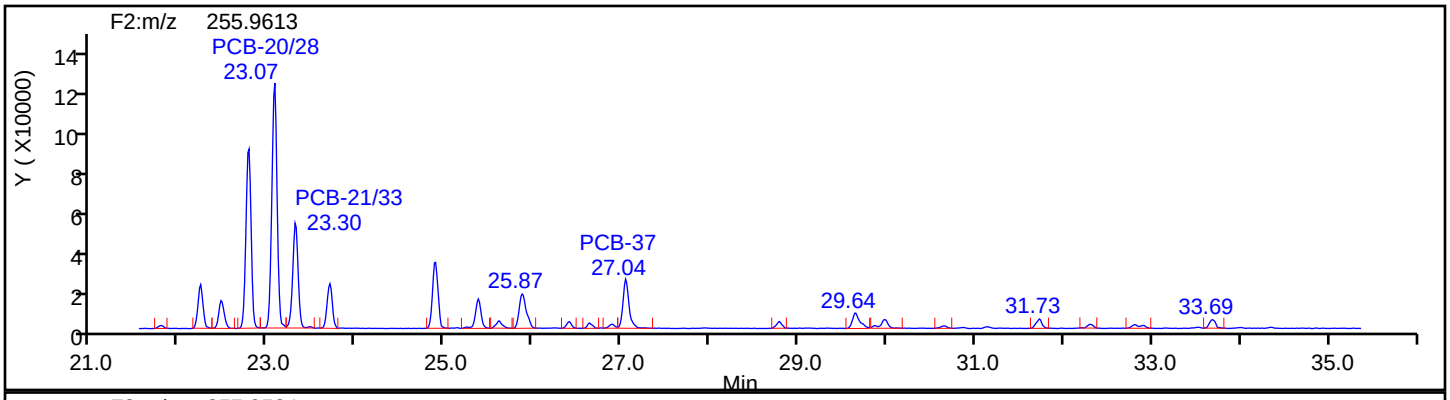

Reviewer: layk, 04-Oct-2019 10:57:27

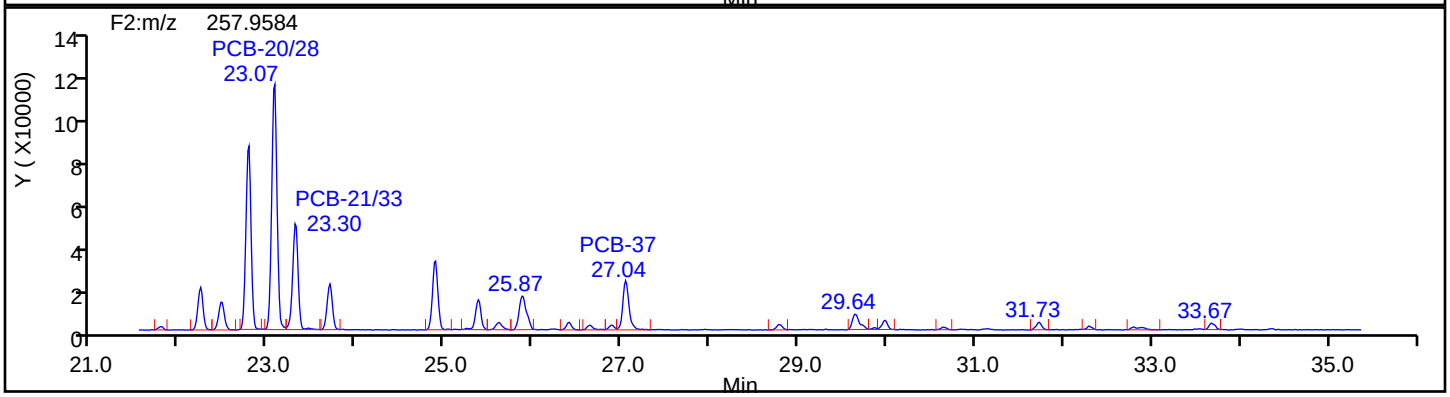
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

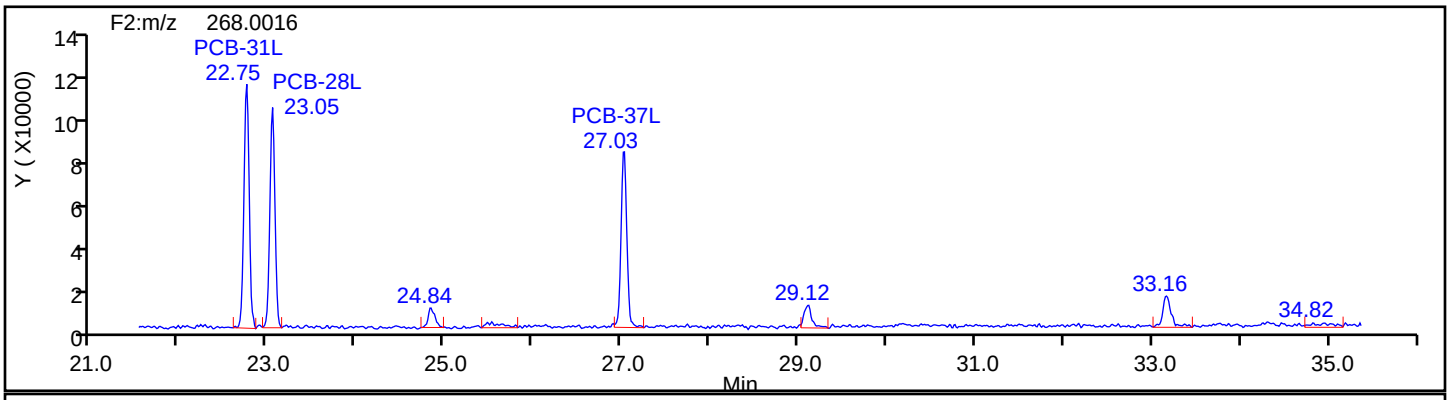
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

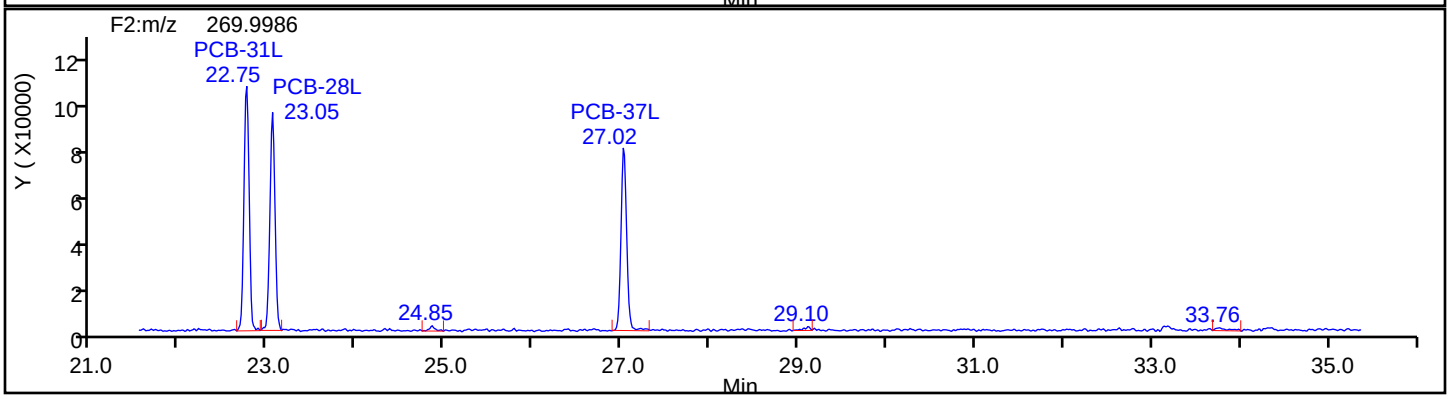
TriPCB F2




TriPCB F2 Standards

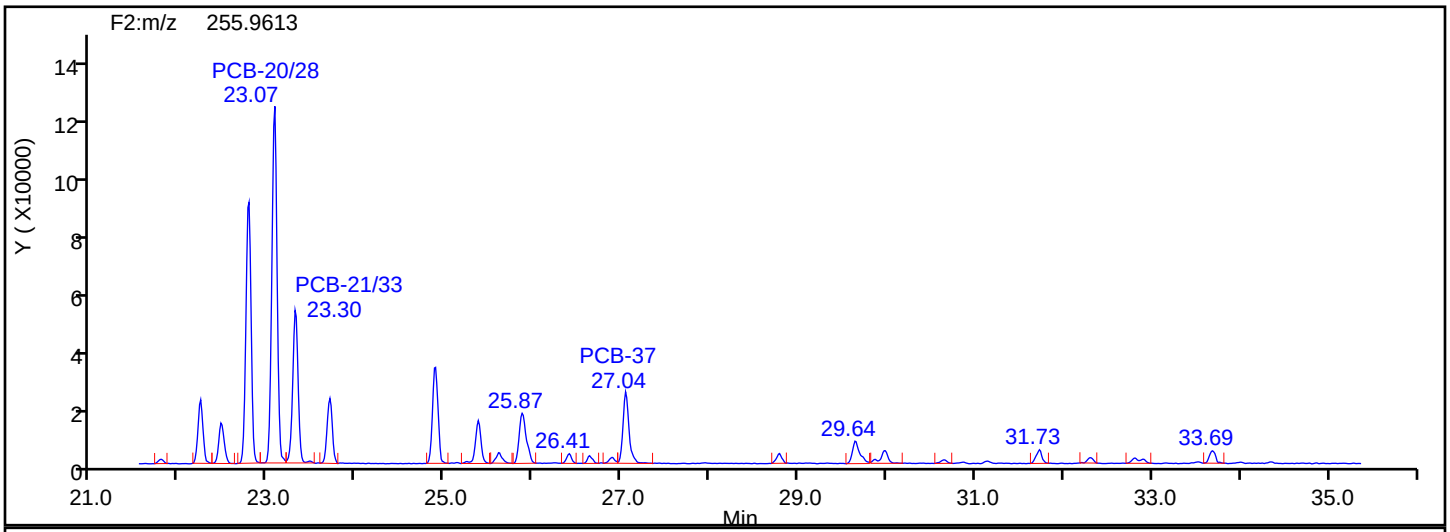


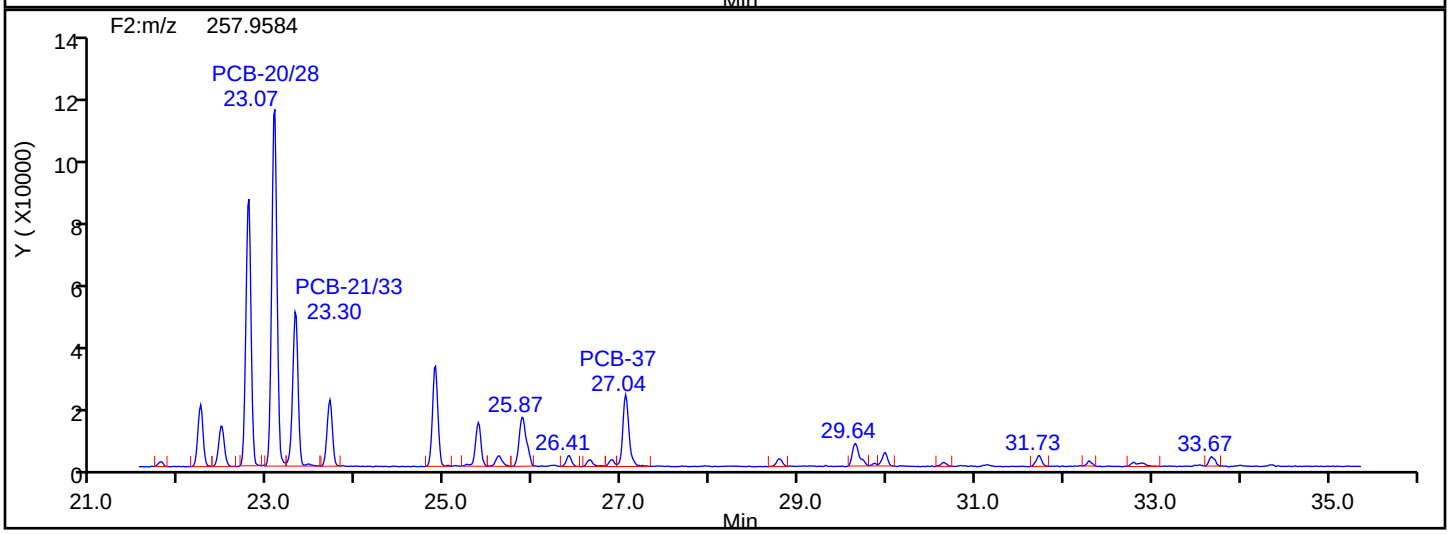



Eurofins TestAmerica, Knoxville

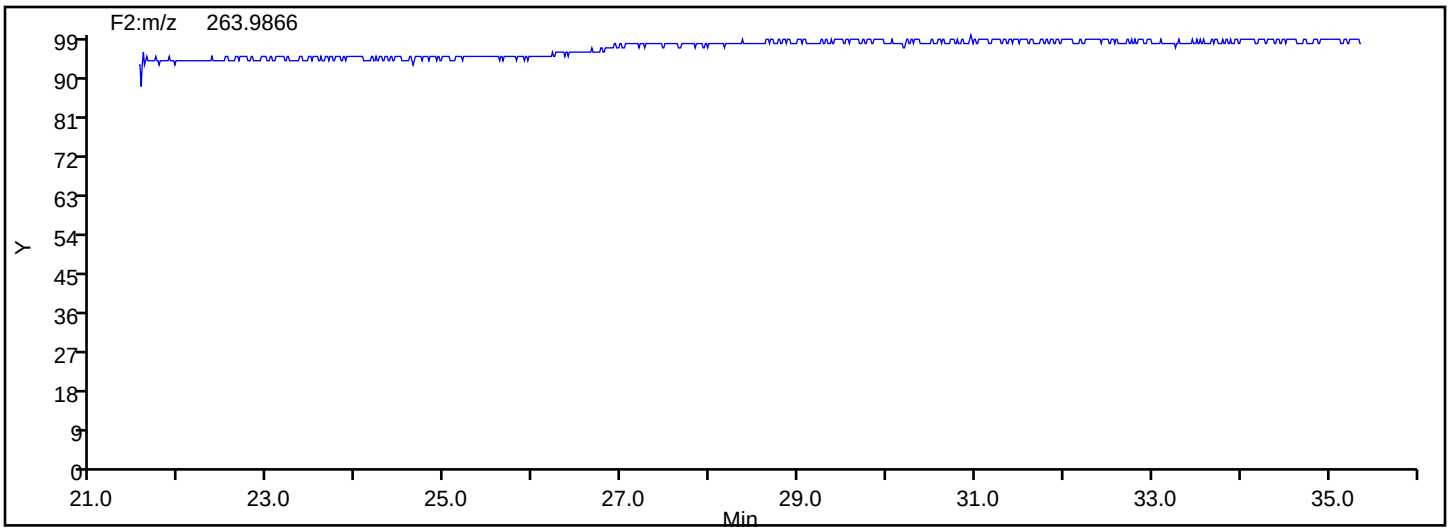
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

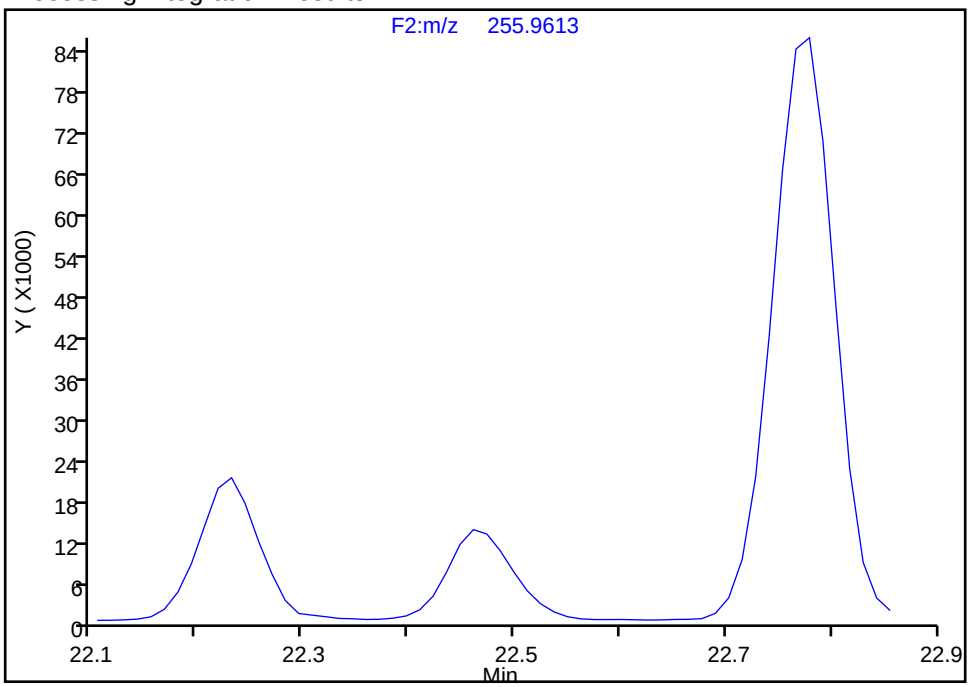
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-25, CAS: 55712-37-3

Signal: 1

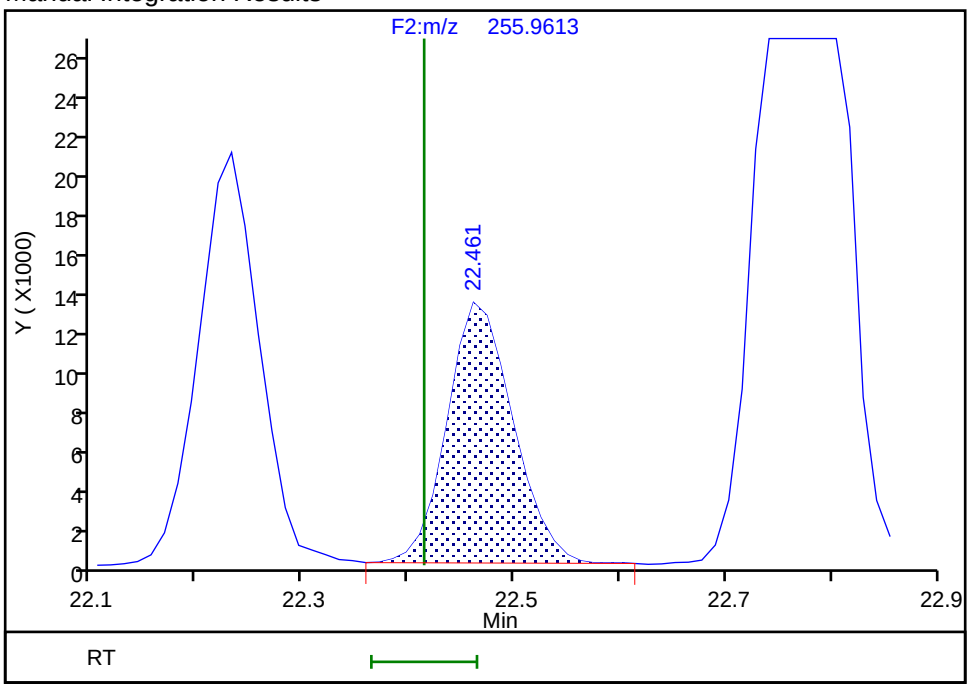
Not Detected
Expected RT: 22.41

Processing Integration Results




Manual Integration Results

RT: 22.46
Area: 57141
Amount: 2.280856
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:58:05
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

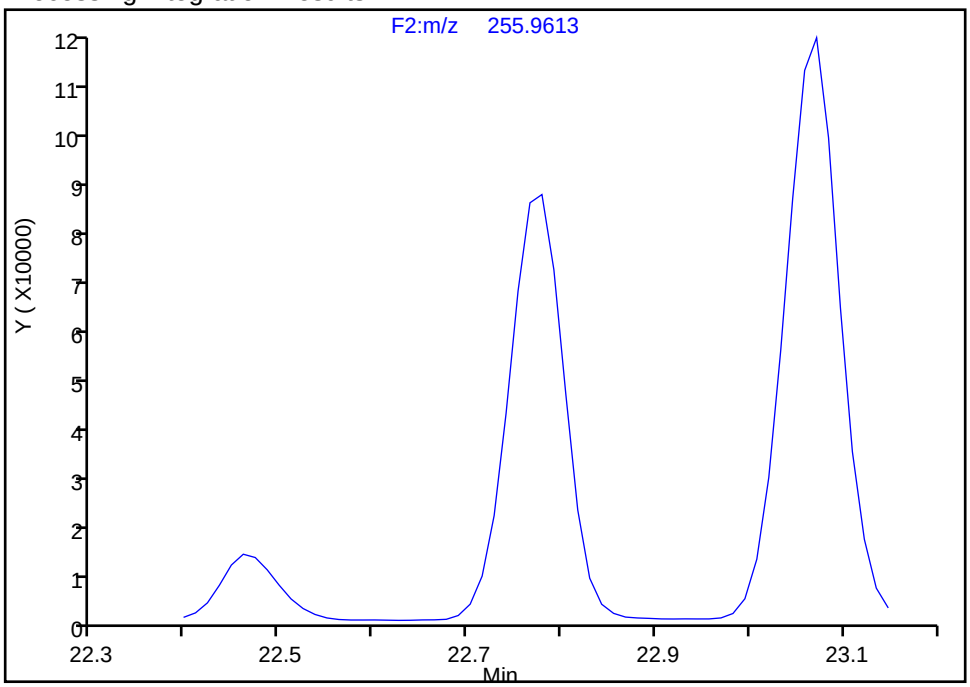
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-31, CAS: 16606-02-3

Signal: 1

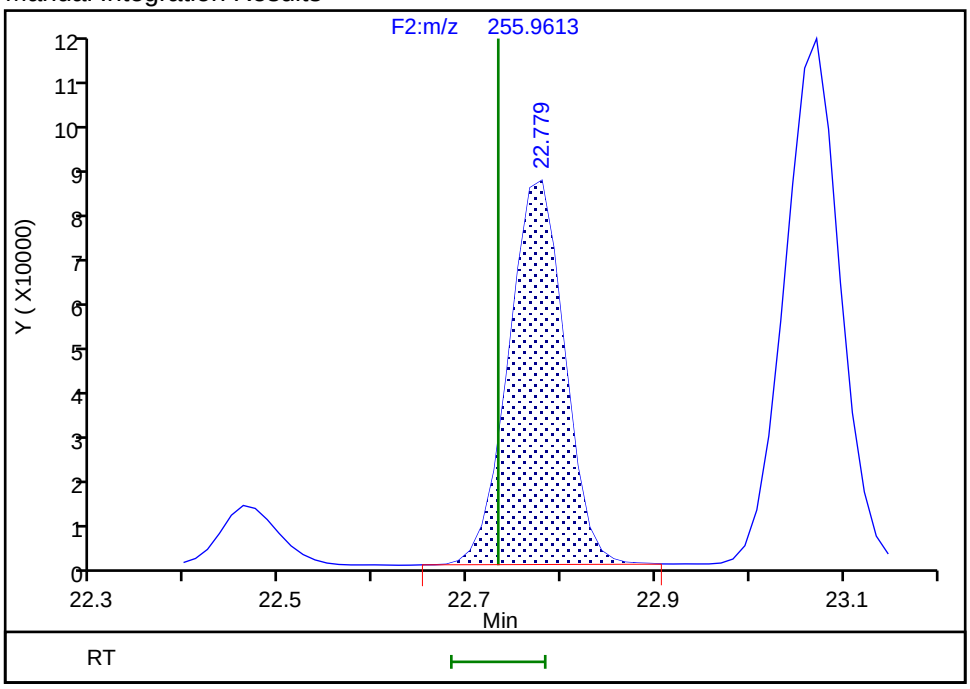
Not Detected
Expected RT: 22.73

Processing Integration Results




Manual Integration Results

RT: 22.78
Area: 351962
Amount: 13.430350
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:58:09
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

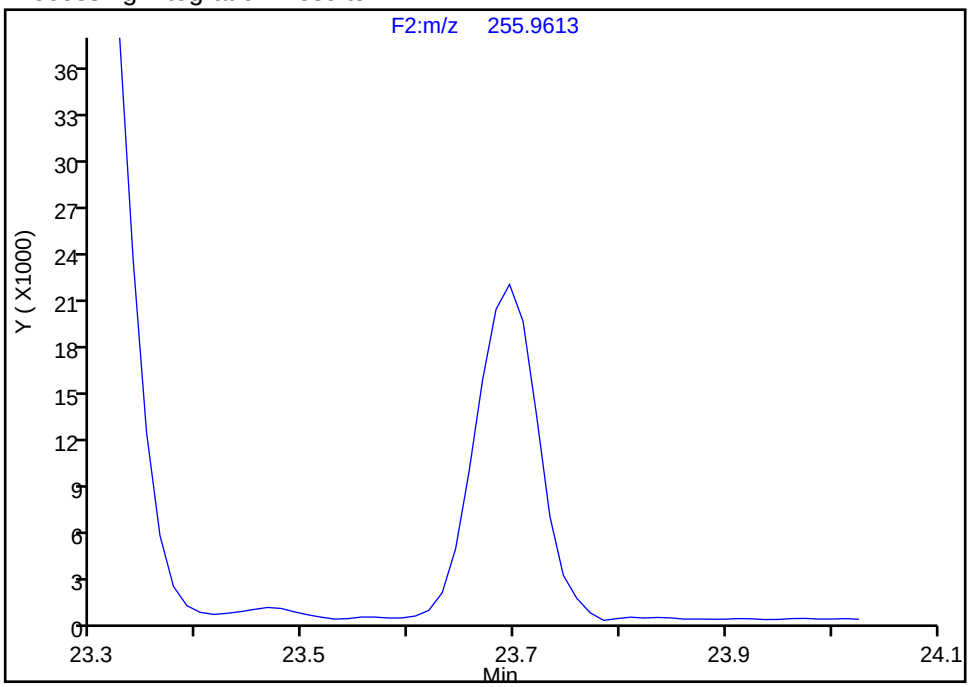
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-22, CAS: 38444-85-8

Signal: 1

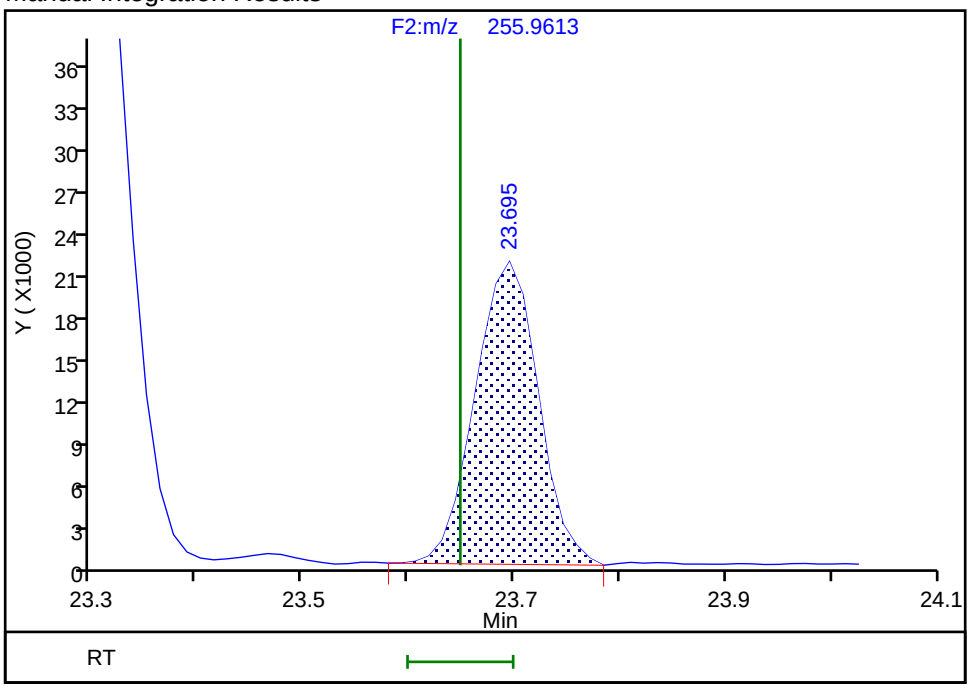
Not Detected
Expected RT: 23.65

Processing Integration Results




Manual Integration Results

RT: 23.70
Area: 88126
Amount: 3.781320
Amount Units: pg/ul

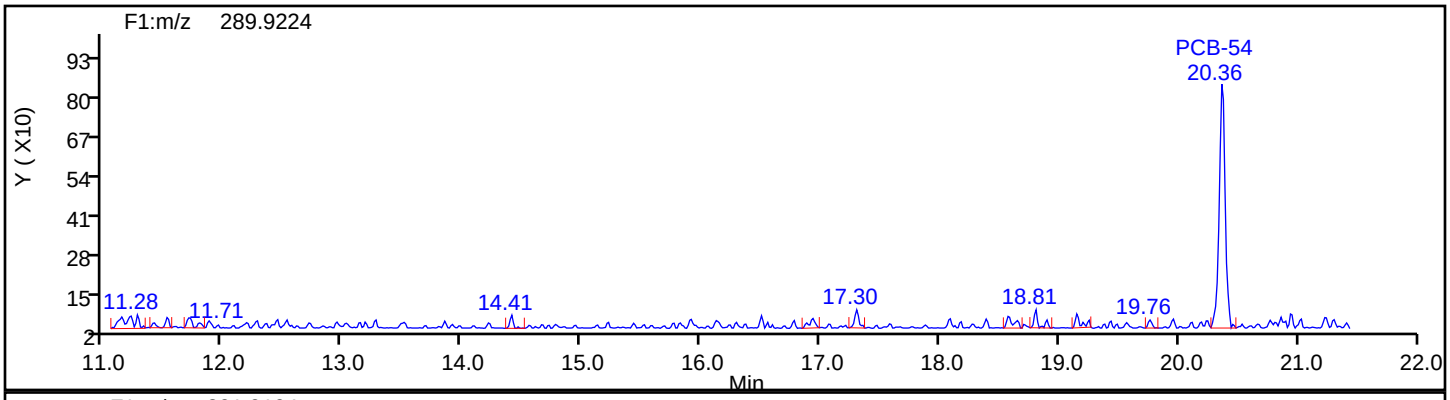


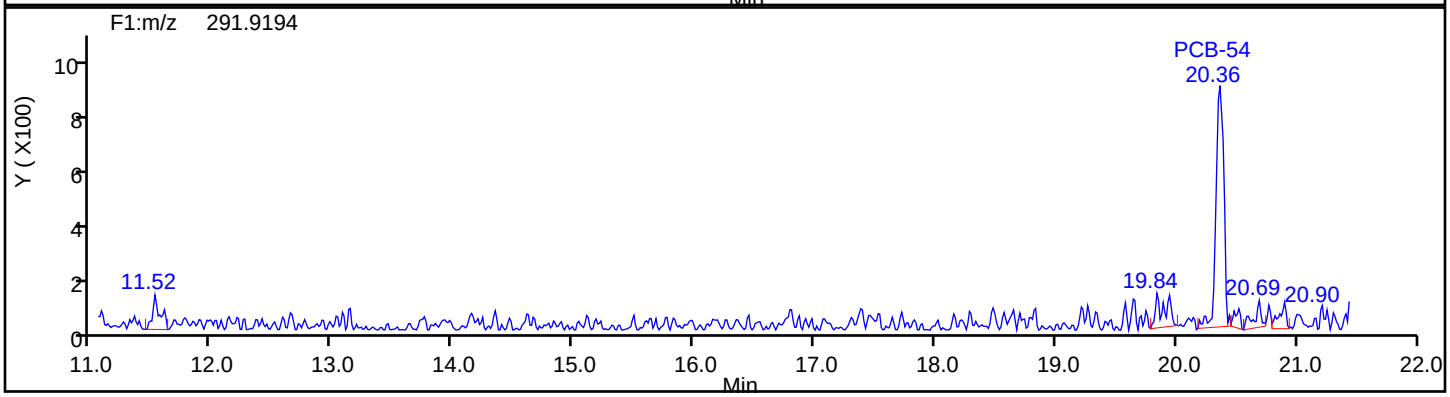

Reviewer: layk, 04-Oct-2019 10:58:16
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

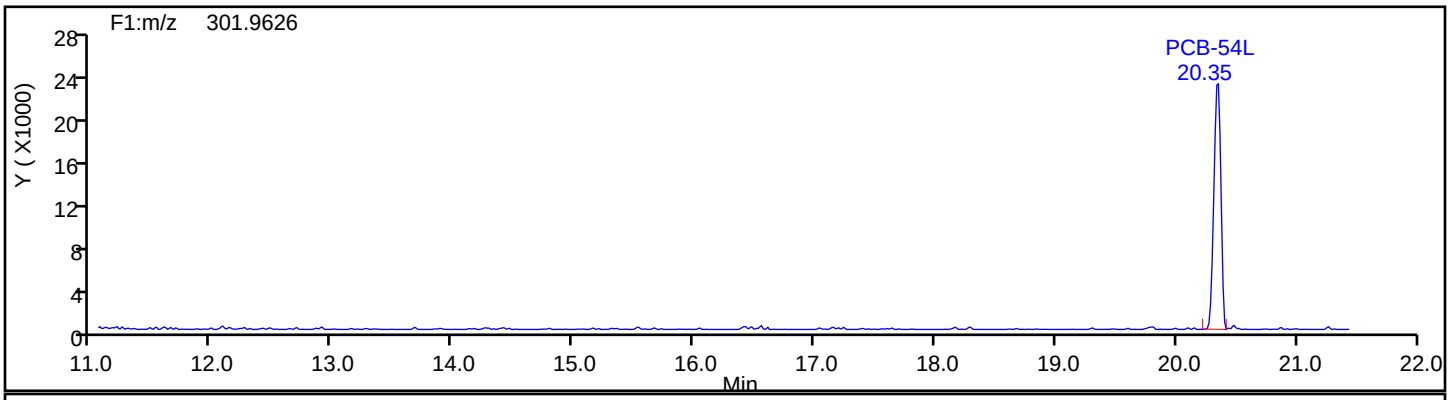
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

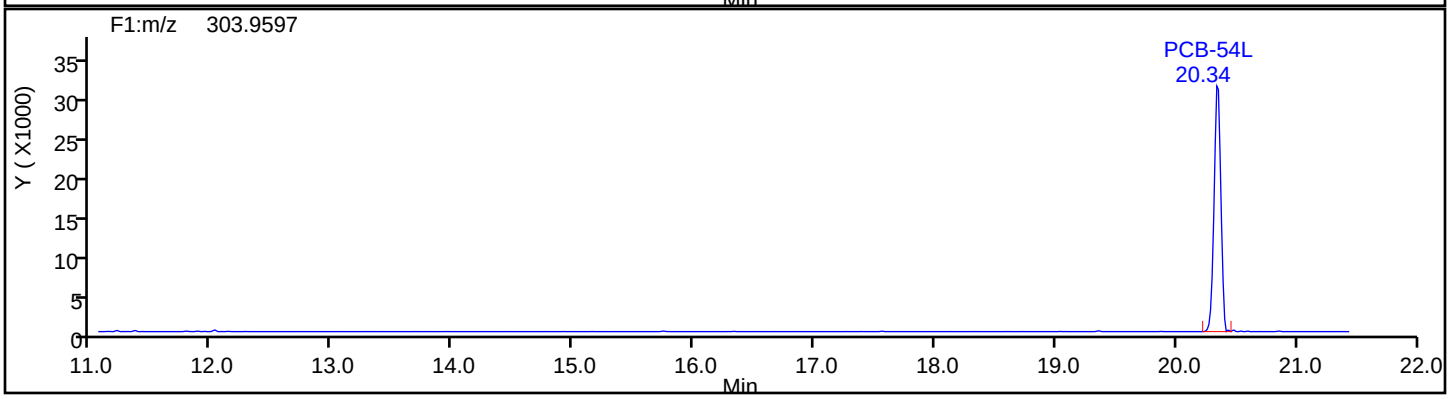
TePCB F1




TePCB F1 Standards

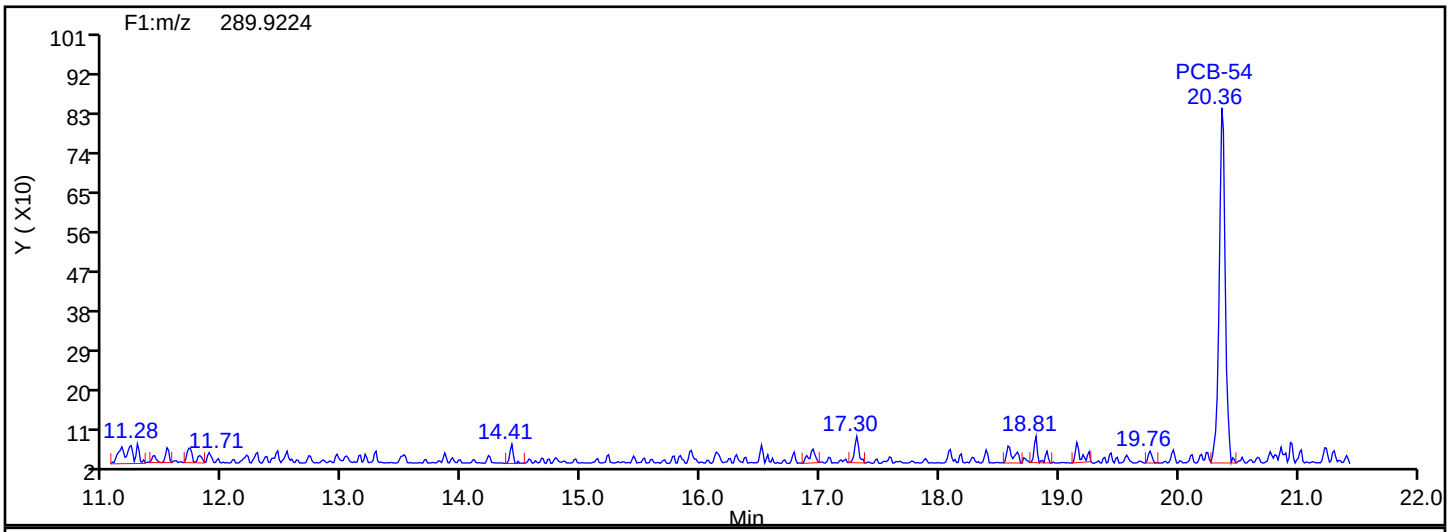


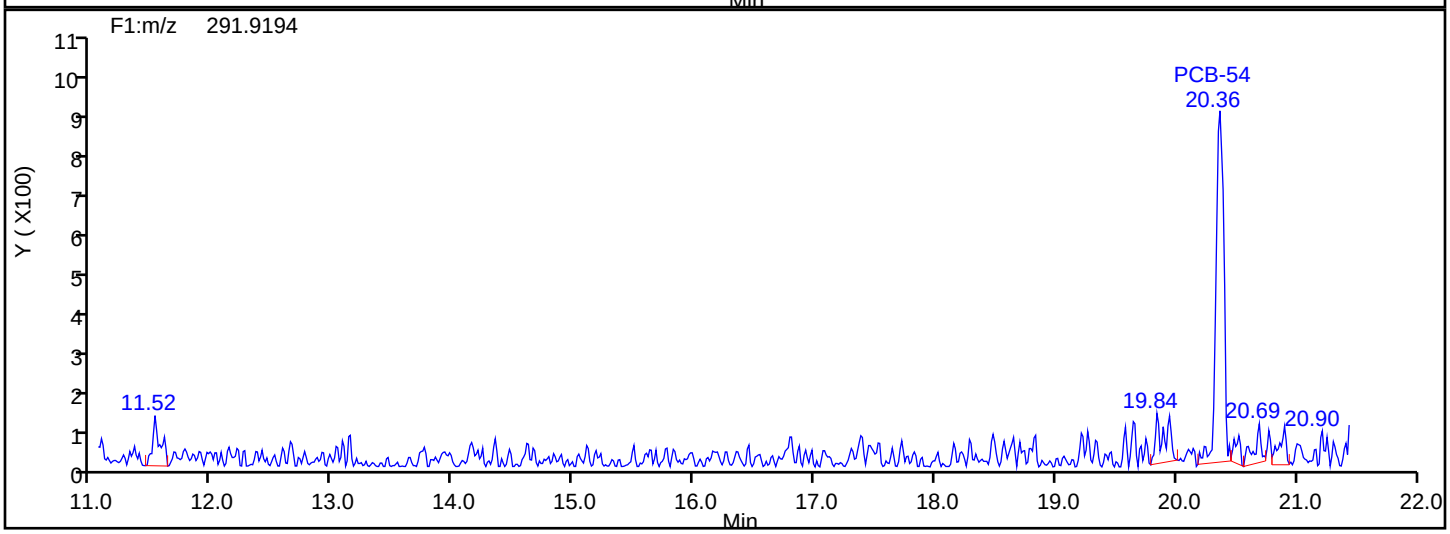



Eurofins TestAmerica, Knoxville

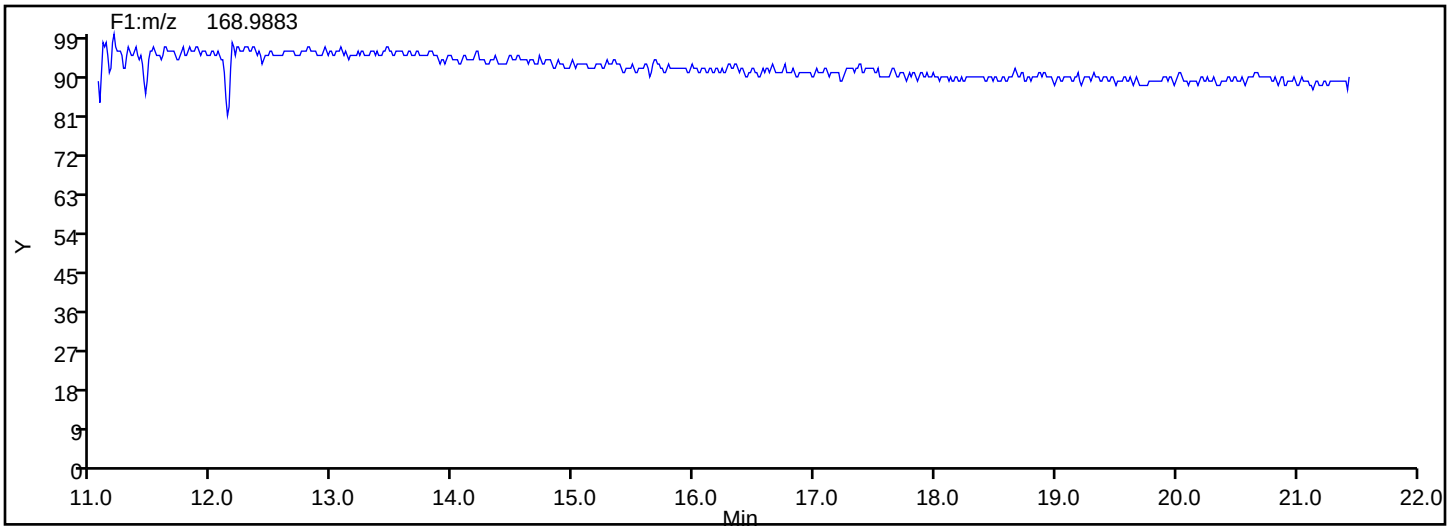
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



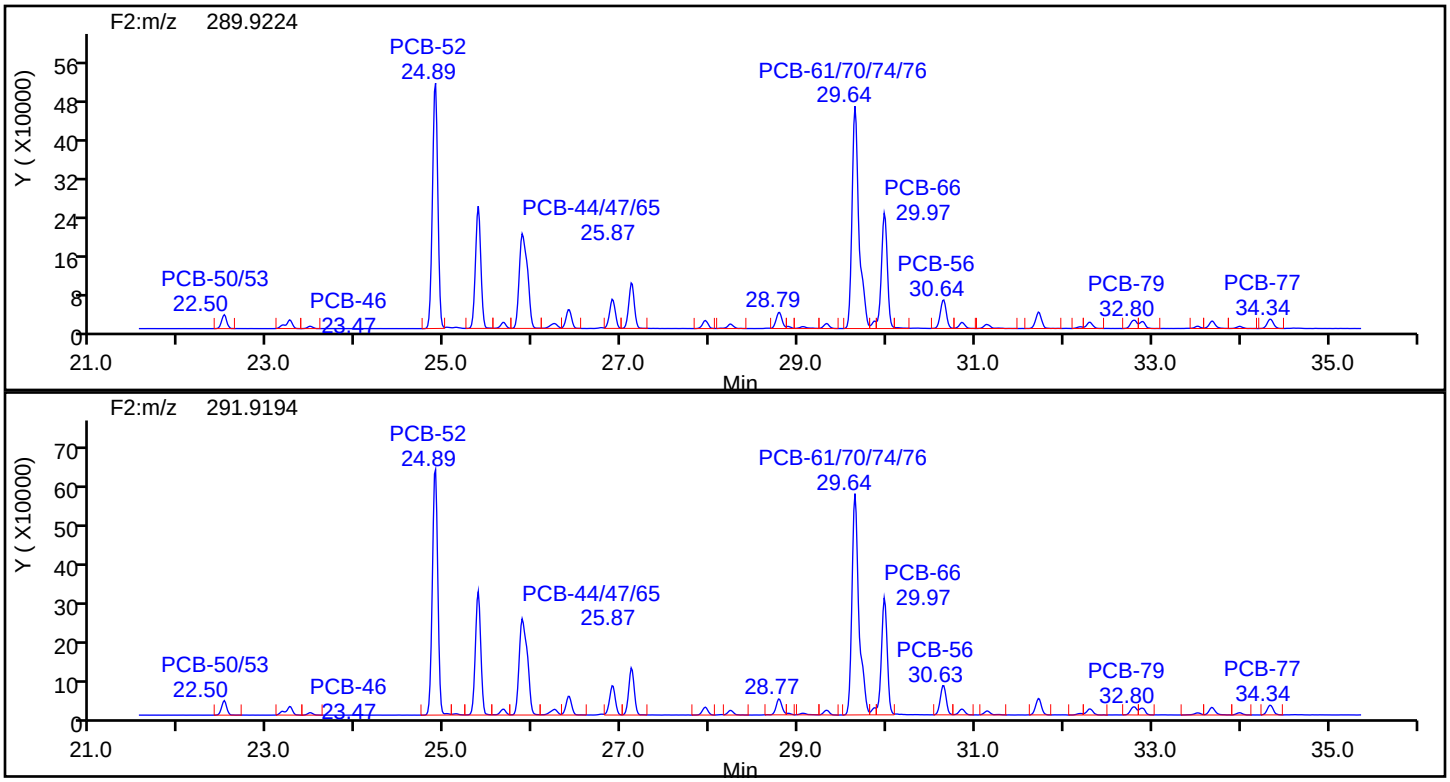

TePCB F1 Lock Mass



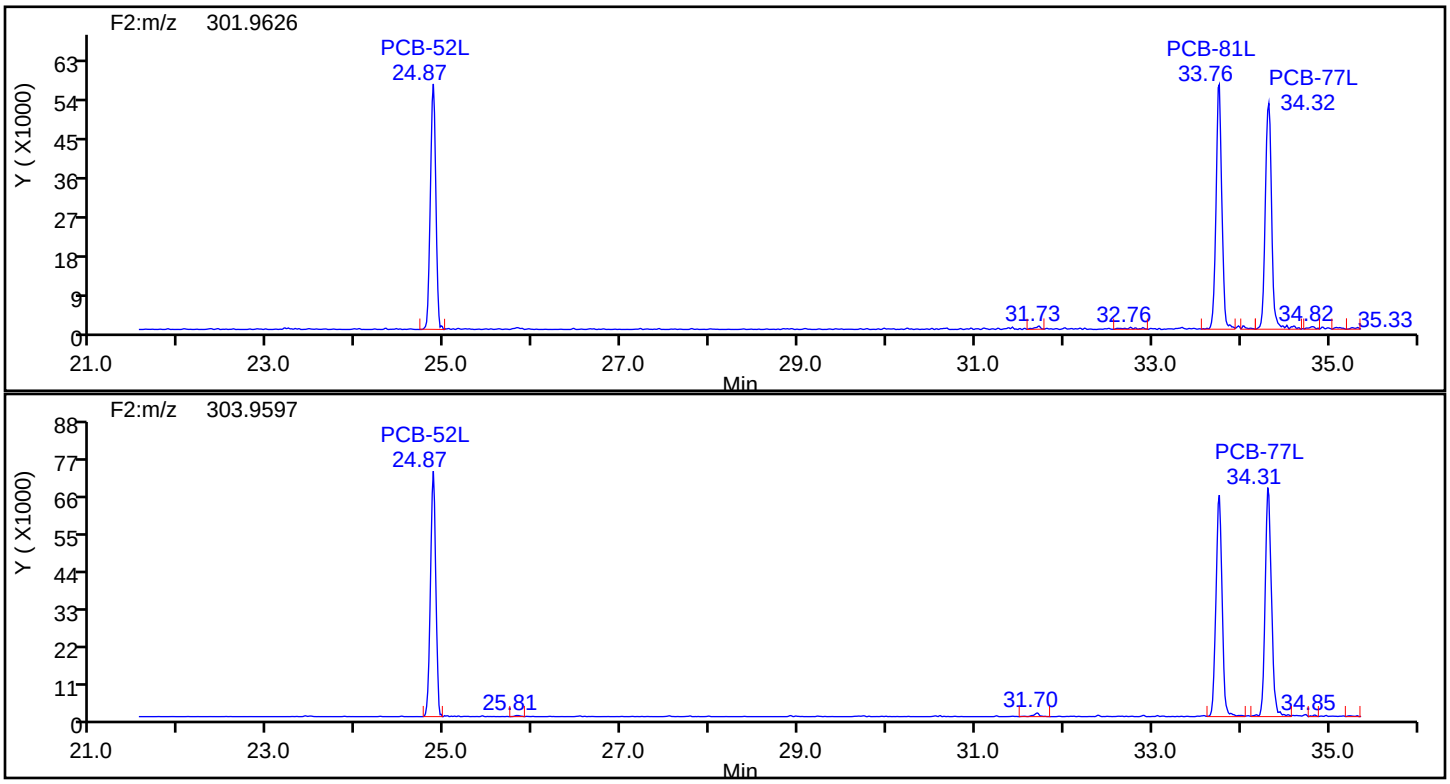
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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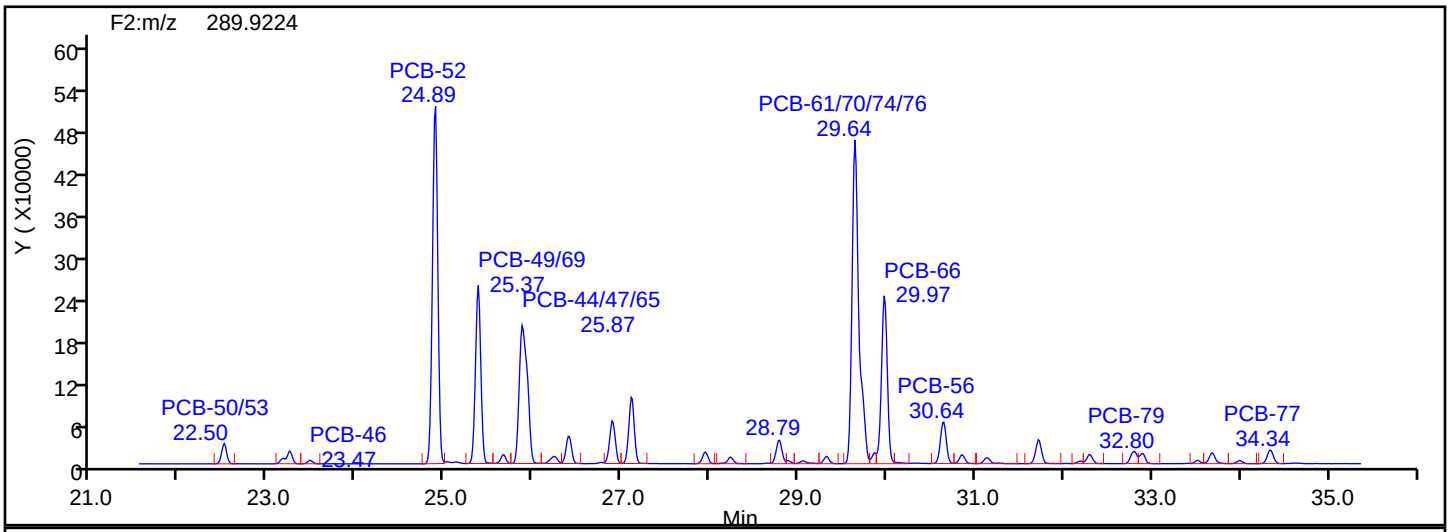
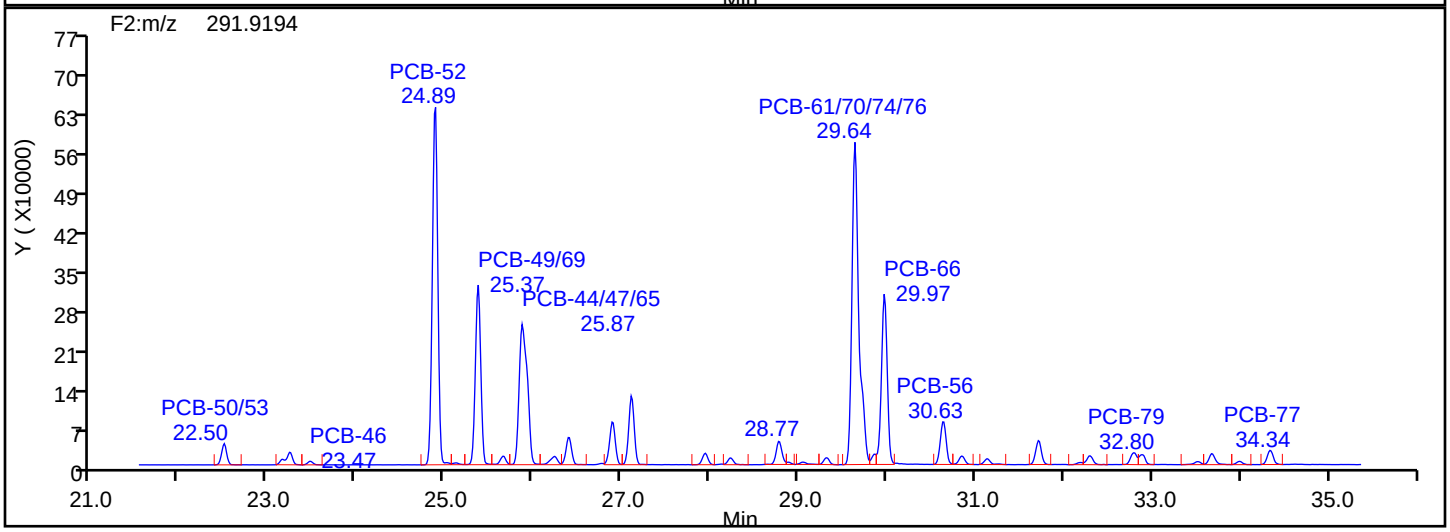
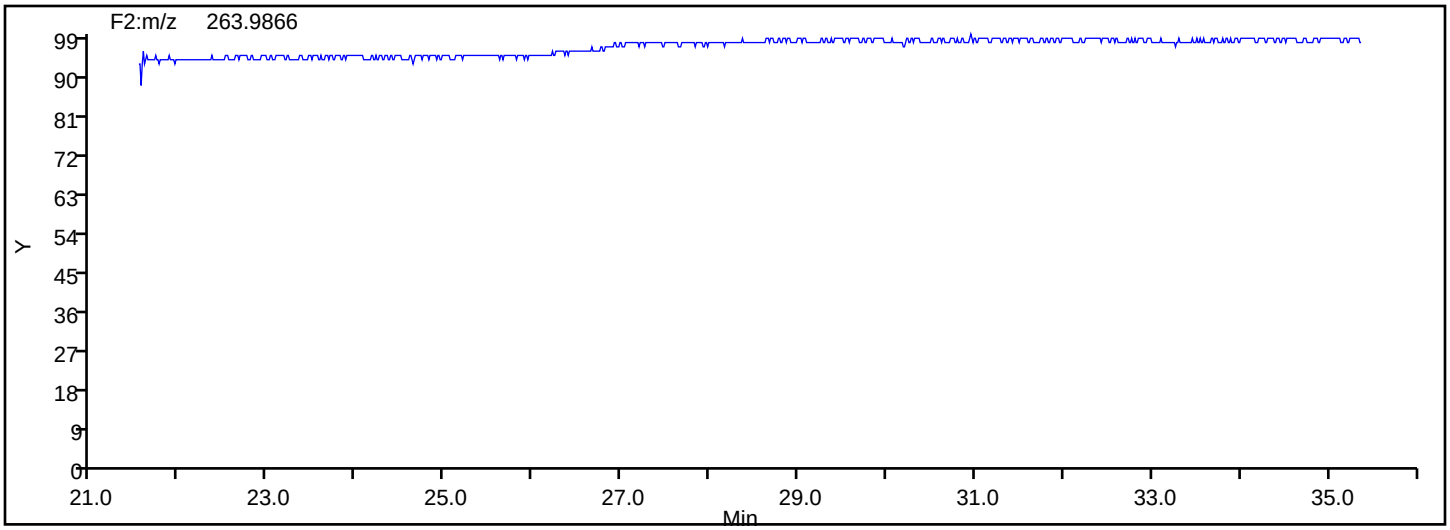
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

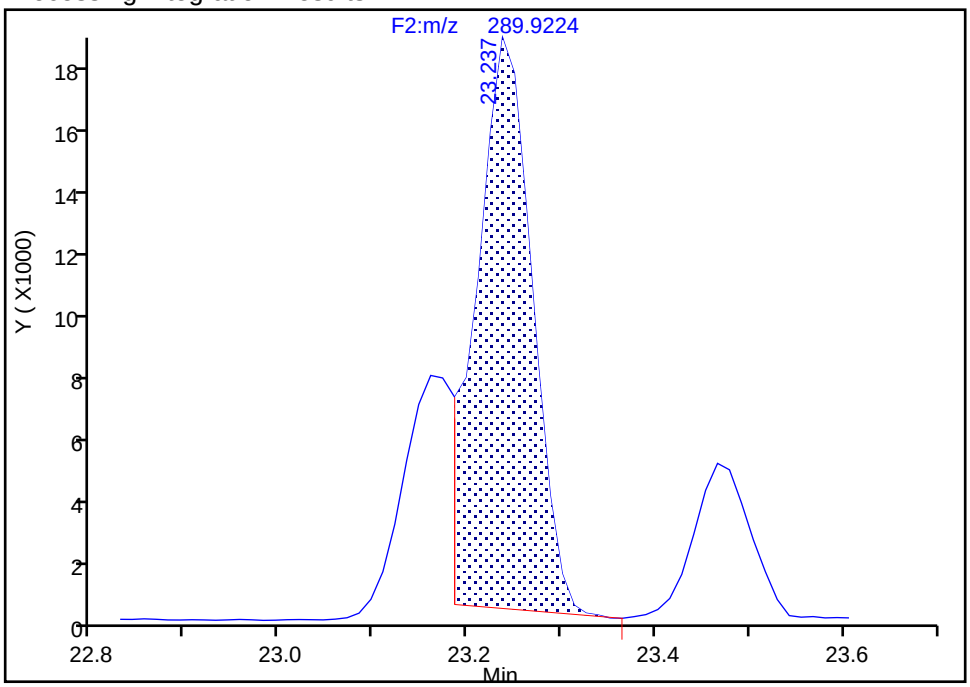
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

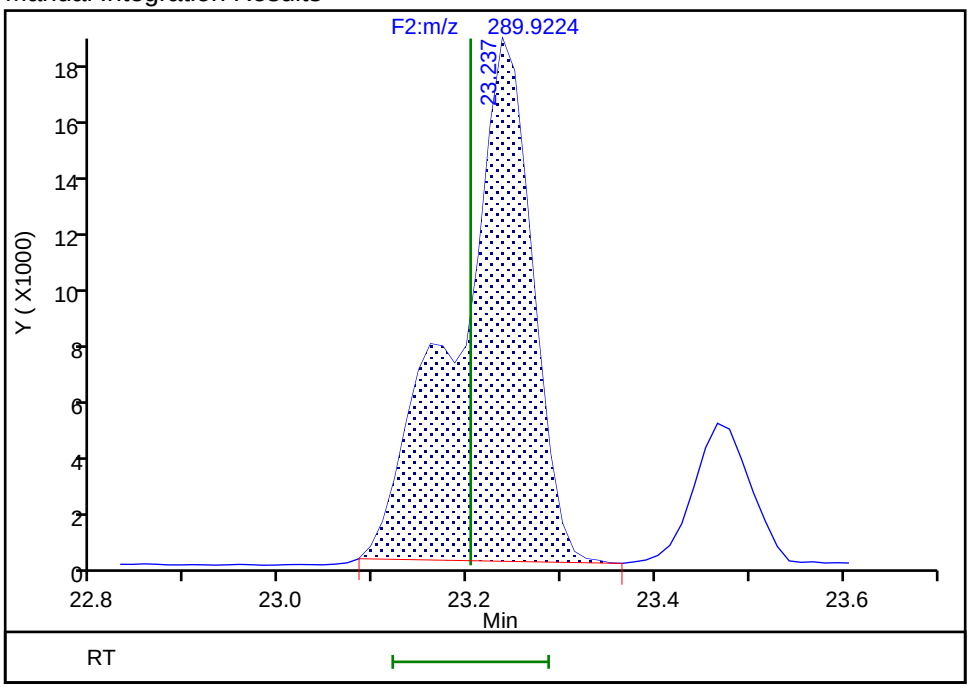
Processing Integration Results

RT: 23.24
Area: 72824
Amount: 6.390107
Amount Units: pg/ul




Manual Integration Results

RT: 23.24
Area: 100647
Amount: 8.816364
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:58:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

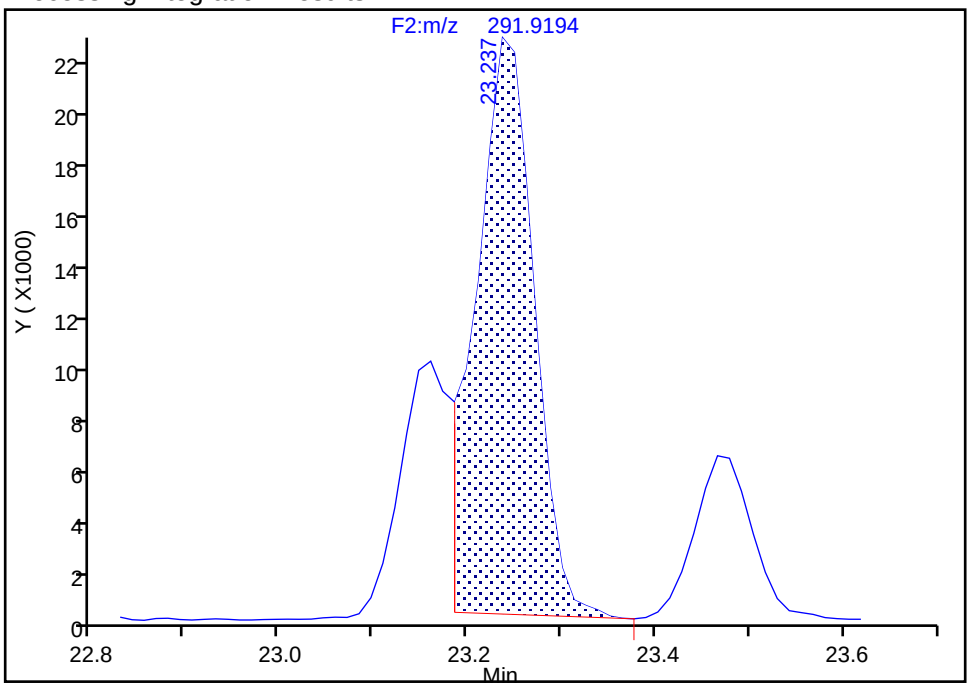
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

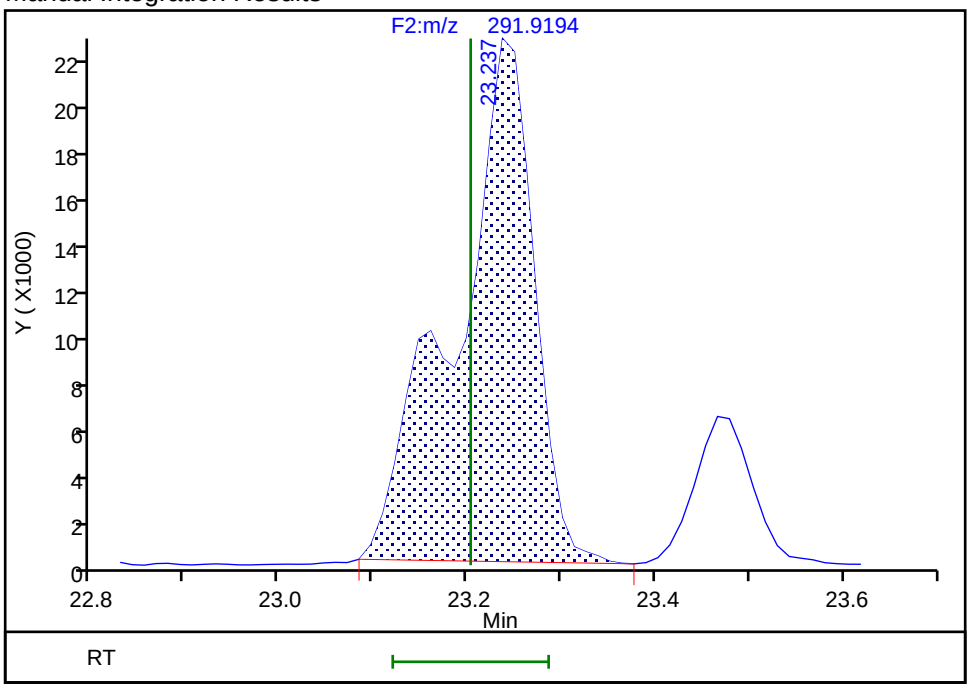
Processing Integration Results

RT: 23.24
Area: 93878
Amount: 6.390107
Amount Units: pg/ul




Manual Integration Results

RT: 23.24
Area: 129350
Amount: 8.816364
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 10:58:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

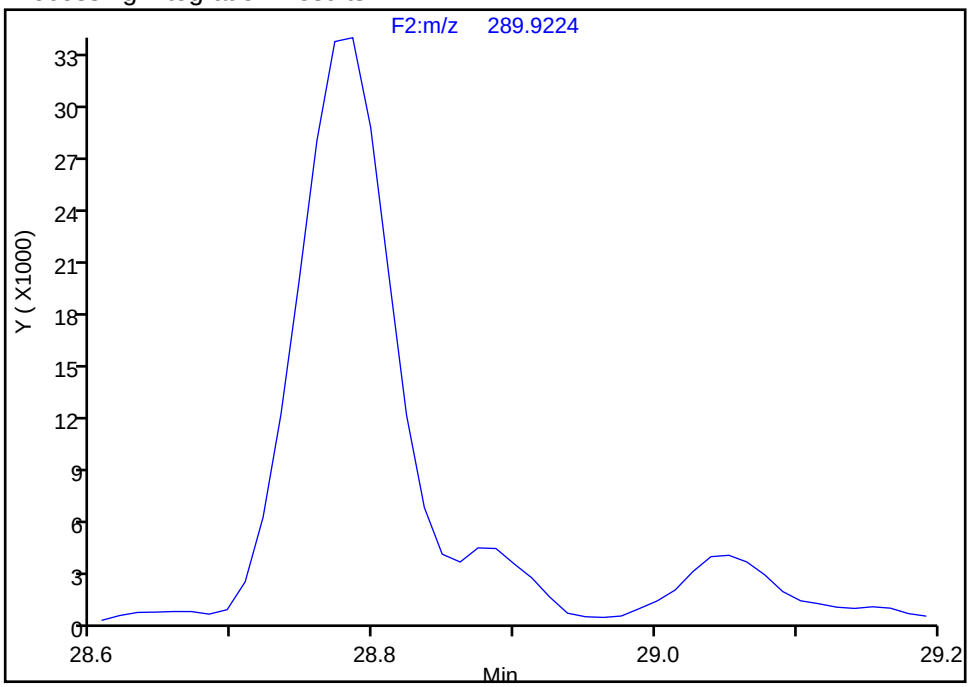
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 1

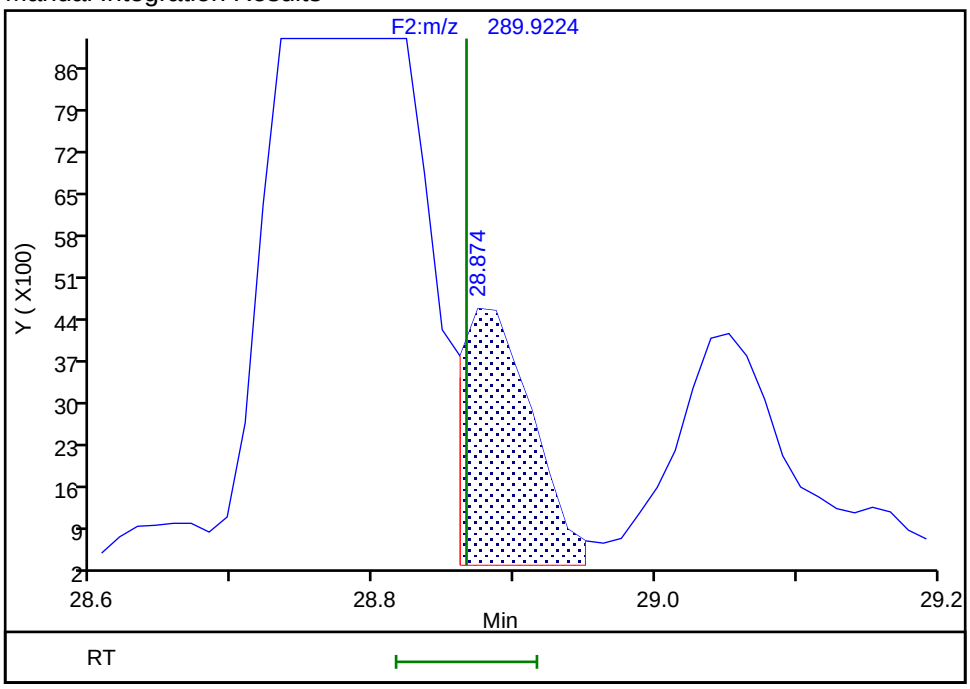
Not Detected
Expected RT: 28.87

Processing Integration Results




Manual Integration Results

RT: 28.87
Area: 14316
Amount: 0.716627
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:00:12
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

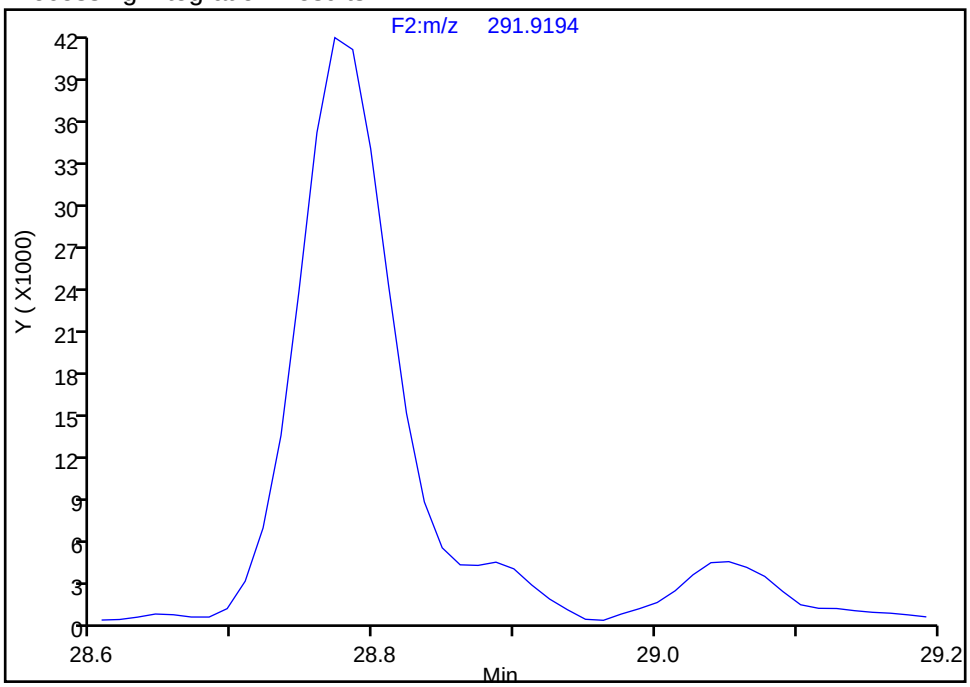
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-58, CAS: 41464-49-7

Signal: 2

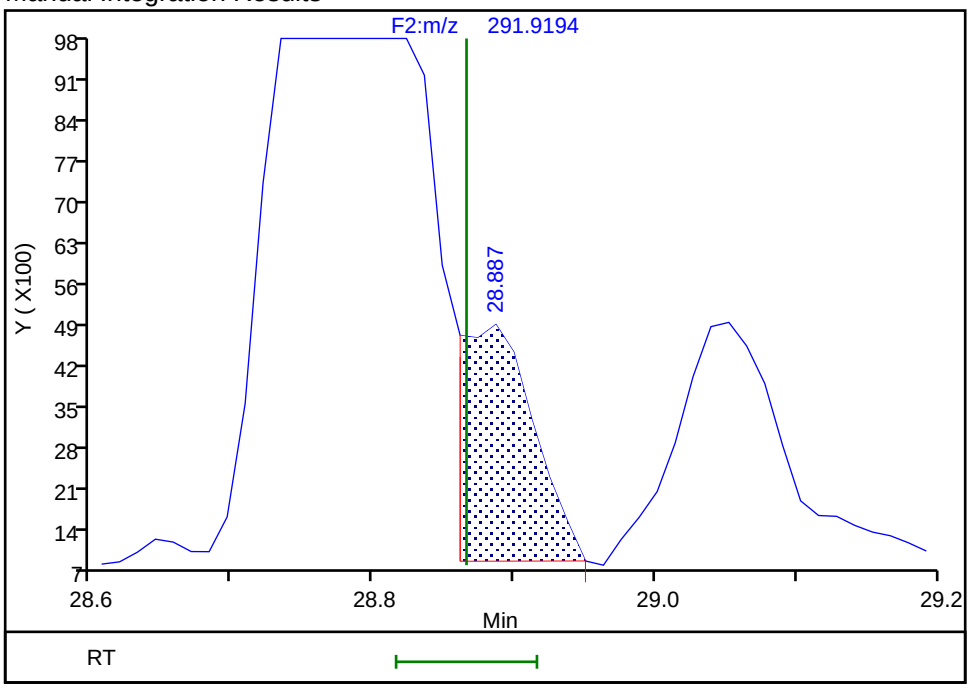
Processing Integration Results

Not Detected
Expected RT: 28.87




Manual Integration Results

RT: 28.89
Area: 13596
Amount: 0.716627
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:00:15
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

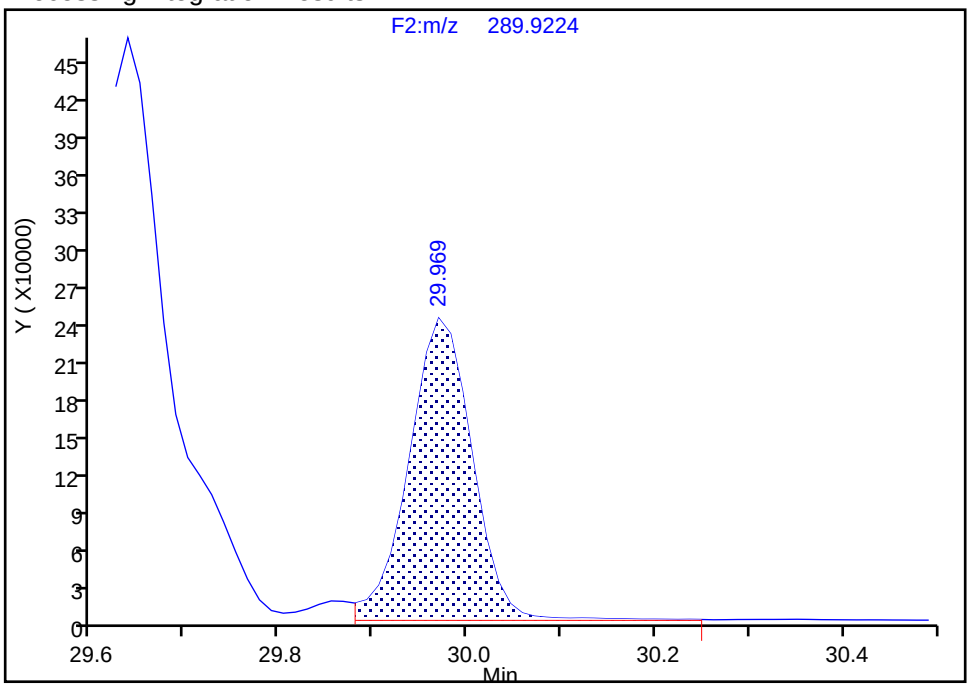
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-66, CAS: 32598-10-0

Signal: 1

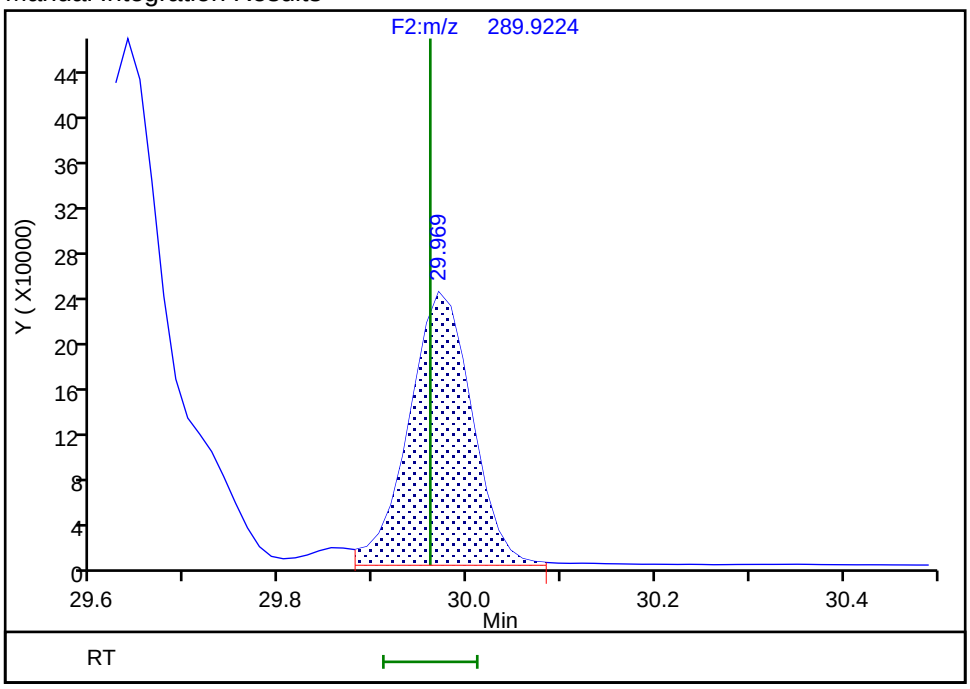
Processing Integration Results

RT: 29.97
Area: 1123143
Amount: 66.500347
Amount Units: pg/ul




Manual Integration Results

RT: 29.97
Area: 1110758
Amount: 66.172089
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:00:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

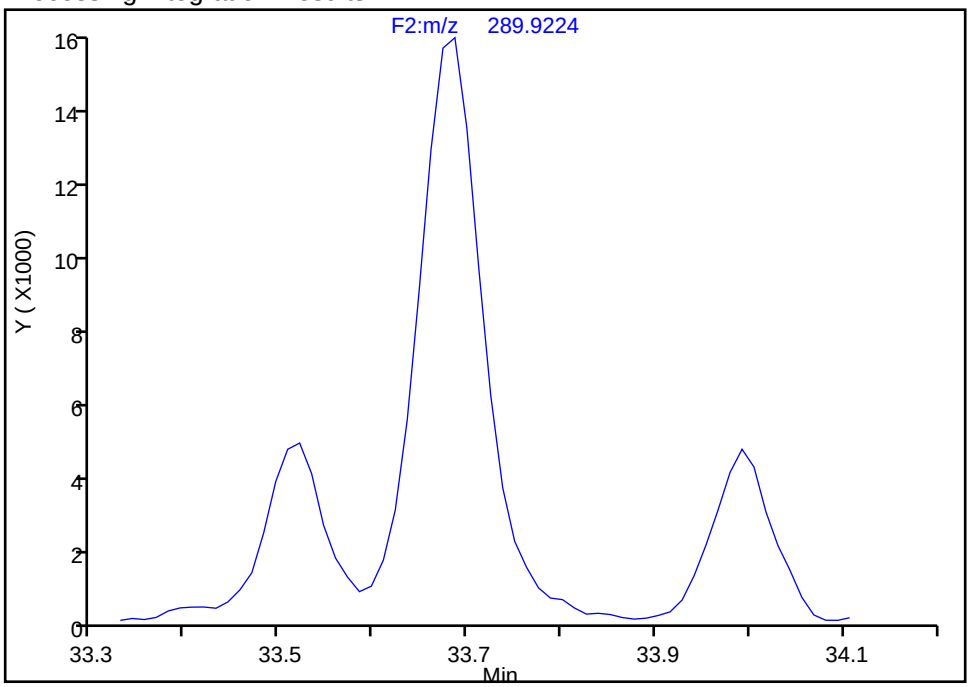
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-81, CAS: 70362-50-4

Signal: 1

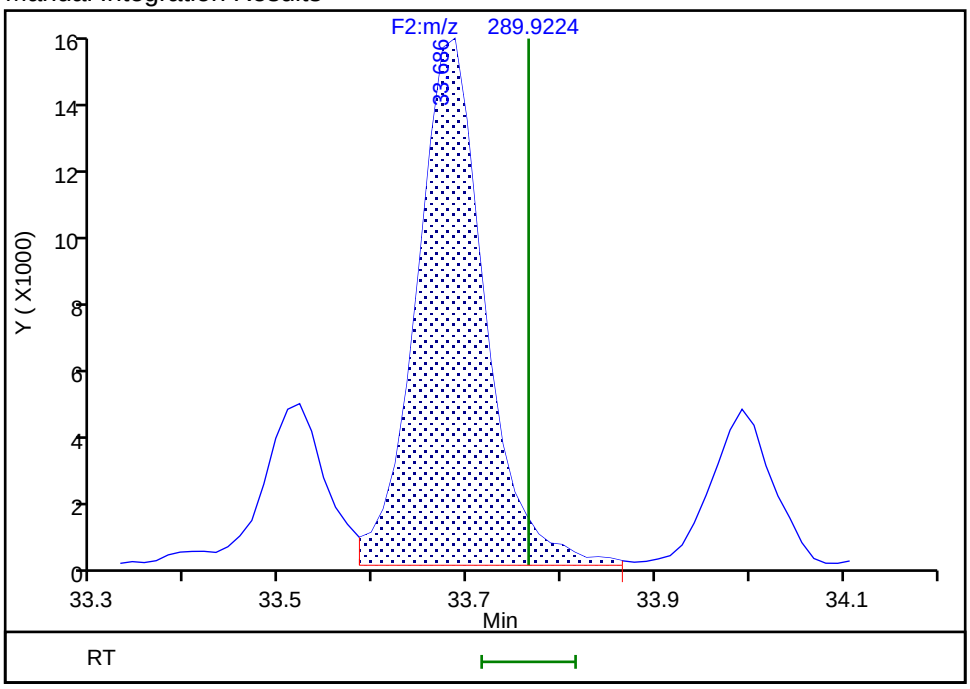
Not Detected
Expected RT: 33.76

Processing Integration Results




Manual Integration Results

RT: 33.69
Area: 76962
Amount: 4.627743
Amount Units: pg/ul



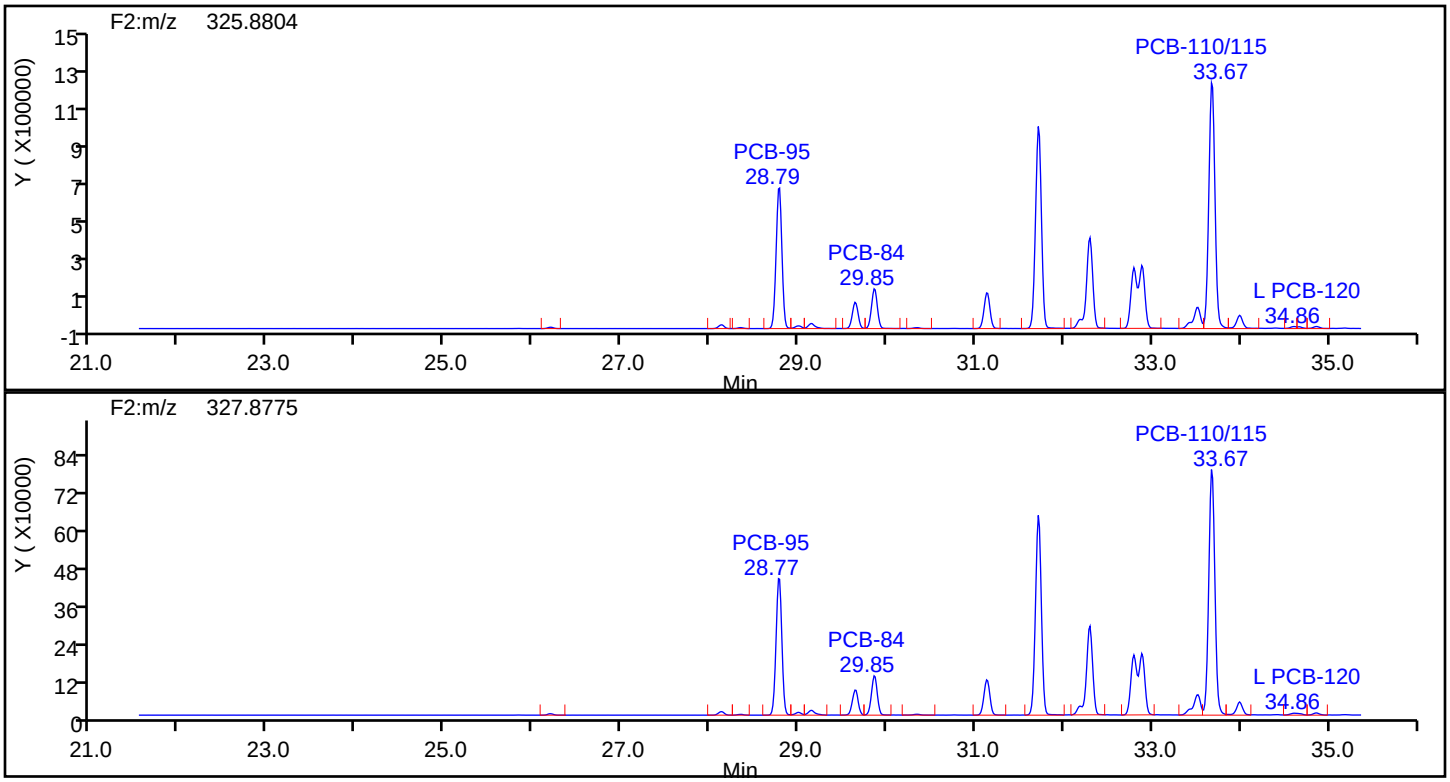

Reviewer: layk, 04-Oct-2019 11:01:32
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Report Date: 04-Oct-2019 14:14:44 Chrom Revision: 2.3 17-Sep-2019 16:19:08

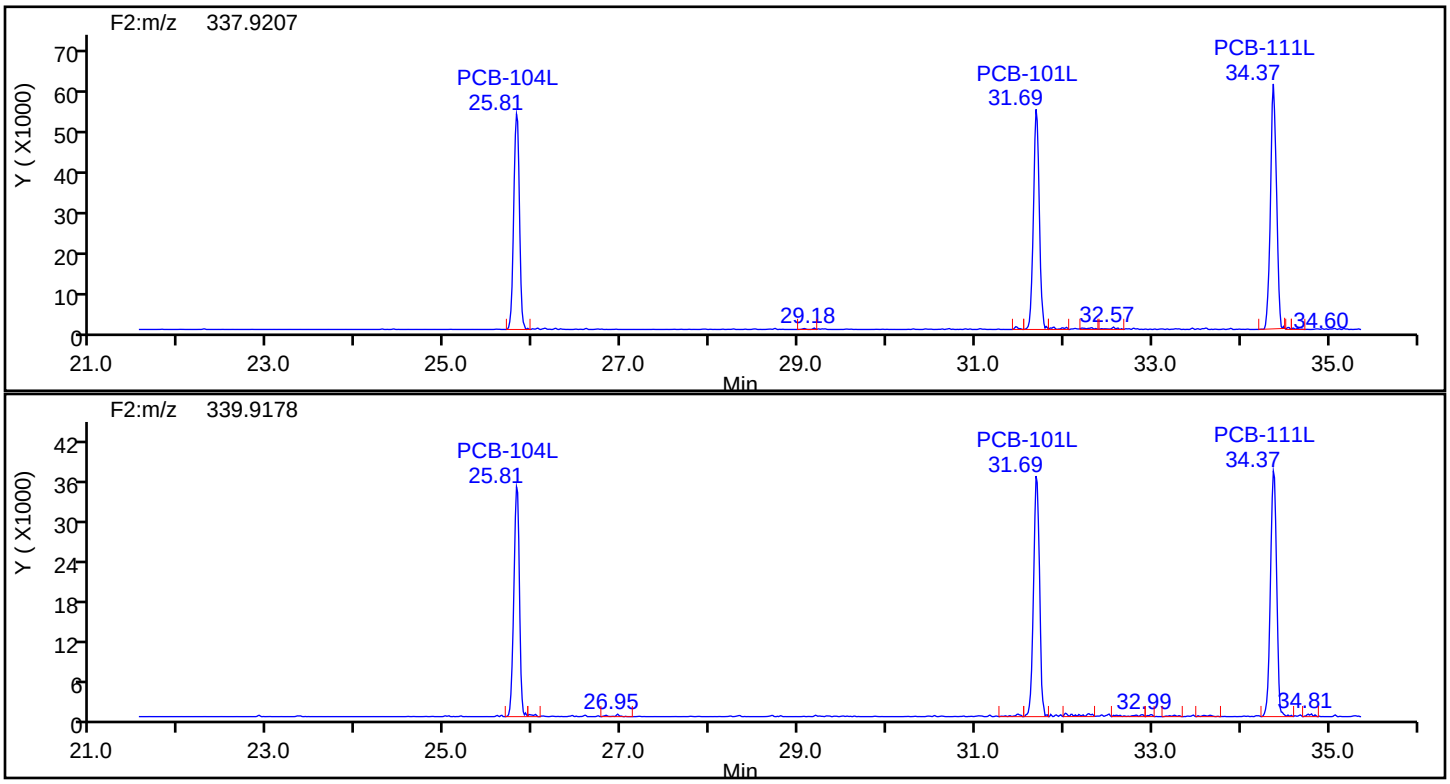
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



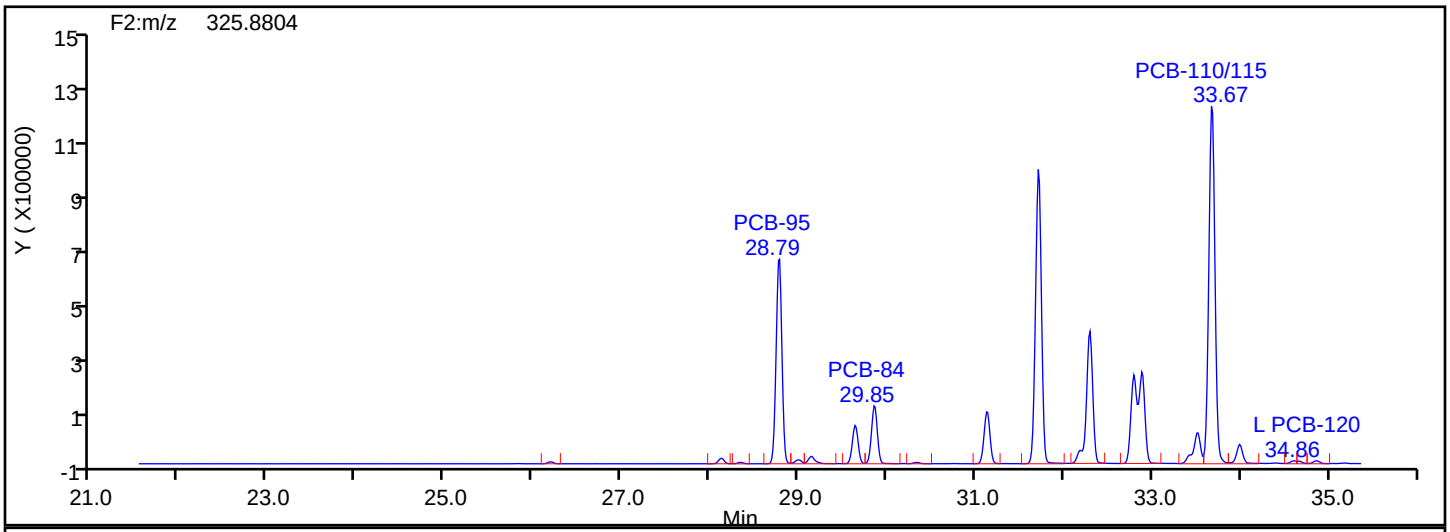

PePCB F2 Standards

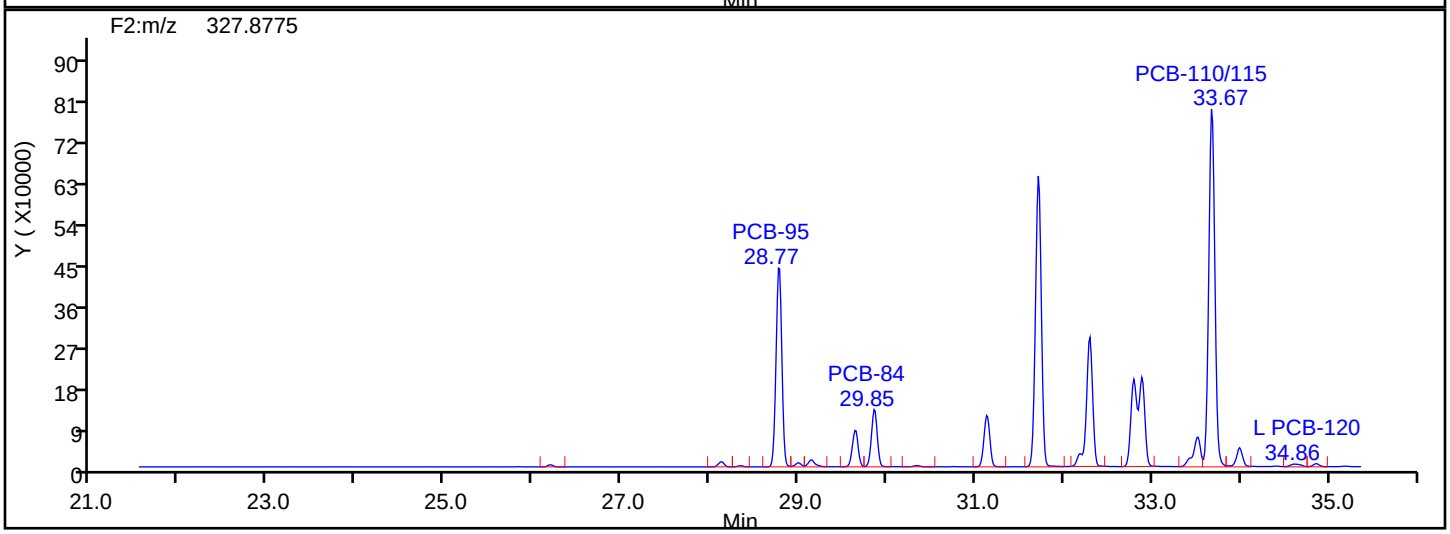


Eurofins TestAmerica, Knoxville

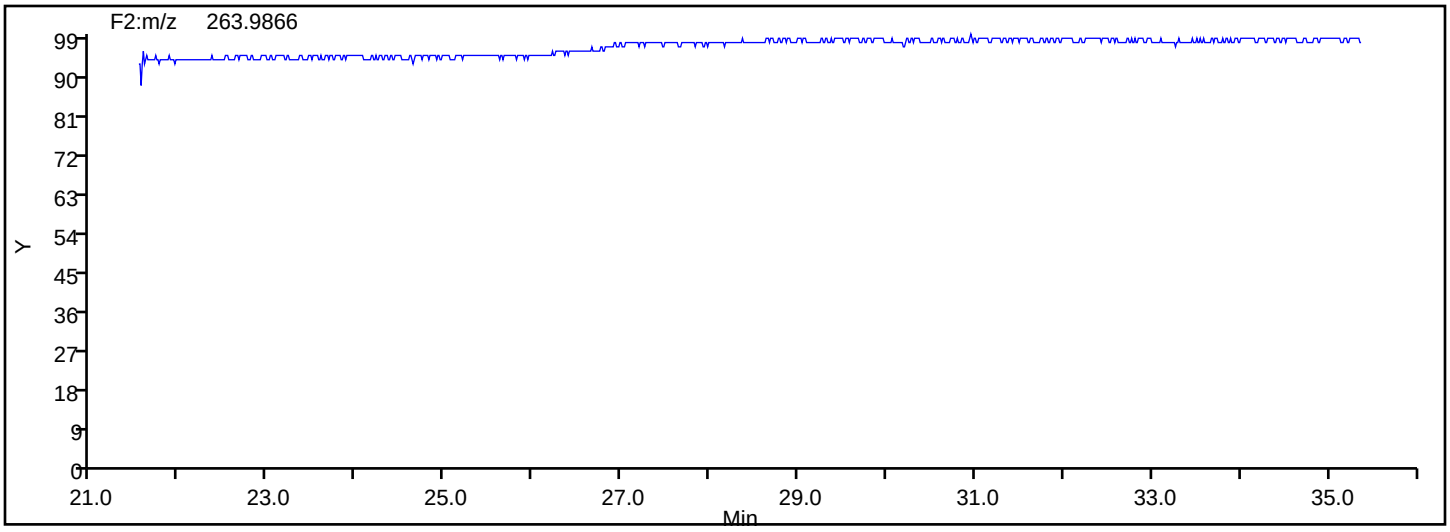
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

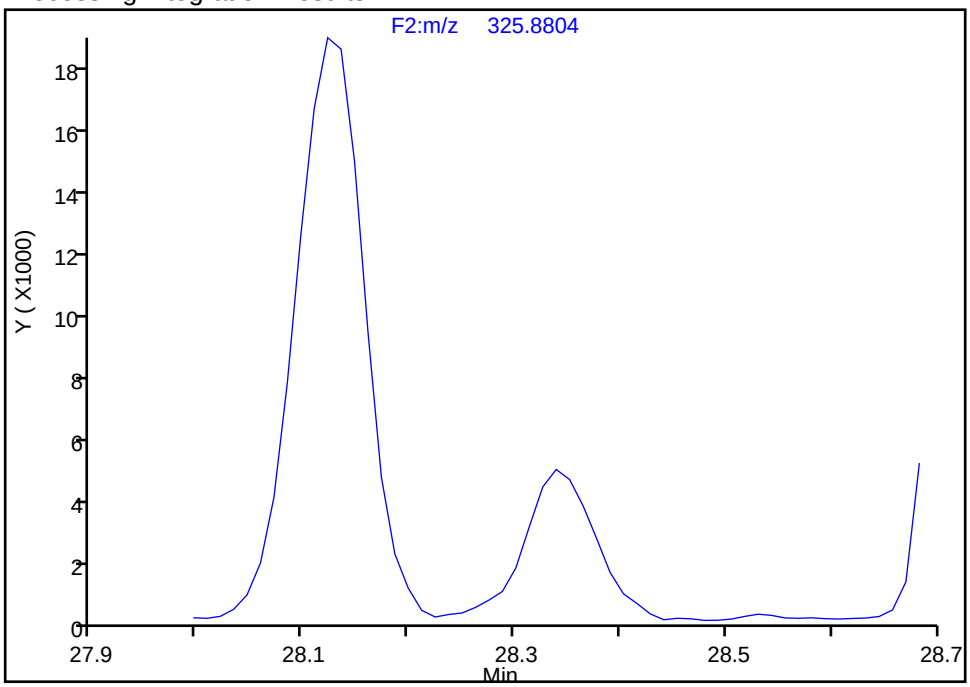
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 1

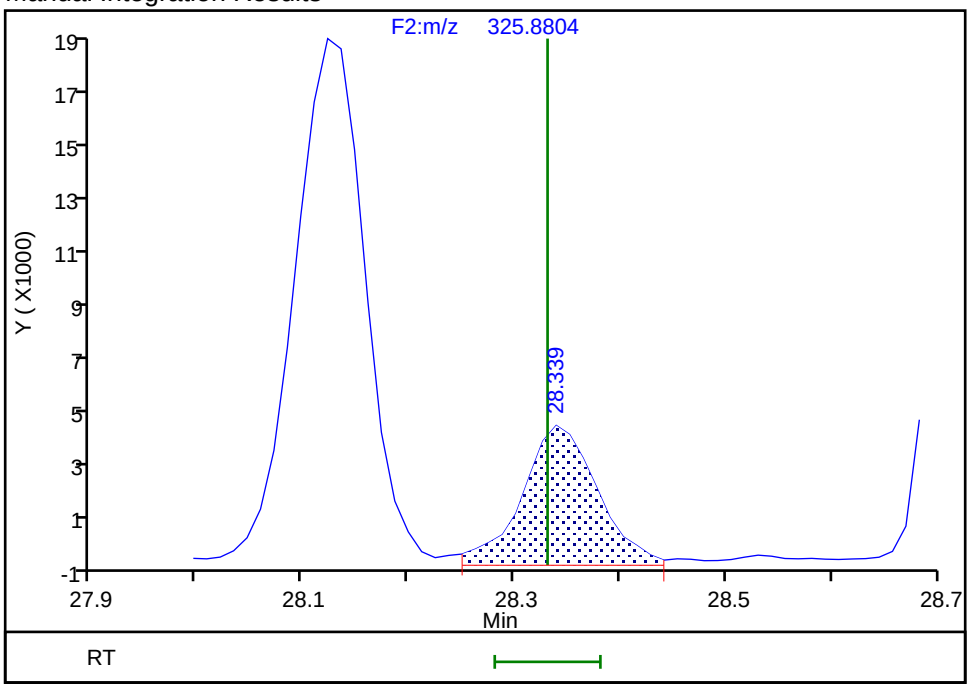
Not Detected
Expected RT: 28.33

Processing Integration Results




Manual Integration Results

RT: 28.34
Area: 24647
Amount: 2.000151
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:03:02
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

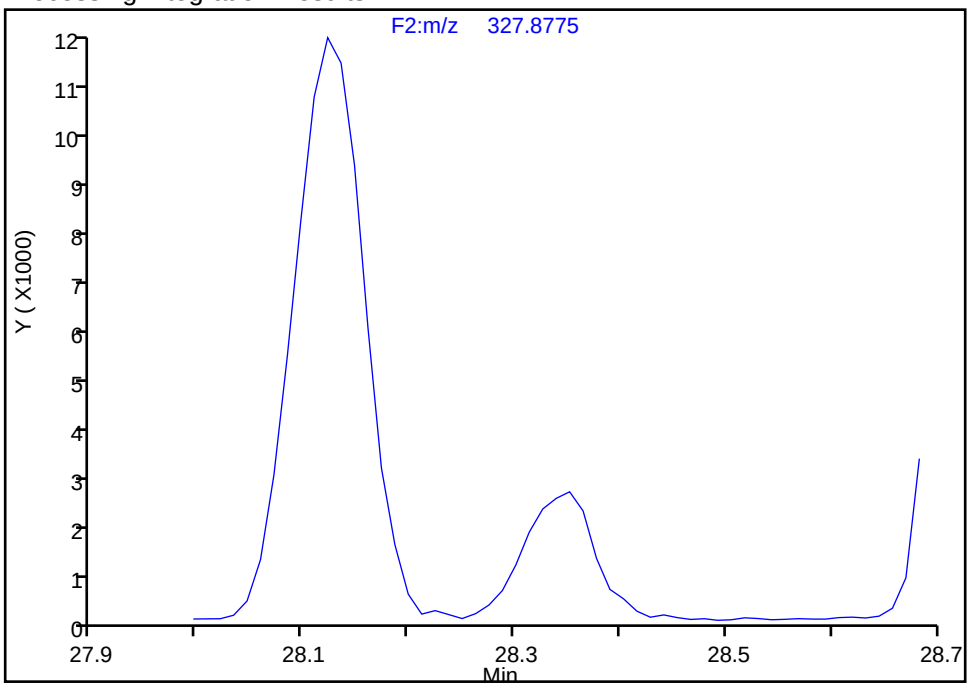
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-94, CAS: 73575-55-0

Signal: 2

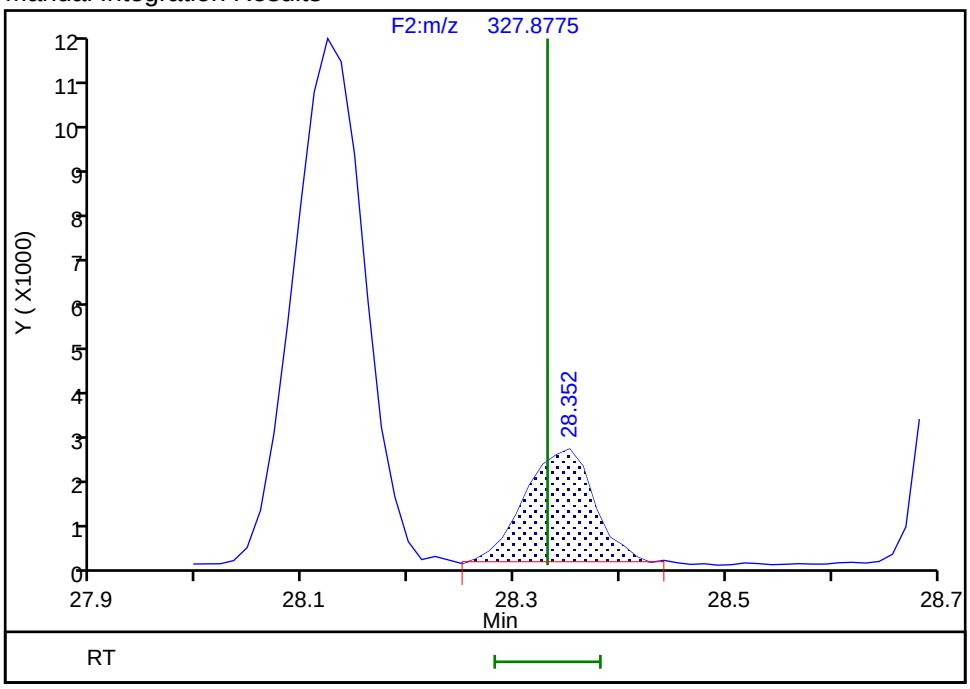
Not Detected
Expected RT: 28.33

Processing Integration Results




Manual Integration Results

RT: 28.35
Area: 10910
Amount: 2.000151
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:03:15
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

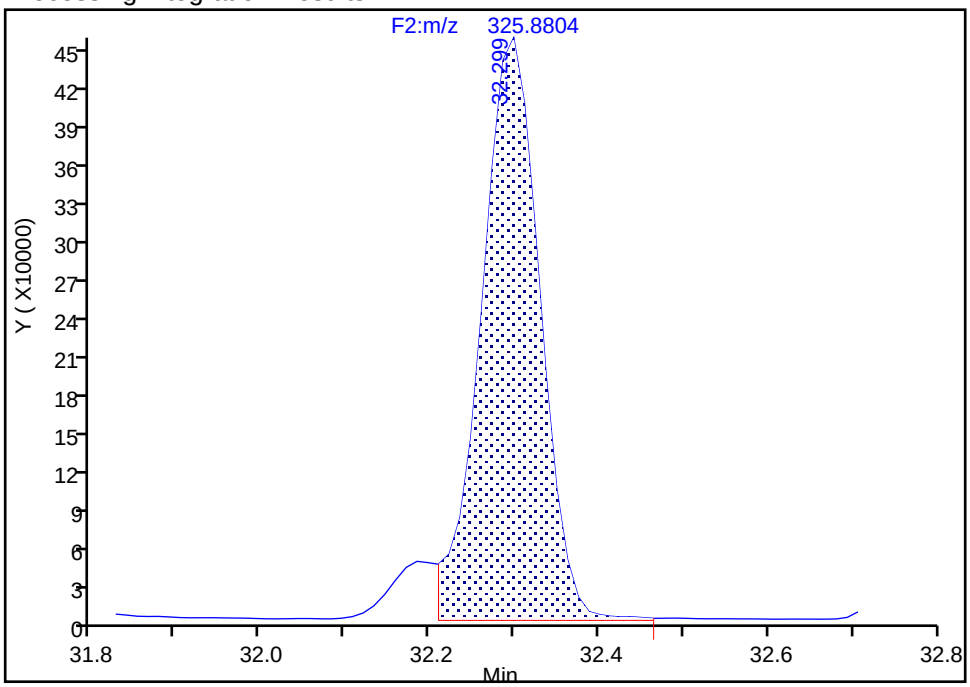
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

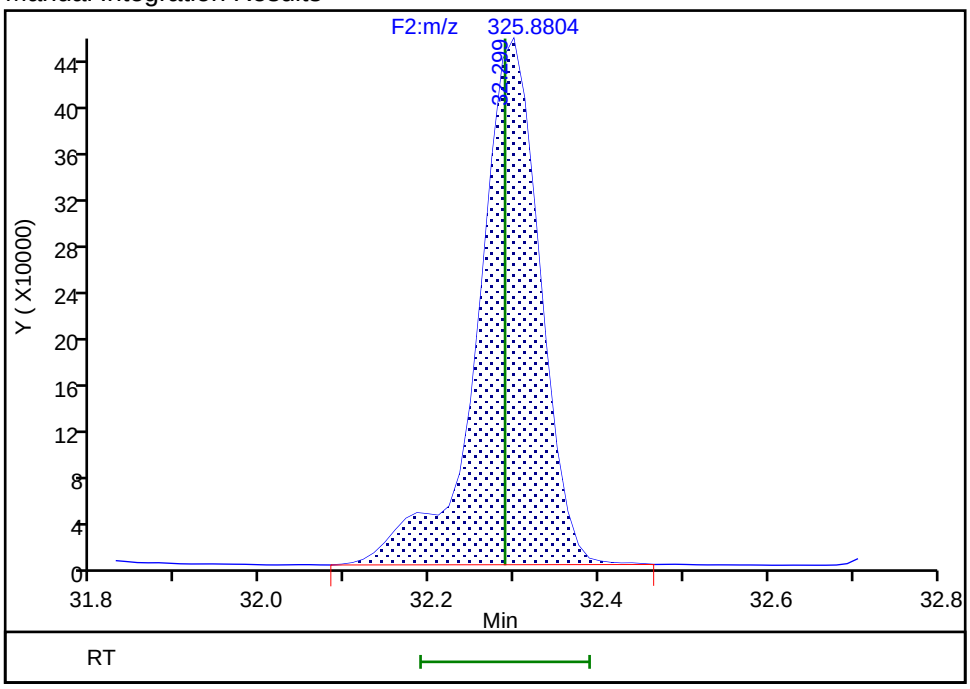
Processing Integration Results

RT: 32.30
Area: 2186725
Amount: 192.1525
Amount Units: pg/ul




Manual Integration Results

RT: 32.30
Area: 2329197
Amount: 199.8622
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:04:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

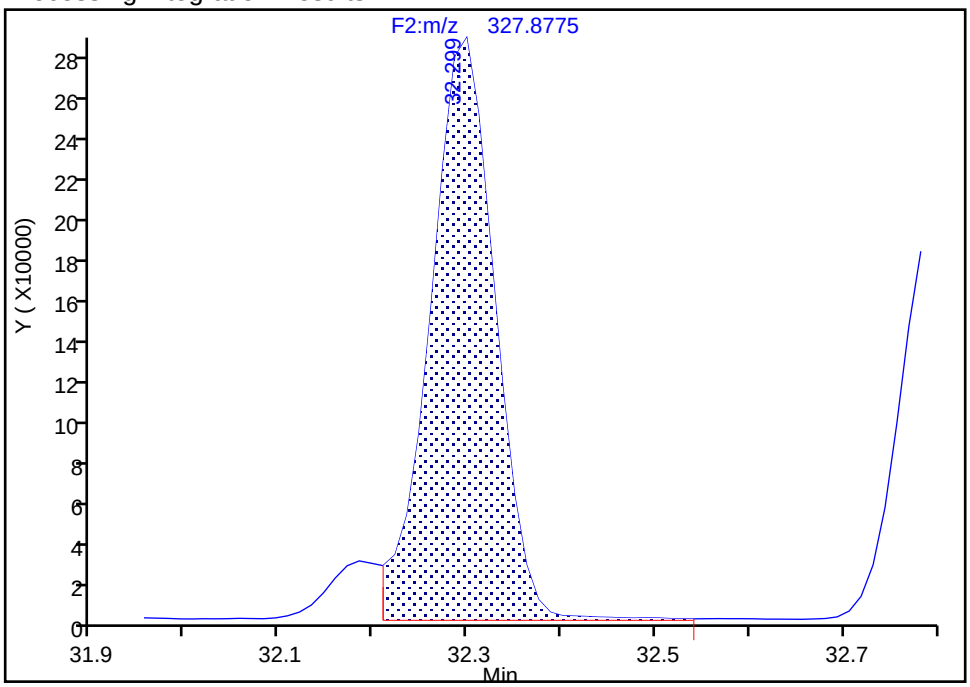
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

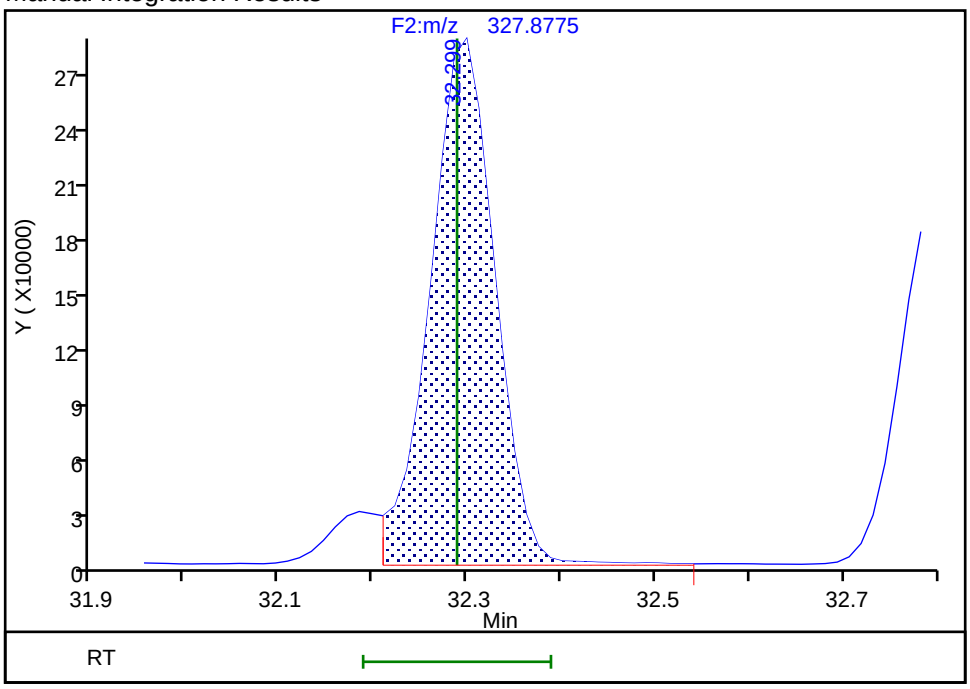
Processing Integration Results

RT: 32.30
Area: 1364163
Amount: 192.1525
Amount Units: pg/ul




Manual Integration Results

RT: 32.30
Area: 1364163
Amount: 199.8622
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:04:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

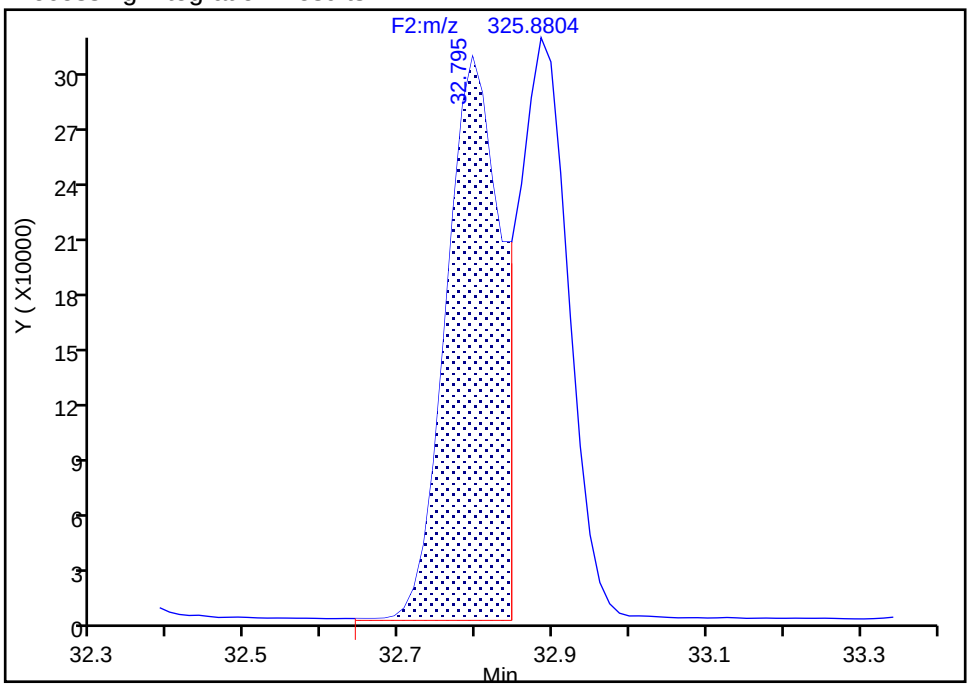
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

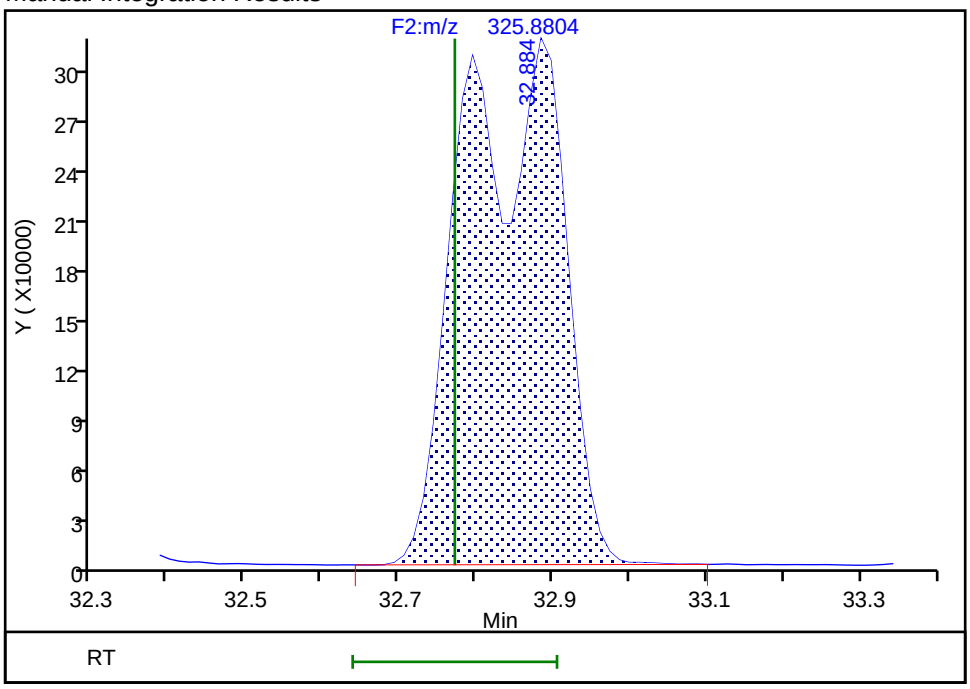
Processing Integration Results

RT: 32.80
Area: 1478155
Amount: 103.0187
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 2844023
Amount: 197.1795
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:05:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

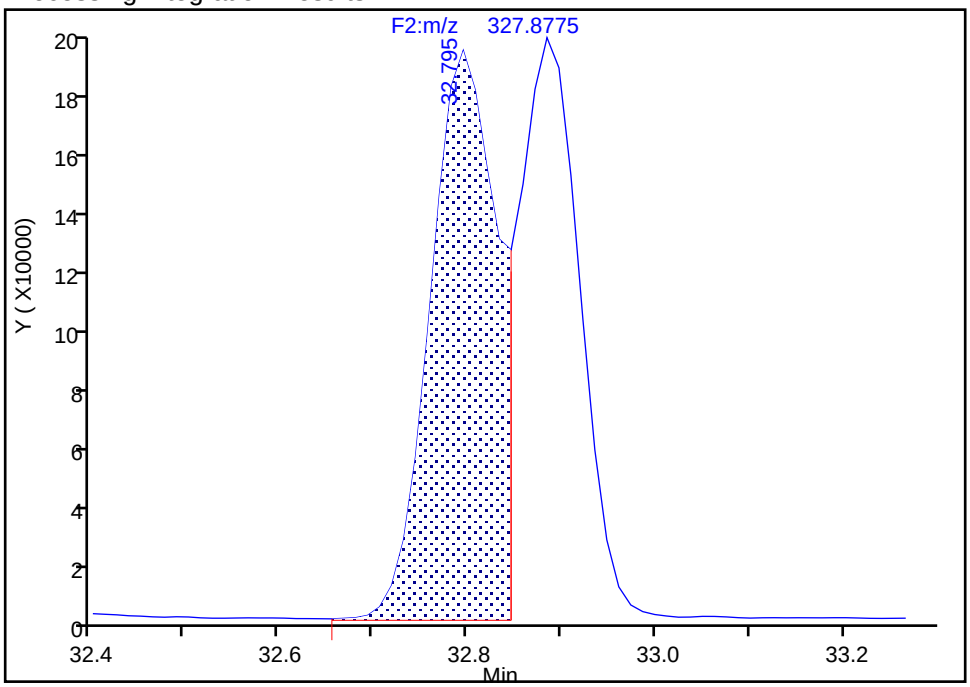
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

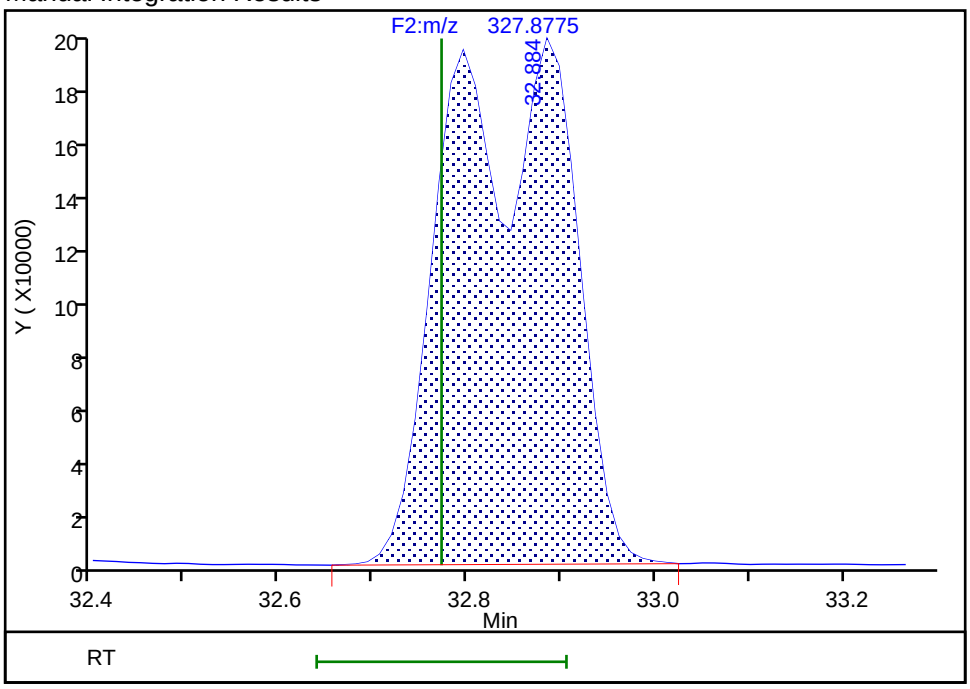
Processing Integration Results

RT: 32.80
Area: 945351
Amount: 103.0187
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 1794605
Amount: 197.1795
Amount Units: pg/ul



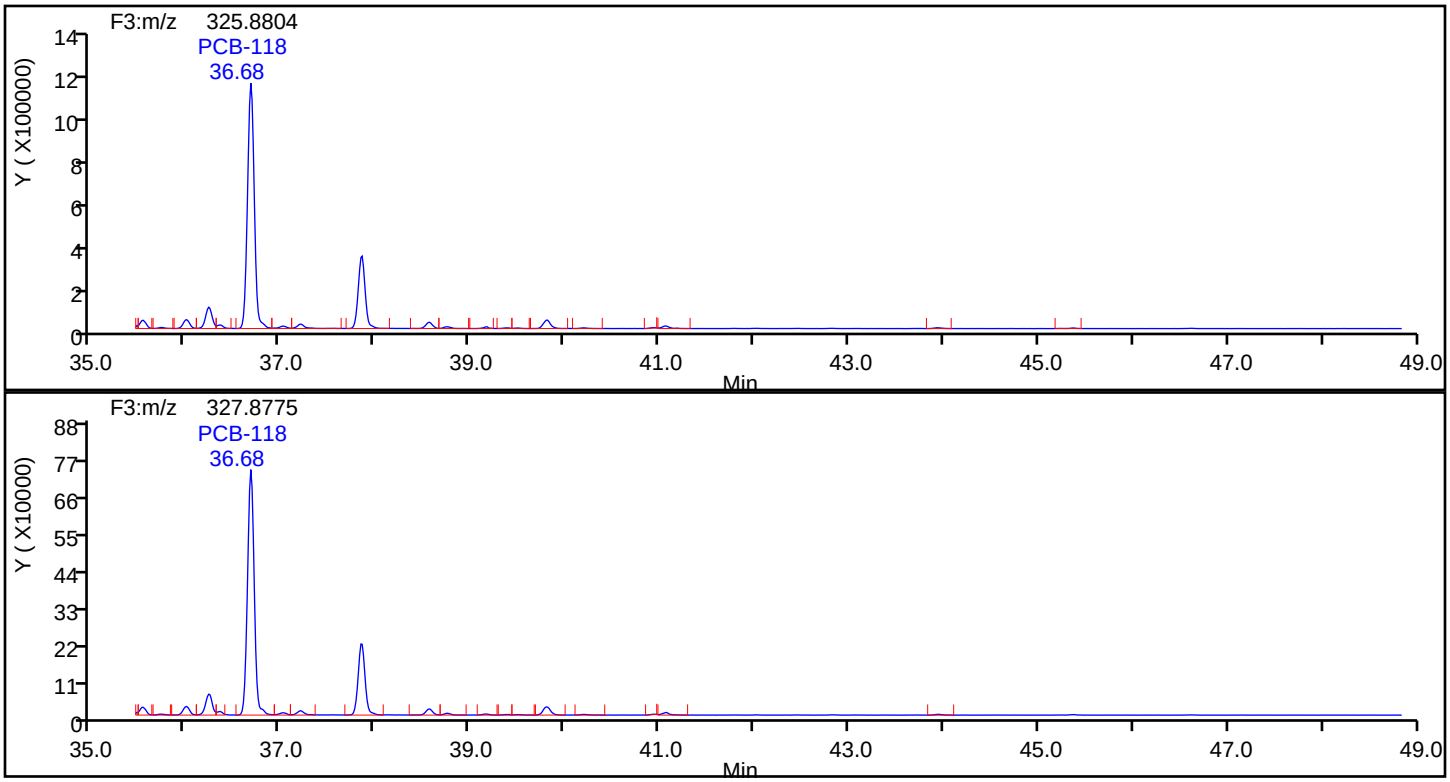

Reviewer: layk, 04-Oct-2019 11:05:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

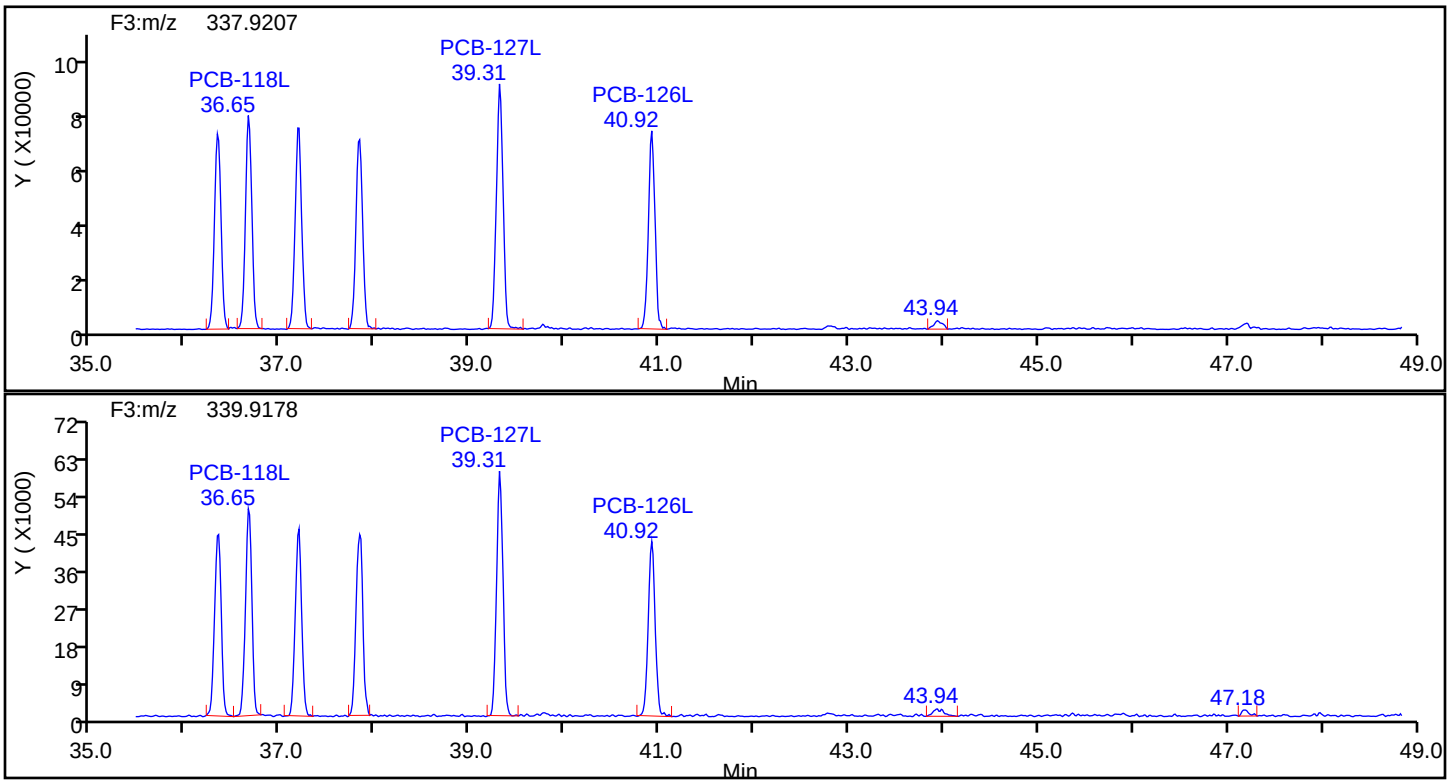
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



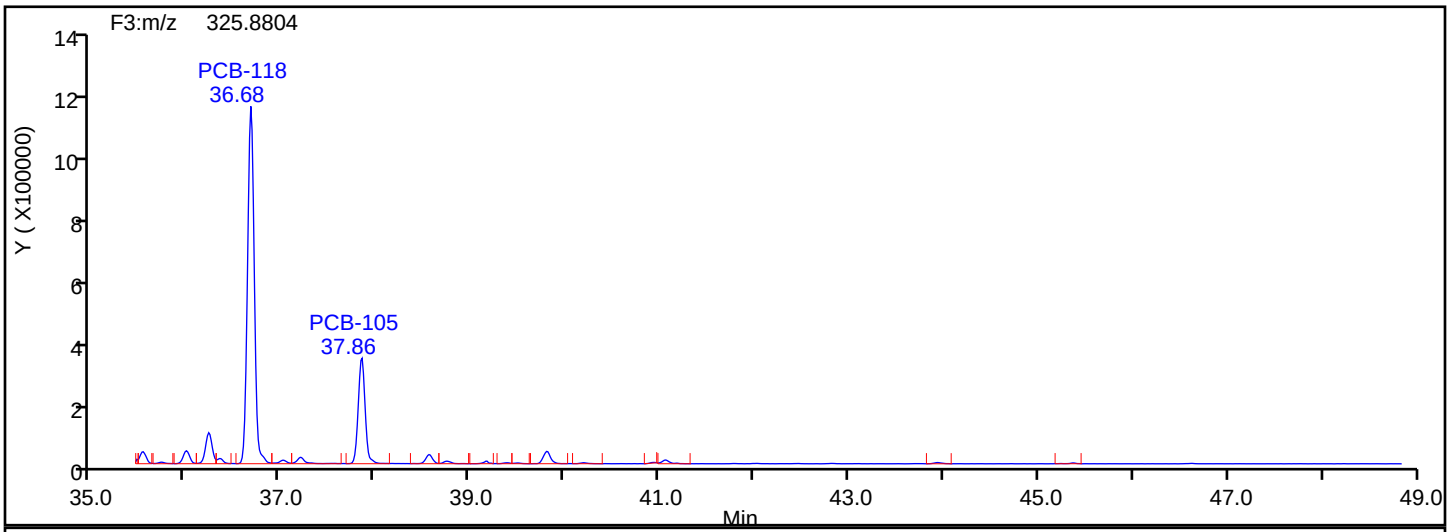

PePCB F3 Standards

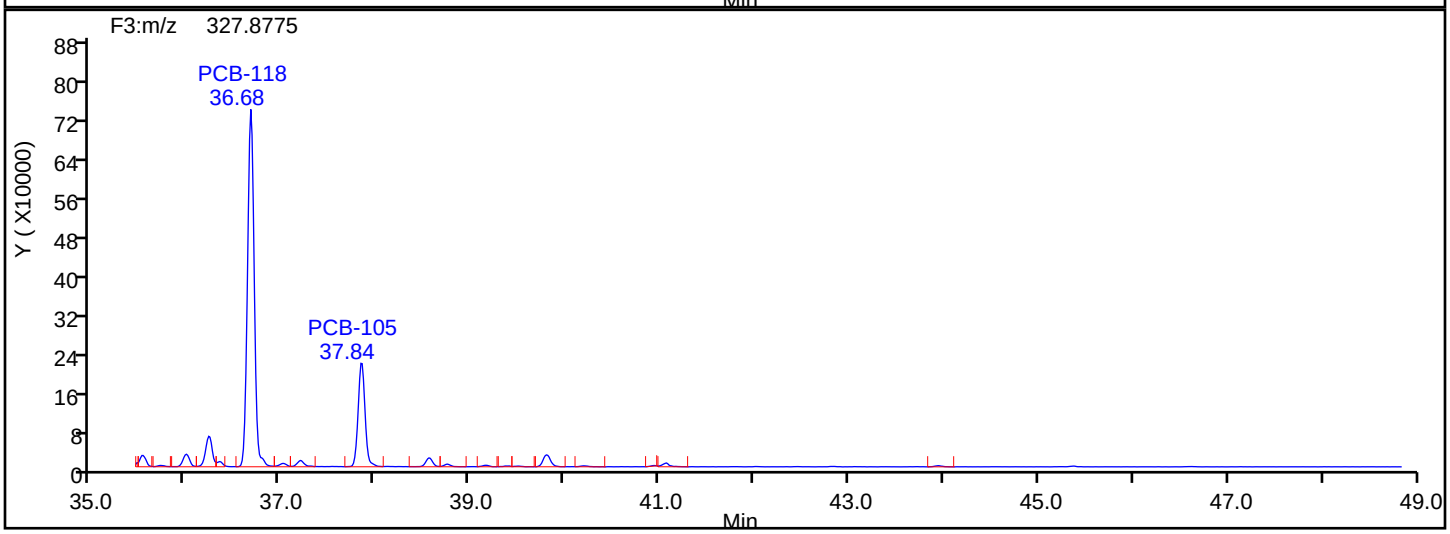


Eurofins TestAmerica, Knoxville

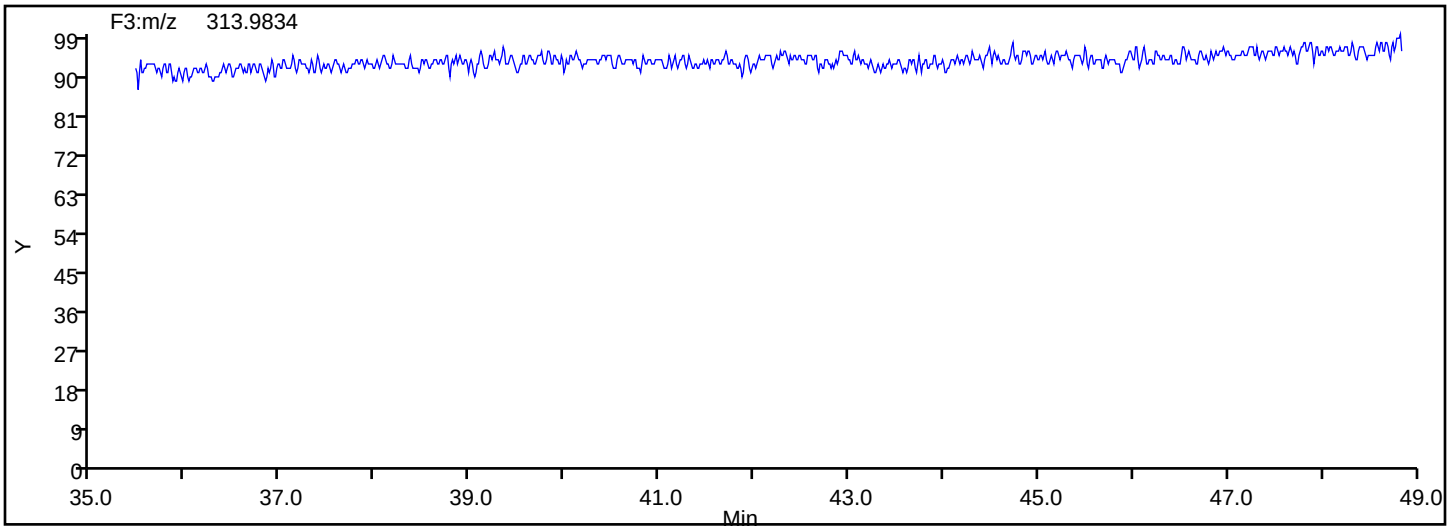
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

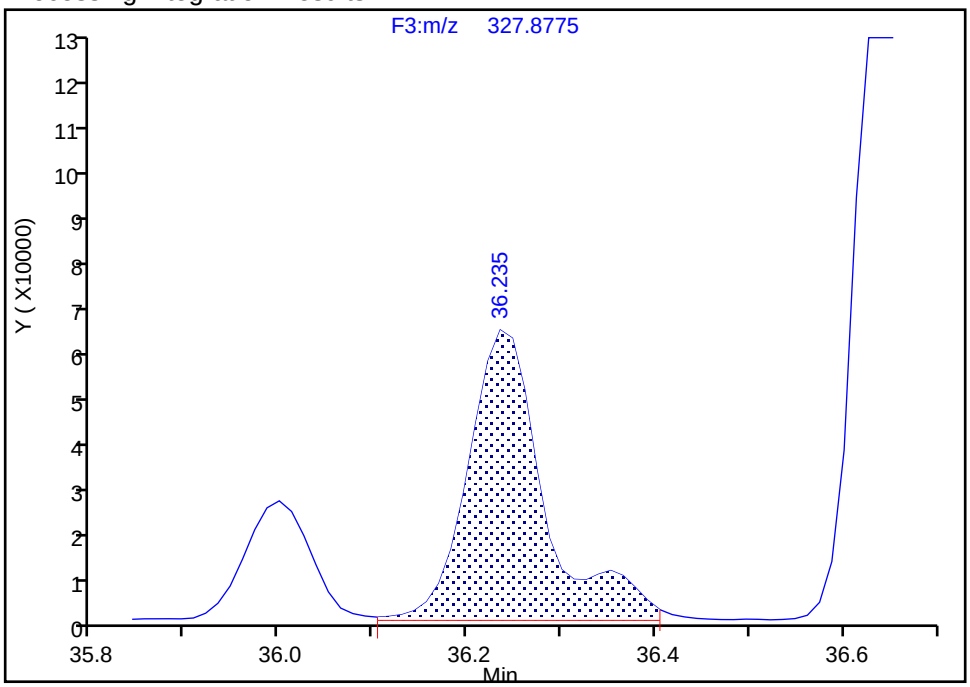
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

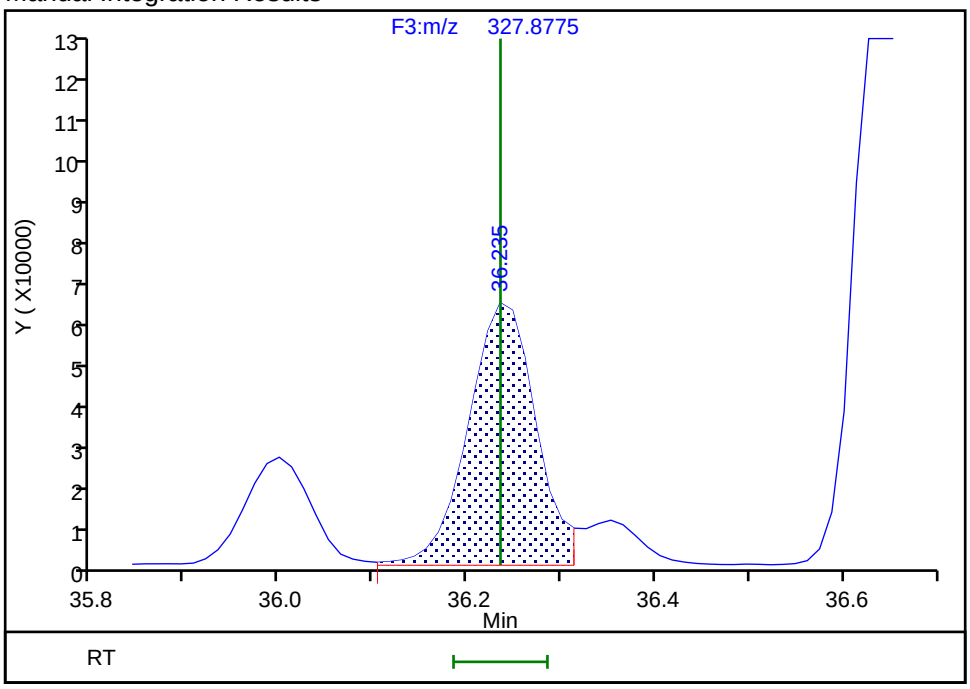
Processing Integration Results

RT: 36.23
Area: 354522
Amount: 21.775994
Amount Units: pg/ul




Manual Integration Results

RT: 36.23
Area: 310565
Amount: 20.636991
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:05:55

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

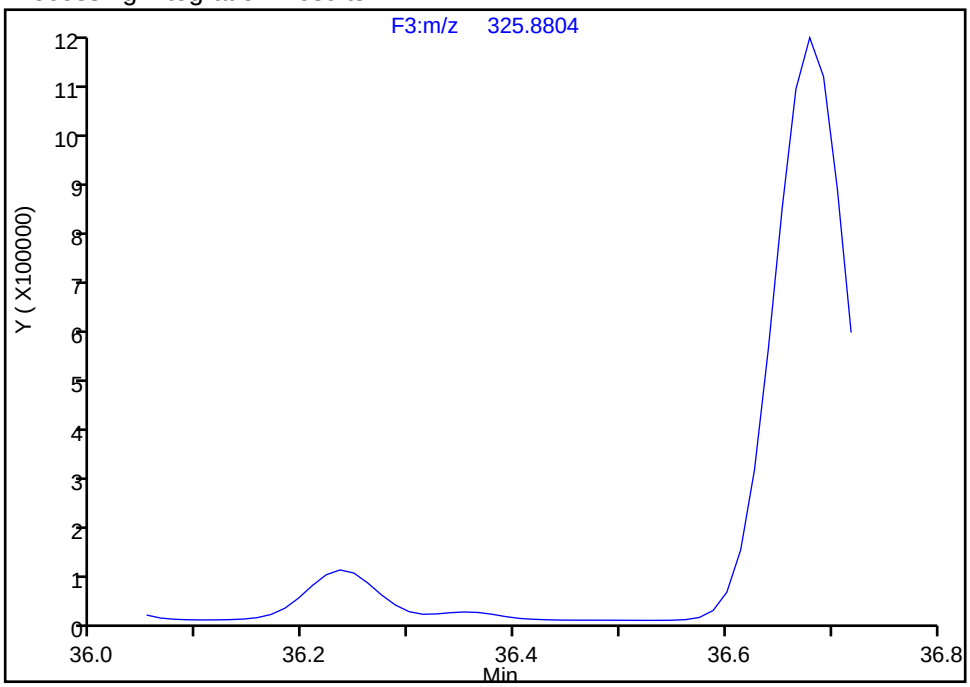
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-123, CAS: 65510-44-3

Signal: 1

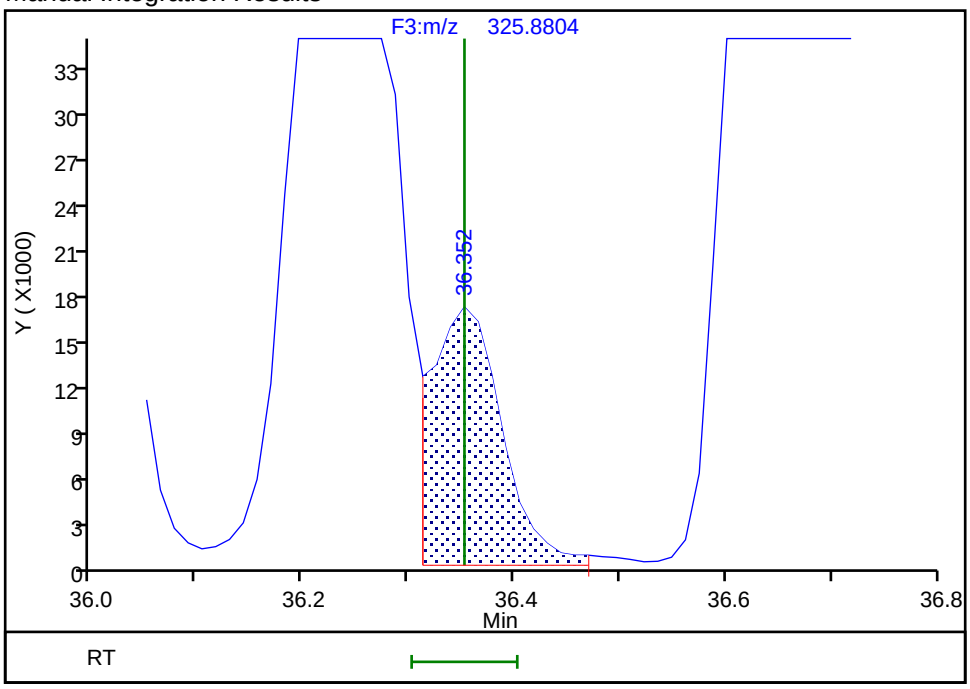
Not Detected
Expected RT: 36.35

Processing Integration Results




Manual Integration Results

RT: 36.35
Area: 75329
Amount: 3.172317
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:06:00
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

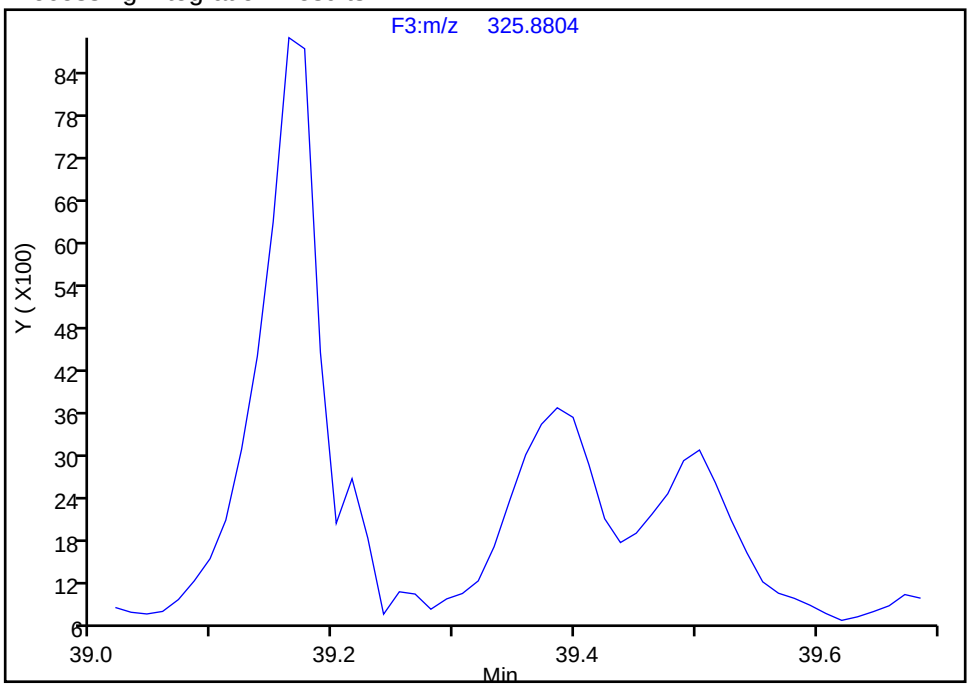
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 1

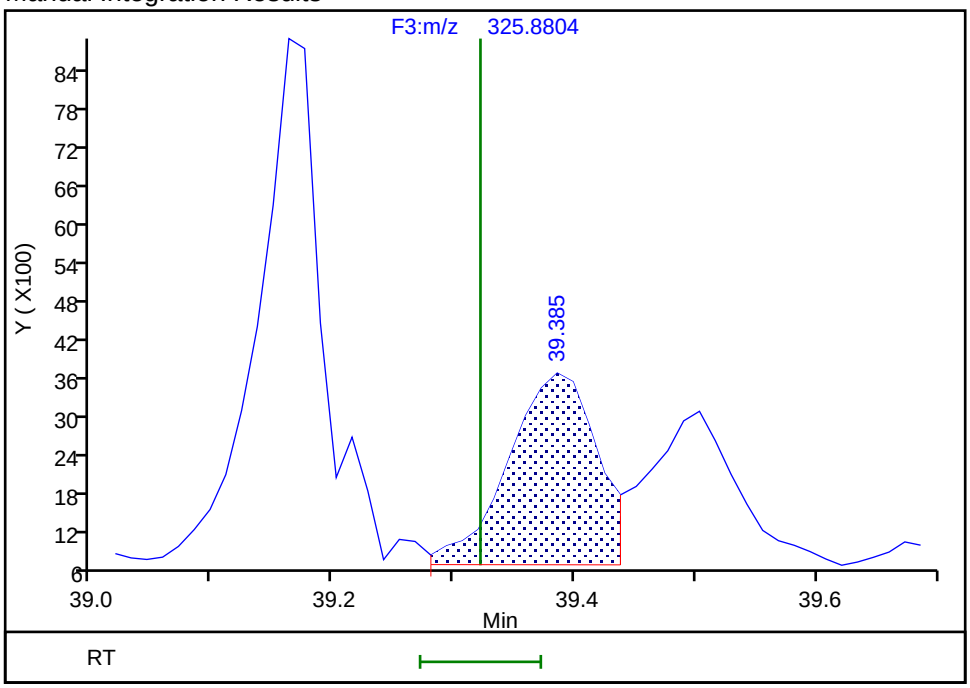
Not Detected
Expected RT: 39.32

Processing Integration Results




Manual Integration Results

RT: 39.39
Area: 14948
Amount: 0.648089
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:06:29
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

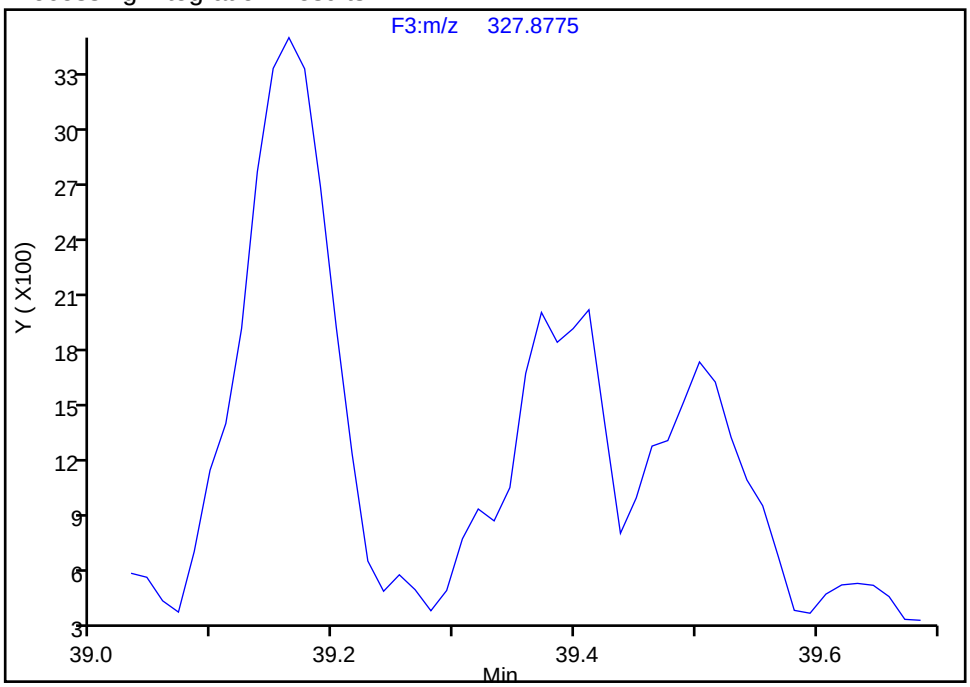
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 2

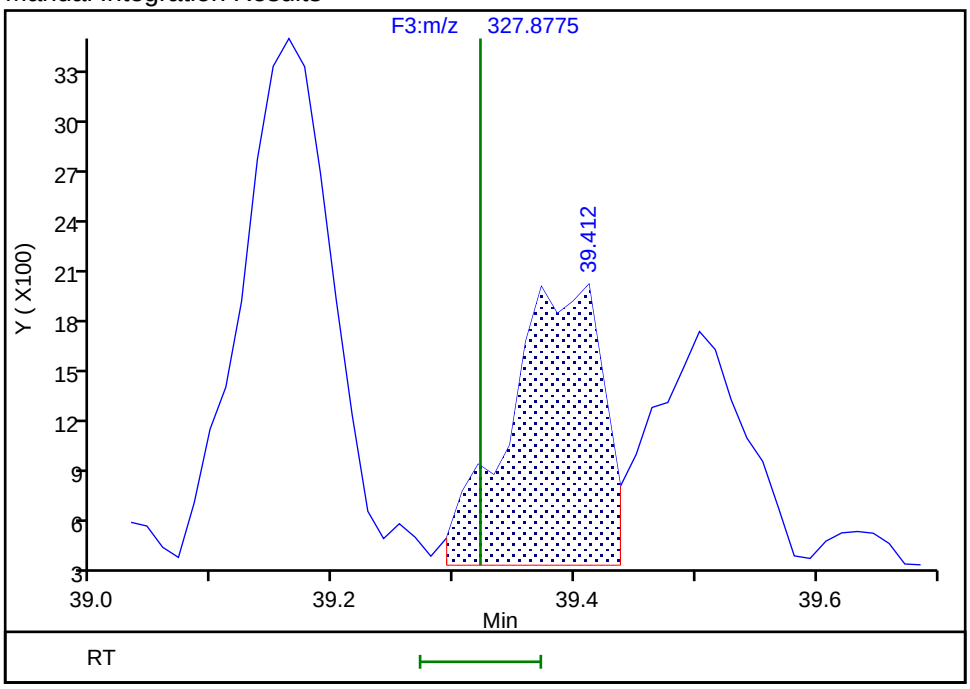
Not Detected
Expected RT: 39.32

Processing Integration Results




Manual Integration Results

RT: 39.41
Area: 8703
Amount: 0.648089
Amount Units: pg/ul



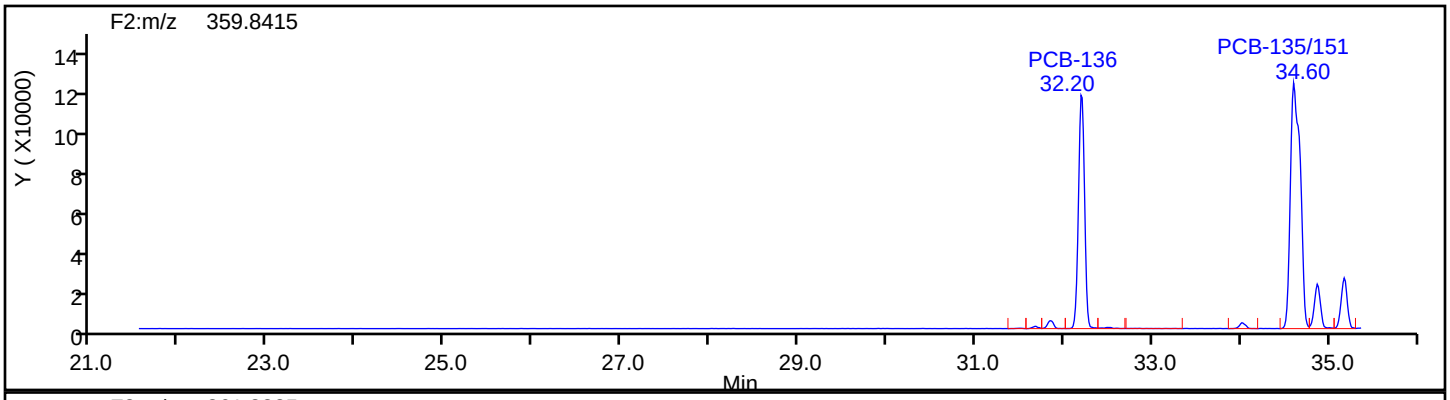

Reviewer: layk, 04-Oct-2019 11:06:32
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

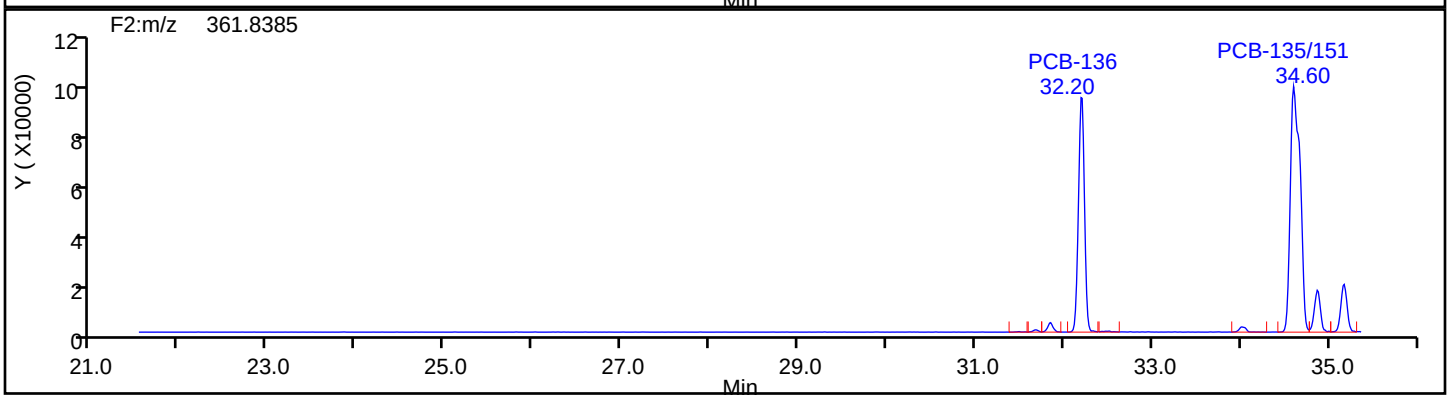
Report Date: 04-Oct-2019 14:14:46 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

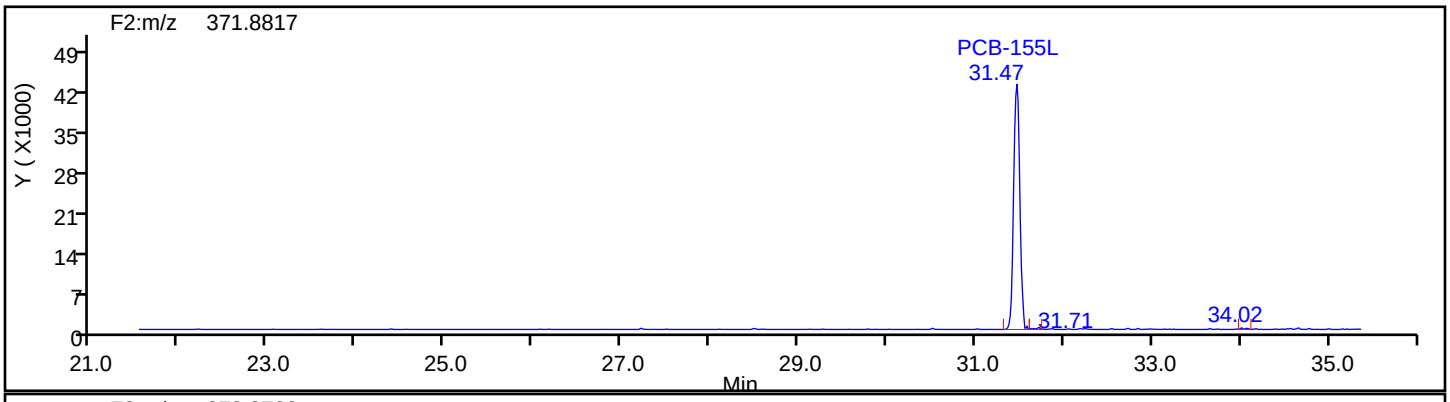
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

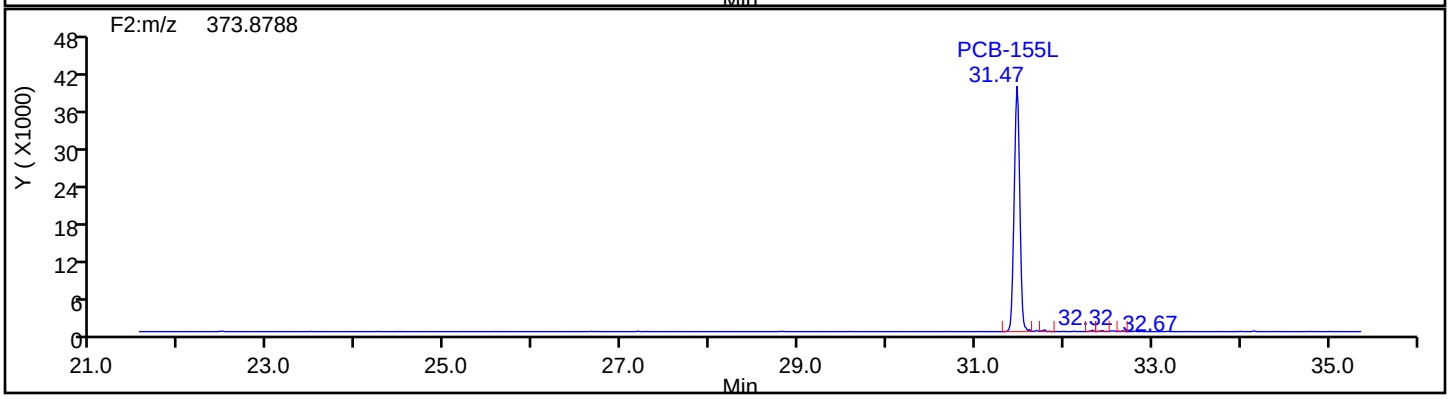
HxPCB F2




HxPCB F2 Standards

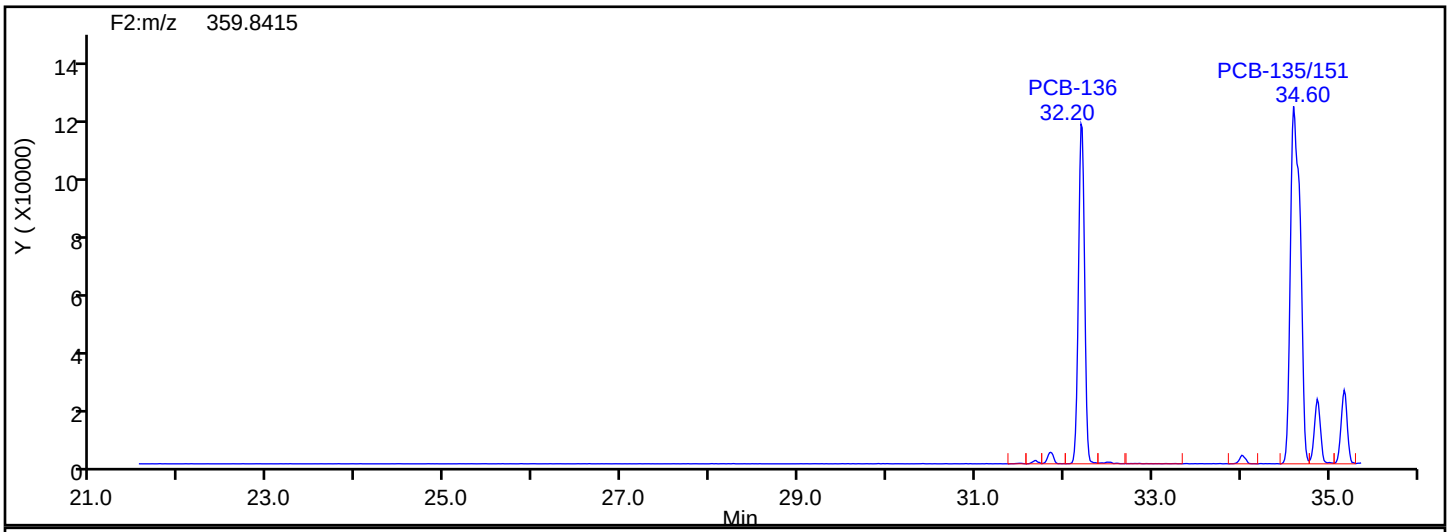


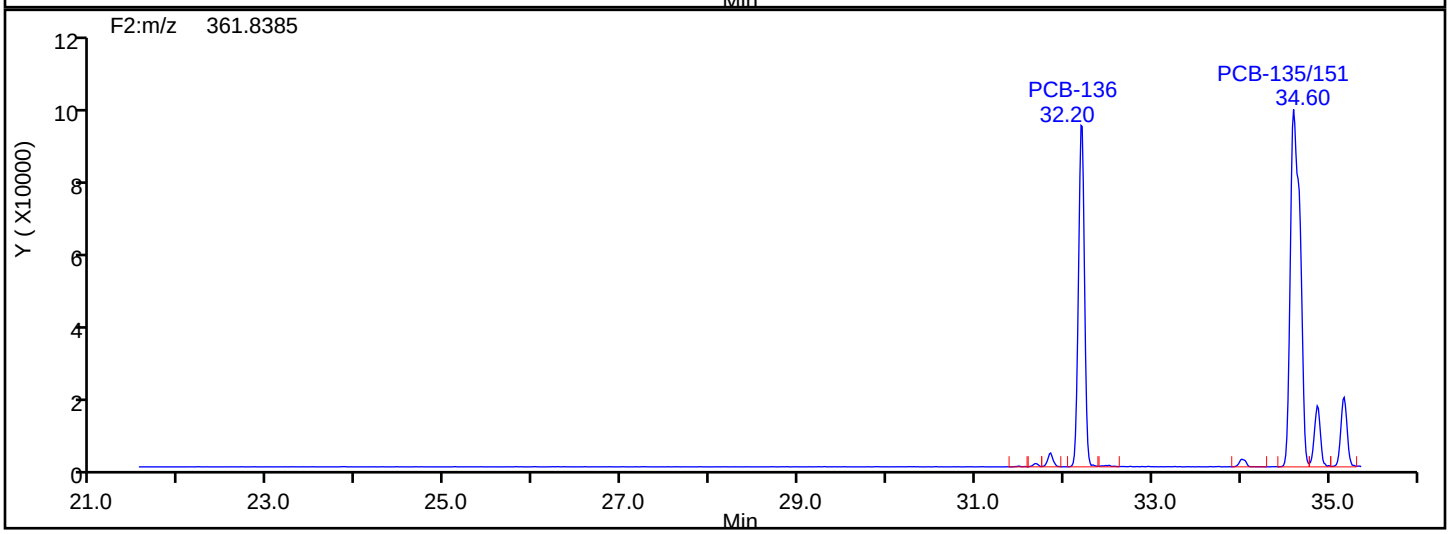



Eurofins TestAmerica, Knoxville

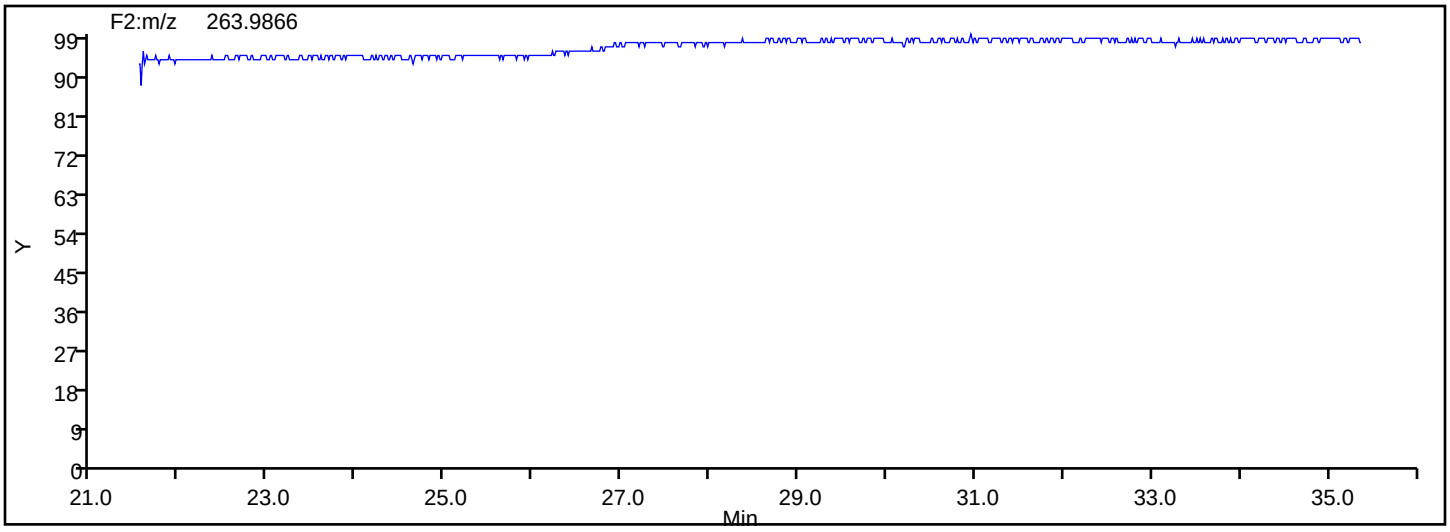
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

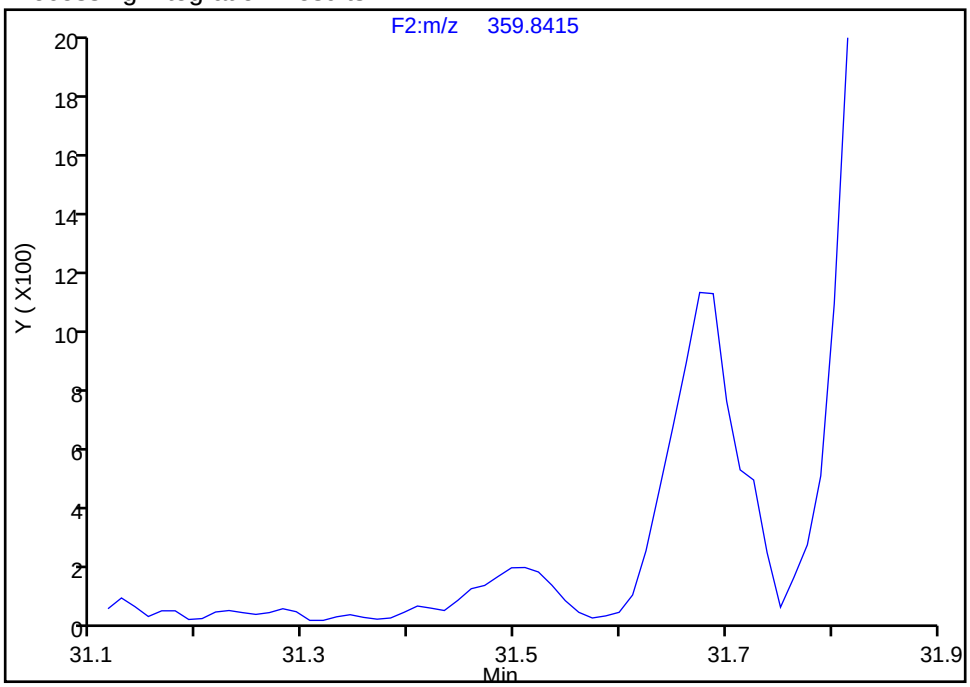
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-155, CAS: 33979-03-2

Signal: 1

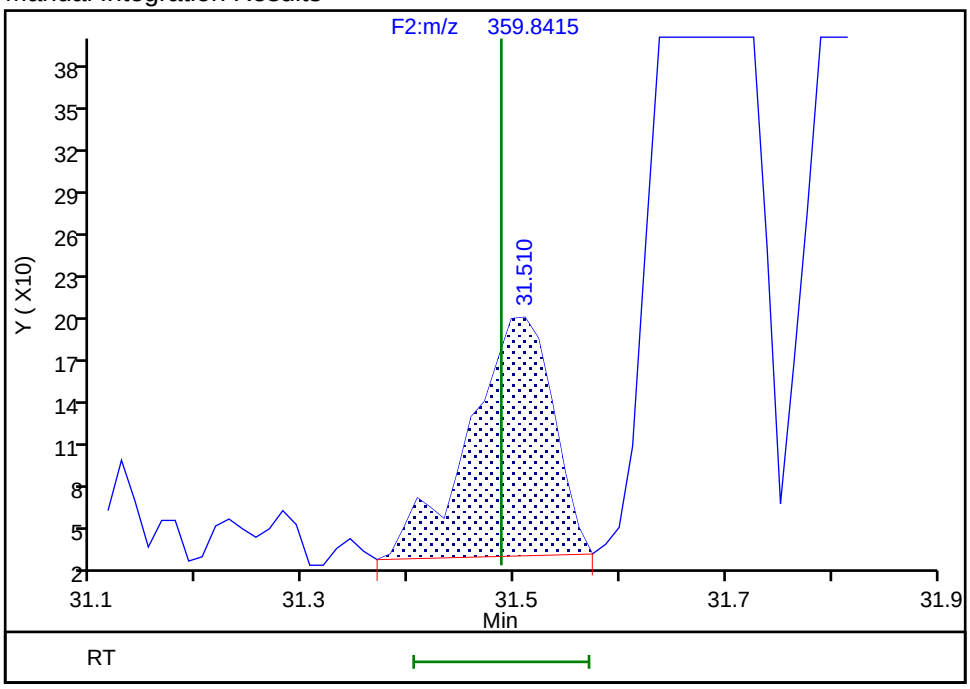
Not Detected
Expected RT: 31.49

Processing Integration Results




Manual Integration Results

RT: 31.51
Area: 938
Amount: 0.072489
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:07:49
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

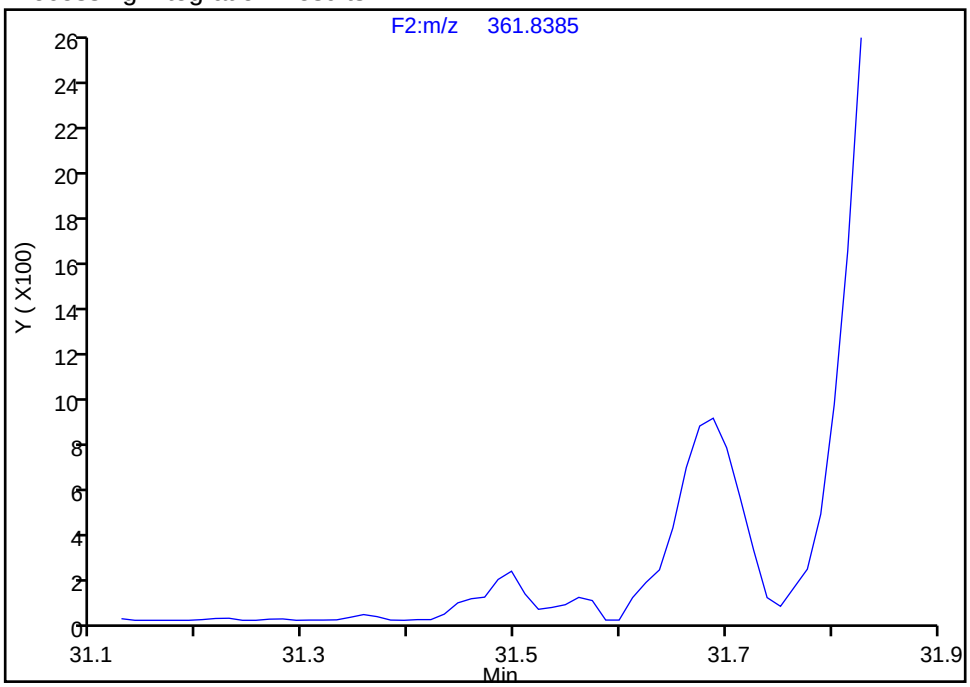
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-155, CAS: 33979-03-2

Signal: 2

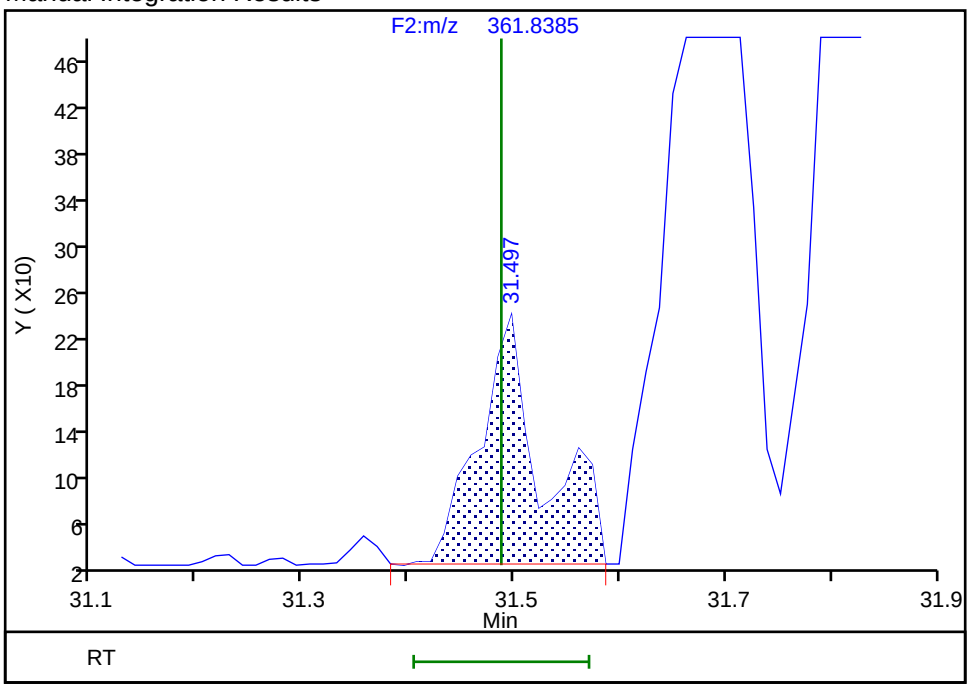
Processing Integration Results

Not Detected
Expected RT: 31.49




Manual Integration Results

RT: 31.50
Area: 881
Amount: 0.072489
Amount Units: pg/ul



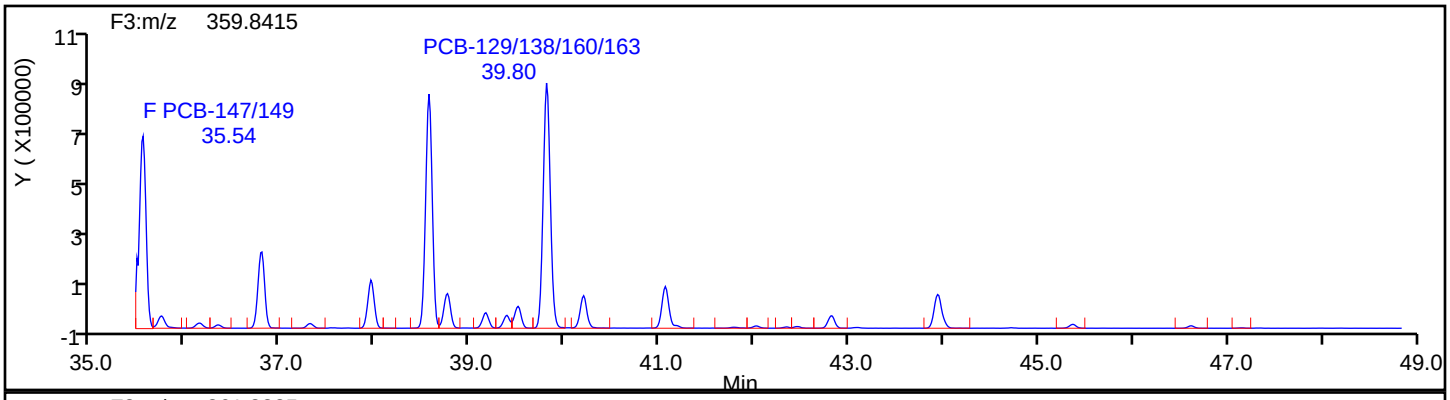

Reviewer: layk, 04-Oct-2019 11:07:54
Audit Action: Manually Integrated Audit Reason: Assign Peak

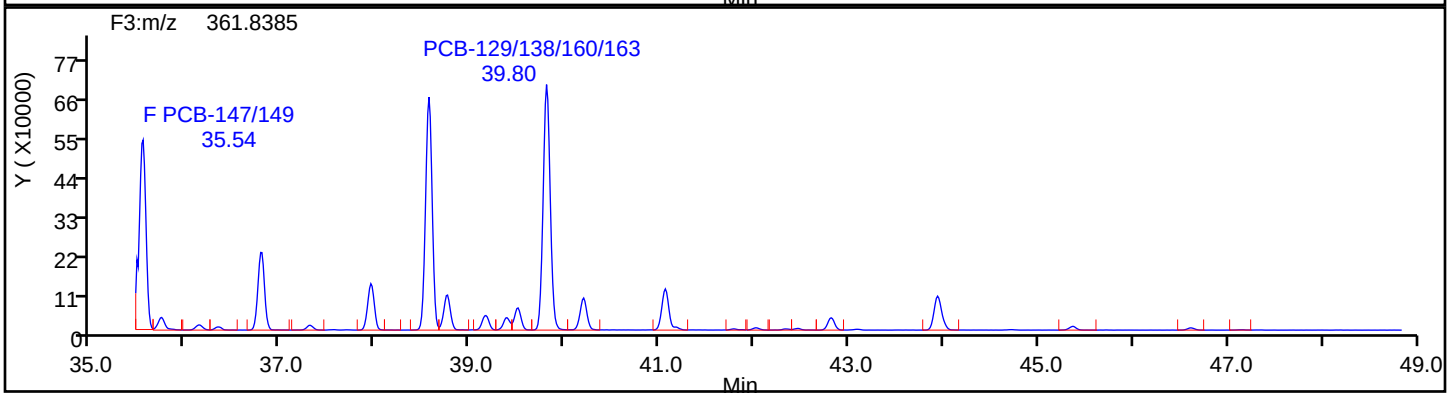
Report Date: 04-Oct-2019 14:14:47 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

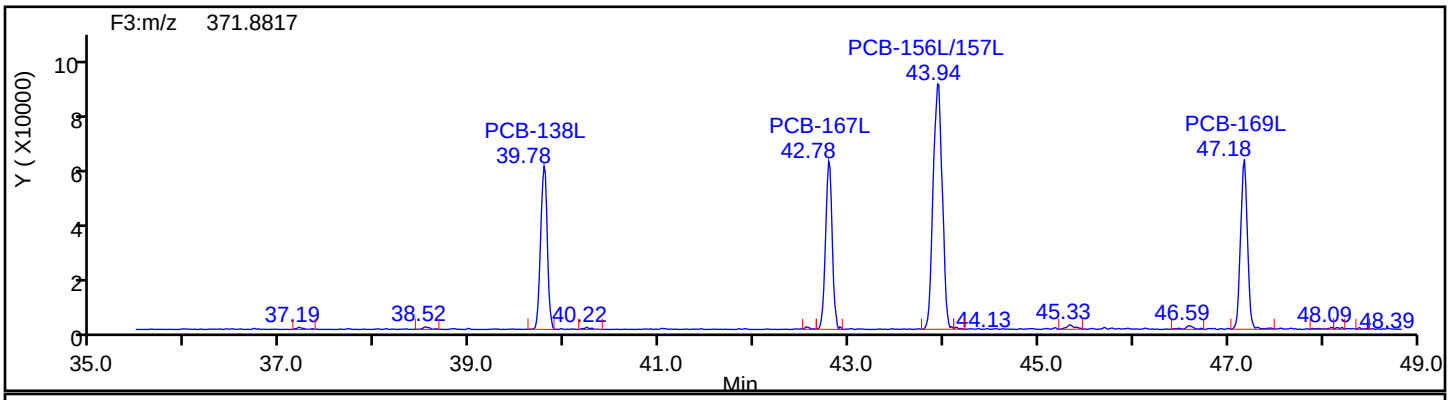
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

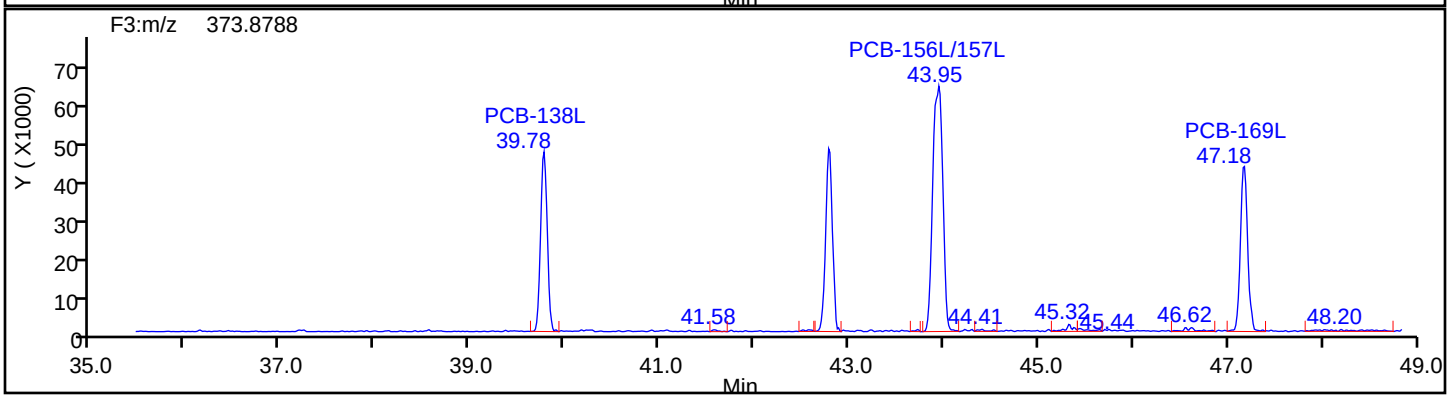
HxPCB F3




HxPCB F3 Standards

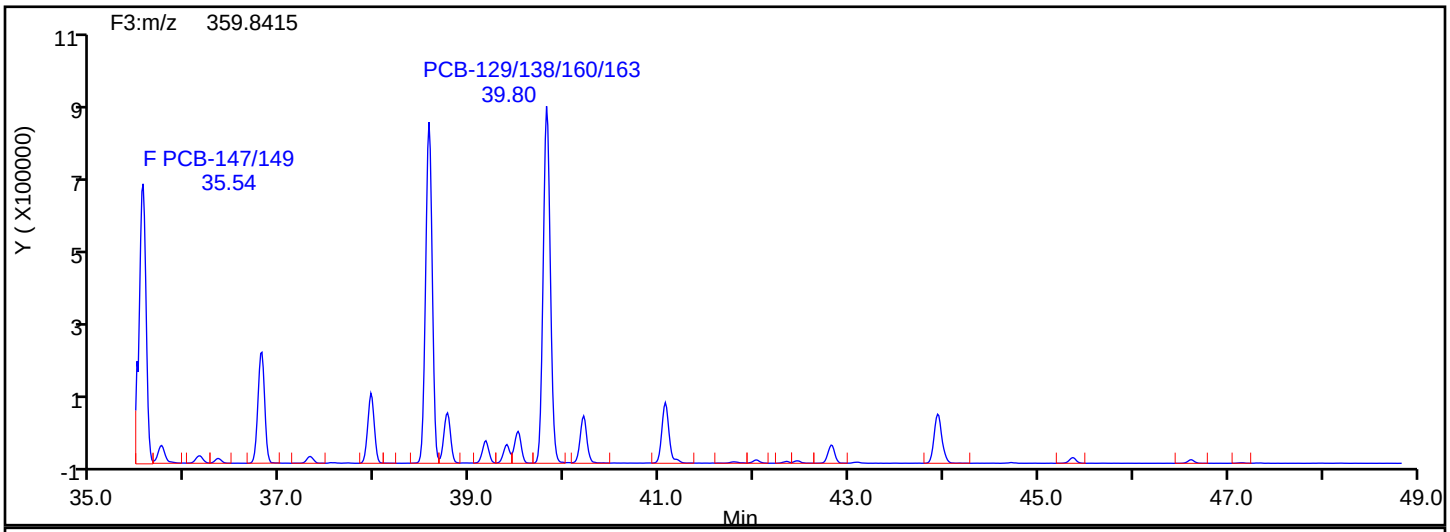


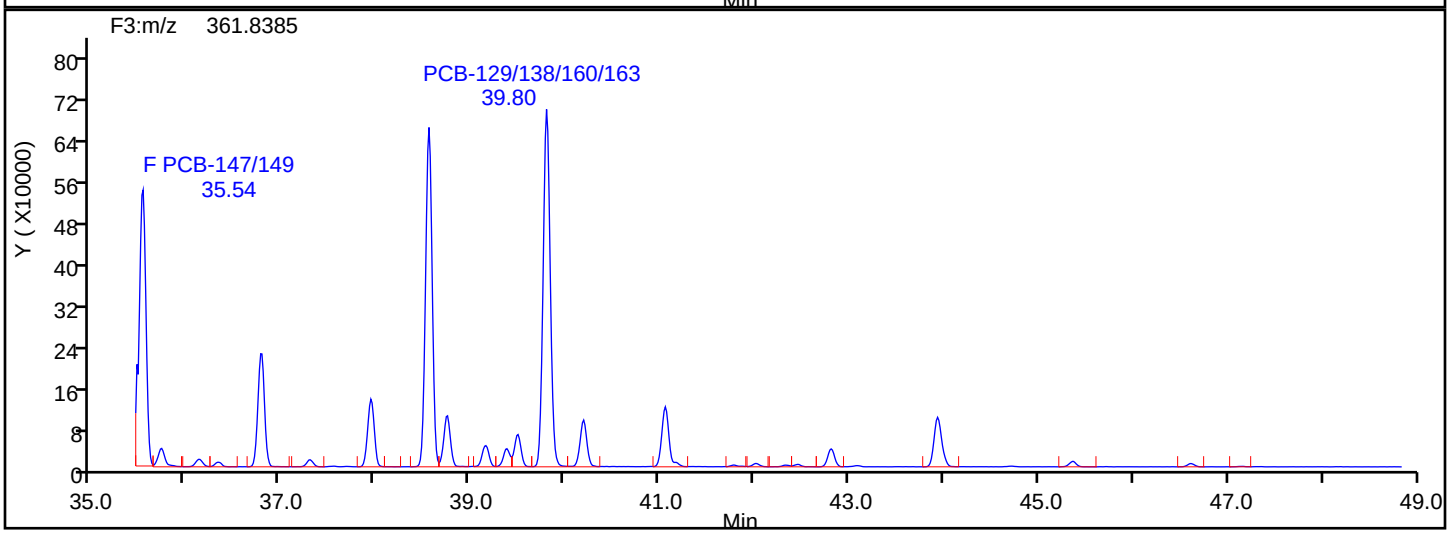



Eurofins TestAmerica, Knoxville

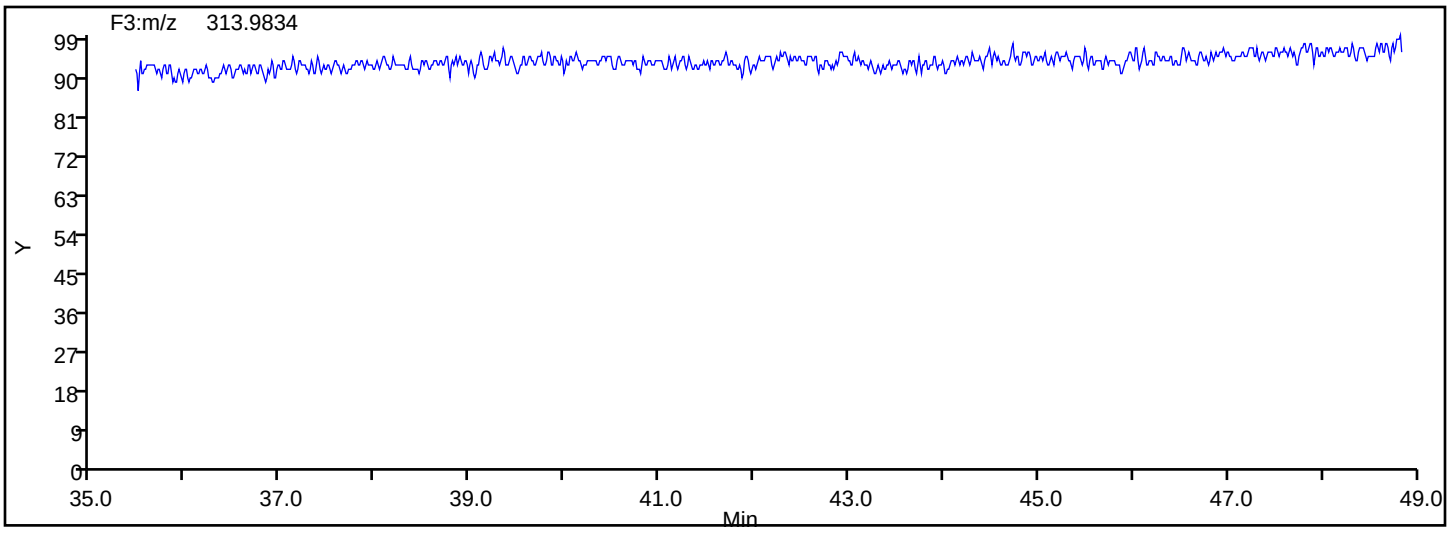
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

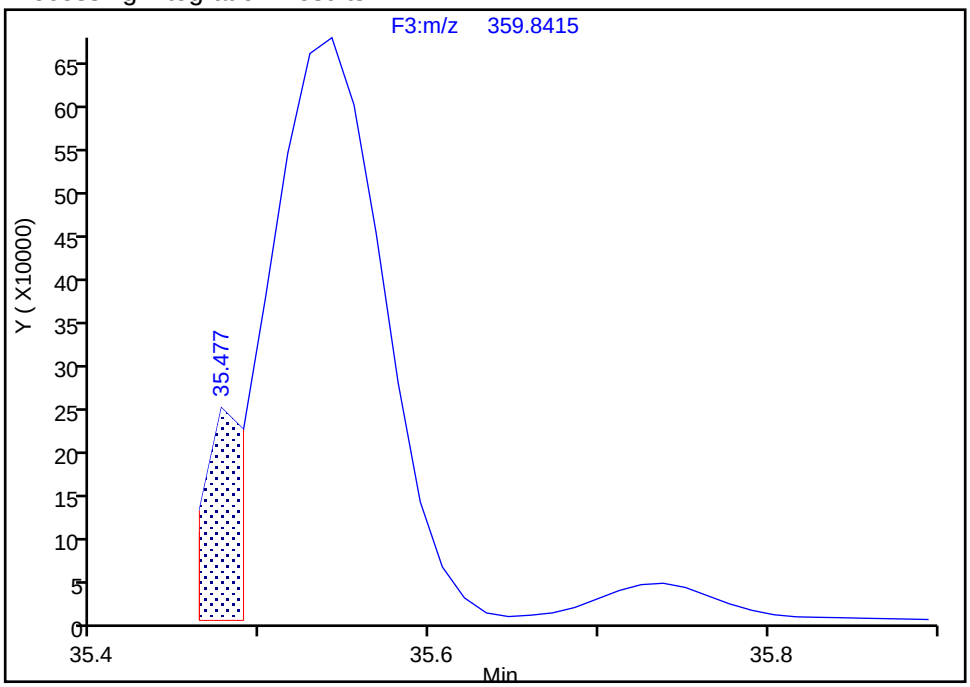
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 1

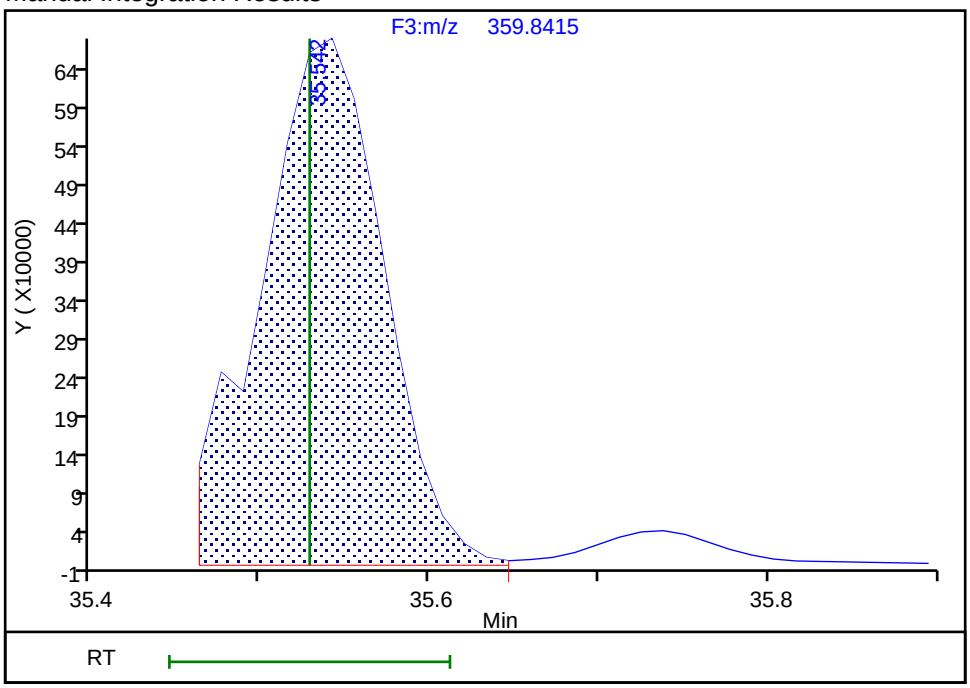
Processing Integration Results

RT: 35.48
Area: 331555
Amount: 22.651084
Amount Units: pg/ul




Manual Integration Results

RT: 35.54
Area: 3436463
Amount: 231.5974
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:23:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

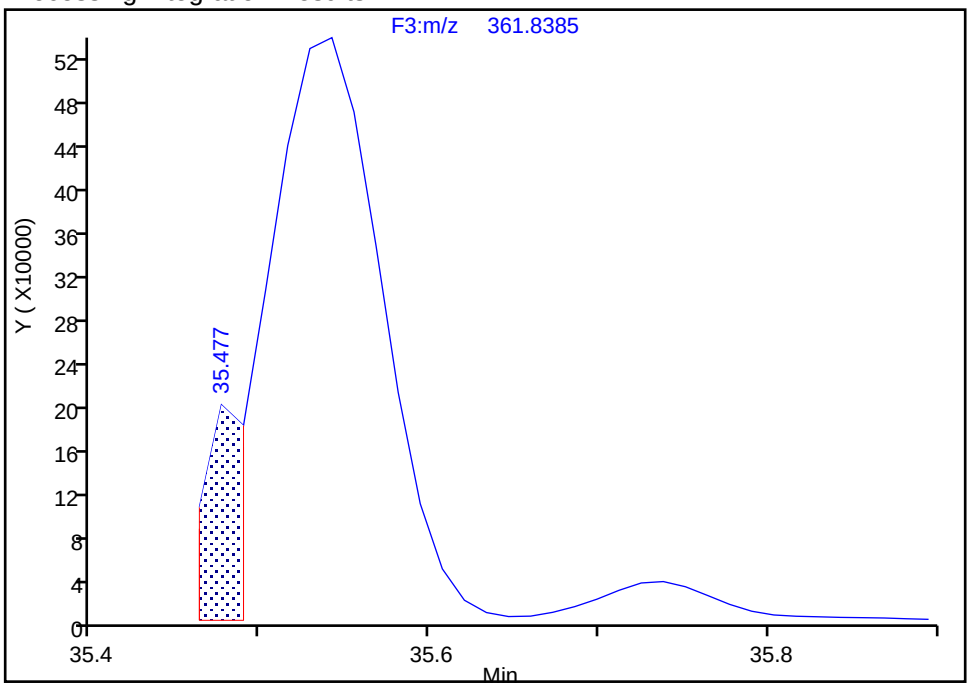
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-147/149, CAS: STL01821

Signal: 2

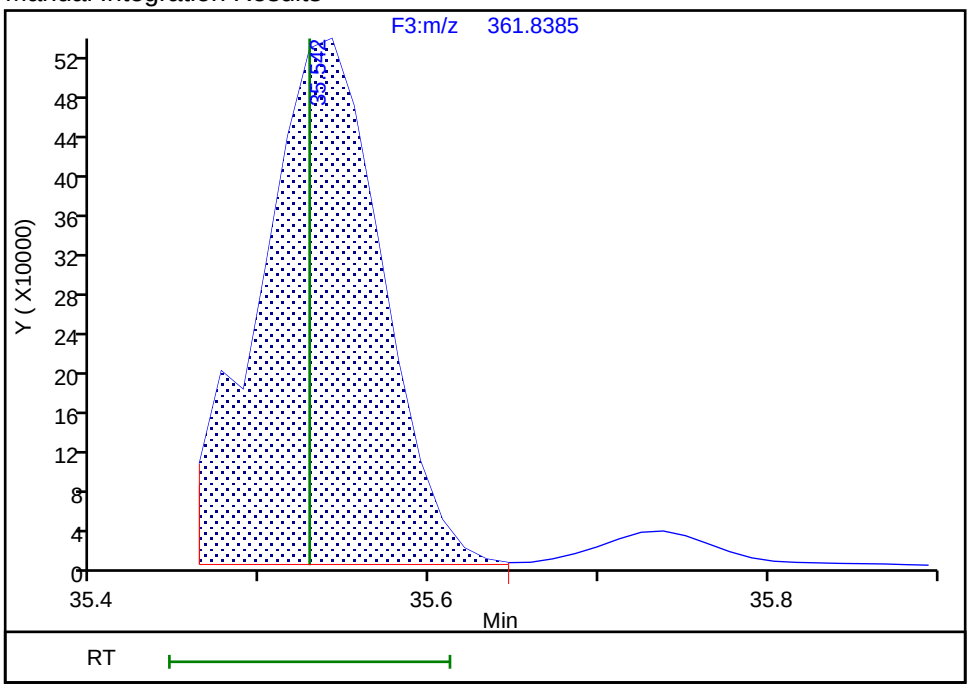
Processing Integration Results

RT: 35.48
Area: 267025
Amount: 22.651084
Amount Units: pg/ul




Manual Integration Results

RT: 35.54
Area: 2683756
Amount: 231.5974
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:24:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

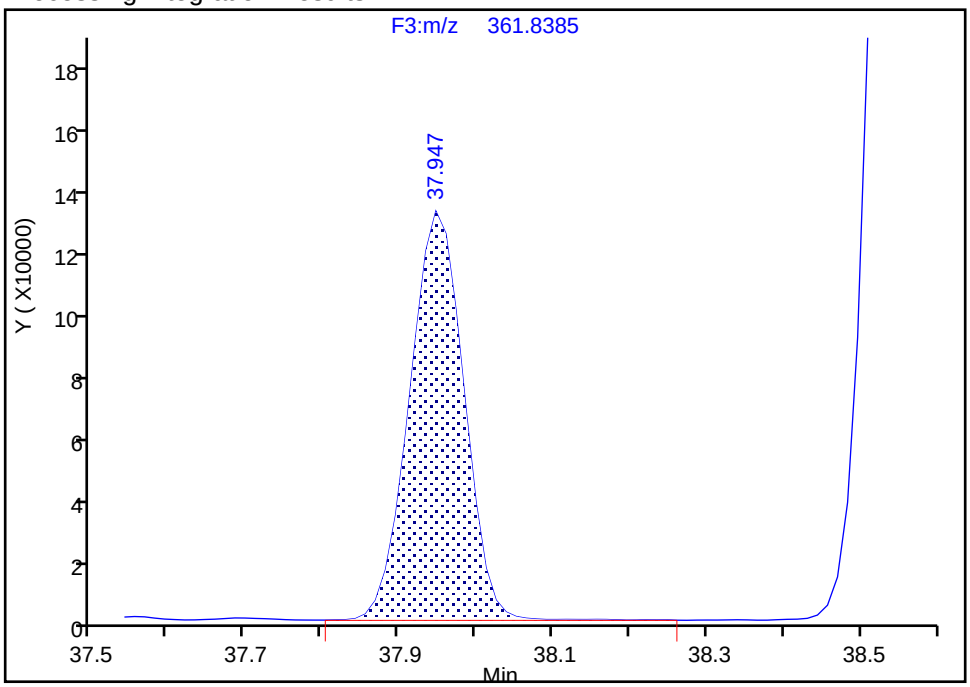
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 2

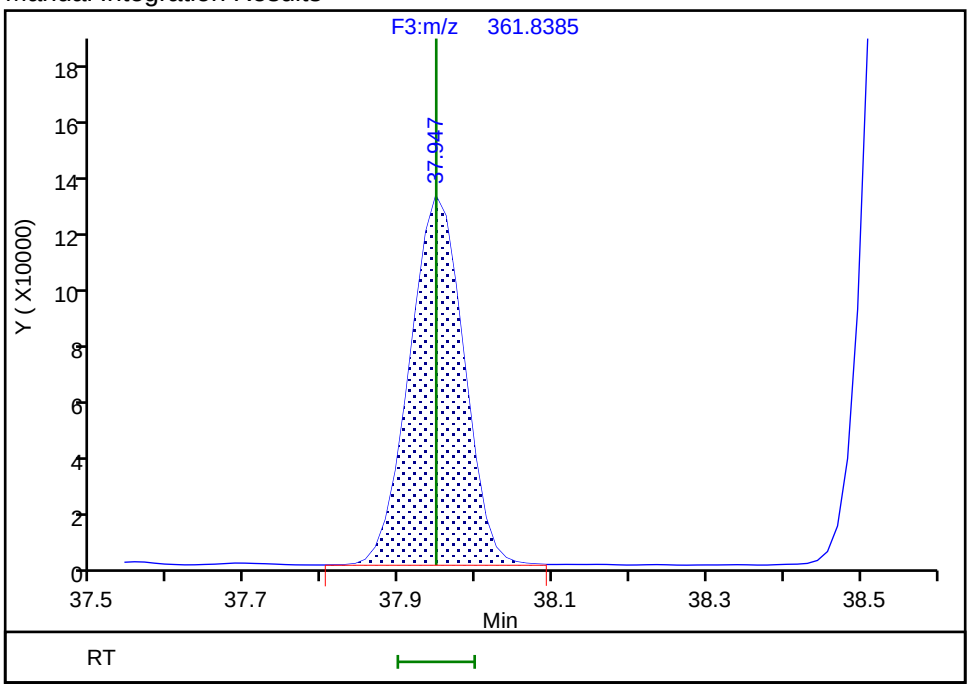
Processing Integration Results

RT: 37.95
Area: 643850
Amount: 53.449635
Amount Units: pg/ul




Manual Integration Results

RT: 37.95
Area: 641700
Amount: 53.312469
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:25:46

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

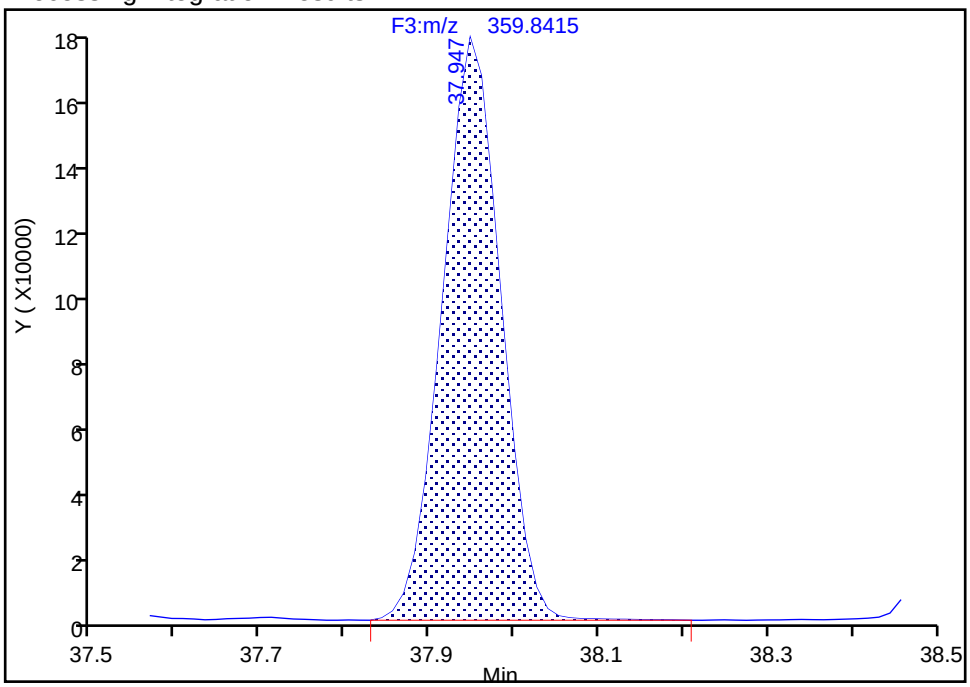
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-146, CAS: 51908-16-8

Signal: 1

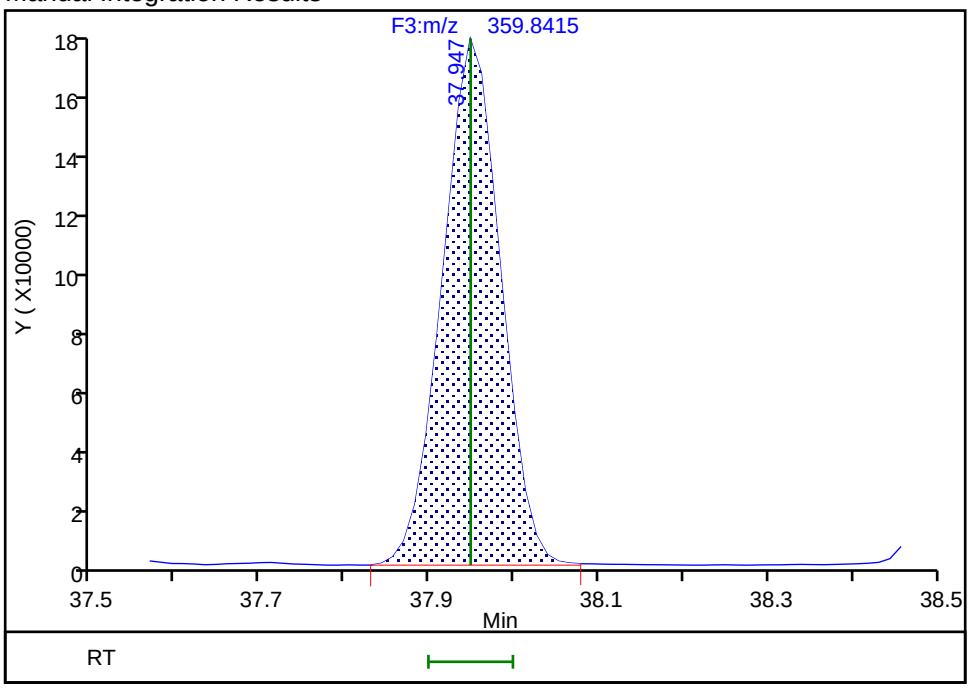
Processing Integration Results

RT: 37.95
Area: 817423
Amount: 53.449635
Amount Units: pg/ul




Manual Integration Results

RT: 37.95
Area: 815823
Amount: 53.312469
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:25:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

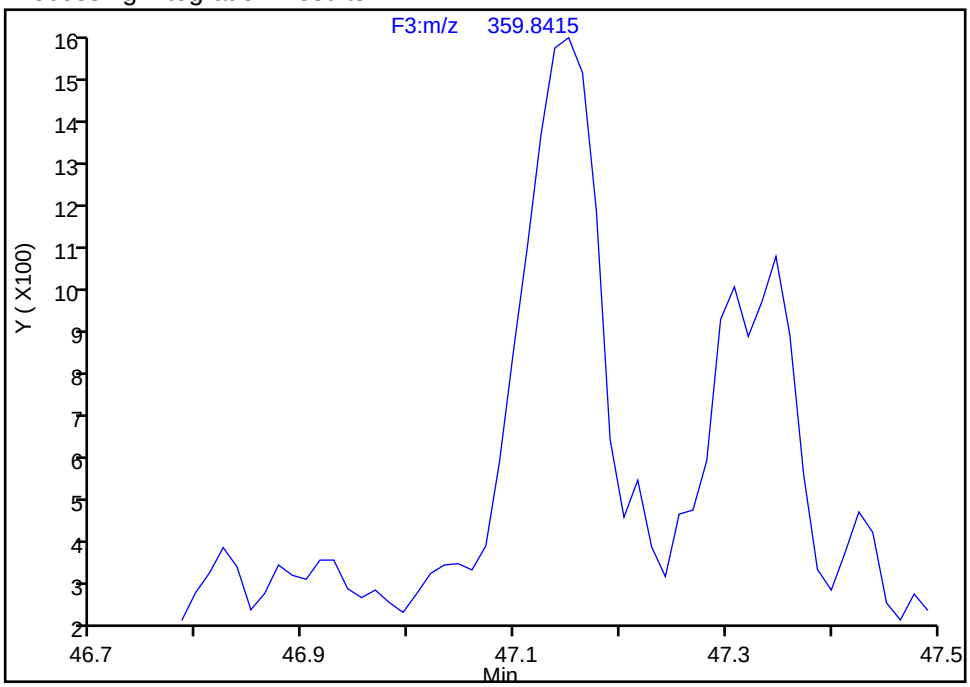
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 1

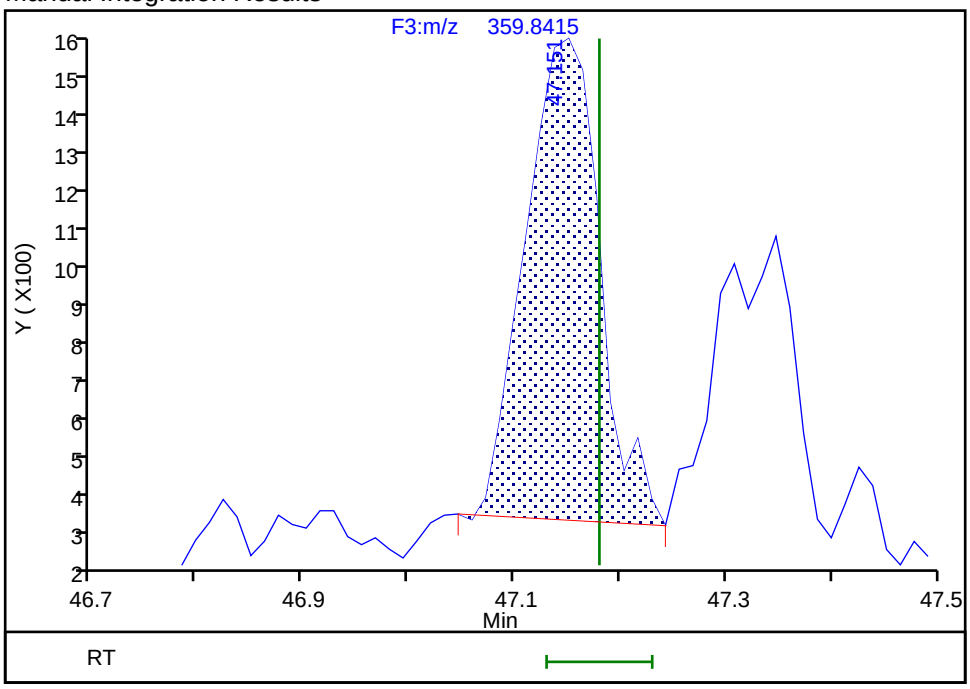
Not Detected
Expected RT: 47.18

Processing Integration Results




Manual Integration Results

RT: 47.15
Area: 5833
Amount: 0.295022
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:26:37
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

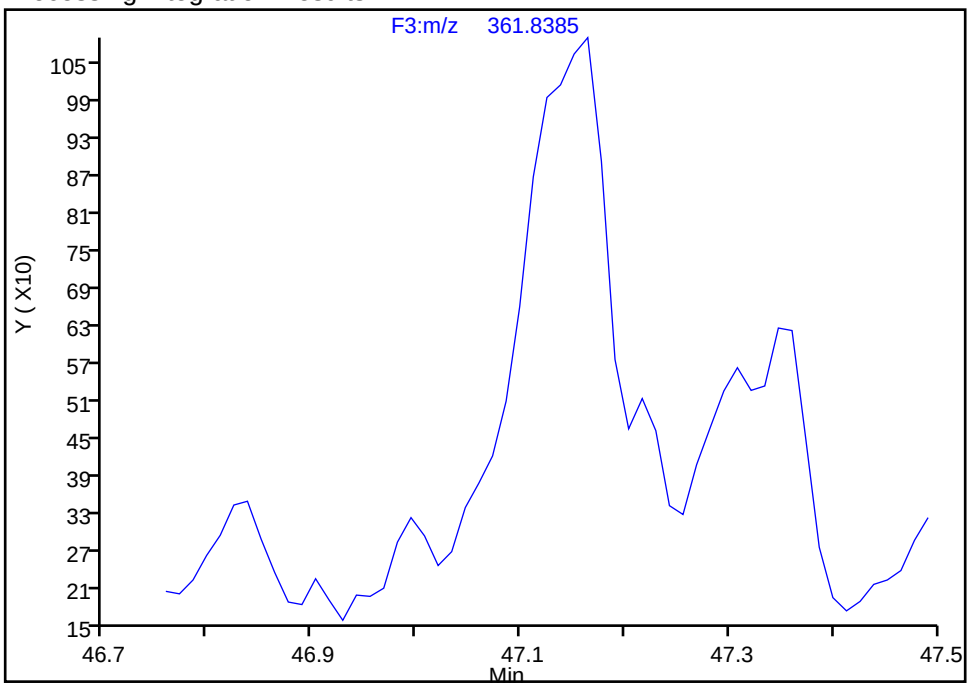
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-169, CAS: 32774-16-6

Signal: 2

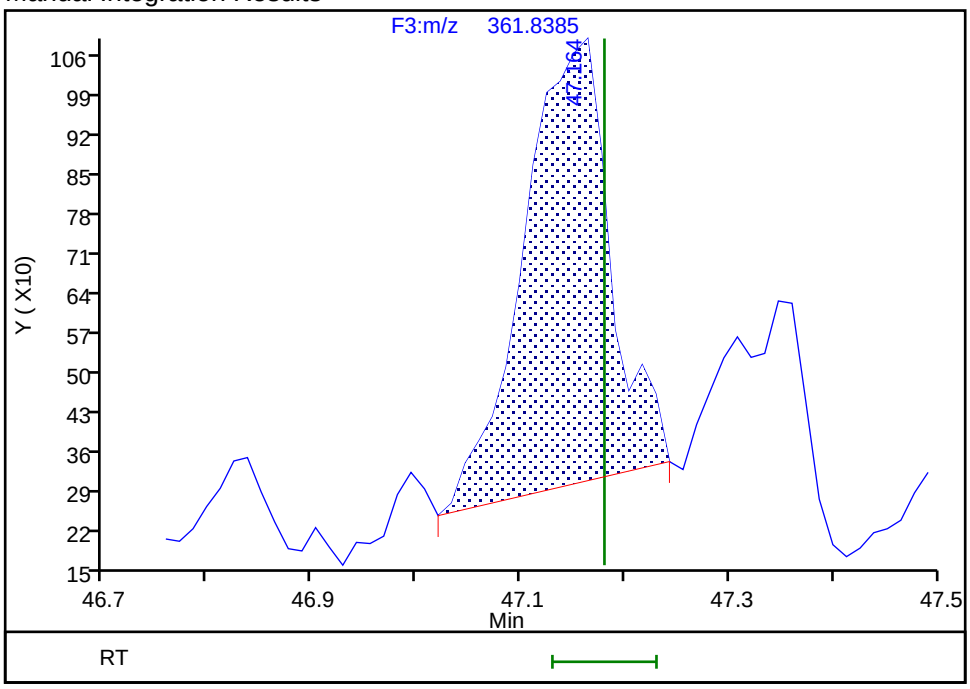
Not Detected
Expected RT: 47.18

Processing Integration Results




Manual Integration Results

RT: 47.16
Area: 4527
Amount: 0.295022
Amount Units: pg/ul



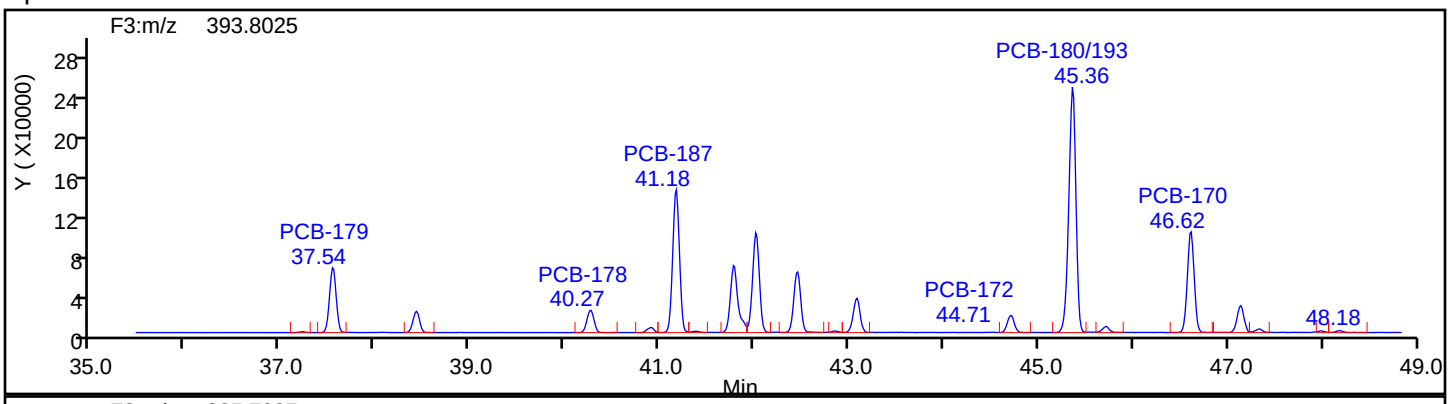

Reviewer: layk, 04-Oct-2019 11:26:42
Audit Action: Manually Integrated Audit Reason: Assign Peak

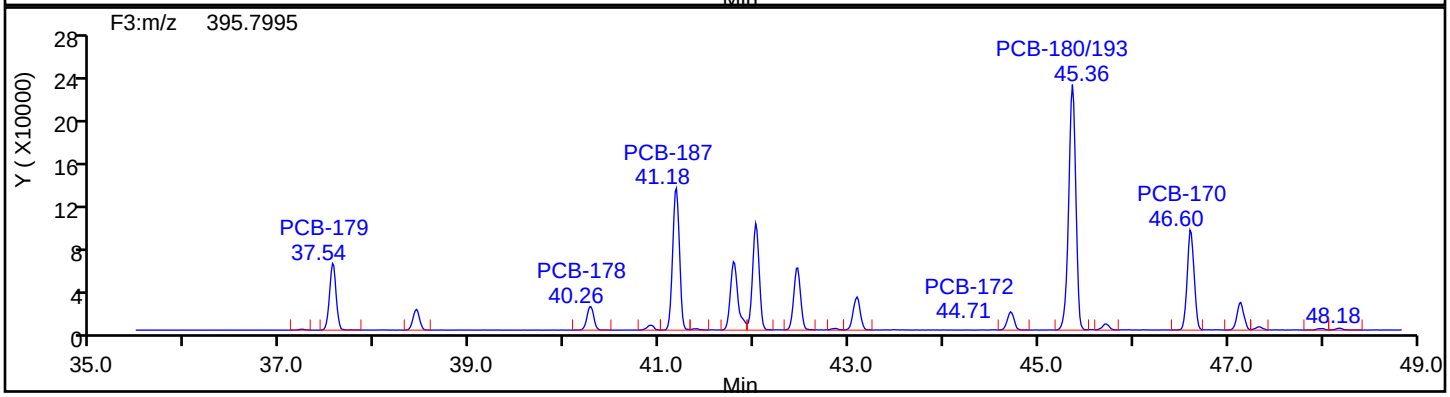
Report Date: 04-Oct-2019 14:14:47 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

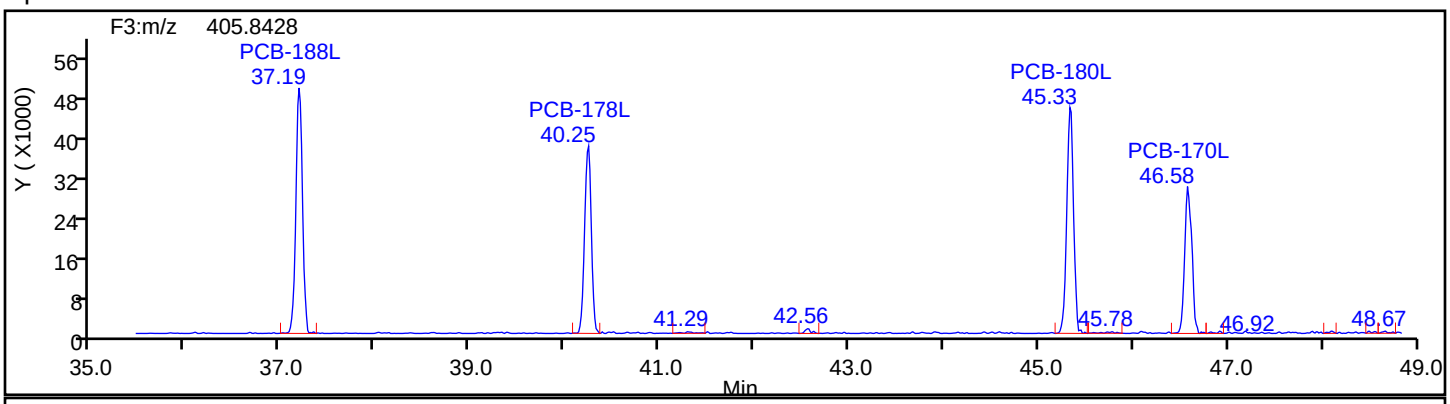
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

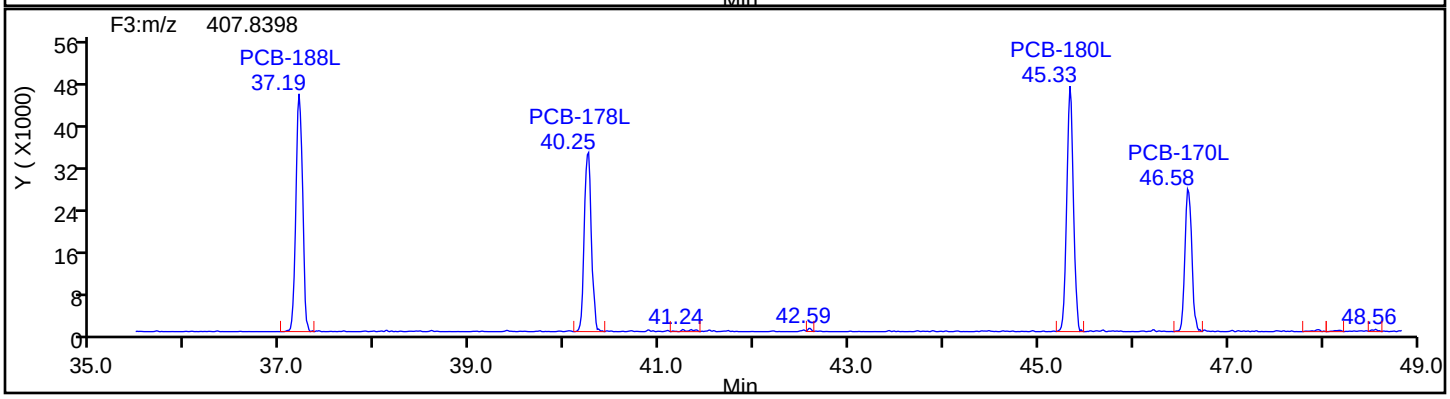
HpPCB F3




HpPCB F3 Standards

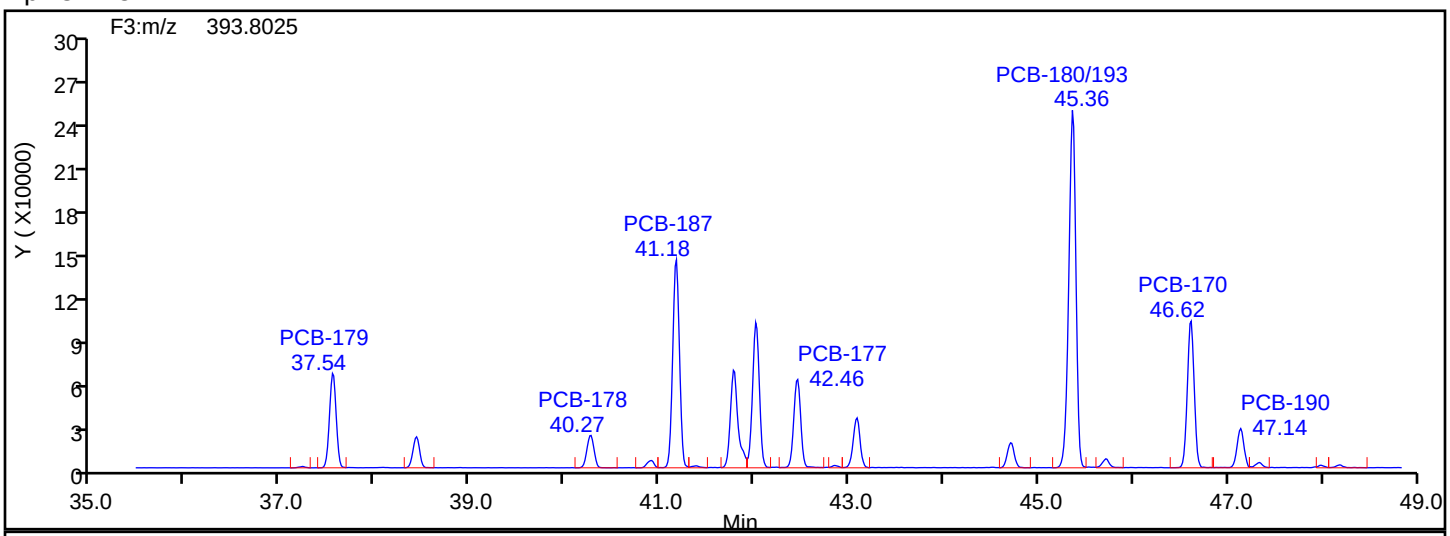


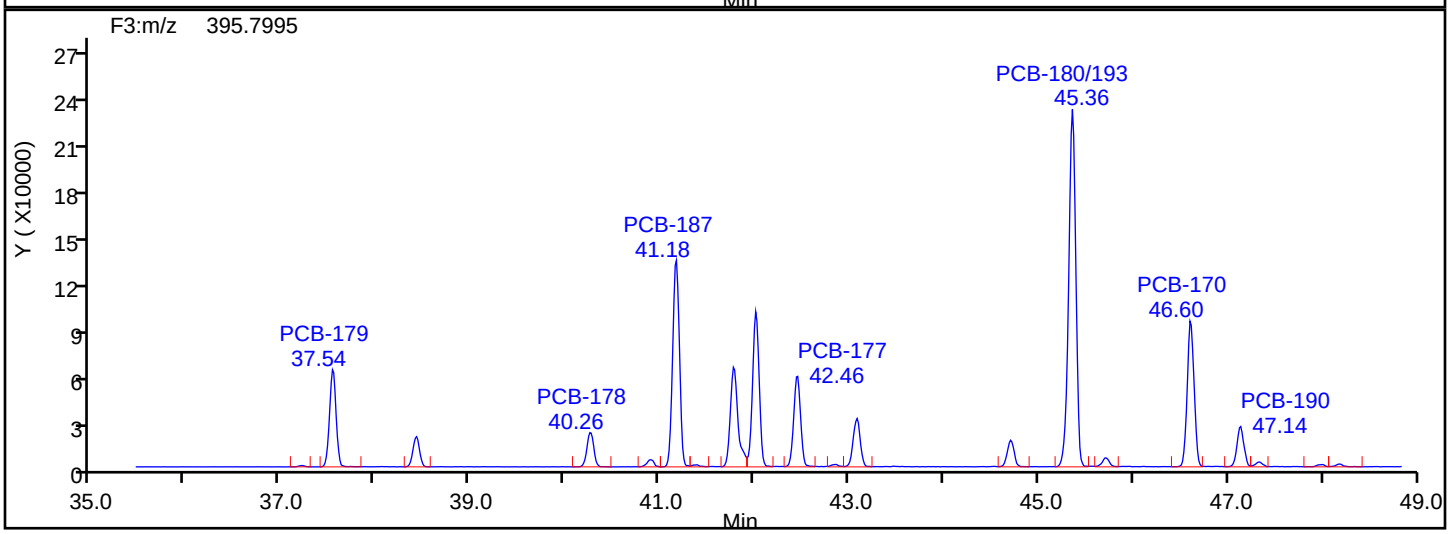



Eurofins TestAmerica, Knoxville

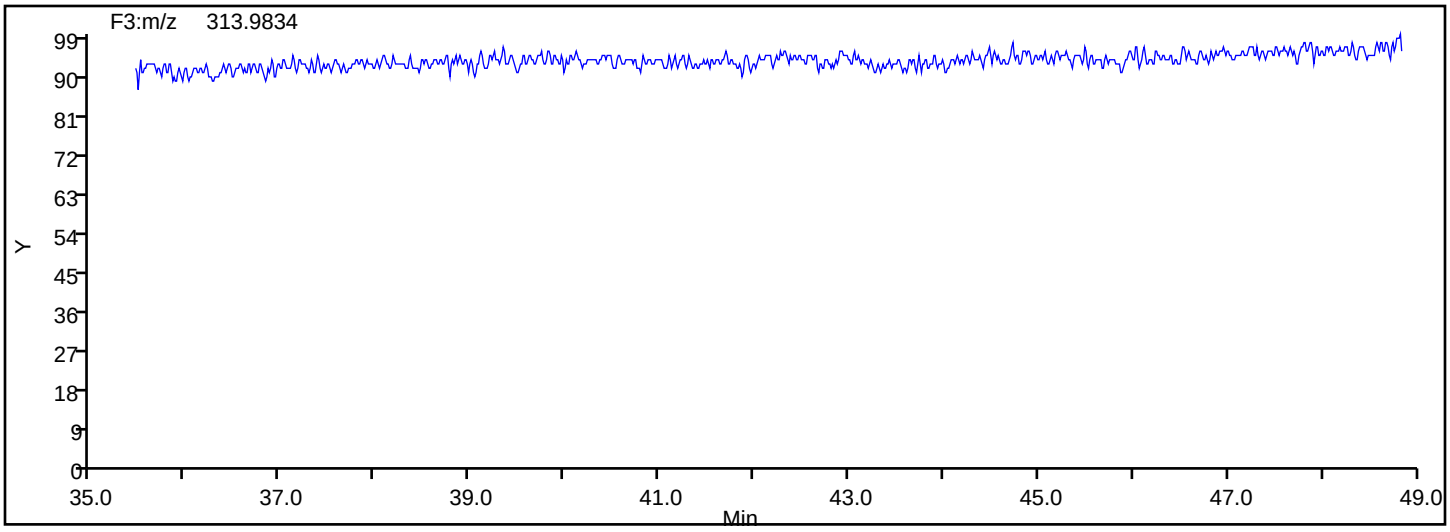
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

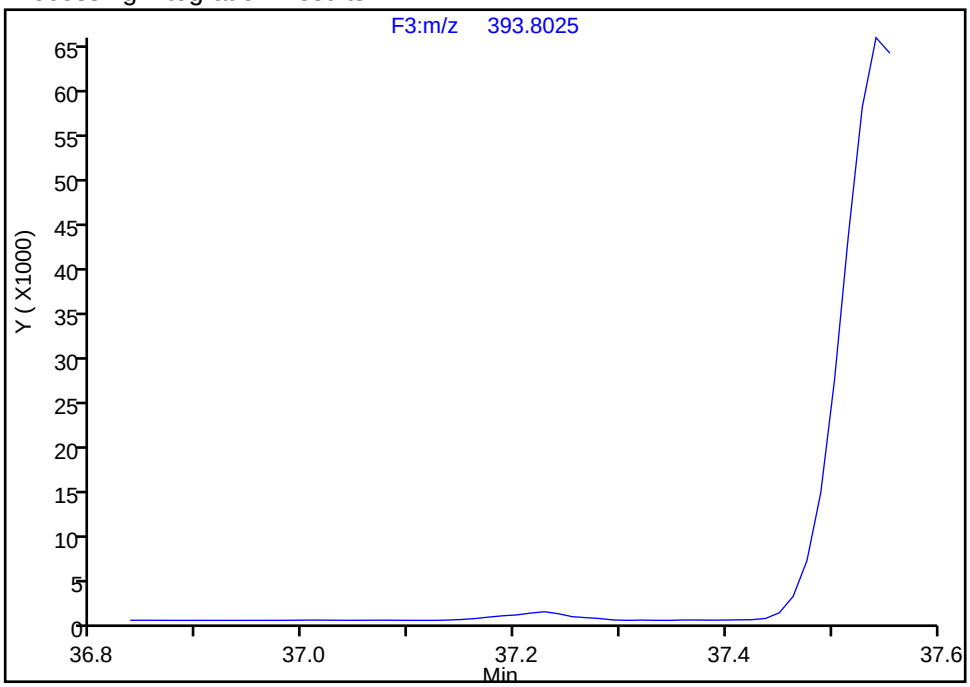
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-188, CAS: 74487-85-7

Signal: 1

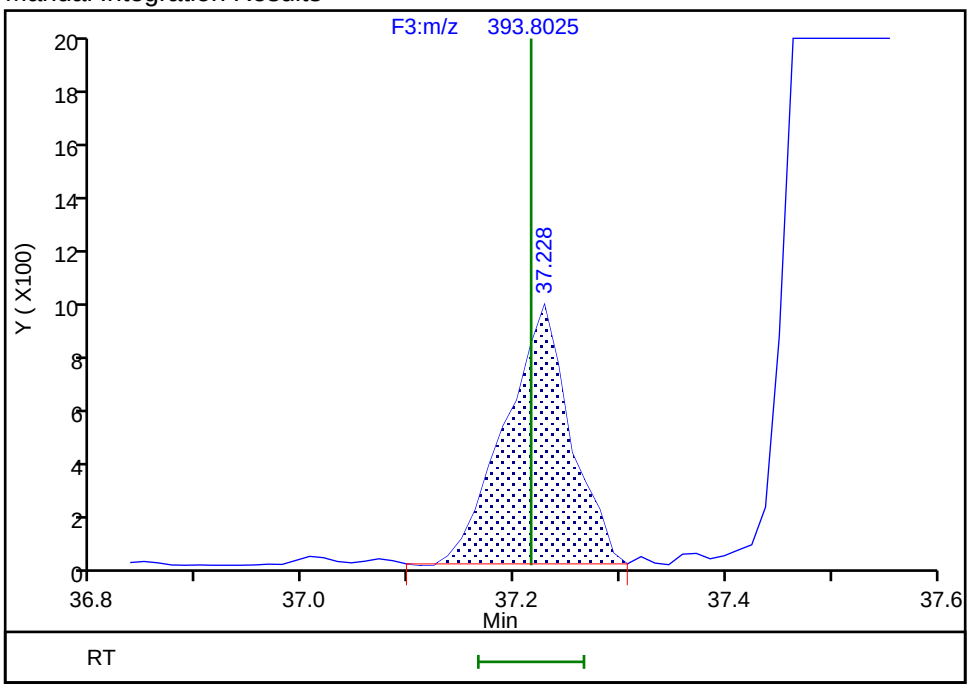
Not Detected
Expected RT: 37.22

Processing Integration Results




Manual Integration Results

RT: 37.23
Area: 4132
Amount: 0.270039
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:27:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

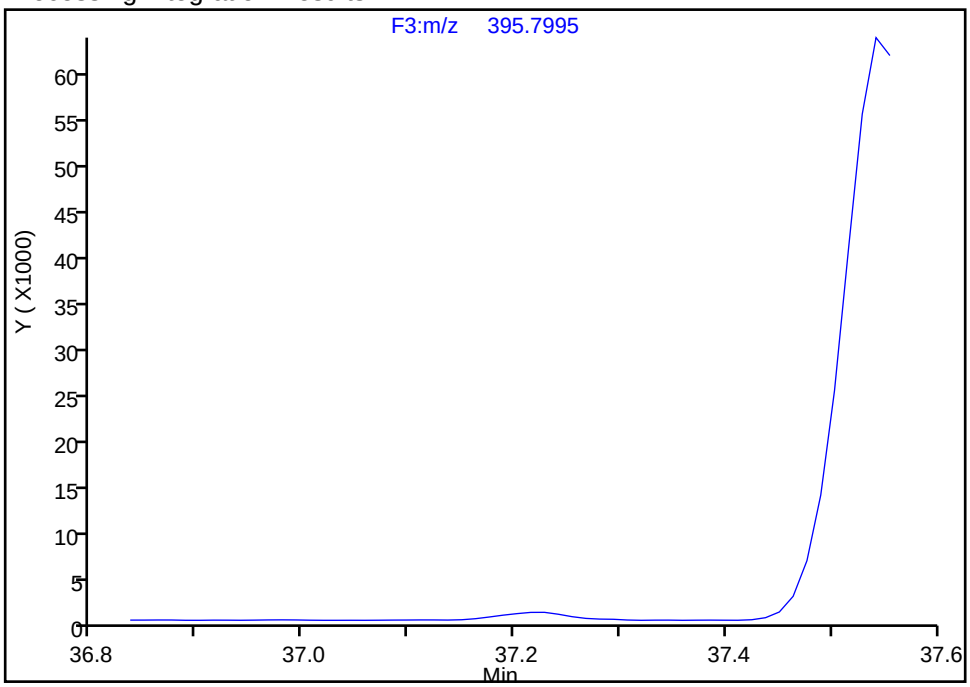
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-188, CAS: 74487-85-7

Signal: 2

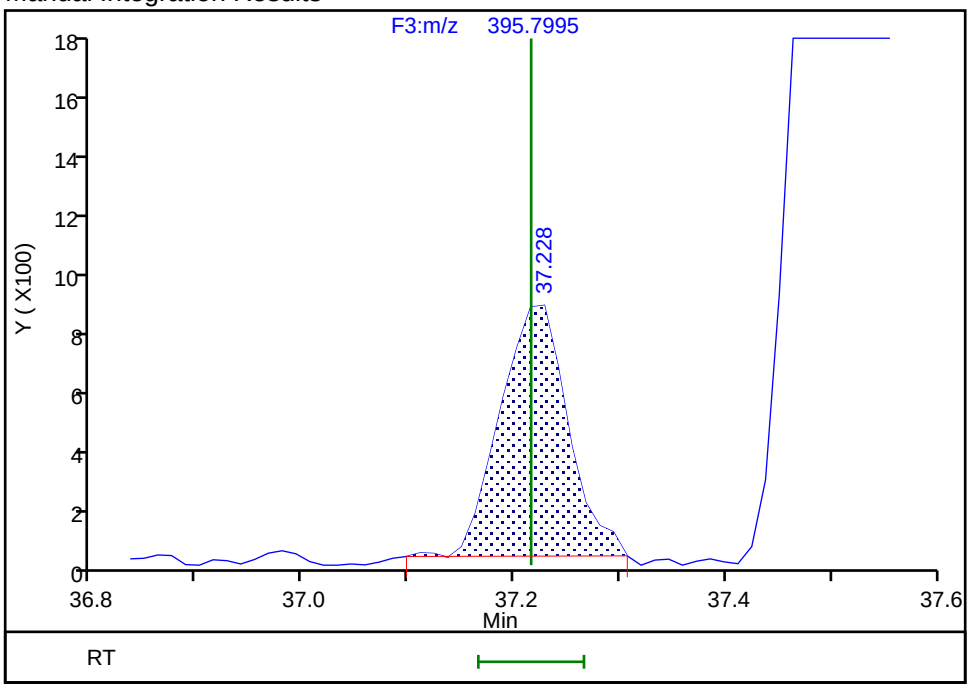
Processing Integration Results

Not Detected
Expected RT: 37.22




Manual Integration Results

RT: 37.23
Area: 3730
Amount: 0.270039
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:27:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

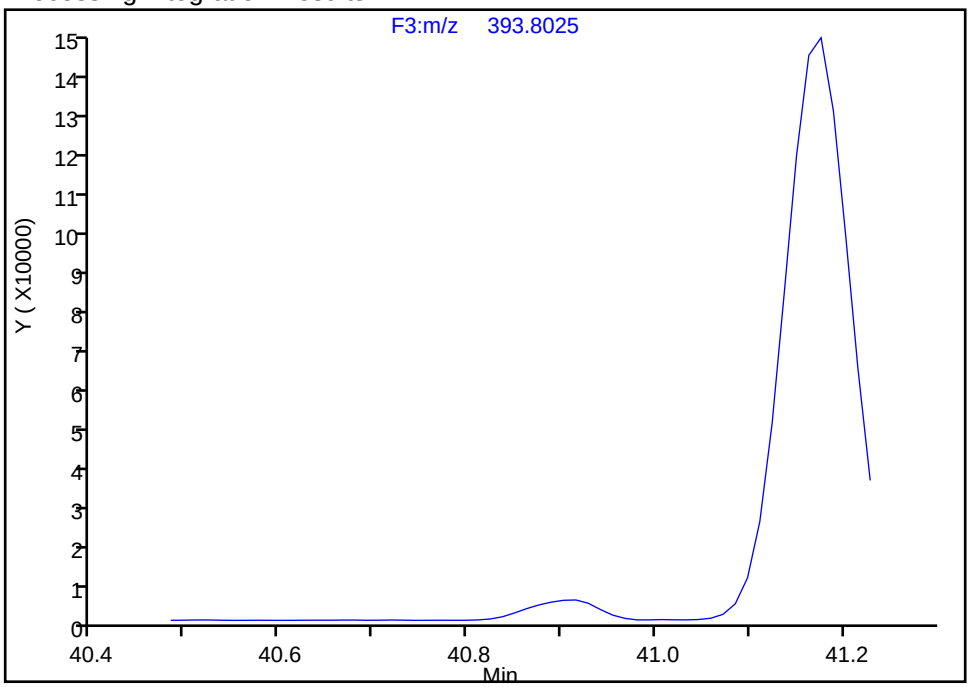
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-175, CAS: 40186-70-7

Signal: 1

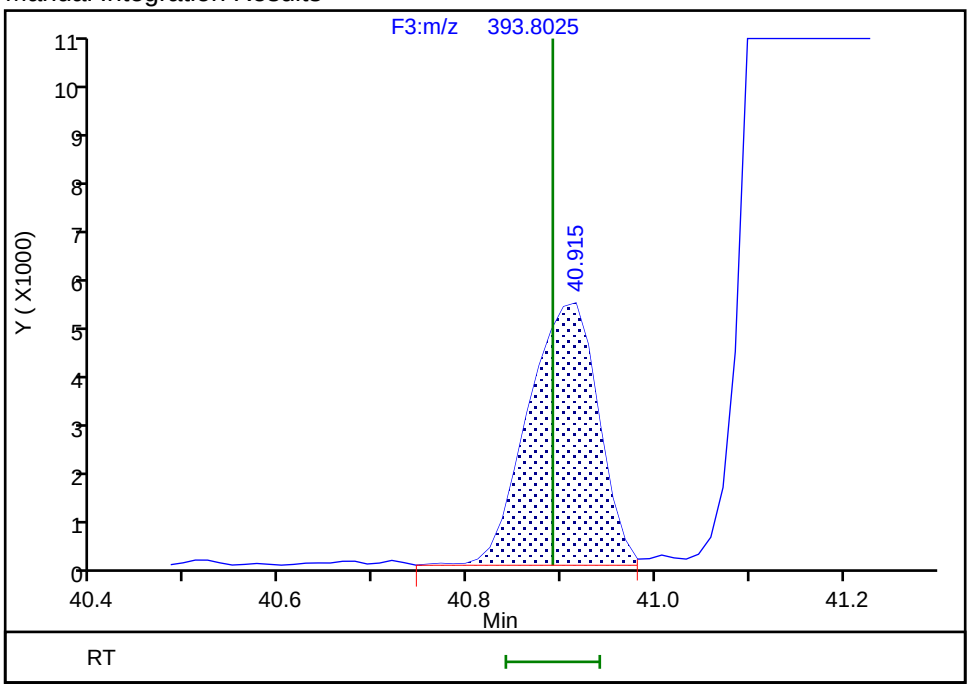
Not Detected
Expected RT: 40.89

Processing Integration Results




Manual Integration Results

RT: 40.92
Area: 26036
Amount: 2.492718
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:27:48
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

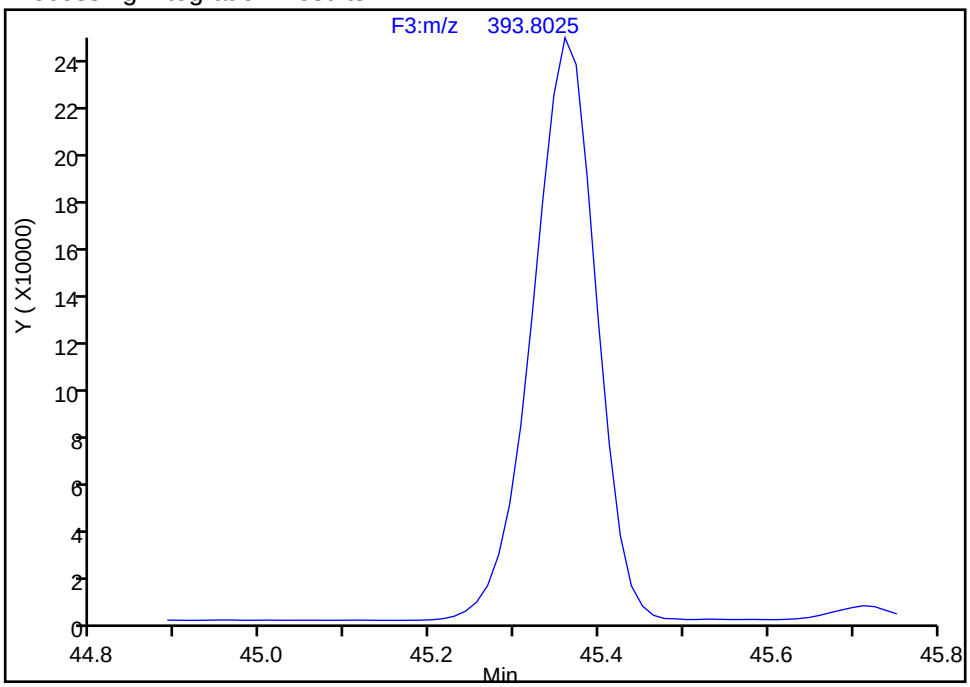
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

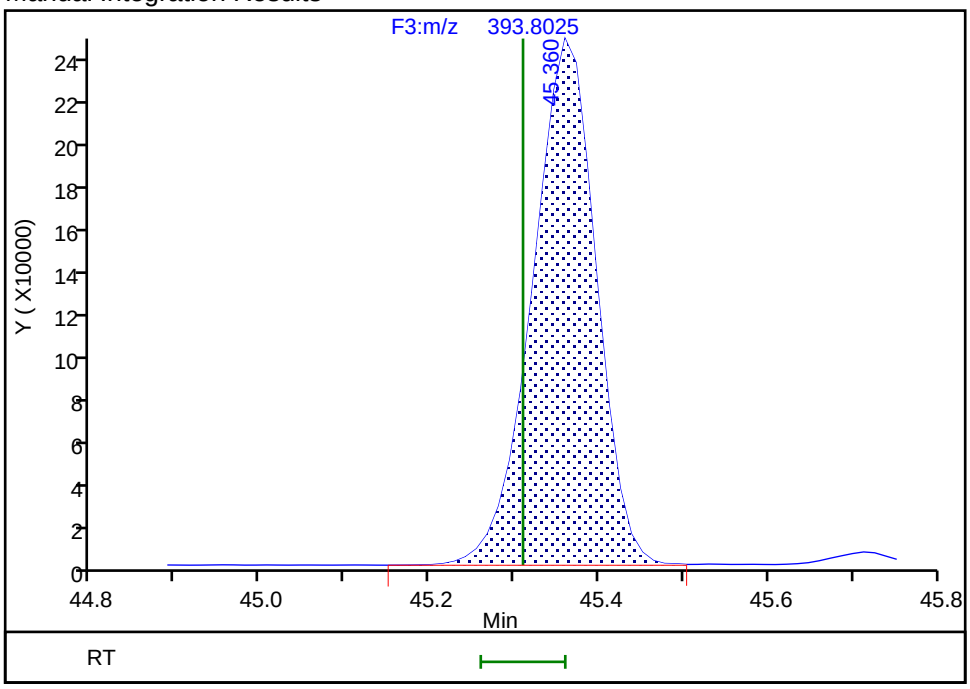
Not Detected
Expected RT: 45.31

Processing Integration Results




Manual Integration Results

RT: 45.36
Area: 1297322
Amount: 107.9124
Amount Units: pg/ul

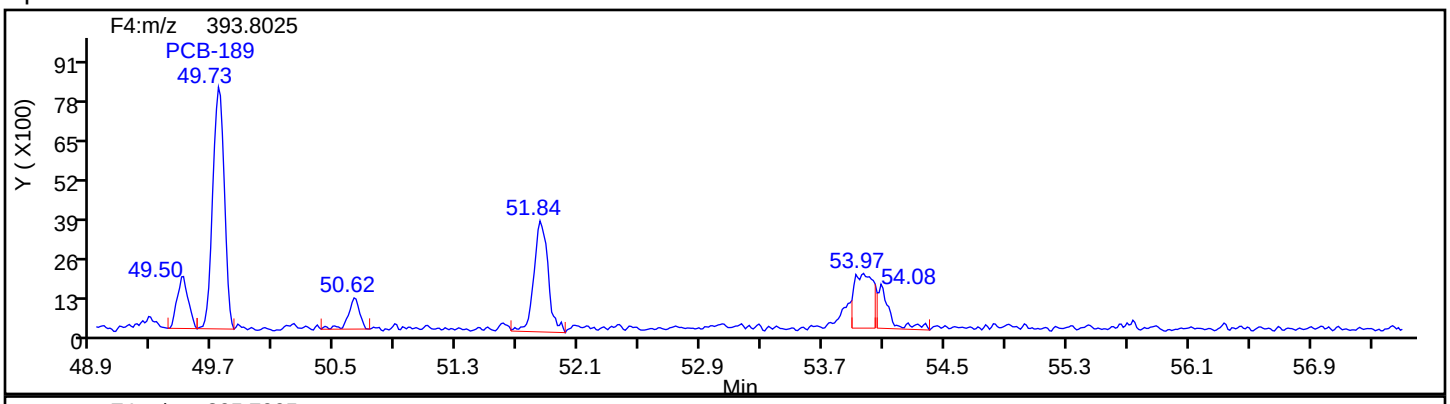


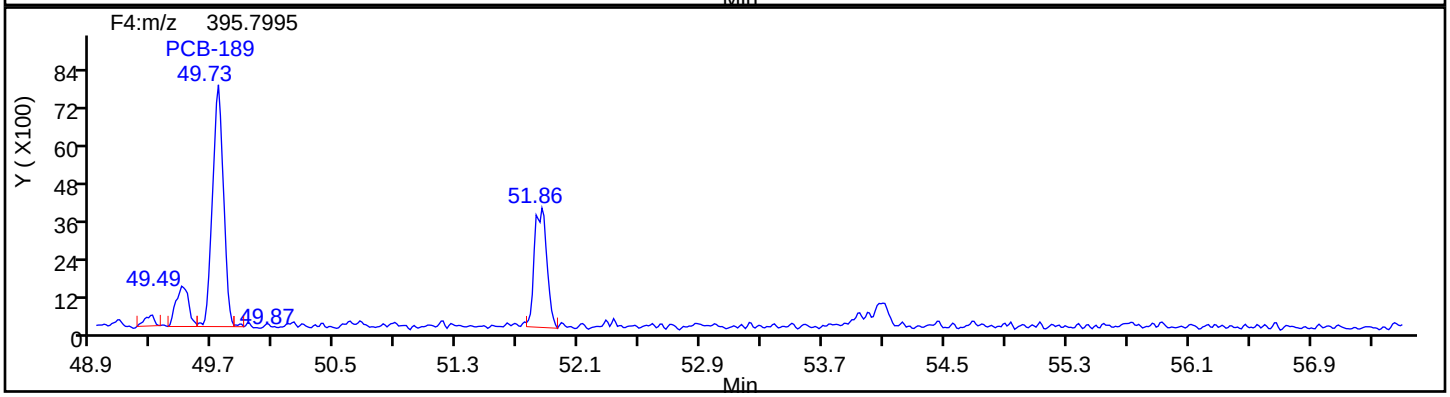

Reviewer: layk, 04-Oct-2019 11:28:25
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Eurofins TestAmerica, Knoxville

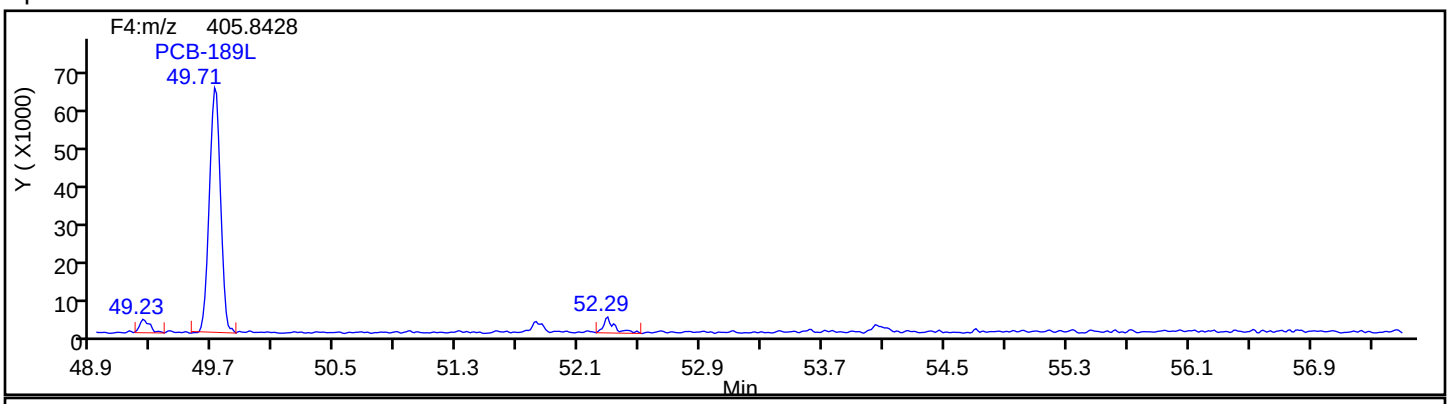
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

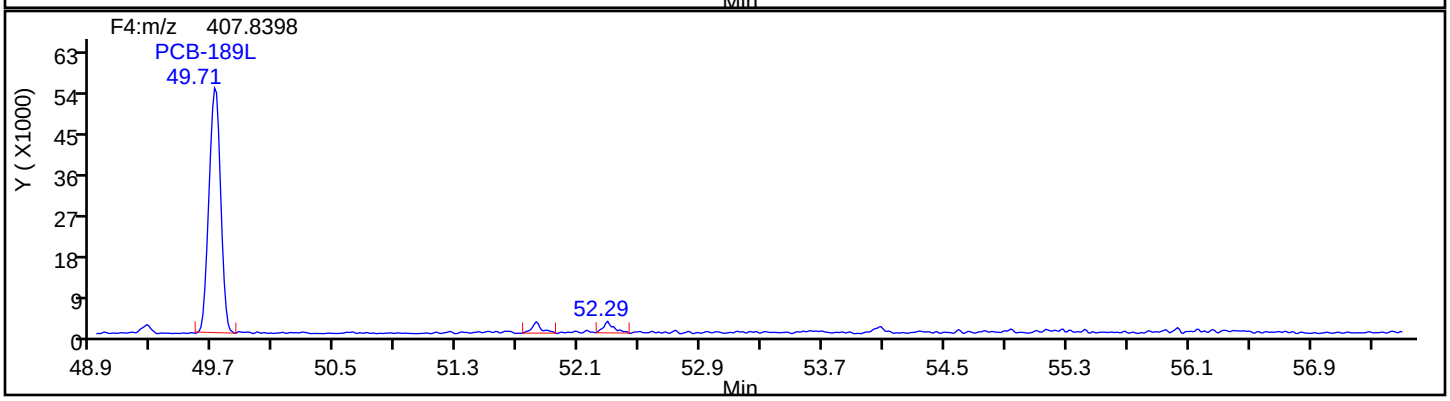
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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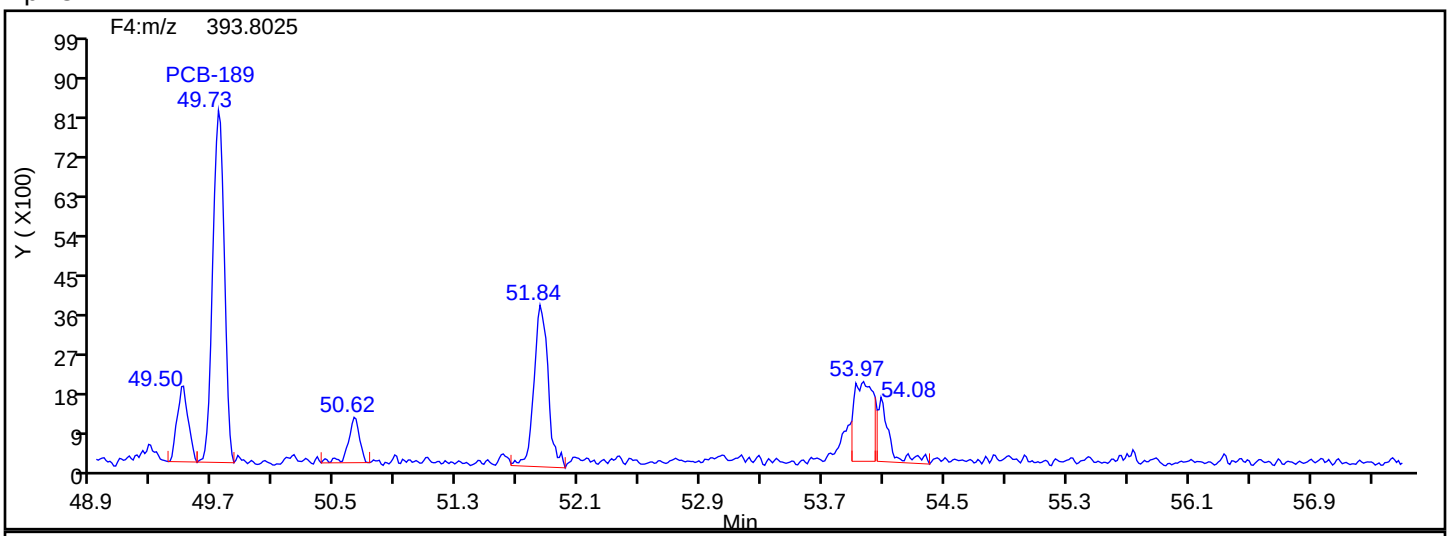
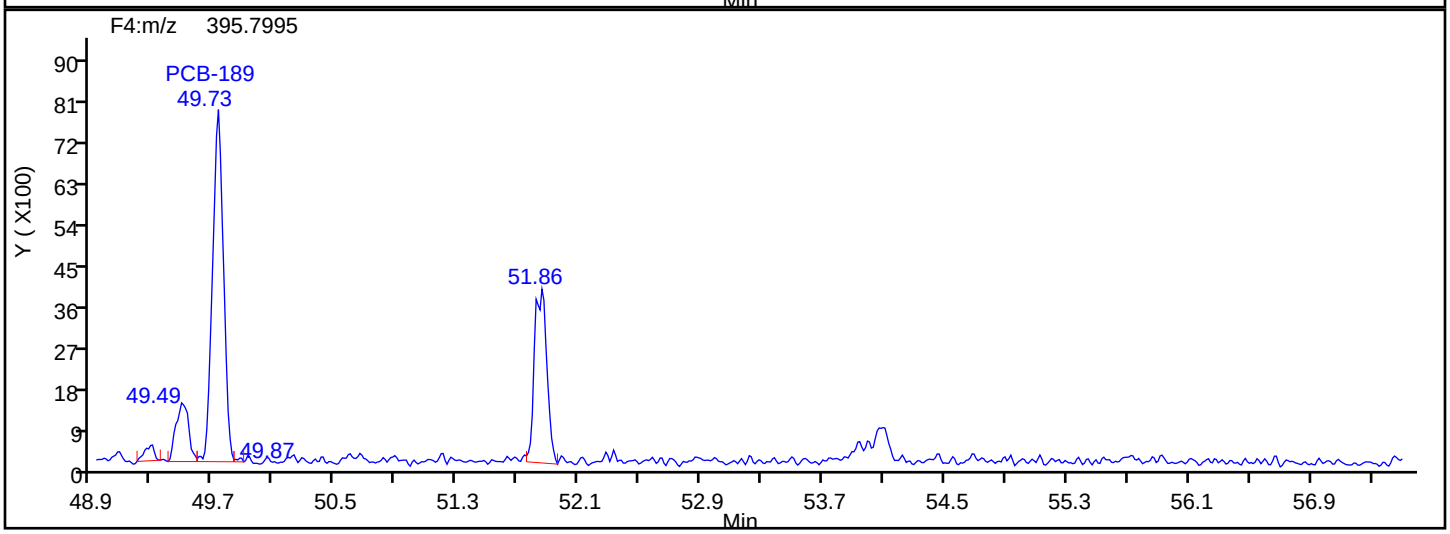
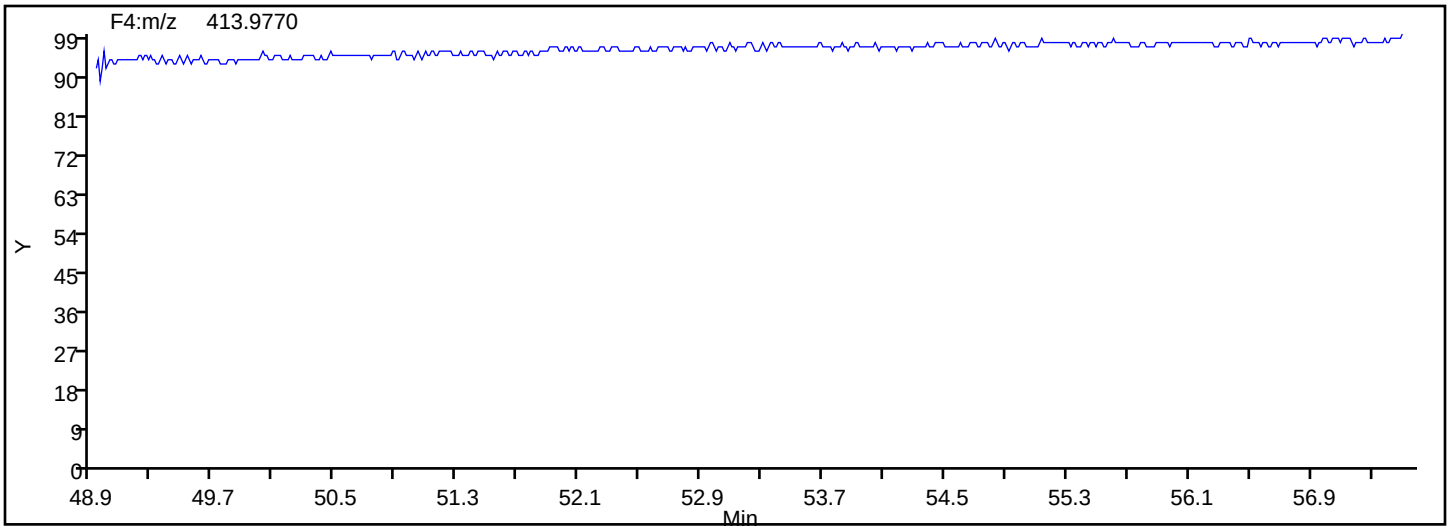
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

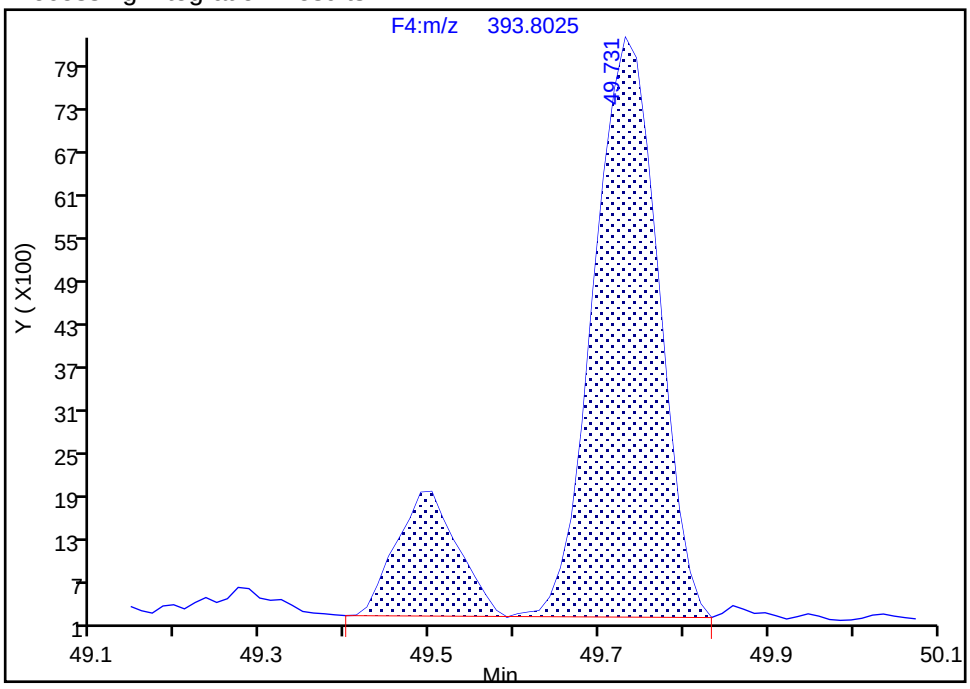
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-189, CAS: 39635-31-9

Signal: 1

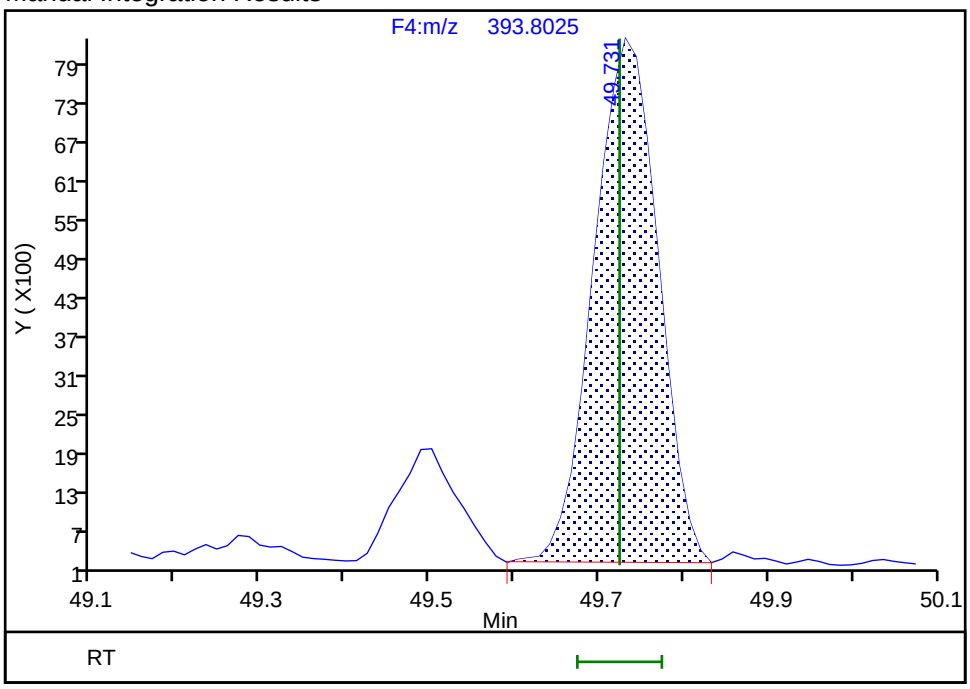
Processing Integration Results

RT: 49.73
Area: 51314
Amount: 2.269205
Amount Units: pg/ul




Manual Integration Results

RT: 49.73
Area: 42575
Amount: 2.043534
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:28:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

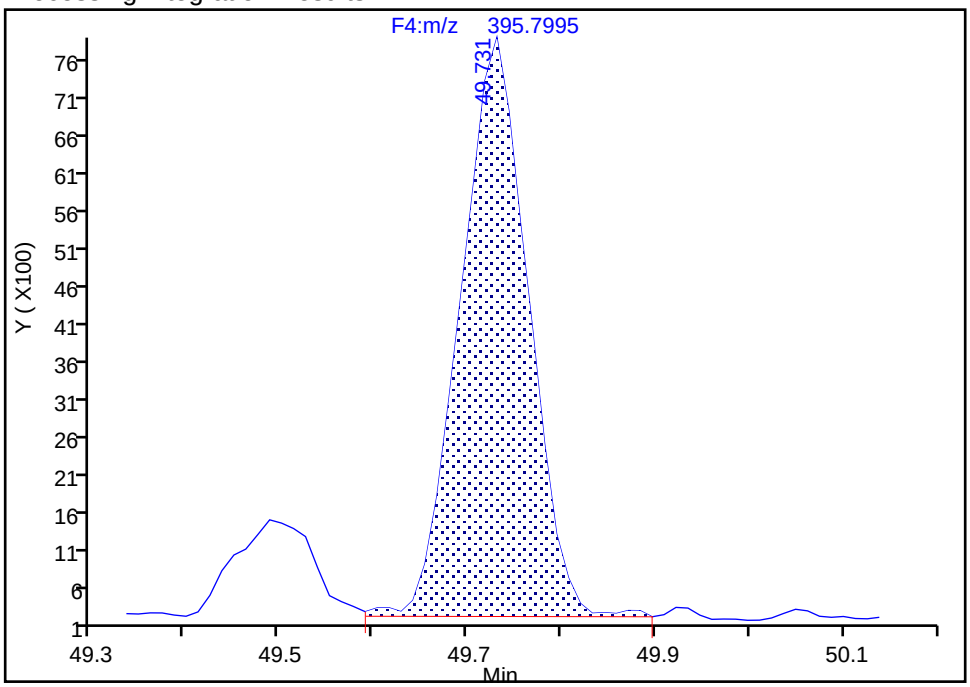
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-189, CAS: 39635-31-9

Signal: 2

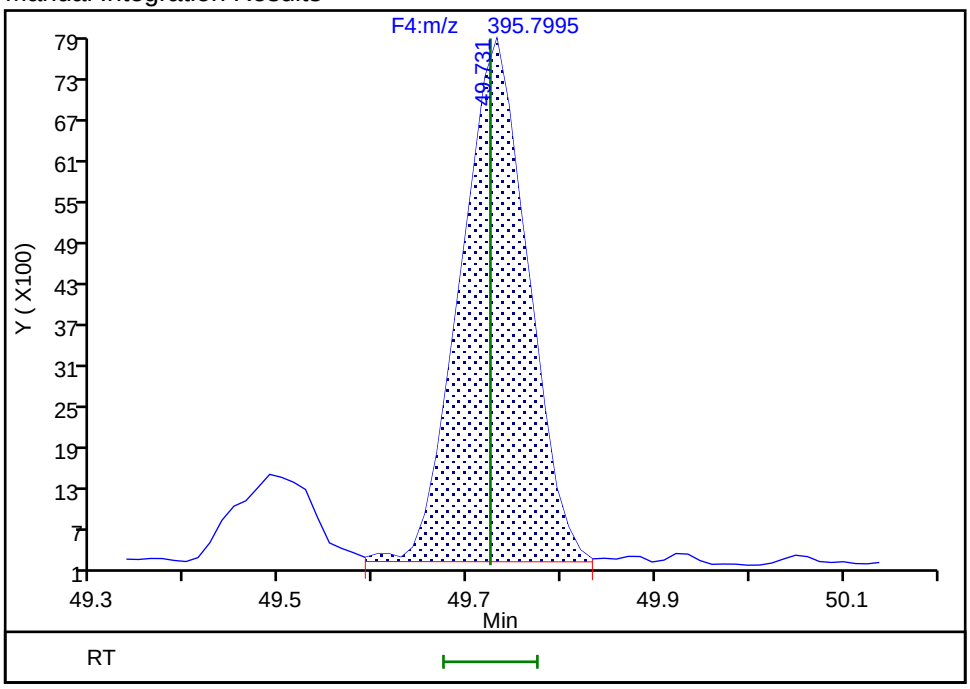
Processing Integration Results

RT: 49.73
Area: 38762
Amount: 2.269205
Amount Units: pg/ul




Manual Integration Results

RT: 49.73
Area: 38543
Amount: 2.043534
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:28:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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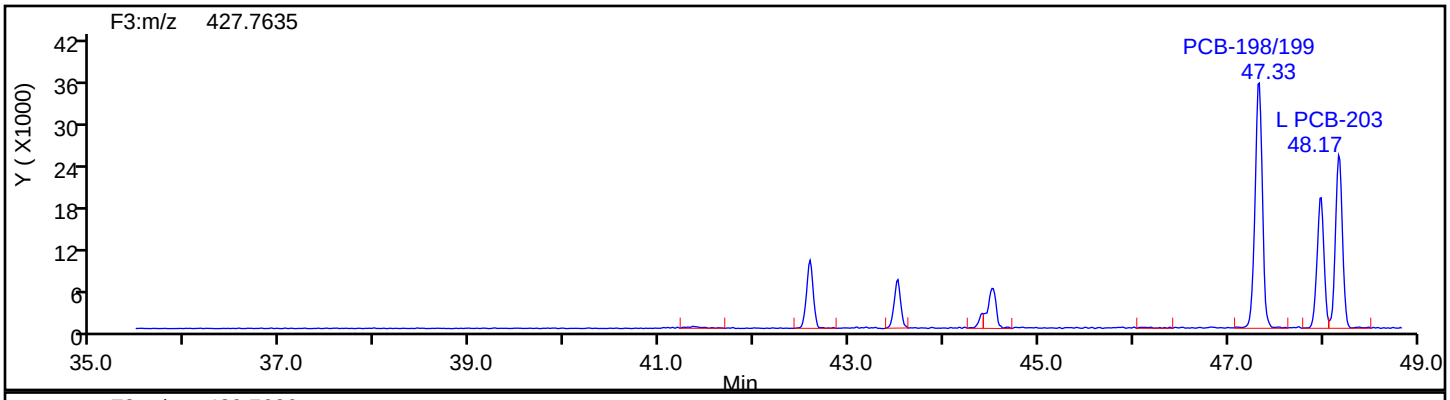
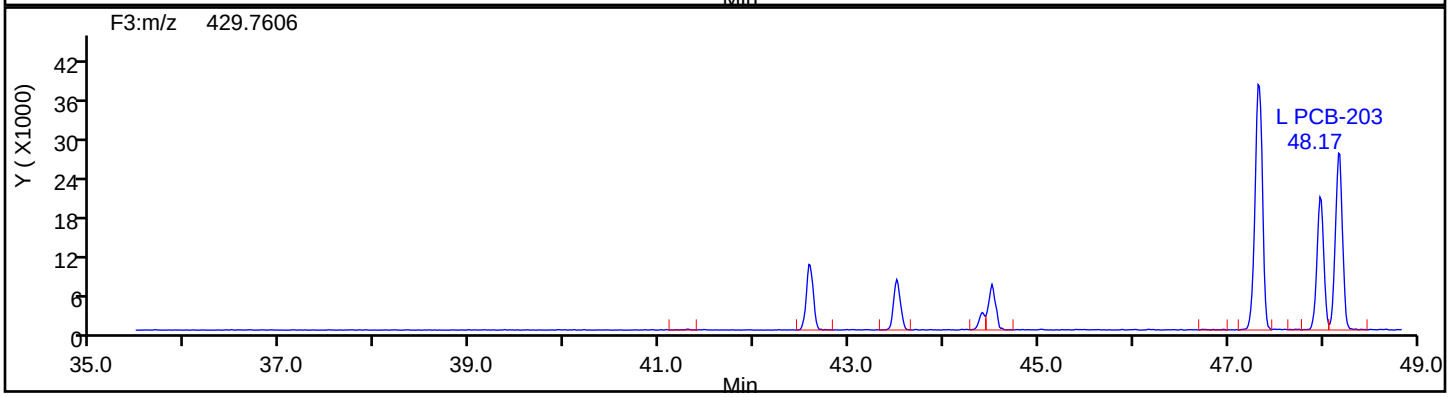
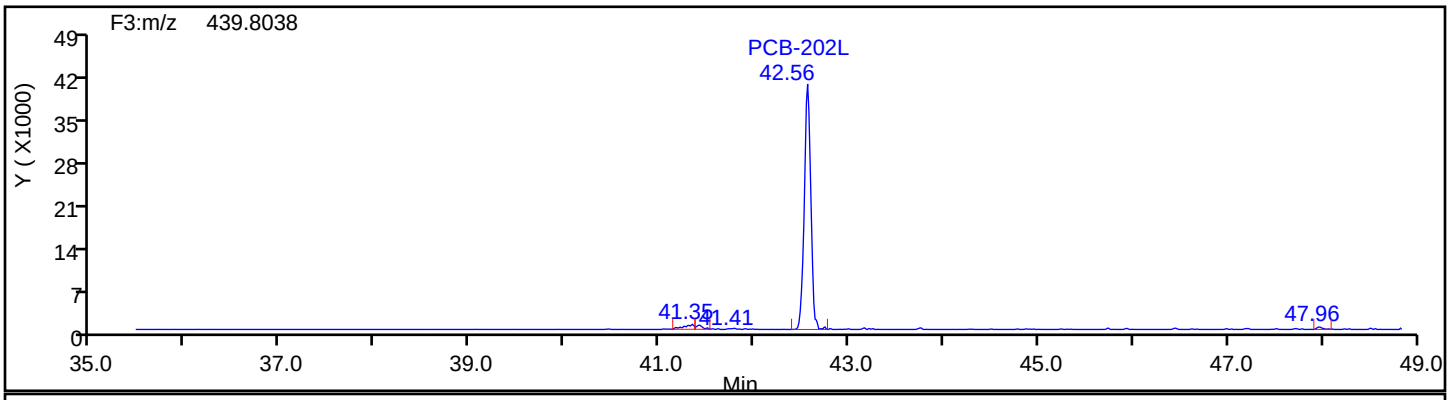
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

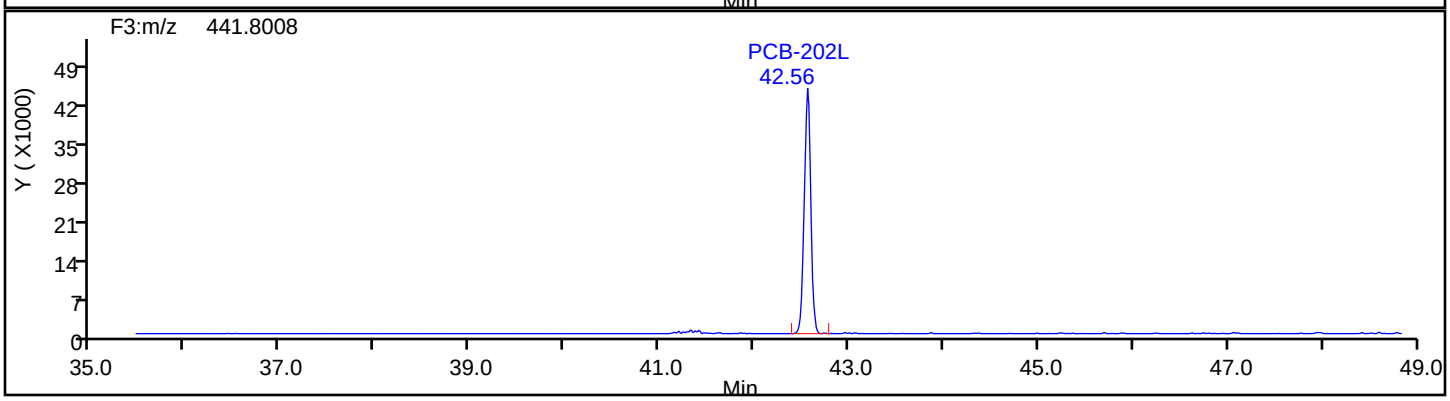
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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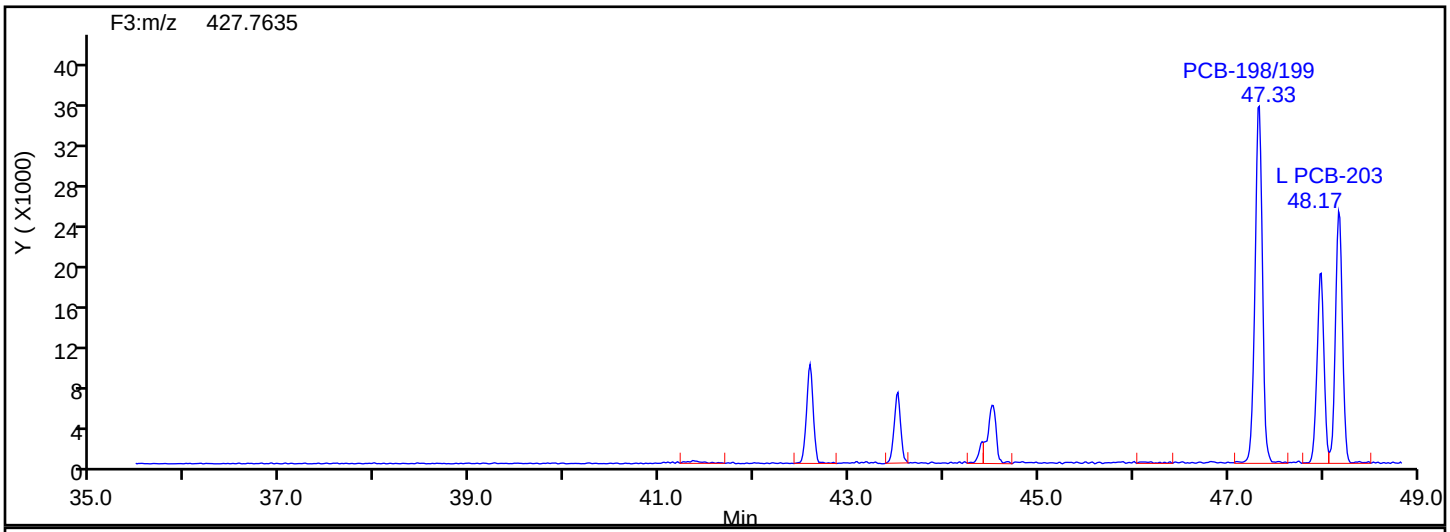
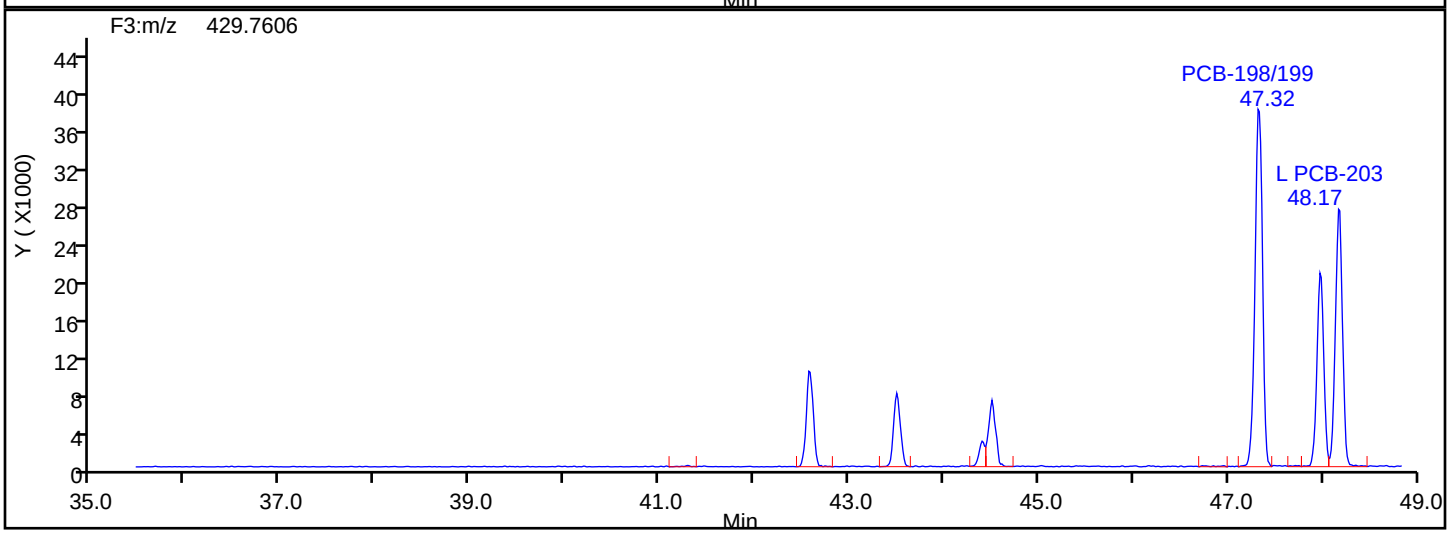
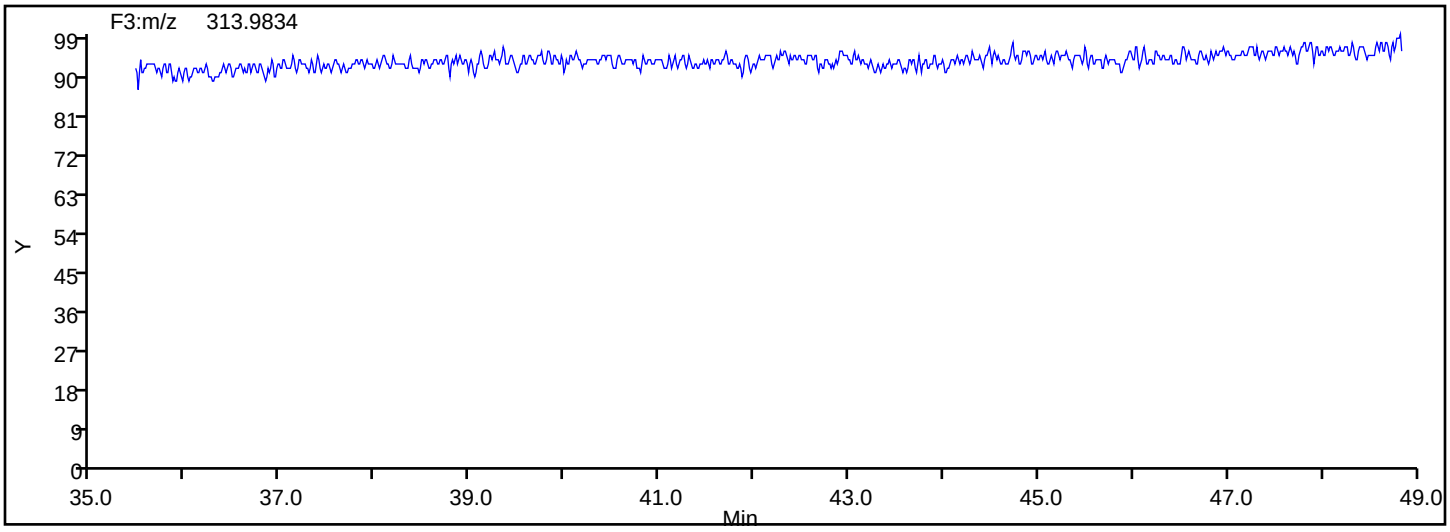
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass

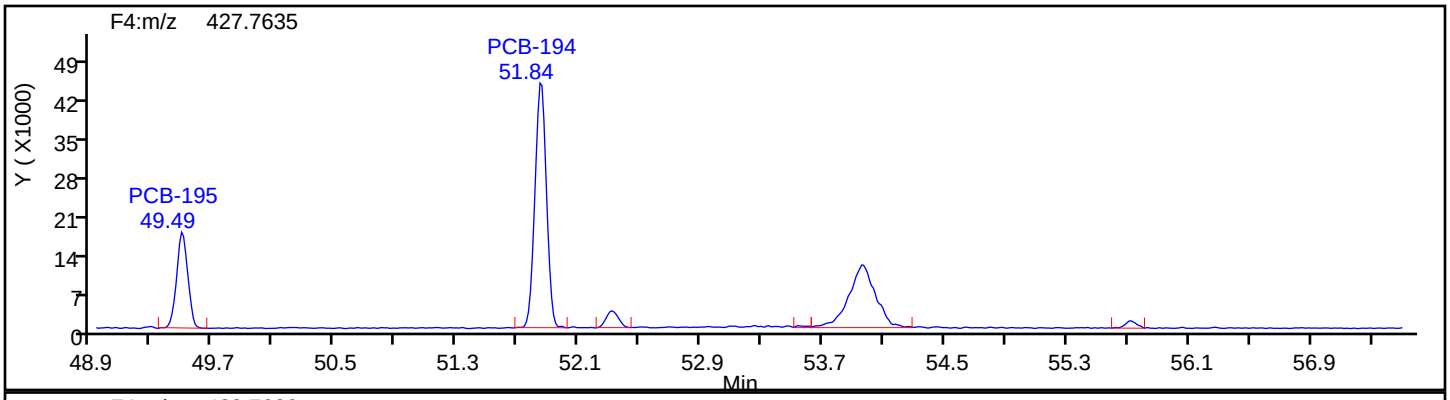


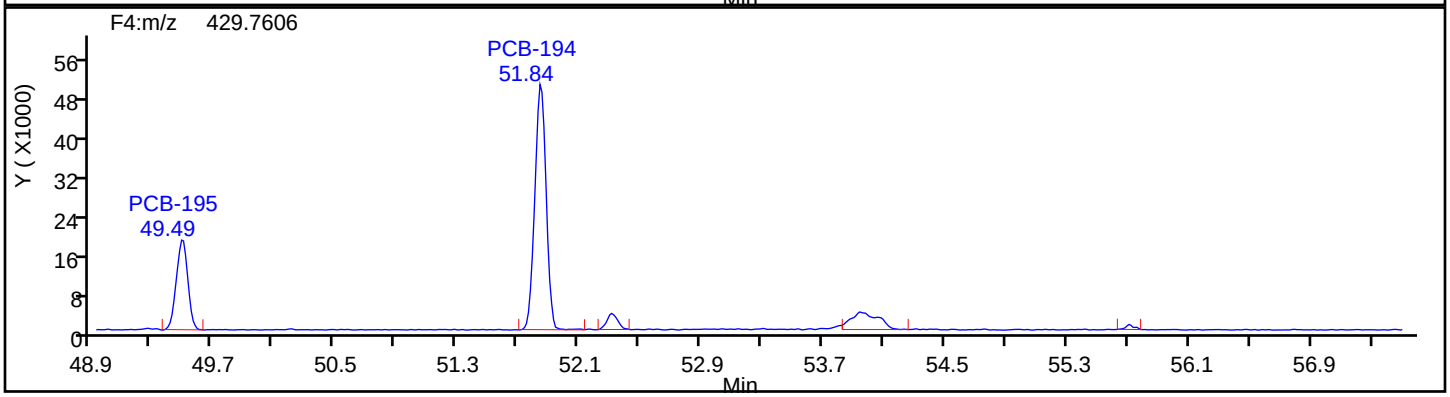
Report Date: 04-Oct-2019 14:14:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

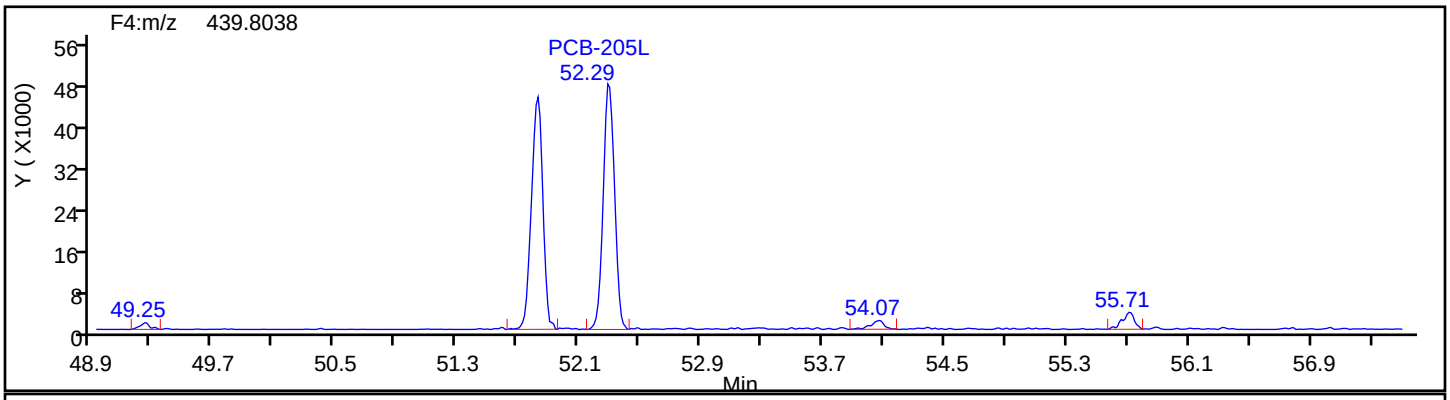
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

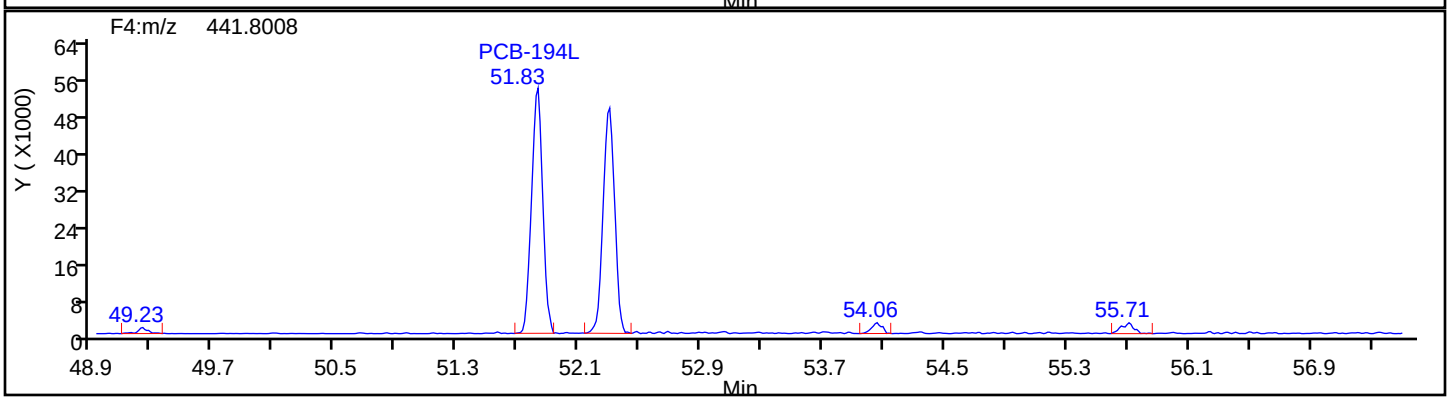
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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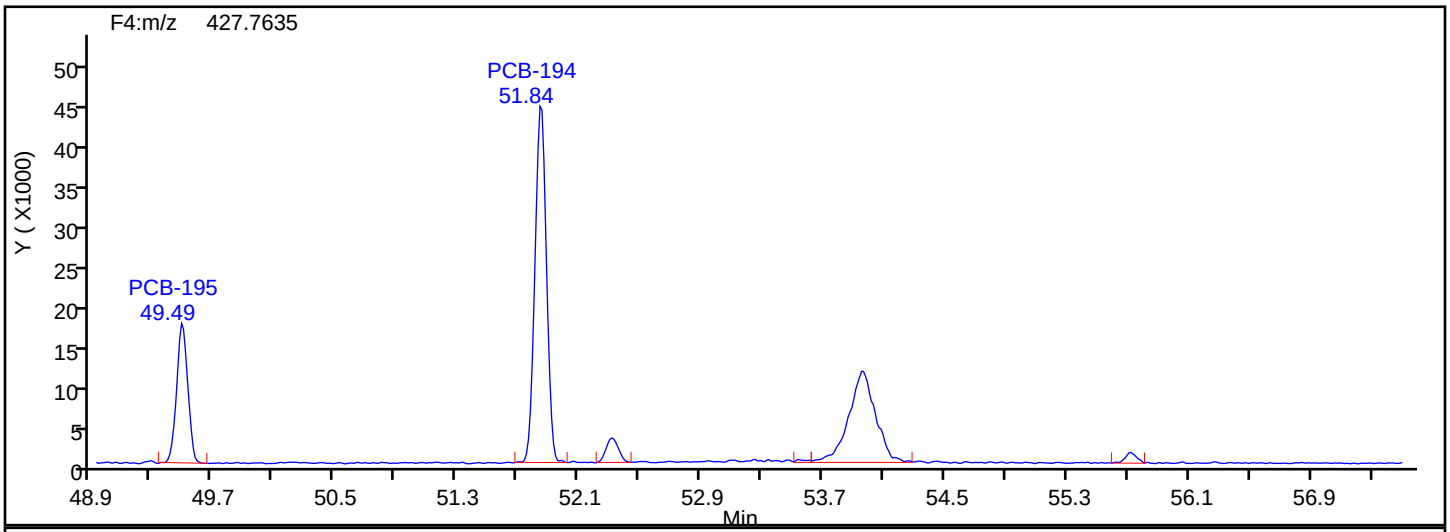
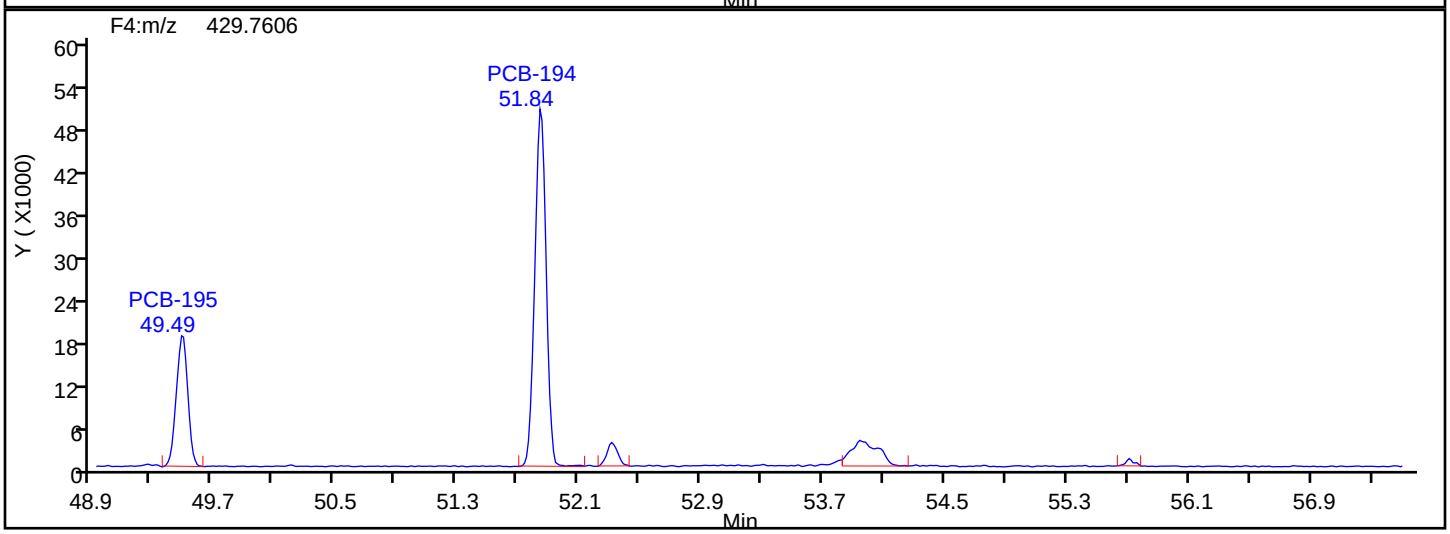
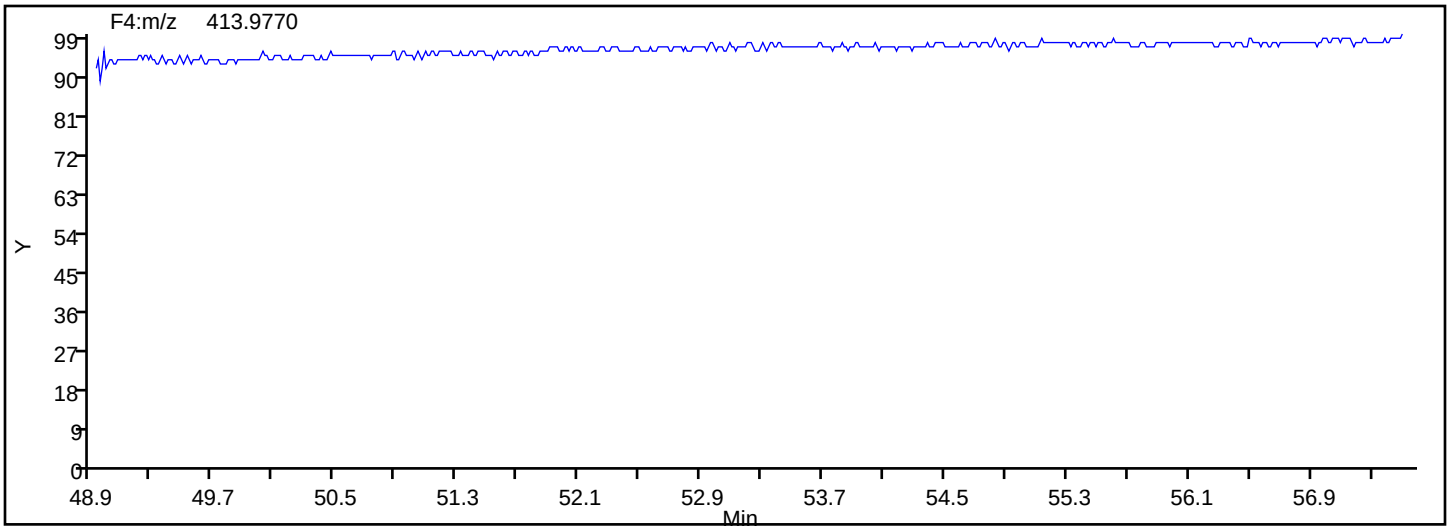
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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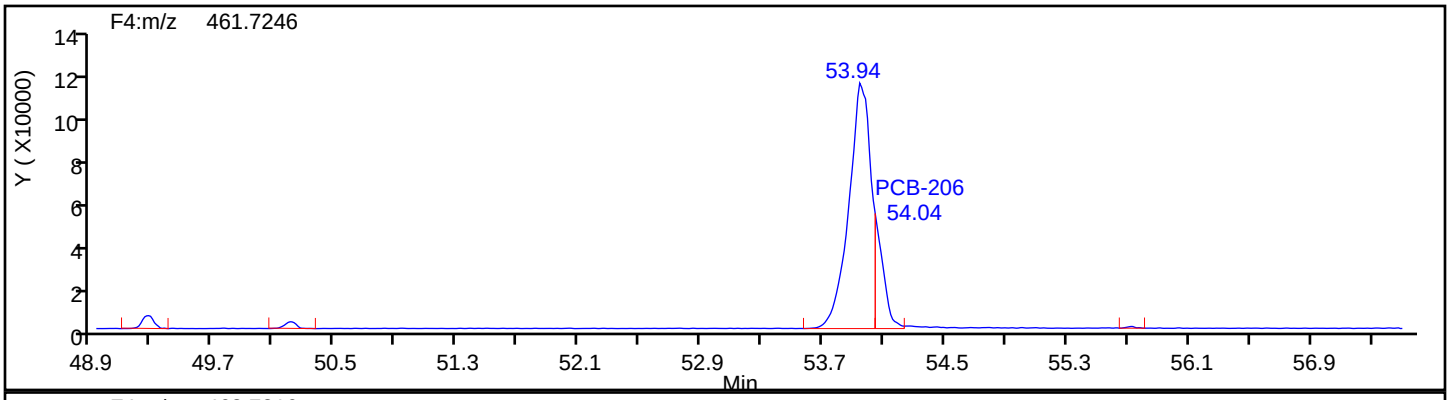
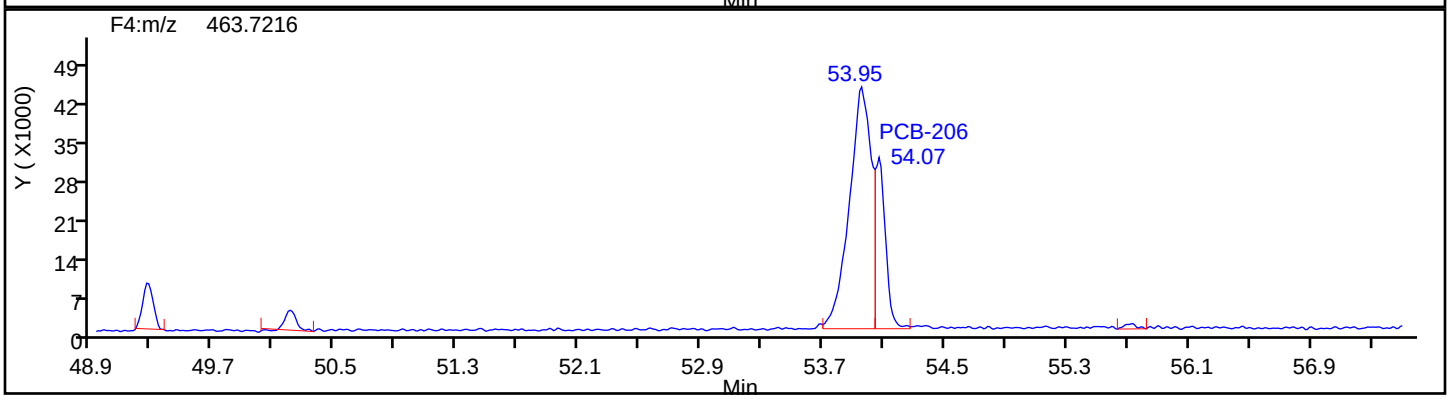
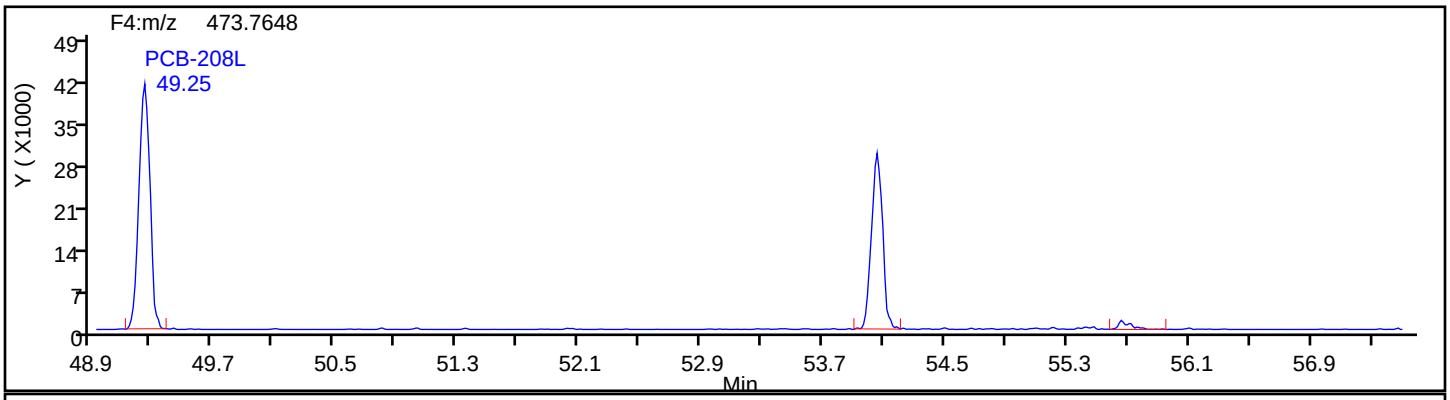
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

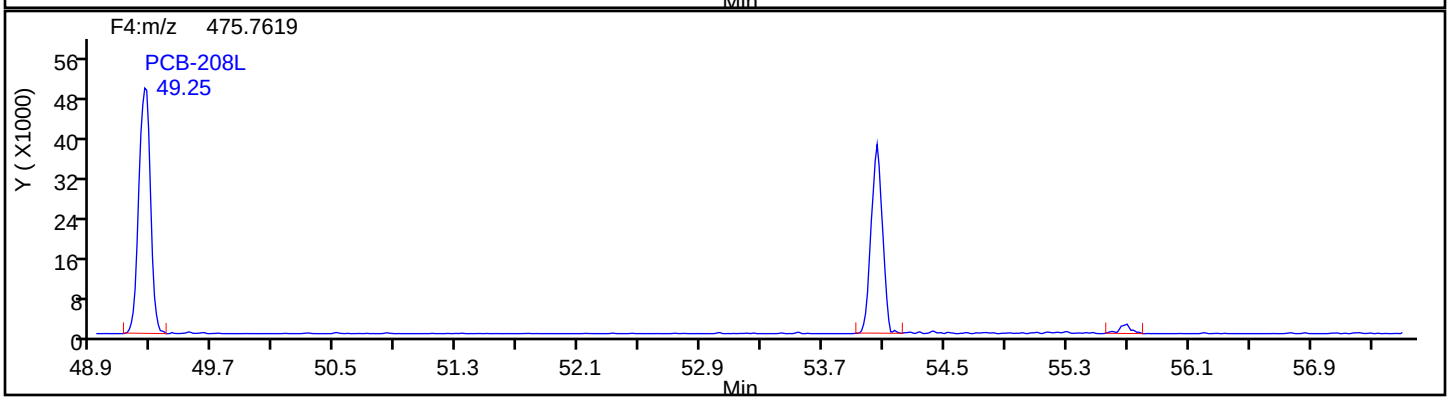
NoPCB F4




NoPCB F4 Standards

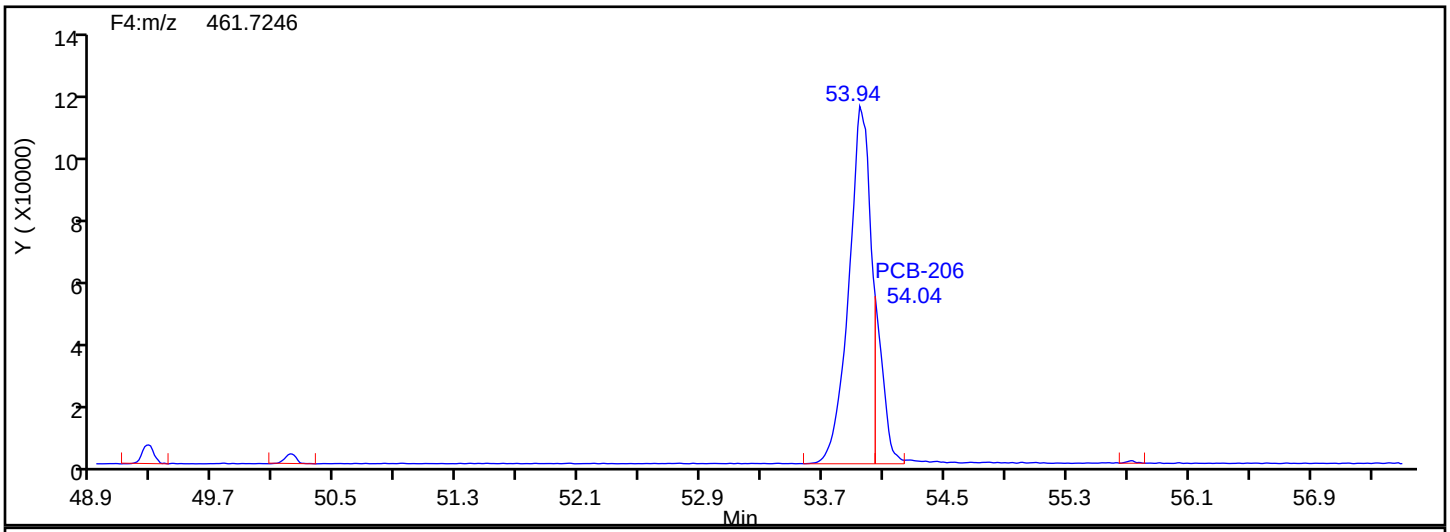


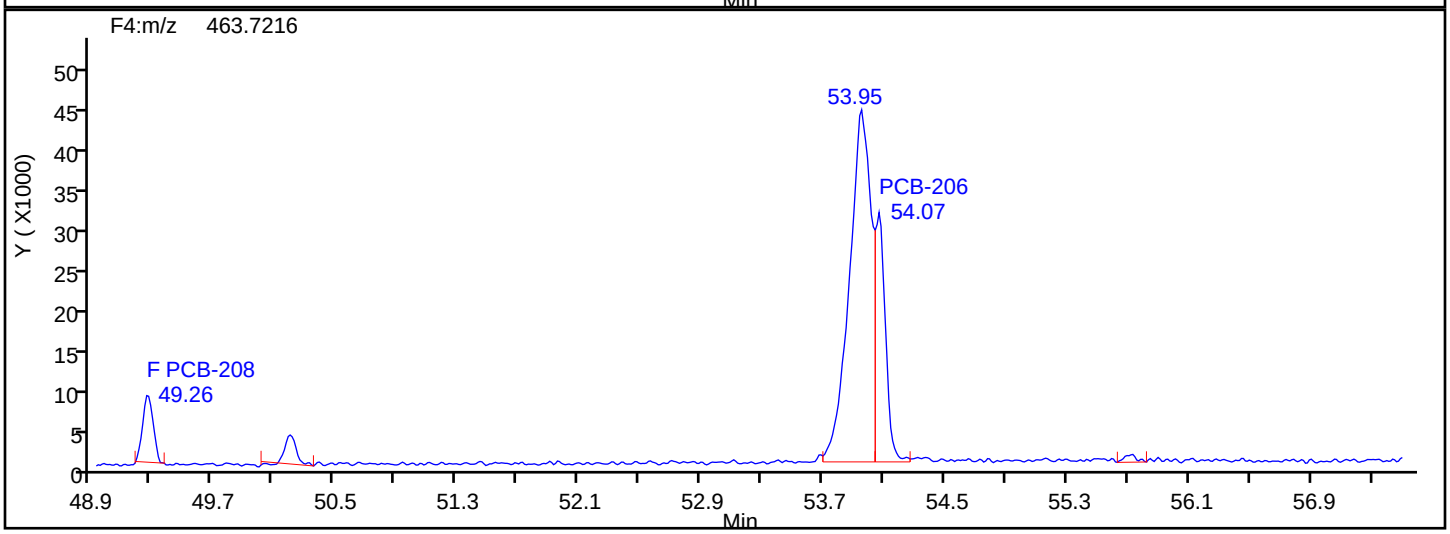



Eurofins TestAmerica, Knoxville

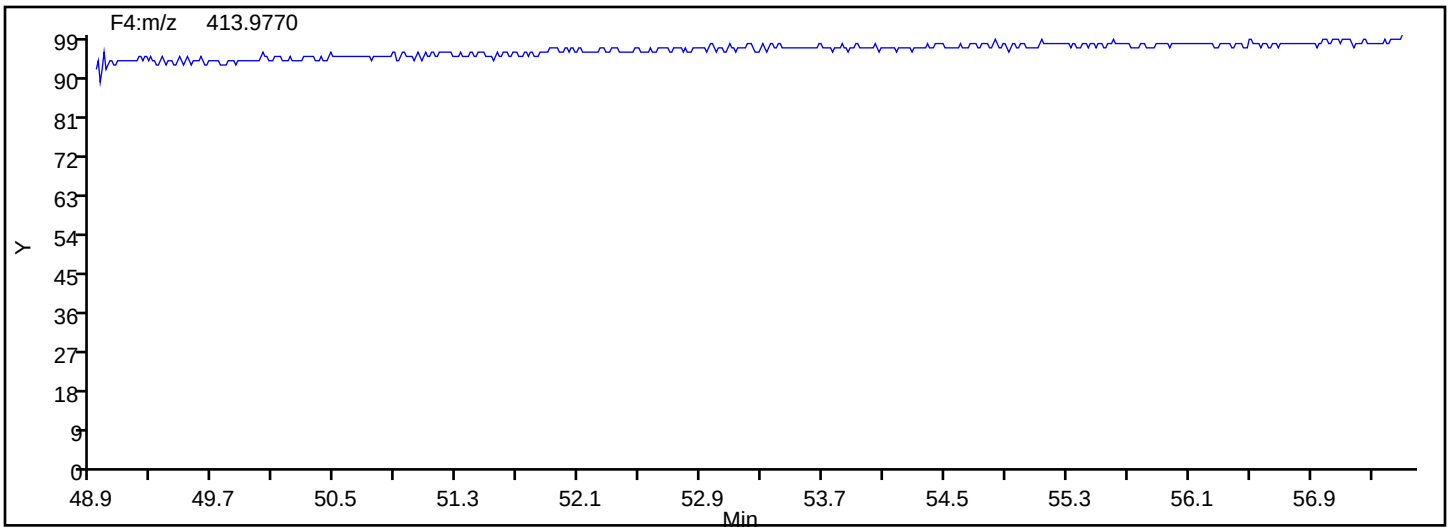
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

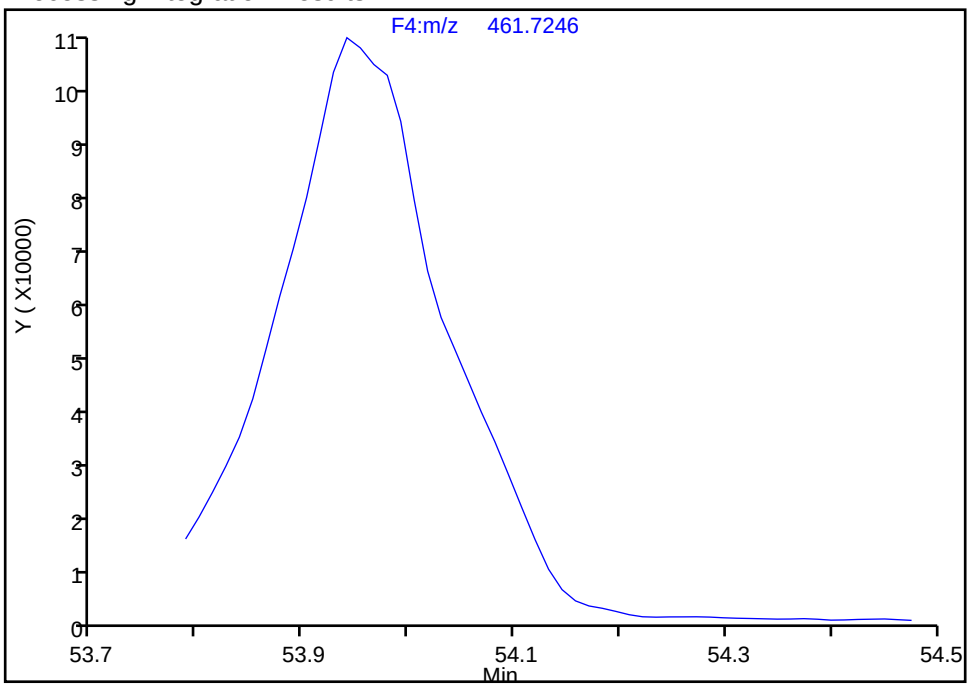
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-36-C | Lab Sample ID: | 140-88908-36 | | |
| Client ID: | J5-SC1b-10to20-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 12 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

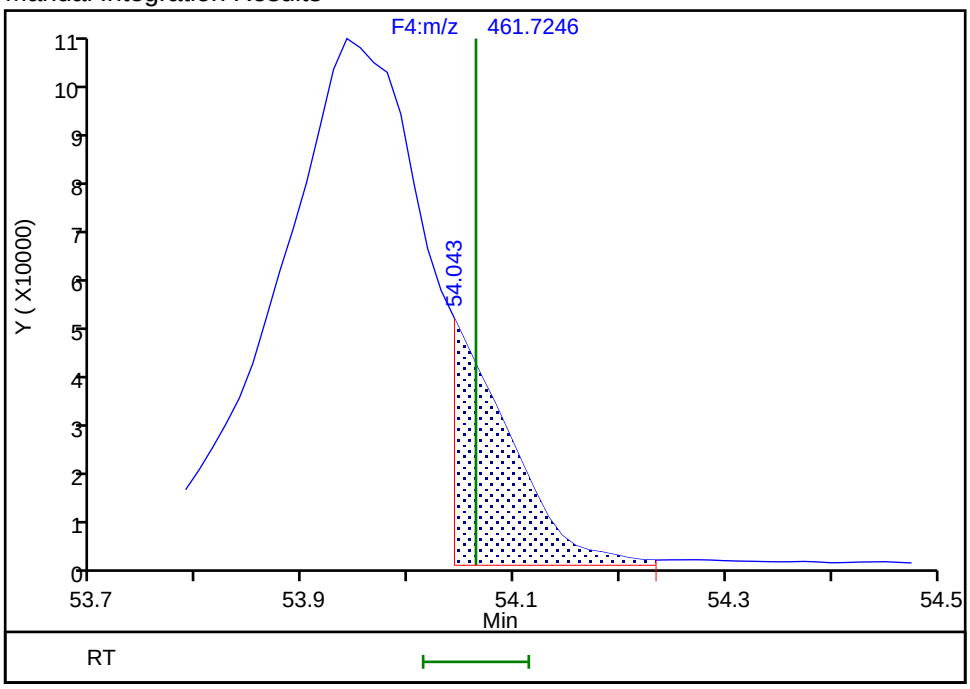
Not Detected
Expected RT: 54.06

Processing Integration Results




Manual Integration Results

RT: 54.04
Area: 183510
Amount: 15.496976
Amount Units: pg/ul




Reviewer: layk, 04-Oct-2019 11:29:31
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

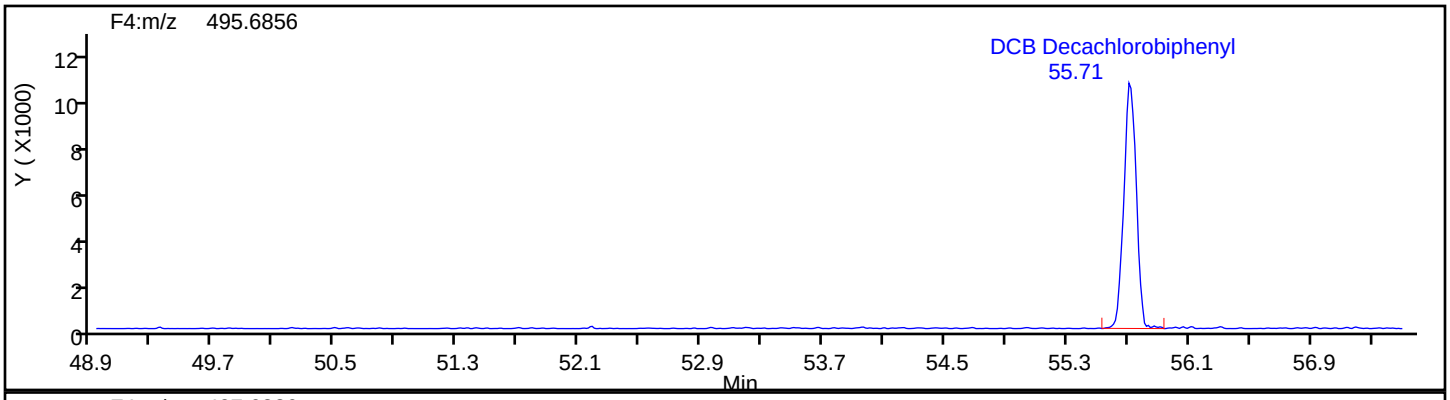
Report Date: 04-Oct-2019 14:14:49 Chrom Revision: 2.3 17-Sep-2019 16:19:08

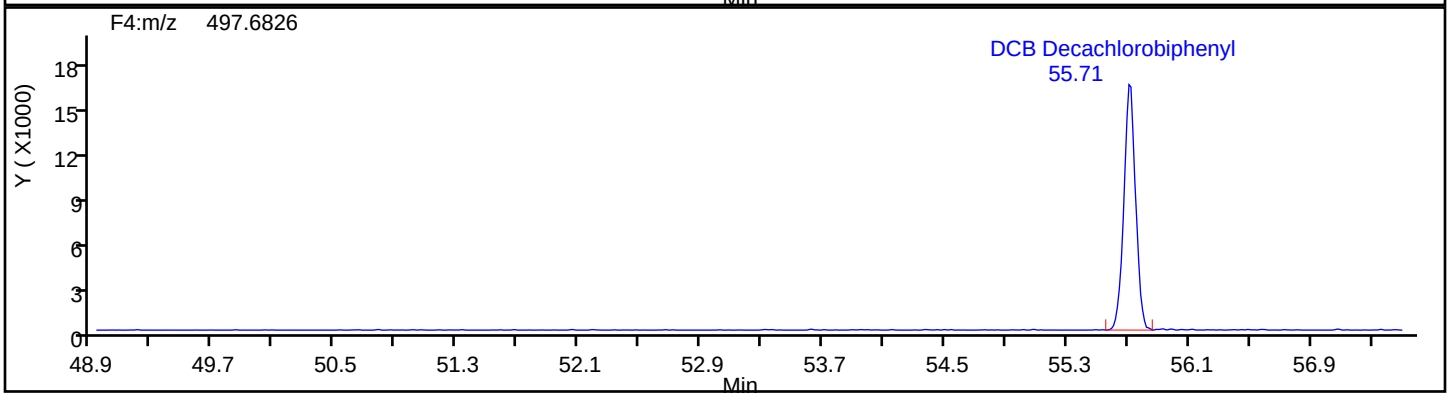
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d

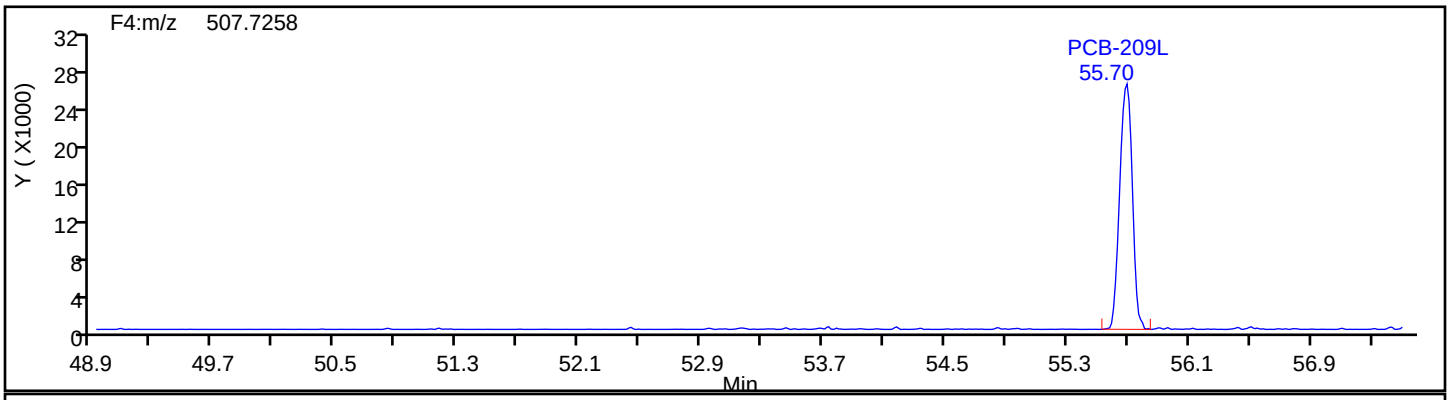
| | | | |
|---|---|---|---|
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

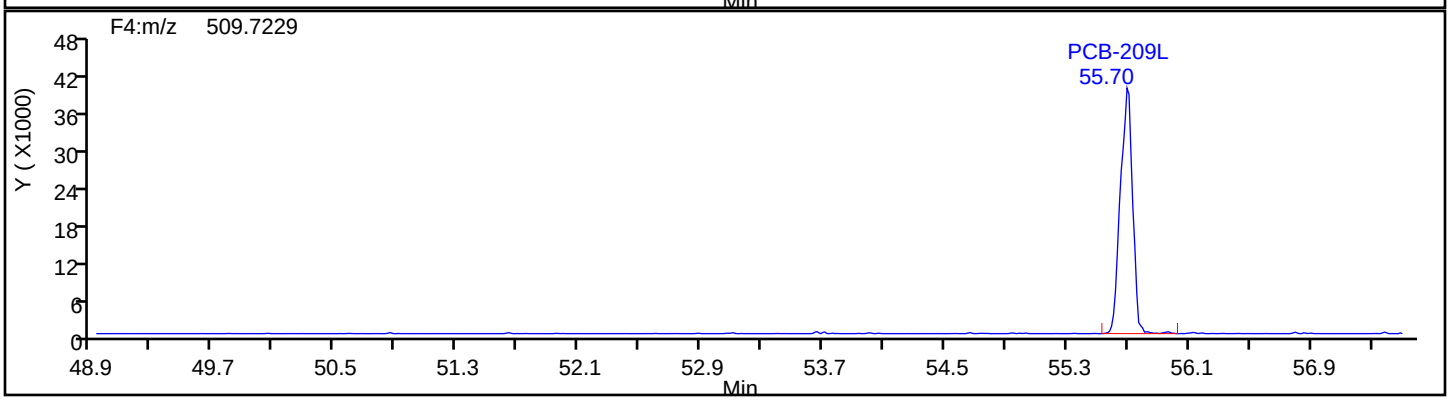
DePCB F4




DePCB F4 Standards

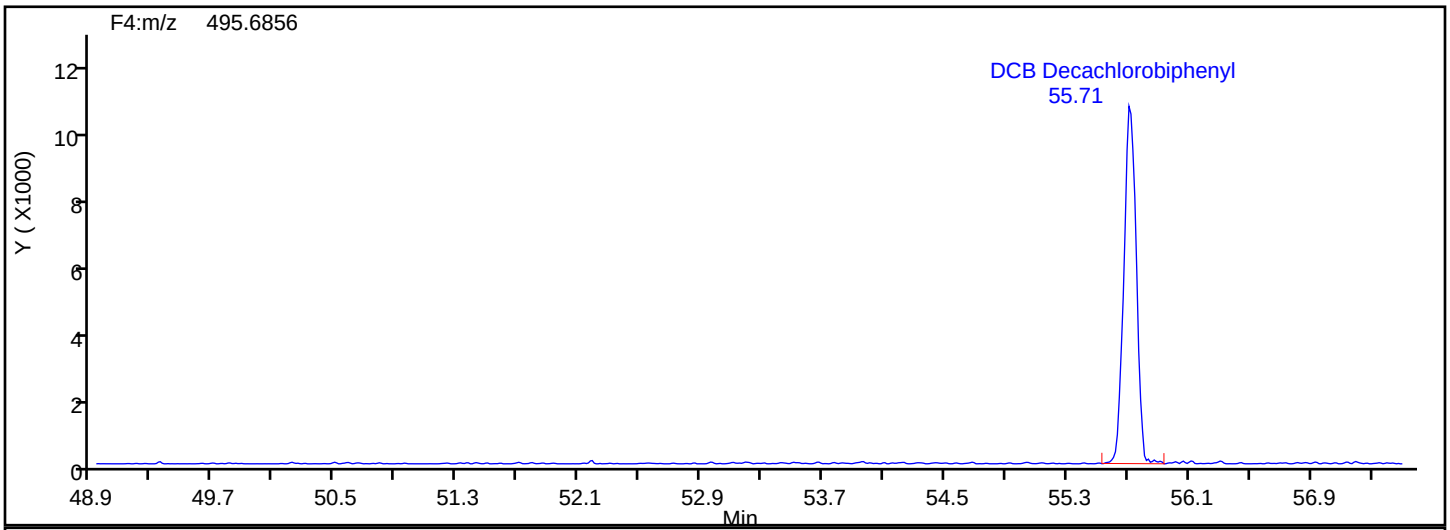


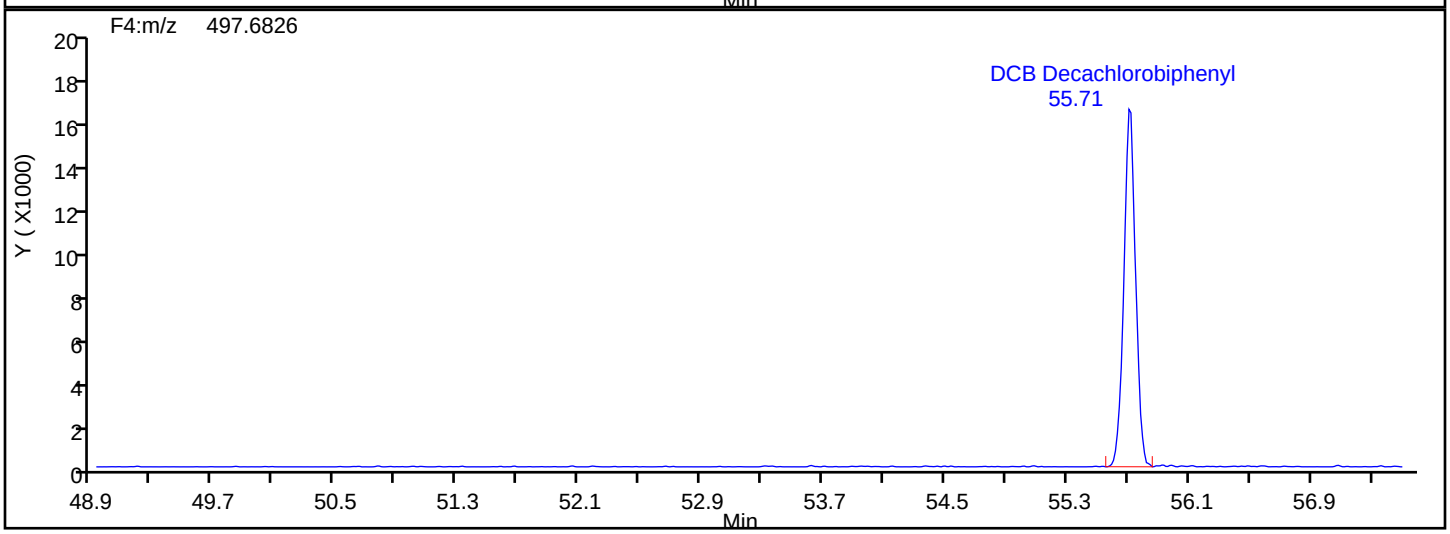



Eurofins TestAmerica, Knoxville

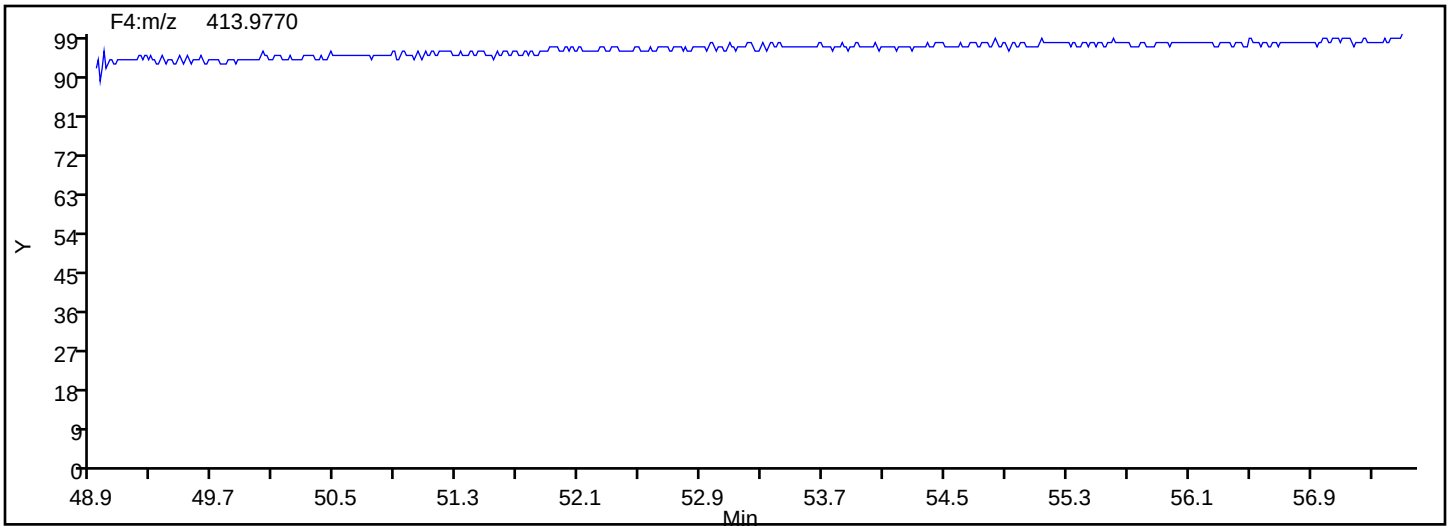
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\580-88908-a-36-c_191004060131.d | | |
| Injection Date: | 04-Oct-2019 06:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | J5-SC1b-10to20-82719 | | |
| Worklist#: | 34168 | Sample Line#: | 12 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.0030 | J B | 0.040 | 0.00057 |
| 2051-61-8 | PCB-2 | ND | | 0.040 | 0.00059 |
| 2051-62-9 | PCB-3 | 0.0025 | J q B | 0.040 | 0.00061 |
| 13029-08-8 | PCB-4 | ND | | 0.060 | 0.0020 |
| 16605-91-7 | PCB-5 | 0.0023 | J q | 0.040 | 0.0014 |
| 25569-80-6 | PCB-6 | ND | | 0.040 | 0.0014 |
| 33284-50-3 | PCB-7 | ND | | 0.040 | 0.0013 |
| 34883-43-7 | PCB-8 | 0.0046 | J q B | 0.060 | 0.0013 |
| 34883-39-1 | PCB-9 | ND | | 0.040 | 0.0015 |
| 33146-45-1 | PCB-10 | ND | | 0.040 | 0.0014 |
| 2050-67-1 | PCB-11 | 0.025 | J B | 0.060 | 0.0013 |
| 2974-92-7 | PCB-12 | 0.0045 | J q C B | 0.080 | 0.0013 |
| 2974-90-5 | PCB-13 | 0.0045 | J q C12 B | 0.080 | 0.0013 |
| 34883-41-5 | PCB-14 | 0.0038 | J | 0.040 | 0.0011 |
| 2050-68-2 | PCB-15 | 0.0040 | J q B | 0.040 | 0.0013 |
| 38444-78-9 | PCB-16 | ND | | 0.040 | 0.0013 |
| 37680-66-3 | PCB-17 | 0.0036 | J q B | 0.040 | 0.0010 |
| 37680-65-2 | PCB-18 | 0.0077 | J C B | 0.080 | 0.00090 |
| 38444-73-4 | PCB-19 | ND | | 0.040 | 0.0013 |
| 38444-84-7 | PCB-20 | 0.0067 | J C B | 0.080 | 0.00078 |
| 55702-46-0 | PCB-21 | 0.0052 | J C B | 0.080 | 0.00074 |
| 38444-85-8 | PCB-22 | 0.0029 | J q B | 0.040 | 0.00082 |
| 55720-44-0 | PCB-23 | ND | | 0.040 | 0.00080 |
| 55702-45-9 | PCB-24 | ND | | 0.040 | 0.00078 |
| 55712-37-3 | PCB-25 | 0.00089 | J q B | 0.040 | 0.00075 |
| 38444-81-4 | PCB-26 | 0.0029 | J q C B | 0.080 | 0.00077 |
| 38444-76-7 | PCB-27 | 0.0021 | J q B | 0.040 | 0.00076 |
| 7012-37-5 | PCB-28 | 0.0067 | J C20 B | 0.080 | 0.00078 |
| 15862-07-4 | PCB-29 | 0.0029 | J q C26 B | 0.080 | 0.00077 |
| 35693-92-6 | PCB-30 | 0.0077 | J C18 B | 0.080 | 0.00090 |
| 16606-02-3 | PCB-31 | 0.0046 | J B | 0.040 | 0.00074 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

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SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38444-77-8 | PCB-32 | 0.0047 | J B | 0.040 | 0.00070 |
| 38444-86-9 | PCB-33 | 0.0052 | J C21 B | 0.080 | 0.00074 |
| 37680-68-5 | PCB-34 | ND | | 0.040 | 0.00084 |
| 37680-69-6 | PCB-35 | ND | | 0.040 | 0.00083 |
| 38444-87-0 | PCB-36 | ND | | 0.040 | 0.00075 |
| 38444-90-5 | PCB-37 | 0.0016 | J q B | 0.040 | 0.00079 |
| 53555-66-1 | PCB-38 | ND | | 0.040 | 0.00077 |
| 38444-88-1 | PCB-39 | ND | | 0.040 | 0.00073 |
| 38444-93-8 | PCB-40 | ND | C | 0.12 | 0.0013 |
| 52663-59-9 | PCB-41 | ND | C40 | 0.12 | 0.0013 |
| 36559-22-5 | PCB-42 | ND | | 0.040 | 0.0014 |
| 70362-46-8 | PCB-43 | ND | C | 0.080 | 0.0012 |
| 41464-39-5 | PCB-44 | 0.018 | J C B | 0.12 | 0.0012 |
| 70362-45-7 | PCB-45 | ND | C | 0.080 | 0.0013 |
| 41464-47-5 | PCB-46 | ND | | 0.040 | 0.0016 |
| 2437-79-8 | PCB-47 | 0.018 | J C44 B | 0.12 | 0.0012 |
| 70362-47-9 | PCB-48 | ND | | 0.040 | 0.0013 |
| 41464-40-8 | PCB-49 | 0.0067 | J C B | 0.080 | 0.0010 |
| 62796-65-0 | PCB-50 | 0.0038 | J C B | 0.080 | 0.0013 |
| 68194-04-7 | PCB-51 | ND | C45 | 0.080 | 0.0013 |
| 35693-99-3 | PCB-52 | 0.0086 | J B | 0.040 | 0.0013 |
| 41464-41-9 | PCB-53 | 0.0038 | J C50 B | 0.080 | 0.0013 |
| 15968-05-5 | PCB-54 | ND | | 0.040 | 0.0011 |
| 74338-24-2 | PCB-55 | ND | | 0.040 | 0.00092 |
| 41464-43-1 | PCB-56 | 0.0022 | J q B | 0.040 | 0.00094 |
| 70424-67-8 | PCB-57 | ND | | 0.040 | 0.00093 |
| 41464-49-7 | PCB-58 | ND | | 0.040 | 0.00090 |
| 74472-33-6 | PCB-59 | ND | C | 0.12 | 0.00088 |
| 33025-41-1 | PCB-60 | ND | | 0.040 | 0.00090 |
| 33284-53-6 | PCB-61 | 0.0094 | J C B | 0.16 | 0.00088 |
| 54230-22-7 | PCB-62 | ND | C59 | 0.12 | 0.00088 |
| 74472-34-7 | PCB-63 | ND | | 0.040 | 0.00081 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-58-8 | PCB-64 | 0.0031 | J B | 0.040 | 0.00084 |
| 33284-54-7 | PCB-65 | 0.018 | J C44 B | 0.12 | 0.0012 |
| 32598-10-0 | PCB-66 | 0.0047 | J B | 0.040 | 0.00093 |
| 73575-53-8 | PCB-67 | ND | | 0.040 | 0.00085 |
| 73575-52-7 | PCB-68 | 0.0019 | J q B | 0.040 | 0.00081 |
| 60233-24-1 | PCB-69 | 0.0067 | J C49 B | 0.080 | 0.0010 |
| 32598-11-1 | PCB-70 | 0.0094 | J C61 B | 0.16 | 0.00088 |
| 41464-46-4 | PCB-71 | ND | C40 | 0.12 | 0.0013 |
| 41464-42-0 | PCB-72 | ND | | 0.040 | 0.00091 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.080 | 0.0012 |
| 32690-93-0 | PCB-74 | 0.0094 | J C61 B | 0.16 | 0.00088 |
| 32598-12-2 | PCB-75 | ND | C59 | 0.12 | 0.00088 |
| 70362-48-0 | PCB-76 | 0.0094 | J C61 B | 0.16 | 0.00088 |
| 32598-13-3 | PCB-77 | ND | | 0.040 | 0.00090 |
| 70362-49-1 | PCB-78 | ND | | 0.040 | 0.00091 |
| 41464-48-6 | PCB-79 | ND | | 0.040 | 0.00077 |
| 33284-52-5 | PCB-80 | ND | | 0.040 | 0.00081 |
| 70362-50-4 | PCB-81 | ND | | 0.040 | 0.00090 |
| 52663-62-4 | PCB-82 | ND | | 0.040 | 0.0025 |
| 60145-20-2 | PCB-83 | 0.0068 | J q C | 0.080 | 0.0024 |
| 52663-60-2 | PCB-84 | ND | | 0.040 | 0.0026 |
| 65510-45-4 | PCB-85 | ND | C | 0.12 | 0.0018 |
| 55312-69-1 | PCB-86 | ND | C | 0.24 | 0.0018 |
| 38380-02-8 | PCB-87 | ND | C86 | 0.24 | 0.0018 |
| 55215-17-3 | PCB-88 | ND | C | 0.080 | 0.0022 |
| 73575-57-2 | PCB-89 | ND | | 0.040 | 0.0025 |
| 68194-07-0 | PCB-90 | 0.011 | J q C B | 0.12 | 0.0019 |
| 68194-05-8 | PCB-91 | ND | C88 | 0.080 | 0.0022 |
| 52663-61-3 | PCB-92 | ND | | 0.040 | 0.0023 |
| 73575-56-1 | PCB-93 | ND | C | 0.080 | 0.0023 |
| 73575-55-0 | PCB-94 | ND | | 0.040 | 0.0024 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38379-99-6 | PCB-95 | 0.011 | J | 0.040 | 0.0023 |
| 73575-54-9 | PCB-96 | ND | | 0.040 | 0.0018 |
| 41464-51-1 | PCB-97 | ND | C86 | 0.24 | 0.0018 |
| 60233-25-2 | PCB-98 | ND | C | 0.080 | 0.0022 |
| 38380-01-7 | PCB-99 | 0.0068 | J q C83 | 0.080 | 0.0024 |
| 39485-83-1 | PCB-100 | ND | C93 | 0.080 | 0.0023 |
| 37680-73-2 | PCB-101 | 0.011 | J q C90 B | 0.12 | 0.0019 |
| 68194-06-9 | PCB-102 | ND | C98 | 0.080 | 0.0022 |
| 60145-21-3 | PCB-103 | ND | | 0.040 | 0.0021 |
| 56558-16-8 | PCB-104 | ND | | 0.040 | 0.0016 |
| 32598-14-4 | PCB-105 | 0.0031 | J B | 0.040 | 0.0014 |
| 70424-69-0 | PCB-106 | ND | | 0.040 | 0.0014 |
| 70424-68-9 | PCB-107 | ND | | 0.040 | 0.0013 |
| 70362-41-3 | PCB-108 | ND | C | 0.080 | 0.0014 |
| 74472-35-8 | PCB-109 | ND | C86 | 0.24 | 0.0018 |
| 38380-03-9 | PCB-110 | ND | C | 0.080 | 0.0016 |
| 39635-32-0 | PCB-111 | ND | | 0.040 | 0.0015 |
| 74472-36-9 | PCB-112 | ND | | 0.040 | 0.0016 |
| 68194-10-5 | PCB-113 | 0.011 | J q C90 B | 0.12 | 0.0019 |
| 74472-37-0 | PCB-114 | ND | | 0.040 | 0.0013 |
| 74472-38-1 | PCB-115 | ND | C110 | 0.080 | 0.0016 |
| 18259-05-7 | PCB-116 | ND | C85 | 0.12 | 0.0018 |
| 68194-11-6 | PCB-117 | ND | C85 | 0.12 | 0.0018 |
| 31508-00-6 | PCB-118 | 0.0062 | J B | 0.040 | 0.0013 |
| 56558-17-9 | PCB-119 | ND | C86 | 0.24 | 0.0018 |
| 68194-12-7 | PCB-120 | ND | | 0.040 | 0.0015 |
| 56558-18-0 | PCB-121 | ND | | 0.040 | 0.0016 |
| 76842-07-4 | PCB-122 | ND | | 0.040 | 0.0016 |
| 65510-44-3 | PCB-123 | ND | | 0.040 | 0.0013 |
| 70424-70-3 | PCB-124 | ND | C108 | 0.080 | 0.0014 |
| 74472-39-2 | PCB-125 | ND | C86 | 0.24 | 0.0018 |
| 57465-28-8 | PCB-126 | ND | | 0.040 | 0.0014 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 39635-33-1 | PCB-127 | ND | | 0.040 | 0.0014 |
| 38380-07-3 | PCB-128 | 0.0018 | J C B | 0.080 | 0.00050 |
| 55215-18-4 | PCB-129 | 0.011 | J C B | 0.16 | 0.00052 |
| 52663-66-8 | PCB-130 | 0.0011 | J | 0.040 | 0.00068 |
| 61798-70-7 | PCB-131 | ND | | 0.040 | 0.00066 |
| 38380-05-1 | PCB-132 | 0.0038 | J B | 0.040 | 0.00064 |
| 35694-04-3 | PCB-133 | ND | | 0.040 | 0.00062 |
| 52704-70-8 | PCB-134 | 0.0011 | J q C | 0.080 | 0.00066 |
| 52744-13-5 | PCB-135 | 0.0056 | J C B | 0.080 | 0.00073 |
| 38411-22-2 | PCB-136 | 0.0026 | J B | 0.040 | 0.00055 |
| 35694-06-5 | PCB-137 | ND | | 0.040 | 0.00053 |
| 35065-28-2 | PCB-138 | 0.011 | J C129 B | 0.16 | 0.00052 |
| 56030-56-9 | PCB-139 | ND | C | 0.080 | 0.00056 |
| 59291-64-4 | PCB-140 | ND | C139 | 0.080 | 0.00056 |
| 52712-04-6 | PCB-141 | 0.0025 | J B | 0.040 | 0.00059 |
| 41411-61-4 | PCB-142 | ND | | 0.040 | 0.00065 |
| 68194-15-0 | PCB-143 | 0.0011 | J q C134 | 0.080 | 0.00066 |
| 68194-14-9 | PCB-144 | 0.0011 | J q | 0.040 | 0.00069 |
| 74472-40-5 | PCB-145 | ND | | 0.040 | 0.00054 |
| 51908-16-8 | PCB-146 | 0.0017 | J q | 0.040 | 0.00056 |
| 68194-13-8 | PCB-147 | 0.010 | J C B | 0.080 | 0.00058 |
| 74472-41-6 | PCB-148 | ND | | 0.040 | 0.00071 |
| 38380-04-0 | PCB-149 | 0.010 | J C147 B | 0.080 | 0.00058 |
| 68194-08-1 | PCB-150 | 0.00083 | J q | 0.040 | 0.00052 |
| 52663-63-5 | PCB-151 | 0.0056 | J C135 B | 0.080 | 0.00073 |
| 68194-09-2 | PCB-152 | ND | | 0.040 | 0.00051 |
| 35065-27-1 | PCB-153 | 0.0091 | J q C B | 0.080 | 0.00046 |
| 60145-22-4 | PCB-154 | 0.0011 | J q | 0.040 | 0.00063 |
| 33979-03-2 | PCB-155 | ND | | 0.040 | 0.00049 |

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HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

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Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38380-08-4 | PCB-156 | 0.0013 | J q C | 0.080 | 0.00052 |
| 69782-90-7 | PCB-157 | 0.0013 | J q C156 | 0.080 | 0.00052 |
| 74472-42-7 | PCB-158 | 0.0010 | J q B | 0.040 | 0.00041 |
| 39635-35-3 | PCB-159 | ND | | 0.040 | 0.00043 |
| 41411-62-5 | PCB-160 | 0.011 | J C129 B | 0.16 | 0.00052 |
| 74472-43-8 | PCB-161 | ND | | 0.040 | 0.00042 |
| 39635-34-2 | PCB-162 | ND | | 0.040 | 0.00041 |
| 74472-44-9 | PCB-163 | 0.011 | J C129 B | 0.16 | 0.00052 |
| 74472-45-0 | PCB-164 | ND | | 0.040 | 0.00045 |
| 74472-46-1 | PCB-165 | ND | | 0.040 | 0.00050 |
| 41411-63-6 | PCB-166 | 0.0018 | J C128 B | 0.080 | 0.00050 |
| 52663-72-6 | PCB-167 | ND | | 0.040 | 0.00034 |
| 59291-65-5 | PCB-168 | 0.0091 | J q C153 B | 0.080 | 0.00046 |
| 32774-16-6 | PCB-169 | ND | | 0.040 | 0.00041 |
| 35065-30-6 | PCB-170 | 0.0058 | J q B | 0.040 | 0.00093 |
| 52663-71-5 | PCB-171 | 0.0028 | J C | 0.080 | 0.00093 |
| 52663-74-8 | PCB-172 | ND | | 0.040 | 0.00090 |
| 68194-16-1 | PCB-173 | 0.0028 | J C171 | 0.080 | 0.00093 |
| 38411-25-5 | PCB-174 | 0.0052 | J q B | 0.040 | 0.00093 |
| 40186-70-7 | PCB-175 | ND | | 0.040 | 0.00083 |
| 52663-65-7 | PCB-176 | ND | | 0.040 | 0.00058 |
| 52663-70-4 | PCB-177 | 0.0042 | J q | 0.040 | 0.00094 |
| 52663-67-9 | PCB-178 | ND | | 0.040 | 0.00087 |
| 52663-64-6 | PCB-179 | 0.0026 | J B | 0.040 | 0.00063 |
| 35065-29-3 | PCB-180 | 0.0091 | J q C B | 0.080 | 0.00072 |
| 74472-47-2 | PCB-181 | ND | | 0.040 | 0.00080 |
| 60145-23-5 | PCB-182 | ND | | 0.040 | 0.00077 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-69-1 | PCB-183 | 0.0037 | J q C B | 0.080 | 0.00078 |
| 74472-48-3 | PCB-184 | ND | | 0.040 | 0.00063 |
| 52712-05-7 | PCB-185 | 0.0037 | J q C183 B | 0.080 | 0.00078 |
| 74472-49-4 | PCB-186 | ND | | 0.040 | 0.00062 |
| 52663-68-0 | PCB-187 | 0.0060 | J B | 0.040 | 0.00080 |
| 74487-85-7 | PCB-188 | ND | | 0.040 | 0.00057 |
| 39635-31-9 | PCB-189 | ND | | 0.040 | 0.00073 |
| 41411-64-7 | PCB-190 | ND | | 0.040 | 0.00065 |
| 74472-50-7 | PCB-191 | ND | | 0.040 | 0.00064 |
| 74472-51-8 | PCB-192 | ND | | 0.040 | 0.00069 |
| 69782-91-8 | PCB-193 | 0.0091 | J q C180 B | 0.080 | 0.00072 |
| 35694-08-7 | PCB-194 | 0.0024 | J B | 0.040 | 0.00094 |
| 52663-78-2 | PCB-195 | ND | | 0.040 | 0.0011 |
| 42740-50-1 | PCB-196 | ND | | 0.040 | 0.00066 |
| 33091-17-7 | PCB-197 | ND | | 0.040 | 0.00048 |
| 68194-17-2 | PCB-198 | 0.0023 | J q C B | 0.080 | 0.00070 |
| 52663-75-9 | PCB-199 | 0.0023 | J q C198 B | 0.080 | 0.00070 |
| 52663-73-7 | PCB-200 | ND | | 0.040 | 0.00051 |
| 40186-71-8 | PCB-201 | ND | | 0.040 | 0.00048 |
| 2136-99-4 | PCB-202 | 0.00091 | J q | 0.040 | 0.00055 |
| 52663-76-0 | PCB-203 | 0.0017 | J q B | 0.040 | 0.00062 |
| 74472-52-9 | PCB-204 | ND | | 0.040 | 0.00052 |
| 74472-53-0 | PCB-205 | ND | | 0.040 | 0.00071 |
| 40186-72-9 | PCB-206 | ND | | 0.040 | 0.0025 |
| 52663-79-3 | PCB-207 | ND | | 0.040 | 0.0018 |
| 52663-77-1 | PCB-208 | ND | | 0.040 | 0.0019 |
| 2051-24-3 | PCB-209 | 0.0044 | J B | 0.040 | 0.00068 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.0055 | J B | 0.040 | 0.00059 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.044 | J B | 0.080 | 0.0014 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 25323-68-6 | Total Trichlorobiphenyls | 0.043 | J B | 0.080 | 0.00084 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 0.058 | J B | 0.16 | 0.0010 |
| 25429-29-2 | Total Pentachlorobiphenyls | 0.038 | J B | 0.24 | 0.0018 |
| 26601-64-9 | Total Hexachlorobiphenyls | 0.056 | J B | 0.16 | 0.00055 |
| 28655-71-2 | Total Heptachlorobiphenyls | 0.039 | J B | 0.080 | 0.00076 |
| 55722-26-4 | Total Octachlorobiphenyls | 0.0073 | J B | 0.080 | 0.00066 |
| 53742-07-7 | Total Nonachlorobiphenyls | ND | | 0.040 | 0.0025 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 0.30 | B | 0.24 | 0.0011 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID: 711-82719  Lab Sample ID: 580-88908-74

Matrix: Water  Lab File ID: 580-88908-a-74-a.d

Analysis Method: 1668A  Date Collected: 08/27/2019 08:40

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1002.7(mL)  Date Analyzed: 09/24/2019 17:59

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 94 | | 30-140 |
| 208263-77-8 | PCB-3L | 96 | | 30-140 |
| 234432-86-1 | PCB-4L | 86 | | 30-140 |
| 208263-67-6 | PCB-15L | 88 | | 30-140 |
| 234432-87-2 | PCB-19L | 86 | | 30-140 |
| 208263-79-0 | PCB-37L | 93 | | 30-140 |
| 234432-88-3 | PCB-54L | 103 | | 30-140 |
| 105600-23-5 | PCB-77L | 89 | | 30-140 |
| 208461-24-9 | PCB-81L | 87 | | 30-140 |
| 234432-89-4 | PCB-104L | 88 | | 30-140 |
| 208263-62-1 | PCB-105L | 86 | | 30-140 |
| 208263-63-2 | PCB-114L | 86 | | 30-140 |
| 104130-40-7 | PCB-118L | 88 | | 30-140 |
| 208263-64-3 | PCB-123L | 86 | | 30-140 |
| 208263-65-4 | PCB-126L | 95 | | 30-140 |
| 234432-90-7 | PCB-155L | 102 | | 30-140 |
| 208263-68-7 | PCB-156L | 91 | C | 30-140 |
| 235416-30-5 | PCB-157L | 91 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 90 | | 30-140 |
| 208263-70-1 | PCB-169L | 93 | | 30-140 |
| 160901-80-4 | PCB-170L | 78 | | 30-140 |
| 234432-91-8 | PCB-188L | 81 | | 30-140 |
| 208263-73-4 | PCB-189L | 92 | | 30-140 |
| 105600-26-8 | PCB-202L | 92 | | 30-140 |
| 234446-64-1 | PCB-205L | 81 | | 30-140 |
| 208263-75-6 | PCB-206L | 75 | | 30-140 |
| 234432-92-9 | PCB-208L | 81 | | 30-140 |
| 105600-27-9 | PCB-209L | 62 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 81 | | 40-125 |
| 235416-29-2 | PCB-111L | 89 | | 40-125 |
| 232919-67-4 | PCB-178L | 90 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d
Lims ID: 580-88908-A-74-A
Client ID: 711-82719
Sample Type: Client
Inject. Date: 24-Sep-2019 17:59:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 21:51:19 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0328

First Level Reviewer: parslyt Date: 24-Sep-2019 21:51:19

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 0.3247 | 0.2753 | 0.0297 | 0.0297 | | RQ |
| D PCB-1L | 11:43 | 483287 | 3.22 | 1.3140 | 93.5 | 93.5 | 0.7531 | 0.7531 | 93.51 | |
| D PCB-3L | 13:53 | 515559 | 3.04 | 1.3615 | 96.3 | 96.3 | 0.7268 | 0.7268 | 96.28 | |
| PCB-1 | 11:44 | 872 | 3.38 | 1.1883 | 0.1518 | 0.1518 | 0.0286 | 0.0286 | | M |
| PCB-2 | 13:45 | | | | | | 0.0298 | 0.0298 | | |
| PCB-3 | 13:54 | 772 | 3.13 | 1.2130 | 0.1729 | 0.1234 | 0.0306 | 0.0306 | | RQ |
| S Total Dichlorobiphenyls | | | | | 2.477 | 2.205 | 0.0702 | 0.0702 | | RQ |
| D PCB-4L | 14:08 | 202166 | 1.68 | 0.5996 | 85.7 | 85.7 | 0.2960 | 0.2960 | 85.73 | |
| * PCB-9L | 16:07 | 393309 | 1.62 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:02 | 355210 | 1.65 | 1.0280 | 87.9 | 87.9 | 0.1726 | 0.1726 | 87.85 | |
| PCB-4 | 14:11 | | | | | | 0.0995 | 0.0995 | | |
| PCB-10 | 14:22 | | | | | | 0.0722 | 0.0722 | | |
| PCB-9 | 16:09 | | | | | | 0.0754 | 0.0754 | | |
| PCB-7 | 16:19 | | | | | | 0.0659 | 0.0659 | | |
| PCB-6 | 16:33 | | | | | | 0.0689 | 0.0689 | | |
| PCB-5 | 16:51 | 509 | 1.56 | 1.5606 | 0.1892 | 0.1170 | 0.0686 | 0.0686 | | RQM |
| PCB-8 | 16:58 | 1021 | 1.56 | 1.5884 | 0.2808 | 0.2307 | 0.0674 | 0.0674 | | RQ |
| PCB-14 | 18:36 | 990 | 1.75 | 1.8738 | 0.1896 | 0.1896 | 0.0571 | 0.0571 | | |
| PCB-11 | 19:26 | 5658 | 1.58 | 1.6347 | 1.242 | 1.242 | 0.0655 | 0.0655 | | |
| PCB-12 | 19:45 | 1031 | 1.56 | 1.6410 | 0.3586 | 0.2254 | 0.0652 | 0.0652 | | RQ |
| PCB-13 (C12) | 19:45 | 1031 | 1.56 | 1.6410 | 0.3586 | 0.2254 | 0.0652 | 0.0652 | | RQ |
| PCB-15 | 20:02 | 997 | 1.56 | 1.4024 | 0.2168 | 0.2001 | 0.0668 | 0.0668 | | RQ |
| S Total Trichlorobiphenyl | | | | | 2.306 | 2.150 | 0.0423 | 0.0423 | | RQ |
| D PCB-19L | 17:15 | 111965 | 1.11 | 0.6095 | 85.9 | 85.9 | 2.694 | 2.694 | 85.95 | |
| * PCB-32L | 20:30 | 213749 | 1.08 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:46 | 842911 | 1.05 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:04 | 750515 | 1.07 | 1.0975 | 81.1 | 81.1 | 0.9413 | 0.9413 | 81.13 | |
| D PCB-37L | 27:04 | 705578 | 1.12 | 0.9024 | 92.8 | 92.8 | 1.145 | 1.145 | 92.76 | |
| PCB-19 | 17:17 | | | | | | 0.0631 | 0.0631 | | |
| PCB-18 | 19:07 | 789 | 1.17 | 1.8188 | 0.3875 | 0.3875 | 0.0453 | 0.0453 | | |
| PCB-30 (C18) | 19:07 | 789 | 1.17 | 1.8188 | 0.3875 | 0.3875 | 0.0453 | 0.0453 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:34 | 315 | 1.04 | 1.5641 | 0.2130 | 0.1799 | 0.0526 | 0.0526 | | RQ |
| PCB-27 | 19:47 | 253 | 1.04 | 2.1680 | 0.1343 | 0.1042 | 0.0380 | 0.0380 | | RQ |
| PCB-24 | 19:54 | | | | | | 0.0392 | 0.0392 | | |
| PCB-16 | 20:01 | | | | | | 0.0671 | 0.0671 | | |
| PCB-32 | 20:32 | 614 | 1.00 | 2.3416 | 0.2342 | 0.2342 | 0.0351 | 0.0351 | | |
| PCB-34 | 21:48 | | | | | | 0.0419 | 0.0419 | | |
| PCB-23 | 21:57 | | | | | | 0.0402 | 0.0402 | | |
| PCB-26 | 22:15 | 1336 | 1.04 | 1.3193 | 0.1725 | 0.1435 | 0.0386 | 0.0386 | | RQ |
| PCB-29 (C26) | 22:15 | 1336 | 1.04 | 1.3193 | 0.1725 | 0.1435 | 0.0386 | 0.0386 | | RQ |
| PCB-25 | 22:29 | 428 | 1.04 | 1.3523 | 0.0742 | 0.0449 | 0.0376 | 0.0376 | | RQ |
| PCB-31 | 22:47 | 2256 | 1.01 | 1.3809 | 0.2315 | 0.2315 | 0.0369 | 0.0369 | | |
| PCB-20 | 23:04 | 3087 | 1.03 | 1.3057 | 0.3351 | 0.3351 | 0.0390 | 0.0390 | | |
| PCB-28 (C20) | 23:04 | 3087 | 1.03 | 1.3057 | 0.3351 | 0.3351 | 0.0390 | 0.0390 | | |
| PCB-21 | 23:20 | 2534 | 1.09 | 1.3777 | 0.2607 | 0.2607 | 0.0369 | 0.0369 | | M |
| PCB-33 (C21) | 23:20 | 2534 | 1.09 | 1.3777 | 0.2607 | 0.2607 | 0.0369 | 0.0369 | | M |
| PCB-22 | 23:43 | 1288 | 1.04 | 1.2430 | 0.1668 | 0.1469 | 0.0410 | 0.0410 | | RQM |
| PCB-36 | 25:17 | | | | | | 0.0378 | 0.0378 | | |
| PCB-39 | 25:38 | | | | | | 0.0364 | 0.0364 | | |
| PCB-38 | 26:13 | | | | | | 0.0386 | 0.0386 | | |
| PCB-35 | 26:41 | | | | | | 0.0418 | 0.0418 | | |
| PCB-37 | 27:04 | 740 | 1.04 | 1.2879 | 0.0961 | 0.0814 | 0.0395 | 0.0395 | | RQ |
| S Total Tetrachlorobiphen | | | | | 2.961 | 2.916 | 0.0514 | 0.0514 | | RQ |
| D PCB-54L | 20:20 | 144088 | 0.80 | 0.6515 | 103.5 | 103.5 | 0.2181 | 0.2181 | 103 | |
| * PCB-52L | 24:54 | 462781 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:49 | 494391 | 0.80 | 1.2328 | 86.7 | 86.7 | 0.2016 | 0.2016 | 86.66 | |
| D PCB-77L | 34:23 | 513624 | 0.82 | 1.2523 | 88.6 | 88.6 | 0.1985 | 0.1985 | 88.63 | |
| PCB-54 | 20:22 | | | | | | 0.0536 | 0.0536 | | |
| PCB-50 | 22:31 | 908 | 0.65 | 0.9362 | 0.1924 | 0.1924 | 0.0638 | 0.0638 | | |
| PCB-53 (C50) | 22:31 | 908 | 0.65 | 0.9362 | 0.1924 | 0.1924 | 0.0638 | 0.0638 | | |
| PCB-45 | 23:16 | | | | | | 0.0675 | 0.0675 | | |
| PCB-51 (C45) | 23:16 | | | | | | 0.0675 | 0.0675 | | |
| PCB-46 | 23:31 | | | | | | 0.0787 | 0.0787 | | |
| PCB-52 | 24:55 | 1955 | 0.77 | 0.8992 | 0.4314 | 0.4314 | 0.0665 | 0.0665 | | |
| PCB-43 | 25:05 | | | | | | 0.0598 | 0.0598 | | |
| PCB-73 (C43) | 25:05 | | | | | | 0.0598 | 0.0598 | | |
| PCB-49 | 25:25 | 1912 | 0.87 | 1.1366 | 0.3338 | 0.3338 | 0.0526 | 0.0526 | | |
| PCB-69 (C49) | 25:25 | 1912 | 0.87 | 1.1366 | 0.3338 | 0.3338 | 0.0526 | 0.0526 | | |
| PCB-48 | 25:42 | | | | | | 0.0632 | 0.0632 | | |
| PCB-44 | 25:58 | 4640 | 0.81 | 1.0323 | 0.8918 | 0.8918 | 0.0579 | 0.0579 | | M |
| PCB-47 (C44) | 25:58 | 4640 | 0.81 | 1.0323 | 0.8918 | 0.8918 | 0.0579 | 0.0579 | | M |
| PCB-65 (C44) | 25:58 | 4640 | 0.81 | 1.0323 | 0.8918 | 0.8918 | 0.0579 | 0.0579 | | M |
| PCB-59 | 26:14 | | | | | | 0.0439 | 0.0439 | | |
| PCB-62 (C59) | 26:14 | | | | | | 0.0439 | 0.0439 | | |
| PCB-75 (C59) | 26:14 | | | | | | 0.0439 | 0.0439 | | |
| PCB-42 | 26:27 | | | | | | 0.0689 | 0.0689 | | |
| PCB-40 | 26:57 | | | | | | 0.0651 | 0.0651 | | |
| PCB-41 (C40) | 26:57 | | | | | | 0.0651 | 0.0651 | | |
| PCB-71 (C40) | 26:57 | | | | | | 0.0651 | 0.0651 | | |
| PCB-64 | 27:09 | 1123 | 0.77 | 1.4164 | 0.1573 | 0.1573 | 0.0422 | 0.0422 | | |
| PCB-72 | 28:00 | | | | | | 0.0454 | 0.0454 | | |
| PCB-68 | 28:18 | 716 | 0.77 | 1.4782 | 0.1066 | 0.0961 | 0.0404 | 0.0404 | | RQM |
| PCB-57 | 28:42 | | | | | | 0.0466 | 0.0466 | | |
| PCB-58 | 28:57 | | | | | | 0.0452 | 0.0452 | | |
| PCB-67 | 29:07 | | | | | | 0.0429 | 0.0429 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:23 | | | | | | 0.0407 | 0.0407 | | |
| PCB-61 | 29:42 | 3214 | 0.86 | 1.3565 | 0.4701 | 0.4701 | 0.0441 | 0.0441 | | |
| PCB-70 (C61) | 29:42 | 3214 | 0.86 | 1.3565 | 0.4701 | 0.4701 | 0.0441 | 0.0441 | | |
| PCB-74 (C61) | 29:42 | 3214 | 0.86 | 1.3565 | 0.4701 | 0.4701 | 0.0441 | 0.0441 | | |
| PCB-76 (C61) | 29:42 | 3214 | 0.86 | 1.3565 | 0.4701 | 0.4701 | 0.0441 | 0.0441 | | |
| PCB-66 | 30:03 | 1505 | 0.87 | 1.2800 | 0.2333 | 0.2333 | 0.0467 | 0.0467 | | |
| PCB-55 | 30:12 | | | | | | 0.0461 | 0.0461 | | |
| PCB-56 | 30:42 | 701 | 0.77 | 1.2671 | 0.1439 | 0.1098 | 0.0472 | 0.0472 | | RQ |
| PCB-60 | 30:55 | | | | | | 0.0450 | 0.0450 | | |
| PCB-80 | 31:21 | | | | | | 0.0407 | 0.0407 | | |
| PCB-79 | 32:51 | | | | | | 0.0388 | 0.0388 | | |
| PCB-78 | 33:25 | | | | | | 0.0455 | 0.0455 | | |
| PCB-81 | 33:51 | | | | | | 0.0452 | 0.0452 | | |
| PCB-77 | 34:25 | | | | | | 0.0449 | 0.0449 | | |
| S Total Pentachlorobiphen | | | | | 1.982 | 1.875 | 0.0916 | 0.0916 | | RQ |
| D PCB-104L | 25:51 | 305841 | 1.61 | 1.1164 | 87.9 | 87.9 | 0.1628 | 0.1628 | 87.85 | |
| * PCB-101L | 31:46 | 311842 | 1.65 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:27 | 339216 | 1.61 | 1.2177 | 89.3 | 89.3 | 0.1493 | 0.1493 | 89.33 | |
| D PCB-123L | 36:24 | 522488 | 1.58 | 0.9909 | 86.4 | 86.4 | 0.5699 | 0.5699 | 86.45 | |
| D PCB-118L | 36:44 | 551918 | 1.55 | 1.0256 | 88.2 | 88.2 | 0.5507 | 0.5507 | 88.23 | |
| D PCB-114L | 37:15 | 525064 | 1.64 | 1.0030 | 85.8 | 85.8 | 0.5631 | 0.5631 | 85.83 | |
| D PCB-105L | 37:54 | 525296 | 1.59 | 1.0013 | 86.0 | 86.0 | 0.5640 | 0.5640 | 86.01 | |
| * PCB-127L | 39:23 | 609944 | 1.57 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 40:59 | 520055 | 1.58 | 0.9020 | 94.5 | 94.5 | 0.6261 | 0.6261 | 94.52 | |
| PCB-104 | 25:53 | | | | | | 0.0795 | 0.0795 | | |
| PCB-96 | 26:14 | | | | | | 0.0902 | 0.0902 | | |
| PCB-103 | 28:11 | | | | | | 0.1072 | 0.1072 | | |
| PCB-94 | 28:24 | | | | | | 0.1225 | 0.1225 | | |
| PCB-95 | 28:51 | 1603 | 1.39 | 0.9620 | 0.5448 | 0.5448 | 0.1151 | 0.1151 | | |
| PCB-93 | 29:05 | | | | | | 0.1129 | 0.1129 | | |
| PCB-100 (C93) | 29:05 | | | | | | 0.1129 | 0.1129 | | |
| PCB-98 | 29:13 | | | | | | 0.1120 | 0.1120 | | |
| PCB-102 (C98) | 29:13 | | | | | | 0.1120 | 0.1120 | | |
| PCB-88 | 29:43 | | | | | | 0.1101 | 0.1101 | | |
| PCB-91 (C88) | 29:43 | | | | | | 0.1101 | 0.1101 | | |
| PCB-84 | 29:56 | | | | | | 0.1287 | 0.1287 | | |
| PCB-89 | 30:25 | | | | | | 0.1239 | 0.1239 | | |
| PCB-121 | 30:50 | | | | | | 0.0792 | 0.0792 | | |
| PCB-92 | 31:12 | | | | | | 0.1161 | 0.1161 | | |
| PCB-90 | 31:46 | 1832 | 1.55 | 1.1367 | 0.5741 | 0.5270 | 0.0974 | 0.0974 | | RQ |
| PCB-101 (C90) | 31:46 | 1832 | 1.55 | 1.1367 | 0.5741 | 0.5270 | 0.0974 | 0.0974 | | RQ |
| PCB-113 (C90) | 31:46 | 1832 | 1.55 | 1.1367 | 0.5741 | 0.5270 | 0.0974 | 0.0974 | | RQ |
| PCB-83 | 32:21 | 978 | 1.55 | 0.9393 | 0.3996 | 0.3404 | 0.1179 | 0.1179 | | RQM |
| PCB-99 (C83) | 32:21 | 978 | 1.55 | 0.9393 | 0.3996 | 0.3404 | 0.1179 | 0.1179 | | RQM |
| PCB-112 | 32:29 | | | | | | 0.0810 | 0.0810 | | |
| PCB-86 | 32:51 | | | | | | 0.0926 | 0.0926 | | |
| PCB-87 (C86) | 32:51 | | | | | | 0.0926 | 0.0926 | | |
| PCB-97 (C86) | 32:51 | | | | | | 0.0926 | 0.0926 | | |
| PCB-109 (C86) | 32:51 | | | | | | 0.0926 | 0.0926 | | |
| PCB-119 (C86) | 32:51 | | | | | | 0.0926 | 0.0926 | | |
| PCB-125 (C86) | 32:51 | | | | | | 0.0926 | 0.0926 | | |
| PCB-85 | 33:36 | | | | | | 0.0913 | 0.0913 | | |
| PCB-116 (C85) | 33:36 | | | | | | 0.0913 | 0.0913 | | |
| PCB-117 (C85) | 33:36 | | | | | | 0.0913 | 0.0913 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:50 | | | | | | 0.0819 | 0.0819 | | |
| PCB-115 (C110) | 33:50 | | | | | | 0.0819 | 0.0819 | | |
| PCB-82 | 34:05 | | | | | | 0.1276 | 0.1276 | | |
| PCB-111 | 34:28 | | | | | | 0.0776 | 0.0776 | | |
| PCB-120 | 34:56 | | | | | | 0.0743 | 0.0743 | | |
| PCB-108 | 36:04 | | | | | | 0.0723 | 0.0723 | | |
| PCB-124 (C108) | 36:04 | | | | | | 0.0723 | 0.0723 | | |
| PCB-107 | 36:18 | | | | | | 0.0668 | 0.0668 | | |
| PCB-123 | 36:26 | | | | | | 0.0675 | 0.0675 | | |
| PCB-106 | 36:33 | | | | | | 0.0711 | 0.0711 | | |
| PCB-118 | 36:45 | 2198 | 1.45 | 1.2892 | 0.3089 | 0.3089 | 0.0674 | 0.0674 | | M |
| PCB-122 | 37:06 | | | | | | 0.0781 | 0.0781 | | |
| PCB-114 | 37:17 | | | | | | 0.0635 | 0.0635 | | |
| PCB-105 | 37:55 | 1044 | 1.37 | 1.2887 | 0.1542 | 0.1542 | 0.0719 | 0.0719 | | |
| PCB-127 | 39:25 | | | | | | 0.0706 | 0.0706 | | |
| PCB-126 | 41:01 | | | | | | 0.0703 | 0.0703 | | |
| S Total Hexachlorobipheny | | | | | 2.943 | 2.817 | 0.0274 | 0.0274 | | RQ |
| D PCB-155L | 31:33 | 301260 | 1.26 | 0.9499 | 101.7 | 101.7 | 0.1019 | 0.1019 | 102 | |
| * PCB-138L | 39:51 | 426262 | 1.24 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:52 | 483692 | 1.26 | 1.2544 | 90.5 | 90.5 | 0.2781 | 0.2781 | 90.46 | |
| D PCB-156L | 44:01 | 950694 | 1.29 | 1.2289 | 181.5 | 181.5 | 0.2839 | 0.2839 | 90.74 | |
| D PCB-157L (C156L) | 44:01 | 950694 | 1.29 | 1.2289 | 181.5 | 181.5 | 0.2839 | 0.2839 | 90.74 | |
| D PCB-169L | 47:15 | 433548 | 1.26 | 1.0883 | 93.5 | 93.5 | 0.3205 | 0.3205 | 93.45 | |
| PCB-155 | 31:34 | | | | | | 0.0246 | 0.0246 | | |
| PCB-152 | 31:45 | | | | | | 0.0255 | 0.0255 | | |
| PCB-150 | 31:55 | 155 | 1.24 | 1.2368 | 0.0488 | 0.0416 | 0.0259 | 0.0259 | | RQM |
| PCB-136 | 32:18 | 453 | 1.28 | 1.1563 | 0.1300 | 0.1300 | 0.0277 | 0.0277 | | |
| PCB-145 | 32:35 | | | | | | 0.0269 | 0.0269 | | |
| PCB-148 | 34:06 | | | | | | 0.0356 | 0.0356 | | |
| PCB-135 | 34:39 | 734 | 1.15 | 0.8691 | 0.2803 | 0.2803 | 0.0368 | 0.0368 | | |
| PCB-151 (C135) | 34:39 | 734 | 1.15 | 0.8691 | 0.2803 | 0.2803 | 0.0368 | 0.0368 | | |
| PCB-154 | 34:56 | 172 | 1.24 | 1.0180 | 0.0721 | 0.0561 | 0.0314 | 0.0314 | | RQ |
| PCB-144 | 35:15 | 150 | 1.24 | 0.9185 | 0.0611 | 0.0542 | 0.0348 | 0.0348 | | RQM |
| PCB-147 | 35:37 | 2393 | 1.08 | 0.9747 | 0.5258 | 0.5258 | 0.0289 | 0.0289 | | |
| PCB-149 (C147) | 35:37 | 2393 | 1.08 | 0.9747 | 0.5258 | 0.5258 | 0.0289 | 0.0289 | | |
| PCB-134 | 35:55 | 218 | 1.24 | 0.8518 | 0.0719 | 0.0548 | 0.0331 | 0.0331 | | RQM |
| PCB-143 (C134) | 35:55 | 218 | 1.24 | 0.8518 | 0.0719 | 0.0548 | 0.0331 | 0.0331 | | RQM |
| PCB-139 | 36:13 | | | | | | 0.0282 | 0.0282 | | |
| PCB-140 (C139) | 36:13 | | | | | | 0.0282 | 0.0282 | | |
| PCB-131 | 36:25 | | | | | | 0.0329 | 0.0329 | | |
| PCB-142 | 36:34 | | | | | | 0.0328 | 0.0328 | | |
| PCB-132 | 36:53 | 783 | 1.18 | 0.8801 | 0.1905 | 0.1905 | 0.0320 | 0.0320 | | M |
| PCB-133 | 37:23 | | | | | | 0.0311 | 0.0311 | | |
| PCB-165 | 37:47 | | | | | | 0.0252 | 0.0252 | | |
| PCB-146 | 38:04 | 393 | 1.24 | 1.0084 | 0.0985 | 0.0835 | 0.0280 | 0.0280 | | RQ |
| PCB-161 | 38:10 | | | | | | 0.0211 | 0.0211 | | |
| PCB-153 | 38:38 | 2611 | 1.24 | 1.2207 | 0.5014 | 0.4580 | 0.0231 | 0.0231 | | RQ |
| PCB-168 (C153) | 38:38 | 2611 | 1.24 | 1.2207 | 0.5014 | 0.4580 | 0.0231 | 0.0231 | | RQ |
| PCB-141 | 38:50 | 552 | 1.27 | 0.9608 | 0.1230 | 0.1230 | 0.0294 | 0.0294 | | |
| PCB-130 | 39:16 | 214 | 1.35 | 0.8274 | 0.0554 | 0.0554 | 0.0341 | 0.0341 | | |
| PCB-137 | 39:28 | | | | | | 0.0267 | 0.0267 | | |
| PCB-164 | 39:35 | | | | | | 0.0225 | 0.0225 | | |
| PCB-129 | 39:54 | 2819 | 1.21 | 1.0840 | 0.5569 | 0.5569 | 0.0260 | 0.0260 | | |
| PCB-138 (C129) | 39:54 | 2819 | 1.21 | 1.0840 | 0.5569 | 0.5569 | 0.0260 | 0.0260 | | |
| PCB-160 (C129) | 39:54 | 2819 | 1.21 | 1.0840 | 0.5569 | 0.5569 | 0.0260 | 0.0260 | | |
| PCB-163 (C129) | 39:54 | 2819 | 1.21 | 1.0840 | 0.5569 | 0.5569 | 0.0260 | 0.0260 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:18 | 335 | 1.24 | 1.3862 | 0.0619 | 0.0518 | 0.0203 | 0.0203 | | RQ |
| PCB-128 | 41:07 | 458 | 1.40 | 1.1165 | 0.0878 | 0.0878 | 0.0253 | 0.0253 | | |
| PCB-166 (C128) | 41:07 | 458 | 1.40 | 1.1165 | 0.0878 | 0.0878 | 0.0253 | 0.0253 | | |
| PCB-159 | 42:08 | | | | | | 0.0214 | 0.0214 | | |
| PCB-162 | 42:25 | | | | | | 0.0207 | 0.0207 | | |
| PCB-167 | 42:54 | | | | | | 0.0171 | 0.0171 | | |
| PCB-156 | 44:01 | 408 | 1.24 | 1.2759 | 0.0775 | 0.0673 | 0.0261 | 0.0261 | | RQ |
| PCB-157 (C156) | 44:01 | 408 | 1.24 | 1.2759 | 0.0775 | 0.0673 | 0.0261 | 0.0261 | | RQ |
| PCB-169 | 47:17 | | | | | | 0.0205 | 0.0205 | | |
| S Total Heptachlorobiphen | | | | | 2.203 | 1.972 | 0.0381 | 0.0381 | | RQ |
| D PCB-188L | 37:16 | 342152 | 1.08 | 1.3162 | 81.2 | 81.2 | 0.0965 | 0.0965 | 81.22 | |
| $ PCB-178L | 40:20 | 265884 | 1.10 | 0.9222 | 90.1 | 90.1 | 0.1377 | 0.1377 | 90.08 | |
| * PCB-180L | 45:25 | 320063 | 1.12 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:41 | 209547 | 1.13 | 0.8357 | 78.3 | 78.3 | 0.1519 | 0.1519 | 78.34 | |
| D PCB-189L | 49:48 | 576295 | 1.03 | 1.4666 | 91.6 | 91.6 | 1.010 | 1.010 | 91.57 | |
| PCB-188 | 37:18 | | | | | | 0.0286 | 0.0286 | | |
| PCB-179 | 37:37 | 500 | 1.16 | 1.4149 | 0.1281 | 0.1281 | 0.0315 | 0.0315 | | |
| PCB-184 | 38:10 | | | | | | 0.0314 | 0.0314 | | |
| PCB-176 | 38:30 | | | | | | 0.0293 | 0.0293 | | |
| PCB-186 | 38:58 | | | | | | 0.0311 | 0.0311 | | |
| PCB-178 | 40:21 | | | | | | 0.0436 | 0.0436 | | |
| PCB-175 | 41:00 | | | | | | 0.0417 | 0.0417 | | |
| PCB-187 | 41:15 | 923 | 0.93 | 1.1106 | 0.3013 | 0.3013 | 0.0402 | 0.0402 | | |
| PCB-182 | 41:28 | | | | | | 0.0388 | 0.0388 | | |
| PCB-183 | 41:51 | 586 | 1.05 | 1.1368 | 0.2411 | 0.1869 | 0.0392 | 0.0392 | | RQ |
| PCB-185 (C183) | 41:51 | 586 | 1.05 | 1.1368 | 0.2411 | 0.1869 | 0.0392 | 0.0392 | | RQ |
| PCB-174 | 42:08 | 681 | 1.05 | 0.9547 | 0.3106 | 0.2586 | 0.0467 | 0.0467 | | RQ |
| PCB-177 | 42:32 | 552 | 1.05 | 0.9426 | 0.2385 | 0.2123 | 0.0473 | 0.0473 | | RQ |
| PCB-181 | 42:56 | | | | | | 0.0403 | 0.0403 | | |
| PCB-171 | 43:10 | 371 | 1.03 | 0.9603 | 0.1400 | 0.1400 | 0.0464 | 0.0464 | | |
| PCB-173 (C171) | 43:10 | 371 | 1.03 | 0.9603 | 0.1400 | 0.1400 | 0.0464 | 0.0464 | | |
| PCB-172 | 44:48 | | | | | | 0.0450 | 0.0450 | | |
| PCB-192 | 45:04 | | | | | | 0.0346 | 0.0346 | | |
| PCB-180 | 45:27 | 1541 | 1.05 | 1.2286 | 0.5099 | 0.4547 | 0.0363 | 0.0363 | | RQ |
| PCB-193 (C180) | 45:27 | 1541 | 1.05 | 1.2286 | 0.5099 | 0.4547 | 0.0363 | 0.0363 | | RQ |
| PCB-191 | 45:48 | | | | | | 0.0322 | 0.0322 | | |
| PCB-170 | 46:41 | 771 | 1.05 | 1.2700 | 0.3340 | 0.2897 | 0.0466 | 0.0466 | | RQM |
| PCB-190 | 47:14 | | | | | | 0.0324 | 0.0324 | | |
| PCB-189 | 49:49 | | | | | | 0.0367 | 0.0367 | | |
| S Total Octachlorobipheny | | | | | 0.4229 | 0.3664 | 0.0331 | 0.0331 | | RQ |
| D PCB-202L | 42:38 | 294668 | 0.90 | 1.0055 | 91.6 | 91.6 | 0.0789 | 0.0789 | 91.56 | |
| * PCB-194L | 51:55 | 429137 | 0.93 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:23 | 448154 | 0.89 | 1.2867 | 81.2 | 81.2 | 0.5059 | 0.5059 | 81.16 | |
| PCB-202 | 42:43 | 142 | 0.89 | 1.0531 | 0.0570 | 0.0458 | 0.0273 | 0.0273 | | RQM |
| PCB-201 | 43:36 | | | | | | 0.0243 | 0.0243 | | |
| PCB-204 | 44:16 | | | | | | 0.0261 | 0.0261 | | |
| PCB-197 | 44:30 | | | | | | 0.0239 | 0.0239 | | |
| PCB-200 | 44:36 | | | | | | 0.0256 | 0.0256 | | |
| PCB-198 | 47:27 | 275 | 0.89 | 0.8183 | 0.1431 | 0.1141 | 0.0352 | 0.0352 | | RQ |
| PCB-199 (C198) | 47:27 | 275 | 0.89 | 0.8183 | 0.1431 | 0.1141 | 0.0352 | 0.0352 | | RQ |
| PCB-196 | 48:04 | | | | | | 0.0329 | 0.0329 | | |
| PCB-203 | 48:15 | 230 | 0.89 | 0.9219 | 0.1009 | 0.0847 | 0.0312 | 0.0312 | | RQM |
| PCB-195 | 49:35 | | | | | | 0.0557 | 0.0557 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:55 | 507 | 1.00 | 0.9282 | 0.1219 | 0.1219 | 0.0470 | 0.0470 | | M |
| PCB-205 | 52:25 | | | | | | 0.0354 | 0.0354 | | |
| S Total Nonachlorobipheny | | | | | | | 0.1240 | 0.1240 | | |
| D PCB-208L | 49:20 | 395772 | 0.81 | 1.1383 | 81.0 | 81.0 | 0.6244 | 0.6244 | 81.02 | |
| D PCB-206L | 54:09 | 288608 | 0.79 | 0.8938 | 75.2 | 75.2 | 0.7951 | 0.7951 | 75.24 | |
| PCB-208 | 49:22 | | | | | | 0.0931 | 0.0931 | | |
| PCB-207 | 50:18 | | | | | | 0.0893 | 0.0893 | | |
| PCB-206 | 54:10 | | | | | | 0.1240 | 0.1240 | | |
| D PCB-209L | 55:48 | 261514 | 0.70 | 0.9809 | 62.1 | 62.1 | 0.0999 | 0.0999 | 62.13 | |
| DCB Decachlorobiphenyl | 55:48 | 712 | 0.70 | 1.2455 | 0.2186 | 0.2186 | 0.0343 | 0.0343 | | |
| S Polychlorinated bipheny | | | | | 15.5 | 0.2186 | 0.0569 | 0.0569 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d
Lims ID: 580-88908-A-74-A
Client ID: 711-82719
Sample Type: Client
Inject. Date: 24-Sep-2019 17:59:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-009
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 21:51:19 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0328

First Level Reviewer: parslyt Date: 24-Sep-2019 21:51:19

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:43 | 11:44 | -2 | 0.727 | 368670 | 145553 | 83 | 207 | 1754 | | |
| 202.0766 | 11:43 | 11:44 | -2 | 0.727 | 114617 | 45493 | 390 | 975 | 117 | 3.22(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:53 | 13:53 | -2 | 0.862 | 387847 | 131925 | 83 | 207 | 1589 | | |
| 202.0766 | 13:53 | 13:53 | -2 | 0.862 | 127712 | 43246 | 390 | 975 | 111 | 3.04(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | M |
| 188.0393 | 11:44 | 11:44 | -2 | 1.001 | 673 | 235 | 16 | 40 | 15 | | |
| 190.0363 | 11:44 | 11:44 | -2 | 1.001 | 199 | 67 | 10 | 25 | 7 | 3.38(2.66-3.60) | M |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:44 | | | | | | 16 | 40 | | | |
| 190.0363 | 13:44 | | | | | | 10 | 25 | | | |
| PCB-3 | | | | | | | | | | | RQ |
| 188.0393 | 13:54 | 13:54 | -2 | 1.001 | 894 | 243 | 16 | 40 | 15 | | |
| | Empc Correction | | | | 585 | 219 | 16 | 40 | 14 | | |
| 190.0363 | 13:54 | 13:54 | -2 | 1.001 | 187 | 70 | 10 | 25 | 7 | 4.78(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:08 | 14:08 | -2 | 0.877 | 126760 | 40892 | 62 | 155 | 660 | | |
| 236.0376 | 14:08 | 14:08 | -2 | 0.877 | 75406 | 24889 | 23 | 57 | 1082 | 1.68(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:07 | 16:08 | -2 | | 243455 | 73302 | 62 | 155 | 1182 | | |
| 236.0376 | 16:07 | 16:08 | -2 | | 149854 | 46149 | 23 | 57 | 2006 | 1.62(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:02 | 19:59 | 0 | 1.244 | 221008 | 53903 | 62 | 155 | 869 | | |
| 236.0376 | 20:02 | 19:59 | 0 | 1.244 | 134202 | 33578 | 23 | 57 | 1460 | 1.65(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:09 | | | | | | 25 | 62 | | | |
| 223.9974 | 14:09 | | | | | | 8 | 20 | | | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:19 | | | | | | 25 | 62 | | | |
| 223.9974 | 14:19 | | | | | | 8 | 20 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:06 | | | | | | 25 | 62 | | | |
| 223.9974 | 16:06 | | | | | | 8 | 20 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:16 | | | | | | 25 | 62 | | | |
| 223.9974 | 16:16 | | | | | | 8 | 20 | | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:31 | | | | | | 25 | 62 | | | |
| 223.9974 | 16:31 | | | | | | 8 | 20 | | | |
| PCB-5 | | | | | | | | | | | RQM |
| 222.0003 | 16:51 | 16:51 | 0 | 1.192 | 624 | 134 | 25 | 62 | 5 | | M |
| | Empc Correction | | | | 310 | 134 | 25 | 62 | 5 | | |
| 223.9974 | 16:50 | 16:51 | -2 | 1.191 | 199 | 86 | 8 | 20 | 11 | 3.14(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | RQ |
| 222.0003 | 16:58 | 16:56 | -2 | 1.200 | 844 | 191 | 25 | 62 | 8 | | |
| | Empc Correction | | | | 622 | 190 | 25 | 62 | 8 | | |
| 223.9974 | 16:58 | 16:56 | -1 | 1.201 | 399 | 122 | 8 | 20 | 15 | 2.12(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:36 | 18:36 | 0 | 0.929 | 630 | 86 | 25 | 62 | 3 | | |
| 223.9974 | 18:36 | 18:36 | 0 | 0.929 | 360 | 73 | 8 | 20 | 9 | 1.75(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:26 | 19:25 | -1 | 0.970 | 3468 | 806 | 25 | 62 | 32 | | |
| 223.9974 | 19:26 | 19:25 | -1 | 0.970 | 2190 | 547 | 8 | 20 | 68 | 1.58(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | RQ |
| 222.0003 | 19:45 | 19:44 | 0 | 0.986 | 1237 | 200 | 25 | 62 | 8 | | |
| | Empc Correction | | | | 628 | 112 | 25 | 62 | 4 | | |
| 223.9974 | 19:45 | 19:44 | 0 | 0.986 | 403 | 72 | 8 | 20 | 9 | 3.07(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | RQ |
| 222.0003 | 19:45 | 19:44 | 0 | 0.986 | 1237 | 200 | 25 | 62 | 8 | | |
| | Empc Correction | | | | 628 | 112 | 25 | 62 | 4 | | |
| 223.9974 | 19:45 | 19:44 | 0 | 0.986 | 403 | 72 | 8 | 20 | 9 | 3.07(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | RQ |
| 222.0003 | 20:02 | 20:02 | -2 | 1.000 | 608 | 185 | 25 | 62 | 7 | | |
| 223.9974 | 20:03 | 20:02 | 0 | 1.001 | 472 | 88 | 8 | 20 | 11 | 1.29(1.33-1.79) | |
| | Empc Correction | | | | 389 | 118 | 8 | 20 | 15 | | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:15 | 17:14 | -1 | 0.841 | 58817 | 17181 | 286 | 715 | 60 | | |
| 269.9986 | 17:15 | 17:14 | -1 | 0.841 | 53148 | 15626 | 70 | 175 | 223 | 1.11(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:30 | 20:31 | -1 | | 111160 | 28064 | 286 | 715 | 98 | | |
| 269.9986 | 20:30 | 20:31 | -1 | | 102589 | 26138 | 70 | 175 | 373 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:46 | 22:47 | 0 | | 431618 | 103434 | 706 | 1765 | 147 | | |
| 269.9986 | 22:46 | 22:47 | 0 | | 411293 | 98102 | 127 | 317 | 772 | 1.05(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:02 | 0 | 1.013 | 387632 | 94094 | 706 | 1765 | 133 | | |
| 269.9986 | 23:04 | 23:02 | 0 | 1.013 | 362883 | 86636 | 127 | 317 | 682 | 1.07(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:02 | 0 | 1.189 | 372168 | 76453 | 706 | 1765 | 108 | | |
| 269.9986 | 27:04 | 27:02 | 0 | 1.189 | 333410 | 70887 | 127 | 317 | 558 | 1.12(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:16 | | | | | | 6 | 15 | | | |
| 257.9584 | 17:16 | | | | | | 5 | 12 | | | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:07 | 19:06 | -1 | 1.108 | 425 | 98 | 6 | 15 | 16 | | |
| 257.9584 | 19:08 | 19:06 | 0 | 1.110 | 364 | 69 | 5 | 12 | 14 | 1.17(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:07 | 19:06 | -1 | 1.108 | 425 | 98 | 6 | 15 | 16 | | |
| 257.9584 | 19:08 | 19:06 | 0 | 1.110 | 364 | 69 | 5 | 12 | 14 | 1.17(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | RQ |
| 255.9613 | 19:34 | 19:32 | 0 | 1.135 | 161 | 47 | 6 | 15 | 8 | | |
| 257.9584 | 19:34 | 19:32 | 0 | 1.134 | 212 | 50 | 5 | 12 | 10 | 0.76(0.88-1.20) | |
| | Empc Correction | | | | 154 | 45 | 5 | 12 | 9 | | |
| PCB-27 | | | | | | | | | | | RQ |
| 255.9613 | 19:47 | 19:45 | 0 | 1.147 | 129 | 34 | 6 | 15 | 6 | | |
| 257.9584 | 19:46 | 19:45 | 0 | 1.146 | 197 | 47 | 5 | 12 | 9 | 0.65(0.88-1.20) | |
| | Empc Correction | | | | 124 | 32 | 5 | 12 | 6 | | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:53 | | | | | | 6 | 15 | | | |
| 257.9584 | 19:53 | | | | | | 5 | 12 | | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:00 | | | | | | 6 | 15 | | | |
| 257.9584 | 20:00 | | | | | | 5 | 12 | | | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:32 | 20:30 | -1 | 1.190 | 307 | 81 | 6 | 15 | 14 | | |
| 257.9584 | 20:32 | 20:30 | 0 | 1.191 | 307 | 69 | 5 | 12 | 14 | 1.00(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:46 | | | | | | 10 | 25 | | | |
| 257.9584 | 21:46 | | | | | | 20 | 50 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:55 | | | | | | 10 | 25 | | | |
| 257.9584 | 21:55 | | | | | | 20 | 50 | | | |
| PCB-26 | | | | | | | | | | | RQ |
| 255.9613 | 22:15 | 22:14 | -1 | 1.290 | 951 | 179 | 10 | 25 | 18 | | |
| | Empc Correction | | | | 681 | 132 | 10 | 25 | 13 | | |
| 257.9584 | 22:15 | 22:14 | -1 | 1.290 | 655 | 127 | 20 | 50 | 6 | 1.45(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-29 (C26) | | | | | | | | | | | RQ |
| 255.9613 | 22:15 | 22:14 | -1 | 1.290 | 951 | 179 | 10 | 25 | 18 | | |
| | Empc Correction | | | | 681 | 132 | 10 | 25 | 13 | | |
| 257.9584 | 22:15 | 22:14 | -1 | 1.290 | 655 | 127 | 20 | 50 | 6 | 1.45(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | RQ |
| 255.9613 | 22:29 | 22:29 | -1 | 0.830 | 498 | 87 | 10 | 25 | 9 | | |
| | Empc Correction | | | | 218 | 59 | 10 | 25 | 6 | | |
| 257.9584 | 22:29 | 22:29 | -1 | 0.830 | 210 | 57 | 20 | 50 | 3 | 2.37(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:47 | 22:47 | -1 | 0.842 | 1133 | 290 | 10 | 25 | 29 | | |
| 257.9584 | 22:47 | 22:47 | -1 | 0.842 | 1123 | 305 | 20 | 50 | 15 | 1.01(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:05 | -2 | 0.852 | 1565 | 352 | 10 | 25 | 35 | | |
| 257.9584 | 23:05 | 23:05 | -1 | 0.853 | 1522 | 304 | 20 | 50 | 15 | 1.03(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:05 | -2 | 0.852 | 1565 | 352 | 10 | 25 | 35 | | |
| 257.9584 | 23:05 | 23:05 | -1 | 0.853 | 1522 | 304 | 20 | 50 | 15 | 1.03(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | M |
| 255.9613 | 23:20 | 23:18 | 0 | 0.862 | 1321 | 217 | 10 | 25 | 22 | | M |
| 257.9584 | 23:18 | 23:18 | -2 | 0.861 | 1213 | 175 | 20 | 50 | 9 | 1.09(0.88-1.20) | M |
| PCB-33 (C21) | | | | | | | | | | | M |
| 255.9613 | 23:20 | 23:18 | 0 | 0.862 | 1321 | 217 | 10 | 25 | 22 | | M |
| 257.9584 | 23:18 | 23:18 | -2 | 0.861 | 1213 | 175 | 20 | 50 | 9 | 1.09(0.88-1.20) | M |
| PCB-22 | | | | | | | | | | | RQM |
| 255.9613 | 23:43 | 23:43 | 0 | 0.876 | 657 | 171 | 10 | 25 | 17 | | |
| 257.9584 | 23:43 | 23:43 | 0 | 0.876 | 806 | 174 | 20 | 50 | 9 | 0.82(0.88-1.20) | M |
| | Empc Correction | | | | 631 | 164 | 20 | 50 | 8 | | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:16 | | | | | | 10 | 25 | | | |
| 257.9584 | 25:16 | | | | | | 20 | 50 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:37 | | | | | | 10 | 25 | | | |
| 257.9584 | 25:37 | | | | | | 20 | 50 | | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:12 | | | | | | 10 | 25 | | | |
| 257.9584 | 26:12 | | | | | | 20 | 50 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:40 | | | | | | 10 | 25 | | | |
| 257.9584 | 26:40 | | | | | | 20 | 50 | | | |
| PCB-37 | | | | | | | | | | | RQ |
| 255.9613 | 27:04 | 27:04 | -1 | 1.000 | 510 | 93 | 10 | 25 | 9 | | |
| | Empc Correction | | | | 377 | 85 | 10 | 25 | 9 | | |
| 257.9584 | 27:04 | 27:04 | -1 | 1.000 | 363 | 82 | 20 | 50 | 4 | 1.40(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:20 | 20:20 | -1 | 0.817 | 63931 | 16181 | 15 | 37 | 1079 | | |
| 303.9597 | 20:20 | 20:20 | -1 | 0.817 | 80157 | 20984 | 16 | 40 | 1312 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:54 | -1 | | 203545 | 47165 | 59 | 147 | 799 | | |
| 303.9597 | 24:54 | 24:54 | -1 | | 259236 | 61448 | 49 | 122 | 1254 | 0.79(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:49 | 33:48 | 0 | 1.359 | 219414 | 46353 | 59 | 147 | 786 | | |
| 303.9597 | 33:49 | 33:48 | 0 | 1.359 | 274977 | 57408 | 49 | 122 | 1172 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:23 | 34:22 | 0 | 1.381 | 231699 | 47613 | 59 | 147 | 807 | | |
| 303.9597 | 34:23 | 34:22 | 0 | 1.381 | 281925 | 56090 | 49 | 122 | 1145 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:22 | | | | | | 3 | 7 | | | |
| 291.9194 | 20:22 | | | | | | 7 | 17 | | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:30 | -2 | 1.107 | 359 | 60 | 8 | 20 | 8 | | |
| 291.9194 | 22:31 | 22:30 | -2 | 1.107 | 549 | 137 | 17 | 42 | 8 | 0.65(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:30 | -2 | 1.107 | 359 | 60 | 8 | 20 | 8 | | |
| 291.9194 | 22:31 | 22:30 | -2 | 1.107 | 549 | 137 | 17 | 42 | 8 | 0.65(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | |
| 289.9224 | 23:13 | | | | | | 8 | 20 | | | |
| 291.9194 | 23:13 | | | | | | 17 | 42 | | | |
| PCB-51 (C45) | | | | | | | | | | | |
| 289.9224 | 23:13 | | | | | | 8 | 20 | | | |
| 291.9194 | 23:13 | | | | | | 17 | 42 | | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:29 | | | | | | 8 | 20 | | | |
| 291.9194 | 23:29 | | | | | | 17 | 42 | | | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:55 | 24:54 | -1 | 1.226 | 851 | 195 | 8 | 20 | 24 | | |
| 291.9194 | 24:55 | 24:54 | -1 | 1.226 | 1104 | 266 | 17 | 42 | 16 | 0.77(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:09 | | | | | | 8 | 20 | | | |
| 291.9194 | 25:09 | | | | | | 17 | 42 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:09 | | | | | | 8 | 20 | | | |
| 291.9194 | 25:09 | | | | | | 17 | 42 | | | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 2 | 1.250 | 888 | 173 | 8 | 20 | 22 | | |
| 291.9194 | 25:23 | 25:24 | 0 | 1.249 | 1024 | 194 | 17 | 42 | 11 | 0.87(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 2 | 1.250 | 888 | 173 | 8 | 20 | 22 | | |
| 291.9194 | 25:23 | 25:24 | 0 | 1.249 | 1024 | 194 | 17 | 42 | 11 | 0.87(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:39 | | | | | | 8 | 20 | | | |
| 291.9194 | 25:39 | | | | | | 17 | 42 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-44 | | | | | | | | | | | M |
| 289.9224 | 25:58 | 25:58 | 1 | 1.277 | 2070 | 338 | 8 | 20 | 42 | | M |
| 291.9194 | 25:58 | 25:58 | 1 | 1.277 | 2570 | 457 | 17 | 42 | 27 | 0.81(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | M |
| 289.9224 | 25:58 | 25:58 | 1 | 1.277 | 2070 | 338 | 8 | 20 | 42 | | M |
| 291.9194 | 25:58 | 25:58 | 1 | 1.277 | 2570 | 457 | 17 | 42 | 27 | 0.81(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | M |
| 289.9224 | 25:58 | 25:58 | 1 | 1.277 | 2070 | 338 | 8 | 20 | 42 | | M |
| 291.9194 | 25:58 | 25:58 | 1 | 1.277 | 2570 | 457 | 17 | 42 | 27 | 0.81(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:11 | | | | | | 8 | 20 | | | |
| 291.9194 | 26:11 | | | | | | 17 | 42 | | | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:11 | | | | | | 8 | 20 | | | |
| 291.9194 | 26:11 | | | | | | 17 | 42 | | | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:11 | | | | | | 8 | 20 | | | |
| 291.9194 | 26:11 | | | | | | 17 | 42 | | | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:24 | | | | | | 8 | 20 | | | |
| 291.9194 | 26:24 | | | | | | 17 | 42 | | | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:55 | | | | | | 8 | 20 | | | |
| 291.9194 | 26:55 | | | | | | 17 | 42 | | | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:55 | | | | | | 8 | 20 | | | |
| 291.9194 | 26:55 | | | | | | 17 | 42 | | | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:55 | | | | | | 8 | 20 | | | |
| 291.9194 | 26:55 | | | | | | 17 | 42 | | | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:09 | 27:06 | -1 | 1.336 | 490 | 111 | 8 | 20 | 14 | | |
| 291.9194 | 27:09 | 27:06 | -1 | 1.336 | 633 | 126 | 17 | 42 | 7 | 0.77(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:00 | | | | | | 8 | 20 | | | |
| 291.9194 | 28:00 | | | | | | 17 | 42 | | | |
| PCB-68 | | | | | | | | | | | RQM |
| 289.9224 | 28:18 | 28:16 | 1 | 0.837 | 389 | 86 | 8 | 20 | 11 | | M |
| | Empc Correction | | | | 311 | 86 | 8 | 20 | 11 | | |
| 291.9194 | 28:17 | 28:16 | 0 | 0.836 | 405 | 112 | 17 | 42 | 7 | 0.96(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:42 | | | | | | 8 | 20 | | | |
| 291.9194 | 28:42 | | | | | | 17 | 42 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:57 | | | | | | 8 | 20 | | | |
| 291.9194 | 28:57 | | | | | | 17 | 42 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:06 | | | | | | 8 | 20 | | | |
| 291.9194 | 29:06 | | | | | | 17 | 42 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:23 | | | | | | 8 | 20 | | | |
| 291.9194 | 29:23 | | | | | | 17 | 42 | | | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | -1 | 0.878 | 1482 | 255 | 8 | 20 | 32 | | |
| 291.9194 | 29:41 | 29:42 | -2 | 0.878 | 1732 | 226 | 17 | 42 | 13 | 0.86(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | -1 | 0.878 | 1482 | 255 | 8 | 20 | 32 | | |
| 291.9194 | 29:41 | 29:42 | -2 | 0.878 | 1732 | 226 | 17 | 42 | 13 | 0.86(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | -1 | 0.878 | 1482 | 255 | 8 | 20 | 32 | | |
| 291.9194 | 29:41 | 29:42 | -2 | 0.878 | 1732 | 226 | 17 | 42 | 13 | 0.86(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | -1 | 0.878 | 1482 | 255 | 8 | 20 | 32 | | |
| 291.9194 | 29:41 | 29:42 | -2 | 0.878 | 1732 | 226 | 17 | 42 | 13 | 0.86(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:03 | 30:01 | 0 | 0.888 | 700 | 124 | 8 | 20 | 16 | | |
| 291.9194 | 30:02 | 30:01 | -1 | 0.888 | 805 | 189 | 17 | 42 | 11 | 0.87(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:11 | | | | | | 8 | 20 | | | |
| 291.9194 | 30:11 | | | | | | 17 | 42 | | | |
| PCB-56 | | | | | | | | | | | RQ |
| 289.9224 | 30:42 | 30:41 | 0 | 0.908 | 305 | 70 | 8 | 20 | 9 | | |
| 291.9194 | 30:42 | 30:41 | 0 | 0.908 | 614 | 100 | 17 | 42 | 6 | 0.50(0.65-0.89) | |
| | Empc Correction | | | | 396 | 90 | 17 | 42 | 5 | | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:54 | | | | | | 8 | 20 | | | |
| 291.9194 | 30:54 | | | | | | 17 | 42 | | | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:19 | | | | | | 8 | 20 | | | |
| 291.9194 | 31:19 | | | | | | 17 | 42 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:51 | | | | | | 8 | 20 | | | |
| 291.9194 | 32:51 | | | | | | 17 | 42 | | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:25 | | | | | | 8 | 20 | | | |
| 291.9194 | 33:25 | | | | | | 17 | 42 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:51 | | | | | | 8 | 20 | | | |
| 291.9194 | 33:51 | | | | | | 17 | 42 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:23 | | | | | | 8 | 20 | | | |
| 291.9194 | 34:23 | | | | | | 17 | 42 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:50 | -1 | 0.814 | 188733 | 43145 | 35 | 87 | 1233 | | |
| 339.9178 | 25:51 | 25:50 | -1 | 0.814 | 117108 | 26404 | 14 | 35 | 1886 | 1.61(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:46 | 31:46 | 0 | | 194285 | 40652 | 35 | 87 | 1161 | | |
| 339.9178 | 31:46 | 31:46 | 0 | | 117557 | 26474 | 14 | 35 | 1891 | 1.65(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:27 | 34:25 | 0 | 1.085 | 209477 | 43771 | 35 | 87 | 1251 | | |
| 339.9178 | 34:27 | 34:25 | 0 | 1.085 | 129739 | 27840 | 14 | 35 | 1989 | 1.61(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:24 | 36:23 | -1 | 1.146 | 320189 | 65579 | 174 | 435 | 377 | | |
| 339.9178 | 36:24 | 36:23 | -1 | 1.146 | 202299 | 41684 | 106 | 265 | 393 | 1.58(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:44 | 36:43 | -1 | 1.157 | 335633 | 68566 | 174 | 435 | 394 | | |
| 339.9178 | 36:44 | 36:43 | -1 | 1.157 | 216285 | 43016 | 106 | 265 | 406 | 1.55(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:15 | 37:14 | -1 | 1.173 | 326011 | 67910 | 174 | 435 | 390 | | |
| 339.9178 | 37:15 | 37:14 | -1 | 1.173 | 199053 | 40750 | 106 | 265 | 384 | 1.64(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:54 | 37:53 | -1 | 1.193 | 322540 | 64037 | 174 | 435 | 368 | | |
| 339.9178 | 37:54 | 37:53 | 0 | 1.194 | 202756 | 40590 | 106 | 265 | 383 | 1.59(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:23 | 39:23 | 0 | | 372347 | 76326 | 174 | 435 | 439 | | |
| 339.9178 | 39:23 | 39:23 | 0 | | 237597 | 47620 | 106 | 265 | 449 | 1.57(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:59 | 40:58 | 0 | 1.291 | 318819 | 62956 | 174 | 435 | 362 | | |
| 339.9178 | 40:59 | 40:58 | 0 | 1.291 | 201236 | 39852 | 106 | 265 | 376 | 1.58(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:52 | | | | | | 17 | 42 | | | |
| 327.8775 | 25:52 | | | | | | 14 | 35 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | | | | | | 17 | 42 | | | |
| 327.8775 | 26:14 | | | | | | 14 | 35 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:11 | | | | | | 17 | 42 | | | |
| 327.8775 | 28:11 | | | | | | 14 | 35 | | | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:24 | | | | | | 17 | 42 | | | |
| 327.8775 | 28:24 | | | | | | 14 | 35 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:51 | 28:49 | 0 | 1.116 | 931 | 172 | 17 | 42 | 10 | | |
| 327.8775 | 28:51 | 28:49 | 0 | 1.116 | 672 | 131 | 14 | 35 | 9 | 1.39(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:04 | | | | | | 17 | 42 | | | |
| 327.8775 | 29:04 | | | | | | 14 | 35 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:04 | | | | | | 17 | 42 | | | |
| 327.8775 | 29:04 | | | | | | 14 | 35 | | | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:12 | | | | | | 17 | 42 | | | |
| 327.8775 | 29:12 | | | | | | 14 | 35 | | | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:12 | | | | | | 17 | 42 | | | |
| 327.8775 | 29:12 | | | | | | 14 | 35 | | | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:42 | | | | | | 17 | 42 | | | |
| 327.8775 | 29:42 | | | | | | 14 | 35 | | | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:42 | | | | | | 17 | 42 | | | |
| 327.8775 | 29:42 | | | | | | 14 | 35 | | | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:55 | | | | | | 17 | 42 | | | |
| 327.8775 | 29:55 | | | | | | 14 | 35 | | | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:24 | | | | | | 17 | 42 | | | |
| 327.8775 | 30:24 | | | | | | 14 | 35 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:49 | | | | | | 17 | 42 | | | |
| 327.8775 | 30:49 | | | | | | 14 | 35 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:12 | | | | | | 17 | 42 | | | |
| 327.8775 | 31:12 | | | | | | 14 | 35 | | | |
| PCB-90 | | | | | | | | | | | RQ |
| 325.8804 | 31:46 | 31:44 | 0 | 1.229 | 1114 | 266 | 17 | 42 | 16 | | |
| 327.8775 | 31:47 | 31:44 | 1 | 1.230 | 882 | 142 | 14 | 35 | 10 | 1.26(1.32-1.78) | |
| | Empc Correction | | | | 718 | 171 | 14 | 35 | 12 | | |
| PCB-101 (C90) | | | | | | | | | | | RQ |
| 325.8804 | 31:46 | 31:44 | 0 | 1.229 | 1114 | 266 | 17 | 42 | 16 | | |
| 327.8775 | 31:47 | 31:44 | 1 | 1.230 | 882 | 142 | 14 | 35 | 10 | 1.26(1.32-1.78) | |
| | Empc Correction | | | | 718 | 171 | 14 | 35 | 12 | | |
| PCB-113 (C90) | | | | | | | | | | | RQ |
| 325.8804 | 31:46 | 31:44 | 0 | 1.229 | 1114 | 266 | 17 | 42 | 16 | | |
| 327.8775 | 31:47 | 31:44 | 1 | 1.230 | 882 | 142 | 14 | 35 | 10 | 1.26(1.32-1.78) | |
| | Empc Correction | | | | 718 | 171 | 14 | 35 | 12 | | |
| PCB-83 | | | | | | | | | | | RQM |
| 325.8804 | 32:21 | 32:22 | -1 | 1.252 | 595 | 133 | 17 | 42 | 8 | | M |
| 327.8775 | 32:22 | 32:22 | 0 | 1.252 | 553 | 84 | 14 | 35 | 6 | 1.08(1.32-1.78) | M |
| | Empc Correction | | | | 383 | 85 | 14 | 35 | 6 | | |
| PCB-99 (C83) | | | | | | | | | | | RQM |
| 325.8804 | 32:21 | 32:22 | -1 | 1.252 | 595 | 133 | 17 | 42 | 8 | | M |
| 327.8775 | 32:22 | 32:22 | 0 | 1.252 | 553 | 84 | 14 | 35 | 6 | 1.08(1.32-1.78) | M |
| | Empc Correction | | | | 383 | 85 | 14 | 35 | 6 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | | | | | | 17 | 42 | | | |
| 327.8775 | 32:29 | | | | | | 14 | 35 | | | |
| PCB-86 | | | | | | | | | | | |
| 325.8804 | 32:51 | | | | | | 17 | 42 | | | |
| 327.8775 | 32:51 | | | | | | 14 | 35 | | | |
| PCB-87 (C86) | | | | | | | | | | | |
| 325.8804 | 32:51 | | | | | | 17 | 42 | | | |
| 327.8775 | 32:51 | | | | | | 14 | 35 | | | |
| PCB-97 (C86) | | | | | | | | | | | |
| 325.8804 | 32:51 | | | | | | 17 | 42 | | | |
| 327.8775 | 32:51 | | | | | | 14 | 35 | | | |
| PCB-109 (C86) | | | | | | | | | | | |
| 325.8804 | 32:51 | | | | | | 17 | 42 | | | |
| 327.8775 | 32:51 | | | | | | 14 | 35 | | | |
| PCB-119 (C86) | | | | | | | | | | | |
| 325.8804 | 32:51 | | | | | | 17 | 42 | | | |
| 327.8775 | 32:51 | | | | | | 14 | 35 | | | |
| PCB-125 (C86) | | | | | | | | | | | |
| 325.8804 | 32:51 | | | | | | 17 | 42 | | | |
| 327.8775 | 32:51 | | | | | | 14 | 35 | | | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:35 | | | | | | 17 | 42 | | | |
| 327.8775 | 33:35 | | | | | | 14 | 35 | | | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:35 | | | | | | 17 | 42 | | | |
| 327.8775 | 33:35 | | | | | | 14 | 35 | | | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:35 | | | | | | 17 | 42 | | | |
| 327.8775 | 33:35 | | | | | | 14 | 35 | | | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:44 | | | | | | 17 | 42 | | | |
| 327.8775 | 33:44 | | | | | | 14 | 35 | | | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:44 | | | | | | 17 | 42 | | | |
| 327.8775 | 33:44 | | | | | | 14 | 35 | | | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:04 | | | | | | 17 | 42 | | | |
| 327.8775 | 34:04 | | | | | | 14 | 35 | | | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | | | | | | 17 | 42 | | | |
| 327.8775 | 34:28 | | | | | | 14 | 35 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:55 | | | | | | 17 | 42 | | | |
| 327.8775 | 34:55 | | | | | | 14 | 35 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:04 | | | | | | 24 | 60 | | | |
| 327.8775 | 36:04 | | | | | | 15 | 37 | | | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:04 | | | | | | 24 | 60 | | | |
| 327.8775 | 36:04 | | | | | | 15 | 37 | | | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:18 | | | | | | 24 | 60 | | | |
| 327.8775 | 36:18 | | | | | | 15 | 37 | | | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:25 | | | | | | 24 | 60 | | | |
| 327.8775 | 36:25 | | | | | | 15 | 37 | | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:32 | | | | | | 24 | 60 | | | |
| 327.8775 | 36:32 | | | | | | 15 | 37 | | | |
| PCB-118 | | | | | | | | | | | M |
| 325.8804 | 36:45 | 36:44 | -1 | 1.000 | 1300 | 226 | 24 | 60 | 9 | | M |
| 327.8775 | 36:45 | 36:44 | 0 | 1.001 | 898 | 165 | 15 | 37 | 11 | 1.45(1.32-1.78) | M |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:06 | | | | | | 24 | 60 | | | |
| 327.8775 | 37:06 | | | | | | 15 | 37 | | | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:16 | | | | | | 24 | 60 | | | |
| 327.8775 | 37:16 | | | | | | 15 | 37 | | | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:55 | 37:55 | -1 | 1.001 | 604 | 112 | 24 | 60 | 5 | | |
| 327.8775 | 37:55 | 37:55 | -1 | 1.001 | 440 | 85 | 15 | 37 | 6 | 1.37(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:24 | | | | | | 24 | 60 | | | |
| 327.8775 | 39:24 | | | | | | 15 | 37 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:01 | | | | | | 24 | 60 | | | |
| 327.8775 | 41:01 | | | | | | 15 | 37 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:33 | 31:32 | 0 | 0.791 | 168123 | 34814 | 10 | 25 | 3481 | | |
| 373.8788 | 31:33 | 31:32 | 0 | 0.791 | 133137 | 27693 | 16 | 40 | 1731 | 1.26(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:51 | 39:51 | 0 | | 235804 | 49050 | 72 | 180 | 681 | | |
| 373.8788 | 39:51 | 39:51 | 0 | | 190458 | 37523 | 49 | 122 | 766 | 1.24(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:52 | 42:51 | 0 | 1.076 | 269575 | 54475 | 72 | 180 | 757 | | |
| 373.8788 | 42:52 | 42:51 | 0 | 1.076 | 214117 | 41635 | 49 | 122 | 850 | 1.26(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:00 | 0 | 1.105 | 535235 | 74857 | 72 | 180 | 1040 | | |
| 373.8788 | 44:01 | 44:00 | 0 | 1.105 | 415459 | 57443 | 49 | 122 | 1172 | 1.29(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:00 | 0 | 1.105 | 535235 | 74857 | 72 | 180 | 1040 | | |
| 373.8788 | 44:01 | 44:00 | 0 | 1.105 | 415459 | 57443 | 49 | 122 | 1172 | 1.29(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:15 | 47:14 | 0 | 1.186 | 241783 | 46550 | 72 | 180 | 647 | | |
| 373.8788 | 47:15 | 47:14 | 0 | 1.186 | 191765 | 37055 | 49 | 122 | 756 | 1.26(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:33 | | | | | | 4 | 10 | | | |
| 361.8385 | 31:33 | | | | | | 4 | 10 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:46 | | | | | | 4 | 10 | | | |
| 361.8385 | 31:46 | | | | | | 4 | 10 | | | |
| PCB-150 | | | | | | | | | | | RQM |
| 359.8415 | 31:55 | 31:56 | -1 | 1.012 | 86 | 19 | 4 | 10 | 5 | | M |
| 361.8385 | 31:56 | 31:56 | 1 | 1.012 | 96 | 20 | 4 | 10 | 5 | 0.90(1.05-1.43) | M |
| | Empc Correction | | | | 69 | 15 | 4 | 10 | 4 | | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:18 | 32:14 | 2 | 1.024 | 254 | 35 | 4 | 10 | 9 | | |
| 361.8385 | 32:18 | 32:14 | 1 | 1.024 | 199 | 37 | 4 | 10 | 9 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:34 | | | | | | 4 | 10 | | | |
| 361.8385 | 32:34 | | | | | | 4 | 10 | | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:06 | | | | | | 4 | 10 | | | |
| 361.8385 | 34:06 | | | | | | 4 | 10 | | | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:39 | -2 | 1.098 | 393 | 56 | 4 | 10 | 14 | | |
| 361.8385 | 34:40 | 34:39 | 0 | 1.099 | 341 | 79 | 4 | 10 | 20 | 1.15(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:39 | 34:39 | -2 | 1.098 | 393 | 56 | 4 | 10 | 14 | | |
| 361.8385 | 34:40 | 34:39 | 0 | 1.099 | 341 | 79 | 4 | 10 | 20 | 1.15(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | RQ |
| 359.8415 | 34:56 | 34:56 | -2 | 1.107 | 144 | 22 | 4 | 10 | 6 | | |
| | Empc Correction | | | | 95 | 21 | 4 | 10 | 5 | | |
| 361.8385 | 34:56 | 34:56 | -1 | 1.108 | 77 | 17 | 4 | 10 | 4 | 1.87(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | RQM |
| 359.8415 | 35:15 | 35:15 | 0 | 1.117 | 102 | 27 | 4 | 10 | 7 | | M |
| | Empc Correction | | | | 83 | 28 | 4 | 10 | 7 | | |
| 361.8385 | 35:15 | 35:15 | 0 | 1.118 | 67 | 23 | 4 | 10 | 6 | 1.52(1.05-1.43) | M |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:35 | 0 | 1.129 | 1243 | 287 | 4 | 10 | 72 | | |
| 361.8385 | 35:37 | 35:35 | 0 | 1.129 | 1150 | 249 | 5 | 12 | 50 | 1.08(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:35 | 0 | 1.129 | 1243 | 287 | 4 | 10 | 72 | | |
| 361.8385 | 35:37 | 35:35 | 0 | 1.129 | 1150 | 249 | 5 | 12 | 50 | 1.08(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-134 | | | | | | | | | | | RQM |
| 359.8415 | 35:55 | 35:55 | 0 | 1.139 | 121 | 21 | 4 | 10 | 5 | | M |
| 361.8385 | 35:55 | 35:55 | 0 | 1.139 | 165 | 23 | 5 | 12 | 5 | 0.73(1.05-1.43) | M |
| | Empc Correction | | | | 97 | 16 | 5 | 12 | 3 | | |
| PCB-143 (C134) | | | | | | | | | | | RQM |
| 359.8415 | 35:55 | 35:55 | 0 | 1.139 | 121 | 21 | 4 | 10 | 5 | | M |
| 361.8385 | 35:55 | 35:55 | 0 | 1.139 | 165 | 23 | 5 | 12 | 5 | 0.73(1.05-1.43) | M |
| | Empc Correction | | | | 97 | 16 | 5 | 12 | 3 | | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:11 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:11 | | | | | | 5 | 12 | | | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:11 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:11 | | | | | | 5 | 12 | | | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:25 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:25 | | | | | | 5 | 12 | | | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:32 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:32 | | | | | | 5 | 12 | | | |
| PCB-132 | | | | | | | | | | | M |
| 359.8415 | 36:53 | 36:53 | 0 | 1.169 | 423 | 100 | 4 | 10 | 25 | | |
| 361.8385 | 36:53 | 36:53 | 0 | 1.169 | 360 | 94 | 5 | 12 | 19 | 1.18(1.05-1.43) | M |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:23 | | | | | | 4 | 10 | | | |
| 361.8385 | 37:23 | | | | | | 5 | 12 | | | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:47 | | | | | | 4 | 10 | | | |
| 361.8385 | 37:47 | | | | | | 5 | 12 | | | |
| PCB-146 | | | | | | | | | | | RQ |
| 359.8415 | 38:04 | 38:01 | 2 | 0.888 | 218 | 47 | 4 | 10 | 12 | | |
| 361.8385 | 38:00 | 38:01 | -2 | 0.886 | 246 | 38 | 5 | 12 | 8 | 0.89(1.05-1.43) | |
| | Empc Correction | | | | 175 | 37 | 5 | 12 | 7 | | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:09 | | | | | | 4 | 10 | | | |
| 361.8385 | 38:09 | | | | | | 5 | 12 | | | |
| PCB-153 | | | | | | | | | | | RQ |
| 359.8415 | 38:38 | 38:40 | -2 | 0.901 | 1692 | 365 | 4 | 10 | 91 | | |
| | Empc Correction | | | | 1445 | 318 | 4 | 10 | 80 | | |
| 361.8385 | 38:39 | 38:40 | -1 | 0.902 | 1166 | 257 | 5 | 12 | 51 | 1.45(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | RQ |
| 359.8415 | 38:38 | 38:40 | -2 | 0.901 | 1692 | 365 | 4 | 10 | 91 | | |
| | Empc Correction | | | | 1445 | 318 | 4 | 10 | 80 | | |
| 361.8385 | 38:39 | 38:40 | -1 | 0.902 | 1166 | 257 | 5 | 12 | 51 | 1.45(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:50 | 38:49 | 0 | 0.906 | 309 | 83 | 4 | 10 | 21 | | |
| 361.8385 | 38:50 | 38:49 | 0 | 0.906 | 243 | 61 | 5 | 12 | 12 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:16 | 39:13 | 2 | 0.916 | 123 | 28 | 4 | 10 | 7 | | |
| 361.8385 | 39:15 | 39:13 | 1 | 0.916 | 91 | 27 | 5 | 12 | 5 | 1.35(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:28 | | | | | | 4 | 10 | | | |
| 361.8385 | 39:28 | | | | | | 5 | 12 | | | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:32 | | | | | | 4 | 10 | | | |
| 361.8385 | 39:32 | | | | | | 5 | 12 | | | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:54 | 39:53 | 0 | 0.931 | 1545 | 301 | 4 | 10 | 75 | | |
| 361.8385 | 39:53 | 39:53 | -1 | 0.930 | 1274 | 308 | 5 | 12 | 62 | 1.21(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:54 | 39:53 | 0 | 0.931 | 1545 | 301 | 4 | 10 | 75 | | |
| 361.8385 | 39:53 | 39:53 | -1 | 0.930 | 1274 | 308 | 5 | 12 | 62 | 1.21(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:54 | 39:53 | 0 | 0.931 | 1545 | 301 | 4 | 10 | 75 | | |
| 361.8385 | 39:53 | 39:53 | -1 | 0.930 | 1274 | 308 | 5 | 12 | 62 | 1.21(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:54 | 39:53 | 0 | 0.931 | 1545 | 301 | 4 | 10 | 75 | | |
| 361.8385 | 39:53 | 39:53 | -1 | 0.930 | 1274 | 308 | 5 | 12 | 62 | 1.21(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | RQ |
| 359.8415 | 40:18 | 40:16 | 1 | 0.940 | 186 | 46 | 4 | 10 | 12 | | |
| 361.8385 | 40:15 | 40:16 | -2 | 0.939 | 215 | 38 | 5 | 12 | 8 | 0.87(1.05-1.43) | |
| | Empc Correction | | | | 149 | 37 | 5 | 12 | 7 | | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:06 | 0 | 0.959 | 267 | 49 | 4 | 10 | 12 | | |
| 361.8385 | 41:08 | 41:06 | 1 | 0.959 | 191 | 52 | 5 | 12 | 10 | 1.40(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:06 | 0 | 0.959 | 267 | 49 | 4 | 10 | 12 | | |
| 361.8385 | 41:08 | 41:06 | 1 | 0.959 | 191 | 52 | 5 | 12 | 10 | 1.40(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:08 | | | | | | 4 | 10 | | | |
| 361.8385 | 42:08 | | | | | | 5 | 12 | | | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:25 | | | | | | 4 | 10 | | | |
| 361.8385 | 42:25 | | | | | | 5 | 12 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:53 | | | | | | 4 | 10 | | | |
| 361.8385 | 42:53 | | | | | | 5 | 12 | | | |
| PCB-156 | | | | | | | | | | | RQ |
| 359.8415 | 44:01 | 44:00 | -2 | 1.000 | 226 | 49 | 4 | 10 | 12 | | |
| 361.8385 | 44:02 | 44:00 | 0 | 1.000 | 244 | 49 | 5 | 12 | 10 | 0.93(1.05-1.43) | |
| | Empc Correction | | | | 182 | 39 | 5 | 12 | 8 | | |
| PCB-157 (C156) | | | | | | | | | | | RQ |
| 359.8415 | 44:01 | 44:00 | -2 | 1.000 | 226 | 49 | 4 | 10 | 12 | | |
| 361.8385 | 44:02 | 44:00 | 0 | 1.000 | 244 | 49 | 5 | 12 | 10 | 0.93(1.05-1.43) | |
| | Empc Correction | | | | 182 | 39 | 5 | 12 | 8 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:16 | | | | | | 4 | 10 | | | |
| 361.8385 | 47:16 | | | | | | 5 | 12 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:16 | 37:16 | -1 | 0.820 | 177451 | 35796 | 22 | 55 | 1627 | | |
| 407.8398 | 37:16 | 37:16 | -1 | 0.820 | 164701 | 34063 | 10 | 25 | 3406 | 1.08(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:20 | 40:18 | 0 | 0.888 | 138991 | 27829 | 22 | 55 | 1265 | | |
| 407.8398 | 40:19 | 40:18 | -1 | 0.887 | 126893 | 25703 | 10 | 25 | 2570 | 1.10(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:25 | 45:26 | 0 | | 168736 | 33478 | 22 | 55 | 1522 | | |
| 407.8398 | 45:25 | 45:26 | 0 | | 151327 | 29542 | 10 | 25 | 2954 | 1.12(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:41 | 46:40 | 0 | 1.028 | 111230 | 22266 | 22 | 55 | 1012 | | |
| 407.8398 | 46:41 | 46:40 | 0 | 1.028 | 98317 | 19964 | 10 | 25 | 1996 | 1.13(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:48 | 49:47 | -1 | 1.096 | 292033 | 55658 | 281 | 702 | 198 | | |
| 407.8398 | 49:48 | 49:47 | -1 | 1.096 | 284262 | 55022 | 215 | 537 | 256 | 1.03(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:18 | | | | | | 2 | 5 | | | |
| 395.7995 | 37:18 | | | | | | 8 | 20 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:37 | 37:36 | -1 | 1.009 | 268 | 66 | 2 | 5 | 33 | | |
| 395.7995 | 37:37 | 37:36 | -1 | 1.009 | 232 | 65 | 8 | 20 | 8 | 1.16(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:08 | | | | | | 2 | 5 | | | |
| 395.7995 | 38:08 | | | | | | 8 | 20 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:29 | | | | | | 2 | 5 | | | |
| 395.7995 | 38:29 | | | | | | 8 | 20 | | | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:57 | | | | | | 2 | 5 | | | |
| 395.7995 | 38:57 | | | | | | 8 | 20 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:20 | | | | | | 2 | 5 | | | |
| 395.7995 | 40:20 | | | | | | 8 | 20 | | | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:59 | | | | | | 2 | 5 | | | |
| 395.7995 | 40:59 | | | | | | 8 | 20 | | | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:15 | 41:13 | 0 | 1.107 | 444 | 164 | 2 | 5 | 82 | | |
| 395.7995 | 41:14 | 41:13 | -1 | 1.107 | 479 | 86 | 8 | 20 | 11 | 0.93(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:27 | | | | | | 2 | 5 | | | |
| 395.7995 | 41:27 | | | | | | 8 | 20 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-183 | | | | | | | | | | | RQ |
| 393.8025 | 41:51 | 41:50 | -1 | 1.123 | 470 | 93 | 2 | 5 | 47 | | |
| | Empc Correction | | | | 300 | 51 | 2 | 5 | 26 | | |
| 395.7995 | 41:51 | 41:50 | -1 | 1.123 | 286 | 49 | 8 | 20 | 6 | 1.64(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | RQ |
| 393.8025 | 41:51 | 41:50 | -1 | 1.123 | 470 | 93 | 2 | 5 | 47 | | |
| | Empc Correction | | | | 300 | 51 | 2 | 5 | 26 | | |
| 395.7995 | 41:51 | 41:50 | -1 | 1.123 | 286 | 49 | 8 | 20 | 6 | 1.64(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | RQ |
| 393.8025 | 42:08 | 42:04 | 1 | 1.130 | 349 | 65 | 2 | 5 | 33 | | |
| 395.7995 | 42:05 | 42:04 | -1 | 1.129 | 469 | 101 | 8 | 20 | 13 | 0.74(0.89-1.21) | |
| | Empc Correction | | | | 332 | 61 | 8 | 20 | 8 | | |
| PCB-177 | | | | | | | | | | | RQ |
| 393.8025 | 42:32 | 42:31 | -1 | 1.141 | 283 | 57 | 2 | 5 | 29 | | |
| 395.7995 | 42:32 | 42:31 | -1 | 1.141 | 337 | 61 | 8 | 20 | 8 | 0.84(0.89-1.21) | |
| | Empc Correction | | | | 269 | 54 | 8 | 20 | 7 | | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:56 | | | | | | 2 | 5 | | | |
| 395.7995 | 42:56 | | | | | | 8 | 20 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:08 | 0 | 1.158 | 188 | 35 | 2 | 5 | 18 | | |
| 395.7995 | 43:10 | 43:08 | 0 | 1.158 | 183 | 47 | 8 | 20 | 6 | 1.03(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:08 | 0 | 1.158 | 188 | 35 | 2 | 5 | 18 | | |
| 395.7995 | 43:10 | 43:08 | 0 | 1.158 | 183 | 47 | 8 | 20 | 6 | 1.03(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:47 | | | | | | 2 | 5 | | | |
| 395.7995 | 44:47 | | | | | | 8 | 20 | | | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:03 | | | | | | 2 | 5 | | | |
| 395.7995 | 45:03 | | | | | | 8 | 20 | | | |
| PCB-180 | | | | | | | | | | | RQ |
| 393.8025 | 45:27 | 45:27 | 2 | 0.913 | 976 | 183 | 2 | 5 | 92 | | |
| | Empc Correction | | | | 789 | 137 | 2 | 5 | 69 | | |
| 395.7995 | 45:28 | 45:27 | 3 | 0.913 | 752 | 131 | 8 | 20 | 16 | 1.30(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | RQ |
| 393.8025 | 45:27 | 45:27 | 2 | 0.913 | 976 | 183 | 2 | 5 | 92 | | |
| | Empc Correction | | | | 789 | 137 | 2 | 5 | 69 | | |
| 395.7995 | 45:28 | 45:27 | 3 | 0.913 | 752 | 131 | 8 | 20 | 16 | 1.30(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:47 | | | | | | 2 | 5 | | | |
| 395.7995 | 45:47 | | | | | | 8 | 20 | | | |
| PCB-170 | | | | | | | | | | | RQM |
| 393.8025 | 46:41 | 46:42 | 0 | 0.938 | 395 | 94 | 2 | 5 | 47 | | |
| 395.7995 | 46:42 | 46:42 | 0 | 0.938 | 494 | 104 | 8 | 20 | 13 | 0.80(0.89-1.21) | M |
| | Empc Correction | | | | 376 | 89 | 8 | 20 | 11 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:13 | | | | | | 2 | 5 | | | |
| 395.7995 | 47:13 | | | | | | 8 | 20 | | | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:48 | | | | | | 11 | 27 | | | |
| 395.7995 | 49:48 | | | | | | 10 | 25 | | | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:38 | 42:39 | -1 | 0.821 | 139867 | 28123 | 12 | 30 | 2344 | | |
| 441.8008 | 42:38 | 42:39 | -1 | 0.821 | 154801 | 30932 | 8 | 20 | 3867 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:55 | 51:55 | 0 | | 206542 | 40211 | 91 | 227 | 442 | | |
| 441.8008 | 51:55 | 51:55 | 0 | | 222595 | 43511 | 127 | 317 | 343 | 0.93(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:22 | 0 | 1.009 | 210464 | 40000 | 91 | 227 | 440 | | |
| 441.8008 | 52:23 | 52:22 | 0 | 1.009 | 237690 | 44804 | 127 | 317 | 353 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | RQM |
| 427.7635 | 42:43 | 42:39 | 3 | 1.002 | 67 | 11 | 3 | 7 | 4 | | M |
| 429.7606 | 42:39 | 42:39 | -1 | 1.000 | 110 | 22 | 4 | 10 | 6 | 0.61(0.76-1.02) | M |
| | Empc Correction | | | | 75 | 12 | 4 | 10 | 3 | | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:35 | | | | | | 3 | 7 | | | |
| 429.7606 | 43:35 | | | | | | 4 | 10 | | | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:15 | | | | | | 3 | 7 | | | |
| 429.7606 | 44:15 | | | | | | 4 | 10 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:29 | | | | | | 3 | 7 | | | |
| 429.7606 | 44:29 | | | | | | 4 | 10 | | | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:35 | | | | | | 3 | 7 | | | |
| 429.7606 | 44:35 | | | | | | 4 | 10 | | | |
| PCB-198 | | | | | | | | | | | RQ |
| 427.7635 | 47:27 | 47:22 | 4 | 1.113 | 199 | 38 | 3 | 7 | 13 | | |
| | Empc Correction | | | | 129 | 19 | 3 | 7 | 6 | | |
| 429.7606 | 47:24 | 47:22 | 0 | 1.112 | 146 | 22 | 4 | 10 | 6 | 1.36(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | RQ |
| 427.7635 | 47:27 | 47:22 | 4 | 1.113 | 199 | 38 | 3 | 7 | 13 | | |
| | Empc Correction | | | | 129 | 19 | 3 | 7 | 6 | | |
| 429.7606 | 47:24 | 47:22 | 0 | 1.112 | 146 | 22 | 4 | 10 | 6 | 1.36(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:04 | | | | | | 3 | 7 | | | |
| 429.7606 | 48:04 | | | | | | 4 | 10 | | | |
| PCB-203 | | | | | | | | | | | RQM |
| 427.7635 | 48:15 | 48:14 | 0 | 0.921 | 152 | 34 | 3 | 7 | 11 | | M |
| | Empc Correction | | | | 108 | 24 | 3 | 7 | 8 | | |
| 429.7606 | 48:14 | 48:14 | -2 | 0.921 | 122 | 28 | 4 | 10 | 7 | 1.25(0.76-1.02) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:35 | | | | | | 6 | 15 | | | |
| 429.7606 | 49:35 | | | | | | 9 | 22 | | | |
| PCB-194 | | | | | | | | | | | M |
| 427.7635 | 51:55 | 51:59 | -1 | 0.991 | 253 | 58 | 6 | 15 | 10 | | M |
| 429.7606 | 51:56 | 51:59 | -1 | 0.991 | 254 | 58 | 9 | 22 | 6 | 1.00(0.76-1.02) | M |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:25 | | | | | | 6 | 15 | | | |
| 429.7606 | 52:25 | | | | | | 9 | 22 | | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:20 | 49:20 | 0 | 0.950 | 177540 | 33962 | 139 | 347 | 244 | | |
| 475.7619 | 49:20 | 49:20 | 0 | 0.950 | 218232 | 42192 | 99 | 247 | 426 | 0.81(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:09 | 54:08 | -1 | 1.043 | 127802 | 25595 | 139 | 347 | 184 | | |
| 475.7619 | 54:09 | 54:08 | -1 | 1.043 | 160806 | 29840 | 99 | 247 | 301 | 0.79(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:22 | | | | | | 14 | 35 | | | |
| 463.7216 | 49:22 | | | | | | 19 | 47 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:17 | | | | | | 14 | 35 | | | |
| 463.7216 | 50:17 | | | | | | 19 | 47 | | | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:09 | | | | | | 14 | 35 | | | |
| 463.7216 | 54:09 | | | | | | 19 | 47 | | | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:48 | 55:47 | 0 | 1.075 | 107262 | 19215 | 21 | 52 | 915 | | |
| 509.7229 | 55:48 | 55:47 | 0 | 1.075 | 154252 | 27571 | 12 | 30 | 2298 | 0.70(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:48 | 55:48 | -1 | 1.000 | 294 | 65 | 5 | 12 | 13 | | |
| 497.6826 | 55:49 | 55:48 | 0 | 1.000 | 418 | 85 | 3 | 7 | 28 | 0.70(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

Eurofins TestAmerica, Knoxville

| | | | |
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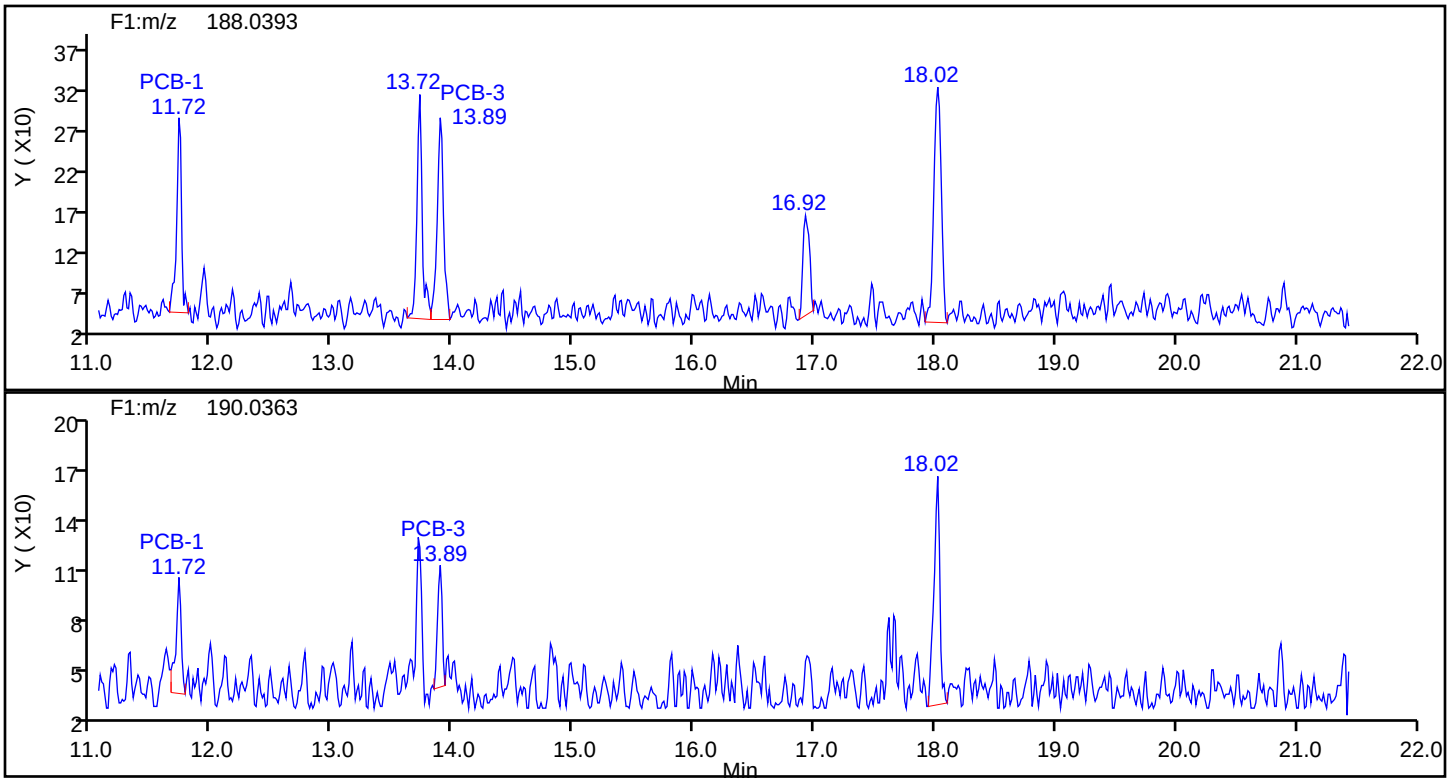
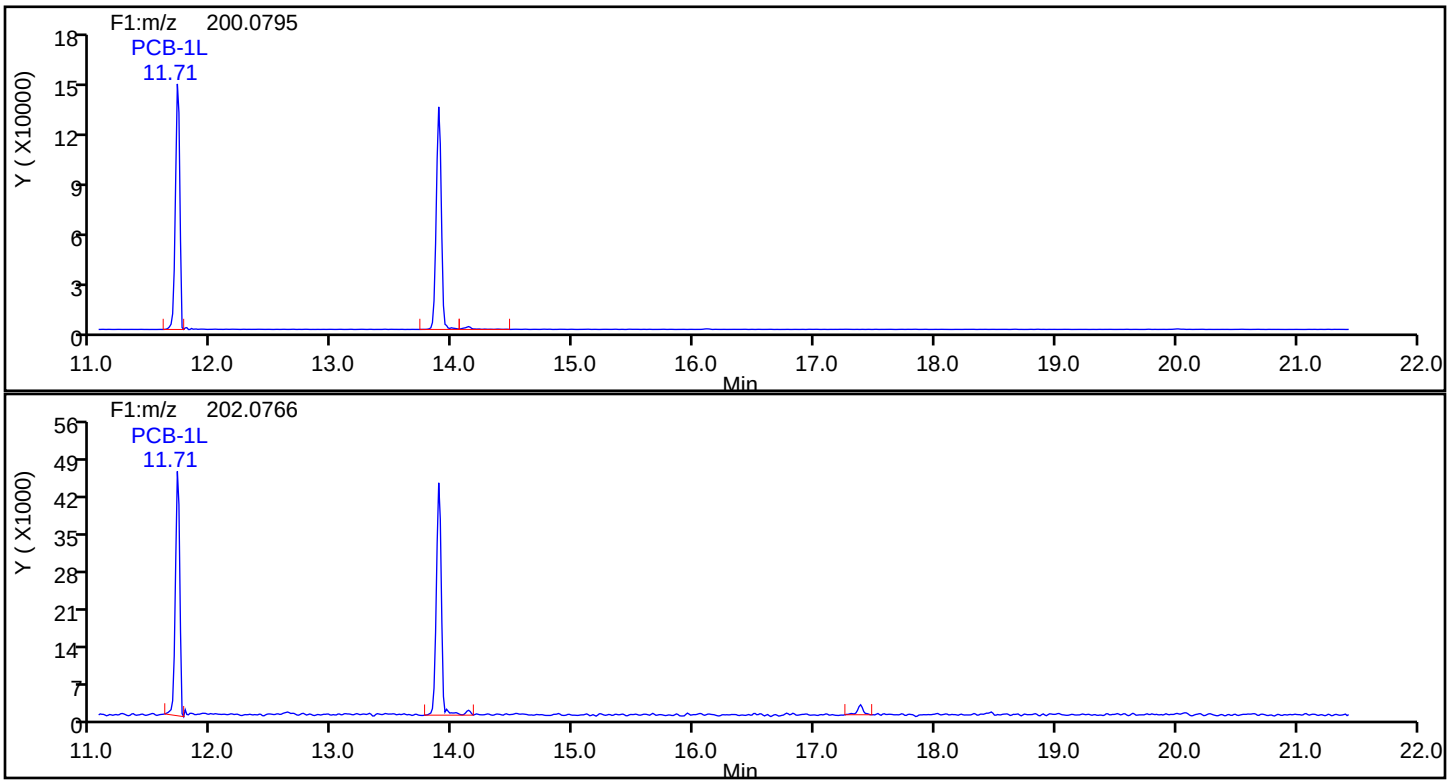
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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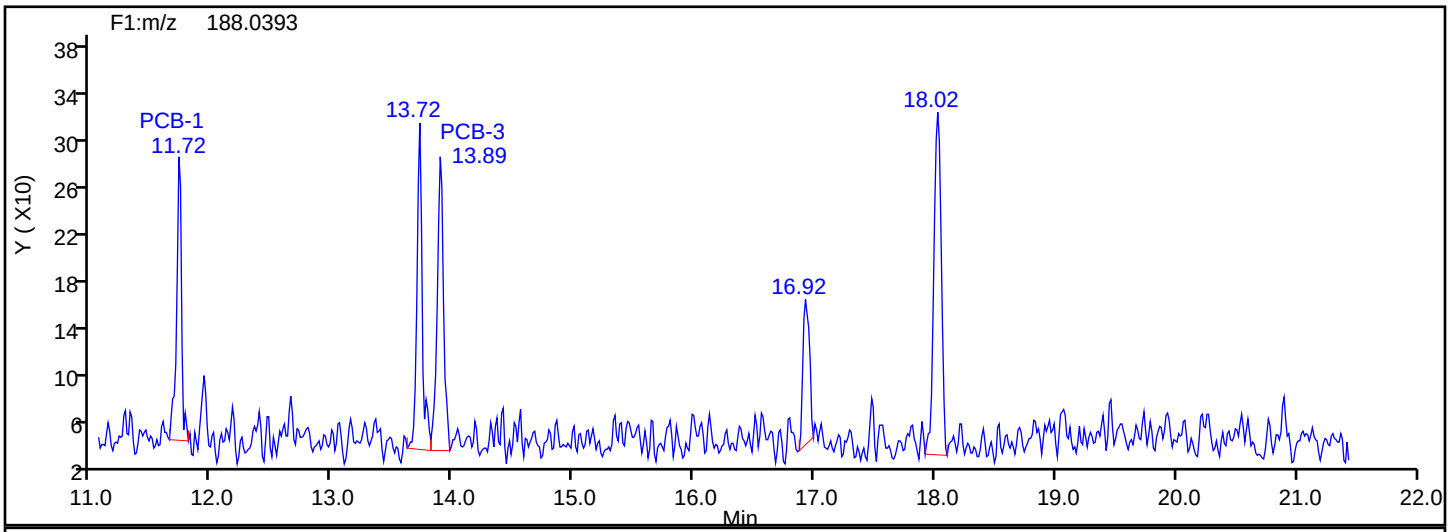
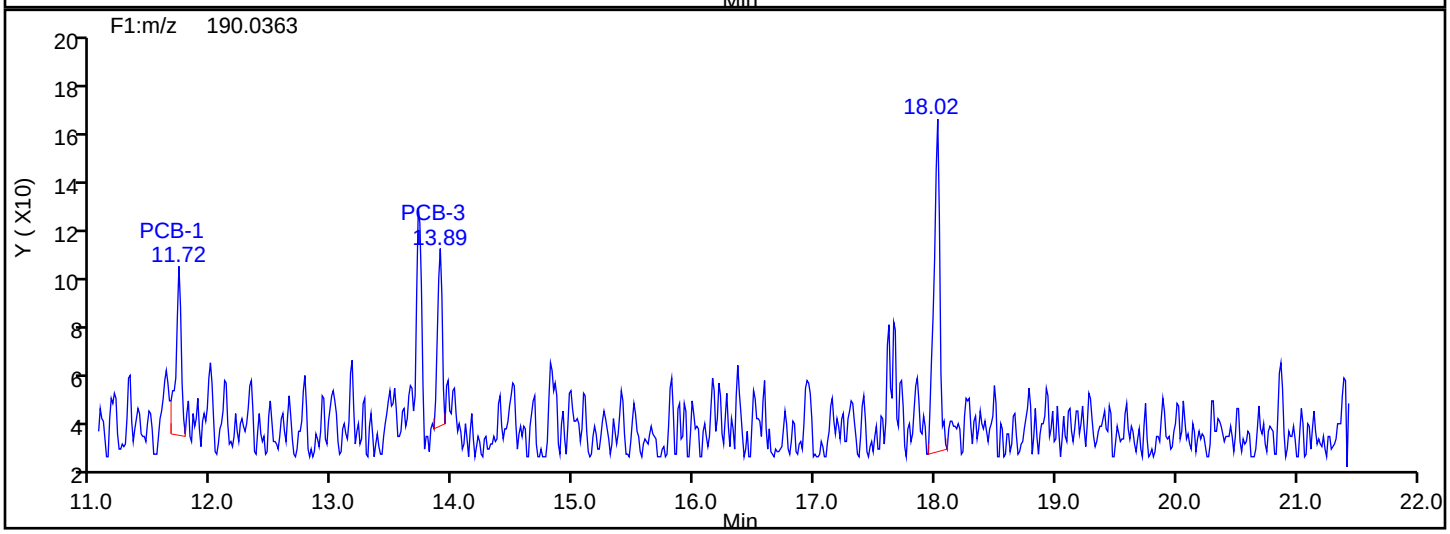
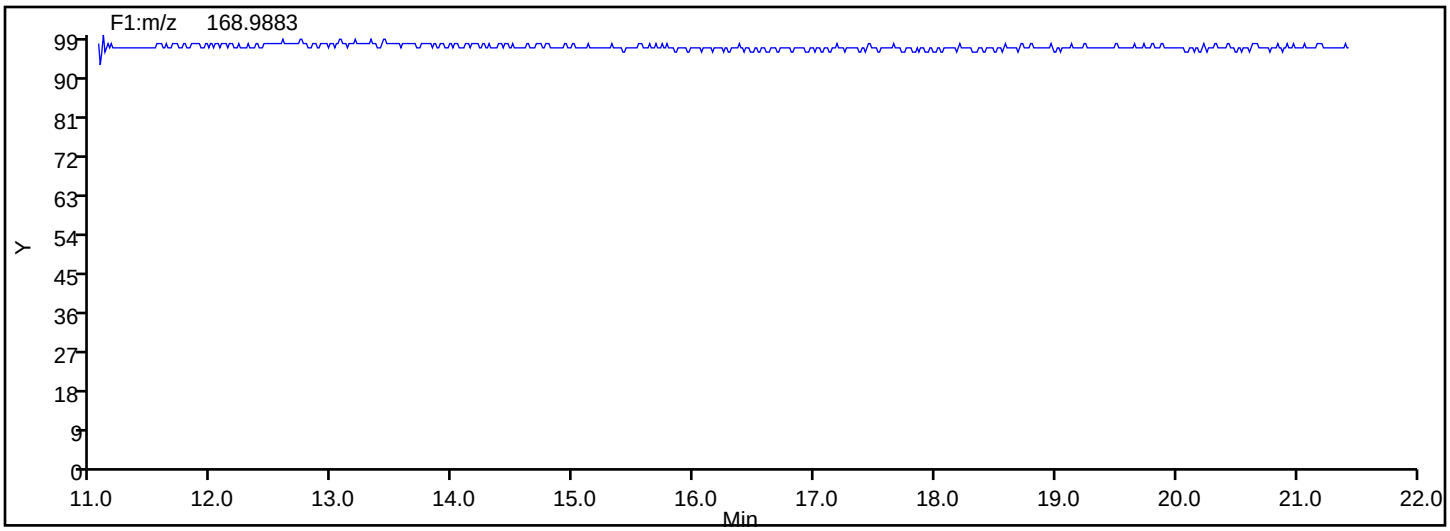
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 2

Processing Integration Results

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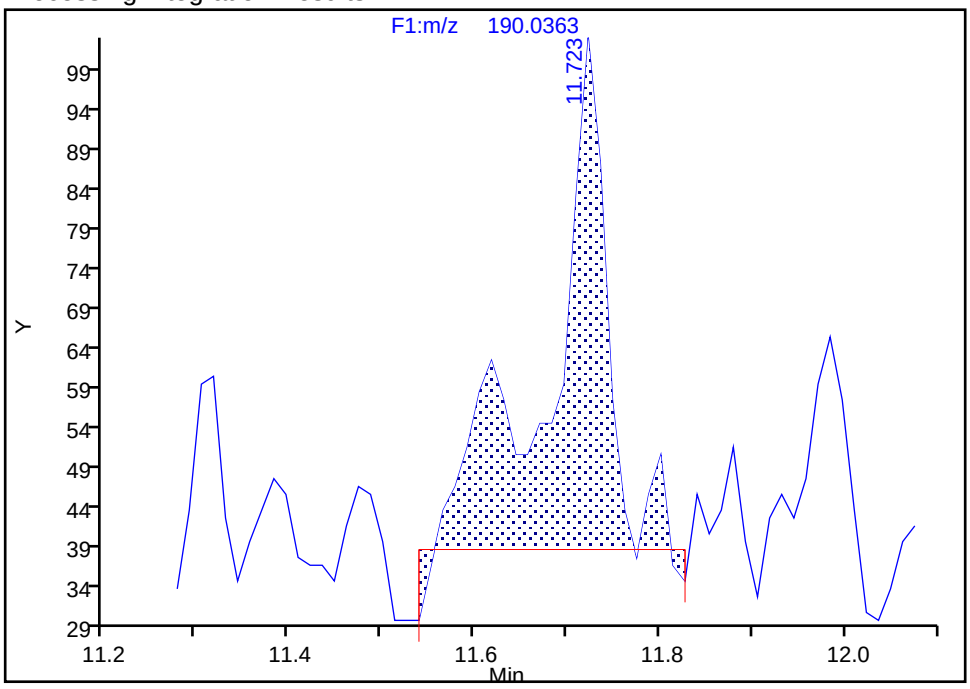
Area: 279
Amount: 0.165776
Amount Units: pg/ul




Manual Integration Results

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Area: 199
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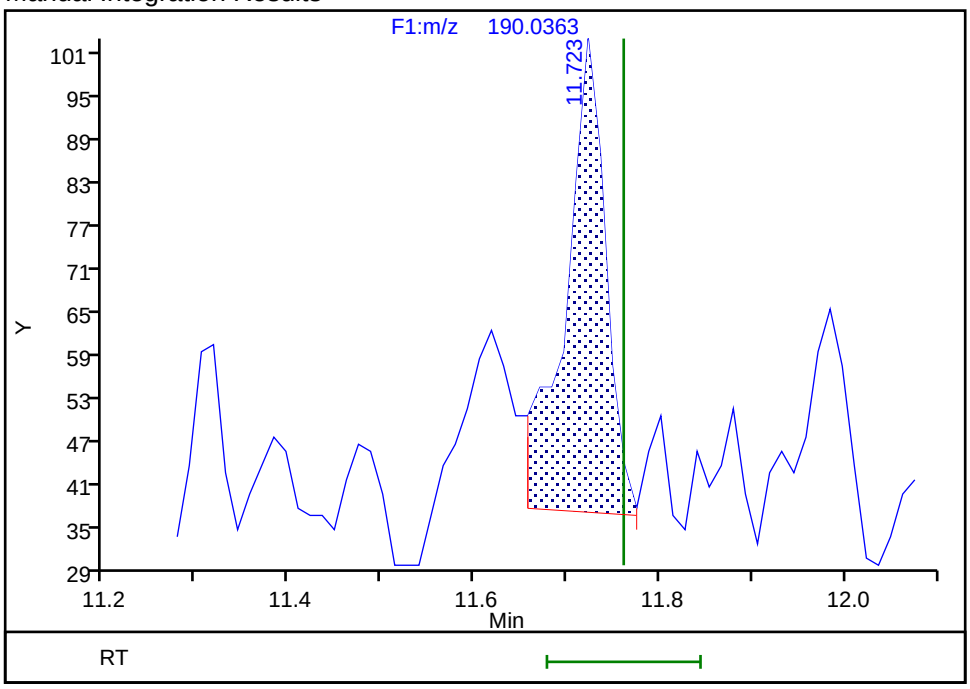
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:41:12

Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 24-Sep-2019 21:51:20 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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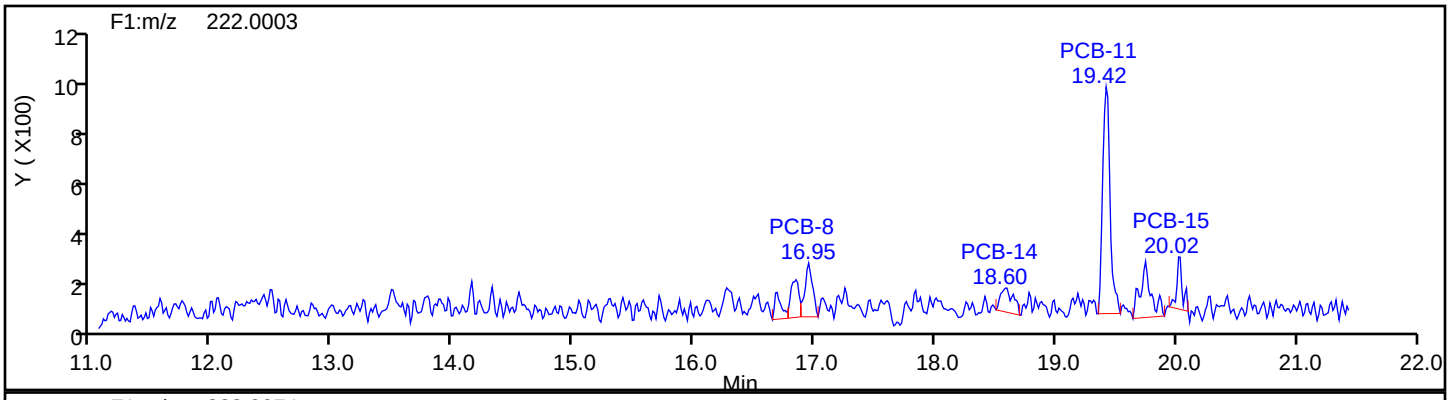
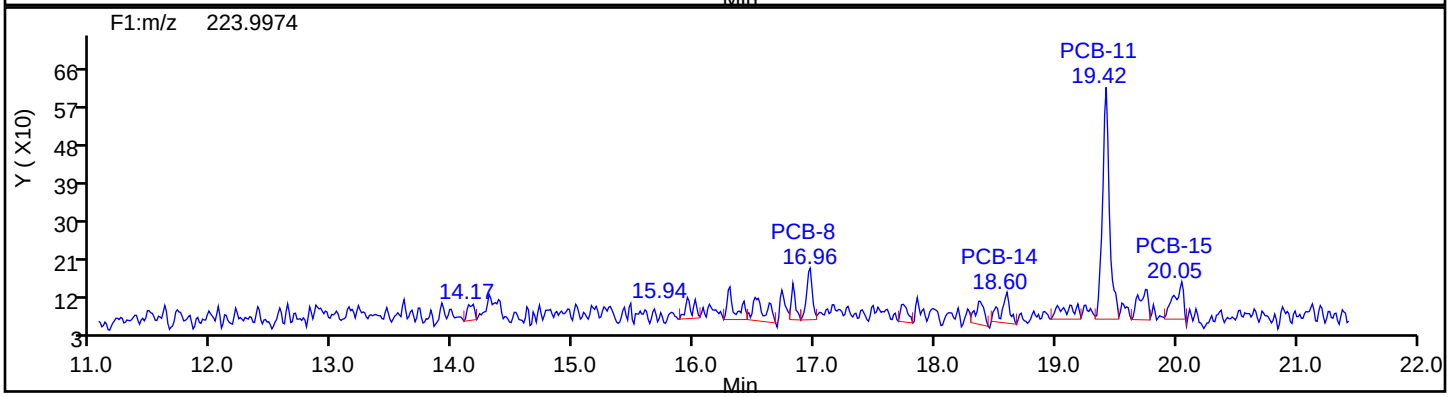
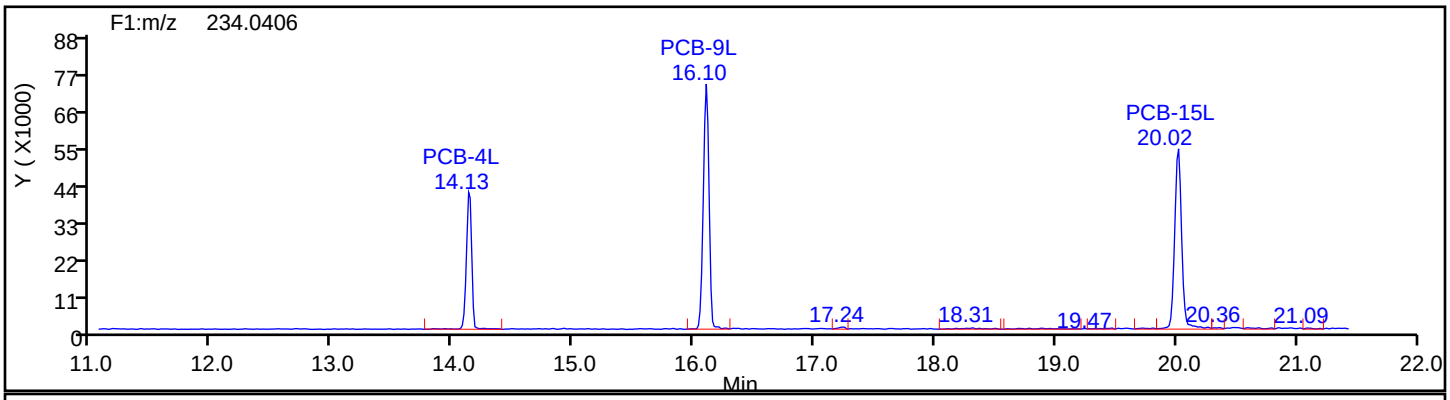
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

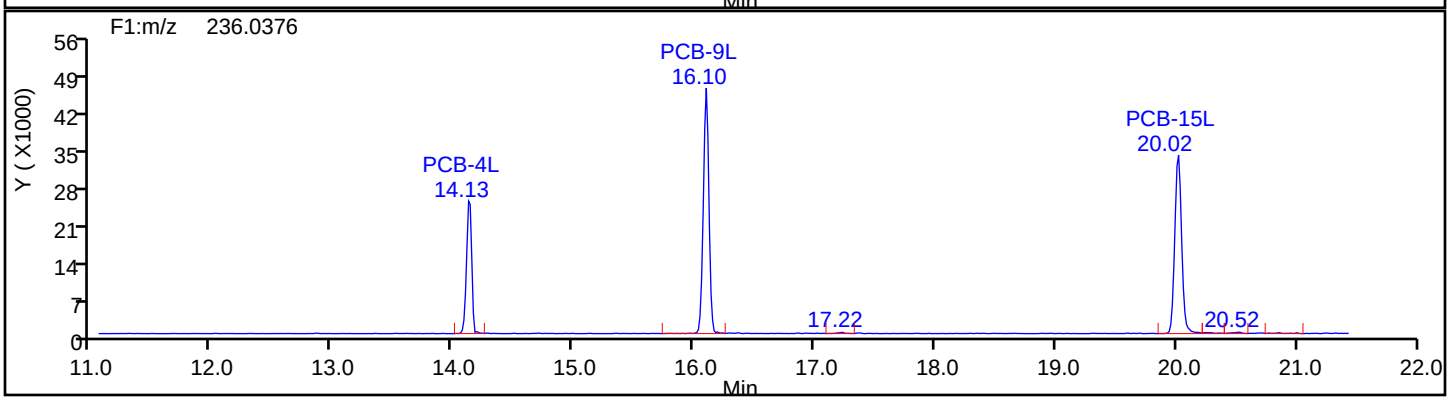
DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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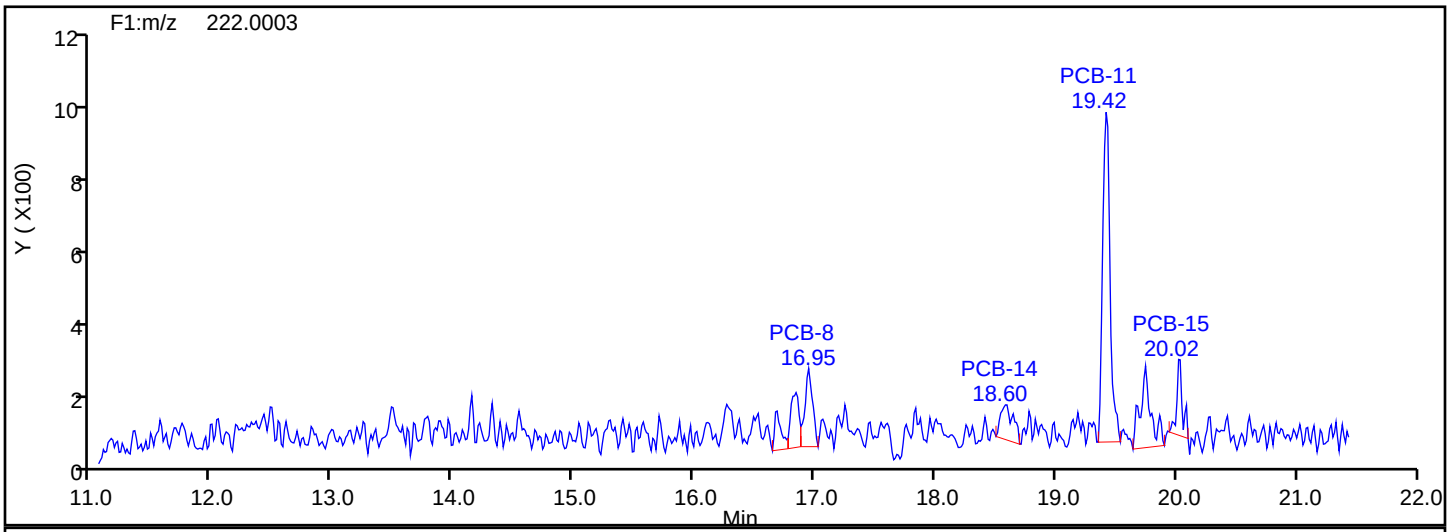
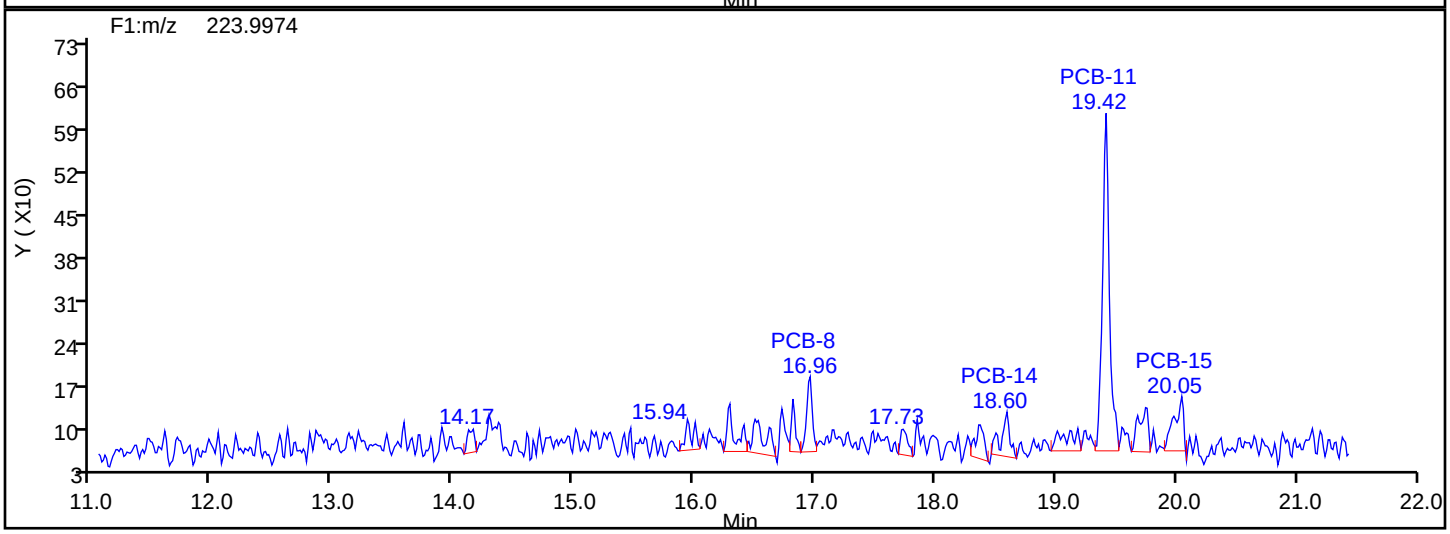
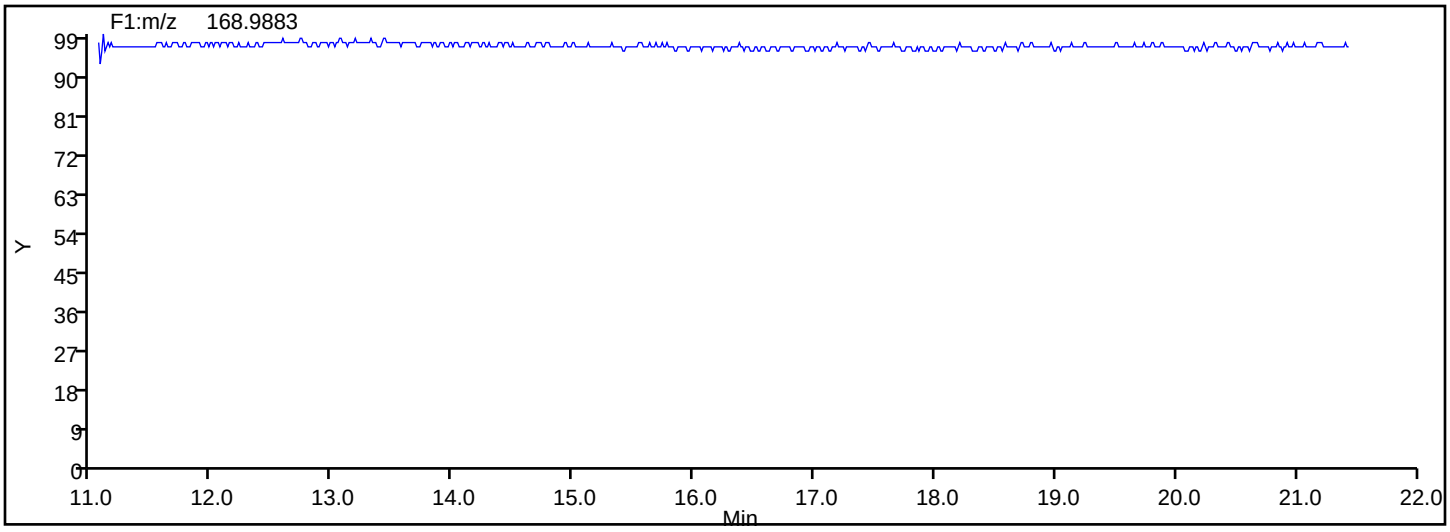
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

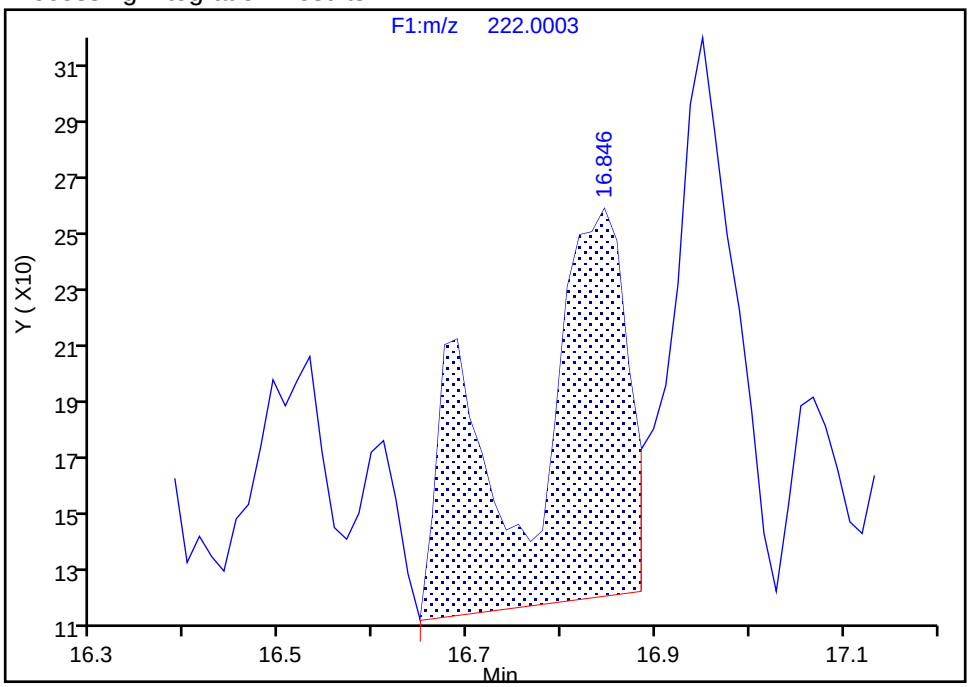
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 1

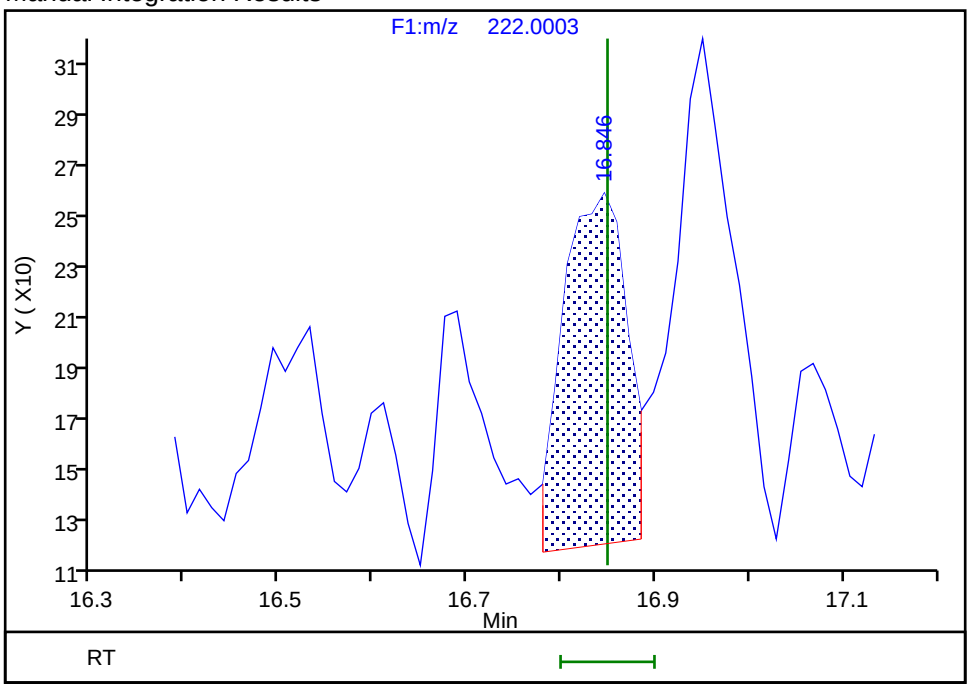
Processing Integration Results

RT: 16.85
Area: 994
Amount: 0.274295
Amount Units: pg/ul




Manual Integration Results

RT: 16.85
Area: 624
Amount: 0.189224
Amount Units: pg/ul



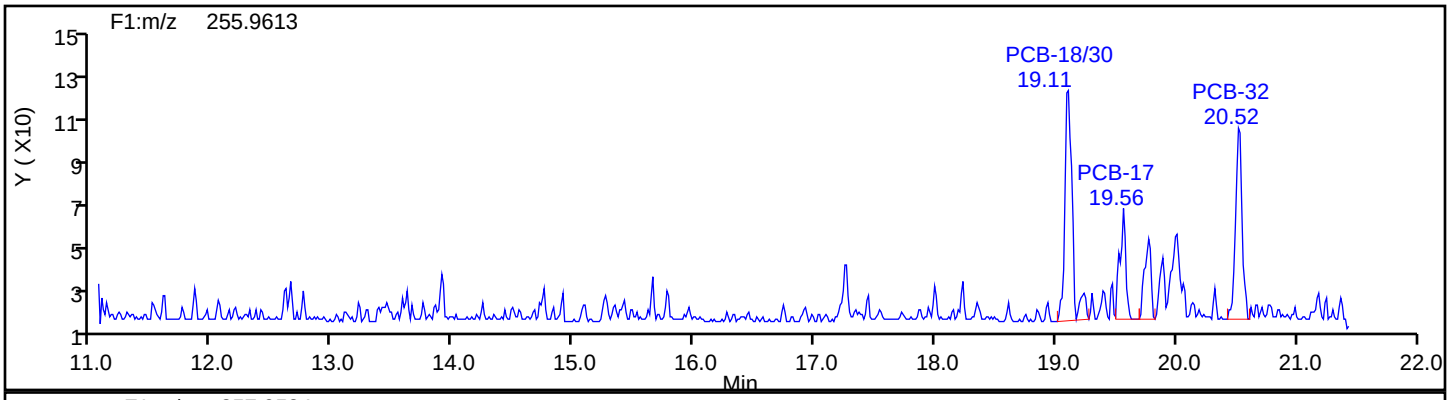

Reviewer: parslyt, 24-Sep-2019 21:41:33

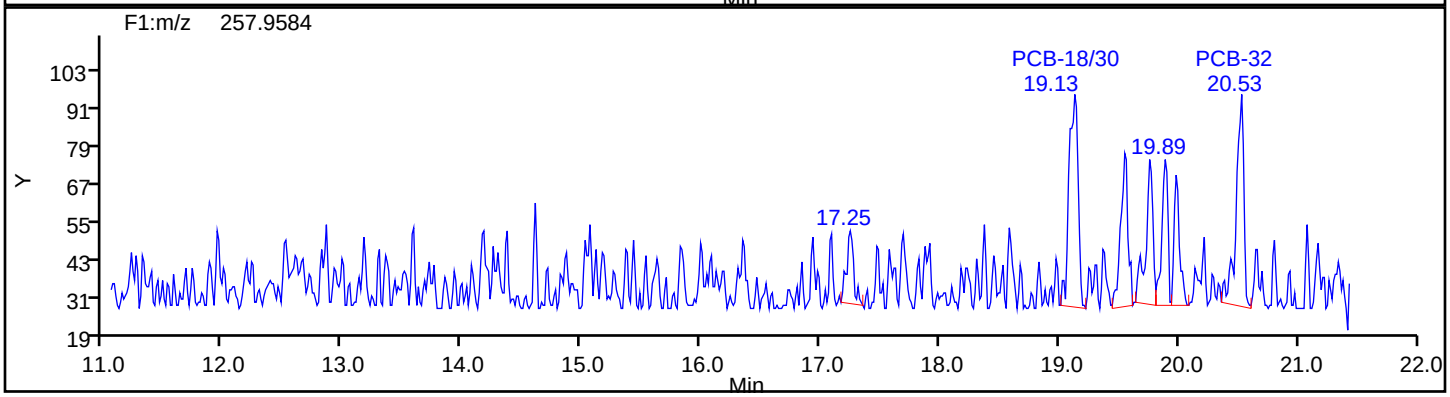
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

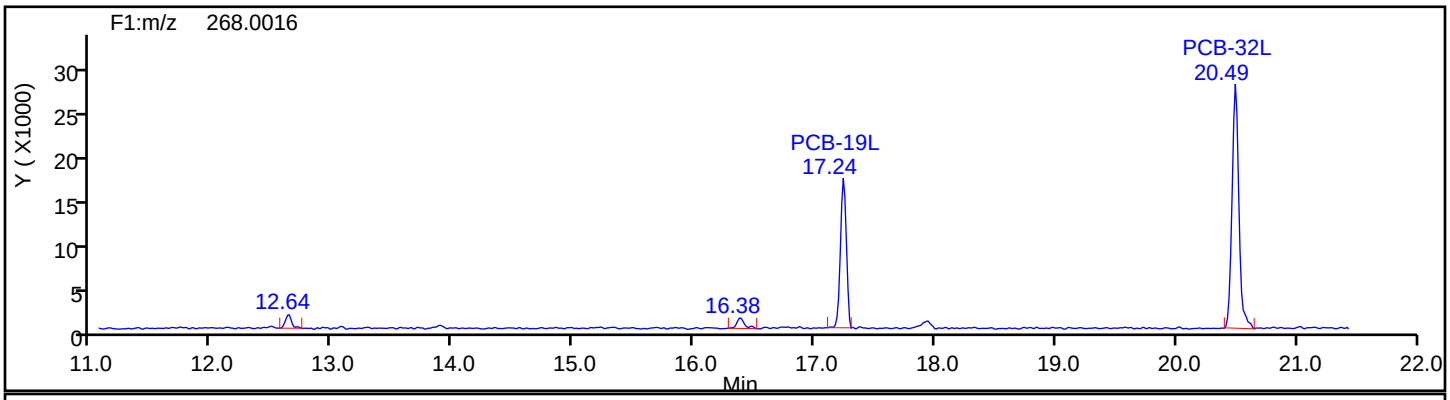
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

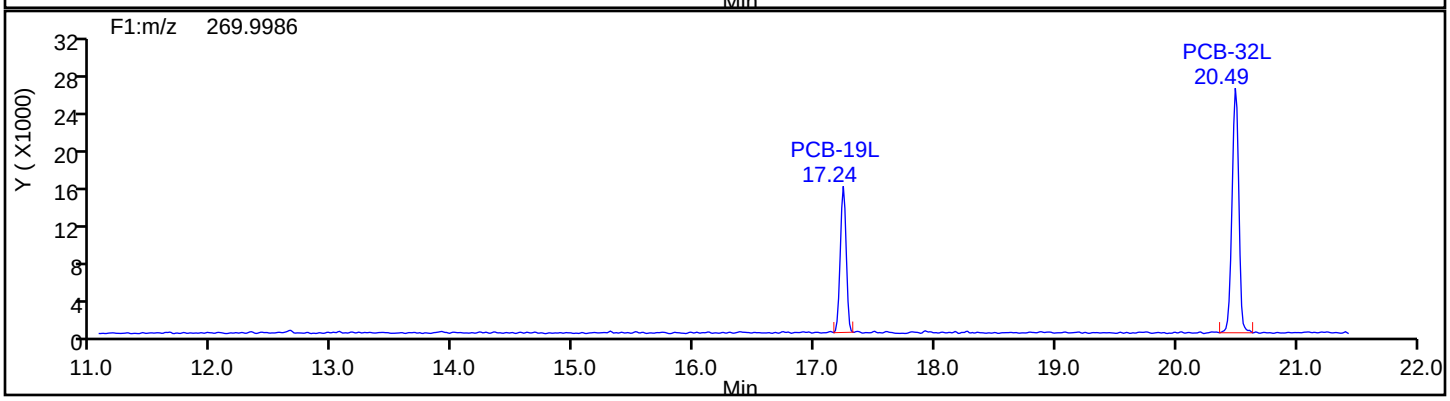
TriPCB F1




TriPCB F1 Standards

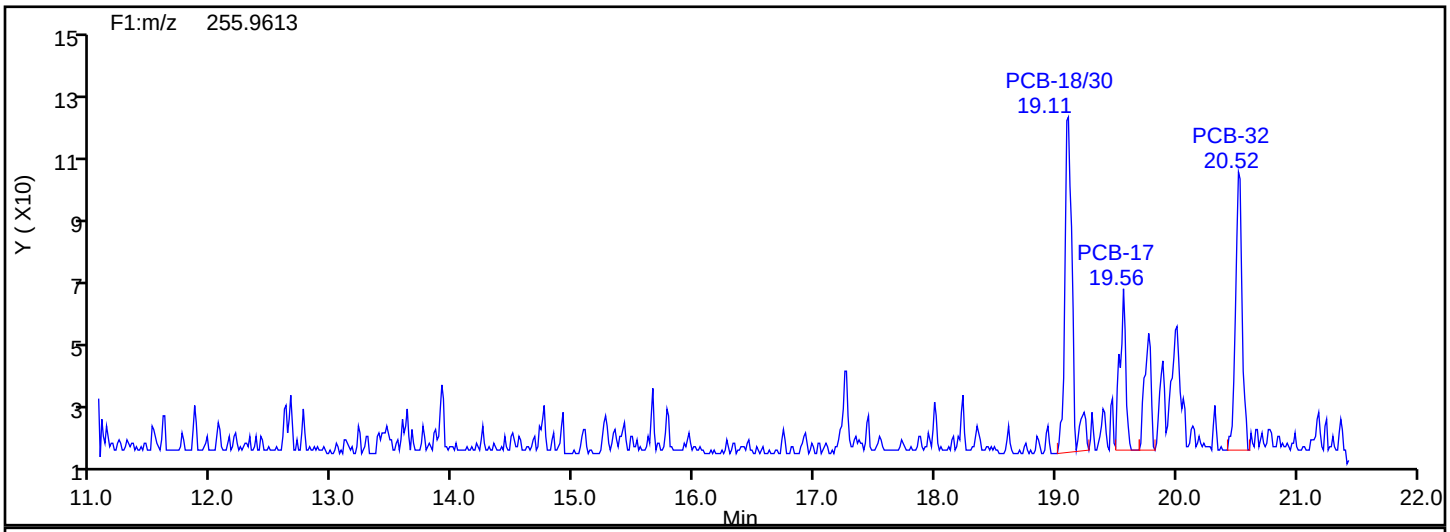


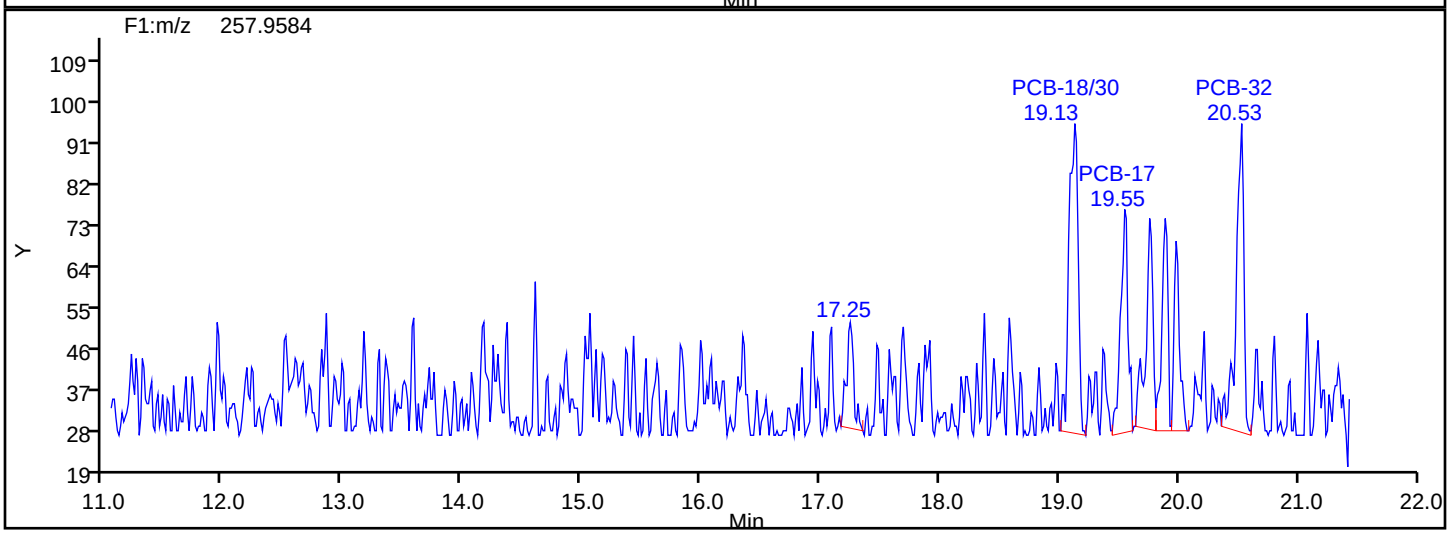



Eurofins TestAmerica, Knoxville

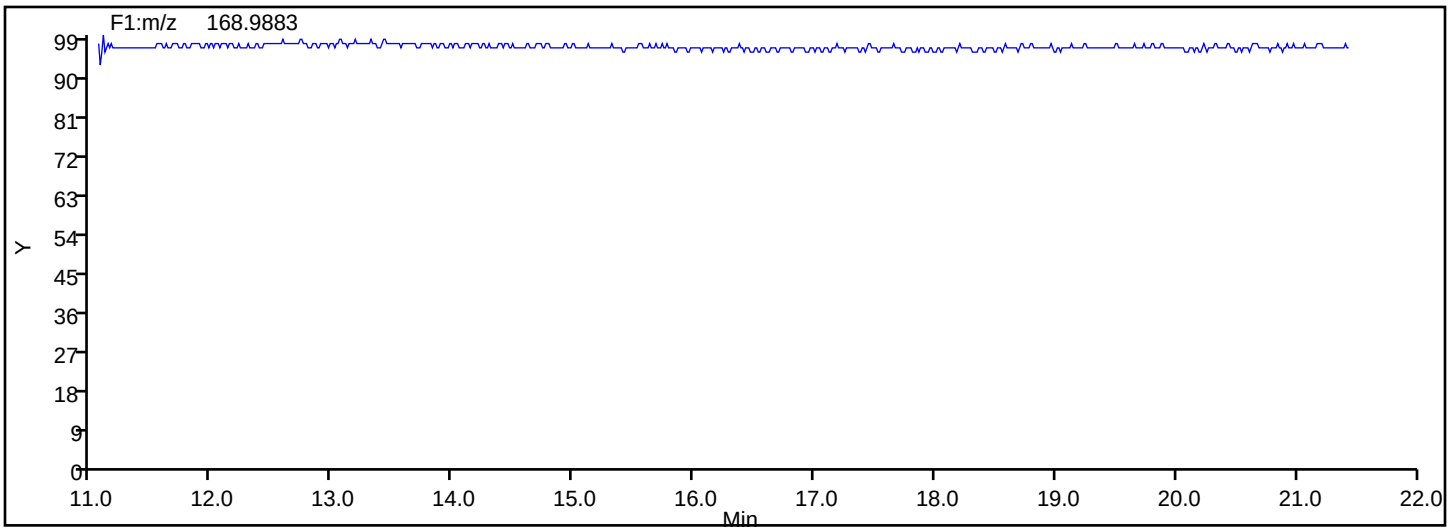
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



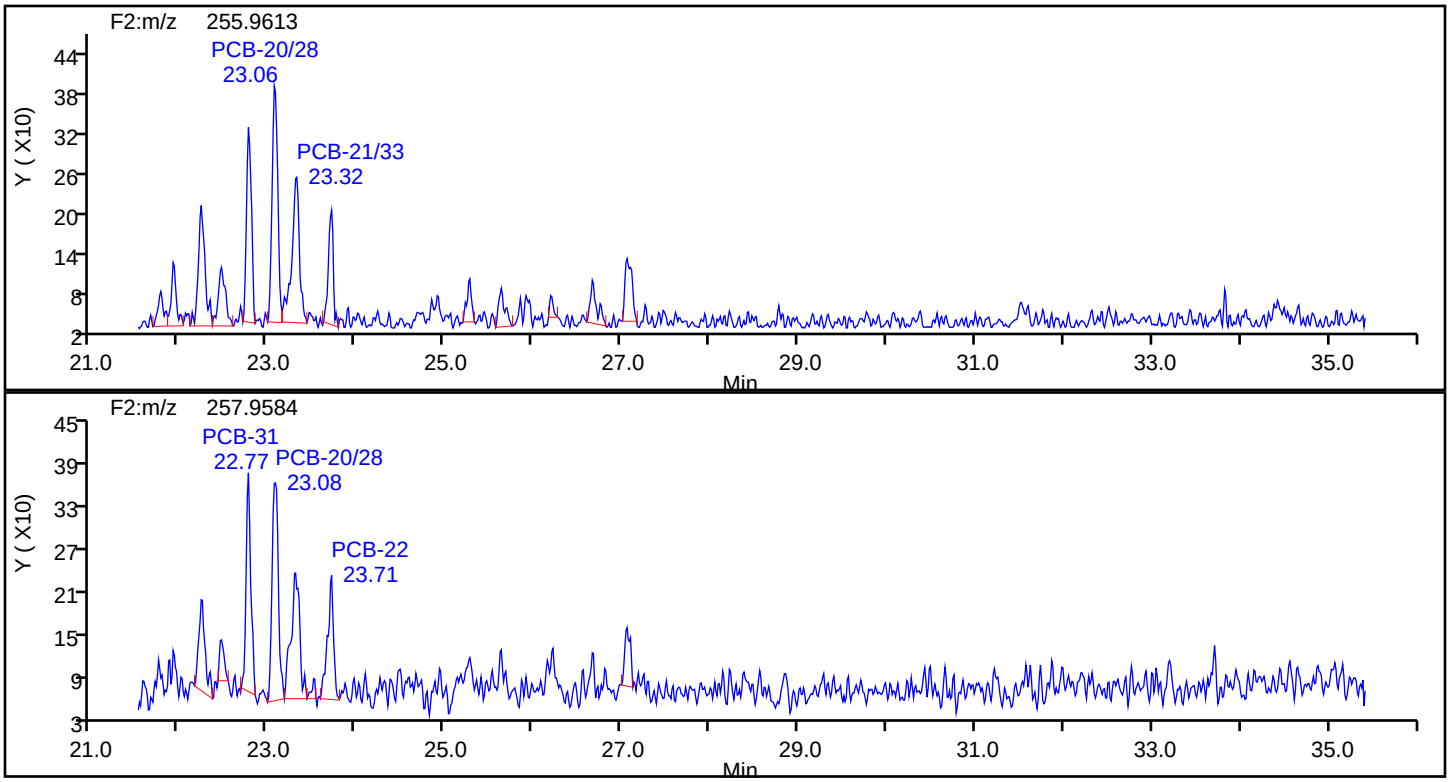

TriPCB F1 Lock Mass



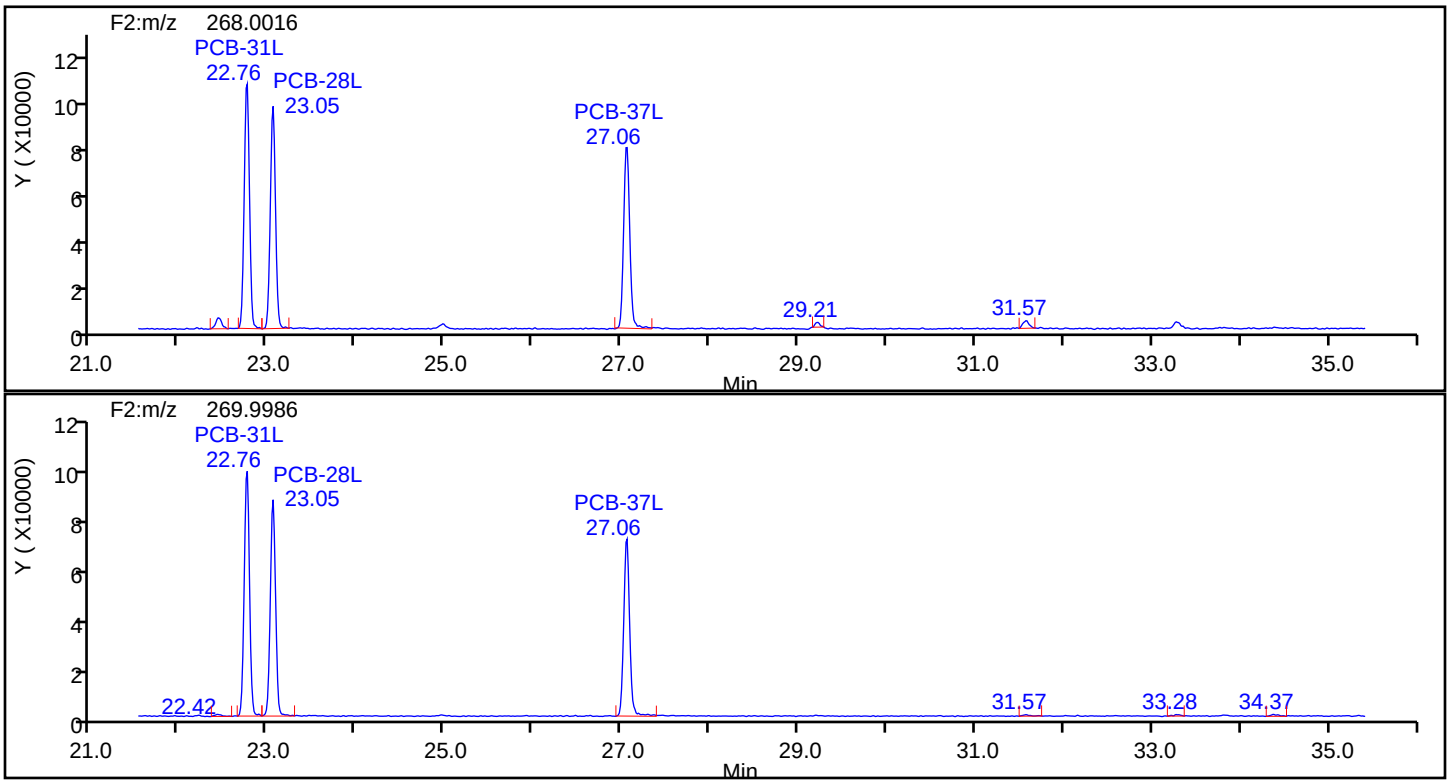
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



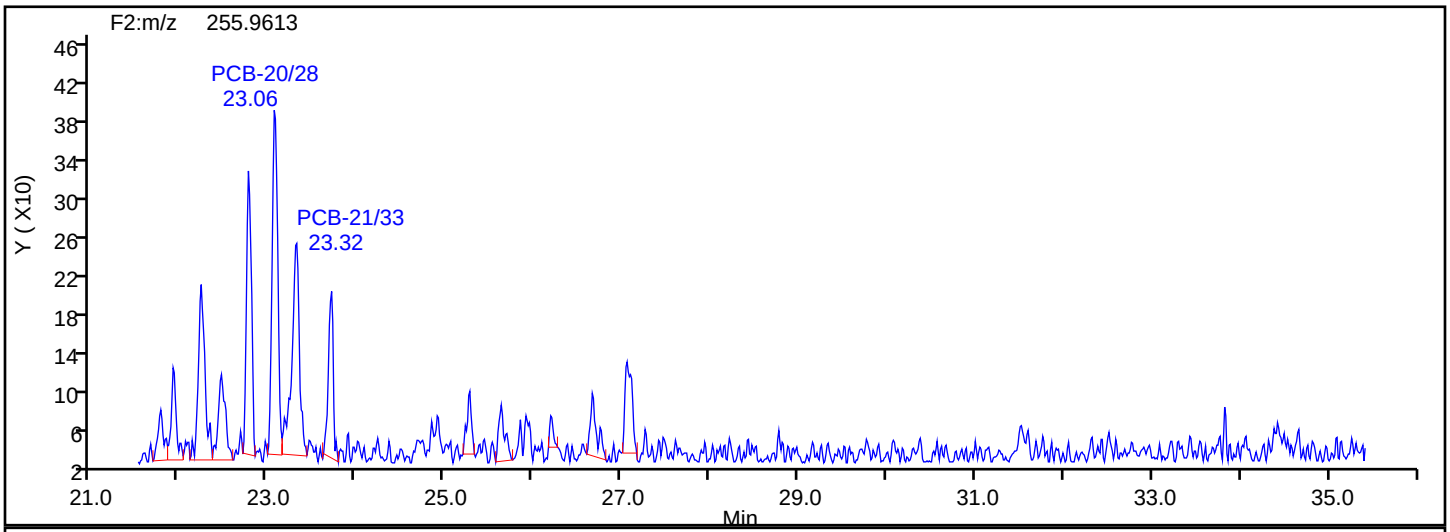

TriPCB F2 Standards

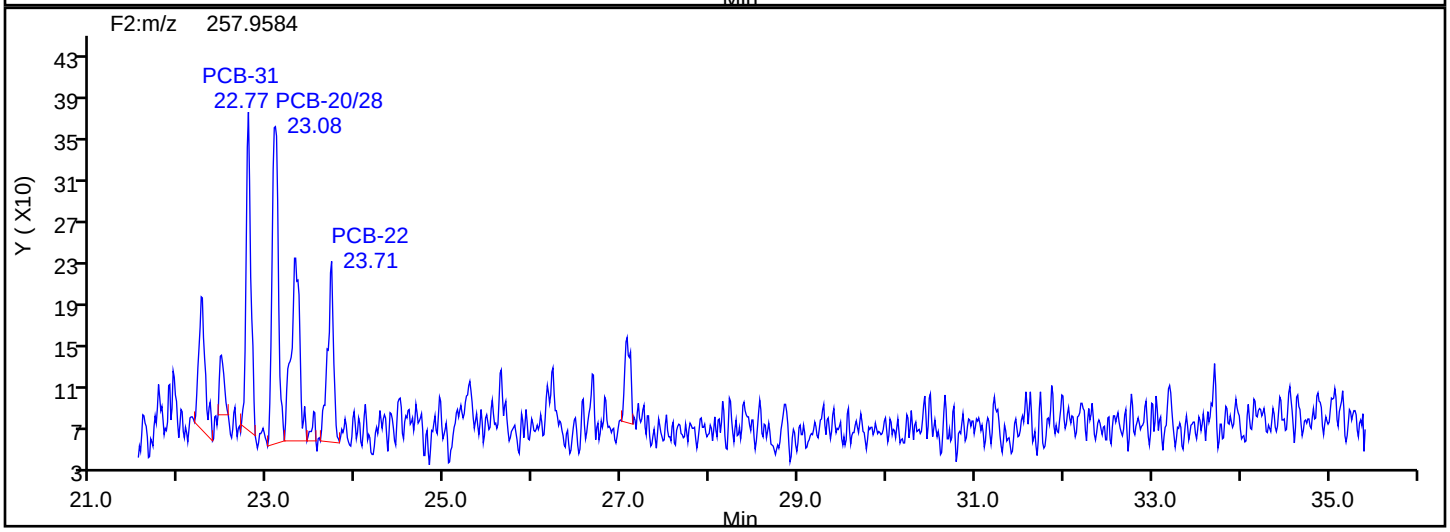


Eurofins TestAmerica, Knoxville

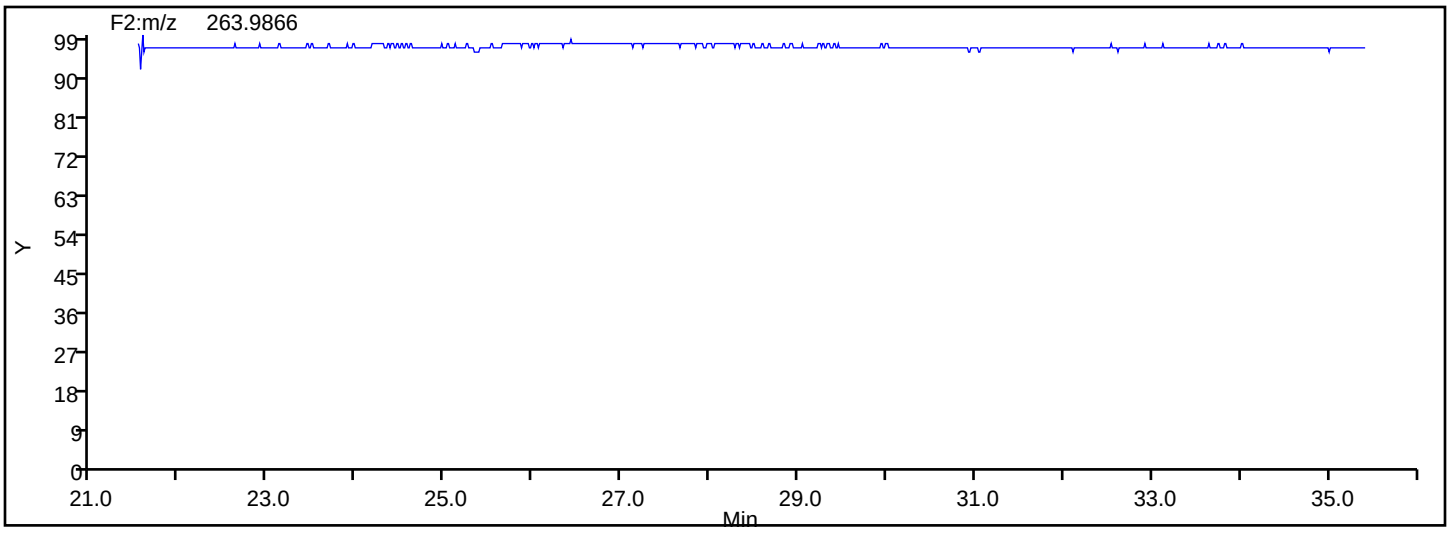
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

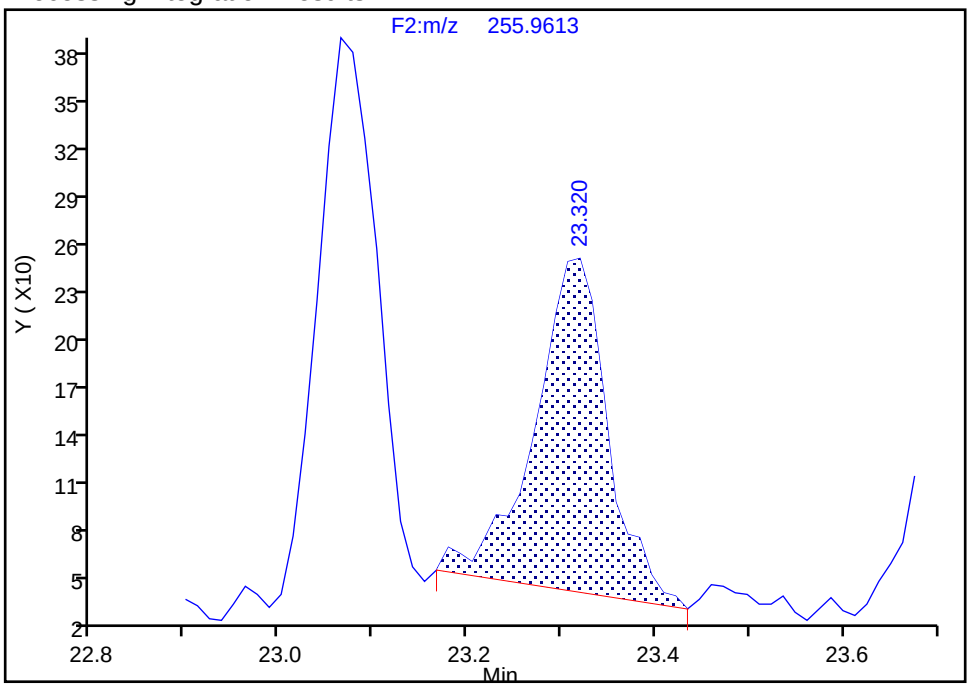
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 1

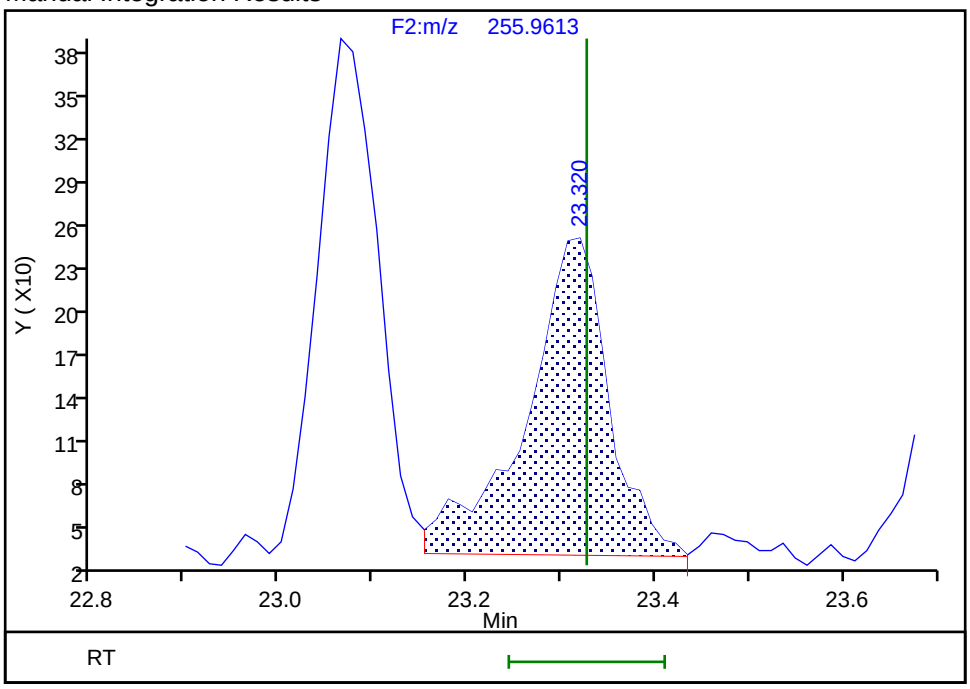
Processing Integration Results

RT: 23.32
Area: 1113
Amount: 0.247006
Amount Units: pg/ul




Manual Integration Results

RT: 23.32
Area: 1321
Amount: 0.260689
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:42:22

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

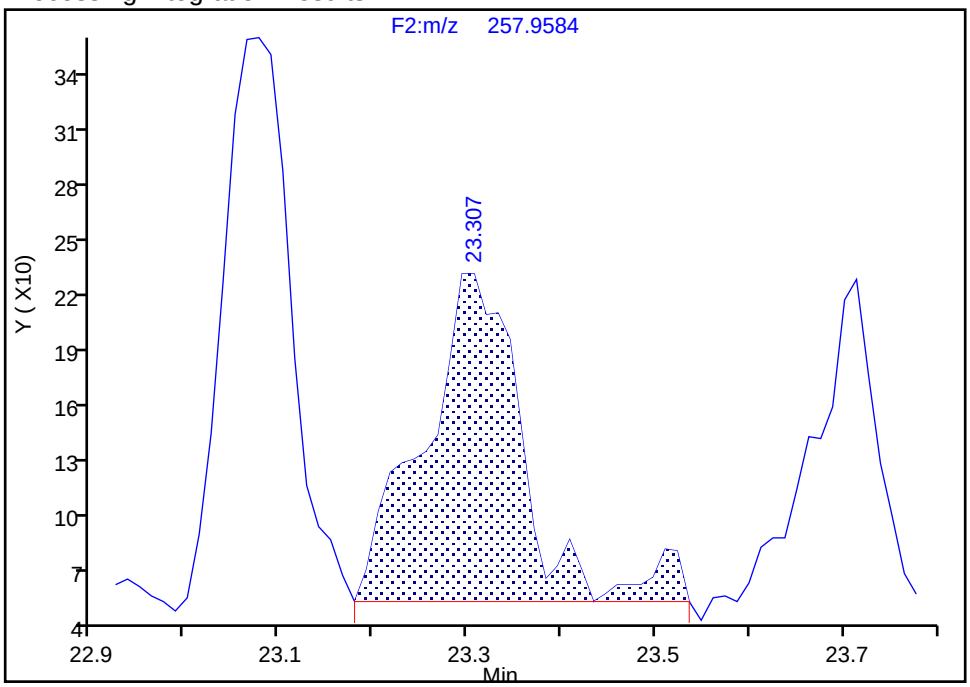
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 2

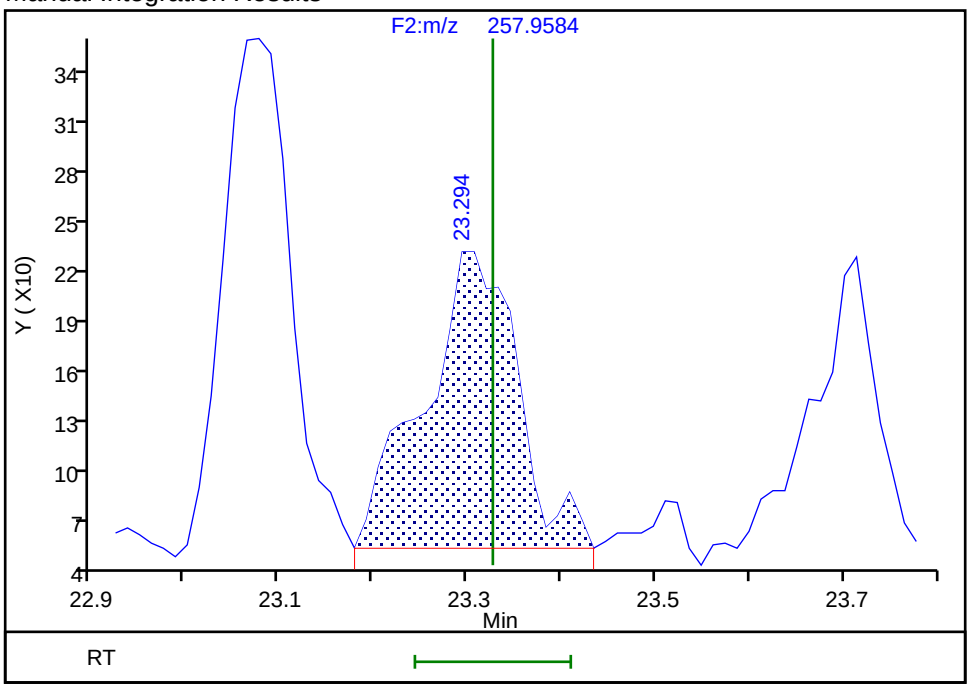
Processing Integration Results

RT: 23.31
Area: 1288
Amount: 0.247006
Amount Units: pg/ul




Manual Integration Results

RT: 23.29
Area: 1213
Amount: 0.260689
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:42:30
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

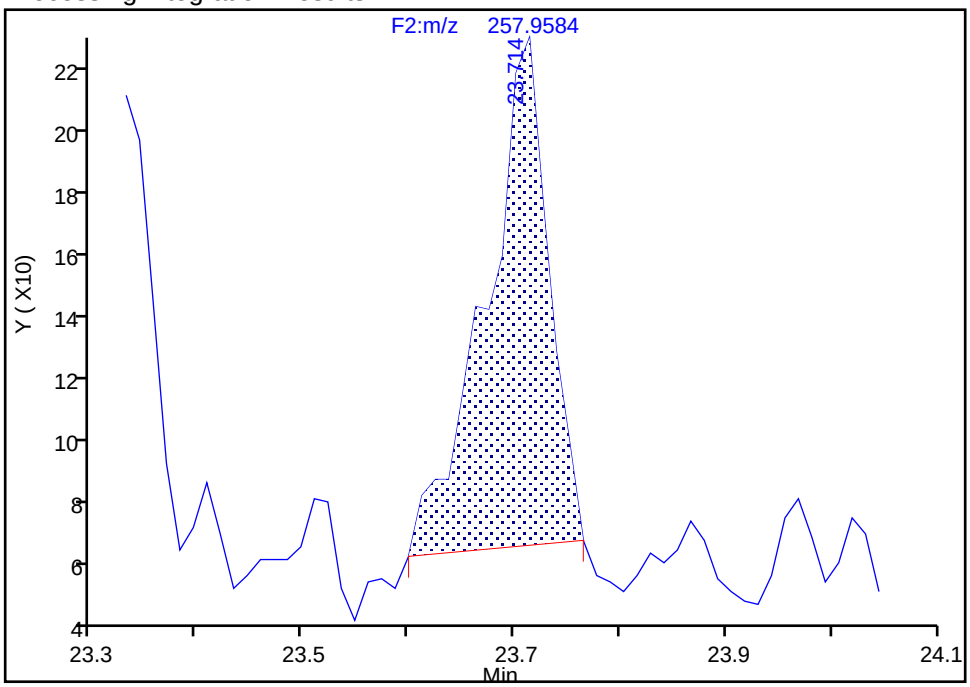
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-22, CAS: 38444-85-8

Signal: 2

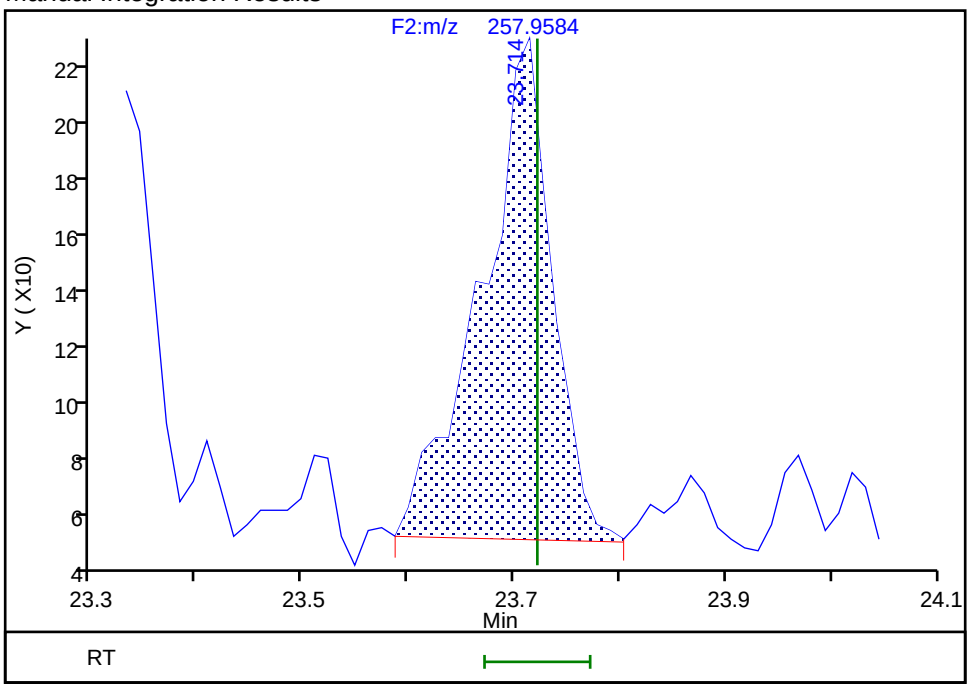
Processing Integration Results

RT: 23.71
Area: 655
Amount: 0.149597
Amount Units: pg/ul




Manual Integration Results

RT: 23.71
Area: 806
Amount: 0.166815
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:42:56

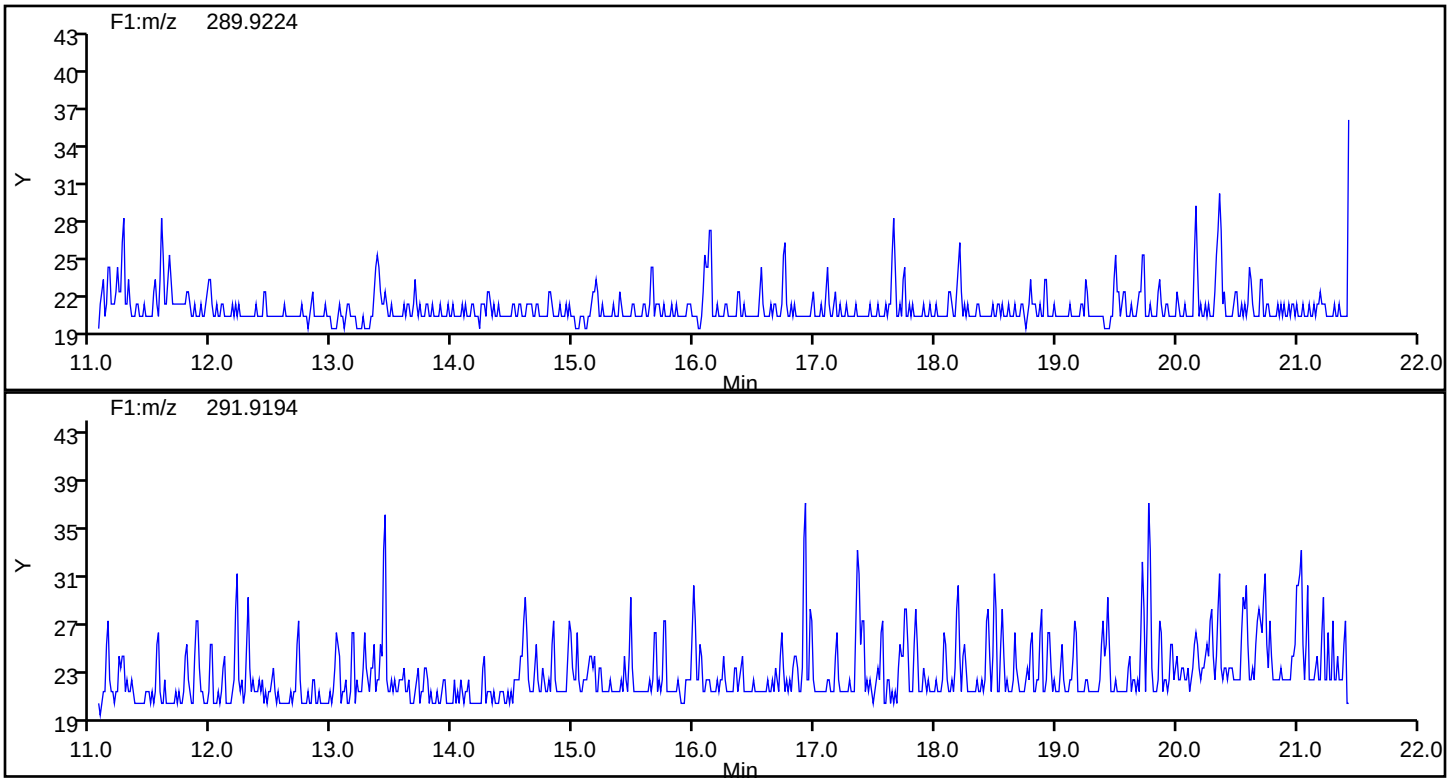
Audit Action: Manually Integrated Audit Reason: Baseline

Report Date: 24-Sep-2019 21:51:20 Chrom Revision: 2.3 17-Sep-2019 16:19:08

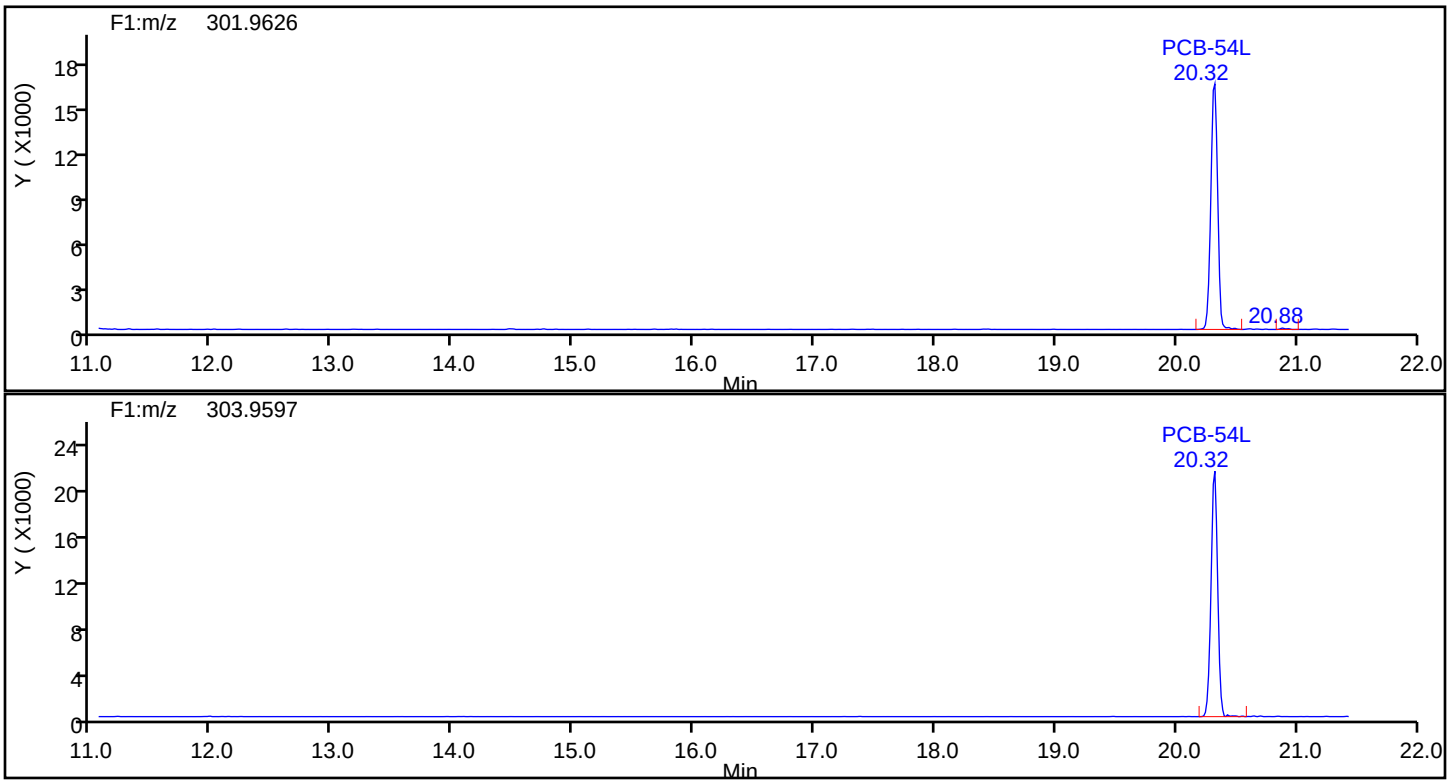
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



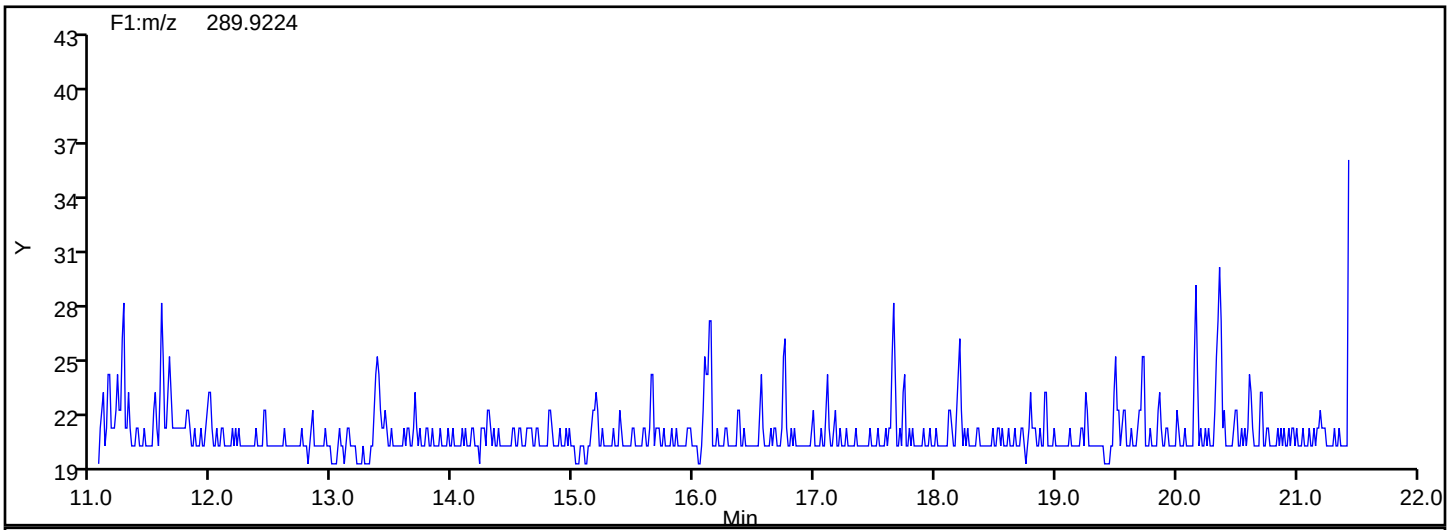

TePCB F1 Standards

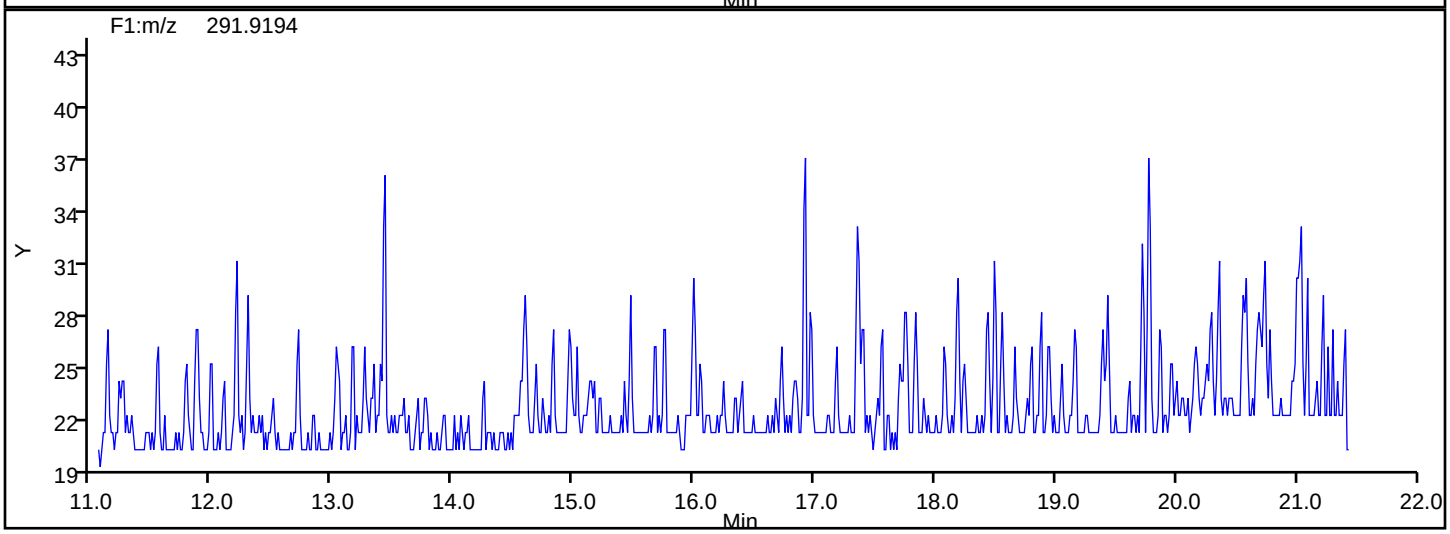


Eurofins TestAmerica, Knoxville

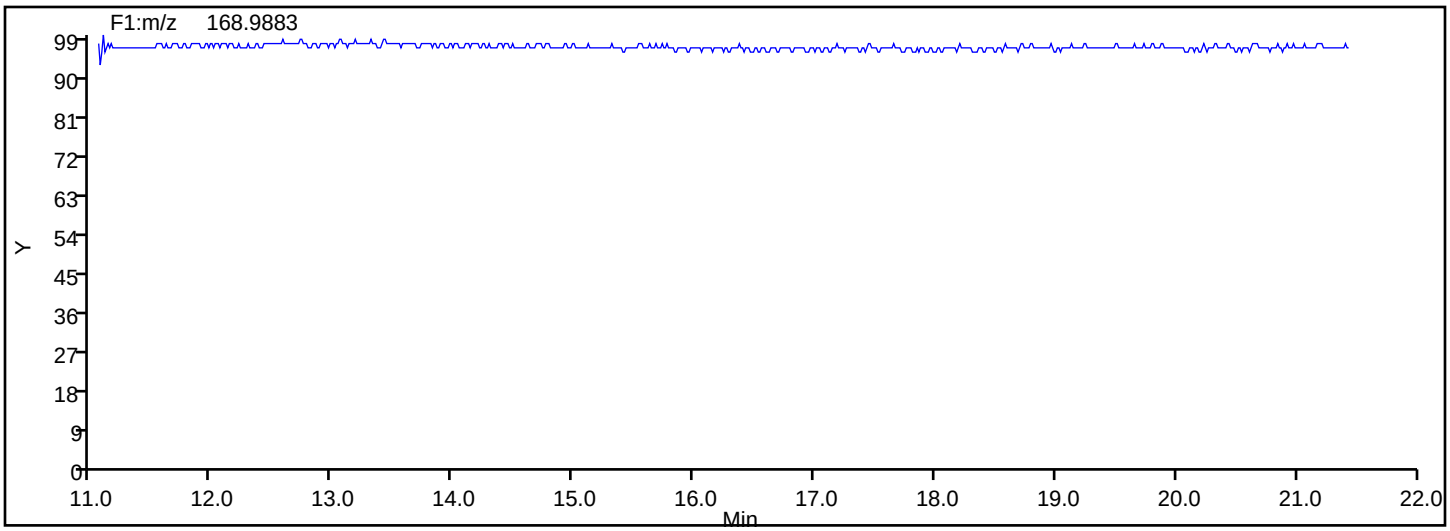
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



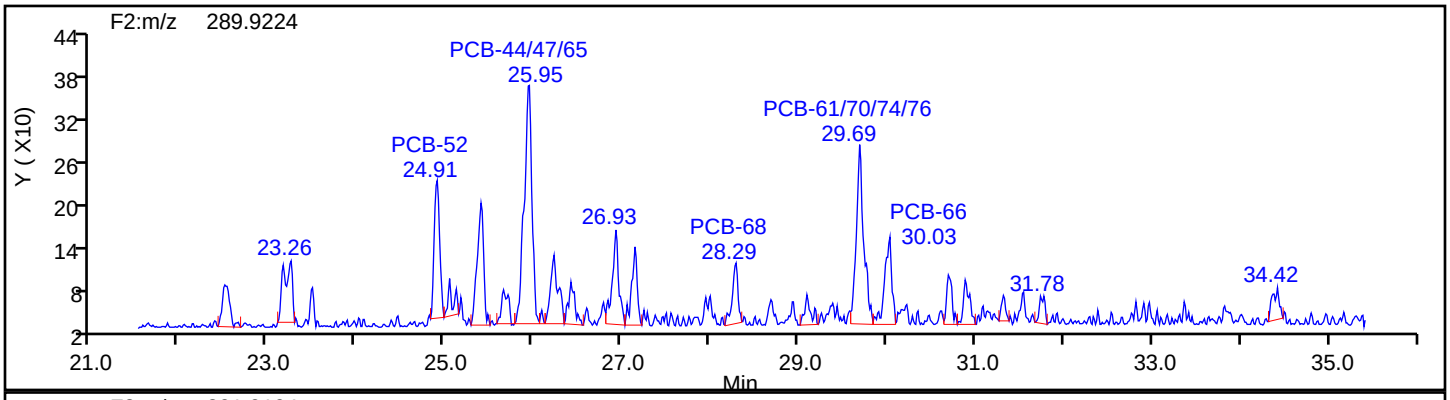

TePCB F1 Lock Mass

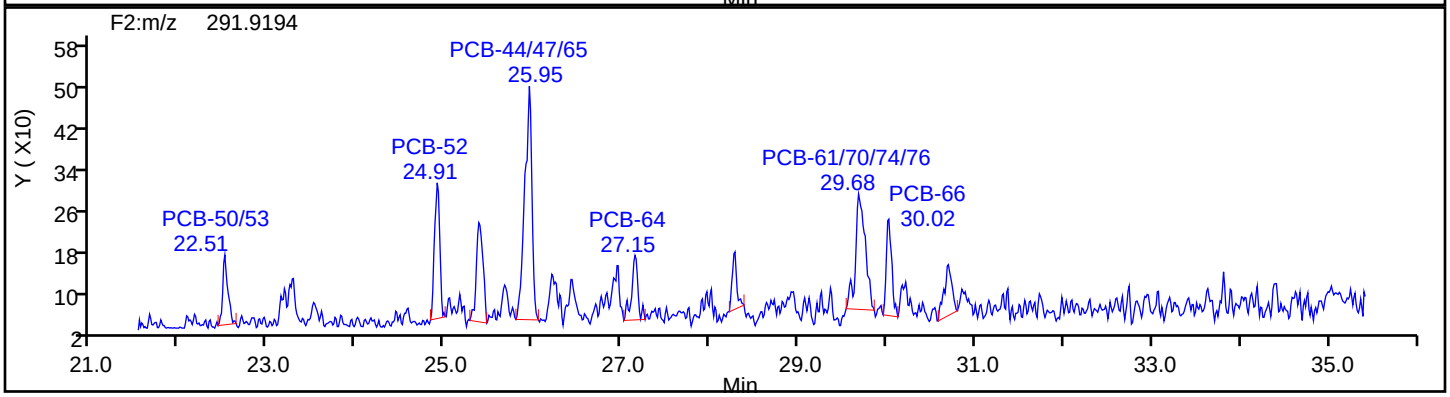


Eurofins TestAmerica, Knoxville

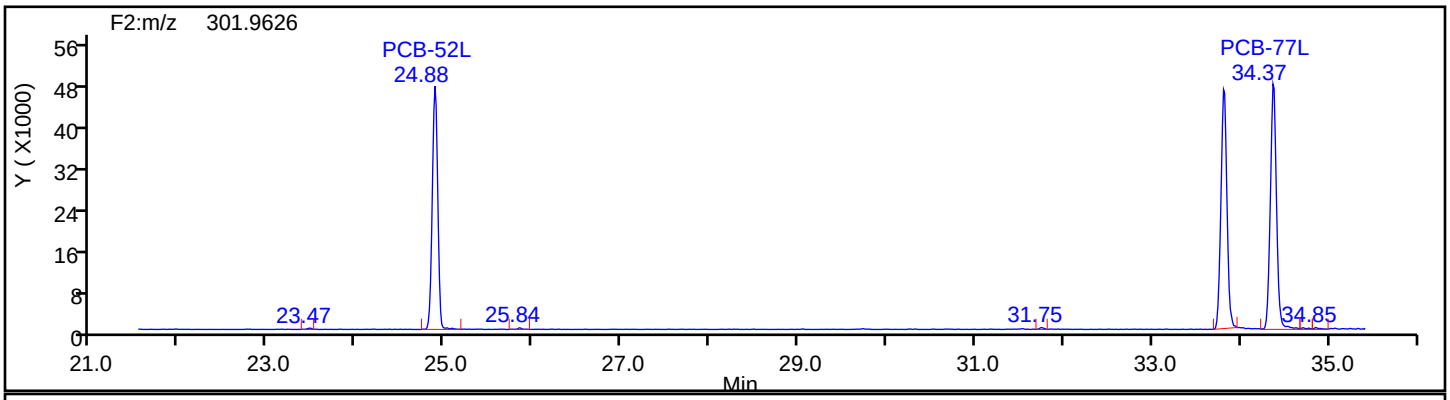
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

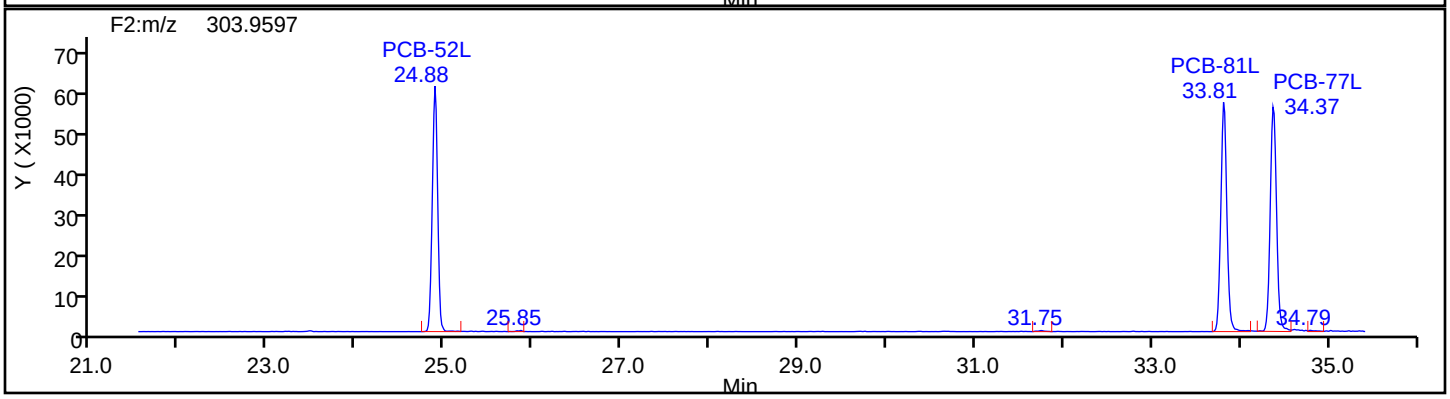
TePCB F2




TePCB F2 Standards

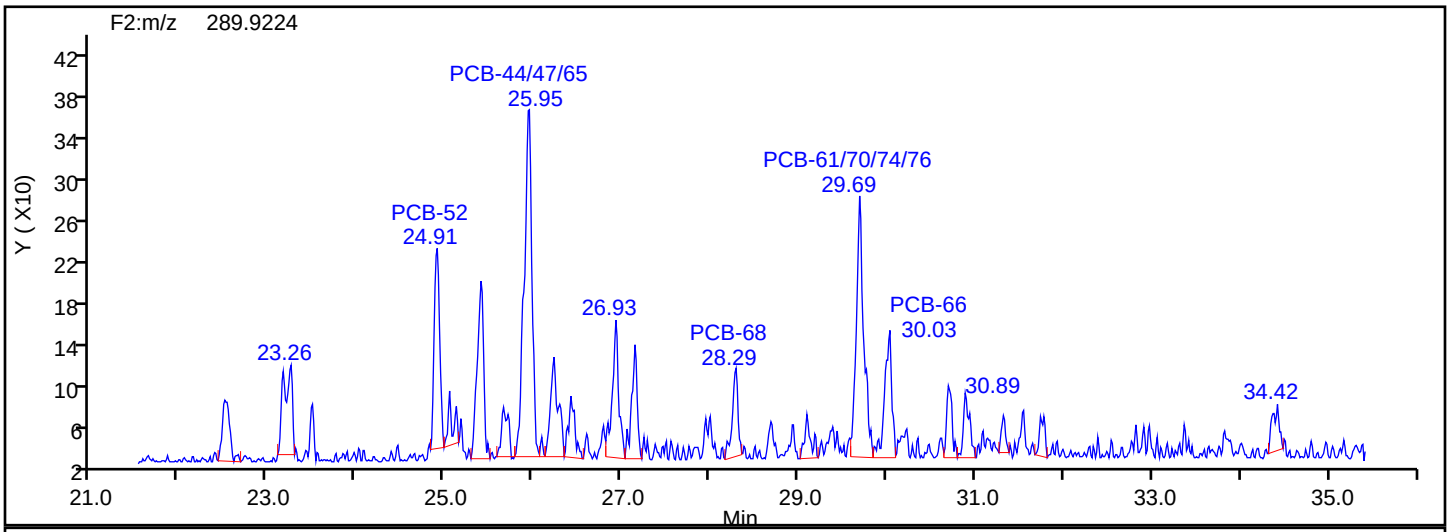


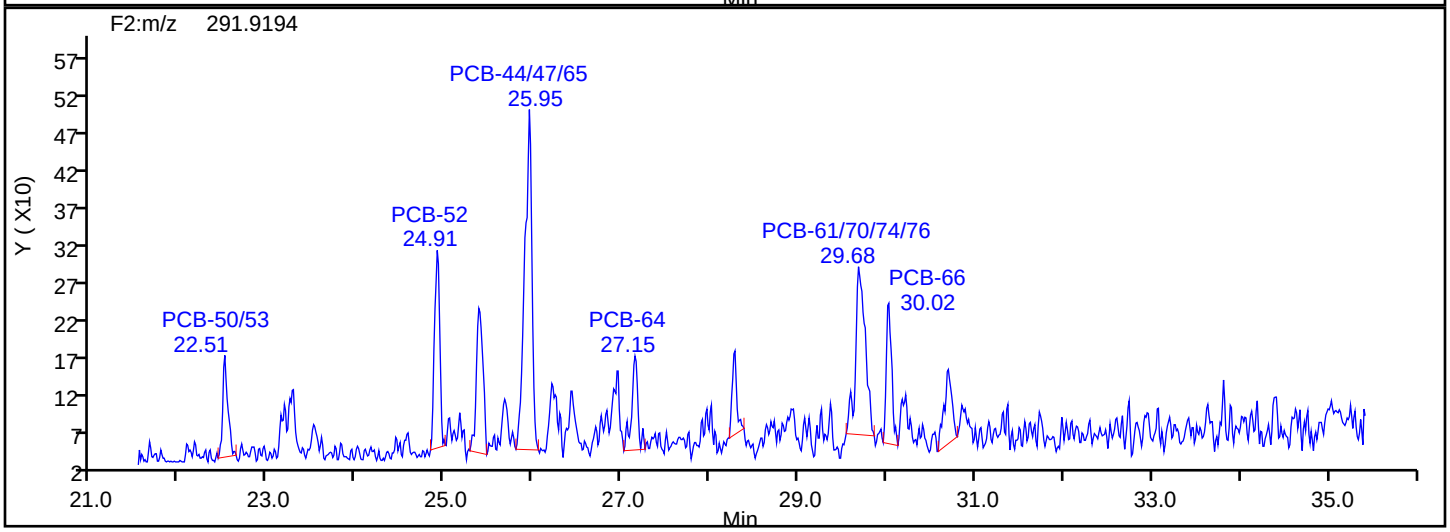



Eurofins TestAmerica, Knoxville

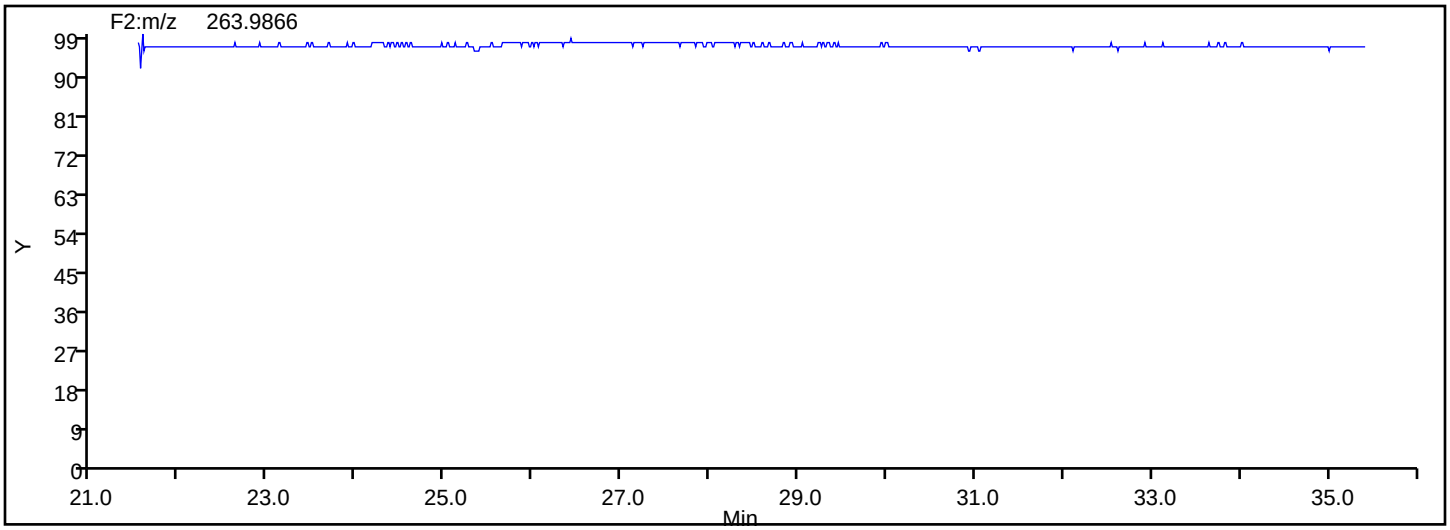
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

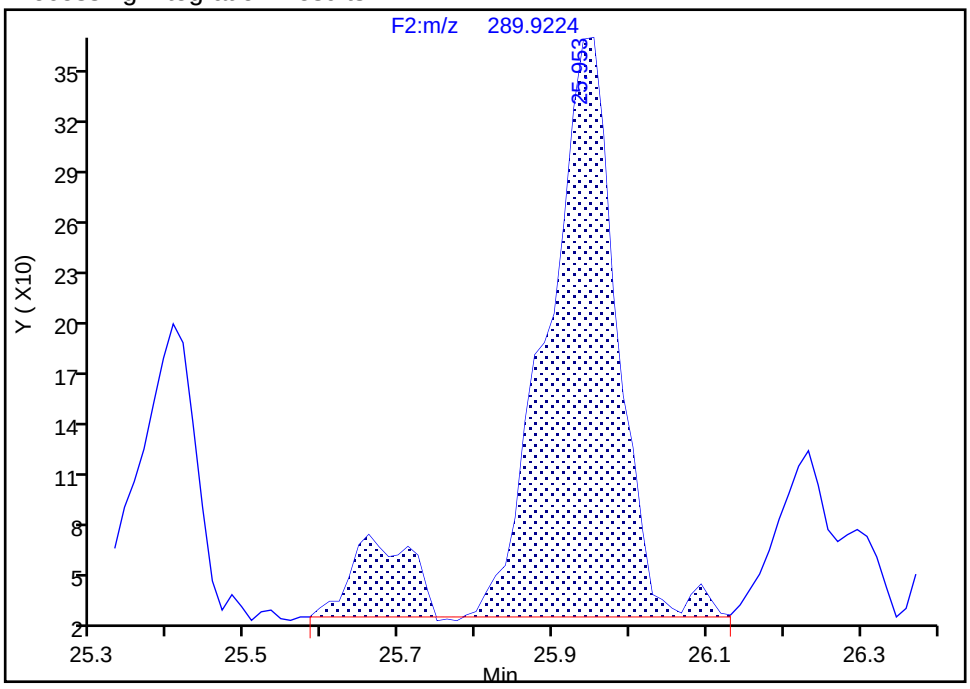
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-44/47/65, CAS: STL01803

Signal: 1

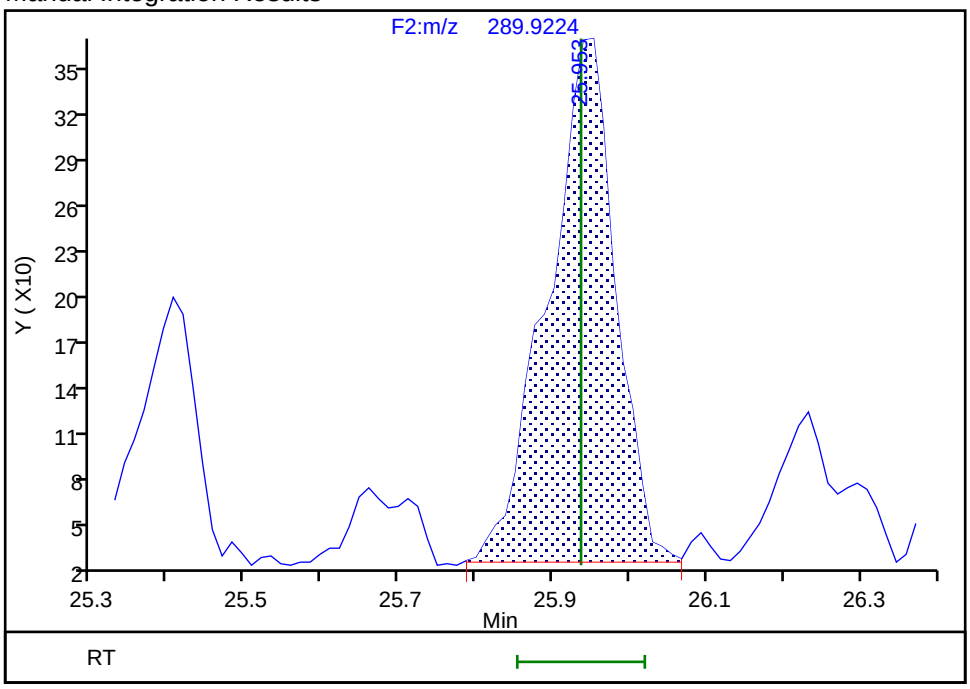
Processing Integration Results

RT: 25.95
Area: 2361
Amount: 0.947747
Amount Units: pg/ul




Manual Integration Results

RT: 25.95
Area: 2070
Amount: 0.891816
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:43:29

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

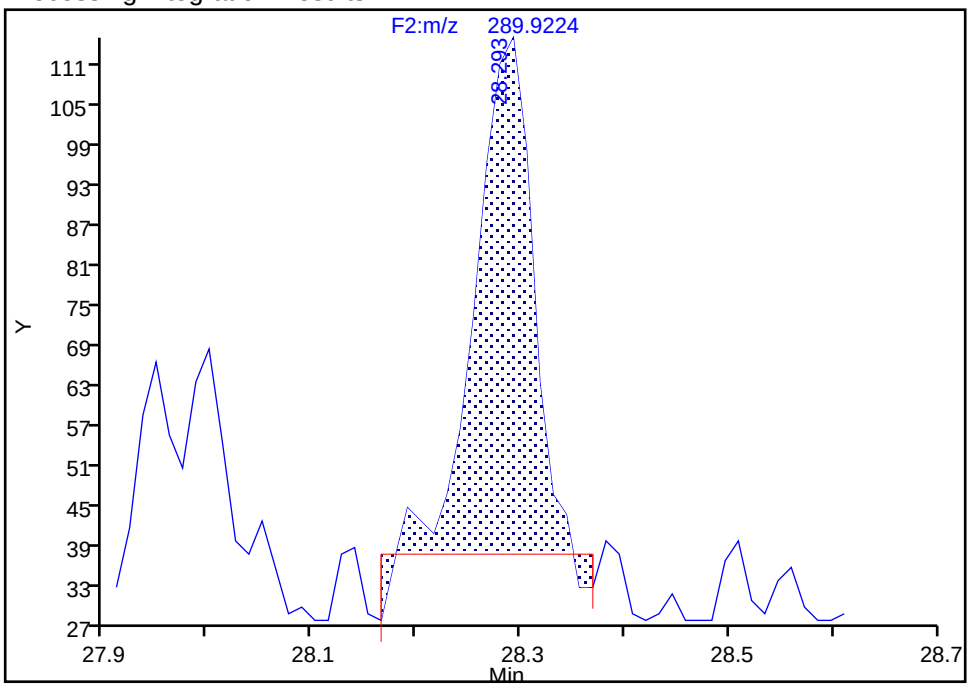
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 1

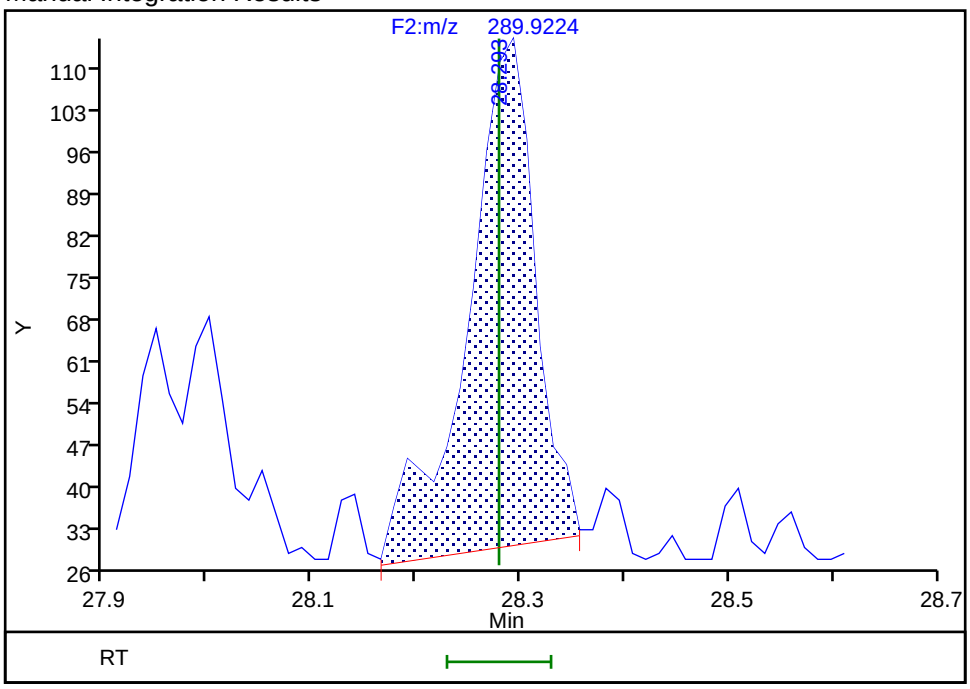
Processing Integration Results

RT: 28.29
Area: 288
Amount: 0.093015
Amount Units: pg/ul




Manual Integration Results

RT: 28.29
Area: 389
Amount: 0.106571
Amount Units: pg/ul



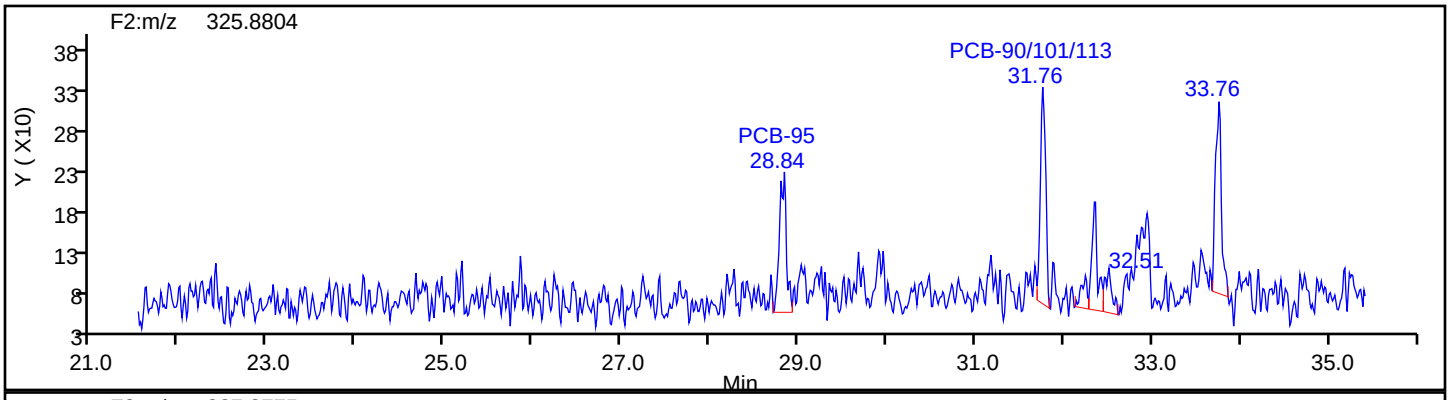

Reviewer: parslyt, 24-Sep-2019 21:43:50

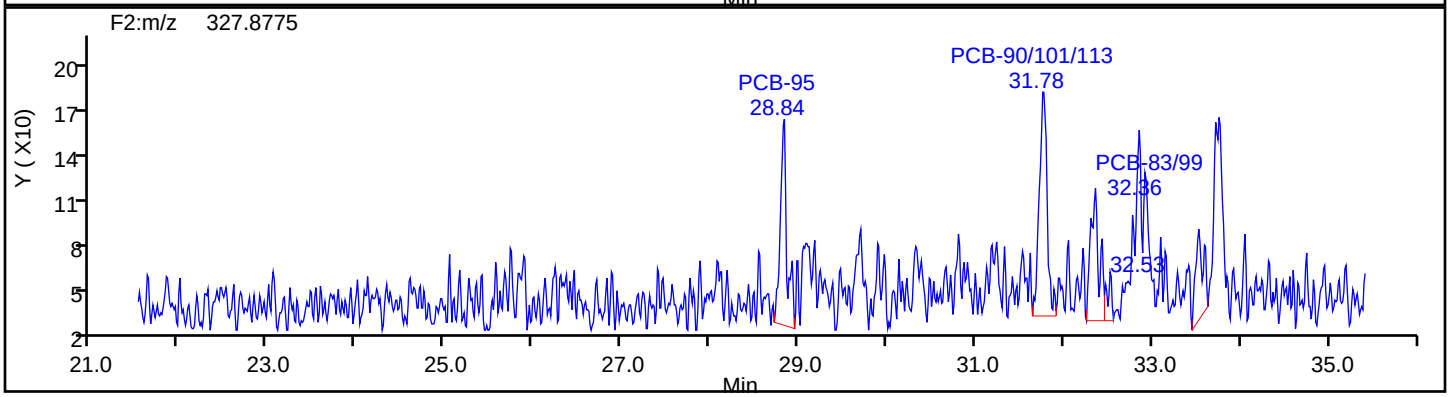
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

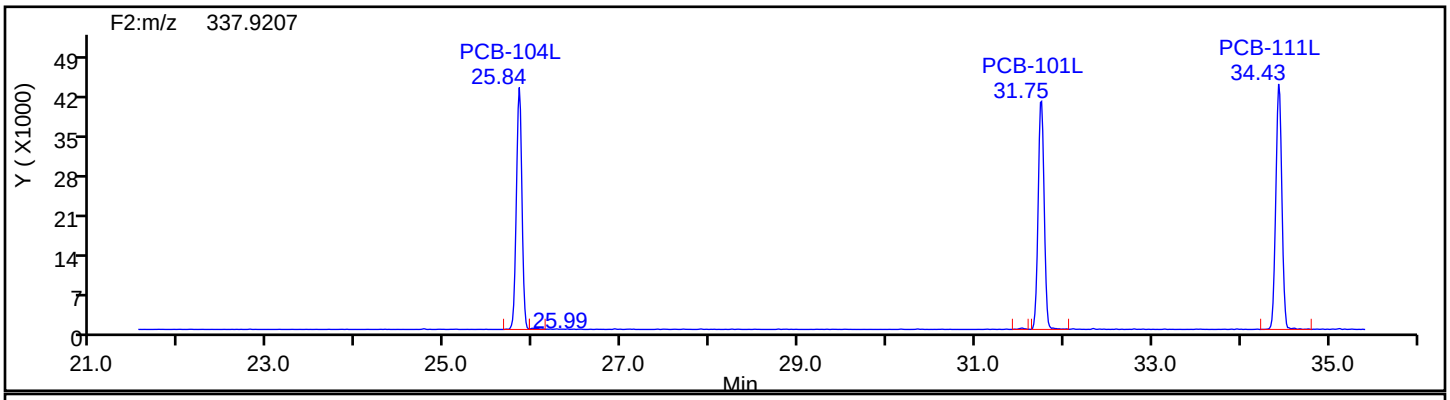
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

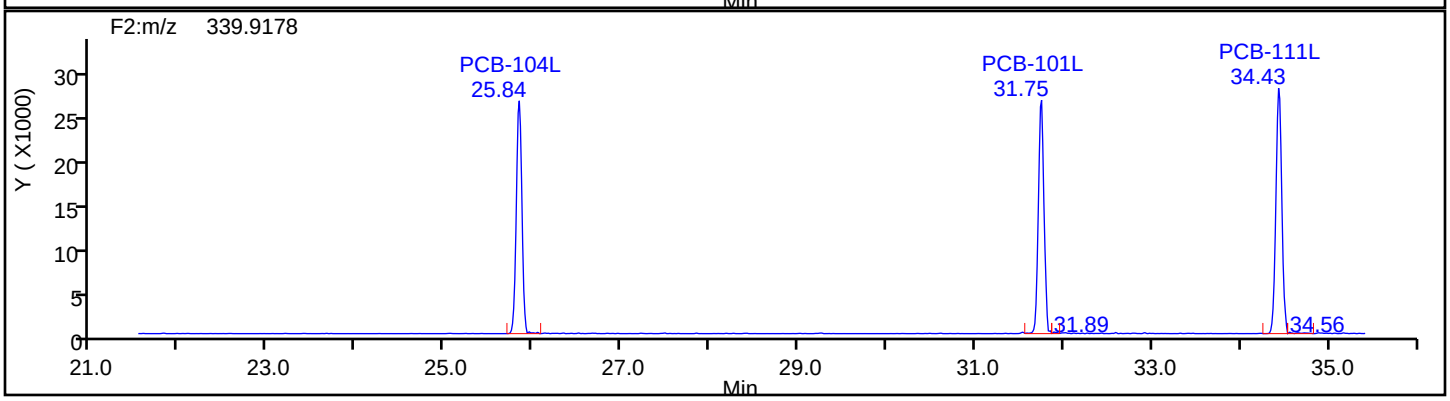
PePCB F2




PePCB F2 Standards

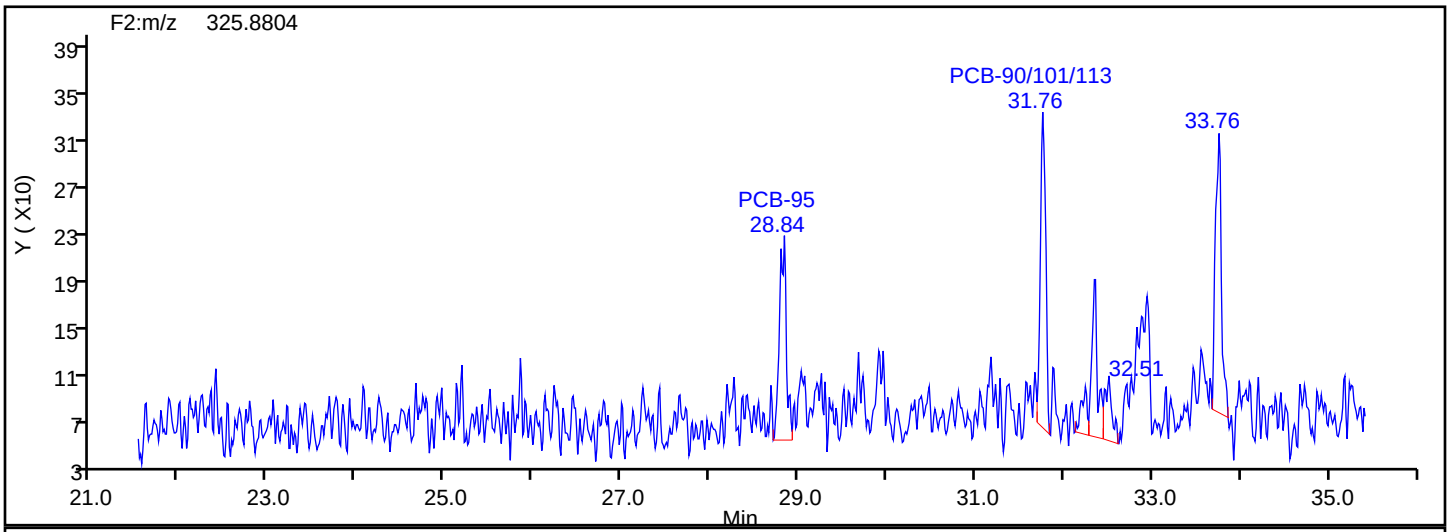


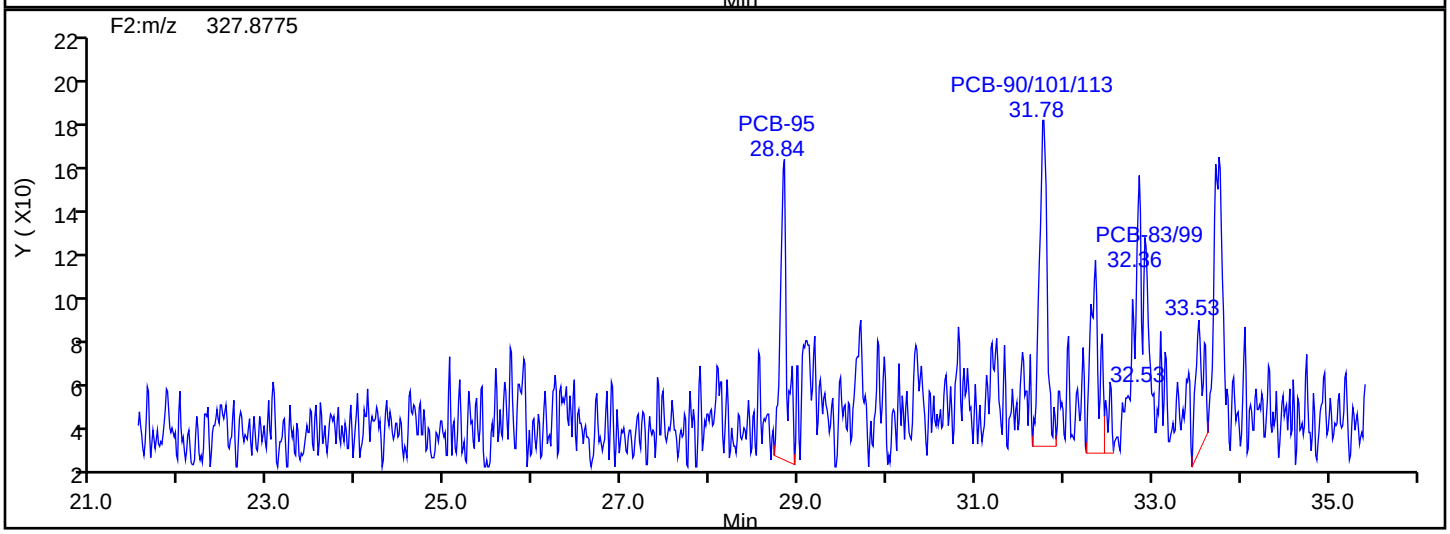



Eurofins TestAmerica, Knoxville

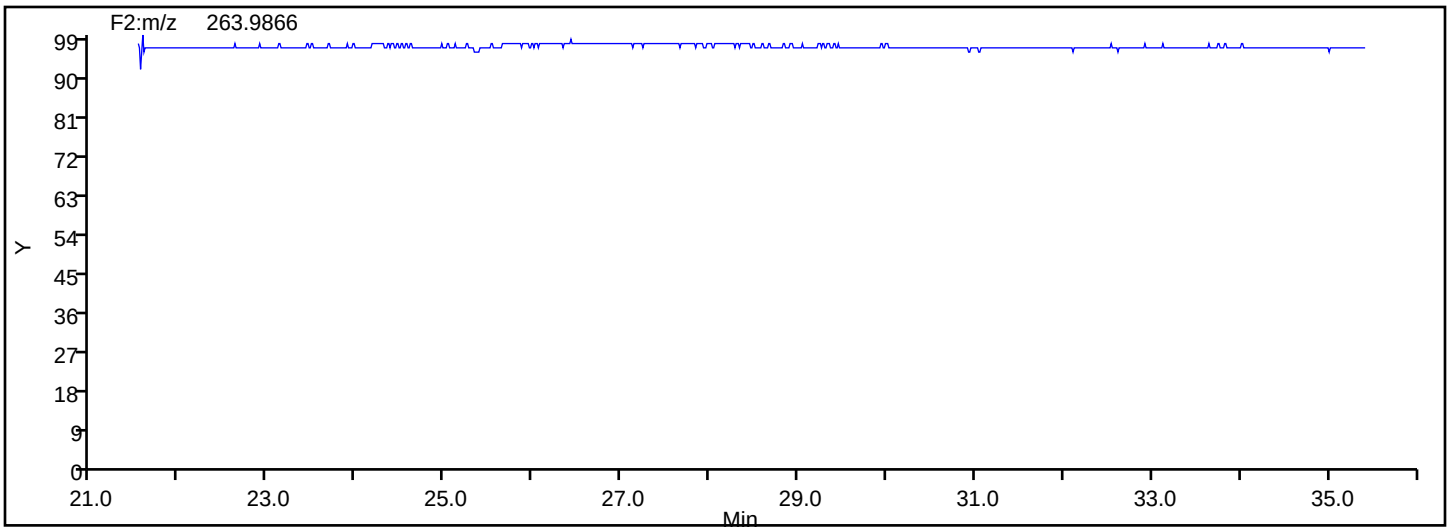
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

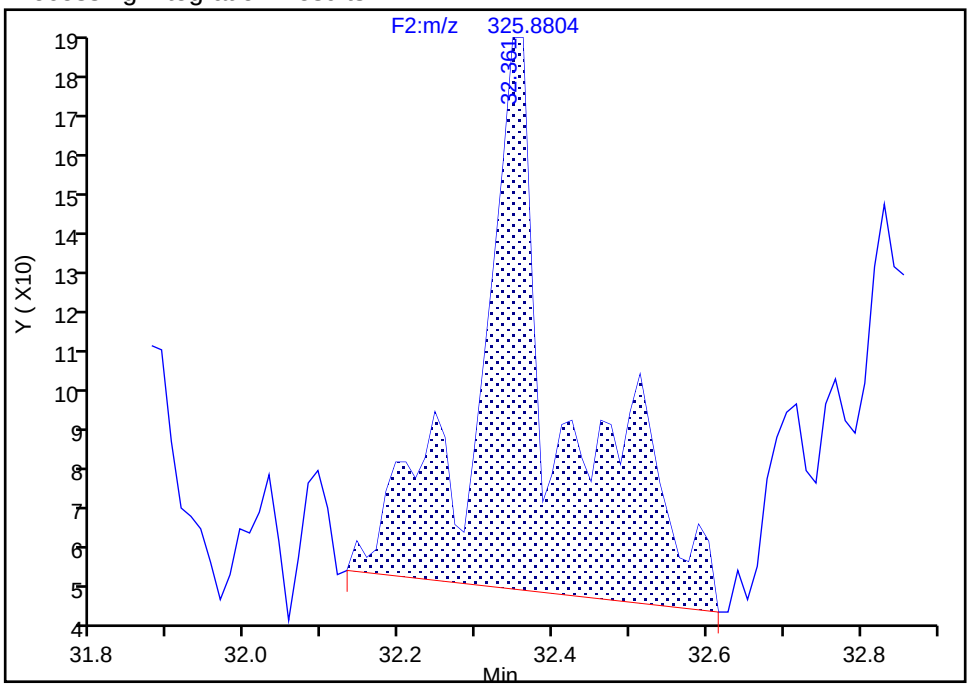
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

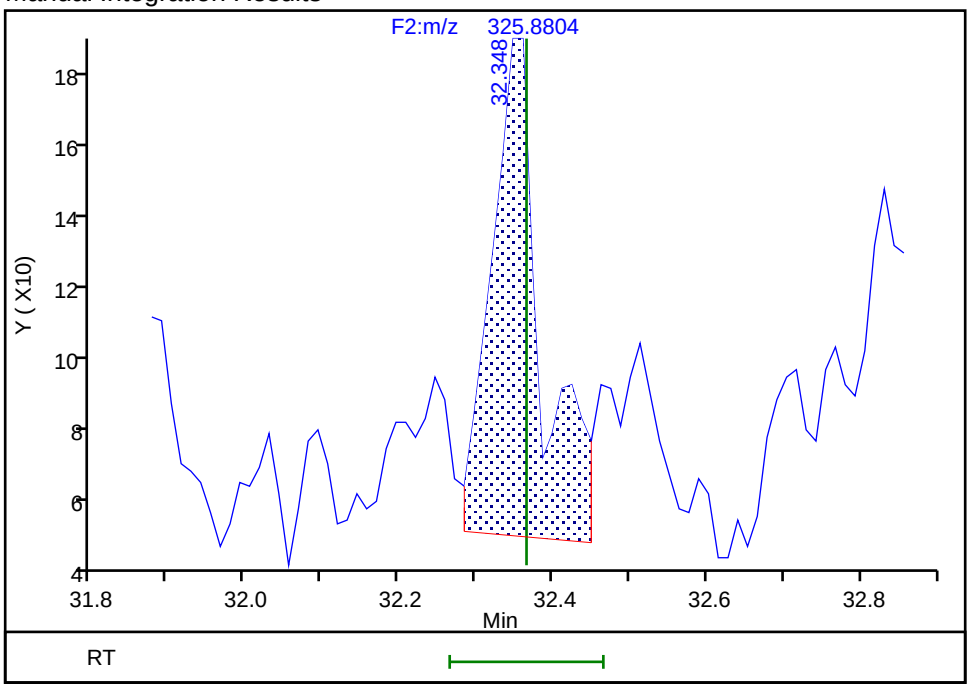
Processing Integration Results

RT: 32.36
Area: 1074
Amount: 0.604629
Amount Units: pg/ul




Manual Integration Results

RT: 32.35
Area: 595
Amount: 0.399605
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:44:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

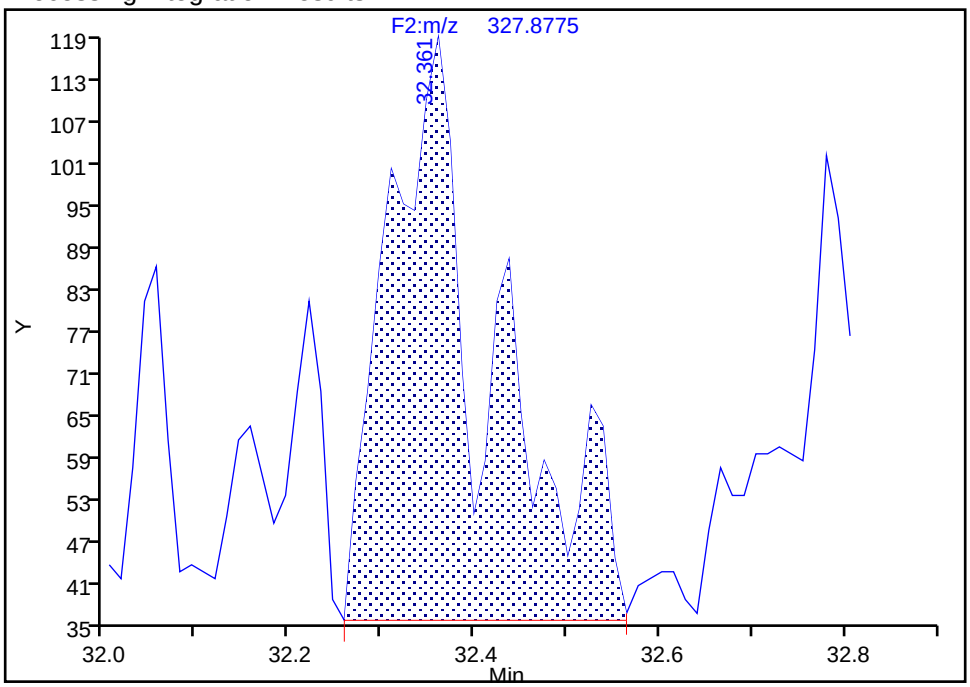
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

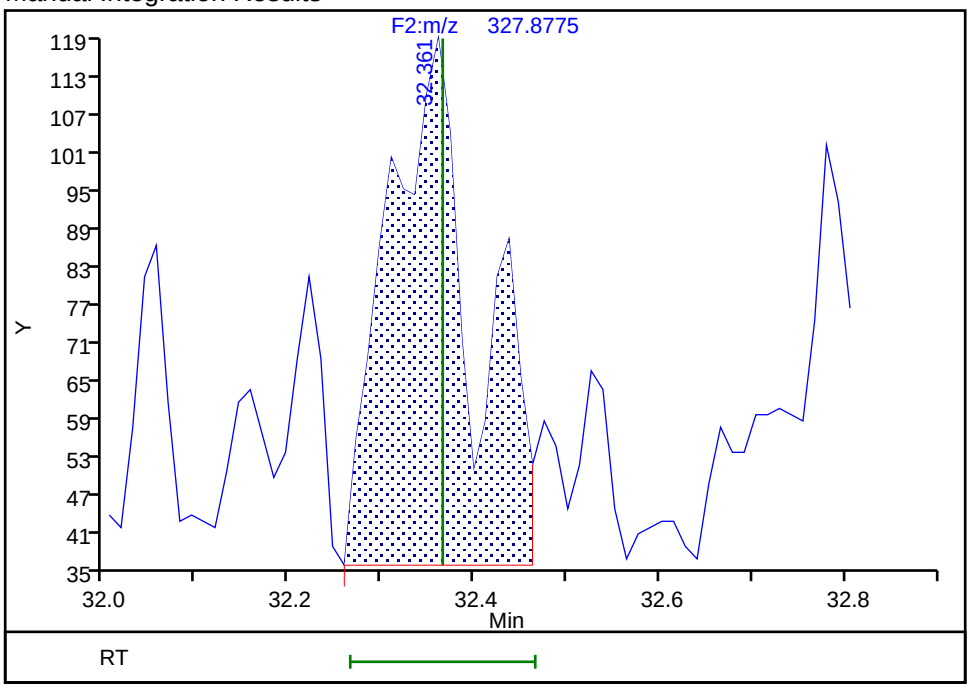
Processing Integration Results

RT: 32.36
Area: 663
Amount: 0.604629
Amount Units: pg/ul




Manual Integration Results

RT: 32.36
Area: 553
Amount: 0.399605
Amount Units: pg/ul

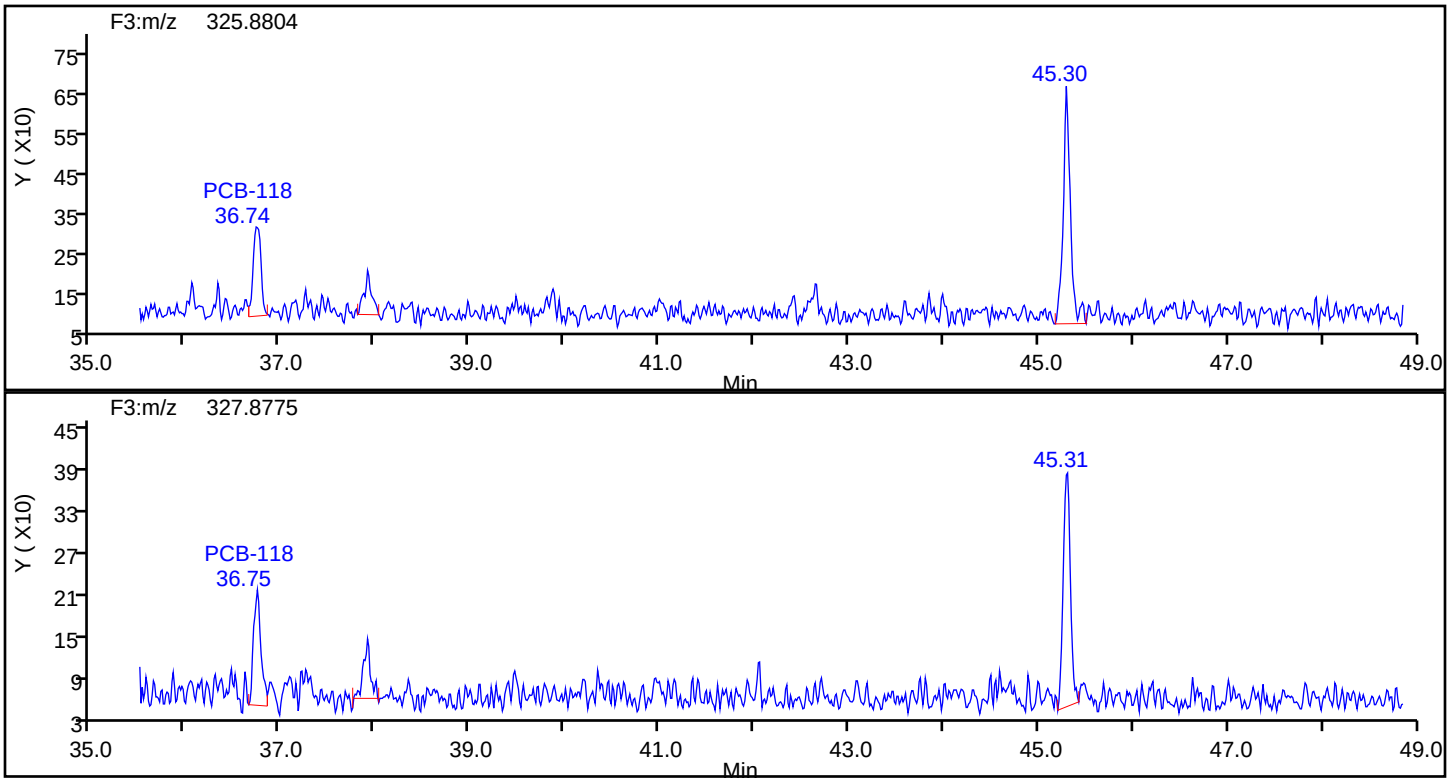



Reviewer: parslyt, 24-Sep-2019 21:44:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

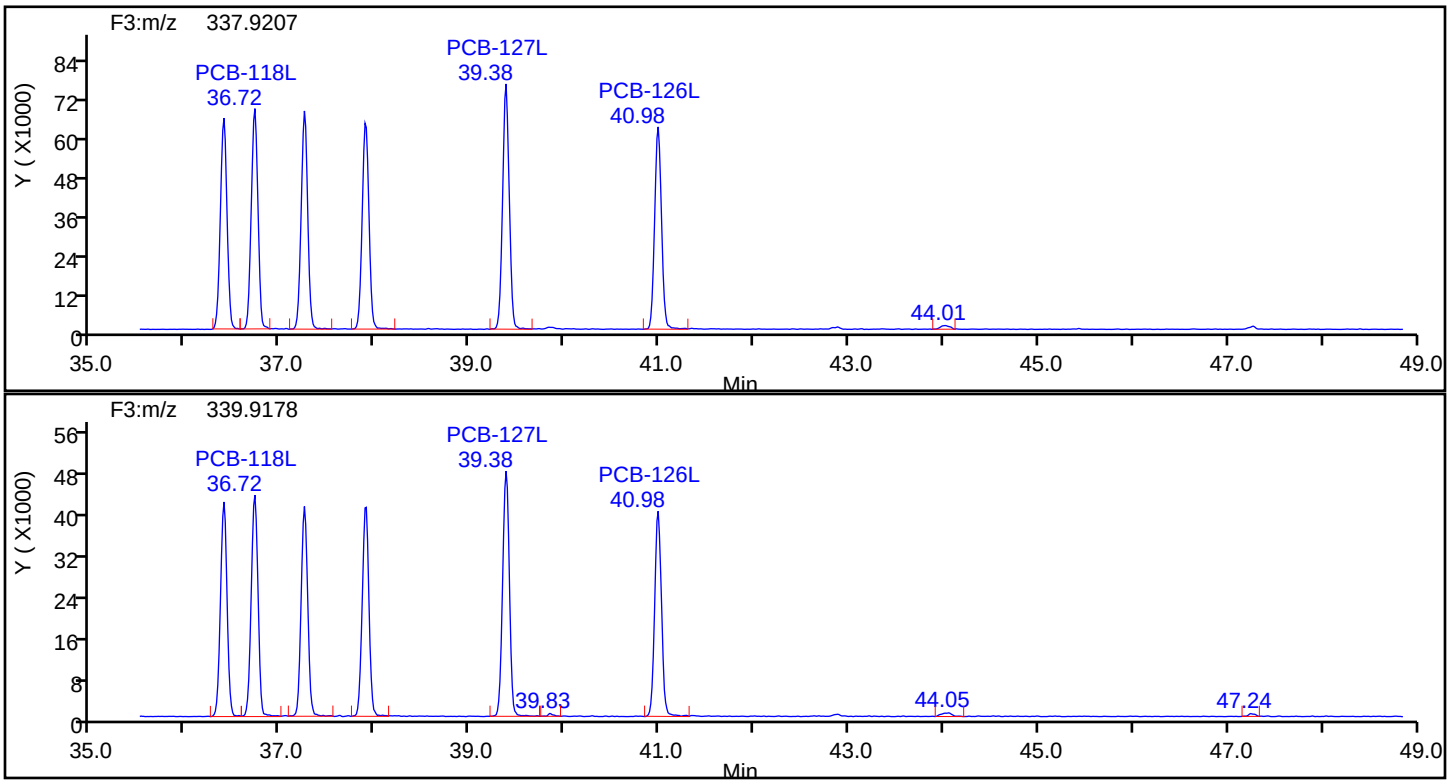
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



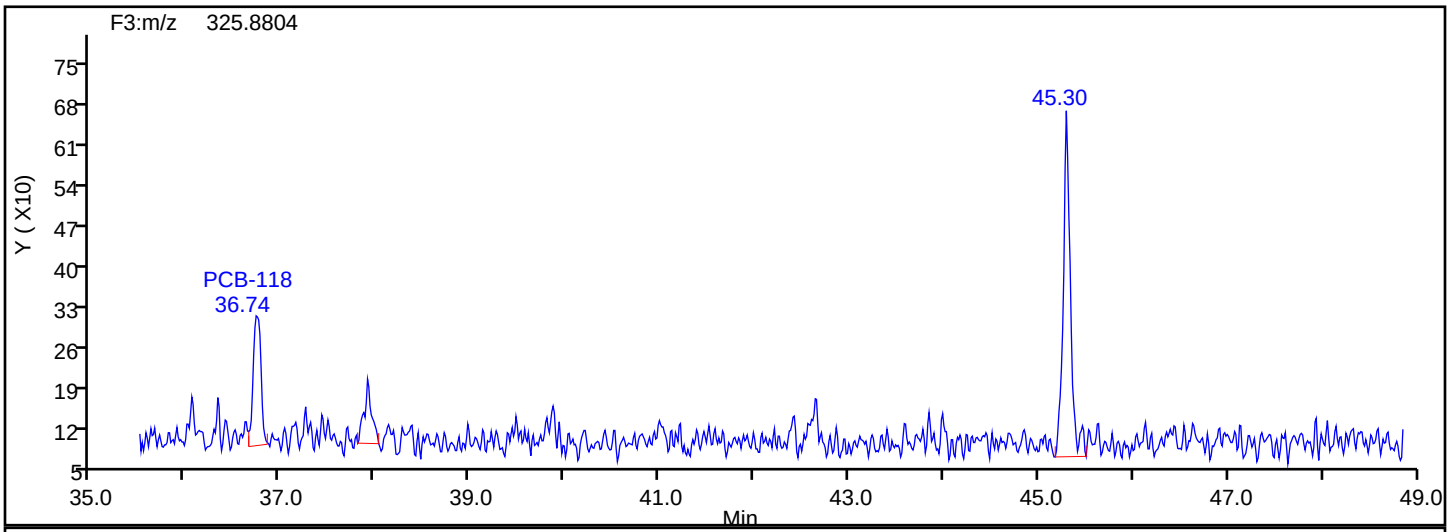

PePCB F3 Standards

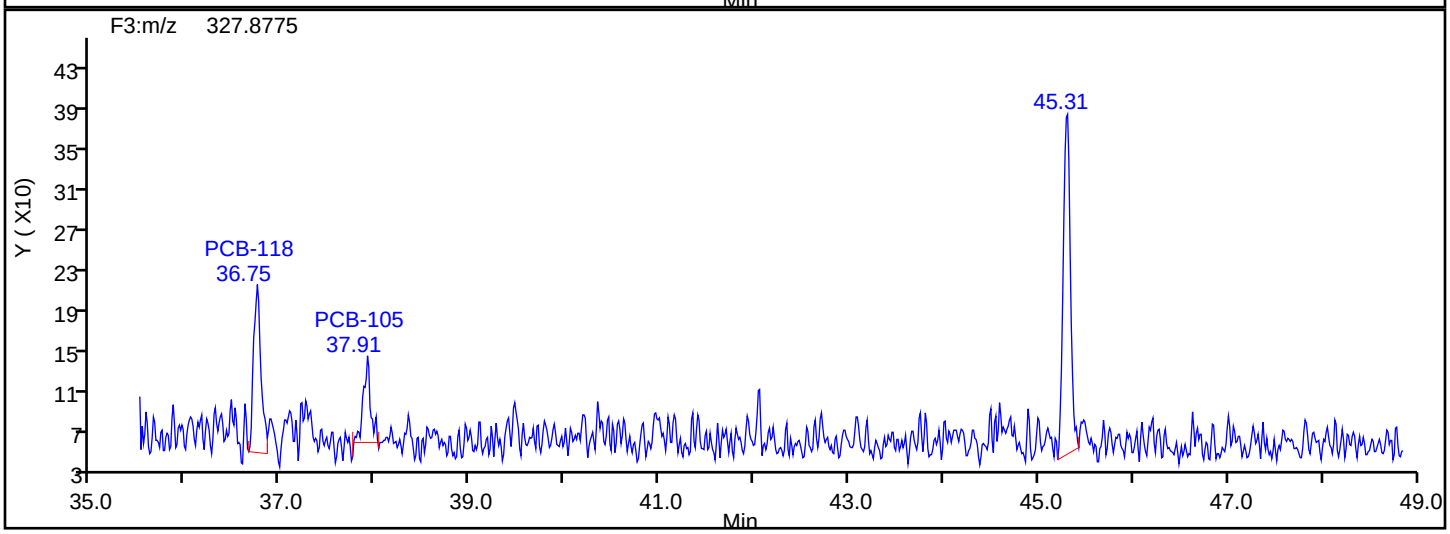


Eurofins TestAmerica, Knoxville

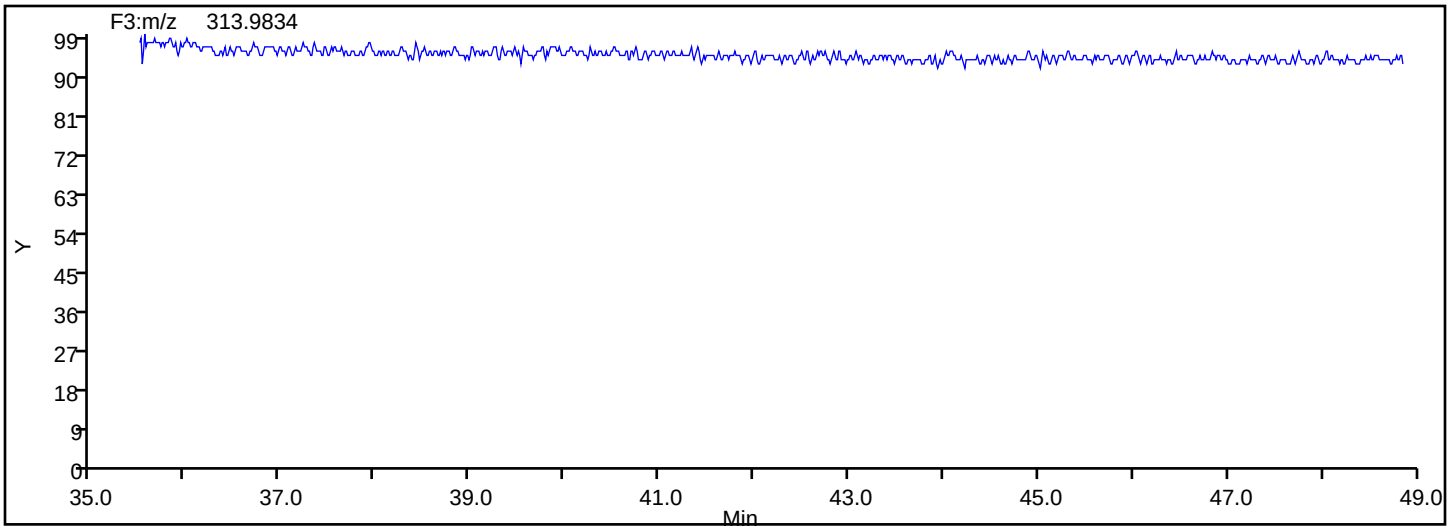
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

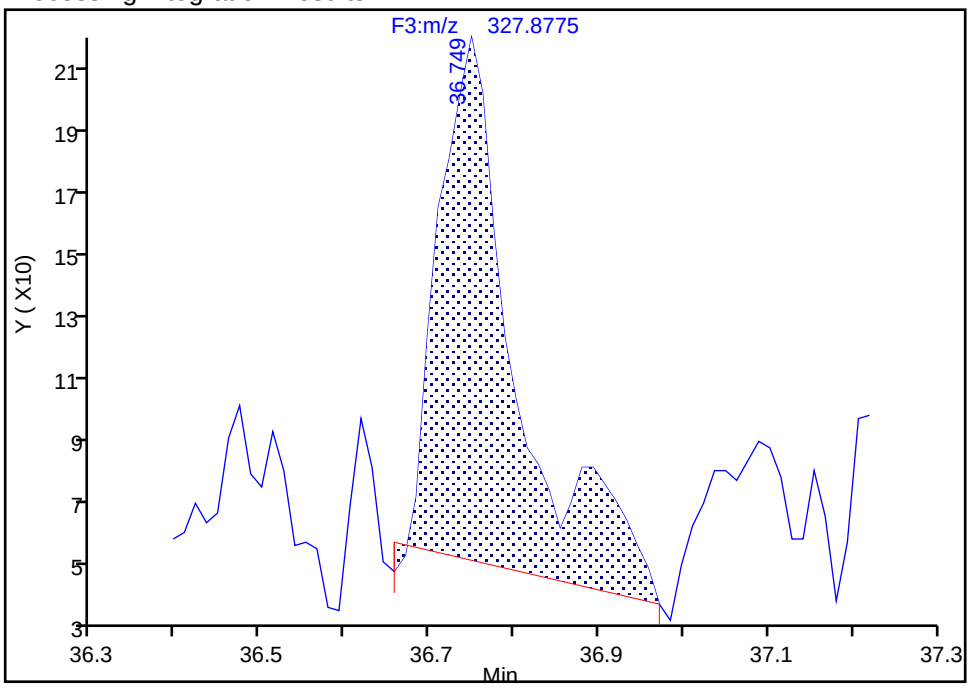
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118, CAS: 31508-00-6

Signal: 2

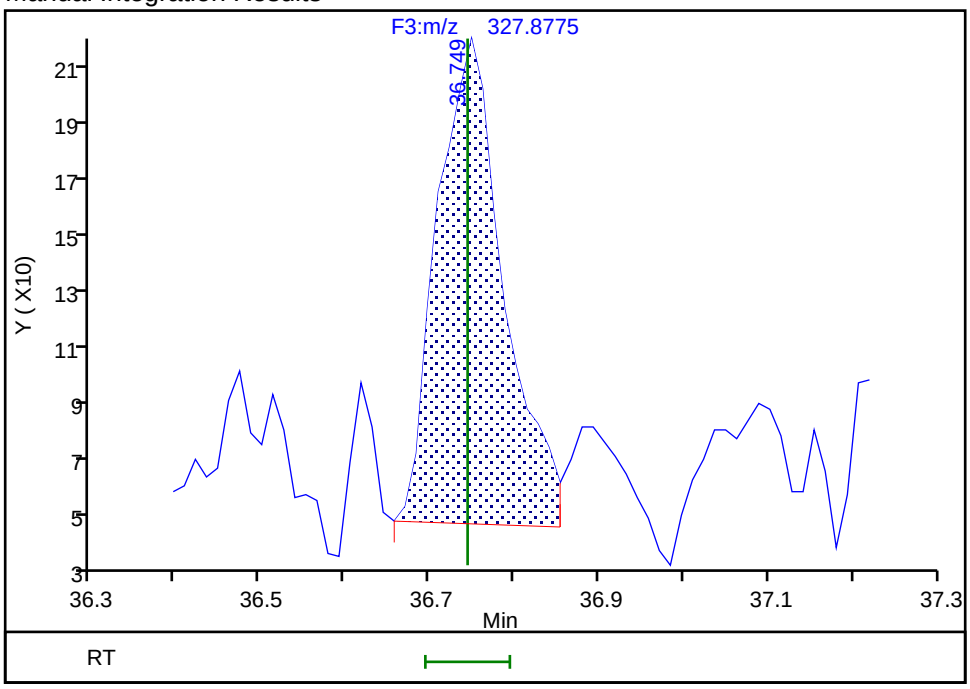
Processing Integration Results

RT: 36.75
Area: 1021
Amount: 0.338432
Amount Units: pg/ul




Manual Integration Results

RT: 36.75
Area: 898
Amount: 0.308918
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:45:17
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

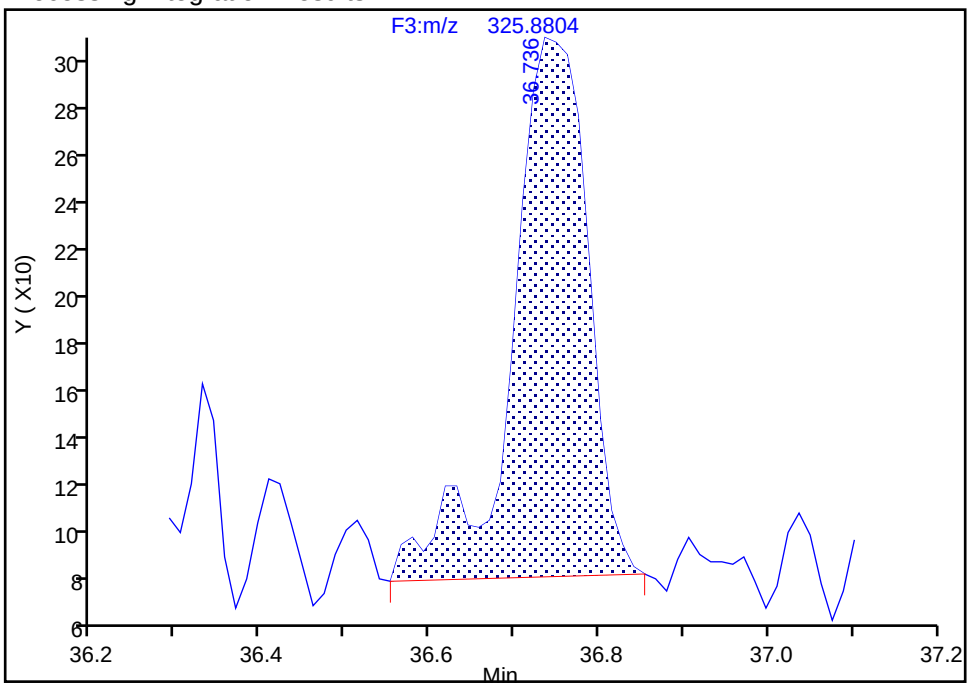
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-118, CAS: 31508-00-6

Signal: 1

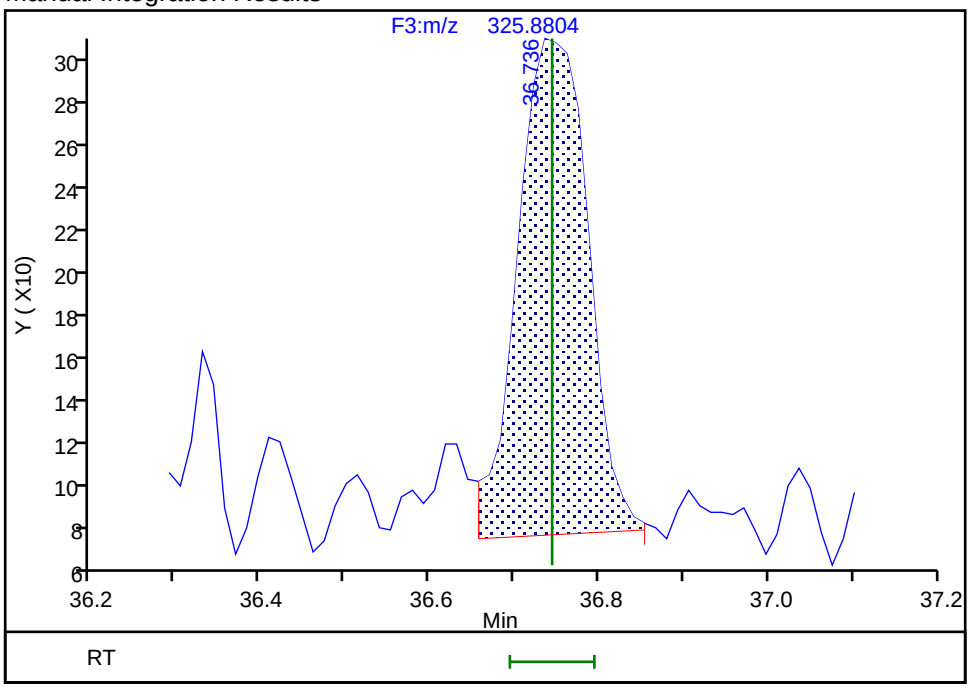
Processing Integration Results

RT: 36.74
Area: 1387
Amount: 0.338432
Amount Units: pg/ul




Manual Integration Results

RT: 36.74
Area: 1300
Amount: 0.308918
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:45:25

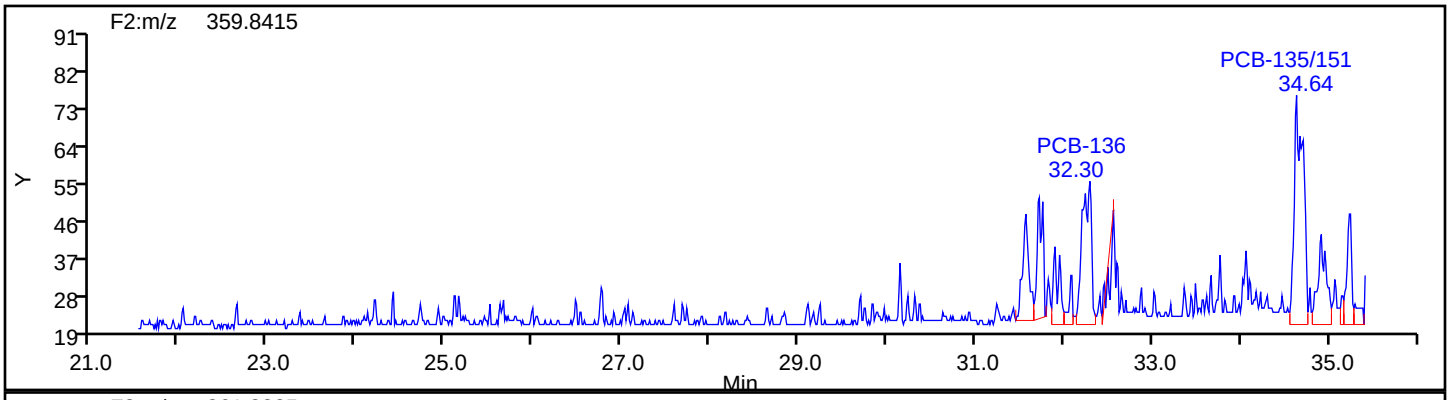
Audit Action: Manually Integrated Audit Reason: Split Peak

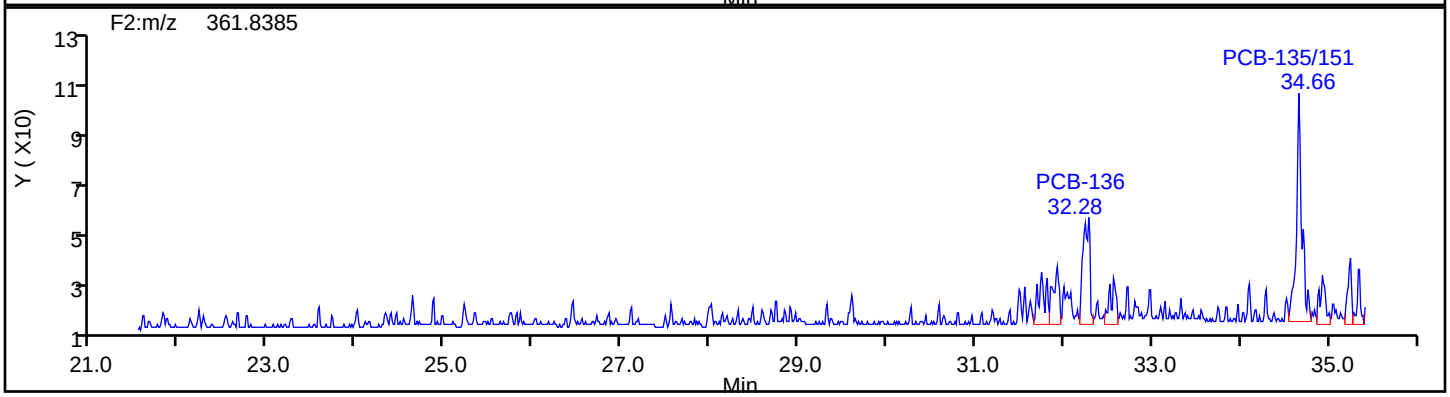
Report Date: 24-Sep-2019 21:51:21 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

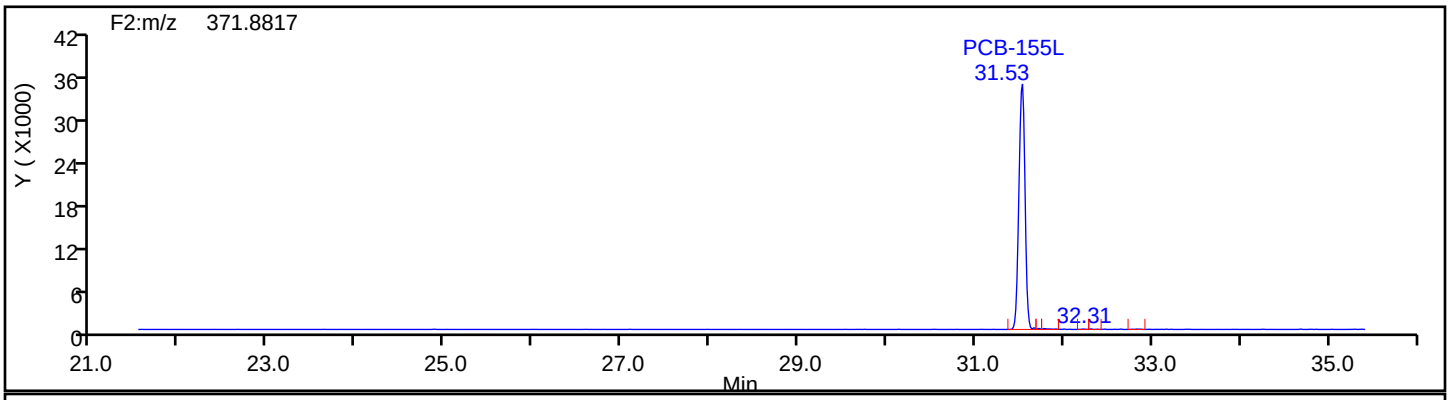
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

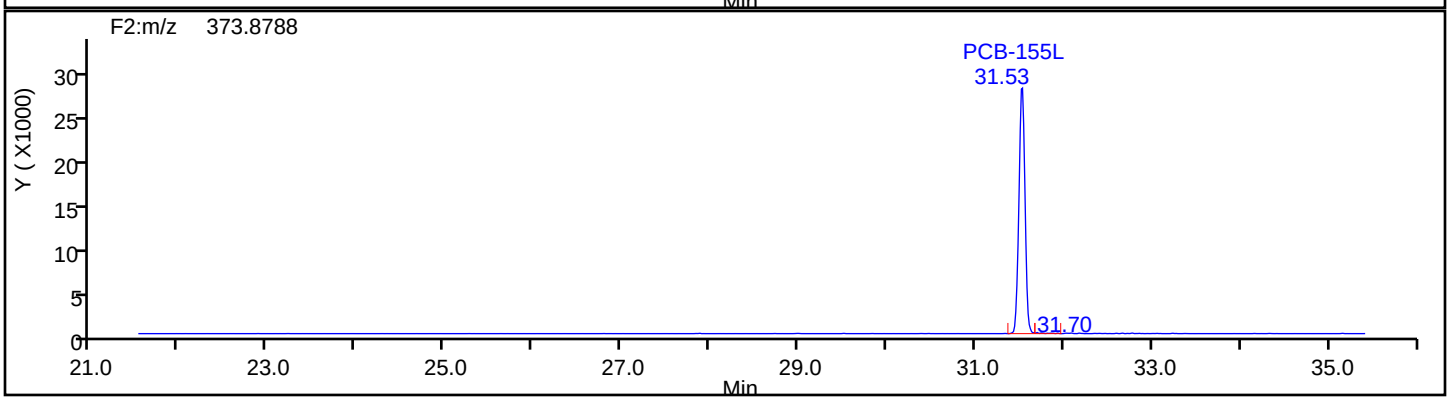
HxPCB F2




HxPCB F2 Standards

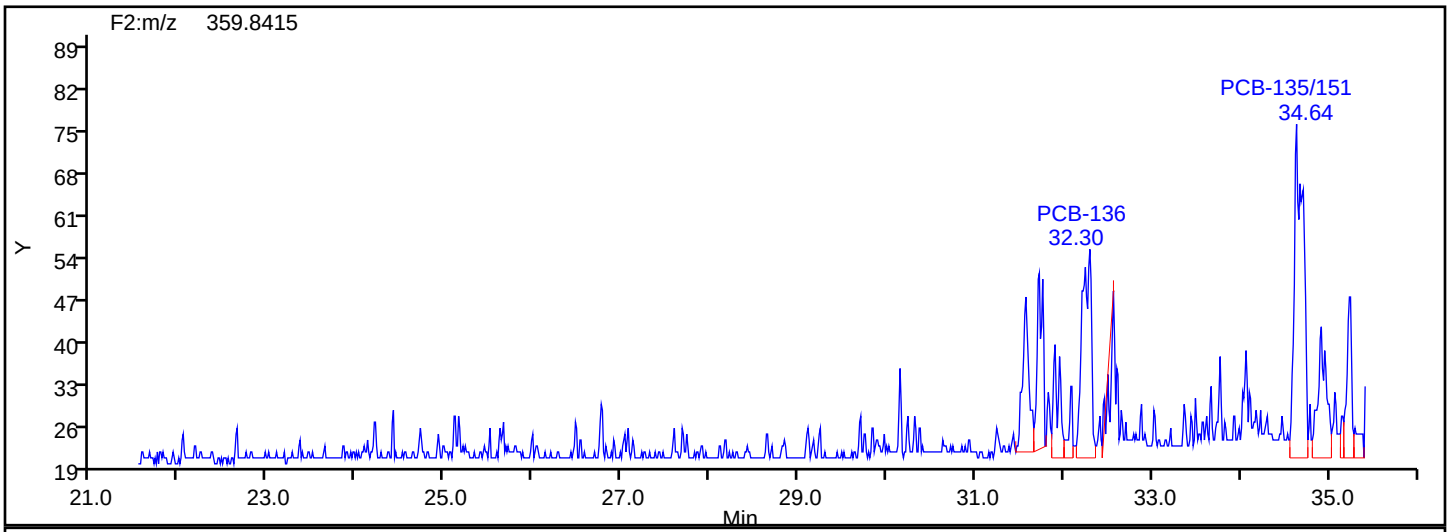


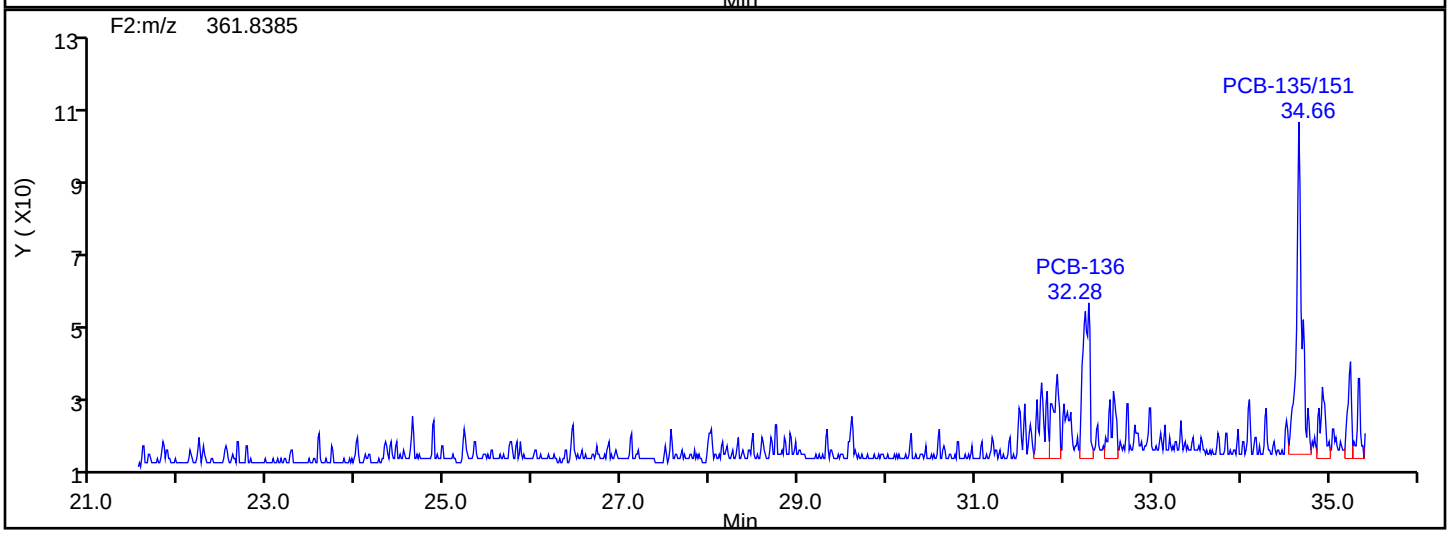



Eurofins TestAmerica, Knoxville

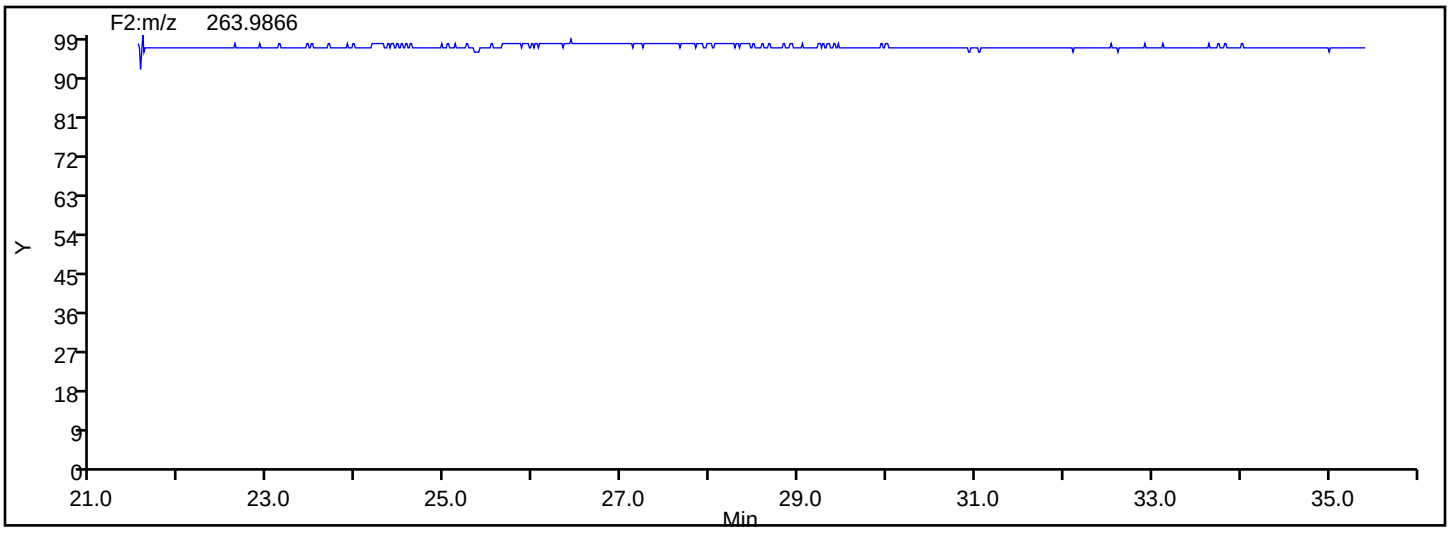
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

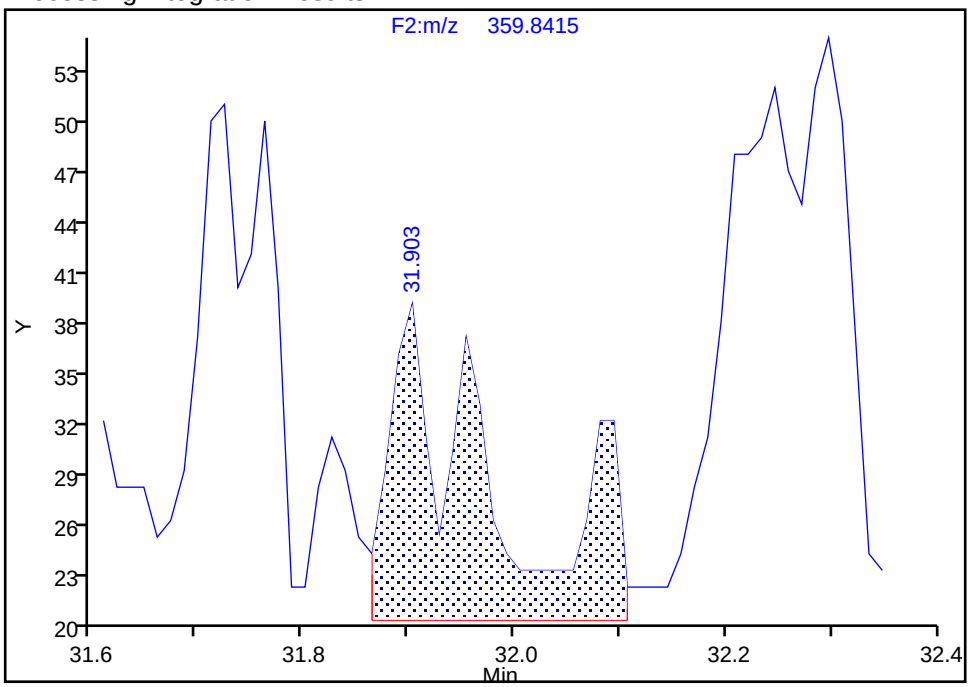
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-150, CAS: 68194-08-1

Signal: 1

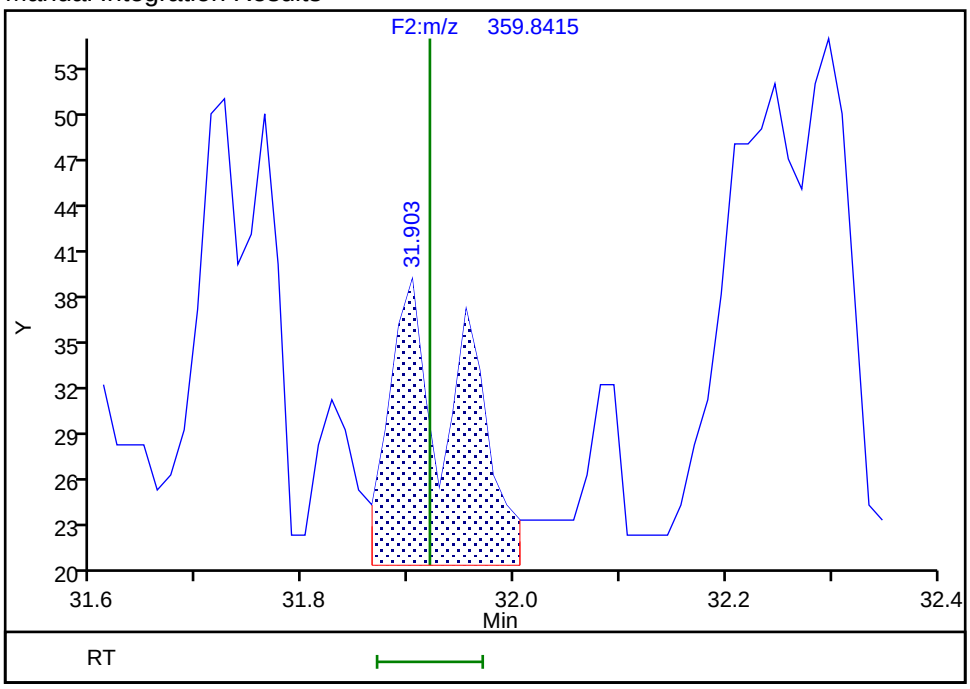
Processing Integration Results

RT: 31.90
Area: 120
Amount: 0.085612
Amount Units: pg/ul




Manual Integration Results

RT: 31.90
Area: 86
Amount: 0.048844
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:46:00

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

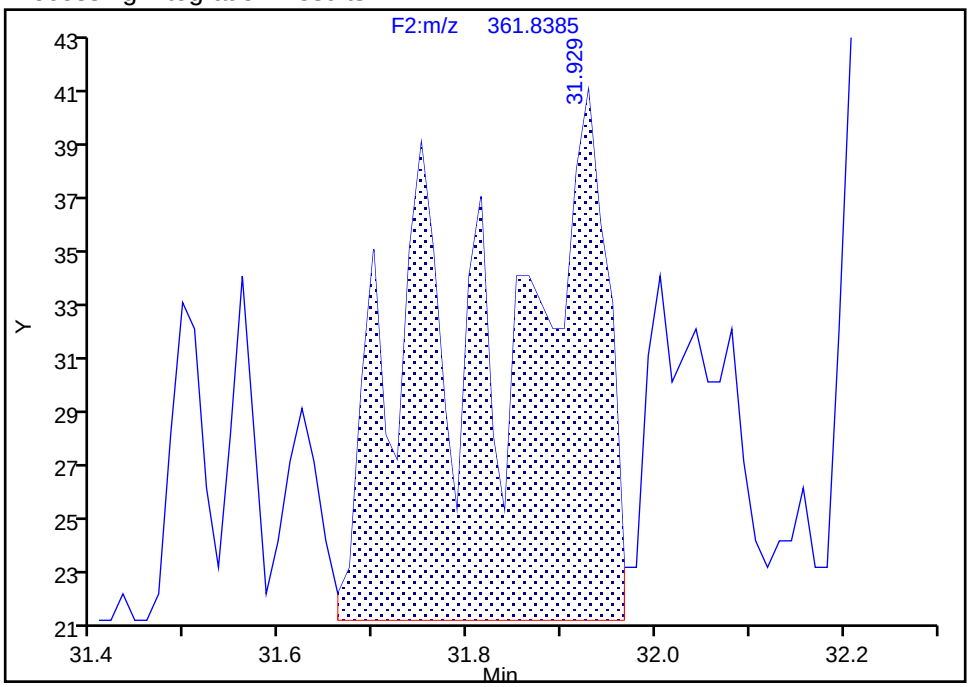
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-150, CAS: 68194-08-1

Signal: 2

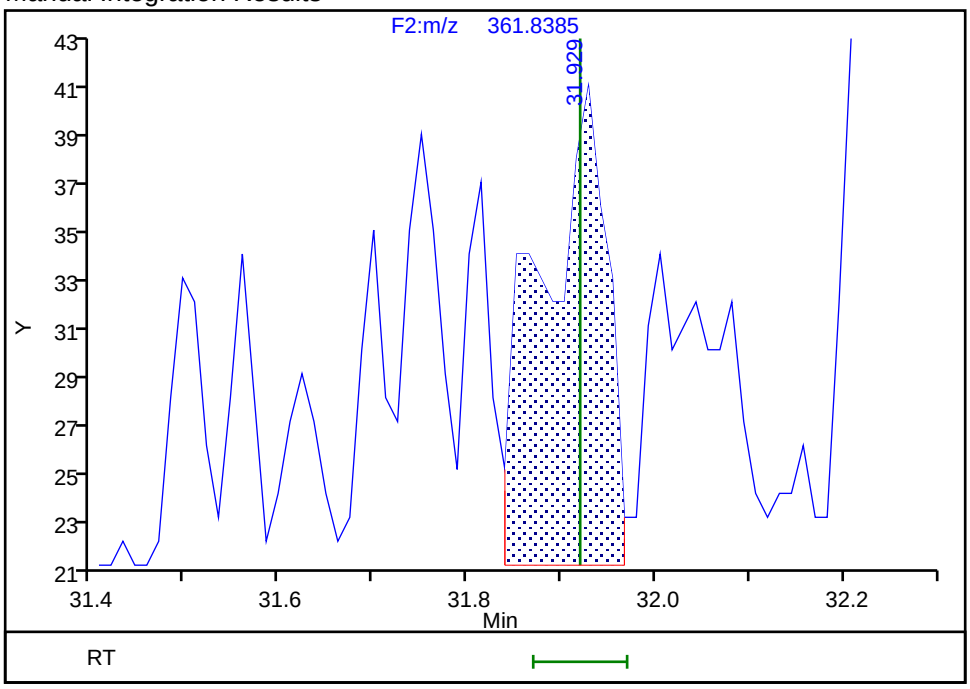
Processing Integration Results

RT: 31.93
Area: 199
Amount: 0.085612
Amount Units: pg/ul




Manual Integration Results

RT: 31.93
Area: 96
Amount: 0.048844
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:46:03
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

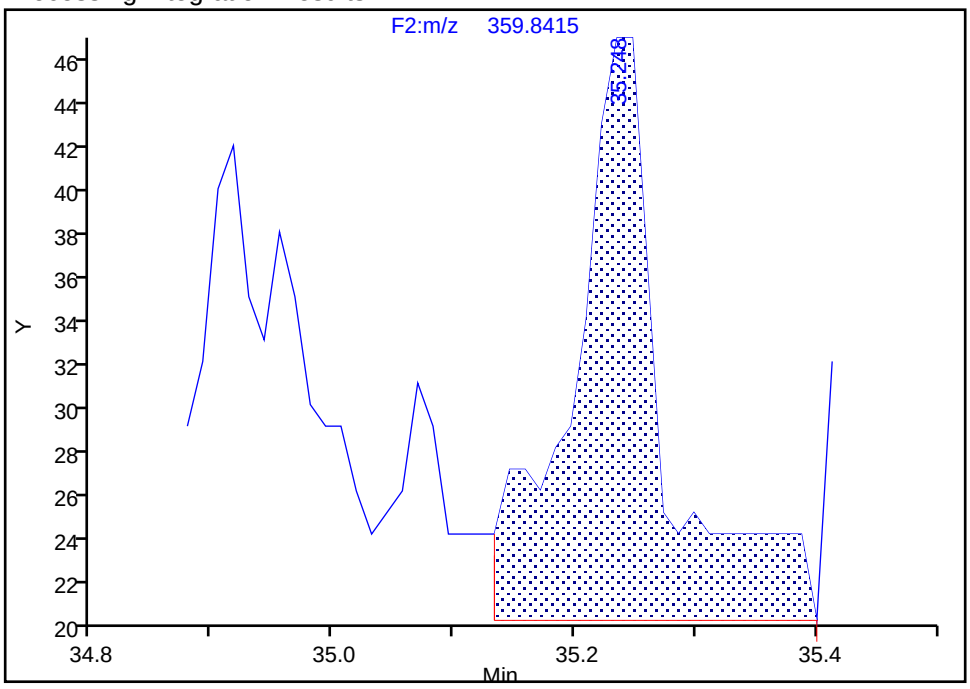
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-144, CAS: 68194-14-9

Signal: 1

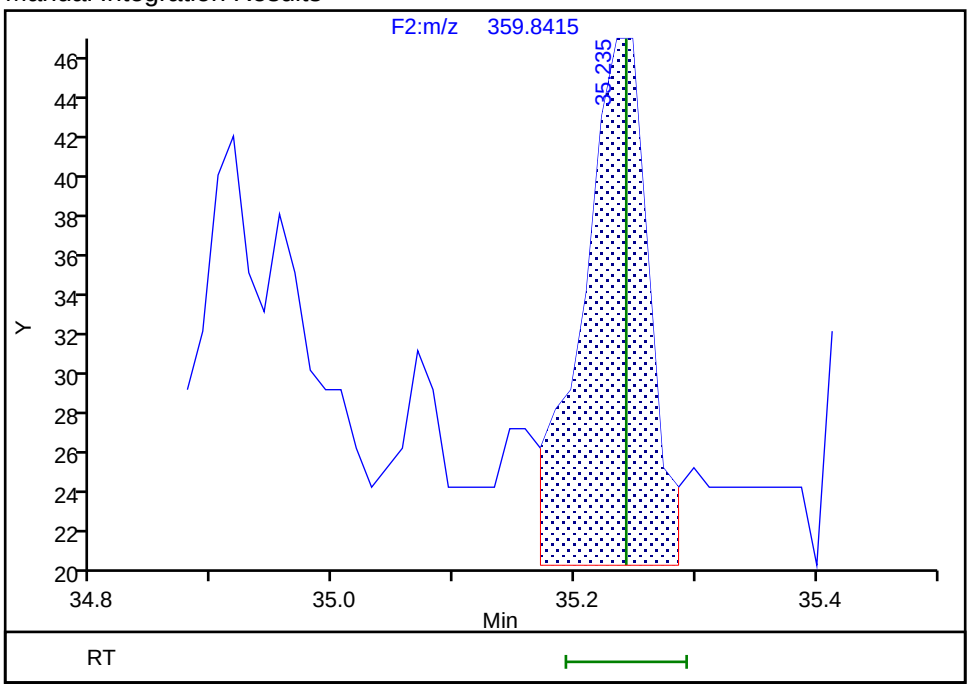
Processing Integration Results

RT: 35.25
Area: 143
Amount: 0.094687
Amount Units: pg/ul




Manual Integration Results

RT: 35.23
Area: 102
Amount: 0.061076
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:46:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

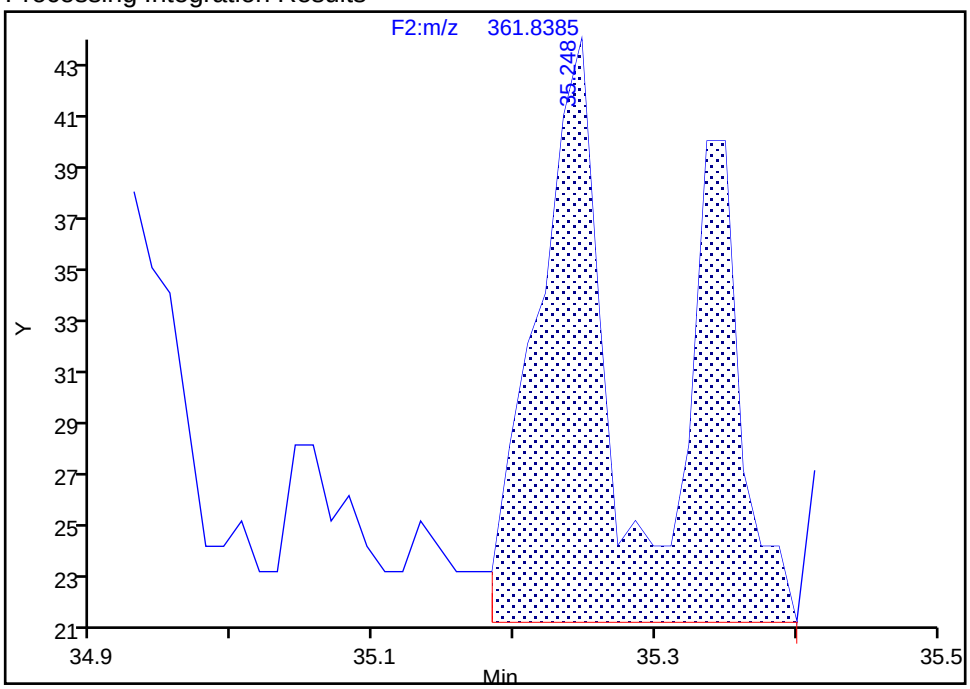
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-144, CAS: 68194-14-9

Signal: 2

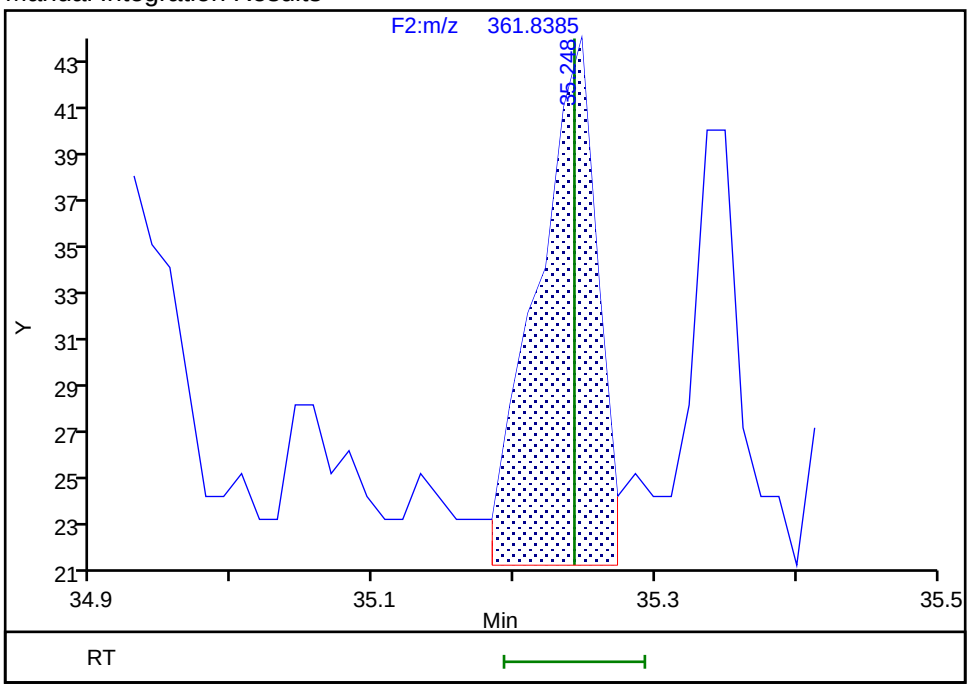
Processing Integration Results

RT: 35.25
Area: 119
Amount: 0.094687
Amount Units: pg/ul




Manual Integration Results

RT: 35.25
Area: 67
Amount: 0.061076
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:46:31

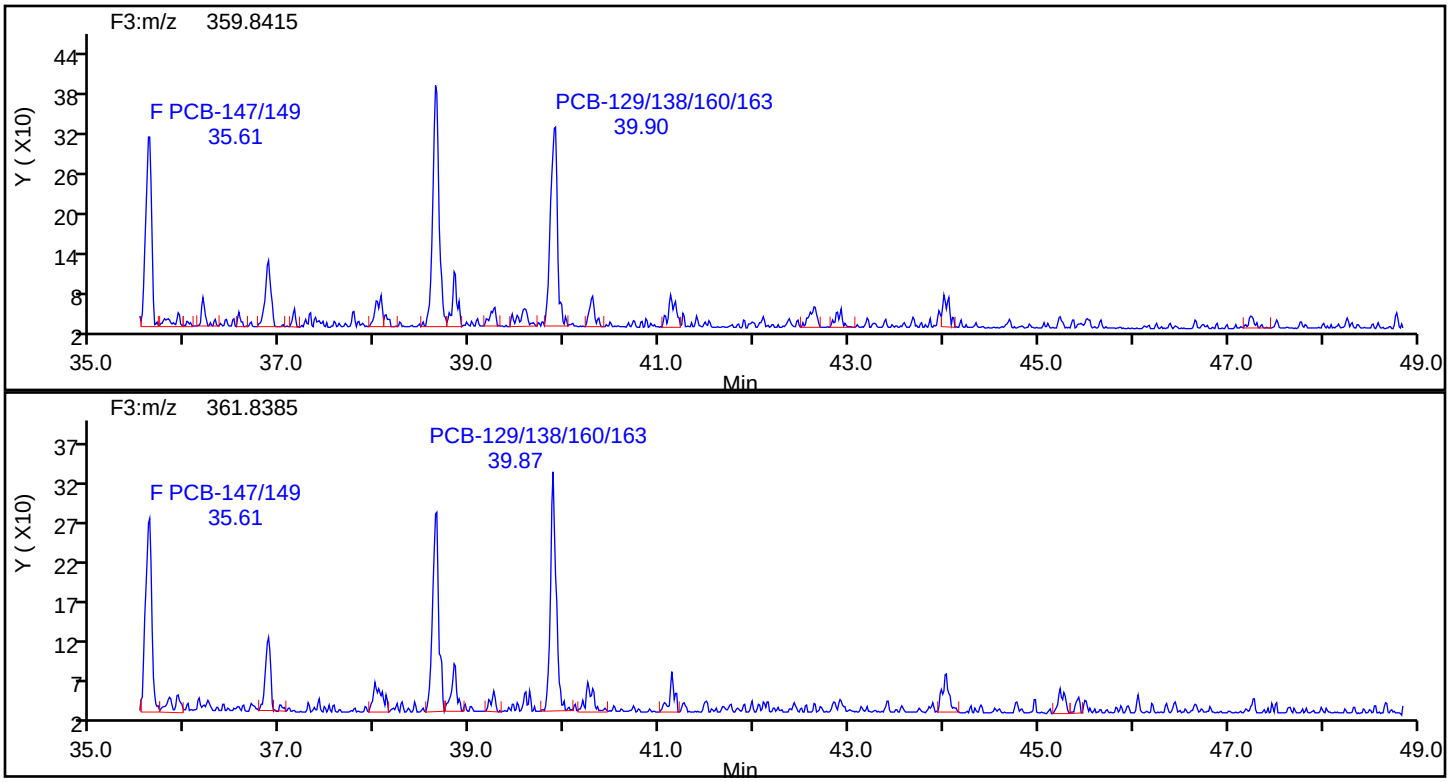
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 24-Sep-2019 21:51:21 Chrom Revision: 2.3 17-Sep-2019 16:19:08

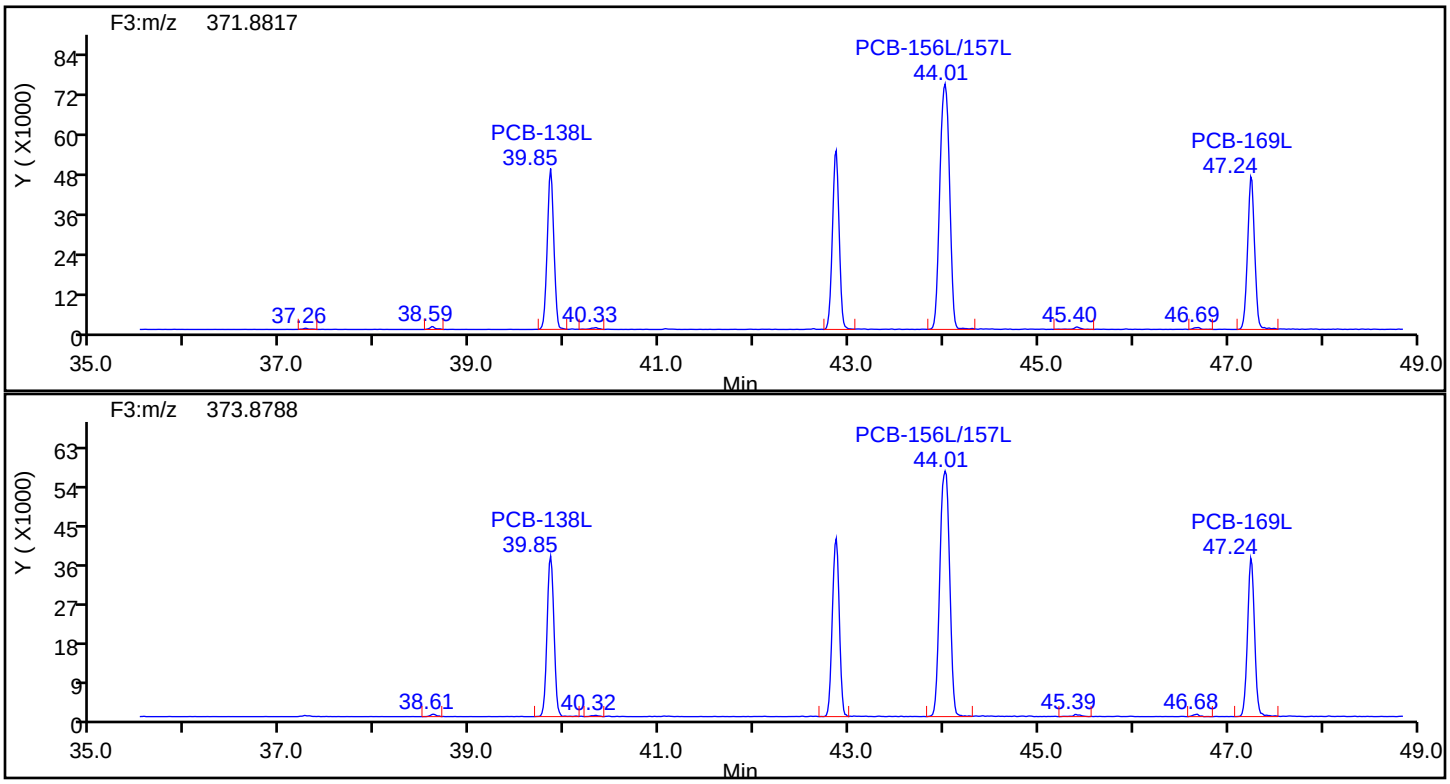
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



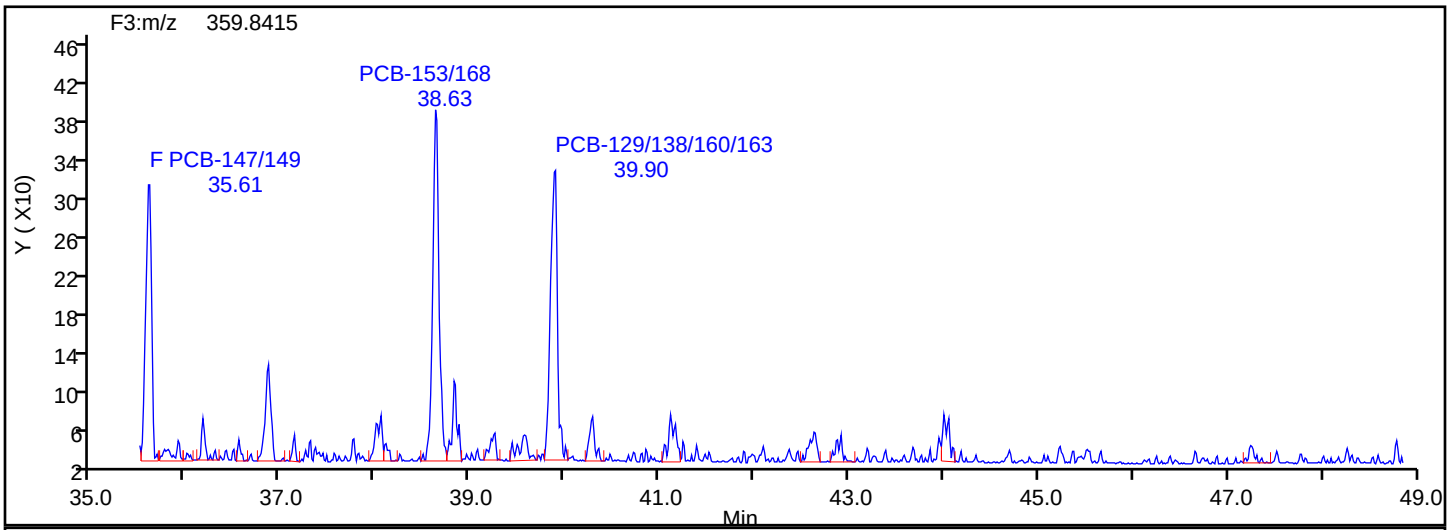

HxPCB F3 Standards

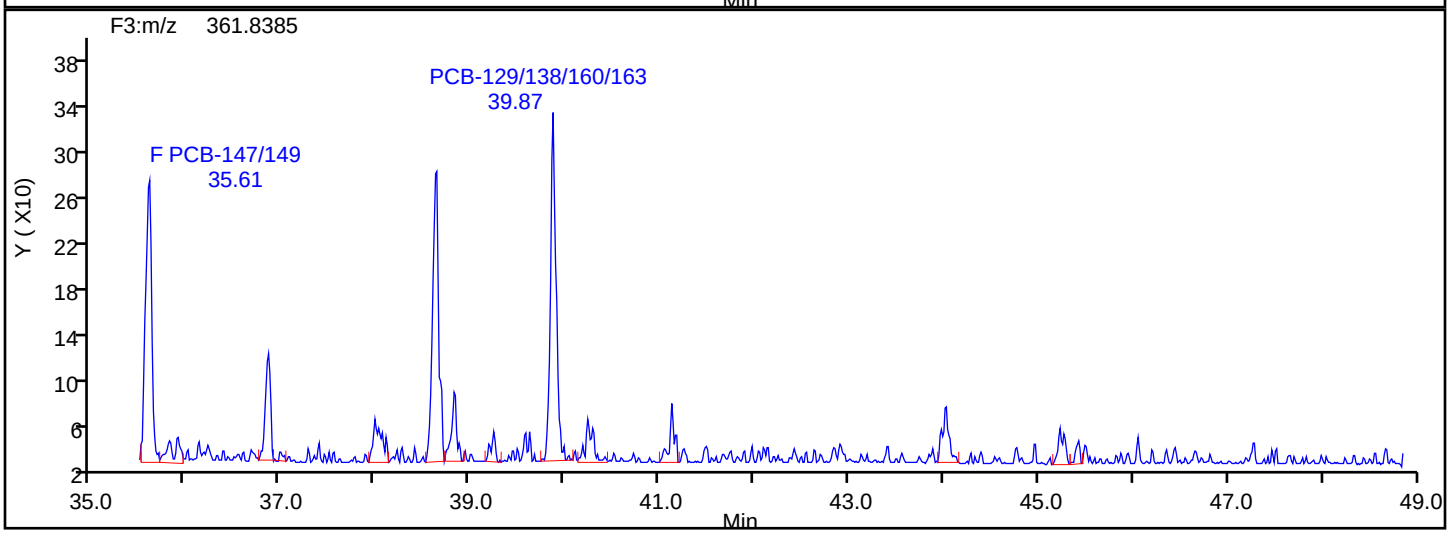


Eurofins TestAmerica, Knoxville

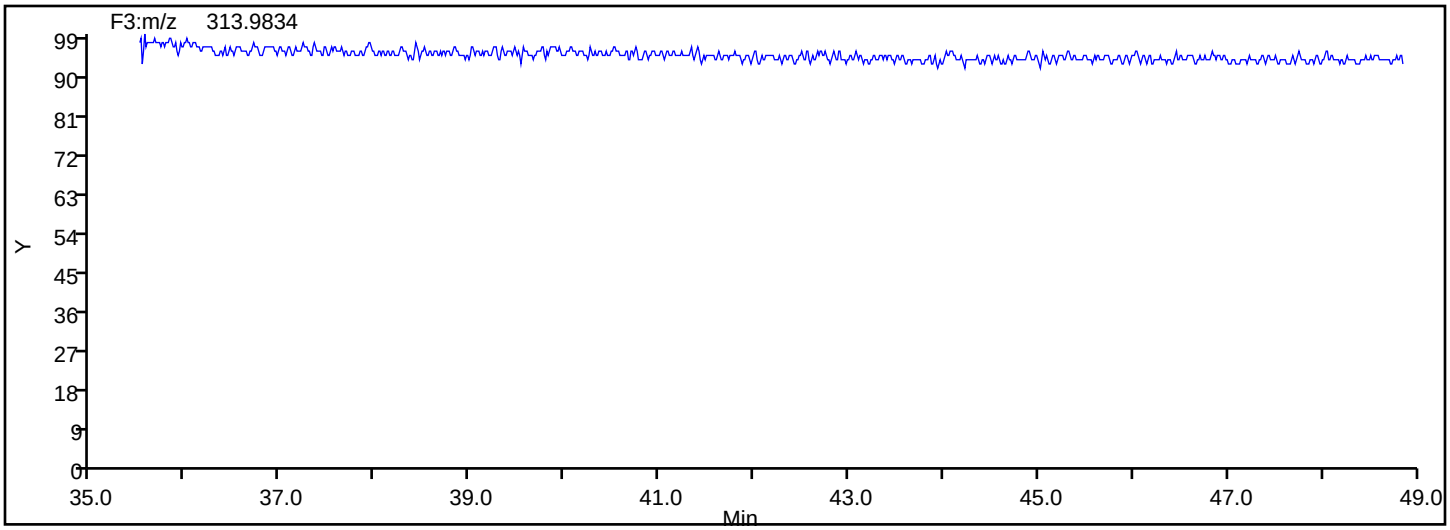
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

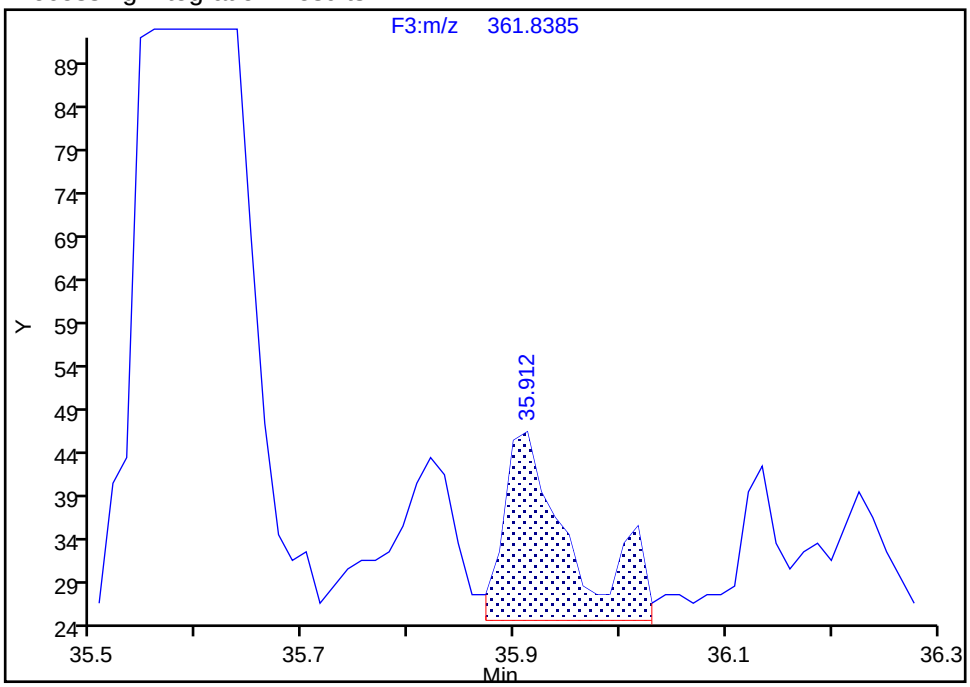
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 2

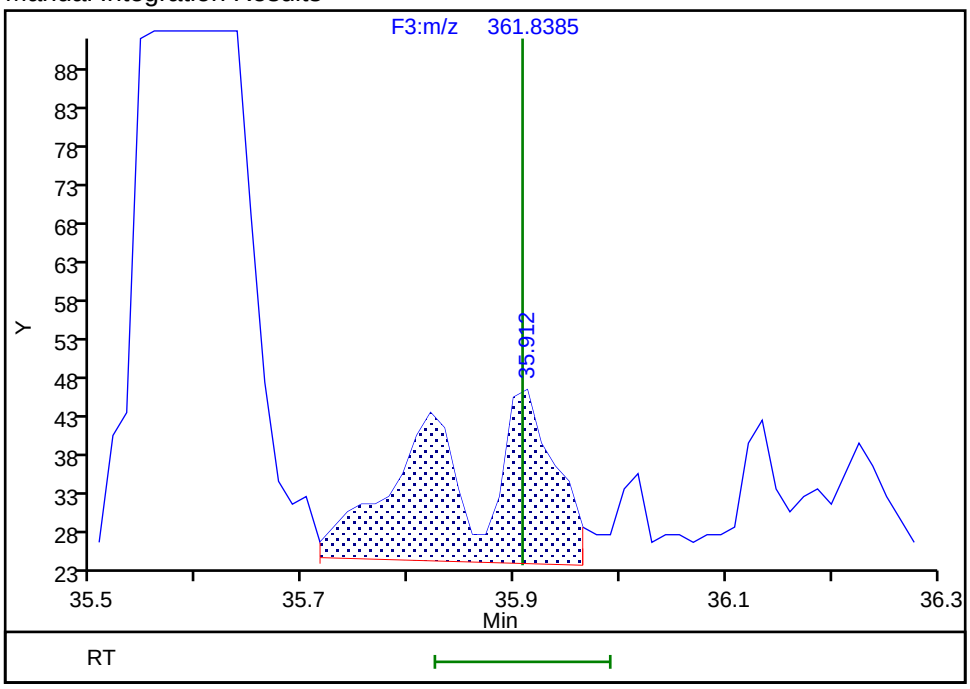
Processing Integration Results

RT: 35.91
Area: 94
Amount: 0.060586
Amount Units: pg/ul




Manual Integration Results

RT: 35.91
Area: 165
Amount: 0.071898
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:47:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

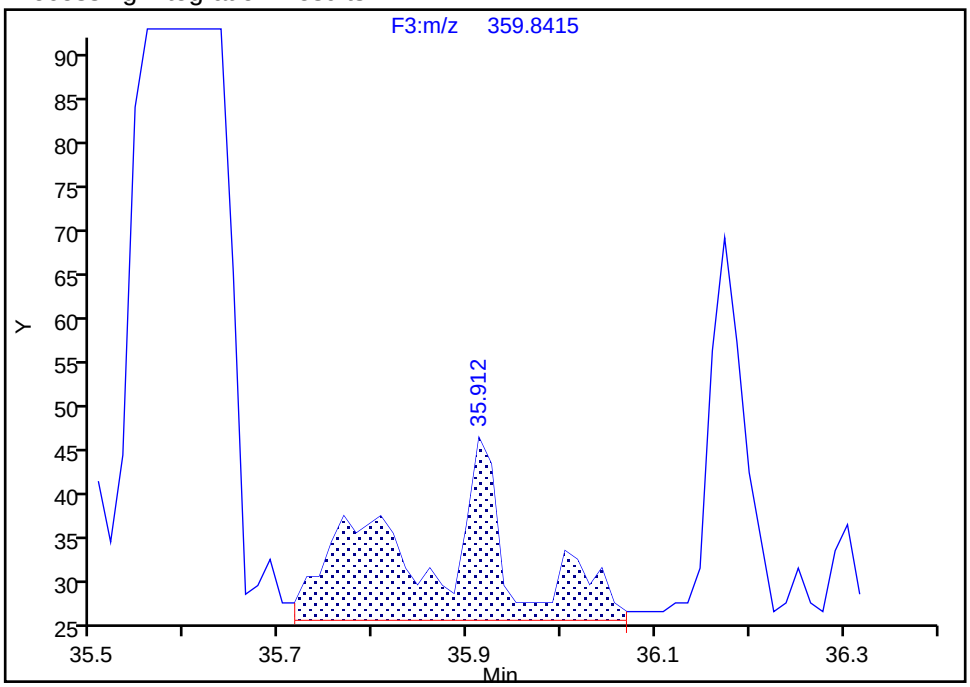
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 1

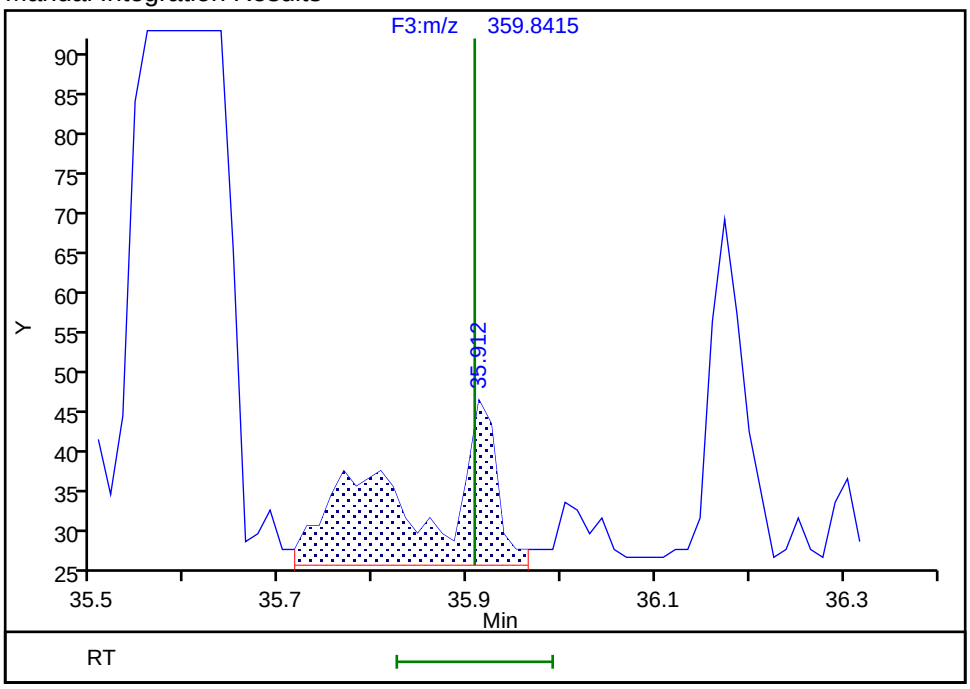
Processing Integration Results

RT: 35.91
Area: 147
Amount: 0.060586
Amount Units: pg/ul




Manual Integration Results

RT: 35.91
Area: 121
Amount: 0.071898
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:47:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

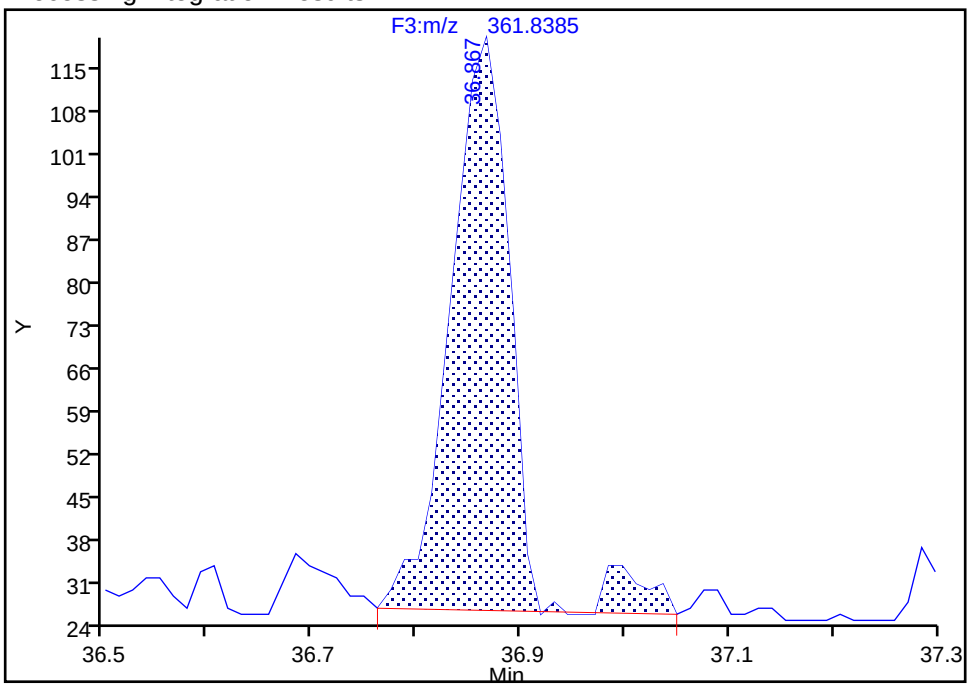
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-132, CAS: 38380-05-1

Signal: 2

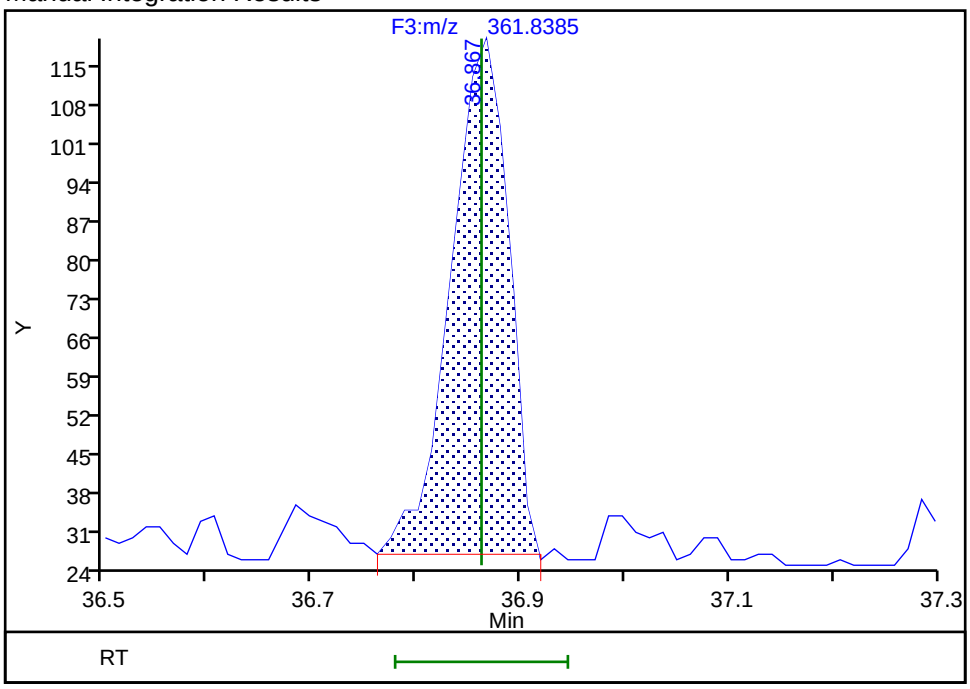
Processing Integration Results

RT: 36.87
Area: 386
Amount: 0.196846
Amount Units: pg/ul




Manual Integration Results

RT: 36.87
Area: 360
Amount: 0.190520
Amount Units: pg/ul



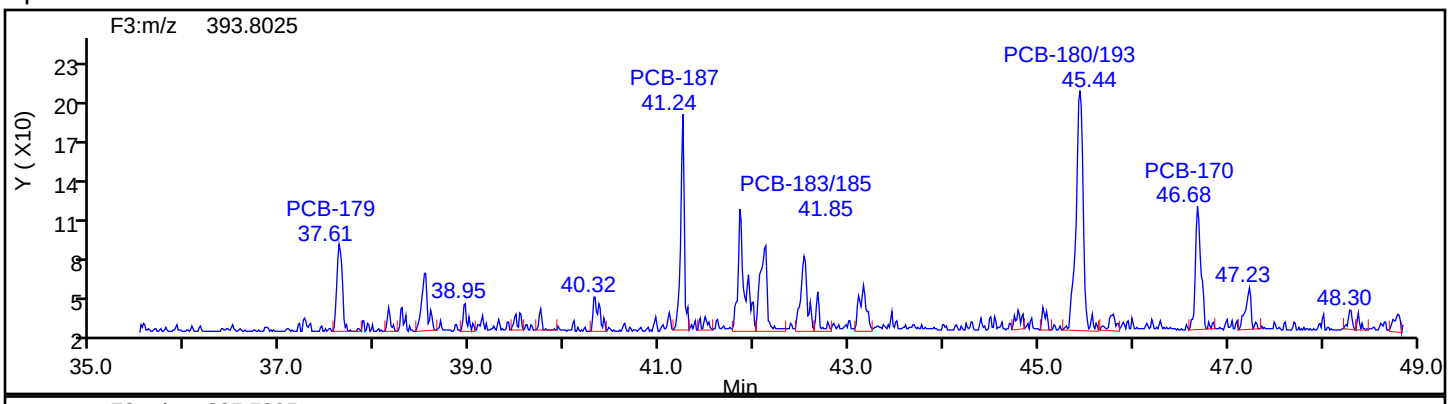

Reviewer: parslyt, 24-Sep-2019 21:47:34

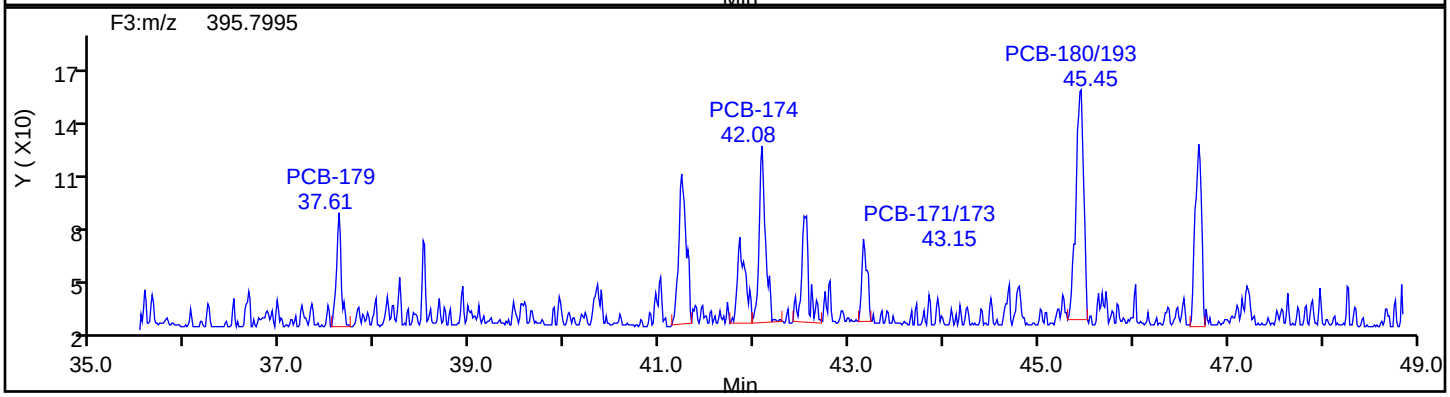
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

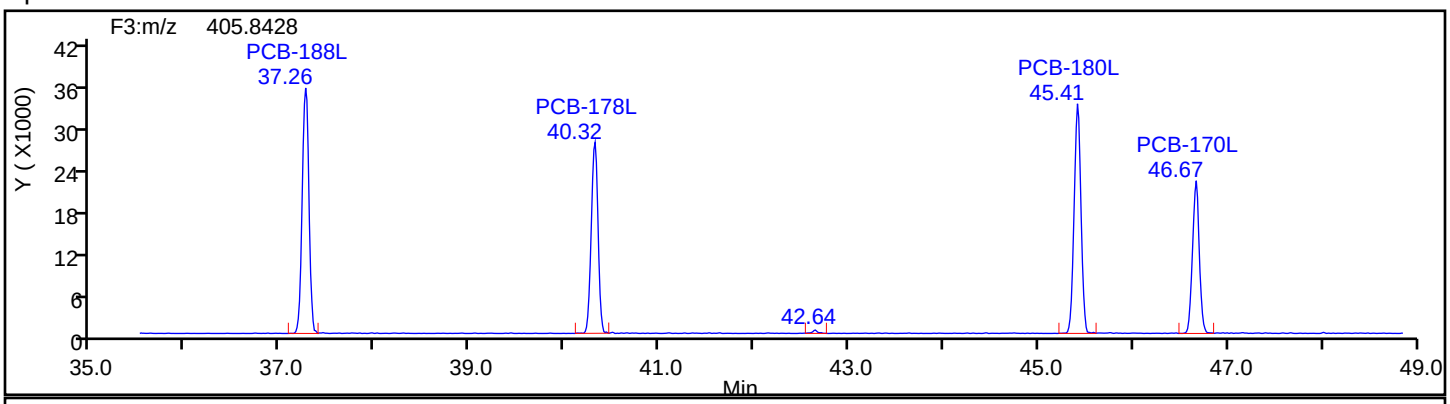
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

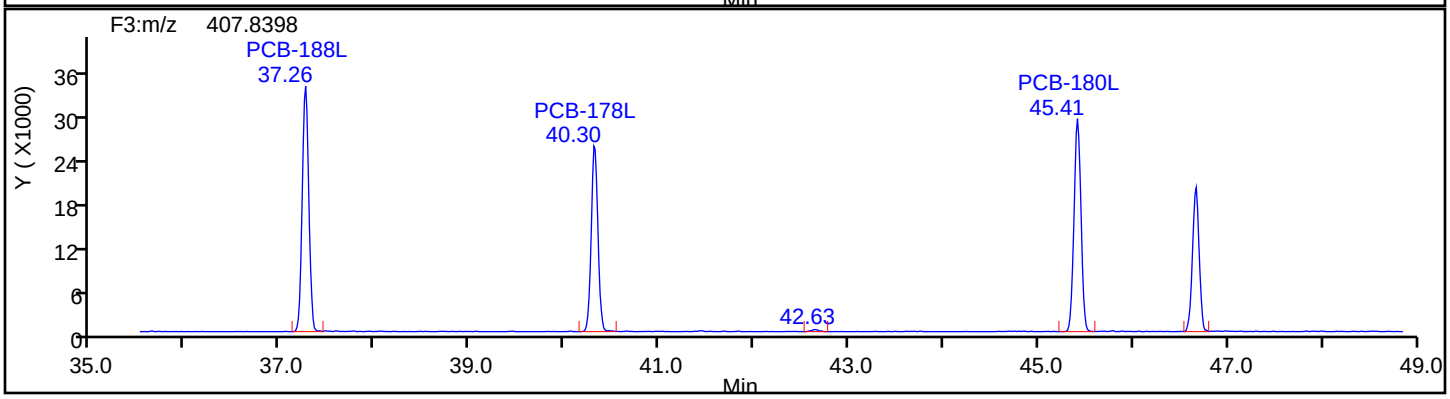
HpPCB F3




HpPCB F3 Standards

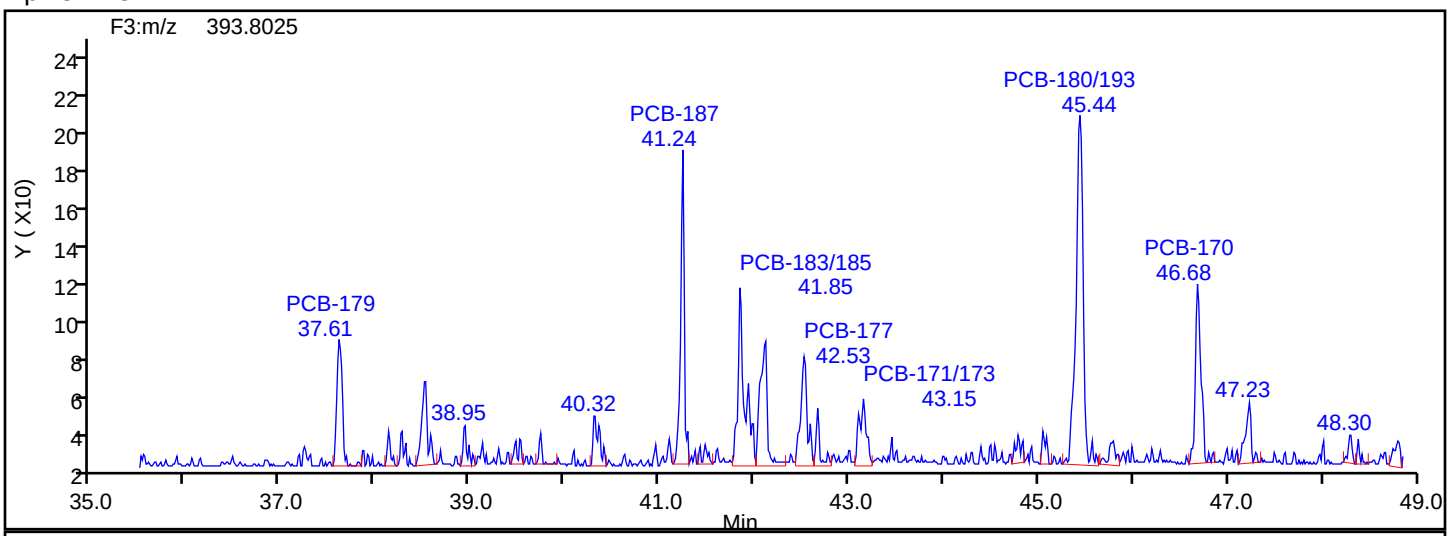


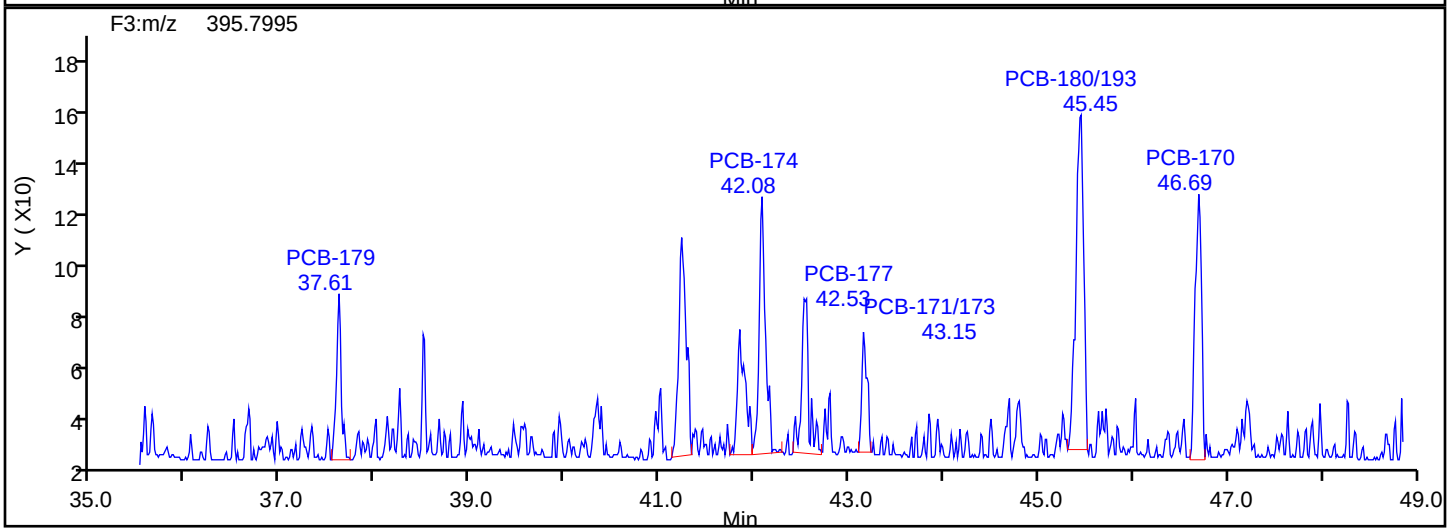



Eurofins TestAmerica, Knoxville

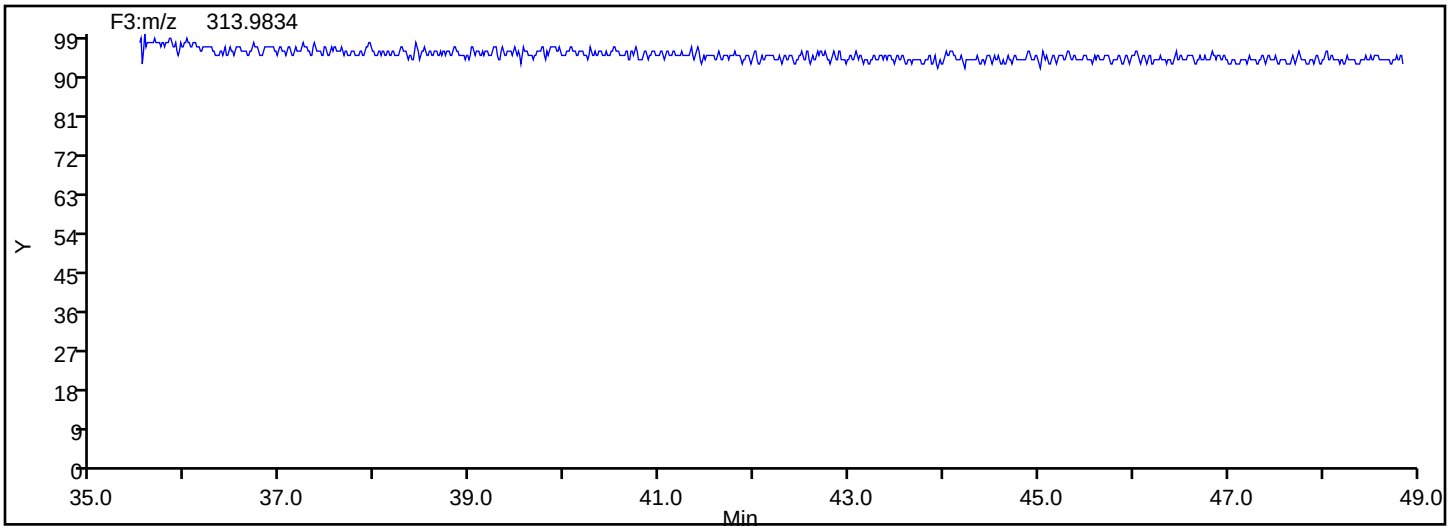
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

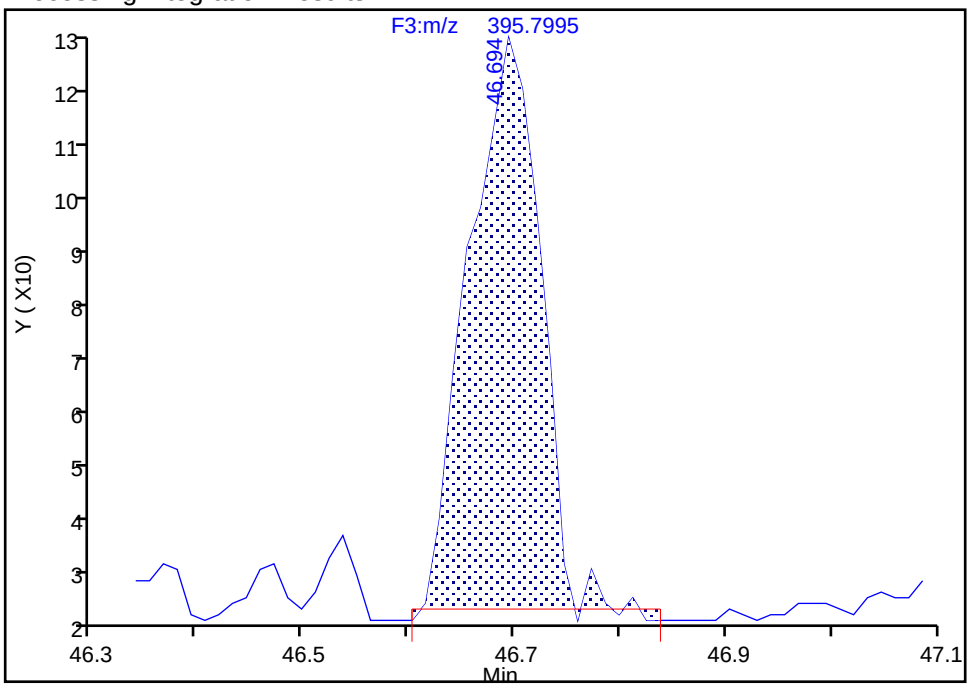
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-170, CAS: 35065-30-6

Signal: 2

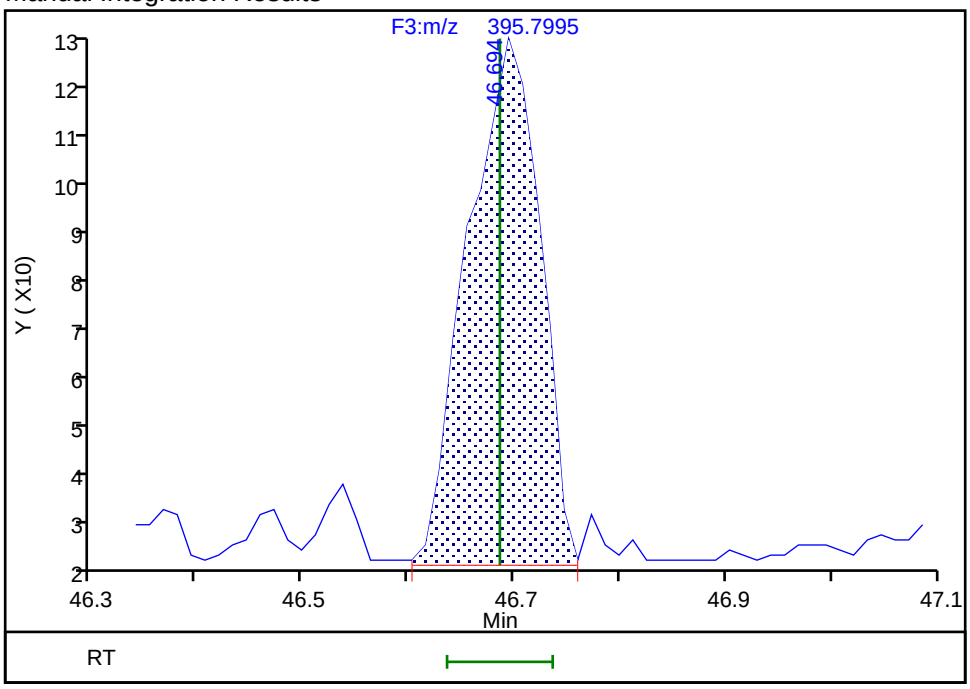
Processing Integration Results

RT: 46.69
Area: 470
Amount: 0.325024
Amount Units: pg/ul




Manual Integration Results

RT: 46.69
Area: 494
Amount: 0.334042
Amount Units: pg/ul



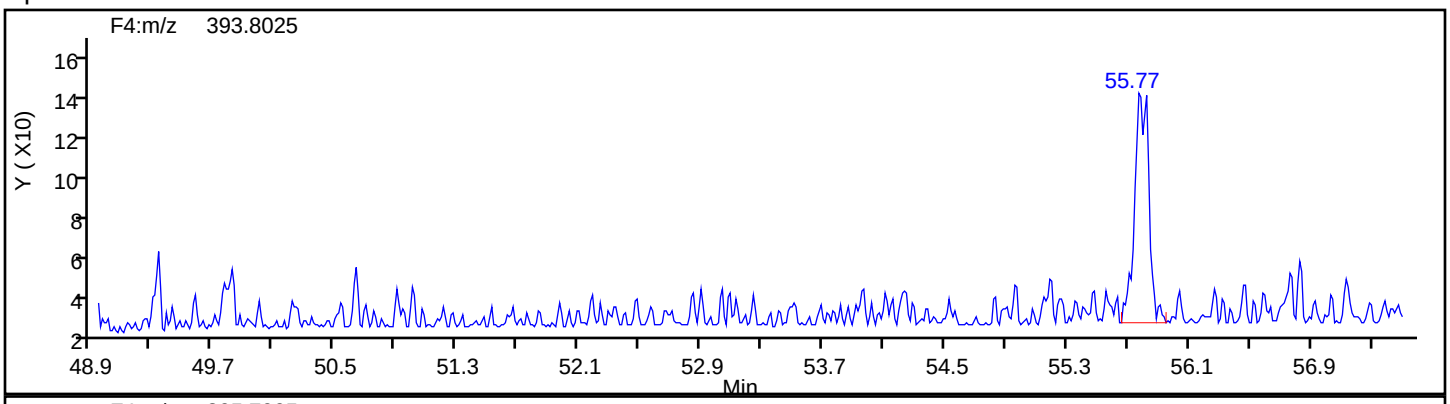

Reviewer: parslyt, 24-Sep-2019 21:48:27

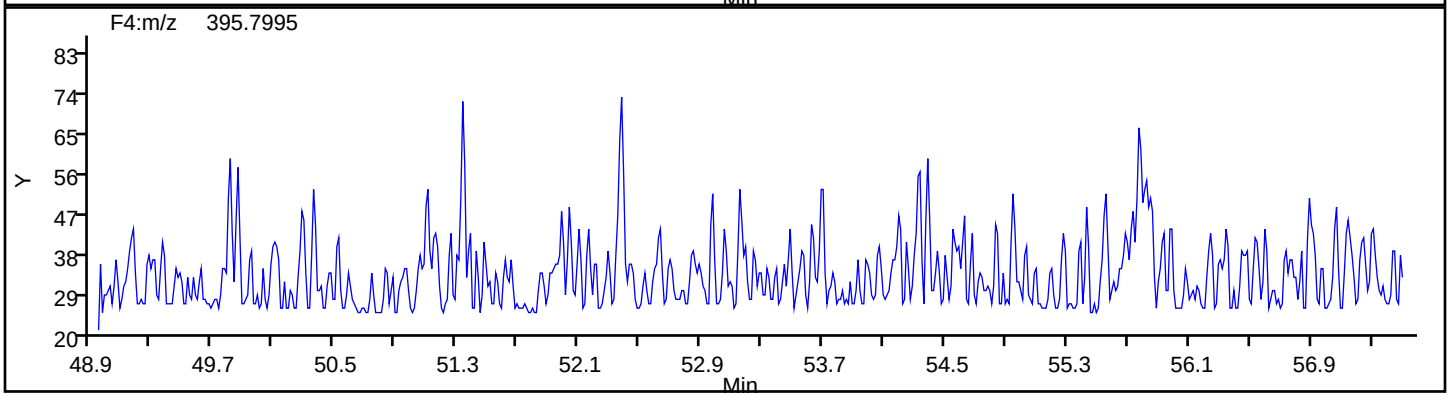
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

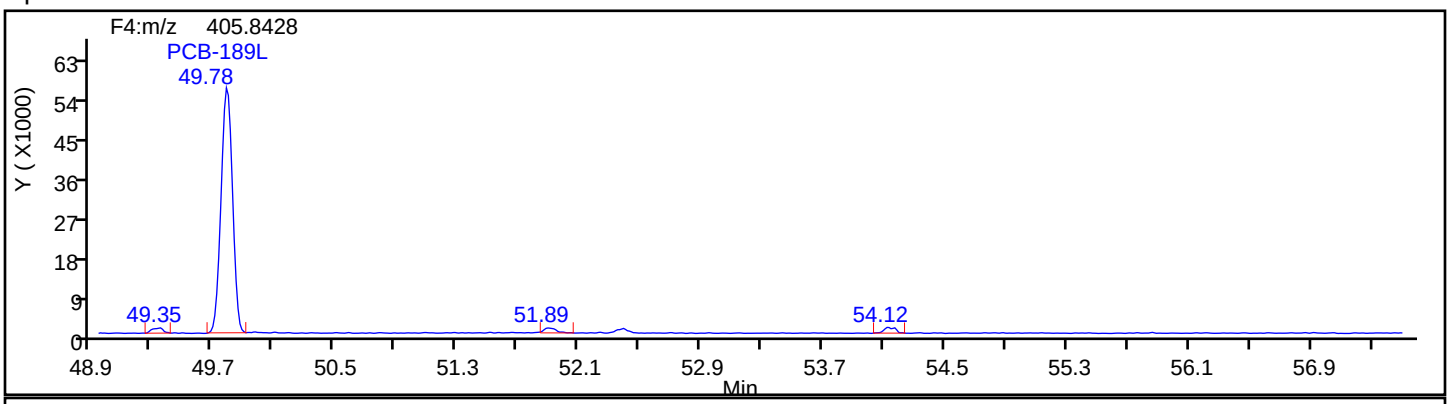
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

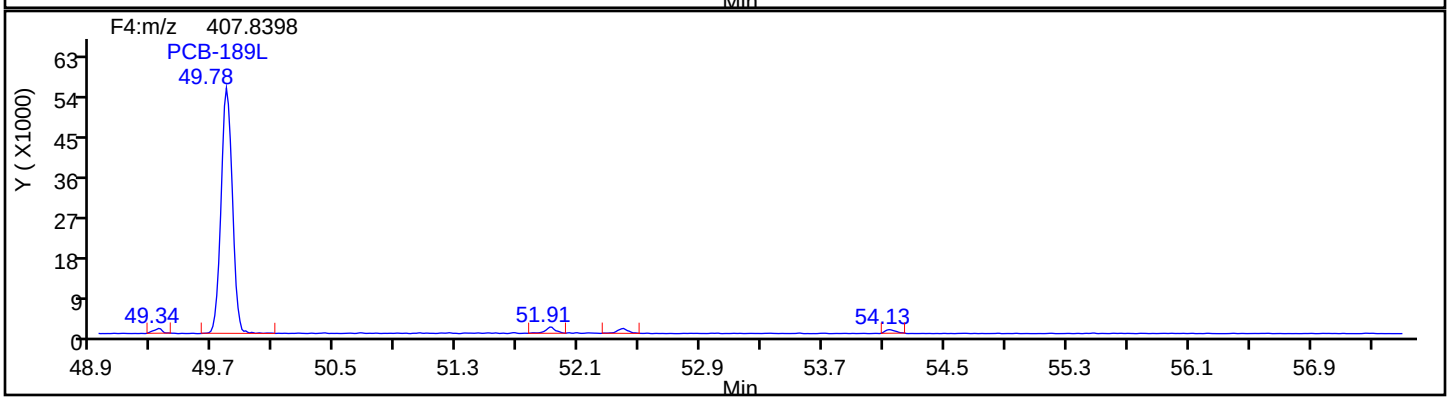
HpPCB F4




HpPCB F4 Standards

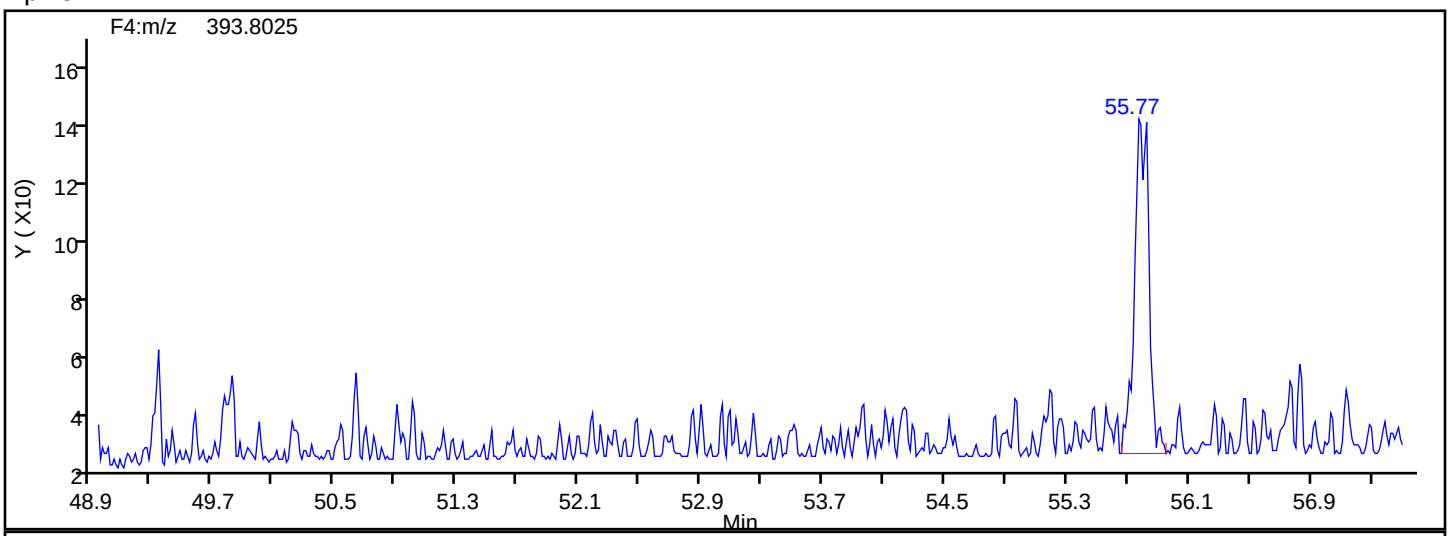


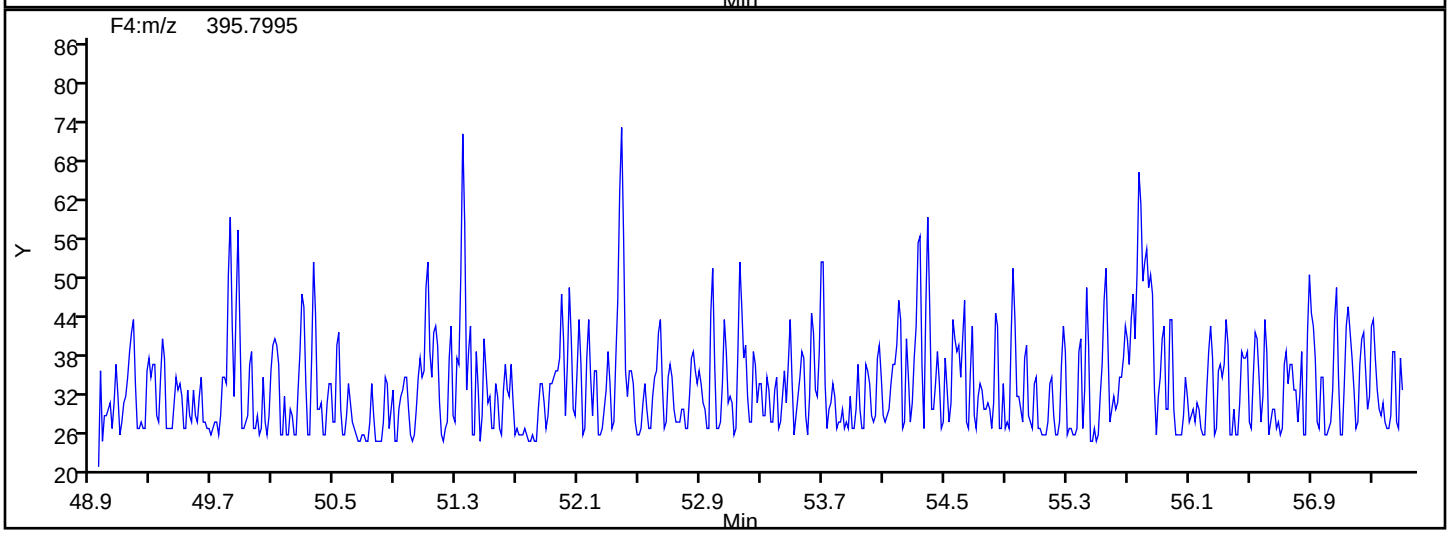



Eurofins TestAmerica, Knoxville

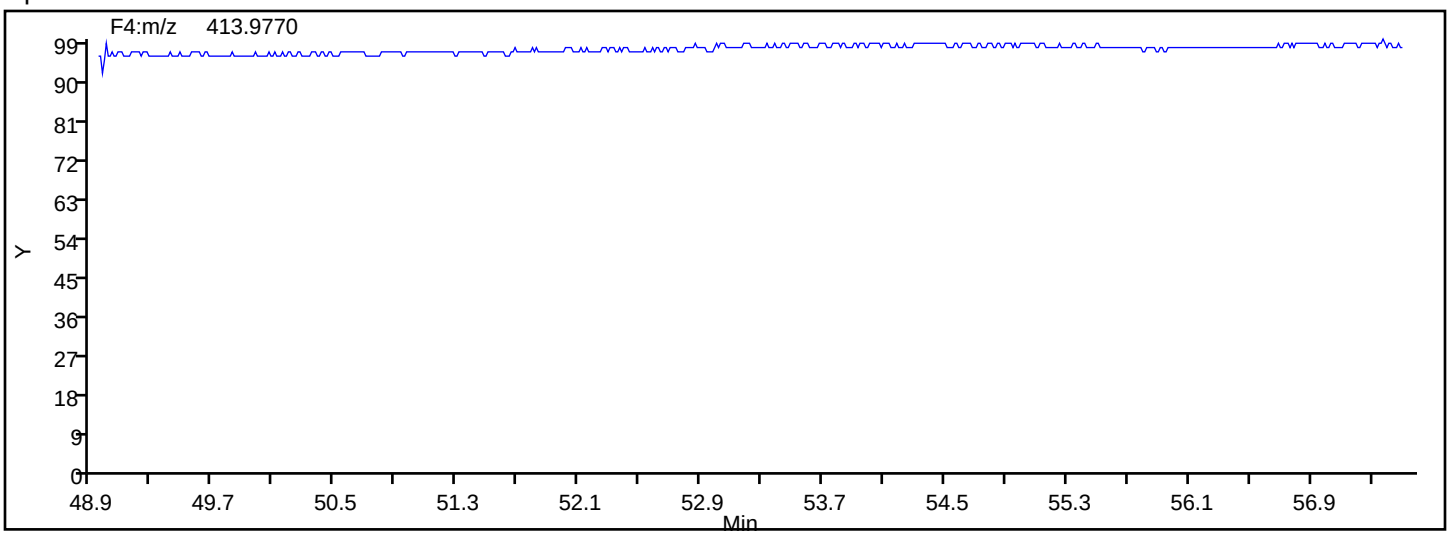
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



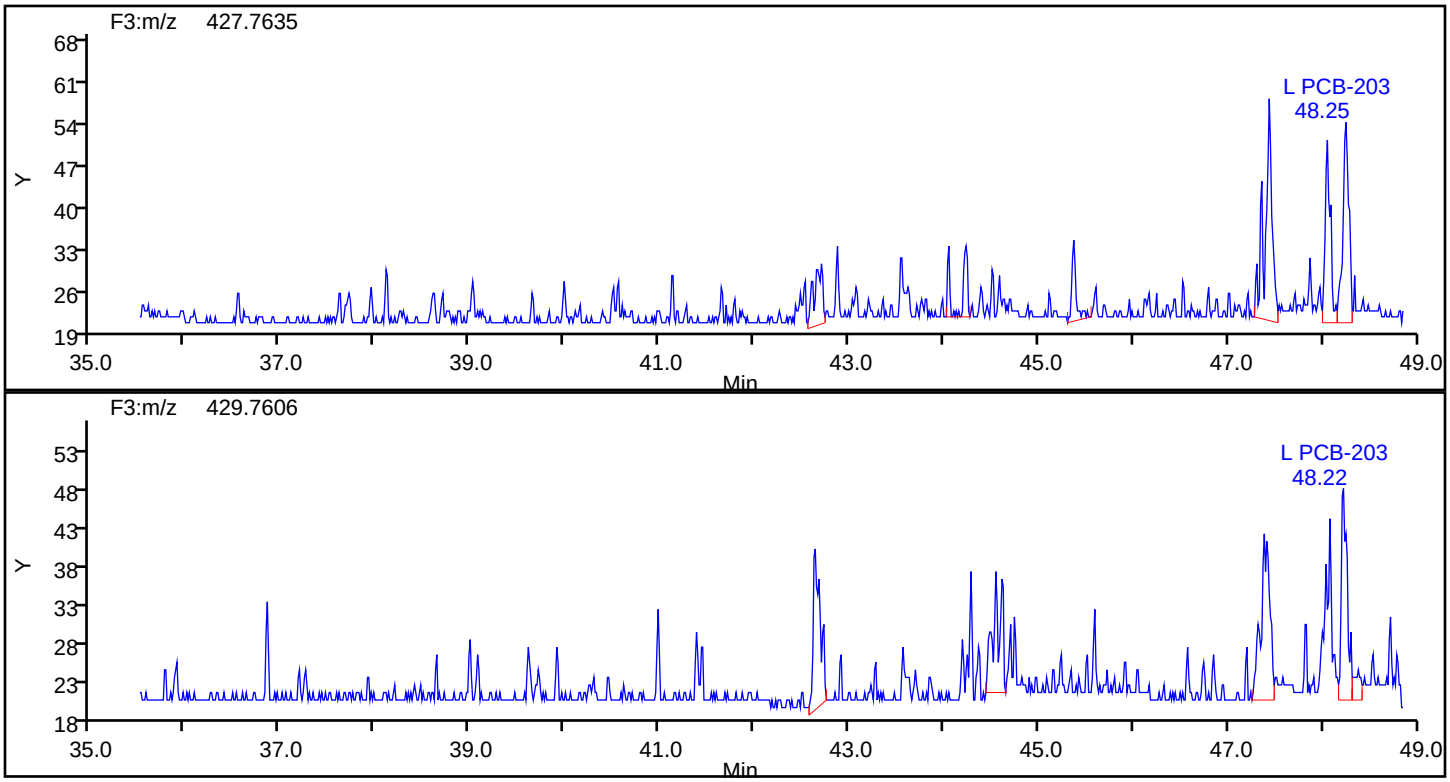

HpPCB F4 Lock Mass



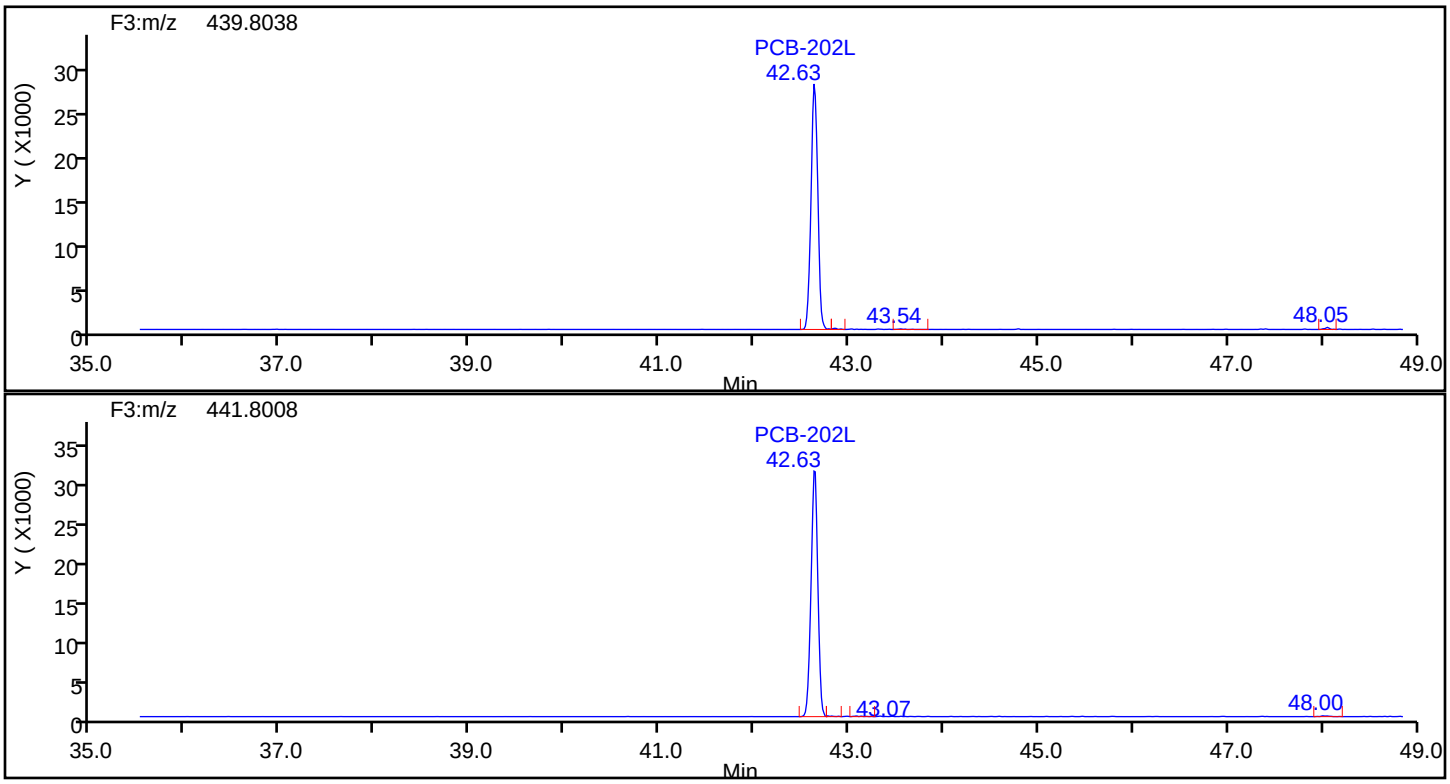
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



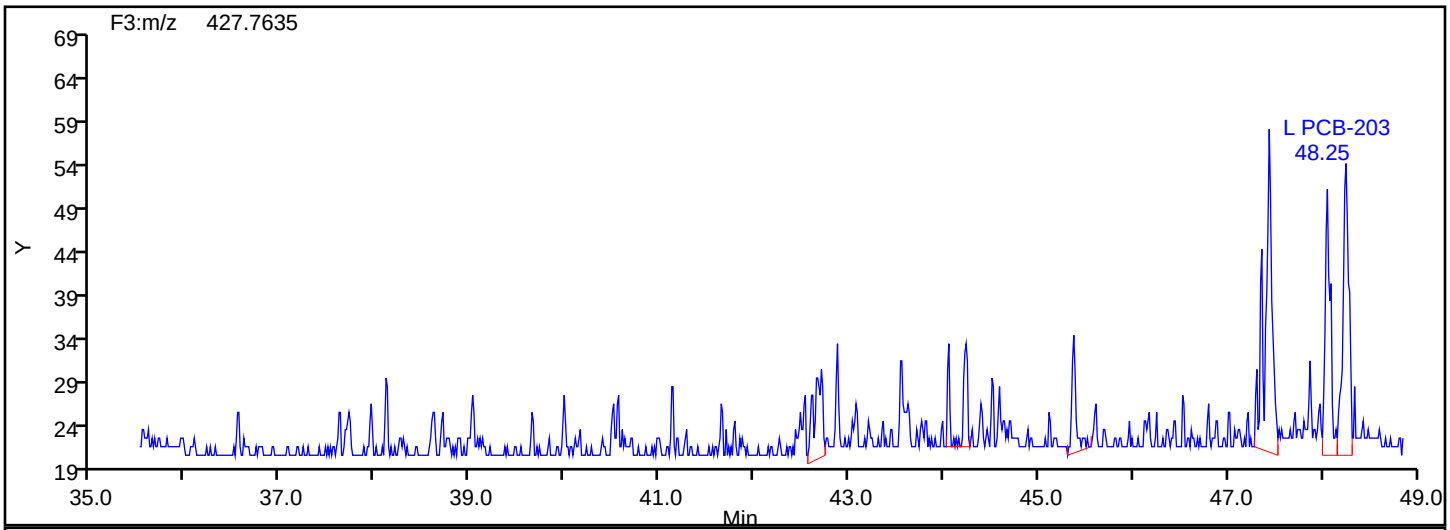

OcPCB F3 Standards

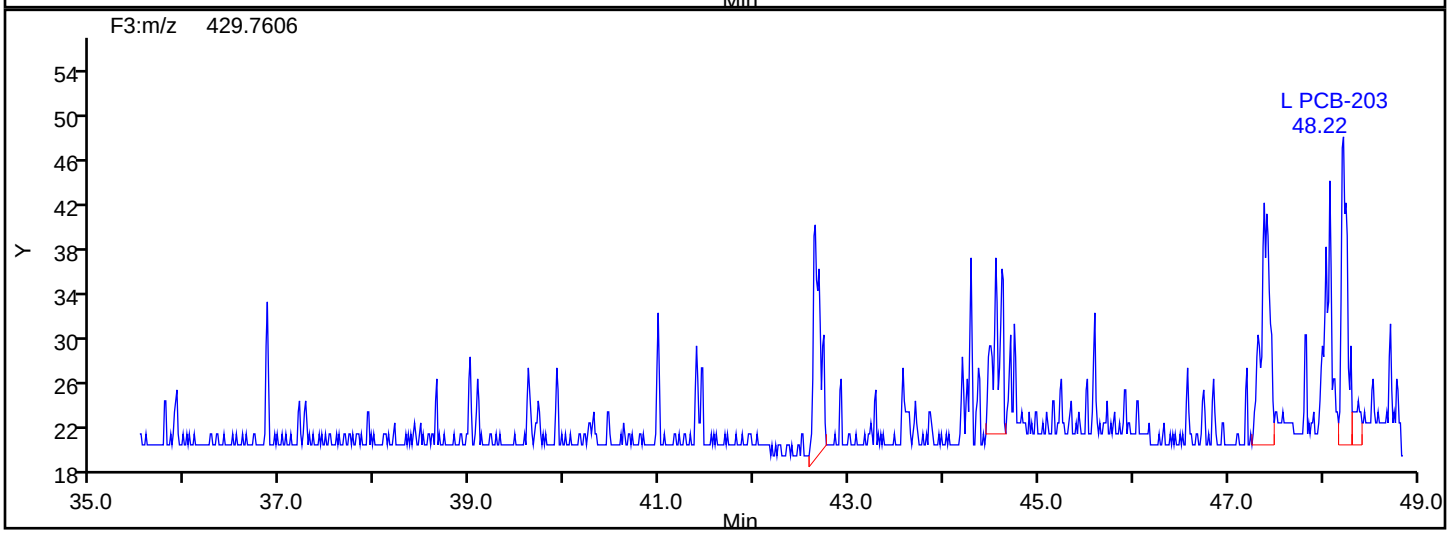


Eurofins TestAmerica, Knoxville

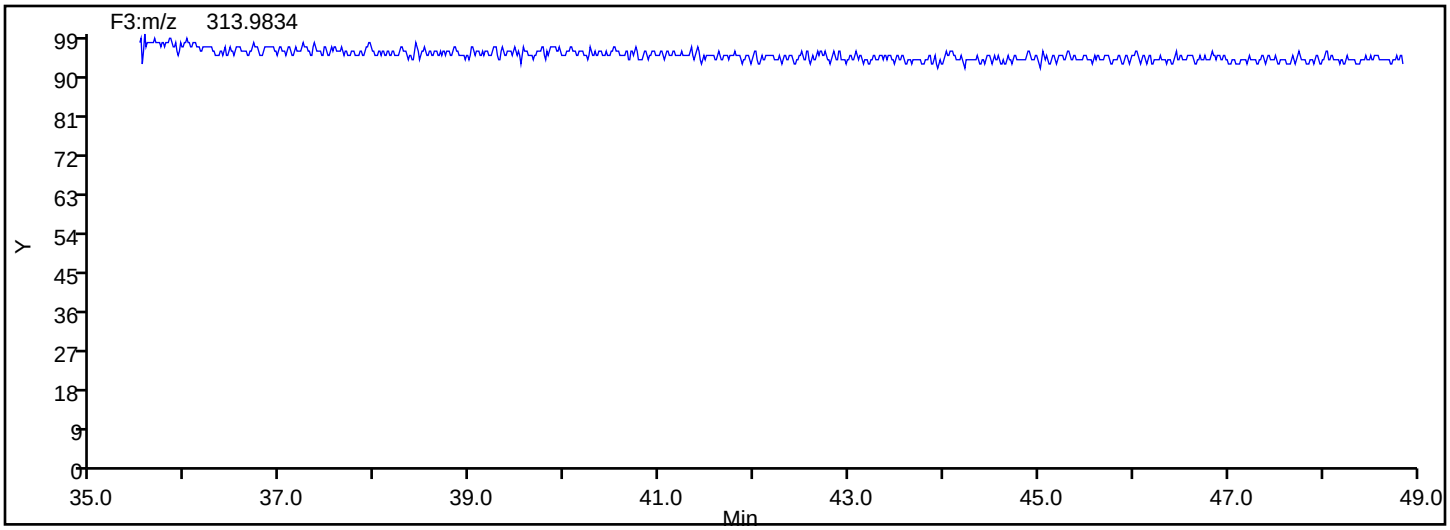
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

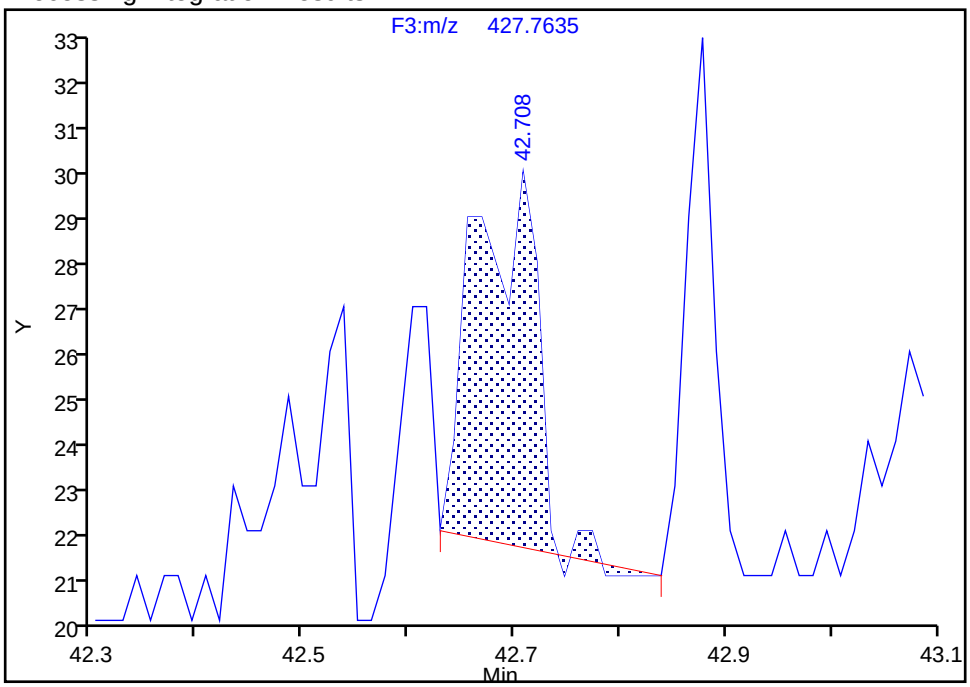
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-202, CAS: 2136-99-4

Signal: 1

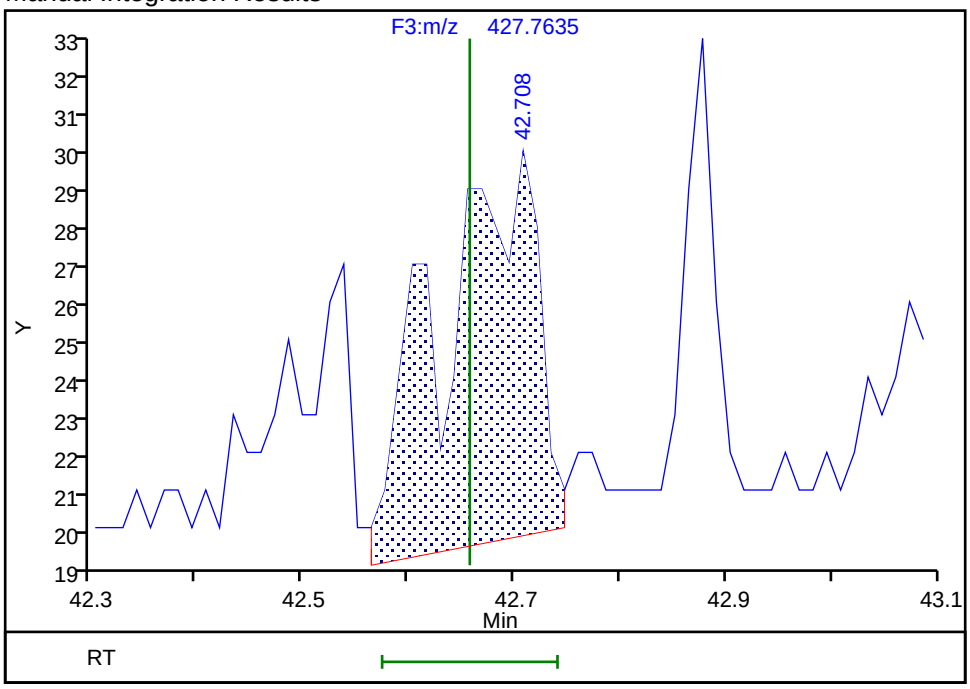
Processing Integration Results

RT: 42.71
Area: 34
Amount: 0.043183
Amount Units: pg/ul




Manual Integration Results

RT: 42.71
Area: 67
Amount: 0.057041
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:48:49

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

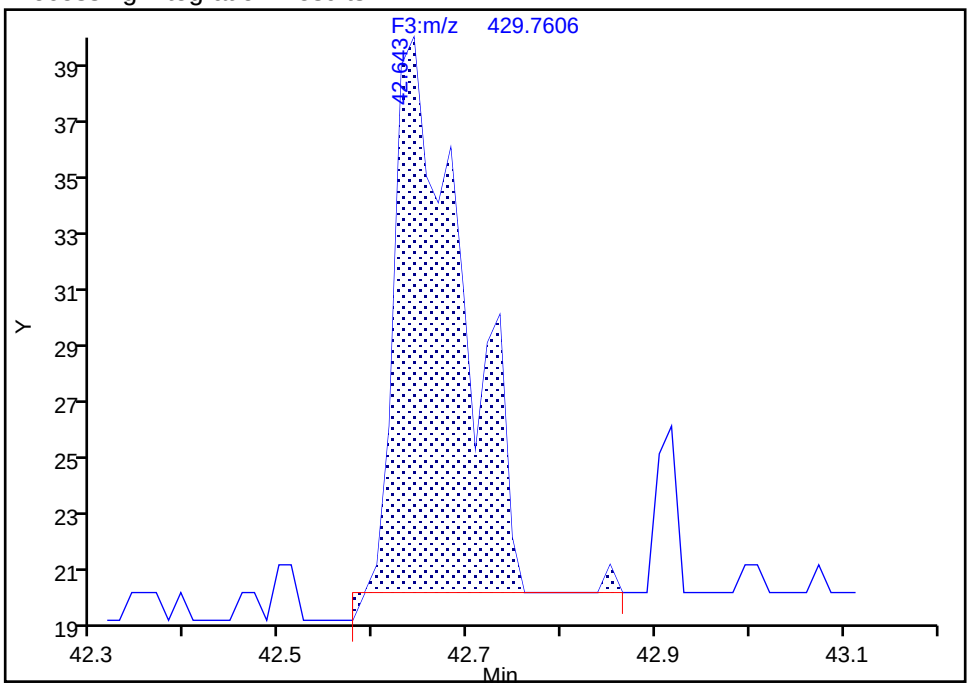
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-202, CAS: 2136-99-4

Signal: 2

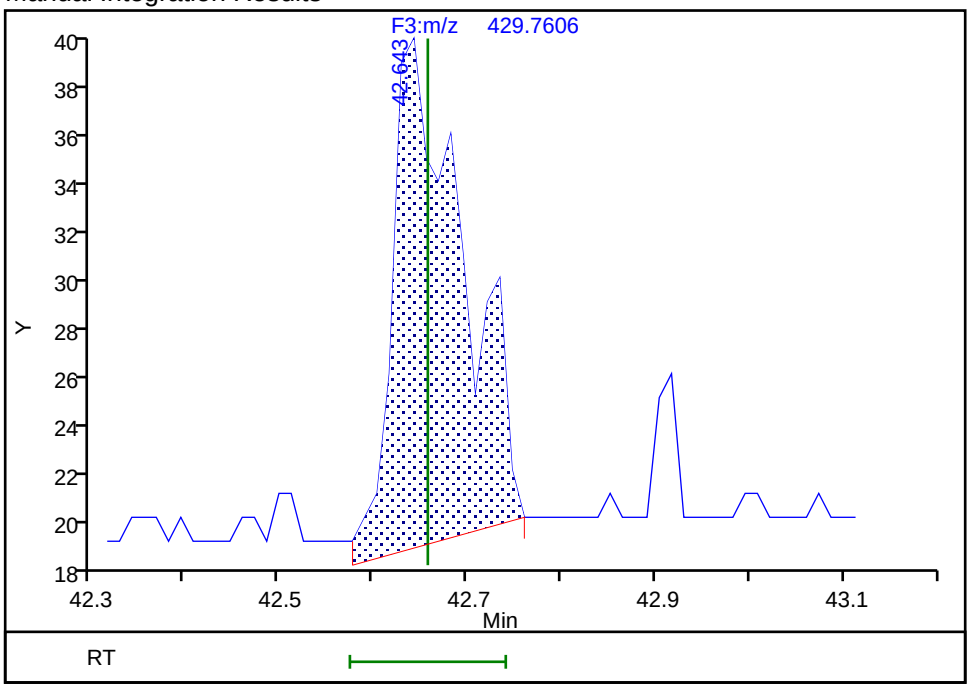
Processing Integration Results

RT: 42.64
Area: 100
Amount: 0.043183
Amount Units: pg/ul




Manual Integration Results

RT: 42.64
Area: 110
Amount: 0.057041
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:49:08
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

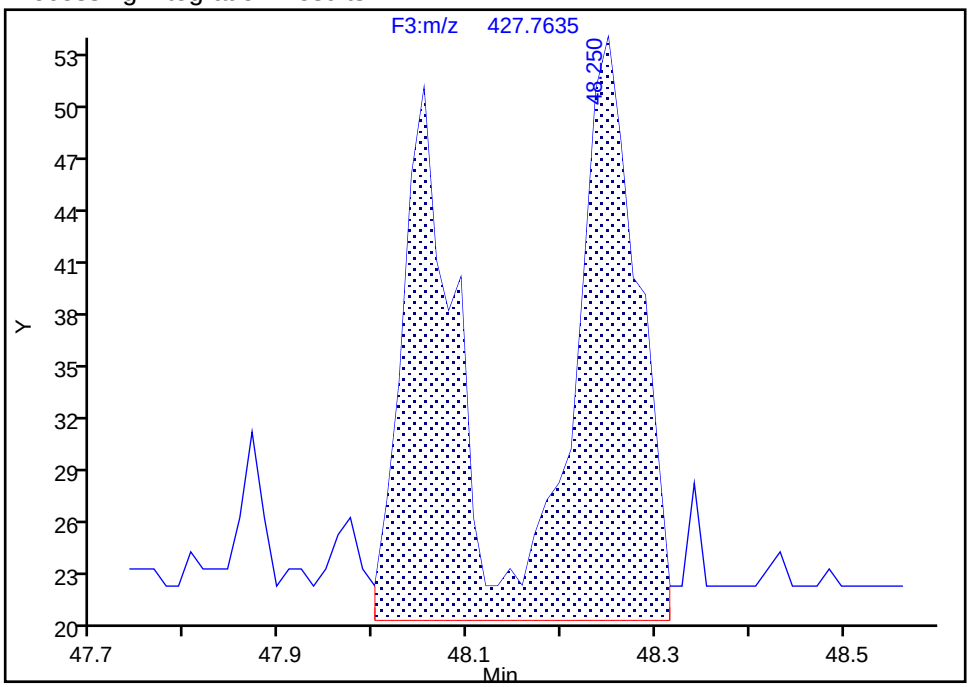
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-203, CAS: 52663-76-0

Signal: 1

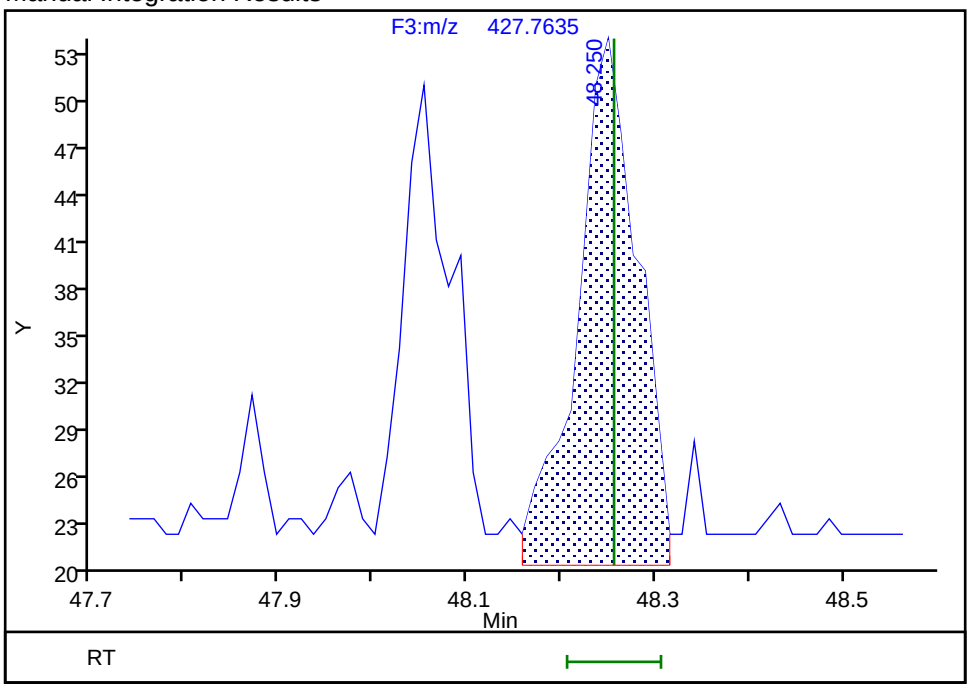
Processing Integration Results

RT: 48.25
Area: 271
Amount: 0.152031
Amount Units: pg/ul




Manual Integration Results

RT: 48.25
Area: 152
Amount: 0.100863
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:49:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

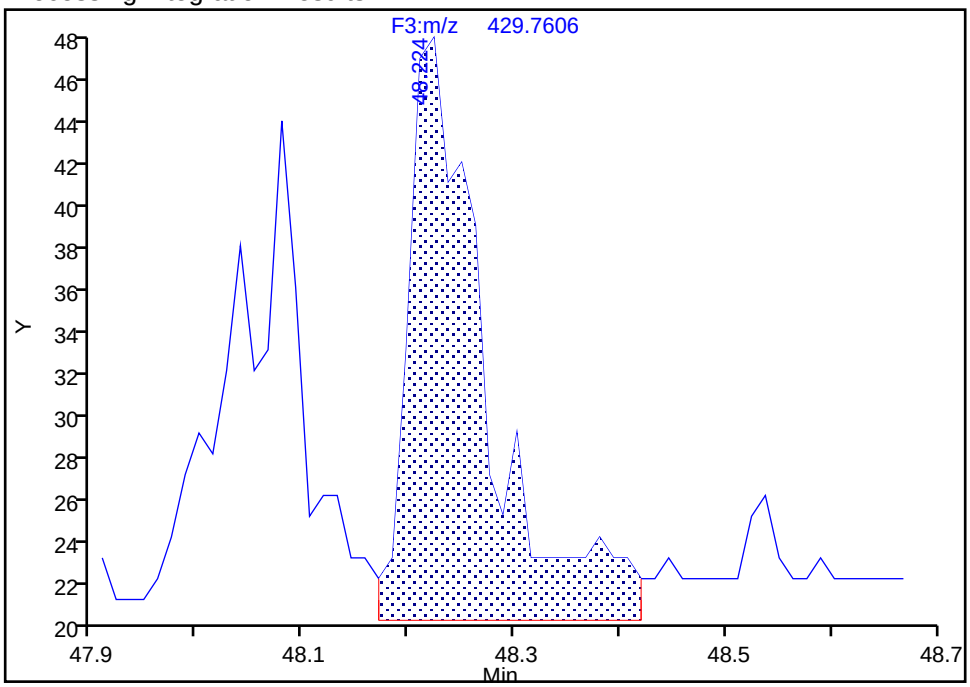
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-203, CAS: 52663-76-0

Signal: 2

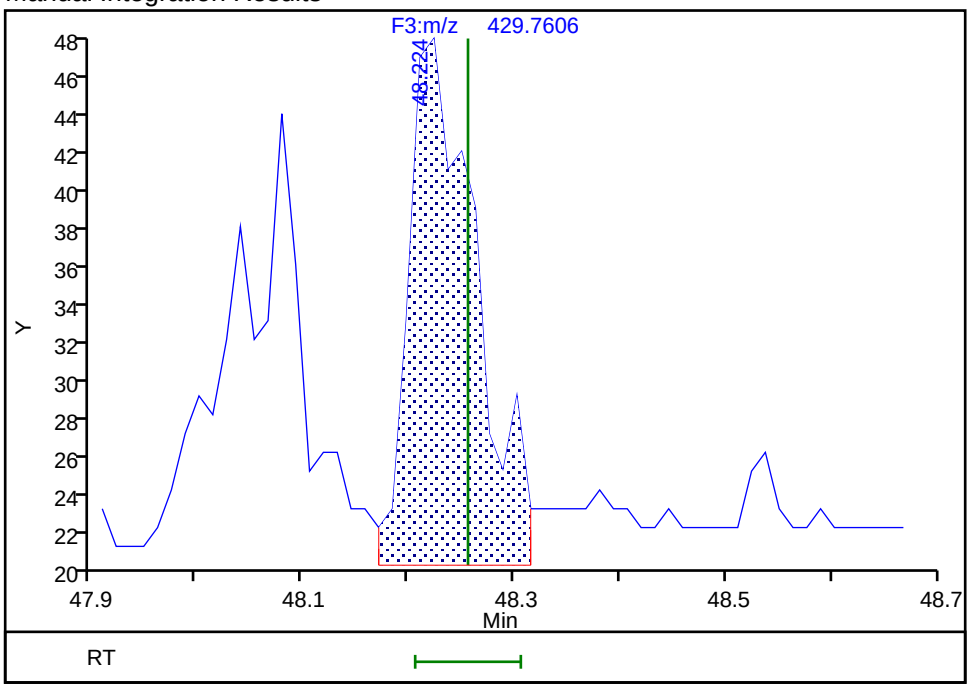
Processing Integration Results

RT: 48.22
Area: 142
Amount: 0.152031
Amount Units: pg/ul




Manual Integration Results

RT: 48.22
Area: 122
Amount: 0.100863
Amount Units: pg/ul



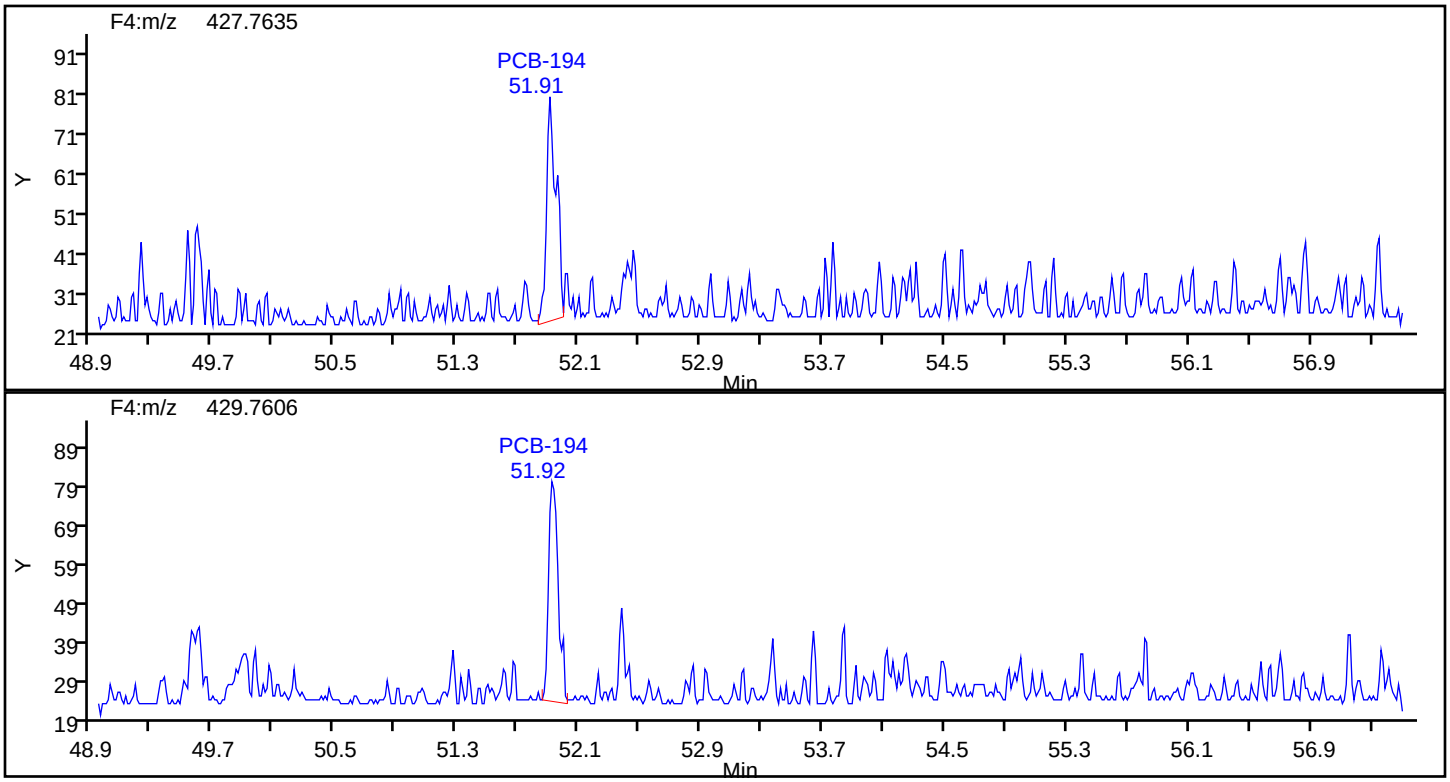

Reviewer: parslyt, 24-Sep-2019 21:49:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

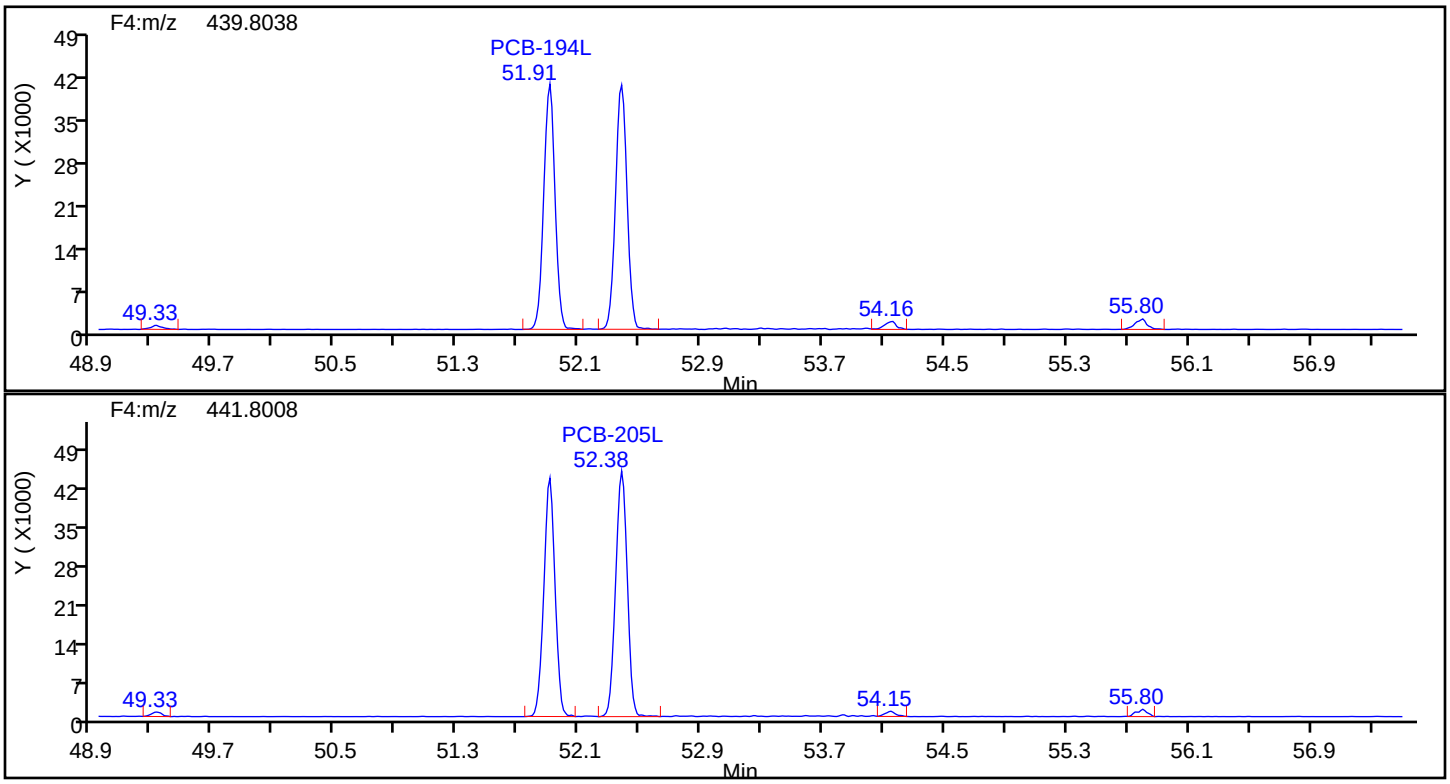
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



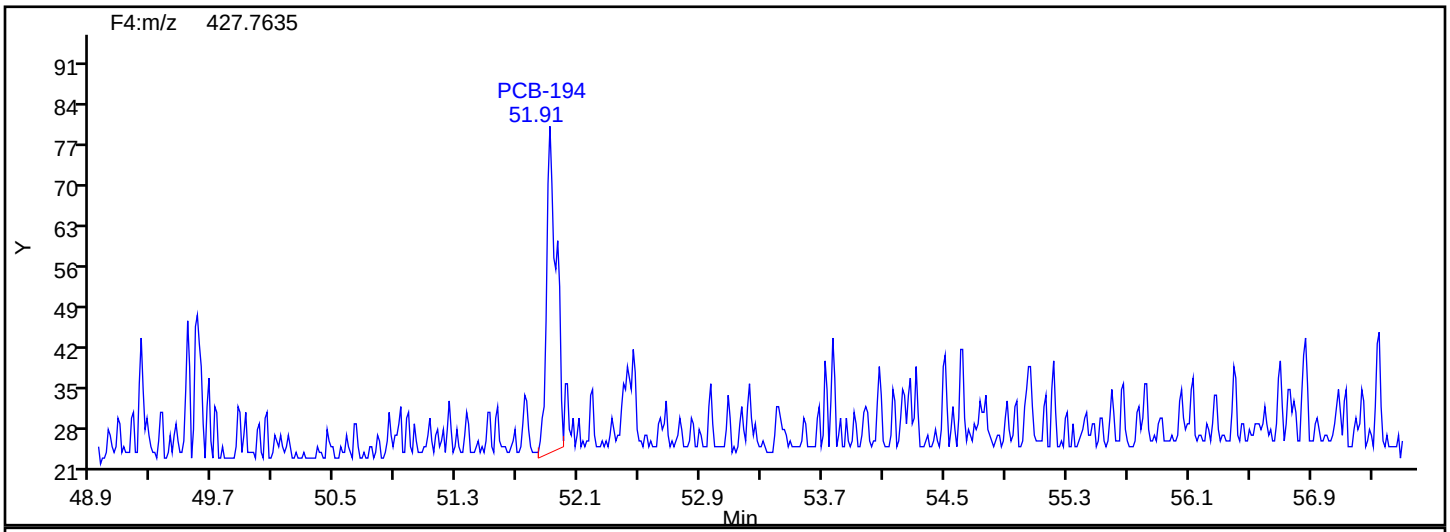

OcPCB F4 Standards

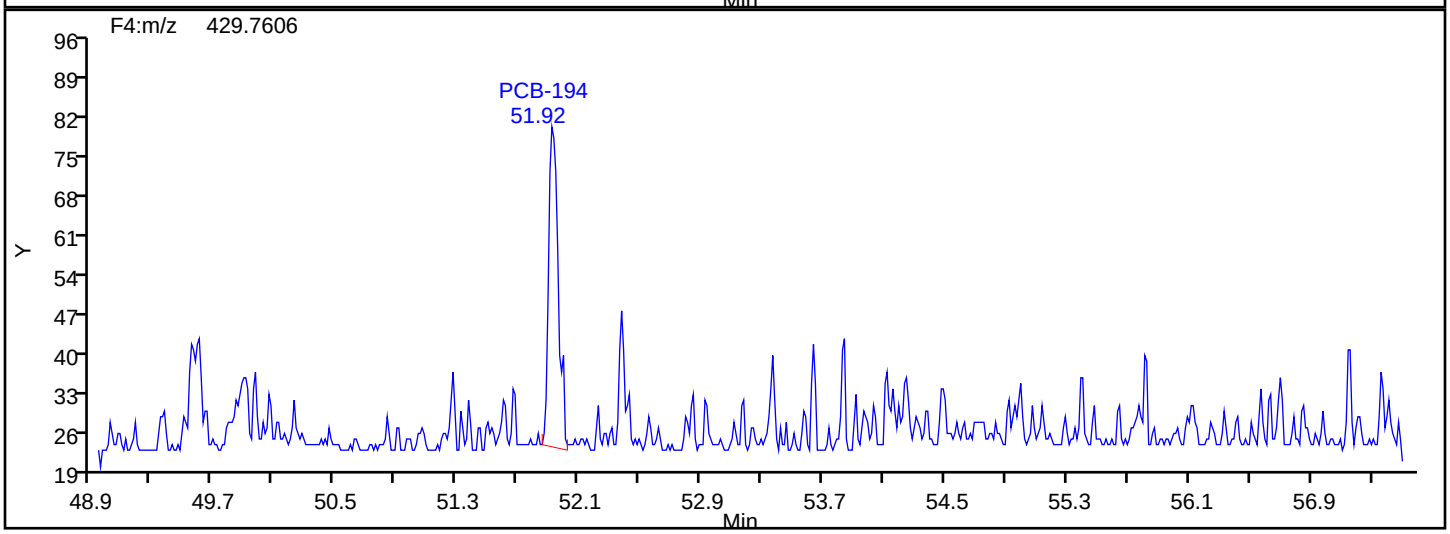


Eurofins TestAmerica, Knoxville

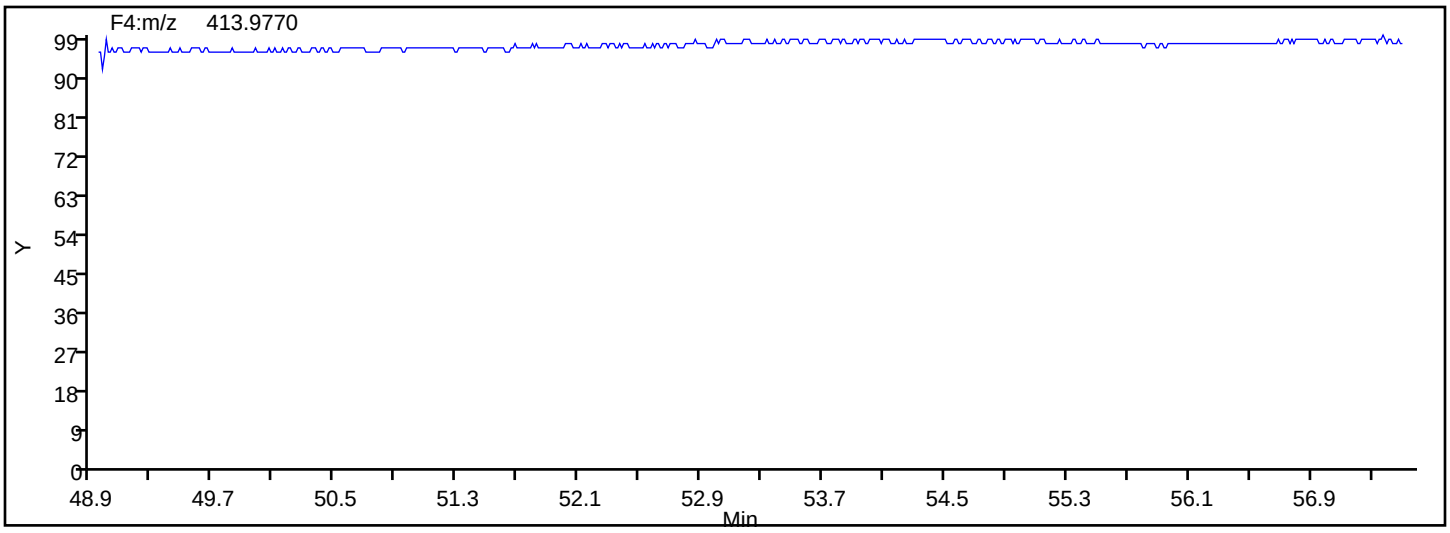
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

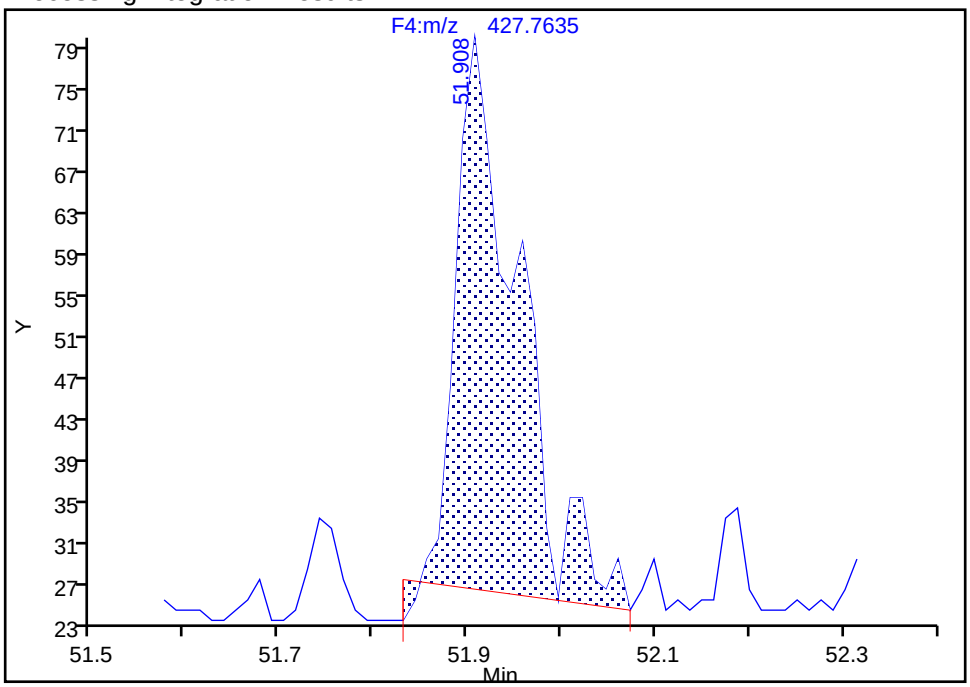
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-194, CAS: 35694-08-7

Signal: 1

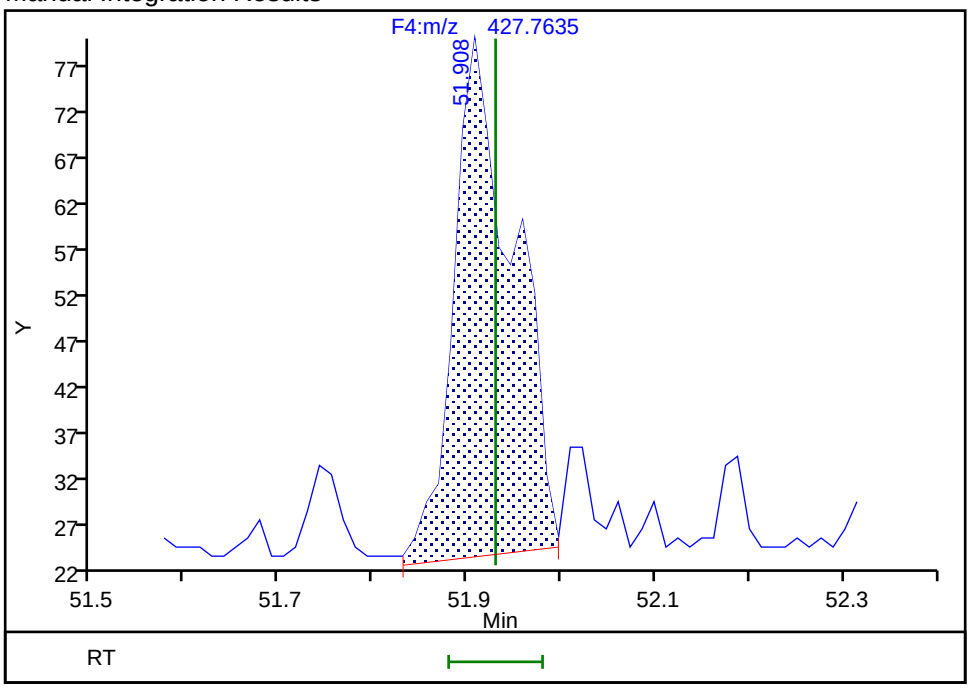
Processing Integration Results

RT: 51.91
Area: 246
Amount: 0.119243
Amount Units: pg/ul




Manual Integration Results

RT: 51.91
Area: 253
Amount: 0.121887
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:49:56

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

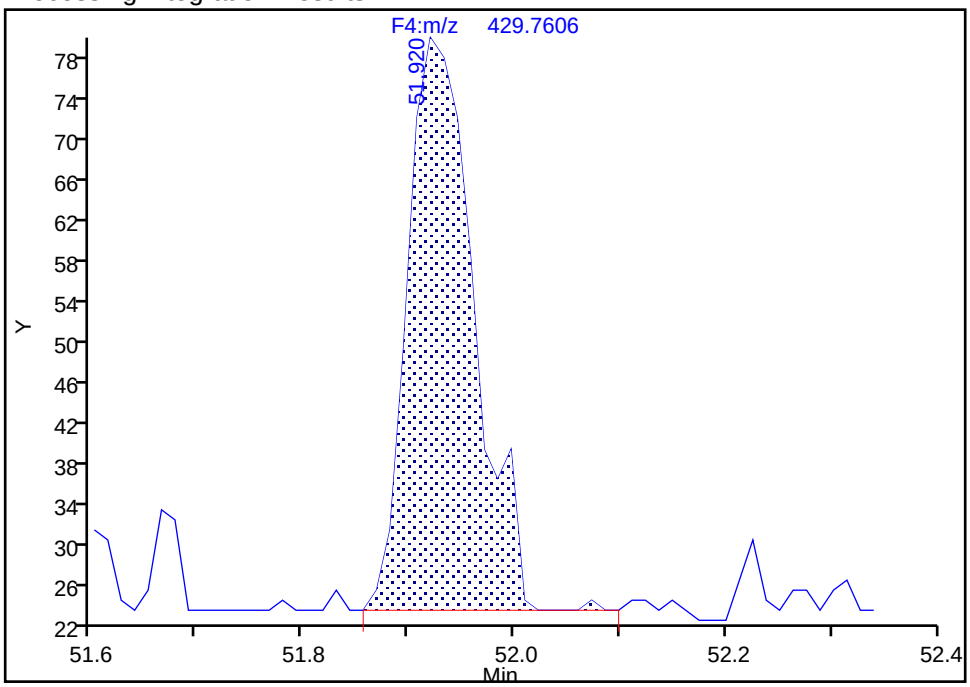
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Instrument ID: | D3D | | |
| Lims ID: | 580-88908-A-74-A | Lab Sample ID: | 140-88908-74 | | |
| Client ID: | 711-82719 | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 9 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-194, CAS: 35694-08-7

Signal: 2

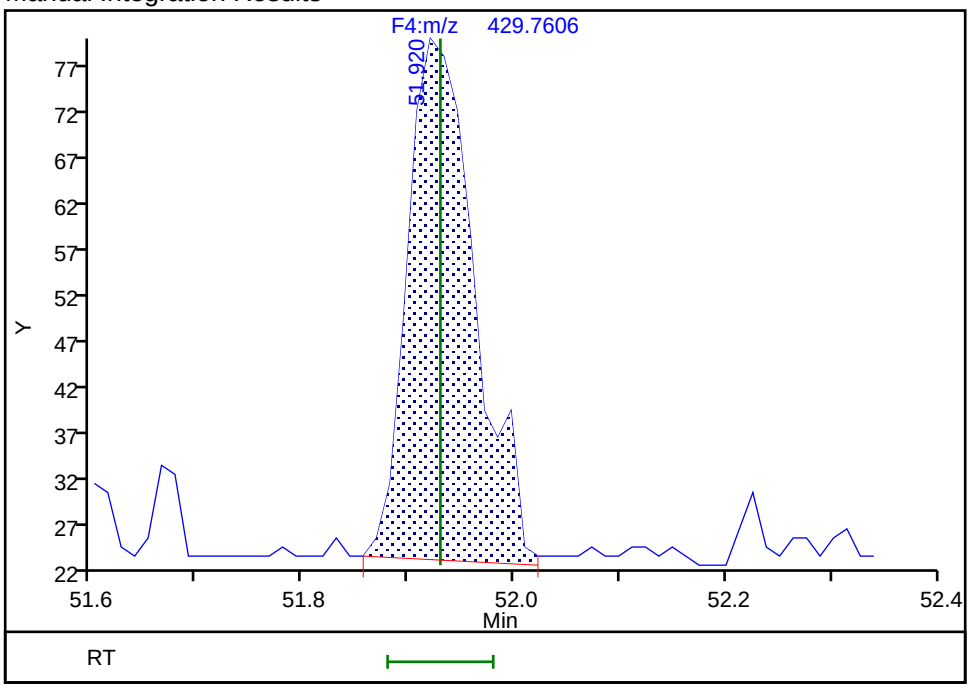
Processing Integration Results

RT: 51.92
Area: 250
Amount: 0.119243
Amount Units: pg/ul




Manual Integration Results

RT: 51.92
Area: 254
Amount: 0.121887
Amount Units: pg/ul

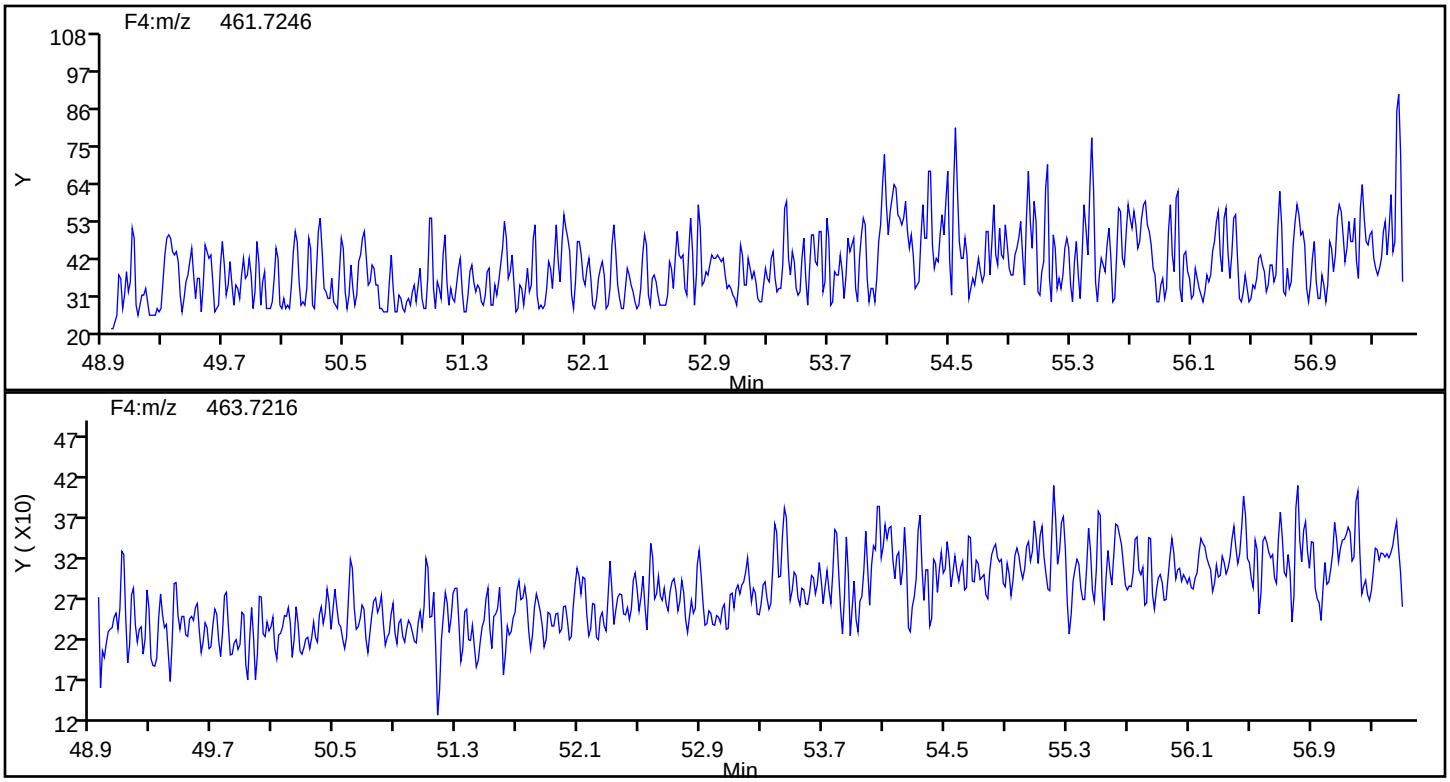



Reviewer: parslyt, 24-Sep-2019 21:50:41
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

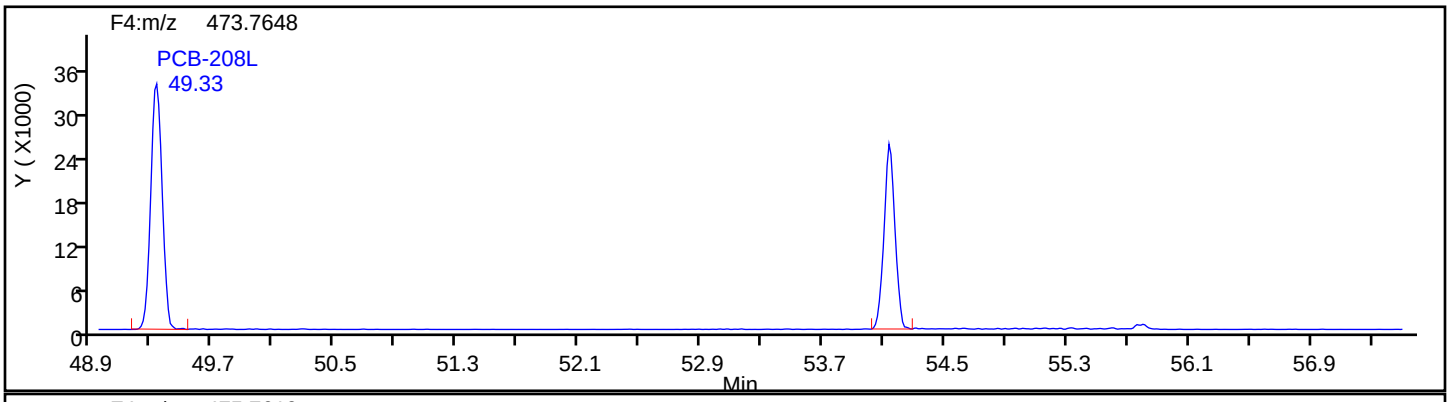
NoPCB F4

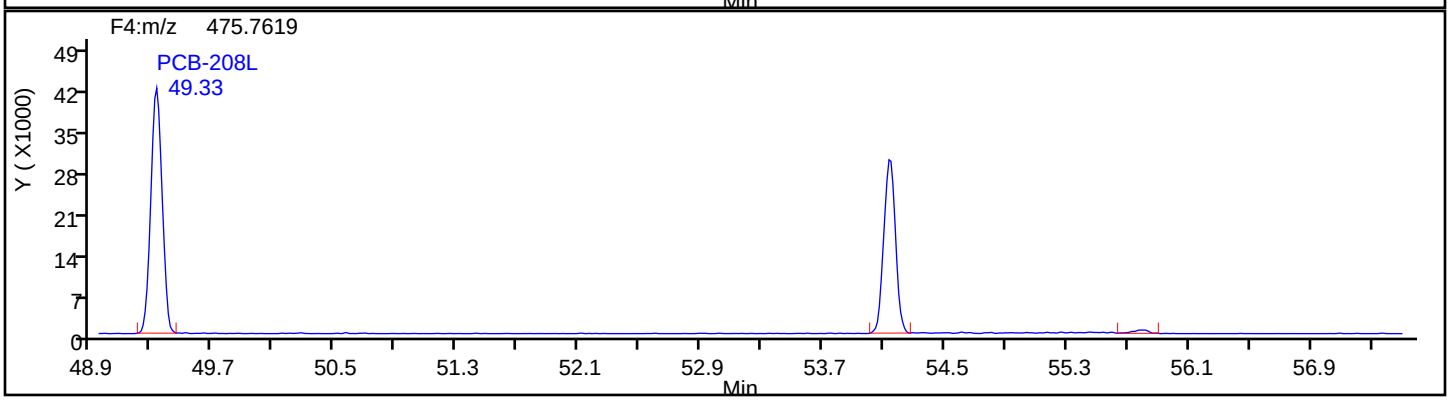






NoPCB F4 Standards



Report Date: 24-Sep-2019 21:51:22 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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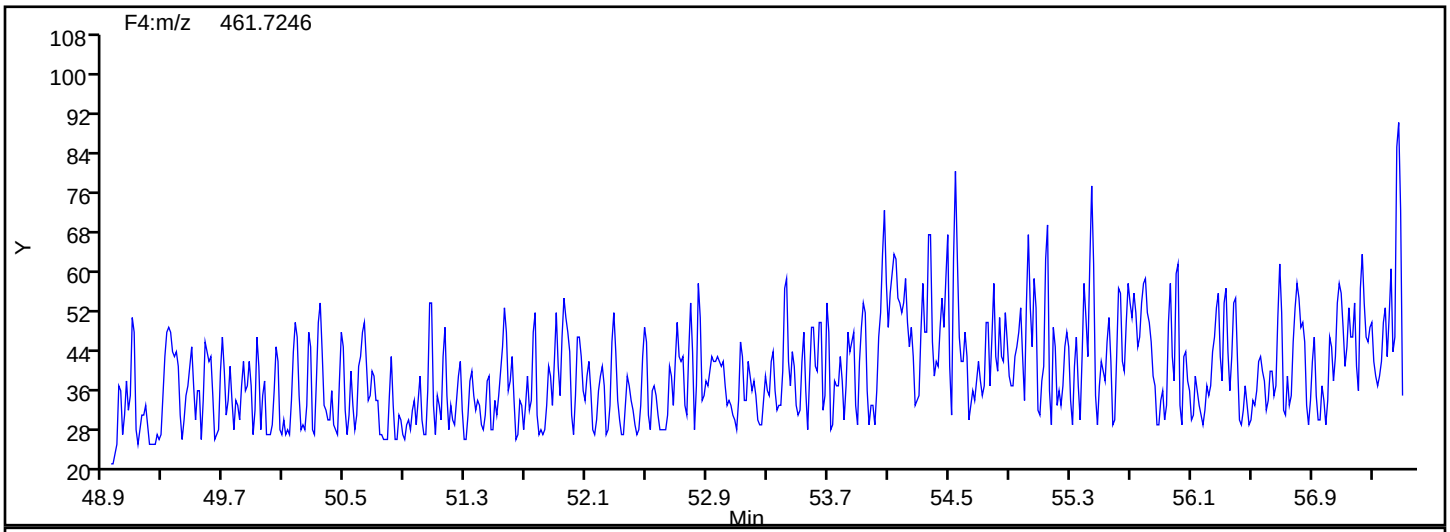
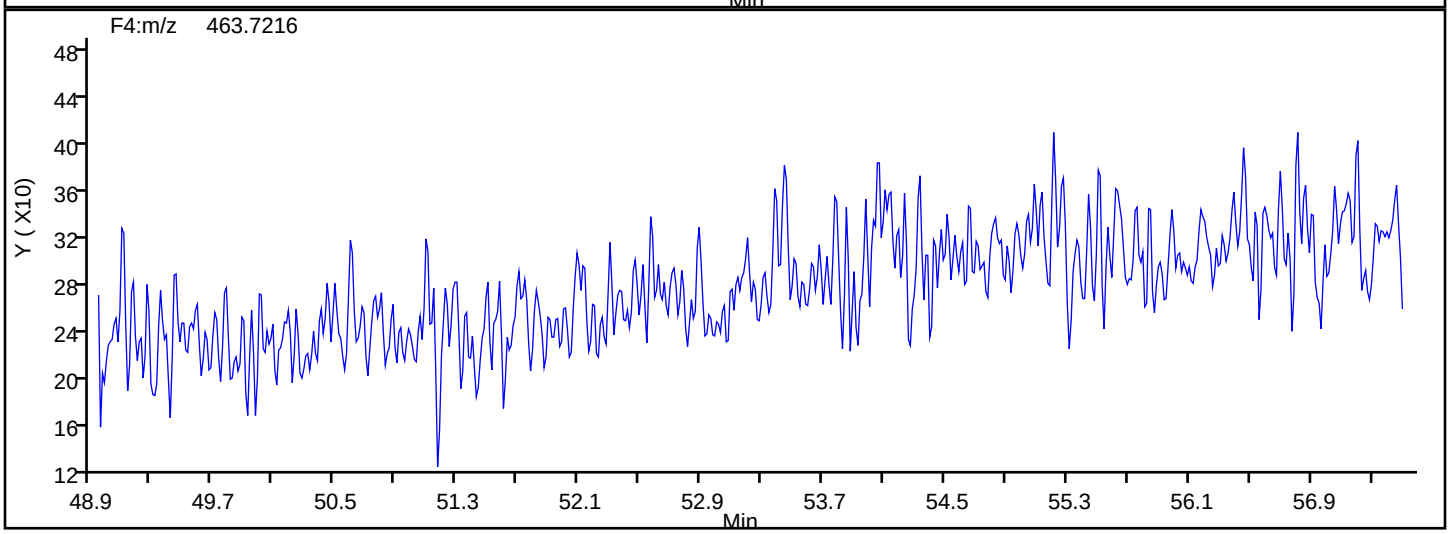
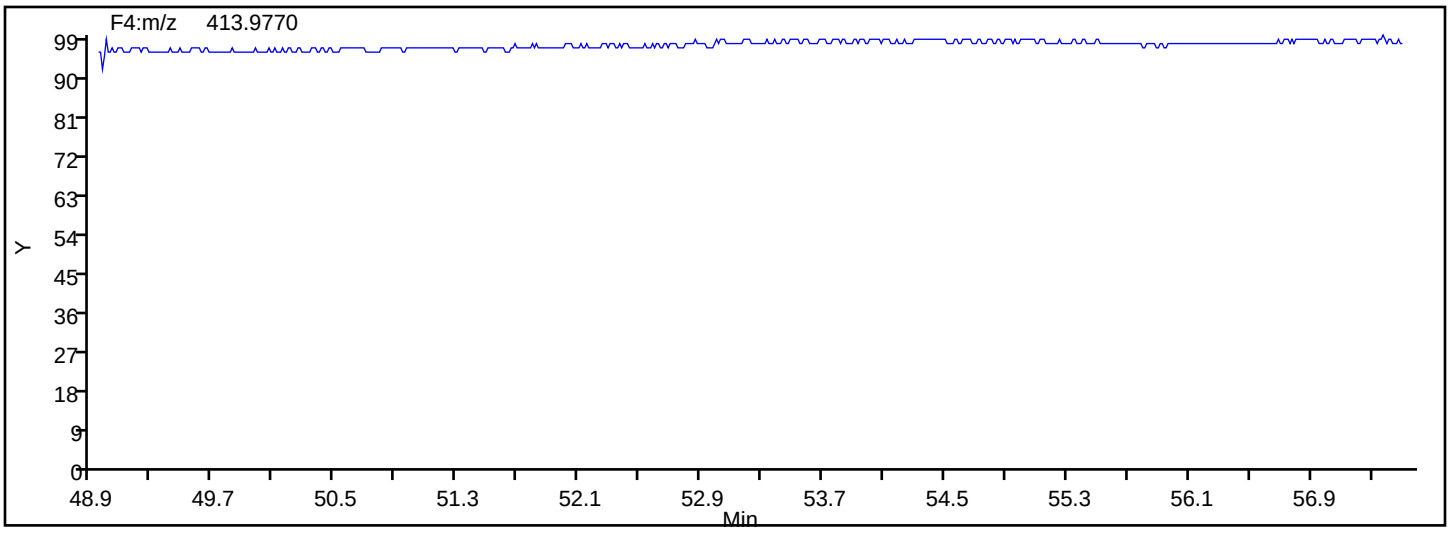
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass

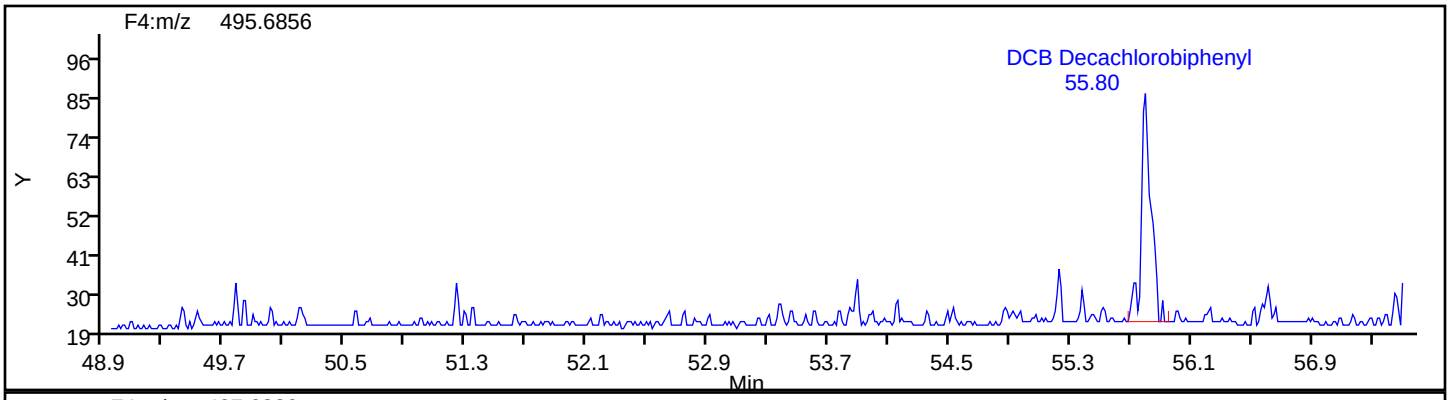


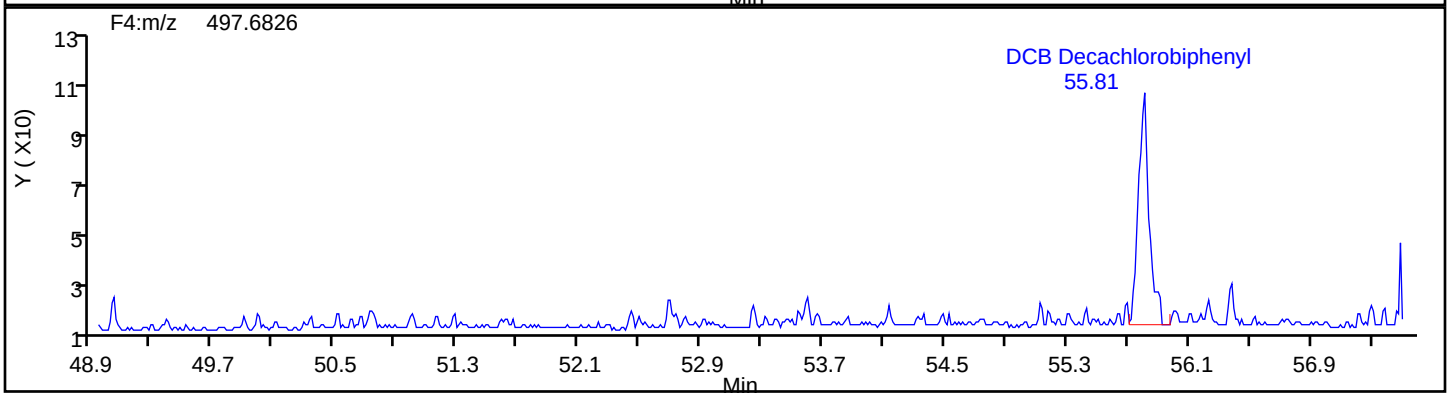
Report Date: 24-Sep-2019 21:51:22 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

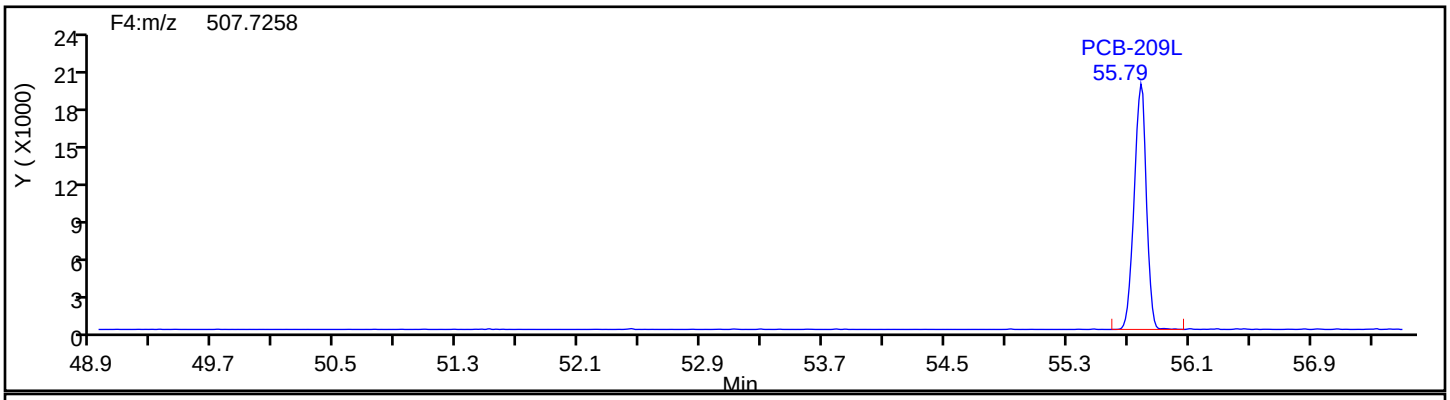
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

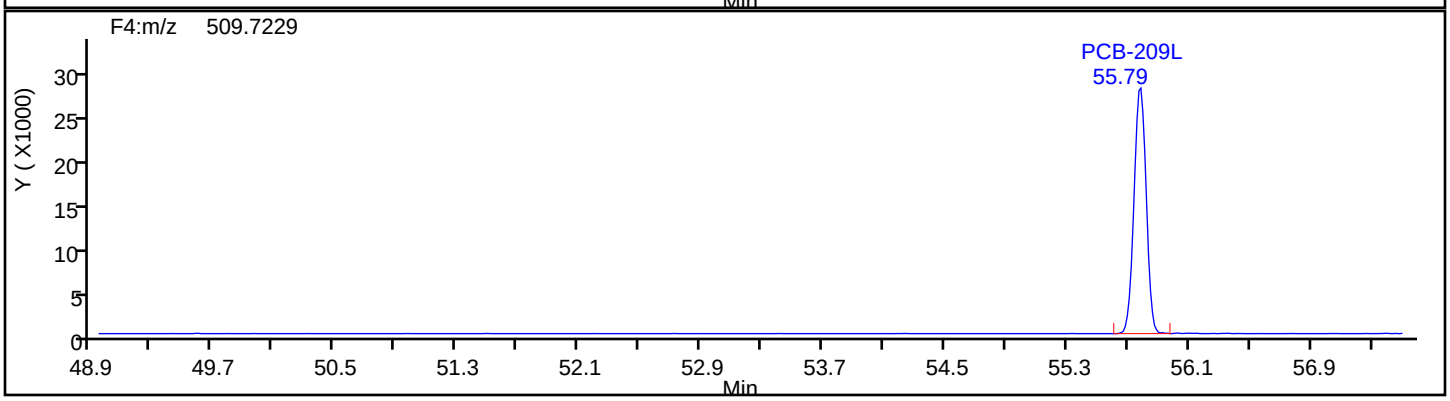
DePCB F4




DePCB F4 Standards

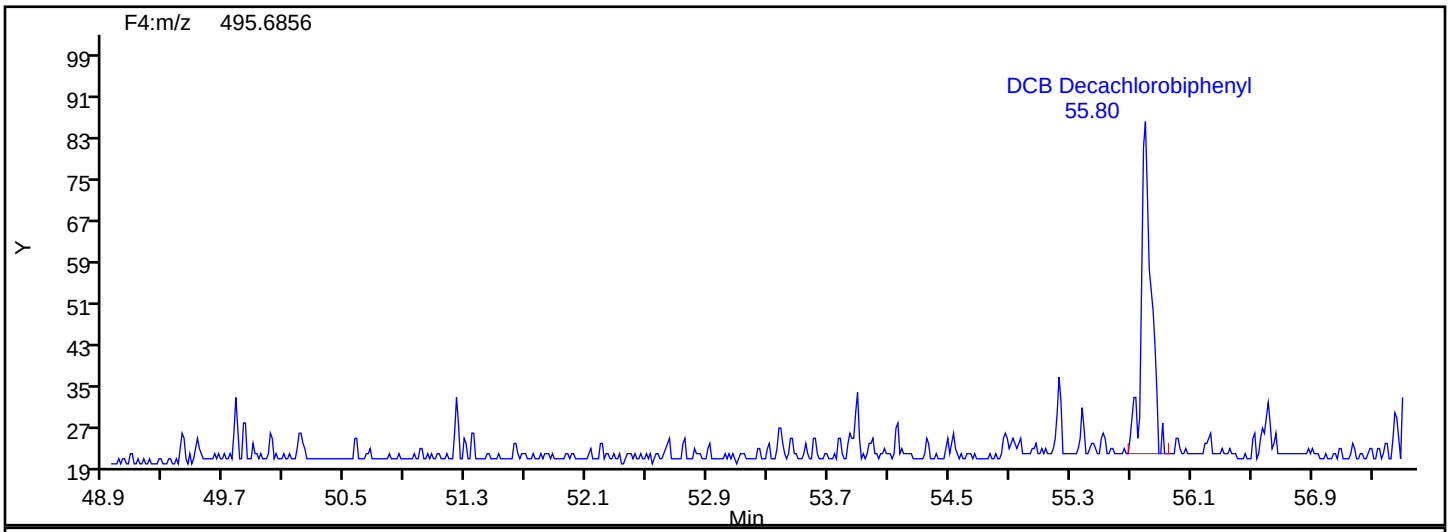


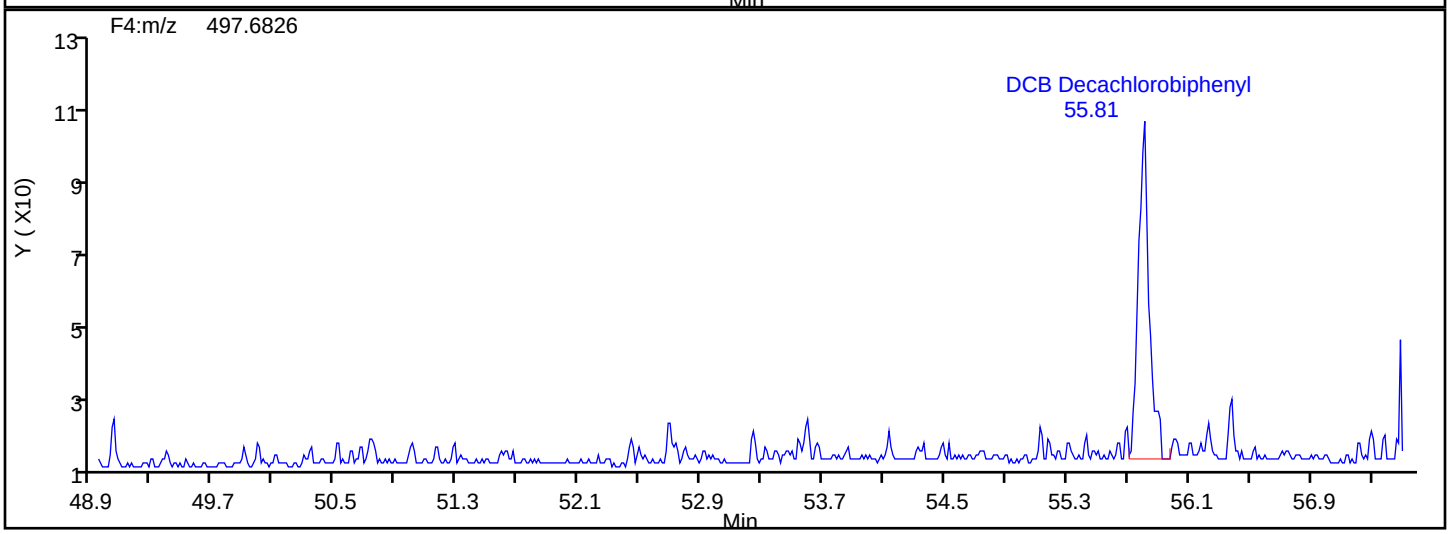



Eurofins TestAmerica, Knoxville

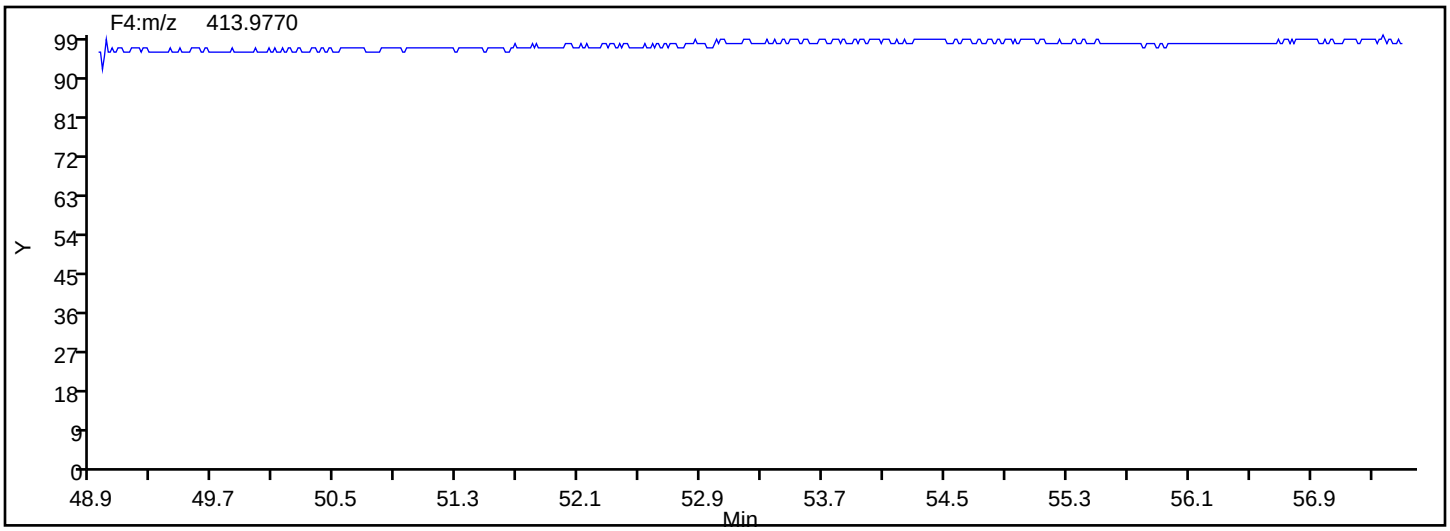
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\580-88908-a-74-a.d | | |
| Injection Date: | 24-Sep-2019 17:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | 711-82719 | | |
| Worklist#: | 33865 | Sample Line#: | 9 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1  Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D  GC Column: SPB-Octyl  ID: 0.25(mm)  Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37  Calibration End Date: 08/21/2019 19:05  Calibration ID: 2117

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 140-33168/1 | d4190821i1c.d |
| Level 2 | IC 140-33168/2 | d4190821i2.d |
| Level 3 | IC 140-33168/3 | d4190821i3.d |
| Level 4 | IC 140-33168/4 | d4190821i4.d |
| Level 5 | IC 140-33168/5 | d4190821i5.d |
| Level 6 | IC 140-33168/6 | d4190821i6.d |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-1 | 1.0677 1.4328 | 1.1803 | 1.1651 | 1.1393 | 1.1442 | AveID | | 1.1883 | | | | 10.6 | | 20.0 | | | |
| PCB-2 | 1.1118 1.3972 | 1.2050 | 1.1554 | 1.1254 | 1.1516 | AveID | | 1.1911 | | | | 8.9 | | 35.0 | | | |
| PCB-3 | 1.2644 1.3331 | 1.2576 | 1.1752 | 1.1304 | 1.1173 | AveID | | 1.2130 | | | | 7.0 | | 20.0 | | | |
| PCB-4 | 1.2341 1.2975 | 1.3301 | 1.2437 | 1.2182 | 1.1963 | AveID | | 1.2533 | | | | 4.0 | | 20.0 | | | |
| PCB-10 | 1.4405 1.5087 | 1.5169 | 1.5501 | 1.4970 | 1.3836 | AveID | | 1.4828 | | | | 4.1 | | 35.0 | | | |
| PCB-9 | 1.4762 1.4052 | 1.4640 | 1.4705 | 1.3925 | 1.3114 | AveID | | 1.4200 | | | | 4.5 | | 35.0 | | | |
| PCB-7 | 1.6793 1.6604 | 1.6569 | 1.6612 | 1.5885 | 1.5000 | AveID | | 1.6244 | | | | 4.2 | | 35.0 | | | |
| PCB-6 | 1.5999 1.5339 | 1.6641 | 1.5991 | 1.5105 | 1.4158 | AveID | | 1.5539 | | | | 5.6 | | 35.0 | | | |
| PCB-5 | 1.5910 1.5666 | 1.7025 | 1.5503 | 1.5217 | 1.4317 | AveID | | 1.5606 | | | | 5.7 | | 35.0 | | | |
| PCB-8 | 1.6271 1.6039 | 1.6854 | 1.6000 | 1.5288 | 1.4850 | AveID | | 1.5884 | | | | 4.5 | | 35.0 | | | |
| PCB-19 | 1.3129 1.3010 | 1.3484 | 1.3198 | 1.2779 | 1.2684 | AveID | | 1.3047 | | | | 2.2 | | 20.0 | | | |
| PCB-14 | 1.9949 1.9112 | 1.9786 | 1.8796 | 1.7653 | 1.7130 | AveID | | 1.8738 | | | | 6.1 | | 35.0 | | | |
| PCB-18 | 1.8469 1.9346 | 1.8832 | 1.8017 | 1.7324 | 1.7138 | AveID | | 1.8188 | | | | 4.7 | | 35.0 | | | |
| PCB-18/30 | 1.8469 1.9346 | 1.8832 | 1.8017 | 1.7324 | 1.7138 | AveID | | 1.8188 | | | | 4.7 | | 35.0 | | | |
| PCB-30 | 1.8469 1.9346 | 1.8832 | 1.8017 | 1.7324 | 1.7138 | AveID | | 1.8188 | | | | 4.7 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-11 | 1.8548 1.6340 | 1.7237 | 1.6266 | 1.4965 | 1.4723 | AveID | | 1.6347 | | | | 8.7 | | 35.0 | | | |
| PCB-17 | 1.6786 1.5674 | 1.6402 | 1.5395 | 1.4635 | 1.4956 | AveID | | 1.5641 | | | | 5.3 | | 35.0 | | | |
| PCB-12 | 1.7397 1.7503 | 1.7500 | 1.6042 | 1.4984 | 1.5035 | AveID | | 1.6410 | | | | 7.4 | | 35.0 | | | |
| PCB-12/13 | 1.7397 1.7503 | 1.7500 | 1.6042 | 1.4984 | 1.5035 | AveID | | 1.6410 | | | | 7.4 | | 35.0 | | | |
| PCB-13 | 1.7397 1.7503 | 1.7500 | 1.6042 | 1.4984 | 1.5035 | AveID | | 1.6410 | | | | 7.4 | | 35.0 | | | |
| PCB-27 | 2.2543 2.3352 | 2.2148 | 2.0681 | 2.0236 | 2.1122 | AveID | | 2.1680 | | | | 5.5 | | 35.0 | | | |
| PCB-24 | 2.2417 2.1116 | 2.3188 | 1.9968 | 1.9819 | 1.9600 | AveID | | 2.1018 | | | | 7.1 | | 35.0 | | | |
| PCB-16 | 1.3152 1.2414 | 1.3050 | 1.1712 | 1.1241 | 1.1992 | AveID | | 1.2260 | | | | 6.2 | | 35.0 | | | |
| PCB-15 | 1.5587 1.3552 | 1.5217 | 1.4038 | 1.3153 | 1.2597 | AveID | | 1.4024 | | | | 8.4 | | 20.0 | | | |
| PCB-54 | 1.4638 1.1807 | 1.3108 | 1.2136 | 1.1712 | 1.1947 | AveID | | 1.2558 | | | | 9.1 | | 20.0 | | | |
| PCB-32 | 2.5867 2.3359 | 2.5010 | 2.2902 | 2.1607 | 2.1748 | AveID | | 2.3416 | | | | 7.4 | | 35.0 | | | |
| PCB-34 | 1.2505 1.1853 | 1.3312 | 1.2437 | 1.1924 | 1.0894 | AveID | | 1.2154 | | | | 6.7 | | 35.0 | | | |
| PCB-23 | 1.3714 1.2280 | 1.4102 | 1.2614 | 1.2116 | 1.1224 | AveID | | 1.2675 | | | | 8.4 | | 35.0 | | | |
| PCB-26 | 1.4204 1.4142 | 1.3974 | 1.2846 | 1.2442 | 1.1548 | AveID | | 1.3193 | | | | 8.3 | | 35.0 | | | |
| PCB-26/29 | 1.4204 1.4142 | 1.3974 | 1.2846 | 1.2442 | 1.1548 | AveID | | 1.3193 | | | | 8.3 | | 35.0 | | | |
| PCB-29 | 1.4204 1.4142 | 1.3974 | 1.2846 | 1.2442 | 1.1548 | AveID | | 1.3193 | | | | 8.3 | | 35.0 | | | |
| PCB-25 | 1.4923 1.3075 | 1.5098 | 1.3376 | 1.2856 | 1.1810 | AveID | | 1.3523 | | | | 9.4 | | 35.0 | | | |
| PCB-50 | 1.0128 0.9046 | 0.9975 | 0.9463 | 0.9204 | 0.8355 | AveID | | 0.9362 | | | | 6.9 | | 35.0 | | | |
| PCB-50/53 | 1.0128 0.9046 | 0.9975 | 0.9463 | 0.9204 | 0.8355 | AveID | | 0.9362 | | | | 6.9 | | 35.0 | | | |
| PCB-53 | 1.0128 0.9046 | 0.9975 | 0.9463 | 0.9204 | 0.8355 | AveID | | 0.9362 | | | | 6.9 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-31 | 1.5883 1.3308 | 1.5121 | 1.3590 | 1.3007 | 1.1944 | AveID | | 1.3809 | | | | 10.5 | | 35.0 | | | |
| PCB-20 | 1.4109 1.4388 | 1.3676 | 1.2430 | 1.2179 | 1.1561 | AveID | | 1.3057 | | | | 8.8 | | 35.0 | | | |
| PCB-20/28 | 1.4109 1.4388 | 1.3676 | 1.2430 | 1.2179 | 1.1561 | AveID | | 1.3057 | | | | 8.8 | | 35.0 | | | |
| PCB-28 | 1.4109 1.4388 | 1.3676 | 1.2430 | 1.2179 | 1.1561 | AveID | | 1.3057 | | | | 8.8 | | 35.0 | | | |
| PCB-45 | 0.9260 0.8223 | 0.9903 | 0.8932 | 0.8760 | 0.8023 | AveID | | 0.8850 | | | | 7.8 | | 35.0 | | | |
| PCB-45/51 | 0.9260 0.8223 | 0.9903 | 0.8932 | 0.8760 | 0.8023 | AveID | | 0.8850 | | | | 7.8 | | 35.0 | | | |
| PCB-51 | 0.9260 0.8223 | 0.9903 | 0.8932 | 0.8760 | 0.8023 | AveID | | 0.8850 | | | | 7.8 | | 35.0 | | | |
| PCB-21 | 1.4776 1.4427 | 1.4733 | 1.3352 | 1.3140 | 1.2230 | AveID | | 1.3777 | | | | 7.5 | | 35.0 | | | |
| PCB-21/33 | 1.4776 1.4427 | 1.4733 | 1.3352 | 1.3140 | 1.2230 | AveID | | 1.3777 | | | | 7.5 | | 35.0 | | | |
| PCB-33 | 1.4776 1.4427 | 1.4733 | 1.3352 | 1.3140 | 1.2230 | AveID | | 1.3777 | | | | 7.5 | | 35.0 | | | |
| PCB-46 | 0.8655 0.6617 | 0.8356 | 0.7693 | 0.7393 | 0.6832 | AveID | | 0.7591 | | | | 10.7 | | 35.0 | | | |
| PCB-22 | 1.4064 1.1998 | 1.3182 | 1.2638 | 1.1833 | 1.0864 | AveID | | 1.2430 | | | | 9.0 | | 35.0 | | | |
| PCB-52 | 0.9882 0.7944 | 1.0063 | 0.9222 | 0.8854 | 0.7990 | AveID | | 0.8992 | | | | 10.1 | | 35.0 | | | |
| PCB-43 | 1.0947 0.9092 | 1.1130 | 1.0066 | 0.9877 | 0.8849 | AveID | | 0.9993 | | | | 9.3 | | 35.0 | | | |
| PCB-43/73 | 1.0947 0.9092 | 1.1130 | 1.0066 | 0.9877 | 0.8849 | AveID | | 0.9993 | | | | 9.3 | | 35.0 | | | |
| PCB-73 | 1.0947 0.9092 | 1.1130 | 1.0066 | 0.9877 | 0.8849 | AveID | | 0.9993 | | | | 9.3 | | 35.0 | | | |
| PCB-36 | 1.5657 1.3546 | 1.3906 | 1.3142 | 1.2613 | 1.1947 | AveID | | 1.3468 | | | | 9.5 | | 35.0 | | | |
| PCB-49 | 1.2414 1.1100 | 1.2735 | 1.1007 | 1.1001 | 0.9938 | AveID | | 1.1366 | | | | 9.1 | | 35.0 | | | |
| PCB-49/69 | 1.2414 1.1100 | 1.2735 | 1.1007 | 1.1001 | 0.9938 | AveID | | 1.1366 | | | | 9.1 | | 35.0 | | | |
| PCB-69 | 1.2414 1.1100 | 1.2735 | 1.1007 | 1.1001 | 0.9938 | AveID | | 1.1366 | | | | 9.1 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1  Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D  GC Column: SPB-Octyl  ID: 0.25(mm)  Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37  Calibration End Date: 08/21/2019 19:05  Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-39 | 1.5342<br>1.4286 | 1.5024 | 1.3644 | 1.3119 | 1.2407 | AveID | | 1.3970 | | | | 8.1 | | 35.0 | | | |
| PCB-48 | 1.0933<br>0.8610 | 1.0757 | 0.9130 | 0.9003 | 0.8290 | AveID | | 0.9454 | | | | 11.8 | | 35.0 | | | |
| PCB-104 | 1.5781<br>1.4041 | 1.4613 | 1.3289 | 1.2940 | 1.2891 | AveID | | 1.3926 | | | | 8.1 | | 20.0 | | | |
| PCB-44 | 1.1705<br>1.0708 | 1.1285 | 0.9796 | 0.9553 | 0.8891 | AveID | | 1.0323 | | | | 10.5 | | 35.0 | | | |
| PCB-44/47/65 | 1.1705<br>1.0708 | 1.1285 | 0.9796 | 0.9553 | 0.8891 | AveID | | 1.0323 | | | | 10.5 | | 35.0 | | | |
| PCB-47 | 1.1705<br>1.0708 | 1.1285 | 0.9796 | 0.9553 | 0.8891 | AveID | | 1.0323 | | | | 10.5 | | 35.0 | | | |
| PCB-65 | 1.1705<br>1.0708 | 1.1285 | 0.9796 | 0.9553 | 0.8891 | AveID | | 1.0323 | | | | 10.5 | | 35.0 | | | |
| PCB-38 | 1.4783<br>1.4116 | 1.4107 | 1.2494 | 1.1963 | 1.1598 | AveID | | 1.3177 | | | | 10.0 | | 35.0 | | | |
| PCB-59 | 1.4339<br>1.5203 | 1.4711 | 1.3042 | 1.2471 | 1.1890 | AveID | | 1.3609 | | | | 9.8 | | 35.0 | | | |
| PCB-59/62/75 | 1.4339<br>1.5203 | 1.4711 | 1.3042 | 1.2471 | 1.1890 | AveID | | 1.3609 | | | | 9.8 | | 35.0 | | | |
| PCB-62 | 1.4339<br>1.5203 | 1.4711 | 1.3042 | 1.2471 | 1.1890 | AveID | | 1.3609 | | | | 9.8 | | 35.0 | | | |
| PCB-75 | 1.4339<br>1.5203 | 1.4711 | 1.3042 | 1.2471 | 1.1890 | AveID | | 1.3609 | | | | 9.8 | | 35.0 | | | |
| PCB-96 | 1.3134<br>1.3160 | 1.2595 | 1.1594 | 1.1403 | 1.1722 | AveID | | 1.2268 | | | | 6.5 | | 35.0 | | | |
| PCB-42 | 1.0427<br>0.7749 | 0.9378 | 0.8540 | 0.8277 | 0.7652 | AveID | | 0.8670 | | | | 12.3 | | 35.0 | | | |
| PCB-35 | 1.4220<br>1.2304 | 1.2700 | 1.1506 | 1.1351 | 1.0919 | AveID | | 1.2166 | | | | 9.8 | | 35.0 | | | |
| PCB-40 | 1.0411<br>0.8854 | 1.0146 | 0.8998 | 0.8698 | 0.7966 | AveID | | 0.9179 | | | | 10.1 | | 35.0 | | | |
| PCB-40/41/71 | 1.0411<br>0.8854 | 1.0146 | 0.8998 | 0.8698 | 0.7966 | AveID | | 0.9179 | | | | 10.1 | | 35.0 | | | |
| PCB-41 | 1.0411<br>0.8854 | 1.0146 | 0.8998 | 0.8698 | 0.7966 | AveID | | 0.9179 | | | | 10.1 | | 35.0 | | | |
| PCB-71 | 1.0411<br>0.8854 | 1.0146 | 0.8998 | 0.8698 | 0.7966 | AveID | | 0.9179 | | | | 10.1 | | 35.0 | | | |
| PCB-37 | 1.4511<br>1.3246 | 1.3577 | 1.2496 | 1.2009 | 1.1437 | AveID | | 1.2879 | | | | 8.7 | | 20.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-64 | 1.6458<br>1.3466 | 1.5150 | 1.4317 | 1.3364 | 1.2227 | AveID | | 1.4164 | | | | 10.5 | | 35.0 | | | |
| PCB-72 | 1.4734<br>1.2333 | 1.4354 | 1.3303 | 1.2668 | 1.1553 | AveID | | 1.3157 | | | | 9.3 | | 35.0 | | | |
| PCB-103 | 1.1743<br>1.0093 | 1.1054 | 0.9782 | 0.9788 | 0.9524 | AveID | | 1.0331 | | | | 8.5 | | 35.0 | | | |
| PCB-68 | 1.7059<br>1.4123 | 1.6091 | 1.4677 | 1.4047 | 1.2697 | AveID | | 1.4782 | | | | 10.6 | | 35.0 | | | |
| PCB-94 | 1.0007<br>0.8763 | 0.9469 | 0.8825 | 0.8671 | 0.8483 | AveID | | 0.9036 | | | | 6.4 | | 35.0 | | | |
| PCB-57 | 1.5455<br>1.1832 | 1.4083 | 1.2395 | 1.2089 | 1.1048 | AveID | | 1.2817 | | | | 12.8 | | 35.0 | | | |
| PCB-95 | 1.0838<br>0.9363 | 1.0013 | 0.9267 | 0.9154 | 0.9088 | AveID | | 0.9620 | | | | 7.1 | | 35.0 | | | |
| PCB-58 | 1.5015<br>1.2546 | 1.4870 | 1.2730 | 1.2477 | 1.1645 | AveID | | 1.3214 | | | | 10.5 | | 35.0 | | | |
| PCB-100 | 1.0715<br>1.0427 | 1.0467 | 0.9166 | 0.9142 | 0.8923 | AveID | | 0.9806 | | | | 8.3 | | 35.0 | | | |
| PCB-93 | 1.0715<br>1.0427 | 1.0467 | 0.9166 | 0.9142 | 0.8923 | AveID | | 0.9806 | | | | 8.3 | | 35.0 | | | |
| PCB-93/100 | 1.0715<br>1.0427 | 1.0467 | 0.9166 | 0.9142 | 0.8923 | AveID | | 0.9806 | | | | 8.3 | | 35.0 | | | |
| PCB-67 | 1.5987<br>1.3551 | 1.4903 | 1.3439 | 1.3475 | 1.2311 | AveID | | 1.3944 | | | | 9.3 | | 35.0 | | | |
| PCB-102 | 1.1241<br>0.9778 | 1.0440 | 0.9472 | 0.9280 | 0.9118 | AveID | | 0.9888 | | | | 8.2 | | 35.0 | | | |
| PCB-98 | 1.1241<br>0.9778 | 1.0440 | 0.9472 | 0.9280 | 0.9118 | AveID | | 0.9888 | | | | 8.2 | | 35.0 | | | |
| PCB-98/102 | 1.1241<br>0.9778 | 1.0440 | 0.9472 | 0.9280 | 0.9118 | AveID | | 0.9888 | | | | 8.2 | | 35.0 | | | |
| PCB-63 | 1.6885<br>1.3929 | 1.6635 | 1.4083 | 1.3908 | 1.2666 | AveID | | 1.4685 | | | | 11.5 | | 35.0 | | | |
| PCB-88 | 1.1955<br>1.0292 | 1.0252 | 0.9317 | 0.9205 | 0.9293 | AveID | | 1.0052 | | | | 10.5 | | 35.0 | | | |
| PCB-88/91 | 1.1955<br>1.0292 | 1.0252 | 0.9317 | 0.9205 | 0.9293 | AveID | | 1.0052 | | | | 10.5 | | 35.0 | | | |
| PCB-91 | 1.1955<br>1.0292 | 1.0252 | 0.9317 | 0.9205 | 0.9293 | AveID | | 1.0052 | | | | 10.5 | | 35.0 | | | |
| PCB-61 | 1.5127<br>1.4624 | 1.4401 | 1.2888 | 1.2571 | 1.1781 | AveID | | 1.3565 | | | | 9.8 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-61/70/74/76 | 1.5127<br>1.4624 | 1.4401 | 1.2888 | 1.2571 | 1.1781 | AveID | | 1.3565 | | | | 9.8 | | 35.0 | | | |
| PCB-70 | 1.5127<br>1.4624 | 1.4401 | 1.2888 | 1.2571 | 1.1781 | AveID | | 1.3565 | | | | 9.8 | | 35.0 | | | |
| PCB-74 | 1.5127<br>1.4624 | 1.4401 | 1.2888 | 1.2571 | 1.1781 | AveID | | 1.3565 | | | | 9.8 | | 35.0 | | | |
| PCB-76 | 1.5127<br>1.4624 | 1.4401 | 1.2888 | 1.2571 | 1.1781 | AveID | | 1.3565 | | | | 9.8 | | 35.0 | | | |
| PCB-84 | 1.0545<br>0.8026 | 0.9245 | 0.8188 | 0.7859 | 0.7745 | AveID | | 0.8601 | | | | 12.7 | | 35.0 | | | |
| PCB-66 | 1.4820<br>1.1895 | 1.4923 | 1.2130 | 1.2230 | 1.0802 | AveID | | 1.2800 | | | | 13.2 | | 35.0 | | | |
| PCB-55 | 1.5716<br>1.2054 | 1.4114 | 1.2538 | 1.2182 | 1.1104 | AveID | | 1.2951 | | | | 12.9 | | 35.0 | | | |
| PCB-89 | 1.0017<br>0.8428 | 0.9697 | 0.8786 | 0.8440 | 0.8246 | AveID | | 0.8936 | | | | 8.3 | | 35.0 | | | |
| PCB-56 | 1.5161<br>1.1548 | 1.4549 | 1.2117 | 1.1819 | 1.0830 | AveID | | 1.2671 | | | | 13.9 | | 35.0 | | | |
| PCB-121 | 1.6594<br>1.3783 | 1.4558 | 1.3554 | 1.2817 | 1.2521 | AveID | | 1.3971 | | | | 10.6 | | 35.0 | | | |
| PCB-60 | 1.6114<br>1.2459 | 1.4942 | 1.2768 | 1.2130 | 1.1317 | AveID | | 1.3288 | | | | 13.8 | | 35.0 | | | |
| PCB-92 | 1.1163<br>0.9113 | 1.0150 | 0.9178 | 0.8858 | 0.8731 | AveID | | 0.9532 | | | | 9.9 | | 35.0 | | | |
| PCB-80 | 1.6520<br>1.4249 | 1.6267 | 1.4691 | 1.3786 | 1.2650 | AveID | | 1.4694 | | | | 10.1 | | 35.0 | | | |
| PCB-155 | 1.5021<br>1.2447 | 1.4040 | 1.2470 | 1.2023 | 1.2168 | AveID | | 1.3028 | | | | 9.3 | | 20.0 | | | |
| PCB-152 | 1.4405<br>1.2800 | 1.3347 | 1.1664 | 1.1223 | 1.1899 | AveID | | 1.2556 | | | | 9.5 | | 35.0 | | | |
| PCB-101 | 1.2750<br>1.2380 | 1.1666 | 1.0862 | 1.0306 | 1.0236 | AveID | | 1.1367 | | | | 9.4 | | 35.0 | | | |
| PCB-113 | 1.2750<br>1.2380 | 1.1666 | 1.0862 | 1.0306 | 1.0236 | AveID | | 1.1367 | | | | 9.4 | | 35.0 | | | |
| PCB-90 | 1.2750<br>1.2380 | 1.1666 | 1.0862 | 1.0306 | 1.0236 | AveID | | 1.1367 | | | | 9.4 | | 35.0 | | | |
| PCB-90/101/113 | 1.2750<br>1.2380 | 1.1666 | 1.0862 | 1.0306 | 1.0236 | AveID | | 1.1367 | | | | 9.4 | | 35.0 | | | |
| PCB-150 | 1.3495<br>1.2121 | 1.3498 | 1.1980 | 1.1417 | 1.1700 | AveID | | 1.2368 | | | | 7.3 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1  Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D  GC Column: SPB-Octyl  ID: 0.25(mm)  Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37  Calibration End Date: 08/21/2019 19:05  Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-136 | 1.2532<br>1.1657 | 1.2762 | 1.0794 | 1.0603 | 1.1031 | AveID | | 1.1563 | | | | 7.9 | | 35.0 | | | |
| PCB-83 | 1.0534<br>0.9153 | 0.9922 | 0.9056 | 0.8848 | 0.8847 | AveID | | 0.9393 | | | | 7.3 | | 35.0 | | | |
| PCB-83/99 | 1.0534<br>0.9153 | 0.9922 | 0.9056 | 0.8848 | 0.8847 | AveID | | 0.9393 | | | | 7.3 | | 35.0 | | | |
| PCB-99 | 1.0534<br>0.9153 | 0.9922 | 0.9056 | 0.8848 | 0.8847 | AveID | | 0.9393 | | | | 7.3 | | 35.0 | | | |
| PCB-112 | 1.5815<br>1.3778 | 1.3707 | 1.3446 | 1.2802 | 1.2484 | AveID | | 1.3672 | | | | 8.5 | | 35.0 | | | |
| PCB-145 | 1.3922<br>1.1538 | 1.2537 | 1.1391 | 1.0896 | 1.1176 | AveID | | 1.1910 | | | | 9.5 | | 35.0 | | | |
| PCB-79 | 1.6723<br>1.6285 | 1.6209 | 1.5014 | 1.4380 | 1.3914 | AveID | | 1.5421 | | | | 7.4 | | 35.0 | | | |
| PCB-109 | 1.3033<br>1.4413 | 1.1963 | 1.0981 | 1.0603 | 1.0754 | AveID | | 1.1958 | | | | 12.6 | | 35.0 | | | |
| PCB-119 | 1.3033<br>1.4413 | 1.1963 | 1.0981 | 1.0603 | 1.0754 | AveID | | 1.1958 | | | | 12.6 | | 35.0 | | | |
| PCB-125 | 1.3033<br>1.4413 | 1.1963 | 1.0981 | 1.0603 | 1.0754 | AveID | | 1.1958 | | | | 12.6 | | 35.0 | | | |
| PCB-86 | 1.3033<br>1.4413 | 1.1963 | 1.0981 | 1.0603 | 1.0754 | AveID | | 1.1958 | | | | 12.6 | | 35.0 | | | |
| PCB-86/87/97/109/119/125 | 1.3033<br>1.4413 | 1.1963 | 1.0981 | 1.0603 | 1.0754 | AveID | | 1.1958 | | | | 12.6 | | 35.0 | | | |
| PCB-87 | 1.3033<br>1.4413 | 1.1963 | 1.0981 | 1.0603 | 1.0754 | AveID | | 1.1958 | | | | 12.6 | | 35.0 | | | |
| PCB-97 | 1.3033<br>1.4413 | 1.1963 | 1.0981 | 1.0603 | 1.0754 | AveID | | 1.1958 | | | | 12.6 | | 35.0 | | | |
| PCB-78 | 1.8052<br>1.1940 | 1.4134 | 1.2354 | 1.1630 | 1.0790 | AveID | | 1.3150 | | | | 20.1 | | 35.0 | | | |
| PCB-116 | 1.3767<br>1.3023 | 1.2693 | 1.1377 | 1.1072 | 1.0826 | AveID | | 1.2126 | | | | 9.9 | | 35.0 | | | |
| PCB-117 | 1.3767<br>1.3023 | 1.2693 | 1.1377 | 1.1072 | 1.0826 | AveID | | 1.2126 | | | | 9.9 | | 35.0 | | | |
| PCB-85 | 1.3767<br>1.3023 | 1.2693 | 1.1377 | 1.1072 | 1.0826 | AveID | | 1.2126 | | | | 9.9 | | 35.0 | | | |
| PCB-85/116/117 | 1.3767<br>1.3023 | 1.2693 | 1.1377 | 1.1072 | 1.0826 | AveID | | 1.2126 | | | | 9.9 | | 35.0 | | | |
| PCB-110 | 1.5906<br>1.3900 | 1.3904 | 1.2932 | 1.2302 | 1.2122 | AveID | | 1.3511 | | | | 10.3 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-110/115 | 1.5906<br>1.3900 | 1.3904 | 1.2932 | 1.2302 | 1.2122 | AveID | | 1.3511 | | | | 10.3 | | 35.0 | | | |
| PCB-115 | 1.5906<br>1.3900 | 1.3904 | 1.2932 | 1.2302 | 1.2122 | AveID | | 1.3511 | | | | 10.3 | | 35.0 | | | |
| PCB-81 | 1.5484<br>1.2979 | 1.4396 | 1.2512 | 1.2164 | 1.1749 | AveID | | 1.3214 | | | | 10.9 | | 20.0 | | | |
| PCB-82 | 1.0367<br>0.8414 | 0.9140 | 0.8059 | 0.8073 | 0.7998 | AveID | | 0.8675 | | | | 10.7 | | 35.0 | | | |
| PCB-148 | 1.0378<br>0.8885 | 0.9468 | 0.8569 | 0.8131 | 0.8461 | AveID | | 0.8982 | | | | 9.1 | | 35.0 | | | |
| PCB-77 | 1.6500<br>1.3177 | 1.4120 | 1.2842 | 1.1924 | 1.1284 | AveID | | 1.3308 | | | | 13.9 | | 20.0 | | | |
| PCB-111 | 1.6070<br>1.4719 | 1.4794 | 1.3631 | 1.3211 | 1.3145 | AveID | | 1.4262 | | | | 8.0 | | 35.0 | | | |
| PCB-135 | 1.0294<br>0.8515 | 0.9237 | 0.8153 | 0.7821 | 0.8127 | AveID | | 0.8691 | | | | 10.6 | | 35.0 | | | |
| PCB-135/151 | 1.0294<br>0.8515 | 0.9237 | 0.8153 | 0.7821 | 0.8127 | AveID | | 0.8691 | | | | 10.6 | | 35.0 | | | |
| PCB-151 | 1.0294<br>0.8515 | 0.9237 | 0.8153 | 0.7821 | 0.8127 | AveID | | 0.8691 | | | | 10.6 | | 35.0 | | | |
| PCB-120 | 1.7603<br>1.5433 | 1.5201 | 1.4157 | 1.3604 | 1.3447 | AveID | | 1.4907 | | | | 10.4 | | 35.0 | | | |
| PCB-154 | 1.1547<br>1.0240 | 1.1047 | 0.9529 | 0.9132 | 0.9586 | AveID | | 1.0180 | | | | 9.3 | | 35.0 | | | |
| PCB-144 | 1.0885<br>0.8762 | 0.9974 | 0.8716 | 0.8302 | 0.8471 | AveID | | 0.9185 | | | | 11.1 | | 35.0 | | | |
| PCB-147 | 1.1041<br>0.9669 | 1.0406 | 0.9361 | 0.9192 | 0.8811 | AveID | | 0.9747 | | | | 8.5 | | 35.0 | | | |
| PCB-147/149 | 1.1041<br>0.9669 | 1.0406 | 0.9361 | 0.9192 | 0.8811 | AveID | | 0.9747 | | | | 8.5 | | 35.0 | | | |
| PCB-149 | 1.1041<br>0.9669 | 1.0406 | 0.9361 | 0.9192 | 0.8811 | AveID | | 0.9747 | | | | 8.5 | | 35.0 | | | |
| PCB-134 | 1.0540<br>0.7458 | 0.9013 | 0.8253 | 0.8071 | 0.7775 | AveID | | 0.8518 | | | | 13.2 | | 35.0 | | | |
| PCB-134/143 | 1.0540<br>0.7458 | 0.9013 | 0.8253 | 0.8071 | 0.7775 | AveID | | 0.8518 | | | | 13.2 | | 35.0 | | | |
| PCB-143 | 1.0540<br>0.7458 | 0.9013 | 0.8253 | 0.8071 | 0.7775 | AveID | | 0.8518 | | | | 13.2 | | 35.0 | | | |
| PCB-108 | 1.4149<br>1.3626 | 1.2950 | 1.1778 | 1.1573 | 1.1204 | AveID | | 1.2547 | | | | 9.6 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1  Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D  GC Column: SPB-Octyl  ID: 0.25(mm)  Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37  Calibration End Date: 08/21/2019 19:05  Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-108/124 | 1.4149<br>1.3626 | 1.2950 | 1.1778 | 1.1573 | 1.1204 | AveID | | 1.2547 | | | | 9.6 | | 35.0 | | | |
| PCB-124 | 1.4149<br>1.3626 | 1.2950 | 1.1778 | 1.1573 | 1.1204 | AveID | | 1.2547 | | | | 9.6 | | 35.0 | | | |
| PCB-139 | 1.1636<br>0.9785 | 1.0808 | 0.9504 | 0.9245 | 0.8992 | AveID | | 0.9995 | | | | 10.2 | | 35.0 | | | |
| PCB-139/140 | 1.1636<br>0.9785 | 1.0808 | 0.9504 | 0.9245 | 0.8992 | AveID | | 0.9995 | | | | 10.2 | | 35.0 | | | |
| PCB-140 | 1.1636<br>0.9785 | 1.0808 | 0.9504 | 0.9245 | 0.8992 | AveID | | 0.9995 | | | | 10.2 | | 35.0 | | | |
| PCB-107 | 1.4746<br>1.3398 | 1.4834 | 1.3148 | 1.2509 | 1.2843 | AveID | | 1.3580 | | | | 7.2 | | 35.0 | | | |
| PCB-131 | 0.9349<br>0.8056 | 0.9294 | 0.8582 | 0.8178 | 0.8045 | AveID | | 0.8584 | | | | 7.0 | | 35.0 | | | |
| PCB-123 | 1.5260<br>1.3343 | 1.4066 | 1.3003 | 1.2468 | 1.2300 | AveID | | 1.3407 | | | | 8.3 | | 20.0 | | | |
| PCB-106 | 1.4046<br>1.2563 | 1.3538 | 1.2710 | 1.2313 | 1.1322 | AveID | | 1.2749 | | | | 7.5 | | 35.0 | | | |
| PCB-142 | 0.9645<br>0.8048 | 0.9471 | 0.8250 | 0.8193 | 0.7975 | AveID | | 0.8597 | | | | 8.8 | | 35.0 | | | |
| PCB-118 | 1.4456<br>1.2874 | 1.3586 | 1.2581 | 1.2105 | 1.1748 | AveID | | 1.2892 | | | | 7.7 | | 20.0 | | | |
| PCB-132 | 1.1042<br>0.7731 | 0.9617 | 0.8169 | 0.8266 | 0.7978 | AveID | | 0.8801 | | | | 14.5 | | 35.0 | | | |
| PCB-122 | 1.3396<br>1.0945 | 1.2540 | 1.1549 | 1.0824 | 1.0428 | AveID | | 1.1614 | | | | 9.8 | | 35.0 | | | |
| PCB-114 | 1.5995<br>1.3951 | 1.5407 | 1.3403 | 1.2930 | 1.2618 | AveID | | 1.4051 | | | | 9.7 | | 20.0 | | | |
| PCB-188 | 1.4373<br>1.2319 | 1.3441 | 1.2072 | 1.1468 | 1.1339 | AveID | | 1.2502 | | | | 9.5 | | 20.0 | | | |
| PCB-133 | 1.0737<br>0.8269 | 0.9773 | 0.8714 | 0.8587 | 0.8304 | AveID | | 0.9064 | | | | 10.9 | | 35.0 | | | |
| PCB-179 | 1.6758<br>1.3139 | 1.5341 | 1.3472 | 1.3440 | 1.2742 | AveID | | 1.4149 | | | | 11.0 | | 35.0 | | | |
| PCB-165 | 1.3188<br>1.0225 | 1.1814 | 1.0945 | 1.0748 | 1.0338 | AveID | | 1.1210 | | | | 10.0 | | 35.0 | | | |
| PCB-105 | 1.4796<br>1.2553 | 1.4224 | 1.2462 | 1.1802 | 1.1489 | AveID | | 1.2887 | | | | 10.3 | | 20.0 | | | |
| PCB-146 | 1.2396<br>0.9209 | 1.0652 | 0.9547 | 0.9246 | 0.9451 | AveID | | 1.0084 | | | | 12.4 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-161 | 1.5253 1.2542 | 1.4684 | 1.3195 | 1.2602 | 1.1943 | AveID | | 1.3370 | | | | 9.8 | | 35.0 | | | |
| PCB-184 | 1.5856 1.3936 | 1.5115 | 1.3668 | 1.3467 | 1.3104 | AveID | | 1.4191 | | | | 7.5 | | 35.0 | | | |
| PCB-176 | 1.7489 1.4402 | 1.6370 | 1.4572 | 1.4511 | 1.3926 | AveID | | 1.5212 | | | | 9.2 | | 35.0 | | | |
| PCB-153 | 1.3807 1.1832 | 1.3474 | 1.1684 | 1.1450 | 1.0993 | AveID | | 1.2207 | | | | 9.4 | | 35.0 | | | |
| PCB-153/168 | 1.3807 1.1832 | 1.3474 | 1.1684 | 1.1450 | 1.0993 | AveID | | 1.2207 | | | | 9.4 | | 35.0 | | | |
| PCB-168 | 1.3807 1.1832 | 1.3474 | 1.1684 | 1.1450 | 1.0993 | AveID | | 1.2207 | | | | 9.4 | | 35.0 | | | |
| PCB-141 | 1.1849 0.8499 | 1.0444 | 0.9010 | 0.9025 | 0.8820 | AveID | | 0.9608 | | | | 13.4 | | 35.0 | | | |
| PCB-186 | 1.6818 1.3556 | 1.5304 | 1.3674 | 1.3569 | 1.3179 | AveID | | 1.4350 | | | | 9.9 | | 35.0 | | | |
| PCB-130 | 1.0161 0.7222 | 0.8981 | 0.8001 | 0.7781 | 0.7500 | AveID | | 0.8274 | | | | 13.3 | | 35.0 | | | |
| PCB-127 | 1.3693 1.2695 | 1.4197 | 1.2582 | 1.1917 | 1.1962 | AveID | | 1.2841 | | | | 7.2 | | 35.0 | | | |
| PCB-137 | 1.2232 0.9802 | 1.1144 | 1.0617 | 1.0001 | 0.9700 | AveID | | 1.0582 | | | | 9.2 | | 35.0 | | | |
| PCB-164 | 1.4661 1.1558 | 1.4259 | 1.1893 | 1.1543 | 1.1247 | AveID | | 1.2527 | | | | 12.1 | | 35.0 | | | |
| PCB-129 | 1.2397 1.0966 | 1.1560 | 1.0351 | 1.0073 | 0.9691 | AveID | | 1.0840 | | | | 9.3 | | 35.0 | | | |
| PCB-129/138/160/163 | 1.2397 1.0966 | 1.1560 | 1.0351 | 1.0073 | 0.9691 | AveID | | 1.0840 | | | | 9.3 | | 35.0 | | | |
| PCB-138 | 1.2397 1.0966 | 1.1560 | 1.0351 | 1.0073 | 0.9691 | AveID | | 1.0840 | | | | 9.3 | | 35.0 | | | |
| PCB-160 | 1.2397 1.0966 | 1.1560 | 1.0351 | 1.0073 | 0.9691 | AveID | | 1.0840 | | | | 9.3 | | 35.0 | | | |
| PCB-163 | 1.2397 1.0966 | 1.1560 | 1.0351 | 1.0073 | 0.9691 | AveID | | 1.0840 | | | | 9.3 | | 35.0 | | | |
| PCB-158 | 1.5815 1.2858 | 1.5099 | 1.3631 | 1.3163 | 1.2605 | AveID | | 1.3862 | | | | 9.4 | | 35.0 | | | |
| PCB-178 | 1.1367 0.9647 | 1.1243 | 0.9638 | 0.9874 | 0.9597 | AveID | | 1.0228 | | | | 8.2 | | 35.0 | | | |
| PCB-175 | 1.1942 1.0110 | 1.2018 | 1.0282 | 1.0086 | 0.9702 | AveID | | 1.0690 | | | | 9.5 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-126 | 1.5228<br>1.3010 | 1.4582 | 1.2884 | 1.2578 | 1.2213 | AveID | | 1.3416 | | | | 9.0 | | 20.0 | | | |
| PCB-128 | 1.2457<br>1.1268 | 1.2099 | 1.0918 | 1.0381 | 0.9866 | AveID | | 1.1165 | | | | 8.9 | | 35.0 | | | |
| PCB-128/166 | 1.2457<br>1.1268 | 1.2099 | 1.0918 | 1.0381 | 0.9866 | AveID | | 1.1165 | | | | 8.9 | | 35.0 | | | |
| PCB-166 | 1.2457<br>1.1268 | 1.2099 | 1.0918 | 1.0381 | 0.9866 | AveID | | 1.1165 | | | | 8.9 | | 35.0 | | | |
| PCB-187 | 1.2704<br>1.0418 | 1.2461 | 1.0389 | 1.0564 | 1.0100 | AveID | | 1.1106 | | | | 10.4 | | 35.0 | | | |
| PCB-182 | 1.3421<br>1.0607 | 1.2631 | 1.0908 | 1.1008 | 1.0327 | AveID | | 1.1484 | | | | 10.8 | | 35.0 | | | |
| PCB-183 | 1.3601<br>1.0759 | 1.2333 | 1.0658 | 1.0706 | 1.0154 | AveID | | 1.1368 | | | | 11.6 | | 35.0 | | | |
| PCB-183/185 | 1.3601<br>1.0759 | 1.2333 | 1.0658 | 1.0706 | 1.0154 | AveID | | 1.1368 | | | | 11.6 | | 35.0 | | | |
| PCB-185 | 1.3601<br>1.0759 | 1.2333 | 1.0658 | 1.0706 | 1.0154 | AveID | | 1.1368 | | | | 11.6 | | 35.0 | | | |
| PCB-174 | 1.0482<br>0.9163 | 1.0504 | 0.9166 | 0.9078 | 0.8888 | AveID | | 0.9547 | | | | 7.8 | | 35.0 | | | |
| PCB-159 | 1.5046<br>1.2599 | 1.4500 | 1.2796 | 1.2281 | 1.1848 | AveID | | 1.3178 | | | | 9.8 | | 35.0 | | | |
| PCB-162 | 1.5384<br>1.2590 | 1.5088 | 1.3653 | 1.2768 | 1.2252 | AveID | | 1.3623 | | | | 9.8 | | 35.0 | | | |
| PCB-177 | 1.1084<br>0.8721 | 1.0263 | 0.9103 | 0.8836 | 0.8547 | AveID | | 0.9426 | | | | 10.8 | | 35.0 | | | |
| PCB-202 | 1.2405<br>0.9933 | 1.1173 | 1.0176 | 0.9791 | 0.9706 | AveID | | 1.0531 | | | | 10.1 | | 20.0 | | | |
| PCB-167 | 1.4962<br>1.3100 | 1.4673 | 1.2890 | 1.2300 | 1.2215 | AveID | | 1.3357 | | | | 8.9 | | 20.0 | | | |
| PCB-181 | 1.2730<br>1.0669 | 1.1894 | 1.0733 | 1.0431 | 0.9992 | AveID | | 1.1075 | | | | 9.3 | | 35.0 | | | |
| PCB-171 | 1.0910<br>0.9428 | 1.0447 | 0.9256 | 0.8992 | 0.8587 | AveID | | 0.9603 | | | | 9.3 | | 35.0 | | | |
| PCB-171/173 | 1.0910<br>0.9428 | 1.0447 | 0.9256 | 0.8992 | 0.8587 | AveID | | 0.9603 | | | | 9.3 | | 35.0 | | | |
| PCB-173 | 1.0910<br>0.9428 | 1.0447 | 0.9256 | 0.8992 | 0.8587 | AveID | | 0.9603 | | | | 9.3 | | 35.0 | | | |
| PCB-201 | 1.3656<br>1.1072 | 1.3656 | 1.1362 | 1.0740 | 1.0675 | AveID | | 1.1860 | | | | 11.9 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-156 | 1.5203<br>1.2772 | 1.3511 | 1.2194 | 1.1599 | 1.1275 | AveID | | 1.2759 | | | | 11.3 | | 20.0 | | | |
| PCB-156/157 | 1.5203<br>1.2772 | 1.3511 | 1.2194 | 1.1599 | 1.1275 | AveID | | 1.2759 | | | | 11.3 | | 35.0 | | | |
| PCB-157 | 1.5203<br>1.2772 | 1.3511 | 1.2194 | 1.1599 | 1.1275 | AveID | | 1.2759 | | | | 11.3 | | 20.0 | | | |
| PCB-204 | 1.3076<br>1.0337 | 1.1774 | 1.0632 | 1.0149 | 1.0083 | AveID | | 1.1009 | | | | 10.8 | | 35.0 | | | |
| PCB-197 | 1.3547<br>1.1137 | 1.3947 | 1.1957 | 1.1011 | 1.0719 | AveID | | 1.2053 | | | | 11.5 | | 35.0 | | | |
| PCB-200 | 1.3849<br>1.0739 | 1.1900 | 1.0657 | 1.0052 | 1.0365 | AveID | | 1.1260 | | | | 12.6 | | 35.0 | | | |
| PCB-172 | 1.2041<br>0.9096 | 1.0738 | 0.9440 | 0.9211 | 0.8982 | AveID | | 0.9918 | | | | 12.3 | | 35.0 | | | |
| PCB-192 | 1.4984<br>1.2146 | 1.3880 | 1.2327 | 1.2332 | 1.1753 | AveID | | 1.2904 | | | | 9.7 | | 35.0 | | | |
| PCB-180 | 1.4082<br>1.1925 | 1.3489 | 1.1612 | 1.1548 | 1.1059 | AveID | | 1.2286 | | | | 9.8 | | 35.0 | | | |
| PCB-180/193 | 1.4082<br>1.1925 | 1.3489 | 1.1612 | 1.1548 | 1.1059 | AveID | | 1.2286 | | | | 9.8 | | 35.0 | | | |
| PCB-193 | 1.4082<br>1.1925 | 1.3489 | 1.1612 | 1.1548 | 1.1059 | AveID | | 1.2286 | | | | 9.8 | | 35.0 | | | |
| PCB-191 | 1.6454<br>1.2928 | 1.4788 | 1.3268 | 1.3052 | 1.2601 | AveID | | 1.3848 | | | | 10.7 | | 35.0 | | | |
| PCB-170 | 1.4927<br>1.1696 | 1.3835 | 1.1857 | 1.2644 | 1.1244 | AveID | | 1.2700 | | | | 11.2 | | 20.0 | | | |
| PCB-190 | 1.6330<br>1.3122 | 1.4805 | 1.3120 | 1.2863 | 1.2404 | AveID | | 1.3774 | | | | 10.8 | | 35.0 | | | |
| PCB-169 | 1.4548<br>1.2153 | 1.3848 | 1.2668 | 1.1959 | 1.1775 | AveID | | 1.2825 | | | | 8.8 | | 20.0 | | | |
| PCB-198 | 0.9896<br>0.7826 | 0.8793 | 0.7820 | 0.7349 | 0.7413 | AveID | | 0.8183 | | | | 12.0 | | 35.0 | | | |
| PCB-198/199 | 0.9896<br>0.7826 | 0.8793 | 0.7820 | 0.7349 | 0.7413 | AveID | | 0.8183 | | | | 12.0 | | 35.0 | | | |
| PCB-199 | 0.9896<br>0.7826 | 0.8793 | 0.7820 | 0.7349 | 0.7413 | AveID | | 0.8183 | | | | 12.0 | | 35.0 | | | |
| PCB-196 | 1.1077<br>0.7876 | 0.9499 | 0.8275 | 0.7914 | 0.7847 | AveID | | 0.8748 | | | | 14.9 | | 35.0 | | | |
| PCB-203 | 1.1308<br>0.8346 | 1.0269 | 0.8776 | 0.8284 | 0.8330 | AveID | | 0.9219 | | | | 13.8 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-208 | 1.3405<br>1.0949 | 1.2730 | 1.1292 | 1.0502 | 1.0525 | AveID | | 1.1567 | | | | 10.5 | | 20.0 | | | |
| PCB-195 | 0.8484<br>0.7577 | 0.8425 | 0.7633 | 0.7433 | 0.7480 | AveID | | 0.7839 | | | | 6.2 | | 35.0 | | | |
| PCB-189 | 1.4489<br>1.2689 | 1.3650 | 1.2406 | 1.1895 | 1.1661 | AveID | | 1.2799 | | | | 8.5 | | 20.0 | | | |
| PCB-207 | 1.6521<br>1.3238 | 1.5350 | 1.3639 | 1.2566 | 1.2470 | AveID | | 1.3964 | | | | 11.7 | | 35.0 | | | |
| PCB-194 | 1.0931<br>0.8886 | 0.9527 | 0.8897 | 0.8711 | 0.8738 | AveID | | 0.9282 | | | | 9.3 | | 35.0 | | | |
| PCB-205 | 1.4235<br>1.1849 | 1.3676 | 1.1726 | 1.1314 | 1.1252 | AveID | | 1.2342 | | | | 10.4 | | 20.0 | | | |
| PCB-206 | 1.3877<br>1.0949 | 1.3411 | 1.1464 | 1.0862 | 1.0999 | AveID | | 1.1927 | | | | 11.4 | | 20.0 | | | |
| PCB-209 | 1.4485<br>1.1699 | 1.3557 | 1.2055 | 1.1386 | 1.1549 | AveID | | 1.2455 | | | | 10.2 | | 20.0 | | | |
| PCB-1L | 1.3344<br>1.2856 | 1.2901 | 1.3090 | 1.3557 | 1.3094 | Ave | | 1.3140 | | | | 2.0 | | 35.0 | | | |
| PCB-3L | 1.3511<br>1.3892 | 1.3178 | 1.3383 | 1.3972 | 1.3756 | Ave | | 1.3615 | | | | 2.3 | | 35.0 | | | |
| PCB-4L | 0.6154<br>0.5777 | 0.6024 | 0.5938 | 0.6079 | 0.6002 | Ave | | 0.5996 | | | | 2.2 | | 35.0 | | | |
| PCB-19L | 0.6049<br>0.5914 | 0.6129 | 0.5976 | 0.6291 | 0.6209 | Ave | | 0.6095 | | | | 2.3 | | 35.0 | | | |
| PCB-15L | 1.0162<br>1.1188 | 0.9790 | 0.9659 | 1.0108 | 1.0775 | Ave | | 1.0280 | | | | 5.7 | | 35.0 | | | |
| PCB-54L | 0.6228<br>0.6453 | 0.6715 | 0.6491 | 0.6674 | 0.6527 | Ave | | 0.6515 | | | | 2.7 | | 35.0 | | | |
| PCB-104L | 1.1436<br>0.9973 | 1.1492 | 1.1111 | 1.2291 | 1.0680 | Ave | | 1.1164 | | | | 7.1 | | 35.0 | | | |
| PCB-37L | 0.8860<br>0.9755 | 0.8728 | 0.8546 | 0.9028 | 0.9229 | Ave | | 0.9024 | | | | 4.8 | | 35.0 | | | |
| PCB-155L | 0.9743<br>0.8461 | 0.9652 | 0.9615 | 1.0612 | 0.8909 | Ave | | 0.9499 | | | | 7.8 | | 35.0 | | | |
| PCB-81L | 1.2308<br>1.3979 | 1.1622 | 1.1432 | 1.1964 | 1.2664 | Ave | | 1.2328 | | | | 7.5 | | 35.0 | | | |
| PCB-77L | 1.2452<br>1.3676 | 1.1888 | 1.1508 | 1.2386 | 1.3226 | Ave | | 1.2523 | | | | 6.5 | | 35.0 | | | |
| PCB-123L | 0.9830<br>1.0325 | 0.9829 | 0.9789 | 0.9897 | 0.9786 | Ave | | 0.9909 | | | | 2.1 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-118L | 1.0354<br>0.9946 | 1.0385 | 1.0240 | 1.0418 | 1.0192 | Ave | | 1.0256 | | | | 1.7 | | 35.0 | | | |
| PCB-114L | 1.0273<br>0.9979 | 1.0208 | 0.9948 | 0.9991 | 0.9781 | Ave | | 1.0030 | | | | 1.8 | | 35.0 | | | |
| PCB-188L | 1.3048<br>1.3135 | 1.3205 | 1.2719 | 1.3840 | 1.3023 | Ave | | 1.3162 | | | | 2.8 | | 35.0 | | | |
| PCB-105L | 1.0311<br>0.9769 | 1.0308 | 0.9797 | 1.0026 | 0.9865 | Ave | | 1.0013 | | | | 2.5 | | 35.0 | | | |
| PCB-126L | 0.9063<br>0.9586 | 0.8953 | 0.8776 | 0.8777 | 0.8965 | Ave | | 0.9020 | | | | 3.3 | | 35.0 | | | |
| PCB-202L | 0.9980<br>0.9839 | 1.0150 | 0.9789 | 1.0556 | 1.0018 | Ave | | 1.0055 | | | | 2.8 | | 35.0 | | | |
| PCB-167L | 1.2847<br>1.2735 | 1.2680 | 1.2398 | 1.2313 | 1.2294 | Ave | | 1.2544 | | | | 1.9 | | 35.0 | | | |
| PCB-156L | 1.2570<br>1.2678 | 1.2141 | 1.2107 | 1.1947 | 1.2292 | Ave | | 1.2289 | | | | 2.3 | | 35.0 | | | |
| PCB-156L/157L | 1.2570<br>1.2678 | 1.2141 | 1.2107 | 1.1947 | 1.2292 | Ave | | 1.2289 | | | | 2.3 | | 35.0 | | | |
| PCB-157L | 1.2570<br>1.2678 | 1.2141 | 1.2107 | 1.1947 | 1.2292 | Ave | | 1.2289 | | | | 2.3 | | 35.0 | | | |
| PCB-170L | 0.8666<br>0.8142 | 0.8562 | 0.8391 | 0.7918 | 0.8464 | Ave | | 0.8357 | | | | 3.3 | | 35.0 | | | |
| PCB-169L | 1.1232<br>1.1614 | 1.0782 | 1.0403 | 1.0275 | 1.0995 | Ave | | 1.0883 | | | | 4.6 | | 35.0 | | | |
| PCB-208L | 1.1461<br>1.1450 | 1.1489 | 1.1347 | 1.0949 | 1.1600 | Ave | | 1.1383 | | | | 2.0 | | 35.0 | | | |
| PCB-189L | 1.4462<br>1.5725 | 1.4504 | 1.4574 | 1.3638 | 1.5092 | Ave | | 1.4666 | | | | 4.8 | | 35.0 | | | |
| PCB-205L | 1.3017<br>1.3278 | 1.2998 | 1.2862 | 1.2050 | 1.2999 | Ave | | 1.2867 | | | | 3.3 | | 35.0 | | | |
| PCB-206L | 0.9198<br>0.8787 | 0.9072 | 0.8913 | 0.8558 | 0.9103 | Ave | | 0.8938 | | | | 2.6 | | 35.0 | | | |
| PCB-209L | 1.0180<br>0.9300 | 1.0035 | 0.9971 | 0.9500 | 0.9865 | Ave | | 0.9809 | | | | 3.5 | | 35.0 | | | |
| PCB-8L | | | 1.5788 | 1.1860 | 1.1608 | AveID | | 1.3085 | | | | 17.9 | | 35.0 | | | |
| PCB-28L | | | 1.2595 | 1.0741 | 0.9591 | Ave | | 1.0975 | | | | 13.8 | | 35.0 | | | |
| PCB-95L | | | 0.8542 | 0.7403 | 0.7364 | AveID | | 0.7770 | | | | 8.6 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| PCB-79L | | | 1.2621 | 1.0485 | 1.0612 | AveID | | 1.1239 | | | | 10.7 | | 35.0 | | | |
| PCB-111L | | | 1.2562 | 1.2965 | 1.1004 | Ave | | 1.2177 | | | | 8.5 | | 35.0 | | | |
| PCB-153L | | | 1.1017 | 0.8915 | 0.8860 | AveID | | 0.9597 | | | | 12.8 | | 35.0 | | | |
| PCB-178L | | | 0.9086 | 0.9819 | 0.8762 | Ave | | 0.9222 | | | | 5.9 | | 35.0 | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---|---|---|
| Level 1 | IC 140-33168/1 | d4190821i1c.d |
| Level 2 | IC 140-33168/2 | d4190821i2.d |
| Level 3 | IC 140-33168/3 | d4190821i3.d |
| Level 4 | IC 140-33168/4 | d4190821i4.d |
| Level 5 | IC 140-33168/5 | d4190821i5.d |
| Level 6 | IC 140-33168/6 | d4190821i6.d |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-1 | | AveID | 29635<br>152260272 | 60493 | 301249 | 2942665 | 24867266 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-2 | | AveID | 31052<br>154451753 | 62423 | 302100 | 2951274 | 25660641 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-3 | | AveID | 35532<br>153079802 | 65837 | 310673 | 3008990 | 25508195 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-4 | | AveID | 15797<br>61961098 | 31831 | 145887 | 1410784 | 11916144 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-10 | | AveID | 24444<br>105778172 | 47648 | 238786 | 2308232 | 19262938 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-9 | | AveID | 25050<br>98526181 | 45986 | 226529 | 2147070 | 18258481 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-7 | | AveID | 28496<br>116418451 | 52046 | 255909 | 2449243 | 20883781 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-6 | | AveID | 27150<br>107547193 | 52272 | 246335 | 2329109 | 19710653 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-5 | | AveID | 26998<br>109842442 | 53478 | 238823 | 2346347 | 19933349 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-8 | | AveID | 27610<br>112458991 | 52940 | 246476 | 2357245 | 20674754 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-19 | | AveID | 9143<br>34954485 | 17400 | 84906 | 822828 | 7172394 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-14 | | AveID | 33852<br>133999258 | 62152 | 289545 | 2721907 | 23849335 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-18 | | AveID | 25723<br>103955789 | 48602 | 231814 | 2230930 | 19382395 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-18/30 | | AveID | 25723<br>103955789 | 48602 | 231814 | 2230930 | 19382395 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-30 | | AveID | 25723<br>103955789 | 48602 | 231814 | 2230930 | 19382395 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-11 | | AveID | 31474<br>114567710 | 54146 | 250576 | 2307528 | 20497777 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-17 | | AveID | 11690<br>42112206 | 21165 | 99038 | 942347 | 8457362 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-12 | | AveID | 59042<br>245446158 | 109943 | 494264 | 4620819 | 41865532 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-12/13 | | AveID | 59042<br>245446158 | 109943 | 494264 | 4620819 | 41865532 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-13 | | AveID | 59042<br>245446158 | 109943 | 494264 | 4620819 | 41865532 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-27 | | AveID | 15699<br>62738940 | 28581 | 133042 | 1302984 | 11944362 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-24 | | AveID | 15611<br>56732674 | 29922 | 128456 | 1276110 | 11083648 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-16 | | AveID | 9159<br>33352172 | 16840 | 75342 | 723817 | 6781223 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-15 | | AveID | 32948<br>125319245 | 59183 | 267846 | 2532939 | 22528547 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-54 | | AveID | 10496<br>34609856 | 18533 | 84803 | 800063 | 7101900 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-32 | | AveID | 18014<br>62758251 | 32274 | 147332 | 1391262 | 12298317 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-34 | | AveID | 38026<br>169050618 | 75133 | 350608 | 3374594 | 28976053 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-23 | | AveID | 41703<br>175140417 | 79595 | 355592 | 3429109 | 29853326 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-26 | | AveID | 86383<br>403411095 | 157750 | 724253 | 7042573 | 61432493 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-26/29 | | AveID | 86383<br>403411095 | 157750 | 724253 | 7042573 | 61432493 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-29 | | AveID | 86383<br>403411095 | 157750 | 724253 | 7042573 | 61432493 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-25 | | AveID | 45378<br>186478705 | 85219 | 377061 | 3638384 | 31411834 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-50 | | AveID | 51152<br>206498120 | 89779 | 419667 | 4041208 | 35613667 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-50/53 | | AveID | 51152<br>206498120 | 89779 | 419667 | 4041208 | 35613667 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-53 | | AveID | 51152<br>206498120 | 89779 | 419667 | 4041208 | 35613667 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-31 | | AveID | 48297<br>189803426 | 85348 | 383109 | 3681168 | 31769902 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-20 | | AveID | 85808<br>410406021 | 154375 | 700784 | 6894018 | 61502862 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-20/28 | | AveID | 85808<br>410406021 | 154375 | 700784 | 6894018 | 61502862 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-28 | | AveID | 85808<br>410406021 | 154375 | 700784 | 6894018 | 61502862 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-45 | | AveID | 46769<br>187725057 | 89134 | 396129 | 3846398 | 34199279 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-45/51 | | AveID | 46769<br>187725057 | 89134 | 396129 | 3846398 | 34199279 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-51 | | AveID | 46769<br>187725057 | 89134 | 396129 | 3846398 | 34199279 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-21 | | AveID | 89864<br>411528332 | 166315 | 752775 | 7437779 | 65062043 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-21/33 | | AveID | 89864<br>411528332 | 166315 | 752775 | 7437779 | 65062043 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-33 | | AveID | 89864<br>411528332 | 166315 | 752775 | 7437779 | 65062043 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-46 | | AveID | 21856<br>75525407 | 37604 | 170589 | 1623140 | 14561053 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-22 | | AveID | 42765<br>171126132 | 74401 | 356260 | 3348880 | 28897362 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-52 | | AveID | 24956<br>90672216 | 45285 | 204488 | 1943889 | 17028661 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-43 | | AveID | 55292<br>207549562 | 100171 | 446416 | 4336762 | 37721085 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-43/73 | | AveID | 55292<br>207549562 | 100171 | 446416 | 4336762 | 37721085 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-73 | | AveID | 55292<br>207549562 | 100171 | 446416 | 4336762 | 37721085 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-36 | | AveID | 47610<br>193196963 | 78488 | 370462 | 3569714 | 31776768 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-49 | | AveID | 62700<br>253391460 | 114625 | 488138 | 4830305 | 42362396 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-49/69 | | AveID | 62700<br>253391460 | 114625 | 488138 | 4830305 | 42362396 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-69 | | AveID | 62700<br>253391460 | 114625 | 488138 | 4830305 | 42362396 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-39 | | AveID | 46651<br>203751809 | 84801 | 384617 | 3712888 | 33000163 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-48 | | AveID | 27610<br>98272807 | 48411 | 202442 | 1976598 | 17668528 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-104 | | AveID | 31095<br>110413744 | 53577 | 232826 | 2213044 | 19939816 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-44 | | AveID | 88678<br>366670262 | 152359 | 651635 | 6291717 | 56851328 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-44/47/65 | | AveID | 88678<br>366670262 | 152359 | 651635 | 6291717 | 56851328 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-47 | | AveID | 88678<br>366670262 | 152359 | 651635 | 6291717 | 56851328 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-65 | | AveID | 88678<br>366670262 | 152359 | 651635 | 6291717 | 56851328 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-38 | | AveID | 44951<br>201326682 | 79624 | 352193 | 3385804 | 30847733 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-59 | | AveID | 108632<br>520585037 | 198612 | 867590 | 8213585 | 76023540 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-59/62/75 | | AveID | 108632<br>520585037 | 198612 | 867590 | 8213585 | 76023540 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-62 | | AveID | 108632<br>520585037 | 198612 | 867590 | 8213585 | 76023540 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-75 | | AveID | 108632<br>520585037 | 198612 | 867590 | 8213585 | 76023540 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-96 | | AveID | 25880<br>103490517 | 46180 | 203124 | 1950213 | 18131068 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-42 | | AveID | 26332<br>88445019 | 42205 | 189358 | 1817079 | 16308589 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-35 | | AveID | 43239<br>175484646 | 71681 | 324345 | 3212497 | 29042243 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-40 | | AveID | 78874<br>303194668 | 136982 | 598544 | 5729021 | 50936397 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-40/41/71 | | AveID | 78874<br>303194668 | 136982 | 598544 | 5729021 | 50936397 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-41 | | AveID | 78874<br>303194668 | 136982 | 598544 | 5729021 | 50936397 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-71 | | AveID | 78874<br>303194668 | 136982 | 598544 | 5729021 | 50936397 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-37 | | AveID | 44126<br>188916926 | 76632 | 352271 | 3398698 | 30420237 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-64 | | AveID | 41562<br>153698323 | 68180 | 317477 | 2934052 | 26059913 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-72 | | AveID | 37208<br>140764520 | 64594 | 294991 | 2781272 | 24624423 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-103 | | AveID | 23139<br>79367725 | 40529 | 171389 | 1674111 | 14731733 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-68 | | AveID | 43081<br>161202811 | 72411 | 325454 | 3083963 | 27061566 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-94 | | AveID | 19719<br>68908326 | 34718 | 154612 | 1482949 | 13120797 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-57 | | AveID | 39029<br>135052840 | 63377 | 274851 | 2654000 | 23547774 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-95 | | AveID | 21355<br>73627709 | 36712 | 162351 | 1565685 | 14057651 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-58 | | AveID | 37917<br>143200602 | 66918 | 282269 | 2739184 | 24819728 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-100 | | AveID | 42226<br>163985862 | 76757 | 321164 | 3126988 | 27602418 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-93 | | AveID | 42226<br>163985862 | 76757 | 321164 | 3126988 | 27602418 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-93/100 | | AveID | 42226<br>163985862 | 76757 | 321164 | 3126988 | 27602418 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-67 | | AveID | 40373<br>154676013 | 67069 | 297988 | 2958470 | 26238720 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-102 | | AveID | 44301<br>153788273 | 76557 | 331906 | 3174177 | 28205854 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-98 | | AveID | 44301<br>153788273 | 76557 | 331906 | 3174177 | 28205854 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-98/102 | | AveID | 44301<br>153788273 | 76557 | 331906 | 3174177 | 28205854 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-63 | | AveID | 42641<br>158990187 | 74863 | 312280 | 3053427 | 26996836 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-88 | | AveID | 47112<br>161872044 | 75176 | 326482 | 3148581 | 28749469 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-88/91 | | AveID | 47112<br>161872044 | 75176 | 326482 | 3148581 | 28749469 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-91 | | AveID | 47112<br>161872044 | 75176 | 326482 | 3148581 | 28749469 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-61 | | AveID | 152802<br>667683512 | 259232 | 1143091 | 11039315 | 100441027 | 2.00<br>8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-61/70/74/76 | | AveID | 152802<br>667683512 | 259232 | 1143091 | 11039315 | 100441027 | 2.00<br>8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-70 | | AveID | 152802<br>667683512 | 259232 | 1143091 | 11039315 | 100441027 | 2.00<br>8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-74 | | AveID | 152802<br>667683512 | 259232 | 1143091 | 11039315 | 100441027 | 2.00<br>8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-76 | | AveID | 152802<br>667683512 | 259232 | 1143091 | 11039315 | 100441027 | 2.00<br>8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-84 | | AveID | 20778<br>63117332 | 33898 | 143449 | 1344137 | 11979007 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-66 | | AveID | 37425<br>135772437 | 67155 | 268967 | 2685042 | 23022529 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-55 | | AveID | 39689<br>137589634 | 63515 | 278022 | 2674419 | 23666262 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-89 | | AveID | 19738<br>66276429 | 35554 | 153929 | 1443509 | 12755151 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-56 | | AveID | 38287<br>131806866 | 65476 | 268692 | 2594900 | 23083523 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-121 | | AveID | 32697<br>108389874 | 53378 | 237469 | 2192027 | 19367352 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-60 | | AveID | 40693<br>142203023 | 67243 | 283116 | 2663106 | 24120394 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-92 | | AveID | 21995<br>71660358 | 37215 | 160798 | 1515004 | 13505587 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-80 | | AveID | 41718<br>162638038 | 73205 | 325763 | 3026713 | 26961704 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-155 | | AveID | 25217<br>83038868 | 43238 | 189076 | 1775424 | 15700173 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-152 | | AveID | 24183<br>85396126 | 41104 | 176852 | 1657250 | 15352985 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-101 | | AveID | 75371<br>292072513 | 128323 | 570910 | 5287793 | 47500483 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-113 | | AveID | 75371<br>292072513 | 128323 | 570910 | 5287793 | 47500483 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-90 | | AveID | 75371<br>292072513 | 128323 | 570910 | 5287793 | 47500483 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-90/101/113 | | AveID | 75371<br>292072513 | 128323 | 570910 | 5287793 | 47500483 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-150 | | AveID | 22656<br>80863694 | 41568 | 181636 | 1685924 | 15096242 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-136 | | AveID | 21038<br>77764846 | 39303 | 163656 | 1565672 | 14233407 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-83 | | AveID | 41512<br>143948890 | 72759 | 317328 | 3026501 | 27368672 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-83/99 | | AveID | 41512<br>143948890 | 72759 | 317328 | 3026501 | 27368672 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-99 | | AveID | 41512<br>143948890 | 72759 | 317328 | 3026501 | 27368672 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-112 | | AveID | 31162<br>108352141 | 50256 | 235571 | 2189579 | 19309969 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-145 | | AveID | 23372<br>76975232 | 38608 | 172706 | 1609000 | 14420939 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-79 | | AveID | 42232<br>185880249 | 72945 | 332914 | 3157102 | 29655368 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-109 | | AveID | 154081<br>680048715 | 263174 | 1154367 | 10880499 | 99803745 | 3.00<br>12000 | 6.00 | 30.0 | 300 | 2400 |
| PCB-119 | | AveID | 154081<br>680048715 | 263174 | 1154367 | 10880499 | 99803745 | 3.00<br>12000 | 6.00 | 30.0 | 300 | 2400 |
| PCB-125 | | AveID | 154081<br>680048715 | 263174 | 1154367 | 10880499 | 99803745 | 3.00<br>12000 | 6.00 | 30.0 | 300 | 2400 |
| PCB-86 | | AveID | 154081<br>680048715 | 263174 | 1154367 | 10880499 | 99803745 | 3.00<br>12000 | 6.00 | 30.0 | 300 | 2400 |
| PCB-86/87/97/109/119/125 | | AveID | 154081<br>680048715 | 263174 | 1154367 | 10880499 | 99803745 | 3.00<br>12000 | 6.00 | 30.0 | 300 | 2400 |
| PCB-87 | | AveID | 154081<br>680048715 | 263174 | 1154367 | 10880499 | 99803745 | 3.00<br>12000 | 6.00 | 30.0 | 300 | 2400 |
| PCB-97 | | AveID | 154081<br>680048715 | 263174 | 1154367 | 10880499 | 99803745 | 3.00<br>12000 | 6.00 | 30.0 | 300 | 2400 |
| PCB-78 | | AveID | 45588<br>136281139 | 63604 | 273939 | 2553375 | 22996840 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-116 | | AveID | 81379<br>307227526 | 139618 | 597969 | 5680814 | 50236356 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-117 | | AveID | 81379<br>307227526 | 139618 | 597969 | 5680814 | 50236356 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-85 | | AveID | 81379<br>307227526 | 139618 | 597969 | 5680814 | 50236356 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-85/116/117 | | AveID | 81379<br>307227526 | 139618 | 597969 | 5680814 | 50236356 | 1.50<br>6000 | 3.00 | 15.0 | 150 | 1200 |
| PCB-110 | | AveID | 62684<br>218611059 | 101957 | 453130 | 4208133 | 37499797 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-110/115 | | AveID | 62684<br>218611059 | 101957 | 453130 | 4208133 | 37499797 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-115 | | AveID | 62684<br>218611059 | 101957 | 453130 | 4208133 | 37499797 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-81 | | AveID | 38876<br>149770757 | 64050 | 276529 | 2624358 | 24498603 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-82 | | AveID | 20427<br>66167749 | 33511 | 141190 | 1380748 | 12370504 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-148 | | AveID | 17422<br>59277690 | 29157 | 129916 | 1200710 | 10917485 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-77 | | AveID | 41910<br>148761431 | 64266 | 285715 | 2663278 | 24571433 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-111 | | AveID | 31664<br>115749347 | 54242 | 238818 | 2259440 | 20332928 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-135 | | AveID | 34564<br>113612301 | 56893 | 247239 | 2309667 | 20973904 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-135/151 | | AveID | 34564<br>113612301 | 56893 | 247239 | 2309667 | 20973904 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-151 | | AveID | 34564<br>113612301 | 56893 | 247239 | 2309667 | 20973904 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-120 | | AveID | 34685<br>121359628 | 55736 | 248031 | 2326693 | 20800013 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-154 | | AveID | 19385<br>68314494 | 34019 | 144479 | 1348490 | 12369172 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-144 | | AveID | 18273<br>58452336 | 30716 | 132147 | 1225934 | 10930009 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-147 | | AveID | 49987<br>200408965 | 85004 | 371588 | 3542569 | 31289518 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-147/149 | | AveID | 49987<br>200408965 | 85004 | 371588 | 3542569 | 31289518 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-149 | | AveID | 49987<br>200408965 | 85004 | 371588 | 3542569 | 31289518 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-134 | | AveID | 47719<br>154582038 | 73624 | 327593 | 3110347 | 27608696 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-134/143 | | AveID | 47719<br>154582038 | 73624 | 327593 | 3110347 | 27608696 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-143 | | AveID | 47719<br>154582038 | 73624 | 327593 | 3110347 | 27608696 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-108 | | AveID | 70396<br>315054227 | 118271 | 525589 | 5051257 | 44827418 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-108/124 | | AveID | 70396<br>315054227 | 118271 | 525589 | 5051257 | 44827418 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-124 | | AveID | 70396<br>315054227 | 118271 | 525589 | 5051257 | 44827418 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-139 | | AveID | 52680<br>202813665 | 88292 | 377274 | 3563098 | 31930694 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-139/140 | | AveID | 52680<br>202813665 | 88292 | 377274 | 3563098 | 31930694 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-140 | | AveID | 52680<br>202813665 | 88292 | 377274 | 3563098 | 31930694 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-107 | | AveID | 36685<br>154884951 | 67736 | 293349 | 2729879 | 25693980 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-131 | | AveID | 21164<br>83484473 | 37962 | 170333 | 1575852 | 14284332 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-123 | | AveID | 37444<br>160533581 | 63530 | 292490 | 2741739 | 24778487 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-106 | | AveID | 34943<br>145235317 | 61821 | 283593 | 2687027 | 22649655 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-142 | | AveID | 21834<br>83407345 | 38685 | 163736 | 1578799 | 14159007 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-118 | | AveID | 37363<br>149198389 | 64839 | 296024 | 2801925 | 24649157 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-132 | | AveID | 24997<br>80126088 | 39282 | 162129 | 1592857 | 14165338 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-122 | | AveID | 33326<br>126526615 | 57263 | 257689 | 2362195 | 20861320 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-114 | | AveID | 41016<br>162222205 | 72278 | 306367 | 2870489 | 25405514 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-188 | | AveID | 31470<br>117928101 | 53716 | 233440 | 2193707 | 19128963 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-133 | | AveID | 24306<br>85692535 | 39918 | 172954 | 1654737 | 14743068 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-179 | | AveID | 30531<br>101872453 | 50529 | 216184 | 2020954 | 17734130 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-165 | | AveID | 29854<br>105969594 | 48254 | 217228 | 2071149 | 18355615 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-105 | | AveID | 38080<br>142895705 | 67379 | 280544 | 2628859 | 23332202 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-146 | | AveID | 28061<br>95435156 | 43506 | 189489 | 1781689 | 16780928 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-161 | | AveID | 34529<br>129985942 | 59977 | 261885 | 2428339 | 21204828 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-184 | | AveID | 28886<br>108051831 | 49784 | 219332 | 2025147 | 18236717 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-176 | | AveID | 31862<br>111668275 | 53917 | 233837 | 2182067 | 19381957 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-153 | | AveID | 62510<br>245235709 | 110066 | 463808 | 4412656 | 39035598 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-153/168 | | AveID | 62510<br>245235709 | 110066 | 463808 | 4412656 | 39035598 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-168 | | AveID | 62510<br>245235709 | 110066 | 463808 | 4412656 | 39035598 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-141 | | AveID | 26822<br>88083280 | 42658 | 178814 | 1739103 | 15660642 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-186 | | AveID | 30639<br>105107050 | 50407 | 219426 | 2040391 | 18342414 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-130 | | AveID | 23002<br>74844561 | 36681 | 158789 | 1499412 | 13316651 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-127 | | AveID | 34065 146765196 | 64830 | 280721 | 2600695 | 23929718 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-137 | | AveID | 27690 101584779 | 45515 | 210709 | 1927094 | 17221912 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-164 | | AveID | 33188 119784248 | 58239 | 236038 | 2224247 | 19969941 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-129 | | AveID | 112251 454601428 | 188865 | 821725 | 7764180 | 68826005 | 2.00 8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-129/138/160/163 | | AveID | 112251 454601428 | 188865 | 821725 | 7764180 | 68826005 | 2.00 8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-138 | | AveID | 112251 454601428 | 188865 | 821725 | 7764180 | 68826005 | 2.00 8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-160 | | AveID | 112251 454601428 | 188865 | 821725 | 7764180 | 68826005 | 2.00 8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-163 | | AveID | 112251 454601428 | 188865 | 821725 | 7764180 | 68826005 | 2.00 8000 | 4.00 | 20.0 | 200 | 1600 |
| PCB-158 | | AveID | 35801 133258309 | 61670 | 270534 | 2536518 | 22380066 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-178 | | AveID | 20709 74798076 | 37031 | 154671 | 1484812 | 13357159 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-175 | | AveID | 21757 78386761 | 39582 | 164997 | 1516592 | 13502356 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-126 | | AveID | 34450 145322101 | 59998 | 259825 | 2453007 | 22540837 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-128 | | AveID | 56397 233562279 | 98831 | 433379 | 4000589 | 35034050 | 1.00 4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-128/166 | | AveID | 56397 233562279 | 98831 | 433379 | 4000589 | 35034050 | 1.00 4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-166 | | AveID | 56397 233562279 | 98831 | 433379 | 4000589 | 35034050 | 1.00 4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-187 | | AveID | 23144 80773464 | 41041 | 166721 | 1588468 | 14057264 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-182 | | AveID | 24450 82240004 | 41604 | 175046 | 1655245 | 14372635 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-183 | | AveID | 49559 166836744 | 81242 | 342077 | 3219653 | 28262842 | 1.00 4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-183/185 | | AveID | 49559 166836744 | 81242 | 342077 | 3219653 | 28262842 | 1.00 4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-185 | | AveID | 49559 166836744 | 81242 | 342077 | 3219653 | 28262842 | 1.00 4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-174 | | AveID | 19097 71048448 | 34598 | 147090 | 1365071 | 12369667 | 0.500 2000 | 1.00 | 5.00 | 50.0 | 400 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-159 | | AveID | 34059<br>130569944 | 59226 | 253955 | 2366513 | 21036748 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-162 | | AveID | 34825<br>130481170 | 61626 | 270981 | 2460285 | 21753274 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-177 | | AveID | 20193<br>67617070 | 33802 | 146078 | 1328705 | 11895552 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-202 | | AveID | 20775<br>71230477 | 34321 | 151437 | 1428490 | 12596736 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-167 | | AveID | 35361<br>139138710 | 63668 | 269837 | 2511265 | 22278824 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-181 | | AveID | 23192<br>82721023 | 39174 | 172244 | 1568574 | 13905789 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-171 | | AveID | 39752<br>146209673 | 68817 | 297081 | 2704300 | 23901931 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-171/173 | | AveID | 39752<br>146209673 | 68817 | 297081 | 2704300 | 23901931 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-173 | | AveID | 39752<br>146209673 | 68817 | 297081 | 2704300 | 23901931 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-201 | | AveID | 22870<br>79398274 | 41949 | 169096 | 1566972 | 13854415 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-156 | | AveID | 70314<br>270090351 | 112265 | 498584 | 4595990 | 41120666 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-156/157 | | AveID | 70314<br>270090351 | 112265 | 498584 | 4595990 | 41120666 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-157 | | AveID | 70314<br>270090351 | 112265 | 498584 | 4595990 | 41120666 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-204 | | AveID | 21898<br>74125825 | 36168 | 158231 | 1480779 | 13086230 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-197 | | AveID | 22687<br>79862479 | 42842 | 177943 | 1606495 | 13910578 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-200 | | AveID | 23193<br>77008171 | 36554 | 158599 | 1466692 | 13451803 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-172 | | AveID | 21936<br>70525820 | 35367 | 151490 | 1385067 | 12501177 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-192 | | AveID | 27299<br>94173268 | 45718 | 197816 | 1854430 | 16356669 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-180 | | AveID | 51311<br>184924746 | 88854 | 372695 | 3473168 | 30783792 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-180/193 | | AveID | 51311<br>184924746 | 88854 | 372695 | 3473168 | 30783792 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-193 | | AveID | 51311<br>184924746 | 88854 | 372695 | 3473168 | 30783792 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-191 | | AveID | 29976<br>100238737 | 48707 | 212919 | 1962655 | 17537203 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-170 | | AveID | 21707<br>69403405 | 35847 | 151262 | 1383873 | 12328709 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-190 | | AveID | 29751<br>101742010 | 48762 | 210540 | 1934185 | 17263071 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-169 | | AveID | 30062<br>117711265 | 51092 | 222540 | 2037605 | 19205556 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-198 | | AveID | 33144<br>112236180 | 54023 | 232746 | 2144389 | 19241219 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-198/199 | | AveID | 33144<br>112236180 | 54023 | 232746 | 2144389 | 19241219 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-199 | | AveID | 33144<br>112236180 | 54023 | 232746 | 2144389 | 19241219 | 1.00<br>4000 | 2.00 | 10.0 | 100 | 800 |
| PCB-196 | | AveID | 18551<br>56478088 | 29180 | 123147 | 1154642 | 10184196 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-203 | | AveID | 18937<br>59851836 | 31545 | 130606 | 1208710 | 10811193 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-208 | | AveID | 29351<br>95345727 | 49428 | 212921 | 1974038 | 17016595 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-195 | | AveID | 21098<br>76512886 | 37010 | 163167 | 1537485 | 13551019 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-189 | | AveID | 40031<br>151753525 | 66908 | 300476 | 2784992 | 24529116 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-207 | | AveID | 32601<br>101868613 | 53329 | 229594 | 2104033 | 17990397 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-194 | | AveID | 27183<br>89727279 | 41850 | 190183 | 1801792 | 15829586 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-205 | | AveID | 35399<br>119652844 | 60075 | 250640 | 2340395 | 20385492 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-206 | | AveID | 24384<br>73166887 | 41115 | 169806 | 1595777 | 13954359 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-209 | | AveID | 28172<br>82741010 | 45977 | 199748 | 1856973 | 15878520 | 0.500<br>2000 | 1.00 | 5.00 | 50.0 | 400 |
| PCB-1L | | Ave | 5551091<br>5313201 | 5125161 | 5171353 | 5165537 | 5433135 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-3L | | Ave | 5620482<br>5741345 | 5235222 | 5287112 | 5323867 | 5707701 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-4L | | Ave | 2560163<br>2387667 | 2393181 | 2346022 | 2316178 | 2490238 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-19L | PCB32L | Ave | 1392796<br>1343350 | 1290429 | 1286615 | 1287759 | 1413720 | 100<br>100 | 100 | 100 | 100 | 100 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-15L | | Ave | 4227552<br>4623729 | 3889169 | 3815985 | 3851417 | 4470951 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-54L | PCB32L | Ave | 1434036<br>1465666 | 1413832 | 1397529 | 1366200 | 1486094 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-104L | PCB101L | Ave | 3940846<br>3931948 | 3666516 | 3504021 | 3420602 | 3866938 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-37L | PCB31L | Ave | 6081625<br>7131201 | 5644210 | 5637927 | 5660350 | 6649635 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-155L | PCB101L | Ave | 3357573<br>3335674 | 3079570 | 3032405 | 2953311 | 3225807 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-81L | PCB52L | Ave | 5021460<br>5769564 | 4449159 | 4420116 | 4314839 | 5212831 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-77L | PCB52L | Ave | 5079937<br>5644529 | 4551294 | 4449542 | 4466971 | 5444032 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-123L | | Ave | 4907403<br>6015868 | 4516694 | 4498685 | 4398105 | 5036450 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-118L | | Ave | 5169119<br>5794708 | 4772397 | 4705804 | 4629343 | 5245495 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-114L | | Ave | 5128530<br>5814155 | 4691123 | 4571584 | 4439888 | 5033756 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-188L | PCB180L | Ave | 4378911<br>4786599 | 3996320 | 3867481 | 3825950 | 4217544 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-105L | | Ave | 5147501<br>5691805 | 4736976 | 4502539 | 4455117 | 5077289 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-126L | | Ave | 4524674<br>5585131 | 4114417 | 4033220 | 3900384 | 4614032 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-202L | PCB180L | Ave | 3349362<br>3585531 | 3071794 | 2976415 | 2918065 | 3244517 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-167L | PCB138L | Ave | 4726791<br>5310685 | 4339219 | 4186858 | 4083430 | 4559564 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-156L | PCB138L | Ave | 9250047<br>10573637 | 8309040 | 8177576 | 7924583 | 9117746 | 200<br>200 | 200 | 200 | 200 | 200 |
| PCB-156L/157L | PCB138L | Ave | 9250047<br>10573637 | 8309040 | 8177576 | 7924583 | 9117746 | 200<br>200 | 200 | 200 | 200 | 200 |
| PCB-157L | PCB138L | Ave | 9250047<br>10573637 | 8309040 | 8177576 | 7924583 | 9117746 | 200<br>200 | 200 | 200 | 200 | 200 |
| PCB-170L | PCB180L | Ave | 2908401<br>2967012 | 2591053 | 2551480 | 2188977 | 2741165 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-169L | PCB138L | Ave | 4132864<br>4842978 | 3689459 | 3513305 | 3407599 | 4077784 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-208L | PCB194L | Ave | 4379091<br>4353887 | 3882773 | 3771289 | 3759211 | 4041867 | 100<br>100 | 100 | 100 | 100 | 100 |

FORM VI
HI-RES PCBS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1 Analy Batch No.: 33168

SDG No.:

Instrument ID: D3D GC Column: SPB-Octyl ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2019 13:37 Calibration End Date: 08/21/2019 19:05 Calibration ID: 2117

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (PG/UL) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1<br>LVL 6 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| PCB-189L | PCB1<br>94L | Ave | 5525796<br>5979565 | 4901650 | 4843863 | 4682515 | 5258583 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-205L | PCB1<br>94L | Ave | 4973418<br>5048991 | 4392680 | 4275099 | 4137039 | 4529133 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-206L | PCB1<br>94L | Ave | 3514362<br>3341299 | 3065719 | 2962309 | 2938376 | 3171775 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-209L | PCB1<br>94L | Ave | 3889770<br>3536159 | 3391284 | 3313924 | 3261764 | 3437344 | 100<br>100 | 100 | 100 | 100 | 100 |
| PCB-8L | | AveID | | | 243214 | 1828686 | 16161411 | | | 5.00 | 50.0 | 400 |
| PCB-28L | PCB3<br>1L | Ave | | | 415435 | 3367202 | 27642704 | | | 5.00 | 50.0 | 400 |
| PCB-95L | | AveID | | | 149660 | 1266206 | 11390476 | | | 5.00 | 50.0 | 400 |
| PCB-79L | | AveID | | | 279860 | 2301919 | 22619005 | | | 5.00 | 50.0 | 400 |
| PCB-111L | PCB1<br>01L | Ave | | | 198083 | 1804129 | 15937020 | | | 5.00 | 50.0 | 400 |
| PCB-153L | | AveID | | | 218660 | 1717896 | 15731242 | | | 5.00 | 50.0 | 400 |
| PCB-178L | PCB1<br>80L | Ave | | | 138131 | 1357283 | 11350161 | | | 5.00 | 50.0 | 400 |

Curve Type Legend:

| |
|---|
| Ave = Average ISTD |
| AveID = Average isotope dilution |

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

| | |
|---|---|
| Date: | 21 Aug 2019 11:38 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

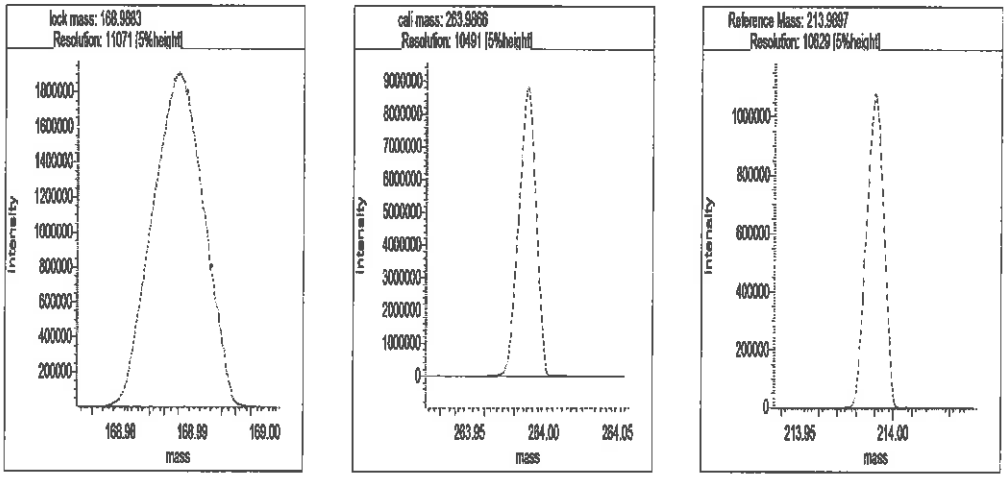
Segment 1

_190821ib

Lock mass 168.9883 [m/z] Resolution: 11071 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10491 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 10629 [5%height]



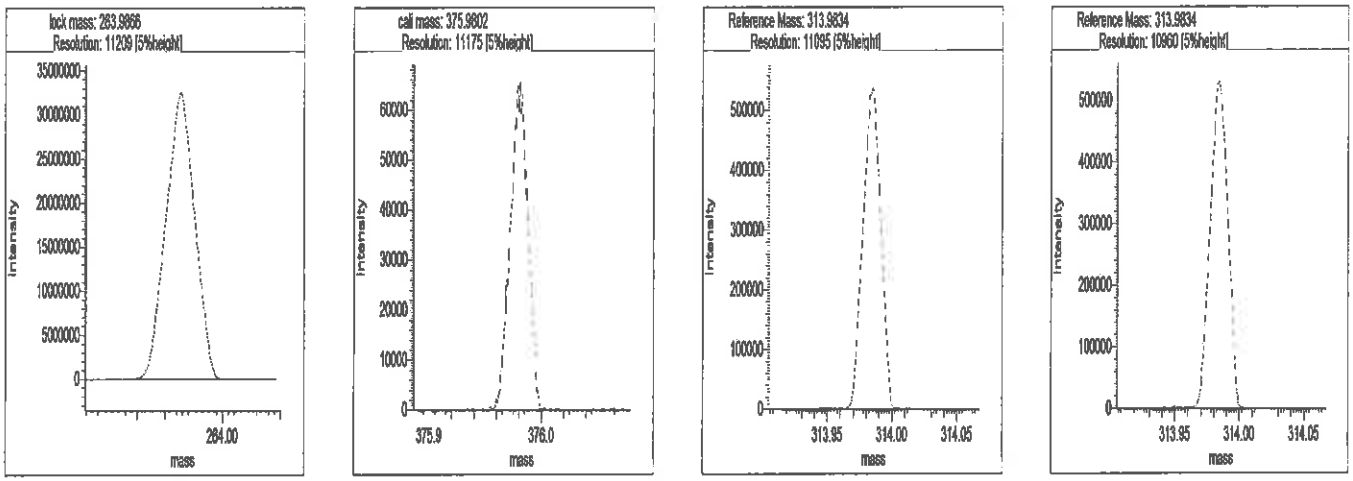

Segment 2

Lock mass 263.9866 [m/z] Resolution: 11209 [5%height]

Cali. mass 375.9802 [m/z] Resolution: 11175 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 11095 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 10960 [5%height]

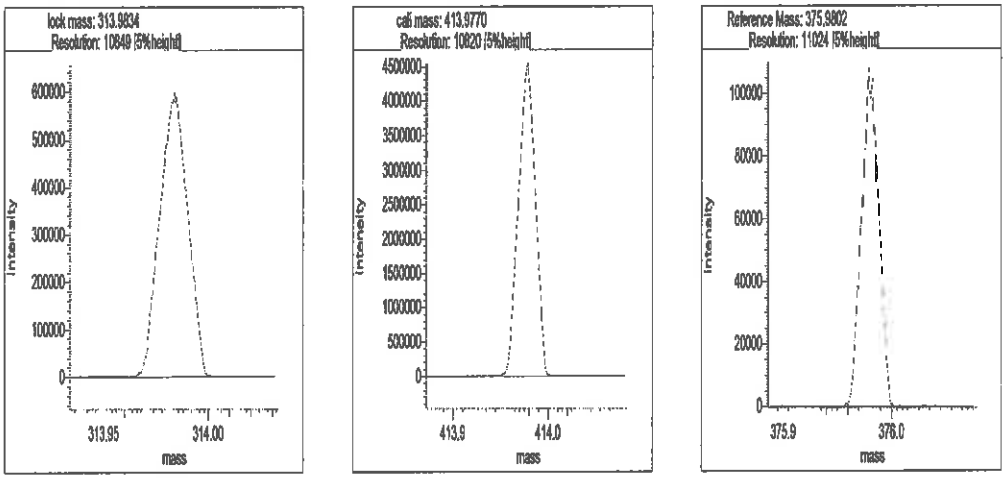



Segment 3

Lock mass 313.9834 [m/z] Resolution: 10849 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 10820 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 11024 [5%height]

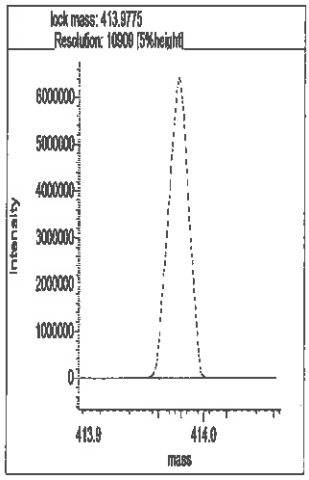


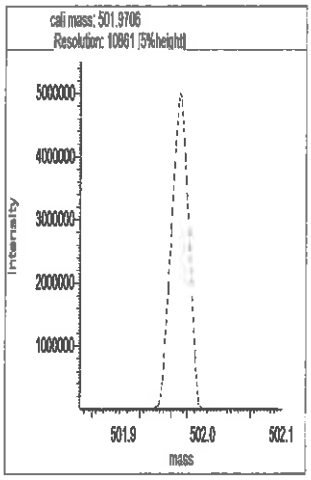

Segment 4

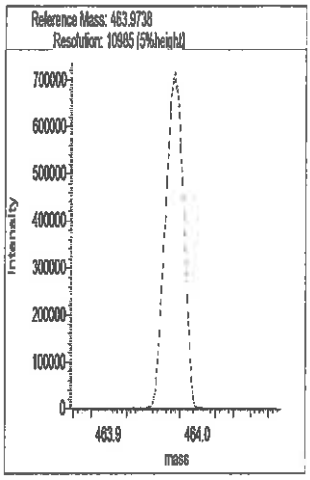
Lock mass 413.9775 [m/z] Resolution: 10909 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 10861 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 10985 [5%height]


lock mass: 413.9775
Resolution: 10909 (5%height)
Intensity
6000000
5000000
4000000
3000000
2000000
1000000
0
413.9
414.0
mass


cali mass: 501.9706
Resolution: 10861 (5%height)
Intensity
5000000
4000000
3000000
2000000
1000000
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 10985 (5%height)
Intensity
700000
600000
500000
400000
300000
200000
100000
0
463.9
464.0
mass

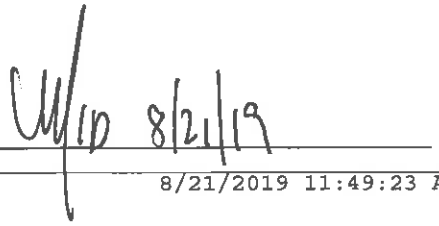
```
Reports
11:47:17:  Peak matching procedure started
11:47:17:
11:47:18:  Reference mass: 168.98827
11:47:18:  Sample mass: 214.0
11:47:19:
11:47:19:  Finding reference mass
11:47:20:  Finding sample mass
11:47:21:
11:47:26:  [1]   213.9894 amu, mean: 213.9894
11:47:29:  [2]   213.9896 amu, mean: 213.9895     SD: 0.09 mmu or: 0.41 ppm
11:47:33:  [3]   213.9896 amu, mean: 213.9895     SD: 0.07 mmu or: 0.33 ppm
11:47:36:  [4]   213.9896 amu, mean: 213.9895     SD: 0.07 mmu or: 0.32 ppm
11:47:37:
11:47:37:  Stop requested. Please wait for procedure to finish.
11:47:37:
```

Signature MM/DD 8/21/19

```
Reports
11:48:04:  Peak matching procedure started
11:48:05:
11:48:05:  Reference mass: 213.98975
11:48:06:  Sample mass: 264.0
11:48:06:
11:48:07:  Finding reference mass
11:48:08:  Finding sample mass
11:48:09:
11:48:14:  [1]    263.9867 amu, mean: 263.9867
11:48:17:  [2]    263.9867 amu, mean: 263.9867     SD: 0.01 mmu or: 0.05 ppm
11:48:20:  [3]    263.9867 amu, mean: 263.9867     SD: 0.03 mmu or: 0.13 ppm
11:48:23:  [4]    263.9866 amu, mean: 263.9867     SD: 0.07 mmu or: 0.28 ppm
11:48:24:
11:48:24:  Stop requested. Please wait for procedure to finish.
11:48:24:
```

Signature MM/D 8/21/19

```
Reports
11:48:58:  Peak matching procedure started
11:48:58:
11:48:59:  Reference mass: 263.98656
11:48:59:  Sample mass: 314.0
11:49:00:
11:49:00:  Finding reference mass
11:49:01:  Finding sample mass
11:49:02:
11:49:08:  [1]   313.9833 amu, mean: 313.9833
11:49:11:  [2]   313.9832 amu, mean: 313.9833     SD: 0.09 mmu or: 0.29 ppm
11:49:14:  [3]   313.9830 amu, mean: 313.9832     SD: 0.17 mmu or: 0.55 ppm
11:49:17:  [4]   313.9825 amu, mean: 313.9830     SD: 0.35 mmu or: 1.12 ppm
11:49:17:
11:49:17:  Stop requested. Please wait for procedure to finish.
11:49:17:
```

Signature 

Reports

```
11:49:45:  Peak matching procedure started
11:49:45:
11:49:46:  Reference mass: 313.98336
11:49:46:  Sample mass: 376.0
11:49:47:
11:49:47:  Finding reference mass
11:49:48:  Finding sample mass
11:49:49:
11:49:54:  [1]    375.9800 amu, mean: 375.9800
11:49:58:  [2]    375.9805 amu, mean: 375.9803     SD: 0.33 mmu or: 0.89 ppm
11:50:01:  [3]    375.9798 amu, mean: 375.9801     SD: 0.34 mmu or: 0.90 ppm
11:50:04:  [4]    375.9800 amu, mean: 375.9801     SD: 0.28 mmu or: 0.74 ppm
11:50:04:
11:50:04:  Stop requested. Please wait for procedure to finish.
11:50:04:
```

Signature MM/10 8/21/19

```
Reports
11:49:45:  Peak matching procedure started
11:49:45:
11:49:46:  Reference mass: 313.98336
11:49:46:  Sample mass: 376.0
11:49:47:
11:49:47:  Finding reference mass
11:49:48:  Finding sample mass
11:49:49:
11:49:54:  [1]    375.9800 amu, mean: 375.9800
11:49:58:  [2]    375.9805 amu, mean: 375.9803      SD: 0.33 mmu or: 0.89 ppm
11:50:01:  [3]    375.9798 amu, mean: 375.9801      SD: 0.34 mmu or: 0.90 ppm
11:50:04:  [4]    375.9800 amu, mean: 375.9801      SD: 0.28 mmu or: 0.74 ppm
11:50:04:
11:50:04:  Stop requested. Please wait for procedure to finish.
11:50:04:
```

Signature MM/10 8/21/19

```
Reports
11:50:35:  Peak matching procedure started
11:50:36:
11:50:36:  Reference mass: 375.98017
11:50:37:  Sample mass: 414.0
11:50:37:
11:50:38:  Finding reference mass
11:50:39:  Finding sample mass
11:50:39:
11:50:45:  [1]    413.9773 amu, mean: 413.9773
11:50:48:  [2]    413.9769 amu, mean: 413.9771     SD: 0.25 mmu or: 0.61 ppm
11:50:51:  [3]    413.9774 amu, mean: 413.9772     SD: 0.24 mmu or: 0.58 ppm
11:50:54:  [4]    413.9773 amu, mean: 413.9772     SD: 0.20 mmu or: 0.48 ppm
11:50:55:
11:50:55:  Stop requested. Please wait for procedure to finish.
11:50:55:
```

Signature MM/10 8/21/19

```
Reports
11:51:24:  Peak matching procedure started
11:51:25:
11:51:25:  Reference mass: 413.97698
11:51:26:  Sample mass: 464.0
11:51:26:
11:51:27:  Finding reference mass
11:51:28:  Finding sample mass
11:51:29:
11:51:34:  [1]    463.9736 amu, mean: 463.9736
11:51:37:  [2]    463.9735 amu, mean: 463.9735     SD: 0.07 mmu or: 0.16 ppm
11:51:40:  [3]    463.9734 amu, mean: 463.9735     SD: 0.10 mmu or: 0.21 ppm
11:51:43:  [4]    463.9734 amu, mean: 463.9734     SD: 0.08 mmu or: 0.18 ppm
11:51:44:
11:51:44:  Stop requested. Please wait for procedure to finish.
11:51:44:
```

Signature MM/ID 8/21/19

Reports

```
11:52:10:  Peak matching procedure started
11:52:11:
11:52:11:  Reference mass: 463.97378
11:52:12:  Sample mass: 502.0
11:52:12:
11:52:13:  Finding reference mass
11:52:14:  Finding sample mass
11:52:14:
11:52:20:  [1]    501.9709 amu, mean: 501.9709
11:52:23:  [2]    501.9715 amu, mean: 501.9712     SD: 0.41 mmu or: 0.83 ppm
11:52:26:  [3]    501.9716 amu, mean: 501.9714     SD: 0.37 mmu or: 0.74 ppm
11:52:29:  [4]    501.9719 amu, mean: 501.9715     SD: 0.40 mmu or: 0.79 ppm
11:52:30:
11:52:30:  Stop requested. Please wait for procedure to finish.
11:52:30:
```

Signature MM/10 8/21/19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

| | |
|---|---|
| Date: | 22 Aug 2019 16:10 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

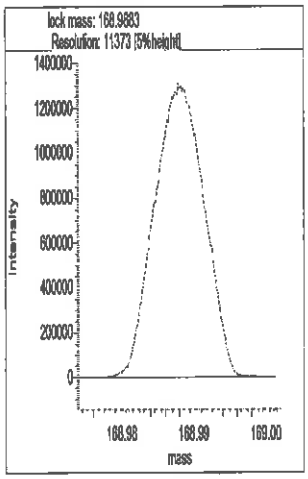
## Segment 1

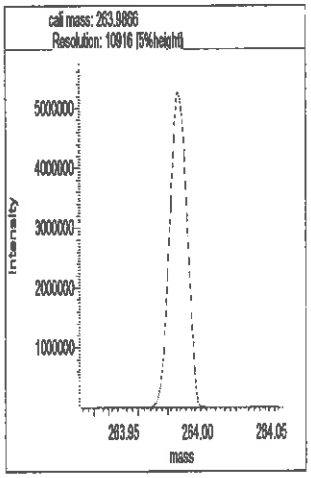
_190822icvb

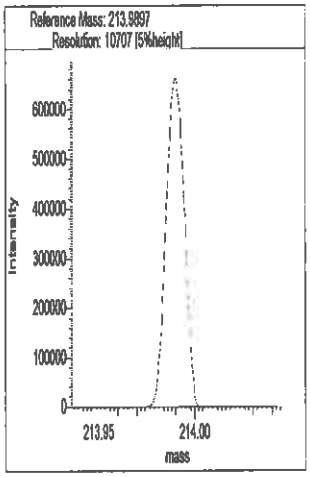
Lock mass 168.9883 [m/z] Resolution: 11373 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10916 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 10707 [5%height]



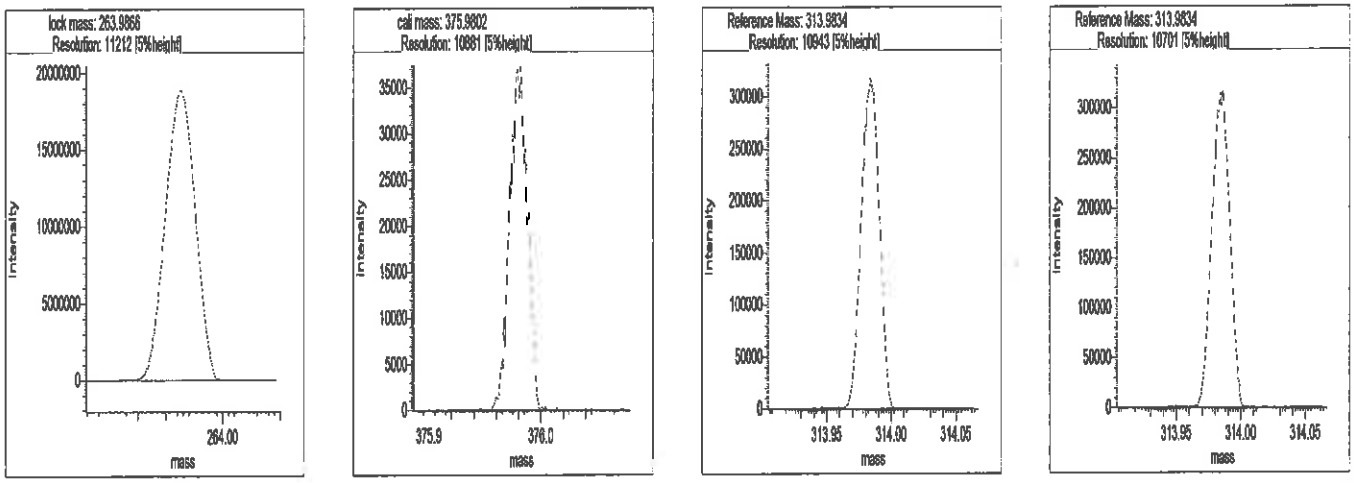

## Segment 2

Lock mass 263.9866 [m/z] Resolution: 11212 [5%height]

Cali. mass 375.9802 [m/z] Resolution: 10881 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 10943 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 10701 [5%height]

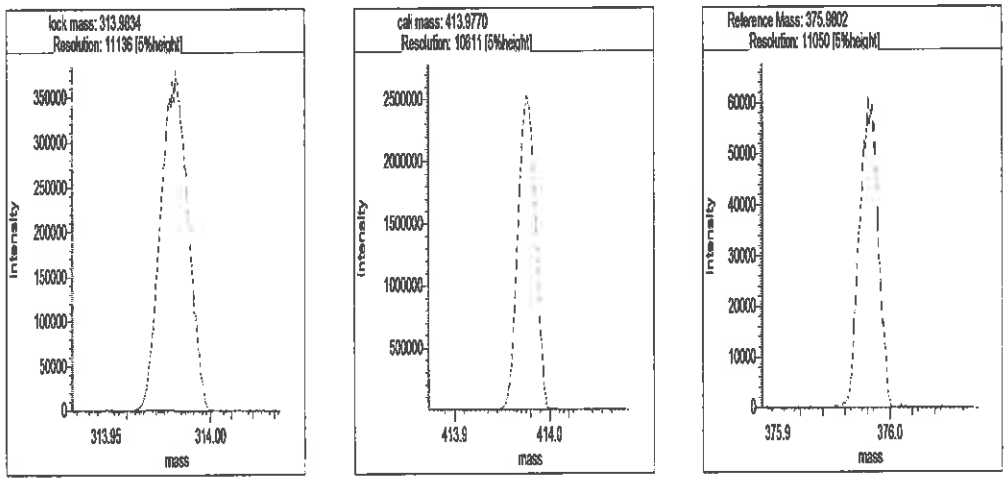



Segment 3

Lock mass 313.9834 [m/z] Resolution: 11136 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 10611 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 11050 [5%height]

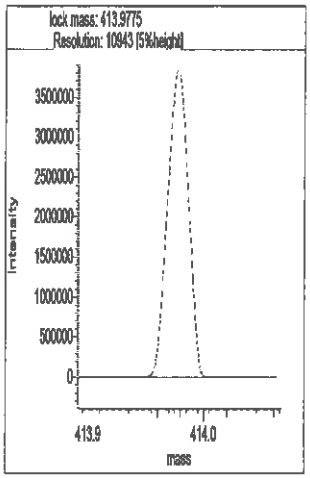


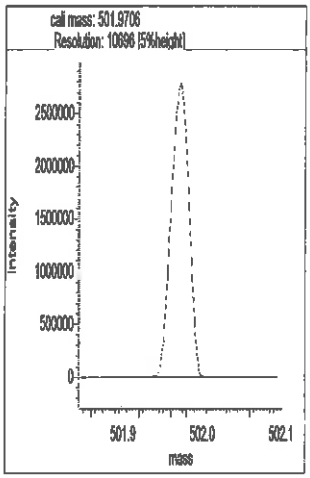

Segment 4

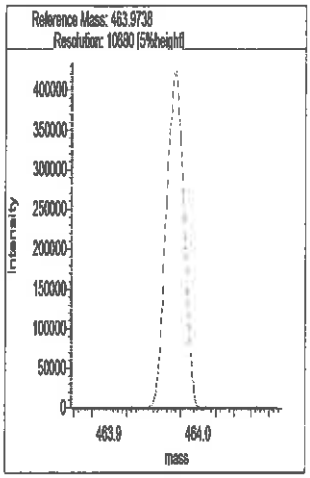
Lock mass 413.9775 [m/z] Resolution: 10943 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 10696 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 10680 [5%height]


lock mass: 413.9775
Resolution: 10943 [5%height]
Intensity
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
413.9
414.0
mass


cali mass: 501.9706
Resolution: 10896 [5%height]
Intensity
2500000
2000000
1500000
1000000
500000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 10830 [5%height]
Intensity
400000
350000
300000
250000
200000
150000
100000
50000
0
463.9
464.0
mass

Reports

```
16:19:25:  Peak matching procedure started
16:19:25:
16:19:26:  Reference mass: 168.98827
16:19:26:  Sample mass: 214.0
16:19:27:
16:19:27:  Finding reference mass
16:19:28:  Finding sample mass
16:19:29:
16:19:34:  [1]   213.9892 amu, mean: 213.9892
16:19:37:  [2]   213.9892 amu, mean: 213.9892     SD: 0.01 mmu or: 0.04 ppm
16:19:41:  [3]   213.9893 amu, mean: 213.9893     SD: 0.06 mmu or: 0.26 ppm
16:19:44:  [4]   213.9894 amu, mean: 213.9893     SD: 0.06 mmu or: 0.30 ppm
16:19:45:
16:19:45:  Stop requested. Please wait for procedure to finish.
16:19:45:
16:19:47:  [5]   213.9891 amu, mean: 213.9893     SD: 0.10 mmu or: 0.47 ppm
```

Signature MM ID 8/22/19

Reports

```
16:20:24:  Peak matching procedure started
16:20:24:
16:20:25:  Reference mass: 213.98975
16:20:26:  Sample mass: 264.0
16:20:26:
16:20:27:  Finding reference mass
16:20:28:  Finding sample mass
16:20:28:
16:20:34:  [1]    263.9861 amu, mean: 263.9861
16:20:37:  [2]    263.9861 amu, mean: 263.9861     SD: 0.05 mmu or: 0.17 ppm
16:20:40:  [3]    263.9862 amu, mean: 263.9861     SD: 0.07 mmu or: 0.25 ppm
16:20:43:  [4]    263.9863 amu, mean: 263.9862     SD: 0.09 mmu or: 0.33 ppm
16:20:44:
16:20:44:  Stop requested. Please wait for procedure to finish.
16:20:44:
16:20:47:
16:20:47:  Peakmatching stopped
```

Signature MM/DD 8/22/19

```
Reports
16:21:40:  Peak matching procedure started
16:21:40:
16:21:41:  Reference mass: 263.98656
16:21:41:  Sample mass: 314.0
16:21:42:
16:21:42:  Finding reference mass
16:21:43:  Finding sample mass
16:21:44:
16:21:50:  [1]   313.9827 amu, mean: 313.9827
16:21:53:  [2]   313.9826 amu, mean: 313.9826     SD: 0.08 mmu or: 0.26 ppm
16:21:56:  [3]   313.9826 amu, mean: 313.9826     SD: 0.06 mmu or: 0.20 ppm
16:21:59:  [4]   313.9825 amu, mean: 313.9826     SD: 0.07 mmu or: 0.22 ppm
16:22:00:
16:22:00:  Stop requested. Please wait for procedure to finish.
16:22:00:
```

Signature MM/D 8/22/19

Reports

```
16:22:26:  Peak matching procedure started
16:22:26:
16:22:27:  Reference mass: 313.98336
16:22:27:  Sample mass: 376.0
16:22:28:
16:22:28:  Finding reference mass
16:22:29:  Finding sample mass
16:22:30:
16:22:36:  [1]   375.9793 amu, mean: 375.9793
16:22:39:  [2]   375.9789 amu, mean: 375.9791     SD: 0.29 mmu or: 0.76 ppm
16:22:42:  [3]   375.9794 amu, mean: 375.9792     SD: 0.28 mmu or: 0.75 ppm
16:22:45:  [4]   375.9795 amu, mean: 375.9793     SD: 0.27 mmu or: 0.73 ppm
16:22:45:
16:22:45:  Stop requested. Please wait for procedure to finish.
16:22:45:
```

Signature MW/ID 8/22/19

```
Reports
16:22:26:  Peak matching procedure started
16:22:26:
16:22:27:  Reference mass: 313.98336
16:22:27:  Sample mass: 376.0
16:22:28:
16:22:28:  Finding reference mass
16:22:29:  Finding sample mass
16:22:30:
16:22:36:  [1]    375.9793 amu, mean: 375.9793
16:22:39:  [2]    375.9789 amu, mean: 375.9791     SD: 0.29 mmu or: 0.76 ppm
16:22:42:  [3]    375.9794 amu, mean: 375.9792     SD: 0.28 mmu or: 0.75 ppm
16:22:45:  [4]    375.9795 amu, mean: 375.9793     SD: 0.27 mmu or: 0.73 ppm
16:22:45:
16:22:45:  Stop requested. Please wait for procedure to finish.
16:22:45:
```

Signature MW/ID 8/22/19

```
Reports
16:23:15:  Peak matching procedure started
16:23:15:
16:23:16:  Reference mass: 375.98017
16:23:16:  Sample mass: 414.0
16:23:17:
16:23:17:  Finding reference mass
16:23:18:  Finding sample mass
16:23:19:
16:23:25:  [1]    413.9763 amu, mean: 413.9763
16:23:28:  [2]    413.9773 amu, mean: 413.9768     SD: 0.68 mmu or: 1.65 ppm
16:23:31:  [3]    413.9771 amu, mean: 413.9769     SD: 0.52 mmu or: 1.25 ppm
16:23:34:  [4]    413.9775 amu, mean: 413.9771     SD: 0.51 mmu or: 1.24 ppm
16:23:35:
16:23:35:  Stop requested. Please wait for procedure to finish.
16:23:35:
```

Signature 10/22/19

Reports

```
16:24:02:  Peak matching procedure started
16:24:02:
16:24:03:  Reference mass: 413.97698
16:24:03:  Sample mass: 464.0
16:24:04:
16:24:04:  Finding reference mass
16:24:05:  Finding sample mass
16:24:06:
16:24:12:  [1]    463.9734 amu, mean: 463.9734
16:24:15:  [2]    463.9733 amu, mean: 463.9733      SD: 0.02 mmu or: 0.04 ppm
16:24:18:  [3]    463.9733 amu, mean: 463.9733      SD: 0.02 mmu or: 0.04 ppm
16:24:21:  [4]    463.9731 amu, mean: 463.9733      SD: 0.12 mmu or: 0.26 ppm
16:24:22:
16:24:22:  Stop requested. Please wait for procedure to finish.
16:24:22:
```

Signature 8/22/19

```
Reports
16:24:48:  Peak matching procedure started
16:24:48:
16:24:49:  Reference mass: 463.97378
16:24:49:  Sample mass: 502.0
16:24:50:
16:24:50:  Finding reference mass
16:24:51:  Finding sample mass
16:24:52:
16:24:57:  [1]    501.9698 amu, mean: 501.9698
16:25:01:  [2]    501.9701 amu, mean: 501.9700     SD: 0.25 mmu or: 0.51 ppm
16:25:04:  [3]    501.9703 amu, mean: 501.9701     SD: 0.26 mmu or: 0.52 ppm
16:25:07:  [4]    501.9704 amu, mean: 501.9701     SD: 0.26 mmu or: 0.51 ppm
16:25:07:
16:25:07:  Stop requested. Please wait for procedure to finish.
16:25:07:
```

Signature CMD 8/22/19

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Aug-2019 13:37:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:36:08 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 21-Aug-2019 15:13:50

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 1.437 | 1.437 | 0.007215 | 0.007215 | | |
| D PCB-1L | 11:48 | 5551091 | 3.04 | 1.3140 | 101.6 | 101.6 | 0.2289 | 0.2289 | 102 | |
| D PCB-3L | 13:58 | 5620482 | 3.17 | 1.3615 | 99.2 | 99.2 | 0.2209 | 0.2209 | 99.23 | |
| PCB-1 | 11:48 | 29635 | 3.56 | 1.1883 | 0.4493 | 0.4493 | 0.006605 | 0.006605 | 89.86 | a |
| PCB-2 | 13:48 | 31052 | 2.70 | 1.1911 | 0.4667 | 0.4667 | 0.007214 | 0.007214 | 93.34 | M |
| PCB-3 | 13:59 | 35532 | 2.91 | 1.2130 | 0.5212 | 0.5212 | 0.007826 | 0.007826 | 104 | |
| S Total Dichlorobiphenyls | | | | | 6.267 | 6.223 | 0.0233 | 0.0233 | | RQ |
| D PCB-4L | 14:13 | 2560163 | 1.57 | 0.5996 | 102.6 | 102.6 | 0.2520 | 0.2520 | 103 | |
| * PCB-9L | 16:11 | 4159953 | 1.59 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:07 | 4227552 | 1.66 | 1.0280 | 98.9 | 98.9 | 0.1470 | 0.1470 | 98.85 | |
| PCB-4 | 14:14 | 15797 | 1.77 | 1.2533 | 0.4923 | 0.4923 | 0.0310 | 0.0310 | 98.46 | M |
| PCB-10 | 14:25 | 24444 | 1.49 | 1.4828 | 0.4857 | 0.4857 | 0.0240 | 0.0240 | 97.15 | |
| PCB-9 | 16:12 | 25050 | 1.41 | 1.4200 | 0.5198 | 0.5198 | 0.0250 | 0.0250 | 104 | |
| PCB-7 | 16:22 | 28496 | 1.58 | 1.6244 | 0.5169 | 0.5169 | 0.0219 | 0.0219 | 103 | |
| PCB-6 | 16:36 | 27150 | 1.50 | 1.5539 | 0.5148 | 0.5148 | 0.0229 | 0.0229 | 103 | |
| PCB-5 | 16:55 | 26998 | 1.49 | 1.5606 | 0.5097 | 0.5097 | 0.0228 | 0.0228 | 102 | |
| PCB-8 | 17:03 | 25259 | 1.56 | 1.5884 | 0.5122 | 0.4686 | 0.0224 | 0.0224 | 102 | RQM |
| PCB-14 | 18:40 | 33852 | 1.50 | 1.8738 | 0.5323 | 0.5323 | 0.0190 | 0.0190 | 106 | |
| PCB-11 | 19:31 | 31474 | 1.49 | 1.6347 | 0.5673 | 0.5673 | 0.0218 | 0.0218 | 113 | |
| PCB-12 | 19:50 | 59042 | 1.45 | 1.6410 | 1.060 | 1.060 | 0.0217 | 0.0217 | 106 | |
| PCB-13 (C12) | 19:50 | 59042 | 1.45 | 1.6410 | 1.060 | 1.060 | 0.0217 | 0.0217 | 106 | |
| PCB-15 | 20:07 | 32948 | 1.49 | 1.4024 | 0.5557 | 0.5557 | 0.0234 | 0.0234 | 111 | M |
| S Total Trichlorobiphenyl | | | | | 13.0 | 13.0 | 0.0211 | 0.0211 | | |
| D PCB-19L | 17:20 | 1392796 | 1.06 | 0.6095 | 99.2 | 99.2 | 0.6317 | 0.6317 | 99.25 | |
| * PCB-32L | 20:35 | 2302531 | 1.10 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:51 | 6864193 | 1.05 | 6.8E+04 | 100.0 | 100.0 | | | | |
| D PCB-37L | 27:09 | 6081625 | 1.06 | 0.9024 | 98.2 | 98.2 | 0.2421 | 0.2421 | 98.18 | |
| PCB-19 | 17:21 | 9143 | 1.09 | 1.3047 | 0.5031 | 0.5031 | 0.0215 | 0.0215 | 101 | |
| PCB-18 | 19:12 | 25723 | 1.01 | 1.8188 | 1.015 | 1.015 | 0.0154 | 0.0154 | 102 | |
| PCB-30 (C18) | 19:12 | 25723 | 1.01 | 1.8188 | 1.015 | 1.015 | 0.0154 | 0.0154 | 102 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:38 | 11690 | 1.13 | 1.5641 | 0.5366 | 0.5366 | 0.0179 | 0.0179 | 107 | |
| PCB-27 | 19:50 | 15699 | 0.95 | 2.1680 | 0.5199 | 0.5199 | 0.0129 | 0.0129 | 104 | |
| PCB-24 | 19:59 | 15611 | 1.00 | 2.1018 | 0.5333 | 0.5333 | 0.0133 | 0.0133 | 107 | |
| PCB-16 | 20:05 | 9159 | 1.14 | 1.2260 | 0.5364 | 0.5364 | 0.0229 | 0.0229 | 107 | |
| PCB-32 | 20:36 | 18014 | 1.18 | 2.3416 | 0.5524 | 0.5524 | 0.0120 | 0.0120 | 110 | M |
| PCB-34 | 21:53 | 38026 | 1.02 | 1.2154 | 0.5144 | 0.5144 | 0.0253 | 0.0253 | 103 | |
| PCB-23 | 22:01 | 41703 | 1.13 | 1.2675 | 0.5410 | 0.5410 | 0.0242 | 0.0242 | 108 | |
| PCB-26 | 22:20 | 86383 | 1.02 | 1.3193 | 1.077 | 1.077 | 0.0233 | 0.0233 | 108 | |
| PCB-29 (C26) | 22:20 | 86383 | 1.02 | 1.3193 | 1.077 | 1.077 | 0.0233 | 0.0233 | 108 | |
| PCB-25 | 22:33 | 45378 | 1.04 | 1.3523 | 0.5518 | 0.5518 | 0.0227 | 0.0227 | 110 | |
| PCB-31 | 22:52 | 48297 | 1.11 | 1.3809 | 0.5751 | 0.5751 | 0.0222 | 0.0222 | 115 | |
| PCB-20 | 23:11 | 85808 | 1.05 | 1.3057 | 1.081 | 1.081 | 0.0235 | 0.0235 | 108 | |
| PCB-28 (C20) | 23:11 | 85808 | 1.05 | 1.3057 | 1.081 | 1.081 | 0.0235 | 0.0235 | 108 | |
| PCB-21 | 23:24 | 89864 | 1.09 | 1.3777 | 1.073 | 1.073 | 0.0223 | 0.0223 | 107 | |
| PCB-33 (C21) | 23:24 | 89864 | 1.09 | 1.3777 | 1.073 | 1.073 | 0.0223 | 0.0223 | 107 | |
| PCB-22 | 23:48 | 42765 | 1.08 | 1.2430 | 0.5657 | 0.5657 | 0.0247 | 0.0247 | 113 | |
| PCB-36 | 25:21 | 47610 | 1.10 | 1.3468 | 0.5812 | 0.5812 | 0.0228 | 0.0228 | 116 | |
| PCB-39 | 25:43 | 46651 | 1.04 | 1.3970 | 0.5491 | 0.5491 | 0.0220 | 0.0220 | 110 | |
| PCB-38 | 26:18 | 44951 | 1.07 | 1.3177 | 0.5609 | 0.5609 | 0.0233 | 0.0233 | 112 | M |
| PCB-35 | 26:46 | 43239 | 1.07 | 1.2166 | 0.5844 | 0.5844 | 0.0252 | 0.0252 | 117 | M |
| PCB-37 | 27:10 | 44126 | 1.04 | 1.2879 | 0.5634 | 0.5634 | 0.0238 | 0.0238 | 113 | M |
| S Total Tetrachlorobiphen | | | | | 23.8 | 23.8 | 0.0335 | 0.0335 | | |
| D PCB-54L | 20:25 | 1434036 | 0.85 | 0.6515 | 95.6 | 95.6 | 0.0338 | 0.0338 | 95.60 | |
| * PCB-52L | 24:58 | 4079775 | 0.80 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:54 | 5021460 | 0.80 | 1.2328 | 99.8 | 99.8 | 0.1774 | 0.1774 | 99.84 | |
| D PCB-77L | 34:27 | 5079937 | 0.80 | 1.2523 | 99.4 | 99.4 | 0.1746 | 0.1746 | 99.43 | |
| PCB-54 | 20:26 | 10496 | 0.73 | 1.2558 | 0.5828 | 0.5828 | 0.0122 | 0.0122 | 117 | |
| PCB-50 | 22:37 | 51152 | 0.76 | 0.9362 | 1.082 | 1.082 | 0.0427 | 0.0427 | 108 | |
| PCB-53 (C50) | 22:37 | 51152 | 0.76 | 0.9362 | 1.082 | 1.082 | 0.0427 | 0.0427 | 108 | |
| PCB-45 | 23:15 | 46769 | 0.81 | 0.8850 | 1.046 | 1.046 | 0.0452 | 0.0452 | 105 | M |
| PCB-51 (C45) | 23:15 | 46769 | 0.81 | 0.8850 | 1.046 | 1.046 | 0.0452 | 0.0452 | 105 | M |
| PCB-46 | 23:34 | 21856 | 0.76 | 0.7591 | 0.5701 | 0.5701 | 0.0527 | 0.0527 | 114 | |
| PCB-52 | 25:01 | 24956 | 0.71 | 0.8992 | 0.5495 | 0.5495 | 0.0445 | 0.0445 | 110 | |
| PCB-43 | 25:09 | 55292 | 0.85 | 0.9993 | 1.095 | 1.095 | 0.0400 | 0.0400 | 110 | M |
| PCB-73 (C43) | 25:09 | 55292 | 0.85 | 0.9993 | 1.095 | 1.095 | 0.0400 | 0.0400 | 110 | M |
| PCB-49 | 25:28 | 62700 | 0.85 | 1.1366 | 1.092 | 1.092 | 0.0352 | 0.0352 | 109 | M |
| PCB-69 (C49) | 25:28 | 62700 | 0.85 | 1.1366 | 1.092 | 1.092 | 0.0352 | 0.0352 | 109 | M |
| PCB-48 | 25:47 | 27610 | 0.75 | 0.9454 | 0.5782 | 0.5782 | 0.0423 | 0.0423 | 116 | |
| PCB-44 | 26:02 | 88678 | 0.79 | 1.0323 | 1.701 | 1.701 | 0.0387 | 0.0387 | 113 | |
| PCB-47 (C44) | 26:02 | 88678 | 0.79 | 1.0323 | 1.701 | 1.701 | 0.0387 | 0.0387 | 113 | |
| PCB-65 (C44) | 26:02 | 88678 | 0.79 | 1.0323 | 1.701 | 1.701 | 0.0387 | 0.0387 | 113 | |
| PCB-59 | 26:18 | 108632 | 0.78 | 1.3609 | 1.580 | 1.580 | 0.0294 | 0.0294 | 105 | |
| PCB-62 (C59) | 26:18 | 108632 | 0.78 | 1.3609 | 1.580 | 1.580 | 0.0294 | 0.0294 | 105 | |
| PCB-75 (C59) | 26:18 | 108632 | 0.78 | 1.3609 | 1.580 | 1.580 | 0.0294 | 0.0294 | 105 | |
| PCB-42 | 26:31 | 26332 | 0.88 | 0.8670 | 0.6013 | 0.6013 | 0.0461 | 0.0461 | 120 | |
| PCB-40 | 27:01 | 78874 | 0.77 | 0.9179 | 1.701 | 1.701 | 0.0436 | 0.0436 | 113 | M |
| PCB-41 (C40) | 27:01 | 78874 | 0.77 | 0.9179 | 1.701 | 1.701 | 0.0436 | 0.0436 | 113 | M |
| PCB-71 (C40) | 27:01 | 78874 | 0.77 | 0.9179 | 1.701 | 1.701 | 0.0436 | 0.0436 | 113 | M |
| PCB-64 | 27:14 | 41562 | 0.77 | 1.4164 | 0.5810 | 0.5810 | 0.0282 | 0.0282 | 116 | |
| PCB-72 | 28:04 | 37208 | 0.78 | 1.3157 | 0.5599 | 0.5599 | 0.0304 | 0.0304 | 112 | |
| PCB-68 | 28:22 | 43081 | 0.78 | 1.4782 | 0.5770 | 0.5770 | 0.0270 | 0.0270 | 115 | |
| PCB-57 | 28:47 | 39029 | 0.78 | 1.2817 | 0.6029 | 0.6029 | 0.0312 | 0.0312 | 121 | |
| PCB-58 | 29:01 | 37917 | 0.77 | 1.3214 | 0.5681 | 0.5681 | 0.0303 | 0.0303 | 114 | |
| PCB-67 | 29:12 | 40373 | 0.77 | 1.3944 | 0.5732 | 0.5732 | 0.0287 | 0.0287 | 115 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:27 | 42641 | 0.78 | 1.4685 | 0.5749 | 0.5749 | 0.0272 | 0.0272 | 115 | |
| PCB-61 | 29:47 | 152802 | 0.80 | 1.3565 | 2.230 | 2.230 | 0.0295 | 0.0295 | 112 | |
| PCB-70 (C61) | 29:47 | 152802 | 0.80 | 1.3565 | 2.230 | 2.230 | 0.0295 | 0.0295 | 112 | |
| PCB-74 (C61) | 29:47 | 152802 | 0.80 | 1.3565 | 2.230 | 2.230 | 0.0295 | 0.0295 | 112 | |
| PCB-76 (C61) | 29:47 | 152802 | 0.80 | 1.3565 | 2.230 | 2.230 | 0.0295 | 0.0295 | 112 | |
| PCB-66 | 30:07 | 37425 | 0.77 | 1.2800 | 0.5789 | 0.5789 | 0.0312 | 0.0312 | 116 | |
| PCB-55 | 30:16 | 39689 | 0.75 | 1.2951 | 0.6067 | 0.6067 | 0.0309 | 0.0309 | 121 | |
| PCB-56 | 30:47 | 38287 | 0.75 | 1.2671 | 0.5983 | 0.5983 | 0.0316 | 0.0316 | 120 | |
| PCB-60 | 31:00 | 40693 | 0.82 | 1.3288 | 0.6063 | 0.6063 | 0.0301 | 0.0301 | 121 | |
| PCB-80 | 31:25 | 41718 | 0.77 | 1.4694 | 0.5621 | 0.5621 | 0.0272 | 0.0272 | 112 | |
| PCB-79 | 32:56 | 42232 | 0.83 | 1.5421 | 0.5422 | 0.5422 | 0.0259 | 0.0259 | 108 | |
| PCB-78 | 33:29 | 45588 | 0.74 | 1.3150 | 0.6864 | 0.6864 | 0.0304 | 0.0304 | 137 | |
| PCB-81 | 33:55 | 38876 | 0.68 | 1.3214 | 0.5859 | 0.5859 | 0.0298 | 0.0298 | 117 | |
| PCB-77 | 34:28 | 41910 | 0.70 | 1.3308 | 0.6199 | 0.6199 | 0.0306 | 0.0306 | 124 | |
| S Total Pentachlorobiphen | | | | | 26.0 | 25.9 | 0.0178 | 0.0178 | | RQ |
| D PCB-104L | 25:55 | 3940846 | 1.60 | 1.1164 | 102.4 | 102.4 | 0.0229 | 0.0229 | 102 | |
| * PCB-101L | 31:50 | 3446031 | 1.61 | 3.4E+04 | 100.0 | 100.0 | | | | |
| D PCB-123L | 36:29 | 4907403 | 1.59 | 0.9909 | 99.2 | 99.2 | 1.051 | 1.051 | 99.20 | |
| D PCB-118L | 36:49 | 5169119 | 1.58 | 1.0256 | 101.0 | 101.0 | 1.016 | 1.016 | 101 | |
| D PCB-114L | 37:20 | 5128530 | 1.57 | 1.0030 | 102.4 | 102.4 | 1.039 | 1.039 | 102 | |
| D PCB-105L | 37:59 | 5147501 | 1.58 | 1.0013 | 103.0 | 103.0 | 1.040 | 1.040 | 103 | |
| * PCB-127L | 39:28 | 4992306 | 1.55 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:04 | 4524674 | 1.56 | 0.9020 | 100.5 | 100.5 | 1.155 | 1.155 | 100 | |
| PCB-104 | 25:57 | 31095 | 1.61 | 1.3926 | 0.5666 | 0.5666 | 0.0130 | 0.0130 | 113 | |
| PCB-96 | 26:19 | 25880 | 1.44 | 1.2268 | 0.5353 | 0.5353 | 0.0148 | 0.0148 | 107 | |
| PCB-103 | 28:16 | 23139 | 1.78 | 1.0331 | 0.5684 | 0.5684 | 0.0175 | 0.0175 | 114 | M |
| PCB-94 | 28:28 | 19719 | 1.45 | 0.9036 | 0.5537 | 0.5537 | 0.0201 | 0.0201 | 111 | |
| PCB-95 | 28:55 | 21355 | 1.76 | 0.9620 | 0.5633 | 0.5633 | 0.0188 | 0.0188 | 113 | |
| PCB-93 | 29:09 | 42226 | 1.61 | 0.9806 | 1.093 | 1.093 | 0.0185 | 0.0185 | 109 | |
| PCB-100 (C93) | 29:09 | 42226 | 1.61 | 0.9806 | 1.093 | 1.093 | 0.0185 | 0.0185 | 109 | |
| PCB-98 | 29:19 | 44301 | 1.52 | 0.9888 | 1.137 | 1.137 | 0.0183 | 0.0183 | 114 | M |
| PCB-102 (C98) | 29:19 | 44301 | 1.52 | 0.9888 | 1.137 | 1.137 | 0.0183 | 0.0183 | 114 | M |
| PCB-88 | 29:47 | 47112 | 1.66 | 1.0052 | 1.189 | 1.189 | 0.0180 | 0.0180 | 119 | Ma |
| PCB-91 (C88) | 29:47 | 47112 | 1.66 | 1.0052 | 1.189 | 1.189 | 0.0180 | 0.0180 | 119 | Ma |
| PCB-84 | 30:00 | 18400 | 1.55 | 0.8601 | 0.6130 | 0.5428 | 0.0211 | 0.0211 | 123 | RQMa |
| PCB-89 | 30:29 | 19738 | 1.74 | 0.8936 | 0.5605 | 0.5605 | 0.0203 | 0.0203 | 112 | M |
| PCB-121 | 30:55 | 32697 | 1.78 | 1.3971 | 0.5939 | 0.5939 | 0.0130 | 0.0130 | 119 | |
| PCB-92 | 31:16 | 21995 | 1.74 | 0.9532 | 0.5855 | 0.5855 | 0.0190 | 0.0190 | 117 | |
| PCB-90 | 31:51 | 75371 | 1.68 | 1.1367 | 1.683 | 1.683 | 0.0159 | 0.0159 | 112 | |
| PCB-101 (C90) | 31:51 | 75371 | 1.68 | 1.1367 | 1.683 | 1.683 | 0.0159 | 0.0159 | 112 | |
| PCB-113 (C90) | 31:51 | 75371 | 1.68 | 1.1367 | 1.683 | 1.683 | 0.0159 | 0.0159 | 112 | |
| PCB-83 | 32:28 | 41512 | 1.48 | 0.9393 | 1.121 | 1.121 | 0.0193 | 0.0193 | 112 | M |
| PCB-99 (C83) | 32:28 | 41512 | 1.48 | 0.9393 | 1.121 | 1.121 | 0.0193 | 0.0193 | 112 | M |
| PCB-112 | 32:34 | 31162 | 1.71 | 1.3672 | 0.5784 | 0.5784 | 0.0133 | 0.0133 | 116 | |
| PCB-86 | 32:57 | 154081 | 1.67 | 1.1958 | 3.270 | 3.270 | 0.0152 | 0.0152 | 109 | M |
| PCB-87 (C86) | 32:57 | 154081 | 1.67 | 1.1958 | 3.270 | 3.270 | 0.0152 | 0.0152 | 109 | M |
| PCB-97 (C86) | 32:57 | 154081 | 1.67 | 1.1958 | 3.270 | 3.270 | 0.0152 | 0.0152 | 109 | M |
| PCB-109 (C86) | 32:57 | 154081 | 1.67 | 1.1958 | 3.270 | 3.270 | 0.0152 | 0.0152 | 109 | M |
| PCB-119 (C86) | 32:57 | 154081 | 1.67 | 1.1958 | 3.270 | 3.270 | 0.0152 | 0.0152 | 109 | M |
| PCB-125 (C86) | 32:57 | 154081 | 1.67 | 1.1958 | 3.270 | 3.270 | 0.0152 | 0.0152 | 109 | M |
| PCB-85 | 33:40 | 81379 | 1.67 | 1.2126 | 1.703 | 1.703 | 0.0149 | 0.0149 | 114 | |
| PCB-116 (C85) | 33:40 | 81379 | 1.67 | 1.2126 | 1.703 | 1.703 | 0.0149 | 0.0149 | 114 | |
| PCB-117 (C85) | 33:40 | 81379 | 1.67 | 1.2126 | 1.703 | 1.703 | 0.0149 | 0.0149 | 114 | |
| PCB-110 | 33:55 | 62684 | 1.56 | 1.3511 | 1.177 | 1.177 | 0.0134 | 0.0134 | 118 | Ma |
| PCB-115 (C110) | 33:55 | 62684 | 1.56 | 1.3511 | 1.177 | 1.177 | 0.0134 | 0.0134 | 118 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-82 | 34:08 | 18482 | 1.55 | 0.8675 | 0.5975 | 0.5406 | 0.0209 | 0.0209 | 120 | RQMa |
| PCB-111 | 34:34 | 31664 | 1.56 | 1.4262 | 0.5634 | 0.5634 | 0.0127 | 0.0127 | 113 | |
| PCB-120 | 35:01 | 34685 | 1.63 | 1.4907 | 0.5904 | 0.5904 | 0.0122 | 0.0122 | 118 | |
| PCB-108 | 36:09 | 70396 | 1.60 | 1.2547 | 1.128 | 1.128 | 0.0207 | 0.0207 | 113 | |
| PCB-124 (C108) | 36:09 | 70396 | 1.60 | 1.2547 | 1.128 | 1.128 | 0.0207 | 0.0207 | 113 | |
| PCB-107 | 36:23 | 36685 | 1.52 | 1.3580 | 0.5430 | 0.5430 | 0.0191 | 0.0191 | 109 | |
| PCB-123 | 36:30 | 37444 | 1.50 | 1.3407 | 0.5691 | 0.5691 | 0.0193 | 0.0193 | 114 | |
| PCB-106 | 36:37 | 34943 | 1.70 | 1.2749 | 0.5509 | 0.5509 | 0.0204 | 0.0204 | 110 | |
| PCB-118 | 36:50 | 37363 | 1.57 | 1.2892 | 0.5607 | 0.5607 | 0.0194 | 0.0194 | 112 | |
| PCB-122 | 37:10 | 33326 | 1.76 | 1.1614 | 0.5767 | 0.5767 | 0.0224 | 0.0224 | 115 | |
| PCB-114 | 37:21 | 41016 | 1.61 | 1.4051 | 0.5692 | 0.5692 | 0.0179 | 0.0179 | 114 | |
| PCB-105 | 38:00 | 38080 | 1.54 | 1.2887 | 0.5740 | 0.5740 | 0.0193 | 0.0193 | 115 | |
| PCB-127 | 39:29 | 34065 | 1.59 | 1.2841 | 0.5332 | 0.5332 | 0.0202 | 0.0202 | 107 | |
| PCB-126 | 41:05 | 34450 | 1.58 | 1.3416 | 0.5675 | 0.5675 | 0.0220 | 0.0220 | 114 | |
| S Total Hexachlorobipheny | | | | | 24.3 | 24.3 | 0.0172 | 0.0172 | | |
| D PCB-155L | 31:37 | 3357573 | 1.26 | 0.9499 | 102.6 | 102.6 | 0.0265 | 0.0265 | 103 | |
| * PCB-138L | 39:56 | 3679411 | 1.26 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:57 | 4726791 | 1.28 | 1.2544 | 102.4 | 102.4 | 0.3685 | 0.3685 | 102 | |
| D PCB-156L | 44:05 | 9250047 | 1.28 | 1.2289 | 204.6 | 204.6 | 0.3761 | 0.3761 | 102 | |
| D PCB-157L (C156L) | 44:05 | 9250047 | 1.28 | 1.2289 | 204.6 | 204.6 | 0.3761 | 0.3761 | 102 | |
| D PCB-169L | 47:20 | 4132864 | 1.27 | 1.0883 | 103.2 | 103.2 | 0.4247 | 0.4247 | 103 | |
| PCB-155 | 31:39 | 25217 | 1.32 | 1.3028 | 0.5765 | 0.5765 | 0.0147 | 0.0147 | 115 | |
| PCB-152 | 31:50 | 24183 | 1.16 | 1.2556 | 0.5736 | 0.5736 | 0.0153 | 0.0153 | 115 | |
| PCB-150 | 32:00 | 22656 | 1.32 | 1.2368 | 0.5456 | 0.5456 | 0.0155 | 0.0155 | 109 | |
| PCB-136 | 32:21 | 21038 | 1.22 | 1.1563 | 0.5419 | 0.5419 | 0.0166 | 0.0166 | 108 | |
| PCB-145 | 32:39 | 23372 | 1.18 | 1.1910 | 0.5845 | 0.5845 | 0.0161 | 0.0161 | 117 | |
| PCB-148 | 34:11 | 17422 | 1.38 | 0.8982 | 0.5777 | 0.5777 | 0.0214 | 0.0214 | 116 | |
| PCB-135 | 34:46 | 34564 | 1.17 | 0.8691 | 1.184 | 1.184 | 0.0221 | 0.0221 | 118 | M |
| PCB-151 (C135) | 34:46 | 34564 | 1.17 | 0.8691 | 1.184 | 1.184 | 0.0221 | 0.0221 | 118 | M |
| PCB-154 | 35:02 | 19385 | 1.35 | 1.0180 | 0.5671 | 0.5671 | 0.0189 | 0.0189 | 113 | |
| PCB-144 | 35:20 | 18273 | 1.22 | 0.9185 | 0.5925 | 0.5925 | 0.0209 | 0.0209 | 119 | |
| PCB-147 | 35:42 | 49987 | 1.29 | 0.9747 | 1.133 | 1.133 | 0.0186 | 0.0186 | 113 | |
| PCB-149 (C147) | 35:42 | 49987 | 1.29 | 0.9747 | 1.133 | 1.133 | 0.0186 | 0.0186 | 113 | |
| PCB-134 | 35:59 | 47719 | 1.26 | 0.8518 | 1.237 | 1.237 | 0.0213 | 0.0213 | 124 | |
| PCB-143 (C134) | 35:59 | 47719 | 1.26 | 0.8518 | 1.237 | 1.237 | 0.0213 | 0.0213 | 124 | |
| PCB-139 | 36:18 | 52680 | 1.30 | 0.9995 | 1.164 | 1.164 | 0.0181 | 0.0181 | 116 | |
| PCB-140 (C139) | 36:18 | 52680 | 1.30 | 0.9995 | 1.164 | 1.164 | 0.0181 | 0.0181 | 116 | |
| PCB-131 | 36:30 | 21164 | 1.16 | 0.8584 | 0.5446 | 0.5446 | 0.0211 | 0.0211 | 109 | |
| PCB-142 | 36:38 | 21834 | 1.27 | 0.8597 | 0.5610 | 0.5610 | 0.0211 | 0.0211 | 112 | |
| PCB-132 | 36:57 | 24997 | 1.33 | 0.8801 | 0.6274 | 0.6274 | 0.0206 | 0.0206 | 125 | |
| PCB-133 | 37:28 | 24306 | 1.29 | 0.9064 | 0.5923 | 0.5923 | 0.0200 | 0.0200 | 118 | |
| PCB-165 | 37:51 | 29854 | 1.28 | 1.1210 | 0.5882 | 0.5882 | 0.0162 | 0.0162 | 118 | |
| PCB-146 | 38:06 | 28061 | 1.24 | 1.0084 | 0.6147 | 0.6147 | 0.0180 | 0.0180 | 123 | |
| PCB-161 | 38:15 | 34529 | 1.21 | 1.3370 | 0.5704 | 0.5704 | 0.0136 | 0.0136 | 114 | |
| PCB-153 | 38:45 | 62510 | 1.28 | 1.2207 | 1.131 | 1.131 | 0.0148 | 0.0148 | 113 | |
| PCB-168 (C153) | 38:45 | 62510 | 1.28 | 1.2207 | 1.131 | 1.131 | 0.0148 | 0.0148 | 113 | |
| PCB-141 | 38:55 | 26822 | 1.10 | 0.9608 | 0.6166 | 0.6166 | 0.0189 | 0.0189 | 123 | |
| PCB-130 | 39:18 | 23002 | 1.38 | 0.8274 | 0.6140 | 0.6140 | 0.0219 | 0.0219 | 123 | |
| PCB-137 | 39:32 | 27690 | 1.32 | 1.0582 | 0.5779 | 0.5779 | 0.0171 | 0.0171 | 116 | |
| PCB-164 | 39:39 | 33188 | 1.42 | 1.2527 | 0.5852 | 0.5852 | 0.0145 | 0.0145 | 117 | M |
| PCB-129 | 39:58 | 112251 | 1.26 | 1.0840 | 2.287 | 2.287 | 0.0167 | 0.0167 | 114 | M |
| PCB-138 (C129) | 39:58 | 112251 | 1.26 | 1.0840 | 2.287 | 2.287 | 0.0167 | 0.0167 | 114 | M |
| PCB-160 (C129) | 39:58 | 112251 | 1.26 | 1.0840 | 2.287 | 2.287 | 0.0167 | 0.0167 | 114 | M |
| PCB-163 (C129) | 39:58 | 112251 | 1.26 | 1.0840 | 2.287 | 2.287 | 0.0167 | 0.0167 | 114 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:21 | 35801 | 1.14 | 1.3862 | 0.5705 | 0.5705 | 0.0131 | 0.0131 | 114 | |
| PCB-128 | 41:12 | 56397 | 1.28 | 1.1165 | 1.116 | 1.116 | 0.0162 | 0.0162 | 112 | M |
| PCB-166 (C128) | 41:12 | 56397 | 1.28 | 1.1165 | 1.116 | 1.116 | 0.0162 | 0.0162 | 112 | M |
| PCB-159 | 42:12 | 34059 | 1.26 | 1.3178 | 0.5708 | 0.5708 | 0.0138 | 0.0138 | 114 | |
| PCB-162 | 42:30 | 34825 | 1.24 | 1.3623 | 0.5647 | 0.5647 | 0.0133 | 0.0133 | 113 | |
| PCB-167 | 42:58 | 35361 | 1.17 | 1.3357 | 0.5601 | 0.5601 | 0.0111 | 0.0111 | 112 | M |
| PCB-156 | 44:07 | 70314 | 1.31 | 1.2759 | 1.192 | 1.192 | 0.0163 | 0.0163 | 119 | |
| PCB-157 (C156) | 44:07 | 70314 | 1.31 | 1.2759 | 1.192 | 1.192 | 0.0163 | 0.0163 | 119 | |
| PCB-169 | 47:21 | 30062 | 1.18 | 1.2825 | 0.5672 | 0.5672 | 0.0137 | 0.0137 | 113 | |
| S Total Heptachlorobiphen | | | | | 13.9 | 13.9 | 0.0119 | 0.0119 | | |
| D PCB-188L | 37:21 | 4378911 | 1.08 | 1.3162 | 99.1 | 99.1 | 0.0416 | 0.0416 | 99.14 | |
| * PCB-180L | 45:30 | 3356052 | 1.06 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:45 | 2908401 | 1.06 | 0.8357 | 103.7 | 103.7 | 0.0656 | 0.0656 | 104 | |
| D PCB-189L | 49:52 | 5525796 | 1.05 | 1.4666 | 98.6 | 98.6 | 0.2150 | 0.2150 | 98.61 | |
| PCB-188 | 37:22 | 31470 | 1.06 | 1.2502 | 0.5748 | 0.5748 | 0.009079 | 0.009079 | 115 | |
| PCB-179 | 37:43 | 30531 | 0.98 | 1.4149 | 0.5922 | 0.5922 | 0.009847 | 0.009847 | 118 | |
| PCB-184 | 38:15 | 28886 | 1.13 | 1.4191 | 0.5587 | 0.5587 | 0.009817 | 0.009817 | 112 | |
| PCB-176 | 38:35 | 31862 | 1.11 | 1.5212 | 0.5749 | 0.5749 | 0.009159 | 0.009159 | 115 | |
| PCB-186 | 39:02 | 30639 | 1.04 | 1.4350 | 0.5860 | 0.5860 | 0.009709 | 0.009709 | 117 | |
| PCB-178 | 40:26 | 20709 | 0.93 | 1.0228 | 0.5557 | 0.5557 | 0.0136 | 0.0136 | 111 | |
| PCB-175 | 41:03 | 21757 | 1.12 | 1.0690 | 0.5586 | 0.5586 | 0.0130 | 0.0130 | 112 | |
| PCB-187 | 41:20 | 23144 | 0.95 | 1.1106 | 0.5719 | 0.5719 | 0.0125 | 0.0125 | 114 | |
| PCB-182 | 41:32 | 24450 | 1.09 | 1.1484 | 0.5843 | 0.5843 | 0.0121 | 0.0121 | 117 | |
| PCB-183 | 41:57 | 49559 | 1.14 | 1.1368 | 1.196 | 1.196 | 0.0123 | 0.0123 | 120 | M |
| PCB-185 (C183) | 41:57 | 49559 | 1.14 | 1.1368 | 1.196 | 1.196 | 0.0123 | 0.0123 | 120 | M |
| PCB-174 | 42:11 | 19097 | 1.08 | 0.9547 | 0.5490 | 0.5490 | 0.0146 | 0.0146 | 110 | |
| PCB-177 | 42:37 | 20193 | 1.08 | 0.9426 | 0.5880 | 0.5880 | 0.0148 | 0.0148 | 118 | M |
| PCB-181 | 43:00 | 23192 | 1.03 | 1.1075 | 0.5747 | 0.5747 | 0.0126 | 0.0126 | 115 | |
| PCB-171 | 43:14 | 39752 | 1.11 | 0.9603 | 1.136 | 1.136 | 0.0145 | 0.0145 | 114 | |
| PCB-173 (C171) | 43:14 | 39752 | 1.11 | 0.9603 | 1.136 | 1.136 | 0.0145 | 0.0145 | 114 | |
| PCB-172 | 44:53 | 21936 | 1.13 | 0.9918 | 0.6070 | 0.6070 | 0.0140 | 0.0140 | 121 | |
| PCB-192 | 45:09 | 27299 | 1.07 | 1.2904 | 0.5806 | 0.5806 | 0.0108 | 0.0108 | 116 | |
| PCB-180 | 45:27 | 51311 | 0.97 | 1.2286 | 1.146 | 1.146 | 0.0113 | 0.0113 | 115 | |
| PCB-193 (C180) | 45:27 | 51311 | 0.97 | 1.2286 | 1.146 | 1.146 | 0.0113 | 0.0113 | 115 | |
| PCB-191 | 45:53 | 29976 | 1.04 | 1.3848 | 0.5941 | 0.5941 | 0.0101 | 0.0101 | 119 | |
| PCB-170 | 46:47 | 21707 | 1.00 | 1.2700 | 0.5877 | 0.5877 | 0.0142 | 0.0142 | 118 | |
| PCB-190 | 47:17 | 29751 | 1.12 | 1.3774 | 0.5928 | 0.5928 | 0.0101 | 0.0101 | 119 | M |
| PCB-189 | 49:54 | 40031 | 1.04 | 1.2799 | 0.5660 | 0.5660 | 0.0121 | 0.0121 | 113 | |
| S Total Octachlorobipheny | | | | | 7.098 | 7.043 | 0.0148 | 0.0148 | | RQ |
| D PCB-202L | 42:43 | 3349362 | 0.92 | 1.0055 | 99.3 | 99.3 | 0.0295 | 0.0295 | 99.25 | |
| * PCB-194L | 51:59 | 3820815 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:28 | 4973418 | 0.90 | 1.2867 | 101.2 | 101.2 | 0.0723 | 0.0723 | 101 | |
| PCB-202 | 42:45 | 20775 | 0.92 | 1.0531 | 0.5890 | 0.5890 | 0.0131 | 0.0131 | 118 | |
| PCB-201 | 43:40 | 22870 | 0.87 | 1.1860 | 0.5757 | 0.5757 | 0.0116 | 0.0116 | 115 | |
| PCB-204 | 44:20 | 21898 | 0.80 | 1.1009 | 0.5939 | 0.5939 | 0.0125 | 0.0125 | 119 | |
| PCB-197 | 44:34 | 22687 | 0.98 | 1.2053 | 0.5620 | 0.5620 | 0.0114 | 0.0114 | 112 | Ma |
| PCB-200 | 44:40 | 23193 | 0.90 | 1.1260 | 0.6150 | 0.6150 | 0.0122 | 0.0122 | 123 | Ma |
| PCB-198 | 47:28 | 33144 | 0.90 | 0.8183 | 1.209 | 1.209 | 0.0168 | 0.0168 | 121 | |
| PCB-199 (C198) | 47:28 | 33144 | 0.90 | 0.8183 | 1.209 | 1.209 | 0.0168 | 0.0168 | 121 | |
| PCB-196 | 48:08 | 16928 | 0.89 | 0.8748 | 0.6331 | 0.5777 | 0.0157 | 0.0157 | 127 | RQ |
| PCB-203 | 48:19 | 18937 | 0.98 | 0.9219 | 0.6133 | 0.6133 | 0.0149 | 0.0149 | 123 | |
| PCB-195 | 49:40 | 21098 | 0.92 | 0.7839 | 0.5412 | 0.5412 | 0.0222 | 0.0222 | 108 | M |
| PCB-194 | 52:00 | 27183 | 0.86 | 0.9282 | 0.5889 | 0.5889 | 0.0187 | 0.0187 | 118 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205 | 52:29 | 35399 | 0.98 | 1.2342 | 0.5767 | 0.5767 | 0.0141 | 0.0141 | 115 | |
| S Total Nonachlorobipheny | | | | | 1.753 | 1.753 | 0.0484 | 0.0484 | | |
| D PCB-208L | 49:25 | 4379091 | 0.80 | 1.1383 | 100.7 | 100.7 | 0.3050 | 0.3050 | 101 | |
| D PCB-206L | 54:13 | 3514362 | 0.80 | 0.8938 | 102.9 | 102.9 | 0.3883 | 0.3883 | 103 | |
| PCB-208 | 49:26 | 29351 | 0.82 | 1.1567 | 0.5794 | 0.5794 | 0.0453 | 0.0453 | 116 | M |
| PCB-207 | 50:22 | 32601 | 0.74 | 1.3964 | 0.5915 | 0.5915 | 0.0425 | 0.0425 | 118 | M |
| PCB-206 | 54:15 | 24384 | 0.70 | 1.1927 | 0.5817 | 0.5817 | 0.0573 | 0.0573 | 116 | M |
| D PCB-209L | 55:52 | 3889770 | 0.70 | 0.9809 | 103.8 | 103.8 | 0.0401 | 0.0401 | 104 | |
| DCB Decachlorobiphenyl | 55:54 | 28172 | 0.68 | 1.2455 | 0.5815 | 0.5815 | 0.008769 | 0.008769 | 116 | |
| S Polychlorinated bipheny | | | | | 116.8 | 0.5815 | 0.0219 | 0.0219 | | RQ |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

## Reagents:

61L0.51668P_00004 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Aug-2019 13:37:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:36:08 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 21-Aug-2019 15:13:50

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:48 | 11:48 | 0 | 0.728 | 4176814 | 1699288 | 865 | 2162 | 1964 | | |
| 202.0766 | 11:48 | 11:48 | 0 | 0.728 | 1374277 | 555956 | 652 | 1630 | 853 | 3.04(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:58 | 13:58 | 0 | 0.863 | 4272487 | 1415401 | 865 | 2162 | 1636 | | |
| 202.0766 | 13:58 | 13:58 | 0 | 0.863 | 1347995 | 449196 | 652 | 1630 | 689 | 3.17(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | a |
| 188.0393 | 11:48 | 11:49 | 0 | 1.001 | 23135 | 9581 | 40 | 100 | 240 | | a |
| 190.0363 | 11:48 | 11:49 | 0 | 1.001 | 6500 | 2512 | 31 | 77 | 81 | 3.56(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | M |
| 188.0393 | 13:48 | 13:49 | -1 | 0.988 | 22667 | 7022 | 40 | 100 | 176 | | M |
| 190.0363 | 13:48 | 13:49 | -1 | 0.988 | 8385 | 2761 | 31 | 77 | 89 | 2.70(2.66-3.60) | M |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:59 | 13:59 | 0 | 1.001 | 26444 | 9023 | 40 | 100 | 226 | | |
| 190.0363 | 13:58 | 13:59 | -1 | 1.000 | 9088 | 2686 | 31 | 77 | 87 | 2.91(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:13 | 14:14 | -1 | 0.878 | 1563945 | 520603 | 593 | 1482 | 878 | | |
| 236.0376 | 14:13 | 14:14 | -1 | 0.878 | 996218 | 329902 | 169 | 422 | 1952 | 1.57(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:11 | 16:11 | 0 | | 2551660 | 778967 | 593 | 1482 | 1314 | | |
| 236.0376 | 16:11 | 16:11 | 0 | | 1608293 | 481772 | 169 | 422 | 2851 | 1.59(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:07 | 20:07 | 0 | 1.242 | 2636276 | 621201 | 593 | 1482 | 1048 | | |
| 236.0376 | 20:06 | 20:07 | -1 | 1.242 | 1591276 | 383816 | 169 | 422 | 2271 | 1.66(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | M |
| 222.0003 | 14:14 | 14:14 | 0 | 1.002 | 10094 | 3156 | 48 | 120 | 66 | | M |
| 223.9974 | 14:14 | 14:14 | -1 | 1.001 | 5703 | 1959 | 84 | 210 | 23 | 1.77(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:25 | 14:25 | 0 | 1.014 | 14640 | 4963 | 48 | 120 | 103 | | |
| 223.9974 | 14:25 | 14:25 | 0 | 1.014 | 9804 | 3105 | 84 | 210 | 37 | 1.49(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:12 | 16:13 | -1 | 1.140 | 14670 | 4522 | 48 | 120 | 94 | | |
| 223.9974 | 16:12 | 16:13 | -1 | 1.140 | 10380 | 3217 | 84 | 210 | 38 | 1.41(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:22 | 16:23 | -1 | 1.152 | 17453 | 5113 | 48 | 120 | 107 | | |
| 223.9974 | 16:22 | 16:23 | -1 | 1.152 | 11043 | 3086 | 84 | 210 | 37 | 1.58(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:36 | 16:37 | -1 | 1.168 | 16288 | 4334 | 48 | 120 | 90 | | |
| 223.9974 | 16:36 | 16:37 | -1 | 1.168 | 10862 | 3275 | 84 | 210 | 39 | 1.50(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:55 | 16:55 | 0 | 1.191 | 16176 | 4639 | 48 | 120 | 97 | | |
| 223.9974 | 16:55 | 16:55 | 0 | 1.191 | 10822 | 3119 | 84 | 210 | 37 | 1.49(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | RQM |
| 222.0003 | 17:03 | 17:03 | 0 | 1.200 | 17743 | 4803 | 48 | 120 | 100 | | M |
| | Empc Correction | | | | 15392 | 4422 | 48 | 120 | 92 | | |
| 223.9974 | 17:02 | 17:03 | -1 | 1.199 | 9867 | 2835 | 84 | 210 | 34 | 1.80(1.33-1.79) | M |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:40 | 18:40 | 0 | 0.928 | 20320 | 5034 | 48 | 120 | 105 | | |
| 223.9974 | 18:40 | 18:40 | 0 | 0.928 | 13532 | 3295 | 84 | 210 | 39 | 1.50(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:31 | 19:30 | 0 | 0.970 | 18826 | 4441 | 48 | 120 | 93 | | |
| 223.9974 | 19:31 | 19:30 | 0 | 0.970 | 12648 | 2943 | 84 | 210 | 35 | 1.49(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:50 | 0 | 0.986 | 34982 | 5651 | 48 | 120 | 118 | | |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 24060 | 3977 | 84 | 210 | 47 | 1.45(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:50 | 0 | 0.986 | 34982 | 5651 | 48 | 120 | 118 | | |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 24060 | 3977 | 84 | 210 | 47 | 1.45(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | M |
| 222.0003 | 20:07 | 20:07 | 0 | 1.001 | 19726 | 4880 | 48 | 120 | 102 | | M |
| 223.9974 | 20:07 | 20:07 | 0 | 1.001 | 13222 | 3058 | 84 | 210 | 36 | 1.49(1.33-1.79) | M |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:20 | 17:19 | 0 | 0.842 | 716376 | 206989 | 618 | 1545 | 335 | | |
| 269.9986 | 17:20 | 17:19 | 0 | 0.842 | 676420 | 192558 | 292 | 730 | 659 | 1.06(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:35 | 20:36 | -1 | | 1208101 | 309097 | 618 | 1545 | 500 | | |
| 269.9986 | 20:35 | 20:36 | -1 | | 1094430 | 281809 | 292 | 730 | 965 | 1.10(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:51 | 22:51 | -1 | | 3520798 | 826648 | 552 | 1380 | 1498 | | |
| 269.9986 | 22:51 | 22:51 | -1 | | 3343395 | 791574 | 862 | 2155 | 918 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:09 | 27:09 | 0 | 1.188 | 3125476 | 639728 | 552 | 1380 | 1159 | | |
| 269.9986 | 27:09 | 27:09 | 0 | 1.188 | 2956149 | 620787 | 862 | 2155 | 720 | 1.06(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:21 | 0 | 1.002 | 4770 | 1414 | 19 | 47 | 74 | | |
| 257.9584 | 17:20 | 17:21 | -1 | 1.001 | 4373 | 1163 | 26 | 65 | 45 | 1.09(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 0 | 1.108 | 12940 | 3044 | 19 | 47 | 160 | | |
| 257.9584 | 19:12 | 19:12 | 0 | 1.108 | 12783 | 2735 | 26 | 65 | 105 | 1.01(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 0 | 1.108 | 12940 | 3044 | 19 | 47 | 160 | | |
| 257.9584 | 19:12 | 19:12 | 0 | 1.108 | 12783 | 2735 | 26 | 65 | 105 | 1.01(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:38 | 19:38 | -1 | 1.133 | 6202 | 1500 | 19 | 47 | 79 | | |
| 257.9584 | 19:38 | 19:38 | -1 | 1.133 | 5488 | 1574 | 26 | 65 | 61 | 1.13(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:50 | 19:51 | -1 | 1.145 | 7643 | 2054 | 19 | 47 | 108 | | |
| 257.9584 | 19:50 | 19:51 | -1 | 1.145 | 8056 | 1985 | 26 | 65 | 76 | 0.95(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | 19:59 | 0 | 1.153 | 7815 | 1852 | 19 | 47 | 97 | | |
| 257.9584 | 19:59 | 19:59 | 0 | 1.153 | 7796 | 1994 | 26 | 65 | 77 | 1.00(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:05 | 20:06 | -1 | 1.159 | 4877 | 1231 | 19 | 47 | 65 | | |
| 257.9584 | 20:05 | 20:06 | -1 | 1.159 | 4282 | 1214 | 26 | 65 | 47 | 1.14(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | M |
| 255.9613 | 20:36 | 20:37 | -1 | 1.190 | 9761 | 2436 | 19 | 47 | 128 | | M |
| 257.9584 | 20:36 | 20:37 | -1 | 1.189 | 8253 | 2068 | 26 | 65 | 80 | 1.18(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:53 | 21:53 | 0 | 1.263 | 19186 | 4649 | 94 | 235 | 49 | | |
| 257.9584 | 21:52 | 21:53 | -1 | 1.262 | 18840 | 4913 | 61 | 152 | 81 | 1.02(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:01 | 22:02 | -1 | 1.271 | 22140 | 5877 | 94 | 235 | 63 | | |
| 257.9584 | 22:01 | 22:02 | -1 | 1.271 | 19563 | 4905 | 61 | 152 | 80 | 1.13(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:20 | 22:21 | -1 | 1.289 | 43657 | 8263 | 94 | 235 | 88 | | |
| 257.9584 | 22:20 | 22:21 | -1 | 1.289 | 42726 | 7907 | 61 | 152 | 130 | 1.02(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:20 | 22:21 | -1 | 1.289 | 43657 | 8263 | 94 | 235 | 88 | | |
| 257.9584 | 22:20 | 22:21 | -1 | 1.289 | 42726 | 7907 | 61 | 152 | 130 | 1.02(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:33 | 22:34 | -1 | 0.831 | 23085 | 5424 | 94 | 235 | 58 | | |
| 257.9584 | 22:34 | 22:34 | 0 | 0.831 | 22293 | 4755 | 61 | 152 | 78 | 1.04(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:52 | 22:53 | -1 | 0.842 | 25416 | 6270 | 94 | 235 | 67 | | |
| 257.9584 | 22:52 | 22:53 | -1 | 0.843 | 22881 | 5716 | 61 | 152 | 94 | 1.11(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | -1 | 0.854 | 43868 | 9240 | 94 | 235 | 98 | | |
| 257.9584 | 23:11 | 23:11 | -1 | 0.854 | 41940 | 8426 | 61 | 152 | 138 | 1.05(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | -1 | 0.854 | 43868 | 9240 | 94 | 235 | 98 | | |
| 257.9584 | 23:11 | 23:11 | -1 | 0.854 | 41940 | 8426 | 61 | 152 | 138 | 1.05(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 46952 | 6152 | 94 | 235 | 65 | | |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 42912 | 5430 | 61 | 152 | 89 | 1.09(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 46952 | 6152 | 94 | 235 | 65 | | |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 42912 | 5430 | 61 | 152 | 89 | 1.09(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:48 | 23:49 | -1 | 0.877 | 22210 | 5031 | 94 | 235 | 54 | | |
| 257.9584 | 23:48 | 23:49 | -1 | 0.877 | 20555 | 4486 | 61 | 152 | 74 | 1.08(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:21 | 25:22 | -1 | 0.934 | 24911 | 4923 | 94 | 235 | 52 | | |
| 257.9584 | 25:22 | 25:22 | -1 | 0.934 | 22699 | 5384 | 61 | 152 | 88 | 1.10(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:43 | 25:44 | -1 | 0.948 | 23753 | 5022 | 94 | 235 | 53 | | |
| 257.9584 | 25:43 | 25:44 | -1 | 0.948 | 22898 | 5280 | 61 | 152 | 87 | 1.04(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | M |
| 255.9613 | 26:18 | 26:19 | -1 | 0.969 | 23255 | 5001 | 94 | 235 | 53 | | M |
| 257.9584 | 26:18 | 26:19 | -1 | 0.969 | 21696 | 4287 | 61 | 152 | 70 | 1.07(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | M |
| 255.9613 | 26:46 | 26:46 | 0 | 0.986 | 22327 | 5083 | 94 | 235 | 54 | | |
| 257.9584 | 26:46 | 26:46 | 0 | 0.986 | 20912 | 4245 | 61 | 152 | 70 | 1.07(0.88-1.20) | M |
| PCB-37 | | | | | | | | | | | M |
| 255.9613 | 27:10 | 27:11 | -1 | 1.000 | 22526 | 5116 | 94 | 235 | 54 | | M |
| 257.9584 | 27:10 | 27:11 | -1 | 1.000 | 21600 | 4400 | 61 | 152 | 72 | 1.04(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:25 | 20:25 | 0 | 0.817 | 656795 | 167457 | 47 | 117 | 3563 | | |
| 303.9597 | 20:25 | 20:25 | 0 | 0.817 | 777241 | 203123 | 5 | 12 | 40625 | 0.85(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:58 | 25:00 | -1 | | 1817914 | 405282 | 231 | 577 | 1754 | | |
| 303.9597 | 24:59 | 25:00 | -1 | | 2261861 | 502495 | 563 | 1407 | 893 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:54 | 33:56 | -2 | 1.358 | 2229516 | 432333 | 231 | 577 | 1872 | | |
| 303.9597 | 33:54 | 33:56 | -2 | 1.358 | 2791944 | 546678 | 563 | 1407 | 971 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:27 | 34:29 | -2 | 1.380 | 2259413 | 426196 | 231 | 577 | 1845 | | |
| 303.9597 | 34:27 | 34:29 | -2 | 1.380 | 2820524 | 520543 | 563 | 1407 | 925 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:26 | 20:26 | 0 | 1.000 | 4412 | 1199 | 9 | 22 | 133 | | |
| 291.9194 | 20:25 | 20:26 | -1 | 0.999 | 6084 | 1481 | 14 | 35 | 106 | 0.73(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.108 | 22069 | 4049 | 49 | 122 | 83 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.108 | 29083 | 5540 | 105 | 262 | 53 | 0.76(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.108 | 22069 | 4049 | 49 | 122 | 83 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.108 | 29083 | 5540 | 105 | 262 | 53 | 0.76(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:15 | 23:21 | -6 | 1.139 | 20980 | 2729 | 49 | 122 | 56 | | M |
| 291.9194 | 23:21 | 23:21 | -1 | 1.144 | 25789 | 3282 | 105 | 262 | 31 | 0.81(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:15 | 23:21 | -6 | 1.139 | 20980 | 2729 | 49 | 122 | 56 | | M |
| 291.9194 | 23:21 | 23:21 | -1 | 1.144 | 25789 | 3282 | 105 | 262 | 31 | 0.81(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:34 | 23:35 | -1 | 1.155 | 9429 | 2165 | 49 | 122 | 44 | | |
| 291.9194 | 23:35 | 23:35 | 0 | 1.155 | 12427 | 2845 | 105 | 262 | 27 | 0.76(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 25:01 | 25:00 | 0 | 1.225 | 10400 | 2381 | 49 | 122 | 49 | | |
| 291.9194 | 25:01 | 25:00 | 0 | 1.225 | 14556 | 3355 | 105 | 262 | 32 | 0.71(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:09 | 25:09 | -1 | 1.232 | 25422 | 3710 | 49 | 122 | 76 | | M |
| 291.9194 | 25:09 | 25:09 | -1 | 1.232 | 29870 | 4144 | 105 | 262 | 39 | 0.85(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:09 | 25:09 | -1 | 1.232 | 25422 | 3710 | 49 | 122 | 76 | | M |
| 291.9194 | 25:09 | 25:09 | -1 | 1.232 | 29870 | 4144 | 105 | 262 | 39 | 0.85(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | M |
| 289.9224 | 25:28 | 25:29 | -1 | 1.248 | 28720 | 4669 | 49 | 122 | 95 | | |
| 291.9194 | 25:27 | 25:29 | -1 | 1.247 | 33980 | 5359 | 105 | 262 | 51 | 0.85(0.65-0.89) | M |
| PCB-69 (C49) | | | | | | | | | | | M |
| 289.9224 | 25:28 | 25:29 | -1 | 1.248 | 28720 | 4669 | 49 | 122 | 95 | | |
| 291.9194 | 25:27 | 25:29 | -1 | 1.247 | 33980 | 5359 | 105 | 262 | 51 | 0.85(0.65-0.89) | M |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:47 | 25:48 | -1 | 1.263 | 11867 | 2643 | 49 | 122 | 54 | | |
| 291.9194 | 25:46 | 25:48 | -1 | 1.263 | 15743 | 3377 | 105 | 262 | 32 | 0.75(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | -1 | 1.275 | 39171 | 6470 | 49 | 122 | 132 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.275 | 49507 | 8062 | 105 | 262 | 77 | 0.79(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | -1 | 1.275 | 39171 | 6470 | 49 | 122 | 132 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.275 | 49507 | 8062 | 105 | 262 | 77 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | -1 | 1.275 | 39171 | 6470 | 49 | 122 | 132 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.275 | 49507 | 8062 | 105 | 262 | 77 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | -1 | 1.289 | 47531 | 7039 | 49 | 122 | 144 | | |
| 291.9194 | 26:18 | 26:20 | -1 | 1.289 | 61101 | 8653 | 105 | 262 | 82 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | -1 | 1.289 | 47531 | 7039 | 49 | 122 | 144 | | |
| 291.9194 | 26:18 | 26:20 | -1 | 1.289 | 61101 | 8653 | 105 | 262 | 82 | 0.78(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | -1 | 1.289 | 47531 | 7039 | 49 | 122 | 144 | | |
| 291.9194 | 26:18 | 26:20 | -1 | 1.289 | 61101 | 8653 | 105 | 262 | 82 | 0.78(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:31 | 26:33 | -1 | 1.299 | 12330 | 2808 | 49 | 122 | 57 | | |
| 291.9194 | 26:31 | 26:33 | -1 | 1.299 | 14002 | 2973 | 105 | 262 | 28 | 0.88(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 27:01 | 27:02 | 0 | 1.324 | 34367 | 4734 | 49 | 122 | 97 | | |
| 291.9194 | 27:01 | 27:02 | 0 | 1.324 | 44507 | 6525 | 105 | 262 | 62 | 0.77(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:01 | 27:02 | 0 | 1.324 | 34367 | 4734 | 49 | 122 | 97 | | |
| 291.9194 | 27:01 | 27:02 | 0 | 1.324 | 44507 | 6525 | 105 | 262 | 62 | 0.77(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:01 | 27:02 | 0 | 1.324 | 34367 | 4734 | 49 | 122 | 97 | | |
| 291.9194 | 27:01 | 27:02 | 0 | 1.324 | 44507 | 6525 | 105 | 262 | 62 | 0.77(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:14 | 27:15 | -1 | 1.334 | 18115 | 3960 | 49 | 122 | 81 | | |
| 291.9194 | 27:14 | 27:15 | -1 | 1.334 | 23447 | 5330 | 105 | 262 | 51 | 0.77(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:04 | 28:06 | -1 | 0.828 | 16318 | 3413 | 49 | 122 | 70 | | |
| 291.9194 | 28:05 | 28:06 | 0 | 0.829 | 20890 | 5024 | 105 | 262 | 48 | 0.78(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:22 | 28:23 | -1 | 0.837 | 18830 | 3631 | 49 | 122 | 74 | | |
| 291.9194 | 28:22 | 28:23 | -1 | 0.837 | 24251 | 5132 | 105 | 262 | 49 | 0.78(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:47 | 28:48 | 0 | 0.849 | 17144 | 3433 | 49 | 122 | 70 | | |
| 291.9194 | 28:47 | 28:48 | 0 | 0.849 | 21885 | 4595 | 105 | 262 | 44 | 0.78(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:01 | 29:02 | -1 | 0.856 | 16545 | 3419 | 49 | 122 | 70 | | |
| 291.9194 | 29:02 | 29:02 | 0 | 0.856 | 21372 | 4967 | 105 | 262 | 47 | 0.77(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:12 | 29:12 | 0 | 0.861 | 17515 | 3484 | 49 | 122 | 71 | | |
| 291.9194 | 29:11 | 29:12 | -1 | 0.861 | 22858 | 4273 | 105 | 262 | 41 | 0.77(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:27 | 29:28 | -1 | 0.869 | 18672 | 4014 | 49 | 122 | 82 | | |
| 291.9194 | 29:28 | 29:28 | 0 | 0.869 | 23969 | 4568 | 105 | 262 | 44 | 0.78(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.879 | 67704 | 7729 | 49 | 122 | 158 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.879 | 85098 | 9598 | 105 | 262 | 91 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.879 | 67704 | 7729 | 49 | 122 | 158 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.879 | 85098 | 9598 | 105 | 262 | 91 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.879 | 67704 | 7729 | 49 | 122 | 158 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.879 | 85098 | 9598 | 105 | 262 | 91 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.879 | 67704 | 7729 | 49 | 122 | 158 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.879 | 85098 | 9598 | 105 | 262 | 91 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:07 | 30:08 | -1 | 0.888 | 16299 | 3507 | 49 | 122 | 72 | | |
| 291.9194 | 30:07 | 30:08 | -1 | 0.888 | 21126 | 4073 | 105 | 262 | 39 | 0.77(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:16 | 30:18 | -1 | 0.893 | 17007 | 3338 | 49 | 122 | 68 | | |
| 291.9194 | 30:16 | 30:18 | -1 | 0.893 | 22682 | 4436 | 105 | 262 | 42 | 0.75(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:47 | 30:48 | -1 | 0.908 | 16372 | 3372 | 49 | 122 | 69 | | |
| 291.9194 | 30:47 | 30:48 | -1 | 0.908 | 21915 | 4481 | 105 | 262 | 43 | 0.75(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:00 | 31:00 | 0 | 0.914 | 18384 | 3517 | 49 | 122 | 72 | | |
| 291.9194 | 30:59 | 31:00 | -1 | 0.914 | 22309 | 4323 | 105 | 262 | 41 | 0.82(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:25 | 31:26 | 0 | 0.927 | 18146 | 3930 | 49 | 122 | 80 | | |
| 291.9194 | 31:24 | 31:26 | -1 | 0.926 | 23572 | 5071 | 105 | 262 | 48 | 0.77(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:56 | 32:57 | -1 | 0.971 | 19150 | 3427 | 49 | 122 | 70 | | |
| 291.9194 | 32:56 | 32:57 | -1 | 0.971 | 23082 | 4573 | 105 | 262 | 44 | 0.83(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:29 | 33:31 | -1 | 0.988 | 19330 | 3282 | 49 | 122 | 67 | | |
| 291.9194 | 33:29 | 33:31 | -1 | 0.988 | 26258 | 4033 | 105 | 262 | 38 | 0.74(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:55 | 33:57 | -1 | 1.001 | 15746 | 3568 | 49 | 122 | 73 | | |
| 291.9194 | 33:56 | 33:57 | 0 | 1.001 | 23130 | 4077 | 105 | 262 | 39 | 0.68(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:28 | 34:30 | -2 | 1.000 | 17275 | 2944 | 49 | 122 | 60 | | |
| 291.9194 | 34:29 | 34:30 | -1 | 1.001 | 24635 | 4295 | 105 | 262 | 41 | 0.70(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:55 | 25:57 | -1 | 0.814 | 2427756 | 543154 | 52 | 130 | 10445 | | |
| 339.9178 | 25:55 | 25:57 | -1 | 0.814 | 1513090 | 339506 | 22 | 55 | 15432 | 1.60(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:50 | 31:51 | -1 | | 2124319 | 441719 | 52 | 130 | 8495 | | |
| 339.9178 | 31:50 | 31:51 | -1 | | 1321712 | 280461 | 22 | 55 | 12748 | 1.61(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:29 | 36:30 | -1 | 1.146 | 3010207 | 614908 | 2697 | 6742 | 228 | | |
| 339.9178 | 36:29 | 36:30 | -1 | 1.146 | 1897196 | 380032 | 1341 | 3352 | 283 | 1.59(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:49 | 36:50 | -1 | 1.156 | 3163790 | 628736 | 2697 | 6742 | 233 | | |
| 339.9178 | 36:49 | 36:50 | -1 | 1.156 | 2005329 | 398057 | 1341 | 3352 | 297 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:20 | 37:22 | -2 | 1.173 | 3136378 | 622014 | 2697 | 6742 | 231 | | |
| 339.9178 | 37:20 | 37:22 | -2 | 1.173 | 1992152 | 401672 | 1341 | 3352 | 300 | 1.57(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:59 | 38:00 | -1 | 1.193 | 3156147 | 634522 | 2697 | 6742 | 235 | | |
| 339.9178 | 37:59 | 38:00 | -1 | 1.193 | 1991354 | 399105 | 1341 | 3352 | 298 | 1.58(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:28 | 39:30 | -2 | | 3031506 | 587887 | 2697 | 6742 | 218 | | |
| 339.9178 | 39:28 | 39:30 | -2 | | 1960800 | 381099 | 1341 | 3352 | 284 | 1.55(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:04 | 41:05 | -1 | 1.290 | 2754096 | 527447 | 2697 | 6742 | 196 | | |
| 339.9178 | 41:04 | 41:05 | -1 | 1.290 | 1770578 | 341783 | 1341 | 3352 | 255 | 1.56(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:57 | 25:58 | -1 | 1.001 | 19202 | 4567 | 35 | 87 | 130 | | |
| 327.8775 | 25:58 | 25:58 | -1 | 1.001 | 11893 | 2485 | 29 | 72 | 86 | 1.61(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:19 | 26:20 | -1 | 1.015 | 15254 | 3559 | 35 | 87 | 102 | | |
| 327.8775 | 26:19 | 26:20 | -1 | 1.015 | 10626 | 2160 | 29 | 72 | 74 | 1.44(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | M |
| 325.8804 | 28:16 | 28:16 | 0 | 1.090 | 14801 | 3127 | 35 | 87 | 89 | | M |
| 327.8775 | 28:16 | 28:16 | 0 | 1.090 | 8338 | 1929 | 29 | 72 | 67 | 1.78(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:28 | 28:30 | -2 | 1.098 | 11684 | 2376 | 35 | 87 | 68 | | |
| 327.8775 | 28:29 | 28:30 | -1 | 1.099 | 8035 | 1792 | 29 | 72 | 62 | 1.45(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:55 | 28:56 | -1 | 1.115 | 13623 | 2827 | 35 | 87 | 81 | | |
| 327.8775 | 28:55 | 28:56 | -1 | 1.115 | 7732 | 1865 | 29 | 72 | 64 | 1.76(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | -1 | 1.124 | 26032 | 5458 | 35 | 87 | 156 | | |
| 327.8775 | 29:08 | 29:10 | -2 | 1.124 | 16194 | 3277 | 29 | 72 | 113 | 1.61(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | -1 | 1.124 | 26032 | 5458 | 35 | 87 | 156 | | |
| 327.8775 | 29:08 | 29:10 | -2 | 1.124 | 16194 | 3277 | 29 | 72 | 113 | 1.61(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:19 | 29:18 | 1 | 1.131 | 26696 | 3115 | 35 | 87 | 89 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.130 | 17605 | 2091 | 29 | 72 | 72 | 1.52(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:19 | 29:18 | 1 | 1.131 | 26696 | 3115 | 35 | 87 | 89 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.130 | 17605 | 2091 | 29 | 72 | 72 | 1.52(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | Ma |
| 325.8804 | 29:47 | 29:48 | 0 | 1.149 | 29418 | 3617 | 35 | 87 | 103 | | M |
| 327.8775 | 29:47 | 29:48 | 0 | 1.149 | 17694 | 1996 | 29 | 72 | 69 | 1.66(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | Ma |
| 325.8804 | 29:47 | 29:48 | 0 | 1.149 | 29418 | 3617 | 35 | 87 | 103 | | M |
| 327.8775 | 29:47 | 29:48 | 0 | 1.149 | 17694 | 1996 | 29 | 72 | 69 | 1.66(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-84 | | | | | | | | | | | RQMa |
| 325.8804 | 30:00 | 30:01 | 0 | 1.158 | 13562 | 2817 | 35 | 87 | 80 | | M |
| | Empc Correction | | | | 11184 | 2583 | 35 | 87 | 74 | | |
| 327.8775 | 30:00 | 30:01 | 0 | 1.158 | 7216 | 1667 | 29 | 72 | 57 | 1.88(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | M |
| 325.8804 | 30:29 | 30:30 | 0 | 1.176 | 12547 | 2463 | 35 | 87 | 70 | | M |
| 327.8775 | 30:29 | 30:30 | 0 | 1.176 | 7191 | 1575 | 29 | 72 | 54 | 1.74(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:55 | 30:56 | -1 | 1.192 | 20952 | 4471 | 35 | 87 | 128 | | |
| 327.8775 | 30:55 | 30:56 | -1 | 1.192 | 11745 | 2462 | 29 | 72 | 85 | 1.78(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:16 | 31:18 | -2 | 0.857 | 13971 | 2784 | 35 | 87 | 80 | | |
| 327.8775 | 31:16 | 31:18 | -2 | 0.857 | 8024 | 1829 | 29 | 72 | 63 | 1.74(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -1 | 1.229 | 47223 | 6866 | 35 | 87 | 196 | | |
| 327.8775 | 31:51 | 31:52 | -1 | 1.229 | 28148 | 4497 | 29 | 72 | 155 | 1.68(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -1 | 1.229 | 47223 | 6866 | 35 | 87 | 196 | | |
| 327.8775 | 31:51 | 31:52 | -1 | 1.229 | 28148 | 4497 | 29 | 72 | 155 | 1.68(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -1 | 1.229 | 47223 | 6866 | 35 | 87 | 196 | | |
| 327.8775 | 31:51 | 31:52 | -1 | 1.229 | 28148 | 4497 | 29 | 72 | 155 | 1.68(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | M |
| 325.8804 | 32:28 | 32:28 | 0 | 1.252 | 24771 | 3337 | 35 | 87 | 95 | | |
| 327.8775 | 32:20 | 32:28 | -8 | 1.247 | 16741 | 1873 | 29 | 72 | 65 | 1.48(1.32-1.78) | M |
| PCB-99 (C83) | | | | | | | | | | | M |
| 325.8804 | 32:28 | 32:28 | 0 | 1.252 | 24771 | 3337 | 35 | 87 | 95 | | |
| 327.8775 | 32:20 | 32:28 | -8 | 1.247 | 16741 | 1873 | 29 | 72 | 65 | 1.48(1.32-1.78) | M |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:34 | 32:35 | -1 | 1.256 | 19645 | 3846 | 35 | 87 | 110 | | |
| 327.8775 | 32:34 | 32:35 | -1 | 1.256 | 11517 | 2658 | 29 | 72 | 92 | 1.71(1.32-1.78) | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 96439 | 10514 | 35 | 87 | 300 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 57642 | 6636 | 29 | 72 | 229 | 1.67(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 96439 | 10514 | 35 | 87 | 300 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 57642 | 6636 | 29 | 72 | 229 | 1.67(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 96439 | 10514 | 35 | 87 | 300 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 57642 | 6636 | 29 | 72 | 229 | 1.67(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 96439 | 10514 | 35 | 87 | 300 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 57642 | 6636 | 29 | 72 | 229 | 1.67(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 96439 | 10514 | 35 | 87 | 300 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 57642 | 6636 | 29 | 72 | 229 | 1.67(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 96439 | 10514 | 35 | 87 | 300 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 57642 | 6636 | 29 | 72 | 229 | 1.67(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.299 | 50911 | 6552 | 35 | 87 | 187 | | |
| 327.8775 | 33:39 | 33:41 | -2 | 1.298 | 30468 | 4040 | 29 | 72 | 139 | 1.67(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.299 | 50911 | 6552 | 35 | 87 | 187 | | |
| 327.8775 | 33:39 | 33:41 | -2 | 1.298 | 30468 | 4040 | 29 | 72 | 139 | 1.67(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.299 | 50911 | 6552 | 35 | 87 | 187 | | |
| 327.8775 | 33:39 | 33:41 | -2 | 1.298 | 30468 | 4040 | 29 | 72 | 139 | 1.67(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | Ma |
| 325.8804 | 33:55 | 33:56 | -1 | 1.308 | 38186 | 4242 | 35 | 87 | 121 | | M |
| 327.8775 | 33:50 | 33:56 | -6 | 1.305 | 24498 | 2706 | 29 | 72 | 93 | 1.56(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | Ma |
| 325.8804 | 33:55 | 33:56 | -1 | 1.308 | 38186 | 4242 | 35 | 87 | 121 | | M |
| 327.8775 | 33:50 | 33:56 | -6 | 1.305 | 24498 | 2706 | 29 | 72 | 93 | 1.56(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | RQMa |
| 325.8804 | 34:08 | 34:10 | -2 | 1.317 | 13179 | 2773 | 35 | 87 | 79 | | M |
| | Empc Correction | | | | 11234 | 2249 | 35 | 87 | 64 | | |
| 327.8775 | 34:08 | 34:10 | -2 | 1.317 | 7248 | 1451 | 29 | 72 | 50 | 1.82(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:34 | 34:35 | -1 | 1.333 | 19279 | 4124 | 35 | 87 | 118 | | |
| 327.8775 | 34:34 | 34:35 | -1 | 1.333 | 12385 | 2590 | 29 | 72 | 89 | 1.56(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:01 | 35:02 | -1 | 1.351 | 21474 | 4594 | 35 | 87 | 131 | | |
| 327.8775 | 35:00 | 35:02 | -2 | 1.350 | 13211 | 2377 | 29 | 72 | 82 | 1.63(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:09 | 36:10 | -1 | 1.394 | 43328 | 8373 | 56 | 140 | 150 | | |
| 327.8775 | 36:09 | 36:10 | -1 | 1.394 | 27068 | 5396 | 47 | 117 | 115 | 1.60(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:09 | 36:10 | -1 | 1.394 | 43328 | 8373 | 56 | 140 | 150 | | |
| 327.8775 | 36:09 | 36:10 | -1 | 1.394 | 27068 | 5396 | 47 | 117 | 115 | 1.60(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:23 | 36:25 | -1 | 1.404 | 22114 | 4199 | 56 | 140 | 75 | | |
| 327.8775 | 36:23 | 36:25 | -1 | 1.404 | 14571 | 2979 | 47 | 117 | 63 | 1.52(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:30 | 36:32 | -2 | 1.000 | 22449 | 4723 | 56 | 140 | 84 | | |
| 327.8775 | 36:30 | 36:32 | -2 | 1.000 | 14995 | 2886 | 47 | 117 | 61 | 1.50(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:37 | 36:39 | -2 | 1.004 | 22024 | 4446 | 56 | 140 | 79 | | |
| 327.8775 | 36:38 | 36:39 | -1 | 1.004 | 12919 | 2864 | 47 | 117 | 61 | 1.70(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:50 | 36:51 | -1 | 1.001 | 22810 | 4296 | 56 | 140 | 77 | | |
| 327.8775 | 36:50 | 36:51 | -1 | 1.001 | 14553 | 2593 | 47 | 117 | 55 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:10 | 37:12 | -1 | 1.010 | 21236 | 4568 | 56 | 140 | 82 | | |
| 327.8775 | 37:10 | 37:12 | -1 | 1.010 | 12090 | 2635 | 47 | 117 | 56 | 1.76(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:21 | 37:23 | -1 | 1.001 | 25310 | 4693 | 56 | 140 | 84 | | |
| 327.8775 | 37:21 | 37:23 | -1 | 1.001 | 15706 | 2846 | 47 | 117 | 61 | 1.61(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:00 | 38:02 | -2 | 1.000 | 23062 | 4625 | 56 | 140 | 83 | | |
| 327.8775 | 38:00 | 38:02 | -2 | 1.000 | 15018 | 2941 | 47 | 117 | 63 | 1.54(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:29 | 39:31 | -1 | 1.040 | 20918 | 3733 | 56 | 140 | 67 | | |
| 327.8775 | 39:29 | 39:31 | -1 | 1.040 | 13147 | 2527 | 47 | 117 | 54 | 1.59(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:05 | 41:07 | -2 | 1.000 | 21077 | 4080 | 56 | 140 | 73 | | |
| 327.8775 | 41:06 | 41:07 | -1 | 1.001 | 13373 | 2376 | 47 | 117 | 51 | 1.58(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:37 | 31:38 | -1 | 0.792 | 1871920 | 396513 | 33 | 82 | 12016 | | |
| 373.8788 | 31:37 | 31:38 | -1 | 0.792 | 1485653 | 316786 | 40 | 100 | 7920 | 1.26(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:56 | 39:58 | -2 | | 2049783 | 406335 | 788 | 1970 | 516 | | |
| 373.8788 | 39:56 | 39:58 | -2 | | 1629628 | 327470 | 569 | 1422 | 576 | 1.26(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:57 | 42:58 | -1 | 1.076 | 2651328 | 520431 | 788 | 1970 | 660 | | |
| 373.8788 | 42:57 | 42:58 | -1 | 1.076 | 2075463 | 406244 | 569 | 1422 | 714 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:05 | 44:07 | -2 | 1.104 | 5187545 | 748077 | 788 | 1970 | 949 | | |
| 373.8788 | 44:05 | 44:07 | -2 | 1.104 | 4062502 | 567592 | 569 | 1422 | 998 | 1.28(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:05 | 44:07 | -2 | 1.104 | 5187545 | 748077 | 788 | 1970 | 949 | | |
| 373.8788 | 44:05 | 44:07 | -2 | 1.104 | 4062502 | 567592 | 569 | 1422 | 998 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:20 | 47:22 | -2 | 1.185 | 2308559 | 442402 | 788 | 1970 | 561 | | |
| 373.8788 | 47:20 | 47:22 | -2 | 1.185 | 1824305 | 338956 | 569 | 1422 | 596 | 1.27(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:39 | 31:40 | -1 | 1.001 | 14367 | 3429 | 34 | 85 | 101 | | |
| 361.8385 | 31:39 | 31:40 | -1 | 1.001 | 10850 | 2317 | 21 | 52 | 110 | 1.32(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:50 | 31:51 | -1 | 1.006 | 13005 | 2783 | 34 | 85 | 82 | | |
| 361.8385 | 31:49 | 31:51 | -2 | 1.006 | 11178 | 2252 | 21 | 52 | 107 | 1.16(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:00 | 32:01 | -1 | 1.012 | 12885 | 2864 | 34 | 85 | 84 | | |
| 361.8385 | 32:01 | 32:01 | 0 | 1.012 | 9771 | 2153 | 21 | 52 | 103 | 1.32(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:21 | 32:22 | -1 | 1.023 | 11566 | 2280 | 34 | 85 | 67 | | |
| 361.8385 | 32:22 | 32:22 | 0 | 1.023 | 9472 | 1967 | 21 | 52 | 94 | 1.22(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:39 | 32:41 | -2 | 1.033 | 12656 | 2772 | 34 | 85 | 82 | | |
| 361.8385 | 32:39 | 32:41 | -2 | 1.033 | 10716 | 2273 | 21 | 52 | 108 | 1.18(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:11 | 34:13 | -2 | 1.081 | 10093 | 1888 | 34 | 85 | 56 | | |
| 361.8385 | 34:11 | 34:13 | -2 | 1.081 | 7329 | 1572 | 21 | 52 | 75 | 1.38(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | M |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 18670 | 2428 | 34 | 85 | 71 | | |
| 361.8385 | 34:48 | 34:47 | 1 | 1.101 | 15894 | 1997 | 21 | 52 | 95 | 1.17(1.05-1.43) | M |
| PCB-151 (C135) | | | | | | | | | | | M |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 18670 | 2428 | 34 | 85 | 71 | | |
| 361.8385 | 34:48 | 34:47 | 1 | 1.101 | 15894 | 1997 | 21 | 52 | 95 | 1.17(1.05-1.43) | M |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:02 | 35:03 | -1 | 1.108 | 11132 | 2453 | 34 | 85 | 72 | | |
| 361.8385 | 35:01 | 35:03 | -2 | 1.107 | 8253 | 1577 | 21 | 52 | 75 | 1.35(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:20 | 35:21 | -1 | 1.117 | 10032 | 1937 | 34 | 85 | 57 | | |
| 361.8385 | 35:19 | 35:21 | -2 | 1.117 | 8241 | 1466 | 21 | 52 | 70 | 1.22(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:43 | -1 | 1.129 | 28147 | 5802 | 31 | 77 | 187 | | |
| 361.8385 | 35:41 | 35:43 | -2 | 1.129 | 21840 | 4513 | 24 | 60 | 188 | 1.29(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:43 | -1 | 1.129 | 28147 | 5802 | 31 | 77 | 187 | | |
| 361.8385 | 35:41 | 35:43 | -2 | 1.129 | 21840 | 4513 | 24 | 60 | 188 | 1.29(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:59 | 36:00 | -1 | 1.138 | 26643 | 3251 | 31 | 77 | 105 | | |
| 361.8385 | 36:00 | 36:00 | -1 | 1.138 | 21076 | 2357 | 24 | 60 | 98 | 1.26(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:59 | 36:00 | -1 | 1.138 | 26643 | 3251 | 31 | 77 | 105 | | |
| 361.8385 | 36:00 | 36:00 | -1 | 1.138 | 21076 | 2357 | 24 | 60 | 98 | 1.26(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:19 | -1 | 1.148 | 29806 | 5376 | 31 | 77 | 173 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.148 | 22874 | 4219 | 24 | 60 | 176 | 1.30(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:19 | -1 | 1.148 | 29806 | 5376 | 31 | 77 | 173 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.148 | 22874 | 4219 | 24 | 60 | 176 | 1.30(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:30 | 36:31 | -1 | 1.154 | 11345 | 2323 | 31 | 77 | 75 | | |
| 361.8385 | 36:30 | 36:31 | -1 | 1.154 | 9819 | 1969 | 24 | 60 | 82 | 1.16(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:38 | 36:40 | -1 | 1.159 | 12212 | 2351 | 31 | 77 | 76 | | |
| 361.8385 | 36:39 | 36:40 | -1 | 1.159 | 9622 | 1914 | 24 | 60 | 80 | 1.27(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:57 | 36:58 | -1 | 1.169 | 14254 | 2805 | 31 | 77 | 90 | | |
| 361.8385 | 36:56 | 36:58 | -2 | 1.168 | 10743 | 2258 | 24 | 60 | 94 | 1.33(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:28 | 37:29 | -1 | 1.185 | 13677 | 2542 | 31 | 77 | 82 | | |
| 361.8385 | 37:27 | 37:29 | -2 | 1.184 | 10629 | 2008 | 24 | 60 | 84 | 1.29(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:51 | 37:53 | -1 | 0.881 | 16738 | 3027 | 31 | 77 | 98 | | |
| 361.8385 | 37:51 | 37:53 | -1 | 0.881 | 13116 | 2669 | 24 | 60 | 111 | 1.28(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:06 | 38:08 | -2 | 0.887 | 15534 | 3457 | 31 | 77 | 112 | | |
| 361.8385 | 38:06 | 38:08 | -2 | 0.887 | 12527 | 2460 | 24 | 60 | 103 | 1.24(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:15 | 38:16 | -1 | 0.890 | 18923 | 3449 | 31 | 77 | 111 | | |
| 361.8385 | 38:15 | 38:16 | -1 | 0.890 | 15606 | 3059 | 24 | 60 | 127 | 1.21(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:47 | -2 | 0.902 | 35083 | 4972 | 31 | 77 | 160 | | |
| 361.8385 | 38:45 | 38:47 | -2 | 0.902 | 27427 | 4247 | 24 | 60 | 177 | 1.28(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:47 | -2 | 0.902 | 35083 | 4972 | 31 | 77 | 160 | | |
| 361.8385 | 38:45 | 38:47 | -2 | 0.902 | 27427 | 4247 | 24 | 60 | 177 | 1.28(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:55 | 38:56 | -1 | 0.906 | 14045 | 2496 | 31 | 77 | 81 | | |
| 361.8385 | 38:55 | 38:56 | -1 | 0.906 | 12777 | 2365 | 24 | 60 | 99 | 1.10(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:18 | 39:20 | -2 | 0.915 | 13345 | 2713 | 31 | 77 | 88 | | |
| 361.8385 | 39:19 | 39:20 | -1 | 0.915 | 9657 | 1862 | 24 | 60 | 78 | 1.38(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:35 | -2 | 0.921 | 15752 | 3086 | 31 | 77 | 100 | | |
| 361.8385 | 39:32 | 39:35 | -2 | 0.921 | 11938 | 2640 | 24 | 60 | 110 | 1.32(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | M |
| 359.8415 | 39:39 | 39:41 | -1 | 0.923 | 19493 | 3883 | 31 | 77 | 125 | | M |
| 361.8385 | 39:39 | 39:41 | -1 | 0.923 | 13695 | 2564 | 24 | 60 | 107 | 1.42(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:58 | 40:00 | -2 | 0.931 | 62568 | 7069 | 31 | 77 | 228 | | M |
| 361.8385 | 39:58 | 40:00 | -2 | 0.931 | 49683 | 5511 | 24 | 60 | 230 | 1.26(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:58 | 40:00 | -2 | 0.931 | 62568 | 7069 | 31 | 77 | 228 | | M |
| 361.8385 | 39:58 | 40:00 | -2 | 0.931 | 49683 | 5511 | 24 | 60 | 230 | 1.26(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:58 | 40:00 | -2 | 0.931 | 62568 | 7069 | 31 | 77 | 228 | | M |
| 361.8385 | 39:58 | 40:00 | -2 | 0.931 | 49683 | 5511 | 24 | 60 | 230 | 1.26(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:58 | 40:00 | -2 | 0.931 | 62568 | 7069 | 31 | 77 | 228 | | M |
| 361.8385 | 39:58 | 40:00 | -2 | 0.931 | 49683 | 5511 | 24 | 60 | 230 | 1.26(1.05-1.43) | M |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:21 | 40:23 | -2 | 0.939 | 19100 | 3286 | 31 | 77 | 106 | | |
| 361.8385 | 40:21 | 40:23 | -2 | 0.939 | 16701 | 2856 | 24 | 60 | 119 | 1.14(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-128 | | | | | | | | | | | M |
| 359.8415 | 41:12 | 41:14 | -2 | 0.959 | 31669 | 5427 | 31 | 77 | 175 | | M |
| 361.8385 | 41:12 | 41:14 | -2 | 0.959 | 24728 | 4258 | 24 | 60 | 177 | 1.28(1.05-1.43) | M |
| PCB-166 (C128) | | | | | | | | | | | M |
| 359.8415 | 41:12 | 41:14 | -2 | 0.959 | 31669 | 5427 | 31 | 77 | 175 | | M |
| 361.8385 | 41:12 | 41:14 | -2 | 0.959 | 24728 | 4258 | 24 | 60 | 177 | 1.28(1.05-1.43) | M |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:12 | 42:14 | -2 | 0.983 | 18998 | 3586 | 31 | 77 | 116 | | |
| 361.8385 | 42:12 | 42:14 | -2 | 0.983 | 15061 | 2933 | 24 | 60 | 122 | 1.26(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:30 | 42:32 | -1 | 0.990 | 19251 | 3454 | 31 | 77 | 111 | | |
| 361.8385 | 42:30 | 42:32 | -2 | 0.989 | 15574 | 2684 | 24 | 60 | 112 | 1.24(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | M |
| 359.8415 | 42:58 | 43:00 | -2 | 1.000 | 19064 | 3794 | 31 | 77 | 122 | | M |
| 361.8385 | 42:58 | 43:00 | -2 | 1.000 | 16297 | 3168 | 24 | 60 | 132 | 1.17(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:07 | 44:09 | -2 | 1.001 | 39844 | 5730 | 31 | 77 | 185 | | |
| 361.8385 | 44:06 | 44:09 | -3 | 1.000 | 30470 | 4516 | 24 | 60 | 188 | 1.31(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:07 | 44:09 | -2 | 1.001 | 39844 | 5730 | 31 | 77 | 185 | | |
| 361.8385 | 44:06 | 44:09 | -3 | 1.000 | 30470 | 4516 | 24 | 60 | 188 | 1.31(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:21 | 47:23 | -3 | 1.000 | 16296 | 3103 | 31 | 77 | 100 | | |
| 361.8385 | 47:21 | 47:23 | -2 | 1.001 | 13766 | 2669 | 24 | 60 | 111 | 1.18(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:21 | 37:23 | -2 | 0.821 | 2270574 | 451746 | 85 | 212 | 5315 | | |
| 407.8398 | 37:21 | 37:23 | -2 | 0.821 | 2108337 | 429263 | 57 | 142 | 7531 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:30 | 45:32 | -2 | | 1724061 | 335584 | 85 | 212 | 3948 | | |
| 407.8398 | 45:30 | 45:32 | -2 | | 1631991 | 312132 | 57 | 142 | 5476 | 1.06(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:45 | 46:47 | -1 | 1.028 | 1497616 | 285264 | 85 | 212 | 3356 | | |
| 407.8398 | 46:45 | 46:47 | -1 | 1.028 | 1410785 | 269298 | 57 | 142 | 4725 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:52 | 49:54 | -2 | 1.096 | 2834364 | 546108 | 488 | 1220 | 1119 | | |
| 407.8398 | 49:52 | 49:54 | -2 | 1.096 | 2691432 | 519759 | 417 | 1042 | 1246 | 1.05(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:22 | 37:24 | -2 | 1.001 | 16200 | 3333 | 22 | 55 | 152 | | |
| 395.7995 | 37:23 | 37:24 | -1 | 1.001 | 15270 | 2705 | 18 | 45 | 150 | 1.06(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:43 | 37:44 | -1 | 1.010 | 15098 | 3069 | 22 | 55 | 140 | | |
| 395.7995 | 37:42 | 37:44 | -2 | 1.009 | 15433 | 2944 | 18 | 45 | 164 | 0.98(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:15 | 38:16 | -1 | 1.024 | 15298 | 3086 | 22 | 55 | 140 | | |
| 395.7995 | 38:15 | 38:16 | -1 | 1.024 | 13588 | 3152 | 18 | 45 | 175 | 1.13(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:35 | 38:36 | -1 | 1.033 | 16738 | 3199 | 22 | 55 | 145 | | |
| 395.7995 | 38:35 | 38:36 | -1 | 1.033 | 15124 | 3160 | 18 | 45 | 176 | 1.11(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:02 | 39:04 | -2 | 1.045 | 15651 | 3068 | 22 | 55 | 139 | | |
| 395.7995 | 39:03 | 39:04 | -1 | 1.045 | 14988 | 2947 | 18 | 45 | 164 | 1.04(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:26 | 40:27 | -1 | 1.083 | 9981 | 1917 | 22 | 55 | 87 | | |
| 395.7995 | 40:25 | 40:27 | -2 | 1.082 | 10728 | 2116 | 18 | 45 | 118 | 0.93(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:03 | 41:05 | -2 | 1.099 | 11474 | 2201 | 22 | 55 | 100 | | |
| 395.7995 | 41:03 | 41:05 | -2 | 1.099 | 10283 | 2108 | 18 | 45 | 117 | 1.12(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:20 | 41:22 | -2 | 1.107 | 11251 | 2017 | 22 | 55 | 92 | | |
| 395.7995 | 41:20 | 41:22 | -2 | 1.107 | 11893 | 2402 | 18 | 45 | 133 | 0.95(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:32 | 41:34 | -2 | 1.112 | 12735 | 2366 | 22 | 55 | 108 | | |
| 395.7995 | 41:32 | 41:34 | -2 | 1.112 | 11715 | 2274 | 18 | 45 | 126 | 1.09(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:57 | 41:59 | -2 | 1.123 | 26402 | 3066 | 22 | 55 | 139 | | M |
| 395.7995 | 41:57 | 41:59 | -1 | 1.124 | 23157 | 2673 | 18 | 45 | 149 | 1.14(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:57 | 41:59 | -2 | 1.123 | 26402 | 3066 | 22 | 55 | 139 | | M |
| 395.7995 | 41:57 | 41:59 | -1 | 1.124 | 23157 | 2673 | 18 | 45 | 149 | 1.14(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:11 | 42:12 | -1 | 1.129 | 9920 | 1869 | 22 | 55 | 85 | | |
| 395.7995 | 42:10 | 42:12 | -2 | 1.129 | 9177 | 1964 | 18 | 45 | 109 | 1.08(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | M |
| 393.8025 | 42:37 | 42:39 | -2 | 1.141 | 10478 | 2323 | 22 | 55 | 106 | | M |
| 395.7995 | 42:37 | 42:39 | -2 | 1.141 | 9715 | 2176 | 18 | 45 | 121 | 1.08(0.89-1.21) | M |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:00 | 43:02 | -2 | 1.152 | 11772 | 2297 | 22 | 55 | 104 | | |
| 395.7995 | 43:00 | 43:02 | -2 | 1.152 | 11420 | 1997 | 18 | 45 | 111 | 1.03(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -1 | 1.158 | 20876 | 3415 | 22 | 55 | 155 | | |
| 395.7995 | 43:13 | 43:16 | -2 | 1.157 | 18876 | 3379 | 18 | 45 | 188 | 1.11(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -1 | 1.158 | 20876 | 3415 | 22 | 55 | 155 | | |
| 395.7995 | 43:13 | 43:16 | -2 | 1.157 | 18876 | 3379 | 18 | 45 | 188 | 1.11(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:53 | 44:54 | -1 | 0.900 | 11651 | 2145 | 22 | 55 | 98 | | |
| 395.7995 | 44:51 | 44:54 | -3 | 0.900 | 10285 | 1974 | 18 | 45 | 110 | 1.13(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:09 | 45:11 | -2 | 0.905 | 14138 | 2636 | 22 | 55 | 120 | | |
| 395.7995 | 45:09 | 45:11 | -2 | 0.905 | 13161 | 2777 | 18 | 45 | 154 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:27 | 45:30 | -4 | 0.911 | 25242 | 3170 | 22 | 55 | 144 | | |
| 395.7995 | 45:28 | 45:30 | -2 | 0.912 | 26069 | 3370 | 18 | 45 | 187 | 0.97(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:27 | 45:30 | -4 | 0.911 | 25242 | 3170 | 22 | 55 | 144 | | |
| 395.7995 | 45:28 | 45:30 | -2 | 0.912 | 26069 | 3370 | 18 | 45 | 187 | 0.97(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:53 | 45:55 | -2 | 0.920 | 15290 | 2987 | 22 | 55 | 136 | | |
| 395.7995 | 45:53 | 45:55 | -2 | 0.920 | 14686 | 3168 | 18 | 45 | 176 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:47 | 46:48 | -1 | 0.938 | 10860 | 2161 | 22 | 55 | 98 | | |
| 395.7995 | 46:47 | 46:48 | -1 | 0.938 | 10847 | 2042 | 18 | 45 | 113 | 1.00(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | M |
| 393.8025 | 47:17 | 47:20 | -3 | 0.948 | 15702 | 2982 | 22 | 55 | 136 | | |
| 395.7995 | 47:17 | 47:20 | -3 | 0.948 | 14049 | 2799 | 18 | 45 | 156 | 1.12(0.89-1.21) | M |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:54 | 49:56 | -2 | 1.001 | 20410 | 3990 | 33 | 82 | 121 | | |
| 395.7995 | 49:53 | 49:56 | -3 | 1.000 | 19621 | 3463 | 33 | 82 | 105 | 1.04(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:43 | 42:45 | -2 | 0.822 | 1601057 | 321420 | 48 | 120 | 6696 | | |
| 441.8008 | 42:43 | 42:45 | -2 | 0.822 | 1748305 | 348022 | 29 | 72 | 12001 | 0.92(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:59 | 52:01 | -2 | | 1804721 | 340082 | 148 | 370 | 2298 | | |
| 441.8008 | 51:59 | 52:01 | -2 | | 2016094 | 377246 | 119 | 297 | 3170 | 0.90(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:28 | 52:30 | -2 | 1.009 | 2356257 | 440102 | 148 | 370 | 2974 | | |
| 441.8008 | 52:28 | 52:30 | -2 | 1.009 | 2617161 | 492885 | 119 | 297 | 4142 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:45 | 42:47 | -1 | 1.001 | 9981 | 2068 | 22 | 55 | 94 | | |
| 429.7606 | 42:44 | 42:47 | -2 | 1.001 | 10794 | 2059 | 15 | 37 | 137 | 0.92(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:40 | 43:42 | -2 | 1.022 | 10642 | 2263 | 22 | 55 | 103 | | |
| 429.7606 | 43:39 | 43:42 | -3 | 1.022 | 12228 | 2425 | 15 | 37 | 162 | 0.87(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:20 | 44:23 | -3 | 1.038 | 9708 | 1748 | 22 | 55 | 79 | | |
| 429.7606 | 44:21 | 44:23 | -2 | 1.038 | 12190 | 2263 | 15 | 37 | 151 | 0.80(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | Ma |
| 427.7635 | 44:34 | 44:36 | -2 | 1.043 | 11219 | 2313 | 22 | 55 | 105 | | M |
| 429.7606 | 44:34 | 44:36 | -2 | 1.043 | 11468 | 2259 | 15 | 37 | 151 | 0.98(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | Ma |
| 427.7635 | 44:40 | 44:42 | -1 | 1.046 | 10991 | 1988 | 22 | 55 | 90 | | M |
| 429.7606 | 44:41 | 44:42 | -1 | 1.046 | 12202 | 2192 | 15 | 37 | 146 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:28 | 47:30 | -2 | 1.111 | 15743 | 2278 | 22 | 55 | 104 | | |
| 429.7606 | 47:27 | 47:30 | -3 | 1.111 | 17401 | 2318 | 15 | 37 | 155 | 0.90(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:28 | 47:30 | -2 | 1.111 | 15743 | 2278 | 22 | 55 | 104 | | |
| 429.7606 | 47:27 | 47:30 | -3 | 1.111 | 17401 | 2318 | 15 | 37 | 155 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | RQ |
| 427.7635 | 48:08 | 48:10 | -2 | 0.918 | 9594 | 1838 | 22 | 55 | 84 | | |
| | Empc Correction | | | | 7971 | 1626 | 22 | 55 | 74 | | |
| 429.7606 | 48:08 | 48:10 | -2 | 0.918 | 8957 | 1827 | 15 | 37 | 122 | 1.07(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:19 | 48:22 | -3 | 0.921 | 9369 | 1770 | 22 | 55 | 80 | | |
| 429.7606 | 48:19 | 48:22 | -3 | 0.921 | 9568 | 1739 | 15 | 37 | 116 | 0.98(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | M |
| 427.7635 | 49:40 | 49:42 | -2 | 0.947 | 10120 | 1892 | 32 | 80 | 59 | | M |
| 429.7606 | 49:40 | 49:42 | -2 | 0.947 | 10978 | 2420 | 33 | 82 | 73 | 0.92(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:00 | 52:03 | -3 | 0.991 | 12561 | 2226 | 32 | 80 | 70 | | |
| 429.7606 | 52:00 | 52:03 | -3 | 0.991 | 14622 | 2832 | 33 | 82 | 86 | 0.86(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:29 | 52:31 | -3 | 1.000 | 17492 | 3247 | 32 | 80 | 101 | | |
| 429.7606 | 52:29 | 52:31 | -3 | 1.000 | 17907 | 3559 | 33 | 82 | 108 | 0.98(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:25 | 49:26 | -2 | 0.951 | 1940306 | 374344 | 525 | 1312 | 713 | | |
| 475.7619 | 49:25 | 49:26 | -2 | 0.951 | 2438785 | 484007 | 471 | 1177 | 1028 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:13 | 54:15 | -2 | 1.043 | 1559736 | 295525 | 525 | 1312 | 563 | | |
| 475.7619 | 54:13 | 54:15 | -2 | 1.043 | 1954626 | 363460 | 471 | 1177 | 772 | 0.80(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | M |
| 461.7246 | 49:26 | 49:28 | -2 | 1.001 | 13185 | 3010 | 56 | 140 | 54 | | M |
| 463.7216 | 49:27 | 49:28 | -1 | 1.001 | 16166 | 3087 | 124 | 310 | 25 | 0.82(0.65-0.89) | M |
| PCB-207 | | | | | | | | | | | M |
| 461.7246 | 50:22 | 50:24 | -2 | 1.019 | 13891 | 2546 | 56 | 140 | 45 | | M |
| 463.7216 | 50:23 | 50:24 | 0 | 1.020 | 18710 | 3250 | 124 | 310 | 26 | 0.74(0.65-0.89) | M |
| PCB-206 | | | | | | | | | | | M |
| 461.7246 | 54:15 | 54:17 | -2 | 1.000 | 10044 | 2254 | 56 | 140 | 40 | | M |
| 463.7216 | 54:14 | 54:17 | -3 | 1.000 | 14340 | 2873 | 124 | 310 | 23 | 0.70(0.65-0.89) | M |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:52 | 55:55 | -3 | 1.075 | 1606957 | 288365 | 47 | 117 | 6135 | | |
| 509.7229 | 55:52 | 55:55 | -3 | 1.075 | 2282813 | 398346 | 66 | 165 | 6036 | 0.70(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:54 | 55:56 | -2 | 1.001 | 11424 | 2135 | 16 | 40 | 133 | | |
| 497.6826 | 55:54 | 55:56 | -2 | 1.001 | 16748 | 2940 | 14 | 35 | 210 | 0.68(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags
M - Manually Integrated
a - User Assigned ID

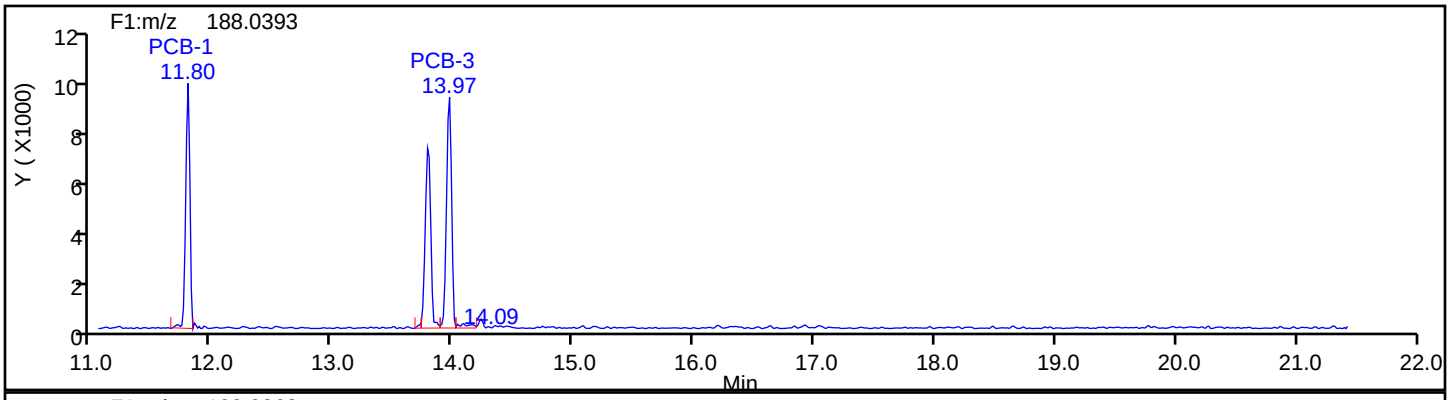
## Reagents:

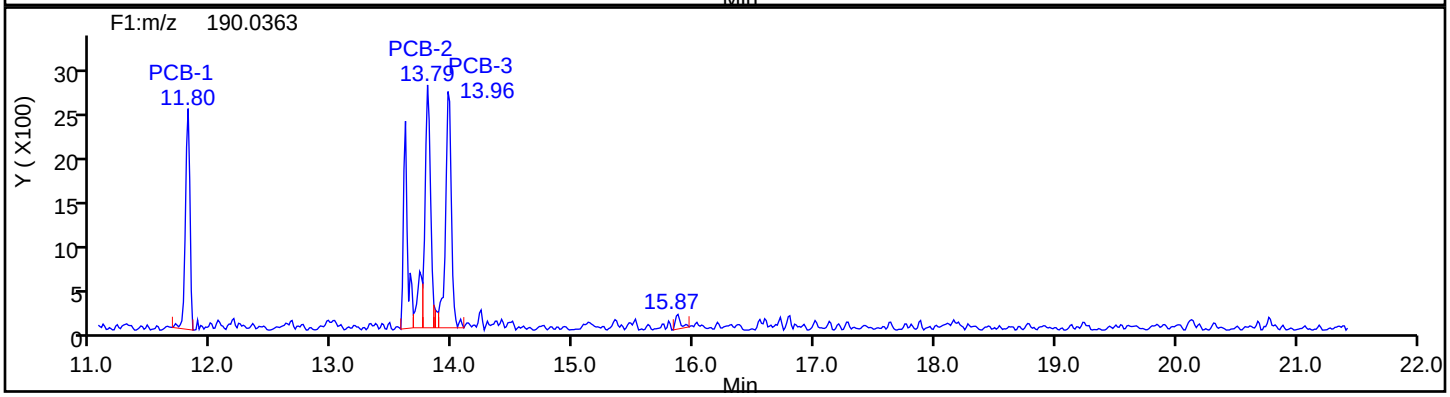
61L0.51668P_00004 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville

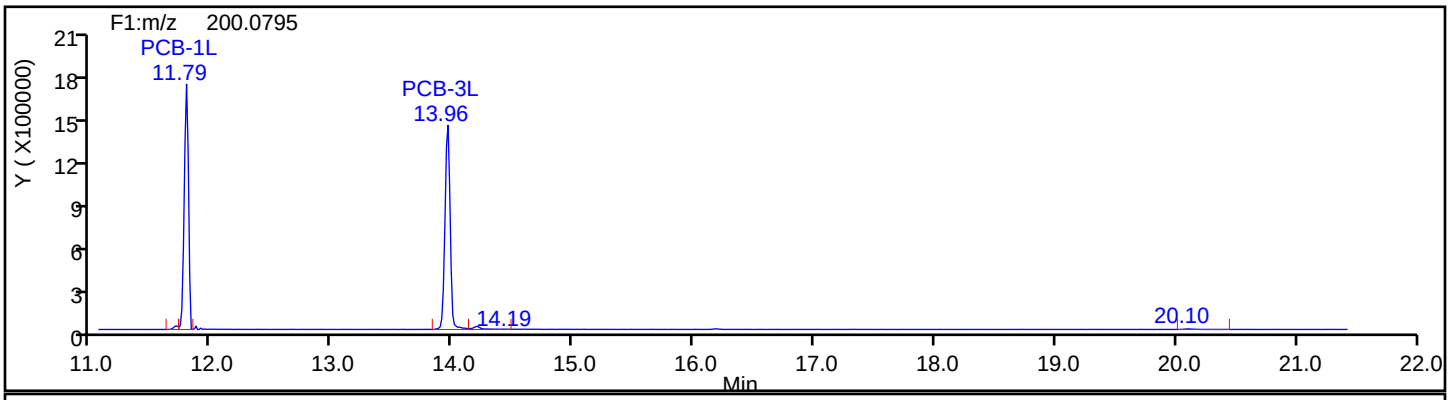
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

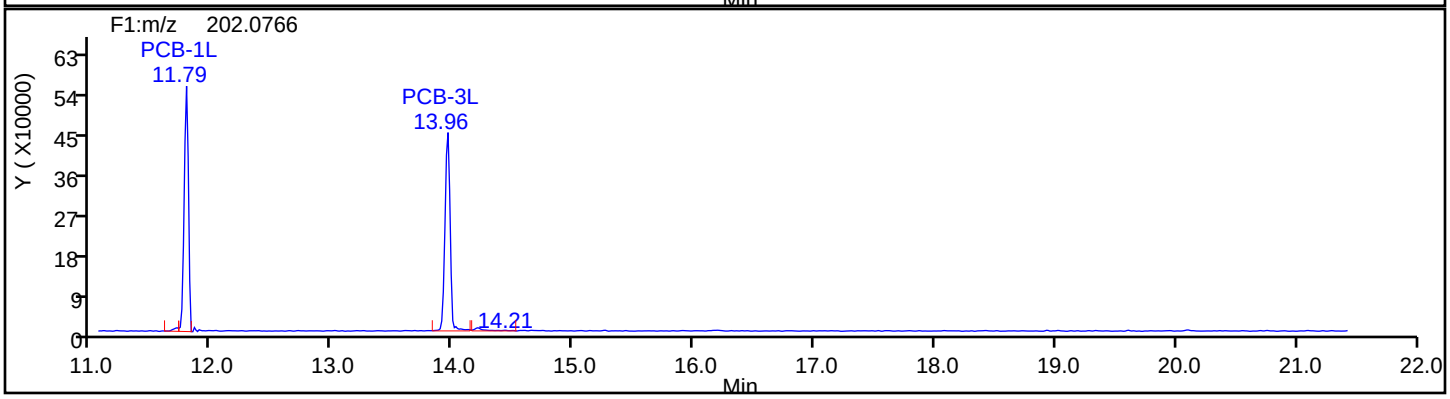
MoPCB F1




MoPCB F1 Standards



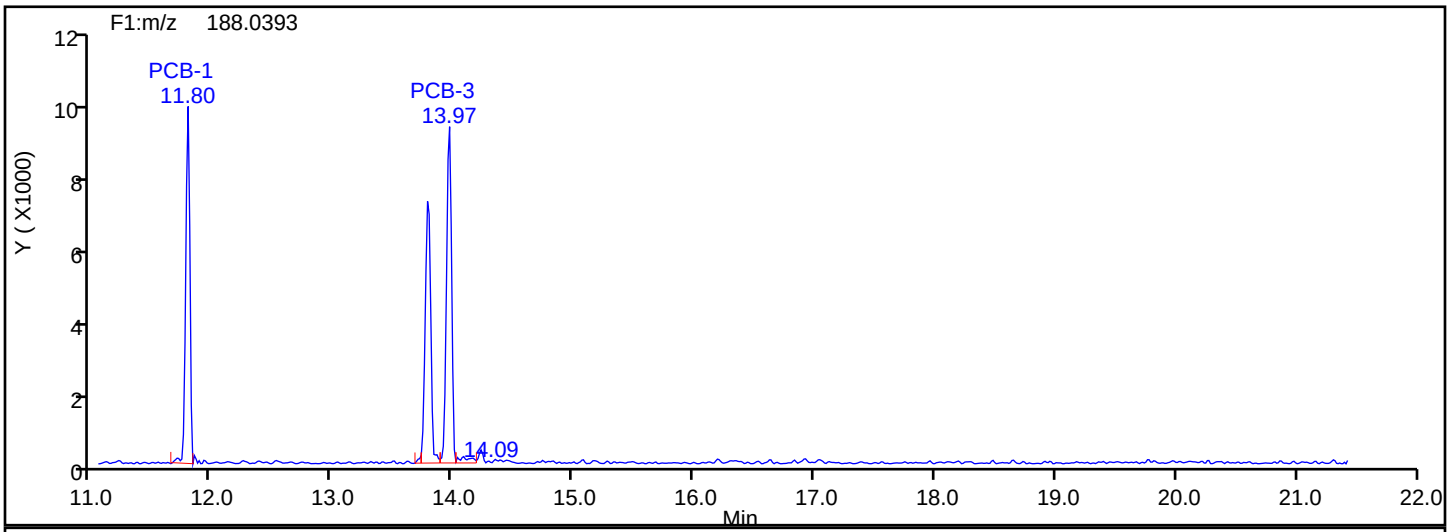
Report Date: 30-Aug-2019 11:36:14 Chrom Revision: 2.3 22-Aug-2019 12:55:36

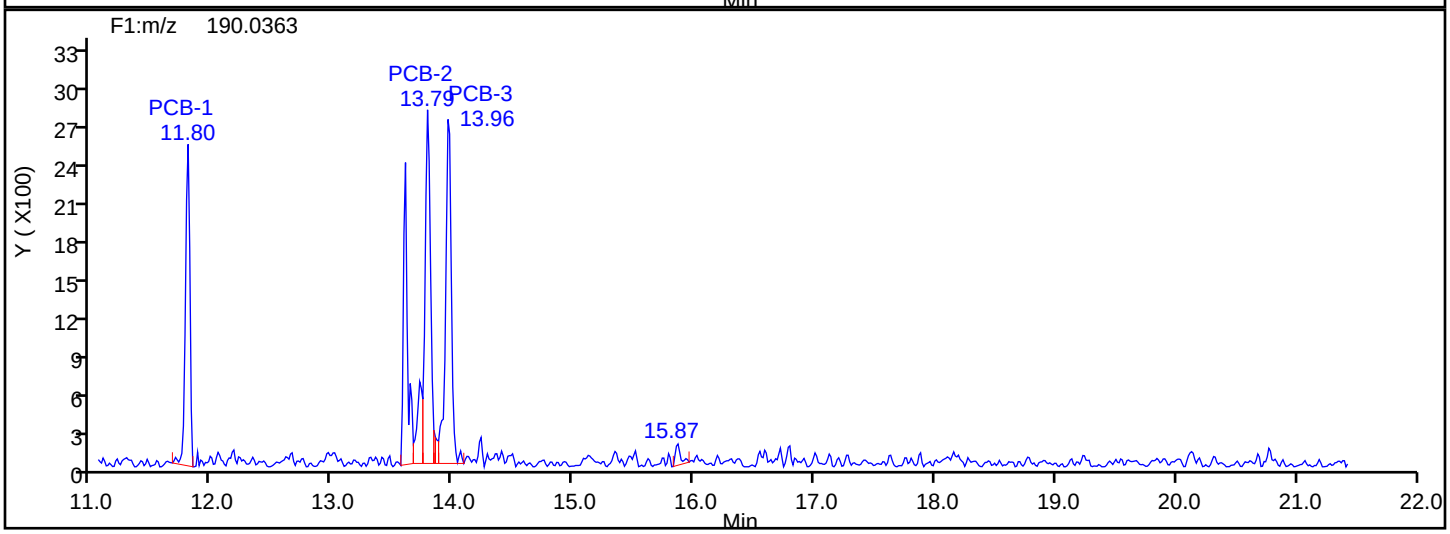
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d

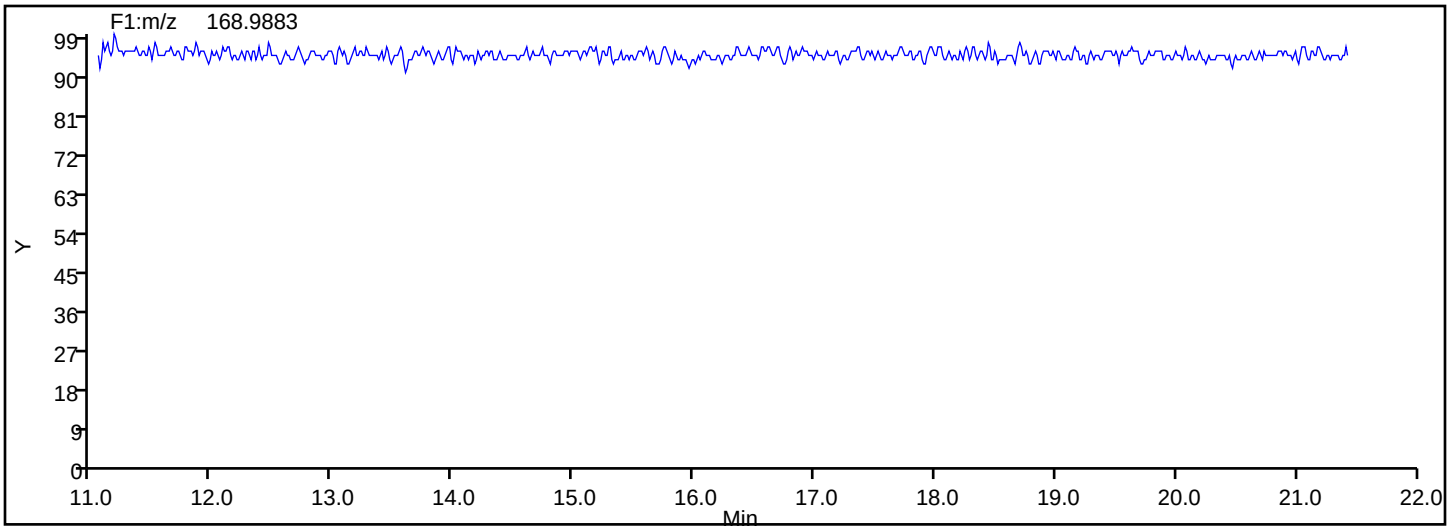
| | | | |
|---|---|---|---|
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

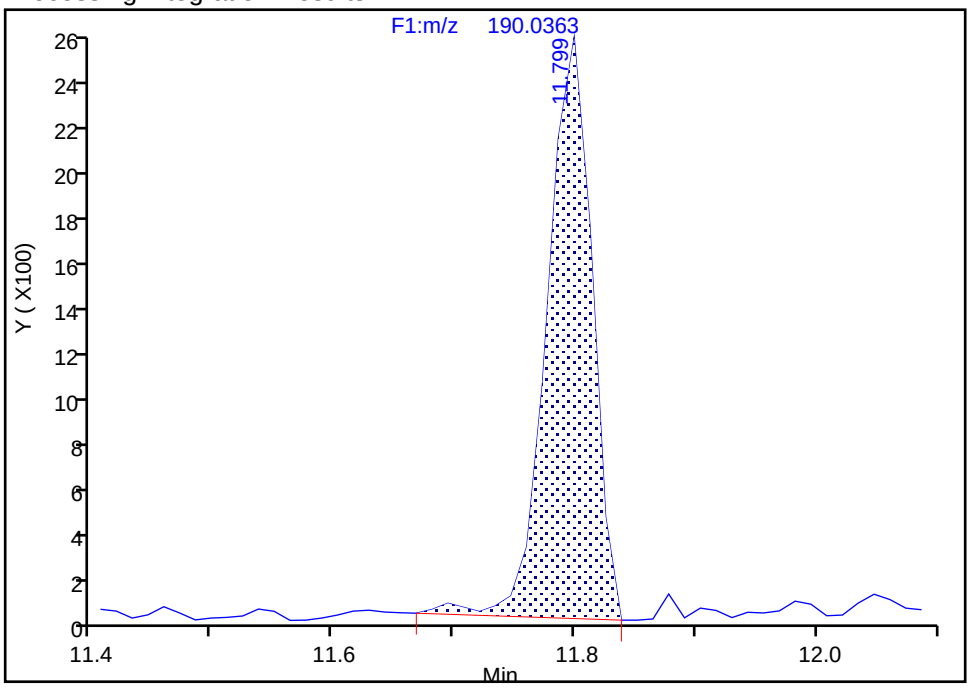
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 2

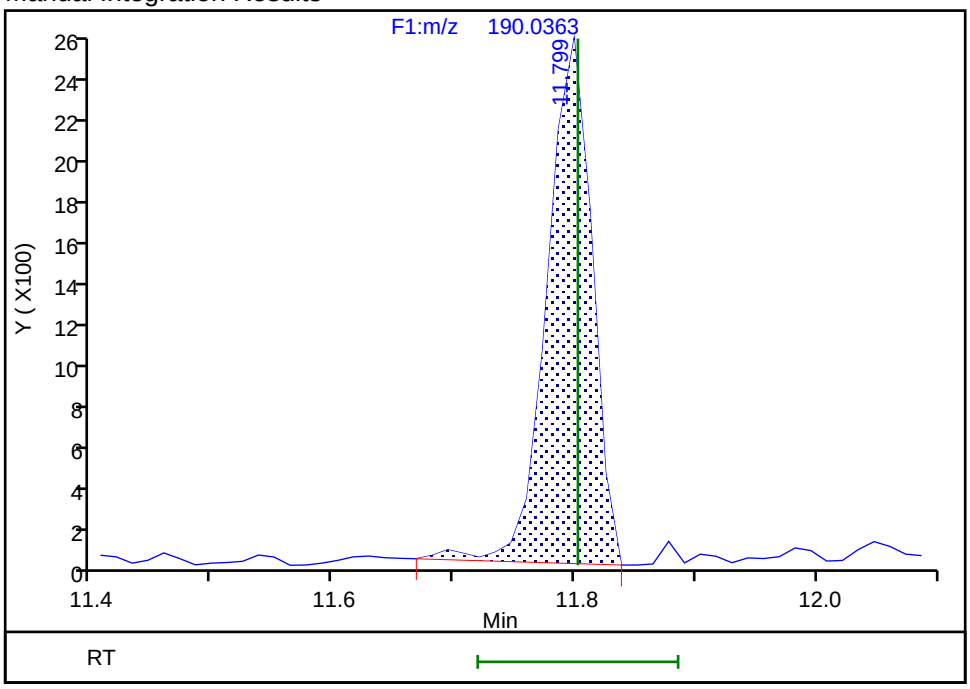
Processing Integration Results

RT: 11.80
Area: 6500
Amount: 0.439126
Amount Units: pg/ul




Manual Integration Results

RT: 11.80
Area: 6500
Amount: 0.449279
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:44:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

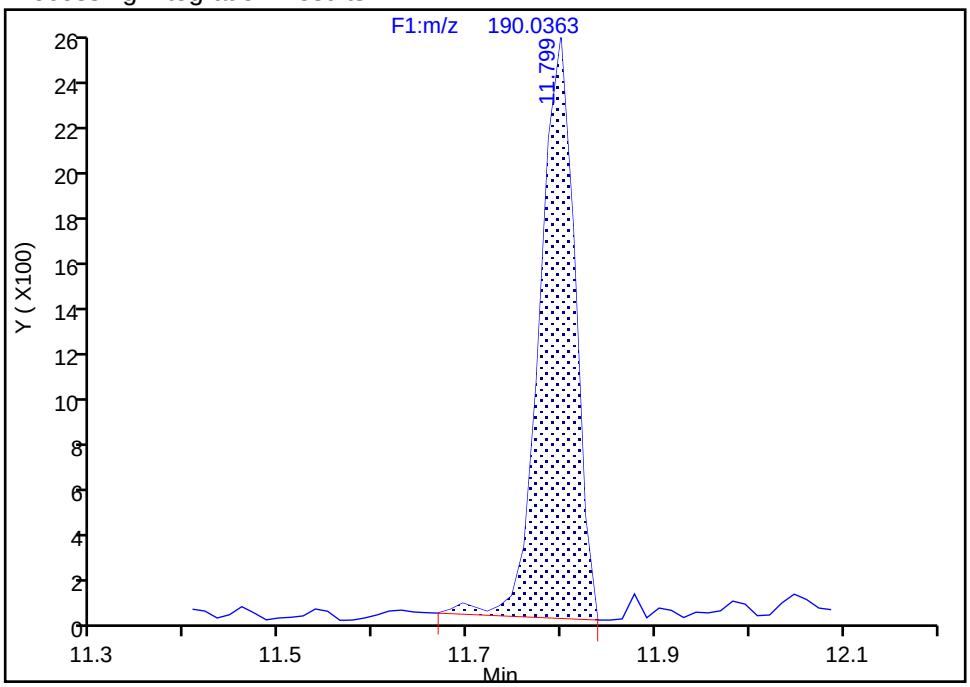
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-1, CAS: 2051-60-7

Signal: 3

Processing Integration Results

RT: 11.80
Area: 29635
Amount: 0.439126
Amount Units: pg/ul




Manual Integration Results

RT: 11.80
Area: 29635
Amount: 0.449279
Amount Units: pg/ul
Reviewer: davidsonm, 21-Aug-2019 14:44:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

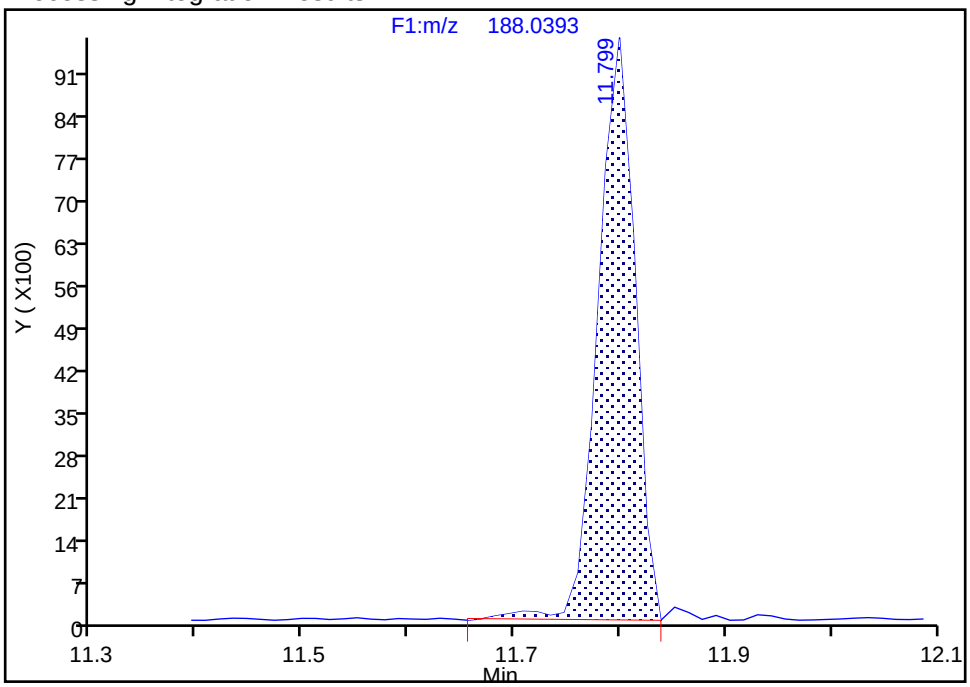
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

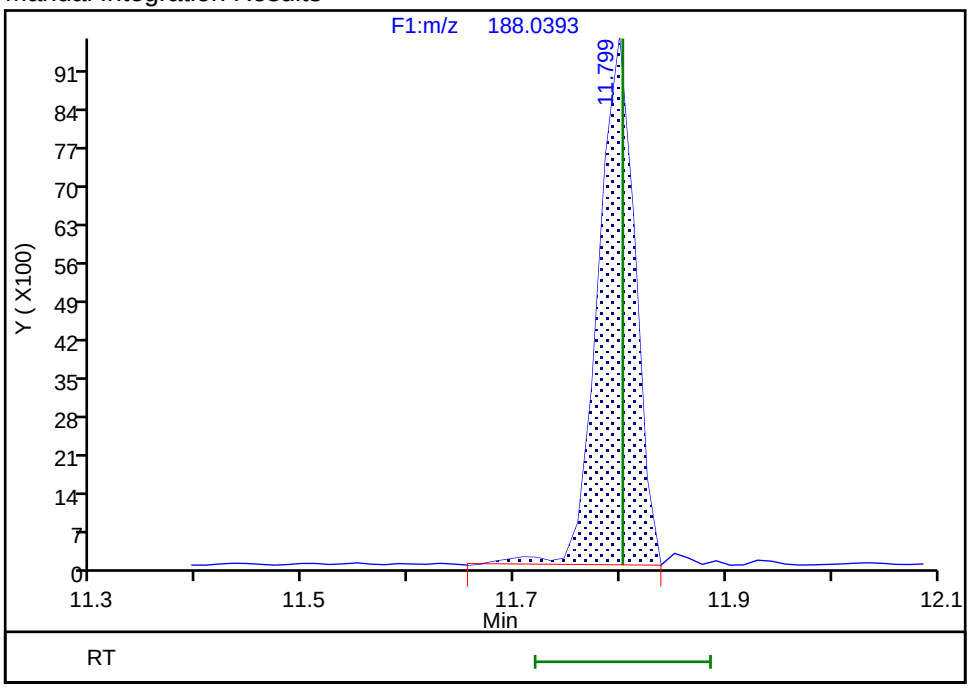
Processing Integration Results

RT: 11.80
Area: 23135
Amount: 0.439126
Amount Units: pg/ul




Manual Integration Results

RT: 11.80
Area: 23135
Amount: 0.449279
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:44:13

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

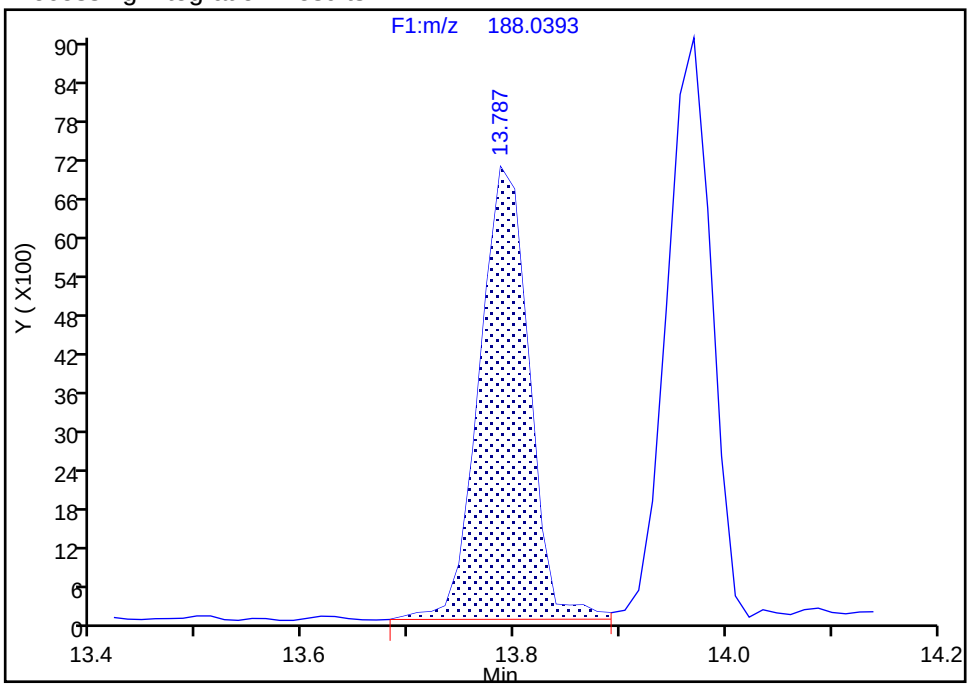
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-2, CAS: 2051-61-8

Signal: 1

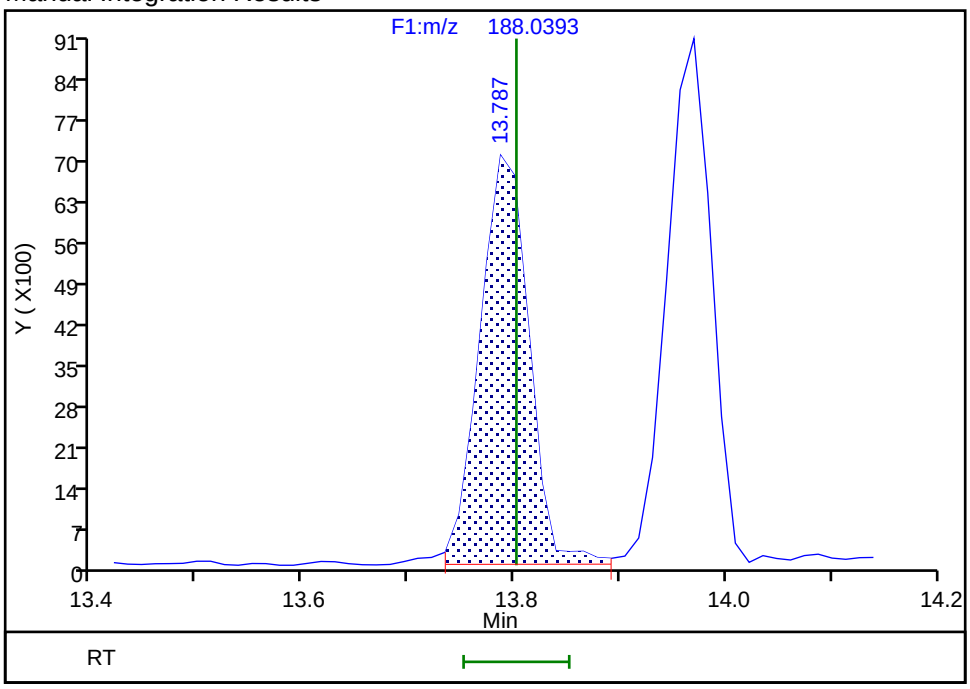
Processing Integration Results

RT: 13.79
Area: 22961
Amount: 0.487582
Amount Units: pg/ul




Manual Integration Results

RT: 13.79
Area: 22667
Amount: 0.466725
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:55:09
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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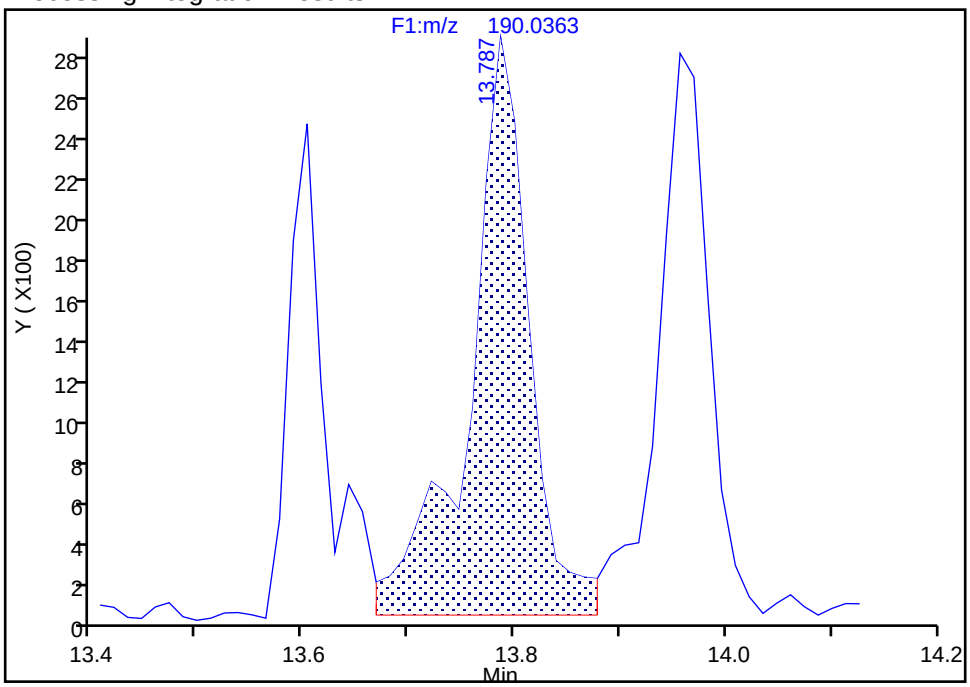
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 2

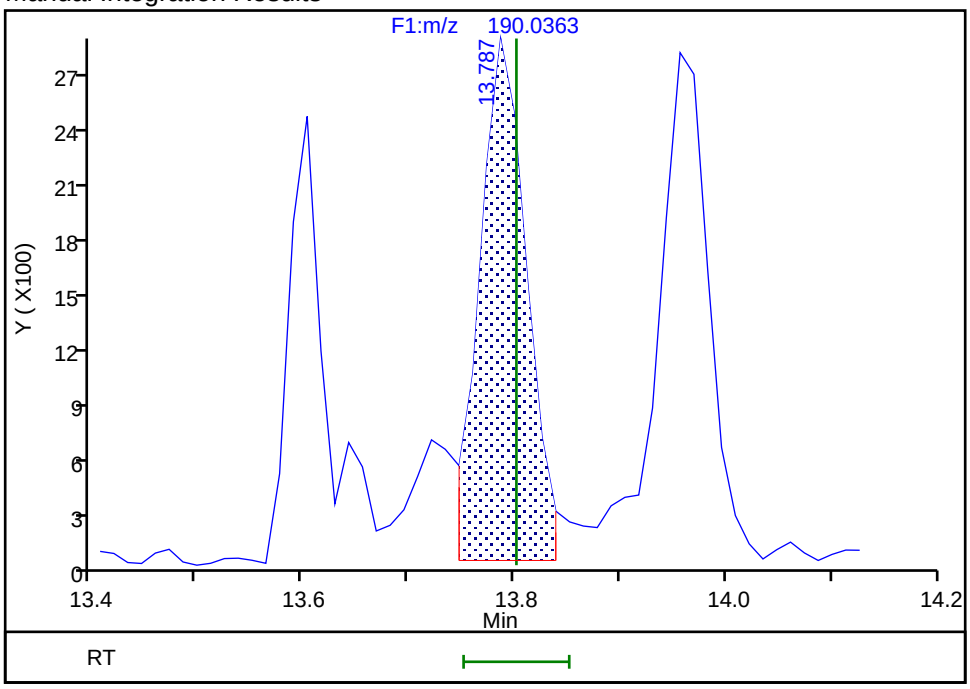
Processing Integration Results

RT: 13.79
Area: 10782
Amount: 0.487582
Amount Units: pg/ul




Manual Integration Results

RT: 13.79
Area: 8385
Amount: 0.466725
Amount Units: pg/ul

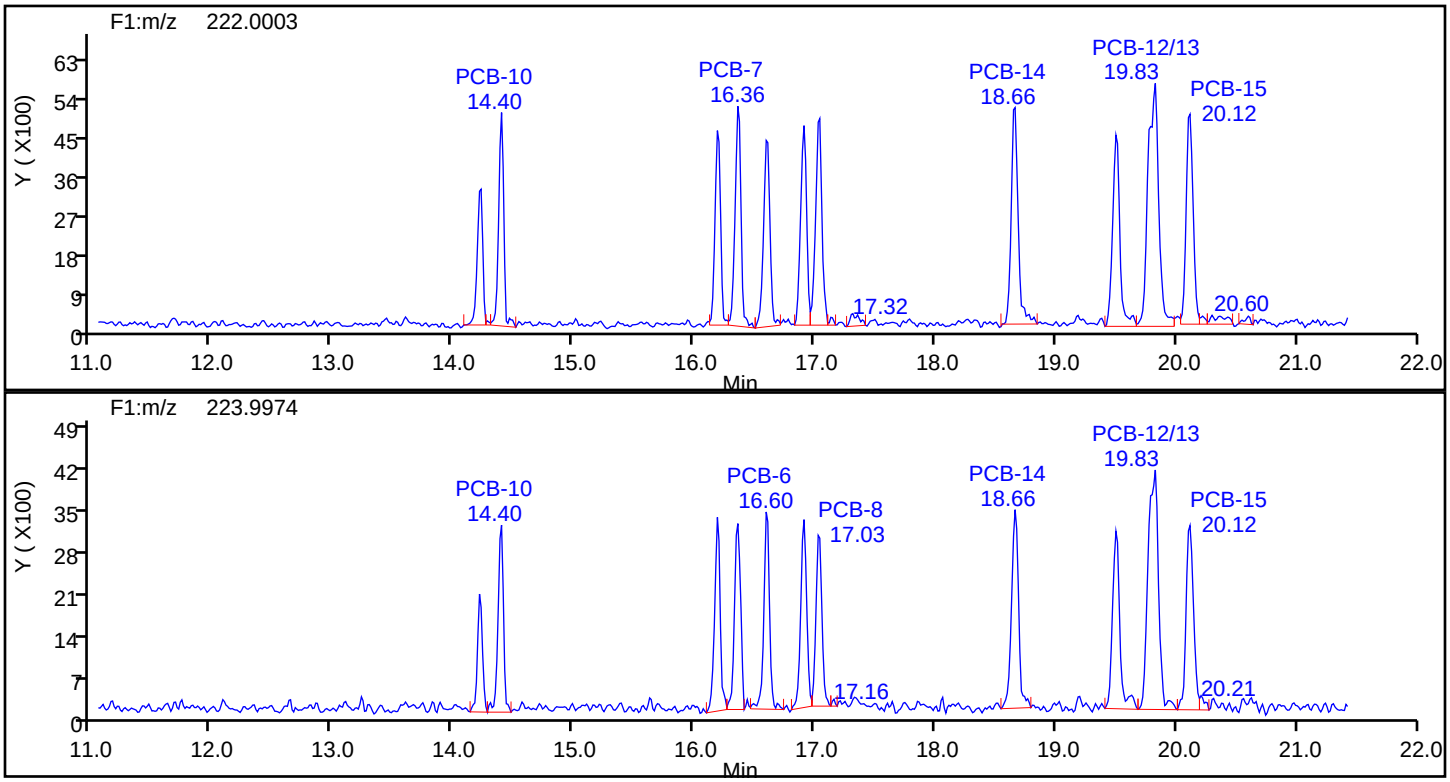



Reviewer: davidsonm, 21-Aug-2019 14:55:27
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

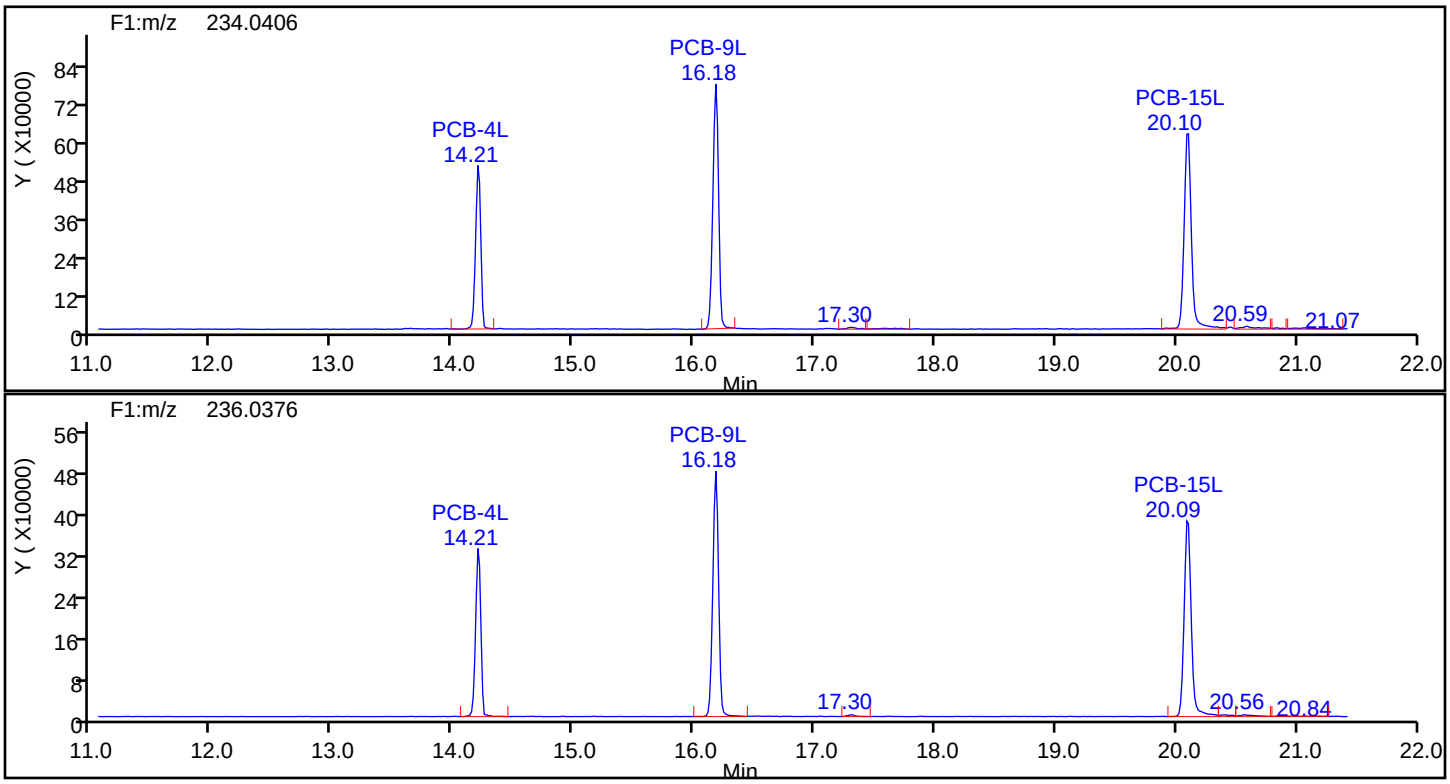
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



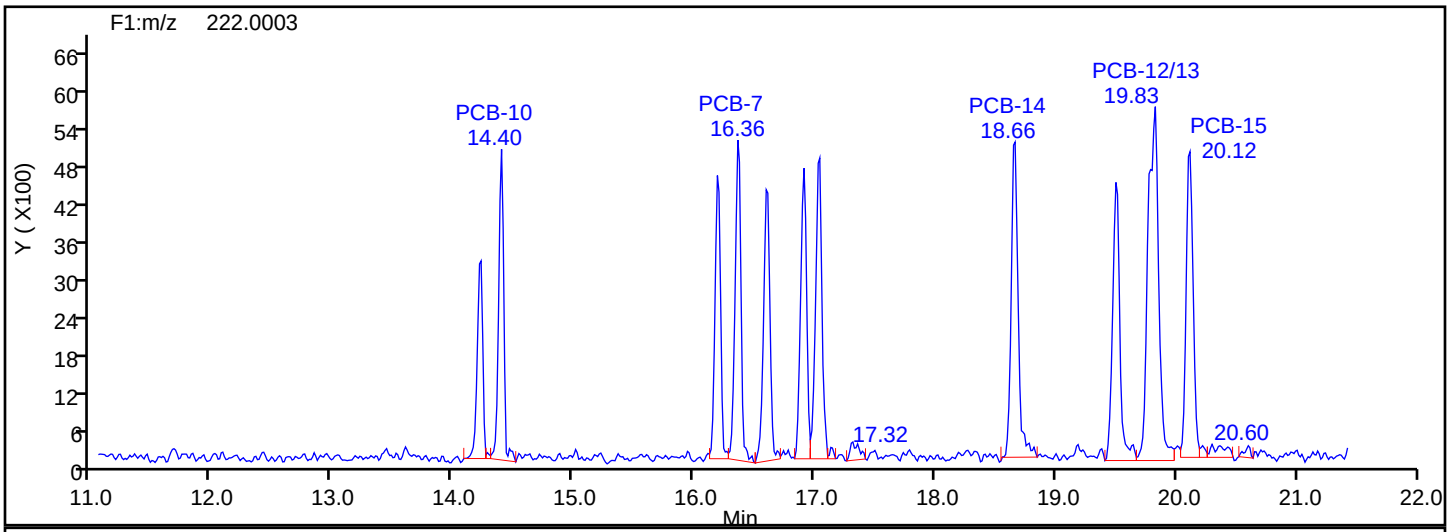

DiPCB F1 Standards

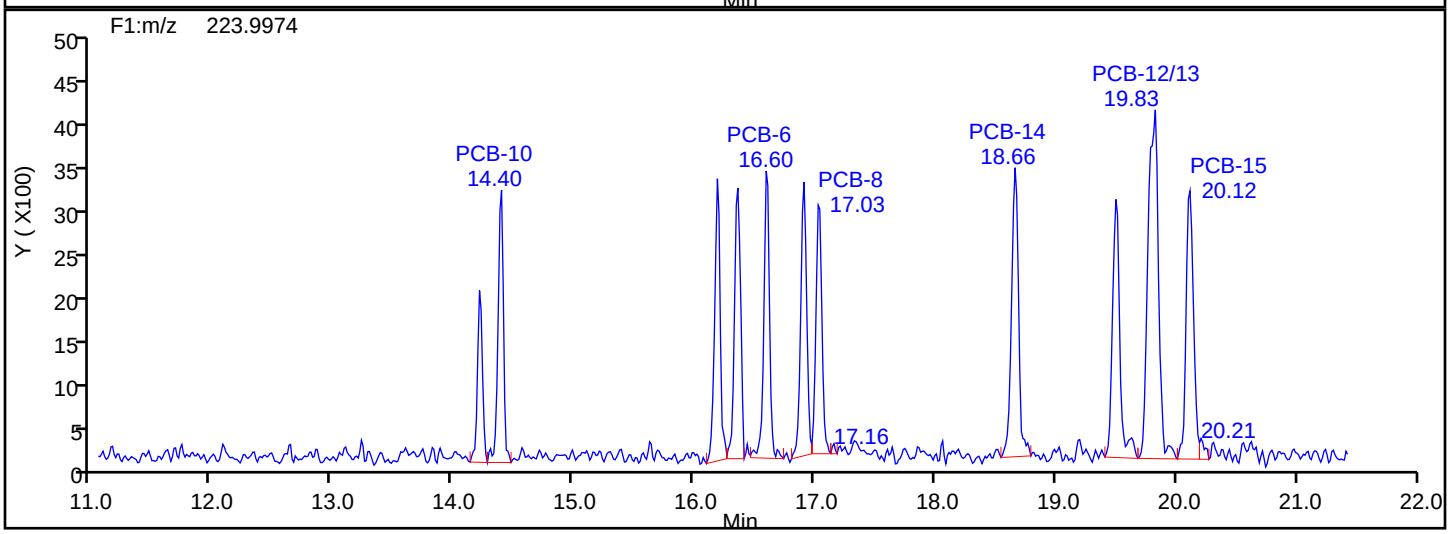


Eurofins TestAmerica, Knoxville

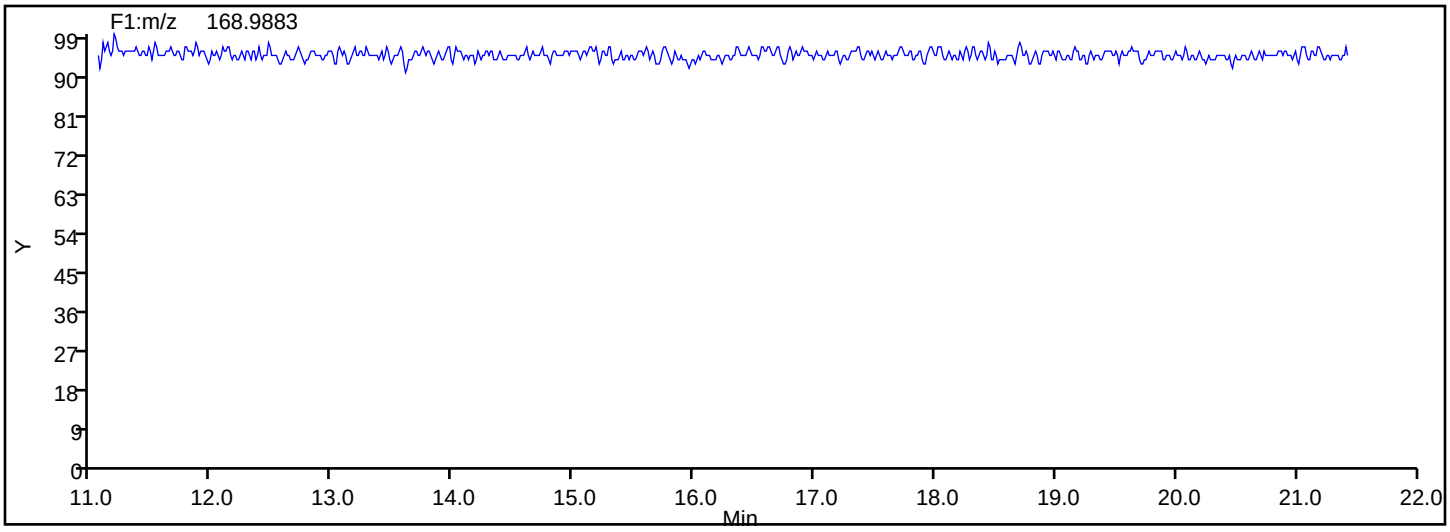
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

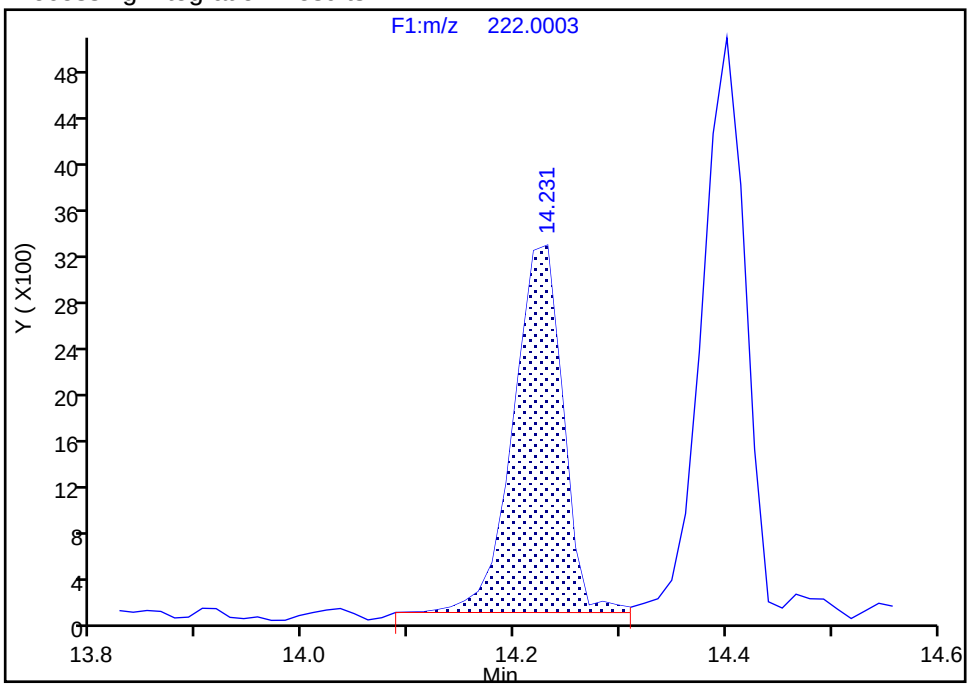
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4, CAS: 13029-08-8

Signal: 1

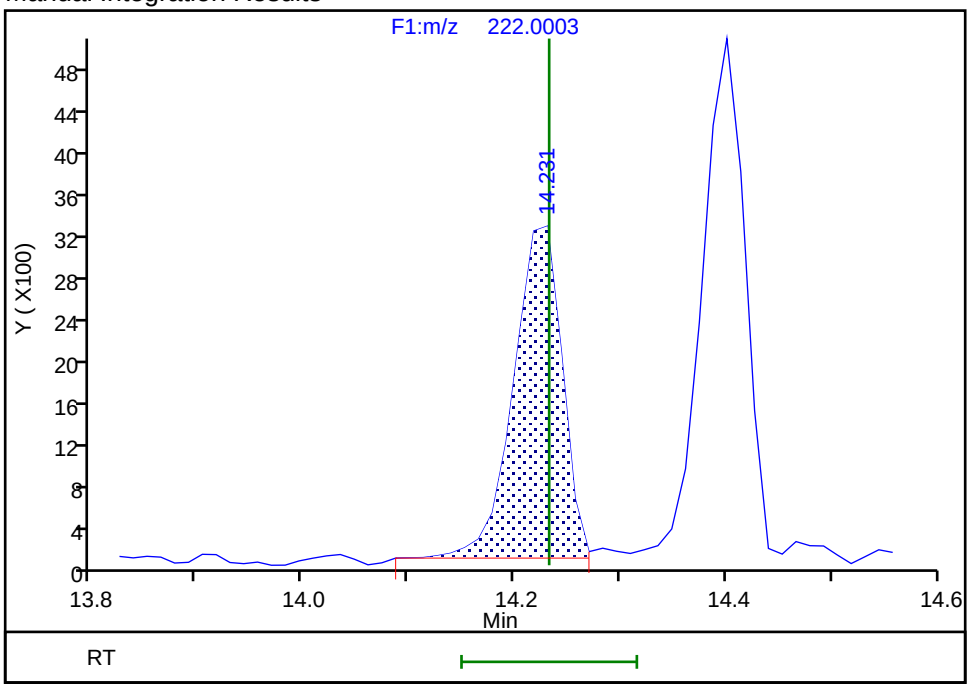
Processing Integration Results

RT: 14.23
Area: 10267
Amount: 0.496310
Amount Units: pg/ul




Manual Integration Results

RT: 14.23
Area: 10094
Amount: 0.492323
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:44:38

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

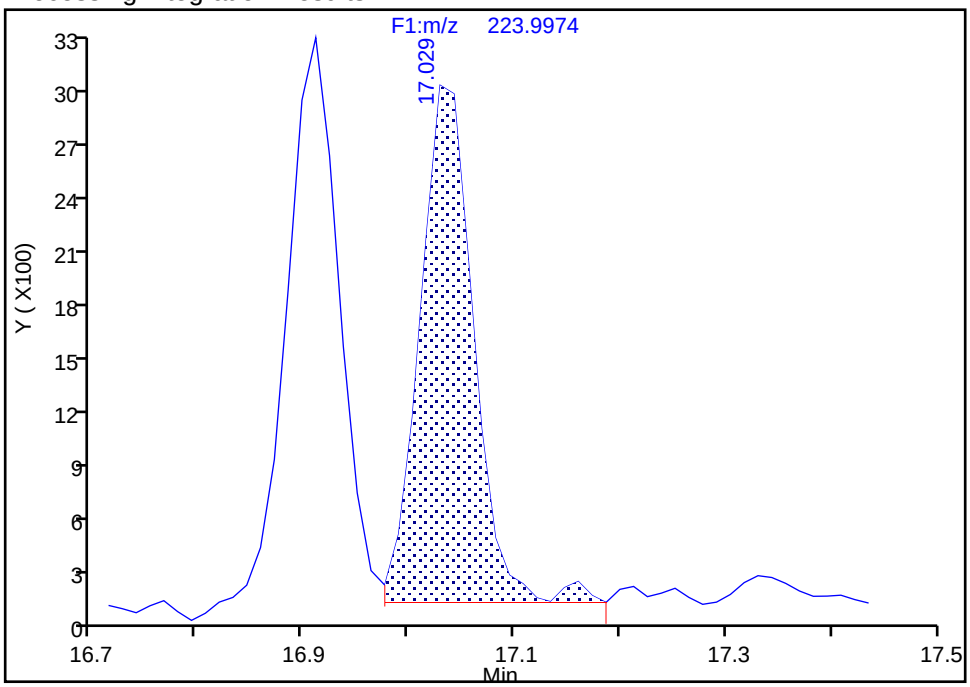
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 2

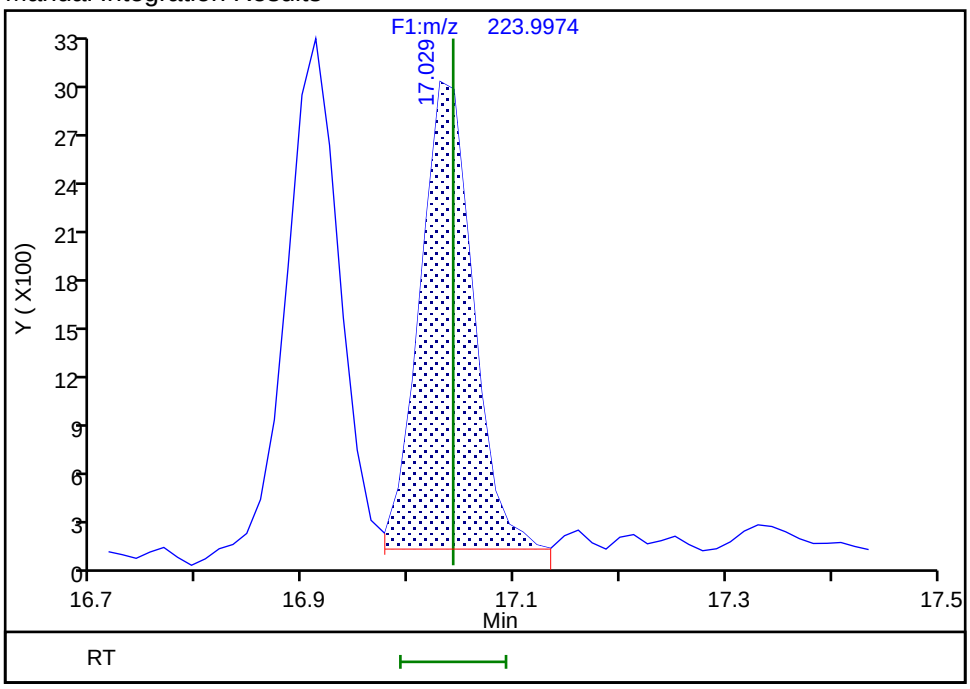
Processing Integration Results

RT: 17.03
Area: 10053
Amount: 0.523271
Amount Units: pg/ul




Manual Integration Results

RT: 17.03
Area: 9867
Amount: 0.512183
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:56:06

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

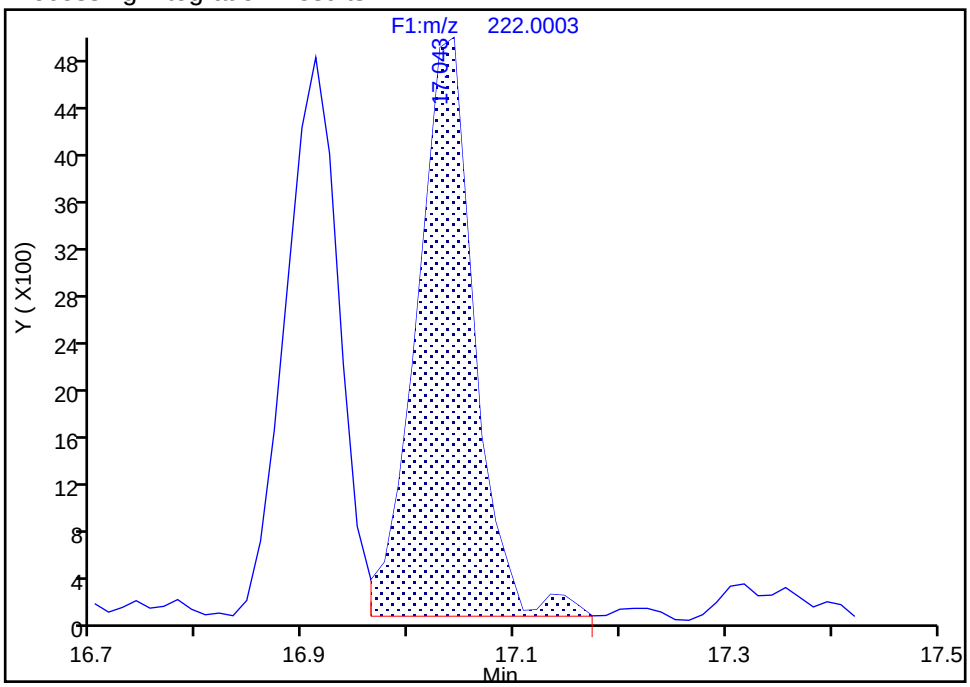
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-8, CAS: 34883-43-7

Signal: 1

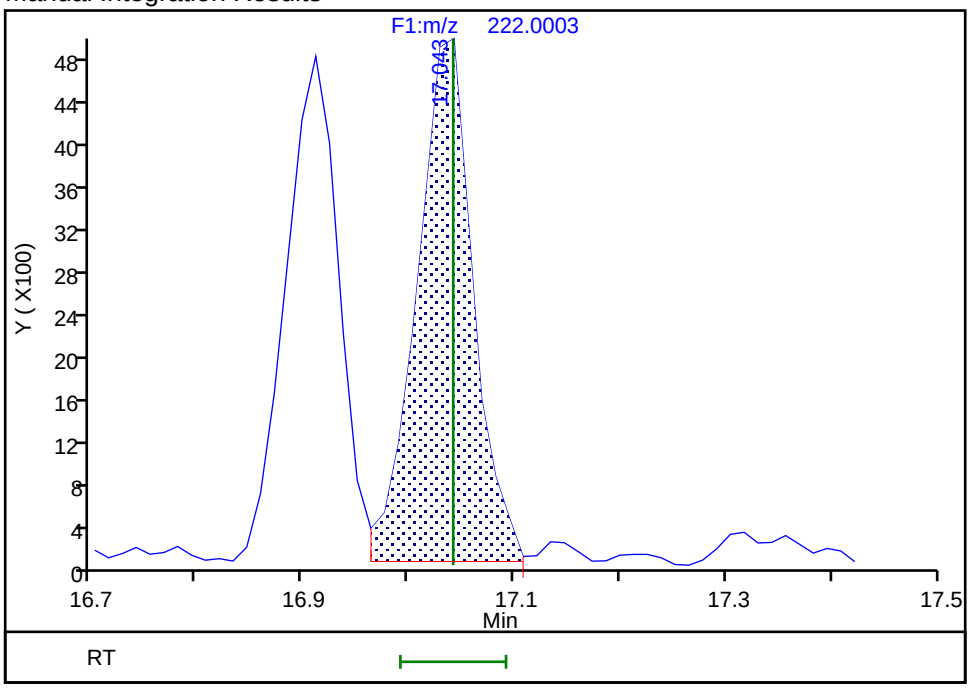
Processing Integration Results

RT: 17.04
Area: 18152
Amount: 0.523271
Amount Units: pg/ul




Manual Integration Results

RT: 17.04
Area: 17743
Amount: 0.512183
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:56:10
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

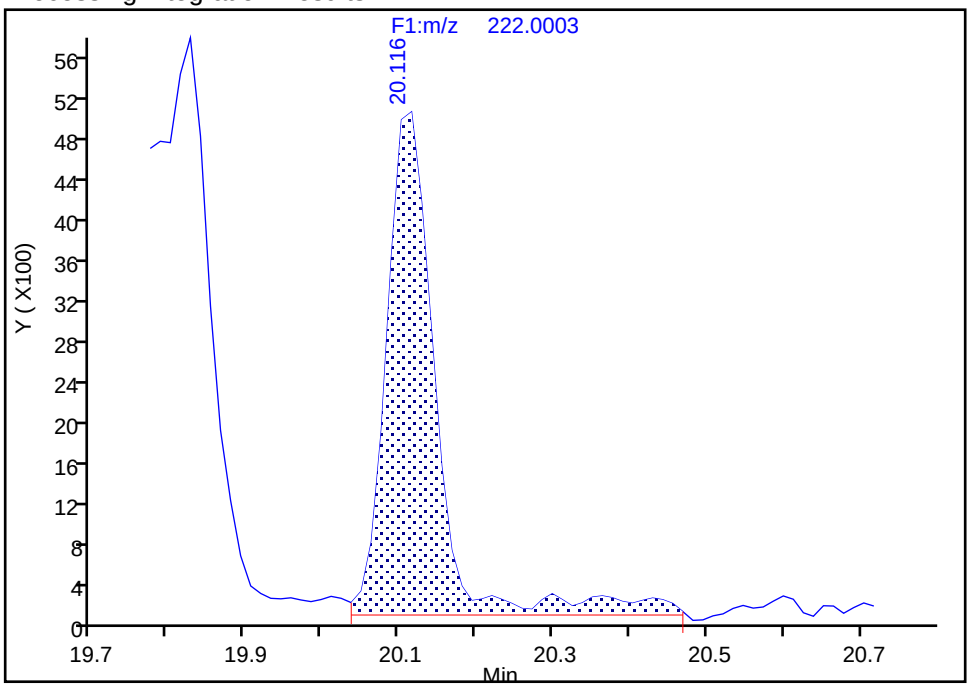
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 1

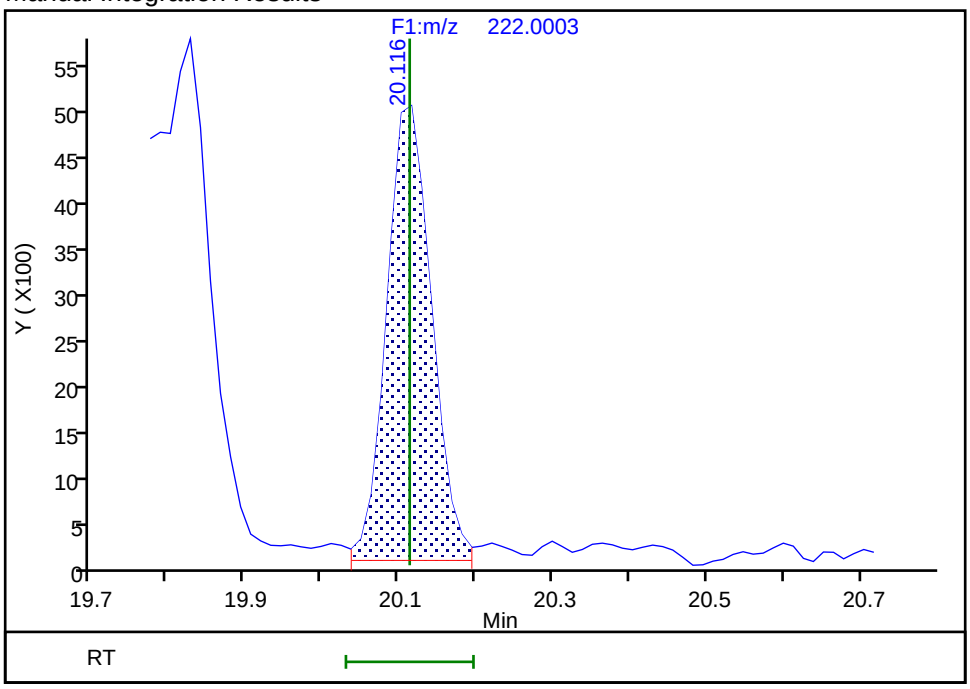
Processing Integration Results

RT: 20.12
Area: 21958
Amount: 0.592612
Amount Units: pg/ul




Manual Integration Results

RT: 20.12
Area: 19726
Amount: 0.555729
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:45:00

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

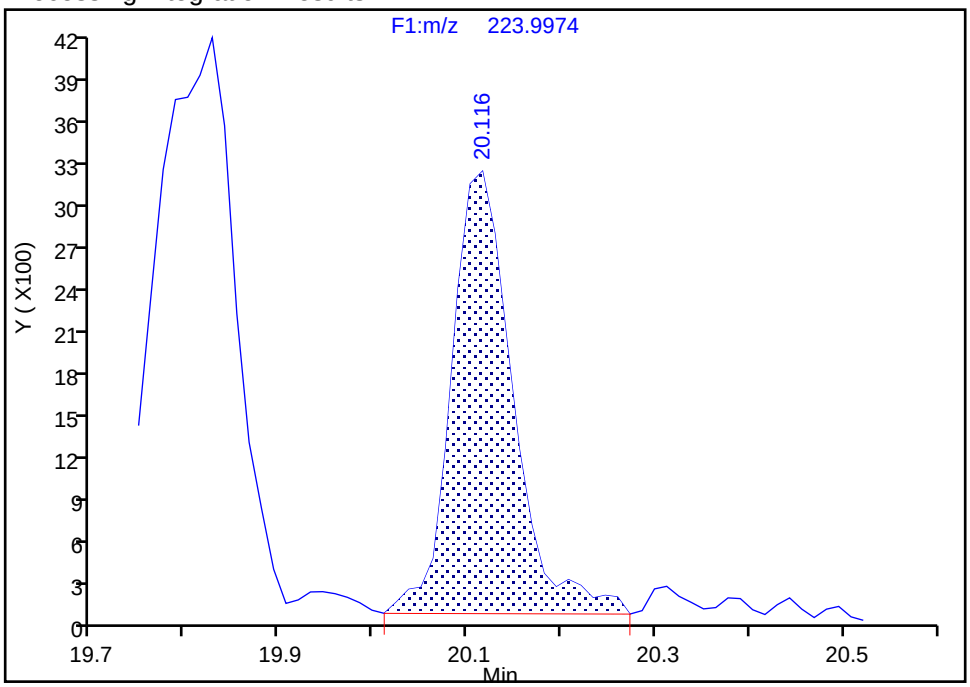
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 2

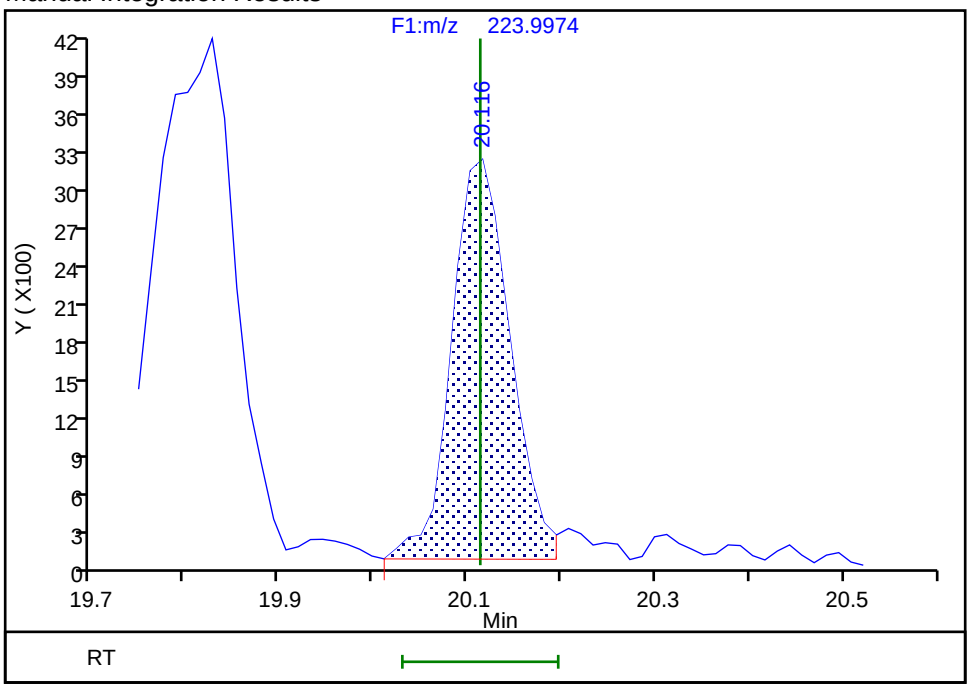
Processing Integration Results

RT: 20.12
Area: 13917
Amount: 0.592612
Amount Units: pg/ul




Manual Integration Results

RT: 20.12
Area: 13222
Amount: 0.555729
Amount Units: pg/ul



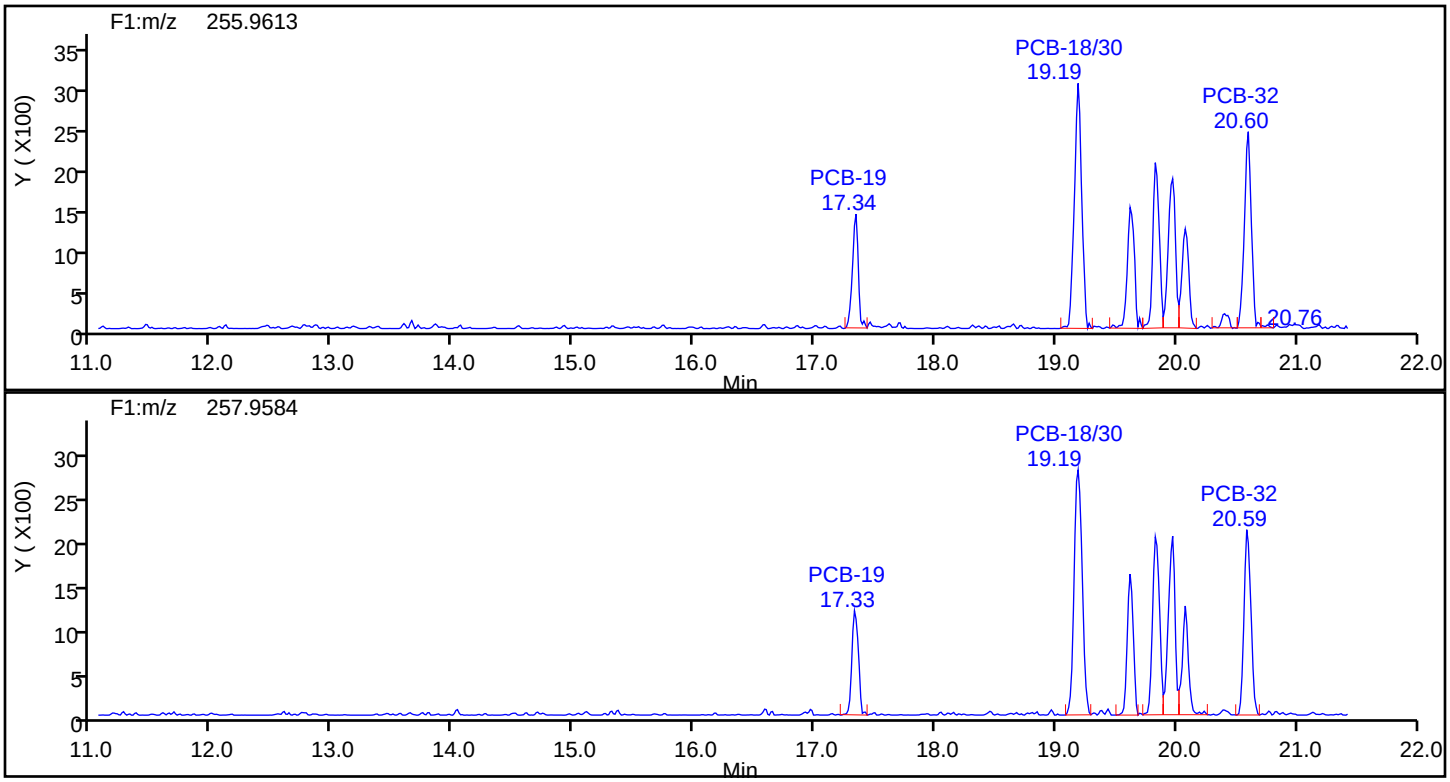

Reviewer: davidsonm, 21-Aug-2019 14:45:02

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

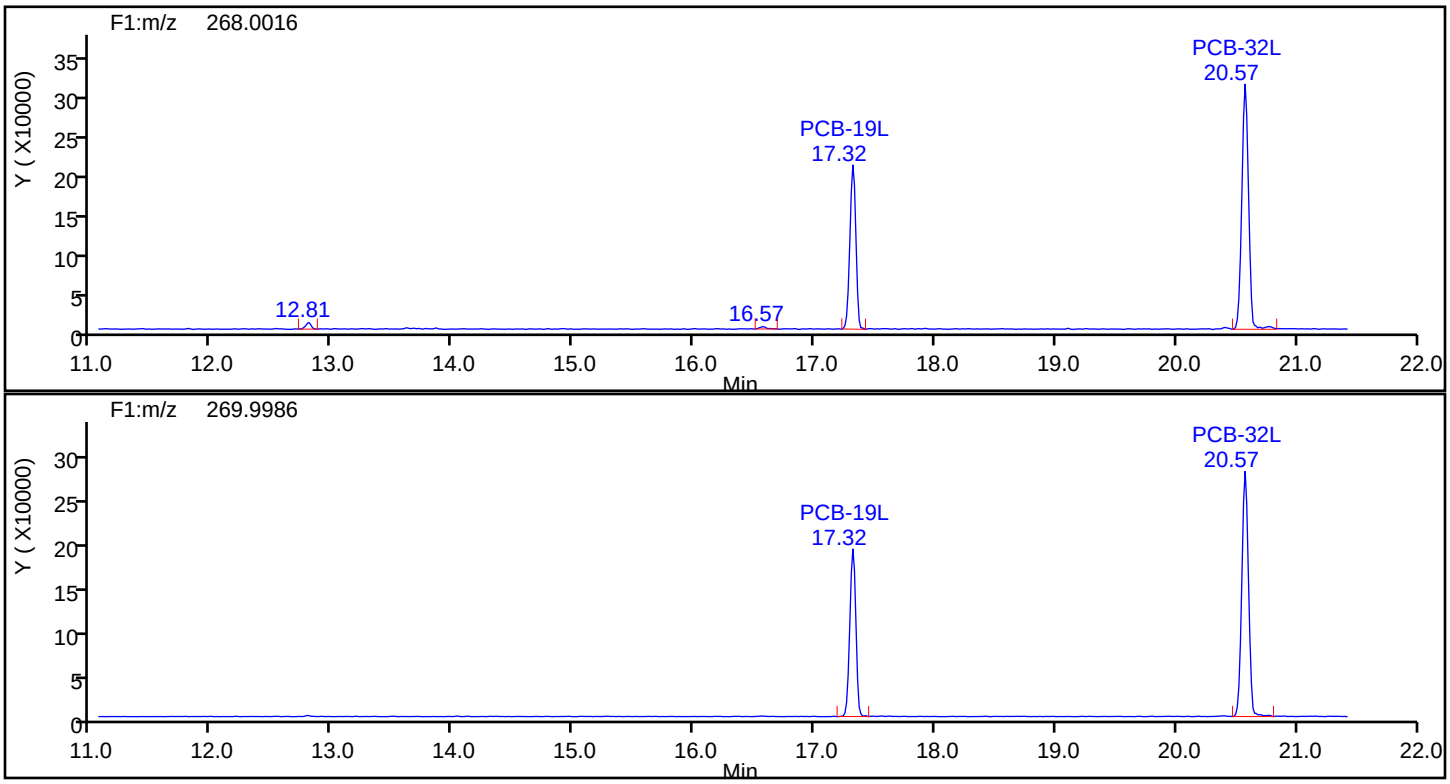
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



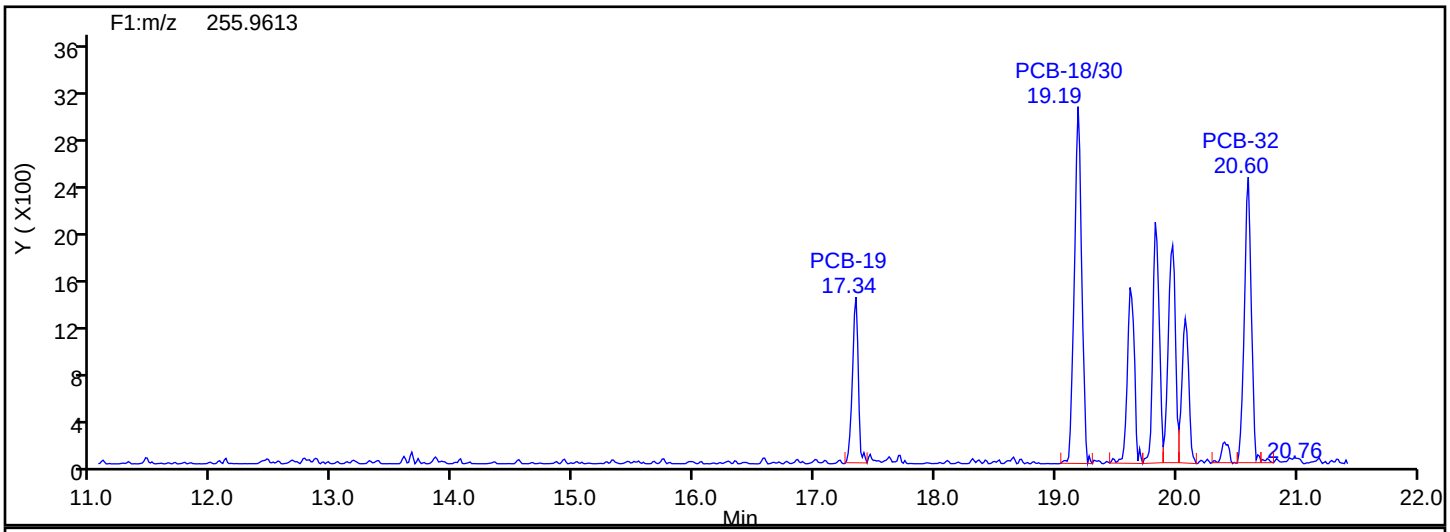

TriPCB F1 Standards

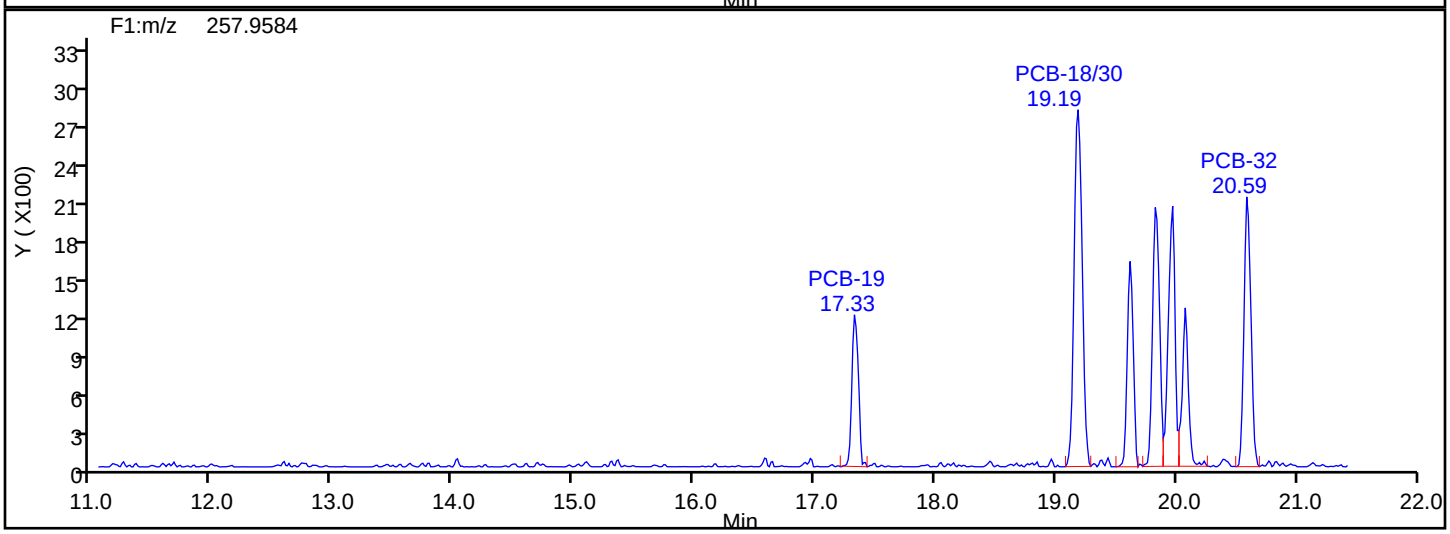


Eurofins TestAmerica, Knoxville

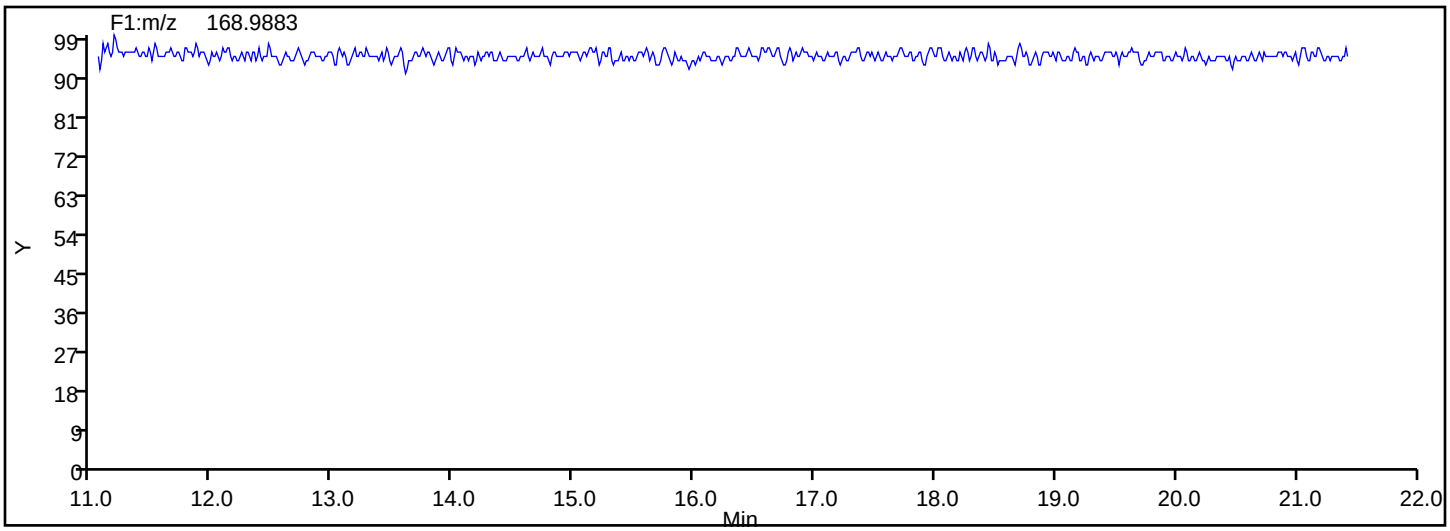
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

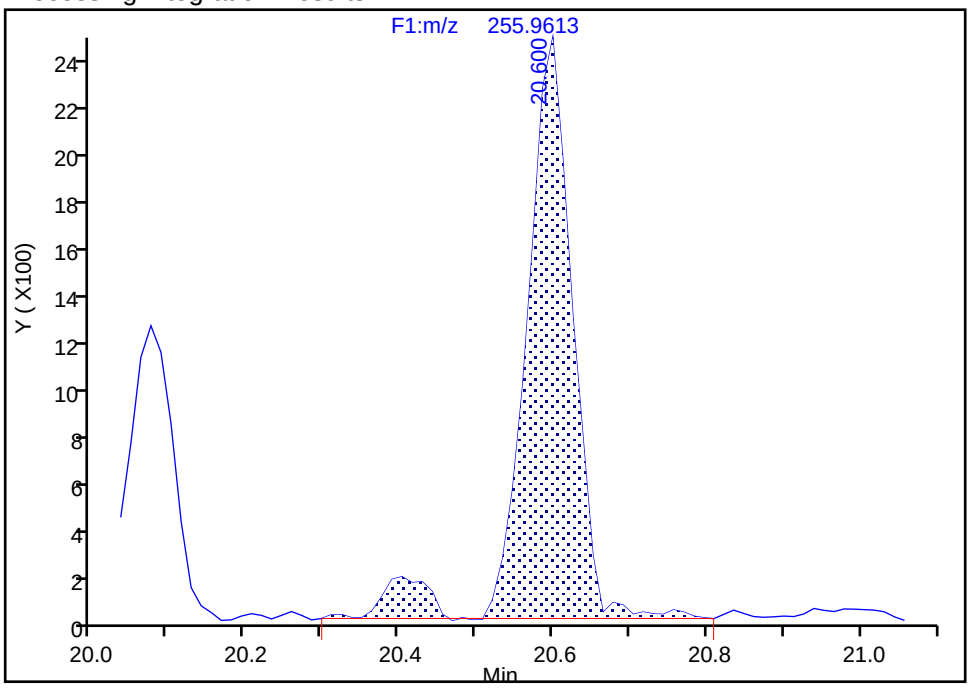
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

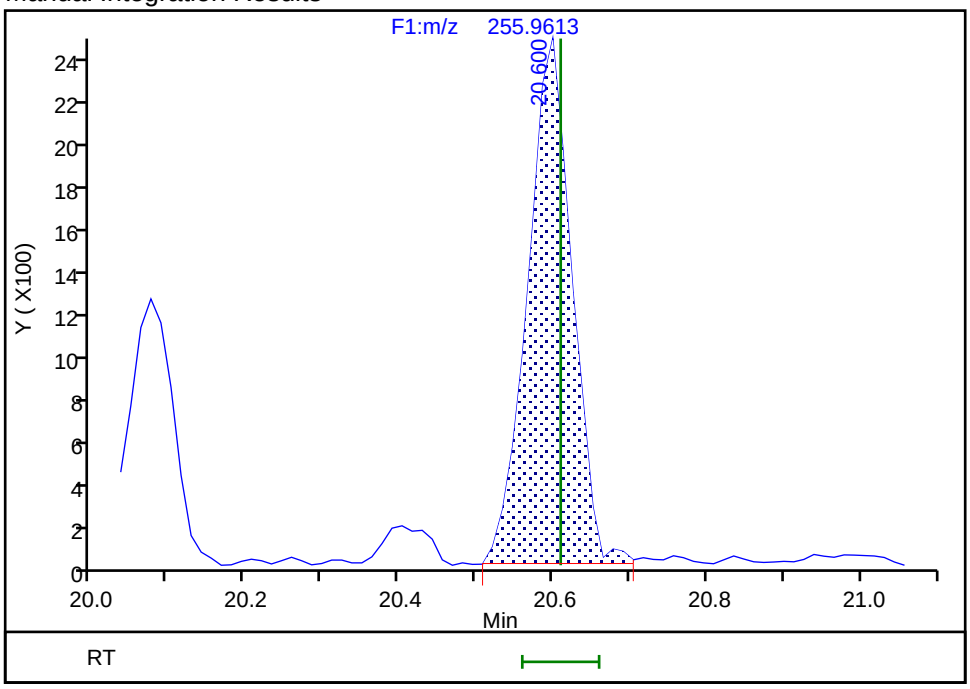
Processing Integration Results

RT: 20.60
Area: 10602
Amount: 0.587467
Amount Units: pg/ul




Manual Integration Results

RT: 20.60
Area: 9761
Amount: 0.552350
Amount Units: pg/ul



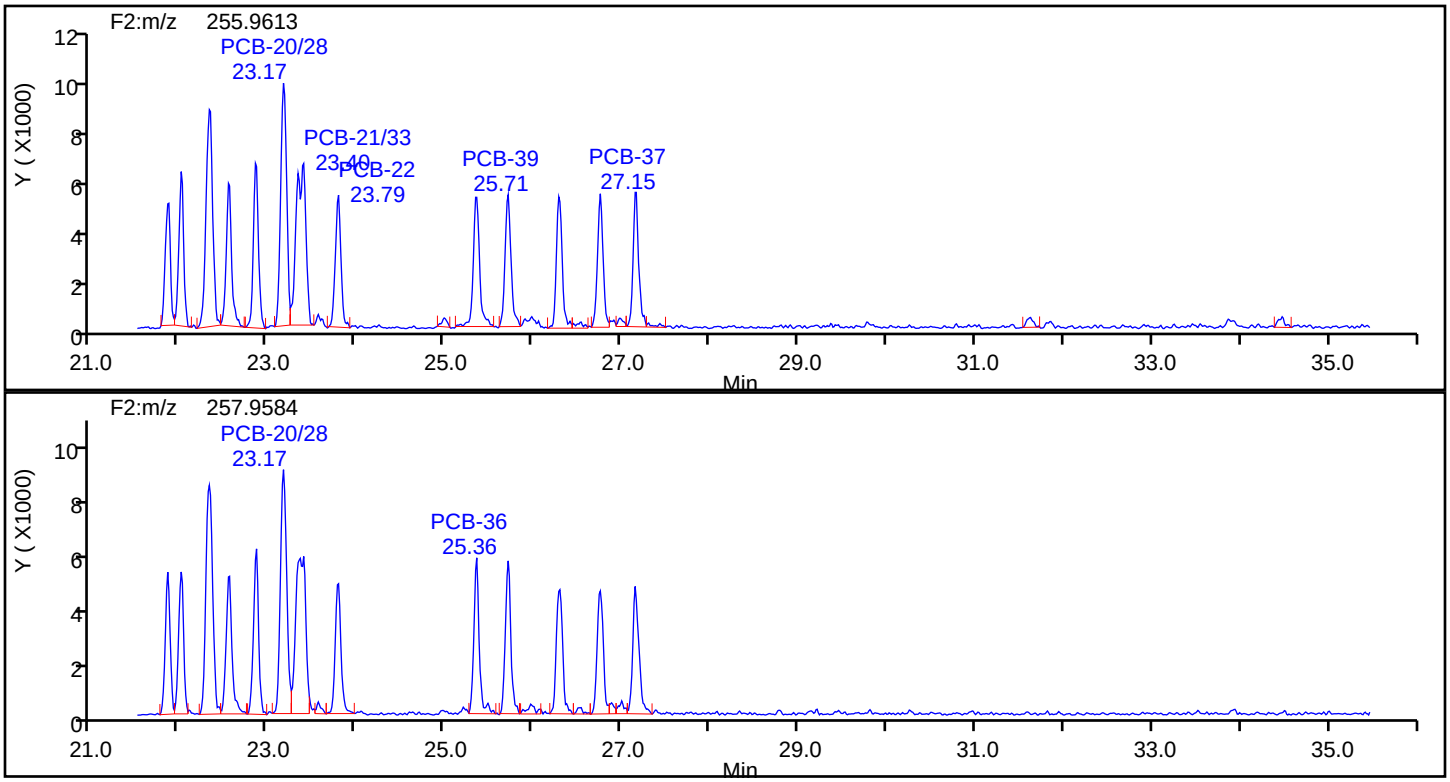

Reviewer: davidsonm, 21-Aug-2019 14:56:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

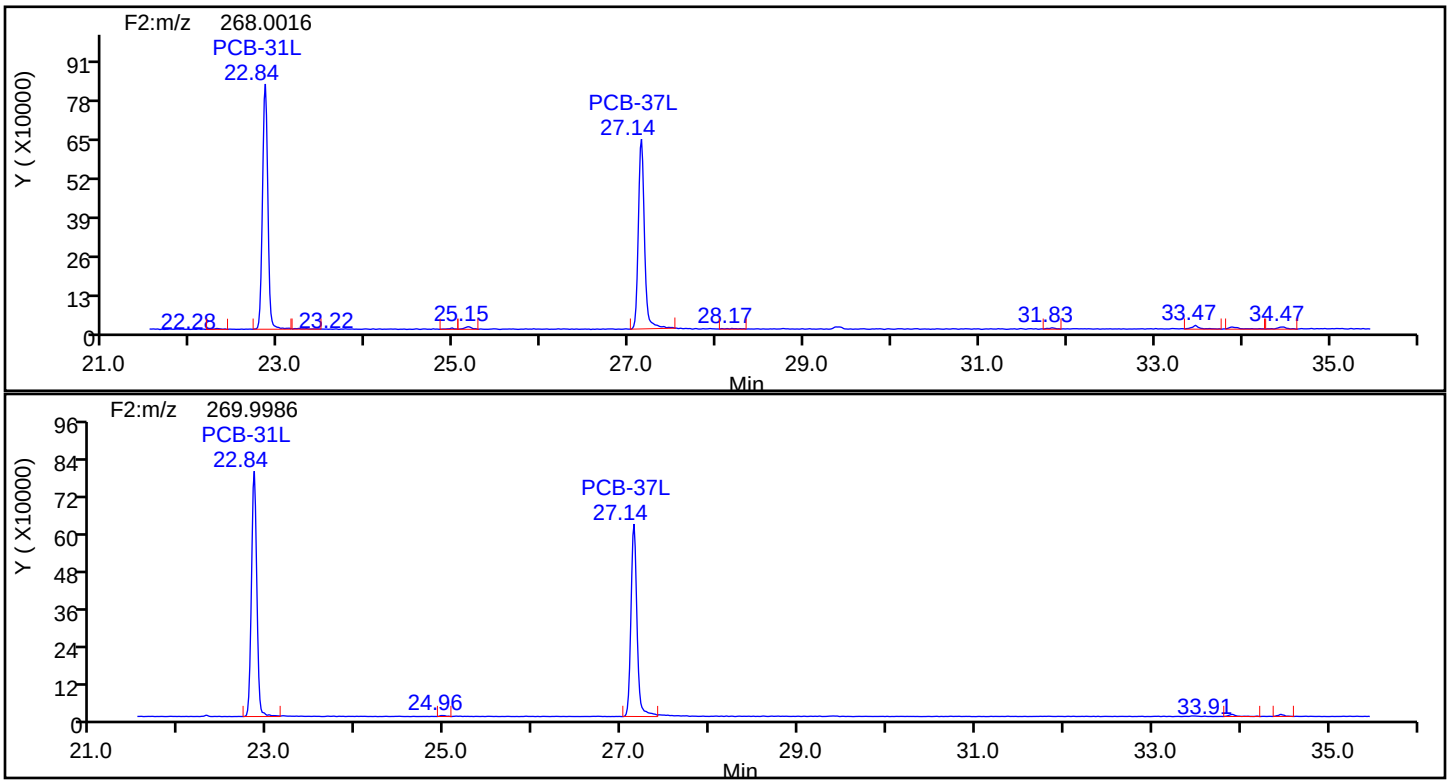
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



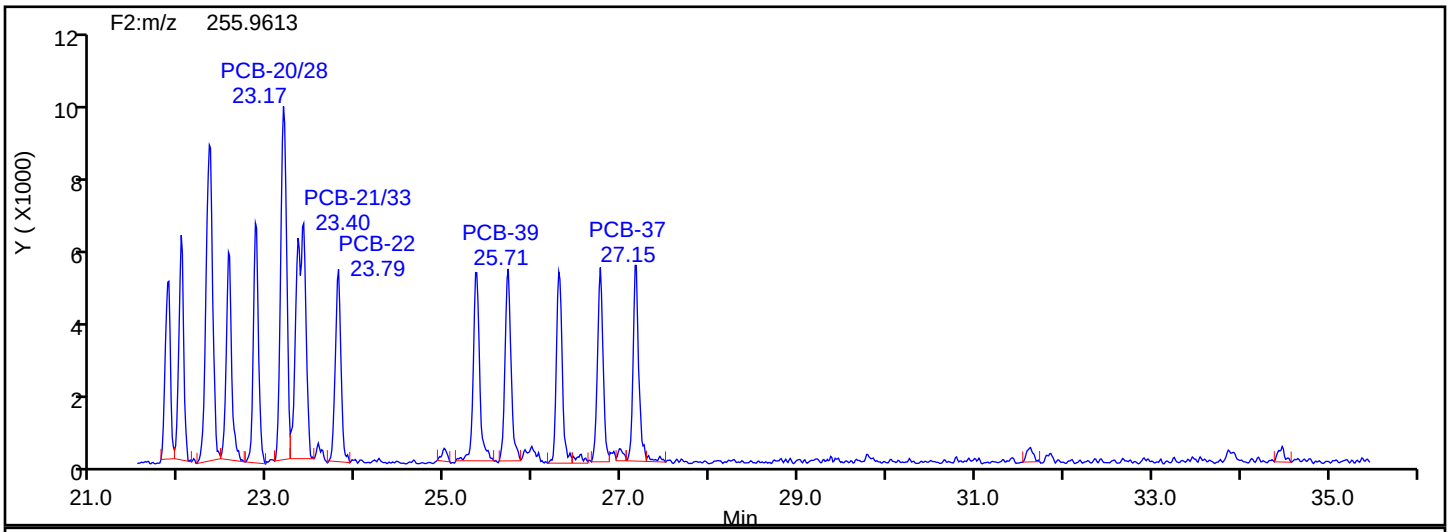

TriPCB F2 Standards

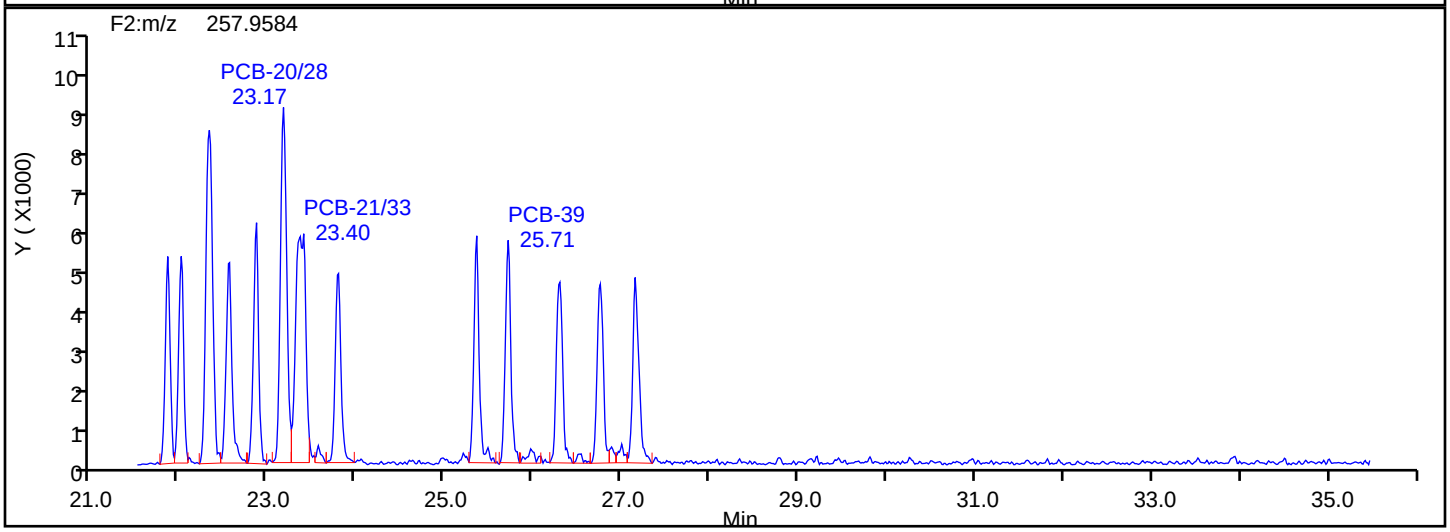


Eurofins TestAmerica, Knoxville

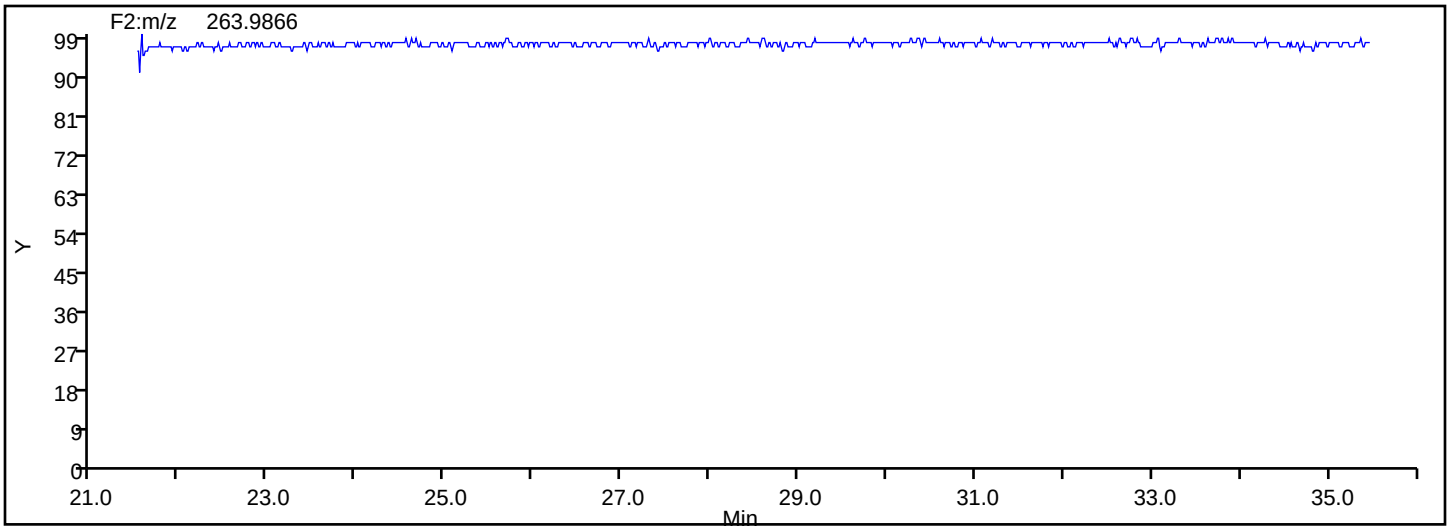
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

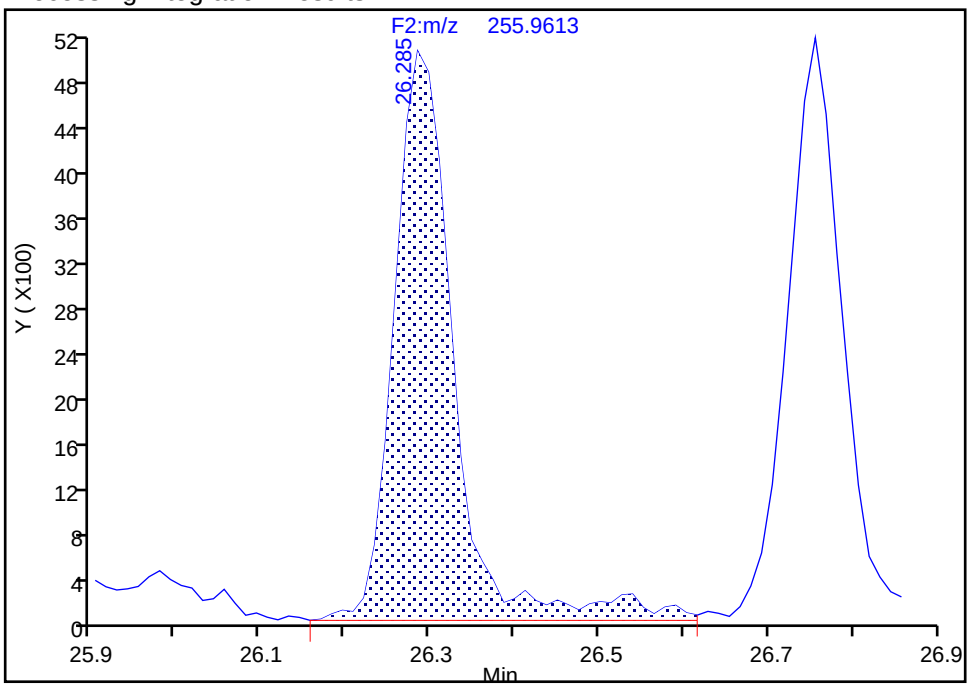
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-38, CAS: 53555-66-1

Signal: 1

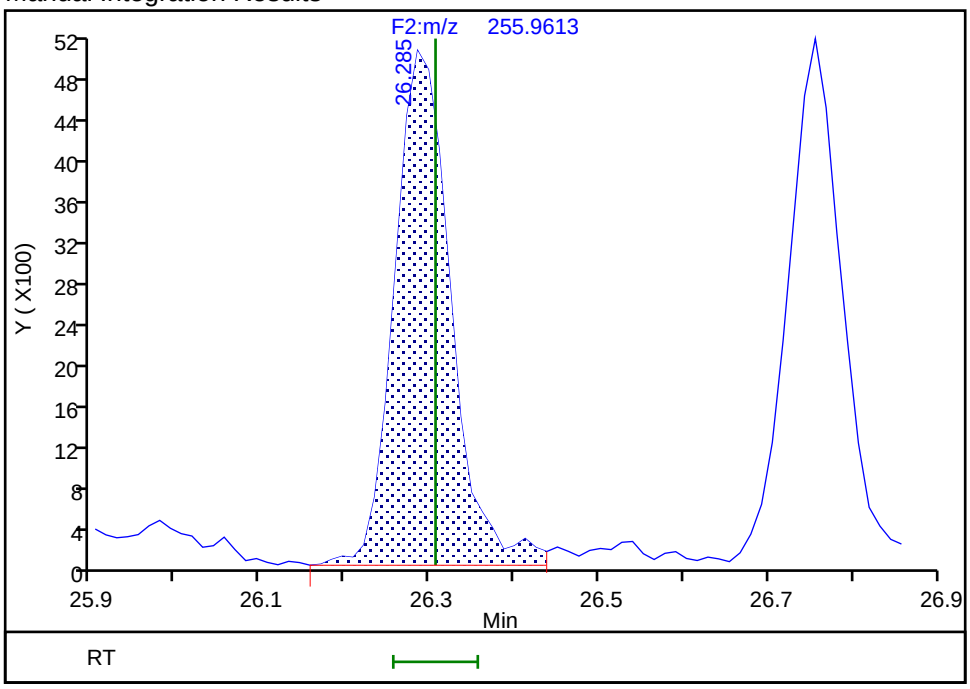
Processing Integration Results

RT: 26.29
Area: 24695
Amount: 0.551117
Amount Units: pg/ul




Manual Integration Results

RT: 26.29
Area: 23255
Amount: 0.560936
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:57:18

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

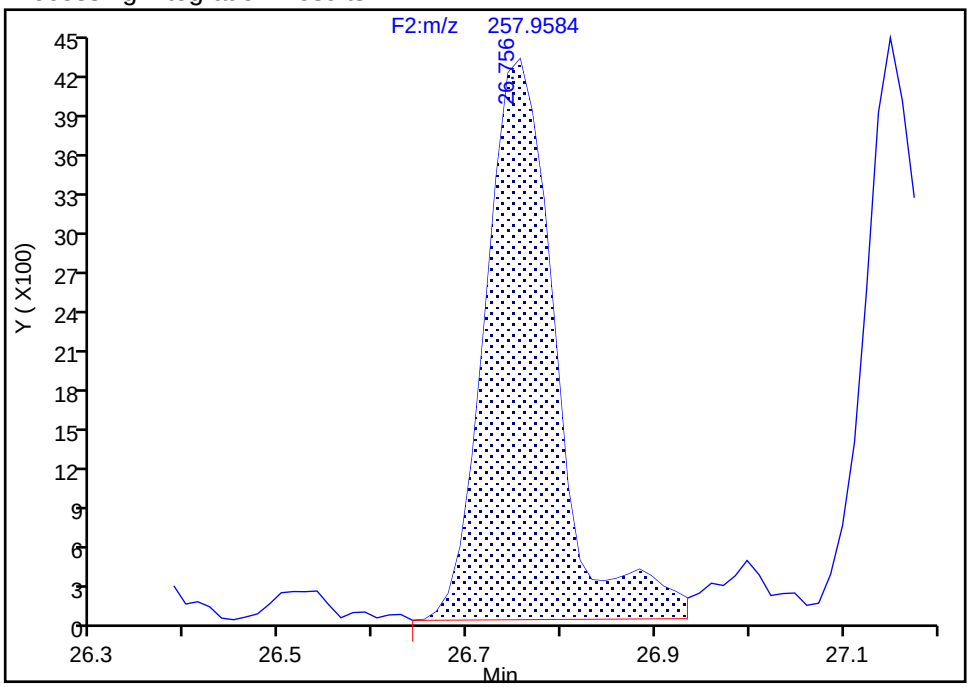
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 2

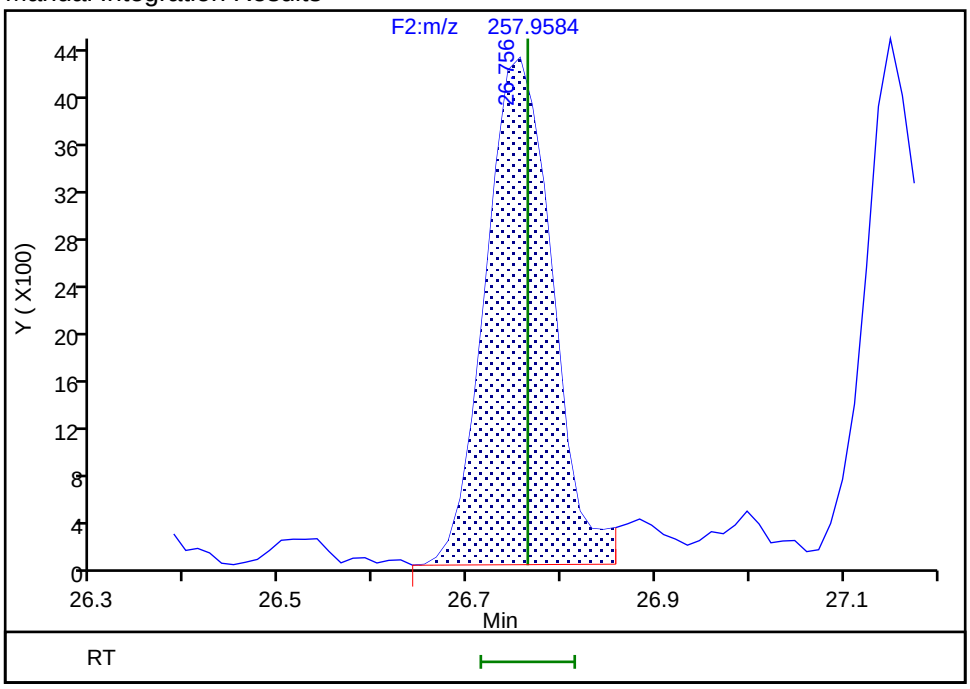
Processing Integration Results

RT: 26.76
Area: 22222
Amount: 0.548583
Amount Units: pg/ul




Manual Integration Results

RT: 26.76
Area: 20912
Amount: 0.584374
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:57:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

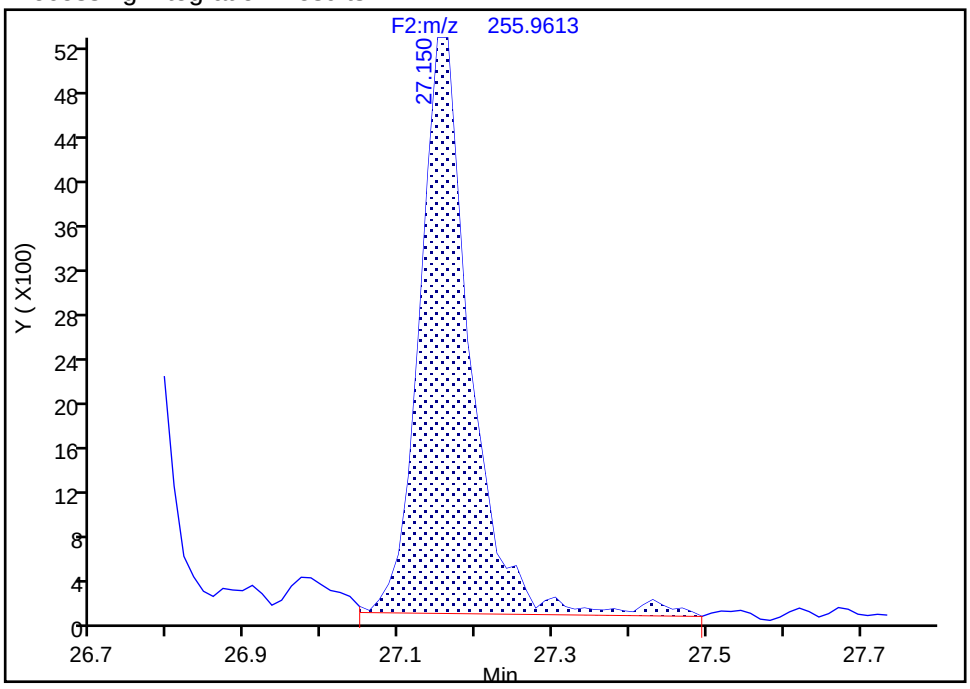
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-37, CAS: 38444-90-5

Signal: 1

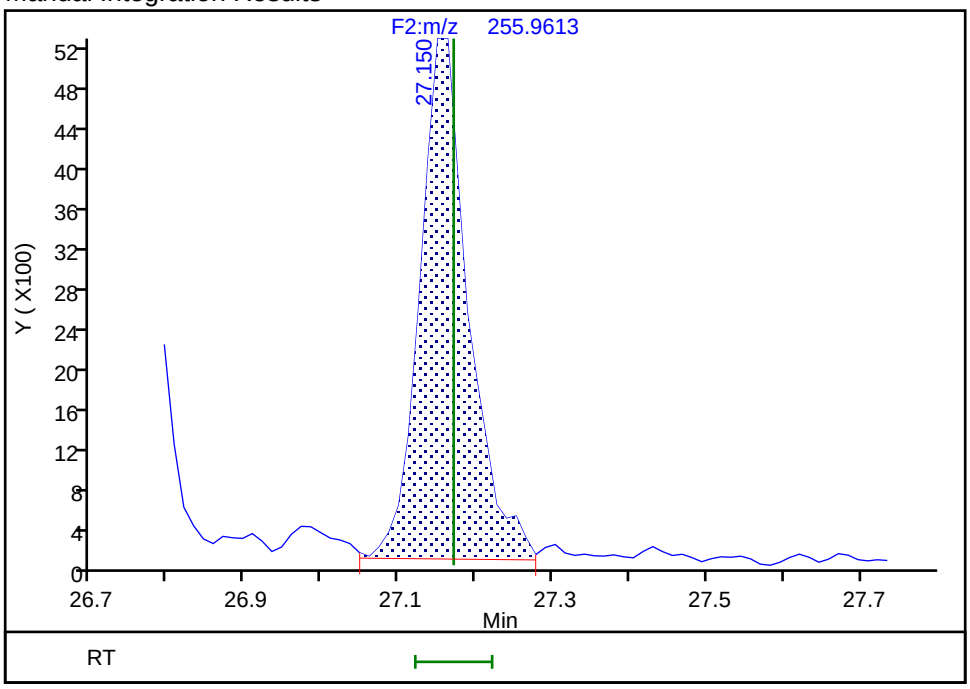
Processing Integration Results

RT: 27.15
Area: 23448
Amount: 0.544463
Amount Units: pg/ul




Manual Integration Results

RT: 27.15
Area: 22526
Amount: 0.563353
Amount Units: pg/ul



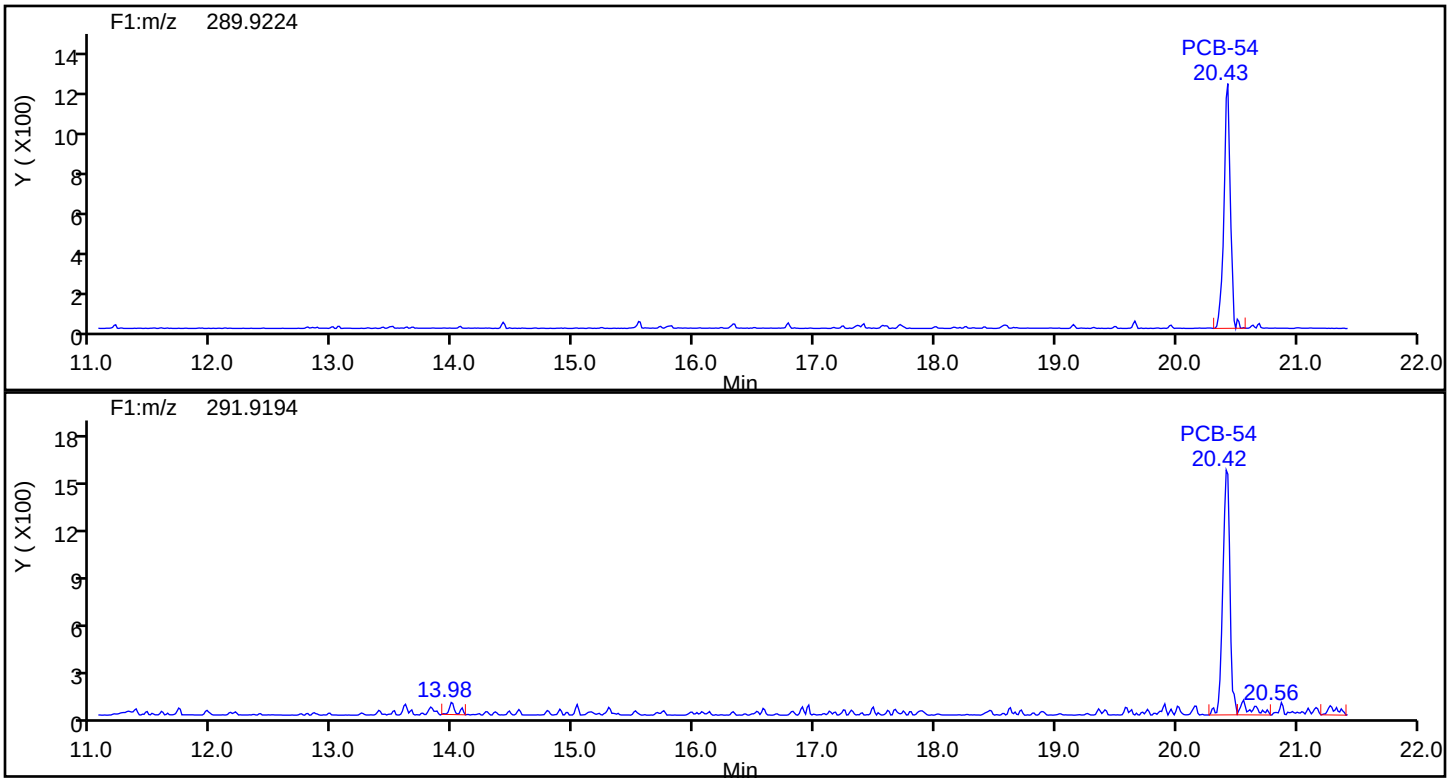

Reviewer: davidsonm, 21-Aug-2019 14:57:38

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

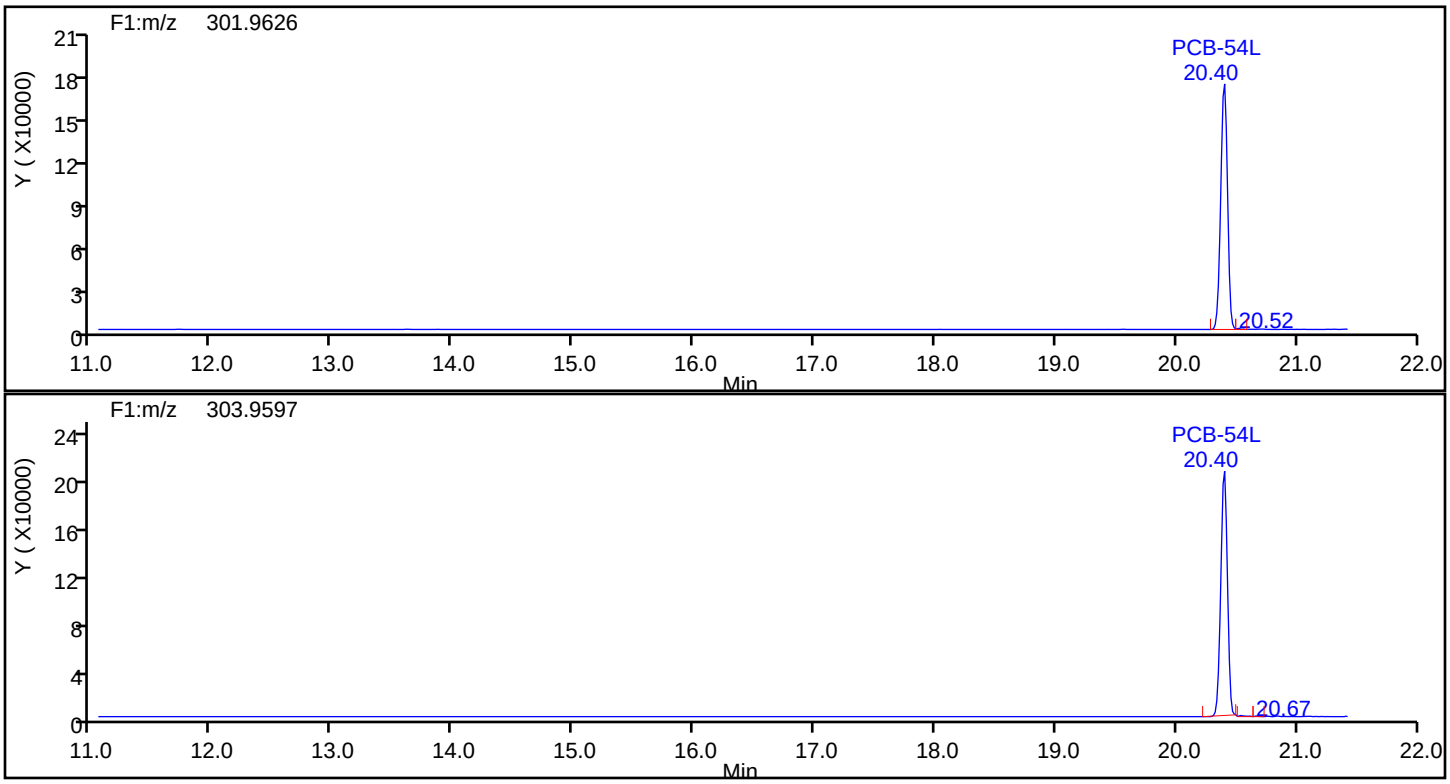
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



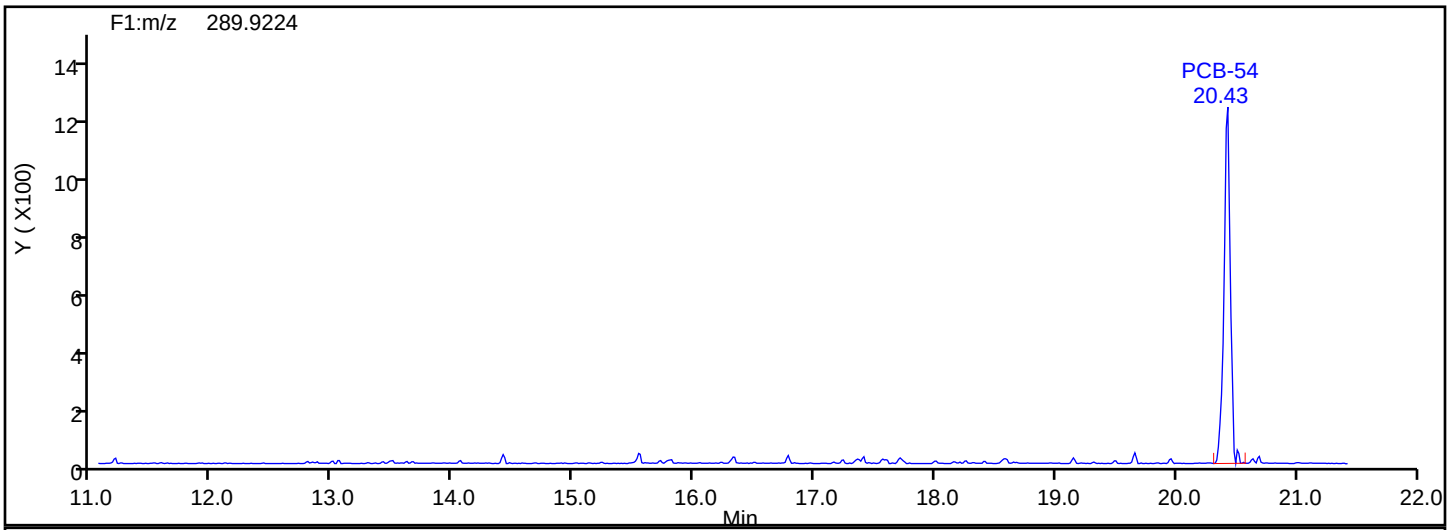

TePCB F1 Standards

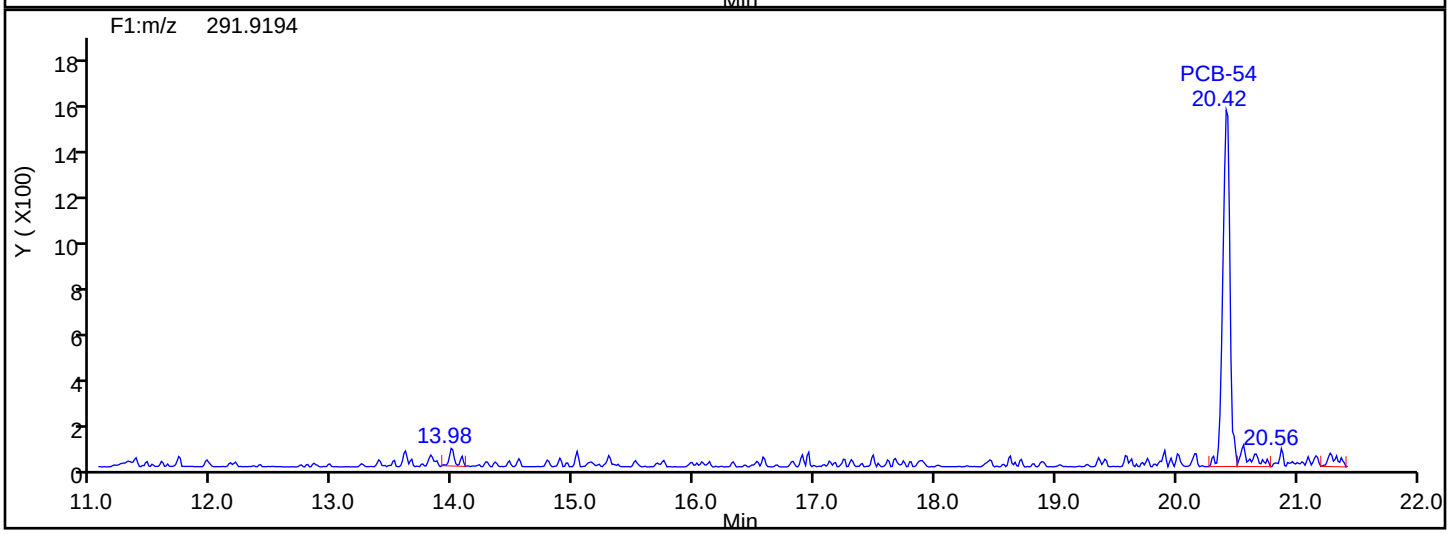


Eurofins TestAmerica, Knoxville

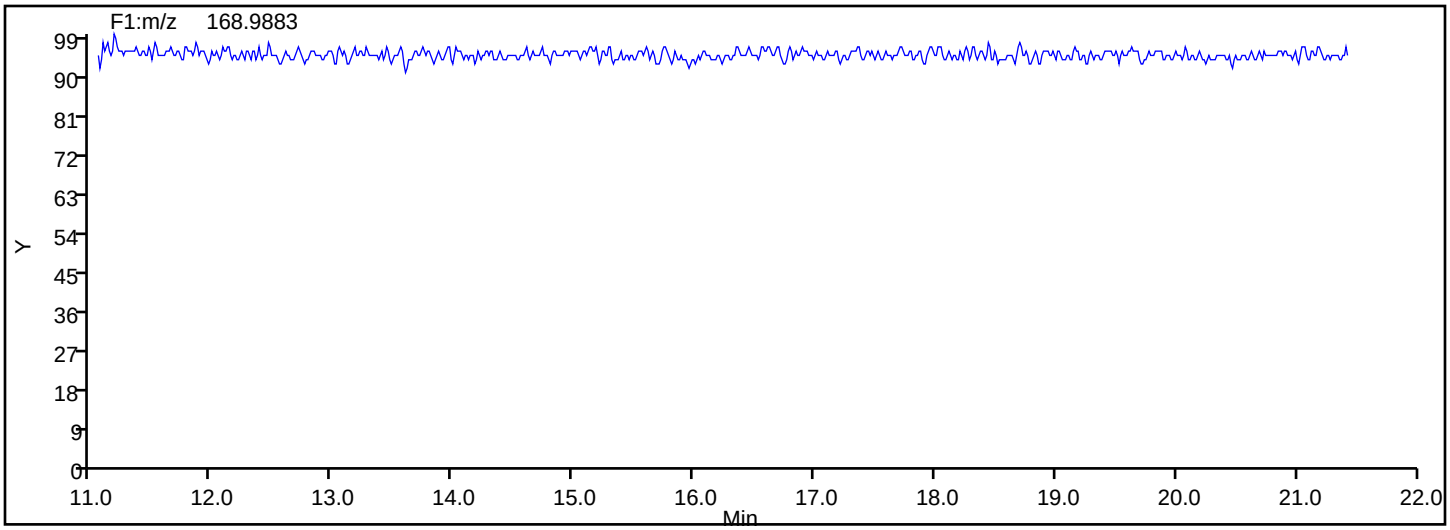
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



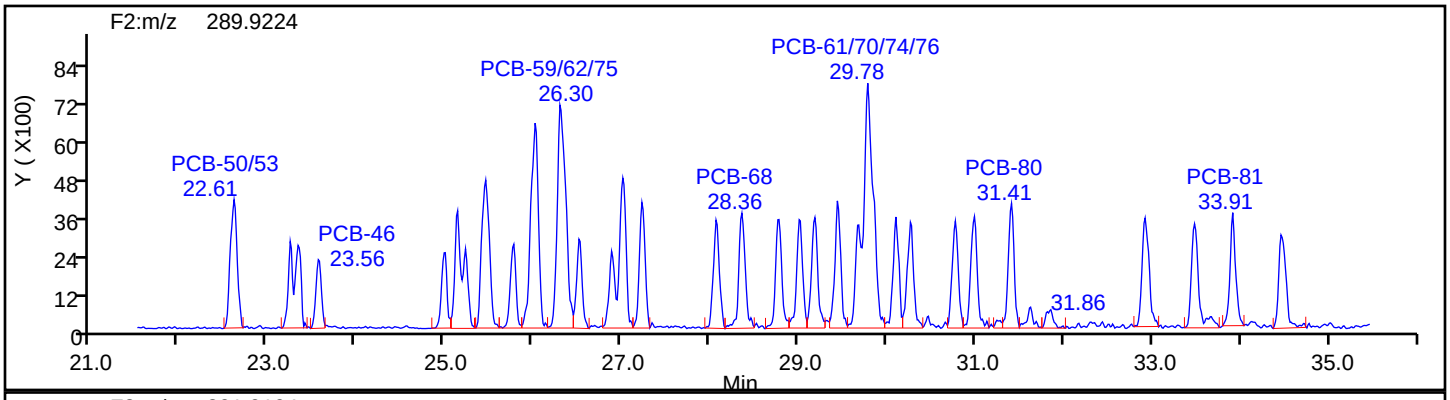

TePCB F1 Lock Mass

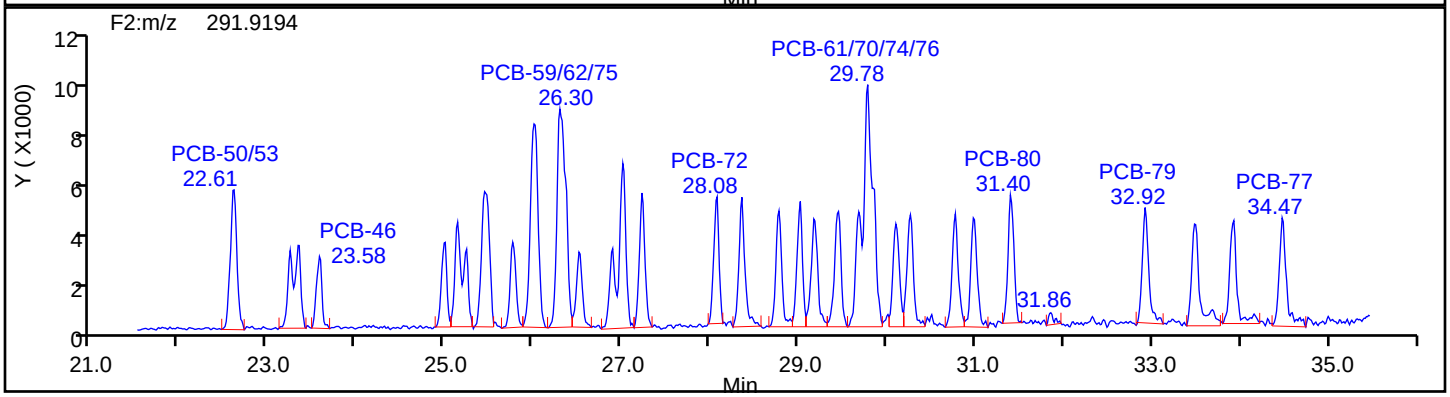


Eurofins TestAmerica, Knoxville

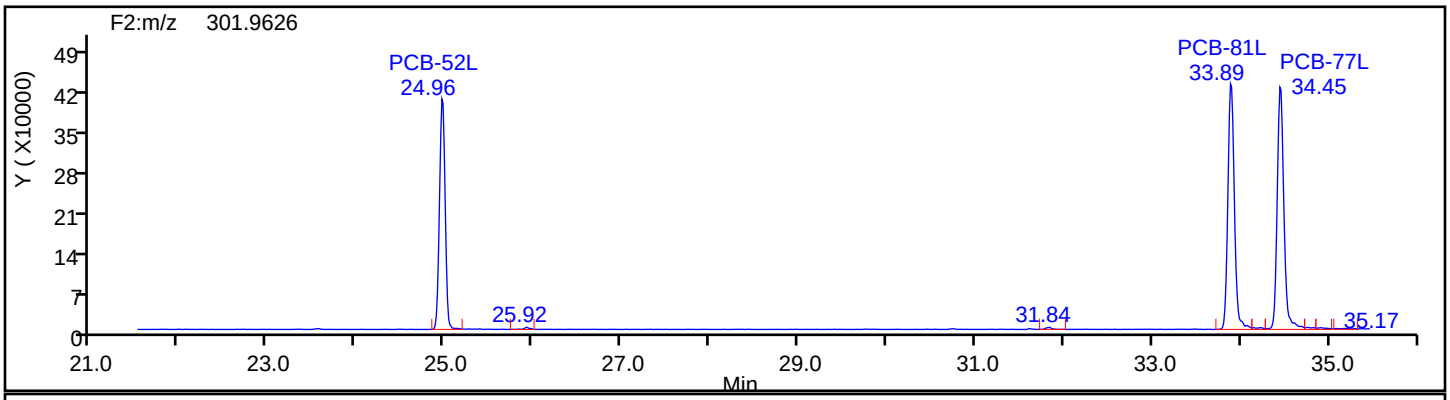
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

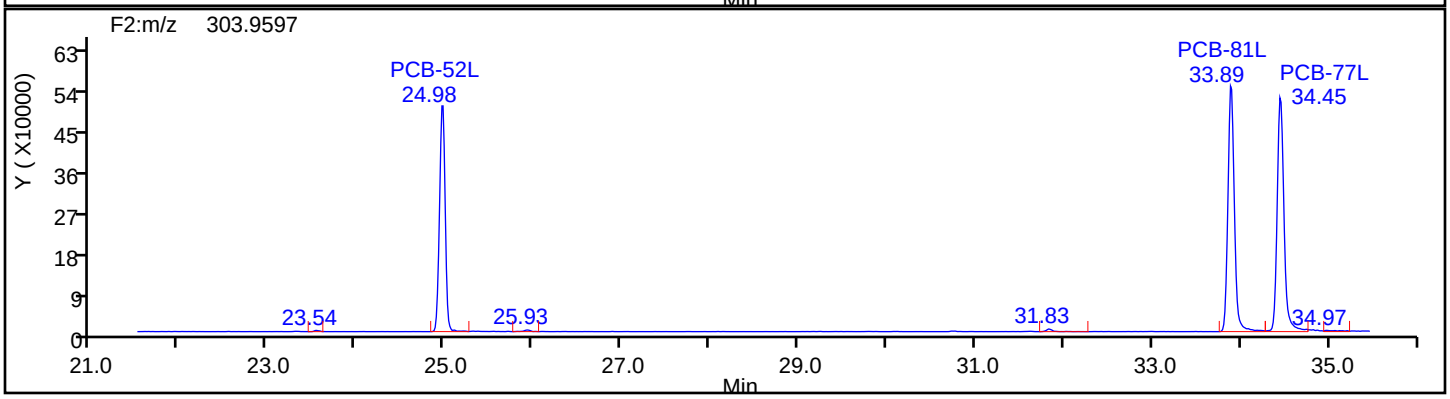
TePCB F2




TePCB F2 Standards

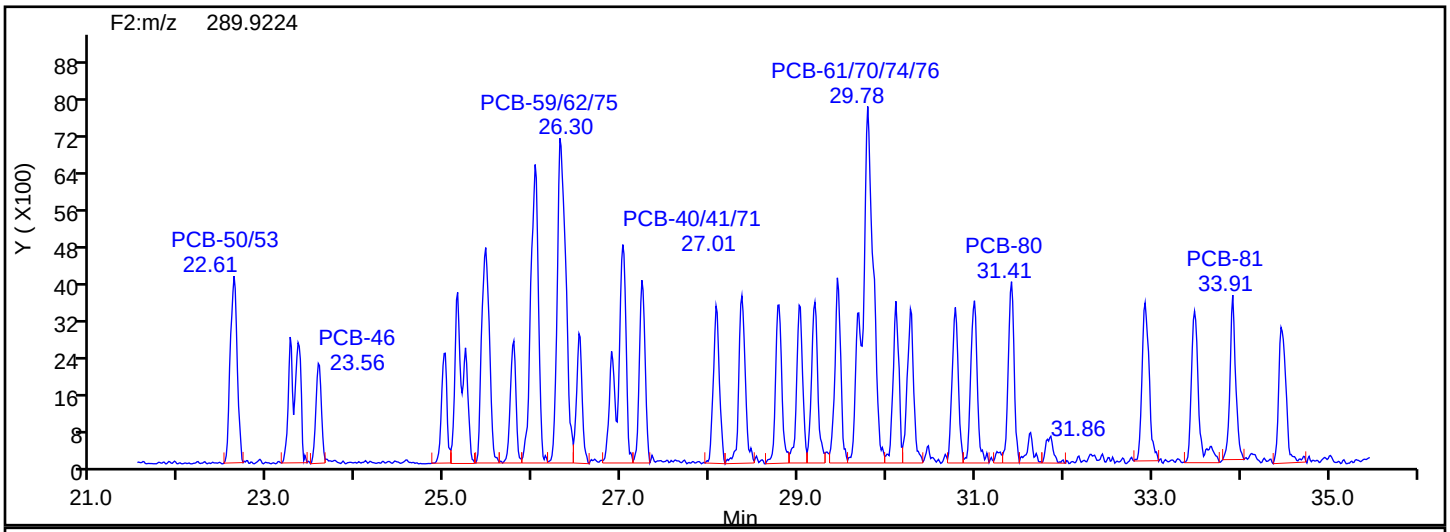


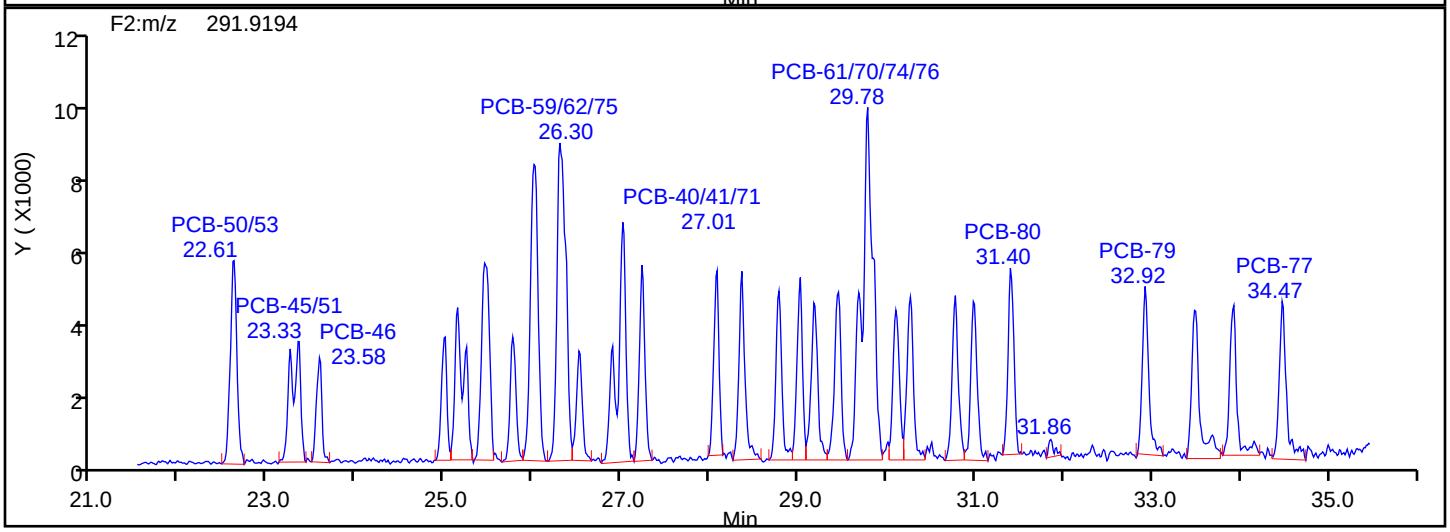



Eurofins TestAmerica, Knoxville

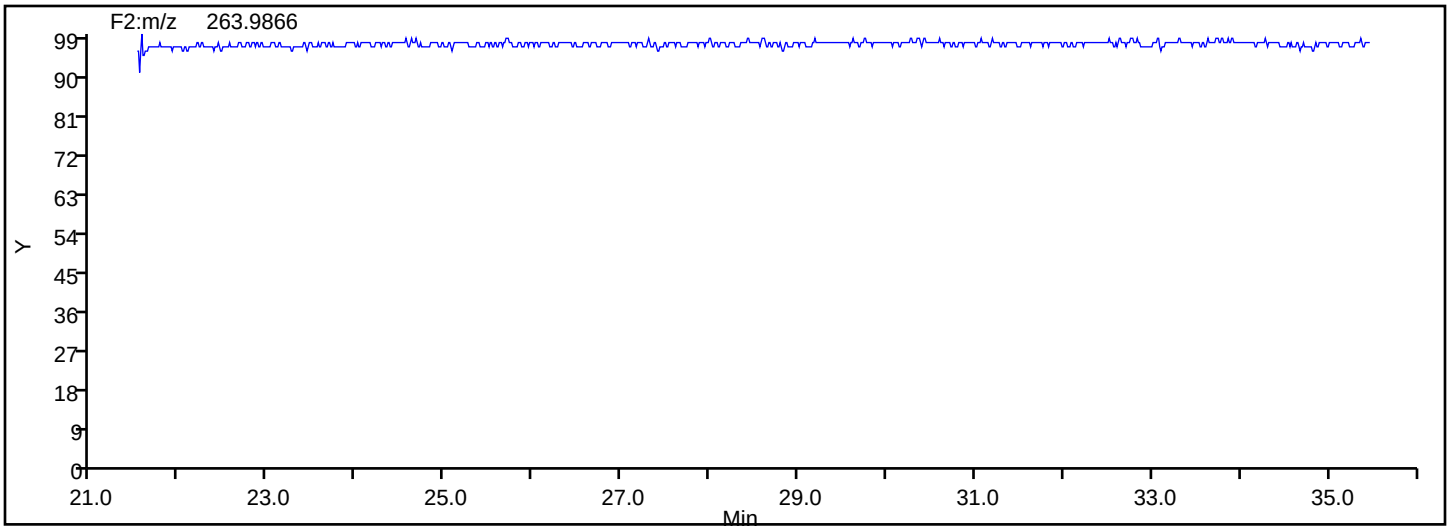
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

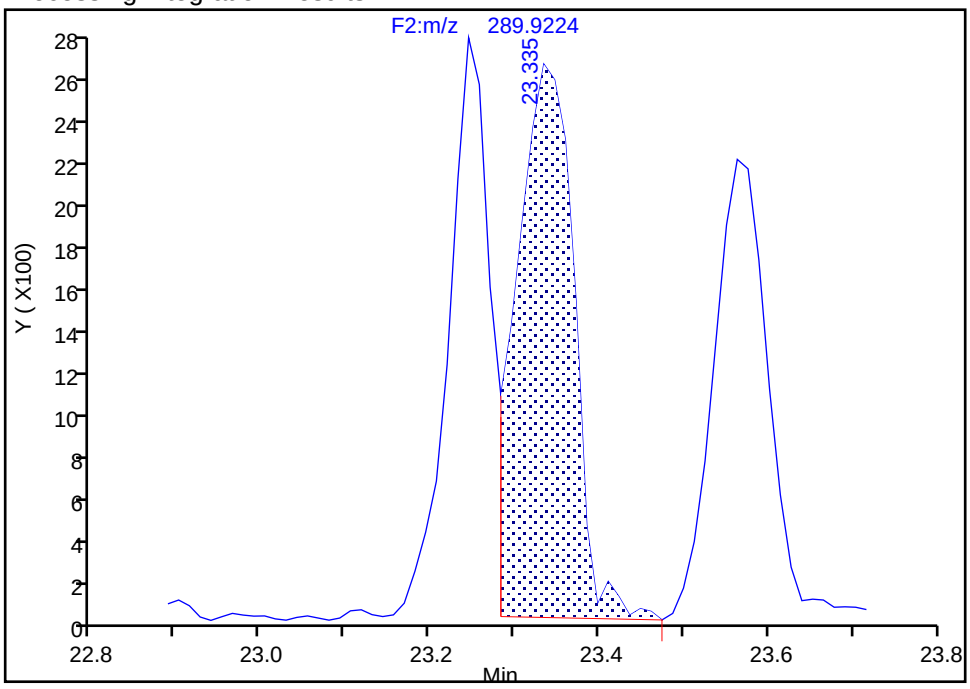
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 1

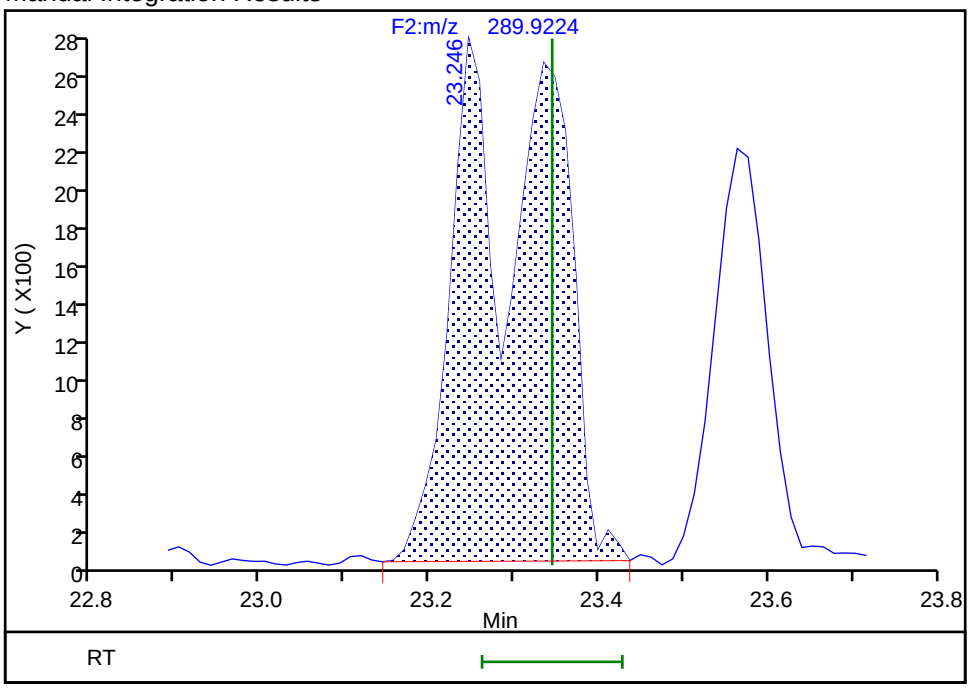
Processing Integration Results

RT: 23.33
Area: 12098
Amount: 1.146240
Amount Units: pg/ul




Manual Integration Results

RT: 23.25
Area: 20980
Amount: 1.046287
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:58:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

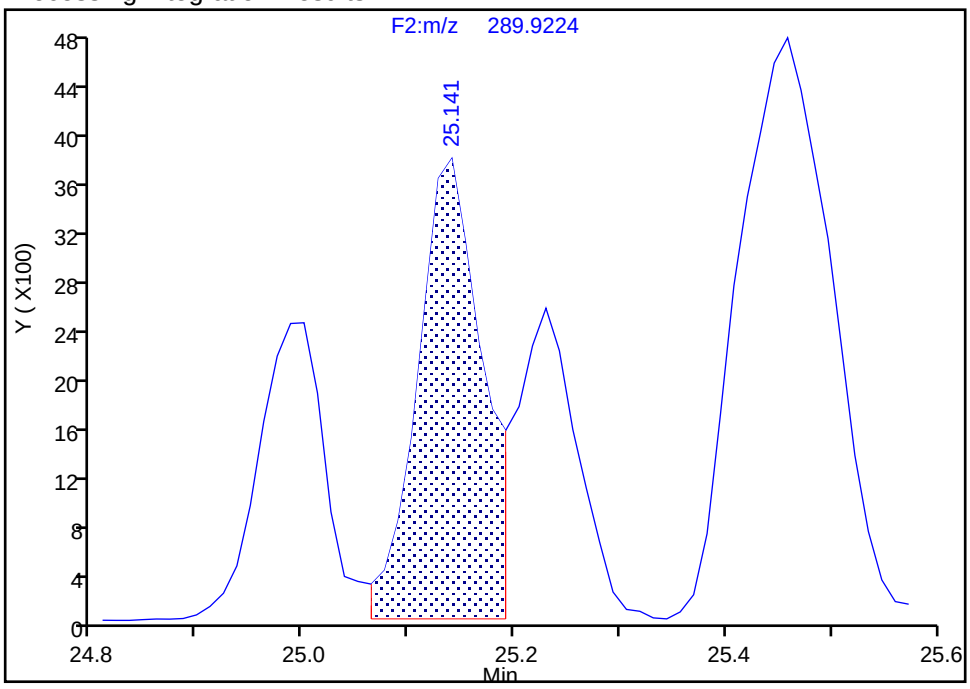
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

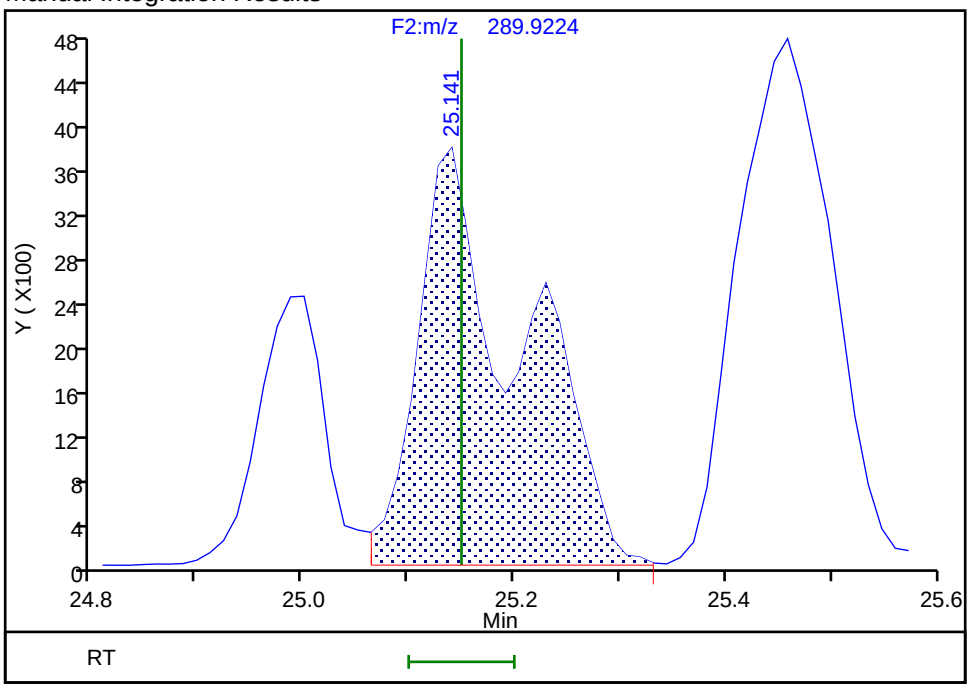
Processing Integration Results

RT: 25.14
Area: 15441
Amount: 1.056026
Amount Units: pg/ul




Manual Integration Results

RT: 25.14
Area: 25422
Amount: 1.095459
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:58:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

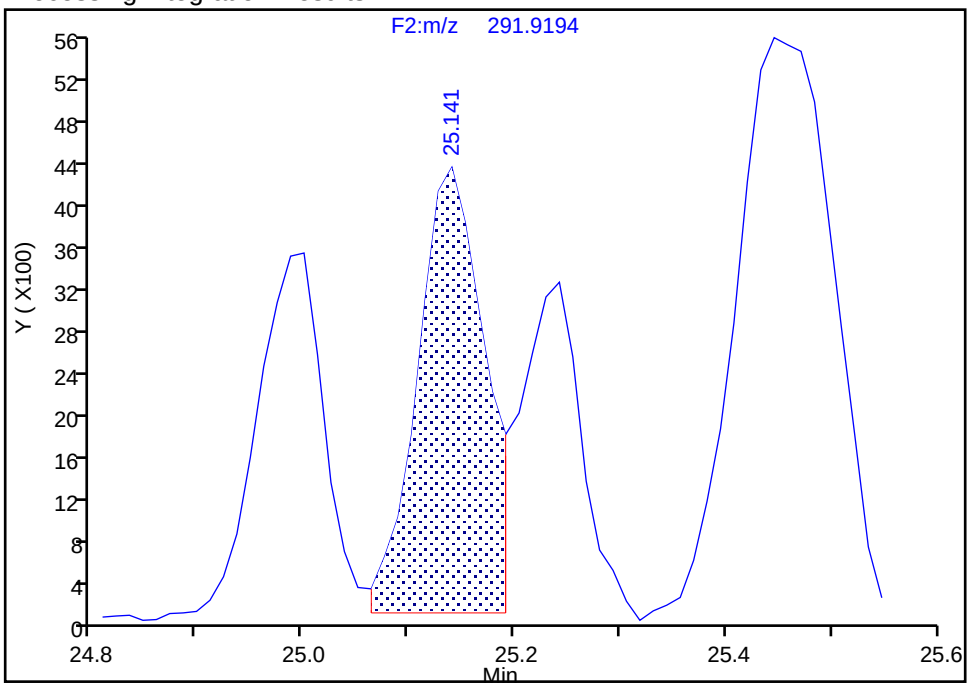
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

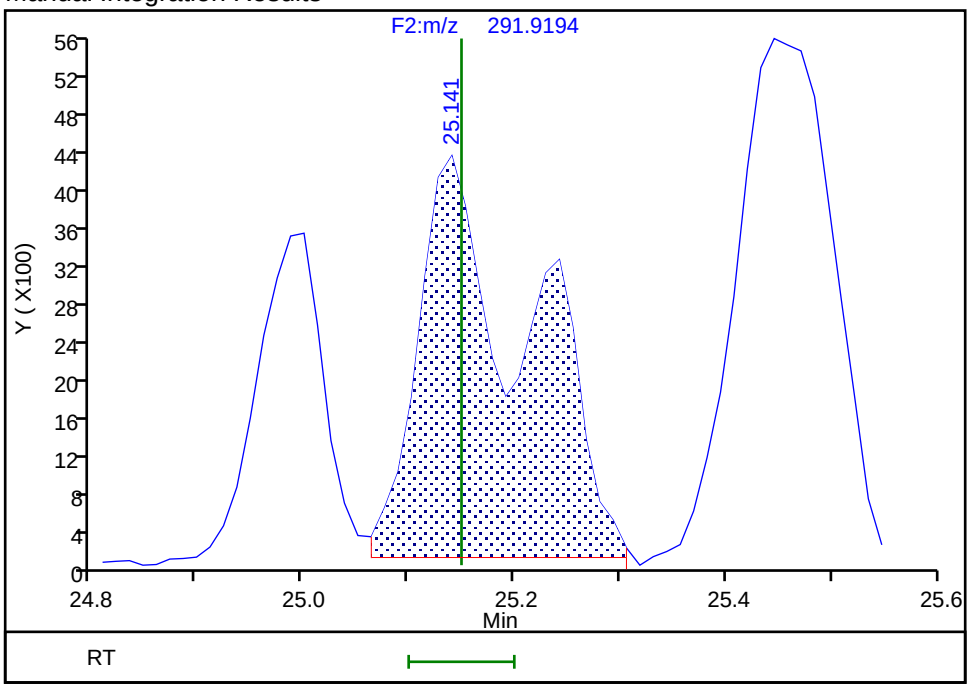
Processing Integration Results

RT: 25.14
Area: 17967
Amount: 1.056026
Amount Units: pg/ul




Manual Integration Results

RT: 25.14
Area: 29870
Amount: 1.095459
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:58:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

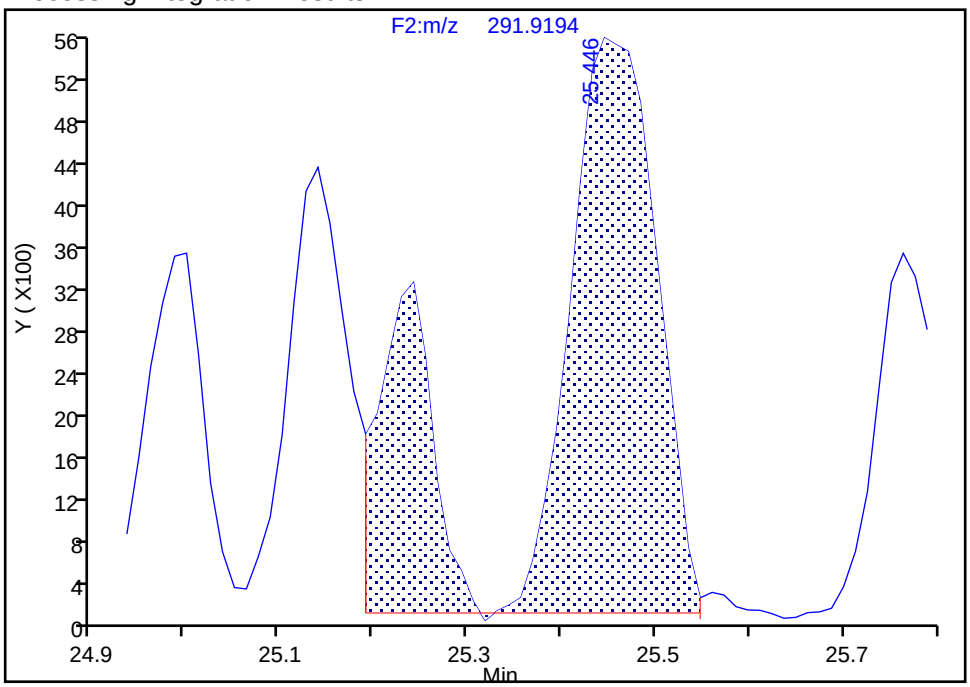
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 2

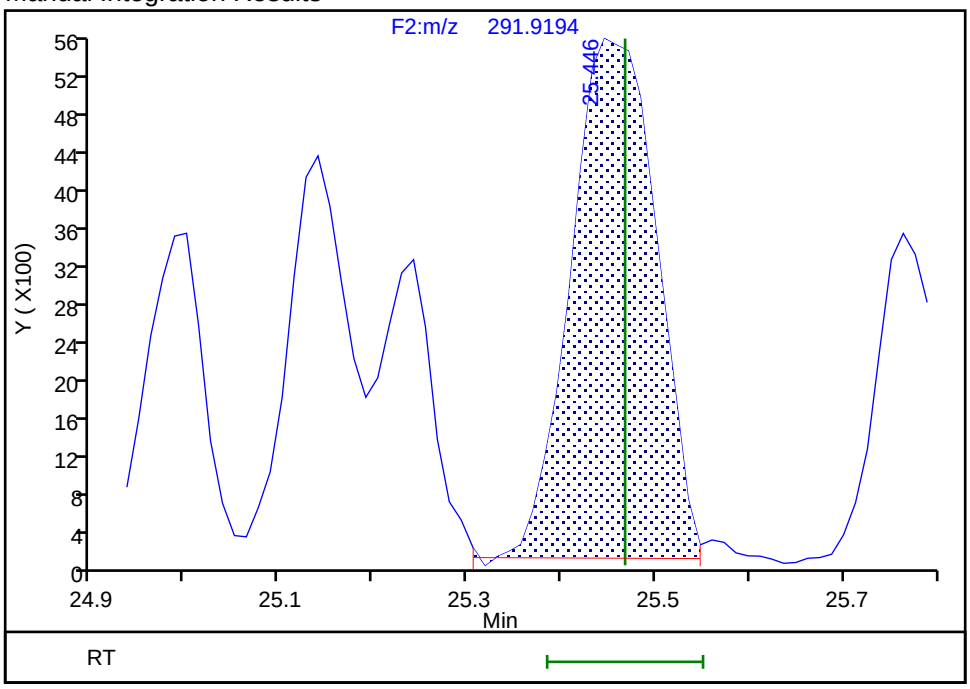
Processing Integration Results

RT: 25.45
Area: 46100
Amount: 1.197280
Amount Units: pg/ul




Manual Integration Results

RT: 25.45
Area: 33980
Amount: 1.092232
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:58:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

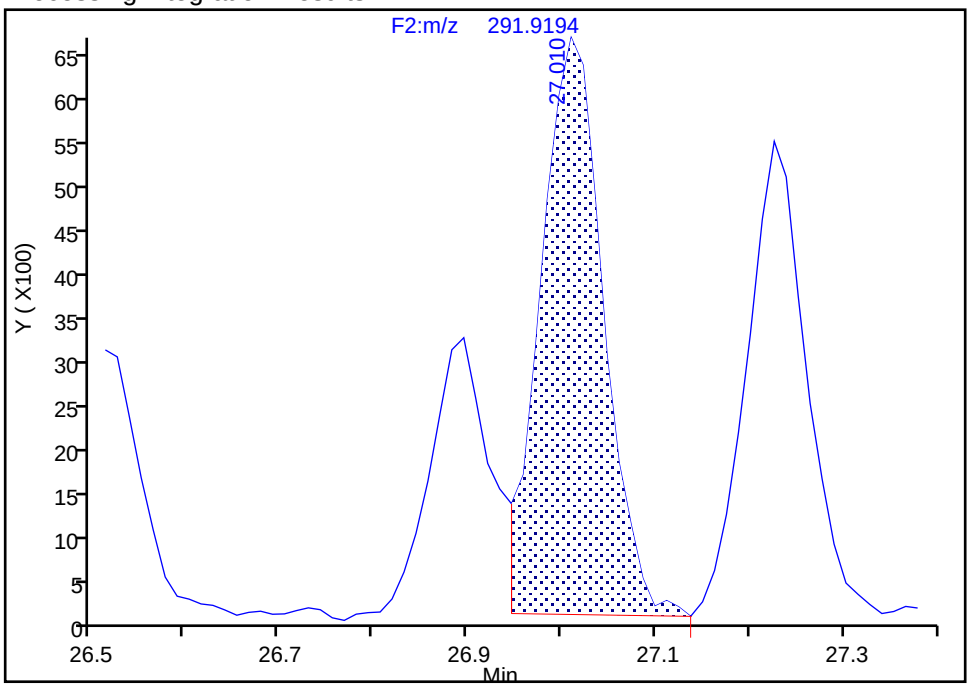
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

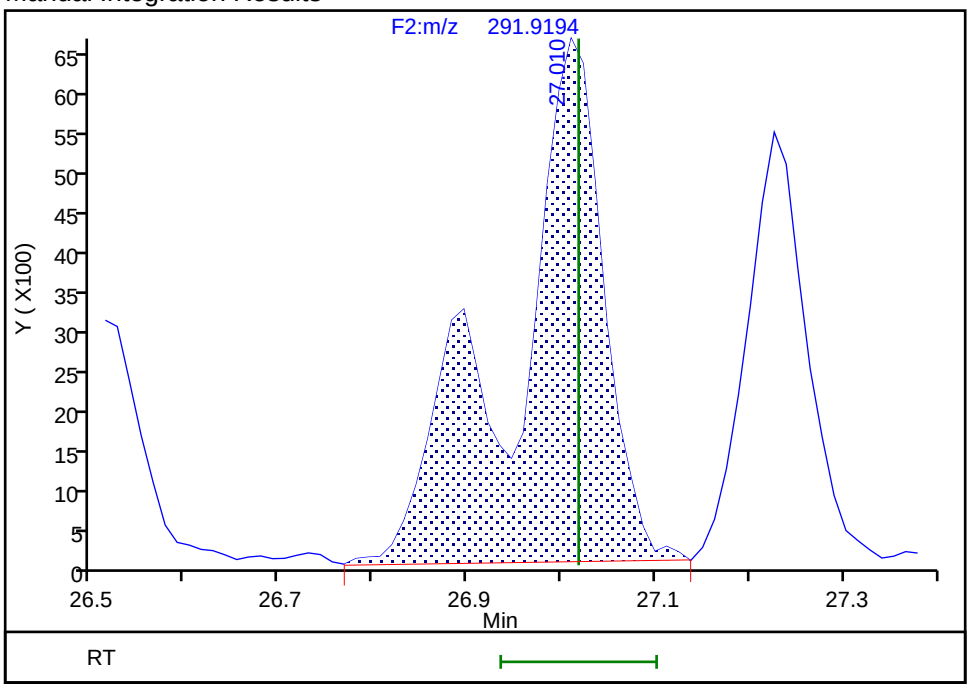
Processing Integration Results

RT: 27.01
Area: 30118
Amount: 1.627810
Amount Units: pg/ul




Manual Integration Results

RT: 27.01
Area: 44507
Amount: 1.701332
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:03:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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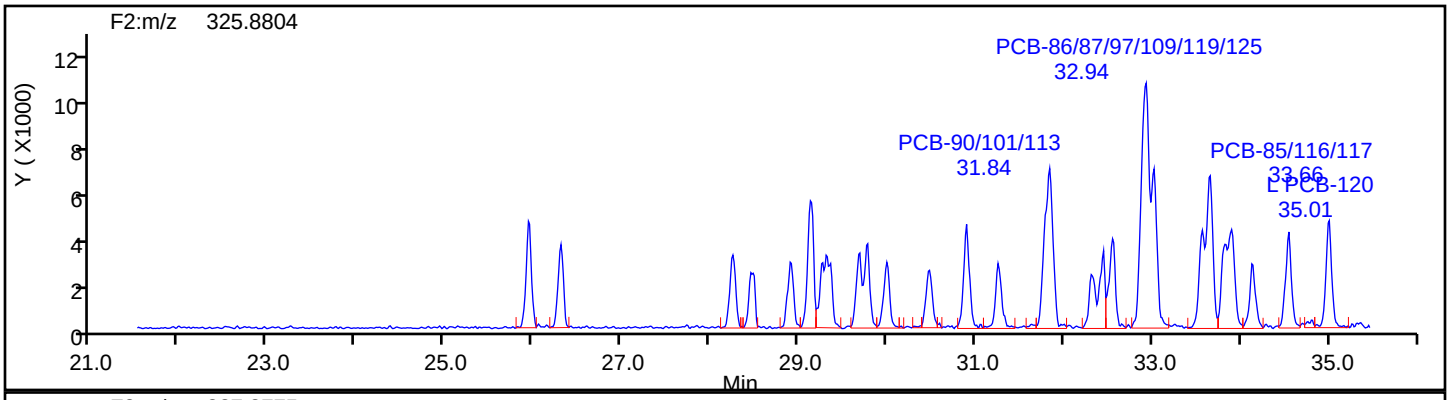
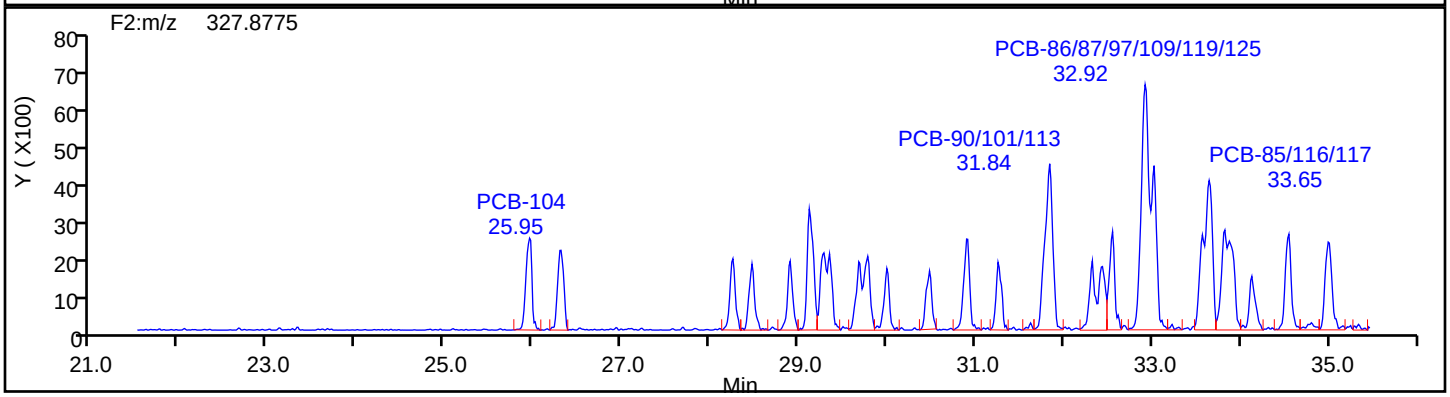
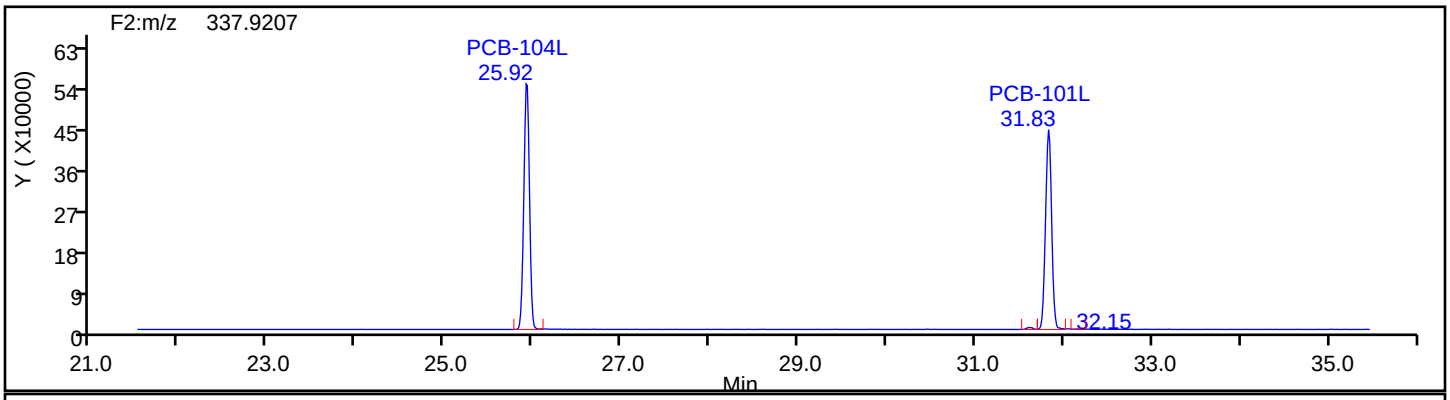
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

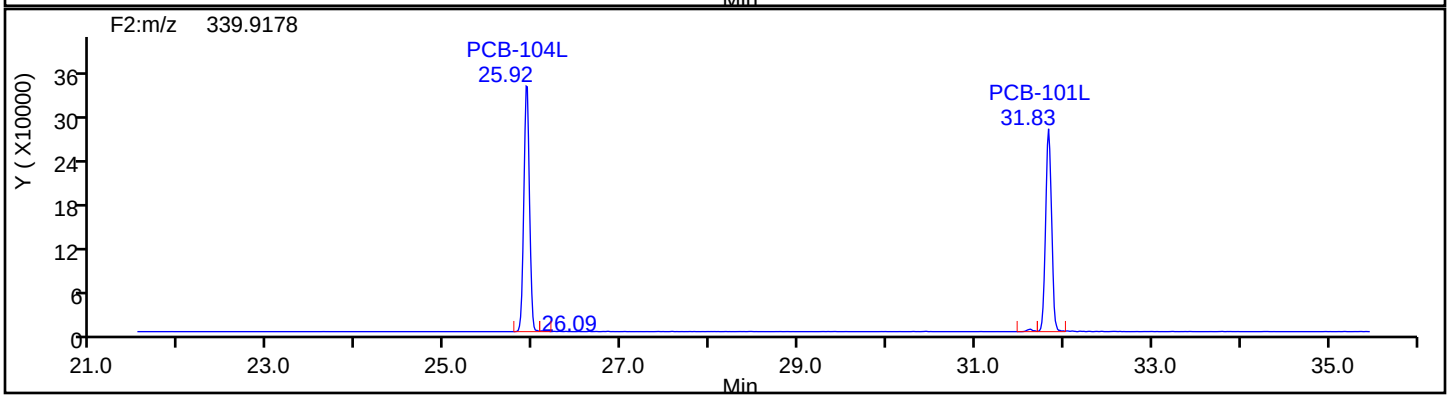
PePCB F2




PePCB F2 Standards

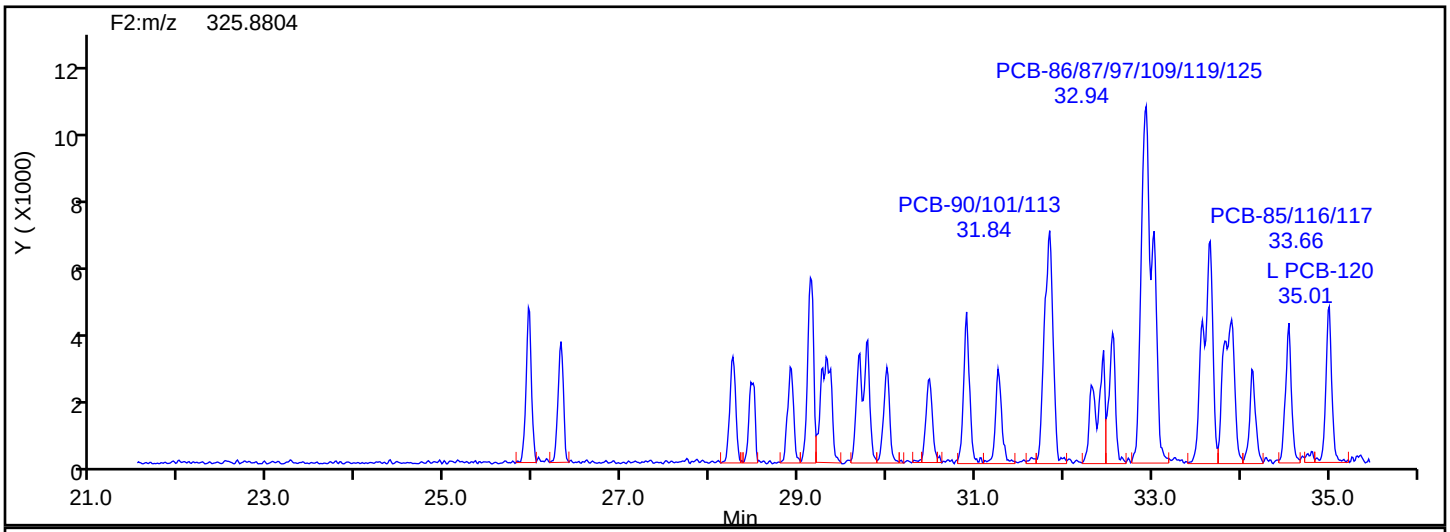


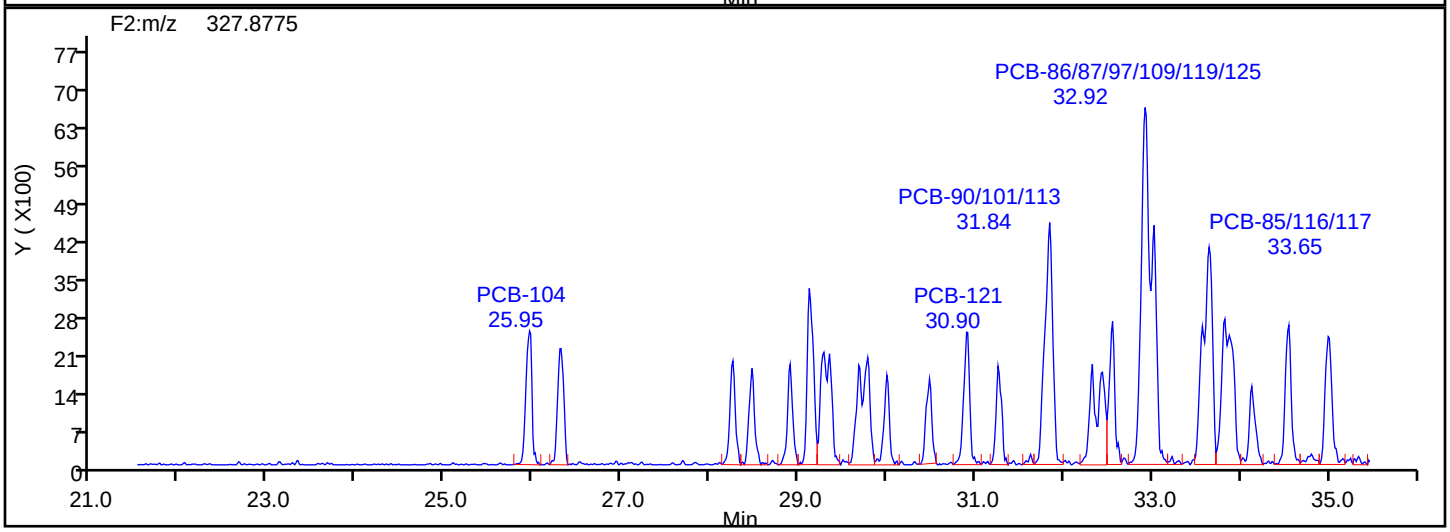



Eurofins TestAmerica, Knoxville

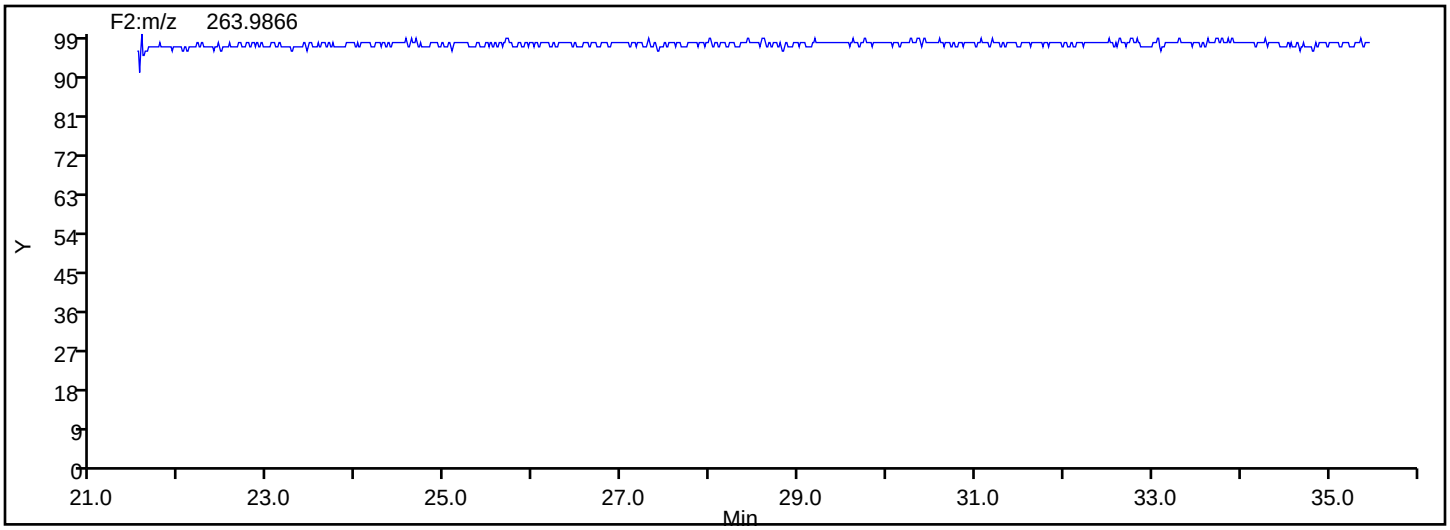
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

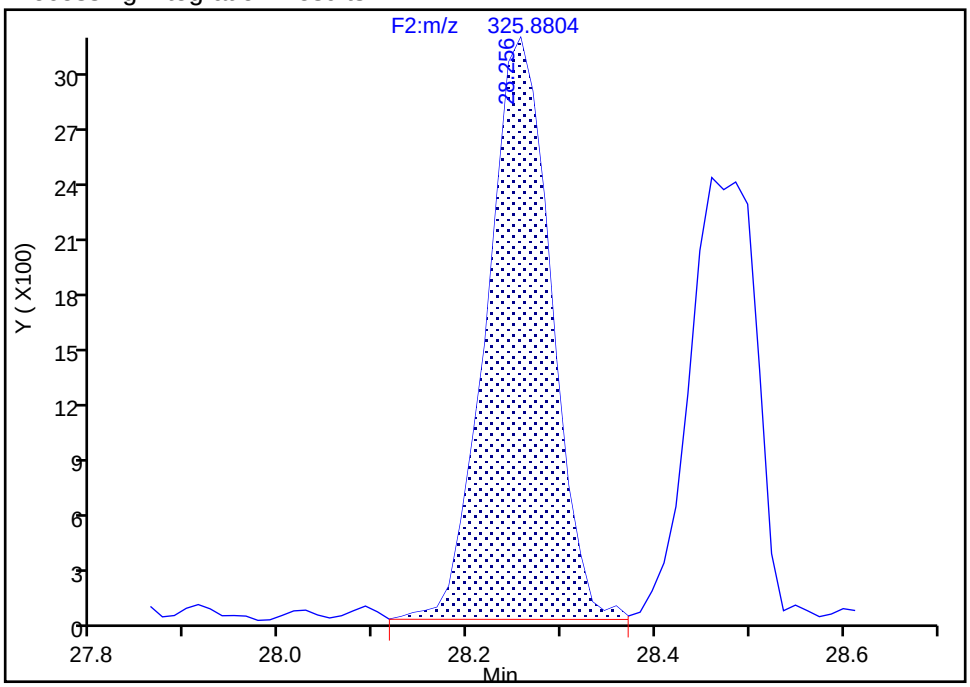
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-103, CAS: 60145-21-3

Signal: 1

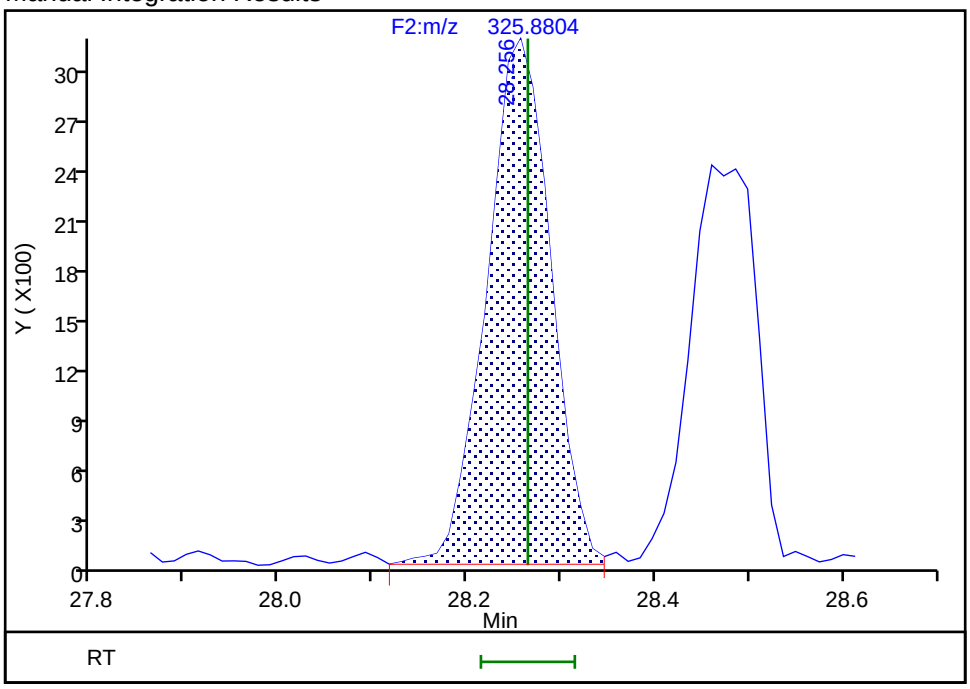
Processing Integration Results

RT: 28.26
Area: 14886
Amount: 0.561467
Amount Units: pg/ul




Manual Integration Results

RT: 28.26
Area: 14801
Amount: 0.568358
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:04:45

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

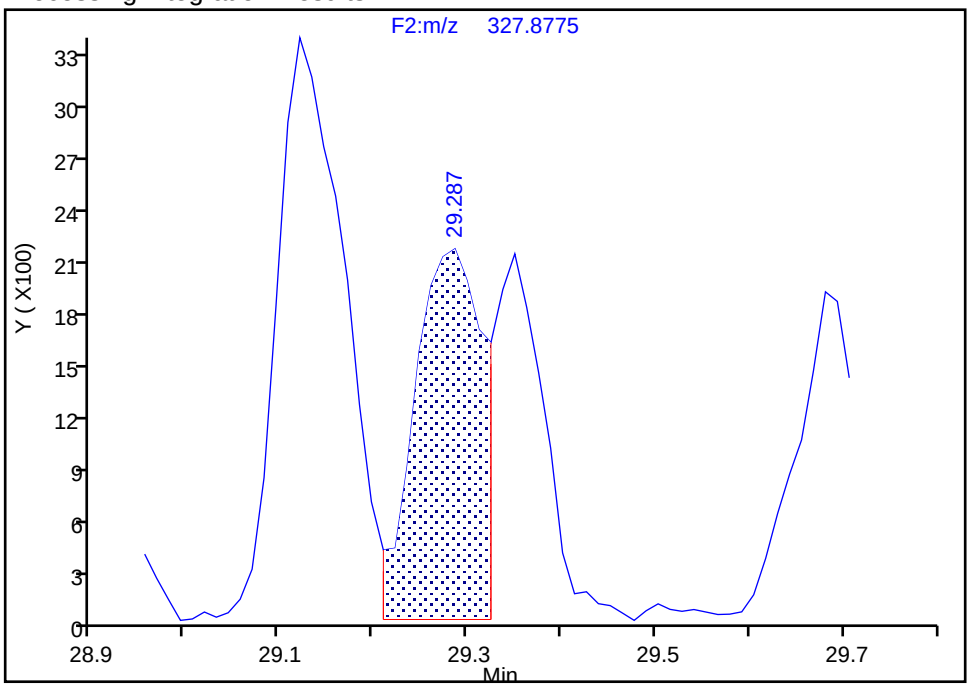
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 2

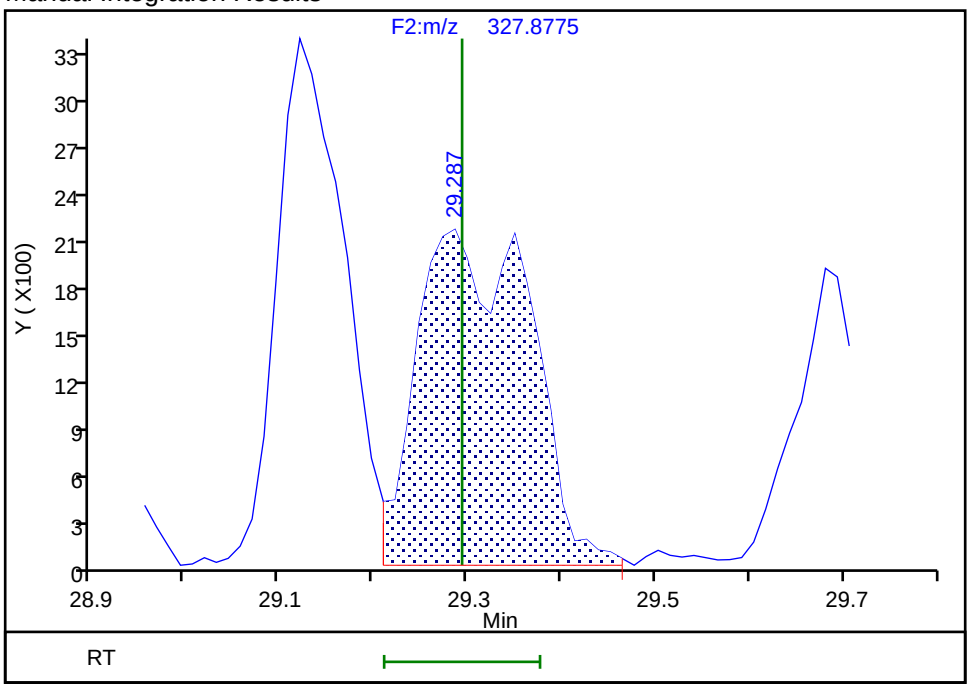
Processing Integration Results

RT: 29.29
Area: 10153
Amount: 0.771644
Amount Units: pg/ul




Manual Integration Results

RT: 29.29
Area: 17605
Amount: 1.136863
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:04:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

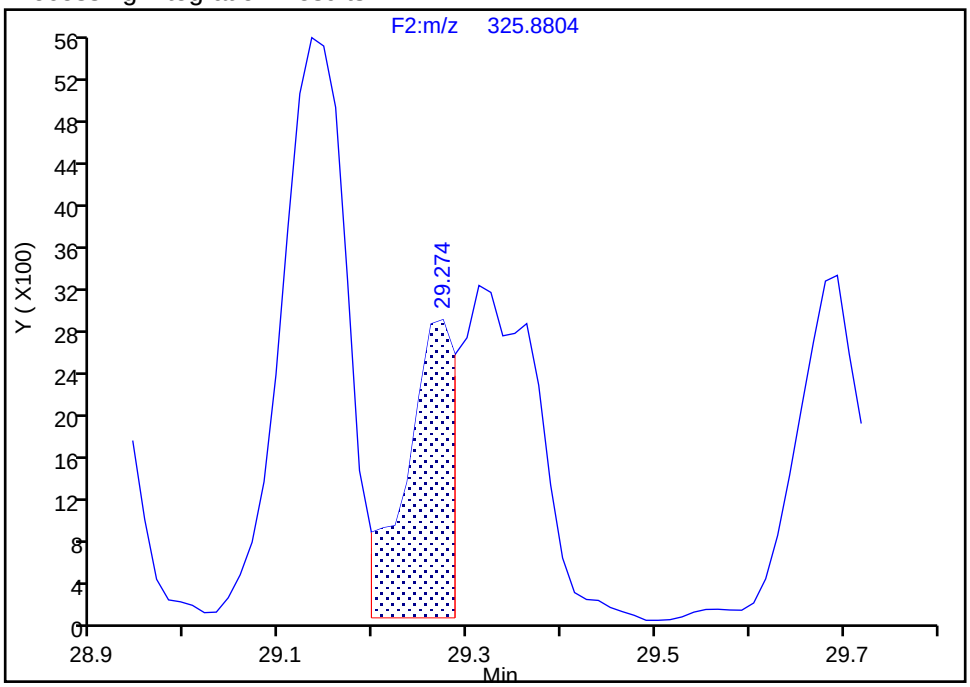
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

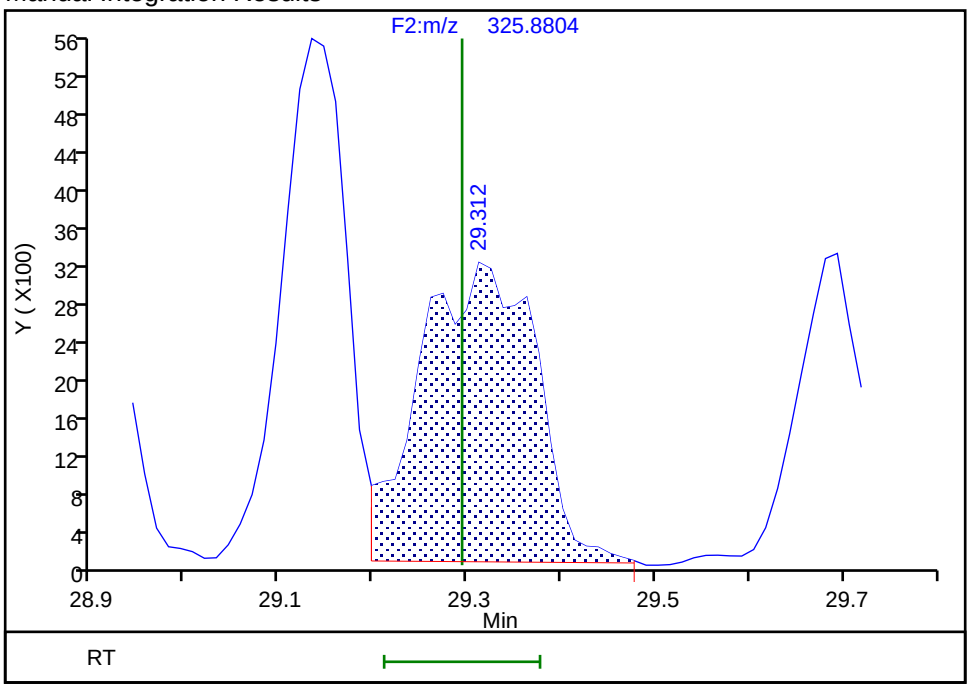
Processing Integration Results

RT: 29.27
Area: 9379
Amount: 0.771644
Amount Units: pg/ul




Manual Integration Results

RT: 29.31
Area: 26696
Amount: 1.136863
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:04:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

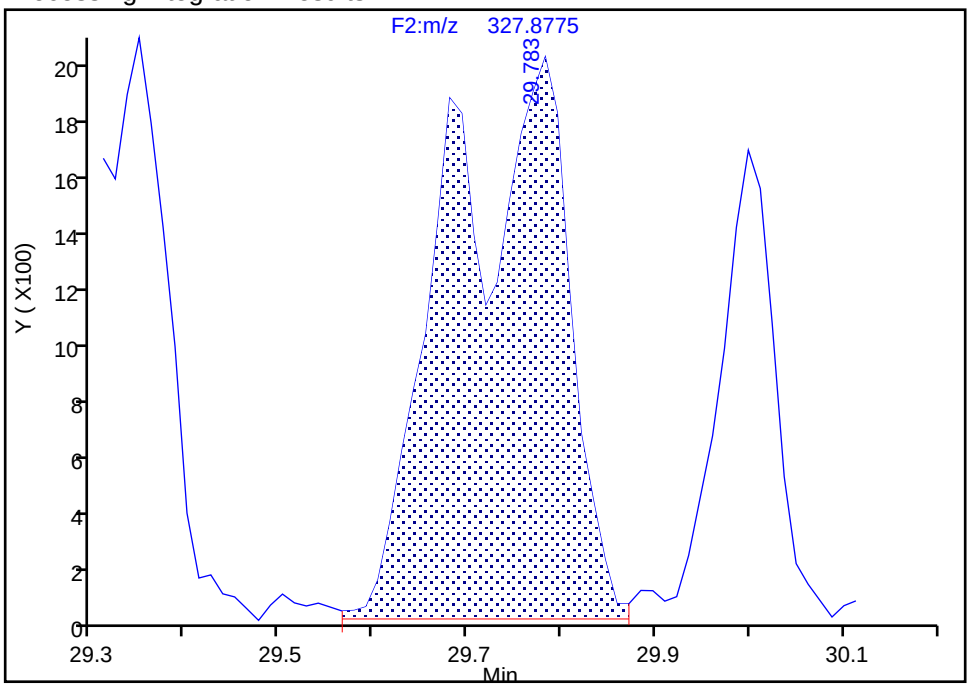
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 2

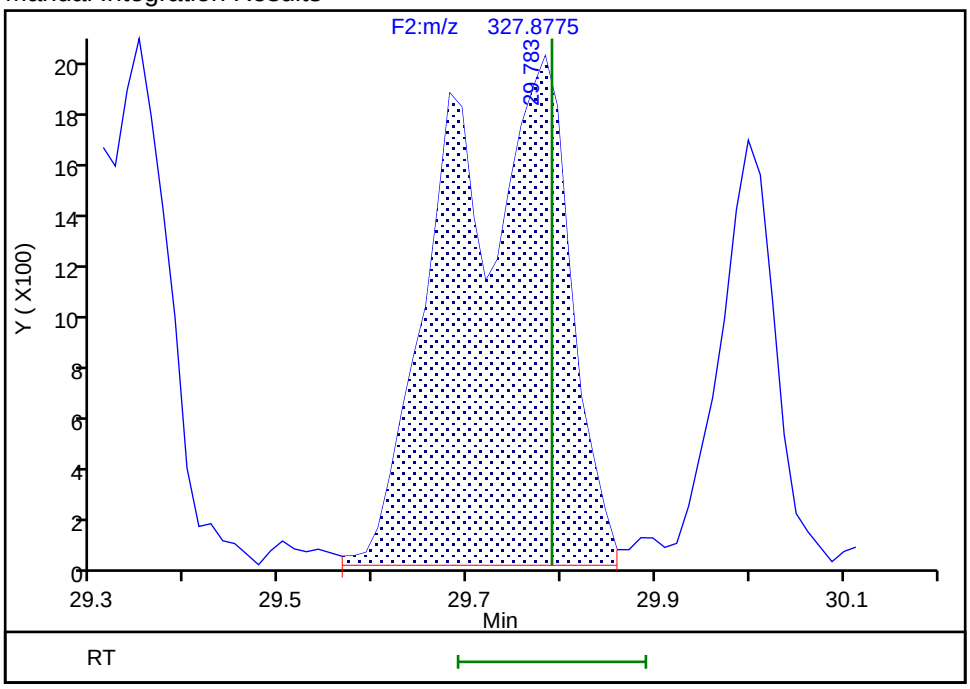
Processing Integration Results

RT: 29.78
Area: 17612
Amount: 1.110302
Amount Units: pg/ul




Manual Integration Results

RT: 29.78
Area: 17694
Amount: 1.189254
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:29:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

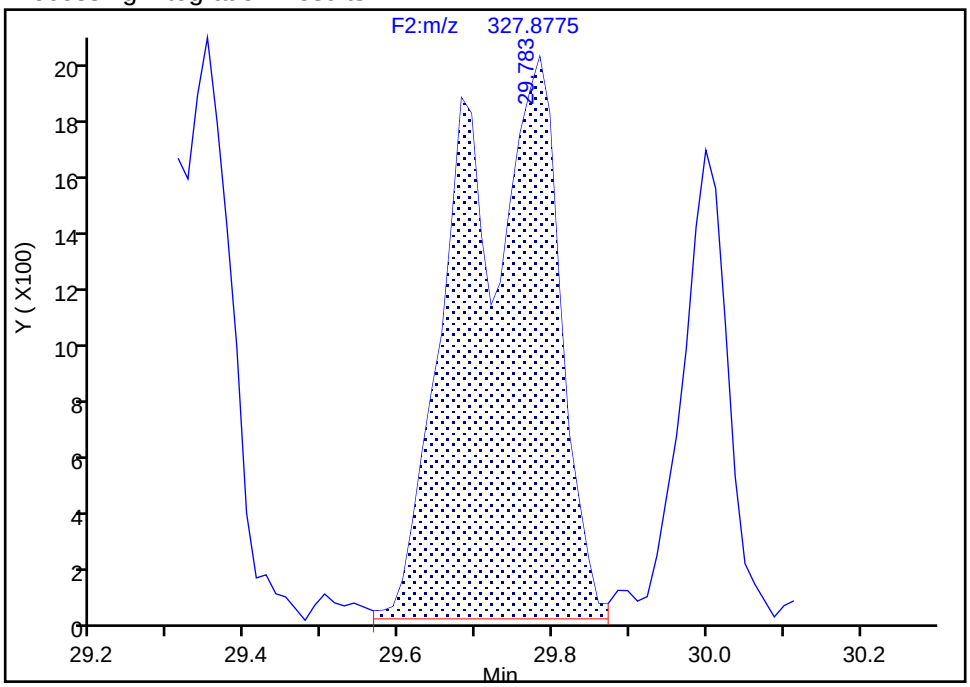
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 3

Processing Integration Results

RT: 29.78
Area: 47030
Amount: 1.110302
Amount Units: pg/ul




Manual Integration Results

RT: 29.78
Area: 47112
Amount: 1.189254
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:29:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

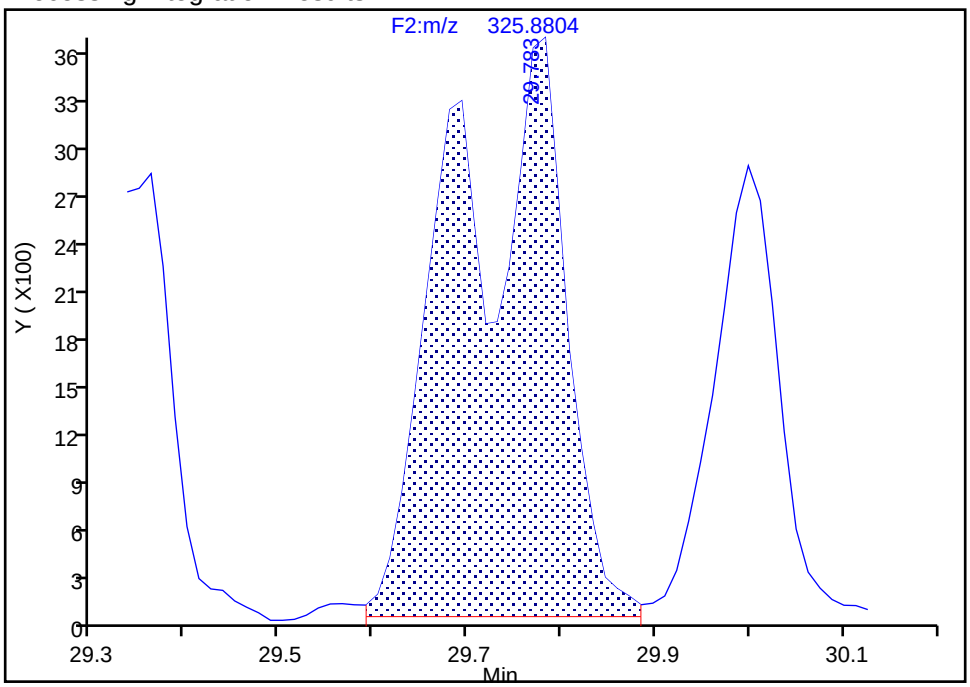
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

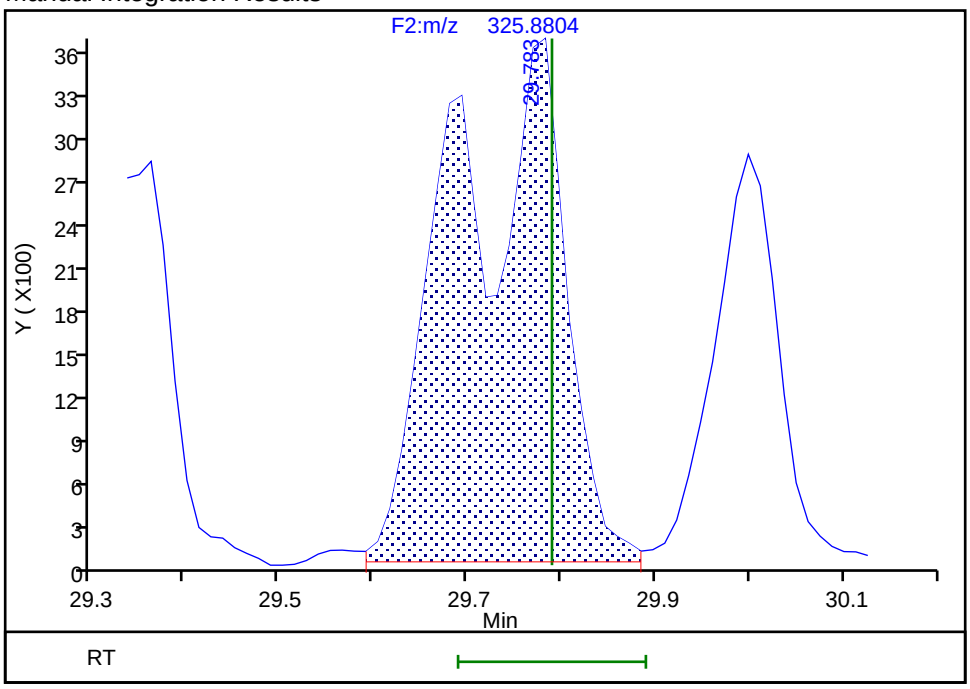
Processing Integration Results

RT: 29.78
Area: 29418
Amount: 1.110302
Amount Units: pg/ul




Manual Integration Results

RT: 29.78
Area: 29418
Amount: 1.189254
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:29:43

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

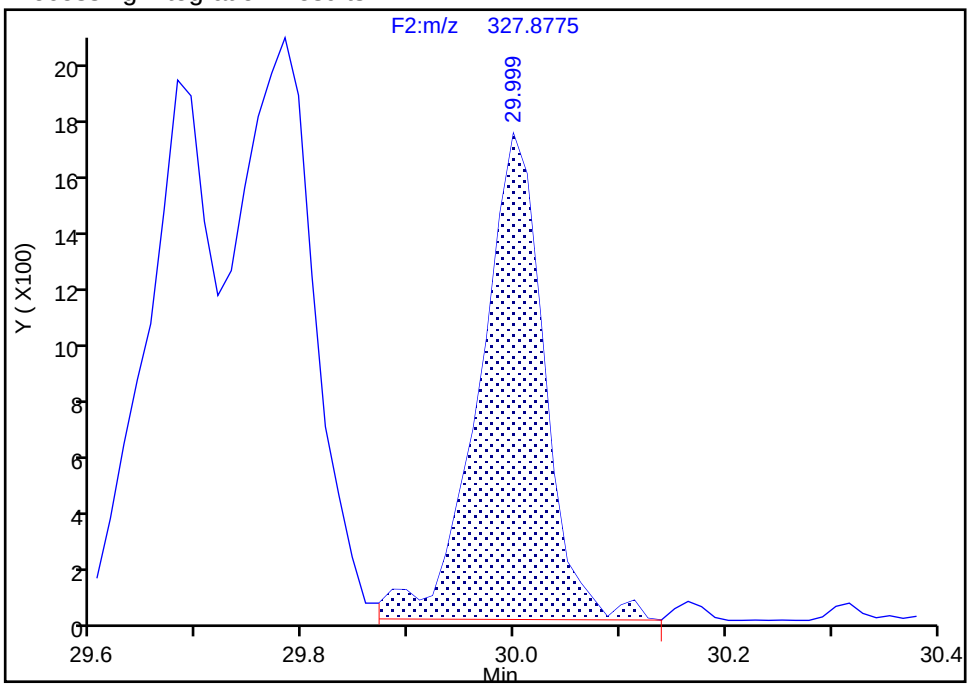
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-84, CAS: 52663-60-2

Signal: 2

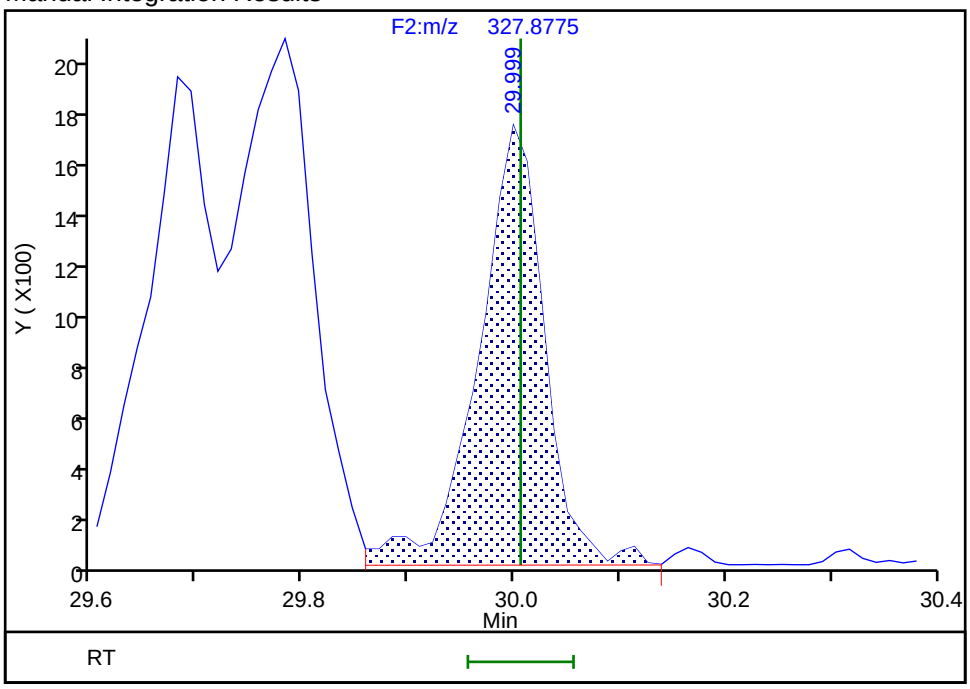
Processing Integration Results

RT: 30.00
Area: 7098
Amount: 0.603543
Amount Units: pg/ul




Manual Integration Results

RT: 30.00
Area: 7216
Amount: 0.612987
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:29:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

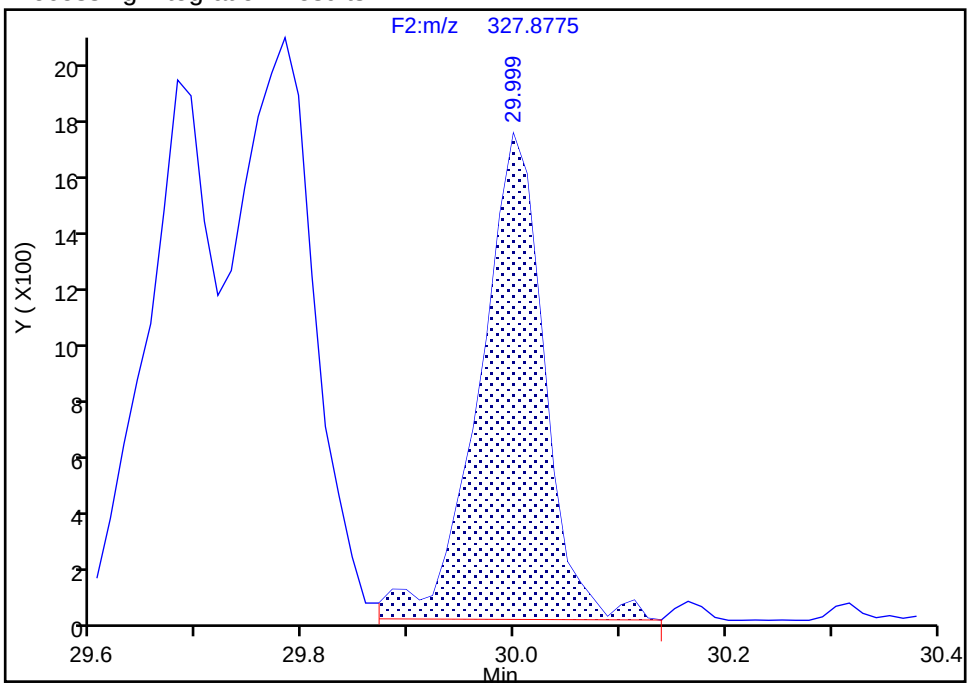
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-84, CAS: 52663-60-2

Signal: 3

Processing Integration Results

RT: 30.00
Area: 20799
Amount: 0.603543
Amount Units: pg/ul




Manual Integration Results

RT: 30.00
Area: 20778
Amount: 0.612987
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:29:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

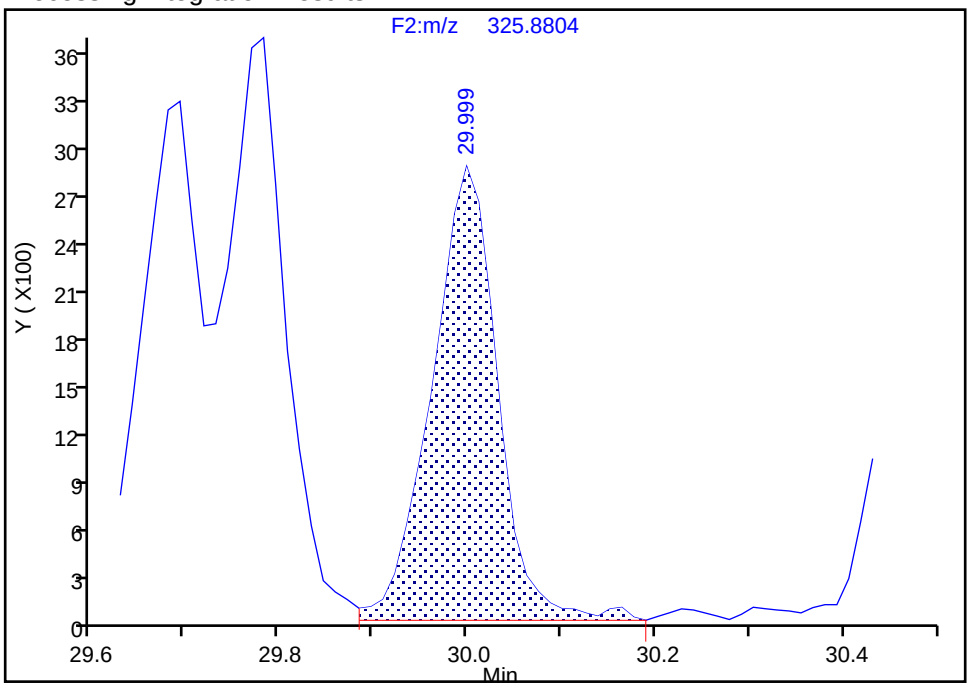
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-84, CAS: 52663-60-2

Signal: 1

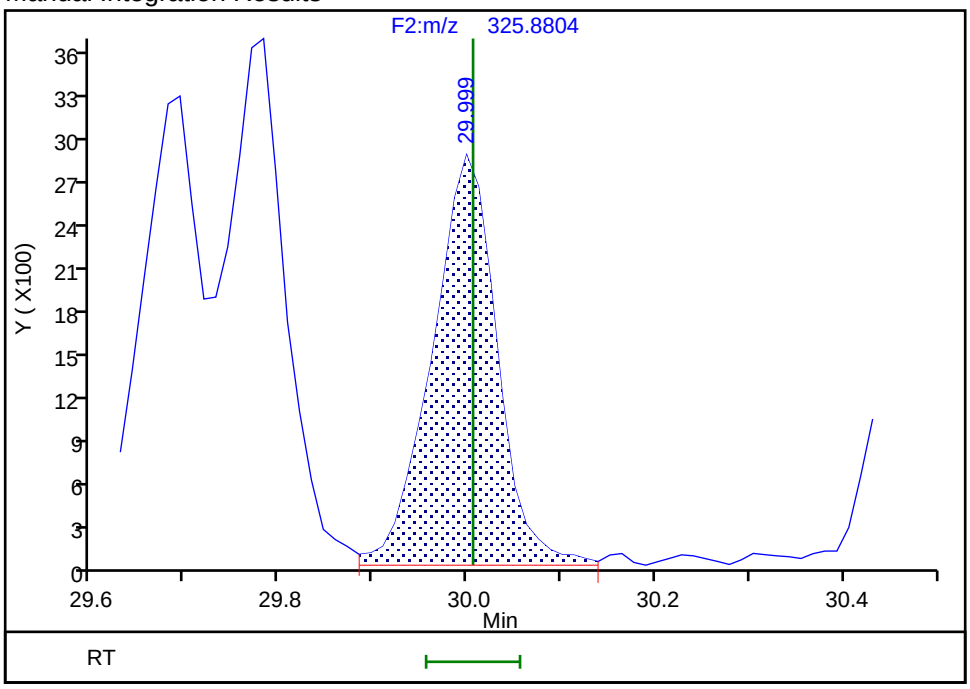
Processing Integration Results

RT: 30.00
Area: 13701
Amount: 0.603543
Amount Units: pg/ul




Manual Integration Results

RT: 30.00
Area: 13562
Amount: 0.612987
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:29:38
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

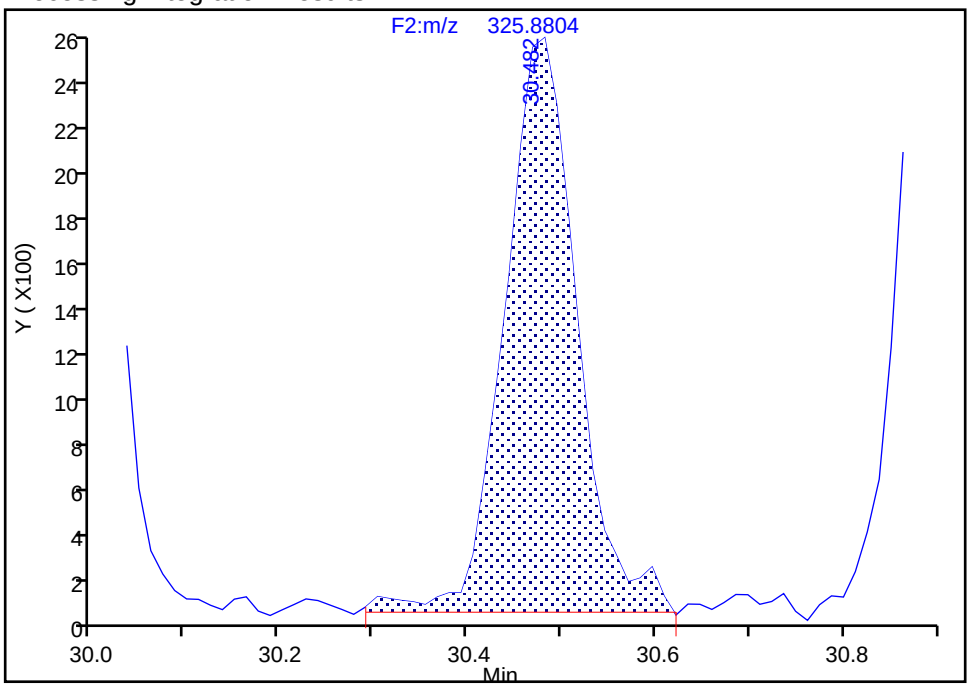
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 1

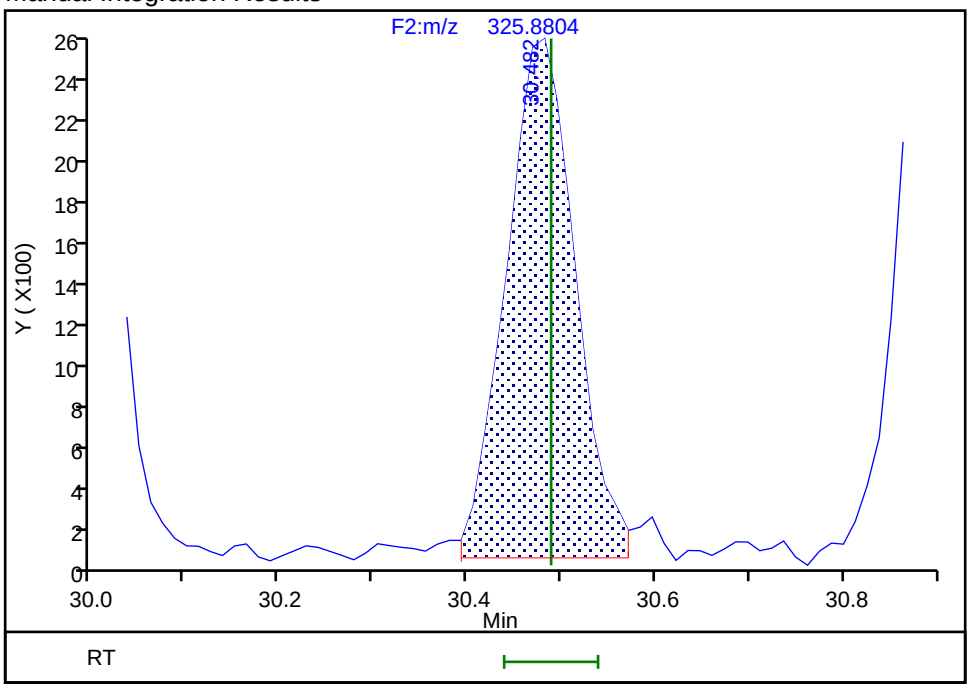
Processing Integration Results

RT: 30.48
Area: 13249
Amount: 0.571802
Amount Units: pg/ul




Manual Integration Results

RT: 30.48
Area: 12547
Amount: 0.560512
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:05:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

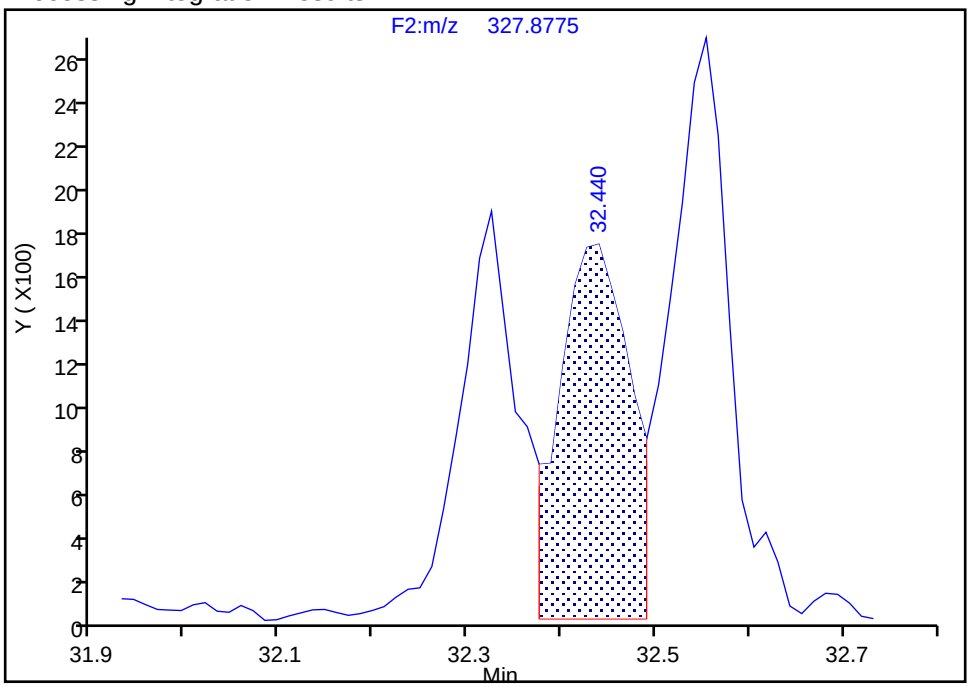
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-83/99, CAS: STL01809

Signal: 2

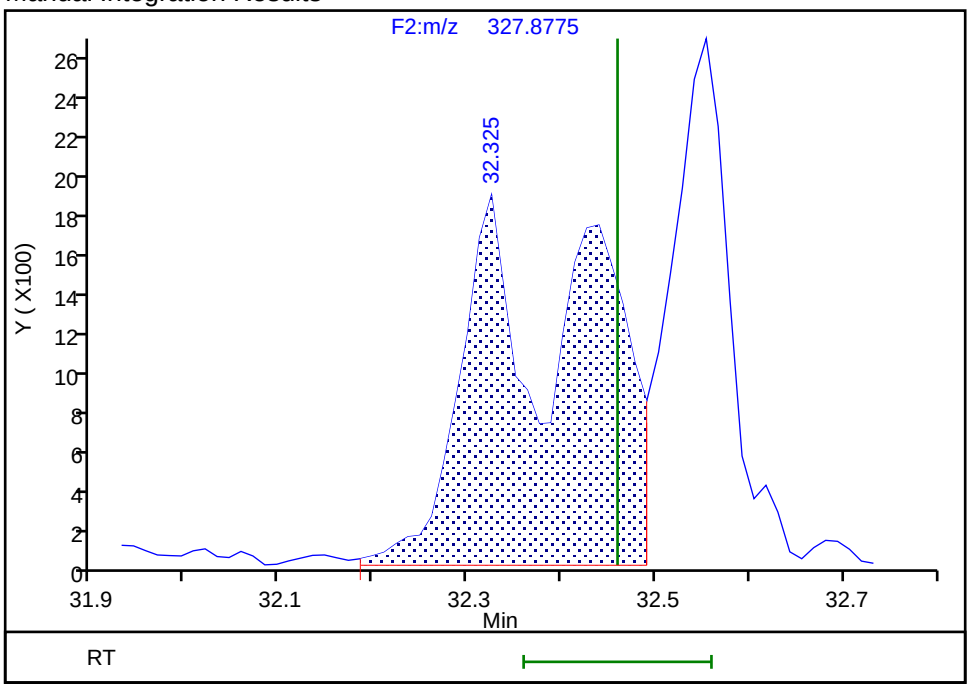
Processing Integration Results

RT: 32.44
Area: 8723
Amount: 1.032360
Amount Units: pg/ul




Manual Integration Results

RT: 32.33
Area: 16741
Amount: 1.121423
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:05:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

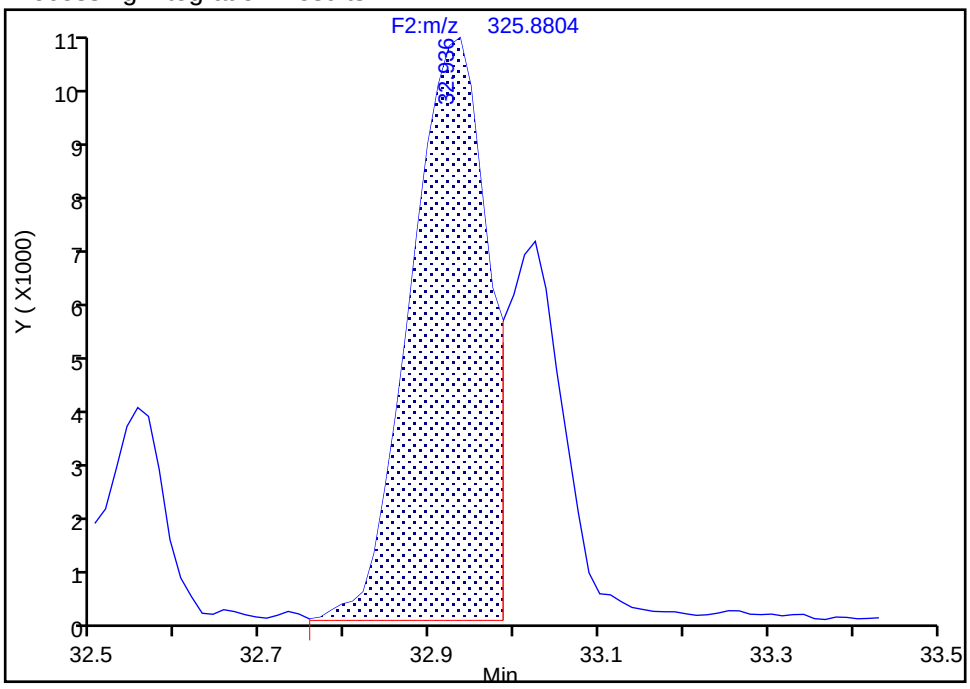
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

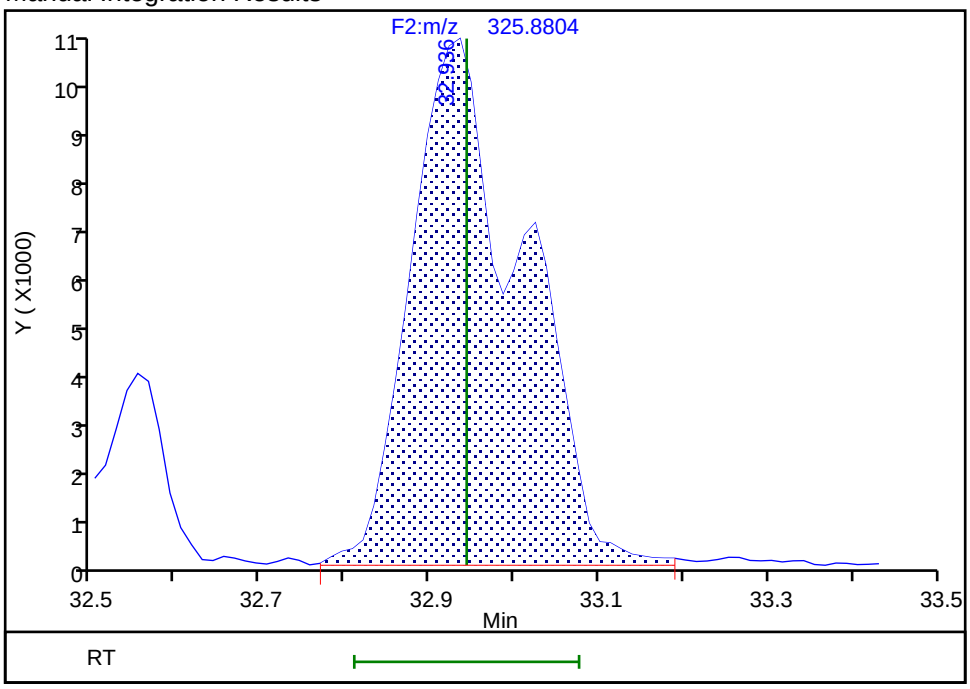
Processing Integration Results

RT: 32.94
Area: 65859
Amount: 3.264312
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 96439
Amount: 3.269700
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:06:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

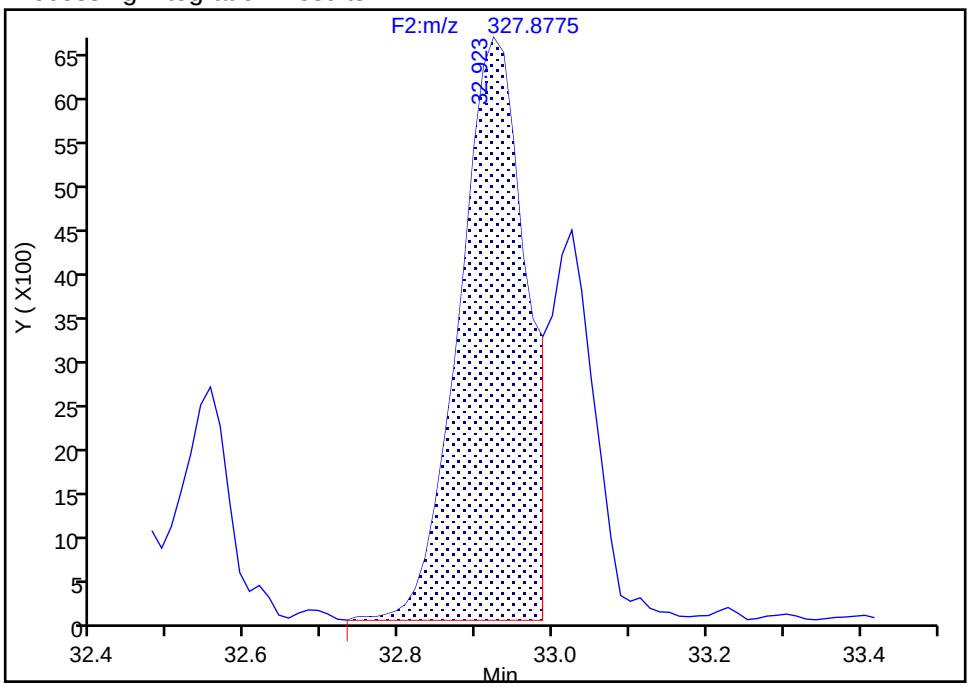
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

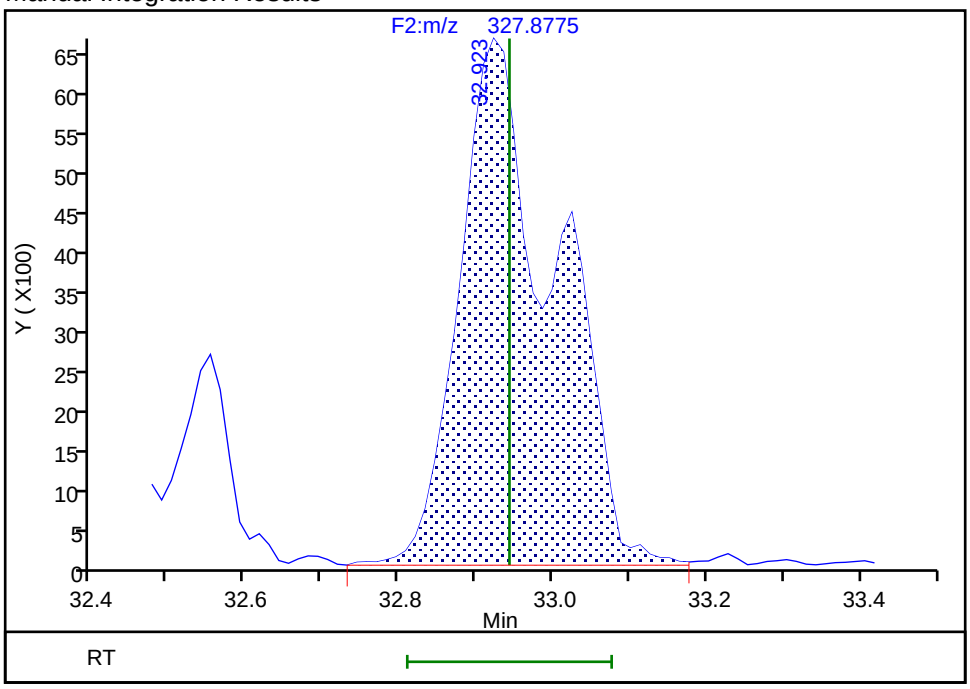
Processing Integration Results

RT: 32.92
Area: 39263
Amount: 3.264312
Amount Units: pg/ul




Manual Integration Results

RT: 32.92
Area: 57642
Amount: 3.269700
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:06:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

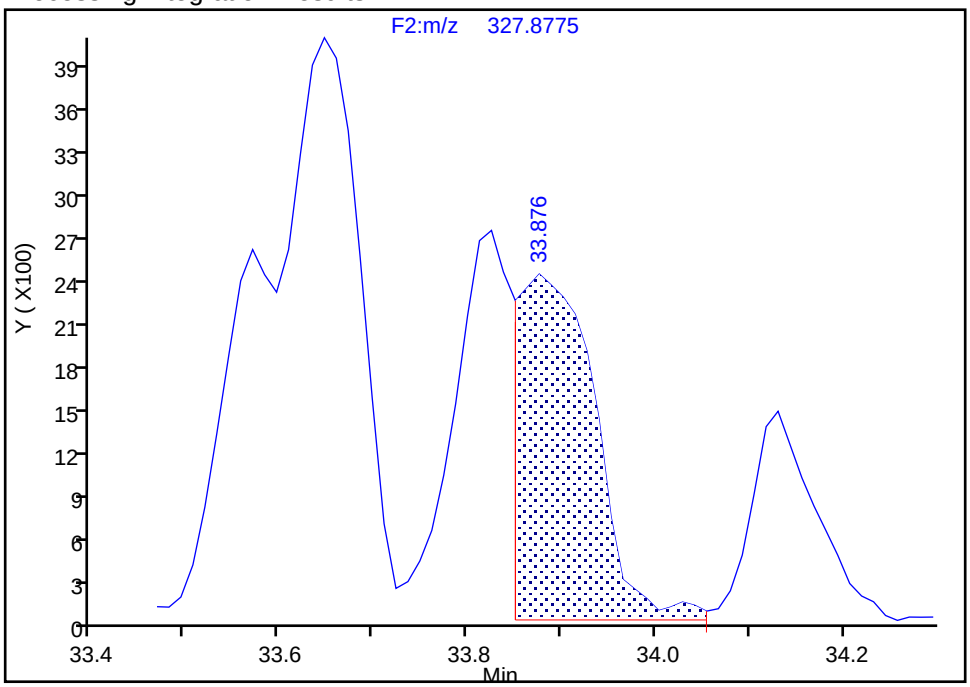
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 2

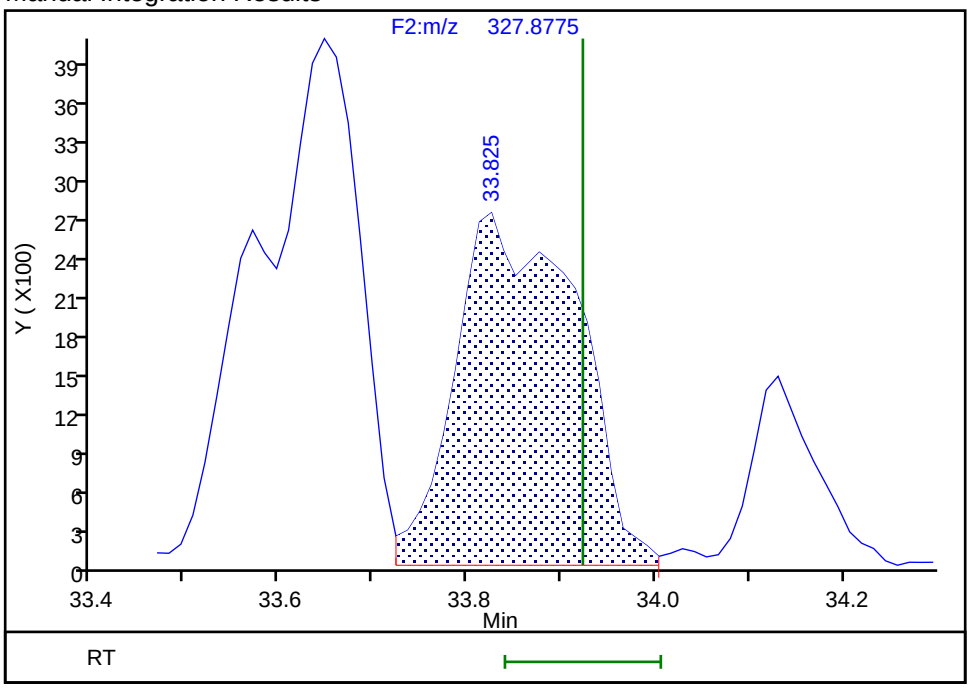
Processing Integration Results

RT: 33.88
Area: 13383
Amount: 1.099353
Amount Units: pg/ul




Manual Integration Results

RT: 33.83
Area: 24498
Amount: 1.177285
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:30:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

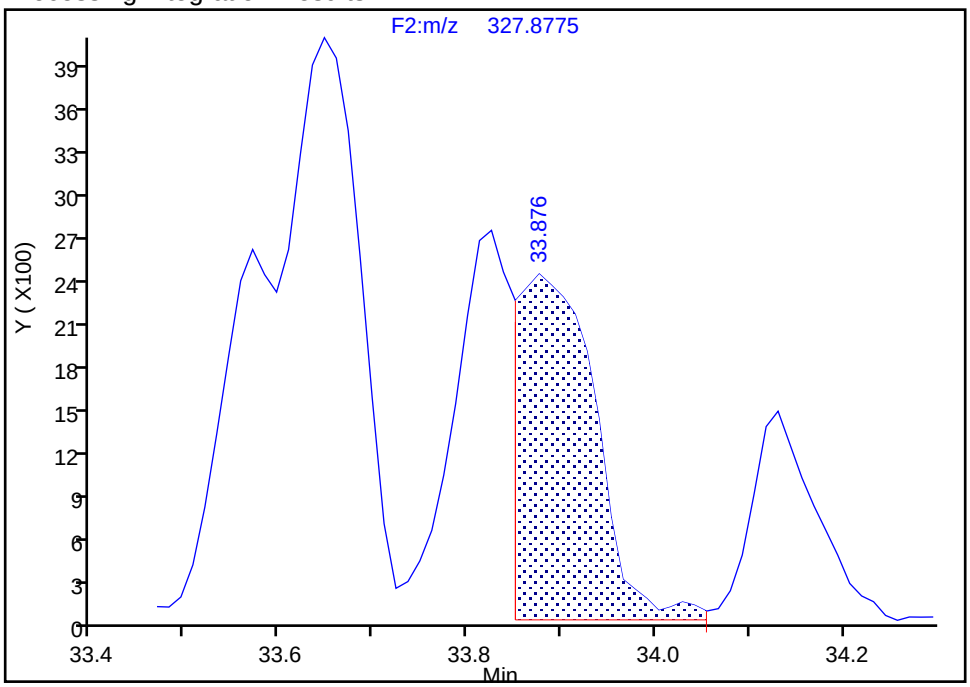
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 3

Processing Integration Results

RT: 33.90
Area: 51569
Amount: 1.099353
Amount Units: pg/ul




Manual Integration Results

RT: 33.90
Area: 62684
Amount: 1.177285
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:30:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

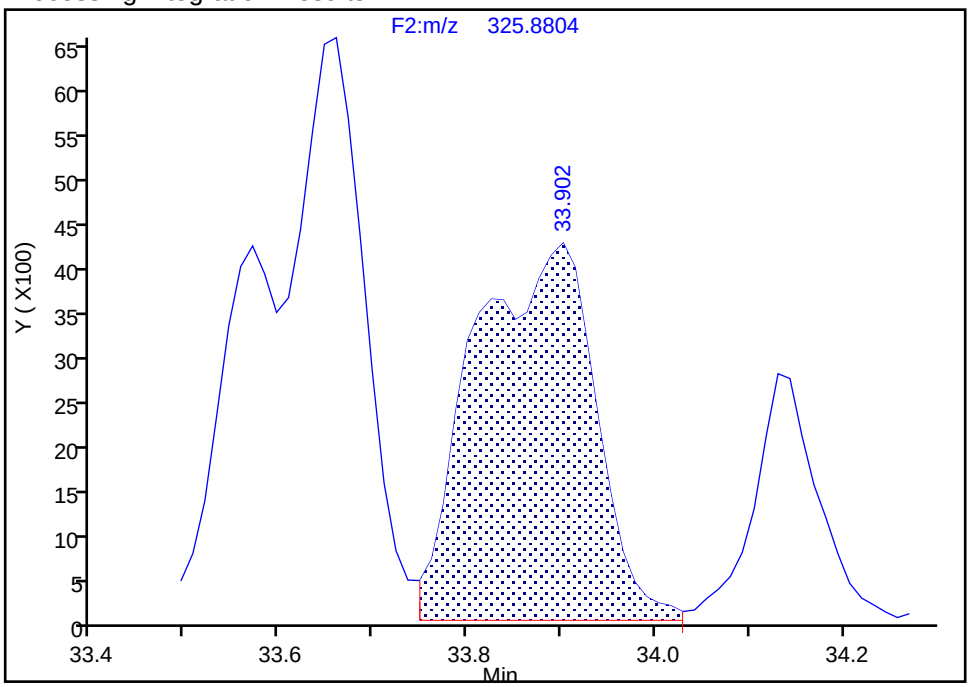
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

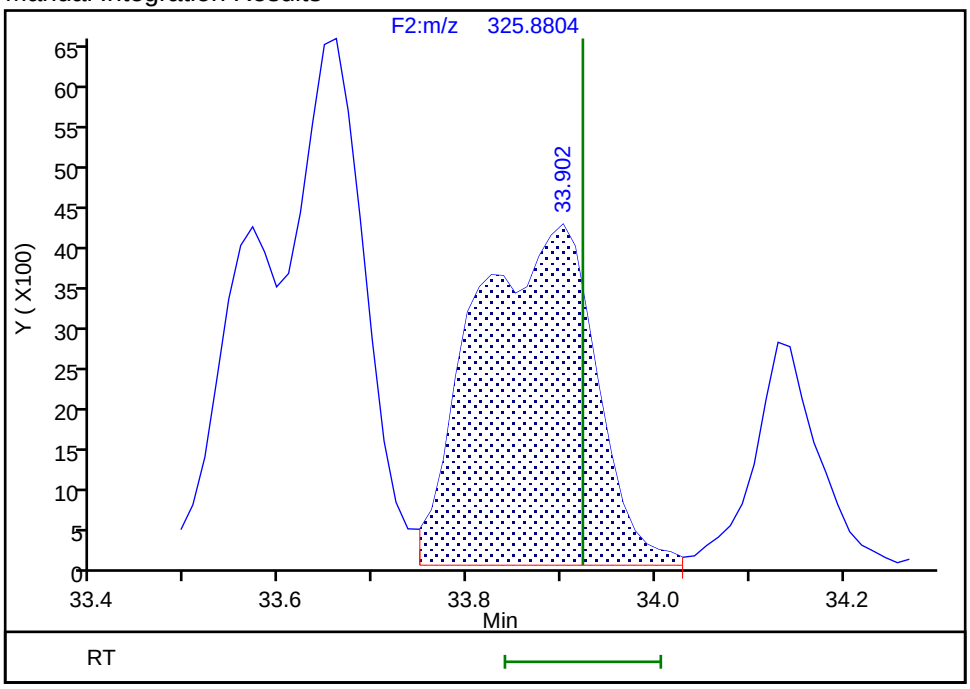
Processing Integration Results

RT: 33.90
Area: 38186
Amount: 1.099353
Amount Units: pg/ul




Manual Integration Results

RT: 33.90
Area: 38186
Amount: 1.177285
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:30:50

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

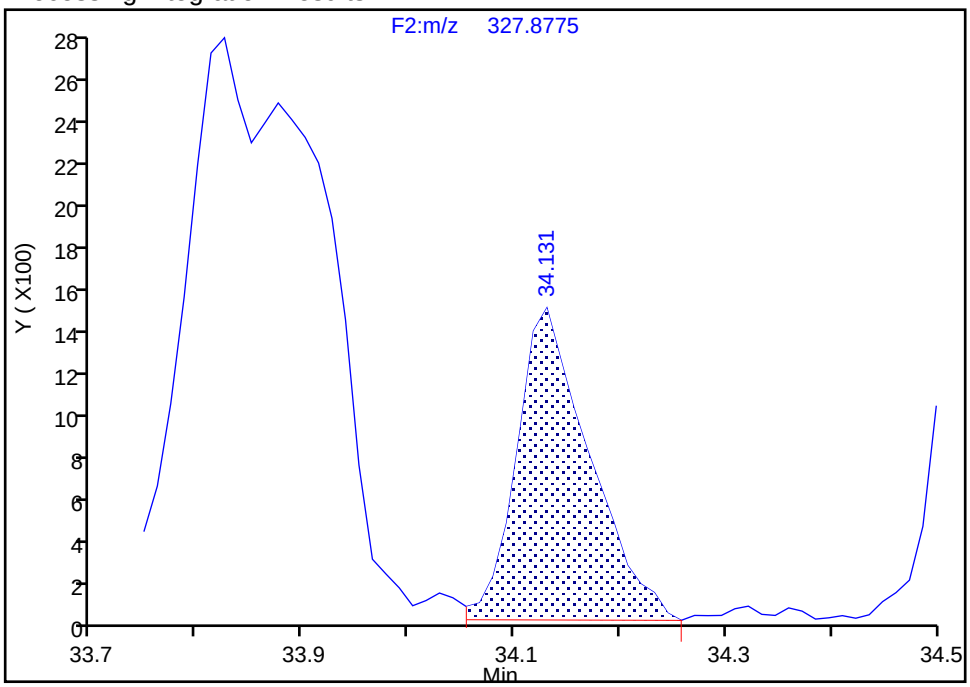
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-82, CAS: 52663-62-4

Signal: 2

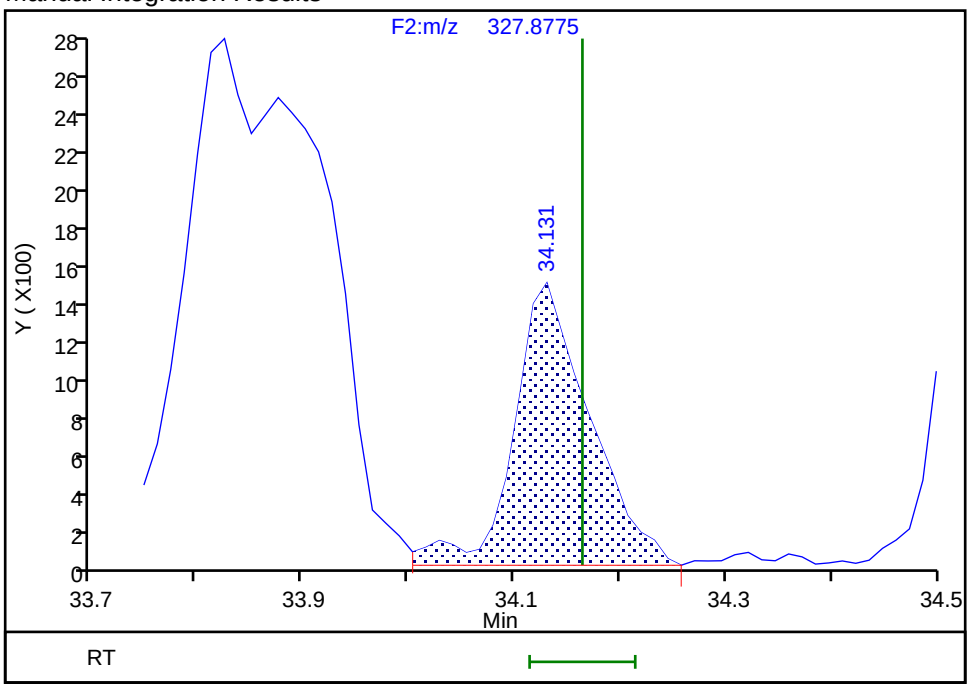
Processing Integration Results

RT: 34.13
Area: 6932
Amount: 0.588353
Amount Units: pg/ul




Manual Integration Results

RT: 34.13
Area: 7248
Amount: 0.597509
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:30:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

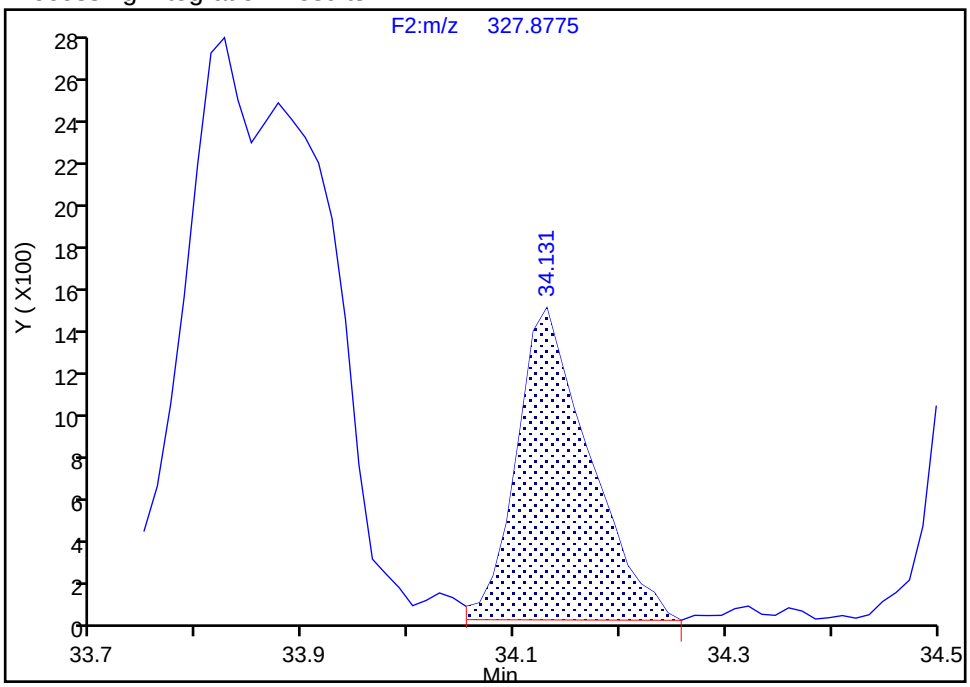
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-82, CAS: 52663-62-4

Signal: 3

Processing Integration Results

RT: 34.13
Area: 20111
Amount: 0.588353
Amount Units: pg/ul




Manual Integration Results

RT: 34.13
Area: 20427
Amount: 0.597509
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:30:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

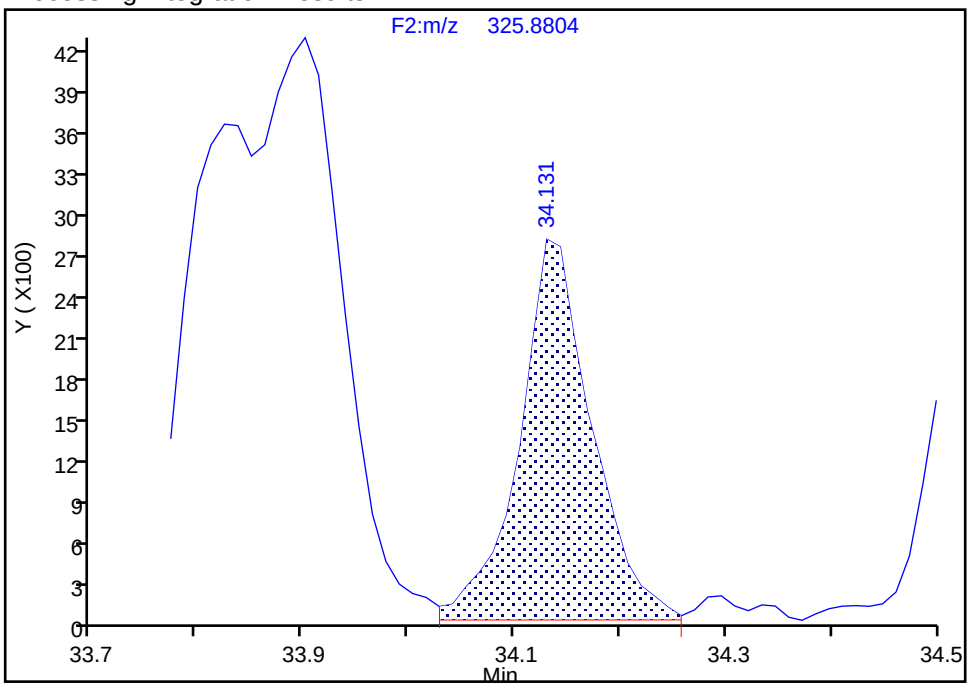
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-82, CAS: 52663-62-4

Signal: 1

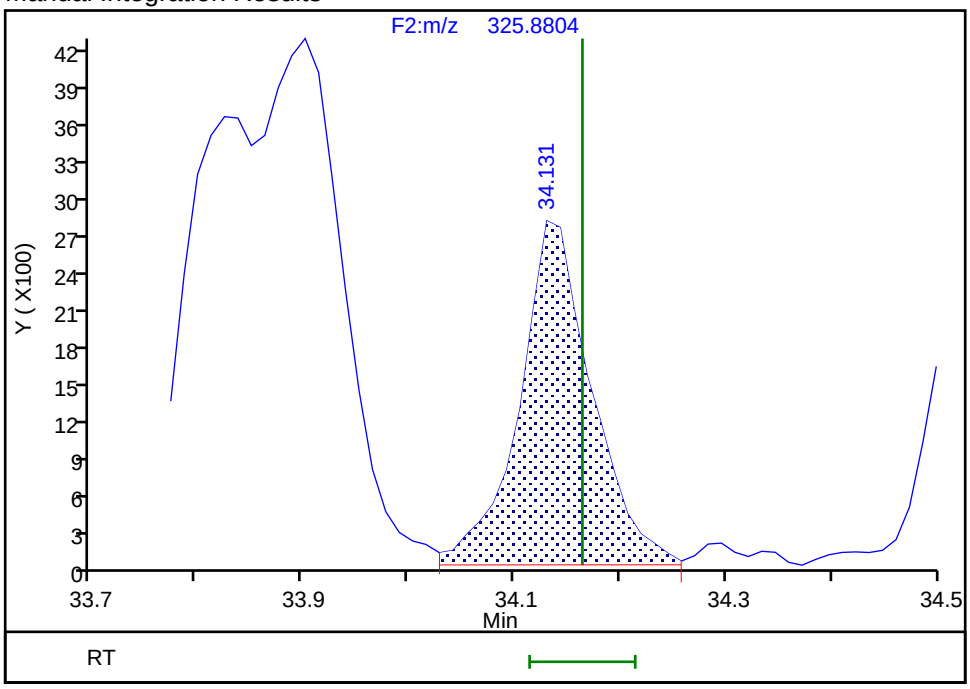
Processing Integration Results

RT: 34.13
Area: 13179
Amount: 0.588353
Amount Units: pg/ul




Manual Integration Results

RT: 34.13
Area: 13179
Amount: 0.597509
Amount Units: pg/ul



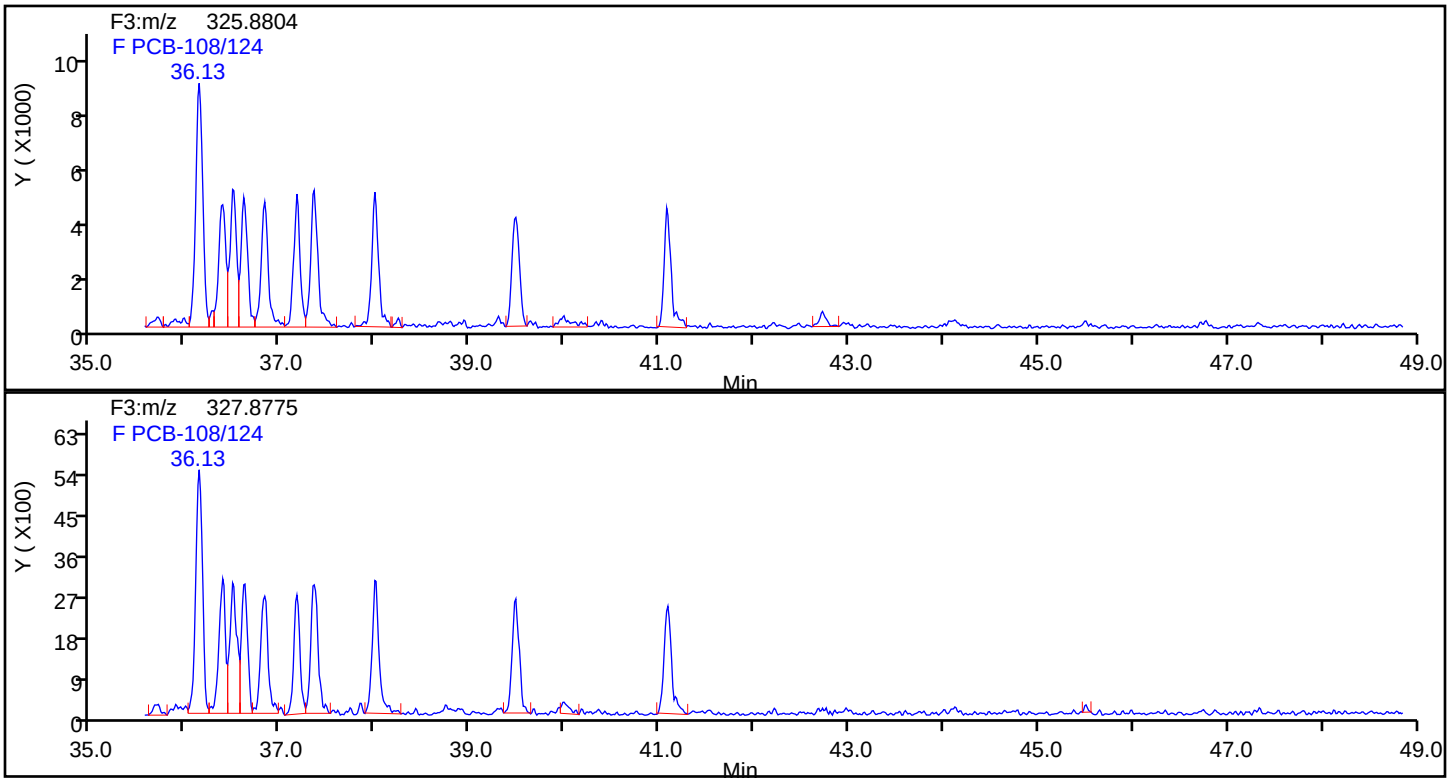

Reviewer: mcwhirterl, 21-Aug-2019 20:30:46

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

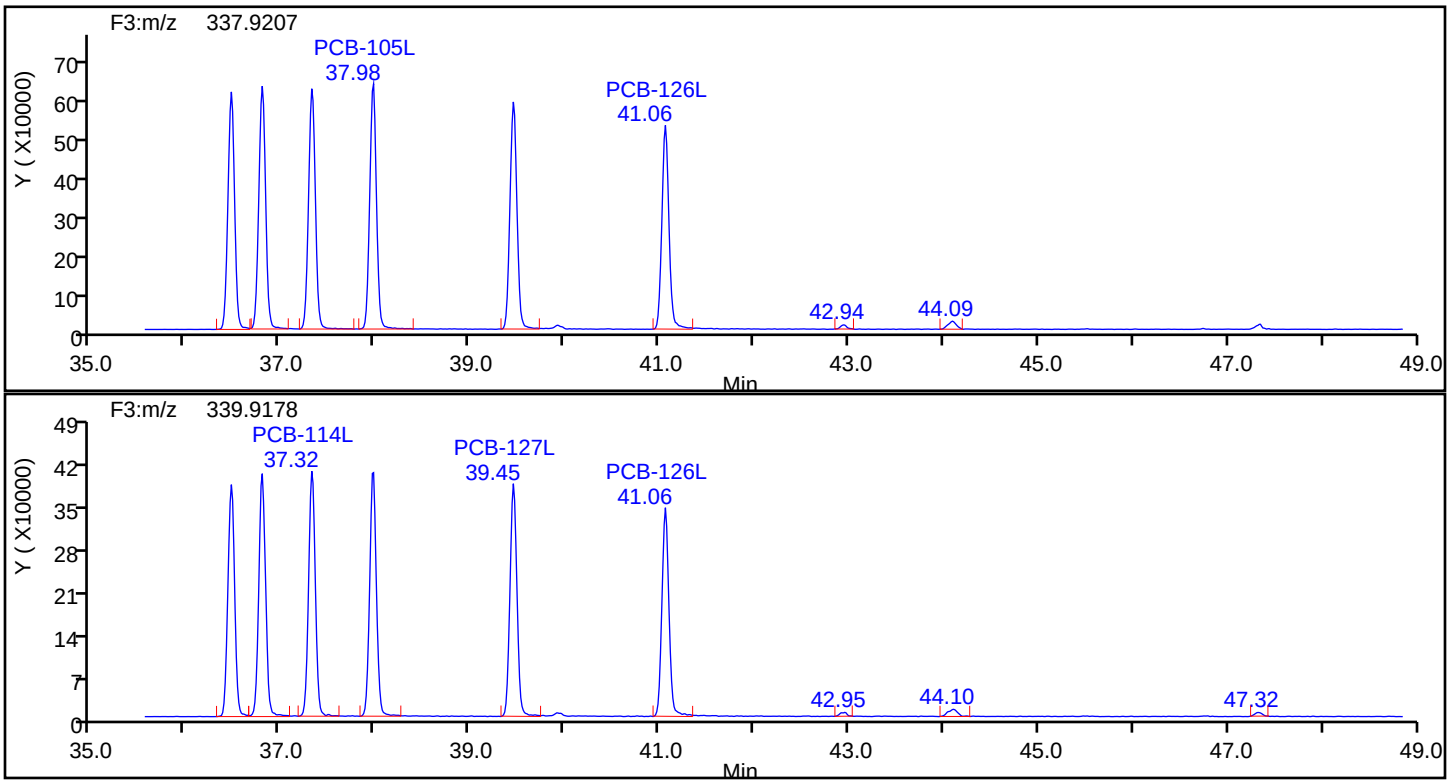
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



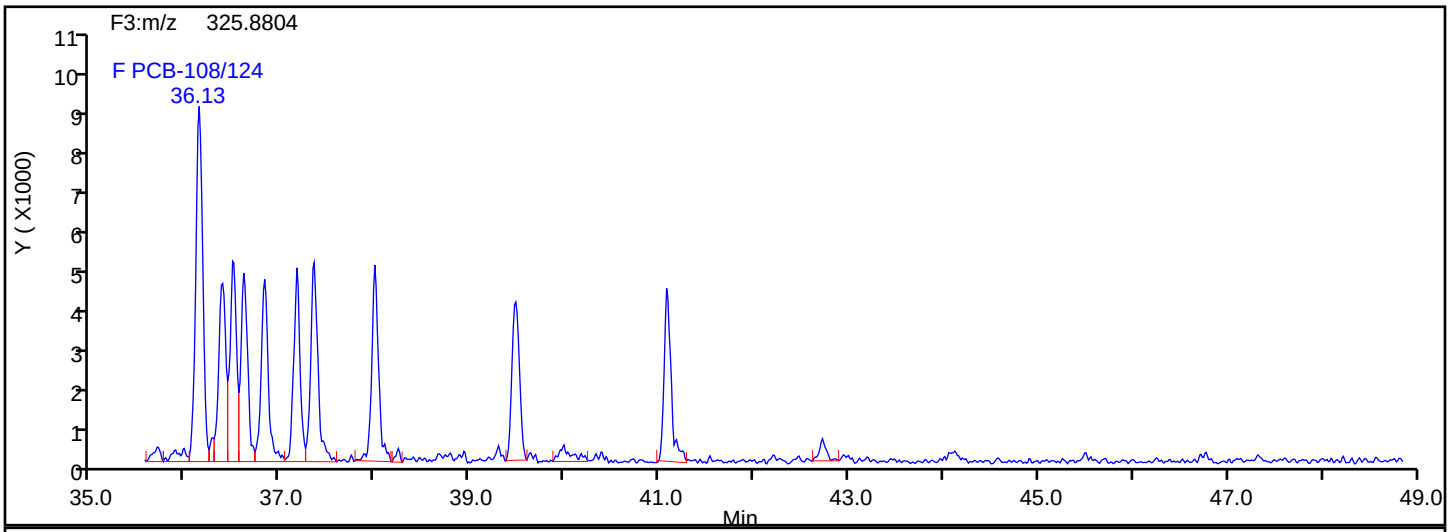

PePCB F3 Standards

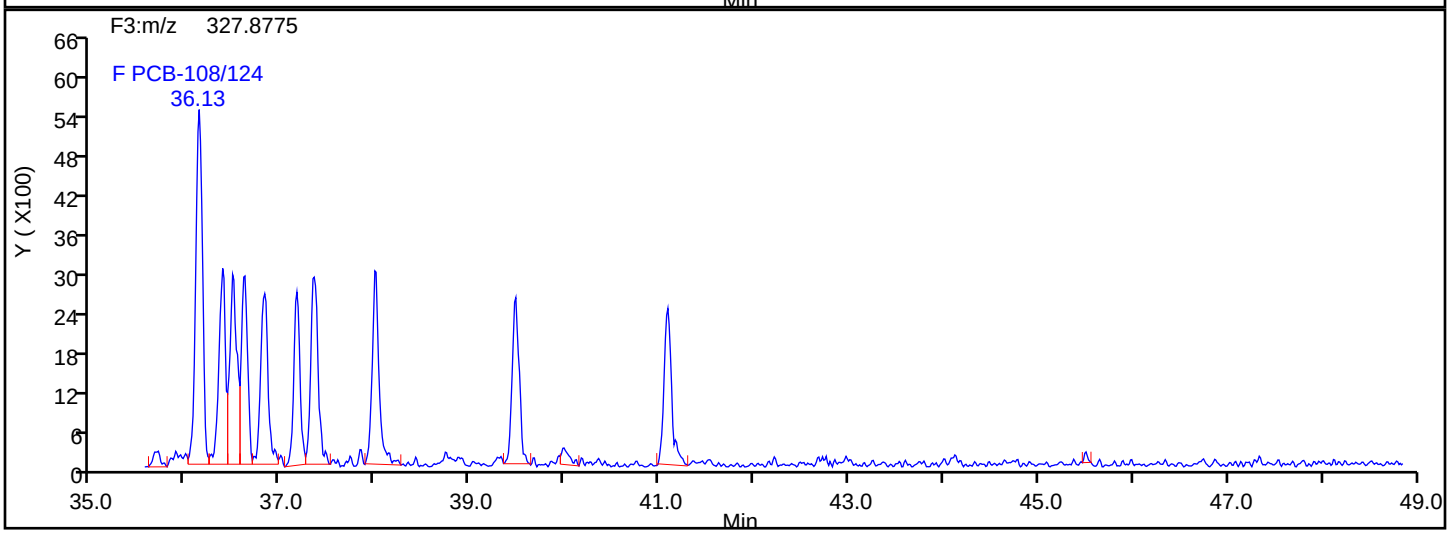


Eurofins TestAmerica, Knoxville

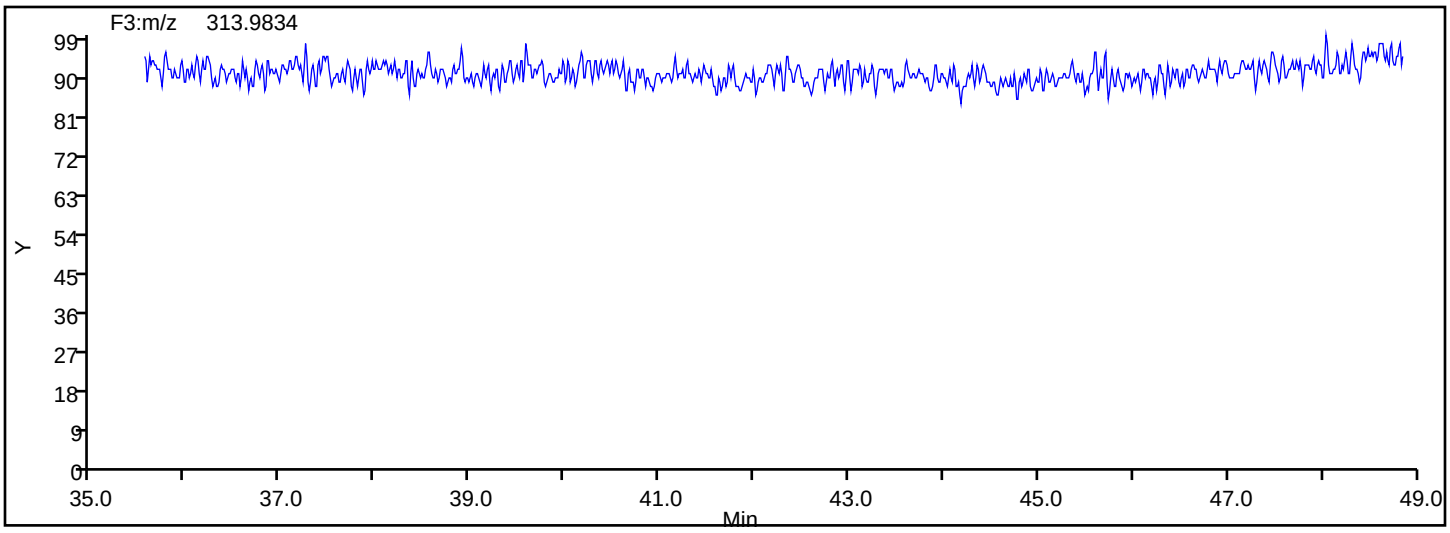
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



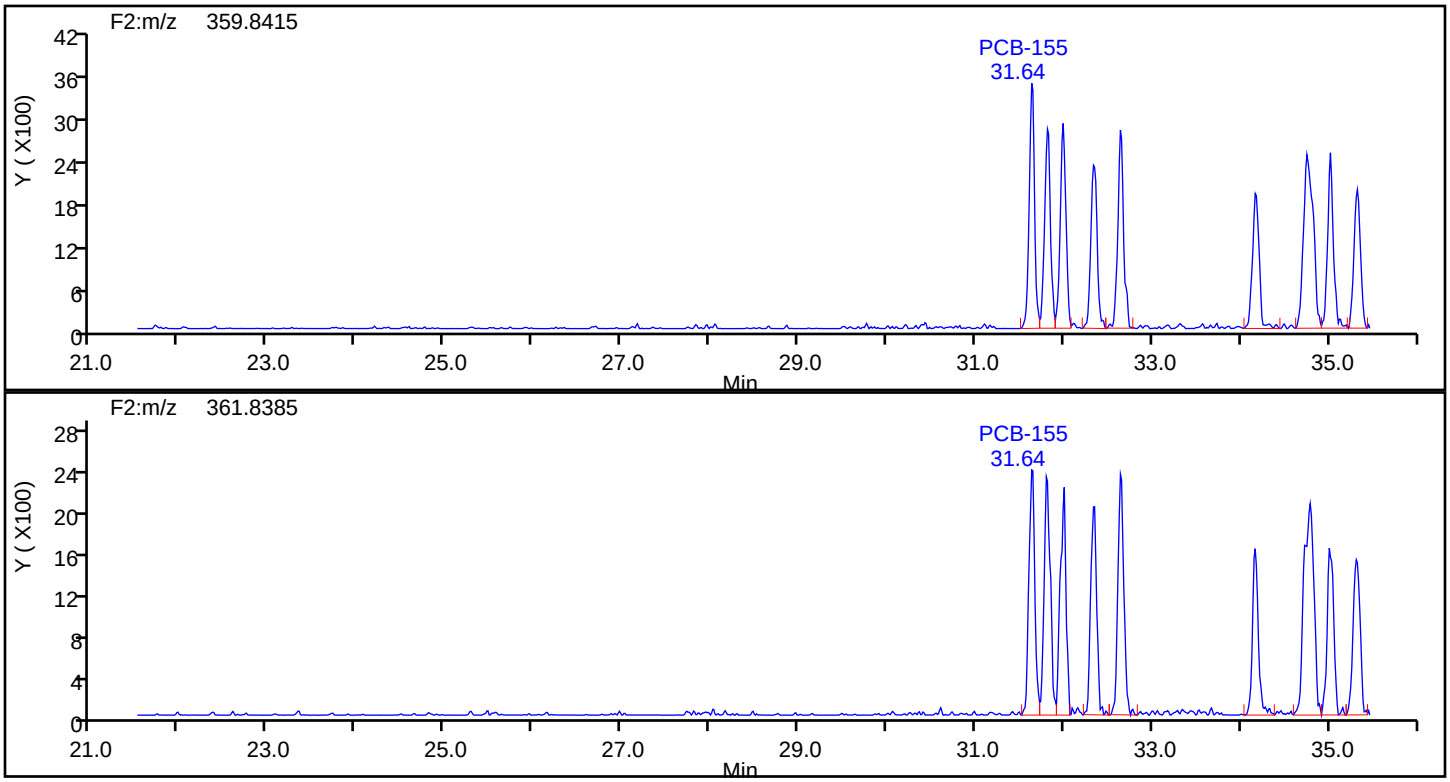

PePCB F3 Lock Mass



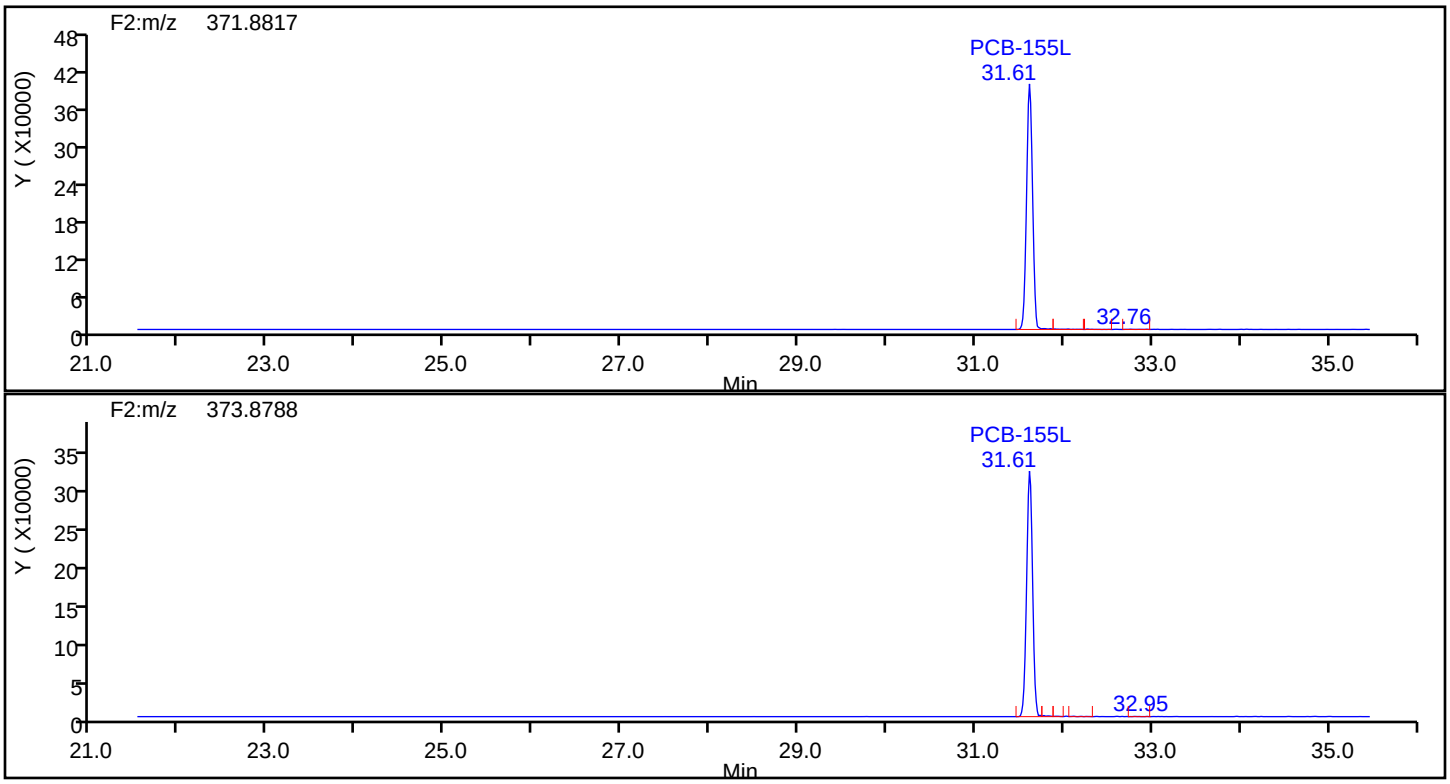
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



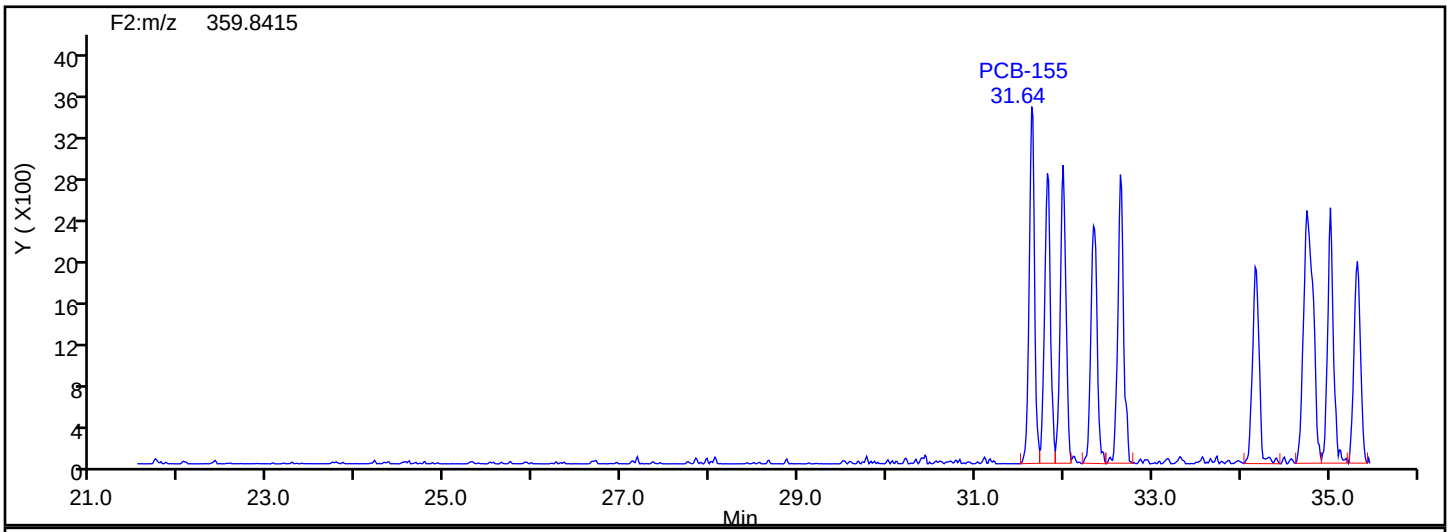

HxPCB F2 Standards

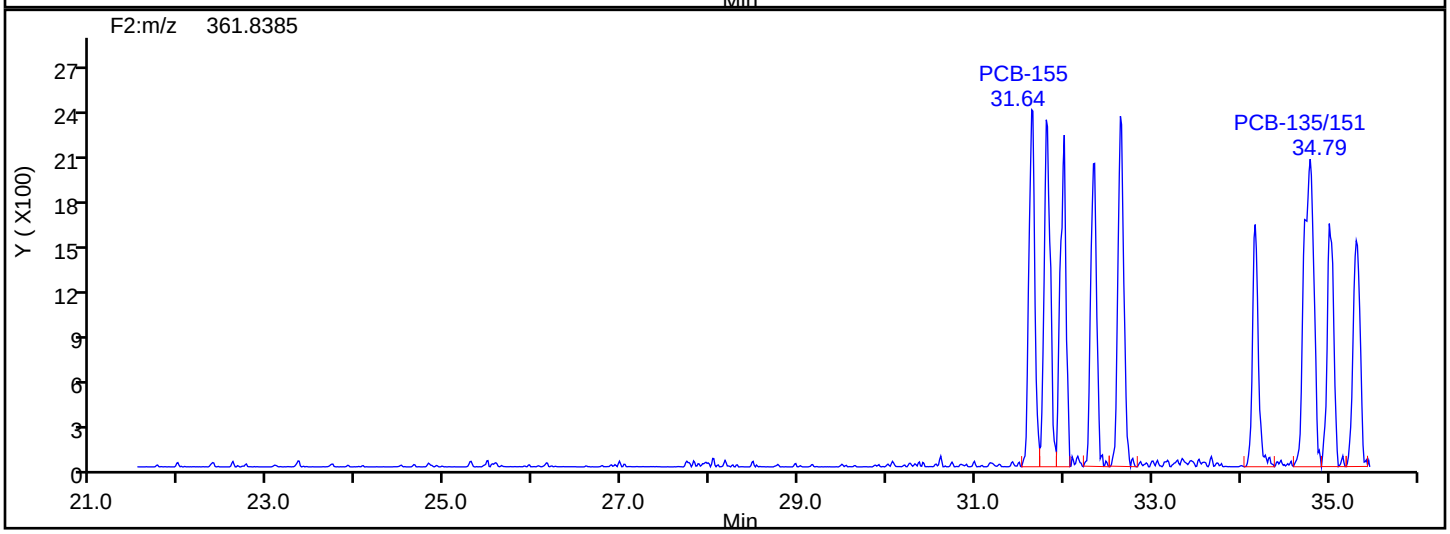


Eurofins TestAmerica, Knoxville

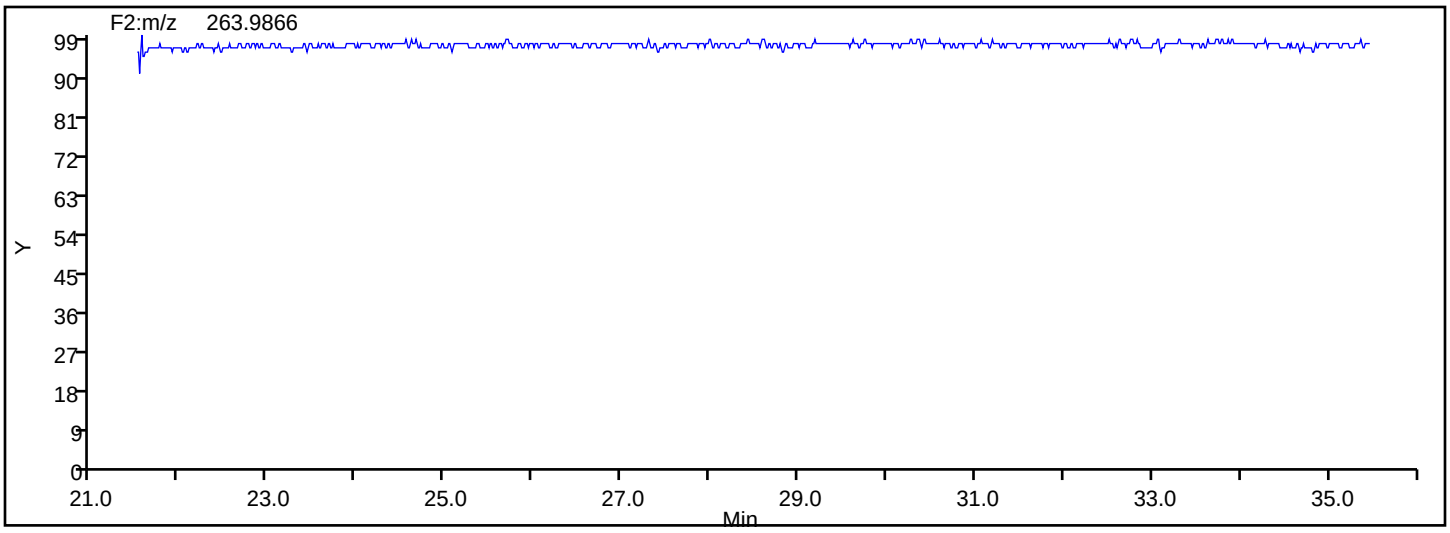
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

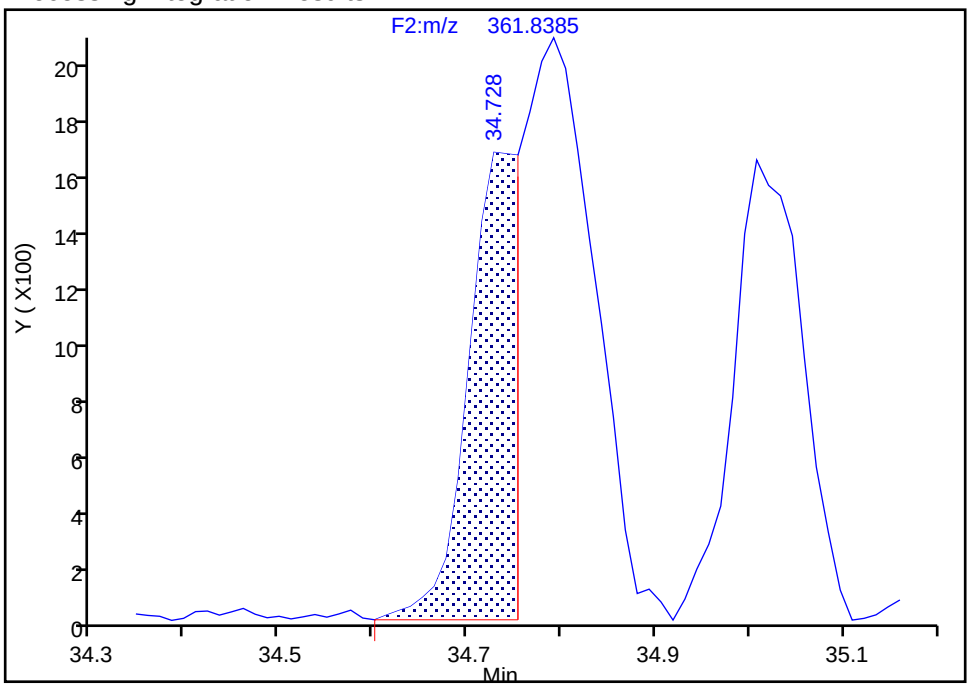
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

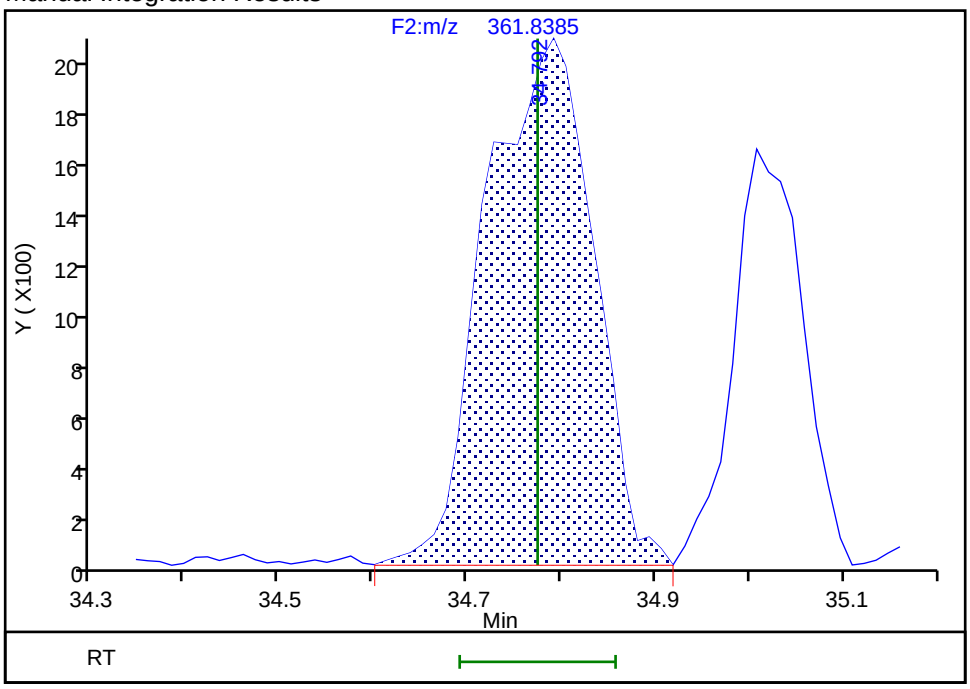
Processing Integration Results

RT: 34.73
Area: 5543
Amount: 1.061277
Amount Units: pg/ul




Manual Integration Results

RT: 34.79
Area: 15894
Amount: 1.184445
Amount Units: pg/ul

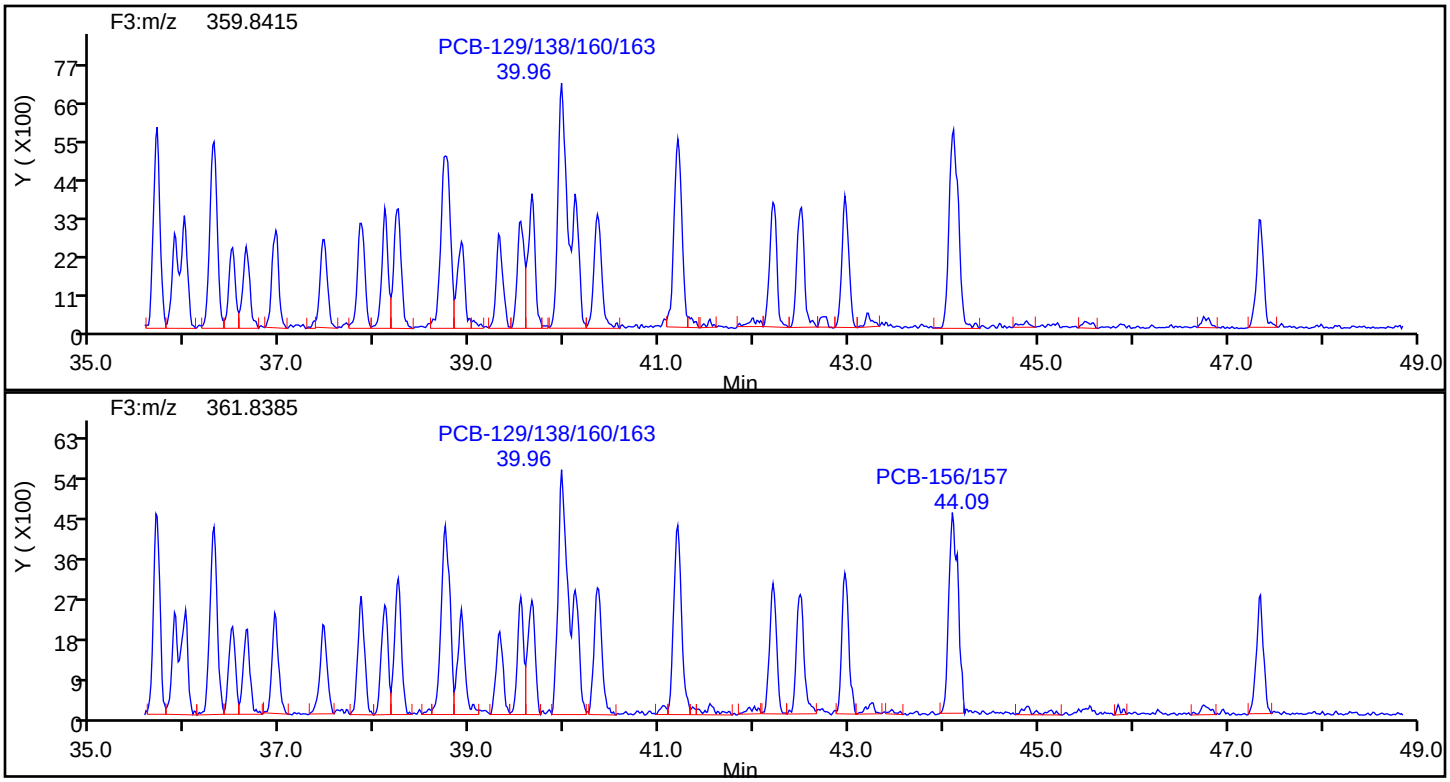



Reviewer: davidsonm, 21-Aug-2019 15:08:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

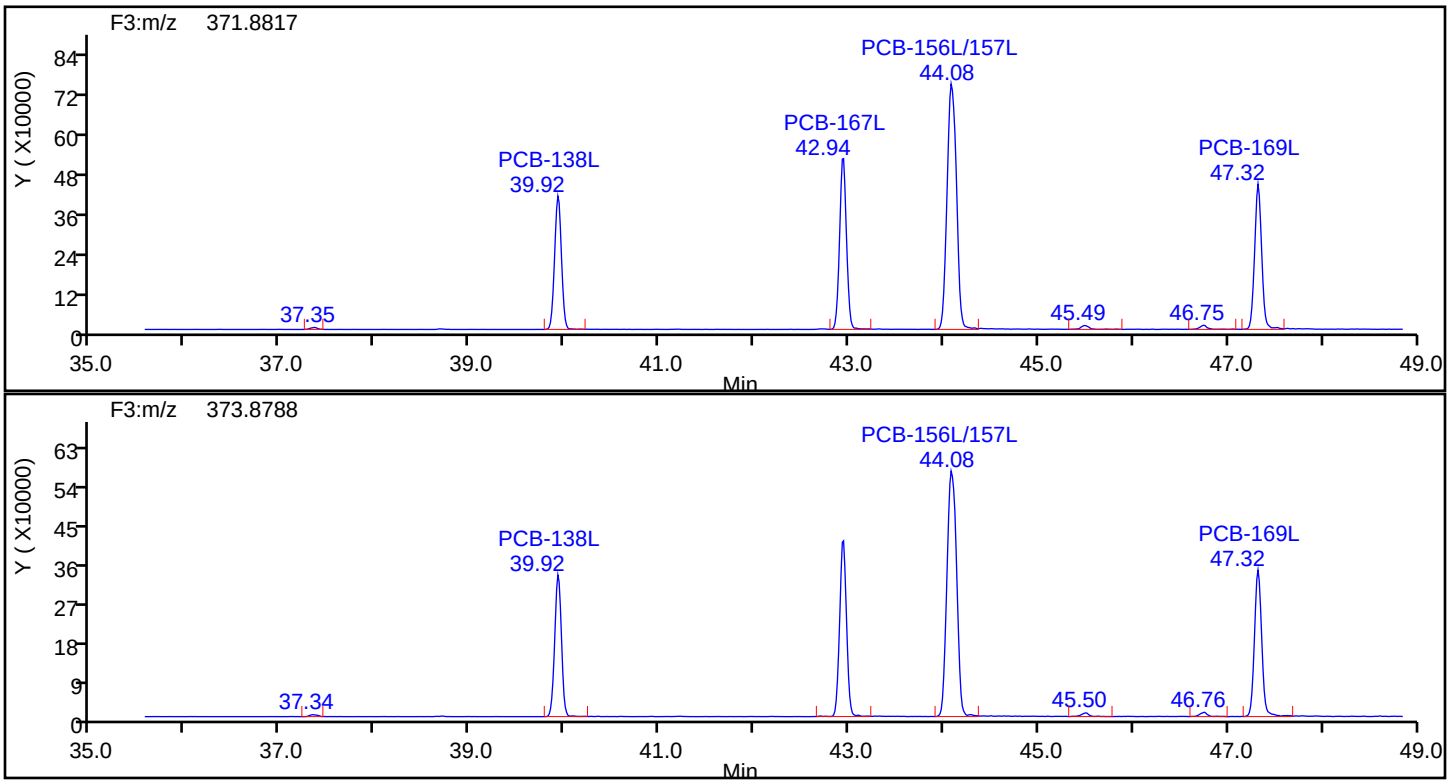
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



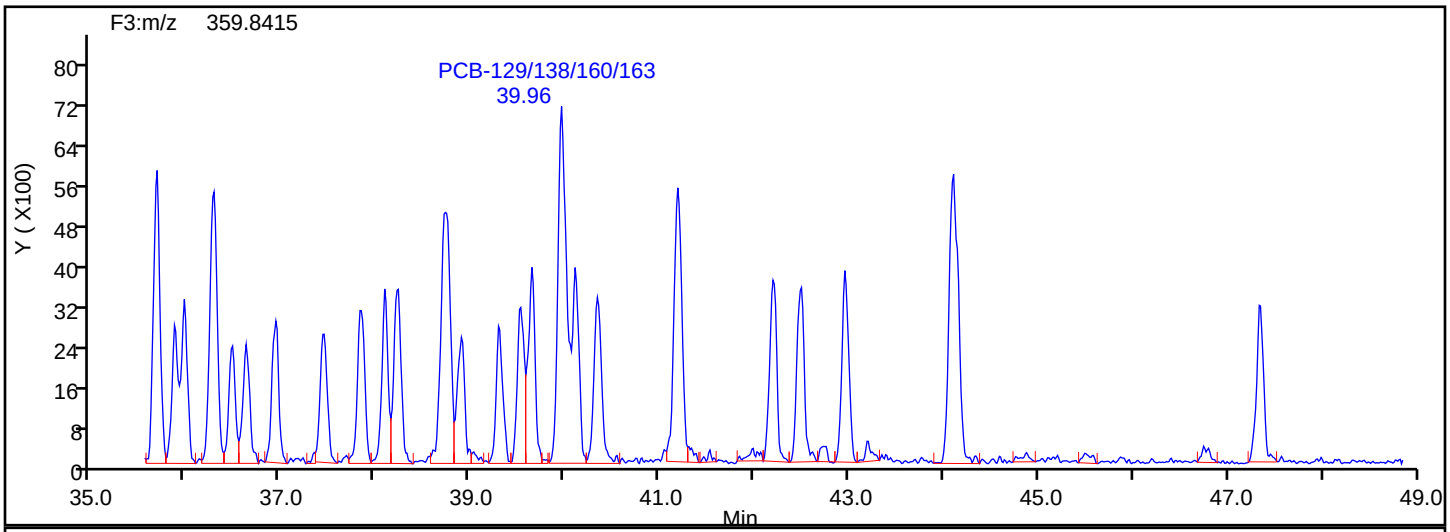

HxPCB F3 Standards

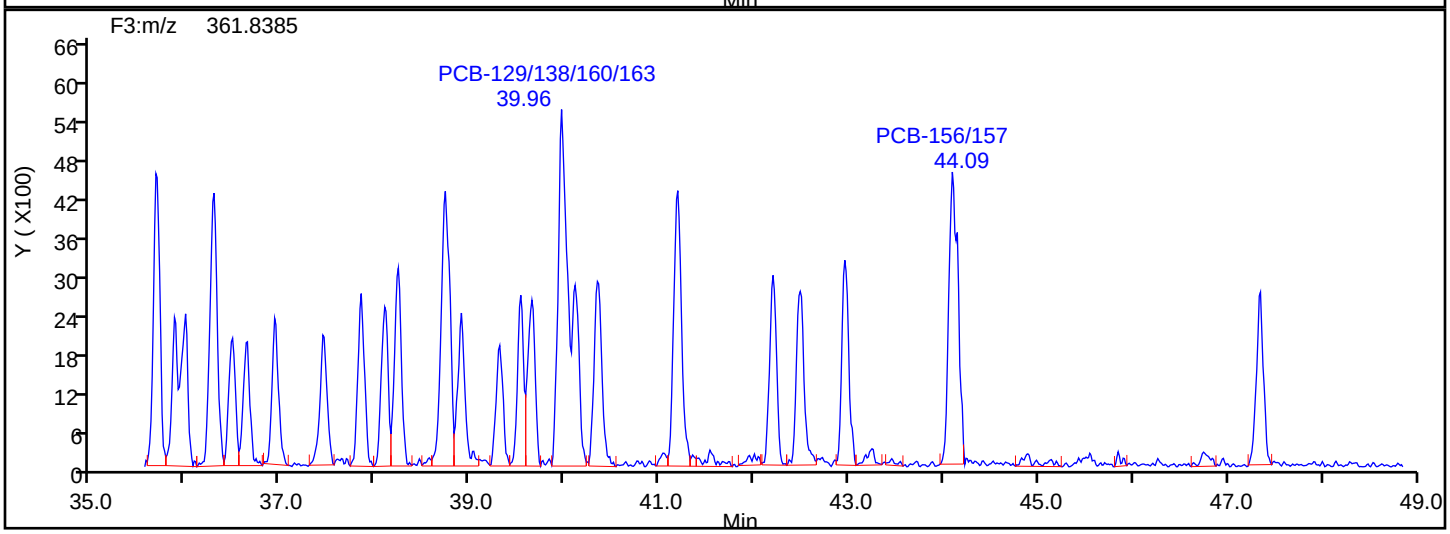


Eurofins TestAmerica, Knoxville

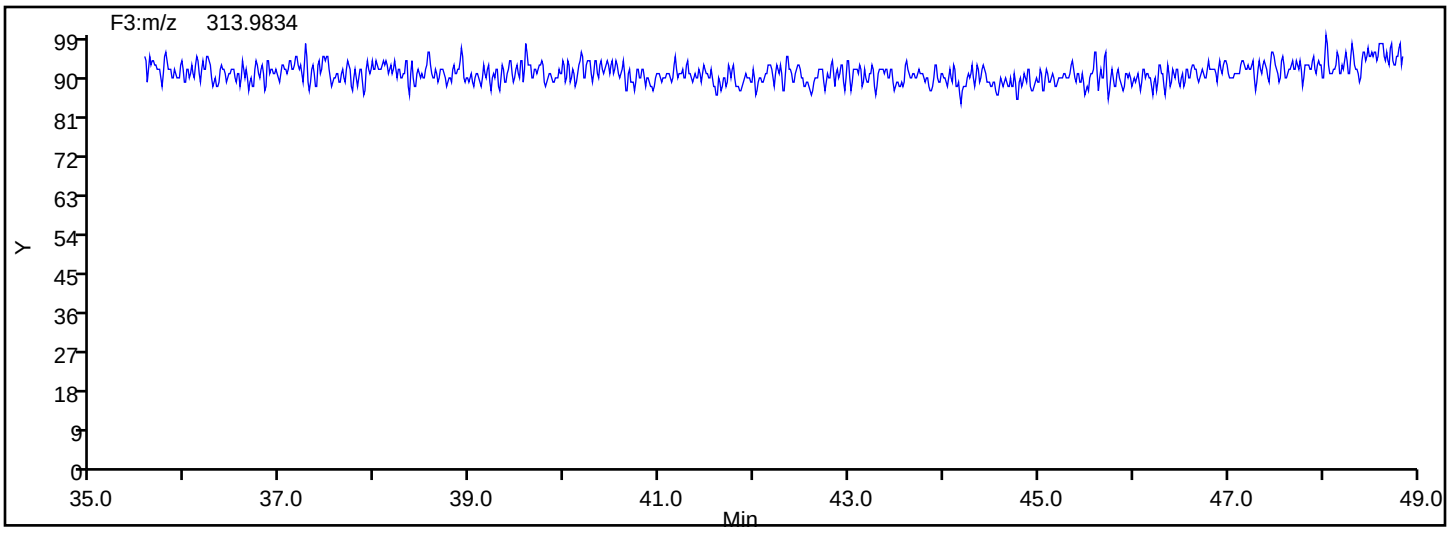
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

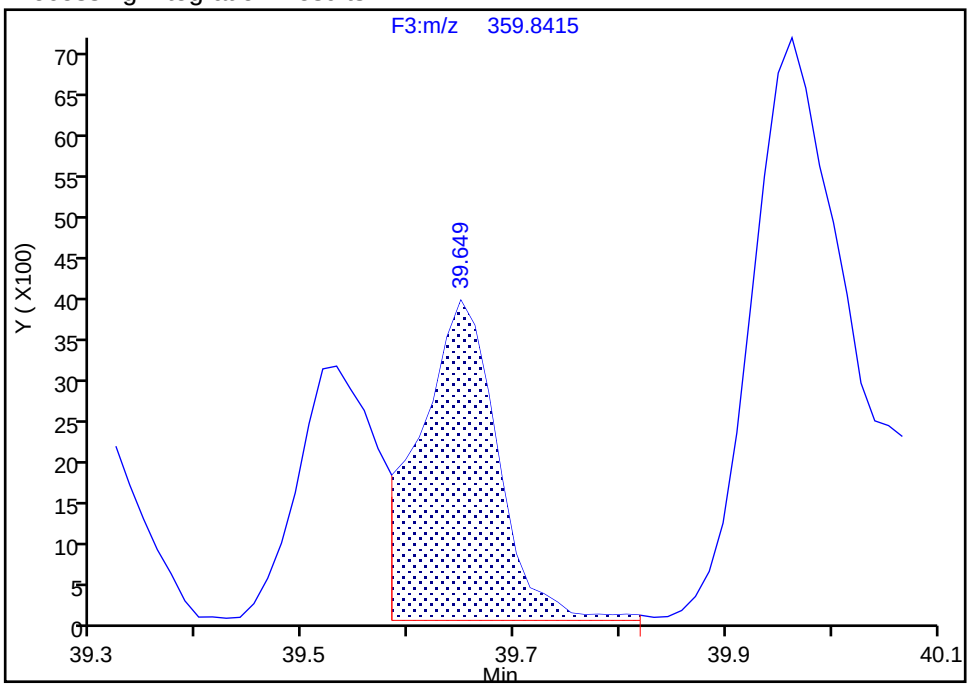
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-164, CAS: 74472-45-0

Signal: 1

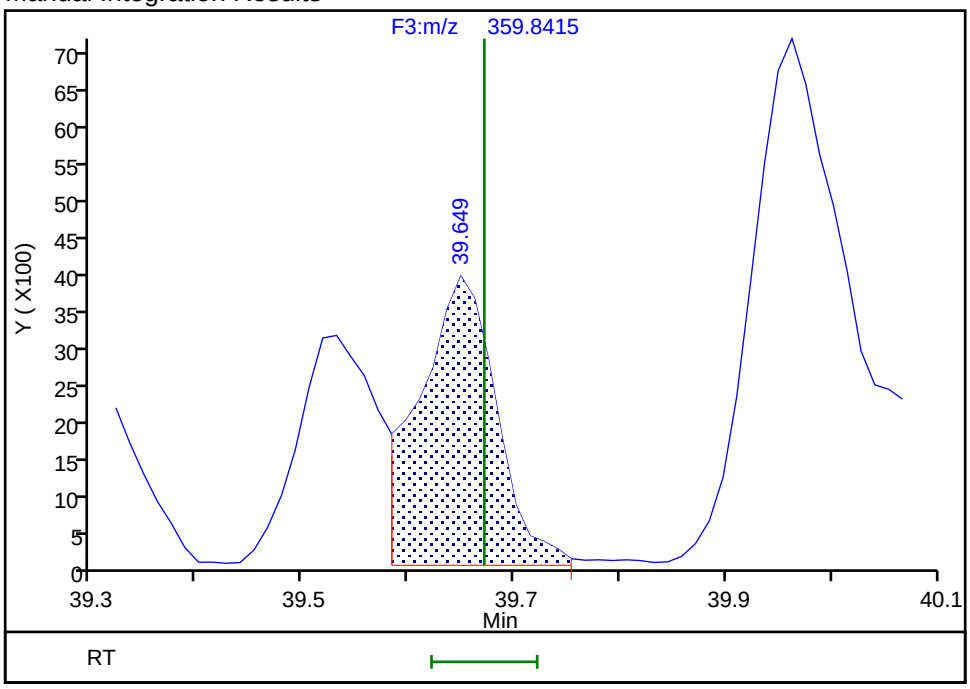
Processing Integration Results

RT: 39.65
Area: 19770
Amount: 0.574882
Amount Units: pg/ul




Manual Integration Results

RT: 39.65
Area: 19493
Amount: 0.585180
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:09:04

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

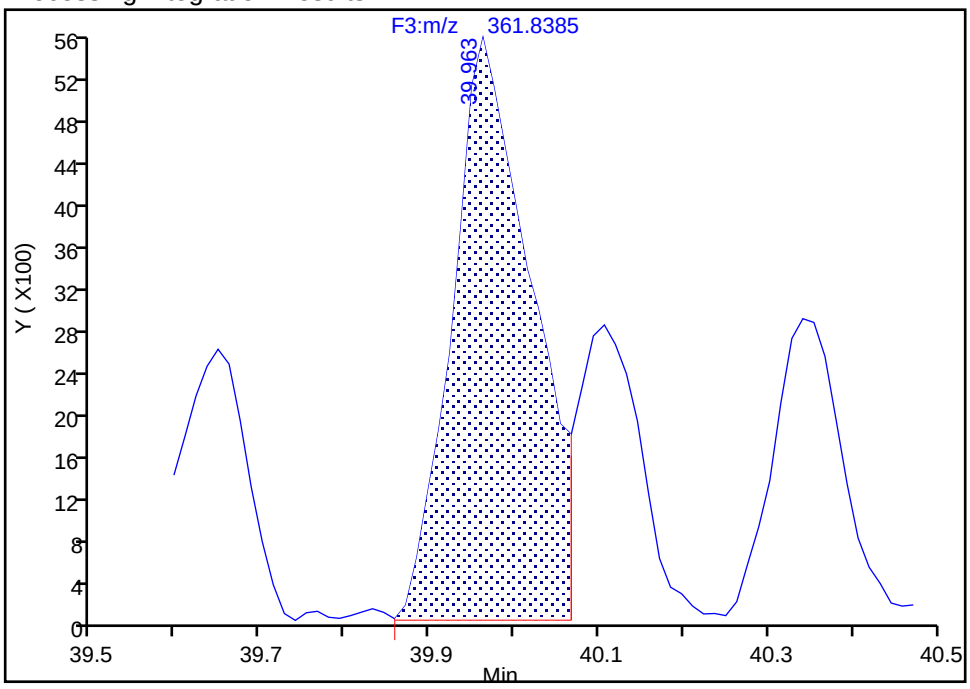
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

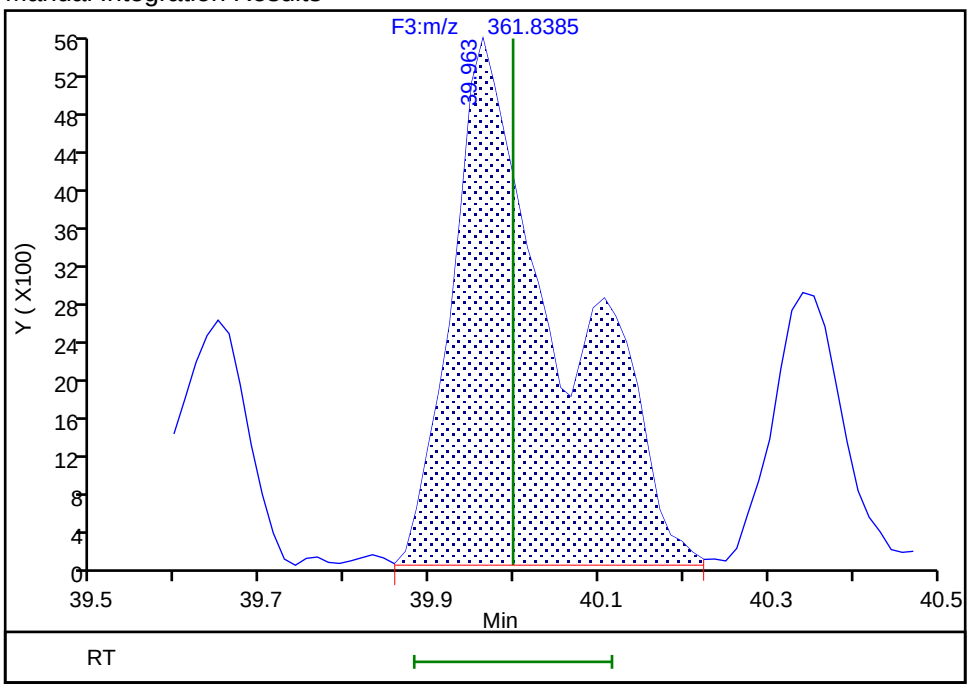
Processing Integration Results

RT: 39.96
Area: 35635
Amount: 2.228957
Amount Units: pg/ul




Manual Integration Results

RT: 39.96
Area: 49683
Amount: 2.287303
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:08:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

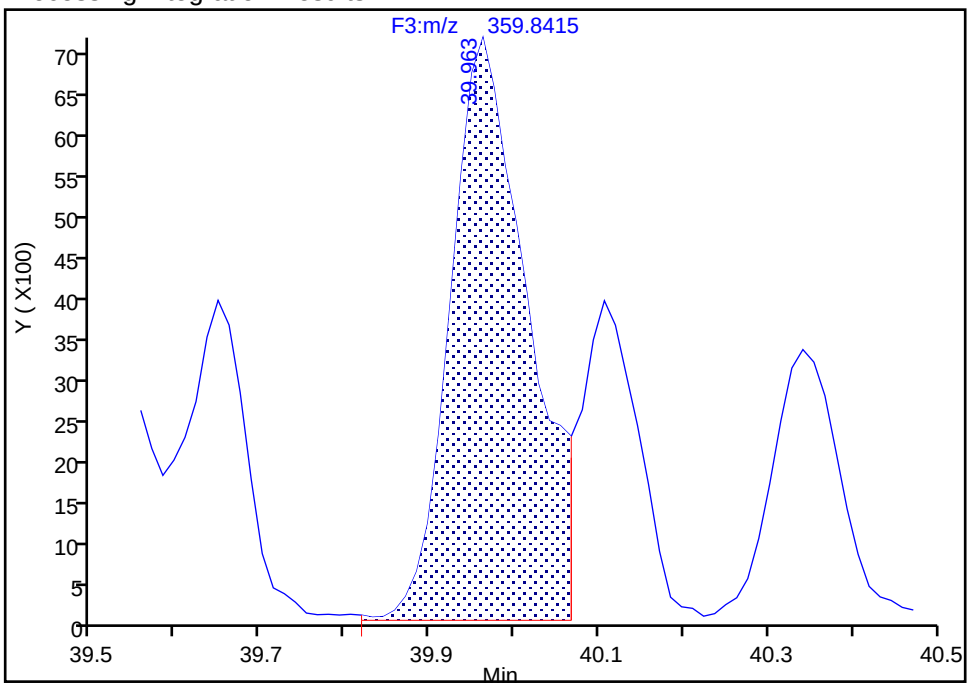
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

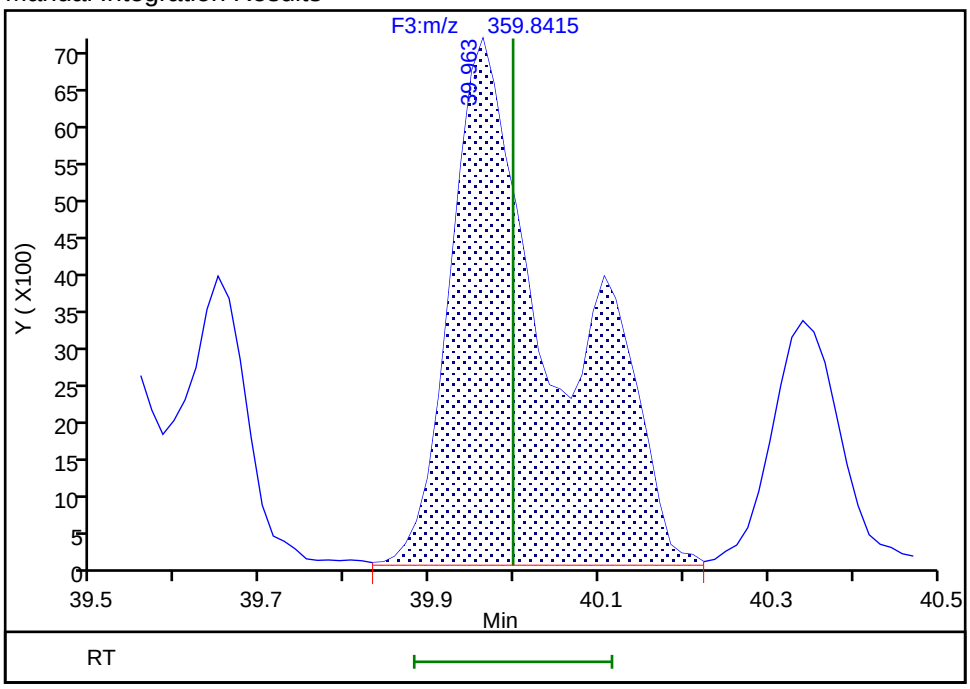
Processing Integration Results

RT: 39.96
Area: 44678
Amount: 2.228957
Amount Units: pg/ul




Manual Integration Results

RT: 39.96
Area: 62568
Amount: 2.287303
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:08:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

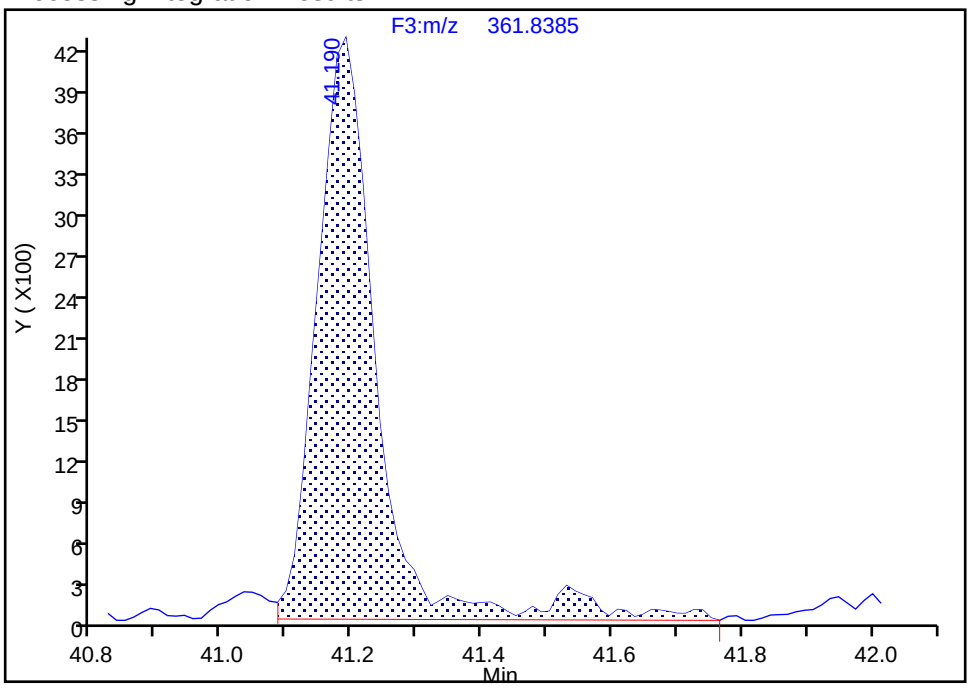
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 2

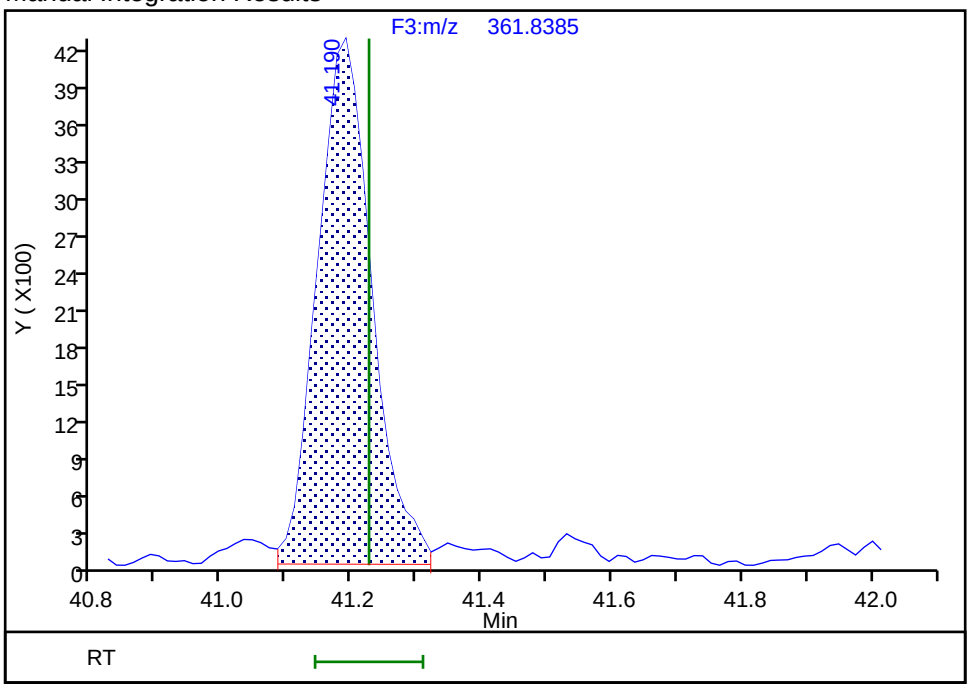
Processing Integration Results

RT: 41.19
Area: 27282
Amount: 1.164398
Amount Units: pg/ul




Manual Integration Results

RT: 41.19
Area: 24728
Amount: 1.115729
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:09:20

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

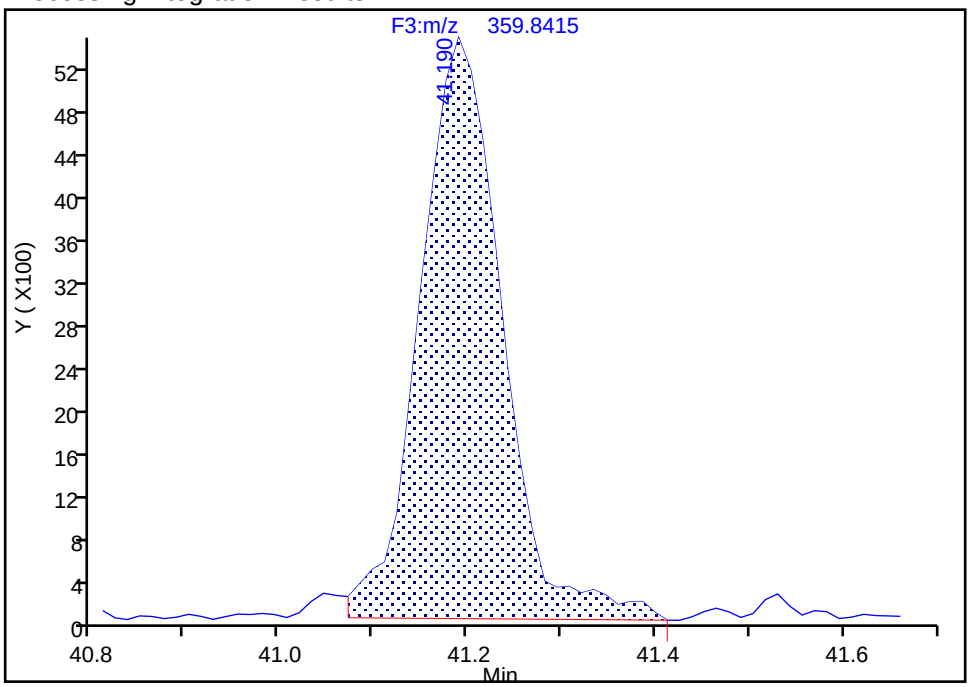
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

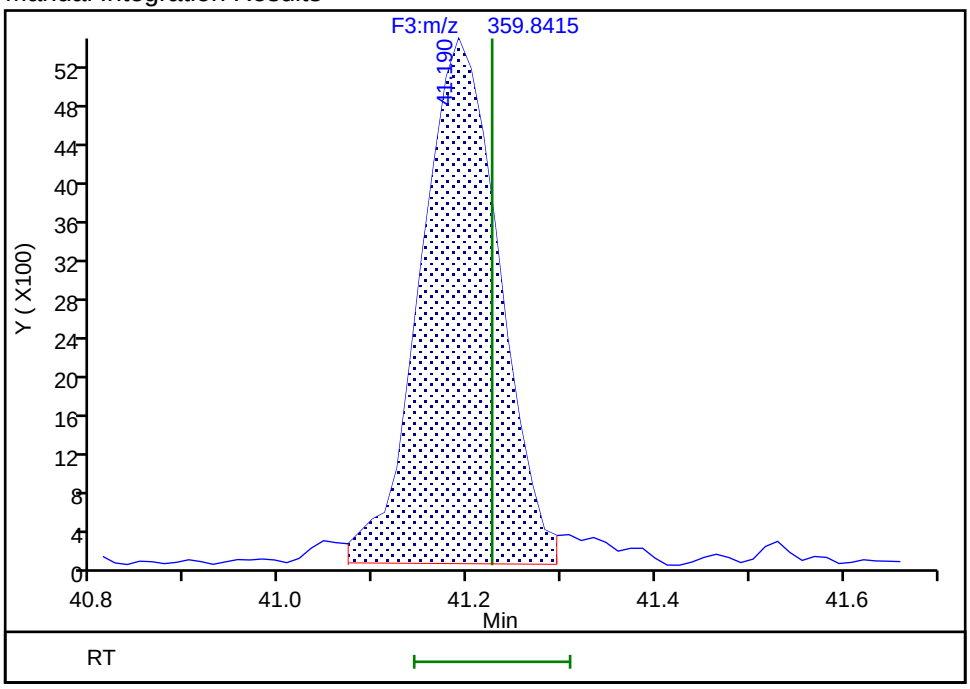
Processing Integration Results

RT: 41.19
Area: 33057
Amount: 1.164398
Amount Units: pg/ul




Manual Integration Results

RT: 41.19
Area: 31669
Amount: 1.115729
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:09:23

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

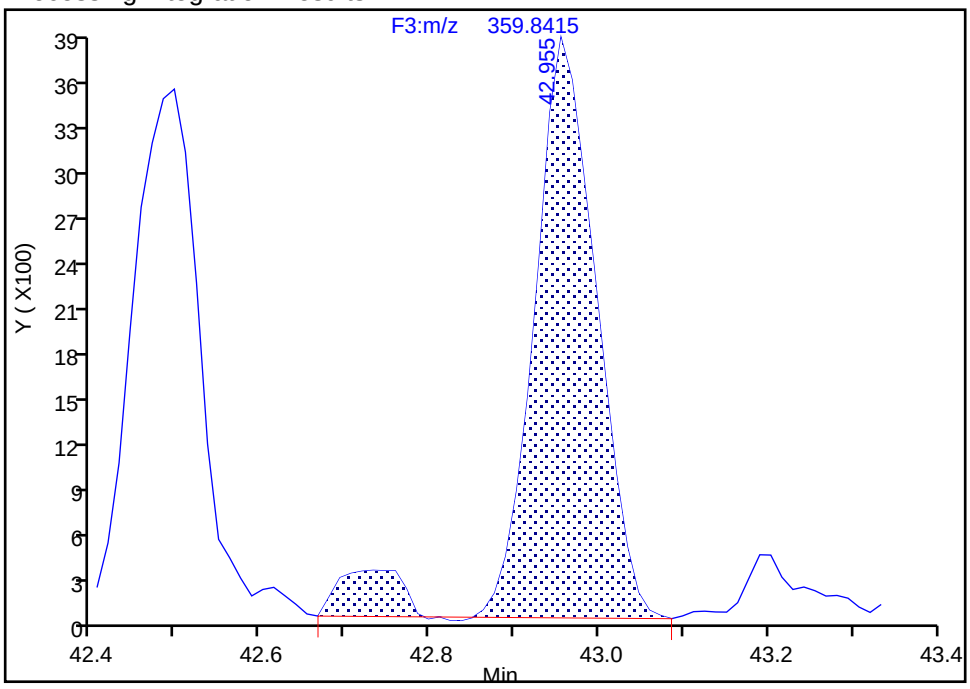
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-167, CAS: 52663-72-6

Signal: 1

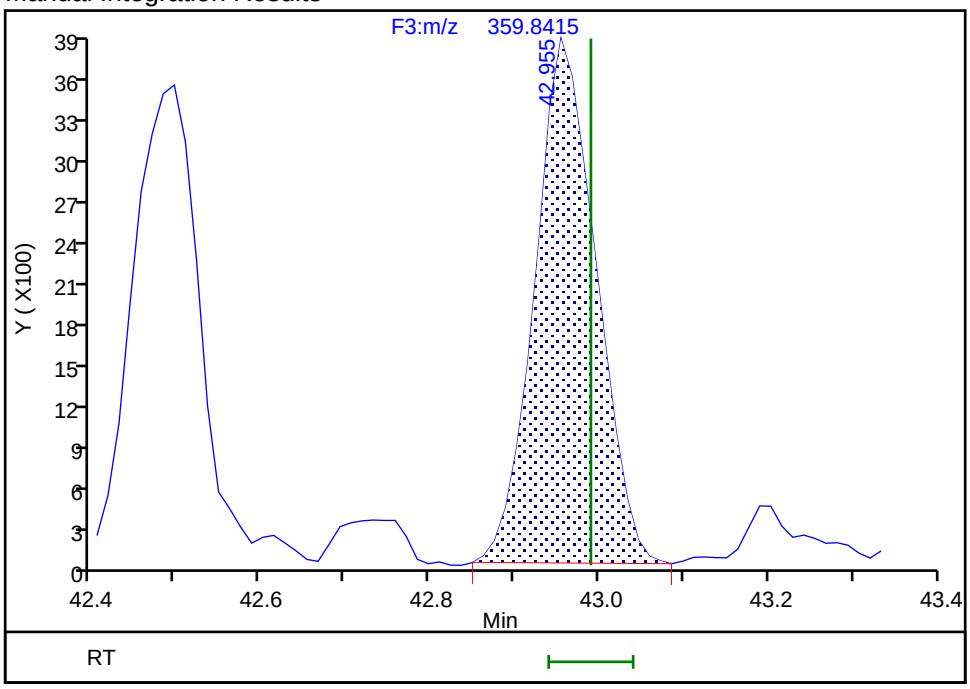
Processing Integration Results

RT: 42.95
Area: 20638
Amount: 0.569168
Amount Units: pg/ul




Manual Integration Results

RT: 42.95
Area: 19064
Amount: 0.560097
Amount Units: pg/ul



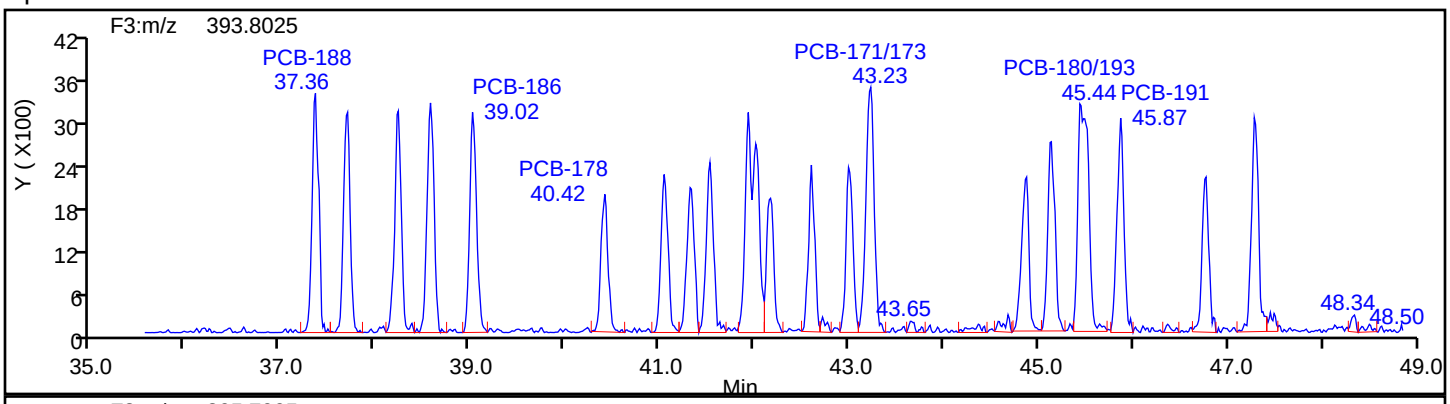

Reviewer: davidsonm, 21-Aug-2019 15:09:37

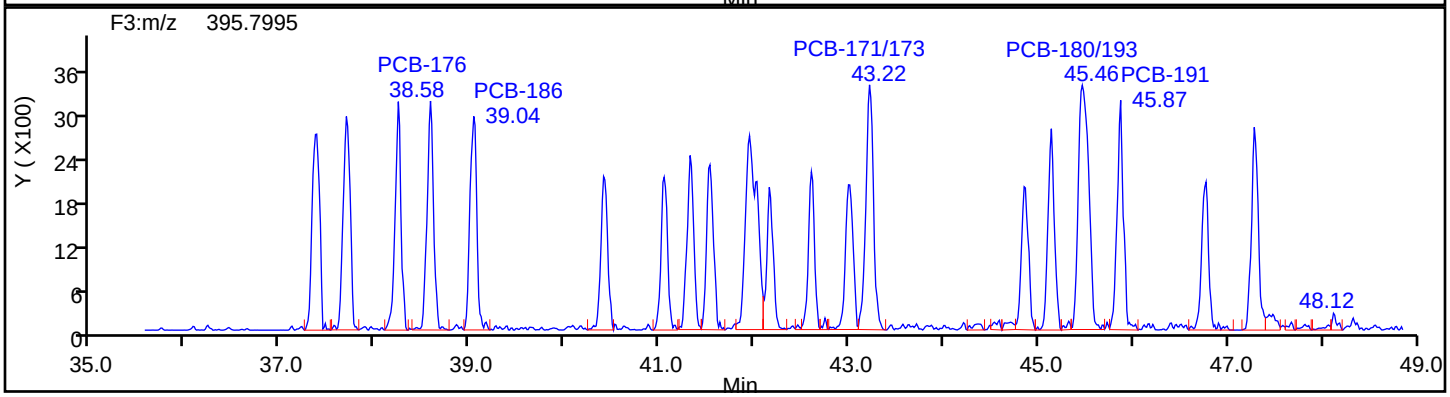
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

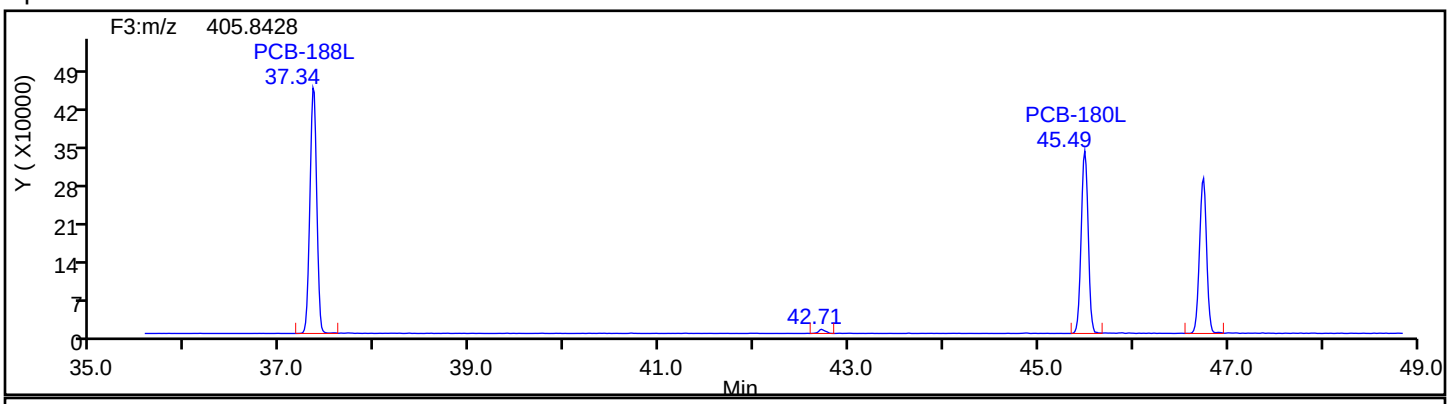
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

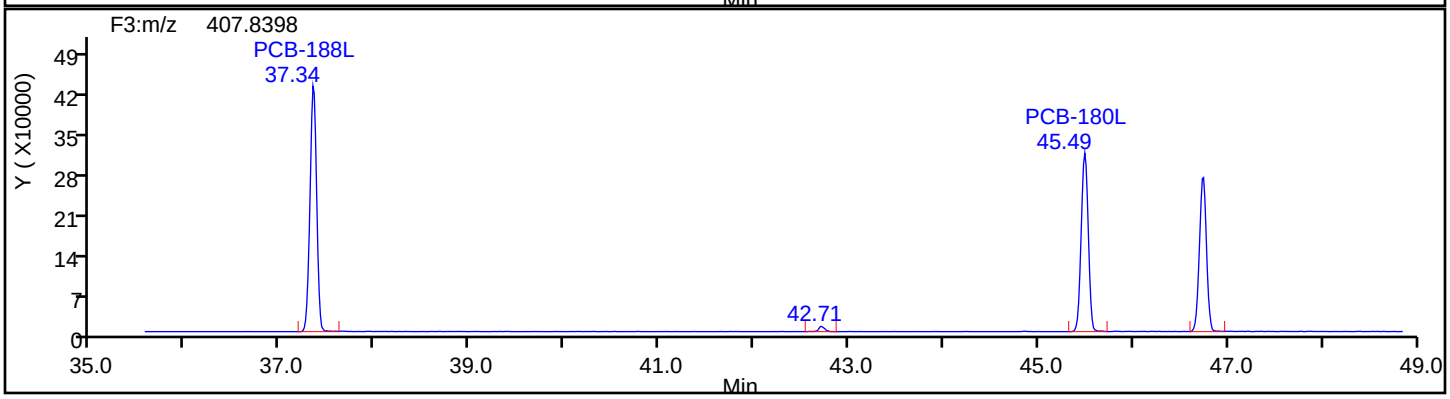
HpPCB F3




HpPCB F3 Standards

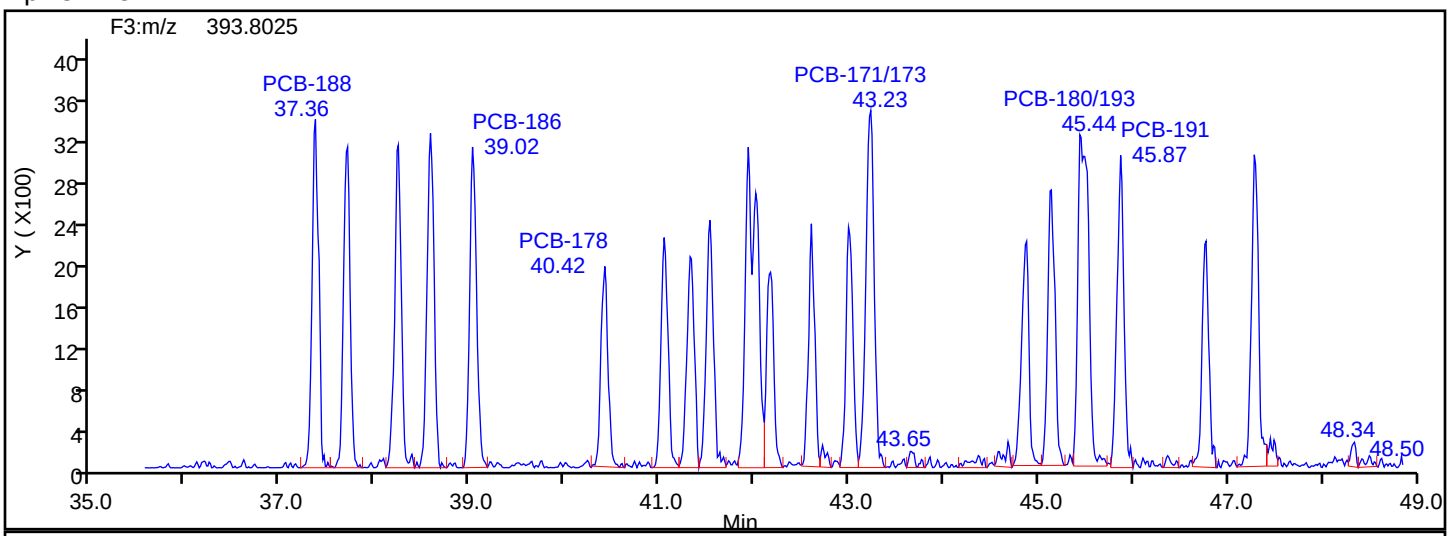


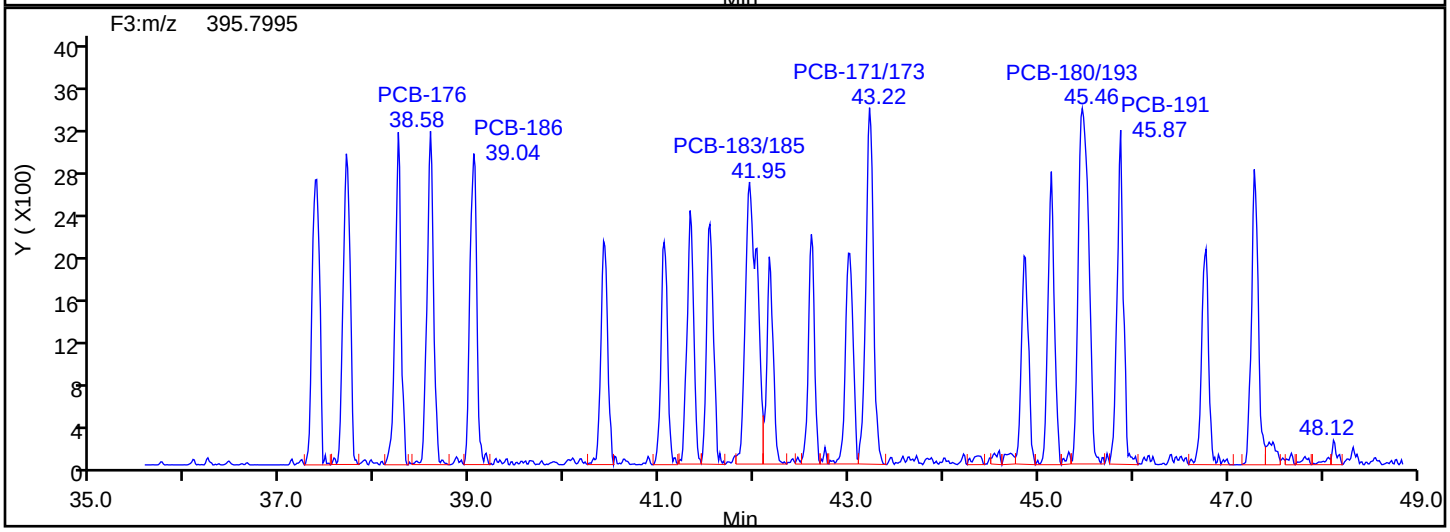



Eurofins TestAmerica, Knoxville

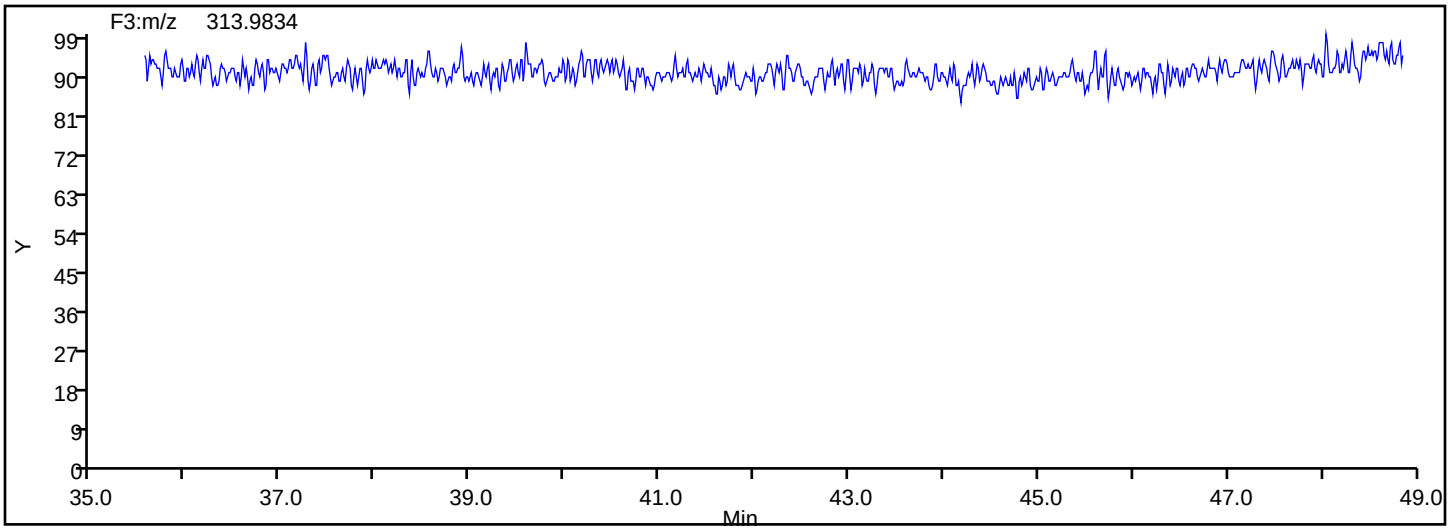
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

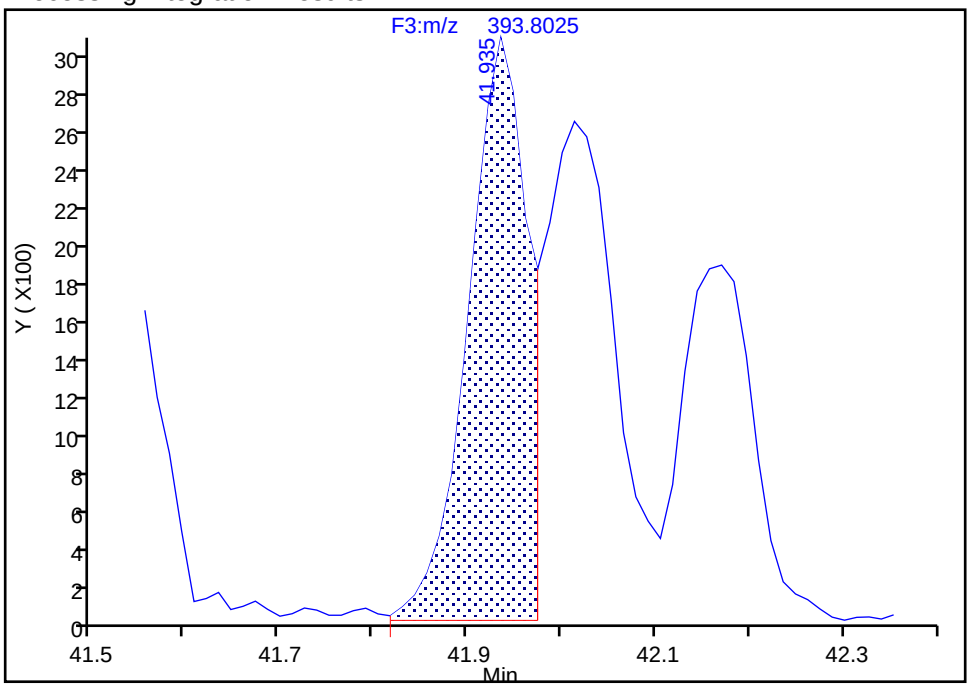
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 1

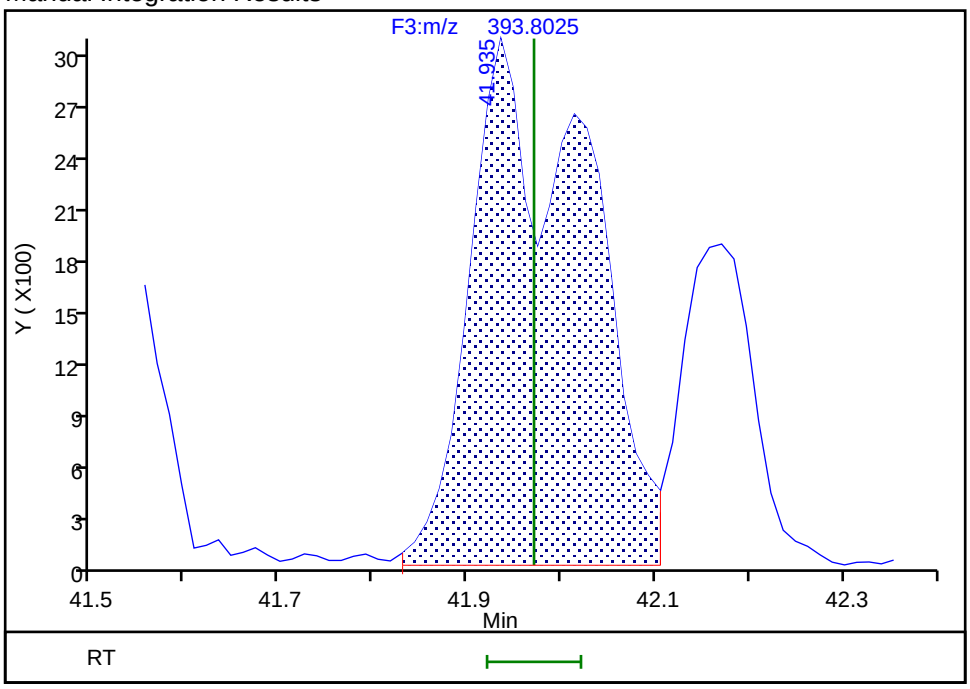
Processing Integration Results

RT: 41.94
Area: 13108
Amount: 1.522565
Amount Units: pg/ul




Manual Integration Results

RT: 41.94
Area: 26402
Amount: 1.196420
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:10:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

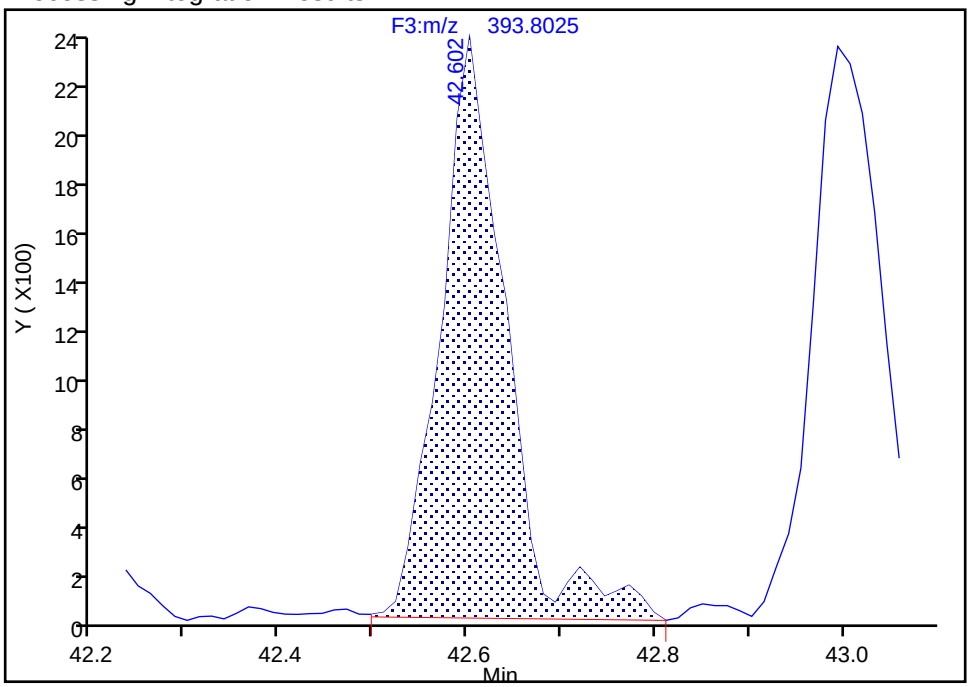
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-177, CAS: 52663-70-4

Signal: 1

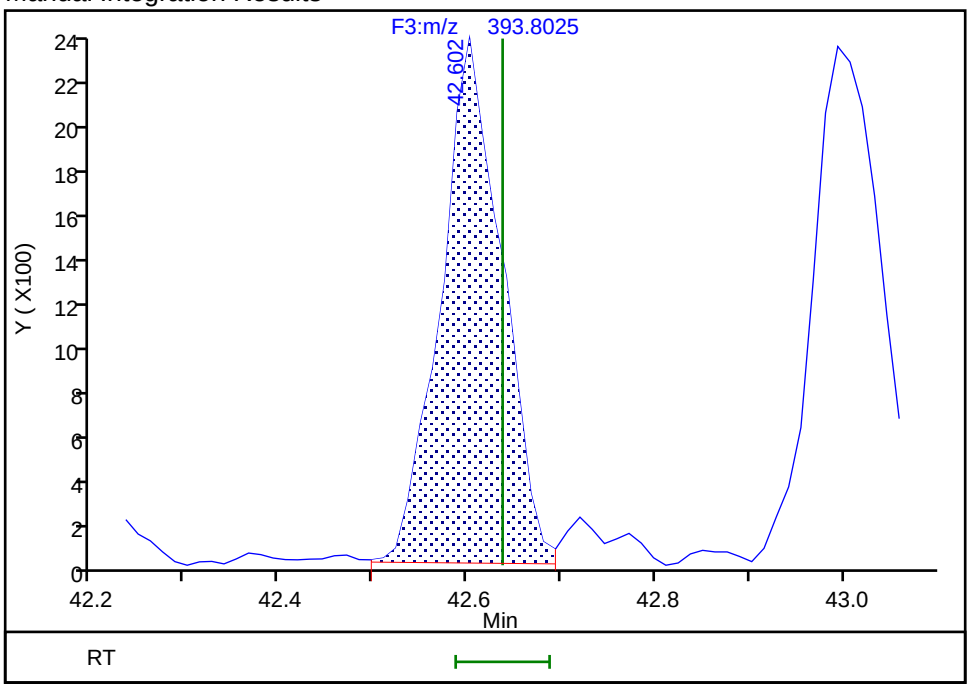
Processing Integration Results

RT: 42.60
Area: 11282
Amount: 0.603038
Amount Units: pg/ul




Manual Integration Results

RT: 42.60
Area: 10478
Amount: 0.587970
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:10:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

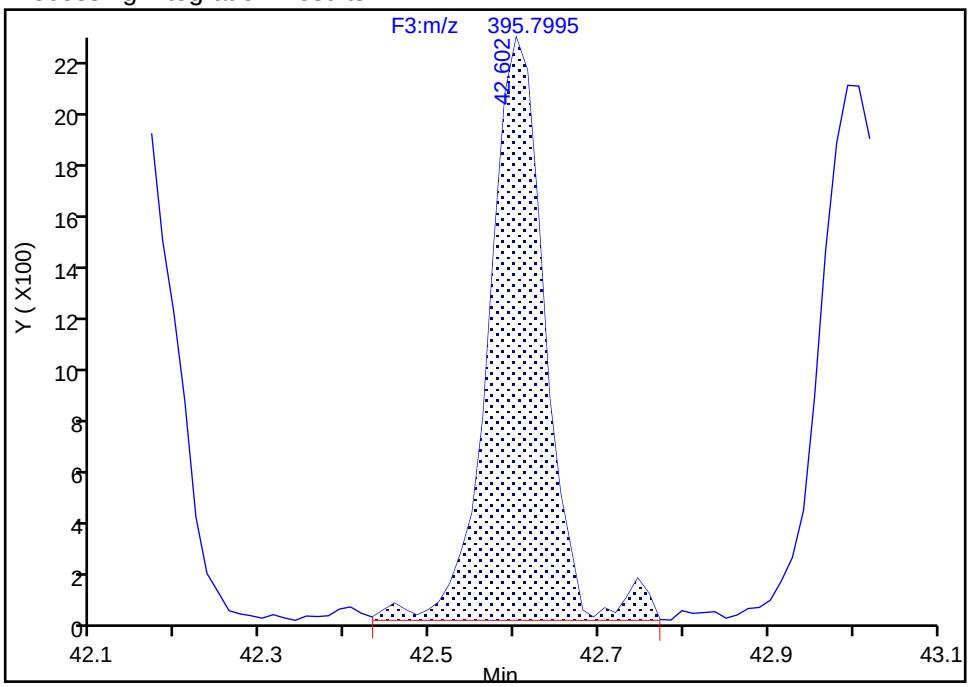
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-177, CAS: 52663-70-4

Signal: 2

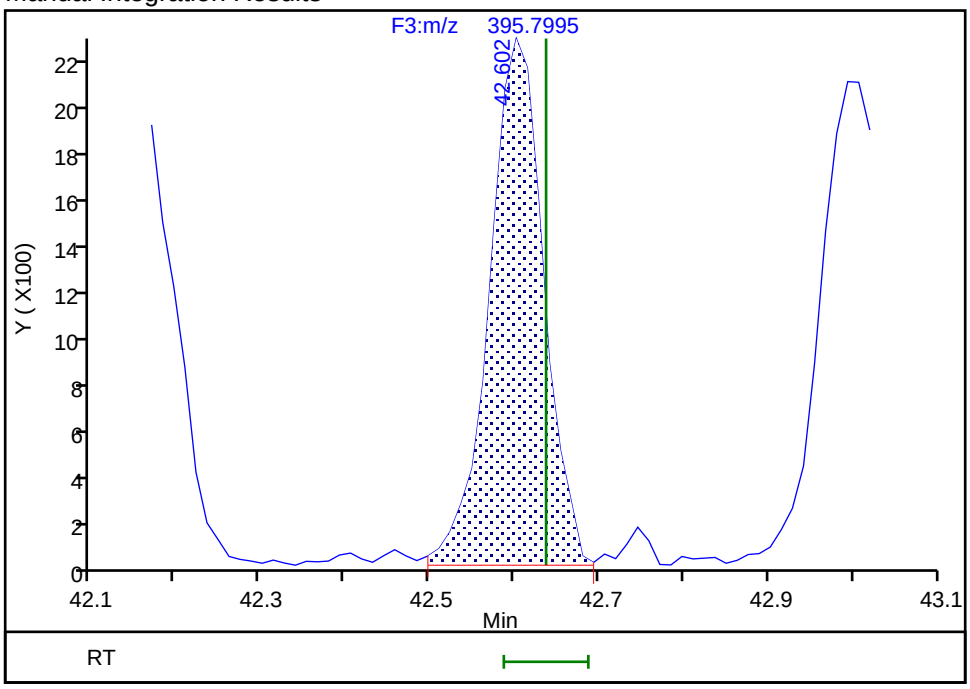
Processing Integration Results

RT: 42.60
Area: 10194
Amount: 0.603038
Amount Units: pg/ul




Manual Integration Results

RT: 42.60
Area: 9715
Amount: 0.587970
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:10:36
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

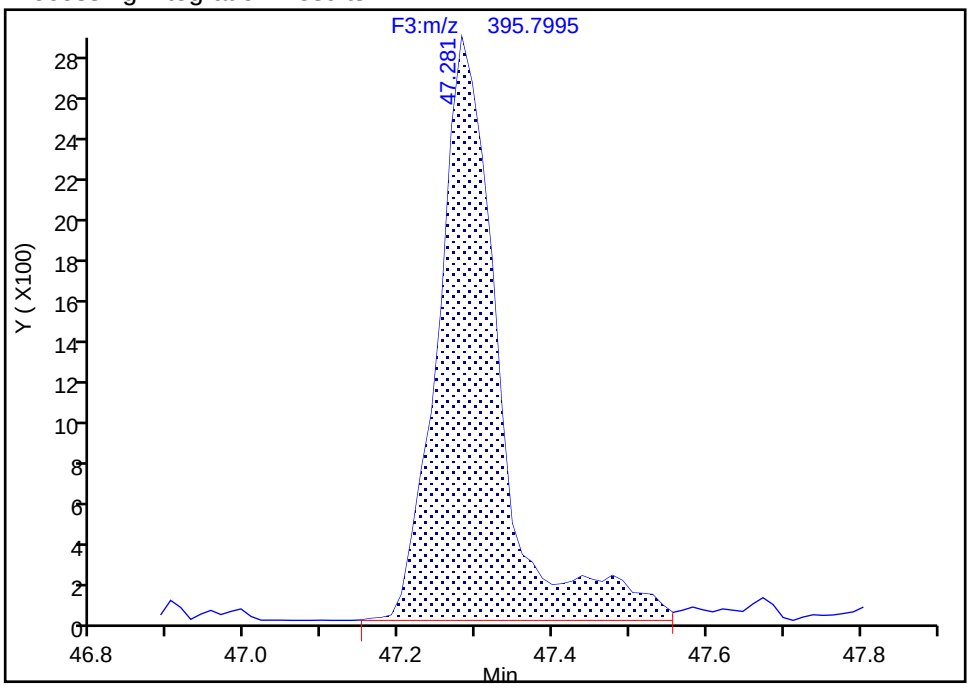
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-190, CAS: 41411-64-7

Signal: 2

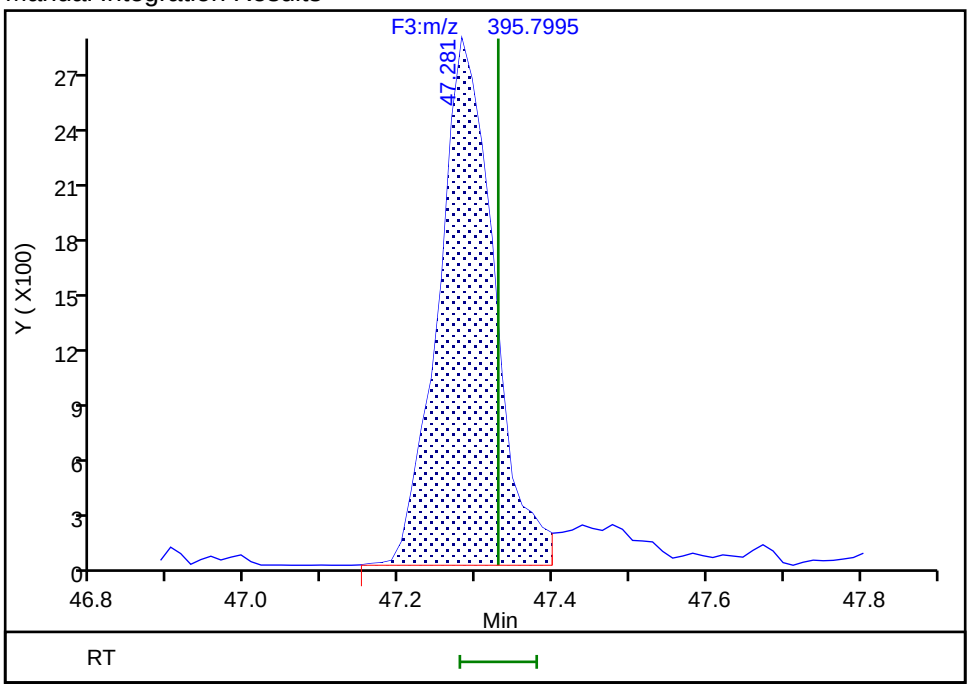
Processing Integration Results

RT: 47.28
Area: 15560
Amount: 0.613587
Amount Units: pg/ul




Manual Integration Results

RT: 47.28
Area: 14049
Amount: 0.592800
Amount Units: pg/ul



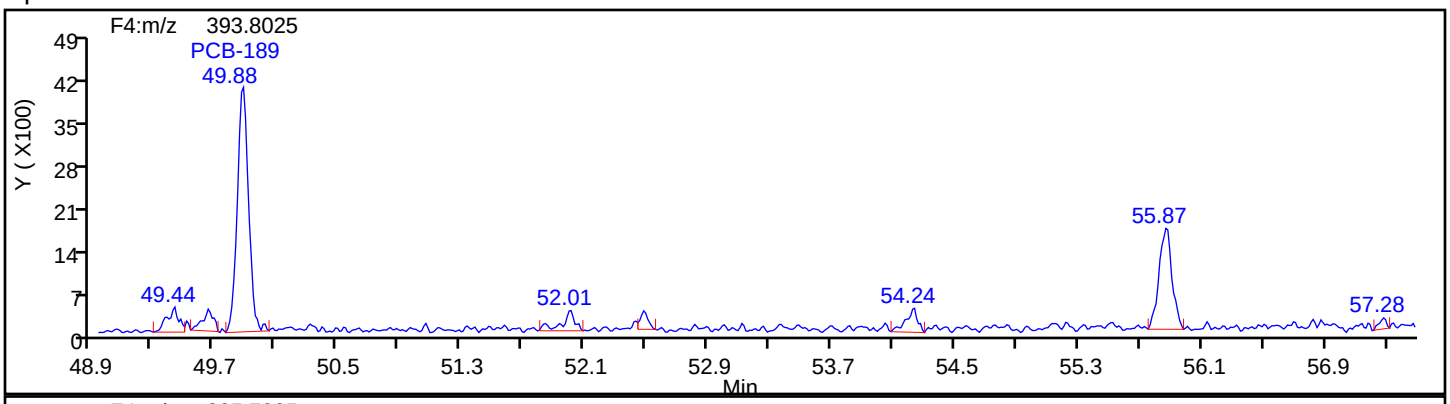

Reviewer: davidsonm, 21-Aug-2019 15:11:04

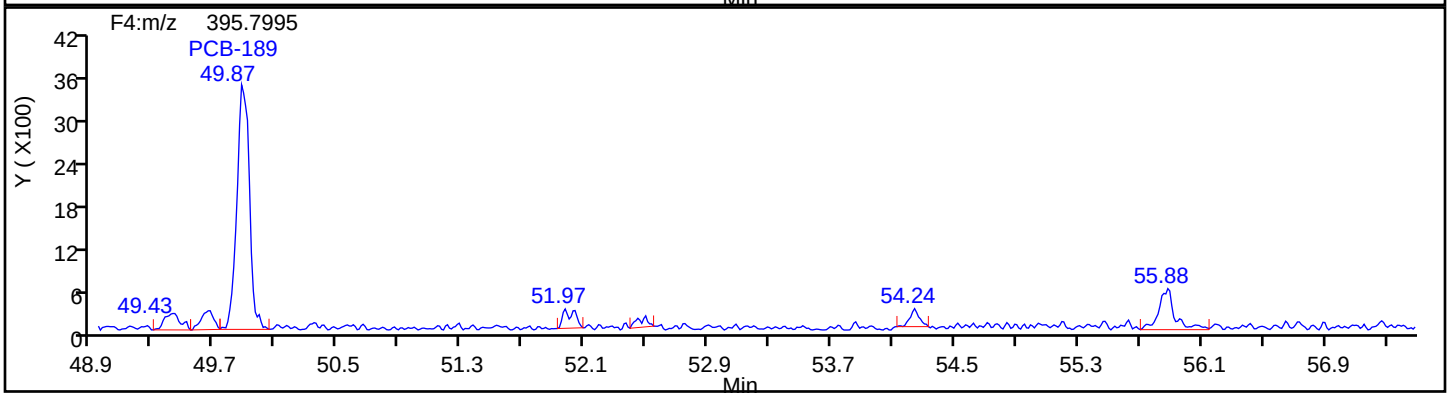
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

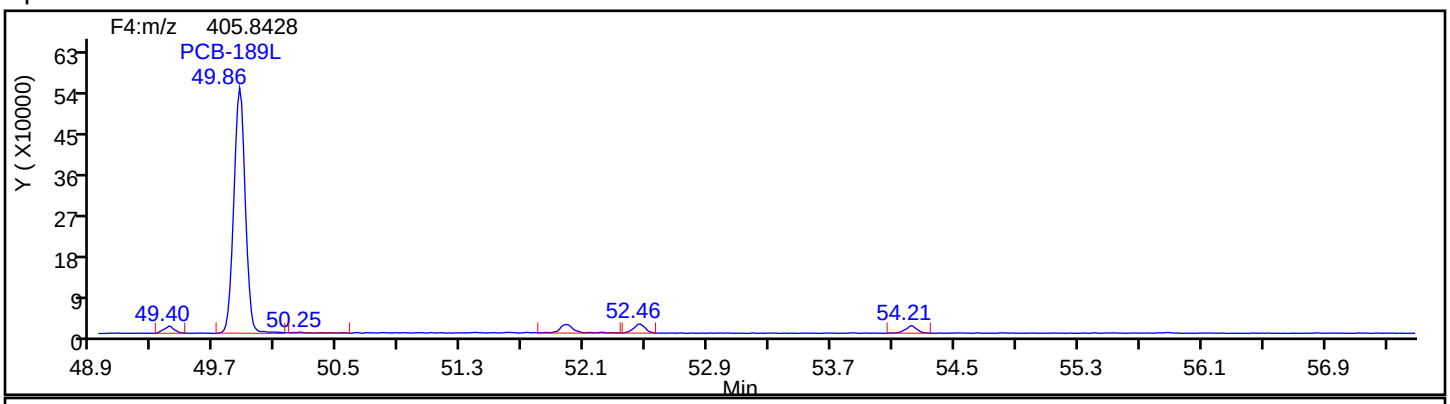
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

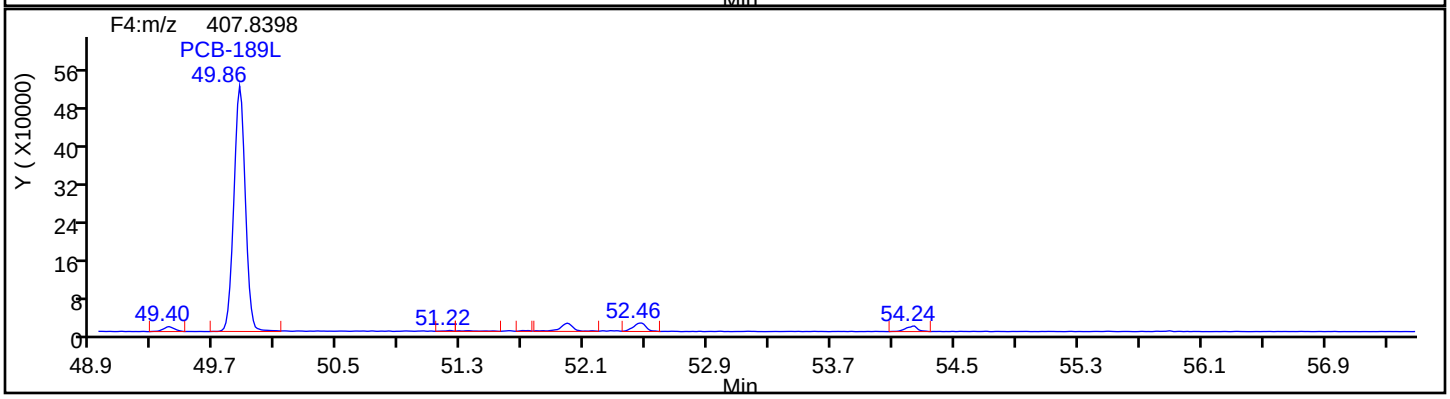
HpPCB F4




HpPCB F4 Standards

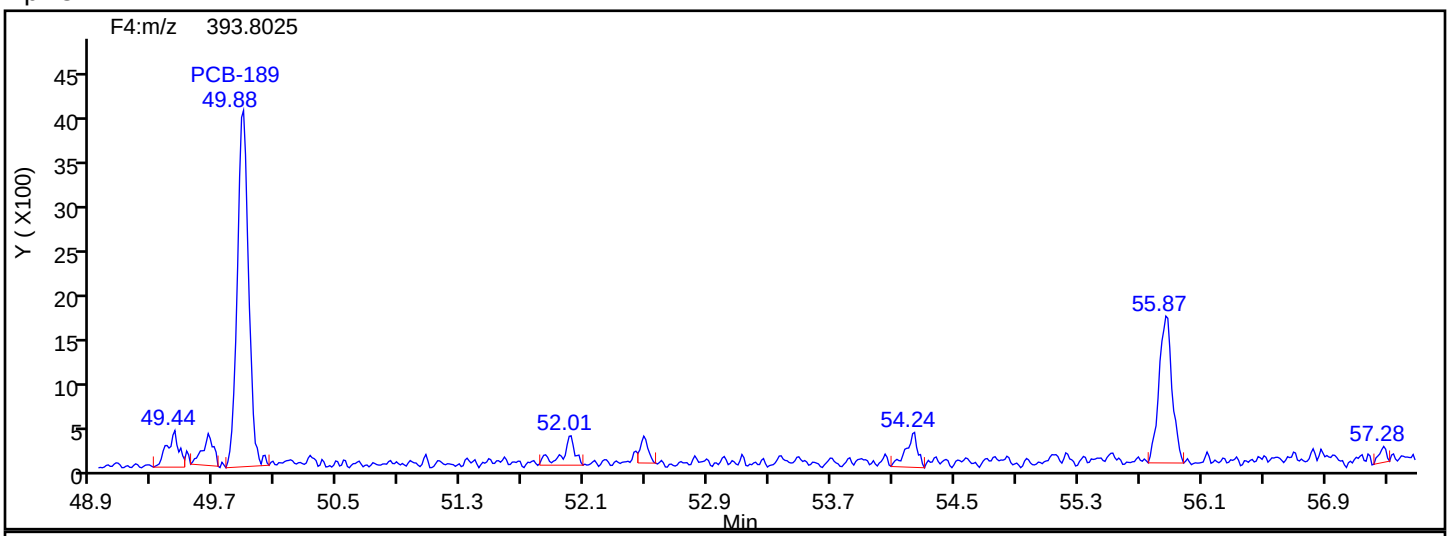


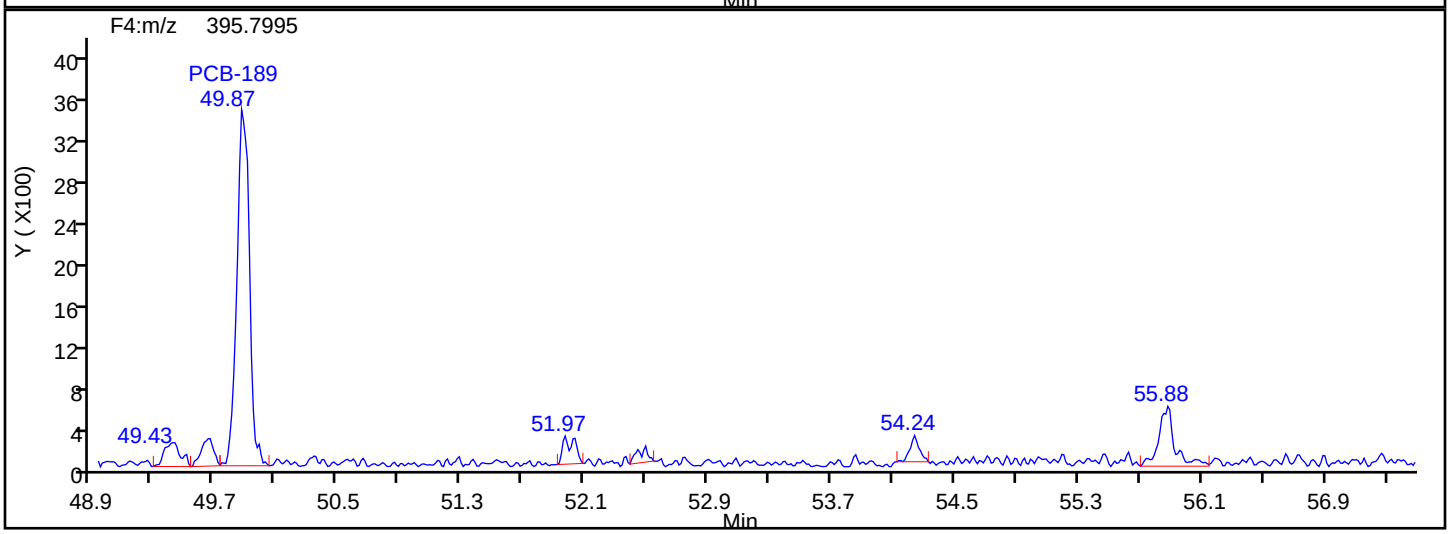



Eurofins TestAmerica, Knoxville

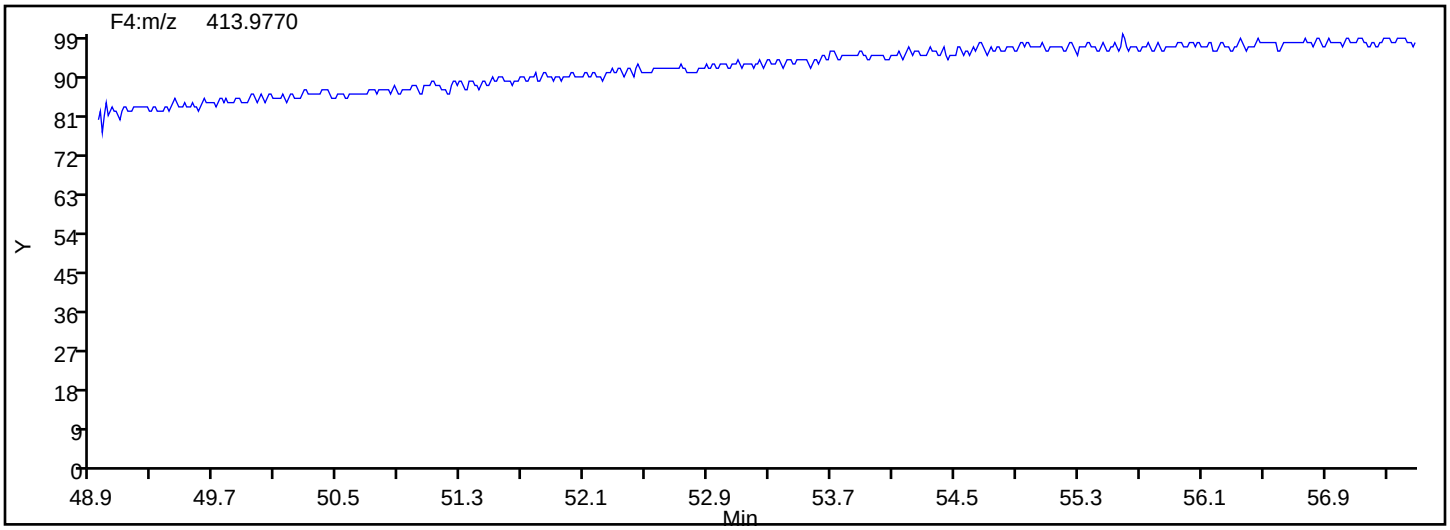
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



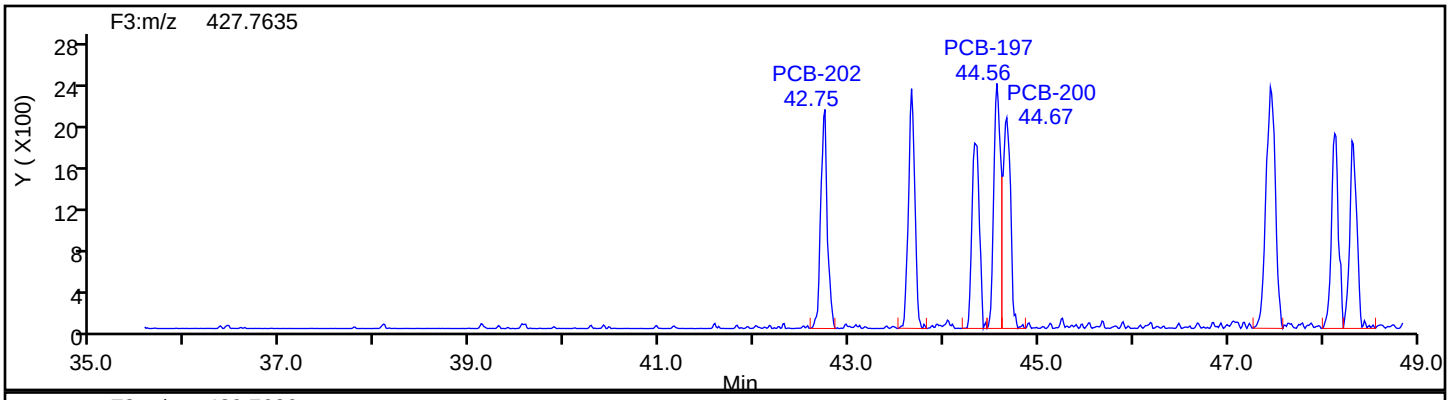

HpPCB F4 Lock Mass

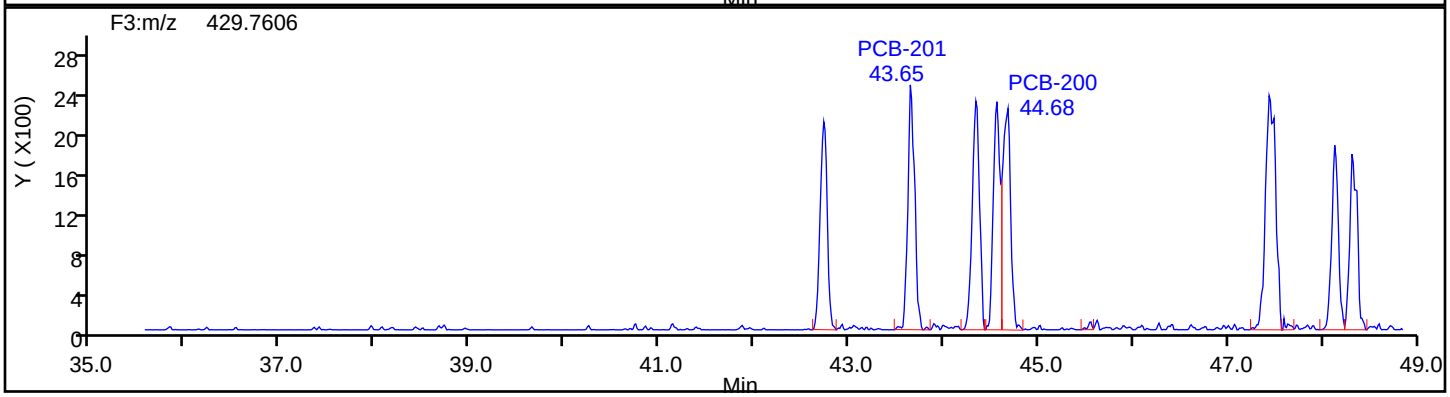


Eurofins TestAmerica, Knoxville

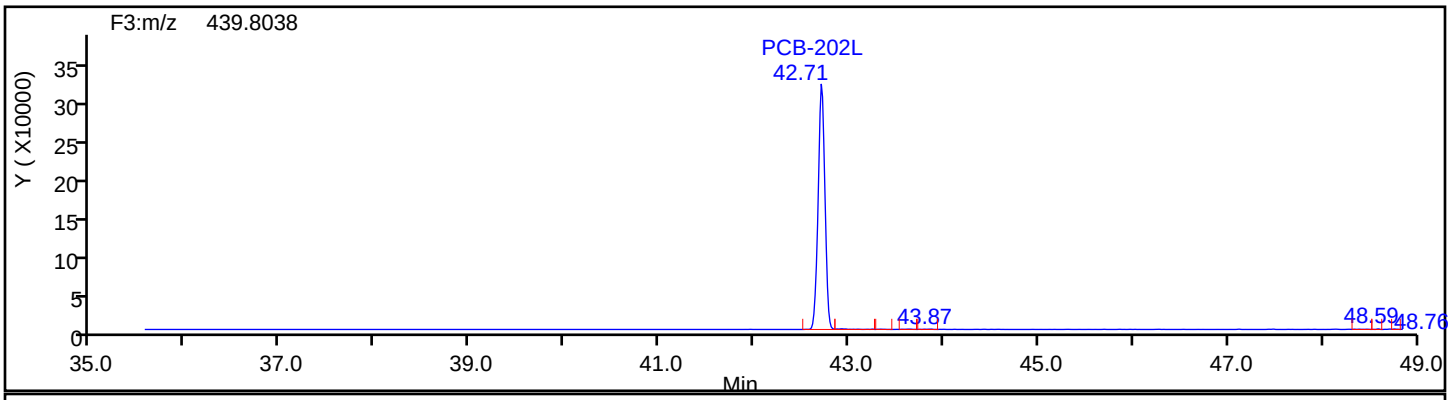
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

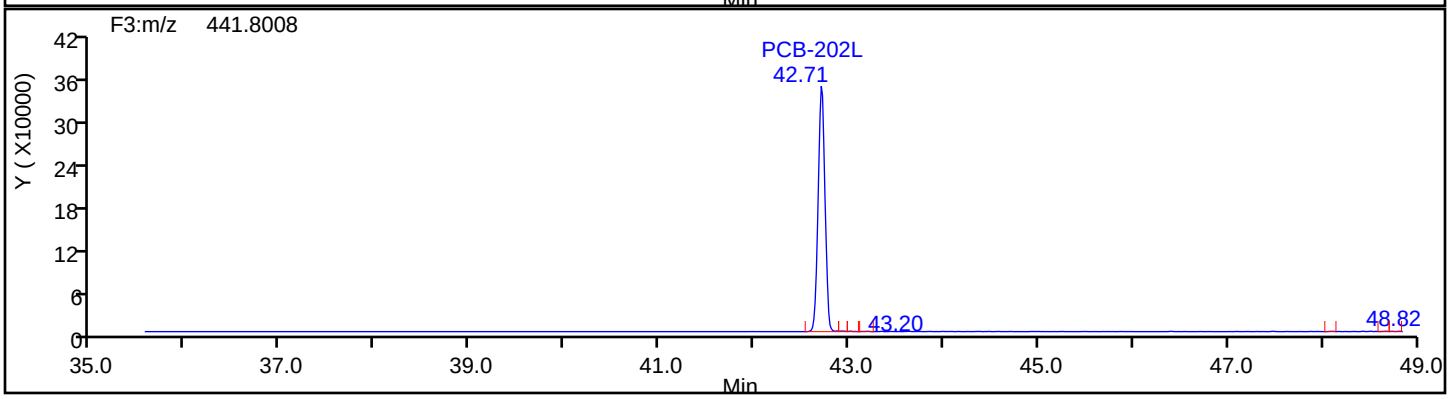
OcPCB F3




OcPCB F3 Standards

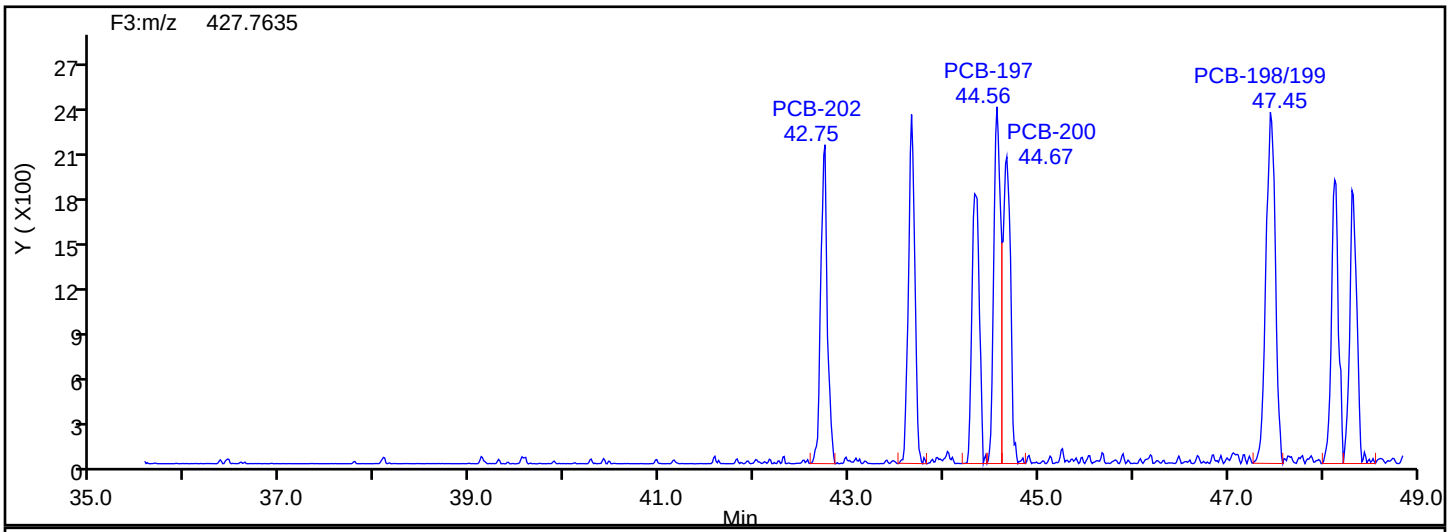


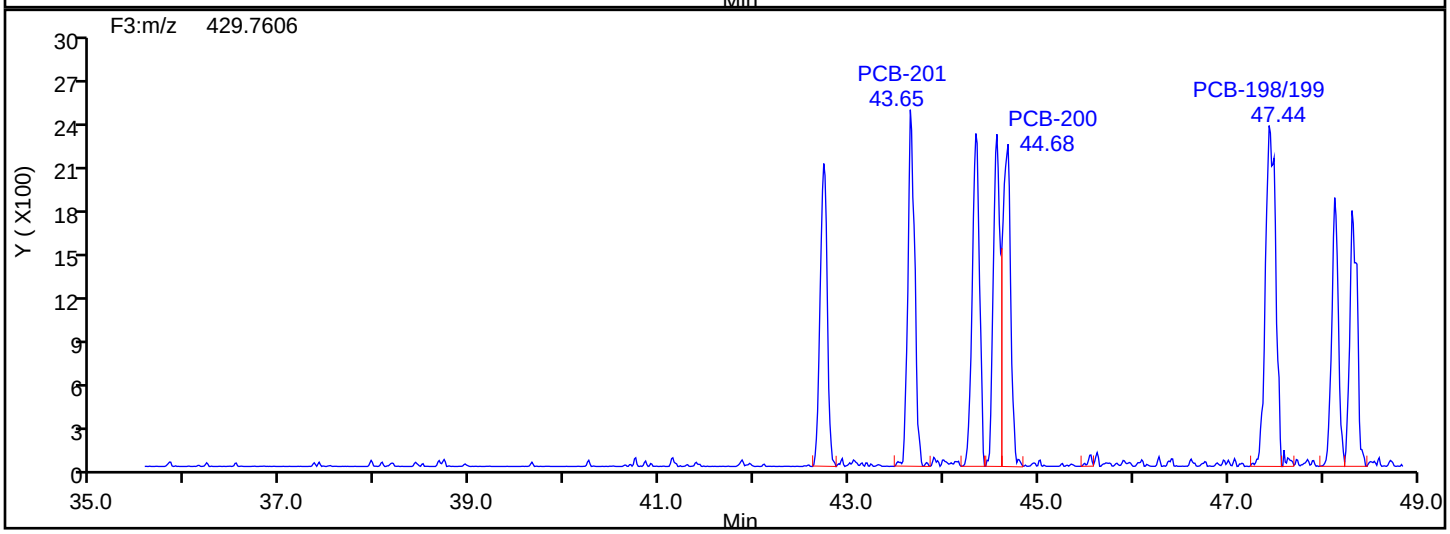



Eurofins TestAmerica, Knoxville

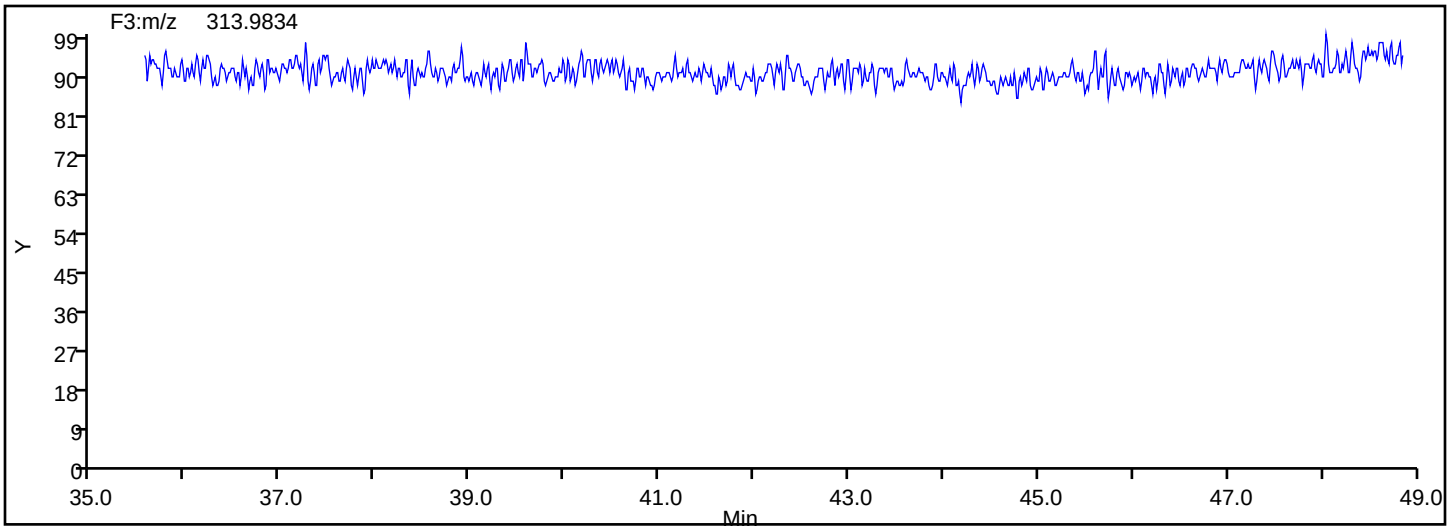
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

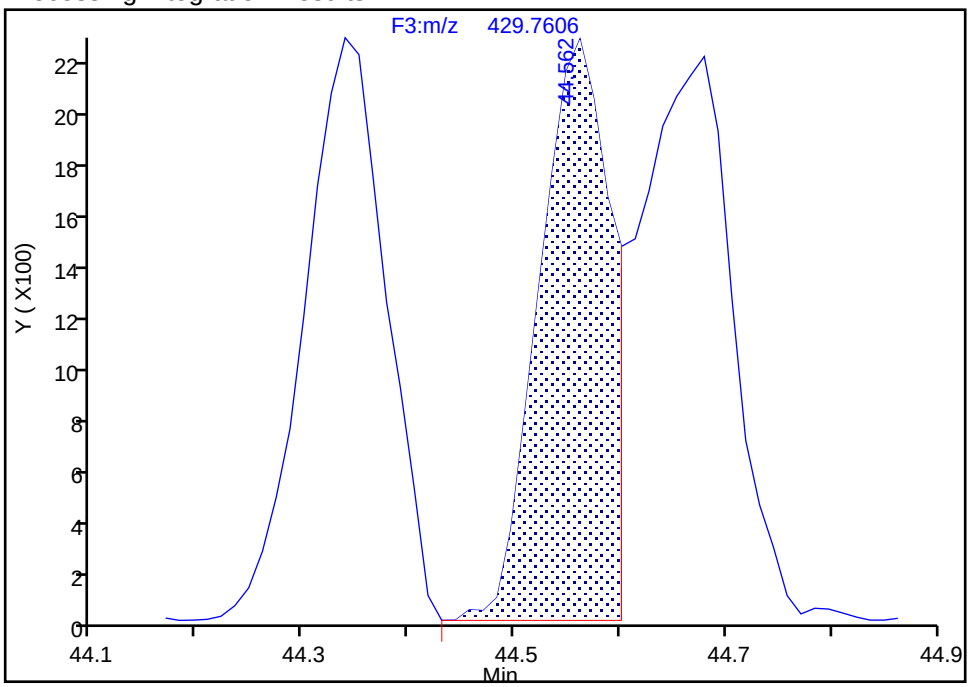
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-197, CAS: 33091-17-7

Signal: 2

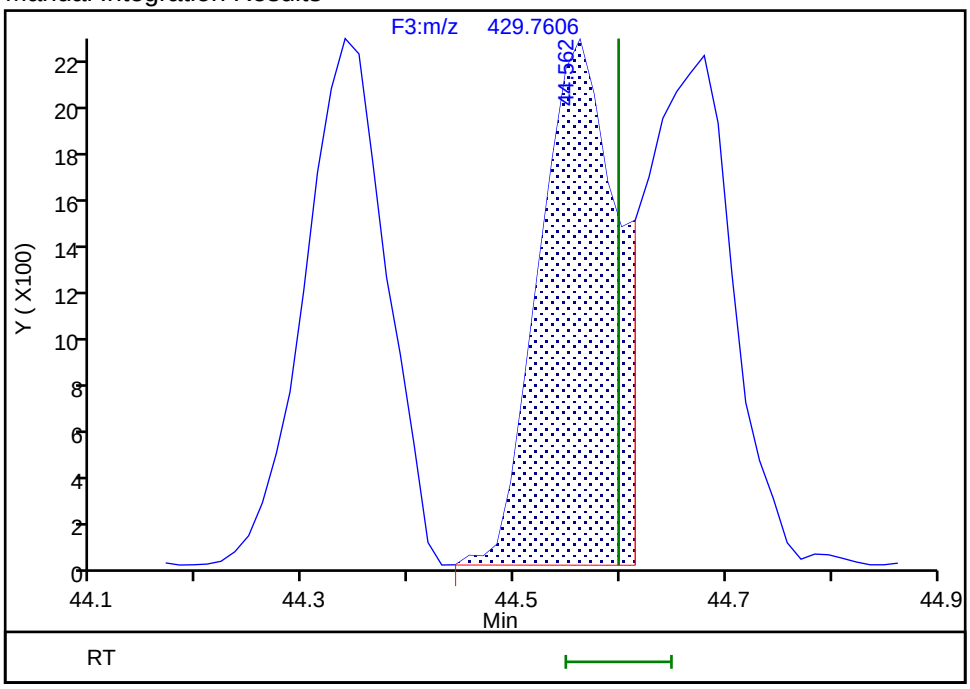
Processing Integration Results

RT: 44.56
Area: 10312
Amount: 0.536866
Amount Units: pg/ul




Manual Integration Results

RT: 44.56
Area: 11468
Amount: 0.561988
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:31:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

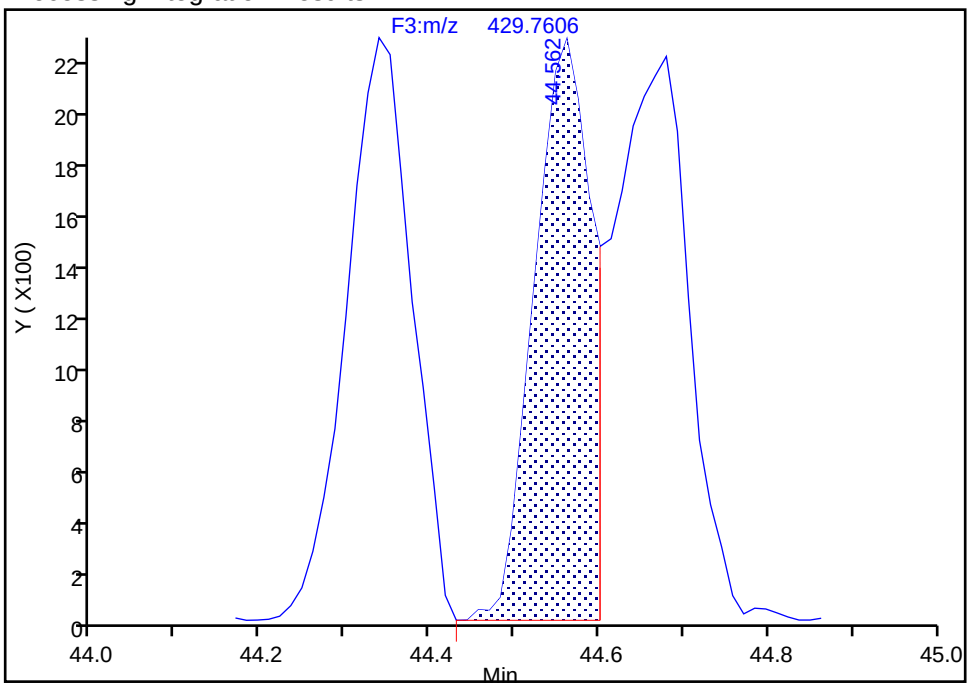
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-197, CAS: 33091-17-7

Signal: 3

Processing Integration Results

RT: 44.56
Area: 21531
Amount: 0.536866
Amount Units: pg/ul




Manual Integration Results

RT: 44.56
Area: 22687
Amount: 0.561988
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:31:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

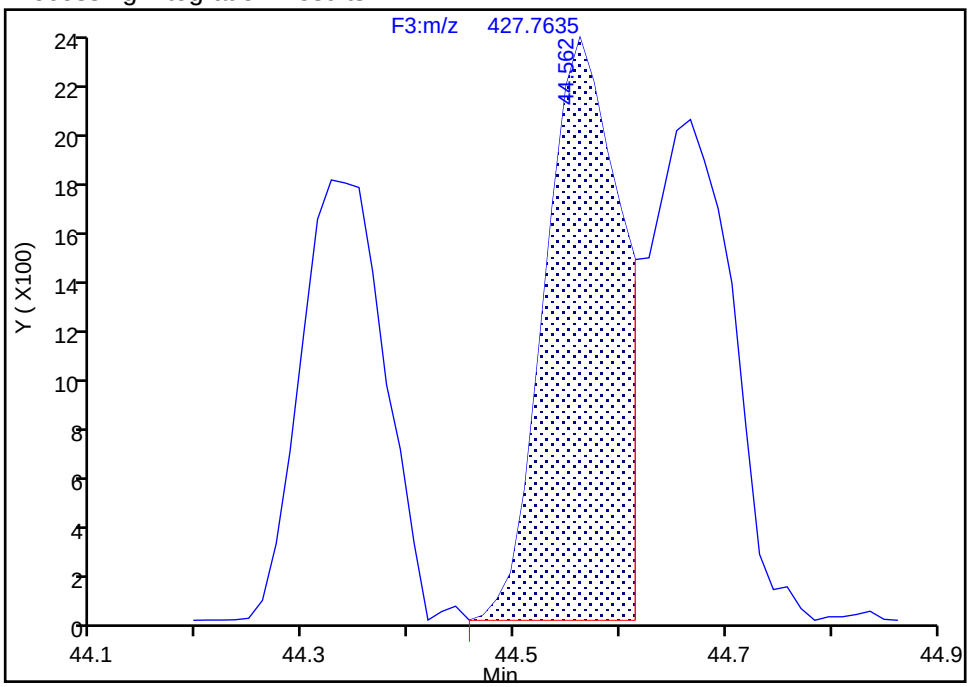
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-197, CAS: 33091-17-7

Signal: 1

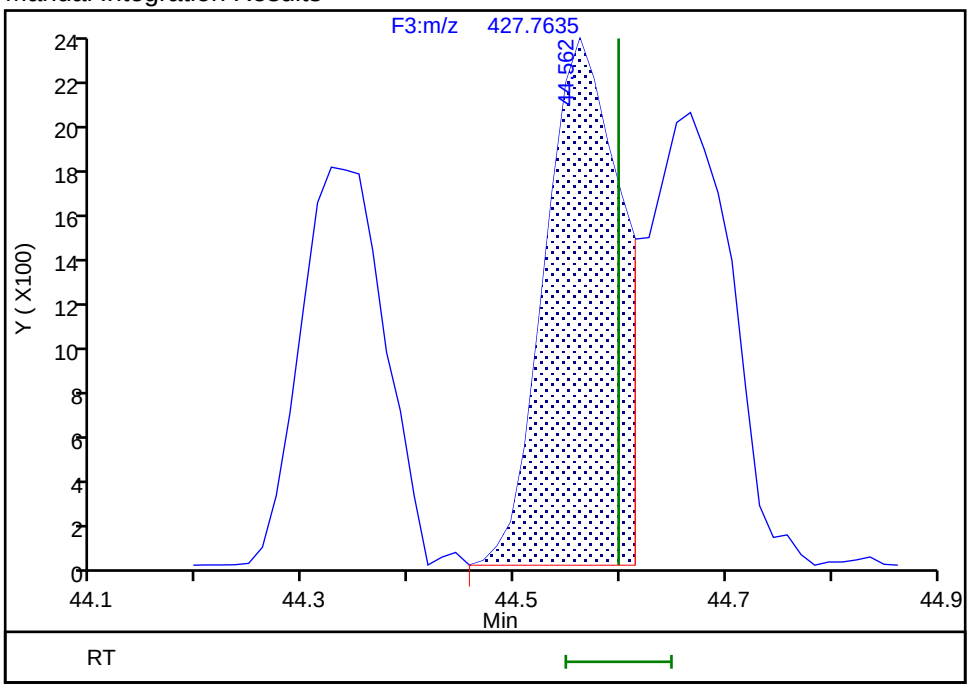
Processing Integration Results

RT: 44.56
Area: 11219
Amount: 0.536866
Amount Units: pg/ul




Manual Integration Results

RT: 44.56
Area: 11219
Amount: 0.561988
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:31:51
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

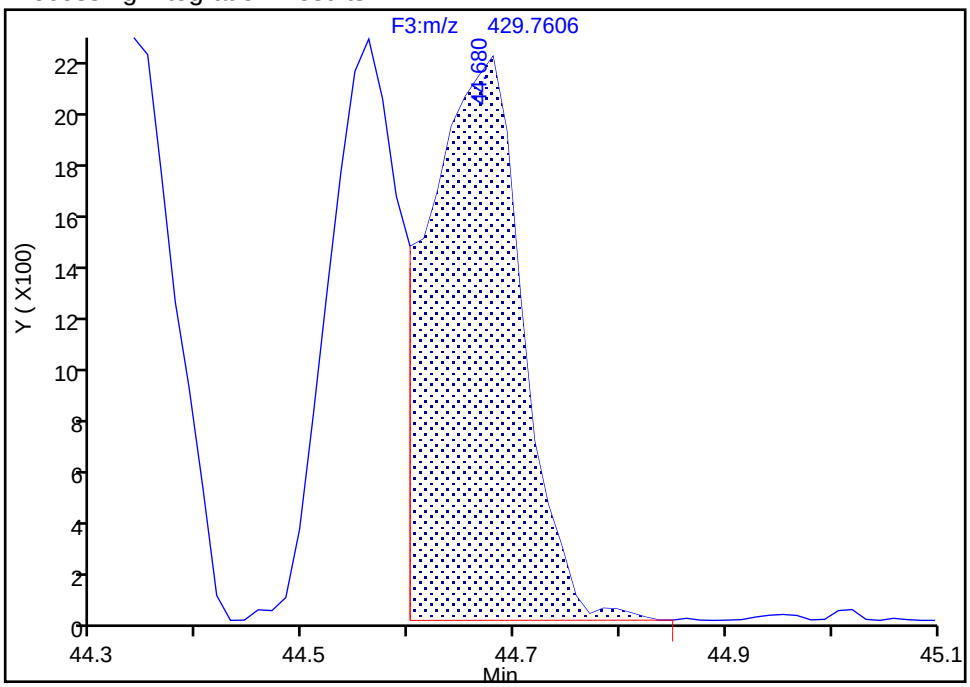
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-200, CAS: 52663-73-7

Signal: 2

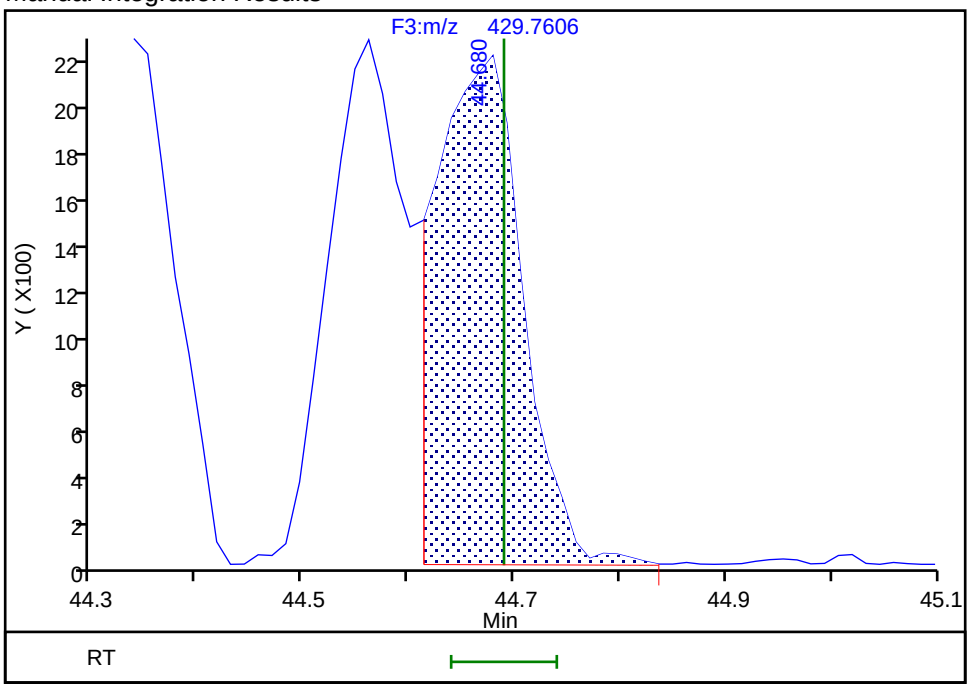
Processing Integration Results

RT: 44.68
Area: 13313
Amount: 0.639925
Amount Units: pg/ul




Manual Integration Results

RT: 44.68
Area: 12202
Amount: 0.614952
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:31:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

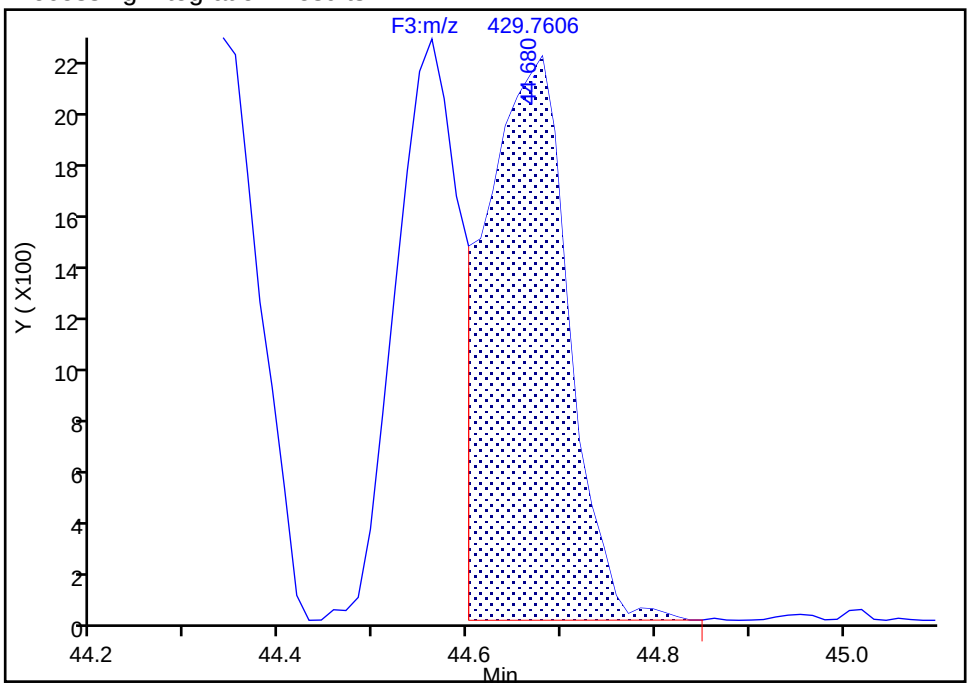
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-200, CAS: 52663-73-7

Signal: 3

Processing Integration Results

RT: 44.67
Area: 24304
Amount: 0.639925
Amount Units: pg/ul




Manual Integration Results

RT: 44.67
Area: 23193
Amount: 0.614952
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:31:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

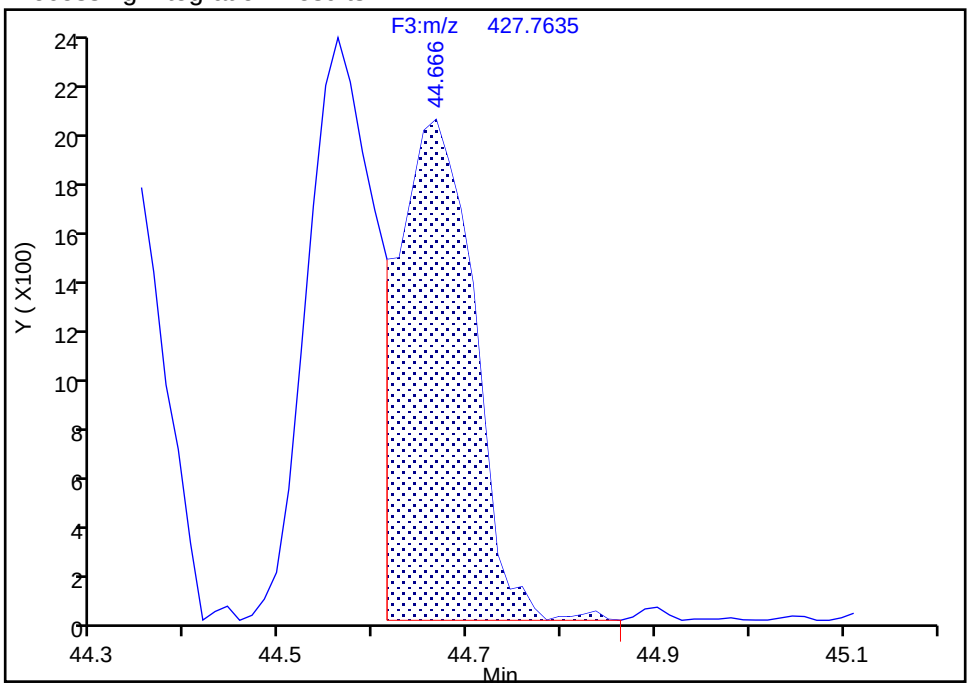
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-200, CAS: 52663-73-7

Signal: 1

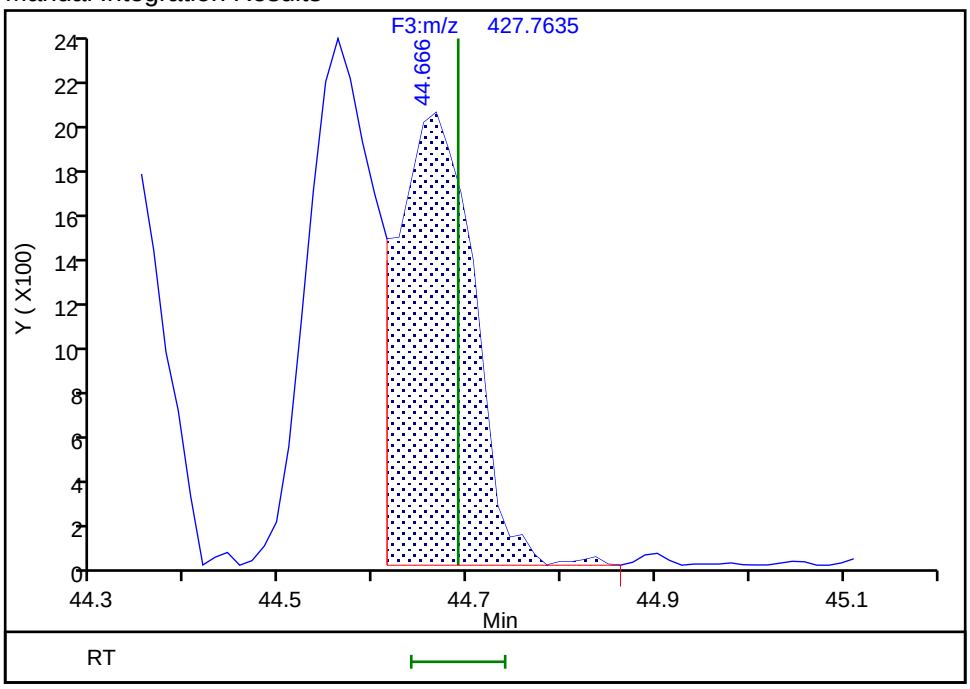
Processing Integration Results

RT: 44.67
Area: 10991
Amount: 0.639925
Amount Units: pg/ul




Manual Integration Results

RT: 44.67
Area: 10991
Amount: 0.614952
Amount Units: pg/ul

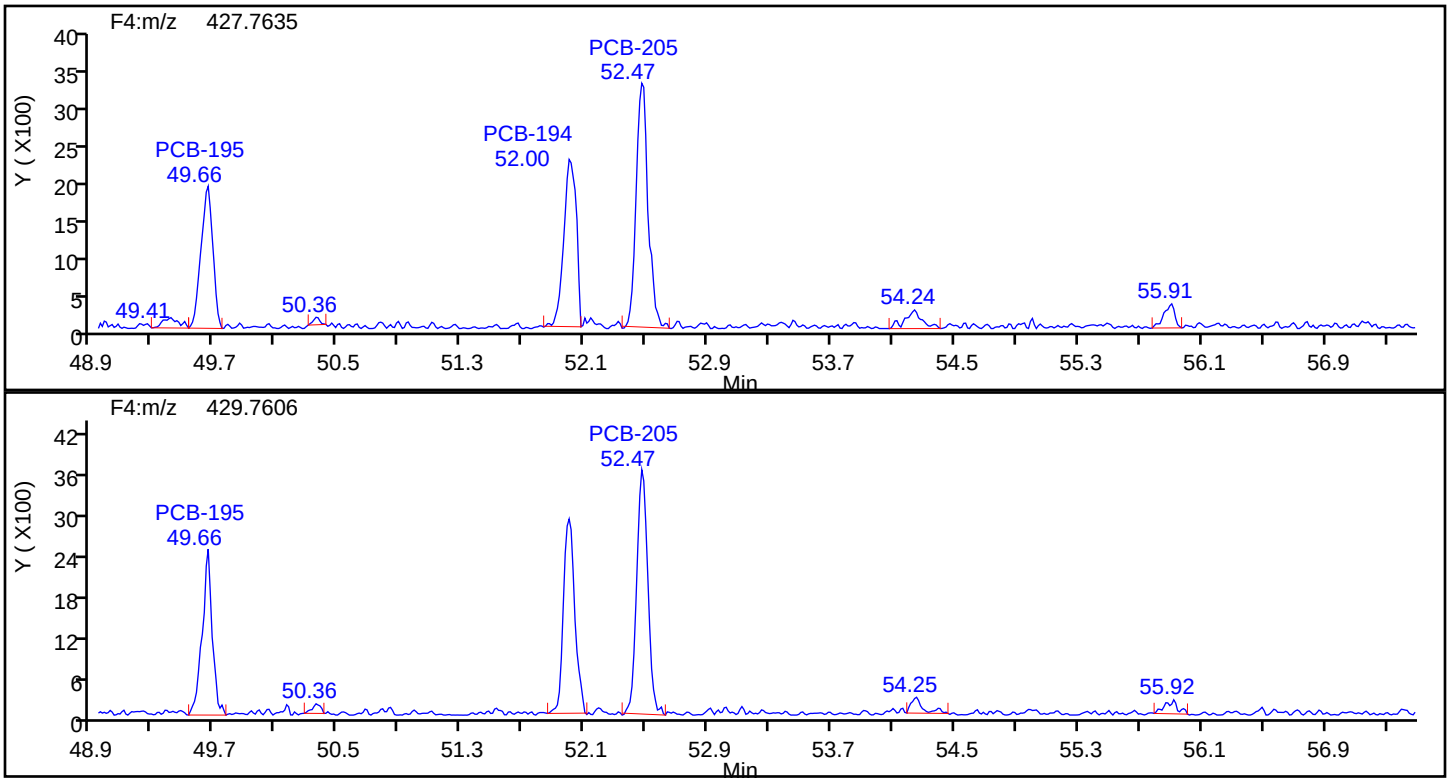



Reviewer: mcwhirterl, 21-Aug-2019 20:31:55
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

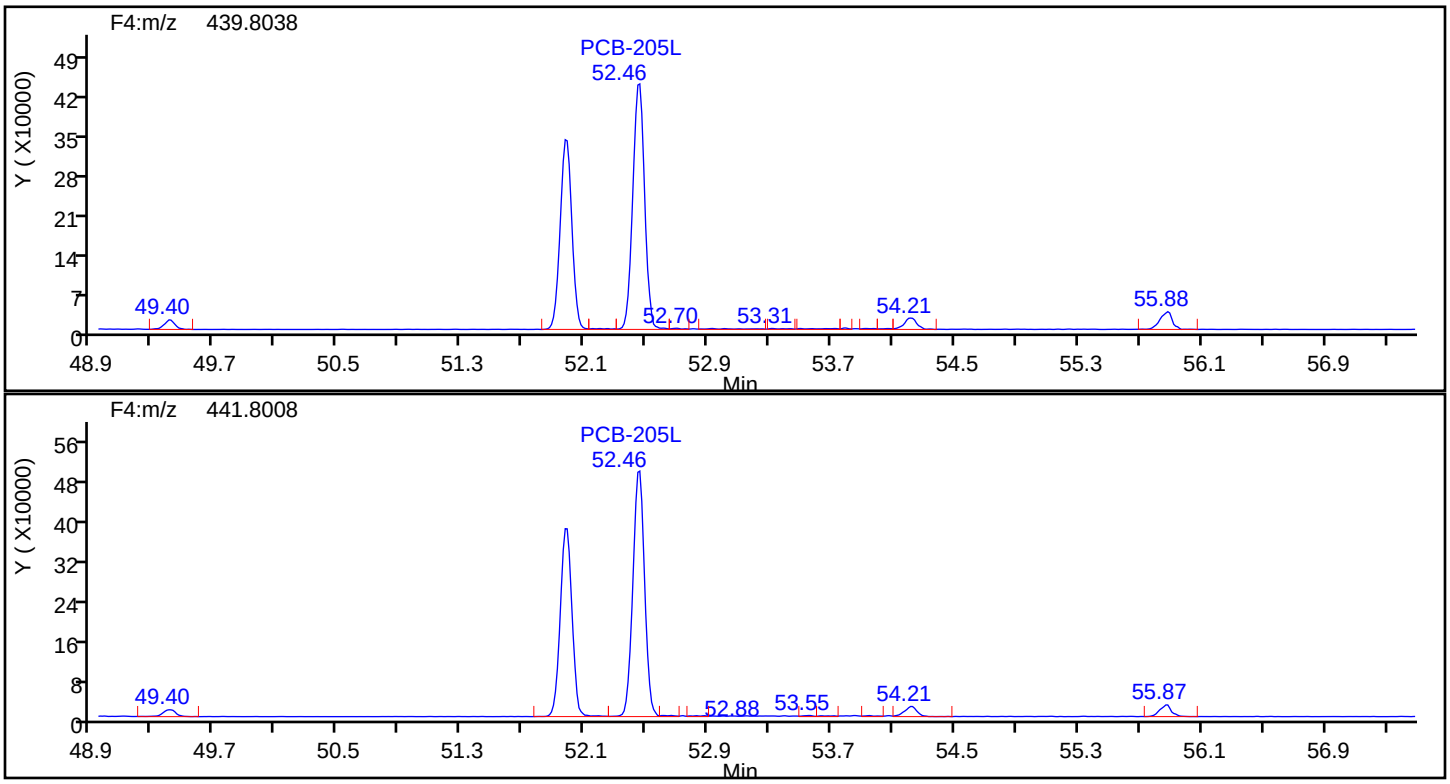
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



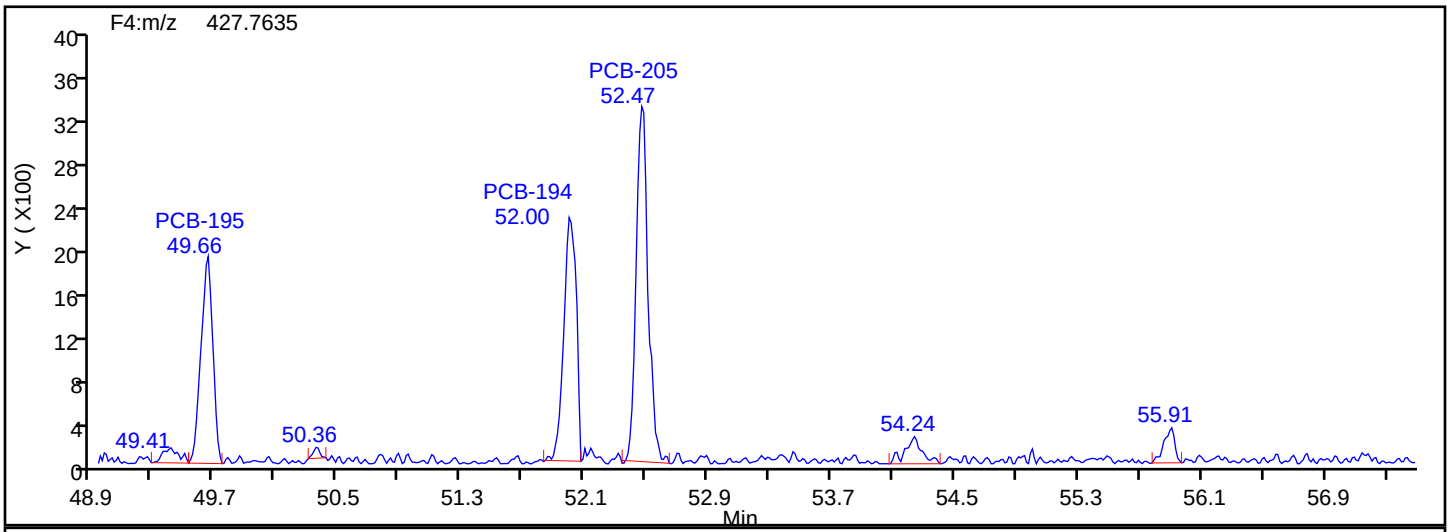

OcPCB F4 Standards

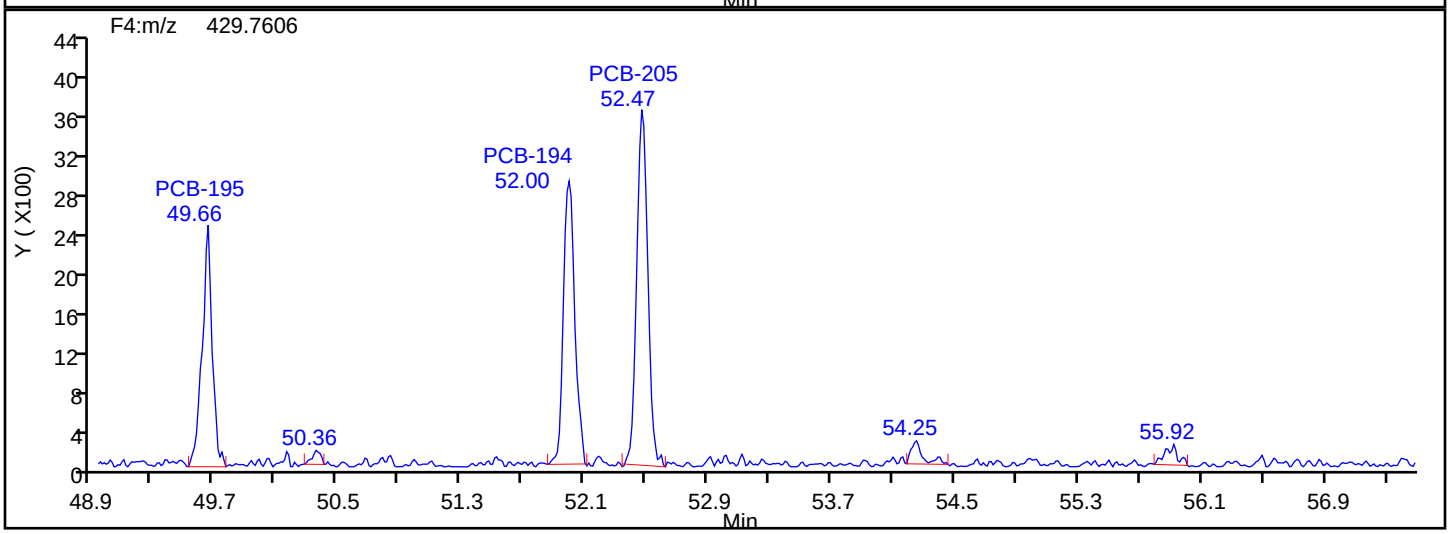


Eurofins TestAmerica, Knoxville

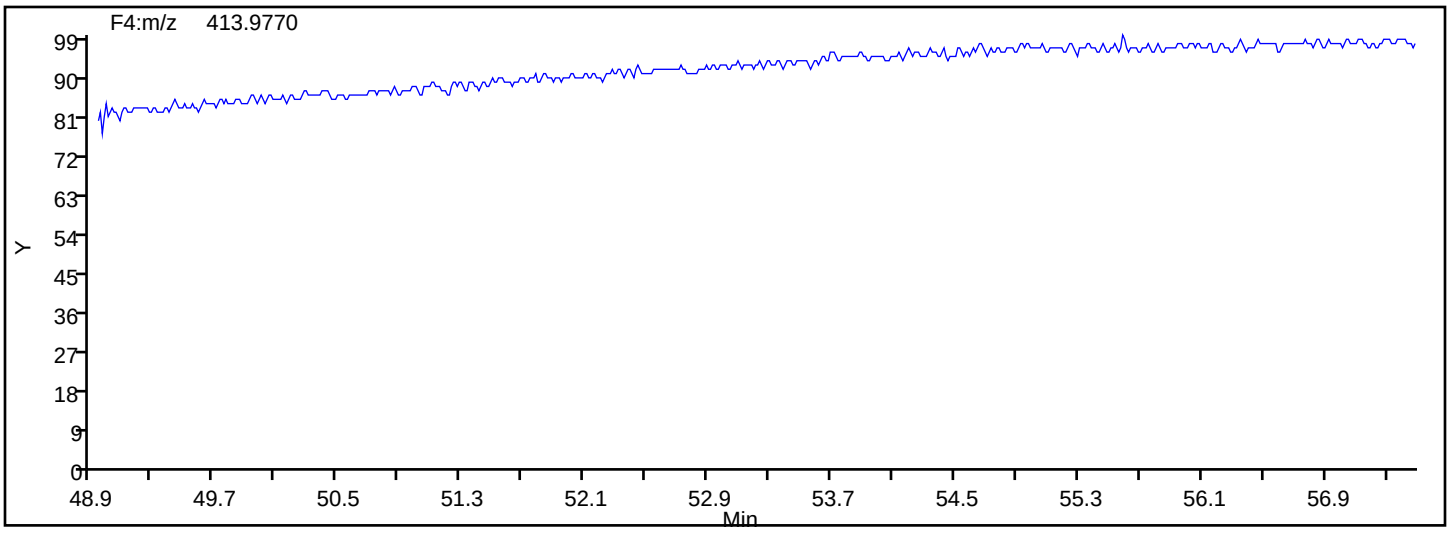
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

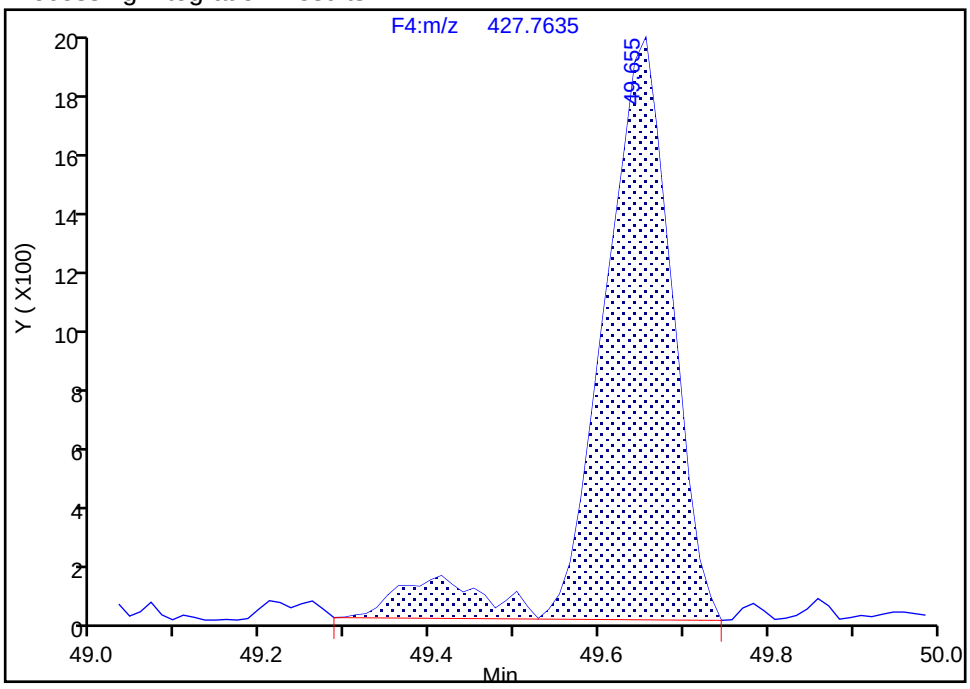
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-195, CAS: 52663-78-2

Signal: 1

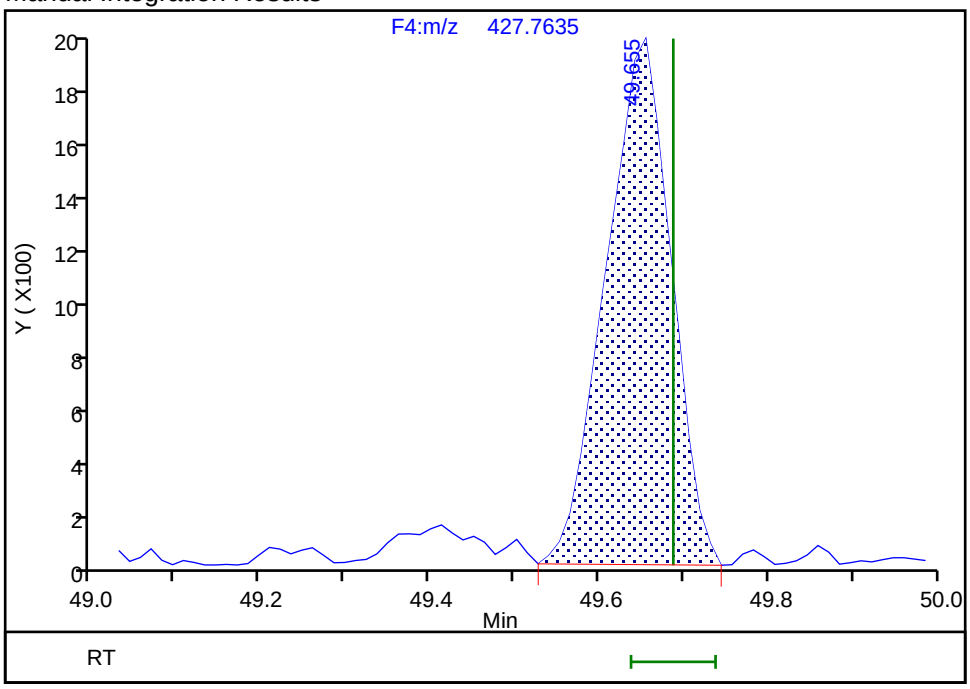
Processing Integration Results

RT: 49.66
Area: 11114
Amount: 0.534965
Amount Units: pg/ul




Manual Integration Results

RT: 49.66
Area: 10120
Amount: 0.541174
Amount Units: pg/ul



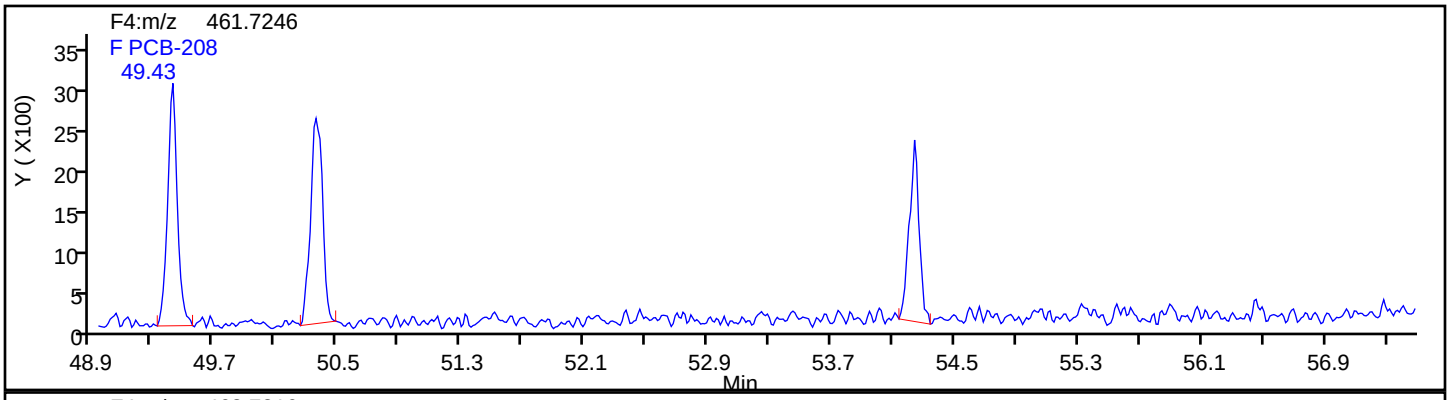

Reviewer: davidsonm, 21-Aug-2019 15:11:30

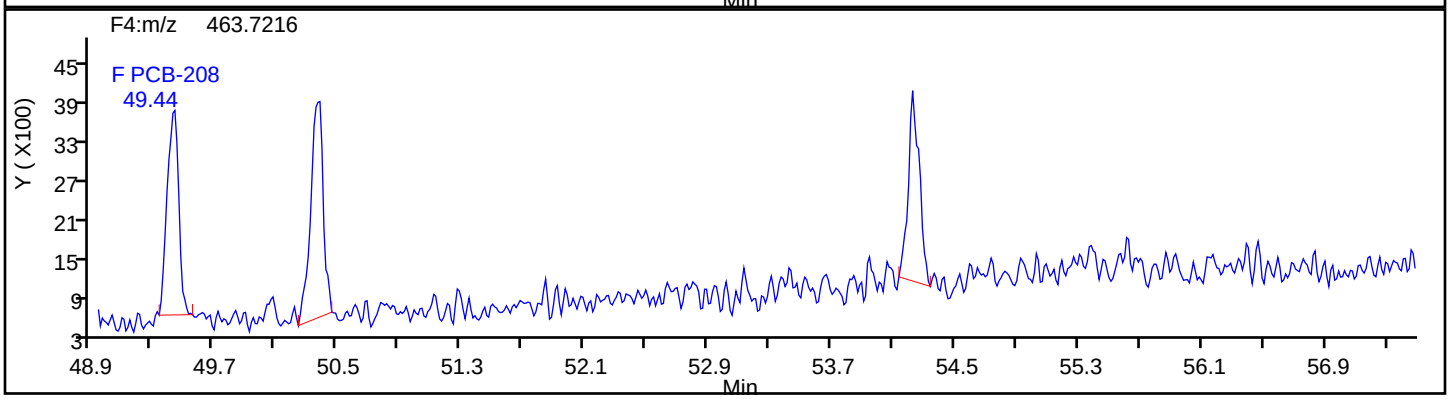
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

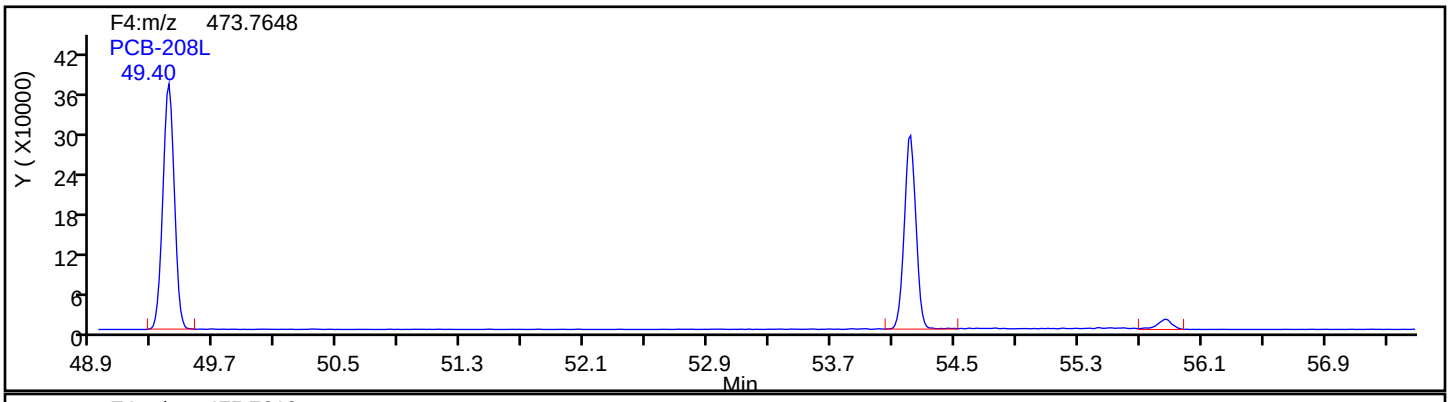
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

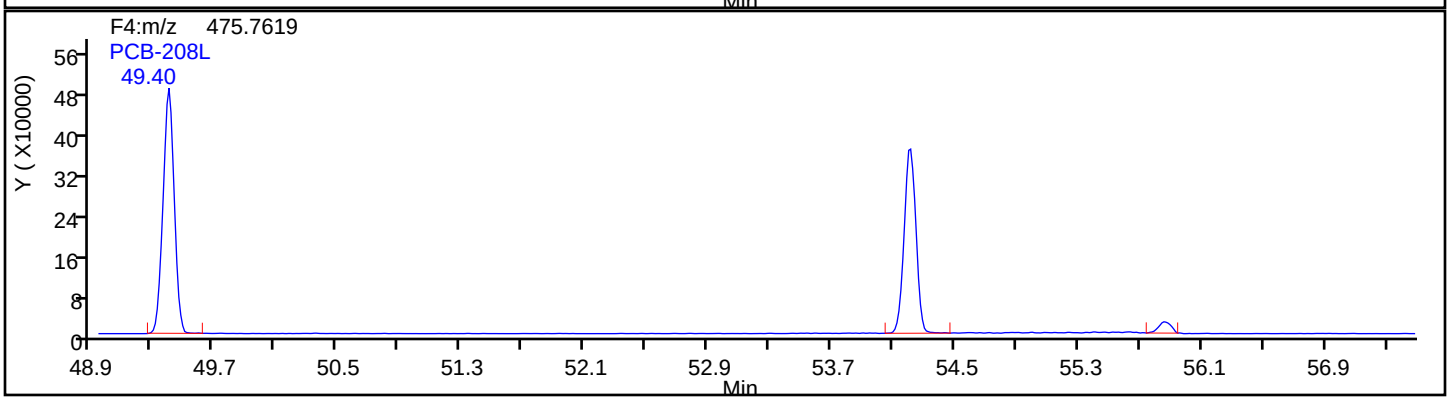
NoPCB F4




NoPCB F4 Standards

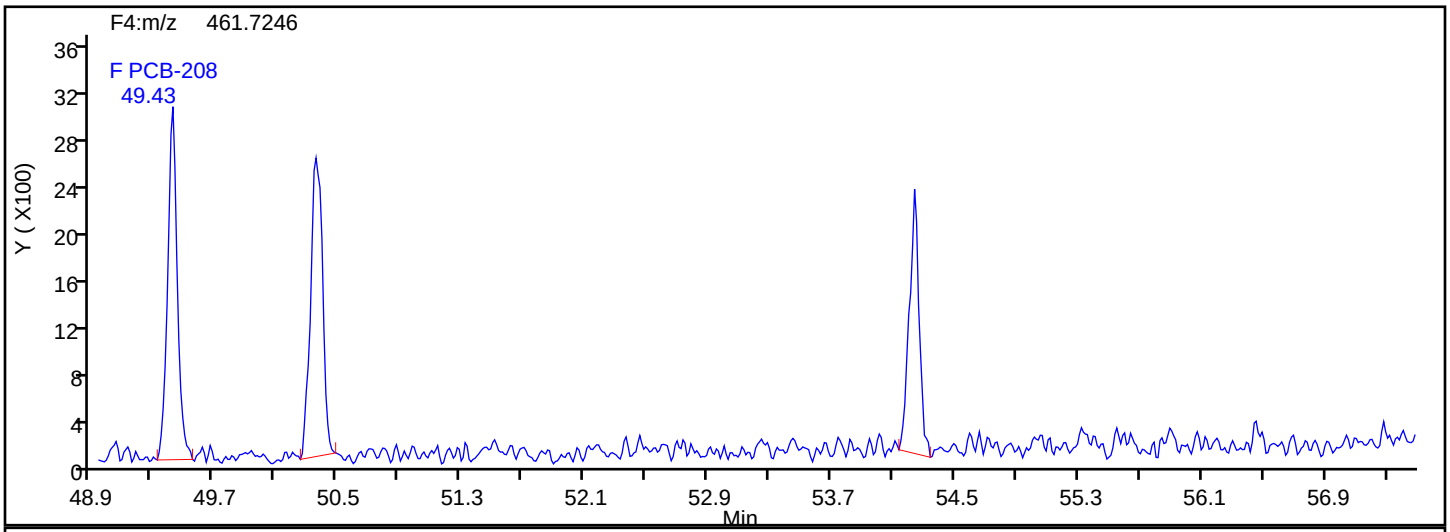


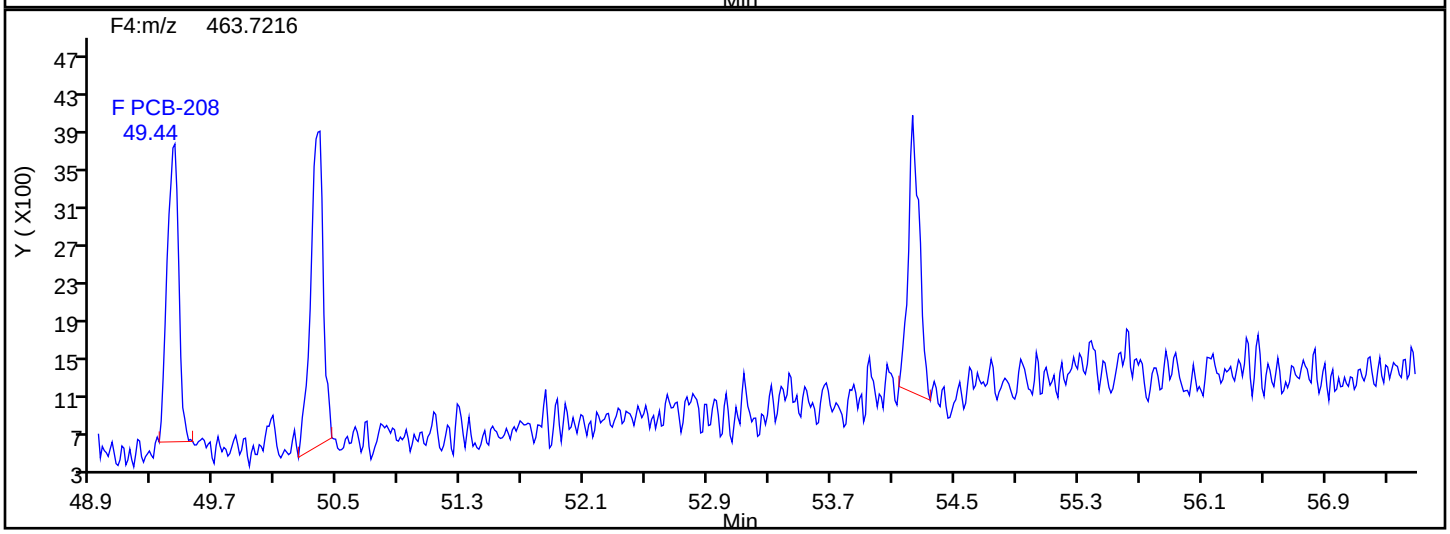



Eurofins TestAmerica, Knoxville

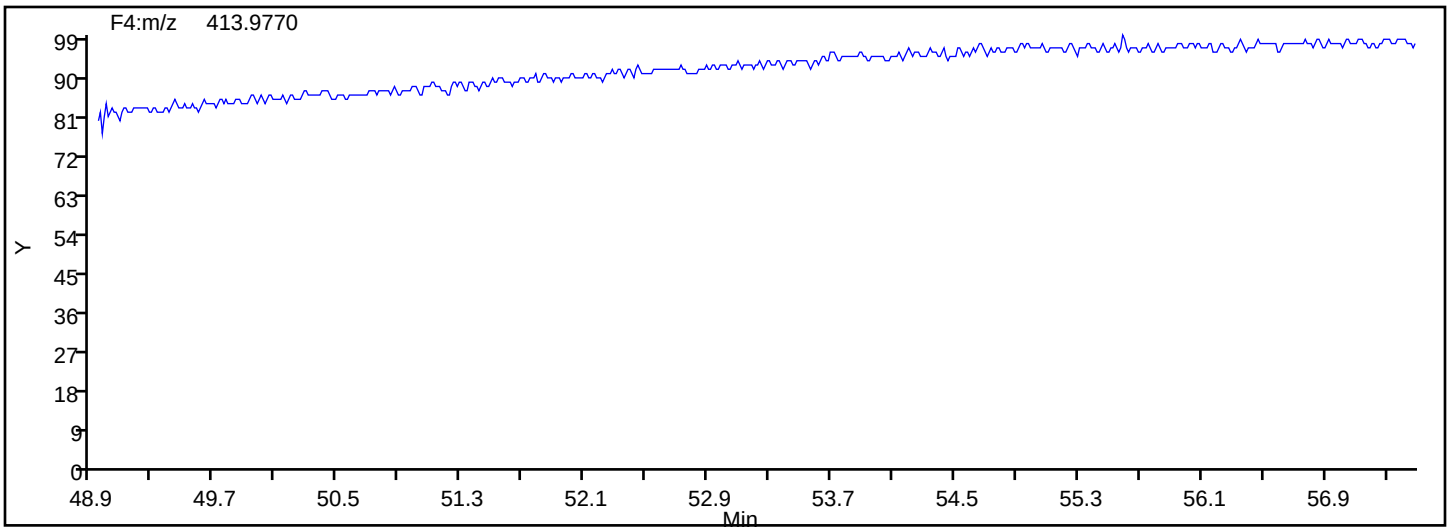
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

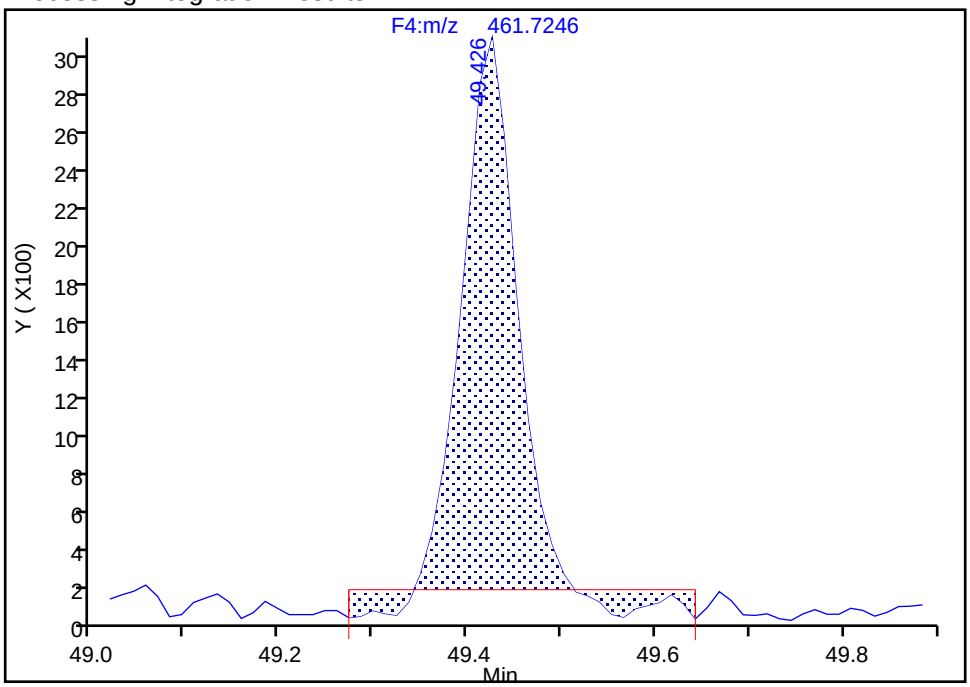
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-208, CAS: 52663-77-1

Signal: 1

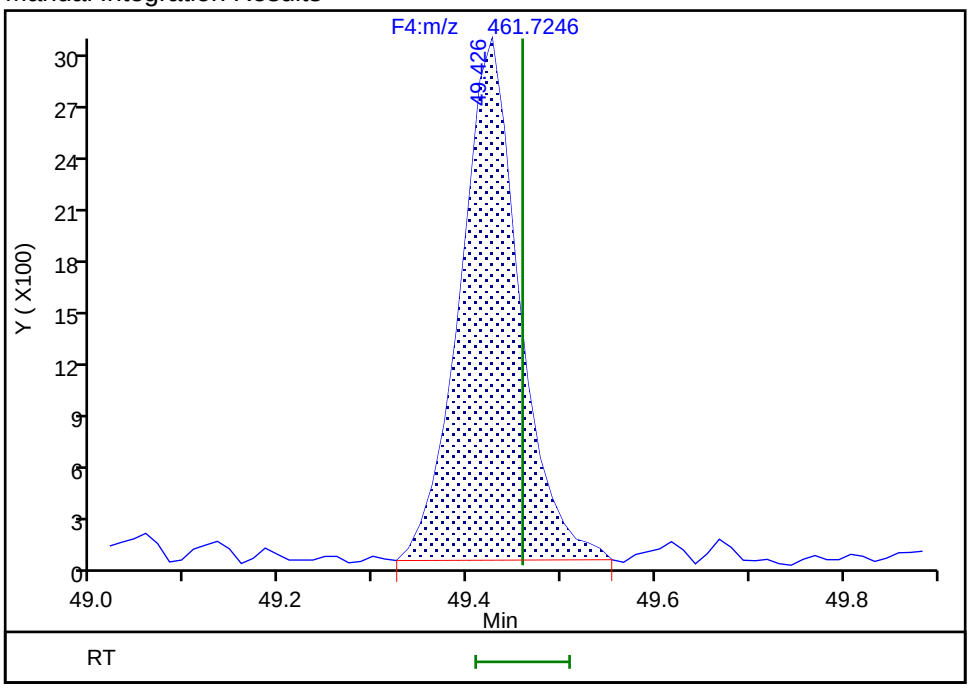
Processing Integration Results

RT: 49.43
Area: 10525
Amount: 0.475460
Amount Units: pg/ul




Manual Integration Results

RT: 49.43
Area: 13185
Amount: 0.579437
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:46:15
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

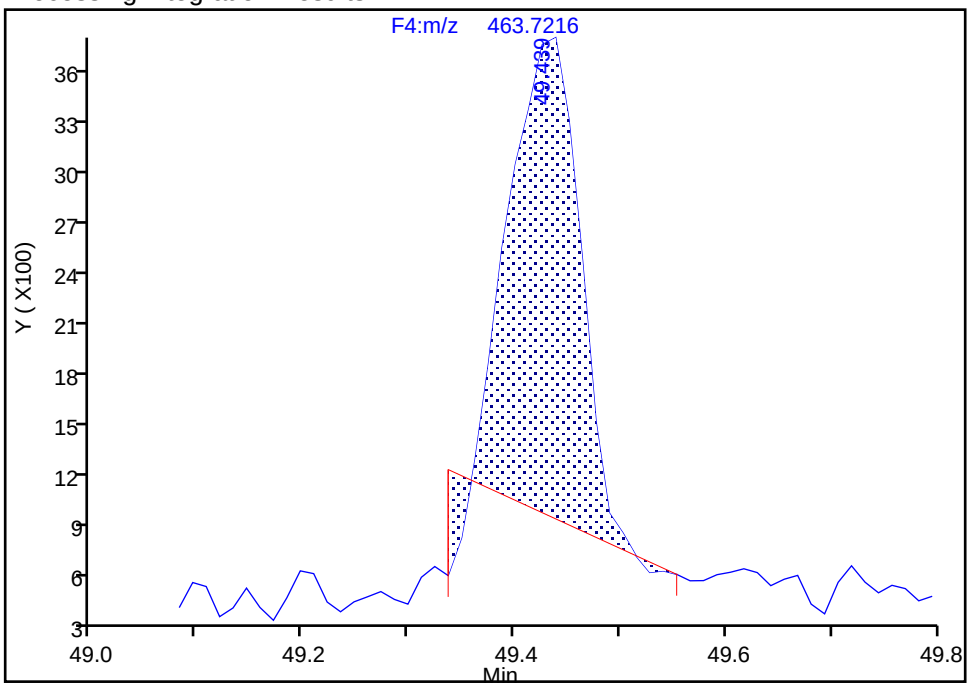
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-208, CAS: 52663-77-1

Signal: 2

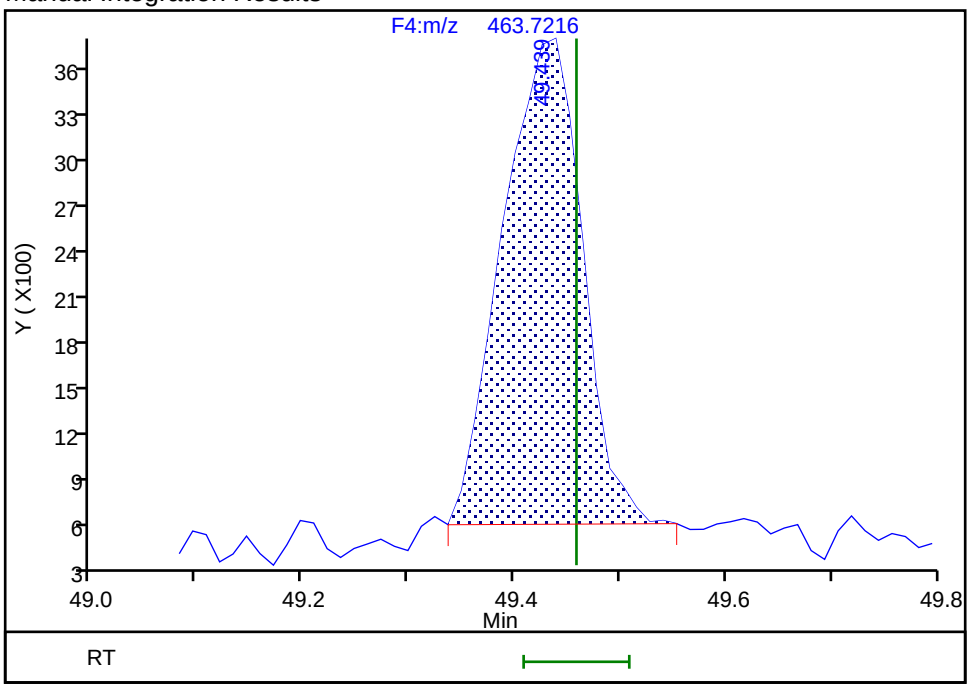
Processing Integration Results

RT: 49.44
Area: 12214
Amount: 0.475460
Amount Units: pg/ul




Manual Integration Results

RT: 49.44
Area: 16166
Amount: 0.579437
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:46:19

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

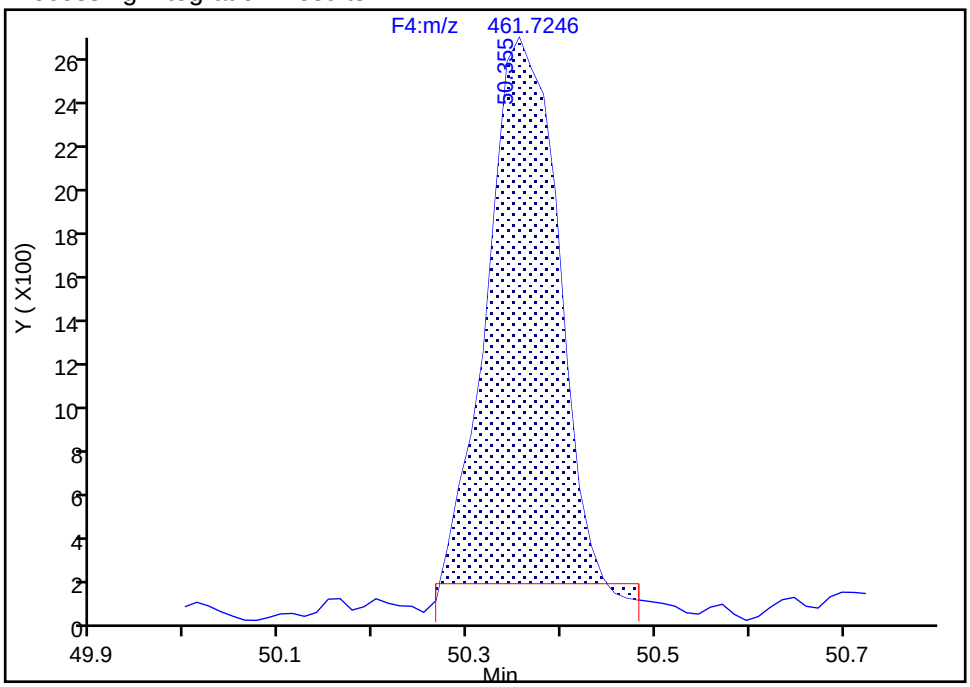
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-207, CAS: 52663-79-3

Signal: 1

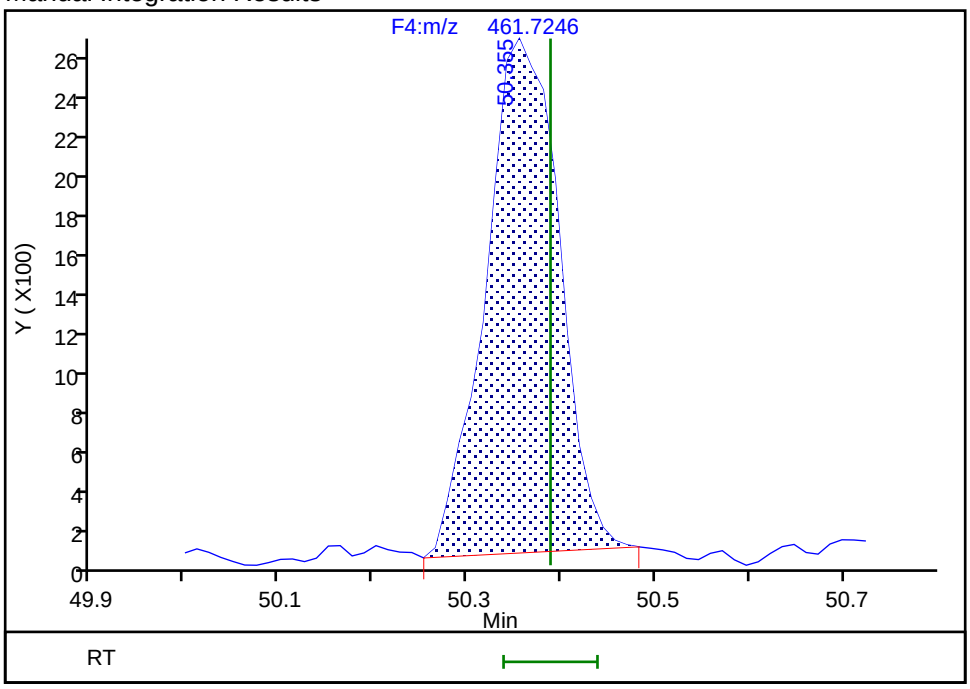
Processing Integration Results

RT: 50.36
Area: 12588
Amount: 0.493741
Amount Units: pg/ul




Manual Integration Results

RT: 50.36
Area: 13891
Amount: 0.591550
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:46:27

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

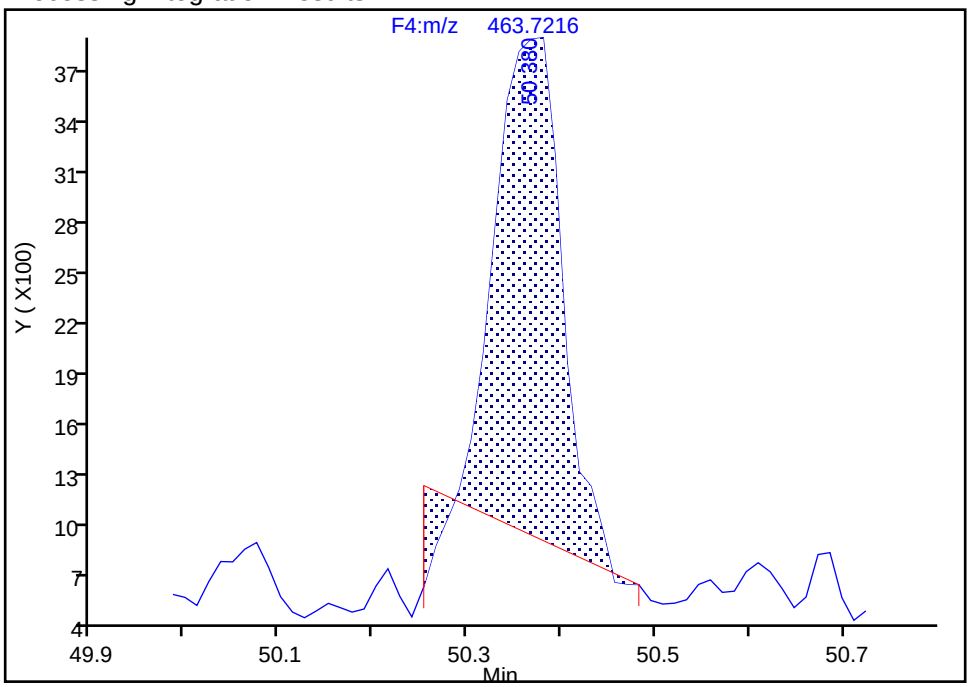
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-207, CAS: 52663-79-3

Signal: 2

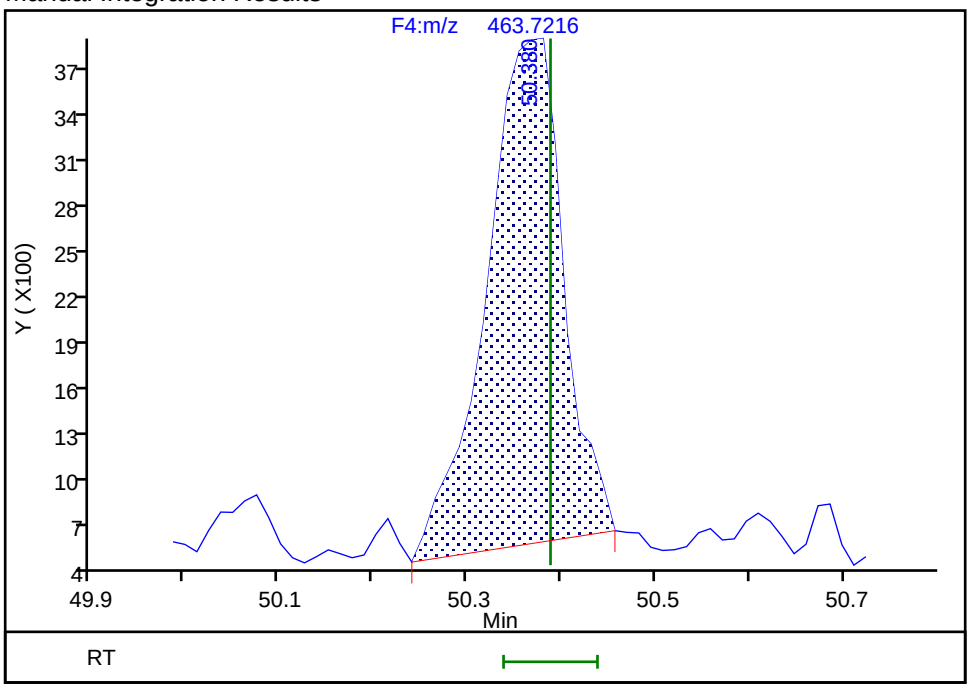
Processing Integration Results

RT: 50.38
Area: 13694
Amount: 0.493741
Amount Units: pg/ul




Manual Integration Results

RT: 50.38
Area: 18710
Amount: 0.591550
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:46:30
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

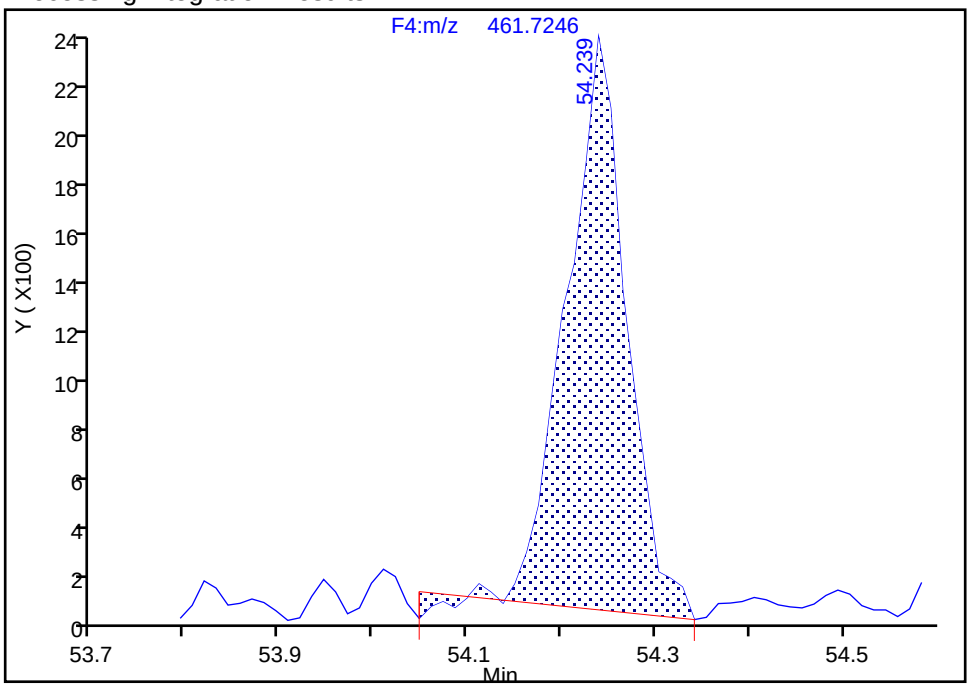
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d
Injection Date: 21-Aug-2019 13:37:00 Instrument ID: D3D
Lims ID: IC L1
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-206, CAS: 40186-72-9

Signal: 1

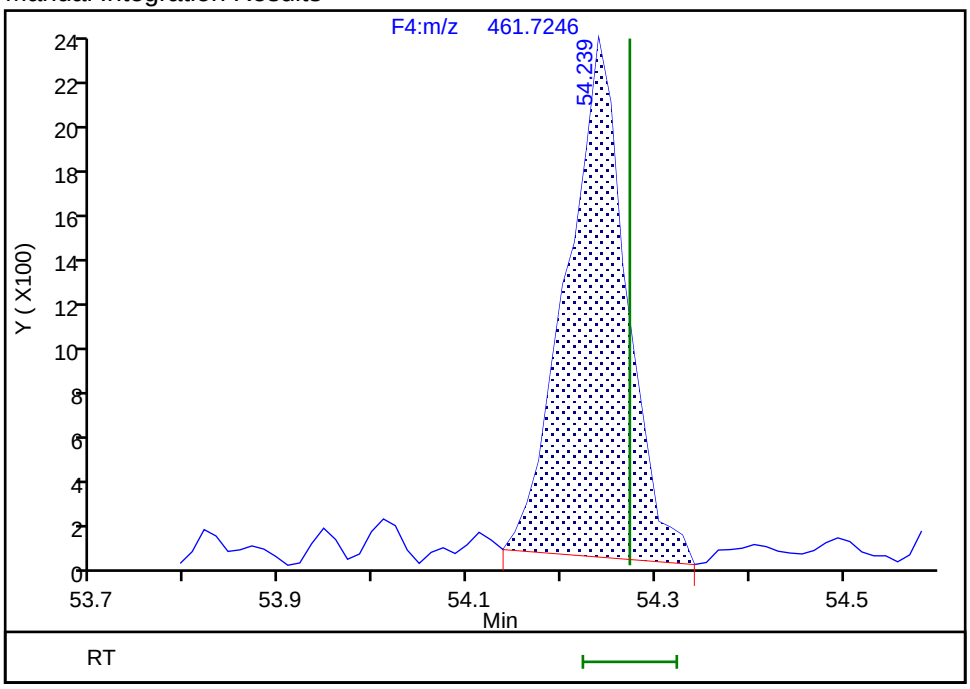
Processing Integration Results

RT: 54.24
Area: 9889
Amount: 0.529156
Amount Units: pg/ul




Manual Integration Results

RT: 54.24
Area: 10044
Amount: 0.581740
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 14:46:36
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

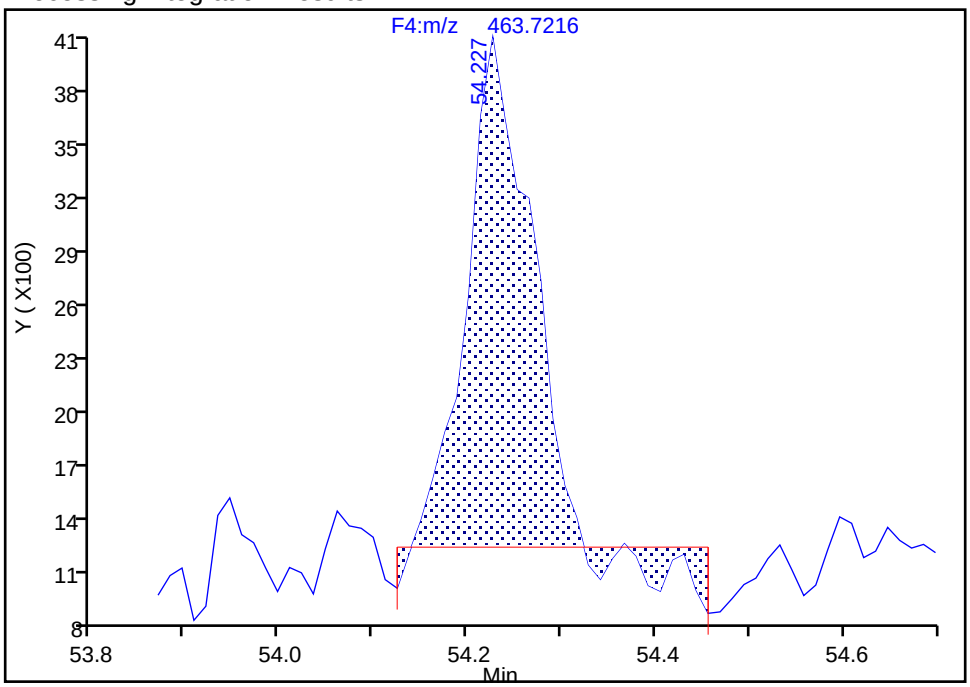
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L1 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 2

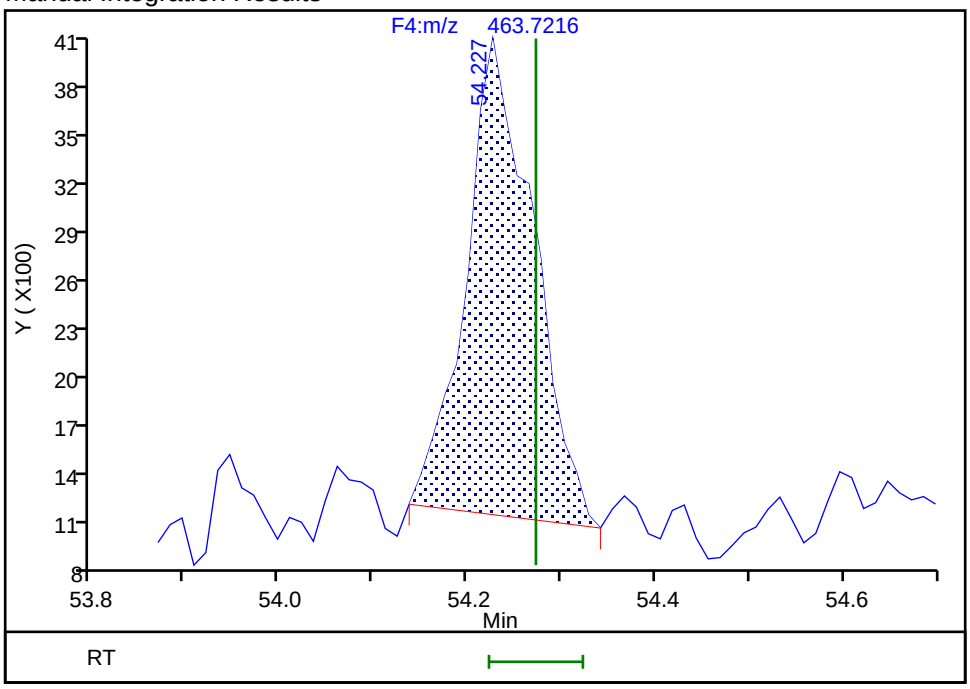
Processing Integration Results

RT: 54.23
Area: 12107
Amount: 0.529156
Amount Units: pg/ul




Manual Integration Results

RT: 54.23
Area: 14340
Amount: 0.581740
Amount Units: pg/ul



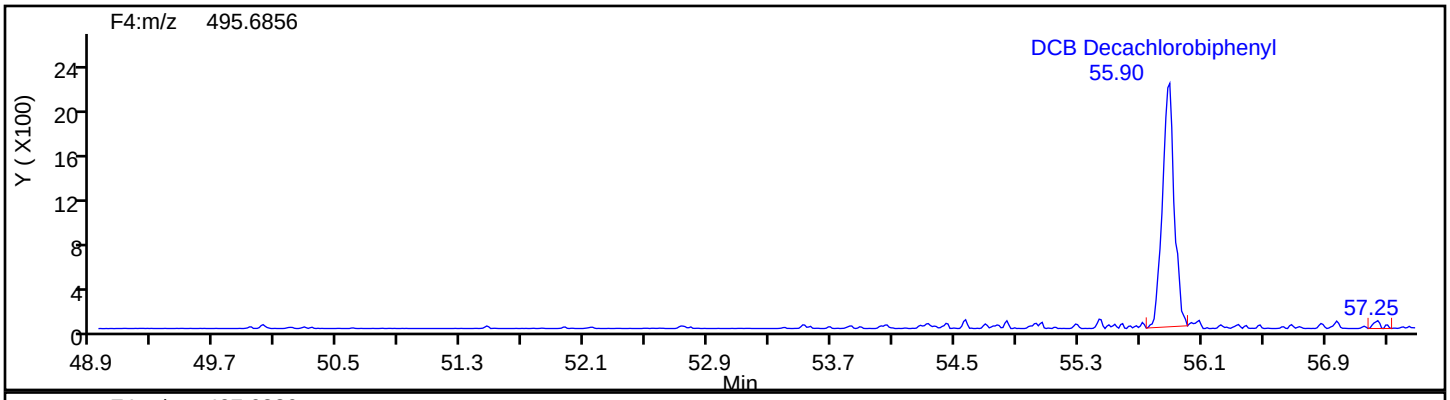

Reviewer: davidsonm, 21-Aug-2019 14:47:10

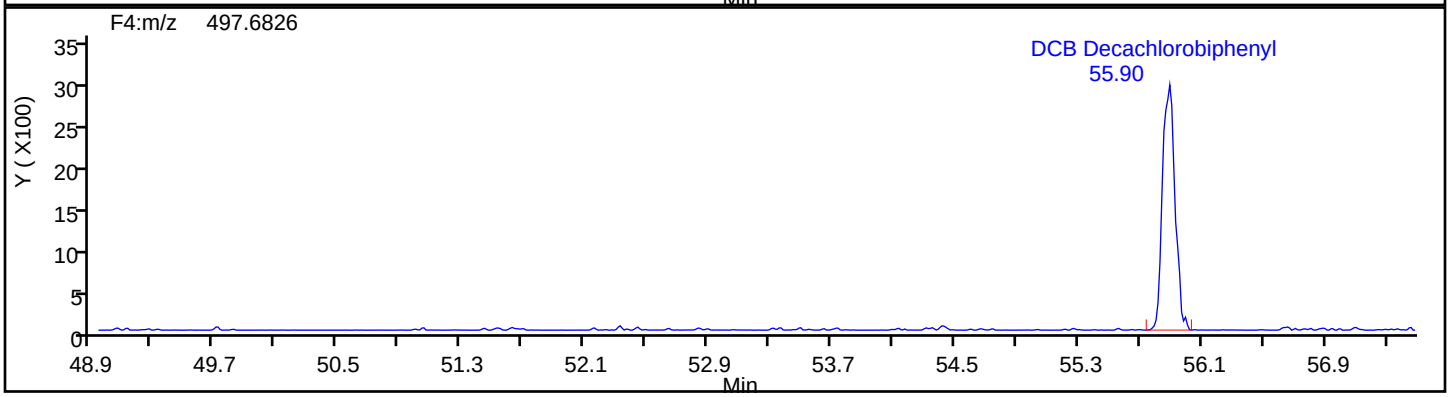
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

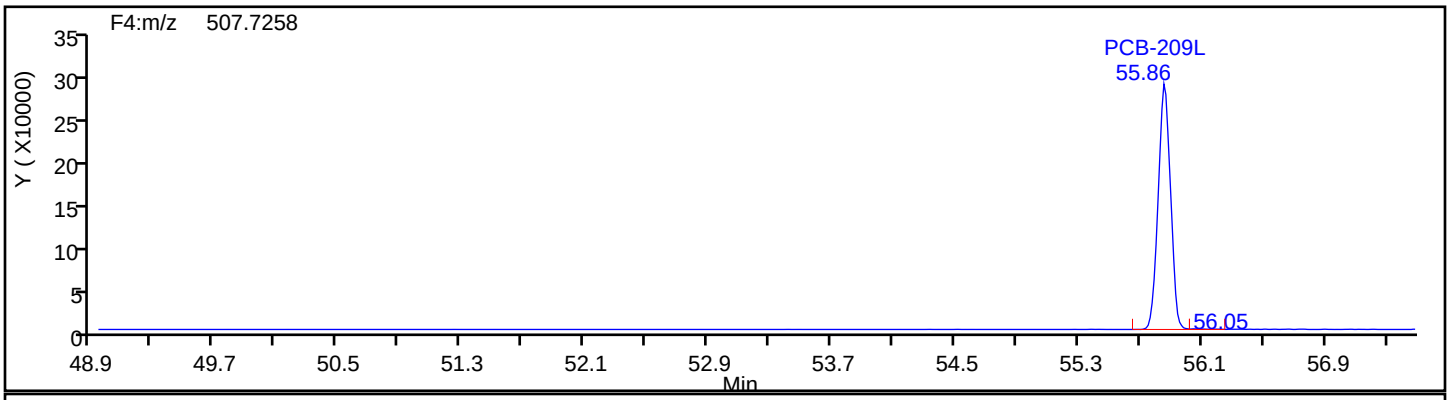
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

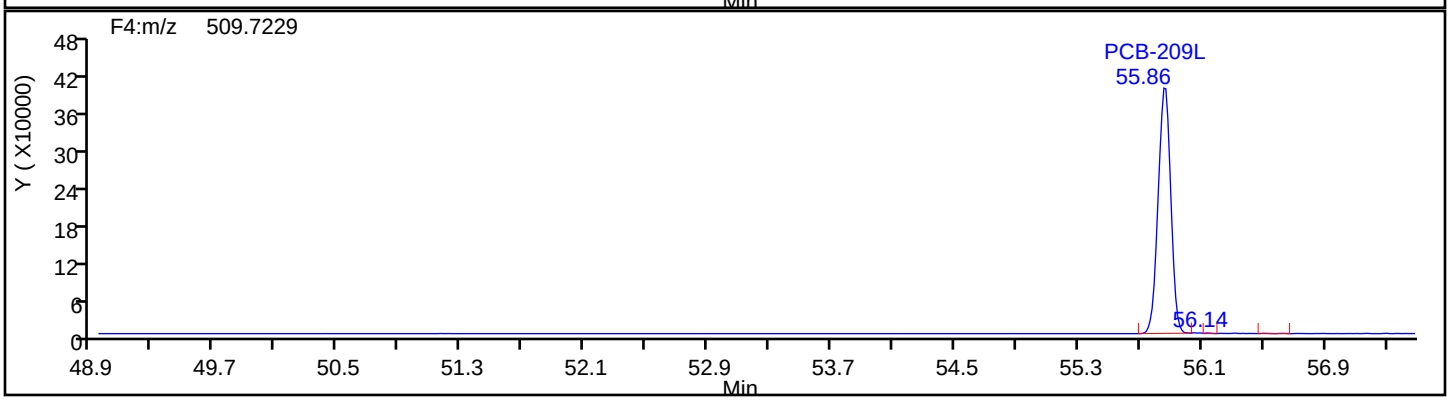
DePCB F4




DePCB F4 Standards

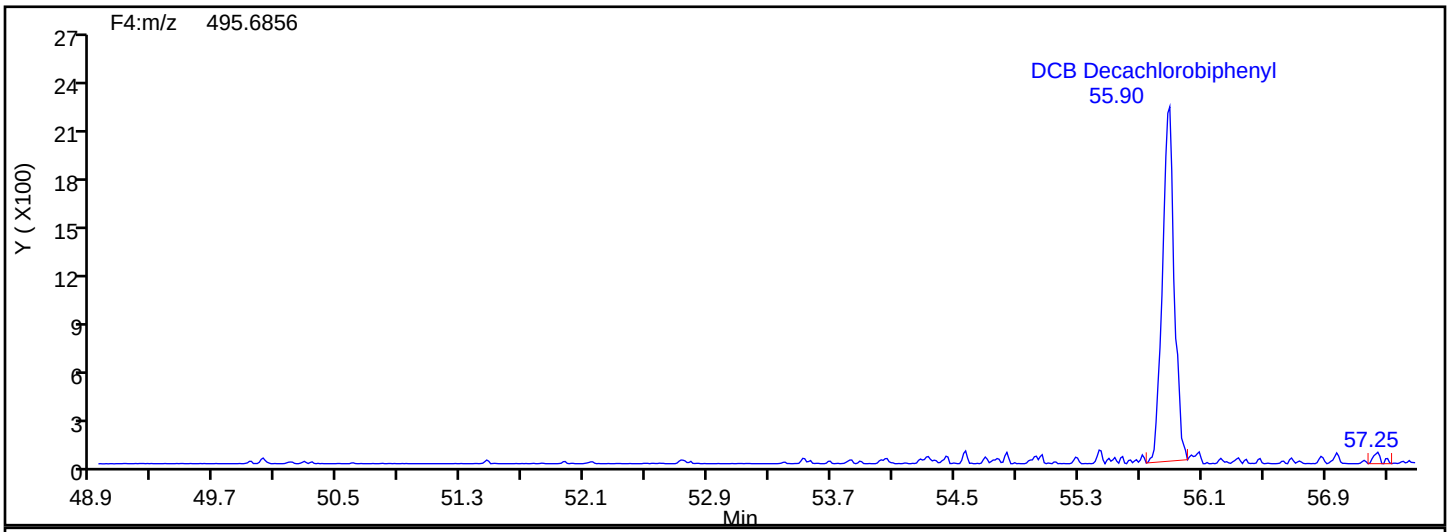


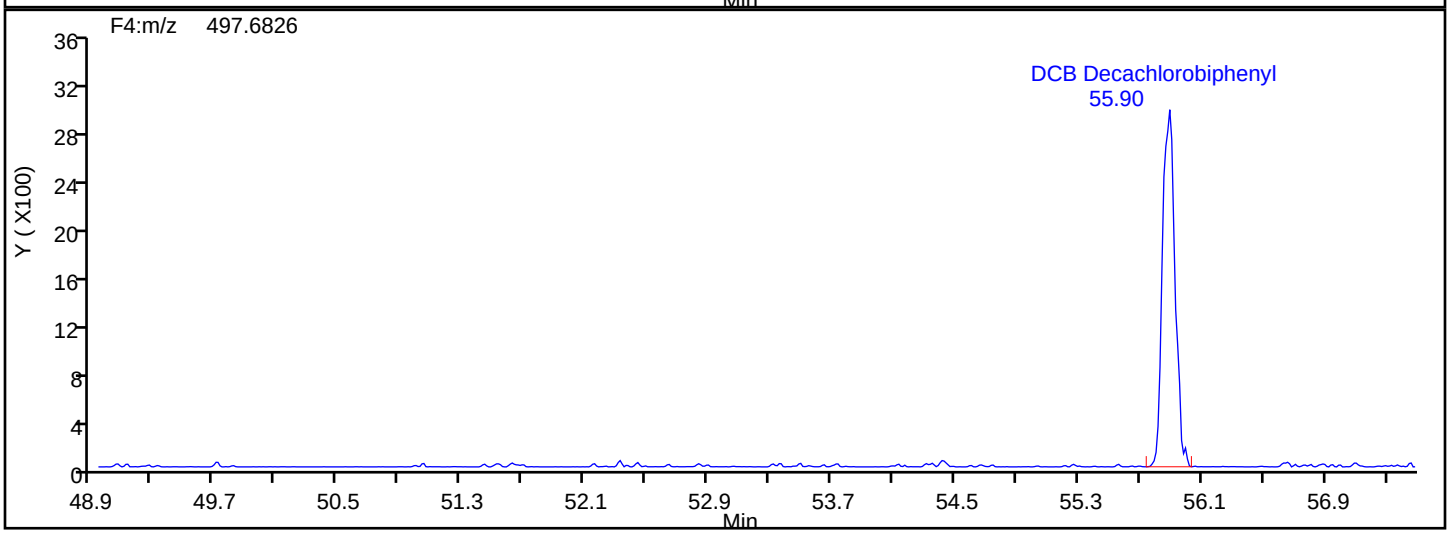



Eurofins TestAmerica, Knoxville

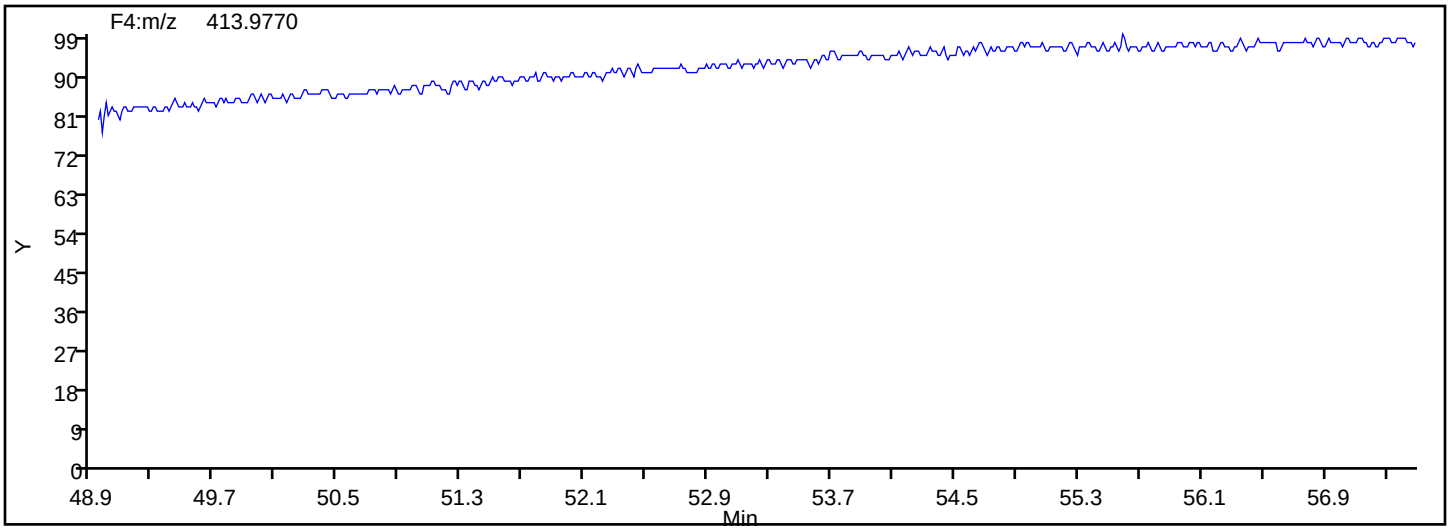
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i1c.d | | |
| Injection Date: | 21-Aug-2019 13:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Aug-2019 14:49:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-002
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:36:39 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 21-Aug-2019 16:16:39

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 3.042 | 3.042 | 0.0104 | 0.0104 | | |
| D PCB-1L | 11:48 | 5125161 | 3.12 | 1.3140 | 98.2 | 98.2 | 0.2542 | 0.2542 | 98.18 | |
| D PCB-3L | 13:59 | 5235222 | 3.21 | 1.3615 | 96.8 | 96.8 | 0.2453 | 0.2453 | 96.79 | |
| PCB-1 | 11:49 | 60493 | 3.20 | 1.1883 | 0.993 | 0.993 | 0.009666 | 0.009666 | 99.33 | |
| PCB-2 | 13:48 | 62423 | 2.67 | 1.1911 | 1.012 | 1.012 | 0.0104 | 0.0104 | 101 | M |
| PCB-3 | 13:59 | 65837 | 2.89 | 1.2130 | 1.037 | 1.037 | 0.0111 | 0.0111 | 104 | M |
| S Total Dichlorobiphenyls | | | | | 12.7 | 12.7 | 0.0229 | 0.0229 | | |
| D PCB-4L | 14:14 | 2393181 | 1.61 | 0.5996 | 100.5 | 100.5 | 0.3434 | 0.3434 | 100 | |
| * PCB-9L | 16:12 | 3972628 | 1.61 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:07 | 3889169 | 1.64 | 1.0280 | 95.2 | 95.2 | 0.2003 | 0.2003 | 95.23 | |
| PCB-4 | 14:14 | 31831 | 1.53 | 1.2533 | 1.061 | 1.061 | 0.0308 | 0.0308 | 106 | |
| PCB-10 | 14:25 | 47648 | 1.62 | 1.4828 | 1.023 | 1.023 | 0.0236 | 0.0236 | 102 | |
| PCB-9 | 16:13 | 45986 | 1.54 | 1.4200 | 1.031 | 1.031 | 0.0247 | 0.0247 | 103 | |
| PCB-7 | 16:23 | 52046 | 1.48 | 1.6244 | 1.020 | 1.020 | 0.0216 | 0.0216 | 102 | |
| PCB-6 | 16:38 | 52272 | 1.60 | 1.5539 | 1.071 | 1.071 | 0.0226 | 0.0226 | 107 | |
| PCB-5 | 16:56 | 53478 | 1.44 | 1.5606 | 1.091 | 1.091 | 0.0225 | 0.0225 | 109 | |
| PCB-8 | 17:04 | 52940 | 1.50 | 1.5884 | 1.061 | 1.061 | 0.0221 | 0.0221 | 106 | |
| PCB-14 | 18:42 | 62152 | 1.56 | 1.8738 | 1.056 | 1.056 | 0.0187 | 0.0187 | 106 | |
| PCB-11 | 19:32 | 54146 | 1.63 | 1.6347 | 1.055 | 1.055 | 0.0214 | 0.0214 | 105 | M |
| PCB-12 | 19:51 | 109943 | 1.56 | 1.6410 | 2.133 | 2.133 | 0.0214 | 0.0214 | 107 | M |
| PCB-13 (C12) | 19:51 | 109943 | 1.56 | 1.6410 | 2.133 | 2.133 | 0.0214 | 0.0214 | 107 | M |
| PCB-15 | 20:08 | 59183 | 1.55 | 1.4024 | 1.085 | 1.085 | 0.0229 | 0.0229 | 109 | M |
| S Total Trichlorobiphenyl | | | | | 25.5 | 25.5 | 0.0296 | 0.0296 | | |
| D PCB-19L | 17:21 | 1290429 | 1.07 | 0.6095 | 100.6 | 100.6 | 0.5022 | 0.5022 | 101 | |
| * PCB-32L | 20:36 | 2105422 | 1.05 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:52 | 6467000 | 1.07 | 6.8E+04 | 100.0 | 100.0 | | | | |
| D PCB-37L | 27:10 | 5644210 | 1.08 | 0.9024 | 96.7 | 96.7 | 0.1914 | 0.1914 | 96.71 | |
| PCB-19 | 17:22 | 17400 | 0.96 | 1.3047 | 1.033 | 1.033 | 0.0334 | 0.0334 | 103 | |
| PCB-18 | 19:13 | 48602 | 1.02 | 1.8188 | 2.071 | 2.071 | 0.0240 | 0.0240 | 104 | |
| PCB-30 (C18) | 19:13 | 48602 | 1.02 | 1.8188 | 2.071 | 2.071 | 0.0240 | 0.0240 | 104 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:39 | 21165 | 1.10 | 1.5641 | 1.049 | 1.049 | 0.0279 | 0.0279 | 105 | |
| PCB-27 | 19:51 | 28581 | 1.15 | 2.1680 | 1.022 | 1.022 | 0.0201 | 0.0201 | 102 | |
| PCB-24 | 19:59 | 29922 | 1.03 | 2.1018 | 1.103 | 1.103 | 0.0208 | 0.0208 | 110 | |
| PCB-16 | 20:06 | 16840 | 1.10 | 1.2260 | 1.064 | 1.064 | 0.0356 | 0.0356 | 106 | |
| PCB-32 | 20:37 | 32274 | 1.07 | 2.3416 | 1.068 | 1.068 | 0.0186 | 0.0186 | 107 | |
| PCB-34 | 21:53 | 75133 | 1.03 | 1.2154 | 1.095 | 1.095 | 0.0341 | 0.0341 | 110 | |
| PCB-23 | 22:02 | 79595 | 1.02 | 1.2675 | 1.113 | 1.113 | 0.0327 | 0.0327 | 111 | |
| PCB-26 | 22:21 | 157750 | 1.08 | 1.3193 | 2.118 | 2.118 | 0.0314 | 0.0314 | 106 | |
| PCB-29 (C26) | 22:21 | 157750 | 1.08 | 1.3193 | 2.118 | 2.118 | 0.0314 | 0.0314 | 106 | |
| PCB-25 | 22:34 | 85219 | 1.10 | 1.3523 | 1.117 | 1.117 | 0.0307 | 0.0307 | 112 | |
| PCB-31 | 22:53 | 85348 | 1.01 | 1.3809 | 1.095 | 1.095 | 0.0300 | 0.0300 | 110 | M |
| PCB-20 | 23:12 | 154375 | 1.04 | 1.3057 | 2.095 | 2.095 | 0.0317 | 0.0317 | 105 | |
| PCB-28 (C20) | 23:12 | 154375 | 1.04 | 1.3057 | 2.095 | 2.095 | 0.0317 | 0.0317 | 105 | |
| PCB-21 | 23:25 | 166315 | 1.02 | 1.3777 | 2.139 | 2.139 | 0.0301 | 0.0301 | 107 | M |
| PCB-33 (C21) | 23:25 | 166315 | 1.02 | 1.3777 | 2.139 | 2.139 | 0.0301 | 0.0301 | 107 | M |
| PCB-22 | 23:48 | 74401 | 1.03 | 1.2430 | 1.061 | 1.061 | 0.0334 | 0.0334 | 106 | |
| PCB-36 | 25:23 | 78488 | 1.06 | 1.3468 | 1.032 | 1.032 | 0.0308 | 0.0308 | 103 | M |
| PCB-39 | 25:44 | 84801 | 1.11 | 1.3970 | 1.075 | 1.075 | 0.0297 | 0.0297 | 108 | |
| PCB-38 | 26:19 | 79624 | 1.04 | 1.3177 | 1.071 | 1.071 | 0.0315 | 0.0315 | 107 | M |
| PCB-35 | 26:47 | 71681 | 1.06 | 1.2166 | 1.044 | 1.044 | 0.0341 | 0.0341 | 104 | M |
| PCB-37 | 27:10 | 76632 | 1.00 | 1.2879 | 1.054 | 1.054 | 0.0322 | 0.0322 | 105 | M |
| S Total Tetrachlorobiphen | | | | | 46.0 | 46.0 | 0.0344 | 0.0344 | | |
| D PCB-54L | 20:26 | 1413832 | 0.84 | 0.6515 | 103.1 | 103.1 | 0.0714 | 0.0714 | 103 | |
| * PCB-52L | 24:59 | 3828353 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:55 | 4449159 | 0.79 | 1.2328 | 94.3 | 94.3 | 0.1793 | 0.1793 | 94.27 | |
| D PCB-77L | 34:28 | 4551294 | 0.79 | 1.2523 | 94.9 | 94.9 | 0.1765 | 0.1765 | 94.94 | |
| PCB-54 | 20:27 | 18533 | 0.79 | 1.2558 | 1.044 | 1.044 | 0.009659 | 0.009659 | 104 | |
| PCB-50 | 22:38 | 89779 | 0.77 | 0.9362 | 2.131 | 2.131 | 0.0439 | 0.0439 | 107 | |
| PCB-53 (C50) | 22:38 | 89779 | 0.77 | 0.9362 | 2.131 | 2.131 | 0.0439 | 0.0439 | 107 | |
| PCB-45 | 23:22 | 89134 | 0.79 | 0.8850 | 2.238 | 2.238 | 0.0464 | 0.0464 | 112 | Ma |
| PCB-51 (C45) | 23:22 | 89134 | 0.79 | 0.8850 | 2.238 | 2.238 | 0.0464 | 0.0464 | 112 | Ma |
| PCB-46 | 23:35 | 37604 | 0.73 | 0.7591 | 1.101 | 1.101 | 0.0541 | 0.0541 | 110 | |
| PCB-52 | 25:02 | 45285 | 0.85 | 0.8992 | 1.119 | 1.119 | 0.0457 | 0.0457 | 112 | |
| PCB-43 | 25:10 | 100171 | 0.77 | 0.9993 | 2.227 | 2.227 | 0.0411 | 0.0411 | 111 | M |
| PCB-73 (C43) | 25:10 | 100171 | 0.77 | 0.9993 | 2.227 | 2.227 | 0.0411 | 0.0411 | 111 | M |
| PCB-49 | 25:27 | 114625 | 0.78 | 1.1366 | 2.241 | 2.241 | 0.0362 | 0.0362 | 112 | M |
| PCB-69 (C49) | 25:27 | 114625 | 0.78 | 1.1366 | 2.241 | 2.241 | 0.0362 | 0.0362 | 112 | M |
| PCB-48 | 25:47 | 48411 | 0.73 | 0.9454 | 1.138 | 1.138 | 0.0435 | 0.0435 | 114 | |
| PCB-44 | 26:02 | 152359 | 0.84 | 1.0323 | 3.280 | 3.280 | 0.0398 | 0.0398 | 109 | |
| PCB-47 (C44) | 26:02 | 152359 | 0.84 | 1.0323 | 3.280 | 3.280 | 0.0398 | 0.0398 | 109 | |
| PCB-65 (C44) | 26:02 | 152359 | 0.84 | 1.0323 | 3.280 | 3.280 | 0.0398 | 0.0398 | 109 | |
| PCB-59 | 26:20 | 198612 | 0.80 | 1.3609 | 3.243 | 3.243 | 0.0302 | 0.0302 | 108 | Ma |
| PCB-62 (C59) | 26:20 | 198612 | 0.80 | 1.3609 | 3.243 | 3.243 | 0.0302 | 0.0302 | 108 | Ma |
| PCB-75 (C59) | 26:20 | 198612 | 0.80 | 1.3609 | 3.243 | 3.243 | 0.0302 | 0.0302 | 108 | Ma |
| PCB-42 | 26:32 | 42205 | 0.86 | 0.8670 | 1.082 | 1.082 | 0.0474 | 0.0474 | 108 | Ma |
| PCB-40 | 27:02 | 136982 | 0.76 | 0.9179 | 3.316 | 3.316 | 0.0448 | 0.0448 | 111 | M |
| PCB-41 (C40) | 27:02 | 136982 | 0.76 | 0.9179 | 3.316 | 3.316 | 0.0448 | 0.0448 | 111 | M |
| PCB-71 (C40) | 27:02 | 136982 | 0.76 | 0.9179 | 3.316 | 3.316 | 0.0448 | 0.0448 | 111 | M |
| PCB-64 | 27:15 | 68180 | 0.76 | 1.4164 | 1.070 | 1.070 | 0.0290 | 0.0290 | 107 | |
| PCB-72 | 28:05 | 64594 | 0.78 | 1.3157 | 1.091 | 1.091 | 0.0312 | 0.0312 | 109 | |
| PCB-68 | 28:23 | 72411 | 0.75 | 1.4782 | 1.088 | 1.088 | 0.0278 | 0.0278 | 109 | |
| PCB-57 | 28:48 | 63377 | 0.82 | 1.2817 | 1.099 | 1.099 | 0.0321 | 0.0321 | 110 | |
| PCB-58 | 29:03 | 66918 | 0.83 | 1.3214 | 1.125 | 1.125 | 0.0311 | 0.0311 | 113 | |
| PCB-67 | 29:12 | 67069 | 0.85 | 1.3944 | 1.069 | 1.069 | 0.0295 | 0.0295 | 107 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:28 | 74863 | 0.78 | 1.4685 | 1.133 | 1.133 | 0.0280 | 0.0280 | 113 | |
| PCB-61 | 29:48 | 259232 | 0.78 | 1.3565 | 4.246 | 4.246 | 0.0303 | 0.0303 | 106 | |
| PCB-70 (C61) | 29:48 | 259232 | 0.78 | 1.3565 | 4.246 | 4.246 | 0.0303 | 0.0303 | 106 | |
| PCB-74 (C61) | 29:48 | 259232 | 0.78 | 1.3565 | 4.246 | 4.246 | 0.0303 | 0.0303 | 106 | |
| PCB-76 (C61) | 29:48 | 259232 | 0.78 | 1.3565 | 4.246 | 4.246 | 0.0303 | 0.0303 | 106 | |
| PCB-66 | 30:07 | 67155 | 0.81 | 1.2800 | 1.166 | 1.166 | 0.0321 | 0.0321 | 117 | |
| PCB-55 | 30:17 | 63515 | 0.79 | 1.2951 | 1.090 | 1.090 | 0.0317 | 0.0317 | 109 | |
| PCB-56 | 30:48 | 65476 | 0.75 | 1.2671 | 1.148 | 1.148 | 0.0324 | 0.0324 | 115 | |
| PCB-60 | 31:00 | 67243 | 0.83 | 1.3288 | 1.124 | 1.124 | 0.0309 | 0.0309 | 112 | |
| PCB-80 | 31:25 | 73205 | 0.82 | 1.4694 | 1.107 | 1.107 | 0.0280 | 0.0280 | 111 | |
| PCB-79 | 32:57 | 72945 | 0.84 | 1.5421 | 1.051 | 1.051 | 0.0266 | 0.0266 | 105 | |
| PCB-78 | 33:30 | 63604 | 0.74 | 1.3150 | 1.075 | 1.075 | 0.0312 | 0.0312 | 107 | |
| PCB-81 | 33:56 | 64050 | 0.74 | 1.3214 | 1.089 | 1.089 | 0.0309 | 0.0309 | 109 | |
| PCB-77 | 34:31 | 64266 | 0.88 | 1.3308 | 1.061 | 1.061 | 0.0311 | 0.0311 | 106 | |
| S Total Pentachlorobiphen | | | | | 48.1 | 48.1 | 0.0229 | 0.0229 | | |
| D PCB-104L | 25:56 | 3666516 | 1.63 | 1.1164 | 102.9 | 102.9 | 0.0132 | 0.0132 | 103 | |
| * PCB-101L | 31:51 | 3190450 | 1.60 | 3.4E+04 | 100.0 | 100.0 | | | | |
| D PCB-123L | 36:30 | 4516694 | 1.57 | 0.9909 | 99.2 | 99.2 | 0.8800 | 0.8800 | 99.19 | |
| D PCB-118L | 36:49 | 4772397 | 1.57 | 1.0256 | 101.3 | 101.3 | 0.8503 | 0.8503 | 101 | |
| D PCB-114L | 37:22 | 4691123 | 1.60 | 1.0030 | 101.8 | 101.8 | 0.8694 | 0.8694 | 102 | |
| D PCB-105L | 38:00 | 4736976 | 1.58 | 1.0013 | 102.9 | 102.9 | 0.8709 | 0.8709 | 103 | |
| * PCB-127L | 39:29 | 4595469 | 1.62 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:05 | 4114417 | 1.57 | 0.9020 | 99.3 | 99.3 | 0.9667 | 0.9667 | 99.26 | |
| PCB-104 | 25:59 | 53577 | 1.69 | 1.3926 | 1.049 | 1.049 | 0.0159 | 0.0159 | 105 | |
| PCB-96 | 26:20 | 46180 | 1.61 | 1.2268 | 1.027 | 1.027 | 0.0180 | 0.0180 | 103 | |
| PCB-103 | 28:16 | 40529 | 1.67 | 1.0331 | 1.070 | 1.070 | 0.0214 | 0.0214 | 107 | |
| PCB-94 | 28:30 | 34718 | 1.48 | 0.9036 | 1.048 | 1.048 | 0.0245 | 0.0245 | 105 | |
| PCB-95 | 28:56 | 36712 | 1.52 | 0.9620 | 1.041 | 1.041 | 0.0230 | 0.0230 | 104 | |
| PCB-93 | 29:09 | 76757 | 1.57 | 0.9806 | 2.135 | 2.135 | 0.0225 | 0.0225 | 107 | |
| PCB-100 (C93) | 29:09 | 76757 | 1.57 | 0.9806 | 2.135 | 2.135 | 0.0225 | 0.0225 | 107 | |
| PCB-98 | 29:18 | 76557 | 1.53 | 0.9888 | 2.112 | 2.112 | 0.0223 | 0.0223 | 106 | M |
| PCB-102 (C98) | 29:18 | 76557 | 1.53 | 0.9888 | 2.112 | 2.112 | 0.0223 | 0.0223 | 106 | M |
| PCB-88 | 29:48 | 75176 | 1.65 | 1.0052 | 2.040 | 2.040 | 0.0220 | 0.0220 | 102 | M |
| PCB-91 (C88) | 29:48 | 75176 | 1.65 | 1.0052 | 2.040 | 2.040 | 0.0220 | 0.0220 | 102 | M |
| PCB-84 | 30:01 | 33898 | 1.55 | 0.8601 | 1.075 | 1.075 | 0.0257 | 0.0257 | 107 | |
| PCB-89 | 30:30 | 35554 | 1.58 | 0.8936 | 1.085 | 1.085 | 0.0247 | 0.0247 | 109 | |
| PCB-121 | 30:56 | 53378 | 1.59 | 1.3971 | 1.042 | 1.042 | 0.0158 | 0.0158 | 104 | |
| PCB-92 | 31:18 | 37215 | 1.60 | 0.9532 | 1.065 | 1.065 | 0.0232 | 0.0232 | 106 | |
| PCB-90 | 31:52 | 128323 | 1.51 | 1.1367 | 3.079 | 3.079 | 0.0194 | 0.0194 | 103 | |
| PCB-101 (C90) | 31:52 | 128323 | 1.51 | 1.1367 | 3.079 | 3.079 | 0.0194 | 0.0194 | 103 | |
| PCB-113 (C90) | 31:52 | 128323 | 1.51 | 1.1367 | 3.079 | 3.079 | 0.0194 | 0.0194 | 103 | |
| PCB-83 | 32:28 | 72759 | 1.53 | 0.9393 | 2.113 | 2.113 | 0.0235 | 0.0235 | 106 | |
| PCB-99 (C83) | 32:28 | 72759 | 1.53 | 0.9393 | 2.113 | 2.113 | 0.0235 | 0.0235 | 106 | |
| PCB-112 | 32:35 | 50256 | 1.65 | 1.3672 | 1.003 | 1.003 | 0.0162 | 0.0162 | 100 | |
| PCB-86 | 32:58 | 263174 | 1.60 | 1.1958 | 6.003 | 6.003 | 0.0185 | 0.0185 | 100 | M |
| PCB-87 (C86) | 32:58 | 263174 | 1.60 | 1.1958 | 6.003 | 6.003 | 0.0185 | 0.0185 | 100 | M |
| PCB-97 (C86) | 32:58 | 263174 | 1.60 | 1.1958 | 6.003 | 6.003 | 0.0185 | 0.0185 | 100 | M |
| PCB-109 (C86) | 32:58 | 263174 | 1.60 | 1.1958 | 6.003 | 6.003 | 0.0185 | 0.0185 | 100 | M |
| PCB-119 (C86) | 32:58 | 263174 | 1.60 | 1.1958 | 6.003 | 6.003 | 0.0185 | 0.0185 | 100 | M |
| PCB-125 (C86) | 32:58 | 263174 | 1.60 | 1.1958 | 6.003 | 6.003 | 0.0185 | 0.0185 | 100 | M |
| PCB-85 | 33:40 | 139618 | 1.54 | 1.2126 | 3.140 | 3.140 | 0.0182 | 0.0182 | 105 | |
| PCB-116 (C85) | 33:40 | 139618 | 1.54 | 1.2126 | 3.140 | 3.140 | 0.0182 | 0.0182 | 105 | |
| PCB-117 (C85) | 33:40 | 139618 | 1.54 | 1.2126 | 3.140 | 3.140 | 0.0182 | 0.0182 | 105 | |
| PCB-110 | 33:51 | 101957 | 1.55 | 1.3511 | 2.058 | 2.058 | 0.0164 | 0.0164 | 103 | Ma |
| PCB-115 (C110) | 33:51 | 101957 | 1.55 | 1.3511 | 2.058 | 2.058 | 0.0164 | 0.0164 | 103 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-82 | 34:10 | 33511 | 1.67 | 0.8675 | 1.054 | 1.054 | 0.0255 | 0.0255 | 105 | |
| PCB-111 | 34:34 | 54242 | 1.47 | 1.4262 | 1.037 | 1.037 | 0.0155 | 0.0155 | 104 | |
| PCB-120 | 35:01 | 55736 | 1.47 | 1.4907 | 1.020 | 1.020 | 0.0148 | 0.0148 | 102 | |
| PCB-108 | 36:10 | 118271 | 1.56 | 1.2547 | 2.064 | 2.064 | 0.0293 | 0.0293 | 103 | |
| PCB-124 (C108) | 36:10 | 118271 | 1.56 | 1.2547 | 2.064 | 2.064 | 0.0293 | 0.0293 | 103 | |
| PCB-107 | 36:24 | 67736 | 1.46 | 1.3580 | 1.092 | 1.092 | 0.0271 | 0.0271 | 109 | |
| PCB-123 | 36:31 | 63530 | 1.72 | 1.3407 | 1.049 | 1.049 | 0.0269 | 0.0269 | 105 | |
| PCB-106 | 36:39 | 61821 | 1.68 | 1.2749 | 1.062 | 1.062 | 0.0288 | 0.0288 | 106 | |
| PCB-118 | 36:51 | 64839 | 1.67 | 1.2892 | 1.054 | 1.054 | 0.0268 | 0.0268 | 105 | |
| PCB-122 | 37:11 | 57263 | 1.64 | 1.1614 | 1.080 | 1.080 | 0.0316 | 0.0316 | 108 | |
| PCB-114 | 37:22 | 72278 | 1.56 | 1.4051 | 1.097 | 1.097 | 0.0259 | 0.0259 | 110 | |
| PCB-105 | 38:02 | 67379 | 1.61 | 1.2887 | 1.104 | 1.104 | 0.0274 | 0.0274 | 110 | |
| PCB-127 | 39:30 | 64830 | 1.55 | 1.2841 | 1.106 | 1.106 | 0.0286 | 0.0286 | 111 | |
| PCB-126 | 41:07 | 59998 | 1.56 | 1.3416 | 1.087 | 1.087 | 0.0316 | 0.0316 | 109 | |
| S Total Hexachlorobipheny | | | | | 45.3 | 45.3 | 0.0204 | 0.0204 | | |
| D PCB-155L | 31:38 | 3079570 | 1.31 | 0.9499 | 101.6 | 101.6 | 0.0319 | 0.0319 | 102 | |
| * PCB-138L | 39:57 | 3422010 | 1.26 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:58 | 4339219 | 1.26 | 1.2544 | 101.1 | 101.1 | 0.5137 | 0.5137 | 101 | |
| D PCB-156L | 44:07 | 8309040 | 1.26 | 1.2289 | 197.6 | 197.6 | 0.5244 | 0.5244 | 98.79 | |
| D PCB-157L (C156L) | 44:07 | 8309040 | 1.26 | 1.2289 | 197.6 | 197.6 | 0.5244 | 0.5244 | 98.79 | |
| D PCB-169L | 47:21 | 3689459 | 1.25 | 1.0883 | 99.1 | 99.1 | 0.5921 | 0.5921 | 99.06 | |
| PCB-155 | 31:40 | 43238 | 1.36 | 1.3028 | 1.078 | 1.078 | 0.0101 | 0.0101 | 108 | |
| PCB-152 | 31:50 | 41104 | 1.25 | 1.2556 | 1.063 | 1.063 | 0.0105 | 0.0105 | 106 | |
| PCB-150 | 32:01 | 41568 | 1.25 | 1.2368 | 1.091 | 1.091 | 0.0107 | 0.0107 | 109 | |
| PCB-136 | 32:23 | 39303 | 1.21 | 1.1563 | 1.104 | 1.104 | 0.0114 | 0.0114 | 110 | |
| PCB-145 | 32:41 | 38608 | 1.38 | 1.1910 | 1.053 | 1.053 | 0.0111 | 0.0111 | 105 | |
| PCB-148 | 34:12 | 29157 | 1.27 | 0.8982 | 1.054 | 1.054 | 0.0147 | 0.0147 | 105 | |
| PCB-135 | 34:48 | 56893 | 1.27 | 0.8691 | 2.126 | 2.126 | 0.0152 | 0.0152 | 106 | |
| PCB-151 (C135) | 34:48 | 56893 | 1.27 | 0.8691 | 2.126 | 2.126 | 0.0152 | 0.0152 | 106 | |
| PCB-154 | 35:03 | 34019 | 1.40 | 1.0180 | 1.085 | 1.085 | 0.0130 | 0.0130 | 109 | |
| PCB-144 | 35:21 | 30716 | 1.32 | 0.9185 | 1.086 | 1.086 | 0.0144 | 0.0144 | 109 | |
| PCB-147 | 35:43 | 85004 | 1.20 | 0.9747 | 2.135 | 2.135 | 0.0258 | 0.0258 | 107 | |
| PCB-149 (C147) | 35:43 | 85004 | 1.20 | 0.9747 | 2.135 | 2.135 | 0.0258 | 0.0258 | 107 | |
| PCB-134 | 36:00 | 73624 | 1.33 | 0.8518 | 2.116 | 2.116 | 0.0295 | 0.0295 | 106 | M |
| PCB-143 (C134) | 36:00 | 73624 | 1.33 | 0.8518 | 2.116 | 2.116 | 0.0295 | 0.0295 | 106 | M |
| PCB-139 | 36:19 | 88292 | 1.27 | 0.9995 | 2.163 | 2.163 | 0.0251 | 0.0251 | 108 | |
| PCB-140 (C139) | 36:19 | 88292 | 1.27 | 0.9995 | 2.163 | 2.163 | 0.0251 | 0.0251 | 108 | |
| PCB-131 | 36:31 | 37962 | 1.23 | 0.8584 | 1.083 | 1.083 | 0.0293 | 0.0293 | 108 | |
| PCB-142 | 36:39 | 38685 | 1.19 | 0.8597 | 1.102 | 1.102 | 0.0292 | 0.0292 | 110 | |
| PCB-132 | 36:57 | 39282 | 1.32 | 0.8801 | 1.093 | 1.093 | 0.0286 | 0.0286 | 109 | |
| PCB-133 | 37:28 | 39918 | 1.18 | 0.9064 | 1.078 | 1.078 | 0.0277 | 0.0277 | 108 | |
| PCB-165 | 37:52 | 48254 | 1.34 | 1.1210 | 1.054 | 1.054 | 0.0224 | 0.0224 | 105 | |
| PCB-146 | 38:07 | 43506 | 1.19 | 1.0084 | 1.056 | 1.056 | 0.0249 | 0.0249 | 106 | |
| PCB-161 | 38:16 | 59977 | 1.20 | 1.3370 | 1.098 | 1.098 | 0.0188 | 0.0188 | 110 | |
| PCB-153 | 38:46 | 110066 | 1.12 | 1.2207 | 2.208 | 2.208 | 0.0206 | 0.0206 | 110 | |
| PCB-168 (C153) | 38:46 | 110066 | 1.12 | 1.2207 | 2.208 | 2.208 | 0.0206 | 0.0206 | 110 | |
| PCB-141 | 38:56 | 42658 | 1.26 | 0.9608 | 1.087 | 1.087 | 0.0262 | 0.0262 | 109 | |
| PCB-130 | 39:20 | 36681 | 1.20 | 0.8274 | 1.085 | 1.085 | 0.0304 | 0.0304 | 109 | |
| PCB-137 | 39:33 | 45515 | 1.19 | 1.0582 | 1.053 | 1.053 | 0.0238 | 0.0238 | 105 | |
| PCB-164 | 39:40 | 58239 | 1.29 | 1.2527 | 1.138 | 1.138 | 0.0201 | 0.0201 | 114 | |
| PCB-129 | 40:00 | 188865 | 1.27 | 1.0840 | 4.266 | 4.266 | 0.0232 | 0.0232 | 107 | M |
| PCB-138 (C129) | 40:00 | 188865 | 1.27 | 1.0840 | 4.266 | 4.266 | 0.0232 | 0.0232 | 107 | M |
| PCB-160 (C129) | 40:00 | 188865 | 1.27 | 1.0840 | 4.266 | 4.266 | 0.0232 | 0.0232 | 107 | M |
| PCB-163 (C129) | 40:00 | 188865 | 1.27 | 1.0840 | 4.266 | 4.266 | 0.0232 | 0.0232 | 107 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:23 | 61670 | 1.31 | 1.3862 | 1.089 | 1.089 | 0.0181 | 0.0181 | 109 | |
| PCB-128 | 41:13 | 98831 | 1.24 | 1.1165 | 2.167 | 2.167 | 0.0225 | 0.0225 | 108 | |
| PCB-166 (C128) | 41:13 | 98831 | 1.24 | 1.1165 | 2.167 | 2.167 | 0.0225 | 0.0225 | 108 | |
| PCB-159 | 42:13 | 59226 | 1.24 | 1.3178 | 1.100 | 1.100 | 0.0191 | 0.0191 | 110 | |
| PCB-162 | 42:31 | 61626 | 1.23 | 1.3623 | 1.108 | 1.108 | 0.0185 | 0.0185 | 111 | |
| PCB-167 | 43:00 | 63668 | 1.28 | 1.3357 | 1.099 | 1.099 | 0.0149 | 0.0149 | 110 | |
| PCB-156 | 44:08 | 112265 | 1.28 | 1.2759 | 2.118 | 2.118 | 0.0227 | 0.0227 | 106 | |
| PCB-157 (C156) | 44:08 | 112265 | 1.28 | 1.2759 | 2.118 | 2.118 | 0.0227 | 0.0227 | 106 | |
| PCB-169 | 47:23 | 51092 | 1.26 | 1.2825 | 1.080 | 1.080 | 0.0196 | 0.0196 | 108 | |
| S Total Heptachlorobiphen | | | | | 26.1 | 26.1 | 0.0112 | 0.0112 | | |
| D PCB-188L | 37:22 | 3996320 | 1.08 | 1.3162 | 100.3 | 100.3 | 0.0155 | 0.0155 | 100 | |
| * PCB-180L | 45:31 | 3026289 | 1.05 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:46 | 2591053 | 1.08 | 0.8357 | 102.4 | 102.4 | 0.0245 | 0.0245 | 102 | |
| D PCB-189L | 49:54 | 4901650 | 1.06 | 1.4666 | 98.9 | 98.9 | 0.2173 | 0.2173 | 98.90 | |
| PCB-188 | 37:24 | 53716 | 1.01 | 1.2502 | 1.075 | 1.075 | 0.008180 | 0.008180 | 108 | |
| PCB-179 | 37:44 | 50529 | 1.05 | 1.4149 | 1.084 | 1.084 | 0.008942 | 0.008942 | 108 | |
| PCB-184 | 38:16 | 49784 | 1.02 | 1.4191 | 1.065 | 1.065 | 0.008915 | 0.008915 | 107 | |
| PCB-176 | 38:36 | 53917 | 1.06 | 1.5212 | 1.076 | 1.076 | 0.008317 | 0.008317 | 108 | |
| PCB-186 | 39:03 | 50407 | 1.10 | 1.4350 | 1.066 | 1.066 | 0.008816 | 0.008816 | 107 | |
| PCB-178 | 40:27 | 37031 | 1.07 | 1.0228 | 1.099 | 1.099 | 0.0124 | 0.0124 | 110 | |
| PCB-175 | 41:05 | 39582 | 1.04 | 1.0690 | 1.124 | 1.124 | 0.0118 | 0.0118 | 112 | |
| PCB-187 | 41:21 | 41041 | 1.06 | 1.1106 | 1.122 | 1.122 | 0.0114 | 0.0114 | 112 | |
| PCB-182 | 41:33 | 41604 | 0.92 | 1.1484 | 1.100 | 1.100 | 0.0110 | 0.0110 | 110 | |
| PCB-183 | 41:58 | 81242 | 1.05 | 1.1368 | 2.170 | 2.170 | 0.0111 | 0.0111 | 108 | M |
| PCB-185 (C183) | 41:58 | 81242 | 1.05 | 1.1368 | 2.170 | 2.170 | 0.0111 | 0.0111 | 108 | M |
| PCB-174 | 42:12 | 34598 | 0.97 | 0.9547 | 1.100 | 1.100 | 0.0133 | 0.0133 | 110 | |
| PCB-177 | 42:38 | 33802 | 1.08 | 0.9426 | 1.089 | 1.089 | 0.0134 | 0.0134 | 109 | |
| PCB-181 | 43:02 | 39174 | 1.11 | 1.1075 | 1.074 | 1.074 | 0.0114 | 0.0114 | 107 | |
| PCB-171 | 43:14 | 68817 | 0.99 | 0.9603 | 2.176 | 2.176 | 0.0132 | 0.0132 | 109 | |
| PCB-173 (C171) | 43:14 | 68817 | 0.99 | 0.9603 | 2.176 | 2.176 | 0.0132 | 0.0132 | 109 | |
| PCB-172 | 44:53 | 35367 | 0.98 | 0.9918 | 1.083 | 1.083 | 0.0128 | 0.0128 | 108 | |
| PCB-192 | 45:10 | 45718 | 1.08 | 1.2904 | 1.076 | 1.076 | 0.009804 | 0.009804 | 108 | |
| PCB-180 | 45:30 | 88854 | 1.09 | 1.2286 | 2.196 | 2.196 | 0.0103 | 0.0103 | 110 | |
| PCB-193 (C180) | 45:30 | 88854 | 1.09 | 1.2286 | 2.196 | 2.196 | 0.0103 | 0.0103 | 110 | |
| PCB-191 | 45:53 | 48707 | 1.08 | 1.3848 | 1.068 | 1.068 | 0.009136 | 0.009136 | 107 | |
| PCB-170 | 46:47 | 35847 | 1.08 | 1.2700 | 1.089 | 1.089 | 0.0131 | 0.0131 | 109 | |
| PCB-190 | 47:19 | 48762 | 1.06 | 1.3774 | 1.075 | 1.075 | 0.009185 | 0.009185 | 107 | |
| PCB-189 | 49:54 | 66908 | 1.06 | 1.2799 | 1.067 | 1.067 | 0.0185 | 0.0185 | 107 | |
| S Total Octachlorobipheny | | | | | 13.1 | 13.1 | 0.0165 | 0.0165 | | |
| D PCB-202L | 42:45 | 3071794 | 0.94 | 1.0055 | 100.9 | 100.9 | 0.0628 | 0.0628 | 101 | |
| * PCB-194L | 52:00 | 3379501 | 0.91 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:29 | 4392680 | 0.90 | 1.2867 | 101.0 | 101.0 | 0.0851 | 0.0851 | 101 | |
| PCB-202 | 42:46 | 34321 | 0.84 | 1.0531 | 1.061 | 1.061 | 0.0133 | 0.0133 | 106 | |
| PCB-201 | 43:42 | 41949 | 1.01 | 1.1860 | 1.151 | 1.151 | 0.0118 | 0.0118 | 115 | |
| PCB-204 | 44:23 | 36168 | 0.82 | 1.1009 | 1.070 | 1.070 | 0.0127 | 0.0127 | 107 | |
| PCB-197 | 44:35 | 42842 | 0.97 | 1.2053 | 1.157 | 1.157 | 0.0116 | 0.0116 | 116 | |
| PCB-200 | 44:42 | 36554 | 0.80 | 1.1260 | 1.057 | 1.057 | 0.0124 | 0.0124 | 106 | |
| PCB-198 | 47:30 | 54023 | 0.91 | 0.8183 | 2.149 | 2.149 | 0.0171 | 0.0171 | 107 | |
| PCB-199 (C198) | 47:30 | 54023 | 0.91 | 0.8183 | 2.149 | 2.149 | 0.0171 | 0.0171 | 107 | |
| PCB-196 | 48:10 | 29180 | 0.87 | 0.8748 | 1.086 | 1.086 | 0.0160 | 0.0160 | 109 | |
| PCB-203 | 48:21 | 31545 | 0.87 | 0.9219 | 1.114 | 1.114 | 0.0151 | 0.0151 | 111 | |
| PCB-195 | 49:41 | 37010 | 0.83 | 0.7839 | 1.075 | 1.075 | 0.0291 | 0.0291 | 107 | |
| PCB-194 | 52:02 | 41850 | 0.89 | 0.9282 | 1.026 | 1.026 | 0.0246 | 0.0246 | 103 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205 | 52:30 | 60075 | 0.89 | 1.2342 | 1.108 | 1.108 | 0.0185 | 0.0185 | 111 | |
| S Total Nonachlorobipheny | | | | | 3.324 | 3.324 | 0.0647 | 0.0647 | | |
| D PCB-208L | 49:25 | 3882773 | 0.78 | 1.1383 | 100.9 | 100.9 | 0.3034 | 0.3034 | 101 | |
| D PCB-206L | 54:15 | 3065719 | 0.81 | 0.8938 | 101.5 | 101.5 | 0.3863 | 0.3863 | 101 | |
| PCB-208 | 49:27 | 49428 | 0.77 | 1.1567 | 1.101 | 1.101 | 0.0605 | 0.0605 | 110 | M |
| PCB-207 | 50:23 | 53329 | 0.87 | 1.3964 | 1.099 | 1.099 | 0.0568 | 0.0568 | 110 | M |
| PCB-206 | 54:15 | 41115 | 0.73 | 1.1927 | 1.124 | 1.124 | 0.0767 | 0.0767 | 112 | M |
| D PCB-209L | 55:53 | 3391284 | 0.72 | 0.9809 | 102.3 | 102.3 | 0.0474 | 0.0474 | 102 | |
| DCB Decachlorobiphenyl | 55:55 | 45977 | 0.73 | 1.2455 | 1.088 | 1.088 | 0.006915 | 0.006915 | 109 | |
| S Polychlorinated bipheny | | | | | 221.1 | 221.1 | 0.0255 | 0.0255 | | |

## QC Flag Legend

Review Flags
- M - Manually Integrated
- a - User Assigned ID

## Reagents:

61L11668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Aug-2019 14:49:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-002
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:36:39 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 21-Aug-2019 16:16:39

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:48 | 11:48 | 1 | 0.729 | 3882640 | 1580668 | 923 | 2307 | 1713 | | |
| 202.0766 | 11:48 | 11:48 | 1 | 0.729 | 1242521 | 508974 | 626 | 1565 | 813 | 3.12(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:59 | 13:58 | 1 | 0.863 | 3990489 | 1352907 | 923 | 2307 | 1466 | | |
| 202.0766 | 13:59 | 13:58 | 1 | 0.863 | 1244733 | 425231 | 626 | 1565 | 679 | 3.21(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:49 | 11:49 | 1 | 1.001 | 46100 | 18584 | 46 | 115 | 404 | | |
| 190.0363 | 11:49 | 11:49 | 1 | 1.001 | 14393 | 6018 | 50 | 125 | 120 | 3.20(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | M |
| 188.0393 | 13:48 | 13:49 | 0 | 0.988 | 45404 | 14785 | 46 | 115 | 321 | | |
| 190.0363 | 13:48 | 13:49 | 0 | 0.988 | 17019 | 5248 | 50 | 125 | 105 | 2.67(2.66-3.60) | M |
| PCB-3 | | | | | | | | | | | M |
| 188.0393 | 13:59 | 13:59 | 1 | 1.001 | 48910 | 16550 | 46 | 115 | 360 | | M |
| 190.0363 | 13:59 | 13:59 | 1 | 1.001 | 16927 | 5376 | 50 | 125 | 108 | 2.89(2.66-3.60) | M |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:14 | 14:14 | 0 | 0.878 | 1476842 | 470314 | 796 | 1990 | 591 | | |
| 236.0376 | 14:14 | 14:14 | 0 | 0.878 | 916339 | 298512 | 159 | 397 | 1877 | 1.61(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:12 | 16:11 | 1 | | 2451673 | 710720 | 796 | 1990 | 893 | | |
| 236.0376 | 16:12 | 16:11 | 1 | | 1520955 | 448479 | 159 | 397 | 2821 | 1.61(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:07 | 20:07 | 1 | 1.242 | 2415822 | 569170 | 796 | 1990 | 715 | | |
| 236.0376 | 20:07 | 20:07 | 1 | 1.242 | 1473347 | 356512 | 159 | 397 | 2242 | 1.64(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:14 | 14:14 | 0 | 1.001 | 19267 | 6076 | 57 | 142 | 107 | | |
| 223.9974 | 14:14 | 14:14 | 0 | 1.001 | 12564 | 4033 | 62 | 155 | 65 | 1.53(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:25 | 14:25 | 1 | 1.014 | 29445 | 9742 | 57 | 142 | 171 | | |
| 223.9974 | 14:25 | 14:25 | 1 | 1.014 | 18203 | 5422 | 62 | 155 | 87 | 1.62(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:13 | 16:13 | 1 | 1.141 | 27903 | 8557 | 57 | 142 | 150 | | |
| 223.9974 | 16:13 | 16:13 | 0 | 1.140 | 18083 | 5212 | 62 | 155 | 84 | 1.54(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:23 | 16:23 | 0 | 1.152 | 31072 | 8862 | 57 | 142 | 155 | | |
| 223.9974 | 16:23 | 16:23 | 0 | 1.152 | 20974 | 5841 | 62 | 155 | 94 | 1.48(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:38 | 16:37 | 1 | 1.169 | 32149 | 9416 | 57 | 142 | 165 | | |
| 223.9974 | 16:38 | 16:37 | 1 | 1.169 | 20123 | 5852 | 62 | 155 | 94 | 1.60(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | 16:55 | 1 | 1.190 | 31588 | 9403 | 57 | 142 | 165 | | |
| 223.9974 | 16:56 | 16:55 | 1 | 1.190 | 21890 | 6016 | 62 | 155 | 97 | 1.44(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:04 | 17:03 | 1 | 1.199 | 31745 | 8606 | 57 | 142 | 151 | | |
| 223.9974 | 17:04 | 17:03 | 1 | 1.199 | 21195 | 5747 | 62 | 155 | 93 | 1.50(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:42 | 18:40 | 1 | 0.929 | 37848 | 10068 | 57 | 142 | 177 | | |
| 223.9974 | 18:41 | 18:40 | 1 | 0.929 | 24304 | 6158 | 62 | 155 | 99 | 1.56(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | M |
| 222.0003 | 19:32 | 19:30 | 1 | 0.971 | 33538 | 7927 | 57 | 142 | 139 | | M |
| 223.9974 | 19:32 | 19:30 | 1 | 0.971 | 20608 | 5503 | 62 | 155 | 89 | 1.63(1.33-1.79) | M |
| PCB-12 | | | | | | | | | | | M |
| 222.0003 | 19:51 | 19:50 | 1 | 0.986 | 66952 | 10011 | 57 | 142 | 176 | | M |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 42991 | 6572 | 62 | 155 | 106 | 1.56(1.33-1.79) | M |
| PCB-13 (C12) | | | | | | | | | | | M |
| 222.0003 | 19:51 | 19:50 | 1 | 0.986 | 66952 | 10011 | 57 | 142 | 176 | | M |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 42991 | 6572 | 62 | 155 | 106 | 1.56(1.33-1.79) | M |
| PCB-15 | | | | | | | | | | | M |
| 222.0003 | 20:08 | 20:07 | 1 | 1.001 | 35968 | 7830 | 57 | 142 | 137 | | M |
| 223.9974 | 20:09 | 20:07 | 1 | 1.001 | 23215 | 5010 | 62 | 155 | 81 | 1.55(1.33-1.79) | M |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:21 | 17:19 | 1 | 0.842 | 667903 | 189342 | 456 | 1140 | 415 | | |
| 269.9986 | 17:21 | 17:19 | 1 | 0.842 | 622526 | 177276 | 202 | 505 | 878 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:36 | 20:36 | 1 | | 1079101 | 276199 | 456 | 1140 | 606 | | |
| 269.9986 | 20:36 | 20:36 | 1 | | 1026321 | 261263 | 202 | 505 | 1293 | 1.05(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:52 | 22:51 | 0 | | 3341428 | 784847 | 628 | 1570 | 1250 | | |
| 269.9986 | 22:52 | 22:51 | 0 | | 3125572 | 736012 | 423 | 1057 | 1740 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:10 | 27:09 | 1 | 1.188 | 2927557 | 603105 | 628 | 1570 | 960 | | |
| 269.9986 | 27:10 | 27:09 | 1 | 1.188 | 2716653 | 554748 | 423 | 1057 | 1311 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:22 | 17:21 | 1 | 1.001 | 8544 | 2508 | 39 | 97 | 64 | | |
| 257.9584 | 17:22 | 17:21 | 1 | 1.001 | 8856 | 2486 | 25 | 62 | 99 | 0.96(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:13 | 19:12 | 1 | 1.108 | 24598 | 5486 | 39 | 97 | 141 | | |
| 257.9584 | 19:12 | 19:12 | 1 | 1.107 | 24004 | 5406 | 25 | 62 | 216 | 1.02(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:13 | 19:12 | 1 | 1.108 | 24598 | 5486 | 39 | 97 | 141 | | |
| 257.9584 | 19:12 | 19:12 | 1 | 1.107 | 24004 | 5406 | 25 | 62 | 216 | 1.02(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:39 | 19:38 | 1 | 1.133 | 11110 | 2856 | 39 | 97 | 73 | | |
| 257.9584 | 19:39 | 19:38 | 1 | 1.133 | 10055 | 2759 | 25 | 62 | 110 | 1.10(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:51 | 19:51 | 1 | 1.145 | 15290 | 3779 | 39 | 97 | 97 | | |
| 257.9584 | 19:51 | 19:51 | 1 | 1.145 | 13291 | 3498 | 25 | 62 | 140 | 1.15(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | 19:59 | 1 | 1.152 | 15192 | 3866 | 39 | 97 | 99 | | |
| 257.9584 | 19:59 | 19:59 | 1 | 1.152 | 14730 | 3851 | 25 | 62 | 154 | 1.03(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:06 | 20:06 | 0 | 1.158 | 8823 | 2126 | 39 | 97 | 55 | | |
| 257.9584 | 20:06 | 20:06 | 1 | 1.159 | 8017 | 2024 | 25 | 62 | 81 | 1.10(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:37 | 20:37 | 0 | 1.188 | 16674 | 4004 | 39 | 97 | 103 | | |
| 257.9584 | 20:37 | 20:37 | 0 | 1.188 | 15600 | 4117 | 25 | 62 | 165 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:53 | 21:53 | 1 | 1.262 | 38119 | 9350 | 107 | 267 | 87 | | |
| 257.9584 | 21:53 | 21:53 | 1 | 1.262 | 37014 | 9106 | 85 | 212 | 107 | 1.03(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | 22:02 | 1 | 1.271 | 40165 | 9984 | 107 | 267 | 93 | | |
| 257.9584 | 22:02 | 22:02 | 1 | 1.271 | 39430 | 10058 | 85 | 212 | 118 | 1.02(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:21 | 22:21 | 1 | 1.289 | 82064 | 14767 | 107 | 267 | 138 | | |
| 257.9584 | 22:21 | 22:21 | 1 | 1.289 | 75686 | 14201 | 85 | 212 | 167 | 1.08(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:21 | 22:21 | 1 | 1.289 | 82064 | 14767 | 107 | 267 | 138 | | |
| 257.9584 | 22:21 | 22:21 | 1 | 1.289 | 75686 | 14201 | 85 | 212 | 167 | 1.08(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:34 | 22:34 | 1 | 0.831 | 44544 | 10133 | 107 | 267 | 95 | | |
| 257.9584 | 22:34 | 22:34 | 1 | 0.831 | 40675 | 9193 | 85 | 212 | 108 | 1.10(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | M |
| 255.9613 | 22:53 | 22:53 | 0 | 0.843 | 42844 | 10613 | 107 | 267 | 99 | | |
| 257.9584 | 22:53 | 22:53 | 0 | 0.842 | 42504 | 9874 | 85 | 212 | 116 | 1.01(0.88-1.20) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:12 | 23:11 | 0 | 0.854 | 78829 | 15550 | 107 | 267 | 145 | | |
| 257.9584 | 23:12 | 23:11 | 0 | 0.854 | 75546 | 15864 | 85 | 212 | 187 | 1.04(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:12 | 23:11 | 0 | 0.854 | 78829 | 15550 | 107 | 267 | 145 | | |
| 257.9584 | 23:12 | 23:11 | 0 | 0.854 | 75546 | 15864 | 85 | 212 | 187 | 1.04(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | M |
| 255.9613 | 23:25 | 23:25 | 0 | 0.862 | 84036 | 10392 | 107 | 267 | 97 | | M |
| 257.9584 | 23:25 | 23:25 | 0 | 0.862 | 82279 | 10672 | 85 | 212 | 126 | 1.02(0.88-1.20) | M |
| PCB-33 (C21) | | | | | | | | | | | M |
| 255.9613 | 23:25 | 23:25 | 0 | 0.862 | 84036 | 10392 | 107 | 267 | 97 | | M |
| 257.9584 | 23:25 | 23:25 | 0 | 0.862 | 82279 | 10672 | 85 | 212 | 126 | 1.02(0.88-1.20) | M |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:48 | 23:49 | 0 | 0.876 | 37728 | 8588 | 107 | 267 | 80 | | |
| 257.9584 | 23:49 | 23:49 | 0 | 0.877 | 36673 | 8684 | 85 | 212 | 102 | 1.03(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | M |
| 255.9613 | 25:23 | 25:22 | 0 | 0.934 | 40369 | 8930 | 107 | 267 | 83 | | M |
| 257.9584 | 25:23 | 25:22 | 0 | 0.934 | 38119 | 7866 | 85 | 212 | 93 | 1.06(0.88-1.20) | M |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:44 | 25:44 | 0 | 0.948 | 44554 | 9303 | 107 | 267 | 87 | | |
| 257.9584 | 25:44 | 25:44 | 0 | 0.948 | 40247 | 8457 | 85 | 212 | 99 | 1.11(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | M |
| 255.9613 | 26:19 | 26:19 | 0 | 0.969 | 40605 | 8876 | 107 | 267 | 83 | | M |
| 257.9584 | 26:19 | 26:19 | 0 | 0.969 | 39019 | 8785 | 85 | 212 | 103 | 1.04(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | M |
| 255.9613 | 26:47 | 26:46 | 1 | 0.986 | 36830 | 8100 | 107 | 267 | 76 | | M |
| 257.9584 | 26:47 | 26:46 | 1 | 0.986 | 34851 | 7640 | 85 | 212 | 90 | 1.06(0.88-1.20) | M |
| PCB-37 | | | | | | | | | | | M |
| 255.9613 | 27:10 | 27:11 | 0 | 1.000 | 38229 | 8136 | 107 | 267 | 76 | | |
| 257.9584 | 27:10 | 27:11 | 0 | 1.000 | 38403 | 8358 | 85 | 212 | 98 | 1.00(0.88-1.20) | M |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:26 | 20:25 | 1 | 0.818 | 645980 | 156939 | 72 | 180 | 2180 | | |
| 303.9597 | 20:25 | 20:25 | 1 | 0.817 | 767852 | 189313 | 28 | 70 | 6761 | 0.84(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:59 | 25:00 | 0 | | 1689960 | 384516 | 565 | 1412 | 681 | | |
| 303.9597 | 24:59 | 25:00 | 0 | | 2138393 | 491771 | 210 | 525 | 2342 | 0.79(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:55 | 33:56 | -1 | 1.357 | 1966288 | 382612 | 565 | 1412 | 677 | | |
| 303.9597 | 33:55 | 33:56 | -1 | 1.357 | 2482871 | 486592 | 210 | 525 | 2317 | 0.79(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:28 | 34:29 | -1 | 1.380 | 2010031 | 381366 | 565 | 1412 | 675 | | |
| 303.9597 | 34:28 | 34:29 | -1 | 1.380 | 2541263 | 477390 | 210 | 525 | 2273 | 0.79(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:27 | 20:26 | 1 | 1.000 | 8197 | 2093 | 8 | 20 | 262 | | |
| 291.9194 | 20:27 | 20:26 | 1 | 1.001 | 10336 | 2578 | 9 | 22 | 286 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:38 | 22:37 | 1 | 1.108 | 38951 | 6974 | 61 | 152 | 114 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.107 | 50828 | 9866 | 81 | 202 | 122 | 0.77(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:38 | 22:37 | 1 | 1.108 | 38951 | 6974 | 61 | 152 | 114 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.107 | 50828 | 9866 | 81 | 202 | 122 | 0.77(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:22 | 23:21 | 0 | 1.143 | 39348 | 5140 | 61 | 152 | 84 | | M |
| 291.9194 | 23:22 | 23:21 | 0 | 1.143 | 49786 | 6761 | 81 | 202 | 83 | 0.79(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:22 | 23:21 | 0 | 1.143 | 39348 | 5140 | 61 | 152 | 84 | | M |
| 291.9194 | 23:22 | 23:21 | 0 | 1.143 | 49786 | 6761 | 81 | 202 | 83 | 0.79(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:35 | 23:35 | 0 | 1.155 | 15922 | 3679 | 61 | 152 | 60 | | |
| 291.9194 | 23:35 | 23:35 | 0 | 1.155 | 21682 | 5210 | 81 | 202 | 64 | 0.73(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 25:02 | 25:00 | 1 | 1.225 | 20808 | 4754 | 61 | 152 | 78 | | |
| 291.9194 | 25:01 | 25:00 | 0 | 1.224 | 24477 | 5642 | 81 | 202 | 70 | 0.85(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:10 | 25:09 | 0 | 1.232 | 43667 | 6007 | 61 | 152 | 98 | | M |
| 291.9194 | 25:10 | 25:09 | 0 | 1.232 | 56504 | 8364 | 81 | 202 | 103 | 0.77(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:10 | 25:09 | 0 | 1.232 | 43667 | 6007 | 61 | 152 | 98 | | M |
| 291.9194 | 25:10 | 25:09 | 0 | 1.232 | 56504 | 8364 | 81 | 202 | 103 | 0.77(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | M |
| 289.9224 | 25:27 | 25:29 | -1 | 1.246 | 50101 | 7646 | 61 | 152 | 125 | | |
| 291.9194 | 25:29 | 25:29 | 0 | 1.247 | 64524 | 10387 | 81 | 202 | 128 | 0.78(0.65-0.89) | M |
| PCB-69 (C49) | | | | | | | | | | | M |
| 289.9224 | 25:27 | 25:29 | -1 | 1.246 | 50101 | 7646 | 61 | 152 | 125 | | |
| 291.9194 | 25:29 | 25:29 | 0 | 1.247 | 64524 | 10387 | 81 | 202 | 128 | 0.78(0.65-0.89) | M |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:47 | 25:48 | 0 | 1.262 | 20498 | 5179 | 61 | 152 | 85 | | |
| 291.9194 | 25:47 | 25:48 | 0 | 1.262 | 27913 | 6401 | 81 | 202 | 79 | 0.73(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.274 | 69626 | 10996 | 61 | 152 | 180 | | |
| 291.9194 | 26:03 | 26:02 | 0 | 1.275 | 82733 | 13640 | 81 | 202 | 168 | 0.84(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.274 | 69626 | 10996 | 61 | 152 | 180 | | |
| 291.9194 | 26:03 | 26:02 | 0 | 1.275 | 82733 | 13640 | 81 | 202 | 168 | 0.84(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.274 | 69626 | 10996 | 61 | 152 | 180 | | |
| 291.9194 | 26:03 | 26:02 | 0 | 1.275 | 82733 | 13640 | 81 | 202 | 168 | 0.84(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | Ma |
| 289.9224 | 26:20 | 26:20 | 0 | 1.289 | 88519 | 13530 | 61 | 152 | 222 | | M |
| 291.9194 | 26:20 | 26:20 | 0 | 1.289 | 110093 | 15840 | 81 | 202 | 196 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | Ma |
| 289.9224 | 26:20 | 26:20 | 0 | 1.289 | 88519 | 13530 | 61 | 152 | 222 | | M |
| 291.9194 | 26:20 | 26:20 | 0 | 1.289 | 110093 | 15840 | 81 | 202 | 196 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | Ma |
| 289.9224 | 26:20 | 26:20 | 0 | 1.289 | 88519 | 13530 | 61 | 152 | 222 | | M |
| 291.9194 | 26:20 | 26:20 | 0 | 1.289 | 110093 | 15840 | 81 | 202 | 196 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | Ma |
| 289.9224 | 26:32 | 26:33 | 0 | 1.299 | 19554 | 4277 | 61 | 152 | 70 | | M |
| 291.9194 | 26:32 | 26:33 | 0 | 1.299 | 22651 | 5155 | 81 | 202 | 64 | 0.86(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 27:02 | 27:02 | 1 | 1.323 | 59098 | 8377 | 61 | 152 | 137 | | M |
| 291.9194 | 27:02 | 27:02 | 1 | 1.323 | 77884 | 12011 | 81 | 202 | 148 | 0.76(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:02 | 27:02 | 1 | 1.323 | 59098 | 8377 | 61 | 152 | 137 | | M |
| 291.9194 | 27:02 | 27:02 | 1 | 1.323 | 77884 | 12011 | 81 | 202 | 148 | 0.76(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:02 | 27:02 | 1 | 1.323 | 59098 | 8377 | 61 | 152 | 137 | | M |
| 291.9194 | 27:02 | 27:02 | 1 | 1.323 | 77884 | 12011 | 81 | 202 | 148 | 0.76(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:15 | 27:15 | 0 | 1.334 | 29435 | 6755 | 61 | 152 | 111 | | |
| 291.9194 | 27:15 | 27:15 | 0 | 1.334 | 38745 | 8316 | 81 | 202 | 103 | 0.76(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:05 | 28:06 | 0 | 0.828 | 28284 | 6372 | 61 | 152 | 104 | | |
| 291.9194 | 28:05 | 28:06 | 0 | 0.828 | 36310 | 8460 | 81 | 202 | 104 | 0.78(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:23 | 28:23 | 0 | 0.837 | 31027 | 6296 | 61 | 152 | 103 | | |
| 291.9194 | 28:23 | 28:23 | 0 | 0.837 | 41384 | 8632 | 81 | 202 | 107 | 0.75(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:48 | 28:48 | 1 | 0.849 | 28494 | 6883 | 61 | 152 | 113 | | |
| 291.9194 | 28:48 | 28:48 | 1 | 0.849 | 34883 | 7982 | 81 | 202 | 99 | 0.82(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:03 | 29:02 | 1 | 0.856 | 30414 | 6214 | 61 | 152 | 102 | | |
| 291.9194 | 29:03 | 29:02 | 1 | 0.856 | 36504 | 7414 | 81 | 202 | 92 | 0.83(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:12 | 29:12 | 0 | 0.861 | 30911 | 5769 | 61 | 152 | 95 | | |
| 291.9194 | 29:13 | 29:12 | 0 | 0.861 | 36158 | 7438 | 81 | 202 | 92 | 0.85(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:28 | 29:28 | 0 | 0.869 | 32914 | 6920 | 61 | 152 | 113 | | |
| 291.9194 | 29:28 | 29:28 | 0 | 0.869 | 41949 | 8867 | 81 | 202 | 109 | 0.78(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | 0 | 0.879 | 113634 | 12535 | 61 | 152 | 205 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 145598 | 15738 | 81 | 202 | 194 | 0.78(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | 0 | 0.879 | 113634 | 12535 | 61 | 152 | 205 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 145598 | 15738 | 81 | 202 | 194 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | 0 | 0.879 | 113634 | 12535 | 61 | 152 | 205 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 145598 | 15738 | 81 | 202 | 194 | 0.78(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | 0 | 0.879 | 113634 | 12535 | 61 | 152 | 205 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 145598 | 15738 | 81 | 202 | 194 | 0.78(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:07 | 30:08 | 0 | 0.888 | 30146 | 6278 | 61 | 152 | 103 | | |
| 291.9194 | 30:08 | 30:08 | 1 | 0.889 | 37009 | 7590 | 81 | 202 | 94 | 0.81(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:17 | 30:18 | 0 | 0.893 | 27947 | 5692 | 61 | 152 | 93 | | |
| 291.9194 | 30:17 | 30:18 | 0 | 0.893 | 35568 | 7688 | 81 | 202 | 95 | 0.79(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:48 | 30:48 | 0 | 0.908 | 28019 | 5959 | 61 | 152 | 98 | | |
| 291.9194 | 30:48 | 30:48 | 0 | 0.908 | 37457 | 7837 | 81 | 202 | 97 | 0.75(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:00 | 31:00 | 0 | 0.914 | 30509 | 6019 | 61 | 152 | 99 | | |
| 291.9194 | 31:01 | 31:00 | 1 | 0.914 | 36734 | 7635 | 81 | 202 | 94 | 0.83(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:25 | 31:26 | 0 | 0.926 | 32903 | 6718 | 61 | 152 | 110 | | |
| 291.9194 | 31:26 | 31:26 | 1 | 0.927 | 40302 | 8036 | 81 | 202 | 99 | 0.82(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:57 | 32:57 | 0 | 0.971 | 33364 | 6427 | 61 | 152 | 105 | | |
| 291.9194 | 32:57 | 32:57 | 0 | 0.971 | 39581 | 7716 | 81 | 202 | 95 | 0.84(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:30 | 33:31 | 0 | 0.988 | 26964 | 5216 | 61 | 152 | 86 | | |
| 291.9194 | 33:30 | 33:31 | 0 | 0.988 | 36640 | 6957 | 81 | 202 | 86 | 0.74(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:56 | 33:57 | 0 | 1.001 | 27201 | 5406 | 61 | 152 | 89 | | |
| 291.9194 | 33:56 | 33:57 | 0 | 1.001 | 36849 | 7047 | 81 | 202 | 87 | 0.74(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:31 | 34:30 | 1 | 1.001 | 30097 | 5833 | 61 | 152 | 96 | | |
| 291.9194 | 34:31 | 34:30 | 1 | 1.001 | 34169 | 6286 | 81 | 202 | 78 | 0.88(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:56 | 25:57 | 0 | 0.814 | 2273307 | 516241 | 35 | 87 | 14750 | | |
| 339.9178 | 25:56 | 25:57 | 0 | 0.814 | 1393209 | 307295 | 5 | 12 | 61459 | 1.63(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:51 | 31:51 | 0 | | 1964374 | 418050 | 35 | 87 | 11944 | | |
| 339.9178 | 31:51 | 31:51 | 0 | | 1226076 | 258777 | 5 | 12 | 51755 | 1.60(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:30 | 36:30 | 0 | 1.146 | 2760242 | 565236 | 1708 | 4270 | 331 | | |
| 339.9178 | 36:30 | 36:30 | 0 | 1.146 | 1756452 | 356500 | 1387 | 3467 | 257 | 1.57(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:49 | 36:50 | 0 | 1.156 | 2915165 | 584952 | 1708 | 4270 | 342 | | |
| 339.9178 | 36:49 | 36:50 | 0 | 1.156 | 1857232 | 377640 | 1387 | 3467 | 272 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:22 | 37:22 | 0 | 1.173 | 2886231 | 565913 | 1708 | 4270 | 331 | | |
| 339.9178 | 37:22 | 37:22 | 0 | 1.173 | 1804892 | 347366 | 1387 | 3467 | 250 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 38:00 | 38:00 | 0 | 1.193 | 2901447 | 575417 | 1708 | 4270 | 337 | | |
| 339.9178 | 38:00 | 38:00 | 0 | 1.193 | 1835529 | 363168 | 1387 | 3467 | 262 | 1.58(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:29 | 39:30 | -1 | | 2843901 | 555136 | 1708 | 4270 | 325 | | |
| 339.9178 | 39:29 | 39:30 | -1 | | 1751568 | 332128 | 1387 | 3467 | 239 | 1.62(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:05 | 41:05 | 0 | 1.290 | 2513746 | 481541 | 1708 | 4270 | 282 | | |
| 339.9178 | 41:05 | 41:05 | 0 | 1.290 | 1600671 | 300963 | 1387 | 3467 | 217 | 1.57(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:59 | 25:58 | 0 | 1.001 | 33645 | 7695 | 40 | 100 | 192 | | |
| 327.8775 | 25:58 | 25:58 | 0 | 1.001 | 19932 | 4611 | 33 | 82 | 140 | 1.69(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:20 | 26:20 | 0 | 1.015 | 28506 | 6521 | 40 | 100 | 163 | | |
| 327.8775 | 26:19 | 26:20 | 0 | 1.015 | 17674 | 3914 | 33 | 82 | 119 | 1.61(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:16 | 28:16 | 0 | 1.090 | 25335 | 5576 | 40 | 100 | 139 | | |
| 327.8775 | 28:17 | 28:16 | 1 | 1.090 | 15194 | 3323 | 33 | 82 | 101 | 1.67(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:30 | 28:30 | 0 | 1.099 | 20694 | 4565 | 40 | 100 | 114 | | |
| 327.8775 | 28:30 | 28:30 | 0 | 1.099 | 14024 | 3030 | 33 | 82 | 92 | 1.48(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:56 | 28:56 | 0 | 1.115 | 22168 | 4914 | 40 | 100 | 123 | | |
| 327.8775 | 28:56 | 28:56 | 0 | 1.115 | 14544 | 3053 | 33 | 82 | 93 | 1.52(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | 0 | 1.124 | 46846 | 9769 | 40 | 100 | 244 | | |
| 327.8775 | 29:10 | 29:10 | 1 | 1.125 | 29911 | 6003 | 33 | 82 | 182 | 1.57(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | 0 | 1.124 | 46846 | 9769 | 40 | 100 | 244 | | |
| 327.8775 | 29:10 | 29:10 | 1 | 1.125 | 29911 | 6003 | 33 | 82 | 182 | 1.57(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:18 | 29:18 | 0 | 1.129 | 46344 | 5610 | 40 | 100 | 140 | | M |
| 327.8775 | 29:22 | 29:18 | 4 | 1.132 | 30213 | 3481 | 33 | 82 | 105 | 1.53(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:18 | 29:18 | 0 | 1.129 | 46344 | 5610 | 40 | 100 | 140 | | M |
| 327.8775 | 29:22 | 29:18 | 4 | 1.132 | 30213 | 3481 | 33 | 82 | 105 | 1.53(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | M |
| 325.8804 | 29:48 | 29:48 | 0 | 1.149 | 46788 | 5755 | 40 | 100 | 144 | | |
| 327.8775 | 29:42 | 29:48 | -6 | 1.145 | 28388 | 2960 | 33 | 82 | 90 | 1.65(1.32-1.78) | M |
| PCB-91 (C88) | | | | | | | | | | | M |
| 325.8804 | 29:48 | 29:48 | 0 | 1.149 | 46788 | 5755 | 40 | 100 | 144 | | |
| 327.8775 | 29:42 | 29:48 | -6 | 1.145 | 28388 | 2960 | 33 | 82 | 90 | 1.65(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:01 | 30:01 | 1 | 1.157 | 20590 | 3908 | 40 | 100 | 98 | | |
| 327.8775 | 30:01 | 30:01 | 0 | 1.157 | 13308 | 2814 | 33 | 82 | 85 | 1.55(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:30 | 30:30 | 1 | 1.176 | 21767 | 4787 | 40 | 100 | 120 | | |
| 327.8775 | 30:30 | 30:30 | 1 | 1.176 | 13787 | 2829 | 33 | 82 | 86 | 1.58(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:56 | 30:56 | 0 | 1.192 | 32740 | 6962 | 40 | 100 | 174 | | |
| 327.8775 | 30:56 | 30:56 | 0 | 1.192 | 20638 | 4179 | 33 | 82 | 127 | 1.59(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:18 | 31:18 | 0 | 0.857 | 22897 | 4602 | 40 | 100 | 115 | | |
| 327.8775 | 31:18 | 31:18 | 0 | 0.857 | 14318 | 3263 | 33 | 82 | 99 | 1.60(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.228 | 77135 | 11456 | 40 | 100 | 286 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.228 | 51188 | 7434 | 33 | 82 | 225 | 1.51(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.228 | 77135 | 11456 | 40 | 100 | 286 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.228 | 51188 | 7434 | 33 | 82 | 225 | 1.51(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.228 | 77135 | 11456 | 40 | 100 | 286 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.228 | 51188 | 7434 | 33 | 82 | 225 | 1.51(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:28 | 32:28 | 0 | 1.252 | 44029 | 5188 | 40 | 100 | 130 | | |
| 327.8775 | 32:28 | 32:28 | 0 | 1.252 | 28730 | 3593 | 33 | 82 | 109 | 1.53(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:28 | 32:28 | 0 | 1.252 | 44029 | 5188 | 40 | 100 | 130 | | |
| 327.8775 | 32:28 | 32:28 | 0 | 1.252 | 28730 | 3593 | 33 | 82 | 109 | 1.53(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:35 | 32:35 | 0 | 1.256 | 31266 | 6343 | 40 | 100 | 159 | | |
| 327.8775 | 32:35 | 32:35 | 0 | 1.256 | 18990 | 3669 | 33 | 82 | 111 | 1.65(1.32-1.78) | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:57 | 1 | 1.271 | 161850 | 18328 | 40 | 100 | 458 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 101324 | 11337 | 33 | 82 | 344 | 1.60(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:57 | 1 | 1.271 | 161850 | 18328 | 40 | 100 | 458 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 101324 | 11337 | 33 | 82 | 344 | 1.60(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:57 | 1 | 1.271 | 161850 | 18328 | 40 | 100 | 458 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 101324 | 11337 | 33 | 82 | 344 | 1.60(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:57 | 1 | 1.271 | 161850 | 18328 | 40 | 100 | 458 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 101324 | 11337 | 33 | 82 | 344 | 1.60(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:57 | 1 | 1.271 | 161850 | 18328 | 40 | 100 | 458 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 101324 | 11337 | 33 | 82 | 344 | 1.60(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:58 | 32:57 | 1 | 1.271 | 161850 | 18328 | 40 | 100 | 458 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 101324 | 11337 | 33 | 82 | 344 | 1.60(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.298 | 84548 | 10660 | 40 | 100 | 267 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 55070 | 7576 | 33 | 82 | 230 | 1.54(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.298 | 84548 | 10660 | 40 | 100 | 267 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 55070 | 7576 | 33 | 82 | 230 | 1.54(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.298 | 84548 | 10660 | 40 | 100 | 267 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 55070 | 7576 | 33 | 82 | 230 | 1.54(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | Ma |
| 325.8804 | 33:51 | 33:56 | -5 | 1.305 | 62040 | 6749 | 40 | 100 | 169 | | M |
| 327.8775 | 33:56 | 33:56 | 0 | 1.308 | 39917 | 4370 | 33 | 82 | 132 | 1.55(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | Ma |
| 325.8804 | 33:51 | 33:56 | -5 | 1.305 | 62040 | 6749 | 40 | 100 | 169 | | M |
| 327.8775 | 33:56 | 33:56 | 0 | 1.308 | 39917 | 4370 | 33 | 82 | 132 | 1.55(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:10 | 34:10 | 0 | 1.317 | 20967 | 4009 | 40 | 100 | 100 | | |
| 327.8775 | 34:09 | 34:10 | -1 | 1.317 | 12544 | 2596 | 33 | 82 | 79 | 1.67(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:34 | 34:35 | -1 | 1.332 | 32314 | 6363 | 40 | 100 | 159 | | |
| 327.8775 | 34:35 | 34:35 | 0 | 1.333 | 21928 | 4248 | 33 | 82 | 129 | 1.47(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:01 | 35:02 | -1 | 1.350 | 33150 | 6623 | 40 | 100 | 166 | | |
| 327.8775 | 35:02 | 35:02 | 0 | 1.351 | 22586 | 4465 | 33 | 82 | 135 | 1.47(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.394 | 72109 | 13850 | 75 | 187 | 185 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.394 | 46162 | 9288 | 58 | 145 | 160 | 1.56(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.394 | 72109 | 13850 | 75 | 187 | 185 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.394 | 46162 | 9288 | 58 | 145 | 160 | 1.56(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:24 | 36:25 | 0 | 1.404 | 40211 | 7298 | 75 | 187 | 97 | | |
| 327.8775 | 36:24 | 36:25 | -1 | 1.403 | 27525 | 5054 | 58 | 145 | 87 | 1.46(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:31 | 36:32 | 0 | 1.001 | 40142 | 7883 | 75 | 187 | 105 | | |
| 327.8775 | 36:31 | 36:32 | 0 | 1.001 | 23388 | 5264 | 58 | 145 | 91 | 1.72(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:39 | 36:39 | 0 | 1.004 | 38768 | 7727 | 75 | 187 | 103 | | |
| 327.8775 | 36:39 | 36:39 | 0 | 1.004 | 23053 | 4498 | 58 | 145 | 78 | 1.68(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:51 | 36:51 | 0 | 1.001 | 40538 | 7632 | 75 | 187 | 102 | | |
| 327.8775 | 36:51 | 36:51 | 0 | 1.001 | 24301 | 4574 | 58 | 145 | 79 | 1.67(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:11 | 37:12 | 0 | 1.010 | 35562 | 7360 | 75 | 187 | 98 | | |
| 327.8775 | 37:11 | 37:12 | 0 | 1.010 | 21701 | 4198 | 58 | 145 | 72 | 1.64(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:22 | 37:23 | 0 | 1.000 | 43999 | 8161 | 75 | 187 | 109 | | |
| 327.8775 | 37:22 | 37:23 | 0 | 1.000 | 28279 | 5366 | 58 | 145 | 93 | 1.56(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:02 | 38:02 | 0 | 1.001 | 41522 | 7799 | 75 | 187 | 104 | | |
| 327.8775 | 38:02 | 38:02 | 0 | 1.001 | 25857 | 4817 | 58 | 145 | 83 | 1.61(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:30 | 39:31 | 0 | 1.040 | 39454 | 7216 | 75 | 187 | 96 | | |
| 327.8775 | 39:30 | 39:31 | 0 | 1.040 | 25376 | 4943 | 58 | 145 | 85 | 1.55(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:07 | 41:07 | 0 | 1.001 | 36584 | 6095 | 75 | 187 | 81 | | |
| 327.8775 | 41:07 | 41:07 | 0 | 1.001 | 23414 | 3794 | 58 | 145 | 65 | 1.56(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:38 | 31:38 | 0 | 0.792 | 1747125 | 379409 | 61 | 152 | 6220 | | |
| 373.8788 | 31:38 | 31:38 | 0 | 0.792 | 1332445 | 279487 | 21 | 52 | 13309 | 1.31(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:57 | 39:58 | -1 | | 1908448 | 381920 | 1130 | 2825 | 338 | | |
| 373.8788 | 39:58 | 39:58 | 0 | | 1513562 | 305535 | 642 | 1605 | 476 | 1.26(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:58 | 42:58 | 0 | 1.076 | 2415946 | 476948 | 1130 | 2825 | 422 | | |
| 373.8788 | 42:58 | 42:58 | 0 | 1.076 | 1923273 | 375643 | 642 | 1605 | 585 | 1.26(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | 0 | 1.104 | 4640348 | 655855 | 1130 | 2825 | 580 | | |
| 373.8788 | 44:07 | 44:07 | 0 | 1.104 | 3668692 | 520200 | 642 | 1605 | 810 | 1.26(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | 0 | 1.104 | 4640348 | 655855 | 1130 | 2825 | 580 | | |
| 373.8788 | 44:07 | 44:07 | 0 | 1.104 | 3668692 | 520200 | 642 | 1605 | 810 | 1.26(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:21 | 47:22 | -1 | 1.185 | 2050163 | 376265 | 1130 | 2825 | 333 | | |
| 373.8788 | 47:21 | 47:22 | -1 | 1.185 | 1639296 | 300397 | 642 | 1605 | 468 | 1.25(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:40 | 31:40 | 0 | 1.001 | 24912 | 5850 | 18 | 45 | 325 | | |
| 361.8385 | 31:40 | 31:40 | 0 | 1.001 | 18326 | 4008 | 17 | 42 | 236 | 1.36(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:50 | 31:51 | 0 | 1.006 | 22845 | 4718 | 18 | 45 | 262 | | |
| 361.8385 | 31:50 | 31:51 | 0 | 1.006 | 18259 | 3668 | 17 | 42 | 216 | 1.25(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:01 | 32:01 | 0 | 1.012 | 23061 | 5241 | 18 | 45 | 291 | | |
| 361.8385 | 32:02 | 32:01 | 1 | 1.012 | 18507 | 3861 | 17 | 42 | 227 | 1.25(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:23 | 32:22 | 1 | 1.023 | 21557 | 4592 | 18 | 45 | 255 | | |
| 361.8385 | 32:23 | 32:22 | 1 | 1.023 | 17746 | 3592 | 17 | 42 | 211 | 1.21(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:41 | 32:41 | 0 | 1.033 | 22354 | 4861 | 18 | 45 | 270 | | |
| 361.8385 | 32:41 | 32:41 | 0 | 1.033 | 16254 | 3491 | 17 | 42 | 205 | 1.38(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:12 | 34:13 | 0 | 1.081 | 16300 | 3562 | 18 | 45 | 198 | | |
| 361.8385 | 34:12 | 34:13 | -1 | 1.081 | 12857 | 2676 | 17 | 42 | 157 | 1.27(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:48 | 34:47 | 1 | 1.100 | 31807 | 3823 | 18 | 45 | 212 | | |
| 361.8385 | 34:48 | 34:47 | 1 | 1.100 | 25086 | 2831 | 17 | 42 | 167 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:48 | 34:47 | 1 | 1.100 | 31807 | 3823 | 18 | 45 | 212 | | |
| 361.8385 | 34:48 | 34:47 | 1 | 1.100 | 25086 | 2831 | 17 | 42 | 167 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:03 | 35:03 | 0 | 1.108 | 19848 | 3817 | 18 | 45 | 212 | | |
| 361.8385 | 35:04 | 35:03 | 1 | 1.108 | 14171 | 2755 | 17 | 42 | 162 | 1.40(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:21 | 35:21 | 0 | 1.117 | 17469 | 3609 | 18 | 45 | 201 | | |
| 361.8385 | 35:21 | 35:21 | 0 | 1.117 | 13247 | 2683 | 17 | 42 | 158 | 1.32(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | 0 | 1.129 | 46289 | 9588 | 28 | 70 | 342 | | |
| 361.8385 | 35:42 | 35:43 | -1 | 1.128 | 38715 | 7657 | 40 | 100 | 191 | 1.20(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | 0 | 1.129 | 46289 | 9588 | 28 | 70 | 342 | | |
| 361.8385 | 35:42 | 35:43 | -1 | 1.128 | 38715 | 7657 | 40 | 100 | 191 | 1.20(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | M |
| 359.8415 | 36:00 | 36:00 | 0 | 1.138 | 41961 | 4468 | 28 | 70 | 160 | | |
| 361.8385 | 35:54 | 36:00 | -7 | 1.135 | 31663 | 3388 | 40 | 100 | 85 | 1.33(1.05-1.43) | M |
| PCB-143 (C134) | | | | | | | | | | | M |
| 359.8415 | 36:00 | 36:00 | 0 | 1.138 | 41961 | 4468 | 28 | 70 | 160 | | |
| 361.8385 | 35:54 | 36:00 | -7 | 1.135 | 31663 | 3388 | 40 | 100 | 85 | 1.33(1.05-1.43) | M |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | 0 | 1.148 | 49403 | 9182 | 28 | 70 | 328 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.147 | 38889 | 6782 | 40 | 100 | 170 | 1.27(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | 0 | 1.148 | 49403 | 9182 | 28 | 70 | 328 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.147 | 38889 | 6782 | 40 | 100 | 170 | 1.27(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:31 | 36:31 | 0 | 1.154 | 20959 | 4252 | 28 | 70 | 152 | | |
| 361.8385 | 36:31 | 36:31 | 0 | 1.154 | 17003 | 3546 | 40 | 100 | 89 | 1.23(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:39 | 36:40 | 0 | 1.159 | 20995 | 4818 | 28 | 70 | 172 | | |
| 361.8385 | 36:39 | 36:40 | 0 | 1.159 | 17690 | 3460 | 40 | 100 | 87 | 1.19(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:57 | 36:58 | -1 | 1.168 | 22364 | 4721 | 28 | 70 | 169 | | |
| 361.8385 | 36:57 | 36:58 | -1 | 1.168 | 16918 | 3417 | 40 | 100 | 85 | 1.32(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:28 | 37:29 | -1 | 1.184 | 21643 | 4248 | 28 | 70 | 152 | | |
| 361.8385 | 37:29 | 37:29 | 0 | 1.185 | 18275 | 3627 | 40 | 100 | 91 | 1.18(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:52 | 37:53 | 0 | 0.881 | 27604 | 5366 | 28 | 70 | 192 | | |
| 361.8385 | 37:52 | 37:53 | 0 | 0.881 | 20650 | 4496 | 40 | 100 | 112 | 1.34(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:07 | 38:08 | -1 | 0.887 | 23636 | 5034 | 28 | 70 | 180 | | |
| 361.8385 | 38:07 | 38:08 | -1 | 0.887 | 19870 | 4057 | 40 | 100 | 101 | 1.19(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:16 | 38:16 | 0 | 0.890 | 32773 | 6366 | 28 | 70 | 227 | | |
| 361.8385 | 38:16 | 38:16 | 0 | 0.890 | 27204 | 5231 | 40 | 100 | 131 | 1.20(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:46 | 38:47 | 0 | 0.902 | 58098 | 8862 | 28 | 70 | 317 | | |
| 361.8385 | 38:45 | 38:47 | -1 | 0.902 | 51968 | 7652 | 40 | 100 | 191 | 1.12(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:46 | 38:47 | 0 | 0.902 | 58098 | 8862 | 28 | 70 | 317 | | |
| 361.8385 | 38:45 | 38:47 | -1 | 0.902 | 51968 | 7652 | 40 | 100 | 191 | 1.12(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:56 | 38:56 | 0 | 0.906 | 23800 | 4696 | 28 | 70 | 168 | | |
| 361.8385 | 38:56 | 38:56 | 0 | 0.906 | 18858 | 3593 | 40 | 100 | 90 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:20 | 39:20 | 0 | 0.915 | 20006 | 4406 | 28 | 70 | 157 | | |
| 361.8385 | 39:21 | 39:20 | 0 | 0.916 | 16675 | 3461 | 40 | 100 | 87 | 1.20(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:33 | 39:35 | -1 | 0.921 | 24705 | 5279 | 28 | 70 | 189 | | |
| 361.8385 | 39:33 | 39:35 | -1 | 0.921 | 20810 | 4151 | 40 | 100 | 104 | 1.19(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:40 | 39:41 | 0 | 0.923 | 32836 | 6908 | 28 | 70 | 247 | | |
| 361.8385 | 39:40 | 39:41 | 0 | 0.923 | 25403 | 4923 | 40 | 100 | 123 | 1.29(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 105556 | 11150 | 28 | 70 | 398 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 83309 | 9785 | 40 | 100 | 245 | 1.27(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 105556 | 11150 | 28 | 70 | 398 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 83309 | 9785 | 40 | 100 | 245 | 1.27(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 105556 | 11150 | 28 | 70 | 398 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 83309 | 9785 | 40 | 100 | 245 | 1.27(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 105556 | 11150 | 28 | 70 | 398 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 83309 | 9785 | 40 | 100 | 245 | 1.27(1.05-1.43) | M |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:23 | 40:23 | 0 | 0.940 | 35013 | 6518 | 28 | 70 | 233 | | |
| 361.8385 | 40:23 | 40:23 | 0 | 0.940 | 26657 | 4706 | 40 | 100 | 118 | 1.31(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:13 | 41:14 | -1 | 0.959 | 54800 | 9934 | 28 | 70 | 355 | | |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 44031 | 7900 | 40 | 100 | 198 | 1.24(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:13 | 41:14 | -1 | 0.959 | 54800 | 9934 | 28 | 70 | 355 | | |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 44031 | 7900 | 40 | 100 | 198 | 1.24(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:13 | 42:14 | -1 | 0.983 | 32768 | 6192 | 28 | 70 | 221 | | |
| 361.8385 | 42:13 | 42:14 | -1 | 0.983 | 26458 | 5287 | 40 | 100 | 132 | 1.24(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:31 | 42:32 | -1 | 0.989 | 33956 | 6044 | 28 | 70 | 216 | | |
| 361.8385 | 42:31 | 42:32 | -1 | 0.989 | 27670 | 5388 | 40 | 100 | 135 | 1.23(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:00 | 43:00 | 0 | 1.001 | 35763 | 6963 | 28 | 70 | 249 | | |
| 361.8385 | 42:59 | 43:00 | -1 | 1.000 | 27905 | 5051 | 40 | 100 | 126 | 1.28(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | -1 | 1.000 | 62937 | 8520 | 28 | 70 | 304 | | |
| 361.8385 | 44:09 | 44:09 | 0 | 1.001 | 49328 | 6984 | 40 | 100 | 175 | 1.28(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | -1 | 1.000 | 62937 | 8520 | 28 | 70 | 304 | | |
| 361.8385 | 44:09 | 44:09 | 0 | 1.001 | 49328 | 6984 | 40 | 100 | 175 | 1.28(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:23 | 47:23 | 0 | 1.001 | 28500 | 4657 | 28 | 70 | 166 | | |
| 361.8385 | 47:22 | 47:23 | -1 | 1.001 | 22592 | 4089 | 40 | 100 | 102 | 1.26(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:22 | 37:23 | 0 | 0.821 | 2070518 | 412823 | 48 | 120 | 8600 | | |
| 407.8398 | 37:22 | 37:23 | 0 | 0.821 | 1925802 | 389020 | 1 | 2 | 389020 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:31 | 45:32 | -1 | | 1549880 | 306360 | 48 | 120 | 6383 | | |
| 407.8398 | 45:31 | 45:32 | -1 | | 1476409 | 290677 | 1 | 2 | 290677 | 1.05(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:46 | 46:47 | 0 | 1.028 | 1347724 | 259892 | 48 | 120 | 5414 | | |
| 407.8398 | 46:46 | 46:47 | 0 | 1.028 | 1243329 | 234565 | 1 | 2 | 234565 | 1.08(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:54 | 49:54 | 0 | 1.096 | 2521041 | 473436 | 451 | 1127 | 1050 | | |
| 407.8398 | 49:53 | 49:54 | -1 | 1.096 | 2380609 | 457234 | 364 | 910 | 1256 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:24 | 37:24 | 0 | 1.001 | 26969 | 5440 | 16 | 40 | 340 | | |
| 395.7995 | 37:23 | 37:24 | -1 | 1.000 | 26747 | 5752 | 17 | 42 | 338 | 1.01(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:44 | 37:44 | 0 | 1.009 | 25866 | 5608 | 16 | 40 | 351 | | |
| 395.7995 | 37:43 | 37:44 | -1 | 1.009 | 24663 | 5154 | 17 | 42 | 303 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:16 | 38:16 | 0 | 1.024 | 25188 | 5275 | 16 | 40 | 330 | | |
| 395.7995 | 38:16 | 38:16 | 0 | 1.024 | 24596 | 5180 | 17 | 42 | 305 | 1.02(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:36 | 38:36 | 0 | 1.033 | 27721 | 5781 | 16 | 40 | 361 | | |
| 395.7995 | 38:36 | 38:36 | 0 | 1.033 | 26196 | 5198 | 17 | 42 | 306 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:03 | 39:04 | -1 | 1.045 | 26438 | 5230 | 16 | 40 | 327 | | |
| 395.7995 | 39:04 | 39:04 | 0 | 1.045 | 23969 | 4651 | 17 | 42 | 274 | 1.10(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:27 | 40:27 | 0 | 1.082 | 19184 | 3902 | 16 | 40 | 244 | | |
| 395.7995 | 40:27 | 40:27 | 0 | 1.082 | 17847 | 3751 | 17 | 42 | 221 | 1.07(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:05 | 41:05 | 0 | 1.099 | 20186 | 4141 | 16 | 40 | 259 | | |
| 395.7995 | 41:04 | 41:05 | -1 | 1.099 | 19396 | 3932 | 17 | 42 | 231 | 1.04(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:21 | 41:22 | -1 | 1.106 | 21097 | 4373 | 16 | 40 | 273 | | |
| 395.7995 | 41:21 | 41:22 | -1 | 1.106 | 19944 | 3730 | 17 | 42 | 219 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:33 | 41:34 | -1 | 1.112 | 19889 | 3827 | 16 | 40 | 239 | | |
| 395.7995 | 41:33 | 41:34 | -1 | 1.112 | 21715 | 4425 | 17 | 42 | 260 | 0.92(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:58 | 41:59 | 0 | 1.123 | 41563 | 4511 | 16 | 40 | 282 | | M |
| 395.7995 | 42:02 | 41:59 | 4 | 1.125 | 39679 | 4347 | 17 | 42 | 256 | 1.05(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:58 | 41:59 | 0 | 1.123 | 41563 | 4511 | 16 | 40 | 282 | | M |
| 395.7995 | 42:02 | 41:59 | 4 | 1.125 | 39679 | 4347 | 17 | 42 | 256 | 1.05(0.89-1.21) | M |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:12 | 42:12 | 0 | 1.129 | 17035 | 3524 | 16 | 40 | 220 | | |
| 395.7995 | 42:11 | 42:12 | -1 | 1.129 | 17563 | 3931 | 17 | 42 | 231 | 0.97(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:38 | 42:39 | -1 | 1.141 | 17524 | 3158 | 16 | 40 | 197 | | |
| 395.7995 | 42:38 | 42:39 | 0 | 1.141 | 16278 | 2942 | 17 | 42 | 173 | 1.08(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:02 | 43:02 | 0 | 1.151 | 20626 | 4163 | 16 | 40 | 260 | | |
| 395.7995 | 43:01 | 43:02 | -1 | 1.151 | 18548 | 3711 | 17 | 42 | 218 | 1.11(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -1 | 1.157 | 34312 | 5756 | 16 | 40 | 360 | | |
| 395.7995 | 43:14 | 43:16 | -1 | 1.157 | 34505 | 5967 | 17 | 42 | 351 | 0.99(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -1 | 1.157 | 34312 | 5756 | 16 | 40 | 360 | | |
| 395.7995 | 43:14 | 43:16 | -1 | 1.157 | 34505 | 5967 | 17 | 42 | 351 | 0.99(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:53 | 44:54 | -1 | 0.900 | 17470 | 3517 | 16 | 40 | 220 | | |
| 395.7995 | 44:53 | 44:54 | -1 | 0.900 | 17897 | 3621 | 17 | 42 | 213 | 0.98(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:10 | 45:11 | -1 | 0.905 | 23776 | 4617 | 16 | 40 | 289 | | |
| 395.7995 | 45:10 | 45:11 | 0 | 0.905 | 21942 | 4063 | 17 | 42 | 239 | 1.08(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 46391 | 6152 | 16 | 40 | 385 | | |
| 395.7995 | 45:29 | 45:30 | -1 | 0.912 | 42463 | 6002 | 17 | 42 | 353 | 1.09(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 46391 | 6152 | 16 | 40 | 385 | | |
| 395.7995 | 45:29 | 45:30 | -1 | 0.912 | 42463 | 6002 | 17 | 42 | 353 | 1.09(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:53 | 45:55 | -2 | 0.920 | 25309 | 4777 | 16 | 40 | 299 | | |
| 395.7995 | 45:54 | 45:55 | -1 | 0.920 | 23398 | 4738 | 17 | 42 | 279 | 1.08(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:47 | 46:48 | -1 | 0.938 | 18651 | 3399 | 16 | 40 | 212 | | |
| 395.7995 | 46:48 | 46:48 | 0 | 0.938 | 17196 | 3331 | 17 | 42 | 196 | 1.08(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:19 | 47:20 | -1 | 0.948 | 25118 | 4708 | 16 | 40 | 294 | | |
| 395.7995 | 47:19 | 47:20 | -1 | 0.948 | 23644 | 4435 | 17 | 42 | 261 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:54 | 49:56 | -1 | 1.000 | 34481 | 6836 | 57 | 142 | 120 | | |
| 395.7995 | 49:54 | 49:56 | -1 | 1.000 | 32427 | 6258 | 31 | 77 | 202 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:45 | 42:45 | 0 | 0.822 | 1486371 | 287746 | 83 | 207 | 3467 | | |
| 441.8008 | 42:44 | 42:45 | -1 | 0.822 | 1585423 | 299922 | 68 | 170 | 4411 | 0.94(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:00 | 52:01 | -1 | | 1610153 | 296424 | 150 | 375 | 1976 | | |
| 441.8008 | 52:00 | 52:01 | -1 | | 1769348 | 342674 | 130 | 325 | 2636 | 0.91(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:29 | 52:30 | -1 | 1.009 | 2079614 | 395714 | 150 | 375 | 2638 | | |
| 441.8008 | 52:29 | 52:30 | -1 | 1.009 | 2313066 | 436535 | 130 | 325 | 3358 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:46 | 42:47 | 0 | 1.001 | 15645 | 3398 | 16 | 40 | 212 | | |
| 429.7606 | 42:46 | 42:47 | 0 | 1.001 | 18676 | 3809 | 17 | 42 | 224 | 0.84(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:42 | 43:42 | 0 | 1.022 | 21028 | 3934 | 16 | 40 | 246 | | |
| 429.7606 | 43:42 | 43:42 | 0 | 1.022 | 20921 | 4402 | 17 | 42 | 259 | 1.01(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:23 | 44:23 | 0 | 1.038 | 16302 | 2978 | 16 | 40 | 186 | | |
| 429.7606 | 44:23 | 44:23 | 0 | 1.038 | 19866 | 3528 | 17 | 42 | 208 | 0.82(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:35 | 44:36 | -1 | 1.043 | 21133 | 3700 | 16 | 40 | 231 | | |
| 429.7606 | 44:35 | 44:36 | -1 | 1.043 | 21709 | 4629 | 17 | 42 | 272 | 0.97(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:42 | 44:42 | 0 | 1.046 | 16281 | 3760 | 16 | 40 | 235 | | |
| 429.7606 | 44:41 | 44:42 | 0 | 1.046 | 20273 | 3961 | 17 | 42 | 233 | 0.80(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 0 | 1.111 | 25740 | 3430 | 16 | 40 | 214 | | |
| 429.7606 | 47:29 | 47:30 | -1 | 1.111 | 28283 | 3937 | 17 | 42 | 232 | 0.91(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 0 | 1.111 | 25740 | 3430 | 16 | 40 | 214 | | |
| 429.7606 | 47:29 | 47:30 | -1 | 1.111 | 28283 | 3937 | 17 | 42 | 232 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:10 | 48:10 | 0 | 0.918 | 13542 | 2465 | 16 | 40 | 154 | | |
| 429.7606 | 48:10 | 48:10 | 0 | 0.918 | 15638 | 2850 | 17 | 42 | 168 | 0.87(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:21 | 48:22 | -1 | 0.921 | 14661 | 2663 | 16 | 40 | 166 | | |
| 429.7606 | 48:22 | 48:22 | 0 | 0.922 | 16884 | 3269 | 17 | 42 | 192 | 0.87(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:41 | 49:42 | -1 | 0.947 | 16772 | 3027 | 35 | 87 | 86 | | |
| 429.7606 | 49:41 | 49:42 | -1 | 0.947 | 20238 | 3926 | 41 | 102 | 96 | 0.83(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:02 | 52:03 | -1 | 0.992 | 19724 | 3850 | 35 | 87 | 110 | | |
| 429.7606 | 52:01 | 52:03 | -2 | 0.991 | 22126 | 4062 | 41 | 102 | 99 | 0.89(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:30 | 52:31 | -1 | 1.000 | 28325 | 5177 | 35 | 87 | 148 | | |
| 429.7606 | 52:30 | 52:31 | -1 | 1.000 | 31750 | 6467 | 41 | 102 | 158 | 0.89(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:25 | 49:26 | -1 | 0.950 | 1702024 | 333076 | 378 | 945 | 881 | | |
| 475.7619 | 49:25 | 49:26 | -1 | 0.950 | 2180749 | 423857 | 505 | 1262 | 839 | 0.78(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:15 | 54:15 | -1 | 1.043 | 1373675 | 260240 | 378 | 945 | 688 | | |
| 475.7619 | 54:14 | 54:15 | -1 | 1.043 | 1692044 | 319337 | 505 | 1262 | 632 | 0.81(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | M |
| 461.7246 | 49:27 | 49:28 | -1 | 1.001 | 21528 | 4474 | 55 | 137 | 81 | | M |
| 463.7216 | 49:27 | 49:28 | -1 | 1.001 | 27900 | 5322 | 157 | 392 | 34 | 0.77(0.65-0.89) | M |
| PCB-207 | | | | | | | | | | | M |
| 461.7246 | 50:23 | 50:24 | 0 | 1.020 | 24828 | 4983 | 55 | 137 | 91 | | M |
| 463.7216 | 50:23 | 50:24 | 0 | 1.020 | 28501 | 5880 | 157 | 392 | 37 | 0.87(0.65-0.89) | M |
| PCB-206 | | | | | | | | | | | M |
| 461.7246 | 54:15 | 54:17 | -2 | 1.000 | 17378 | 2925 | 55 | 137 | 53 | | M |
| 463.7216 | 54:16 | 54:17 | -1 | 1.000 | 23737 | 4213 | 157 | 392 | 27 | 0.73(0.65-0.89) | M |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:53 | 55:55 | -1 | 1.075 | 1421817 | 240842 | 60 | 150 | 4014 | | |
| 509.7229 | 55:53 | 55:55 | -1 | 1.075 | 1969467 | 339724 | 59 | 147 | 5758 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:55 | 55:56 | -1 | 1.000 | 19334 | 3503 | 10 | 25 | 350 | | |
| 497.6826 | 55:54 | 55:56 | -2 | 1.000 | 26643 | 4687 | 10 | 25 | 469 | 0.73(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61L11668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville

| | | | |
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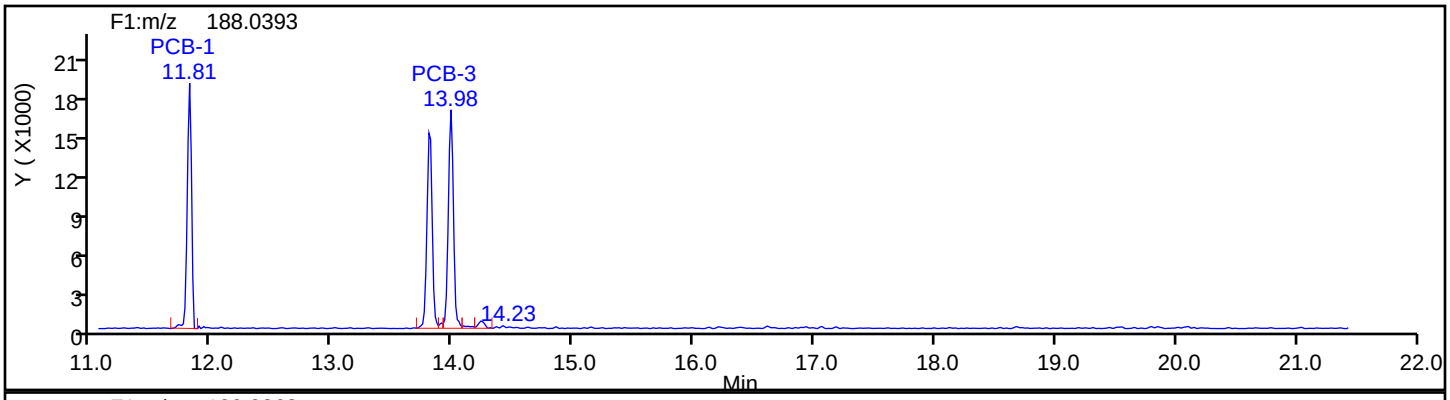
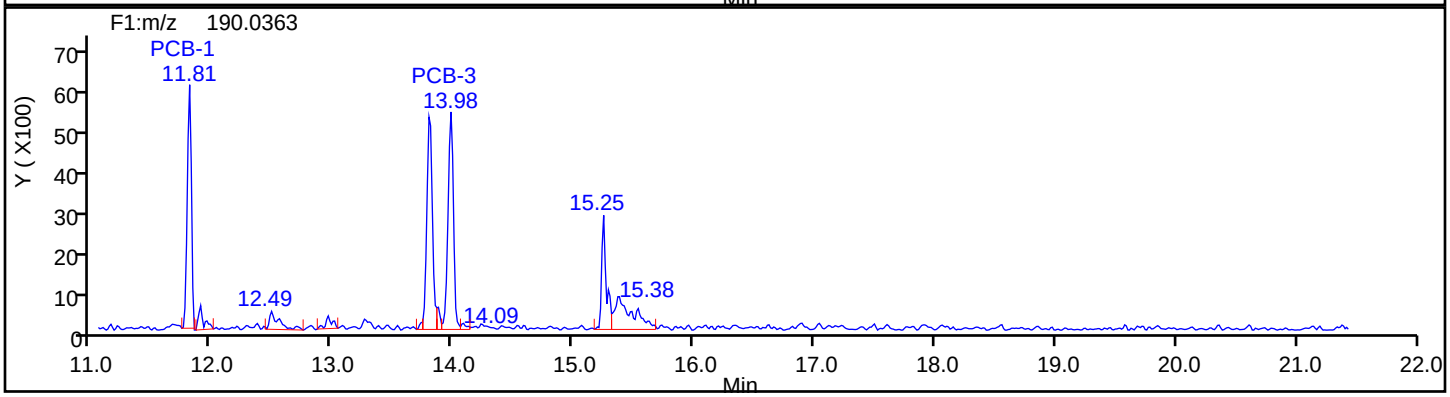
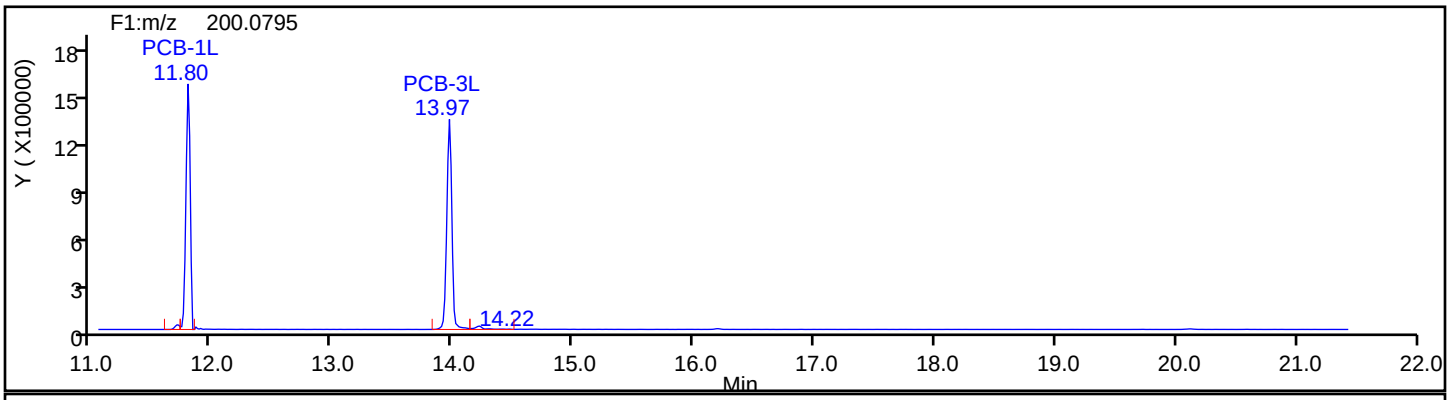
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

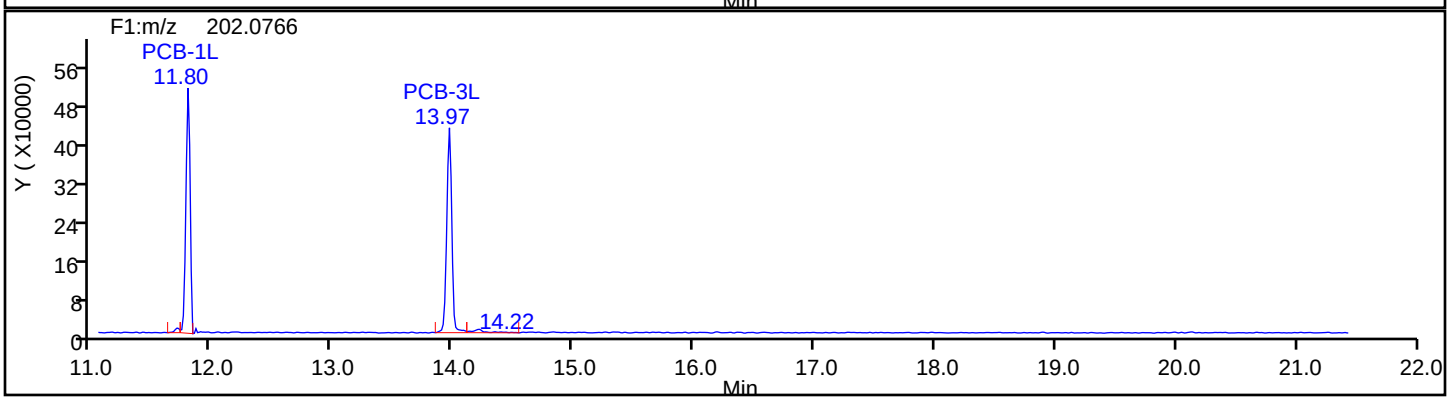
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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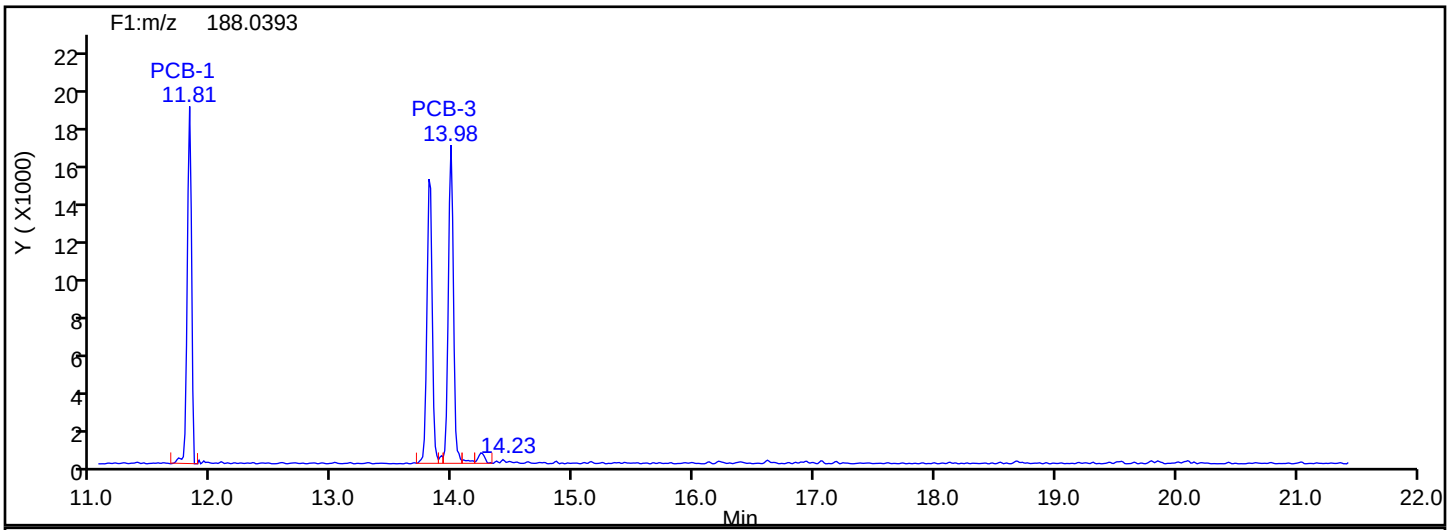
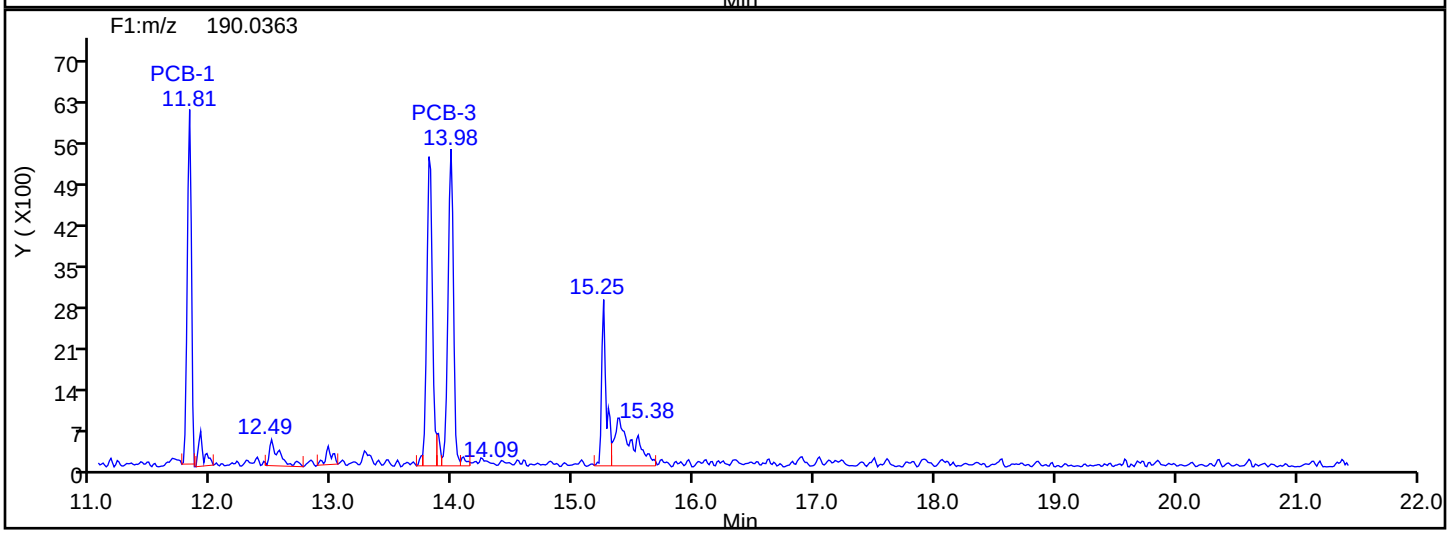
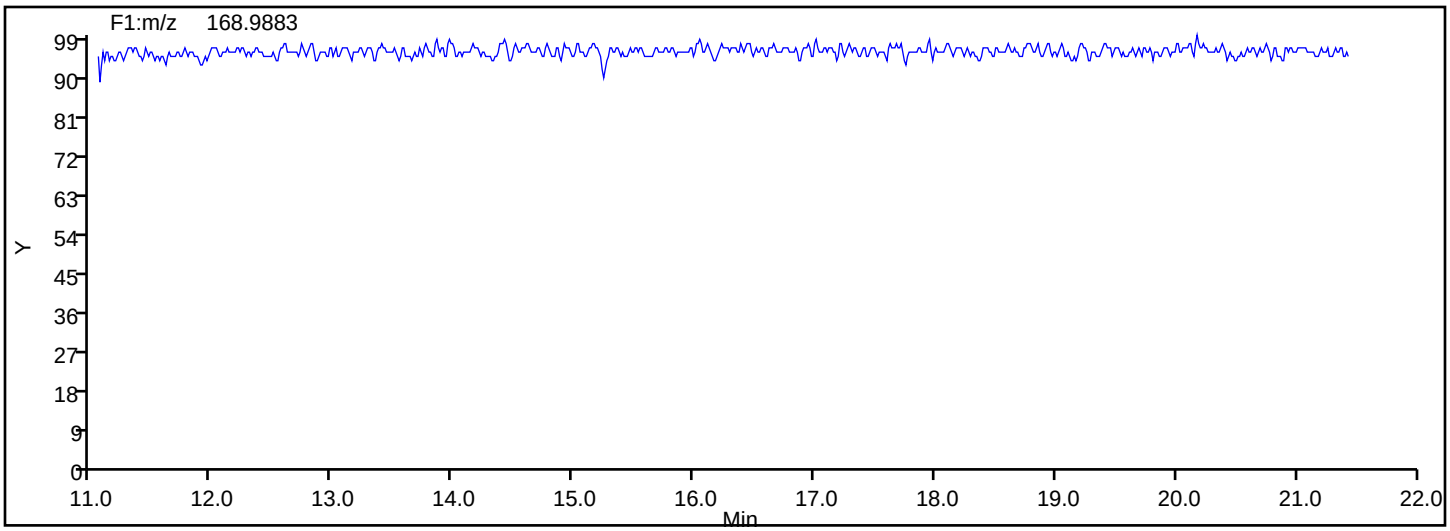
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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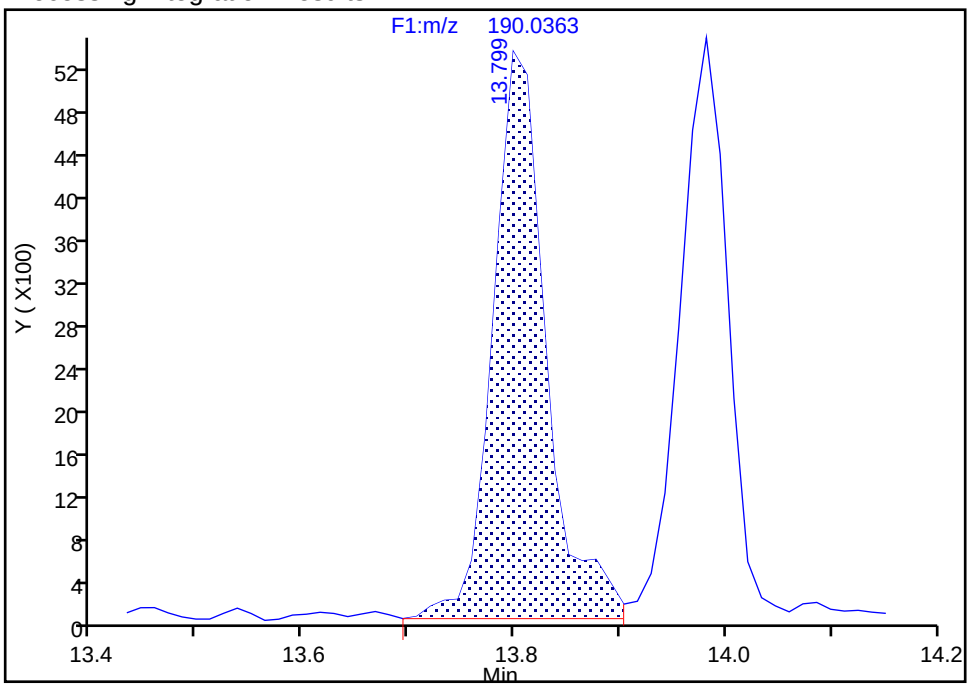
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-2, CAS: 2051-61-8

Signal: 2

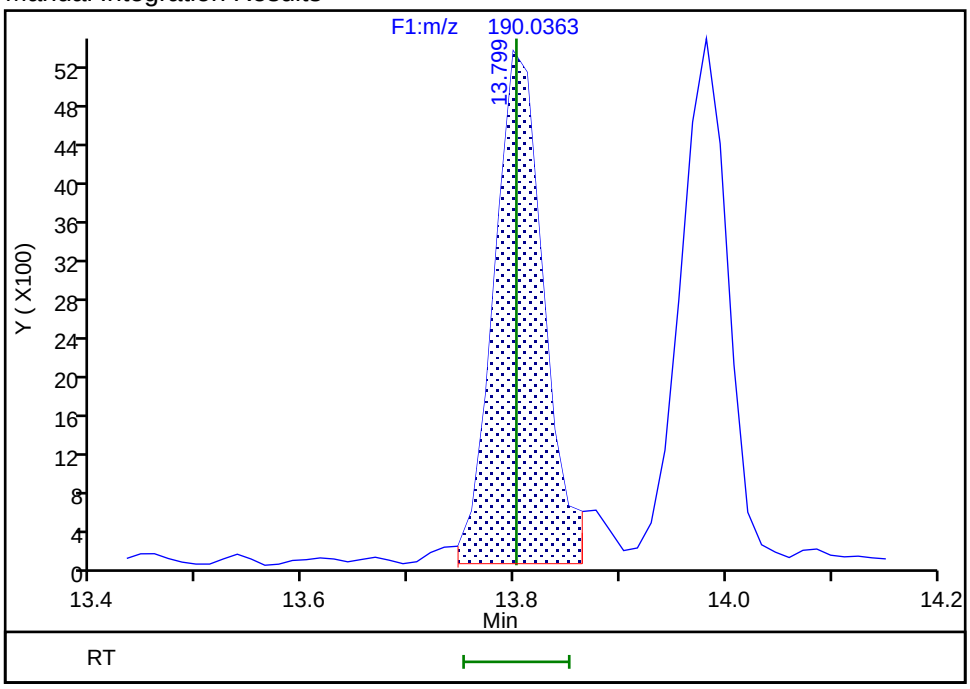
Processing Integration Results

RT: 13.80
Area: 18285
Amount: 1.008249
Amount Units: pg/ul




Manual Integration Results

RT: 13.80
Area: 17019
Amount: 1.011706
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:04:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

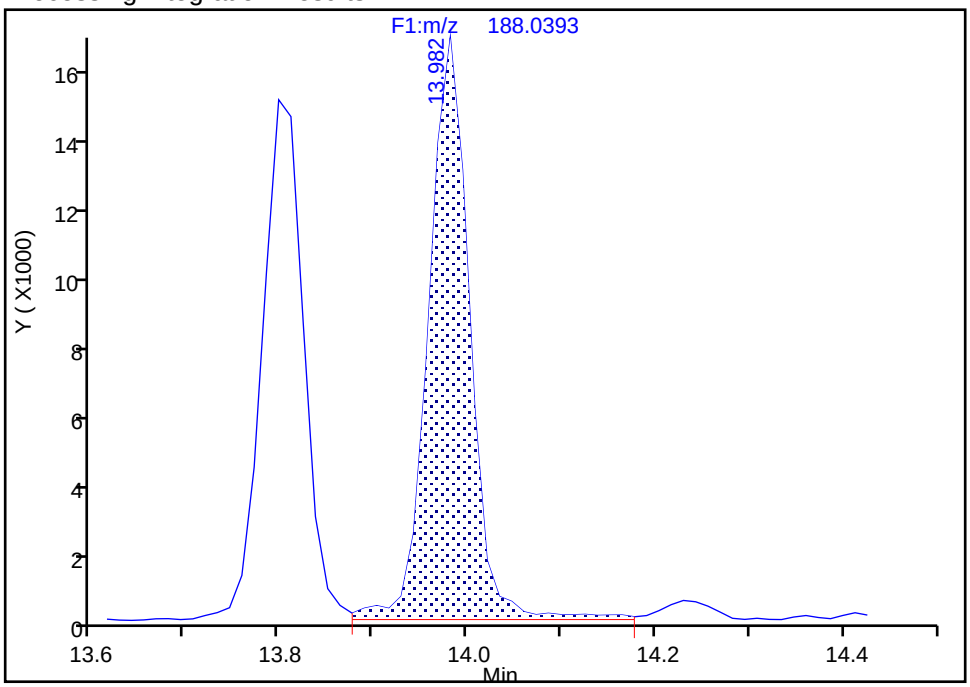
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-3, CAS: 2051-62-9

Signal: 1

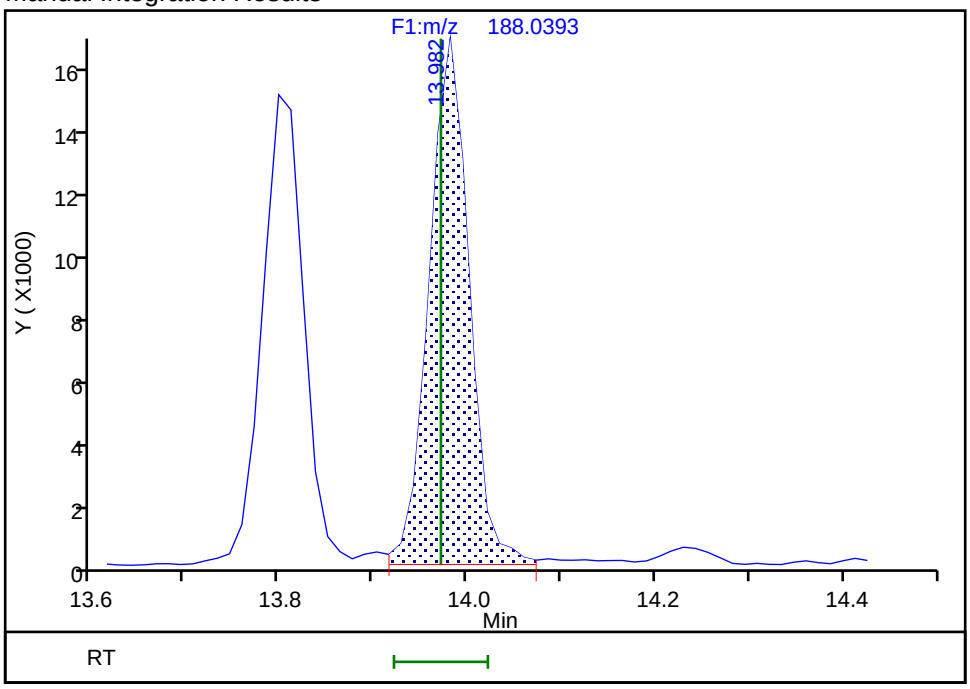
Processing Integration Results

RT: 13.98
Area: 50513
Amount: 1.039671
Amount Units: pg/ul




Manual Integration Results

RT: 13.98
Area: 48910
Amount: 1.036758
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:04:30
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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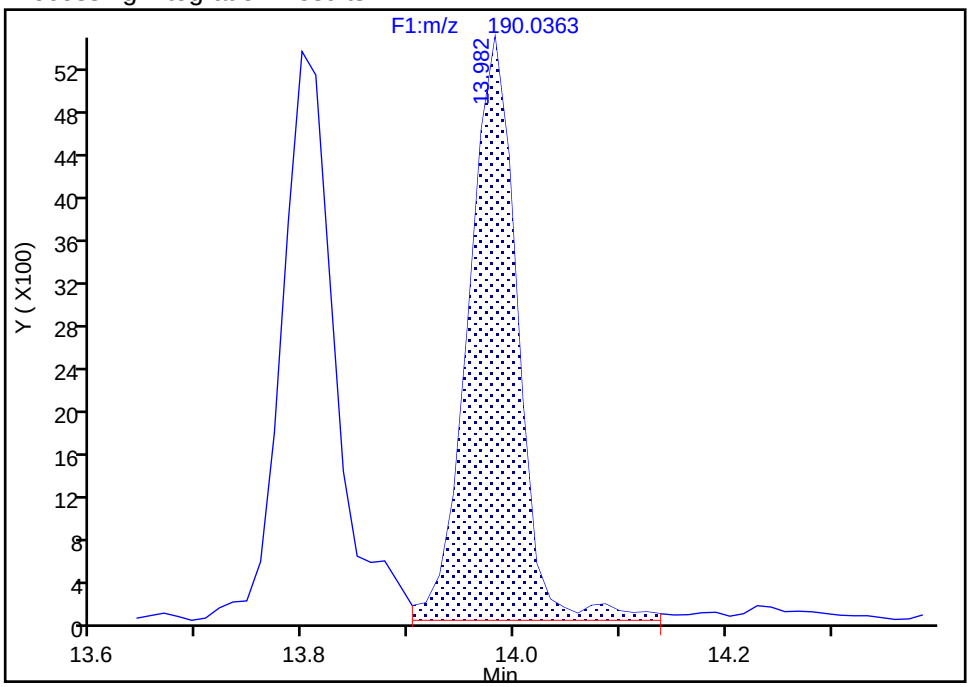
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-3, CAS: 2051-62-9

Signal: 2

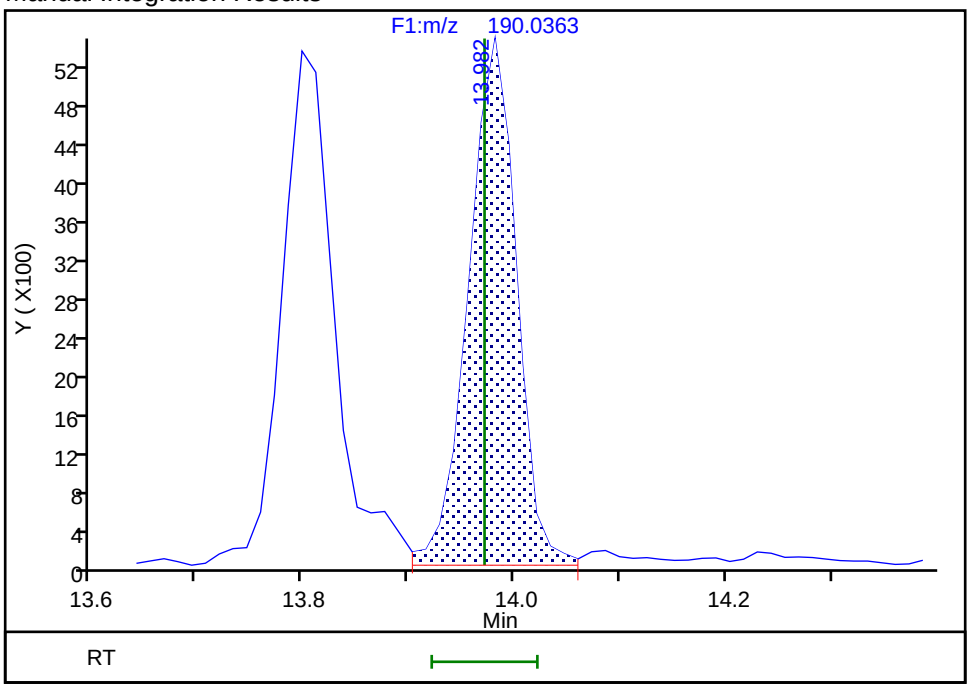
Processing Integration Results

RT: 13.98
Area: 17383
Amount: 1.039671
Amount Units: pg/ul




Manual Integration Results

RT: 13.98
Area: 16927
Amount: 1.036758
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:04:32
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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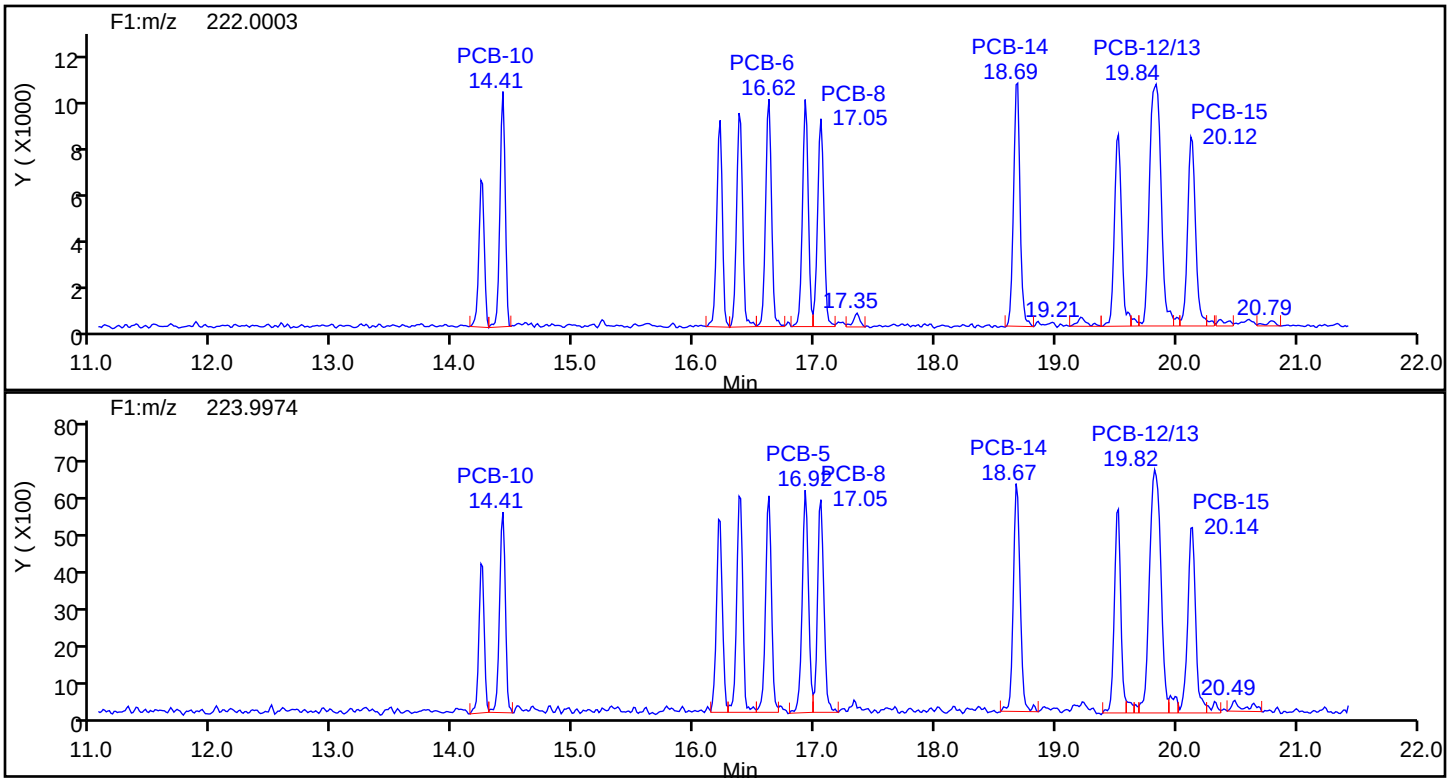
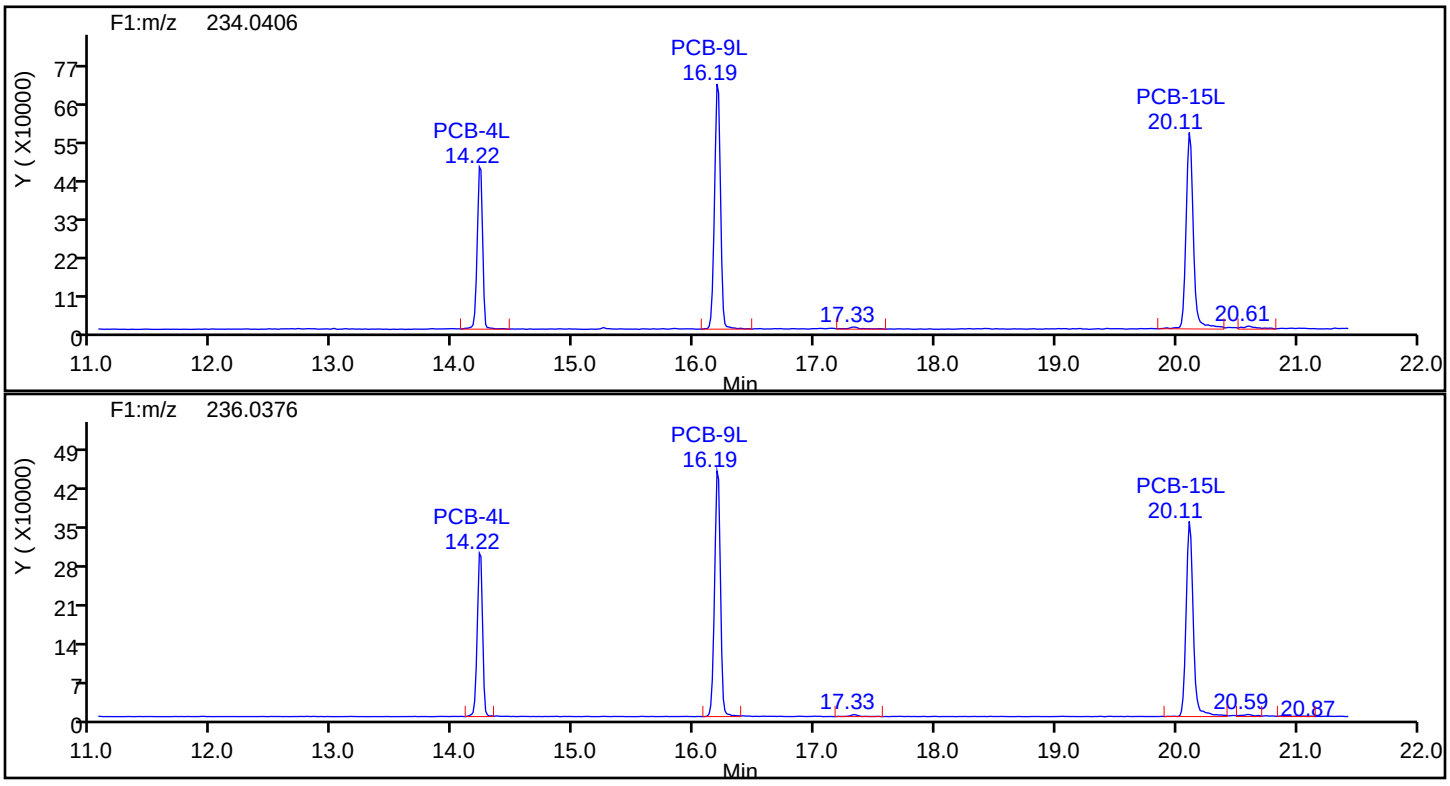
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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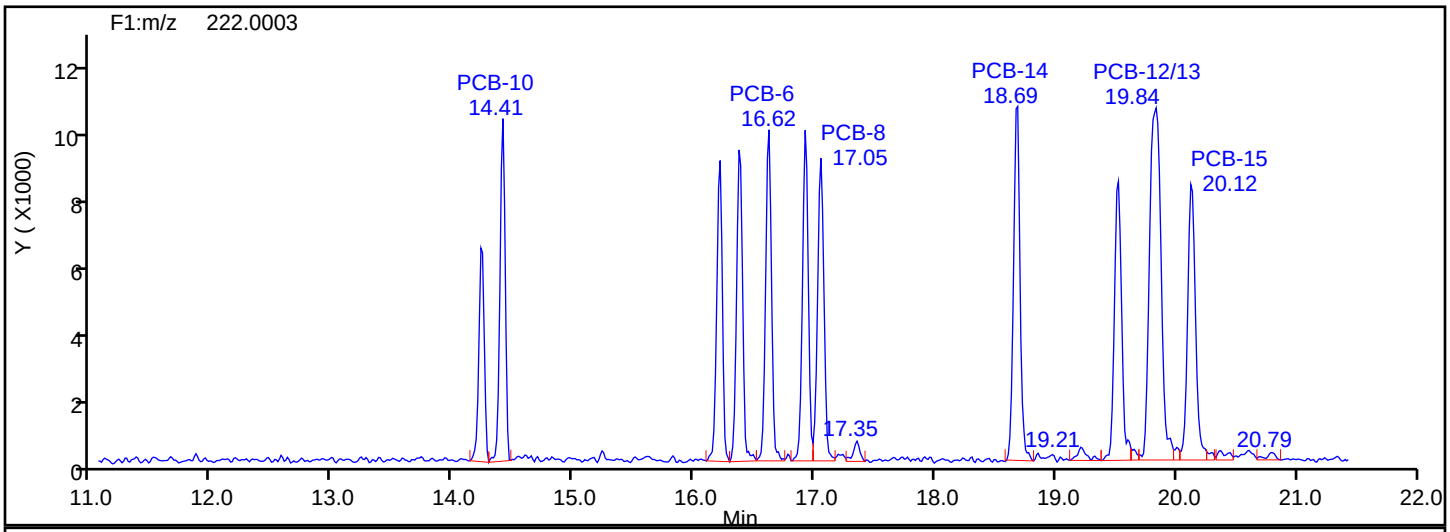
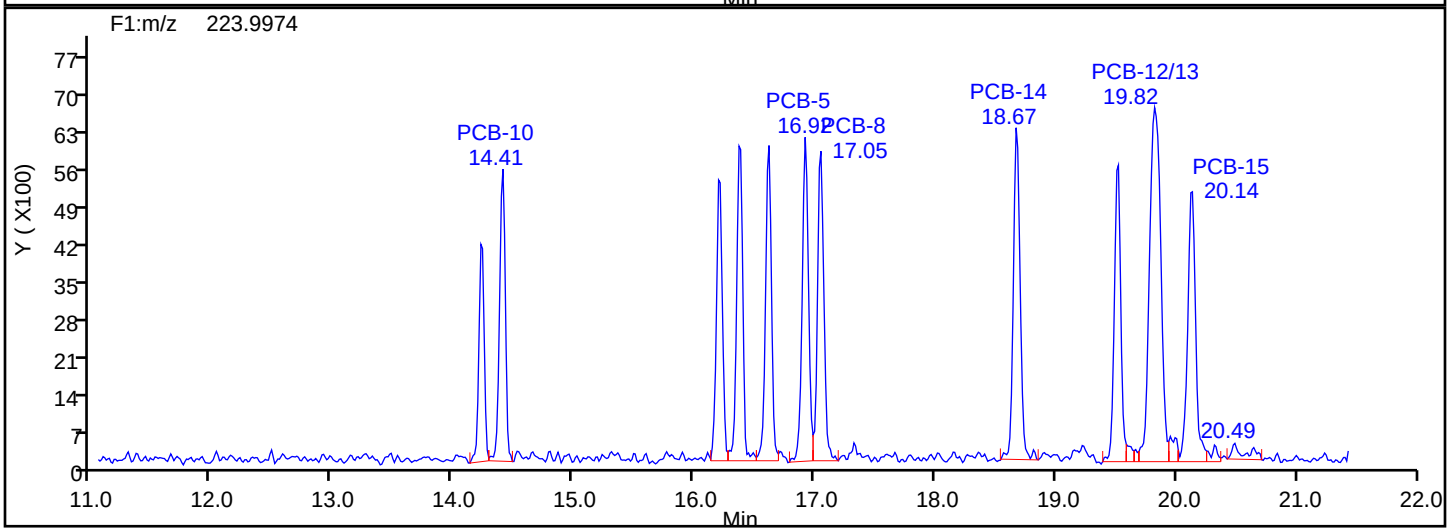
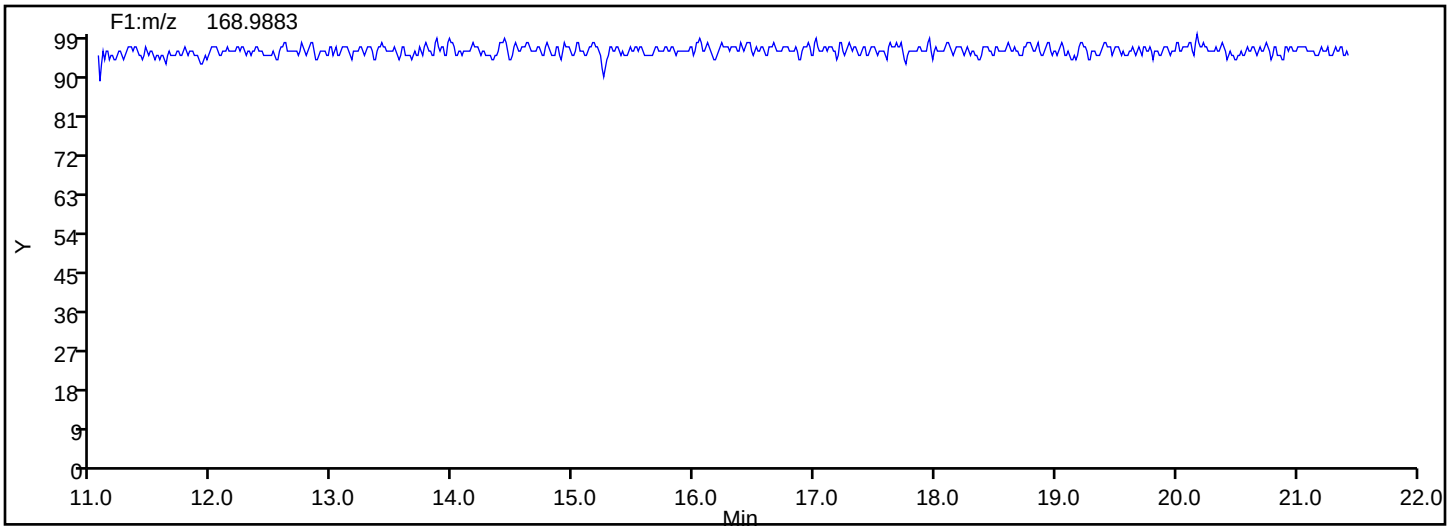
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

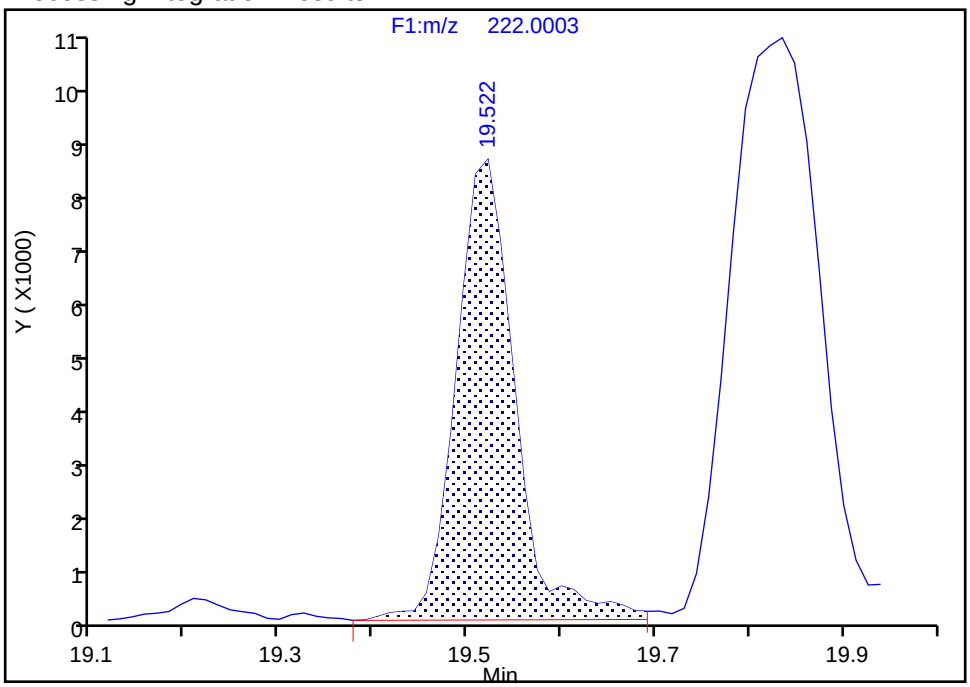
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-11, CAS: 2050-67-1

Signal: 1

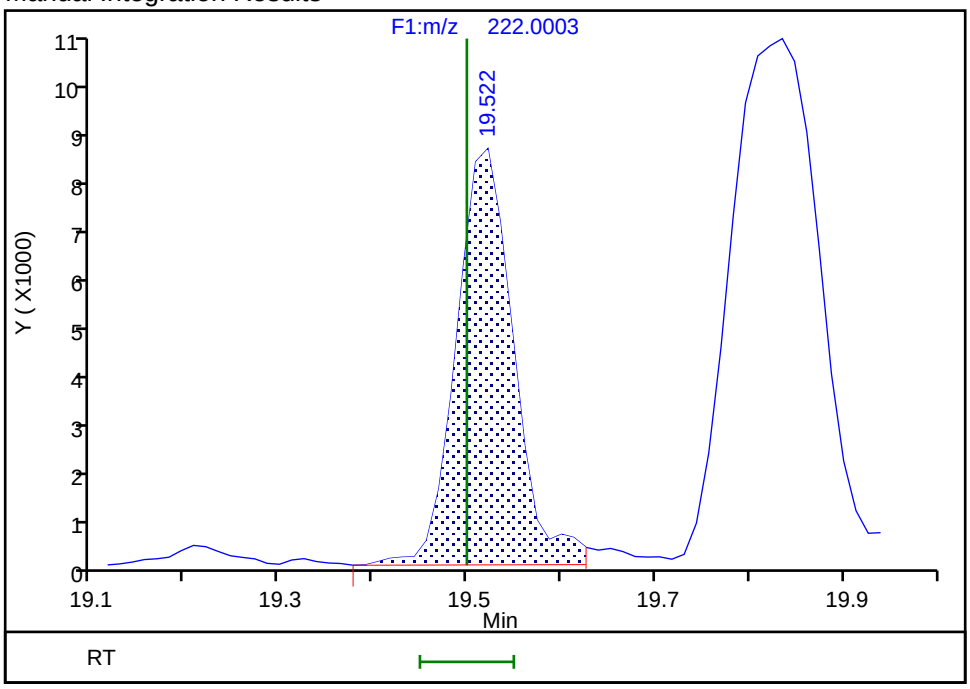
Processing Integration Results

RT: 19.52
Area: 34481
Amount: 1.099599
Amount Units: pg/ul




Manual Integration Results

RT: 19.52
Area: 33538
Amount: 1.054500
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:05:08
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

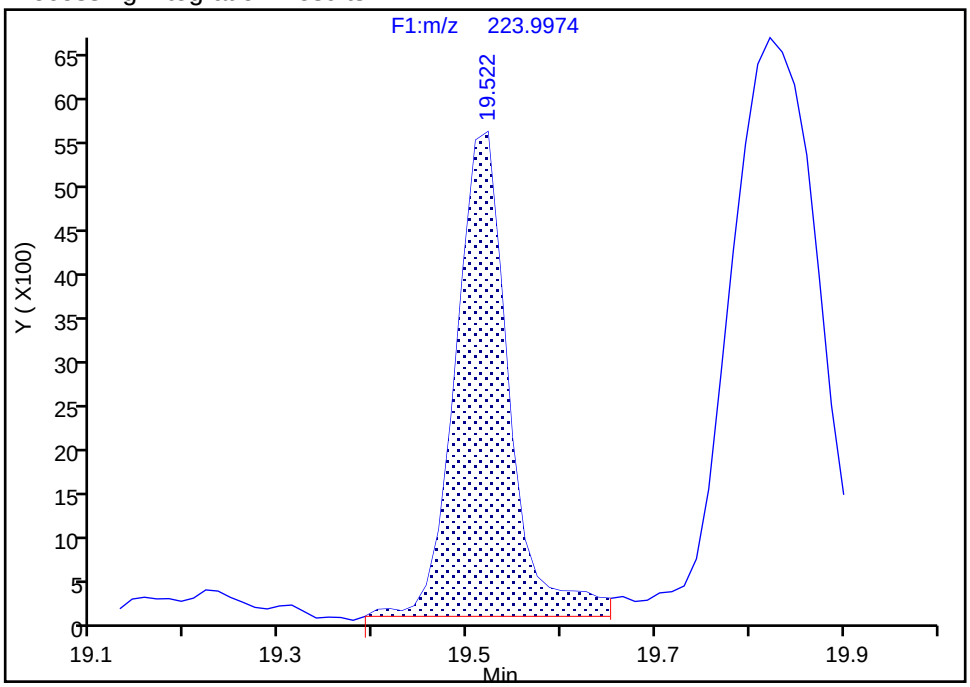
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

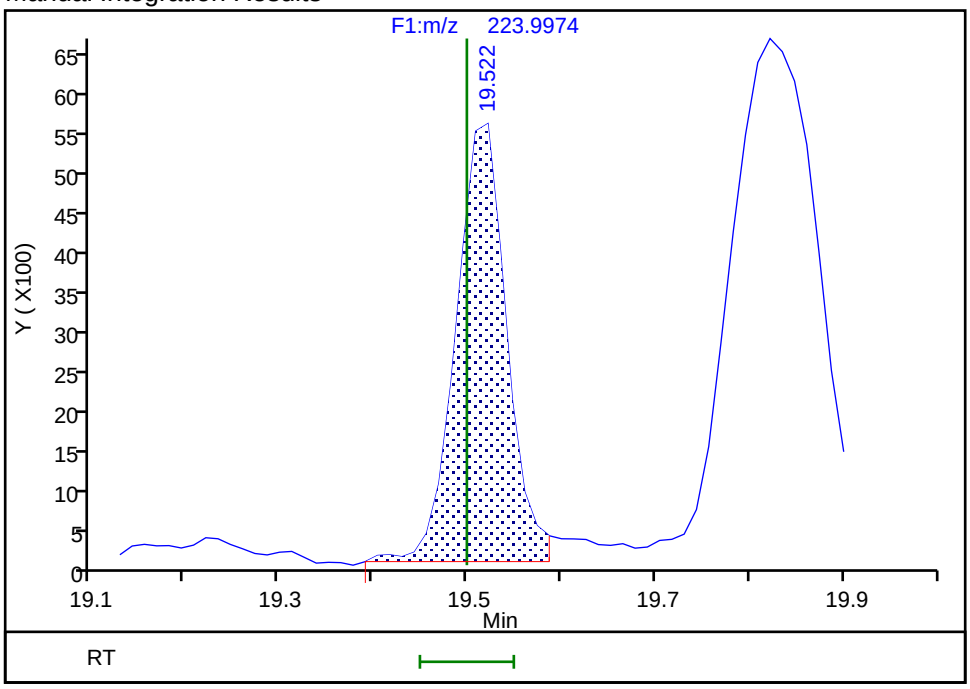
Processing Integration Results

RT: 19.52
Area: 21649
Amount: 1.099599
Amount Units: pg/ul




Manual Integration Results

RT: 19.52
Area: 20608
Amount: 1.054500
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:05:11
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

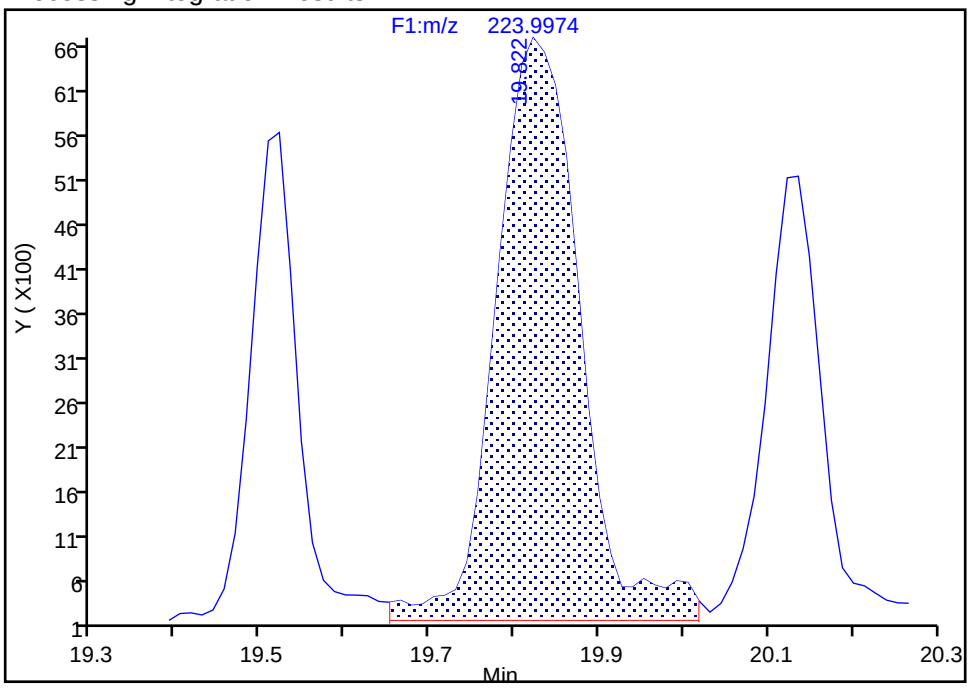
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 2

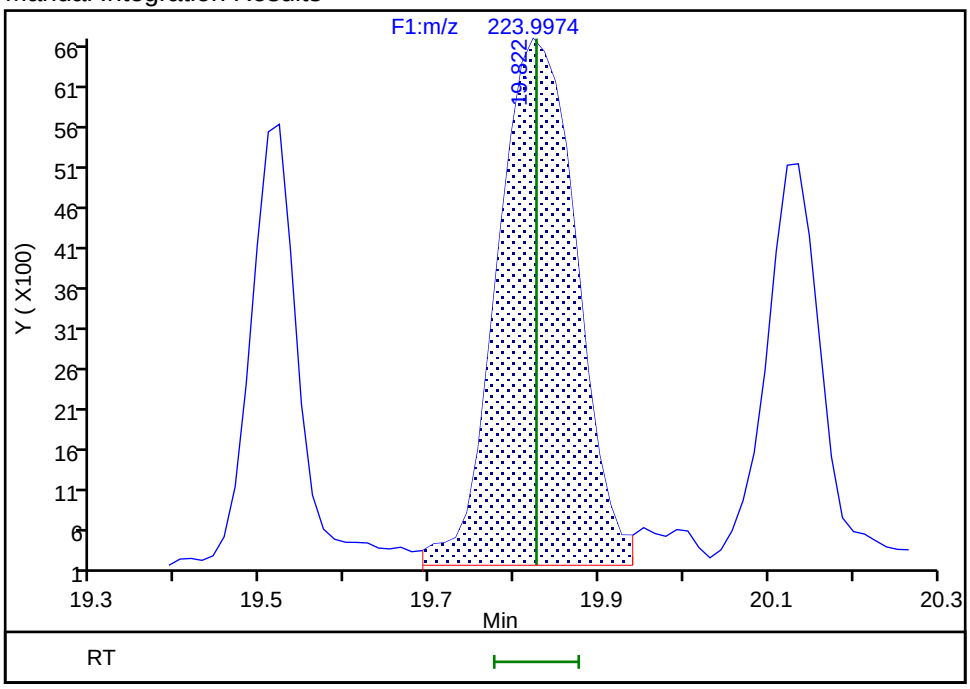
Processing Integration Results

RT: 19.82
Area: 45329
Amount: 2.208911
Amount Units: pg/ul




Manual Integration Results

RT: 19.82
Area: 42991
Amount: 2.132834
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:05:21

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

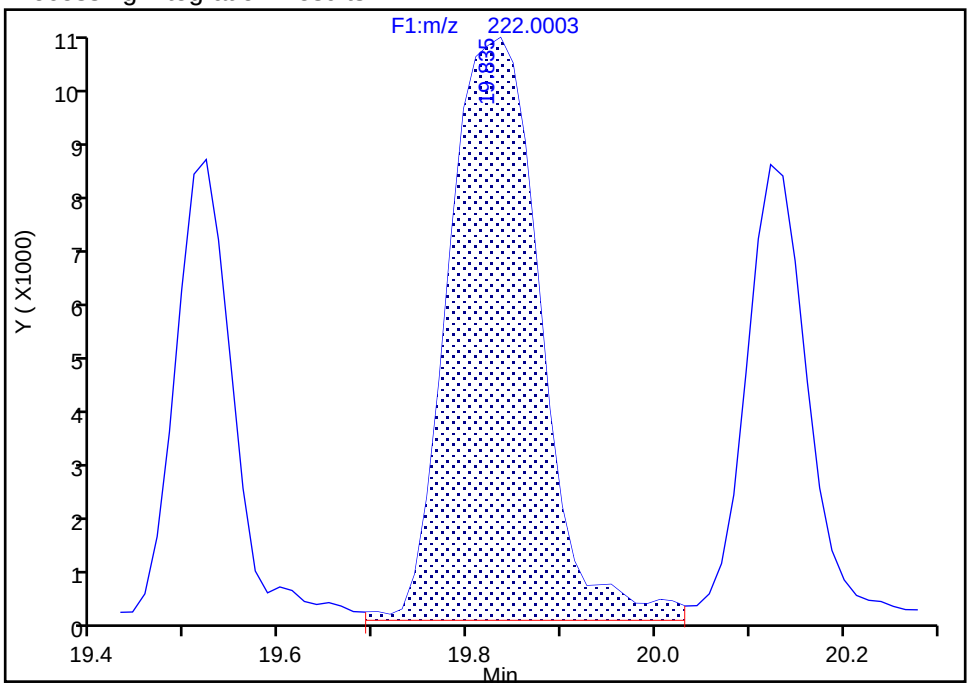
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-12/13, CAS: STL01797

Signal: 1

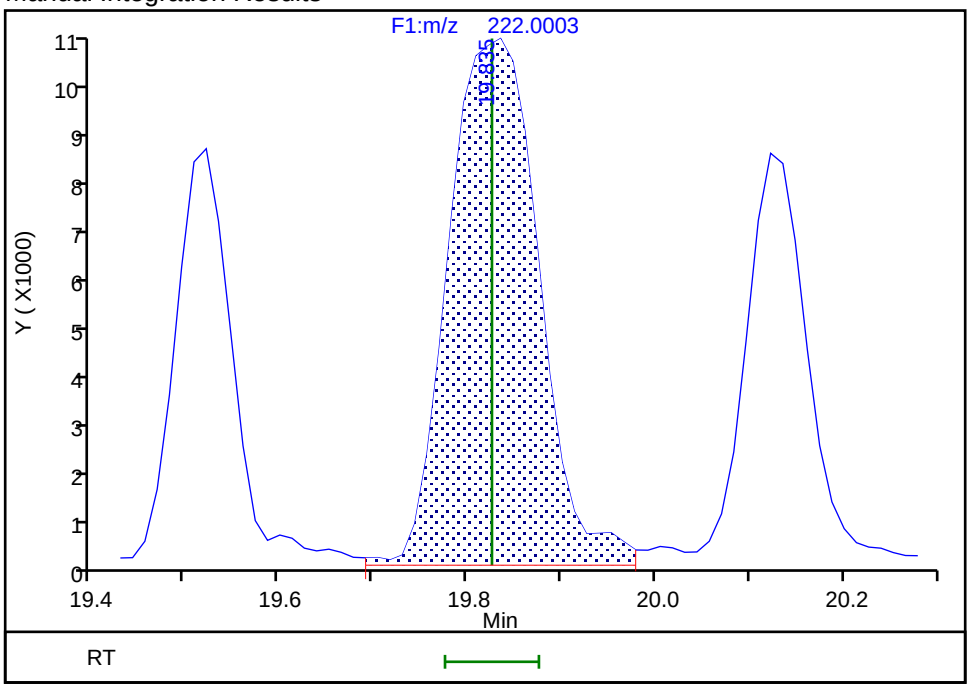
Processing Integration Results

RT: 19.84
Area: 67922
Amount: 2.208911
Amount Units: pg/ul




Manual Integration Results

RT: 19.84
Area: 66952
Amount: 2.132834
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:05:24

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

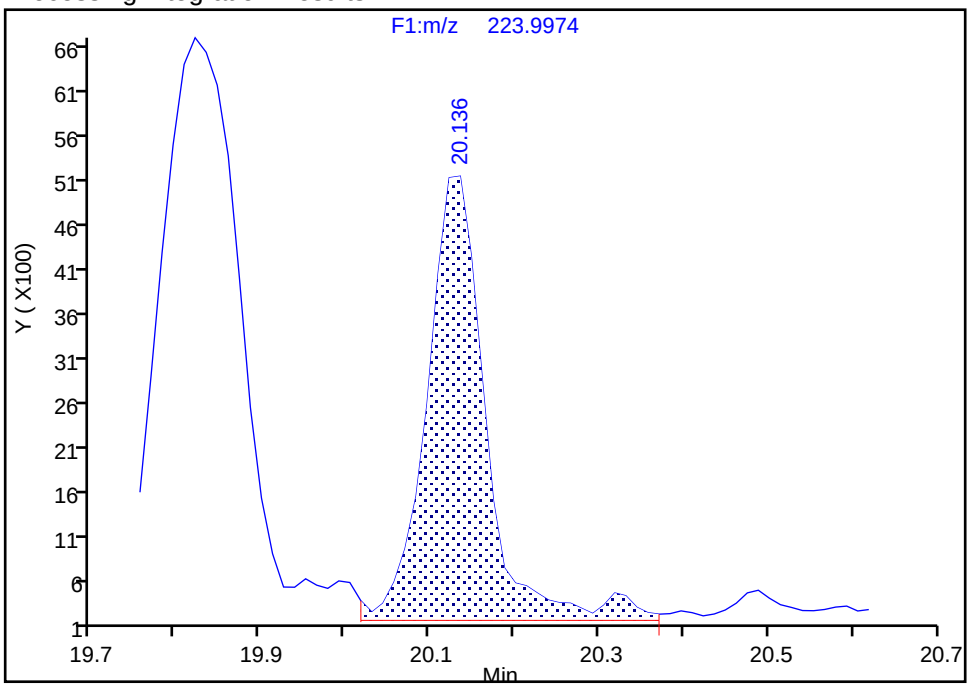
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 2

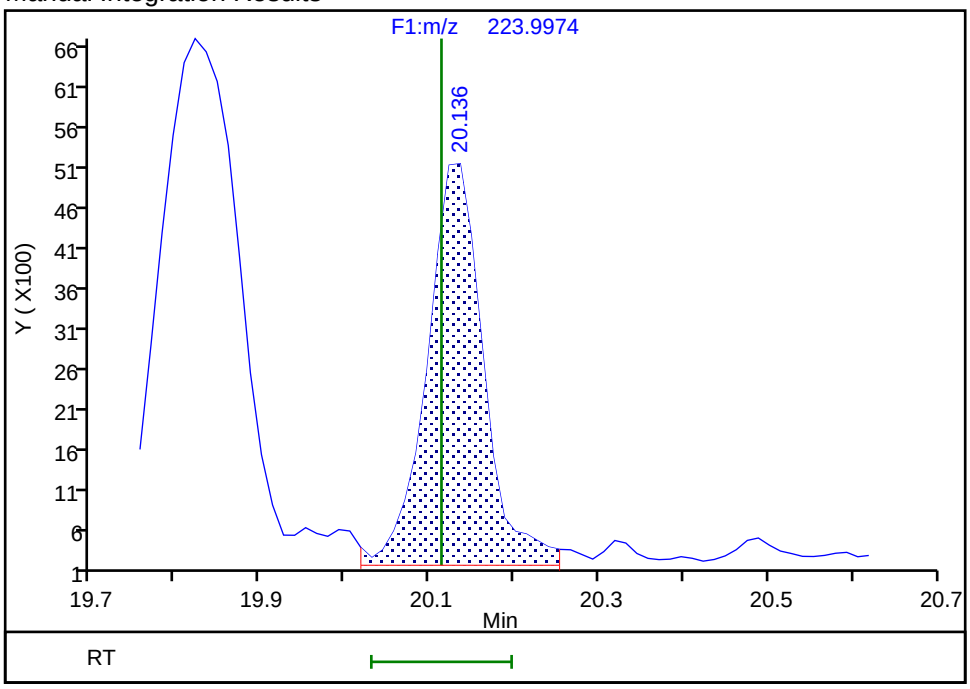
Processing Integration Results

RT: 20.14
Area: 24412
Amount: 1.122796
Amount Units: pg/ul




Manual Integration Results

RT: 20.14
Area: 23215
Amount: 1.085084
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:05:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

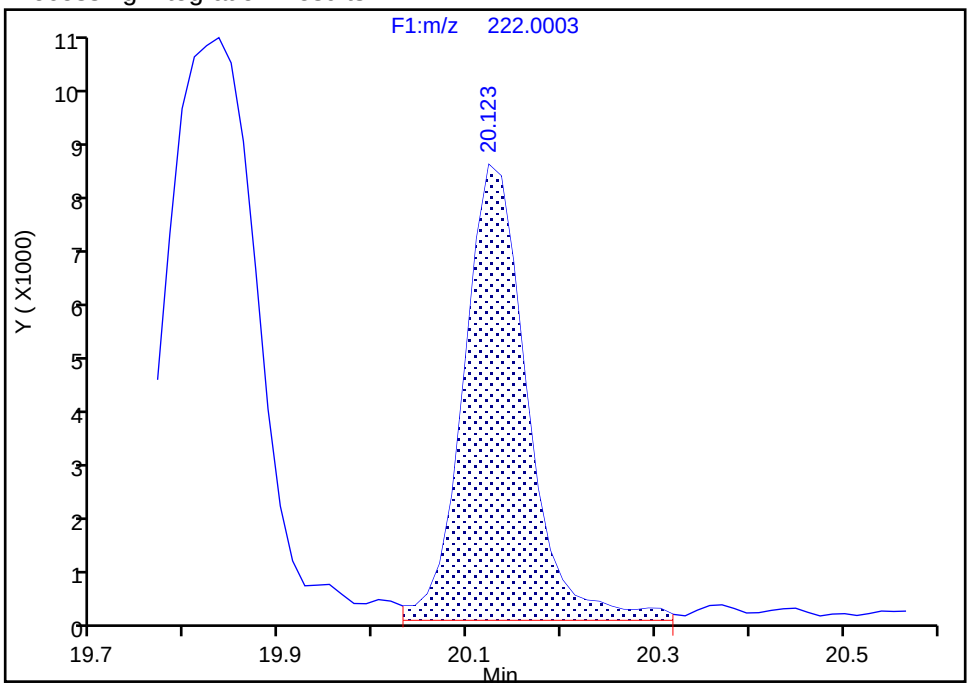
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 1

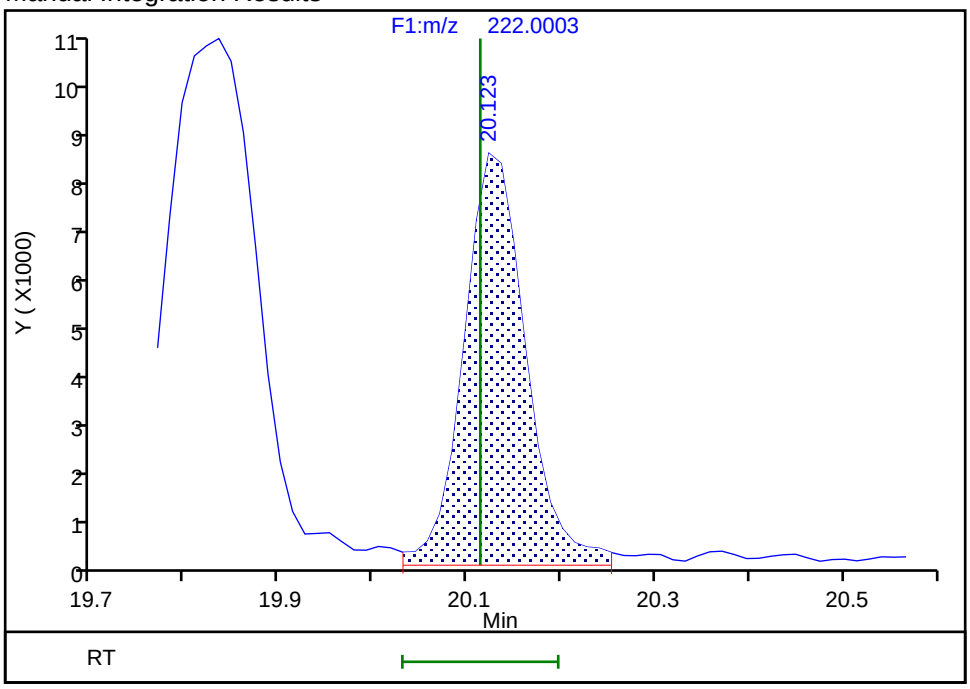
Processing Integration Results

RT: 20.12
Area: 36708
Amount: 1.122796
Amount Units: pg/ul




Manual Integration Results

RT: 20.12
Area: 35968
Amount: 1.085084
Amount Units: pg/ul

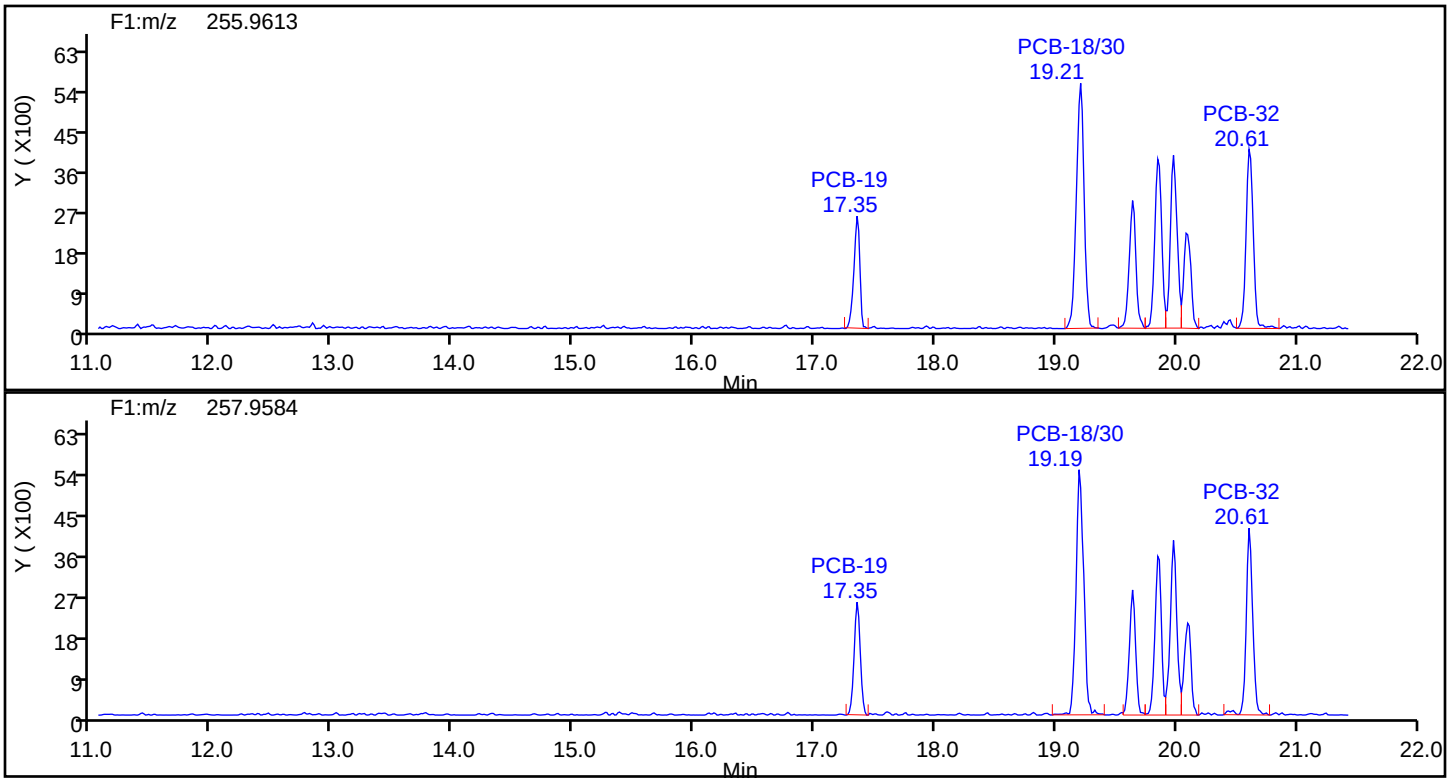



Reviewer: davidsonm, 21-Aug-2019 16:05:36
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

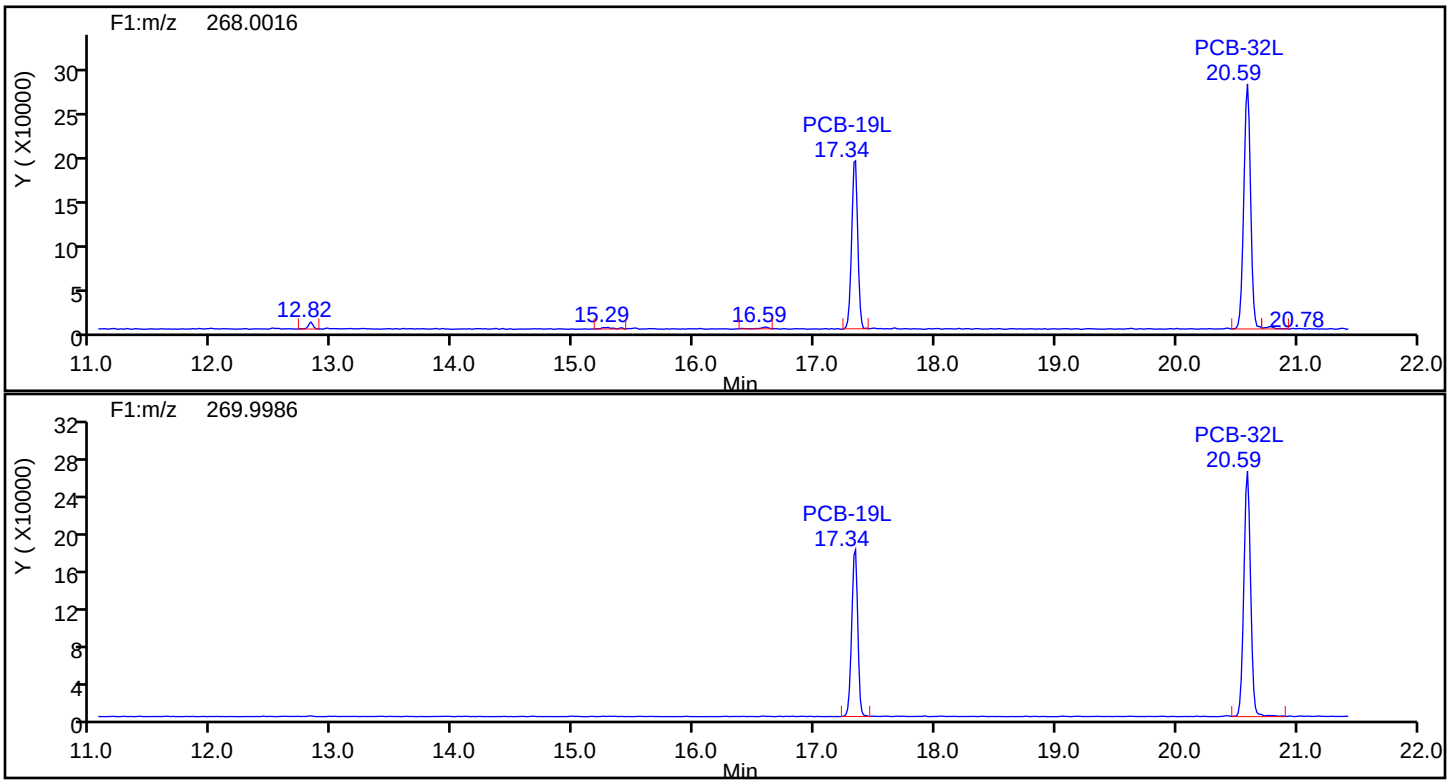
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



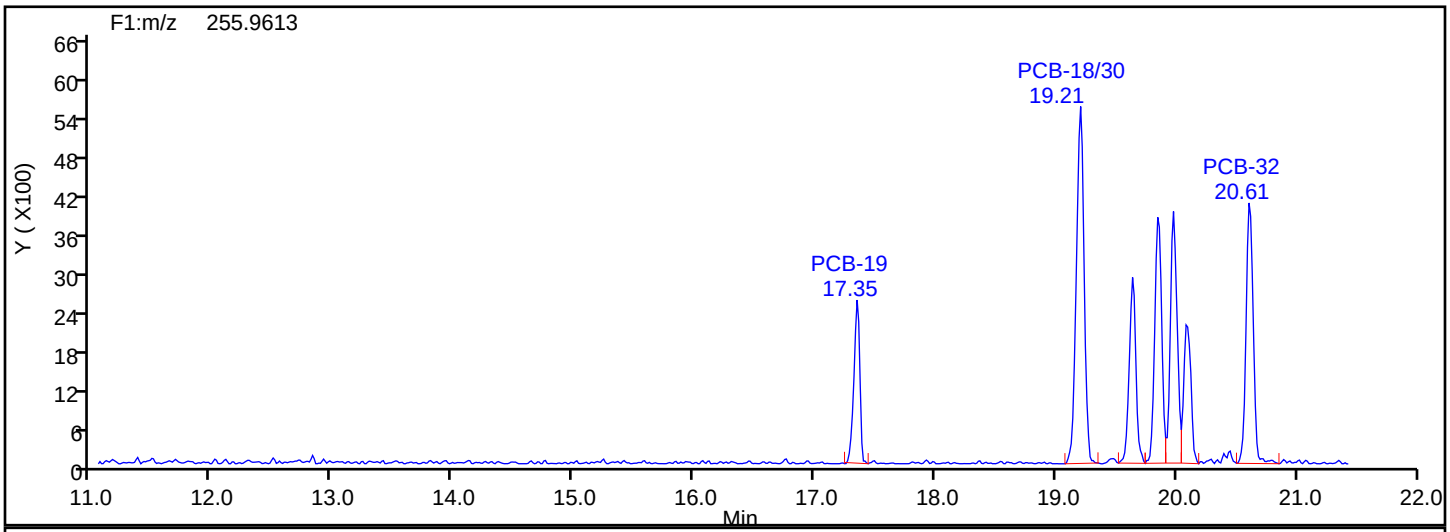

TriPCB F1 Standards

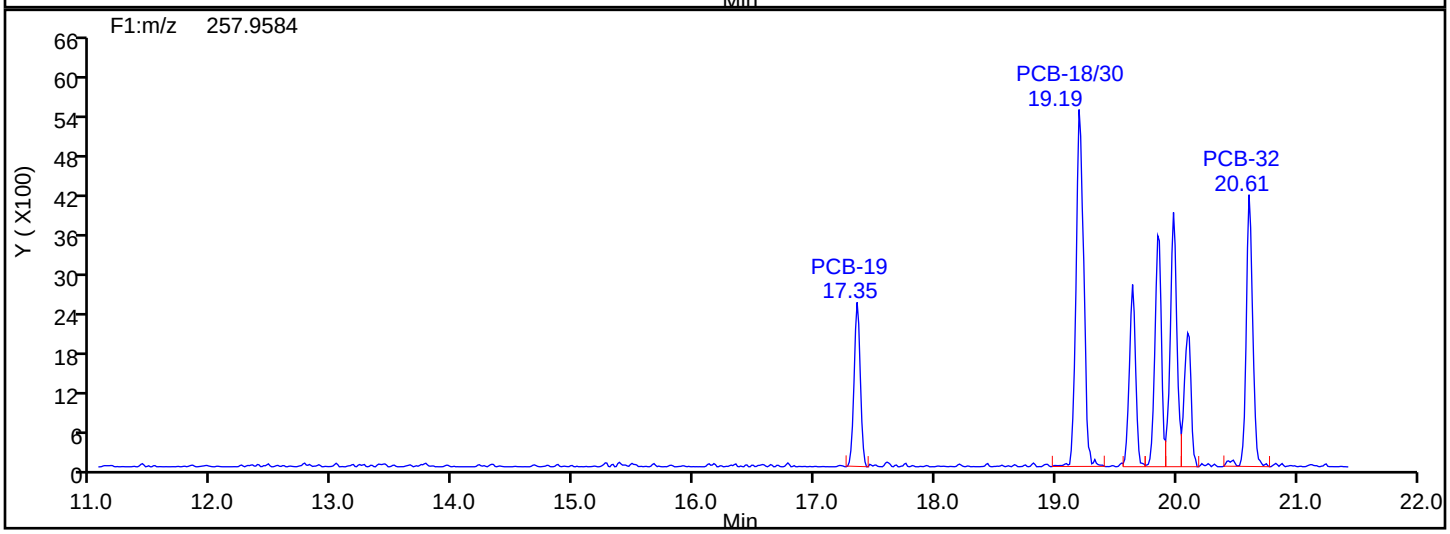


Eurofins TestAmerica, Knoxville

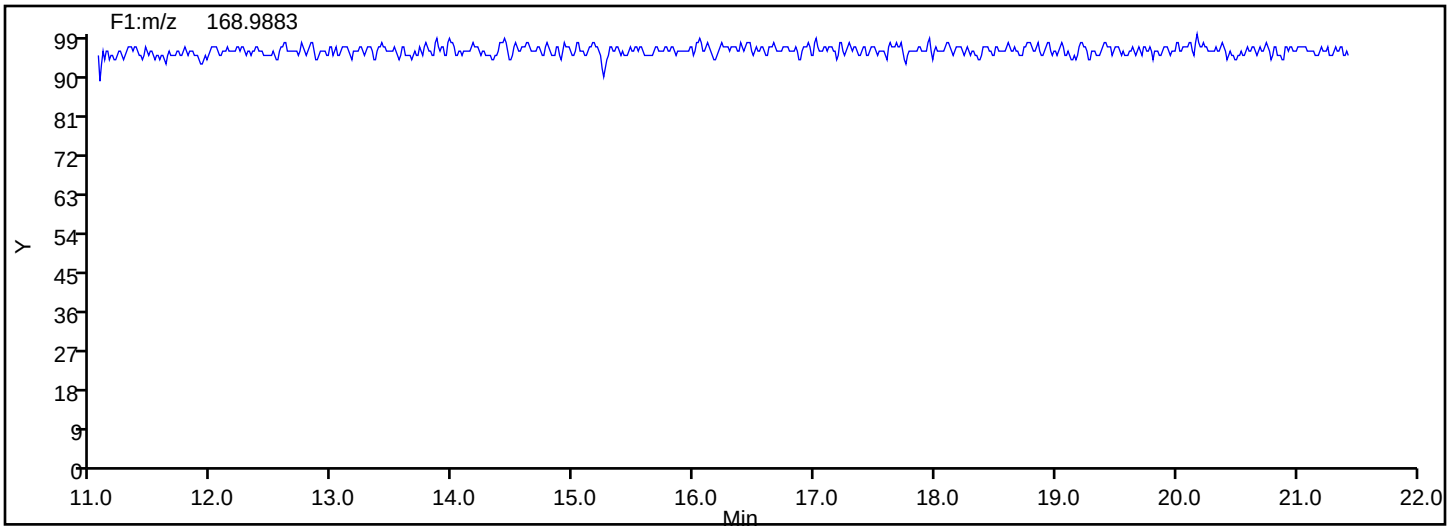
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



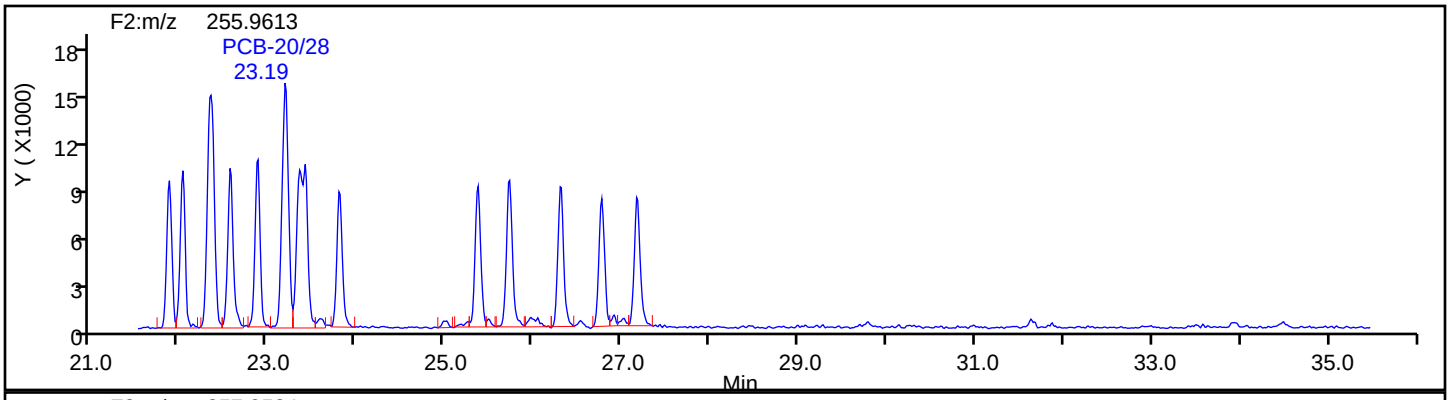

TriPCB F1 Lock Mass

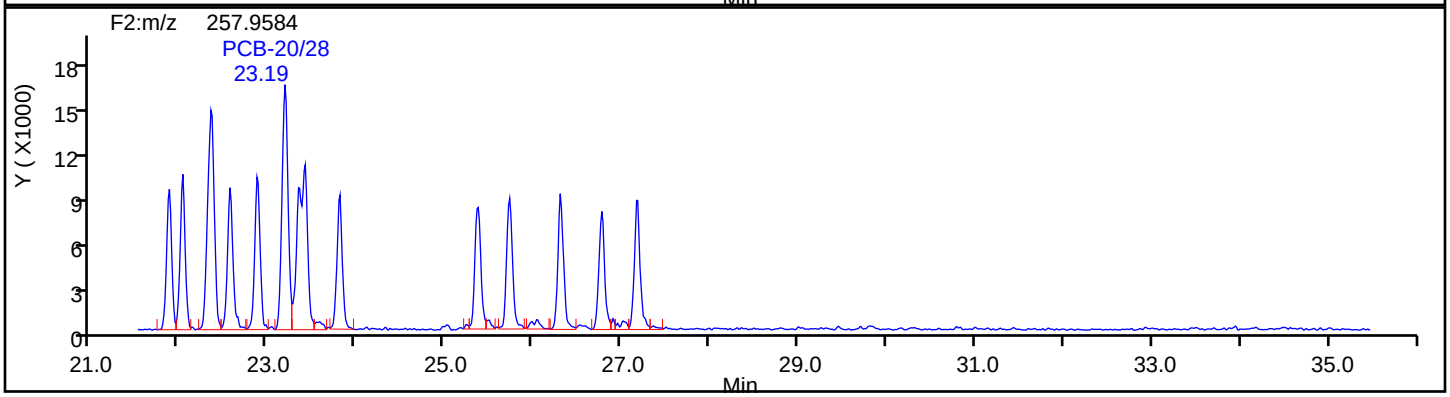


Eurofins TestAmerica, Knoxville

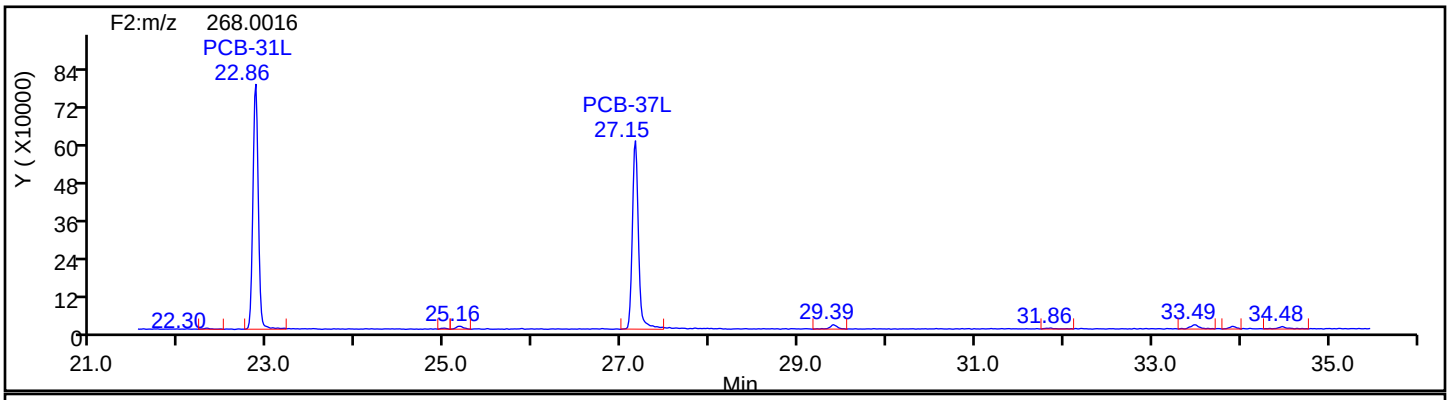
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

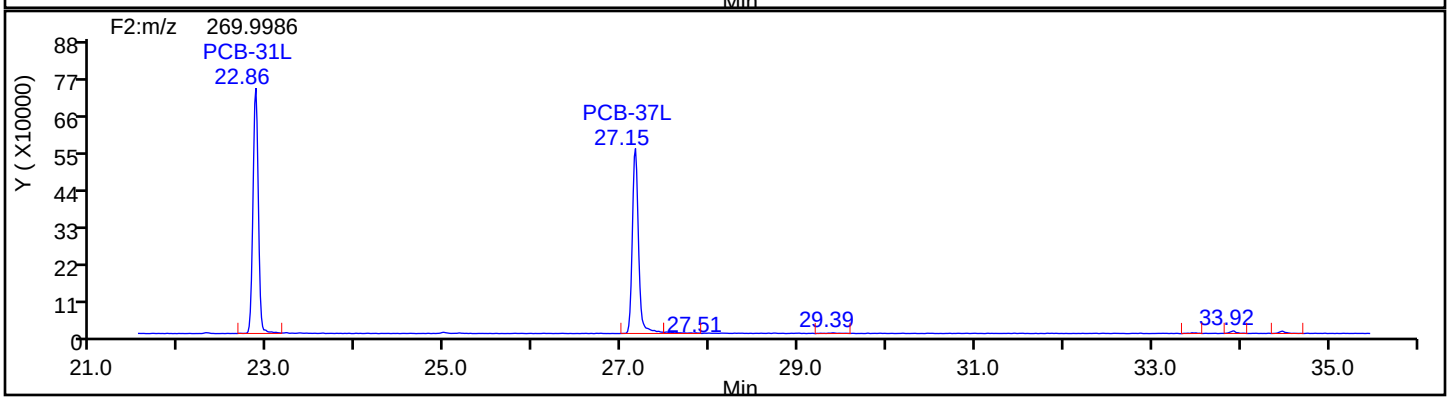
TriPCB F2




TriPCB F2 Standards

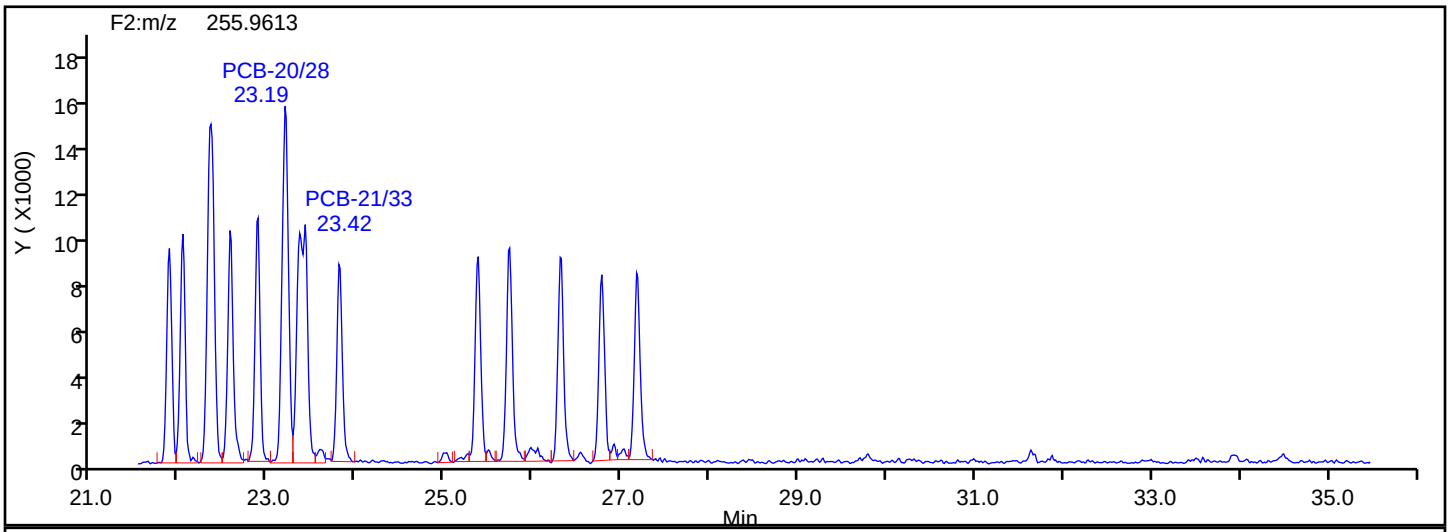


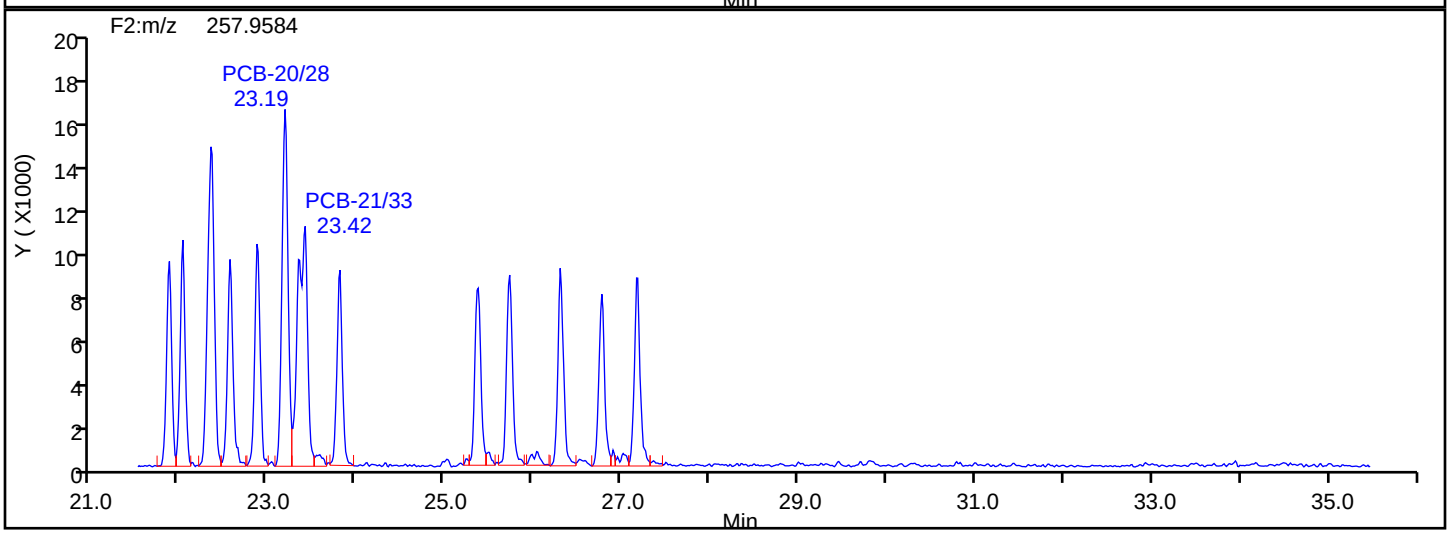



Eurofins TestAmerica, Knoxville

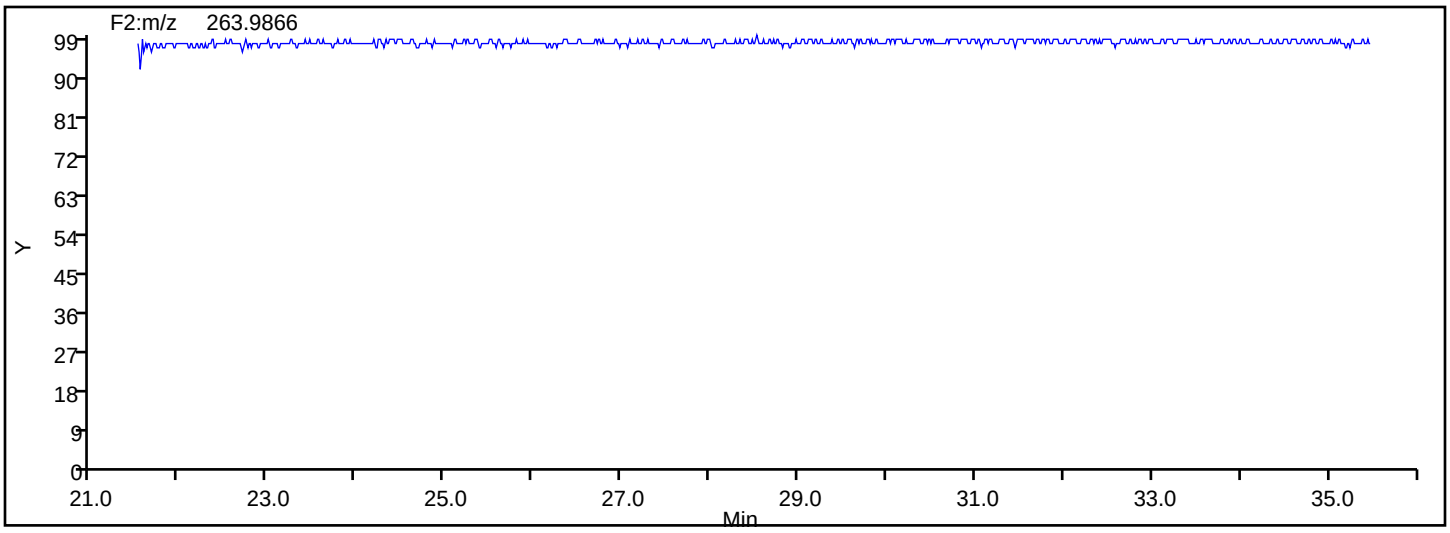
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

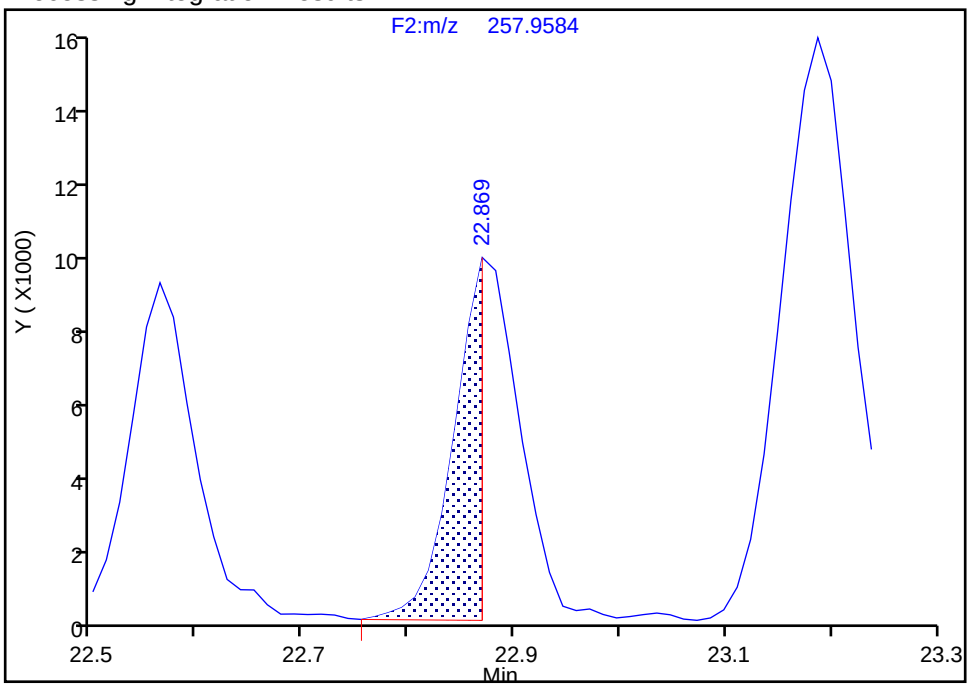
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-31, CAS: 16606-02-3

Signal: 2

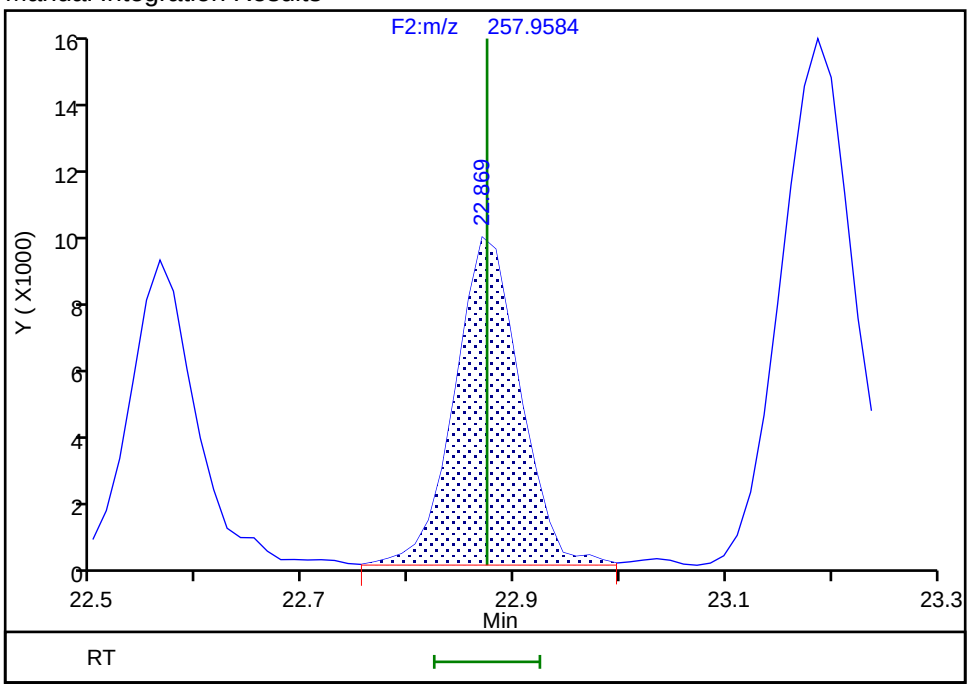
Processing Integration Results

RT: 22.87
Area: 18113
Amount: 0.788874
Amount Units: pg/ul




Manual Integration Results

RT: 22.87
Area: 42504
Amount: 1.095039
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:06:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

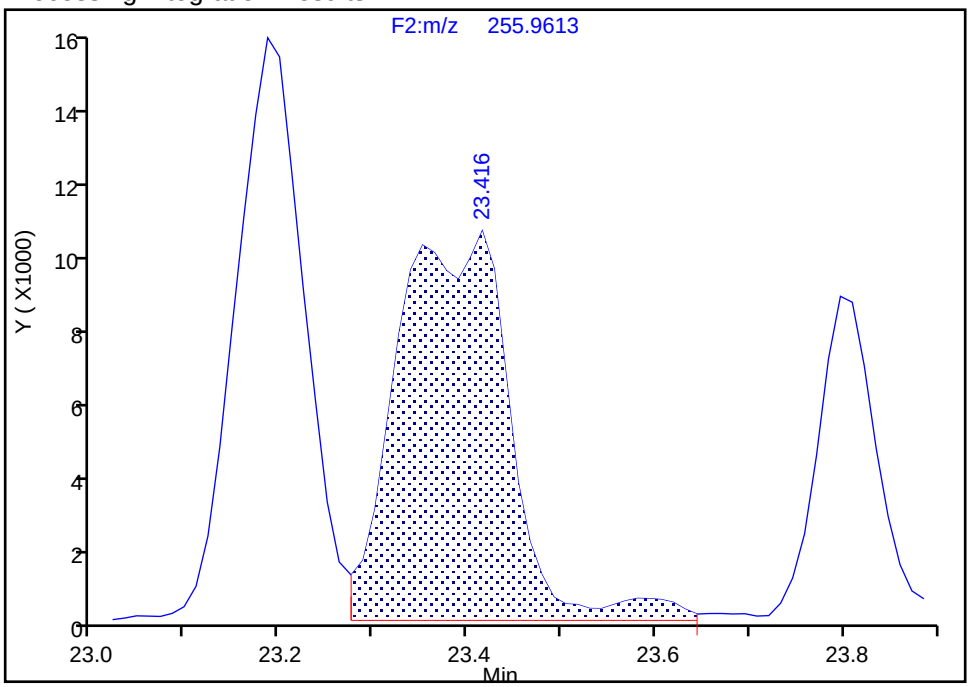
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 1

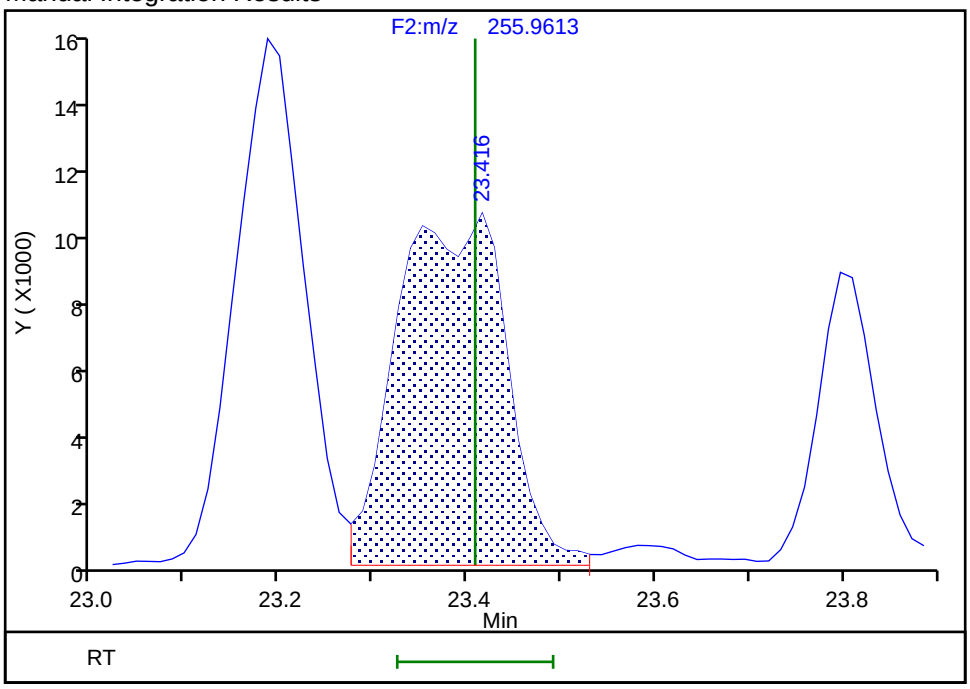
Processing Integration Results

RT: 23.42
Area: 87084
Amount: 2.123446
Amount Units: pg/ul




Manual Integration Results

RT: 23.42
Area: 84036
Amount: 2.138892
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:06:41
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

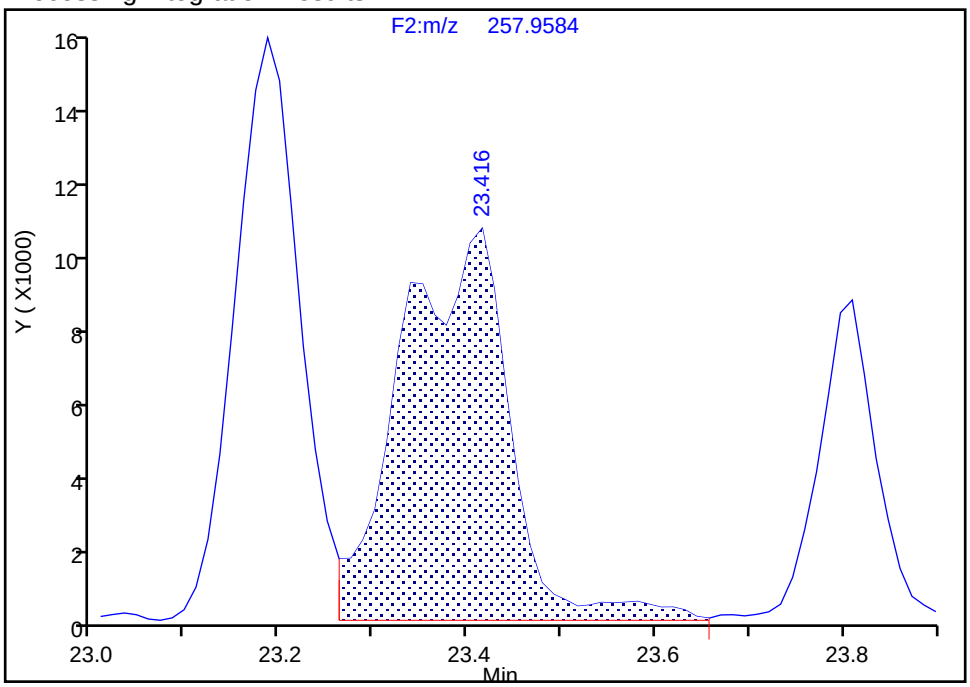
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 2

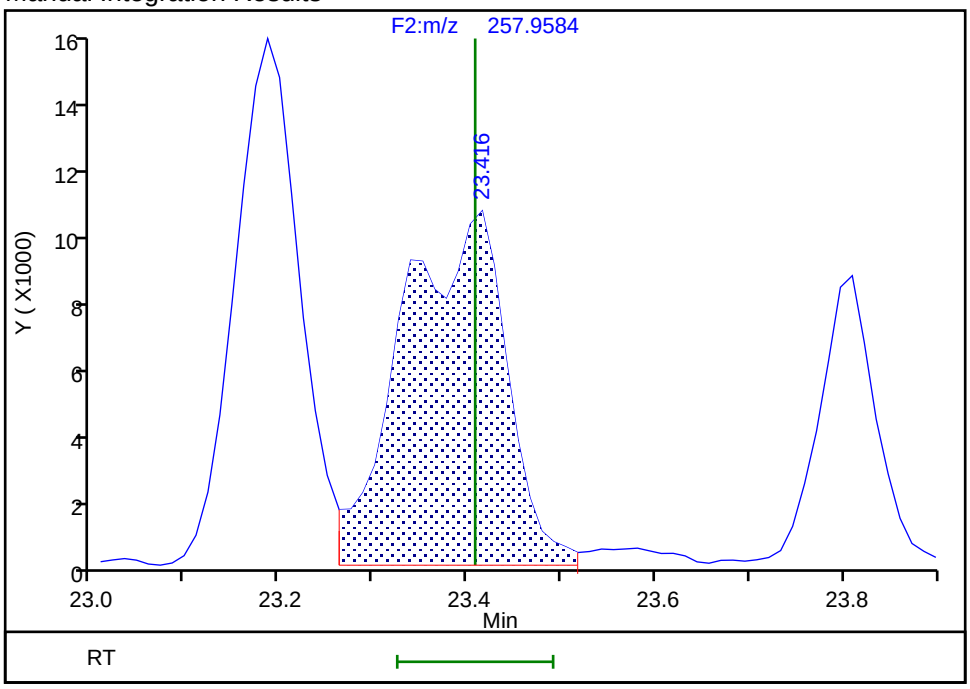
Processing Integration Results

RT: 23.42
Area: 85416
Amount: 2.123446
Amount Units: pg/ul




Manual Integration Results

RT: 23.42
Area: 82279
Amount: 2.138892
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:06:43
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

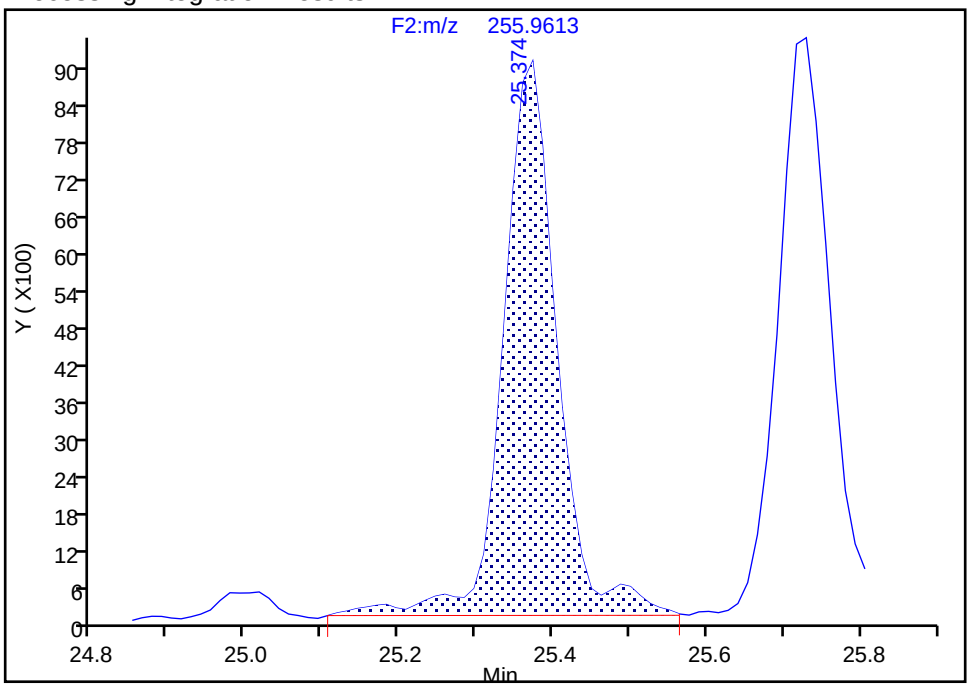
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

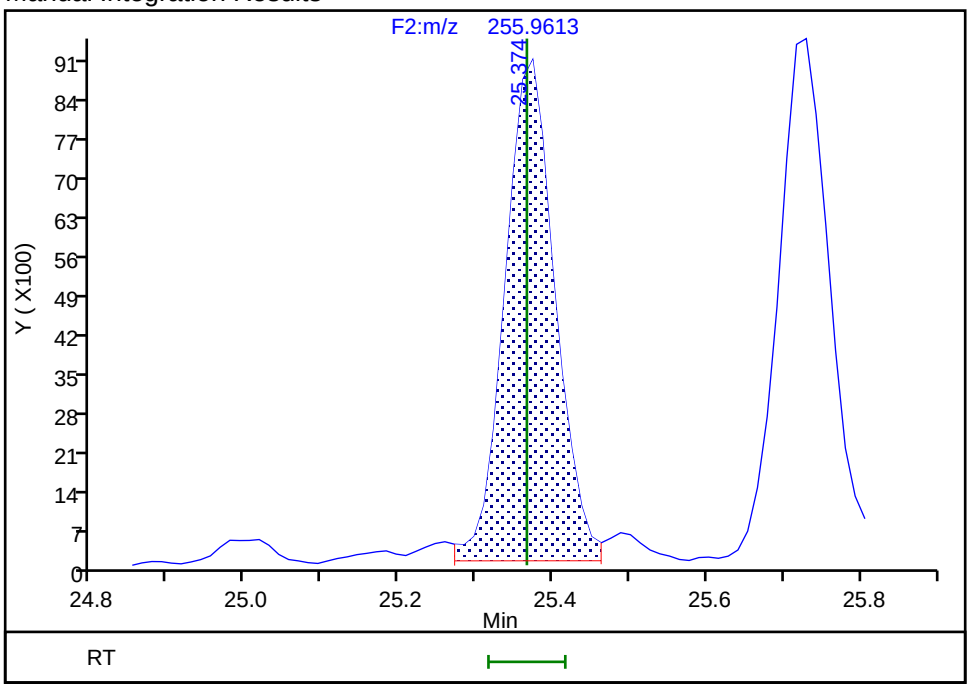
Processing Integration Results

RT: 25.37
Area: 43691
Amount: 1.031776
Amount Units: pg/ul




Manual Integration Results

RT: 25.37
Area: 40369
Amount: 1.032485
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:06:58

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

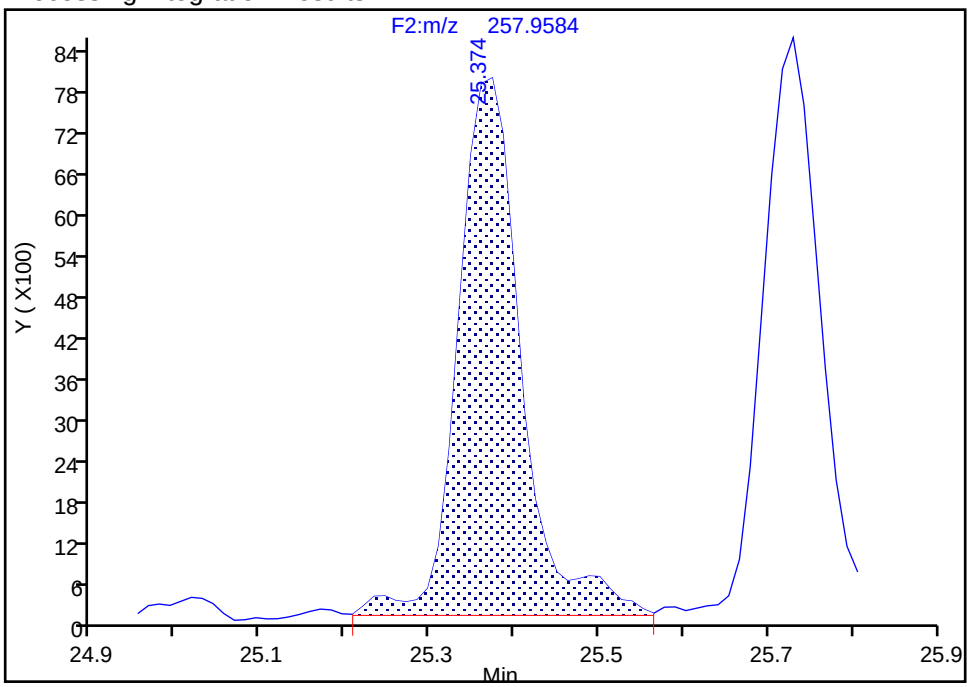
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

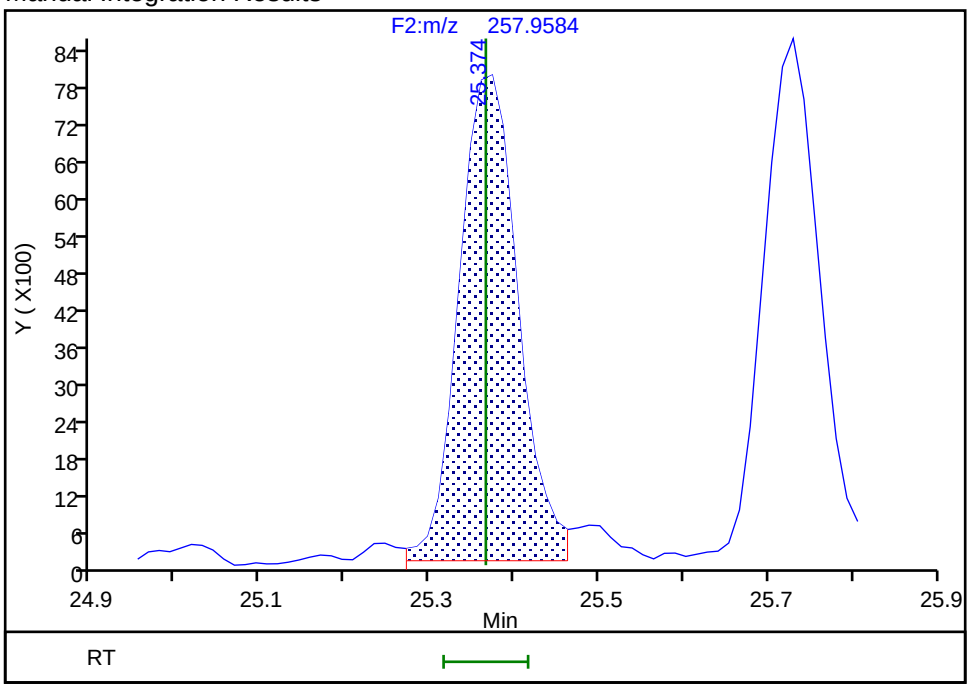
Processing Integration Results

RT: 25.37
Area: 41079
Amount: 1.031776
Amount Units: pg/ul




Manual Integration Results

RT: 25.37
Area: 38119
Amount: 1.032485
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:07:00

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

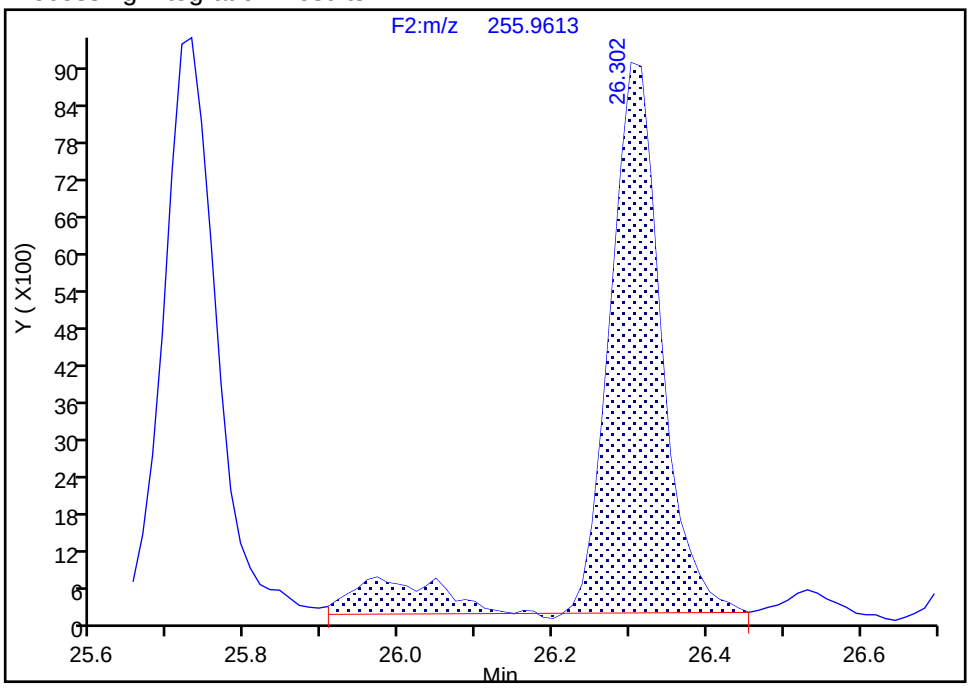
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-38, CAS: 53555-66-1

Signal: 1

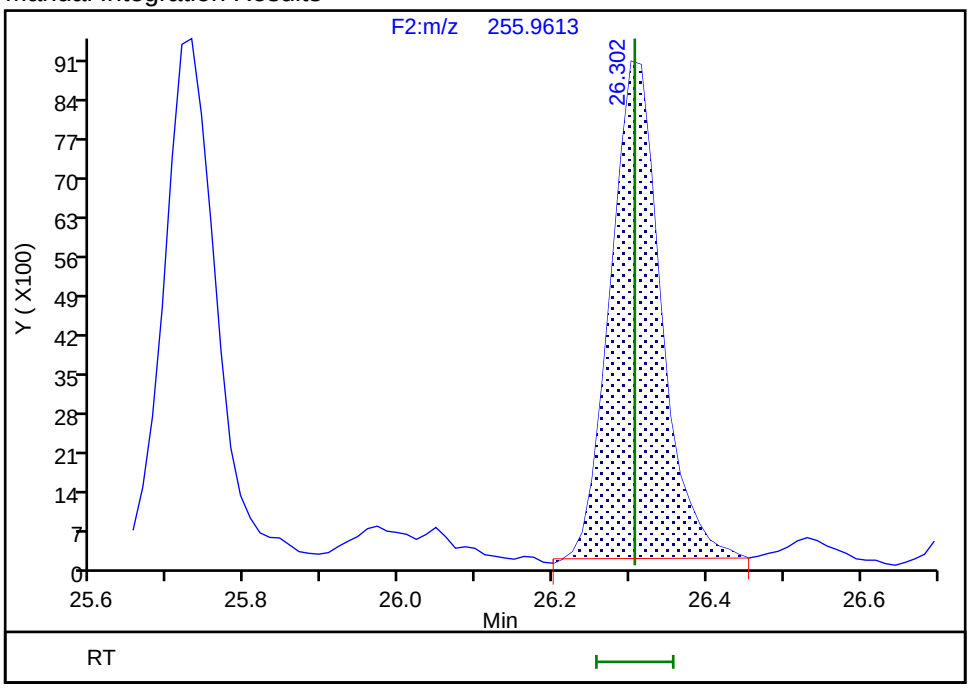
Processing Integration Results

RT: 26.30
Area: 45298
Amount: 1.084983
Amount Units: pg/ul




Manual Integration Results

RT: 26.30
Area: 40605
Amount: 1.070618
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:07:08

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

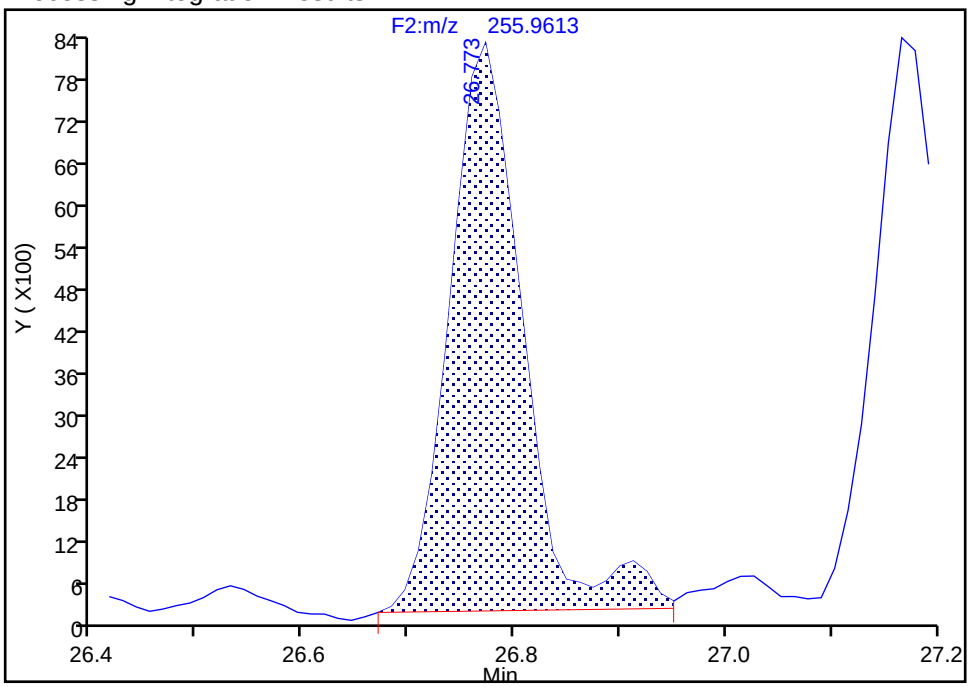
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 1

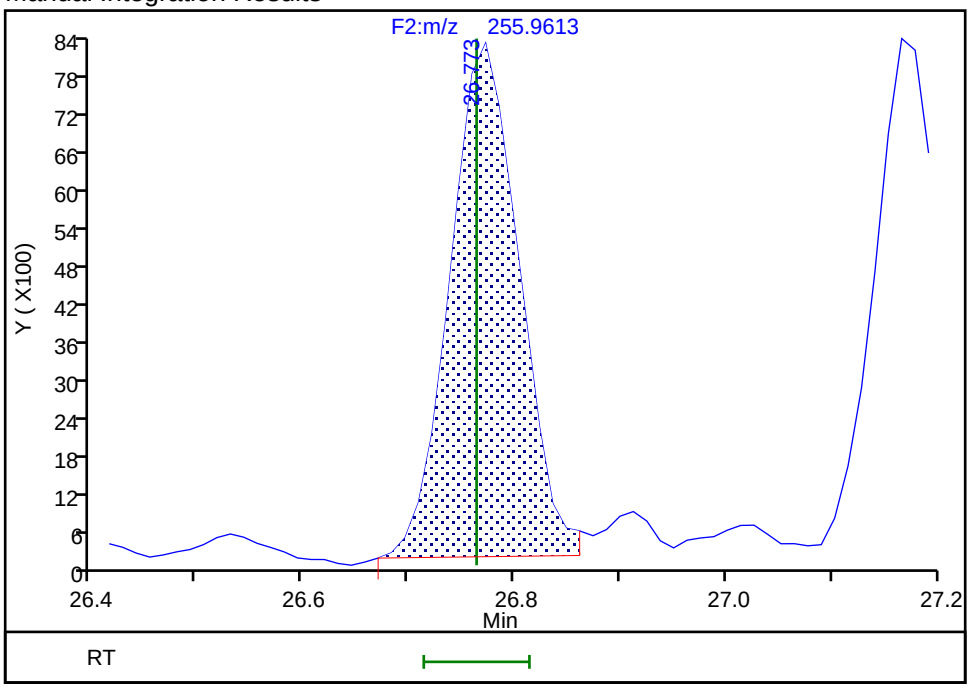
Processing Integration Results

RT: 26.77
Area: 39124
Amount: 1.024690
Amount Units: pg/ul




Manual Integration Results

RT: 26.77
Area: 36830
Amount: 1.043844
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:07:15
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

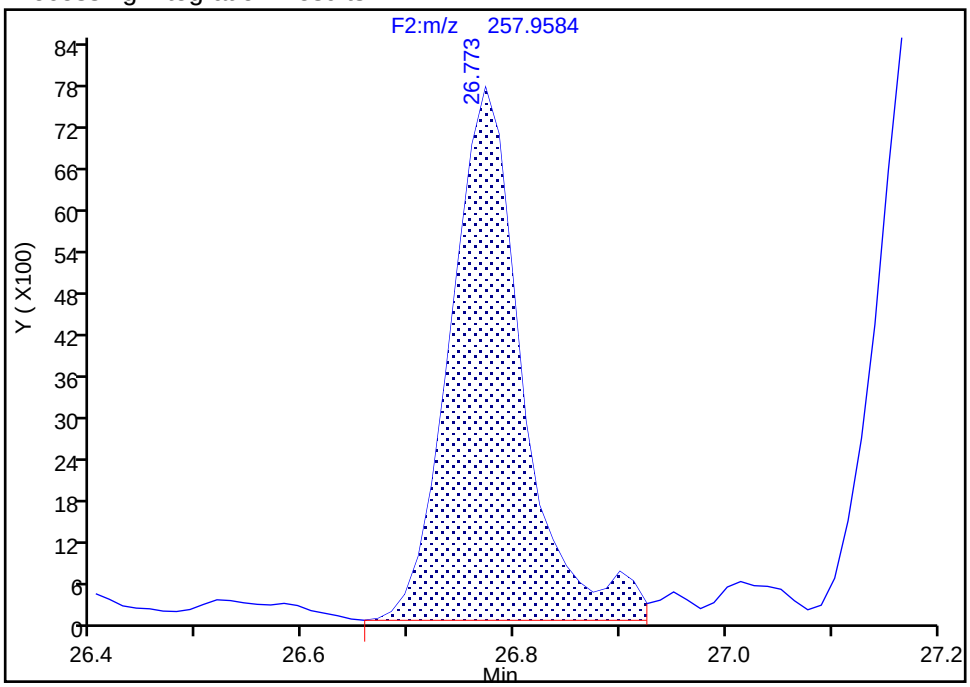
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 2

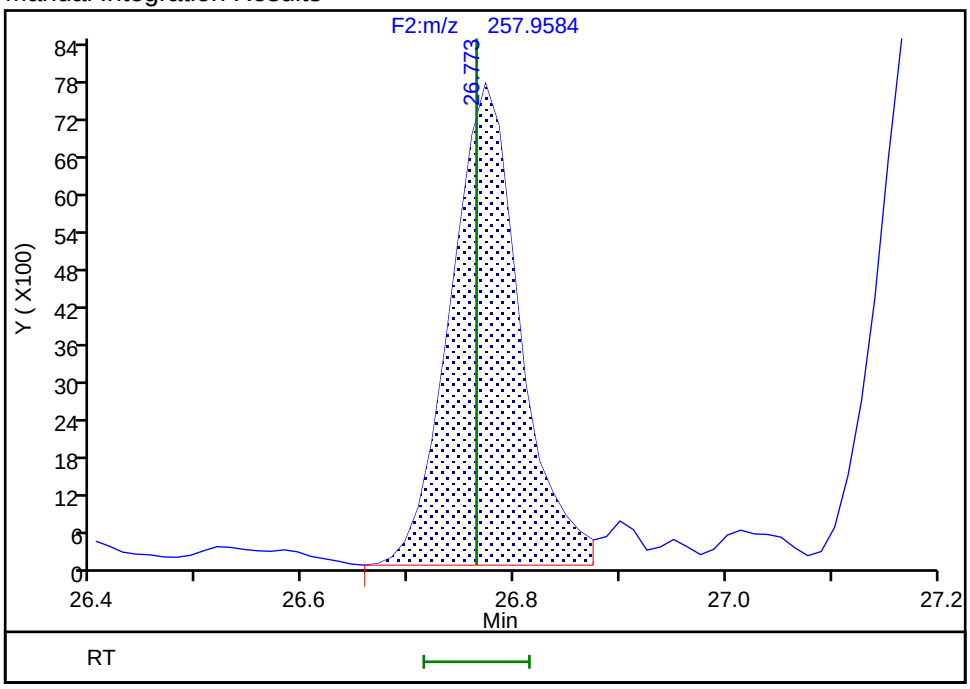
Processing Integration Results

RT: 26.77
Area: 36405
Amount: 1.024690
Amount Units: pg/ul




Manual Integration Results

RT: 26.77
Area: 34851
Amount: 1.043844
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:07:18
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

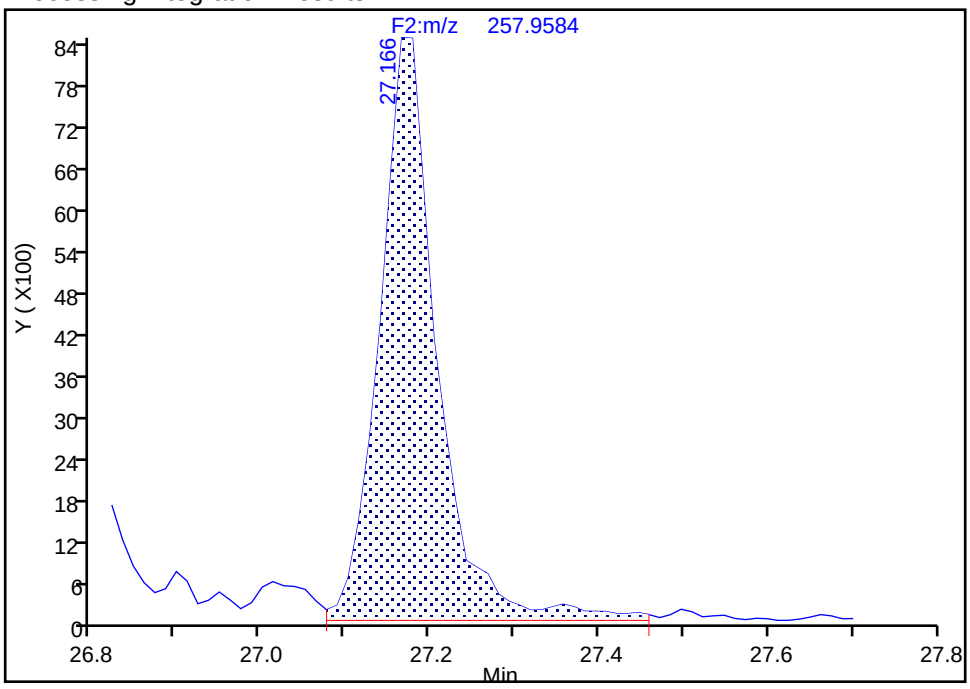
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-37, CAS: 38444-90-5

Signal: 2

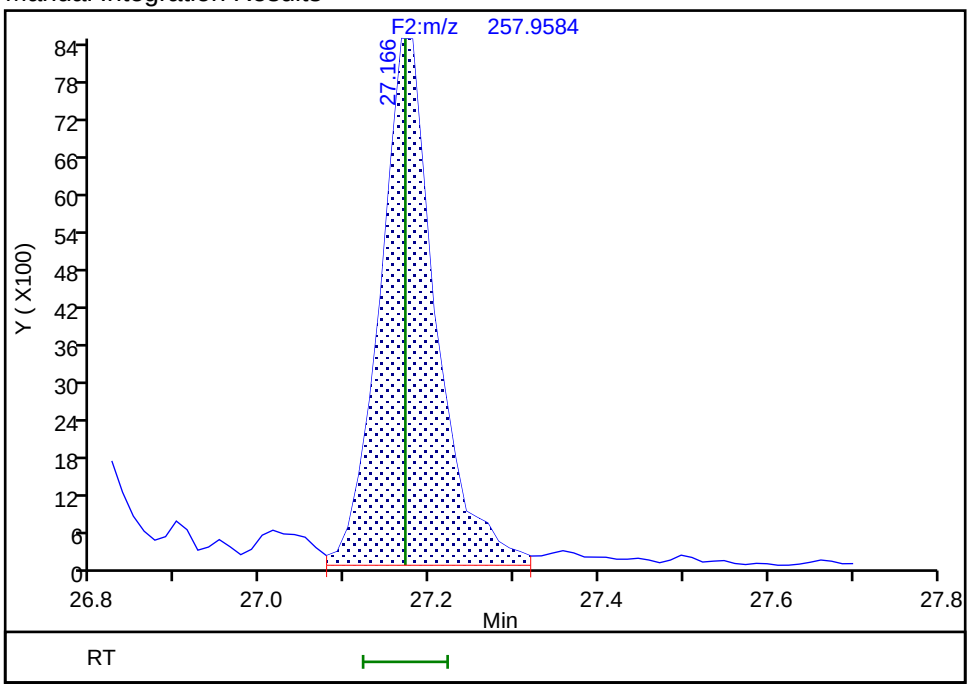
Processing Integration Results

RT: 27.17
Area: 39603
Amount: 1.027383
Amount Units: pg/ul




Manual Integration Results

RT: 27.17
Area: 38403
Amount: 1.054174
Amount Units: pg/ul



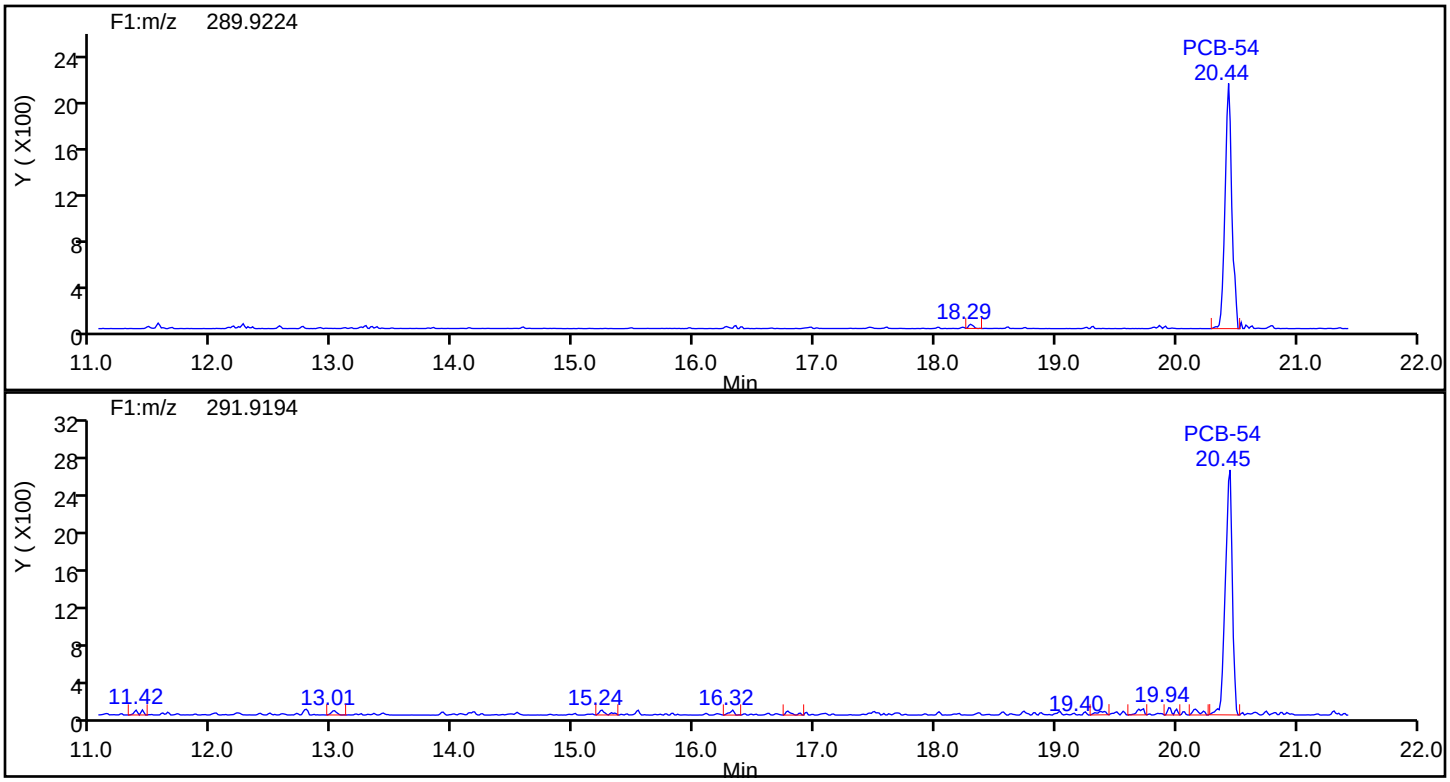

Reviewer: davidsonm, 21-Aug-2019 16:07:23

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

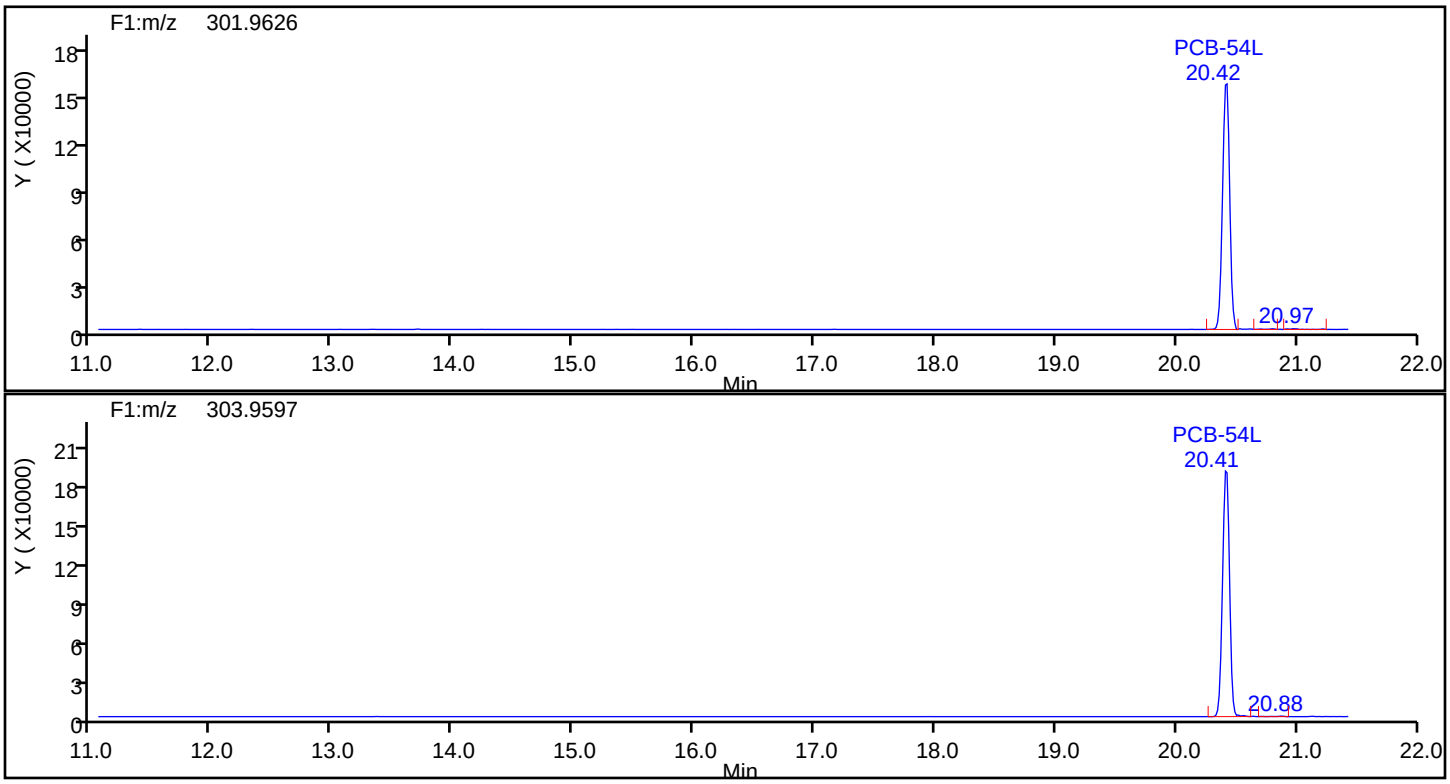
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



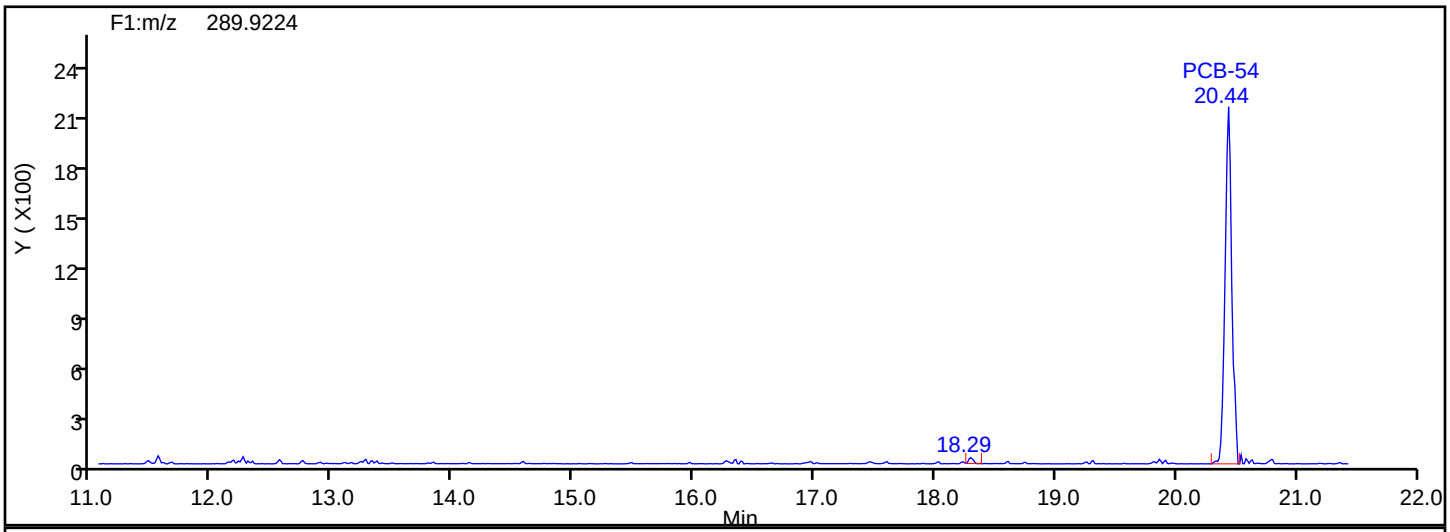

TePCB F1 Standards

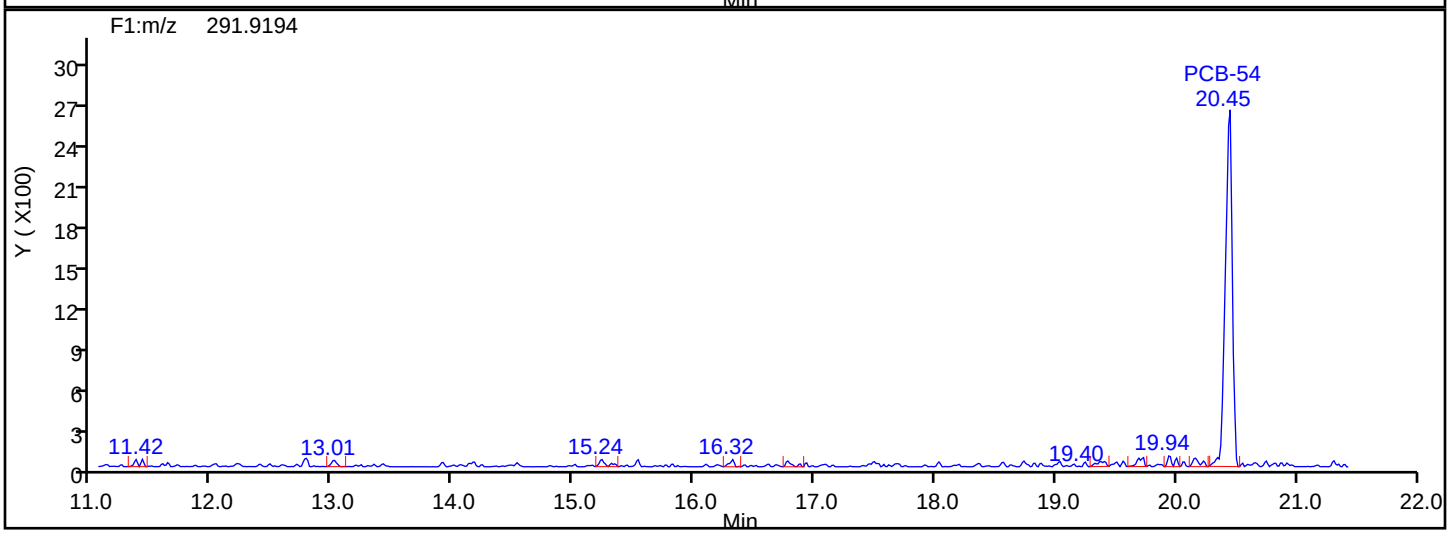


Eurofins TestAmerica, Knoxville

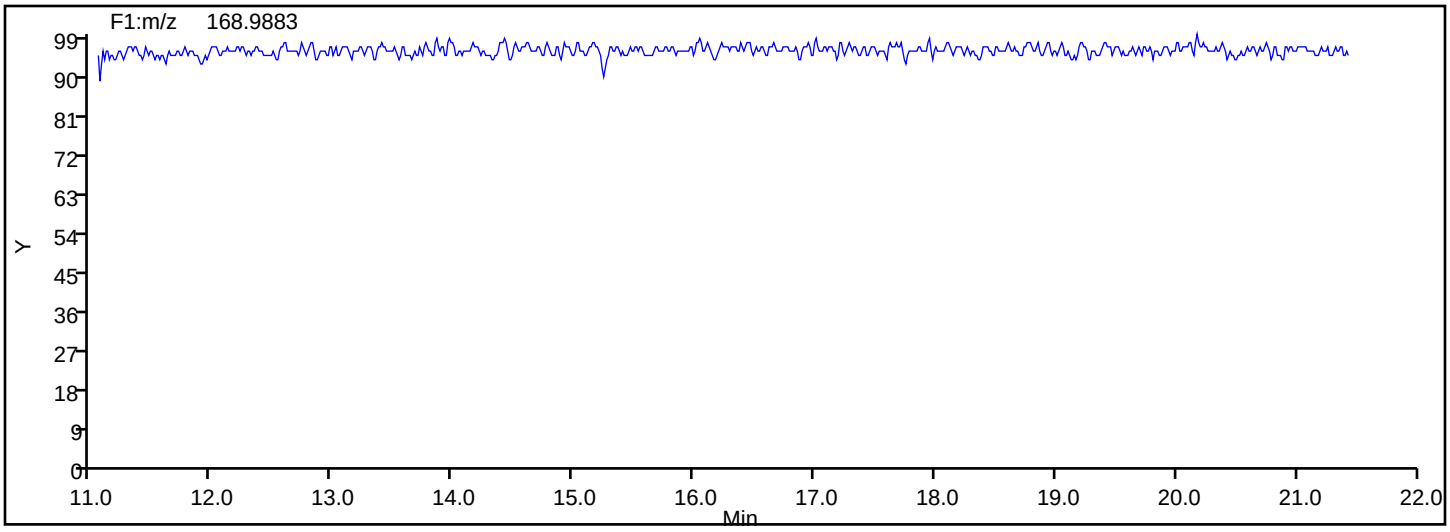
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass

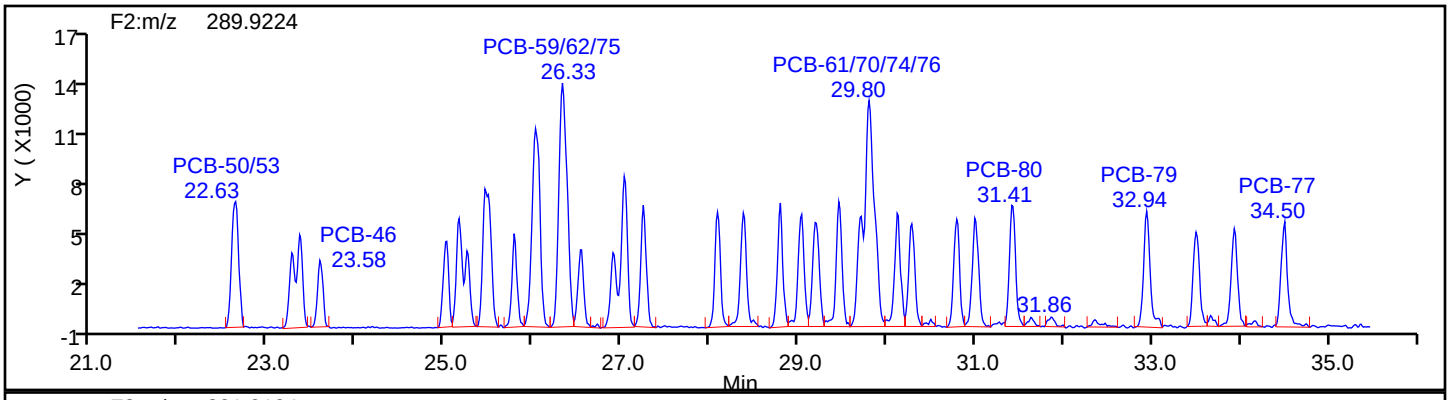


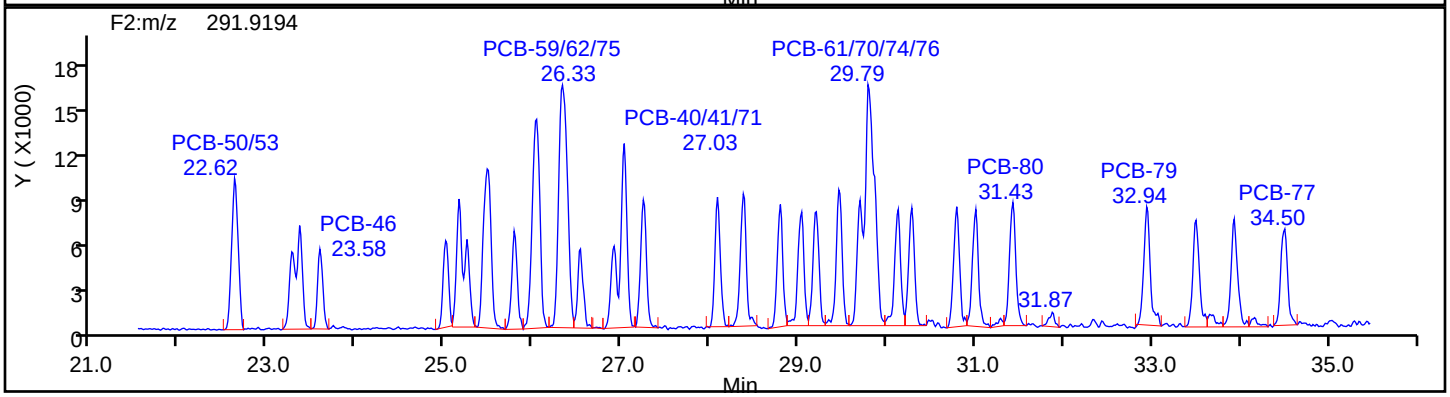
Report Date: 30-Aug-2019 11:36:43 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

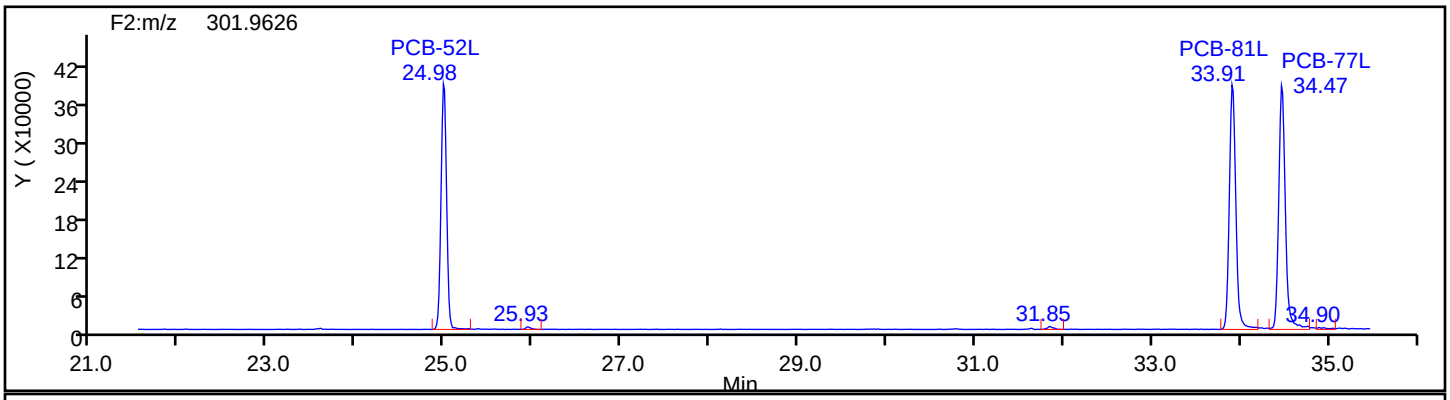
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

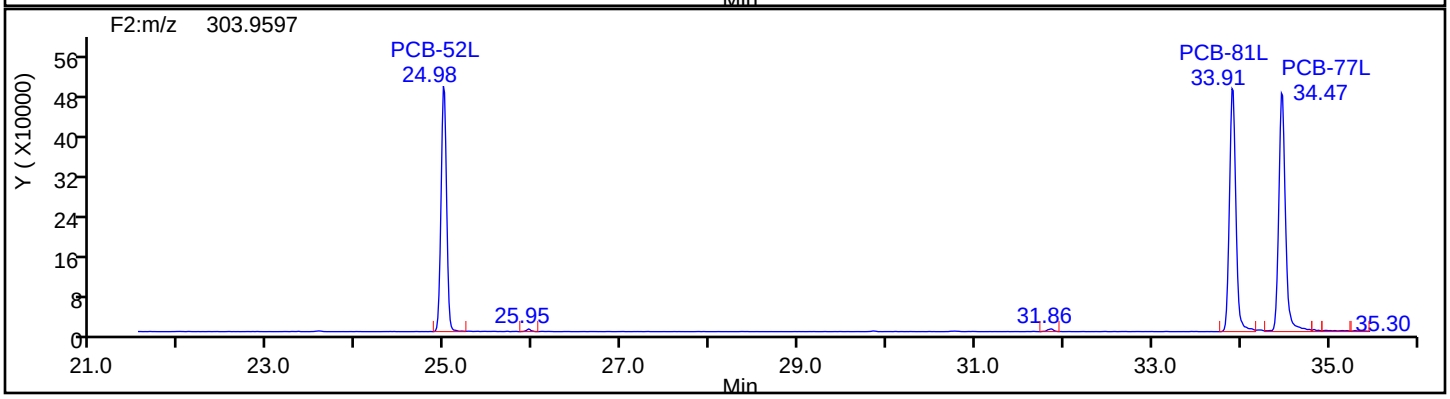
TePCB F2




TePCB F2 Standards

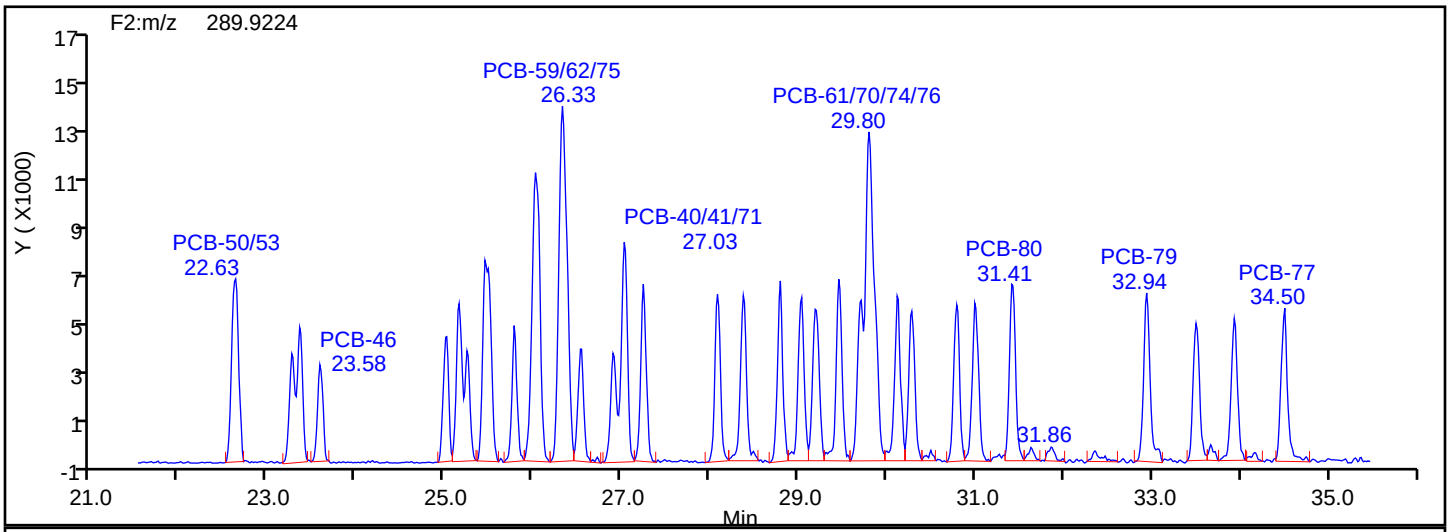


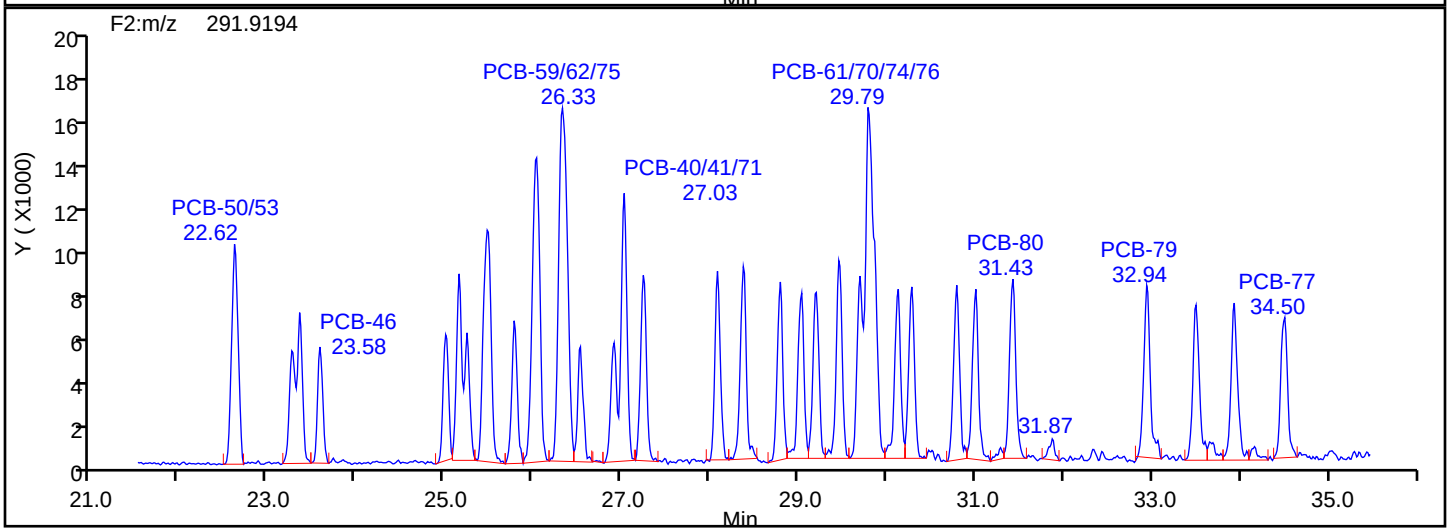



Eurofins TestAmerica, Knoxville

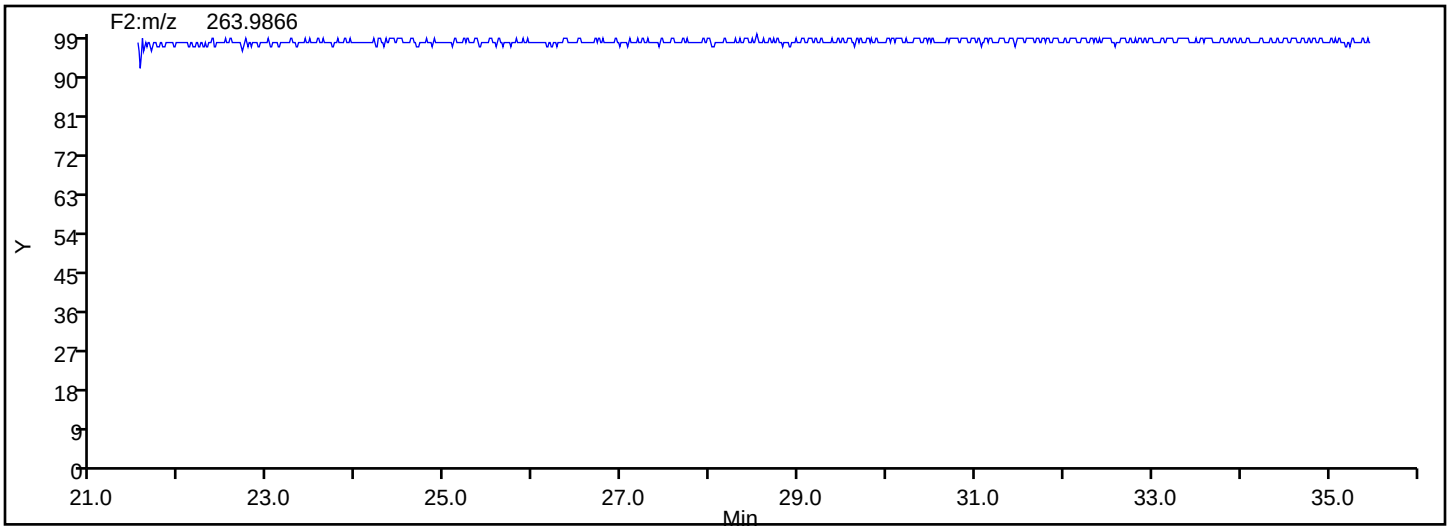
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

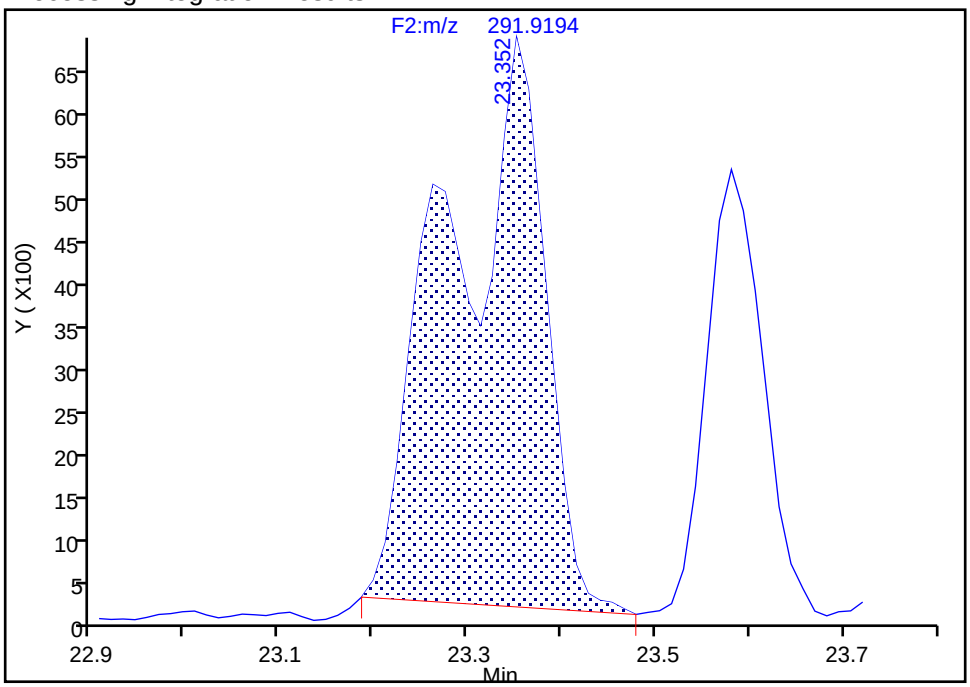
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

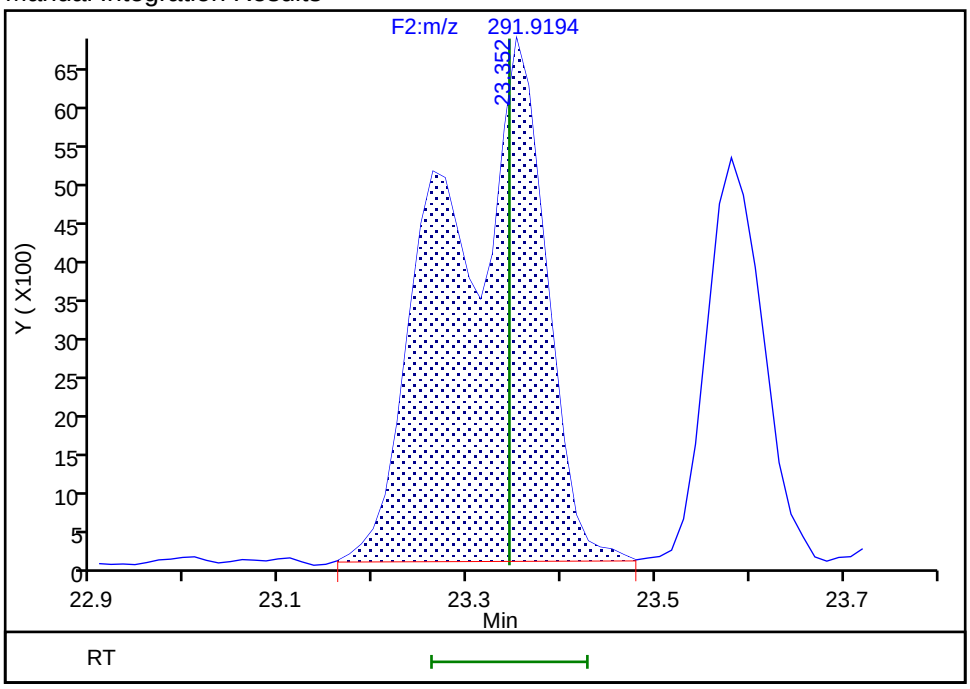
Processing Integration Results

RT: 23.35
Area: 47487
Amount: 2.382653
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 49786
Amount: 2.237964
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:06:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

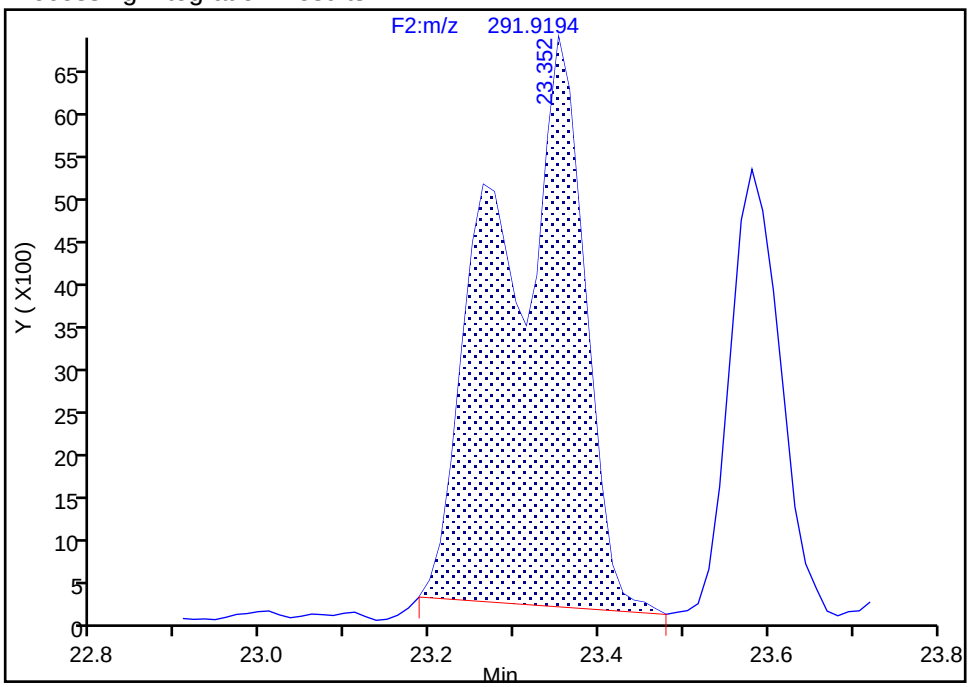
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.35
Area: 68154
Amount: 2.382653
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 89134
Amount: 2.237964
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:06:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

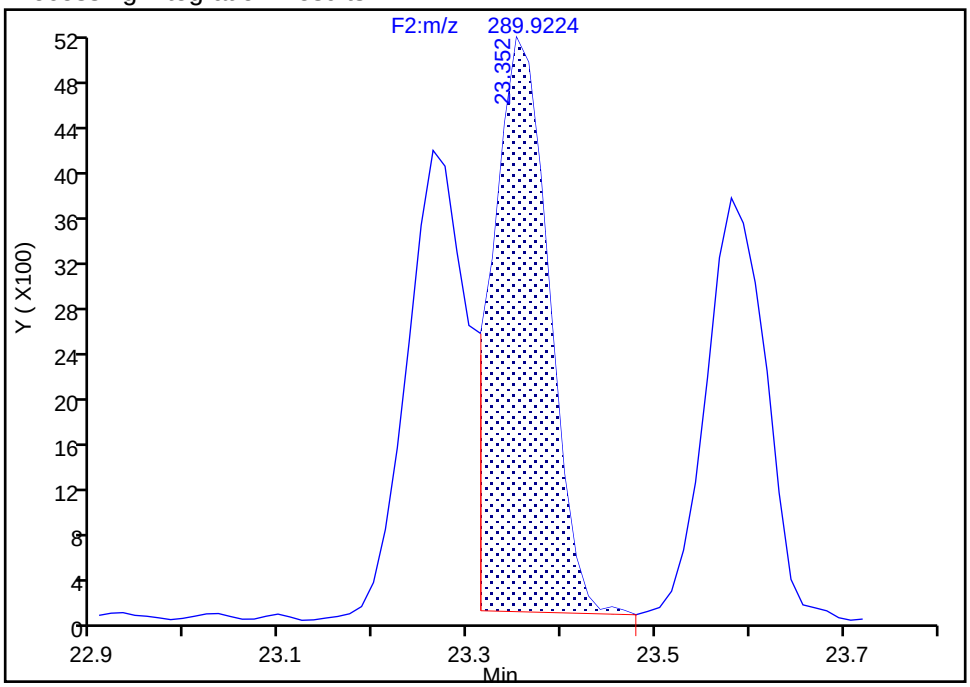
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

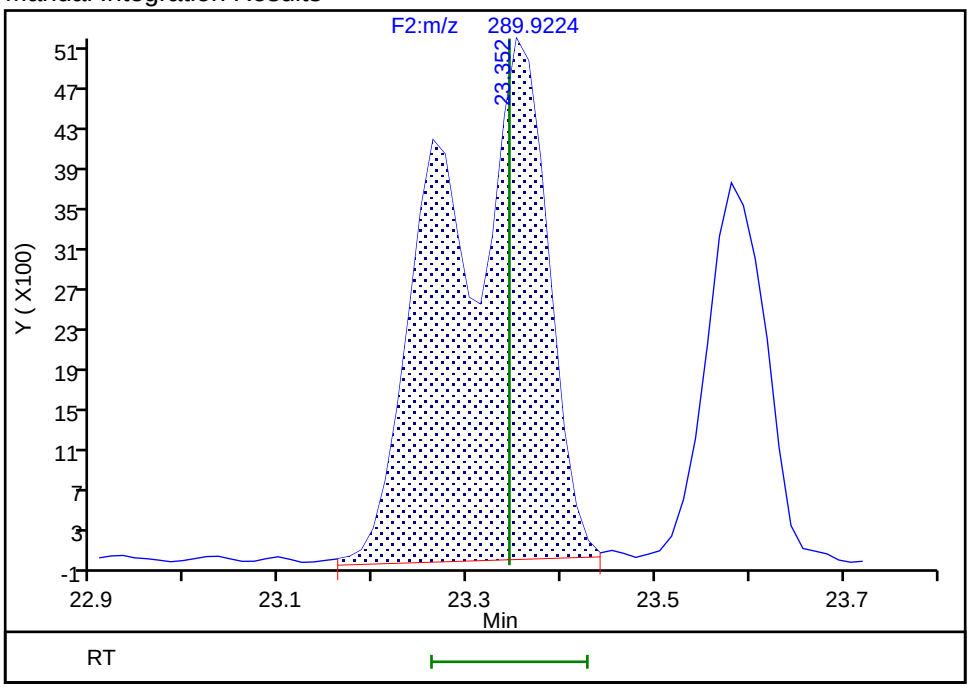
Processing Integration Results

RT: 23.35
Area: 20667
Amount: 2.382653
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 39348
Amount: 2.237964
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:06:38

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

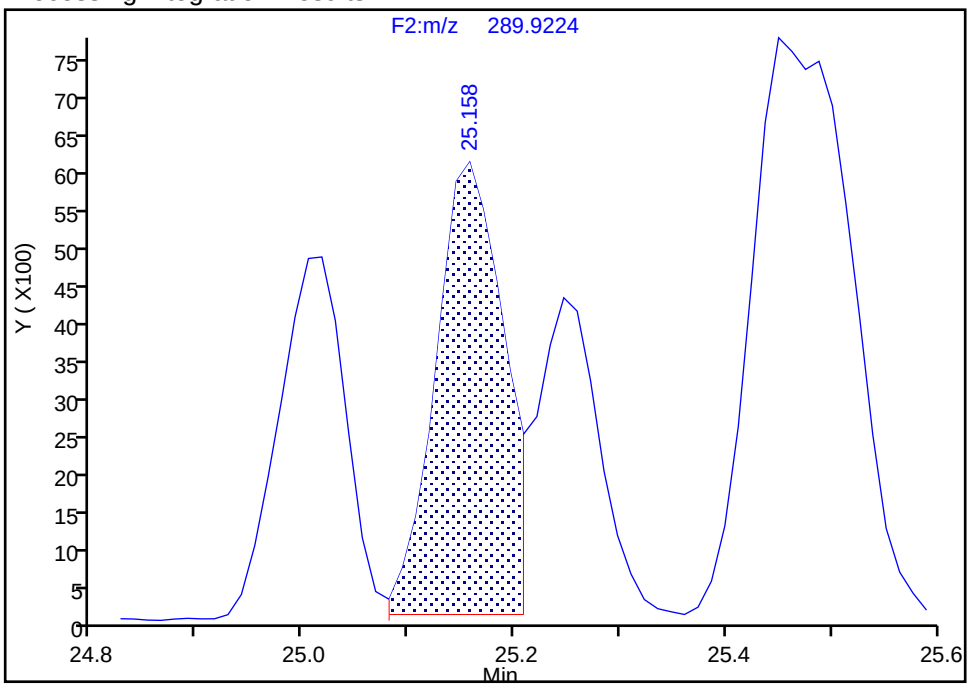
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

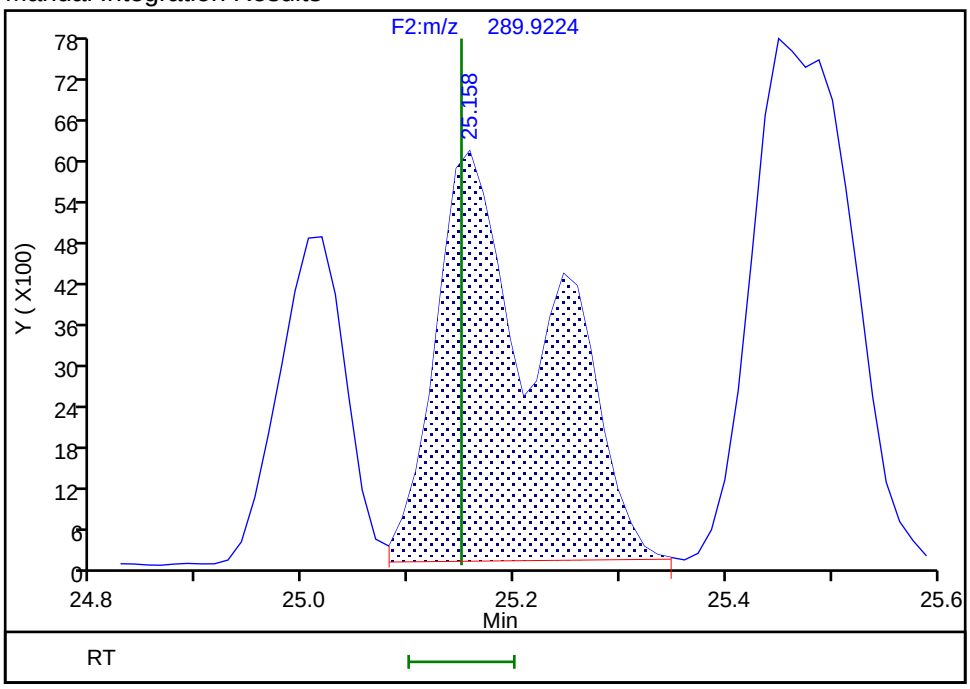
Processing Integration Results

RT: 25.16
Area: 26380
Amount: 1.926568
Amount Units: pg/ul




Manual Integration Results

RT: 25.16
Area: 43667
Amount: 2.227373
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:08:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

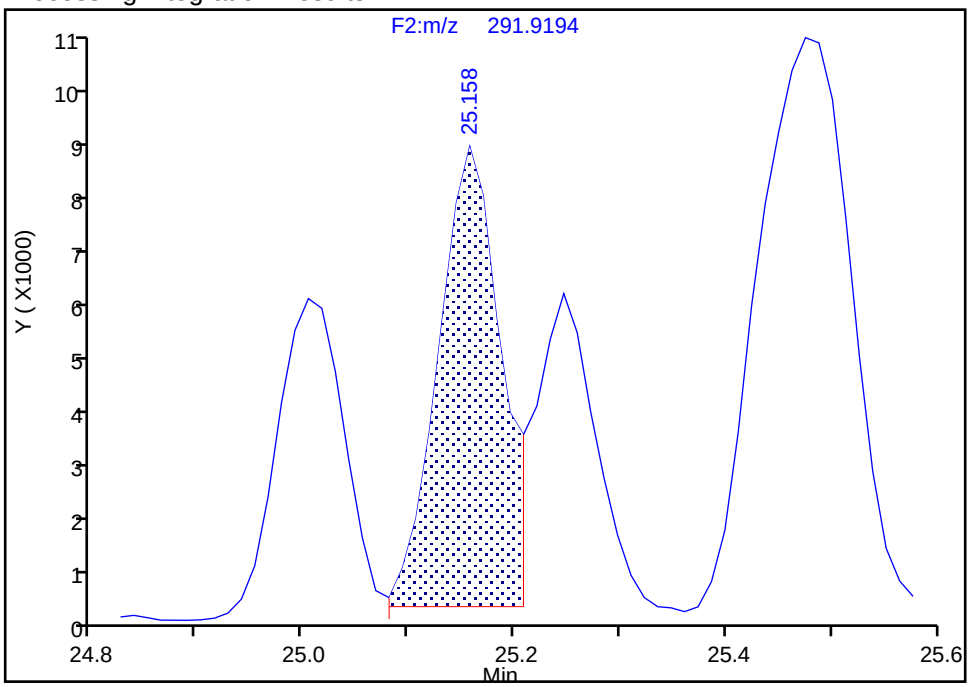
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

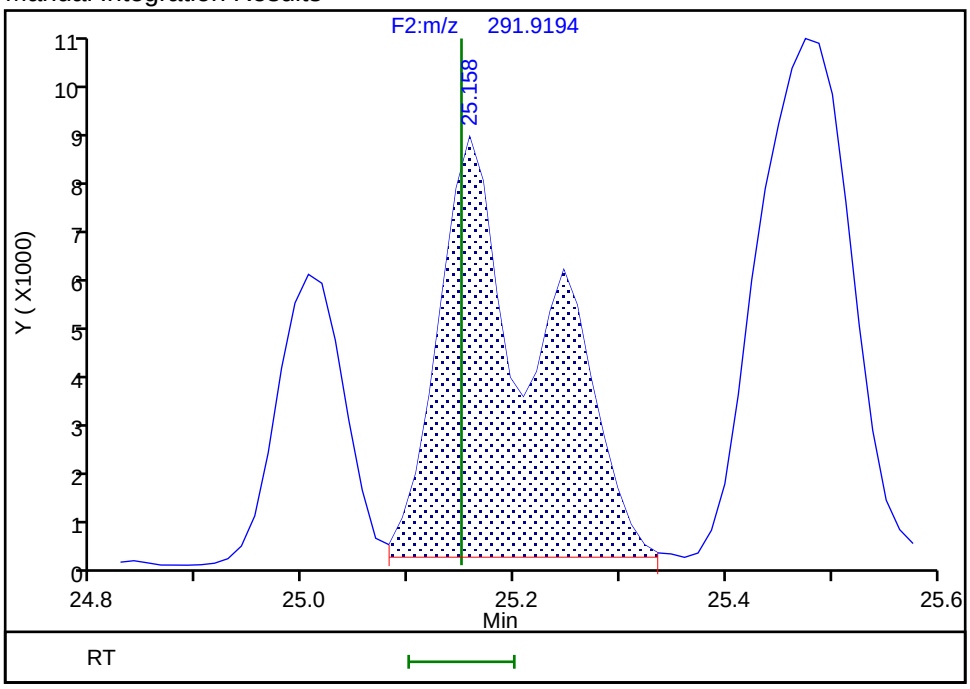
Processing Integration Results

RT: 25.16
Area: 33526
Amount: 1.926568
Amount Units: pg/ul




Manual Integration Results

RT: 25.16
Area: 56504
Amount: 2.227373
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:08:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

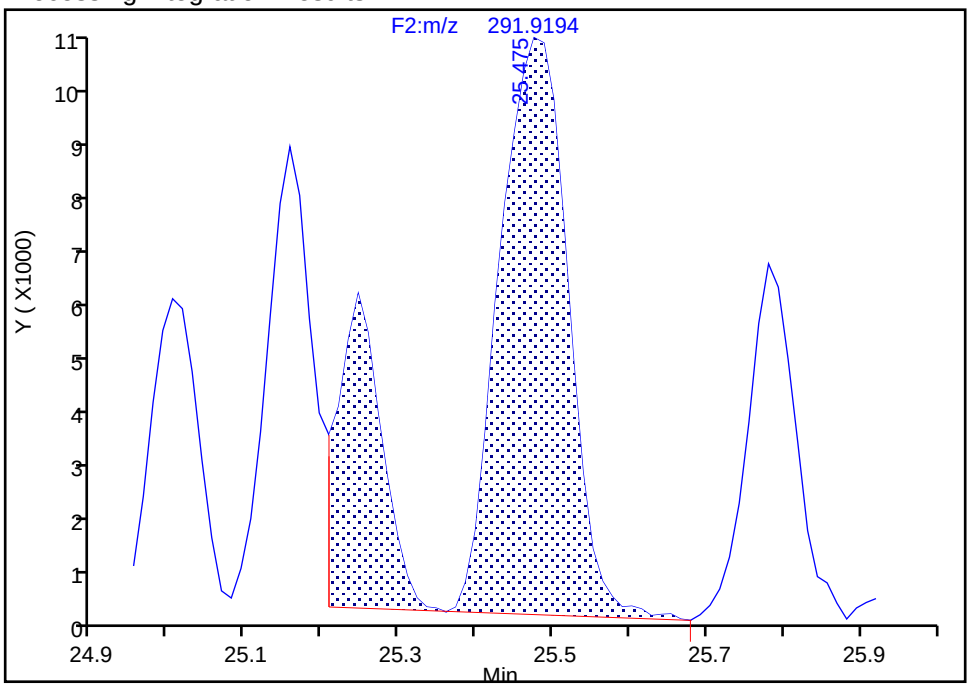
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 2

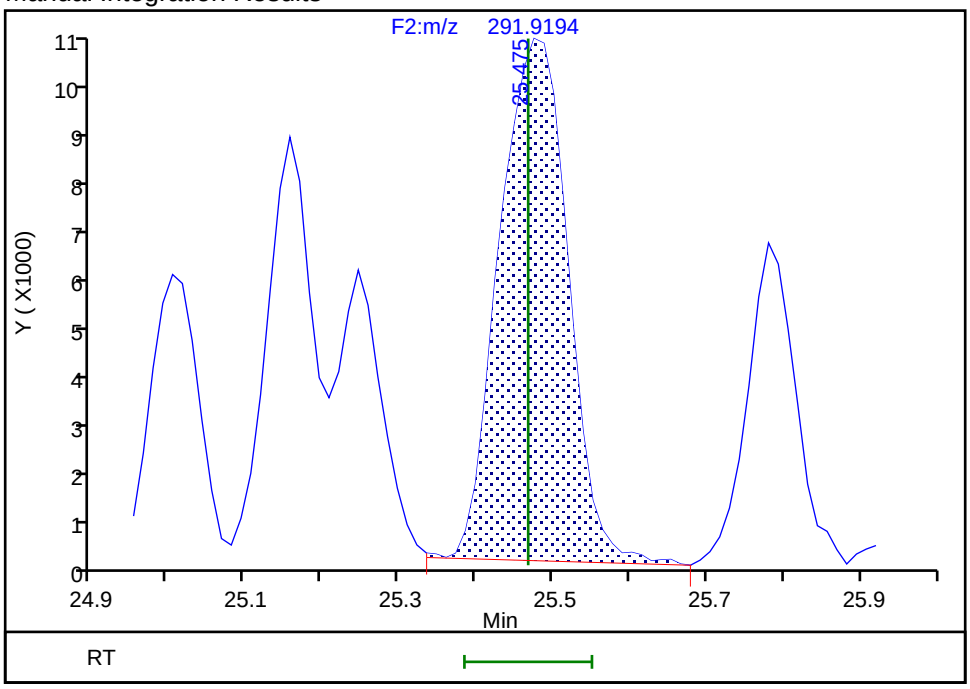
Processing Integration Results

RT: 25.48
Area: 86198
Amount: 2.451749
Amount Units: pg/ul




Manual Integration Results

RT: 25.48
Area: 64524
Amount: 2.241010
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:08:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

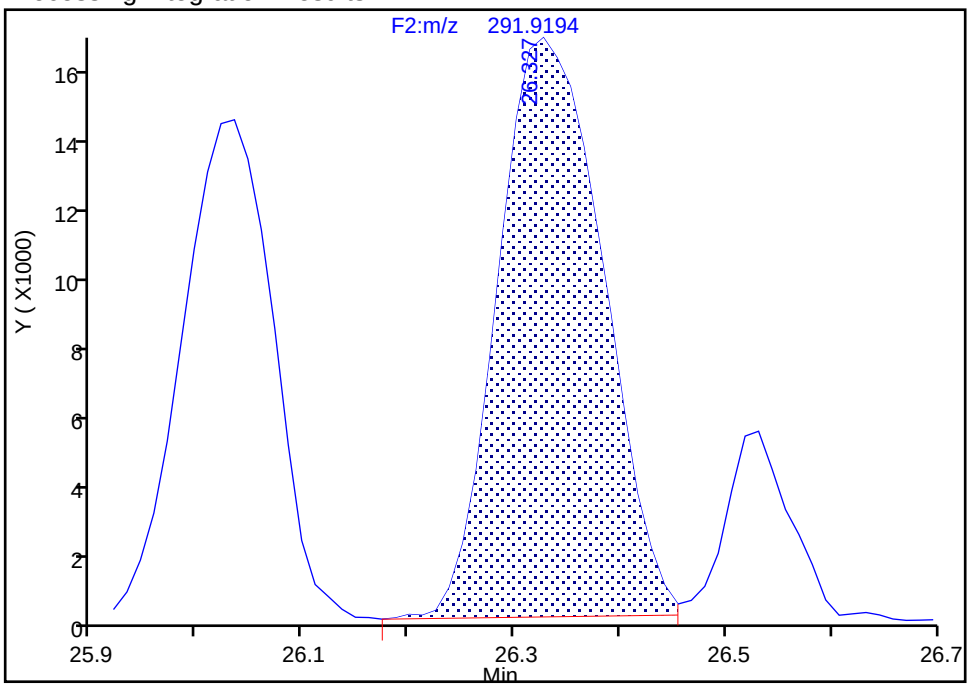
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-59/62/75, CAS: STL01807

Signal: 2

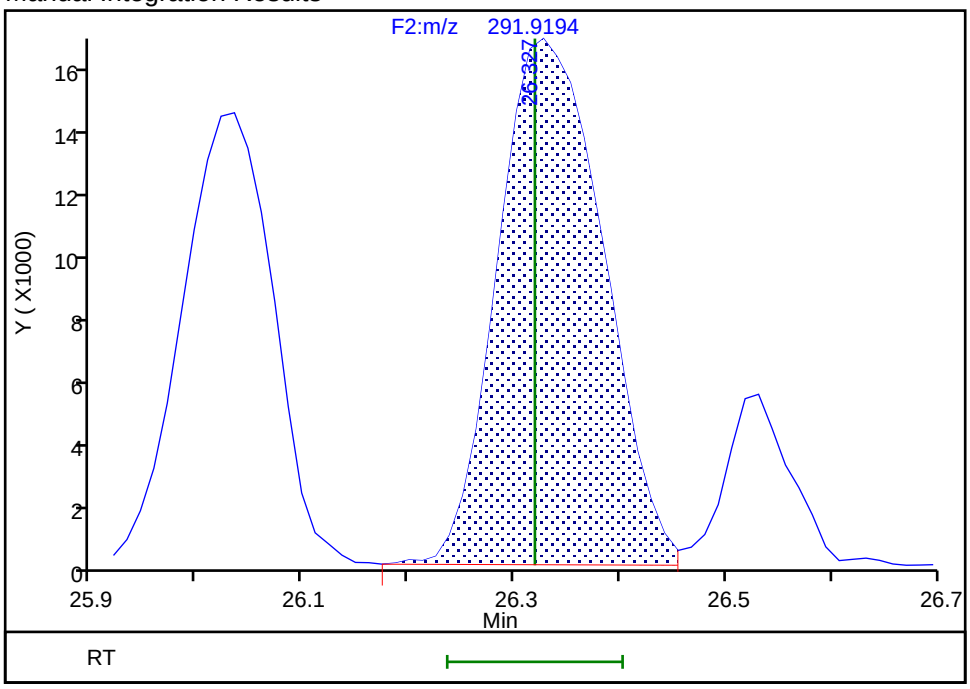
Processing Integration Results

RT: 26.33
Area: 108885
Amount: 3.261862
Amount Units: pg/ul




Manual Integration Results

RT: 26.33
Area: 110093
Amount: 3.242929
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:26:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

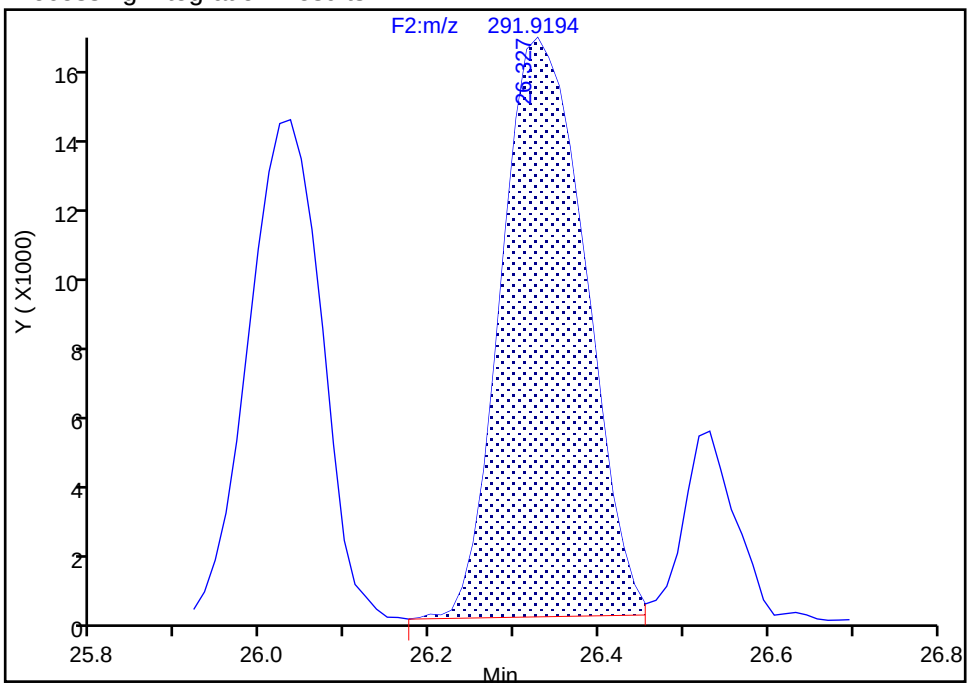
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-59/62/75, CAS: STL01807

Signal: 3

Processing Integration Results

RT: 26.33
Area: 197404
Amount: 3.261862
Amount Units: pg/ul




Manual Integration Results

RT: 26.33
Area: 198612
Amount: 3.242929
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:26:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

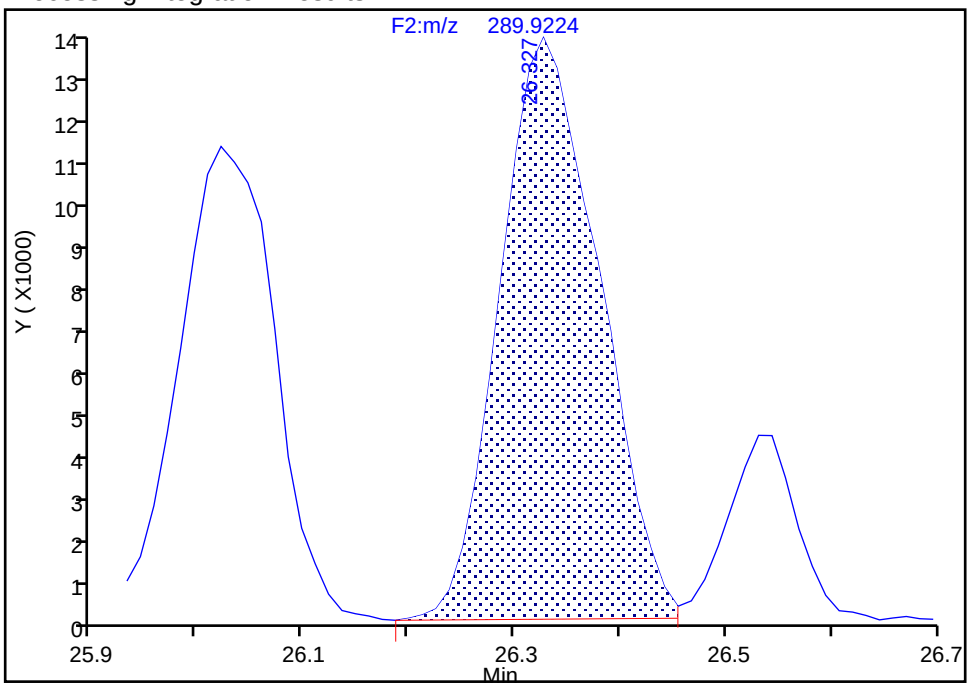
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-59/62/75, CAS: STL01807

Signal: 1

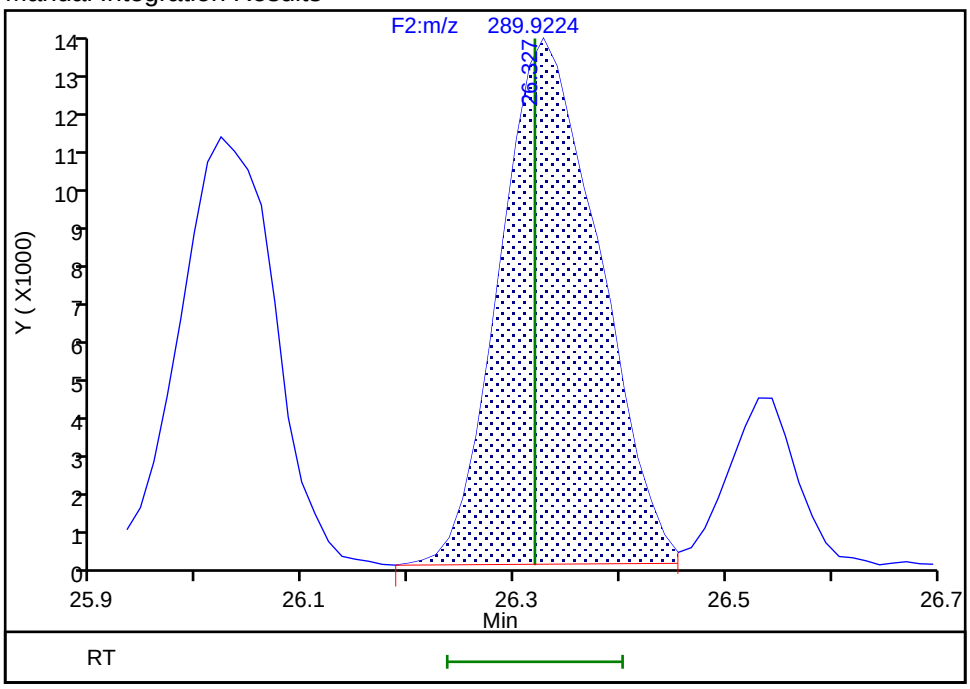
Processing Integration Results

RT: 26.33
Area: 88519
Amount: 3.261862
Amount Units: pg/ul




Manual Integration Results

RT: 26.33
Area: 88519
Amount: 3.242929
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:26:43

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

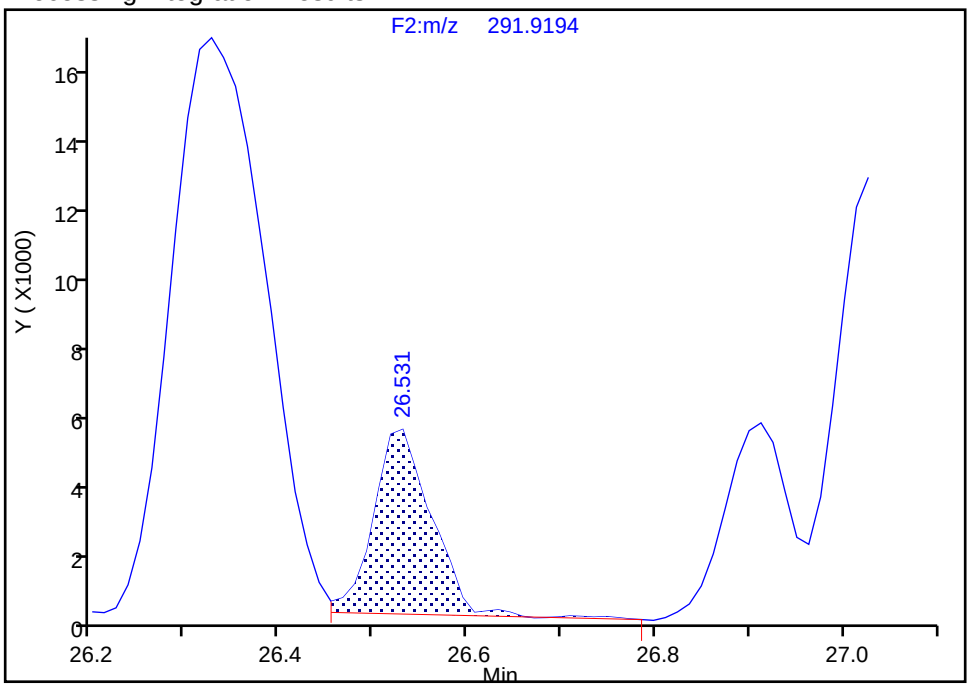
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-42, CAS: 36559-22-5

Signal: 2

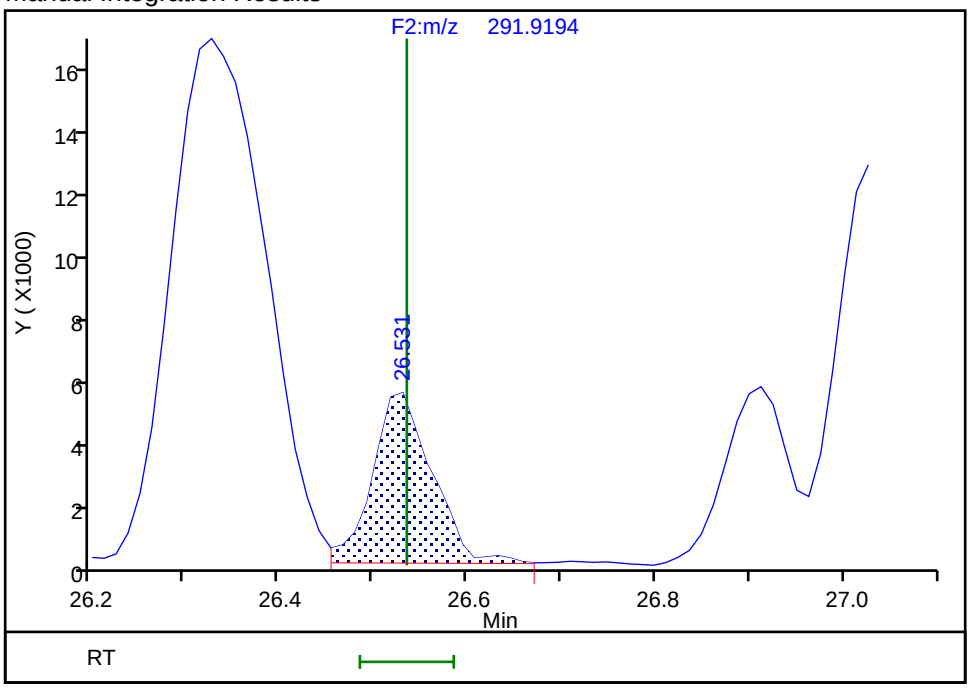
Processing Integration Results

RT: 26.53
Area: 21636
Amount: 1.037914
Amount Units: pg/ul




Manual Integration Results

RT: 26.53
Area: 22651
Amount: 1.081666
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:26:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

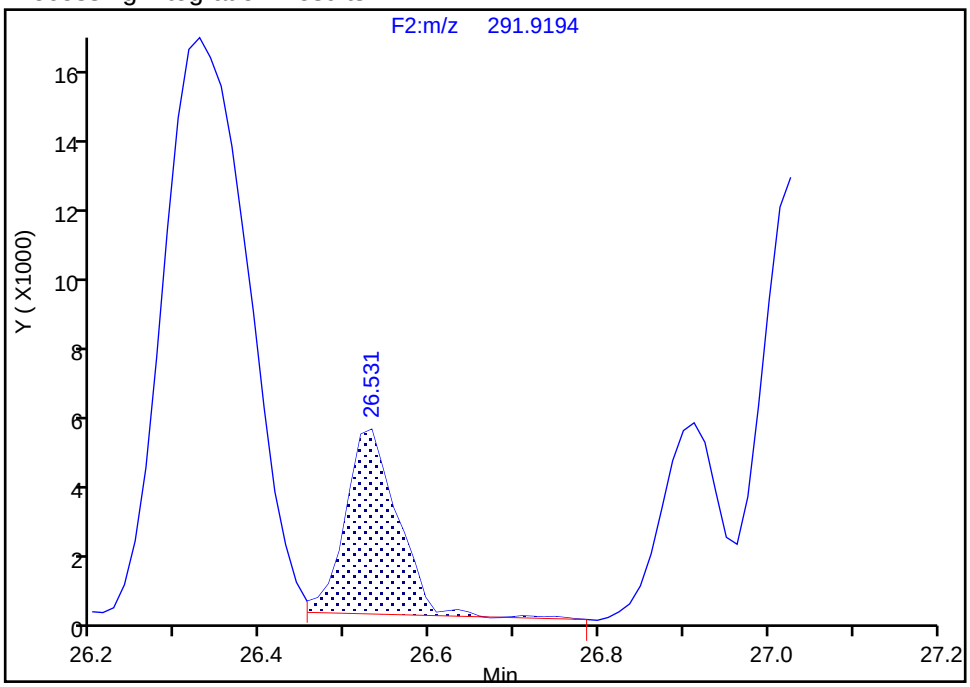
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-42, CAS: 36559-22-5

Signal: 3

Processing Integration Results

RT: 26.53
Area: 41792
Amount: 1.037914
Amount Units: pg/ul




Manual Integration Results

RT: 26.53
Area: 42205
Amount: 1.081666
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:26:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

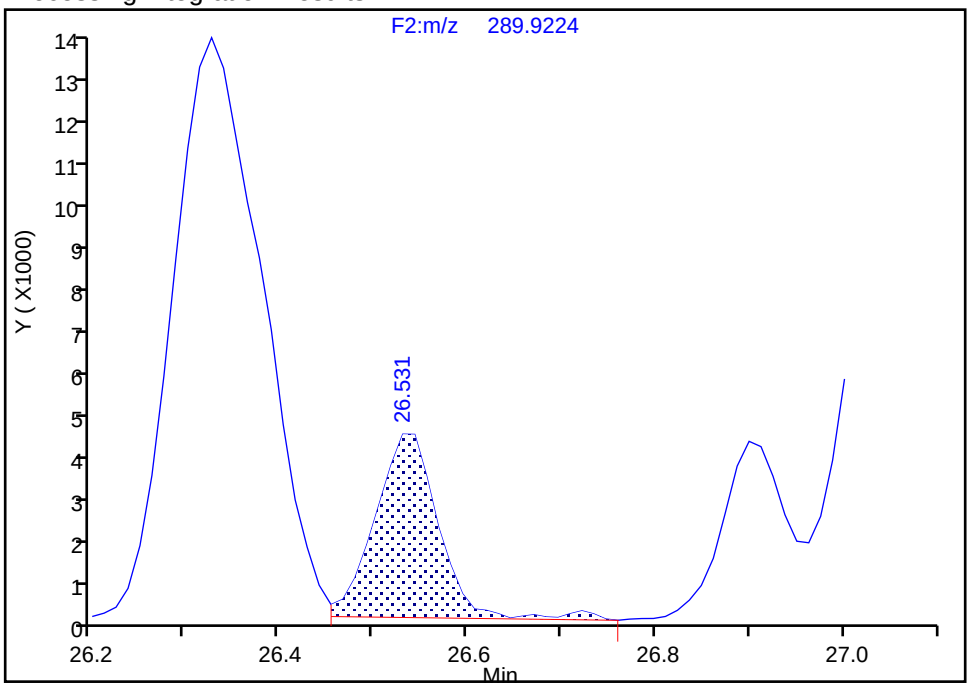
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-42, CAS: 36559-22-5

Signal: 1

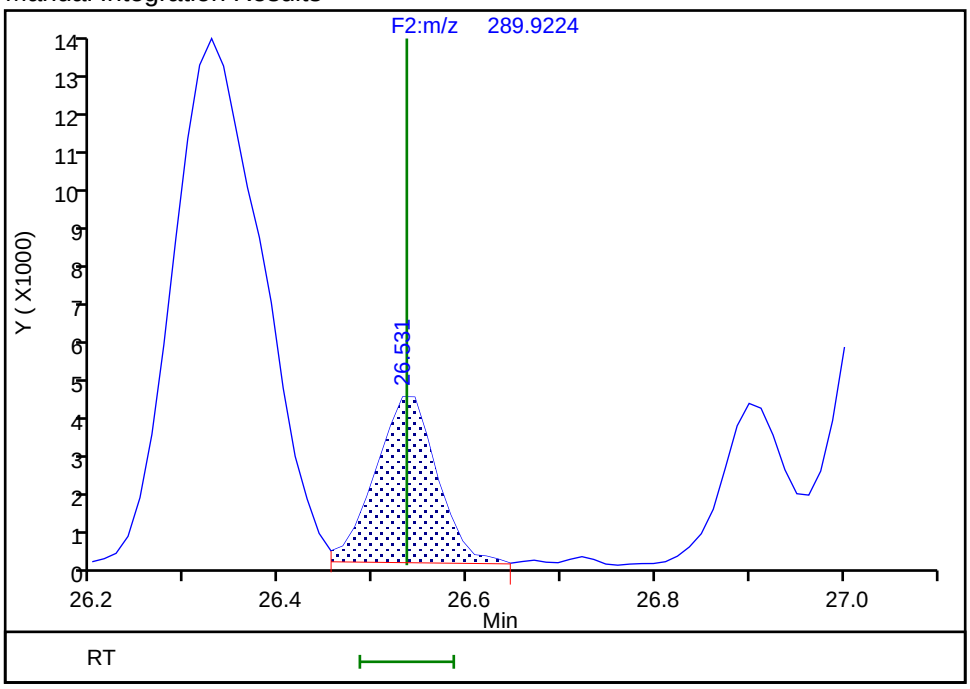
Processing Integration Results

RT: 26.53
Area: 20156
Amount: 1.037914
Amount Units: pg/ul




Manual Integration Results

RT: 26.53
Area: 19554
Amount: 1.081666
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:26:35
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

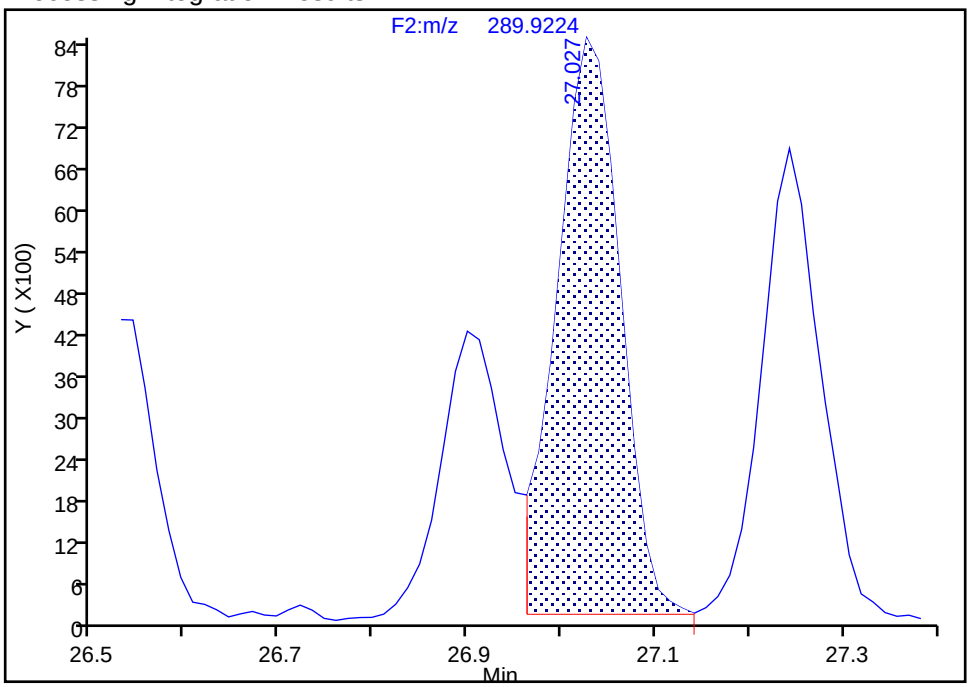
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

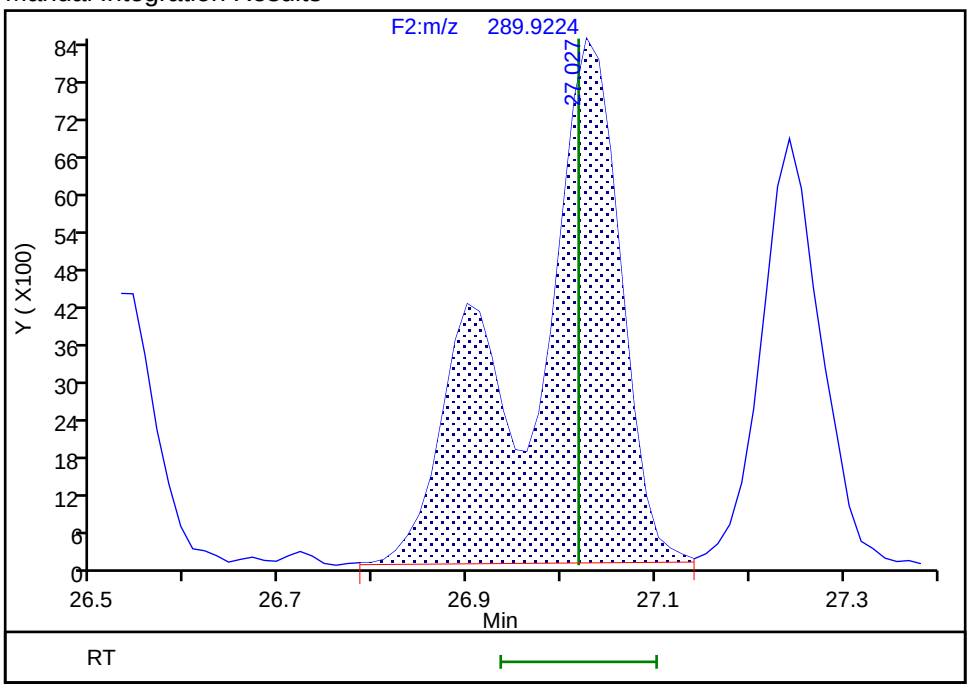
Processing Integration Results

RT: 27.03
Area: 38955
Amount: 2.683057
Amount Units: pg/ul




Manual Integration Results

RT: 27.03
Area: 59098
Amount: 3.316163
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:09:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

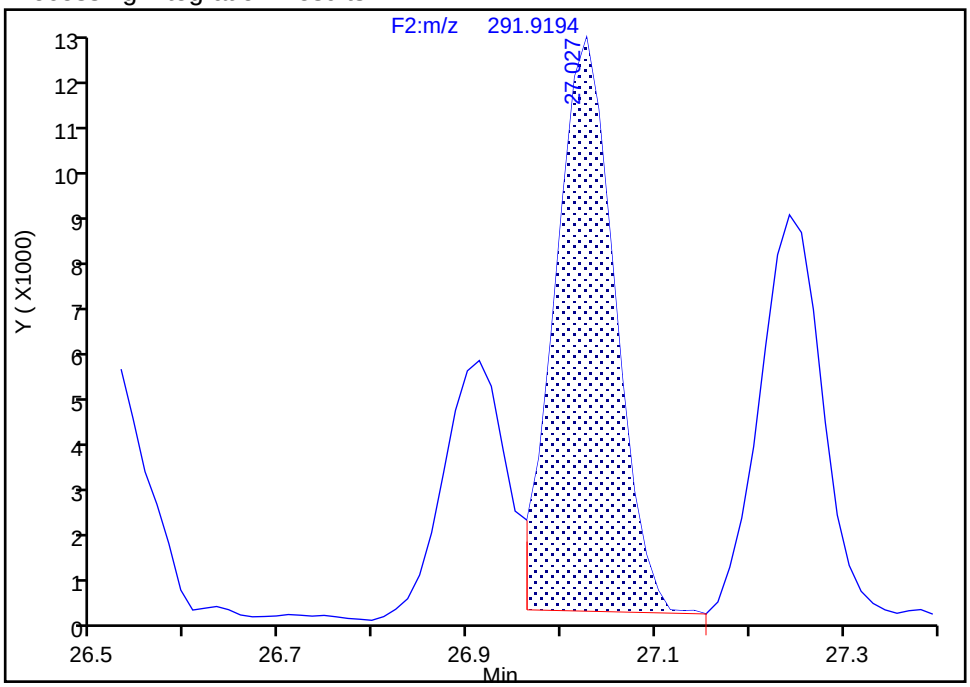
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

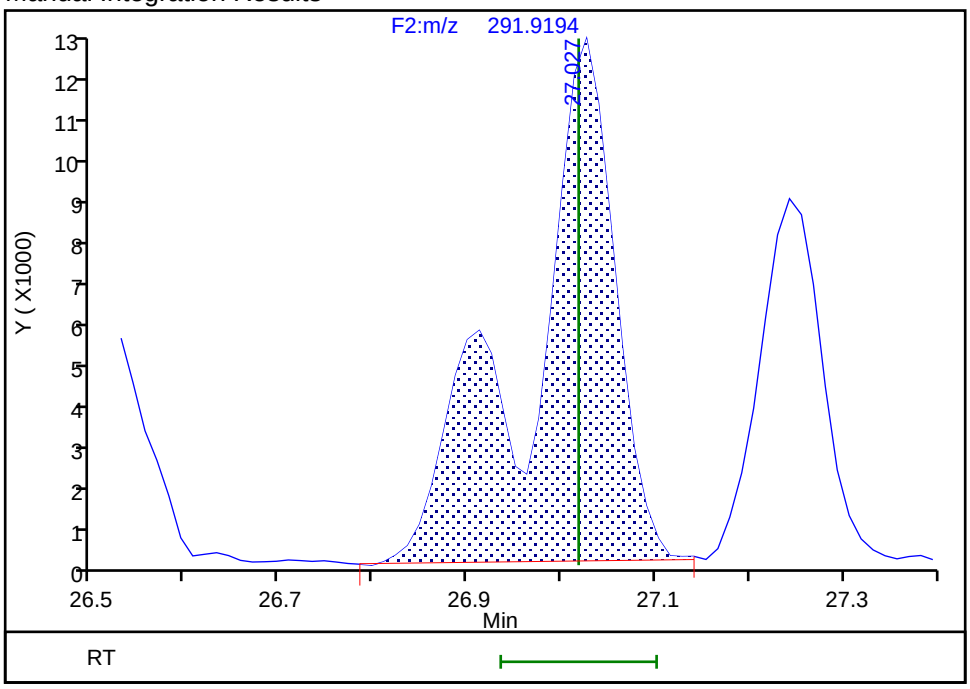
Processing Integration Results

RT: 27.03
Area: 52403
Amount: 2.683057
Amount Units: pg/ul




Manual Integration Results

RT: 27.03
Area: 77884
Amount: 3.316163
Amount Units: pg/ul



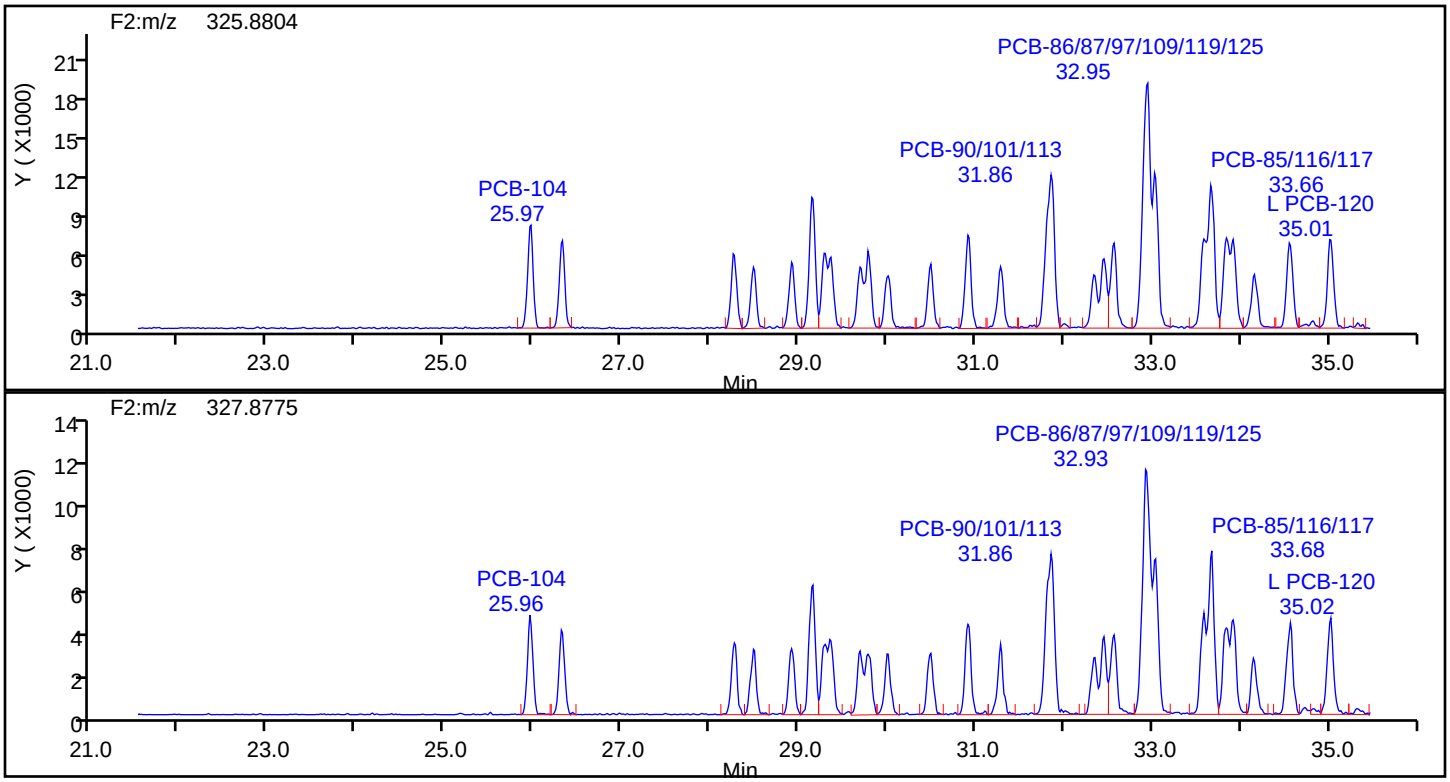

Reviewer: davidsonm, 21-Aug-2019 16:09:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

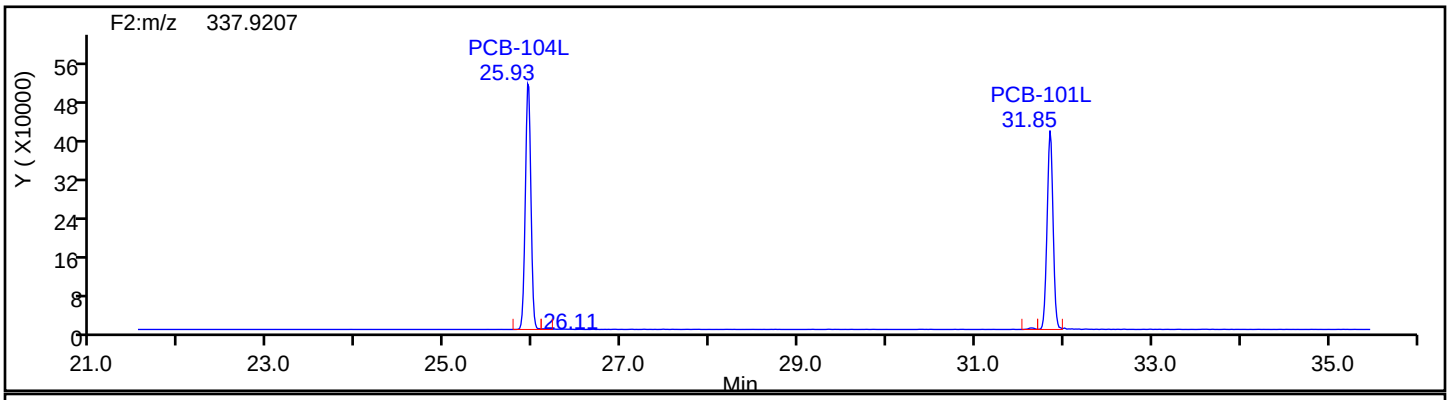
PePCB F2

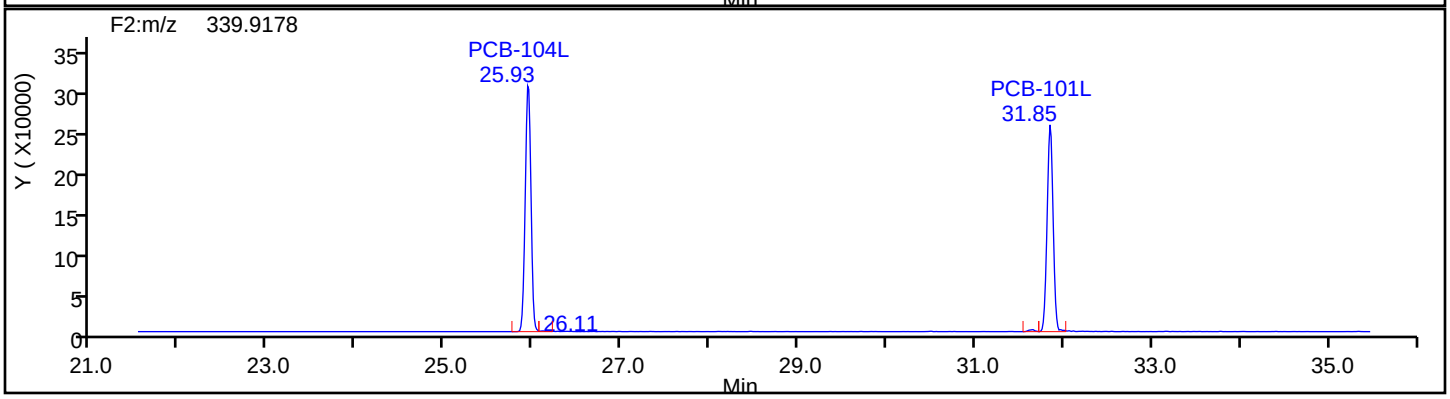






PePCB F2 Standards

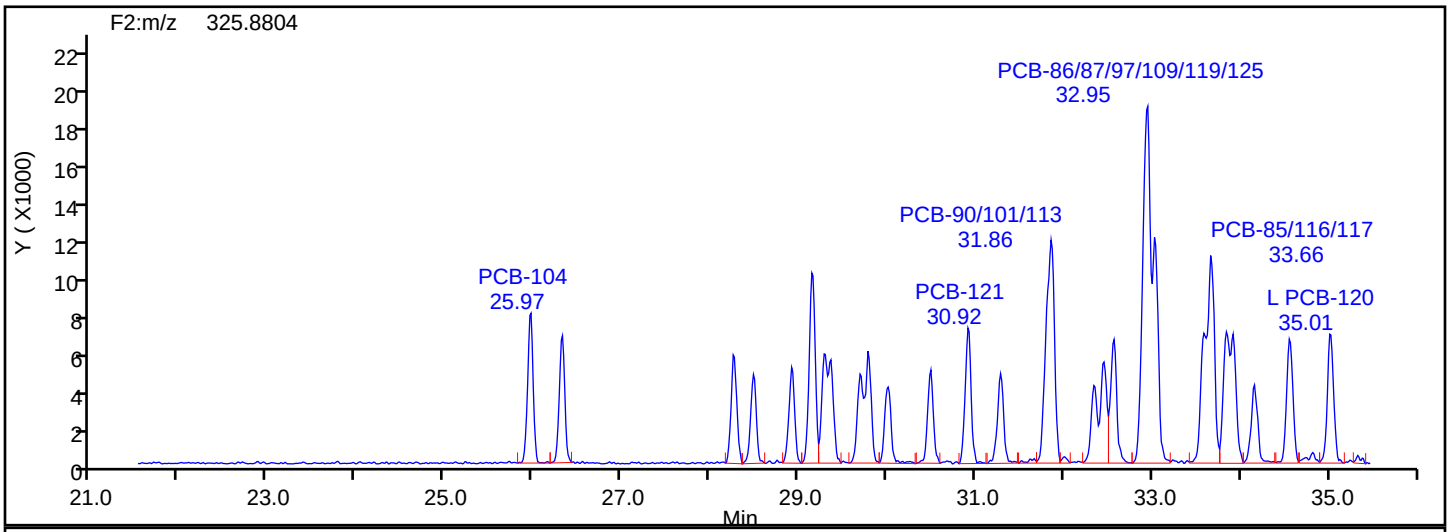


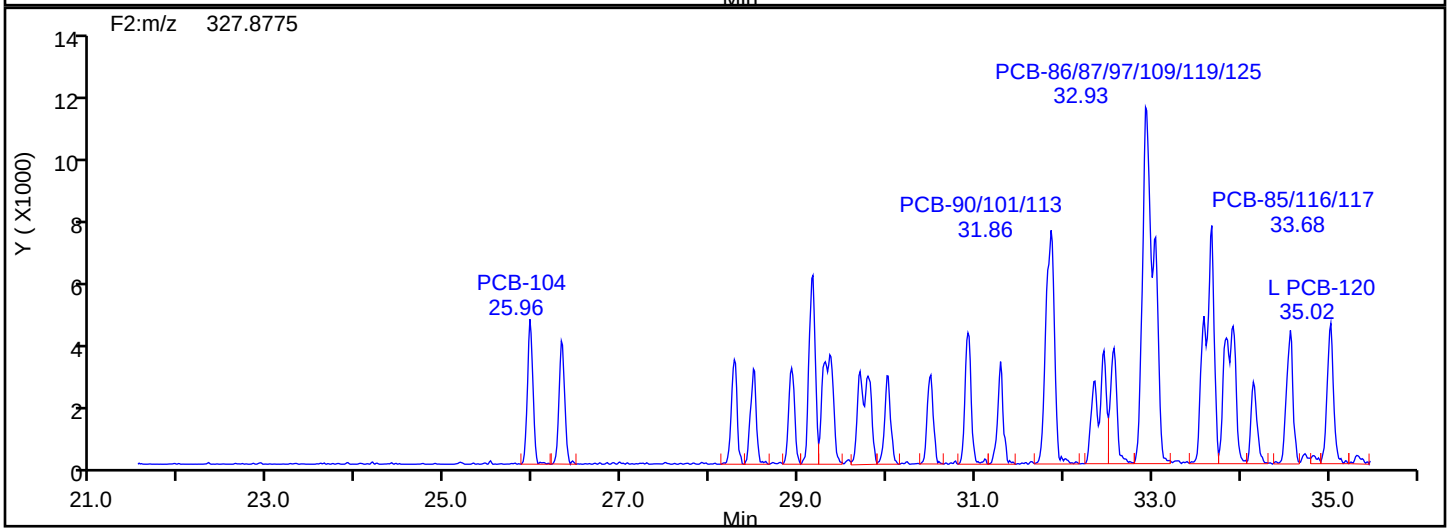



Eurofins TestAmerica, Knoxville

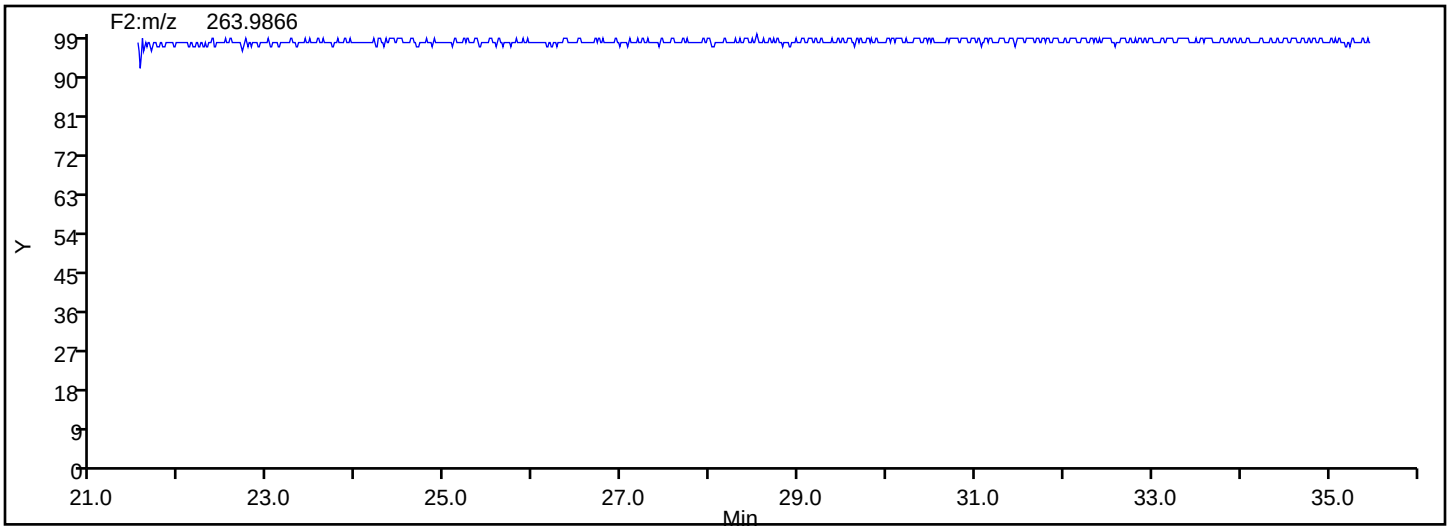
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

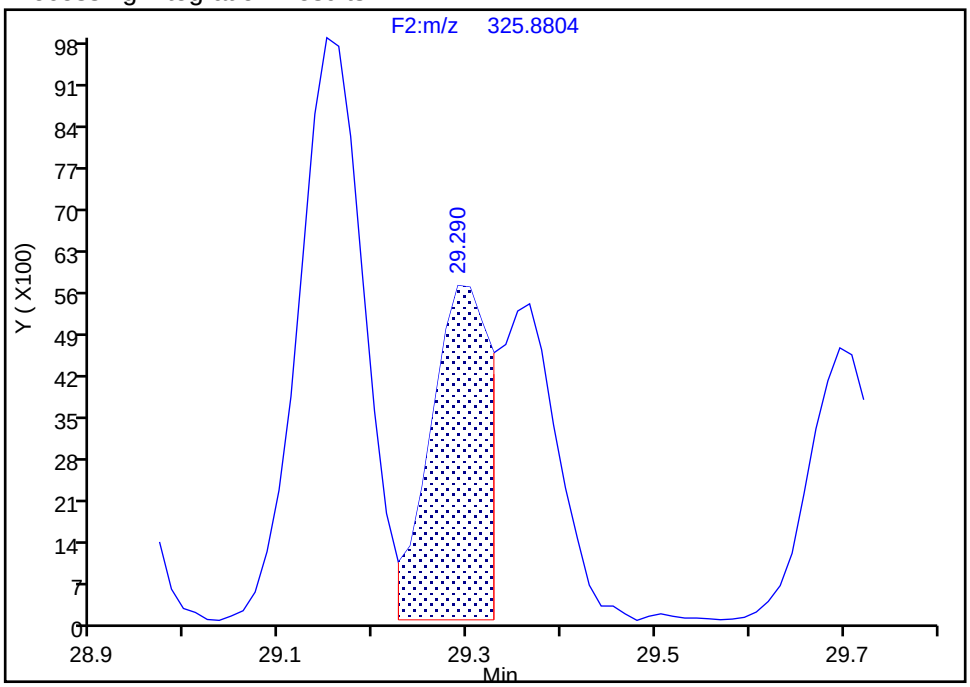
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 1

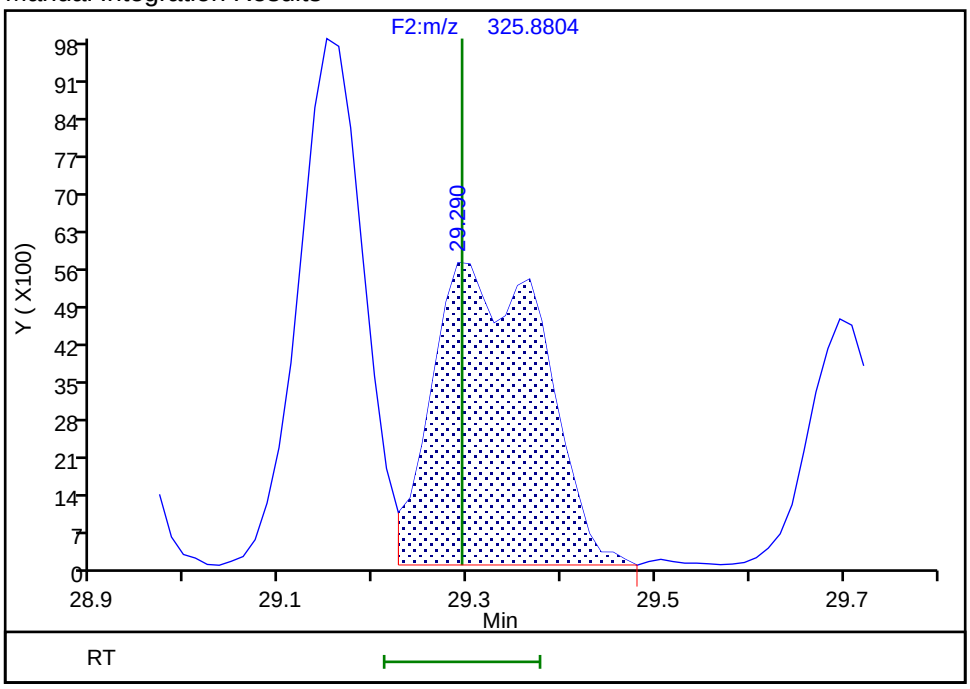
Processing Integration Results

RT: 29.29
Area: 23513
Amount: 1.518368
Amount Units: pg/ul




Manual Integration Results

RT: 29.29
Area: 46344
Amount: 2.111619
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:10:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

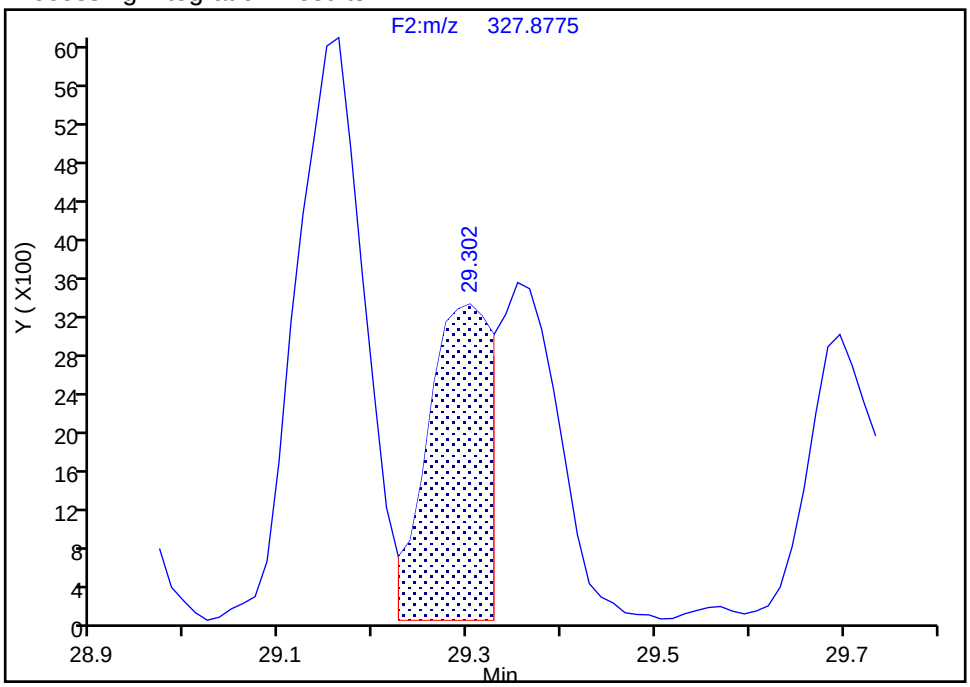
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

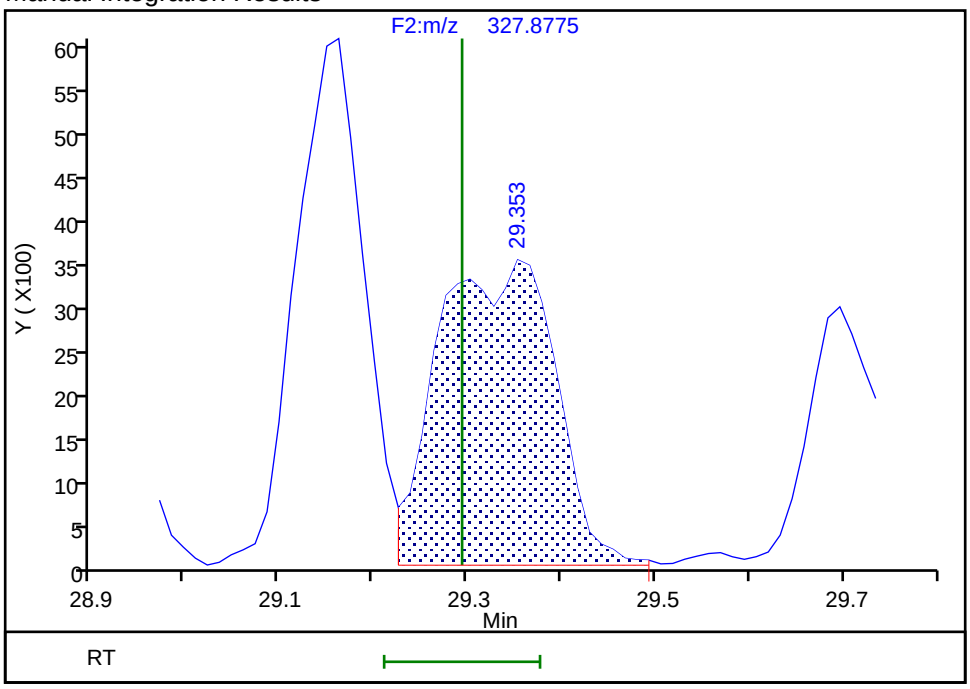
Processing Integration Results

RT: 29.30
Area: 14655
Amount: 1.518368
Amount Units: pg/ul




Manual Integration Results

RT: 29.35
Area: 30213
Amount: 2.111619
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:10:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

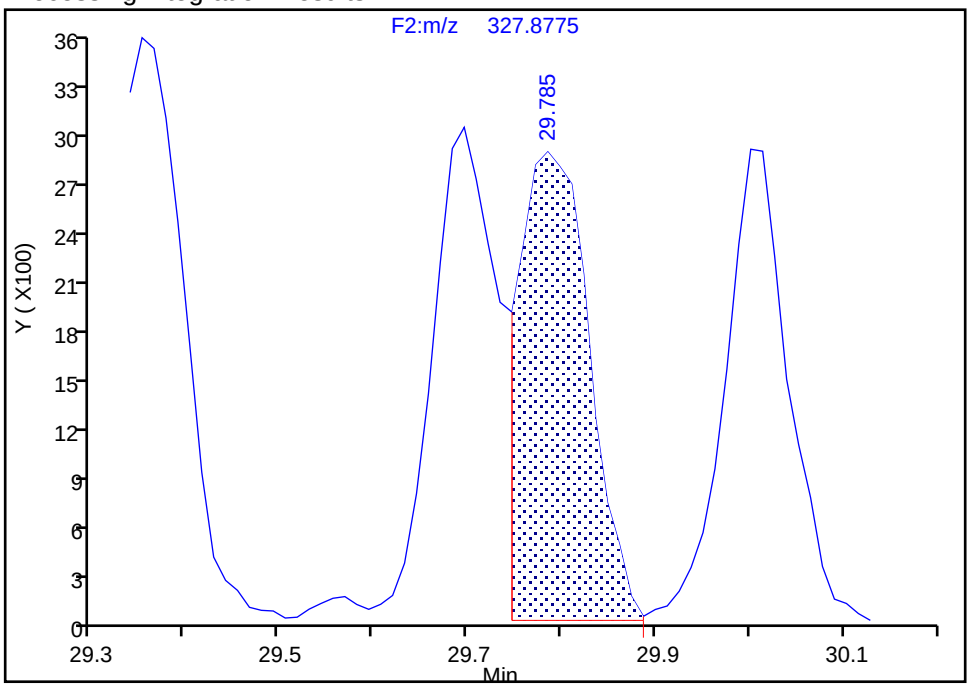
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 2

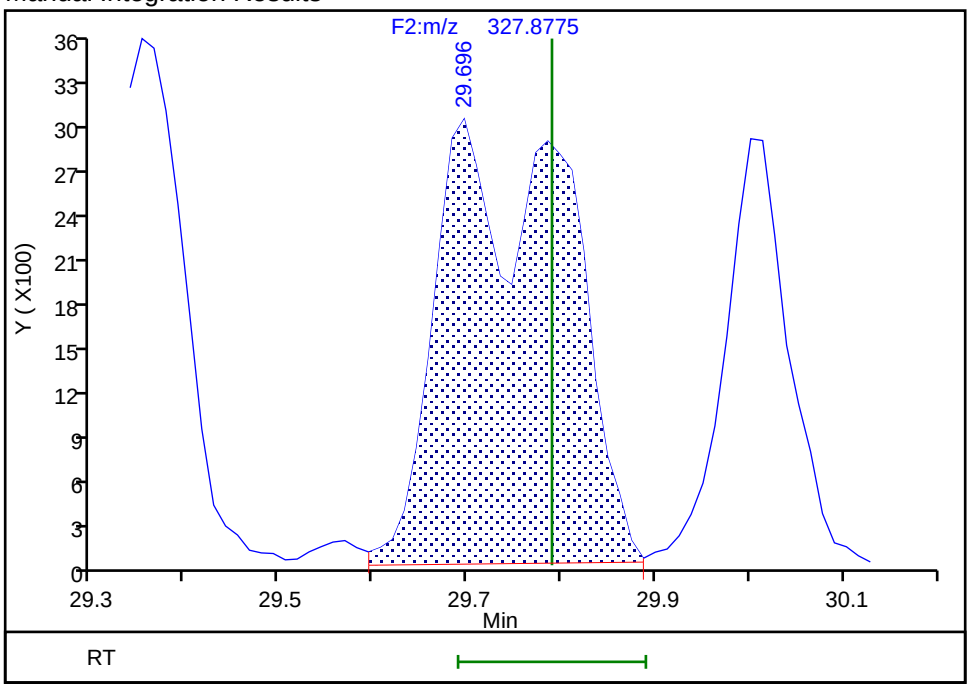
Processing Integration Results

RT: 29.79
Area: 14195
Amount: 1.689340
Amount Units: pg/ul




Manual Integration Results

RT: 29.70
Area: 28388
Amount: 2.039663
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:10:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

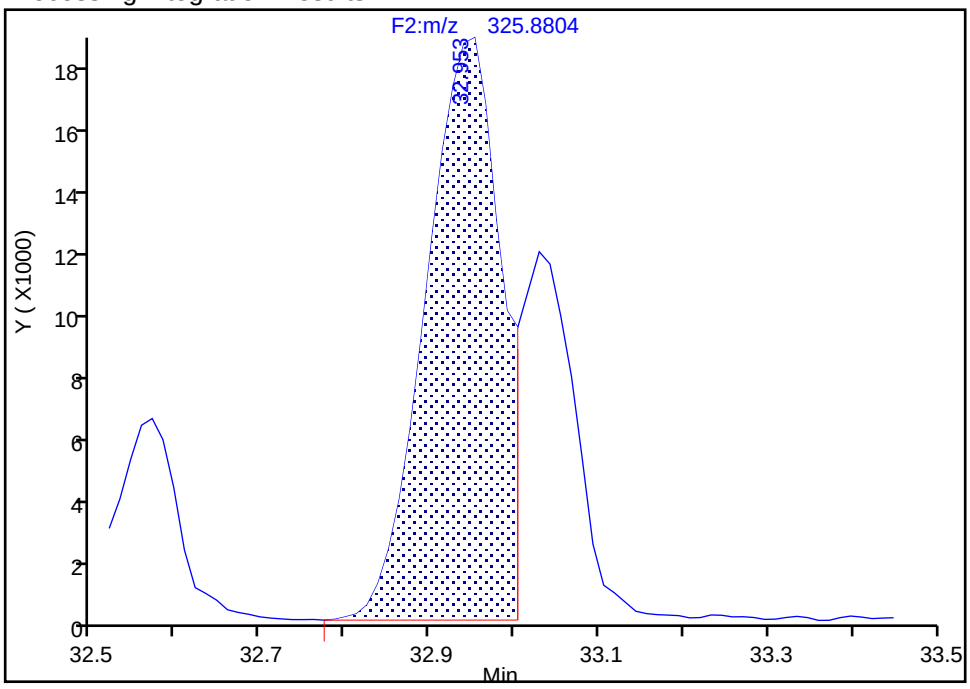
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

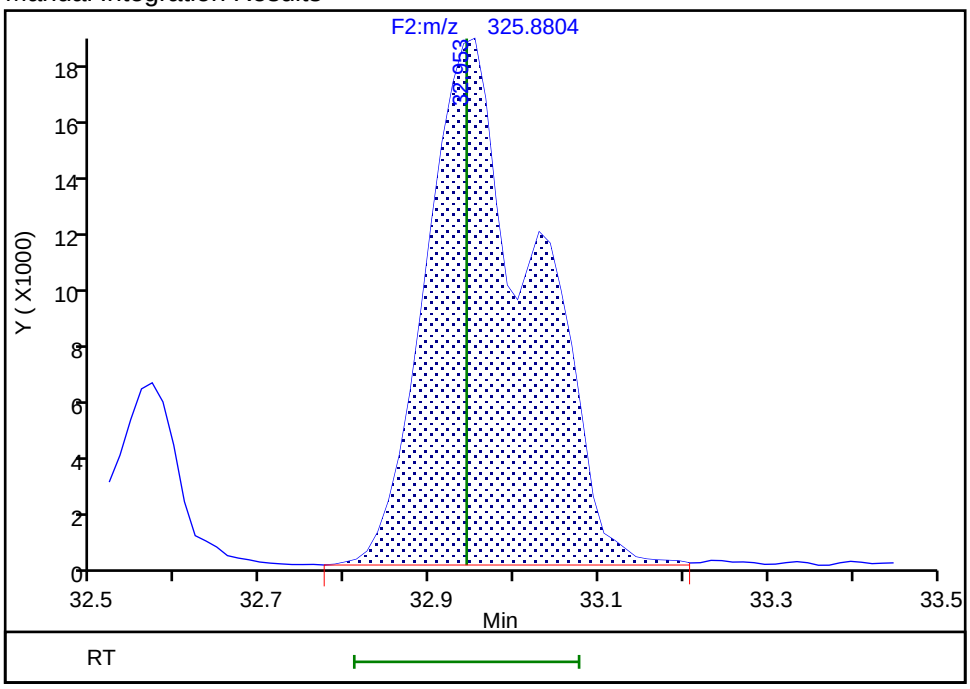
Processing Integration Results

RT: 32.95
Area: 111457
Amount: 5.594578
Amount Units: pg/ul




Manual Integration Results

RT: 32.95
Area: 161850
Amount: 6.002576
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:11:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

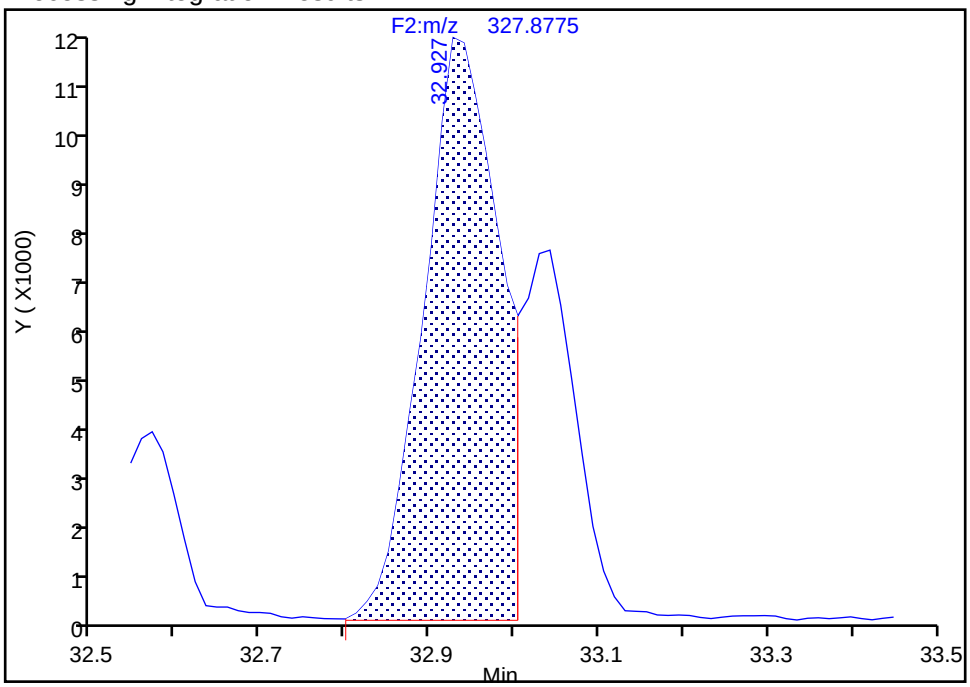
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

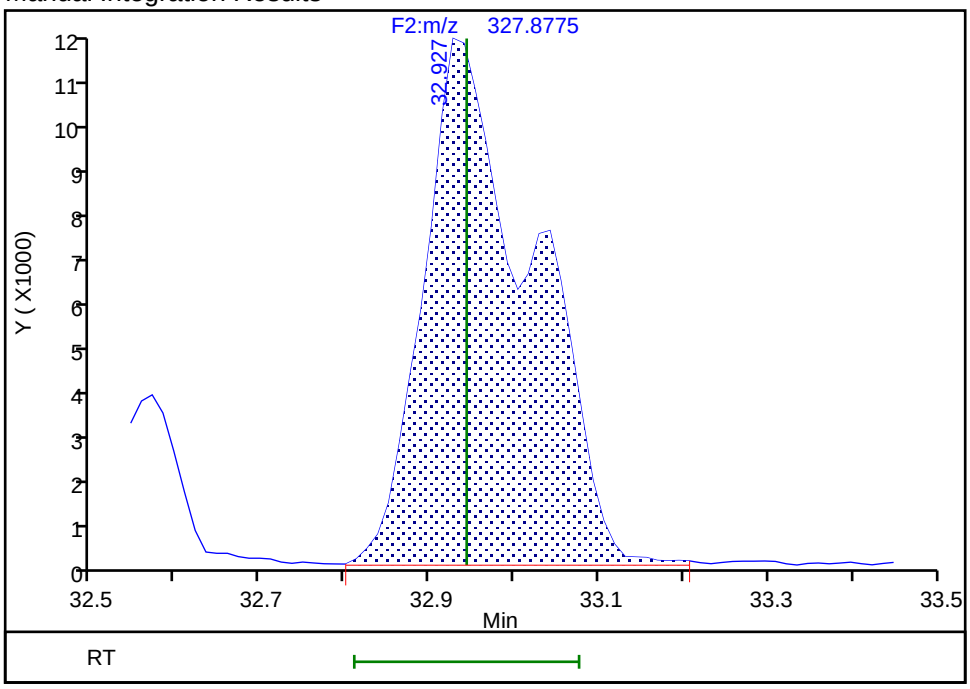
Processing Integration Results

RT: 32.93
Area: 69506
Amount: 5.594578
Amount Units: pg/ul




Manual Integration Results

RT: 32.93
Area: 101324
Amount: 6.002576
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:11:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

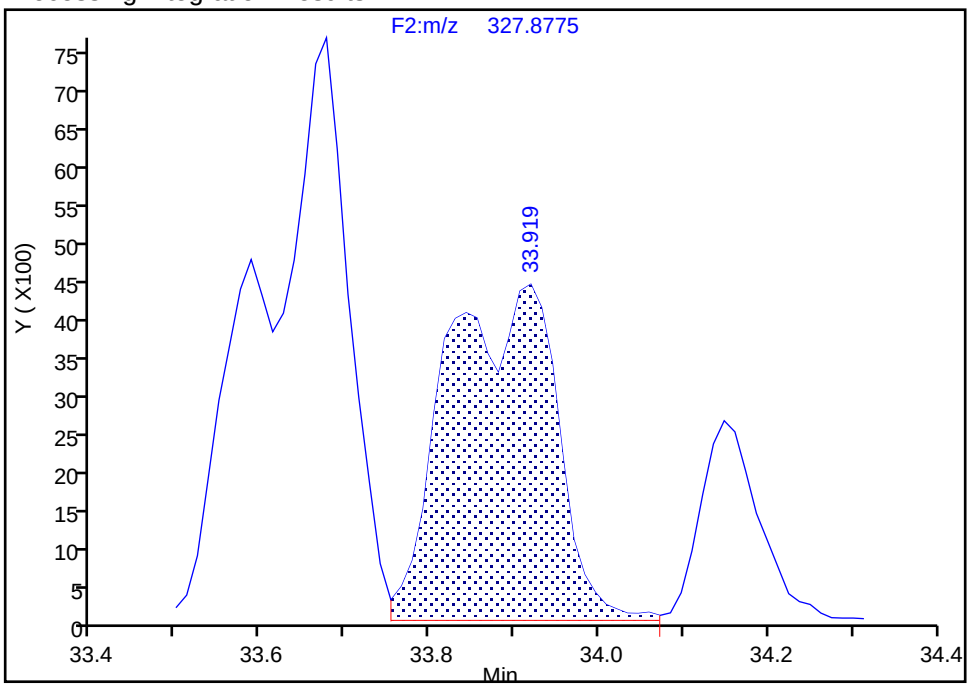
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 2

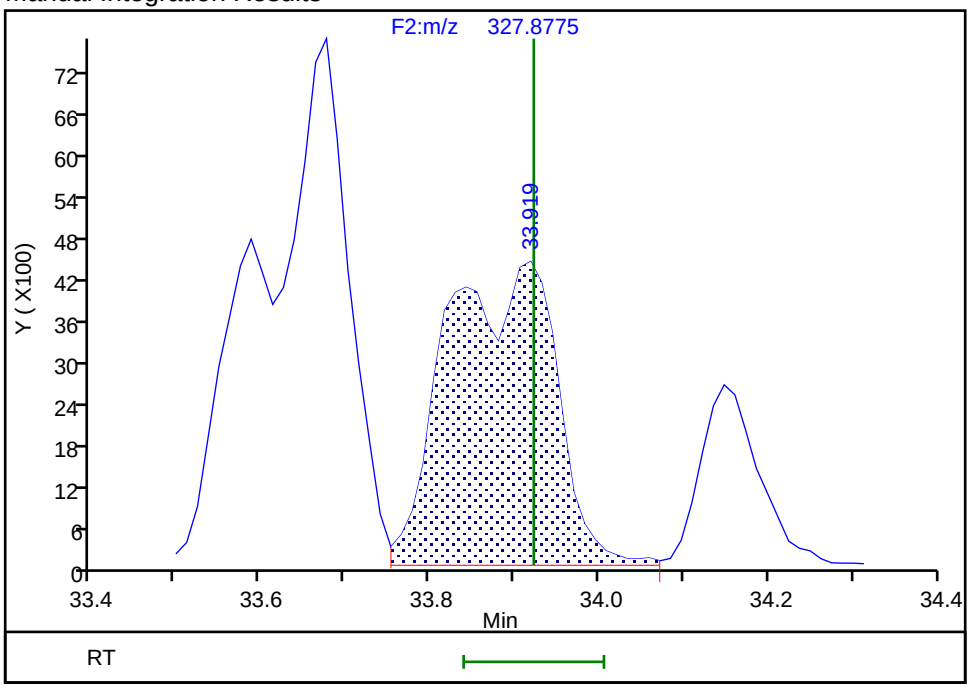
Processing Integration Results

RT: 33.92
Area: 39917
Amount: 1.490597
Amount Units: pg/ul




Manual Integration Results

RT: 33.92
Area: 39917
Amount: 2.058154
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:11:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

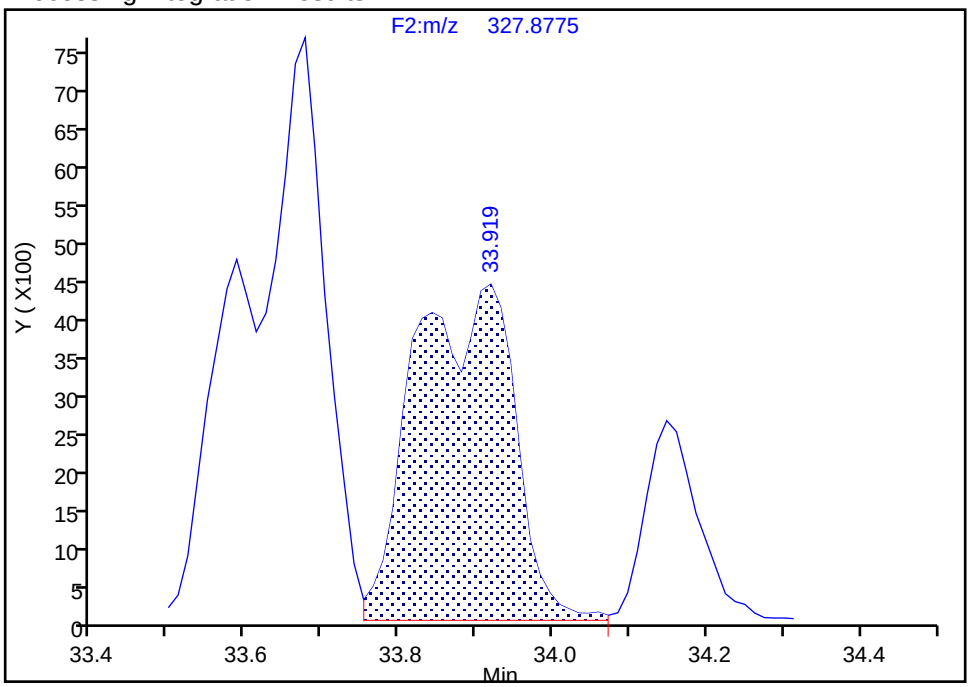
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 3

Processing Integration Results

RT: 33.92
Area: 70300
Amount: 1.490597
Amount Units: pg/ul




Manual Integration Results

RT: 33.84
Area: 101957
Amount: 2.058154
Amount Units: pg/ul
Reviewer: davidsonm, 21-Aug-2019 16:11:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

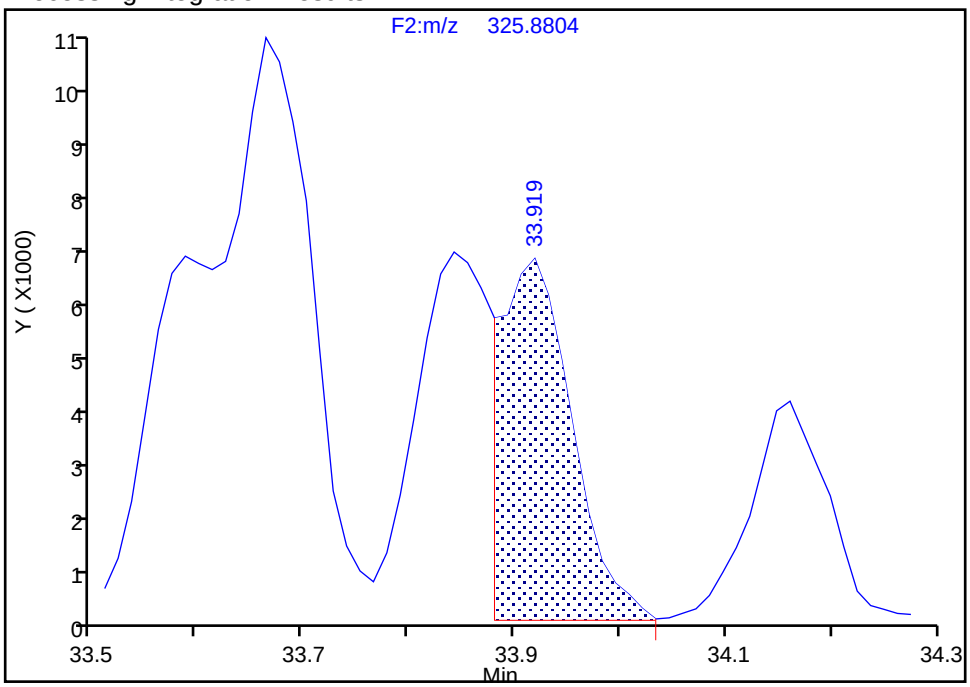
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 1

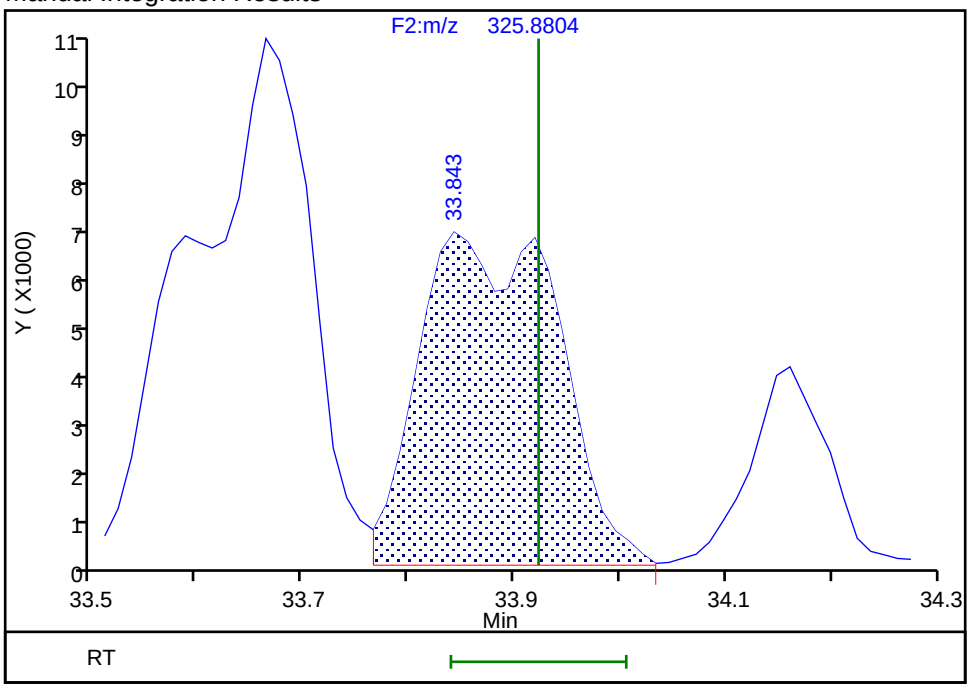
Processing Integration Results

RT: 33.92
Area: 30383
Amount: 1.490597
Amount Units: pg/ul




Manual Integration Results

RT: 33.84
Area: 62040
Amount: 2.058154
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:11:52
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 30-Aug-2019 11:36:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

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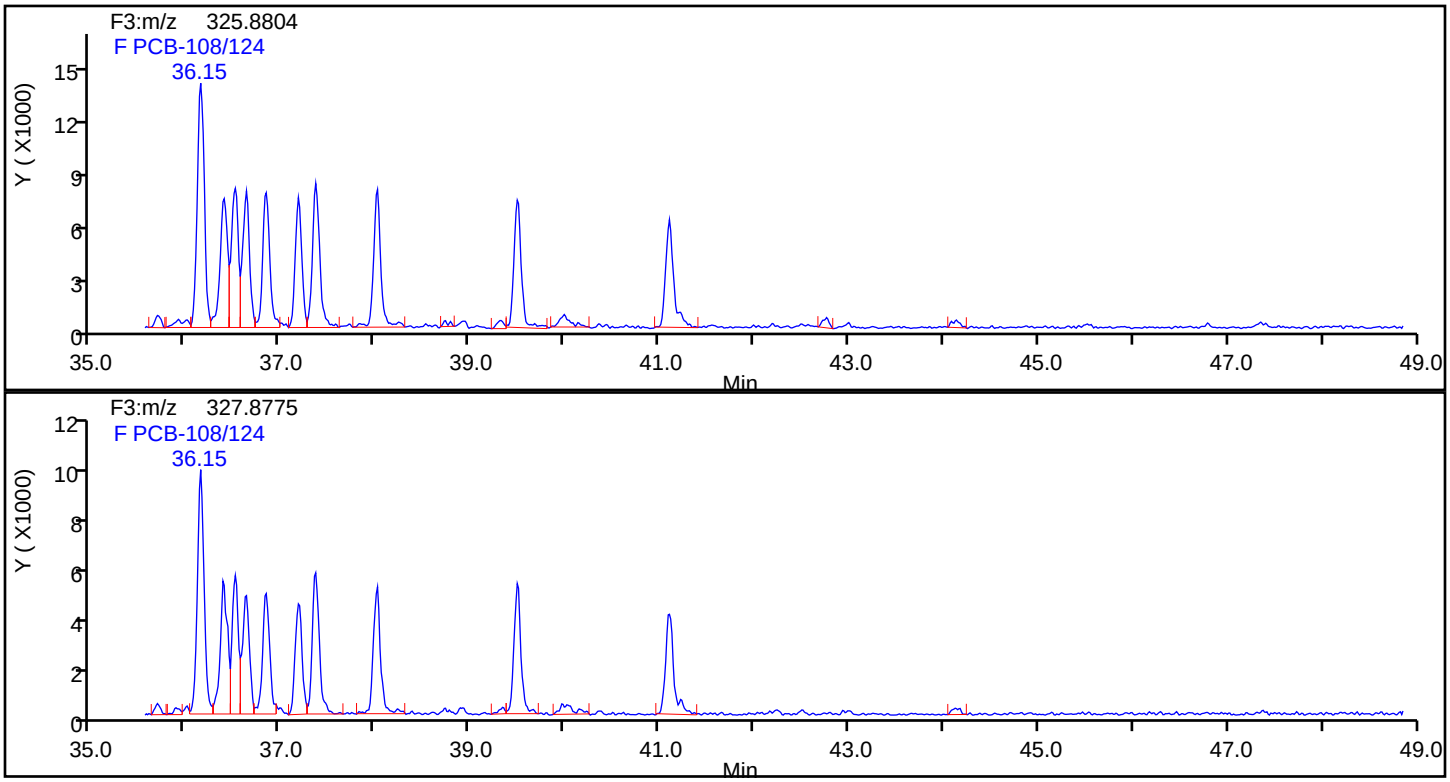
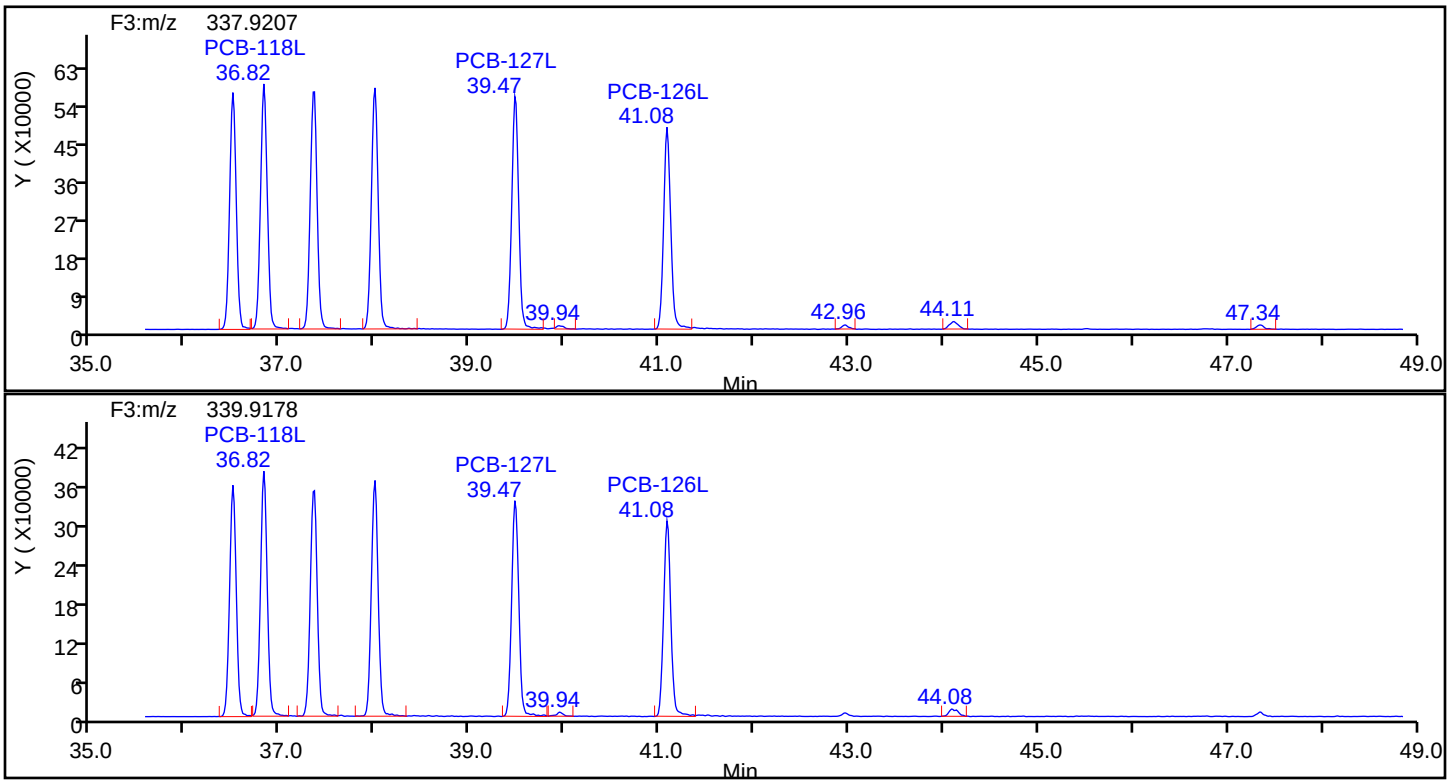
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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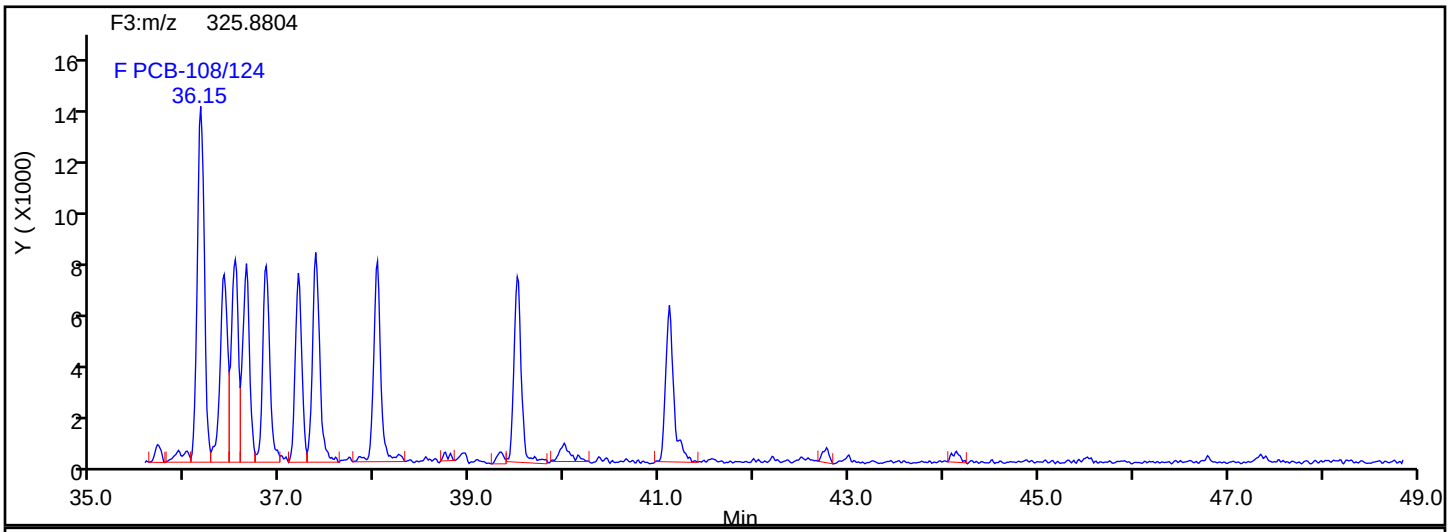
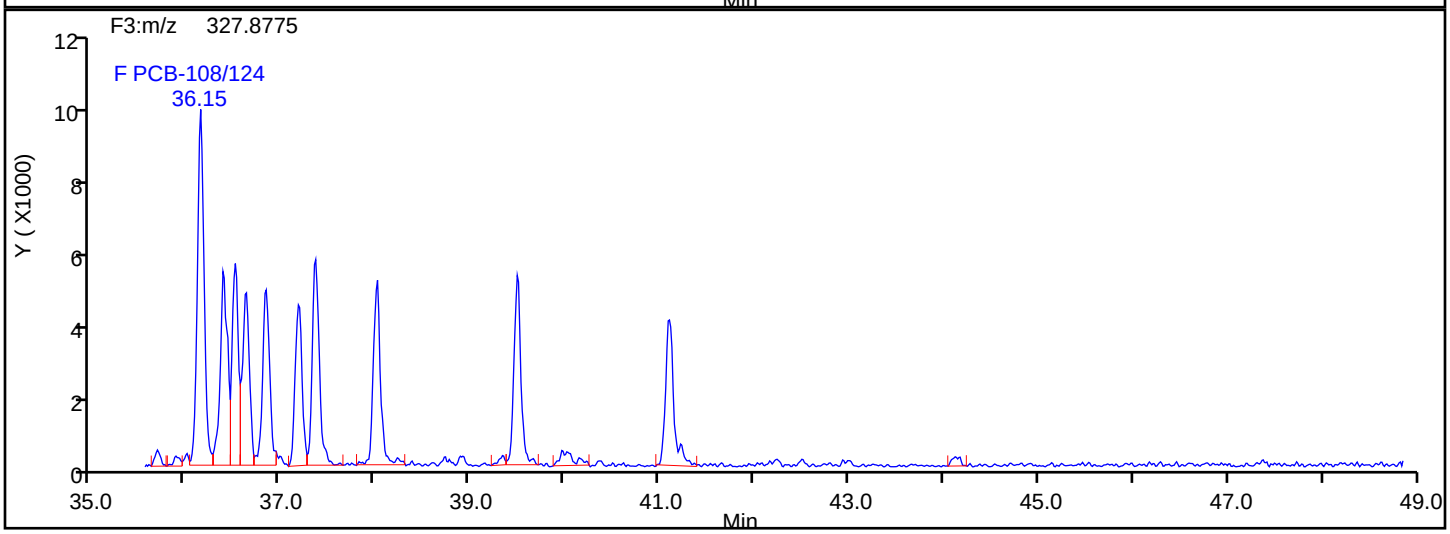
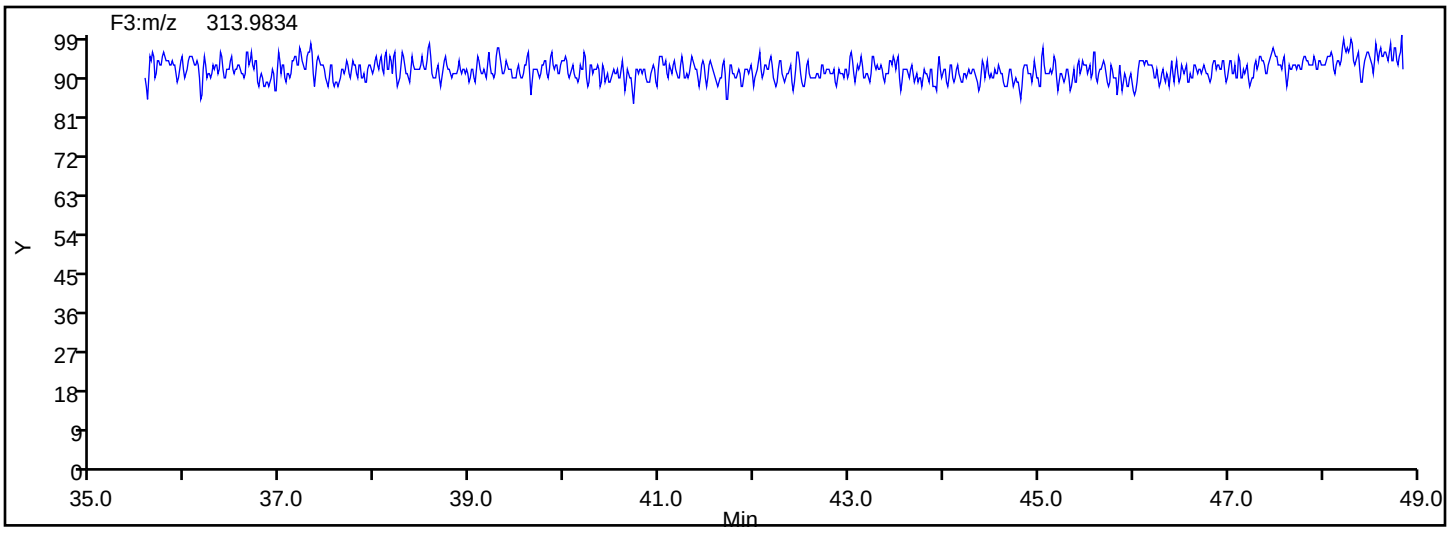
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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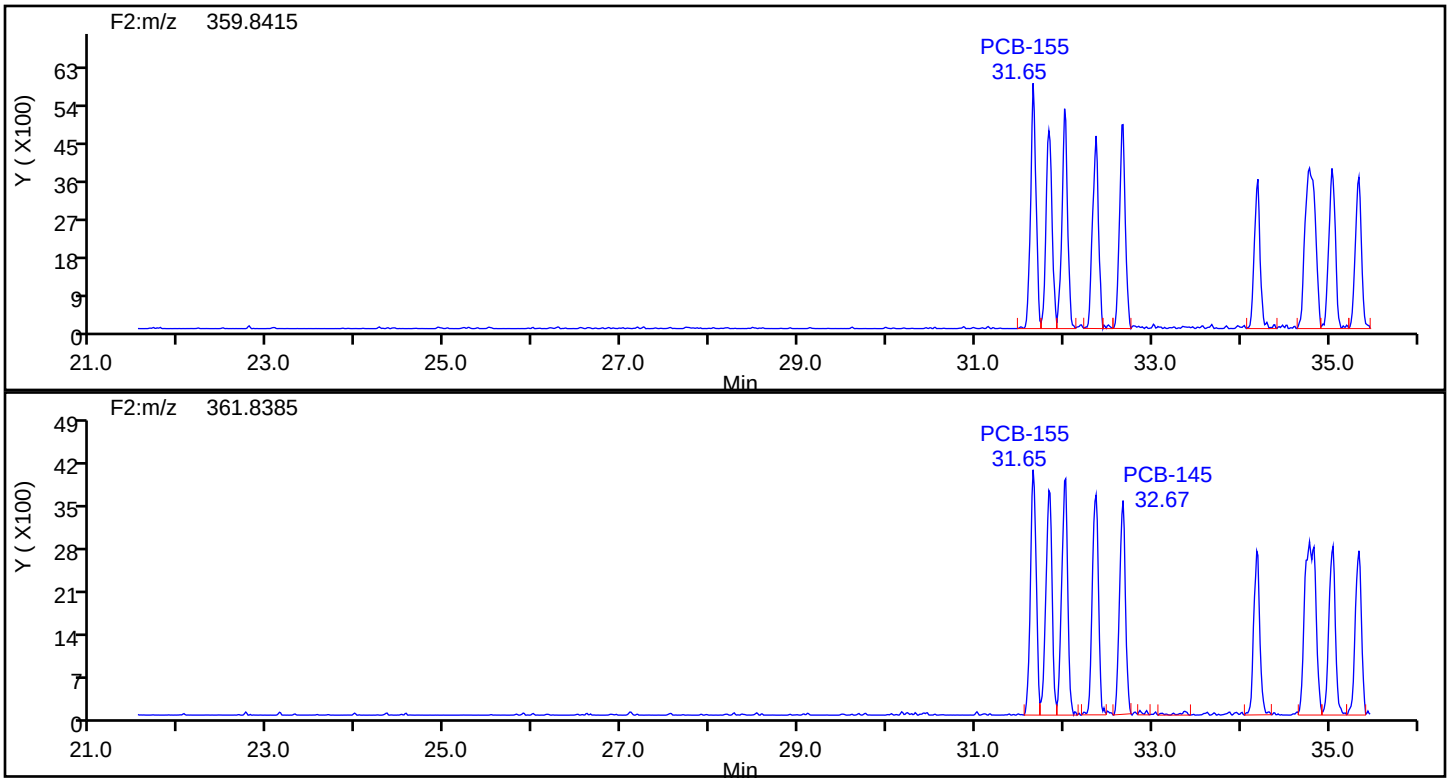
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

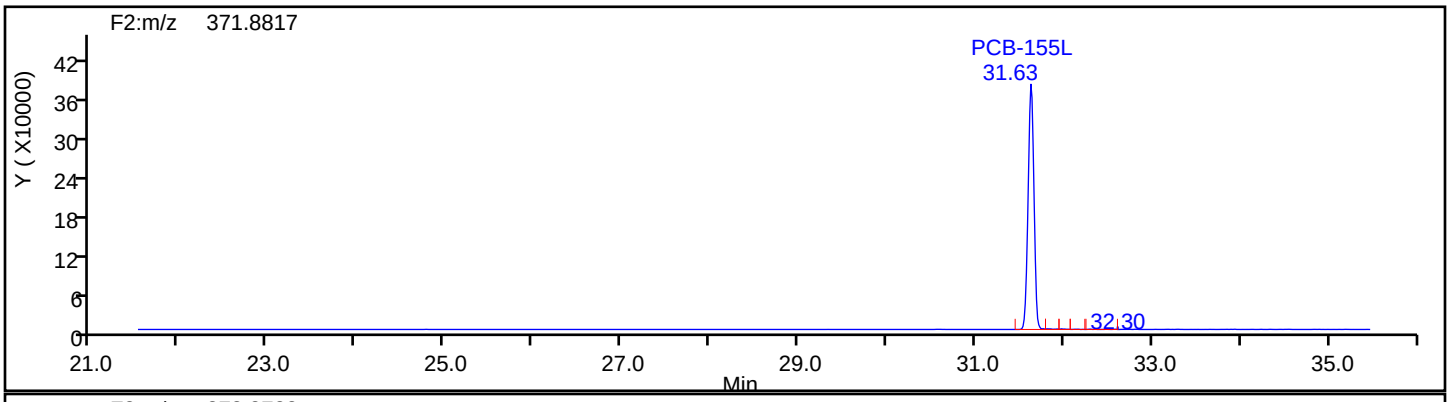
HxPCB F2

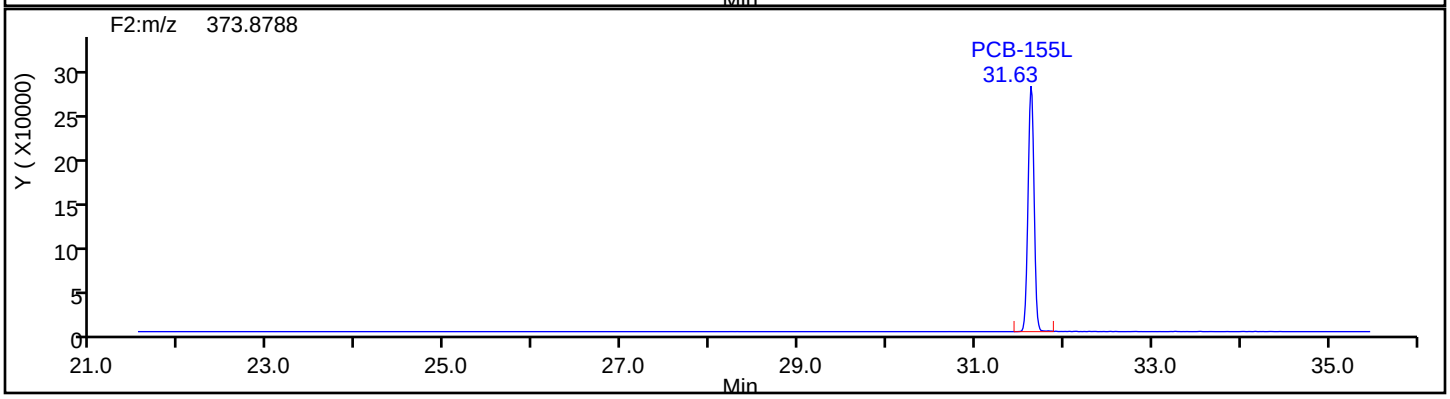






HxPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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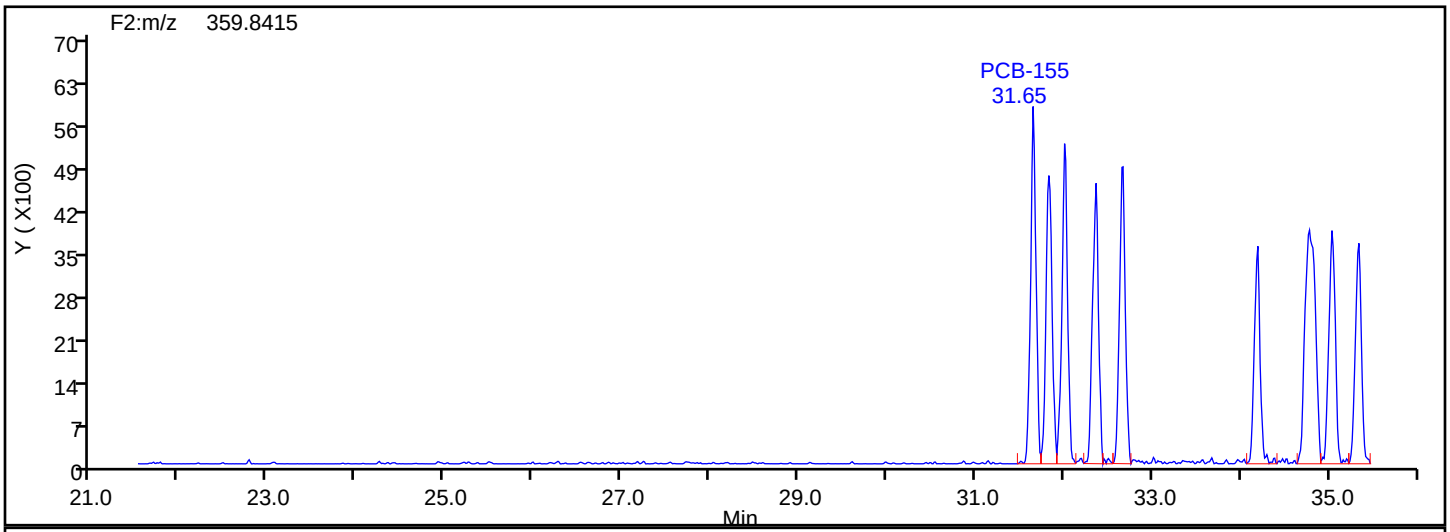
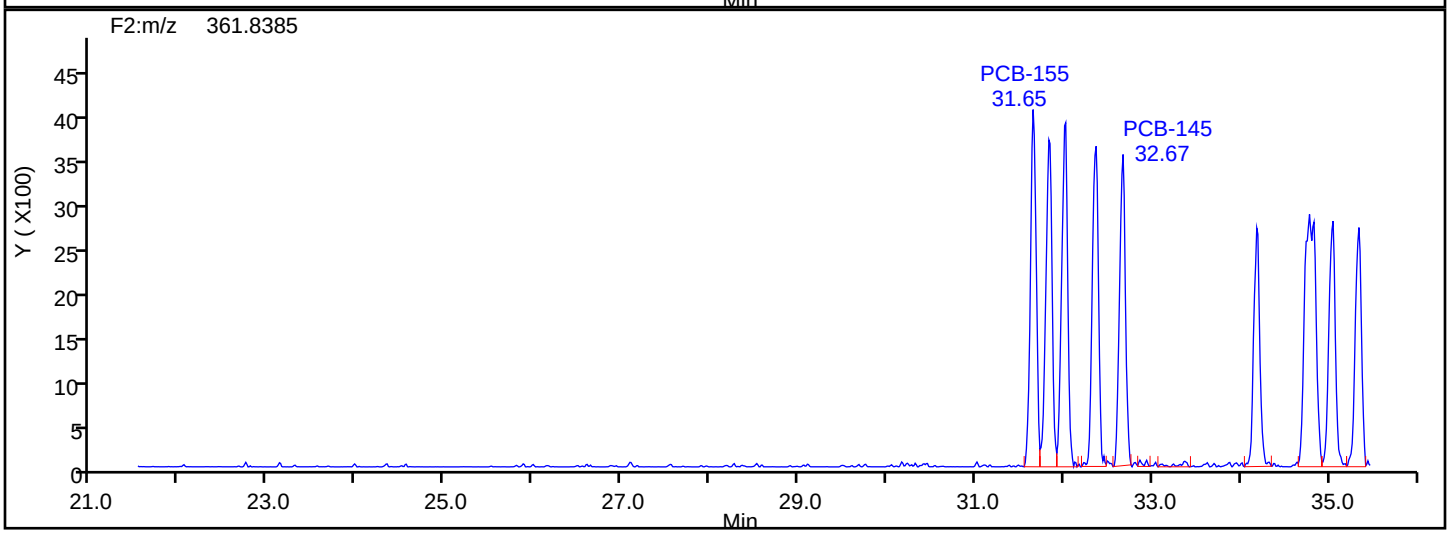
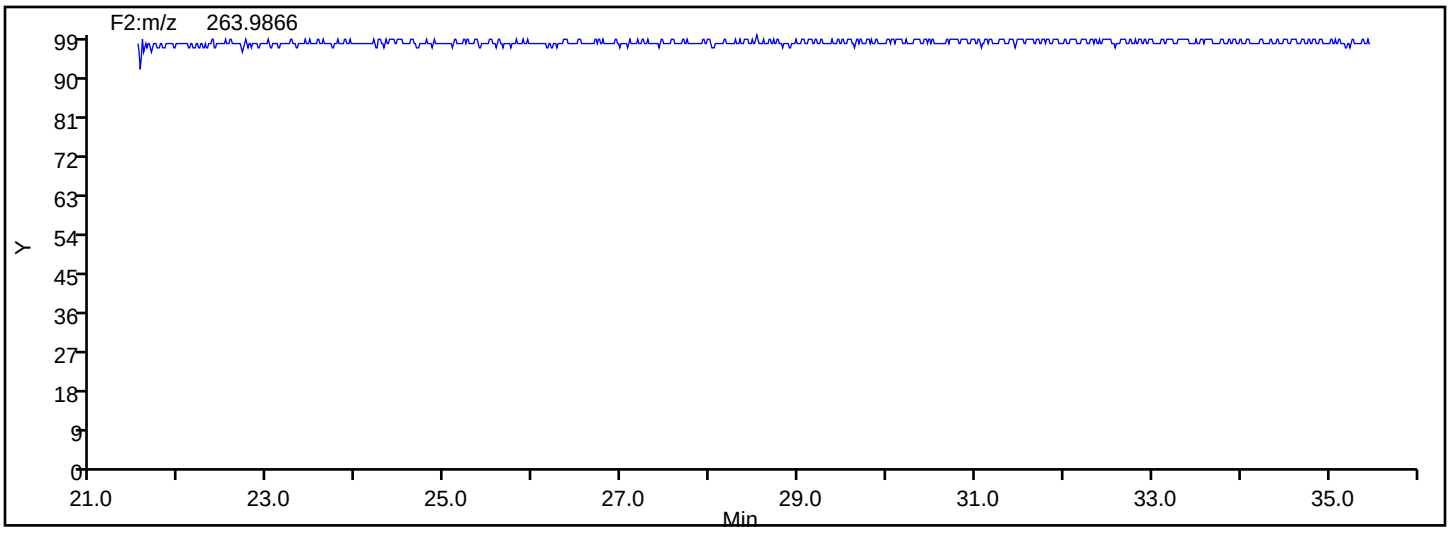
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



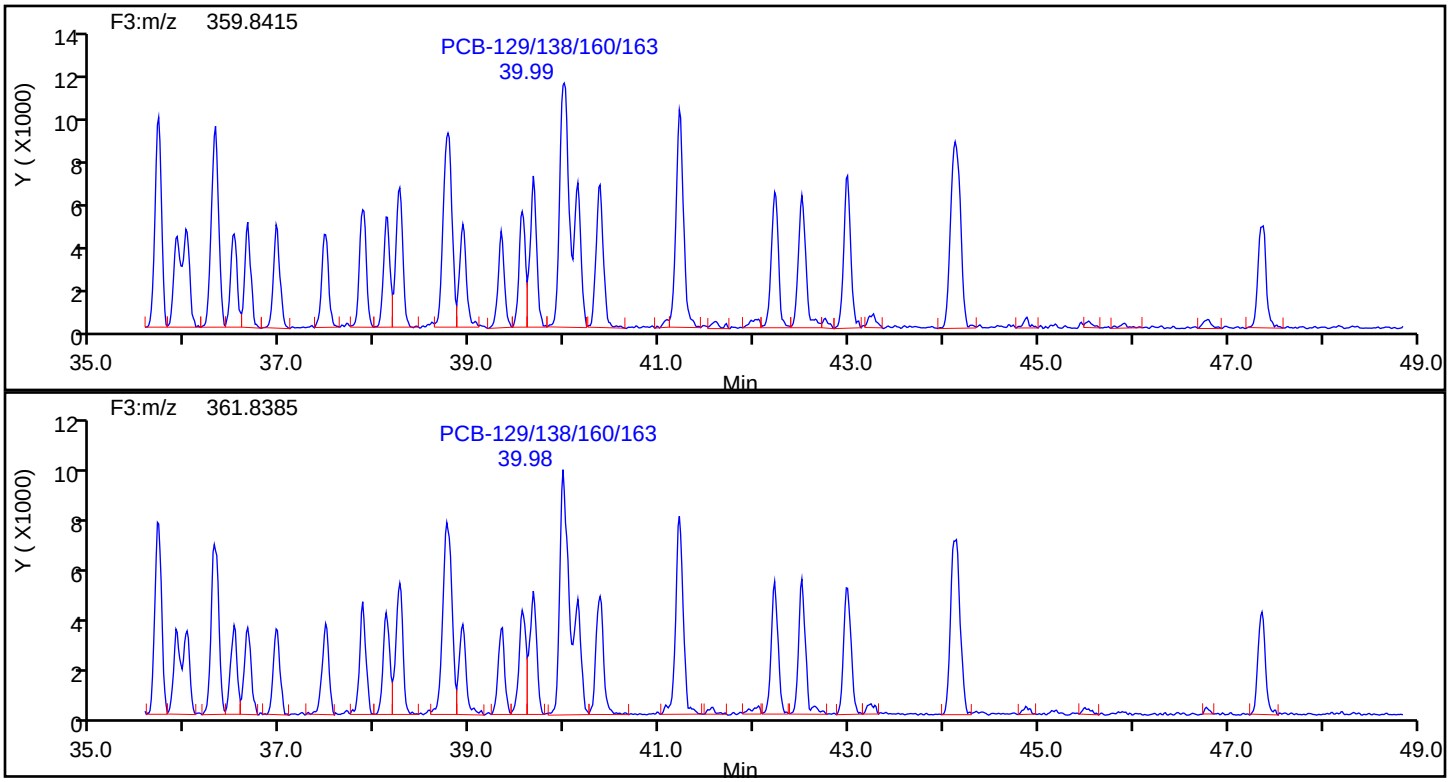

HxPCB F2 Lock Mass



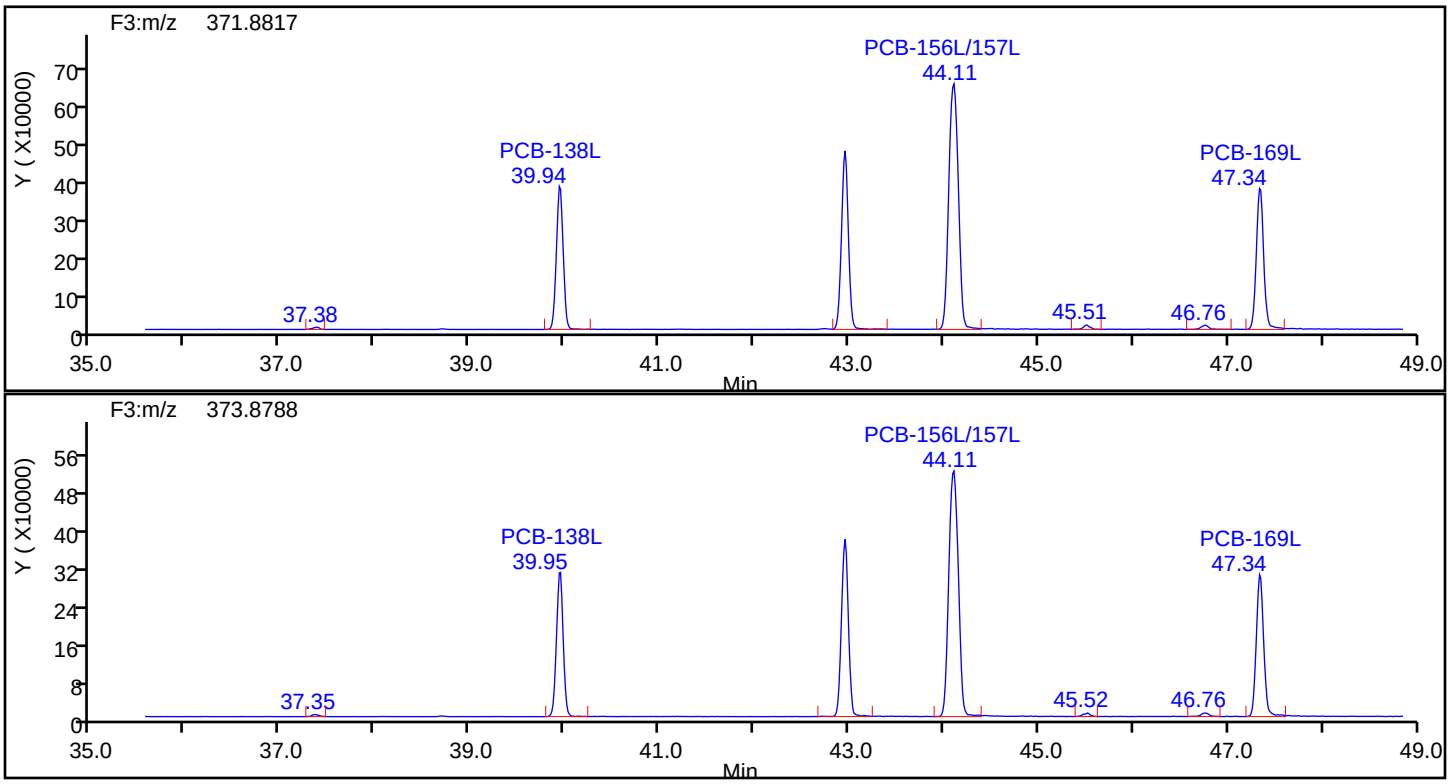
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



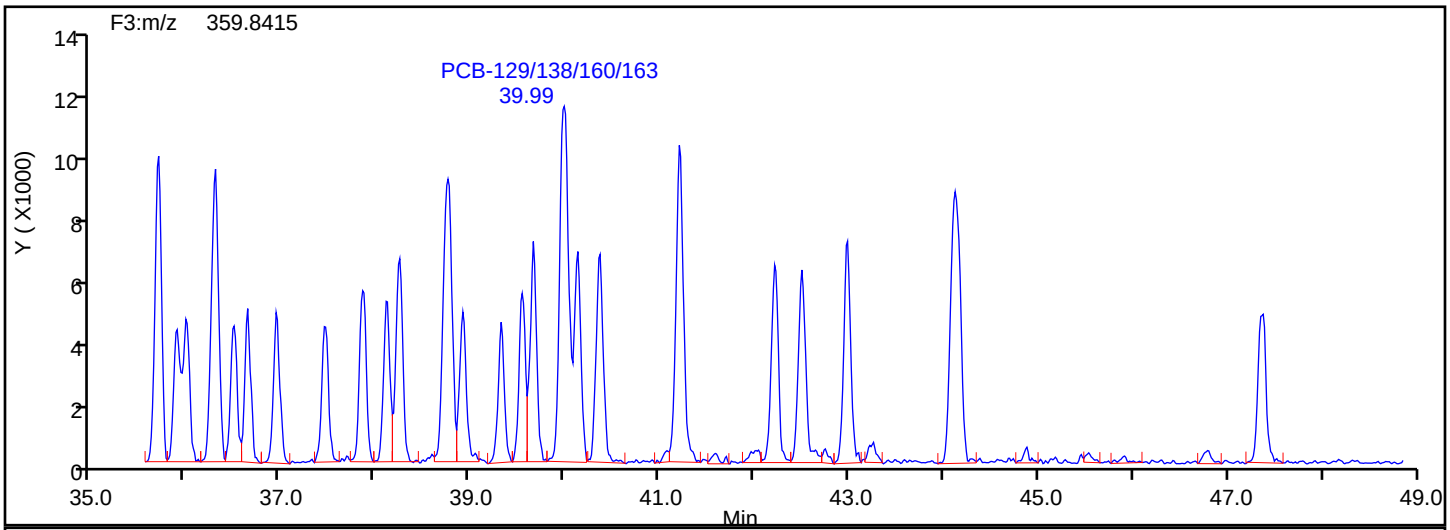

HxPCB F3 Standards

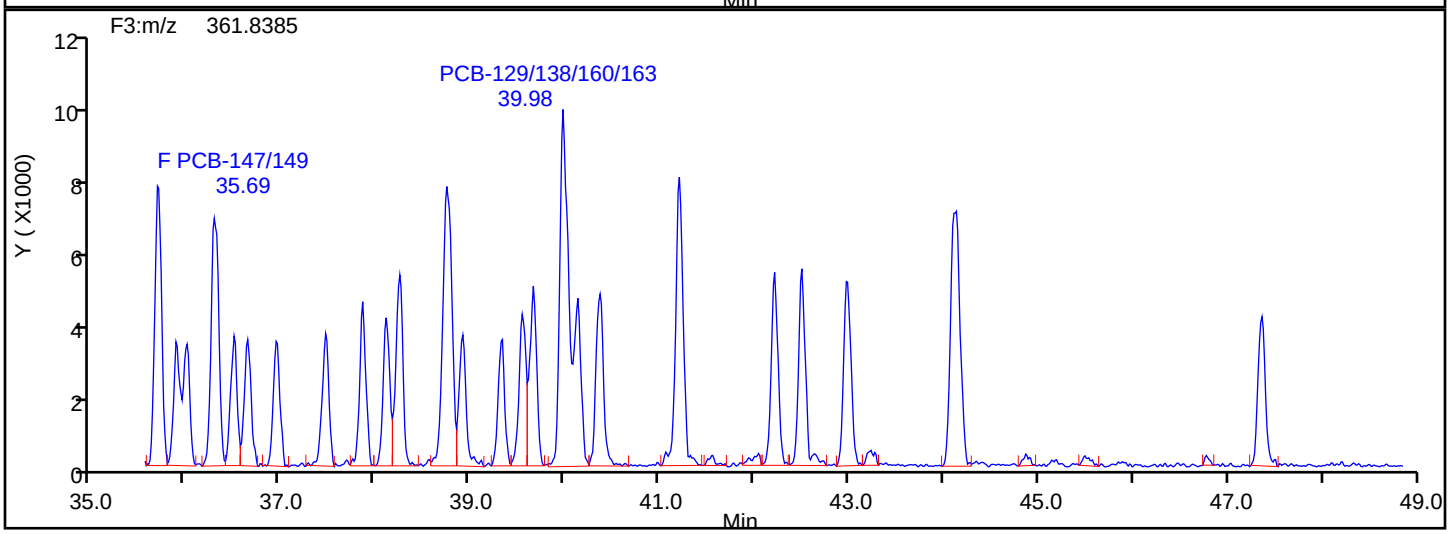


Eurofins TestAmerica, Knoxville

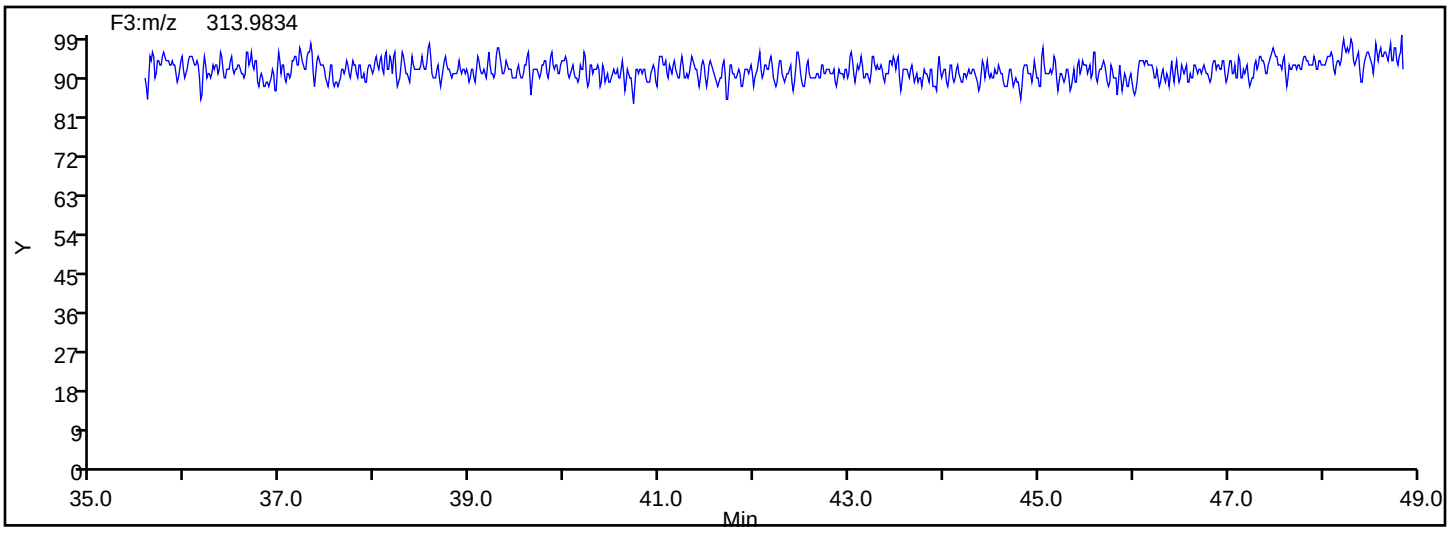
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

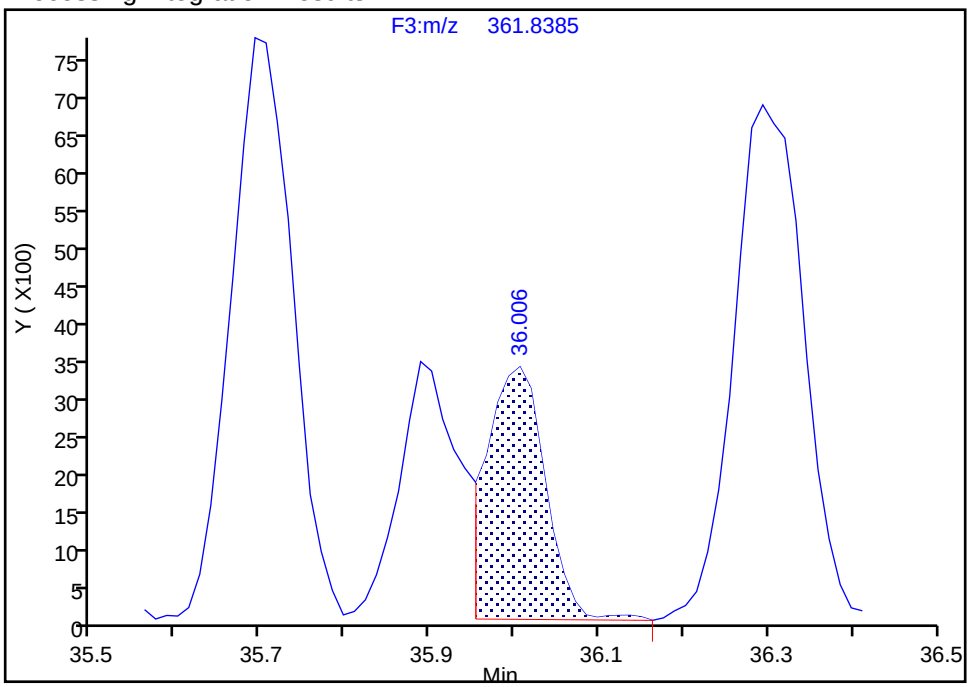
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 2

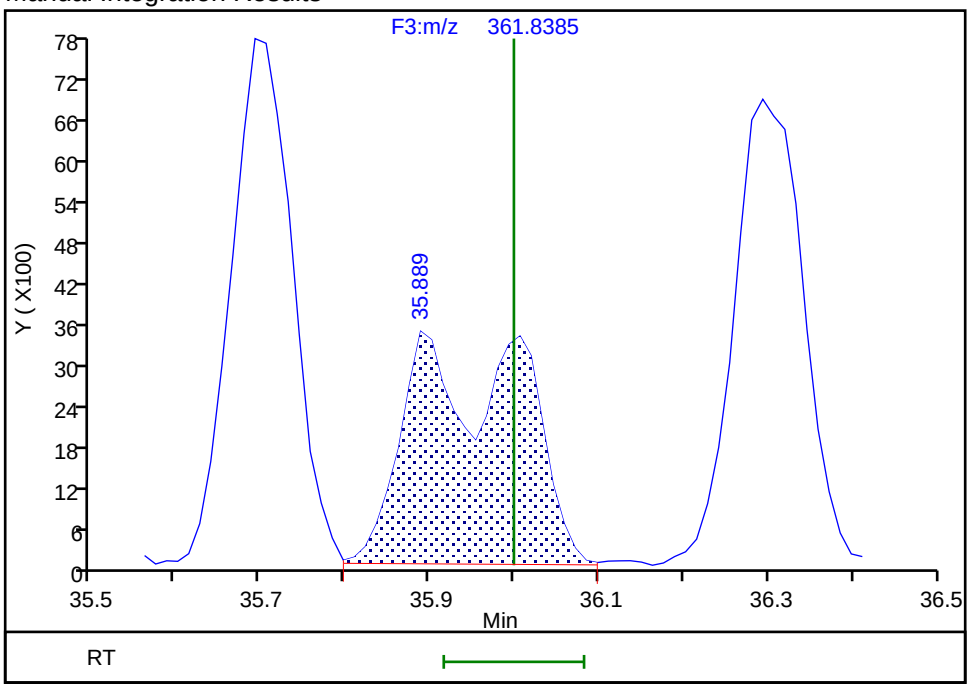
Processing Integration Results

RT: 36.01
Area: 15613
Amount: 1.766346
Amount Units: pg/ul




Manual Integration Results

RT: 35.89
Area: 31663
Amount: 2.116126
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:12:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

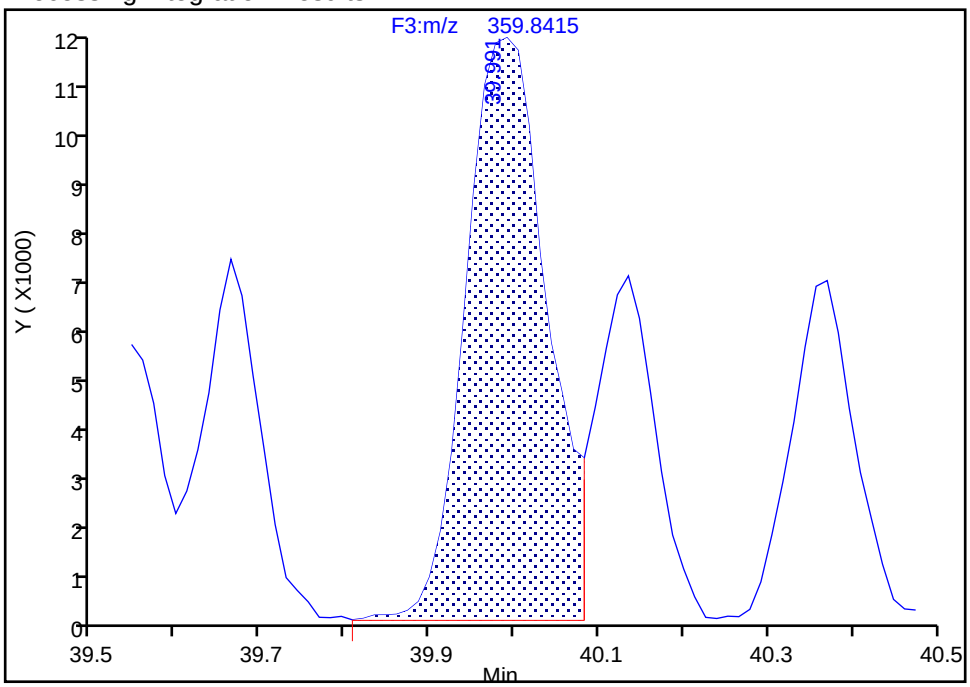
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

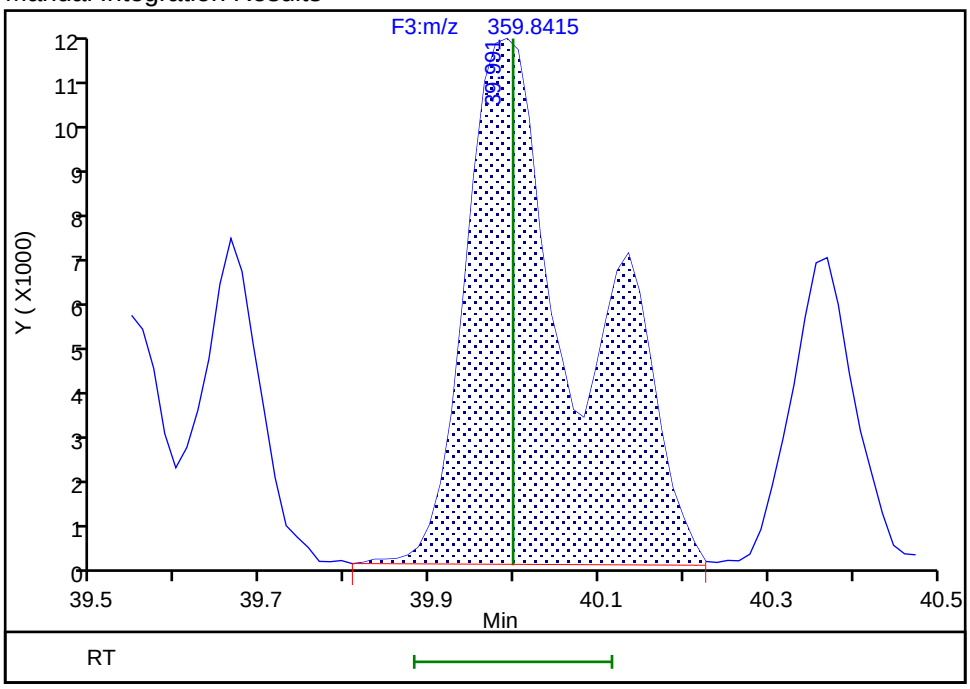
Processing Integration Results

RT: 39.99
Area: 74270
Amount: 3.901257
Amount Units: pg/ul




Manual Integration Results

RT: 39.99
Area: 105556
Amount: 4.265842
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:13:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

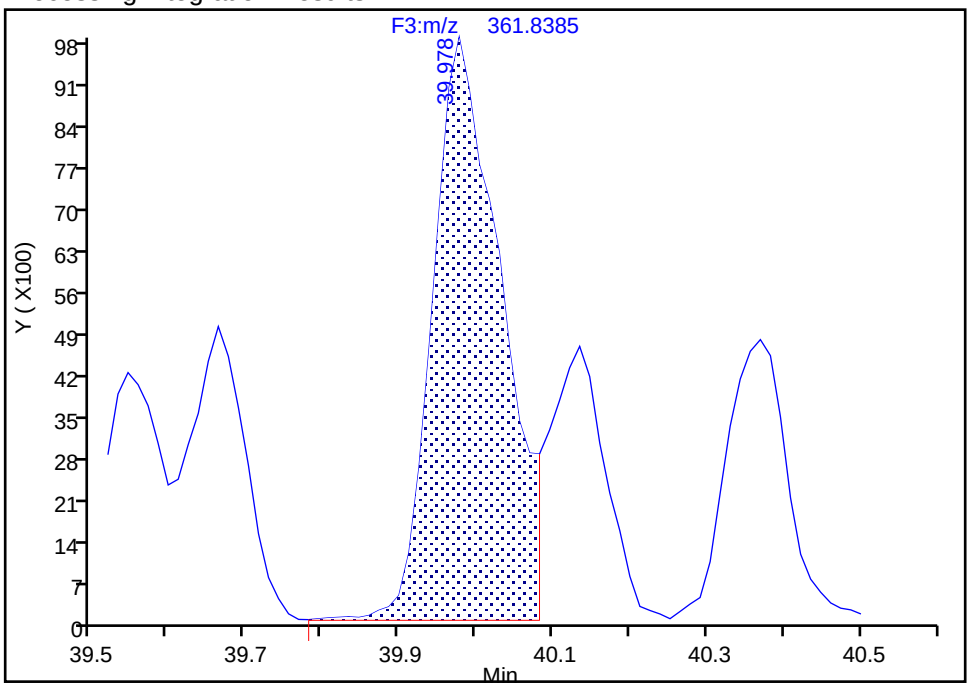
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

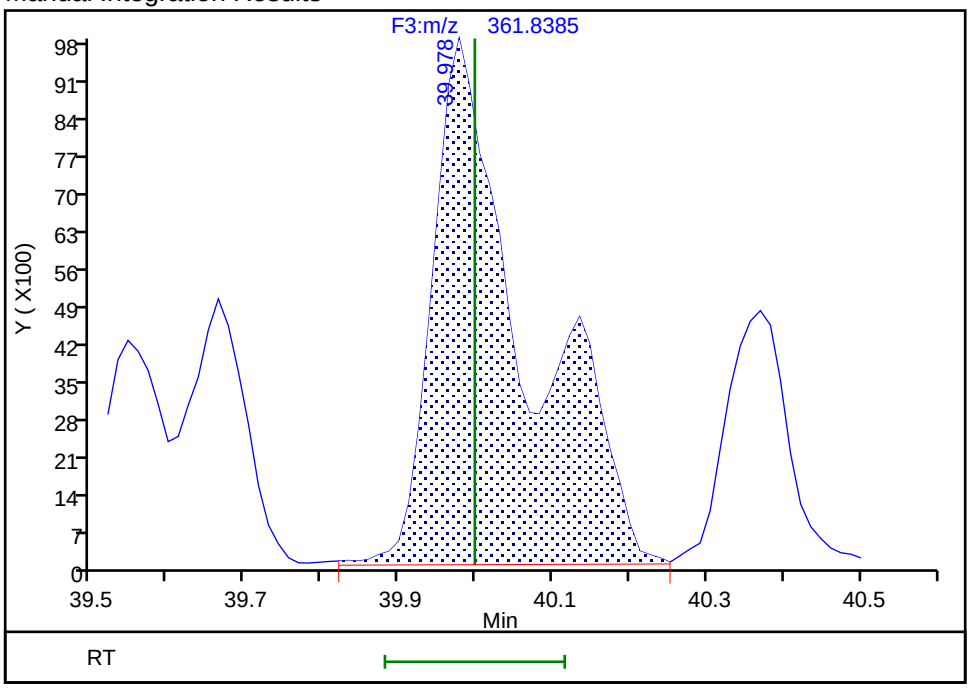
Processing Integration Results

RT: 39.98
Area: 60171
Amount: 3.901257
Amount Units: pg/ul




Manual Integration Results

RT: 39.98
Area: 83309
Amount: 4.265842
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:13:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 30-Aug-2019 11:36:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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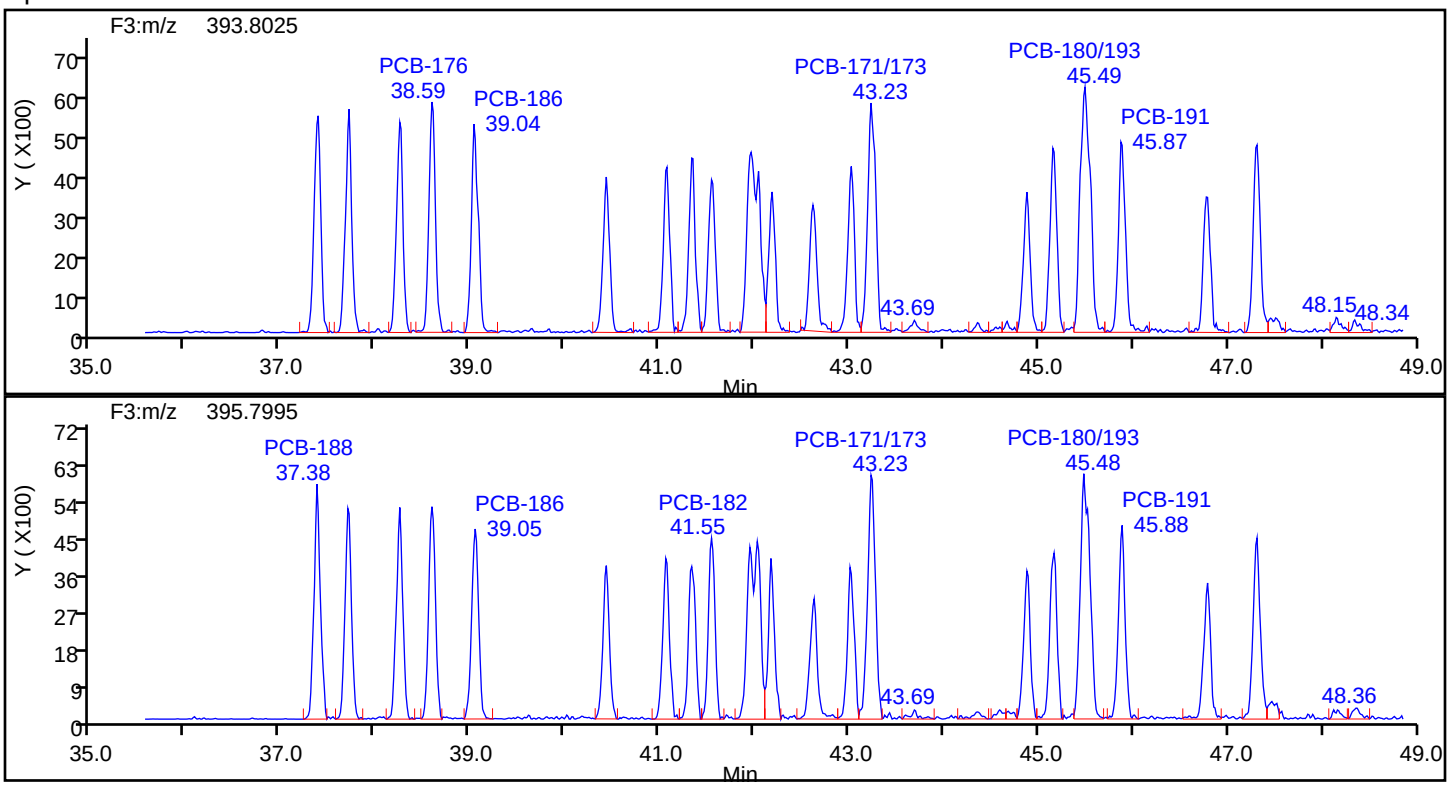
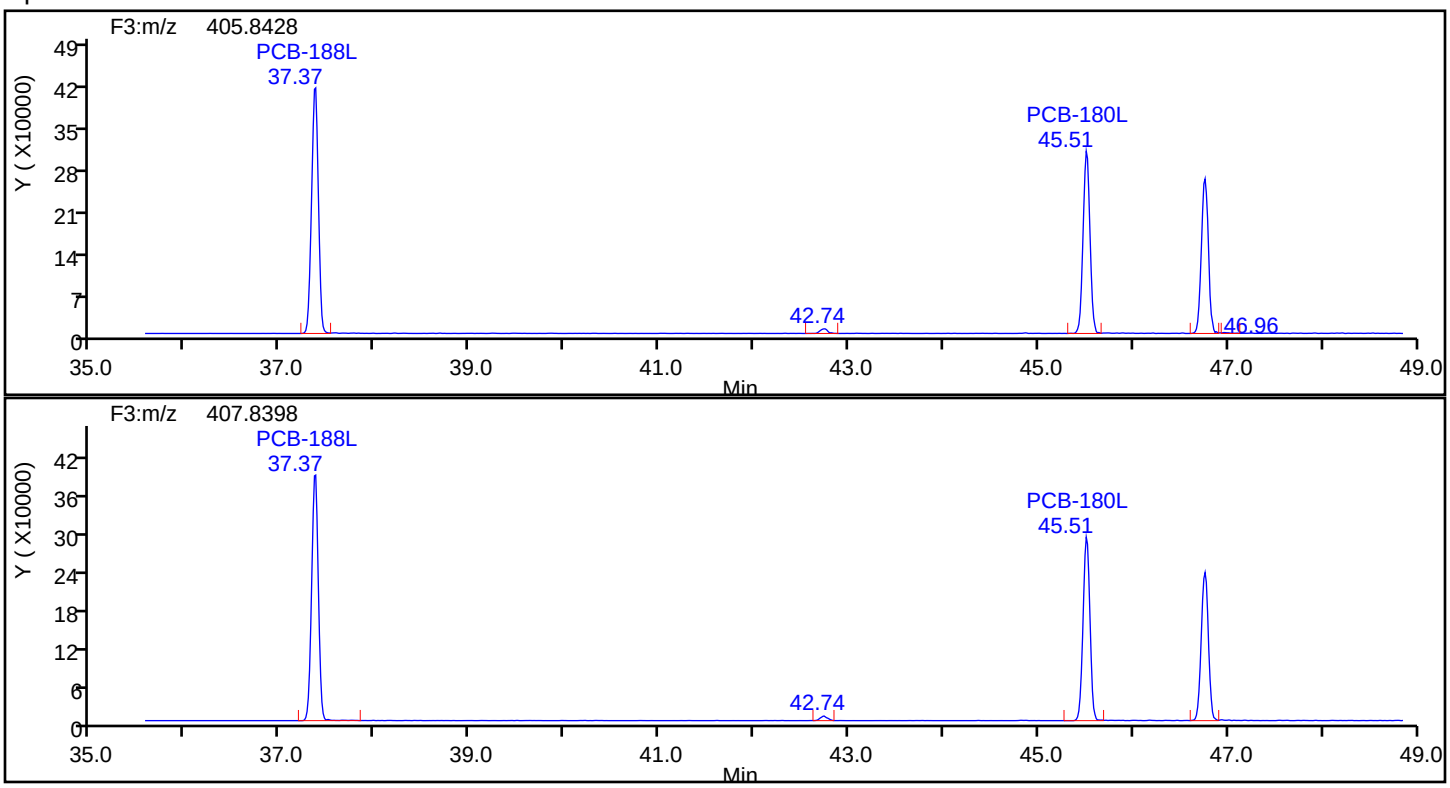
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



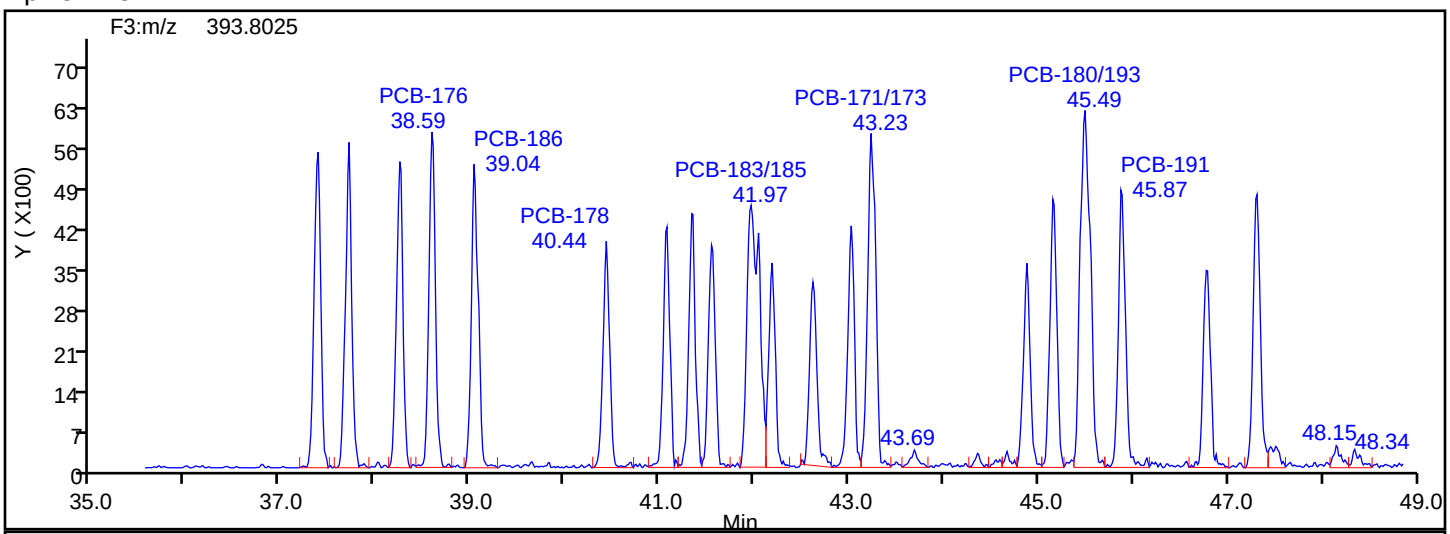

HpPCB F3 Standards

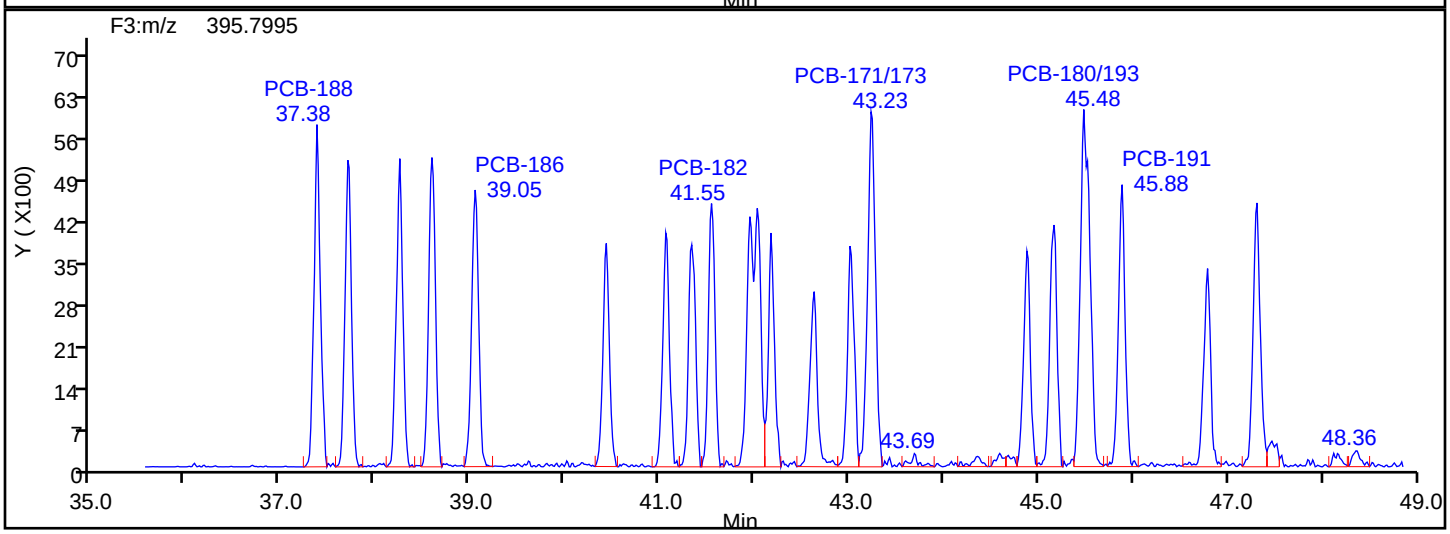


Eurofins TestAmerica, Knoxville

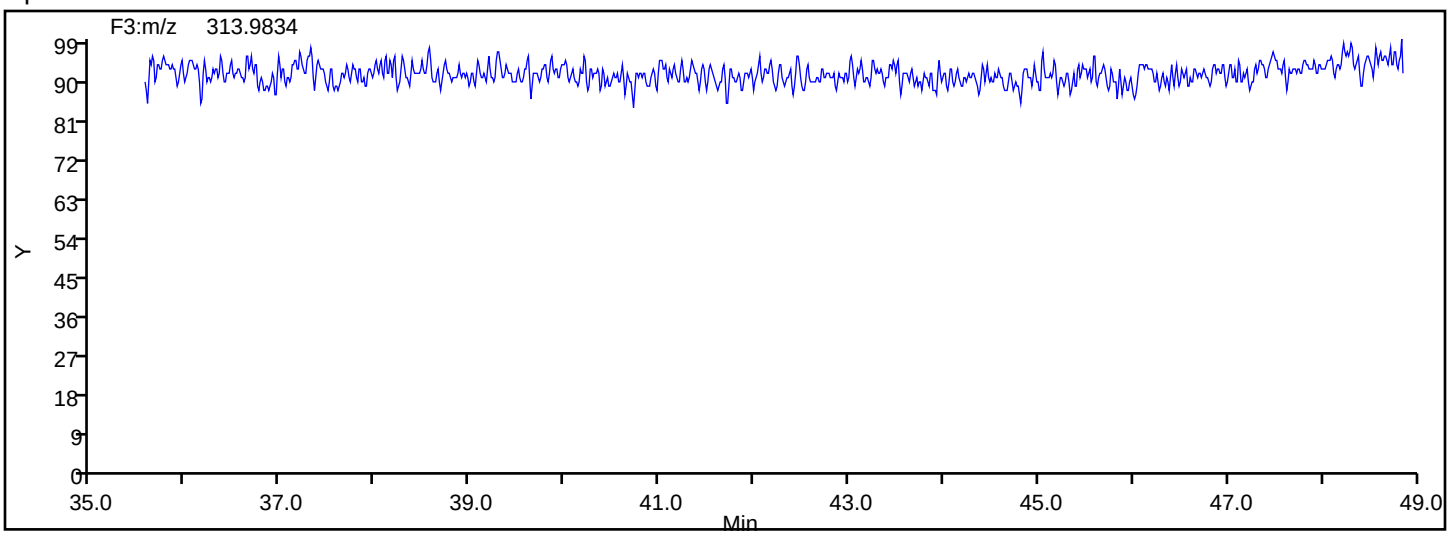
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

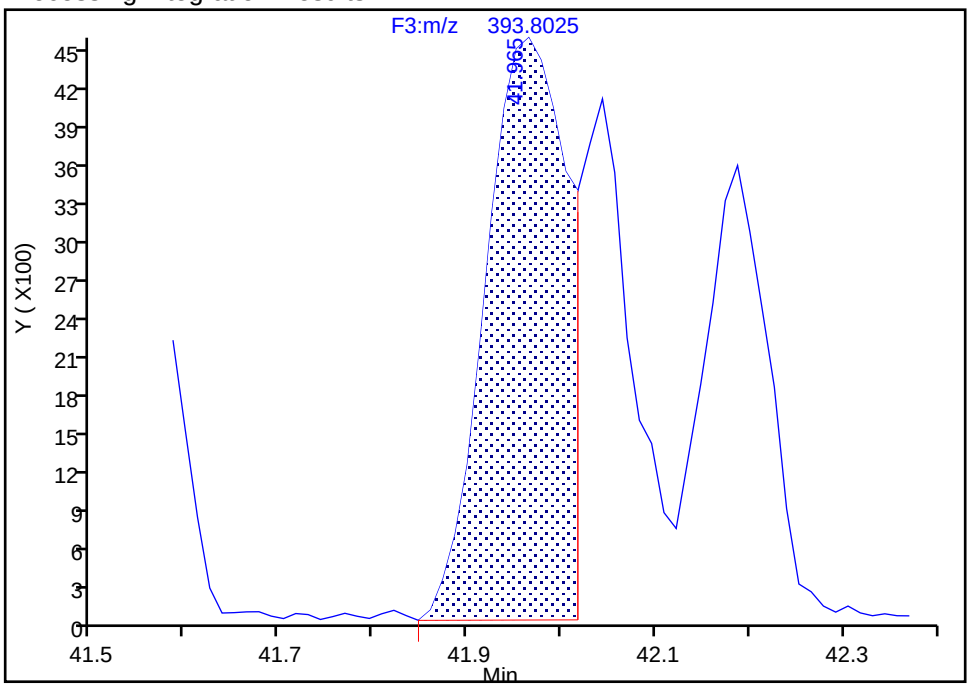
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 1

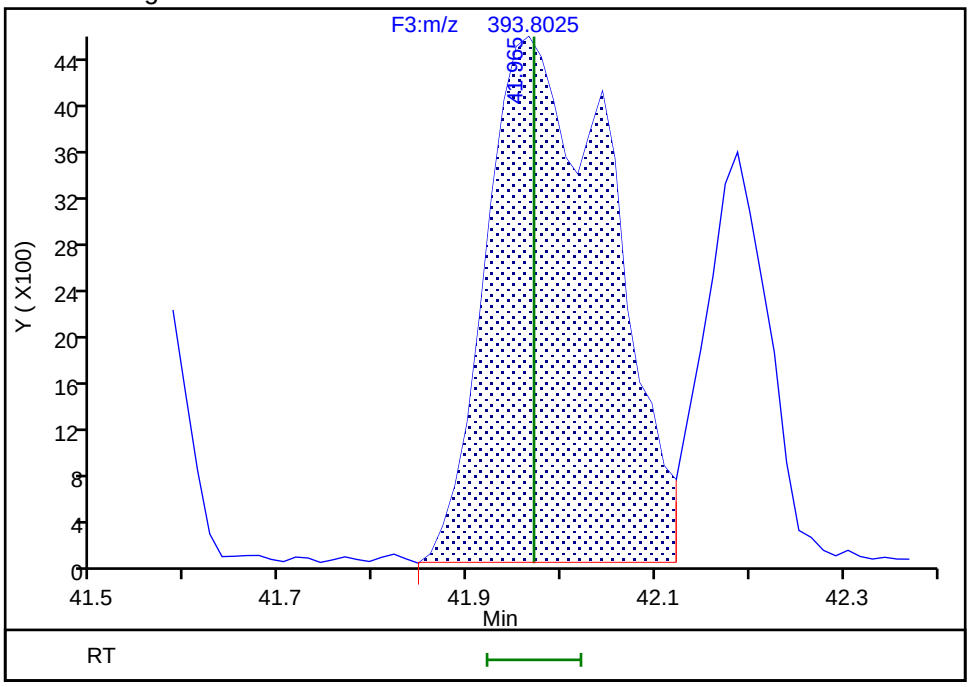
Processing Integration Results

RT: 41.97
Area: 26596
Amount: 1.949117
Amount Units: pg/ul




Manual Integration Results

RT: 41.97
Area: 41563
Amount: 2.169686
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:14:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

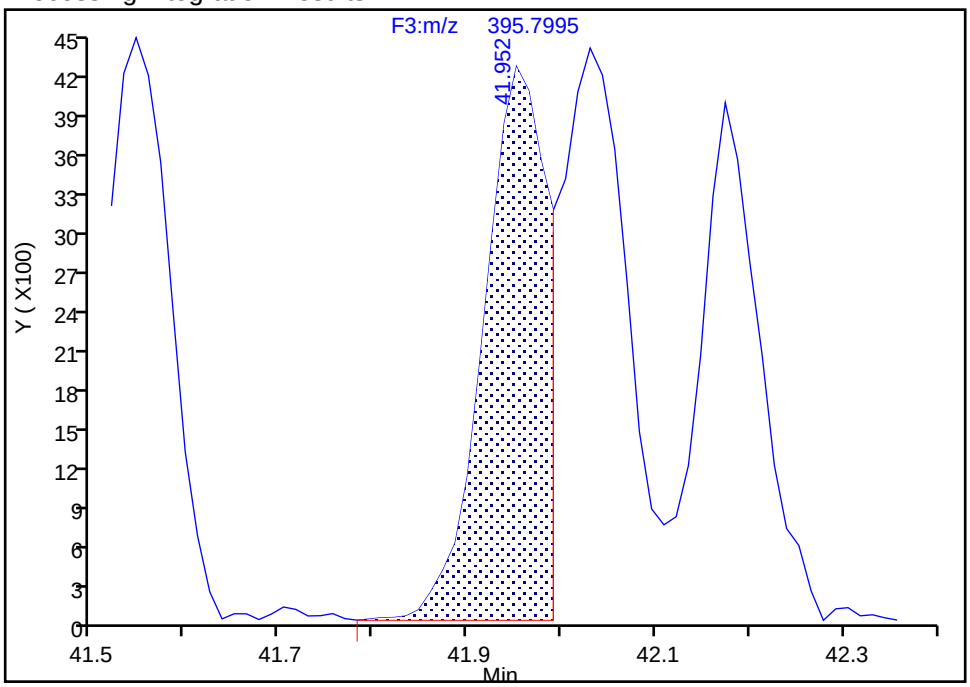
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 2

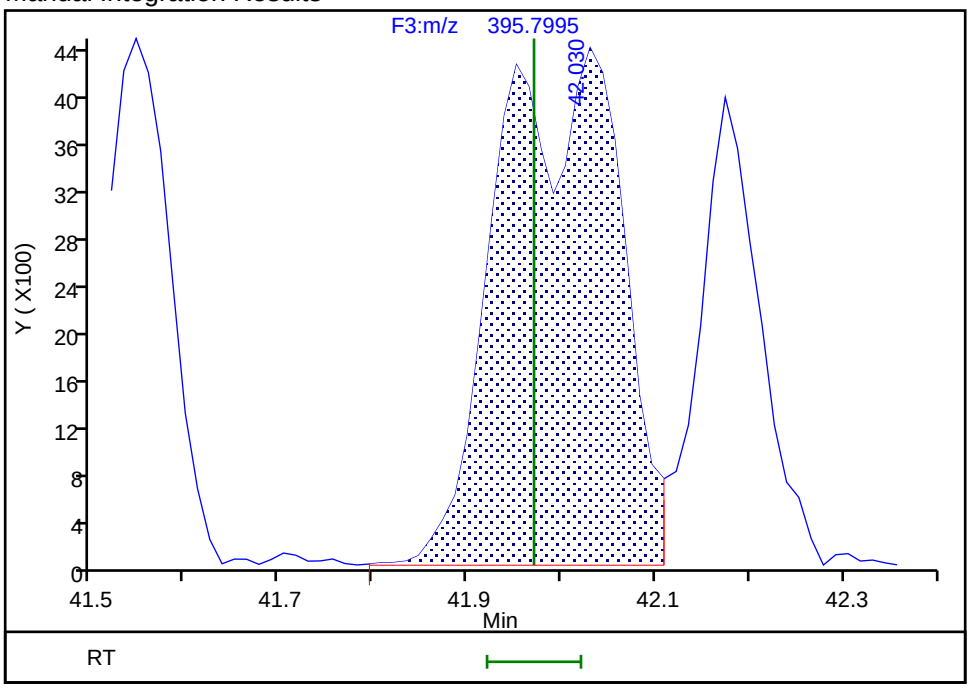
Processing Integration Results

RT: 41.95
Area: 19086
Amount: 1.949117
Amount Units: pg/ul




Manual Integration Results

RT: 42.03
Area: 39679
Amount: 2.169686
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 16:14:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 30-Aug-2019 11:36:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

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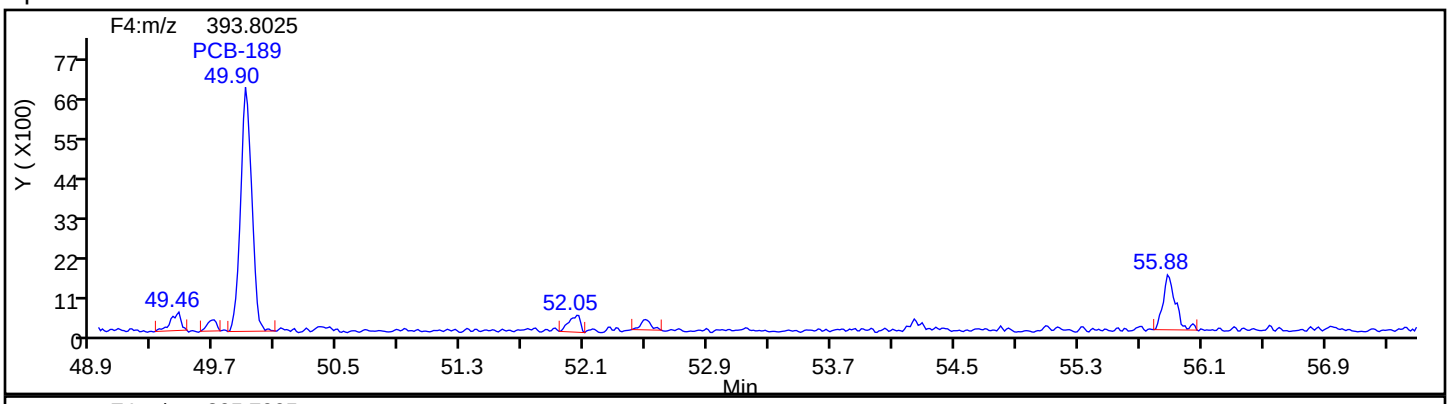
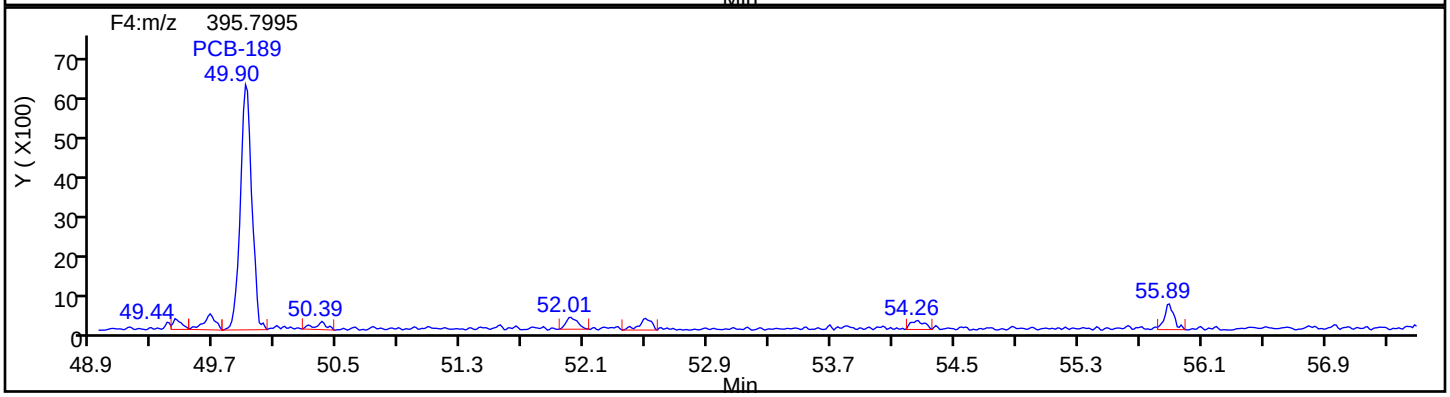
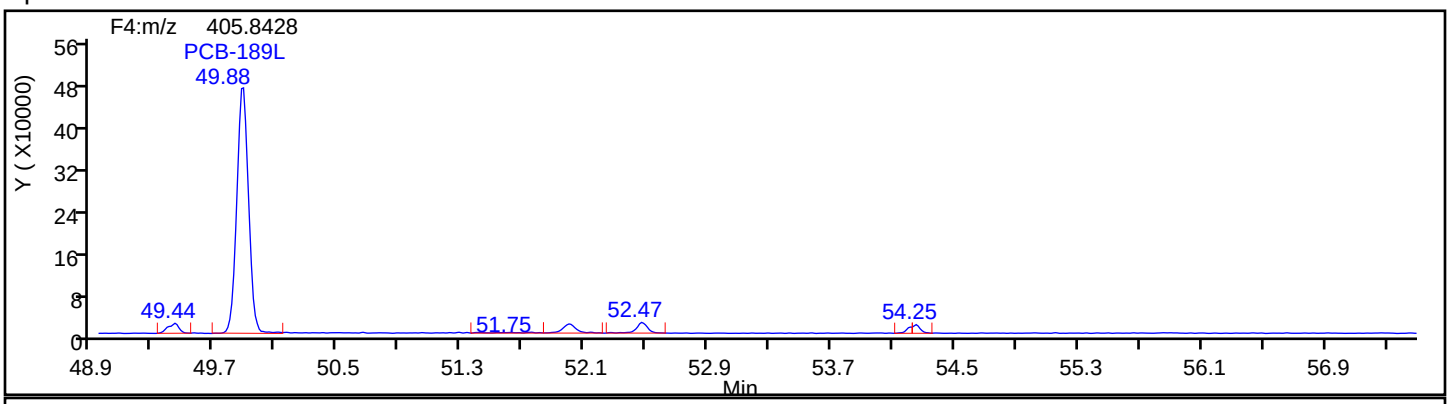
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

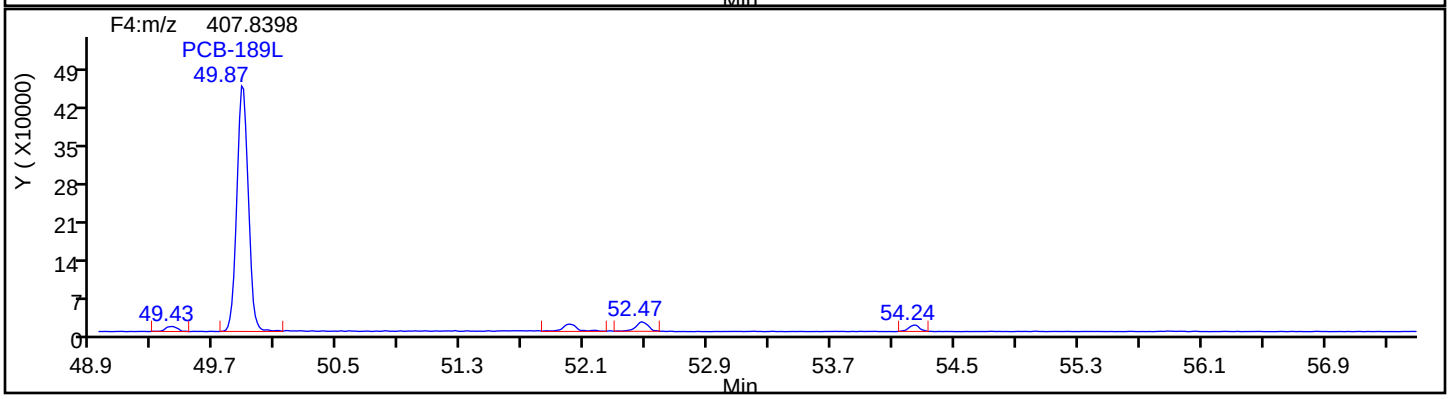
HpPCB F4




HpPCB F4 Standards



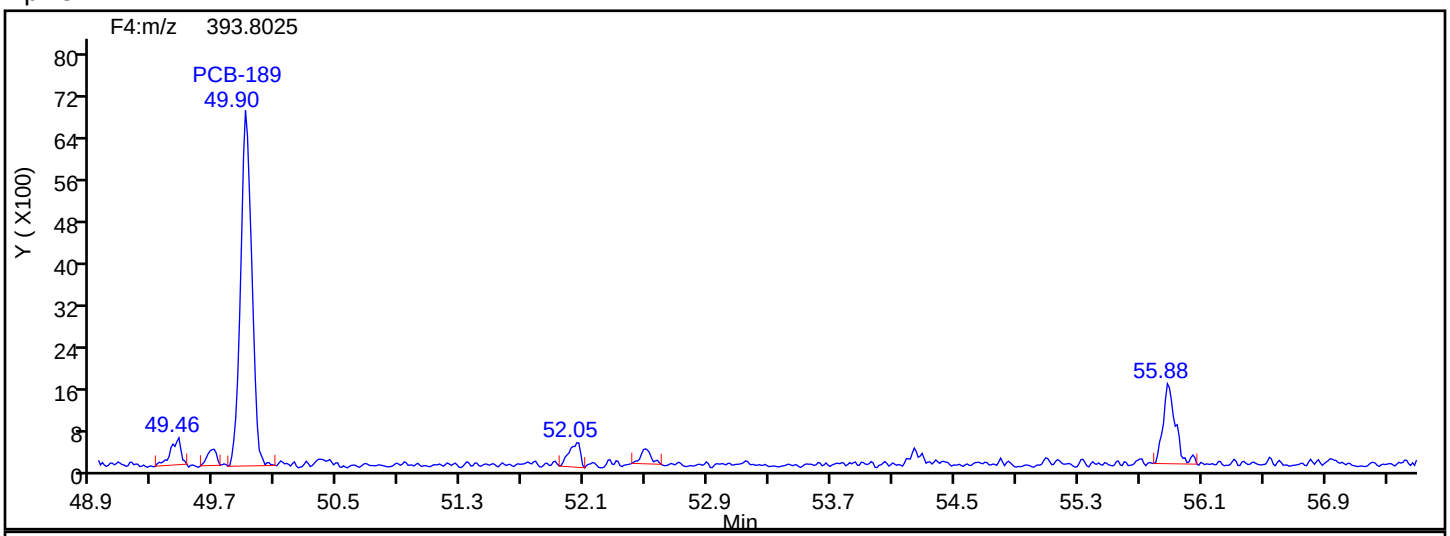



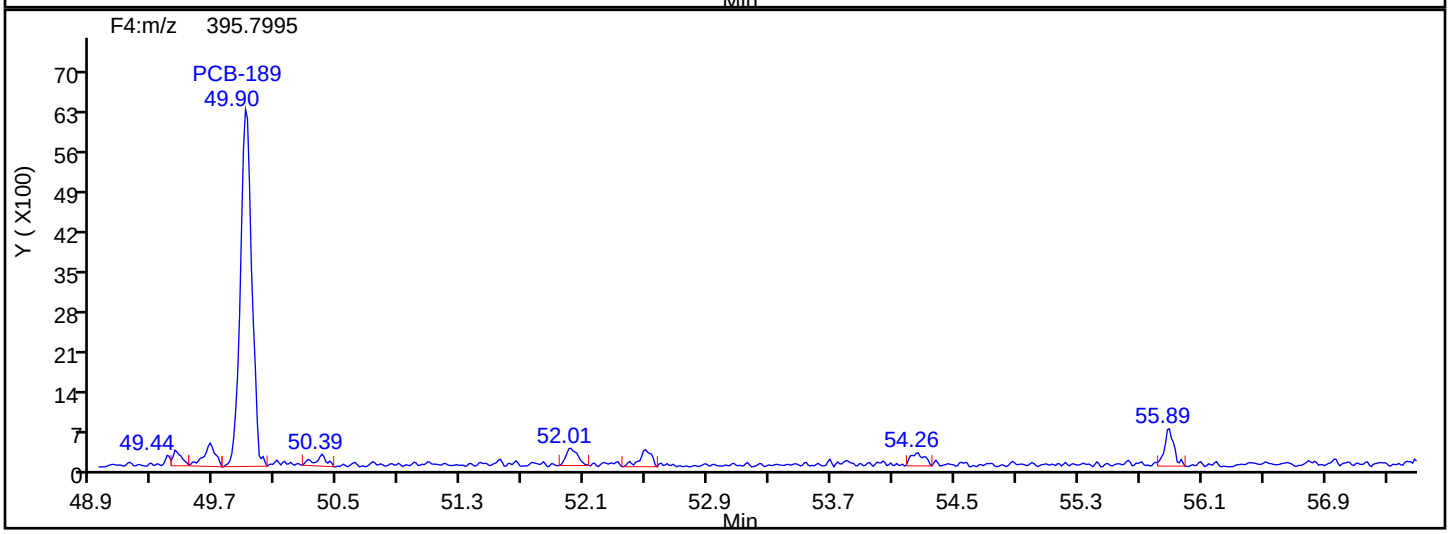
Report Date: 30-Aug-2019 11:36:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

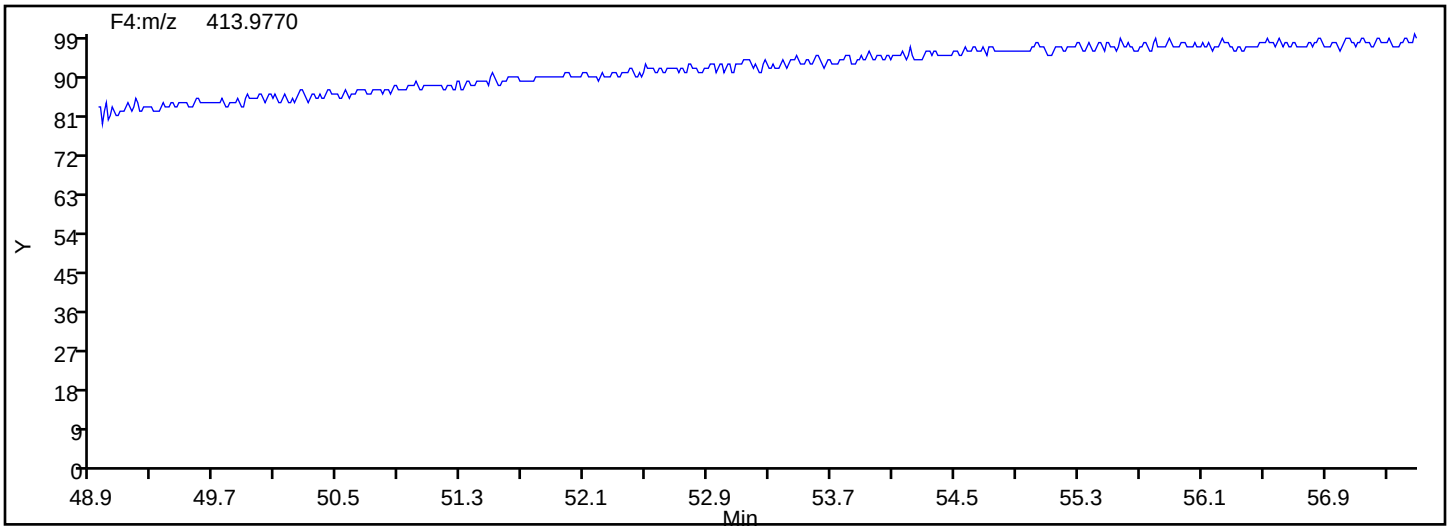
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



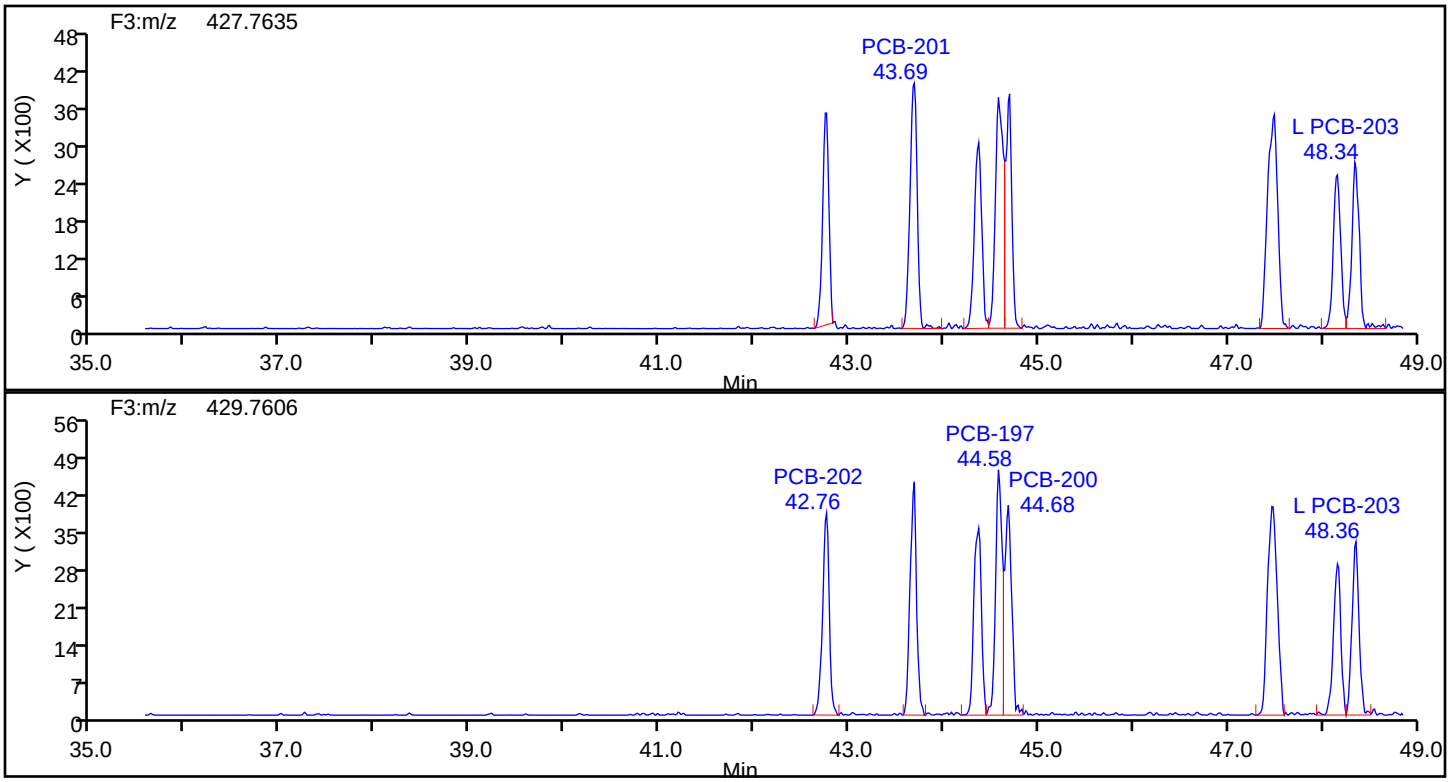

HpPCB F4 Lock Mass



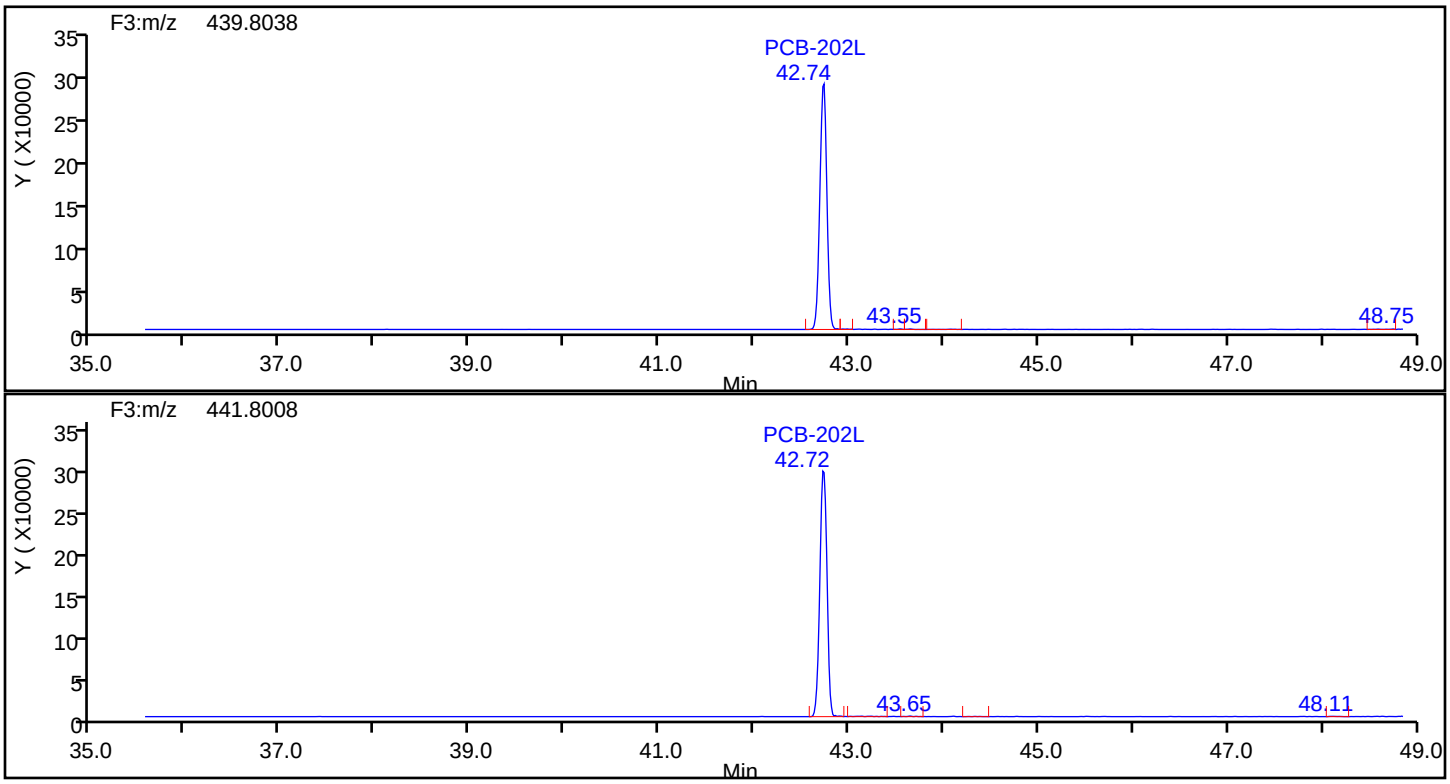
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



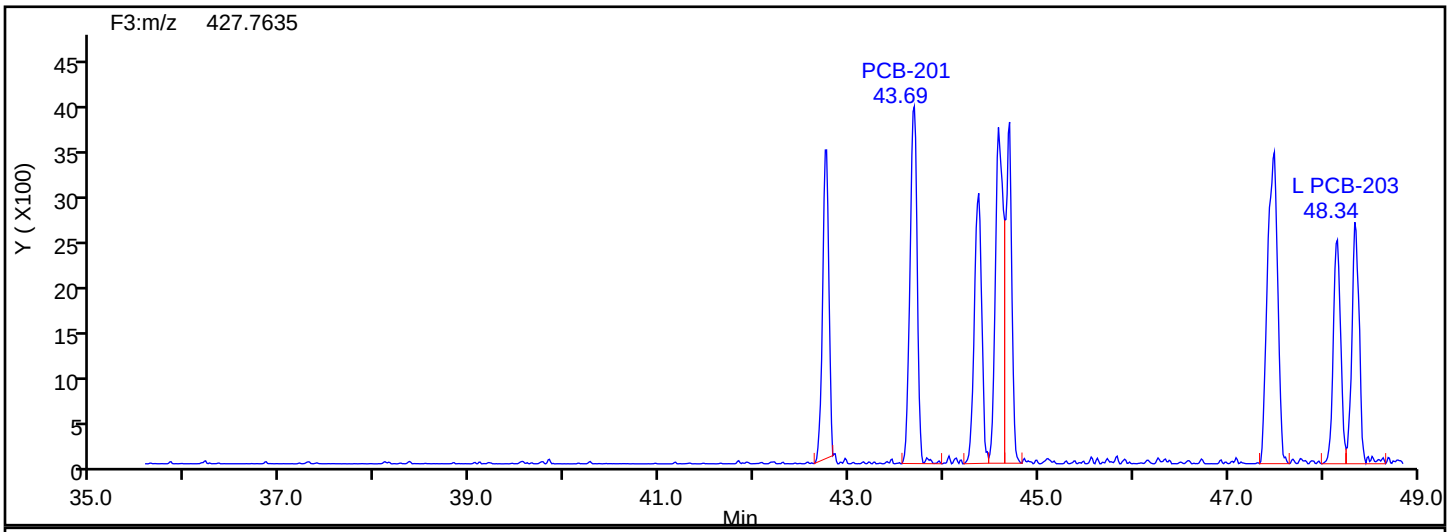

OcPCB F3 Standards

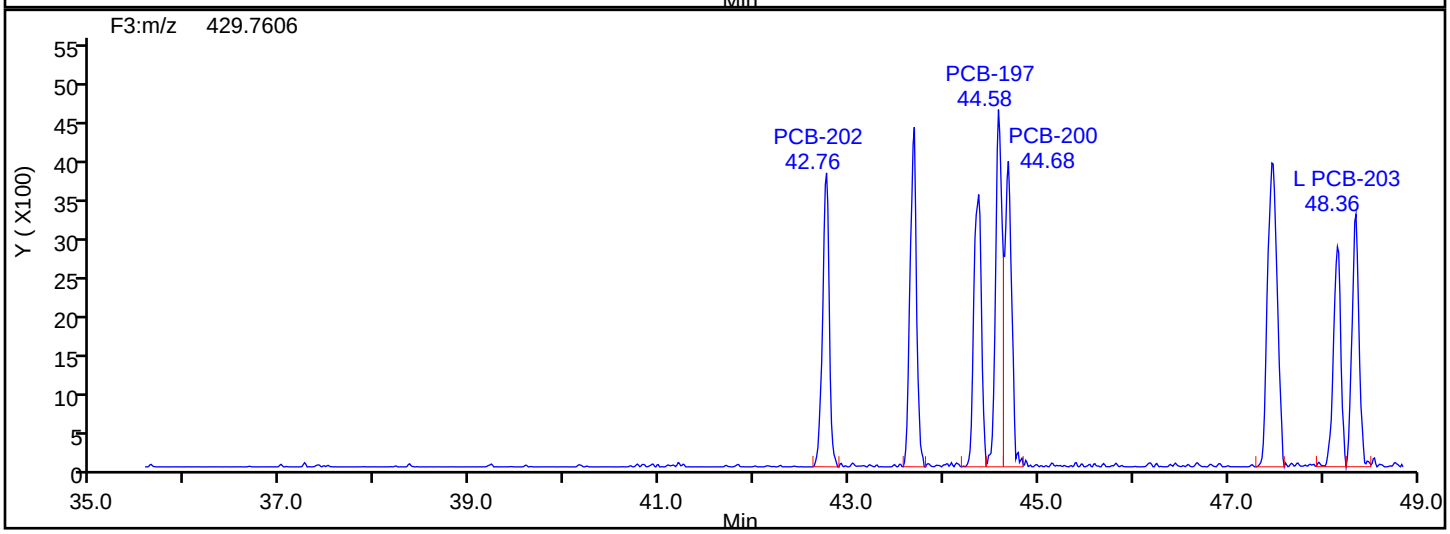


Eurofins TestAmerica, Knoxville

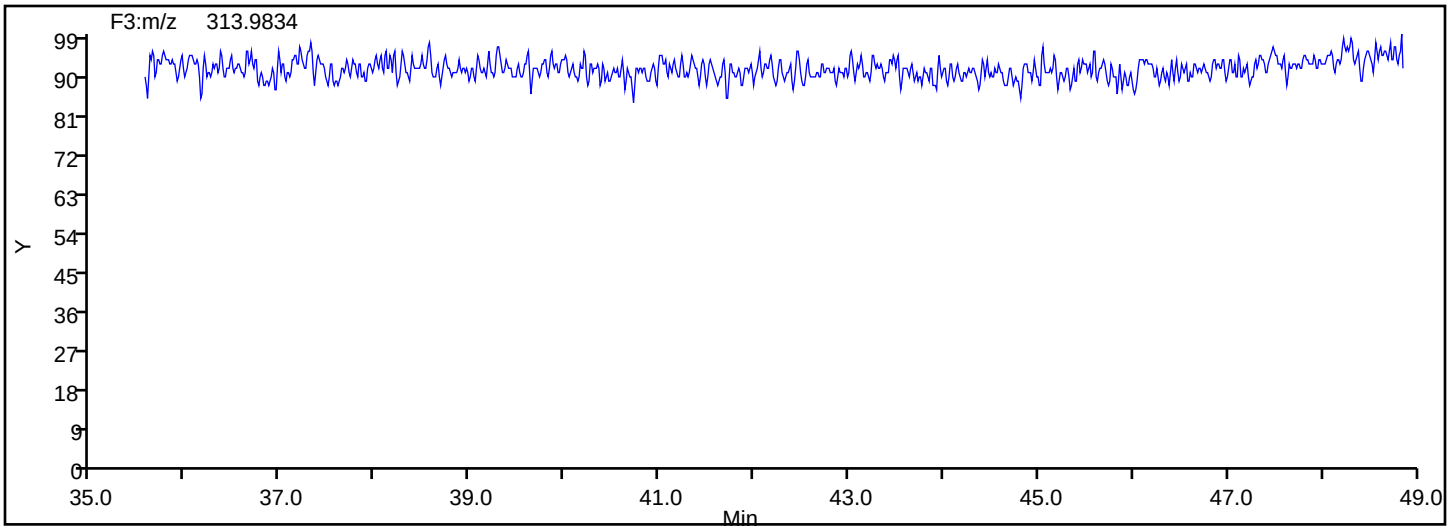
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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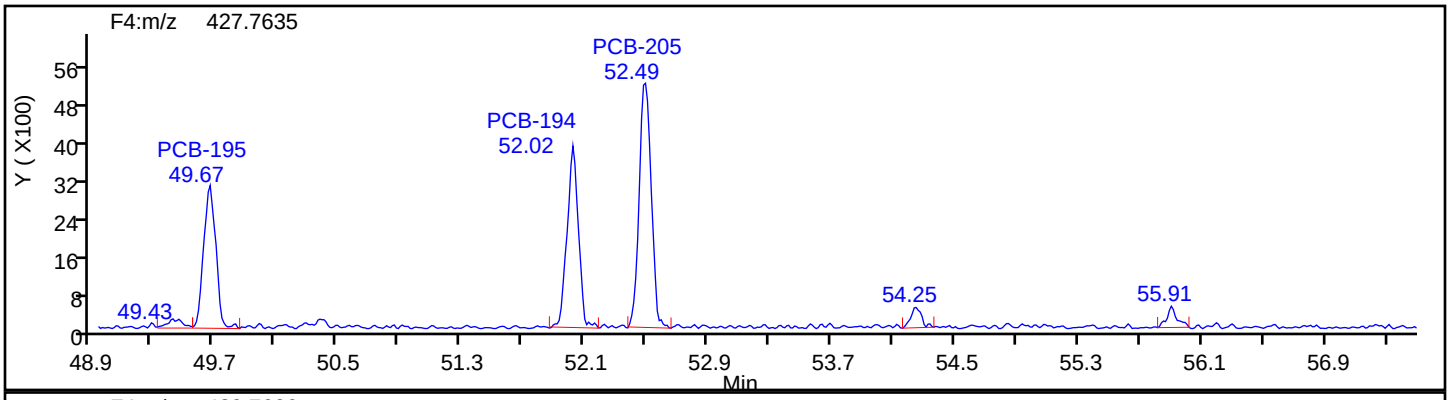
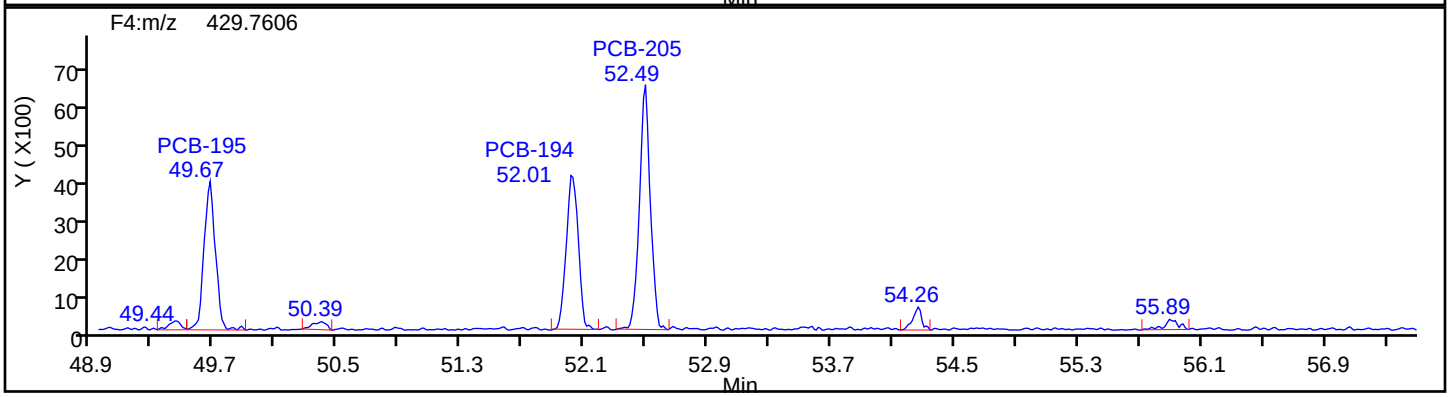
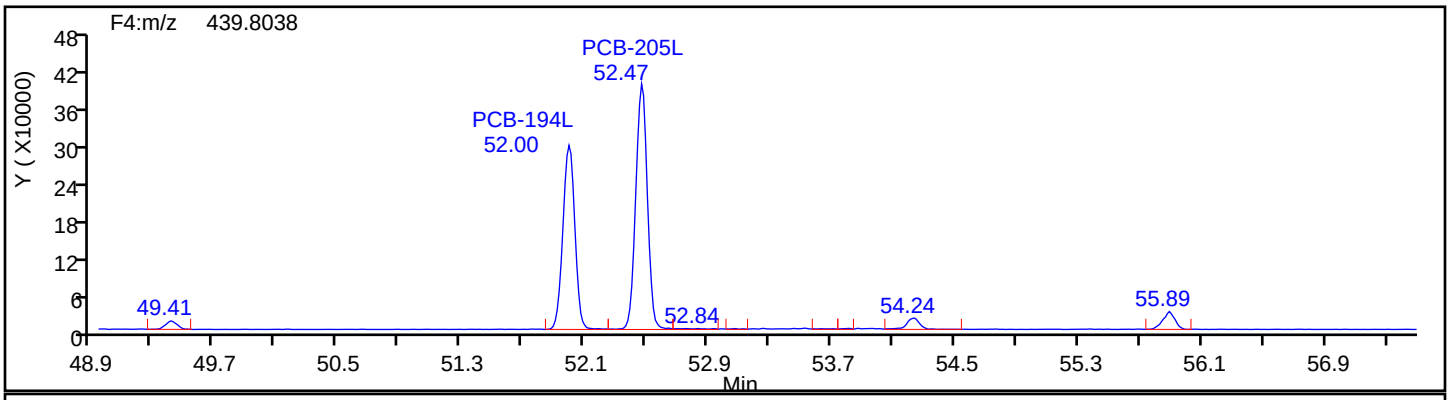
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

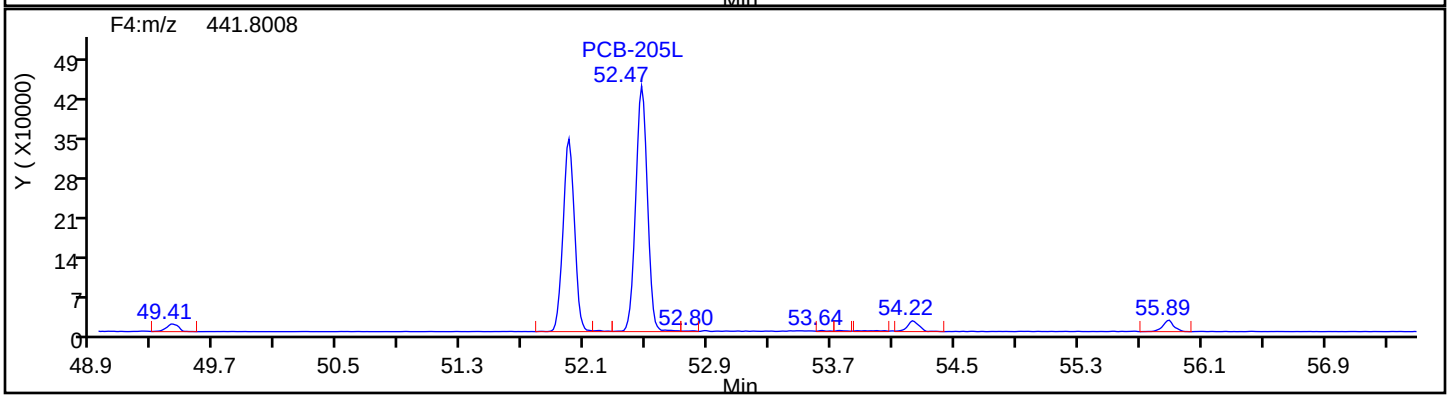
OcPCB F4




OcPCB F4 Standards

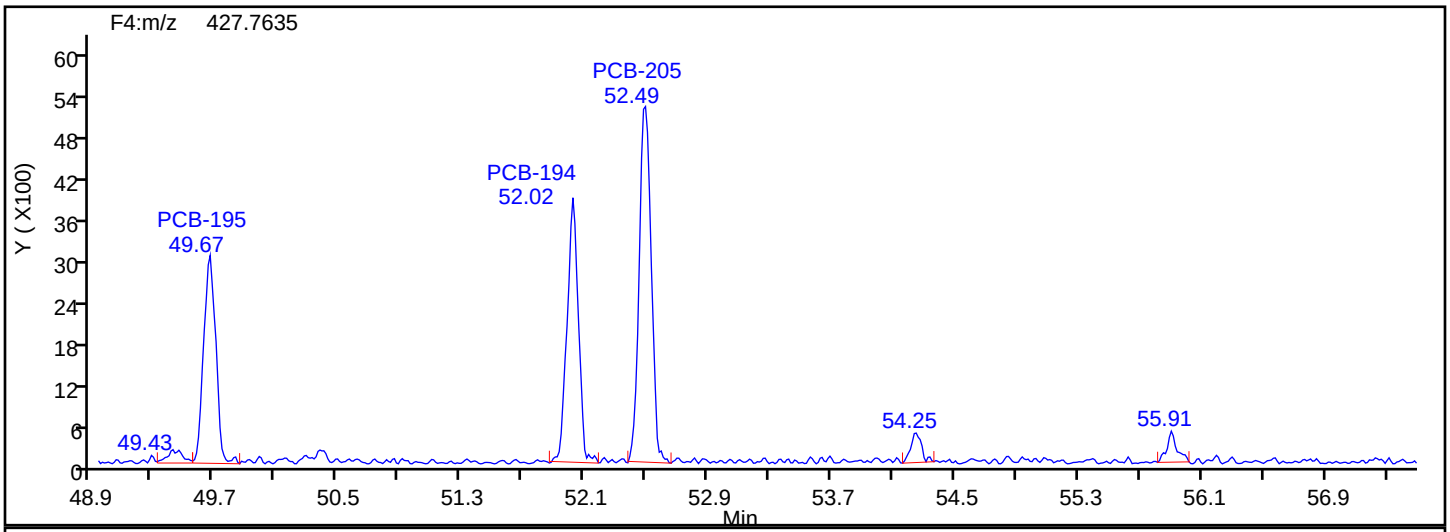


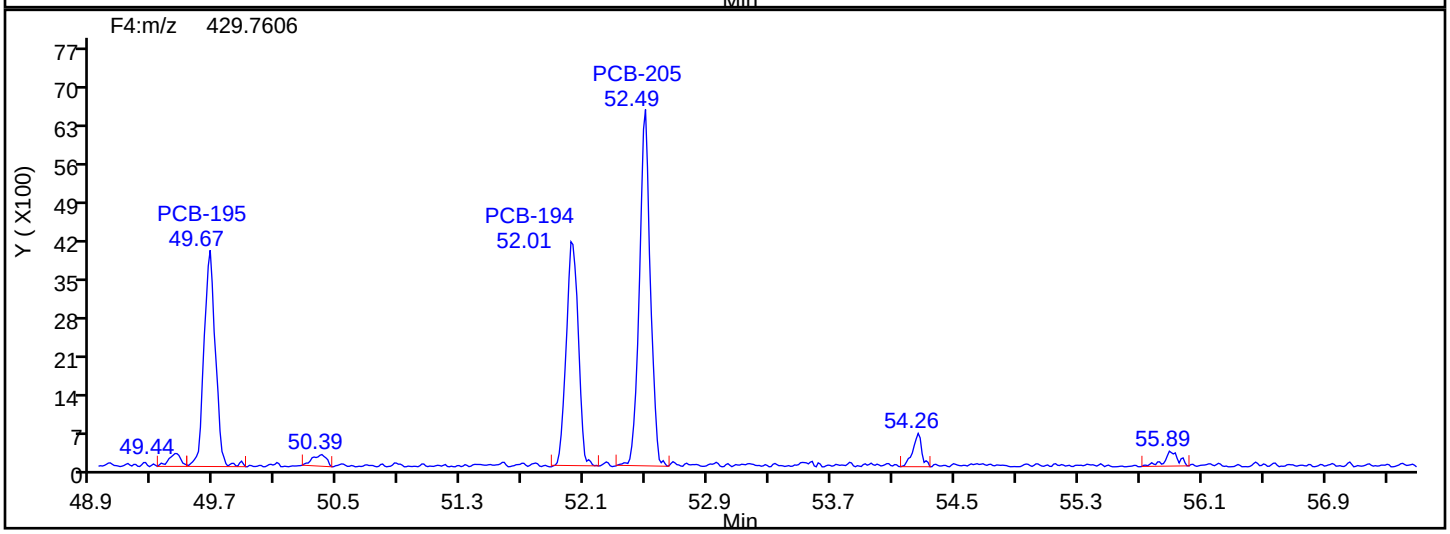



Eurofins TestAmerica, Knoxville

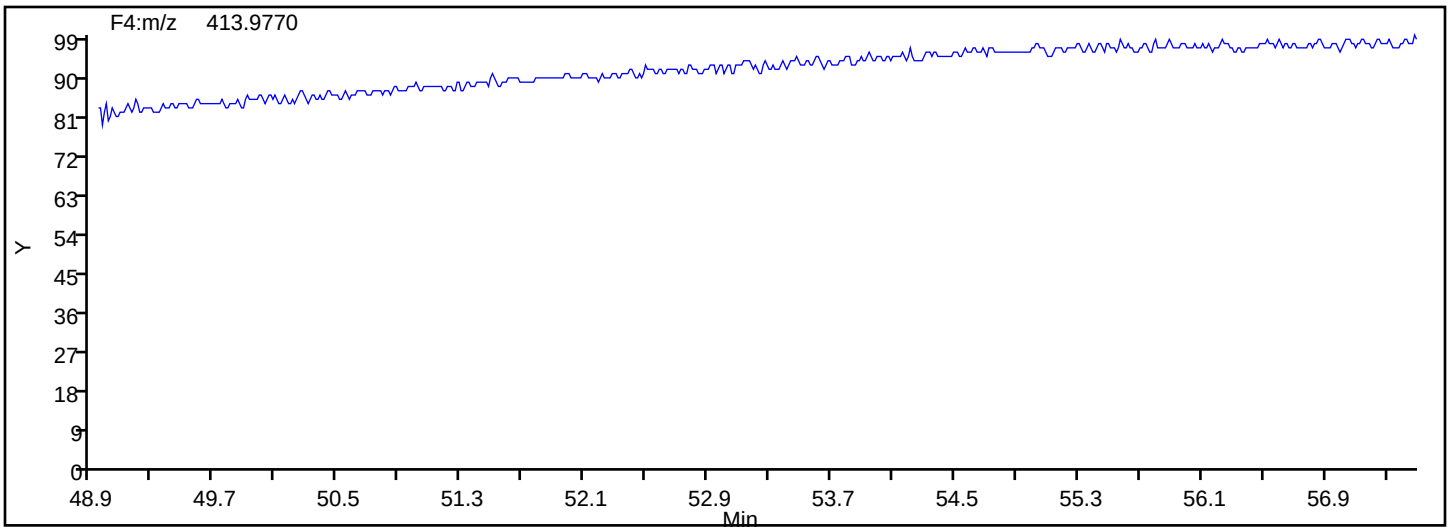
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



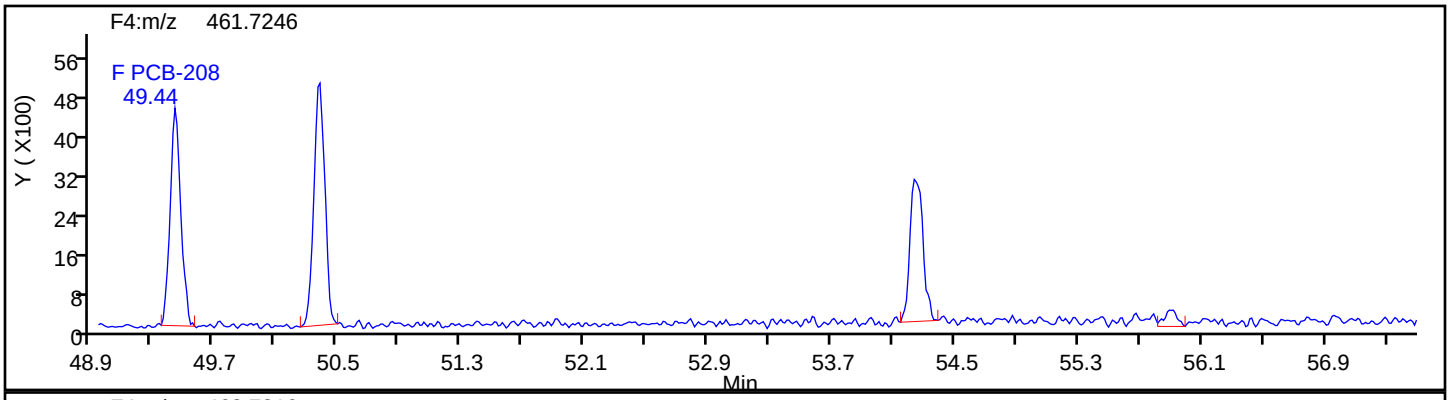

OcPCB F4 Lock Mass

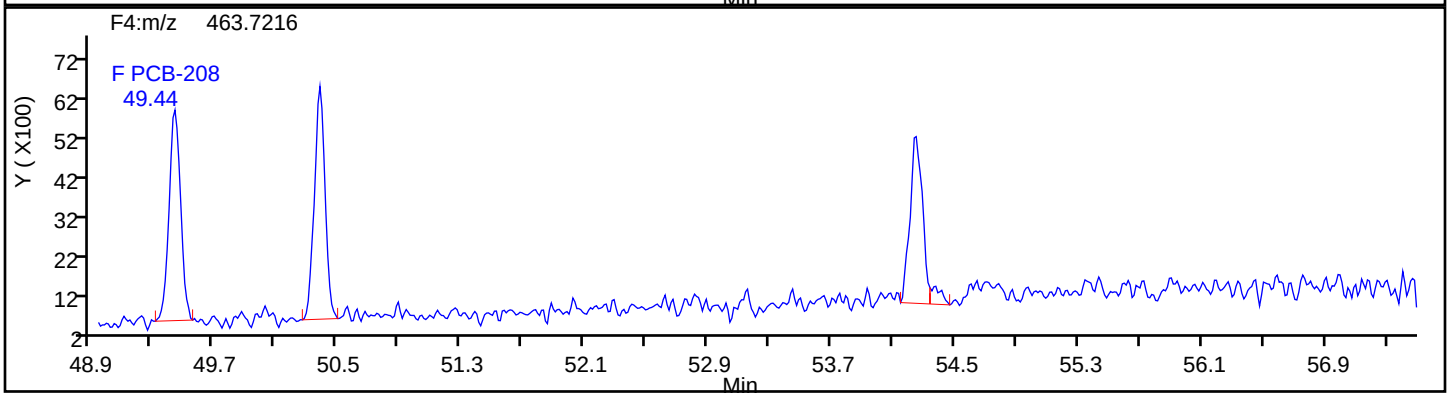


Eurofins TestAmerica, Knoxville

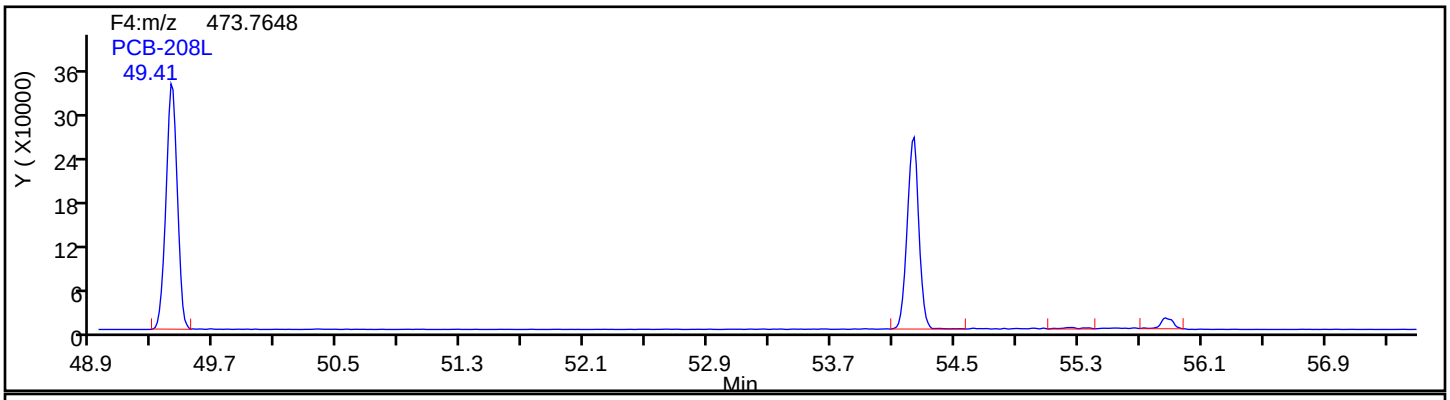
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

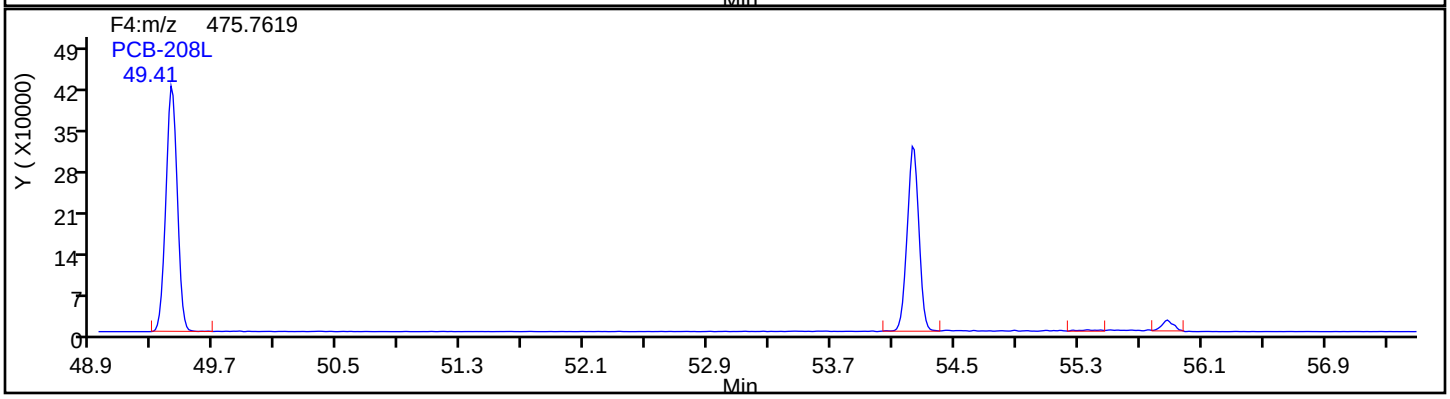
NoPCB F4




NoPCB F4 Standards

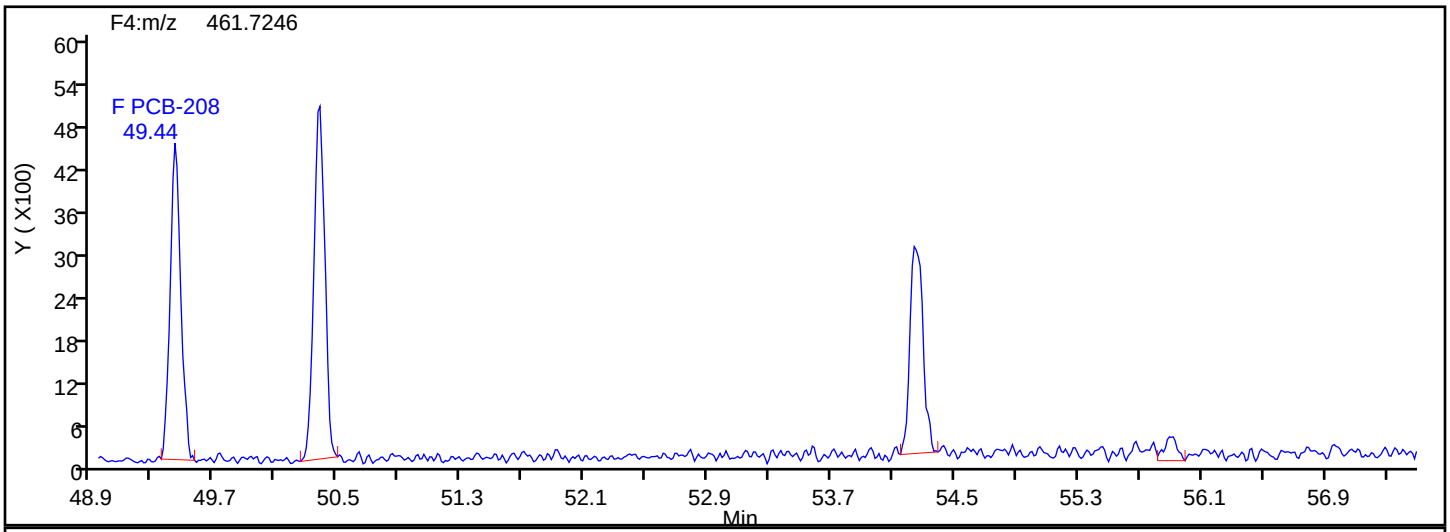


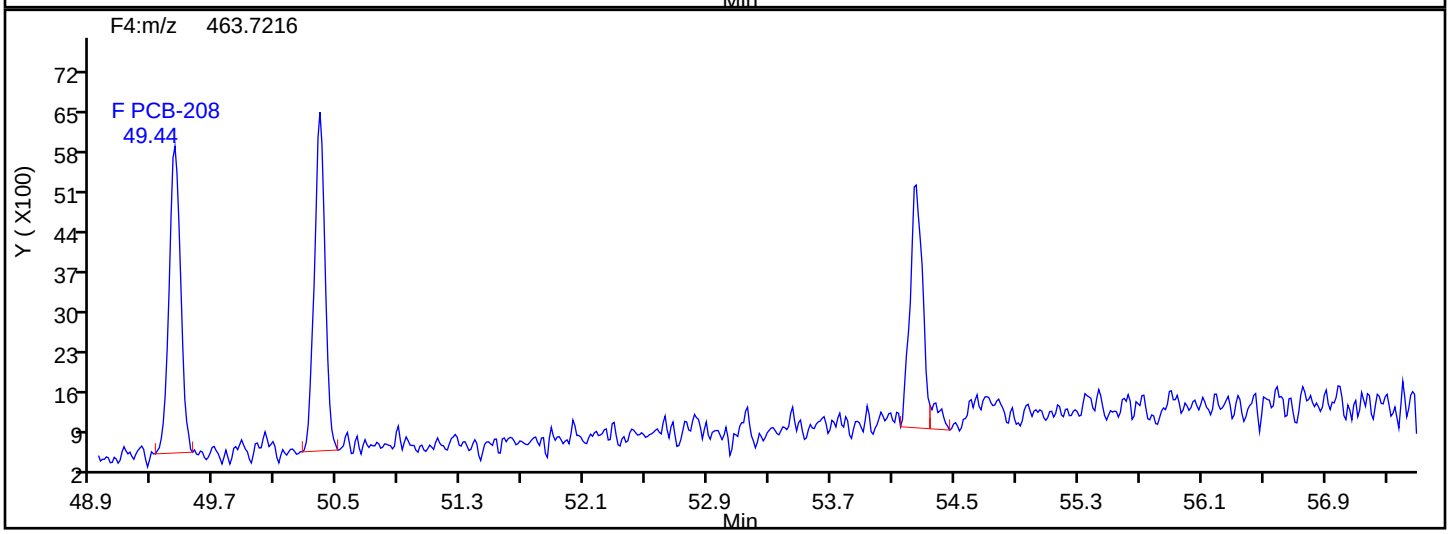



Eurofins TestAmerica, Knoxville

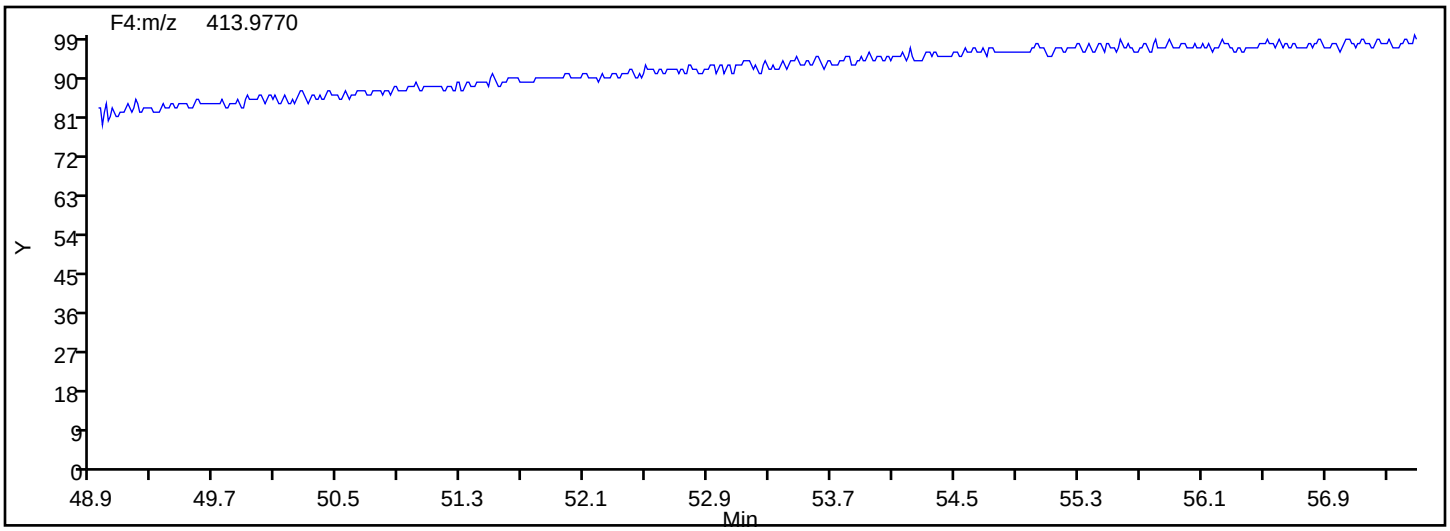
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

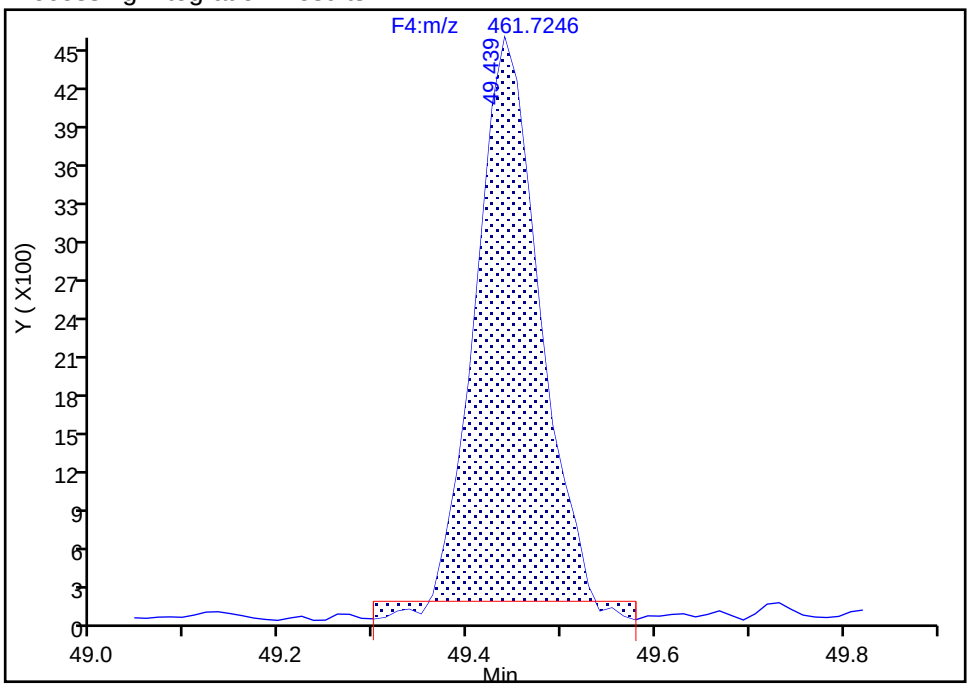
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-208, CAS: 52663-77-1

Signal: 1

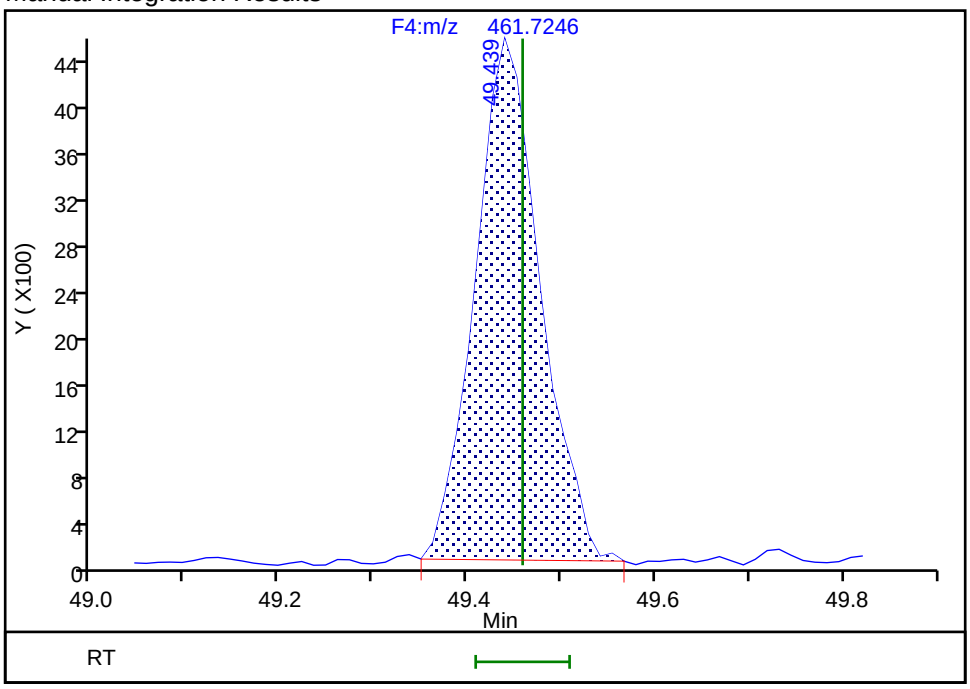
Processing Integration Results

RT: 49.44
Area: 19802
Amount: 0.948632
Amount Units: pg/ul




Manual Integration Results

RT: 49.44
Area: 21528
Amount: 1.100521
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:55:22
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

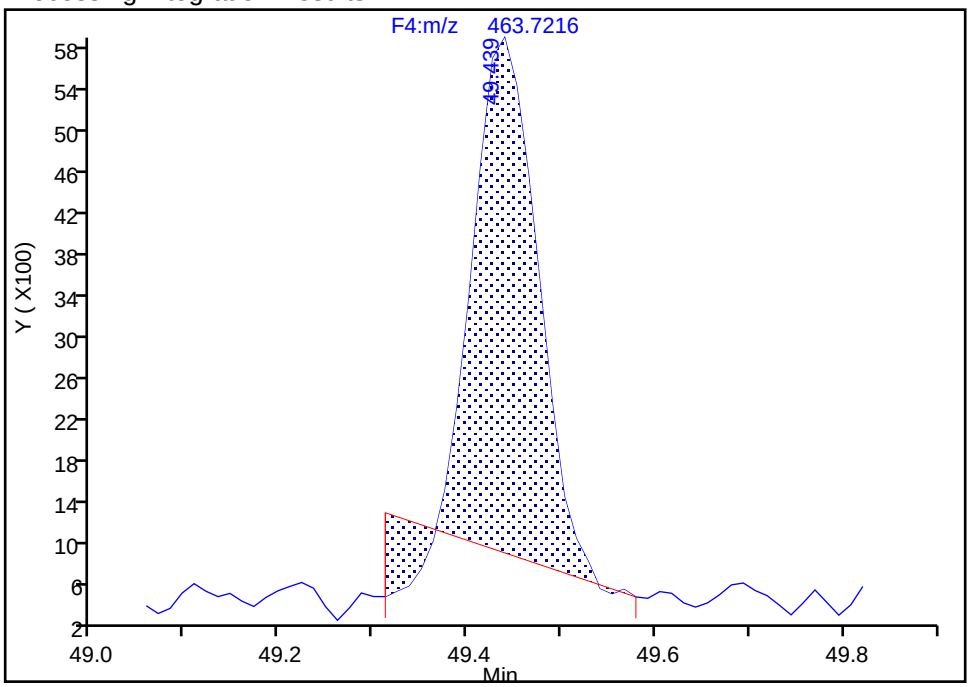
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-208, CAS: 52663-77-1

Signal: 2

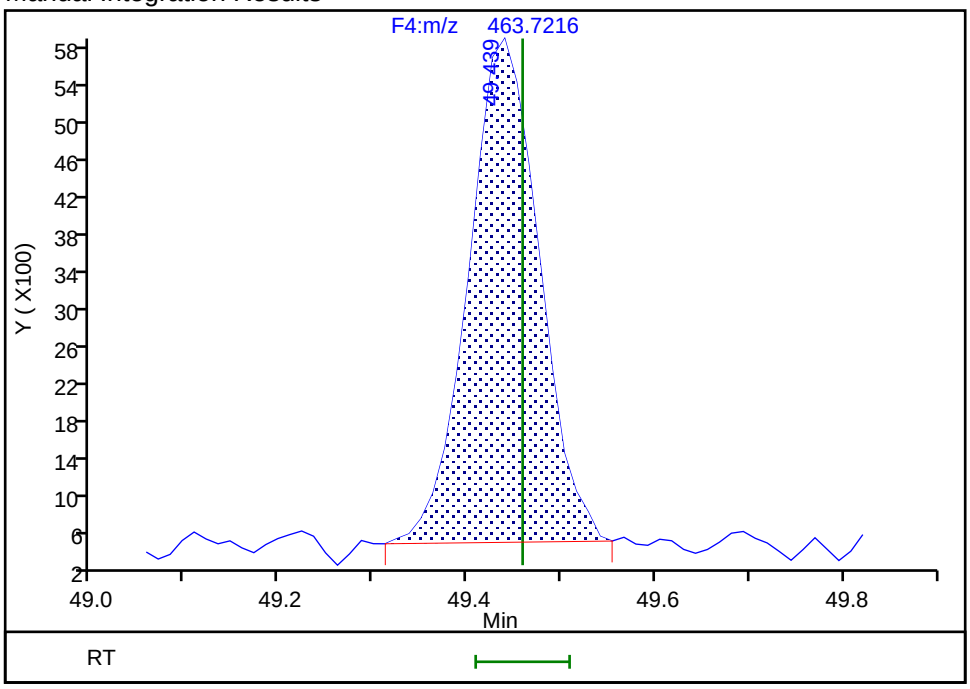
Processing Integration Results

RT: 49.44
Area: 21784
Amount: 0.948632
Amount Units: pg/ul




Manual Integration Results

RT: 49.44
Area: 27900
Amount: 1.100521
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:55:27
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

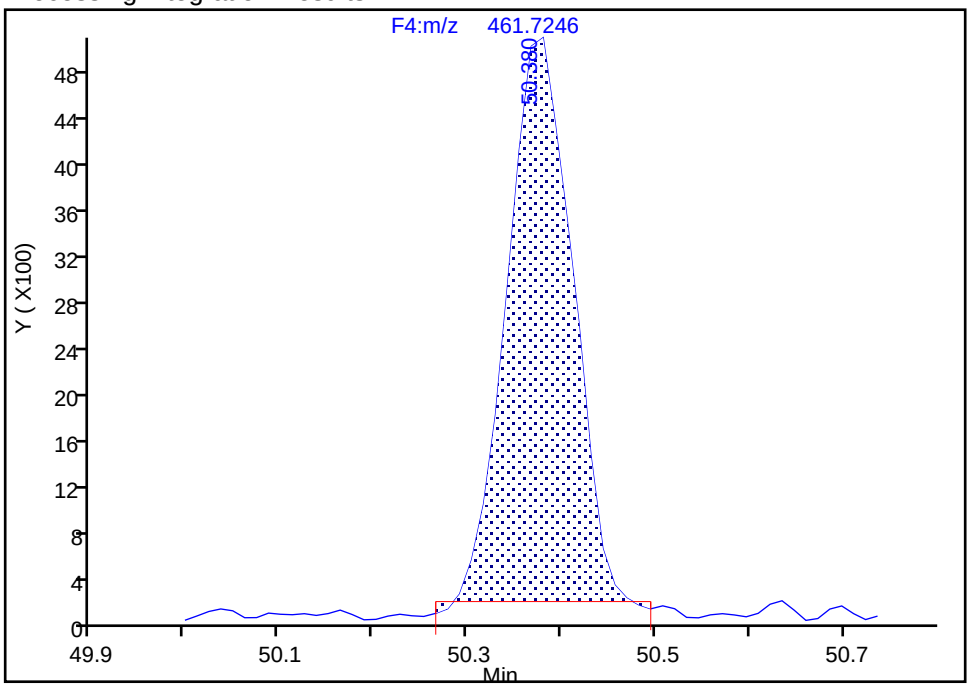
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-207, CAS: 52663-79-3

Signal: 1

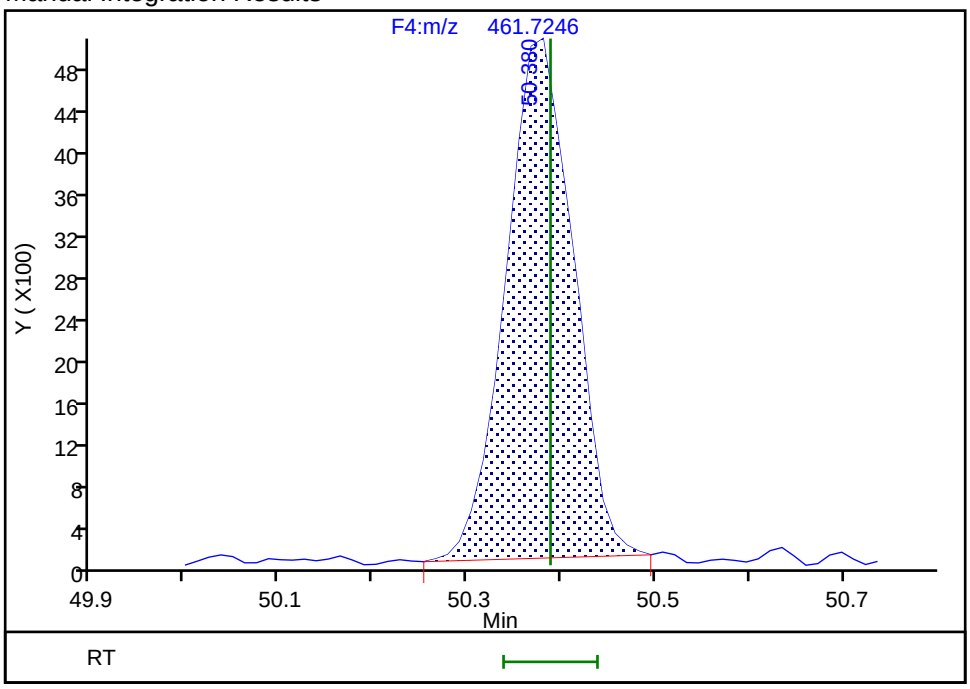
Processing Integration Results

RT: 50.38
Area: 23524
Amount: 0.950153
Amount Units: pg/ul




Manual Integration Results

RT: 50.38
Area: 24828
Amount: 1.099259
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:55:35
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

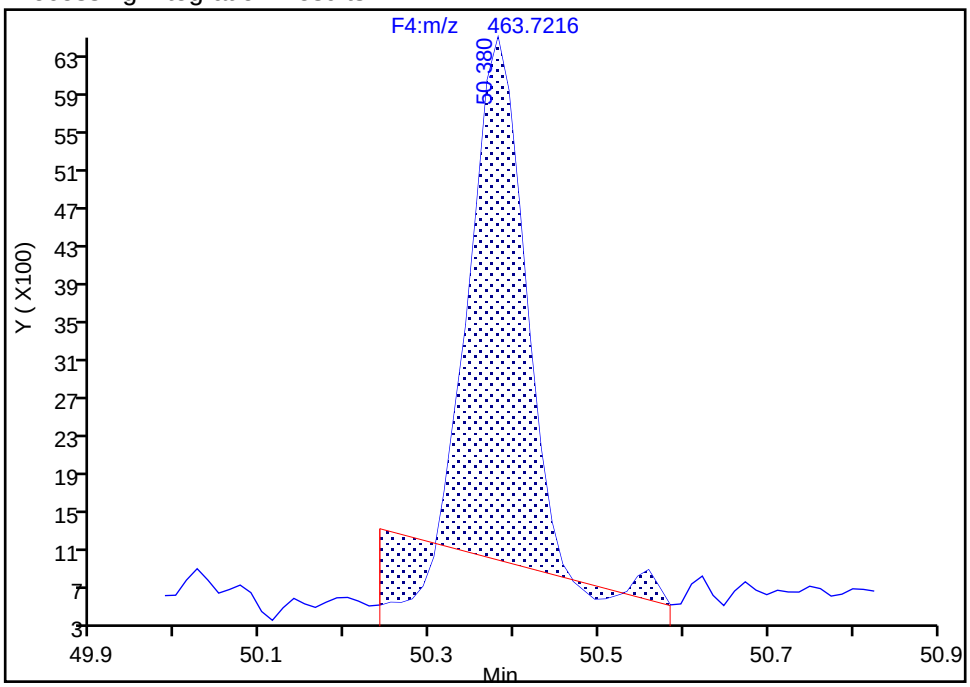
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-207, CAS: 52663-79-3

Signal: 2

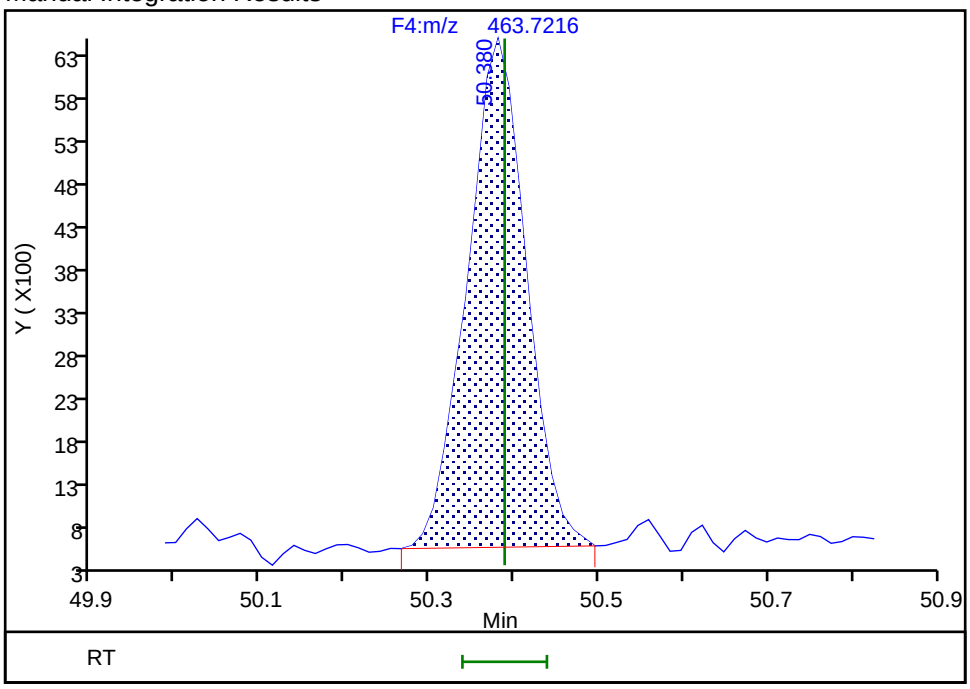
Processing Integration Results

RT: 50.38
Area: 21945
Amount: 0.950153
Amount Units: pg/ul




Manual Integration Results

RT: 50.38
Area: 28501
Amount: 1.099259
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:55:39

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

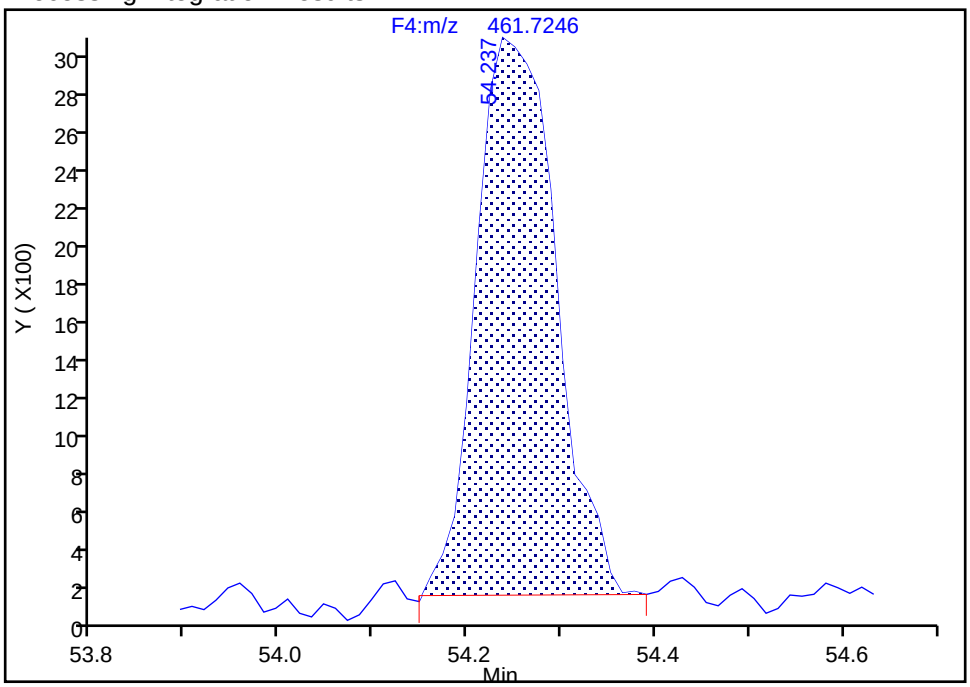
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L2 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-206, CAS: 40186-72-9

Signal: 1

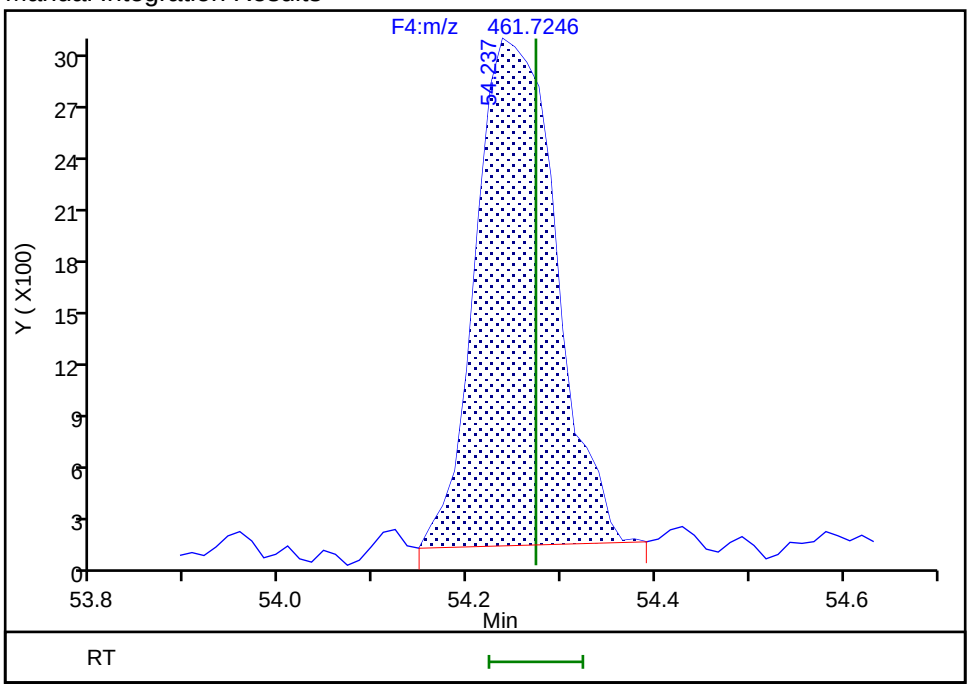
Processing Integration Results

RT: 54.24
Area: 17153
Amount: 1.085340
Amount Units: pg/ul




Manual Integration Results

RT: 54.24
Area: 17378
Amount: 1.124445
Amount Units: pg/ul




Reviewer: davidsonm, 21-Aug-2019 15:55:48

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

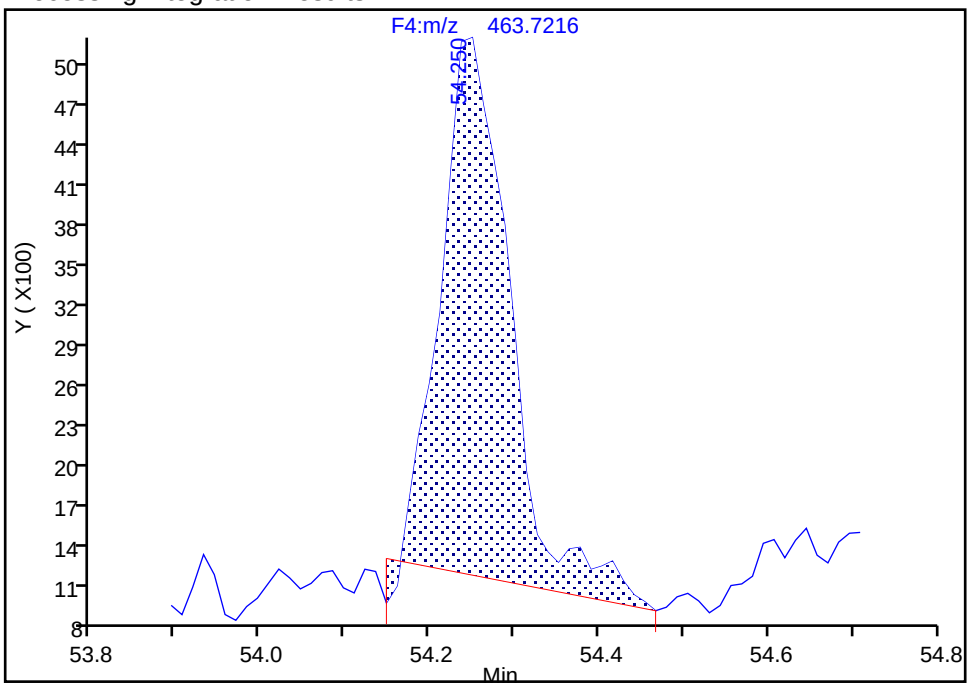
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d
Injection Date: 21-Aug-2019 14:49:00 Instrument ID: D3D
Lims ID: IC L2
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-206, CAS: 40186-72-9

Signal: 2

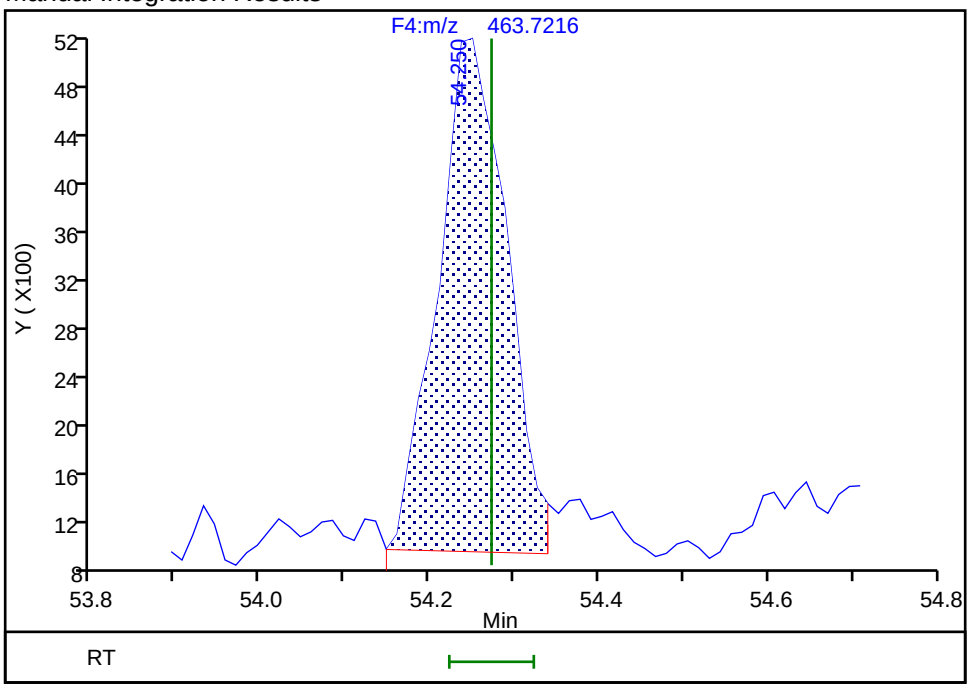
Processing Integration Results

RT: 54.25
Area: 22719
Amount: 1.085340
Amount Units: pg/ul




Manual Integration Results

RT: 54.25
Area: 23737
Amount: 1.124445
Amount Units: pg/ul



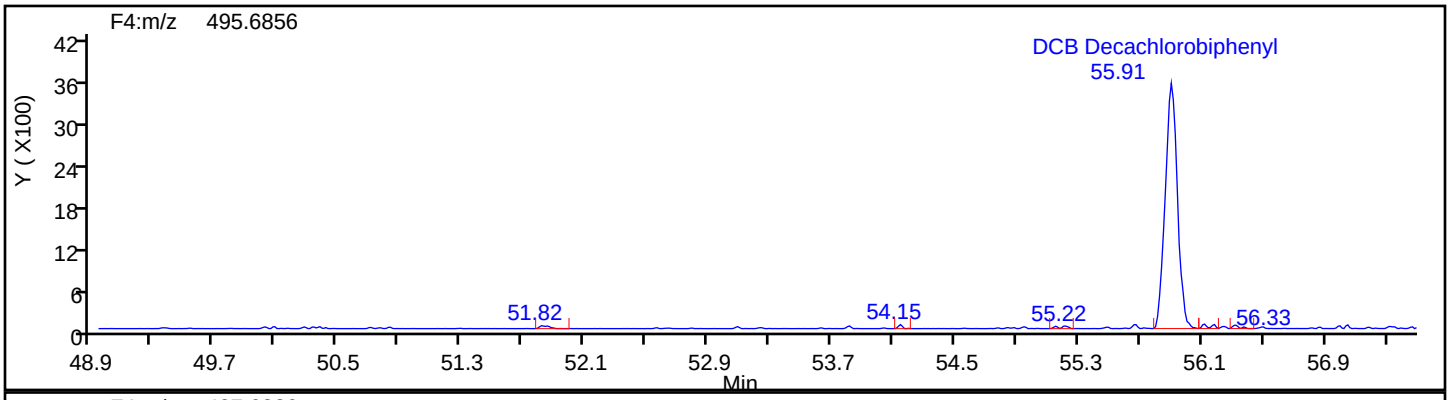

Reviewer: davidsonm, 21-Aug-2019 15:56:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

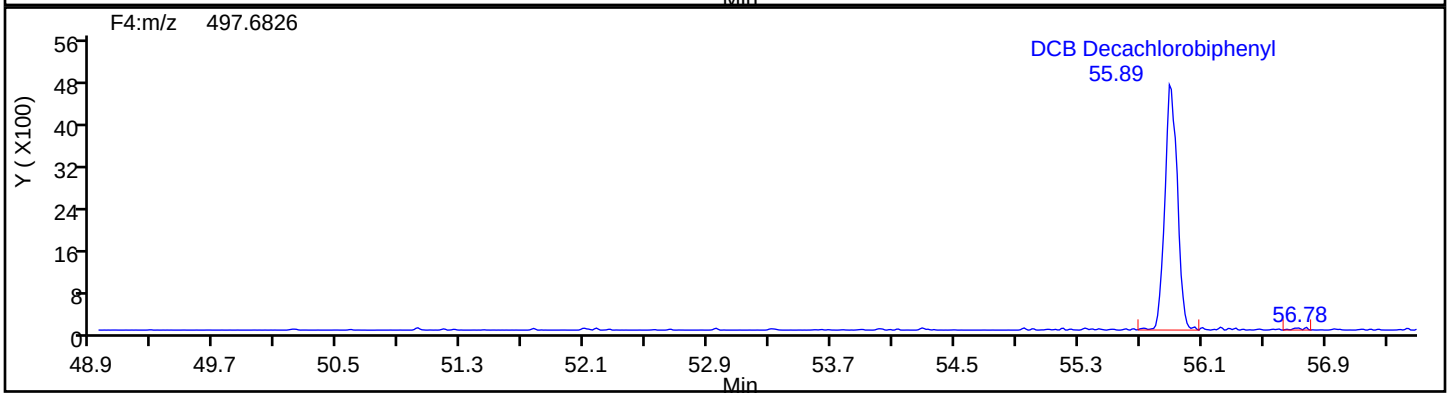
Report Date: 30-Aug-2019 11:36:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

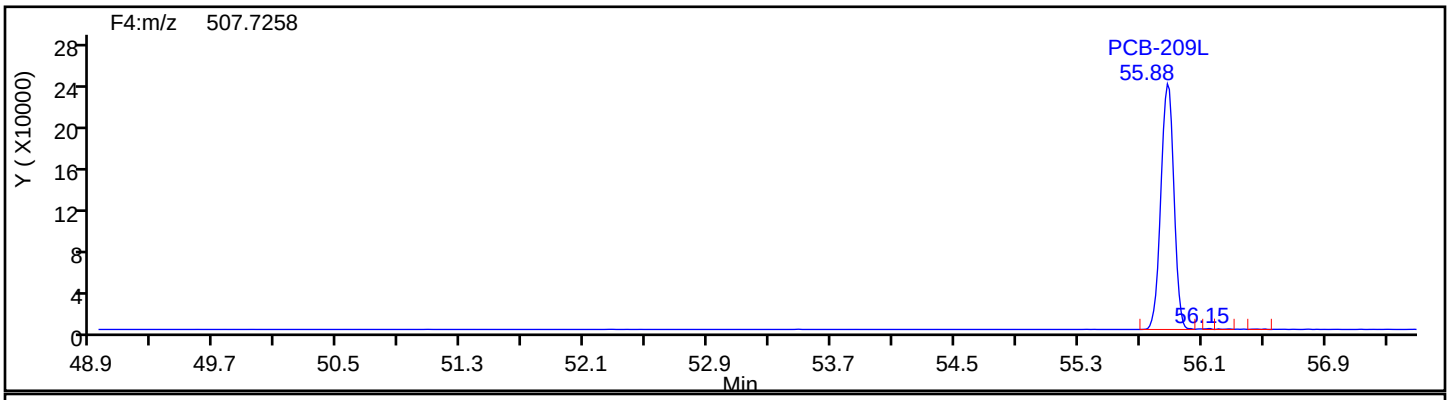
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

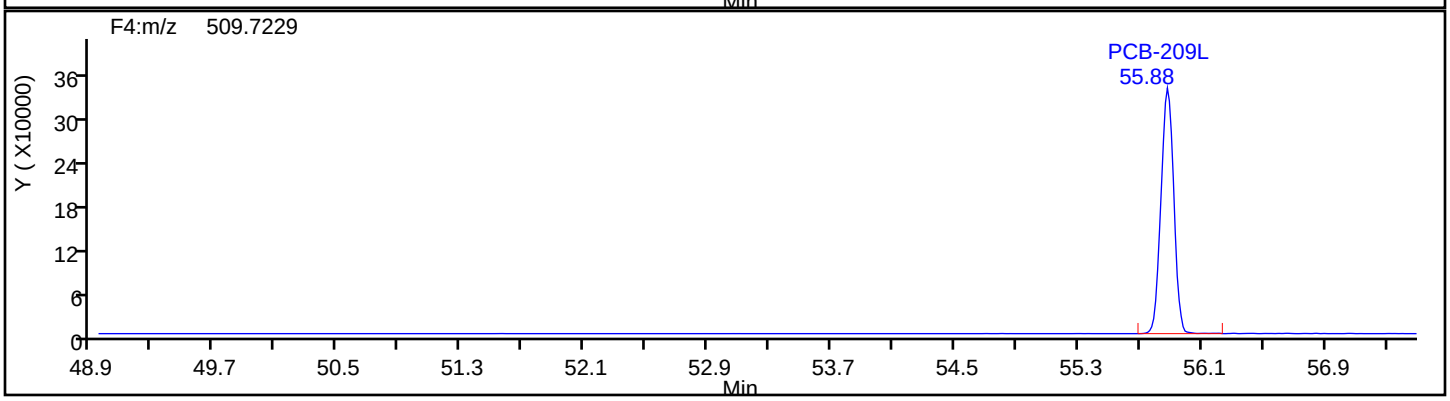
DePCB F4




DePCB F4 Standards

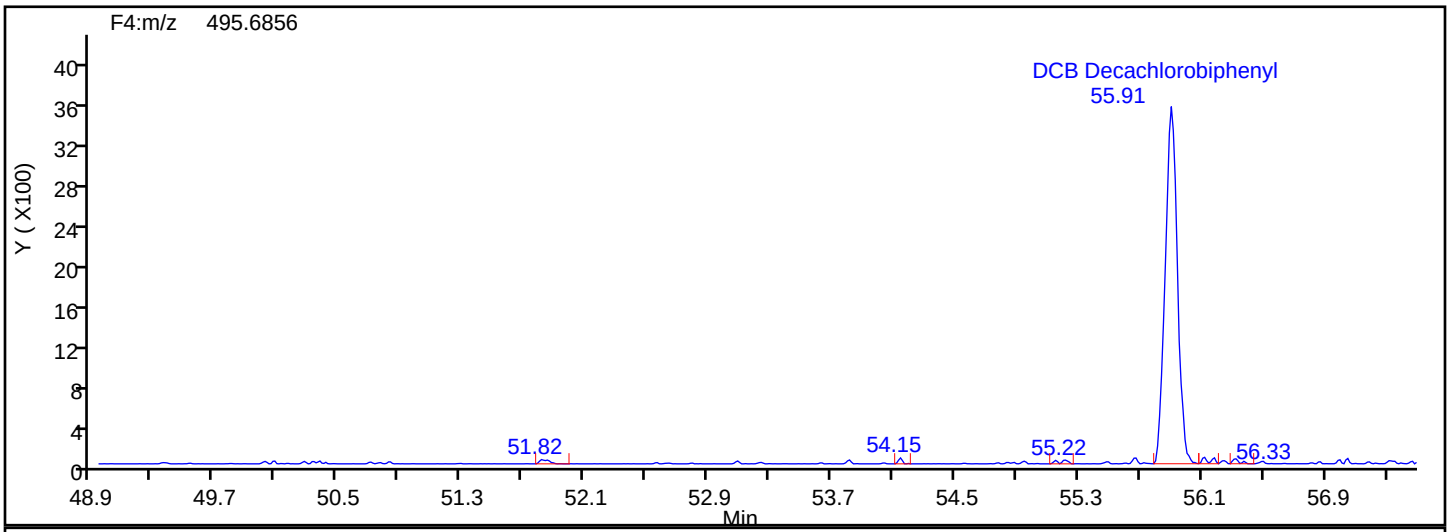


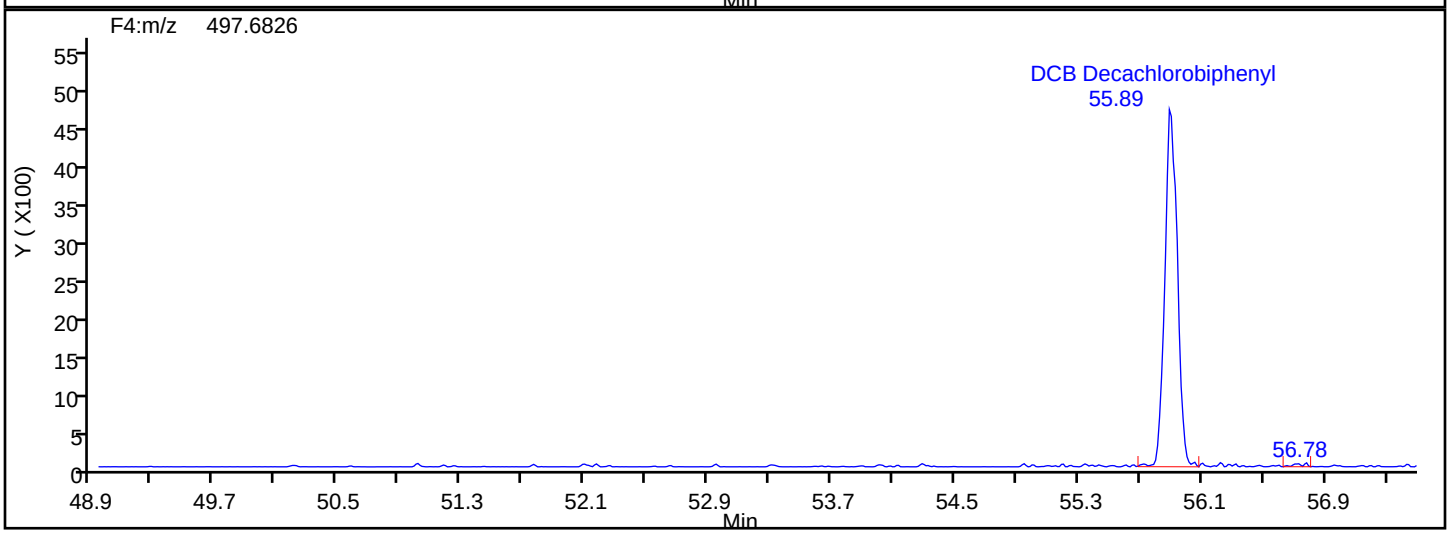



Eurofins TestAmerica, Knoxville

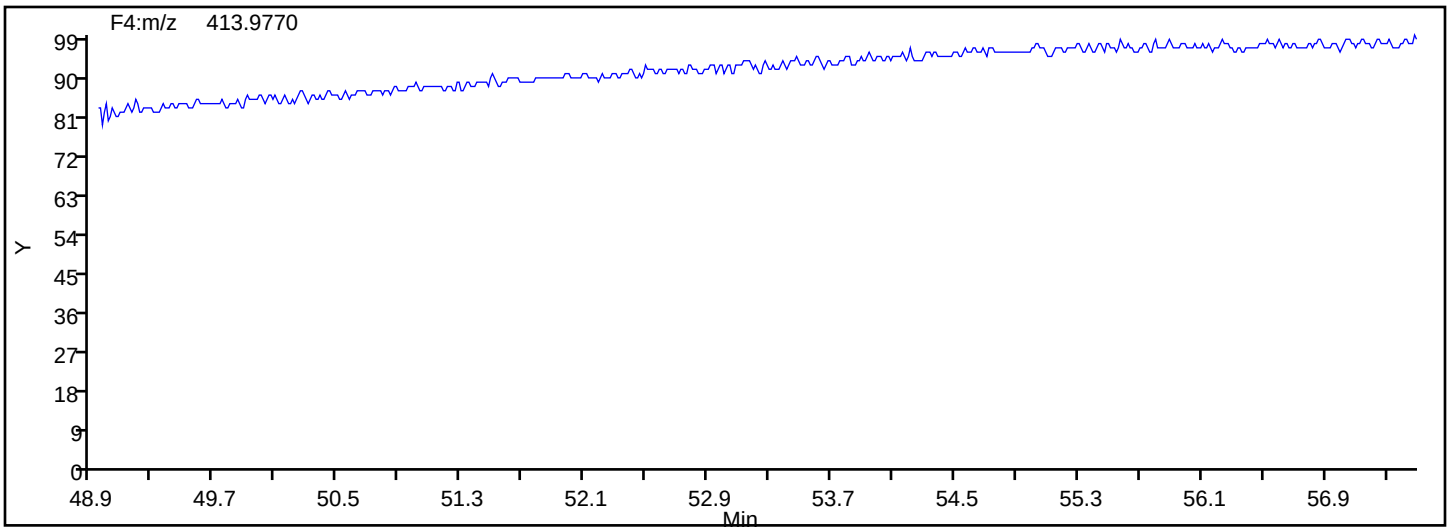
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i2.d | | |
| Injection Date: | 21-Aug-2019 14:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Aug-2019 15:59:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-003
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:37:12 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: mcwhirterl Date: 21-Aug-2019 20:17:42

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 14.6 | 14.6 | 0.0236 | 0.0236 | | |
| D PCB-1L | 11:49 | 5171353 | 3.05 | 1.3140 | 99.6 | 99.6 | 0.2415 | 0.2415 | 99.61 | |
| D PCB-3L | 13:58 | 5287112 | 3.17 | 1.3615 | 98.3 | 98.3 | 0.2330 | 0.2330 | 98.29 | |
| PCB-1 | 11:50 | 301249 | 3.19 | 1.1883 | 4.902 | 4.902 | 0.0215 | 0.0215 | 98.05 | |
| PCB-2 | 13:49 | 302100 | 3.29 | 1.1911 | 4.850 | 4.850 | 0.0236 | 0.0236 | 97.01 | |
| PCB-3 | 13:59 | 310673 | 3.09 | 1.2130 | 4.844 | 4.844 | 0.0257 | 0.0257 | 96.89 | |
| S Total Dichlorobiphenyls | | | | | 60.4 | 60.4 | 0.0229 | 0.0229 | | |
| D PCB-4L | 14:14 | 2346022 | 1.60 | 0.5996 | 99.0 | 99.0 | 0.2653 | 0.2653 | 99.04 | |
| * PCB-9L | 16:12 | 3950727 | 1.65 | 4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-8L | 17:03 | 243214 | 1.76 | 1.3085 | 6.033 | 6.033 | 0.1600 | 0.1600 | 121 | |
| D PCB-15L | 20:07 | 3815985 | 1.64 | 1.0280 | 94.0 | 94.0 | 0.1547 | 0.1547 | 93.96 | |
| PCB-4 | 14:15 | 145887 | 1.60 | 1.2533 | 4.962 | 4.962 | 0.0304 | 0.0304 | 99.23 | |
| PCB-10 | 14:25 | 238786 | 1.58 | 1.4828 | 5.227 | 5.227 | 0.0236 | 0.0236 | 105 | |
| PCB-9 | 16:13 | 226529 | 1.57 | 1.4200 | 5.178 | 5.178 | 0.0246 | 0.0246 | 104 | |
| PCB-7 | 16:23 | 255909 | 1.58 | 1.6244 | 5.113 | 5.113 | 0.0215 | 0.0215 | 102 | |
| PCB-6 | 16:37 | 246335 | 1.65 | 1.5539 | 5.145 | 5.145 | 0.0225 | 0.0225 | 103 | |
| PCB-5 | 16:56 | 238823 | 1.57 | 1.5606 | 4.967 | 4.967 | 0.0224 | 0.0224 | 99.34 | |
| PCB-8 | 17:03 | 246476 | 1.60 | 1.5884 | 5.037 | 5.037 | 0.0220 | 0.0220 | 101 | |
| PCB-14 | 18:41 | 289545 | 1.56 | 1.8738 | 5.015 | 5.015 | 0.0187 | 0.0187 | 100 | |
| PCB-11 | 19:32 | 250576 | 1.64 | 1.6347 | 4.975 | 4.975 | 0.0214 | 0.0214 | 99.51 | |
| PCB-12 | 19:50 | 494264 | 1.57 | 1.6410 | 9.776 | 9.776 | 0.0213 | 0.0213 | 97.76 | |
| PCB-13 (C12) | 19:50 | 494264 | 1.57 | 1.6410 | 9.776 | 9.776 | 0.0213 | 0.0213 | 97.76 | |
| PCB-15 | 20:08 | 267846 | 1.56 | 1.4024 | 5.005 | 5.005 | 0.0231 | 0.0231 | 100 | Ma |
| S Total Trichlorobiphenyl | | | | | 117.1 | 117.1 | 0.0427 | 0.0427 | | |
| D PCB-19L | 17:21 | 1286615 | 1.04 | 0.6095 | 98.1 | 98.1 | 0.4129 | 0.4129 | 98.05 | |
| * PCB-32L | 20:36 | 2152948 | 1.08 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:52 | 6597020 | 1.04 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:09 | 415435 | 1.03 | 1.0975 | 5.738 | 5.738 | 0.1868 | 0.1868 | 115 | |
| D PCB-37L | 27:10 | 5637927 | 1.06 | 0.9024 | 94.7 | 94.7 | 0.2272 | 0.2272 | 94.70 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:21 | 84906 | 1.01 | 1.3047 | 5.058 | 5.058 | 0.0419 | 0.0419 | 101 | |
| PCB-18 | 19:13 | 231814 | 1.07 | 1.8188 | 9.906 | 9.906 | 0.0300 | 0.0300 | 99.06 | |
| PCB-30 (C18) | 19:13 | 231814 | 1.07 | 1.8188 | 9.906 | 9.906 | 0.0300 | 0.0300 | 99.06 | |
| PCB-17 | 19:39 | 99038 | 1.16 | 1.5641 | 4.921 | 4.921 | 0.0349 | 0.0349 | 98.43 | |
| PCB-27 | 19:51 | 133042 | 1.07 | 2.1680 | 4.769 | 4.769 | 0.0252 | 0.0252 | 95.39 | |
| PCB-24 | 19:59 | 128456 | 1.04 | 2.1018 | 4.750 | 4.750 | 0.0260 | 0.0260 | 95.00 | |
| PCB-16 | 20:06 | 75342 | 1.01 | 1.2260 | 4.776 | 4.776 | 0.0446 | 0.0446 | 95.53 | |
| PCB-32 | 20:37 | 147332 | 1.08 | 2.3416 | 4.890 | 4.890 | 0.0233 | 0.0233 | 97.81 | |
| PCB-34 | 21:53 | 350608 | 1.07 | 1.2154 | 5.117 | 5.117 | 0.0520 | 0.0520 | 102 | |
| PCB-23 | 22:02 | 355592 | 1.05 | 1.2675 | 4.976 | 4.976 | 0.0499 | 0.0499 | 99.52 | |
| PCB-26 | 22:21 | 724253 | 1.06 | 1.3193 | 9.737 | 9.737 | 0.0479 | 0.0479 | 97.37 | |
| PCB-29 (C26) | 22:21 | 724253 | 1.06 | 1.3193 | 9.737 | 9.737 | 0.0479 | 0.0479 | 97.37 | |
| PCB-25 | 22:34 | 377061 | 1.04 | 1.3523 | 4.946 | 4.946 | 0.0467 | 0.0467 | 98.91 | |
| PCB-31 | 22:53 | 383109 | 1.07 | 1.3809 | 4.921 | 4.921 | 0.0458 | 0.0458 | 98.42 | |
| PCB-20 | 23:12 | 700784 | 1.08 | 1.3057 | 9.520 | 9.520 | 0.0484 | 0.0484 | 95.20 | |
| PCB-28 (C20) | 23:12 | 700784 | 1.08 | 1.3057 | 9.520 | 9.520 | 0.0484 | 0.0484 | 95.20 | |
| PCB-21 | 23:22 | 752775 | 1.05 | 1.3777 | 9.692 | 9.692 | 0.0459 | 0.0459 | 96.92 | Ma |
| PCB-33 (C21) | 23:22 | 752775 | 1.05 | 1.3777 | 9.692 | 9.692 | 0.0459 | 0.0459 | 96.92 | Ma |
| PCB-22 | 23:49 | 356260 | 1.01 | 1.2430 | 5.084 | 5.084 | 0.0508 | 0.0508 | 102 | |
| PCB-36 | 25:22 | 370462 | 1.07 | 1.3468 | 4.879 | 4.879 | 0.0469 | 0.0469 | 97.57 | Ma |
| PCB-39 | 25:44 | 384617 | 1.04 | 1.3970 | 4.883 | 4.883 | 0.0452 | 0.0452 | 97.66 | |
| PCB-38 | 26:19 | 352193 | 1.07 | 1.3177 | 4.741 | 4.741 | 0.0480 | 0.0480 | 94.82 | |
| PCB-35 | 26:47 | 324345 | 1.07 | 1.2166 | 4.728 | 4.728 | 0.0519 | 0.0519 | 94.57 | Ma |
| PCB-37 | 27:11 | 352271 | 1.07 | 1.2879 | 4.851 | 4.851 | 0.0491 | 0.0491 | 97.03 | |
| S Total Tetrachlorobiphen | | | | | 204.7 | 204.7 | 0.0447 | 0.0447 | | |
| D PCB-54L | 20:26 | 1397529 | 0.81 | 0.6515 | 99.6 | 99.6 | 0.0543 | 0.0543 | 99.64 | |
| * PCB-52L | 24:59 | 3866536 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| $ PCB-79L | 32:55 | 279860 | 0.79 | 1.1239 | 5.615 | 5.615 | 0.1868 | 0.1868 | 112 | |
| D PCB-81L | 33:55 | 4420116 | 0.78 | 1.2328 | 92.7 | 92.7 | 0.1637 | 0.1637 | 92.73 | |
| D PCB-77L | 34:29 | 4449542 | 0.82 | 1.2523 | 91.9 | 91.9 | 0.1612 | 0.1612 | 91.90 | |
| PCB-54 | 20:26 | 84803 | 0.77 | 1.2558 | 4.832 | 4.832 | 0.0169 | 0.0169 | 96.64 | |
| PCB-50 | 22:38 | 419667 | 0.78 | 0.9362 | 10.1 | 10.1 | 0.0569 | 0.0569 | 101 | |
| PCB-53 (C50) | 22:38 | 419667 | 0.78 | 0.9362 | 10.1 | 10.1 | 0.0569 | 0.0569 | 101 | |
| PCB-45 | 23:22 | 396129 | 0.80 | 0.8850 | 10.1 | 10.1 | 0.0602 | 0.0602 | 101 | Ma |
| PCB-51 (C45) | 23:22 | 396129 | 0.80 | 0.8850 | 10.1 | 10.1 | 0.0602 | 0.0602 | 101 | Ma |
| PCB-46 | 23:36 | 170589 | 0.79 | 0.7591 | 5.067 | 5.067 | 0.0702 | 0.0702 | 101 | M |
| PCB-52 | 25:01 | 204488 | 0.80 | 0.8992 | 5.128 | 5.128 | 0.0593 | 0.0593 | 103 | Ma |
| PCB-43 | 25:10 | 446416 | 0.78 | 0.9993 | 10.1 | 10.1 | 0.0533 | 0.0533 | 101 | Ma |
| PCB-73 (C43) | 25:10 | 446416 | 0.78 | 0.9993 | 10.1 | 10.1 | 0.0533 | 0.0533 | 101 | Ma |
| PCB-49 | 25:29 | 488138 | 0.78 | 1.1366 | 9.684 | 9.684 | 0.0469 | 0.0469 | 96.84 | Ma |
| PCB-69 (C49) | 25:29 | 488138 | 0.78 | 1.1366 | 9.684 | 9.684 | 0.0469 | 0.0469 | 96.84 | Ma |
| PCB-48 | 25:48 | 202442 | 0.80 | 0.9454 | 4.829 | 4.829 | 0.0564 | 0.0564 | 96.57 | |
| PCB-44 | 26:02 | 651635 | 0.77 | 1.0323 | 14.2 | 14.2 | 0.0516 | 0.0516 | 94.89 | |
| PCB-47 (C44) | 26:02 | 651635 | 0.77 | 1.0323 | 14.2 | 14.2 | 0.0516 | 0.0516 | 94.89 | |
| PCB-65 (C44) | 26:02 | 651635 | 0.77 | 1.0323 | 14.2 | 14.2 | 0.0516 | 0.0516 | 94.89 | |
| PCB-59 | 26:20 | 867590 | 0.79 | 1.3609 | 14.4 | 14.4 | 0.0392 | 0.0392 | 95.83 | |
| PCB-62 (C59) | 26:20 | 867590 | 0.79 | 1.3609 | 14.4 | 14.4 | 0.0392 | 0.0392 | 95.83 | |
| PCB-75 (C59) | 26:20 | 867590 | 0.79 | 1.3609 | 14.4 | 14.4 | 0.0392 | 0.0392 | 95.83 | |
| PCB-42 | 26:32 | 189358 | 0.79 | 0.8670 | 4.925 | 4.925 | 0.0615 | 0.0615 | 98.49 | Ma |
| PCB-40 | 27:02 | 598544 | 0.79 | 0.9179 | 14.7 | 14.7 | 0.0581 | 0.0581 | 98.02 | Ma |
| PCB-41 (C40) | 27:02 | 598544 | 0.79 | 0.9179 | 14.7 | 14.7 | 0.0581 | 0.0581 | 98.02 | Ma |
| PCB-71 (C40) | 27:02 | 598544 | 0.79 | 0.9179 | 14.7 | 14.7 | 0.0581 | 0.0581 | 98.02 | Ma |
| PCB-64 | 27:15 | 317477 | 0.78 | 1.4164 | 5.054 | 5.054 | 0.0376 | 0.0376 | 101 | Ma |
| PCB-72 | 28:05 | 294991 | 0.81 | 1.3157 | 5.055 | 5.055 | 0.0405 | 0.0405 | 101 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:23 | 325454 | 0.79 | 1.4782 | 4.964 | 4.964 | 0.0361 | 0.0361 | 99.29 | |
| PCB-57 | 28:48 | 274851 | 0.78 | 1.2817 | 4.835 | 4.835 | 0.0416 | 0.0416 | 96.71 | |
| PCB-58 | 29:02 | 282269 | 0.75 | 1.3214 | 4.817 | 4.817 | 0.0403 | 0.0403 | 96.34 | |
| PCB-67 | 29:13 | 297988 | 0.75 | 1.3944 | 4.819 | 4.819 | 0.0382 | 0.0382 | 96.37 | |
| PCB-63 | 29:28 | 312280 | 0.80 | 1.4685 | 4.795 | 4.795 | 0.0363 | 0.0363 | 95.90 | |
| PCB-61 | 29:49 | 1143091 | 0.78 | 1.3565 | 19.0 | 19.0 | 0.0393 | 0.0393 | 95.00 | Ma |
| PCB-70 (C61) | 29:49 | 1143091 | 0.78 | 1.3565 | 19.0 | 19.0 | 0.0393 | 0.0393 | 95.00 | Ma |
| PCB-74 (C61) | 29:49 | 1143091 | 0.78 | 1.3565 | 19.0 | 19.0 | 0.0393 | 0.0393 | 95.00 | Ma |
| PCB-76 (C61) | 29:49 | 1143091 | 0.78 | 1.3565 | 19.0 | 19.0 | 0.0393 | 0.0393 | 95.00 | Ma |
| PCB-66 | 30:08 | 268967 | 0.82 | 1.2800 | 4.738 | 4.738 | 0.0416 | 0.0416 | 94.76 | |
| PCB-55 | 30:18 | 278022 | 0.79 | 1.2951 | 4.840 | 4.840 | 0.0412 | 0.0412 | 96.81 | |
| PCB-56 | 30:48 | 268692 | 0.79 | 1.2671 | 4.782 | 4.782 | 0.0421 | 0.0421 | 95.63 | |
| PCB-60 | 31:01 | 283116 | 0.78 | 1.3288 | 4.804 | 4.804 | 0.0401 | 0.0401 | 96.08 | |
| PCB-80 | 31:26 | 325763 | 0.81 | 1.4694 | 4.999 | 4.999 | 0.0363 | 0.0363 | 99.98 | Ma |
| PCB-79 | 32:57 | 332914 | 0.80 | 1.5421 | 4.868 | 4.868 | 0.0346 | 0.0346 | 97.36 | |
| PCB-78 | 33:31 | 273939 | 0.78 | 1.3150 | 4.697 | 4.697 | 0.0405 | 0.0405 | 93.95 | |
| PCB-81 | 33:57 | 276529 | 0.79 | 1.3214 | 4.734 | 4.734 | 0.0398 | 0.0398 | 94.69 | |
| PCB-77 | 34:30 | 285715 | 0.77 | 1.3308 | 4.825 | 4.825 | 0.0406 | 0.0406 | 96.50 | |
| S Total Pentachlorobiphen | | | | | 218.9 | 218.9 | 0.0381 | 0.0381 | | |
| D PCB-104L | 25:57 | 3504021 | 1.61 | 1.1164 | 99.5 | 99.5 | 0.0168 | 0.0168 | 99.52 | |
| $ PCB-95L | 28:54 | 149660 | 1.60 | 0.7770 | 5.497 | 5.497 | 0.0206 | 0.0206 | 110 | |
| * PCB-101L | 31:51 | 3153732 | 1.60 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:33 | 198083 | 1.70 | 1.2177 | 5.158 | 5.158 | 0.0154 | 0.0154 | 103 | |
| D PCB-123L | 36:30 | 4498685 | 1.57 | 0.9909 | 98.8 | 98.8 | 1.051 | 1.051 | 98.78 | |
| D PCB-118L | 36:50 | 4705804 | 1.61 | 1.0256 | 99.8 | 99.8 | 1.016 | 1.016 | 99.84 | |
| D PCB-114L | 37:21 | 4571584 | 1.61 | 1.0030 | 99.2 | 99.2 | 1.039 | 1.039 | 99.18 | |
| D PCB-105L | 38:00 | 4502539 | 1.58 | 1.0013 | 97.8 | 97.8 | 1.040 | 1.040 | 97.85 | |
| * PCB-127L | 39:29 | 4595686 | 1.59 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:05 | 4033220 | 1.59 | 0.9020 | 97.3 | 97.3 | 1.155 | 1.155 | 97.29 | |
| PCB-104 | 25:58 | 232826 | 1.63 | 1.3926 | 4.771 | 4.771 | 0.0145 | 0.0145 | 95.43 | |
| PCB-96 | 26:20 | 203124 | 1.61 | 1.2268 | 4.725 | 4.725 | 0.0164 | 0.0164 | 94.50 | |
| PCB-103 | 28:17 | 171389 | 1.53 | 1.0331 | 4.735 | 4.735 | 0.0195 | 0.0195 | 94.69 | |
| PCB-94 | 28:30 | 154612 | 1.63 | 0.9036 | 4.883 | 4.883 | 0.0223 | 0.0223 | 97.66 | |
| PCB-95 | 28:56 | 162351 | 1.59 | 0.9620 | 4.816 | 4.816 | 0.0209 | 0.0209 | 96.32 | |
| PCB-93 | 29:10 | 321164 | 1.53 | 0.9806 | 9.347 | 9.347 | 0.0206 | 0.0206 | 93.47 | |
| PCB-100 (C93) | 29:10 | 321164 | 1.53 | 0.9806 | 9.347 | 9.347 | 0.0206 | 0.0206 | 93.47 | |
| PCB-98 | 29:19 | 331906 | 1.61 | 0.9888 | 9.579 | 9.579 | 0.0204 | 0.0204 | 95.79 | Ma |
| PCB-102 (C98) | 29:19 | 331906 | 1.61 | 0.9888 | 9.579 | 9.579 | 0.0204 | 0.0204 | 95.79 | Ma |
| PCB-88 | 29:49 | 326482 | 1.58 | 1.0052 | 9.269 | 9.269 | 0.0200 | 0.0200 | 92.69 | |
| PCB-91 (C88) | 29:49 | 326482 | 1.58 | 1.0052 | 9.269 | 9.269 | 0.0200 | 0.0200 | 92.69 | |
| PCB-84 | 30:01 | 143449 | 1.52 | 0.8601 | 4.760 | 4.760 | 0.0234 | 0.0234 | 95.19 | |
| PCB-89 | 30:30 | 153929 | 1.57 | 0.8936 | 4.916 | 4.916 | 0.0226 | 0.0226 | 98.32 | |
| PCB-121 | 30:56 | 237469 | 1.62 | 1.3971 | 4.851 | 4.851 | 0.0144 | 0.0144 | 97.01 | |
| PCB-92 | 31:18 | 160798 | 1.61 | 0.9532 | 4.814 | 4.814 | 0.0211 | 0.0211 | 96.28 | |
| PCB-90 | 31:52 | 570910 | 1.53 | 1.1367 | 14.3 | 14.3 | 0.0177 | 0.0177 | 95.56 | |
| PCB-101 (C90) | 31:52 | 570910 | 1.53 | 1.1367 | 14.3 | 14.3 | 0.0177 | 0.0177 | 95.56 | |
| PCB-113 (C90) | 31:52 | 570910 | 1.53 | 1.1367 | 14.3 | 14.3 | 0.0177 | 0.0177 | 95.56 | |
| PCB-83 | 32:28 | 317328 | 1.54 | 0.9393 | 9.641 | 9.641 | 0.0215 | 0.0215 | 96.41 | |
| PCB-99 (C83) | 32:28 | 317328 | 1.54 | 0.9393 | 9.641 | 9.641 | 0.0215 | 0.0215 | 96.41 | |
| PCB-112 | 32:35 | 235571 | 1.61 | 1.3672 | 4.917 | 4.917 | 0.0147 | 0.0147 | 98.35 | |
| PCB-86 | 32:57 | 1154367 | 1.58 | 1.1958 | 27.6 | 27.6 | 0.0169 | 0.0169 | 91.83 | Ma |
| PCB-87 (C86) | 32:57 | 1154367 | 1.58 | 1.1958 | 27.6 | 27.6 | 0.0169 | 0.0169 | 91.83 | Ma |
| PCB-97 (C86) | 32:57 | 1154367 | 1.58 | 1.1958 | 27.6 | 27.6 | 0.0169 | 0.0169 | 91.83 | Ma |
| PCB-109 (C86) | 32:57 | 1154367 | 1.58 | 1.1958 | 27.6 | 27.6 | 0.0169 | 0.0169 | 91.83 | Ma |
| PCB-119 (C86) | 32:57 | 1154367 | 1.58 | 1.1958 | 27.6 | 27.6 | 0.0169 | 0.0169 | 91.83 | Ma |
| PCB-125 (C86) | 32:57 | 1154367 | 1.58 | 1.1958 | 27.6 | 27.6 | 0.0169 | 0.0169 | 91.83 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:41 | 597969 | 1.58 | 1.2126 | 14.1 | 14.1 | 0.0166 | 0.0166 | 93.82 | |
| PCB-116 (C85) | 33:41 | 597969 | 1.58 | 1.2126 | 14.1 | 14.1 | 0.0166 | 0.0166 | 93.82 | |
| PCB-117 (C85) | 33:41 | 597969 | 1.58 | 1.2126 | 14.1 | 14.1 | 0.0166 | 0.0166 | 93.82 | |
| PCB-110 | 33:51 | 453130 | 1.59 | 1.3511 | 9.571 | 9.571 | 0.0149 | 0.0149 | 95.71 | Ma |
| PCB-115 (C110) | 33:51 | 453130 | 1.59 | 1.3511 | 9.571 | 9.571 | 0.0149 | 0.0149 | 95.71 | Ma |
| PCB-82 | 34:10 | 141190 | 1.57 | 0.8675 | 4.645 | 4.645 | 0.0232 | 0.0232 | 92.90 | |
| PCB-111 | 34:35 | 238818 | 1.57 | 1.4262 | 4.779 | 4.779 | 0.0141 | 0.0141 | 95.58 | |
| PCB-120 | 35:02 | 248031 | 1.58 | 1.4907 | 4.748 | 4.748 | 0.0135 | 0.0135 | 94.97 | |
| PCB-108 | 36:10 | 525589 | 1.61 | 1.2547 | 9.388 | 9.388 | 0.0815 | 0.0815 | 93.88 | |
| PCB-124 (C108) | 36:10 | 525589 | 1.61 | 1.2547 | 9.388 | 9.388 | 0.0815 | 0.0815 | 93.88 | |
| PCB-107 | 36:25 | 293349 | 1.52 | 1.3580 | 4.841 | 4.841 | 0.0753 | 0.0753 | 96.82 | |
| PCB-123 | 36:32 | 292490 | 1.58 | 1.3407 | 4.850 | 4.850 | 0.0738 | 0.0738 | 96.99 | |
| PCB-106 | 36:39 | 283593 | 1.56 | 1.2749 | 4.985 | 4.985 | 0.0802 | 0.0802 | 99.70 | |
| PCB-118 | 36:51 | 296024 | 1.58 | 1.2892 | 4.880 | 4.880 | 0.0744 | 0.0744 | 97.59 | |
| PCB-122 | 37:12 | 257689 | 1.55 | 1.1614 | 4.972 | 4.972 | 0.0880 | 0.0880 | 99.45 | |
| PCB-114 | 37:23 | 306367 | 1.65 | 1.4051 | 4.770 | 4.770 | 0.0705 | 0.0705 | 95.39 | |
| PCB-105 | 38:02 | 280544 | 1.62 | 1.2887 | 4.835 | 4.835 | 0.0778 | 0.0778 | 96.70 | |
| PCB-127 | 39:30 | 280721 | 1.56 | 1.2841 | 4.899 | 4.899 | 0.0796 | 0.0796 | 97.98 | |
| PCB-126 | 41:07 | 259825 | 1.55 | 1.3416 | 4.802 | 4.802 | 0.0894 | 0.0894 | 96.04 | |
| S Total Hexachlorobipheny | | | | | 201.7 | 201.7 | 0.0353 | 0.0353 | | |
| D PCB-155L | 31:38 | 3032405 | 1.27 | 0.9499 | 101.2 | 101.2 | 0.0244 | 0.0244 | 101 | |
| $ PCB-153L | 38:43 | 218660 | 1.21 | 0.9597 | 5.740 | 5.740 | 0.6274 | 0.6274 | 115 | |
| * PCB-138L | 39:57 | 3377093 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:58 | 4186858 | 1.29 | 1.2544 | 98.8 | 98.8 | 0.4774 | 0.4774 | 98.83 | |
| D PCB-156L | 44:07 | 8177576 | 1.28 | 1.2289 | 197.0 | 197.0 | 0.4873 | 0.4873 | 98.52 | |
| D PCB-157L (C156L) | 44:07 | 8177576 | 1.28 | 1.2289 | 197.0 | 197.0 | 0.4873 | 0.4873 | 98.52 | |
| D PCB-169L | 47:22 | 3513305 | 1.28 | 1.0883 | 95.6 | 95.6 | 0.5502 | 0.5502 | 95.59 | |
| PCB-155 | 31:40 | 189076 | 1.28 | 1.3028 | 4.786 | 4.786 | 0.0101 | 0.0101 | 95.72 | |
| PCB-152 | 31:51 | 176852 | 1.26 | 1.2556 | 4.645 | 4.645 | 0.0105 | 0.0105 | 92.89 | |
| PCB-150 | 32:01 | 181636 | 1.26 | 1.2368 | 4.843 | 4.843 | 0.0106 | 0.0106 | 96.86 | |
| PCB-136 | 32:23 | 163656 | 1.29 | 1.1563 | 4.667 | 4.667 | 0.0114 | 0.0114 | 93.35 | |
| PCB-145 | 32:41 | 172706 | 1.29 | 1.1910 | 4.782 | 4.782 | 0.0110 | 0.0110 | 95.64 | |
| PCB-148 | 34:12 | 129916 | 1.23 | 0.8982 | 4.770 | 4.770 | 0.0146 | 0.0146 | 95.40 | |
| PCB-135 | 34:46 | 247239 | 1.29 | 0.8691 | 9.381 | 9.381 | 0.0151 | 0.0151 | 93.81 | Ma |
| PCB-151 (C135) | 34:46 | 247239 | 1.29 | 0.8691 | 9.381 | 9.381 | 0.0151 | 0.0151 | 93.81 | Ma |
| PCB-154 | 35:03 | 144479 | 1.30 | 1.0180 | 4.680 | 4.680 | 0.0129 | 0.0129 | 93.60 | |
| PCB-144 | 35:21 | 132147 | 1.32 | 0.9185 | 4.745 | 4.745 | 0.0143 | 0.0143 | 94.89 | |
| PCB-147 | 35:43 | 371588 | 1.29 | 0.9747 | 9.604 | 9.604 | 0.0485 | 0.0485 | 96.04 | |
| PCB-149 (C147) | 35:43 | 371588 | 1.29 | 0.9747 | 9.604 | 9.604 | 0.0485 | 0.0485 | 96.04 | |
| PCB-134 | 36:00 | 327593 | 1.23 | 0.8518 | 9.689 | 9.689 | 0.0555 | 0.0555 | 96.89 | |
| PCB-143 (C134) | 36:00 | 327593 | 1.23 | 0.8518 | 9.689 | 9.689 | 0.0555 | 0.0555 | 96.89 | |
| PCB-139 | 36:19 | 377274 | 1.24 | 0.9995 | 9.509 | 9.509 | 0.0473 | 0.0473 | 95.09 | |
| PCB-140 (C139) | 36:19 | 377274 | 1.24 | 0.9995 | 9.509 | 9.509 | 0.0473 | 0.0473 | 95.09 | |
| PCB-131 | 36:31 | 170333 | 1.18 | 0.8584 | 4.999 | 4.999 | 0.0551 | 0.0551 | 99.98 | |
| PCB-142 | 36:40 | 163736 | 1.26 | 0.8597 | 4.798 | 4.798 | 0.0550 | 0.0550 | 95.96 | |
| PCB-132 | 36:58 | 162129 | 1.32 | 0.8801 | 4.641 | 4.641 | 0.0537 | 0.0537 | 92.82 | |
| PCB-133 | 37:29 | 172954 | 1.28 | 0.9064 | 4.807 | 4.807 | 0.0522 | 0.0522 | 96.14 | |
| PCB-165 | 37:52 | 217228 | 1.26 | 1.1210 | 4.882 | 4.882 | 0.0422 | 0.0422 | 97.64 | |
| PCB-146 | 38:08 | 189489 | 1.28 | 1.0084 | 4.734 | 4.734 | 0.0469 | 0.0469 | 94.68 | |
| PCB-161 | 38:16 | 261885 | 1.26 | 1.3370 | 4.935 | 4.935 | 0.0354 | 0.0354 | 98.69 | |
| PCB-153 | 38:47 | 463808 | 1.23 | 1.2207 | 9.572 | 9.572 | 0.0387 | 0.0387 | 95.72 | |
| PCB-168 (C153) | 38:47 | 463808 | 1.23 | 1.2207 | 9.572 | 9.572 | 0.0387 | 0.0387 | 95.72 | |
| PCB-141 | 38:56 | 178814 | 1.28 | 0.9608 | 4.689 | 4.689 | 0.0492 | 0.0492 | 93.77 | |
| PCB-130 | 39:20 | 158789 | 1.25 | 0.8274 | 4.835 | 4.835 | 0.0572 | 0.0572 | 96.69 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:34 | 210709 | 1.25 | 1.0582 | 5.016 | 5.016 | 0.0447 | 0.0447 | 100 | |
| PCB-164 | 39:41 | 236038 | 1.27 | 1.2527 | 4.747 | 4.747 | 0.0378 | 0.0378 | 94.94 | |
| PCB-129 | 40:00 | 821725 | 1.23 | 1.0840 | 19.1 | 19.1 | 0.0436 | 0.0436 | 95.49 | Ma |
| PCB-138 (C129) | 40:00 | 821725 | 1.23 | 1.0840 | 19.1 | 19.1 | 0.0436 | 0.0436 | 95.49 | Ma |
| PCB-160 (C129) | 40:00 | 821725 | 1.23 | 1.0840 | 19.1 | 19.1 | 0.0436 | 0.0436 | 95.49 | Ma |
| PCB-163 (C129) | 40:00 | 821725 | 1.23 | 1.0840 | 19.1 | 19.1 | 0.0436 | 0.0436 | 95.49 | Ma |
| PCB-158 | 40:23 | 270534 | 1.26 | 1.3862 | 4.917 | 4.917 | 0.0341 | 0.0341 | 98.33 | |
| PCB-128 | 41:13 | 433379 | 1.29 | 1.1165 | 9.779 | 9.779 | 0.0424 | 0.0424 | 97.79 | Ma |
| PCB-166 (C128) | 41:13 | 433379 | 1.29 | 1.1165 | 9.779 | 9.779 | 0.0424 | 0.0424 | 97.79 | Ma |
| PCB-159 | 42:14 | 253955 | 1.23 | 1.3178 | 4.855 | 4.855 | 0.0359 | 0.0359 | 97.10 | |
| PCB-162 | 42:31 | 270981 | 1.33 | 1.3623 | 5.011 | 5.011 | 0.0347 | 0.0347 | 100 | |
| PCB-167 | 43:00 | 269837 | 1.26 | 1.3357 | 4.825 | 4.825 | 0.0288 | 0.0288 | 96.50 | |
| PCB-156 | 44:09 | 498584 | 1.23 | 1.2759 | 9.557 | 9.557 | 0.0421 | 0.0421 | 95.57 | |
| PCB-157 (C156) | 44:09 | 498584 | 1.23 | 1.2759 | 9.557 | 9.557 | 0.0421 | 0.0421 | 95.57 | |
| PCB-169 | 47:22 | 222540 | 1.23 | 1.2825 | 4.939 | 4.939 | 0.0366 | 0.0366 | 98.78 | |
| S Total Heptachlorobiphen | | | | | 114.5 | 114.5 | 0.0130 | 0.0130 | | |
| D PCB-188L | 37:22 | 3867481 | 1.05 | 1.3162 | 96.6 | 96.6 | 0.0192 | 0.0192 | 96.64 | |
| $ PCB-178L | 40:25 | 138131 | 1.10 | 0.9222 | 4.926 | 4.926 | 0.0274 | 0.0274 | 98.52 | |
| * PCB-180L | 45:32 | 3040623 | 1.07 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:46 | 2551480 | 1.11 | 0.8357 | 100.4 | 100.4 | 0.0302 | 0.0302 | 100 | |
| D PCB-189L | 49:54 | 4843863 | 1.04 | 1.4666 | 99.4 | 99.4 | 0.2009 | 0.2009 | 99.37 | |
| PCB-188 | 37:23 | 233440 | 1.04 | 1.2502 | 4.828 | 4.828 | 0.009558 | 0.009558 | 96.56 | |
| PCB-179 | 37:44 | 216184 | 1.07 | 1.4149 | 4.761 | 4.761 | 0.0102 | 0.0102 | 95.21 | |
| PCB-184 | 38:16 | 219332 | 1.05 | 1.4191 | 4.816 | 4.816 | 0.0102 | 0.0102 | 96.31 | |
| PCB-176 | 38:36 | 233837 | 1.08 | 1.5212 | 4.790 | 4.790 | 0.009532 | 0.009532 | 95.79 | |
| PCB-186 | 39:04 | 219426 | 1.10 | 1.4350 | 4.764 | 4.764 | 0.0101 | 0.0101 | 95.29 | |
| PCB-178 | 40:27 | 154671 | 1.10 | 1.0228 | 4.712 | 4.712 | 0.0142 | 0.0142 | 94.24 | |
| PCB-175 | 41:05 | 164997 | 1.07 | 1.0690 | 4.809 | 4.809 | 0.0136 | 0.0136 | 96.18 | |
| PCB-187 | 41:21 | 166721 | 1.06 | 1.1106 | 4.677 | 4.677 | 0.0131 | 0.0131 | 93.55 | |
| PCB-182 | 41:34 | 175046 | 1.05 | 1.1484 | 4.749 | 4.749 | 0.0126 | 0.0126 | 94.99 | |
| PCB-183 | 41:58 | 342077 | 1.06 | 1.1368 | 9.375 | 9.375 | 0.0128 | 0.0128 | 93.75 | Ma |
| PCB-185 (C183) | 41:58 | 342077 | 1.06 | 1.1368 | 9.375 | 9.375 | 0.0128 | 0.0128 | 93.75 | Ma |
| PCB-174 | 42:13 | 147090 | 1.04 | 0.9547 | 4.800 | 4.800 | 0.0152 | 0.0152 | 96.01 | |
| PCB-177 | 42:39 | 146078 | 1.06 | 0.9426 | 4.829 | 4.829 | 0.0154 | 0.0154 | 96.58 | |
| PCB-181 | 43:02 | 172244 | 1.09 | 1.1075 | 4.846 | 4.846 | 0.0131 | 0.0131 | 96.92 | |
| PCB-171 | 43:15 | 297081 | 1.08 | 0.9603 | 9.639 | 9.639 | 0.0151 | 0.0151 | 96.39 | |
| PCB-173 (C171) | 43:15 | 297081 | 1.08 | 0.9603 | 9.639 | 9.639 | 0.0151 | 0.0151 | 96.39 | |
| PCB-172 | 44:53 | 151490 | 1.07 | 0.9918 | 4.759 | 4.759 | 0.0146 | 0.0146 | 95.18 | |
| PCB-192 | 45:11 | 197816 | 1.04 | 1.2904 | 4.777 | 4.777 | 0.0112 | 0.0112 | 95.53 | |
| PCB-180 | 45:30 | 372695 | 1.05 | 1.2286 | 9.452 | 9.452 | 0.0118 | 0.0118 | 94.52 | |
| PCB-193 (C180) | 45:30 | 372695 | 1.05 | 1.2286 | 9.452 | 9.452 | 0.0118 | 0.0118 | 94.52 | |
| PCB-191 | 45:54 | 212919 | 1.04 | 1.3848 | 4.790 | 4.790 | 0.0105 | 0.0105 | 95.81 | |
| PCB-170 | 46:48 | 151262 | 1.06 | 1.2700 | 4.668 | 4.668 | 0.0145 | 0.0145 | 93.36 | |
| PCB-190 | 47:19 | 210540 | 1.04 | 1.3774 | 4.763 | 4.763 | 0.0105 | 0.0105 | 95.25 | |
| PCB-189 | 49:55 | 300476 | 1.10 | 1.2799 | 4.847 | 4.847 | 0.0251 | 0.0251 | 96.94 | |
| S Total Octachlorobipheny | | | | | 57.6 | 57.6 | 0.0176 | 0.0176 | | |
| D PCB-202L | 42:45 | 2976415 | 0.92 | 1.0055 | 97.3 | 97.3 | 0.0372 | 0.0372 | 97.35 | |
| * PCB-194L | 52:01 | 3323696 | 0.92 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:29 | 4275099 | 0.93 | 1.2867 | 100.0 | 100.0 | 0.0857 | 0.0857 | 99.96 | |
| PCB-202 | 42:46 | 151437 | 0.90 | 1.0531 | 4.832 | 4.832 | 0.0119 | 0.0119 | 96.63 | |
| PCB-201 | 43:41 | 169096 | 0.93 | 1.1860 | 4.790 | 4.790 | 0.0106 | 0.0106 | 95.80 | |
| PCB-204 | 44:23 | 158231 | 0.91 | 1.1009 | 4.829 | 4.829 | 0.0114 | 0.0114 | 96.58 | |
| PCB-197 | 44:36 | 177943 | 0.93 | 1.2053 | 4.960 | 4.960 | 0.0104 | 0.0104 | 99.20 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:42 | 158599 | 0.91 | 1.1260 | 4.732 | 4.732 | 0.0111 | 0.0111 | 94.64 | |
| PCB-198 | 47:30 | 232746 | 0.87 | 0.8183 | 9.556 | 9.556 | 0.0153 | 0.0153 | 95.56 | |
| PCB-199 (C198) | 47:30 | 232746 | 0.87 | 0.8183 | 9.556 | 9.556 | 0.0153 | 0.0153 | 95.56 | |
| PCB-196 | 48:10 | 123147 | 0.91 | 0.8748 | 4.730 | 4.730 | 0.0143 | 0.0143 | 94.59 | |
| PCB-203 | 48:22 | 130606 | 0.91 | 0.9219 | 4.760 | 4.760 | 0.0136 | 0.0136 | 95.20 | |
| PCB-195 | 49:41 | 163167 | 0.90 | 0.7839 | 4.869 | 4.869 | 0.0384 | 0.0384 | 97.38 | Ma |
| PCB-194 | 52:02 | 190183 | 0.91 | 0.9282 | 4.793 | 4.793 | 0.0324 | 0.0324 | 95.86 | |
| PCB-205 | 52:30 | 250640 | 0.93 | 1.2342 | 4.750 | 4.750 | 0.0244 | 0.0244 | 95.00 | |
| S Total Nonachlorobipheny | | | | | 14.6 | 14.6 | 0.0840 | 0.0840 | | |
| D PCB-208L | 49:26 | 3771289 | 0.79 | 1.1383 | 99.7 | 99.7 | 0.2711 | 0.2711 | 99.68 | |
| D PCB-206L | 54:15 | 2962309 | 0.79 | 0.8938 | 99.7 | 99.7 | 0.3453 | 0.3453 | 99.71 | |
| PCB-208 | 49:27 | 212921 | 0.80 | 1.1567 | 4.881 | 4.881 | 0.0787 | 0.0787 | 97.62 | Ma |
| PCB-207 | 50:24 | 229594 | 0.75 | 1.3964 | 4.884 | 4.884 | 0.0738 | 0.0738 | 97.67 | Ma |
| PCB-206 | 54:16 | 169806 | 0.80 | 1.1927 | 4.806 | 4.806 | 0.0995 | 0.0995 | 96.12 | |
| D PCB-209L | 55:54 | 3313924 | 0.71 | 0.9809 | 101.7 | 101.7 | 0.0445 | 0.0445 | 102 | |
| DCB Decachlorobiphenyl | 55:55 | 199748 | 0.74 | 1.2455 | 4.839 | 4.839 | 0.0155 | 0.0155 | 96.79 | |
| S Polychlorinated bipheny | | | | | 994.4 | 994.4 | 0.0349 | 0.0349 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61L21668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Aug-2019 15:59:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-003
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:37:12 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: mcwhirterl Date: 21-Aug-2019 20:17:42

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:49 | 11:48 | 1 | 0.729 | 3893933 | 1534314 | 879 | 2197 | 1746 | | |
| 202.0766 | 11:49 | 11:48 | 1 | 0.729 | 1277420 | 507051 | 555 | 1387 | 914 | 3.05(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:58 | 13:58 | 0 | 0.862 | 4020722 | 1270652 | 879 | 2197 | 1446 | | |
| 202.0766 | 13:58 | 13:58 | 0 | 0.862 | 1266390 | 404164 | 555 | 1387 | 728 | 3.17(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:50 | 11:49 | 1 | 1.001 | 229307 | 88041 | 145 | 362 | 607 | | |
| 190.0363 | 11:49 | 11:49 | 0 | 1.000 | 71942 | 27764 | 64 | 160 | 434 | 3.19(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:49 | 13:49 | 0 | 0.989 | 231684 | 77586 | 145 | 362 | 535 | | |
| 190.0363 | 13:49 | 13:49 | 0 | 0.989 | 70416 | 24649 | 64 | 160 | 385 | 3.29(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:59 | 13:59 | 0 | 1.001 | 234751 | 73556 | 145 | 362 | 507 | | |
| 190.0363 | 13:59 | 13:59 | 0 | 1.001 | 75922 | 24268 | 64 | 160 | 379 | 3.09(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:14 | 14:14 | 0 | 0.878 | 1445409 | 485364 | 453 | 1132 | 1071 | | |
| 236.0376 | 14:14 | 14:14 | 0 | 0.878 | 900613 | 303025 | 266 | 665 | 1139 | 1.60(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:12 | 16:11 | 1 | | 2460642 | 701898 | 453 | 1132 | 1549 | | |
| 236.0376 | 16:12 | 16:11 | 1 | | 1490085 | 427944 | 266 | 665 | 1609 | 1.65(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:03 | 17:01 | 1 | 1.198 | 154962 | 37364 | 453 | 1132 | 82 | | |
| 236.0376 | 17:03 | 17:01 | 1 | 1.198 | 88252 | 23630 | 266 | 665 | 89 | 1.76(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:07 | 20:07 | 0 | 1.241 | 2368969 | 568388 | 453 | 1132 | 1255 | | |
| 236.0376 | 20:07 | 20:07 | 0 | 1.241 | 1447016 | 359494 | 266 | 665 | 1351 | 1.64(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:15 | 14:14 | 0 | 1.001 | 89858 | 30657 | 66 | 165 | 465 | | |
| 223.9974 | 14:15 | 14:14 | 0 | 1.001 | 56029 | 18188 | 54 | 135 | 337 | 1.60(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:25 | 14:25 | 0 | 1.013 | 146382 | 46697 | 66 | 165 | 708 | | |
| 223.9974 | 14:25 | 14:25 | 0 | 1.013 | 92404 | 30109 | 54 | 135 | 558 | 1.58(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:13 | 16:13 | 0 | 1.140 | 138236 | 40784 | 66 | 165 | 618 | | |
| 223.9974 | 16:13 | 16:13 | 0 | 1.140 | 88293 | 25641 | 54 | 135 | 475 | 1.57(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:23 | 16:23 | 0 | 1.152 | 156734 | 45150 | 66 | 165 | 684 | | |
| 223.9974 | 16:23 | 16:23 | 0 | 1.152 | 99175 | 27435 | 54 | 135 | 508 | 1.58(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:37 | 16:37 | 0 | 1.168 | 153285 | 42933 | 66 | 165 | 651 | | |
| 223.9974 | 16:37 | 16:37 | 0 | 1.168 | 93050 | 26464 | 54 | 135 | 490 | 1.65(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | 16:55 | 0 | 1.189 | 145759 | 39754 | 66 | 165 | 602 | | |
| 223.9974 | 16:56 | 16:55 | 0 | 1.189 | 93064 | 25940 | 54 | 135 | 480 | 1.57(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:03 | 17:03 | 0 | 1.199 | 151772 | 41725 | 66 | 165 | 632 | | |
| 223.9974 | 17:03 | 17:03 | 0 | 1.199 | 94704 | 26601 | 54 | 135 | 493 | 1.60(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:41 | 18:40 | 0 | 0.929 | 176350 | 44036 | 66 | 165 | 667 | | |
| 223.9974 | 18:41 | 18:40 | 0 | 0.929 | 113195 | 28648 | 54 | 135 | 531 | 1.56(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:32 | 19:30 | 1 | 0.971 | 155839 | 36987 | 66 | 165 | 560 | | |
| 223.9974 | 19:32 | 19:30 | 1 | 0.971 | 94737 | 22029 | 54 | 135 | 408 | 1.64(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:50 | 0 | 0.986 | 301839 | 46050 | 66 | 165 | 698 | | |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 192425 | 28513 | 54 | 135 | 528 | 1.57(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:50 | 0 | 0.986 | 301839 | 46050 | 66 | 165 | 698 | | |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 192425 | 28513 | 54 | 135 | 528 | 1.57(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | Ma |
| 222.0003 | 20:08 | 20:07 | 1 | 1.001 | 163190 | 36119 | 66 | 165 | 547 | | M |
| 223.9974 | 20:08 | 20:07 | 1 | 1.001 | 104656 | 23274 | 54 | 135 | 431 | 1.56(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:21 | 17:19 | 1 | 0.842 | 657348 | 182046 | 248 | 620 | 734 | | |
| 269.9986 | 17:21 | 17:19 | 1 | 0.842 | 629267 | 174866 | 299 | 747 | 585 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:36 | 20:36 | 0 | | 1117065 | 280772 | 248 | 620 | 1132 | | |
| 269.9986 | 20:36 | 20:36 | 0 | | 1035883 | 262419 | 299 | 747 | 878 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:52 | 22:51 | 0 | | 3370735 | 794365 | 703 | 1757 | 1130 | | |
| 269.9986 | 22:52 | 22:51 | 0 | | 3226285 | 774342 | 584 | 1460 | 1326 | 1.04(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:09 | 23:09 | 0 | 1.013 | 210826 | 43602 | 703 | 1757 | 62 | | |
| 269.9986 | 23:09 | 23:09 | 0 | 1.013 | 204609 | 41971 | 584 | 1460 | 72 | 1.03(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:10 | 27:09 | 1 | 1.188 | 2895712 | 604087 | 703 | 1757 | 859 | | |
| 269.9986 | 27:10 | 27:09 | 1 | 1.188 | 2742215 | 562274 | 584 | 1460 | 963 | 1.06(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:21 | 0 | 1.001 | 42749 | 12346 | 53 | 132 | 233 | | |
| 257.9584 | 17:21 | 17:21 | 0 | 1.001 | 42157 | 11780 | 25 | 62 | 471 | 1.01(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:13 | 19:12 | 1 | 1.108 | 119582 | 25657 | 53 | 132 | 484 | | |
| 257.9584 | 19:13 | 19:12 | 1 | 1.108 | 112232 | 24571 | 25 | 62 | 983 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:13 | 19:12 | 1 | 1.108 | 119582 | 25657 | 53 | 132 | 484 | | |
| 257.9584 | 19:13 | 19:12 | 1 | 1.108 | 112232 | 24571 | 25 | 62 | 983 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:39 | 19:38 | 0 | 1.133 | 53154 | 13348 | 53 | 132 | 252 | | |
| 257.9584 | 19:39 | 19:38 | 0 | 1.133 | 45884 | 11725 | 25 | 62 | 469 | 1.16(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:51 | 19:51 | 0 | 1.145 | 68835 | 18034 | 53 | 132 | 340 | | |
| 257.9584 | 19:51 | 19:51 | 0 | 1.145 | 64207 | 16218 | 25 | 62 | 649 | 1.07(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | 19:59 | 0 | 1.152 | 65515 | 16969 | 53 | 132 | 320 | | |
| 257.9584 | 19:59 | 19:59 | 0 | 1.152 | 62941 | 15506 | 25 | 62 | 620 | 1.04(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:06 | 20:06 | 0 | 1.159 | 37925 | 9631 | 53 | 132 | 182 | | |
| 257.9584 | 20:06 | 20:06 | 0 | 1.159 | 37417 | 9491 | 25 | 62 | 380 | 1.01(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:37 | 20:37 | 0 | 1.189 | 76657 | 18556 | 53 | 132 | 350 | | |
| 257.9584 | 20:37 | 20:37 | 0 | 1.189 | 70675 | 17607 | 25 | 62 | 704 | 1.08(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:53 | 21:53 | 0 | 1.262 | 181632 | 45248 | 141 | 352 | 321 | | |
| 257.9584 | 21:53 | 21:53 | 0 | 1.262 | 168976 | 42168 | 154 | 385 | 274 | 1.07(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | 22:02 | 0 | 1.271 | 182386 | 44425 | 141 | 352 | 315 | | |
| 257.9584 | 22:02 | 22:02 | 0 | 1.271 | 173206 | 41533 | 154 | 385 | 270 | 1.05(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:21 | 22:21 | 0 | 1.289 | 372468 | 67815 | 141 | 352 | 481 | | |
| 257.9584 | 22:21 | 22:21 | 0 | 1.289 | 351785 | 66439 | 154 | 385 | 431 | 1.06(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:21 | 22:21 | 0 | 1.289 | 372468 | 67815 | 141 | 352 | 481 | | |
| 257.9584 | 22:21 | 22:21 | 0 | 1.289 | 351785 | 66439 | 154 | 385 | 431 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:34 | 22:34 | 0 | 0.831 | 191869 | 42852 | 141 | 352 | 304 | | |
| 257.9584 | 22:34 | 22:34 | 0 | 0.831 | 185192 | 39599 | 154 | 385 | 257 | 1.04(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:53 | 22:53 | 0 | 0.843 | 197825 | 45498 | 141 | 352 | 323 | | |
| 257.9584 | 22:53 | 22:53 | 0 | 0.842 | 185284 | 43011 | 154 | 385 | 279 | 1.07(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:12 | 23:11 | 0 | 0.854 | 363881 | 72543 | 141 | 352 | 514 | | |
| 257.9584 | 23:12 | 23:11 | 0 | 0.854 | 336903 | 69545 | 154 | 385 | 452 | 1.08(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:12 | 23:11 | 0 | 0.854 | 363881 | 72543 | 141 | 352 | 514 | | |
| 257.9584 | 23:12 | 23:11 | 0 | 0.854 | 336903 | 69545 | 154 | 385 | 452 | 1.08(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | Ma |
| 255.9613 | 23:22 | 23:25 | -3 | 0.860 | 386319 | 47534 | 141 | 352 | 337 | | M |
| 257.9584 | 23:25 | 23:25 | 0 | 0.862 | 366456 | 45015 | 154 | 385 | 292 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | Ma |
| 255.9613 | 23:22 | 23:25 | -3 | 0.860 | 386319 | 47534 | 141 | 352 | 337 | | M |
| 257.9584 | 23:25 | 23:25 | 0 | 0.862 | 366456 | 45015 | 154 | 385 | 292 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:49 | 23:49 | 0 | 0.877 | 179392 | 39996 | 141 | 352 | 284 | | |
| 257.9584 | 23:48 | 23:49 | 0 | 0.876 | 176868 | 39076 | 154 | 385 | 254 | 1.01(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | Ma |
| 255.9613 | 25:22 | 25:22 | 0 | 0.934 | 191177 | 41327 | 141 | 352 | 293 | | M |
| 257.9584 | 25:22 | 25:22 | 0 | 0.934 | 179285 | 38827 | 154 | 385 | 252 | 1.07(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:44 | 25:44 | 0 | 0.948 | 195657 | 42443 | 141 | 352 | 301 | | |
| 257.9584 | 25:44 | 25:44 | 0 | 0.947 | 188960 | 39901 | 154 | 385 | 259 | 1.04(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:19 | 26:19 | 0 | 0.969 | 181940 | 39236 | 141 | 352 | 278 | | |
| 257.9584 | 26:19 | 26:19 | 0 | 0.969 | 170253 | 36062 | 154 | 385 | 234 | 1.07(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | Ma |
| 255.9613 | 26:47 | 26:46 | 1 | 0.986 | 167542 | 36183 | 141 | 352 | 257 | | M |
| 257.9584 | 26:47 | 26:46 | 1 | 0.986 | 156803 | 33090 | 154 | 385 | 215 | 1.07(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:11 | 27:11 | 0 | 1.000 | 182128 | 36575 | 141 | 352 | 259 | | |
| 257.9584 | 27:11 | 27:11 | 0 | 1.000 | 170143 | 35252 | 154 | 385 | 229 | 1.07(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:26 | 20:25 | 1 | 0.817 | 624065 | 162768 | 70 | 175 | 2325 | | |
| 303.9597 | 20:25 | 20:25 | 0 | 0.817 | 773464 | 190416 | 7 | 17 | 27202 | 0.81(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:59 | 25:00 | 0 | | 1703651 | 387188 | 285 | 712 | 1359 | | |
| 303.9597 | 24:59 | 25:00 | 0 | | 2162885 | 500589 | 432 | 1080 | 1159 | 0.79(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:55 | 32:56 | 0 | 0.971 | 123263 | 25394 | 285 | 712 | 89 | | |
| 303.9597 | 32:55 | 32:56 | 0 | 0.971 | 156597 | 31752 | 432 | 1080 | 74 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:55 | 33:56 | -1 | 1.357 | 1938607 | 383443 | 285 | 712 | 1345 | | |
| 303.9597 | 33:56 | 33:56 | 0 | 1.358 | 2481509 | 482224 | 432 | 1080 | 1116 | 0.78(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:29 | 34:29 | 0 | 1.380 | 1998816 | 373895 | 285 | 712 | 1312 | | |
| 303.9597 | 34:29 | 34:29 | 0 | 1.380 | 2450726 | 467447 | 432 | 1080 | 1082 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:26 | 20:26 | 0 | 1.000 | 36778 | 8953 | 10 | 25 | 895 | | |
| 291.9194 | 20:26 | 20:26 | 0 | 1.000 | 48025 | 12302 | 20 | 50 | 615 | 0.77(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:38 | 22:37 | 1 | 1.108 | 183238 | 33562 | 82 | 205 | 409 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.107 | 236429 | 42193 | 100 | 250 | 422 | 0.78(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:38 | 22:37 | 1 | 1.108 | 183238 | 33562 | 82 | 205 | 409 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.107 | 236429 | 42193 | 100 | 250 | 422 | 0.78(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:22 | 23:21 | 0 | 1.144 | 175696 | 23583 | 82 | 205 | 288 | | M |
| 291.9194 | 23:22 | 23:21 | 0 | 1.144 | 220433 | 28663 | 100 | 250 | 287 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:22 | 23:21 | 0 | 1.144 | 175696 | 23583 | 82 | 205 | 288 | | M |
| 291.9194 | 23:22 | 23:21 | 0 | 1.144 | 220433 | 28663 | 100 | 250 | 287 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | M |
| 289.9224 | 23:36 | 23:35 | 1 | 1.155 | 75318 | 17185 | 82 | 205 | 210 | | |
| 291.9194 | 23:35 | 23:35 | 0 | 1.155 | 95271 | 22742 | 100 | 250 | 227 | 0.79(0.65-0.89) | M |
| PCB-52 | | | | | | | | | | | Ma |
| 289.9224 | 25:01 | 25:00 | 0 | 1.225 | 90844 | 21352 | 82 | 205 | 260 | | M |
| 291.9194 | 25:01 | 25:00 | 0 | 1.225 | 113644 | 27209 | 100 | 250 | 272 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:10 | 25:09 | 0 | 1.232 | 195138 | 27866 | 82 | 205 | 340 | | M |
| 291.9194 | 25:10 | 25:09 | 0 | 1.232 | 251278 | 33964 | 100 | 250 | 340 | 0.78(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:10 | 25:09 | 0 | 1.232 | 195138 | 27866 | 82 | 205 | 340 | | M |
| 291.9194 | 25:10 | 25:09 | 0 | 1.232 | 251278 | 33964 | 100 | 250 | 340 | 0.78(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | Ma |
| 289.9224 | 25:29 | 25:29 | 0 | 1.248 | 214017 | 35369 | 82 | 205 | 431 | | M |
| 291.9194 | 25:28 | 25:29 | 0 | 1.247 | 274121 | 44621 | 100 | 250 | 446 | 0.78(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | Ma |
| 289.9224 | 25:29 | 25:29 | 0 | 1.248 | 214017 | 35369 | 82 | 205 | 431 | | M |
| 291.9194 | 25:28 | 25:29 | 0 | 1.247 | 274121 | 44621 | 100 | 250 | 446 | 0.78(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:48 | 25:48 | 0 | 1.263 | 89817 | 20537 | 82 | 205 | 250 | | |
| 291.9194 | 25:47 | 25:48 | 0 | 1.263 | 112625 | 25712 | 100 | 250 | 257 | 0.80(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.274 | 283731 | 47980 | 82 | 205 | 585 | | |
| 291.9194 | 26:02 | 26:02 | 0 | 1.274 | 367904 | 62395 | 100 | 250 | 624 | 0.77(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.274 | 283731 | 47980 | 82 | 205 | 585 | | |
| 291.9194 | 26:02 | 26:02 | 0 | 1.274 | 367904 | 62395 | 100 | 250 | 624 | 0.77(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.274 | 283731 | 47980 | 82 | 205 | 585 | | |
| 291.9194 | 26:02 | 26:02 | 0 | 1.274 | 367904 | 62395 | 100 | 250 | 624 | 0.77(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:20 | 1 | 1.289 | 383645 | 57511 | 82 | 205 | 701 | | |
| 291.9194 | 26:19 | 26:20 | 0 | 1.289 | 483945 | 72641 | 100 | 250 | 726 | 0.79(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:20 | 1 | 1.289 | 383645 | 57511 | 82 | 205 | 701 | | |
| 291.9194 | 26:19 | 26:20 | 0 | 1.289 | 483945 | 72641 | 100 | 250 | 726 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:20 | 1 | 1.289 | 383645 | 57511 | 82 | 205 | 701 | | |
| 291.9194 | 26:19 | 26:20 | 0 | 1.289 | 483945 | 72641 | 100 | 250 | 726 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | Ma |
| 289.9224 | 26:32 | 26:33 | 0 | 1.299 | 83442 | 18249 | 82 | 205 | 223 | | M |
| 291.9194 | 26:32 | 26:33 | 0 | 1.299 | 105916 | 24007 | 100 | 250 | 240 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 1 | 1.324 | 263891 | 39349 | 82 | 205 | 480 | | M |
| 291.9194 | 27:02 | 27:02 | 1 | 1.324 | 334653 | 50632 | 100 | 250 | 506 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 1 | 1.324 | 263891 | 39349 | 82 | 205 | 480 | | M |
| 291.9194 | 27:02 | 27:02 | 1 | 1.324 | 334653 | 50632 | 100 | 250 | 506 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 1 | 1.324 | 263891 | 39349 | 82 | 205 | 480 | | M |
| 291.9194 | 27:02 | 27:02 | 1 | 1.324 | 334653 | 50632 | 100 | 250 | 506 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | Ma |
| 289.9224 | 27:15 | 27:15 | 0 | 1.334 | 139303 | 30438 | 82 | 205 | 371 | | M |
| 291.9194 | 27:15 | 27:15 | 0 | 1.334 | 178174 | 40163 | 100 | 250 | 402 | 0.78(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:05 | 28:06 | 0 | 0.828 | 132046 | 29854 | 82 | 205 | 364 | | |
| 291.9194 | 28:05 | 28:06 | 0 | 0.828 | 162945 | 35521 | 100 | 250 | 355 | 0.81(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:23 | 28:23 | 0 | 0.837 | 143935 | 28876 | 82 | 205 | 352 | | |
| 291.9194 | 28:23 | 28:23 | 0 | 0.837 | 181519 | 37087 | 100 | 250 | 371 | 0.79(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:48 | 28:48 | 1 | 0.849 | 120752 | 26537 | 82 | 205 | 324 | | |
| 291.9194 | 28:48 | 28:48 | 1 | 0.849 | 154099 | 34294 | 100 | 250 | 343 | 0.78(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:02 | 29:02 | 0 | 0.856 | 121172 | 25511 | 82 | 205 | 311 | | |
| 291.9194 | 29:02 | 29:02 | 0 | 0.856 | 161097 | 33534 | 100 | 250 | 335 | 0.75(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:13 | 29:12 | 1 | 0.861 | 127716 | 25750 | 82 | 205 | 314 | | |
| 291.9194 | 29:13 | 29:12 | 1 | 0.861 | 170272 | 34109 | 100 | 250 | 341 | 0.75(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:28 | 29:28 | 0 | 0.869 | 138830 | 28663 | 82 | 205 | 350 | | |
| 291.9194 | 29:28 | 29:28 | 0 | 0.869 | 173450 | 35809 | 100 | 250 | 358 | 0.80(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | Ma |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 501370 | 55450 | 82 | 205 | 676 | | M |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 641721 | 68286 | 100 | 250 | 683 | 0.78(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 501370 | 55450 | 82 | 205 | 676 | | M |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 641721 | 68286 | 100 | 250 | 683 | 0.78(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 501370 | 55450 | 82 | 205 | 676 | | M |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 641721 | 68286 | 100 | 250 | 683 | 0.78(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 501370 | 55450 | 82 | 205 | 676 | | M |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 641721 | 68286 | 100 | 250 | 683 | 0.78(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:08 | 30:08 | 0 | 0.888 | 121356 | 24338 | 82 | 205 | 297 | | |
| 291.9194 | 30:08 | 30:08 | 0 | 0.888 | 147611 | 30859 | 100 | 250 | 309 | 0.82(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:18 | 30:18 | 0 | 0.893 | 122907 | 25769 | 82 | 205 | 314 | | |
| 291.9194 | 30:18 | 30:18 | 0 | 0.893 | 155115 | 33296 | 100 | 250 | 333 | 0.79(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:48 | 30:48 | 0 | 0.908 | 118835 | 24963 | 82 | 205 | 304 | | |
| 291.9194 | 30:48 | 30:48 | 0 | 0.908 | 149857 | 31665 | 100 | 250 | 317 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:01 | 31:00 | 1 | 0.914 | 123642 | 24482 | 82 | 205 | 299 | | |
| 291.9194 | 31:01 | 31:00 | 1 | 0.914 | 159474 | 31986 | 100 | 250 | 320 | 0.78(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | Ma |
| 289.9224 | 31:26 | 31:26 | 1 | 0.927 | 145388 | 29995 | 82 | 205 | 366 | | M |
| 291.9194 | 31:26 | 31:26 | 1 | 0.927 | 180375 | 38244 | 100 | 250 | 382 | 0.81(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:57 | 32:57 | 0 | 0.971 | 148009 | 29144 | 82 | 205 | 355 | | |
| 291.9194 | 32:57 | 32:57 | 0 | 0.971 | 184905 | 34989 | 100 | 250 | 350 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:31 | 33:31 | 0 | 0.988 | 119859 | 24506 | 82 | 205 | 299 | | |
| 291.9194 | 33:31 | 33:31 | 0 | 0.988 | 154080 | 30058 | 100 | 250 | 301 | 0.78(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:57 | 33:57 | 0 | 1.001 | 121986 | 23959 | 82 | 205 | 292 | | |
| 291.9194 | 33:57 | 33:57 | 0 | 1.001 | 154543 | 29560 | 100 | 250 | 296 | 0.79(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:30 | 34:30 | 0 | 1.000 | 124409 | 24151 | 82 | 205 | 295 | | |
| 291.9194 | 34:30 | 34:30 | 0 | 1.000 | 161306 | 29192 | 100 | 250 | 292 | 0.77(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:57 | 25:57 | 0 | 0.814 | 2162661 | 495891 | 43 | 107 | 11532 | | |
| 339.9178 | 25:57 | 25:57 | 0 | 0.815 | 1341360 | 298039 | 8 | 20 | 37255 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:54 | 28:54 | 0 | 1.114 | 92064 | 21144 | 43 | 107 | 492 | | |
| 339.9178 | 28:54 | 28:54 | 0 | 1.114 | 57596 | 12509 | 8 | 20 | 1564 | 1.60(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:51 | 31:51 | 0 | | 1940268 | 419736 | 43 | 107 | 9761 | | |
| 339.9178 | 31:51 | 31:51 | 0 | | 1213464 | 258500 | 8 | 20 | 32313 | 1.60(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:33 | 34:33 | 0 | 1.085 | 124649 | 23629 | 43 | 107 | 550 | | |
| 339.9178 | 34:32 | 34:33 | -1 | 1.084 | 73434 | 14767 | 8 | 20 | 1846 | 1.70(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:30 | 36:30 | 0 | 1.146 | 2748421 | 562501 | 2161 | 5402 | 260 | | |
| 339.9178 | 36:30 | 36:30 | 0 | 1.146 | 1750264 | 351746 | 1513 | 3782 | 232 | 1.57(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:50 | 36:50 | 0 | 1.156 | 2899558 | 591119 | 2161 | 5402 | 274 | | |
| 339.9178 | 36:50 | 36:50 | 0 | 1.156 | 1806246 | 352242 | 1513 | 3782 | 233 | 1.61(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:21 | 37:22 | -1 | 1.173 | 2817263 | 557542 | 2161 | 5402 | 258 | | |
| 339.9178 | 37:21 | 37:22 | -1 | 1.173 | 1754321 | 355655 | 1513 | 3782 | 235 | 1.61(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 38:00 | 38:00 | 0 | 1.193 | 2754728 | 552968 | 2161 | 5402 | 256 | | |
| 339.9178 | 38:00 | 38:00 | 0 | 1.193 | 1747811 | 349170 | 1513 | 3782 | 231 | 1.58(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:29 | 39:30 | -1 | | 2822648 | 541032 | 2161 | 5402 | 250 | | |
| 339.9178 | 39:29 | 39:30 | -1 | | 1773038 | 340617 | 1513 | 3782 | 225 | 1.59(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:05 | 41:05 | 0 | 1.290 | 2478093 | 459573 | 2161 | 5402 | 213 | | |
| 339.9178 | 41:05 | 41:05 | 0 | 1.290 | 1555127 | 295035 | 1513 | 3782 | 195 | 1.59(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:58 | 25:58 | 0 | 1.001 | 144227 | 31473 | 41 | 102 | 768 | | |
| 327.8775 | 25:58 | 25:58 | 0 | 1.001 | 88599 | 20136 | 23 | 57 | 875 | 1.63(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:20 | 26:20 | 1 | 1.015 | 125178 | 28530 | 41 | 102 | 696 | | |
| 327.8775 | 26:20 | 26:20 | 1 | 1.015 | 77946 | 17993 | 23 | 57 | 782 | 1.61(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:17 | 28:16 | 1 | 1.090 | 103722 | 22604 | 41 | 102 | 551 | | |
| 327.8775 | 28:17 | 28:16 | 1 | 1.090 | 67667 | 14904 | 23 | 57 | 648 | 1.53(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:30 | 28:30 | 0 | 1.099 | 95823 | 21789 | 41 | 102 | 531 | | |
| 327.8775 | 28:30 | 28:30 | 0 | 1.099 | 58789 | 12476 | 23 | 57 | 542 | 1.63(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:56 | 28:56 | 0 | 1.115 | 99686 | 21300 | 41 | 102 | 520 | | |
| 327.8775 | 28:56 | 28:56 | 0 | 1.115 | 62665 | 13290 | 23 | 57 | 578 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:10 | 0 | 1.124 | 194417 | 41432 | 41 | 102 | 1011 | | |
| 327.8775 | 29:10 | 29:10 | 0 | 1.124 | 126747 | 26758 | 23 | 57 | 1163 | 1.53(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:10 | 0 | 1.124 | 194417 | 41432 | 41 | 102 | 1011 | | |
| 327.8775 | 29:10 | 29:10 | 0 | 1.124 | 126747 | 26758 | 23 | 57 | 1163 | 1.53(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:19 | 29:18 | 1 | 1.130 | 204586 | 24013 | 41 | 102 | 586 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.129 | 127320 | 15236 | 23 | 57 | 662 | 1.61(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:19 | 29:18 | 1 | 1.130 | 204586 | 24013 | 41 | 102 | 586 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.129 | 127320 | 15236 | 23 | 57 | 662 | 1.61(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:49 | 29:48 | 1 | 1.149 | 199954 | 22284 | 41 | 102 | 544 | | |
| 327.8775 | 29:49 | 29:48 | 1 | 1.149 | 126528 | 14757 | 23 | 57 | 642 | 1.58(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:49 | 29:48 | 1 | 1.149 | 199954 | 22284 | 41 | 102 | 544 | | |
| 327.8775 | 29:49 | 29:48 | 1 | 1.149 | 126528 | 14757 | 23 | 57 | 642 | 1.58(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:01 | 30:01 | 1 | 1.157 | 86500 | 18258 | 41 | 102 | 445 | | |
| 327.8775 | 30:01 | 30:01 | 1 | 1.157 | 56949 | 12127 | 23 | 57 | 527 | 1.52(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:30 | 30:30 | 0 | 1.176 | 94044 | 18759 | 41 | 102 | 458 | | |
| 327.8775 | 30:30 | 30:30 | 0 | 1.176 | 59885 | 12573 | 23 | 57 | 547 | 1.57(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:56 | 30:56 | 0 | 1.192 | 146680 | 31865 | 41 | 102 | 777 | | |
| 327.8775 | 30:56 | 30:56 | 0 | 1.192 | 90789 | 19587 | 23 | 57 | 852 | 1.62(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:18 | 31:18 | 0 | 0.857 | 99085 | 20031 | 41 | 102 | 489 | | |
| 327.8775 | 31:18 | 31:18 | 0 | 0.857 | 61713 | 13354 | 23 | 57 | 581 | 1.61(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.229 | 345636 | 50839 | 41 | 102 | 1240 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.229 | 225274 | 32022 | 23 | 57 | 1392 | 1.53(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.229 | 345636 | 50839 | 41 | 102 | 1240 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.229 | 225274 | 32022 | 23 | 57 | 1392 | 1.53(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.229 | 345636 | 50839 | 41 | 102 | 1240 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.229 | 225274 | 32022 | 23 | 57 | 1392 | 1.53(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:28 | 32:28 | 0 | 1.252 | 192300 | 22715 | 41 | 102 | 554 | | |
| 327.8775 | 32:28 | 32:28 | 0 | 1.252 | 125028 | 14671 | 23 | 57 | 638 | 1.54(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:28 | 32:28 | 0 | 1.252 | 192300 | 22715 | 41 | 102 | 554 | | |
| 327.8775 | 32:28 | 32:28 | 0 | 1.252 | 125028 | 14671 | 23 | 57 | 638 | 1.54(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:35 | 32:35 | 0 | 1.256 | 145282 | 29080 | 41 | 102 | 709 | | |
| 327.8775 | 32:35 | 32:35 | 0 | 1.256 | 90289 | 16833 | 23 | 57 | 732 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 707545 | 80460 | 41 | 102 | 1962 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 446822 | 51251 | 23 | 57 | 2228 | 1.58(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 707545 | 80460 | 41 | 102 | 1962 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 446822 | 51251 | 23 | 57 | 2228 | 1.58(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 707545 | 80460 | 41 | 102 | 1962 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 446822 | 51251 | 23 | 57 | 2228 | 1.58(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 707545 | 80460 | 41 | 102 | 1962 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 446822 | 51251 | 23 | 57 | 2228 | 1.58(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 707545 | 80460 | 41 | 102 | 1962 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 446822 | 51251 | 23 | 57 | 2228 | 1.58(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 707545 | 80460 | 41 | 102 | 1962 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 446822 | 51251 | 23 | 57 | 2228 | 1.58(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | 0 | 1.299 | 366562 | 48314 | 41 | 102 | 1178 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 231407 | 29184 | 23 | 57 | 1269 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | 0 | 1.299 | 366562 | 48314 | 41 | 102 | 1178 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 231407 | 29184 | 23 | 57 | 1269 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | 0 | 1.299 | 366562 | 48314 | 41 | 102 | 1178 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 231407 | 29184 | 23 | 57 | 1269 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | Ma |
| 325.8804 | 33:51 | 33:56 | -5 | 1.305 | 278277 | 30707 | 41 | 102 | 749 | | M |
| 327.8775 | 33:56 | 33:56 | 0 | 1.308 | 174853 | 19265 | 23 | 57 | 838 | 1.59(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | Ma |
| 325.8804 | 33:51 | 33:56 | -5 | 1.305 | 278277 | 30707 | 41 | 102 | 749 | | M |
| 327.8775 | 33:56 | 33:56 | 0 | 1.308 | 174853 | 19265 | 23 | 57 | 838 | 1.59(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:10 | 34:10 | 0 | 1.317 | 86328 | 16643 | 41 | 102 | 406 | | |
| 327.8775 | 34:10 | 34:10 | 0 | 1.317 | 54862 | 10587 | 23 | 57 | 460 | 1.57(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:35 | 34:35 | 0 | 1.333 | 145805 | 29407 | 41 | 102 | 717 | | |
| 327.8775 | 34:35 | 34:35 | 0 | 1.333 | 93013 | 18852 | 23 | 57 | 820 | 1.57(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:02 | 35:02 | 0 | 1.351 | 151710 | 30399 | 41 | 102 | 741 | | |
| 327.8775 | 35:02 | 35:02 | 0 | 1.351 | 96321 | 20107 | 23 | 57 | 874 | 1.58(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.394 | 324421 | 64878 | 225 | 562 | 288 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.394 | 201168 | 40253 | 137 | 342 | 294 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.394 | 324421 | 64878 | 225 | 562 | 288 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.394 | 201168 | 40253 | 137 | 342 | 294 | 1.61(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:25 | 36:25 | 0 | 1.404 | 176979 | 33795 | 225 | 562 | 150 | | |
| 327.8775 | 36:25 | 36:25 | 0 | 1.404 | 116370 | 23129 | 137 | 342 | 169 | 1.52(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:32 | 36:32 | 0 | 1.001 | 179264 | 37154 | 225 | 562 | 165 | | |
| 327.8775 | 36:32 | 36:32 | 0 | 1.001 | 113226 | 23448 | 137 | 342 | 171 | 1.58(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:39 | 36:39 | 0 | 1.004 | 172953 | 33489 | 225 | 562 | 149 | | |
| 327.8775 | 36:39 | 36:39 | 0 | 1.004 | 110640 | 21895 | 137 | 342 | 160 | 1.56(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:51 | 36:51 | 0 | 1.001 | 181188 | 33187 | 225 | 562 | 147 | | |
| 327.8775 | 36:51 | 36:51 | 0 | 1.001 | 114836 | 21413 | 137 | 342 | 156 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:12 | 37:12 | 0 | 1.010 | 156593 | 31716 | 225 | 562 | 141 | | |
| 327.8775 | 37:12 | 37:12 | 0 | 1.010 | 101096 | 20240 | 137 | 342 | 148 | 1.55(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:23 | 37:23 | 0 | 1.001 | 190824 | 36815 | 225 | 562 | 164 | | |
| 327.8775 | 37:23 | 37:23 | 0 | 1.001 | 115543 | 22582 | 137 | 342 | 165 | 1.65(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:02 | 38:02 | 0 | 1.001 | 173543 | 31498 | 225 | 562 | 140 | | |
| 327.8775 | 38:02 | 38:02 | 0 | 1.001 | 107001 | 20414 | 137 | 342 | 149 | 1.62(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:30 | 39:31 | 0 | 1.040 | 170987 | 31866 | 225 | 562 | 142 | | |
| 327.8775 | 39:30 | 39:31 | 0 | 1.040 | 109734 | 20909 | 137 | 342 | 153 | 1.56(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:07 | 41:07 | 0 | 1.001 | 158103 | 27128 | 225 | 562 | 121 | | |
| 327.8775 | 41:07 | 41:07 | 0 | 1.001 | 101722 | 18030 | 137 | 342 | 132 | 1.55(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:38 | 31:38 | 0 | 0.792 | 1694447 | 362364 | 15 | 37 | 24158 | | |
| 373.8788 | 31:38 | 31:38 | 0 | 0.792 | 1337958 | 284844 | 48 | 120 | 5934 | 1.27(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:43 | 38:44 | 0 | 0.901 | 119863 | 24830 | 814 | 2035 | 31 | | |
| 373.8788 | 38:43 | 38:44 | 0 | 0.901 | 98797 | 21359 | 775 | 1937 | 28 | 1.21(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:57 | 39:58 | -1 | | 1890947 | 367835 | 814 | 2035 | 452 | | |
| 373.8788 | 39:58 | 39:58 | 0 | | 1486146 | 295474 | 775 | 1937 | 381 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:58 | 42:58 | 0 | 1.076 | 2356234 | 456033 | 814 | 2035 | 560 | | |
| 373.8788 | 42:58 | 42:58 | 0 | 1.076 | 1830624 | 354880 | 775 | 1937 | 458 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | 0 | 1.104 | 4585184 | 650667 | 814 | 2035 | 799 | | |
| 373.8788 | 44:07 | 44:07 | 0 | 1.104 | 3592392 | 511679 | 775 | 1937 | 660 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | 0 | 1.104 | 4585184 | 650667 | 814 | 2035 | 799 | | |
| 373.8788 | 44:07 | 44:07 | 0 | 1.104 | 3592392 | 511679 | 775 | 1937 | 660 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:22 | 47:22 | 0 | 1.185 | 1969603 | 382276 | 814 | 2035 | 470 | | |
| 373.8788 | 47:22 | 47:22 | 0 | 1.185 | 1543702 | 283089 | 775 | 1937 | 365 | 1.28(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:40 | 31:40 | 0 | 1.001 | 106221 | 22280 | 18 | 45 | 1238 | | |
| 361.8385 | 31:40 | 31:40 | 0 | 1.001 | 82855 | 17451 | 16 | 40 | 1091 | 1.28(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:51 | 31:51 | 1 | 1.007 | 98497 | 19939 | 18 | 45 | 1108 | | |
| 361.8385 | 31:51 | 31:51 | 1 | 1.007 | 78355 | 16155 | 16 | 40 | 1010 | 1.26(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:01 | 32:01 | 0 | 1.012 | 101238 | 20815 | 18 | 45 | 1156 | | |
| 361.8385 | 32:01 | 32:01 | 0 | 1.012 | 80398 | 16526 | 16 | 40 | 1033 | 1.26(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:23 | 32:22 | 1 | 1.023 | 92297 | 18601 | 18 | 45 | 1033 | | |
| 361.8385 | 32:22 | 32:22 | 0 | 1.023 | 71359 | 15462 | 16 | 40 | 966 | 1.29(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:41 | 32:41 | 0 | 1.033 | 97249 | 19658 | 18 | 45 | 1092 | | |
| 361.8385 | 32:41 | 32:41 | 0 | 1.033 | 75457 | 15524 | 16 | 40 | 970 | 1.29(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:12 | 34:13 | -1 | 1.081 | 71682 | 14728 | 18 | 45 | 818 | | |
| 361.8385 | 34:13 | 34:13 | 0 | 1.081 | 58234 | 12157 | 16 | 40 | 760 | 1.23(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 139057 | 15903 | 18 | 45 | 884 | | M |
| 361.8385 | 34:50 | 34:47 | 3 | 1.101 | 108182 | 12434 | 16 | 40 | 777 | 1.29(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 139057 | 15903 | 18 | 45 | 884 | | M |
| 361.8385 | 34:50 | 34:47 | 3 | 1.101 | 108182 | 12434 | 16 | 40 | 777 | 1.29(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:03 | 35:03 | 0 | 1.108 | 81731 | 16915 | 18 | 45 | 940 | | |
| 361.8385 | 35:03 | 35:03 | 0 | 1.108 | 62748 | 12663 | 16 | 40 | 791 | 1.30(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:21 | 35:21 | 0 | 1.117 | 75172 | 14947 | 18 | 45 | 830 | | |
| 361.8385 | 35:20 | 35:21 | -1 | 1.117 | 56975 | 11899 | 16 | 40 | 744 | 1.32(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | 0 | 1.129 | 208997 | 42828 | 74 | 185 | 579 | | |
| 361.8385 | 35:43 | 35:43 | 0 | 1.129 | 162591 | 34343 | 51 | 127 | 673 | 1.29(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | 0 | 1.129 | 208997 | 42828 | 74 | 185 | 579 | | |
| 361.8385 | 35:43 | 35:43 | 0 | 1.129 | 162591 | 34343 | 51 | 127 | 673 | 1.29(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 36:00 | 36:00 | 0 | 1.138 | 180761 | 19509 | 74 | 185 | 264 | | |
| 361.8385 | 36:01 | 36:00 | 1 | 1.138 | 146832 | 15539 | 51 | 127 | 305 | 1.23(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 36:00 | 36:00 | 0 | 1.138 | 180761 | 19509 | 74 | 185 | 264 | | |
| 361.8385 | 36:01 | 36:00 | 1 | 1.138 | 146832 | 15539 | 51 | 127 | 305 | 1.23(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | 0 | 1.148 | 209187 | 38995 | 74 | 185 | 527 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.148 | 168087 | 31398 | 51 | 127 | 616 | 1.24(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | 0 | 1.148 | 209187 | 38995 | 74 | 185 | 527 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.148 | 168087 | 31398 | 51 | 127 | 616 | 1.24(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:31 | 36:31 | 0 | 1.154 | 92321 | 19162 | 74 | 185 | 259 | | |
| 361.8385 | 36:31 | 36:31 | 0 | 1.154 | 78012 | 15120 | 51 | 127 | 296 | 1.18(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:40 | 36:40 | 0 | 1.159 | 91292 | 18114 | 74 | 185 | 245 | | |
| 361.8385 | 36:40 | 36:40 | 1 | 1.159 | 72444 | 14707 | 51 | 127 | 288 | 1.26(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:58 | 36:58 | 0 | 1.169 | 92186 | 18621 | 74 | 185 | 252 | | |
| 361.8385 | 36:58 | 36:58 | 0 | 1.169 | 69943 | 14126 | 51 | 127 | 277 | 1.32(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:29 | 37:29 | 0 | 1.185 | 97209 | 19325 | 74 | 185 | 261 | | |
| 361.8385 | 37:29 | 37:29 | 0 | 1.185 | 75745 | 14365 | 51 | 127 | 282 | 1.28(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:52 | 37:53 | 0 | 0.881 | 120933 | 24168 | 74 | 185 | 327 | | |
| 361.8385 | 37:52 | 37:53 | 0 | 0.881 | 96295 | 19163 | 51 | 127 | 376 | 1.26(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:08 | 38:08 | 0 | 0.887 | 106517 | 21089 | 74 | 185 | 285 | | |
| 361.8385 | 38:07 | 38:08 | -1 | 0.887 | 82972 | 17064 | 51 | 127 | 335 | 1.28(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:16 | 38:16 | 0 | 0.891 | 146030 | 28745 | 74 | 185 | 388 | | |
| 361.8385 | 38:16 | 38:16 | 0 | 0.891 | 115855 | 22900 | 51 | 127 | 449 | 1.26(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.902 | 255435 | 37485 | 74 | 185 | 507 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.902 | 208373 | 30753 | 51 | 127 | 603 | 1.23(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.902 | 255435 | 37485 | 74 | 185 | 507 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.902 | 208373 | 30753 | 51 | 127 | 603 | 1.23(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:56 | 38:56 | 0 | 0.906 | 100480 | 19333 | 74 | 185 | 261 | | |
| 361.8385 | 38:56 | 38:56 | 0 | 0.906 | 78334 | 15481 | 51 | 127 | 304 | 1.28(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:20 | 39:20 | 0 | 0.915 | 88370 | 17507 | 74 | 185 | 237 | | |
| 361.8385 | 39:20 | 39:20 | 0 | 0.915 | 70419 | 14121 | 51 | 127 | 277 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:34 | 39:35 | 0 | 0.921 | 117032 | 22589 | 74 | 185 | 305 | | |
| 361.8385 | 39:34 | 39:35 | -1 | 0.921 | 93677 | 18660 | 51 | 127 | 366 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:41 | 39:41 | 0 | 0.923 | 132080 | 26827 | 74 | 185 | 363 | | |
| 361.8385 | 39:41 | 39:41 | 0 | 0.923 | 103958 | 21603 | 51 | 127 | 424 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 453292 | 50707 | 74 | 185 | 685 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 368433 | 41168 | 51 | 127 | 807 | 1.23(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 453292 | 50707 | 74 | 185 | 685 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 368433 | 41168 | 51 | 127 | 807 | 1.23(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 453292 | 50707 | 74 | 185 | 685 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 368433 | 41168 | 51 | 127 | 807 | 1.23(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 453292 | 50707 | 74 | 185 | 685 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 368433 | 41168 | 51 | 127 | 807 | 1.23(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:23 | 40:23 | 0 | 0.940 | 151006 | 28016 | 74 | 185 | 379 | | |
| 361.8385 | 40:22 | 40:23 | -1 | 0.939 | 119528 | 21642 | 51 | 127 | 424 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | Ma |
| 359.8415 | 41:13 | 41:14 | -1 | 0.959 | 244055 | 40754 | 74 | 185 | 551 | | M |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 189324 | 31954 | 51 | 127 | 627 | 1.29(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | Ma |
| 359.8415 | 41:13 | 41:14 | -1 | 0.959 | 244055 | 40754 | 74 | 185 | 551 | | M |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 189324 | 31954 | 51 | 127 | 627 | 1.29(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:14 | 42:14 | -1 | 0.983 | 140067 | 27747 | 74 | 185 | 375 | | |
| 361.8385 | 42:14 | 42:14 | -1 | 0.983 | 113888 | 22807 | 51 | 127 | 447 | 1.23(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:31 | 42:32 | -1 | 0.989 | 154470 | 28064 | 74 | 185 | 379 | | |
| 361.8385 | 42:31 | 42:32 | -1 | 0.989 | 116511 | 21161 | 51 | 127 | 415 | 1.33(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:00 | 43:00 | 0 | 1.001 | 150344 | 27851 | 74 | 185 | 376 | | |
| 361.8385 | 43:00 | 43:00 | 0 | 1.001 | 119493 | 22723 | 51 | 127 | 446 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:09 | 44:09 | 0 | 1.001 | 275413 | 37875 | 74 | 185 | 512 | | |
| 361.8385 | 44:09 | 44:09 | 0 | 1.001 | 223171 | 30892 | 51 | 127 | 606 | 1.23(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:09 | 44:09 | 0 | 1.001 | 275413 | 37875 | 74 | 185 | 512 | | |
| 361.8385 | 44:09 | 44:09 | 0 | 1.001 | 223171 | 30892 | 51 | 127 | 606 | 1.23(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:22 | 47:23 | -1 | 1.000 | 122601 | 22906 | 74 | 185 | 310 | | |
| 361.8385 | 47:22 | 47:23 | -1 | 1.000 | 99939 | 17807 | 51 | 127 | 349 | 1.23(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:22 | 37:23 | -1 | 0.821 | 1976747 | 392814 | 58 | 145 | 6773 | | |
| 407.8398 | 37:23 | 37:23 | 0 | 0.821 | 1890734 | 377112 | 2 | 5 | 188556 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:25 | 40:25 | 0 | 0.888 | 72439 | 16193 | 58 | 145 | 279 | | |
| 407.8398 | 40:25 | 40:25 | 0 | 0.888 | 65692 | 13425 | 2 | 5 | 6713 | 1.10(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:32 | 45:32 | 0 | | 1572009 | 300874 | 58 | 145 | 5187 | | |
| 407.8398 | 45:32 | 45:32 | 0 | | 1468614 | 293048 | 2 | 5 | 146524 | 1.07(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:46 | 46:47 | 0 | 1.027 | 1344837 | 268291 | 58 | 145 | 4626 | | |
| 407.8398 | 46:46 | 46:47 | 0 | 1.027 | 1206643 | 230824 | 2 | 5 | 115412 | 1.11(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:54 | 49:54 | 0 | 1.096 | 2468704 | 478380 | 446 | 1115 | 1073 | | |
| 407.8398 | 49:54 | 49:54 | 0 | 1.096 | 2375159 | 462489 | 297 | 742 | 1557 | 1.04(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:23 | 37:24 | -1 | 1.001 | 119217 | 23962 | 23 | 57 | 1042 | | |
| 395.7995 | 37:23 | 37:24 | -1 | 1.001 | 114223 | 23664 | 14 | 35 | 1690 | 1.04(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:44 | 37:44 | 0 | 1.010 | 111538 | 21870 | 23 | 57 | 951 | | |
| 395.7995 | 37:43 | 37:44 | -1 | 1.009 | 104646 | 20225 | 14 | 35 | 1445 | 1.07(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:16 | 38:16 | 0 | 1.024 | 112479 | 22872 | 23 | 57 | 994 | | |
| 395.7995 | 38:16 | 38:16 | 0 | 1.024 | 106853 | 21954 | 14 | 35 | 1568 | 1.05(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:36 | 38:36 | 0 | 1.033 | 121224 | 24785 | 23 | 57 | 1078 | | |
| 395.7995 | 38:36 | 38:36 | 0 | 1.033 | 112613 | 22858 | 14 | 35 | 1633 | 1.08(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:04 | 39:04 | 0 | 1.045 | 115078 | 24036 | 23 | 57 | 1045 | | |
| 395.7995 | 39:04 | 39:04 | 0 | 1.045 | 104348 | 21212 | 14 | 35 | 1515 | 1.10(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:27 | 40:27 | 0 | 1.083 | 80853 | 15997 | 23 | 57 | 696 | | |
| 395.7995 | 40:27 | 40:27 | 0 | 1.083 | 73818 | 14536 | 14 | 35 | 1038 | 1.10(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:05 | 41:05 | 0 | 1.100 | 85215 | 17242 | 23 | 57 | 750 | | |
| 395.7995 | 41:05 | 41:05 | 0 | 1.100 | 79782 | 16101 | 14 | 35 | 1150 | 1.07(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:21 | 41:22 | -1 | 1.107 | 85782 | 17206 | 23 | 57 | 748 | | |
| 395.7995 | 41:22 | 41:22 | 0 | 1.107 | 80939 | 15937 | 14 | 35 | 1138 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:34 | 41:34 | -1 | 1.112 | 89792 | 17547 | 23 | 57 | 763 | | |
| 395.7995 | 41:34 | 41:34 | -1 | 1.112 | 85254 | 17035 | 14 | 35 | 1217 | 1.05(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:58 | 41:59 | -1 | 1.123 | 176104 | 18433 | 23 | 57 | 801 | | M |
| 395.7995 | 41:59 | 41:59 | 0 | 1.123 | 165973 | 17767 | 14 | 35 | 1269 | 1.06(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:58 | 41:59 | -1 | 1.123 | 176104 | 18433 | 23 | 57 | 801 | | M |
| 395.7995 | 41:59 | 41:59 | 0 | 1.123 | 165973 | 17767 | 14 | 35 | 1269 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:13 | 42:12 | 1 | 1.130 | 75099 | 14454 | 23 | 57 | 628 | | |
| 395.7995 | 42:12 | 42:12 | 0 | 1.129 | 71991 | 14289 | 14 | 35 | 1021 | 1.04(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:39 | 42:39 | 0 | 1.141 | 75175 | 14872 | 23 | 57 | 647 | | |
| 395.7995 | 42:39 | 42:39 | 0 | 1.141 | 70903 | 13692 | 14 | 35 | 978 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:02 | 43:02 | 0 | 1.152 | 89785 | 17583 | 23 | 57 | 764 | | |
| 395.7995 | 43:02 | 43:02 | 0 | 1.152 | 82459 | 16414 | 14 | 35 | 1172 | 1.09(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:15 | 43:16 | -1 | 1.157 | 154089 | 25899 | 23 | 57 | 1126 | | |
| 395.7995 | 43:15 | 43:16 | 0 | 1.158 | 142992 | 24169 | 14 | 35 | 1726 | 1.08(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:15 | 43:16 | -1 | 1.157 | 154089 | 25899 | 23 | 57 | 1126 | | |
| 395.7995 | 43:15 | 43:16 | 0 | 1.158 | 142992 | 24169 | 14 | 35 | 1726 | 1.08(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:53 | 44:54 | -1 | 0.900 | 78331 | 15524 | 23 | 57 | 675 | | |
| 395.7995 | 44:53 | 44:54 | -1 | 0.900 | 73159 | 14112 | 14 | 35 | 1008 | 1.07(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:11 | 45:11 | 0 | 0.905 | 100847 | 19053 | 23 | 57 | 828 | | |
| 395.7995 | 45:11 | 45:11 | 0 | 0.905 | 96969 | 19715 | 14 | 35 | 1408 | 1.04(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 190999 | 25114 | 23 | 57 | 1092 | | |
| 395.7995 | 45:29 | 45:30 | -1 | 0.912 | 181696 | 22671 | 14 | 35 | 1619 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 190999 | 25114 | 23 | 57 | 1092 | | |
| 395.7995 | 45:29 | 45:30 | -1 | 0.912 | 181696 | 22671 | 14 | 35 | 1619 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:54 | 45:55 | -1 | 0.920 | 108521 | 20570 | 23 | 57 | 894 | | |
| 395.7995 | 45:54 | 45:55 | -1 | 0.920 | 104398 | 20105 | 14 | 35 | 1436 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:48 | 46:48 | 0 | 0.938 | 77996 | 14567 | 23 | 57 | 633 | | |
| 395.7995 | 46:48 | 46:48 | 0 | 0.938 | 73266 | 14180 | 14 | 35 | 1013 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:19 | 47:20 | -1 | 0.948 | 107335 | 20790 | 23 | 57 | 904 | | |
| 395.7995 | 47:20 | 47:20 | 0 | 0.949 | 103205 | 19005 | 14 | 35 | 1358 | 1.04(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:55 | 49:56 | -1 | 1.000 | 157565 | 30203 | 71 | 177 | 425 | | |
| 395.7995 | 49:55 | 49:56 | 0 | 1.001 | 142911 | 27852 | 50 | 125 | 557 | 1.10(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:45 | 42:45 | 0 | 0.822 | 1422256 | 285465 | 31 | 77 | 9209 | | |
| 441.8008 | 42:45 | 42:45 | 0 | 0.822 | 1554159 | 312858 | 58 | 145 | 5394 | 0.92(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:01 | 52:01 | 0 | | 1589249 | 299961 | 134 | 335 | 2239 | | |
| 441.8008 | 52:01 | 52:01 | 0 | | 1734447 | 330254 | 144 | 360 | 2293 | 0.92(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:29 | 52:30 | -1 | 1.009 | 2056253 | 392952 | 134 | 335 | 2932 | | |
| 441.8008 | 52:29 | 52:30 | -1 | 1.009 | 2218846 | 422010 | 144 | 360 | 2931 | 0.93(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:46 | 42:47 | 0 | 1.001 | 71679 | 14033 | 16 | 40 | 877 | | |
| 429.7606 | 42:46 | 42:47 | -1 | 1.000 | 79758 | 15291 | 14 | 35 | 1092 | 0.90(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:41 | 43:42 | -1 | 1.022 | 81358 | 15742 | 16 | 40 | 984 | | |
| 429.7606 | 43:42 | 43:42 | 0 | 1.022 | 87738 | 16652 | 14 | 35 | 1189 | 0.93(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:23 | 44:23 | 0 | 1.038 | 75502 | 15228 | 16 | 40 | 952 | | |
| 429.7606 | 44:22 | 44:23 | -1 | 1.038 | 82729 | 16487 | 14 | 35 | 1178 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:36 | 0 | 1.043 | 85951 | 16556 | 16 | 40 | 1035 | | |
| 429.7606 | 44:36 | 44:36 | 0 | 1.043 | 91992 | 18026 | 14 | 35 | 1288 | 0.93(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:42 | 44:42 | 0 | 1.046 | 75763 | 15285 | 16 | 40 | 955 | | |
| 429.7606 | 44:42 | 44:42 | 0 | 1.046 | 82836 | 16148 | 14 | 35 | 1153 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 1 | 1.111 | 108181 | 14570 | 16 | 40 | 911 | | |
| 429.7606 | 47:29 | 47:30 | -1 | 1.111 | 124565 | 17002 | 14 | 35 | 1214 | 0.87(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 1 | 1.111 | 108181 | 14570 | 16 | 40 | 911 | | |
| 429.7606 | 47:29 | 47:30 | -1 | 1.111 | 124565 | 17002 | 14 | 35 | 1214 | 0.87(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:10 | 48:10 | 0 | 0.918 | 58578 | 11530 | 16 | 40 | 721 | | |
| 429.7606 | 48:10 | 48:10 | 0 | 0.918 | 64569 | 13249 | 14 | 35 | 946 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:22 | 48:22 | 0 | 0.922 | 62129 | 11958 | 16 | 40 | 747 | | |
| 429.7606 | 48:22 | 48:22 | 0 | 0.922 | 68477 | 13391 | 14 | 35 | 957 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | Ma |
| 427.7635 | 49:41 | 49:42 | -1 | 0.947 | 77306 | 14913 | 47 | 117 | 317 | | M |
| 429.7606 | 49:42 | 49:42 | 0 | 0.947 | 85861 | 15641 | 51 | 127 | 307 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:02 | 52:03 | -1 | 0.992 | 90406 | 17000 | 47 | 117 | 362 | | |
| 429.7606 | 52:02 | 52:03 | -1 | 0.992 | 99777 | 18108 | 51 | 127 | 355 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:30 | 52:31 | -1 | 1.000 | 120527 | 23290 | 47 | 117 | 496 | | |
| 429.7606 | 52:30 | 52:31 | -1 | 1.000 | 130113 | 24756 | 51 | 127 | 485 | 0.93(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:26 | 49:26 | 0 | 0.951 | 1665986 | 318334 | 335 | 837 | 950 | | |
| 475.7619 | 49:26 | 49:26 | 0 | 0.951 | 2105303 | 397499 | 443 | 1107 | 897 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:15 | 54:15 | 0 | 1.043 | 1304933 | 239879 | 335 | 837 | 716 | | |
| 475.7619 | 54:15 | 54:15 | 0 | 1.043 | 1657376 | 309644 | 443 | 1107 | 699 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | Ma |
| 461.7246 | 49:27 | 49:28 | -1 | 1.000 | 94697 | 18140 | 77 | 192 | 236 | | M |
| 463.7216 | 49:28 | 49:28 | 0 | 1.001 | 118224 | 22336 | 184 | 460 | 121 | 0.80(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | Ma |
| 461.7246 | 50:24 | 50:24 | 0 | 1.019 | 98463 | 19843 | 77 | 192 | 258 | | M |
| 463.7216 | 50:24 | 50:24 | 0 | 1.019 | 131131 | 25587 | 184 | 460 | 139 | 0.75(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:16 | 54:17 | -1 | 1.000 | 75607 | 14609 | 77 | 192 | 190 | | |
| 463.7216 | 54:16 | 54:17 | -1 | 1.000 | 94199 | 17794 | 184 | 460 | 97 | 0.80(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:54 | 55:55 | -1 | 1.075 | 1380625 | 242521 | 48 | 120 | 5053 | | |
| 509.7229 | 55:54 | 55:55 | -1 | 1.075 | 1933299 | 338980 | 62 | 155 | 5467 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:55 | 55:56 | -1 | 1.000 | 84634 | 14265 | 23 | 57 | 620 | | |
| 497.6826 | 55:56 | 55:56 | 0 | 1.001 | 115114 | 19553 | 22 | 55 | 889 | 0.74(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61L21668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville

| | | | |
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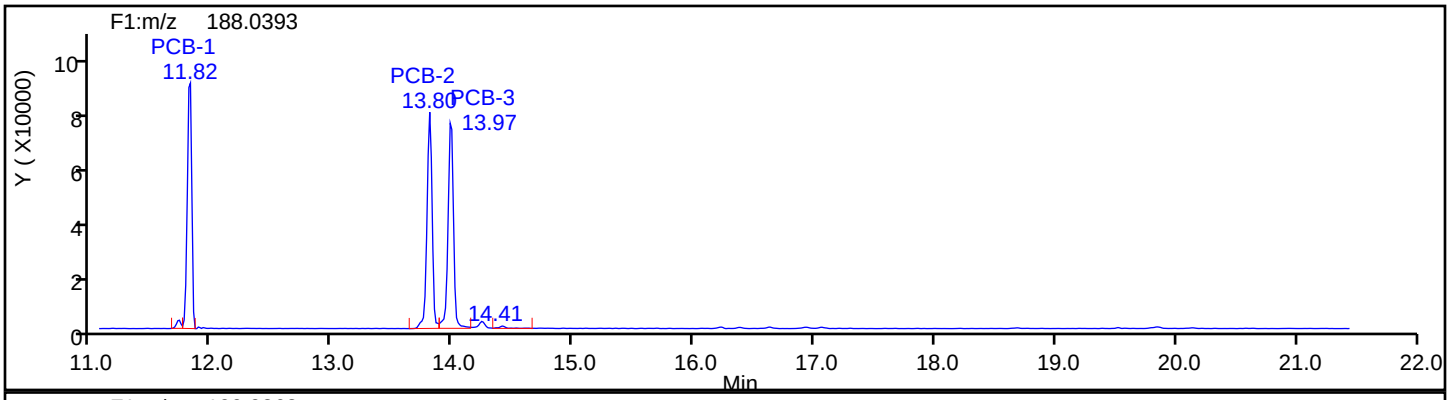
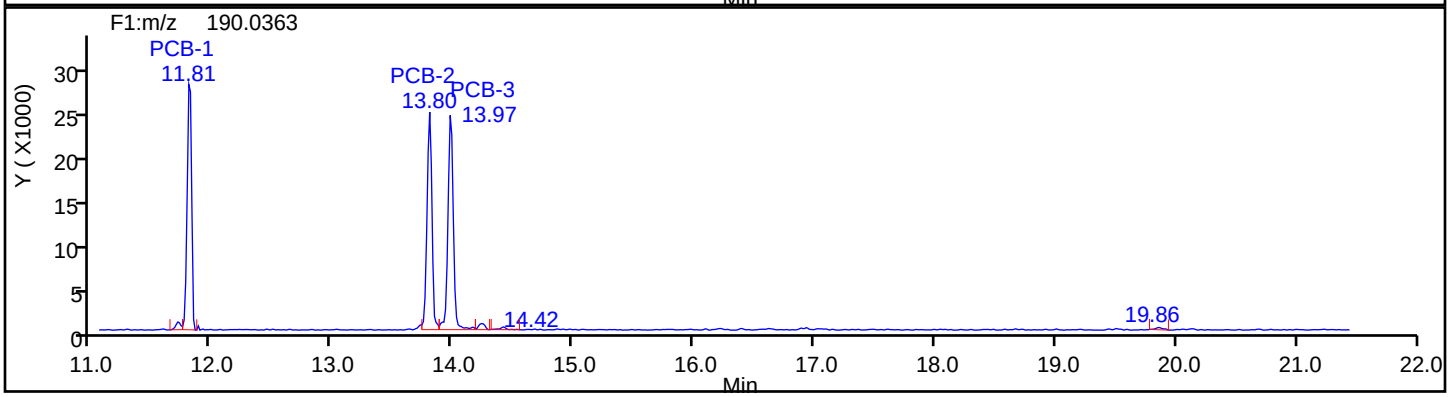
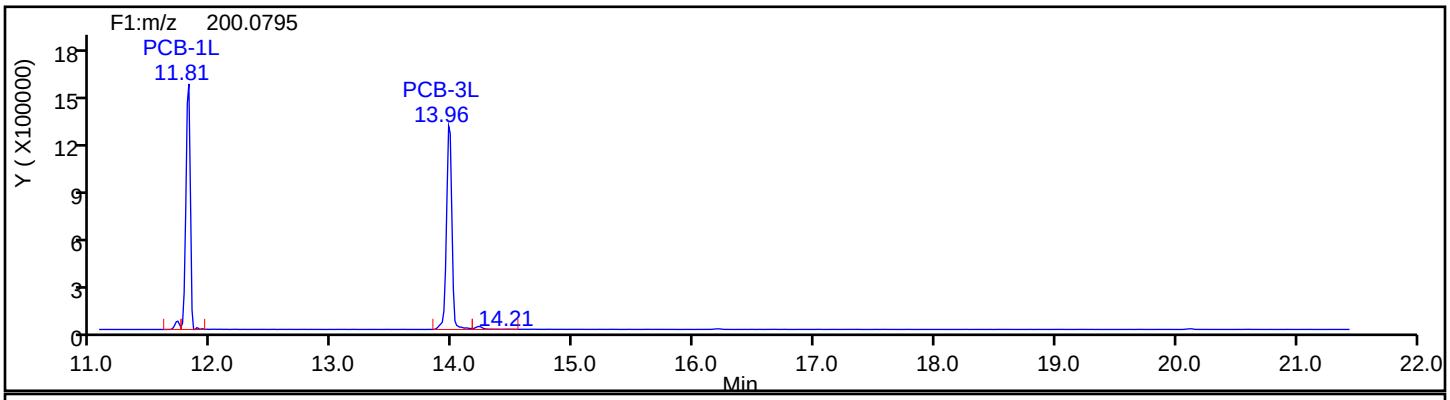
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

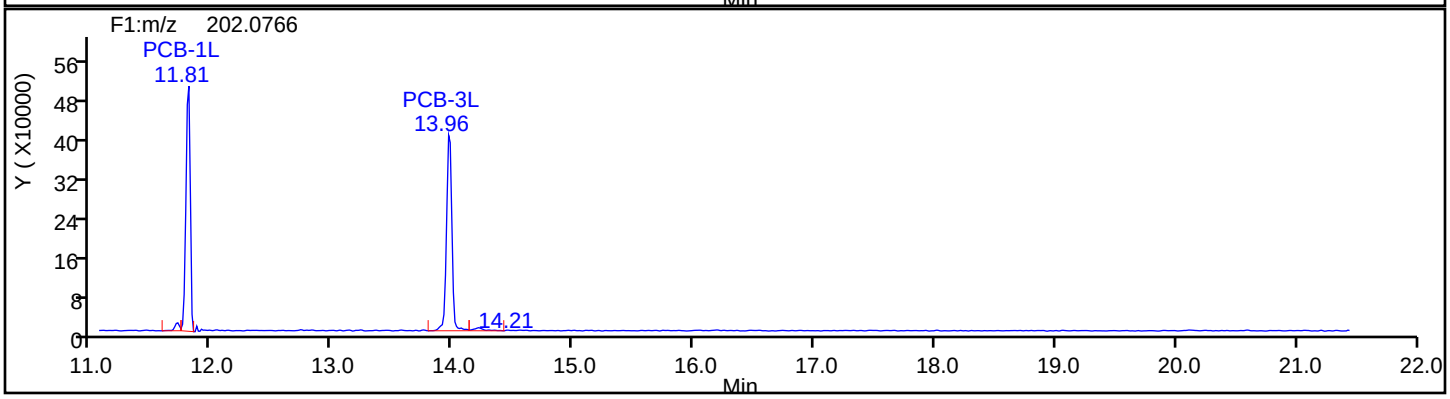
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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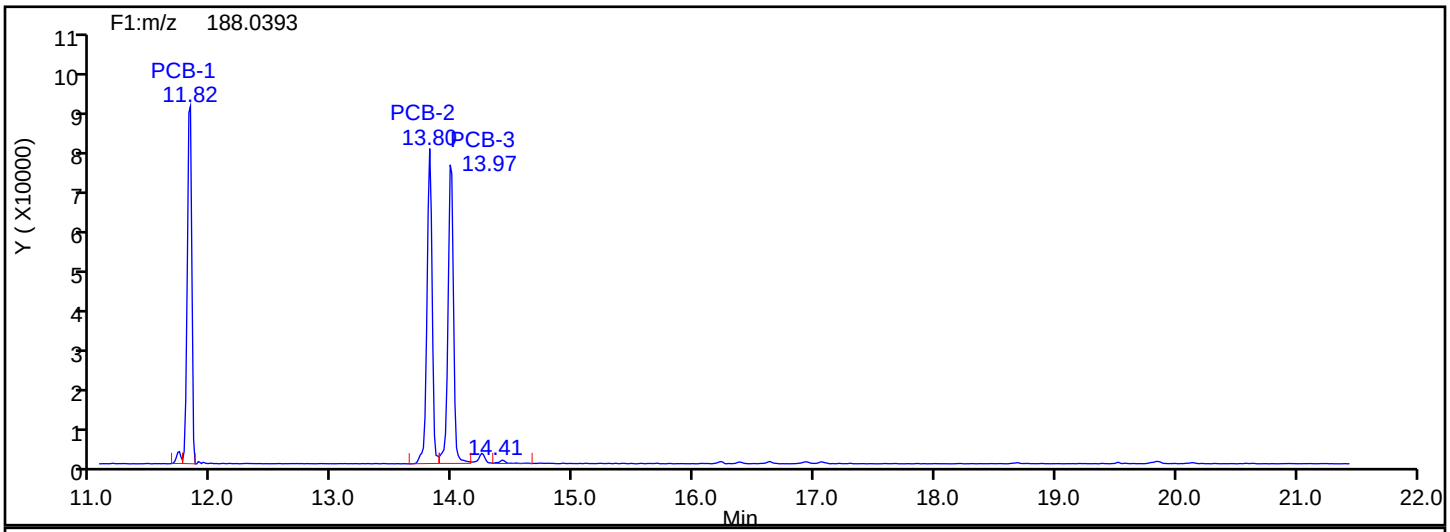
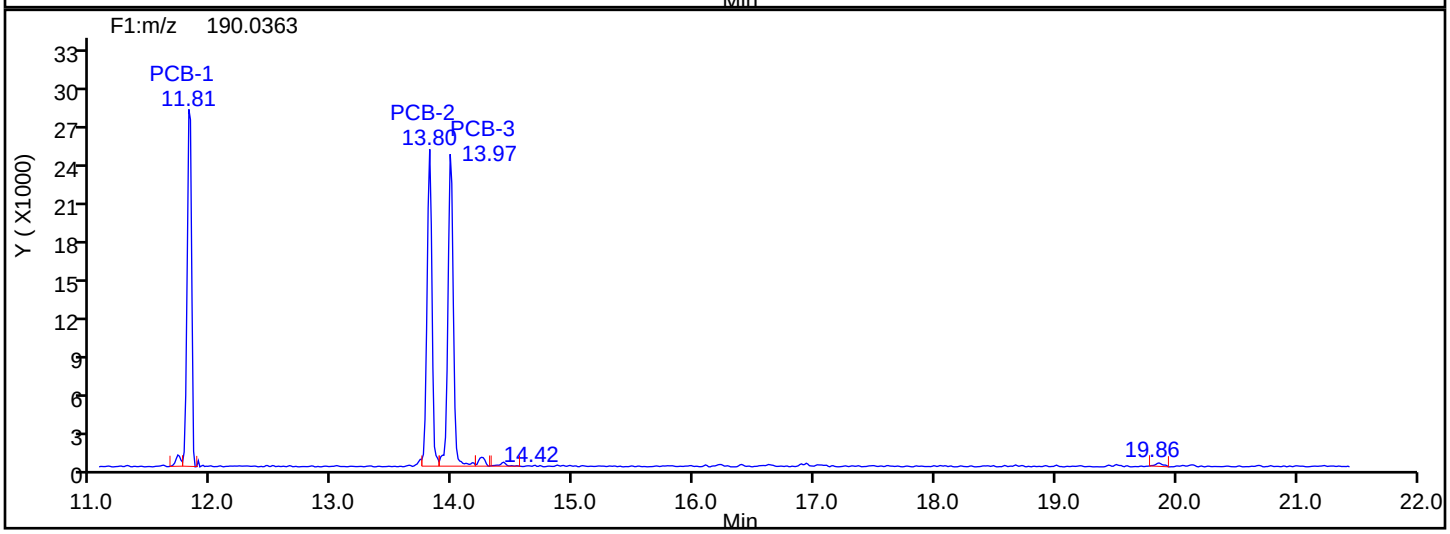
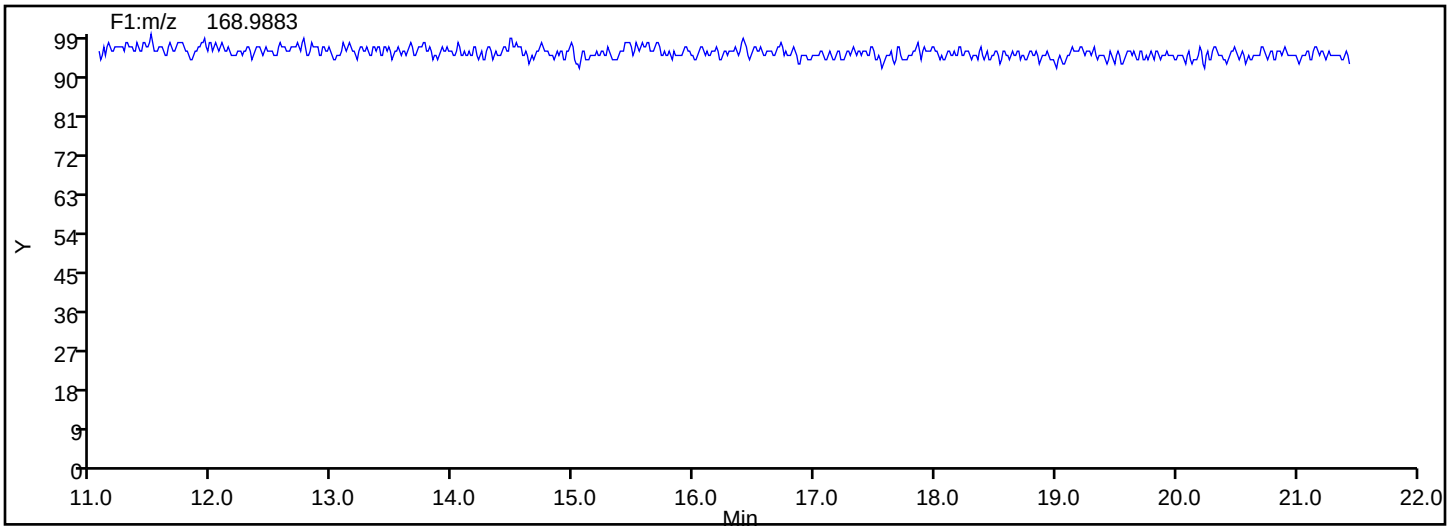
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1



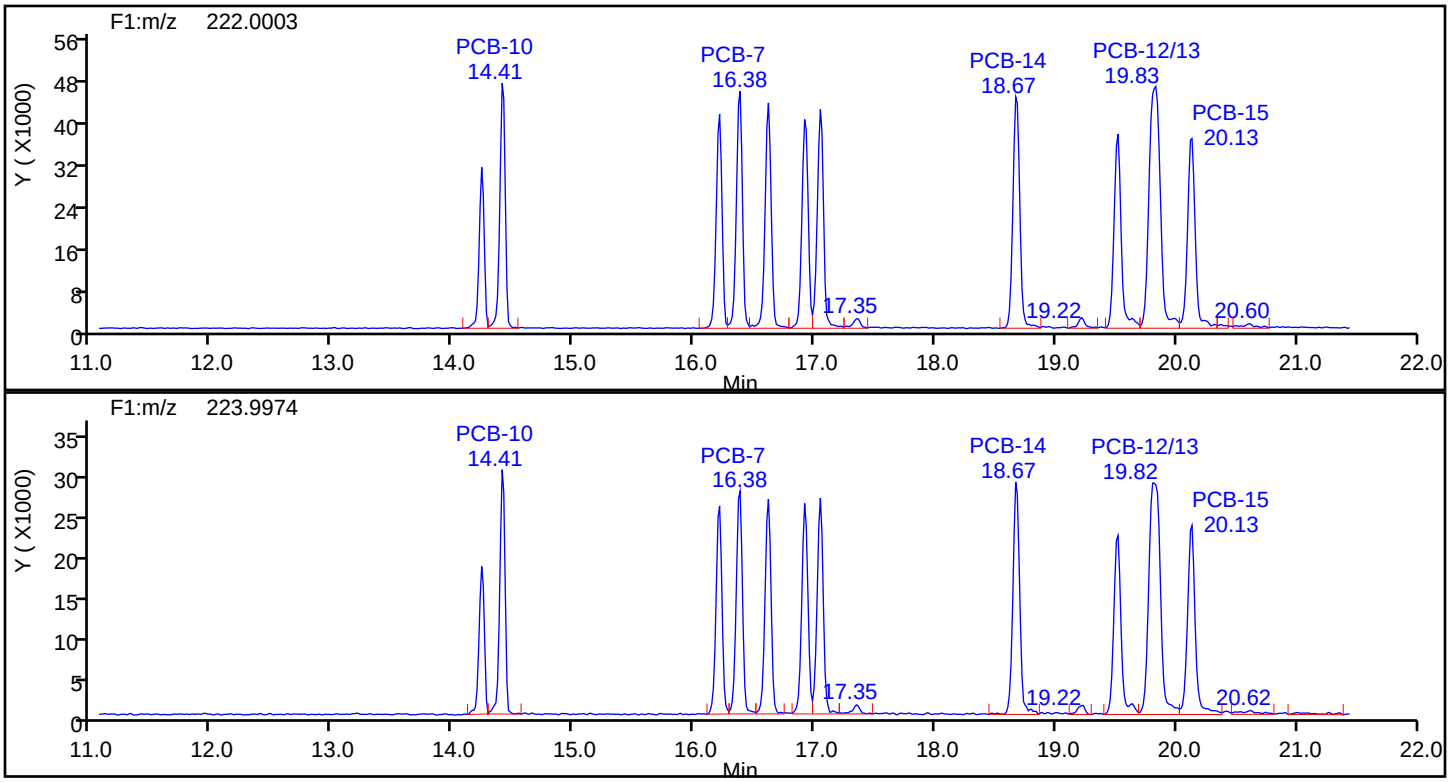

MoPCB F1 Lock Mass



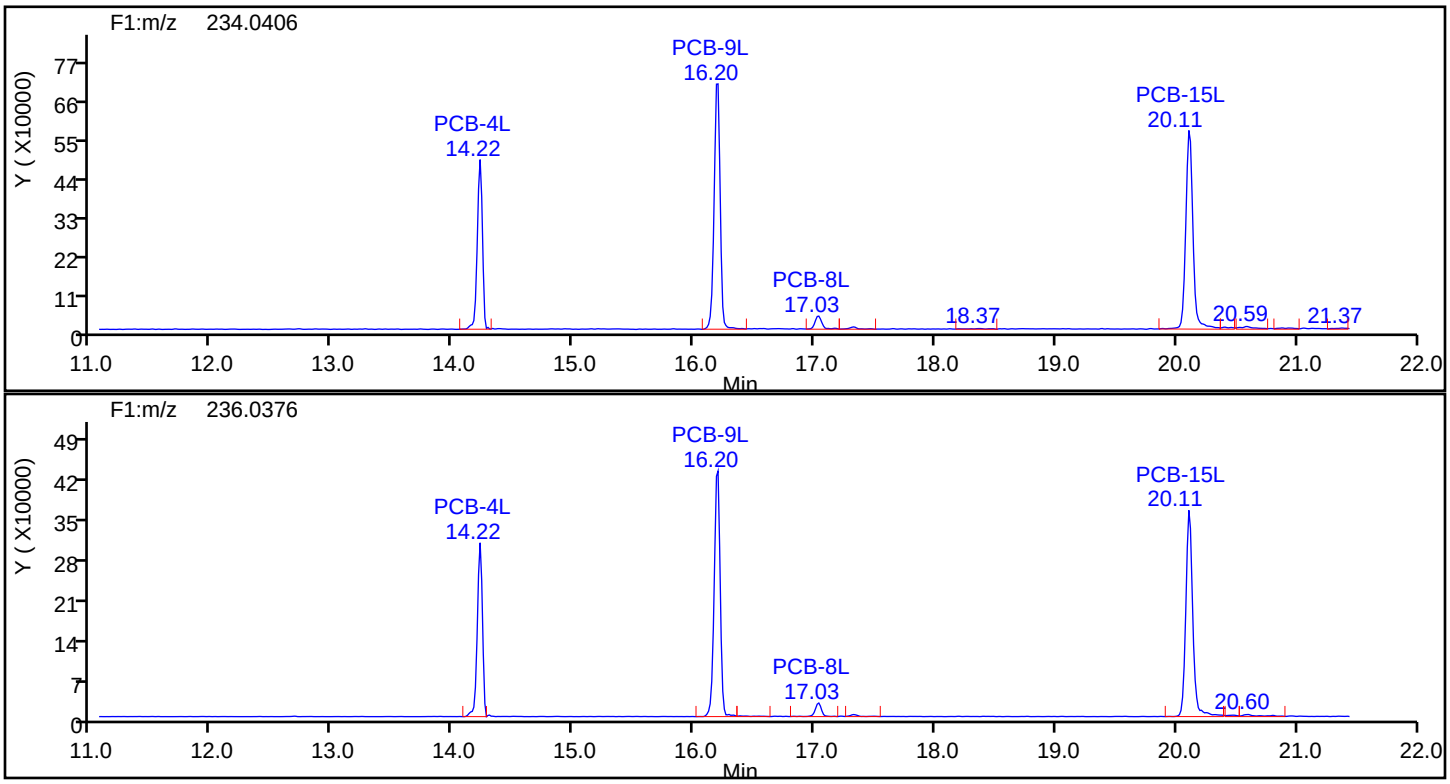
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



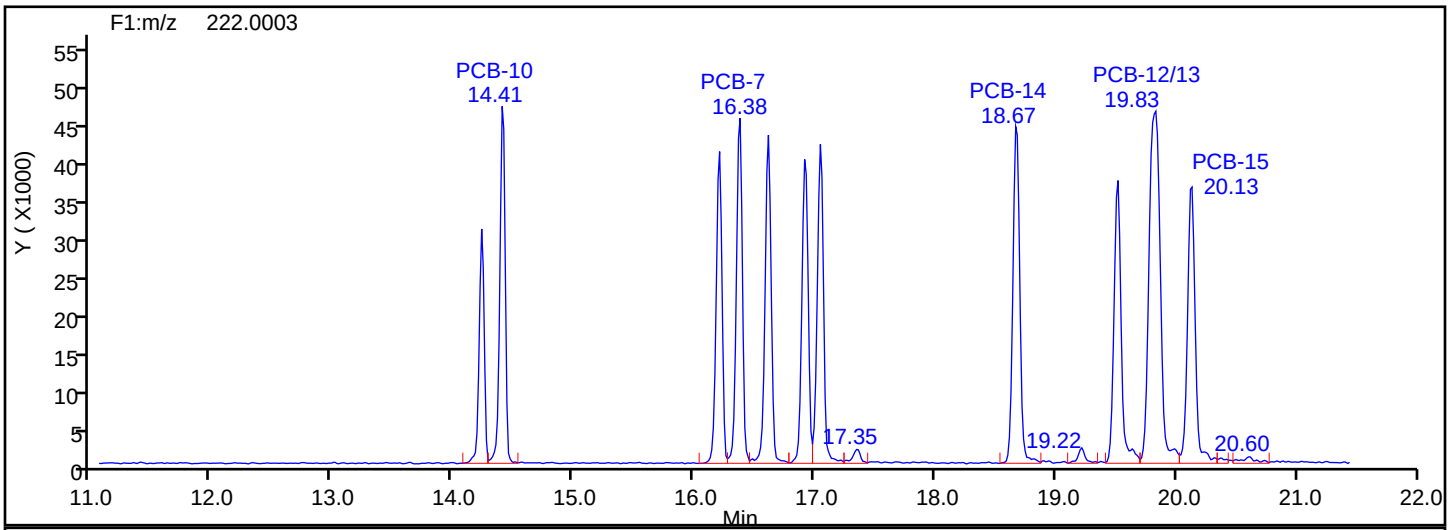

DiPCB F1 Standards

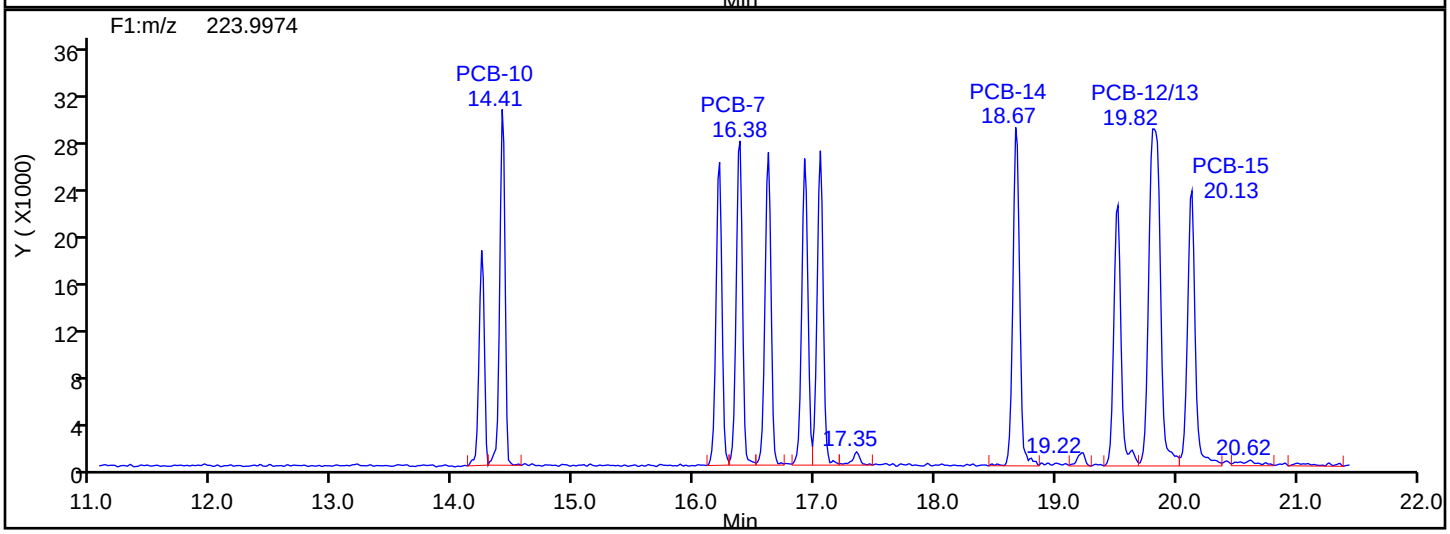


Eurofins TestAmerica, Knoxville

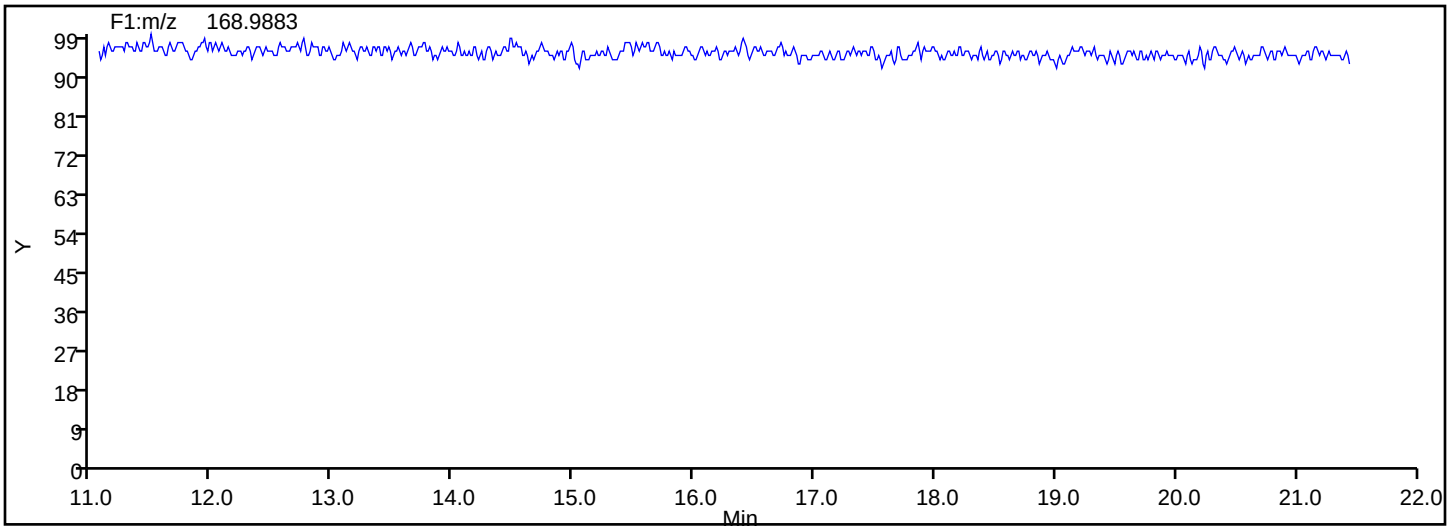
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

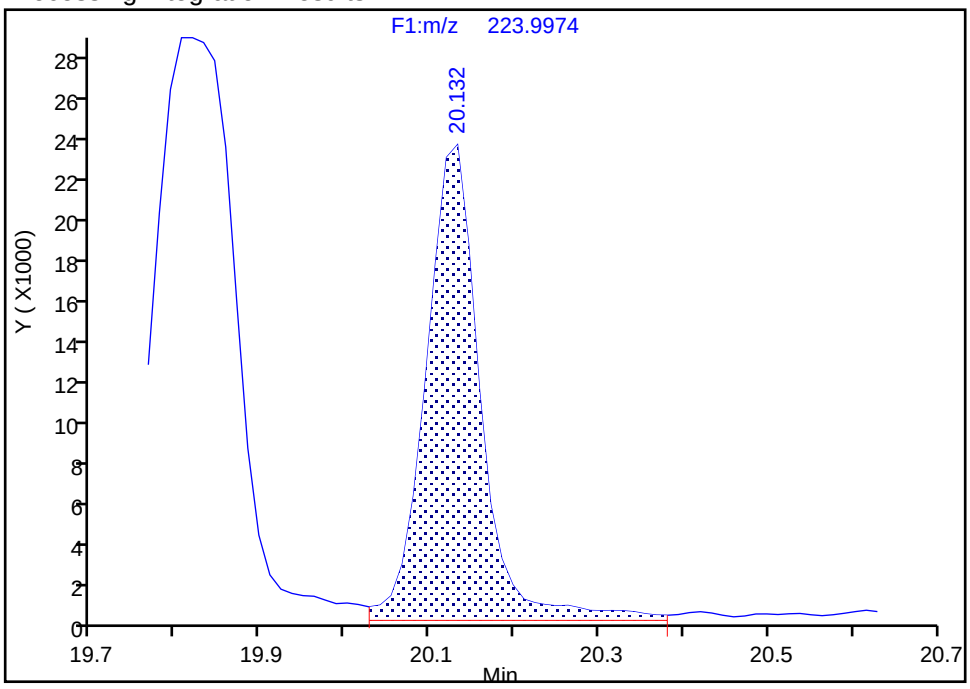
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-15, CAS: 2050-68-2

Signal: 2

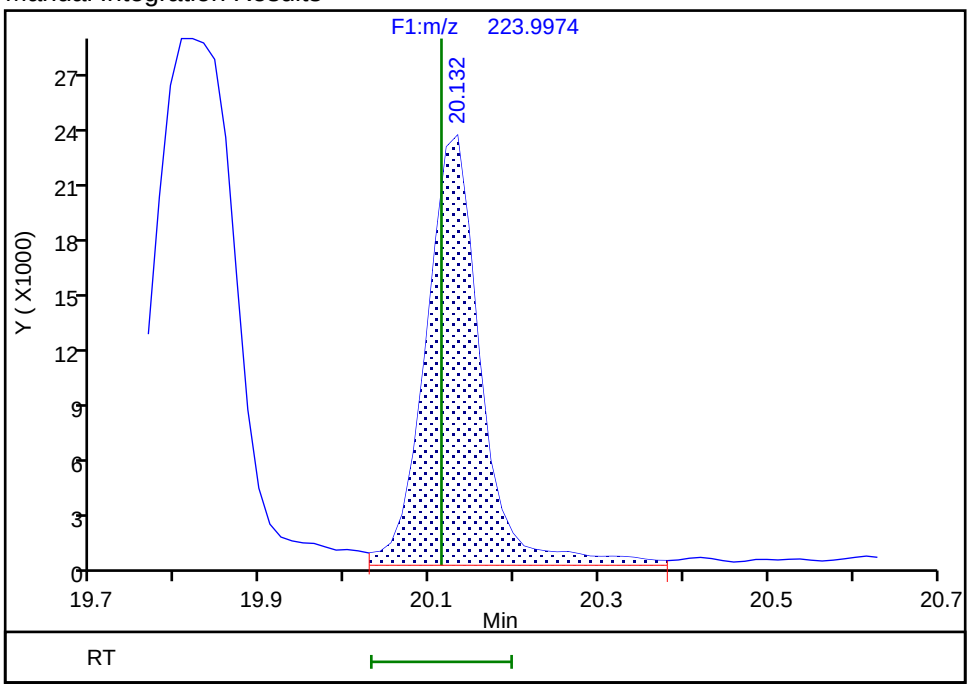
Processing Integration Results

RT: 20.13
Area: 104656
Amount: 5.083430
Amount Units: pg/ul




Manual Integration Results

RT: 20.13
Area: 104656
Amount: 5.004971
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:10:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

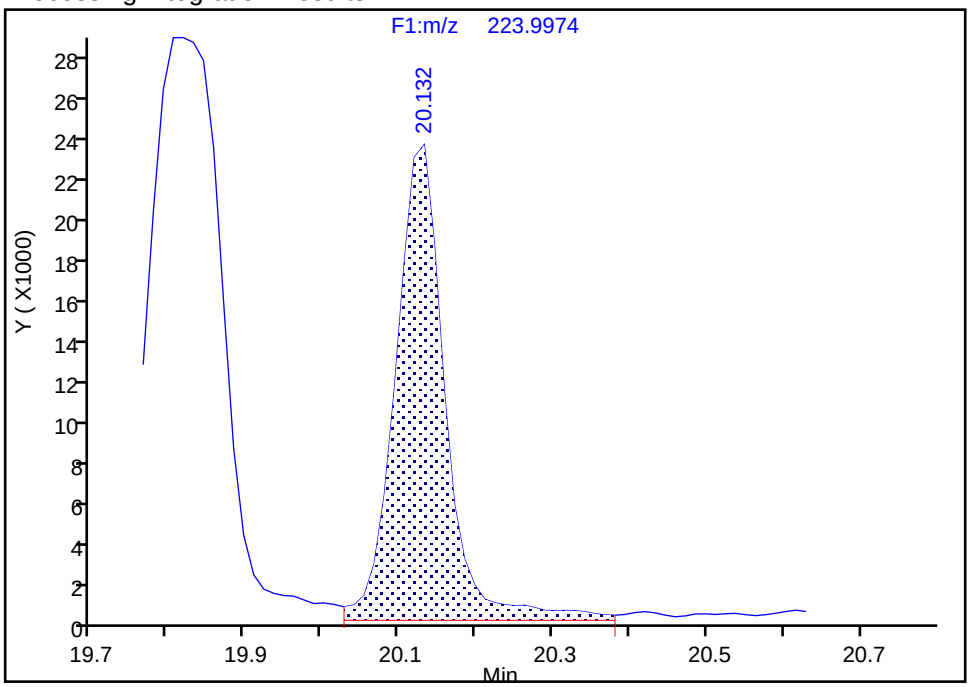
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-15, CAS: 2050-68-2

Signal: 3

Processing Integration Results

RT: 20.13
Area: 270829
Amount: 5.083430
Amount Units: pg/ul




Manual Integration Results

RT: 20.13
Area: 267846
Amount: 5.004971
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:10:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

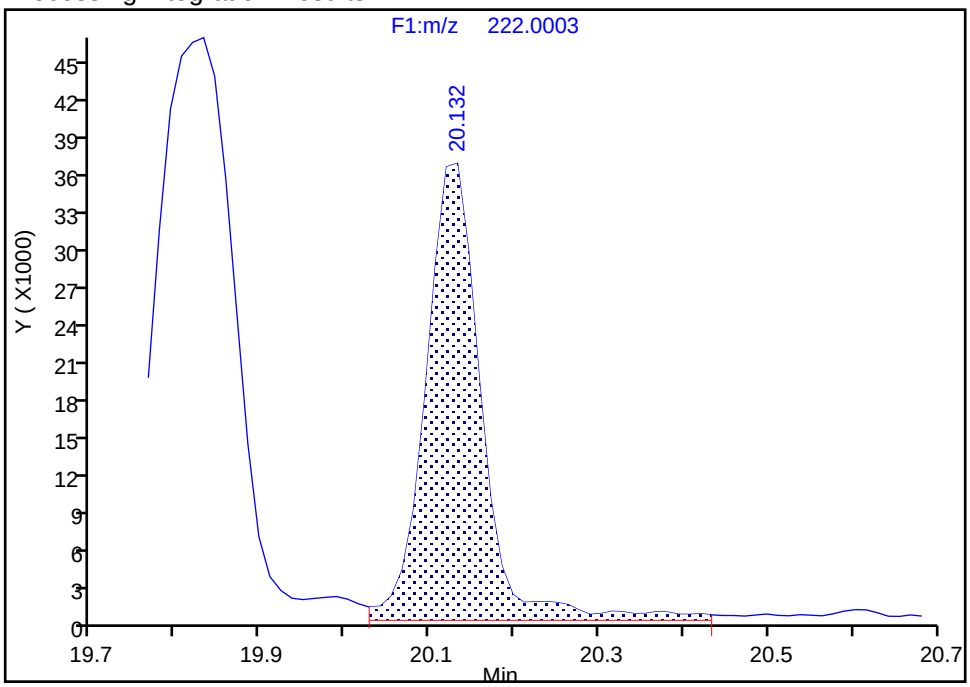
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-15, CAS: 2050-68-2

Signal: 1

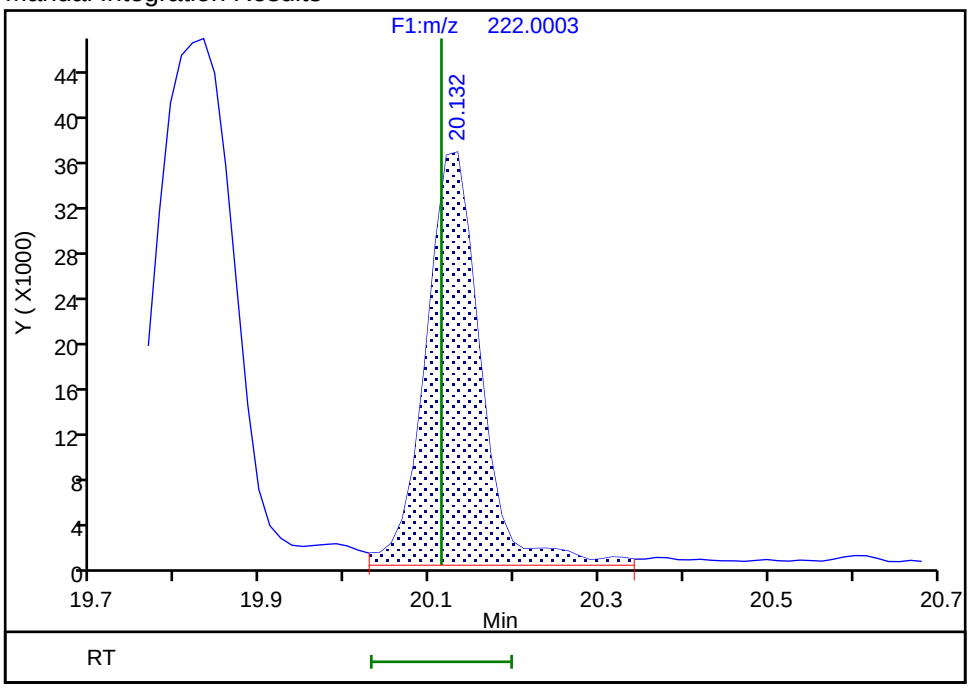
Processing Integration Results

RT: 20.13
Area: 166173
Amount: 5.083430
Amount Units: pg/ul




Manual Integration Results

RT: 20.13
Area: 163190
Amount: 5.004971
Amount Units: pg/ul

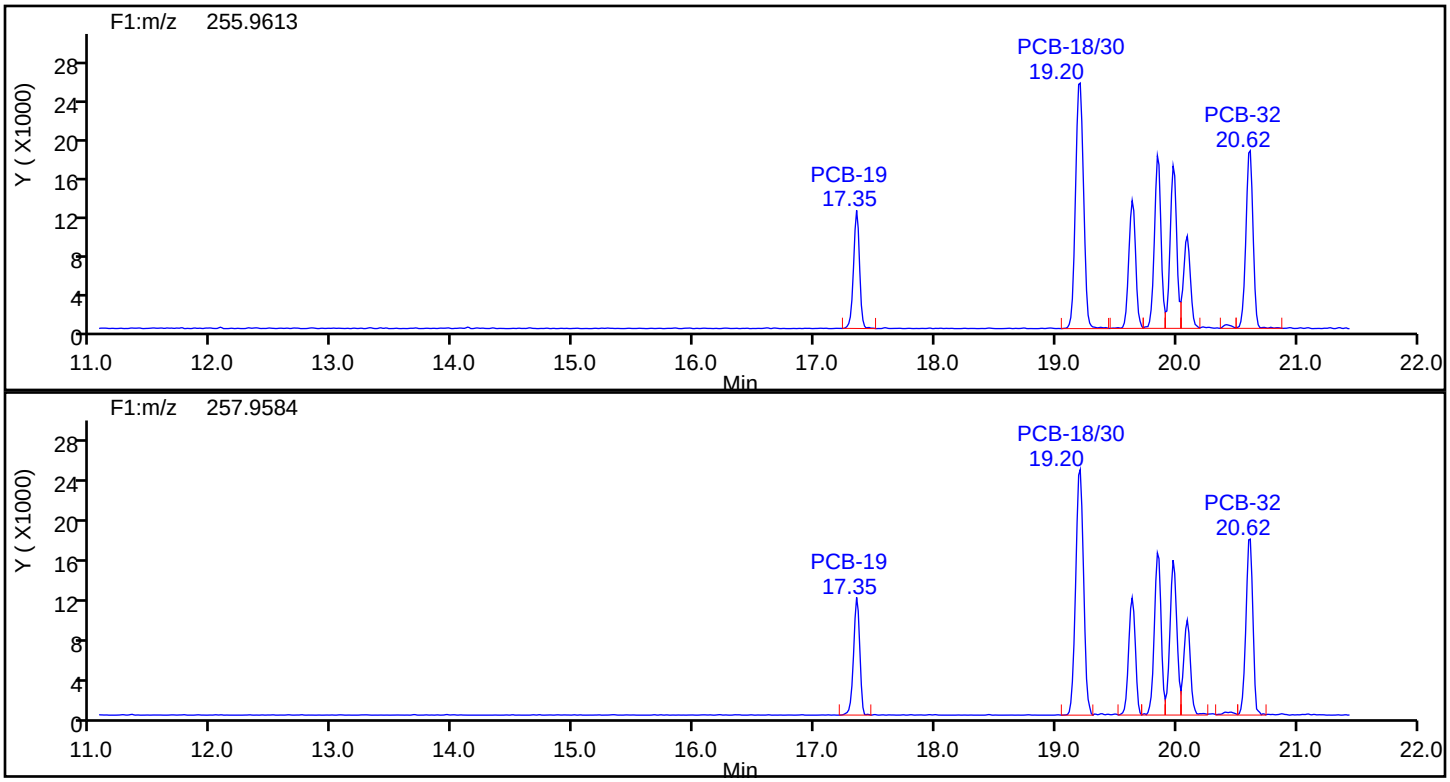



Reviewer: mcwhirterl, 21-Aug-2019 20:10:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

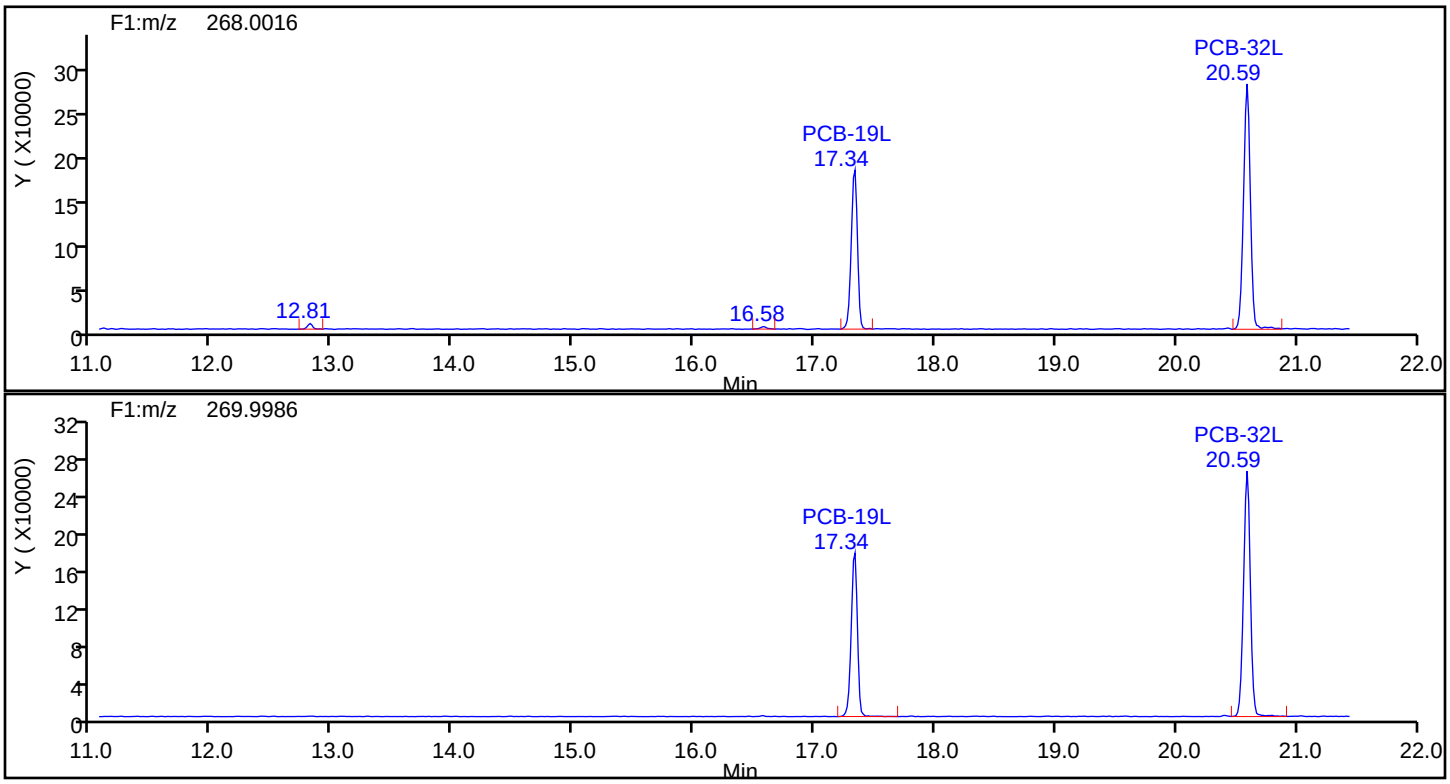
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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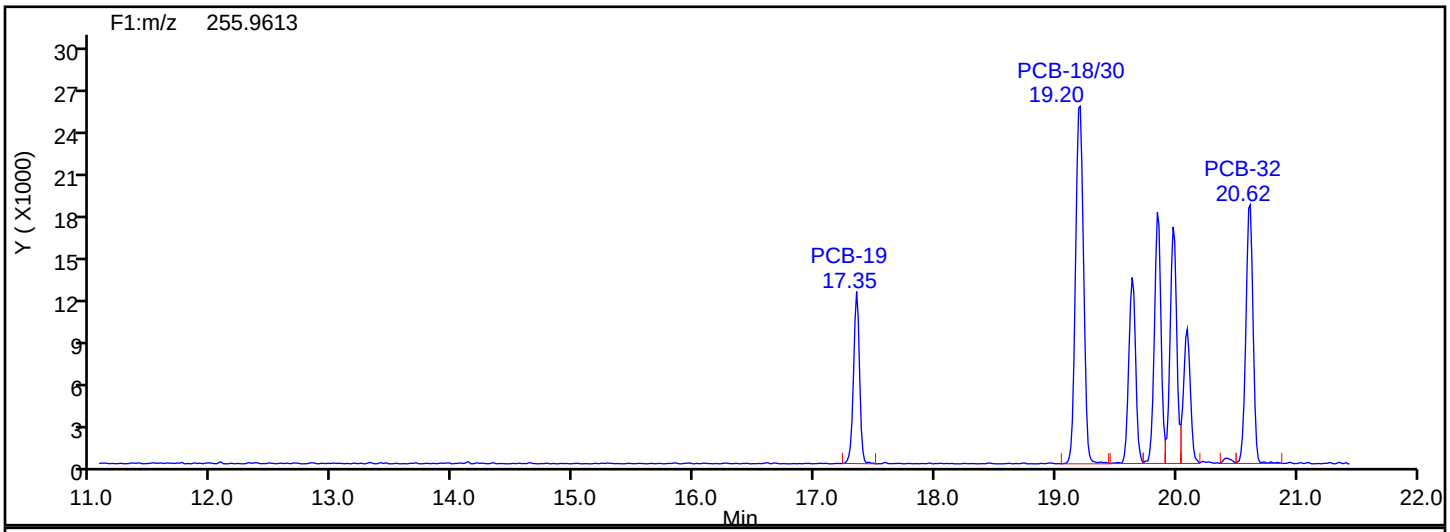
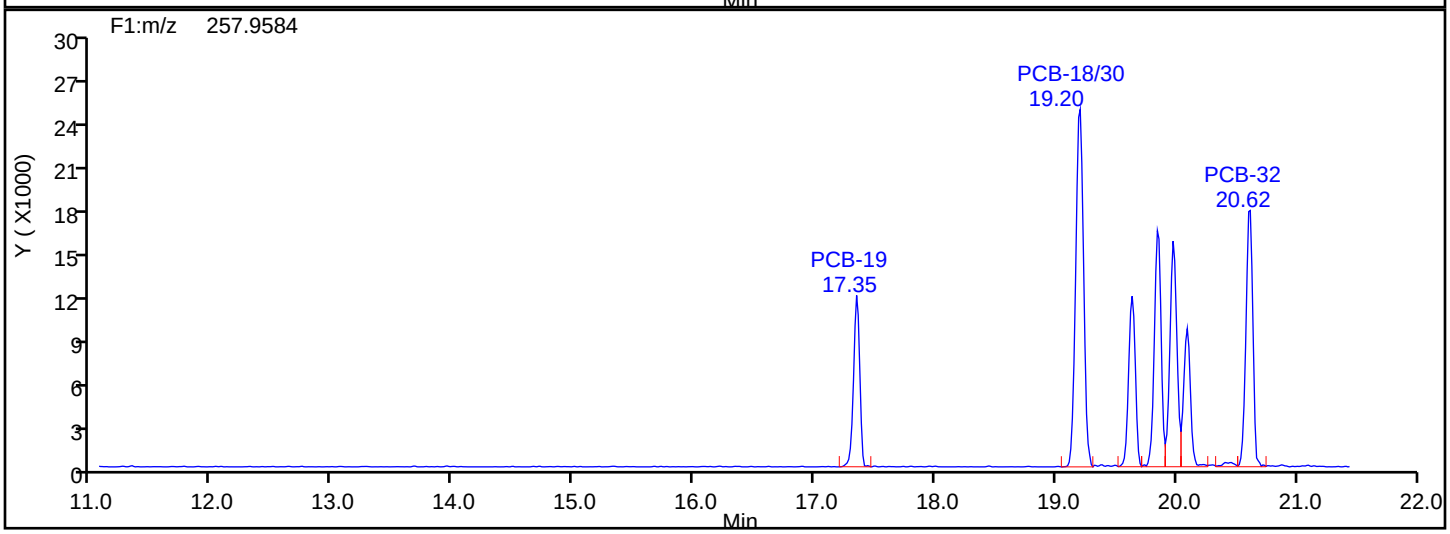
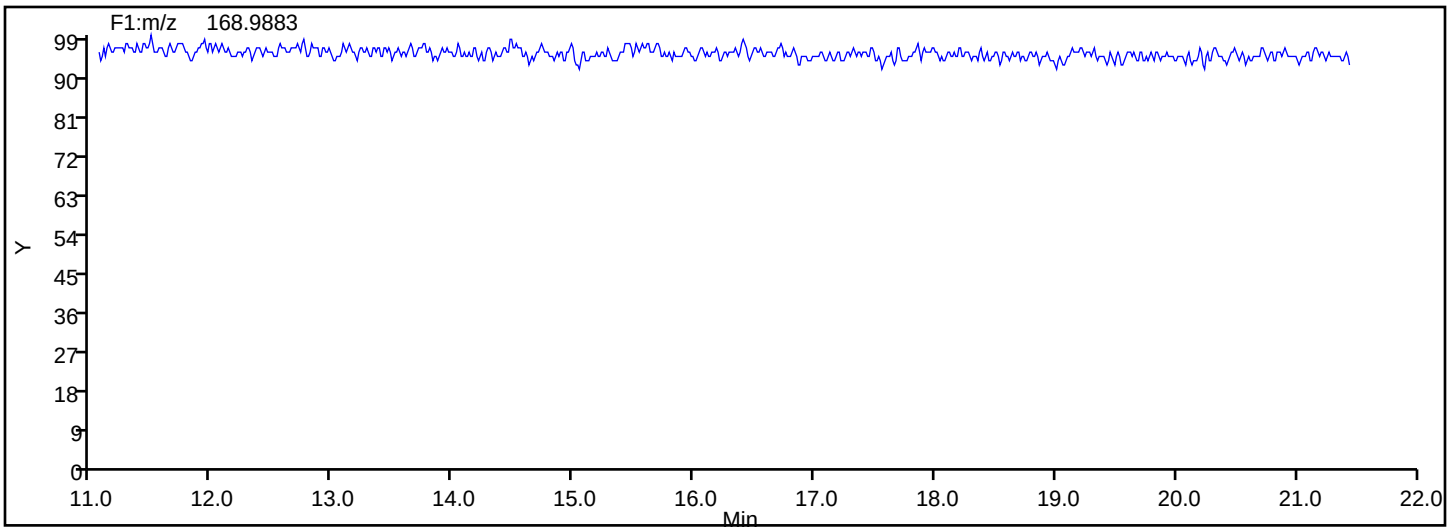
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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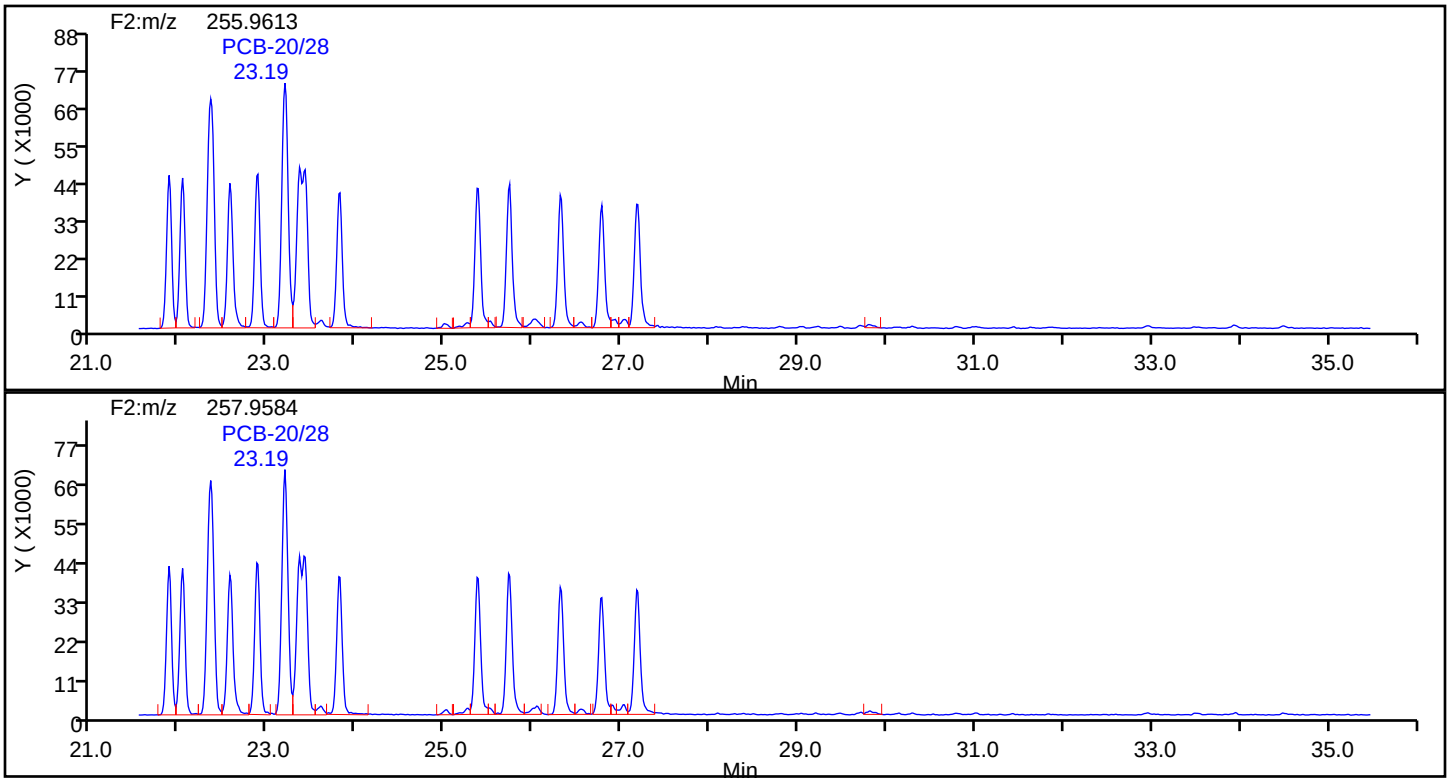
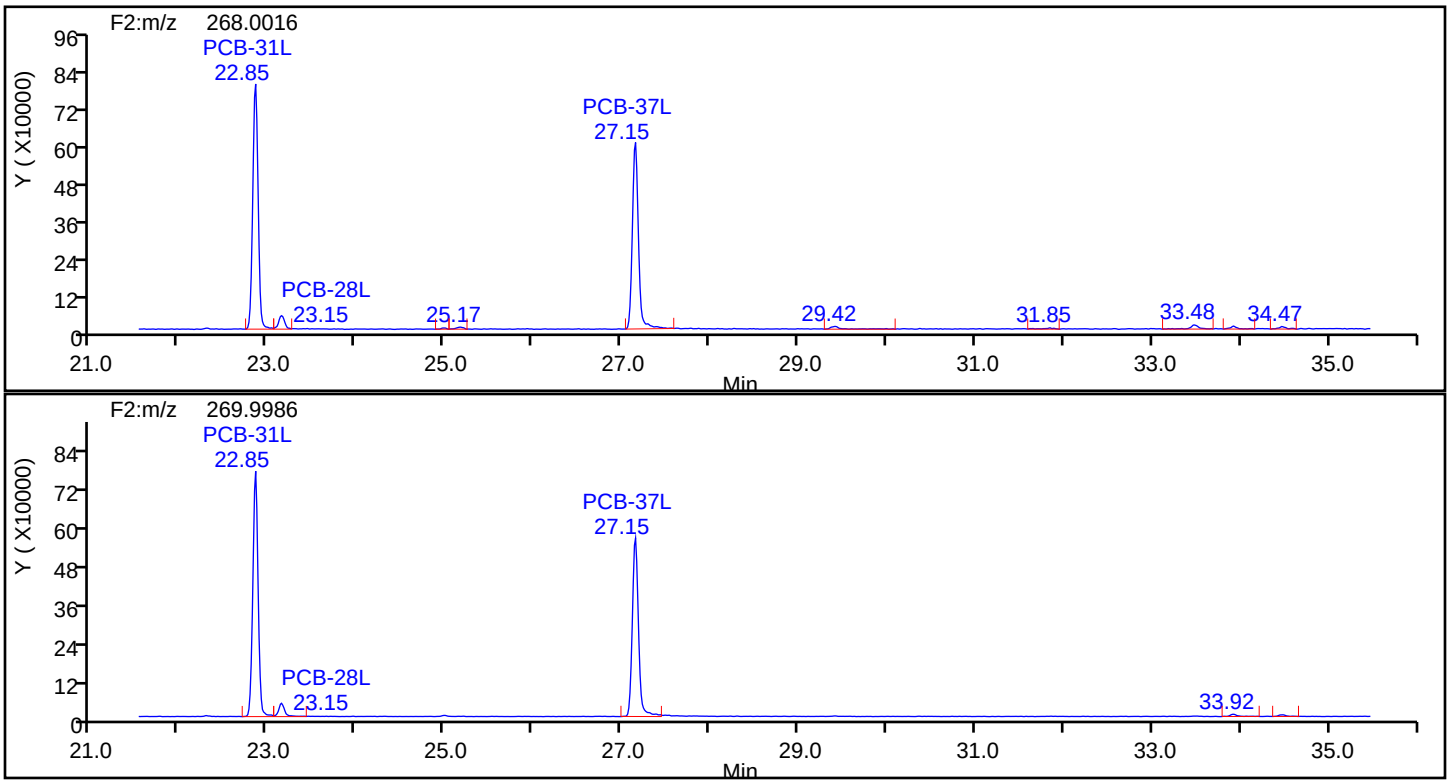
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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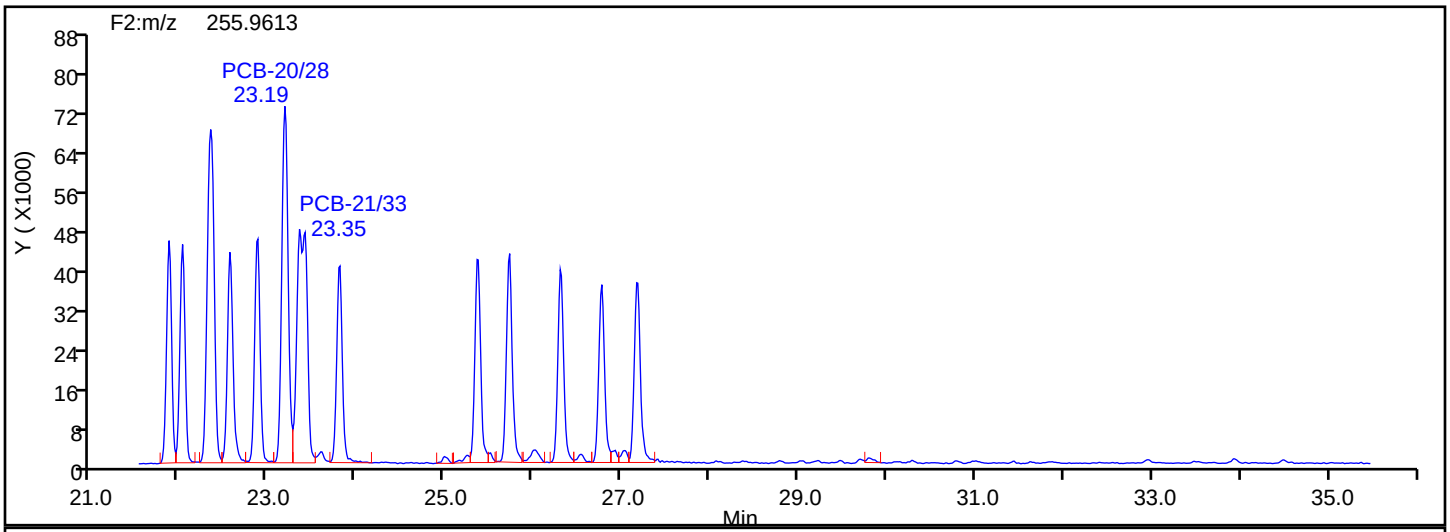
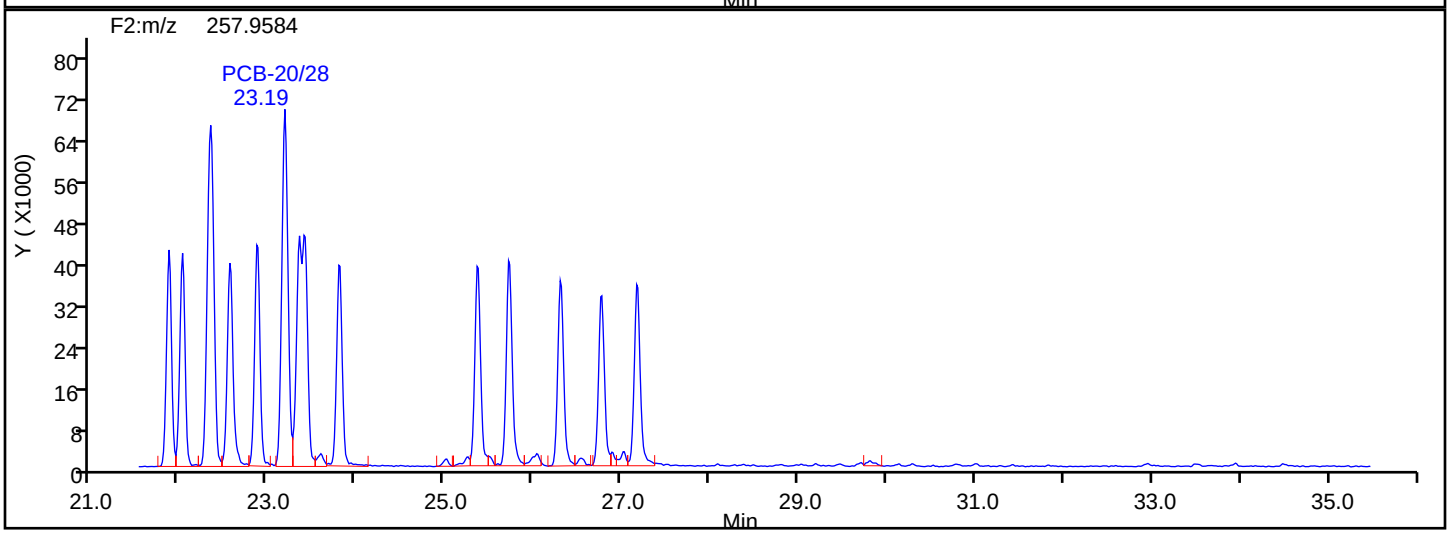
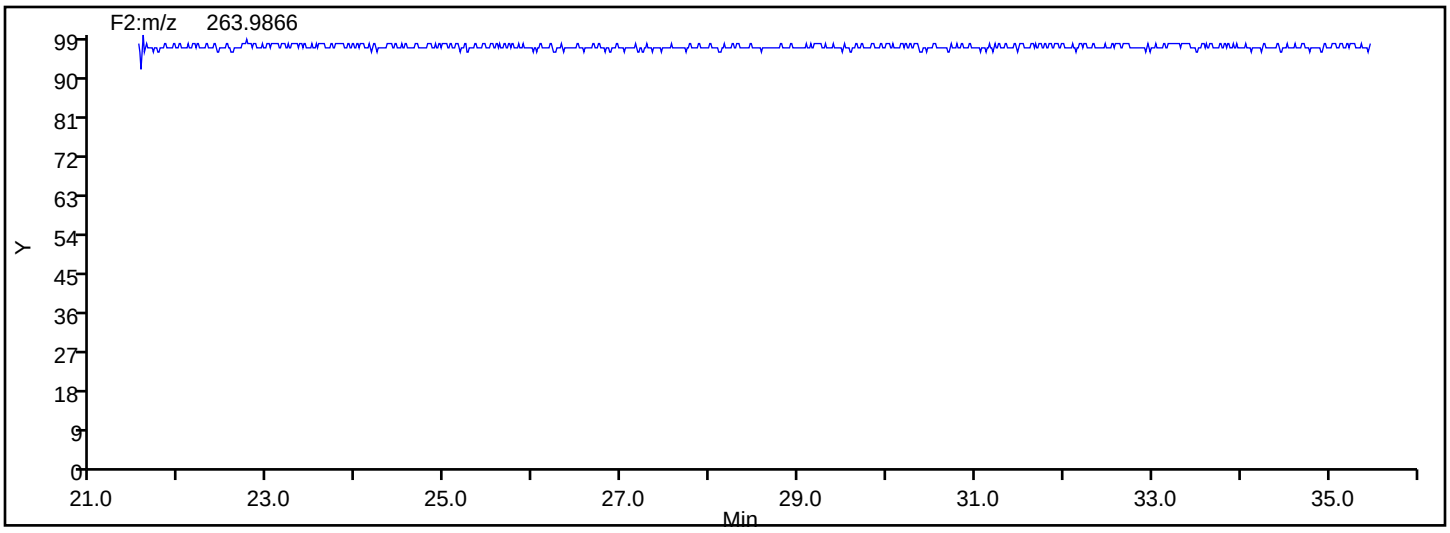
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

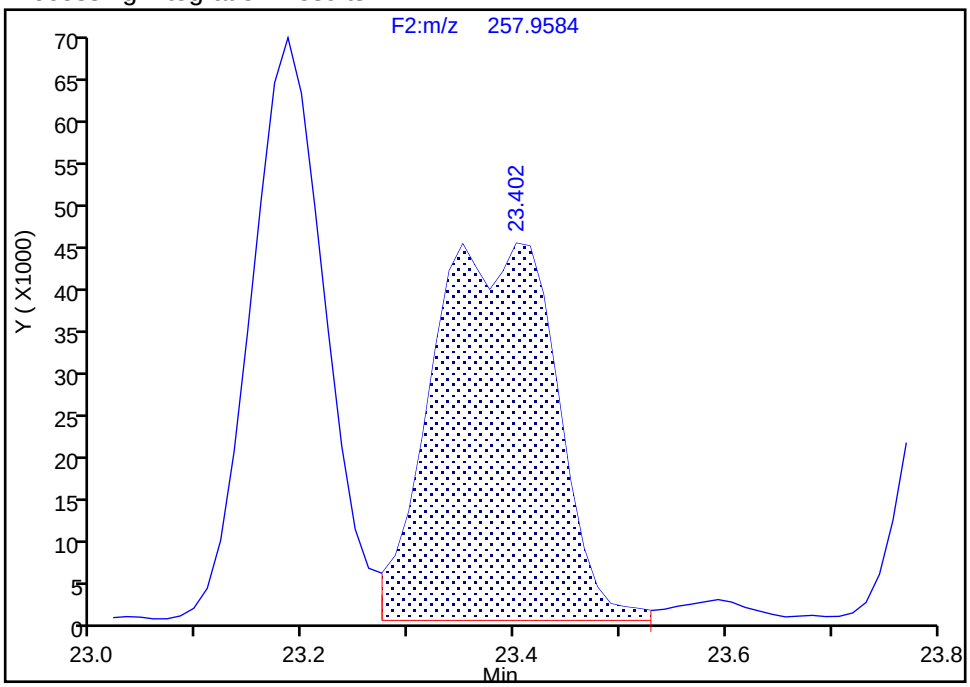
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 2

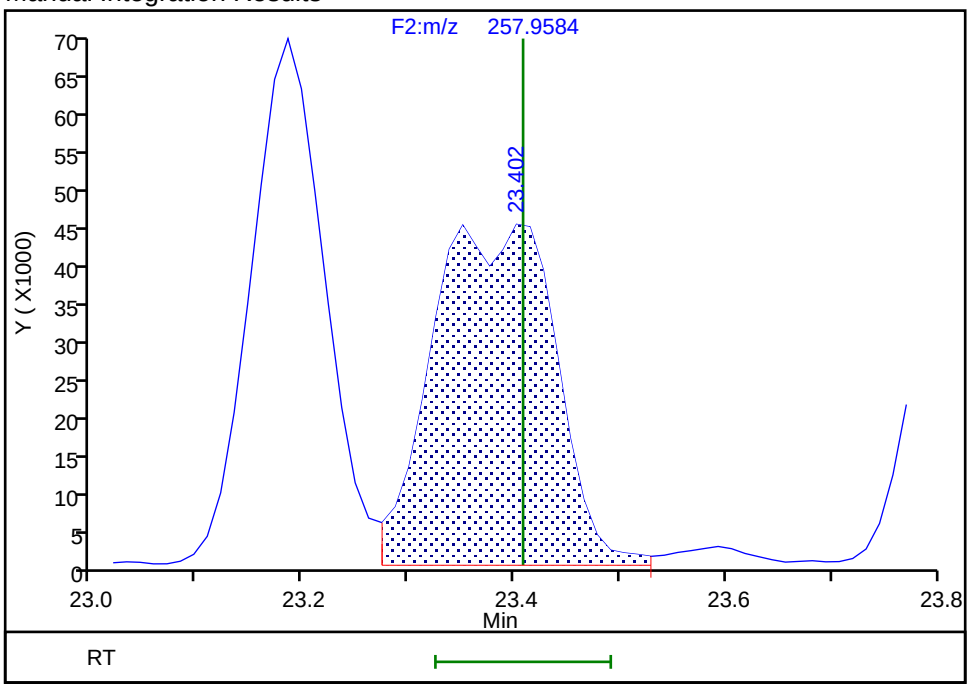
Processing Integration Results

RT: 23.40
Area: 366456
Amount: 7.734909
Amount Units: pg/ul




Manual Integration Results

RT: 23.40
Area: 366456
Amount: 9.691843
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:10:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

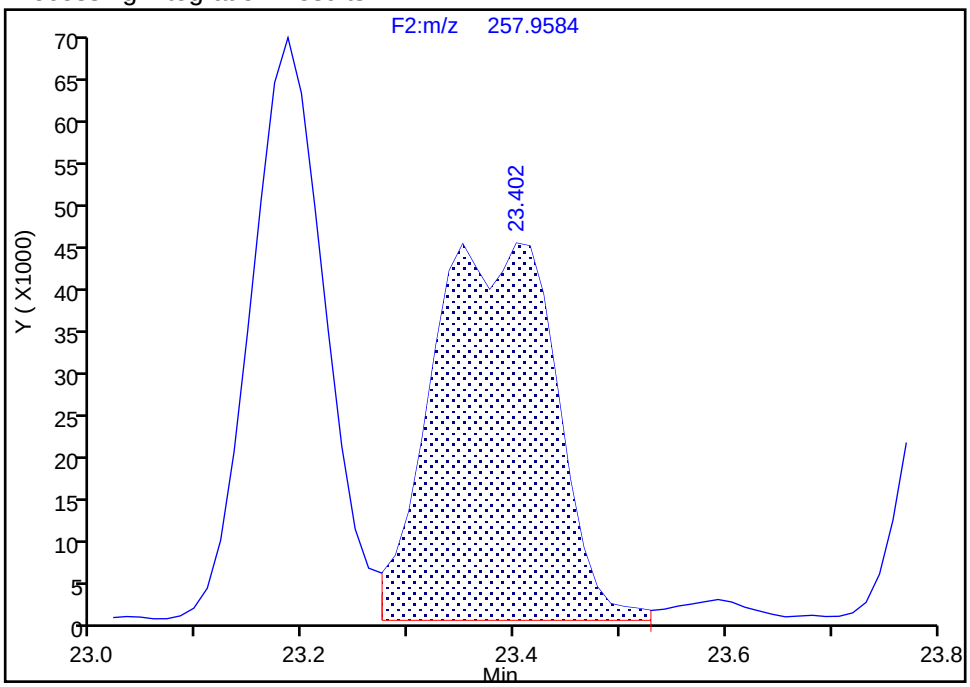
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 3

Processing Integration Results

RT: 23.41
Area: 582469
Amount: 7.734909
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 752775
Amount: 9.691843
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:10:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

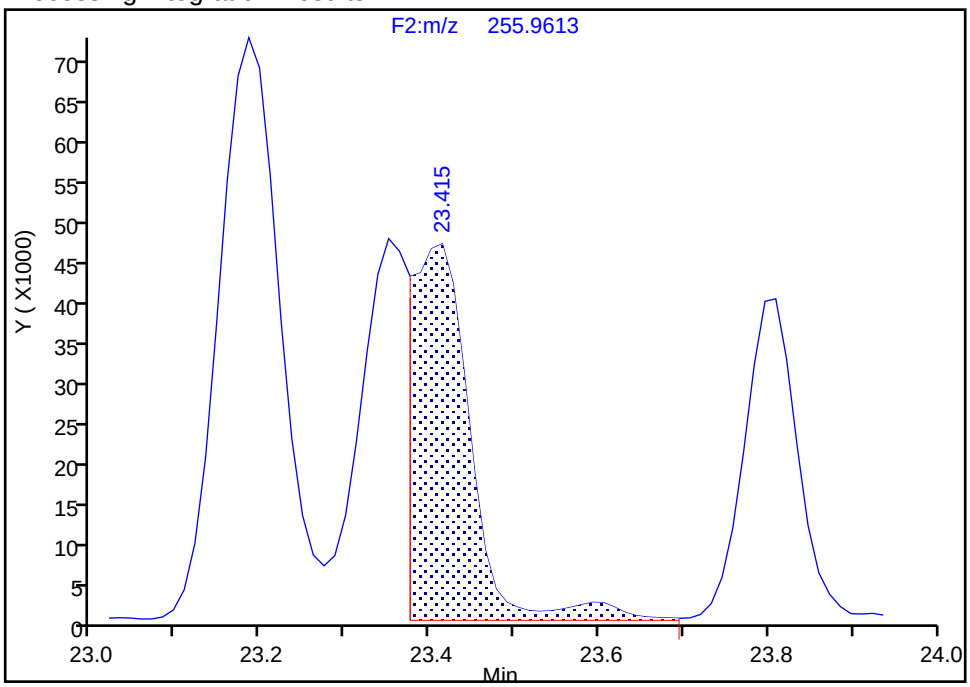
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 1

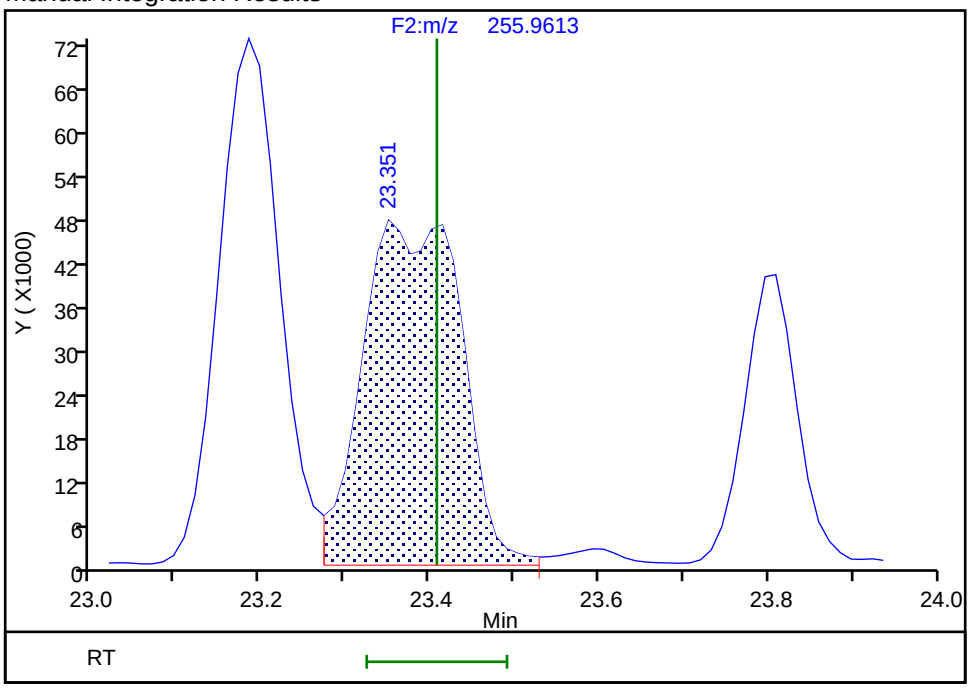
Processing Integration Results

RT: 23.41
Area: 216013
Amount: 7.734909
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 386319
Amount: 9.691843
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:10:44
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

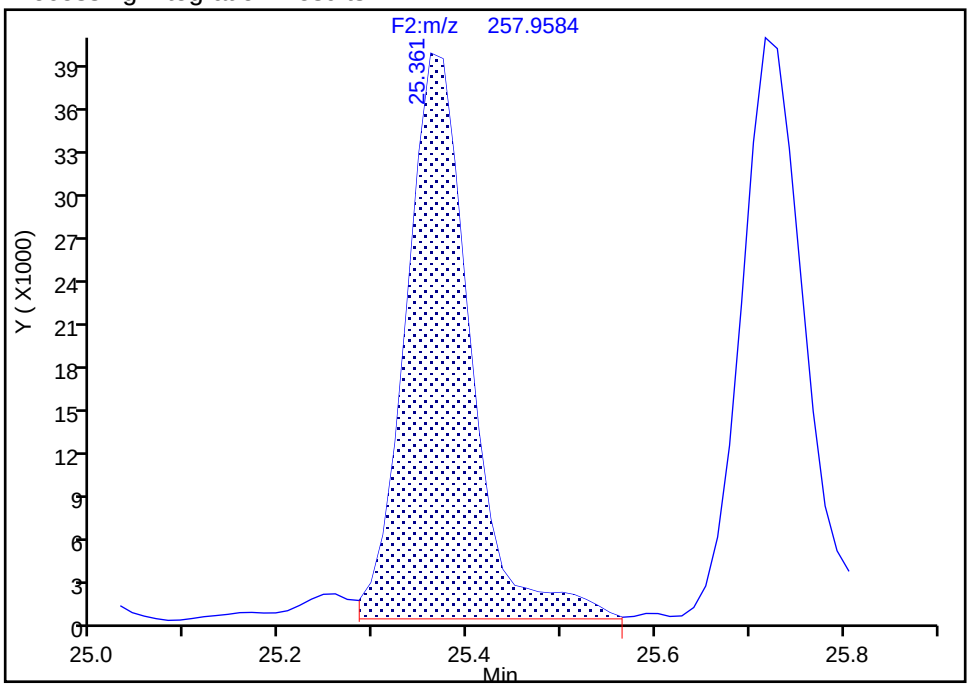
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 2

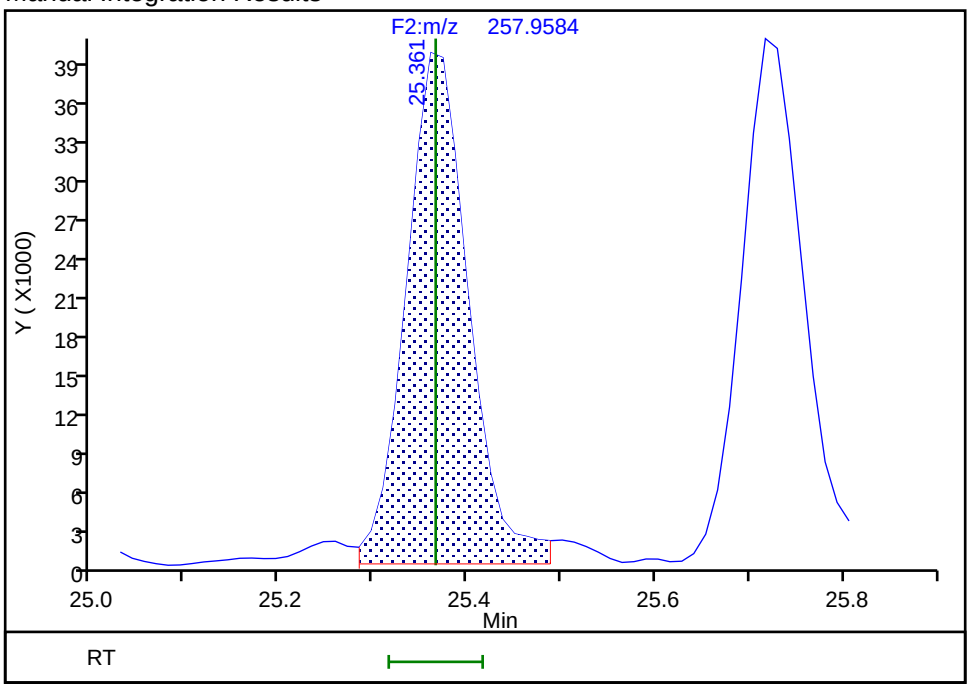
Processing Integration Results

RT: 25.36
Area: 184653
Amount: 4.887133
Amount Units: pg/ul




Manual Integration Results

RT: 25.36
Area: 179285
Amount: 4.878742
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:11:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

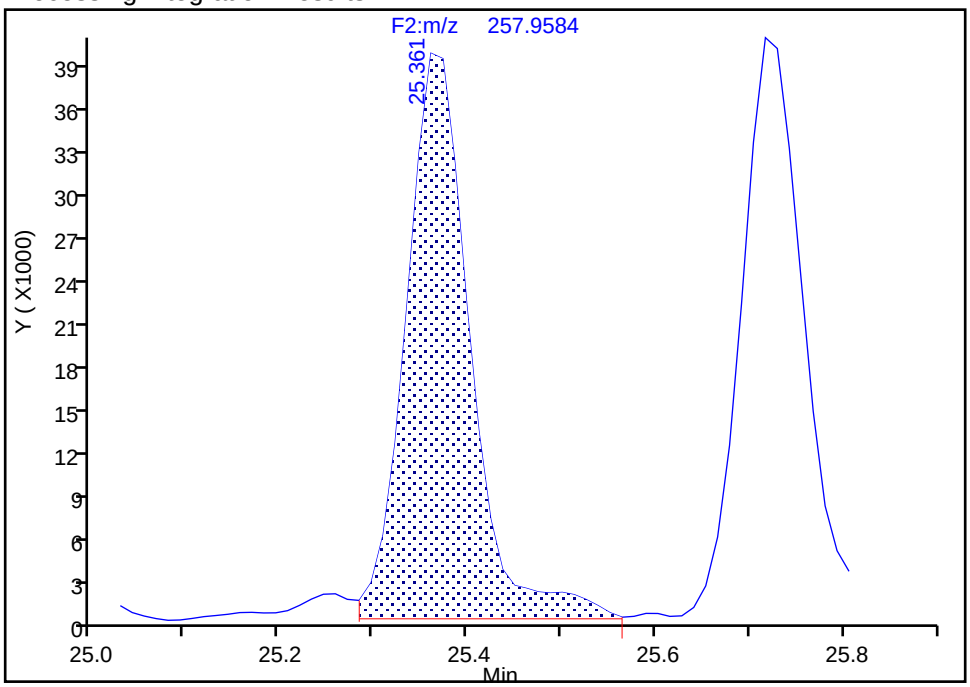
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 3

Processing Integration Results

RT: 25.36
Area: 381752
Amount: 4.887133
Amount Units: pg/ul




Manual Integration Results

RT: 25.36
Area: 370462
Amount: 4.878742
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:11:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

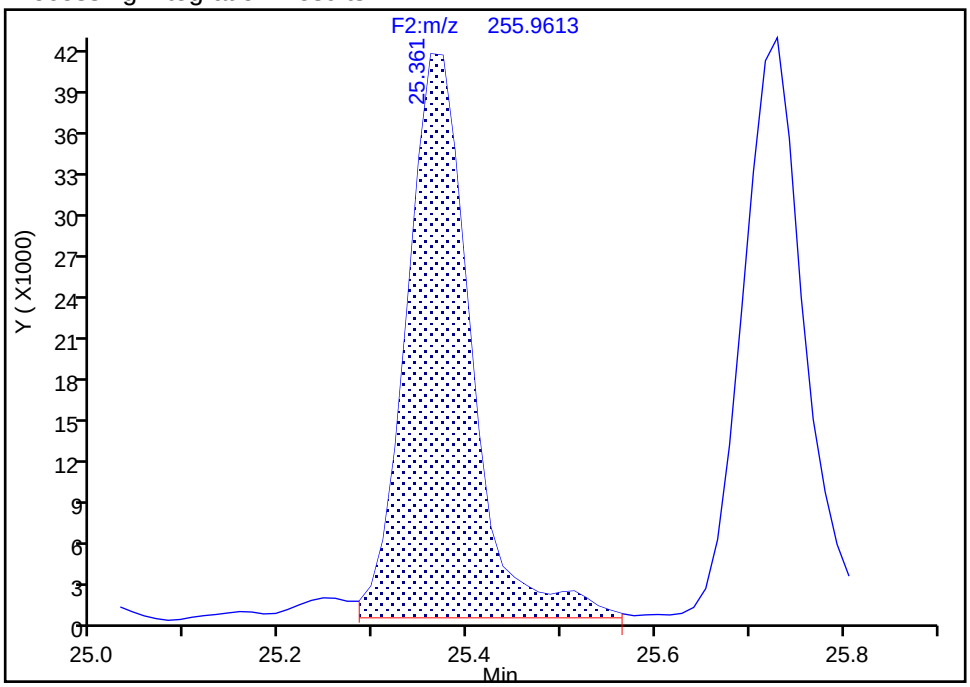
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 1

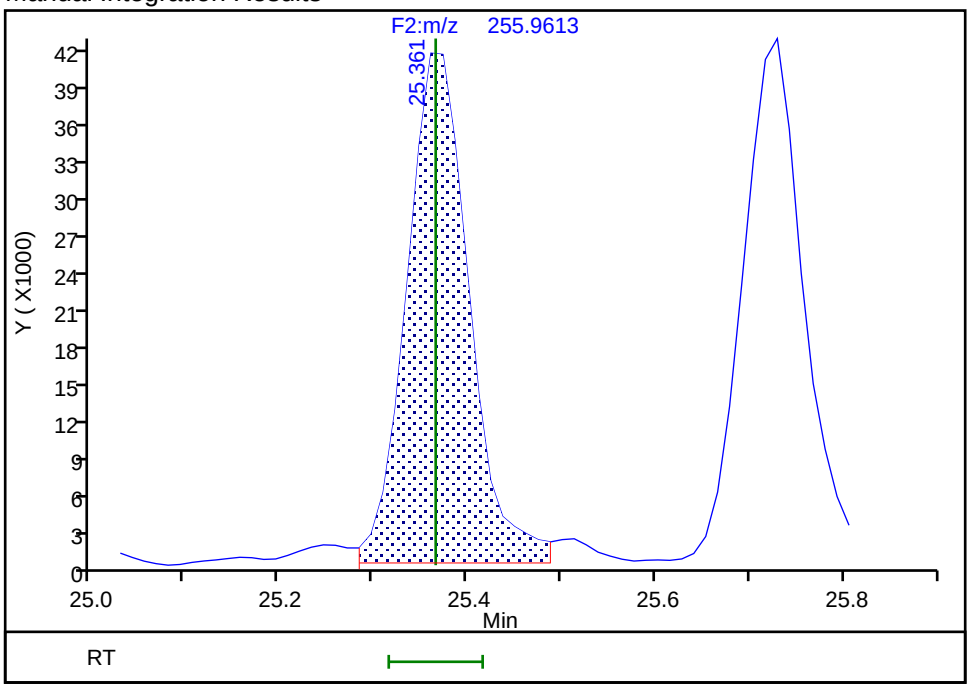
Processing Integration Results

RT: 25.36
Area: 197099
Amount: 4.887133
Amount Units: pg/ul




Manual Integration Results

RT: 25.36
Area: 191177
Amount: 4.878742
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:11:26
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

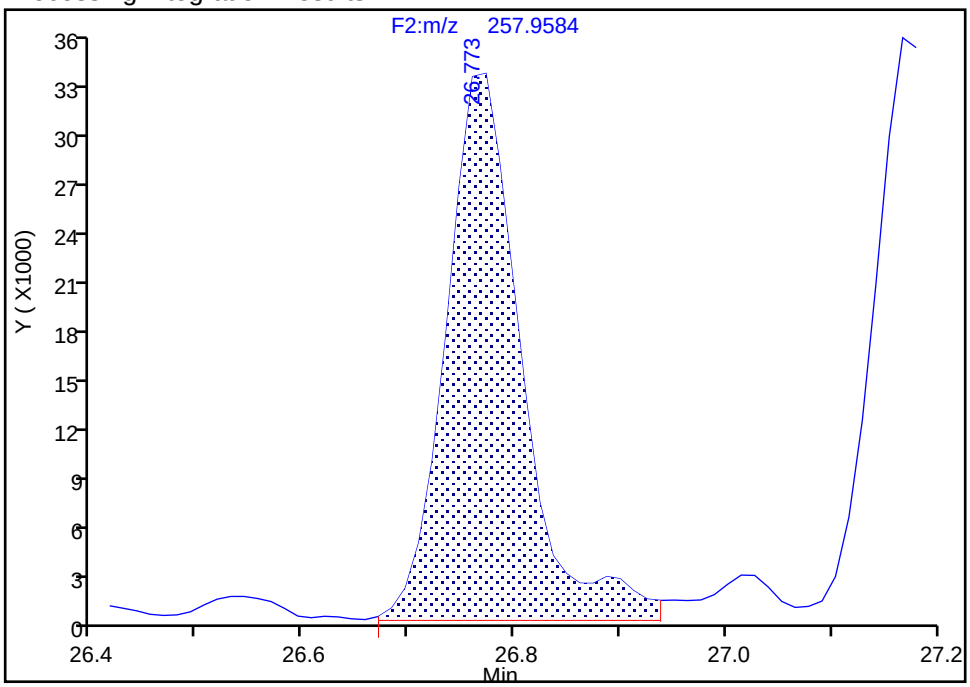
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 2

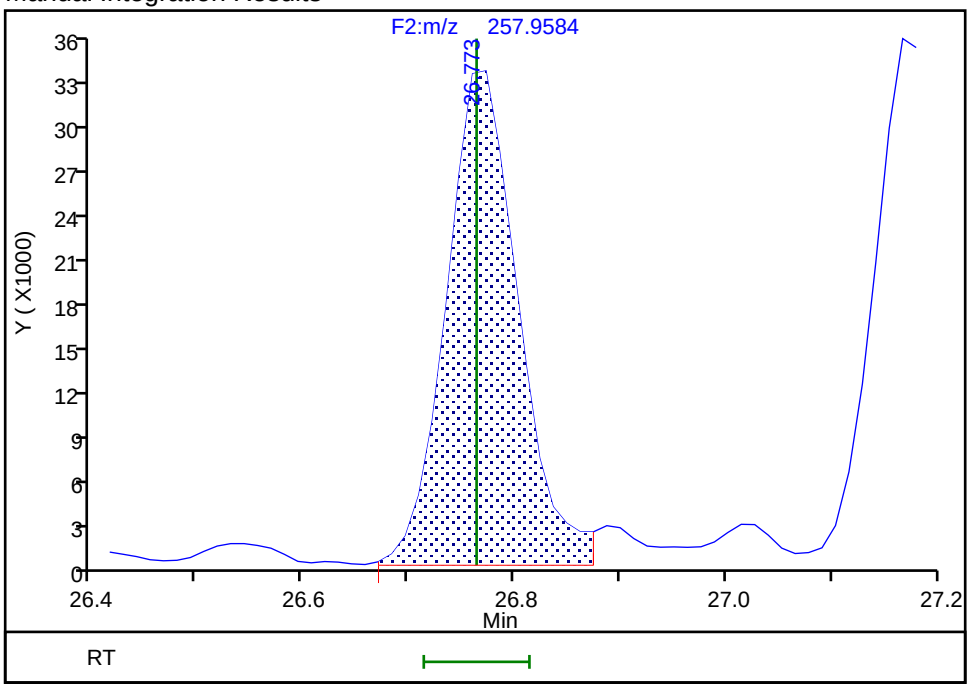
Processing Integration Results

RT: 26.77
Area: 164401
Amount: 4.886765
Amount Units: pg/ul




Manual Integration Results

RT: 26.77
Area: 156803
Amount: 4.728491
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:11:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

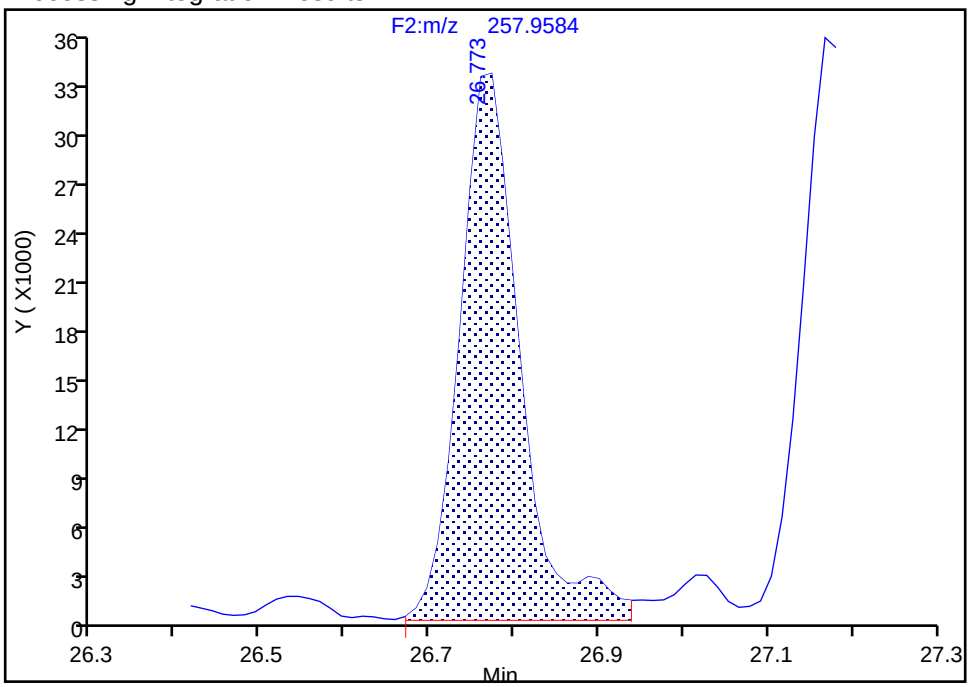
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 3

Processing Integration Results

RT: 26.77
Area: 342679
Amount: 4.886765
Amount Units: pg/ul




Manual Integration Results

RT: 26.77
Area: 324345
Amount: 4.728491
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:11:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

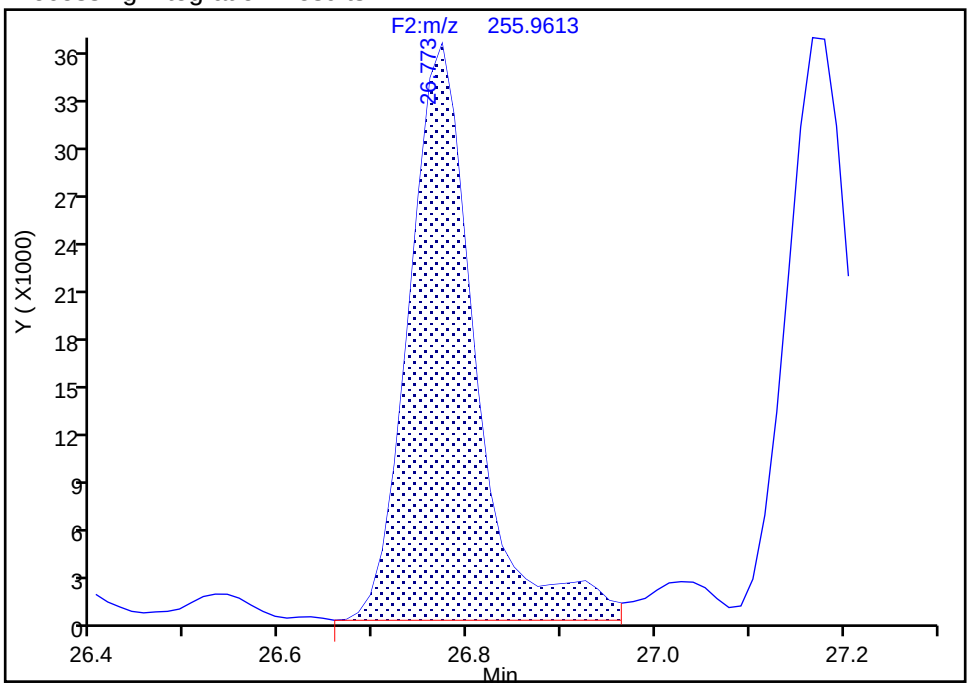
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 1

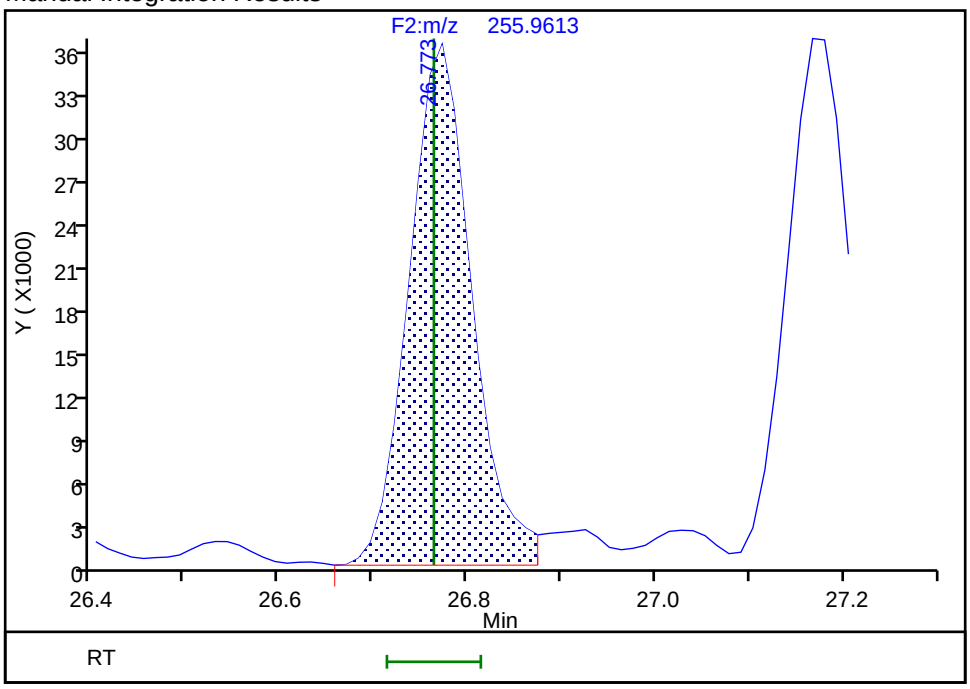
Processing Integration Results

RT: 26.77
Area: 178278
Amount: 4.886765
Amount Units: pg/ul




Manual Integration Results

RT: 26.77
Area: 167542
Amount: 4.728491
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:11:47

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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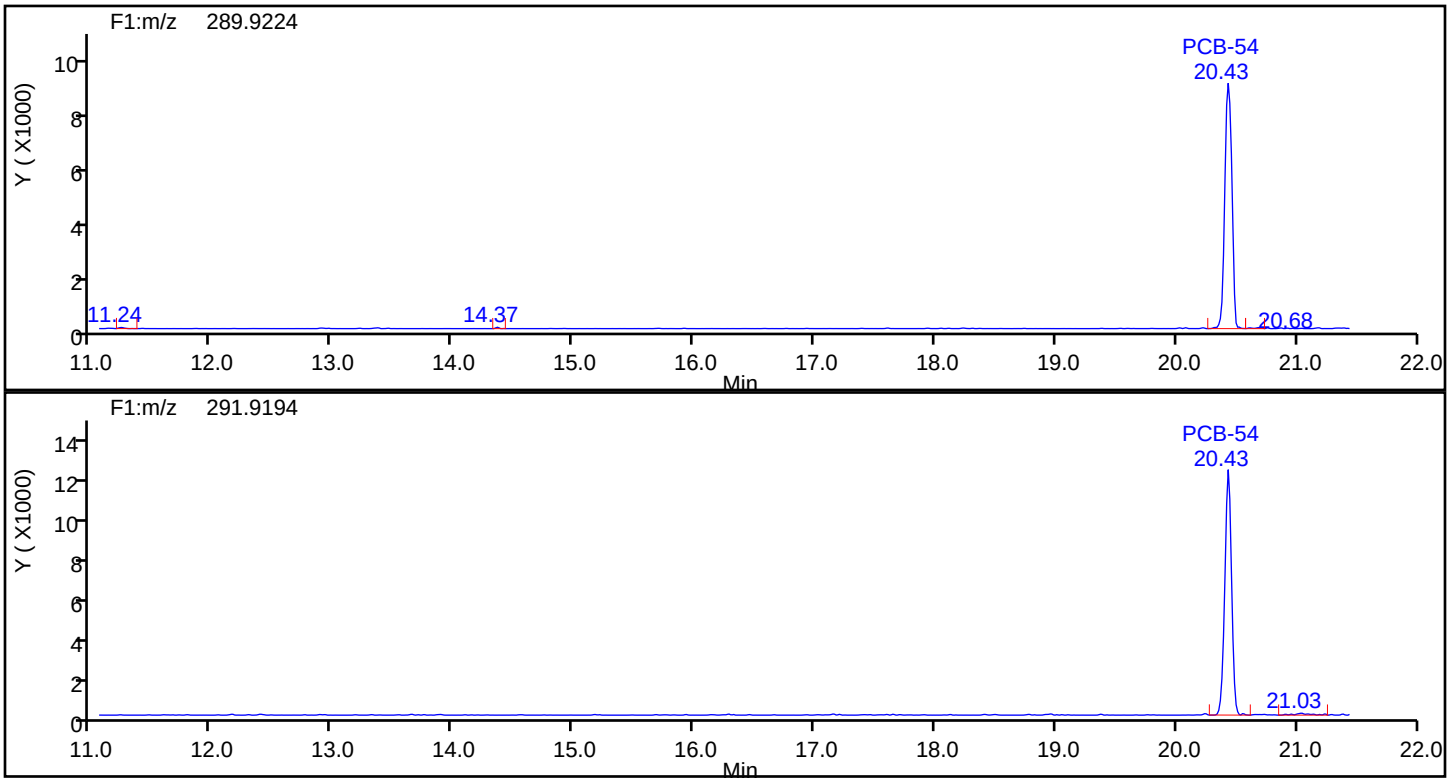
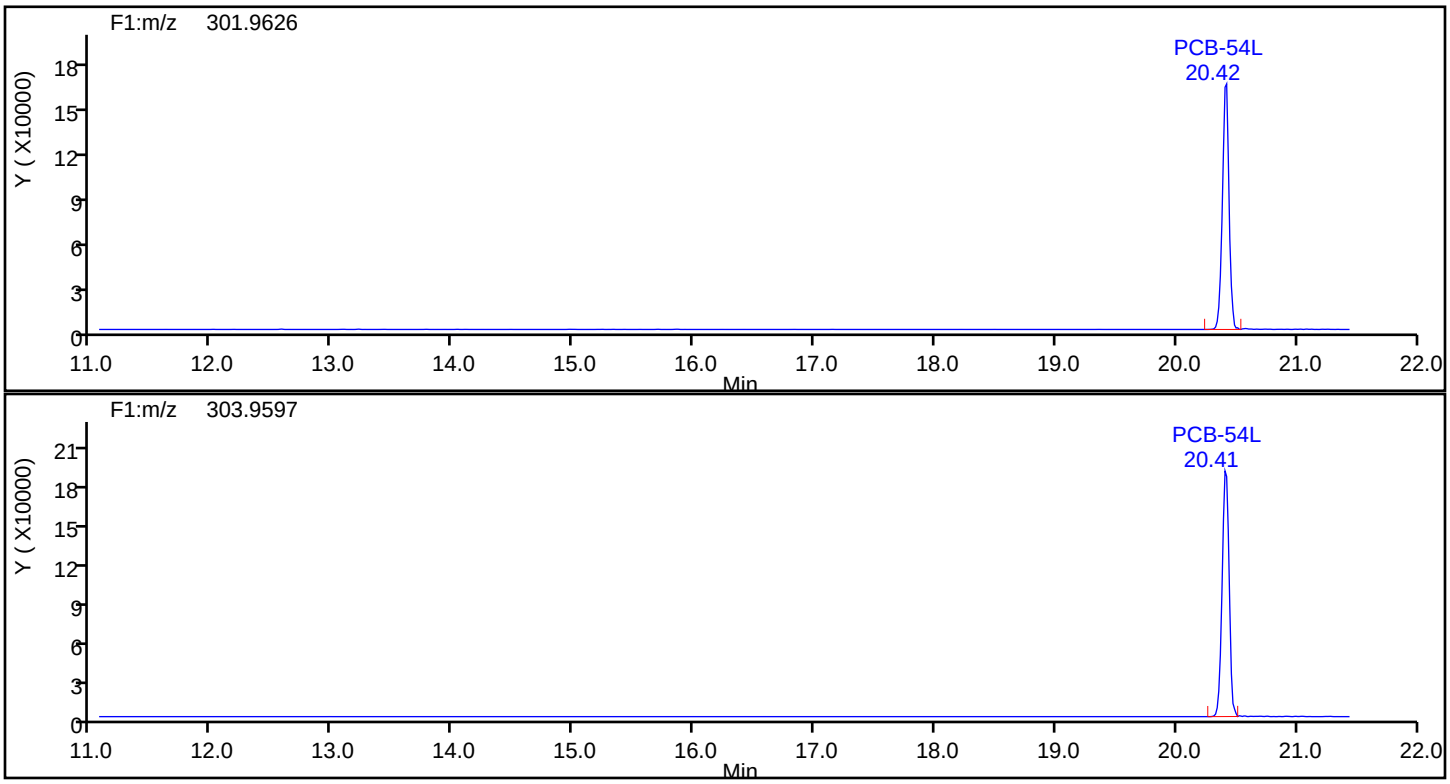
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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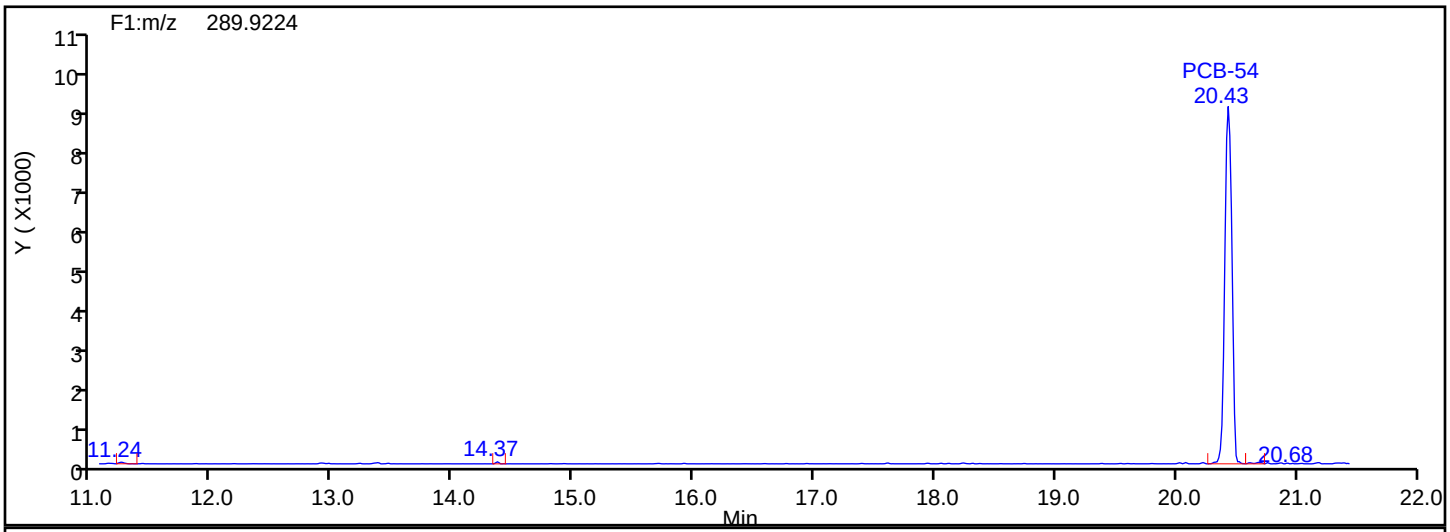
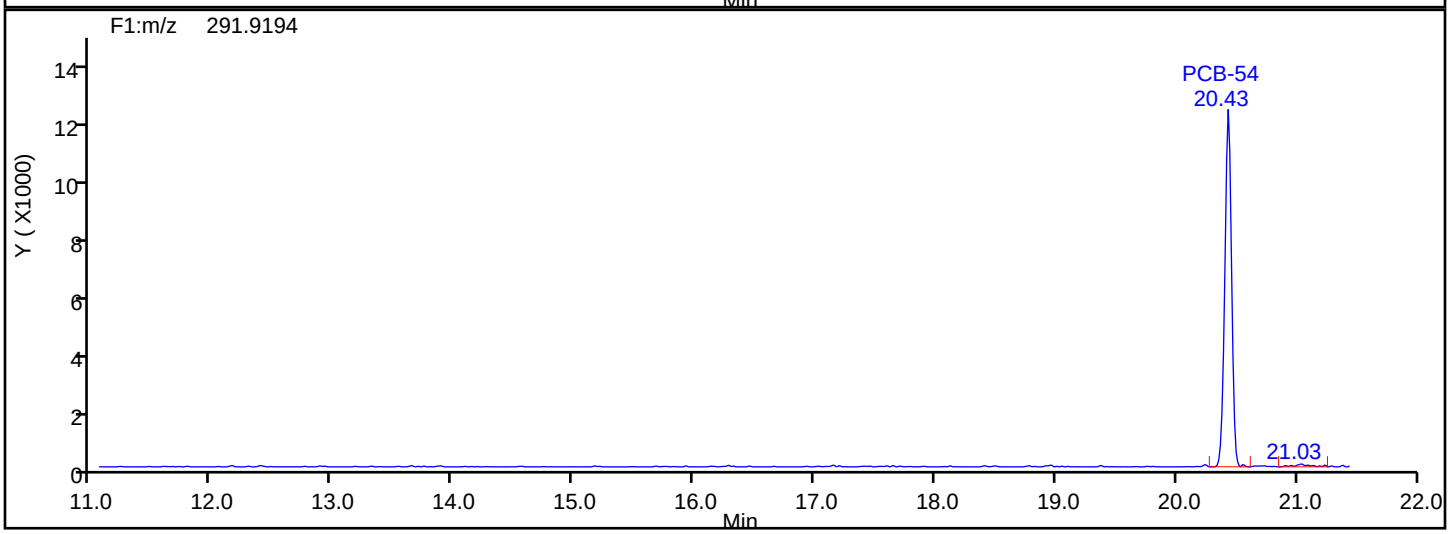
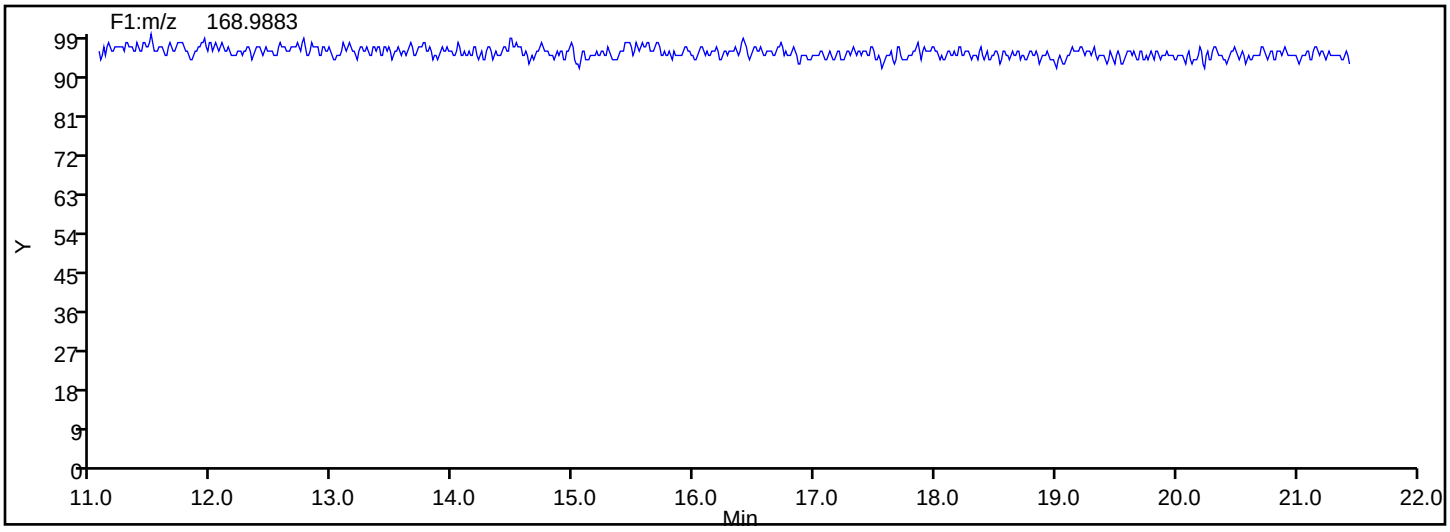
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



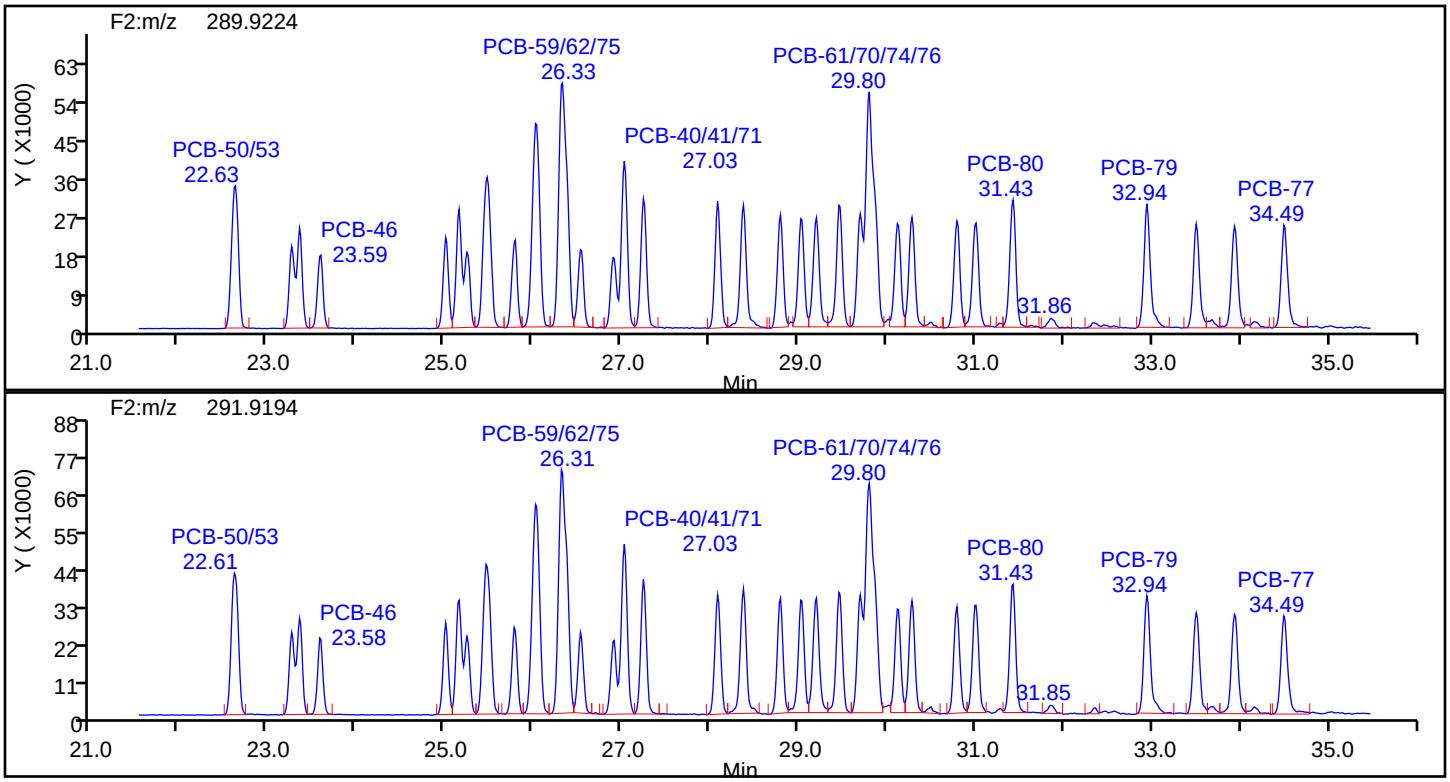

TePCB F1 Lock Mass



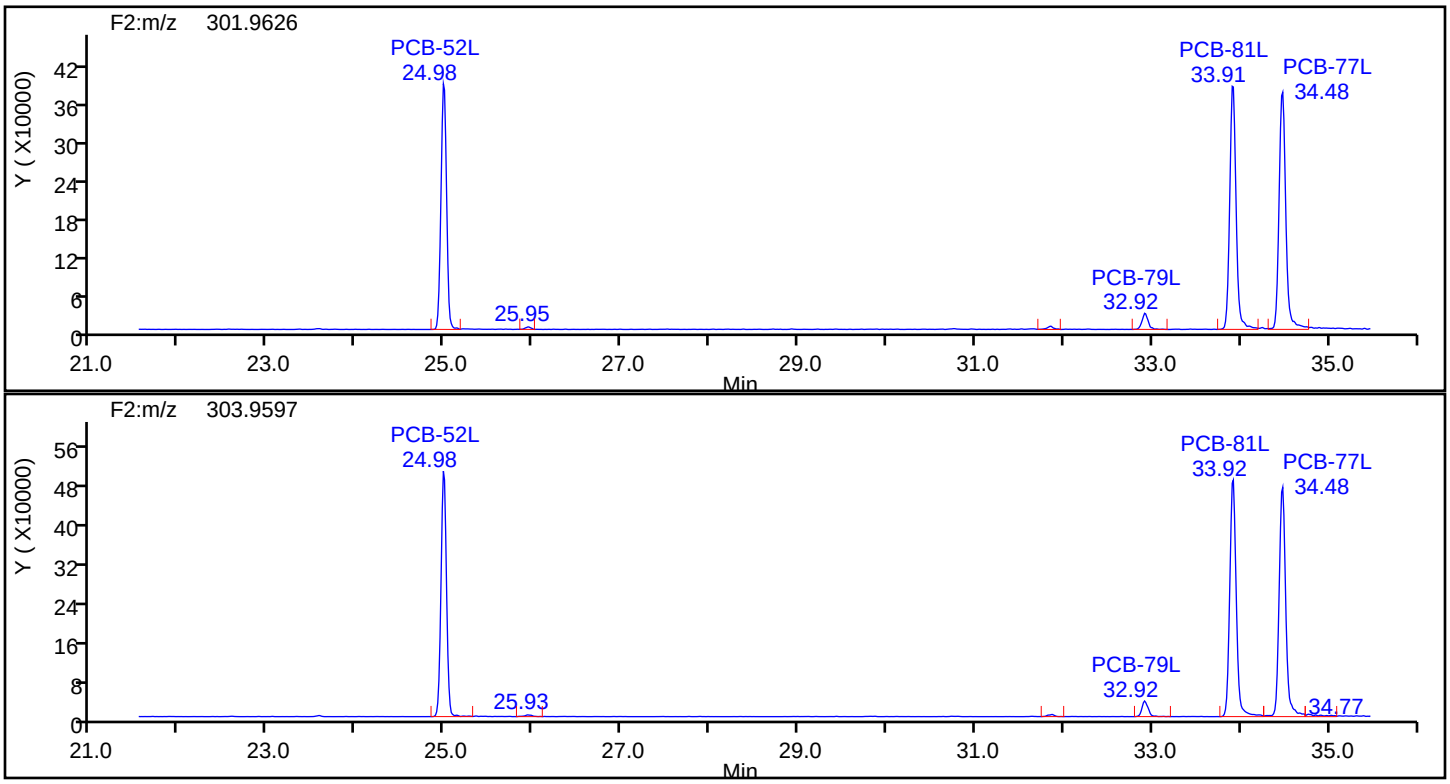
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



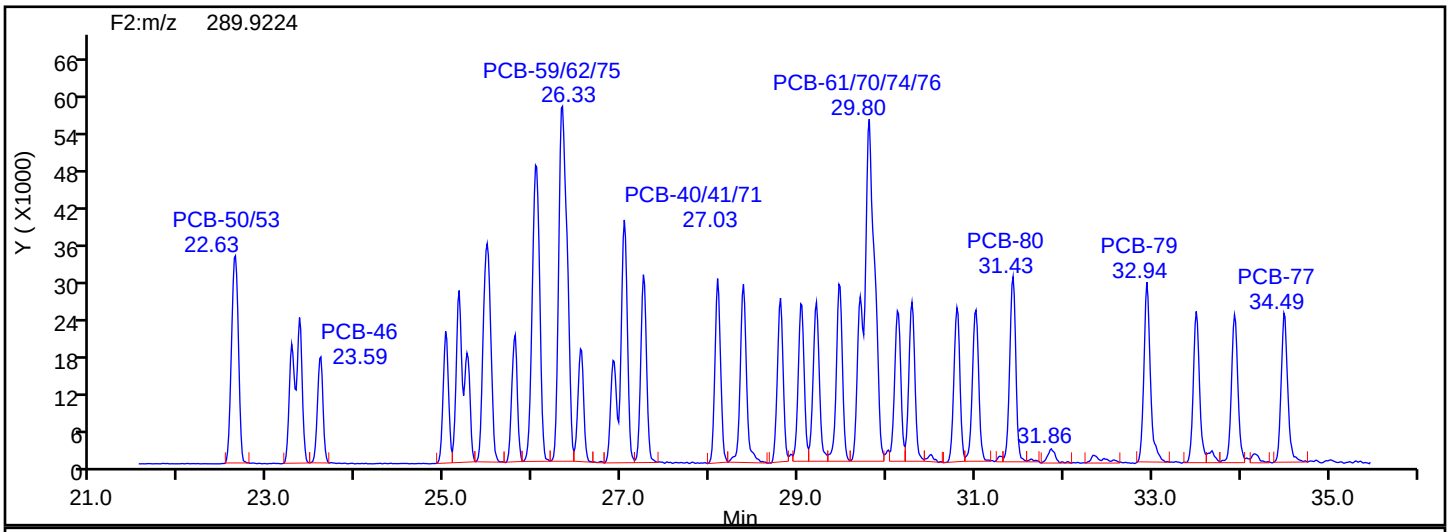

TePCB F2 Standards

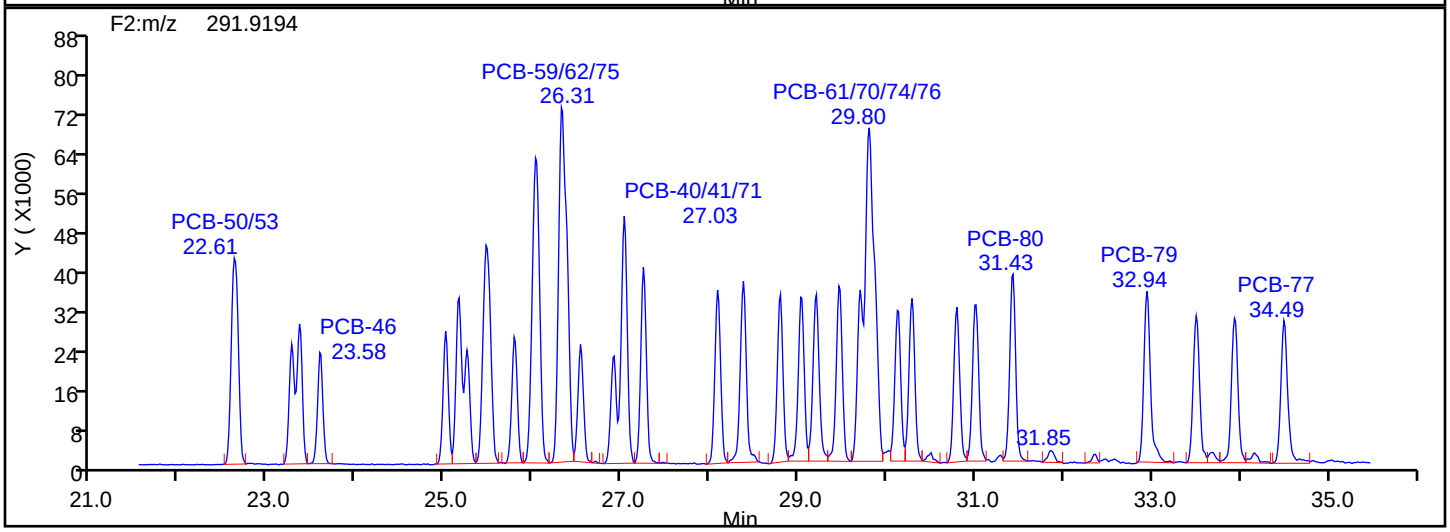


Eurofins TestAmerica, Knoxville

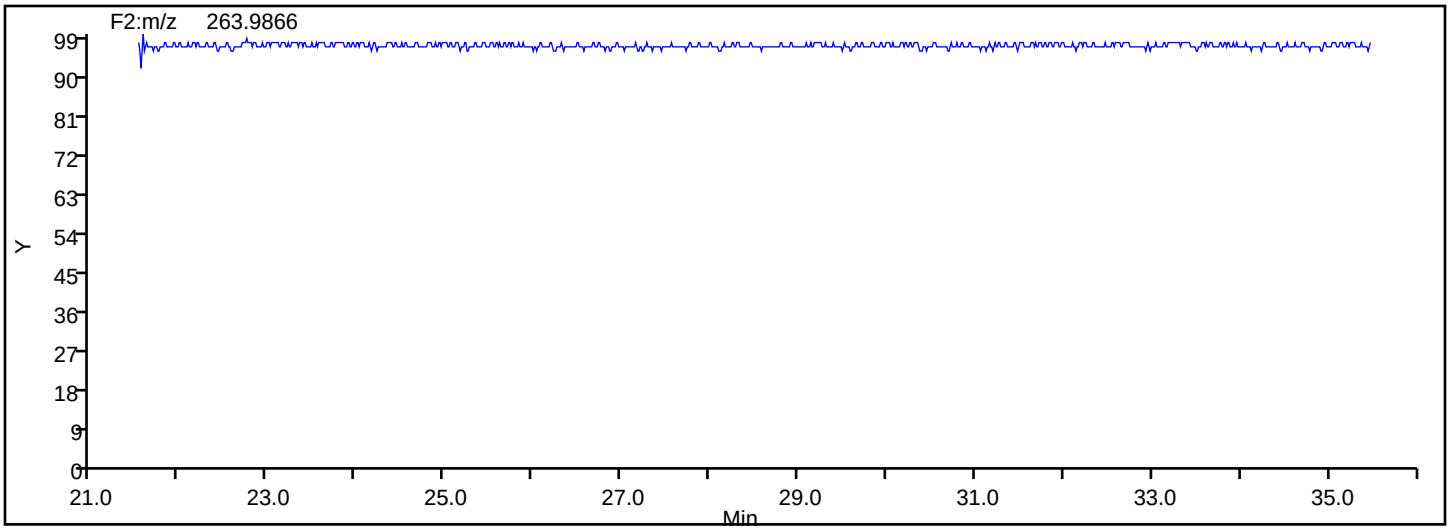
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

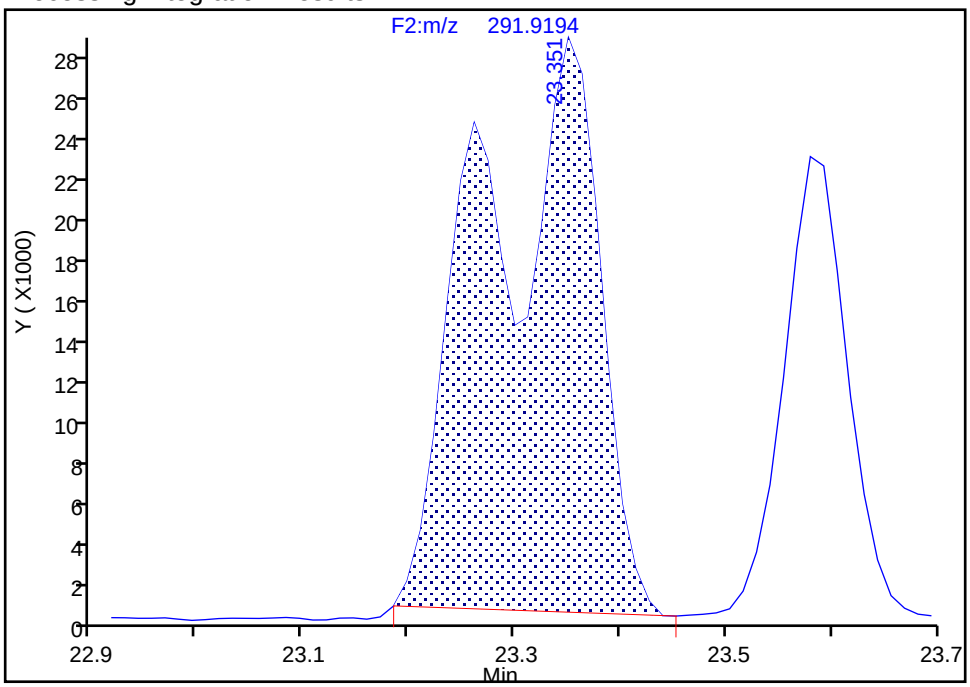
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

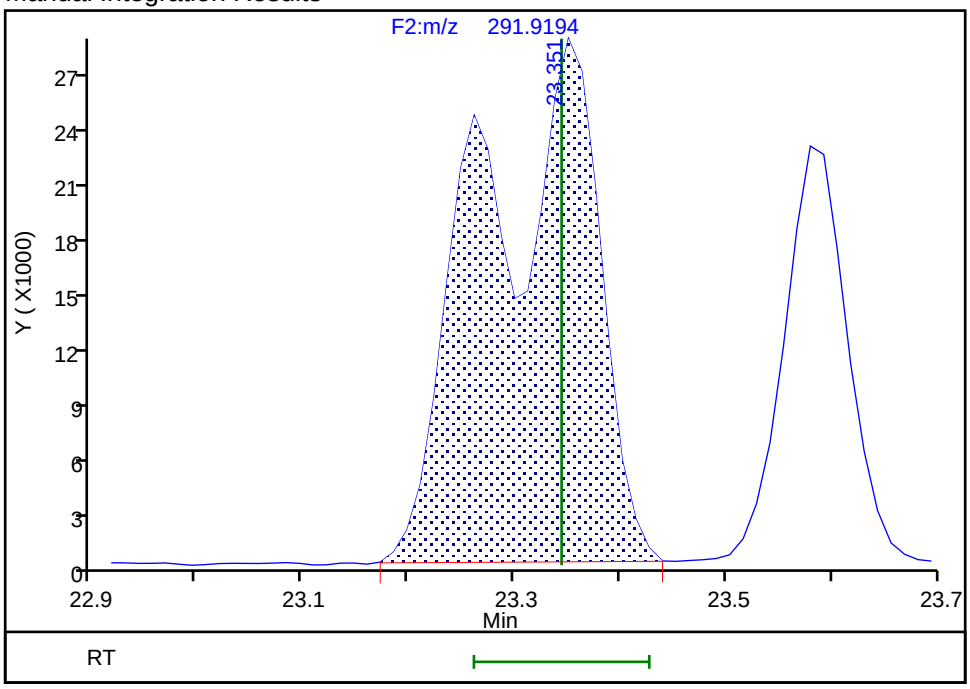
Processing Integration Results

RT: 23.35
Area: 215568
Amount: 9.569399
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 220433
Amount: 10.092616
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:12:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

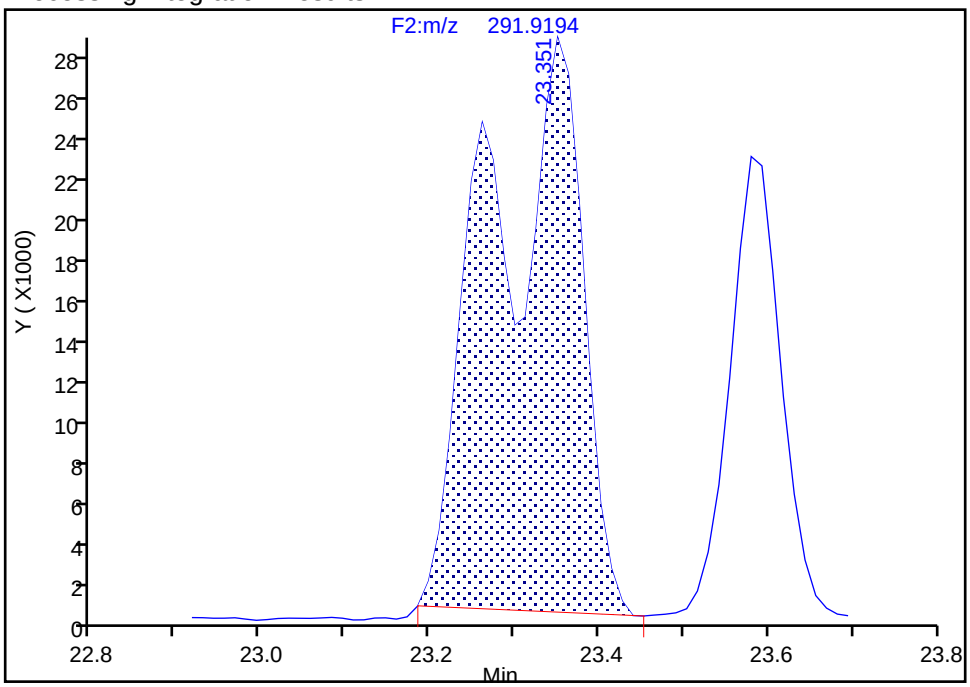
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.35
Area: 305296
Amount: 9.569399
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 396129
Amount: 10.092616
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:12:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

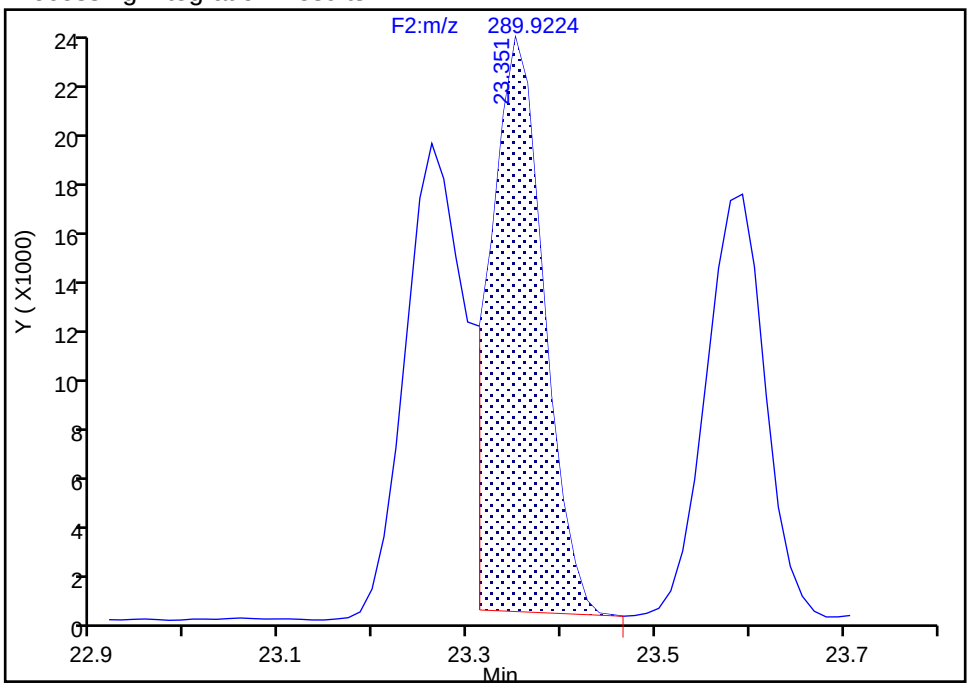
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 1

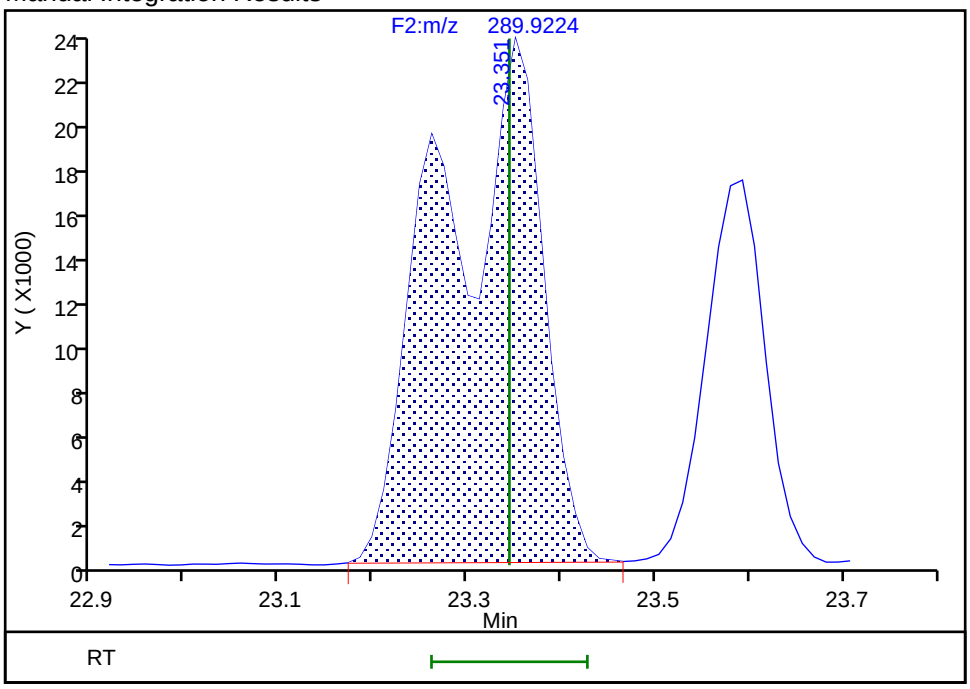
Processing Integration Results

RT: 23.35
Area: 89728
Amount: 9.569399
Amount Units: pg/ul




Manual Integration Results

RT: 23.35
Area: 175696
Amount: 10.092616
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:12:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

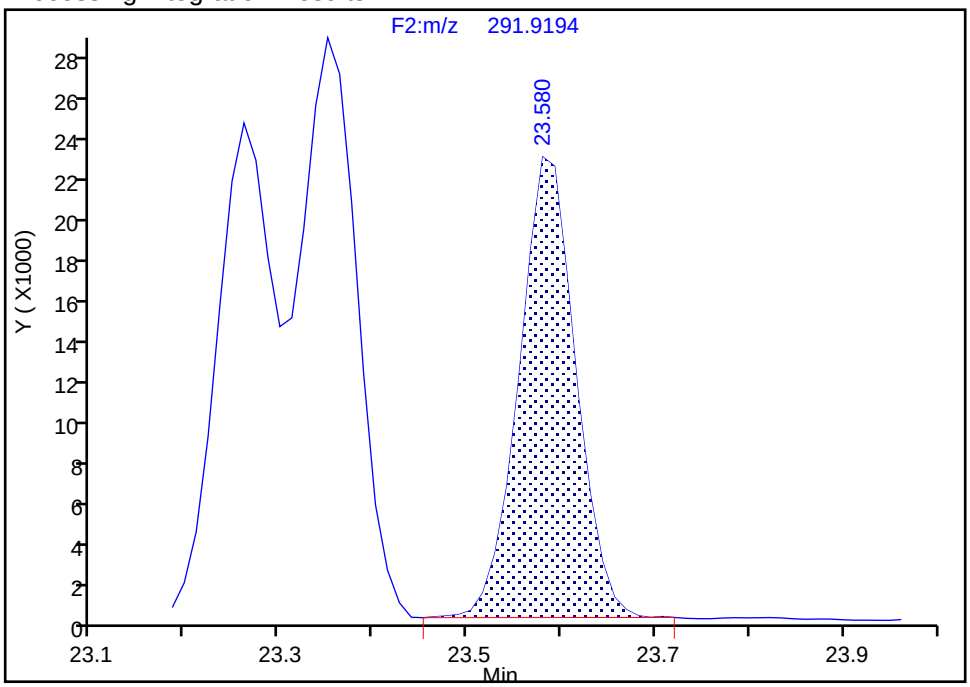
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-46, CAS: 41464-47-5

Signal: 2

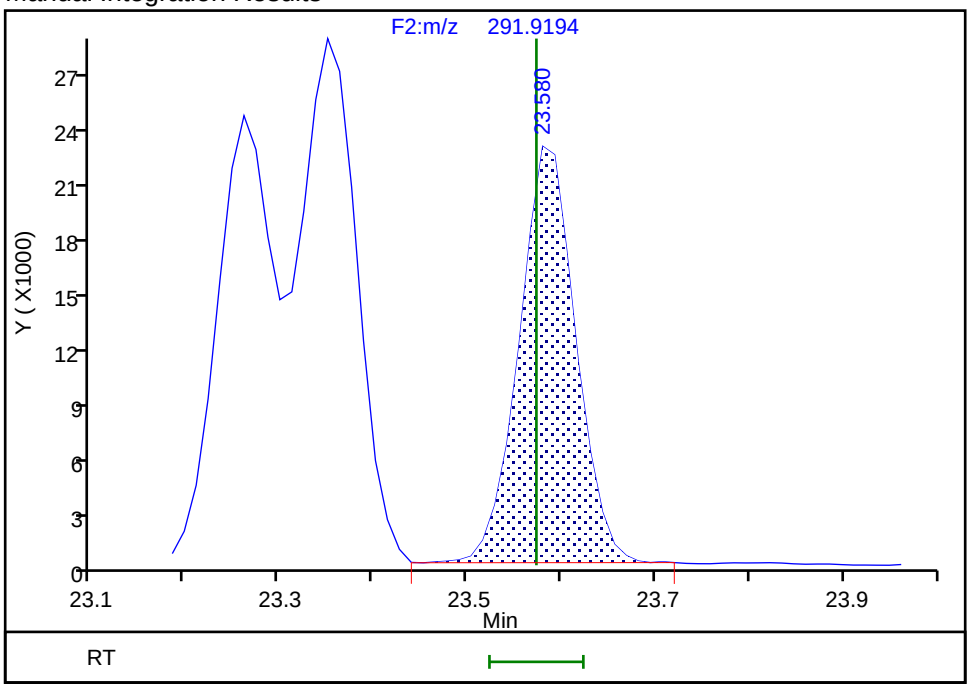
Processing Integration Results

RT: 23.58
Area: 95293
Amount: 5.039324
Amount Units: pg/ul




Manual Integration Results

RT: 23.58
Area: 95271
Amount: 5.067323
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:12:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

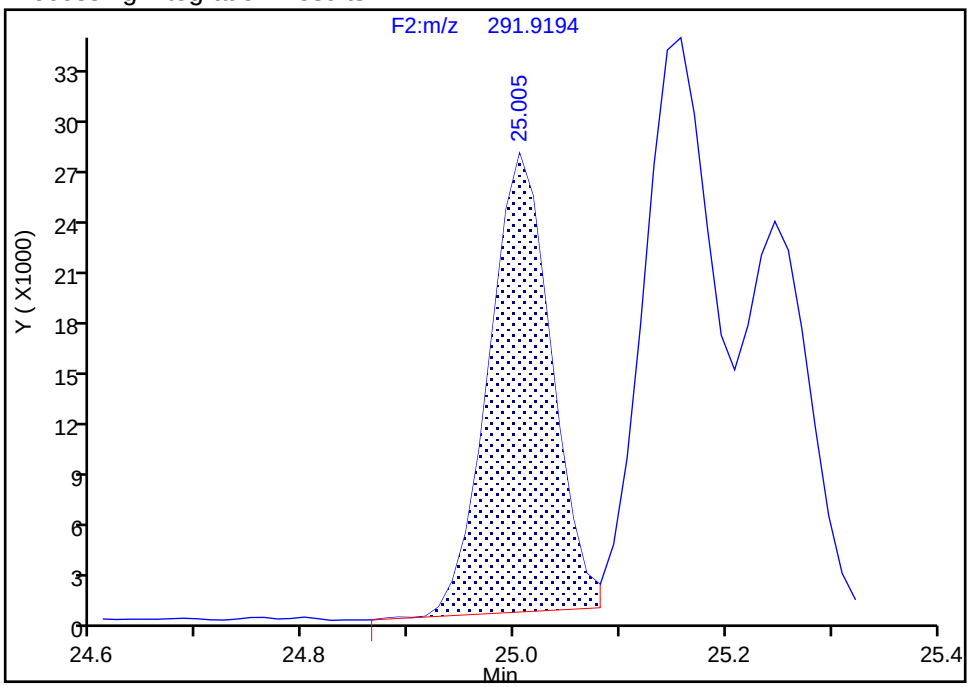
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

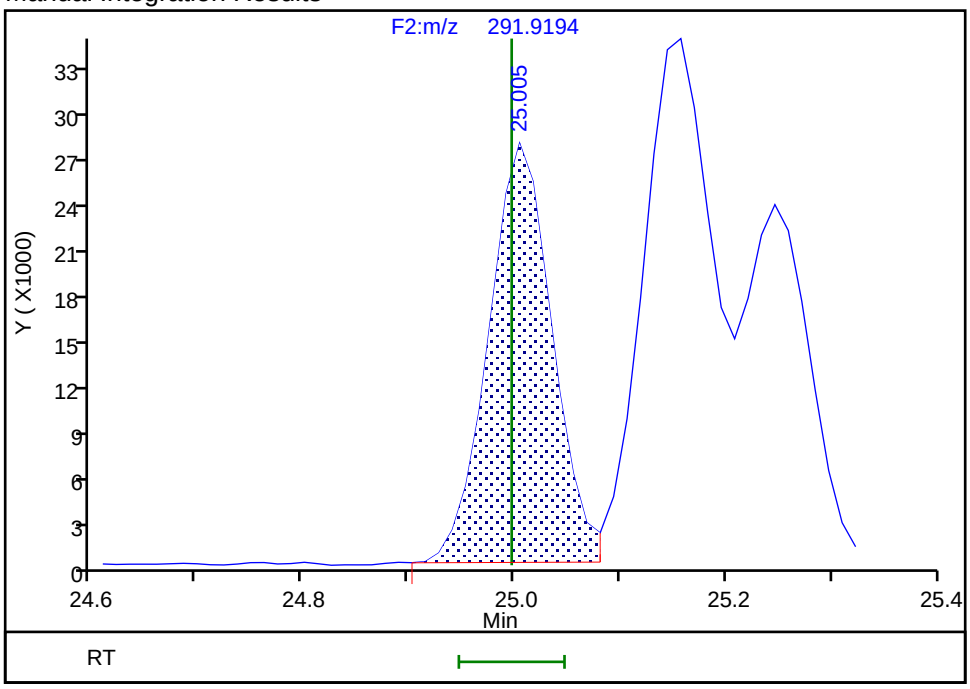
Processing Integration Results

RT: 25.00
Area: 110898
Amount: 5.020092
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 113644
Amount: 5.127604
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:15:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

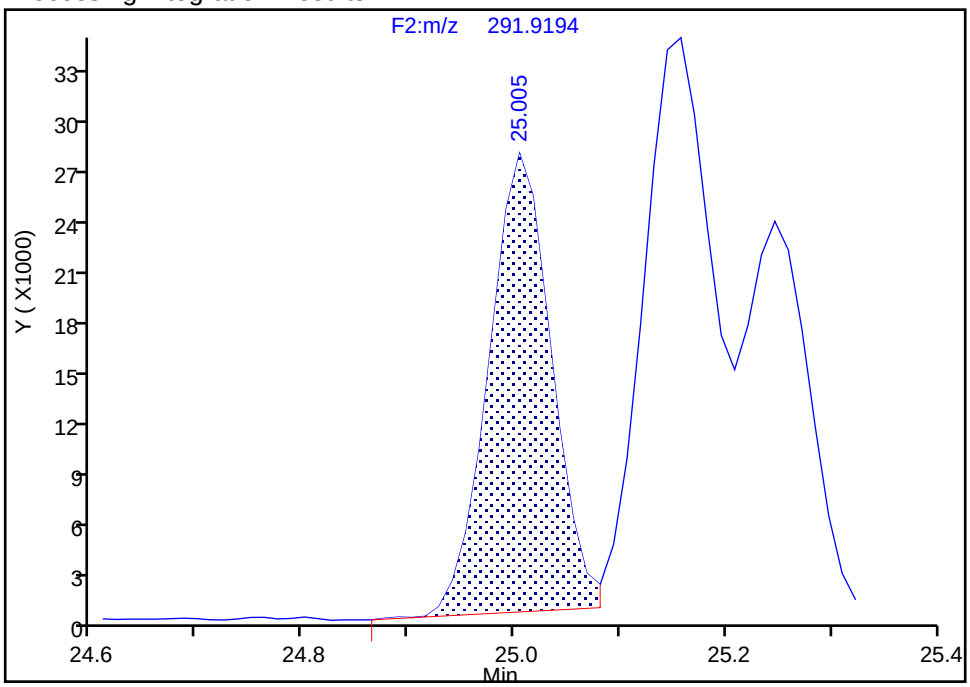
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-52, CAS: 35693-99-3

Signal: 3

Processing Integration Results

RT: 25.00
Area: 199923
Amount: 5.020092
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 204488
Amount: 5.127604
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:15:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

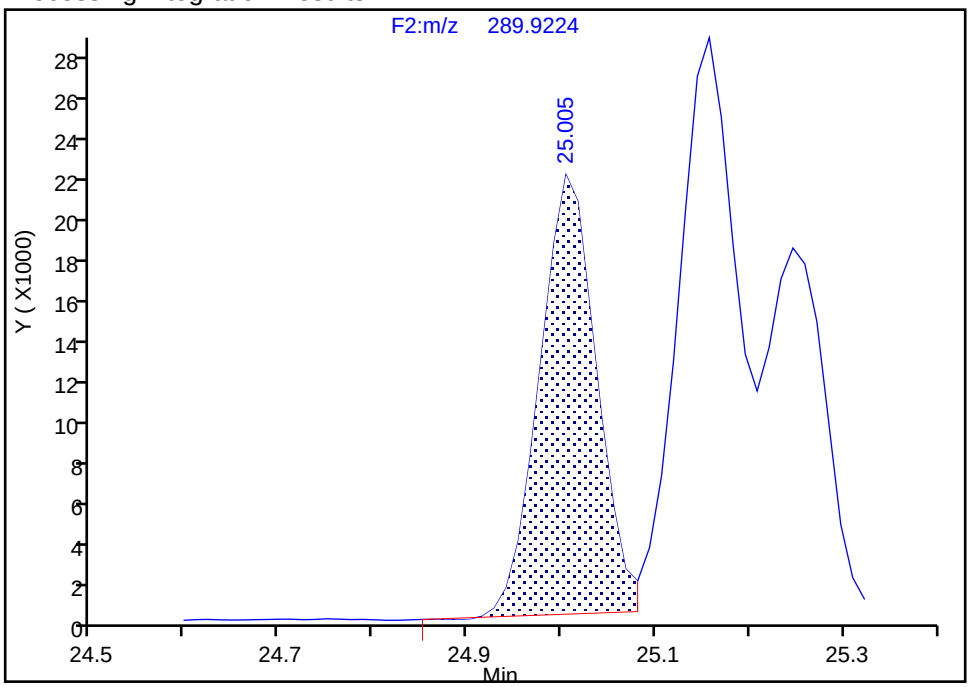
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

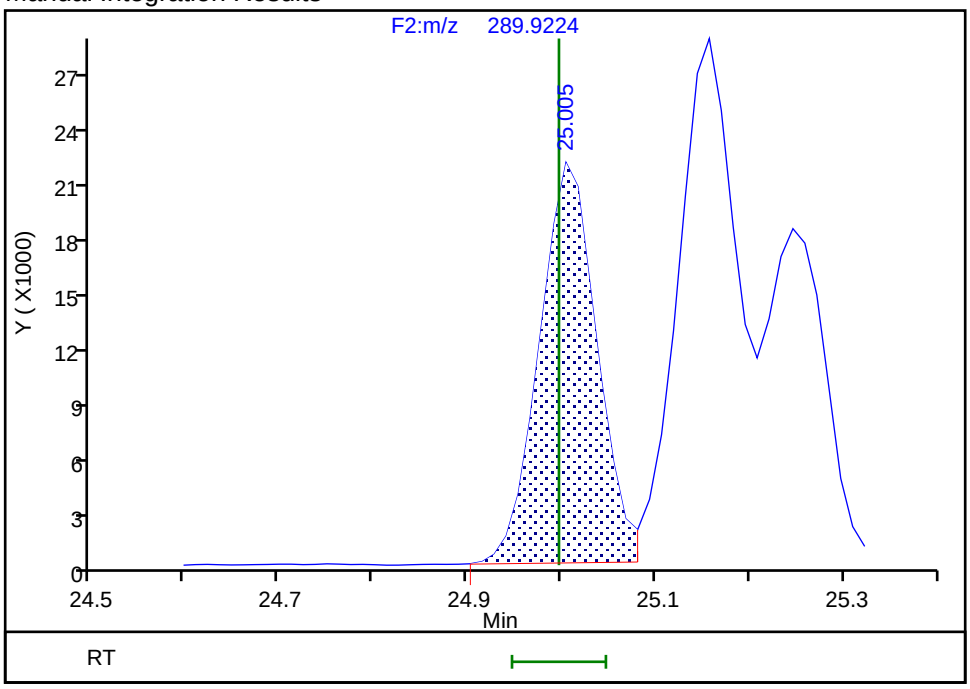
Processing Integration Results

RT: 25.00
Area: 89025
Amount: 5.020092
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 90844
Amount: 5.127604
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:15:50

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

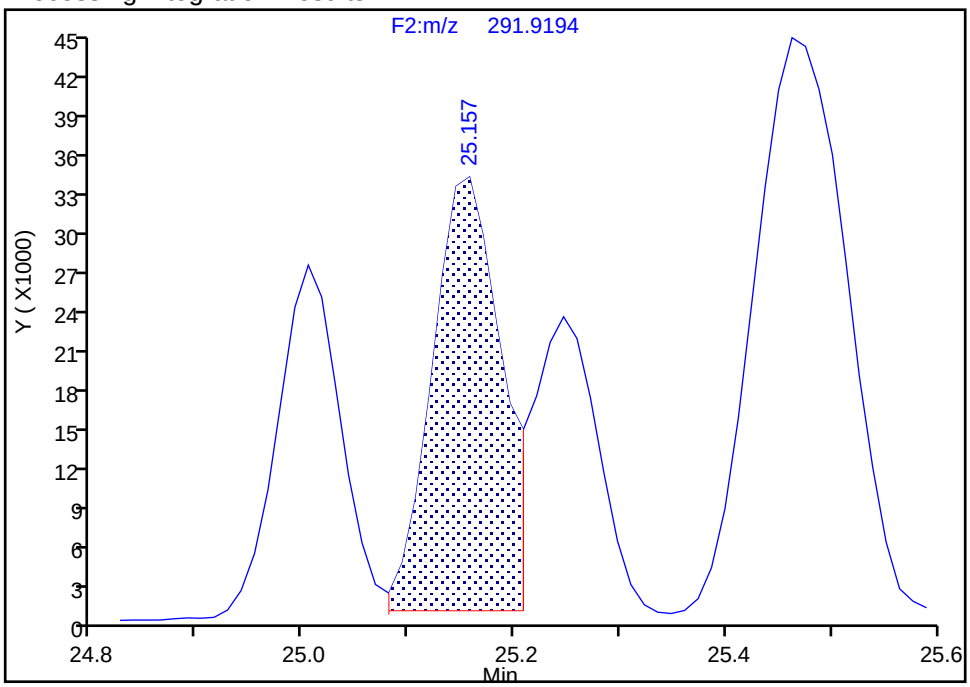
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

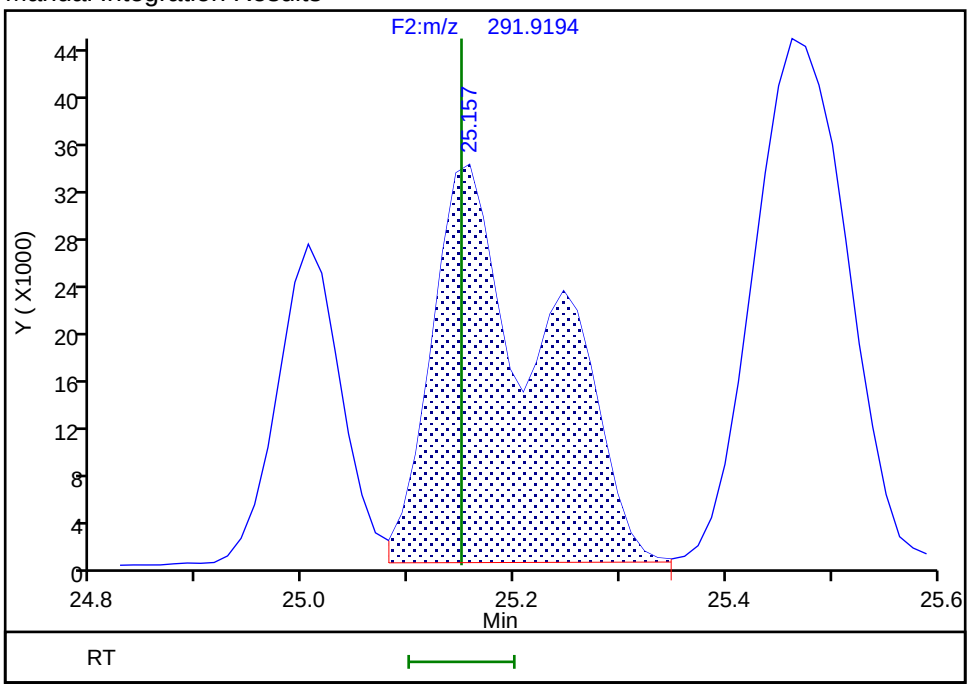
Processing Integration Results

RT: 25.16
Area: 149679
Amount: 7.455320
Amount Units: pg/ul




Manual Integration Results

RT: 25.16
Area: 251278
Amount: 10.072751
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:15:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

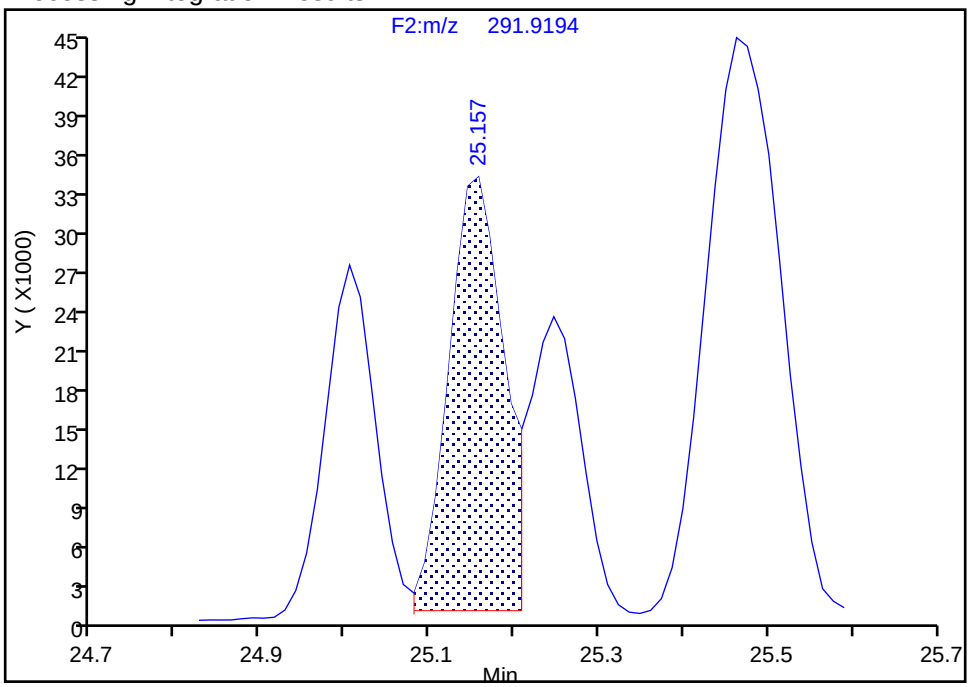
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 3

Processing Integration Results

RT: 25.16
Area: 267565
Amount: 7.455320
Amount Units: pg/ul




Manual Integration Results

RT: 25.16
Area: 446416
Amount: 10.072751
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:15:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

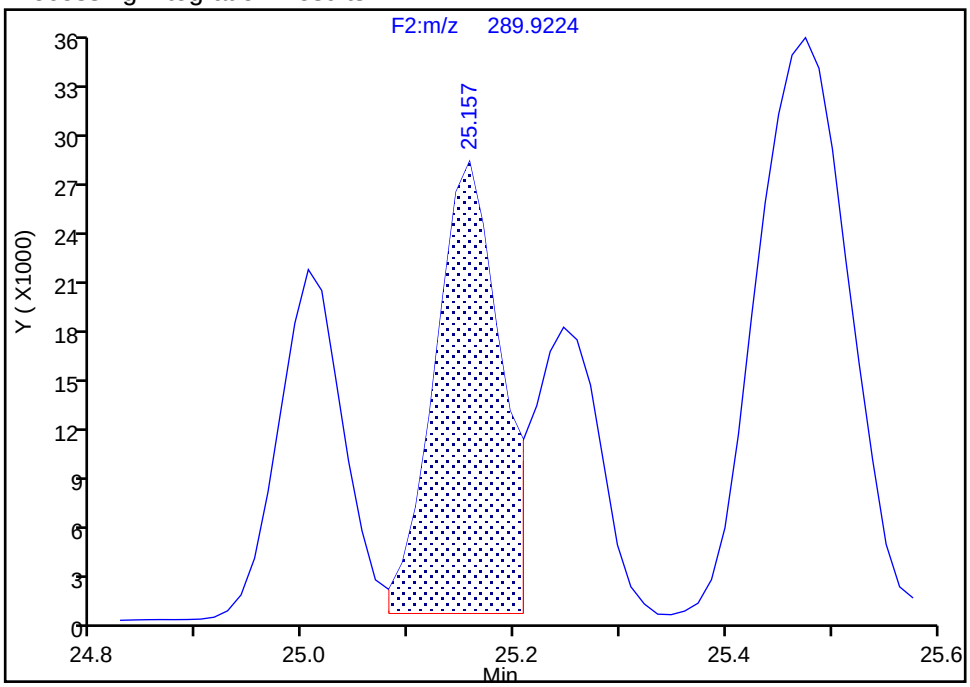
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

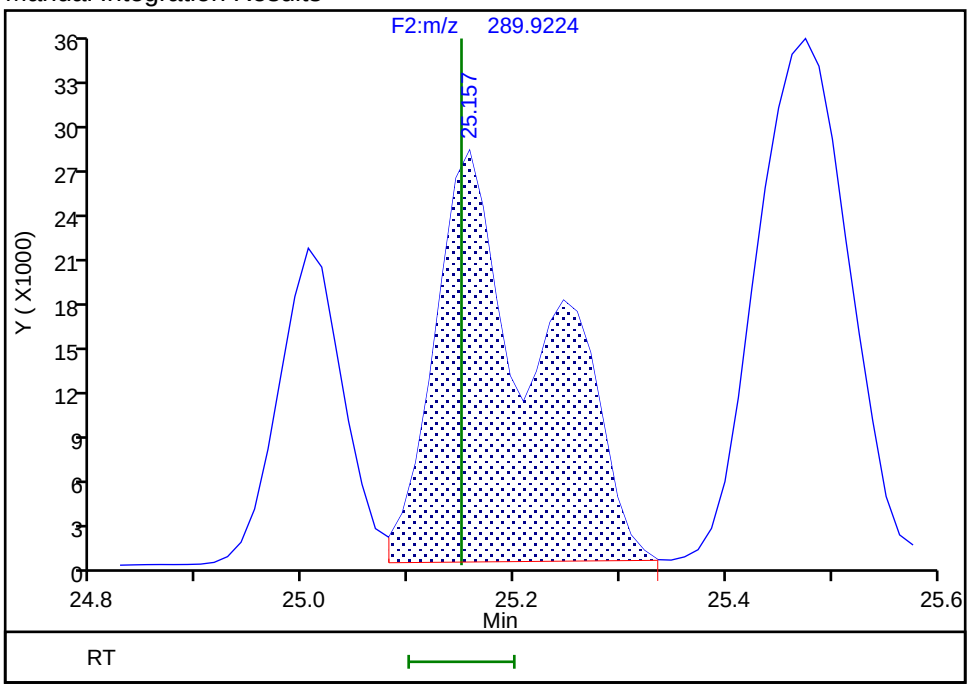
Processing Integration Results

RT: 25.16
Area: 117886
Amount: 7.455320
Amount Units: pg/ul




Manual Integration Results

RT: 25.16
Area: 195138
Amount: 10.072751
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:15:46
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

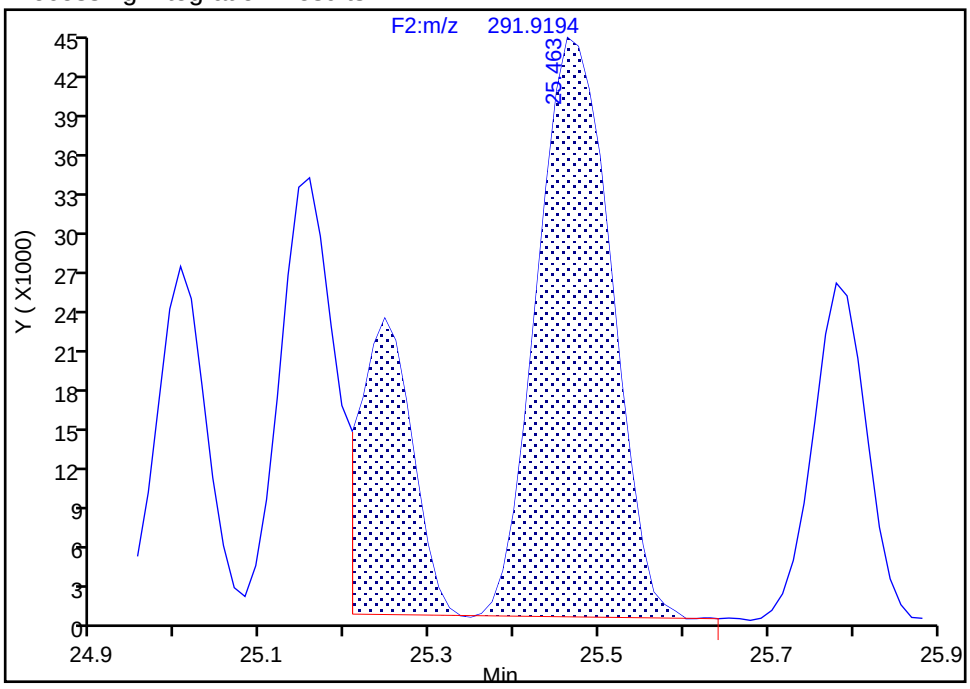
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 2

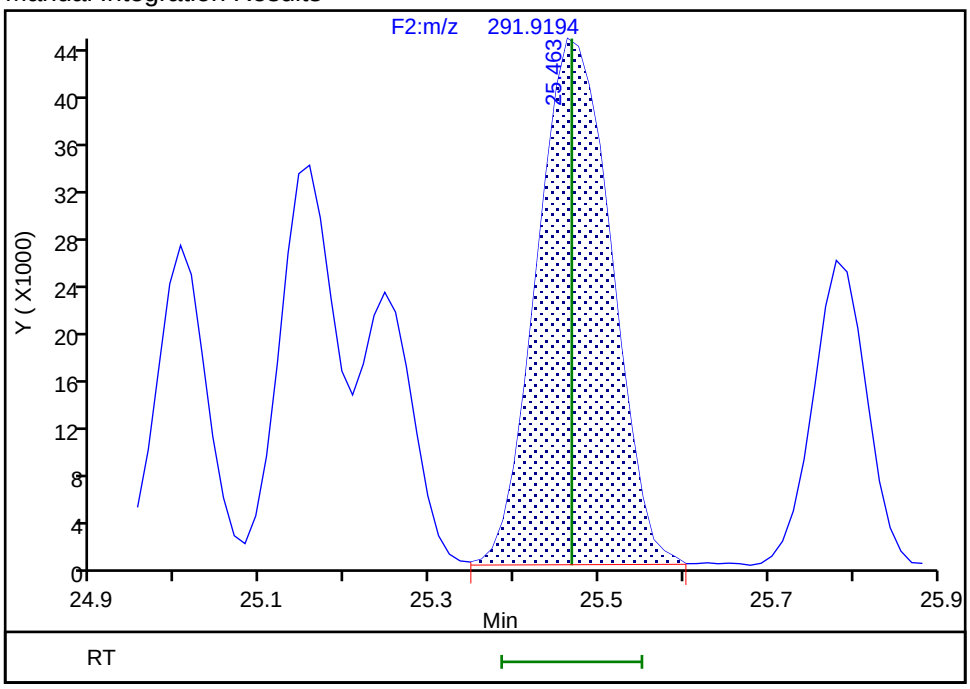
Processing Integration Results

RT: 25.46
Area: 364894
Amount: 11.678993
Amount Units: pg/ul




Manual Integration Results

RT: 25.46
Area: 274121
Amount: 9.684218
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:15:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

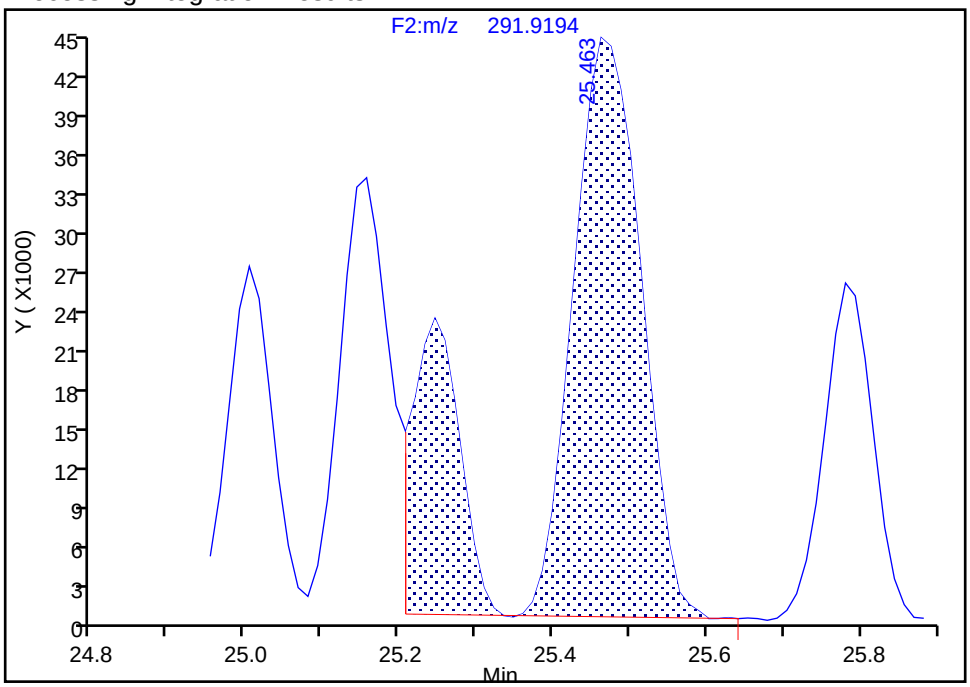
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 3

Processing Integration Results

RT: 25.48
Area: 653312
Amount: 11.678993
Amount Units: pg/ul




Manual Integration Results

RT: 25.48
Area: 488138
Amount: 9.684218
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:15:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

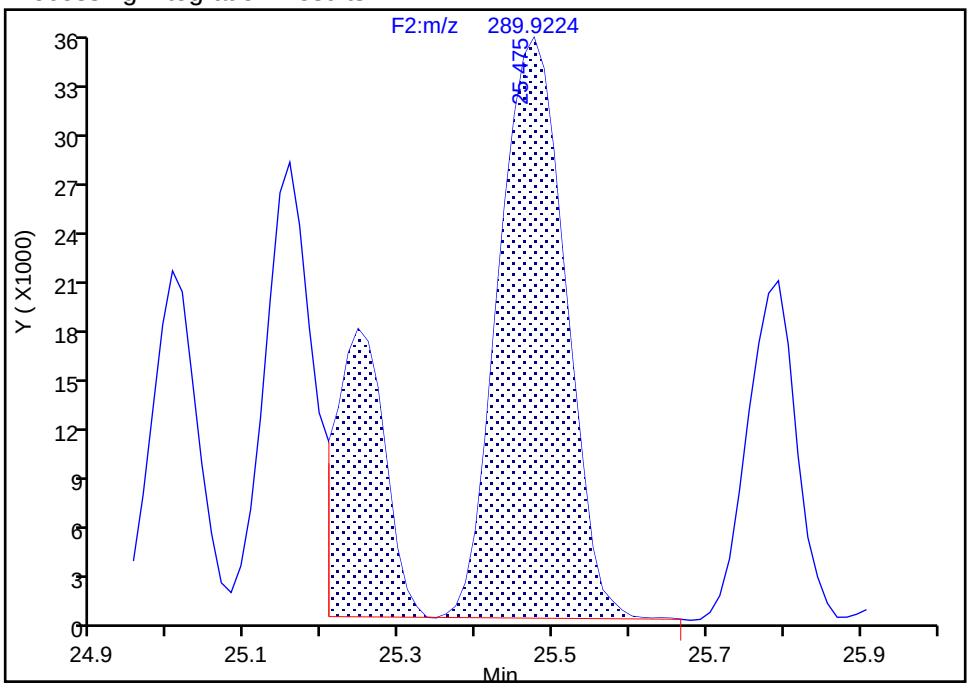
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 1

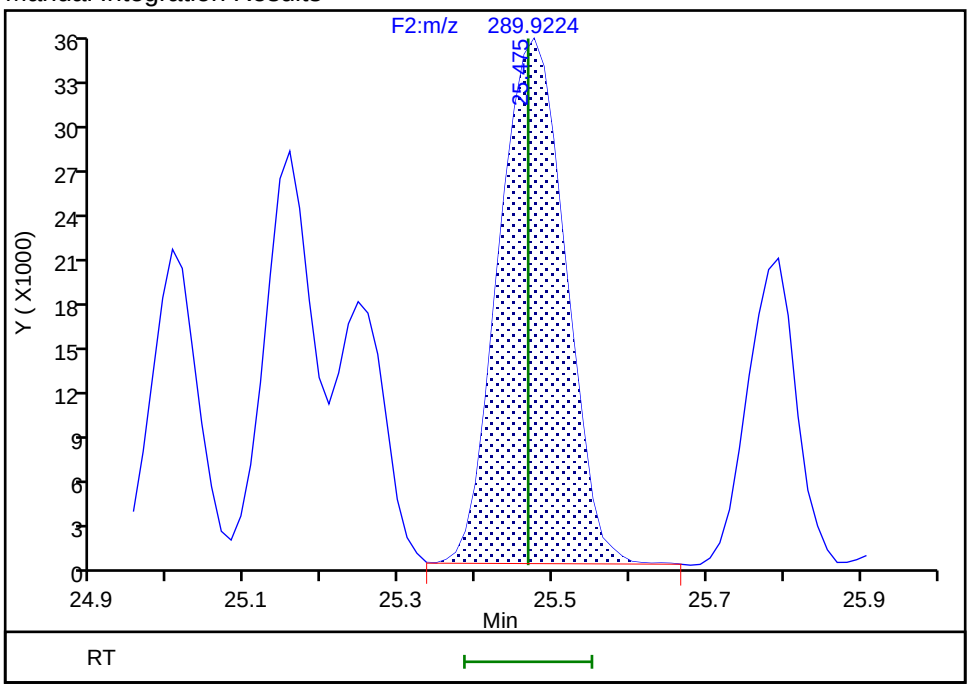
Processing Integration Results

RT: 25.48
Area: 288418
Amount: 11.678993
Amount Units: pg/ul




Manual Integration Results

RT: 25.48
Area: 214017
Amount: 9.684218
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:15:43
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

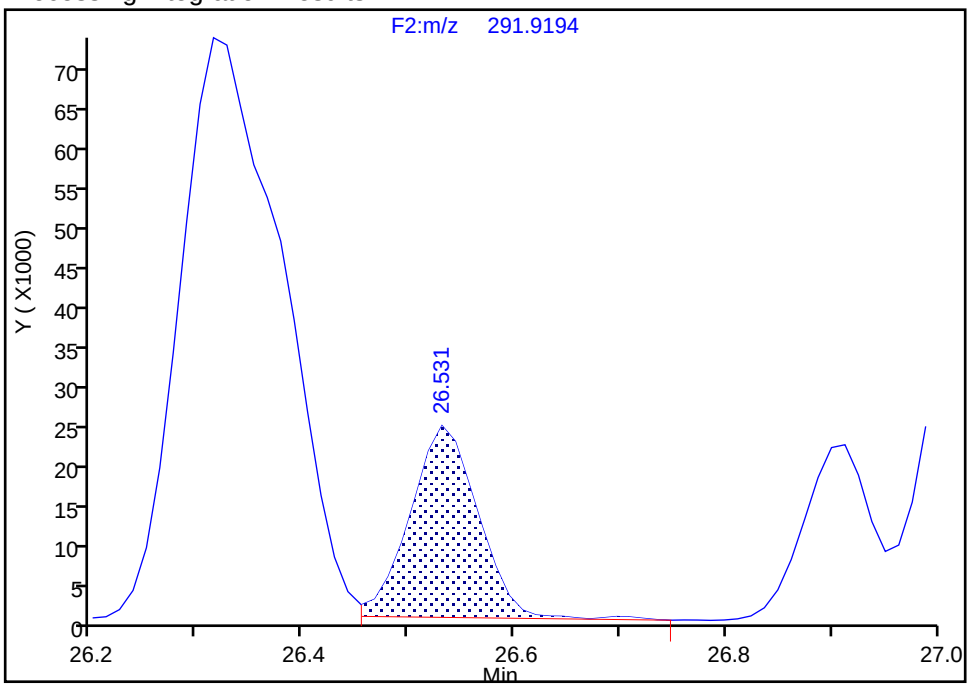
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-42, CAS: 36559-22-5

Signal: 2

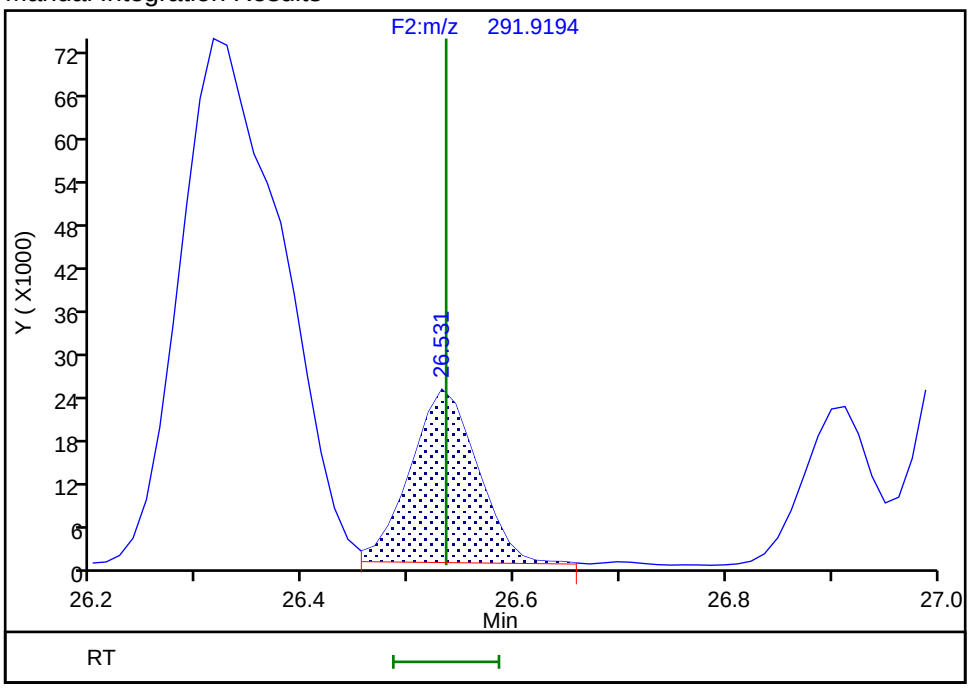
Processing Integration Results

RT: 26.53
Area: 106837
Amount: 4.955520
Amount Units: pg/ul




Manual Integration Results

RT: 26.53
Area: 105916
Amount: 4.924593
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:16:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

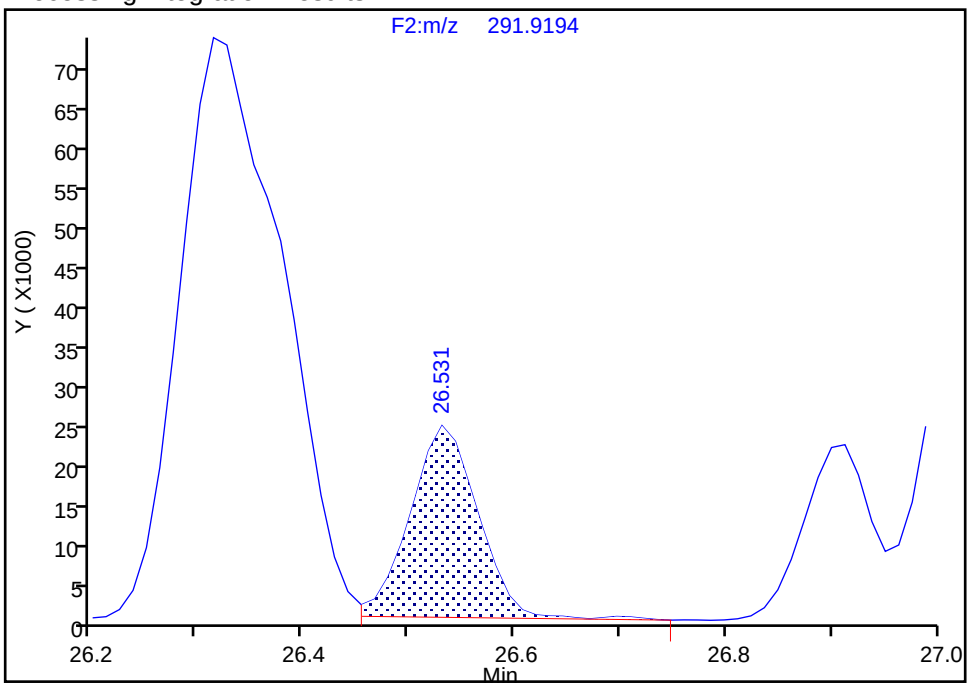
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-42, CAS: 36559-22-5

Signal: 3

Processing Integration Results

RT: 26.53
Area: 190927
Amount: 4.955520
Amount Units: pg/ul




Manual Integration Results

RT: 26.53
Area: 189358
Amount: 4.924593
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:16:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

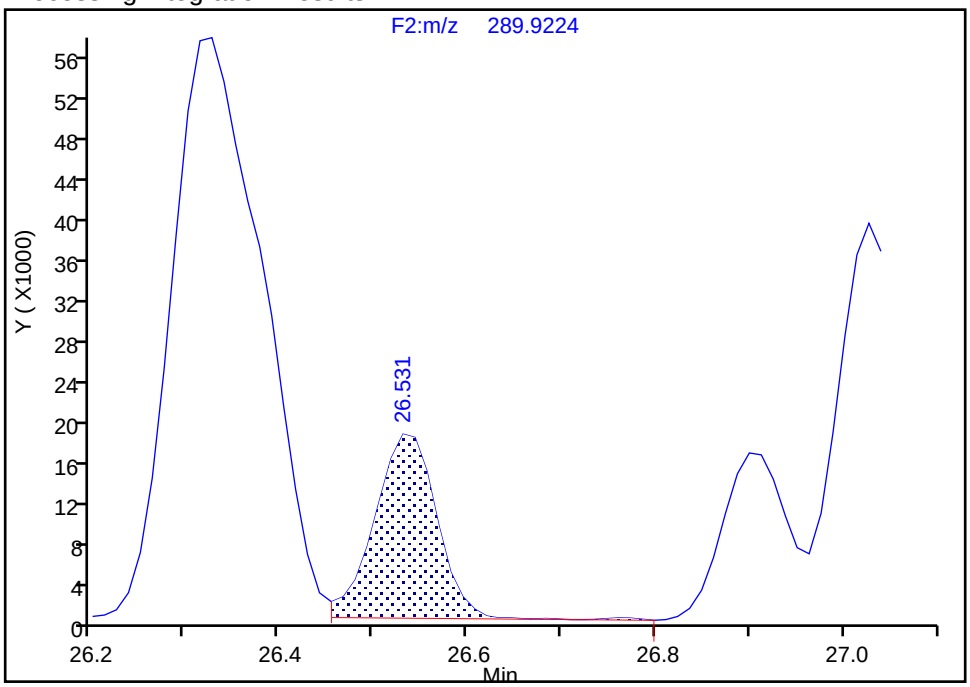
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-42, CAS: 36559-22-5

Signal: 1

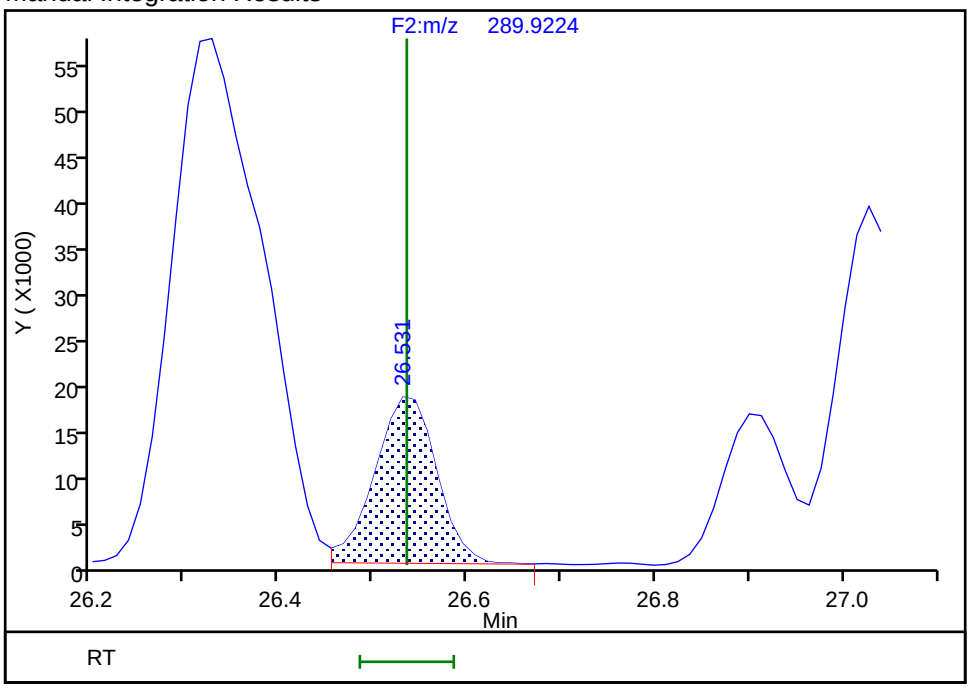
Processing Integration Results

RT: 26.53
Area: 84090
Amount: 4.955520
Amount Units: pg/ul




Manual Integration Results

RT: 26.53
Area: 83442
Amount: 4.924593
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:16:27
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

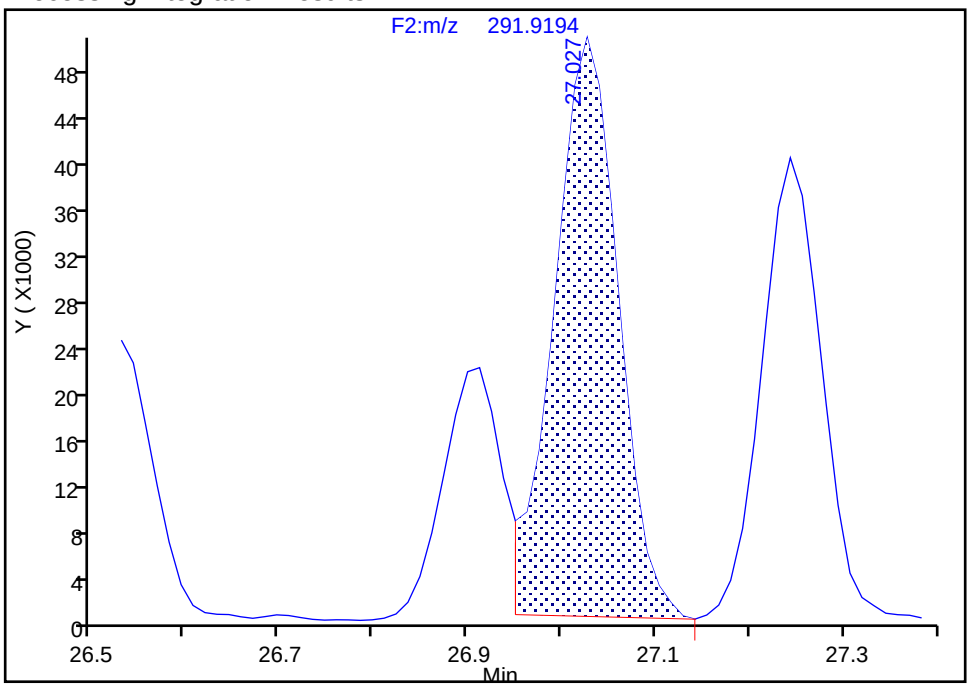
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

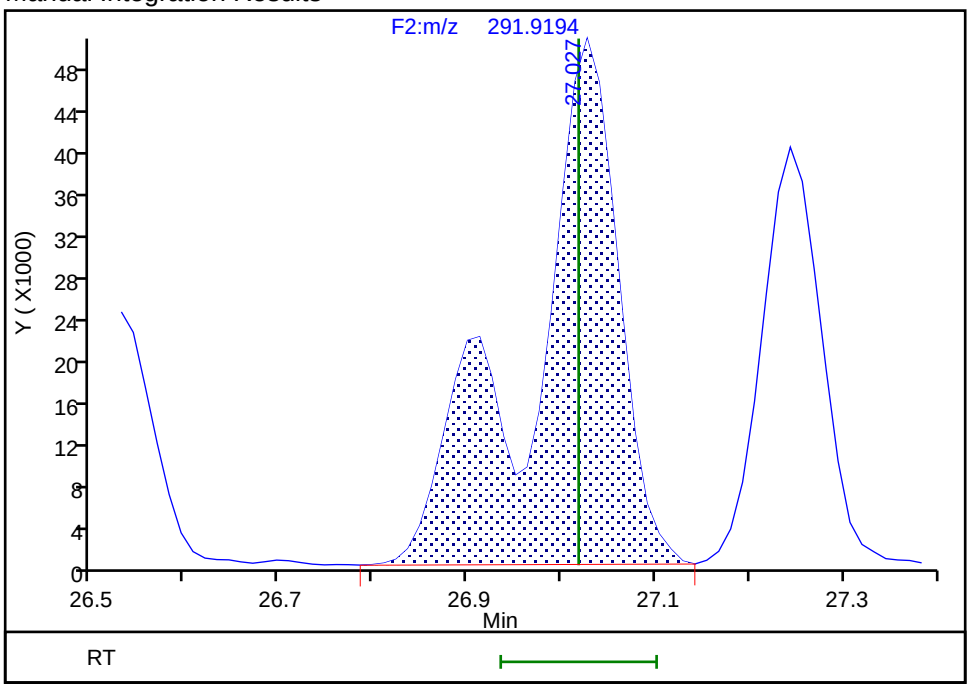
Processing Integration Results

RT: 27.03
Area: 238363
Amount: 11.984630
Amount Units: pg/ul




Manual Integration Results

RT: 27.03
Area: 334653
Amount: 14.703673
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:17:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

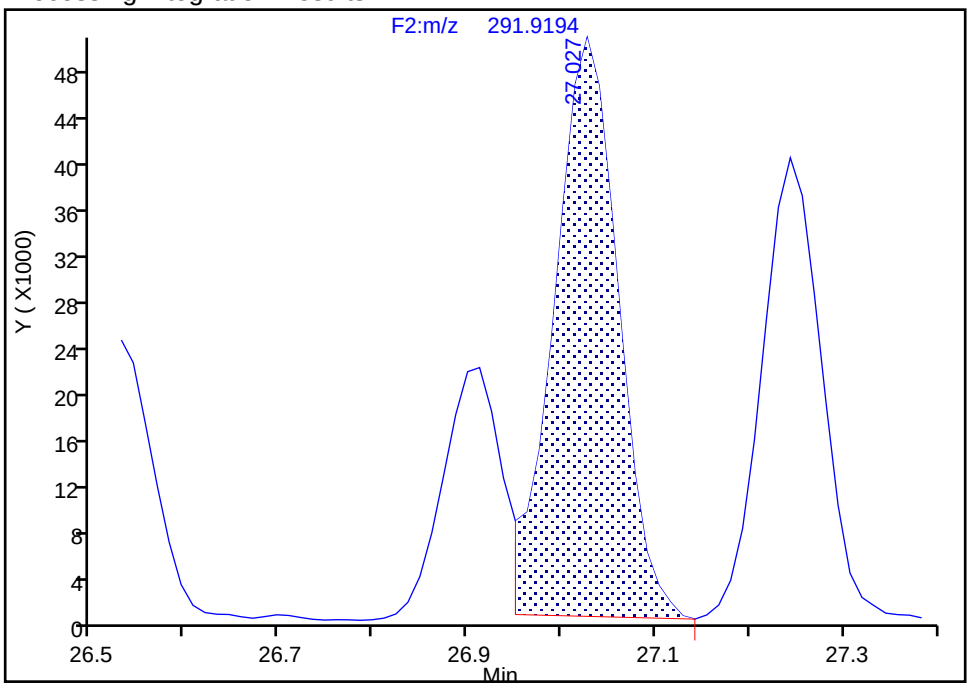
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 27.03
Area: 420377
Amount: 11.984630
Amount Units: pg/ul




Manual Integration Results

RT: 27.03
Area: 598544
Amount: 14.703673
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:17:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

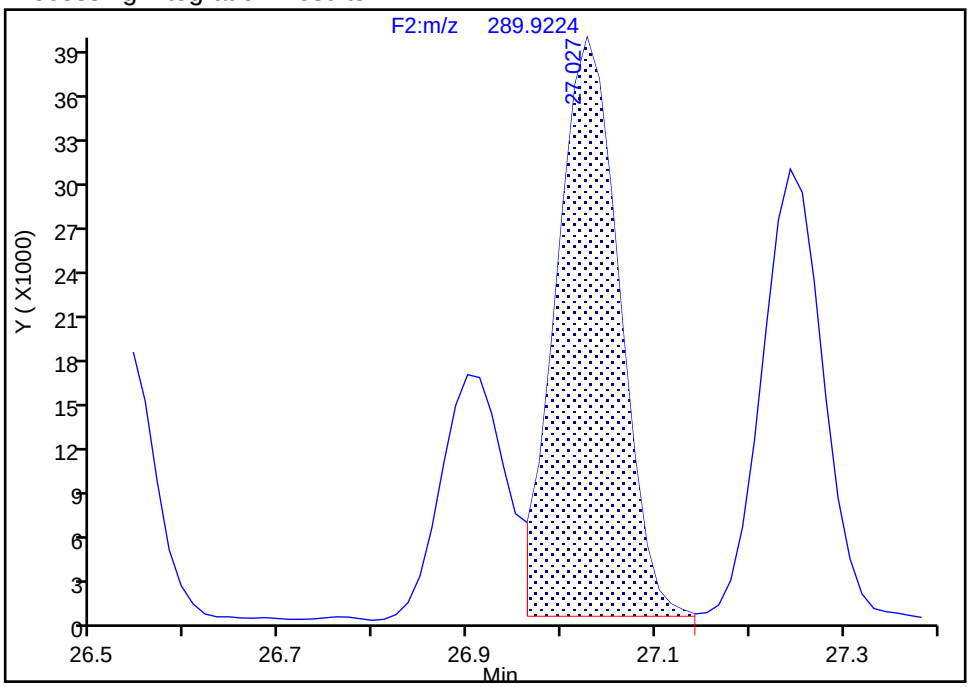
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

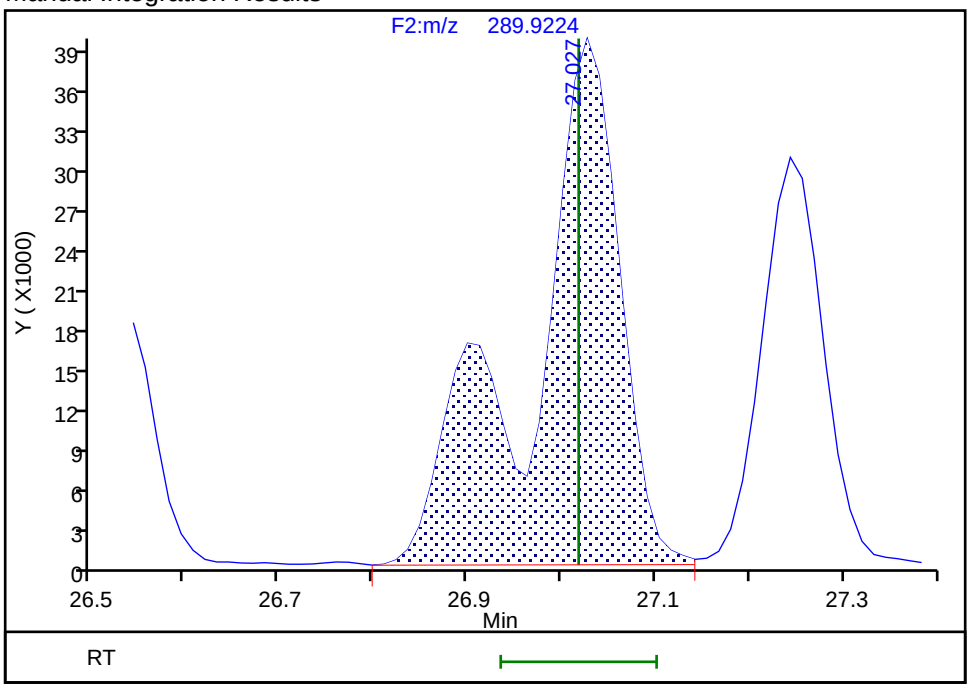
Processing Integration Results

RT: 27.03
Area: 182014
Amount: 11.984630
Amount Units: pg/ul




Manual Integration Results

RT: 27.03
Area: 263891
Amount: 14.703673
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:17:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

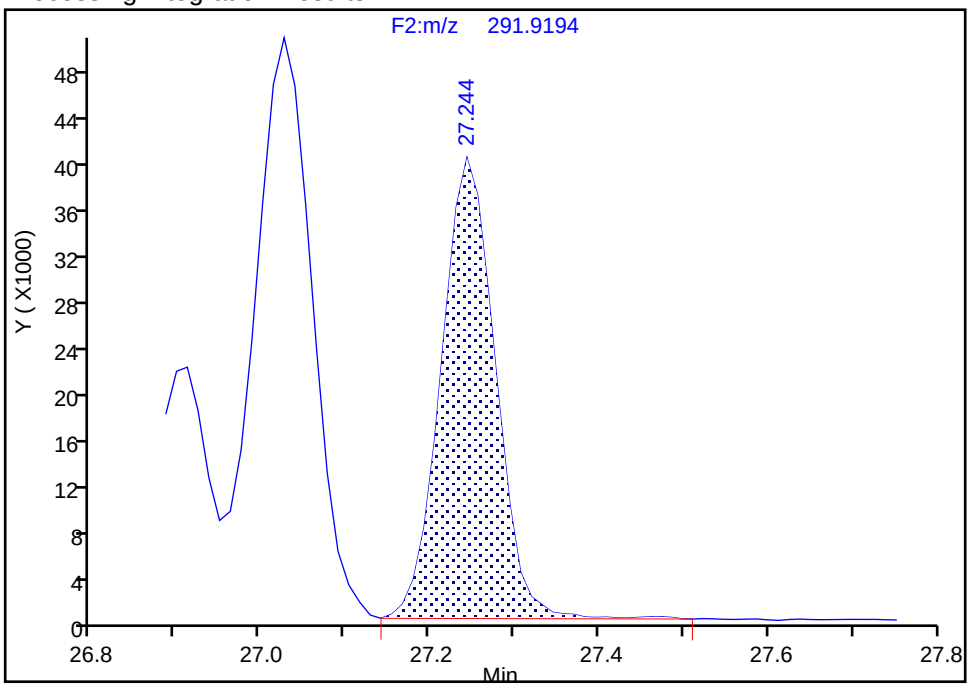
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 2

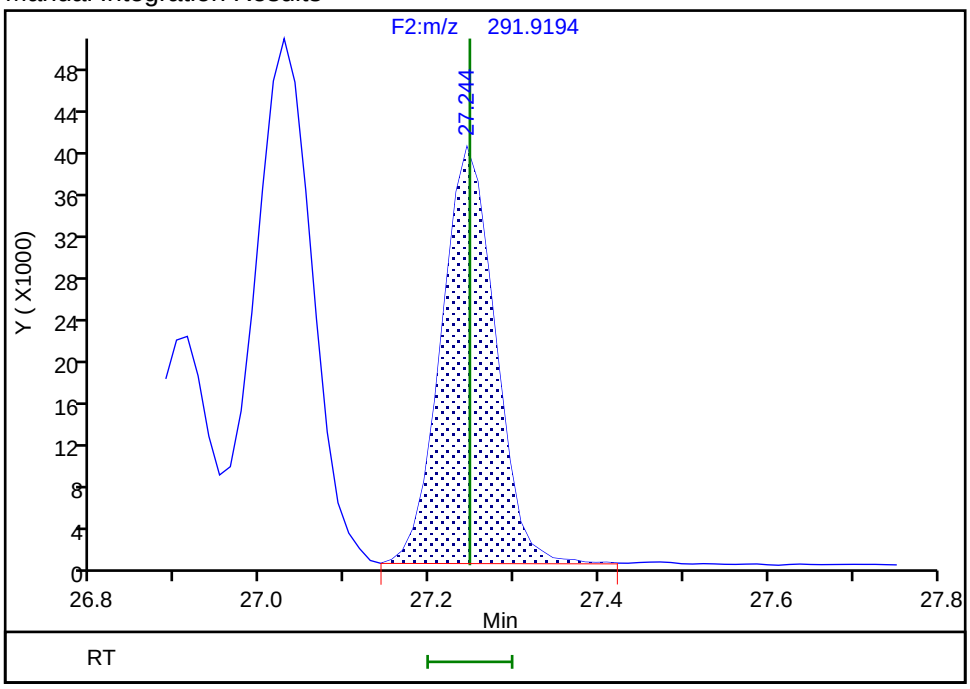
Processing Integration Results

RT: 27.24
Area: 178766
Amount: 5.035977
Amount Units: pg/ul




Manual Integration Results

RT: 27.24
Area: 178174
Amount: 5.054259
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:17:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

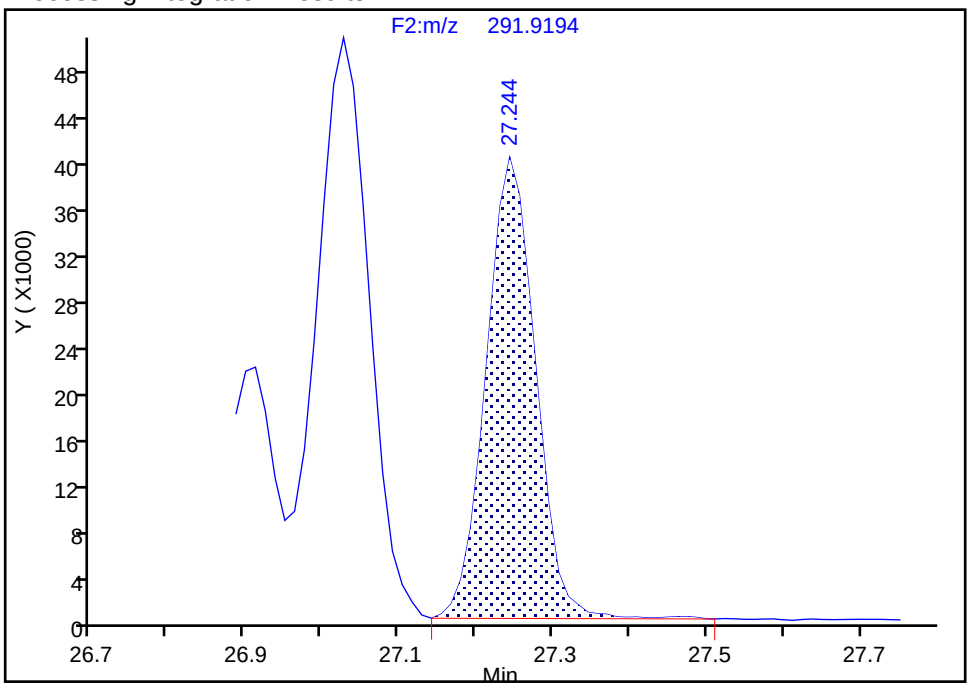
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 3

Processing Integration Results

RT: 27.24
Area: 315931
Amount: 5.035977
Amount Units: pg/ul




Manual Integration Results

RT: 27.24
Area: 317477
Amount: 5.054259
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:17:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

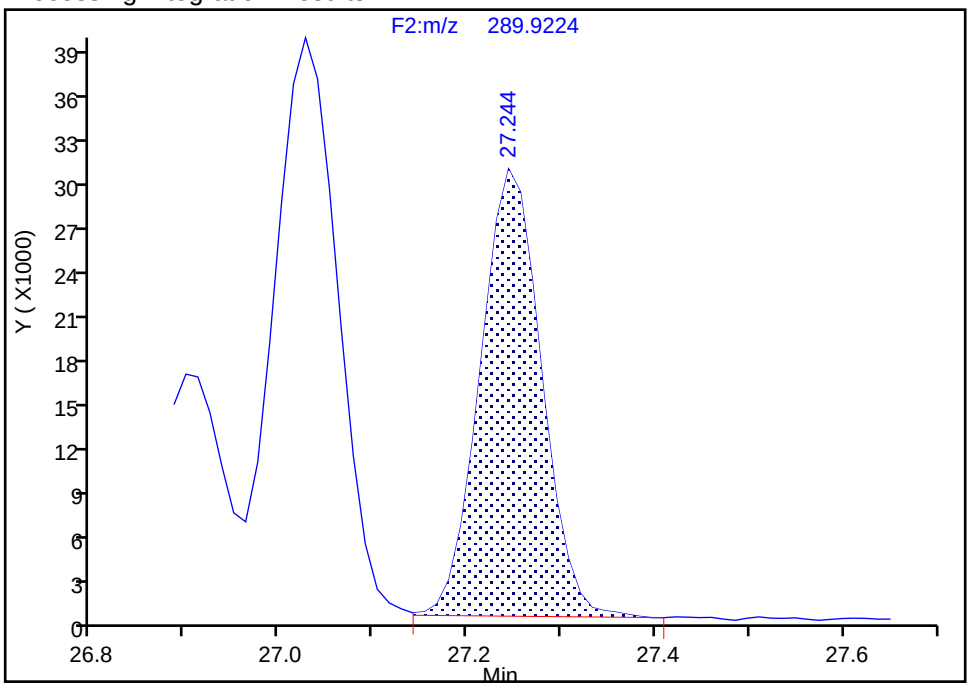
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 1

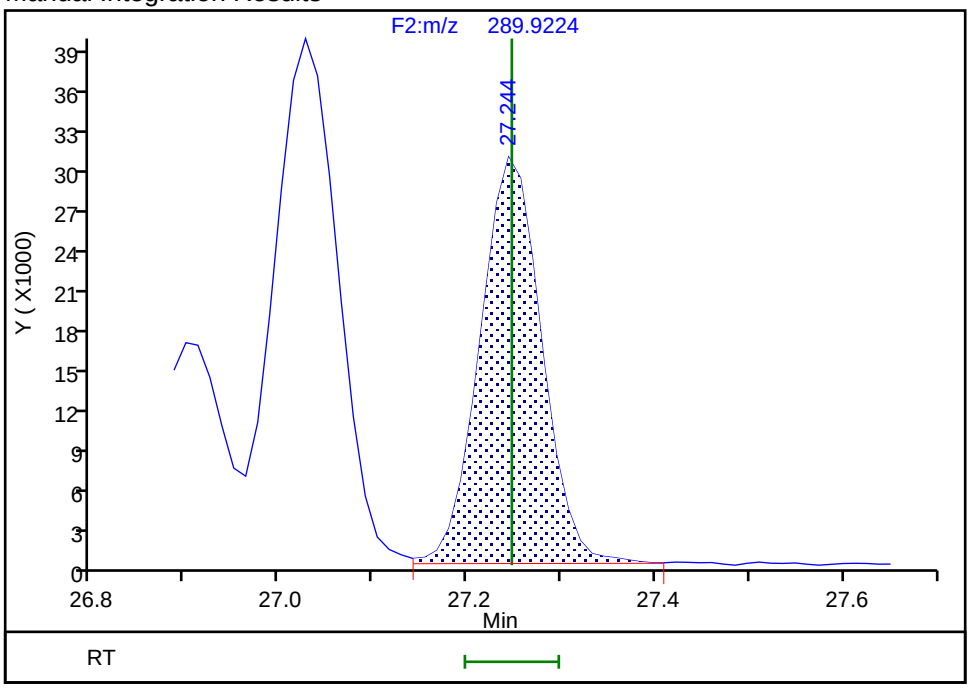
Processing Integration Results

RT: 27.24
Area: 137165
Amount: 5.035977
Amount Units: pg/ul




Manual Integration Results

RT: 27.24
Area: 139303
Amount: 5.054259
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:17:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

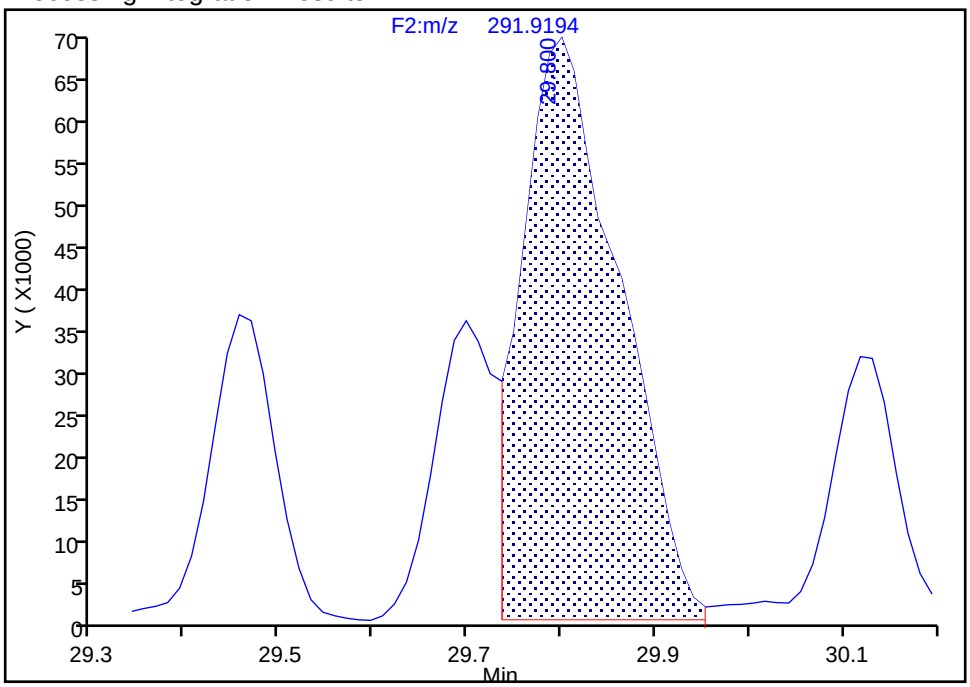
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 2

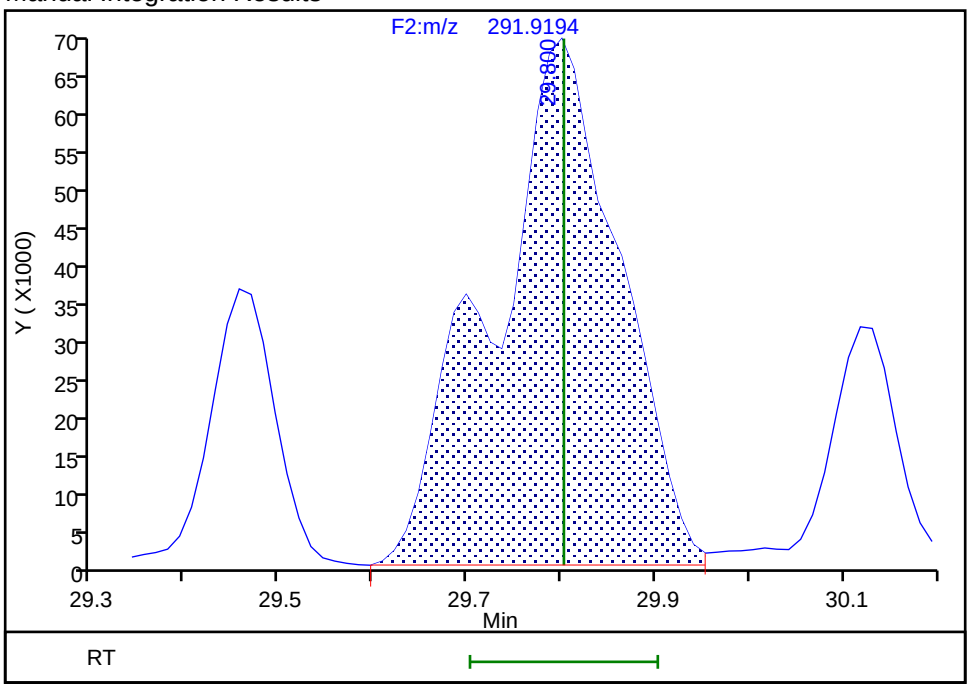
Processing Integration Results

RT: 29.80
Area: 486842
Amount: 16.864577
Amount Units: pg/ul




Manual Integration Results

RT: 29.80
Area: 641721
Amount: 19.000972
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:18:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

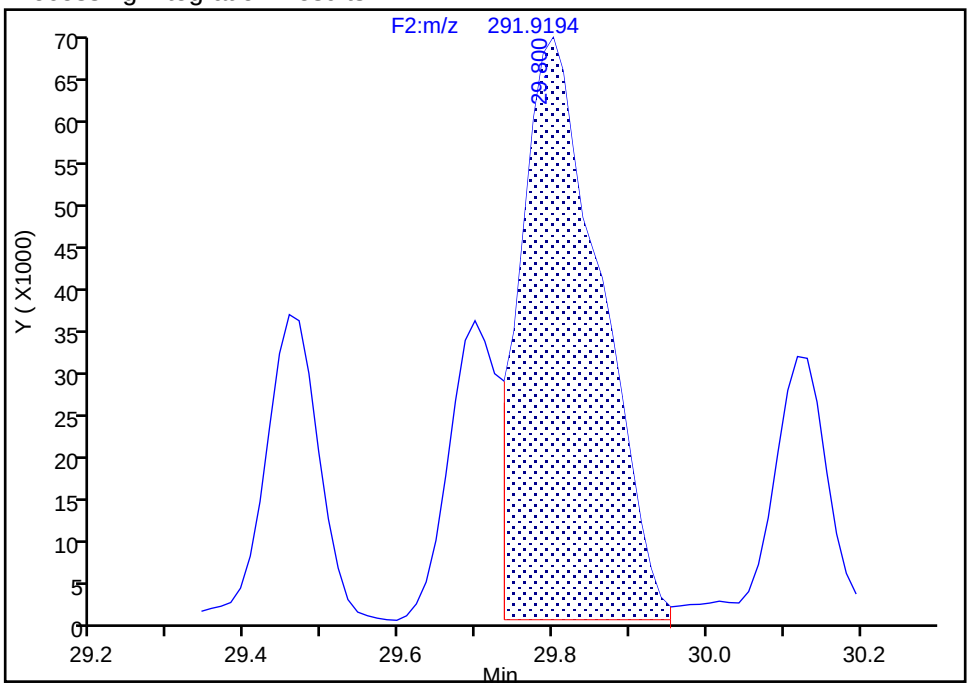
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-61/70/74/76, CAS: STL01808

Signal: 3

Processing Integration Results

RT: 29.80
Area: 988212
Amount: 16.864577
Amount Units: pg/ul




Manual Integration Results

RT: 29.80
Area: 1143091
Amount: 19.000972
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:18:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

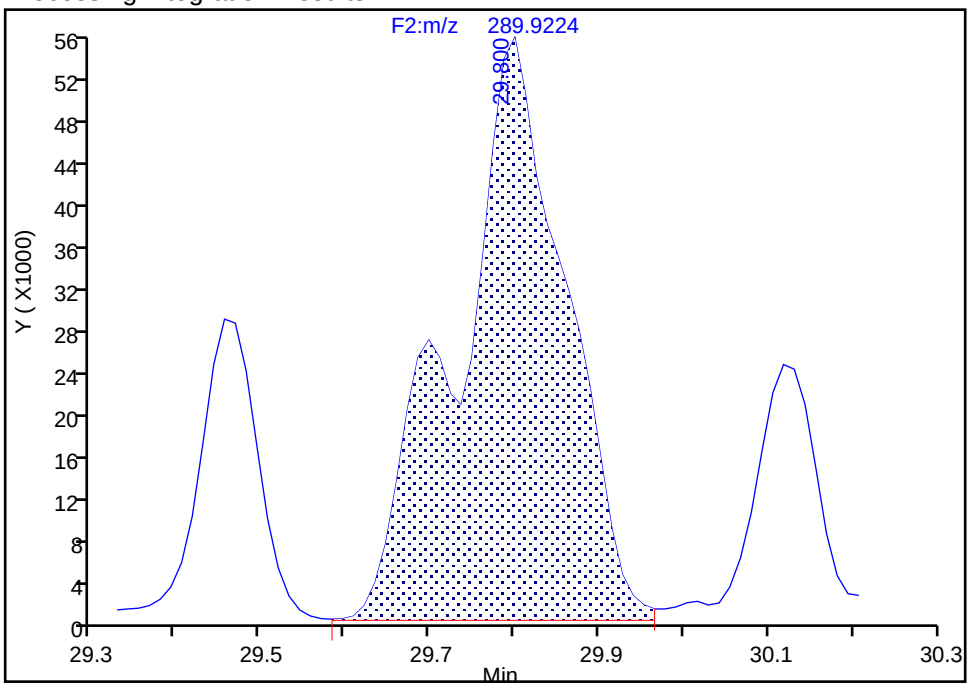
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 1

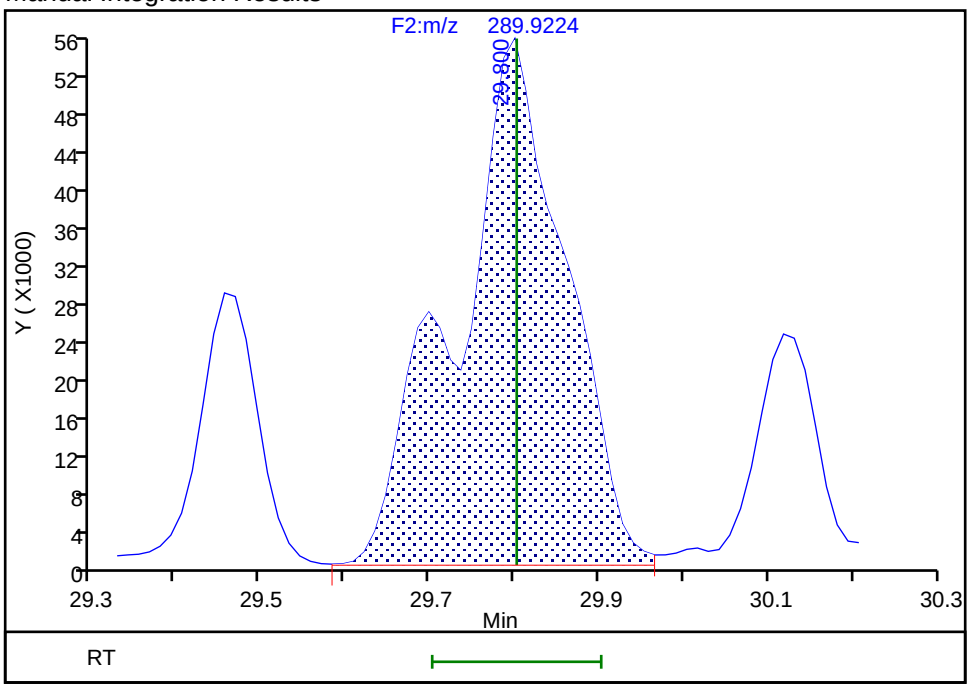
Processing Integration Results

RT: 29.80
Area: 501370
Amount: 16.864577
Amount Units: pg/ul




Manual Integration Results

RT: 29.80
Area: 501370
Amount: 19.000972
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:18:55

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

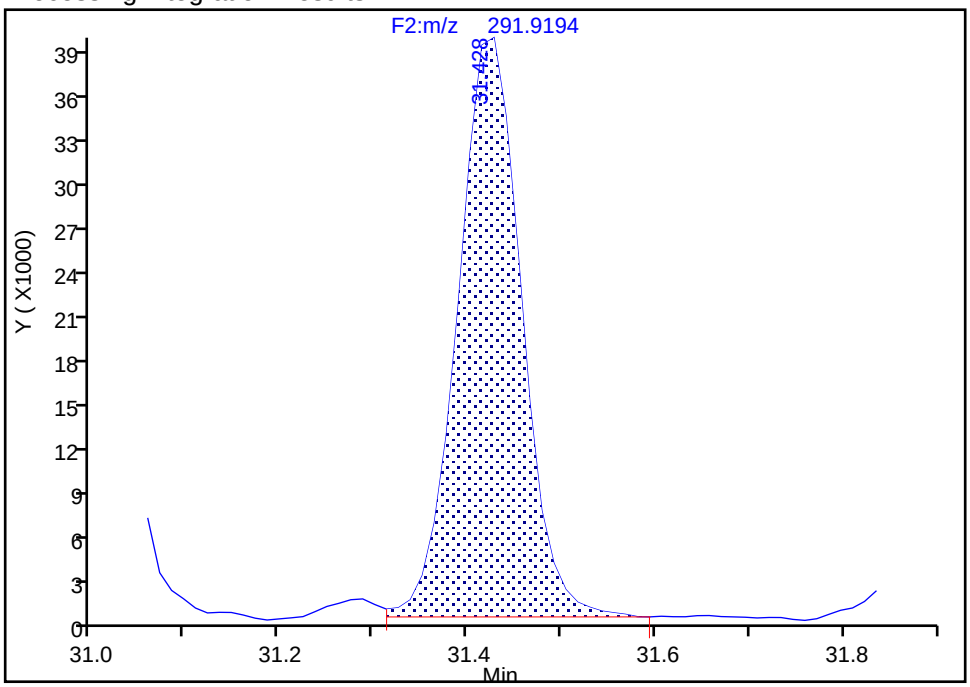
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-80, CAS: 33284-52-5

Signal: 2

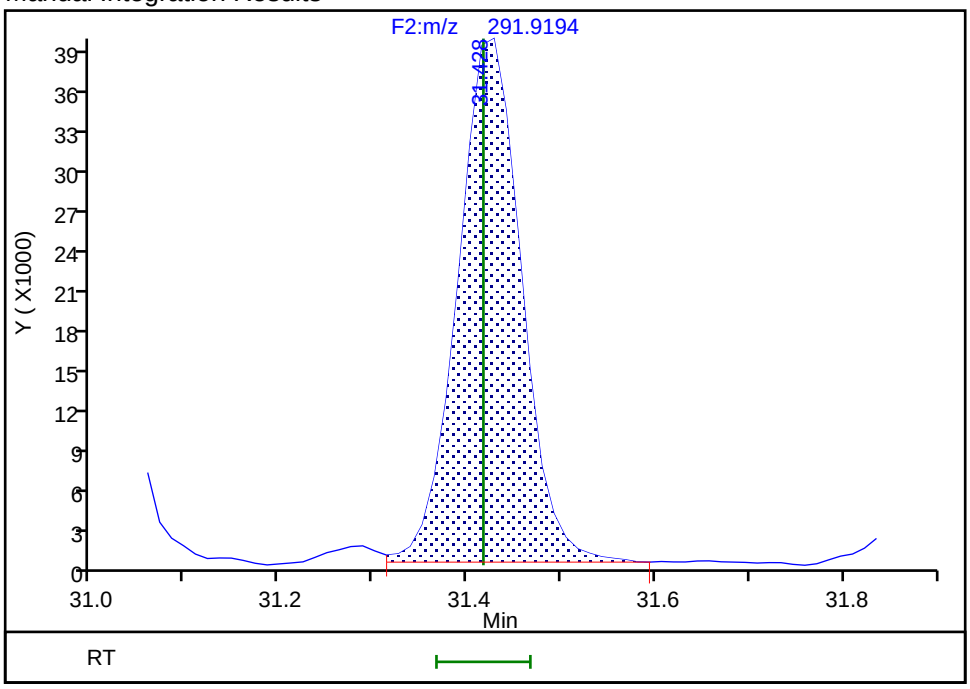
Processing Integration Results

RT: 31.43
Area: 180375
Amount: 5.046654
Amount Units: pg/ul




Manual Integration Results

RT: 31.43
Area: 180375
Amount: 4.999084
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:19:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

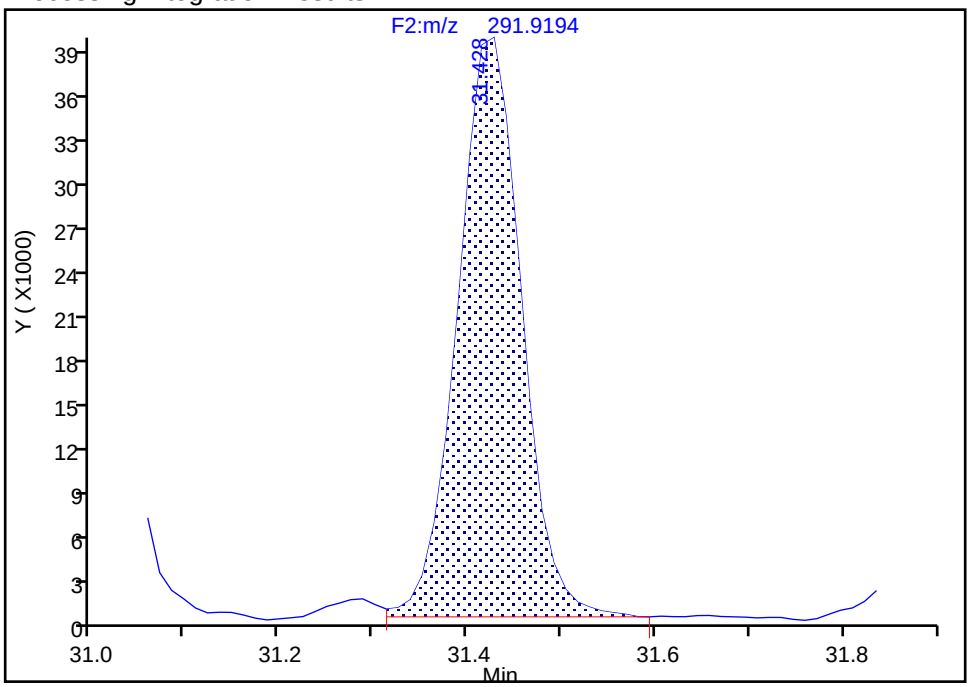
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-80, CAS: 33284-52-5

Signal: 3

Processing Integration Results

RT: 31.43
Area: 331144
Amount: 5.046654
Amount Units: pg/ul




Manual Integration Results

RT: 31.43
Area: 325763
Amount: 4.999084
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:19:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

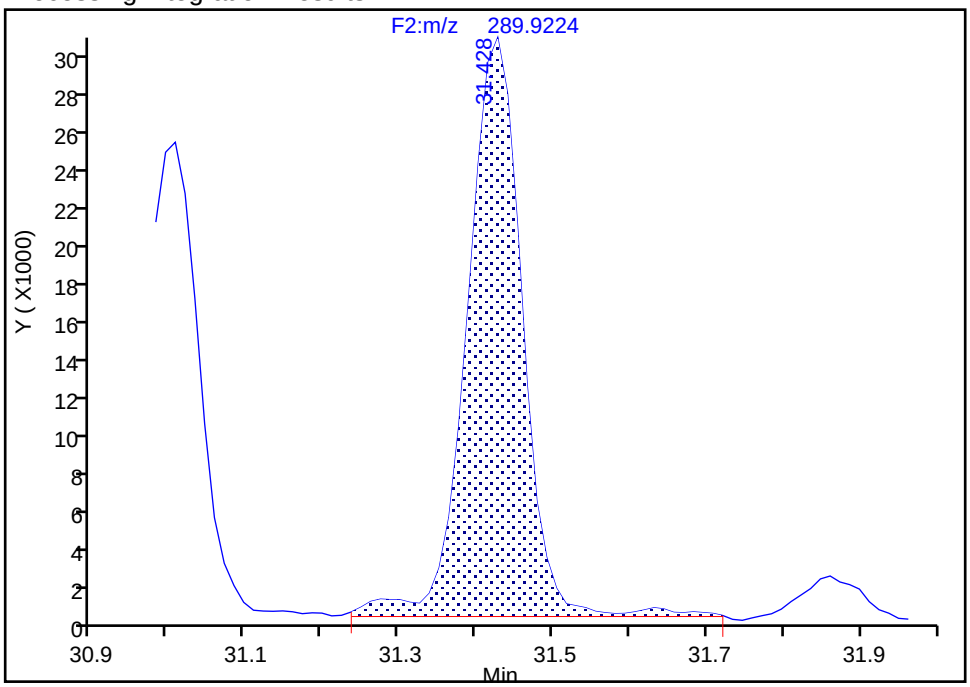
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-80, CAS: 33284-52-5

Signal: 1

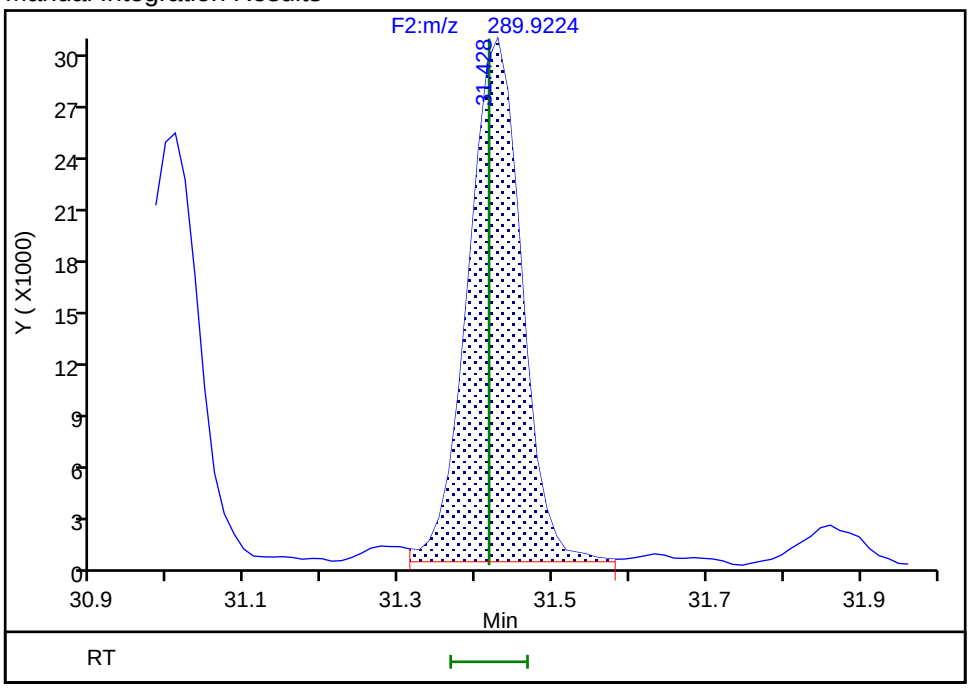
Processing Integration Results

RT: 31.43
Area: 150769
Amount: 5.046654
Amount Units: pg/ul




Manual Integration Results

RT: 31.43
Area: 145388
Amount: 4.999084
Amount Units: pg/ul



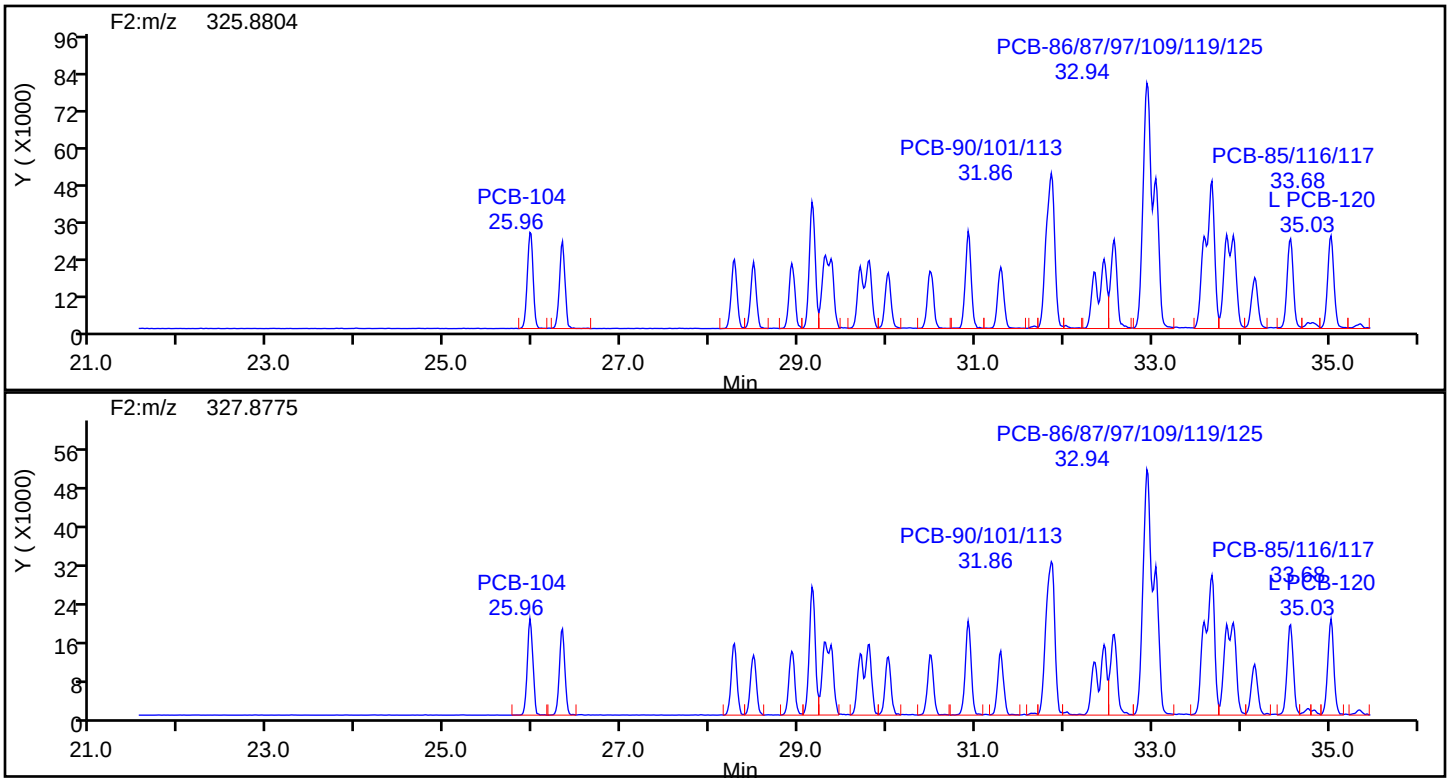

Reviewer: mcwhirterl, 21-Aug-2019 20:19:20

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

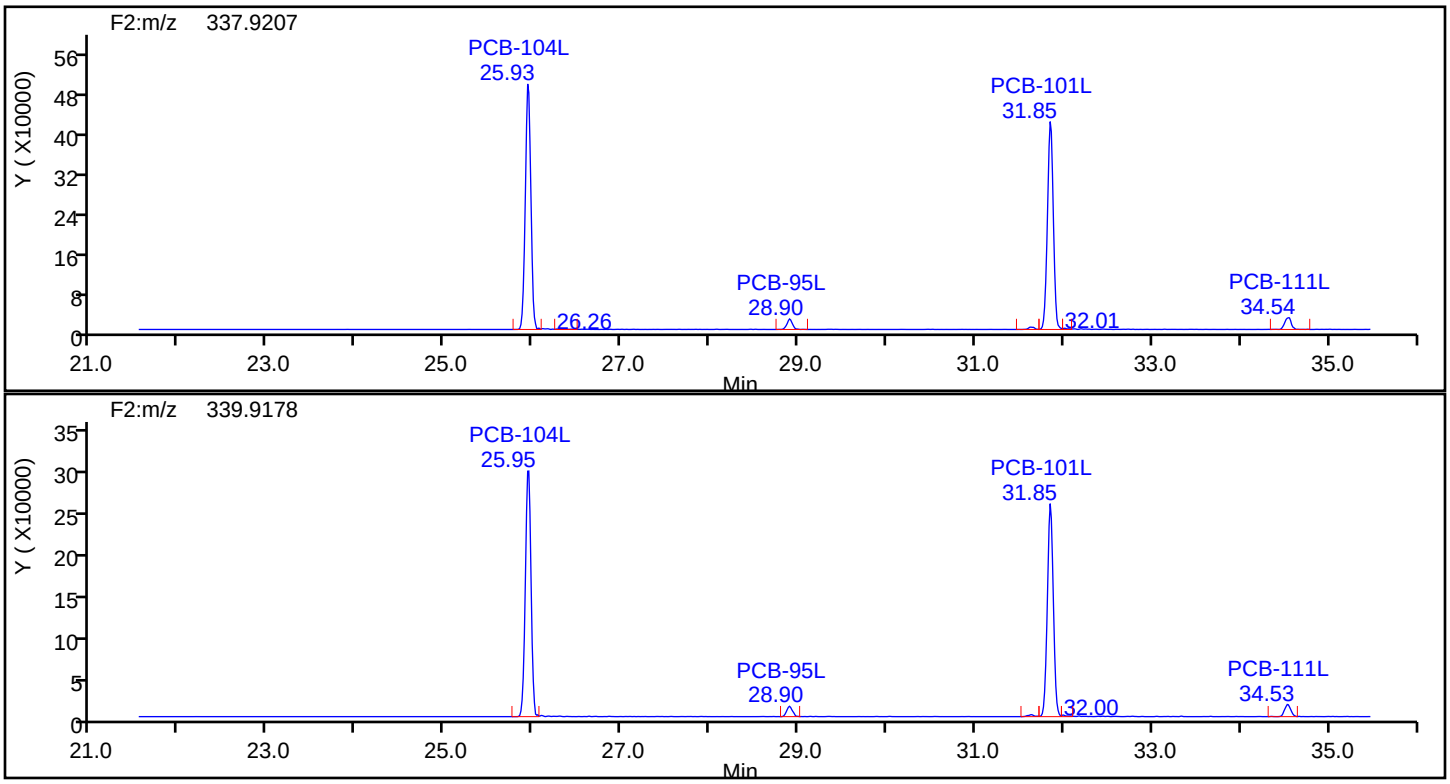
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



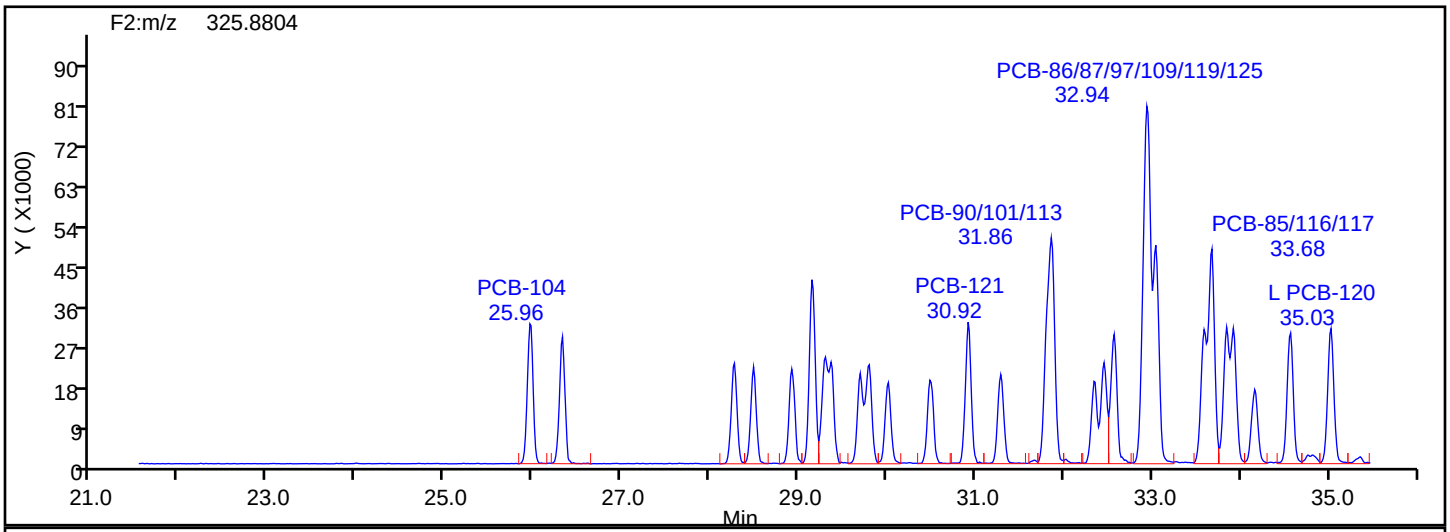

PePCB F2 Standards

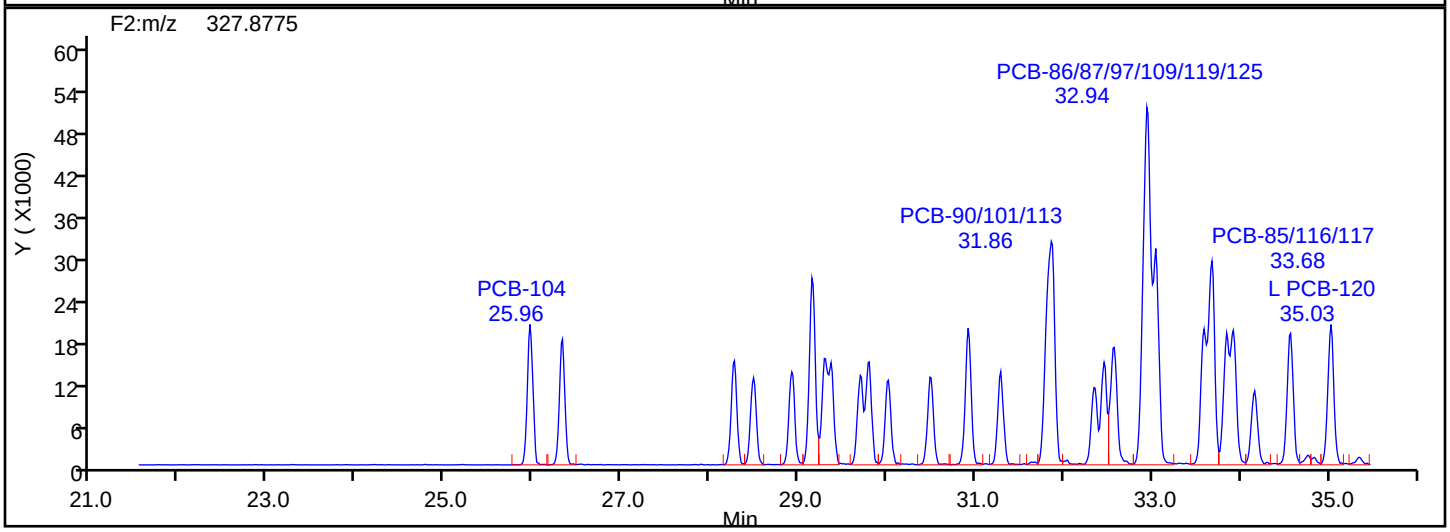


Eurofins TestAmerica, Knoxville

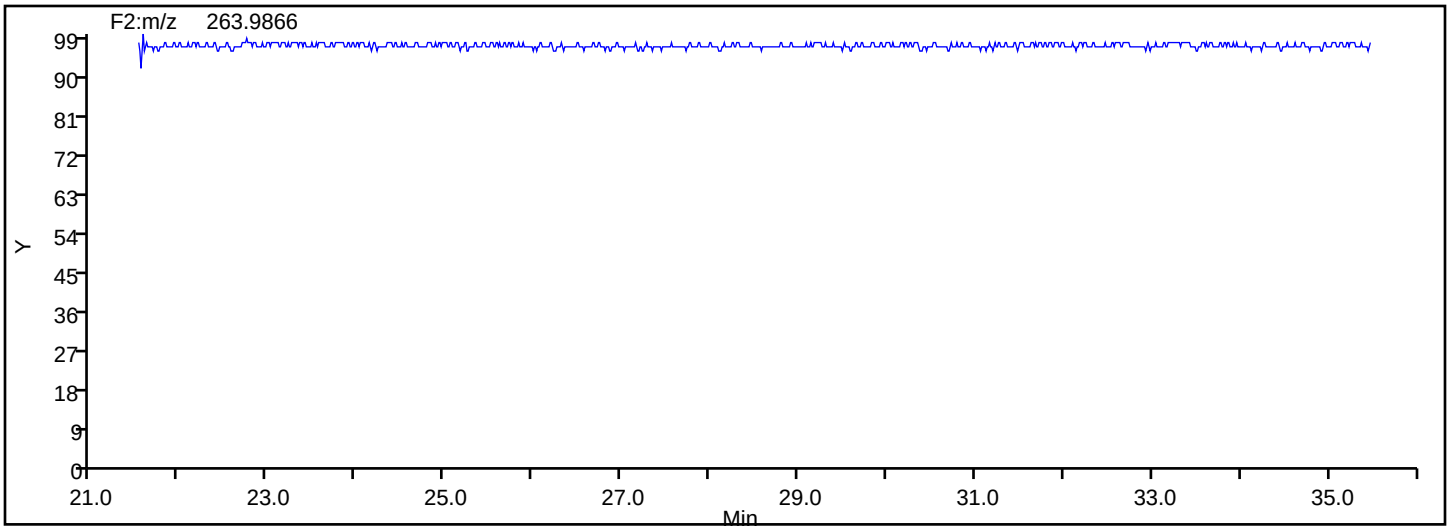
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

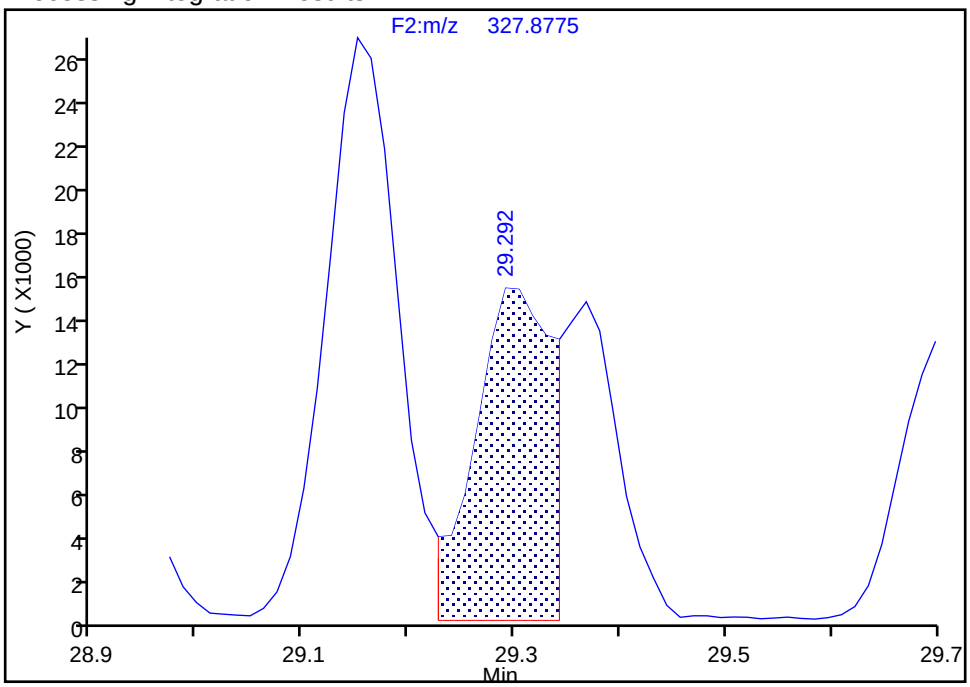
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

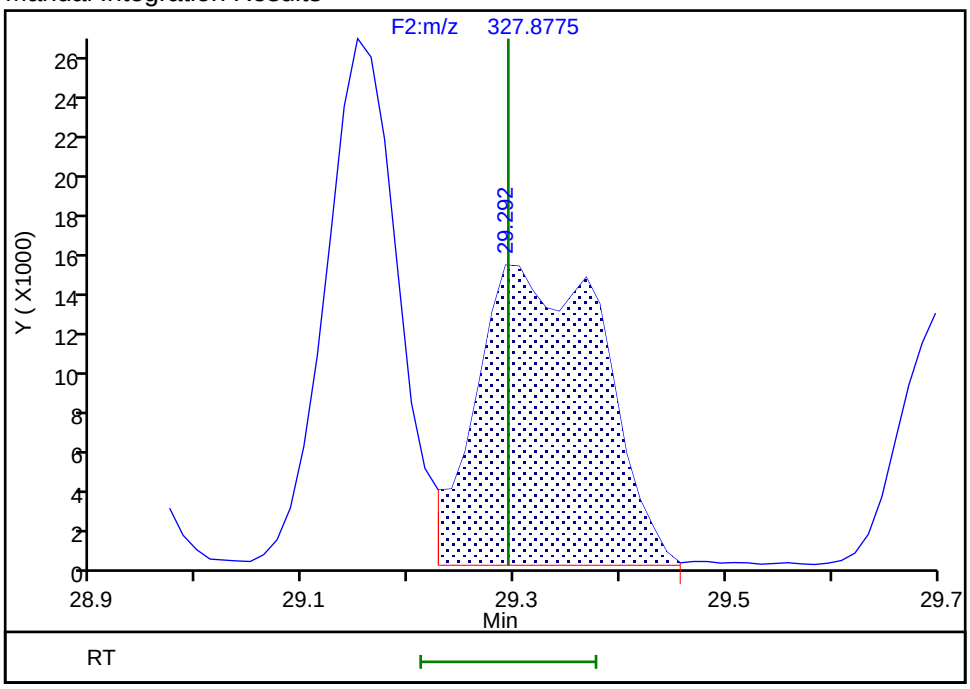
Processing Integration Results

RT: 29.29
Area: 74596
Amount: 7.093790
Amount Units: pg/ul




Manual Integration Results

RT: 29.29
Area: 127320
Amount: 9.579274
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:20:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

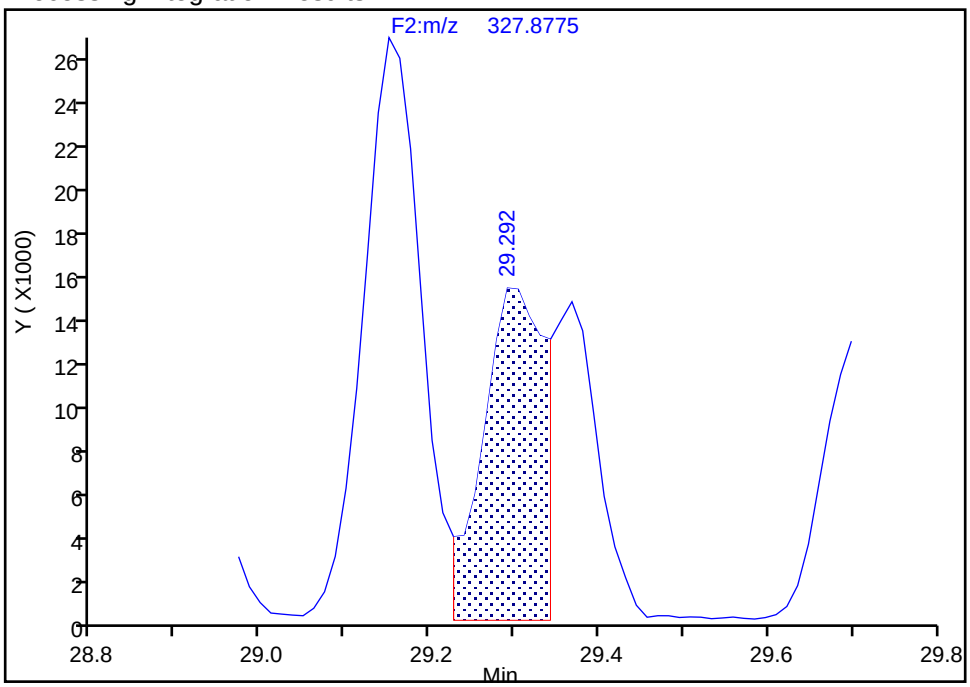
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 3

Processing Integration Results

RT: 29.30
Area: 192980
Amount: 7.093790
Amount Units: pg/ul




Manual Integration Results

RT: 29.30
Area: 331906
Amount: 9.579274
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:20:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

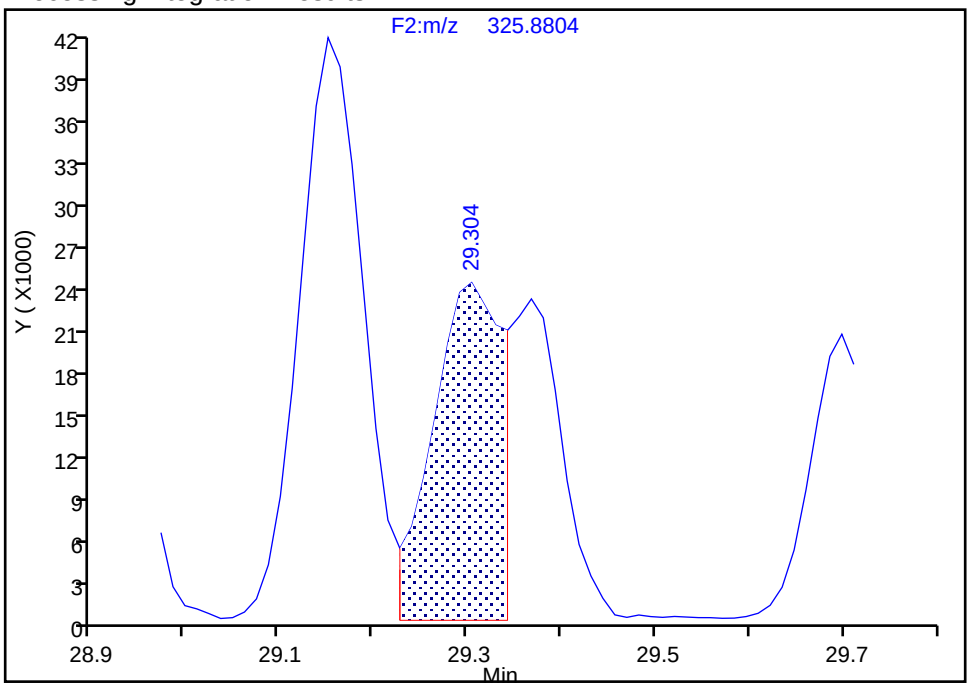
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 1

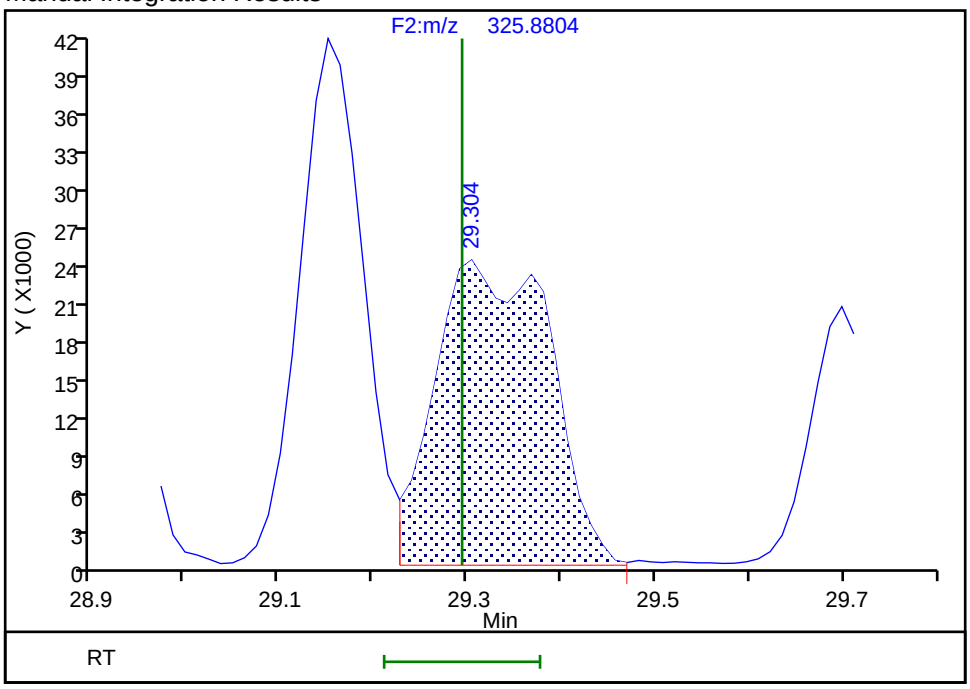
Processing Integration Results

RT: 29.30
Area: 118384
Amount: 7.093790
Amount Units: pg/ul




Manual Integration Results

RT: 29.30
Area: 204586
Amount: 9.579274
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:20:27

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

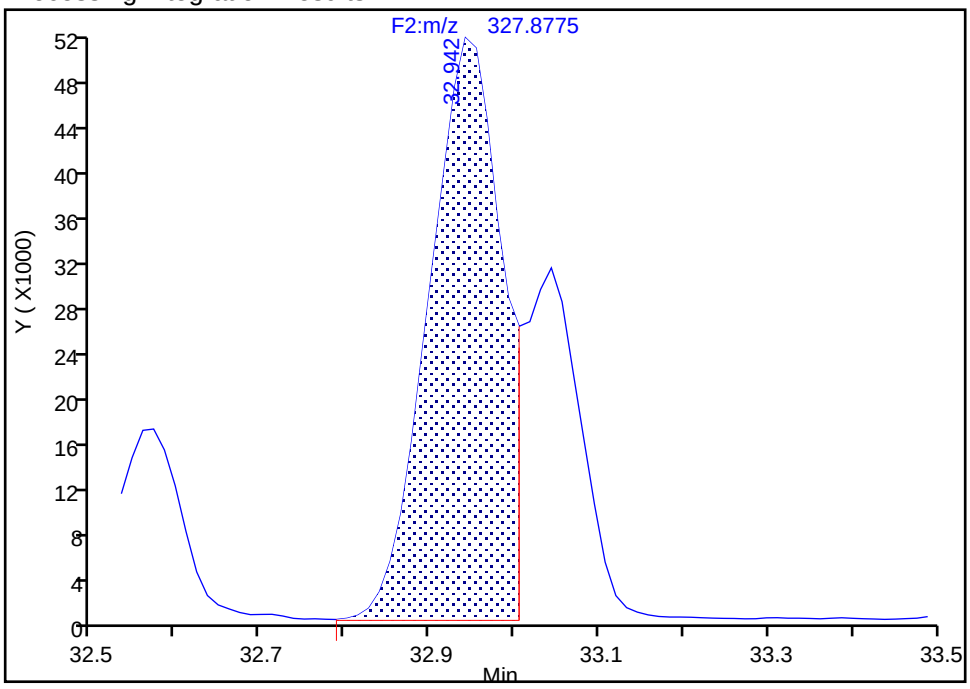
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

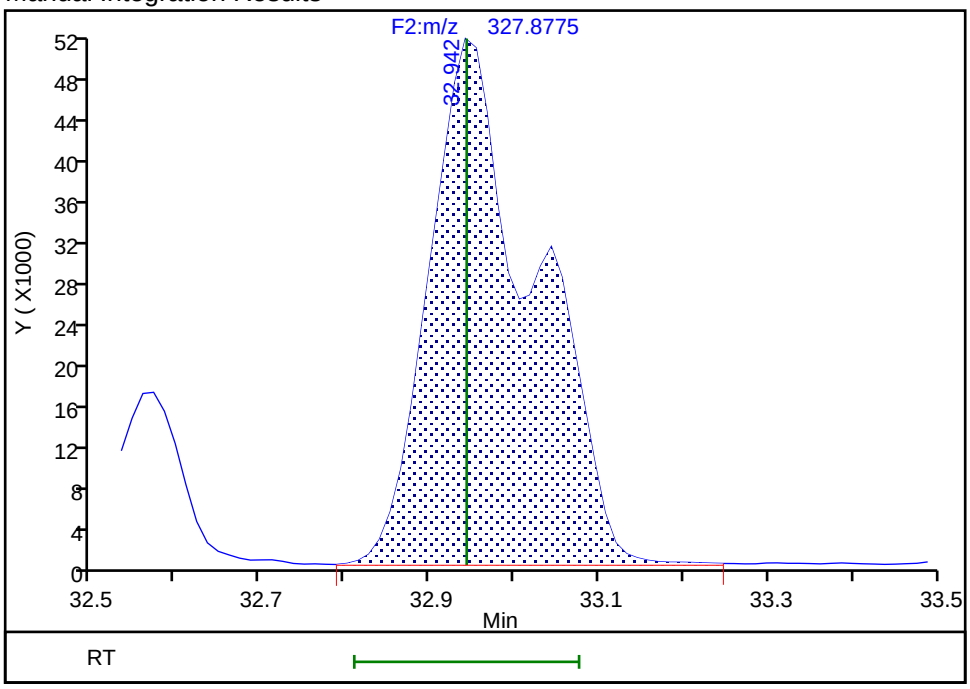
Processing Integration Results

RT: 32.94
Area: 304176
Amount: 22.328515
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 446822
Amount: 27.550244
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:20:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

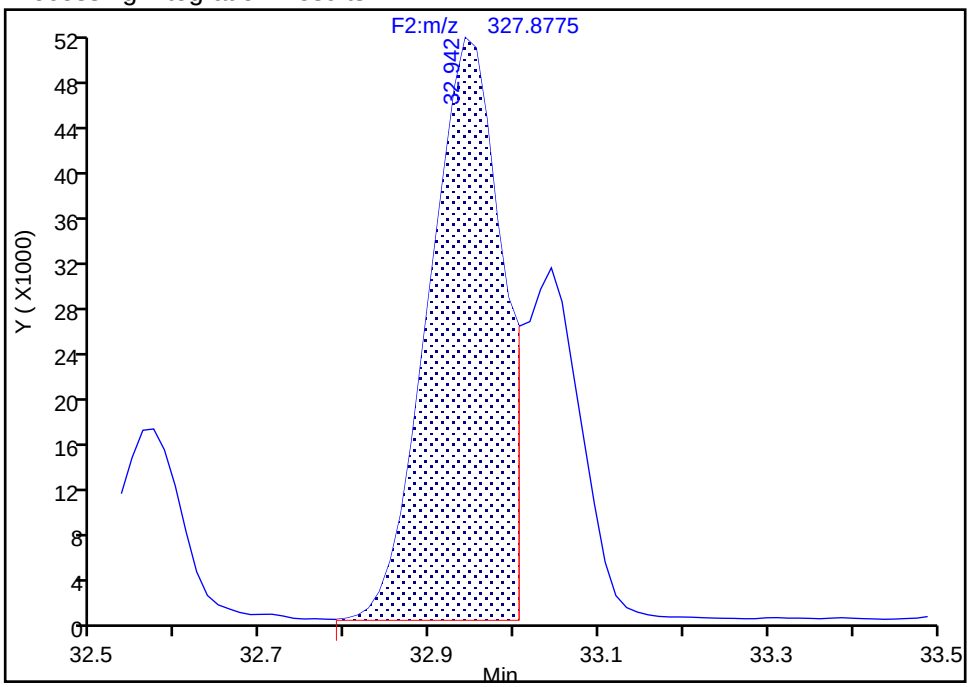
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.94
Area: 782474
Amount: 22.328515
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 1154367
Amount: 27.550244
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:20:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

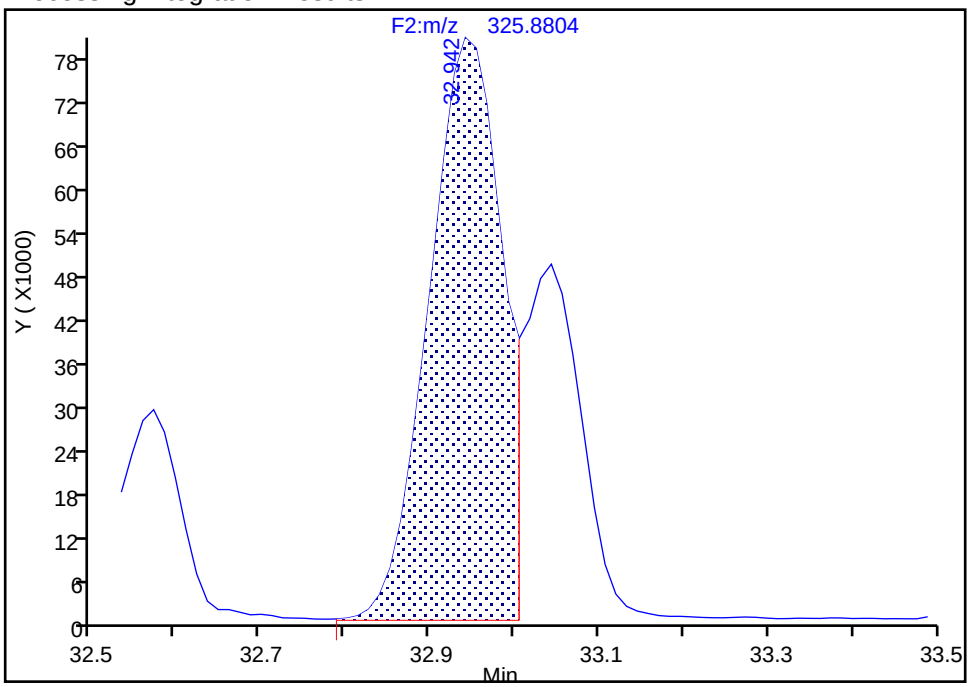
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

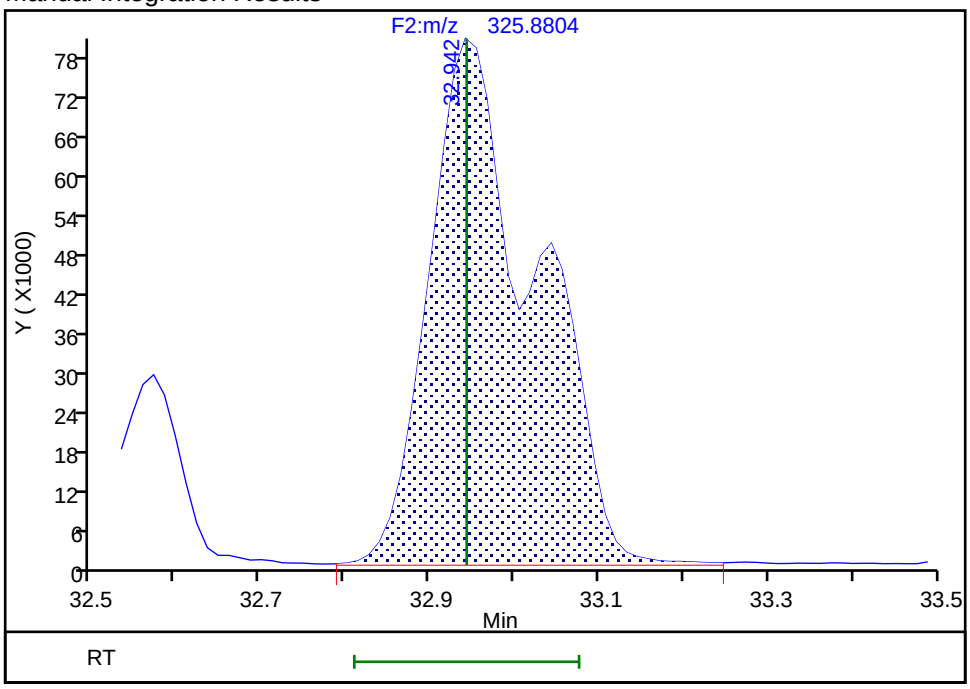
Processing Integration Results

RT: 32.94
Area: 478298
Amount: 22.328515
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 707545
Amount: 27.550244
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:21:00

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

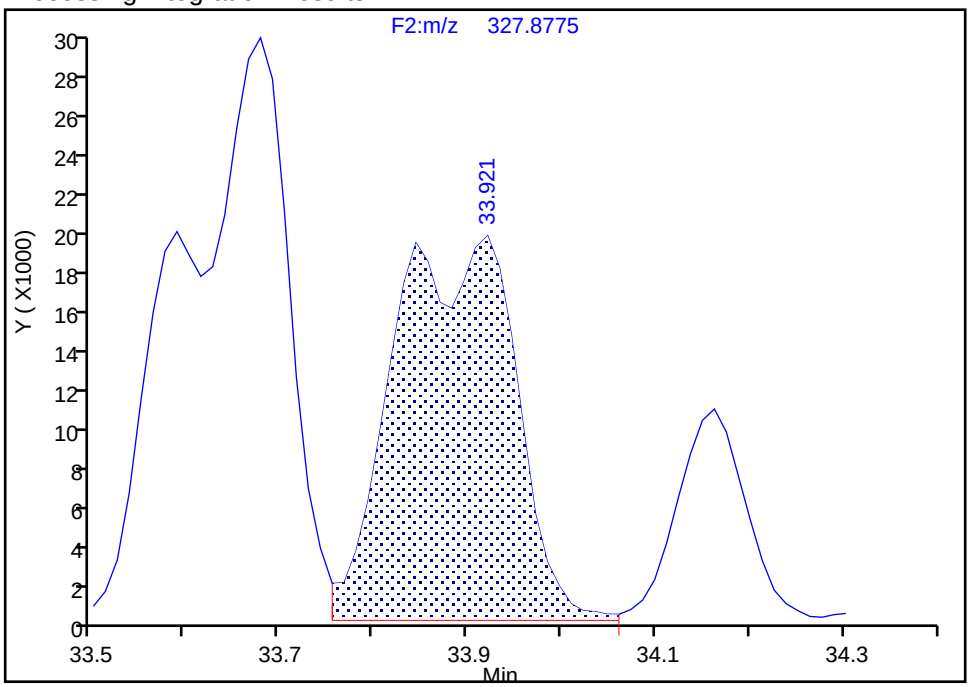
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 2

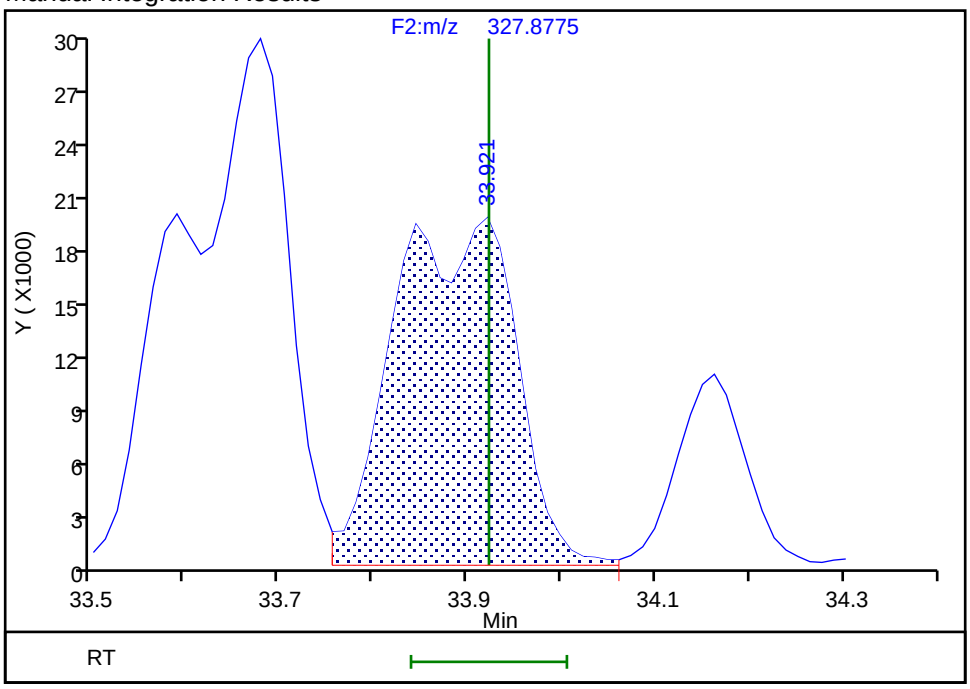
Processing Integration Results

RT: 33.92
Area: 174853
Amount: 6.958438
Amount Units: pg/ul




Manual Integration Results

RT: 33.92
Area: 174853
Amount: 9.571290
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:21:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

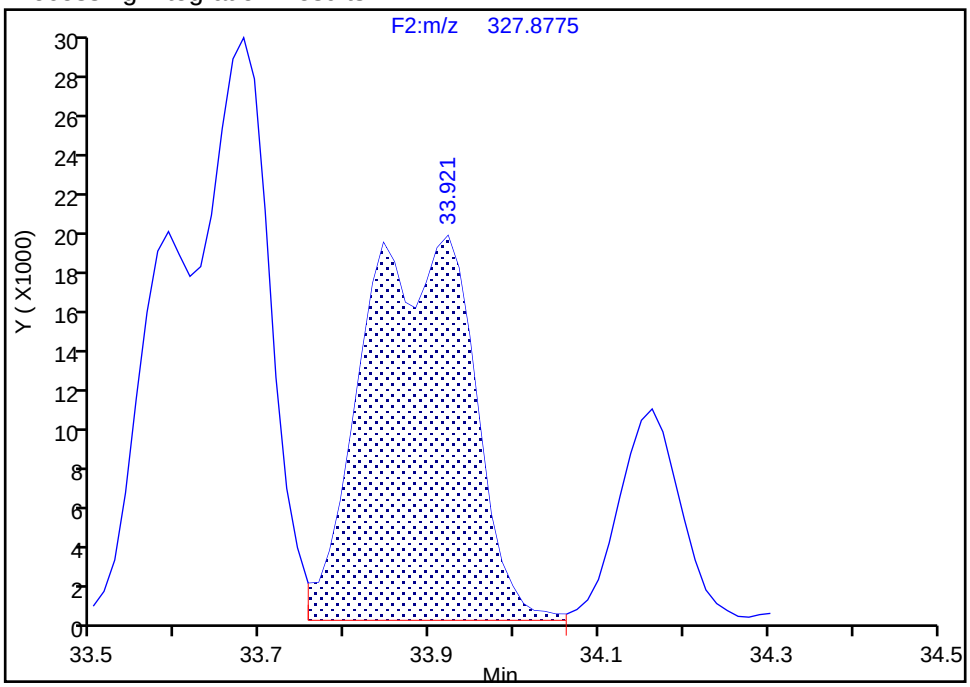
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 3

Processing Integration Results

RT: 33.92
Area: 313320
Amount: 6.958438
Amount Units: pg/ul




Manual Integration Results

RT: 33.84
Area: 453130
Amount: 9.571290
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:21:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

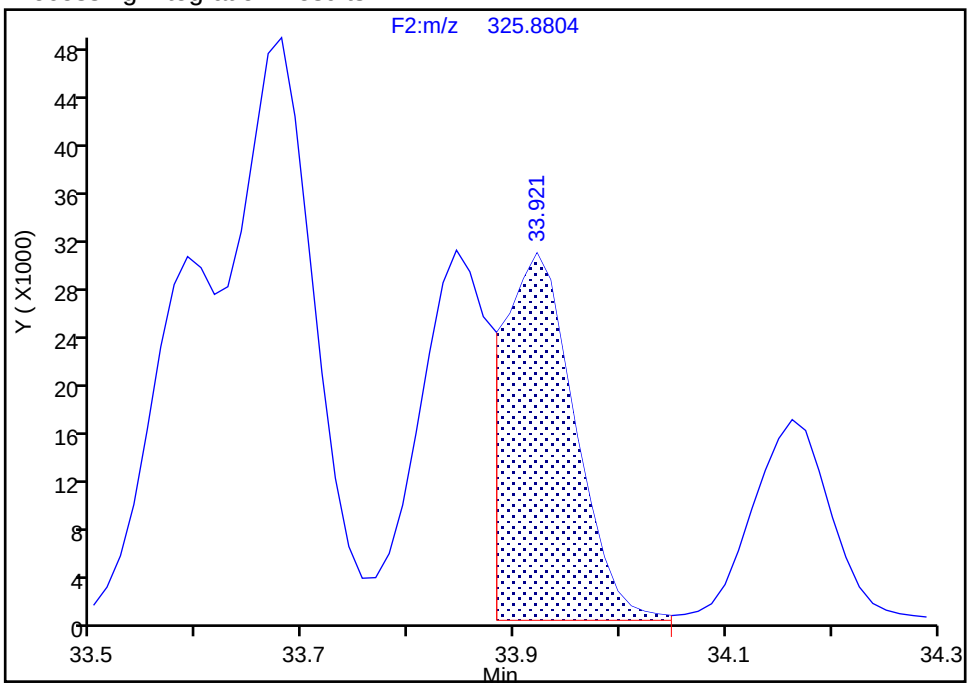
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 1

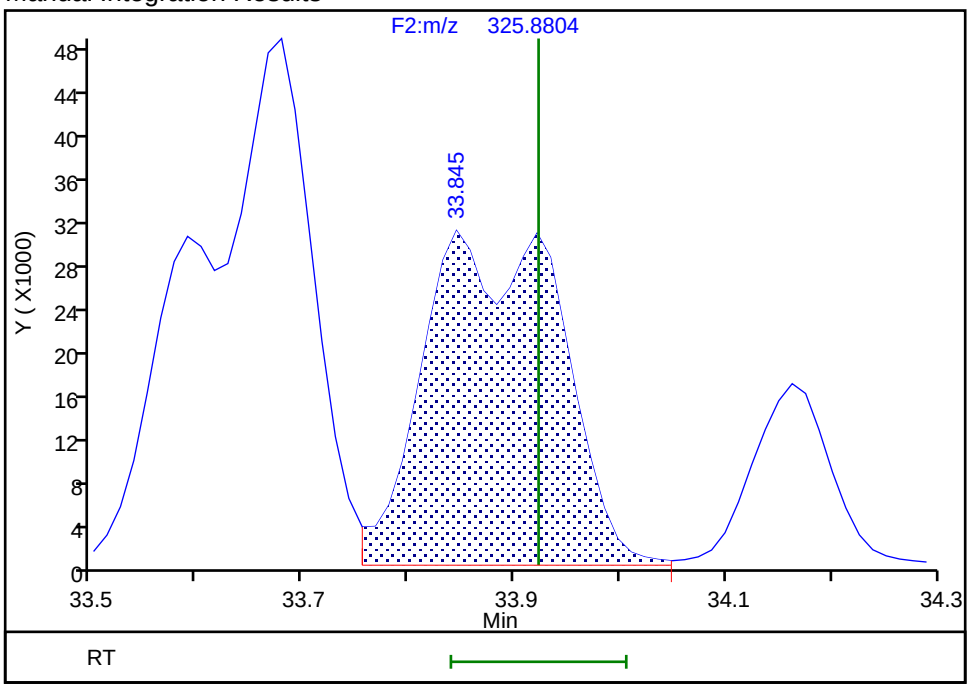
Processing Integration Results

RT: 33.92
Area: 138467
Amount: 6.958438
Amount Units: pg/ul




Manual Integration Results

RT: 33.84
Area: 278277
Amount: 9.571290
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:21:17
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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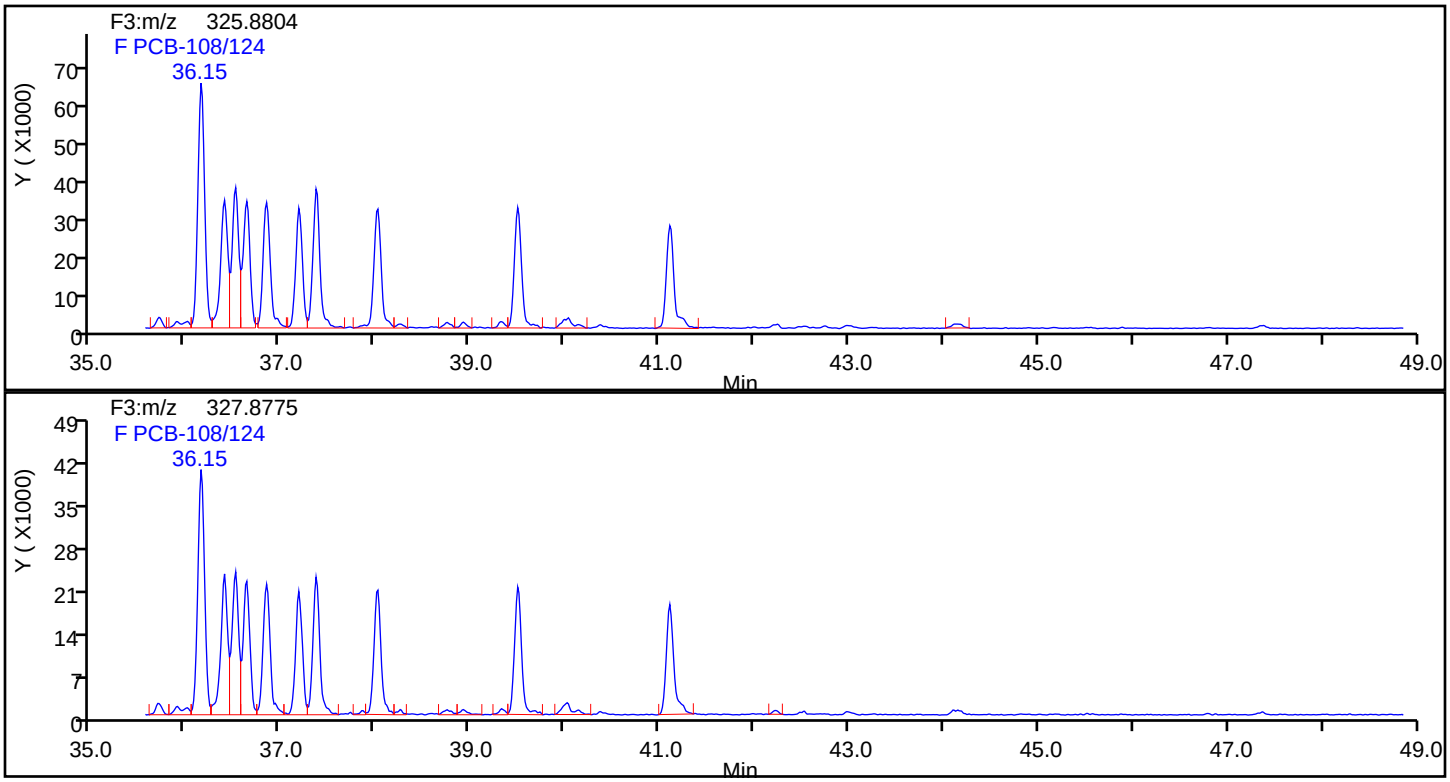
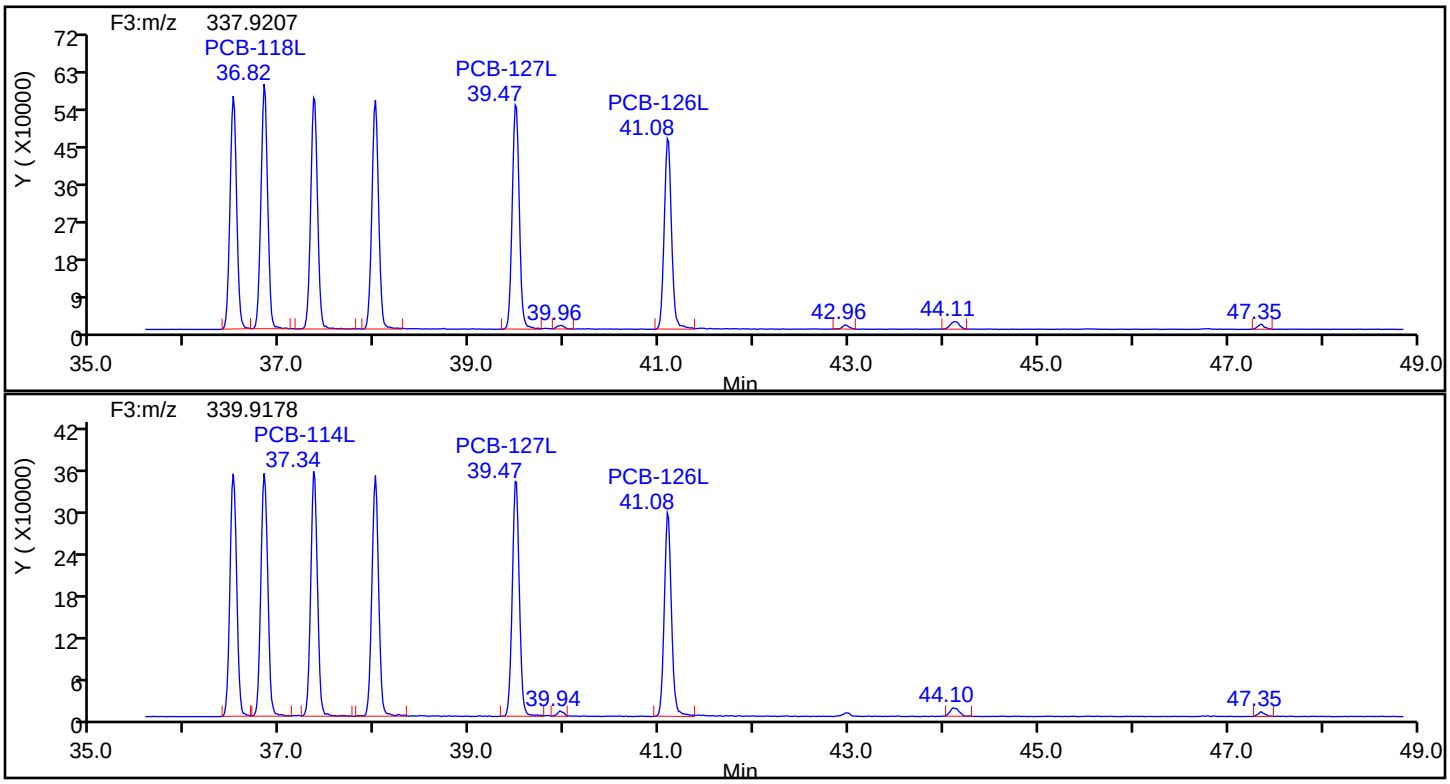
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



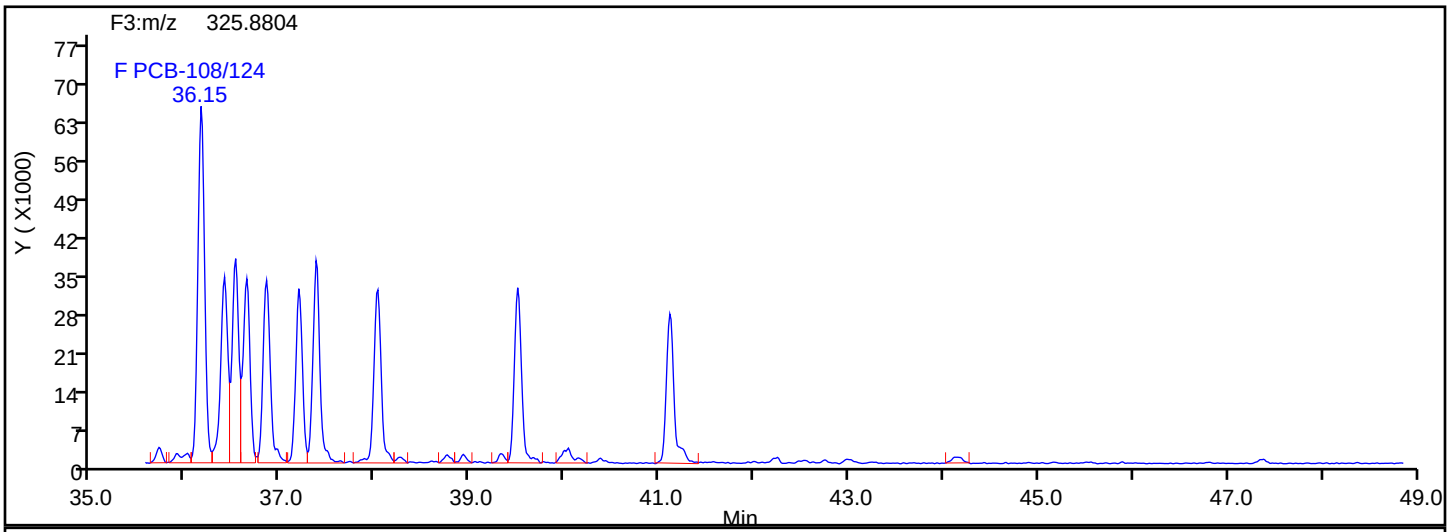

PePCB F3 Standards

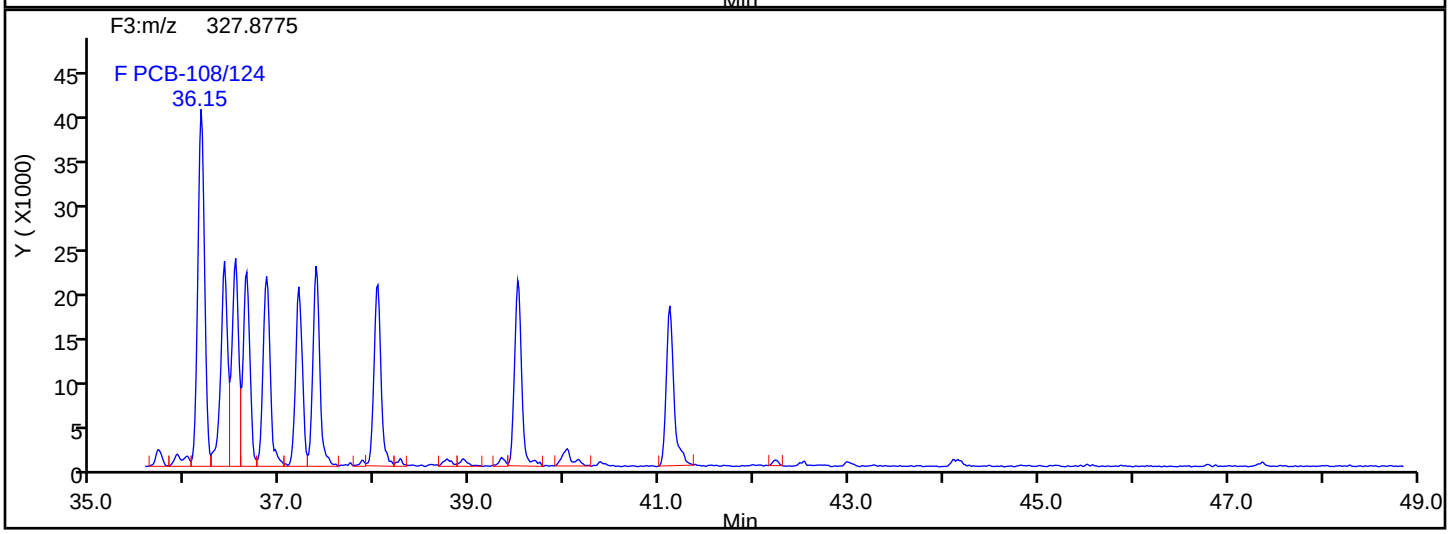


Eurofins TestAmerica, Knoxville

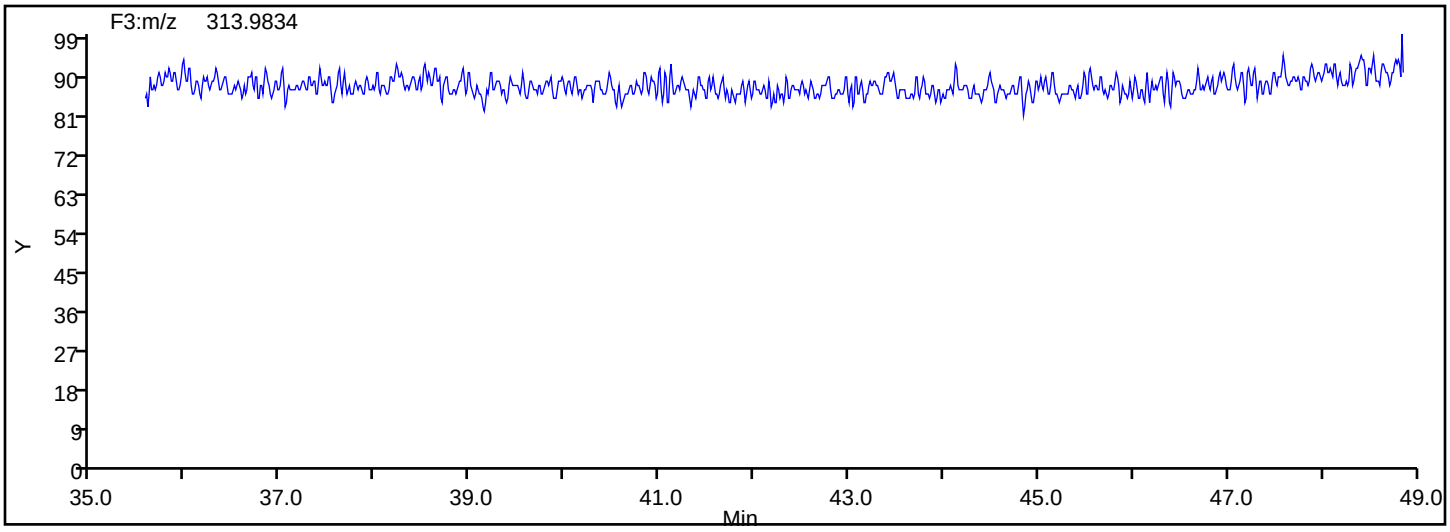
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



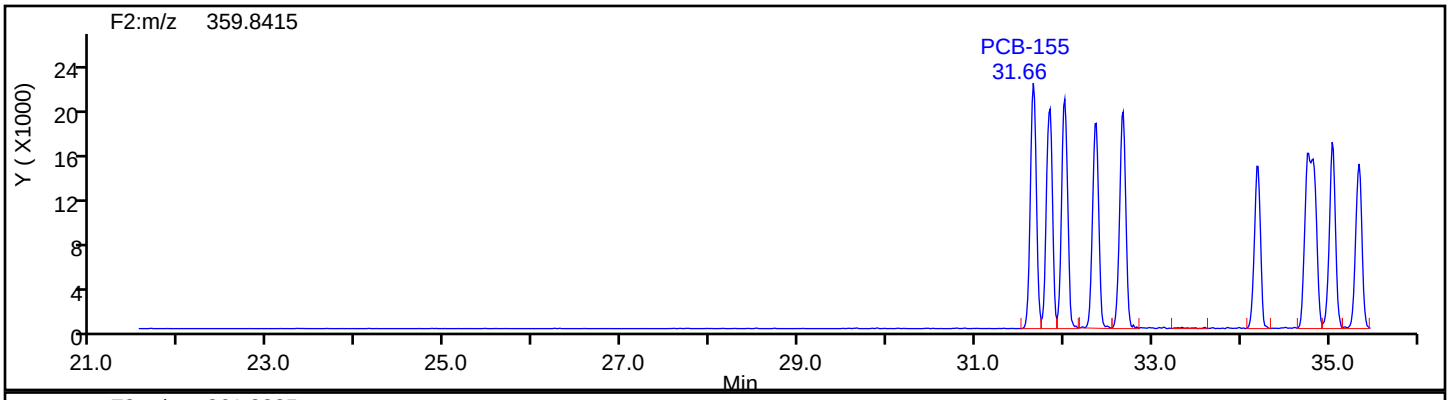

PePCB F3 Lock Mass

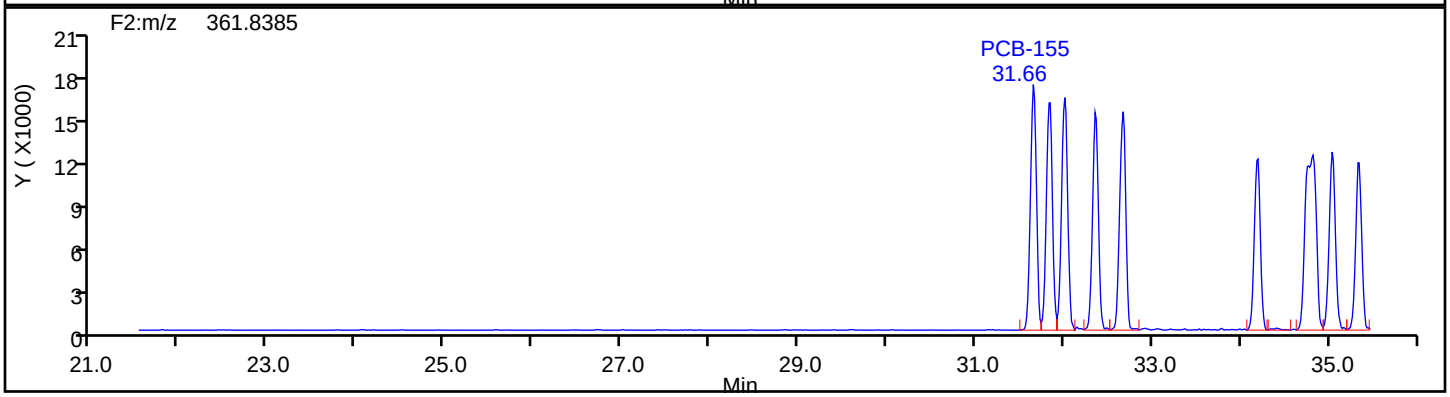


Eurofins TestAmerica, Knoxville

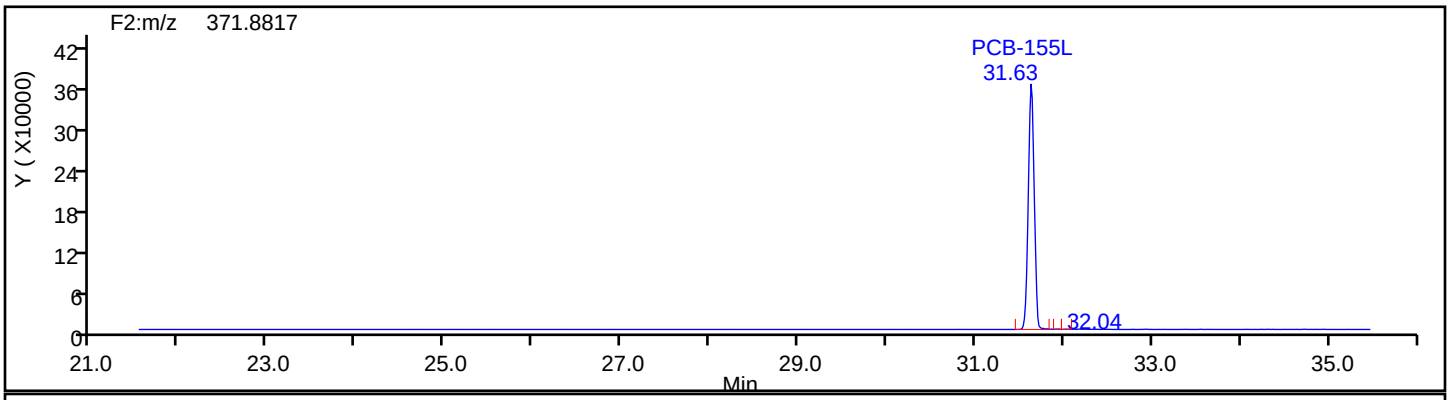
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

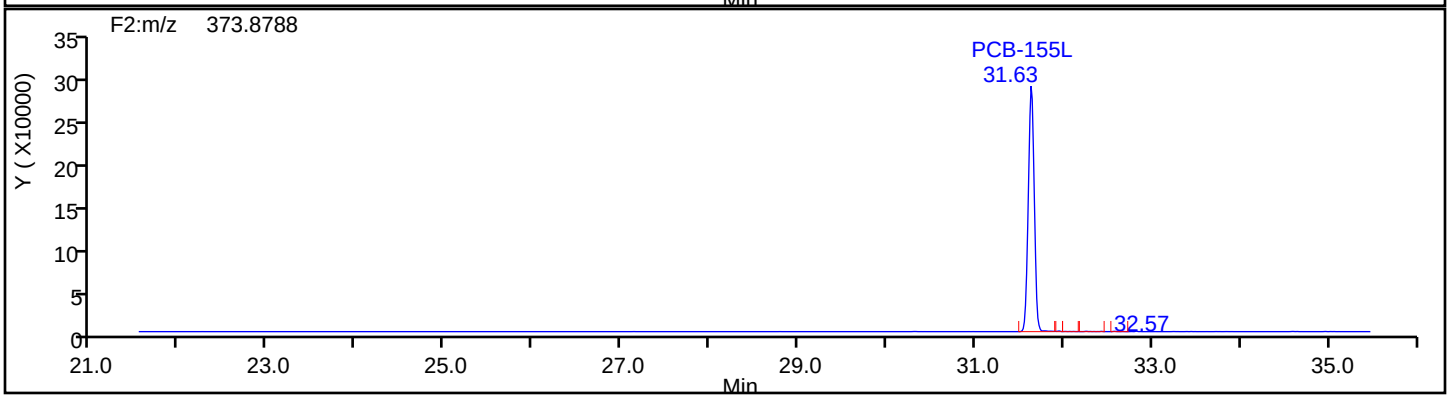
HxPCB F2




HxPCB F2 Standards

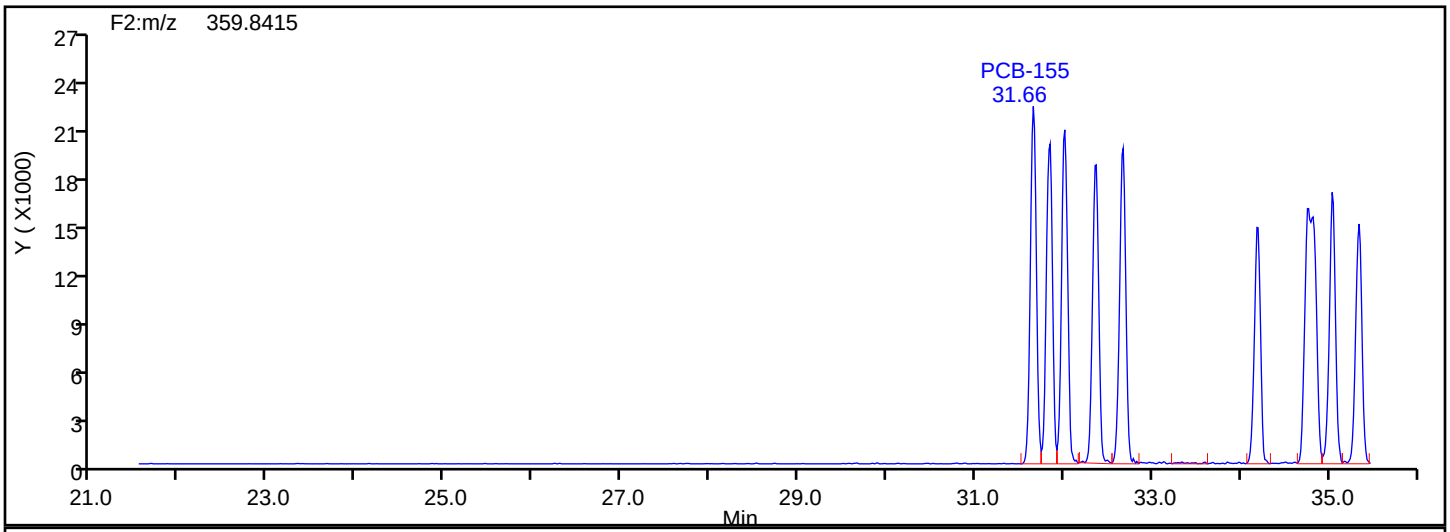


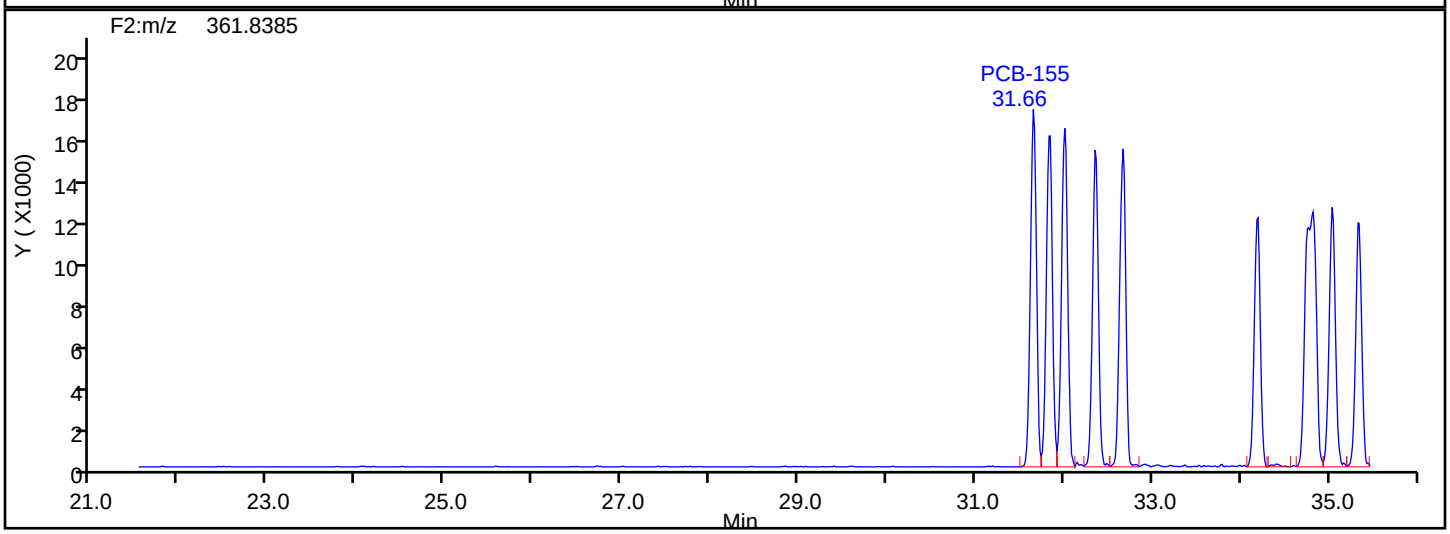



Eurofins TestAmerica, Knoxville

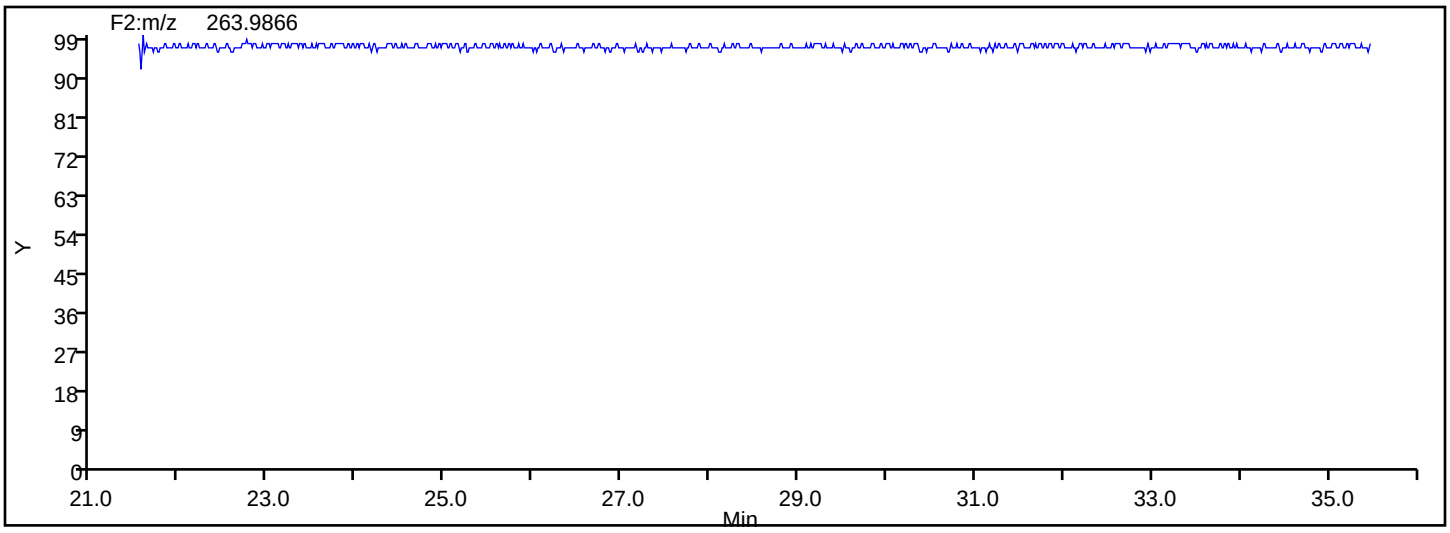
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

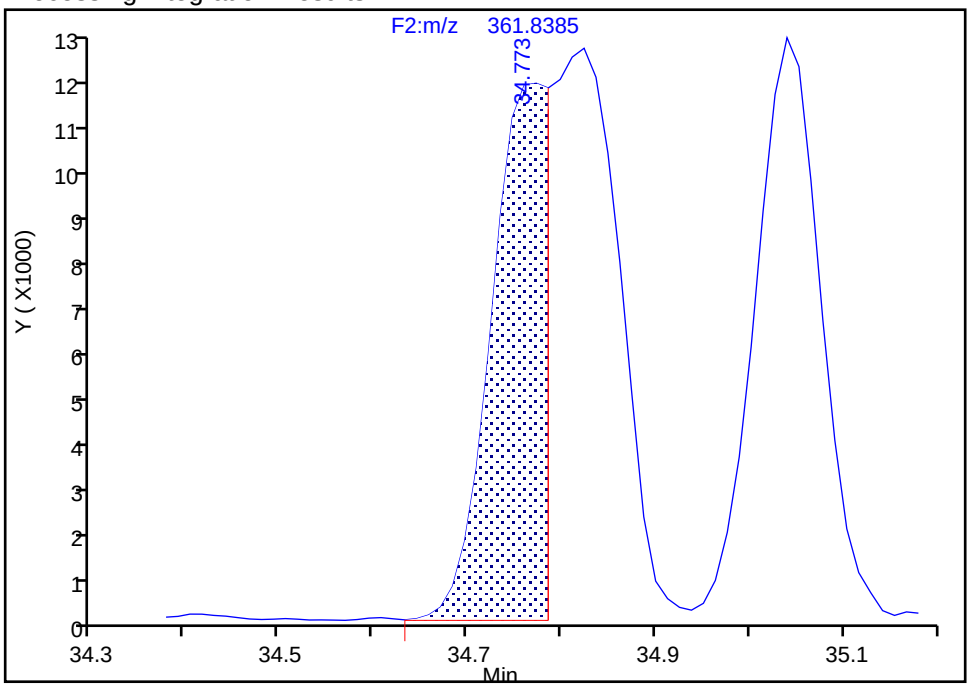
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 2

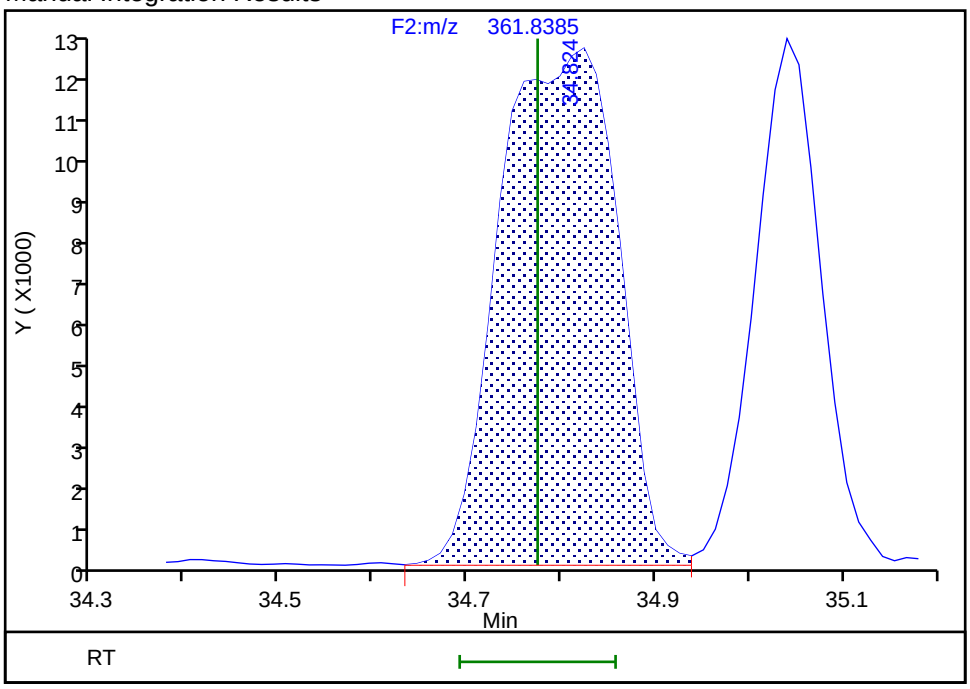
Processing Integration Results

RT: 34.77
Area: 46494
Amount: 5.360763
Amount Units: pg/ul




Manual Integration Results

RT: 34.82
Area: 108182
Amount: 9.380935
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:21:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

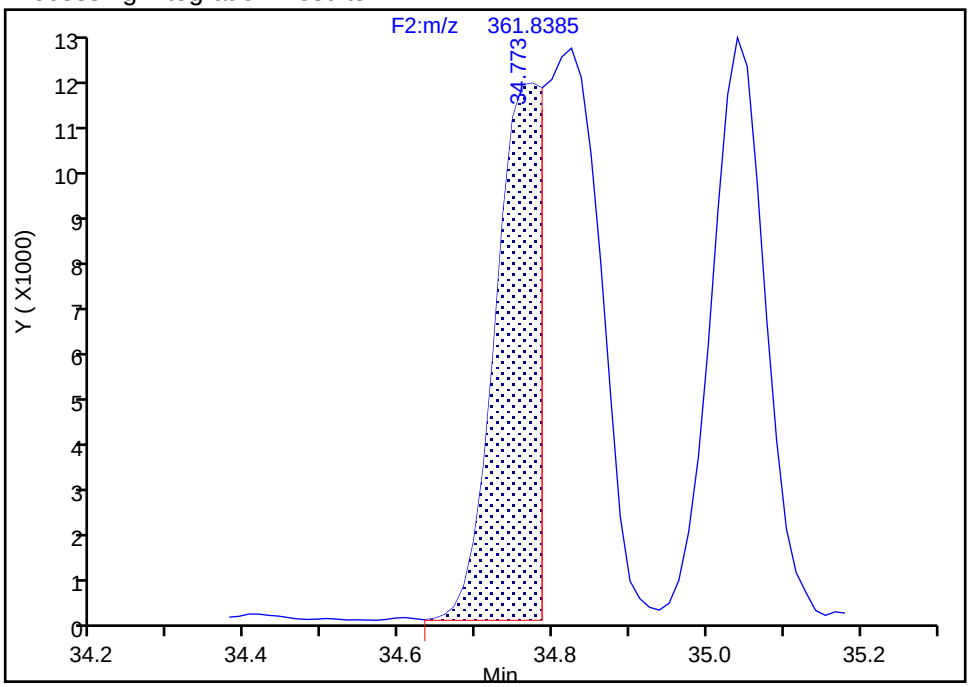
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.76
Area: 118643
Amount: 5.360763
Amount Units: pg/ul




Manual Integration Results

RT: 34.76
Area: 247239
Amount: 9.380935
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:21:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

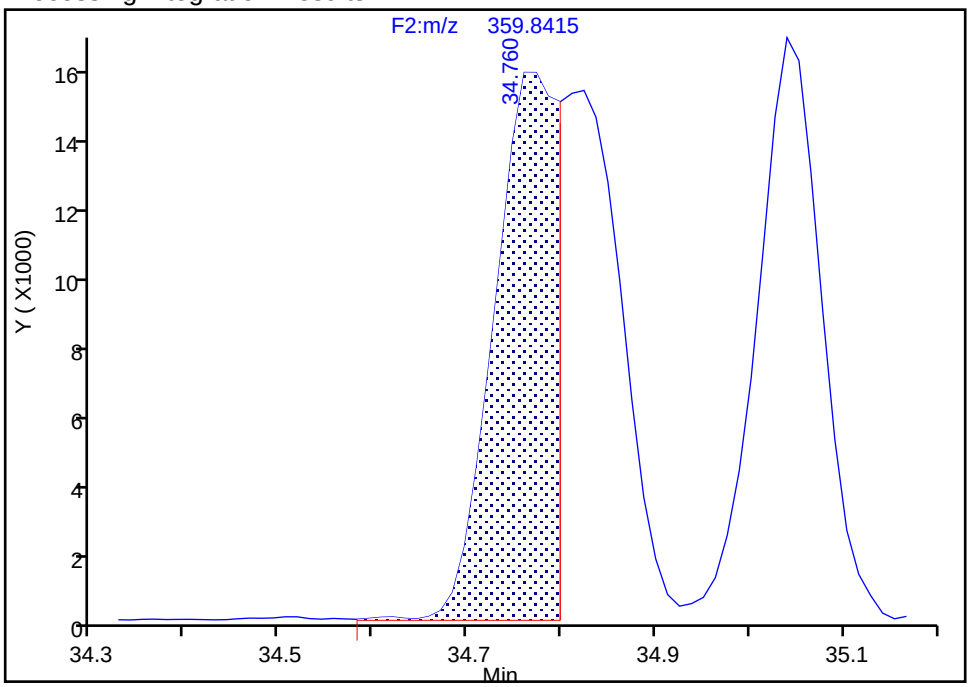
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

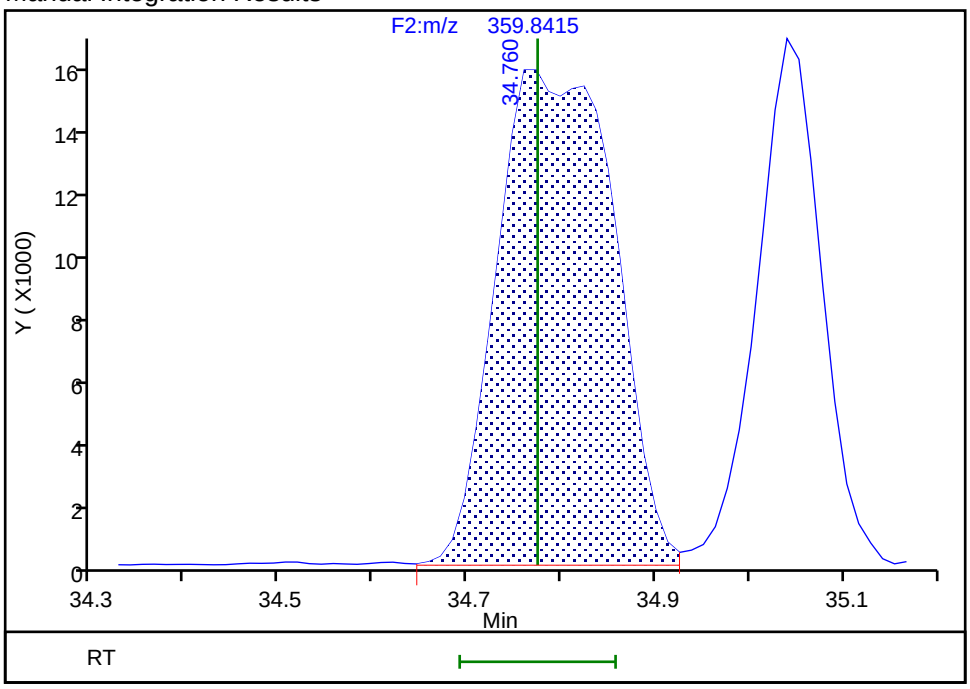
Processing Integration Results

RT: 34.76
Area: 72149
Amount: 5.360763
Amount Units: pg/ul




Manual Integration Results

RT: 34.76
Area: 139057
Amount: 9.380935
Amount Units: pg/ul



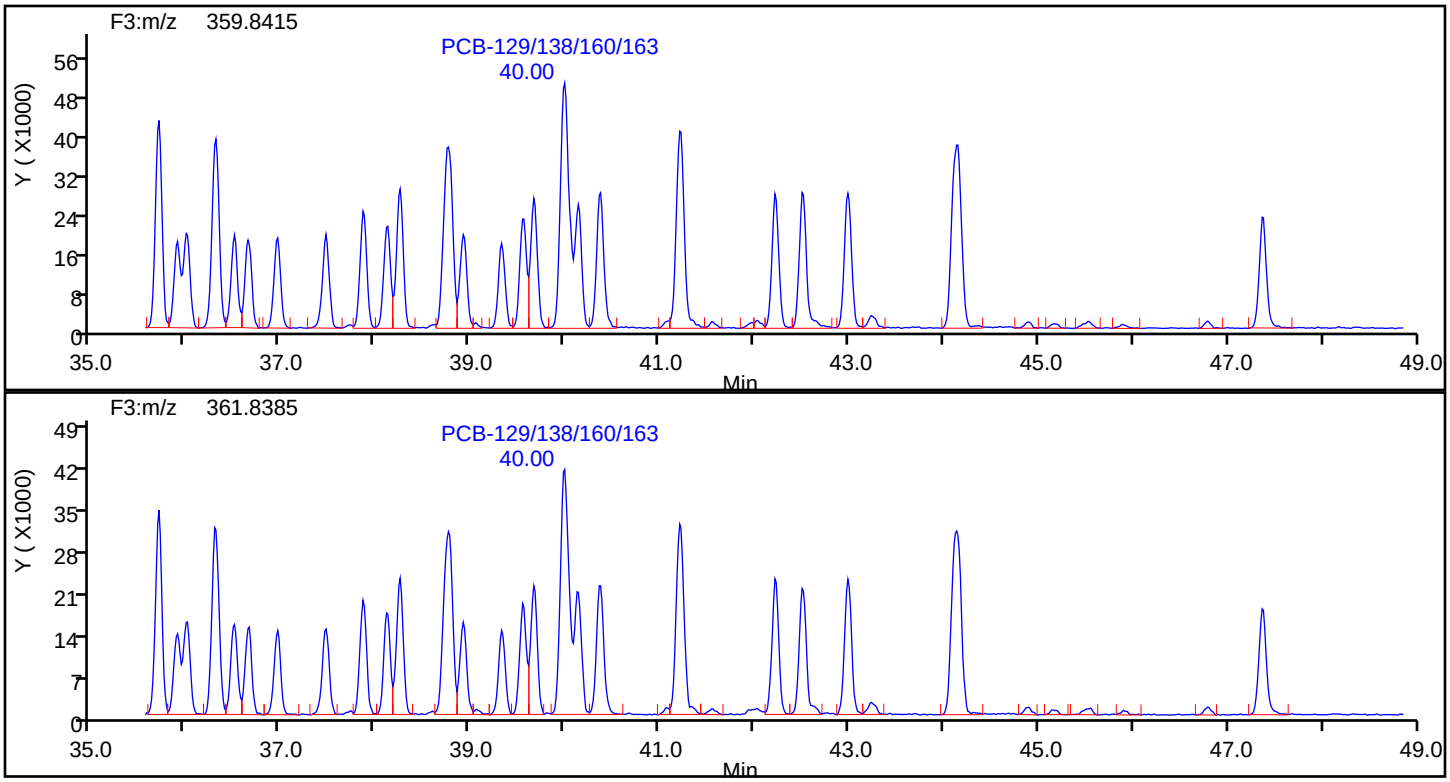

Reviewer: mcwhirterl, 21-Aug-2019 20:21:59

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

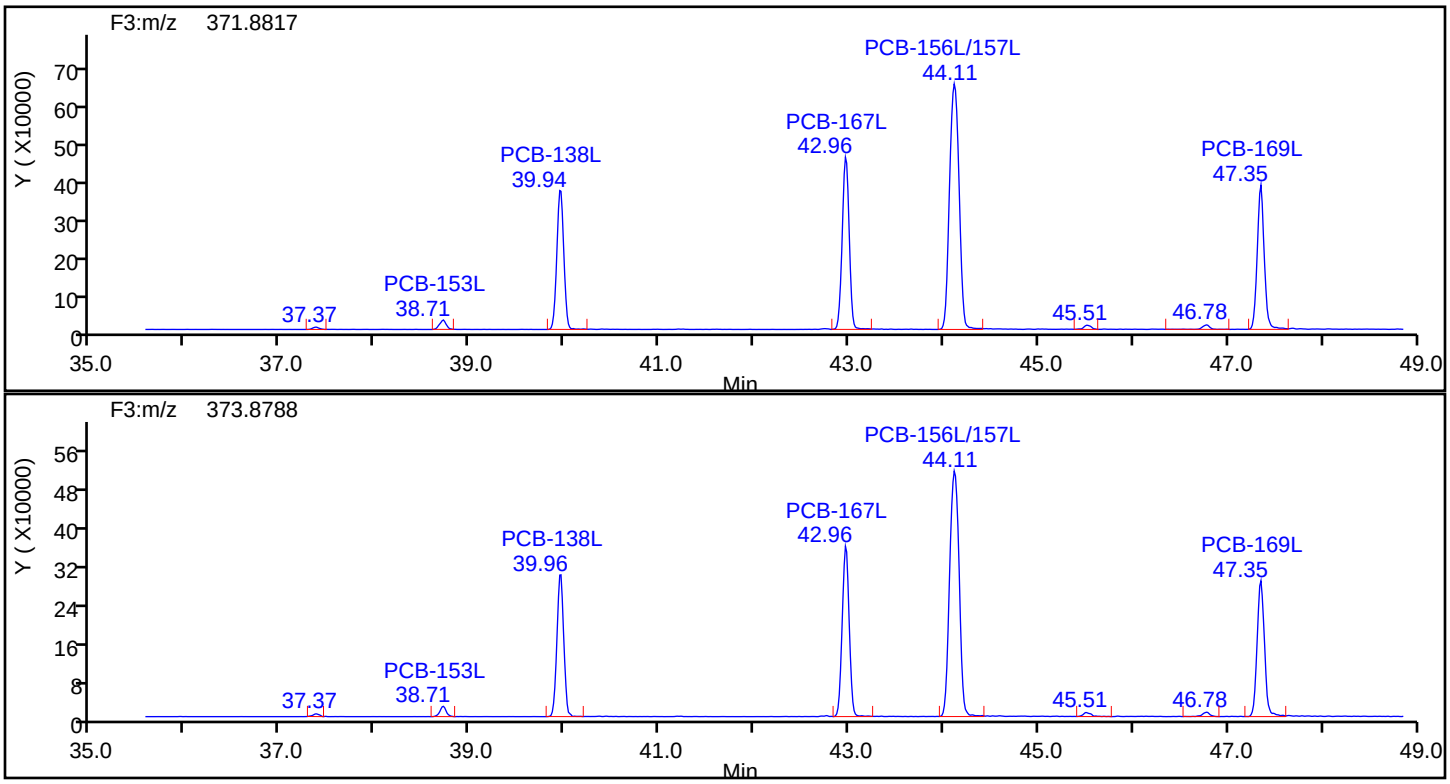
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



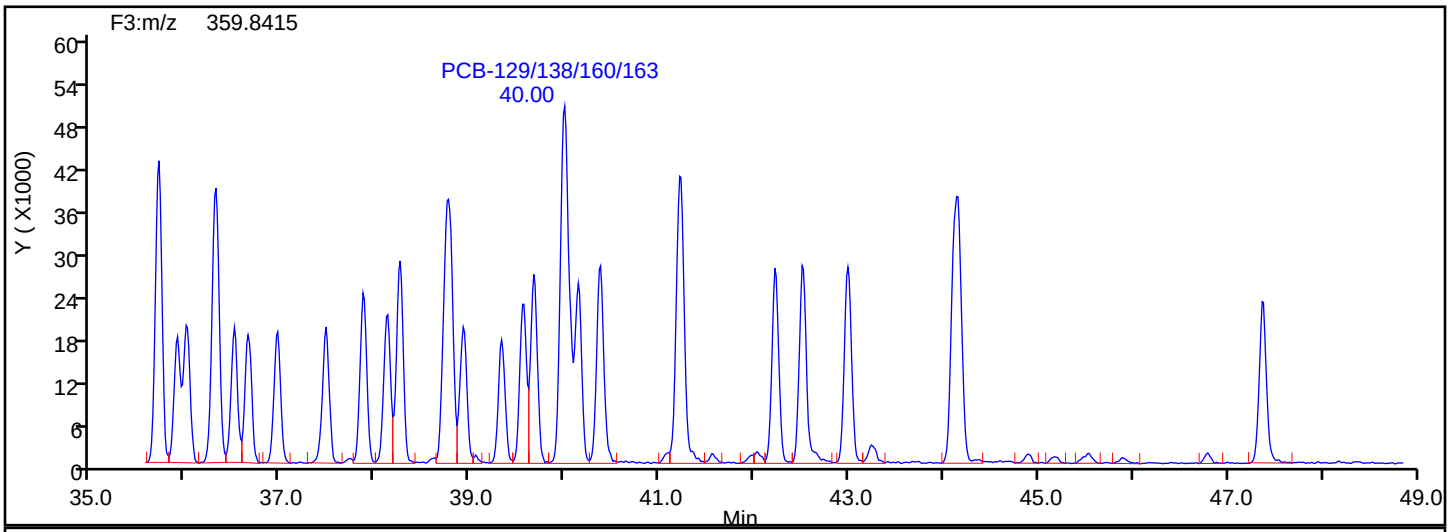

HxPCB F3 Standards

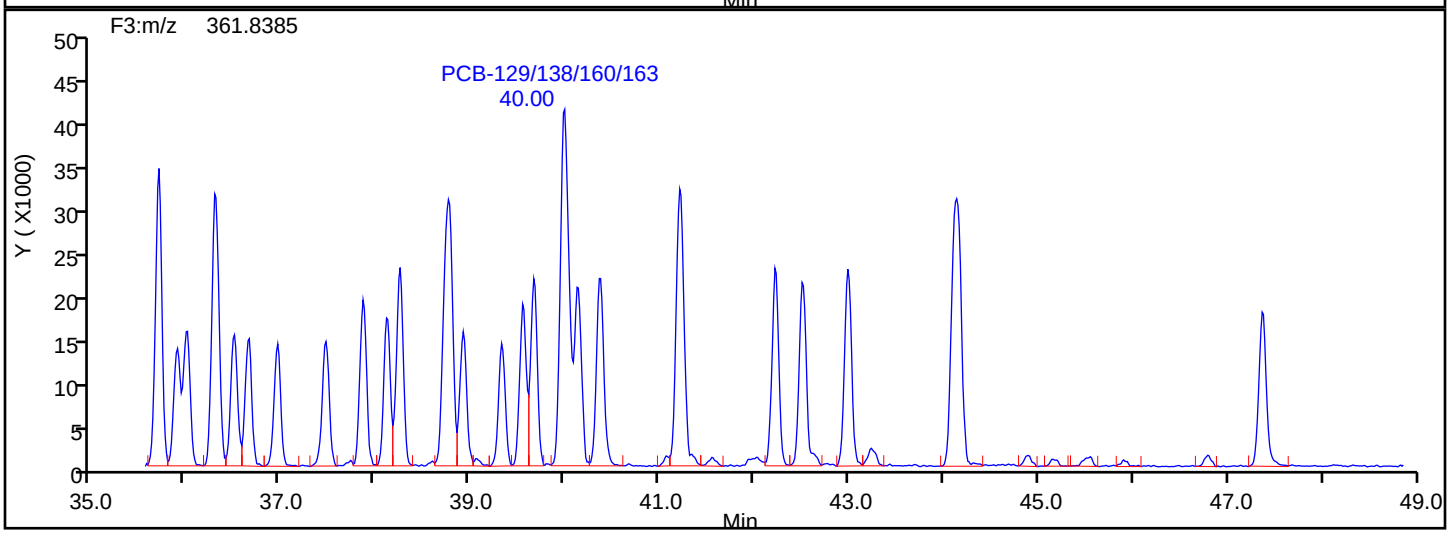


Eurofins TestAmerica, Knoxville

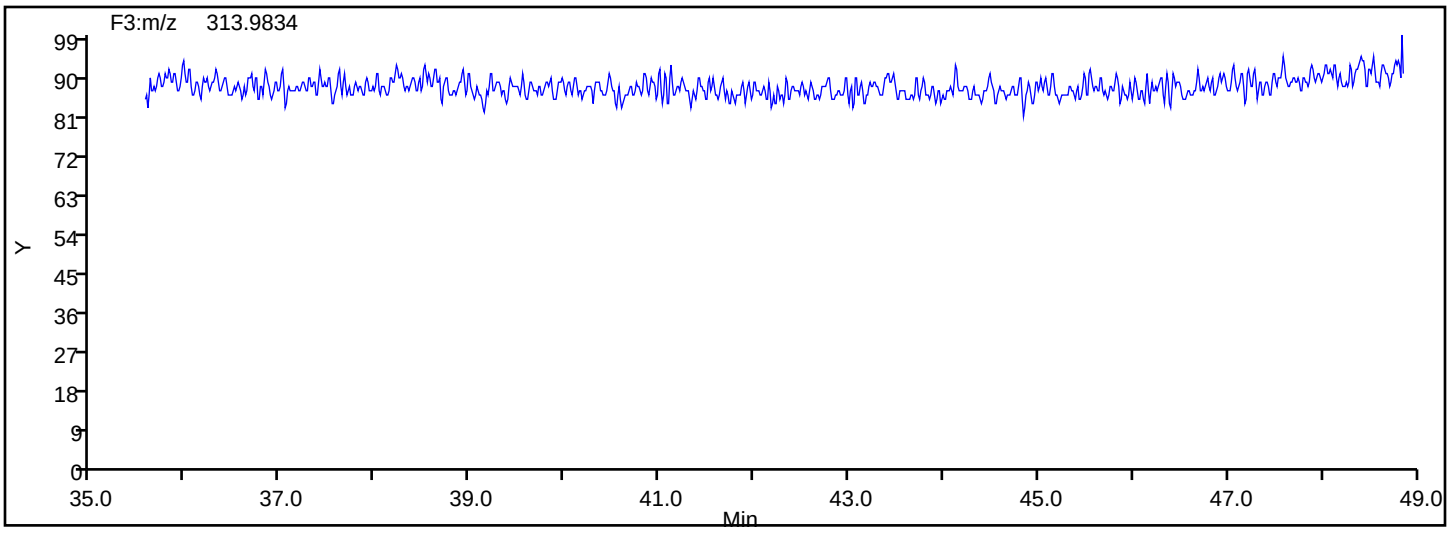
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

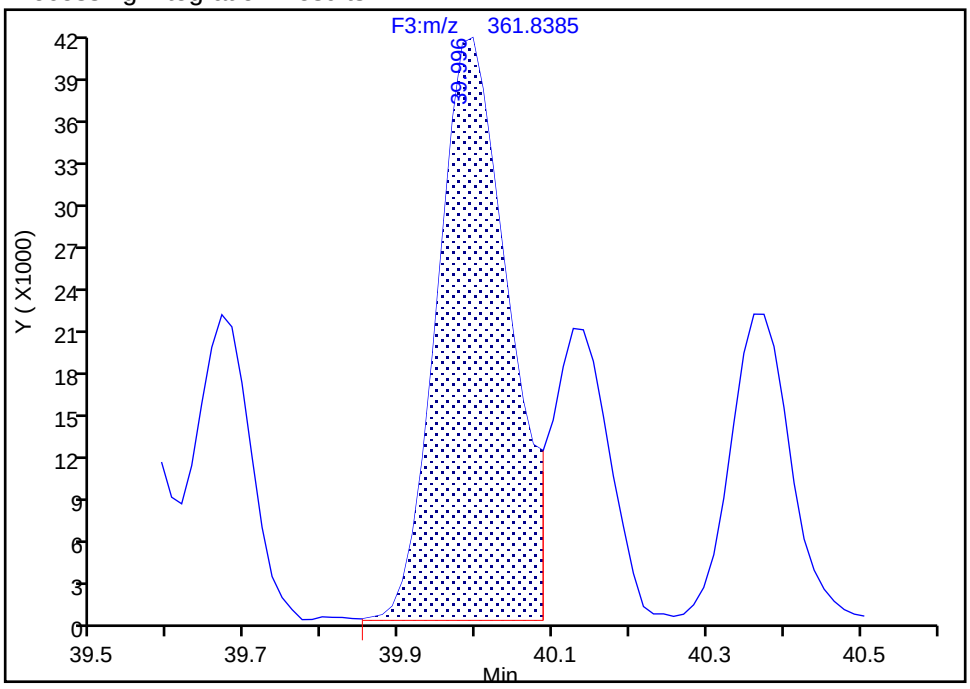
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

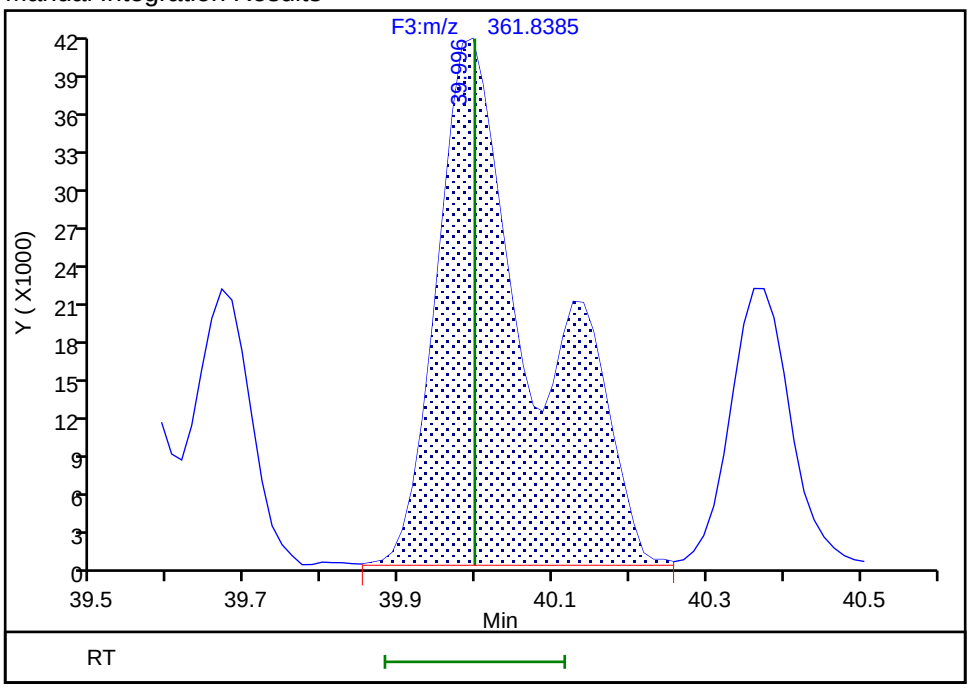
Processing Integration Results

RT: 40.00
Area: 263506
Amount: 15.847438
Amount Units: pg/ul




Manual Integration Results

RT: 40.00
Area: 368433
Amount: 19.097766
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:22:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

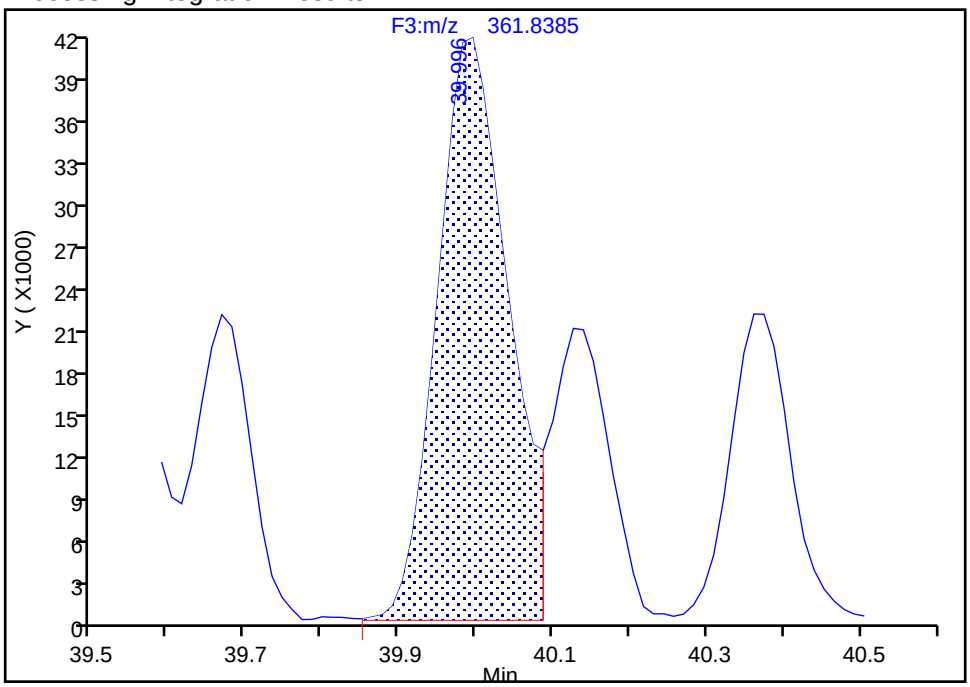
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 3

Processing Integration Results

RT: 40.00
Area: 588911
Amount: 15.847438
Amount Units: pg/ul




Manual Integration Results

RT: 40.00
Area: 821725
Amount: 19.097766
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:22:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

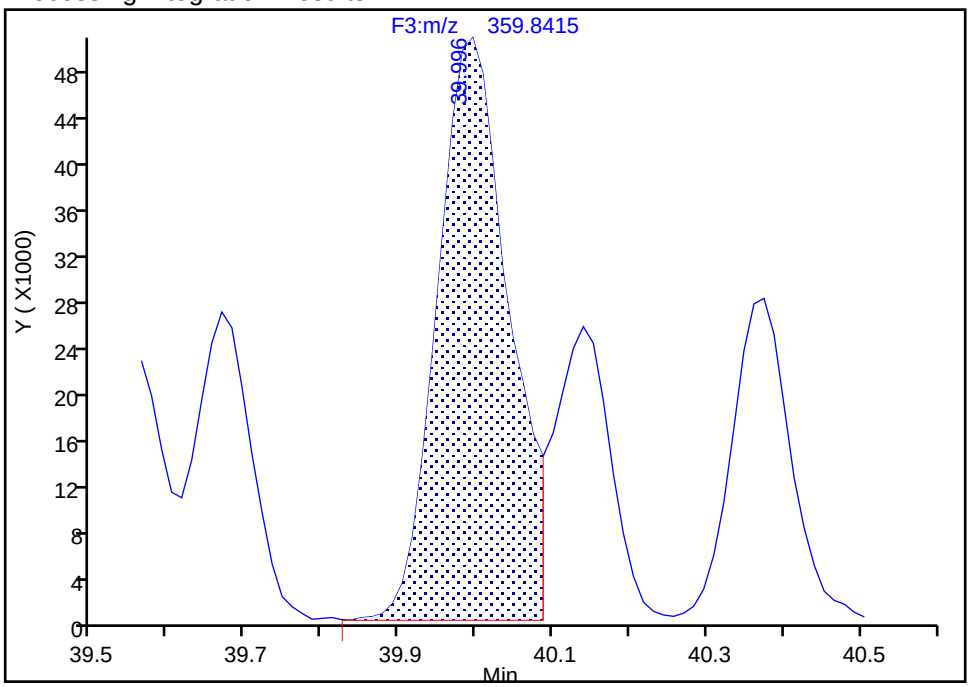
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

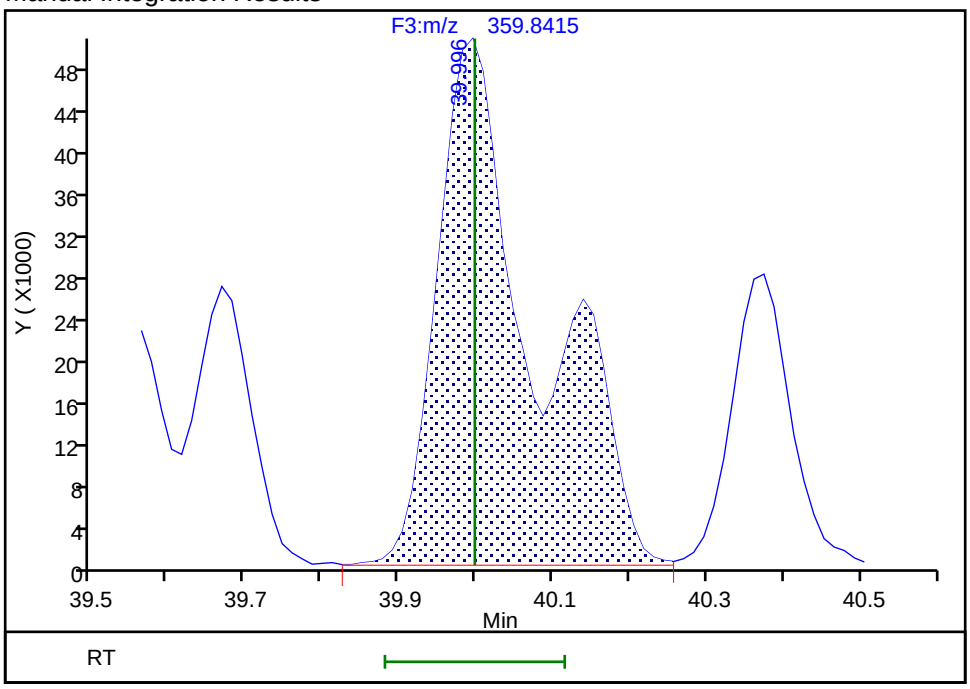
Processing Integration Results

RT: 40.00
Area: 325405
Amount: 15.847438
Amount Units: pg/ul




Manual Integration Results

RT: 40.00
Area: 453292
Amount: 19.097766
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:22:34
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

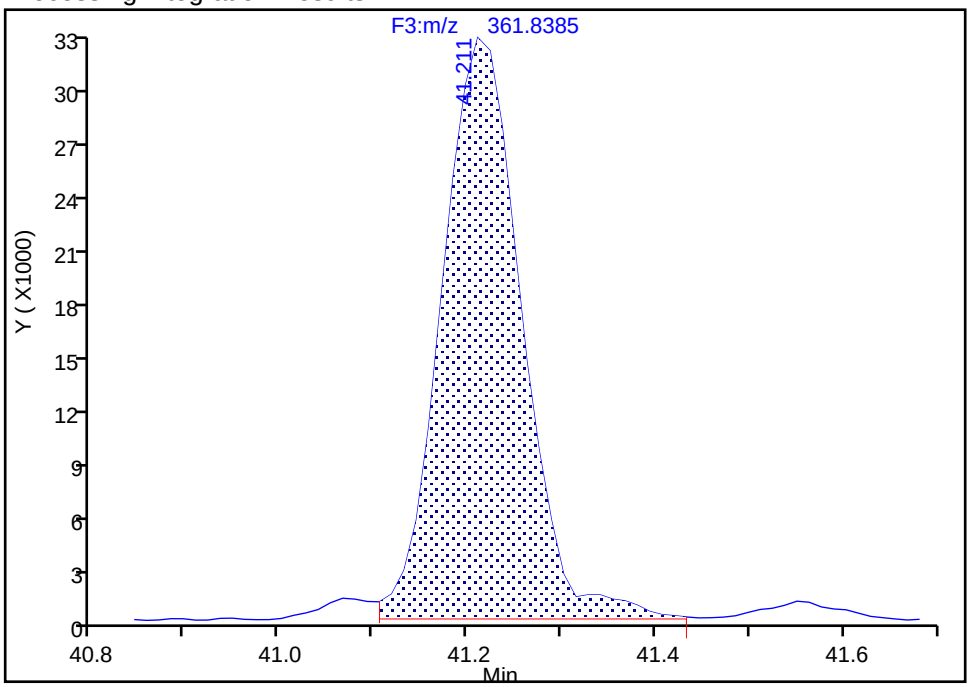
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-128/166, CAS: STL01816

Signal: 2

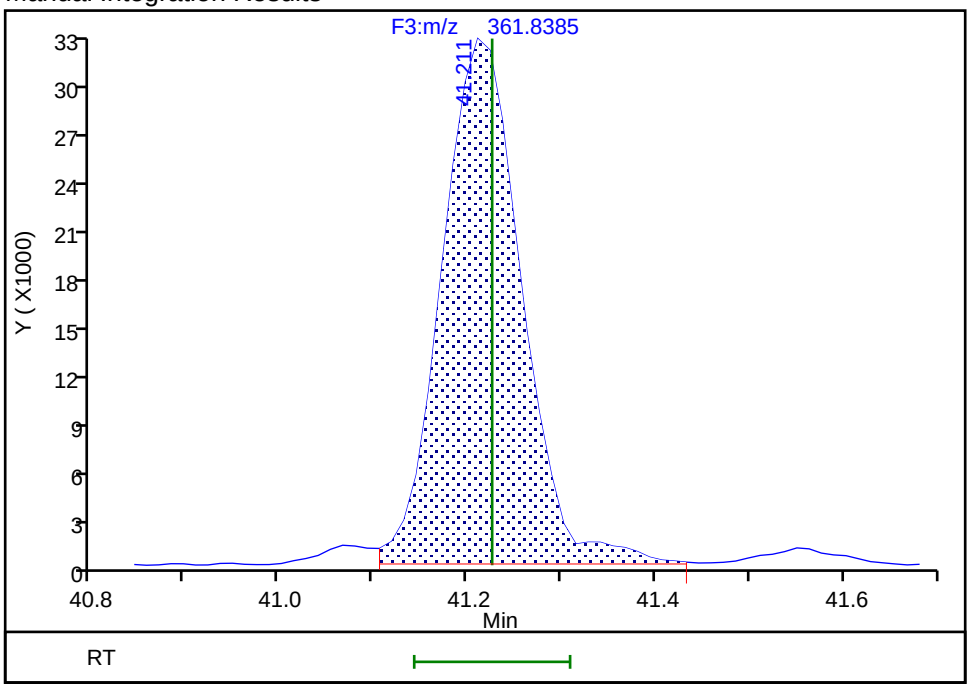
RT: 41.21
Area: 189324
Amount: 9.901967
Amount Units: pg/ul

Processing Integration Results




RT: 41.21
Area: 189324
Amount: 9.778973
Amount Units: pg/ul

Manual Integration Results




Reviewer: mcwhirterl, 21-Aug-2019 20:22:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

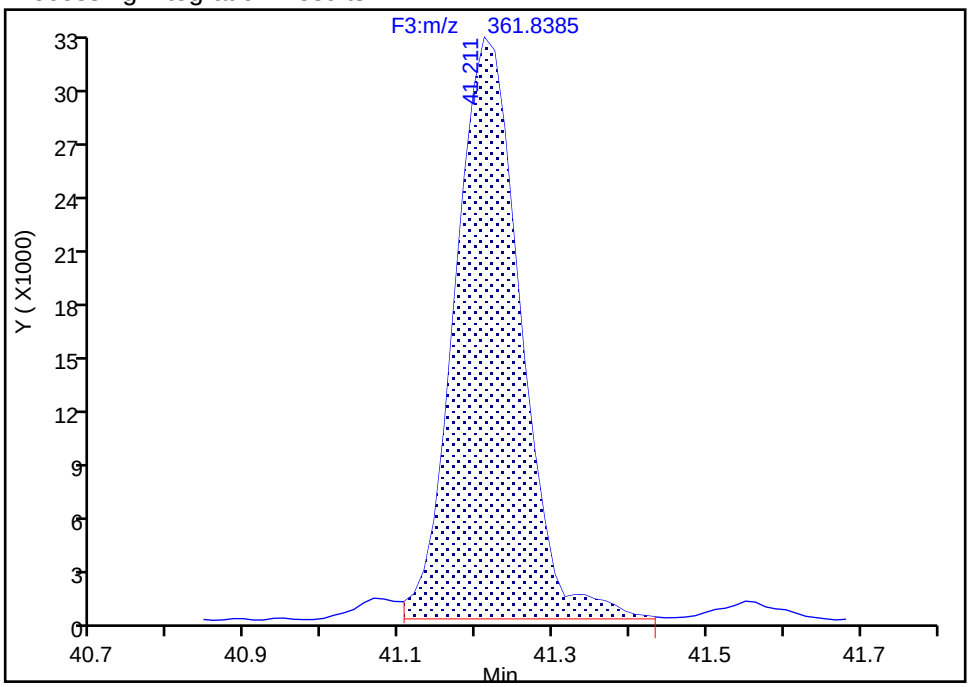
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-128/166, CAS: STL01816

Signal: 3

Processing Integration Results

RT: 41.21
Area: 439765
Amount: 9.901967
Amount Units: pg/ul




Manual Integration Results

RT: 41.21
Area: 433379
Amount: 9.778973
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:22:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

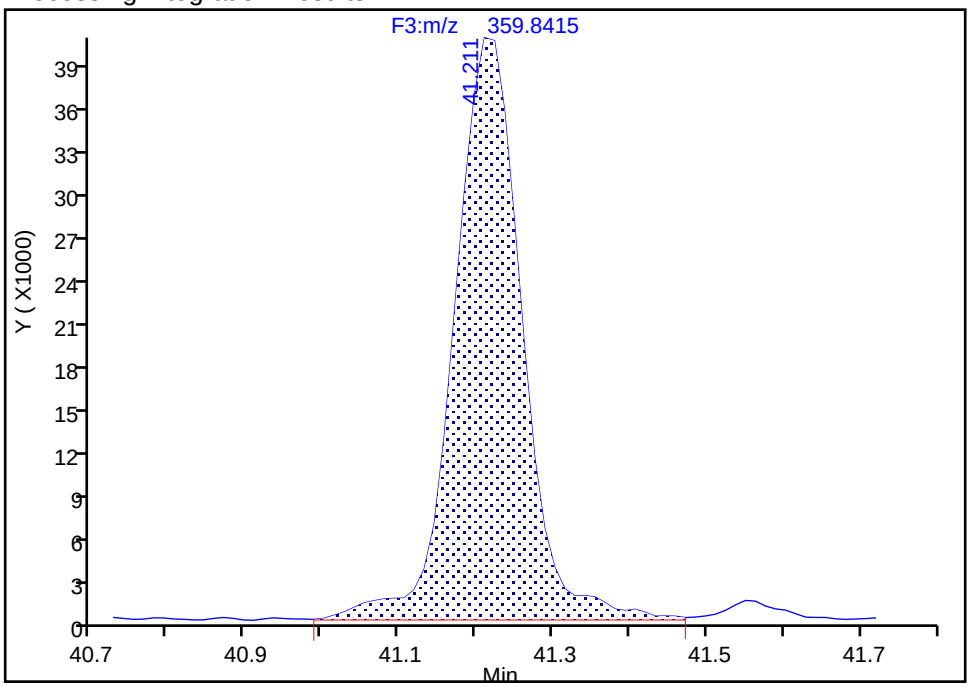
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-128/166, CAS: STL01816

Signal: 1

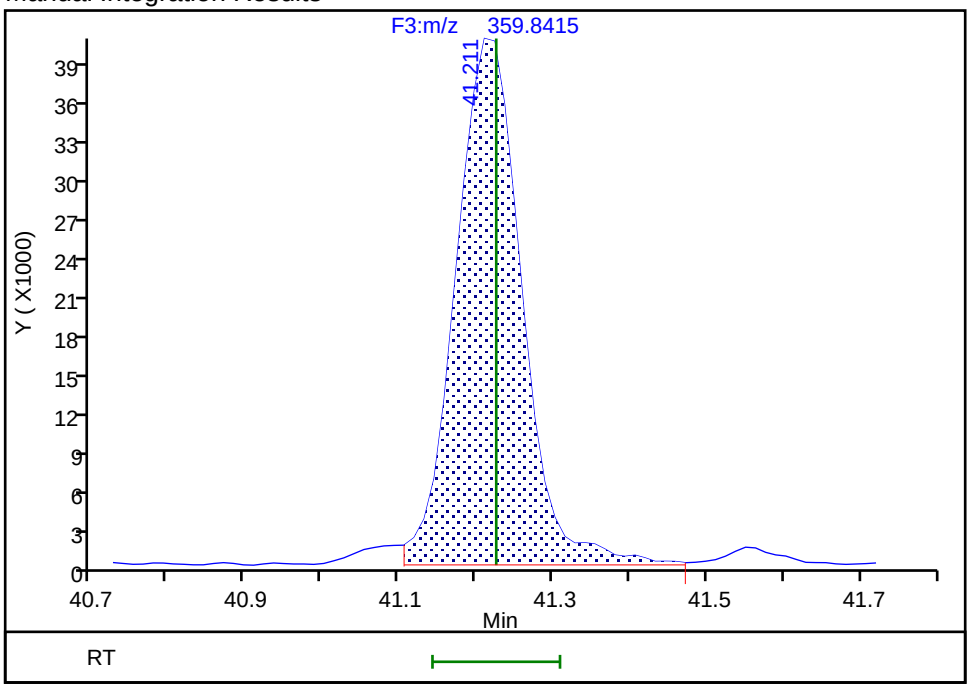
Processing Integration Results

RT: 41.21
Area: 250441
Amount: 9.901967
Amount Units: pg/ul




Manual Integration Results

RT: 41.21
Area: 244055
Amount: 9.778973
Amount Units: pg/ul



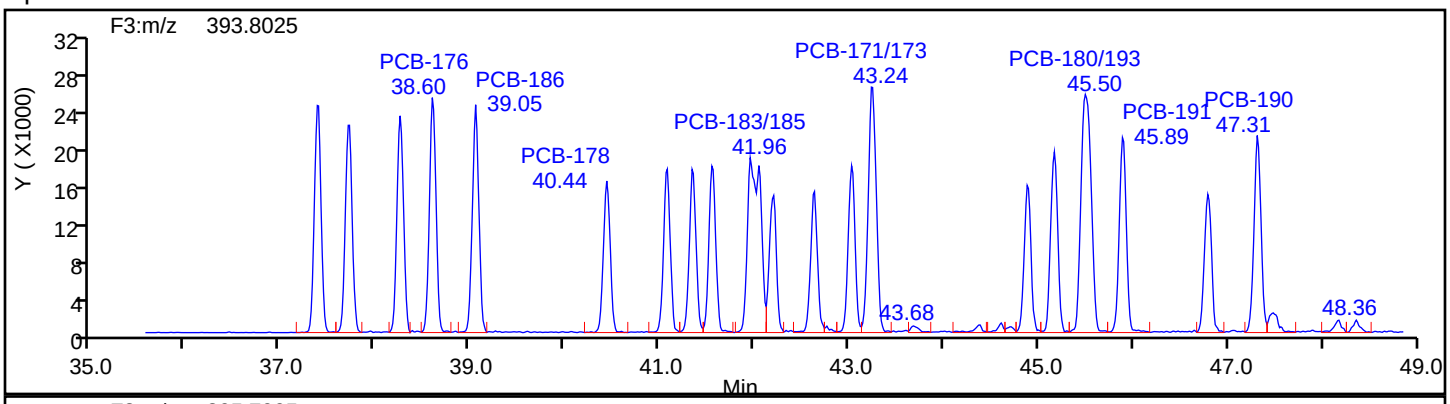

Reviewer: mcwhirterl, 21-Aug-2019 20:22:58
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

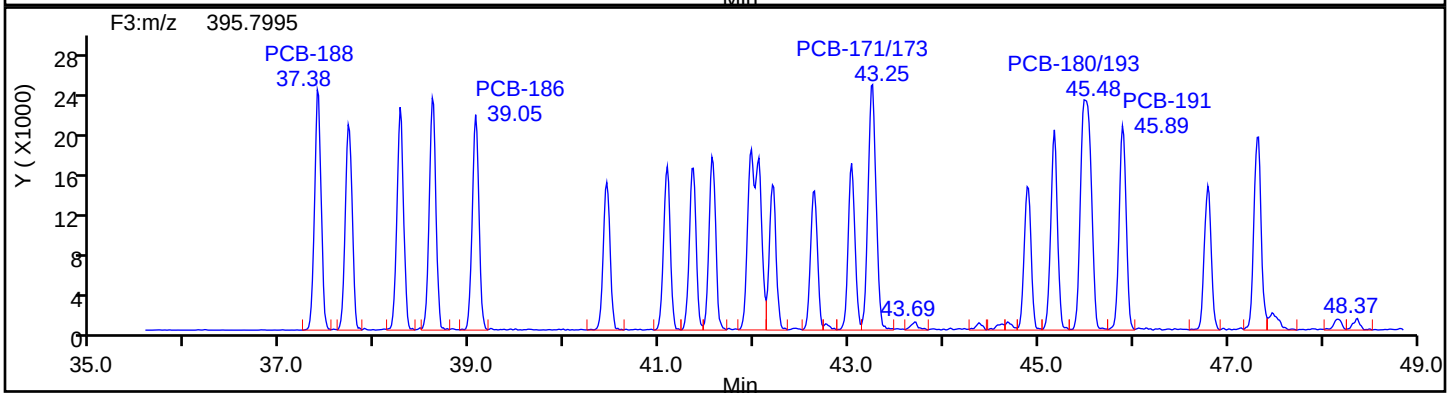
Report Date: 30-Aug-2019 11:37:17 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

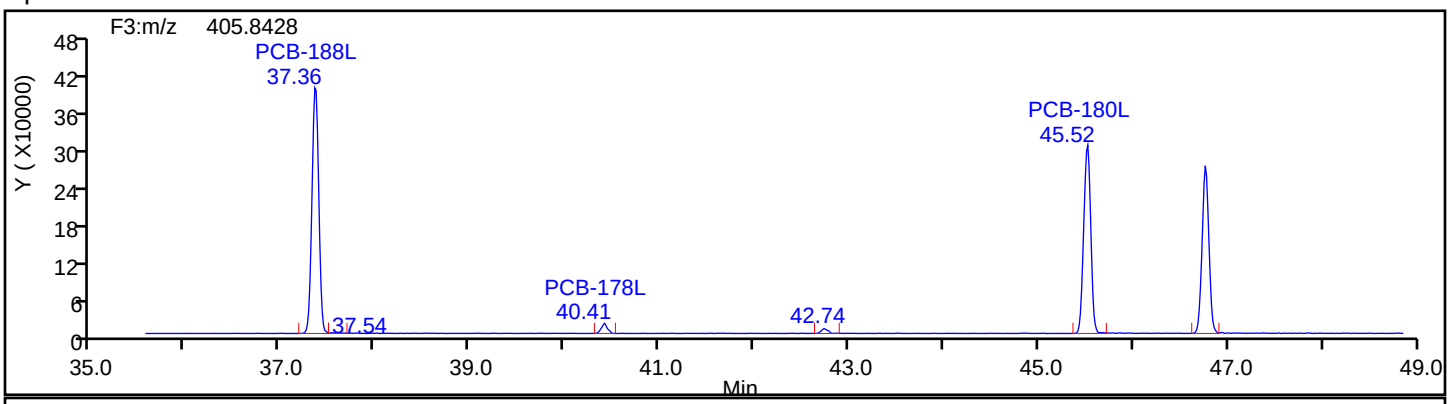
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

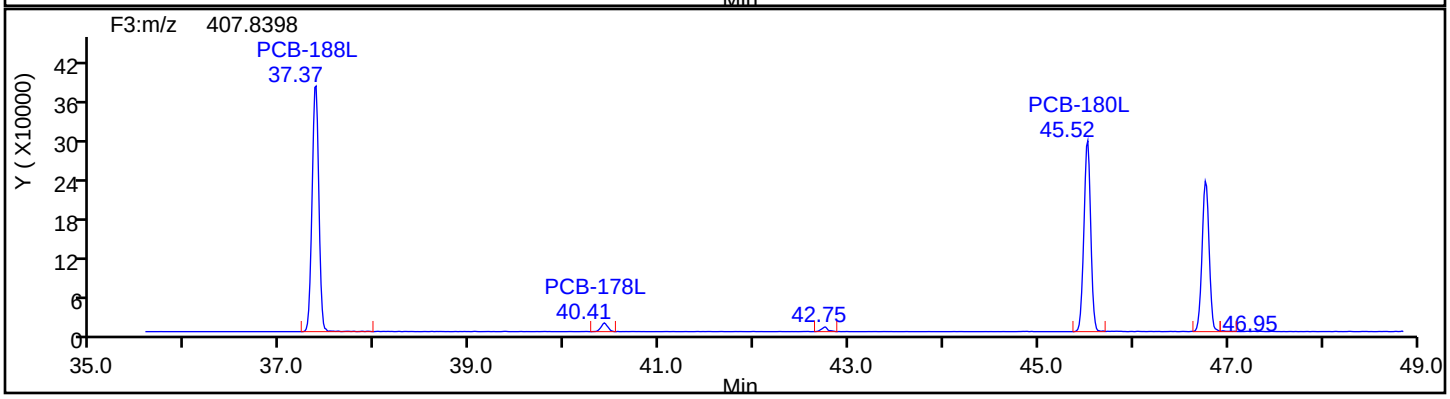
HpPCB F3




HpPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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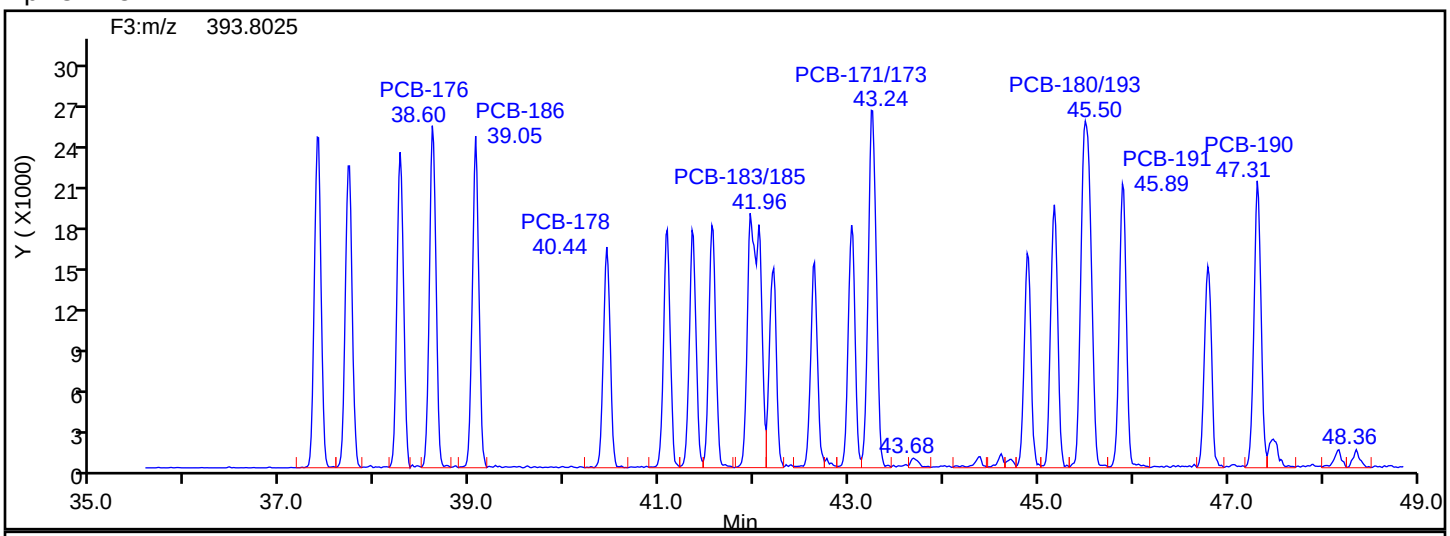
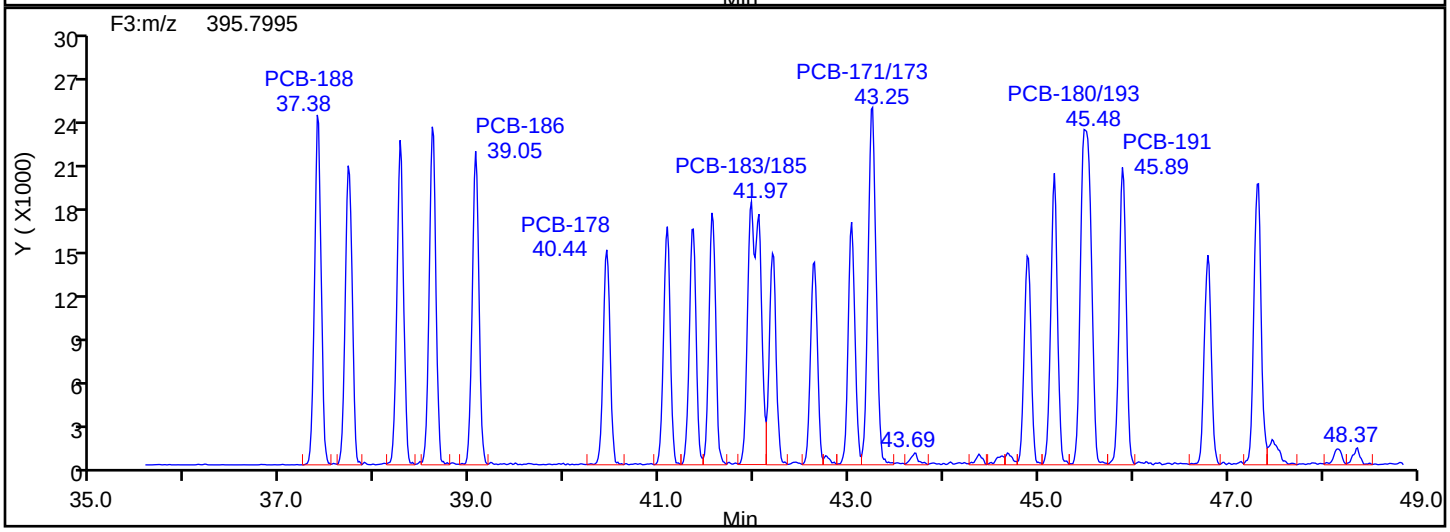
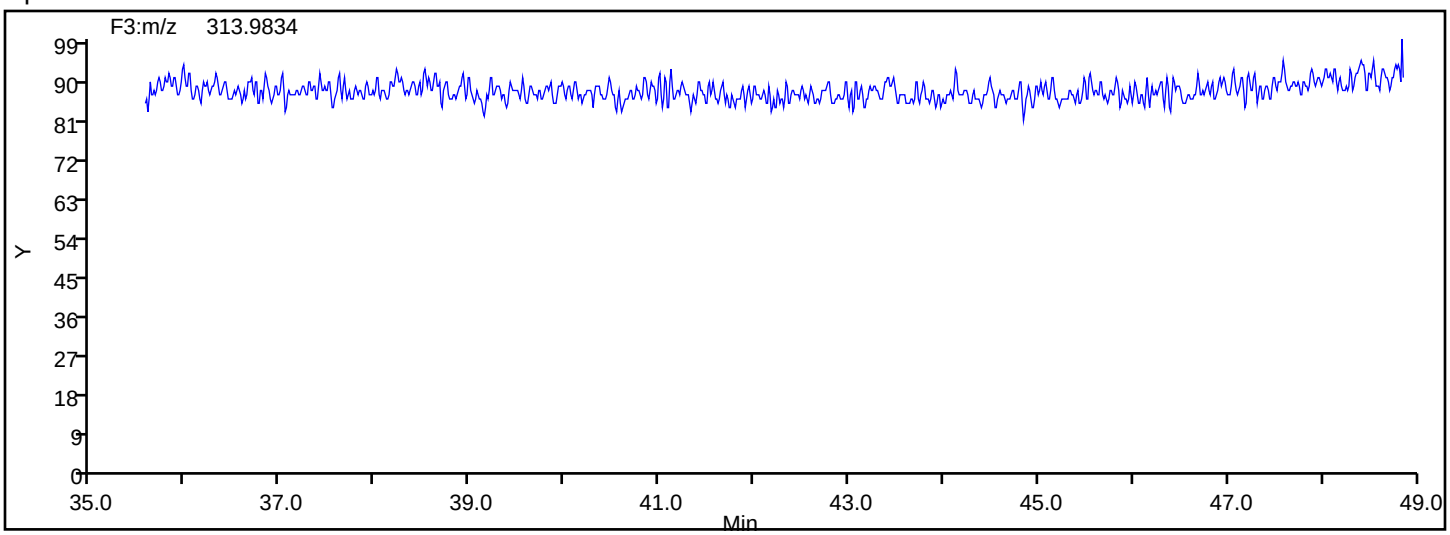
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

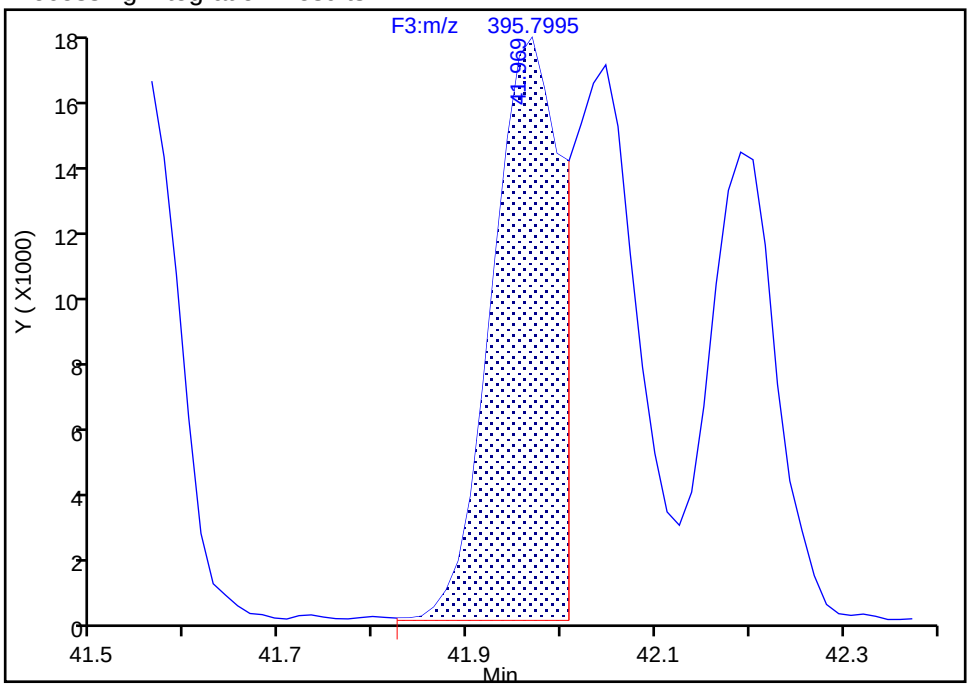
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 2

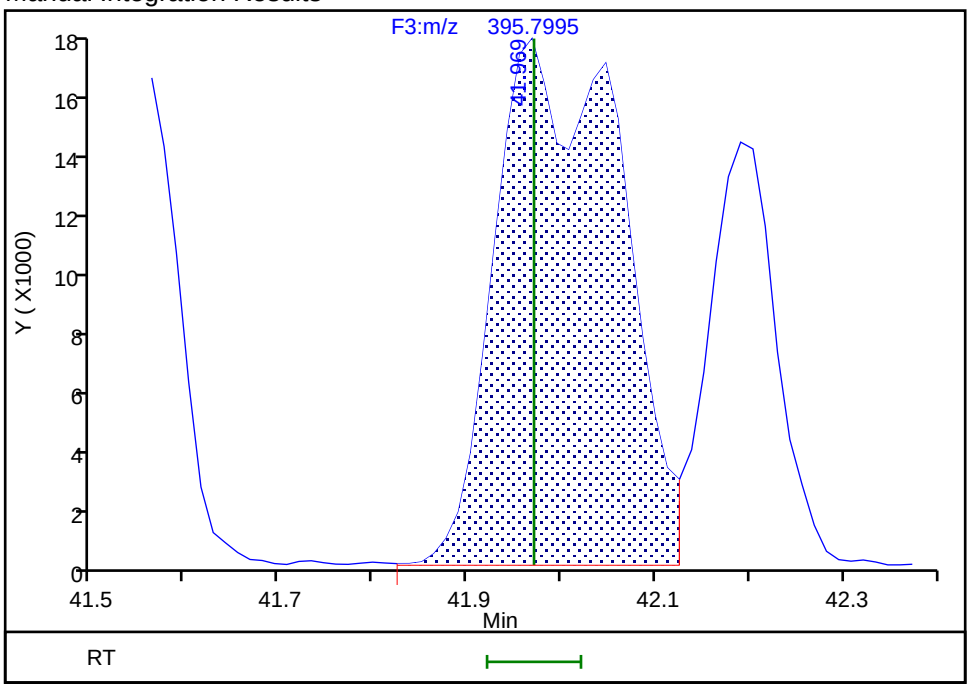
Processing Integration Results

RT: 41.97
Area: 88367
Amount: 6.826250
Amount Units: pg/ul




Manual Integration Results

RT: 41.97
Area: 165973
Amount: 9.375355
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:23:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

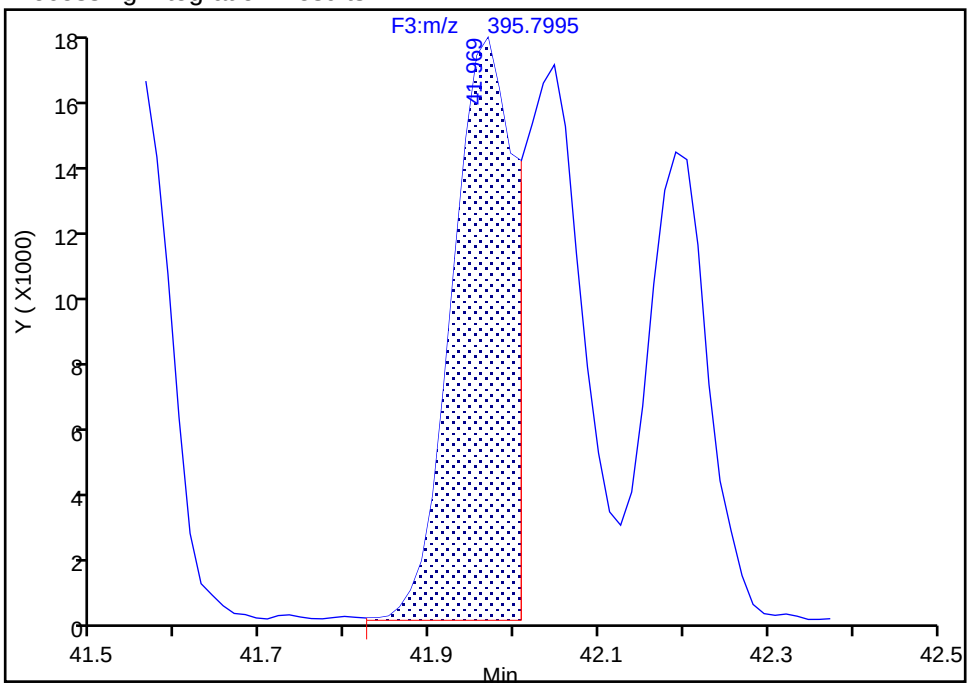
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 3

Processing Integration Results

RT: 41.96
Area: 194542
Amount: 6.826250
Amount Units: pg/ul




Manual Integration Results

RT: 41.96
Area: 342077
Amount: 9.375355
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:23:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

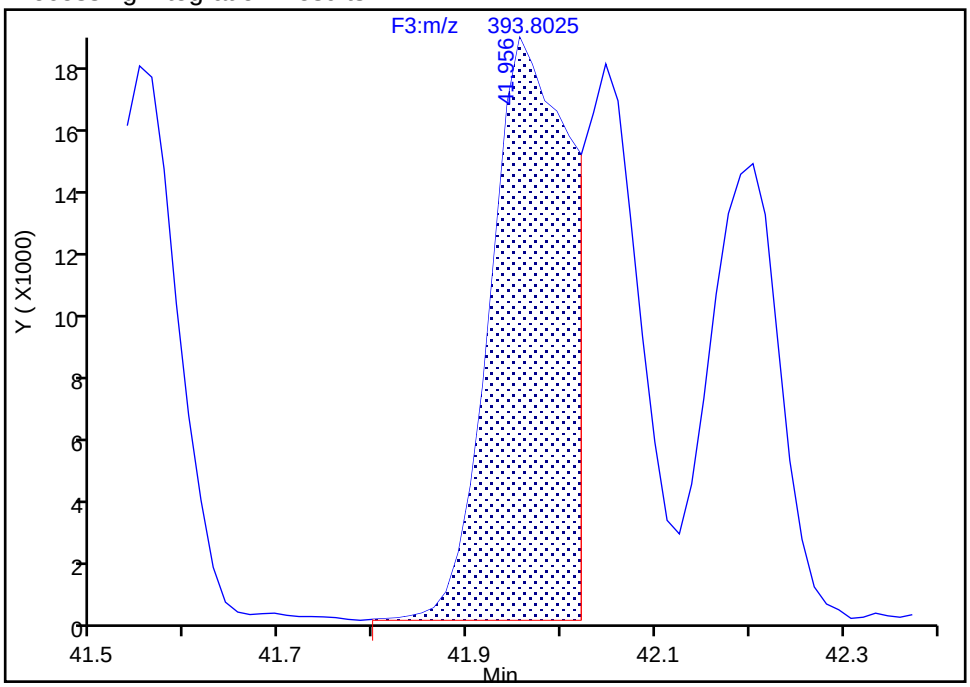
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L3 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 3 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

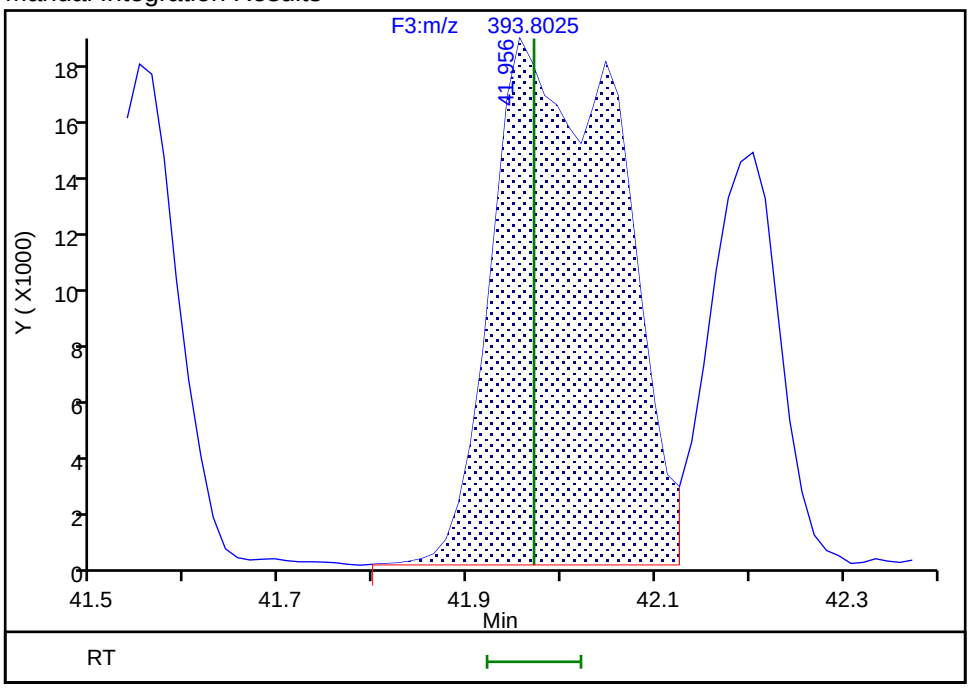
Processing Integration Results

RT: 41.96
Area: 106175
Amount: 6.826250
Amount Units: pg/ul




Manual Integration Results

RT: 41.96
Area: 176104
Amount: 9.375355
Amount Units: pg/ul



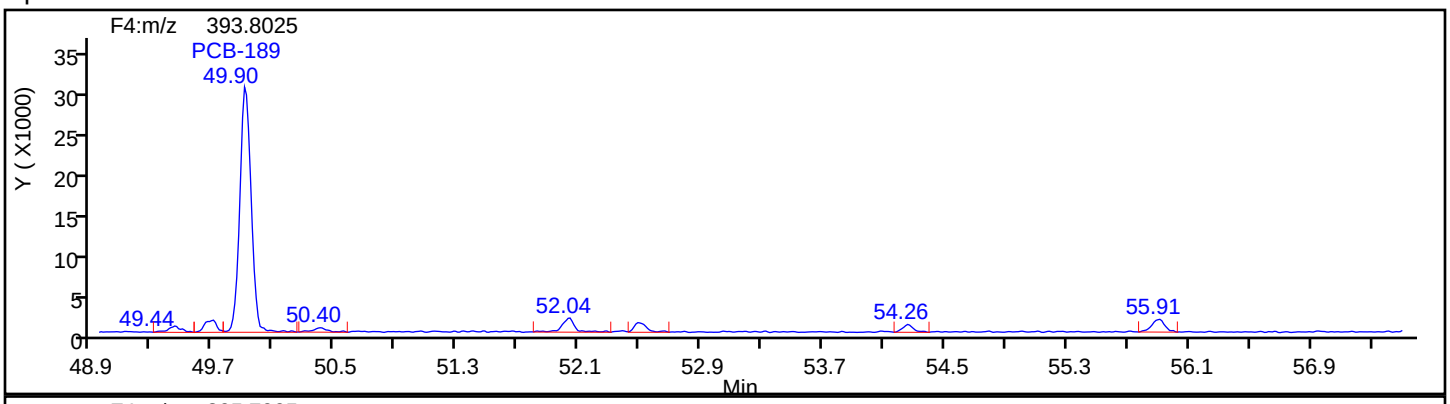

Reviewer: mcwhirterl, 21-Aug-2019 20:23:46

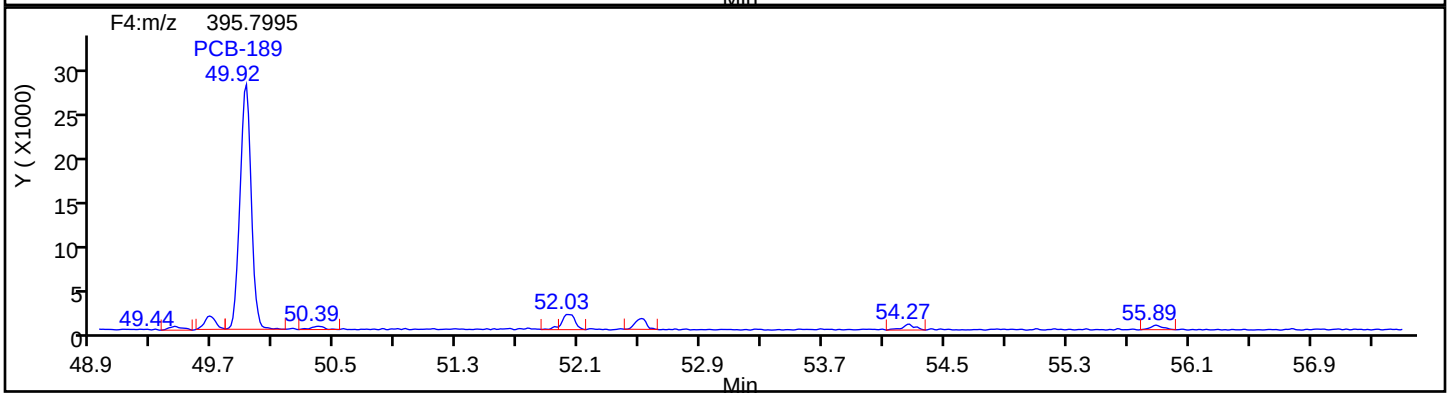
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

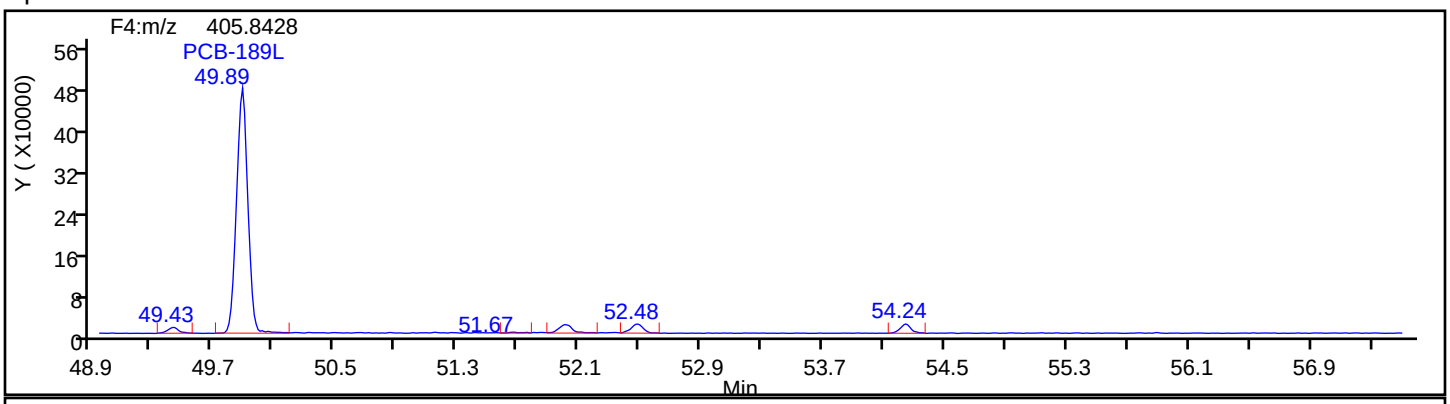
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

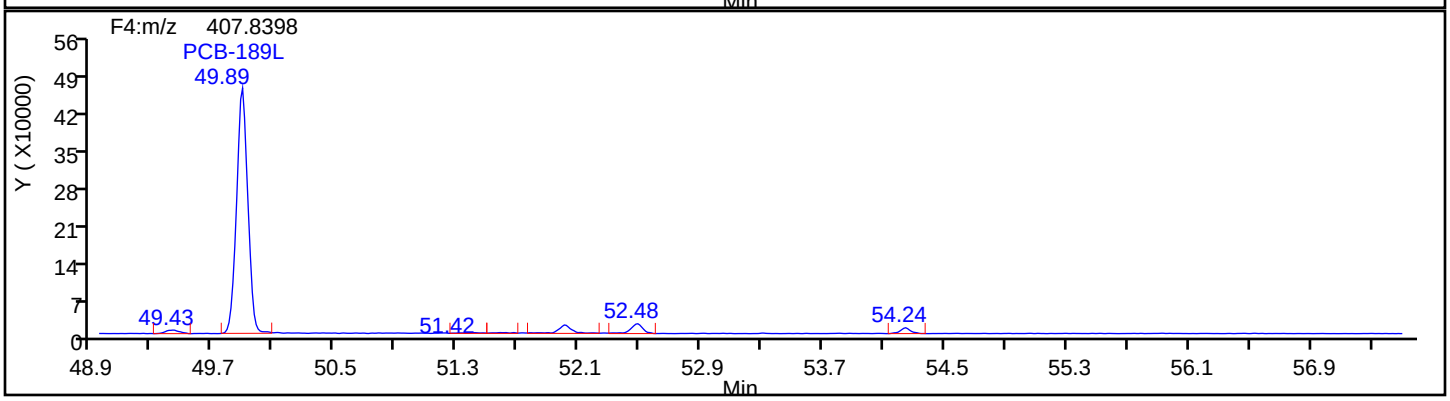
HpPCB F4




HpPCB F4 Standards

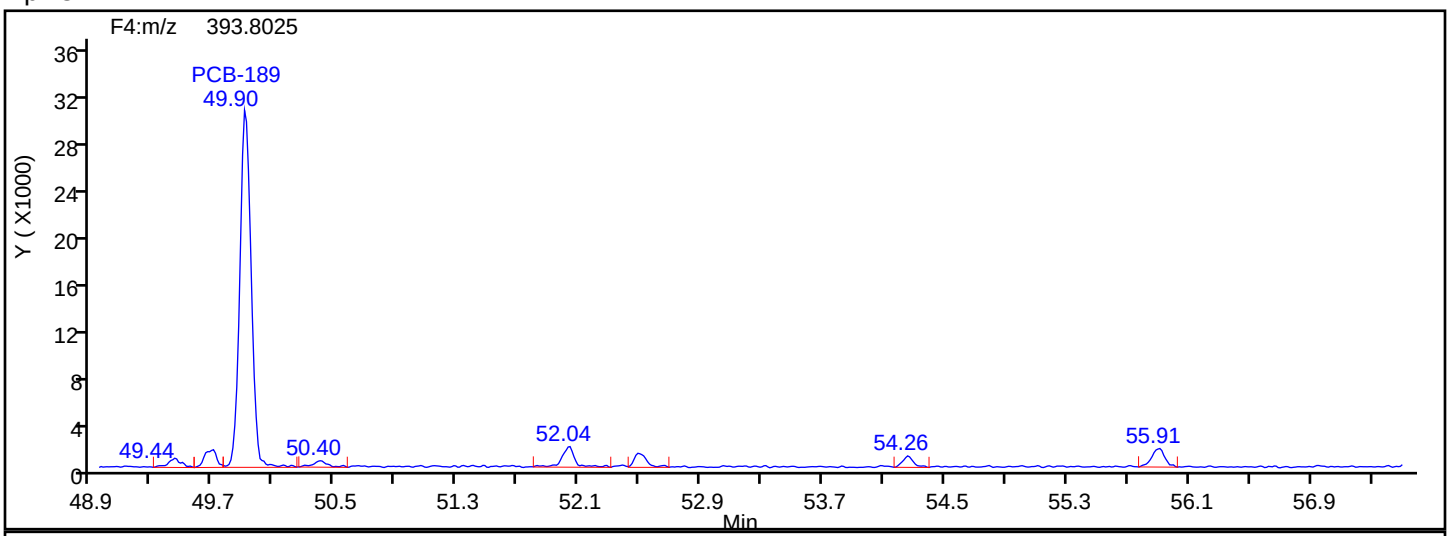


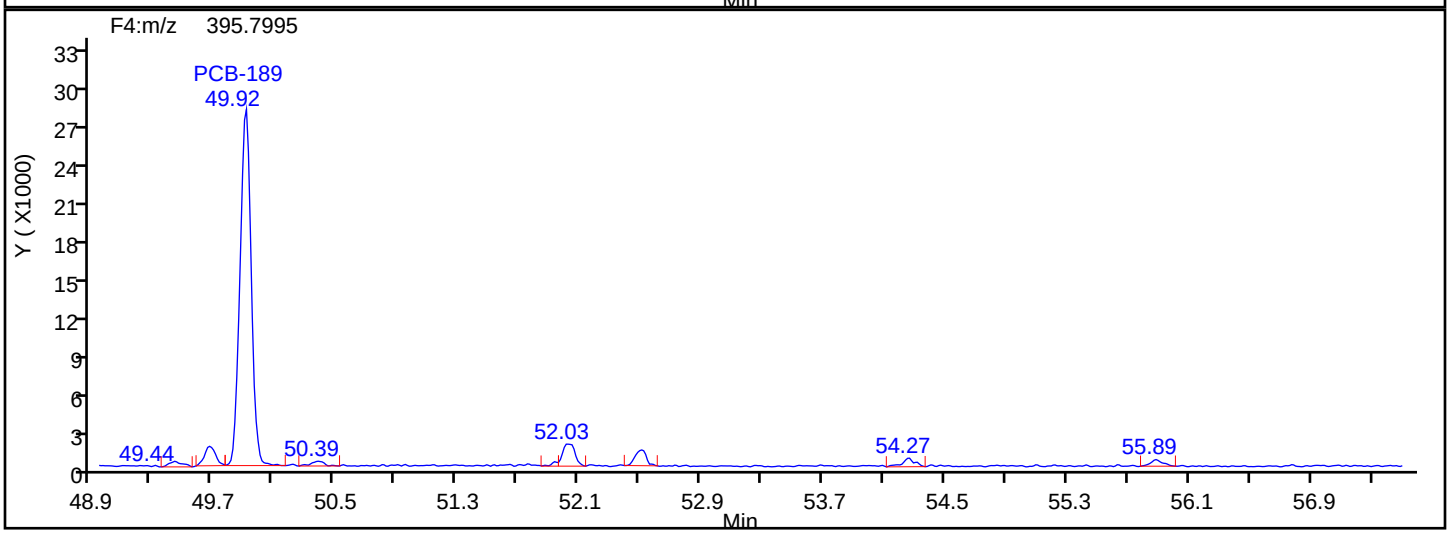



Eurofins TestAmerica, Knoxville

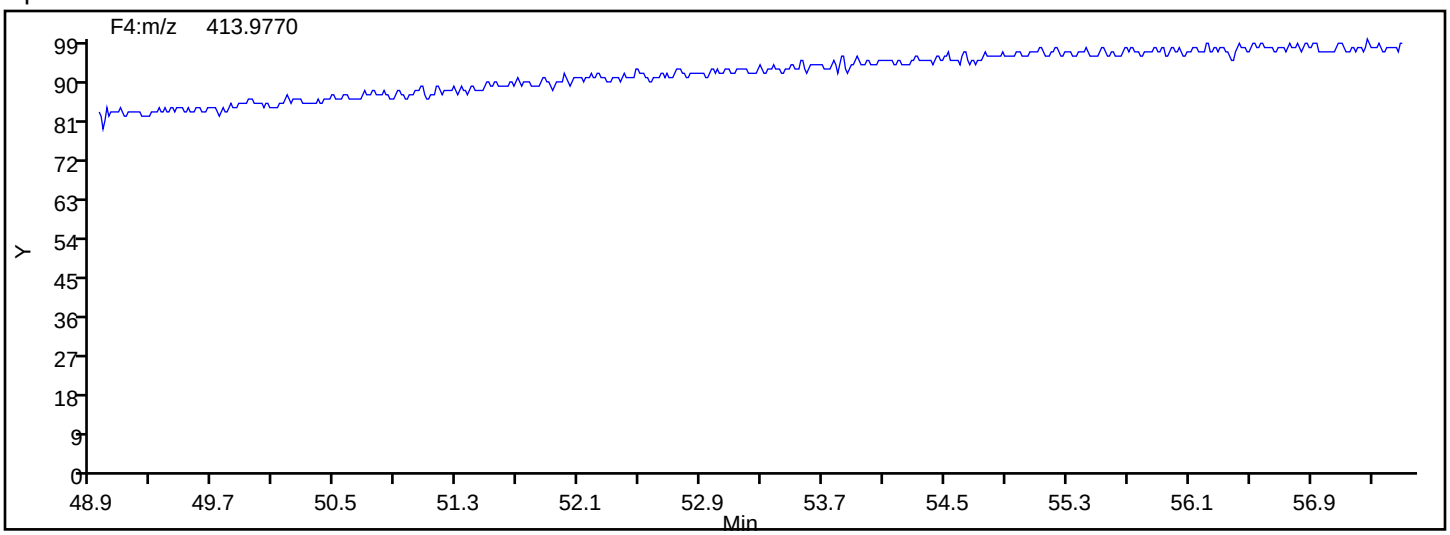
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



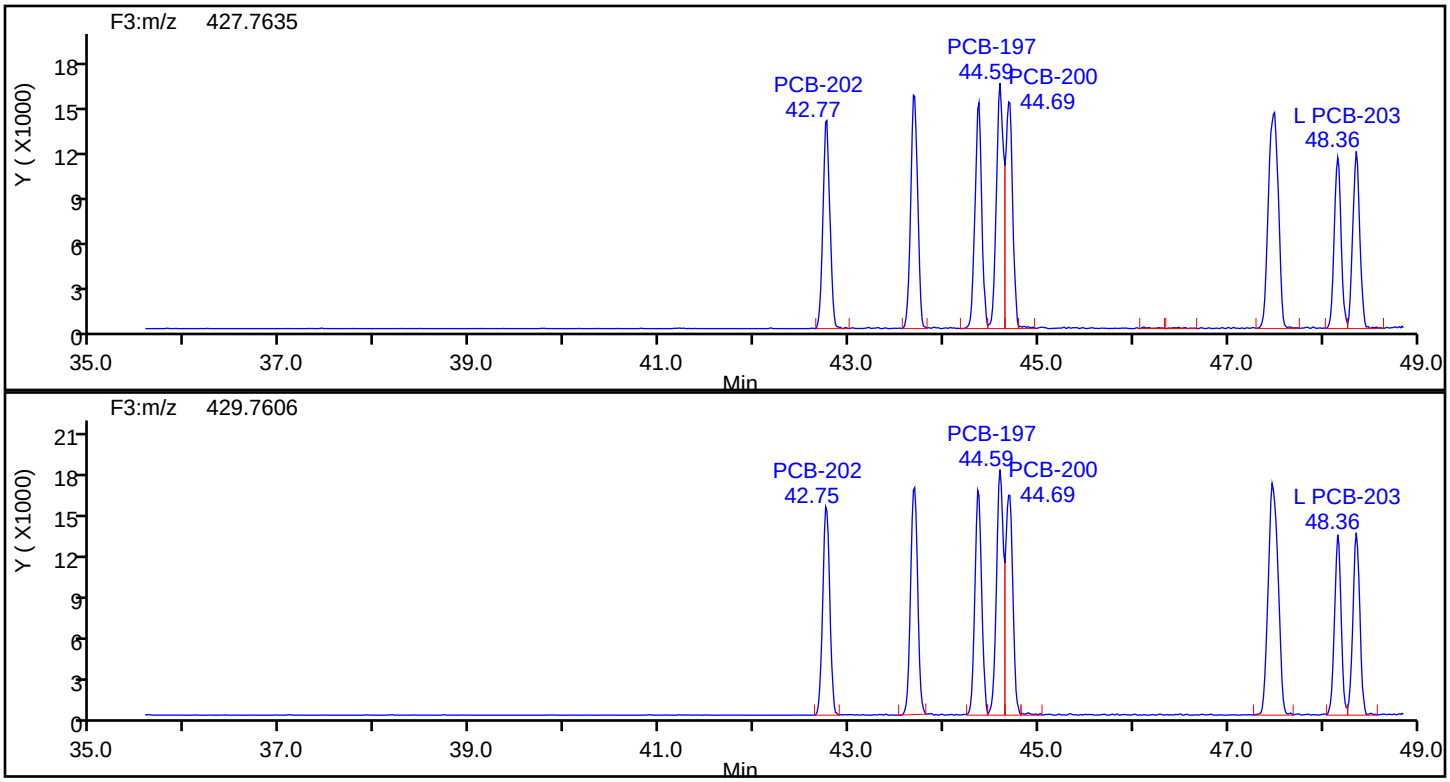

HpPCB F4 Lock Mass



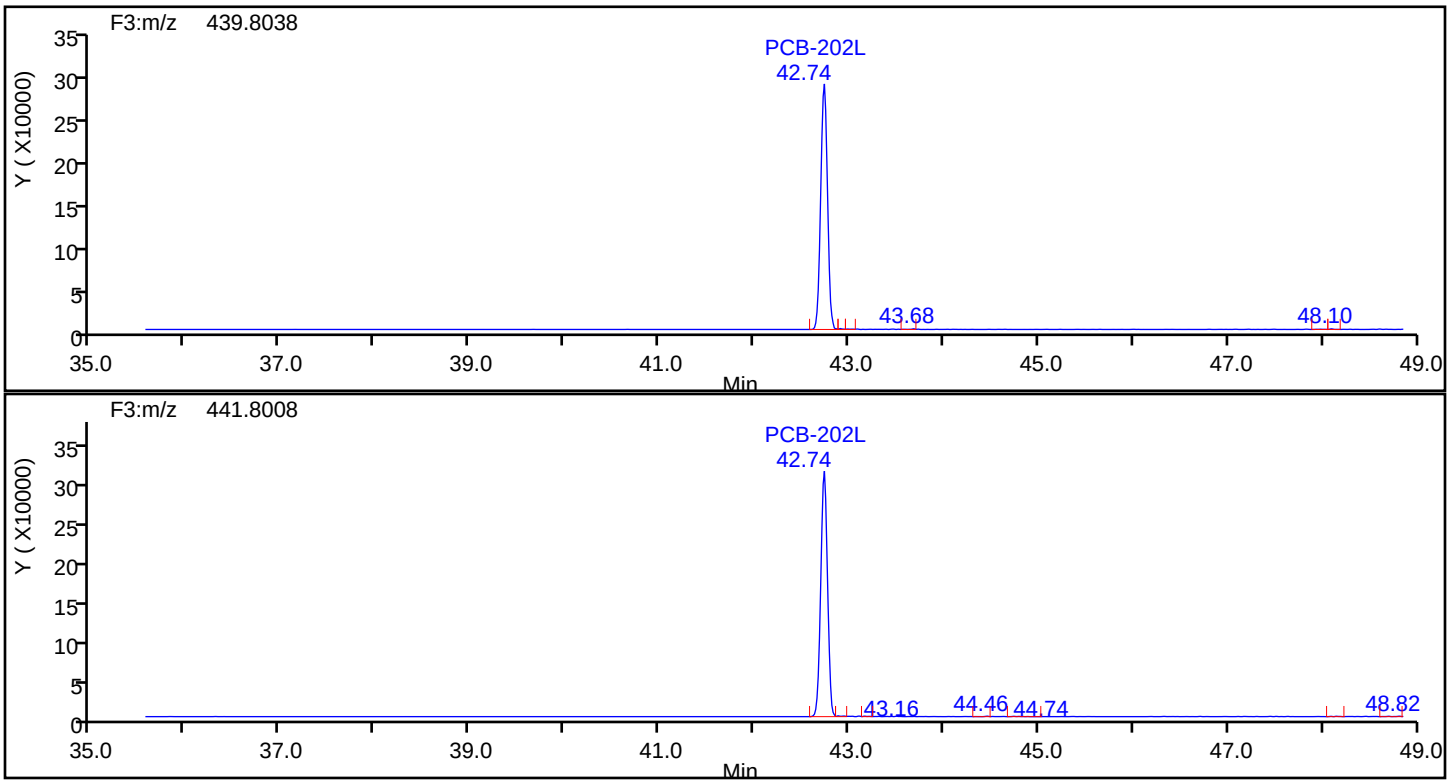
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



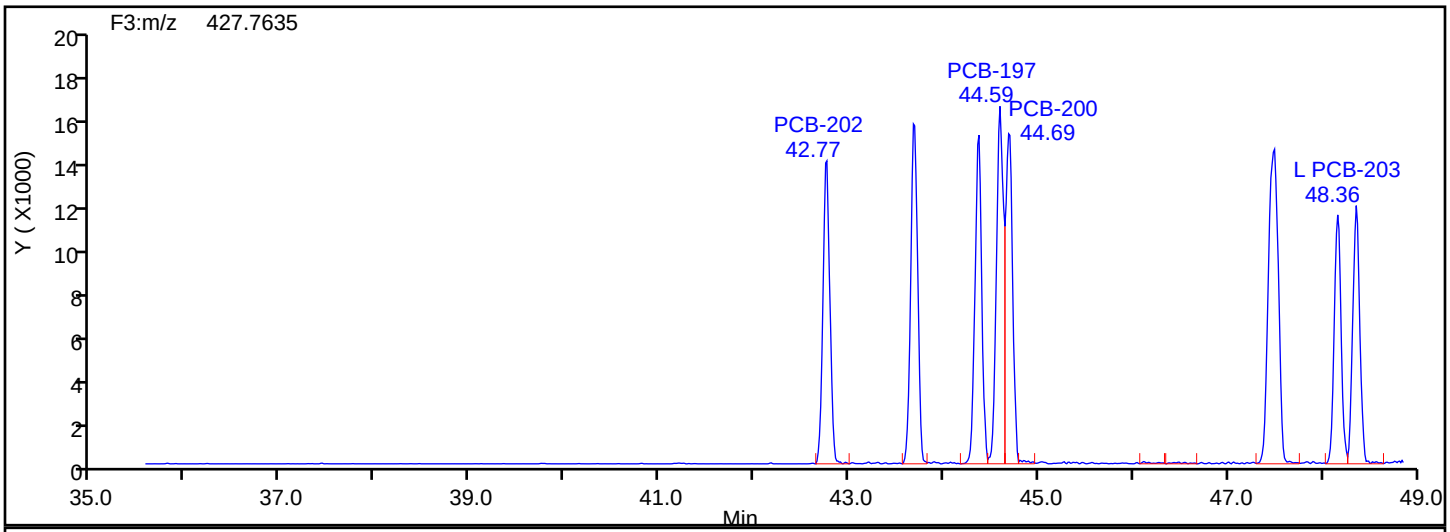

OcPCB F3 Standards

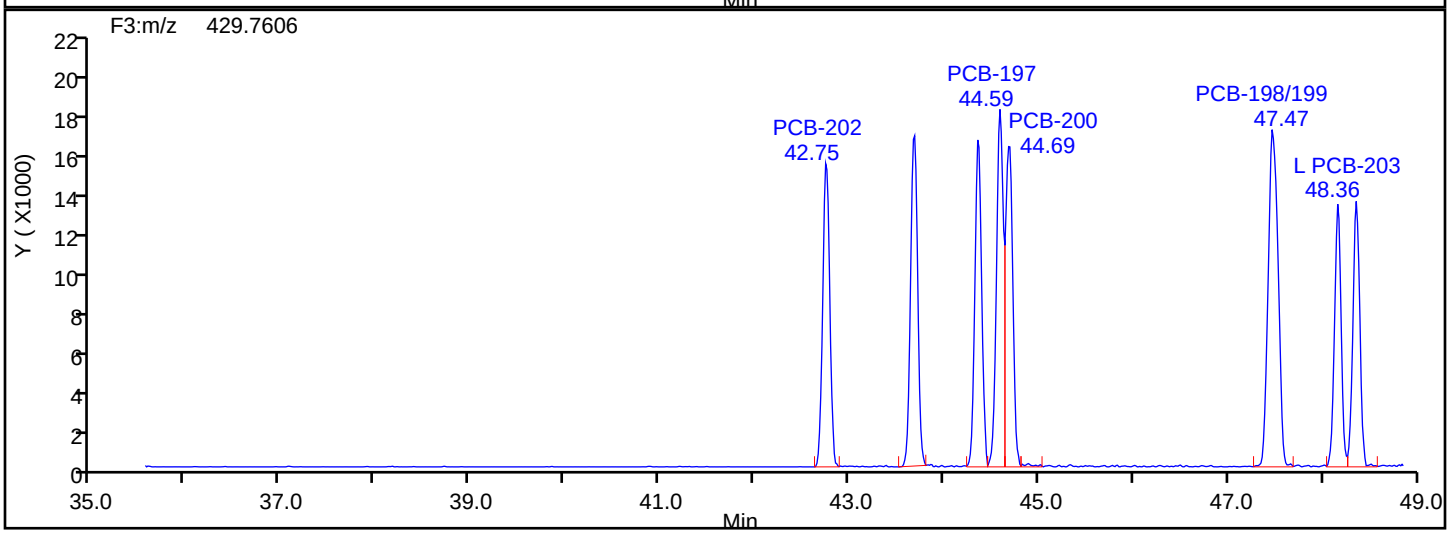


Eurofins TestAmerica, Knoxville

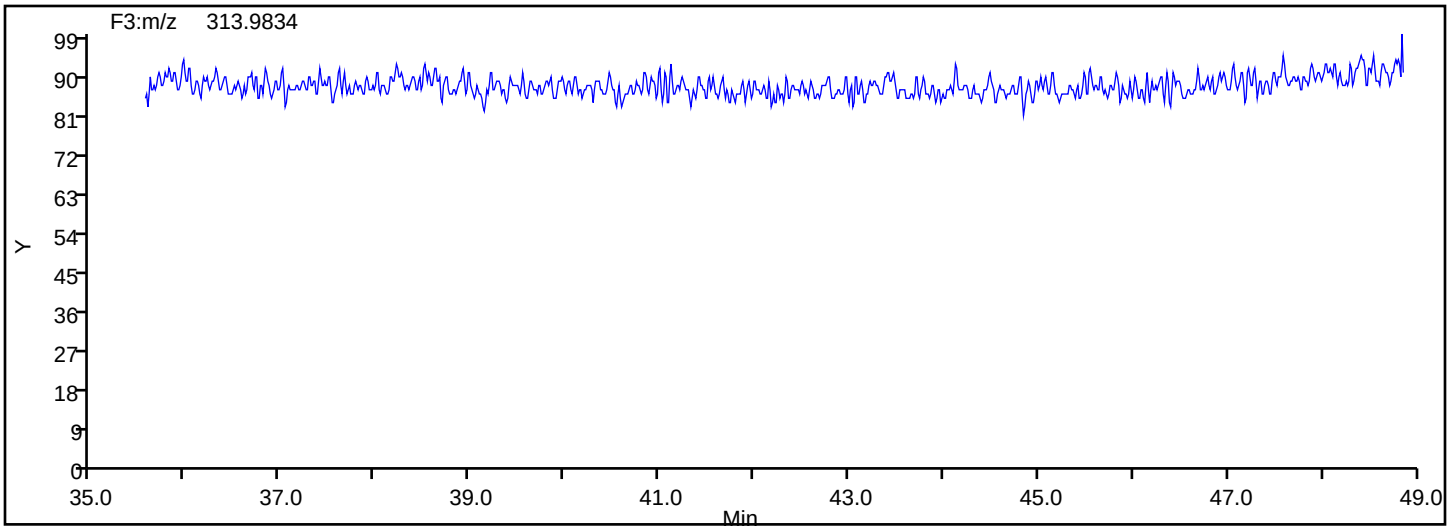
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



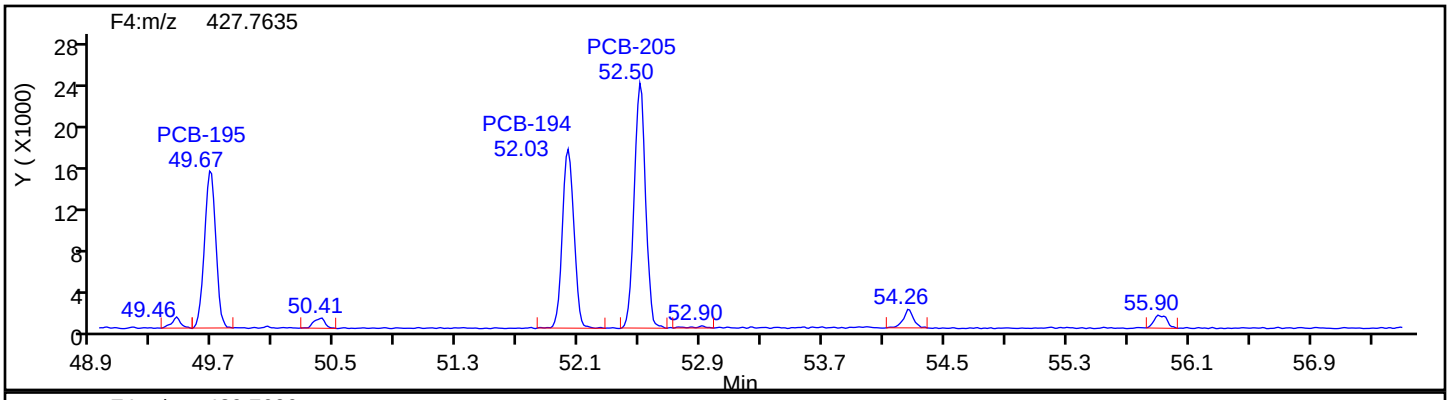

OcPCB F3 Lock Mass

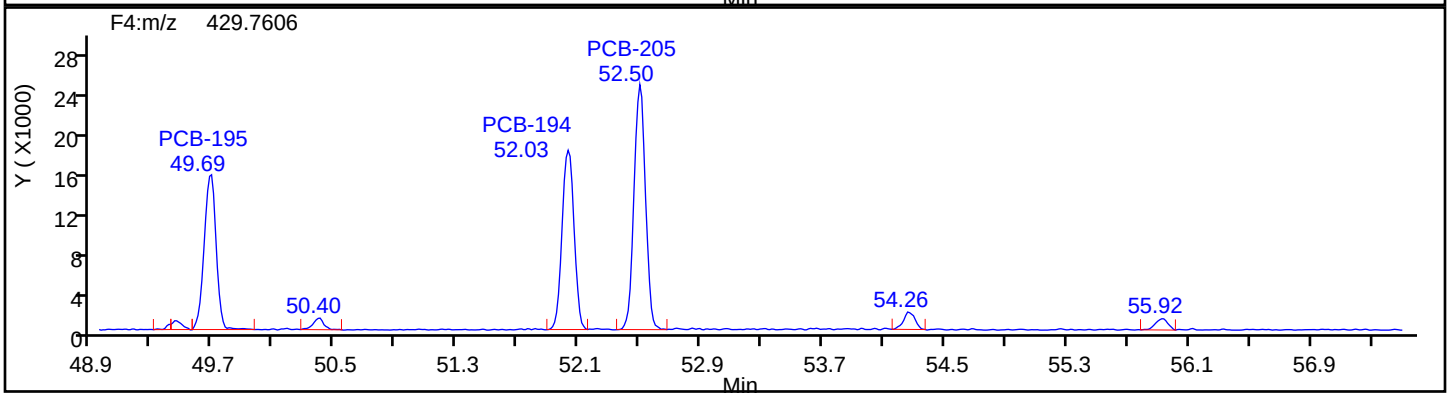


Eurofins TestAmerica, Knoxville

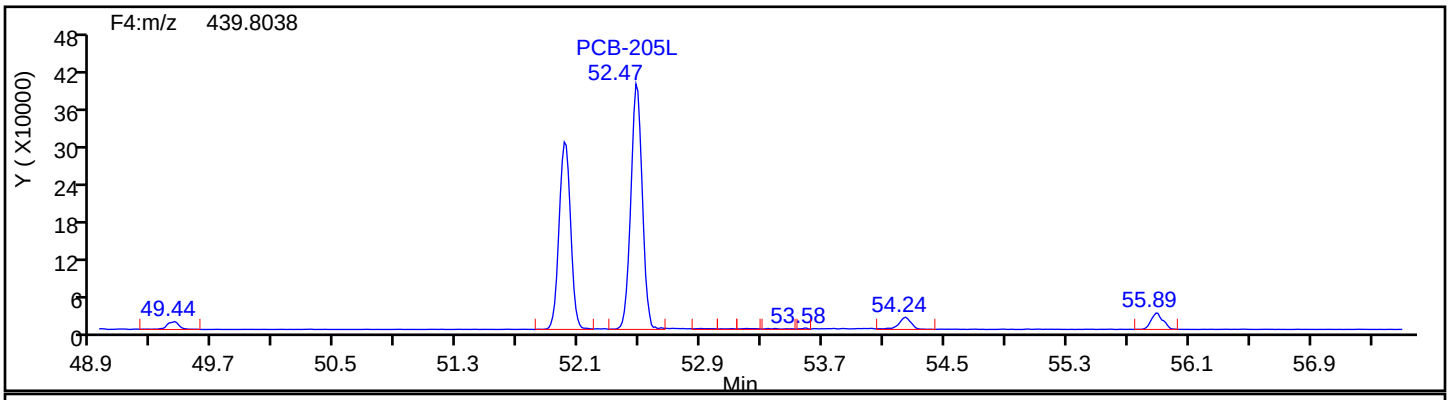
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

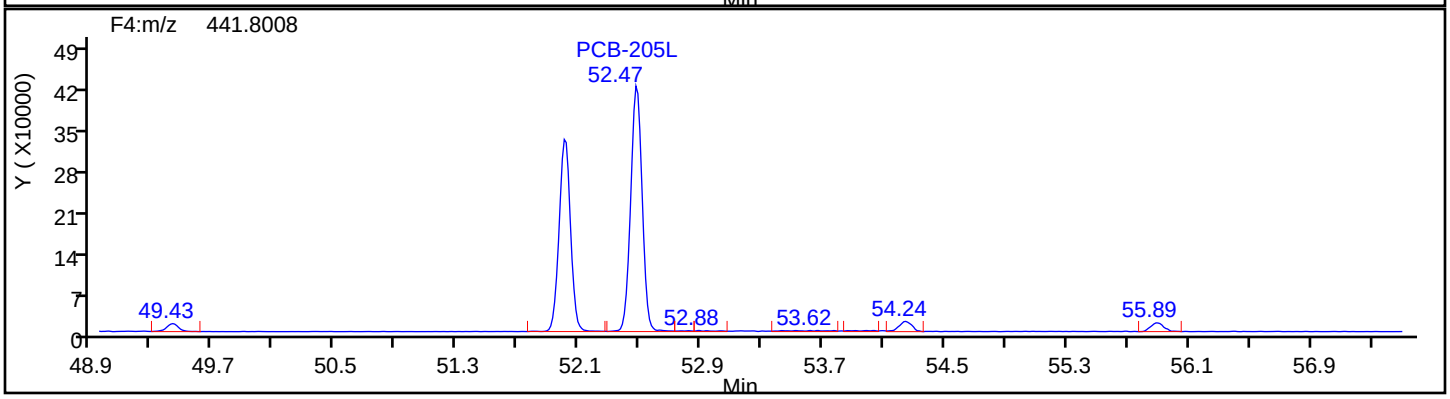
OcPCB F4




OcPCB F4 Standards

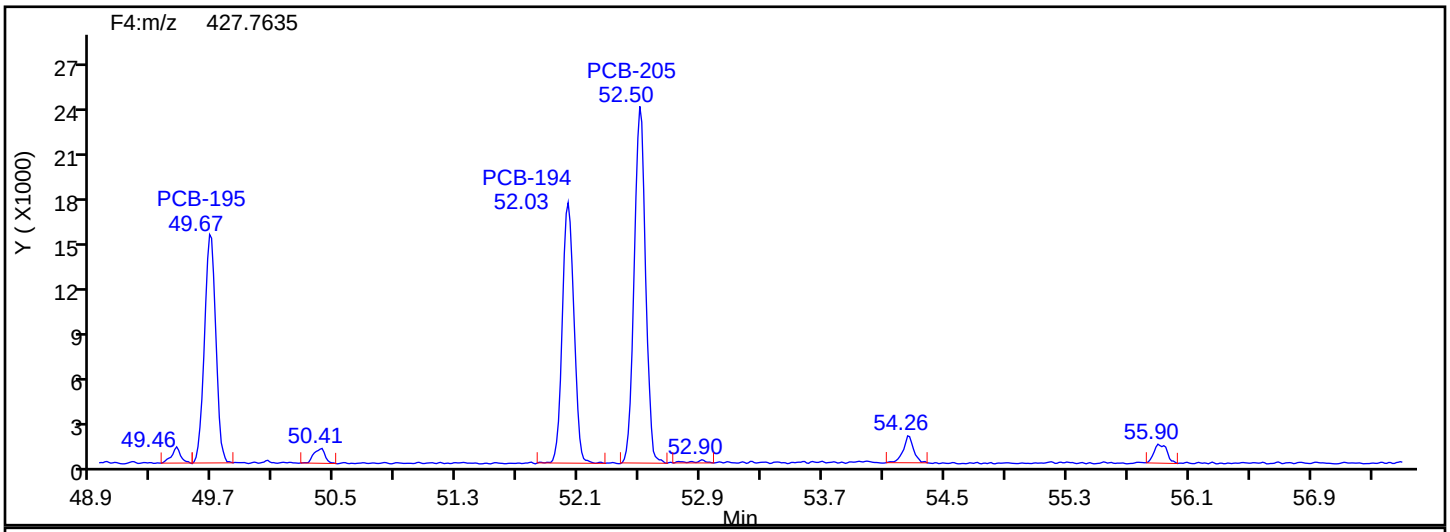


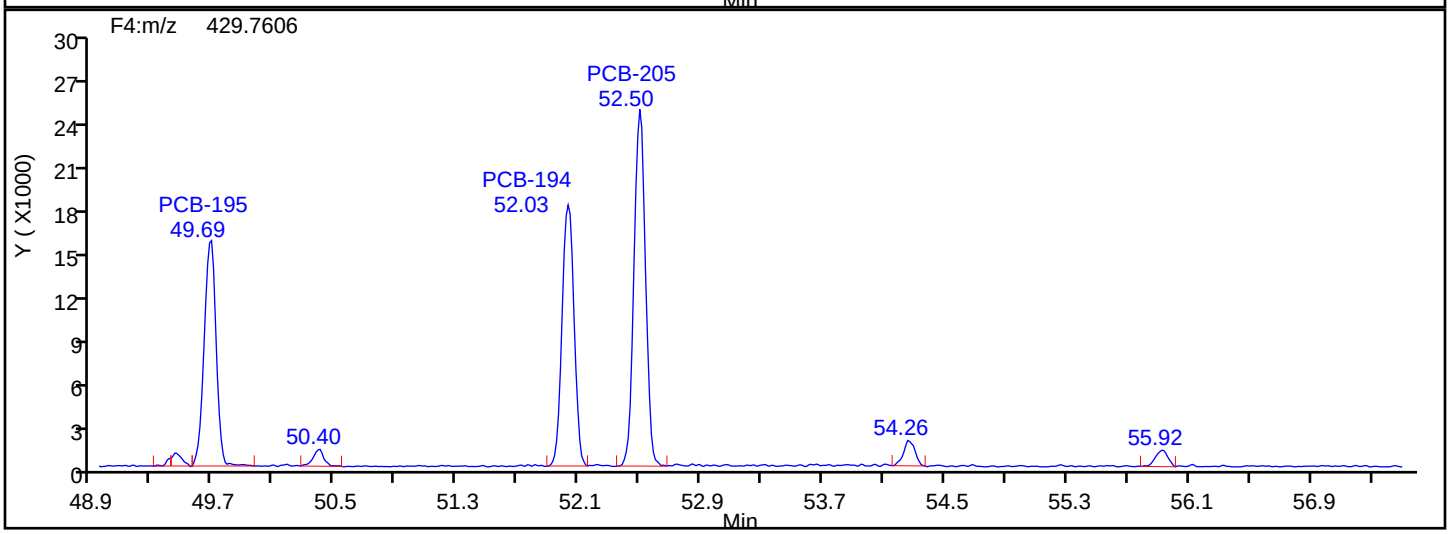



Eurofins TestAmerica, Knoxville

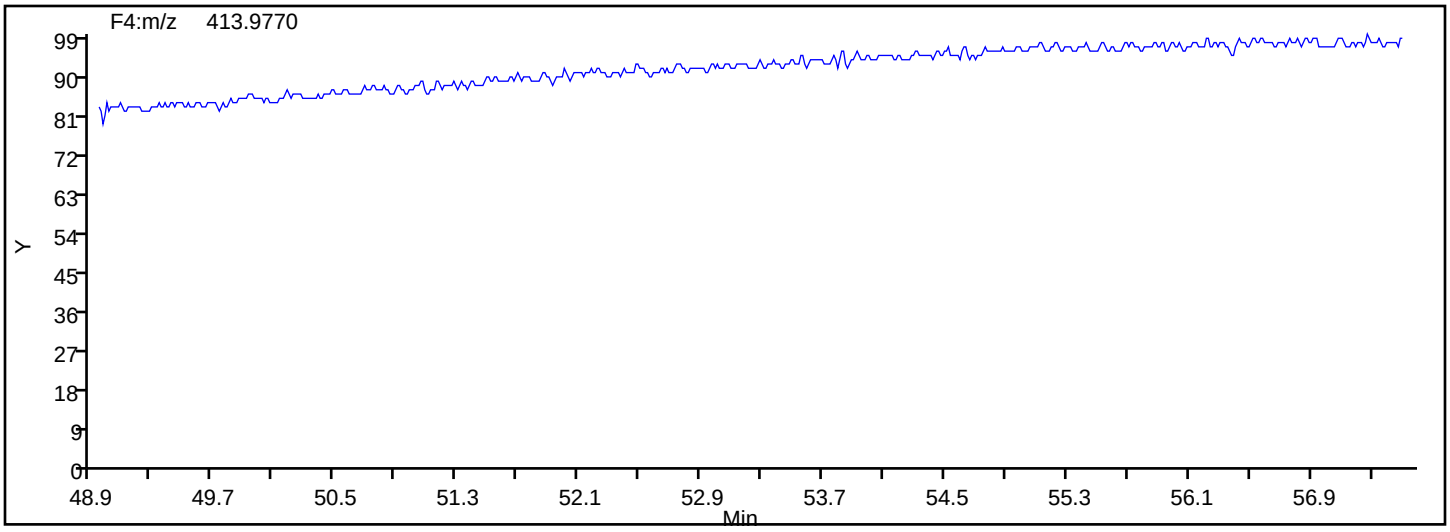
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

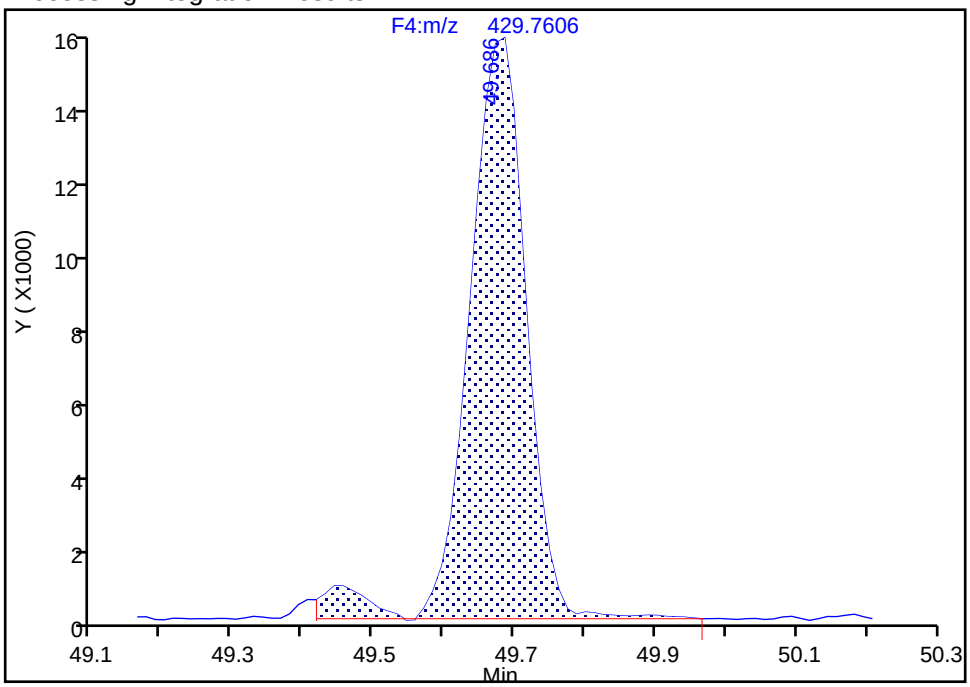
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-195, CAS: 52663-78-2

Signal: 2

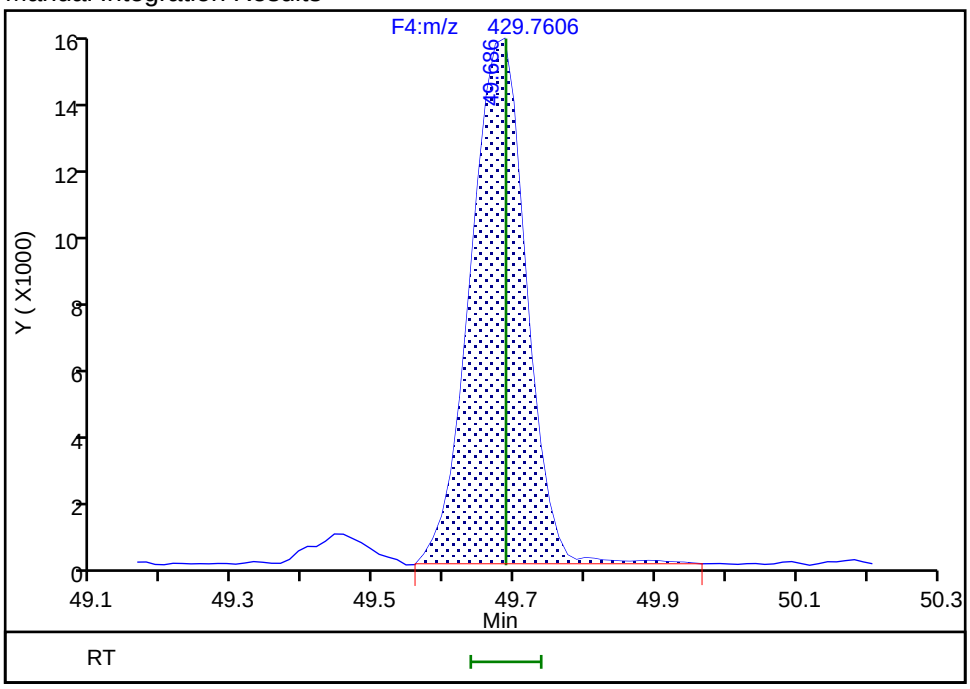
Processing Integration Results

RT: 49.69
Area: 89752
Amount: 5.041687
Amount Units: pg/ul




Manual Integration Results

RT: 49.69
Area: 85861
Amount: 4.868964
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:24:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

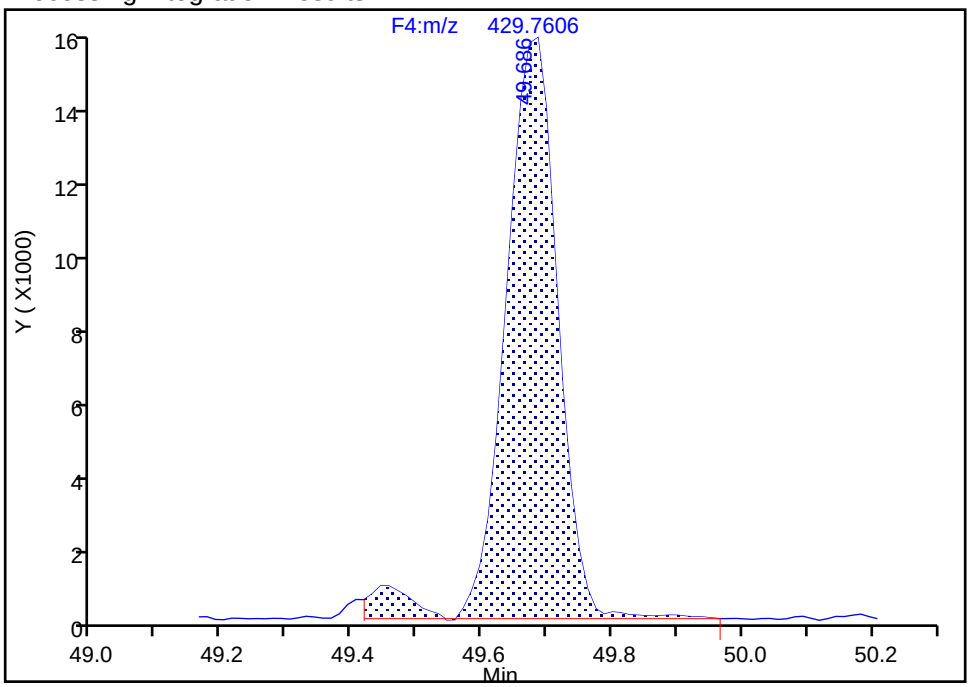
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-195, CAS: 52663-78-2

Signal: 3

Processing Integration Results

RT: 49.67
Area: 171295
Amount: 5.041687
Amount Units: pg/ul




Manual Integration Results

RT: 49.67
Area: 163167
Amount: 4.868964
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:24:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

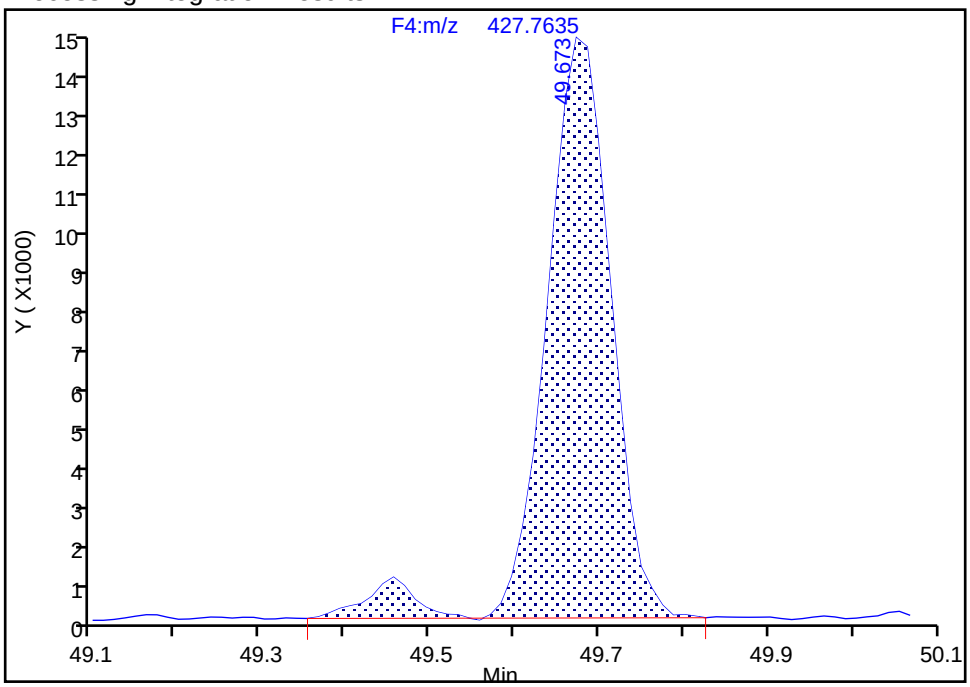
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-195, CAS: 52663-78-2

Signal: 1

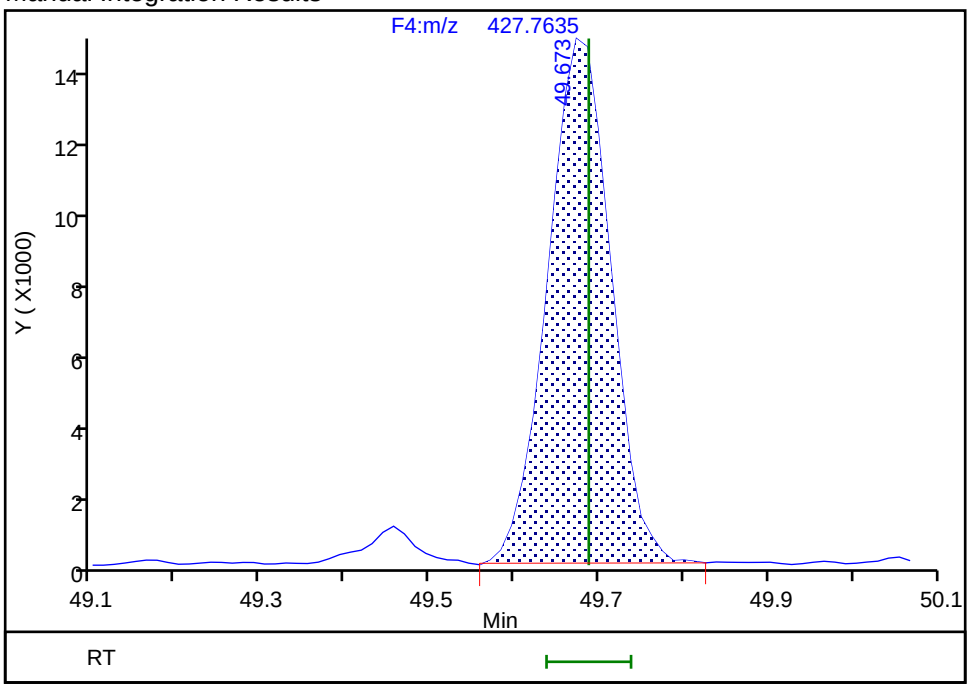
Processing Integration Results

RT: 49.67
Area: 81543
Amount: 5.041687
Amount Units: pg/ul




Manual Integration Results

RT: 49.67
Area: 77306
Amount: 4.868964
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:24:15
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

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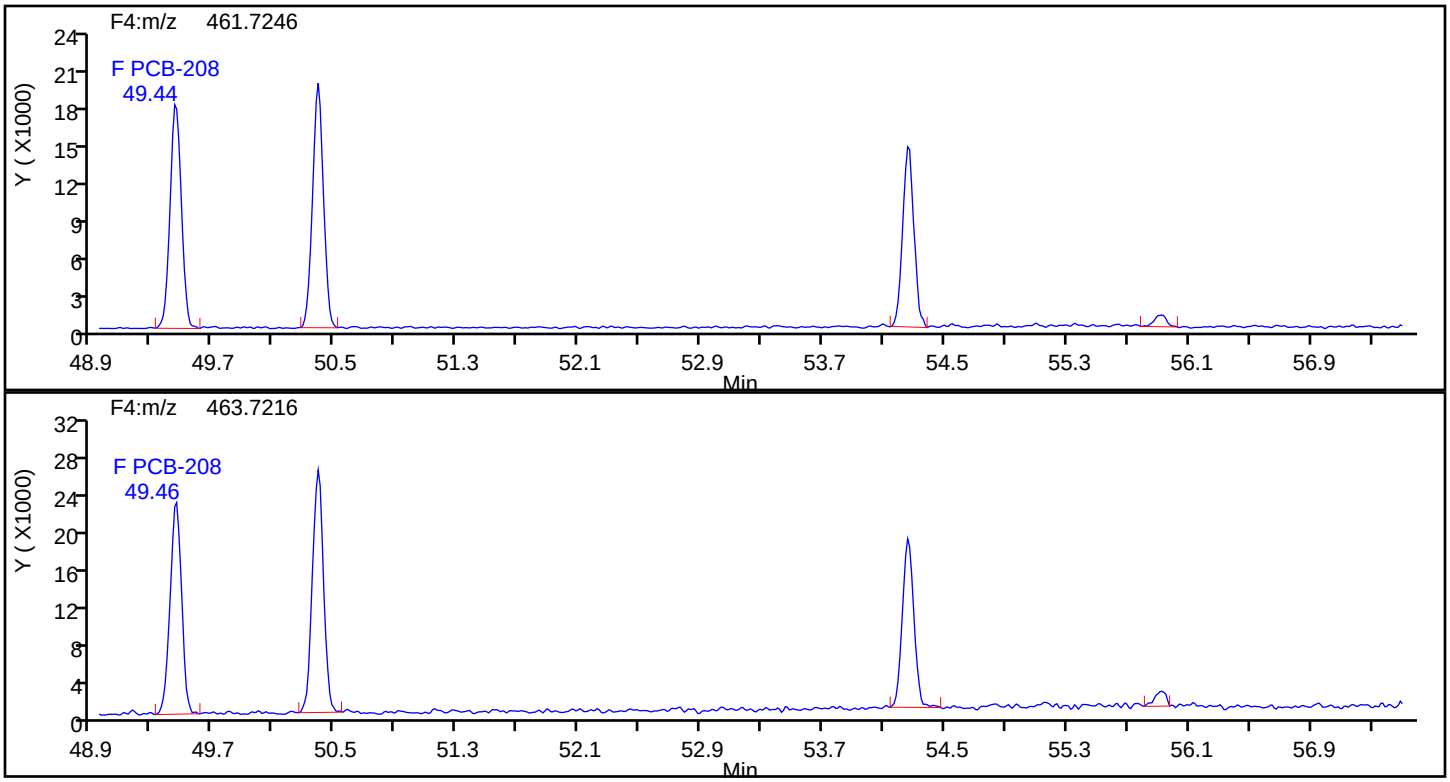
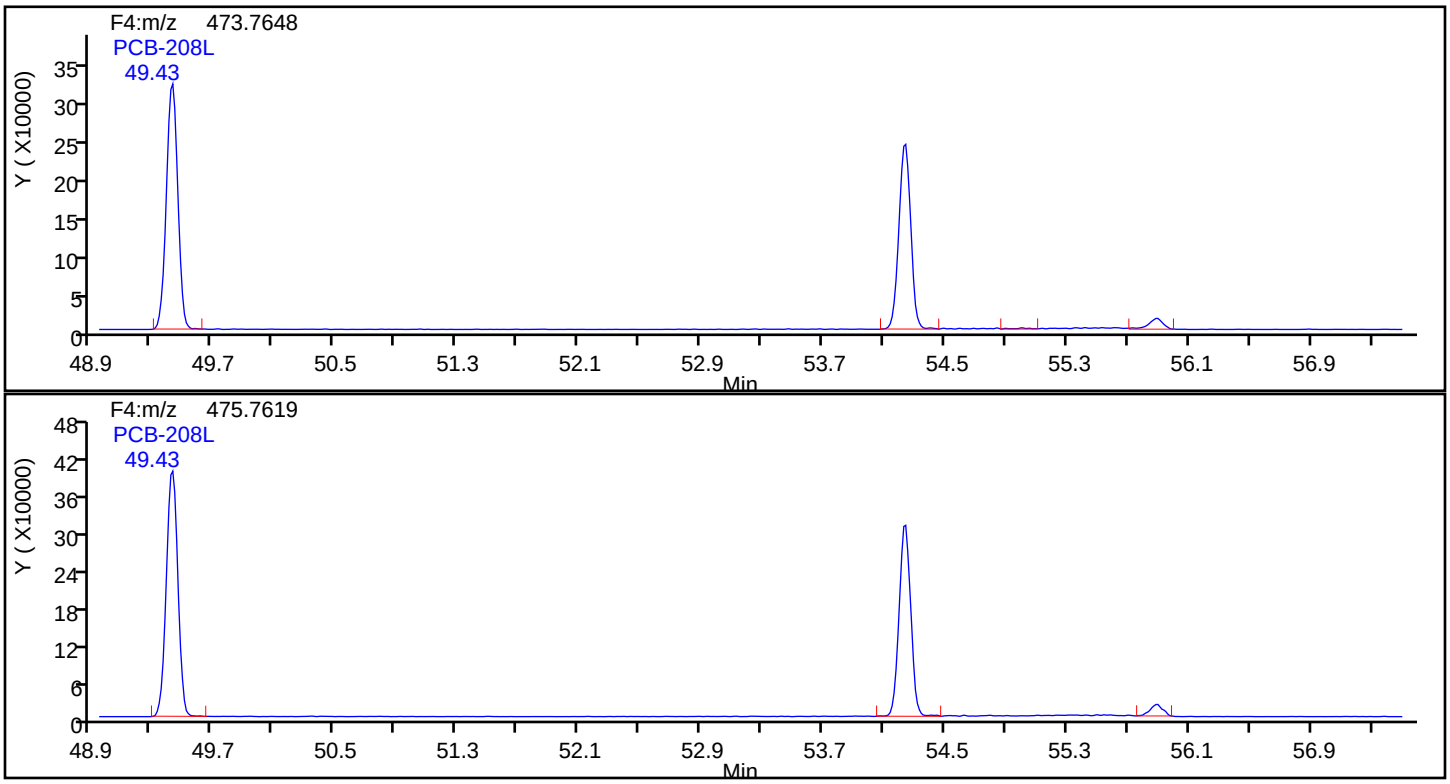
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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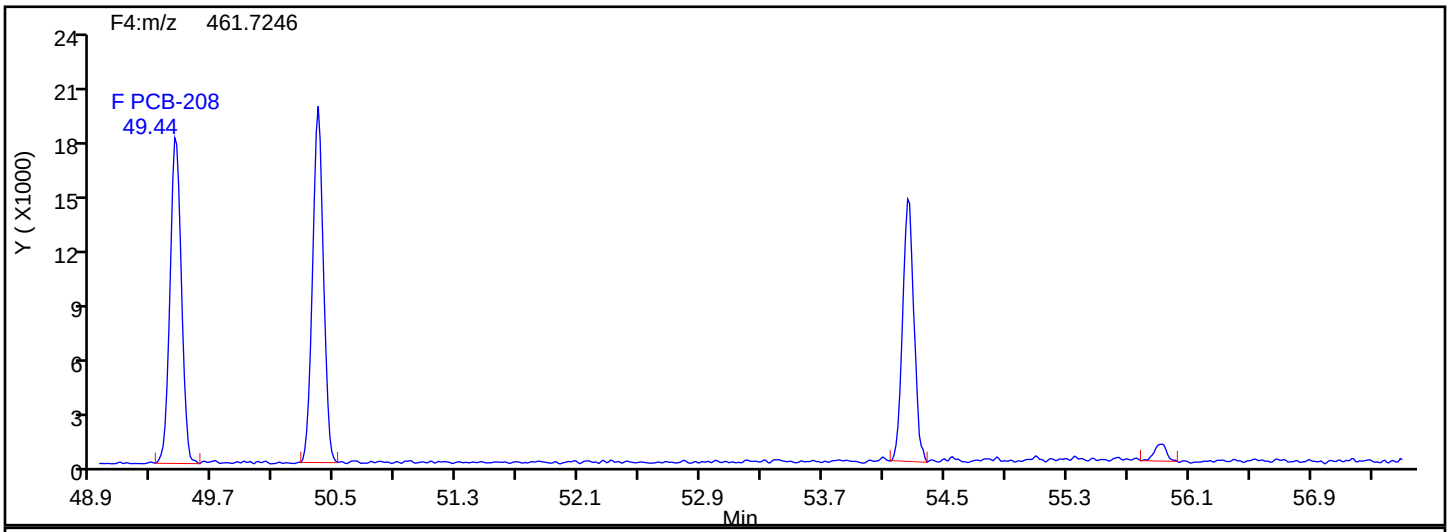
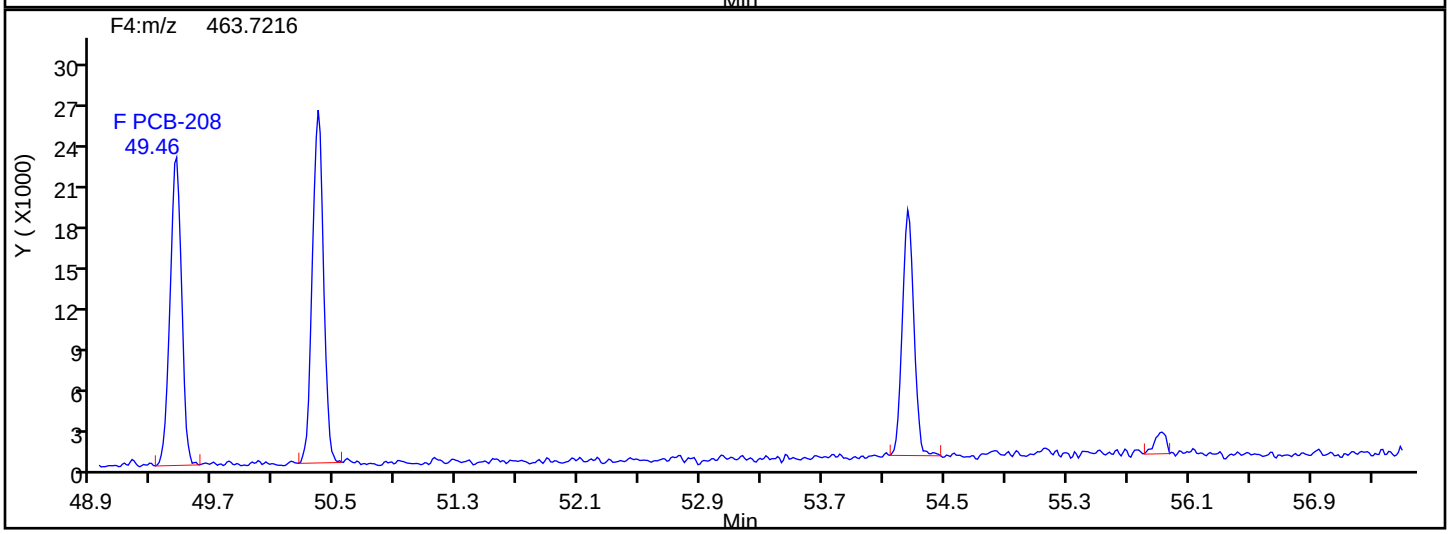
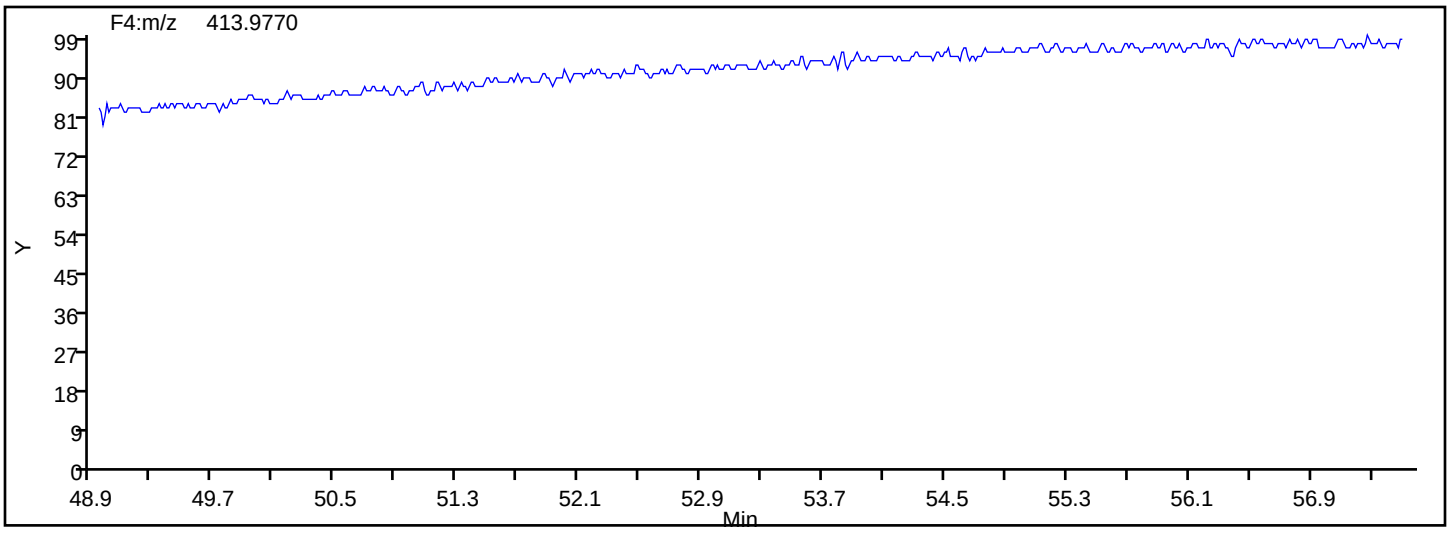
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

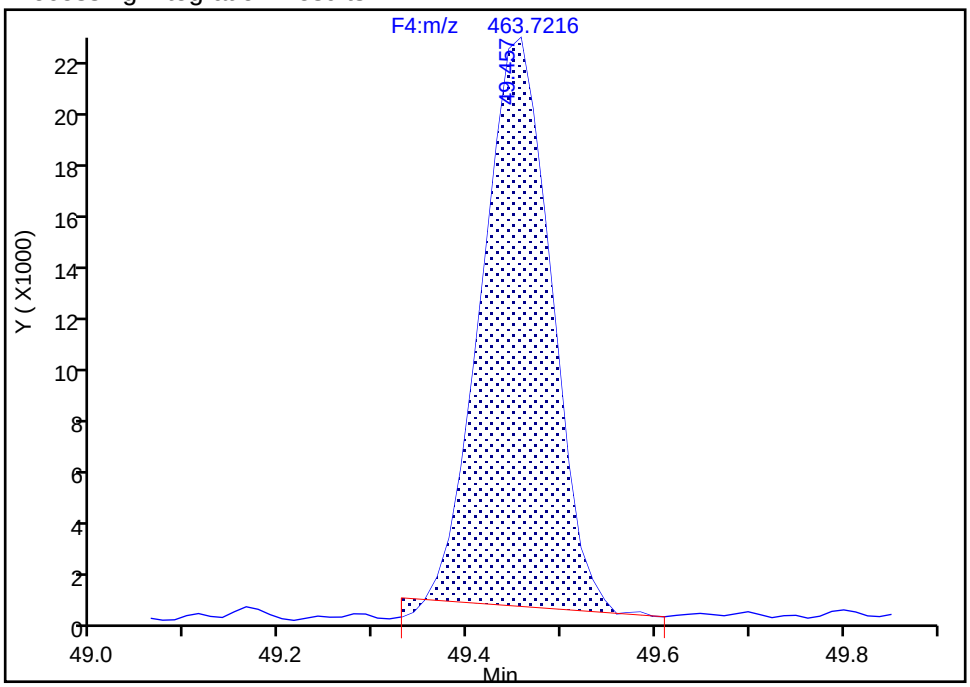
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-208, CAS: 52663-77-1

Signal: 2

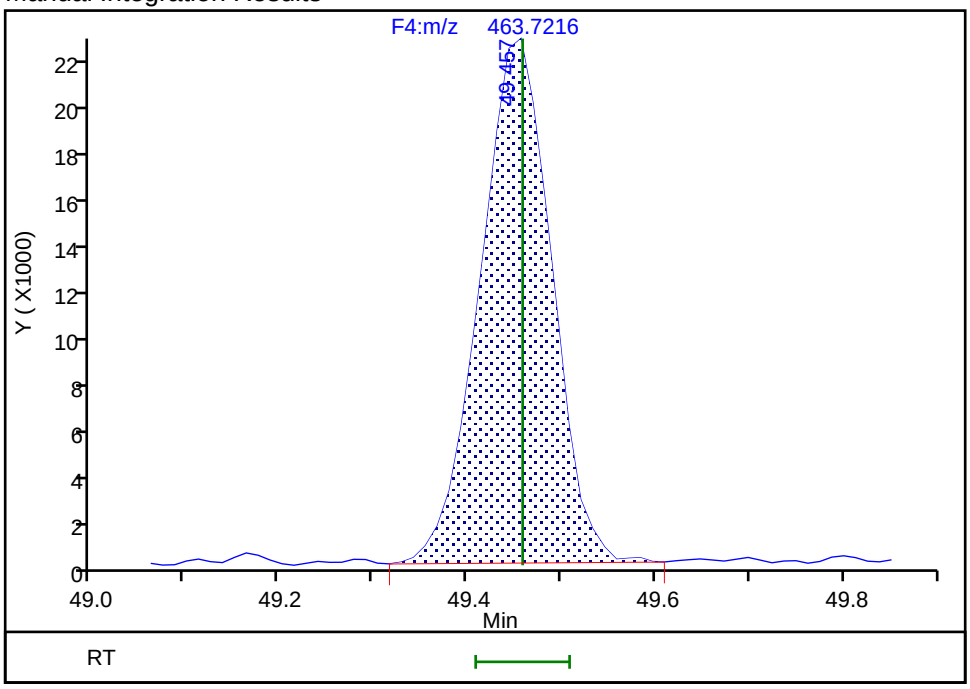
Processing Integration Results

RT: 49.46
Area: 111361
Amount: 4.715845
Amount Units: pg/ul




Manual Integration Results

RT: 49.46
Area: 118224
Amount: 4.880854
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:24:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

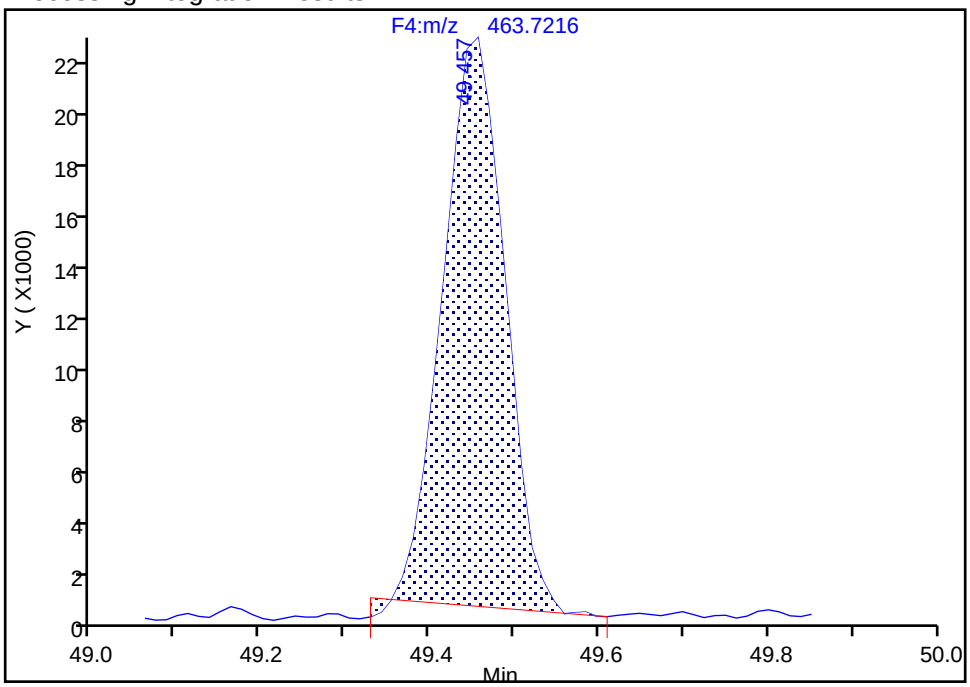
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-208, CAS: 52663-77-1

Signal: 3

Processing Integration Results

RT: 49.44
Area: 204714
Amount: 4.715845
Amount Units: pg/ul




Manual Integration Results

RT: 49.44
Area: 212921
Amount: 4.880854
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:24:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

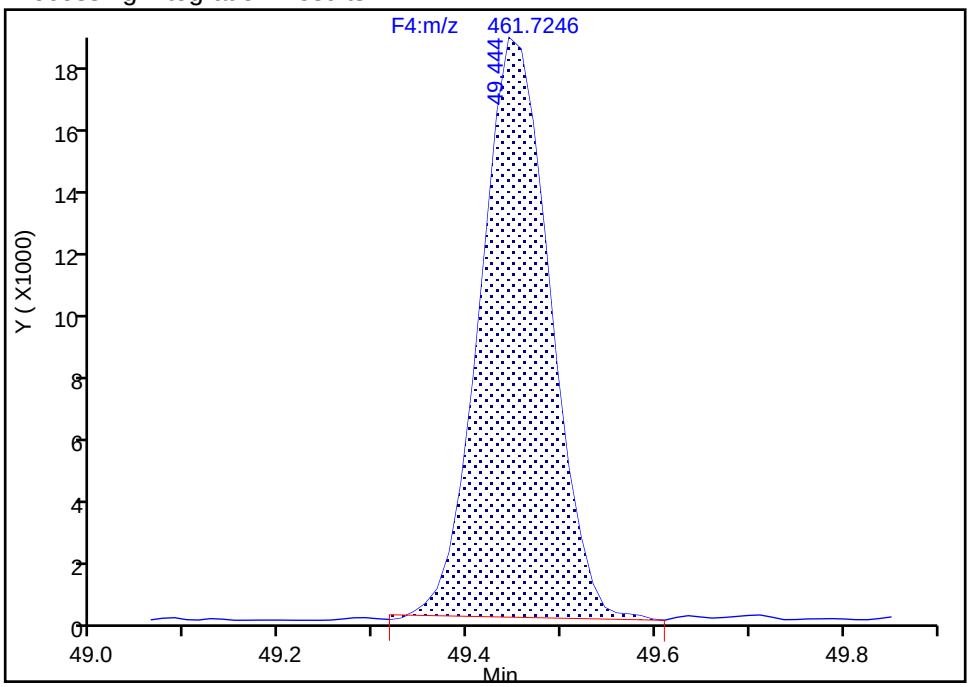
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-208, CAS: 52663-77-1

Signal: 1

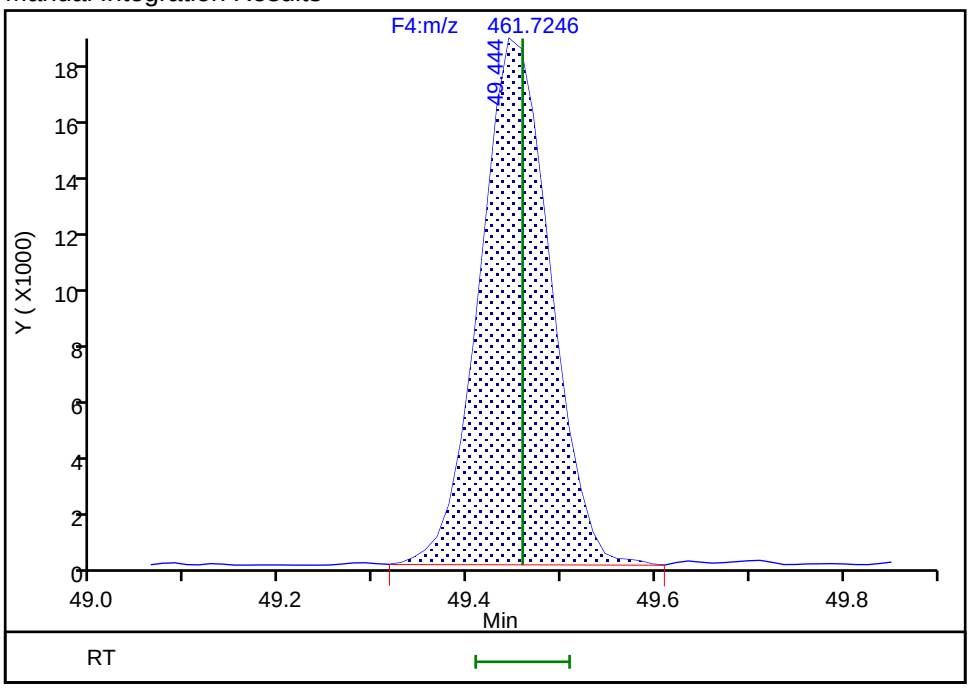
Processing Integration Results

RT: 49.44
Area: 93353
Amount: 4.715845
Amount Units: pg/ul




Manual Integration Results

RT: 49.44
Area: 94697
Amount: 4.880854
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:24:54
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

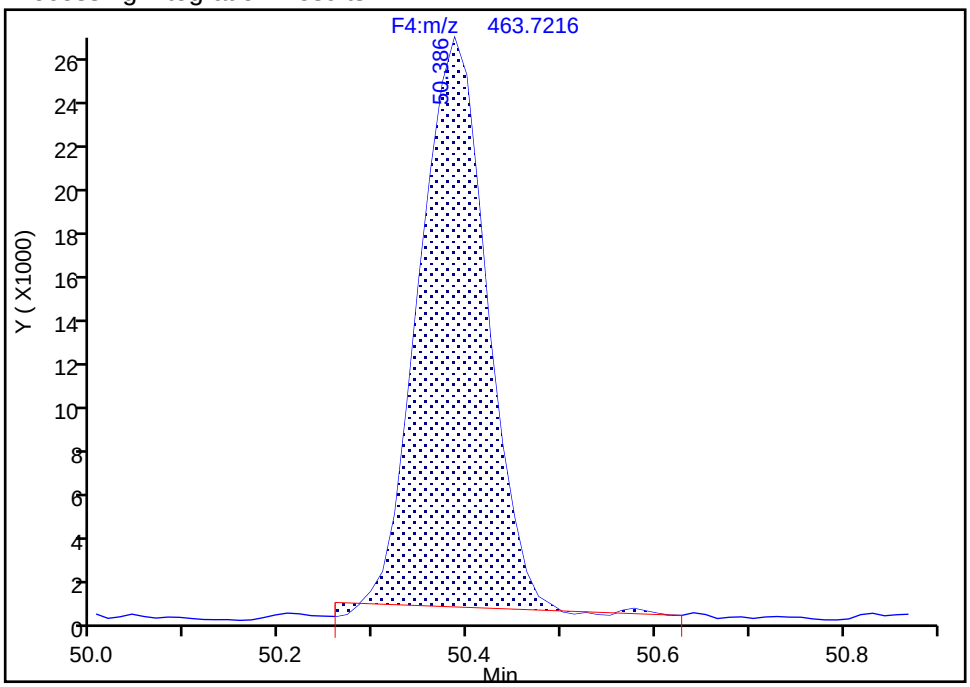
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-207, CAS: 52663-79-3

Signal: 2

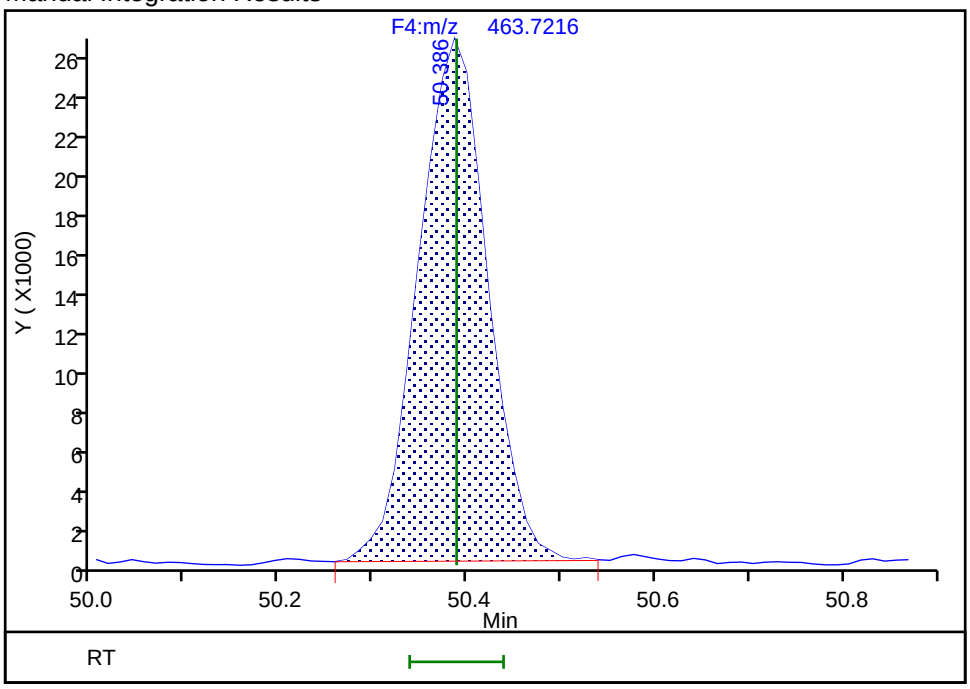
Processing Integration Results

RT: 50.39
Area: 125143
Amount: 4.749531
Amount Units: pg/ul




Manual Integration Results

RT: 50.39
Area: 131131
Amount: 4.883606
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:25:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

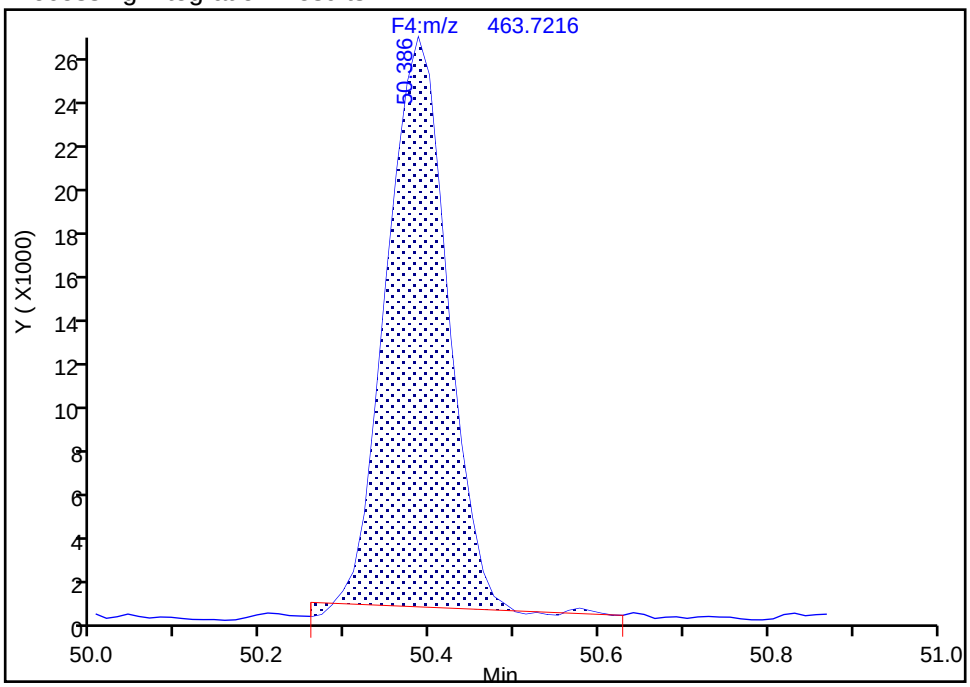
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-207, CAS: 52663-79-3

Signal: 3

Processing Integration Results

RT: 50.39
Area: 222689
Amount: 4.749531
Amount Units: pg/ul




Manual Integration Results

RT: 50.39
Area: 229594
Amount: 4.883606
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:25:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

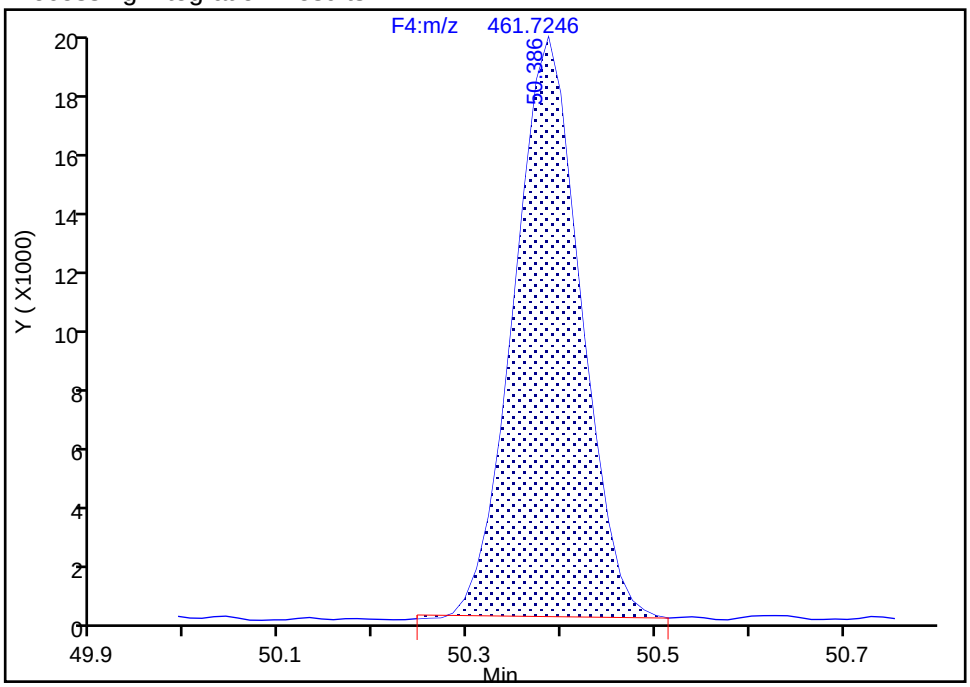
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d
Injection Date: 21-Aug-2019 15:59:00 Instrument ID: D3D
Lims ID: IC L3
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-207, CAS: 52663-79-3

Signal: 1

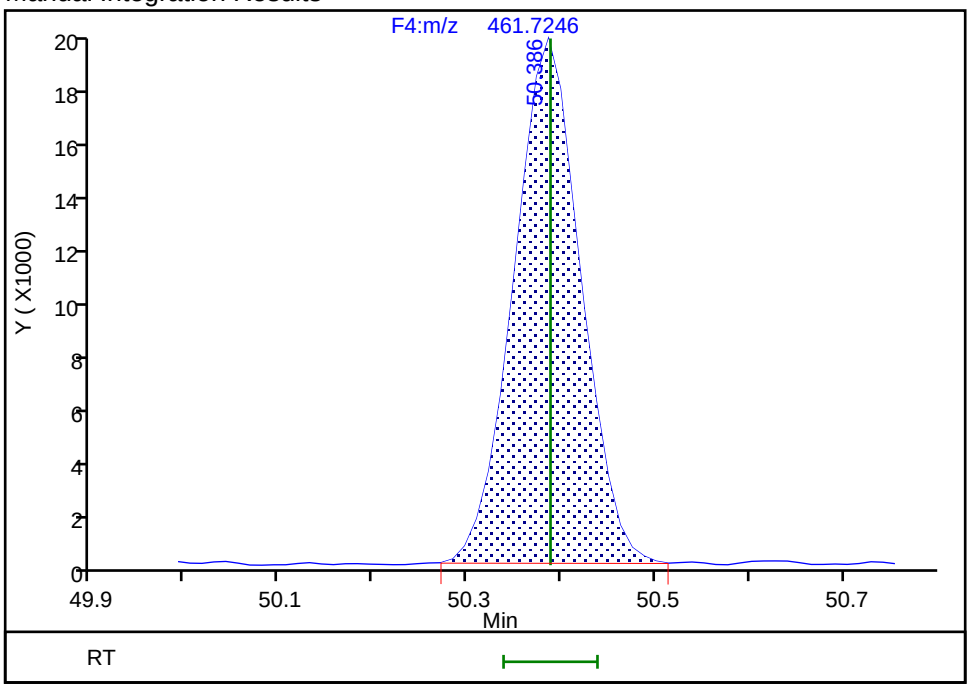
Processing Integration Results

RT: 50.39
Area: 97546
Amount: 4.749531
Amount Units: pg/ul




Manual Integration Results

RT: 50.39
Area: 98463
Amount: 4.883606
Amount Units: pg/ul



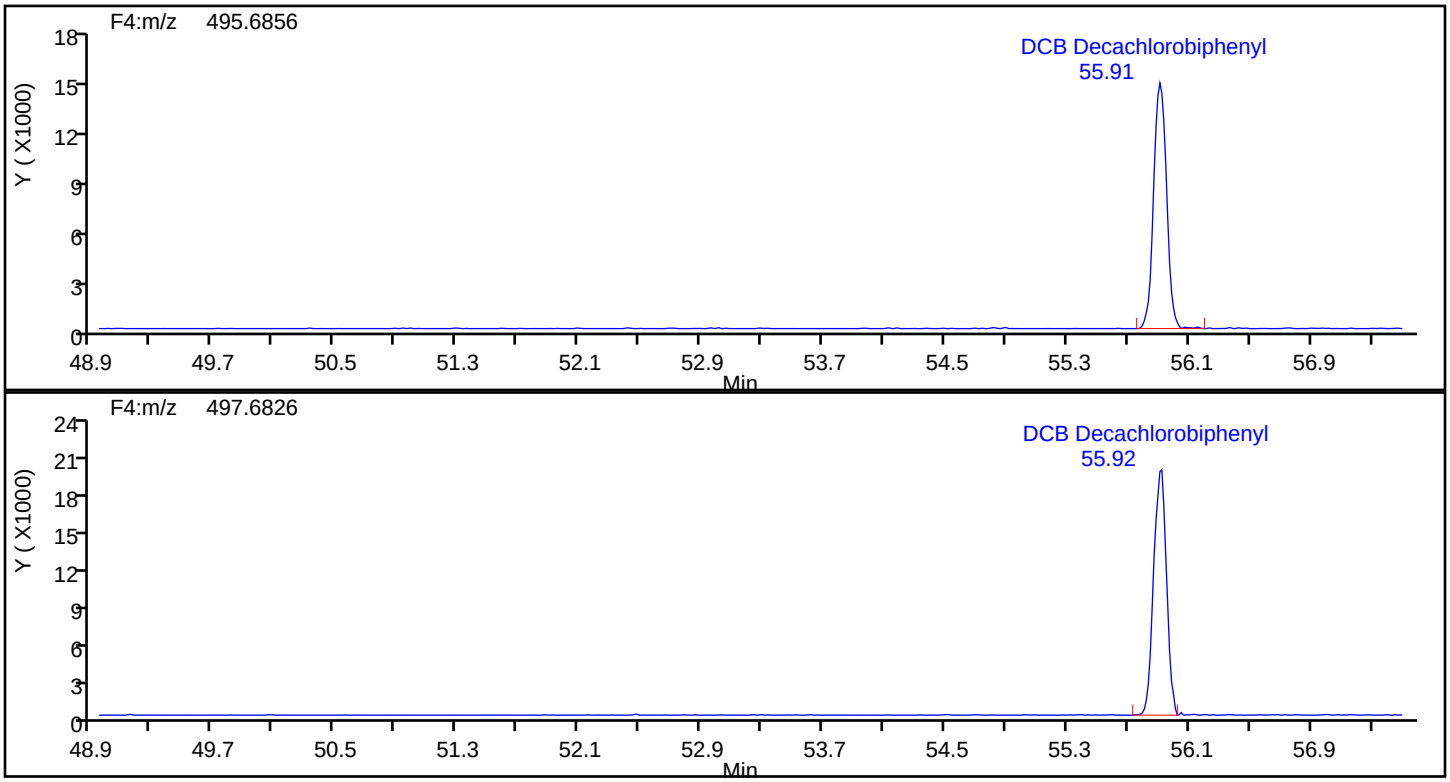

Reviewer: mcwhirterl, 21-Aug-2019 20:25:24
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Report Date: 30-Aug-2019 11:37:18 Chrom Revision: 2.3 22-Aug-2019 12:55:36

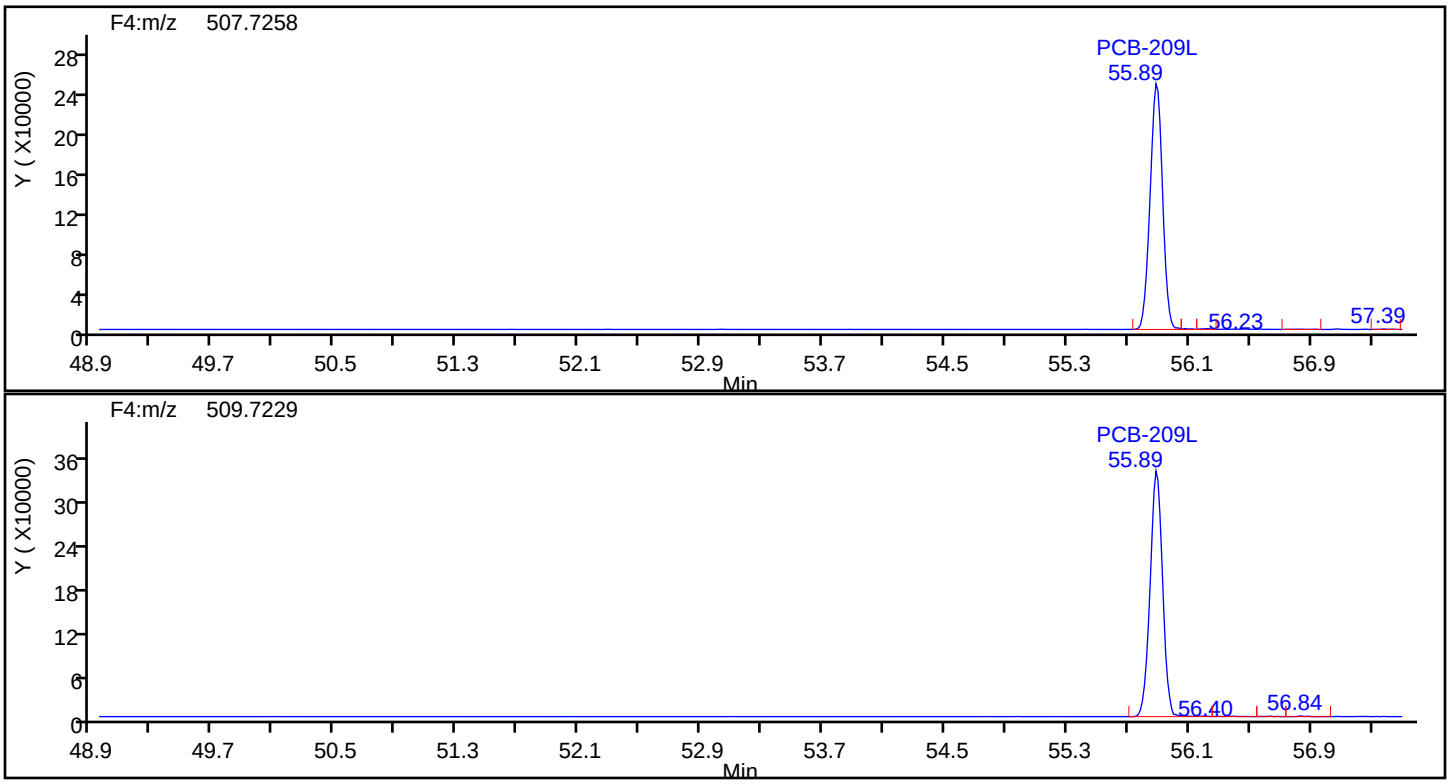
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4



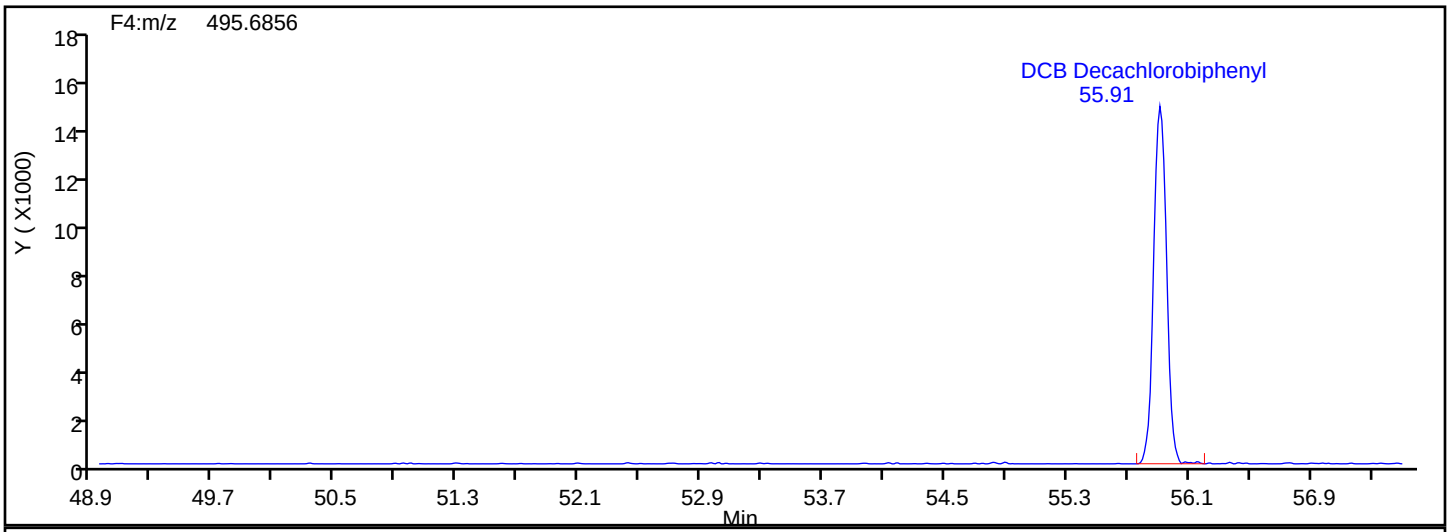

DePCB F4 Standards

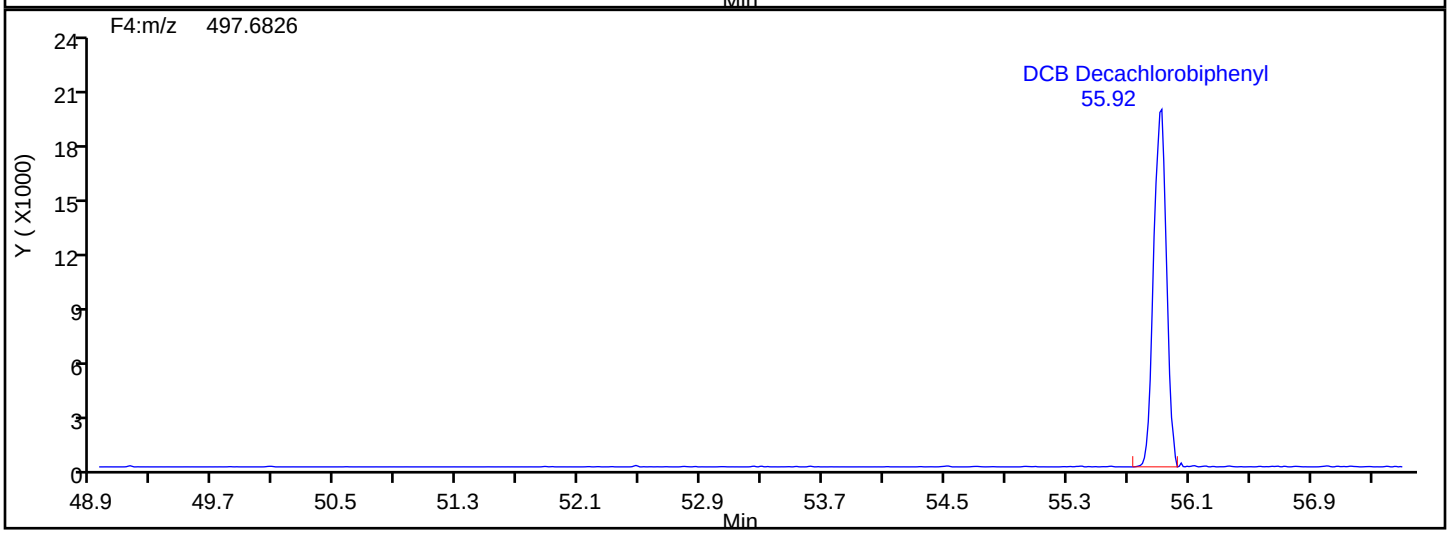


Eurofins TestAmerica, Knoxville

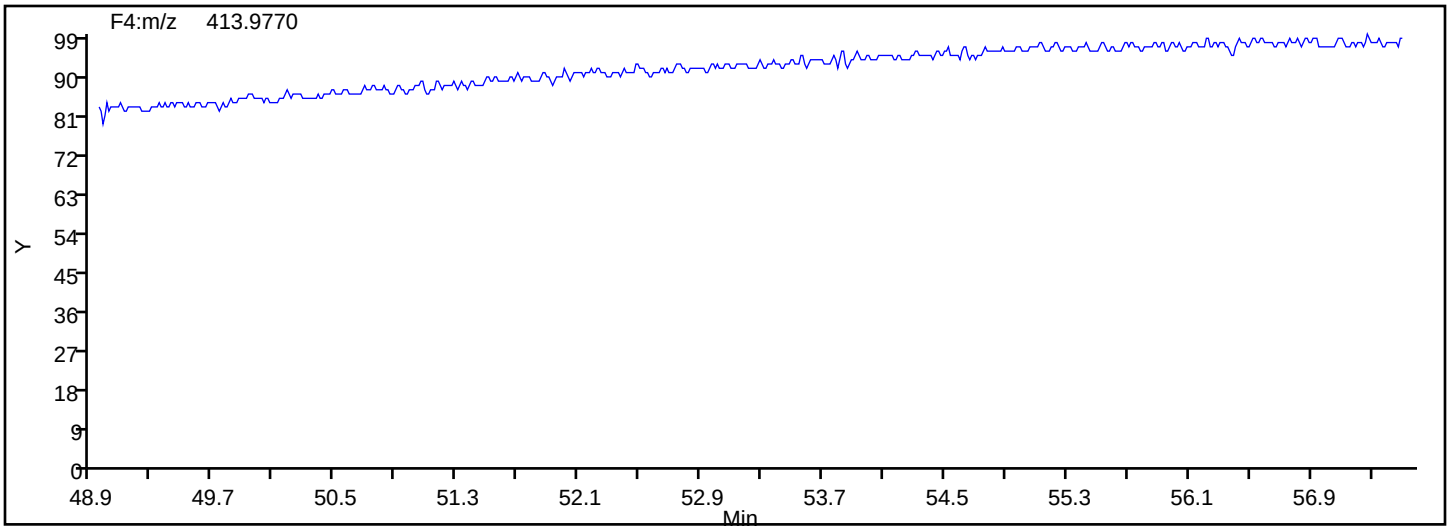
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i3.d | | |
| Injection Date: | 21-Aug-2019 15:59:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 3 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Aug-2019 17:01:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-004
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:37:39 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: mcwhirterl Date: 21-Aug-2019 21:12:34

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 141.8 | 141.8 | 0.1315 | 0.1315 | | |
| D PCB-1L | 11:48 | 5165537 | 3.03 | 1.3140 | 103.2 | 103.2 | 0.2357 | 0.2357 | 103 | Ma |
| D PCB-3L | 13:58 | 5323867 | 3.17 | 1.3615 | 102.6 | 102.6 | 0.2275 | 0.2275 | 103 | |
| PCB-1 | 11:49 | 2942665 | 3.17 | 1.1883 | 47.9 | 47.9 | 0.1242 | 0.1242 | 95.88 | |
| PCB-2 | 13:49 | 2951274 | 3.16 | 1.1911 | 47.2 | 47.2 | 0.1319 | 0.1319 | 94.49 | |
| PCB-3 | 13:59 | 3008990 | 3.16 | 1.2130 | 46.6 | 46.6 | 0.1384 | 0.1384 | 93.19 | |
| S Total Dichlorobiphenyls | | | | | 573.6 | 573.6 | 0.0241 | 0.0241 | | |
| D PCB-4L | 14:14 | 2316178 | 1.63 | 0.5996 | 101.4 | 101.4 | 0.2115 | 0.2115 | 101 | |
| * PCB-9L | 16:11 | 3810336 | 1.62 | 4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-8L | 17:01 | 1828686 | 1.62 | 1.3085 | 45.3 | 45.3 | 0.1238 | 0.1238 | 90.64 | |
| D PCB-15L | 20:07 | 3851417 | 1.67 | 1.0280 | 98.3 | 98.3 | 0.1234 | 0.1234 | 98.32 | |
| PCB-4 | 14:14 | 1410784 | 1.60 | 1.2533 | 48.6 | 48.6 | 0.0335 | 0.0335 | 97.20 | |
| PCB-10 | 14:25 | 2308232 | 1.62 | 1.4828 | 50.5 | 50.5 | 0.0248 | 0.0248 | 101 | |
| PCB-9 | 16:13 | 2147070 | 1.59 | 1.4200 | 49.0 | 49.0 | 0.0259 | 0.0259 | 98.06 | |
| PCB-7 | 16:23 | 2449243 | 1.58 | 1.6244 | 48.9 | 48.9 | 0.0227 | 0.0227 | 97.79 | |
| PCB-6 | 16:37 | 2329109 | 1.59 | 1.5539 | 48.6 | 48.6 | 0.0237 | 0.0237 | 97.21 | |
| PCB-5 | 16:55 | 2346347 | 1.60 | 1.5606 | 48.8 | 48.8 | 0.0236 | 0.0236 | 97.51 | |
| PCB-8 | 17:03 | 2357245 | 1.60 | 1.5884 | 48.1 | 48.1 | 0.0232 | 0.0232 | 96.25 | |
| PCB-14 | 18:40 | 2721907 | 1.58 | 1.8738 | 47.1 | 47.1 | 0.0196 | 0.0196 | 94.21 | |
| PCB-11 | 19:30 | 2307528 | 1.62 | 1.6347 | 45.8 | 45.8 | 0.0225 | 0.0225 | 91.55 | |
| PCB-12 | 19:50 | 4620819 | 1.58 | 1.6410 | 91.3 | 91.3 | 0.0224 | 0.0224 | 91.31 | Ma |
| PCB-13 (C12) | 19:50 | 4620819 | 1.58 | 1.6410 | 91.3 | 91.3 | 0.0224 | 0.0224 | 91.31 | Ma |
| PCB-15 | 20:07 | 2532939 | 1.58 | 1.4024 | 46.9 | 46.9 | 0.0234 | 0.0234 | 93.79 | |
| S Total Trichlorobiphenyl | | | | | 1131.3 | 1131.3 | 0.2289 | 0.2289 | | |
| D PCB-19L | 17:19 | 1287759 | 1.04 | 0.6095 | 103.2 | 103.2 | 0.5554 | 0.5554 | 103 | |
| * PCB-32L | 20:36 | 2046939 | 1.10 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:51 | 6270076 | 1.08 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:09 | 3367202 | 1.03 | 1.0975 | 48.9 | 48.9 | 0.1895 | 0.1895 | 97.86 | |
| D PCB-37L | 27:09 | 5660350 | 1.08 | 0.9024 | 100.0 | 100.0 | 0.2305 | 0.2305 | 100 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:21 | 822828 | 1.07 | 1.3047 | 49.0 | 49.0 | 0.0323 | 0.0323 | 97.94 | |
| PCB-18 | 19:12 | 2230930 | 1.07 | 1.8188 | 95.3 | 95.3 | 0.0232 | 0.0232 | 95.25 | |
| PCB-30 (C18) | 19:12 | 2230930 | 1.07 | 1.8188 | 95.3 | 95.3 | 0.0232 | 0.0232 | 95.25 | |
| PCB-17 | 19:38 | 942347 | 1.08 | 1.5641 | 46.8 | 46.8 | 0.0269 | 0.0269 | 93.57 | |
| PCB-27 | 19:51 | 1302984 | 1.08 | 2.1680 | 46.7 | 46.7 | 0.0194 | 0.0194 | 93.34 | |
| PCB-24 | 19:59 | 1276110 | 1.08 | 2.1018 | 47.1 | 47.1 | 0.0200 | 0.0200 | 94.30 | |
| PCB-16 | 20:06 | 723817 | 1.05 | 1.2260 | 45.8 | 45.8 | 0.0344 | 0.0344 | 91.69 | |
| PCB-32 | 20:37 | 1391262 | 1.08 | 2.3416 | 46.1 | 46.1 | 0.0180 | 0.0180 | 92.28 | |
| PCB-34 | 21:53 | 3374594 | 1.10 | 1.2154 | 49.1 | 49.1 | 0.3642 | 0.3642 | 98.10 | |
| PCB-23 | 22:02 | 3429109 | 1.09 | 1.2675 | 47.8 | 47.8 | 0.3493 | 0.3493 | 95.59 | |
| PCB-26 | 22:21 | 7042573 | 1.08 | 1.3193 | 94.3 | 94.3 | 0.3356 | 0.3356 | 94.31 | |
| PCB-29 (C26) | 22:21 | 7042573 | 1.08 | 1.3193 | 94.3 | 94.3 | 0.3356 | 0.3356 | 94.31 | |
| PCB-25 | 22:34 | 3638384 | 1.10 | 1.3523 | 47.5 | 47.5 | 0.3274 | 0.3274 | 95.07 | |
| PCB-31 | 22:53 | 3681168 | 1.07 | 1.3809 | 47.1 | 47.1 | 0.3206 | 0.3206 | 94.19 | |
| PCB-20 | 23:11 | 6894018 | 1.07 | 1.3057 | 93.3 | 93.3 | 0.3390 | 0.3390 | 93.28 | |
| PCB-28 (C20) | 23:11 | 6894018 | 1.07 | 1.3057 | 93.3 | 93.3 | 0.3390 | 0.3390 | 93.28 | |
| PCB-21 | 23:25 | 7437779 | 1.11 | 1.3777 | 95.4 | 95.4 | 0.3213 | 0.3213 | 95.38 | |
| PCB-33 (C21) | 23:25 | 7437779 | 1.11 | 1.3777 | 95.4 | 95.4 | 0.3213 | 0.3213 | 95.38 | |
| PCB-22 | 23:49 | 3348880 | 1.10 | 1.2430 | 47.6 | 47.6 | 0.3562 | 0.3562 | 95.20 | |
| PCB-36 | 25:22 | 3569714 | 1.07 | 1.3468 | 46.8 | 46.8 | 0.3287 | 0.3287 | 93.65 | Ma |
| PCB-39 | 25:44 | 3712888 | 1.07 | 1.3970 | 47.0 | 47.0 | 0.3169 | 0.3169 | 93.91 | |
| PCB-38 | 26:19 | 3385804 | 1.10 | 1.3177 | 45.4 | 45.4 | 0.3360 | 0.3360 | 90.79 | |
| PCB-35 | 26:46 | 3212497 | 1.08 | 1.2166 | 46.6 | 46.6 | 0.3639 | 0.3639 | 93.30 | Ma |
| PCB-37 | 27:11 | 3398698 | 1.09 | 1.2879 | 46.6 | 46.6 | 0.3437 | 0.3437 | 93.24 | |
| S Total Tetrachlorobiphen | | | | | 1985.1 | 1985.1 | 0.3285 | 0.3285 | | |
| D PCB-54L | 20:25 | 1366200 | 0.79 | 0.6515 | 102.5 | 102.5 | 0.0638 | 0.0638 | 102 | |
| * PCB-52L | 25:00 | 3606551 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | | |
| $ PCB-79L | 32:56 | 2301919 | 0.80 | 1.1239 | 46.6 | 46.6 | 0.3202 | 0.3202 | 93.29 | |
| D PCB-81L | 33:56 | 4314839 | 0.80 | 1.2328 | 97.0 | 97.0 | 0.3109 | 0.3109 | 97.05 | |
| D PCB-77L | 34:29 | 4466971 | 0.79 | 1.2523 | 98.9 | 98.9 | 0.3061 | 0.3061 | 98.91 | |
| PCB-54 | 20:26 | 800063 | 0.79 | 1.2558 | 46.6 | 46.6 | 0.0222 | 0.0222 | 93.26 | |
| PCB-50 | 22:37 | 4041208 | 0.78 | 0.9362 | 98.3 | 98.3 | 0.4227 | 0.4227 | 98.31 | |
| PCB-53 (C50) | 22:37 | 4041208 | 0.78 | 0.9362 | 98.3 | 98.3 | 0.4227 | 0.4227 | 98.31 | |
| PCB-45 | 23:21 | 3846398 | 0.79 | 0.8850 | 99.0 | 99.0 | 0.4471 | 0.4471 | 98.98 | Ma |
| PCB-51 (C45) | 23:21 | 3846398 | 0.79 | 0.8850 | 99.0 | 99.0 | 0.4471 | 0.4471 | 98.98 | Ma |
| PCB-46 | 23:35 | 1623140 | 0.80 | 0.7591 | 48.7 | 48.7 | 0.5213 | 0.5213 | 97.39 | |
| PCB-52 | 25:00 | 1943889 | 0.79 | 0.8992 | 49.2 | 49.2 | 0.4401 | 0.4401 | 98.46 | Ma |
| PCB-43 | 25:09 | 4336762 | 0.78 | 0.9993 | 98.8 | 98.8 | 0.3960 | 0.3960 | 98.83 | Ma |
| PCB-73 (C43) | 25:09 | 4336762 | 0.78 | 0.9993 | 98.8 | 98.8 | 0.3960 | 0.3960 | 98.83 | Ma |
| PCB-49 | 25:29 | 4830305 | 0.79 | 1.1366 | 96.8 | 96.8 | 0.3482 | 0.3482 | 96.79 | Ma |
| PCB-69 (C49) | 25:29 | 4830305 | 0.79 | 1.1366 | 96.8 | 96.8 | 0.3482 | 0.3482 | 96.79 | Ma |
| PCB-48 | 25:48 | 1976598 | 0.77 | 0.9454 | 47.6 | 47.6 | 0.4186 | 0.4186 | 95.23 | |
| PCB-44 | 26:02 | 6291717 | 0.79 | 1.0323 | 138.8 | 138.8 | 0.3833 | 0.3833 | 92.54 | |
| PCB-47 (C44) | 26:02 | 6291717 | 0.79 | 1.0323 | 138.8 | 138.8 | 0.3833 | 0.3833 | 92.54 | |
| PCB-65 (C44) | 26:02 | 6291717 | 0.79 | 1.0323 | 138.8 | 138.8 | 0.3833 | 0.3833 | 92.54 | |
| PCB-59 | 26:20 | 8213585 | 0.79 | 1.3609 | 137.5 | 137.5 | 0.2908 | 0.2908 | 91.63 | |
| PCB-62 (C59) | 26:20 | 8213585 | 0.79 | 1.3609 | 137.5 | 137.5 | 0.2908 | 0.2908 | 91.63 | |
| PCB-75 (C59) | 26:20 | 8213585 | 0.79 | 1.3609 | 137.5 | 137.5 | 0.2908 | 0.2908 | 91.63 | |
| PCB-42 | 26:33 | 1817079 | 0.78 | 0.8670 | 47.7 | 47.7 | 0.4564 | 0.4564 | 95.46 | |
| PCB-40 | 27:02 | 5729021 | 0.78 | 0.9179 | 142.1 | 142.1 | 0.4311 | 0.4311 | 94.76 | Ma |
| PCB-41 (C40) | 27:02 | 5729021 | 0.78 | 0.9179 | 142.1 | 142.1 | 0.4311 | 0.4311 | 94.76 | Ma |
| PCB-71 (C40) | 27:02 | 5729021 | 0.78 | 0.9179 | 142.1 | 142.1 | 0.4311 | 0.4311 | 94.76 | Ma |
| PCB-64 | 27:15 | 2934052 | 0.77 | 1.4164 | 47.2 | 47.2 | 0.2794 | 0.2794 | 94.36 | Ma |
| PCB-72 | 28:06 | 2781272 | 0.78 | 1.3157 | 48.1 | 48.1 | 0.3008 | 0.3008 | 96.28 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:23 | 3083963 | 0.78 | 1.4782 | 47.5 | 47.5 | 0.2677 | 0.2677 | 95.03 | |
| PCB-57 | 28:48 | 2654000 | 0.78 | 1.2817 | 47.2 | 47.2 | 0.3088 | 0.3088 | 94.32 | |
| PCB-58 | 29:02 | 2739184 | 0.79 | 1.3214 | 47.2 | 47.2 | 0.2995 | 0.2995 | 94.42 | |
| PCB-67 | 29:12 | 2958470 | 0.79 | 1.3944 | 48.3 | 48.3 | 0.2838 | 0.2838 | 96.64 | |
| PCB-63 | 29:28 | 3053427 | 0.78 | 1.4685 | 47.4 | 47.4 | 0.2695 | 0.2695 | 94.71 | |
| PCB-61 | 29:49 | 11039315 | 0.78 | 1.3565 | 185.3 | 185.3 | 0.2917 | 0.2917 | 92.67 | |
| PCB-70 (C61) | 29:49 | 11039315 | 0.78 | 1.3565 | 185.3 | 185.3 | 0.2917 | 0.2917 | 92.67 | |
| PCB-74 (C61) | 29:49 | 11039315 | 0.78 | 1.3565 | 185.3 | 185.3 | 0.2917 | 0.2917 | 92.67 | |
| PCB-76 (C61) | 29:49 | 11039315 | 0.78 | 1.3565 | 185.3 | 185.3 | 0.2917 | 0.2917 | 92.67 | |
| PCB-66 | 30:08 | 2685042 | 0.77 | 1.2800 | 47.8 | 47.8 | 0.3092 | 0.3092 | 95.55 | |
| PCB-55 | 30:18 | 2674419 | 0.78 | 1.2951 | 47.0 | 47.0 | 0.3056 | 0.3056 | 94.06 | |
| PCB-56 | 30:48 | 2594900 | 0.79 | 1.2671 | 46.6 | 46.6 | 0.3123 | 0.3123 | 93.28 | |
| PCB-60 | 31:00 | 2663106 | 0.79 | 1.3288 | 45.6 | 45.6 | 0.2978 | 0.2978 | 91.28 | |
| PCB-80 | 31:26 | 3026713 | 0.77 | 1.4694 | 46.9 | 46.9 | 0.2693 | 0.2693 | 93.82 | Ma |
| PCB-79 | 32:57 | 3157102 | 0.80 | 1.5421 | 46.6 | 46.6 | 0.2566 | 0.2566 | 93.25 | |
| PCB-78 | 33:31 | 2553375 | 0.78 | 1.3150 | 44.2 | 44.2 | 0.3009 | 0.3009 | 88.44 | |
| PCB-81 | 33:57 | 2624358 | 0.78 | 1.3214 | 46.0 | 46.0 | 0.3032 | 0.3032 | 92.06 | |
| PCB-77 | 34:30 | 2663278 | 0.78 | 1.3308 | 44.8 | 44.8 | 0.2938 | 0.2938 | 89.60 | |
| S Total Pentachlorobiphen | | | | | 2121.0 | 2121.0 | 0.1600 | 0.1600 | | |
| D PCB-104L | 25:57 | 3420602 | 1.63 | 1.1164 | 110.1 | 110.1 | 0.0540 | 0.0540 | 110 | |
| $ PCB-95L | 28:54 | 1266206 | 1.59 | 0.7770 | 47.6 | 47.6 | 0.0596 | 0.0596 | 95.28 | |
| * PCB-101L | 31:51 | 2782994 | 1.64 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:33 | 1804129 | 1.64 | 1.2177 | 53.2 | 53.2 | 0.0495 | 0.0495 | 106 | |
| D PCB-123L | 36:30 | 4398105 | 1.58 | 0.9909 | 99.9 | 99.9 | 0.999 | 0.999 | 99.88 | |
| D PCB-118L | 36:50 | 4629343 | 1.56 | 1.0256 | 101.6 | 101.6 | 0.9651 | 0.9651 | 102 | |
| D PCB-114L | 37:22 | 4439888 | 1.59 | 1.0030 | 99.6 | 99.6 | 0.9868 | 0.9868 | 99.62 | |
| D PCB-105L | 38:00 | 4455117 | 1.55 | 1.0013 | 100.1 | 100.1 | 0.9885 | 0.9885 | 100 | |
| * PCB-127L | 39:30 | 4443727 | 1.55 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:05 | 3900384 | 1.61 | 0.9020 | 97.3 | 97.3 | 1.097 | 1.097 | 97.31 | |
| PCB-104 | 25:58 | 2213044 | 1.59 | 1.3926 | 46.5 | 46.5 | 0.0161 | 0.0161 | 92.92 | |
| PCB-96 | 26:20 | 1950213 | 1.61 | 1.2268 | 46.5 | 46.5 | 0.0183 | 0.0183 | 92.95 | |
| PCB-103 | 28:16 | 1674111 | 1.58 | 1.0331 | 47.4 | 47.4 | 0.0217 | 0.0217 | 94.75 | |
| PCB-94 | 28:30 | 1482949 | 1.59 | 0.9036 | 48.0 | 48.0 | 0.0248 | 0.0248 | 95.95 | |
| PCB-95 | 28:56 | 1565685 | 1.60 | 0.9620 | 47.6 | 47.6 | 0.0233 | 0.0233 | 95.16 | |
| PCB-93 | 29:10 | 3126988 | 1.58 | 0.9806 | 93.2 | 93.2 | 0.0229 | 0.0229 | 93.22 | |
| PCB-100 (C93) | 29:10 | 3126988 | 1.58 | 0.9806 | 93.2 | 93.2 | 0.0229 | 0.0229 | 93.22 | |
| PCB-98 | 29:18 | 3174177 | 1.58 | 0.9888 | 93.8 | 93.8 | 0.0227 | 0.0227 | 93.85 | Ma |
| PCB-102 (C98) | 29:18 | 3174177 | 1.58 | 0.9888 | 93.8 | 93.8 | 0.0227 | 0.0227 | 93.85 | Ma |
| PCB-88 | 29:48 | 3148581 | 1.58 | 1.0052 | 91.6 | 91.6 | 0.0223 | 0.0223 | 91.57 | M |
| PCB-91 (C88) | 29:48 | 3148581 | 1.58 | 1.0052 | 91.6 | 91.6 | 0.0223 | 0.0223 | 91.57 | M |
| PCB-84 | 30:01 | 1344137 | 1.56 | 0.8601 | 45.7 | 45.7 | 0.0261 | 0.0261 | 91.37 | |
| PCB-89 | 30:30 | 1443509 | 1.56 | 0.8936 | 47.2 | 47.2 | 0.0251 | 0.0251 | 94.45 | |
| PCB-121 | 30:56 | 2192027 | 1.60 | 1.3971 | 45.9 | 45.9 | 0.0161 | 0.0161 | 91.74 | M |
| PCB-92 | 31:18 | 1515004 | 1.57 | 0.9532 | 46.5 | 46.5 | 0.0236 | 0.0236 | 92.93 | Ma |
| PCB-90 | 31:52 | 5287793 | 1.58 | 1.1367 | 136.0 | 136.0 | 0.0198 | 0.0198 | 90.67 | |
| PCB-101 (C90) | 31:52 | 5287793 | 1.58 | 1.1367 | 136.0 | 136.0 | 0.0198 | 0.0198 | 90.67 | |
| PCB-113 (C90) | 31:52 | 5287793 | 1.58 | 1.1367 | 136.0 | 136.0 | 0.0198 | 0.0198 | 90.67 | |
| PCB-83 | 32:28 | 3026501 | 1.54 | 0.9393 | 94.2 | 94.2 | 0.0239 | 0.0239 | 94.19 | |
| PCB-99 (C83) | 32:28 | 3026501 | 1.54 | 0.9393 | 94.2 | 94.2 | 0.0239 | 0.0239 | 94.19 | |
| PCB-112 | 32:35 | 2189579 | 1.59 | 1.3672 | 46.8 | 46.8 | 0.0164 | 0.0164 | 93.64 | |
| PCB-86 | 32:57 | 10880499 | 1.58 | 1.1958 | 266.0 | 266.0 | 0.0188 | 0.0188 | 88.67 | Ma |
| PCB-87 (C86) | 32:57 | 10880499 | 1.58 | 1.1958 | 266.0 | 266.0 | 0.0188 | 0.0188 | 88.67 | Ma |
| PCB-97 (C86) | 32:57 | 10880499 | 1.58 | 1.1958 | 266.0 | 266.0 | 0.0188 | 0.0188 | 88.67 | Ma |
| PCB-109 (C86) | 32:57 | 10880499 | 1.58 | 1.1958 | 266.0 | 266.0 | 0.0188 | 0.0188 | 88.67 | Ma |
| PCB-119 (C86) | 32:57 | 10880499 | 1.58 | 1.1958 | 266.0 | 266.0 | 0.0188 | 0.0188 | 88.67 | Ma |
| PCB-125 (C86) | 32:57 | 10880499 | 1.58 | 1.1958 | 266.0 | 266.0 | 0.0188 | 0.0188 | 88.67 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:41 | 5680814 | 1.58 | 1.2126 | 137.0 | 137.0 | 0.0185 | 0.0185 | 91.30 | |
| PCB-116 (C85) | 33:41 | 5680814 | 1.58 | 1.2126 | 137.0 | 137.0 | 0.0185 | 0.0185 | 91.30 | |
| PCB-117 (C85) | 33:41 | 5680814 | 1.58 | 1.2126 | 137.0 | 137.0 | 0.0185 | 0.0185 | 91.30 | |
| PCB-110 | 33:56 | 4208133 | 1.58 | 1.3511 | 91.1 | 91.1 | 0.0166 | 0.0166 | 91.05 | |
| PCB-115 (C110) | 33:56 | 4208133 | 1.58 | 1.3511 | 91.1 | 91.1 | 0.0166 | 0.0166 | 91.05 | |
| PCB-82 | 34:10 | 1380748 | 1.54 | 0.8675 | 46.5 | 46.5 | 0.0259 | 0.0259 | 93.06 | |
| PCB-111 | 34:35 | 2259440 | 1.59 | 1.4262 | 46.3 | 46.3 | 0.0157 | 0.0157 | 92.63 | |
| PCB-120 | 35:02 | 2326693 | 1.58 | 1.4907 | 45.6 | 45.6 | 0.0151 | 0.0151 | 91.26 | |
| PCB-108 | 36:10 | 5051257 | 1.61 | 1.2547 | 92.2 | 92.2 | 0.4667 | 0.4667 | 92.24 | |
| PCB-124 (C108) | 36:10 | 5051257 | 1.61 | 1.2547 | 92.2 | 92.2 | 0.4667 | 0.4667 | 92.24 | |
| PCB-107 | 36:25 | 2729879 | 1.56 | 1.3580 | 46.1 | 46.1 | 0.4312 | 0.4312 | 92.12 | |
| PCB-123 | 36:32 | 2741739 | 1.57 | 1.3407 | 46.5 | 46.5 | 0.4247 | 0.4247 | 93.00 | |
| PCB-106 | 36:39 | 2687027 | 1.59 | 1.2749 | 48.3 | 48.3 | 0.4593 | 0.4593 | 96.58 | |
| PCB-118 | 36:51 | 2801925 | 1.57 | 1.2892 | 46.9 | 46.9 | 0.4247 | 0.4247 | 93.90 | |
| PCB-122 | 37:12 | 2362195 | 1.56 | 1.1614 | 46.6 | 46.6 | 0.5042 | 0.5042 | 93.20 | |
| PCB-114 | 37:23 | 2870489 | 1.56 | 1.4051 | 46.0 | 46.0 | 0.4112 | 0.4112 | 92.03 | |
| PCB-105 | 38:02 | 2628859 | 1.57 | 1.2887 | 45.8 | 45.8 | 0.4412 | 0.4412 | 91.57 | |
| PCB-127 | 39:31 | 2600695 | 1.59 | 1.2841 | 46.4 | 46.4 | 0.4560 | 0.4560 | 92.81 | Ma |
| PCB-126 | 41:07 | 2453007 | 1.57 | 1.3416 | 46.9 | 46.9 | 0.5082 | 0.5082 | 93.76 | |
| S Total Hexachlorobipheny | | | | | 1950.4 | 1950.4 | 0.1244 | 0.1244 | | |
| D PCB-155L | 31:38 | 2953311 | 1.29 | 0.9499 | 111.7 | 111.7 | 0.0424 | 0.0424 | 112 | |
| $ PCB-153L | 38:44 | 1717896 | 1.24 | 0.9597 | 46.4 | 46.4 | 0.7755 | 0.7755 | 92.89 | |
| * PCB-138L | 39:58 | 3316489 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:58 | 4083430 | 1.27 | 1.2544 | 98.2 | 98.2 | 0.5780 | 0.5780 | 98.15 | |
| D PCB-156L | 44:07 | 7924583 | 1.25 | 1.2289 | 194.4 | 194.4 | 0.5900 | 0.5900 | 97.22 | |
| D PCB-157L (C156L) | 44:07 | 7924583 | 1.25 | 1.2289 | 194.4 | 194.4 | 0.5900 | 0.5900 | 97.22 | |
| D PCB-169L | 47:22 | 3407599 | 1.25 | 1.0883 | 94.4 | 94.4 | 0.6662 | 0.6662 | 94.41 | |
| PCB-155 | 31:40 | 1775424 | 1.27 | 1.3028 | 46.1 | 46.1 | 0.0152 | 0.0152 | 92.29 | |
| PCB-152 | 31:51 | 1657250 | 1.28 | 1.2556 | 44.7 | 44.7 | 0.0158 | 0.0158 | 89.38 | |
| PCB-150 | 32:01 | 1685924 | 1.28 | 1.2368 | 46.2 | 46.2 | 0.0160 | 0.0160 | 92.31 | |
| PCB-136 | 32:22 | 1565672 | 1.28 | 1.1563 | 45.8 | 45.8 | 0.0172 | 0.0172 | 91.70 | |
| PCB-145 | 32:41 | 1609000 | 1.27 | 1.1910 | 45.7 | 45.7 | 0.0167 | 0.0167 | 91.49 | |
| PCB-148 | 34:13 | 1200710 | 1.27 | 0.8982 | 45.3 | 45.3 | 0.0221 | 0.0221 | 90.53 | |
| PCB-135 | 34:47 | 2309667 | 1.27 | 0.8691 | 90.0 | 90.0 | 0.0228 | 0.0228 | 89.98 | Ma |
| PCB-151 (C135) | 34:47 | 2309667 | 1.27 | 0.8691 | 90.0 | 90.0 | 0.0228 | 0.0228 | 89.98 | Ma |
| PCB-154 | 35:03 | 1348490 | 1.27 | 1.0180 | 44.9 | 44.9 | 0.0195 | 0.0195 | 89.70 | |
| PCB-144 | 35:21 | 1225934 | 1.28 | 0.9185 | 45.2 | 45.2 | 0.0216 | 0.0216 | 90.39 | |
| PCB-147 | 35:43 | 3542569 | 1.26 | 0.9747 | 94.3 | 94.3 | 0.1818 | 0.1818 | 94.31 | |
| PCB-149 (C147) | 35:43 | 3542569 | 1.26 | 0.9747 | 94.3 | 94.3 | 0.1818 | 0.1818 | 94.31 | |
| PCB-134 | 36:00 | 3110347 | 1.25 | 0.8518 | 94.7 | 94.7 | 0.2080 | 0.2080 | 94.75 | |
| PCB-143 (C134) | 36:00 | 3110347 | 1.25 | 0.8518 | 94.7 | 94.7 | 0.2080 | 0.2080 | 94.75 | |
| PCB-139 | 36:19 | 3563098 | 1.24 | 0.9995 | 92.5 | 92.5 | 0.1773 | 0.1773 | 92.50 | |
| PCB-140 (C139) | 36:19 | 3563098 | 1.24 | 0.9995 | 92.5 | 92.5 | 0.1773 | 0.1773 | 92.50 | |
| PCB-131 | 36:31 | 1575852 | 1.30 | 0.8584 | 47.6 | 47.6 | 0.2064 | 0.2064 | 95.27 | |
| PCB-142 | 36:40 | 1578799 | 1.22 | 0.8597 | 47.7 | 47.7 | 0.2061 | 0.2061 | 95.30 | |
| PCB-132 | 36:58 | 1592857 | 1.26 | 0.8801 | 47.0 | 47.0 | 0.2013 | 0.2013 | 93.93 | |
| PCB-133 | 37:29 | 1654737 | 1.26 | 0.9064 | 47.4 | 47.4 | 0.1955 | 0.1955 | 94.74 | |
| PCB-165 | 37:53 | 2071149 | 1.24 | 1.1210 | 47.9 | 47.9 | 0.1581 | 0.1581 | 95.88 | |
| PCB-146 | 38:08 | 1781689 | 1.26 | 1.0084 | 45.8 | 45.8 | 0.1757 | 0.1757 | 91.70 | |
| PCB-161 | 38:16 | 2428339 | 1.26 | 1.3370 | 47.1 | 47.1 | 0.1325 | 0.1325 | 94.26 | |
| PCB-153 | 38:47 | 4412656 | 1.26 | 1.2207 | 93.8 | 93.8 | 0.1452 | 0.1452 | 93.80 | |
| PCB-168 (C153) | 38:47 | 4412656 | 1.26 | 1.2207 | 93.8 | 93.8 | 0.1452 | 0.1452 | 93.80 | |
| PCB-141 | 38:56 | 1739103 | 1.31 | 0.9608 | 47.0 | 47.0 | 0.1844 | 0.1844 | 93.94 | |
| PCB-130 | 39:20 | 1499412 | 1.24 | 0.8274 | 47.0 | 47.0 | 0.2141 | 0.2141 | 94.04 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:35 | 1927094 | 1.26 | 1.0582 | 47.3 | 47.3 | 0.1674 | 0.1674 | 94.50 | |
| PCB-164 | 39:41 | 2224247 | 1.27 | 1.2527 | 46.1 | 46.1 | 0.1414 | 0.1414 | 92.15 | |
| PCB-129 | 40:00 | 7764180 | 1.25 | 1.0840 | 185.9 | 185.9 | 0.1635 | 0.1635 | 92.93 | Ma |
| PCB-138 (C129) | 40:00 | 7764180 | 1.25 | 1.0840 | 185.9 | 185.9 | 0.1635 | 0.1635 | 92.93 | Ma |
| PCB-160 (C129) | 40:00 | 7764180 | 1.25 | 1.0840 | 185.9 | 185.9 | 0.1635 | 0.1635 | 92.93 | Ma |
| PCB-163 (C129) | 40:00 | 7764180 | 1.25 | 1.0840 | 185.9 | 185.9 | 0.1635 | 0.1635 | 92.93 | Ma |
| PCB-158 | 40:23 | 2536518 | 1.25 | 1.3862 | 47.5 | 47.5 | 0.1278 | 0.1278 | 94.96 | |
| PCB-128 | 41:14 | 4000589 | 1.25 | 1.1165 | 93.0 | 93.0 | 0.1587 | 0.1587 | 92.98 | |
| PCB-166 (C128) | 41:14 | 4000589 | 1.25 | 1.1165 | 93.0 | 93.0 | 0.1587 | 0.1587 | 92.98 | |
| PCB-159 | 42:14 | 2366513 | 1.26 | 1.3178 | 46.6 | 46.6 | 0.1344 | 0.1344 | 93.19 | |
| PCB-162 | 42:32 | 2460285 | 1.26 | 1.3623 | 46.9 | 46.9 | 0.1301 | 0.1301 | 93.73 | |
| PCB-167 | 43:00 | 2511265 | 1.26 | 1.3357 | 46.0 | 46.0 | 0.1059 | 0.1059 | 92.09 | |
| PCB-156 | 44:09 | 4595990 | 1.26 | 1.2759 | 90.9 | 90.9 | 0.1593 | 0.1593 | 90.91 | |
| PCB-157 (C156) | 44:09 | 4595990 | 1.26 | 1.2759 | 90.9 | 90.9 | 0.1593 | 0.1593 | 90.91 | |
| PCB-169 | 47:23 | 2037605 | 1.27 | 1.2825 | 46.6 | 46.6 | 0.1376 | 0.1376 | 93.25 | |
| S Total Heptachlorobiphen | | | | | 1134.3 | 1134.3 | 0.0129 | 0.0129 | | |
| D PCB-188L | 37:23 | 3825950 | 1.06 | 1.3162 | 105.2 | 105.2 | 0.0483 | 0.0483 | 105 | |
| $ PCB-178L | 40:25 | 1357283 | 1.06 | 0.9222 | 53.2 | 53.2 | 0.0690 | 0.0690 | 106 | |
| * PCB-180L | 45:32 | 2764495 | 1.07 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:47 | 2188977 | 1.09 | 0.8357 | 94.7 | 94.7 | 0.0761 | 0.0761 | 94.75 | |
| D PCB-189L | 49:54 | 4682515 | 1.06 | 1.4666 | 93.0 | 93.0 | 0.1925 | 0.1925 | 92.99 | |
| PCB-188 | 37:24 | 2193707 | 1.05 | 1.2502 | 45.9 | 45.9 | 0.006390 | 0.006390 | 91.73 | |
| PCB-179 | 37:44 | 2020954 | 1.05 | 1.4149 | 47.5 | 47.5 | 0.007330 | 0.007330 | 94.99 | |
| PCB-184 | 38:16 | 2025147 | 1.03 | 1.4191 | 47.5 | 47.5 | 0.007308 | 0.007308 | 94.90 | |
| PCB-176 | 38:36 | 2182067 | 1.05 | 1.5212 | 47.7 | 47.7 | 0.006817 | 0.006817 | 95.39 | |
| PCB-186 | 39:04 | 2040391 | 1.05 | 1.4350 | 47.3 | 47.3 | 0.007227 | 0.007227 | 94.56 | |
| PCB-178 | 40:27 | 1484812 | 1.04 | 1.0228 | 48.3 | 48.3 | 0.0101 | 0.0101 | 96.54 | |
| PCB-175 | 41:05 | 1516592 | 1.05 | 1.0690 | 47.2 | 47.2 | 0.009701 | 0.009701 | 94.35 | |
| PCB-187 | 41:22 | 1588468 | 1.07 | 1.1106 | 47.6 | 47.6 | 0.009338 | 0.009338 | 95.12 | |
| PCB-182 | 41:34 | 1655245 | 1.07 | 1.1484 | 47.9 | 47.9 | 0.009031 | 0.009031 | 95.86 | |
| PCB-183 | 41:59 | 3219653 | 1.04 | 1.1368 | 94.2 | 94.2 | 0.009122 | 0.009122 | 94.17 | Ma |
| PCB-185 (C183) | 41:59 | 3219653 | 1.04 | 1.1368 | 94.2 | 94.2 | 0.009122 | 0.009122 | 94.17 | Ma |
| PCB-174 | 42:12 | 1365071 | 1.05 | 0.9547 | 47.5 | 47.5 | 0.0109 | 0.0109 | 95.09 | |
| PCB-177 | 42:39 | 1328705 | 1.04 | 0.9426 | 46.9 | 46.9 | 0.0110 | 0.0110 | 93.75 | Ma |
| PCB-181 | 43:02 | 1568574 | 1.05 | 1.1075 | 47.1 | 47.1 | 0.009364 | 0.009364 | 94.19 | |
| PCB-171 | 43:16 | 2704300 | 1.04 | 0.9603 | 93.6 | 93.6 | 0.0108 | 0.0108 | 93.63 | |
| PCB-173 (C171) | 43:16 | 2704300 | 1.04 | 0.9603 | 93.6 | 93.6 | 0.0108 | 0.0108 | 93.63 | |
| PCB-172 | 44:54 | 1385067 | 1.05 | 0.9918 | 46.4 | 46.4 | 0.0105 | 0.0105 | 92.87 | |
| PCB-192 | 45:11 | 1854430 | 1.05 | 1.2904 | 47.8 | 47.8 | 0.008037 | 0.008037 | 95.57 | |
| PCB-180 | 45:30 | 3473168 | 1.04 | 1.2286 | 94.0 | 94.0 | 0.008441 | 0.008441 | 94.00 | |
| PCB-193 (C180) | 45:30 | 3473168 | 1.04 | 1.2286 | 94.0 | 94.0 | 0.008441 | 0.008441 | 94.00 | |
| PCB-191 | 45:55 | 1962655 | 1.07 | 1.3848 | 47.1 | 47.1 | 0.007489 | 0.007489 | 94.25 | |
| PCB-170 | 46:48 | 1383873 | 1.02 | 1.2700 | 49.8 | 49.8 | 0.0116 | 0.0116 | 99.56 | |
| PCB-190 | 47:20 | 1934185 | 1.04 | 1.3774 | 46.7 | 46.7 | 0.007529 | 0.007529 | 93.38 | |
| PCB-189 | 49:56 | 2784992 | 1.06 | 1.2799 | 46.5 | 46.5 | 0.0924 | 0.0924 | 92.94 | |
| S Total Octachlorobipheny | | | | | 548.3 | 548.3 | 0.0327 | 0.0327 | | |
| D PCB-202L | 42:45 | 2918065 | 0.90 | 1.0055 | 105.0 | 105.0 | 0.0147 | 0.0147 | 105 | |
| * PCB-194L | 52:01 | 3433347 | 0.92 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:30 | 4137039 | 0.90 | 1.2867 | 93.6 | 93.6 | 0.0925 | 0.0925 | 93.65 | |
| PCB-202 | 42:47 | 1428490 | 0.90 | 1.0531 | 46.5 | 46.5 | 0.0109 | 0.0109 | 92.97 | |
| PCB-201 | 43:42 | 1566972 | 0.90 | 1.1860 | 45.3 | 45.3 | 0.009672 | 0.009672 | 90.55 | |
| PCB-204 | 44:23 | 1480779 | 0.89 | 1.1009 | 46.1 | 46.1 | 0.0104 | 0.0104 | 92.19 | |
| PCB-197 | 44:36 | 1606495 | 0.90 | 1.2053 | 45.7 | 45.7 | 0.009517 | 0.009517 | 91.35 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:42 | 1466692 | 0.90 | 1.1260 | 44.6 | 44.6 | 0.0102 | 0.0102 | 89.27 | |
| PCB-198 | 47:30 | 2144389 | 0.91 | 0.8183 | 89.8 | 89.8 | 0.0140 | 0.0140 | 89.81 | |
| PCB-199 (C198) | 47:30 | 2144389 | 0.91 | 0.8183 | 89.8 | 89.8 | 0.0140 | 0.0140 | 89.81 | |
| PCB-196 | 48:10 | 1154642 | 0.90 | 0.8748 | 45.2 | 45.2 | 0.0131 | 0.0131 | 90.46 | |
| PCB-203 | 48:22 | 1208710 | 0.90 | 0.9219 | 44.9 | 44.9 | 0.0124 | 0.0124 | 89.86 | |
| PCB-195 | 49:42 | 1537485 | 0.89 | 0.7839 | 47.4 | 47.4 | 0.1087 | 0.1087 | 94.82 | |
| PCB-194 | 52:03 | 1801792 | 0.90 | 0.9282 | 46.9 | 46.9 | 0.0918 | 0.0918 | 93.85 | |
| PCB-205 | 52:31 | 2340395 | 0.90 | 1.2342 | 45.8 | 45.8 | 0.0690 | 0.0690 | 91.67 | |
| S Total Nonachlorobipheny | | | | | 135.9 | 135.9 | 0.1316 | 0.1316 | | |
| D PCB-208L | 49:26 | 3759211 | 0.78 | 1.1383 | 96.2 | 96.2 | 0.2958 | 0.2958 | 96.19 | |
| D PCB-206L | 54:15 | 2938376 | 0.82 | 0.8938 | 95.7 | 95.7 | 0.3767 | 0.3767 | 95.75 | |
| PCB-208 | 49:28 | 1974038 | 0.79 | 1.1567 | 45.4 | 45.4 | 0.1224 | 0.1224 | 90.79 | |
| PCB-207 | 50:24 | 2104033 | 0.78 | 1.3964 | 45.0 | 45.0 | 0.1155 | 0.1155 | 89.99 | |
| PCB-206 | 54:17 | 1595777 | 0.80 | 1.1927 | 45.5 | 45.5 | 0.1571 | 0.1571 | 91.07 | |
| D PCB-209L | 55:55 | 3261764 | 0.71 | 0.9809 | 96.9 | 96.9 | 0.0487 | 0.0487 | 96.86 | |
| DCB Decachlorobiphenyl | 55:56 | 1856973 | 0.70 | 1.2455 | 45.7 | 45.7 | 0.0119 | 0.0119 | 91.42 | |
| S Polychlorinated bipheny | | | | | 9625.6 | 9625.6 | 0.1172 | 0.1172 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Aug-2019 17:01:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-004
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:37:39 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: mcwhirterl Date: 21-Aug-2019 21:12:34

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 11:48 | 11:48 | 0 | 0.729 | 3884074 | 1511026 | 713 | 1782 | 2119 | | M |
| 202.0766 | 11:48 | 11:48 | 0 | 0.729 | 1281463 | 508778 | 650 | 1625 | 783 | 3.03(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:58 | 13:58 | 0 | 0.863 | 4047594 | 1349517 | 713 | 1782 | 1893 | | |
| 202.0766 | 13:58 | 13:58 | 0 | 0.863 | 1276273 | 427261 | 650 | 1625 | 657 | 3.17(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:49 | 11:49 | 0 | 1.001 | 2236483 | 902207 | 878 | 2195 | 1028 | | |
| 190.0363 | 11:49 | 11:49 | 0 | 1.001 | 706182 | 289314 | 315 | 787 | 918 | 3.17(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:49 | 13:49 | 0 | 0.989 | 2241036 | 749593 | 878 | 2195 | 854 | | |
| 190.0363 | 13:49 | 13:49 | 0 | 0.989 | 710238 | 234886 | 315 | 787 | 746 | 3.16(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:59 | 13:59 | 0 | 1.001 | 2285259 | 749996 | 878 | 2195 | 854 | | |
| 190.0363 | 13:59 | 13:59 | 0 | 1.001 | 723731 | 238830 | 315 | 787 | 758 | 3.16(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:14 | 14:14 | 0 | 0.879 | 1435504 | 464307 | 424 | 1060 | 1095 | | |
| 236.0376 | 14:14 | 14:14 | 0 | 0.879 | 880674 | 290496 | 134 | 335 | 2168 | 1.63(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:11 | 16:11 | 0 | | 2356915 | 672980 | 424 | 1060 | 1587 | | |
| 236.0376 | 16:11 | 16:11 | 0 | | 1453421 | 426907 | 134 | 335 | 3186 | 1.62(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:01 | 17:01 | 0 | 1.197 | 1131129 | 312059 | 424 | 1060 | 736 | | |
| 236.0376 | 17:01 | 17:01 | 0 | 1.197 | 697557 | 196169 | 134 | 335 | 1464 | 1.62(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:07 | 20:07 | 0 | 1.242 | 2410381 | 595868 | 424 | 1060 | 1405 | | |
| 236.0376 | 20:07 | 20:07 | 0 | 1.242 | 1441036 | 371431 | 134 | 335 | 2772 | 1.67(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:14 | 14:14 | 0 | 1.001 | 867968 | 291052 | 58 | 145 | 5018 | | |
| 223.9974 | 14:14 | 14:14 | 0 | 1.001 | 542816 | 182069 | 69 | 172 | 2639 | 1.60(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:25 | 14:25 | 0 | 1.013 | 1427866 | 468172 | 58 | 145 | 8072 | | |
| 223.9974 | 14:25 | 14:25 | 0 | 1.013 | 880366 | 286761 | 69 | 172 | 4156 | 1.62(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:13 | 16:13 | 0 | 1.140 | 1317357 | 392617 | 58 | 145 | 6769 | | |
| 223.9974 | 16:13 | 16:13 | 0 | 1.140 | 829713 | 247804 | 69 | 172 | 3591 | 1.59(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:23 | 16:23 | 0 | 1.152 | 1500743 | 423728 | 58 | 145 | 7306 | | |
| 223.9974 | 16:22 | 16:23 | -1 | 1.151 | 948500 | 268321 | 69 | 172 | 3889 | 1.58(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:37 | 16:37 | 0 | 1.168 | 1431525 | 409909 | 58 | 145 | 7067 | | |
| 223.9974 | 16:37 | 16:37 | 0 | 1.168 | 897584 | 254728 | 69 | 172 | 3692 | 1.59(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:55 | 16:55 | 0 | 1.189 | 1442506 | 411700 | 58 | 145 | 7098 | | |
| 223.9974 | 16:55 | 16:55 | 0 | 1.189 | 903841 | 258481 | 69 | 172 | 3746 | 1.60(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:03 | 17:03 | 0 | 1.198 | 1451572 | 408900 | 58 | 145 | 7050 | | |
| 223.9974 | 17:03 | 17:03 | 0 | 1.198 | 905673 | 256101 | 69 | 172 | 3712 | 1.60(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:40 | 18:40 | 0 | 0.928 | 1665538 | 437115 | 58 | 145 | 7536 | | |
| 223.9974 | 18:40 | 18:40 | 0 | 0.928 | 1056369 | 278696 | 69 | 172 | 4039 | 1.58(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:30 | 19:30 | 0 | 0.970 | 1426721 | 362657 | 58 | 145 | 6253 | | |
| 223.9974 | 19:30 | 19:30 | 0 | 0.970 | 880807 | 224129 | 69 | 172 | 3248 | 1.62(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | Ma |
| 222.0003 | 19:50 | 19:50 | 0 | 0.986 | 2831988 | 437358 | 58 | 145 | 7541 | | M |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 1788831 | 276255 | 69 | 172 | 4004 | 1.58(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | Ma |
| 222.0003 | 19:50 | 19:50 | 0 | 0.986 | 2831988 | 437358 | 58 | 145 | 7541 | | M |
| 223.9974 | 19:50 | 19:50 | 0 | 0.986 | 1788831 | 276255 | 69 | 172 | 4004 | 1.58(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:07 | 20:07 | 0 | 1.001 | 1549340 | 351898 | 58 | 145 | 6067 | | |
| 223.9974 | 20:07 | 20:07 | 0 | 1.001 | 983599 | 223298 | 69 | 172 | 3236 | 1.58(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:19 | 0 | 0.841 | 657992 | 182399 | 417 | 1042 | 437 | | |
| 269.9986 | 17:19 | 17:19 | 0 | 0.841 | 629767 | 178336 | 274 | 685 | 651 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:36 | 20:36 | 0 | | 1073616 | 268599 | 417 | 1042 | 644 | | |
| 269.9986 | 20:36 | 20:36 | 0 | | 973323 | 241549 | 274 | 685 | 882 | 1.10(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:51 | 22:51 | 0 | | 3248912 | 787681 | 724 | 1810 | 1088 | | |
| 269.9986 | 22:51 | 22:51 | 0 | | 3021164 | 736562 | 544 | 1360 | 1354 | 1.08(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:09 | 23:09 | 0 | 1.013 | 1705740 | 399200 | 724 | 1810 | 551 | | |
| 269.9986 | 23:09 | 23:09 | 0 | 1.013 | 1661462 | 390539 | 544 | 1360 | 718 | 1.03(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:09 | 27:09 | 0 | 1.188 | 2935052 | 626700 | 724 | 1810 | 866 | | |
| 269.9986 | 27:09 | 27:09 | 0 | 1.188 | 2725298 | 594209 | 544 | 1360 | 1092 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:21 | 0 | 1.002 | 424998 | 119363 | 31 | 77 | 3850 | | |
| 257.9584 | 17:21 | 17:21 | 0 | 1.002 | 397830 | 111825 | 30 | 75 | 3728 | 1.07(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 0 | 1.108 | 1155409 | 252775 | 31 | 77 | 8154 | | |
| 257.9584 | 19:12 | 19:12 | 0 | 1.108 | 1075521 | 237437 | 30 | 75 | 7915 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 0 | 1.108 | 1155409 | 252775 | 31 | 77 | 8154 | | |
| 257.9584 | 19:12 | 19:12 | 0 | 1.108 | 1075521 | 237437 | 30 | 75 | 7915 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:38 | 19:38 | 0 | 1.134 | 488725 | 128539 | 31 | 77 | 4146 | | |
| 257.9584 | 19:38 | 19:38 | 0 | 1.134 | 453622 | 117139 | 30 | 75 | 3905 | 1.08(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:51 | 19:51 | 0 | 1.146 | 677033 | 173967 | 31 | 77 | 5612 | | |
| 257.9584 | 19:51 | 19:51 | 0 | 1.146 | 625951 | 162115 | 30 | 75 | 5404 | 1.08(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | 19:59 | 0 | 1.153 | 663746 | 168871 | 31 | 77 | 5447 | | |
| 257.9584 | 19:59 | 19:59 | 0 | 1.153 | 612364 | 156644 | 30 | 75 | 5221 | 1.08(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:06 | 20:06 | 0 | 1.160 | 371267 | 97931 | 31 | 77 | 3159 | | |
| 257.9584 | 20:06 | 20:06 | 0 | 1.160 | 352550 | 92593 | 30 | 75 | 3086 | 1.05(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:37 | 20:37 | 0 | 1.190 | 722340 | 174641 | 31 | 77 | 5634 | | |
| 257.9584 | 20:36 | 20:37 | -1 | 1.189 | 668922 | 166215 | 30 | 75 | 5541 | 1.08(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:53 | 21:53 | 0 | 1.263 | 1764106 | 434926 | 1013 | 2532 | 429 | | |
| 257.9584 | 21:53 | 21:53 | 0 | 1.263 | 1610488 | 401060 | 1149 | 2872 | 349 | 1.10(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | 22:02 | 0 | 1.272 | 1788958 | 439811 | 1013 | 2532 | 434 | | |
| 257.9584 | 22:02 | 22:02 | 0 | 1.272 | 1640151 | 406117 | 1149 | 2872 | 353 | 1.09(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:21 | 22:21 | 0 | 1.290 | 3650664 | 678346 | 1013 | 2532 | 670 | | |
| 257.9584 | 22:21 | 22:21 | 0 | 1.290 | 3391909 | 632847 | 1149 | 2872 | 551 | 1.08(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:21 | 22:21 | 0 | 1.290 | 3650664 | 678346 | 1013 | 2532 | 670 | | |
| 257.9584 | 22:21 | 22:21 | 0 | 1.290 | 3391909 | 632847 | 1149 | 2872 | 551 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:34 | 22:34 | 0 | 0.831 | 1905029 | 427385 | 1013 | 2532 | 422 | | |
| 257.9584 | 22:34 | 22:34 | 0 | 0.831 | 1733355 | 394651 | 1149 | 2872 | 343 | 1.10(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:53 | 22:53 | 0 | 0.843 | 1905789 | 448595 | 1013 | 2532 | 443 | | |
| 257.9584 | 22:53 | 22:53 | 0 | 0.843 | 1775379 | 418705 | 1149 | 2872 | 364 | 1.07(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | 0 | 0.854 | 3565726 | 730578 | 1013 | 2532 | 721 | | |
| 257.9584 | 23:11 | 23:11 | 0 | 0.854 | 3328292 | 686670 | 1149 | 2872 | 598 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | 0 | 0.854 | 3565726 | 730578 | 1013 | 2532 | 721 | | |
| 257.9584 | 23:11 | 23:11 | 0 | 0.854 | 3328292 | 686670 | 1149 | 2872 | 598 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:25 | 23:25 | 0 | 0.862 | 3916756 | 482506 | 1013 | 2532 | 476 | | |
| 257.9584 | 23:25 | 23:25 | 0 | 0.862 | 3521023 | 443812 | 1149 | 2872 | 386 | 1.11(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:25 | 23:25 | 0 | 0.862 | 3916756 | 482506 | 1013 | 2532 | 476 | | |
| 257.9584 | 23:25 | 23:25 | 0 | 0.862 | 3521023 | 443812 | 1149 | 2872 | 386 | 1.11(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:49 | 23:49 | 0 | 0.877 | 1751131 | 401885 | 1013 | 2532 | 397 | | |
| 257.9584 | 23:49 | 23:49 | 0 | 0.877 | 1597749 | 366060 | 1149 | 2872 | 319 | 1.10(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | Ma |
| 255.9613 | 25:22 | 25:22 | 0 | 0.934 | 1847728 | 413027 | 1013 | 2532 | 408 | | M |
| 257.9584 | 25:22 | 25:22 | 0 | 0.934 | 1721986 | 384750 | 1149 | 2872 | 335 | 1.07(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:44 | 25:44 | 0 | 0.948 | 1918866 | 415076 | 1013 | 2532 | 410 | | |
| 257.9584 | 25:44 | 25:44 | 0 | 0.948 | 1794022 | 386184 | 1149 | 2872 | 336 | 1.07(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:19 | 26:19 | 0 | 0.969 | 1770272 | 388889 | 1013 | 2532 | 384 | | |
| 257.9584 | 26:19 | 26:19 | 0 | 0.969 | 1615532 | 353735 | 1149 | 2872 | 308 | 1.10(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | Ma |
| 255.9613 | 26:46 | 26:46 | 0 | 0.986 | 1668916 | 368205 | 1013 | 2532 | 363 | | M |
| 257.9584 | 26:46 | 26:46 | 0 | 0.986 | 1543581 | 345479 | 1149 | 2872 | 301 | 1.08(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:11 | 27:11 | 0 | 1.001 | 1774066 | 367860 | 1013 | 2532 | 363 | | |
| 257.9584 | 27:11 | 27:11 | 0 | 1.001 | 1624632 | 341895 | 1149 | 2872 | 298 | 1.09(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:25 | 20:25 | 0 | 0.817 | 603137 | 148826 | 82 | 205 | 1815 | | |
| 303.9597 | 20:25 | 20:25 | 1 | 0.817 | 763063 | 191418 | 3 | 7 | 63806 | 0.79(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 25:00 | 25:00 | 0 | | 1593826 | 367838 | 619 | 1547 | 594 | | |
| 303.9597 | 25:00 | 25:00 | 0 | | 2012725 | 456622 | 645 | 1612 | 708 | 0.79(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:56 | 32:56 | 0 | 0.970 | 1025914 | 212139 | 619 | 1547 | 343 | | |
| 303.9597 | 32:56 | 32:56 | 0 | 0.970 | 1276005 | 270207 | 645 | 1612 | 419 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:56 | 33:56 | 0 | 1.358 | 1923500 | 386511 | 619 | 1547 | 624 | | |
| 303.9597 | 33:56 | 33:56 | 0 | 1.358 | 2391339 | 480919 | 645 | 1612 | 746 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:29 | 34:29 | 0 | 1.380 | 1966131 | 391906 | 619 | 1547 | 633 | | |
| 303.9597 | 34:29 | 34:29 | 0 | 1.380 | 2500840 | 496924 | 645 | 1612 | 770 | 0.79(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:26 | 20:26 | 0 | 1.000 | 352461 | 89903 | 17 | 42 | 5288 | | |
| 291.9194 | 20:26 | 20:26 | 0 | 1.000 | 447602 | 112524 | 21 | 52 | 5358 | 0.79(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.108 | 1769228 | 320380 | 560 | 1400 | 572 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.108 | 2271980 | 407633 | 830 | 2075 | 491 | 0.78(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.108 | 1769228 | 320380 | 560 | 1400 | 572 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.108 | 2271980 | 407633 | 830 | 2075 | 491 | 0.78(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:21 | 23:21 | 0 | 1.144 | 1697547 | 219576 | 560 | 1400 | 392 | | M |
| 291.9194 | 23:21 | 23:21 | 0 | 1.144 | 2148851 | 279183 | 830 | 2075 | 336 | 0.79(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:21 | 23:21 | 0 | 1.144 | 1697547 | 219576 | 560 | 1400 | 392 | | M |
| 291.9194 | 23:21 | 23:21 | 0 | 1.144 | 2148851 | 279183 | 830 | 2075 | 336 | 0.79(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:35 | 23:35 | 0 | 1.155 | 720595 | 167132 | 560 | 1400 | 298 | | |
| 291.9194 | 23:35 | 23:35 | 0 | 1.155 | 902545 | 212408 | 830 | 2075 | 256 | 0.80(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | Ma |
| 289.9224 | 25:00 | 25:00 | 0 | 1.225 | 858821 | 195398 | 560 | 1400 | 349 | | M |
| 291.9194 | 25:00 | 25:00 | 0 | 1.225 | 1085068 | 249561 | 830 | 2075 | 301 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:09 | 25:09 | 0 | 1.233 | 1899610 | 268820 | 560 | 1400 | 480 | | M |
| 291.9194 | 25:09 | 25:09 | 0 | 1.233 | 2437152 | 339925 | 830 | 2075 | 410 | 0.78(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:09 | 25:09 | 0 | 1.233 | 1899610 | 268820 | 560 | 1400 | 480 | | M |
| 291.9194 | 25:09 | 25:09 | 0 | 1.233 | 2437152 | 339925 | 830 | 2075 | 410 | 0.78(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | Ma |
| 289.9224 | 25:29 | 25:29 | 0 | 1.248 | 2127908 | 337572 | 560 | 1400 | 603 | | M |
| 291.9194 | 25:29 | 25:29 | 0 | 1.248 | 2702397 | 426141 | 830 | 2075 | 513 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | Ma |
| 289.9224 | 25:29 | 25:29 | 0 | 1.248 | 2127908 | 337572 | 560 | 1400 | 603 | | M |
| 291.9194 | 25:29 | 25:29 | 0 | 1.248 | 2702397 | 426141 | 830 | 2075 | 513 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:48 | 25:48 | 0 | 1.264 | 861206 | 195070 | 560 | 1400 | 348 | | |
| 291.9194 | 25:48 | 25:48 | 0 | 1.264 | 1115392 | 253491 | 830 | 2075 | 305 | 0.77(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.276 | 2773366 | 474655 | 560 | 1400 | 848 | | |
| 291.9194 | 26:02 | 26:02 | 0 | 1.276 | 3518351 | 604962 | 830 | 2075 | 729 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.276 | 2773366 | 474655 | 560 | 1400 | 848 | | |
| 291.9194 | 26:02 | 26:02 | 0 | 1.276 | 3518351 | 604962 | 830 | 2075 | 729 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | 0 | 1.276 | 2773366 | 474655 | 560 | 1400 | 848 | | |
| 291.9194 | 26:02 | 26:02 | 0 | 1.276 | 3518351 | 604962 | 830 | 2075 | 729 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:20 | 0 | 1.290 | 3613126 | 548574 | 560 | 1400 | 980 | | |
| 291.9194 | 26:20 | 26:20 | 0 | 1.290 | 4600459 | 692900 | 830 | 2075 | 835 | 0.79(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:20 | 0 | 1.290 | 3613126 | 548574 | 560 | 1400 | 980 | | |
| 291.9194 | 26:20 | 26:20 | 0 | 1.290 | 4600459 | 692900 | 830 | 2075 | 835 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:20 | 26:20 | 0 | 1.290 | 3613126 | 548574 | 560 | 1400 | 980 | | |
| 291.9194 | 26:20 | 26:20 | 0 | 1.290 | 4600459 | 692900 | 830 | 2075 | 835 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:33 | 26:33 | 0 | 1.301 | 795714 | 180829 | 560 | 1400 | 323 | | |
| 291.9194 | 26:33 | 26:33 | 0 | 1.301 | 1021365 | 229233 | 830 | 2075 | 276 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 0 | 1.324 | 2512559 | 376199 | 560 | 1400 | 672 | | M |
| 291.9194 | 27:02 | 27:02 | 0 | 1.324 | 3216462 | 481857 | 830 | 2075 | 581 | 0.78(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 0 | 1.324 | 2512559 | 376199 | 560 | 1400 | 672 | | M |
| 291.9194 | 27:02 | 27:02 | 0 | 1.324 | 3216462 | 481857 | 830 | 2075 | 581 | 0.78(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 0 | 1.324 | 2512559 | 376199 | 560 | 1400 | 672 | | M |
| 291.9194 | 27:02 | 27:02 | 0 | 1.324 | 3216462 | 481857 | 830 | 2075 | 581 | 0.78(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | Ma |
| 289.9224 | 27:15 | 27:15 | 0 | 1.336 | 1276649 | 286721 | 560 | 1400 | 512 | | M |
| 291.9194 | 27:15 | 27:15 | 0 | 1.336 | 1657403 | 362483 | 830 | 2075 | 437 | 0.77(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:06 | 28:06 | 0 | 0.828 | 1220866 | 272474 | 560 | 1400 | 487 | | |
| 291.9194 | 28:06 | 28:06 | 0 | 0.828 | 1560406 | 343048 | 830 | 2075 | 413 | 0.78(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:23 | 28:23 | 0 | 0.837 | 1346996 | 281682 | 560 | 1400 | 503 | | |
| 291.9194 | 28:22 | 28:23 | -1 | 0.836 | 1736967 | 358737 | 830 | 2075 | 432 | 0.78(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:48 | 28:48 | 0 | 0.849 | 1164191 | 256483 | 560 | 1400 | 458 | | |
| 291.9194 | 28:48 | 28:48 | 0 | 0.849 | 1489809 | 327251 | 830 | 2075 | 394 | 0.78(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:02 | 29:02 | 0 | 0.856 | 1208682 | 262044 | 560 | 1400 | 468 | | |
| 291.9194 | 29:02 | 29:02 | 0 | 0.856 | 1530502 | 326834 | 830 | 2075 | 394 | 0.79(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:12 | 29:12 | 0 | 0.861 | 1302823 | 261775 | 560 | 1400 | 467 | | |
| 291.9194 | 29:12 | 29:12 | 0 | 0.861 | 1655647 | 331767 | 830 | 2075 | 400 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:28 | 29:28 | 0 | 0.868 | 1341700 | 283662 | 560 | 1400 | 507 | | |
| 291.9194 | 29:28 | 29:28 | 0 | 0.868 | 1711727 | 359146 | 830 | 2075 | 433 | 0.78(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 4834179 | 528578 | 560 | 1400 | 944 | | |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 6205136 | 675925 | 830 | 2075 | 814 | 0.78(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 4834179 | 528578 | 560 | 1400 | 944 | | |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 6205136 | 675925 | 830 | 2075 | 814 | 0.78(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 4834179 | 528578 | 560 | 1400 | 944 | | |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 6205136 | 675925 | 830 | 2075 | 814 | 0.78(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:49 | 29:49 | 0 | 0.879 | 4834179 | 528578 | 560 | 1400 | 944 | | |
| 291.9194 | 29:49 | 29:49 | 0 | 0.879 | 6205136 | 675925 | 830 | 2075 | 814 | 0.78(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:08 | 30:08 | 0 | 0.888 | 1170678 | 244364 | 560 | 1400 | 436 | | |
| 291.9194 | 30:08 | 30:08 | 0 | 0.888 | 1514364 | 312183 | 830 | 2075 | 376 | 0.77(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:18 | 30:18 | 0 | 0.893 | 1171279 | 247732 | 560 | 1400 | 442 | | |
| 291.9194 | 30:18 | 30:18 | 0 | 0.893 | 1503140 | 317475 | 830 | 2075 | 383 | 0.78(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:48 | 30:48 | 0 | 0.908 | 1142655 | 243828 | 560 | 1400 | 435 | | |
| 291.9194 | 30:48 | 30:48 | 0 | 0.908 | 1452245 | 311900 | 830 | 2075 | 376 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:00 | 31:00 | 0 | 0.914 | 1173098 | 242646 | 560 | 1400 | 433 | | |
| 291.9194 | 31:00 | 31:00 | 0 | 0.914 | 1490008 | 311334 | 830 | 2075 | 375 | 0.79(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | Ma |
| 289.9224 | 31:26 | 31:26 | 0 | 0.926 | 1320594 | 277443 | 560 | 1400 | 495 | | M |
| 291.9194 | 31:26 | 31:26 | 0 | 0.926 | 1706119 | 359759 | 830 | 2075 | 433 | 0.77(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:57 | 32:57 | 0 | 0.971 | 1401911 | 277975 | 560 | 1400 | 496 | | |
| 291.9194 | 32:57 | 32:57 | 0 | 0.971 | 1755191 | 344972 | 830 | 2075 | 416 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:31 | 33:31 | 0 | 0.988 | 1120764 | 233052 | 560 | 1400 | 416 | | |
| 291.9194 | 33:31 | 33:31 | 0 | 0.988 | 1432611 | 293938 | 830 | 2075 | 354 | 0.78(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:57 | 33:57 | 0 | 1.000 | 1149578 | 228496 | 560 | 1400 | 408 | | |
| 291.9194 | 33:57 | 33:57 | 0 | 1.000 | 1474780 | 295559 | 830 | 2075 | 356 | 0.78(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:30 | 34:30 | 0 | 1.000 | 1166102 | 229709 | 560 | 1400 | 410 | | |
| 291.9194 | 34:30 | 34:30 | 0 | 1.000 | 1497176 | 295941 | 830 | 2075 | 357 | 0.78(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:57 | 25:57 | 0 | 0.814 | 2118578 | 475891 | 68 | 170 | 6998 | | |
| 339.9178 | 25:57 | 25:57 | 0 | 0.814 | 1302024 | 290194 | 74 | 185 | 3922 | 1.63(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:54 | 28:54 | 0 | 1.114 | 776849 | 173482 | 68 | 170 | 2551 | | |
| 339.9178 | 28:54 | 28:54 | 0 | 1.114 | 489357 | 105931 | 74 | 185 | 1432 | 1.59(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:51 | 31:51 | 0 | | 1727525 | 367431 | 68 | 170 | 5403 | | |
| 339.9178 | 31:51 | 31:51 | 0 | | 1055469 | 221205 | 74 | 185 | 2989 | 1.64(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:33 | 34:33 | 0 | 1.085 | 1119585 | 235667 | 68 | 170 | 3466 | | |
| 339.9178 | 34:33 | 34:33 | 0 | 1.085 | 684544 | 142210 | 74 | 185 | 1922 | 1.64(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:30 | 36:30 | 0 | 1.146 | 2693115 | 552464 | 1926 | 4815 | 287 | | |
| 339.9178 | 36:30 | 36:30 | 0 | 1.146 | 1704990 | 348903 | 1495 | 3737 | 233 | 1.58(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:50 | 36:50 | 0 | 1.156 | 2822419 | 574354 | 1926 | 4815 | 298 | | |
| 339.9178 | 36:50 | 36:50 | 0 | 1.156 | 1806924 | 363019 | 1495 | 3737 | 243 | 1.56(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:22 | 37:22 | 0 | 1.173 | 2723156 | 542095 | 1926 | 4815 | 281 | | |
| 339.9178 | 37:21 | 37:22 | -1 | 1.173 | 1716732 | 346159 | 1495 | 3737 | 232 | 1.59(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 38:00 | 38:00 | 0 | 1.193 | 2705623 | 549990 | 1926 | 4815 | 286 | | |
| 339.9178 | 38:00 | 38:00 | 0 | 1.193 | 1749494 | 352524 | 1495 | 3737 | 236 | 1.55(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:30 | 39:30 | 0 | | 2703966 | 525049 | 1926 | 4815 | 273 | | |
| 339.9178 | 39:30 | 39:30 | 0 | | 1739761 | 338997 | 1495 | 3737 | 227 | 1.55(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:05 | 41:05 | 0 | 1.290 | 2405782 | 464568 | 1926 | 4815 | 241 | | |
| 339.9178 | 41:05 | 41:05 | 0 | 1.290 | 1494602 | 288097 | 1495 | 3737 | 193 | 1.61(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:58 | 25:58 | 0 | 1.001 | 1357185 | 308056 | 50 | 125 | 6161 | | |
| 327.8775 | 25:58 | 25:58 | 0 | 1.001 | 855859 | 192933 | 19 | 47 | 10154 | 1.59(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:20 | 26:20 | 0 | 1.015 | 1202226 | 274358 | 50 | 125 | 5487 | | |
| 327.8775 | 26:20 | 26:20 | 0 | 1.015 | 747987 | 167859 | 19 | 47 | 8835 | 1.61(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:16 | 28:16 | 0 | 1.090 | 1026457 | 226727 | 50 | 125 | 4535 | | |
| 327.8775 | 28:16 | 28:16 | 0 | 1.090 | 647654 | 141740 | 19 | 47 | 7460 | 1.58(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:30 | 28:30 | 0 | 1.099 | 910675 | 196978 | 50 | 125 | 3940 | | |
| 327.8775 | 28:30 | 28:30 | 0 | 1.099 | 572274 | 125110 | 19 | 47 | 6585 | 1.59(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:56 | 28:56 | 0 | 1.115 | 962819 | 211958 | 50 | 125 | 4239 | | |
| 327.8775 | 28:56 | 28:56 | 0 | 1.115 | 602866 | 130337 | 19 | 47 | 6860 | 1.60(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:10 | 0 | 1.124 | 1913508 | 410191 | 50 | 125 | 8204 | | |
| 327.8775 | 29:10 | 29:10 | 0 | 1.124 | 1213480 | 257935 | 19 | 47 | 13576 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:10 | 29:10 | 0 | 1.124 | 1913508 | 410191 | 50 | 125 | 8204 | | |
| 327.8775 | 29:10 | 29:10 | 0 | 1.124 | 1213480 | 257935 | 19 | 47 | 13576 | 1.58(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:18 | 29:18 | 0 | 1.129 | 1941991 | 234595 | 50 | 125 | 4692 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.129 | 1232186 | 149295 | 19 | 47 | 7858 | 1.58(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:18 | 29:18 | 0 | 1.129 | 1941991 | 234595 | 50 | 125 | 4692 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.129 | 1232186 | 149295 | 19 | 47 | 7858 | 1.58(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | M |
| 325.8804 | 29:48 | 29:48 | 0 | 1.149 | 1929855 | 221369 | 50 | 125 | 4427 | | M |
| 327.8775 | 29:48 | 29:48 | 0 | 1.149 | 1218726 | 143710 | 19 | 47 | 7564 | 1.58(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | M |
| 325.8804 | 29:48 | 29:48 | 0 | 1.149 | 1929855 | 221369 | 50 | 125 | 4427 | | M |
| 327.8775 | 29:48 | 29:48 | 0 | 1.149 | 1218726 | 143710 | 19 | 47 | 7564 | 1.58(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:01 | 30:01 | 0 | 1.157 | 820061 | 171767 | 50 | 125 | 3435 | | |
| 327.8775 | 30:01 | 30:01 | 0 | 1.157 | 524076 | 110654 | 19 | 47 | 5824 | 1.56(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:30 | 30:30 | 0 | 1.175 | 880257 | 186699 | 50 | 125 | 3734 | | |
| 327.8775 | 30:30 | 30:30 | 0 | 1.175 | 563252 | 118567 | 19 | 47 | 6240 | 1.56(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | M |
| 325.8804 | 30:56 | 30:56 | 0 | 1.192 | 1348684 | 288764 | 50 | 125 | 5775 | | M |
| 327.8775 | 30:56 | 30:56 | 0 | 1.192 | 843343 | 181959 | 19 | 47 | 9577 | 1.60(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | Ma |
| 325.8804 | 31:18 | 31:18 | 0 | 0.857 | 926003 | 196964 | 50 | 125 | 3939 | | M |
| 327.8775 | 31:18 | 31:18 | 0 | 0.857 | 589001 | 125403 | 19 | 47 | 6600 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.228 | 3238154 | 465931 | 50 | 125 | 9319 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.228 | 2049639 | 295835 | 19 | 47 | 15570 | 1.58(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.228 | 3238154 | 465931 | 50 | 125 | 9319 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.228 | 2049639 | 295835 | 19 | 47 | 15570 | 1.58(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.228 | 3238154 | 465931 | 50 | 125 | 9319 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.228 | 2049639 | 295835 | 19 | 47 | 15570 | 1.58(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:28 | 32:28 | 0 | 1.251 | 1833691 | 219845 | 50 | 125 | 4397 | | |
| 327.8775 | 32:28 | 32:28 | 0 | 1.251 | 1192810 | 139832 | 19 | 47 | 7360 | 1.54(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:28 | 32:28 | 0 | 1.251 | 1833691 | 219845 | 50 | 125 | 4397 | | |
| 327.8775 | 32:28 | 32:28 | 0 | 1.251 | 1192810 | 139832 | 19 | 47 | 7360 | 1.54(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:35 | 32:35 | 0 | 1.256 | 1345517 | 270036 | 50 | 125 | 5401 | | |
| 327.8775 | 32:35 | 32:35 | 0 | 1.256 | 844062 | 170910 | 19 | 47 | 8995 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 6671178 | 765226 | 50 | 125 | 15305 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 4209321 | 484222 | 19 | 47 | 25485 | 1.58(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 6671178 | 765226 | 50 | 125 | 15305 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 4209321 | 484222 | 19 | 47 | 25485 | 1.58(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 6671178 | 765226 | 50 | 125 | 15305 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 4209321 | 484222 | 19 | 47 | 25485 | 1.58(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 6671178 | 765226 | 50 | 125 | 15305 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 4209321 | 484222 | 19 | 47 | 25485 | 1.58(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 6671178 | 765226 | 50 | 125 | 15305 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 4209321 | 484222 | 19 | 47 | 25485 | 1.58(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.270 | 6671178 | 765226 | 50 | 125 | 15305 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.270 | 4209321 | 484222 | 19 | 47 | 25485 | 1.58(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | 0 | 1.299 | 3476498 | 449899 | 50 | 125 | 8998 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 2204316 | 286480 | 19 | 47 | 15078 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | 0 | 1.299 | 3476498 | 449899 | 50 | 125 | 8998 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 2204316 | 286480 | 19 | 47 | 15078 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | 0 | 1.299 | 3476498 | 449899 | 50 | 125 | 8998 | | |
| 327.8775 | 33:41 | 33:41 | 0 | 1.299 | 2204316 | 286480 | 19 | 47 | 15078 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:56 | 33:56 | 0 | 1.308 | 2578457 | 283851 | 50 | 125 | 5677 | | |
| 327.8775 | 33:56 | 33:56 | 0 | 1.308 | 1629676 | 181188 | 19 | 47 | 9536 | 1.58(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:56 | 33:56 | 0 | 1.308 | 2578457 | 283851 | 50 | 125 | 5677 | | |
| 327.8775 | 33:56 | 33:56 | 0 | 1.308 | 1629676 | 181188 | 19 | 47 | 9536 | 1.58(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:10 | 34:10 | 0 | 1.317 | 838086 | 162105 | 50 | 125 | 3242 | | |
| 327.8775 | 34:10 | 34:10 | 0 | 1.317 | 542662 | 105019 | 19 | 47 | 5527 | 1.54(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:35 | 34:35 | 0 | 1.333 | 1386812 | 286784 | 50 | 125 | 5736 | | |
| 327.8775 | 34:35 | 34:35 | 0 | 1.333 | 872628 | 181529 | 19 | 47 | 9554 | 1.59(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:02 | 35:02 | 0 | 1.350 | 1423369 | 287068 | 50 | 125 | 5741 | | |
| 327.8775 | 35:02 | 35:02 | 0 | 1.350 | 903324 | 182330 | 19 | 47 | 9596 | 1.58(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.394 | 3114936 | 611443 | 1382 | 3455 | 442 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.394 | 1936321 | 385160 | 671 | 1677 | 574 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.394 | 3114936 | 611443 | 1382 | 3455 | 442 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.394 | 1936321 | 385160 | 671 | 1677 | 574 | 1.61(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:25 | 36:25 | 0 | 1.404 | 1663826 | 324805 | 1382 | 3455 | 235 | | |
| 327.8775 | 36:25 | 36:25 | 0 | 1.404 | 1066053 | 207999 | 671 | 1677 | 310 | 1.56(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:32 | 36:32 | 0 | 1.001 | 1672930 | 347034 | 1382 | 3455 | 251 | | |
| 327.8775 | 36:32 | 36:32 | 0 | 1.001 | 1068809 | 219459 | 671 | 1677 | 327 | 1.57(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:39 | 36:39 | 0 | 1.004 | 1650920 | 324926 | 1382 | 3455 | 235 | | |
| 327.8775 | 36:39 | 36:39 | 0 | 1.004 | 1036107 | 205661 | 671 | 1677 | 306 | 1.59(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:51 | 36:51 | 0 | 1.001 | 1712130 | 326997 | 1382 | 3455 | 237 | | |
| 327.8775 | 36:51 | 36:51 | 0 | 1.001 | 1089795 | 210493 | 671 | 1677 | 314 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:12 | 37:12 | 0 | 1.010 | 1440142 | 291540 | 1382 | 3455 | 211 | | |
| 327.8775 | 37:12 | 37:12 | 0 | 1.010 | 922053 | 184245 | 671 | 1677 | 275 | 1.56(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:23 | 37:23 | 0 | 1.000 | 1747113 | 332226 | 1382 | 3455 | 240 | | |
| 327.8775 | 37:23 | 37:23 | 0 | 1.000 | 1123376 | 212422 | 671 | 1677 | 317 | 1.56(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:02 | 38:02 | 0 | 1.001 | 1605881 | 306899 | 1382 | 3455 | 222 | | |
| 327.8775 | 38:02 | 38:02 | 0 | 1.001 | 1022978 | 193840 | 671 | 1677 | 289 | 1.57(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | Ma |
| 325.8804 | 39:31 | 39:31 | 0 | 1.040 | 1595237 | 308617 | 1382 | 3455 | 223 | | M |
| 327.8775 | 39:31 | 39:31 | 0 | 1.040 | 1005458 | 195842 | 671 | 1677 | 292 | 1.59(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:07 | 41:07 | 0 | 1.001 | 1499049 | 262051 | 1382 | 3455 | 190 | | |
| 327.8775 | 41:07 | 41:07 | 0 | 1.001 | 953958 | 167473 | 671 | 1677 | 250 | 1.57(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:38 | 31:38 | 0 | 0.792 | 1665636 | 348719 | 62 | 155 | 5625 | | |
| 373.8788 | 31:38 | 31:38 | 0 | 0.792 | 1287675 | 266389 | 33 | 82 | 8072 | 1.29(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:44 | 38:44 | 0 | 0.901 | 951971 | 200851 | 993 | 2482 | 202 | | |
| 373.8788 | 38:44 | 38:44 | 0 | 0.901 | 765925 | 160019 | 906 | 2265 | 177 | 1.24(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:58 | 39:58 | 0 | | 1852362 | 366147 | 993 | 2482 | 369 | | |
| 373.8788 | 39:57 | 39:58 | -1 | | 1464127 | 288564 | 906 | 2265 | 319 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:58 | 42:58 | 0 | 1.075 | 2281034 | 442419 | 993 | 2482 | 446 | | |
| 373.8788 | 42:58 | 42:58 | 0 | 1.075 | 1802396 | 356534 | 906 | 2265 | 394 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | 0 | 1.104 | 4396867 | 613626 | 993 | 2482 | 618 | | |
| 373.8788 | 44:07 | 44:07 | 0 | 1.104 | 3527716 | 498031 | 906 | 2265 | 550 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | 0 | 1.104 | 4396867 | 613626 | 993 | 2482 | 618 | | |
| 373.8788 | 44:07 | 44:07 | 0 | 1.104 | 3527716 | 498031 | 906 | 2265 | 550 | 1.25(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:22 | 47:22 | 0 | 1.185 | 1891892 | 352668 | 993 | 2482 | 355 | | |
| 373.8788 | 47:22 | 47:22 | 0 | 1.185 | 1515707 | 287775 | 906 | 2265 | 318 | 1.25(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:40 | 31:40 | 0 | 1.001 | 994085 | 210371 | 29 | 72 | 7254 | | |
| 361.8385 | 31:40 | 31:40 | 0 | 1.001 | 781339 | 165588 | 20 | 50 | 8279 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:51 | 31:51 | 0 | 1.006 | 930350 | 196984 | 29 | 72 | 6793 | | |
| 361.8385 | 31:51 | 31:51 | 0 | 1.006 | 726900 | 154090 | 20 | 50 | 7705 | 1.28(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:01 | 32:01 | 0 | 1.012 | 944876 | 201304 | 29 | 72 | 6942 | | |
| 361.8385 | 32:01 | 32:01 | 0 | 1.012 | 741048 | 156471 | 20 | 50 | 7824 | 1.28(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:22 | 32:22 | 0 | 1.023 | 879322 | 179596 | 29 | 72 | 6193 | | |
| 361.8385 | 32:22 | 32:22 | 0 | 1.023 | 686350 | 140097 | 20 | 50 | 7005 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:41 | 32:41 | 0 | 1.033 | 901680 | 188345 | 29 | 72 | 6495 | | |
| 361.8385 | 32:41 | 32:41 | 0 | 1.033 | 707320 | 147227 | 20 | 50 | 7361 | 1.27(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:13 | 34:13 | 0 | 1.081 | 671141 | 138468 | 29 | 72 | 4775 | | |
| 361.8385 | 34:12 | 34:13 | -1 | 1.081 | 529569 | 109061 | 20 | 50 | 5453 | 1.27(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:47 | 34:47 | 0 | 1.099 | 1291029 | 147564 | 29 | 72 | 5088 | | M |
| 361.8385 | 34:47 | 34:47 | 0 | 1.099 | 1018638 | 119318 | 20 | 50 | 5966 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:47 | 34:47 | 0 | 1.099 | 1291029 | 147564 | 29 | 72 | 5088 | | M |
| 361.8385 | 34:47 | 34:47 | 0 | 1.099 | 1018638 | 119318 | 20 | 50 | 5966 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:03 | 35:03 | 0 | 1.108 | 755530 | 155420 | 29 | 72 | 5359 | | |
| 361.8385 | 35:03 | 35:03 | 0 | 1.108 | 592960 | 122738 | 20 | 50 | 6137 | 1.27(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:21 | 35:21 | 0 | 1.117 | 687945 | 140308 | 29 | 72 | 4838 | | |
| 361.8385 | 35:21 | 35:21 | 0 | 1.117 | 537989 | 108779 | 20 | 50 | 5439 | 1.28(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | 0 | 1.129 | 1973238 | 401049 | 274 | 685 | 1464 | | |
| 361.8385 | 35:43 | 35:43 | 0 | 1.129 | 1569331 | 323270 | 178 | 445 | 1816 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | 0 | 1.129 | 1973238 | 401049 | 274 | 685 | 1464 | | |
| 361.8385 | 35:43 | 35:43 | 0 | 1.129 | 1569331 | 323270 | 178 | 445 | 1816 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 36:00 | 36:00 | 0 | 1.138 | 1728287 | 188355 | 274 | 685 | 687 | | |
| 361.8385 | 36:00 | 36:00 | 0 | 1.138 | 1382060 | 152137 | 178 | 445 | 855 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 36:00 | 36:00 | 0 | 1.138 | 1728287 | 188355 | 274 | 685 | 687 | | |
| 361.8385 | 36:00 | 36:00 | 0 | 1.138 | 1382060 | 152137 | 178 | 445 | 855 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | 0 | 1.148 | 1975423 | 373592 | 274 | 685 | 1363 | | |
| 361.8385 | 36:19 | 36:19 | 0 | 1.148 | 1587675 | 300416 | 178 | 445 | 1688 | 1.24(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | 0 | 1.148 | 1975423 | 373592 | 274 | 685 | 1363 | | |
| 361.8385 | 36:19 | 36:19 | 0 | 1.148 | 1587675 | 300416 | 178 | 445 | 1688 | 1.24(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:31 | 36:31 | 0 | 1.154 | 891468 | 178310 | 274 | 685 | 651 | | |
| 361.8385 | 36:31 | 36:31 | 0 | 1.154 | 684384 | 142170 | 178 | 445 | 799 | 1.30(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:40 | 36:40 | 0 | 1.159 | 867595 | 175569 | 274 | 685 | 641 | | |
| 361.8385 | 36:40 | 36:40 | 0 | 1.159 | 711204 | 141308 | 178 | 445 | 794 | 1.22(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:58 | 36:58 | 0 | 1.169 | 888756 | 177525 | 274 | 685 | 648 | | |
| 361.8385 | 36:58 | 36:58 | 0 | 1.169 | 704101 | 141408 | 178 | 445 | 794 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:29 | 37:29 | 0 | 1.185 | 922369 | 183141 | 274 | 685 | 668 | | |
| 361.8385 | 37:29 | 37:29 | 0 | 1.185 | 732368 | 147142 | 178 | 445 | 827 | 1.26(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:53 | 37:53 | 0 | 0.881 | 1146142 | 228610 | 274 | 685 | 834 | | |
| 361.8385 | 37:53 | 37:53 | 0 | 0.881 | 925007 | 187442 | 178 | 445 | 1053 | 1.24(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:08 | 38:08 | 0 | 0.887 | 994637 | 203440 | 274 | 685 | 742 | | |
| 361.8385 | 38:07 | 38:08 | -1 | 0.887 | 787052 | 161550 | 178 | 445 | 908 | 1.26(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:16 | 38:16 | 0 | 0.891 | 1355801 | 271165 | 274 | 685 | 990 | | |
| 361.8385 | 38:16 | 38:16 | 0 | 0.891 | 1072538 | 216032 | 178 | 445 | 1214 | 1.26(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.902 | 2457155 | 365011 | 274 | 685 | 1332 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.902 | 1955501 | 293722 | 178 | 445 | 1650 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.902 | 2457155 | 365011 | 274 | 685 | 1332 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.902 | 1955501 | 293722 | 178 | 445 | 1650 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:56 | 38:56 | 0 | 0.906 | 986611 | 192799 | 274 | 685 | 704 | | |
| 361.8385 | 38:56 | 38:56 | 0 | 0.906 | 752492 | 150343 | 178 | 445 | 845 | 1.31(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:20 | 39:20 | 0 | 0.915 | 830409 | 165143 | 274 | 685 | 603 | | |
| 361.8385 | 39:20 | 39:20 | 0 | 0.915 | 669003 | 136028 | 178 | 445 | 764 | 1.24(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:35 | 39:35 | 0 | 0.921 | 1074130 | 209712 | 274 | 685 | 765 | | |
| 361.8385 | 39:35 | 39:35 | 0 | 0.921 | 852964 | 167547 | 178 | 445 | 941 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:41 | 39:41 | 0 | 0.923 | 1245006 | 252789 | 274 | 685 | 923 | | |
| 361.8385 | 39:41 | 39:41 | 0 | 0.923 | 979241 | 202625 | 178 | 445 | 1138 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 4315300 | 480766 | 274 | 685 | 1755 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 3448880 | 386670 | 178 | 445 | 2172 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 4315300 | 480766 | 274 | 685 | 1755 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 3448880 | 386670 | 178 | 445 | 2172 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 4315300 | 480766 | 274 | 685 | 1755 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 3448880 | 386670 | 178 | 445 | 2172 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | 0 | 0.931 | 4315300 | 480766 | 274 | 685 | 1755 | | M |
| 361.8385 | 40:00 | 40:00 | 0 | 0.931 | 3448880 | 386670 | 178 | 445 | 2172 | 1.25(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:23 | 40:23 | 0 | 0.940 | 1408456 | 263785 | 274 | 685 | 963 | | |
| 361.8385 | 40:23 | 40:23 | 0 | 0.940 | 1128062 | 209952 | 178 | 445 | 1180 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 0 | 0.960 | 2220448 | 376406 | 274 | 685 | 1374 | | |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 1780141 | 307031 | 178 | 445 | 1725 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 0 | 0.960 | 2220448 | 376406 | 274 | 685 | 1374 | | |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 1780141 | 307031 | 178 | 445 | 1725 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:14 | 42:14 | 0 | 0.983 | 1317963 | 250645 | 274 | 685 | 915 | | |
| 361.8385 | 42:14 | 42:14 | 0 | 0.983 | 1048550 | 202181 | 178 | 445 | 1136 | 1.26(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:32 | 42:32 | 0 | 0.990 | 1369276 | 256117 | 274 | 685 | 935 | | |
| 361.8385 | 42:32 | 42:32 | 0 | 0.990 | 1091009 | 205851 | 178 | 445 | 1156 | 1.26(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:00 | 43:00 | 0 | 1.001 | 1399687 | 268575 | 274 | 685 | 980 | | |
| 361.8385 | 43:00 | 43:00 | 0 | 1.001 | 1111578 | 213002 | 178 | 445 | 1197 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:09 | 44:09 | 0 | 1.001 | 2563350 | 352671 | 274 | 685 | 1287 | | |
| 361.8385 | 44:09 | 44:09 | 0 | 1.001 | 2032640 | 284138 | 178 | 445 | 1596 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:09 | 44:09 | 0 | 1.001 | 2563350 | 352671 | 274 | 685 | 1287 | | |
| 361.8385 | 44:09 | 44:09 | 0 | 1.001 | 2032640 | 284138 | 178 | 445 | 1596 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:23 | 47:23 | 0 | 1.001 | 1141711 | 205296 | 274 | 685 | 749 | | |
| 361.8385 | 47:23 | 47:23 | 0 | 1.001 | 895894 | 160620 | 178 | 445 | 902 | 1.27(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:23 | 37:23 | 0 | 0.821 | 1968403 | 392961 | 100 | 250 | 3930 | | |
| 407.8398 | 37:23 | 37:23 | 0 | 0.821 | 1857547 | 383130 | 38 | 95 | 10082 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:25 | 40:25 | 0 | 0.888 | 699958 | 141787 | 100 | 250 | 1418 | | |
| 407.8398 | 40:25 | 40:25 | 0 | 0.888 | 657325 | 131454 | 38 | 95 | 3459 | 1.06(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:32 | 45:32 | 0 | | 1431087 | 277823 | 100 | 250 | 2778 | | |
| 407.8398 | 45:32 | 45:32 | 0 | | 1333408 | 264587 | 38 | 95 | 6963 | 1.07(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:47 | 46:47 | 0 | 1.027 | 1142016 | 217023 | 100 | 250 | 2170 | | |
| 407.8398 | 46:47 | 46:47 | 0 | 1.027 | 1046961 | 202595 | 38 | 95 | 5331 | 1.09(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:54 | 49:54 | 0 | 1.096 | 2404528 | 461669 | 373 | 932 | 1238 | | |
| 407.8398 | 49:54 | 49:54 | 0 | 1.096 | 2277987 | 436610 | 364 | 910 | 1199 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:24 | 37:24 | 0 | 1.001 | 1121651 | 229649 | 14 | 35 | 16404 | | |
| 395.7995 | 37:24 | 37:24 | -1 | 1.000 | 1072056 | 215151 | 11 | 27 | 19559 | 1.05(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:44 | 37:44 | 0 | 1.009 | 1033671 | 204485 | 14 | 35 | 14606 | | |
| 395.7995 | 37:44 | 37:44 | 0 | 1.009 | 987283 | 196490 | 11 | 27 | 17863 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:16 | 38:16 | 0 | 1.024 | 1025336 | 210576 | 14 | 35 | 15041 | | |
| 395.7995 | 38:16 | 38:16 | 0 | 1.024 | 999811 | 204363 | 11 | 27 | 18578 | 1.03(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:36 | 38:36 | 0 | 1.033 | 1116672 | 221487 | 14 | 35 | 15821 | | |
| 395.7995 | 38:36 | 38:36 | 0 | 1.033 | 1065395 | 213169 | 11 | 27 | 19379 | 1.05(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:04 | 39:04 | 0 | 1.045 | 1044905 | 207656 | 14 | 35 | 14833 | | |
| 395.7995 | 39:04 | 39:04 | 0 | 1.045 | 995486 | 197640 | 11 | 27 | 17967 | 1.05(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:27 | 40:27 | 0 | 1.082 | 757652 | 154309 | 14 | 35 | 11022 | | |
| 395.7995 | 40:27 | 40:27 | 0 | 1.082 | 727160 | 145014 | 11 | 27 | 13183 | 1.04(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:05 | 41:05 | 0 | 1.099 | 776532 | 154453 | 14 | 35 | 11032 | | |
| 395.7995 | 41:05 | 41:05 | 0 | 1.099 | 740060 | 146930 | 11 | 27 | 13357 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:22 | 41:22 | 0 | 1.107 | 819866 | 159925 | 14 | 35 | 11423 | | |
| 395.7995 | 41:22 | 41:22 | 0 | 1.107 | 768602 | 151013 | 11 | 27 | 13728 | 1.07(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:34 | 41:34 | 0 | 1.112 | 856351 | 169172 | 14 | 35 | 12084 | | |
| 395.7995 | 41:34 | 41:34 | 0 | 1.112 | 798894 | 155121 | 11 | 27 | 14102 | 1.07(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:59 | 41:59 | 0 | 1.123 | 1643156 | 172011 | 14 | 35 | 12287 | | M |
| 395.7995 | 41:59 | 41:59 | 0 | 1.123 | 1576497 | 169861 | 11 | 27 | 15442 | 1.04(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:59 | 41:59 | 0 | 1.123 | 1643156 | 172011 | 14 | 35 | 12287 | | M |
| 395.7995 | 41:59 | 41:59 | 0 | 1.123 | 1576497 | 169861 | 11 | 27 | 15442 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:12 | 42:12 | 0 | 1.129 | 699661 | 137817 | 14 | 35 | 9844 | | |
| 395.7995 | 42:12 | 42:12 | 0 | 1.129 | 665410 | 134647 | 11 | 27 | 12241 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | Ma |
| 393.8025 | 42:39 | 42:39 | 0 | 1.141 | 677387 | 133718 | 14 | 35 | 9551 | | M |
| 395.7995 | 42:39 | 42:39 | 0 | 1.141 | 651318 | 124187 | 11 | 27 | 11290 | 1.04(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:02 | 43:02 | 0 | 1.151 | 802641 | 156487 | 14 | 35 | 11178 | | |
| 395.7995 | 43:02 | 43:02 | 0 | 1.151 | 765933 | 150303 | 11 | 27 | 13664 | 1.05(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:16 | 43:16 | 0 | 1.157 | 1380286 | 234681 | 14 | 35 | 16763 | | |
| 395.7995 | 43:16 | 43:16 | 0 | 1.157 | 1324014 | 224451 | 11 | 27 | 20405 | 1.04(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:16 | 43:16 | 0 | 1.157 | 1380286 | 234681 | 14 | 35 | 16763 | | |
| 395.7995 | 43:16 | 43:16 | 0 | 1.157 | 1324014 | 224451 | 11 | 27 | 20405 | 1.04(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:54 | 44:54 | 0 | 0.900 | 710713 | 135442 | 14 | 35 | 9674 | | |
| 395.7995 | 44:54 | 44:54 | -1 | 0.900 | 674354 | 129956 | 11 | 27 | 11814 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:11 | 45:11 | 0 | 0.905 | 951763 | 187182 | 14 | 35 | 13370 | | |
| 395.7995 | 45:11 | 45:11 | 0 | 0.905 | 902667 | 178953 | 11 | 27 | 16268 | 1.05(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 1770418 | 231004 | 14 | 35 | 16500 | | |
| 395.7995 | 45:30 | 45:30 | 0 | 0.912 | 1702750 | 224515 | 11 | 27 | 20410 | 1.04(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 1770418 | 231004 | 14 | 35 | 16500 | | |
| 395.7995 | 45:30 | 45:30 | 0 | 0.912 | 1702750 | 224515 | 11 | 27 | 20410 | 1.04(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:55 | 45:55 | 0 | 0.920 | 1012747 | 196798 | 14 | 35 | 14057 | | |
| 395.7995 | 45:55 | 45:55 | 0 | 0.920 | 949908 | 182708 | 11 | 27 | 16610 | 1.07(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:48 | 46:48 | 0 | 0.938 | 699545 | 131586 | 14 | 35 | 9399 | | |
| 395.7995 | 46:48 | 46:48 | 0 | 0.938 | 684328 | 130599 | 11 | 27 | 11873 | 1.02(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:20 | 47:20 | 0 | 0.949 | 984285 | 188877 | 14 | 35 | 13491 | | |
| 395.7995 | 47:20 | 47:20 | 0 | 0.949 | 949900 | 181698 | 11 | 27 | 16518 | 1.04(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:56 | 49:56 | 0 | 1.001 | 1431682 | 274565 | 261 | 652 | 1052 | | |
| 395.7995 | 49:56 | 49:56 | 0 | 1.001 | 1353310 | 258455 | 164 | 410 | 1576 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:45 | 42:45 | 0 | 0.822 | 1383996 | 276879 | 4 | 10 | 69220 | | |
| 441.8008 | 42:45 | 42:45 | 0 | 0.822 | 1534069 | 307201 | 28 | 70 | 10971 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:01 | 52:01 | 0 | | 1641161 | 309126 | 143 | 357 | 2162 | | |
| 441.8008 | 52:02 | 52:01 | 1 | | 1792186 | 343379 | 168 | 420 | 2044 | 0.92(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:30 | 52:30 | 0 | 1.009 | 1958201 | 373712 | 143 | 357 | 2613 | | |
| 441.8008 | 52:30 | 52:30 | 0 | 1.009 | 2178838 | 412719 | 168 | 420 | 2457 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:47 | 42:47 | 0 | 1.001 | 677794 | 134337 | 13 | 32 | 10334 | | |
| 429.7606 | 42:47 | 42:47 | 0 | 1.001 | 750696 | 149103 | 14 | 35 | 10650 | 0.90(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:42 | 43:42 | 0 | 1.022 | 744275 | 147444 | 13 | 32 | 11342 | | |
| 429.7606 | 43:42 | 43:42 | 0 | 1.022 | 822697 | 160243 | 14 | 35 | 11446 | 0.90(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:23 | 44:23 | 0 | 1.038 | 699346 | 138195 | 13 | 32 | 10630 | | |
| 429.7606 | 44:23 | 44:23 | 0 | 1.038 | 781433 | 153768 | 14 | 35 | 10983 | 0.89(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:36 | 0 | 1.043 | 759529 | 146060 | 13 | 32 | 11235 | | |
| 429.7606 | 44:36 | 44:36 | 0 | 1.043 | 846966 | 162350 | 14 | 35 | 11596 | 0.90(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:42 | 44:42 | 0 | 1.046 | 696678 | 140297 | 13 | 32 | 10792 | | |
| 429.7606 | 44:42 | 44:42 | 0 | 1.046 | 770014 | 155285 | 14 | 35 | 11092 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 0 | 1.111 | 1019540 | 134076 | 13 | 32 | 10314 | | |
| 429.7606 | 47:30 | 47:30 | 0 | 1.111 | 1124849 | 149051 | 14 | 35 | 10647 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 0 | 1.111 | 1019540 | 134076 | 13 | 32 | 10314 | | |
| 429.7606 | 47:30 | 47:30 | 0 | 1.111 | 1124849 | 149051 | 14 | 35 | 10647 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:10 | 48:10 | 0 | 0.918 | 547958 | 106695 | 13 | 32 | 8207 | | |
| 429.7606 | 48:10 | 48:10 | 0 | 0.918 | 606684 | 119921 | 14 | 35 | 8566 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:22 | 48:22 | 0 | 0.921 | 572044 | 108697 | 13 | 32 | 8361 | | |
| 429.7606 | 48:22 | 48:22 | 0 | 0.921 | 636666 | 123750 | 14 | 35 | 8839 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:42 | 49:42 | 0 | 0.947 | 723093 | 137985 | 126 | 315 | 1095 | | |
| 429.7606 | 49:42 | 49:42 | 0 | 0.947 | 814392 | 153812 | 142 | 355 | 1083 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:03 | 52:03 | 0 | 0.992 | 855528 | 161487 | 126 | 315 | 1282 | | |
| 429.7606 | 52:02 | 52:03 | -1 | 0.991 | 946264 | 177614 | 142 | 355 | 1251 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:31 | 52:31 | 0 | 1.000 | 1109578 | 209882 | 126 | 315 | 1666 | | |
| 429.7606 | 52:31 | 52:31 | -1 | 1.000 | 1230817 | 231735 | 142 | 355 | 1632 | 0.90(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:26 | 49:26 | 0 | 0.951 | 1641365 | 321465 | 357 | 892 | 900 | | |
| 475.7619 | 49:26 | 49:26 | 0 | 0.951 | 2117846 | 411227 | 522 | 1305 | 788 | 0.78(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:15 | 54:15 | 0 | 1.043 | 1320477 | 252202 | 357 | 892 | 706 | | |
| 475.7619 | 54:15 | 54:15 | 0 | 1.043 | 1617899 | 301407 | 522 | 1305 | 577 | 0.82(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:28 | 49:28 | 0 | 1.001 | 869939 | 170668 | 128 | 320 | 1333 | | |
| 463.7216 | 49:28 | 49:28 | 0 | 1.001 | 1104099 | 215429 | 287 | 717 | 751 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:24 | 50:24 | 0 | 1.019 | 920085 | 174219 | 128 | 320 | 1361 | | |
| 463.7216 | 50:24 | 50:24 | 0 | 1.019 | 1183948 | 227092 | 287 | 717 | 791 | 0.78(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:17 | 54:17 | 0 | 1.000 | 709208 | 131431 | 128 | 320 | 1027 | | |
| 463.7216 | 54:17 | 54:17 | 0 | 1.000 | 886569 | 165650 | 287 | 717 | 577 | 0.80(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:55 | 55:55 | 0 | 1.075 | 1356387 | 243133 | 65 | 162 | 3741 | | |
| 509.7229 | 55:55 | 55:55 | 0 | 1.075 | 1905377 | 332691 | 60 | 150 | 5545 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:56 | 55:56 | 0 | 1.000 | 767130 | 133283 | 21 | 52 | 6347 | | |
| 497.6826 | 55:56 | 55:56 | 0 | 1.000 | 1089843 | 187741 | 13 | 32 | 14442 | 0.70(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville

| | | | |
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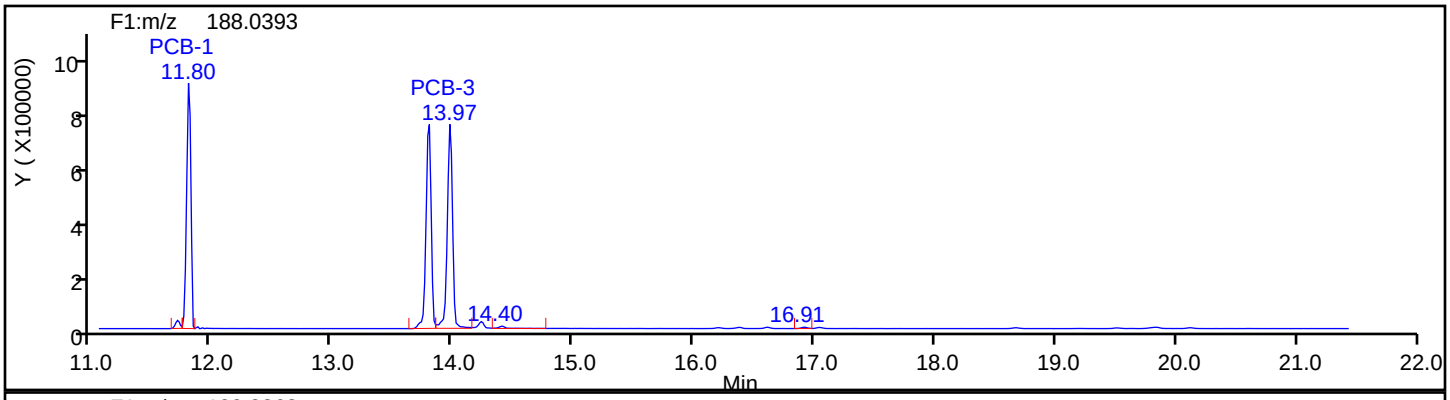
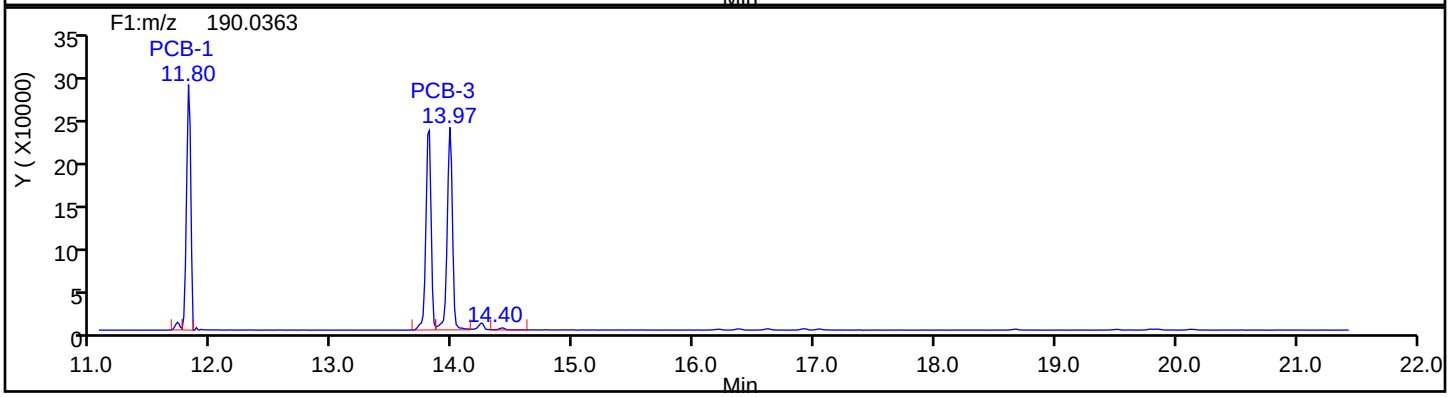
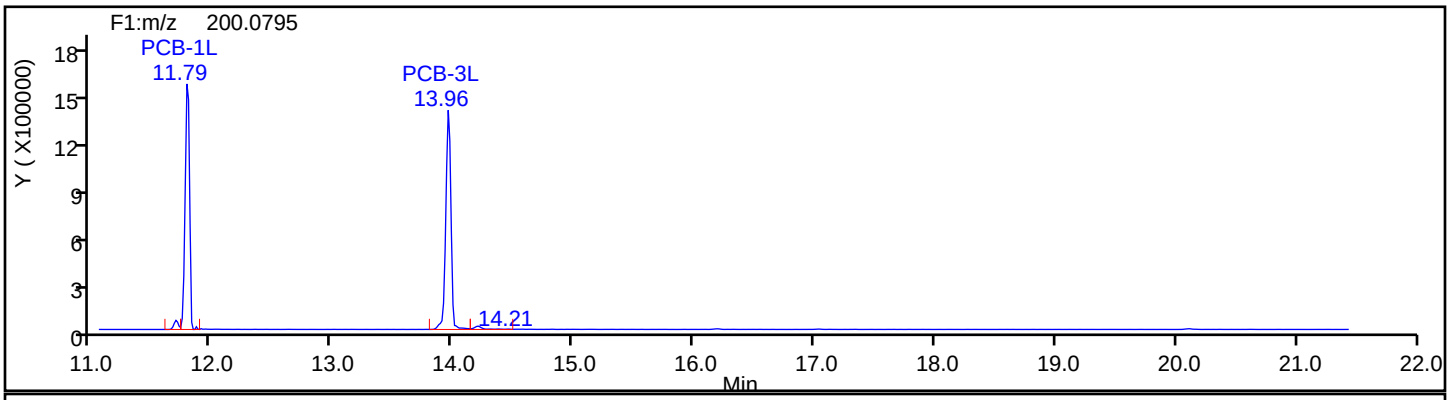
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

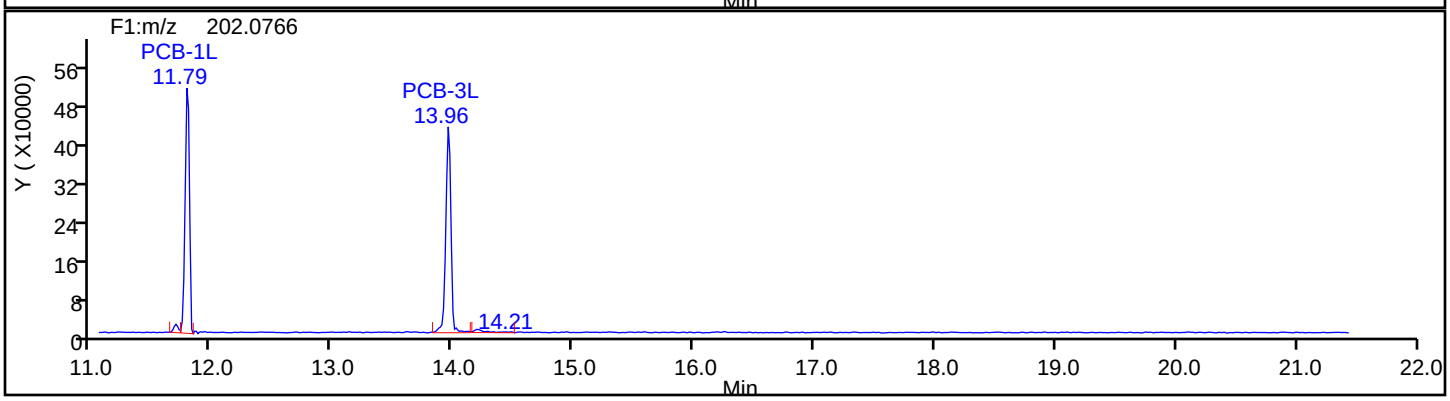
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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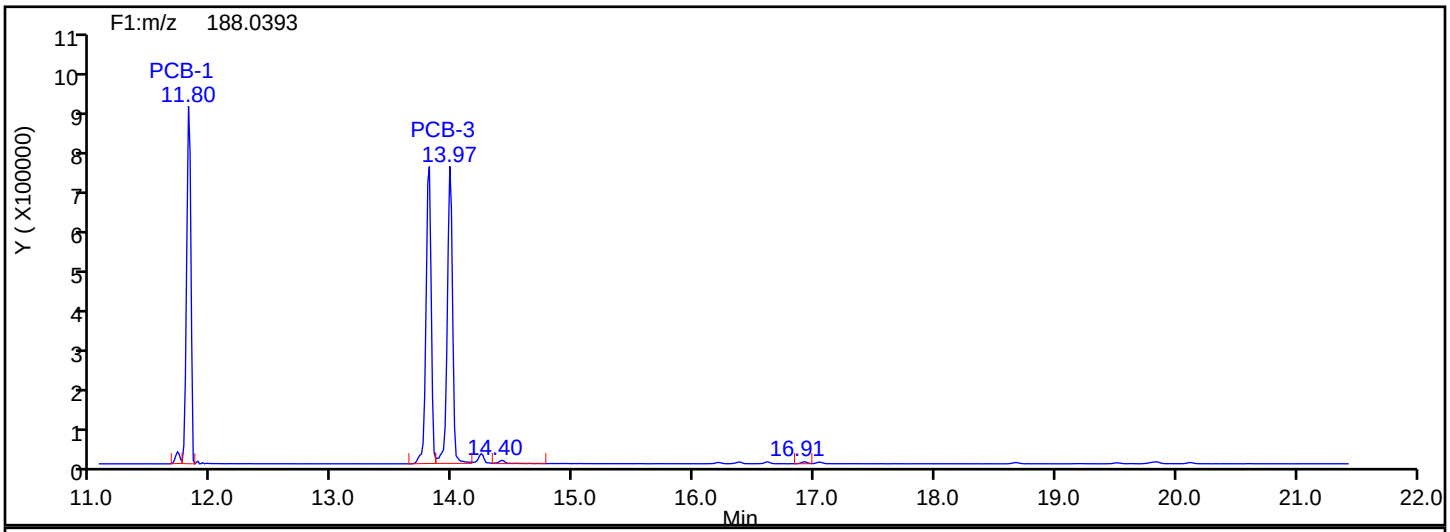
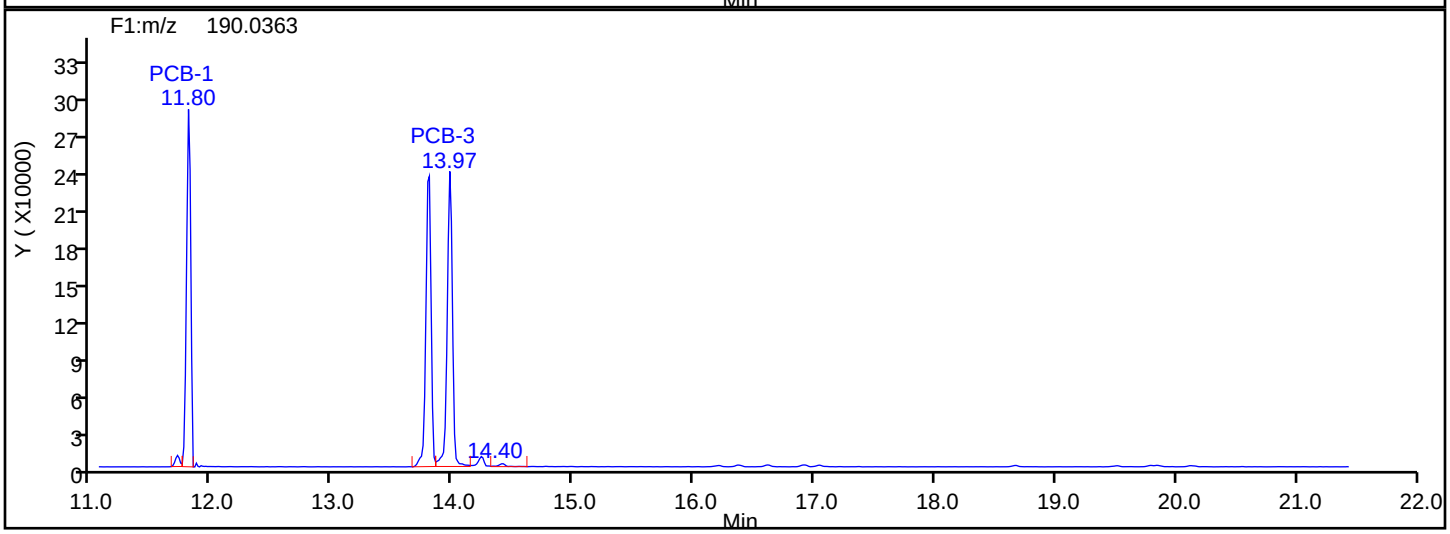
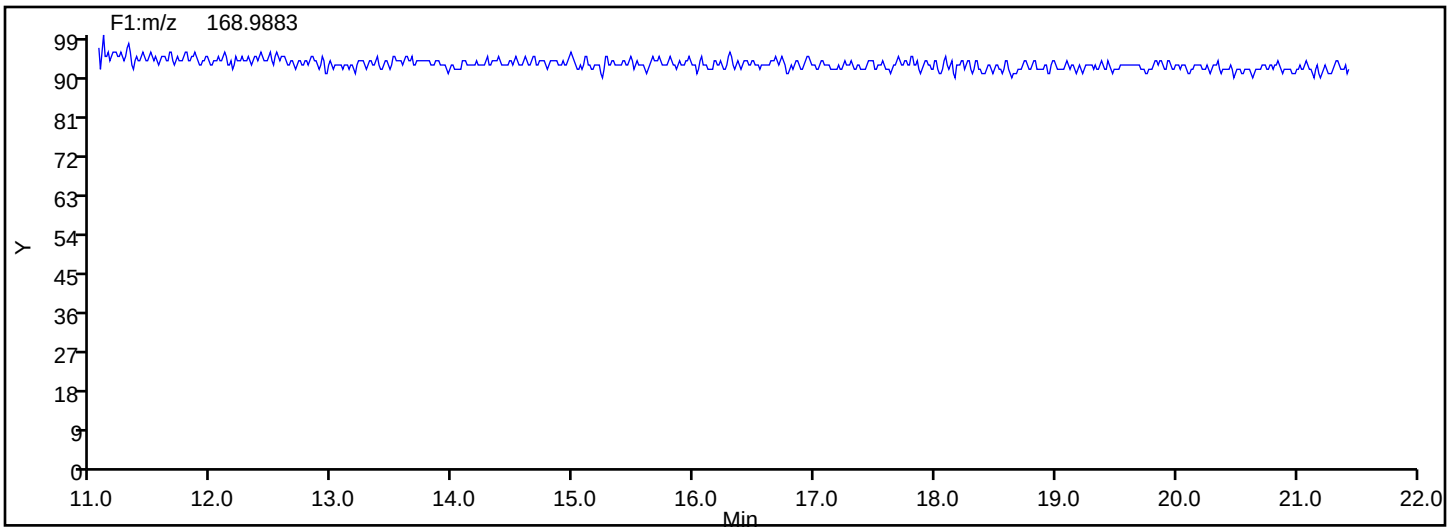
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

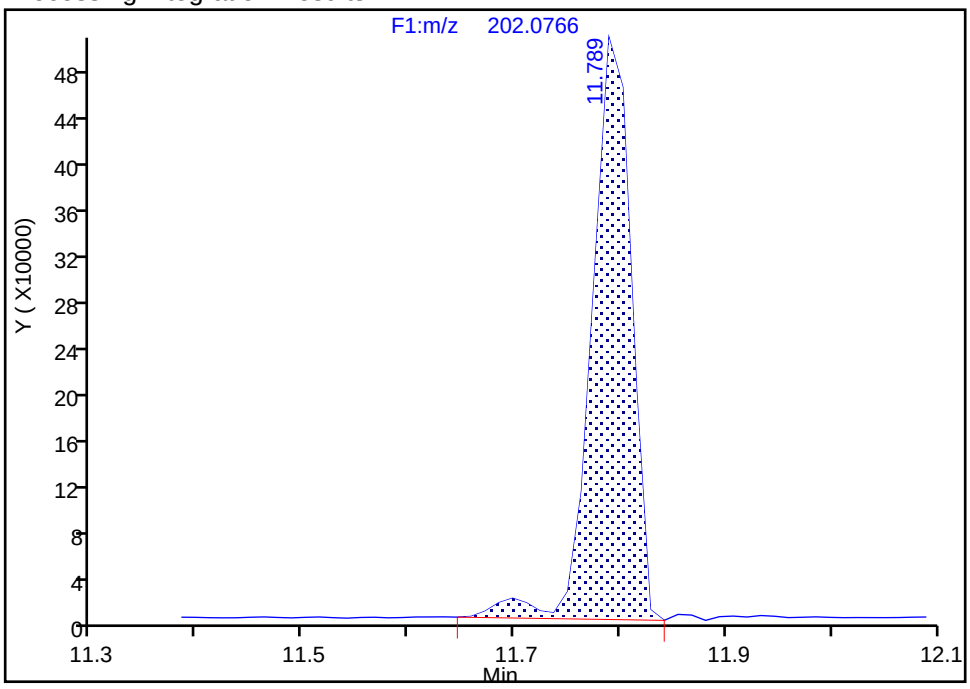
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-1L, CAS: 234432-85-0

Signal: 2

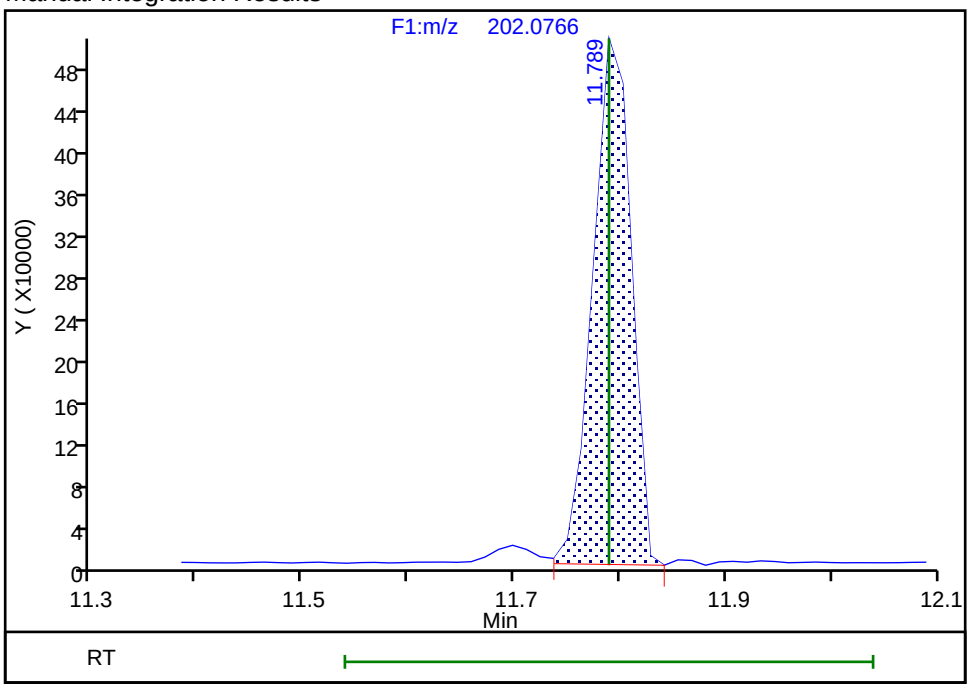
Processing Integration Results

RT: 11.79
Area: 1327810
Amount: 103.8075
Amount Units: pg/ul




Manual Integration Results

RT: 11.79
Area: 1281463
Amount: 103.1688
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:52:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

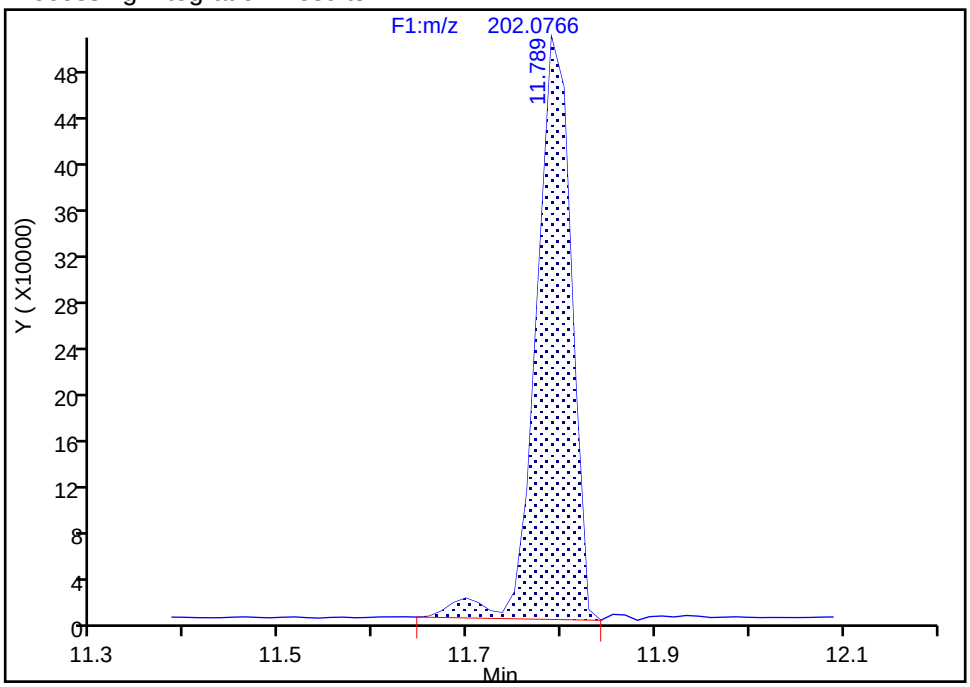
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-1L, CAS: 234432-85-0

Signal: 3

Processing Integration Results

RT: 11.79
Area: 5211884
Amount: 103.8075
Amount Units: pg/ul




Manual Integration Results

RT: 11.79
Area: 5165537
Amount: 103.1688
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:52:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

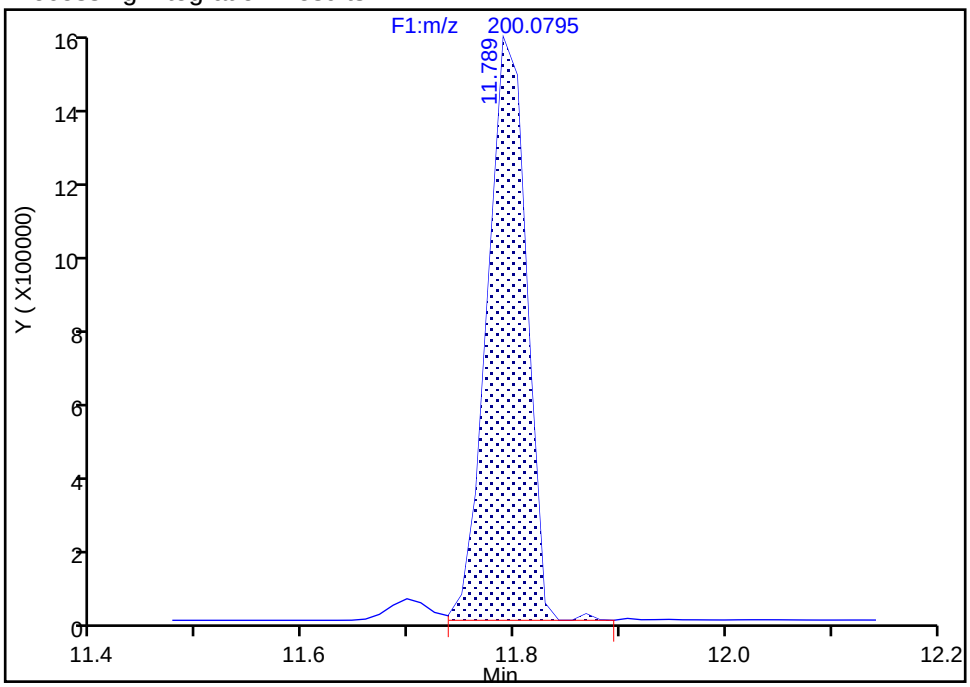
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-1L, CAS: 234432-85-0

Signal: 1

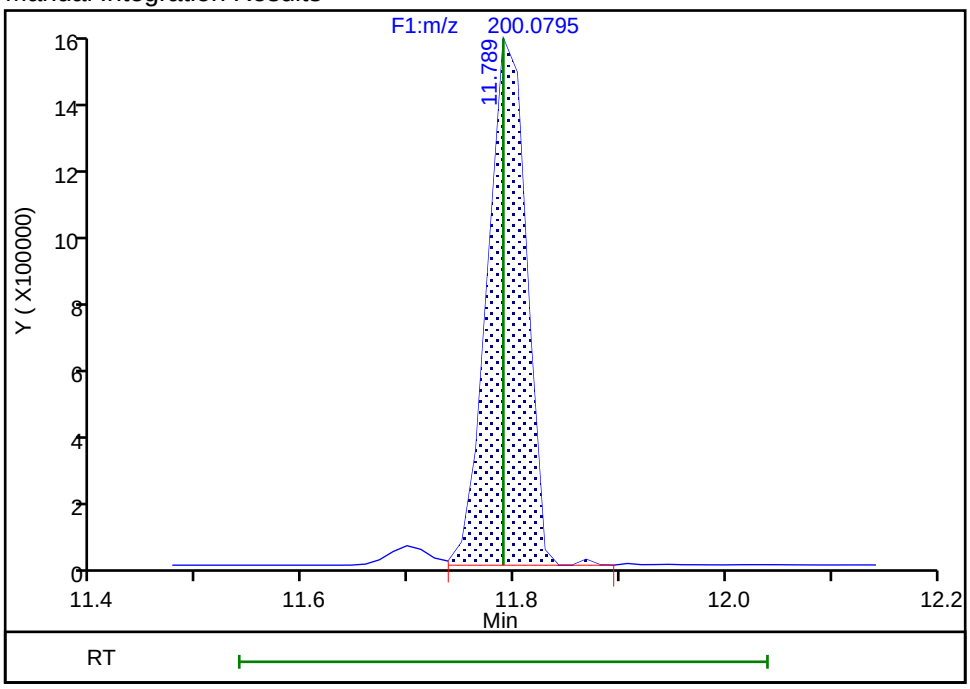
Processing Integration Results

RT: 11.79
Area: 3884074
Amount: 103.8075
Amount Units: pg/ul




Manual Integration Results

RT: 11.79
Area: 3884074
Amount: 103.1688
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:52:02
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

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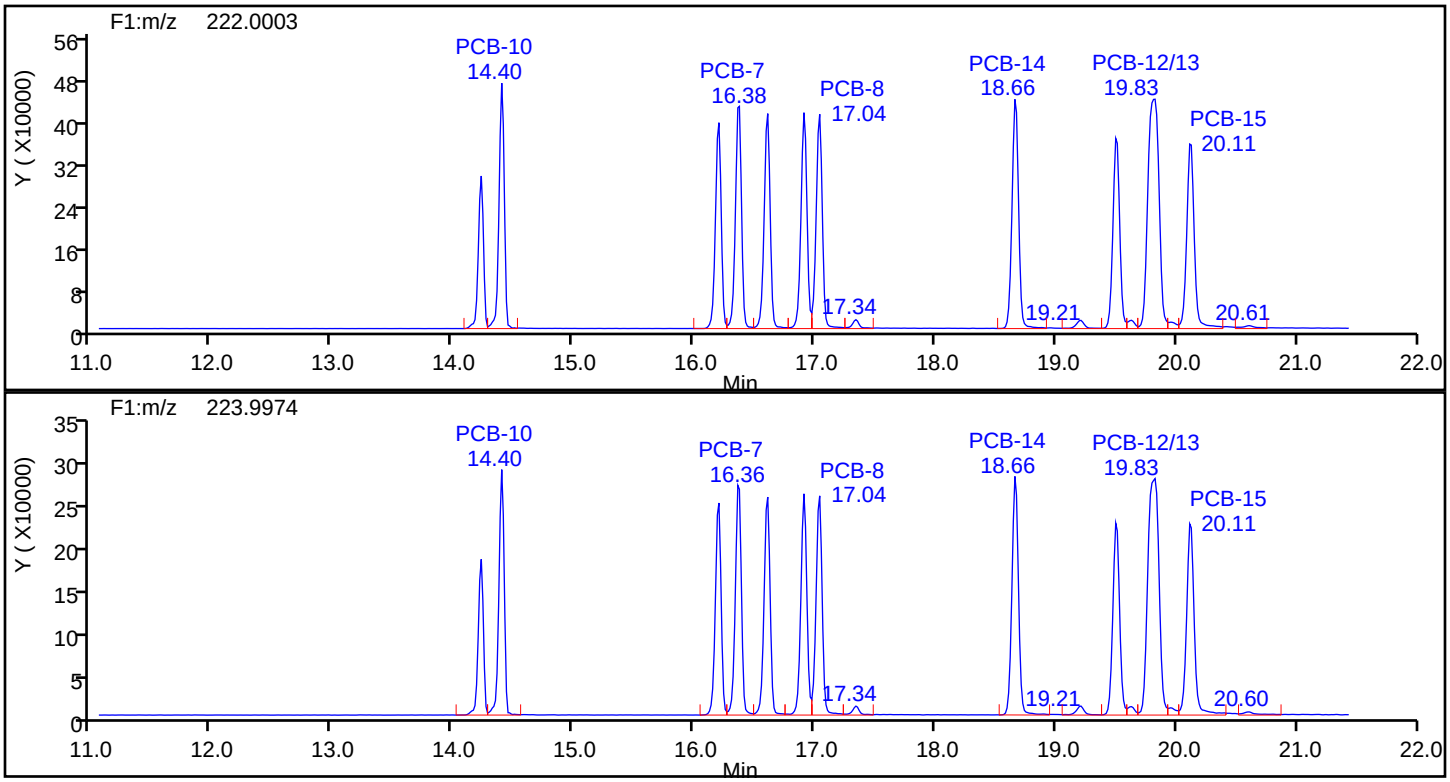
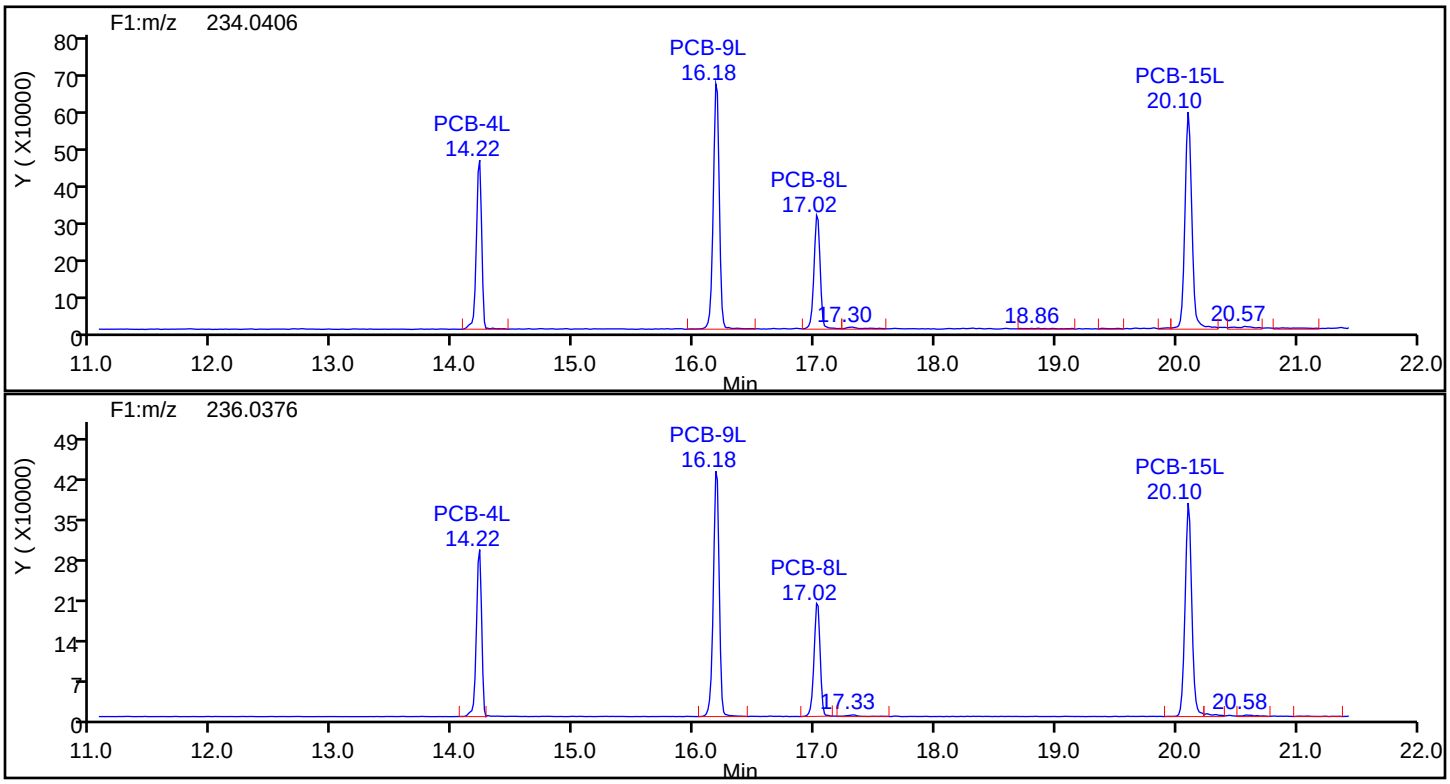
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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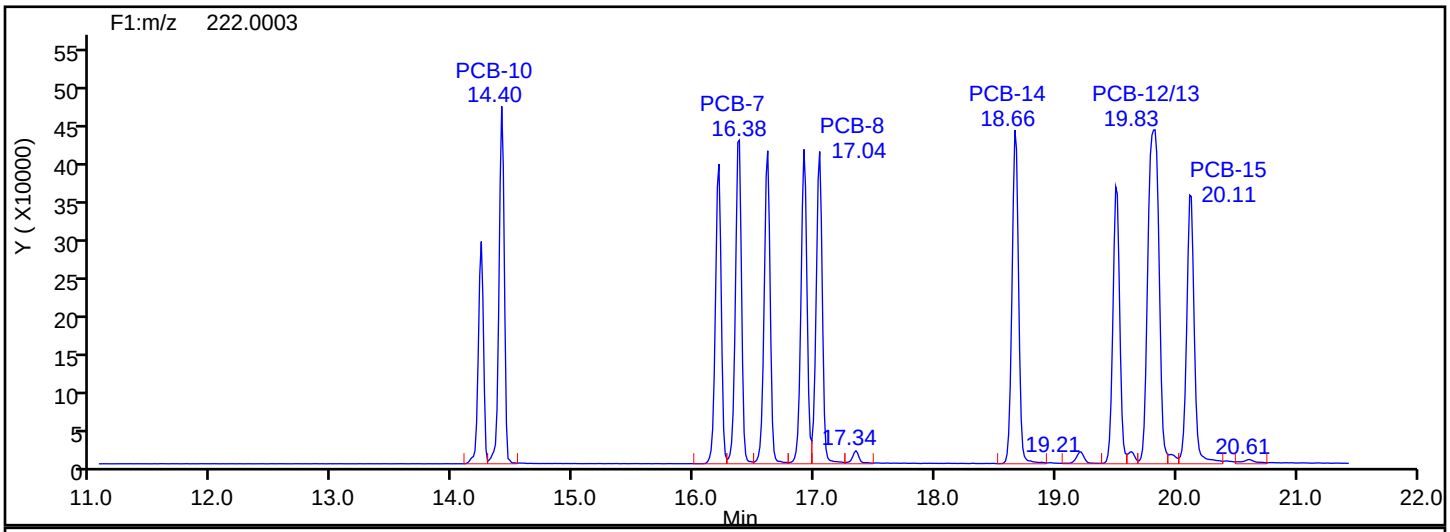
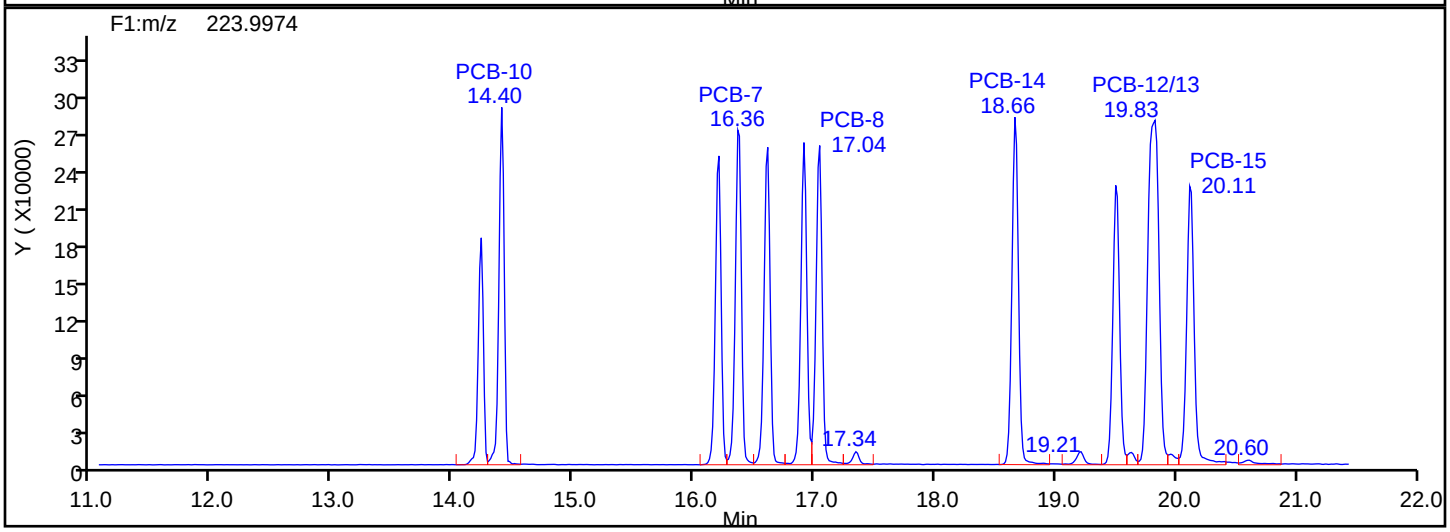
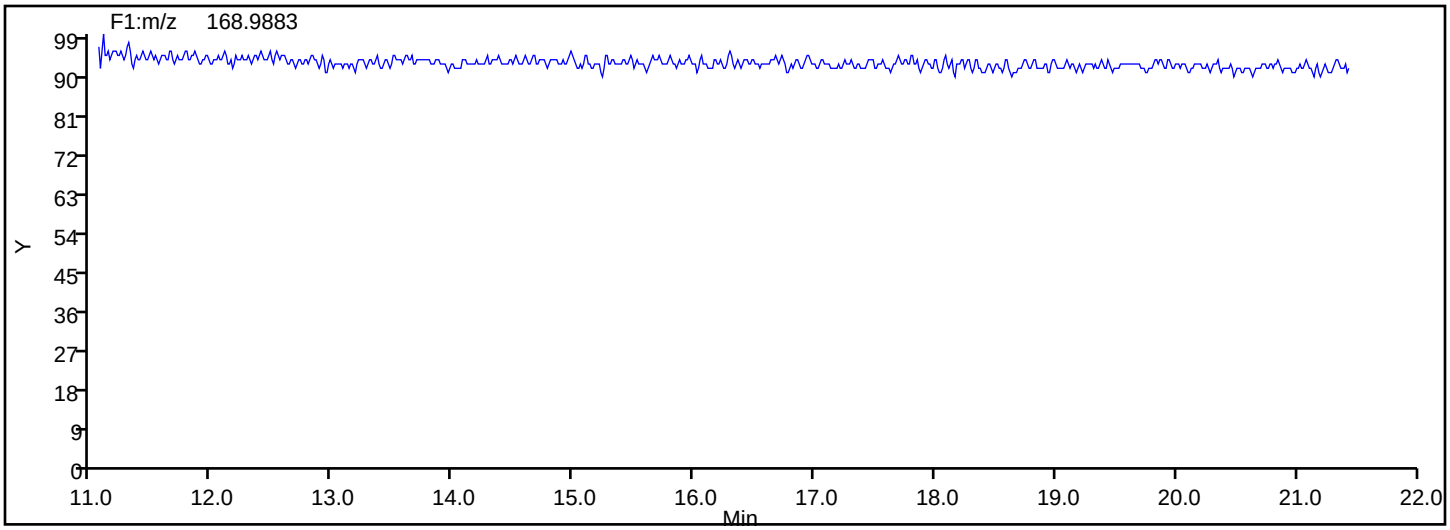
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

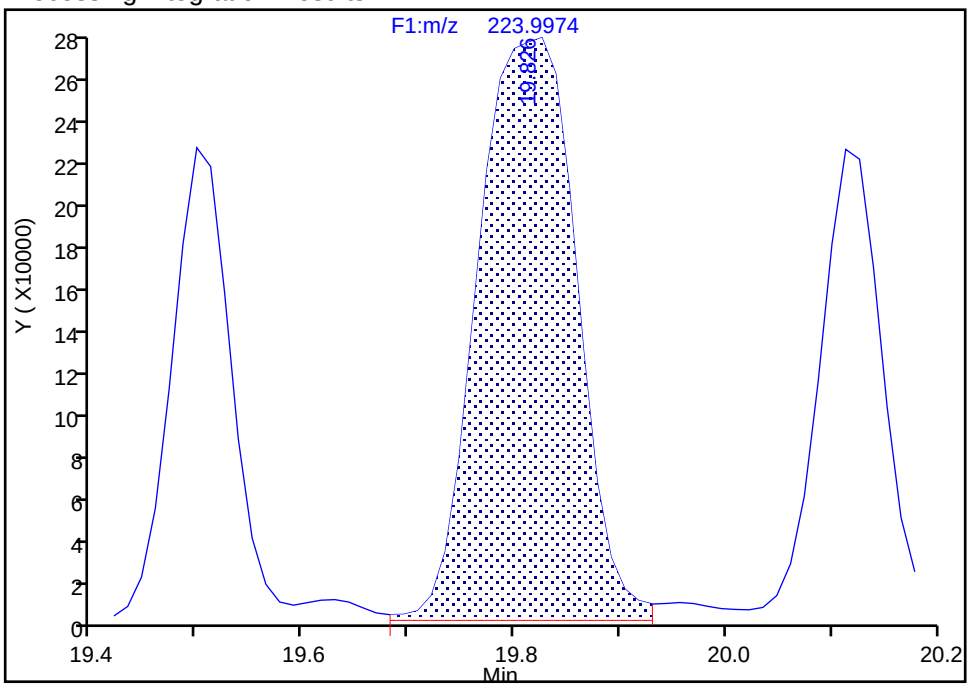
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-12/13, CAS: STL01797

Signal: 2

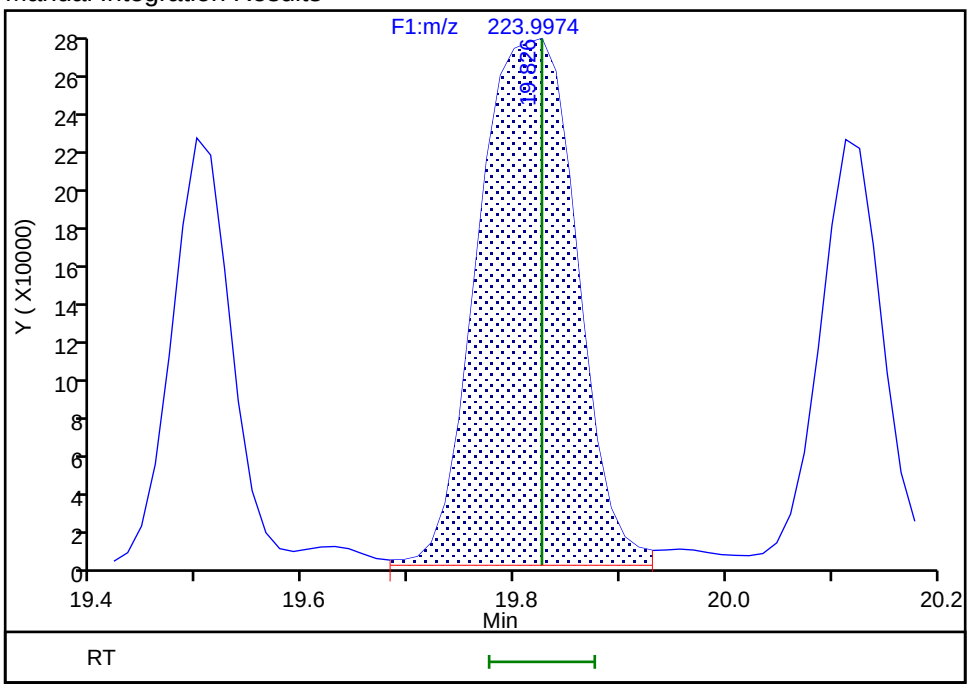
Processing Integration Results

RT: 19.83
Area: 1788831
Amount: 93.125608
Amount Units: pg/ul




Manual Integration Results

RT: 19.83
Area: 1788831
Amount: 91.309244
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:52:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

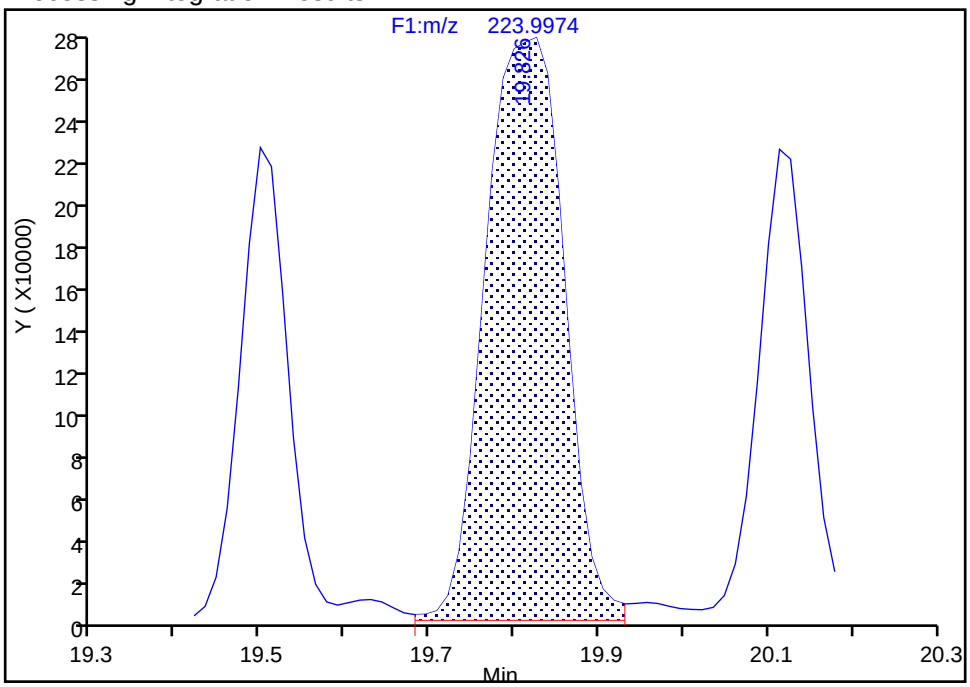
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-12/13, CAS: STL01797

Signal: 3

Processing Integration Results

RT: 19.83
Area: 4677751
Amount: 93.125608
Amount Units: pg/ul




Manual Integration Results

RT: 19.83
Area: 4620819
Amount: 91.309244
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:52:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

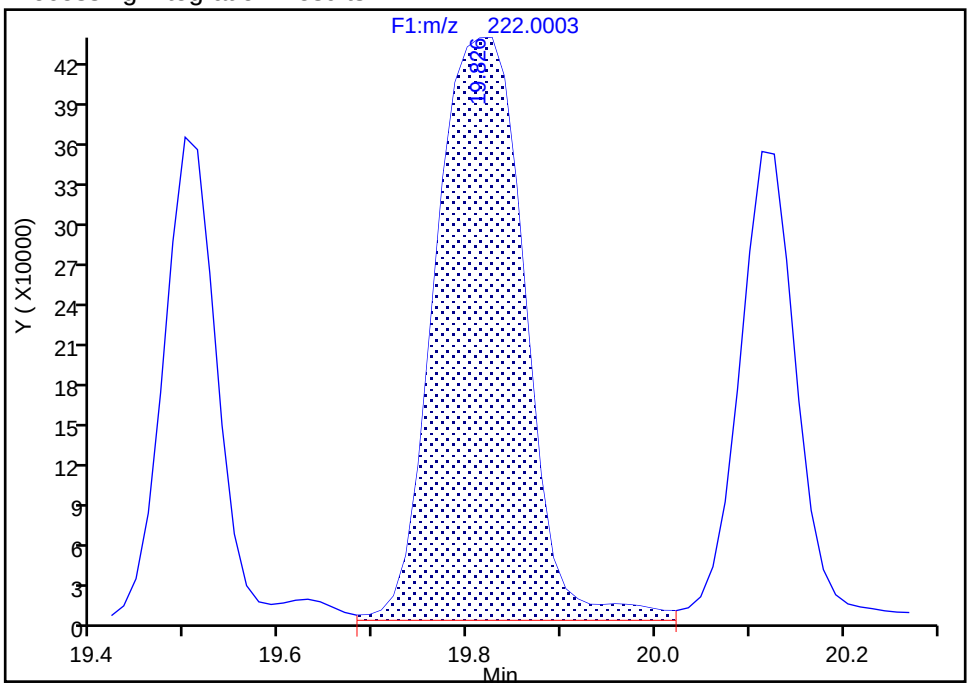
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-12/13, CAS: STL01797

Signal: 1

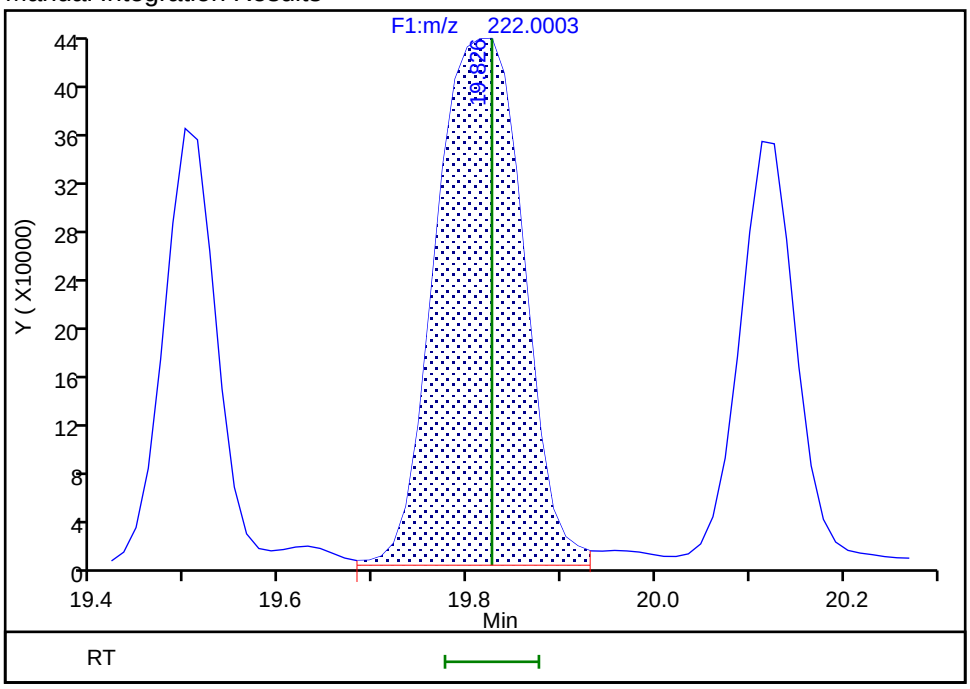
Processing Integration Results

RT: 19.83
Area: 2888920
Amount: 93.125608
Amount Units: pg/ul




Manual Integration Results

RT: 19.83
Area: 2831988
Amount: 91.309244
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:52:31
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

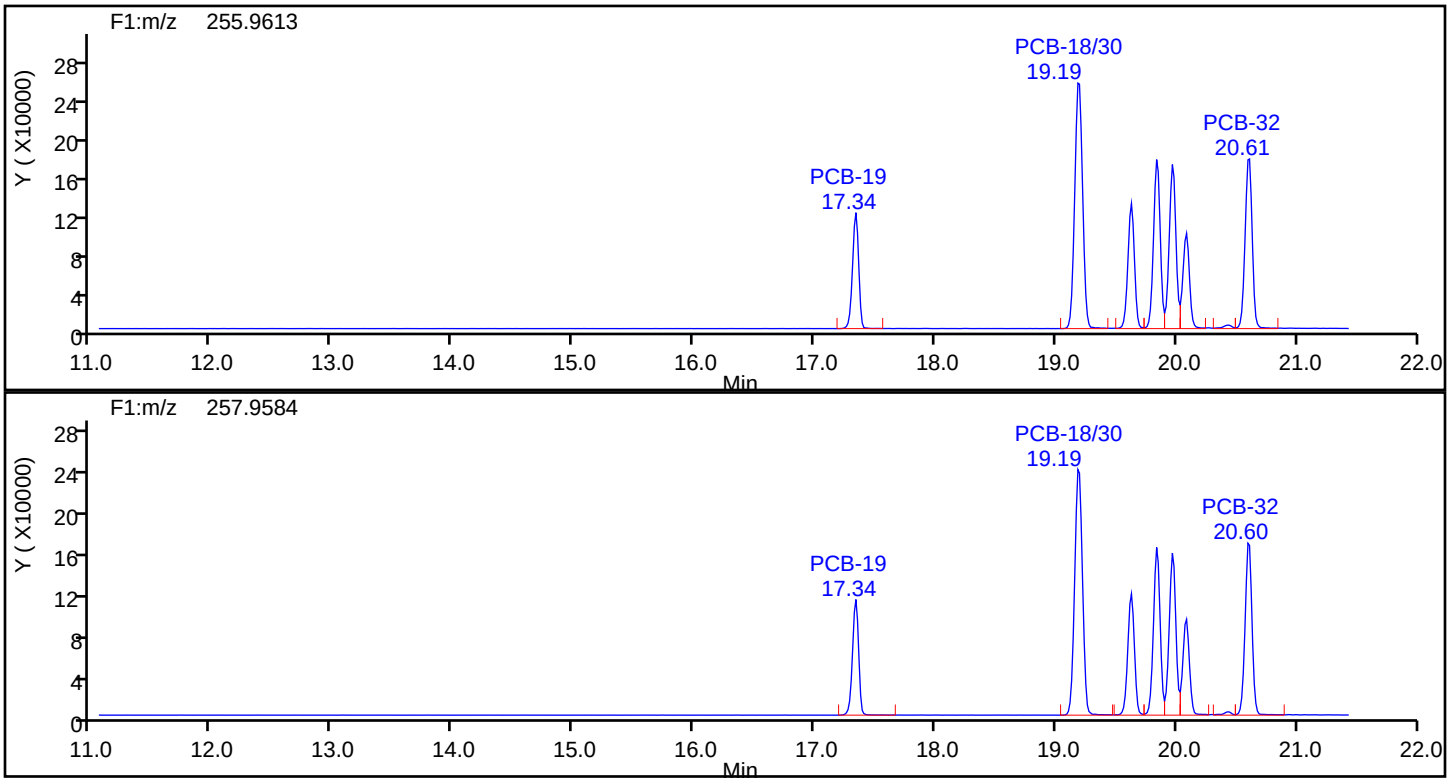
Report Date: 30-Aug-2019 11:37:41 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

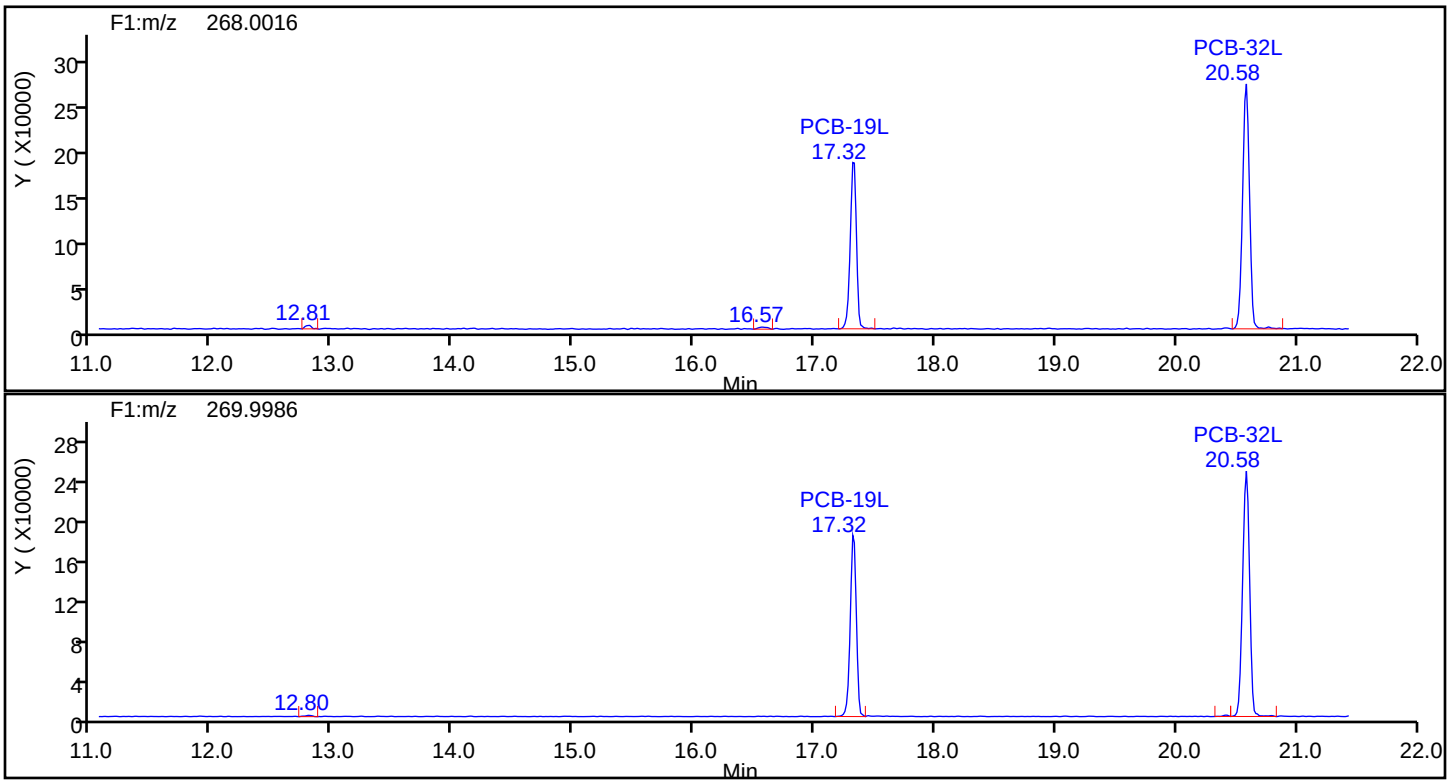
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d

| | | | |
|---|---|---|---|
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



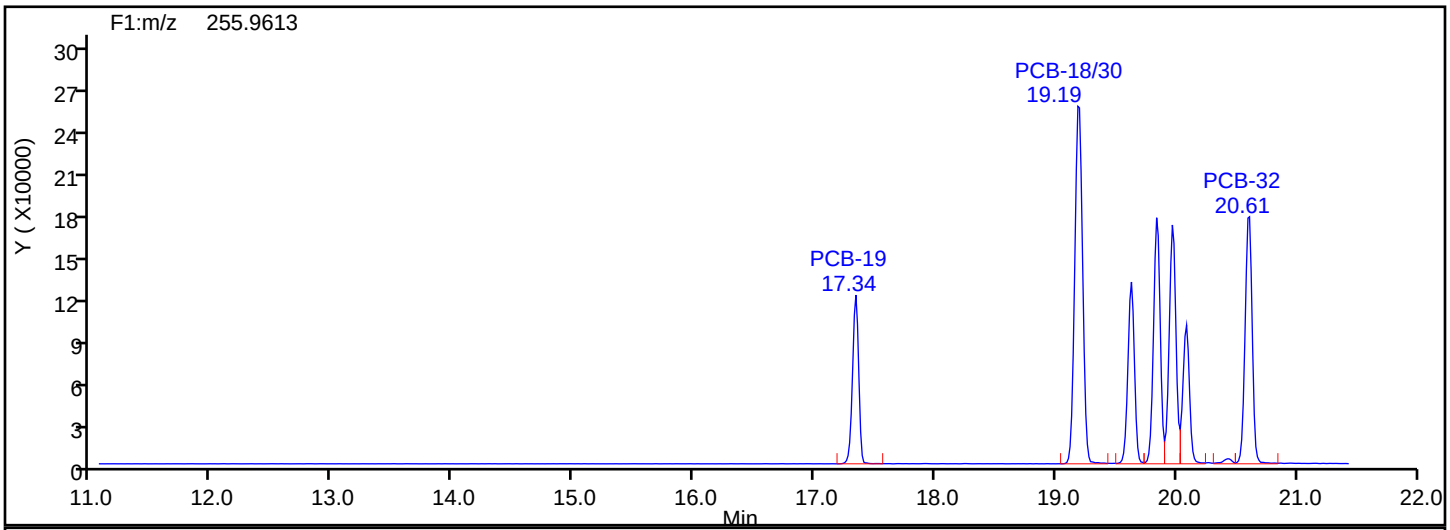

TriPCB F1 Standards

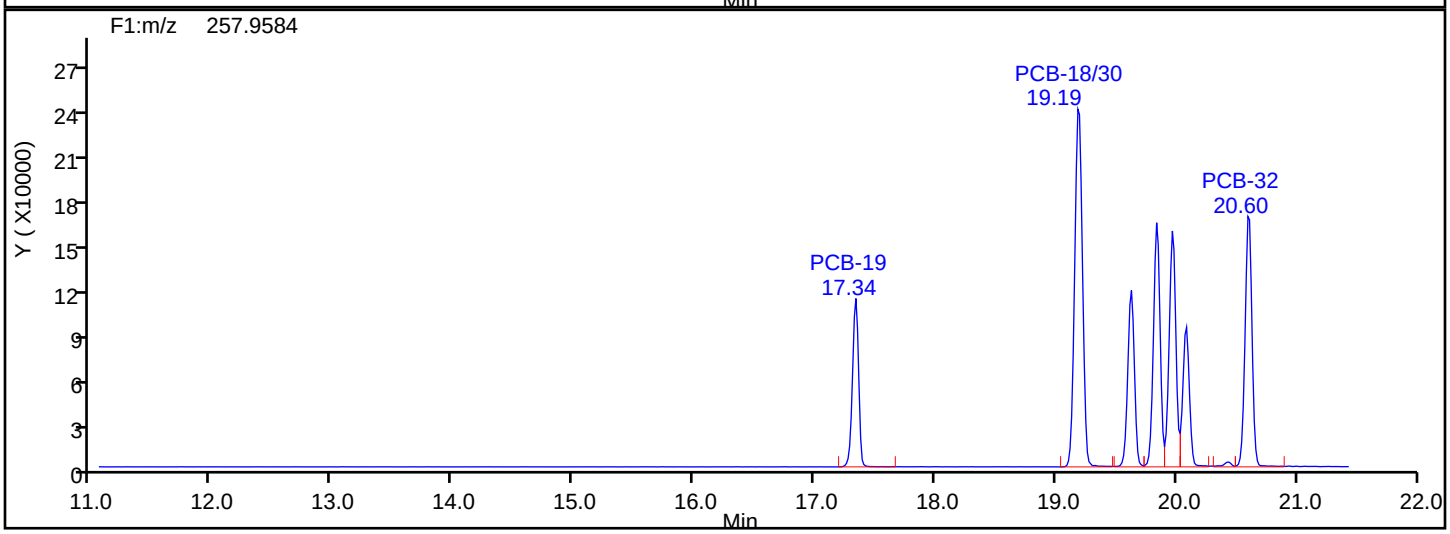


Eurofins TestAmerica, Knoxville

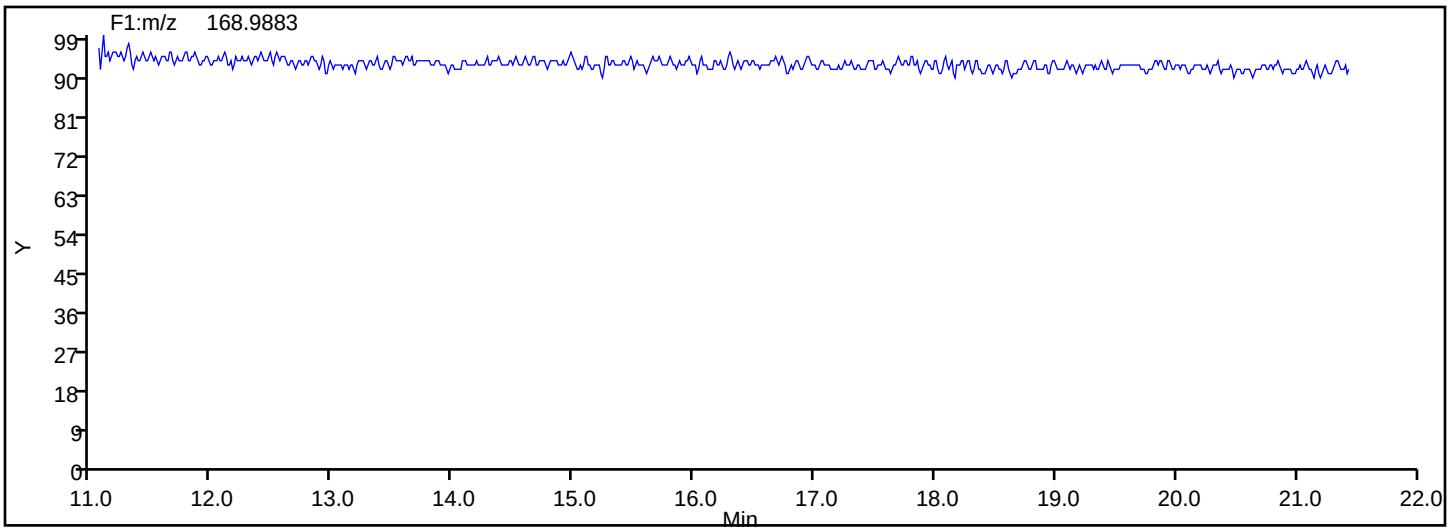
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



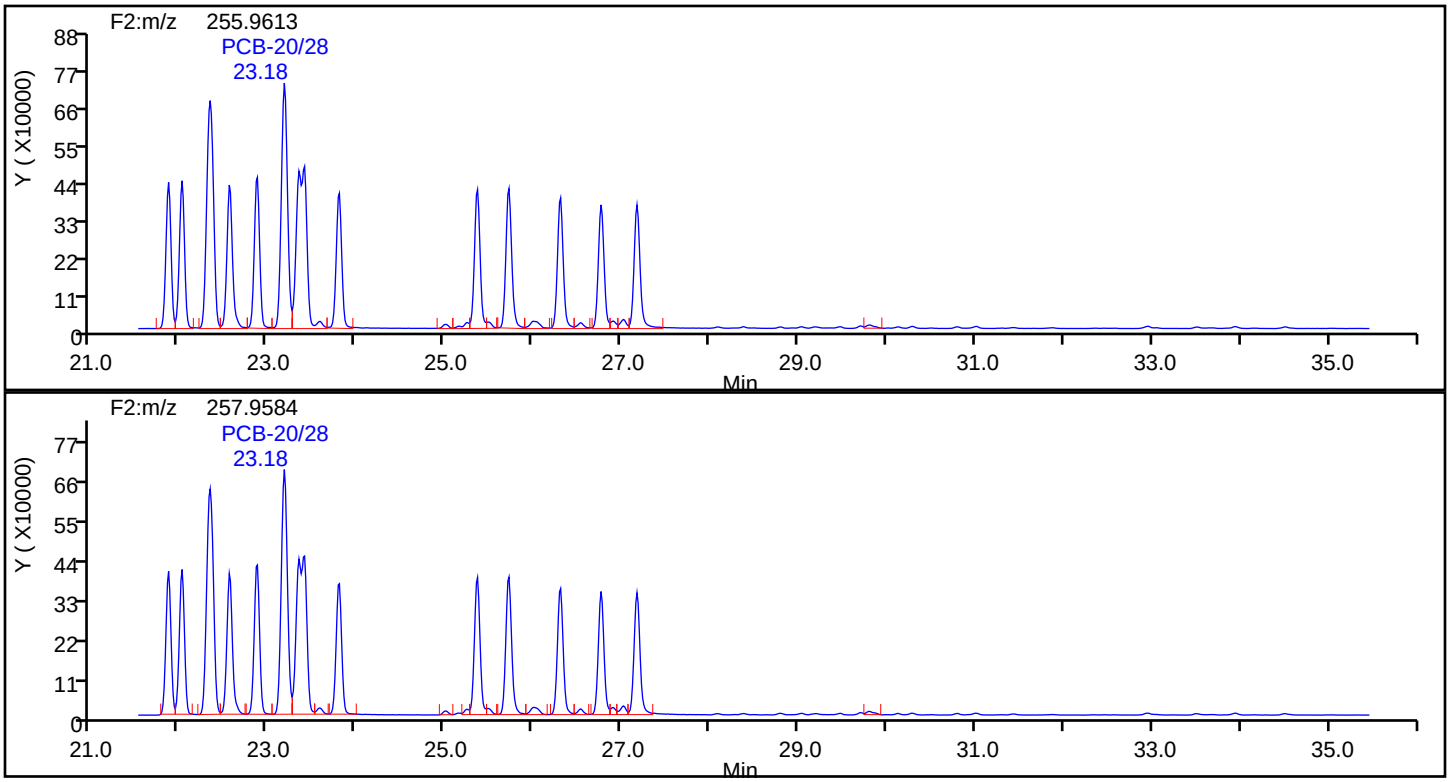

TriPCB F1 Lock Mass



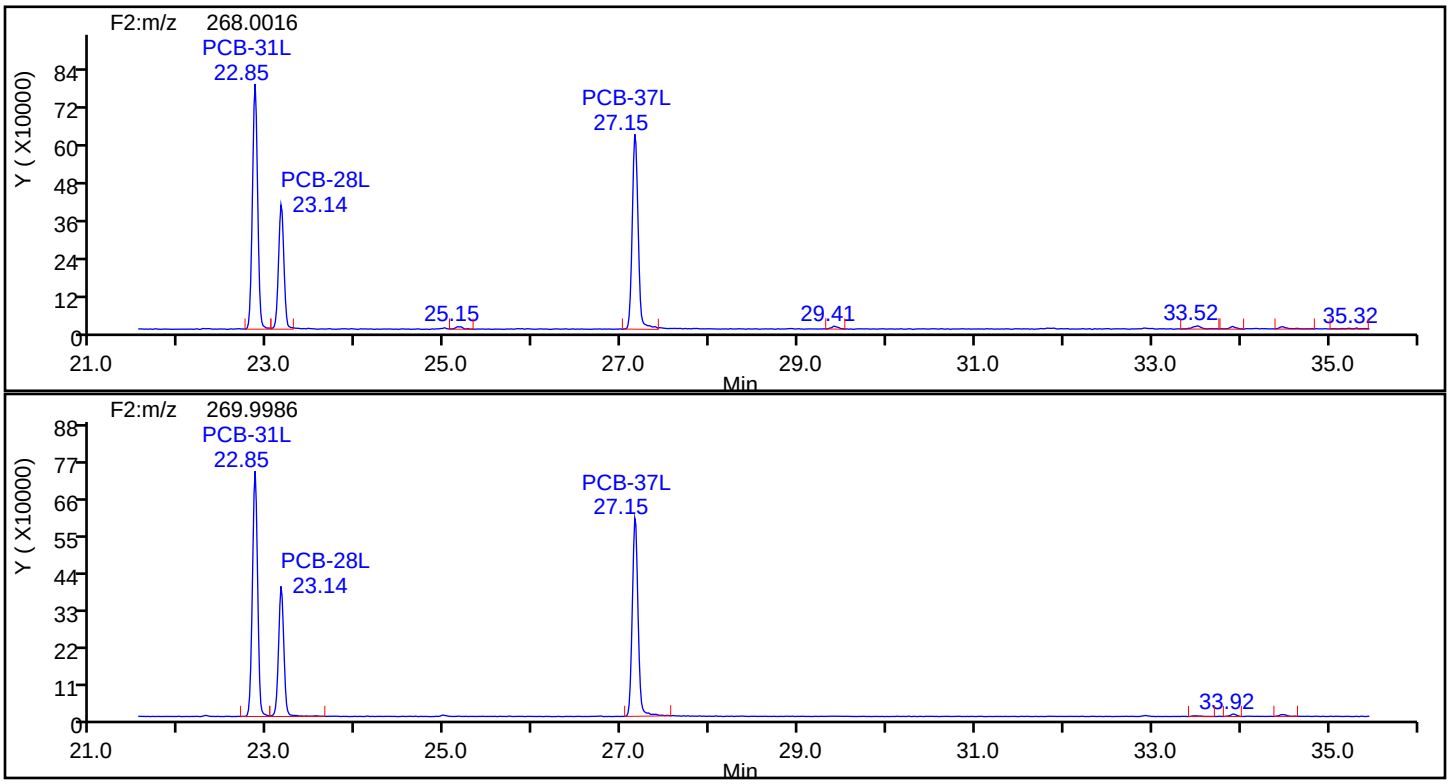
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



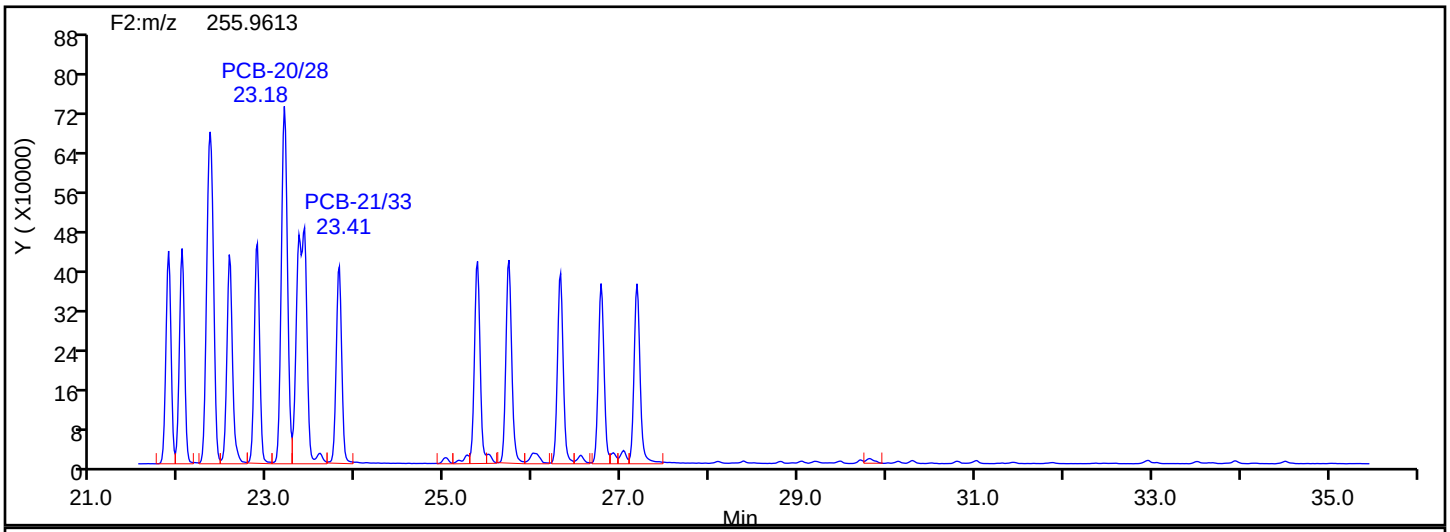

TriPCB F2 Standards

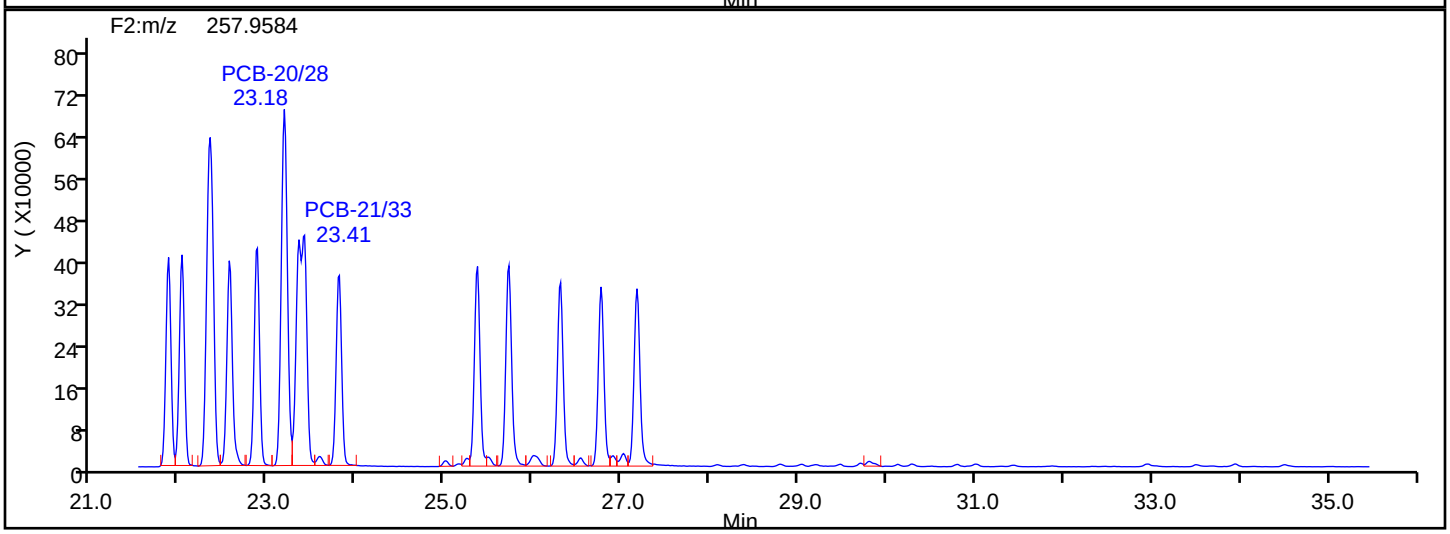


Eurofins TestAmerica, Knoxville

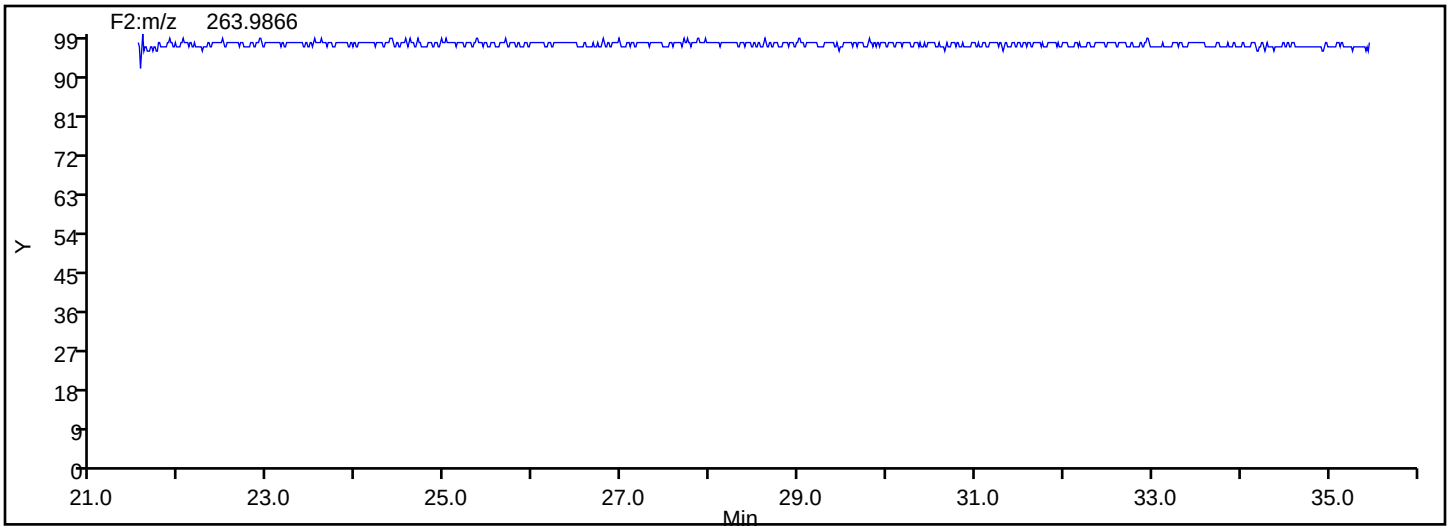
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

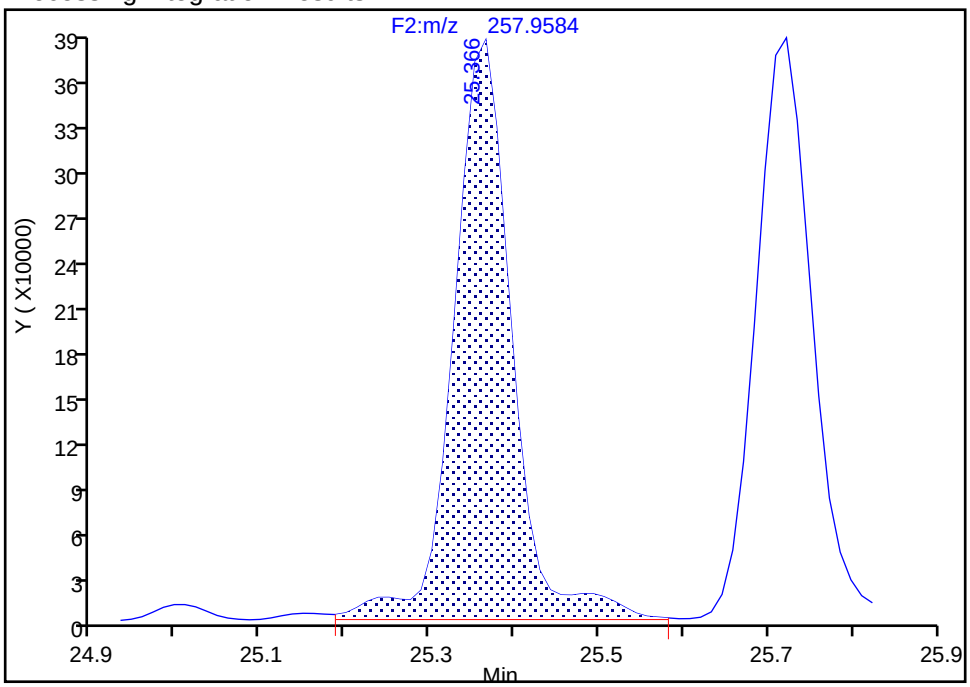
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 2

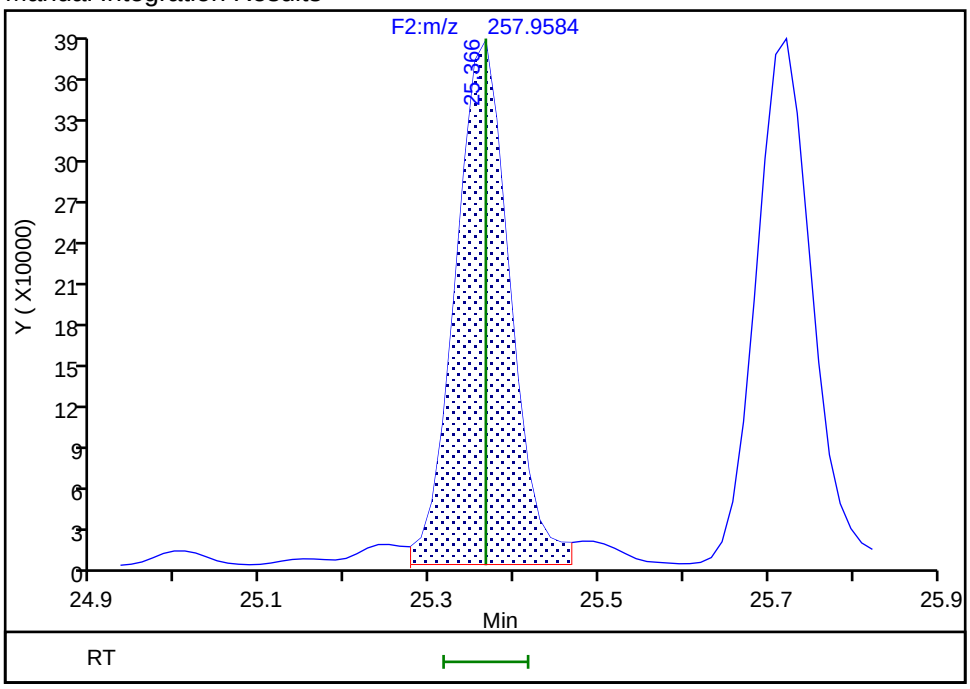
Processing Integration Results

RT: 25.37
Area: 1845039
Amount: 48.216482
Amount Units: pg/ul




Manual Integration Results

RT: 25.37
Area: 1721986
Amount: 46.824569
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:53:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

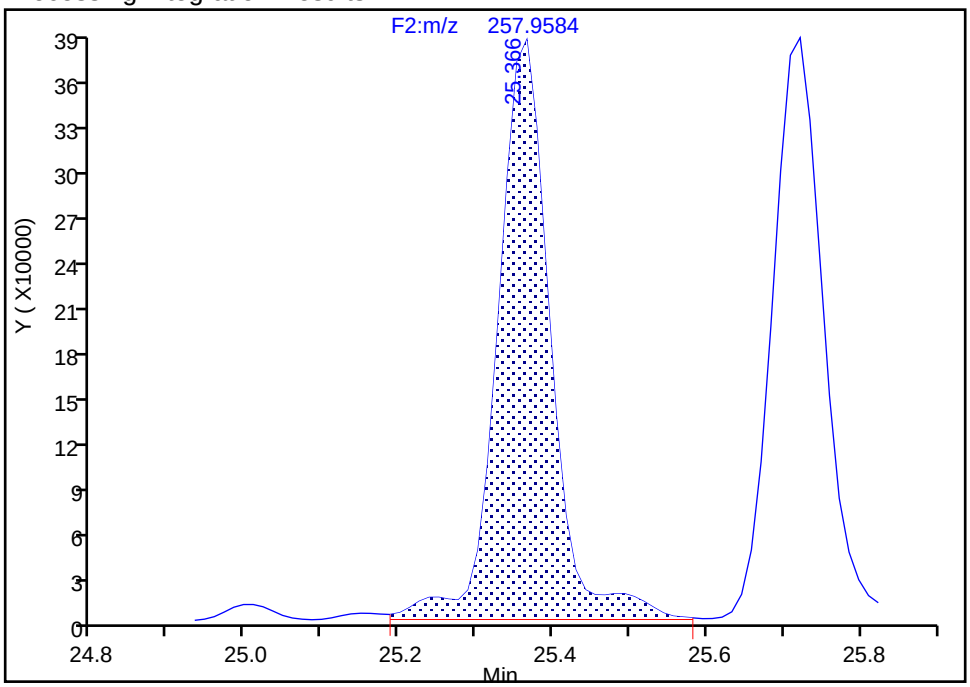
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 3

Processing Integration Results

RT: 25.37
Area: 3763129
Amount: 48.216482
Amount Units: pg/ul




Manual Integration Results

RT: 25.37
Area: 3569714
Amount: 46.824569
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:53:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

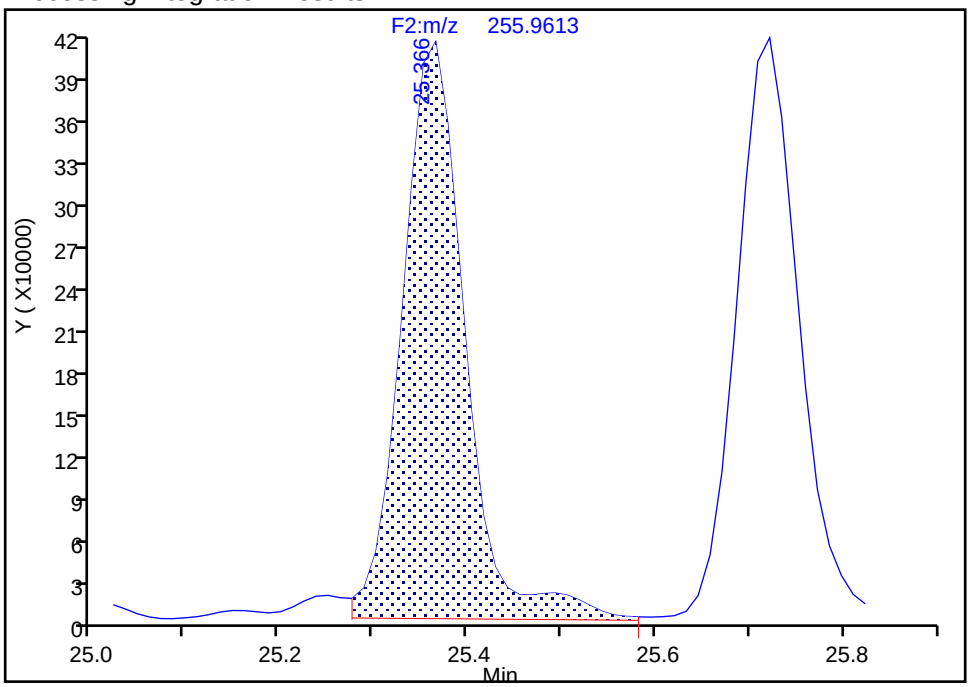
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

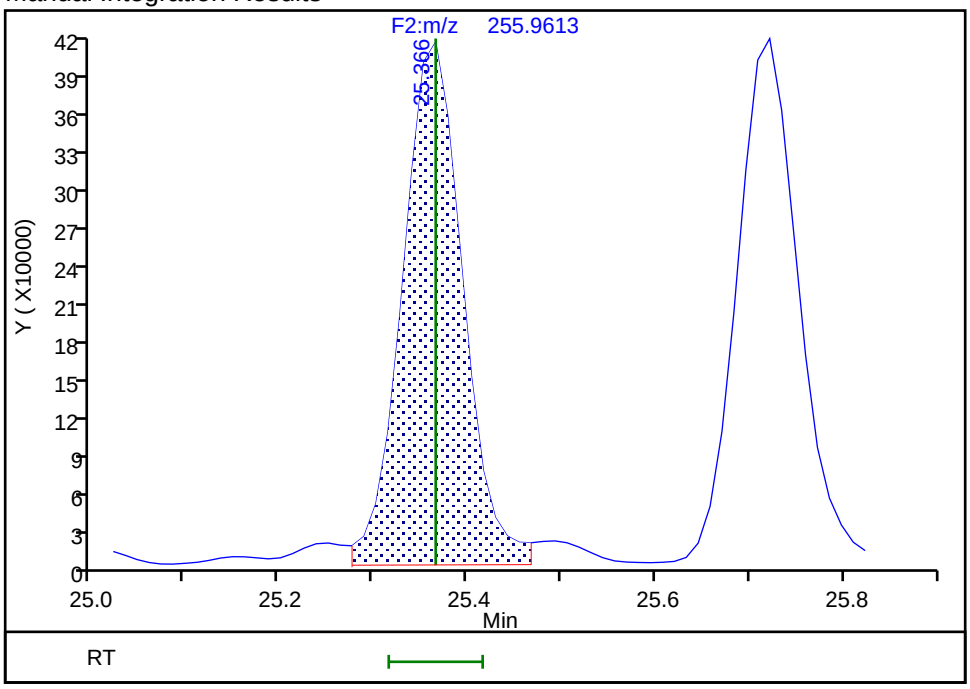
Processing Integration Results

RT: 25.37
Area: 1918090
Amount: 48.216482
Amount Units: pg/ul




Manual Integration Results

RT: 25.37
Area: 1847728
Amount: 46.824569
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:53:52

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

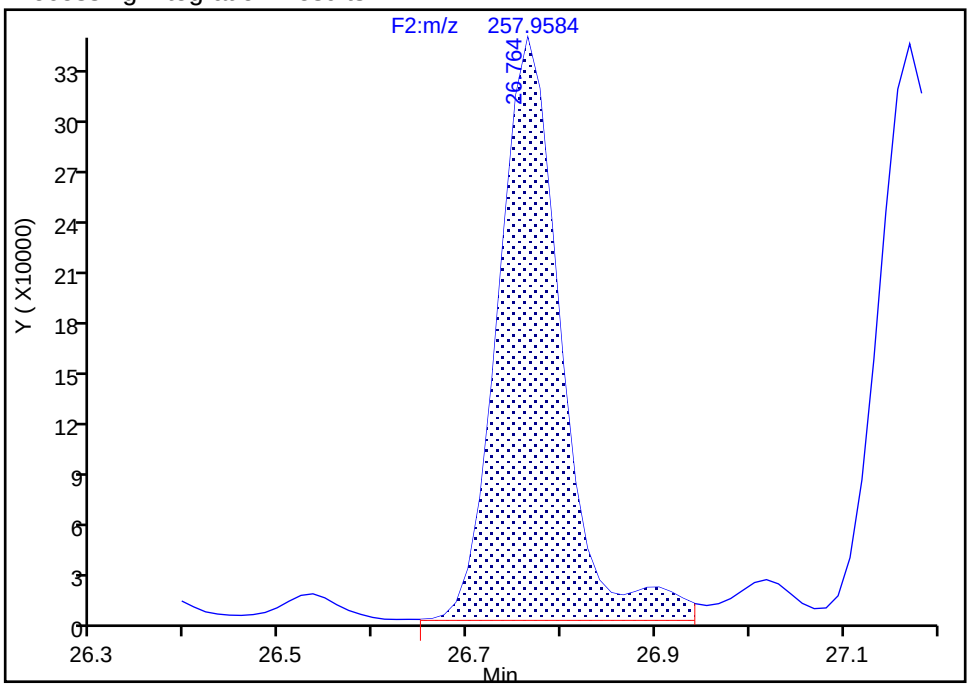
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 2

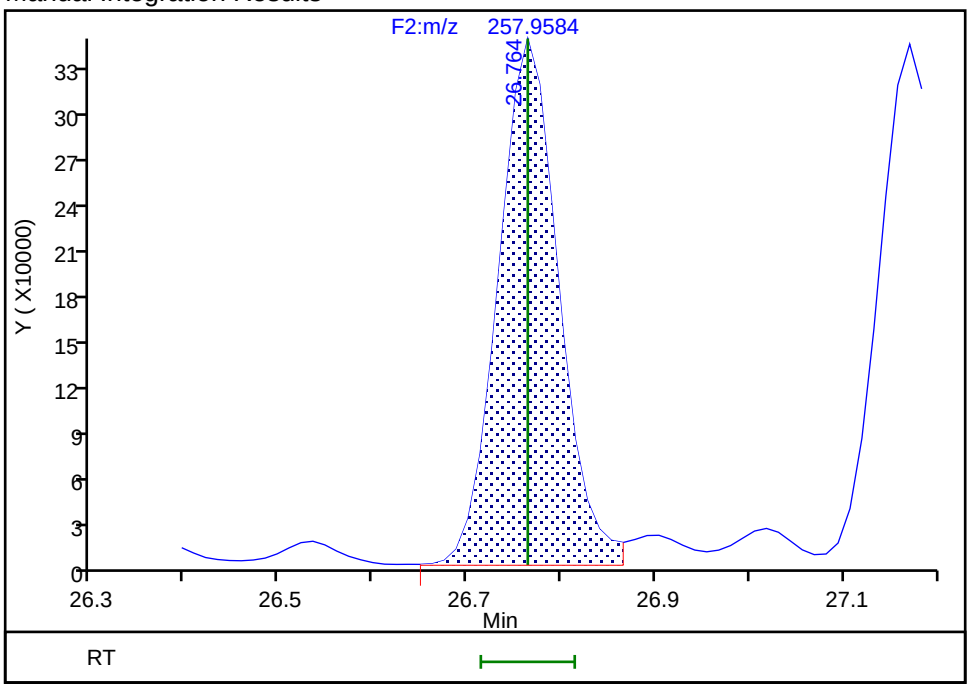
Processing Integration Results

RT: 26.76
Area: 1618719
Amount: 47.108061
Amount Units: pg/ul




Manual Integration Results

RT: 26.76
Area: 1543581
Amount: 46.648136
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:54:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

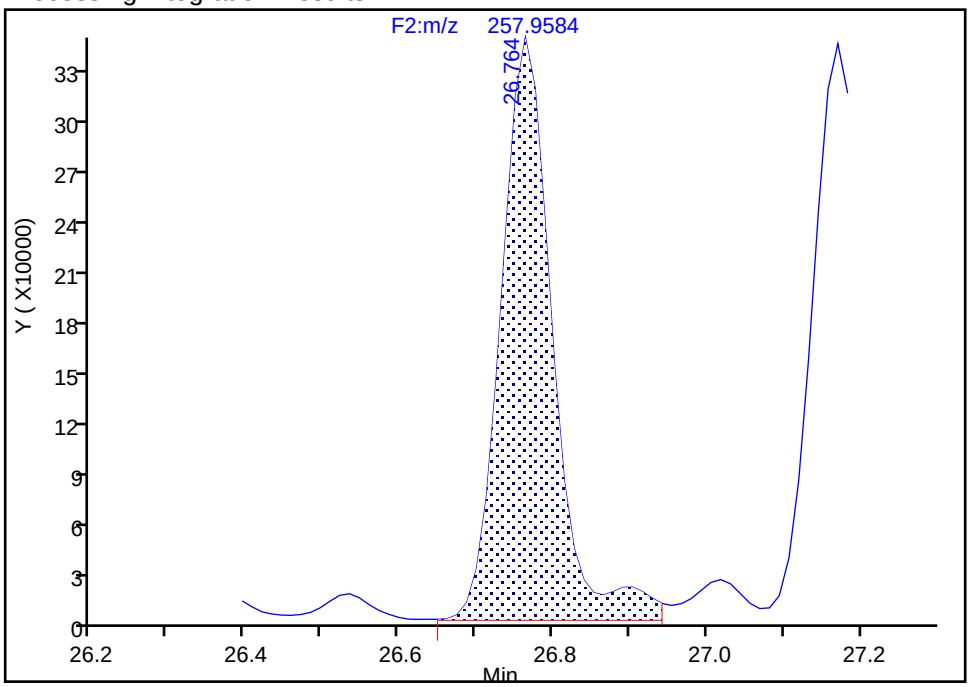
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 3

Processing Integration Results

RT: 26.76
Area: 3287635
Amount: 47.108061
Amount Units: pg/ul




Manual Integration Results

RT: 26.76
Area: 3212497
Amount: 46.648136
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:54:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

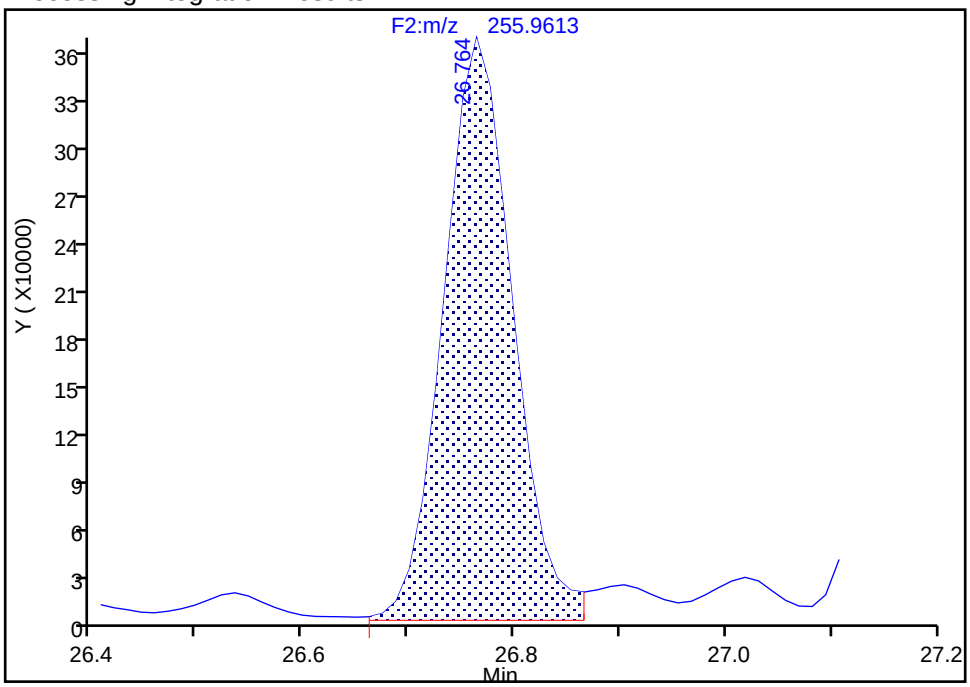
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 1

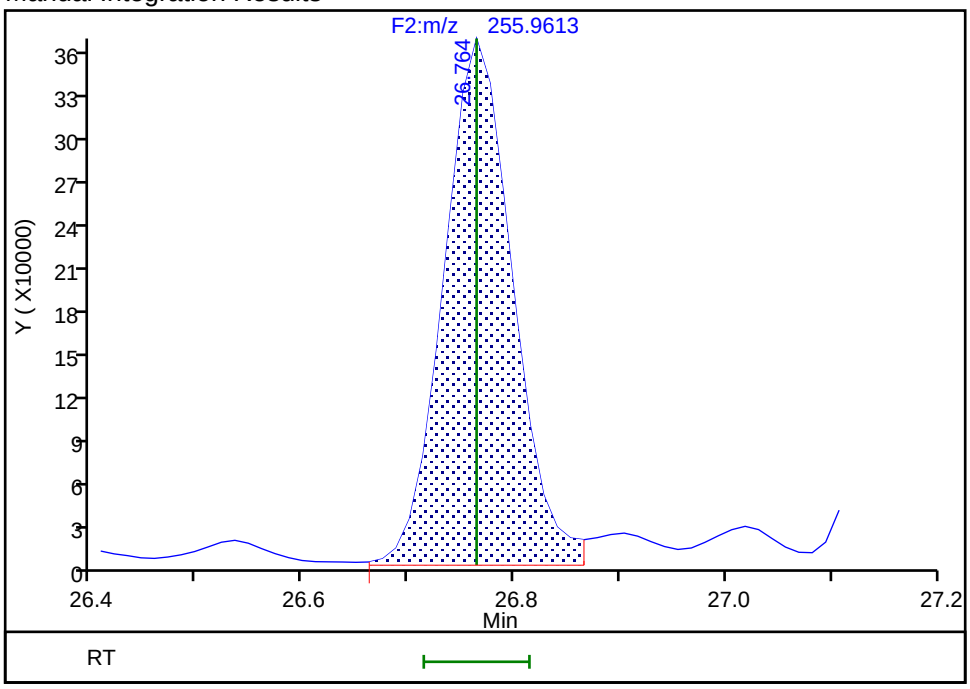
Processing Integration Results

RT: 26.76
Area: 1668916
Amount: 47.108061
Amount Units: pg/ul




Manual Integration Results

RT: 26.76
Area: 1668916
Amount: 46.648136
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:54:04
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

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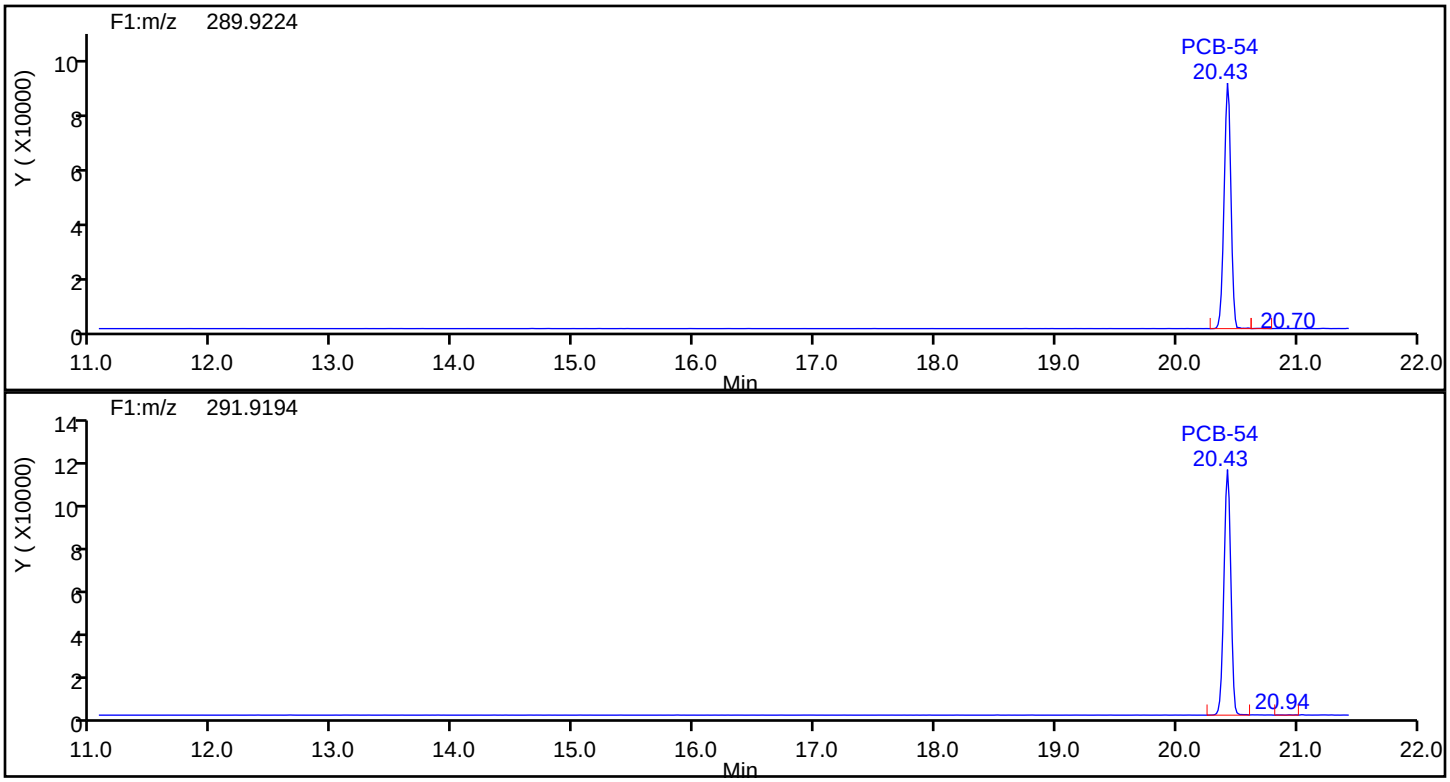
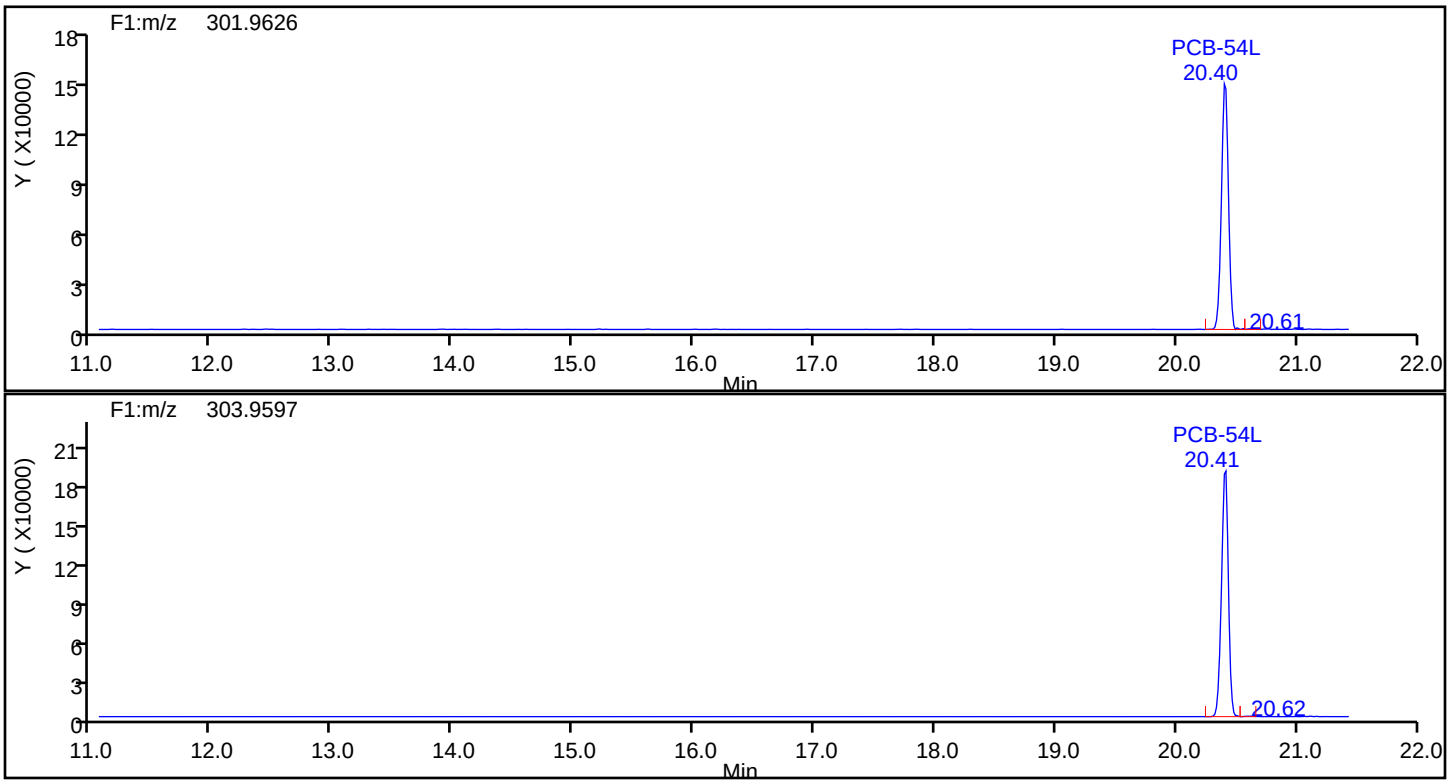
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



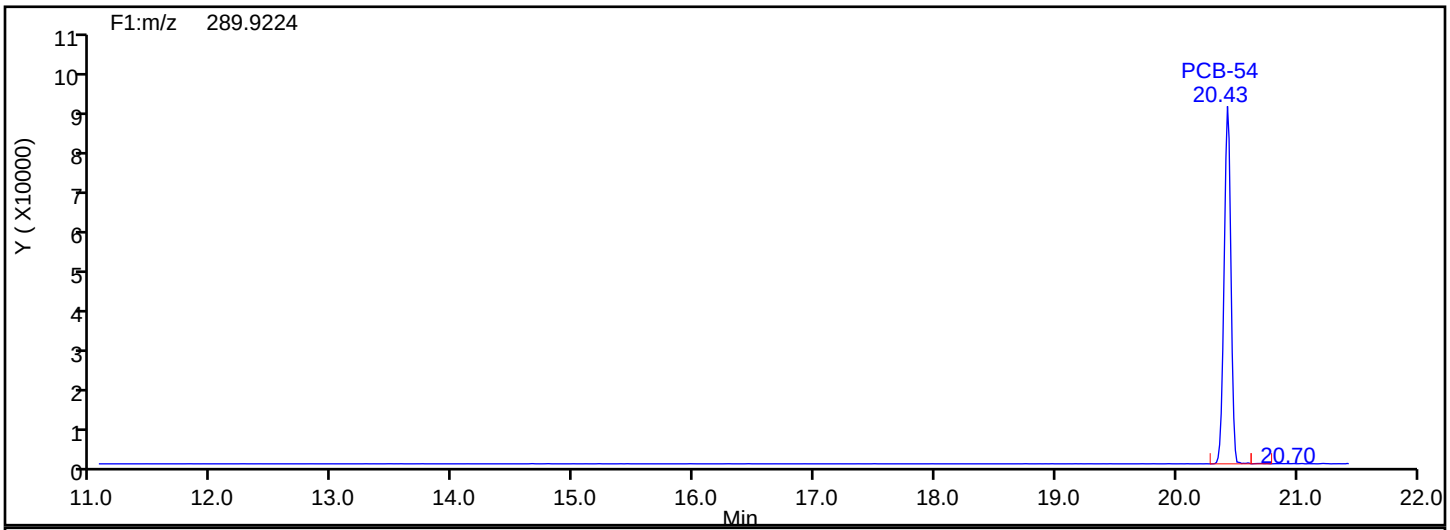

TePCB F1 Standards

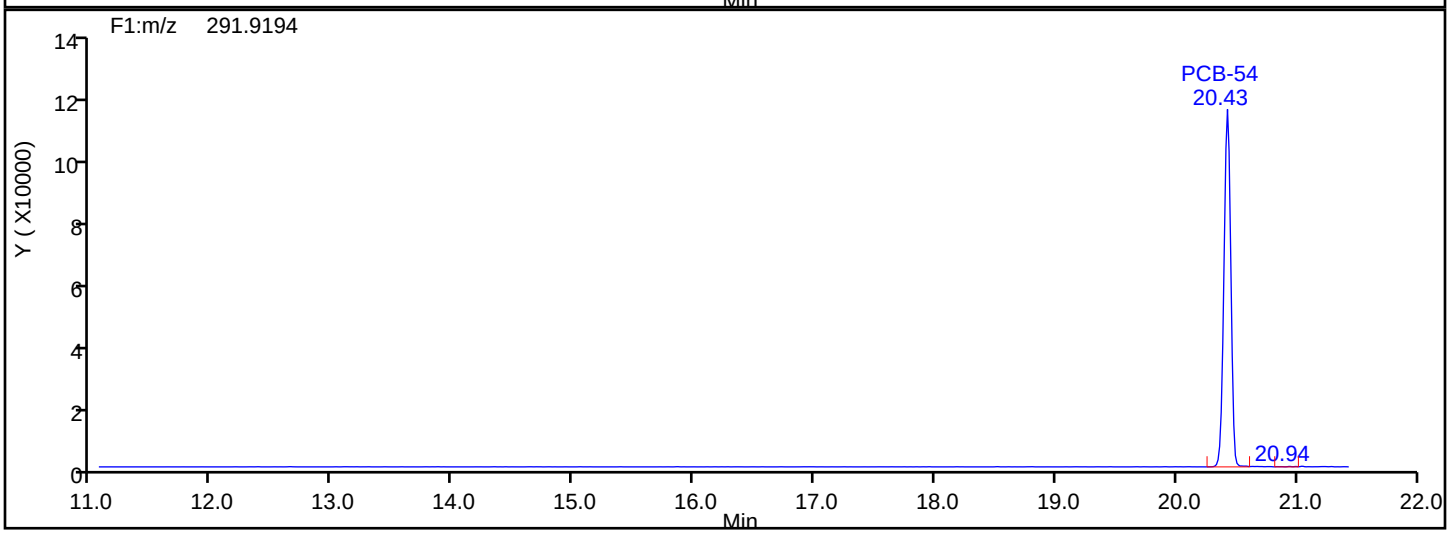


Eurofins TestAmerica, Knoxville

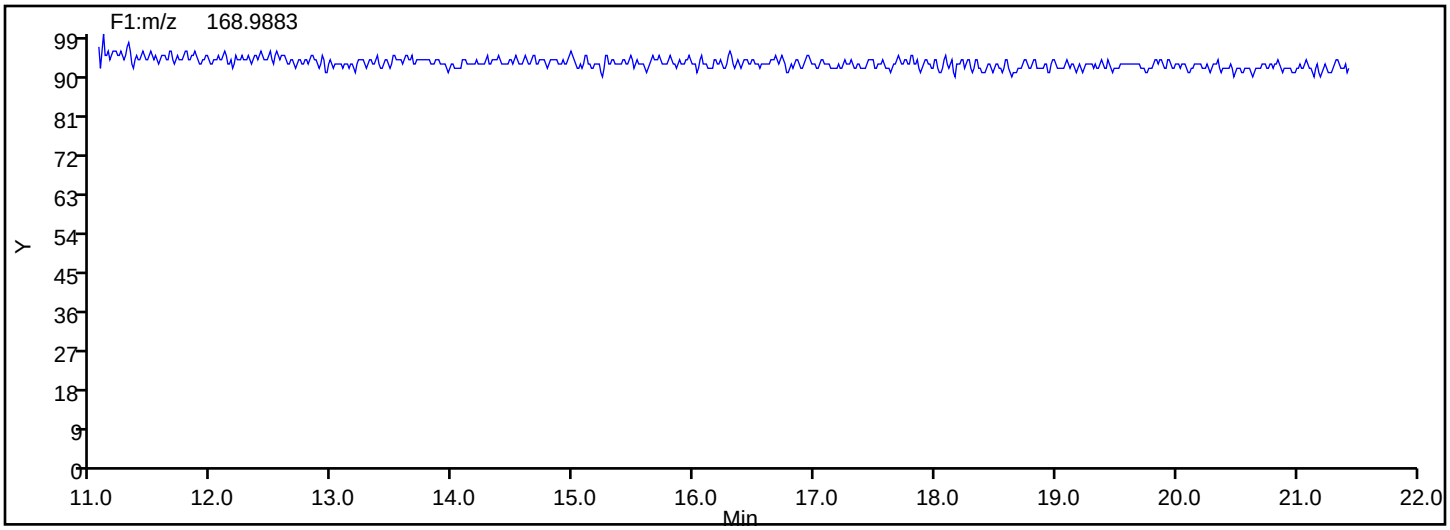
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



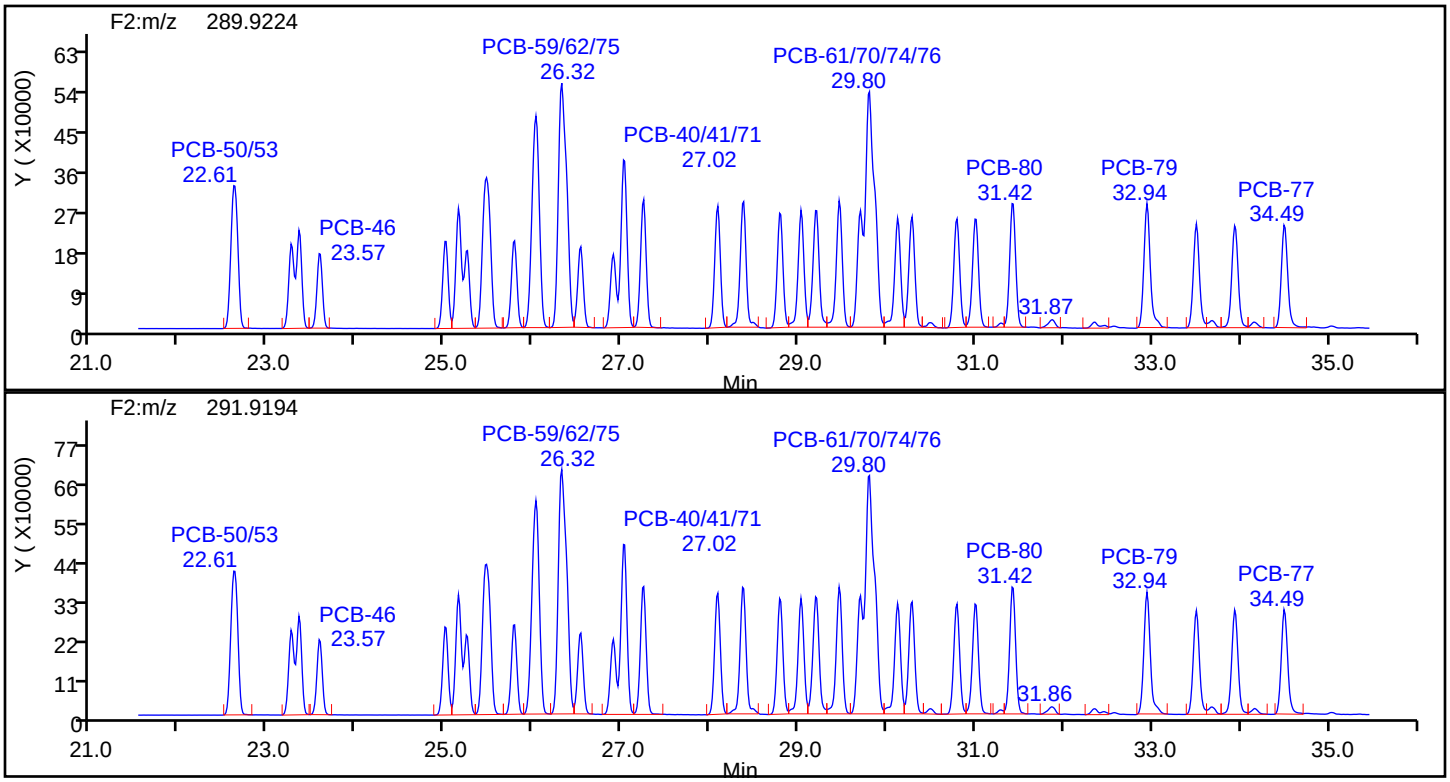

TePCB F1 Lock Mass



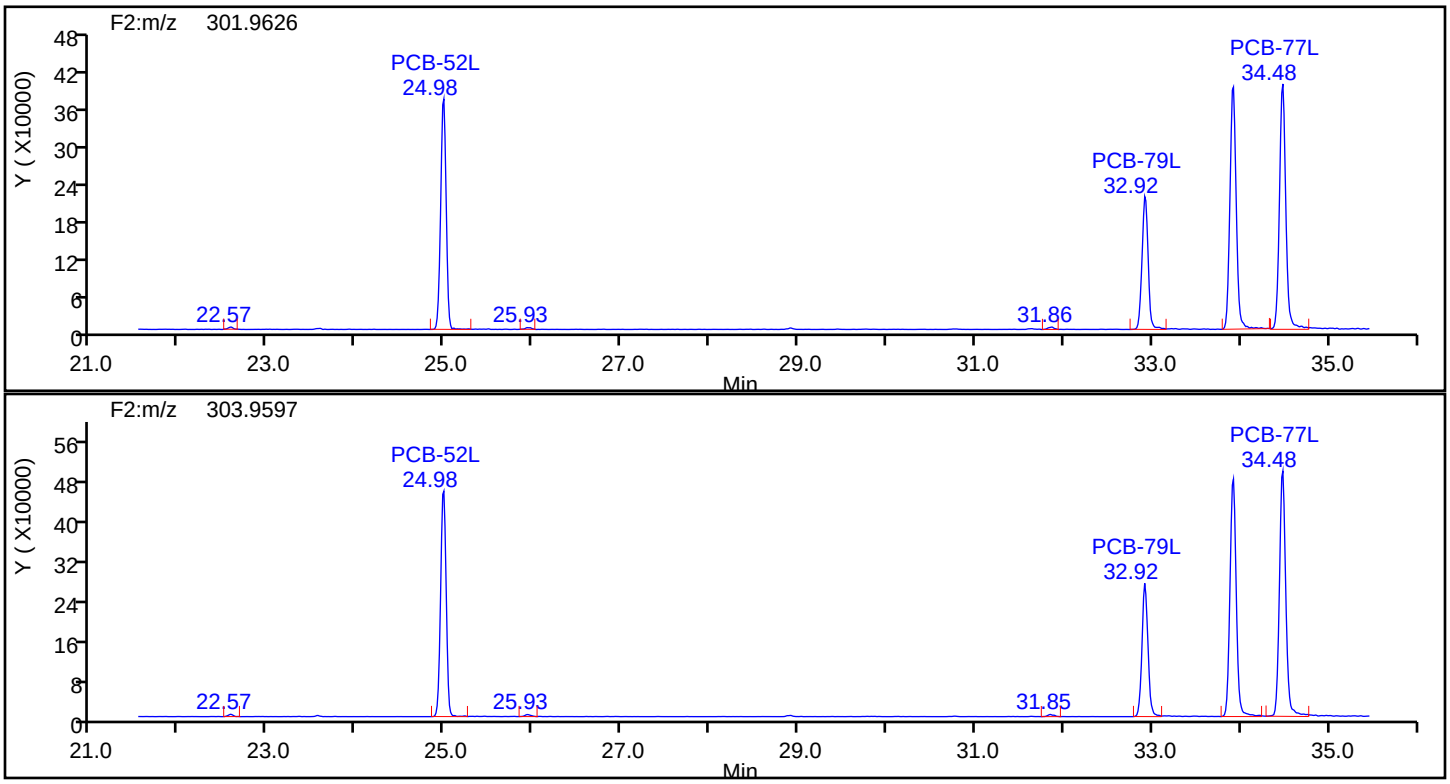
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



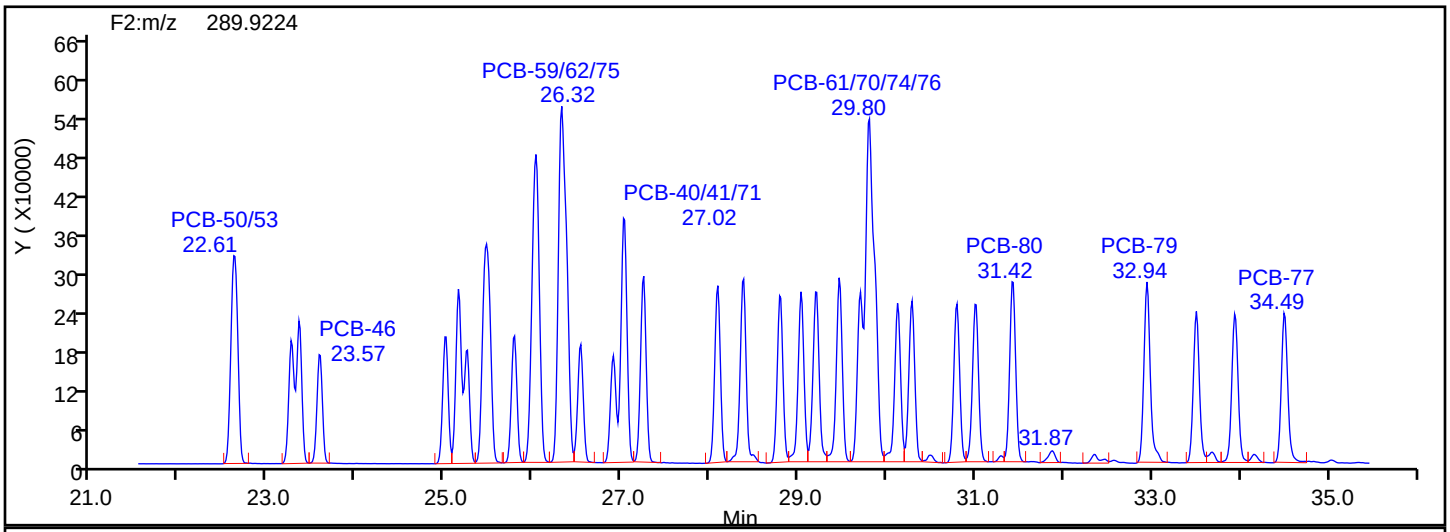

TePCB F2 Standards

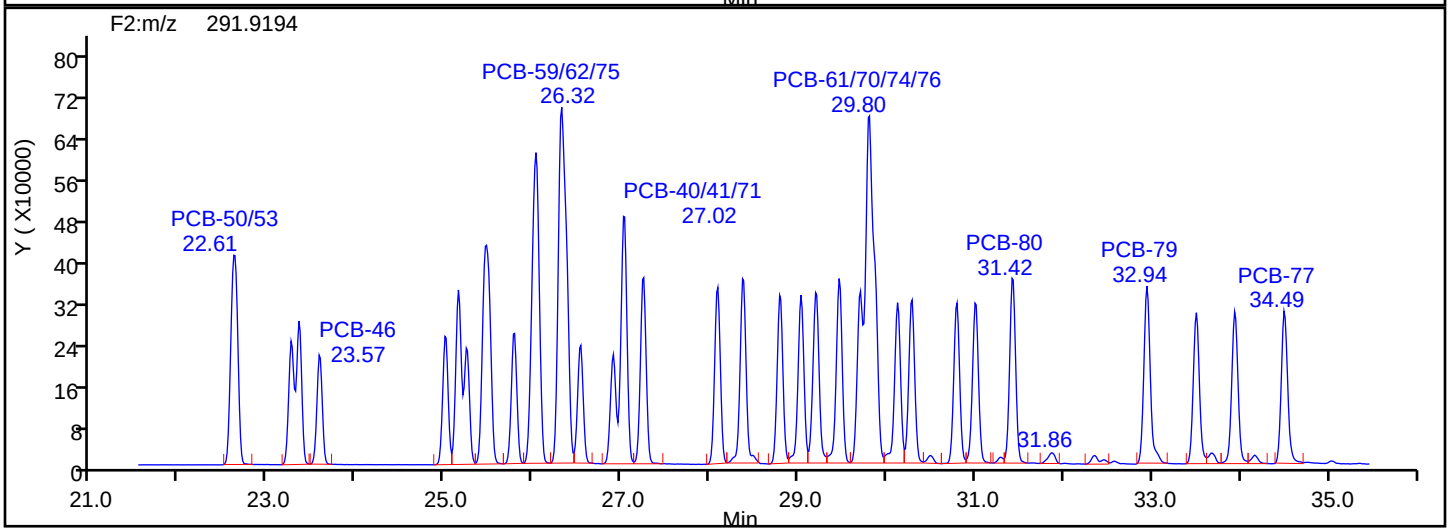


Eurofins TestAmerica, Knoxville

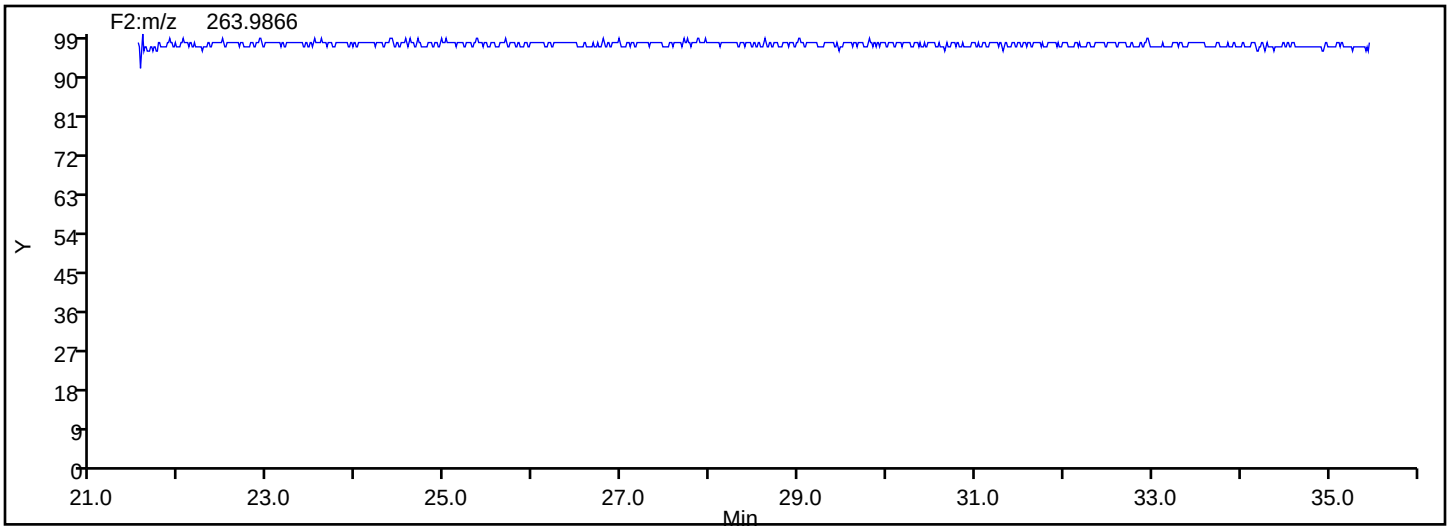
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

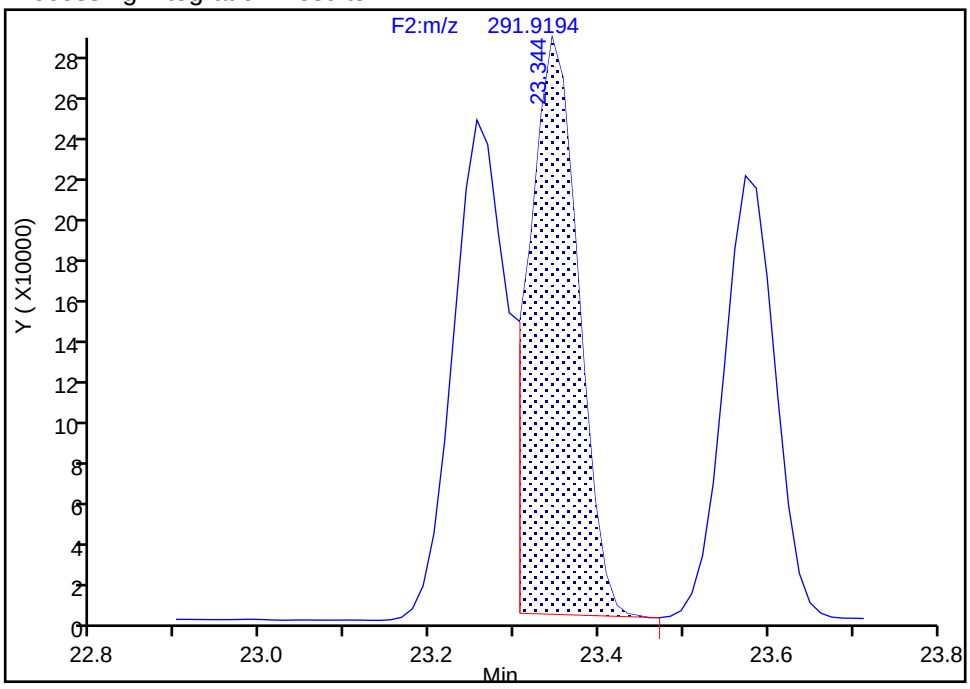
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

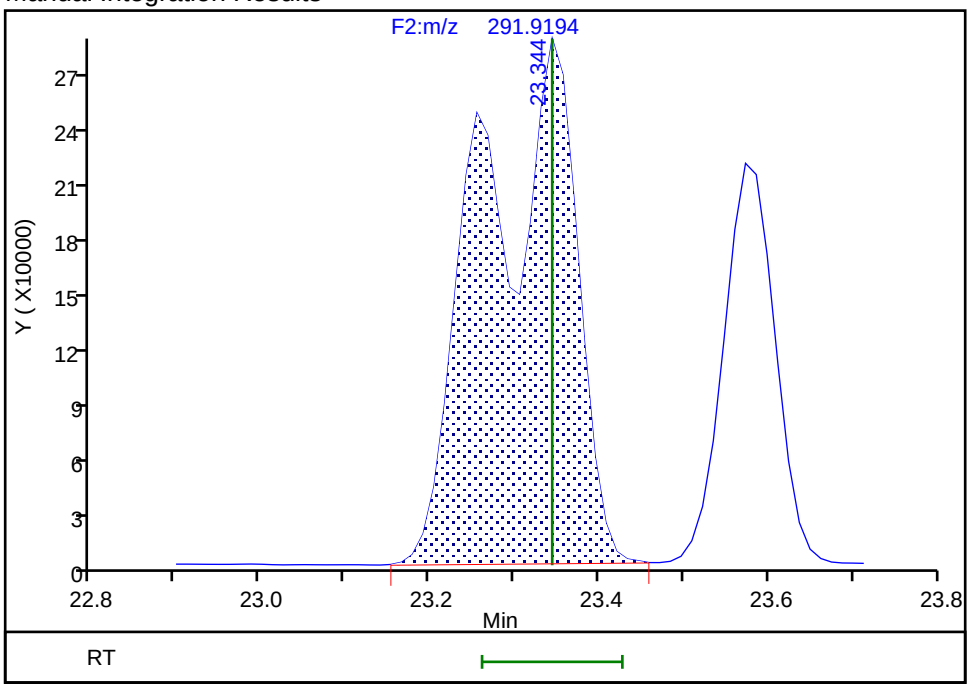
Processing Integration Results

RT: 23.34
Area: 1082128
Amount: 58.720735
Amount Units: pg/ul




Manual Integration Results

RT: 23.34
Area: 2148851
Amount: 98.979254
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:54:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

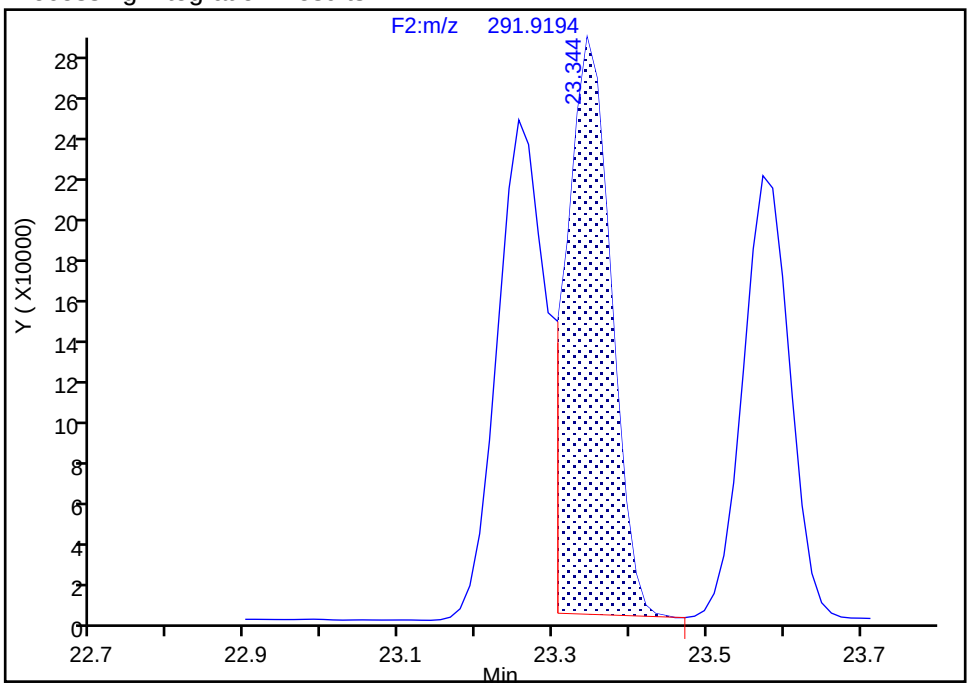
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.34
Area: 1942850
Amount: 58.720735
Amount Units: pg/ul




Manual Integration Results

RT: 23.34
Area: 3846398
Amount: 98.979254
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:54:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

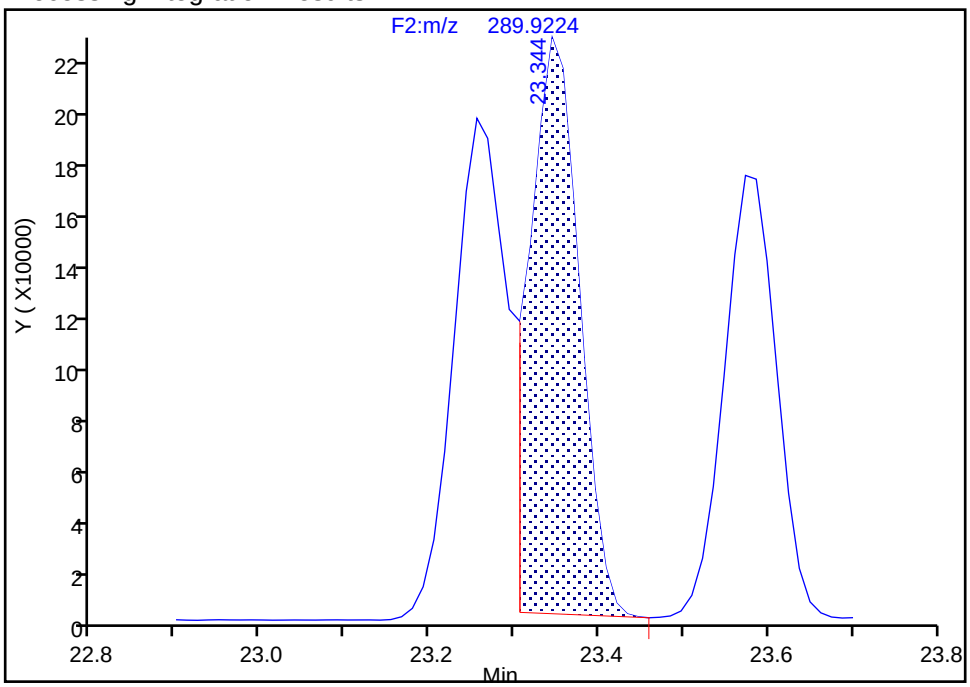
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

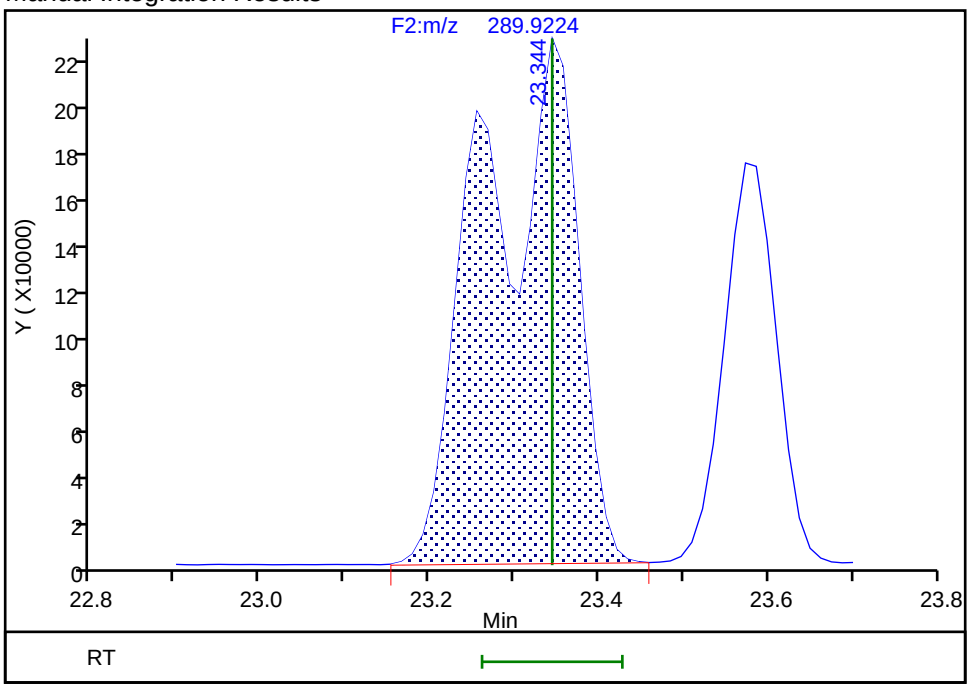
Processing Integration Results

RT: 23.34
Area: 860722
Amount: 58.720735
Amount Units: pg/ul




Manual Integration Results

RT: 23.34
Area: 1697547
Amount: 98.979254
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:54:49

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

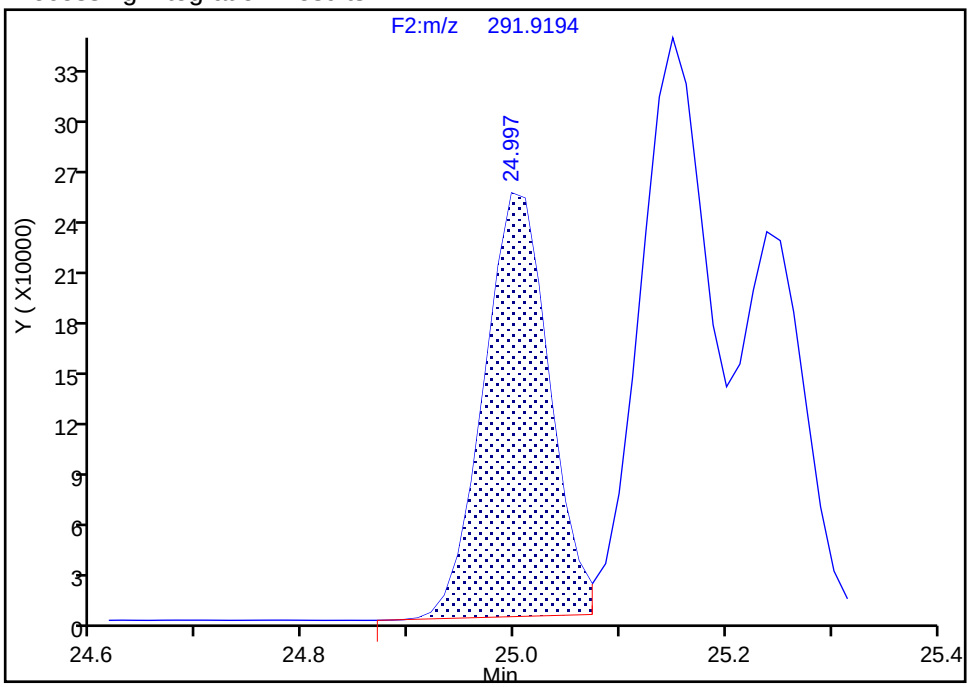
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

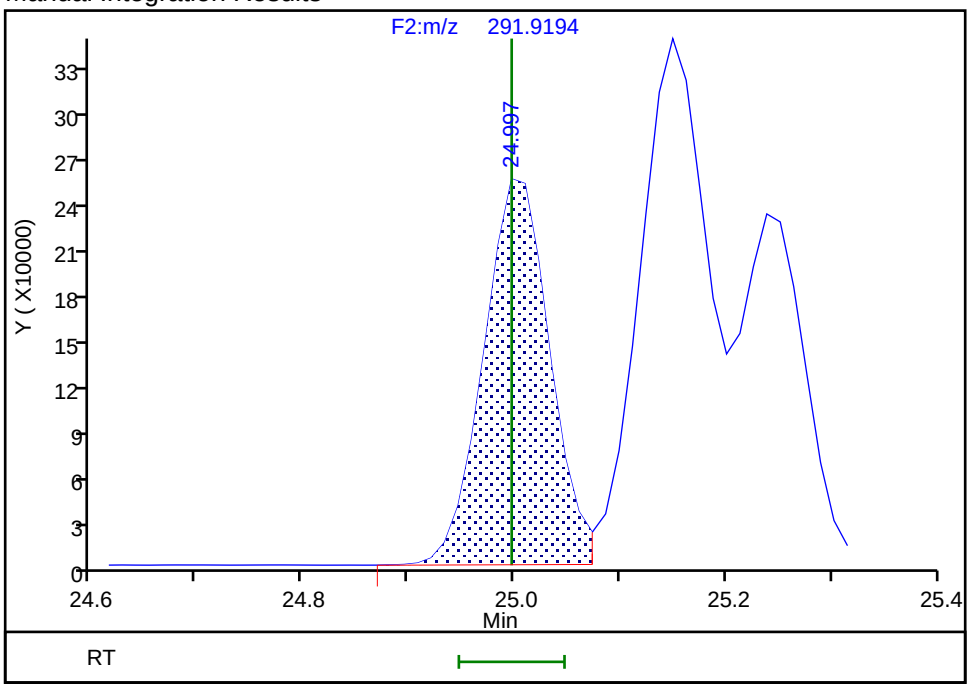
Processing Integration Results

RT: 25.00
Area: 1066260
Amount: 48.204038
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 1085068
Amount: 49.231255
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:56:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

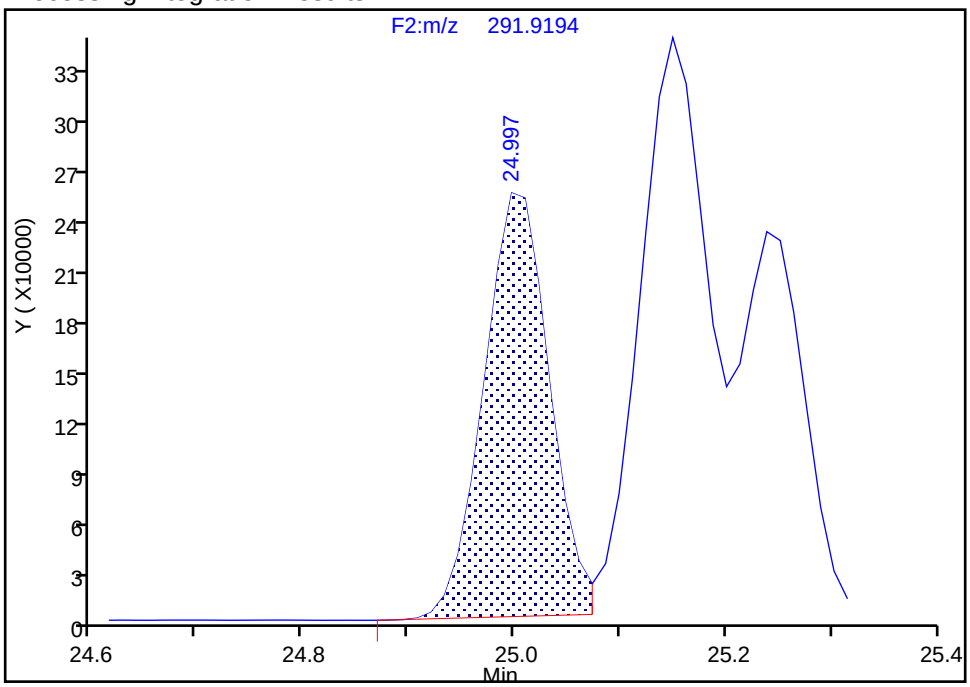
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-52, CAS: 35693-99-3

Signal: 3

Processing Integration Results

RT: 25.00
Area: 1907954
Amount: 48.204038
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 1943889
Amount: 49.231255
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:56:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

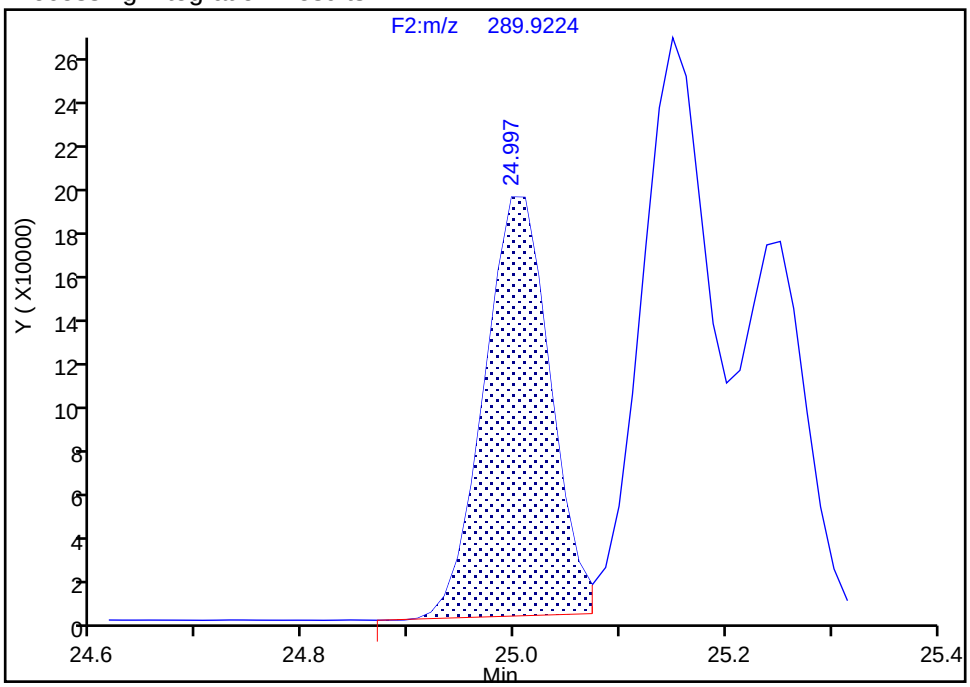
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

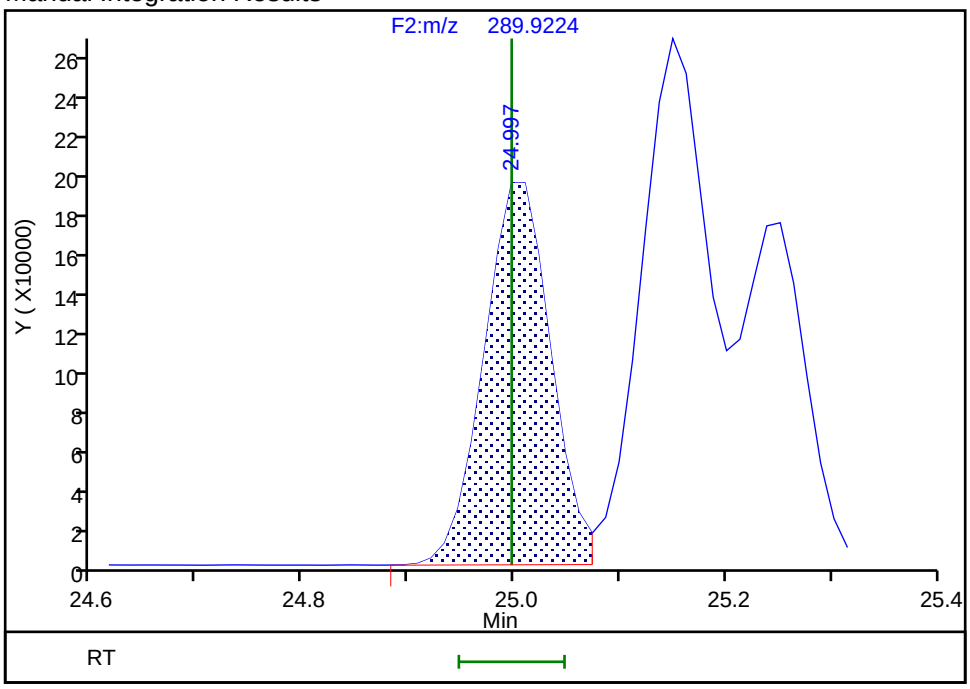
Processing Integration Results

RT: 25.00
Area: 841694
Amount: 48.204038
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 858821
Amount: 49.231255
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:56:38

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

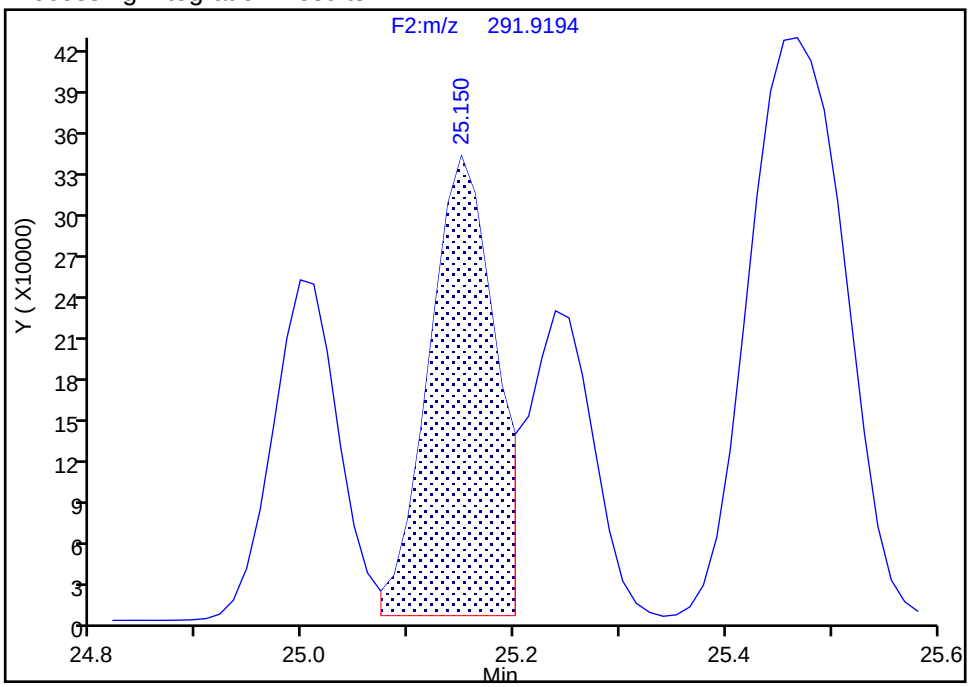
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

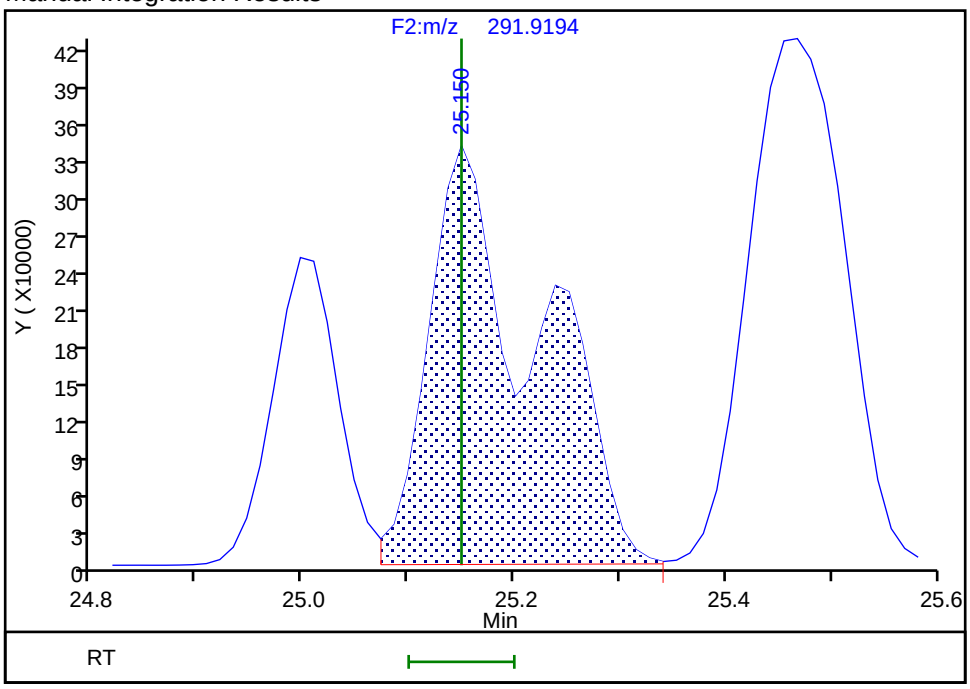
Processing Integration Results

RT: 25.15
Area: 1448097
Amount: 66.890547
Amount Units: pg/ul




Manual Integration Results

RT: 25.15
Area: 2437152
Amount: 98.831818
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:56:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

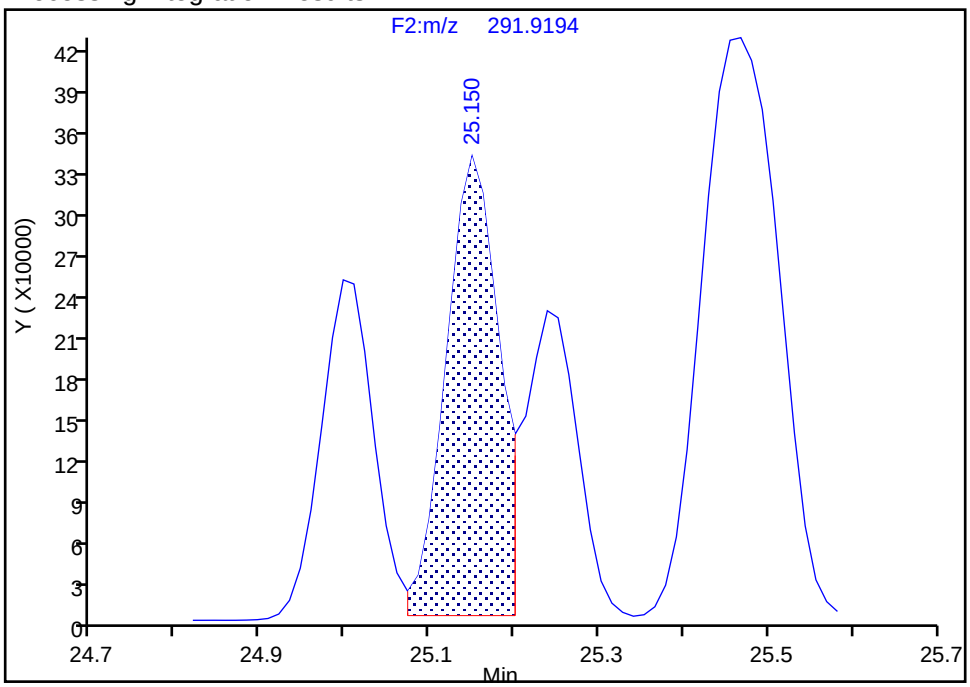
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 3

Processing Integration Results

RT: 25.15
Area: 2574283
Amount: 66.890547
Amount Units: pg/ul




Manual Integration Results

RT: 25.15
Area: 4336762
Amount: 98.831818
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:56:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

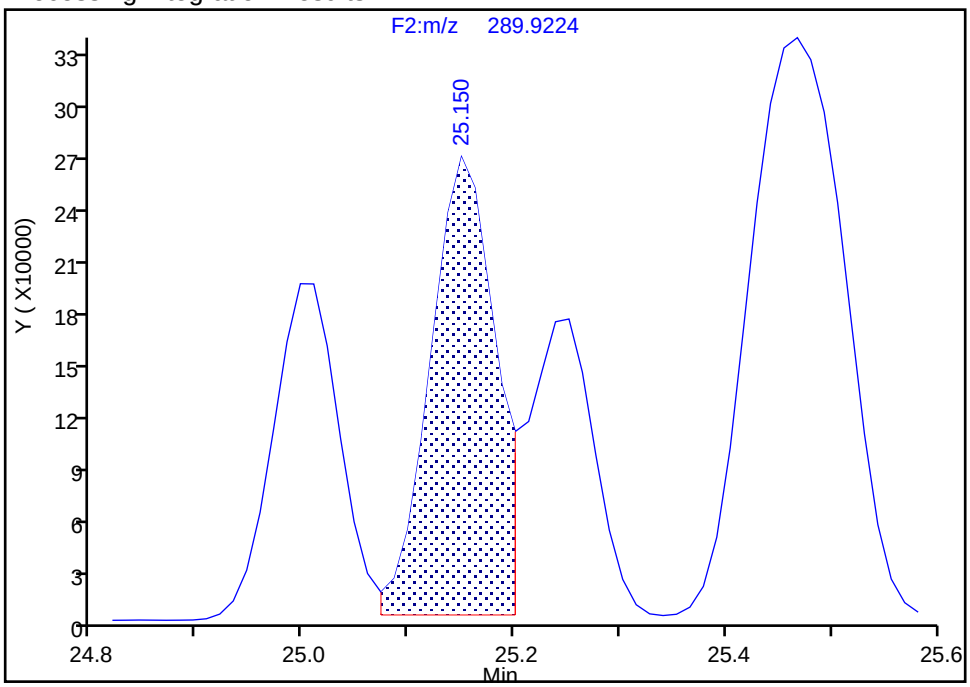
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

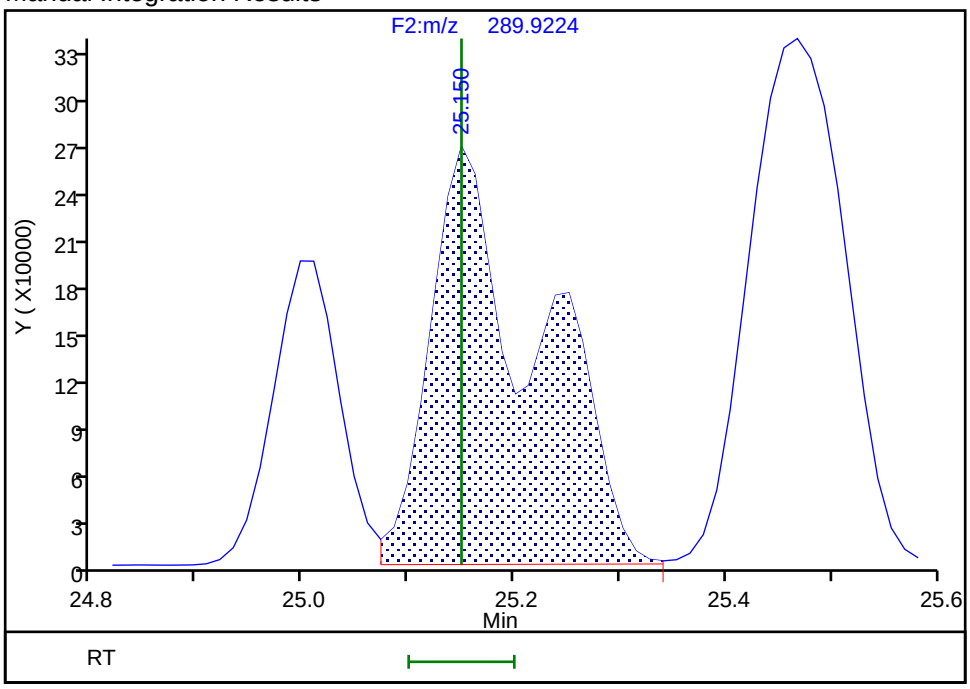
Processing Integration Results

RT: 25.15
Area: 1126186
Amount: 66.890547
Amount Units: pg/ul




Manual Integration Results

RT: 25.15
Area: 1899610
Amount: 98.831818
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:56:42
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

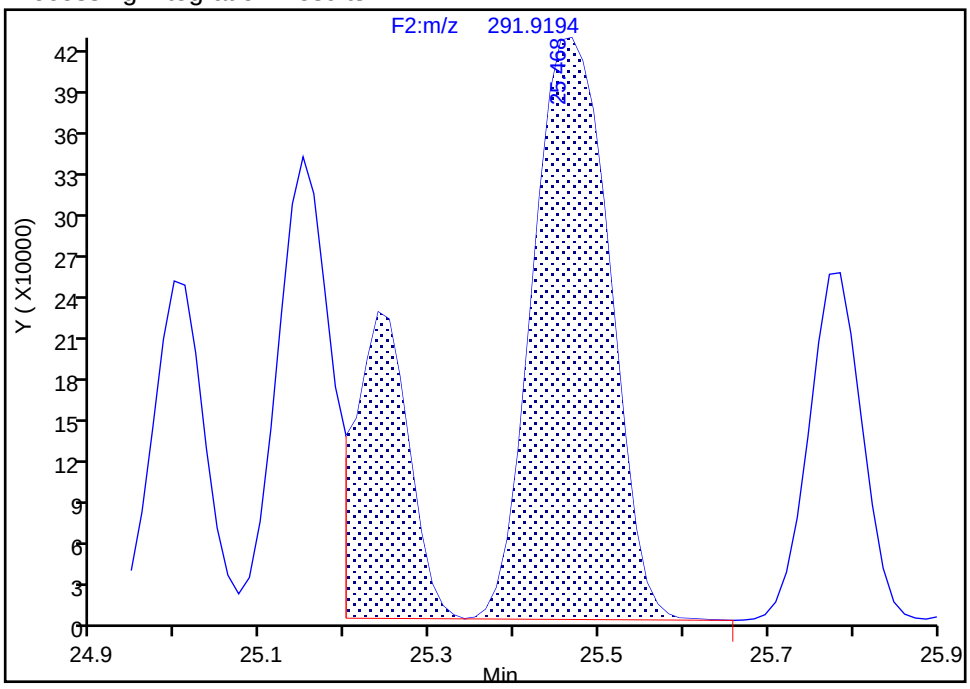
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 2

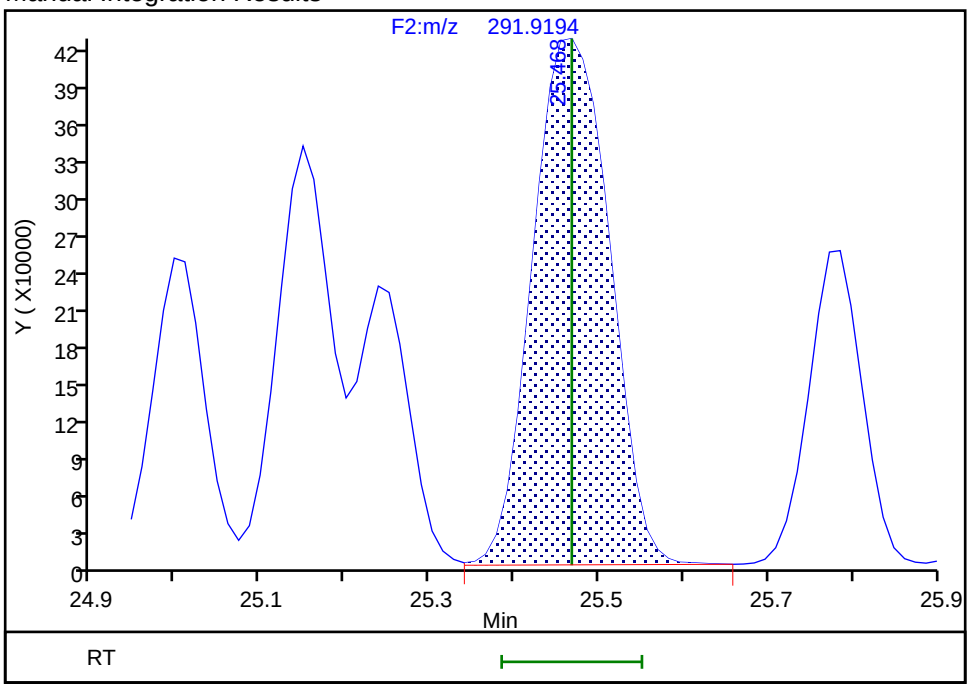
Processing Integration Results

RT: 25.47
Area: 3633131
Amount: 123.0016
Amount Units: pg/ul




Manual Integration Results

RT: 25.47
Area: 2702397
Amount: 96.787518
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:56:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

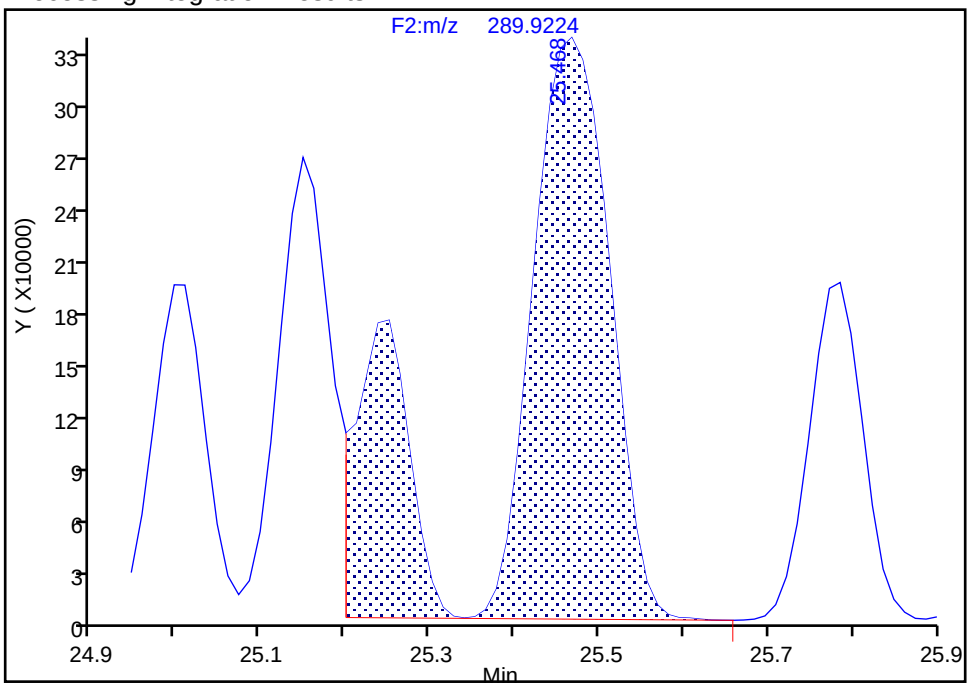
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 1

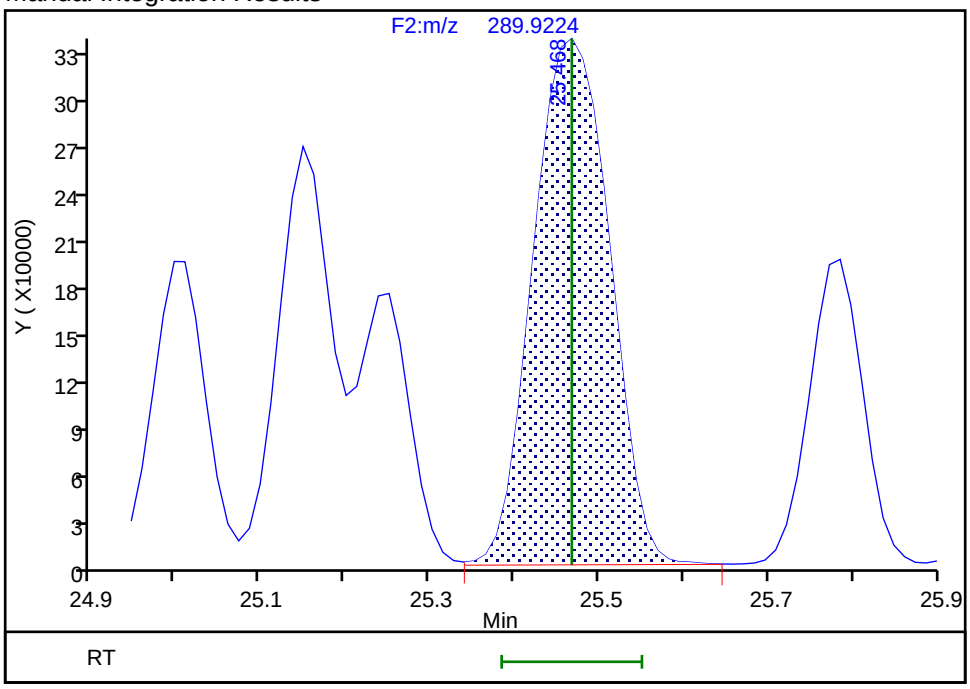
Processing Integration Results

RT: 25.47
Area: 2844059
Amount: 123.0016
Amount Units: pg/ul




Manual Integration Results

RT: 25.47
Area: 2127908
Amount: 96.787518
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:56:45
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

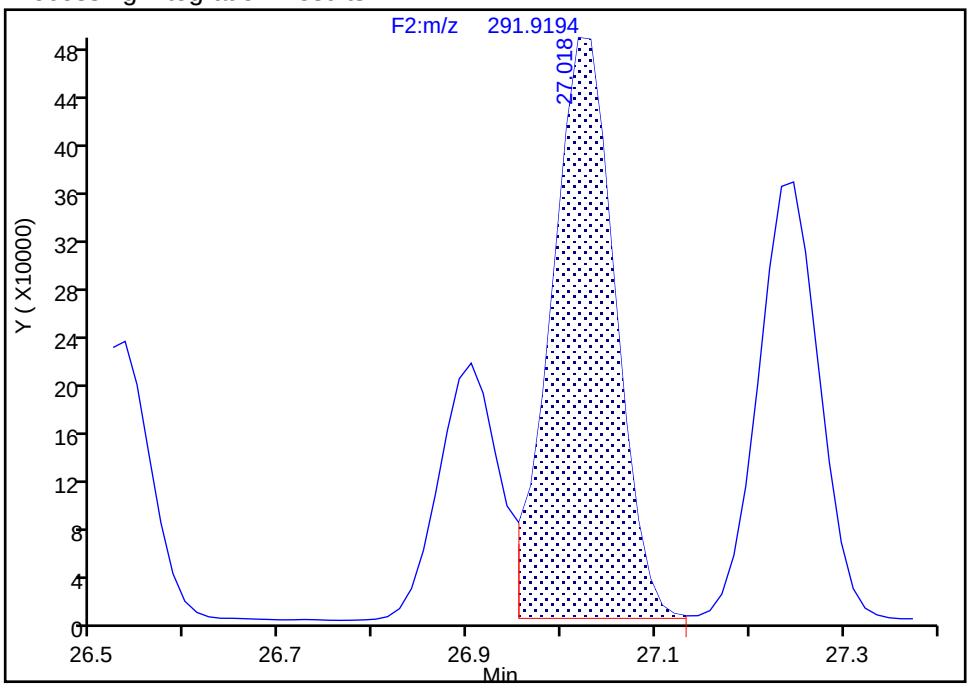
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 2

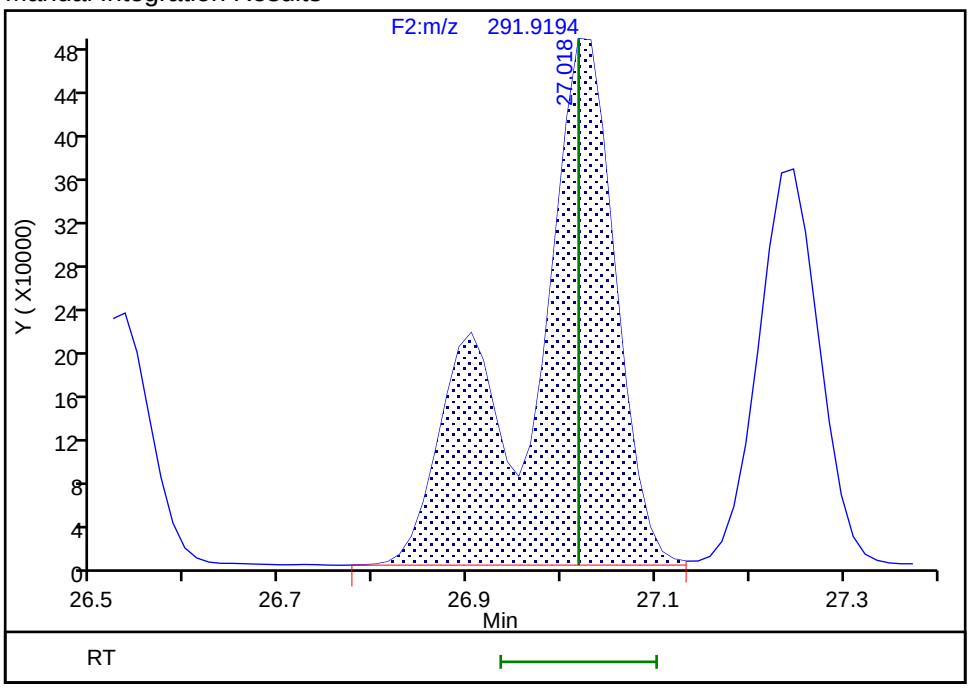
Processing Integration Results

RT: 27.02
Area: 2259892
Amount: 109.9594
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 3216462
Amount: 142.1455
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:57:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

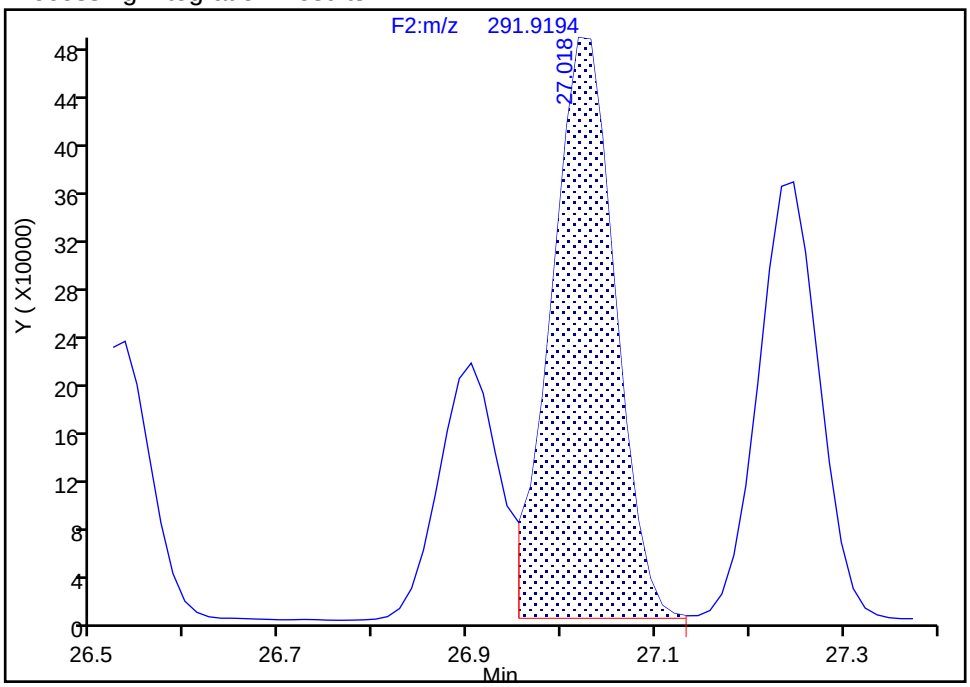
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 27.02
Area: 4034295
Amount: 109.9594
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 5729021
Amount: 142.1455
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:57:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

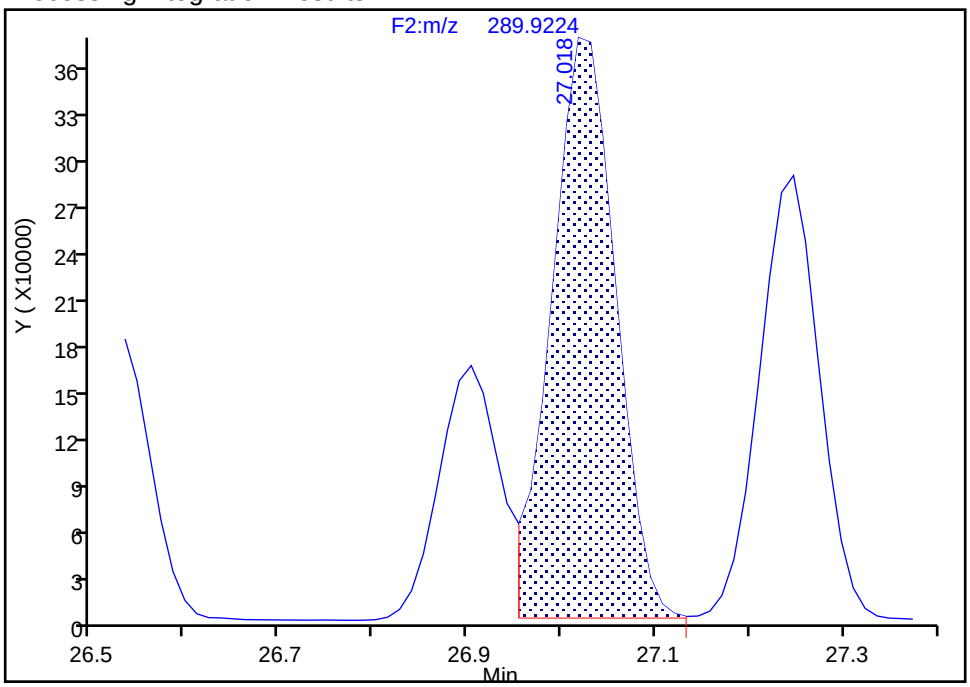
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 1

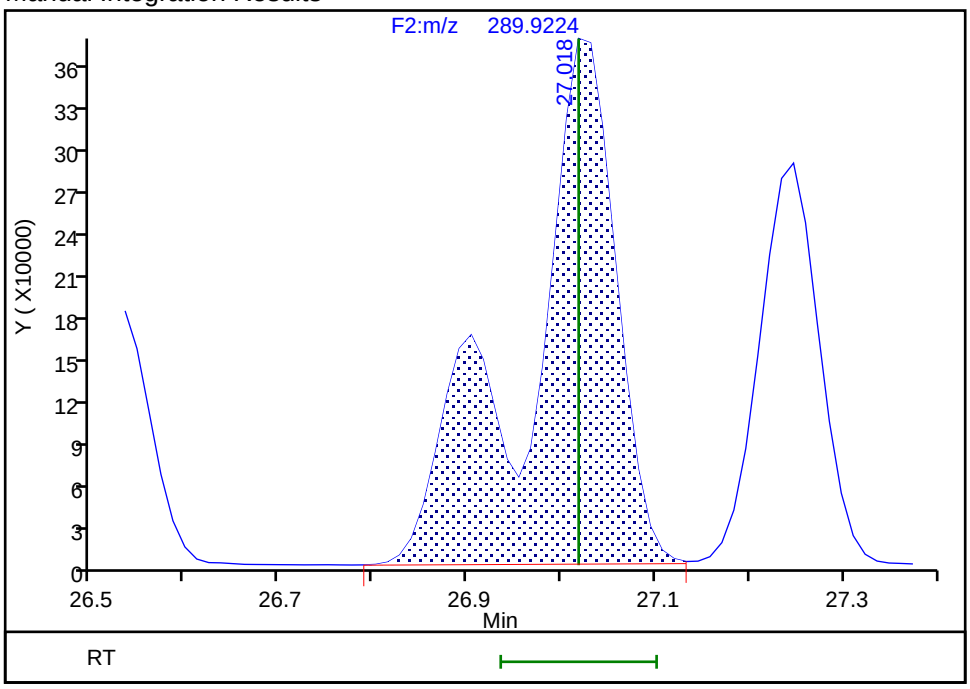
Processing Integration Results

RT: 27.02
Area: 1774403
Amount: 109.9594
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 2512559
Amount: 142.1455
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:57:57
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

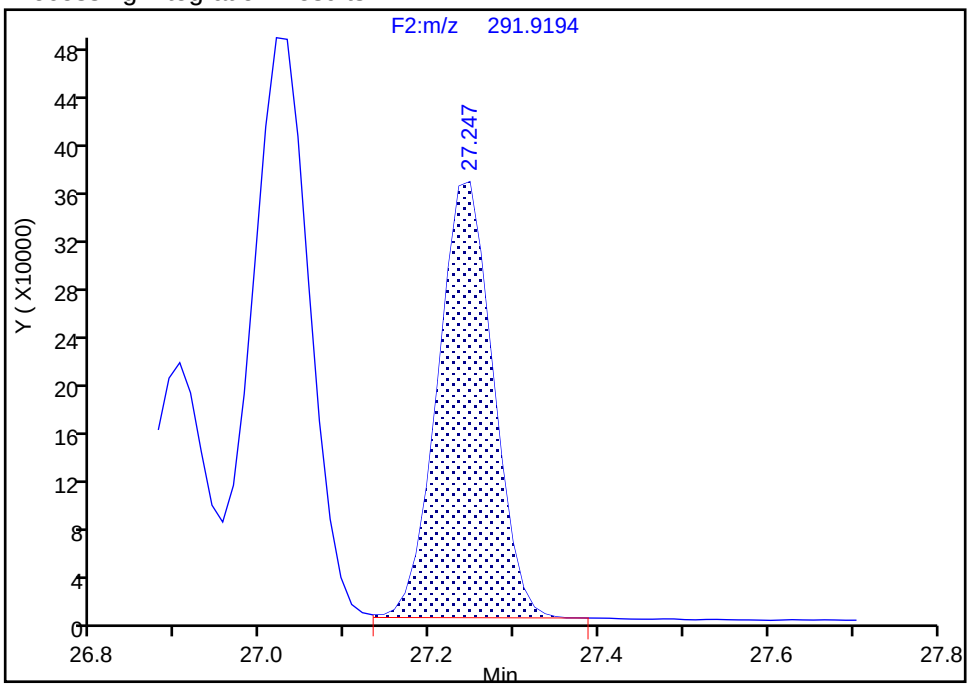
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 2

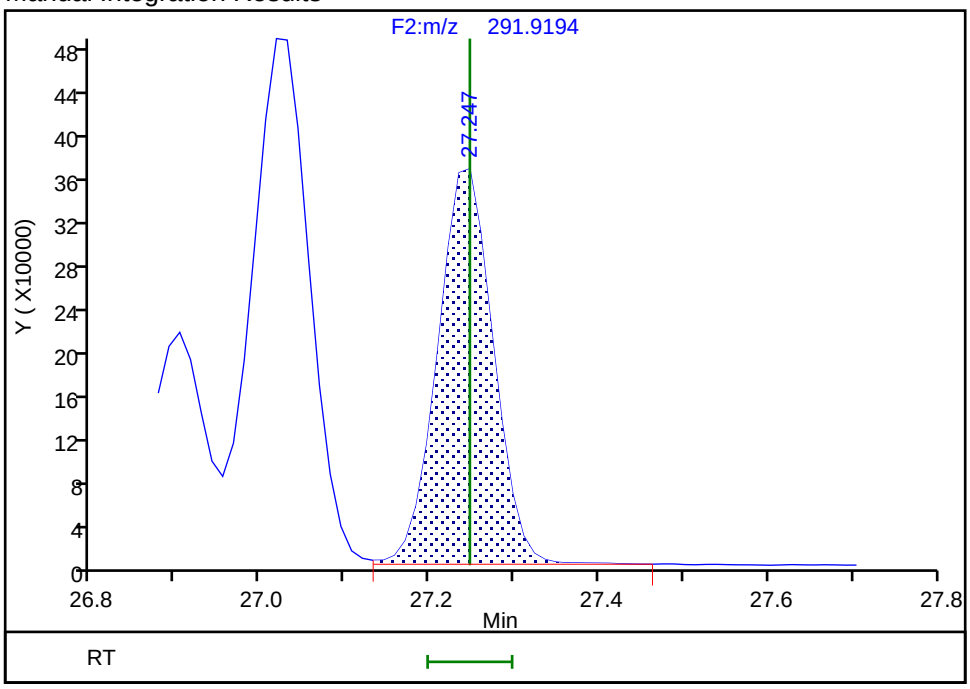
Processing Integration Results

RT: 27.25
Area: 1635882
Amount: 46.852015
Amount Units: pg/ul




Manual Integration Results

RT: 27.25
Area: 1657403
Amount: 47.177606
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:58:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

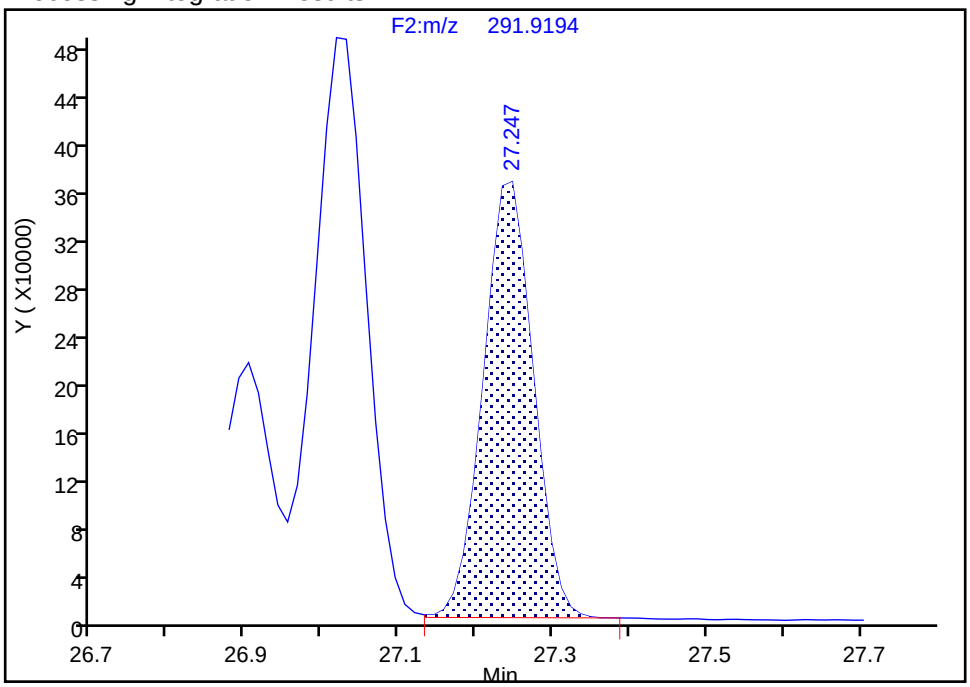
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 3

Processing Integration Results

RT: 27.25
Area: 2912531
Amount: 46.852015
Amount Units: pg/ul




Manual Integration Results

RT: 27.25
Area: 2934052
Amount: 47.177606
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:58:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

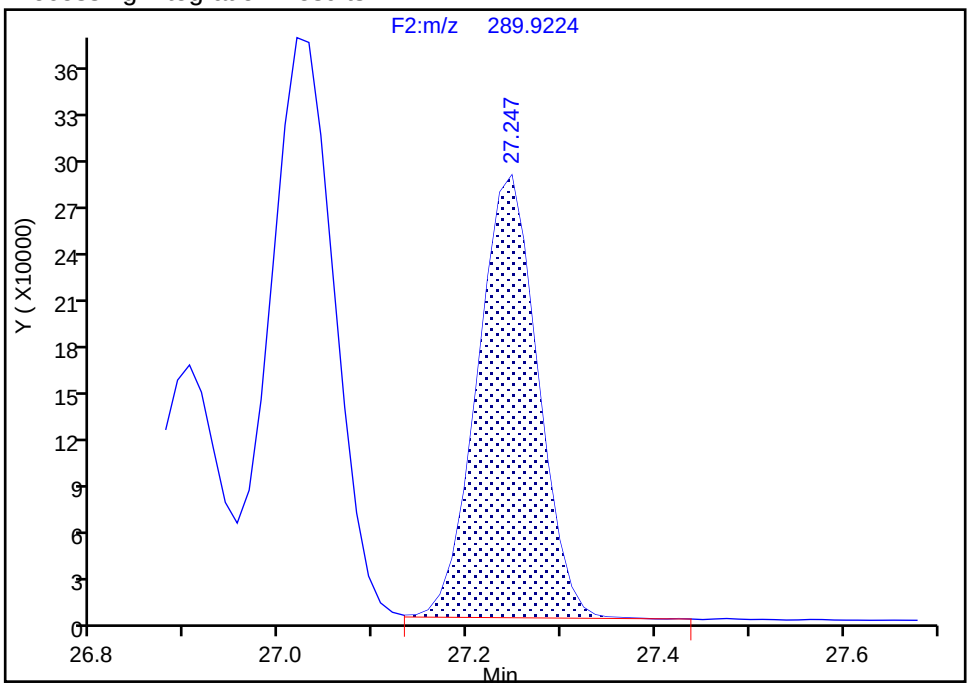
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 1

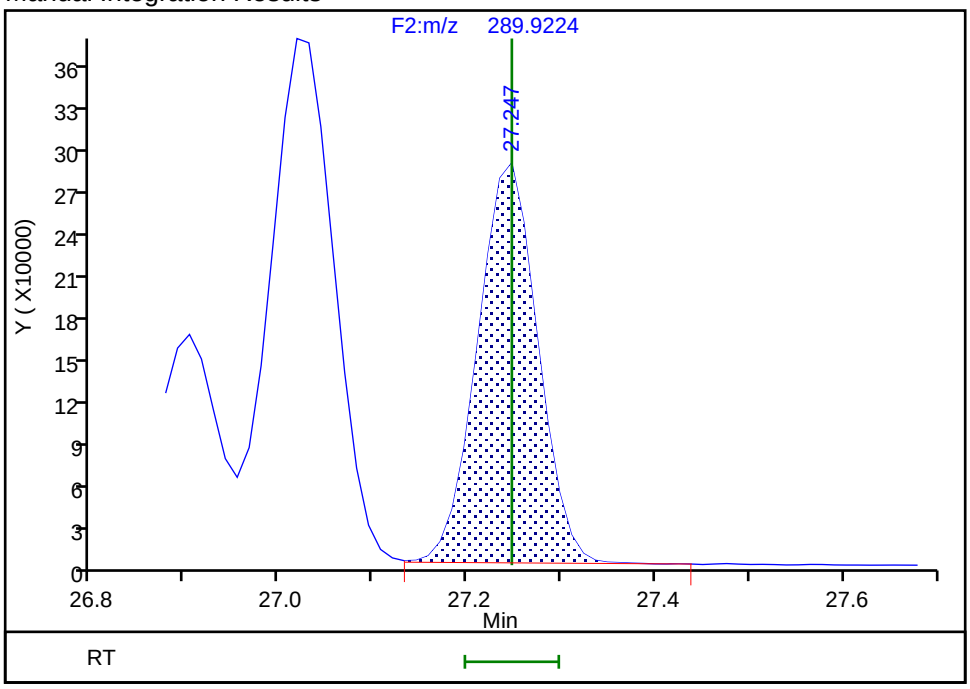
Processing Integration Results

RT: 27.25
Area: 1276649
Amount: 46.852015
Amount Units: pg/ul




Manual Integration Results

RT: 27.25
Area: 1276649
Amount: 47.177606
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:58:02
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

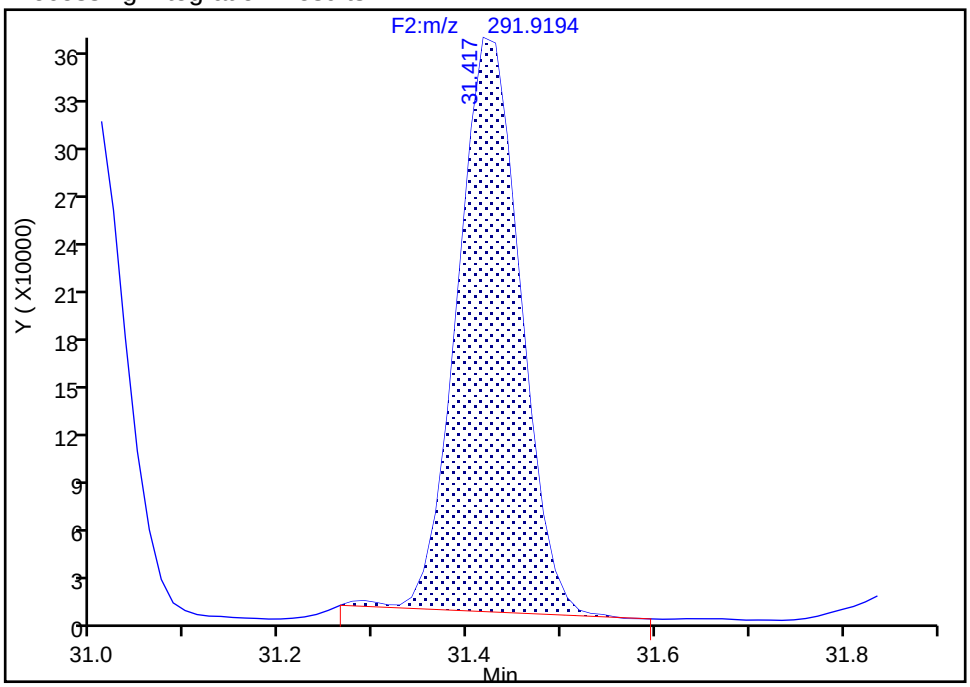
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-80, CAS: 33284-52-5

Signal: 2

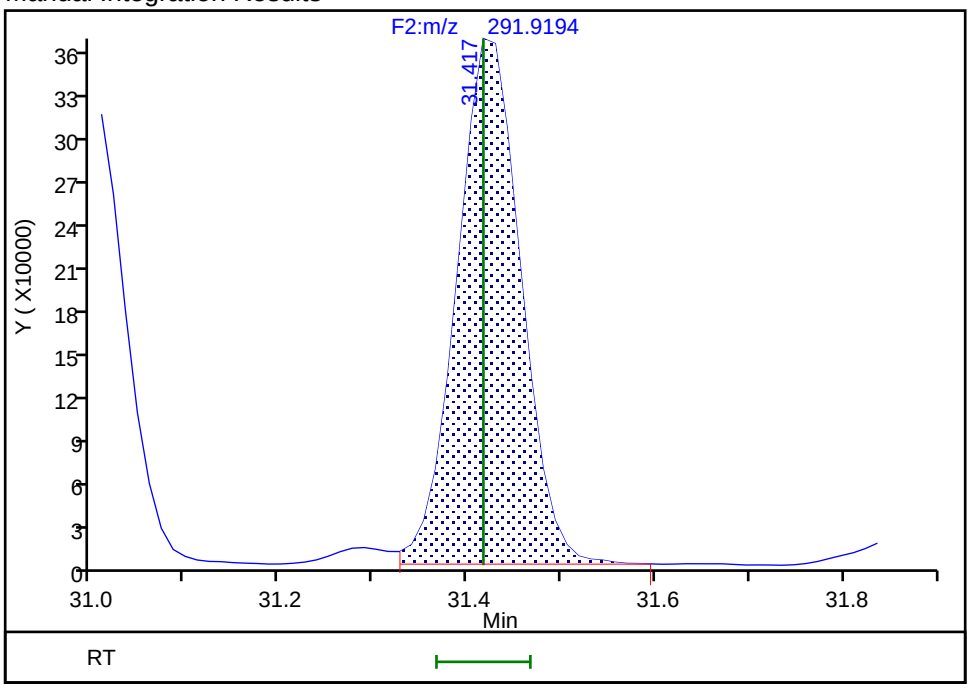
Processing Integration Results

RT: 31.42
Area: 1657489
Amount: 46.513602
Amount Units: pg/ul




Manual Integration Results

RT: 31.42
Area: 1706119
Amount: 46.911870
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:58:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

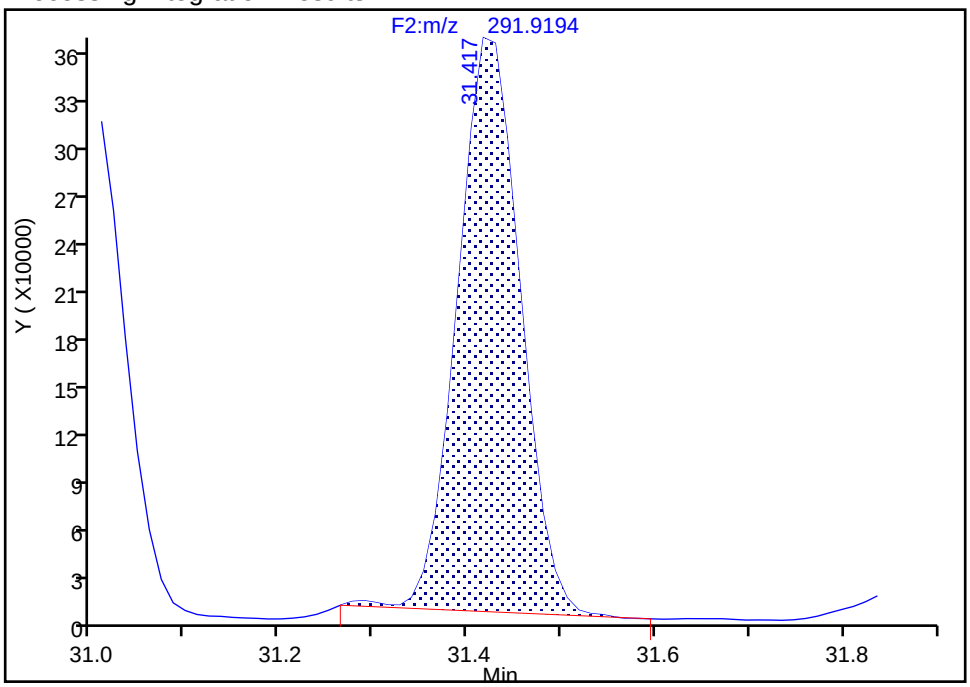
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-80, CAS: 33284-52-5

Signal: 3

Processing Integration Results

RT: 31.42
Area: 3013573
Amount: 46.513602
Amount Units: pg/ul




Manual Integration Results

RT: 31.42
Area: 3026713
Amount: 46.911870
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:58:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

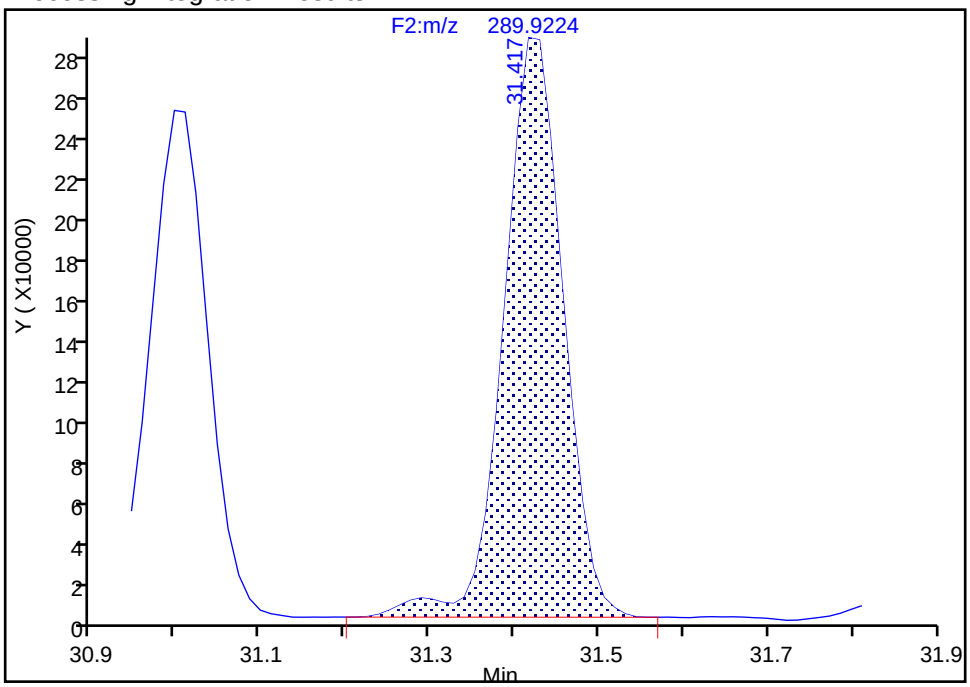
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-80, CAS: 33284-52-5

Signal: 1

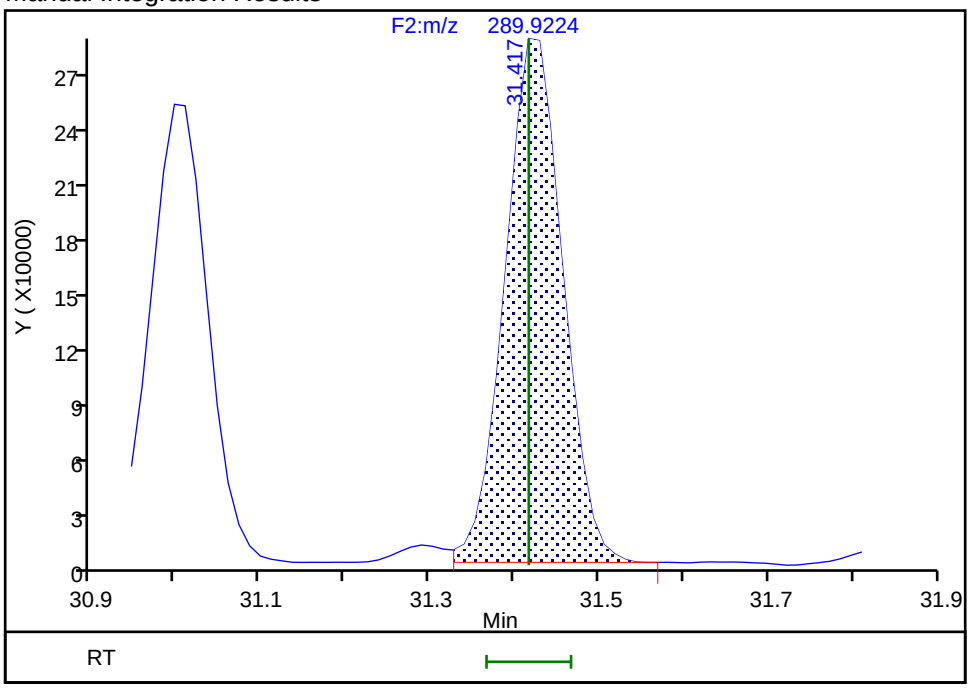
Processing Integration Results

RT: 31.42
Area: 1356084
Amount: 46.513602
Amount Units: pg/ul




Manual Integration Results

RT: 31.42
Area: 1320594
Amount: 46.911870
Amount Units: pg/ul

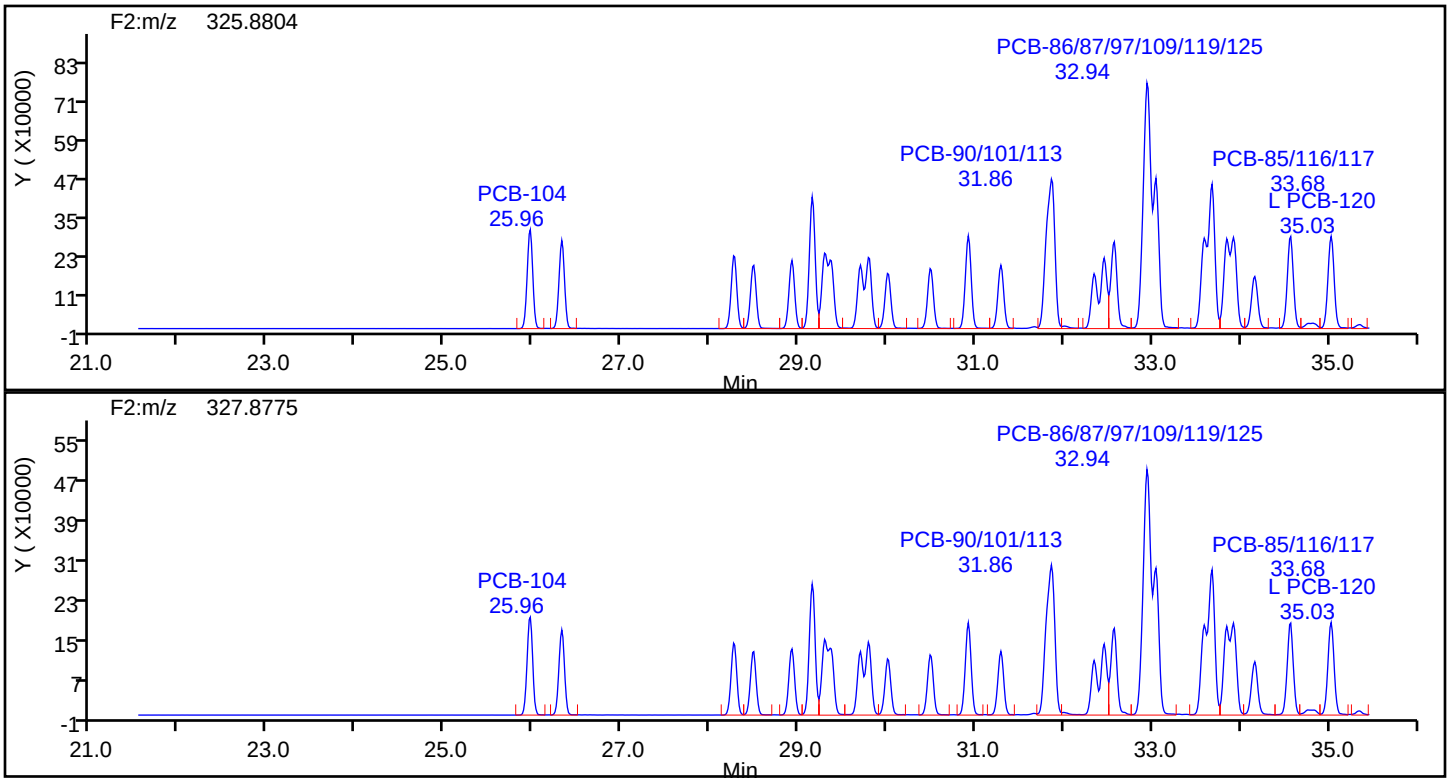



Reviewer: mcwhirterl, 21-Aug-2019 20:58:45
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

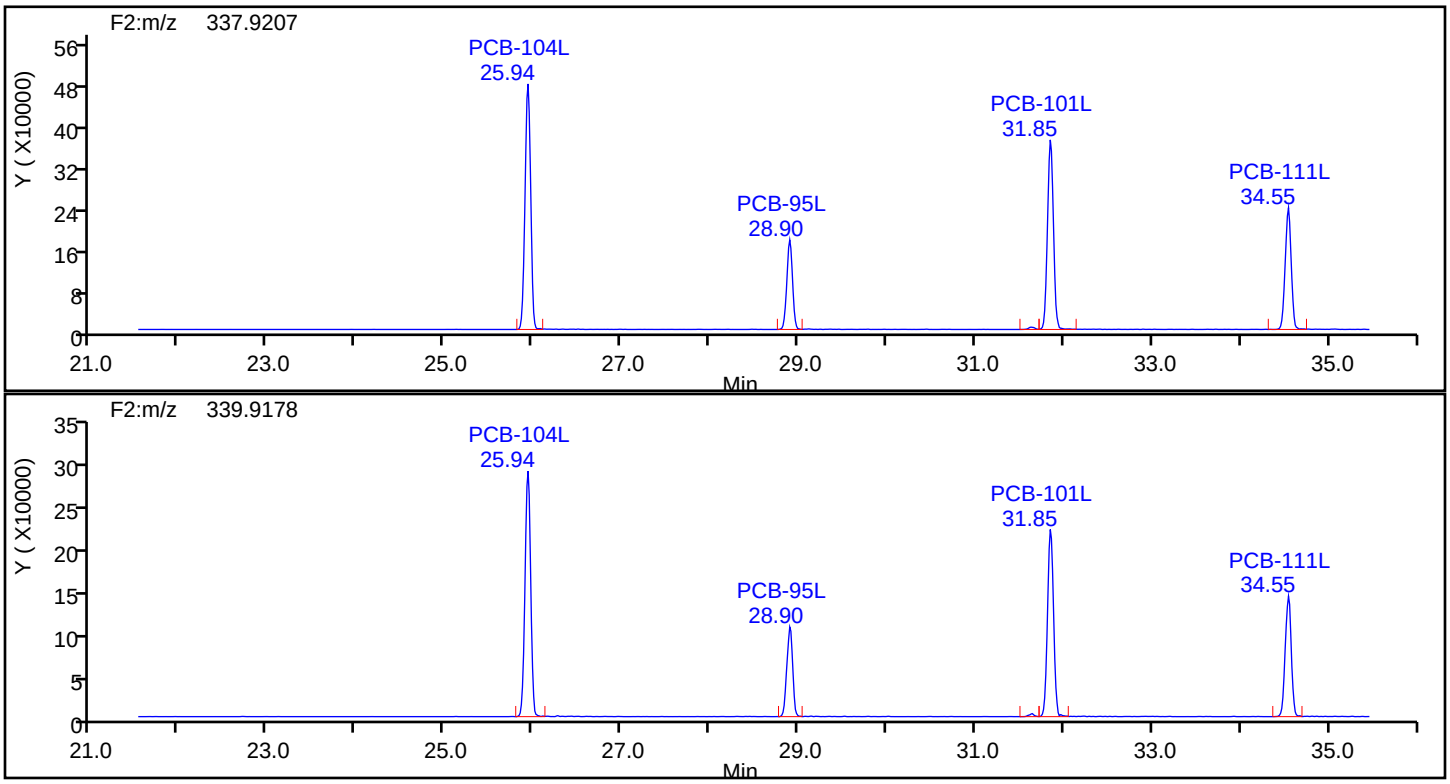
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



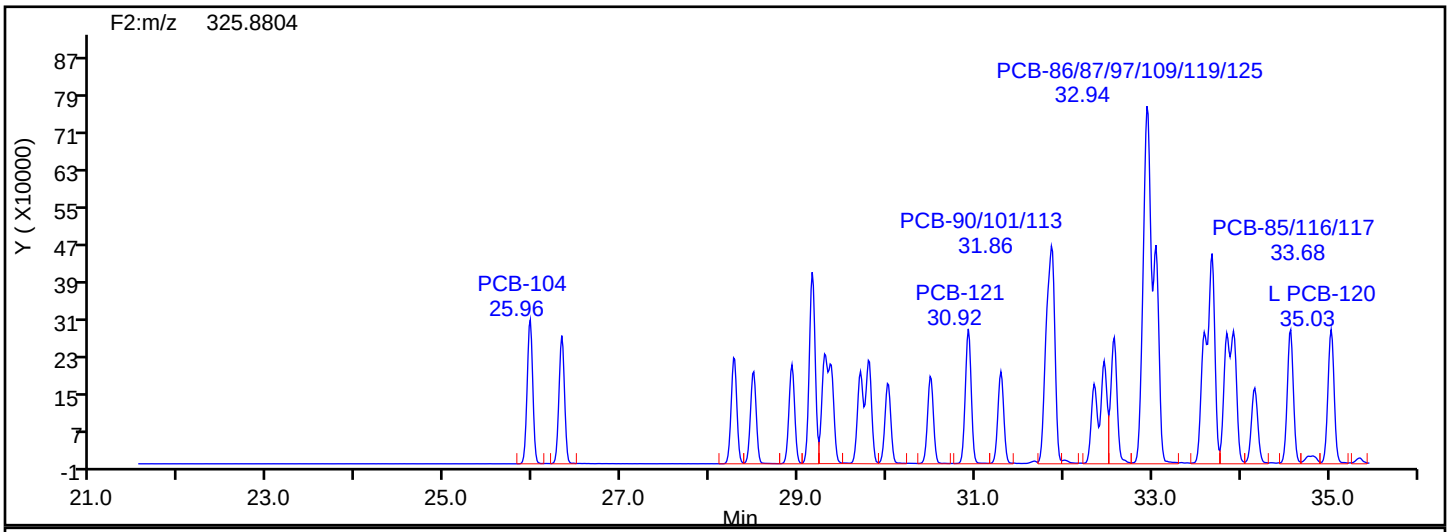

PePCB F2 Standards

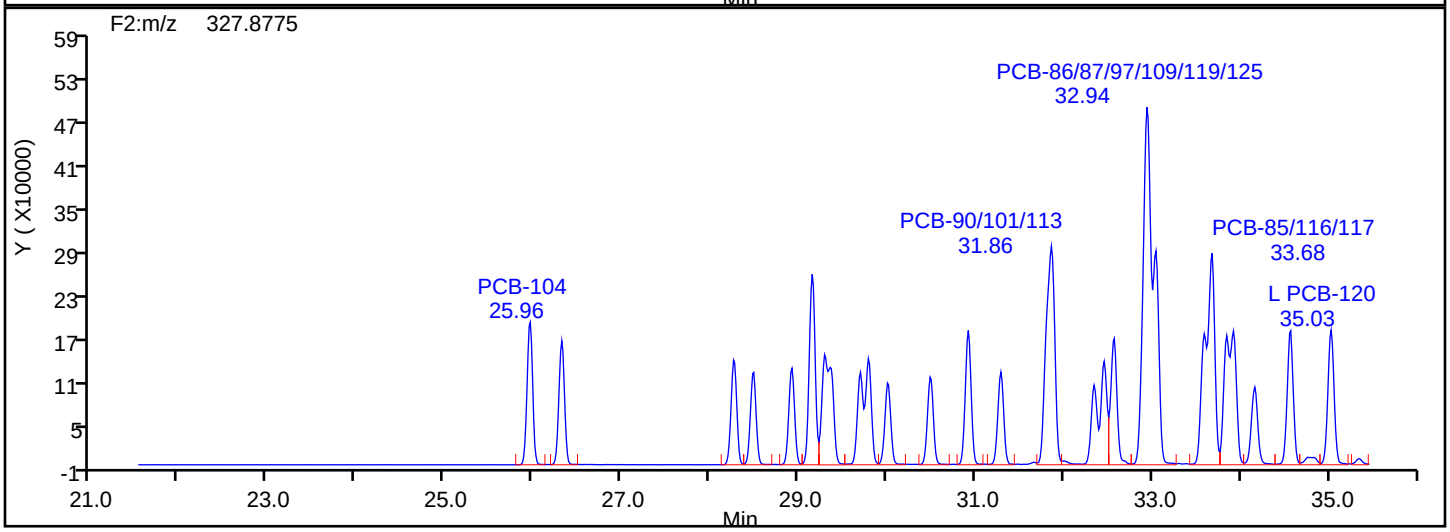


Eurofins TestAmerica, Knoxville

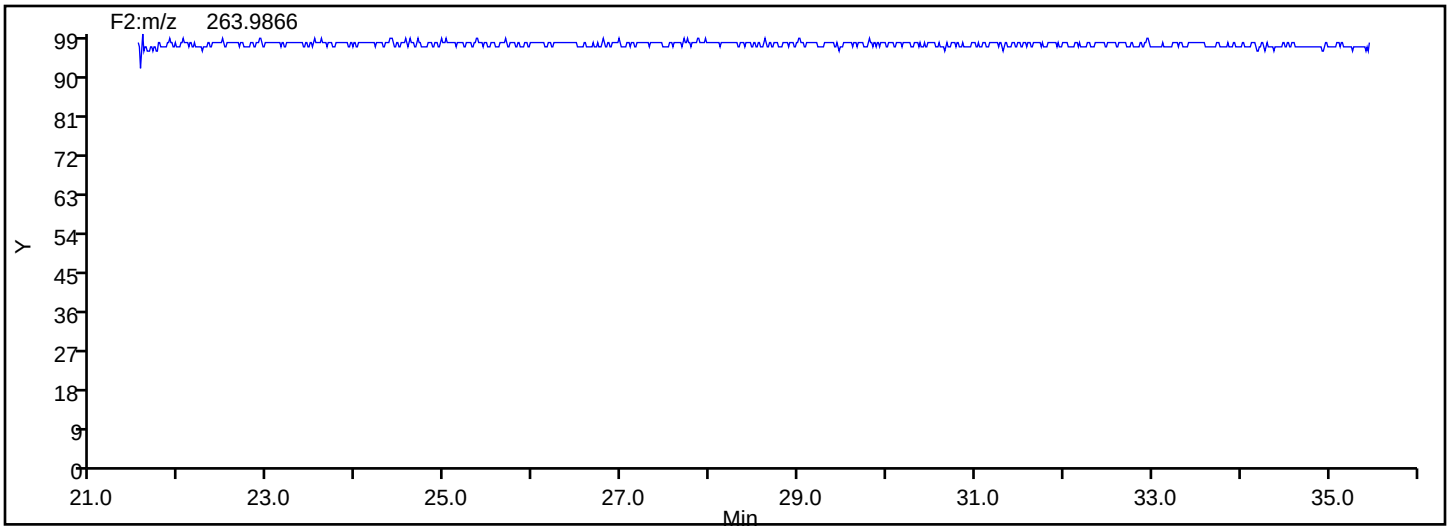
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

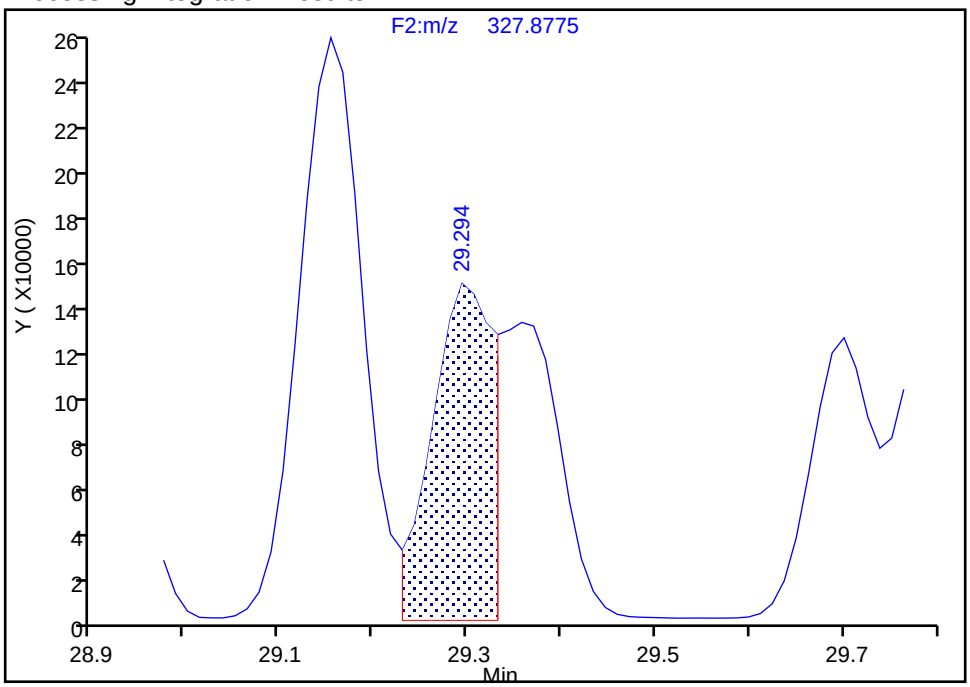
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 2

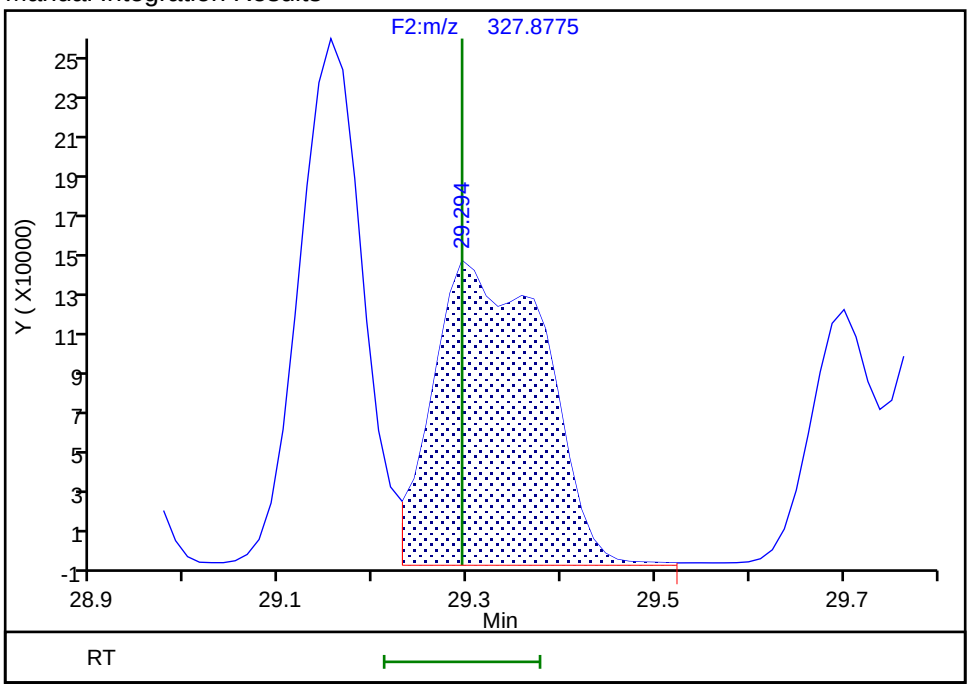
Processing Integration Results

RT: 29.29
Area: 647895
Amount: 58.055749
Amount Units: pg/ul




Manual Integration Results

RT: 29.29
Area: 1232186
Amount: 93.845361
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:59:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

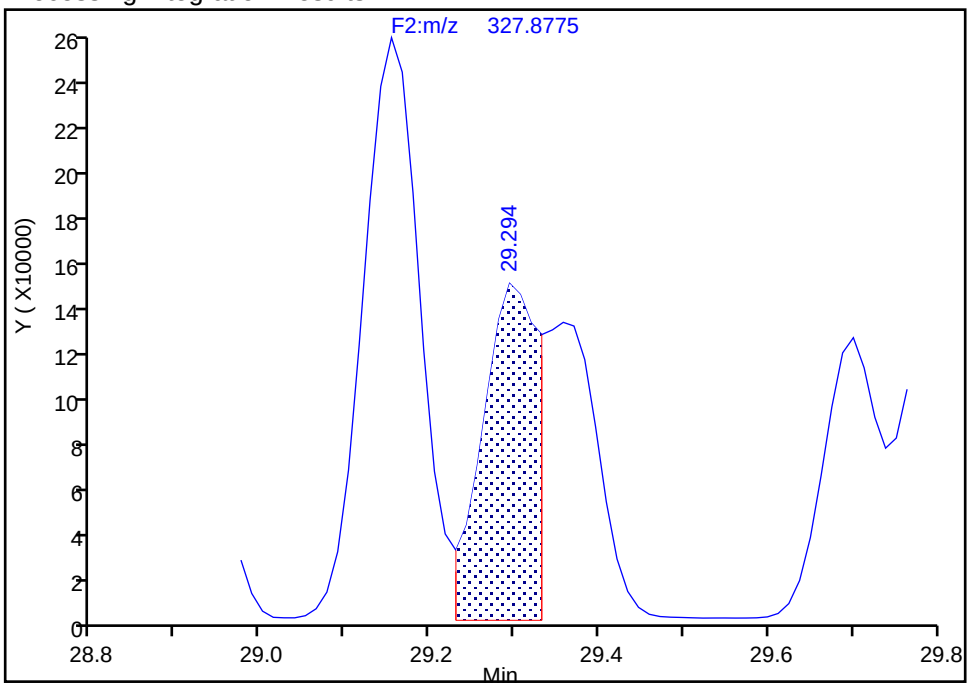
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 3

Processing Integration Results

RT: 29.29
Area: 1672978
Amount: 58.055749
Amount Units: pg/ul




Manual Integration Results

RT: 29.29
Area: 3174177
Amount: 93.845361
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 20:59:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

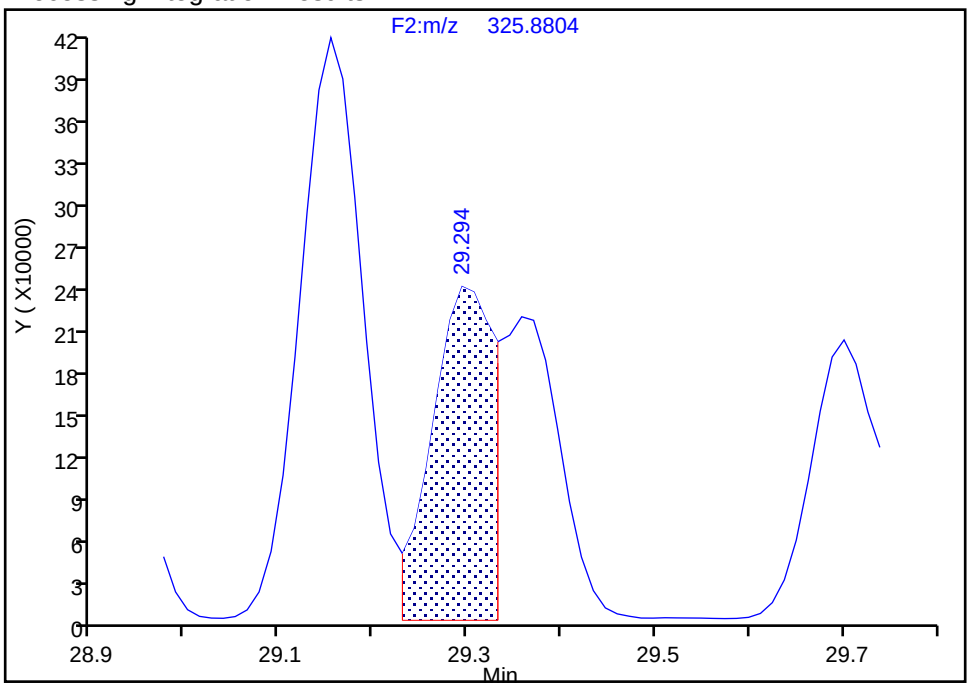
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 1

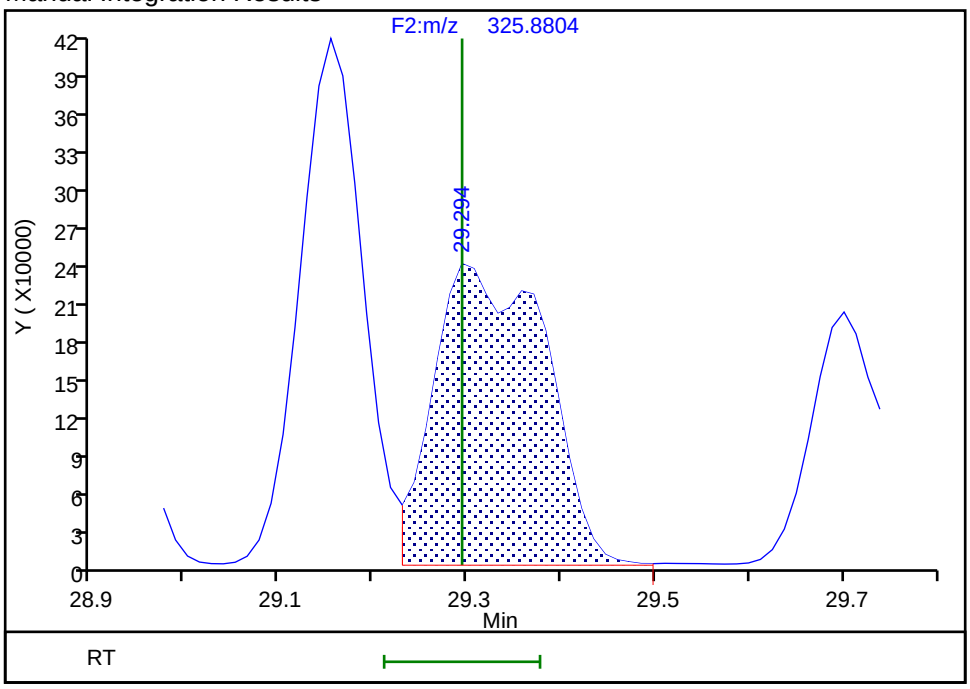
Processing Integration Results

RT: 29.29
Area: 1025083
Amount: 58.055749
Amount Units: pg/ul




Manual Integration Results

RT: 29.29
Area: 1941991
Amount: 93.845361
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:59:33

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

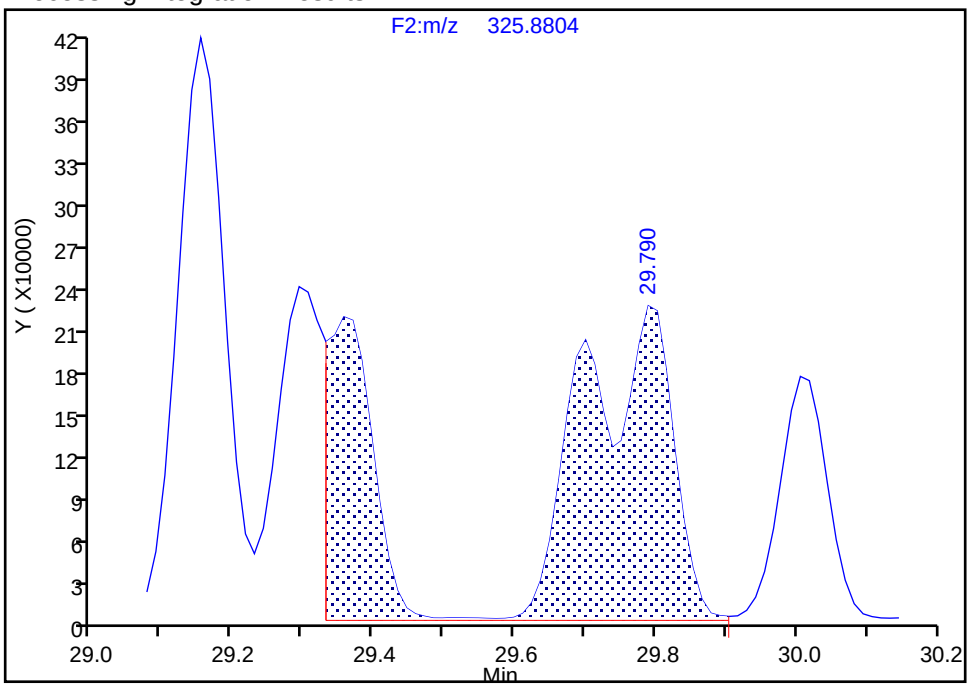
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 1

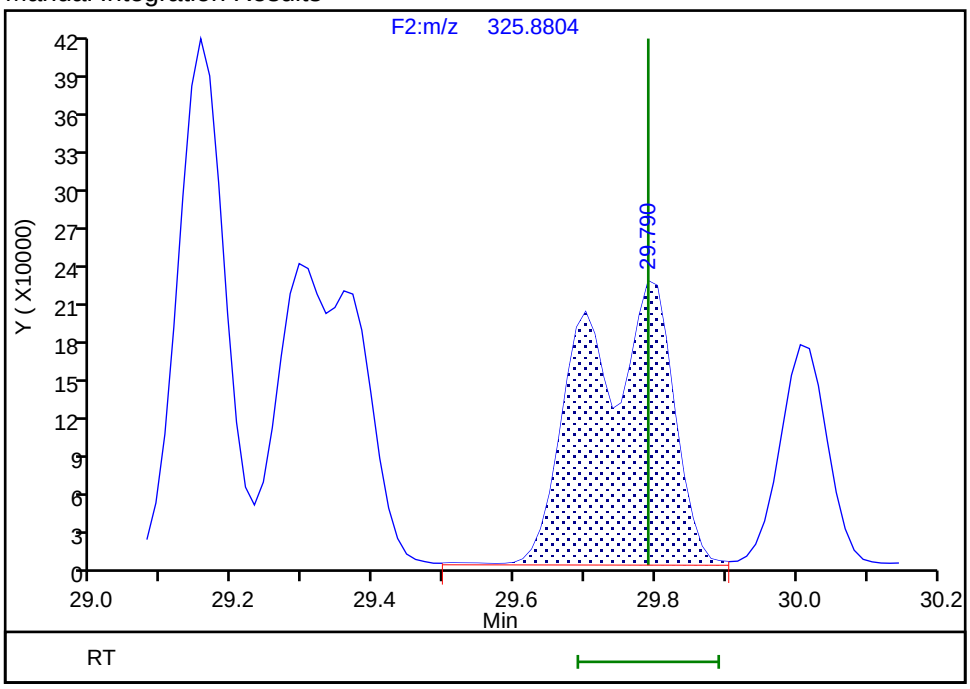
Processing Integration Results

RT: 29.79
Area: 2856722
Amount: 110.8124
Amount Units: pg/ul




Manual Integration Results

RT: 29.79
Area: 1929855
Amount: 91.568276
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 20:59:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

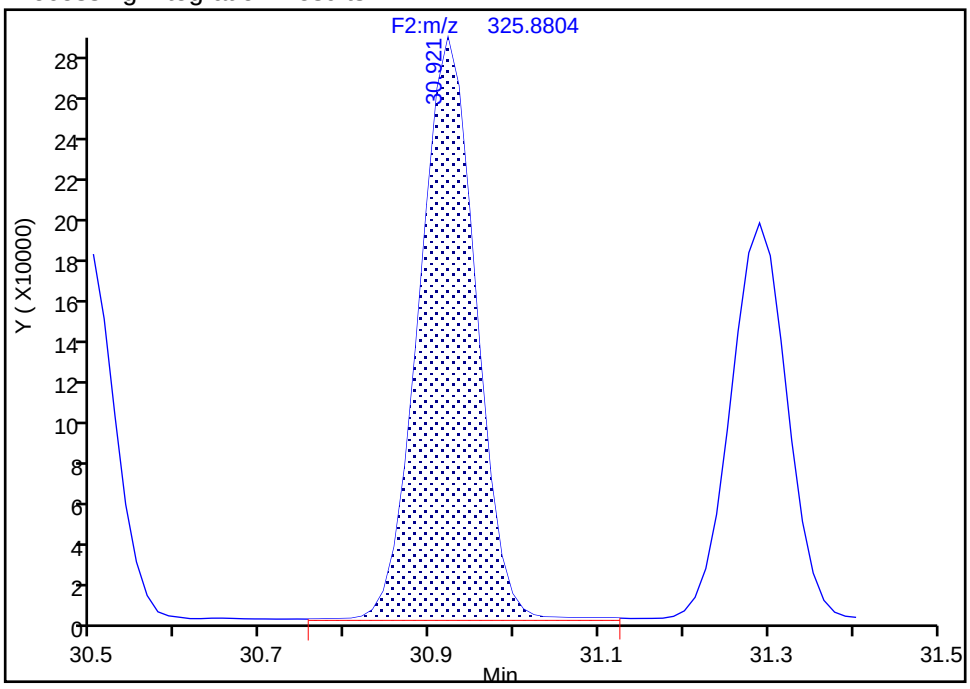
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-121, CAS: 56558-18-0

Signal: 1

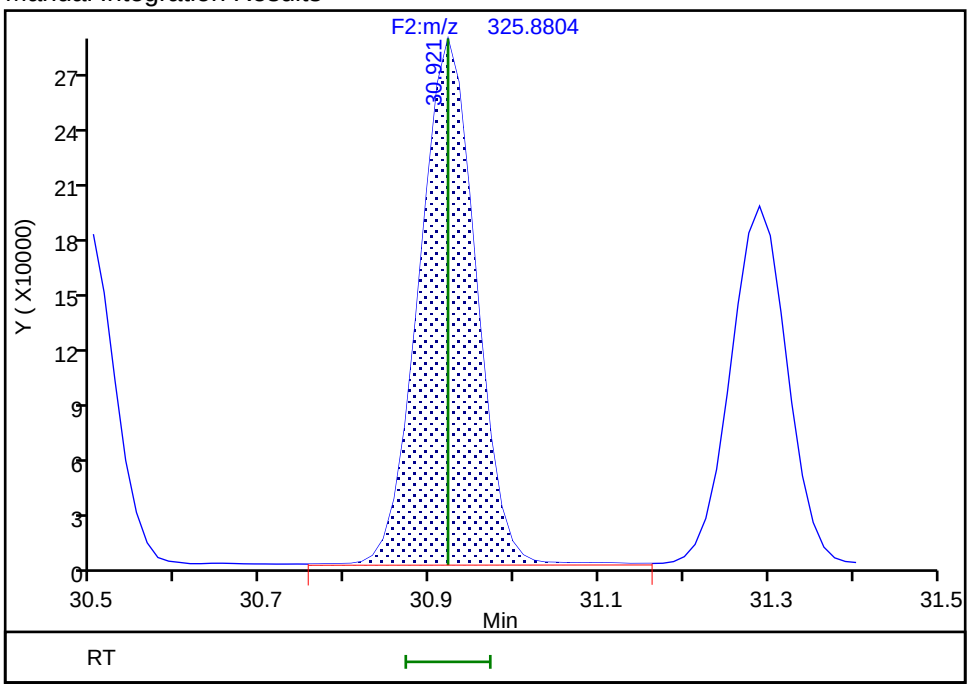
Processing Integration Results

RT: 30.92
Area: 1348392
Amount: 45.782666
Amount Units: pg/ul




Manual Integration Results

RT: 30.92
Area: 1348684
Amount: 45.867995
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:00:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

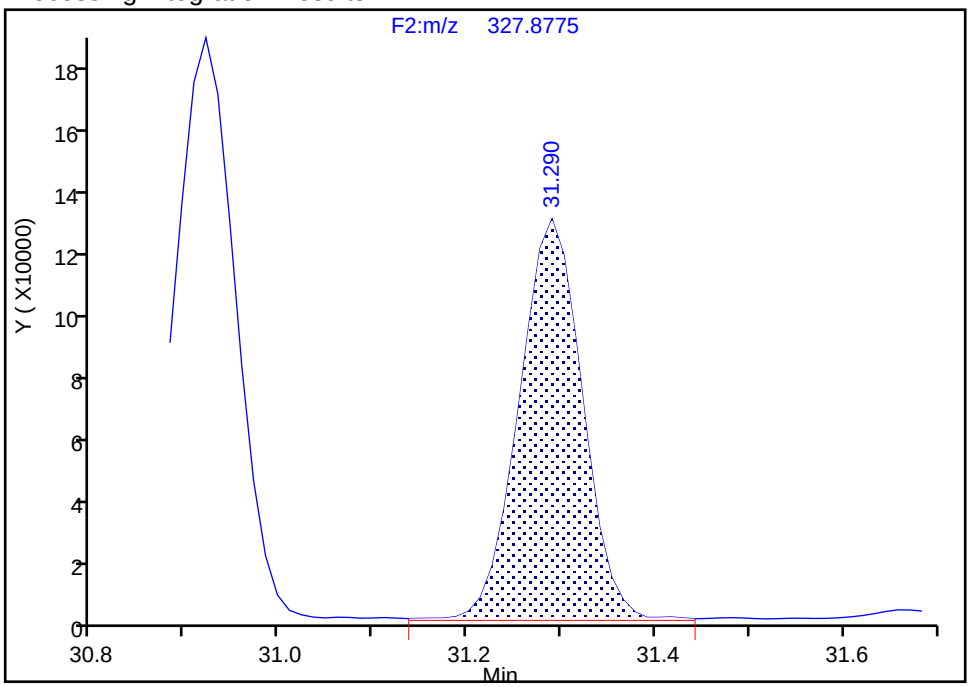
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-92, CAS: 52663-61-3

Signal: 2

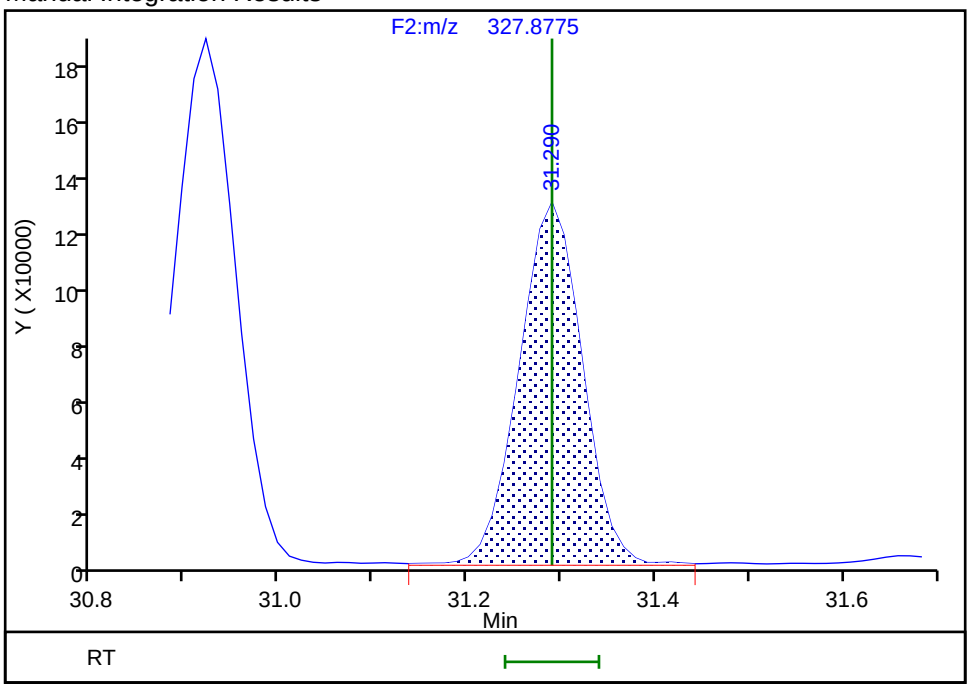
Processing Integration Results

RT: 31.29
Area: 589001
Amount: 34.005464
Amount Units: pg/ul




Manual Integration Results

RT: 31.29
Area: 589001
Amount: 46.464654
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:00:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

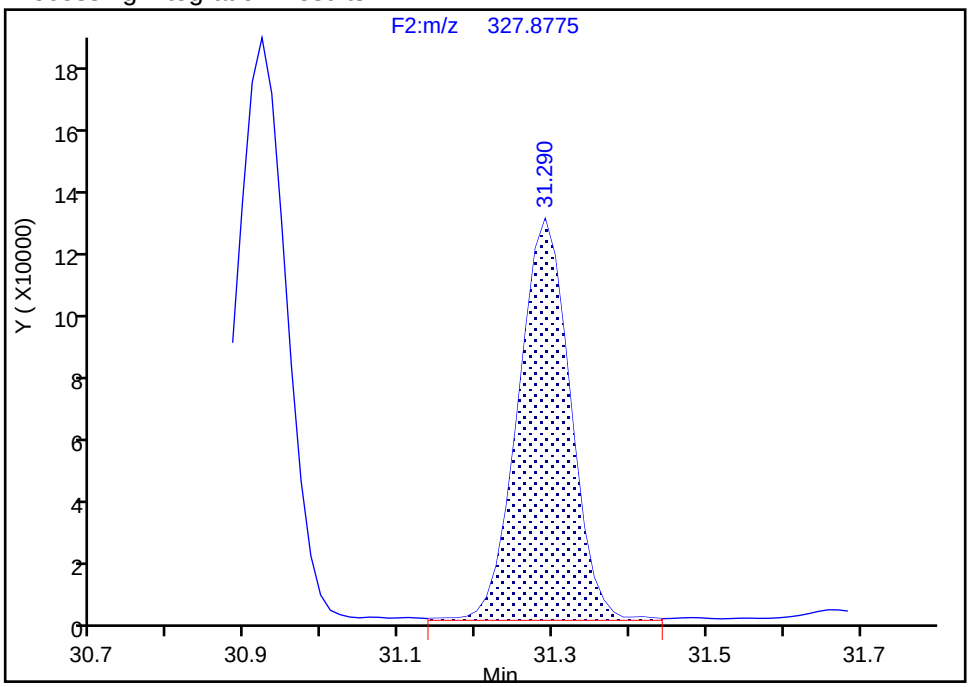
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 3

Processing Integration Results

RT: 31.28
Area: 1061251
Amount: 34.005464
Amount Units: pg/ul




Manual Integration Results

RT: 31.29
Area: 1515004
Amount: 46.464654
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 21:00:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

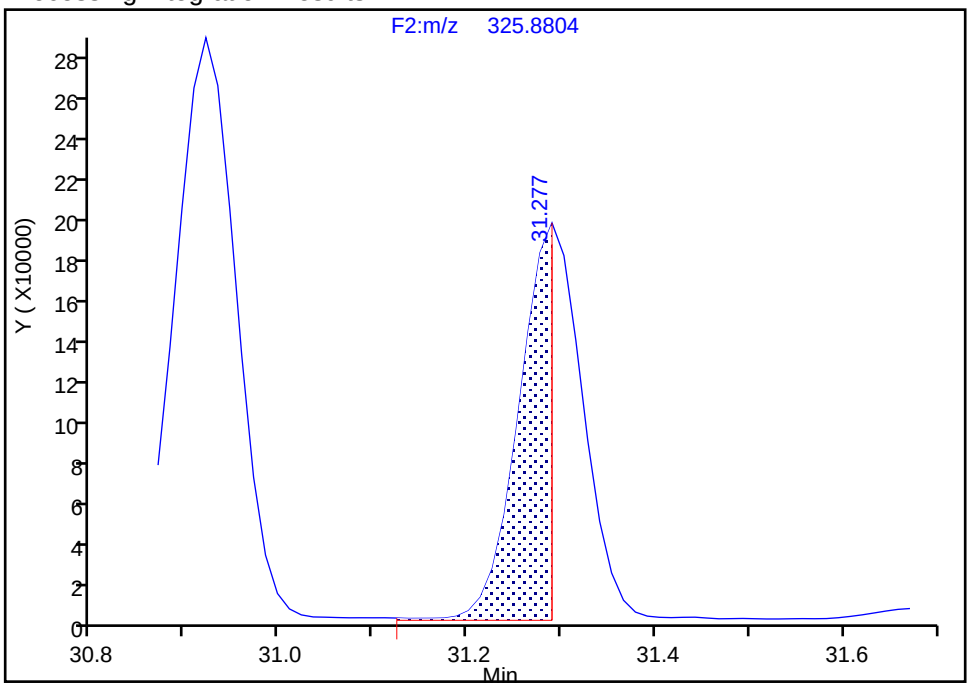
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-92, CAS: 52663-61-3

Signal: 1

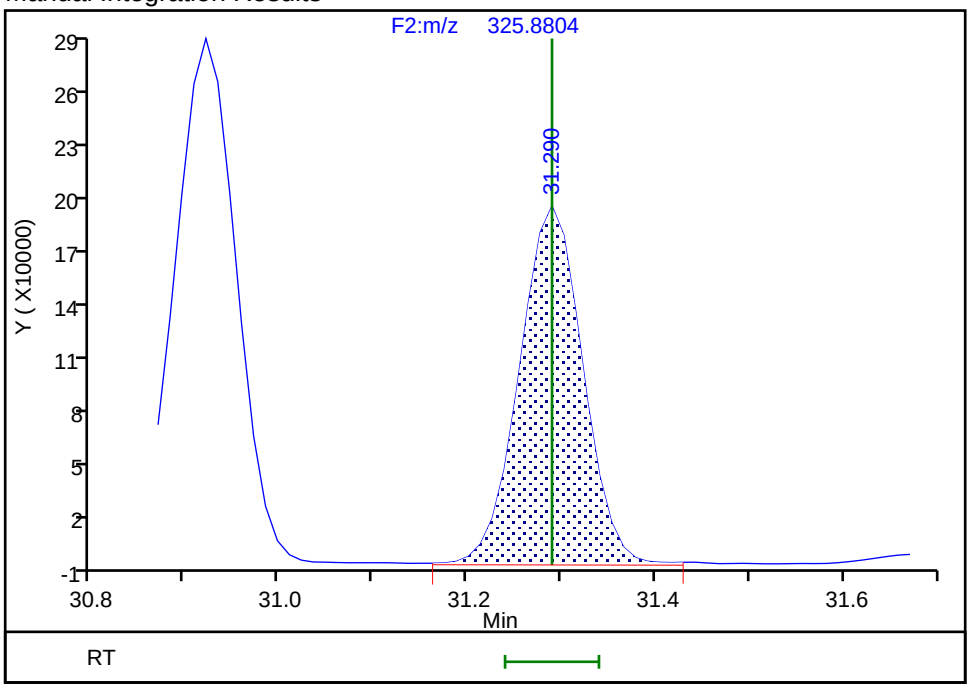
Processing Integration Results

RT: 31.28
Area: 472250
Amount: 34.005464
Amount Units: pg/ul




Manual Integration Results

RT: 31.29
Area: 926003
Amount: 46.464654
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:00:08

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

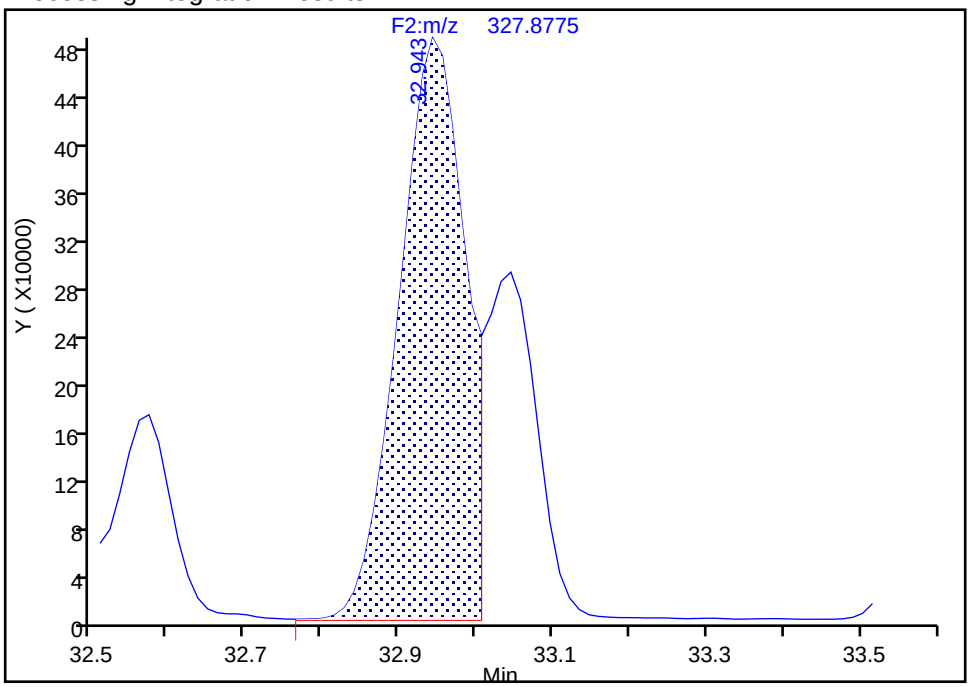
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

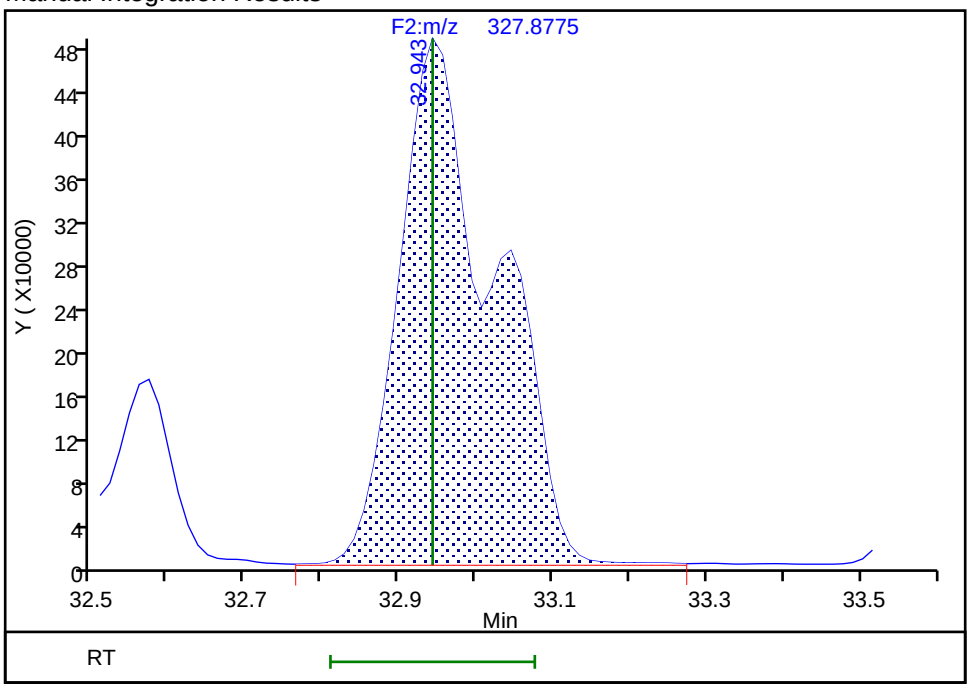
Processing Integration Results

RT: 32.94
Area: 2878998
Amount: 204.8691
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 4209321
Amount: 266.0079
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:00:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

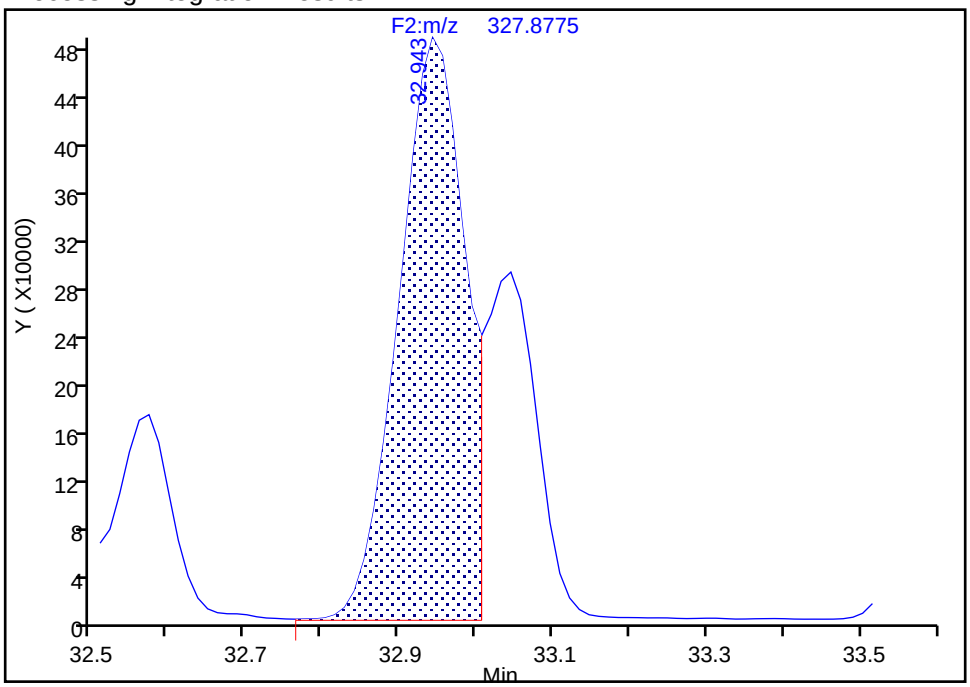
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.94
Area: 7421654
Amount: 204.8691
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 10880499
Amount: 266.0079
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 21:00:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

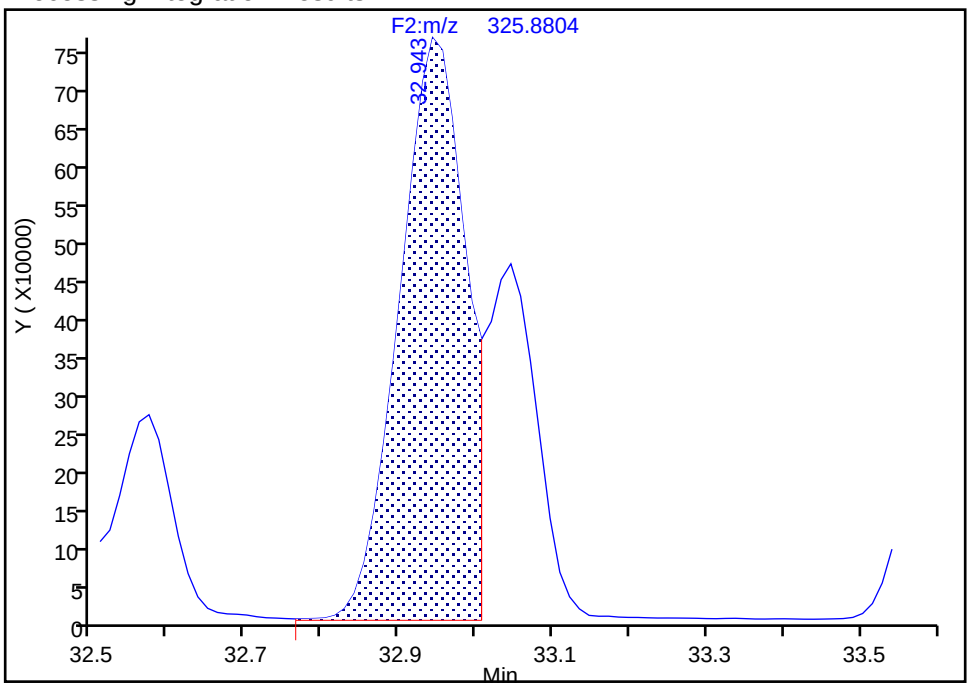
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

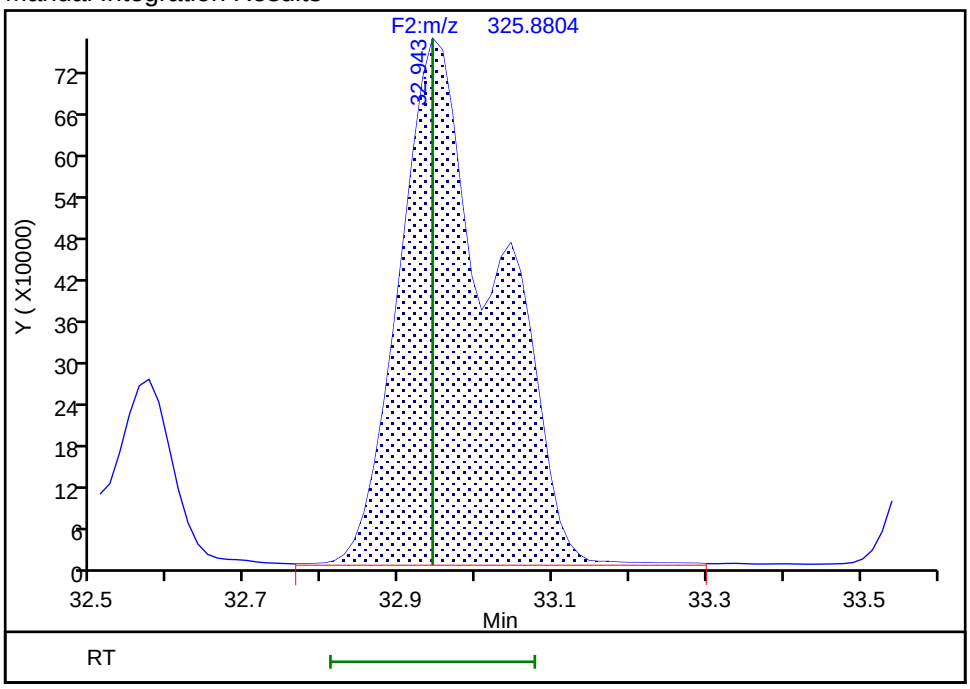
Processing Integration Results

RT: 32.94
Area: 4542656
Amount: 204.8691
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 6671178
Amount: 266.0079
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:00:51

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

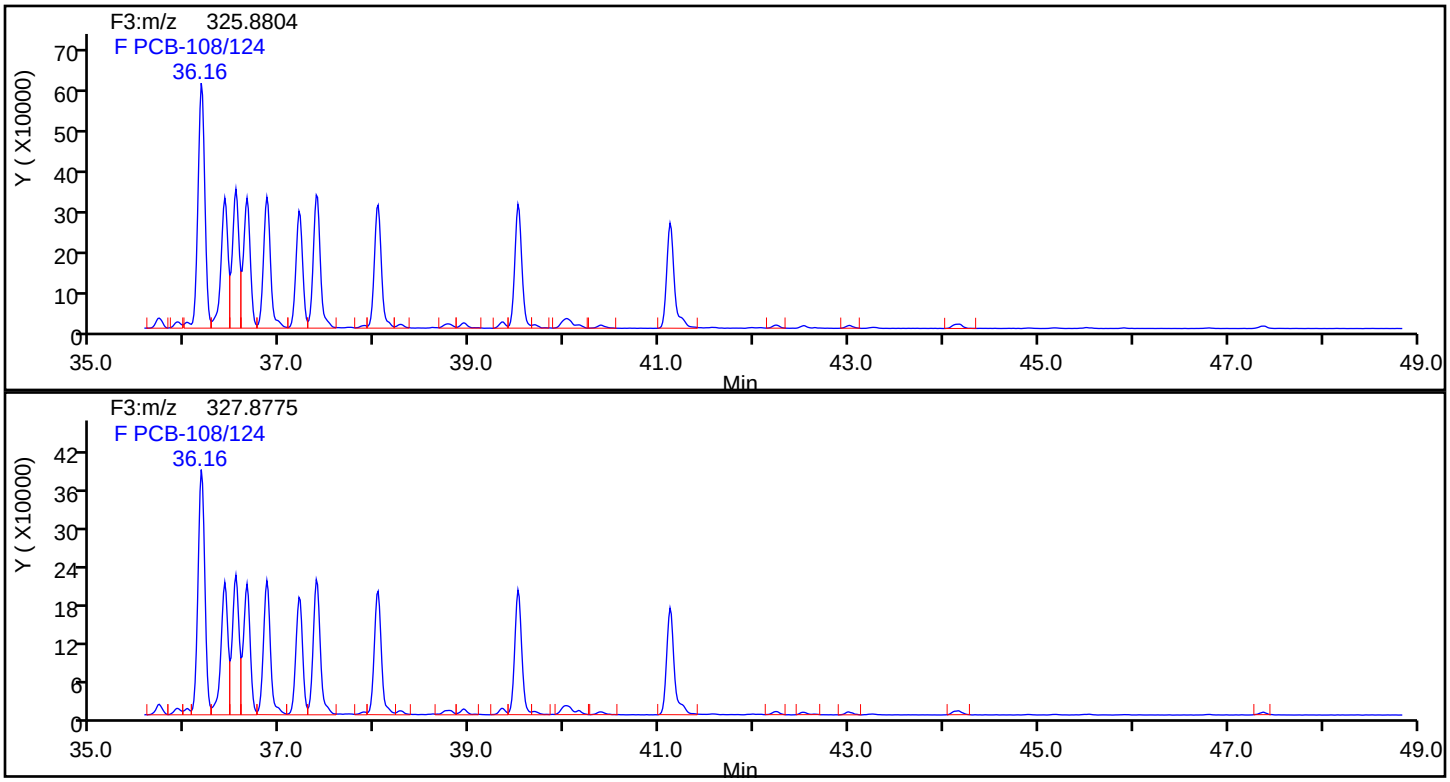
Report Date: 30-Aug-2019 11:37:43 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

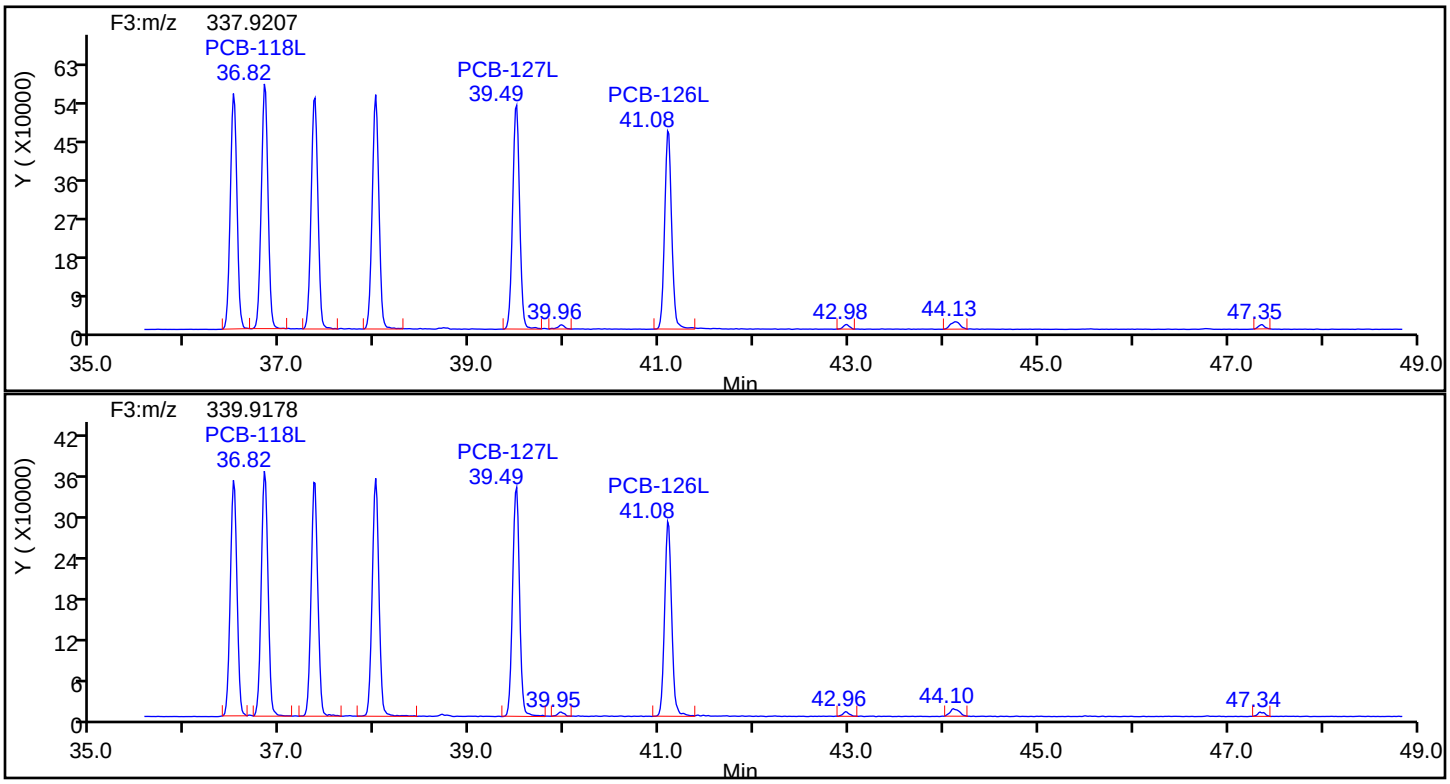
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d

| | | | |
|---|---|---|---|
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



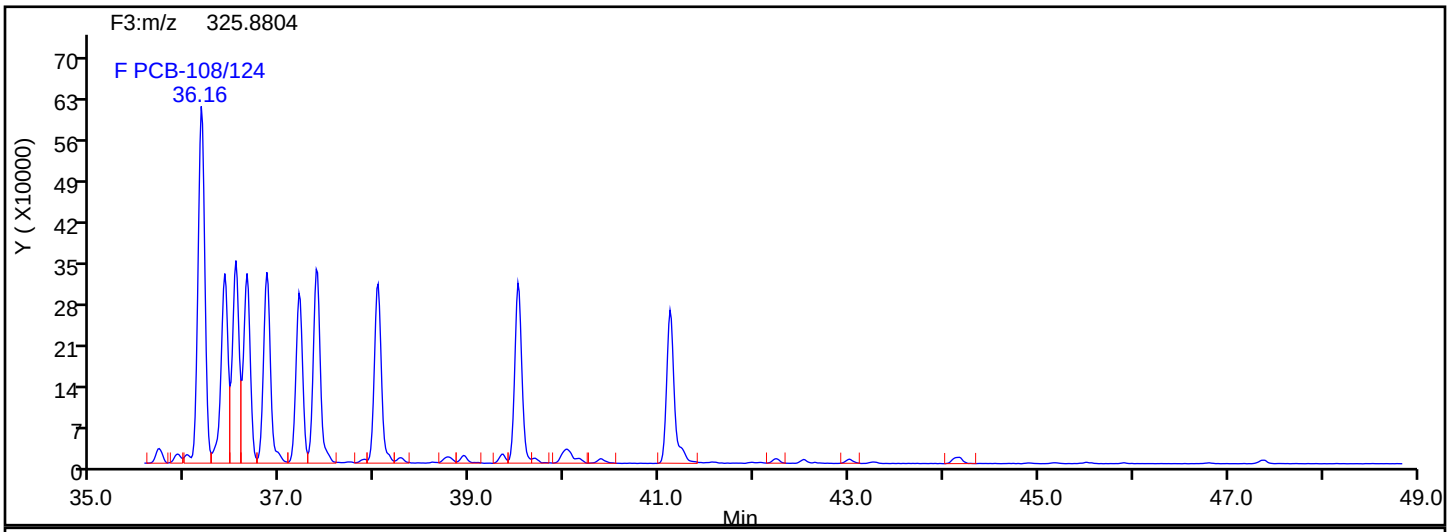

PePCB F3 Standards

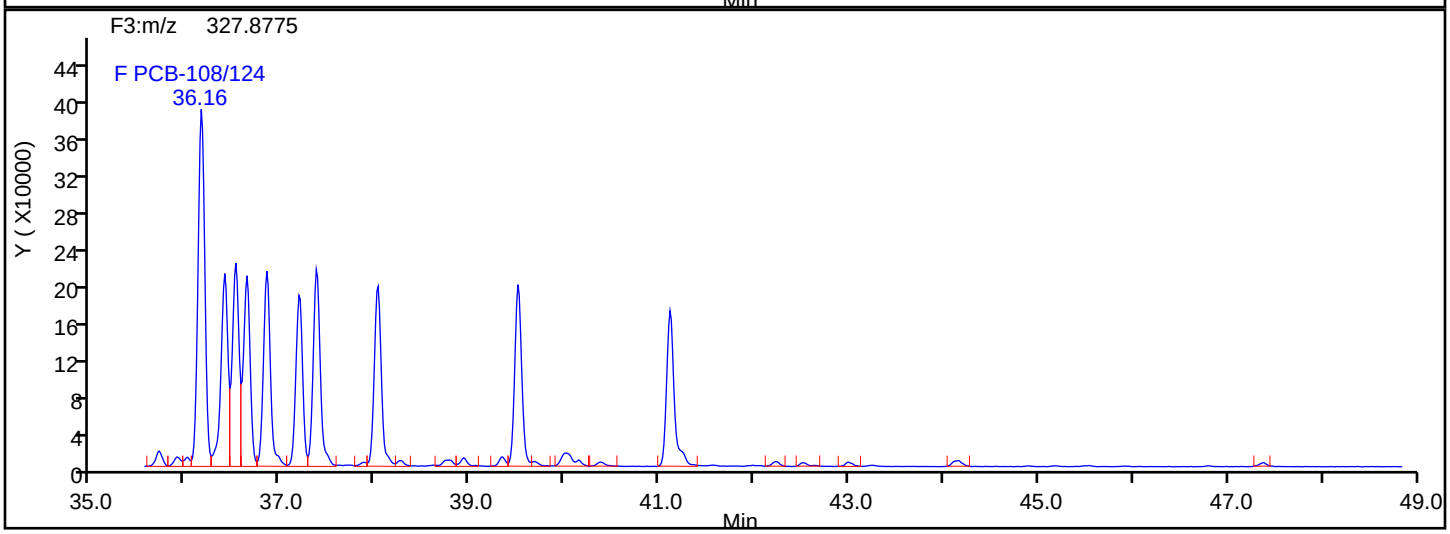


Eurofins TestAmerica, Knoxville

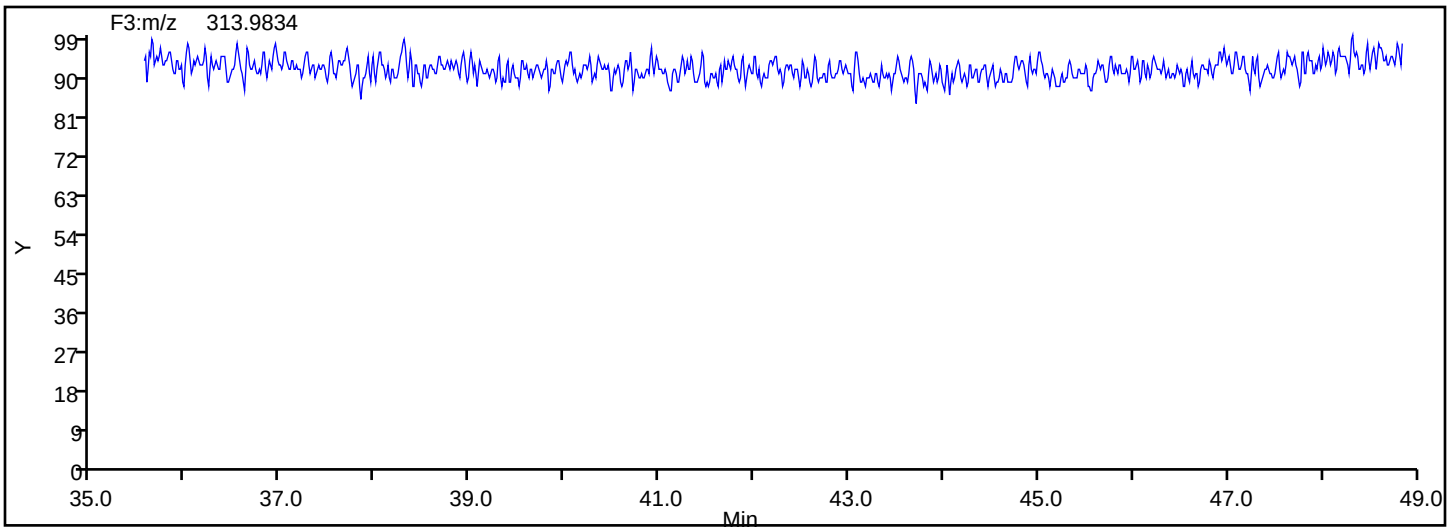
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

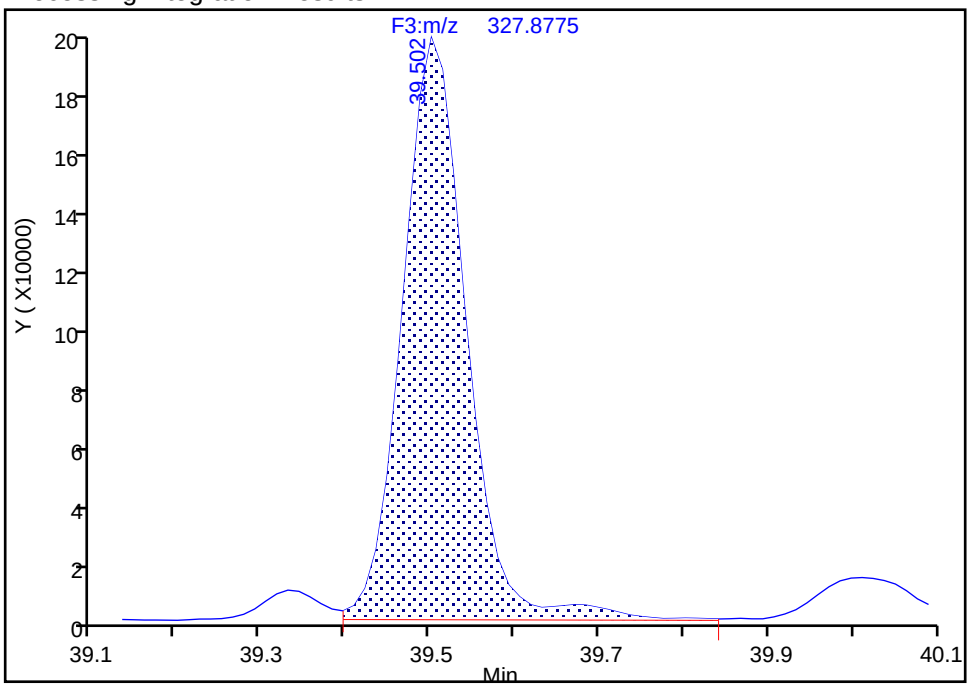
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-127, CAS: 39635-33-1

Signal: 2

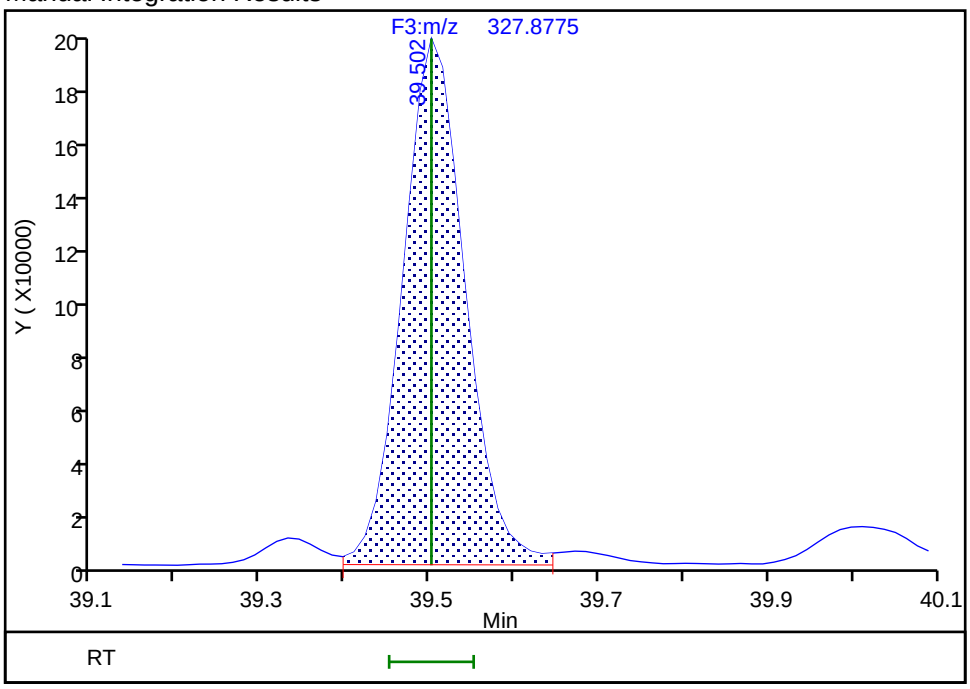
Processing Integration Results

RT: 39.50
Area: 1032810
Amount: 47.074845
Amount Units: pg/ul




Manual Integration Results

RT: 39.50
Area: 1005458
Amount: 46.403109
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:01:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

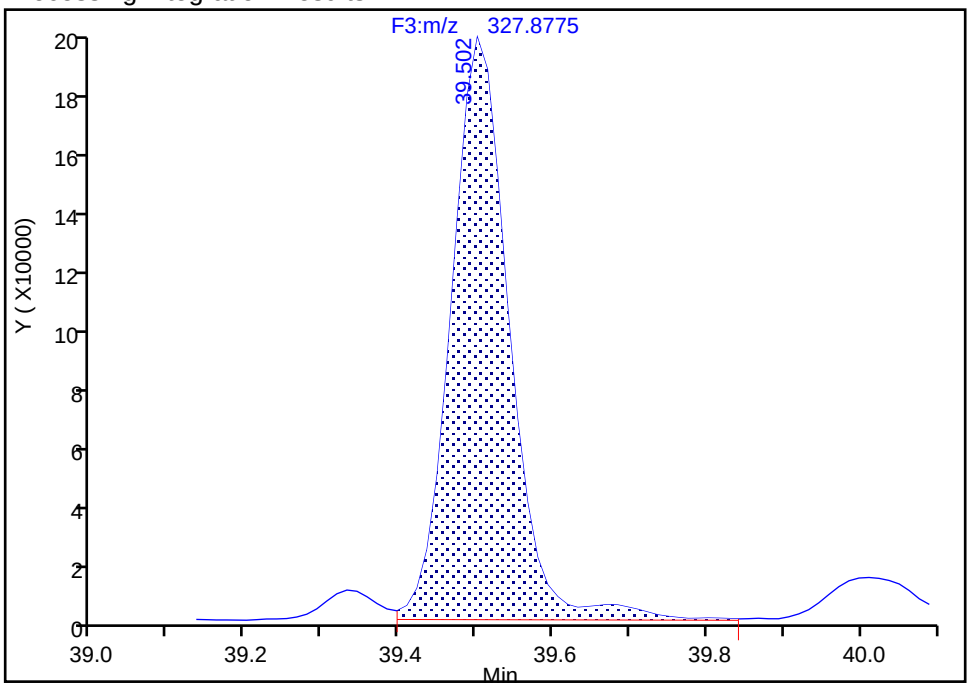
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-127, CAS: 39635-33-1

Signal: 3

Processing Integration Results

RT: 39.50
Area: 2667952
Amount: 47.074845
Amount Units: pg/ul




Manual Integration Results

RT: 39.50
Area: 2600695
Amount: 46.403109
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 21:01:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

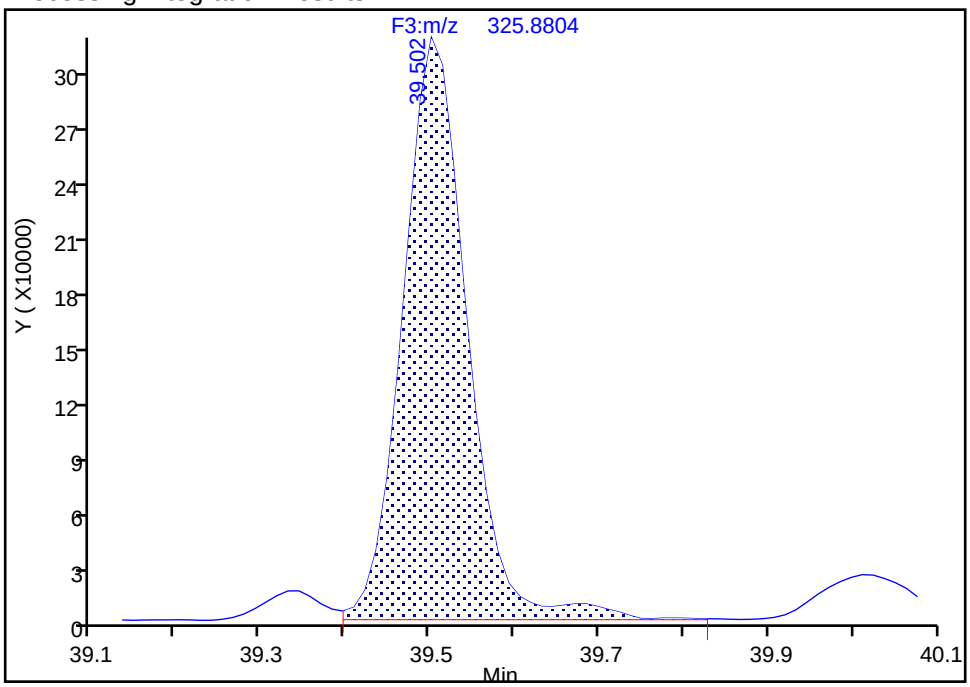
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-127, CAS: 39635-33-1

Signal: 1

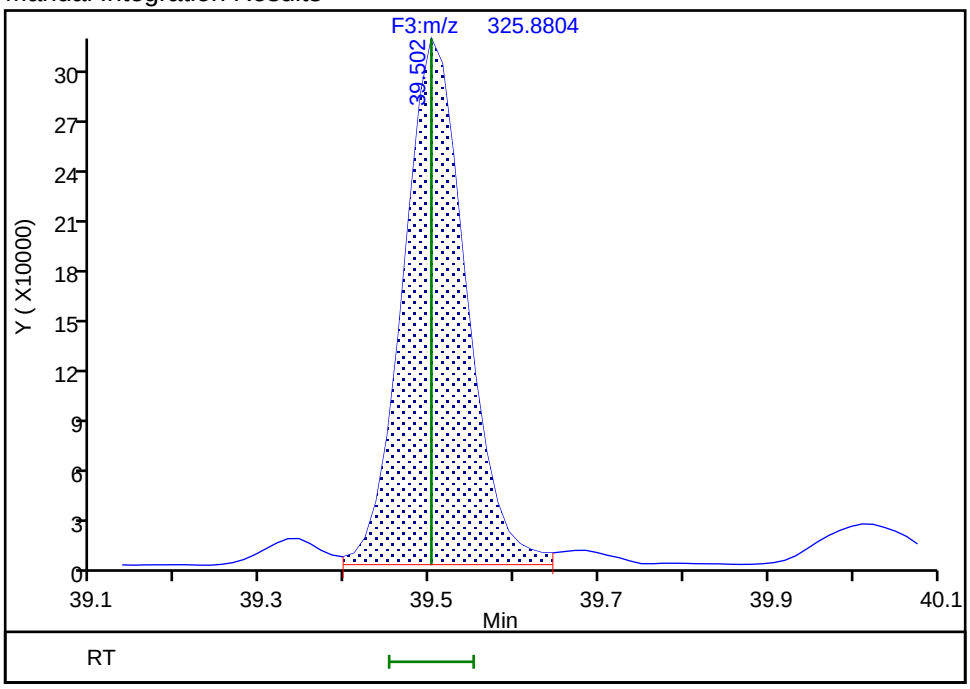
Processing Integration Results

RT: 39.50
Area: 1635142
Amount: 47.074845
Amount Units: pg/ul




Manual Integration Results

RT: 39.50
Area: 1595237
Amount: 46.403109
Amount Units: pg/ul

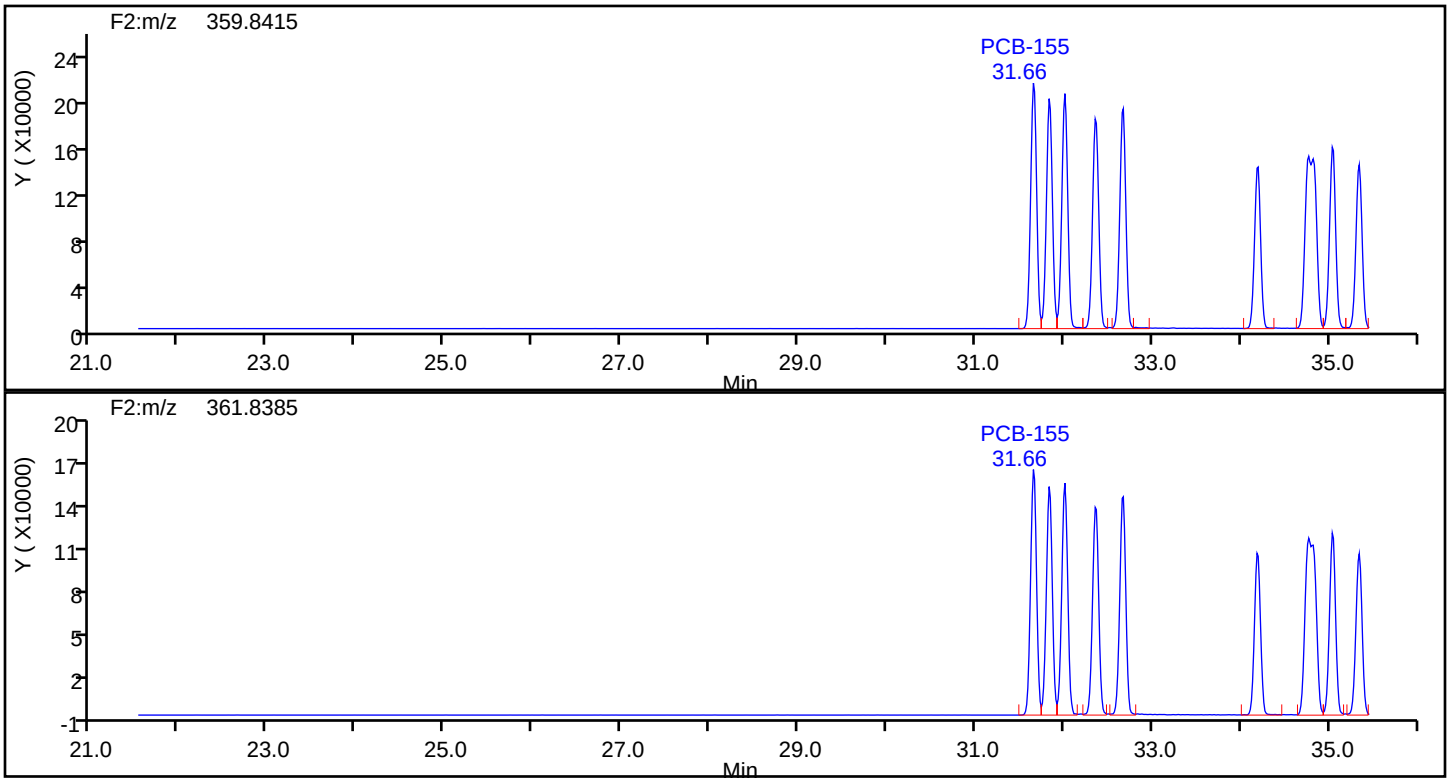



Reviewer: mcwhirterl, 21-Aug-2019 21:01:28
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

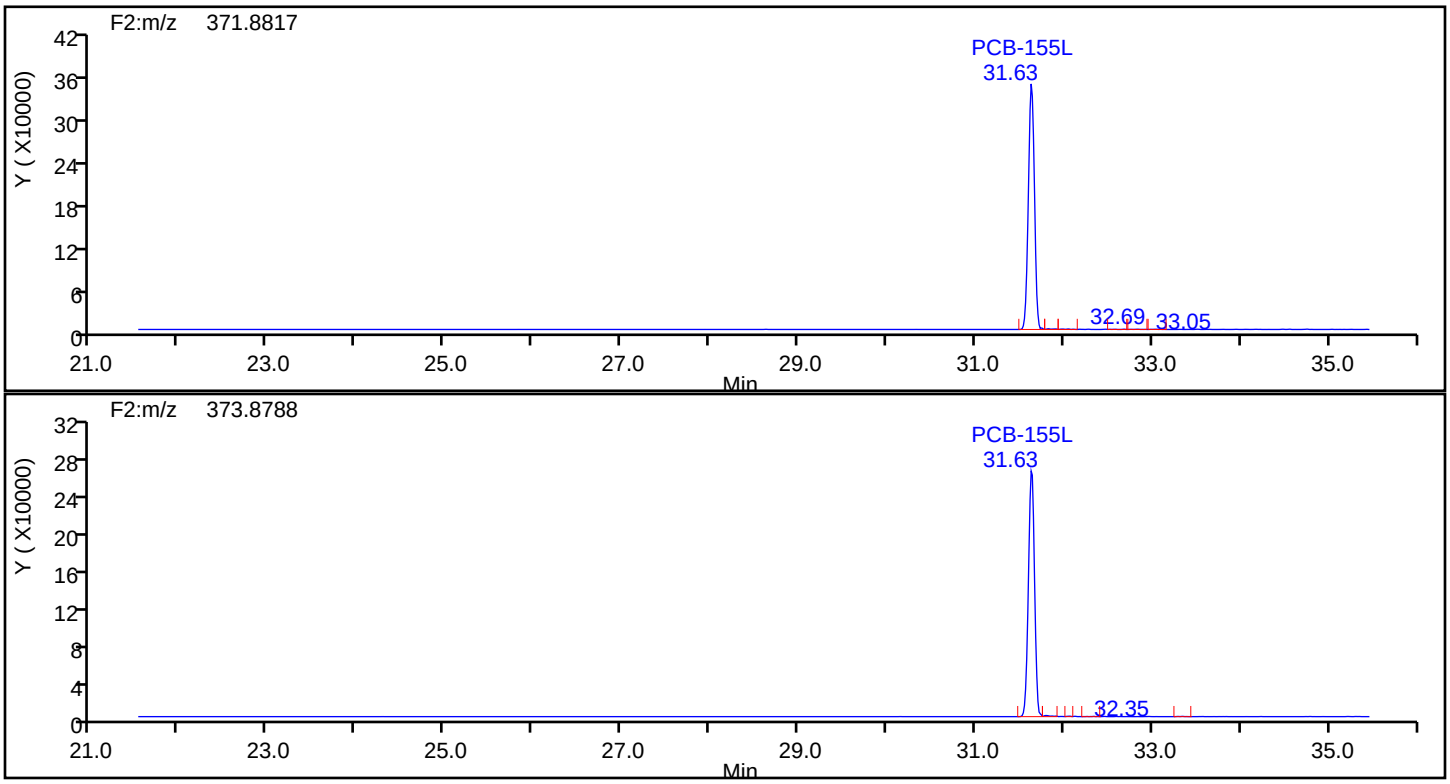
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



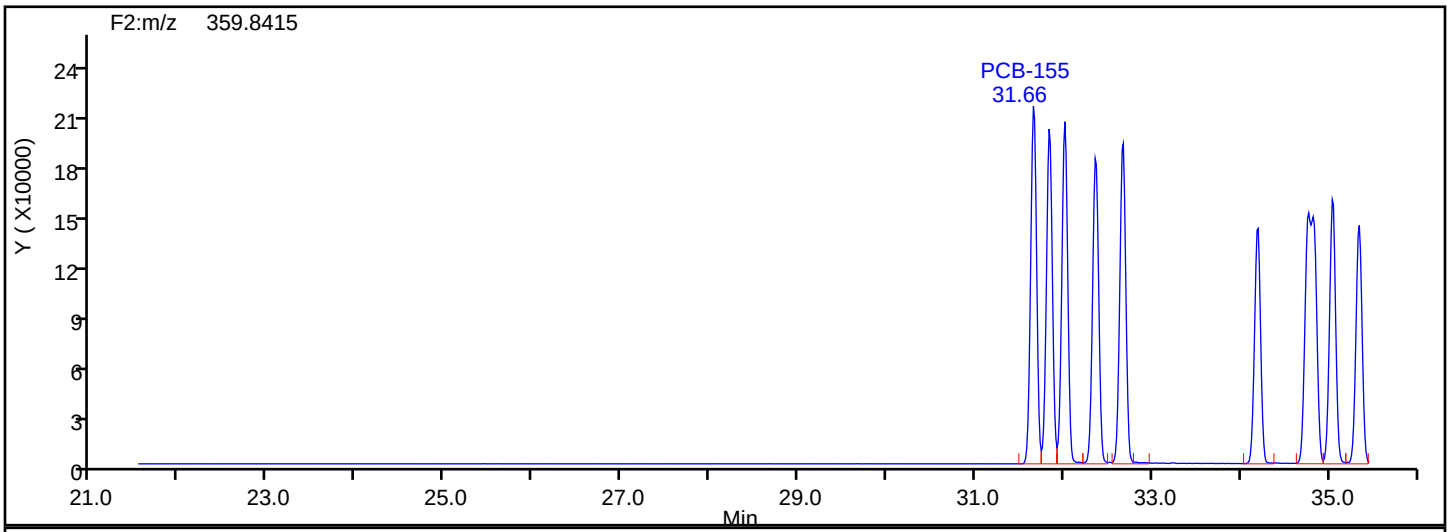

HxPCB F2 Standards

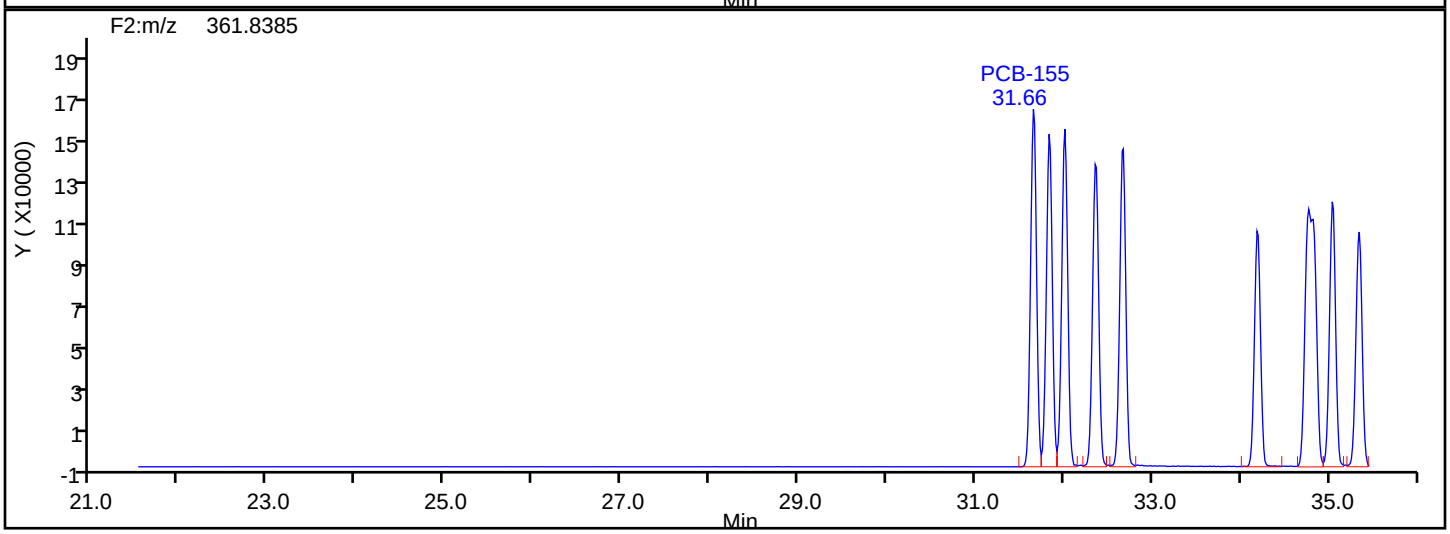


Eurofins TestAmerica, Knoxville

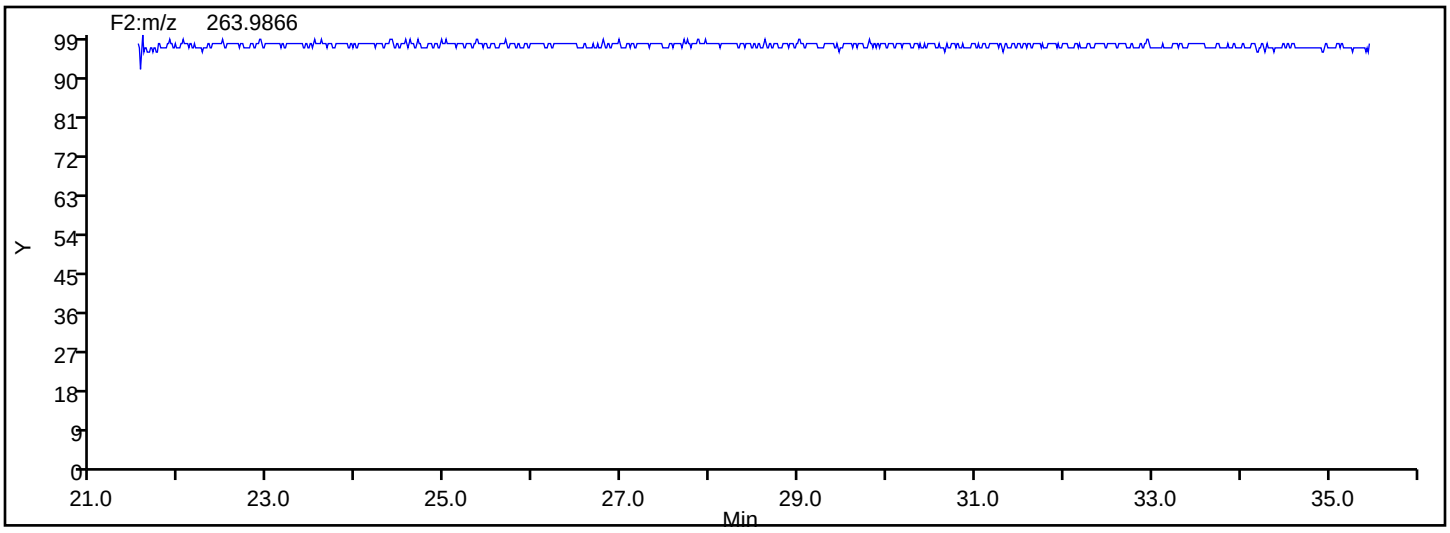
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

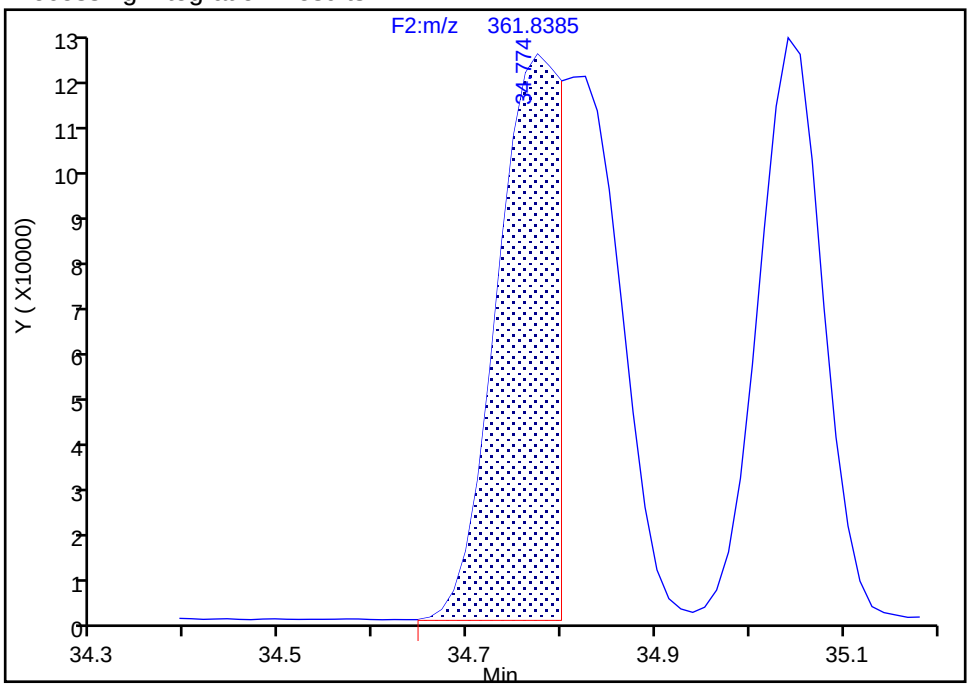
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

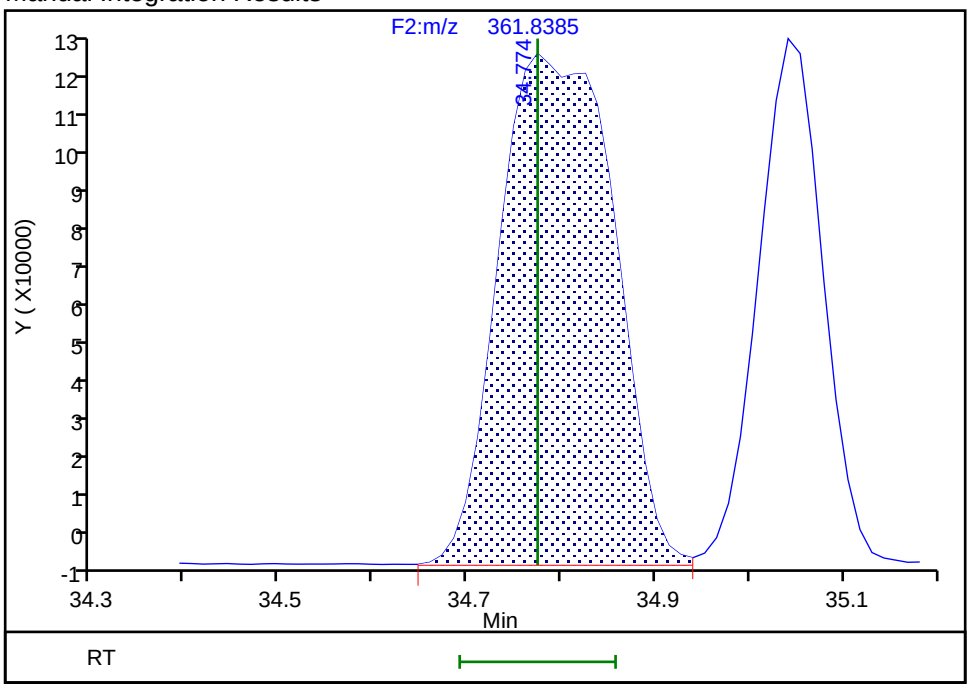
Processing Integration Results

RT: 34.77
Area: 531500
Amount: 50.223033
Amount Units: pg/ul




Manual Integration Results

RT: 34.77
Area: 1018638
Amount: 89.982183
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:02:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

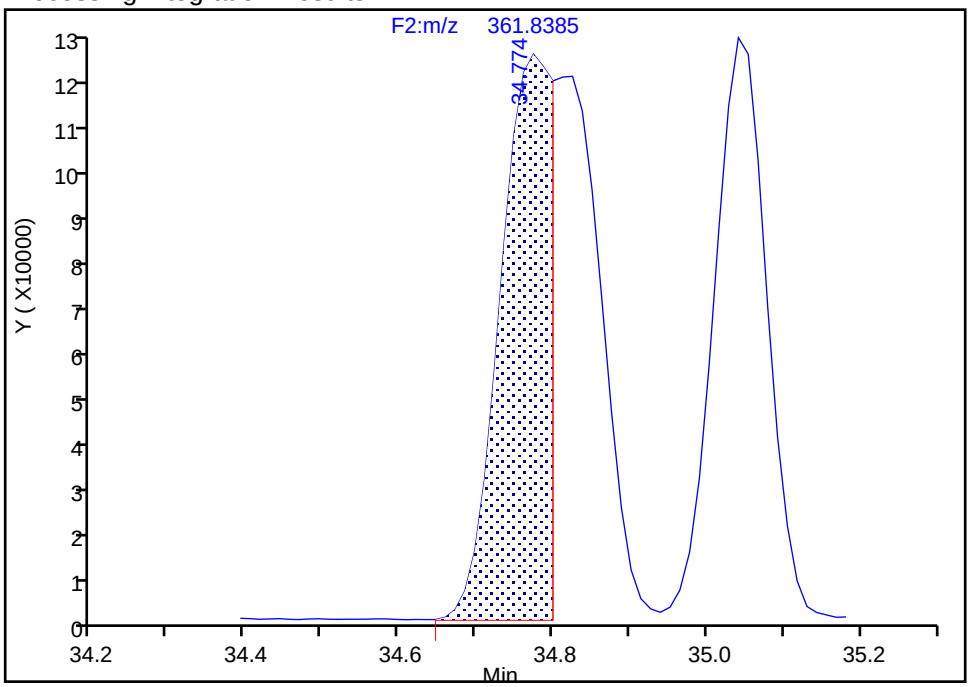
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.77
Area: 1187365
Amount: 50.223033
Amount Units: pg/ul




Manual Integration Results

RT: 34.77
Area: 2309667
Amount: 89.982183
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 21:02:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

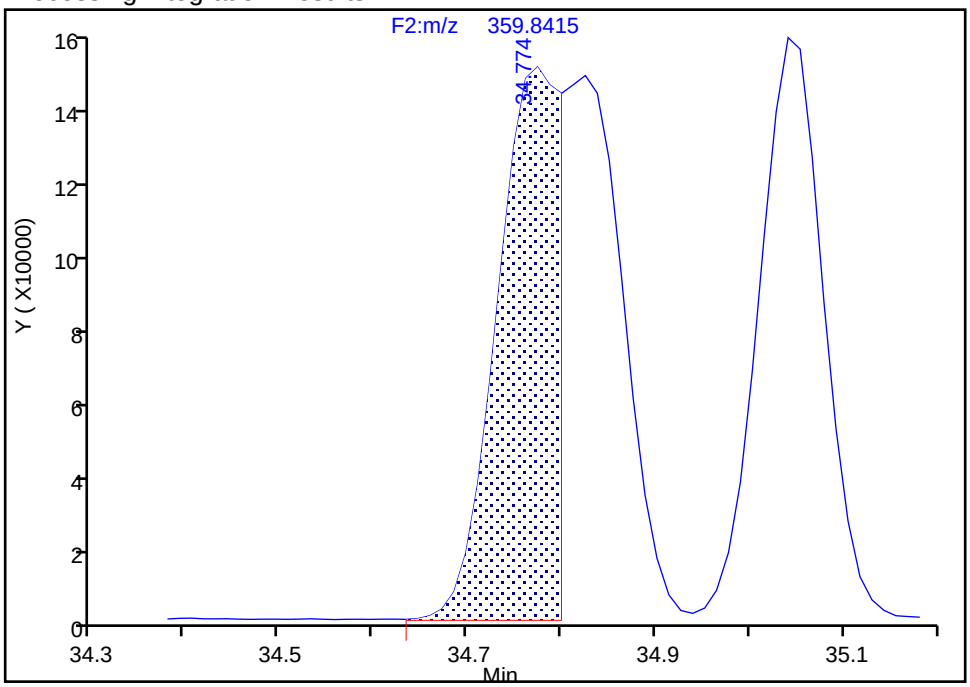
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

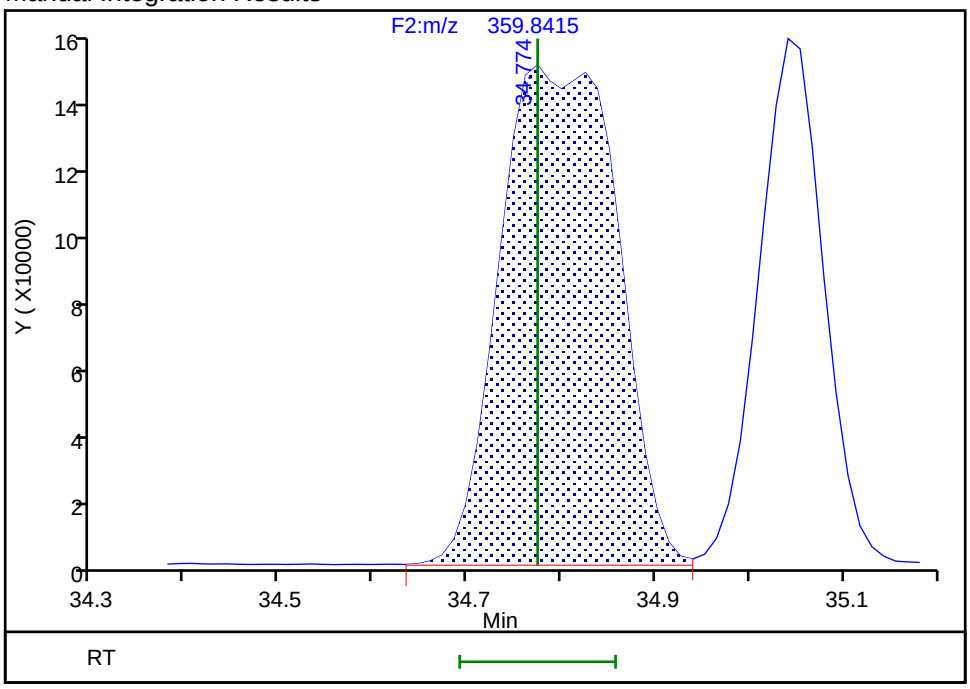
Processing Integration Results

RT: 34.77
Area: 655865
Amount: 50.223033
Amount Units: pg/ul




Manual Integration Results

RT: 34.77
Area: 1291029
Amount: 89.982183
Amount Units: pg/ul



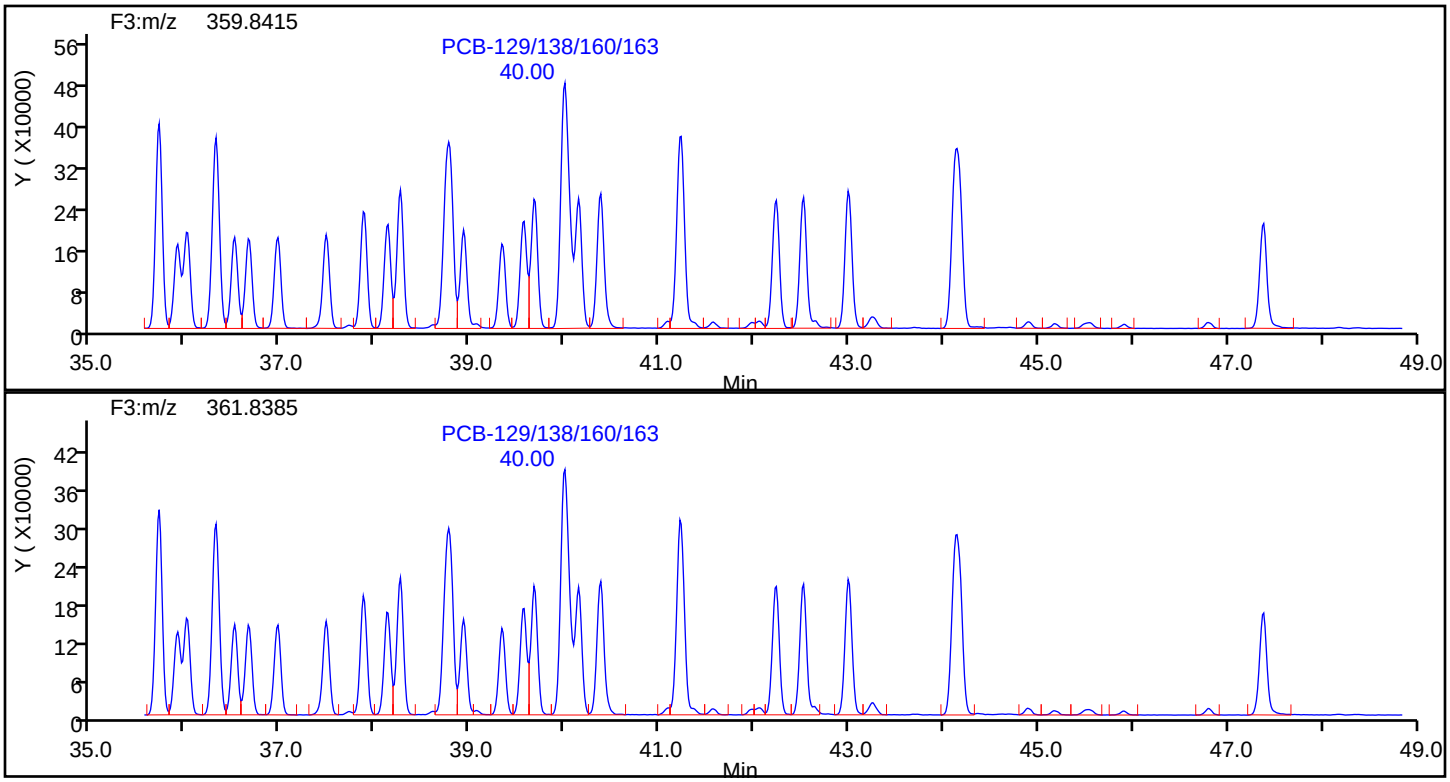

Reviewer: mcwhirterl, 21-Aug-2019 21:02:28

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

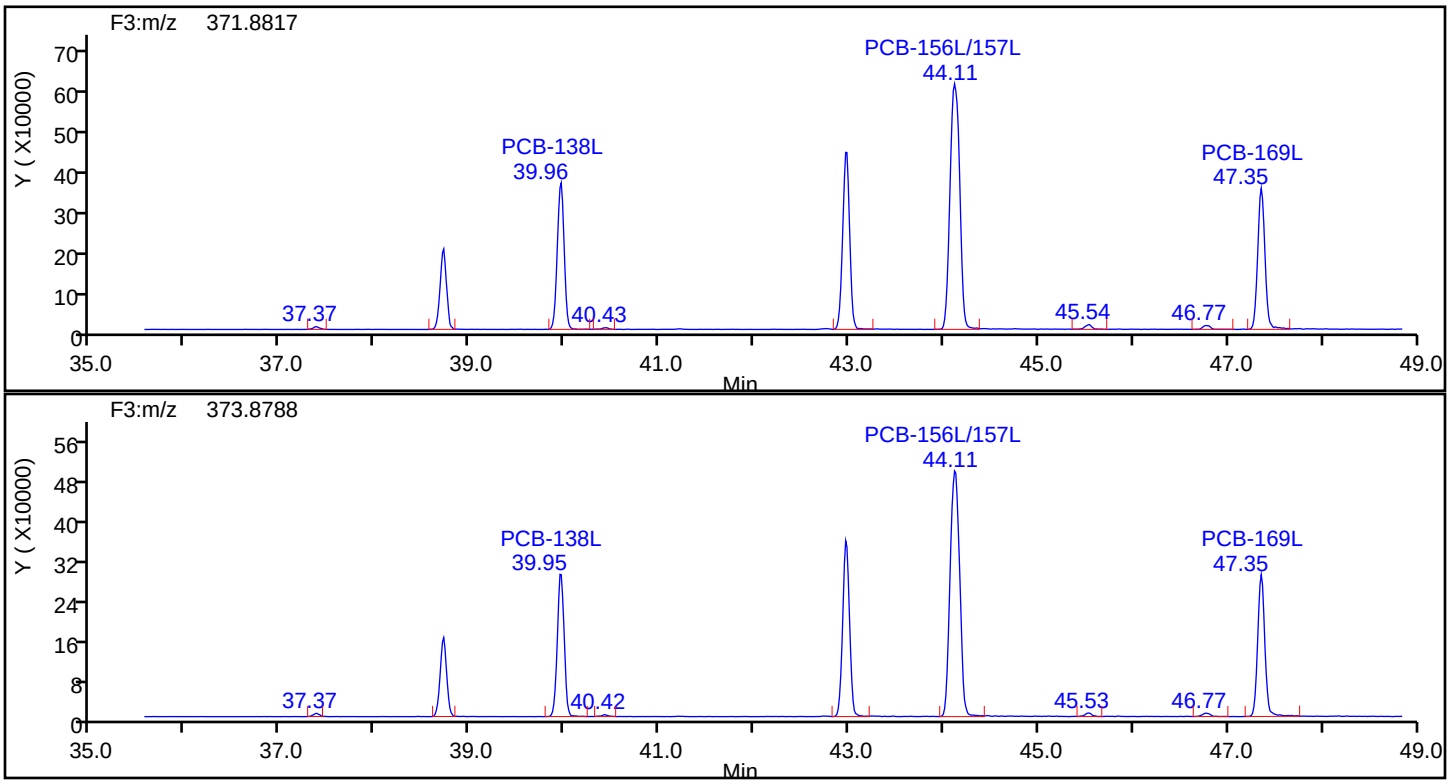
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



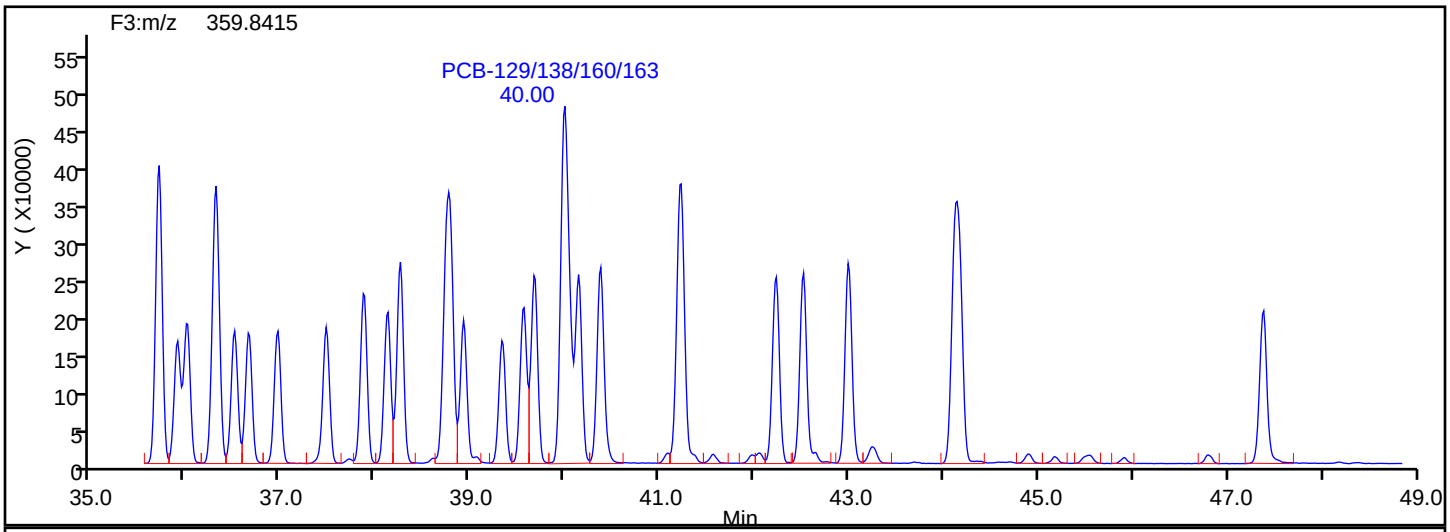

HxPCB F3 Standards

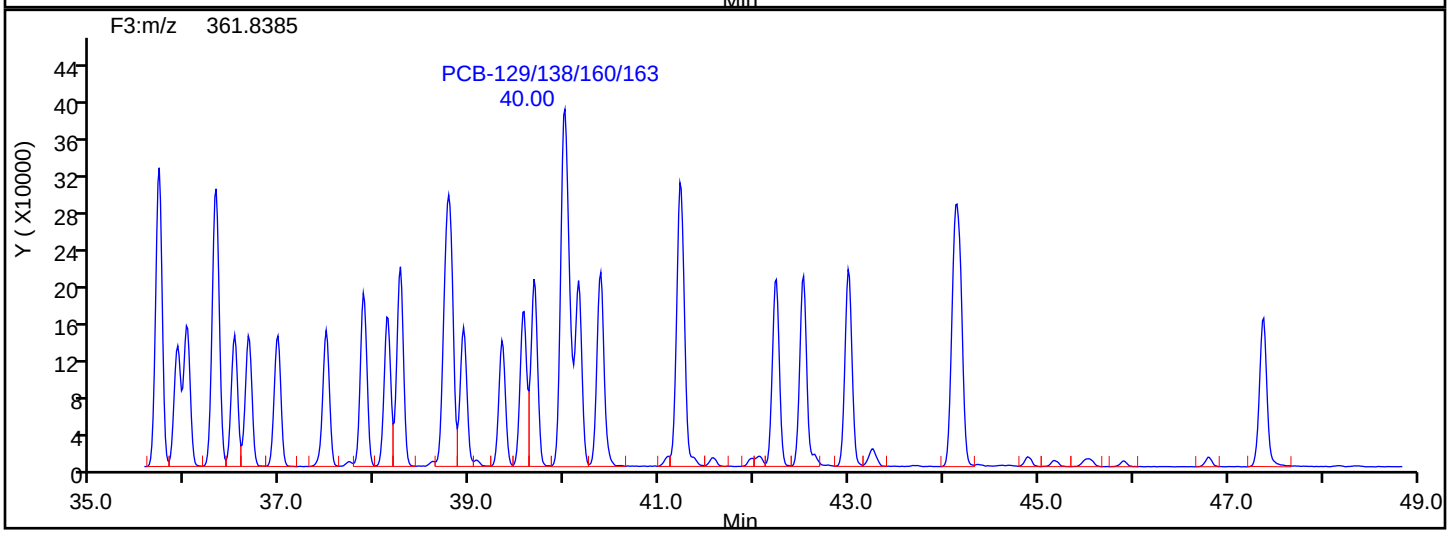


Eurofins TestAmerica, Knoxville

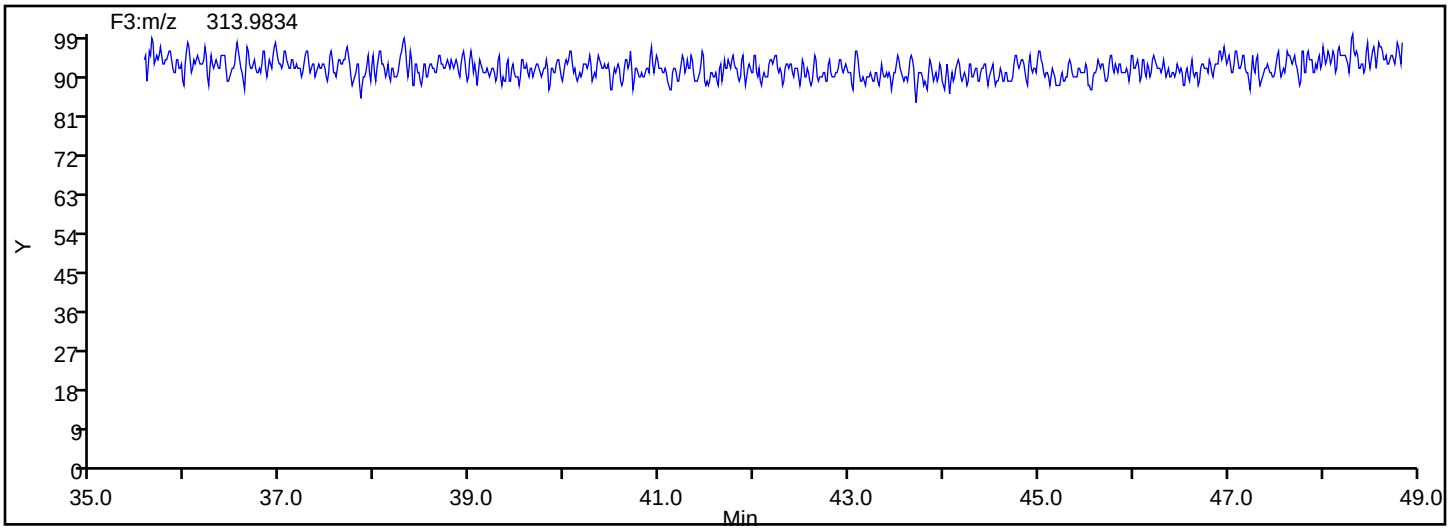
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

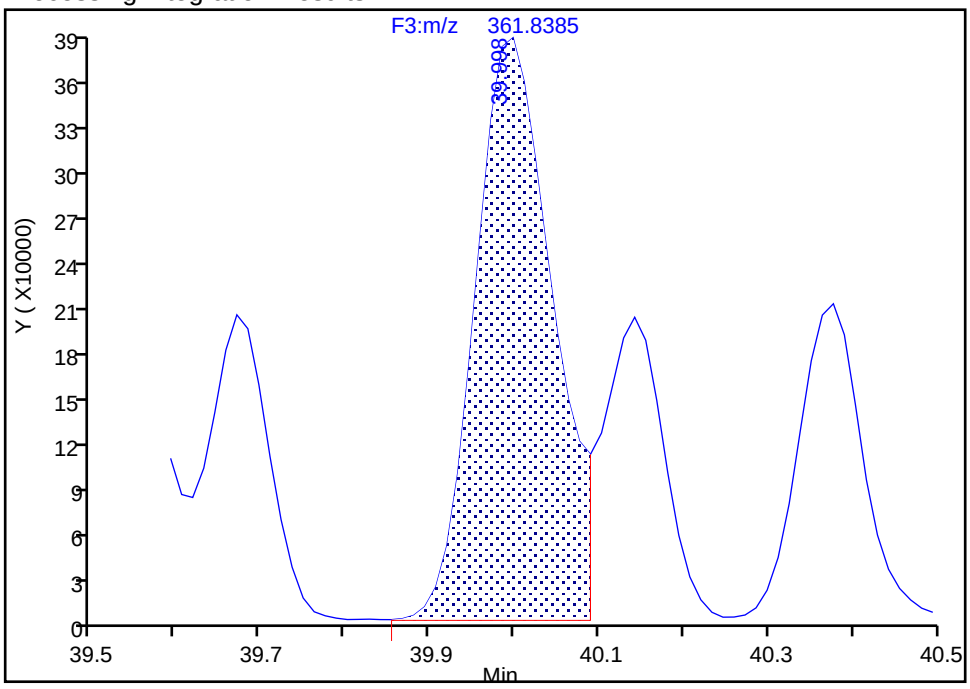
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

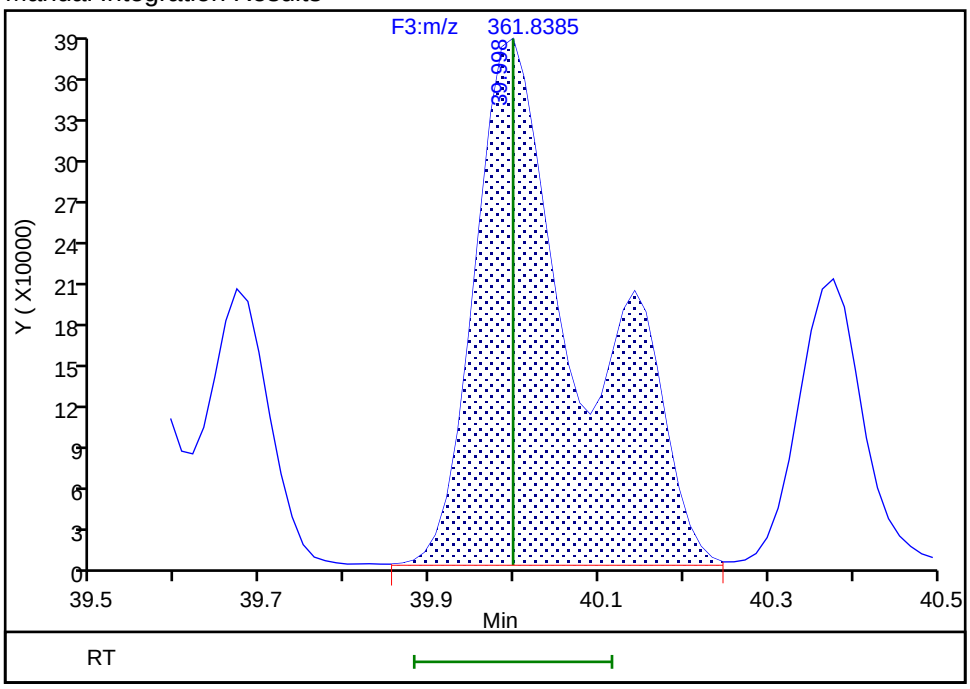
Processing Integration Results

RT: 40.00
Area: 2455303
Amount: 145.4321
Amount Units: pg/ul




Manual Integration Results

RT: 40.00
Area: 3448880
Amount: 185.8573
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 21:02:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

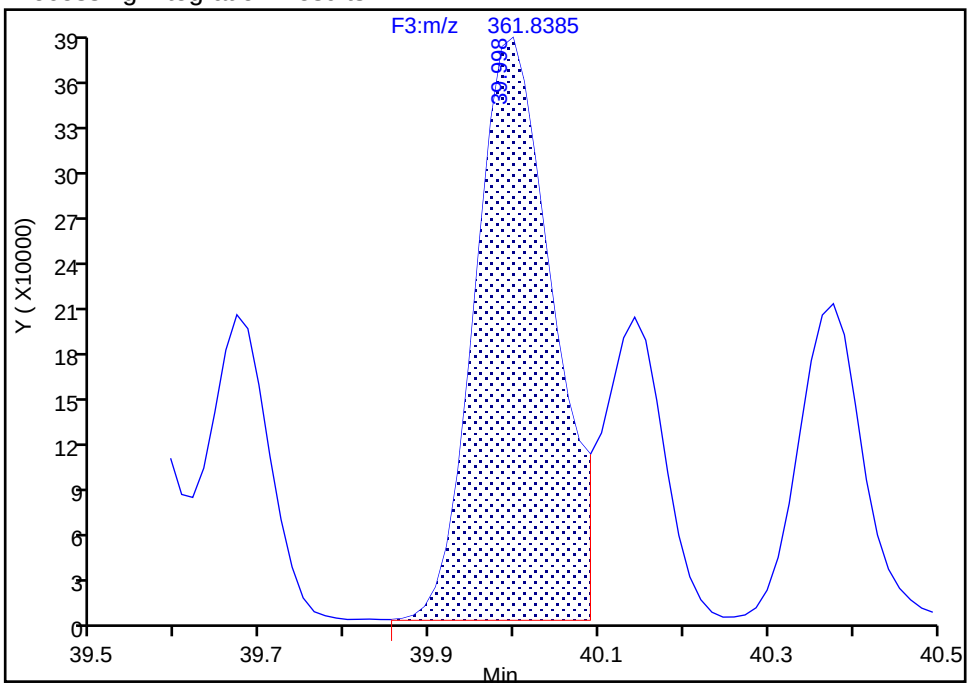
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 3

Processing Integration Results

RT: 40.00
Area: 5521089
Amount: 145.4321
Amount Units: pg/ul




Manual Integration Results

RT: 40.00
Area: 7764180
Amount: 185.8573
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 21:02:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

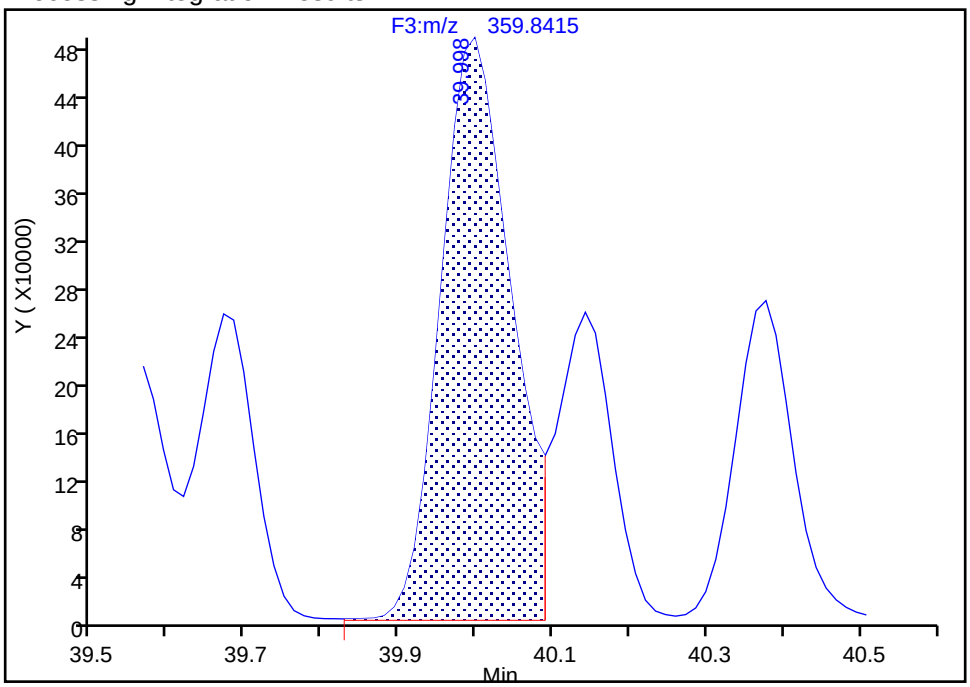
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

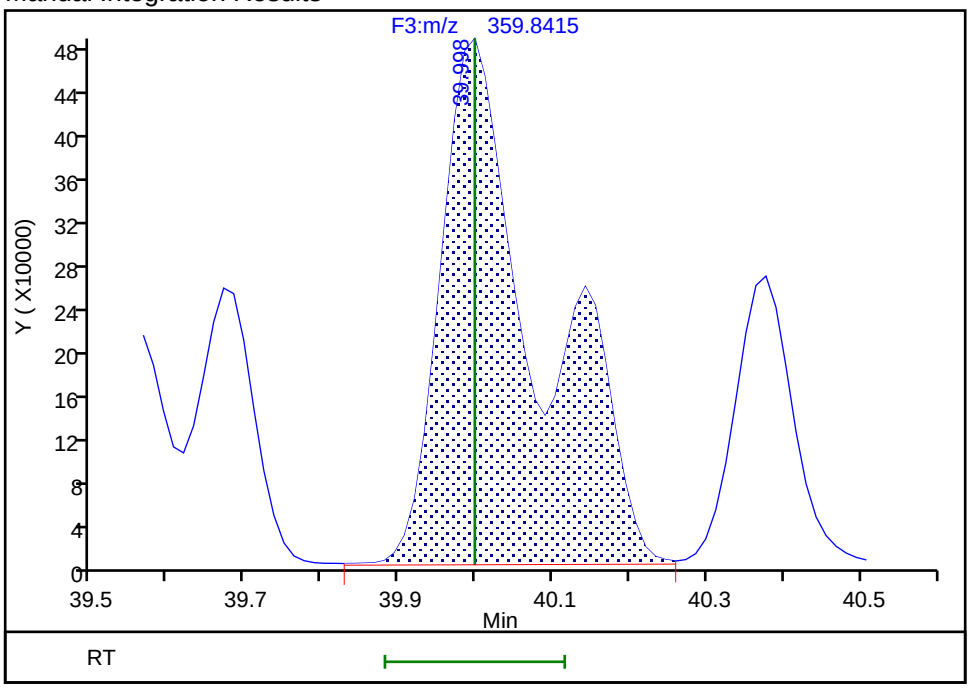
Processing Integration Results

RT: 40.00
Area: 3065786
Amount: 145.4321
Amount Units: pg/ul




Manual Integration Results

RT: 40.00
Area: 4315300
Amount: 185.8573
Amount Units: pg/ul



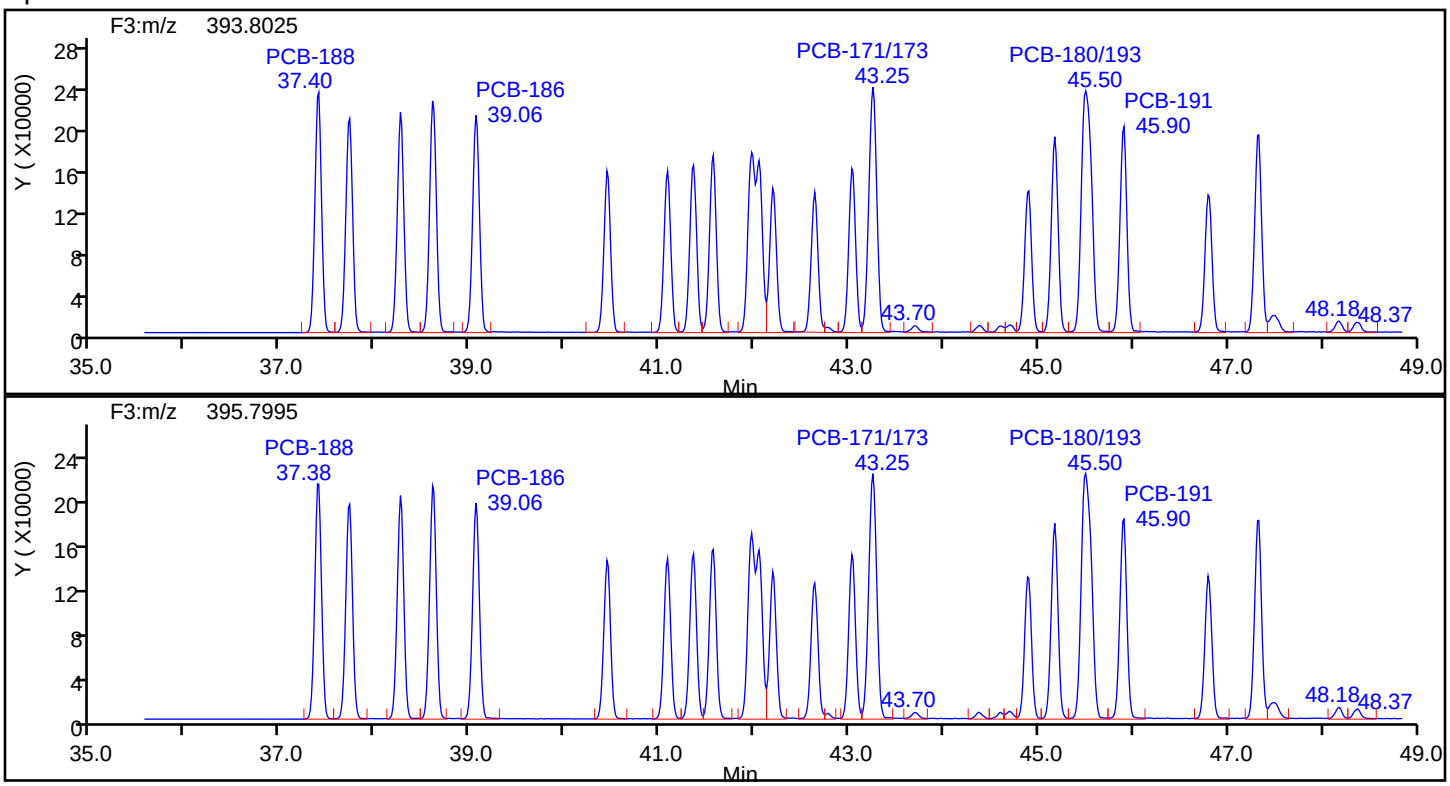

Reviewer: mcwhirterl, 21-Aug-2019 21:03:00

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

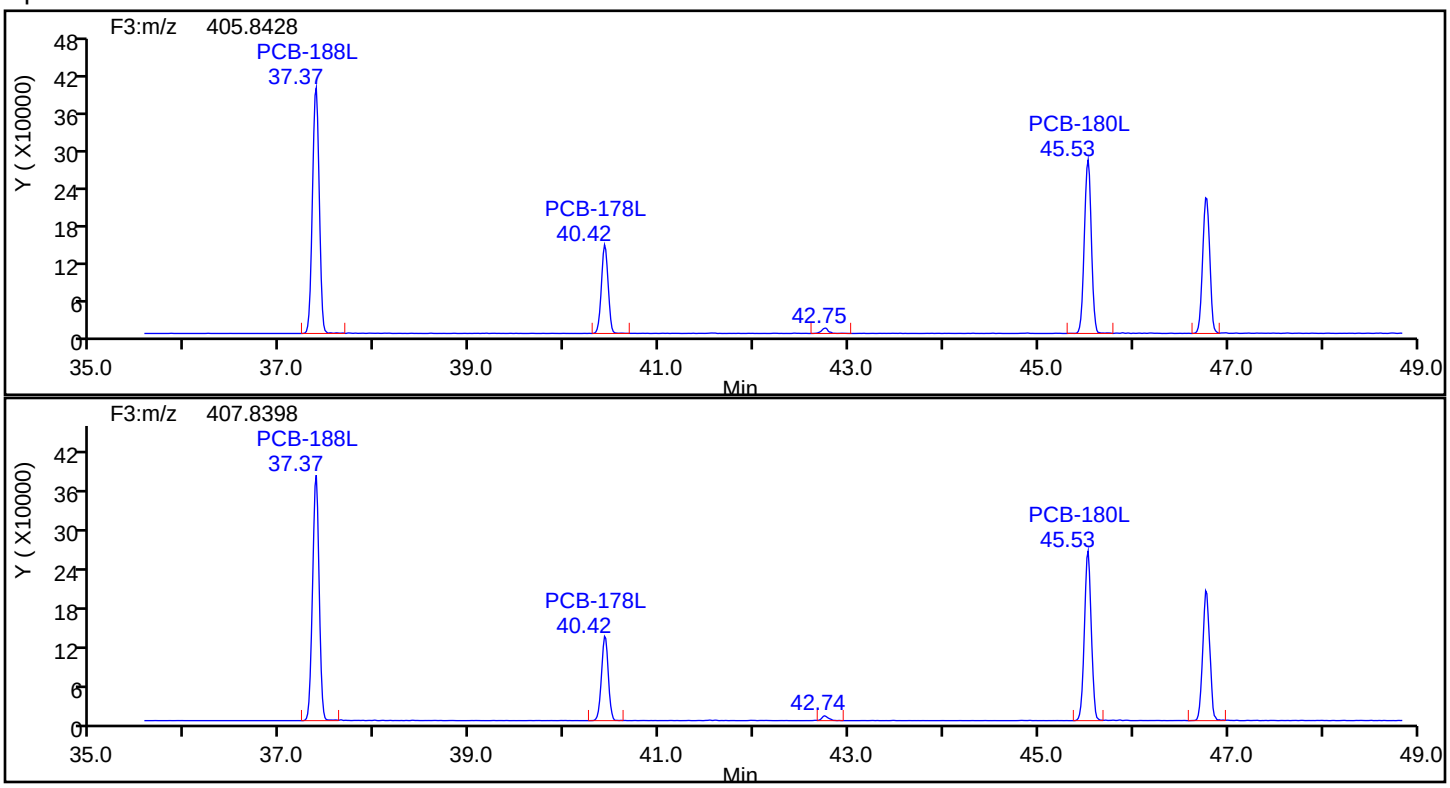
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



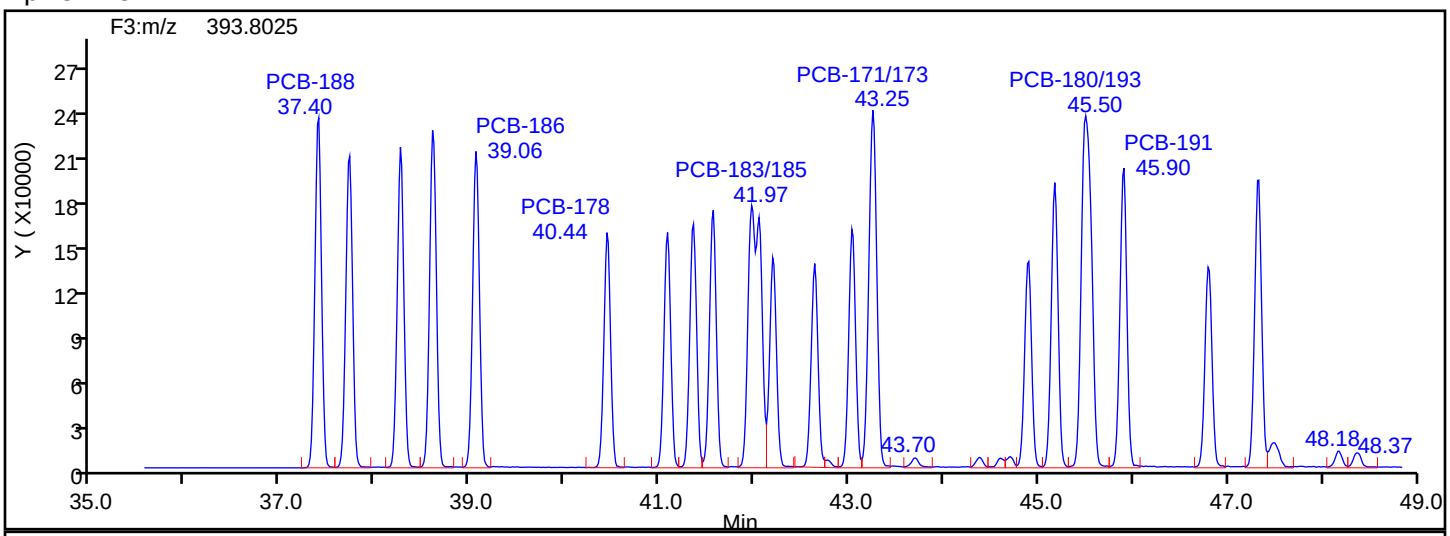

HpPCB F3 Standards

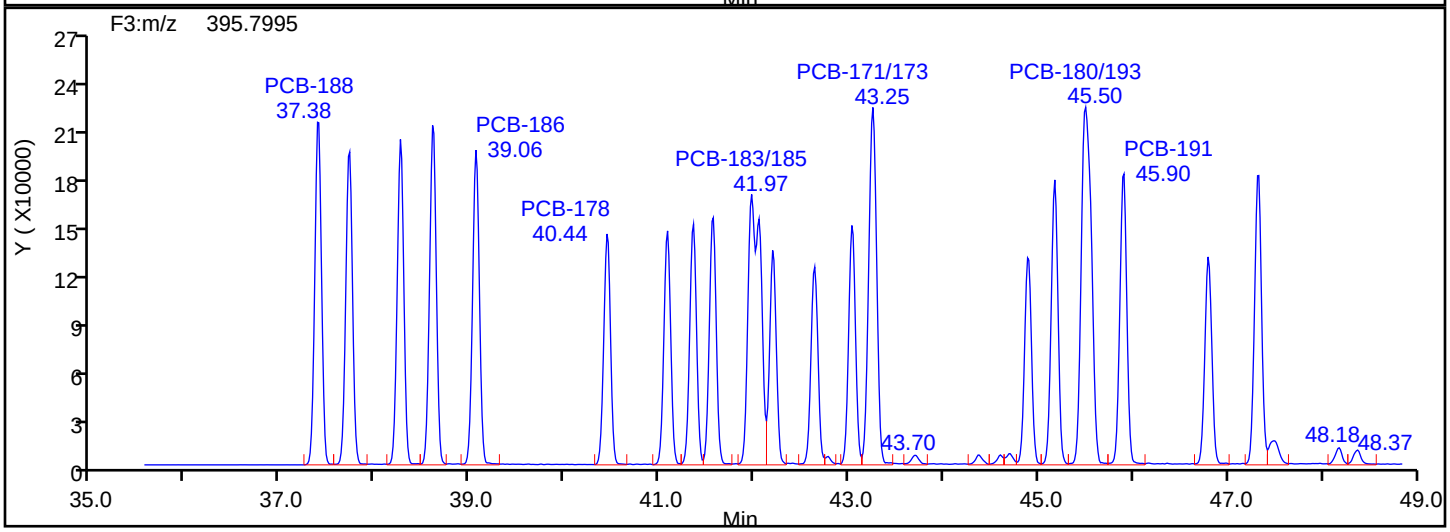


Eurofins TestAmerica, Knoxville

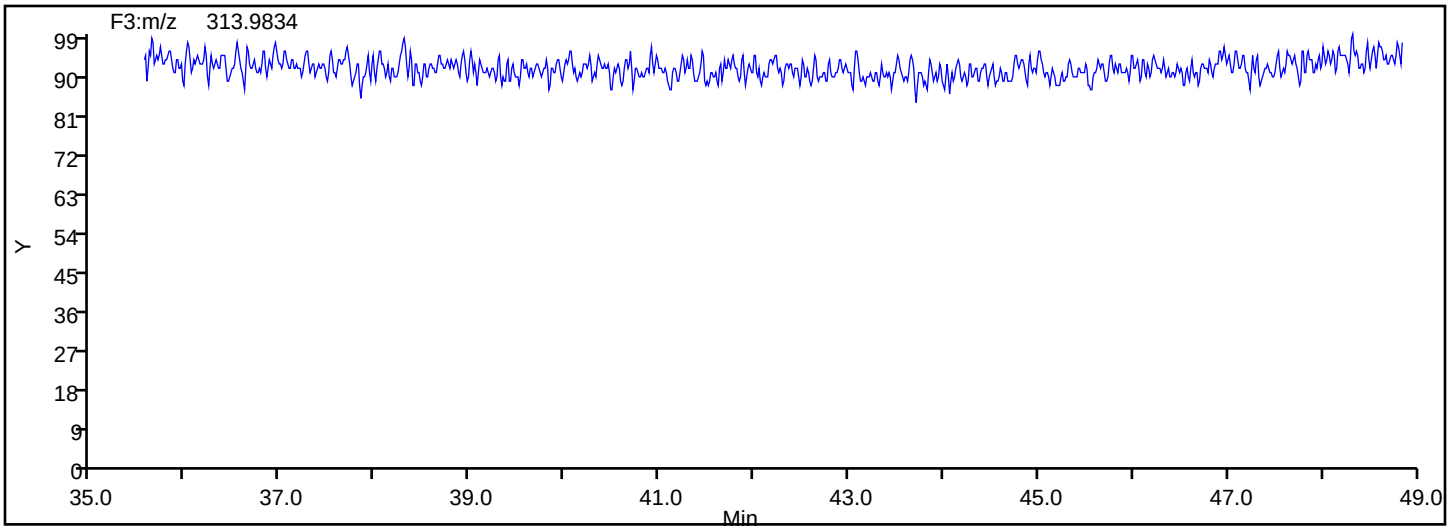
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

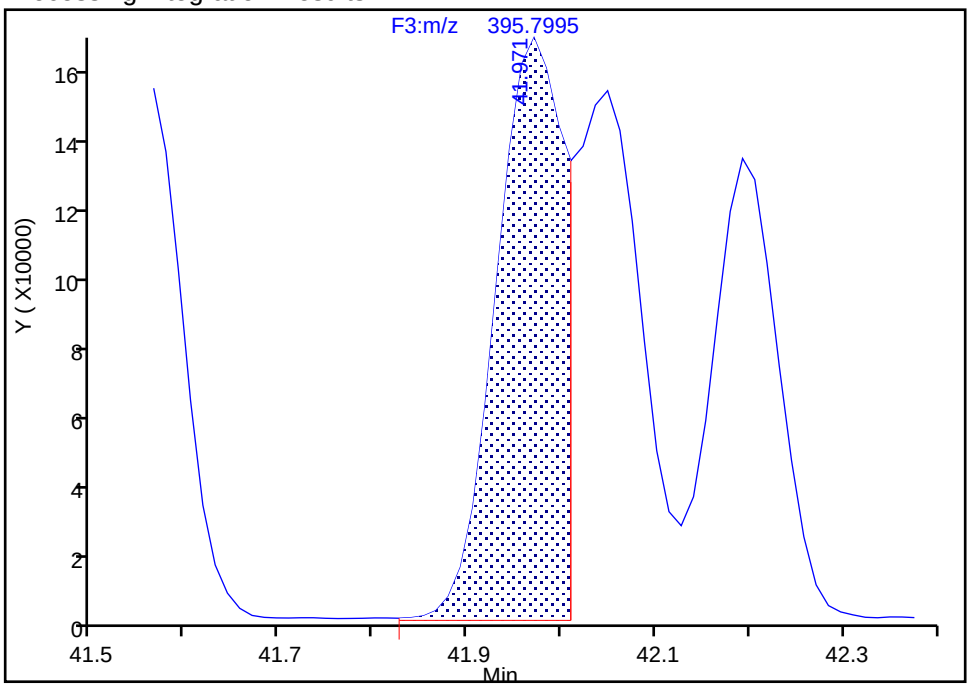
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

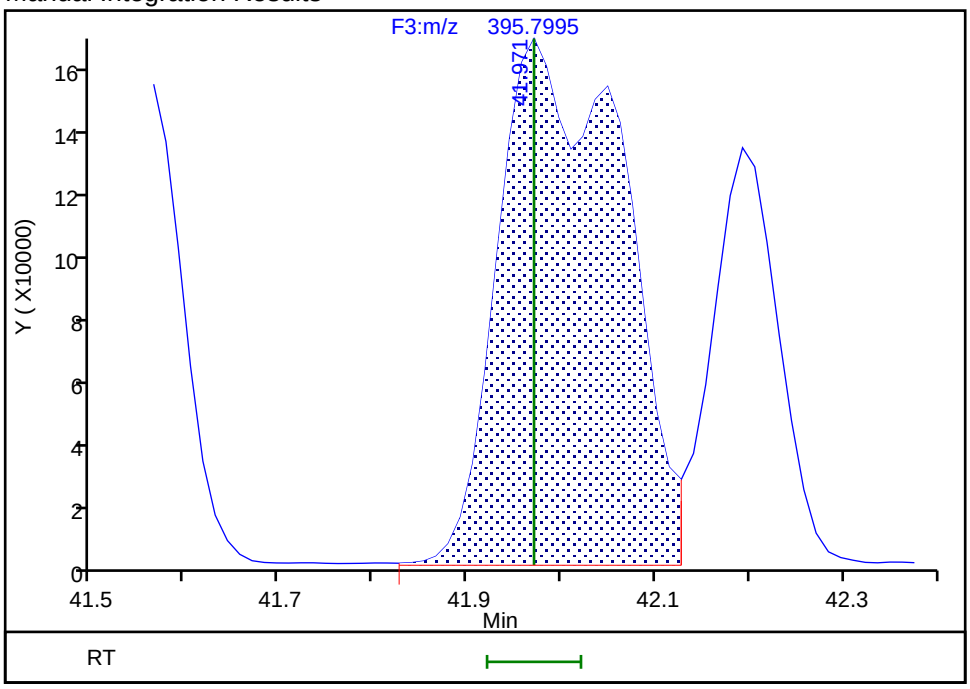
Processing Integration Results

RT: 41.97
Area: 834808
Amount: 58.332500
Amount Units: pg/ul




Manual Integration Results

RT: 41.97
Area: 1576497
Amount: 94.168859
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:23:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

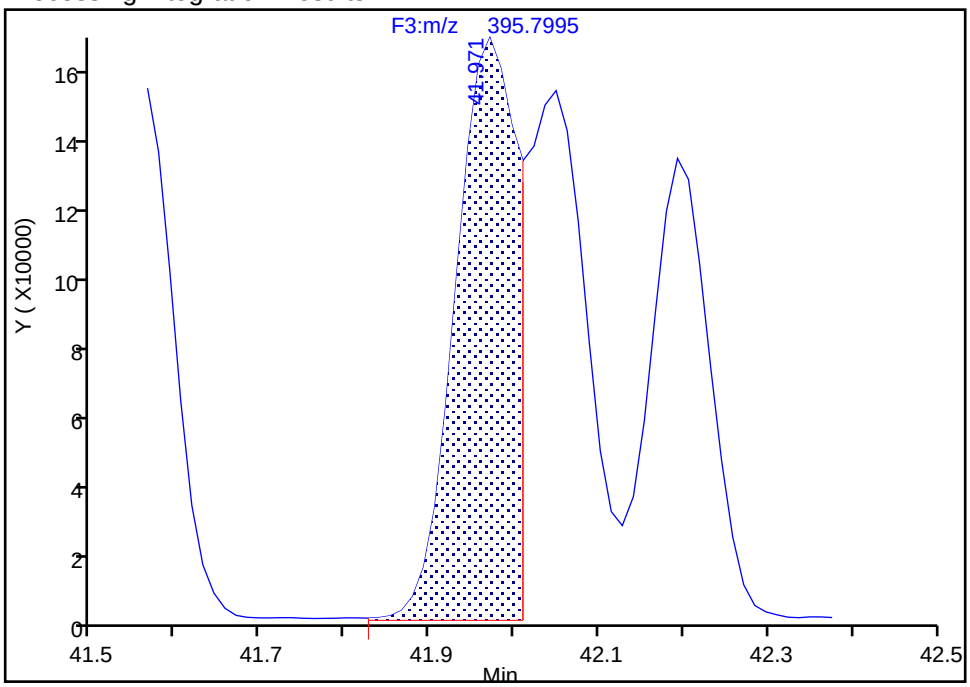
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 3

Processing Integration Results

RT: 41.97
Area: 1692191
Amount: 58.332500
Amount Units: pg/ul




Manual Integration Results

RT: 41.97
Area: 3219653
Amount: 94.168859
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:23:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

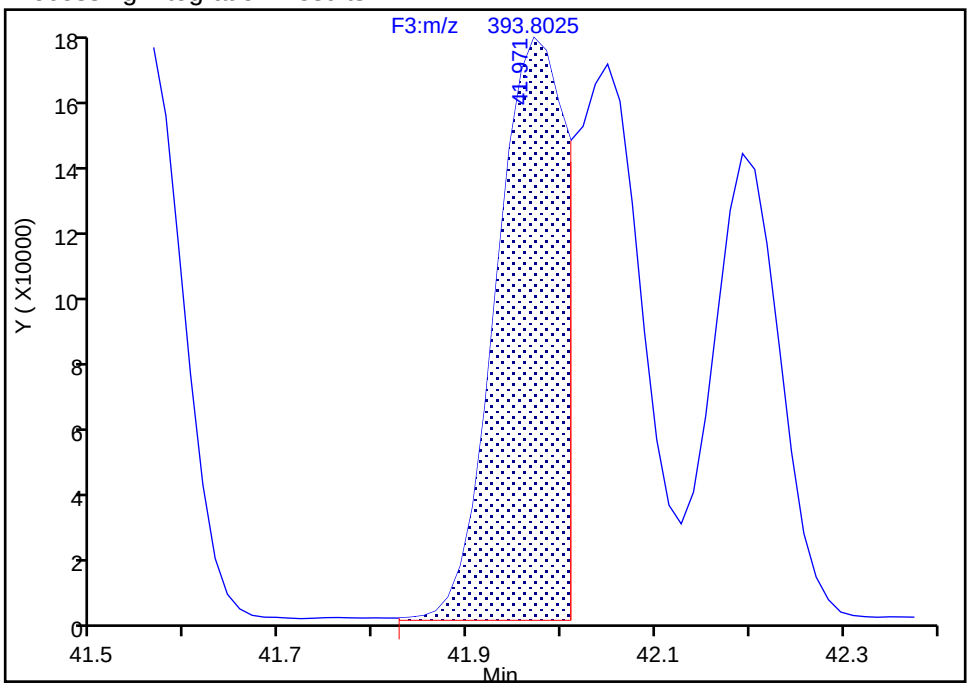
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

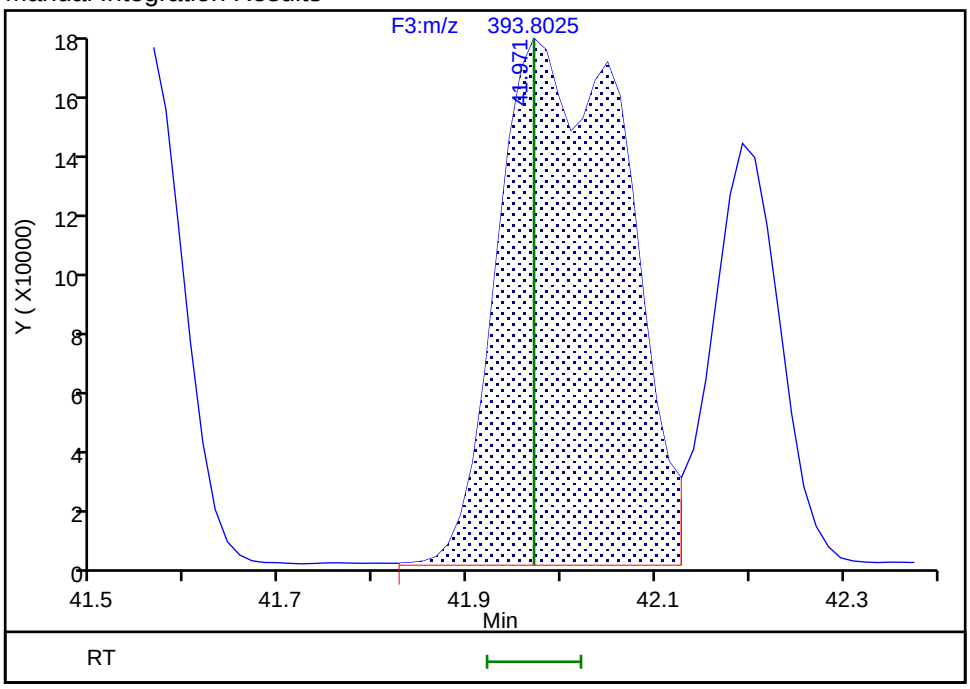
Processing Integration Results

RT: 41.97
Area: 857383
Amount: 58.332500
Amount Units: pg/ul




Manual Integration Results

RT: 41.97
Area: 1643156
Amount: 94.168859
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:23:21

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

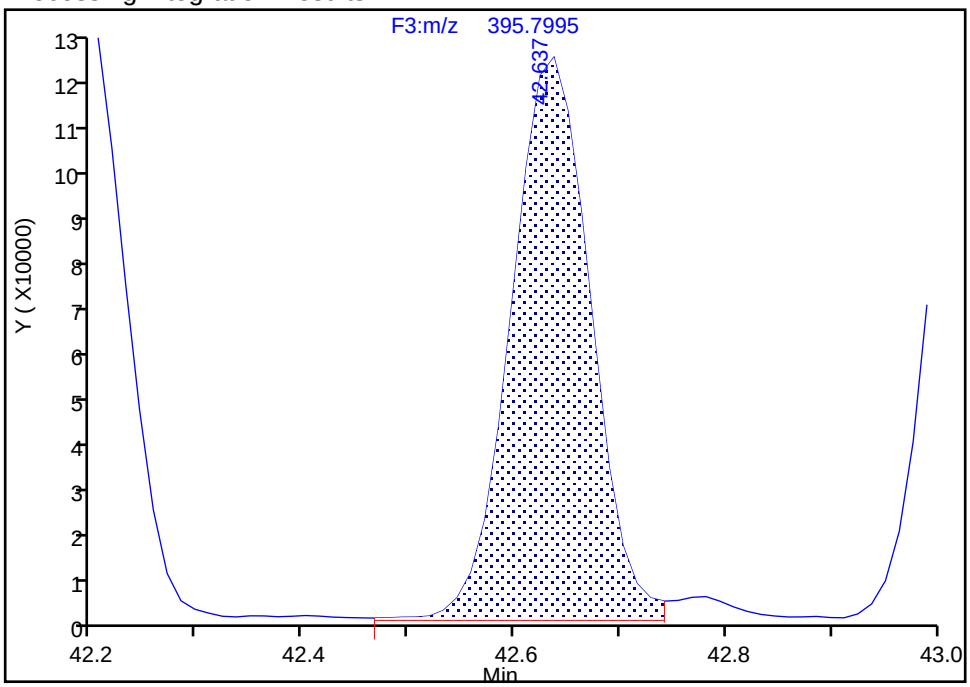
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-177, CAS: 52663-70-4

Signal: 2

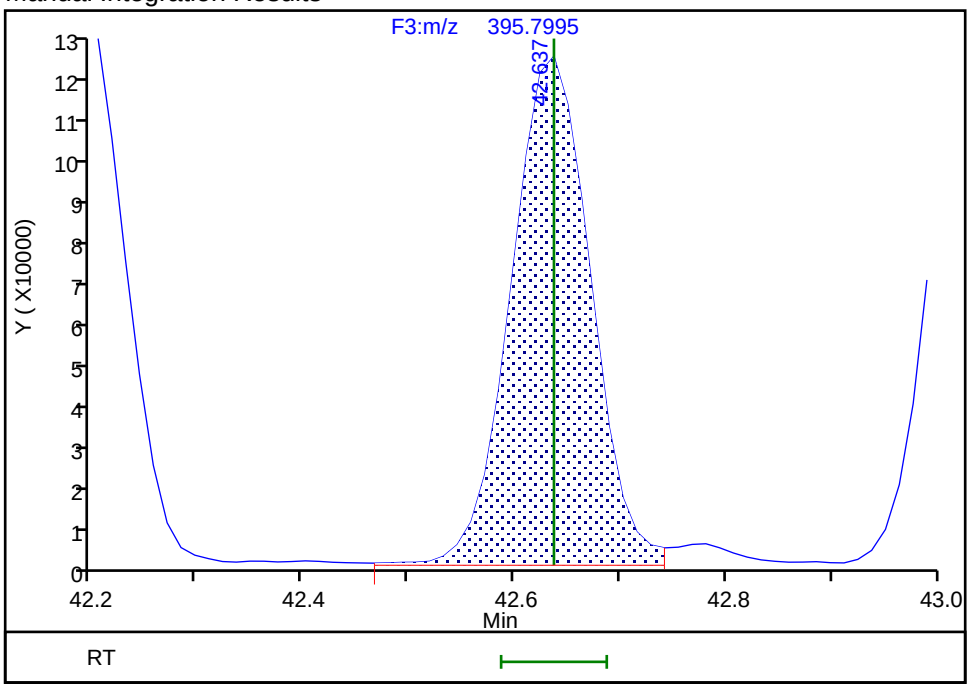
Processing Integration Results

RT: 42.64
Area: 651318
Amount: 47.532196
Amount Units: pg/ul




Manual Integration Results

RT: 42.64
Area: 651318
Amount: 46.872698
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:23:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

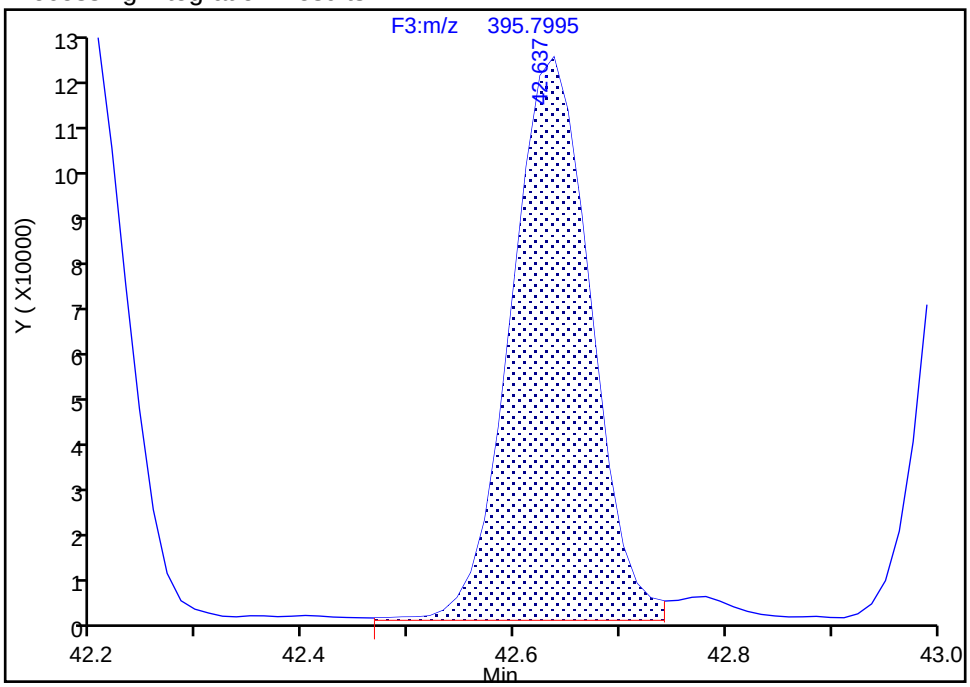
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d
Injection Date: 21-Aug-2019 17:01:00 Instrument ID: D3D
Lims ID: IC L4
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-177, CAS: 52663-70-4

Signal: 3

Processing Integration Results

RT: 42.64
Area: 1352849
Amount: 47.532196
Amount Units: pg/ul




Manual Integration Results

RT: 42.64
Area: 1328705
Amount: 46.872698
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:23:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

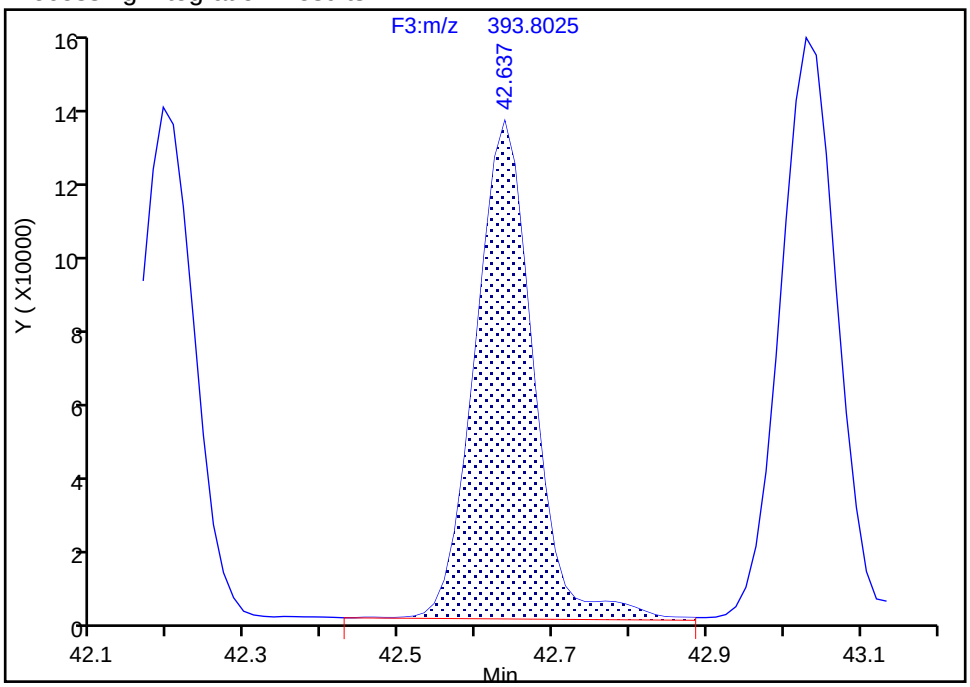
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L4 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 4 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-177, CAS: 52663-70-4

Signal: 1

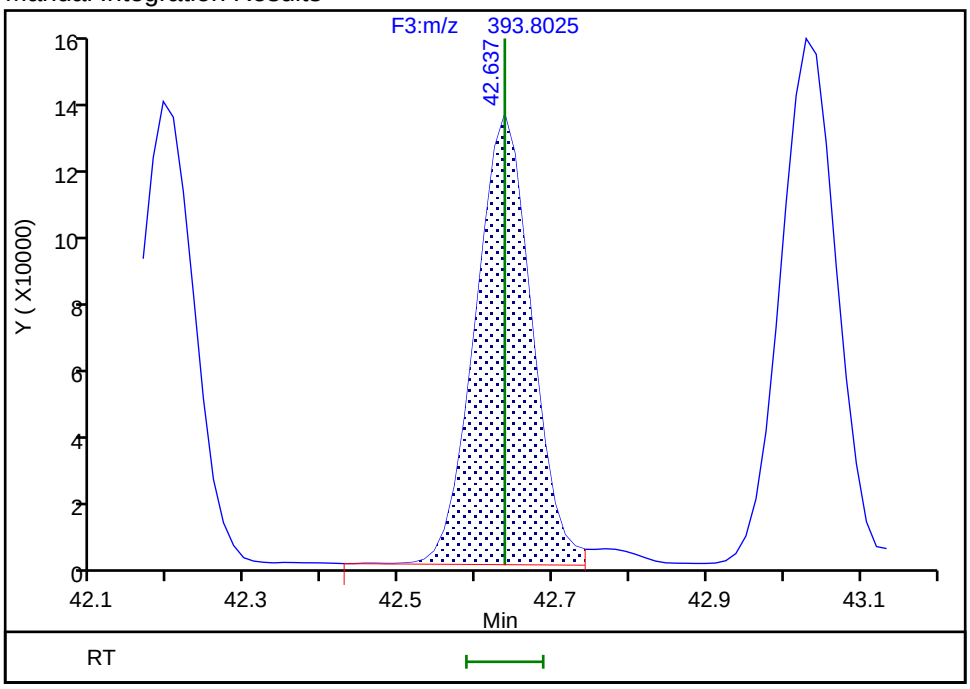
Processing Integration Results

RT: 42.64
Area: 701531
Amount: 47.532196
Amount Units: pg/ul




Manual Integration Results

RT: 42.64
Area: 677387
Amount: 46.872698
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:23:38

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Report Date: 30-Aug-2019 11:37:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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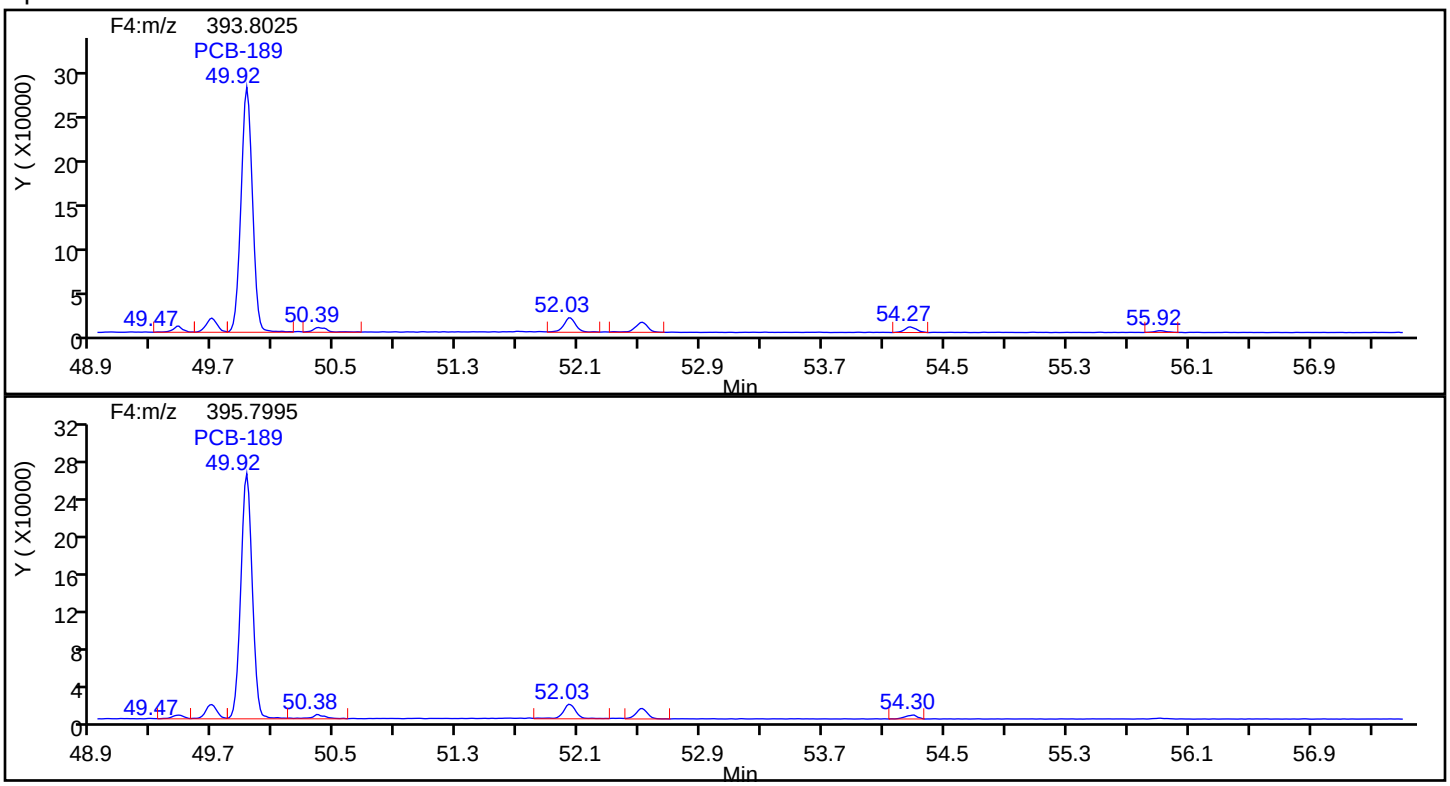
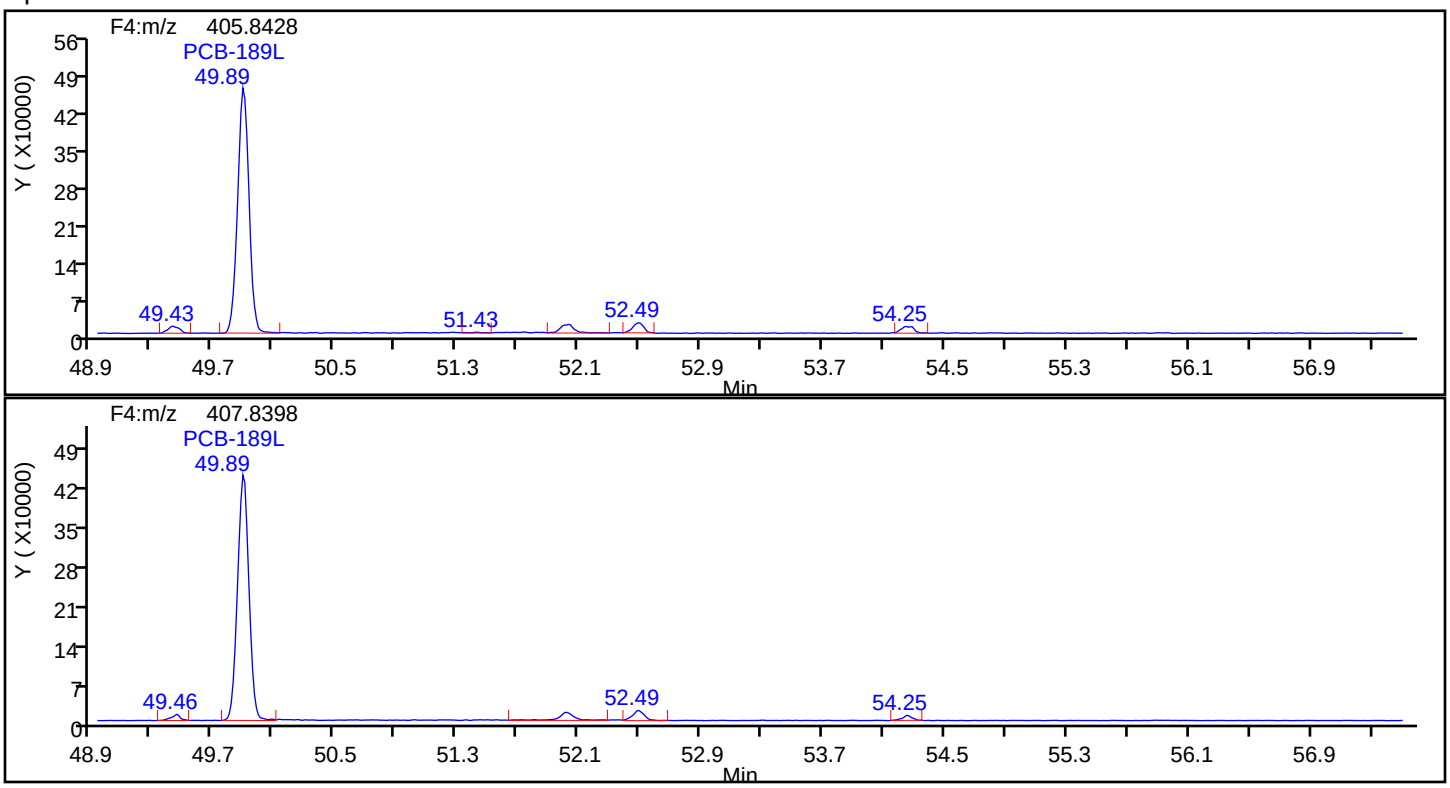
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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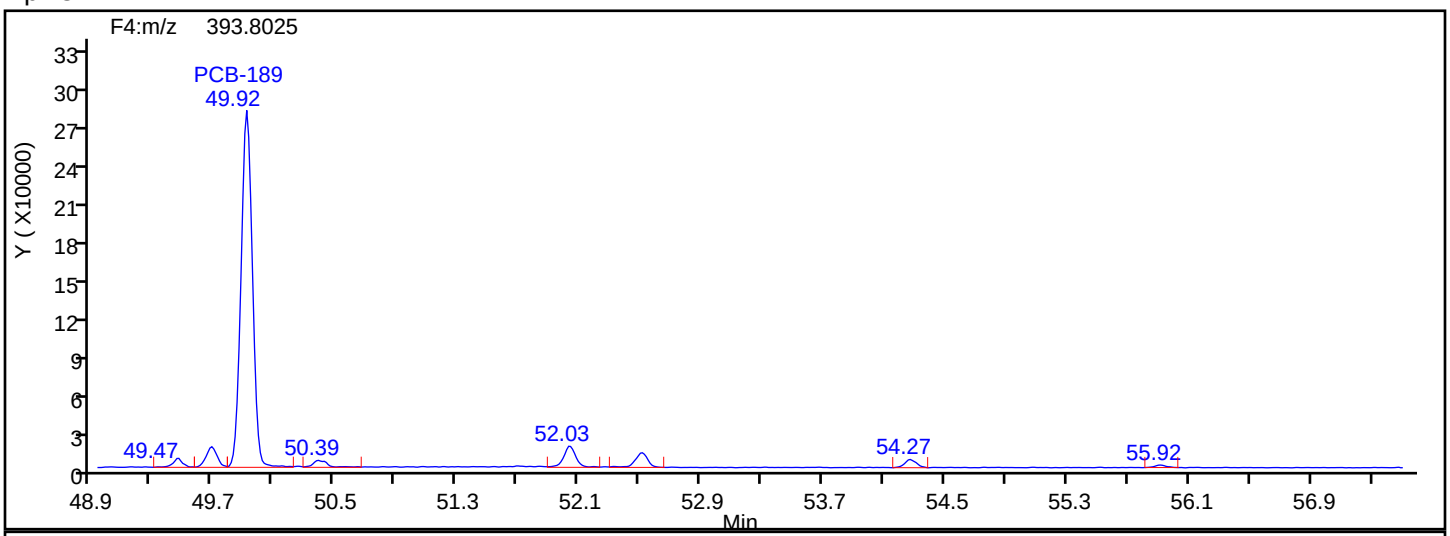
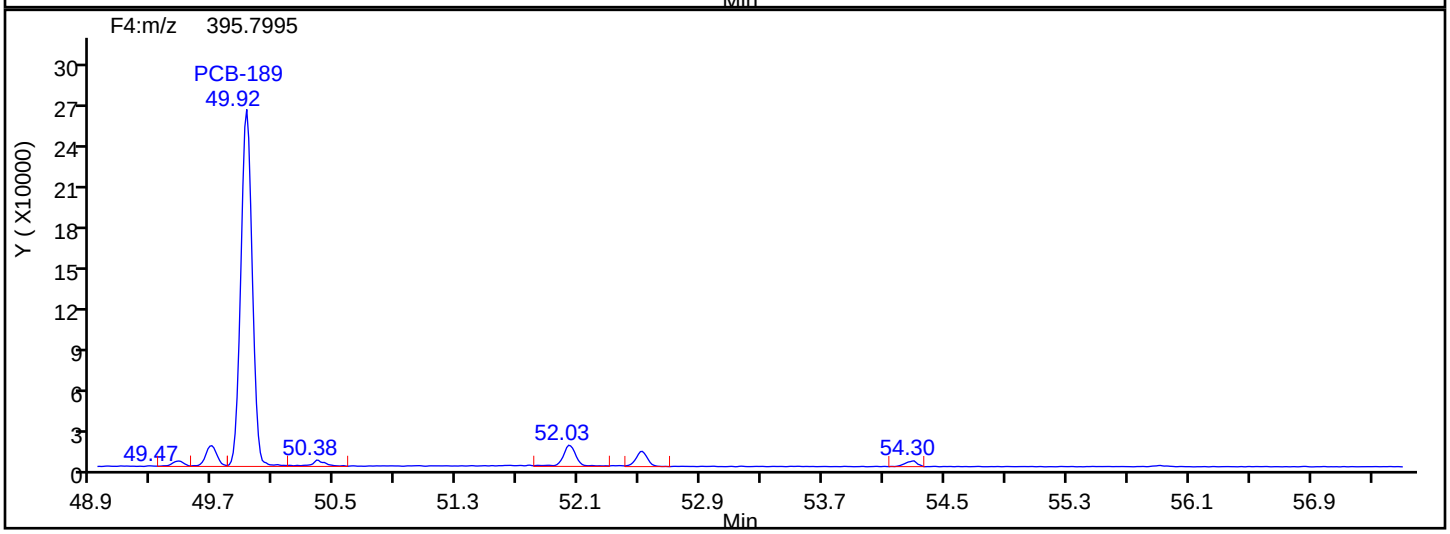
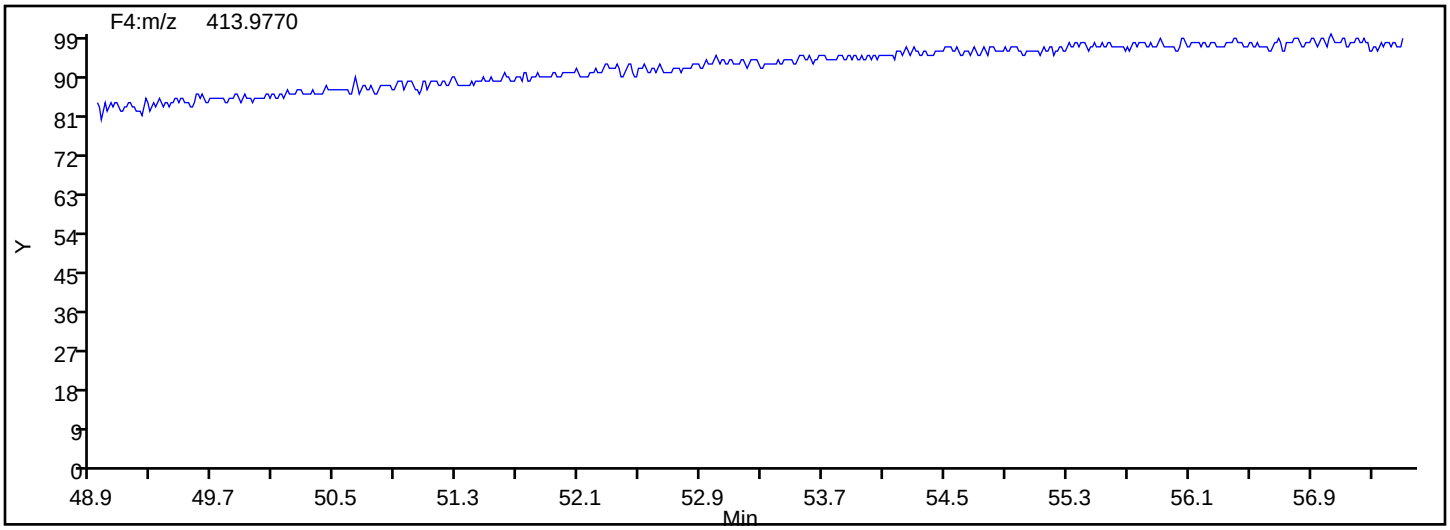
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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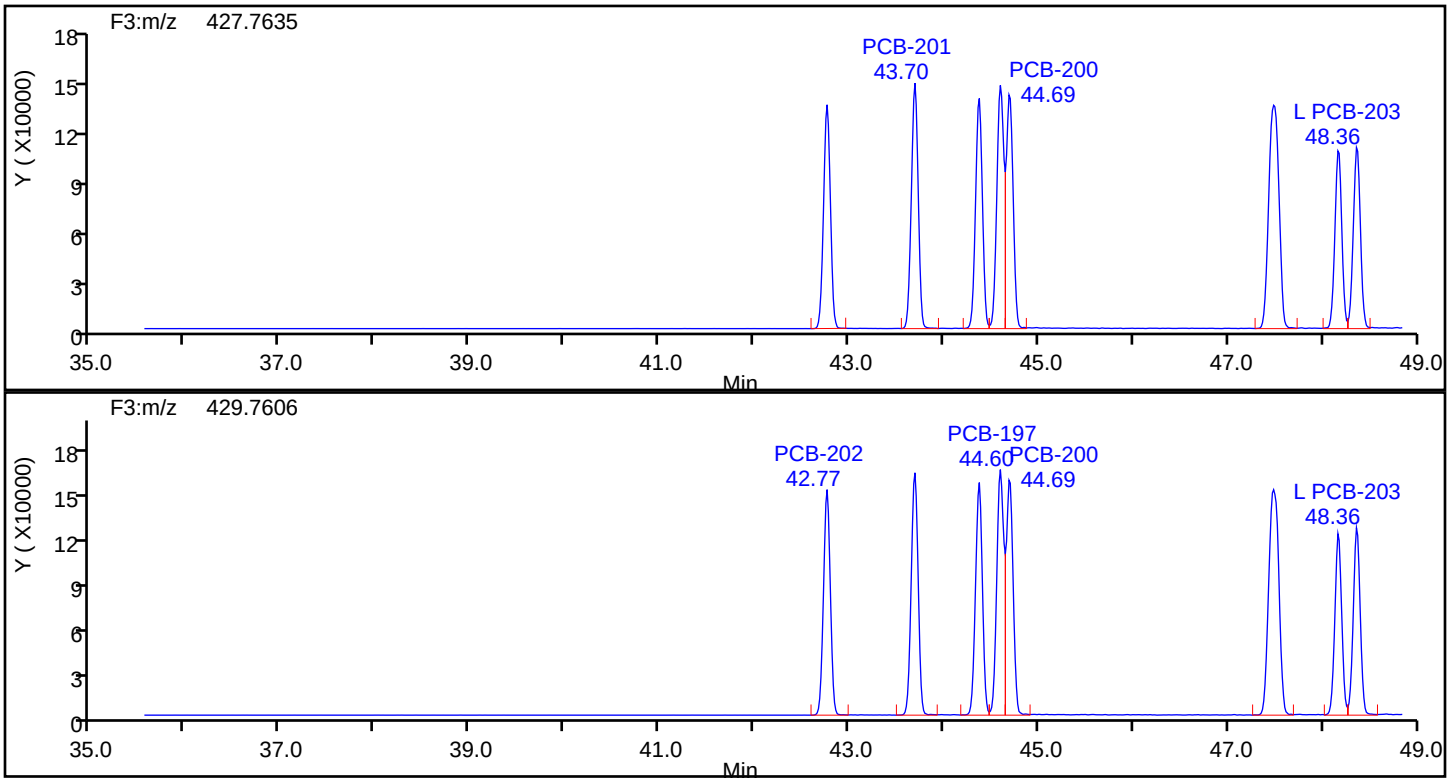
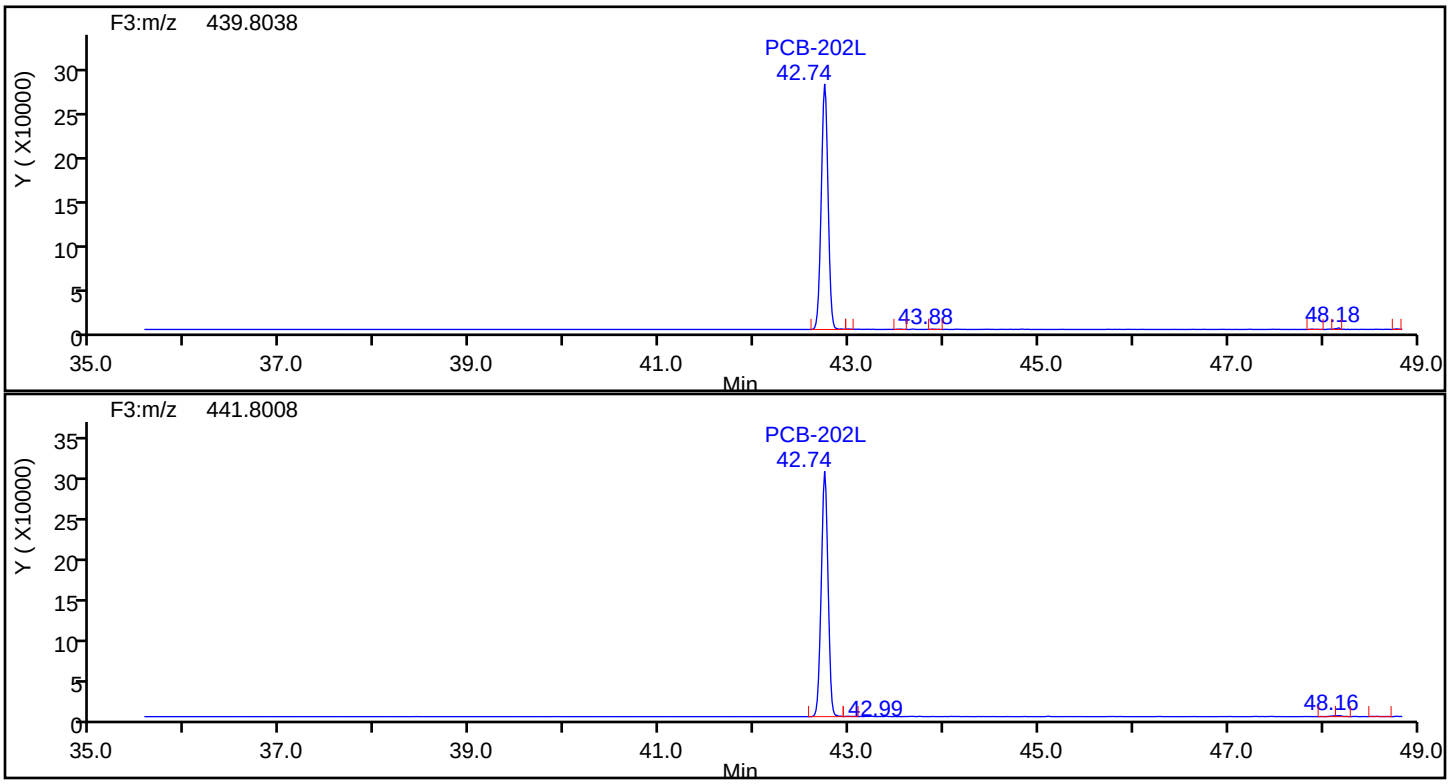
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d | | |
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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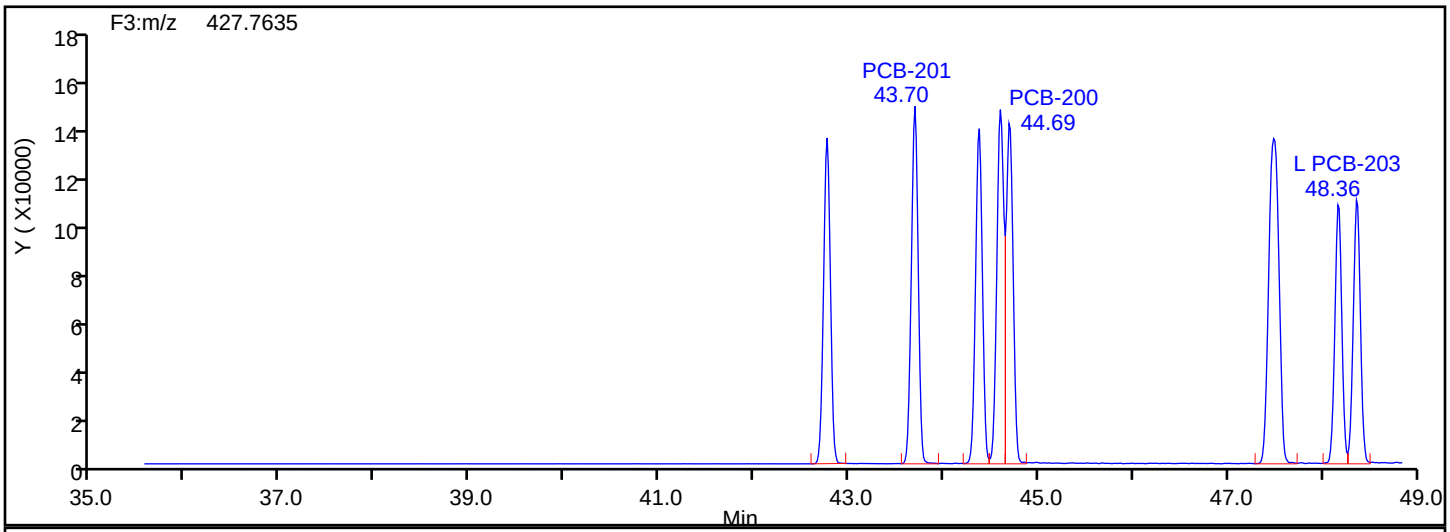
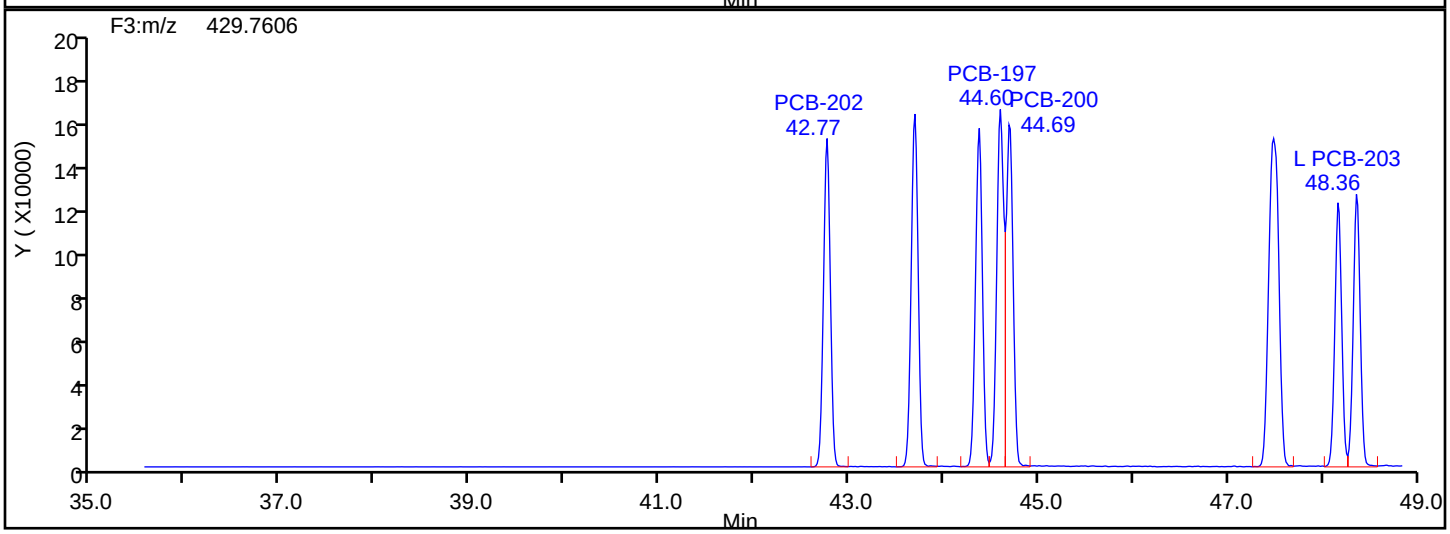
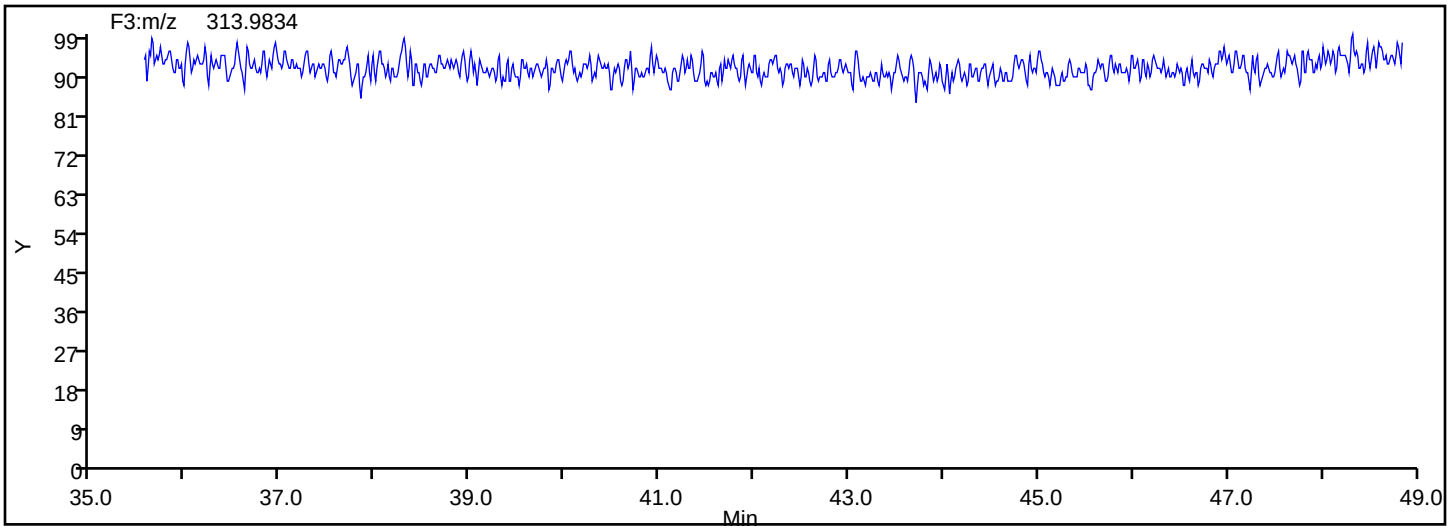
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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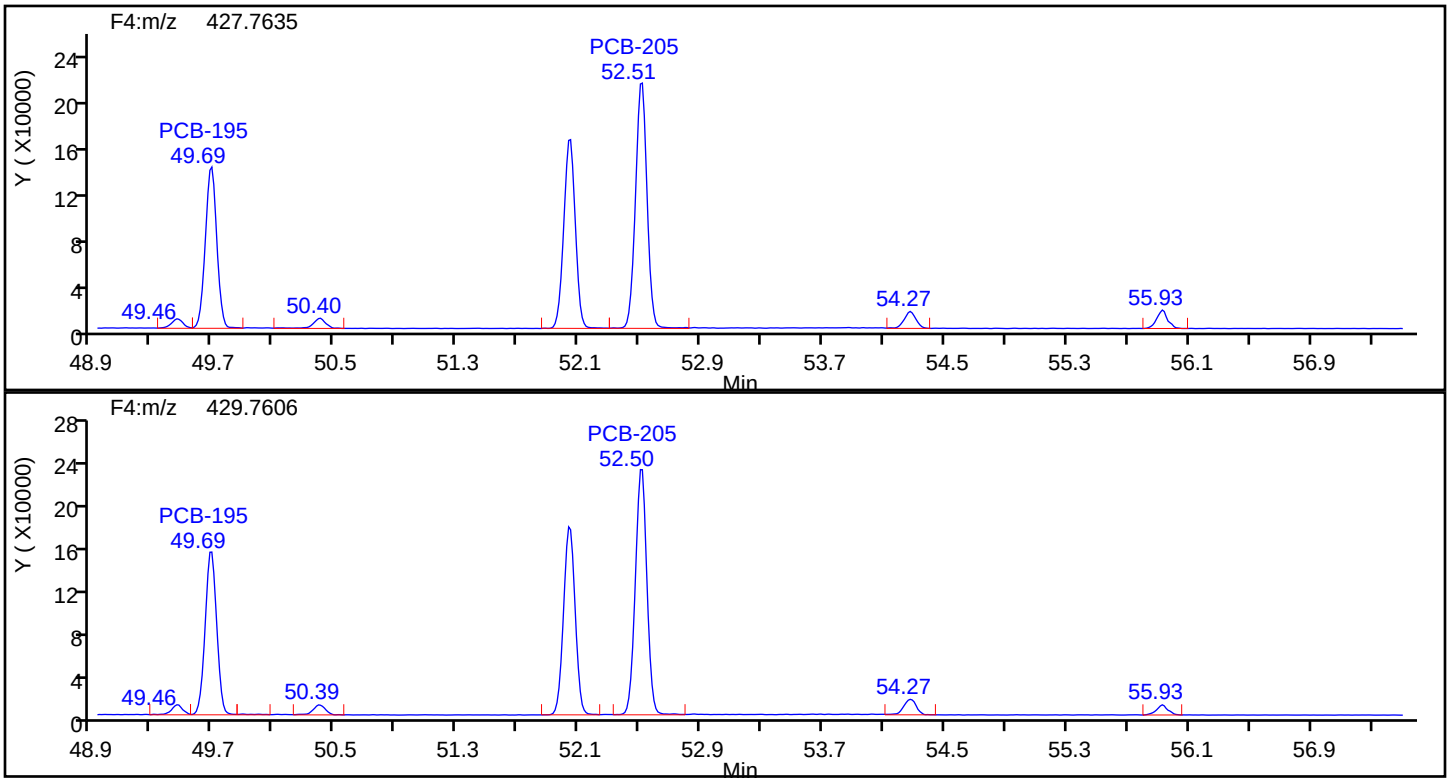
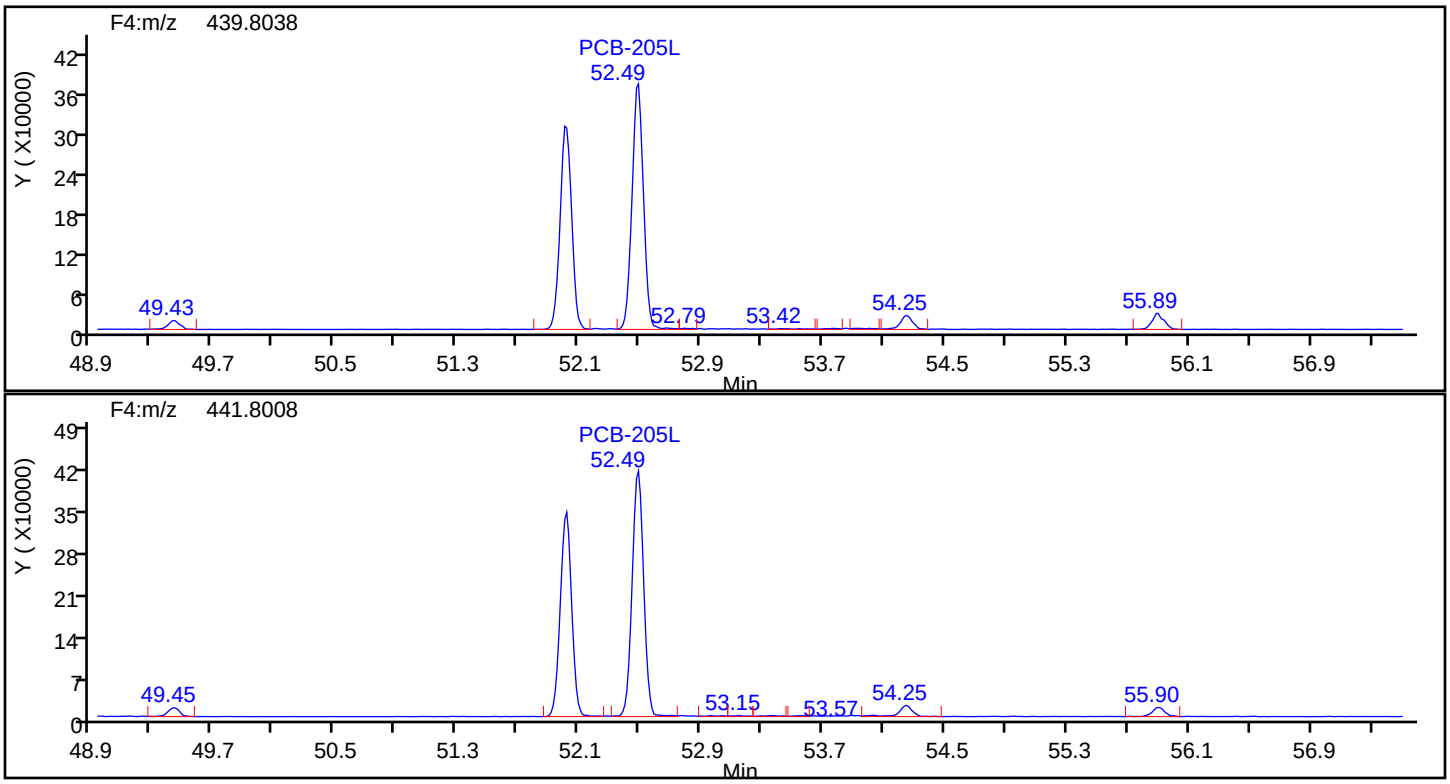
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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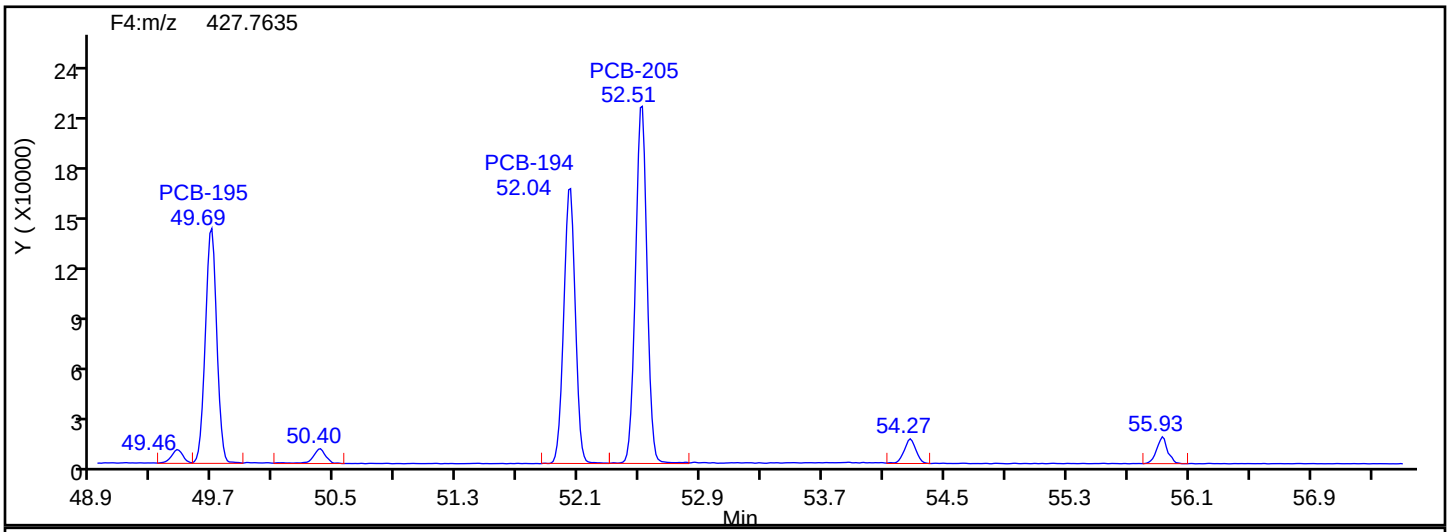
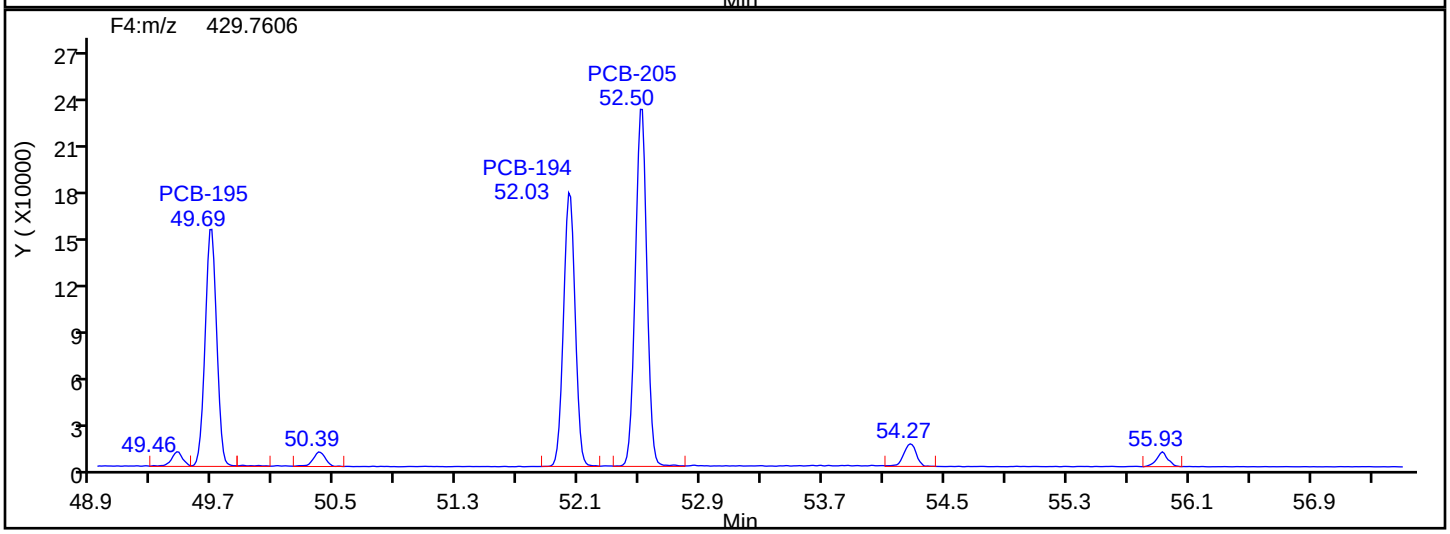
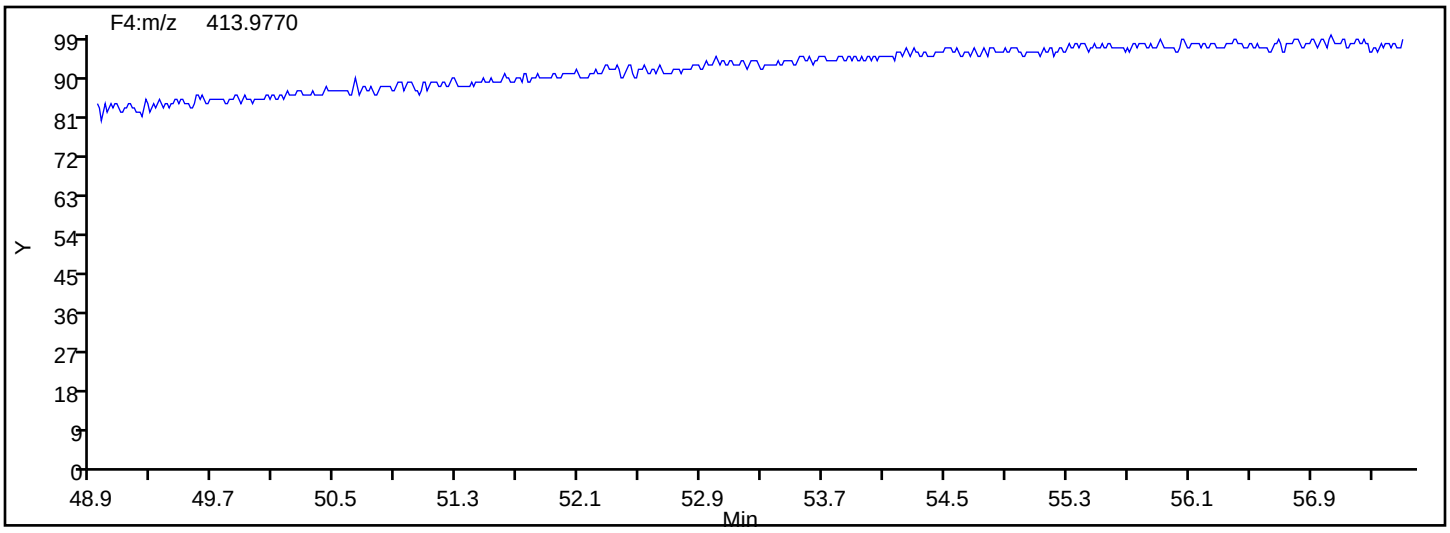
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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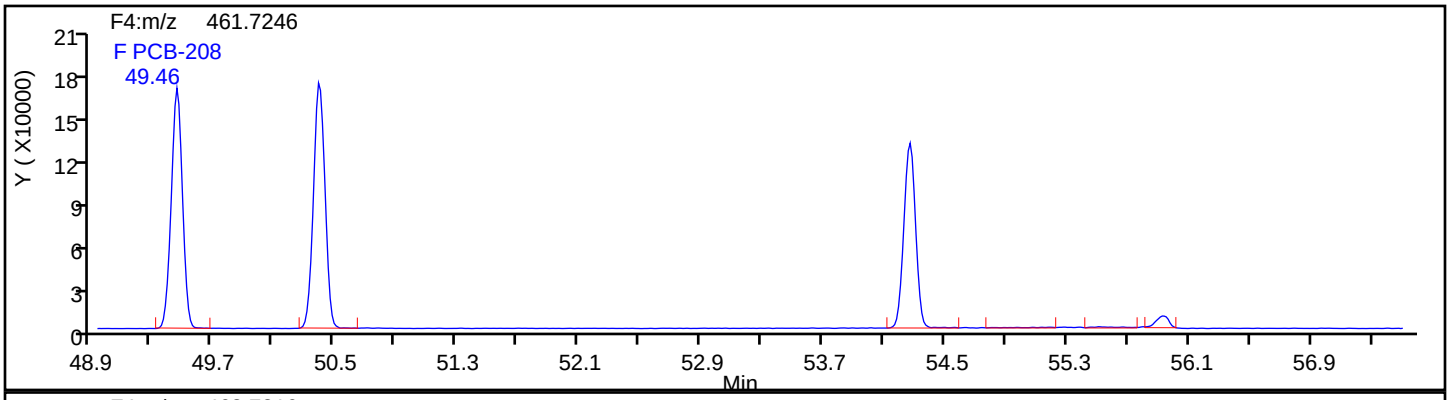
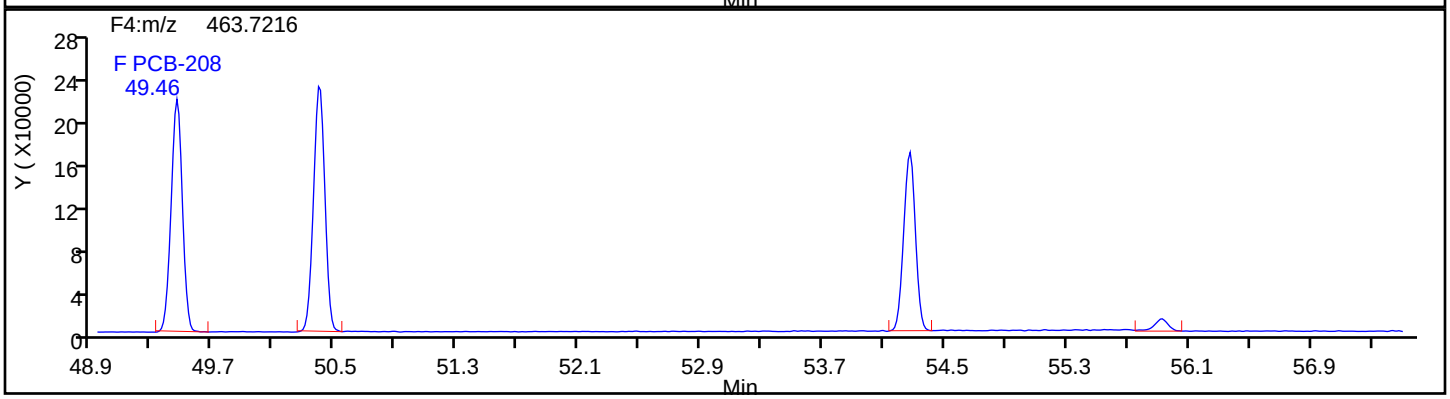
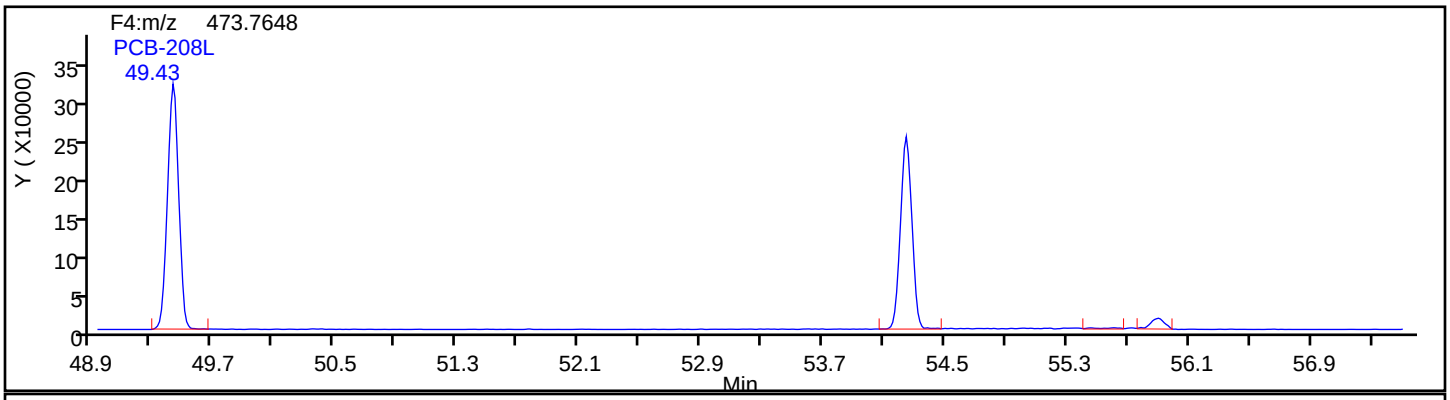
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

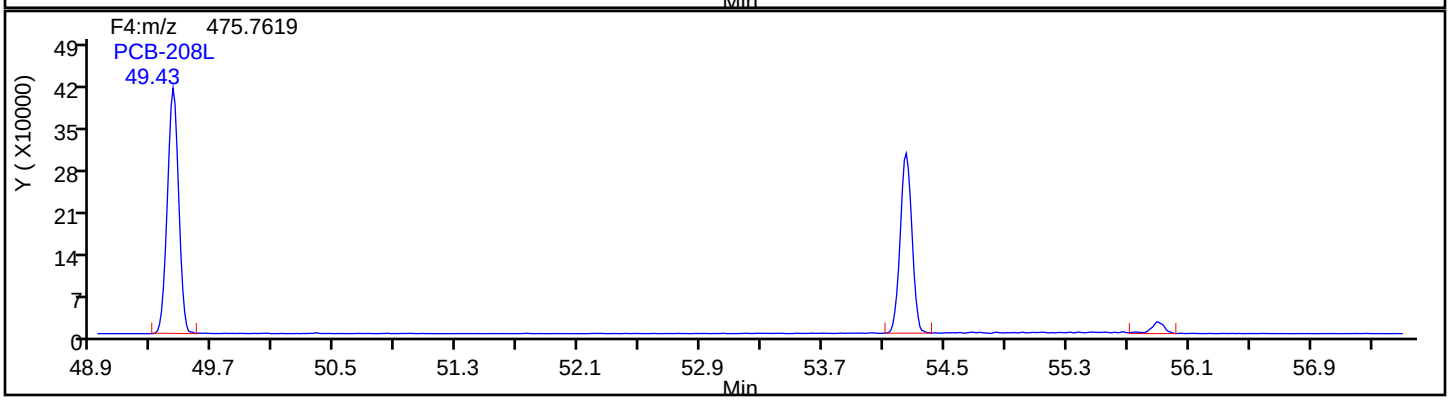
NoPCB F4




NoPCB F4 Standards



Report Date: 30-Aug-2019 11:37:44 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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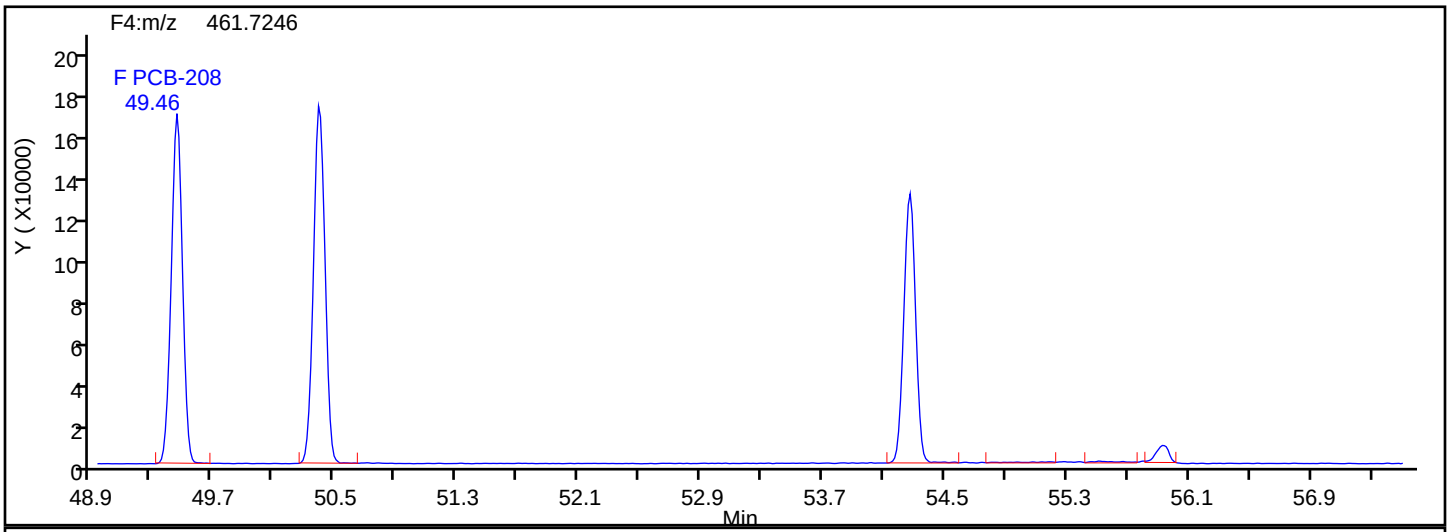
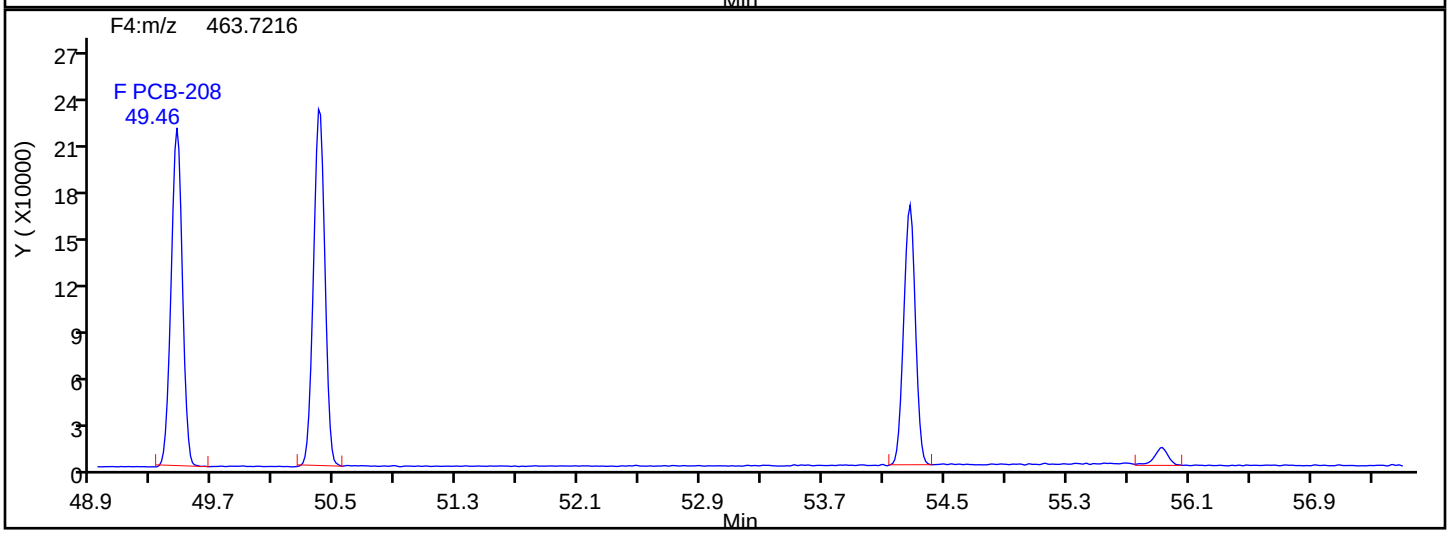
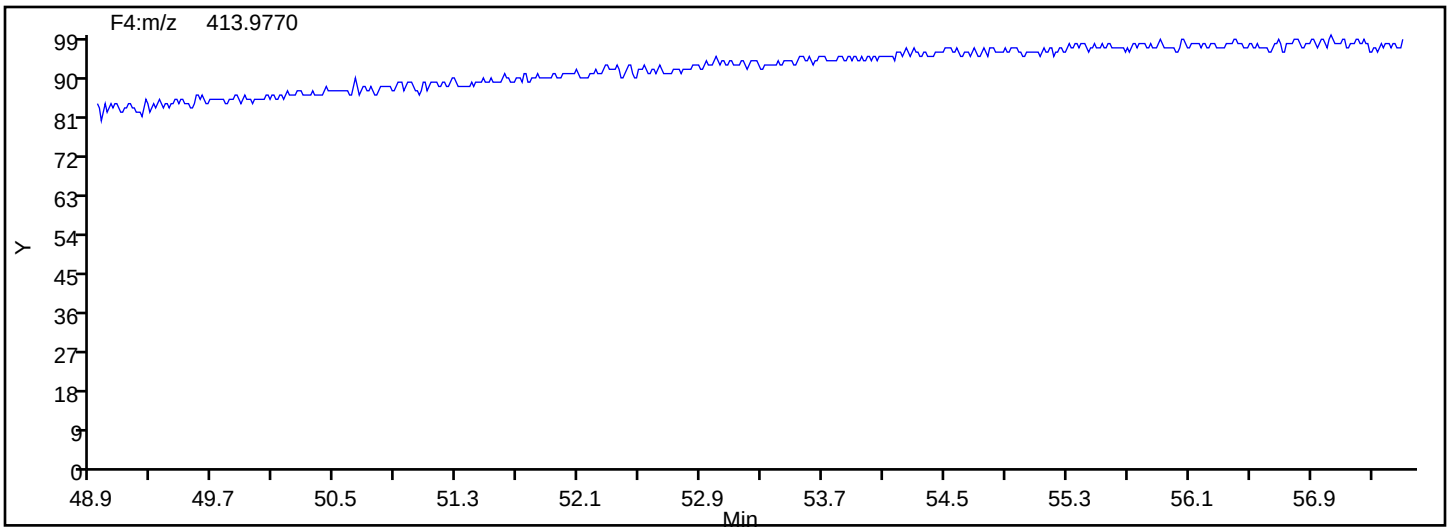
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Report Date: 30-Aug-2019 11:37:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

| | | | |
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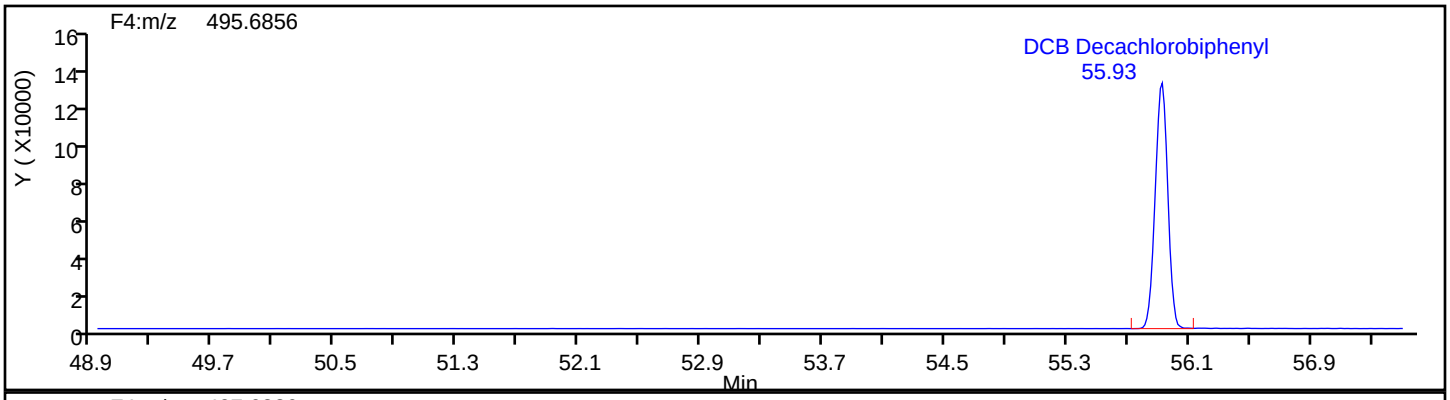
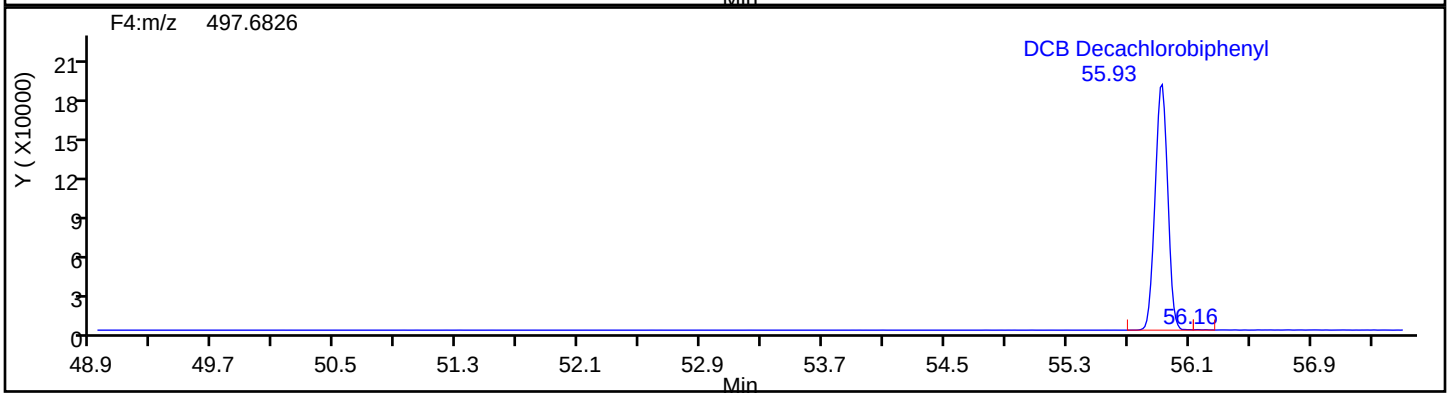
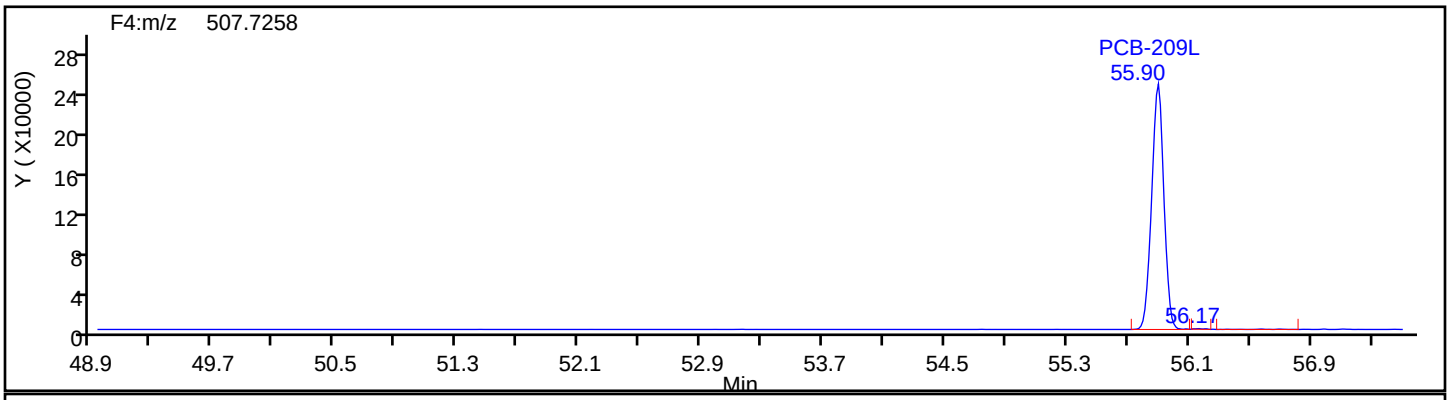
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

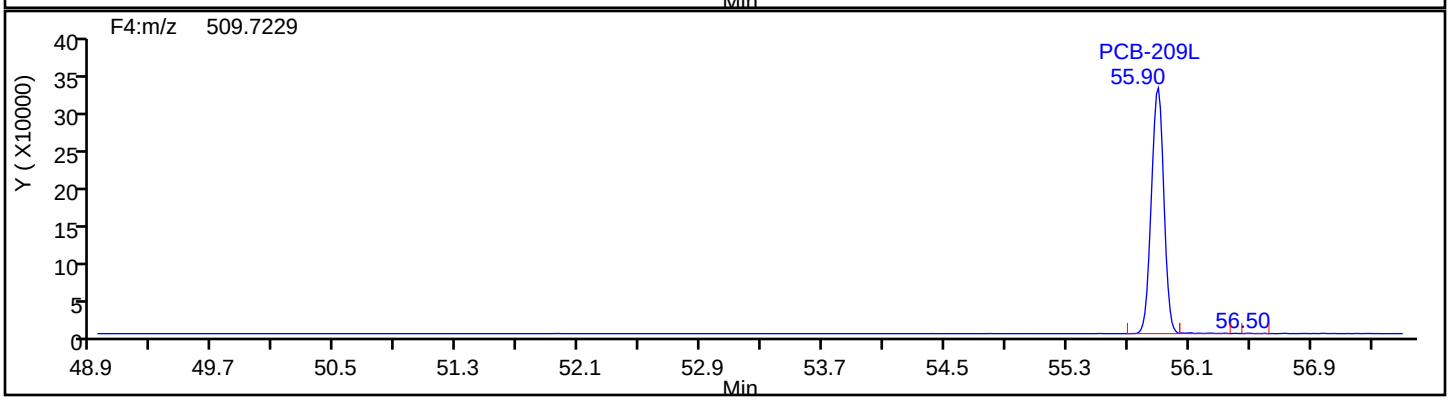
DePCB F4




DePCB F4 Standards



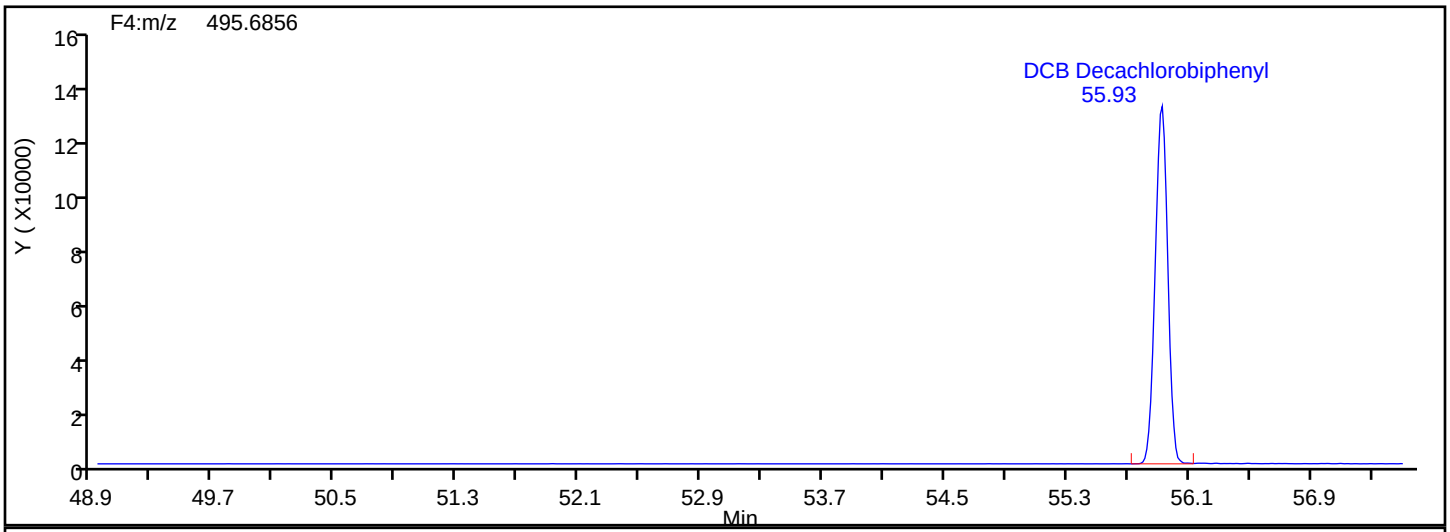
Report Date: 30-Aug-2019 11:37:45 Chrom Revision: 2.3 22-Aug-2019 12:55:36

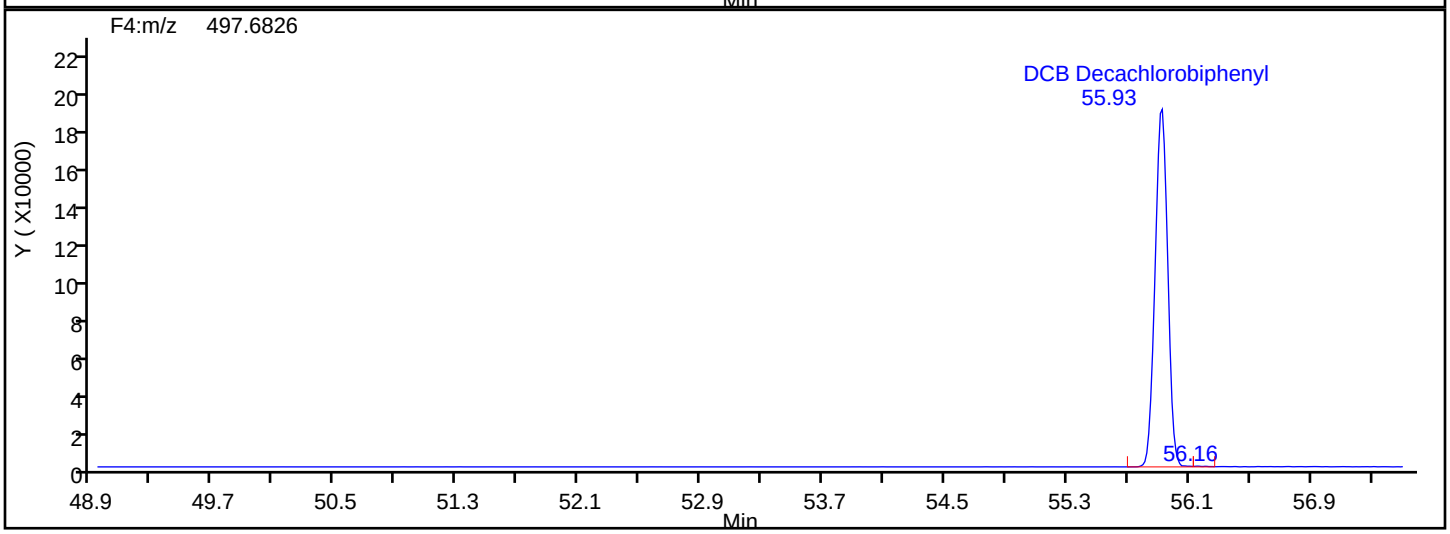
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i4.d

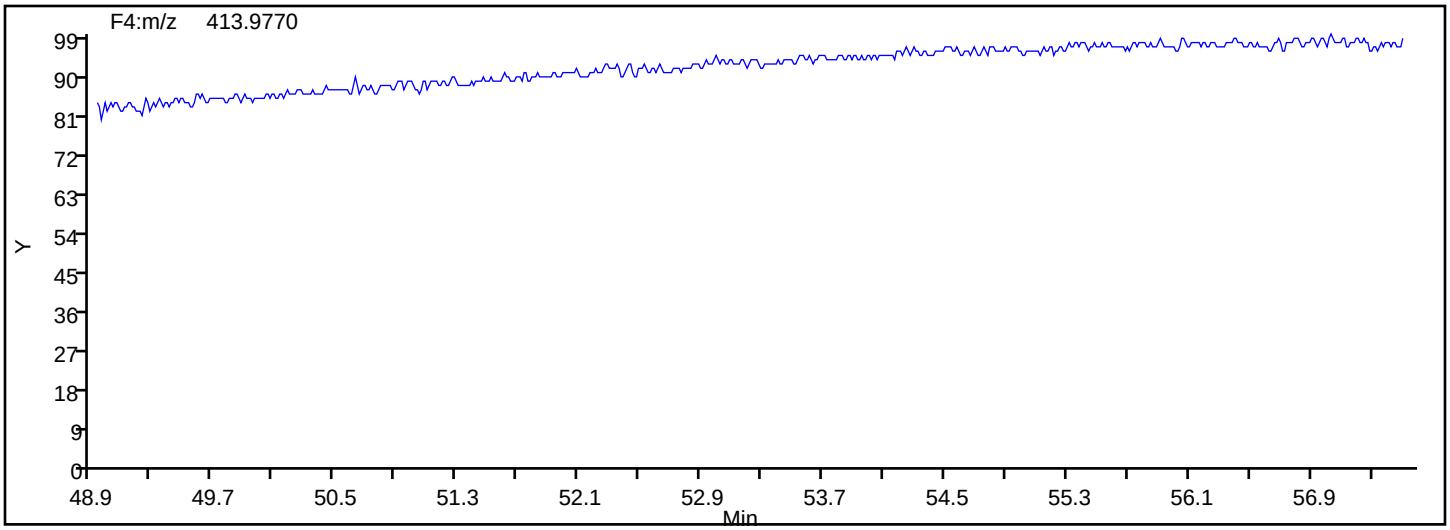
| | | | |
|---|---|---|---|
| Injection Date: | 21-Aug-2019 17:01:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 4 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Aug-2019 18:03:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-005
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:38:18 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: mcwhirterl Date: 21-Aug-2019 20:05:07

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 1140.4 | 1140.4 | 1.009 | 1.009 | | |
| D PCB-1L | 11:47 | 5433135 | 3.09 | 1.3140 | 99.6 | 99.6 | 0.3022 | 0.3022 | 99.65 | |
| D PCB-3L | 13:57 | 5707701 | 3.16 | 1.3615 | 101.0 | 101.0 | 0.2916 | 0.2916 | 101 | |
| PCB-1 | 11:48 | 24867266 | 3.21 | 1.1883 | 385.2 | 385.2 | 0.9580 | 0.9580 | 96.30 | |
| PCB-2 | 13:47 | 25660641 | 3.20 | 1.1911 | 386.8 | 386.8 | 1.012 | 1.012 | 96.69 | |
| PCB-3 | 13:58 | 25508195 | 3.13 | 1.2130 | 368.4 | 368.4 | 1.056 | 1.056 | 92.11 | |
| S Total Dichlorobiphenyls | | | | | 4417.5 | 4417.5 | 0.0294 | 0.0294 | | |
| D PCB-4L | 14:13 | 2490238 | 1.60 | 0.5996 | 100.1 | 100.1 | 0.2070 | 0.2070 | 100 | |
| * PCB-9L | 16:10 | 4149339 | 1.57 | 4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-8L | 17:00 | 16161411 | 1.56 | 1.3085 | 354.8 | 354.8 | 0.1197 | 0.1197 | 88.71 | |
| D PCB-15L | 20:06 | 4470951 | 1.66 | 1.0280 | 104.8 | 104.8 | 0.1207 | 0.1207 | 105 | |
| PCB-4 | 14:13 | 11916144 | 1.56 | 1.2533 | 381.8 | 381.8 | 0.0431 | 0.0431 | 95.45 | |
| PCB-10 | 14:24 | 19262938 | 1.57 | 1.4828 | 373.2 | 373.2 | 0.0301 | 0.0301 | 93.31 | |
| PCB-9 | 16:12 | 18258481 | 1.56 | 1.4200 | 369.4 | 369.4 | 0.0314 | 0.0314 | 92.36 | |
| PCB-7 | 16:21 | 20883781 | 1.57 | 1.6244 | 369.4 | 369.4 | 0.0275 | 0.0275 | 92.34 | |
| PCB-6 | 16:35 | 19710653 | 1.57 | 1.5539 | 364.4 | 364.4 | 0.0287 | 0.0287 | 91.11 | |
| PCB-5 | 16:54 | 19933349 | 1.57 | 1.5606 | 367.0 | 367.0 | 0.0286 | 0.0286 | 91.74 | |
| PCB-8 | 17:02 | 20674754 | 1.57 | 1.5884 | 374.0 | 374.0 | 0.0281 | 0.0281 | 93.49 | |
| PCB-14 | 18:39 | 23849335 | 1.58 | 1.8738 | 365.7 | 365.7 | 0.0238 | 0.0238 | 91.42 | |
| PCB-11 | 19:29 | 20497777 | 1.57 | 1.6347 | 360.3 | 360.3 | 0.0273 | 0.0273 | 90.07 | |
| PCB-12 | 19:49 | 41865532 | 1.58 | 1.6410 | 733.0 | 733.0 | 0.0272 | 0.0272 | 91.62 | |
| PCB-13 (C12) | 19:49 | 41865532 | 1.58 | 1.6410 | 733.0 | 733.0 | 0.0272 | 0.0272 | 91.62 | |
| PCB-15 | 20:06 | 22528547 | 1.57 | 1.4024 | 359.3 | 359.3 | 0.0271 | 0.0271 | 89.82 | |
| S Total Trichlorobiphenyl | | | | | 8703.4 | 8703.4 | 1.258 | 1.258 | | |
| D PCB-19L | 17:19 | 1413720 | 1.02 | 0.6095 | 101.9 | 101.9 | 0.4457 | 0.4457 | 102 | |
| * PCB-32L | 20:35 | 2276911 | 1.05 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:50 | 7205426 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:08 | 27642704 | 1.06 | 1.0975 | 349.5 | 349.5 | 0.1574 | 0.1574 | 87.39 | |
| D PCB-37L | 27:08 | 6649635 | 1.05 | 0.9024 | 102.3 | 102.3 | 0.1914 | 0.1914 | 102 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:20 | 7172394 | 1.08 | 1.3047 | 388.8 | 388.8 | 0.0288 | 0.0288 | 97.21 | |
| PCB-18 | 19:11 | 19382395 | 1.07 | 1.8188 | 753.8 | 753.8 | 0.0207 | 0.0207 | 94.23 | |
| PCB-30 (C18) | 19:11 | 19382395 | 1.07 | 1.8188 | 753.8 | 753.8 | 0.0207 | 0.0207 | 94.23 | |
| PCB-17 | 19:37 | 8457362 | 1.08 | 1.5641 | 382.5 | 382.5 | 0.0240 | 0.0240 | 95.62 | |
| PCB-27 | 19:50 | 11944362 | 1.08 | 2.1680 | 389.7 | 389.7 | 0.0173 | 0.0173 | 97.43 | |
| PCB-24 | 19:58 | 11083648 | 1.07 | 2.1018 | 373.0 | 373.0 | 0.0179 | 0.0179 | 93.25 | |
| PCB-16 | 20:05 | 6781223 | 1.09 | 1.2260 | 391.2 | 391.2 | 0.0307 | 0.0307 | 97.81 | |
| PCB-32 | 20:35 | 12298317 | 1.08 | 2.3416 | 371.5 | 371.5 | 0.0161 | 0.0161 | 92.88 | |
| PCB-34 | 21:51 | 28976053 | 1.06 | 1.2154 | 358.5 | 358.5 | 2.068 | 2.068 | 89.63 | |
| PCB-23 | 22:00 | 29853326 | 1.06 | 1.2675 | 354.2 | 354.2 | 1.983 | 1.983 | 88.55 | |
| PCB-26 | 22:19 | 61432493 | 1.07 | 1.3193 | 700.3 | 700.3 | 1.905 | 1.905 | 87.53 | |
| PCB-29 (C26) | 22:19 | 61432493 | 1.07 | 1.3193 | 700.3 | 700.3 | 1.905 | 1.905 | 87.53 | |
| PCB-25 | 22:33 | 31411834 | 1.06 | 1.3523 | 349.3 | 349.3 | 1.859 | 1.859 | 87.33 | |
| PCB-31 | 22:51 | 31769902 | 1.06 | 1.3809 | 346.0 | 346.0 | 1.820 | 1.820 | 86.50 | |
| PCB-20 | 23:10 | 61502862 | 1.06 | 1.3057 | 708.3 | 708.3 | 1.925 | 1.925 | 88.54 | |
| PCB-28 (C20) | 23:10 | 61502862 | 1.06 | 1.3057 | 708.3 | 708.3 | 1.925 | 1.925 | 88.54 | |
| PCB-21 | 23:24 | 65062043 | 1.08 | 1.3777 | 710.2 | 710.2 | 1.825 | 1.825 | 88.78 | |
| PCB-33 (C21) | 23:24 | 65062043 | 1.08 | 1.3777 | 710.2 | 710.2 | 1.825 | 1.825 | 88.78 | |
| PCB-22 | 23:47 | 28897362 | 1.07 | 1.2430 | 349.6 | 349.6 | 2.022 | 2.022 | 87.40 | |
| PCB-36 | 25:21 | 31776768 | 1.07 | 1.3468 | 354.8 | 354.8 | 1.866 | 1.866 | 88.70 | Ma |
| PCB-39 | 25:42 | 33000163 | 1.07 | 1.3970 | 355.2 | 355.2 | 1.799 | 1.799 | 88.81 | |
| PCB-38 | 26:17 | 30847733 | 1.07 | 1.3177 | 352.1 | 352.1 | 1.908 | 1.908 | 88.02 | Ma |
| PCB-35 | 26:45 | 29042243 | 1.07 | 1.2166 | 359.0 | 359.0 | 2.066 | 2.066 | 89.74 | Ma |
| PCB-37 | 27:09 | 30420237 | 1.06 | 1.2879 | 355.2 | 355.2 | 1.952 | 1.952 | 88.80 | |
| S Total Tetrachlorobiphen | | | | | 14687 | 14687 | 1.751 | 1.751 | | |
| D PCB-54L | 20:24 | 1486094 | 0.80 | 0.6515 | 100.2 | 100.2 | 0.0723 | 0.0723 | 100 | |
| * PCB-52L | 24:58 | 4116135 | 0.78 | 3.9E+04 | 100.0 | 100.0 | | | | |
| $ PCB-79L | 32:54 | 22619005 | 0.81 | 1.1239 | 377.7 | 377.7 | 0.1623 | 0.1623 | 94.42 | |
| D PCB-81L | 33:55 | 5212831 | 0.79 | 1.2328 | 102.7 | 102.7 | 0.1703 | 0.1703 | 103 | |
| D PCB-77L | 34:28 | 5444032 | 0.80 | 1.2523 | 105.6 | 105.6 | 0.1677 | 0.1677 | 106 | |
| PCB-54 | 20:25 | 7101900 | 0.79 | 1.2558 | 380.5 | 380.5 | 0.0201 | 0.0201 | 95.14 | |
| PCB-50 | 22:36 | 35613667 | 0.78 | 0.9362 | 713.9 | 713.9 | 2.258 | 2.258 | 89.24 | |
| PCB-53 (C50) | 22:36 | 35613667 | 0.78 | 0.9362 | 713.9 | 713.9 | 2.258 | 2.258 | 89.24 | |
| PCB-45 | 23:20 | 34199279 | 0.79 | 0.8850 | 725.2 | 725.2 | 2.388 | 2.388 | 90.65 | Ma |
| PCB-51 (C45) | 23:20 | 34199279 | 0.79 | 0.8850 | 725.2 | 725.2 | 2.388 | 2.388 | 90.65 | Ma |
| PCB-46 | 23:34 | 14561053 | 0.79 | 0.7591 | 360.0 | 360.0 | 2.784 | 2.784 | 90.00 | |
| PCB-52 | 25:00 | 17028661 | 0.80 | 0.8992 | 355.4 | 355.4 | 2.350 | 2.350 | 88.85 | Ma |
| PCB-43 | 25:08 | 37721085 | 0.80 | 0.9993 | 708.4 | 708.4 | 2.115 | 2.115 | 88.55 | Ma |
| PCB-73 (C43) | 25:08 | 37721085 | 0.80 | 0.9993 | 708.4 | 708.4 | 2.115 | 2.115 | 88.55 | Ma |
| PCB-49 | 25:27 | 42362396 | 0.79 | 1.1366 | 699.5 | 699.5 | 1.860 | 1.860 | 87.44 | Ma |
| PCB-69 (C49) | 25:27 | 42362396 | 0.79 | 1.1366 | 699.5 | 699.5 | 1.860 | 1.860 | 87.44 | Ma |
| PCB-48 | 25:46 | 17668528 | 0.79 | 0.9454 | 350.7 | 350.7 | 2.236 | 2.236 | 87.69 | |
| PCB-44 | 26:01 | 56851328 | 0.78 | 1.0323 | 1033.6 | 1033.6 | 2.047 | 2.047 | 86.13 | |
| PCB-47 (C44) | 26:01 | 56851328 | 0.78 | 1.0323 | 1033.6 | 1033.6 | 2.047 | 2.047 | 86.13 | |
| PCB-65 (C44) | 26:01 | 56851328 | 0.78 | 1.0323 | 1033.6 | 1033.6 | 2.047 | 2.047 | 86.13 | |
| PCB-59 | 26:18 | 76023540 | 0.77 | 1.3609 | 1048.4 | 1048.4 | 1.553 | 1.553 | 87.36 | |
| PCB-62 (C59) | 26:18 | 76023540 | 0.77 | 1.3609 | 1048.4 | 1048.4 | 1.553 | 1.553 | 87.36 | |
| PCB-75 (C59) | 26:18 | 76023540 | 0.77 | 1.3609 | 1048.4 | 1048.4 | 1.553 | 1.553 | 87.36 | |
| PCB-42 | 26:31 | 16308589 | 0.79 | 0.8670 | 353.0 | 353.0 | 2.438 | 2.438 | 88.25 | |
| PCB-40 | 27:01 | 50936397 | 0.78 | 0.9179 | 1041.4 | 1041.4 | 2.303 | 2.303 | 86.79 | Ma |
| PCB-41 (C40) | 27:01 | 50936397 | 0.78 | 0.9179 | 1041.4 | 1041.4 | 2.303 | 2.303 | 86.79 | Ma |
| PCB-71 (C40) | 27:01 | 50936397 | 0.78 | 0.9179 | 1041.4 | 1041.4 | 2.303 | 2.303 | 86.79 | Ma |
| PCB-64 | 27:14 | 26059913 | 0.79 | 1.4164 | 345.3 | 345.3 | 1.492 | 1.492 | 86.32 | |
| PCB-72 | 28:04 | 24624423 | 0.79 | 1.3157 | 351.2 | 351.2 | 1.606 | 1.606 | 87.81 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:22 | 27061566 | 0.76 | 1.4782 | 343.6 | 343.6 | 1.430 | 1.430 | 85.89 | |
| PCB-57 | 28:47 | 23547774 | 0.78 | 1.2817 | 344.8 | 344.8 | 1.649 | 1.649 | 86.20 | |
| PCB-58 | 29:01 | 24819728 | 0.79 | 1.3214 | 352.5 | 352.5 | 1.600 | 1.600 | 88.13 | |
| PCB-67 | 29:11 | 26238720 | 0.79 | 1.3944 | 353.1 | 353.1 | 1.516 | 1.516 | 88.28 | |
| PCB-63 | 29:27 | 26996836 | 0.78 | 1.4685 | 345.0 | 345.0 | 1.439 | 1.439 | 86.26 | |
| PCB-61 | 29:47 | 100441027 | 0.78 | 1.3565 | 1389.6 | 1389.6 | 1.558 | 1.558 | 86.85 | |
| PCB-70 (C61) | 29:47 | 100441027 | 0.78 | 1.3565 | 1389.6 | 1389.6 | 1.558 | 1.558 | 86.85 | |
| PCB-74 (C61) | 29:47 | 100441027 | 0.78 | 1.3565 | 1389.6 | 1389.6 | 1.558 | 1.558 | 86.85 | |
| PCB-76 (C61) | 29:47 | 100441027 | 0.78 | 1.3565 | 1389.6 | 1389.6 | 1.558 | 1.558 | 86.85 | |
| PCB-66 | 30:06 | 23022529 | 0.79 | 1.2800 | 337.6 | 337.6 | 1.651 | 1.651 | 84.39 | |
| PCB-55 | 30:16 | 23666262 | 0.78 | 1.2951 | 342.9 | 342.9 | 1.632 | 1.632 | 85.73 | |
| PCB-56 | 30:47 | 23083523 | 0.79 | 1.2671 | 341.9 | 341.9 | 1.668 | 1.668 | 85.47 | |
| PCB-60 | 30:59 | 24120394 | 0.79 | 1.3288 | 340.7 | 340.7 | 1.591 | 1.591 | 85.16 | |
| PCB-80 | 31:25 | 26961704 | 0.79 | 1.4694 | 344.4 | 344.4 | 1.438 | 1.438 | 86.09 | Ma |
| PCB-79 | 32:56 | 29655368 | 0.79 | 1.5421 | 360.9 | 360.9 | 1.371 | 1.371 | 90.23 | |
| PCB-78 | 33:29 | 22996840 | 0.79 | 1.3150 | 328.2 | 328.2 | 1.607 | 1.607 | 82.05 | |
| PCB-81 | 33:55 | 24498603 | 0.79 | 1.3214 | 355.7 | 355.7 | 1.603 | 1.603 | 88.91 | |
| PCB-77 | 34:29 | 24571433 | 0.79 | 1.3308 | 339.2 | 339.2 | 1.585 | 1.585 | 84.79 | |
| S Total Pentachlorobiphen | | | | | 16770 | 16770 | 0.9027 | 0.9027 | | |
| D PCB-104L | 25:55 | 3866938 | 1.61 | 1.1164 | 95.7 | 95.7 | 0.0242 | 0.0242 | 95.66 | |
| $ PCB-95L | 28:53 | 11390476 | 1.59 | 0.7770 | 379.1 | 379.1 | 0.0314 | 0.0314 | 94.78 | |
| * PCB-101L | 31:50 | 3620835 | 1.63 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:32 | 15937020 | 1.56 | 1.2177 | 361.5 | 361.5 | 0.0222 | 0.0222 | 90.36 | |
| D PCB-123L | 36:30 | 5036450 | 1.61 | 0.9909 | 98.8 | 98.8 | 0.8782 | 0.8782 | 98.76 | |
| D PCB-118L | 36:49 | 5245495 | 1.59 | 1.0256 | 99.4 | 99.4 | 0.8485 | 0.8485 | 99.38 | |
| D PCB-114L | 37:21 | 5033756 | 1.61 | 1.0030 | 97.5 | 97.5 | 0.8676 | 0.8676 | 97.52 | |
| D PCB-105L | 37:59 | 5077289 | 1.58 | 1.0013 | 98.5 | 98.5 | 0.8691 | 0.8691 | 98.53 | |
| * PCB-127L | 39:29 | 5146603 | 1.60 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:05 | 4614032 | 1.59 | 0.9020 | 99.4 | 99.4 | 0.9648 | 0.9648 | 99.39 | |
| PCB-104 | 25:57 | 19939816 | 1.56 | 1.3926 | 370.3 | 370.3 | 0.0143 | 0.0143 | 92.57 | |
| PCB-96 | 26:18 | 18131068 | 1.56 | 1.2268 | 382.2 | 382.2 | 0.0163 | 0.0163 | 95.55 | |
| PCB-103 | 28:16 | 14731733 | 1.56 | 1.0331 | 368.8 | 368.8 | 0.0193 | 0.0193 | 92.19 | |
| PCB-94 | 28:29 | 13120797 | 1.55 | 0.9036 | 375.5 | 375.5 | 0.0221 | 0.0221 | 93.87 | |
| PCB-95 | 28:55 | 14057651 | 1.55 | 0.9620 | 377.9 | 377.9 | 0.0207 | 0.0207 | 94.47 | |
| PCB-93 | 29:08 | 27602418 | 1.57 | 0.9806 | 727.9 | 727.9 | 0.0204 | 0.0204 | 90.99 | |
| PCB-100 (C93) | 29:08 | 27602418 | 1.57 | 0.9806 | 727.9 | 727.9 | 0.0204 | 0.0204 | 90.99 | |
| PCB-98 | 29:17 | 28205854 | 1.55 | 0.9888 | 737.7 | 737.7 | 0.0202 | 0.0202 | 92.21 | Ma |
| PCB-102 (C98) | 29:17 | 28205854 | 1.55 | 0.9888 | 737.7 | 737.7 | 0.0202 | 0.0202 | 92.21 | Ma |
| PCB-88 | 29:47 | 28749469 | 1.56 | 1.0052 | 739.6 | 739.6 | 0.0199 | 0.0199 | 92.45 | M |
| PCB-91 (C88) | 29:47 | 28749469 | 1.56 | 1.0052 | 739.6 | 739.6 | 0.0199 | 0.0199 | 92.45 | M |
| PCB-84 | 30:00 | 11979007 | 1.56 | 0.8601 | 360.2 | 360.2 | 0.0232 | 0.0232 | 90.04 | |
| PCB-89 | 30:29 | 12755151 | 1.56 | 0.8936 | 369.1 | 369.1 | 0.0223 | 0.0223 | 92.28 | |
| PCB-121 | 30:54 | 19367352 | 1.56 | 1.3971 | 358.5 | 358.5 | 0.0143 | 0.0143 | 89.62 | |
| PCB-92 | 31:17 | 13505587 | 1.57 | 0.9532 | 366.4 | 366.4 | 0.0209 | 0.0209 | 91.60 | |
| PCB-90 | 31:51 | 47500483 | 1.57 | 1.1367 | 1080.7 | 1080.7 | 0.0176 | 0.0176 | 90.06 | |
| PCB-101 (C90) | 31:51 | 47500483 | 1.57 | 1.1367 | 1080.7 | 1080.7 | 0.0176 | 0.0176 | 90.06 | |
| PCB-113 (C90) | 31:51 | 47500483 | 1.57 | 1.1367 | 1080.7 | 1080.7 | 0.0176 | 0.0176 | 90.06 | |
| PCB-83 | 32:27 | 27368672 | 1.55 | 0.9393 | 753.5 | 753.5 | 0.0213 | 0.0213 | 94.18 | |
| PCB-99 (C83) | 32:27 | 27368672 | 1.55 | 0.9393 | 753.5 | 753.5 | 0.0213 | 0.0213 | 94.18 | |
| PCB-112 | 32:34 | 19309969 | 1.55 | 1.3672 | 365.2 | 365.2 | 0.0146 | 0.0146 | 91.31 | |
| PCB-86 | 32:56 | 99803745 | 1.59 | 1.1958 | 2158.4 | 2158.4 | 0.0167 | 0.0167 | 89.93 | Ma |
| PCB-87 (C86) | 32:56 | 99803745 | 1.59 | 1.1958 | 2158.4 | 2158.4 | 0.0167 | 0.0167 | 89.93 | Ma |
| PCB-97 (C86) | 32:56 | 99803745 | 1.59 | 1.1958 | 2158.4 | 2158.4 | 0.0167 | 0.0167 | 89.93 | Ma |
| PCB-109 (C86) | 32:56 | 99803745 | 1.59 | 1.1958 | 2158.4 | 2158.4 | 0.0167 | 0.0167 | 89.93 | Ma |
| PCB-119 (C86) | 32:56 | 99803745 | 1.59 | 1.1958 | 2158.4 | 2158.4 | 0.0167 | 0.0167 | 89.93 | Ma |
| PCB-125 (C86) | 32:56 | 99803745 | 1.59 | 1.1958 | 2158.4 | 2158.4 | 0.0167 | 0.0167 | 89.93 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:40 | 50236356 | 1.56 | 1.2126 | 1071.3 | 1071.3 | 0.0165 | 0.0165 | 89.28 | |
| PCB-116 (C85) | 33:40 | 50236356 | 1.56 | 1.2126 | 1071.3 | 1071.3 | 0.0165 | 0.0165 | 89.28 | |
| PCB-117 (C85) | 33:40 | 50236356 | 1.56 | 1.2126 | 1071.3 | 1071.3 | 0.0165 | 0.0165 | 89.28 | |
| PCB-110 | 33:55 | 37499797 | 1.55 | 1.3511 | 717.8 | 717.8 | 0.0148 | 0.0148 | 89.72 | |
| PCB-115 (C110) | 33:55 | 37499797 | 1.55 | 1.3511 | 717.8 | 717.8 | 0.0148 | 0.0148 | 89.72 | |
| PCB-82 | 34:09 | 12370504 | 1.57 | 0.8675 | 368.8 | 368.8 | 0.0230 | 0.0230 | 92.19 | |
| PCB-111 | 34:33 | 20332928 | 1.55 | 1.4262 | 368.7 | 368.7 | 0.0140 | 0.0140 | 92.17 | |
| PCB-120 | 35:01 | 20800013 | 1.55 | 1.4907 | 360.8 | 360.8 | 0.0134 | 0.0134 | 90.21 | |
| PCB-108 | 36:09 | 44827418 | 1.58 | 1.2547 | 714.4 | 714.4 | 2.849 | 2.849 | 89.30 | |
| PCB-124 (C108) | 36:09 | 44827418 | 1.58 | 1.2547 | 714.4 | 714.4 | 2.849 | 2.849 | 89.30 | |
| PCB-107 | 36:23 | 25693980 | 1.54 | 1.3580 | 378.3 | 378.3 | 2.632 | 2.632 | 94.58 | |
| PCB-123 | 36:30 | 24778487 | 1.54 | 1.3407 | 367.0 | 367.0 | 2.576 | 2.576 | 91.74 | |
| PCB-106 | 36:38 | 22649655 | 1.55 | 1.2749 | 355.2 | 355.2 | 2.804 | 2.804 | 88.81 | |
| PCB-118 | 36:50 | 24649157 | 1.55 | 1.2892 | 364.5 | 364.5 | 2.683 | 2.683 | 91.13 | |
| PCB-122 | 37:10 | 20861320 | 1.55 | 1.1614 | 359.2 | 359.2 | 3.078 | 3.078 | 89.79 | |
| PCB-114 | 37:22 | 25405514 | 1.55 | 1.4051 | 359.2 | 359.2 | 2.524 | 2.524 | 89.80 | |
| PCB-105 | 38:01 | 23332202 | 1.59 | 1.2887 | 356.6 | 356.6 | 2.719 | 2.719 | 89.15 | |
| PCB-127 | 39:29 | 23929718 | 1.55 | 1.2841 | 372.6 | 372.6 | 2.784 | 2.784 | 93.15 | |
| PCB-126 | 41:06 | 22540837 | 1.55 | 1.3416 | 364.1 | 364.1 | 2.949 | 2.949 | 91.04 | |
| S Total Hexachlorobipheny | | | | | 15344 | 15344 | 0.7578 | 0.7578 | | |
| D PCB-155L | 31:37 | 3225807 | 1.25 | 0.9499 | 93.8 | 93.8 | 0.0413 | 0.0413 | 93.79 | |
| $ PCB-153L | 38:42 | 15731242 | 1.25 | 0.9597 | 369.3 | 369.3 | 0.5061 | 0.5061 | 92.32 | |
| * PCB-138L | 39:57 | 3708832 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:58 | 4559564 | 1.27 | 1.2544 | 98.0 | 98.0 | 0.3939 | 0.3939 | 98.00 | |
| D PCB-156L | 44:07 | 9117746 | 1.27 | 1.2289 | 200.0 | 200.0 | 0.4021 | 0.4021 | 100 | |
| D PCB-157L (C156L) | 44:07 | 9117746 | 1.27 | 1.2289 | 200.0 | 200.0 | 0.4021 | 0.4021 | 100 | |
| D PCB-169L | 47:21 | 4077784 | 1.29 | 1.0883 | 101.0 | 101.0 | 0.4540 | 0.4540 | 101 | |
| PCB-155 | 31:39 | 15700173 | 1.25 | 1.3028 | 373.6 | 373.6 | 0.0158 | 0.0158 | 93.39 | |
| PCB-152 | 31:49 | 15352985 | 1.27 | 1.2556 | 379.0 | 379.0 | 0.0164 | 0.0164 | 94.76 | |
| PCB-150 | 32:00 | 15096242 | 1.26 | 1.2368 | 378.4 | 378.4 | 0.0166 | 0.0166 | 94.59 | |
| PCB-136 | 32:21 | 14233407 | 1.27 | 1.1563 | 381.6 | 381.6 | 0.0178 | 0.0178 | 95.40 | |
| PCB-145 | 32:40 | 14420939 | 1.25 | 1.1910 | 375.4 | 375.4 | 0.0172 | 0.0172 | 93.84 | |
| PCB-148 | 34:11 | 10917485 | 1.26 | 0.8982 | 376.8 | 376.8 | 0.0229 | 0.0229 | 94.20 | |
| PCB-135 | 34:46 | 20973904 | 1.26 | 0.8691 | 748.1 | 748.1 | 0.0236 | 0.0236 | 93.51 | Ma |
| PCB-151 (C135) | 34:46 | 20973904 | 1.26 | 0.8691 | 748.1 | 748.1 | 0.0236 | 0.0236 | 93.51 | Ma |
| PCB-154 | 35:02 | 12369172 | 1.27 | 1.0180 | 376.7 | 376.7 | 0.0202 | 0.0202 | 94.16 | |
| PCB-144 | 35:20 | 10930009 | 1.26 | 0.9185 | 368.9 | 368.9 | 0.0224 | 0.0224 | 92.23 | |
| PCB-147 | 35:42 | 31289518 | 1.24 | 0.9747 | 723.2 | 723.2 | 1.148 | 1.148 | 90.40 | |
| PCB-149 (C147) | 35:42 | 31289518 | 1.24 | 0.9747 | 723.2 | 723.2 | 1.148 | 1.148 | 90.40 | |
| PCB-134 | 36:00 | 27608696 | 1.24 | 0.8518 | 730.2 | 730.2 | 1.314 | 1.314 | 91.27 | |
| PCB-143 (C134) | 36:00 | 27608696 | 1.24 | 0.8518 | 730.2 | 730.2 | 1.314 | 1.314 | 91.27 | |
| PCB-139 | 36:18 | 31930694 | 1.24 | 0.9995 | 719.7 | 719.7 | 1.120 | 1.120 | 89.96 | |
| PCB-140 (C139) | 36:18 | 31930694 | 1.24 | 0.9995 | 719.7 | 719.7 | 1.120 | 1.120 | 89.96 | |
| PCB-131 | 36:30 | 14284332 | 1.23 | 0.8584 | 374.9 | 374.9 | 1.304 | 1.304 | 93.72 | |
| PCB-142 | 36:38 | 14159007 | 1.25 | 0.8597 | 371.0 | 371.0 | 1.302 | 1.302 | 92.76 | |
| PCB-132 | 36:57 | 14165338 | 1.23 | 0.8801 | 362.6 | 362.6 | 1.272 | 1.272 | 90.65 | |
| PCB-133 | 37:28 | 14743068 | 1.23 | 0.9064 | 366.4 | 366.4 | 1.235 | 1.235 | 91.61 | |
| PCB-165 | 37:52 | 18355615 | 1.24 | 1.1210 | 368.9 | 368.9 | 0.998 | 0.998 | 92.22 | |
| PCB-146 | 38:07 | 16780928 | 1.23 | 1.0084 | 374.9 | 374.9 | 1.110 | 1.110 | 93.73 | |
| PCB-161 | 38:15 | 21204828 | 1.24 | 1.3370 | 357.3 | 357.3 | 0.8371 | 0.8371 | 89.33 | |
| PCB-153 | 38:45 | 39035598 | 1.24 | 1.2207 | 720.5 | 720.5 | 0.9169 | 0.9169 | 90.06 | |
| PCB-168 (C153) | 38:45 | 39035598 | 1.24 | 1.2207 | 720.5 | 720.5 | 0.9169 | 0.9169 | 90.06 | |
| PCB-141 | 38:55 | 15660642 | 1.28 | 0.9608 | 367.2 | 367.2 | 1.165 | 1.165 | 91.80 | |
| PCB-130 | 39:20 | 13316651 | 1.24 | 0.8274 | 362.6 | 362.6 | 1.353 | 1.353 | 90.64 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:33 | 17221912 | 1.23 | 1.0582 | 366.6 | 366.6 | 1.058 | 1.058 | 91.66 | |
| PCB-164 | 39:40 | 19969941 | 1.25 | 1.2527 | 359.1 | 359.1 | 0.8934 | 0.8934 | 89.79 | |
| PCB-129 | 39:59 | 68826005 | 1.24 | 1.0840 | 1430.5 | 1430.5 | 1.032 | 1.032 | 89.40 | Ma |
| PCB-138 (C129) | 39:59 | 68826005 | 1.24 | 1.0840 | 1430.5 | 1430.5 | 1.032 | 1.032 | 89.40 | Ma |
| PCB-160 (C129) | 39:59 | 68826005 | 1.24 | 1.0840 | 1430.5 | 1430.5 | 1.032 | 1.032 | 89.40 | Ma |
| PCB-163 (C129) | 39:59 | 68826005 | 1.24 | 1.0840 | 1430.5 | 1430.5 | 1.032 | 1.032 | 89.40 | Ma |
| PCB-158 | 40:22 | 22380066 | 1.24 | 1.3862 | 363.7 | 363.7 | 0.8074 | 0.8074 | 90.93 | |
| PCB-128 | 41:13 | 35034050 | 1.23 | 1.1165 | 706.9 | 706.9 | 1.002 | 1.002 | 88.37 | |
| PCB-166 (C128) | 41:13 | 35034050 | 1.23 | 1.1165 | 706.9 | 706.9 | 1.002 | 1.002 | 88.37 | |
| PCB-159 | 42:13 | 21036748 | 1.24 | 1.3178 | 359.6 | 359.6 | 0.8493 | 0.8493 | 89.91 | |
| PCB-162 | 42:30 | 21753274 | 1.23 | 1.3623 | 359.8 | 359.8 | 0.8216 | 0.8216 | 89.94 | |
| PCB-167 | 42:59 | 22278824 | 1.24 | 1.3357 | 365.8 | 365.8 | 0.7047 | 0.7047 | 91.46 | |
| PCB-156 | 44:08 | 41120666 | 1.23 | 1.2759 | 706.9 | 706.9 | 0.9825 | 0.9825 | 88.37 | |
| PCB-157 (C156) | 44:08 | 41120666 | 1.23 | 1.2759 | 706.9 | 706.9 | 0.9825 | 0.9825 | 88.37 | |
| PCB-169 | 47:22 | 19205556 | 1.25 | 1.2825 | 367.2 | 367.2 | 0.8510 | 0.8510 | 91.81 | |
| S Total Heptachlorobiphen | | | | | 8703.2 | 8703.2 | 0.0282 | 0.0282 | | |
| D PCB-188L | 37:21 | 4217544 | 1.05 | 1.3162 | 98.9 | 98.9 | 0.0193 | 0.0193 | 98.94 | |
| $ PCB-178L | 40:24 | 11350161 | 1.06 | 0.9222 | 380.0 | 380.0 | 0.0275 | 0.0275 | 95.00 | |
| * PCB-180L | 45:31 | 3238632 | 1.06 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:46 | 2741165 | 1.07 | 0.8357 | 101.3 | 101.3 | 0.0304 | 0.0304 | 101 | |
| D PCB-189L | 49:53 | 5258583 | 1.05 | 1.4666 | 102.9 | 102.9 | 0.2400 | 0.2400 | 103 | |
| PCB-188 | 37:23 | 19128963 | 1.04 | 1.2502 | 362.8 | 362.8 | 0.0138 | 0.0138 | 90.70 | |
| PCB-179 | 37:43 | 17734130 | 1.04 | 1.4149 | 360.2 | 360.2 | 0.0151 | 0.0151 | 90.06 | |
| PCB-184 | 38:15 | 18236717 | 1.05 | 1.4191 | 369.4 | 369.4 | 0.0150 | 0.0150 | 92.34 | |
| PCB-176 | 38:36 | 19381957 | 1.04 | 1.5212 | 366.2 | 366.2 | 0.0140 | 0.0140 | 91.55 | |
| PCB-186 | 39:03 | 18342414 | 1.04 | 1.4350 | 367.4 | 367.4 | 0.0149 | 0.0149 | 91.84 | |
| PCB-178 | 40:26 | 13357159 | 1.04 | 1.0228 | 375.3 | 375.3 | 0.0209 | 0.0209 | 93.84 | |
| PCB-175 | 41:04 | 13502356 | 1.05 | 1.0690 | 363.0 | 363.0 | 0.0200 | 0.0200 | 90.76 | |
| PCB-187 | 41:21 | 14057264 | 1.04 | 1.1106 | 363.8 | 363.8 | 0.0192 | 0.0192 | 90.95 | |
| PCB-182 | 41:33 | 14372635 | 1.05 | 1.1484 | 359.7 | 359.7 | 0.0186 | 0.0186 | 89.93 | |
| PCB-183 | 41:57 | 28262842 | 1.04 | 1.1368 | 714.5 | 714.5 | 0.0188 | 0.0188 | 89.32 | Ma |
| PCB-185 (C183) | 41:57 | 28262842 | 1.04 | 1.1368 | 714.5 | 714.5 | 0.0188 | 0.0188 | 89.32 | Ma |
| PCB-174 | 42:12 | 12369667 | 1.05 | 0.9547 | 372.4 | 372.4 | 0.0224 | 0.0224 | 93.10 | |
| PCB-177 | 42:37 | 11895552 | 1.05 | 0.9426 | 362.7 | 362.7 | 0.0226 | 0.0226 | 90.68 | |
| PCB-181 | 43:01 | 13905789 | 1.05 | 1.1075 | 360.9 | 360.9 | 0.0193 | 0.0193 | 90.22 | |
| PCB-171 | 43:14 | 23901931 | 1.04 | 0.9603 | 715.3 | 715.3 | 0.0222 | 0.0222 | 89.42 | |
| PCB-173 (C171) | 43:14 | 23901931 | 1.04 | 0.9603 | 715.3 | 715.3 | 0.0222 | 0.0222 | 89.42 | |
| PCB-172 | 44:53 | 12501177 | 1.04 | 0.9918 | 362.3 | 362.3 | 0.0215 | 0.0215 | 90.57 | |
| PCB-192 | 45:10 | 16356669 | 1.05 | 1.2904 | 364.3 | 364.3 | 0.0165 | 0.0165 | 91.08 | |
| PCB-180 | 45:29 | 30783792 | 1.04 | 1.2286 | 720.1 | 720.1 | 0.0174 | 0.0174 | 90.02 | |
| PCB-193 (C180) | 45:29 | 30783792 | 1.04 | 1.2286 | 720.1 | 720.1 | 0.0174 | 0.0174 | 90.02 | |
| PCB-191 | 45:53 | 17537203 | 1.04 | 1.3848 | 364.0 | 364.0 | 0.0154 | 0.0154 | 90.99 | |
| PCB-170 | 46:48 | 12328709 | 1.06 | 1.2700 | 354.1 | 354.1 | 0.0221 | 0.0221 | 88.53 | |
| PCB-190 | 47:19 | 17263071 | 1.05 | 1.3774 | 360.2 | 360.2 | 0.0155 | 0.0155 | 90.05 | |
| PCB-189 | 49:54 | 24529116 | 1.05 | 1.2799 | 364.5 | 364.5 | 0.2280 | 0.2280 | 91.12 | |
| S Total Octachlorobipheny | | | | | 4386.9 | 4386.9 | 0.0838 | 0.0838 | | |
| D PCB-202L | 42:44 | 3244517 | 0.91 | 1.0055 | 99.6 | 99.6 | 0.0287 | 0.0287 | 99.63 | |
| * PCB-194L | 52:00 | 3484294 | 0.92 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:28 | 4529133 | 0.91 | 1.2867 | 101.0 | 101.0 | 0.1184 | 0.1184 | 101 | |
| PCB-202 | 42:45 | 12596736 | 0.91 | 1.0531 | 368.7 | 368.7 | 0.0153 | 0.0153 | 92.17 | |
| PCB-201 | 43:41 | 13854415 | 0.91 | 1.1860 | 360.0 | 360.0 | 0.0136 | 0.0136 | 90.01 | |
| PCB-204 | 44:22 | 13086230 | 0.91 | 1.1009 | 366.4 | 366.4 | 0.0147 | 0.0147 | 91.60 | |
| PCB-197 | 44:35 | 13910578 | 0.91 | 1.2053 | 355.7 | 355.7 | 0.0134 | 0.0134 | 88.93 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:41 | 13451803 | 0.91 | 1.1260 | 368.2 | 368.2 | 0.0143 | 0.0143 | 92.05 | |
| PCB-198 | 47:28 | 19241219 | 0.91 | 0.8183 | 724.7 | 724.7 | 0.0197 | 0.0197 | 90.59 | |
| PCB-199 (C198) | 47:28 | 19241219 | 0.91 | 0.8183 | 724.7 | 724.7 | 0.0197 | 0.0197 | 90.59 | |
| PCB-196 | 48:10 | 10184196 | 0.91 | 0.8748 | 358.8 | 358.8 | 0.0185 | 0.0185 | 89.70 | |
| PCB-203 | 48:22 | 10811193 | 0.90 | 0.9219 | 361.4 | 361.4 | 0.0175 | 0.0175 | 90.36 | |
| PCB-195 | 49:40 | 13551019 | 0.90 | 0.7839 | 381.7 | 381.7 | 0.3203 | 0.3203 | 95.42 | |
| PCB-194 | 52:02 | 15829586 | 0.90 | 0.9282 | 376.6 | 376.6 | 0.2705 | 0.2705 | 94.14 | |
| PCB-205 | 52:30 | 20385492 | 0.90 | 1.2342 | 364.7 | 364.7 | 0.2034 | 0.2034 | 91.17 | |
| S Total Nonachlorobipheny | | | | | 1090.0 | 1090.0 | 0.2856 | 0.2856 | | |
| D PCB-208L | 49:25 | 4041867 | 0.80 | 1.1383 | 101.9 | 101.9 | 0.2566 | 0.2566 | 102 | |
| D PCB-206L | 54:14 | 3171775 | 0.82 | 0.8938 | 101.8 | 101.8 | 0.3268 | 0.3268 | 102 | |
| PCB-208 | 49:27 | 17016595 | 0.79 | 1.1567 | 364.0 | 364.0 | 0.2673 | 0.2673 | 90.99 | |
| PCB-207 | 50:23 | 17990397 | 0.79 | 1.3964 | 357.2 | 357.2 | 0.2509 | 0.2509 | 89.30 | |
| PCB-206 | 54:16 | 13954359 | 0.79 | 1.1927 | 368.9 | 368.9 | 0.3387 | 0.3387 | 92.22 | |
| D PCB-209L | 55:54 | 3437344 | 0.71 | 0.9809 | 100.6 | 100.6 | 0.0351 | 0.0351 | 101 | |
| DCB Decachlorobiphenyl | 55:55 | 15878520 | 0.71 | 1.2455 | 370.9 | 370.9 | 0.0143 | 0.0143 | 92.72 | |
| S Polychlorinated bipheny | | | | | 74473 | 74473 | 0.5679 | 0.5679 | | |

## QC Flag Legend

Review Flags
M - Manually Integrated
a - User Assigned ID

## Reagents:

61L41668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Aug-2019 18:03:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-005
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:38:18 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: mcwhirterl Date: 21-Aug-2019 20:05:07

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:47 | 11:48 | -1 | 0.728 | 4103252 | 1653241 | 1248 | 3120 | 1325 | | |
| 202.0766 | 11:47 | 11:48 | -1 | 0.728 | 1329883 | 541686 | 706 | 1765 | 767 | 3.09(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:57 | 13:58 | -1 | 0.863 | 4337280 | 1480712 | 1248 | 3120 | 1186 | | |
| 202.0766 | 13:57 | 13:58 | -1 | 0.863 | 1370421 | 469298 | 706 | 1765 | 665 | 3.16(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:48 | 11:49 | -1 | 1.001 | 18959309 | 7871636 | 7354 | 18385 | 1070 | | |
| 190.0363 | 11:48 | 11:49 | -1 | 1.001 | 5907957 | 2423849 | 2641 | 6602 | 918 | 3.21(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:47 | 13:49 | -2 | 0.988 | 19547780 | 6498196 | 7354 | 18385 | 884 | | |
| 190.0363 | 13:47 | 13:49 | -2 | 0.988 | 6112861 | 2046576 | 2641 | 6602 | 775 | 3.20(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:58 | 13:59 | -1 | 1.001 | 19333513 | 6596216 | 7354 | 18385 | 897 | | |
| 190.0363 | 13:58 | 13:59 | -1 | 1.001 | 6174682 | 2069521 | 2641 | 6602 | 784 | 3.13(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:13 | 14:14 | -1 | 0.879 | 1532476 | 493103 | 489 | 1222 | 1008 | | |
| 236.0376 | 14:13 | 14:14 | -1 | 0.879 | 957762 | 312703 | 122 | 305 | 2563 | 1.60(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:10 | 16:11 | -1 | | 2536900 | 752946 | 489 | 1222 | 1540 | | |
| 236.0376 | 16:10 | 16:11 | -1 | | 1612439 | 477418 | 122 | 305 | 3913 | 1.57(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:00 | 17:01 | -1 | 1.197 | 9858109 | 2796246 | 489 | 1222 | 5718 | | |
| 236.0376 | 17:00 | 17:01 | -1 | 1.197 | 6303302 | 1794465 | 122 | 305 | 14709 | 1.56(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:06 | 20:07 | -1 | 1.243 | 2789751 | 709755 | 489 | 1222 | 1451 | | |
| 236.0376 | 20:06 | 20:07 | -1 | 1.243 | 1681200 | 433648 | 122 | 305 | 3554 | 1.66(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:13 | 14:14 | -1 | 1.001 | 7261989 | 2379528 | 62 | 155 | 38379 | | |
| 223.9974 | 14:13 | 14:14 | -1 | 1.001 | 4654155 | 1523600 | 112 | 280 | 13604 | 1.56(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:24 | 14:25 | -1 | 1.013 | 11753111 | 3849053 | 62 | 155 | 62082 | | |
| 223.9974 | 14:24 | 14:25 | -1 | 1.013 | 7509827 | 2439427 | 112 | 280 | 21781 | 1.57(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:12 | 16:13 | -1 | 1.140 | 11130427 | 3249942 | 62 | 155 | 52418 | | |
| 223.9974 | 16:12 | 16:13 | -1 | 1.140 | 7128054 | 2062636 | 112 | 280 | 18416 | 1.56(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:21 | 16:23 | -2 | 1.151 | 12768211 | 3707309 | 62 | 155 | 59795 | | |
| 223.9974 | 16:21 | 16:23 | -2 | 1.151 | 8115570 | 2356487 | 112 | 280 | 21040 | 1.57(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:35 | 16:37 | -2 | 1.167 | 12038992 | 3360104 | 62 | 155 | 54195 | | |
| 223.9974 | 16:35 | 16:37 | -2 | 1.167 | 7671661 | 2157510 | 112 | 280 | 19263 | 1.57(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:54 | 16:55 | -1 | 1.190 | 12167263 | 3504360 | 62 | 155 | 56522 | | |
| 223.9974 | 16:54 | 16:55 | -1 | 1.190 | 7766086 | 2223477 | 112 | 280 | 19852 | 1.57(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:02 | 17:03 | -1 | 1.199 | 12634007 | 3485167 | 62 | 155 | 56212 | | |
| 223.9974 | 17:01 | 17:03 | -2 | 1.198 | 8040747 | 2205622 | 112 | 280 | 19693 | 1.57(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:39 | 18:40 | -1 | 0.928 | 14598776 | 3938984 | 62 | 155 | 63532 | | |
| 223.9974 | 18:39 | 18:40 | -1 | 0.928 | 9250559 | 2474325 | 112 | 280 | 22092 | 1.58(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:29 | 19:30 | -1 | 0.970 | 12522132 | 3287000 | 62 | 155 | 53016 | | |
| 223.9974 | 19:29 | 19:30 | -1 | 0.970 | 7975645 | 2079142 | 112 | 280 | 18564 | 1.57(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:49 | 19:50 | -1 | 0.986 | 25617710 | 3959966 | 62 | 155 | 63870 | | |
| 223.9974 | 19:49 | 19:50 | -1 | 0.986 | 16247822 | 2483916 | 112 | 280 | 22178 | 1.58(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:49 | 19:50 | -1 | 0.986 | 25617710 | 3959966 | 62 | 155 | 63870 | | |
| 223.9974 | 19:49 | 19:50 | -1 | 0.986 | 16247822 | 2483916 | 112 | 280 | 22178 | 1.58(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:07 | -1 | 1.001 | 13762455 | 3342033 | 62 | 155 | 53904 | | |
| 223.9974 | 20:06 | 20:07 | -1 | 1.001 | 8766092 | 2149015 | 112 | 280 | 19188 | 1.57(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:19 | -1 | 0.841 | 715363 | 202418 | 443 | 1107 | 457 | | |
| 269.9986 | 17:19 | 17:19 | -1 | 0.841 | 698357 | 196452 | 180 | 450 | 1091 | 1.02(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:35 | 20:36 | -1 | | 1166546 | 296415 | 443 | 1107 | 669 | | |
| 269.9986 | 20:35 | 20:36 | -1 | | 1110365 | 276731 | 180 | 450 | 1537 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:50 | 22:51 | -1 | | 3715870 | 895999 | 639 | 1597 | 1402 | | |
| 269.9986 | 22:50 | 22:51 | -1 | | 3489556 | 849463 | 567 | 1417 | 1498 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:08 | 23:09 | -1 | 1.013 | 14229791 | 3394026 | 639 | 1597 | 5311 | | |
| 269.9986 | 23:08 | 23:09 | -1 | 1.013 | 13412913 | 3175053 | 567 | 1417 | 5600 | 1.06(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:08 | 27:09 | -1 | 1.188 | 3405702 | 751496 | 639 | 1597 | 1176 | | |
| 269.9986 | 27:09 | 27:09 | -1 | 1.189 | 3243933 | 714031 | 567 | 1417 | 1259 | 1.05(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:20 | 17:21 | -1 | 1.002 | 3720446 | 1040184 | 38 | 95 | 27373 | | |
| 257.9584 | 17:20 | 17:21 | -1 | 1.002 | 3451948 | 959096 | 22 | 55 | 43595 | 1.08(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:12 | -1 | 1.108 | 10033533 | 2211846 | 38 | 95 | 58206 | | |
| 257.9584 | 19:11 | 19:12 | -1 | 1.108 | 9348862 | 2074230 | 22 | 55 | 94283 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:12 | -1 | 1.108 | 10033533 | 2211846 | 38 | 95 | 58206 | | |
| 257.9584 | 19:11 | 19:12 | -1 | 1.108 | 9348862 | 2074230 | 22 | 55 | 94283 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:37 | 19:38 | -1 | 1.134 | 4396845 | 1125647 | 38 | 95 | 29622 | | |
| 257.9584 | 19:37 | 19:38 | -1 | 1.134 | 4060517 | 1039187 | 22 | 55 | 47236 | 1.08(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:50 | 19:51 | -1 | 1.146 | 6189389 | 1598308 | 38 | 95 | 42061 | | |
| 257.9584 | 19:50 | 19:51 | -1 | 1.146 | 5754973 | 1484973 | 22 | 55 | 67499 | 1.08(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:58 | 19:59 | -1 | 1.153 | 5723668 | 1500391 | 38 | 95 | 39484 | | |
| 257.9584 | 19:58 | 19:59 | -1 | 1.153 | 5359980 | 1407288 | 22 | 55 | 63968 | 1.07(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:05 | 20:06 | -1 | 1.160 | 3529703 | 861193 | 38 | 95 | 22663 | | |
| 257.9584 | 20:04 | 20:06 | -2 | 1.159 | 3251520 | 801189 | 22 | 55 | 36418 | 1.09(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:35 | 20:37 | -2 | 1.190 | 6374074 | 1602637 | 38 | 95 | 42175 | | |
| 257.9584 | 20:35 | 20:37 | -2 | 1.190 | 5924243 | 1503444 | 22 | 55 | 68338 | 1.08(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:51 | 21:53 | -1 | 1.263 | 14938002 | 3701120 | 8180 | 20450 | 452 | | |
| 257.9584 | 21:51 | 21:53 | -1 | 1.263 | 14038051 | 3497903 | 6556 | 16390 | 534 | 1.06(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:00 | 22:02 | -1 | 1.271 | 15362590 | 3751686 | 8180 | 20450 | 459 | | |
| 257.9584 | 22:00 | 22:02 | -1 | 1.271 | 14490736 | 3564419 | 6556 | 16390 | 544 | 1.06(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:19 | 22:21 | -1 | 1.290 | 31692154 | 5938318 | 8180 | 20450 | 726 | | |
| 257.9584 | 22:19 | 22:21 | -1 | 1.290 | 29740339 | 5615146 | 6556 | 16390 | 856 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:19 | 22:21 | -1 | 1.290 | 31692154 | 5938318 | 8180 | 20450 | 726 | | |
| 257.9584 | 22:19 | 22:21 | -1 | 1.290 | 29740339 | 5615146 | 6556 | 16390 | 856 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:33 | 22:34 | -1 | 0.831 | 16193279 | 3691825 | 8180 | 20450 | 451 | | |
| 257.9584 | 22:33 | 22:34 | -1 | 0.831 | 15218555 | 3463751 | 6556 | 16390 | 528 | 1.06(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:51 | 22:53 | -1 | 0.842 | 16321696 | 4001528 | 8180 | 20450 | 489 | | |
| 257.9584 | 22:51 | 22:53 | -1 | 0.842 | 15448206 | 3813080 | 6556 | 16390 | 582 | 1.06(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:10 | 23:11 | -1 | 0.854 | 31685556 | 6685711 | 8180 | 20450 | 817 | | |
| 257.9584 | 23:10 | 23:11 | -1 | 0.854 | 29817306 | 6281813 | 6556 | 16390 | 958 | 1.06(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:10 | 23:11 | -1 | 0.854 | 31685556 | 6685711 | 8180 | 20450 | 817 | | |
| 257.9584 | 23:10 | 23:11 | -1 | 0.854 | 29817306 | 6281813 | 6556 | 16390 | 958 | 1.06(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 33843059 | 4306135 | 8180 | 20450 | 526 | | |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 31218984 | 4066088 | 6556 | 16390 | 620 | 1.08(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 33843059 | 4306135 | 8180 | 20450 | 526 | | |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 31218984 | 4066088 | 6556 | 16390 | 620 | 1.08(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:47 | 23:49 | -1 | 0.877 | 14909048 | 3585808 | 8180 | 20450 | 438 | | |
| 257.9584 | 23:47 | 23:49 | -1 | 0.877 | 13988314 | 3354366 | 6556 | 16390 | 512 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | Ma |
| 255.9613 | 25:21 | 25:22 | -1 | 0.934 | 16408640 | 3775197 | 8180 | 20450 | 462 | | M |
| 257.9584 | 25:21 | 25:22 | -1 | 0.934 | 15368128 | 3542482 | 6556 | 16390 | 540 | 1.07(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:42 | 25:44 | -1 | 0.947 | 17030753 | 3837654 | 8180 | 20450 | 469 | | |
| 257.9584 | 25:42 | 25:44 | -1 | 0.947 | 15969410 | 3590519 | 6556 | 16390 | 548 | 1.07(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | Ma |
| 255.9613 | 26:17 | 26:19 | -1 | 0.969 | 15946882 | 3629012 | 8180 | 20450 | 444 | | M |
| 257.9584 | 26:17 | 26:19 | -1 | 0.969 | 14900851 | 3378121 | 6556 | 16390 | 515 | 1.07(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | Ma |
| 255.9613 | 26:45 | 26:46 | -1 | 0.986 | 14998566 | 3404824 | 8180 | 20450 | 416 | | M |
| 257.9584 | 26:45 | 26:46 | -1 | 0.986 | 14043677 | 3190934 | 6556 | 16390 | 487 | 1.07(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:09 | 27:11 | -1 | 1.001 | 15682449 | 3452284 | 8180 | 20450 | 422 | | |
| 257.9584 | 27:09 | 27:11 | -1 | 1.001 | 14737788 | 3245862 | 6556 | 16390 | 495 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:24 | 20:25 | -1 | 0.817 | 659558 | 164373 | 62 | 155 | 2651 | | |
| 303.9597 | 20:24 | 20:25 | -1 | 0.817 | 826536 | 211540 | 46 | 115 | 4599 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:58 | 25:00 | -1 | | 1803744 | 417971 | 336 | 840 | 1244 | | |
| 303.9597 | 24:58 | 25:00 | -1 | | 2312391 | 524895 | 456 | 1140 | 1151 | 0.78(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:54 | 32:56 | -1 | 0.970 | 10092104 | 2078515 | 336 | 840 | 6186 | | |
| 303.9597 | 32:54 | 32:56 | -1 | 0.970 | 12526901 | 2584795 | 456 | 1140 | 5668 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:55 | 33:56 | -1 | 1.358 | 2303628 | 476503 | 336 | 840 | 1418 | | |
| 303.9597 | 33:55 | 33:56 | -1 | 1.358 | 2909203 | 606258 | 456 | 1140 | 1330 | 0.79(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:28 | 34:29 | -1 | 1.381 | 2425187 | 484333 | 336 | 840 | 1441 | | |
| 303.9597 | 34:28 | 34:29 | -1 | 1.381 | 3018845 | 603156 | 456 | 1140 | 1323 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:25 | 20:26 | -1 | 1.000 | 3134098 | 792495 | 16 | 40 | 49531 | | |
| 291.9194 | 20:25 | 20:26 | -1 | 1.000 | 3967802 | 1005405 | 22 | 55 | 45700 | 0.79(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:36 | 22:37 | -1 | 1.108 | 15644694 | 2816537 | 4052 | 10130 | 695 | | |
| 291.9194 | 22:36 | 22:37 | -1 | 1.108 | 19968973 | 3613634 | 5122 | 12805 | 706 | 0.78(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:36 | 22:37 | -1 | 1.108 | 15644694 | 2816537 | 4052 | 10130 | 695 | | |
| 291.9194 | 22:36 | 22:37 | -1 | 1.108 | 19968973 | 3613634 | 5122 | 12805 | 706 | 0.78(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:20 | 23:21 | -1 | 1.145 | 15057603 | 1919223 | 4052 | 10130 | 474 | | M |
| 291.9194 | 23:20 | 23:21 | -1 | 1.145 | 19141676 | 2432225 | 5122 | 12805 | 475 | 0.79(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:20 | 23:21 | -1 | 1.145 | 15057603 | 1919223 | 4052 | 10130 | 474 | | M |
| 291.9194 | 23:20 | 23:21 | -1 | 1.145 | 19141676 | 2432225 | 5122 | 12805 | 475 | 0.79(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:34 | 23:35 | -1 | 1.156 | 6430092 | 1528919 | 4052 | 10130 | 377 | | |
| 291.9194 | 23:34 | 23:35 | -1 | 1.156 | 8130961 | 1919787 | 5122 | 12805 | 375 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | Ma |
| 289.9224 | 25:00 | 25:00 | -1 | 1.226 | 7542785 | 1760815 | 4052 | 10130 | 435 | | M |
| 291.9194 | 25:00 | 25:00 | -1 | 1.226 | 9485876 | 2225093 | 5122 | 12805 | 434 | 0.80(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:08 | 25:09 | -1 | 1.233 | 16736324 | 2279222 | 4052 | 10130 | 562 | | M |
| 291.9194 | 25:08 | 25:09 | -1 | 1.233 | 20984761 | 2915328 | 5122 | 12805 | 569 | 0.80(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:08 | 25:09 | -1 | 1.233 | 16736324 | 2279222 | 4052 | 10130 | 562 | | M |
| 291.9194 | 25:08 | 25:09 | -1 | 1.233 | 20984761 | 2915328 | 5122 | 12805 | 569 | 0.80(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | Ma |
| 289.9224 | 25:27 | 25:29 | -1 | 1.248 | 18696143 | 2993605 | 4052 | 10130 | 739 | | M |
| 291.9194 | 25:27 | 25:29 | -1 | 1.248 | 23666253 | 3848925 | 5122 | 12805 | 751 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | Ma |
| 289.9224 | 25:27 | 25:29 | -1 | 1.248 | 18696143 | 2993605 | 4052 | 10130 | 739 | | M |
| 291.9194 | 25:27 | 25:29 | -1 | 1.248 | 23666253 | 3848925 | 5122 | 12805 | 751 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:46 | 25:48 | -1 | 1.264 | 7804299 | 1814126 | 4052 | 10130 | 448 | | |
| 291.9194 | 25:46 | 25:48 | -1 | 1.264 | 9864229 | 2286845 | 5122 | 12805 | 446 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | -1 | 1.276 | 24896659 | 4269626 | 4052 | 10130 | 1054 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.276 | 31954669 | 5552695 | 5122 | 12805 | 1084 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | -1 | 1.276 | 24896659 | 4269626 | 4052 | 10130 | 1054 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.276 | 31954669 | 5552695 | 5122 | 12805 | 1084 | 0.78(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | -1 | 1.276 | 24896659 | 4269626 | 4052 | 10130 | 1054 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.276 | 31954669 | 5552695 | 5122 | 12805 | 1084 | 0.78(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | -1 | 1.290 | 33135464 | 5198620 | 4052 | 10130 | 1283 | | |
| 291.9194 | 26:18 | 26:20 | -1 | 1.290 | 42888076 | 6854376 | 5122 | 12805 | 1338 | 0.77(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | -1 | 1.290 | 33135464 | 5198620 | 4052 | 10130 | 1283 | | |
| 291.9194 | 26:18 | 26:20 | -1 | 1.290 | 42888076 | 6854376 | 5122 | 12805 | 1338 | 0.77(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | -1 | 1.290 | 33135464 | 5198620 | 4052 | 10130 | 1283 | | |
| 291.9194 | 26:18 | 26:20 | -1 | 1.290 | 42888076 | 6854376 | 5122 | 12805 | 1338 | 0.77(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:31 | 26:33 | -1 | 1.301 | 7206346 | 1612373 | 4052 | 10130 | 398 | | |
| 291.9194 | 26:31 | 26:33 | -1 | 1.301 | 9102243 | 2035528 | 5122 | 12805 | 397 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 27:01 | 27:02 | -1 | 1.325 | 22395816 | 3348792 | 4052 | 10130 | 826 | | M |
| 291.9194 | 27:01 | 27:02 | -1 | 1.325 | 28540581 | 4343737 | 5122 | 12805 | 848 | 0.78(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:01 | 27:02 | -1 | 1.325 | 22395816 | 3348792 | 4052 | 10130 | 826 | | M |
| 291.9194 | 27:01 | 27:02 | -1 | 1.325 | 28540581 | 4343737 | 5122 | 12805 | 848 | 0.78(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:01 | 27:02 | -1 | 1.325 | 22395816 | 3348792 | 4052 | 10130 | 826 | | M |
| 291.9194 | 27:01 | 27:02 | -1 | 1.325 | 28540581 | 4343737 | 5122 | 12805 | 848 | 0.78(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:14 | 27:15 | -1 | 1.335 | 11476307 | 2580703 | 4052 | 10130 | 637 | | |
| 291.9194 | 27:14 | 27:15 | -1 | 1.335 | 14583606 | 3290861 | 5122 | 12805 | 642 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:04 | 28:06 | -1 | 0.828 | 10842593 | 2417135 | 4052 | 10130 | 597 | | |
| 291.9194 | 28:04 | 28:06 | -1 | 0.828 | 13781830 | 3083093 | 5122 | 12805 | 602 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:22 | 28:23 | -1 | 0.836 | 11720872 | 2504913 | 4052 | 10130 | 618 | | |
| 291.9194 | 28:22 | 28:23 | -1 | 0.836 | 15340694 | 3193480 | 5122 | 12805 | 623 | 0.76(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:47 | 28:48 | -1 | 0.849 | 10353348 | 2237483 | 4052 | 10130 | 552 | | |
| 291.9194 | 28:47 | 28:48 | -1 | 0.849 | 13194426 | 2859950 | 5122 | 12805 | 558 | 0.78(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:01 | 29:02 | -1 | 0.856 | 10968526 | 2263517 | 4052 | 10130 | 559 | | |
| 291.9194 | 29:01 | 29:02 | -1 | 0.856 | 13851202 | 2883624 | 5122 | 12805 | 563 | 0.79(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:11 | 29:12 | -1 | 0.861 | 11558644 | 2345996 | 4052 | 10130 | 579 | | |
| 291.9194 | 29:11 | 29:12 | -1 | 0.861 | 14680076 | 2981283 | 5122 | 12805 | 582 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:27 | 29:28 | -1 | 0.868 | 11834196 | 2456275 | 4052 | 10130 | 606 | | |
| 291.9194 | 29:27 | 29:28 | -1 | 0.868 | 15162640 | 3156468 | 5122 | 12805 | 616 | 0.78(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.878 | 44078495 | 4945703 | 4052 | 10130 | 1221 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.878 | 56362532 | 6434183 | 5122 | 12805 | 1256 | 0.78(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.878 | 44078495 | 4945703 | 4052 | 10130 | 1221 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.878 | 56362532 | 6434183 | 5122 | 12805 | 1256 | 0.78(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.878 | 44078495 | 4945703 | 4052 | 10130 | 1221 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.878 | 56362532 | 6434183 | 5122 | 12805 | 1256 | 0.78(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:47 | 29:49 | -1 | 0.878 | 44078495 | 4945703 | 4052 | 10130 | 1221 | | |
| 291.9194 | 29:47 | 29:49 | -1 | 0.878 | 56362532 | 6434183 | 5122 | 12805 | 1256 | 0.78(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:06 | 30:08 | -1 | 0.888 | 10177234 | 2184597 | 4052 | 10130 | 539 | | |
| 291.9194 | 30:06 | 30:08 | -1 | 0.888 | 12845295 | 2760242 | 5122 | 12805 | 539 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:16 | 30:18 | -1 | 0.893 | 10398449 | 2228069 | 4052 | 10130 | 550 | | |
| 291.9194 | 30:16 | 30:18 | -1 | 0.893 | 13267813 | 2855210 | 5122 | 12805 | 557 | 0.78(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:47 | 30:48 | -1 | 0.908 | 10152995 | 2170111 | 4052 | 10130 | 536 | | |
| 291.9194 | 30:47 | 30:48 | -1 | 0.908 | 12930528 | 2770927 | 5122 | 12805 | 541 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:59 | 31:00 | -1 | 0.914 | 10638164 | 2206274 | 4052 | 10130 | 544 | | |
| 291.9194 | 30:59 | 31:00 | -1 | 0.914 | 13482230 | 2809341 | 5122 | 12805 | 548 | 0.79(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | Ma |
| 289.9224 | 31:25 | 31:26 | 0 | 0.926 | 11927975 | 2537229 | 4052 | 10130 | 626 | | M |
| 291.9194 | 31:25 | 31:26 | 0 | 0.926 | 15033729 | 3207192 | 5122 | 12805 | 626 | 0.79(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:56 | 32:57 | -1 | 0.971 | 13094346 | 2597649 | 4052 | 10130 | 641 | | |
| 291.9194 | 32:56 | 32:57 | -1 | 0.971 | 16561022 | 3314619 | 5122 | 12805 | 647 | 0.79(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:29 | 33:31 | -1 | 0.988 | 10124433 | 2076438 | 4052 | 10130 | 512 | | |
| 291.9194 | 33:29 | 33:31 | -1 | 0.988 | 12872407 | 2638171 | 5122 | 12805 | 515 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:55 | 33:57 | -1 | 1.000 | 10834153 | 2185085 | 4052 | 10130 | 539 | | |
| 291.9194 | 33:55 | 33:57 | -1 | 1.000 | 13664450 | 2783120 | 5122 | 12805 | 543 | 0.79(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:29 | 34:30 | -1 | 1.000 | 10807109 | 2170461 | 4052 | 10130 | 536 | | |
| 291.9194 | 34:29 | 34:30 | -1 | 1.000 | 13764324 | 2755372 | 5122 | 12805 | 538 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:55 | 25:57 | -1 | 0.814 | 2383193 | 528137 | 29 | 72 | 18212 | | |
| 339.9178 | 25:55 | 25:57 | -1 | 0.814 | 1483745 | 333504 | 55 | 137 | 6064 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:53 | 28:54 | -1 | 1.114 | 6985922 | 1525034 | 29 | 72 | 52587 | | |
| 339.9178 | 28:53 | 28:54 | -1 | 1.114 | 4404554 | 970577 | 55 | 137 | 17647 | 1.59(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:50 | 31:51 | -1 | | 2246000 | 480136 | 29 | 72 | 16556 | | |
| 339.9178 | 31:50 | 31:51 | -1 | | 1374835 | 298037 | 55 | 137 | 5419 | 1.63(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:32 | 34:33 | -1 | 1.085 | 9714041 | 2012446 | 29 | 72 | 69395 | | |
| 339.9178 | 34:32 | 34:33 | -1 | 1.085 | 6222979 | 1307394 | 55 | 137 | 23771 | 1.56(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:30 | 36:30 | -1 | 1.146 | 3107036 | 646190 | 2153 | 5382 | 300 | | |
| 339.9178 | 36:30 | 36:30 | -1 | 1.146 | 1929414 | 406189 | 1500 | 3750 | 271 | 1.61(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:49 | 36:50 | -1 | 1.157 | 3222011 | 642247 | 2153 | 5382 | 298 | | |
| 339.9178 | 36:49 | 36:50 | -1 | 1.157 | 2023484 | 408568 | 1500 | 3750 | 272 | 1.59(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:21 | 37:22 | -1 | 1.173 | 3105809 | 634860 | 2153 | 5382 | 295 | | |
| 339.9178 | 37:21 | 37:22 | -1 | 1.173 | 1927947 | 390323 | 1500 | 3750 | 260 | 1.61(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:59 | 38:00 | -1 | 1.193 | 3110599 | 636991 | 2153 | 5382 | 296 | | |
| 339.9178 | 37:59 | 38:00 | -1 | 1.193 | 1966690 | 400267 | 1500 | 3750 | 267 | 1.58(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:29 | 39:30 | -1 | | 3170743 | 646004 | 2153 | 5382 | 300 | | |
| 339.9178 | 39:29 | 39:30 | -1 | | 1975860 | 403370 | 1500 | 3750 | 269 | 1.60(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:05 | 41:05 | -1 | 1.290 | 2834360 | 560940 | 2153 | 5382 | 261 | | |
| 339.9178 | 41:05 | 41:05 | -1 | 1.290 | 1779672 | 357783 | 1500 | 3750 | 239 | 1.59(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:57 | 25:58 | -1 | 1.001 | 12139554 | 2727222 | 42 | 105 | 64934 | | |
| 327.8775 | 25:57 | 25:58 | -1 | 1.001 | 7800262 | 1755442 | 27 | 67 | 65016 | 1.56(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:18 | 26:20 | -1 | 1.015 | 11058807 | 2465608 | 42 | 105 | 58705 | | |
| 327.8775 | 26:18 | 26:20 | -1 | 1.015 | 7072261 | 1592650 | 27 | 67 | 58987 | 1.56(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:16 | 28:16 | -1 | 1.090 | 8984534 | 1930544 | 42 | 105 | 45965 | | |
| 327.8775 | 28:16 | 28:16 | -1 | 1.090 | 5747199 | 1236820 | 27 | 67 | 45808 | 1.56(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:29 | 28:30 | -1 | 1.099 | 7966167 | 1743015 | 42 | 105 | 41500 | | |
| 327.8775 | 28:29 | 28:30 | -1 | 1.099 | 5154630 | 1135738 | 27 | 67 | 42064 | 1.55(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:55 | 28:56 | -1 | 1.115 | 8546497 | 1872885 | 42 | 105 | 44593 | | |
| 327.8775 | 28:55 | 28:56 | -1 | 1.115 | 5511154 | 1220095 | 27 | 67 | 45189 | 1.55(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:10 | -1 | 1.124 | 16848097 | 3601864 | 42 | 105 | 85759 | | |
| 327.8775 | 29:08 | 29:10 | -1 | 1.124 | 10754321 | 2297943 | 27 | 67 | 85109 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:10 | -1 | 1.124 | 16848097 | 3601864 | 42 | 105 | 85759 | | |
| 327.8775 | 29:08 | 29:10 | -1 | 1.124 | 10754321 | 2297943 | 27 | 67 | 85109 | 1.57(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:17 | 29:18 | -1 | 1.130 | 17143390 | 2007858 | 42 | 105 | 47806 | | M |
| 327.8775 | 29:17 | 29:18 | -1 | 1.130 | 11062464 | 1314343 | 27 | 67 | 48679 | 1.55(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:17 | 29:18 | -1 | 1.130 | 17143390 | 2007858 | 42 | 105 | 47806 | | M |
| 327.8775 | 29:17 | 29:18 | -1 | 1.130 | 11062464 | 1314343 | 27 | 67 | 48679 | 1.55(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | M |
| 325.8804 | 29:47 | 29:48 | -1 | 1.149 | 17505774 | 2048332 | 42 | 105 | 48770 | | M |
| 327.8775 | 29:47 | 29:48 | -1 | 1.149 | 11243695 | 1319307 | 27 | 67 | 48863 | 1.56(1.32-1.78) | M |
| PCB-91 (C88) | | | | | | | | | | | M |
| 325.8804 | 29:47 | 29:48 | -1 | 1.149 | 17505774 | 2048332 | 42 | 105 | 48770 | | M |
| 327.8775 | 29:47 | 29:48 | -1 | 1.149 | 11243695 | 1319307 | 27 | 67 | 48863 | 1.56(1.32-1.78) | M |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:00 | 30:01 | -1 | 1.157 | 7304499 | 1533277 | 42 | 105 | 36507 | | |
| 327.8775 | 30:00 | 30:01 | -1 | 1.157 | 4674508 | 996523 | 27 | 67 | 36908 | 1.56(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:29 | 30:30 | -1 | 1.176 | 7777577 | 1639370 | 42 | 105 | 39033 | | |
| 327.8775 | 30:29 | 30:30 | -1 | 1.176 | 4977574 | 1070401 | 27 | 67 | 39644 | 1.56(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:54 | 30:56 | -1 | 1.192 | 11789818 | 2480198 | 42 | 105 | 59052 | | |
| 327.8775 | 30:54 | 30:56 | -1 | 1.192 | 7577534 | 1597895 | 27 | 67 | 59181 | 1.56(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:17 | 31:18 | -1 | 0.857 | 8243171 | 1735082 | 42 | 105 | 41311 | | |
| 327.8775 | 31:17 | 31:18 | -1 | 0.857 | 5262416 | 1119207 | 27 | 67 | 41452 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -1 | 1.229 | 28983898 | 4243166 | 42 | 105 | 101028 | | |
| 327.8775 | 31:51 | 31:52 | -1 | 1.229 | 18516585 | 2677405 | 27 | 67 | 99163 | 1.57(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -1 | 1.229 | 28983898 | 4243166 | 42 | 105 | 101028 | | |
| 327.8775 | 31:51 | 31:52 | -1 | 1.229 | 18516585 | 2677405 | 27 | 67 | 99163 | 1.57(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -1 | 1.229 | 28983898 | 4243166 | 42 | 105 | 101028 | | |
| 327.8775 | 31:51 | 31:52 | -1 | 1.229 | 18516585 | 2677405 | 27 | 67 | 99163 | 1.57(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:27 | 32:28 | -1 | 1.252 | 16645671 | 1926532 | 42 | 105 | 45870 | | |
| 327.8775 | 32:27 | 32:28 | -1 | 1.252 | 10723001 | 1258981 | 27 | 67 | 46629 | 1.55(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:27 | 32:28 | -1 | 1.252 | 16645671 | 1926532 | 42 | 105 | 45870 | | |
| 327.8775 | 32:27 | 32:28 | -1 | 1.252 | 10723001 | 1258981 | 27 | 67 | 46629 | 1.55(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:34 | 32:35 | -1 | 1.256 | 11752194 | 2354902 | 42 | 105 | 56069 | | |
| 327.8775 | 32:34 | 32:35 | -1 | 1.256 | 7557775 | 1524474 | 27 | 67 | 56462 | 1.55(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:56 | 32:57 | -1 | 1.270 | 61329571 | 7362272 | 42 | 105 | 175292 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 38474174 | 4568051 | 27 | 67 | 169187 | 1.59(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:56 | 32:57 | -1 | 1.270 | 61329571 | 7362272 | 42 | 105 | 175292 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 38474174 | 4568051 | 27 | 67 | 169187 | 1.59(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:56 | 32:57 | -1 | 1.270 | 61329571 | 7362272 | 42 | 105 | 175292 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 38474174 | 4568051 | 27 | 67 | 169187 | 1.59(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:56 | 32:57 | -1 | 1.270 | 61329571 | 7362272 | 42 | 105 | 175292 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 38474174 | 4568051 | 27 | 67 | 169187 | 1.59(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:56 | 32:57 | -1 | 1.270 | 61329571 | 7362272 | 42 | 105 | 175292 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 38474174 | 4568051 | 27 | 67 | 169187 | 1.59(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:56 | 32:57 | -1 | 1.270 | 61329571 | 7362272 | 42 | 105 | 175292 | | M |
| 327.8775 | 32:56 | 32:57 | -1 | 1.270 | 38474174 | 4568051 | 27 | 67 | 169187 | 1.59(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.299 | 30596520 | 4068996 | 42 | 105 | 96881 | | |
| 327.8775 | 33:40 | 33:41 | -1 | 1.299 | 19639836 | 2578147 | 27 | 67 | 95487 | 1.56(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.299 | 30596520 | 4068996 | 42 | 105 | 96881 | | |
| 327.8775 | 33:40 | 33:41 | -1 | 1.299 | 19639836 | 2578147 | 27 | 67 | 95487 | 1.56(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -1 | 1.299 | 30596520 | 4068996 | 42 | 105 | 96881 | | |
| 327.8775 | 33:40 | 33:41 | -1 | 1.299 | 19639836 | 2578147 | 27 | 67 | 95487 | 1.56(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:55 | 33:56 | -1 | 1.308 | 22807063 | 2540758 | 42 | 105 | 60494 | | |
| 327.8775 | 33:55 | 33:56 | -1 | 1.308 | 14692734 | 1635545 | 27 | 67 | 60576 | 1.55(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:55 | 33:56 | -1 | 1.308 | 22807063 | 2540758 | 42 | 105 | 60494 | | |
| 327.8775 | 33:55 | 33:56 | -1 | 1.308 | 14692734 | 1635545 | 27 | 67 | 60576 | 1.55(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:09 | 34:10 | -1 | 1.318 | 7562291 | 1473712 | 42 | 105 | 35088 | | |
| 327.8775 | 34:09 | 34:10 | -1 | 1.318 | 4808213 | 940661 | 27 | 67 | 34839 | 1.57(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:33 | 34:35 | -1 | 1.333 | 12350975 | 2534051 | 42 | 105 | 60335 | | |
| 327.8775 | 34:33 | 34:35 | -1 | 1.333 | 7981953 | 1629908 | 27 | 67 | 60367 | 1.55(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:01 | 35:02 | -1 | 1.351 | 12634815 | 2589006 | 42 | 105 | 61643 | | |
| 327.8775 | 35:01 | 35:02 | -1 | 1.351 | 8165198 | 1683367 | 27 | 67 | 62347 | 1.55(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:09 | 36:10 | -1 | 1.394 | 27432460 | 5545665 | 8847 | 22117 | 627 | | |
| 327.8775 | 36:09 | 36:10 | -1 | 1.394 | 17394958 | 3489871 | 5693 | 14232 | 613 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:09 | 36:10 | -1 | 1.394 | 27432460 | 5545665 | 8847 | 22117 | 627 | | |
| 327.8775 | 36:09 | 36:10 | -1 | 1.394 | 17394958 | 3489871 | 5693 | 14232 | 613 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:23 | 36:25 | -1 | 1.404 | 15566999 | 2887355 | 8847 | 22117 | 326 | | |
| 327.8775 | 36:23 | 36:25 | -1 | 1.404 | 10126981 | 1879711 | 5693 | 14232 | 330 | 1.54(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:30 | 36:32 | -1 | 1.000 | 15030620 | 3123105 | 8847 | 22117 | 353 | | |
| 327.8775 | 36:30 | 36:32 | -1 | 1.000 | 9747867 | 2022921 | 5693 | 14232 | 355 | 1.54(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:38 | 36:39 | -1 | 1.004 | 13768158 | 2877137 | 8847 | 22117 | 325 | | |
| 327.8775 | 36:38 | 36:39 | -1 | 1.004 | 8881497 | 1855572 | 5693 | 14232 | 326 | 1.55(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:50 | 36:51 | -1 | 1.000 | 14982810 | 2873777 | 8847 | 22117 | 325 | | |
| 327.8775 | 36:50 | 36:51 | -1 | 1.000 | 9666347 | 1863685 | 5693 | 14232 | 327 | 1.55(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:10 | 37:12 | -1 | 1.010 | 12675534 | 2511309 | 8847 | 22117 | 284 | | |
| 327.8775 | 37:10 | 37:12 | -1 | 1.010 | 8185786 | 1646230 | 5693 | 14232 | 289 | 1.55(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:22 | 37:23 | -1 | 1.001 | 15423141 | 2940228 | 8847 | 22117 | 332 | | |
| 327.8775 | 37:22 | 37:23 | -1 | 1.001 | 9982373 | 1877697 | 5693 | 14232 | 330 | 1.55(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:01 | 38:02 | -1 | 1.001 | 14340297 | 2743397 | 8847 | 22117 | 310 | | |
| 327.8775 | 38:01 | 38:02 | -1 | 1.001 | 8991905 | 1763158 | 5693 | 14232 | 310 | 1.59(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:29 | 39:31 | -1 | 1.040 | 14538914 | 2729865 | 8847 | 22117 | 309 | | |
| 327.8775 | 39:29 | 39:31 | -1 | 1.040 | 9390804 | 1756288 | 5693 | 14232 | 308 | 1.55(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:06 | 41:07 | -1 | 1.000 | 13716134 | 2454479 | 8847 | 22117 | 277 | | |
| 327.8775 | 41:06 | 41:07 | -1 | 1.000 | 8824703 | 1582894 | 5693 | 14232 | 278 | 1.55(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:37 | 31:38 | -1 | 0.792 | 1792967 | 380073 | 58 | 145 | 6553 | | |
| 373.8788 | 31:37 | 31:38 | -1 | 0.792 | 1432840 | 301672 | 64 | 160 | 4714 | 1.25(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:42 | 38:44 | -1 | 0.901 | 8748110 | 1762188 | 827 | 2067 | 2131 | | |
| 373.8788 | 38:42 | 38:44 | -1 | 0.901 | 6983132 | 1421783 | 624 | 1560 | 2278 | 1.25(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:57 | 39:58 | -1 | | 2077948 | 408182 | 827 | 2067 | 494 | | |
| 373.8788 | 39:57 | 39:58 | -1 | | 1630884 | 325792 | 624 | 1560 | 522 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:58 | 42:58 | -1 | 1.076 | 2554352 | 500906 | 827 | 2067 | 606 | | |
| 373.8788 | 42:58 | 42:58 | -1 | 1.076 | 2005212 | 386976 | 624 | 1560 | 620 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | -1 | 1.104 | 5092284 | 739654 | 827 | 2067 | 894 | | |
| 373.8788 | 44:07 | 44:07 | -1 | 1.104 | 4025462 | 593623 | 624 | 1560 | 951 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:07 | 44:07 | -1 | 1.104 | 5092284 | 739654 | 827 | 2067 | 894 | | |
| 373.8788 | 44:07 | 44:07 | -1 | 1.104 | 4025462 | 593623 | 624 | 1560 | 951 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:21 | 47:22 | -1 | 1.186 | 2294315 | 432467 | 827 | 2067 | 523 | | |
| 373.8788 | 47:20 | 47:22 | -1 | 1.185 | 1783469 | 333205 | 624 | 1560 | 534 | 1.29(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:39 | 31:40 | -1 | 1.001 | 8737218 | 1829476 | 28 | 70 | 65338 | | |
| 361.8385 | 31:39 | 31:40 | -1 | 1.001 | 6962955 | 1459806 | 28 | 70 | 52136 | 1.25(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:49 | 31:51 | -1 | 1.006 | 8581227 | 1798561 | 28 | 70 | 64234 | | |
| 361.8385 | 31:49 | 31:51 | -1 | 1.006 | 6771758 | 1427027 | 28 | 70 | 50965 | 1.27(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:00 | 32:01 | -1 | 1.012 | 8404770 | 1762816 | 28 | 70 | 62958 | | |
| 361.8385 | 32:00 | 32:01 | -1 | 1.012 | 6691472 | 1407311 | 28 | 70 | 50261 | 1.26(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:21 | 32:22 | -1 | 1.023 | 7966385 | 1653918 | 28 | 70 | 59069 | | |
| 361.8385 | 32:21 | 32:22 | -1 | 1.023 | 6267022 | 1305725 | 28 | 70 | 46633 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:40 | 32:41 | -1 | 1.033 | 8011477 | 1649023 | 28 | 70 | 58894 | | |
| 361.8385 | 32:40 | 32:41 | -1 | 1.033 | 6409462 | 1319793 | 28 | 70 | 47135 | 1.25(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:11 | 34:13 | -1 | 1.081 | 6090024 | 1261343 | 28 | 70 | 45048 | | |
| 361.8385 | 34:11 | 34:13 | -1 | 1.081 | 4827461 | 997250 | 28 | 70 | 35616 | 1.26(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 11705230 | 1369670 | 28 | 70 | 48917 | | M |
| 361.8385 | 34:46 | 34:47 | -1 | 1.099 | 9268674 | 1088976 | 28 | 70 | 38892 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 11705230 | 1369670 | 28 | 70 | 48917 | | M |
| 361.8385 | 34:46 | 34:47 | -1 | 1.099 | 9268674 | 1088976 | 28 | 70 | 38892 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:02 | 35:03 | -1 | 1.108 | 6914476 | 1407629 | 28 | 70 | 50272 | | |
| 361.8385 | 35:02 | 35:03 | -1 | 1.108 | 5454696 | 1125915 | 28 | 70 | 40211 | 1.27(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:20 | 35:21 | -1 | 1.117 | 6104044 | 1253758 | 28 | 70 | 44777 | | |
| 361.8385 | 35:20 | 35:21 | -1 | 1.117 | 4825965 | 989772 | 28 | 70 | 35349 | 1.26(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:43 | -1 | 1.129 | 17320026 | 3617620 | 2057 | 5142 | 1759 | | |
| 361.8385 | 35:42 | 35:43 | -1 | 1.129 | 13969492 | 2916107 | 1286 | 3215 | 2268 | 1.24(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:43 | -1 | 1.129 | 17320026 | 3617620 | 2057 | 5142 | 1759 | | |
| 361.8385 | 35:42 | 35:43 | -1 | 1.129 | 13969492 | 2916107 | 1286 | 3215 | 2268 | 1.24(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 36:00 | 36:00 | -1 | 1.138 | 15262751 | 1695502 | 2057 | 5142 | 824 | | |
| 361.8385 | 36:00 | 36:00 | -1 | 1.138 | 12345945 | 1365827 | 1286 | 3215 | 1062 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 36:00 | 36:00 | -1 | 1.138 | 15262751 | 1695502 | 2057 | 5142 | 824 | | |
| 361.8385 | 36:00 | 36:00 | -1 | 1.138 | 12345945 | 1365827 | 1286 | 3215 | 1062 | 1.24(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:19 | -1 | 1.148 | 17704989 | 3318589 | 2057 | 5142 | 1613 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.148 | 14225705 | 2657717 | 1286 | 3215 | 2067 | 1.24(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:18 | 36:19 | -1 | 1.148 | 17704989 | 3318589 | 2057 | 5142 | 1613 | | |
| 361.8385 | 36:18 | 36:19 | -1 | 1.148 | 14225705 | 2657717 | 1286 | 3215 | 2067 | 1.24(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:30 | 36:31 | -1 | 1.154 | 7889418 | 1597880 | 2057 | 5142 | 777 | | |
| 361.8385 | 36:30 | 36:31 | -1 | 1.154 | 6394914 | 1296475 | 1286 | 3215 | 1008 | 1.23(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:38 | 36:40 | -1 | 1.159 | 7864113 | 1581678 | 2057 | 5142 | 769 | | |
| 361.8385 | 36:38 | 36:40 | -1 | 1.159 | 6294894 | 1270605 | 1286 | 3215 | 988 | 1.25(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:57 | 36:58 | -1 | 1.169 | 7821339 | 1576514 | 2057 | 5142 | 766 | | |
| 361.8385 | 36:57 | 36:58 | -1 | 1.169 | 6343999 | 1278147 | 1286 | 3215 | 994 | 1.23(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:28 | 37:29 | -1 | 1.185 | 8137067 | 1584286 | 2057 | 5142 | 770 | | |
| 361.8385 | 37:28 | 37:29 | -1 | 1.185 | 6606001 | 1289872 | 1286 | 3215 | 1003 | 1.23(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:52 | 37:53 | -1 | 0.881 | 10166753 | 2048268 | 2057 | 5142 | 996 | | |
| 361.8385 | 37:52 | 37:53 | -1 | 0.881 | 8188862 | 1639923 | 1286 | 3215 | 1275 | 1.24(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:07 | 38:08 | -1 | 0.887 | 9254502 | 1846156 | 2057 | 5142 | 897 | | |
| 361.8385 | 38:07 | 38:08 | -1 | 0.887 | 7526426 | 1503136 | 1286 | 3215 | 1169 | 1.23(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:15 | 38:16 | -1 | 0.890 | 11729230 | 2399227 | 2057 | 5142 | 1166 | | |
| 361.8385 | 38:15 | 38:16 | -1 | 0.890 | 9475598 | 1950874 | 1286 | 3215 | 1517 | 1.24(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:47 | -1 | 0.902 | 21600968 | 3221118 | 2057 | 5142 | 1566 | | |
| 361.8385 | 38:45 | 38:47 | -1 | 0.902 | 17434630 | 2588465 | 1286 | 3215 | 2013 | 1.24(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:47 | -1 | 0.902 | 21600968 | 3221118 | 2057 | 5142 | 1566 | | |
| 361.8385 | 38:45 | 38:47 | -1 | 0.902 | 17434630 | 2588465 | 1286 | 3215 | 2013 | 1.24(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:55 | 38:56 | -1 | 0.906 | 8802444 | 1666074 | 2057 | 5142 | 810 | | |
| 361.8385 | 38:55 | 38:56 | -1 | 0.906 | 6858198 | 1353189 | 1286 | 3215 | 1052 | 1.28(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:20 | 39:20 | -1 | 0.915 | 7370821 | 1459550 | 2057 | 5142 | 710 | | |
| 361.8385 | 39:19 | 39:20 | -1 | 0.915 | 5945830 | 1178363 | 1286 | 3215 | 916 | 1.24(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:33 | 39:35 | -1 | 0.921 | 9493046 | 1879900 | 2057 | 5142 | 914 | | |
| 361.8385 | 39:33 | 39:35 | -1 | 0.921 | 7728866 | 1524681 | 1286 | 3215 | 1186 | 1.23(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:40 | 39:41 | -1 | 0.923 | 11077921 | 2180209 | 2057 | 5142 | 1060 | | |
| 361.8385 | 39:39 | 39:41 | -1 | 0.923 | 8892020 | 1751307 | 1286 | 3215 | 1362 | 1.25(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 39:59 | 40:00 | -1 | 0.931 | 38121651 | 4385441 | 2057 | 5142 | 2132 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 30704354 | 3505945 | 1286 | 3215 | 2726 | 1.24(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:59 | 40:00 | -1 | 0.931 | 38121651 | 4385441 | 2057 | 5142 | 2132 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 30704354 | 3505945 | 1286 | 3215 | 2726 | 1.24(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:59 | 40:00 | -1 | 0.931 | 38121651 | 4385441 | 2057 | 5142 | 2132 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 30704354 | 3505945 | 1286 | 3215 | 2726 | 1.24(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:59 | 40:00 | -1 | 0.931 | 38121651 | 4385441 | 2057 | 5142 | 2132 | | M |
| 361.8385 | 39:59 | 40:00 | -1 | 0.931 | 30704354 | 3505945 | 1286 | 3215 | 2726 | 1.24(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:22 | 40:23 | -1 | 0.939 | 12375218 | 2351311 | 2057 | 5142 | 1143 | | |
| 361.8385 | 40:22 | 40:23 | -1 | 0.939 | 10004848 | 1905359 | 1286 | 3215 | 1482 | 1.24(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:13 | 41:14 | -1 | 0.959 | 19352622 | 3372294 | 2057 | 5142 | 1639 | | |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 15681428 | 2732932 | 1286 | 3215 | 2125 | 1.23(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:13 | 41:14 | -1 | 0.959 | 19352622 | 3372294 | 2057 | 5142 | 1639 | | |
| 361.8385 | 41:13 | 41:14 | -1 | 0.959 | 15681428 | 2732932 | 1286 | 3215 | 2125 | 1.23(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:13 | 42:14 | -1 | 0.983 | 11642999 | 2287184 | 2057 | 5142 | 1112 | | |
| 361.8385 | 42:13 | 42:14 | -1 | 0.983 | 9393749 | 1851468 | 1286 | 3215 | 1440 | 1.24(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:30 | 42:32 | -1 | 0.989 | 12015636 | 2220104 | 2057 | 5142 | 1079 | | |
| 361.8385 | 42:30 | 42:32 | -1 | 0.989 | 9737638 | 1808782 | 1286 | 3215 | 1407 | 1.23(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:59 | 43:00 | -1 | 1.001 | 12312418 | 2343403 | 2057 | 5142 | 1139 | | |
| 361.8385 | 42:59 | 43:00 | -1 | 1.001 | 9966406 | 1899593 | 1286 | 3215 | 1477 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | -1 | 1.000 | 22683794 | 3249771 | 2057 | 5142 | 1580 | | |
| 361.8385 | 44:08 | 44:09 | -1 | 1.000 | 18436872 | 2618323 | 1286 | 3215 | 2036 | 1.23(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | -1 | 1.000 | 22683794 | 3249771 | 2057 | 5142 | 1580 | | |
| 361.8385 | 44:08 | 44:09 | -1 | 1.000 | 18436872 | 2618323 | 1286 | 3215 | 2036 | 1.23(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:22 | 47:23 | -1 | 1.000 | 10669489 | 1937949 | 2057 | 5142 | 942 | | |
| 361.8385 | 47:22 | 47:23 | -1 | 1.000 | 8536067 | 1557373 | 1286 | 3215 | 1211 | 1.25(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:21 | 37:23 | -1 | 0.821 | 2157240 | 458274 | 63 | 157 | 7274 | | |
| 407.8398 | 37:21 | 37:23 | -1 | 0.821 | 2060304 | 424594 | 1 | 2 | 424594 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:24 | 40:25 | -1 | 0.888 | 5847309 | 1160553 | 63 | 157 | 18421 | | |
| 407.8398 | 40:25 | 40:25 | -1 | 0.888 | 5502852 | 1095605 | 1 | 2 | 1095605 | 1.06(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:31 | 45:32 | -1 | | 1667330 | 328650 | 63 | 157 | 5217 | | |
| 407.8398 | 45:31 | 45:32 | -1 | | 1571302 | 301604 | 1 | 2 | 301604 | 1.06(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:46 | 46:47 | -1 | 1.028 | 1417948 | 281552 | 63 | 157 | 4469 | | |
| 407.8398 | 46:46 | 46:47 | -1 | 1.028 | 1323217 | 260104 | 1 | 2 | 260104 | 1.07(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:53 | 49:54 | -1 | 1.096 | 2687300 | 518223 | 394 | 985 | 1315 | | |
| 407.8398 | 49:53 | 49:54 | -1 | 1.096 | 2571283 | 497943 | 535 | 1337 | 931 | 1.05(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:23 | 37:24 | -1 | 1.001 | 9760275 | 1972087 | 26 | 65 | 75850 | | |
| 395.7995 | 37:23 | 37:24 | -1 | 1.001 | 9368688 | 1888618 | 35 | 87 | 53961 | 1.04(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:43 | 37:44 | -1 | 1.009 | 9041010 | 1795811 | 26 | 65 | 69070 | | |
| 395.7995 | 37:43 | 37:44 | -1 | 1.009 | 8693120 | 1738453 | 35 | 87 | 49670 | 1.04(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:15 | 38:16 | -1 | 1.024 | 9320498 | 1842791 | 26 | 65 | 70877 | | |
| 395.7995 | 38:15 | 38:16 | -1 | 1.024 | 8916219 | 1780718 | 35 | 87 | 50878 | 1.05(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:36 | 38:36 | -1 | 1.033 | 9893850 | 1920524 | 26 | 65 | 73866 | | |
| 395.7995 | 38:36 | 38:36 | -1 | 1.033 | 9488107 | 1856576 | 35 | 87 | 53045 | 1.04(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:03 | 39:04 | -1 | 1.045 | 9351781 | 1826673 | 26 | 65 | 70257 | | |
| 395.7995 | 39:03 | 39:04 | -1 | 1.045 | 8990633 | 1759784 | 35 | 87 | 50280 | 1.04(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:26 | 40:27 | -1 | 1.082 | 6817949 | 1342525 | 26 | 65 | 51636 | | |
| 395.7995 | 40:26 | 40:27 | -1 | 1.082 | 6539210 | 1290804 | 35 | 87 | 36880 | 1.04(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:04 | 41:05 | -1 | 1.099 | 6924246 | 1387385 | 26 | 65 | 53361 | | |
| 395.7995 | 41:04 | 41:05 | -1 | 1.099 | 6578110 | 1320293 | 35 | 87 | 37723 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:21 | 41:22 | -1 | 1.107 | 7174361 | 1413322 | 26 | 65 | 54359 | | |
| 395.7995 | 41:21 | 41:22 | -1 | 1.107 | 6882903 | 1359629 | 35 | 87 | 38847 | 1.04(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:33 | 41:34 | -1 | 1.112 | 7348515 | 1475613 | 26 | 65 | 56754 | | |
| 395.7995 | 41:33 | 41:34 | -1 | 1.112 | 7024120 | 1389886 | 35 | 87 | 39711 | 1.05(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:57 | 41:59 | -1 | 1.123 | 14432639 | 1524231 | 26 | 65 | 58624 | | M |
| 395.7995 | 41:57 | 41:59 | -1 | 1.123 | 13830203 | 1473491 | 35 | 87 | 42100 | 1.04(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:57 | 41:59 | -1 | 1.123 | 14432639 | 1524231 | 26 | 65 | 58624 | | M |
| 395.7995 | 41:57 | 41:59 | -1 | 1.123 | 13830203 | 1473491 | 35 | 87 | 42100 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:12 | 42:12 | -1 | 1.129 | 6340820 | 1227538 | 26 | 65 | 47213 | | |
| 395.7995 | 42:12 | 42:12 | -1 | 1.129 | 6028847 | 1175480 | 35 | 87 | 33585 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:37 | 42:39 | -1 | 1.141 | 6082592 | 1178050 | 26 | 65 | 45310 | | |
| 395.7995 | 42:37 | 42:39 | -1 | 1.141 | 5812960 | 1138517 | 35 | 87 | 32529 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:01 | 43:02 | -1 | 1.152 | 7115317 | 1390660 | 26 | 65 | 53487 | | |
| 395.7995 | 43:01 | 43:02 | -1 | 1.152 | 6790472 | 1331017 | 35 | 87 | 38029 | 1.05(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -1 | 1.157 | 12173654 | 2005475 | 26 | 65 | 77134 | | |
| 395.7995 | 43:14 | 43:16 | -1 | 1.157 | 11728277 | 1934883 | 35 | 87 | 55282 | 1.04(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -1 | 1.157 | 12173654 | 2005475 | 26 | 65 | 77134 | | |
| 395.7995 | 43:14 | 43:16 | -1 | 1.157 | 11728277 | 1934883 | 35 | 87 | 55282 | 1.04(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:53 | 44:54 | -1 | 0.900 | 6377898 | 1238856 | 26 | 65 | 47648 | | |
| 395.7995 | 44:53 | 44:54 | -1 | 0.900 | 6123279 | 1189702 | 35 | 87 | 33991 | 1.04(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:10 | 45:11 | -1 | 0.905 | 8375453 | 1611171 | 26 | 65 | 61968 | | |
| 395.7995 | 45:10 | 45:11 | -1 | 0.905 | 7981216 | 1550496 | 35 | 87 | 44300 | 1.05(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:29 | 45:30 | -1 | 0.912 | 15701568 | 2028496 | 26 | 65 | 78019 | | |
| 395.7995 | 45:29 | 45:30 | -1 | 0.912 | 15082224 | 1964314 | 35 | 87 | 56123 | 1.04(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:29 | 45:30 | -1 | 0.912 | 15701568 | 2028496 | 26 | 65 | 78019 | | |
| 395.7995 | 45:29 | 45:30 | -1 | 0.912 | 15082224 | 1964314 | 35 | 87 | 56123 | 1.04(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:53 | 45:55 | -1 | 0.920 | 8959946 | 1732990 | 26 | 65 | 66653 | | |
| 395.7995 | 45:53 | 45:55 | -1 | 0.920 | 8577257 | 1655025 | 35 | 87 | 47286 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:48 | 46:48 | -1 | 0.938 | 6336231 | 1203328 | 26 | 65 | 46282 | | |
| 395.7995 | 46:48 | 46:48 | -1 | 0.938 | 5992478 | 1151924 | 35 | 87 | 32912 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:19 | 47:20 | -1 | 0.948 | 8850126 | 1680326 | 26 | 65 | 64628 | | |
| 395.7995 | 47:19 | 47:20 | -1 | 0.948 | 8412945 | 1609084 | 35 | 87 | 45974 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:54 | 49:56 | -1 | 1.000 | 12575413 | 2364918 | 672 | 1680 | 3519 | | |
| 395.7995 | 49:54 | 49:56 | -1 | 1.000 | 11953703 | 2263745 | 514 | 1285 | 4404 | 1.05(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:44 | 42:45 | -1 | 0.822 | 1547730 | 303308 | 12 | 30 | 25276 | | |
| 441.8008 | 42:44 | 42:45 | -1 | 0.822 | 1696787 | 327982 | 61 | 152 | 5377 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:00 | 52:01 | -1 | | 1666079 | 318102 | 240 | 600 | 1325 | | |
| 441.8008 | 52:00 | 52:01 | -1 | | 1818215 | 341606 | 162 | 405 | 2109 | 0.92(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:28 | 52:30 | -2 | 1.009 | 2154612 | 401307 | 240 | 600 | 1672 | | |
| 441.8008 | 52:28 | 52:30 | -2 | 1.009 | 2374521 | 451935 | 162 | 405 | 2790 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:45 | 42:47 | -1 | 1.001 | 5997613 | 1187645 | 20 | 50 | 59382 | | |
| 429.7606 | 42:45 | 42:47 | -1 | 1.001 | 6599123 | 1300153 | 21 | 52 | 61912 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:41 | 43:42 | -1 | 1.022 | 6597378 | 1292849 | 20 | 50 | 64642 | | |
| 429.7606 | 43:41 | 43:42 | -1 | 1.022 | 7257037 | 1424324 | 21 | 52 | 67825 | 0.91(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:22 | 44:23 | -1 | 1.038 | 6240533 | 1223215 | 20 | 50 | 61161 | | |
| 429.7606 | 44:22 | 44:23 | -1 | 1.038 | 6845697 | 1333952 | 21 | 52 | 63522 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:35 | 44:36 | -1 | 1.043 | 6617208 | 1315481 | 20 | 50 | 65774 | | |
| 429.7606 | 44:35 | 44:36 | -1 | 1.043 | 7293370 | 1438870 | 21 | 52 | 68518 | 0.91(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:41 | 44:42 | -1 | 1.046 | 6399659 | 1253341 | 20 | 50 | 62667 | | |
| 429.7606 | 44:41 | 44:42 | -1 | 1.046 | 7052144 | 1376890 | 21 | 52 | 65566 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:28 | 47:30 | -1 | 1.111 | 9143193 | 1202997 | 20 | 50 | 60150 | | |
| 429.7606 | 47:28 | 47:30 | -1 | 1.111 | 10098026 | 1327627 | 21 | 52 | 63220 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:28 | 47:30 | -1 | 1.111 | 9143193 | 1202997 | 20 | 50 | 60150 | | |
| 429.7606 | 47:28 | 47:30 | -1 | 1.111 | 10098026 | 1327627 | 21 | 52 | 63220 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:10 | 48:10 | -1 | 0.918 | 4850654 | 934198 | 20 | 50 | 46710 | | |
| 429.7606 | 48:10 | 48:10 | -1 | 0.918 | 5333542 | 1022427 | 21 | 52 | 48687 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:22 | 48:22 | -1 | 0.922 | 5124343 | 973897 | 20 | 50 | 48695 | | |
| 429.7606 | 48:22 | 48:22 | -1 | 0.922 | 5686850 | 1074062 | 21 | 52 | 51146 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:40 | 49:42 | -1 | 0.947 | 6410117 | 1218154 | 370 | 925 | 3292 | | |
| 429.7606 | 49:40 | 49:42 | -1 | 0.947 | 7140902 | 1355804 | 487 | 1217 | 2784 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:02 | 52:03 | -2 | 0.992 | 7498711 | 1421099 | 370 | 925 | 3841 | | |
| 429.7606 | 52:02 | 52:03 | -2 | 0.992 | 8330875 | 1583167 | 487 | 1217 | 3251 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:30 | 52:31 | -2 | 1.000 | 9650870 | 1816364 | 370 | 925 | 4909 | | |
| 429.7606 | 52:30 | 52:31 | -2 | 1.000 | 10734622 | 2022916 | 487 | 1217 | 4154 | 0.90(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:25 | 49:26 | -1 | 0.950 | 1791167 | 339726 | 382 | 955 | 889 | | |
| 475.7619 | 49:25 | 49:26 | -1 | 0.950 | 2250700 | 433284 | 389 | 972 | 1114 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:14 | 54:15 | -1 | 1.043 | 1433326 | 265689 | 382 | 955 | 696 | | |
| 475.7619 | 54:14 | 54:15 | -1 | 1.043 | 1738449 | 325907 | 389 | 972 | 838 | 0.82(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:27 | 49:28 | -1 | 1.001 | 7502807 | 1424592 | 427 | 1067 | 3336 | | |
| 463.7216 | 49:27 | 49:28 | -1 | 1.001 | 9513788 | 1808037 | 529 | 1322 | 3418 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:23 | 50:24 | -1 | 1.020 | 7948689 | 1513473 | 427 | 1067 | 3544 | | |
| 463.7216 | 50:23 | 50:24 | -1 | 1.020 | 10041708 | 1887923 | 529 | 1322 | 3569 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:16 | 54:17 | -1 | 1.000 | 6141170 | 1147870 | 427 | 1067 | 2688 | | |
| 463.7216 | 54:16 | 54:17 | -1 | 1.000 | 7813189 | 1452892 | 529 | 1322 | 2746 | 0.79(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:54 | 55:55 | -1 | 1.075 | 1424830 | 251066 | 46 | 115 | 5458 | | |
| 509.7229 | 55:54 | 55:55 | -1 | 1.075 | 2012514 | 351553 | 45 | 112 | 7812 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:55 | 55:56 | -1 | 1.000 | 6606749 | 1146957 | 19 | 47 | 60366 | | |
| 497.6826 | 55:54 | 55:56 | -2 | 1.000 | 9271771 | 1594110 | 24 | 60 | 66421 | 0.71(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61L41668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville

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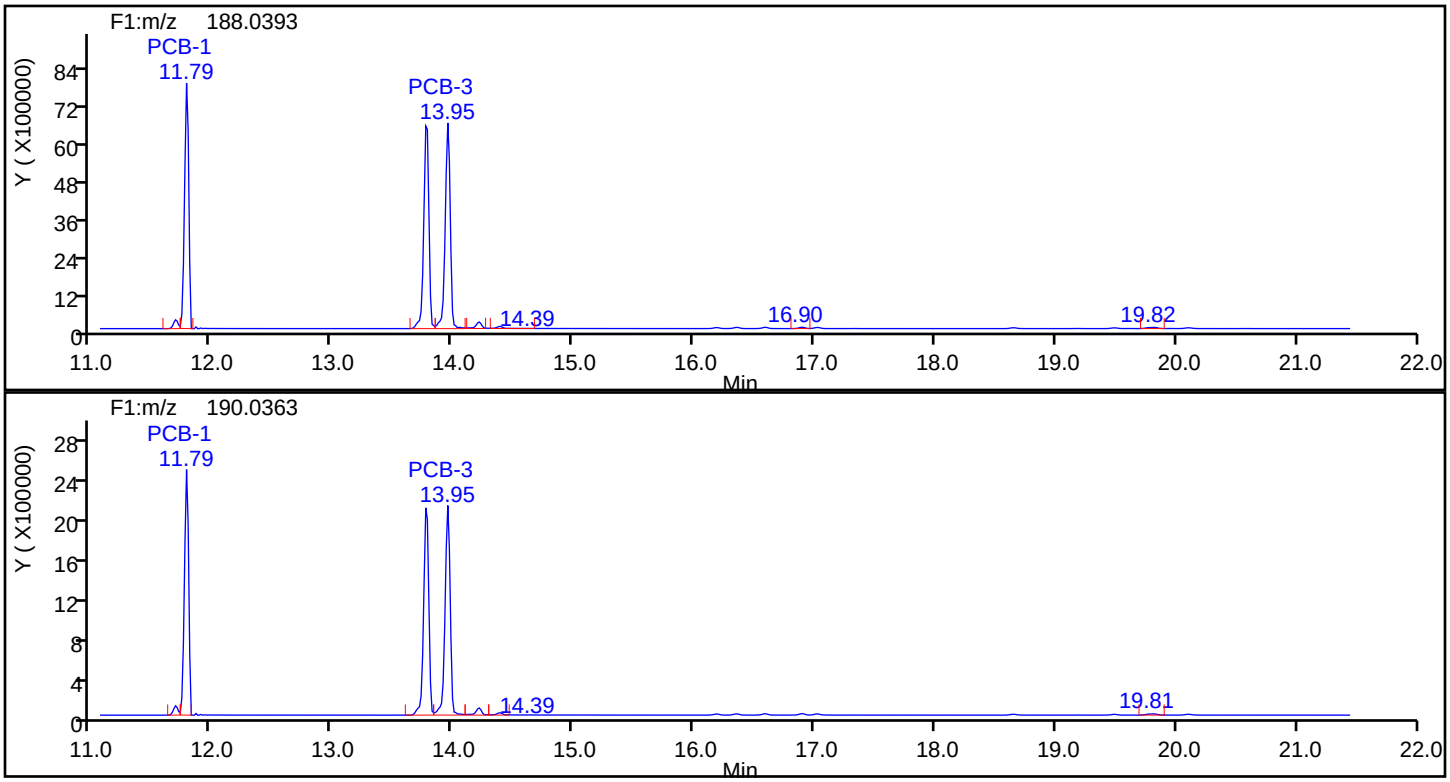
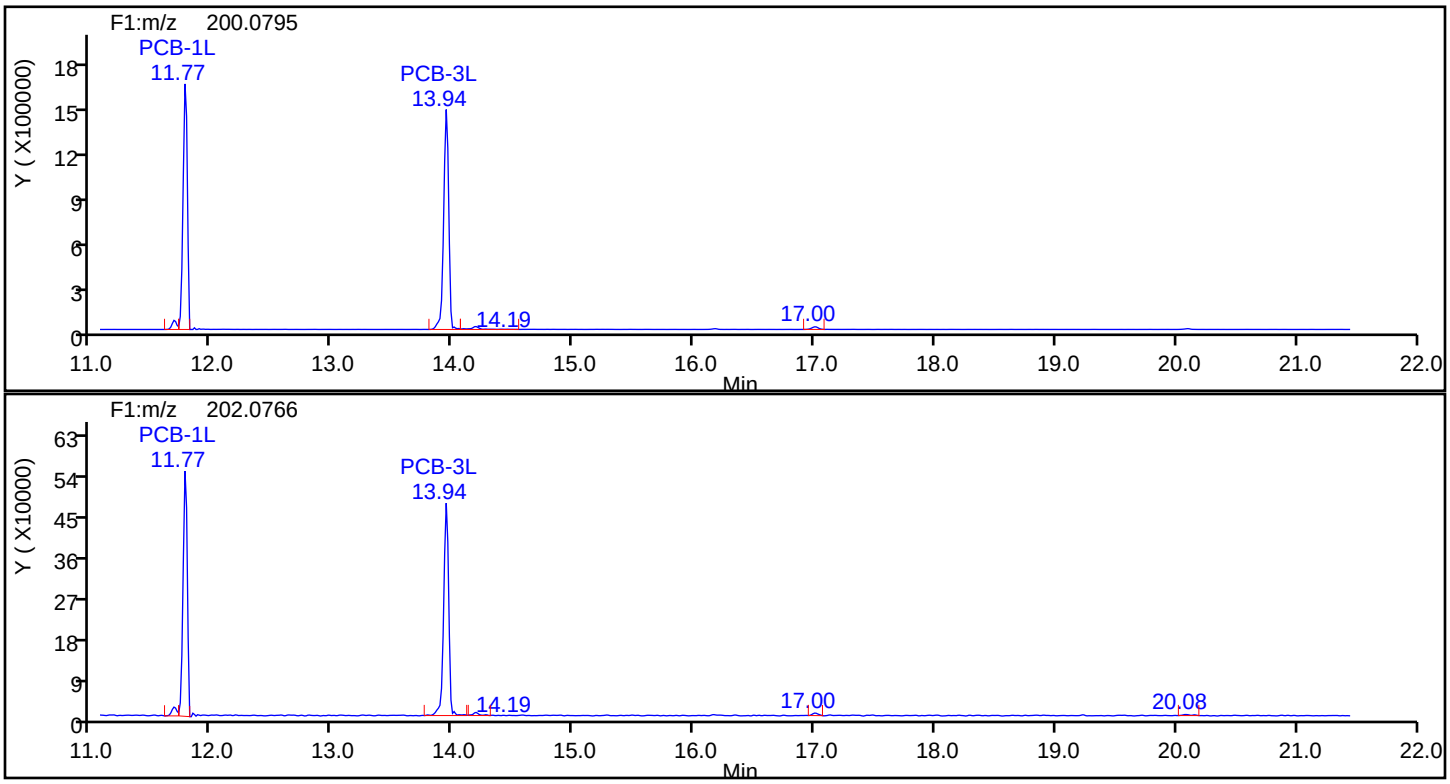
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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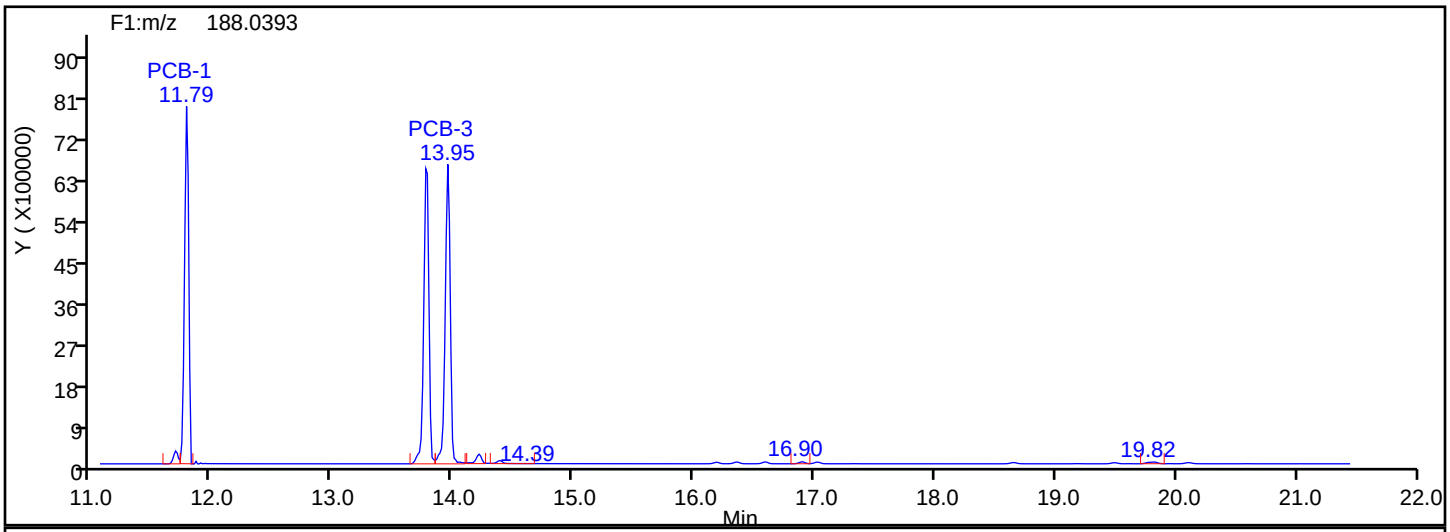
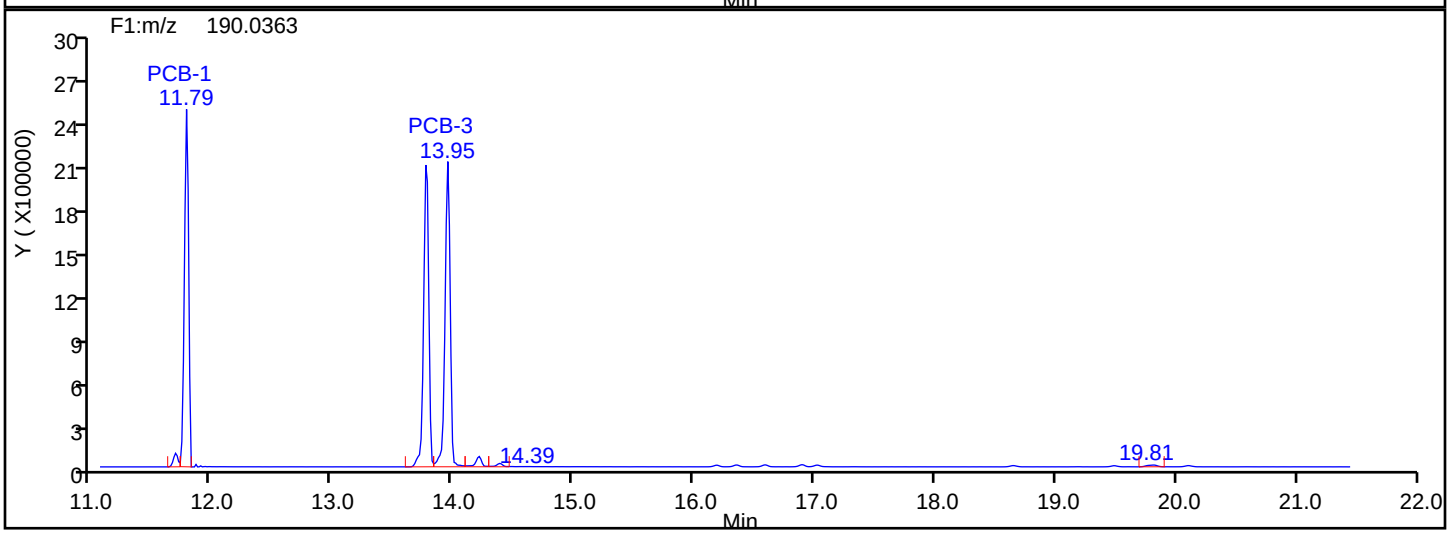
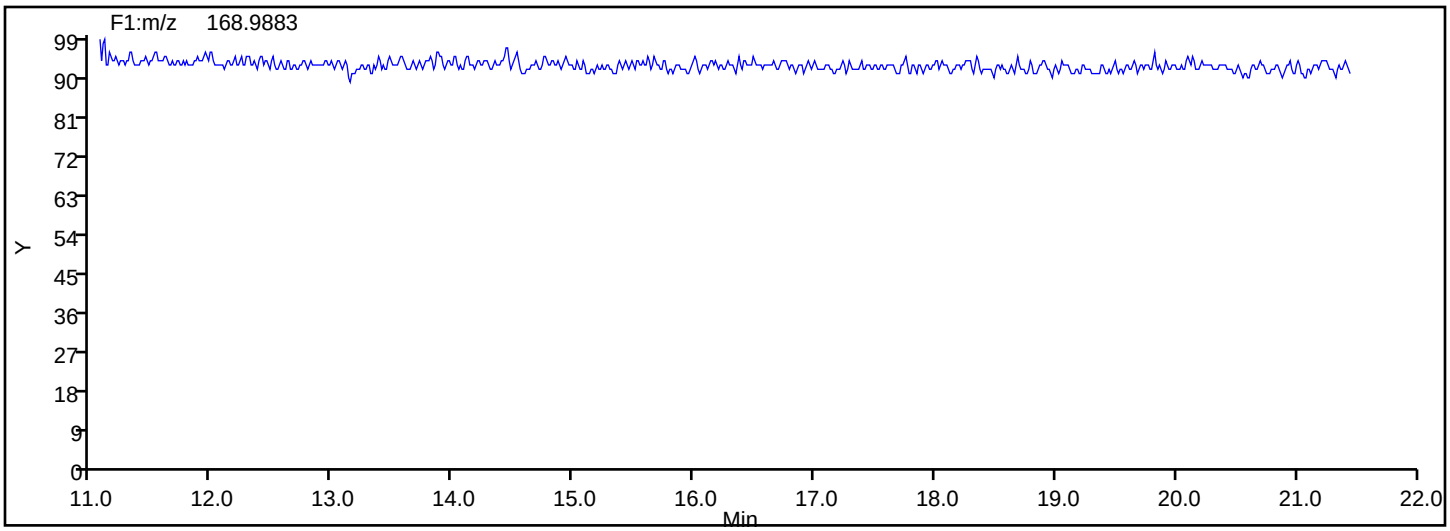
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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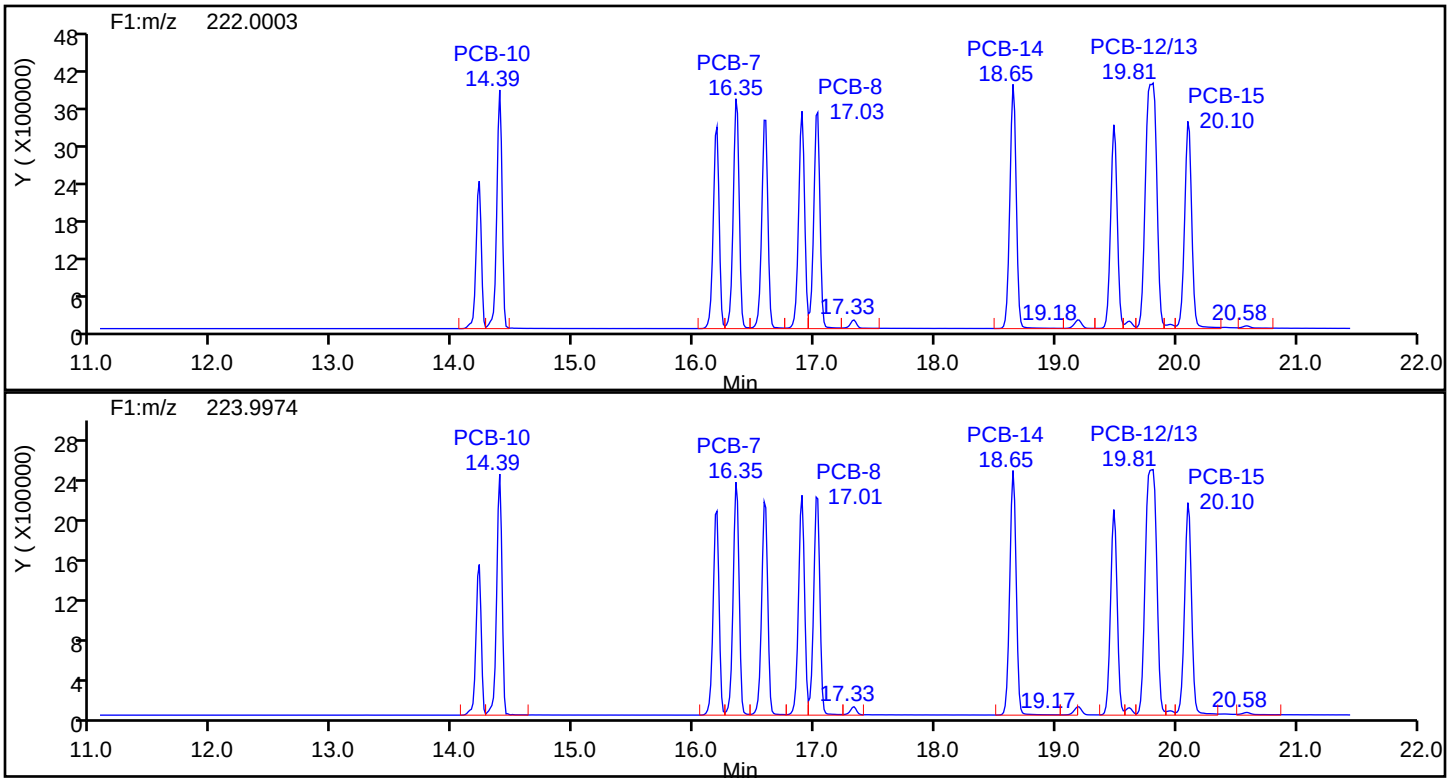
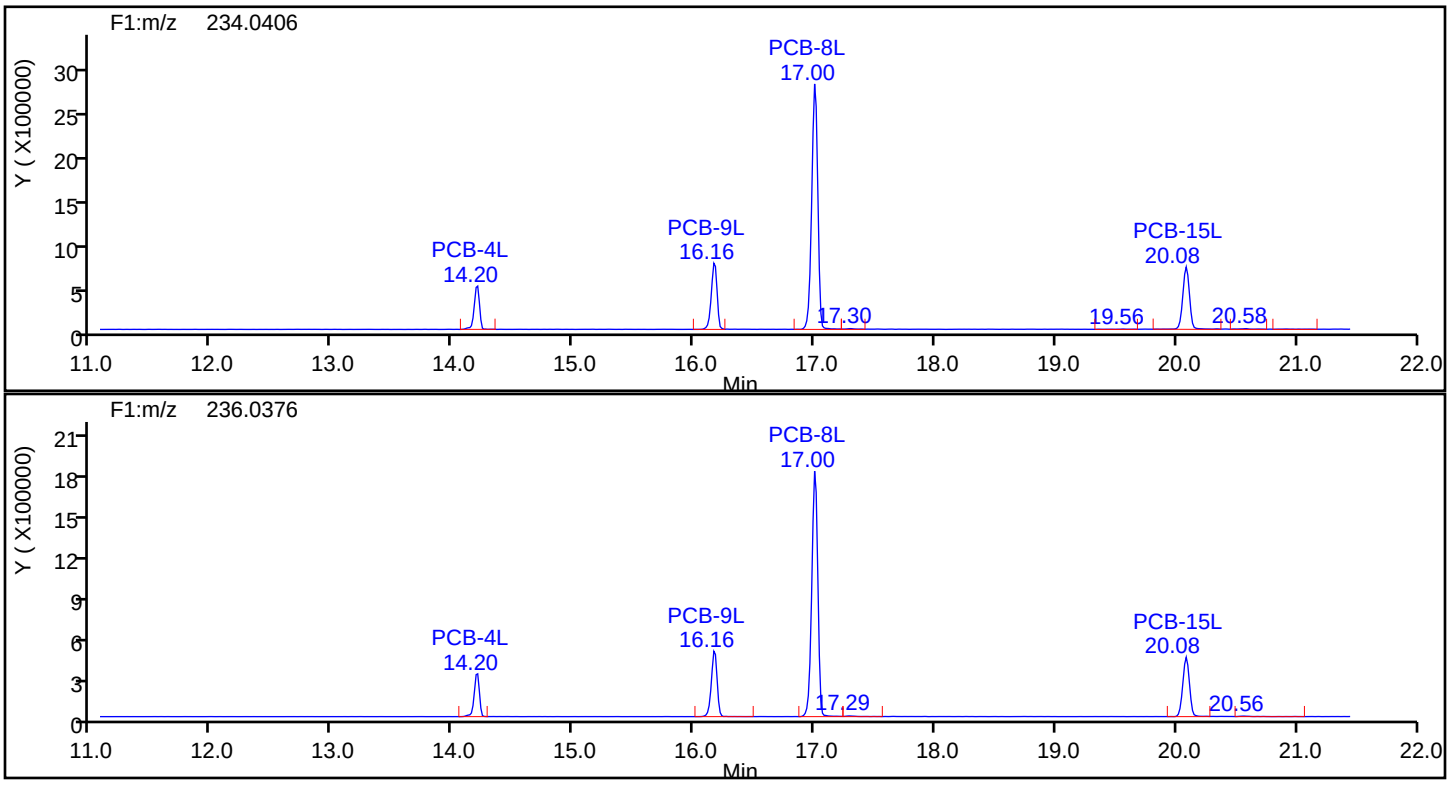
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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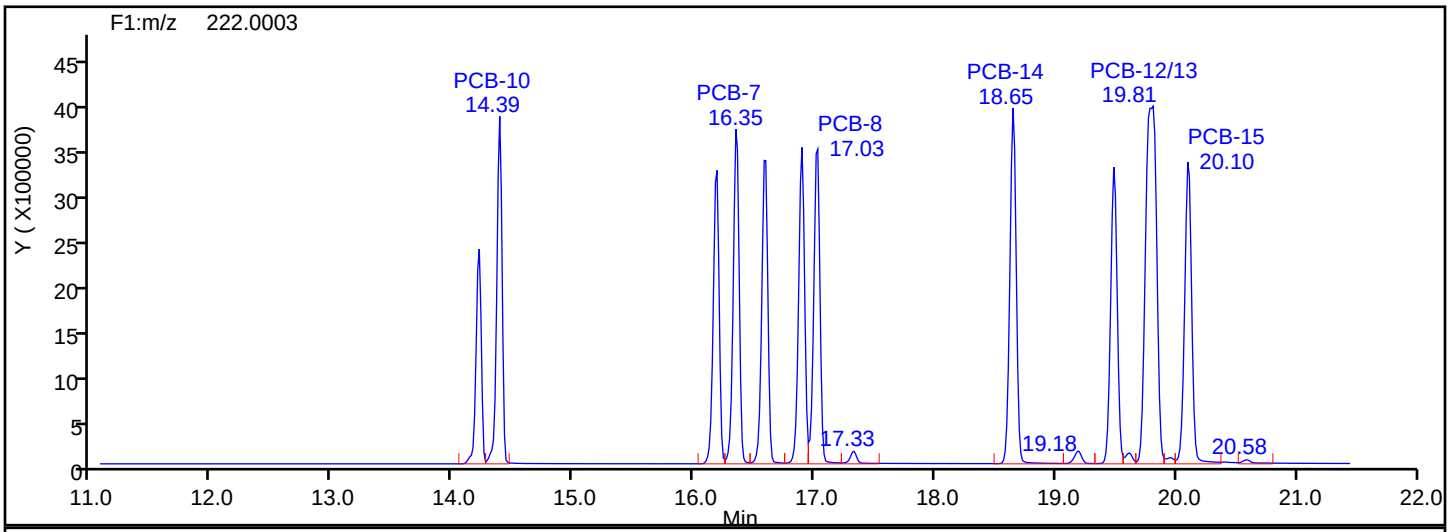
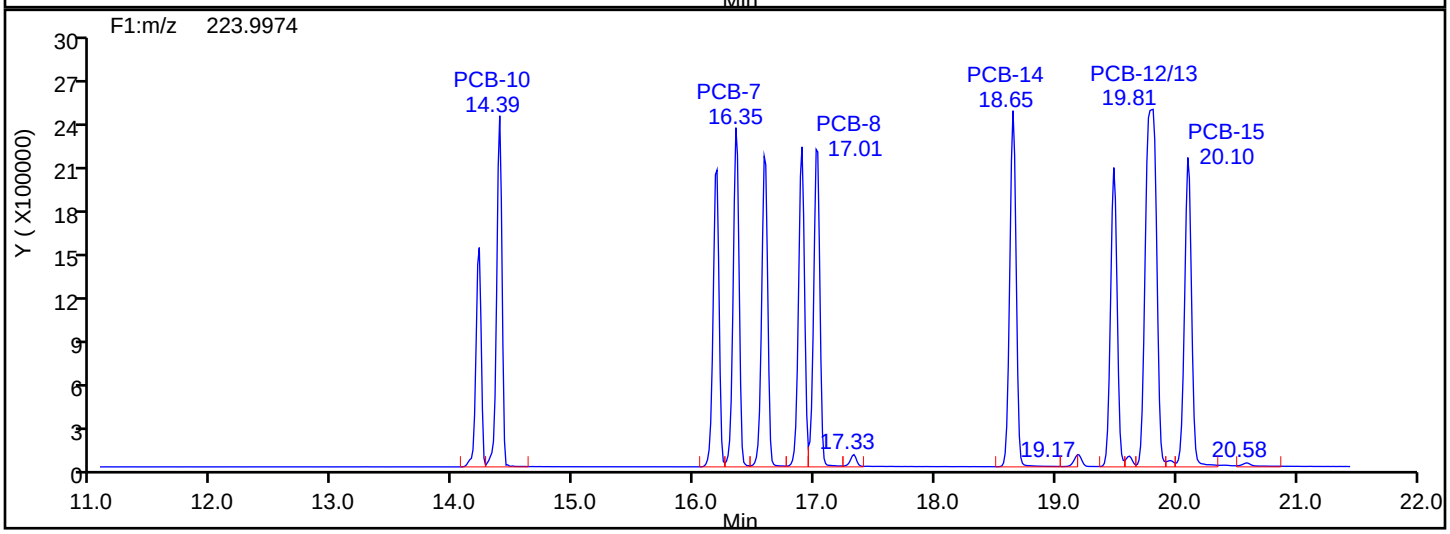
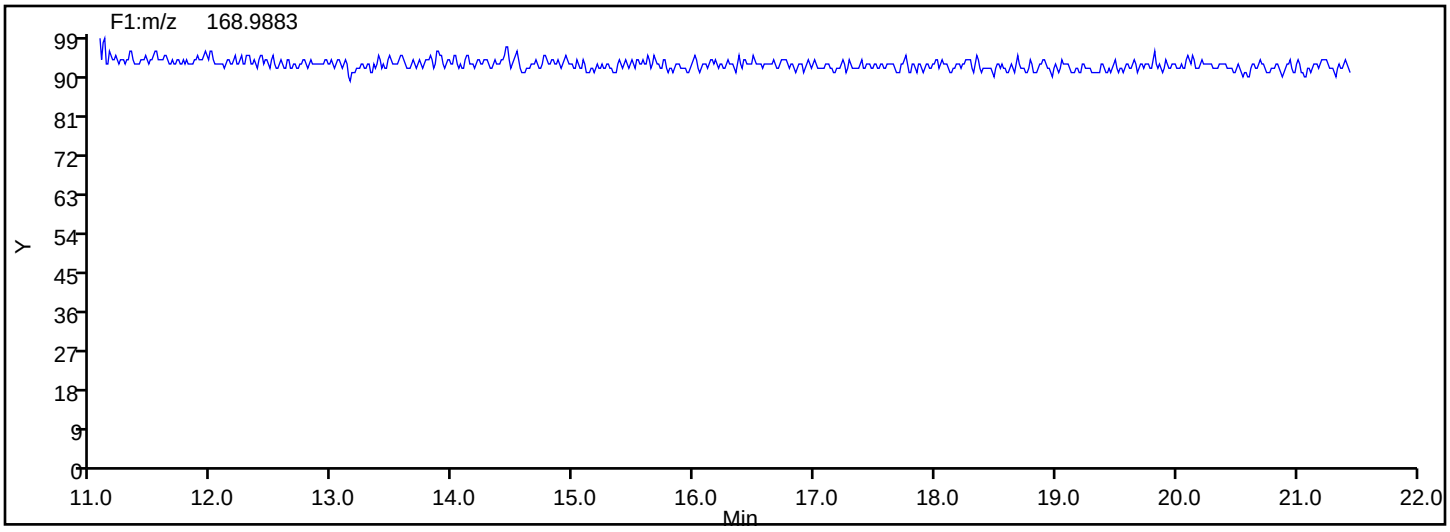
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Report Date: 30-Aug-2019 11:38:20 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

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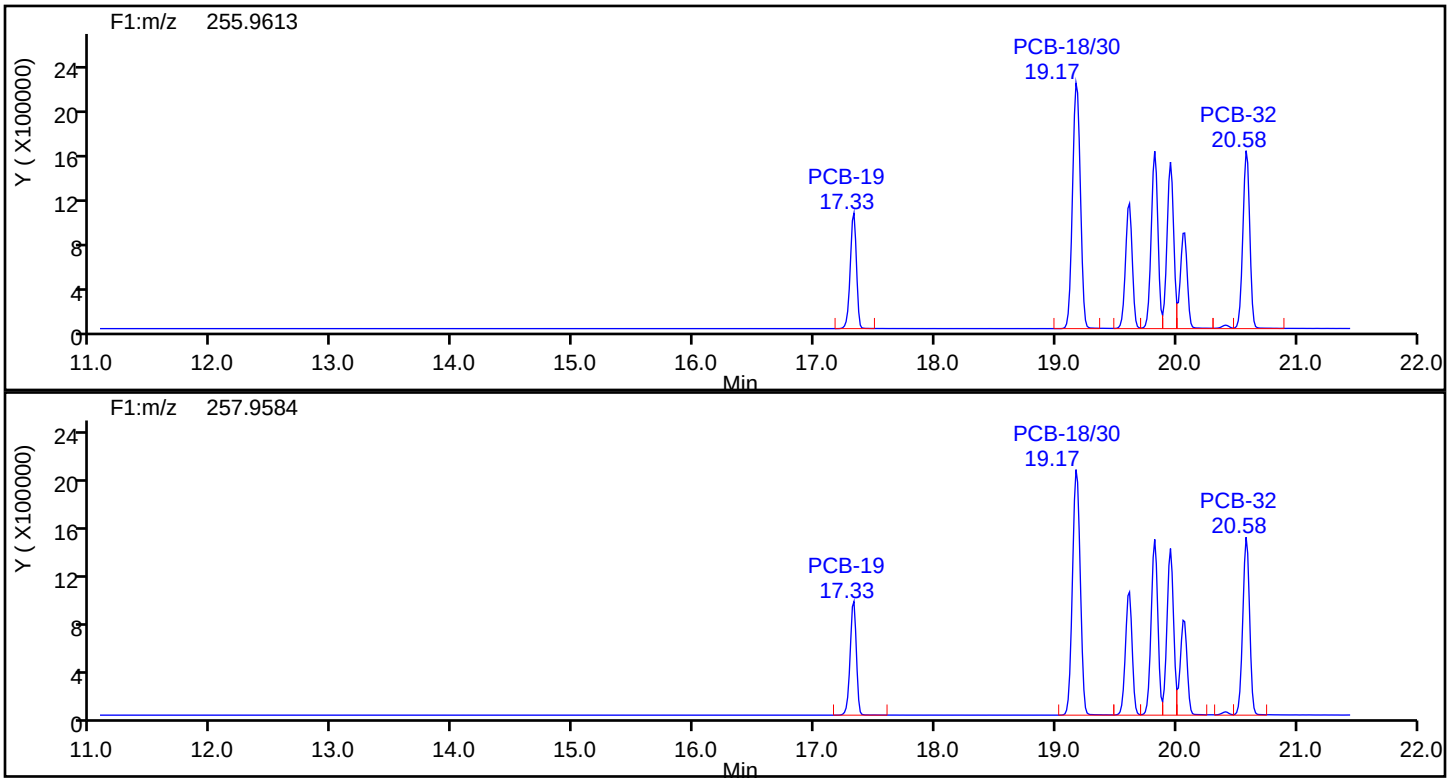
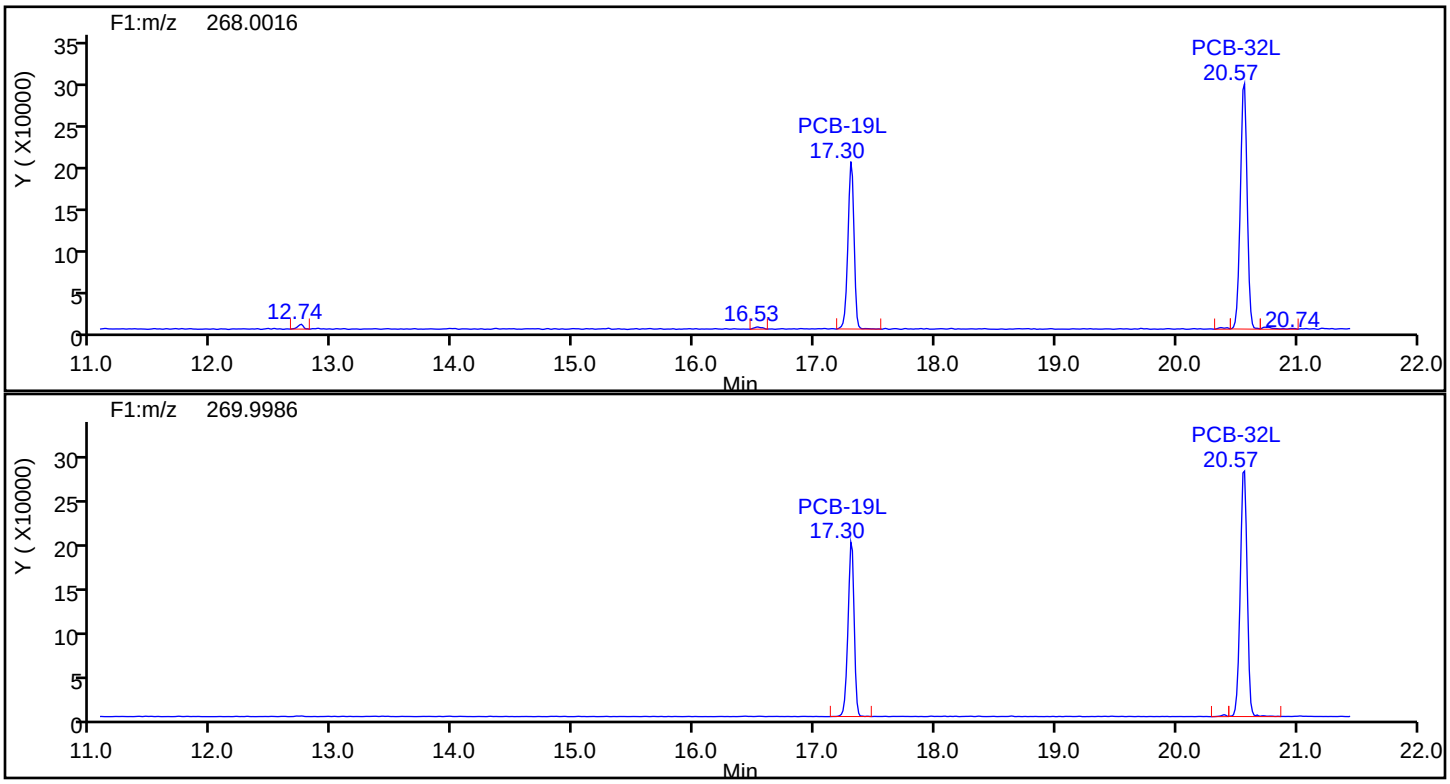
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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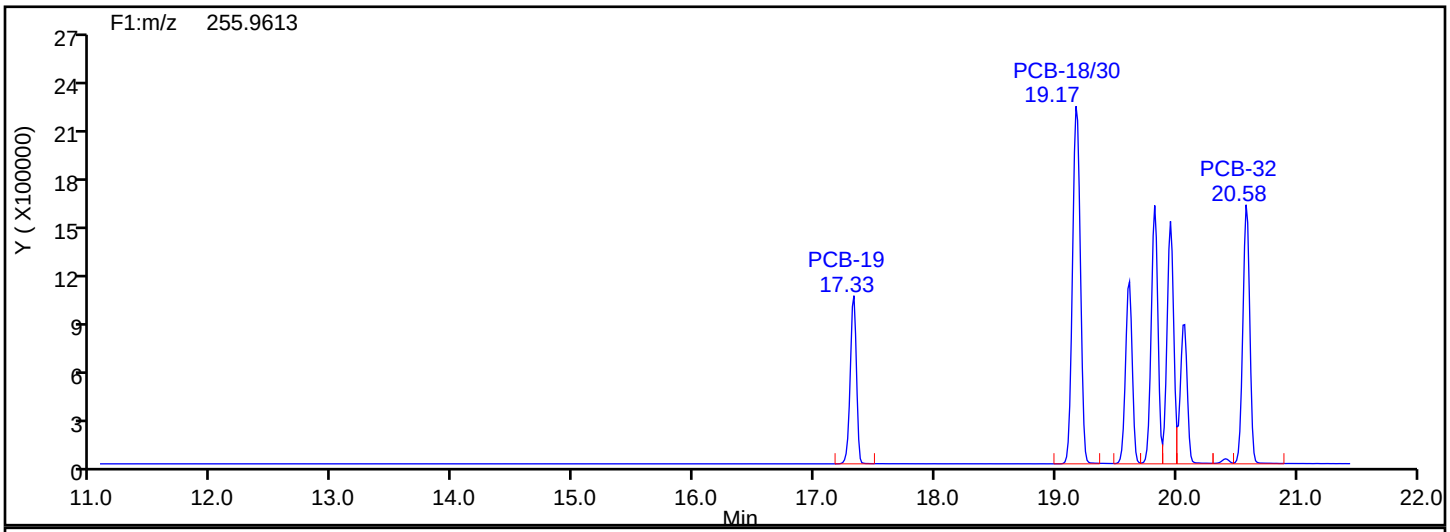
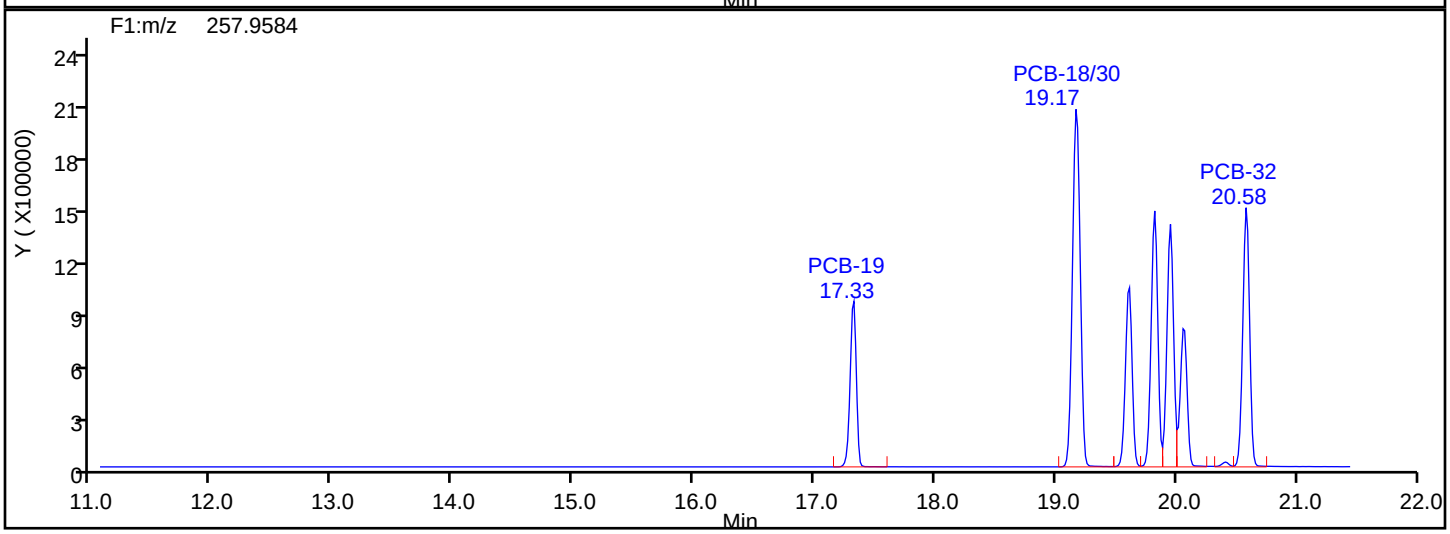
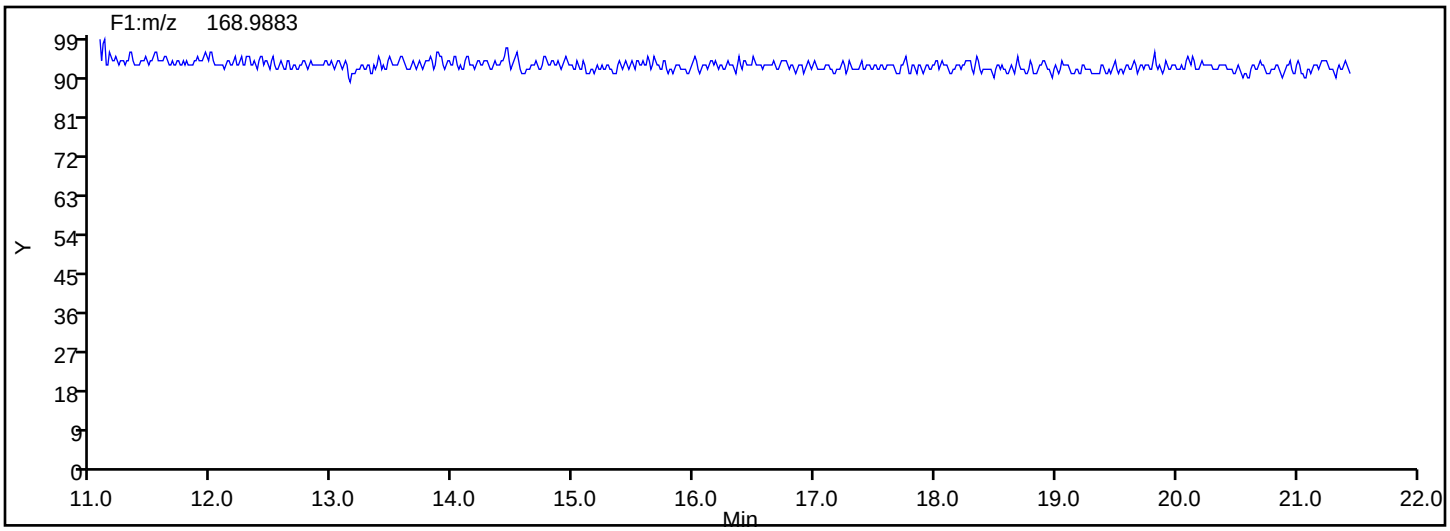
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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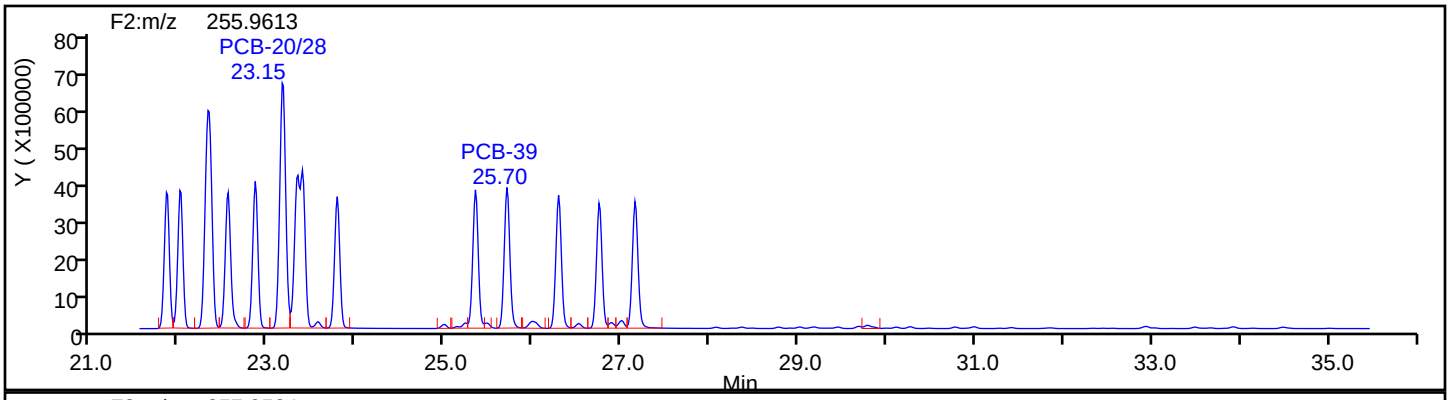
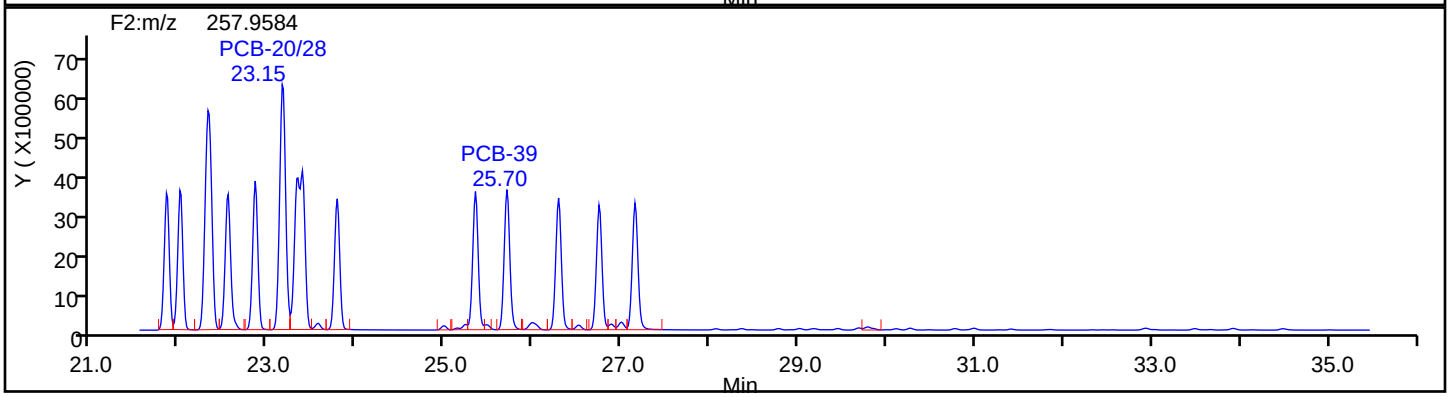
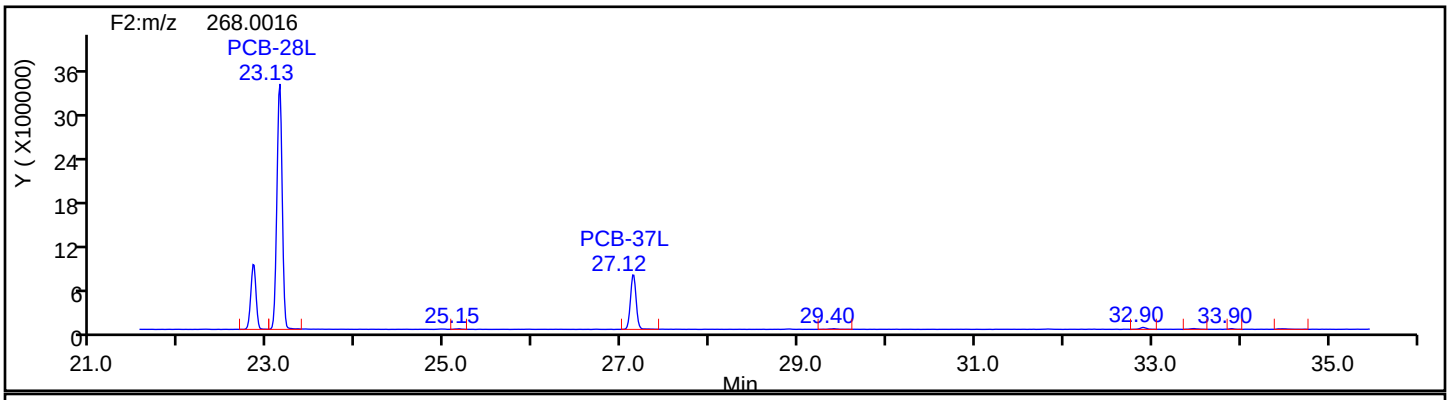
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

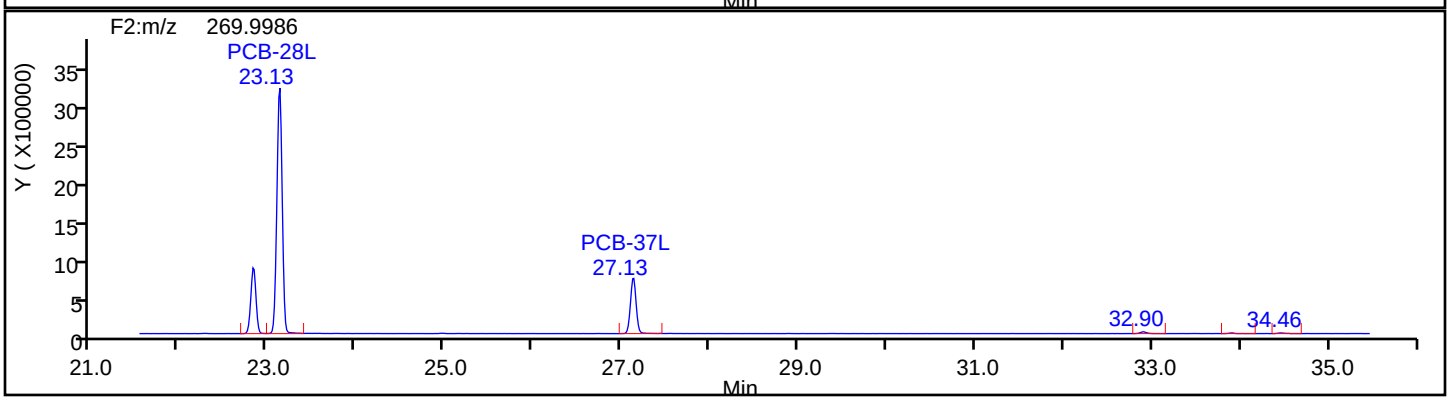
TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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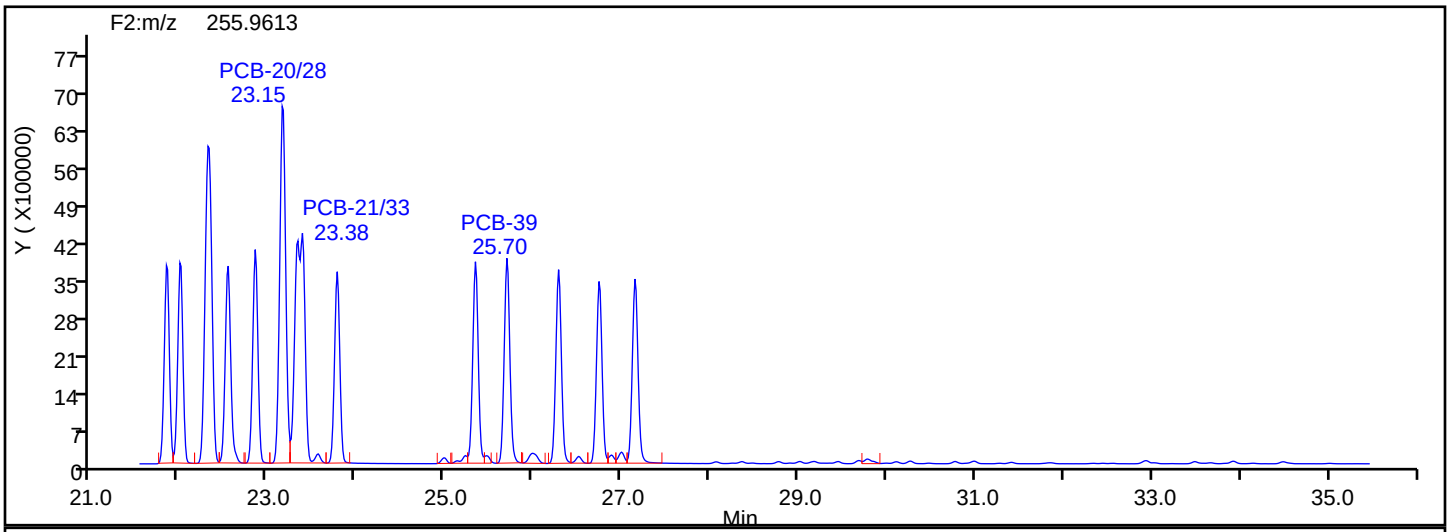
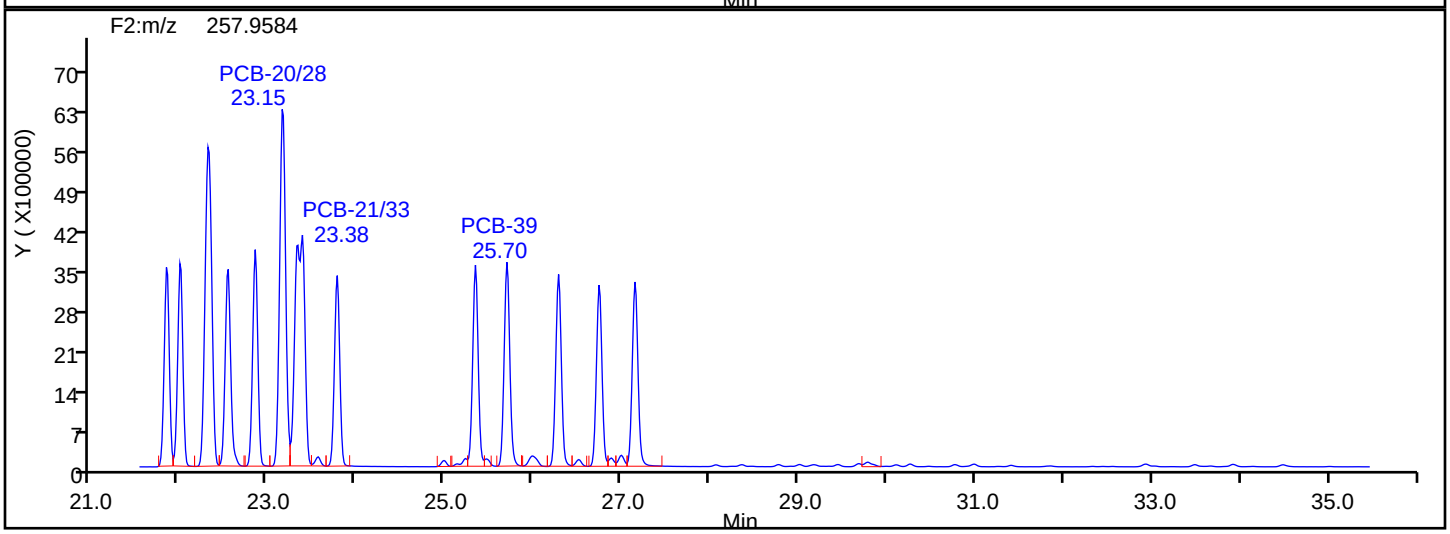
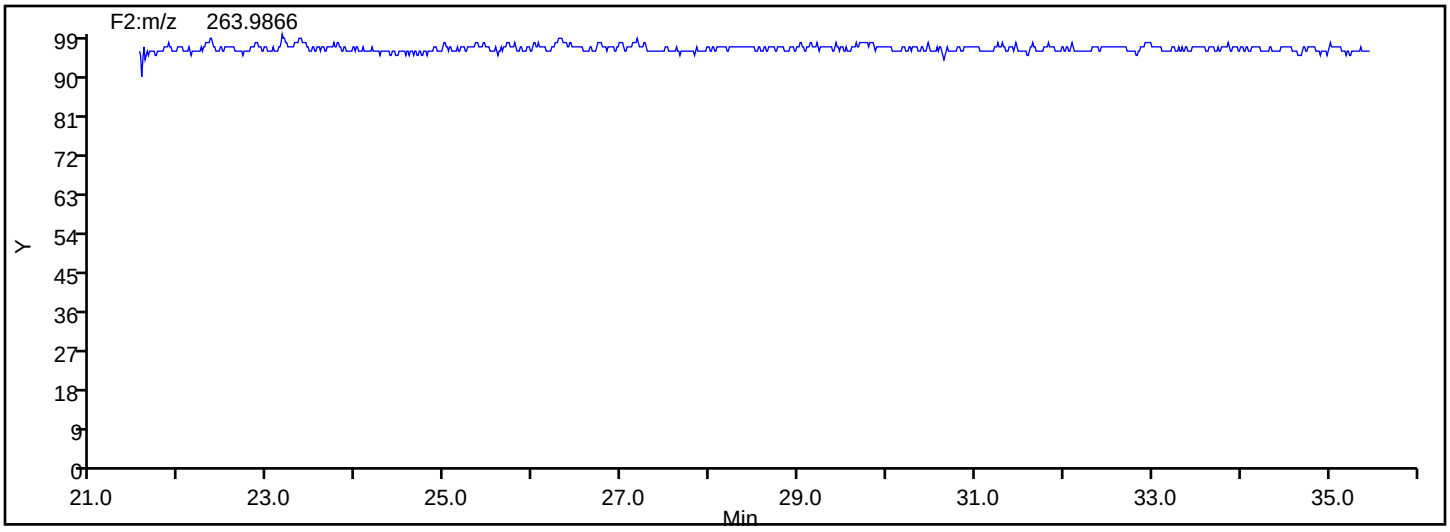
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 2

Processing Integration Results

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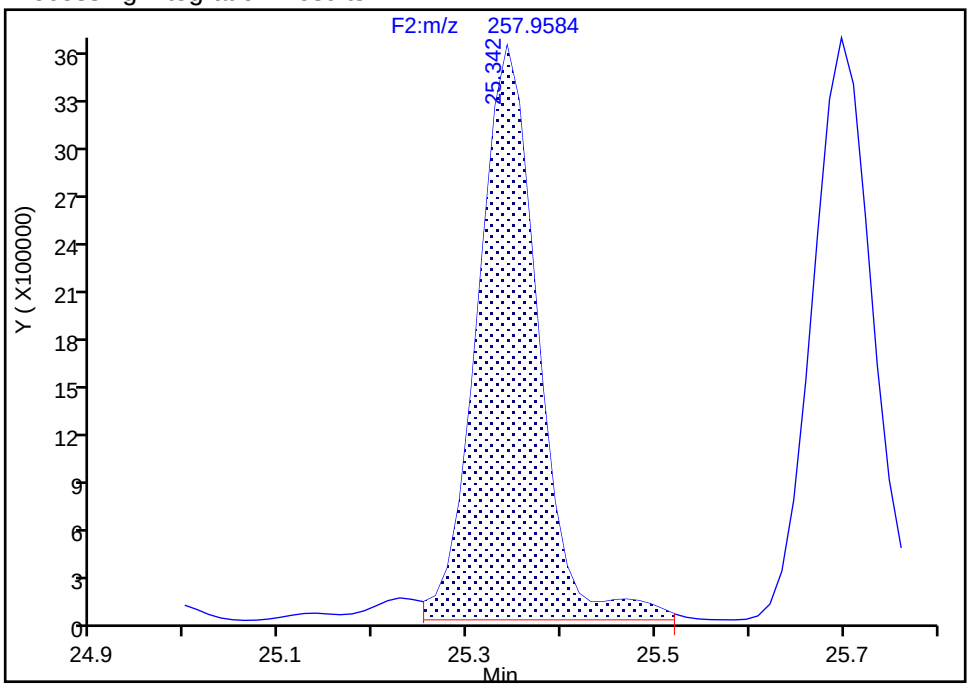
Area: 15833657
Amount: 360.2038
Amount Units: pg/ul




Manual Integration Results

RT: 25.34
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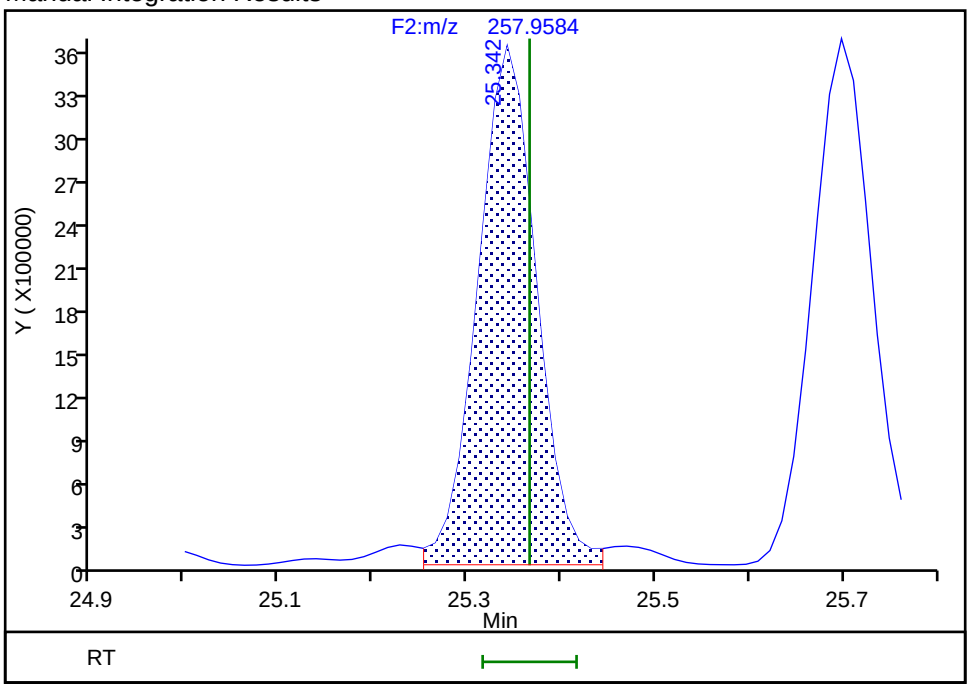
Amount: 354.8098
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:38:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

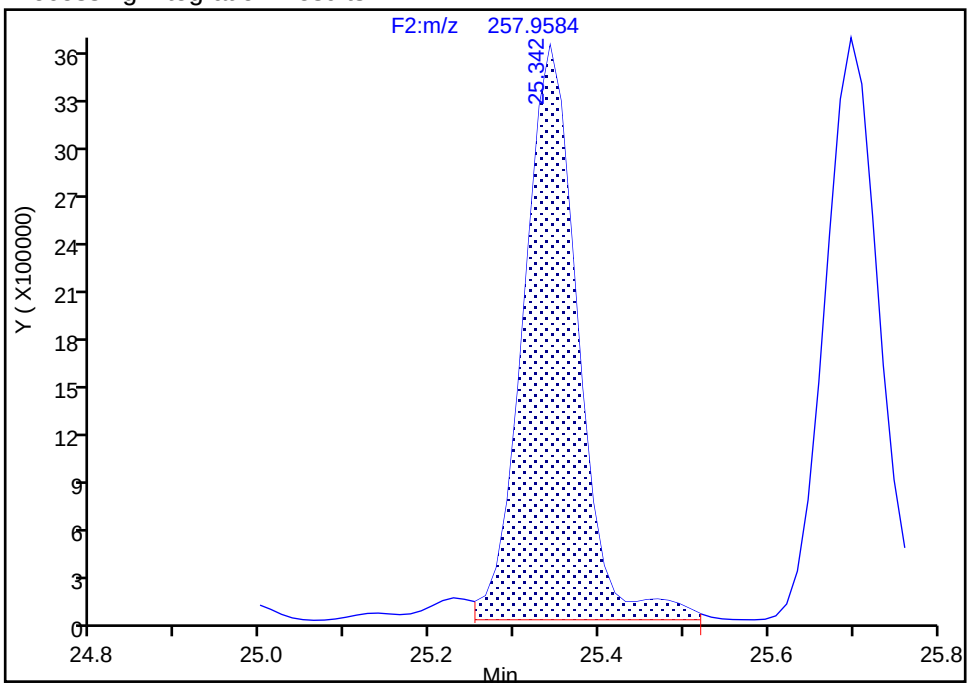
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 3

Processing Integration Results

RT: 25.34
Area: 32753211
Amount: 360.2038
Amount Units: pg/ul




Manual Integration Results

RT: 25.34
Area: 31776768
Amount: 354.8098
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:38:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

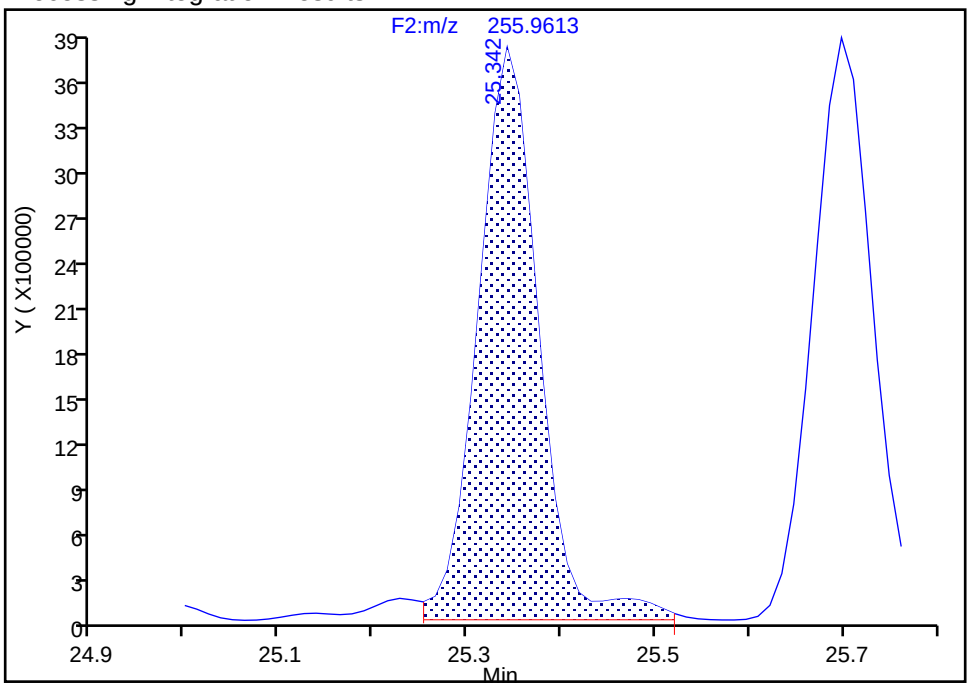
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 1

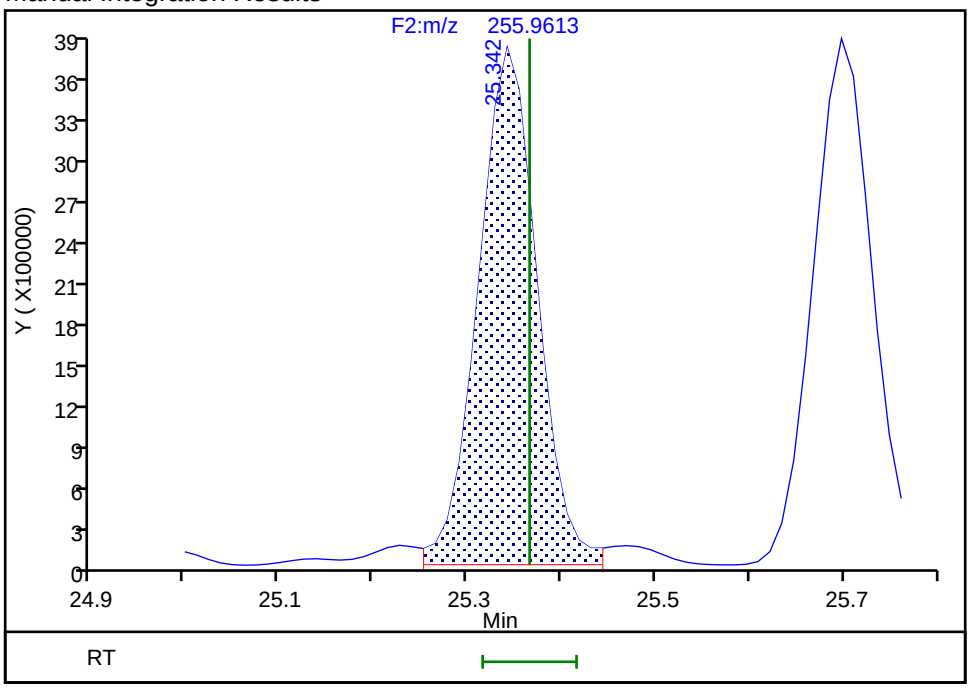
Processing Integration Results

RT: 25.34
Area: 16919554
Amount: 360.2038
Amount Units: pg/ul




Manual Integration Results

RT: 25.34
Area: 16408640
Amount: 354.8098
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:39:00
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

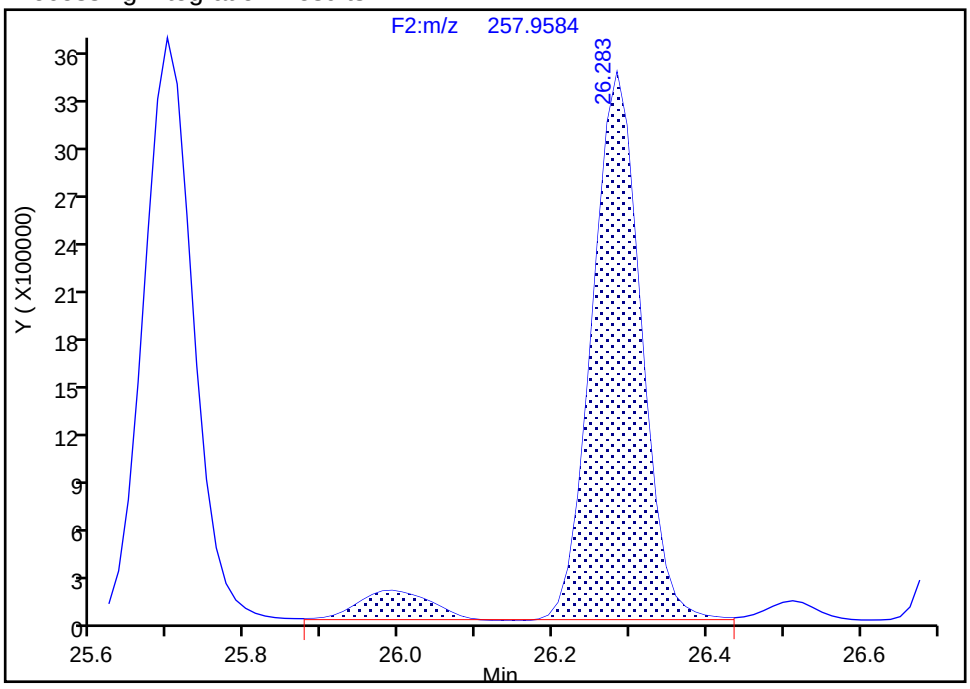
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-38, CAS: 53555-66-1

Signal: 2

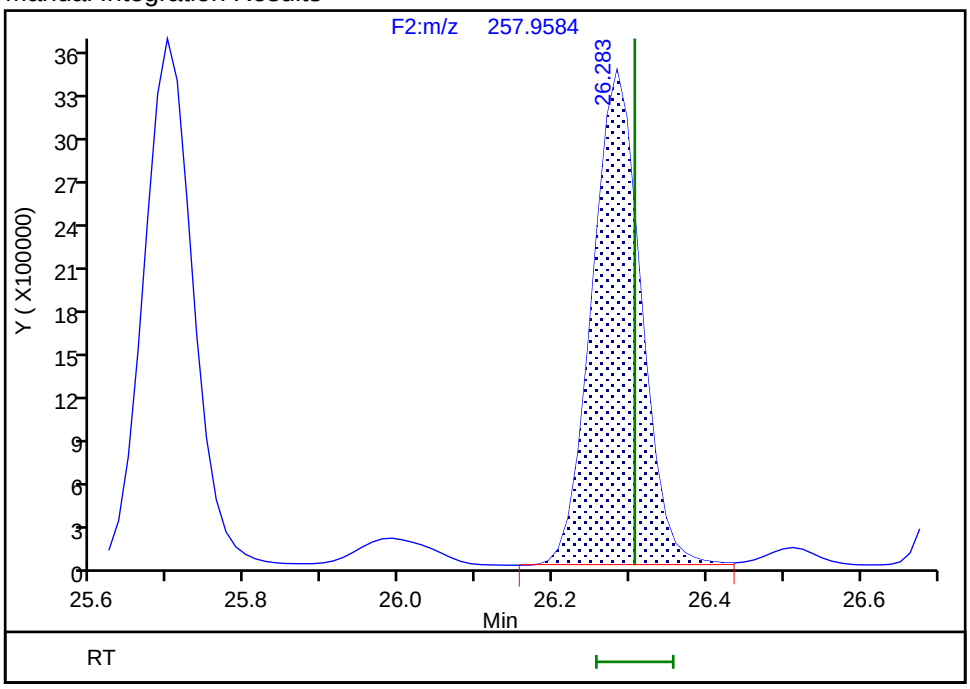
Processing Integration Results

RT: 26.28
Area: 16064492
Amount: 362.8000
Amount Units: pg/ul




Manual Integration Results

RT: 26.28
Area: 14900851
Amount: 352.0620
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:33:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

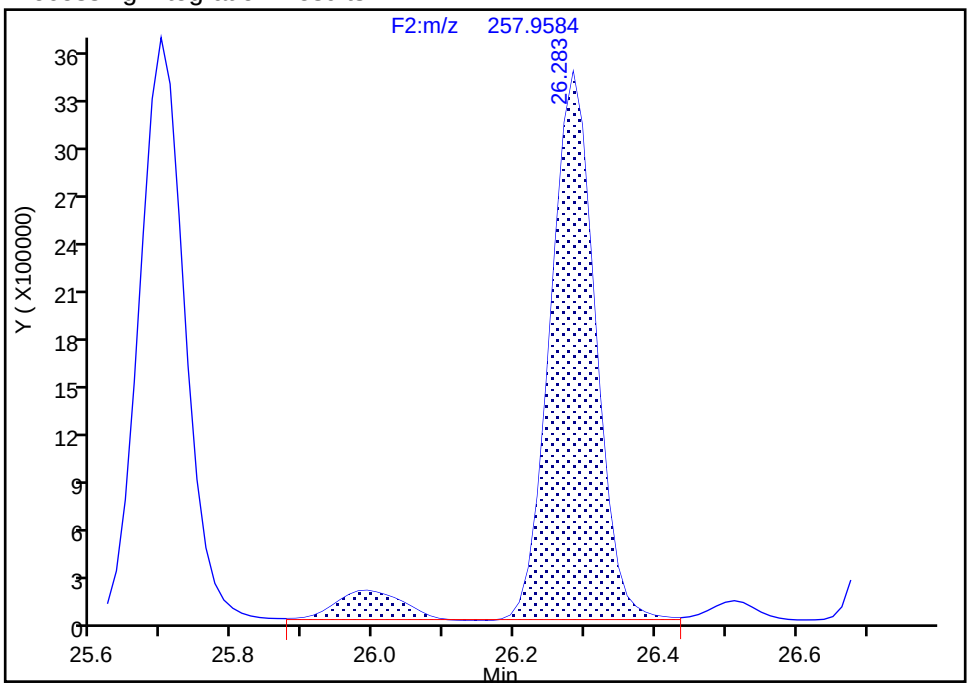
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-38, CAS: 53555-66-1

Signal: 3

Processing Integration Results

RT: 26.28
Area: 32011374
Amount: 362.8000
Amount Units: pg/ul




Manual Integration Results

RT: 26.28
Area: 30847733
Amount: 352.0620
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:33:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

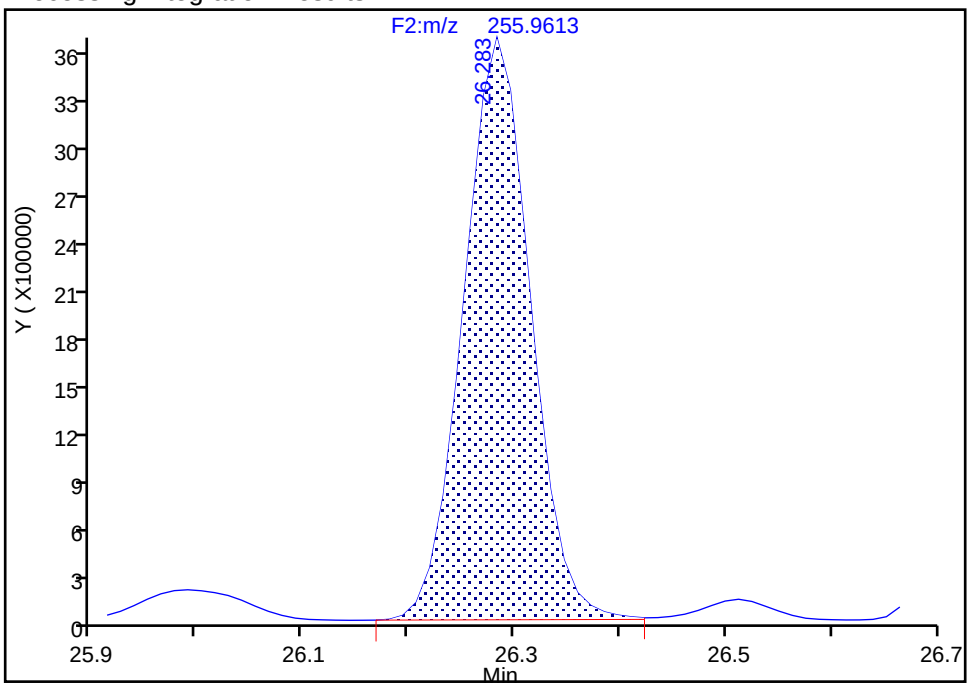
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-38, CAS: 53555-66-1

Signal: 1

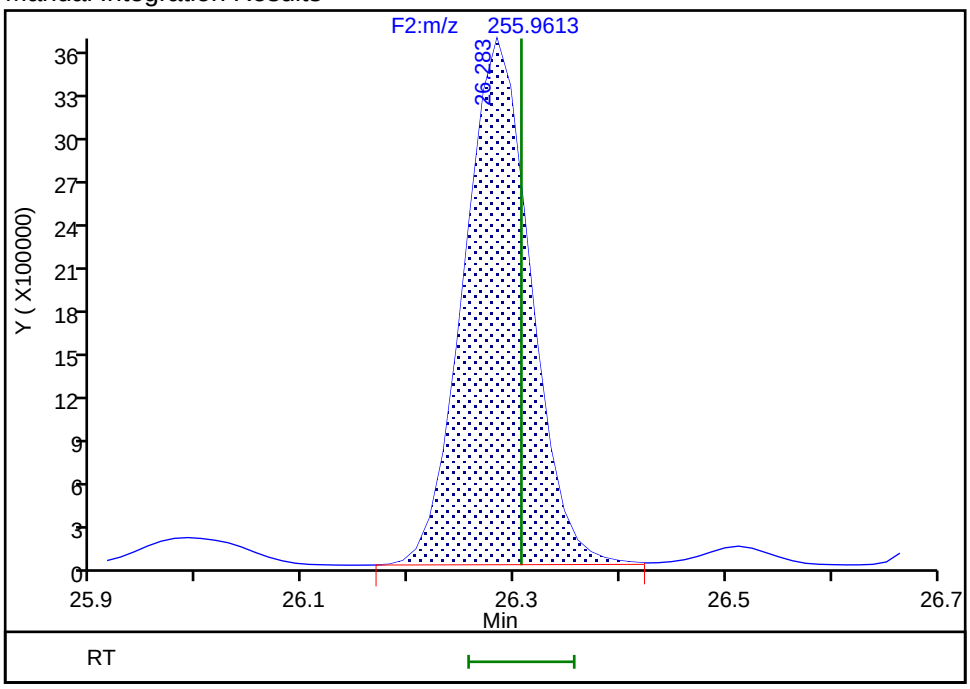
Processing Integration Results

RT: 26.28
Area: 15946882
Amount: 362.8000
Amount Units: pg/ul




Manual Integration Results

RT: 26.28
Area: 15946882
Amount: 352.0620
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:33:19
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

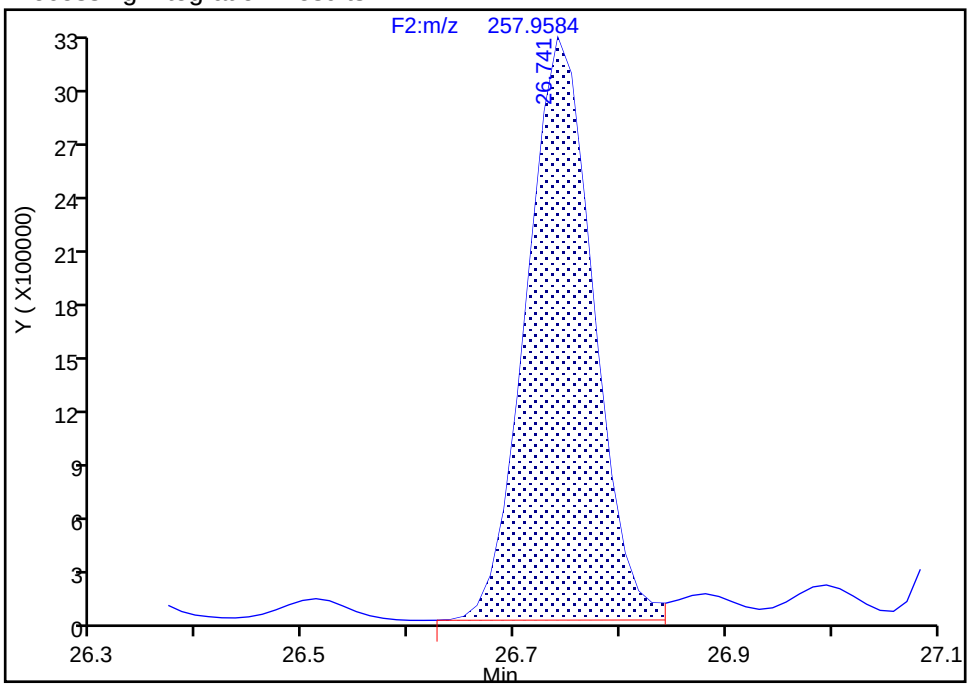
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 2

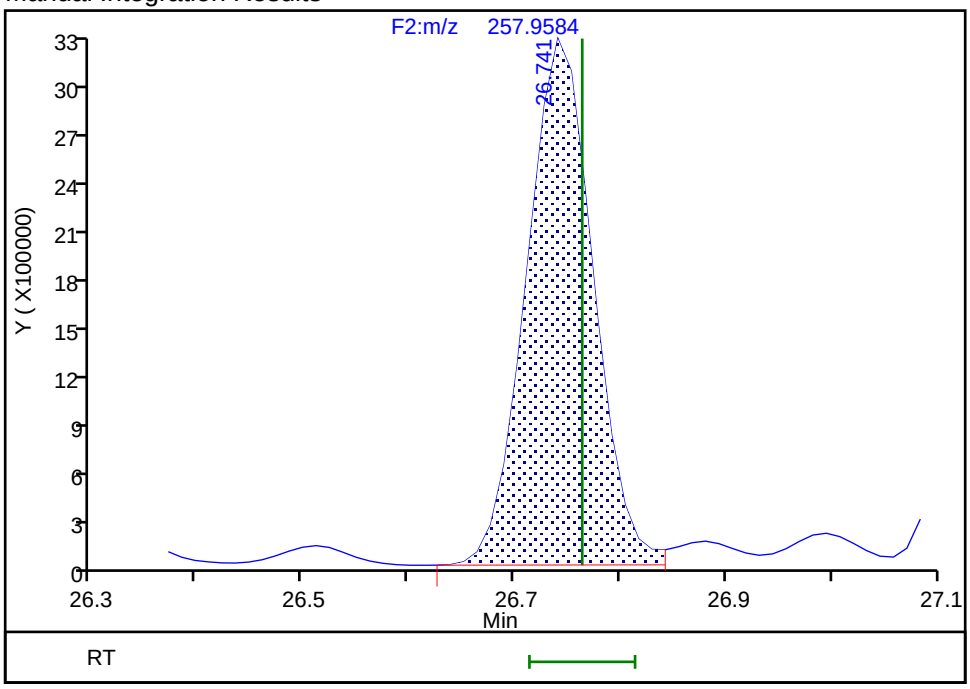
Processing Integration Results

RT: 26.74
Area: 14043677
Amount: 356.8319
Amount Units: pg/ul




Manual Integration Results

RT: 26.74
Area: 14043677
Amount: 358.9775
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:33:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

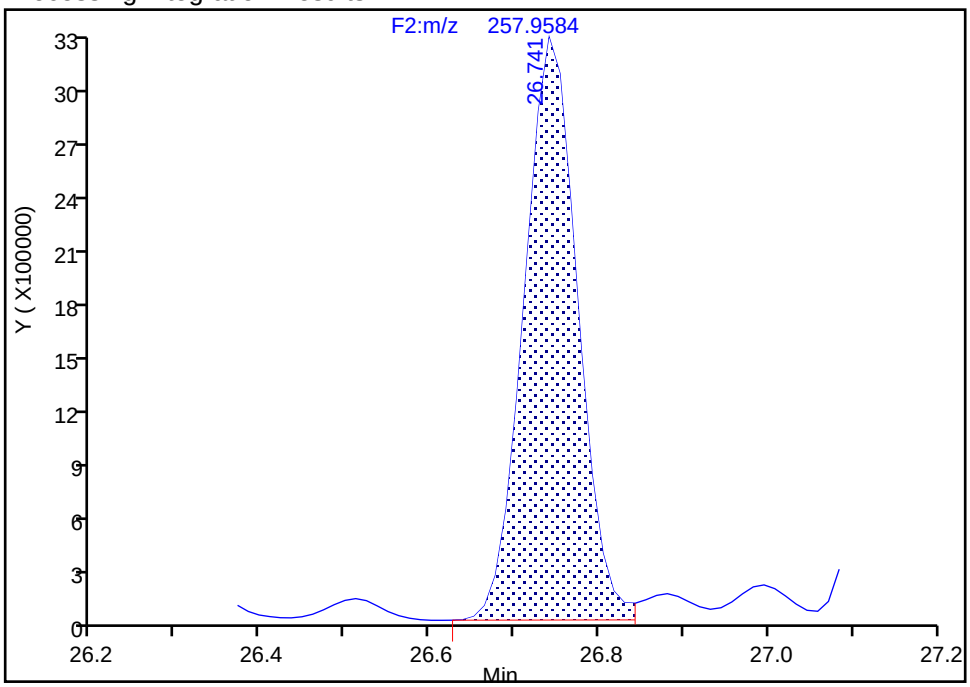
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 3

Processing Integration Results

RT: 26.74
Area: 29594795
Amount: 356.8319
Amount Units: pg/ul




Manual Integration Results

RT: 26.74
Area: 29042243
Amount: 358.9775
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:33:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

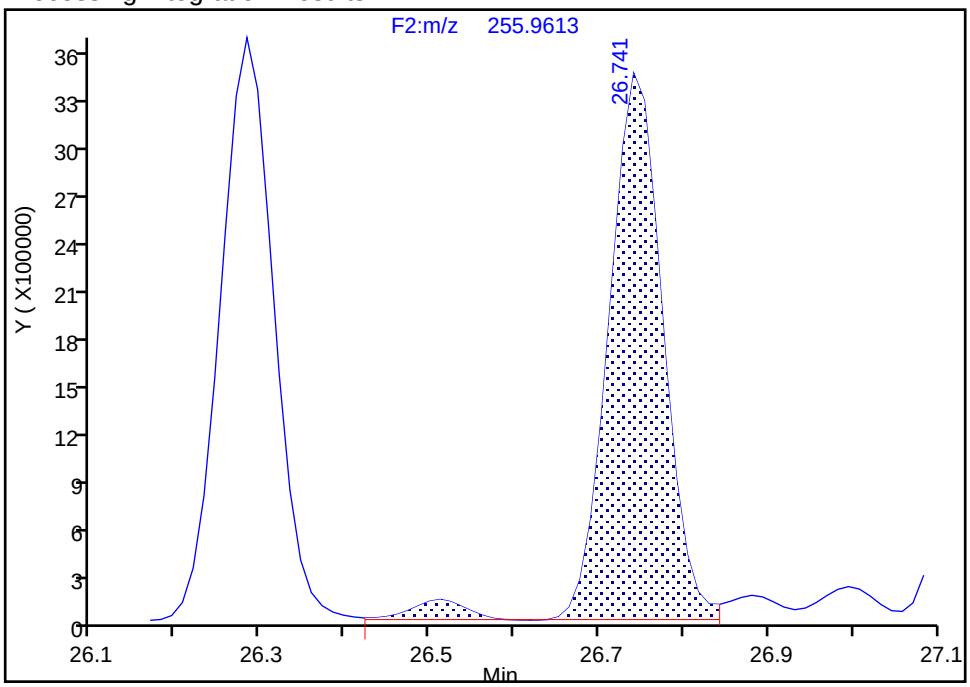
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 1

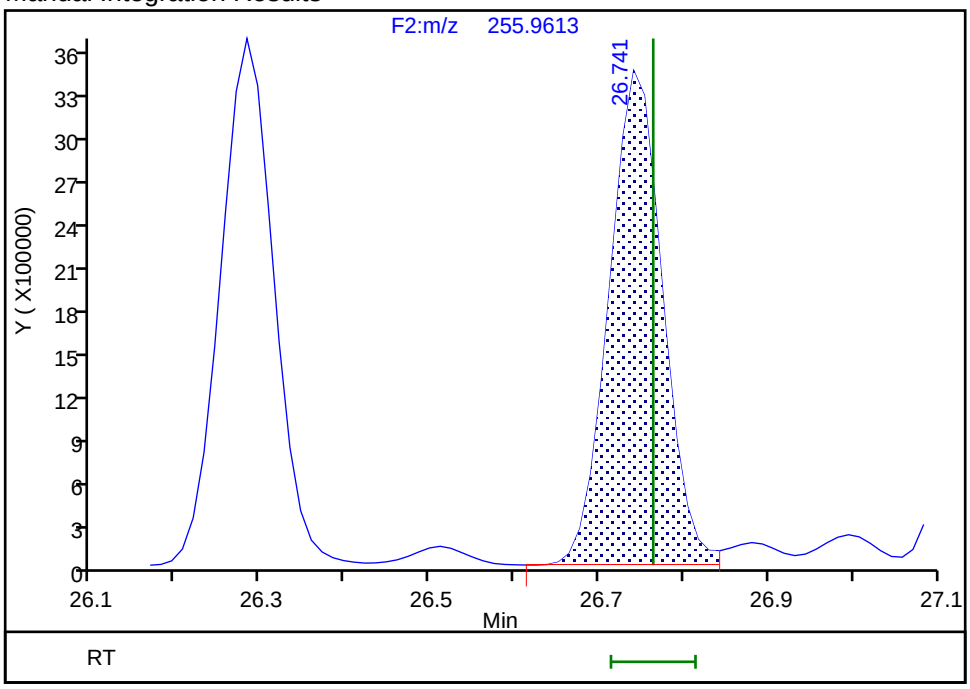
Processing Integration Results

RT: 26.74
Area: 15551118
Amount: 356.8319
Amount Units: pg/ul




Manual Integration Results

RT: 26.74
Area: 14998566
Amount: 358.9775
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:33:27

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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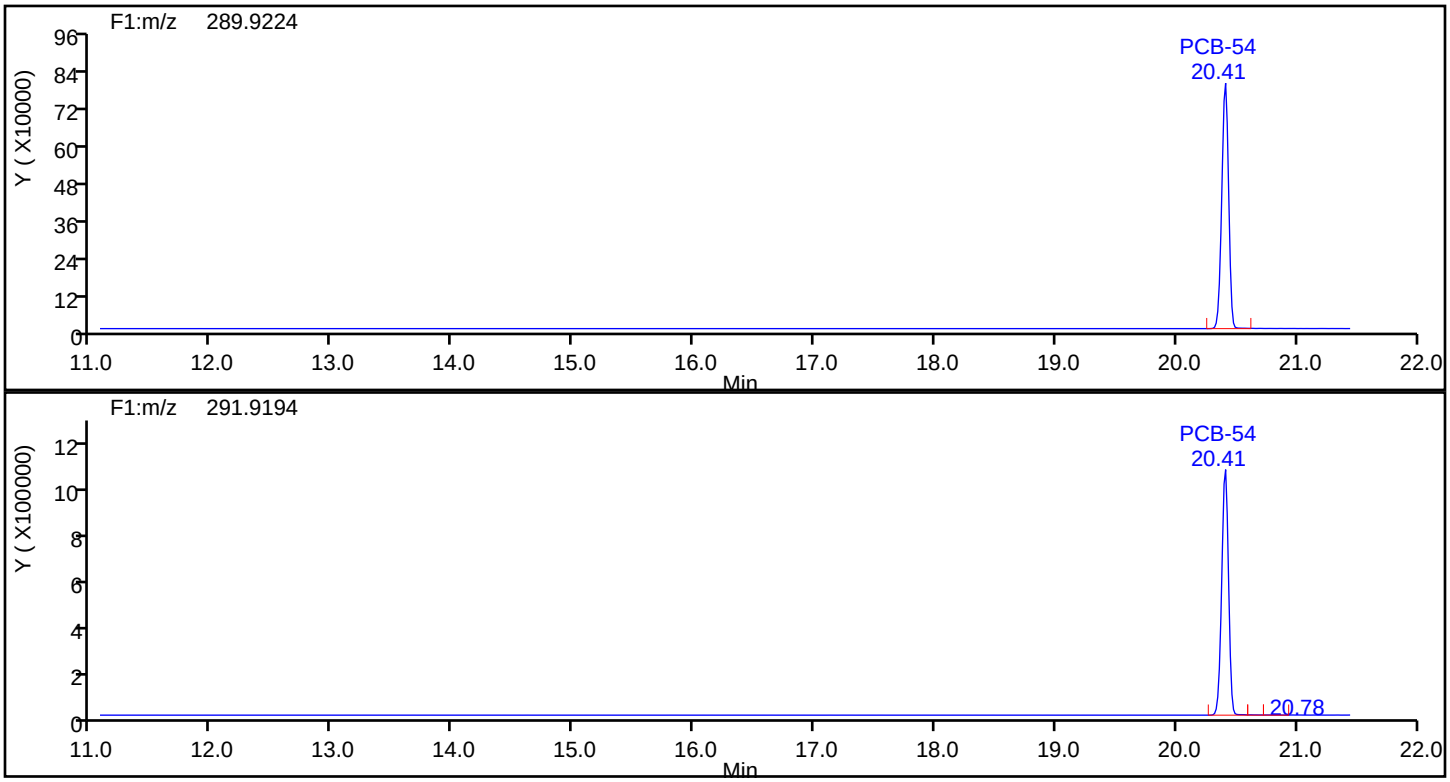
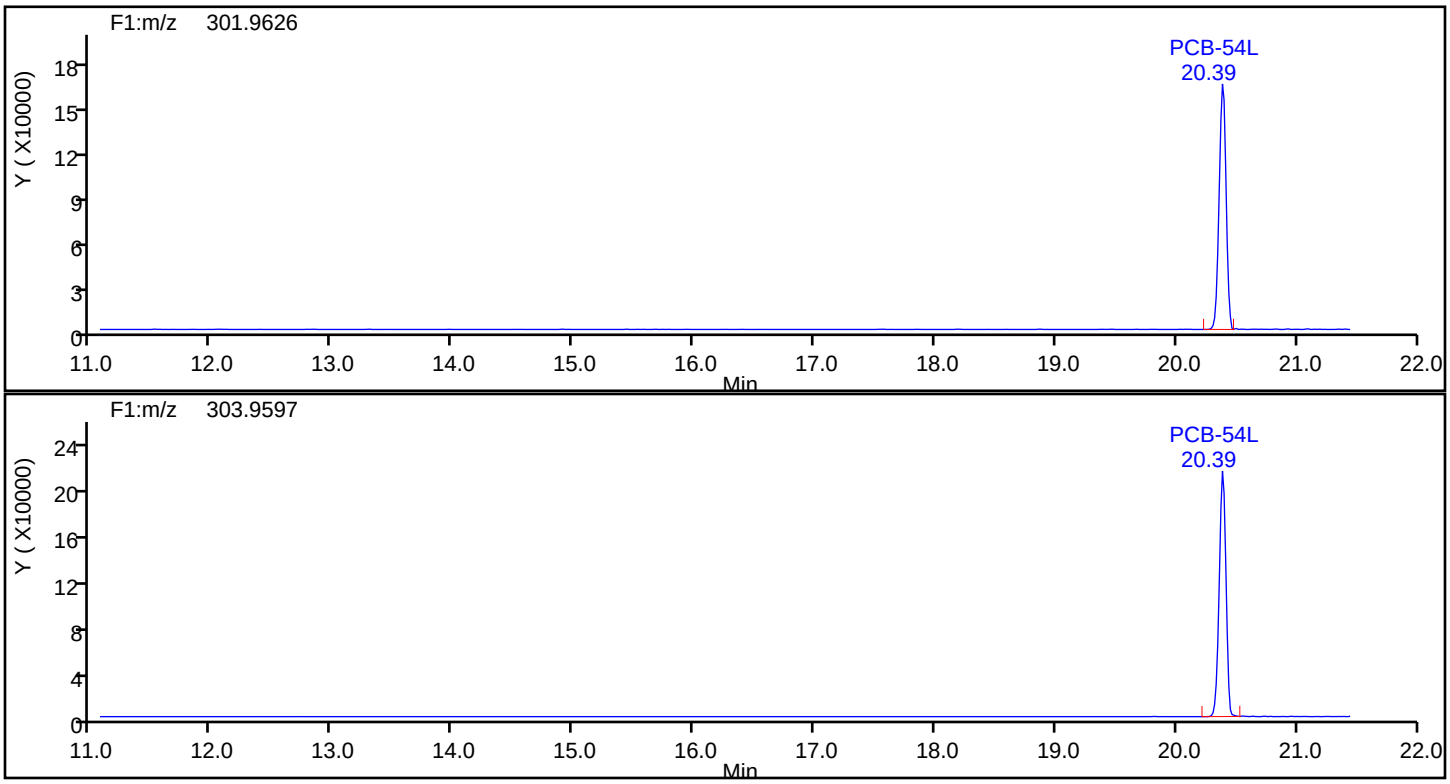
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



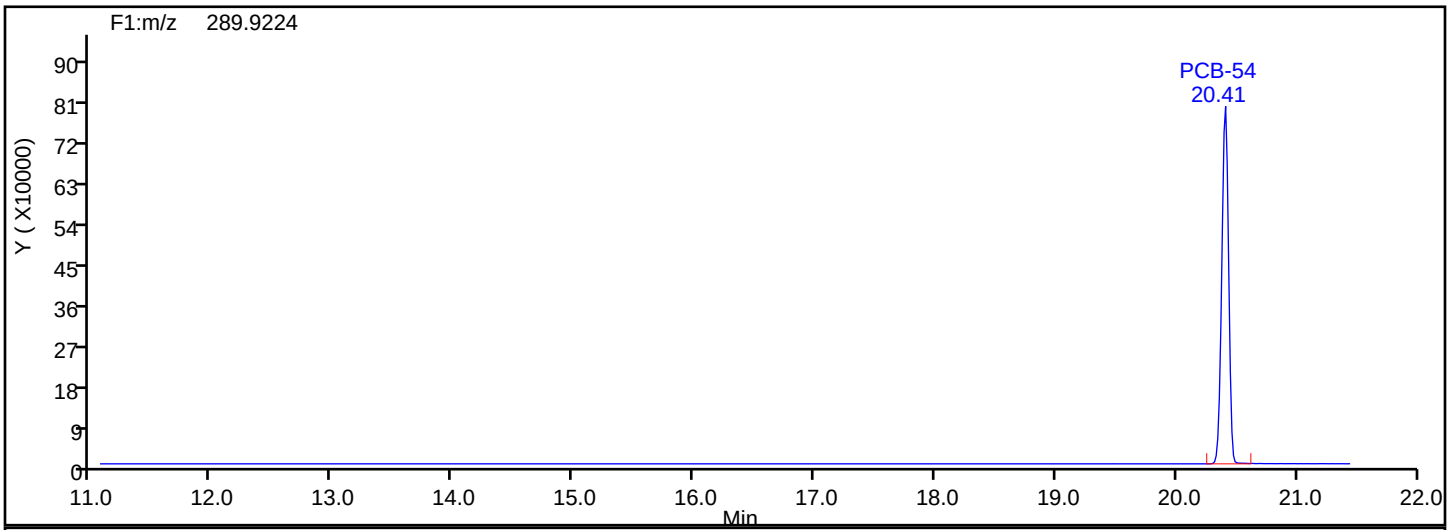

TePCB F1 Standards

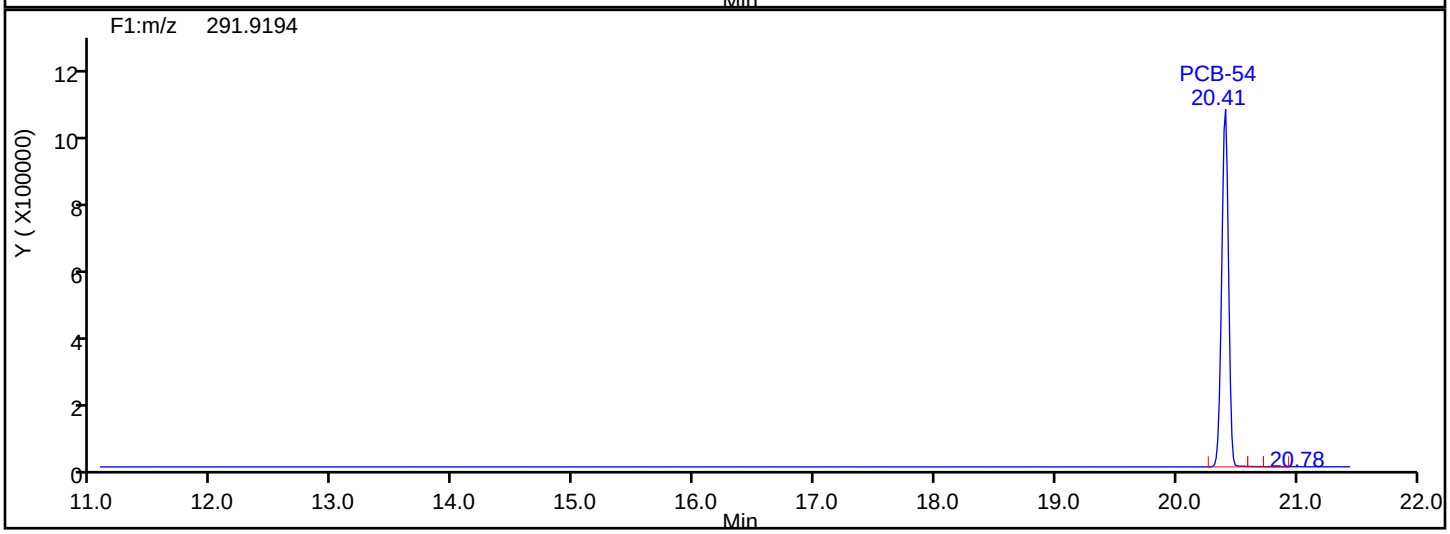


Eurofins TestAmerica, Knoxville

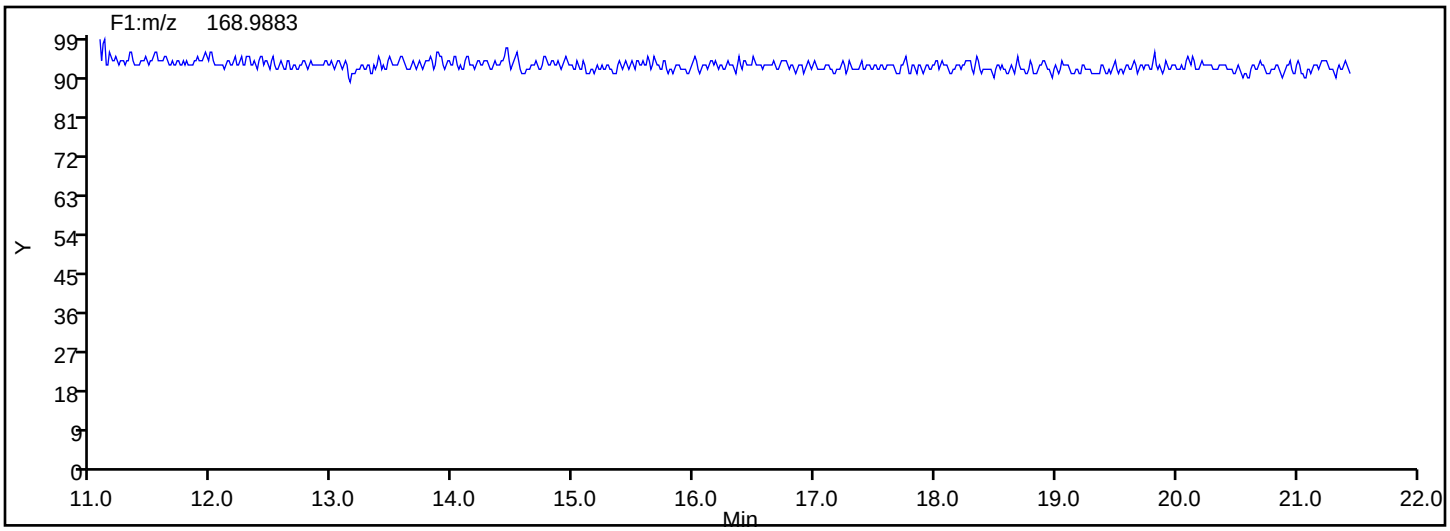
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



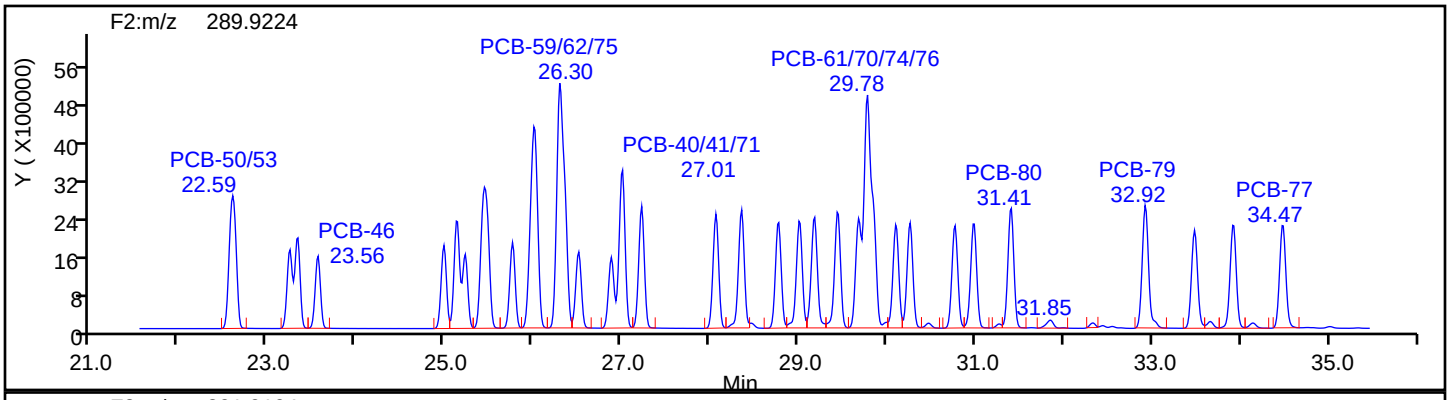

TePCB F1 Lock Mass

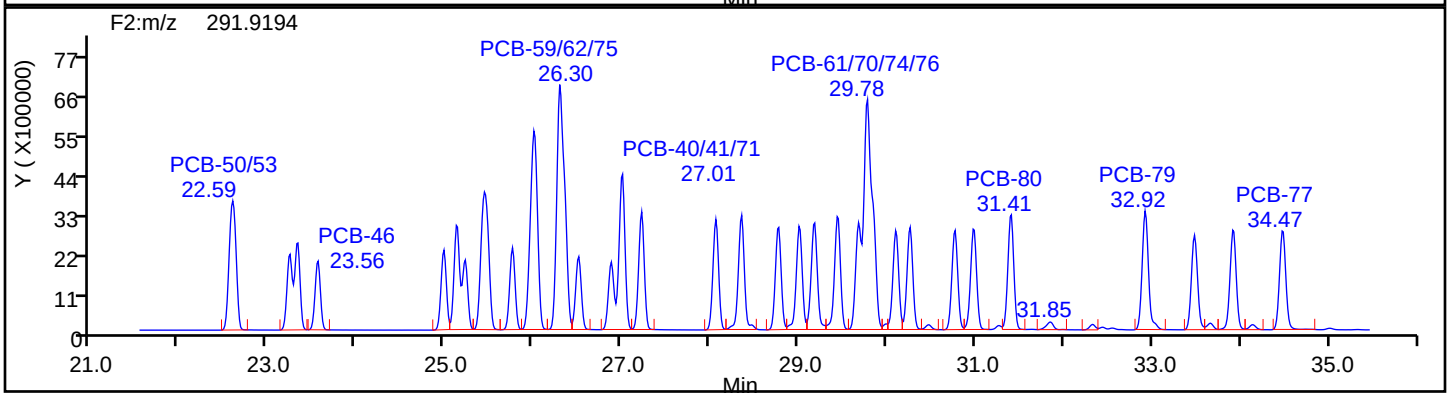


Eurofins TestAmerica, Knoxville

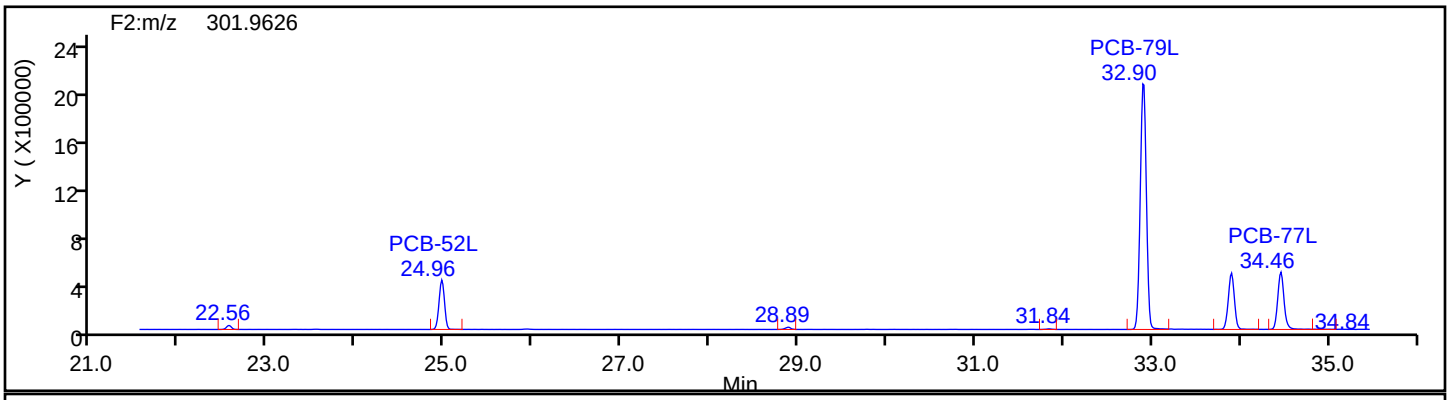
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

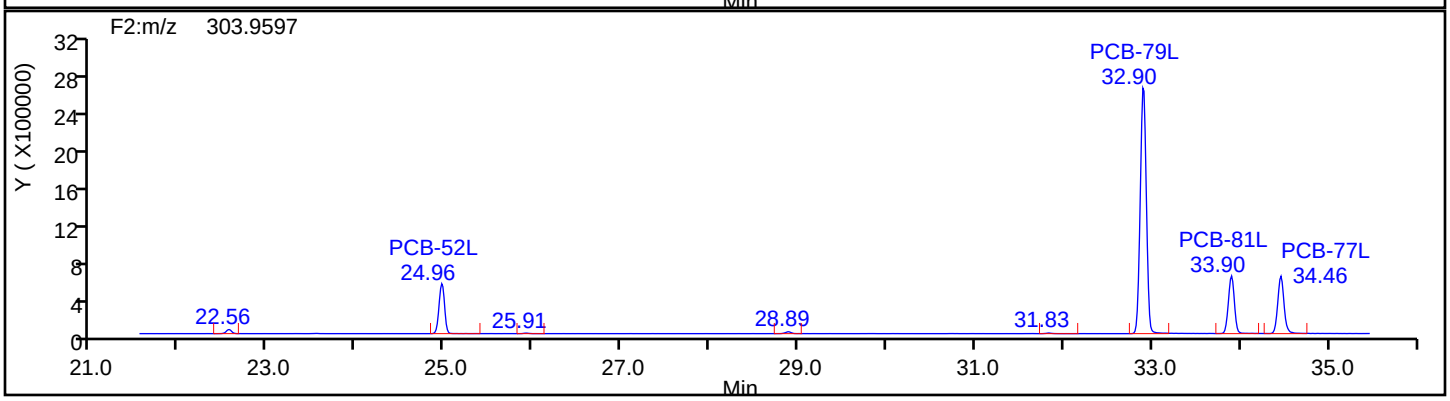
TePCB F2




TePCB F2 Standards

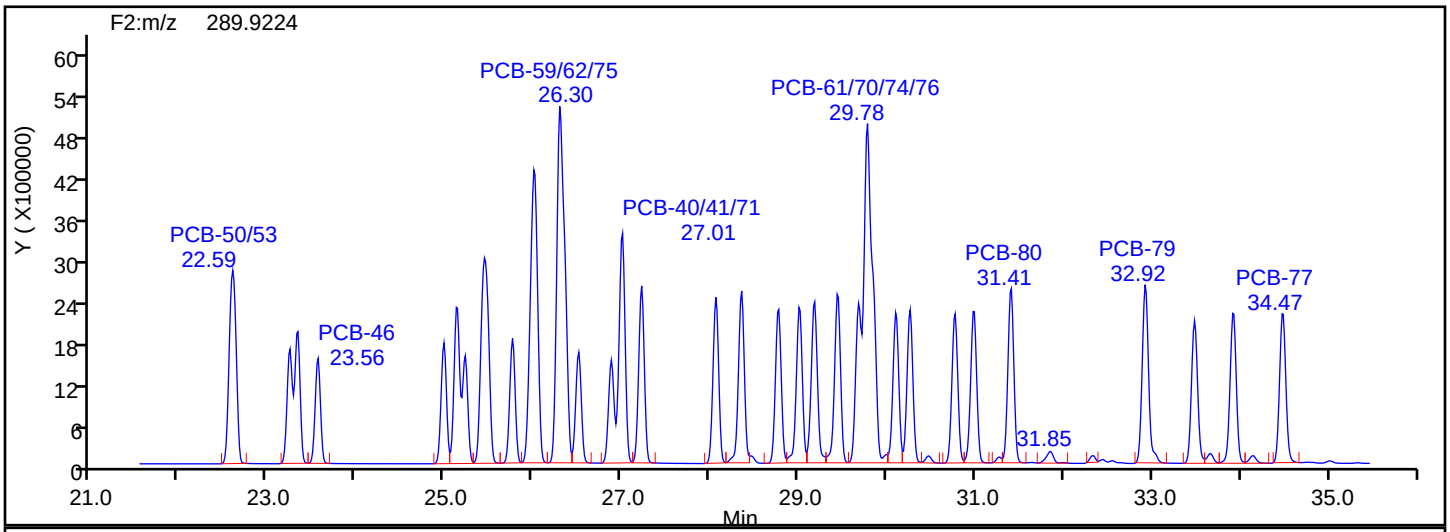


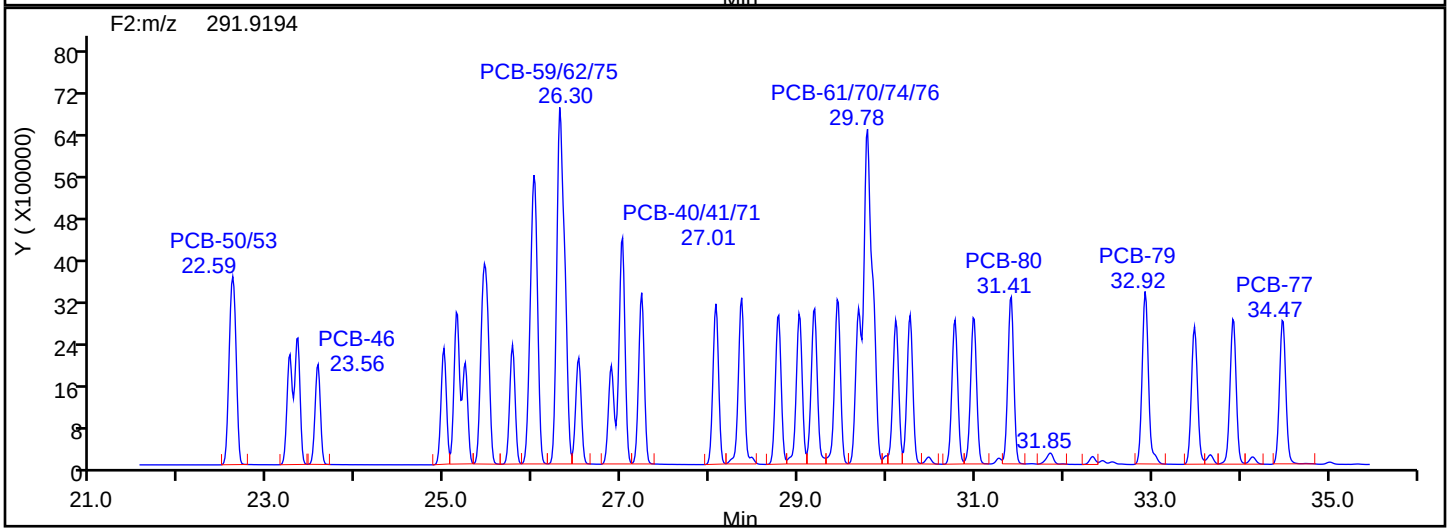



Eurofins TestAmerica, Knoxville

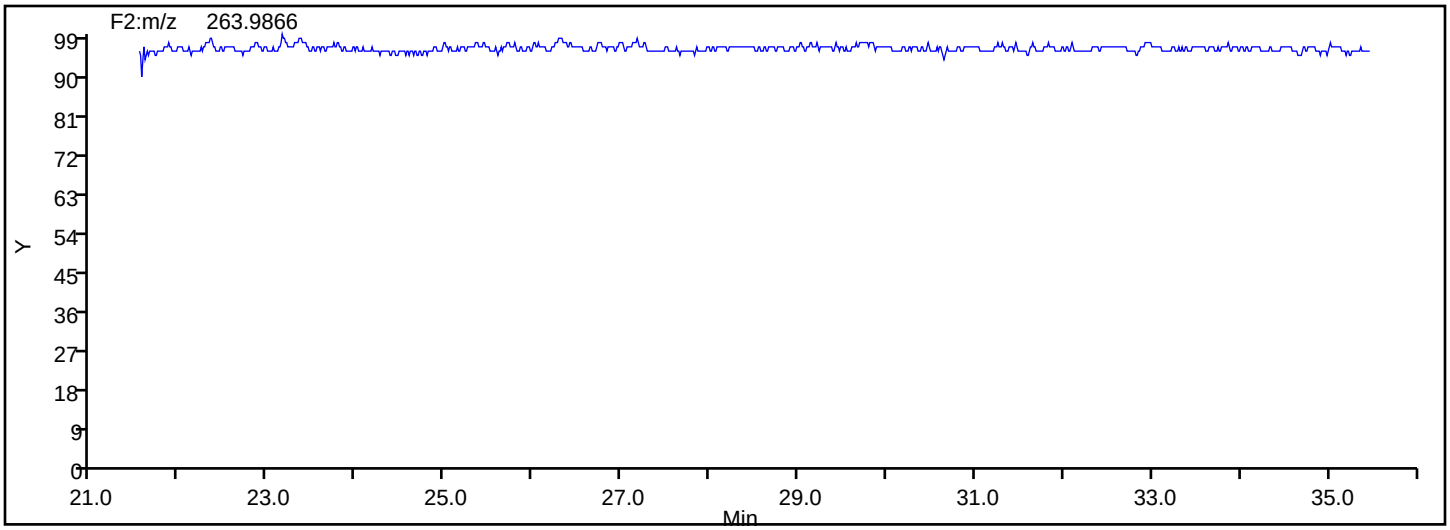
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

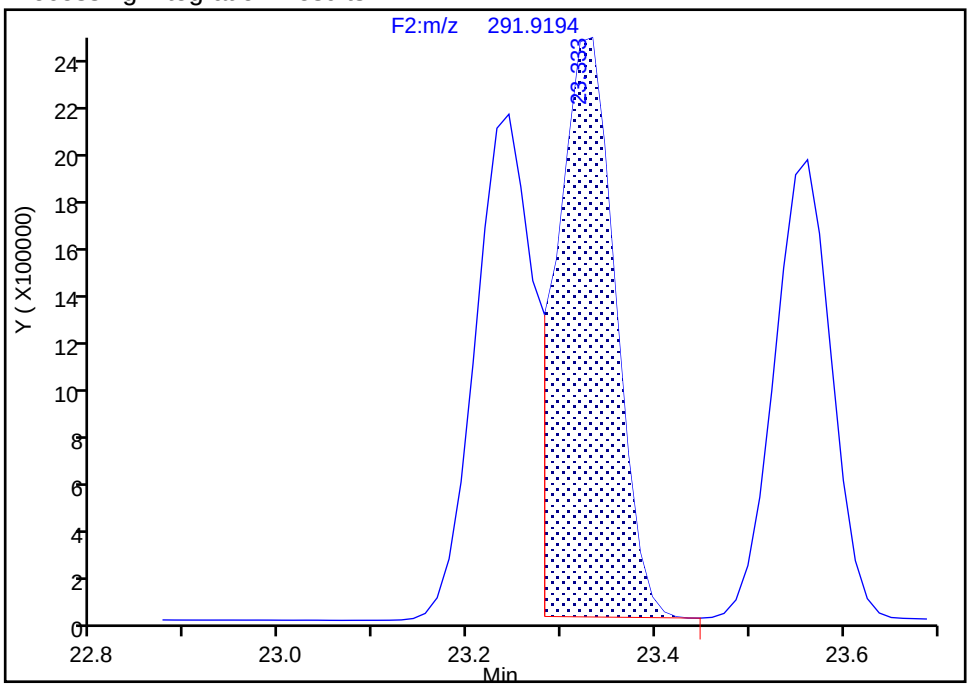
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

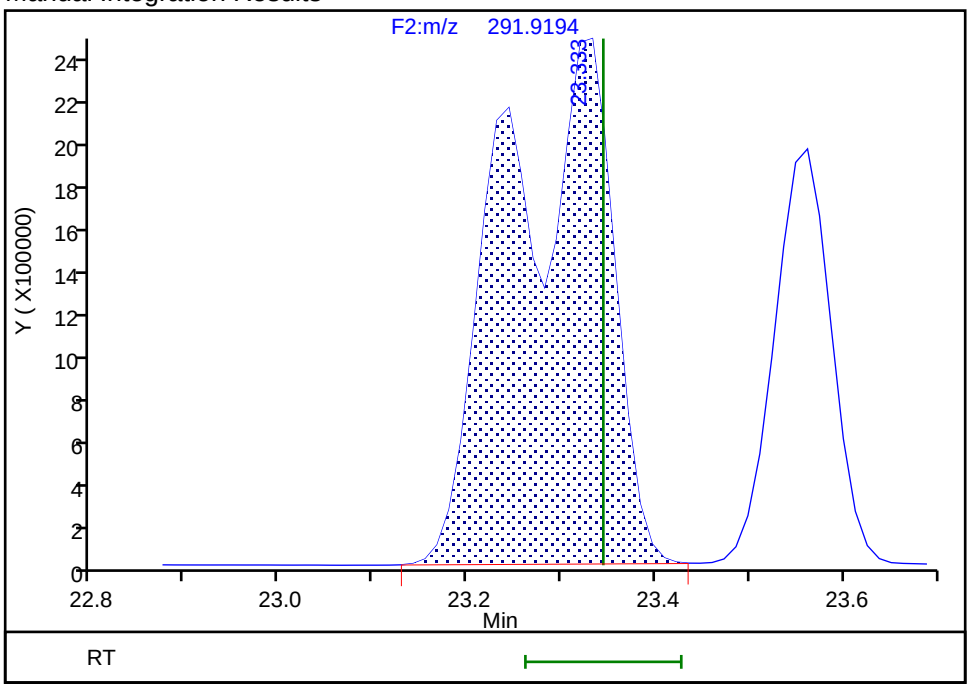
Processing Integration Results

RT: 23.33
Area: 10142583
Amount: 523.6707
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 19141676
Amount: 725.2064
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:34:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

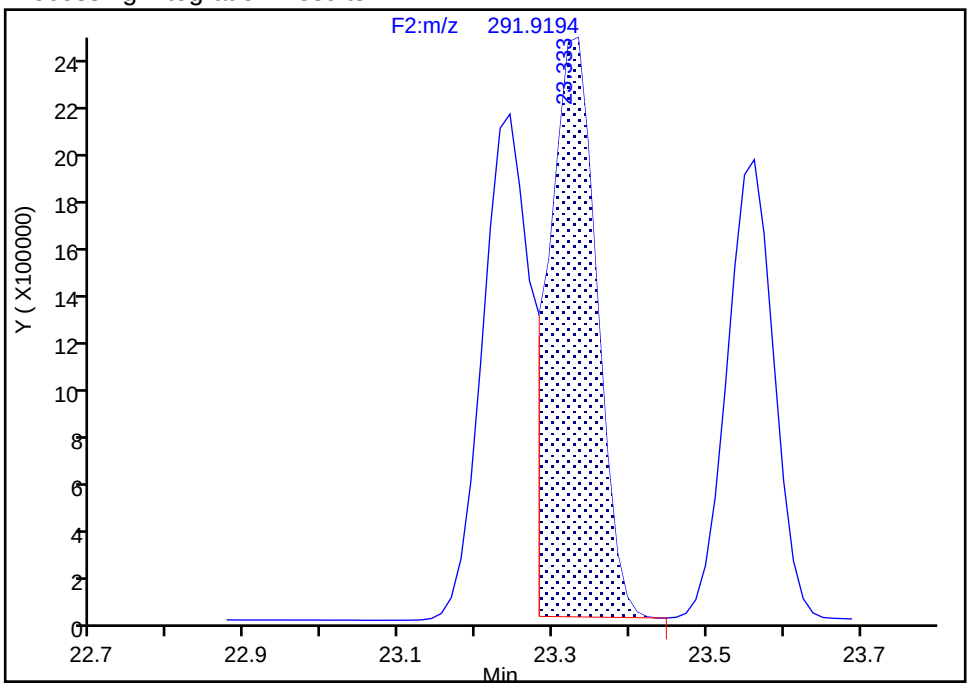
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.33
Area: 18210041
Amount: 523.6707
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 34199279
Amount: 725.2064
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:34:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

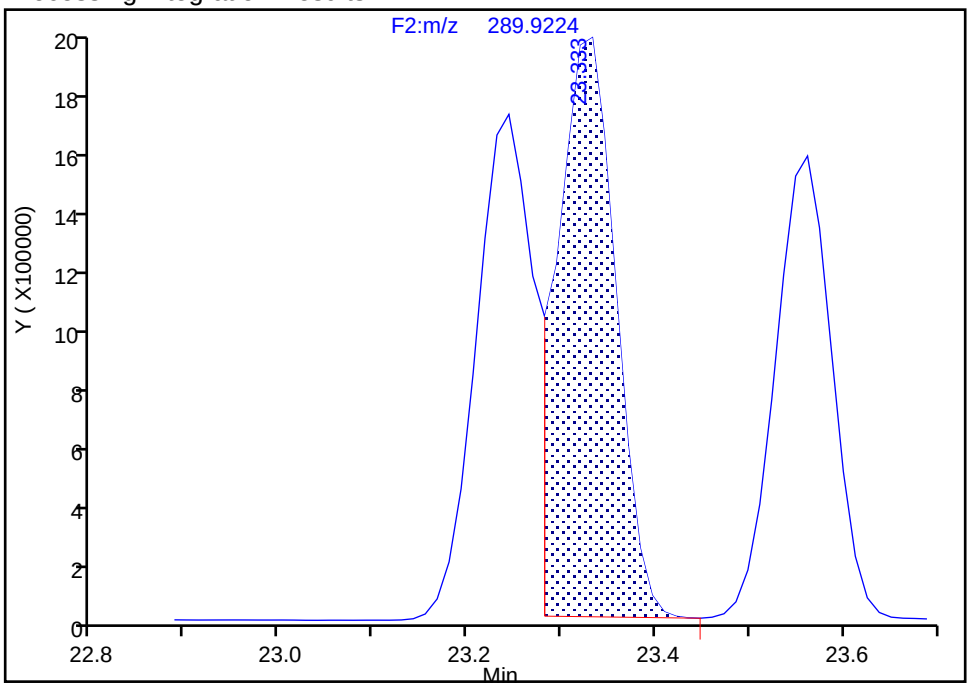
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 1

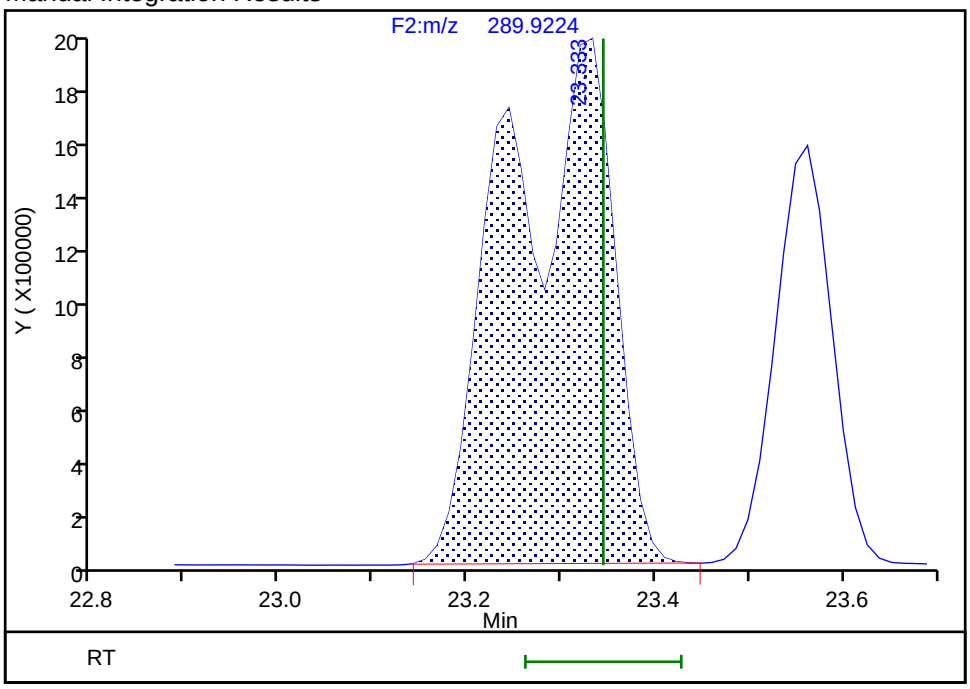
Processing Integration Results

RT: 23.33
Area: 8067458
Amount: 523.6707
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 15057603
Amount: 725.2064
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:34:11
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

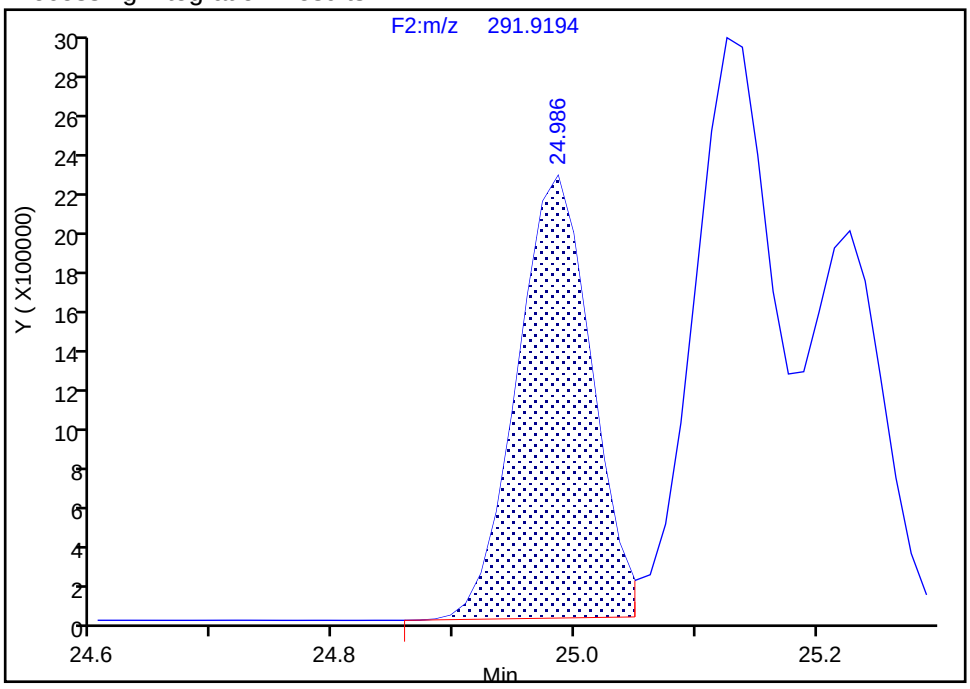
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 2

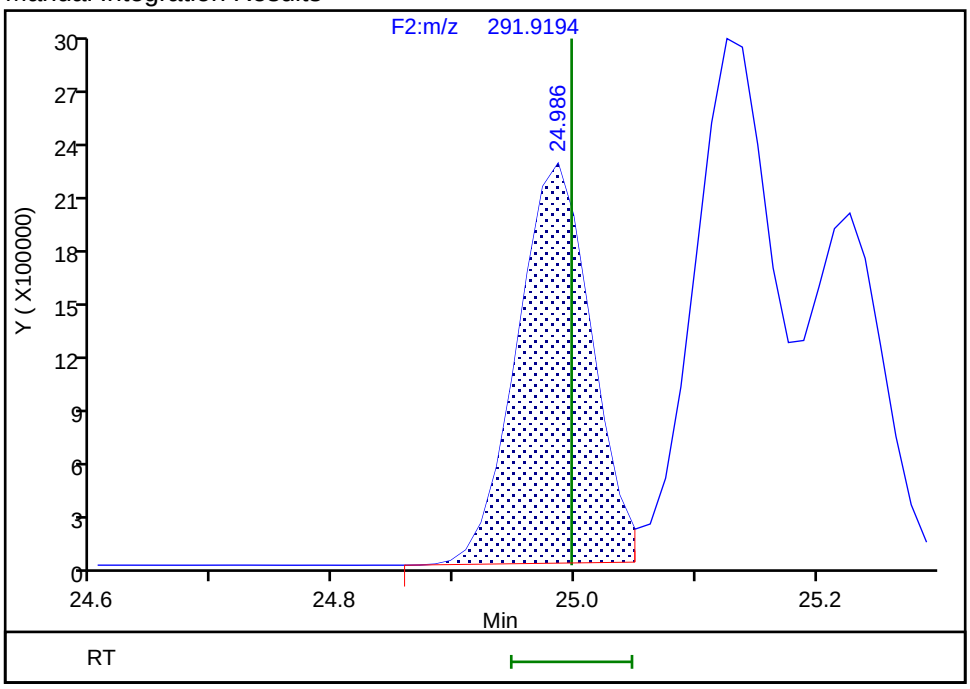
Processing Integration Results

RT: 24.99
Area: 9485876
Amount: 354.5217
Amount Units: pg/ul




Manual Integration Results

RT: 24.99
Area: 9485876
Amount: 355.3895
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:34:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

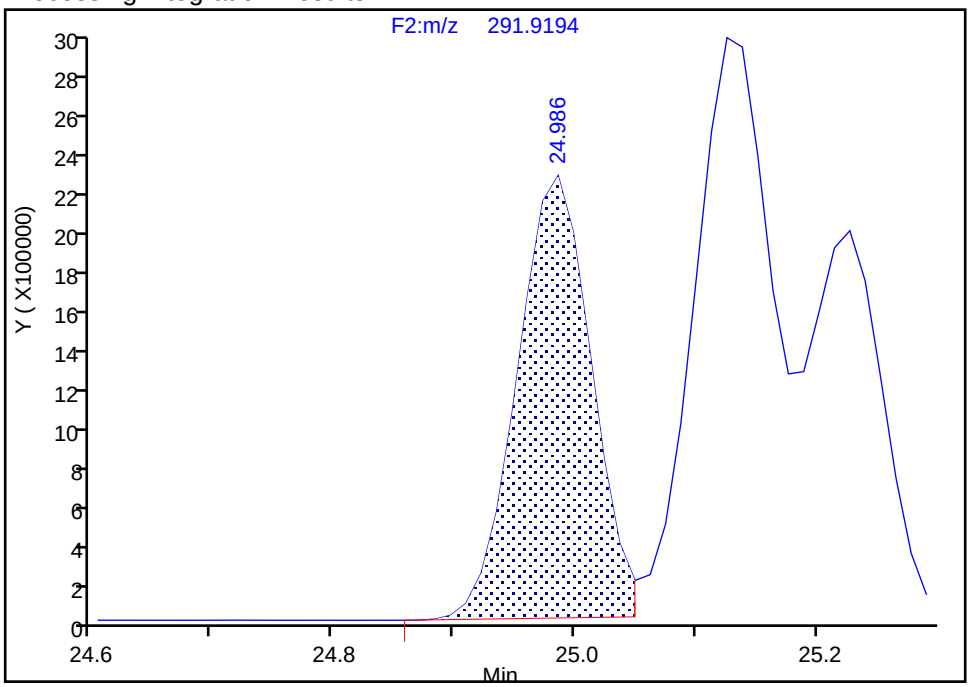
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-52, CAS: 35693-99-3

Signal: 3

Processing Integration Results

RT: 24.99
Area: 16952250
Amount: 354.5217
Amount Units: pg/ul




Manual Integration Results

RT: 24.99
Area: 17028661
Amount: 355.3895
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:34:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

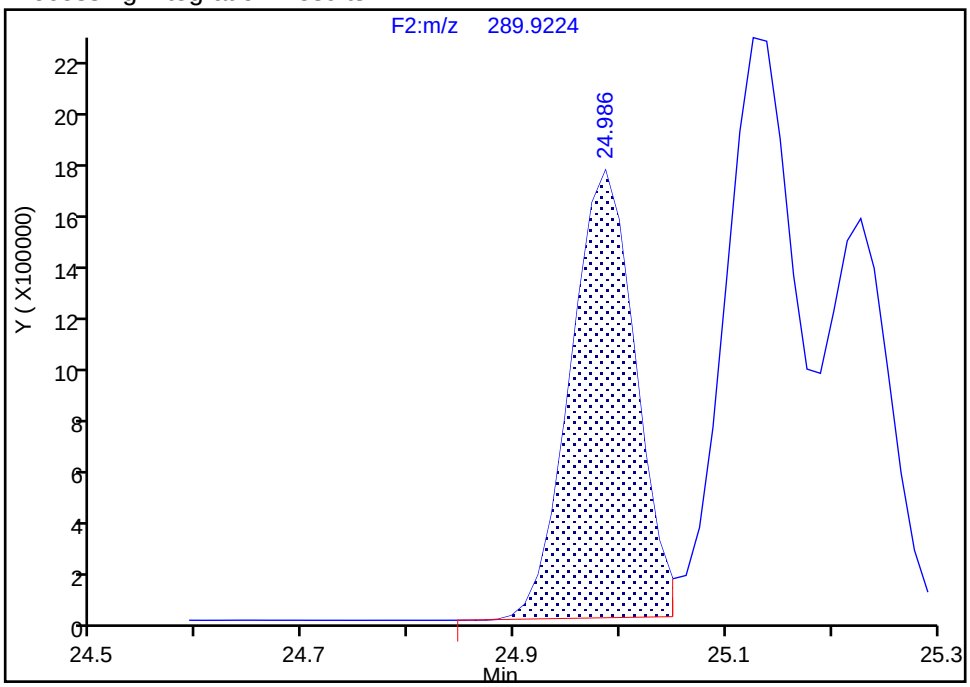
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

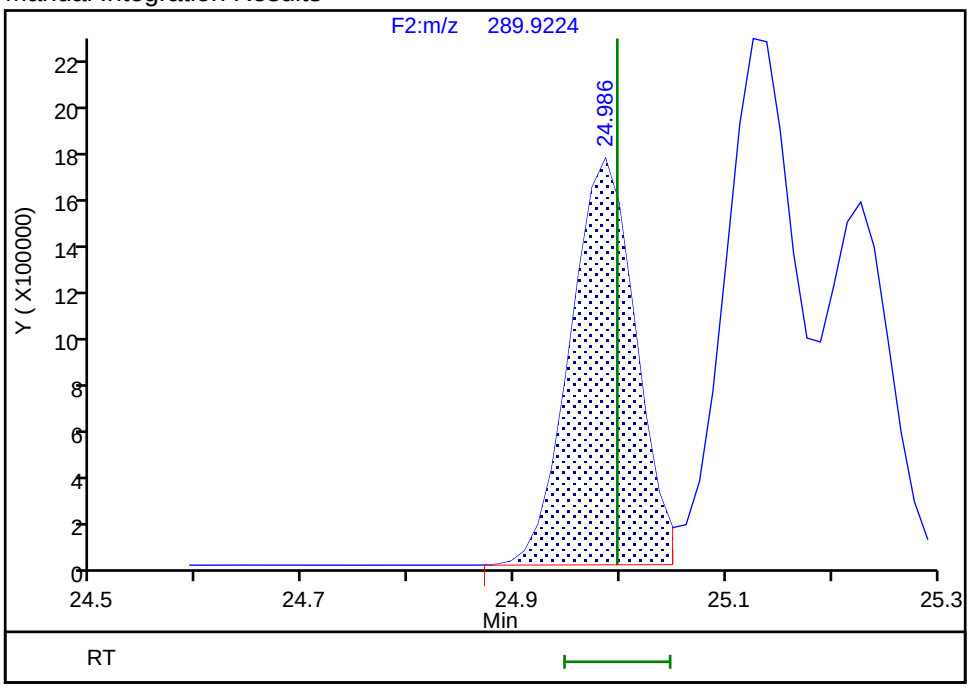
Processing Integration Results

RT: 24.99
Area: 7466374
Amount: 354.5217
Amount Units: pg/ul




Manual Integration Results

RT: 24.99
Area: 7542785
Amount: 355.3895
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:34:54

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

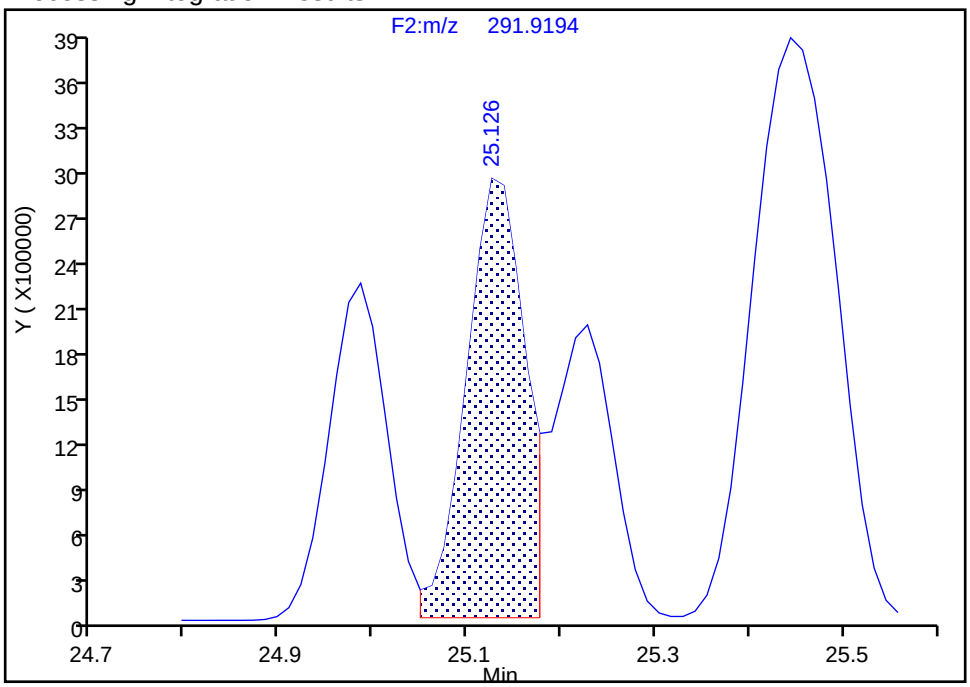
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

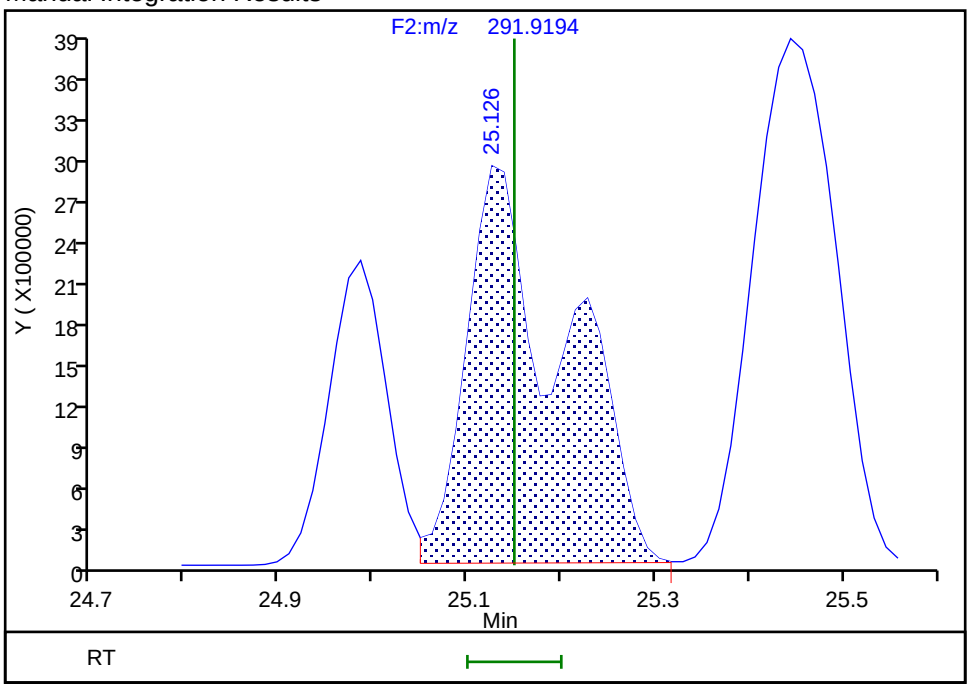
Processing Integration Results

RT: 25.13
Area: 12398451
Amount: 571.2228
Amount Units: pg/ul




Manual Integration Results

RT: 25.13
Area: 20984761
Amount: 708.3862
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:35:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

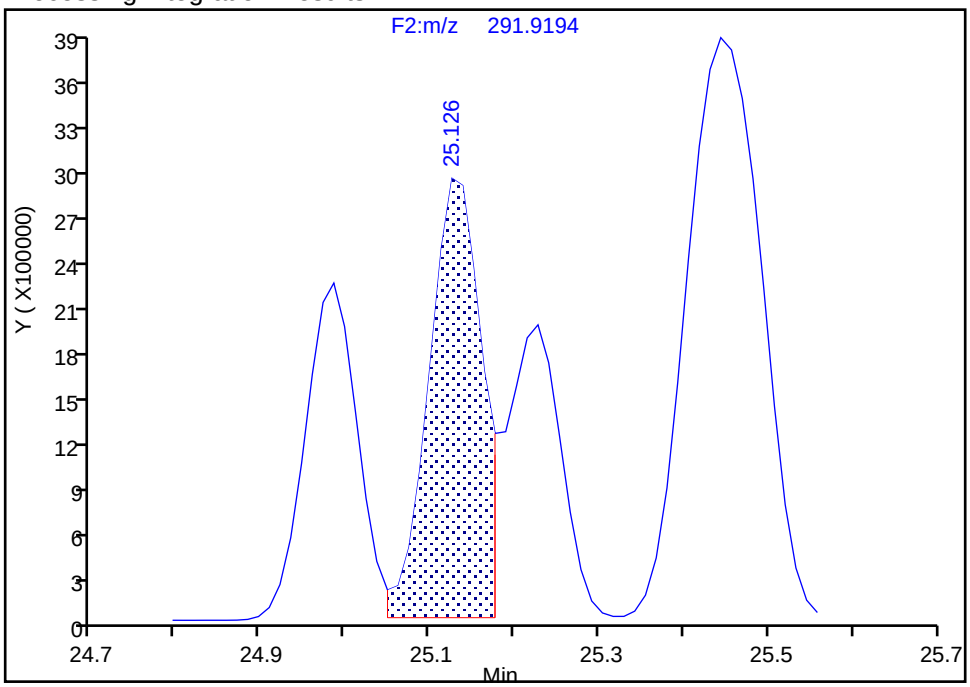
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 3

Processing Integration Results

RT: 25.13
Area: 22863371
Amount: 571.2228
Amount Units: pg/ul




Manual Integration Results

RT: 25.13
Area: 37721085
Amount: 708.3862
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:35:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

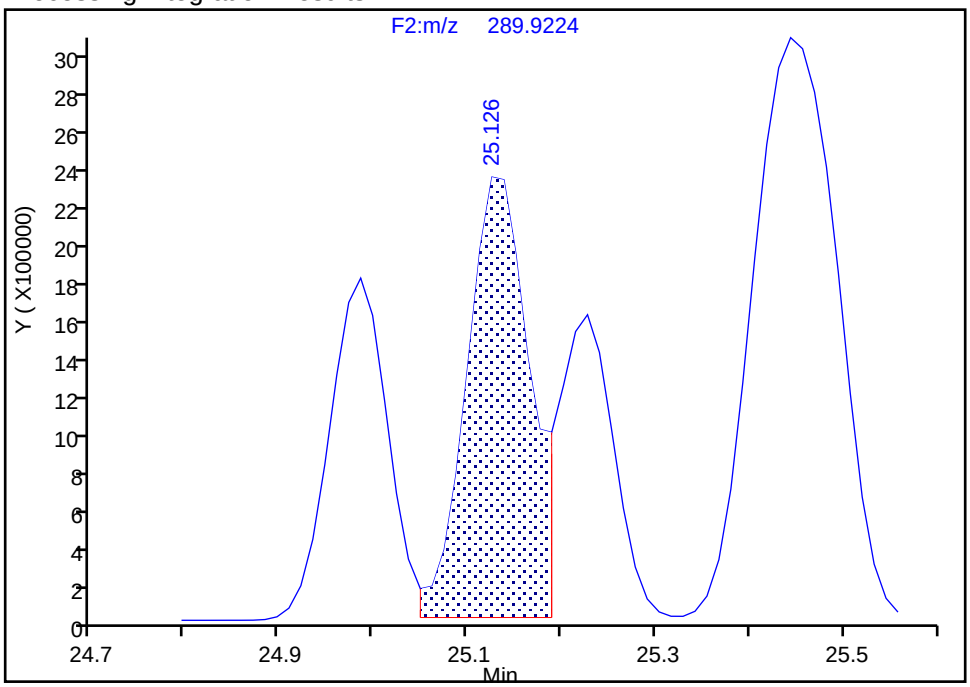
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

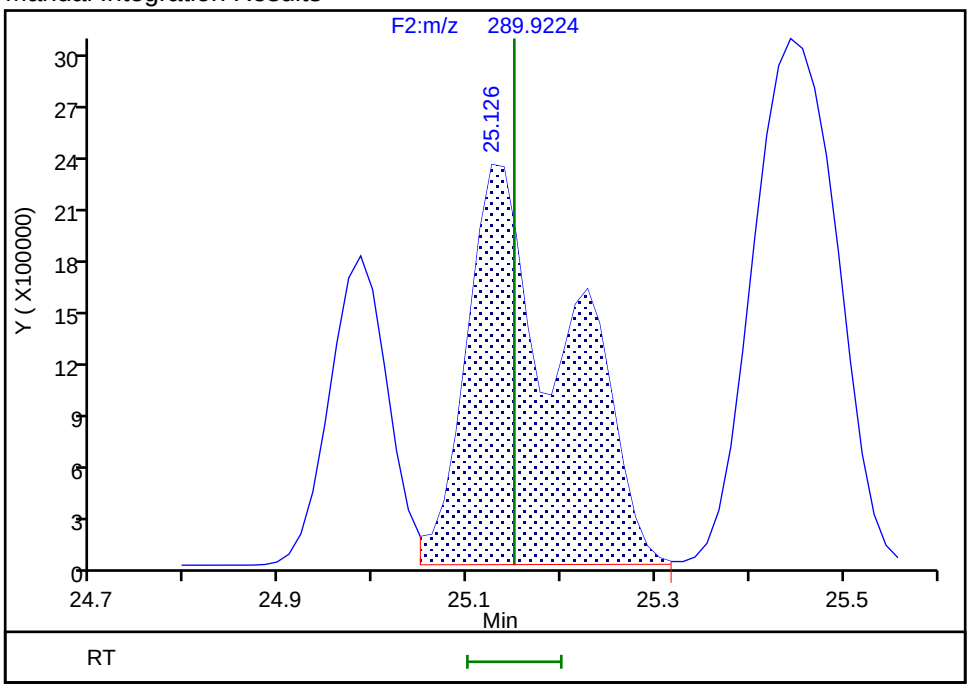
Processing Integration Results

RT: 25.13
Area: 10464920
Amount: 571.2228
Amount Units: pg/ul




Manual Integration Results

RT: 25.13
Area: 16736324
Amount: 708.3862
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:35:12

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

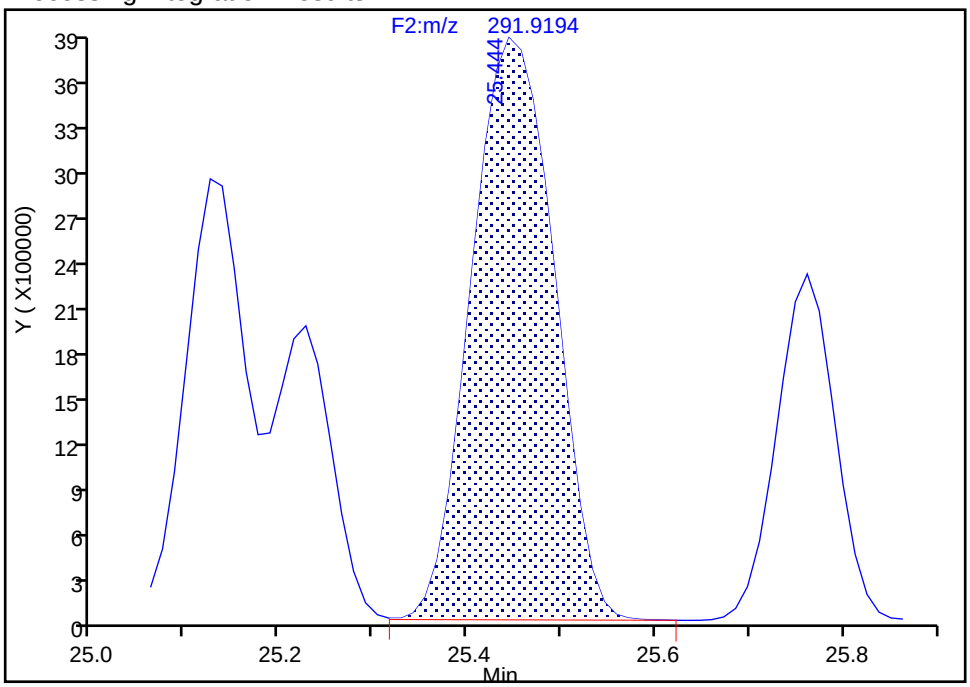
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 2

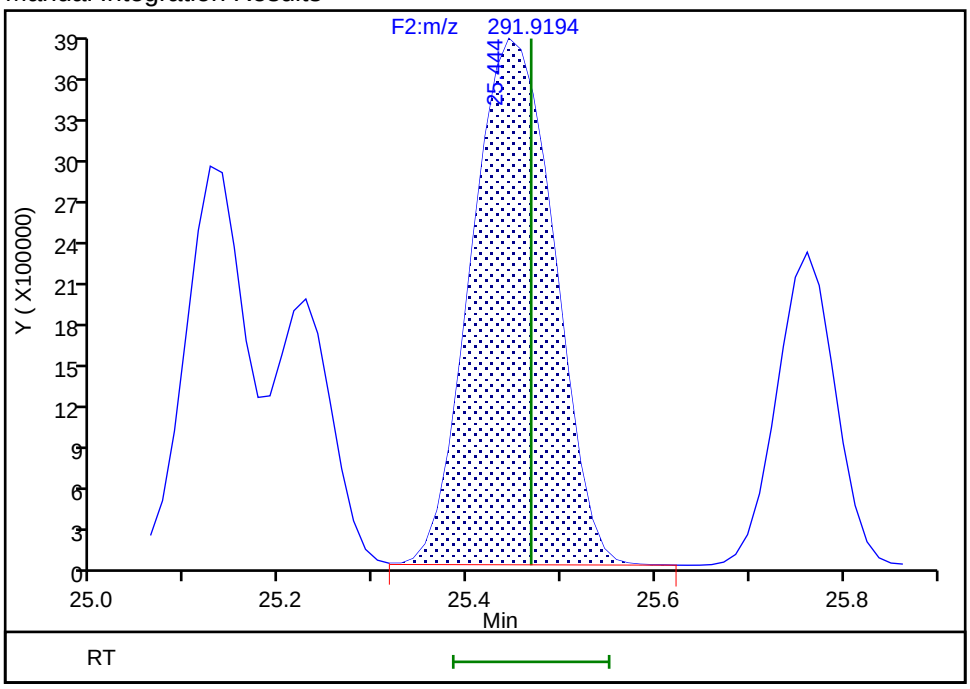
Processing Integration Results

RT: 25.44
Area: 23666253
Amount: 629.0635
Amount Units: pg/ul




Manual Integration Results

RT: 25.44
Area: 23666253
Amount: 699.4876
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:35:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

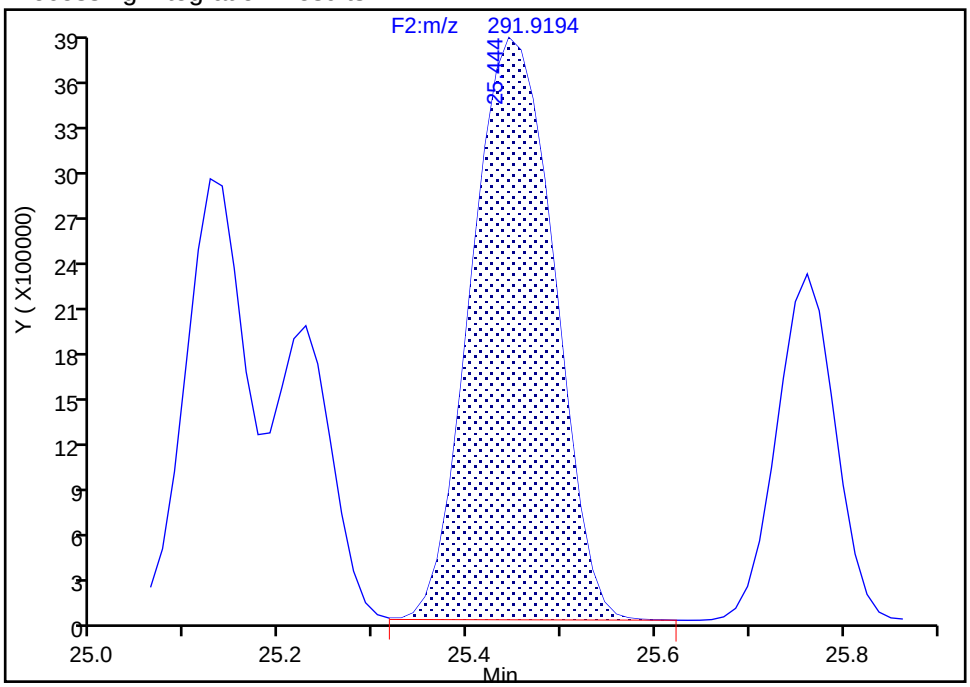
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 3

Processing Integration Results

RT: 25.44
Area: 42267262
Amount: 629.0635
Amount Units: pg/ul




Manual Integration Results

RT: 25.44
Area: 42362396
Amount: 699.4876
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:35:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

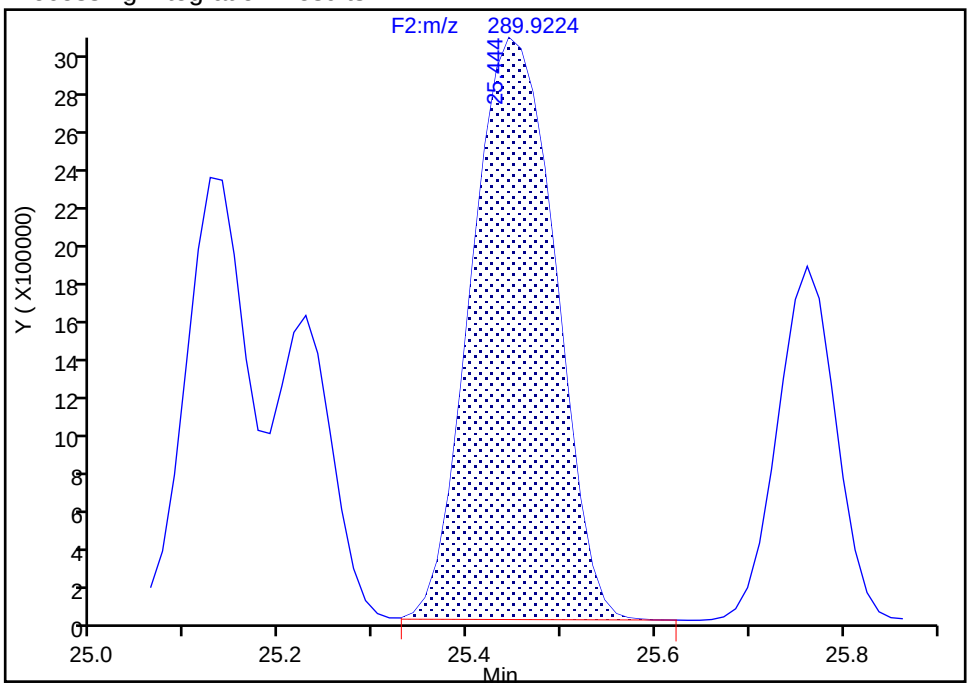
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 1

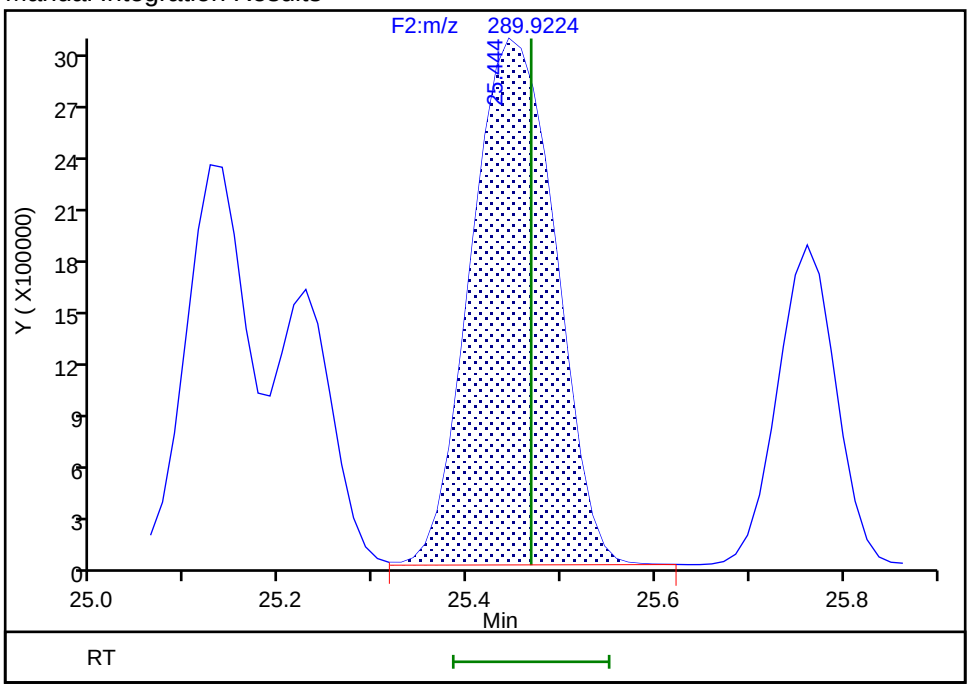
Processing Integration Results

RT: 25.44
Area: 18601009
Amount: 629.0635
Amount Units: pg/ul




Manual Integration Results

RT: 25.44
Area: 18696143
Amount: 699.4876
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:35:19
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

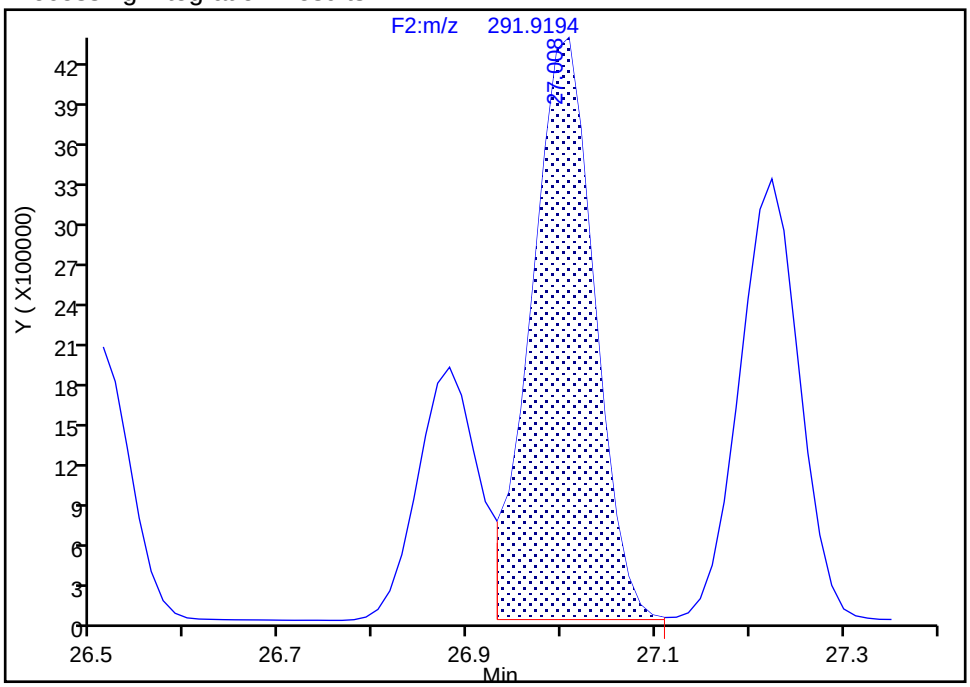
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 2

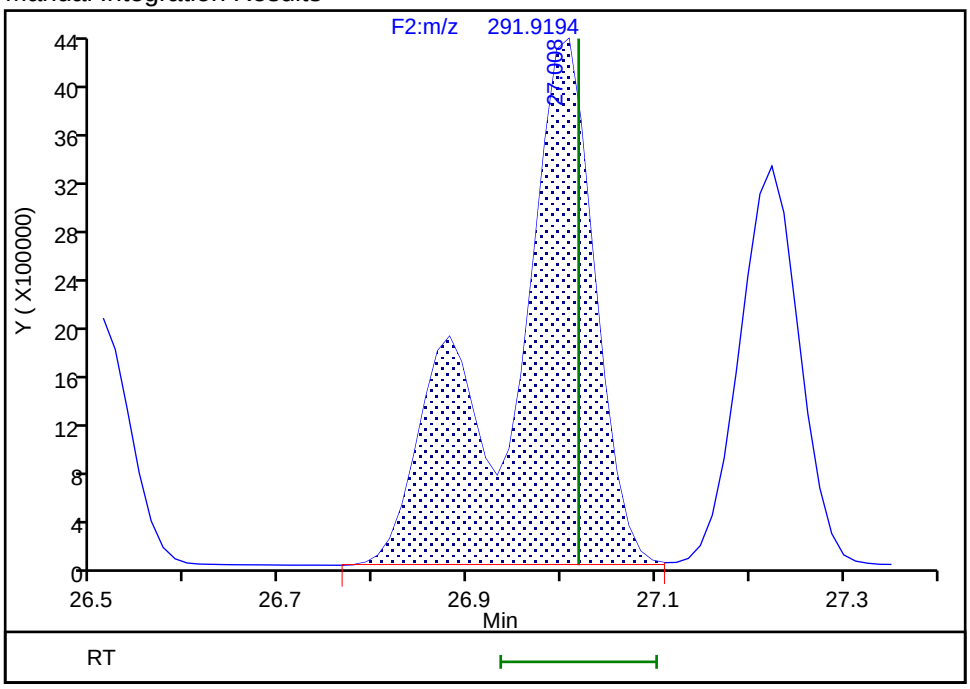
Processing Integration Results

RT: 27.01
Area: 20230720
Amount: 899.6021
Amount Units: pg/ul




Manual Integration Results

RT: 27.01
Area: 28540581
Amount: 1041.4430
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:54:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

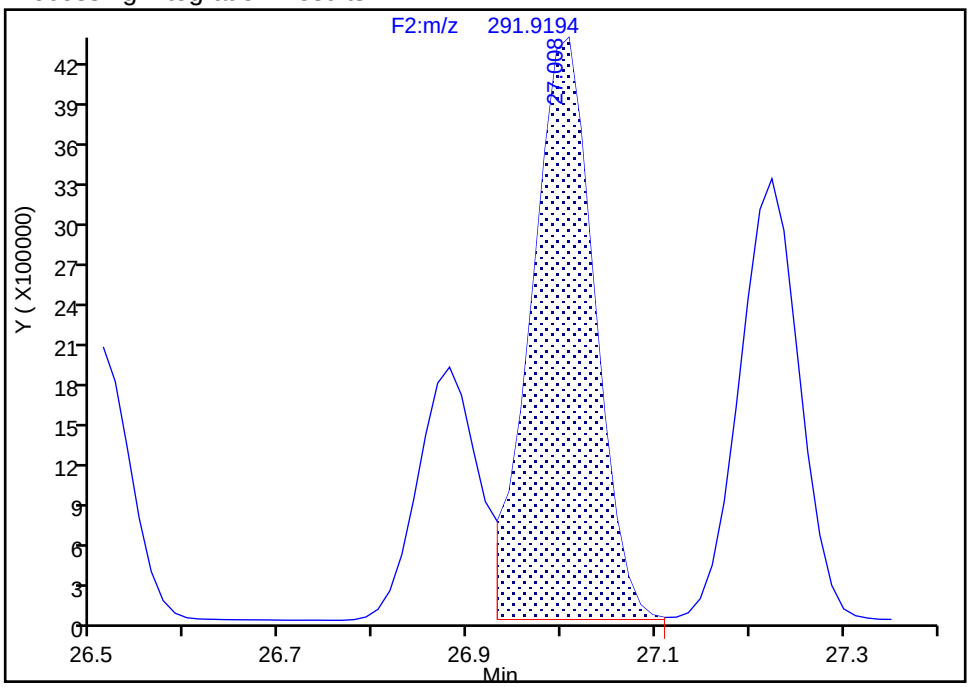
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 27.01
Area: 36053365
Amount: 899.6021
Amount Units: pg/ul




Manual Integration Results

RT: 27.01
Area: 50936397
Amount: 1041.4430
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:54:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

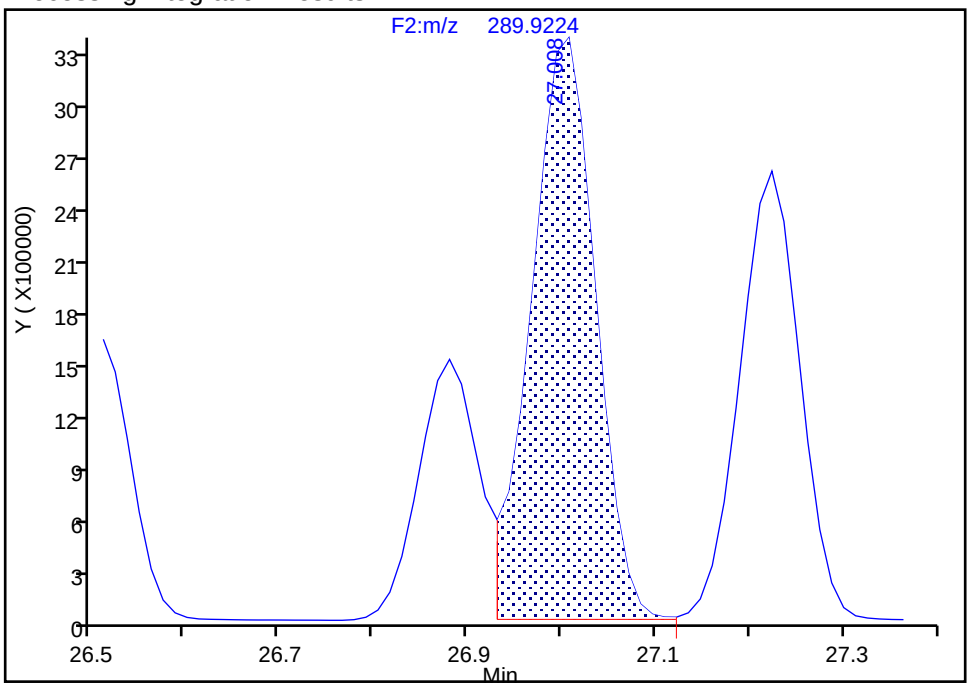
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 1

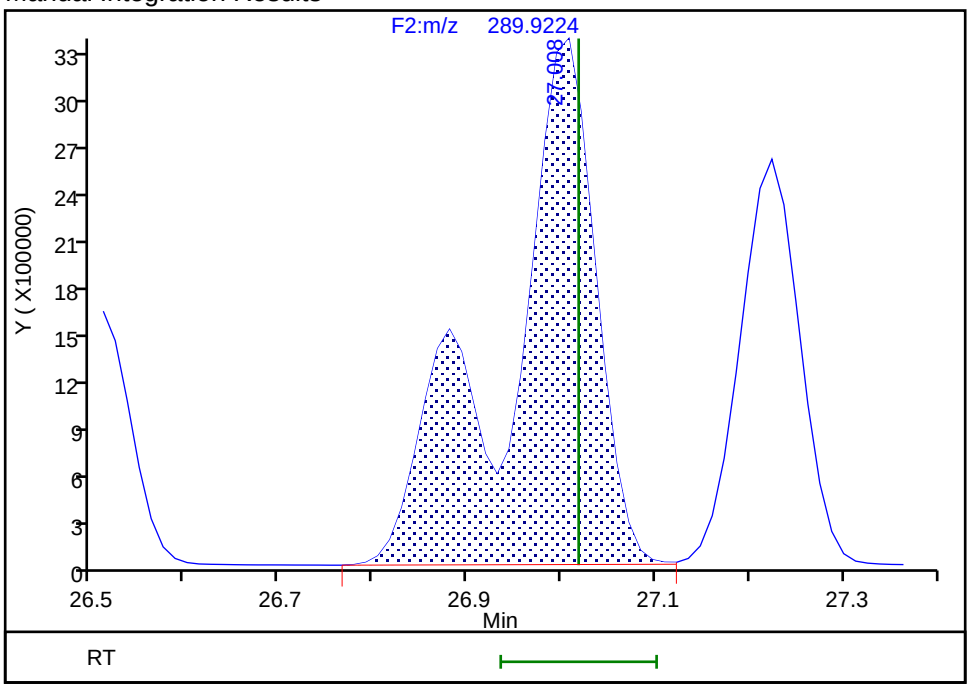
Processing Integration Results

RT: 27.01
Area: 15822645
Amount: 899.6021
Amount Units: pg/ul




Manual Integration Results

RT: 27.01
Area: 22395816
Amount: 1041.4430
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:54:20
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

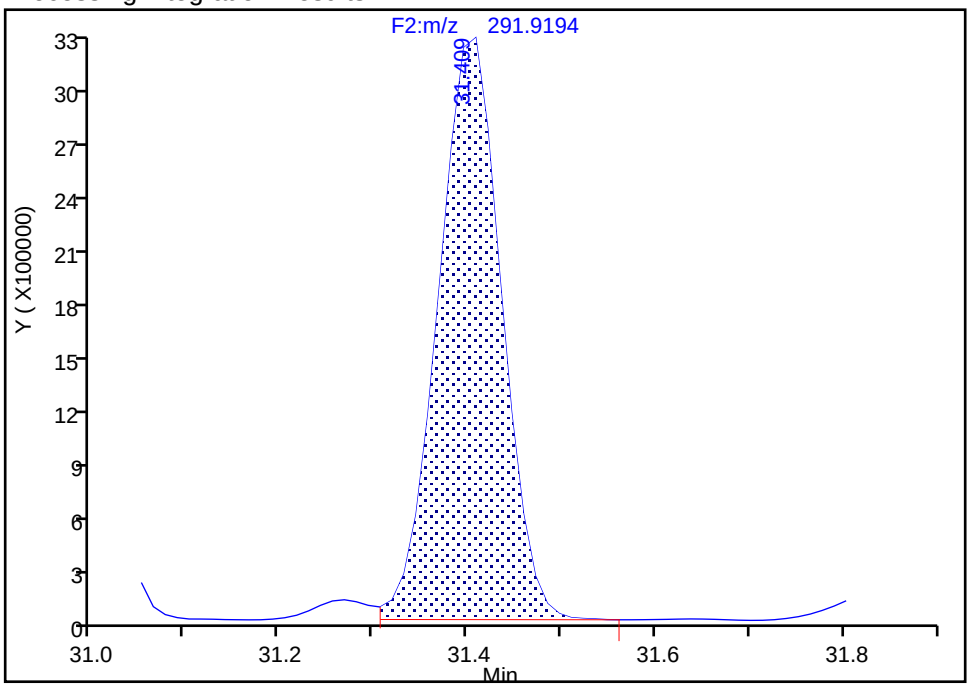
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-80, CAS: 33284-52-5

Signal: 2

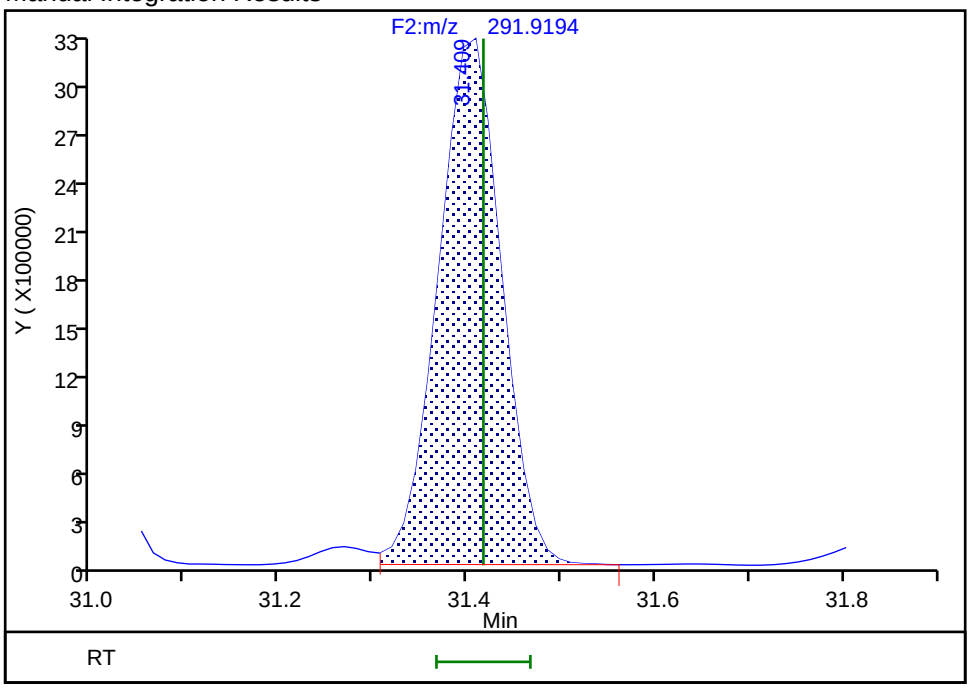
Processing Integration Results

RT: 31.41
Area: 15033729
Amount: 346.9644
Amount Units: pg/ul




Manual Integration Results

RT: 31.41
Area: 15033729
Amount: 344.3607
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:39:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

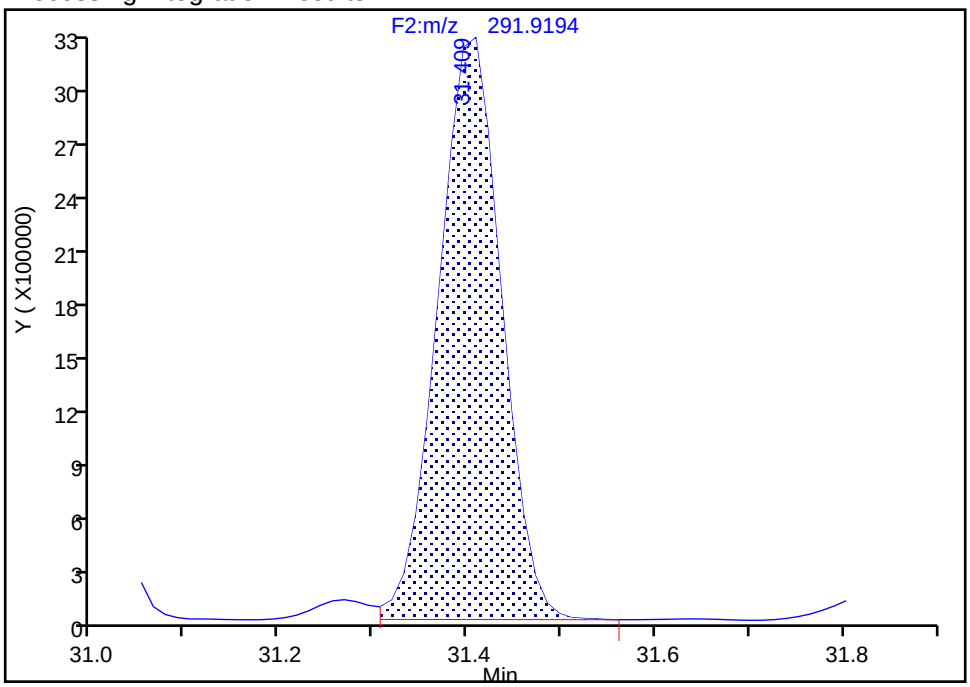
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-80, CAS: 33284-52-5

Signal: 3

Processing Integration Results

RT: 31.41
Area: 27297665
Amount: 346.9644
Amount Units: pg/ul




Manual Integration Results

RT: 31.41
Area: 26961704
Amount: 344.3607
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:39:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

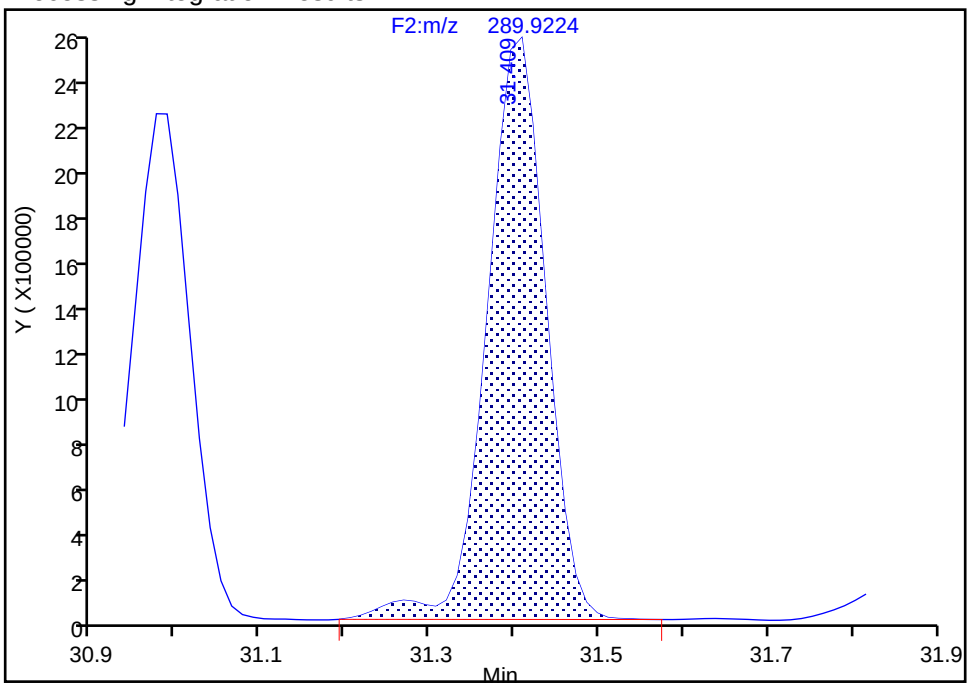
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-80, CAS: 33284-52-5

Signal: 1

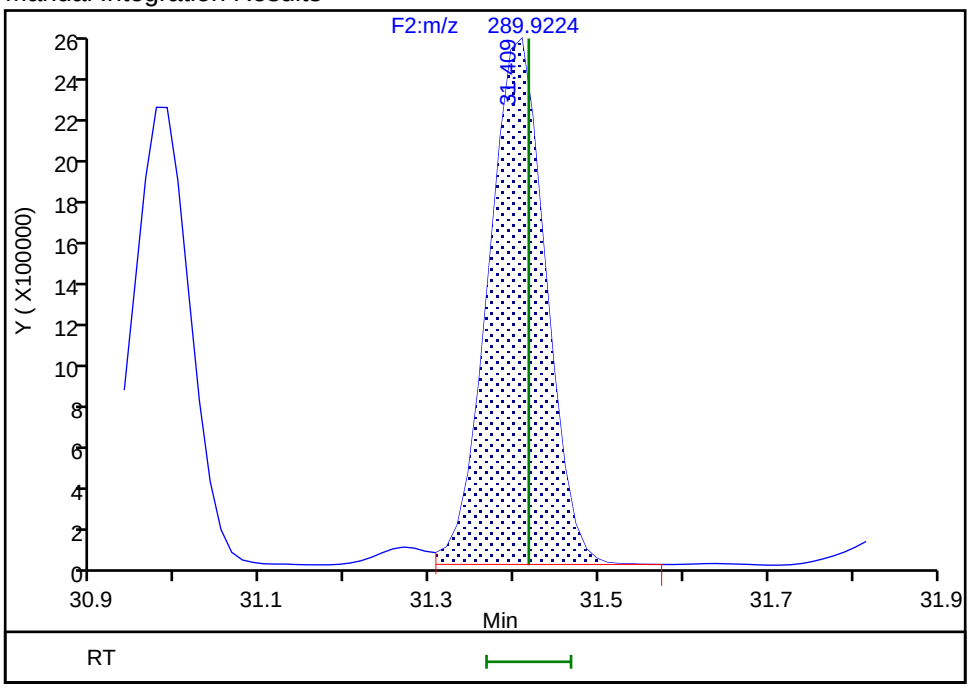
Processing Integration Results

RT: 31.41
Area: 12263936
Amount: 346.9644
Amount Units: pg/ul




Manual Integration Results

RT: 31.41
Area: 11927975
Amount: 344.3607
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:39:43

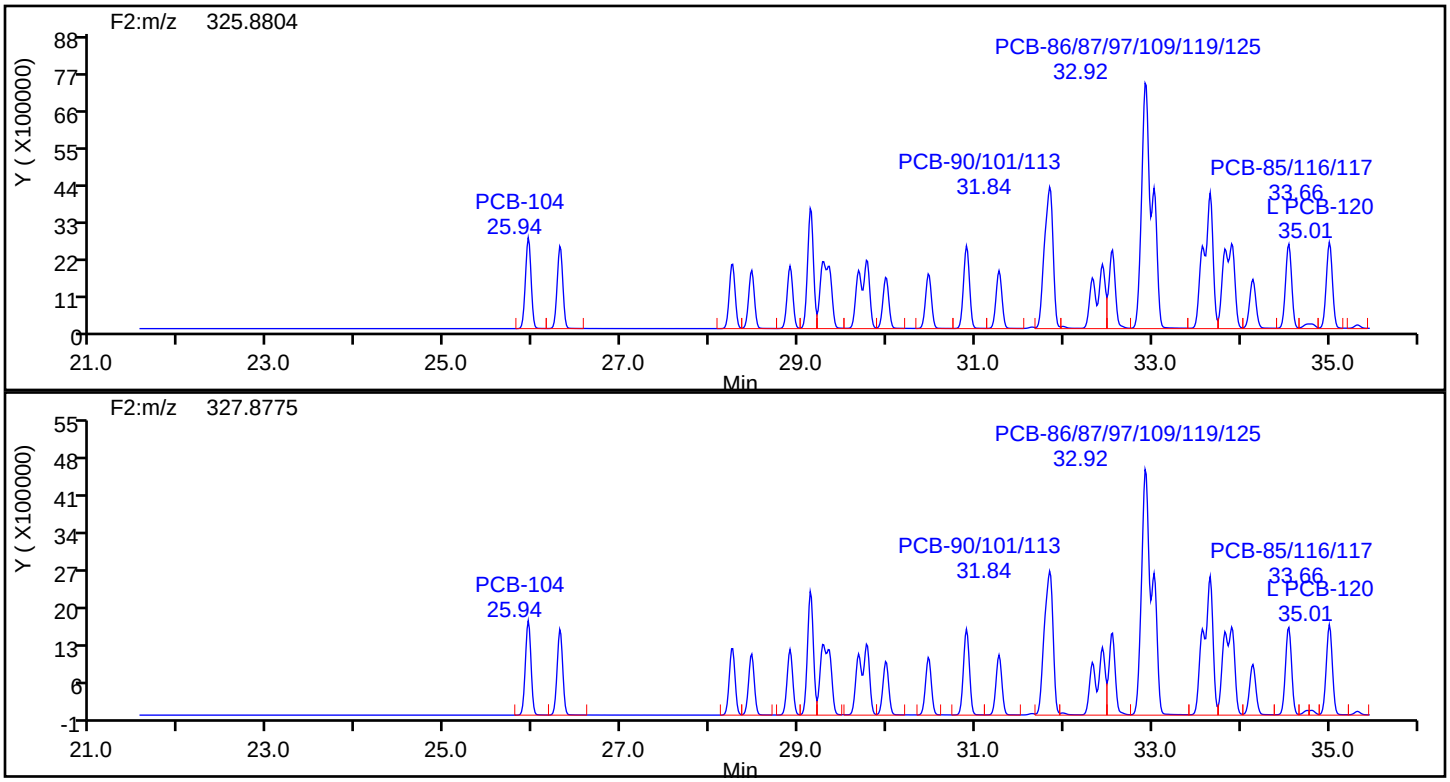
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Report Date: 30-Aug-2019 11:38:21 Chrom Revision: 2.3 22-Aug-2019 12:55:36

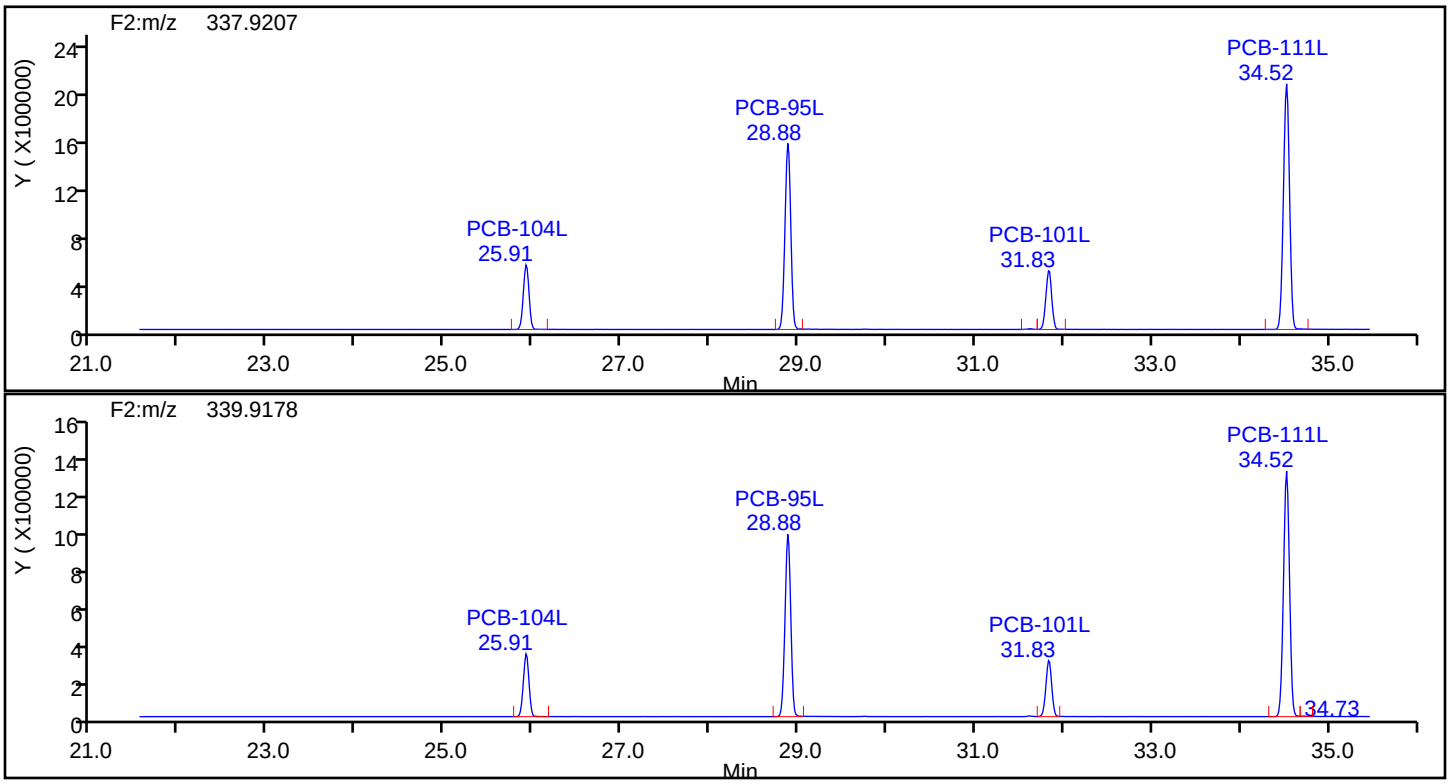
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



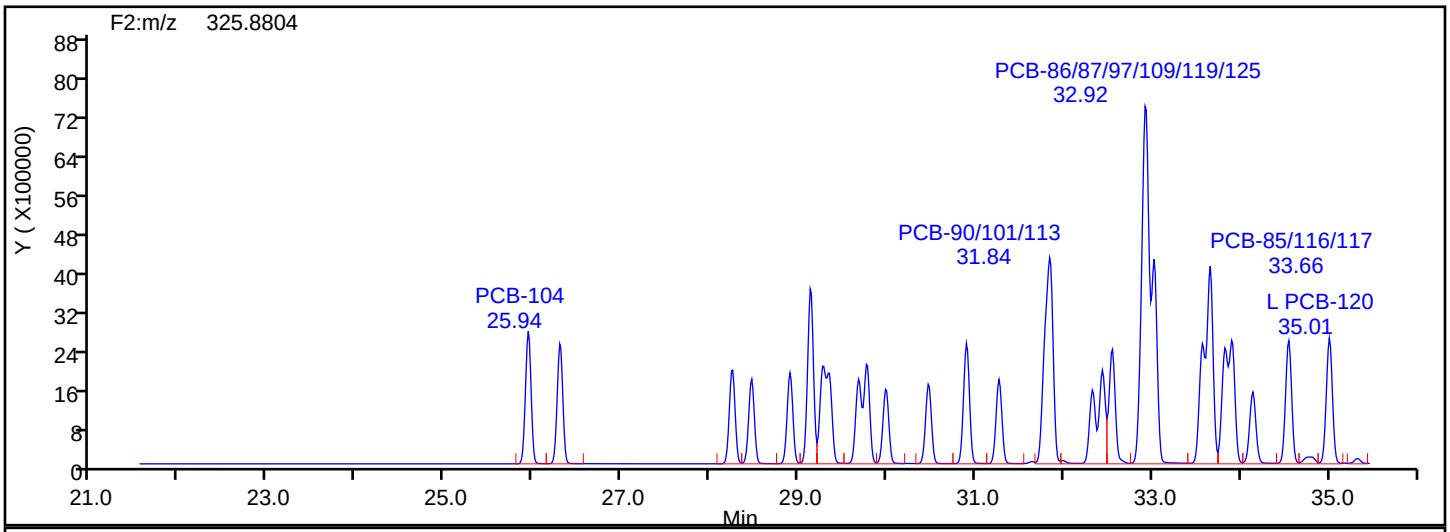

PePCB F2 Standards

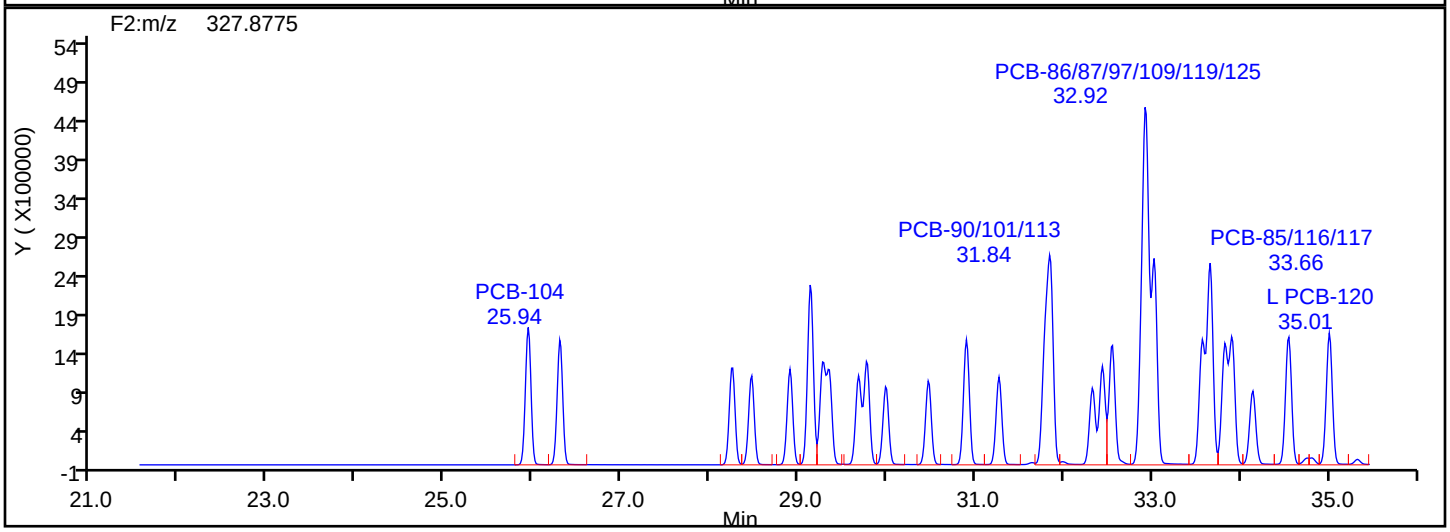


Eurofins TestAmerica, Knoxville

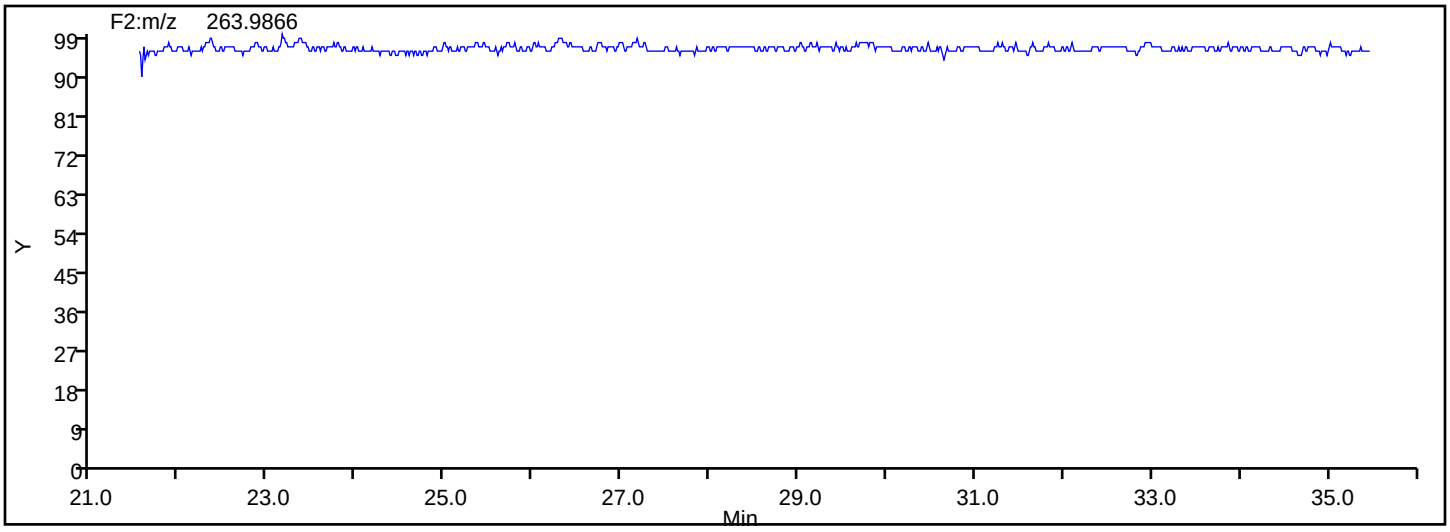
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

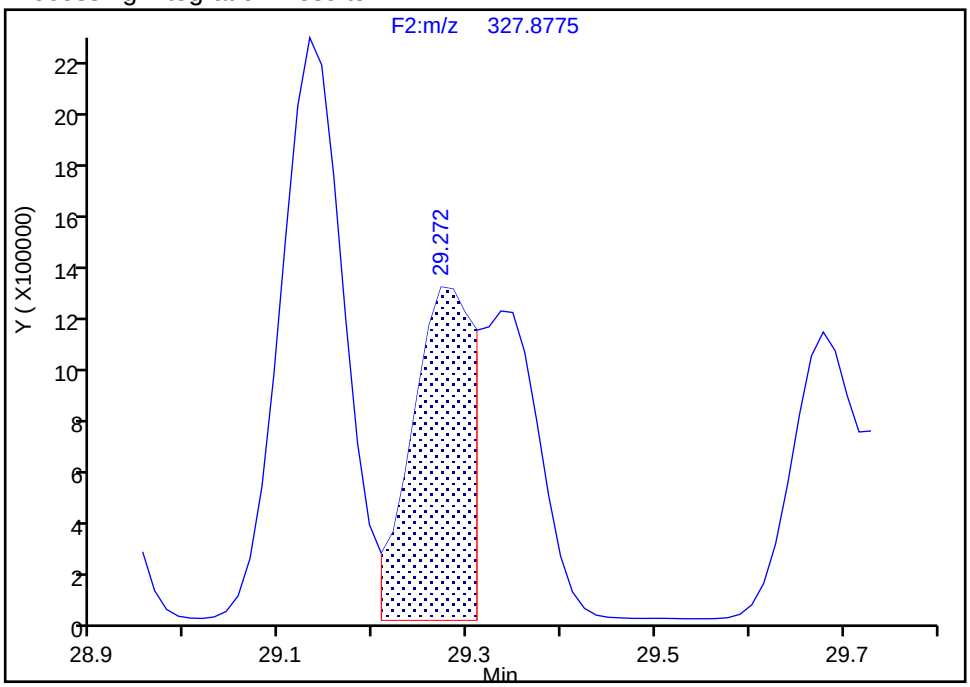
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

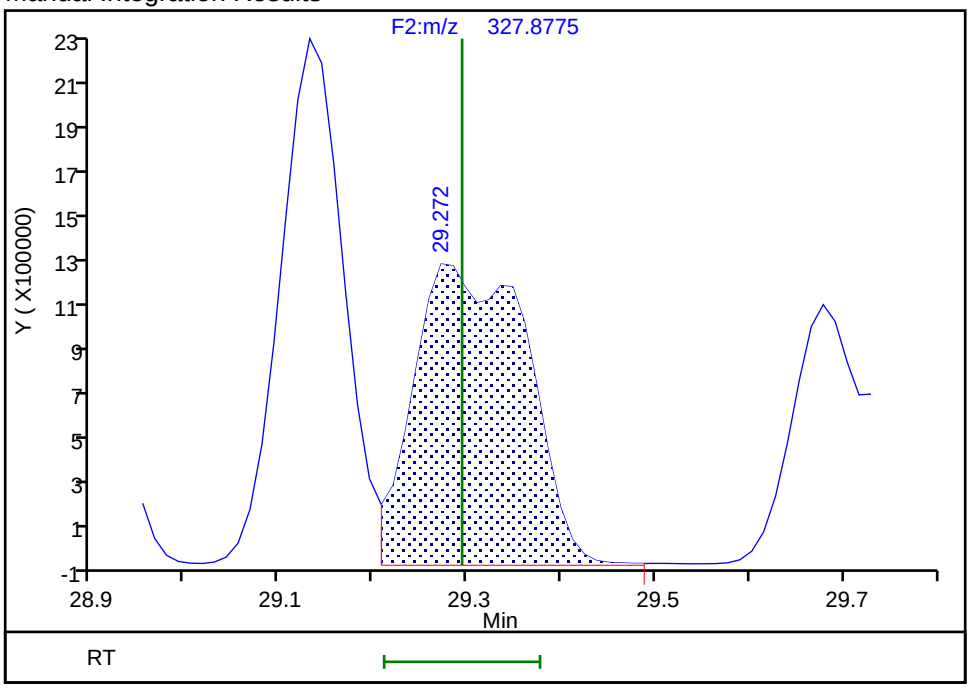
Processing Integration Results

RT: 29.27
Area: 5741990
Amount: 536.6921
Amount Units: pg/ul




Manual Integration Results

RT: 29.27
Area: 11062464
Amount: 737.6600
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:55:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

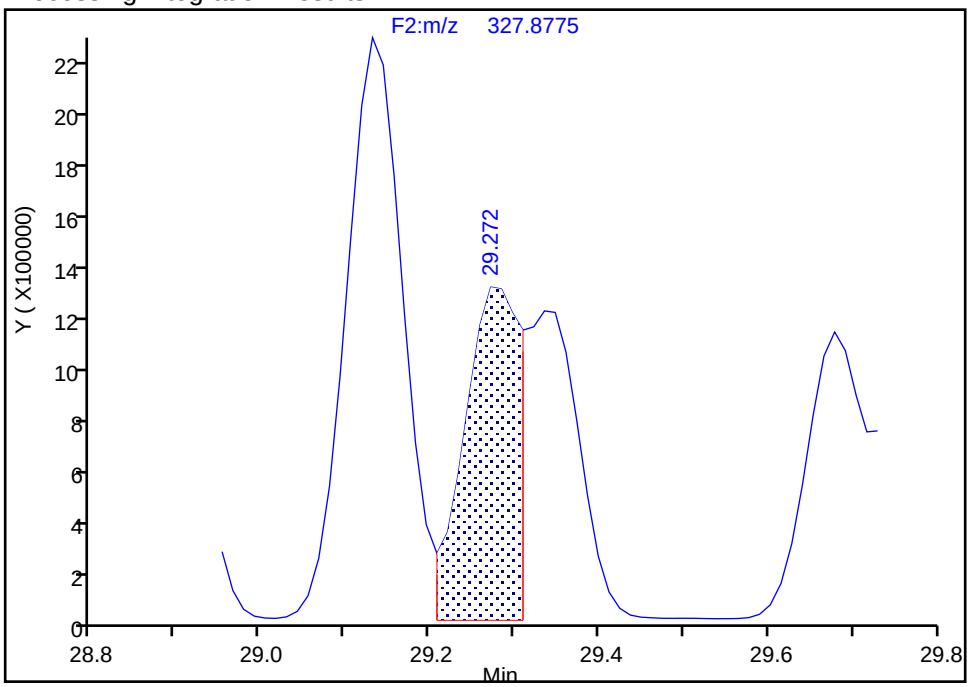
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 3

Processing Integration Results

RT: 29.27
Area: 14589977
Amount: 536.6921
Amount Units: pg/ul




Manual Integration Results

RT: 29.27
Area: 28205854
Amount: 737.6600
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:55:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

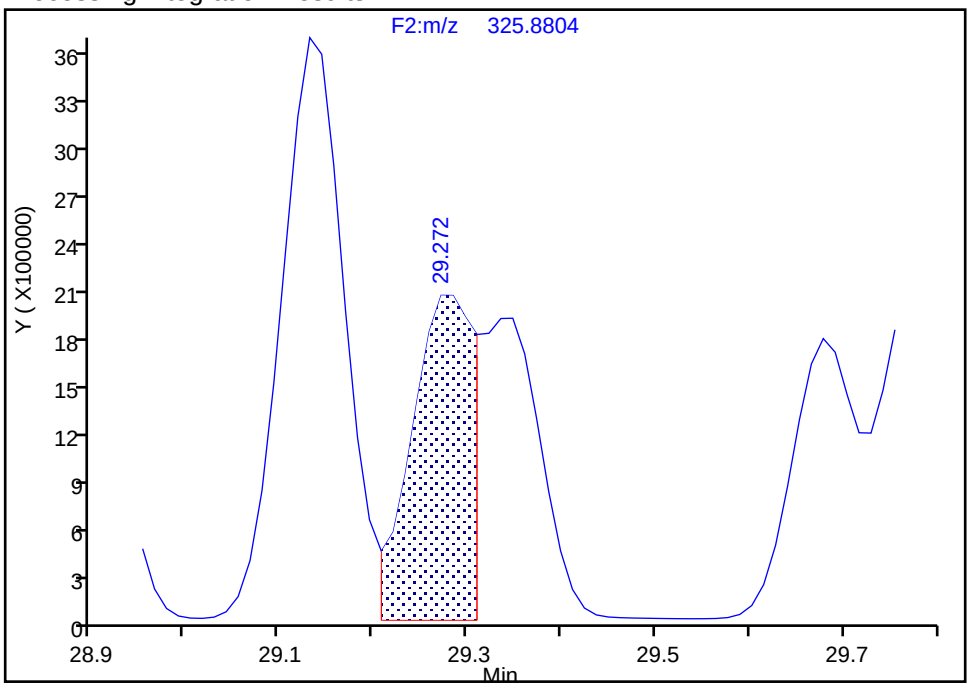
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

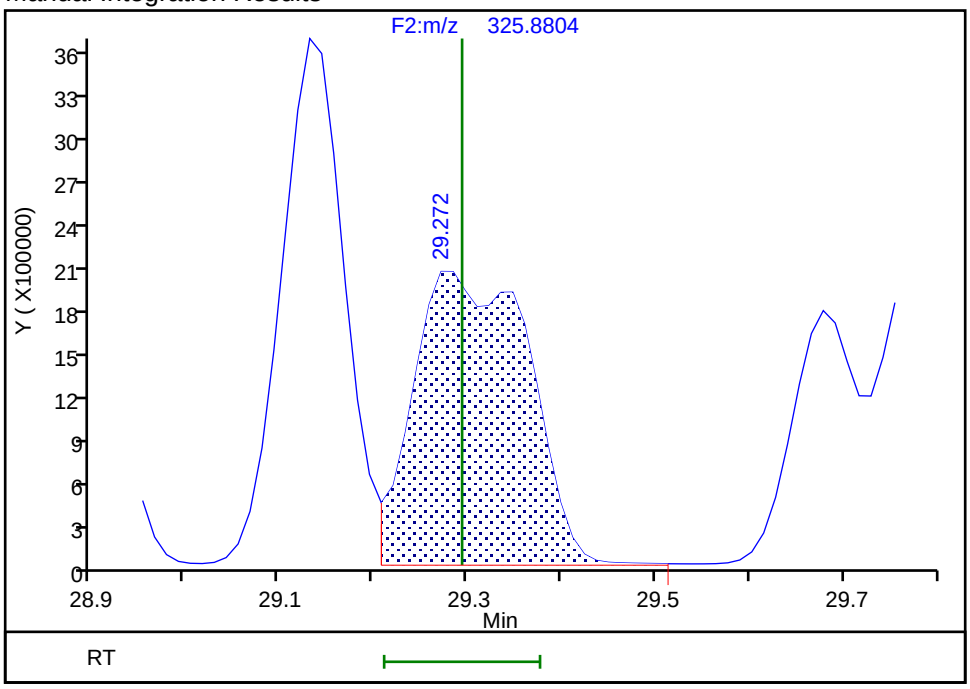
Processing Integration Results

RT: 29.27
Area: 8847987
Amount: 536.6921
Amount Units: pg/ul




Manual Integration Results

RT: 29.27
Area: 17143390
Amount: 737.6600
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:55:58
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

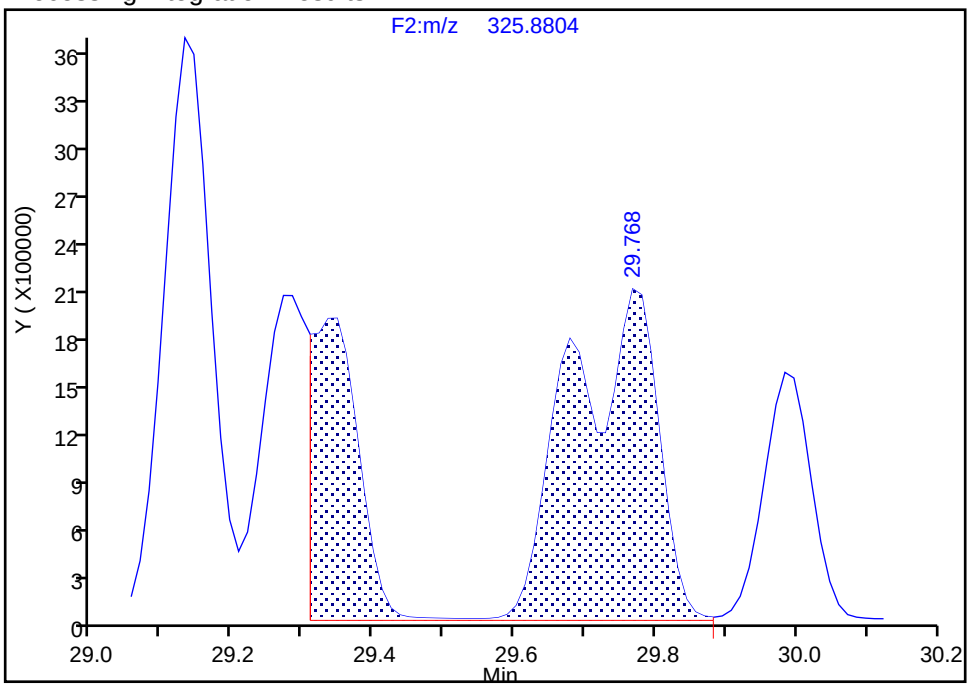
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 1

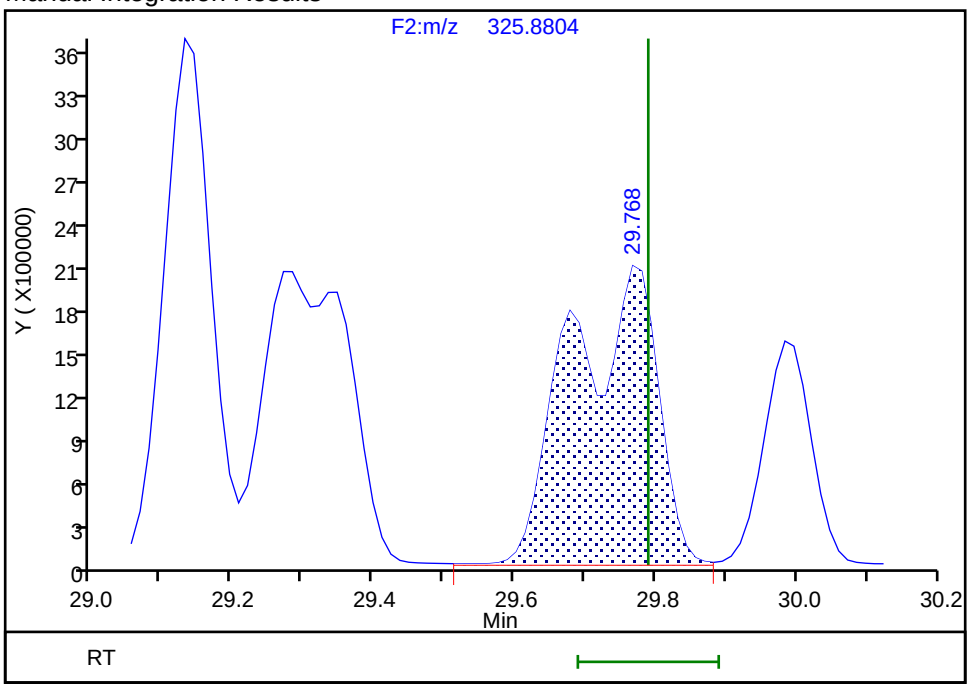
Processing Integration Results

RT: 29.77
Area: 25815557
Amount: 954.6148
Amount Units: pg/ul




Manual Integration Results

RT: 29.77
Area: 17505774
Amount: 739.5973
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:55:16
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

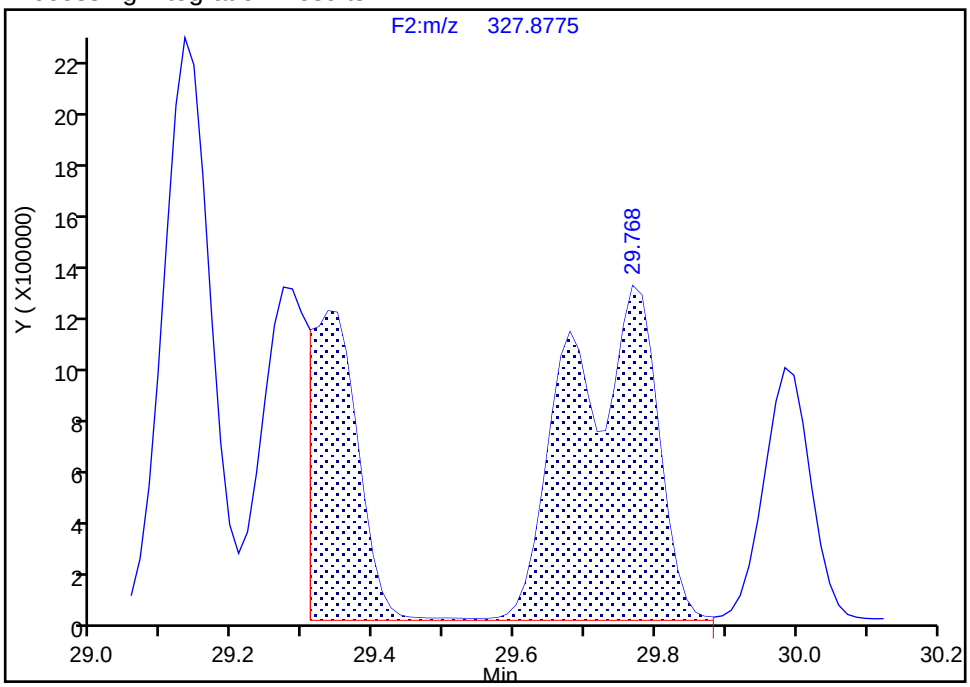
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 2

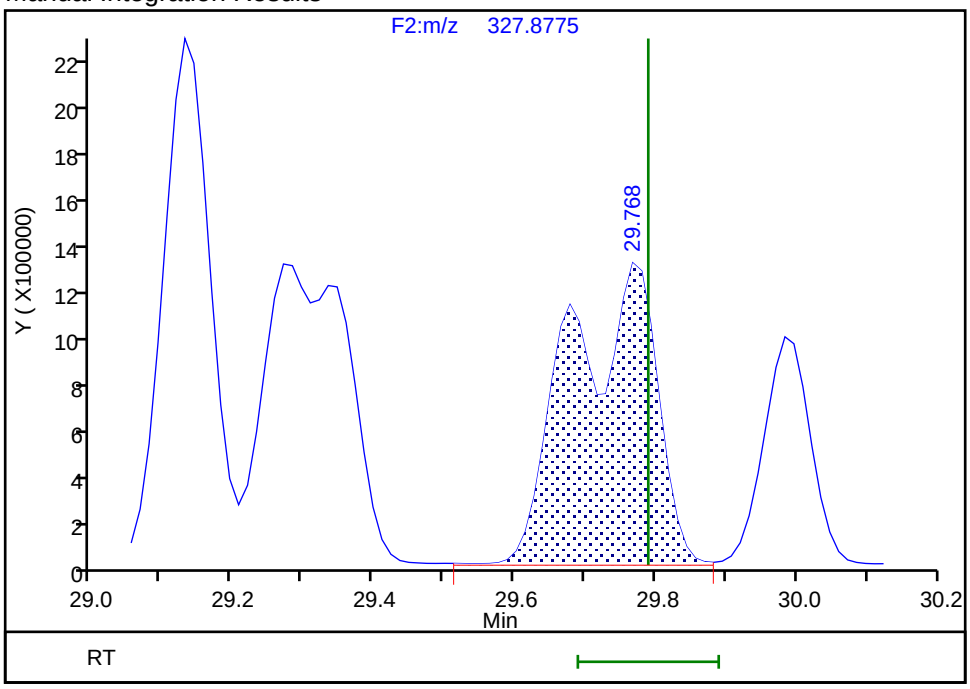
Processing Integration Results

RT: 29.77
Area: 16574318
Amount: 954.6148
Amount Units: pg/ul




Manual Integration Results

RT: 29.77
Area: 11243695
Amount: 739.5973
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:55:22

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

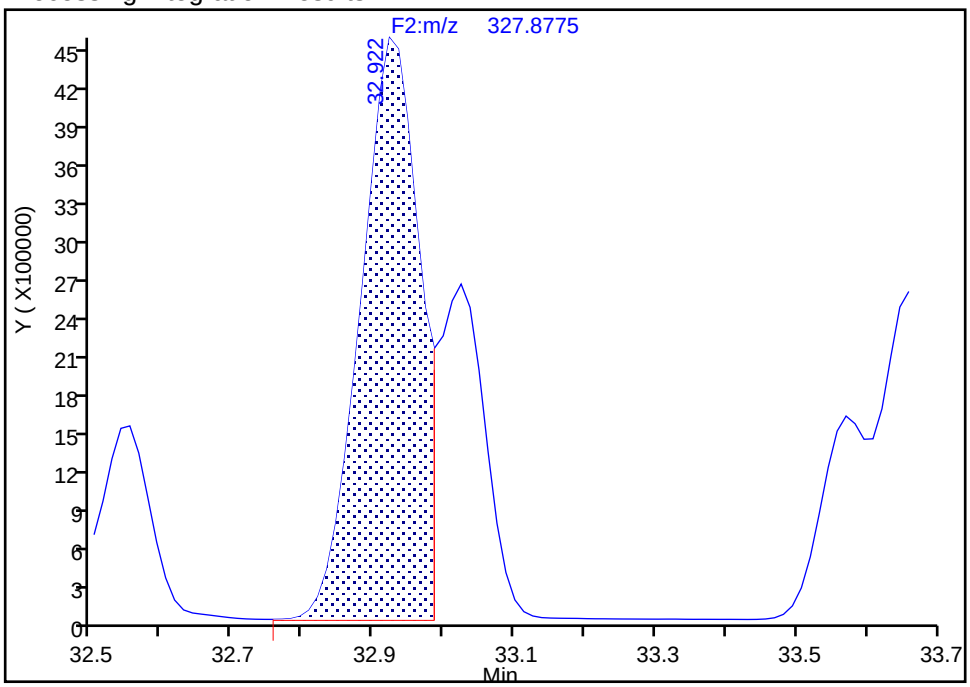
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

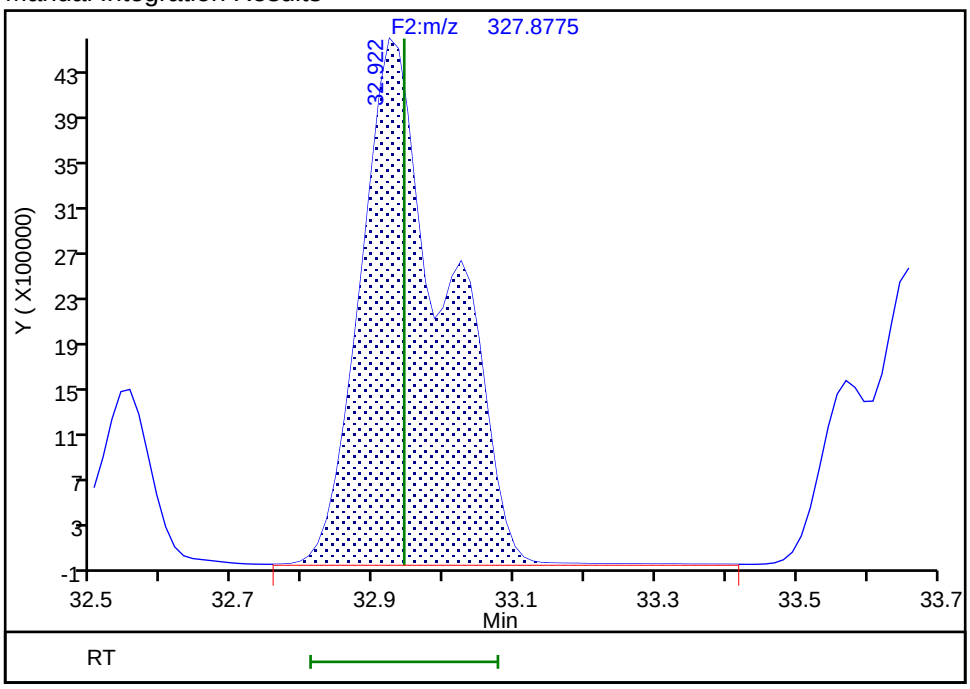
Processing Integration Results

RT: 32.92
Area: 26366184
Amount: 1876.7322
Amount Units: pg/ul




Manual Integration Results

RT: 32.92
Area: 38474174
Amount: 2158.3799
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:56:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

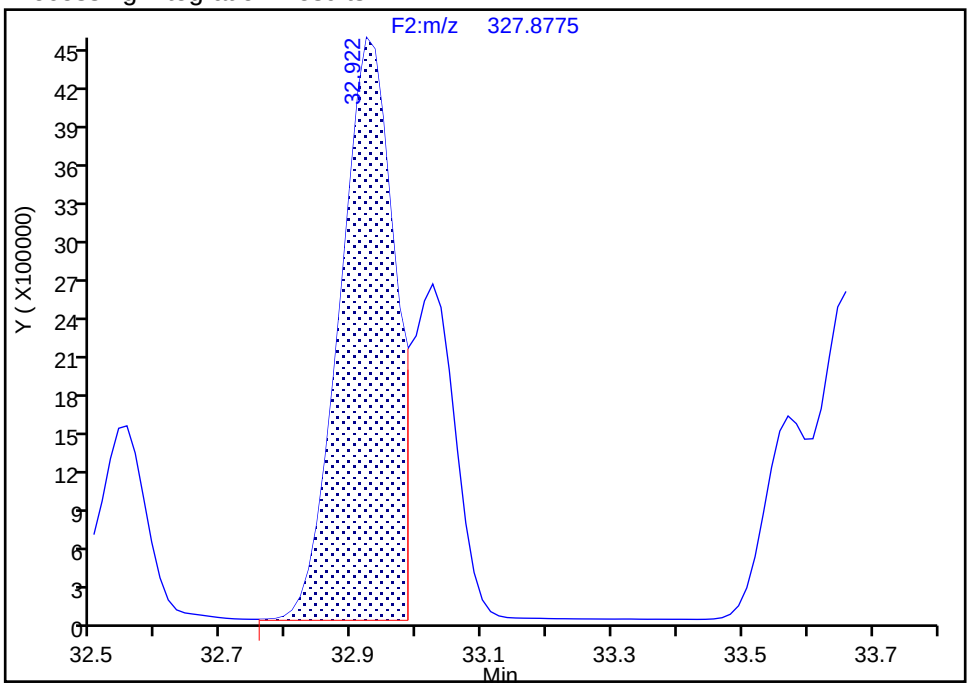
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.92
Area: 68499476
Amount: 1876.7322
Amount Units: pg/ul




Manual Integration Results

RT: 32.92
Area: 99803745
Amount: 2158.3799
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:56:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

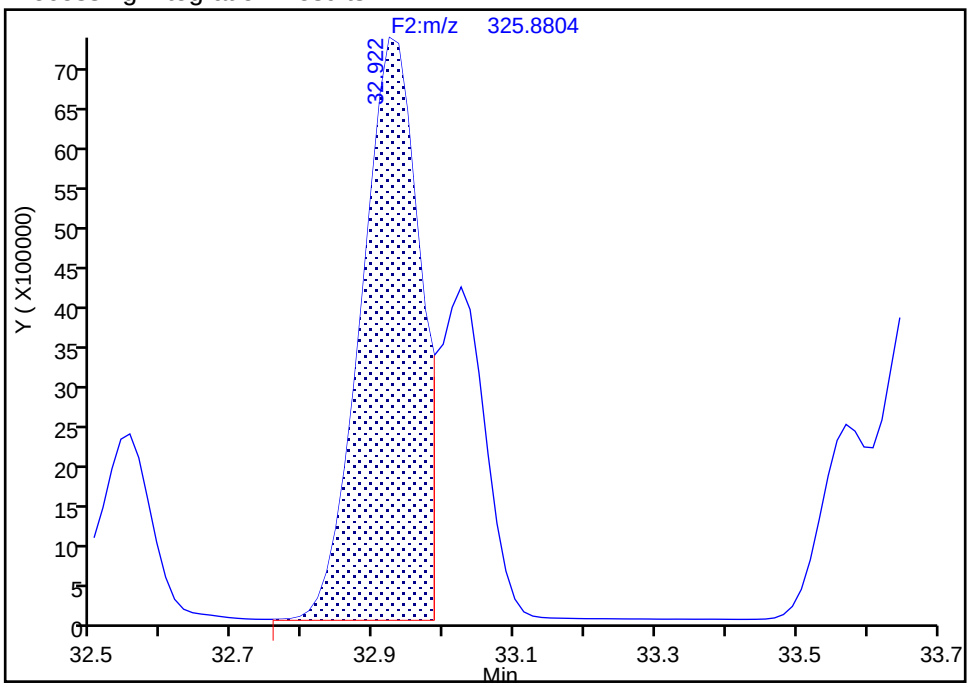
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

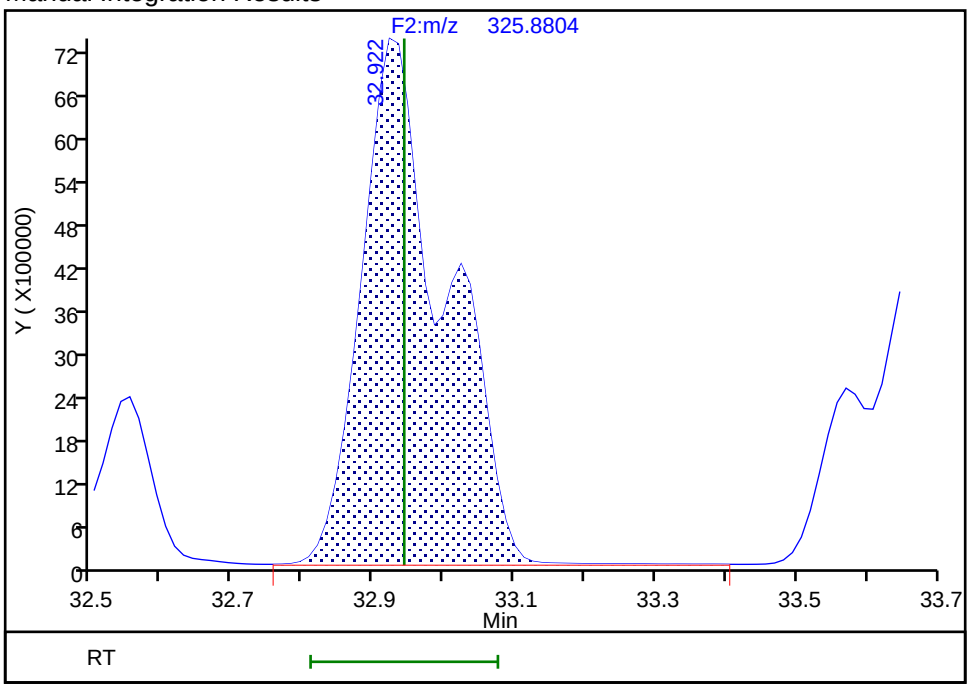
Processing Integration Results

RT: 32.92
Area: 42133292
Amount: 1876.7322
Amount Units: pg/ul




Manual Integration Results

RT: 32.92
Area: 61329571
Amount: 2158.3799
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:56:42
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
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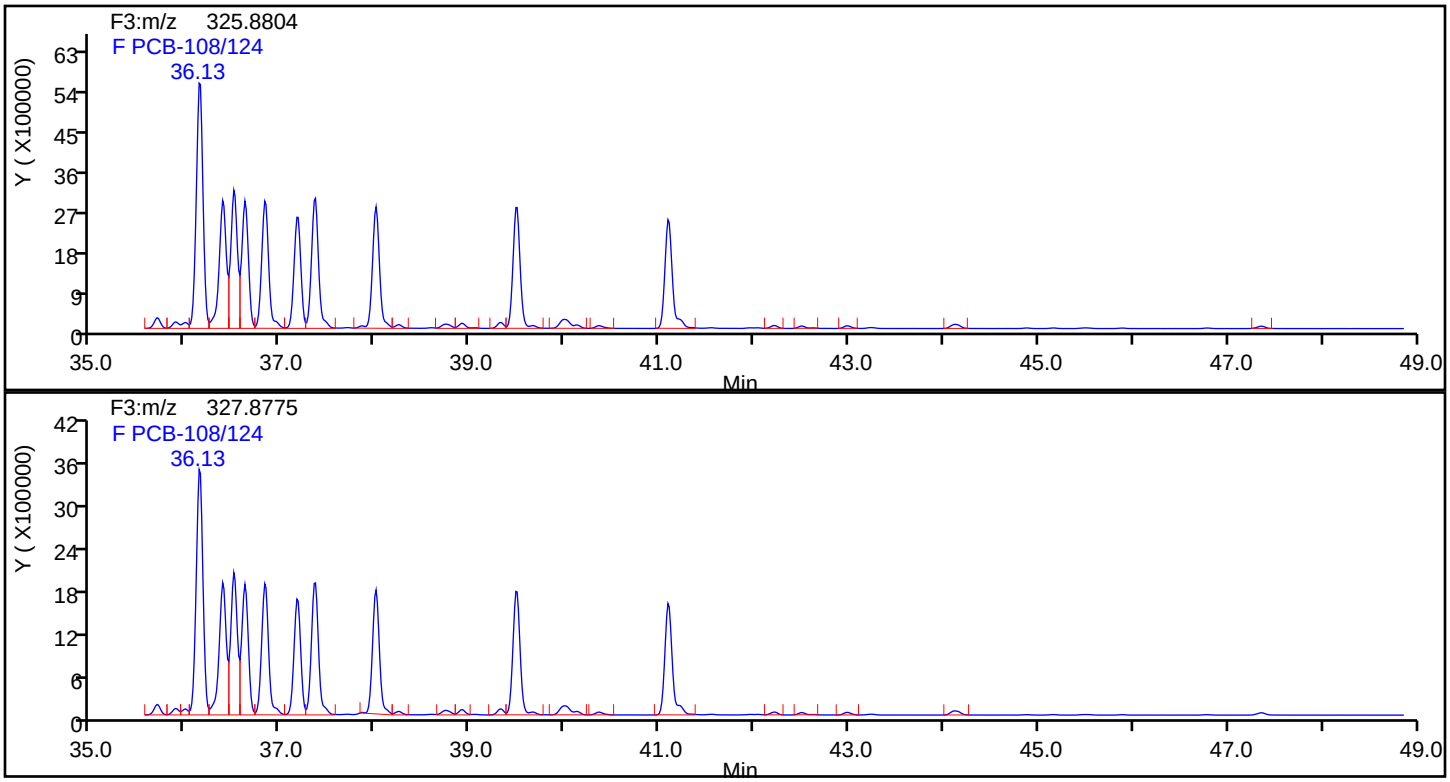
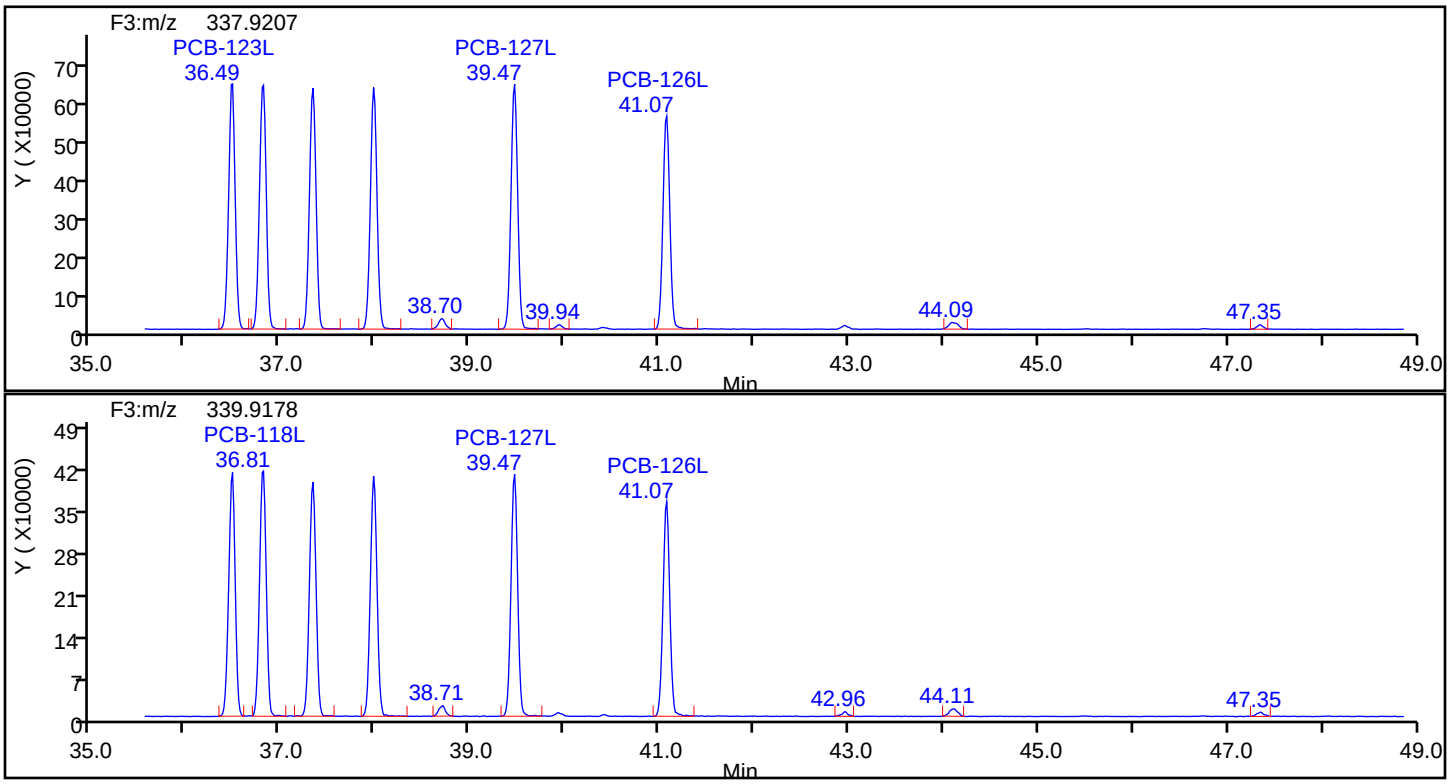
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



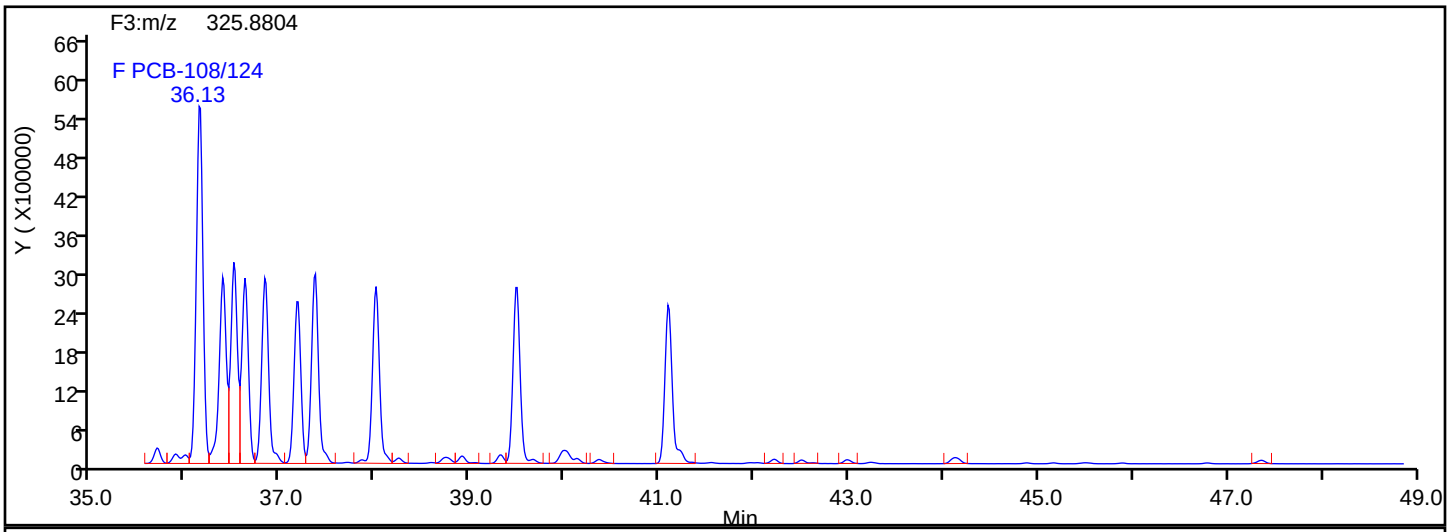

PePCB F3 Standards

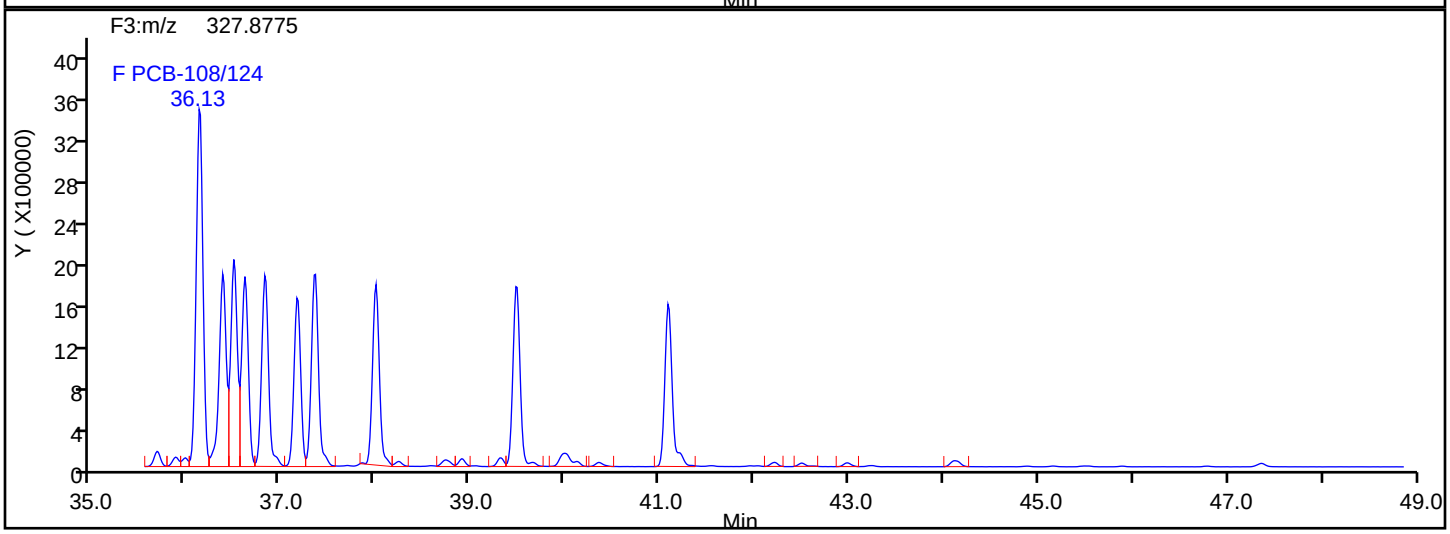


Eurofins TestAmerica, Knoxville

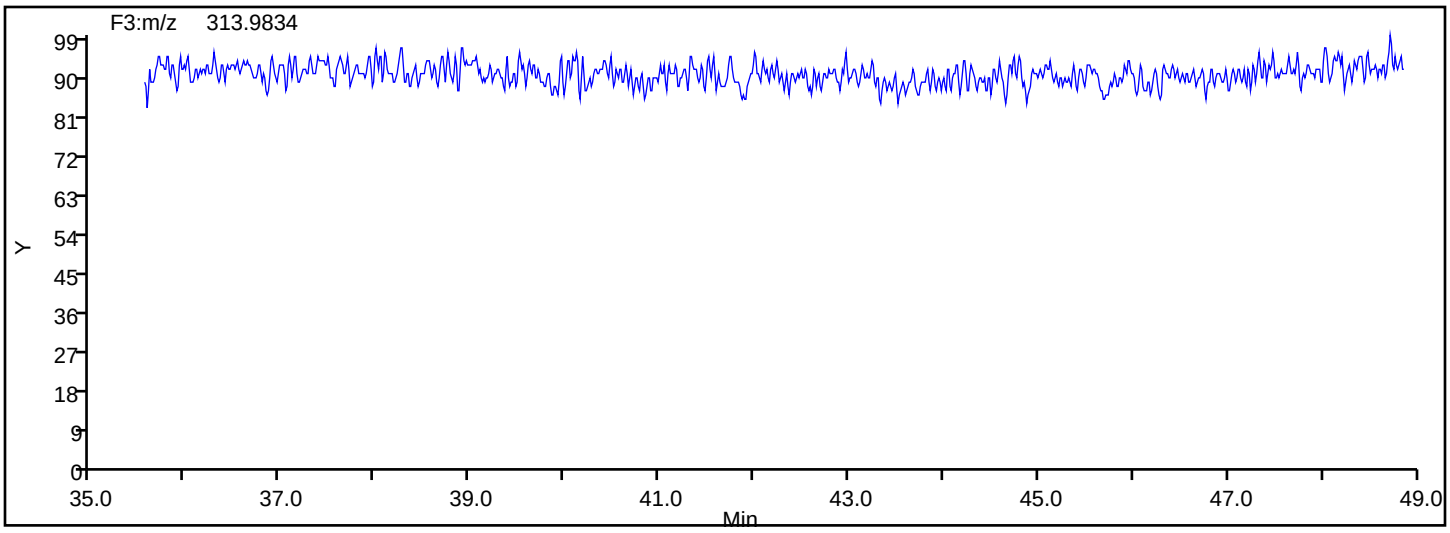
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



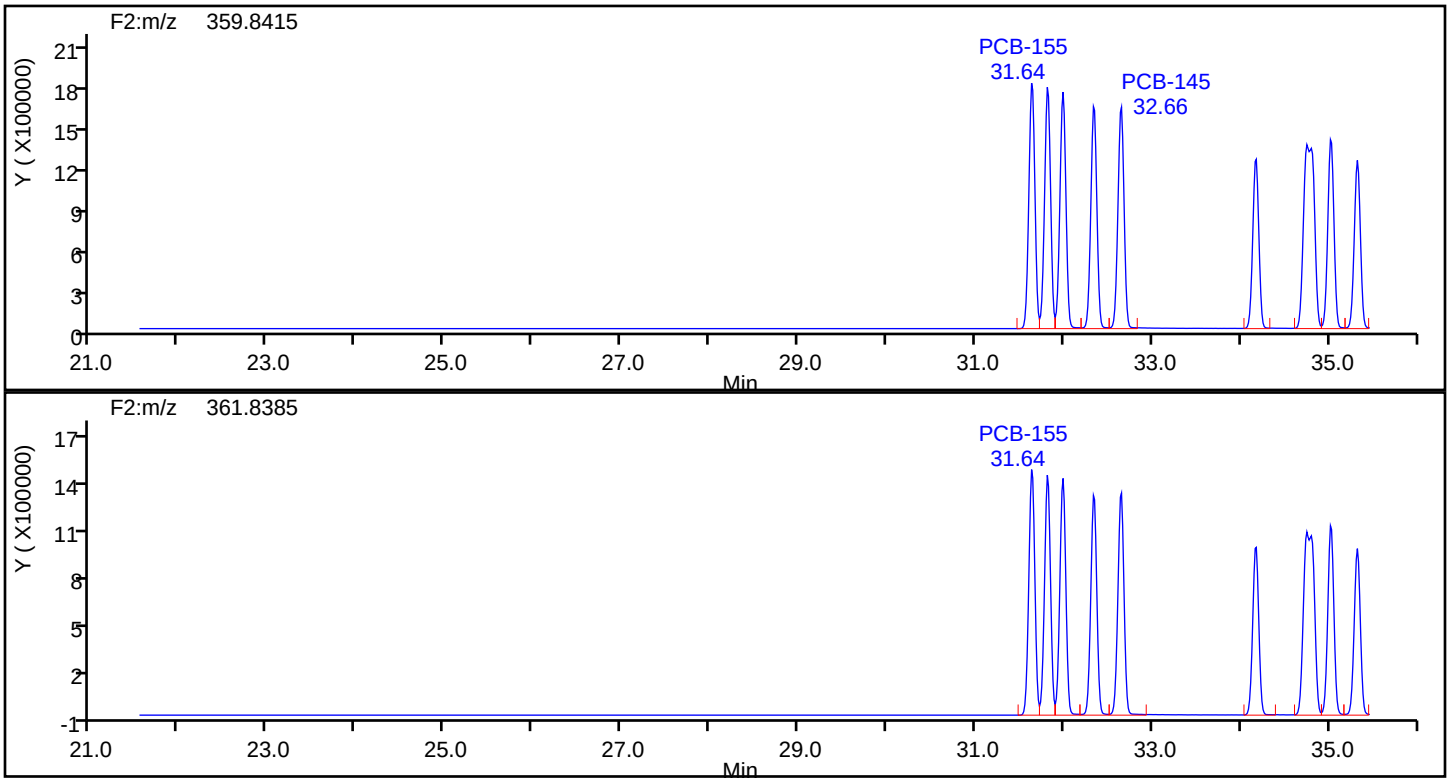

PePCB F3 Lock Mass



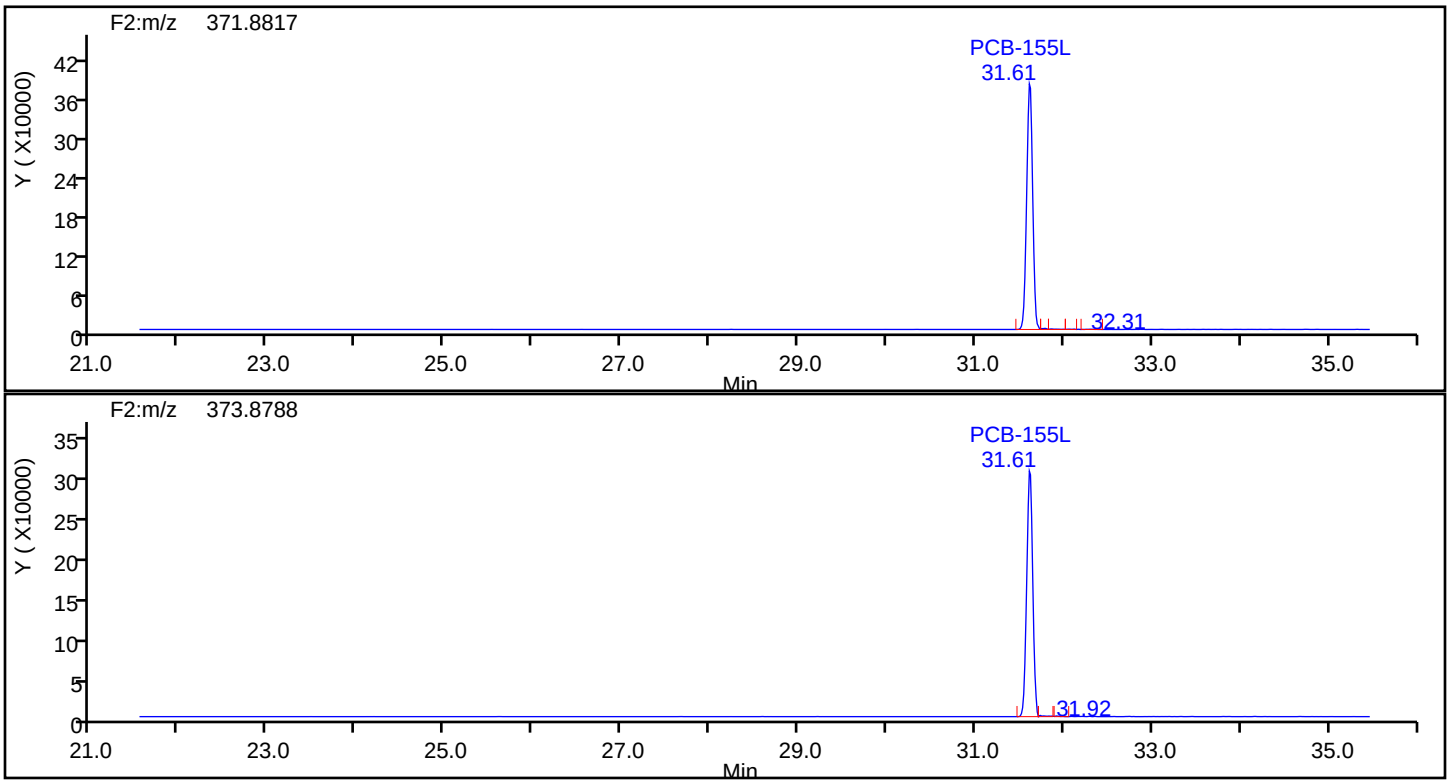
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



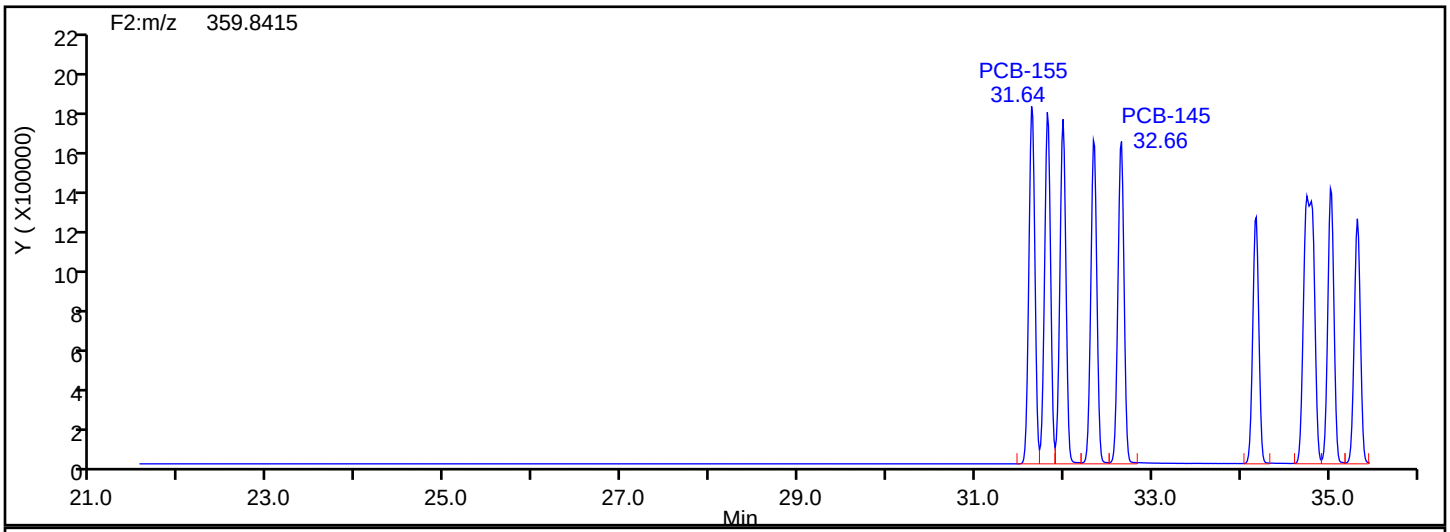

HxPCB F2 Standards

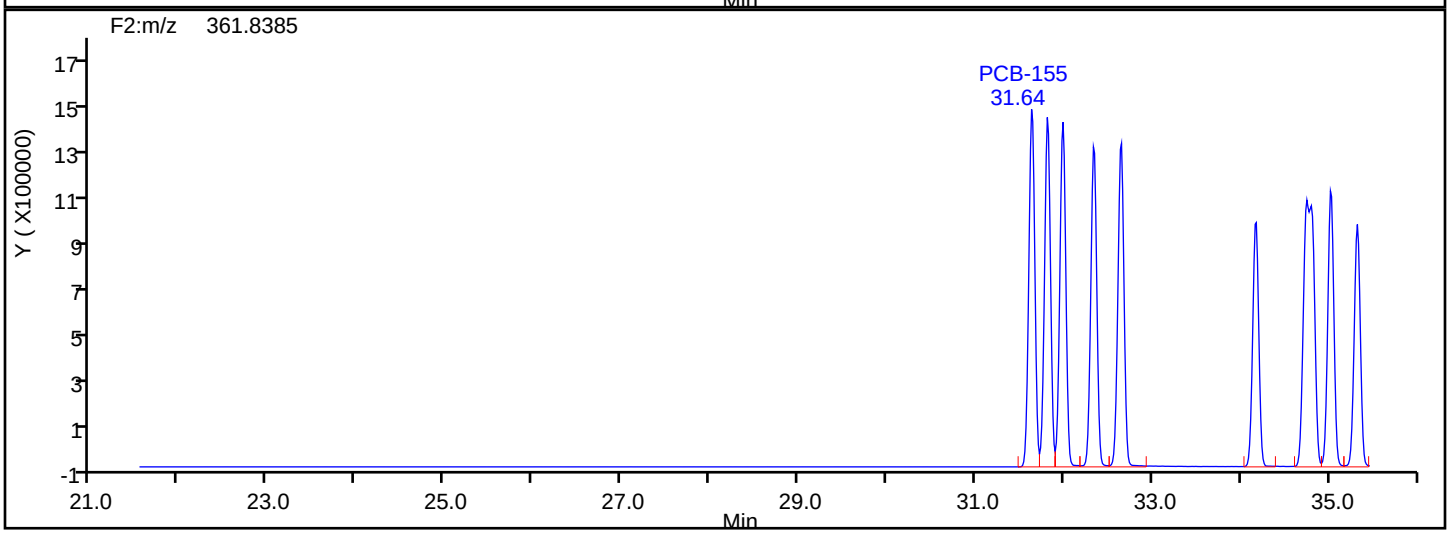


Eurofins TestAmerica, Knoxville

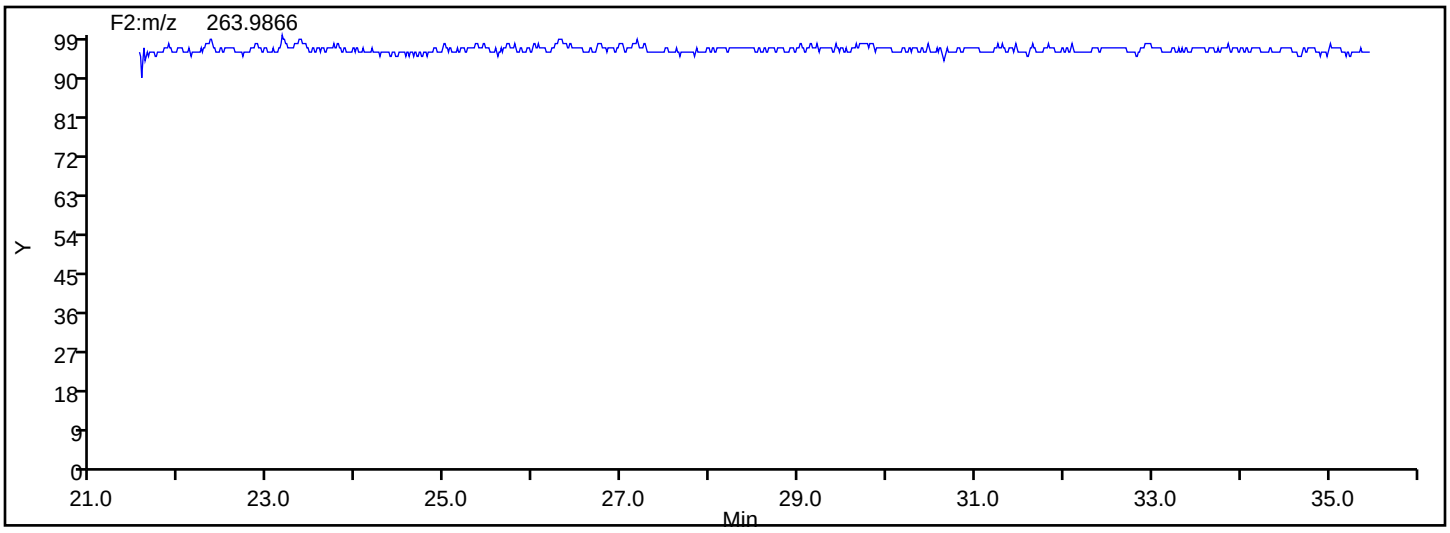
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

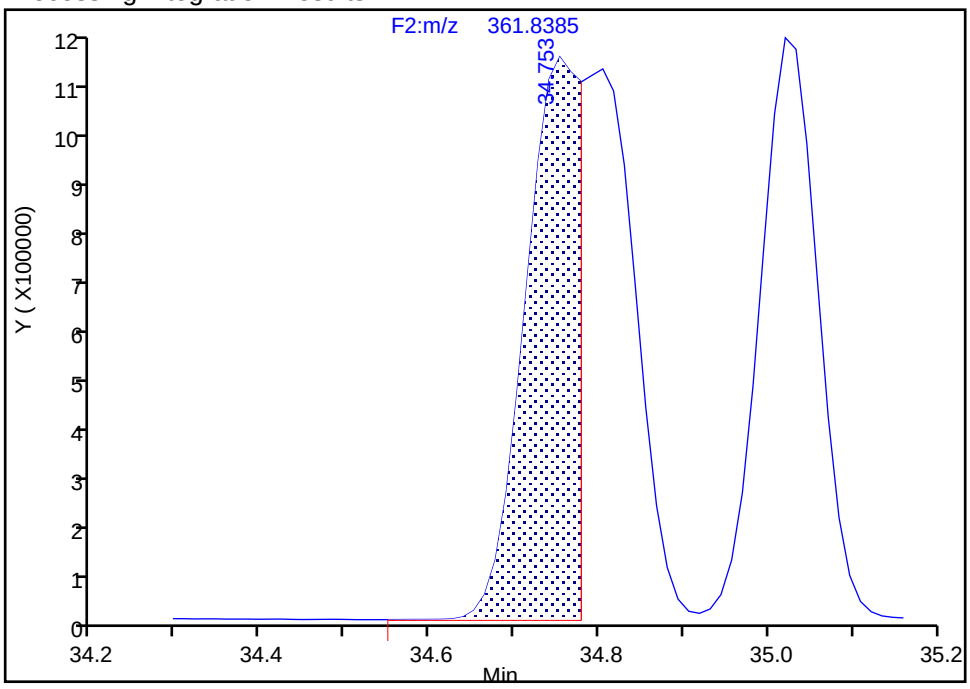
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

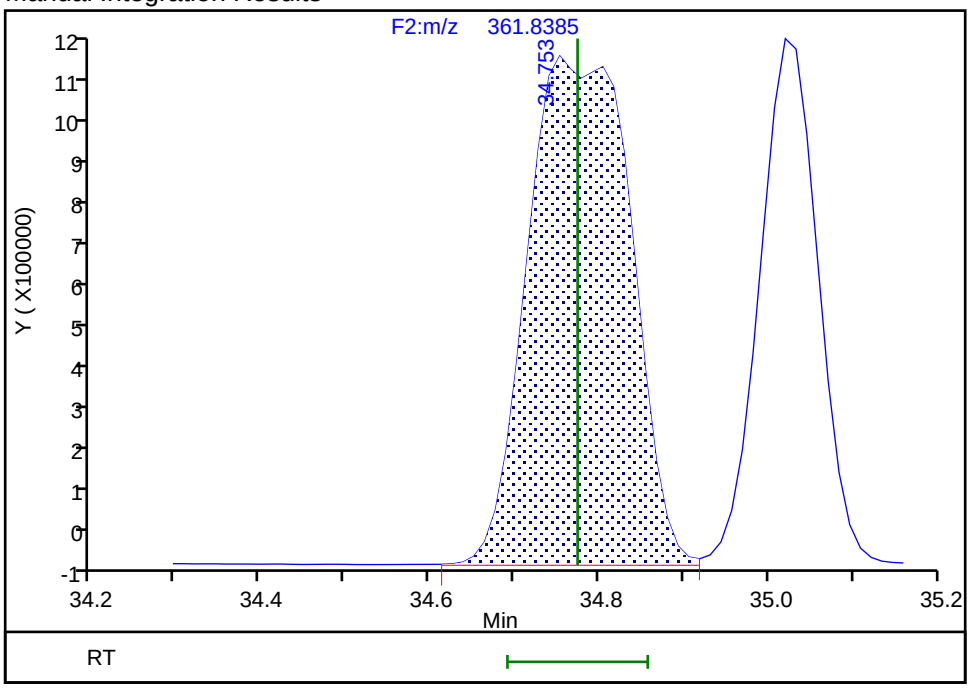
Processing Integration Results

RT: 34.75
Area: 4699971
Amount: 494.5838
Amount Units: pg/ul




Manual Integration Results

RT: 34.75
Area: 9268674
Amount: 748.0958
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:57:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

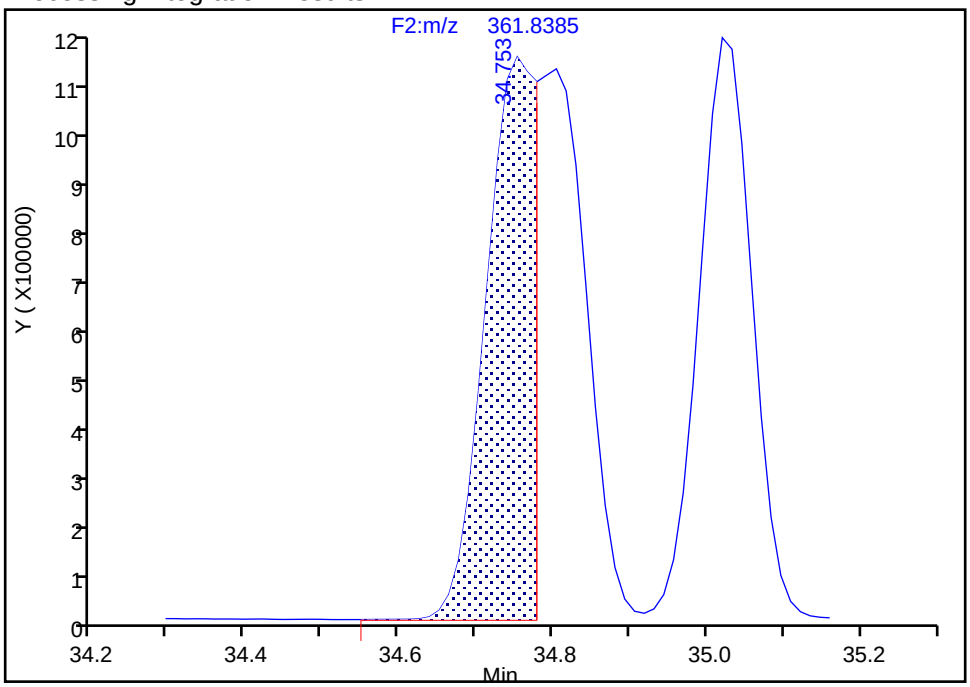
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.75
Area: 10572360
Amount: 494.5838
Amount Units: pg/ul




Manual Integration Results

RT: 34.75
Area: 20973904
Amount: 748.0958
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:57:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

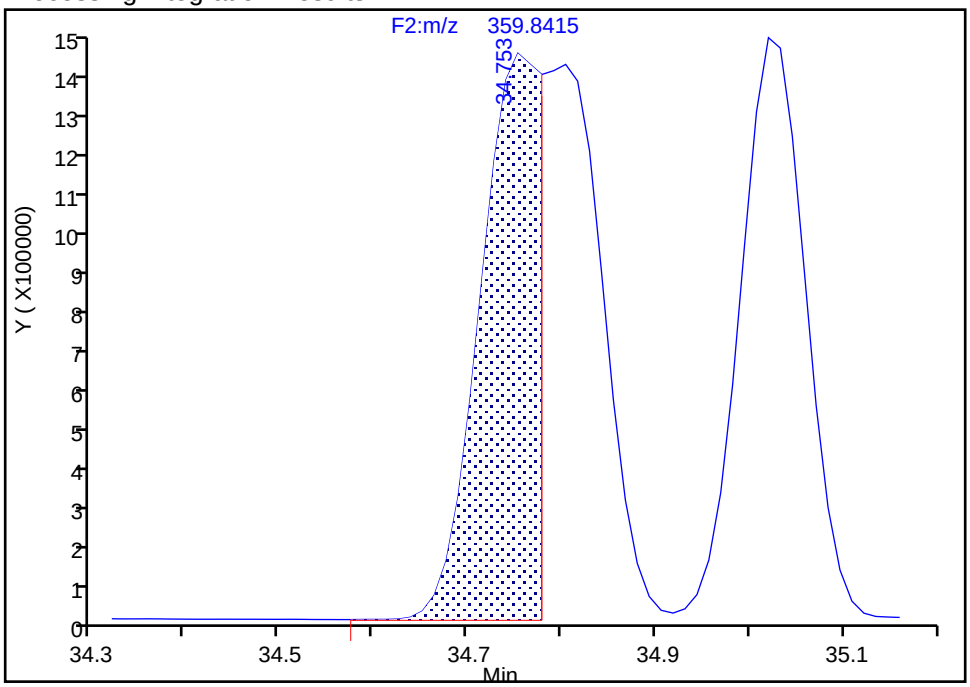
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

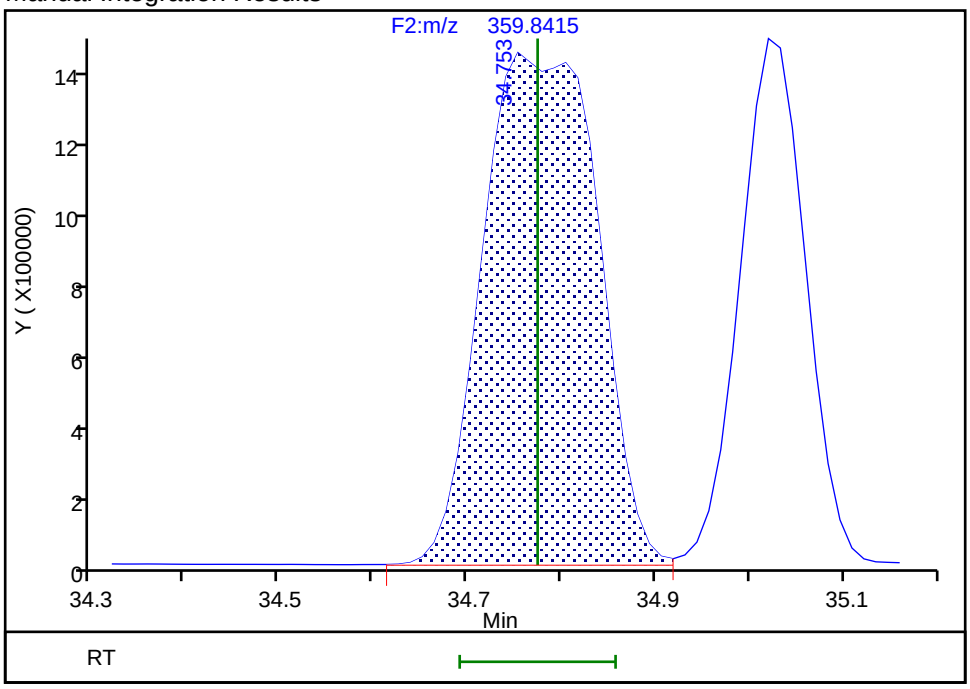
Processing Integration Results

RT: 34.75
Area: 5872389
Amount: 494.5838
Amount Units: pg/ul




Manual Integration Results

RT: 34.75
Area: 11705230
Amount: 748.0958
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:57:47

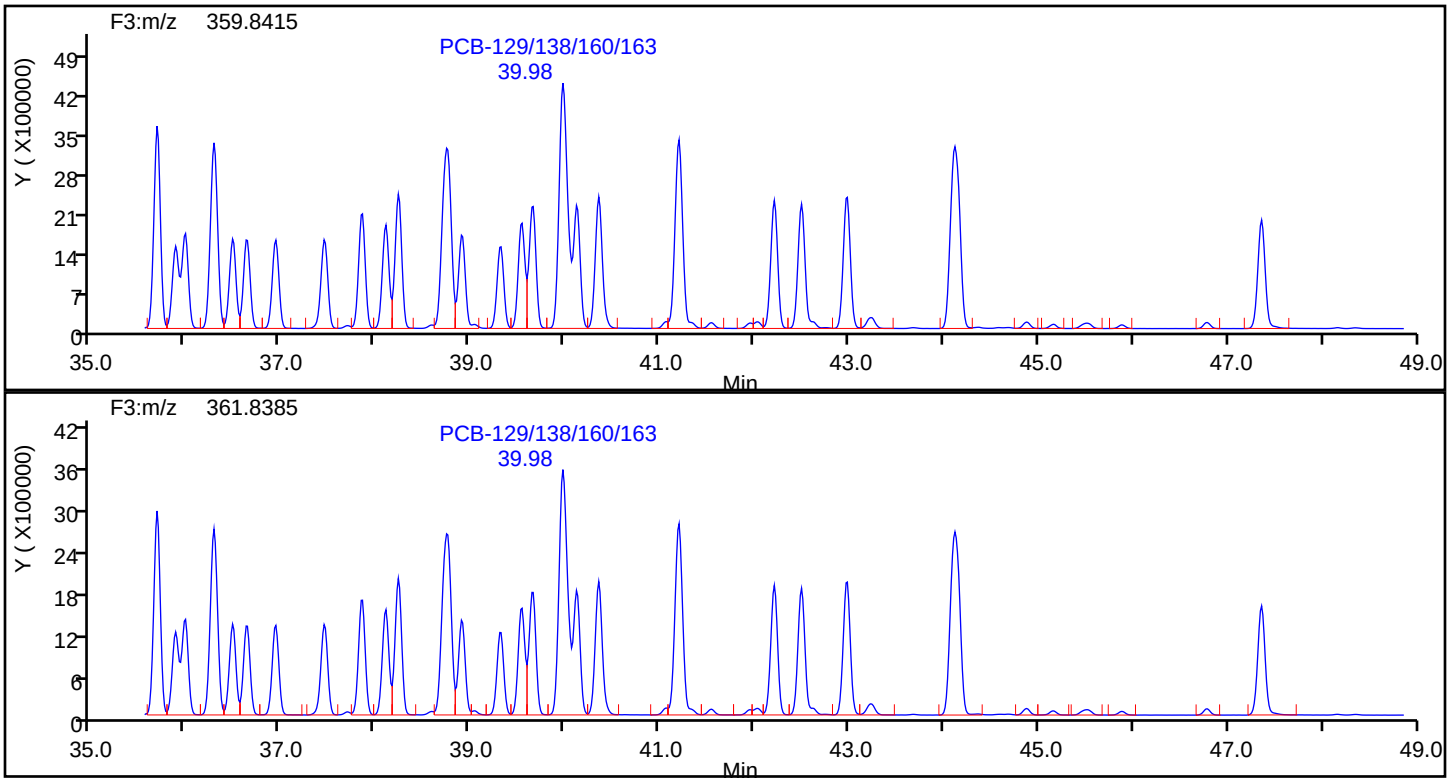
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 30-Aug-2019 11:38:22 Chrom Revision: 2.3 22-Aug-2019 12:55:36

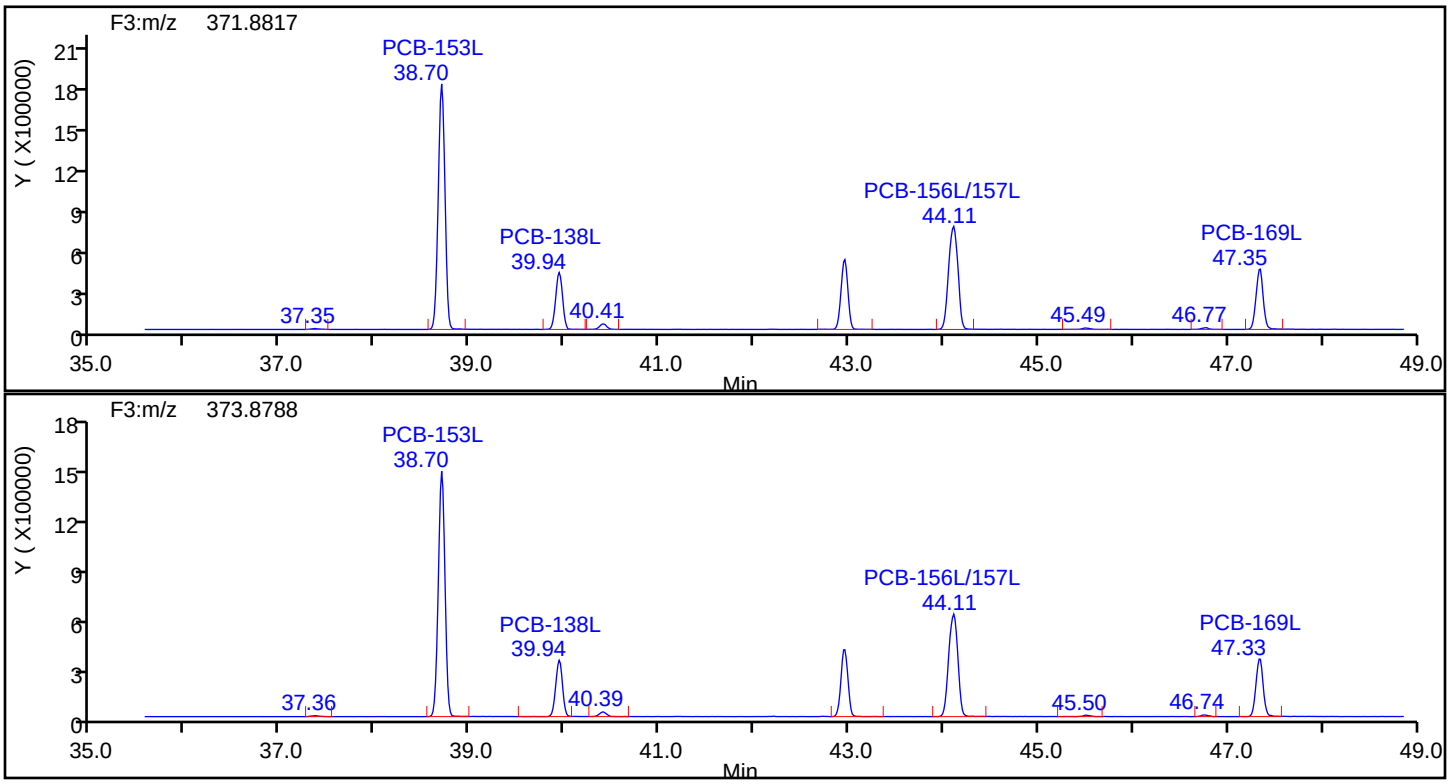
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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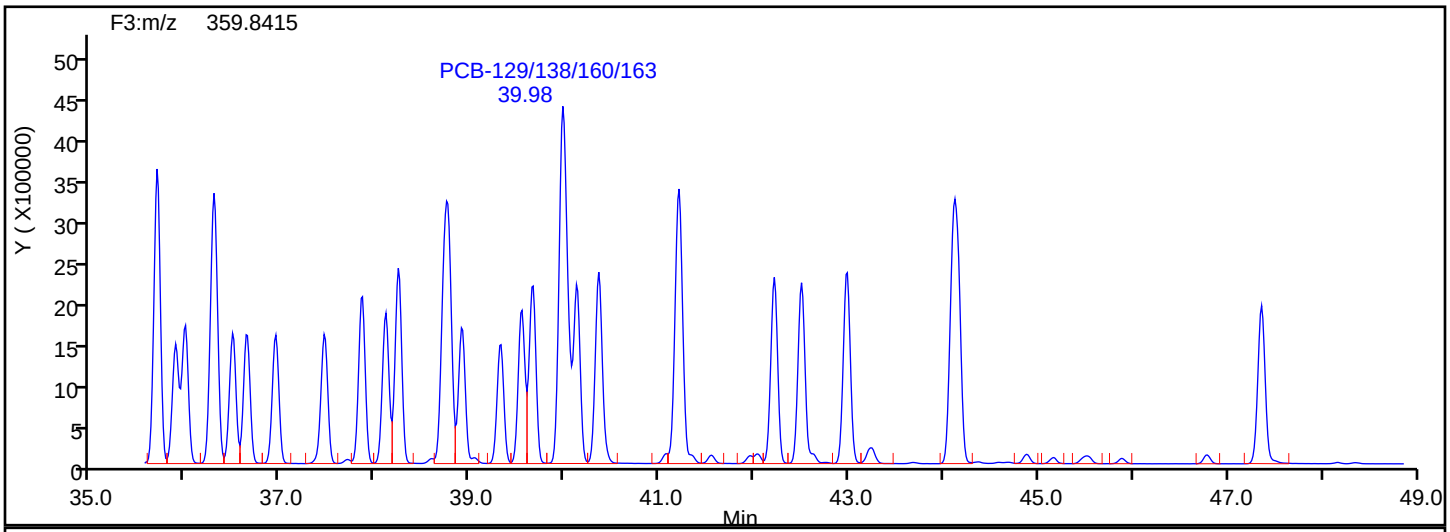
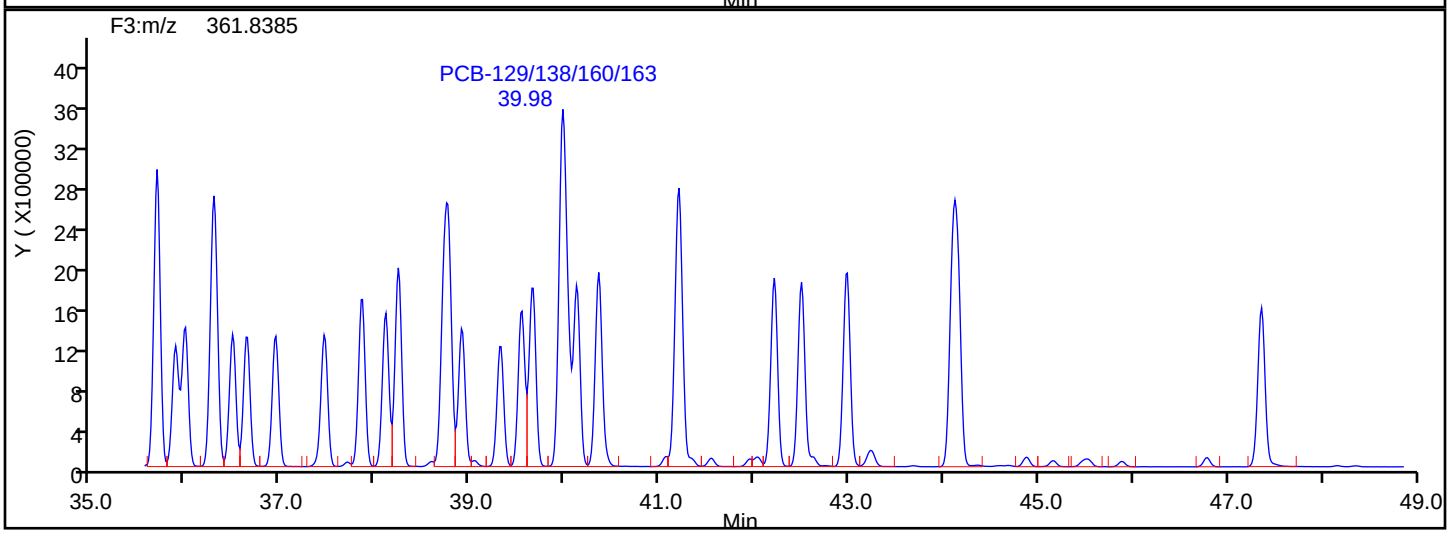
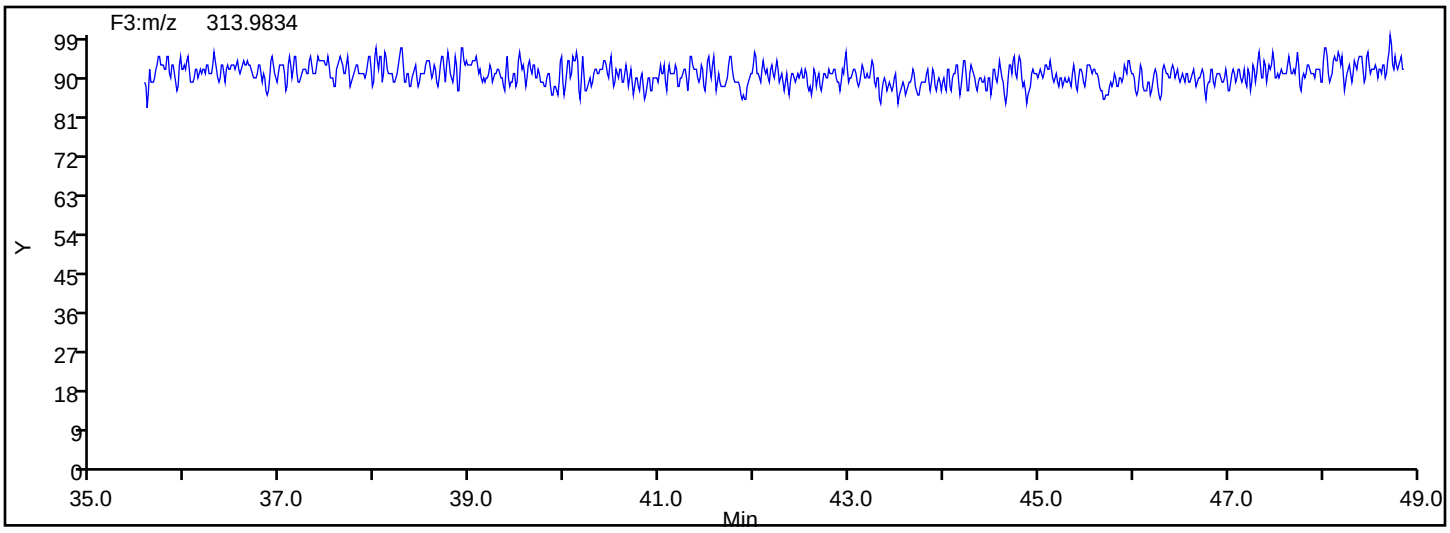
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

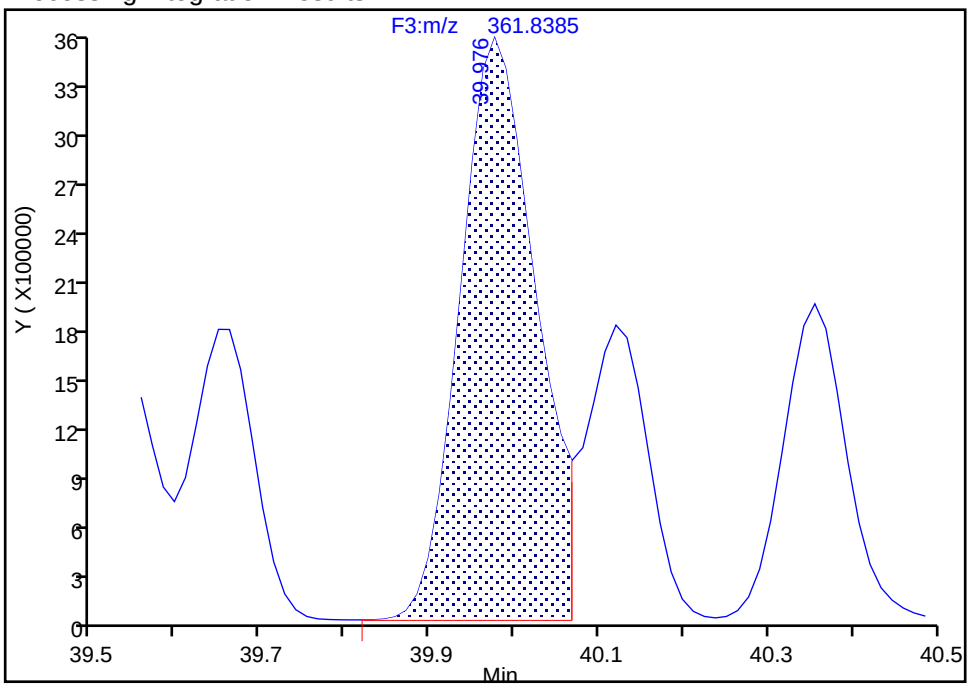
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

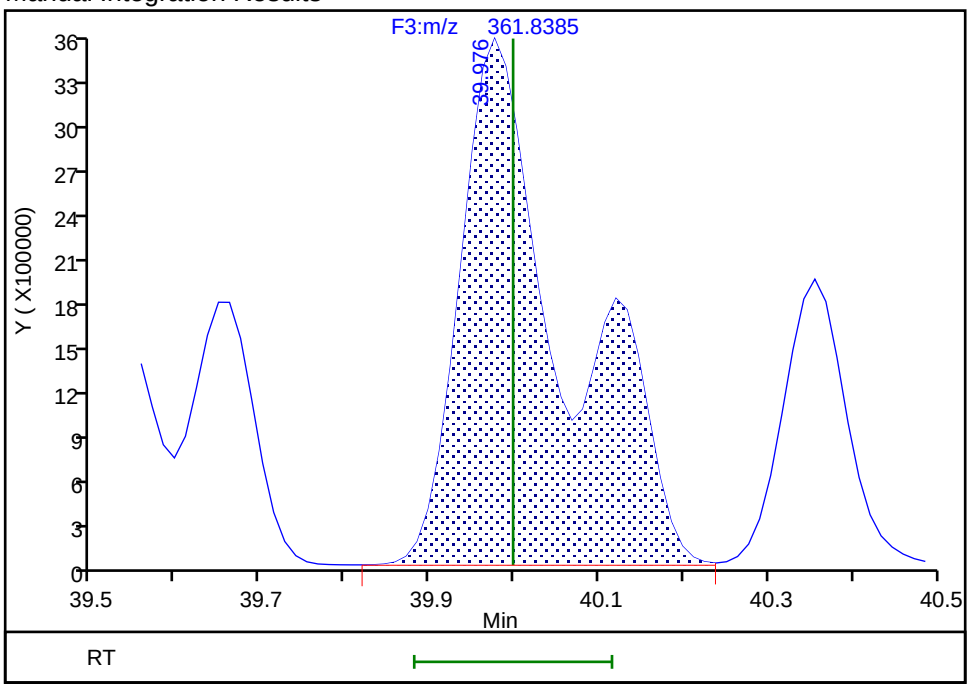
Processing Integration Results

RT: 39.98
Area: 21774437
Amount: 1236.6629
Amount Units: pg/ul




Manual Integration Results

RT: 39.98
Area: 30704354
Amount: 1430.4554
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:58:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

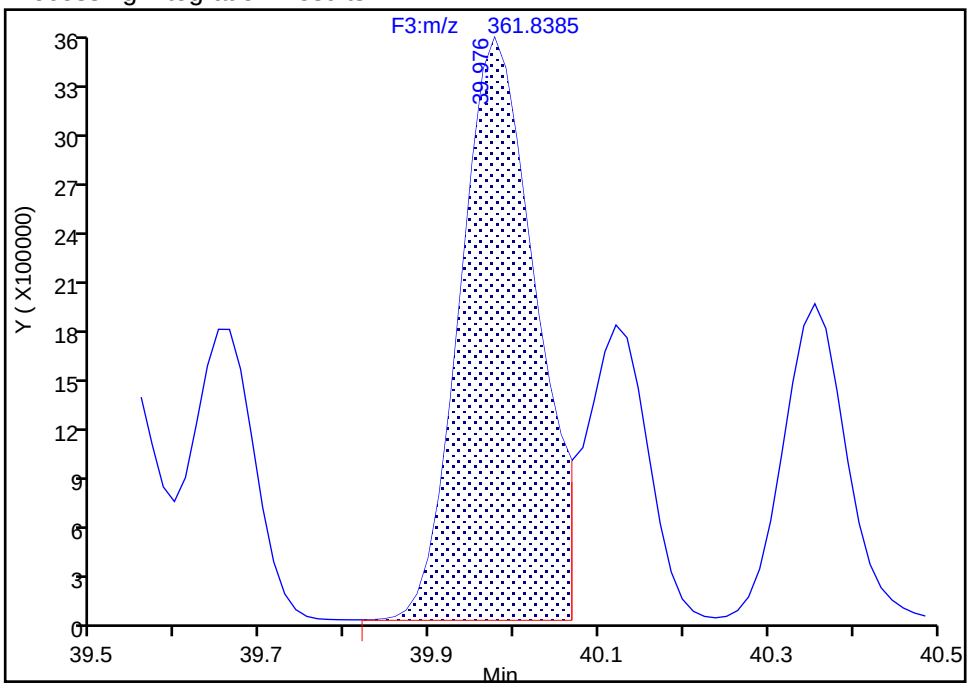
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 3

Processing Integration Results

RT: 39.98
Area: 48811467
Amount: 1236.6629
Amount Units: pg/ul




Manual Integration Results

RT: 39.98
Area: 68826005
Amount: 1430.4554
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:58:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

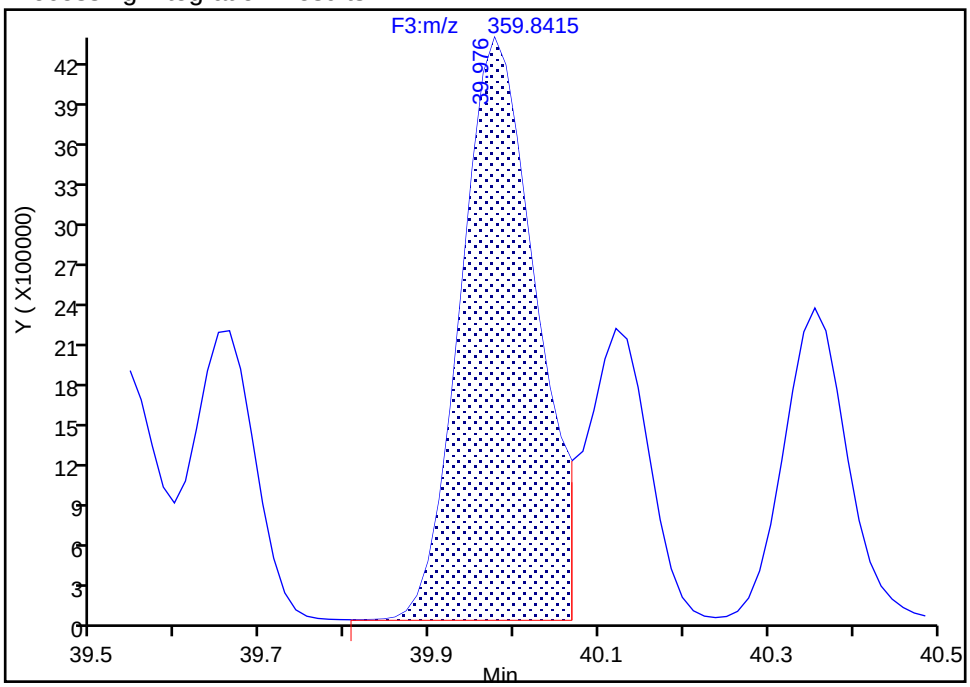
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

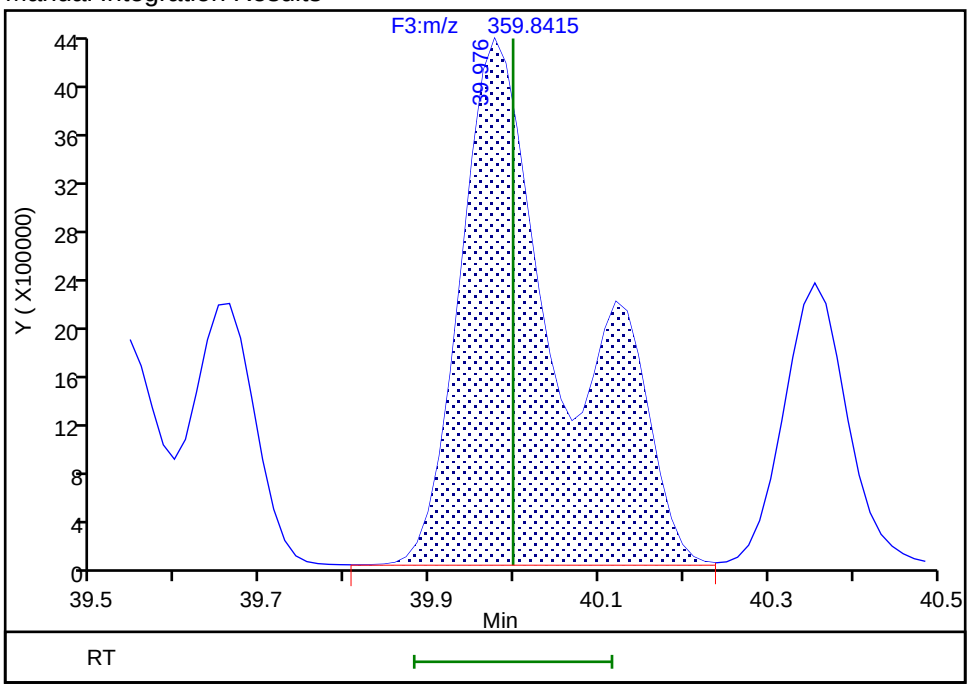
Processing Integration Results

RT: 39.98
Area: 27037030
Amount: 1236.6629
Amount Units: pg/ul




Manual Integration Results

RT: 39.98
Area: 38121651
Amount: 1430.4554
Amount Units: pg/ul



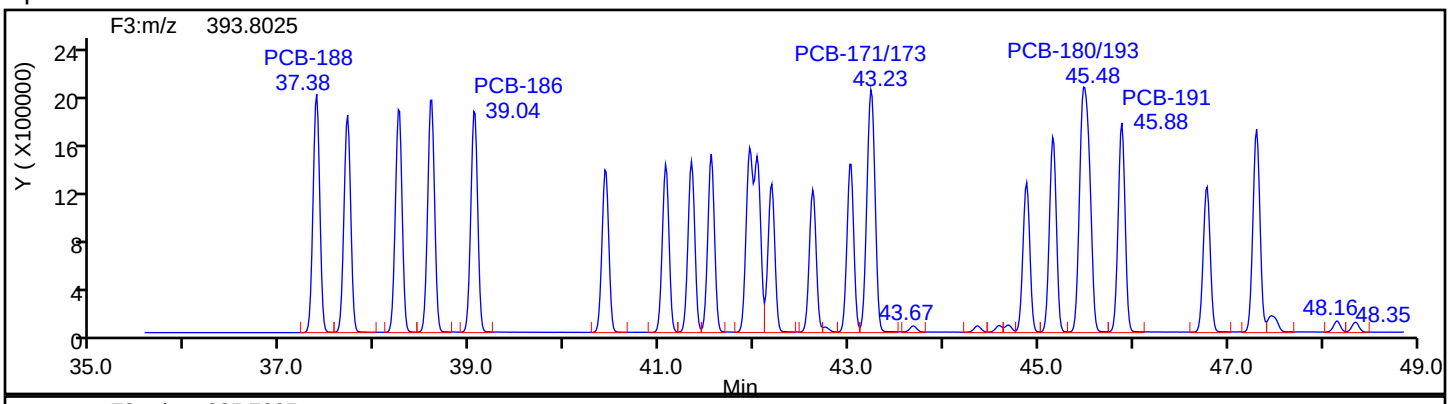

Reviewer: mcwhirterl, 21-Aug-2019 19:58:28

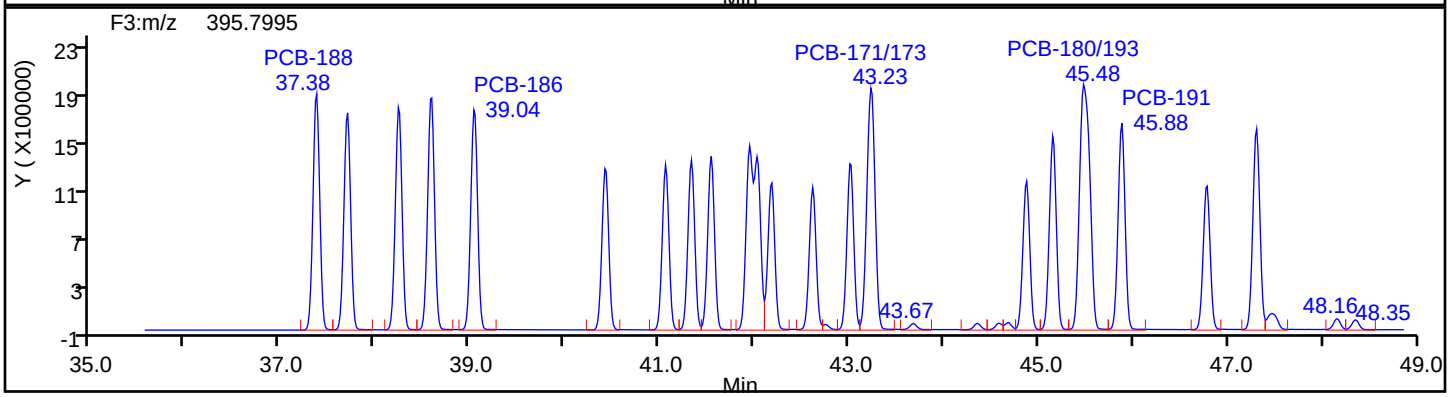
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

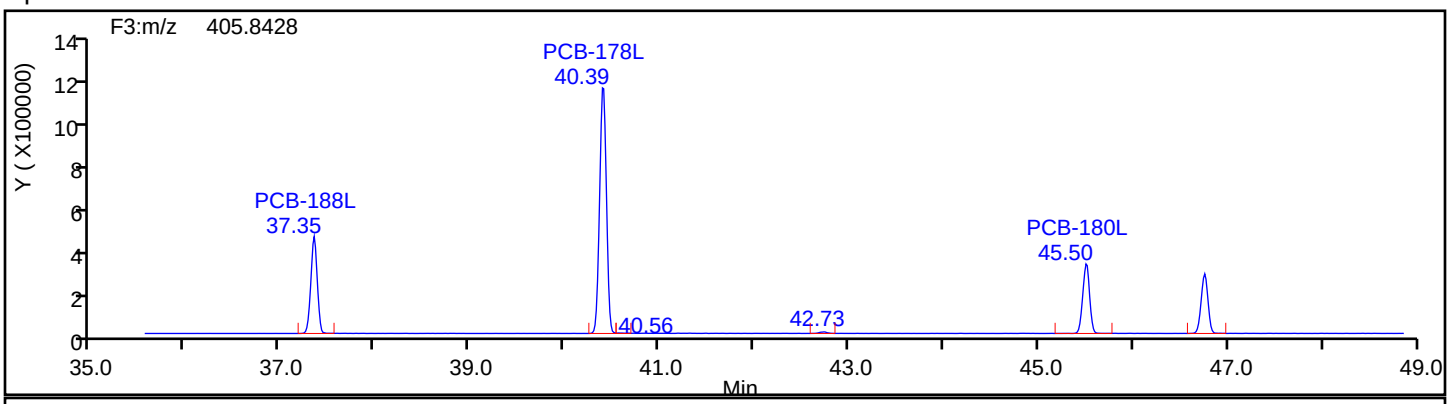
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

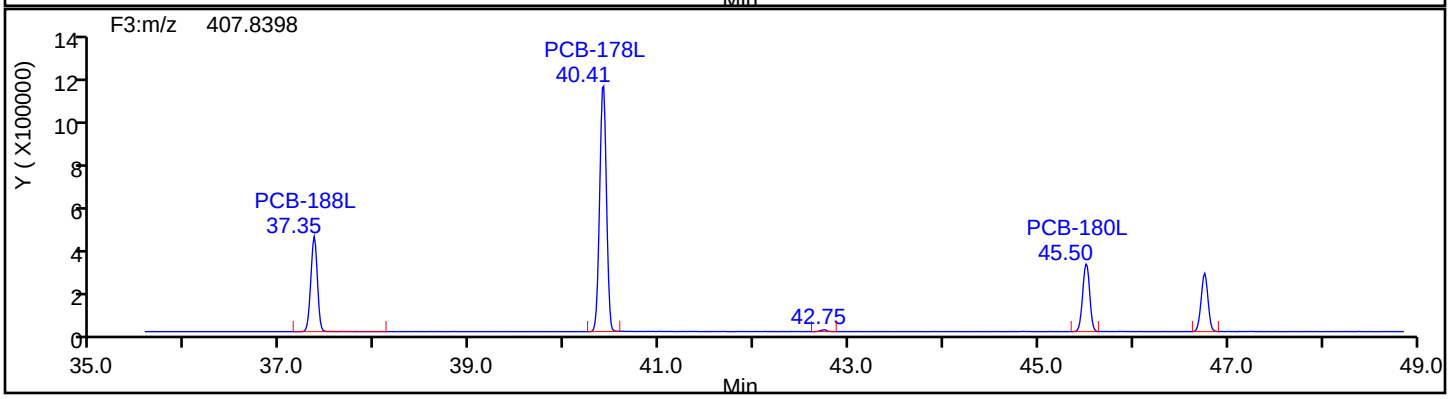
HpPCB F3




HpPCB F3 Standards

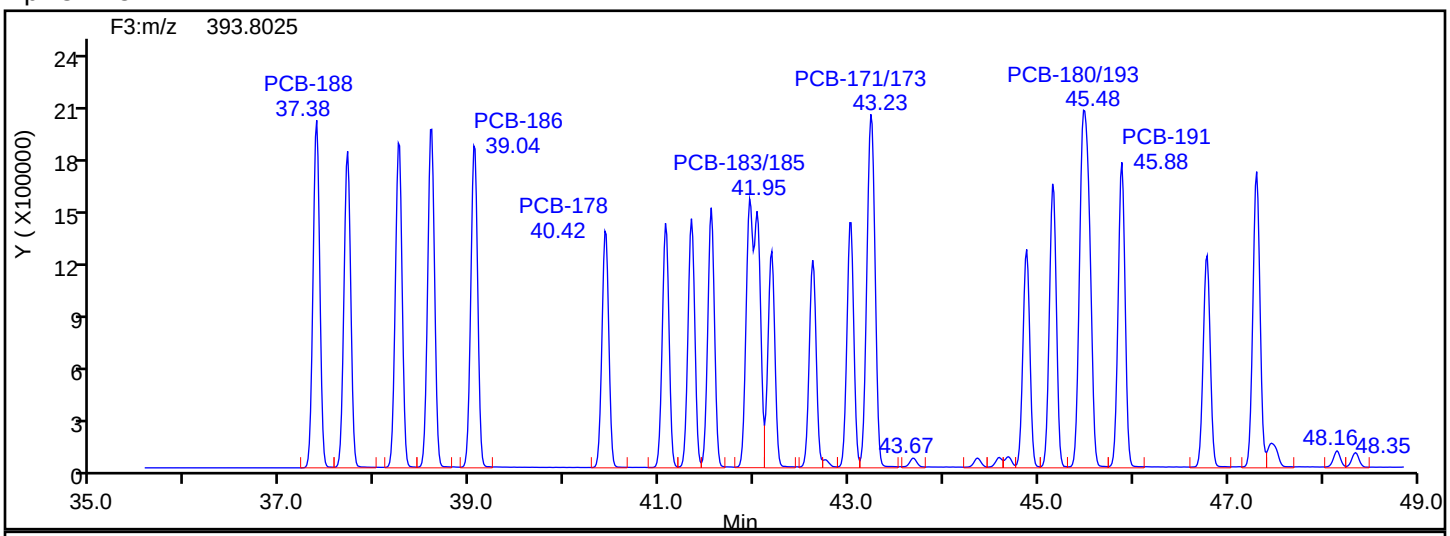


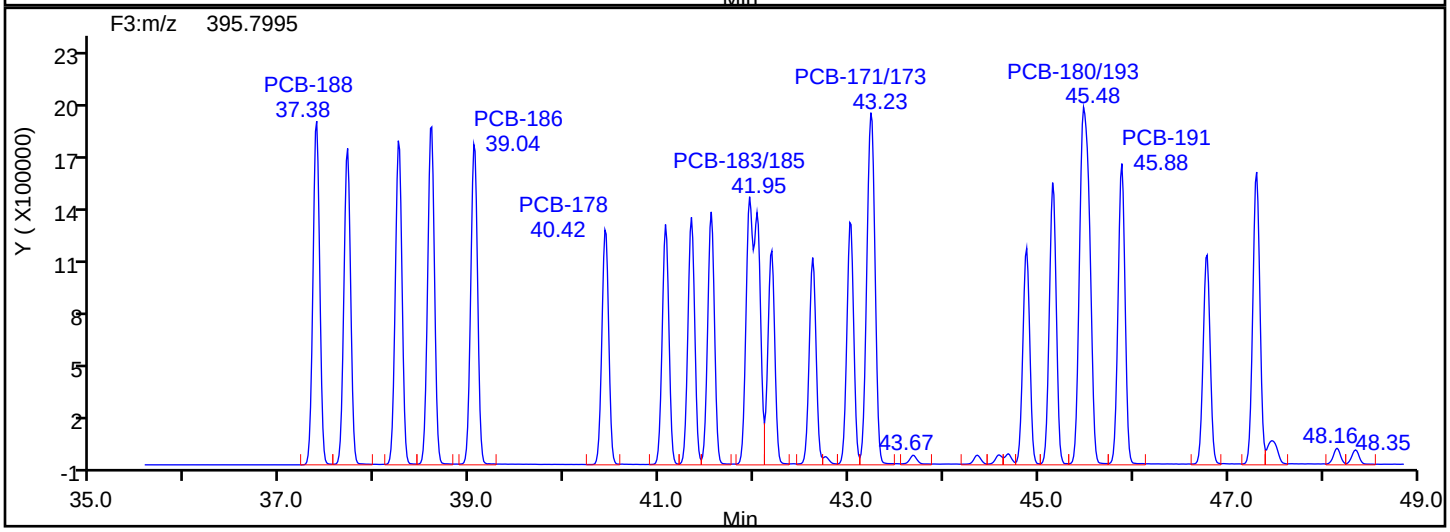



Eurofins TestAmerica, Knoxville

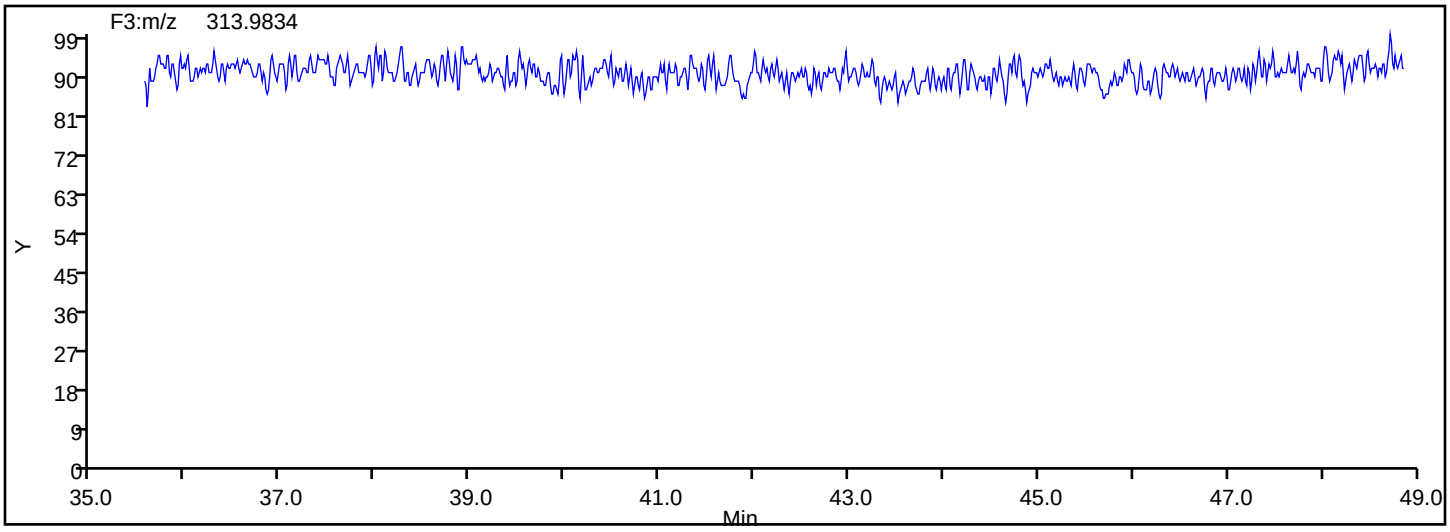
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

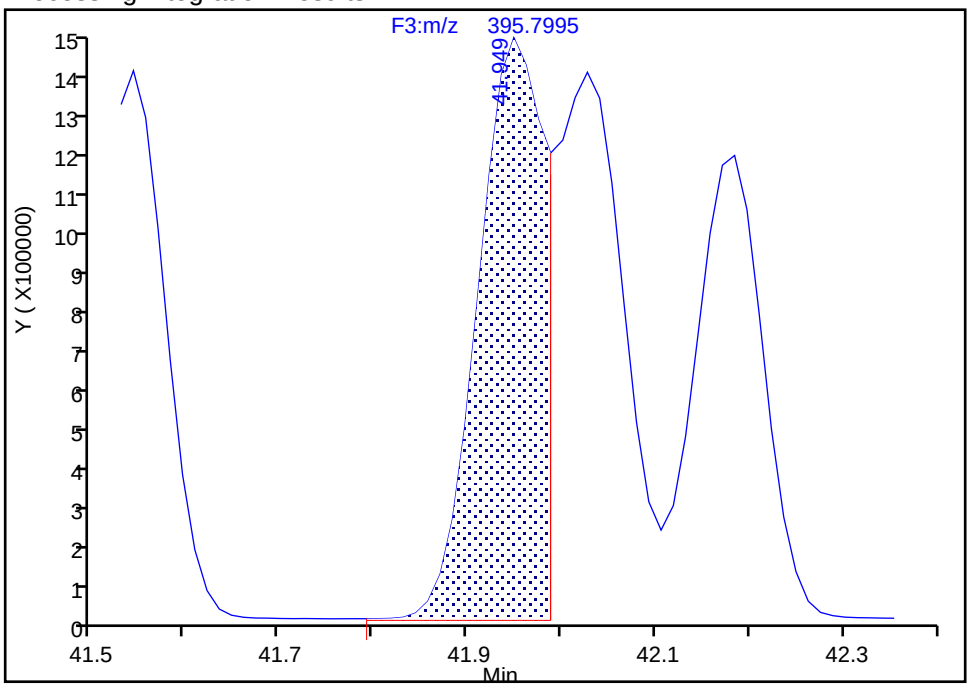
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 2

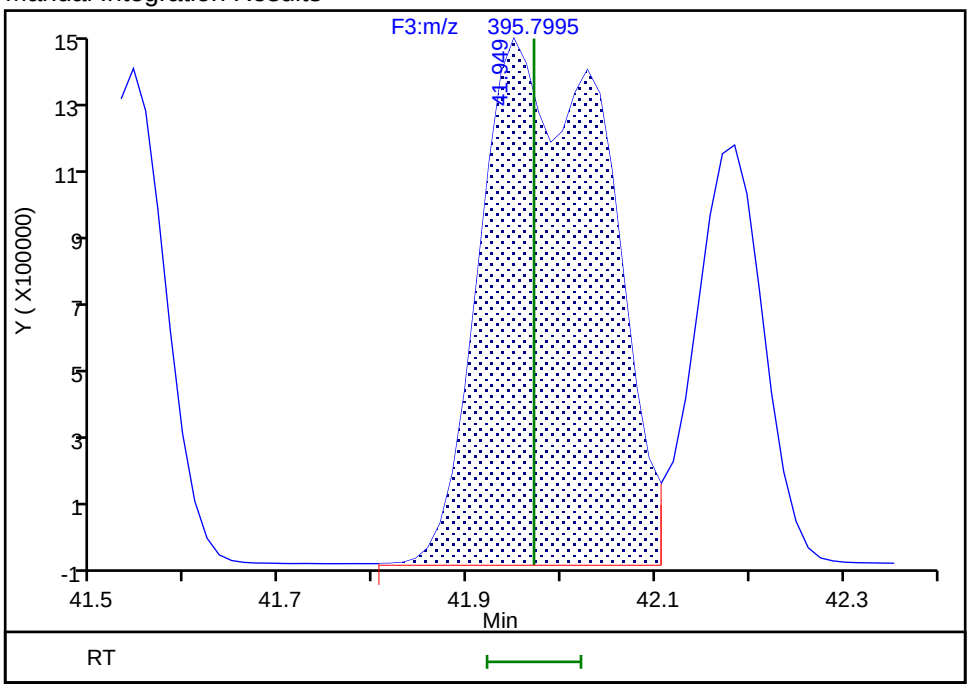
Processing Integration Results

RT: 41.95
Area: 7046419
Amount: 512.3624
Amount Units: pg/ul




Manual Integration Results

RT: 41.95
Area: 13830203
Amount: 714.5222
Amount Units: pg/ul




Reviewer: mcwhirterl, 21-Aug-2019 19:59:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

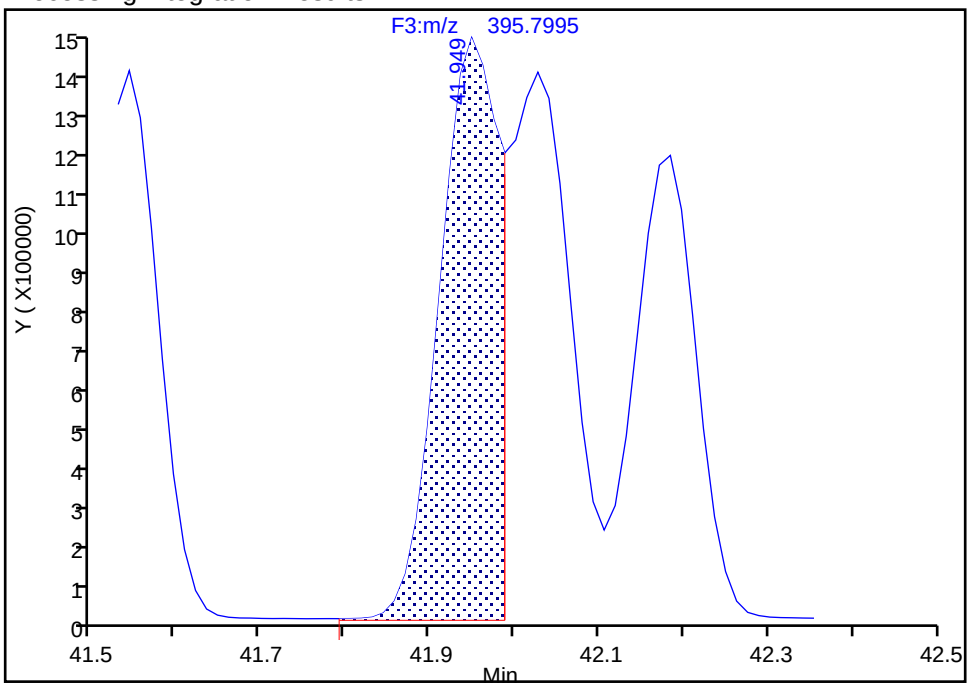
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d
Injection Date: 21-Aug-2019 18:03:00 Instrument ID: D3D
Lims ID: IC L5
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 3

Processing Integration Results

RT: 41.95
Area: 14343956
Amount: 512.3624
Amount Units: pg/ul




Manual Integration Results

RT: 41.95
Area: 28262842
Amount: 714.5222
Amount Units: pg/ul
Reviewer: mcwhirterl, 21-Aug-2019 19:59:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

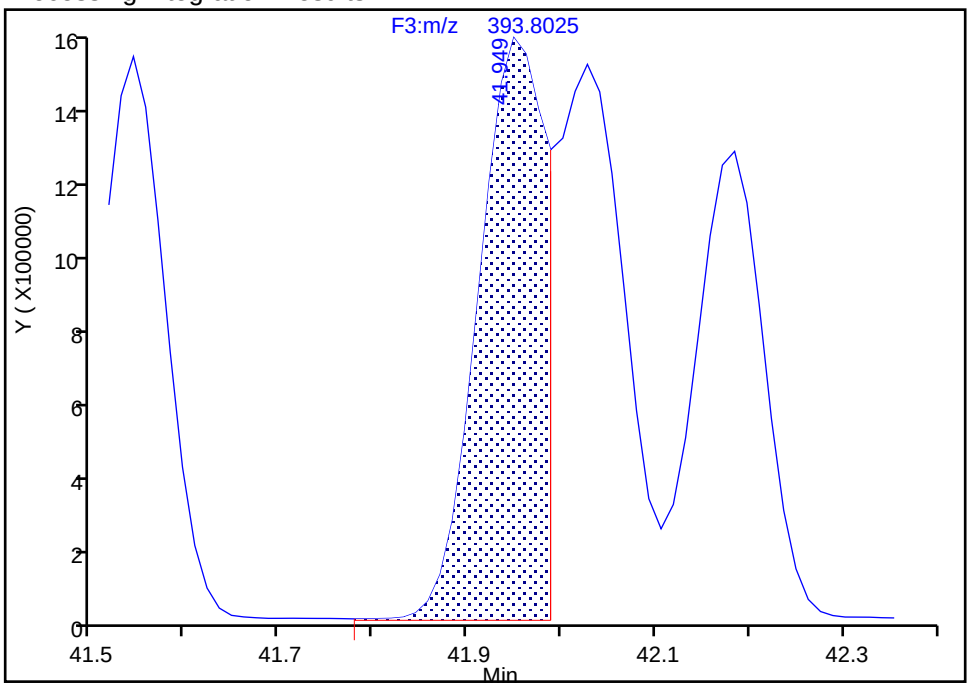
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L5 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 5 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

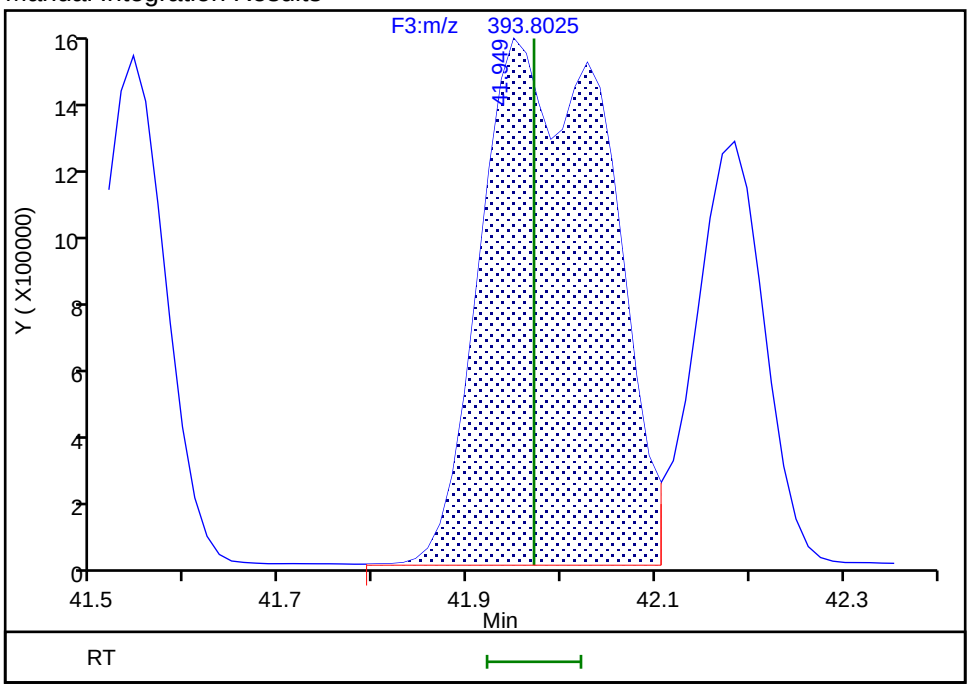
Processing Integration Results

RT: 41.95
Area: 7297537
Amount: 512.3624
Amount Units: pg/ul




Manual Integration Results

RT: 41.95
Area: 14432639
Amount: 714.5222
Amount Units: pg/ul



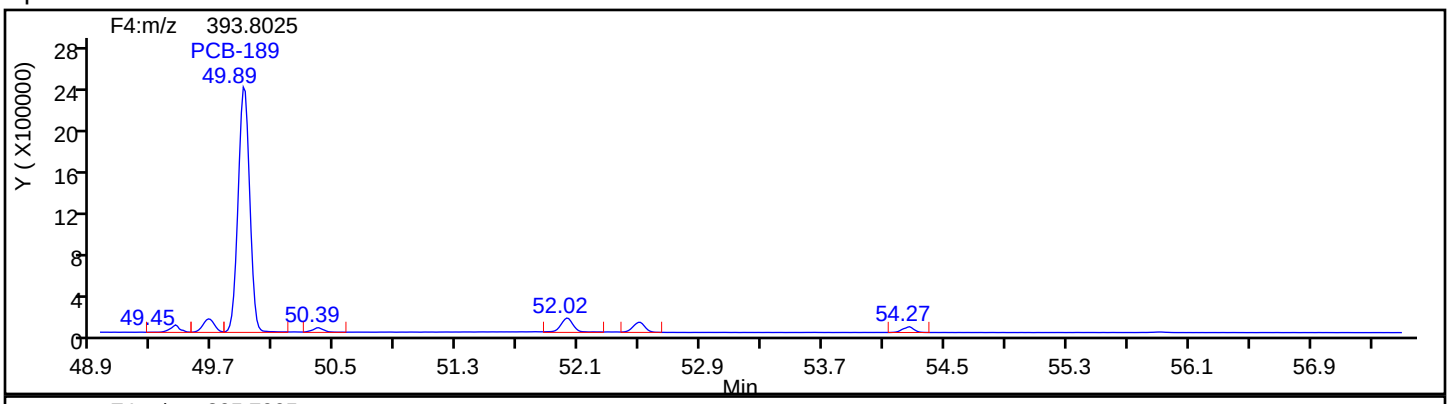

Reviewer: mcwhirterl, 21-Aug-2019 19:59:05

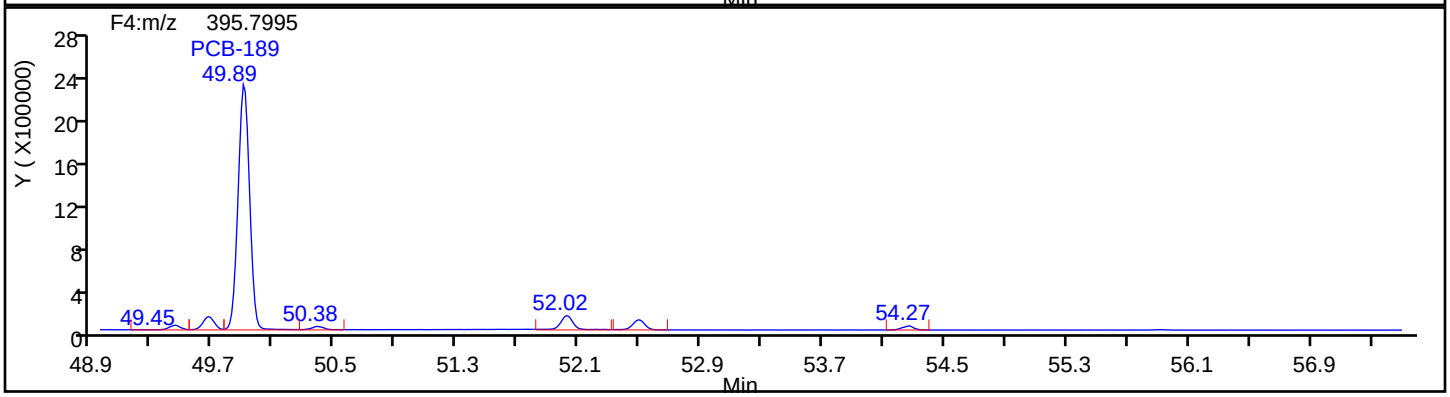
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

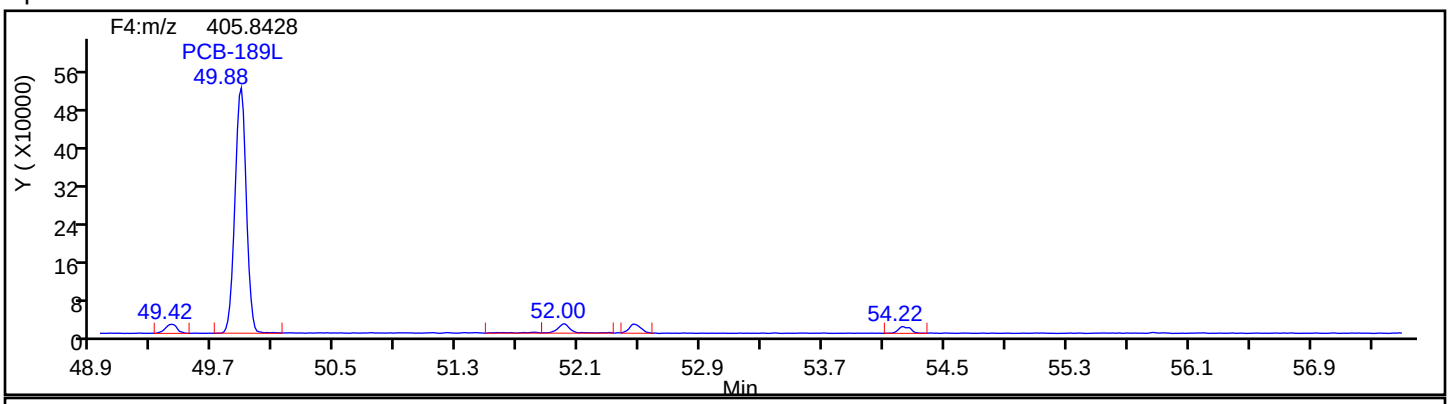
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

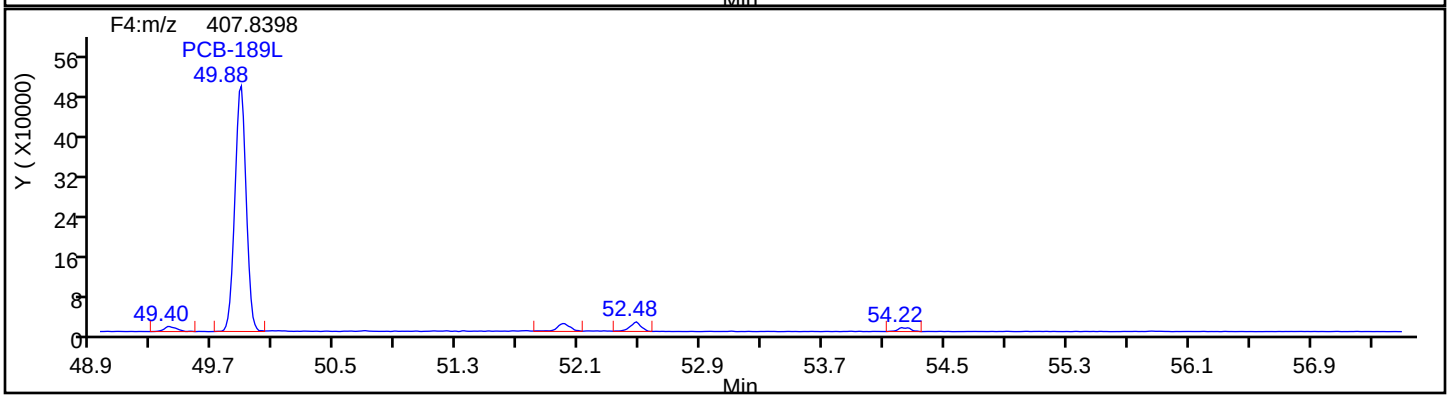
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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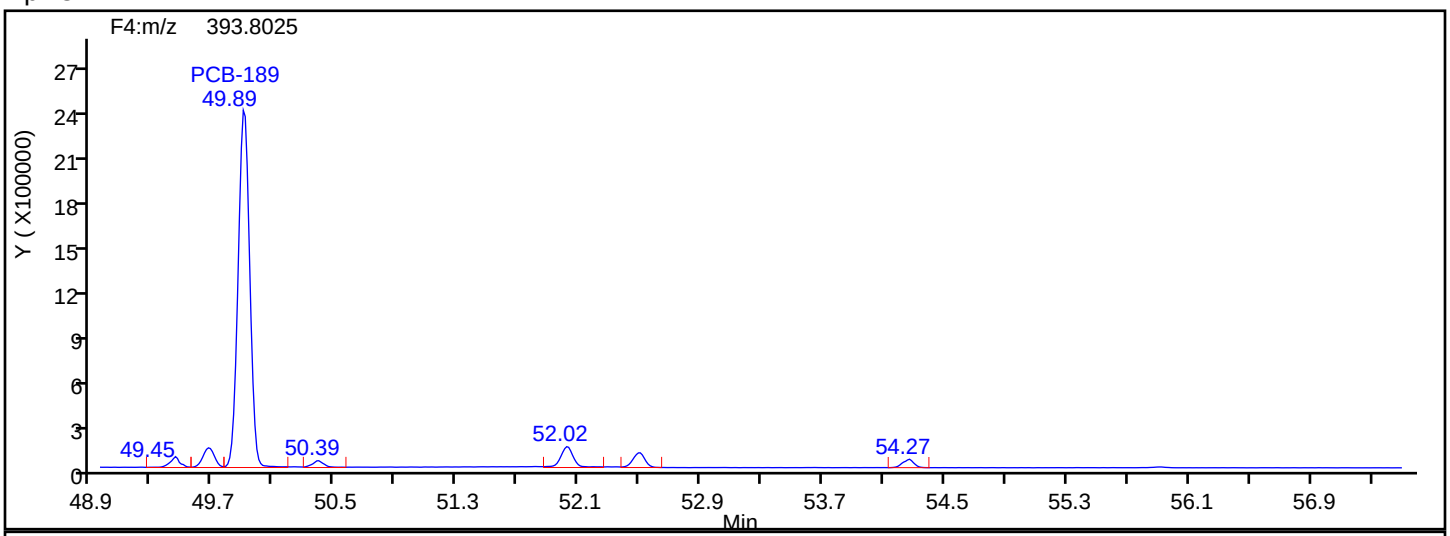
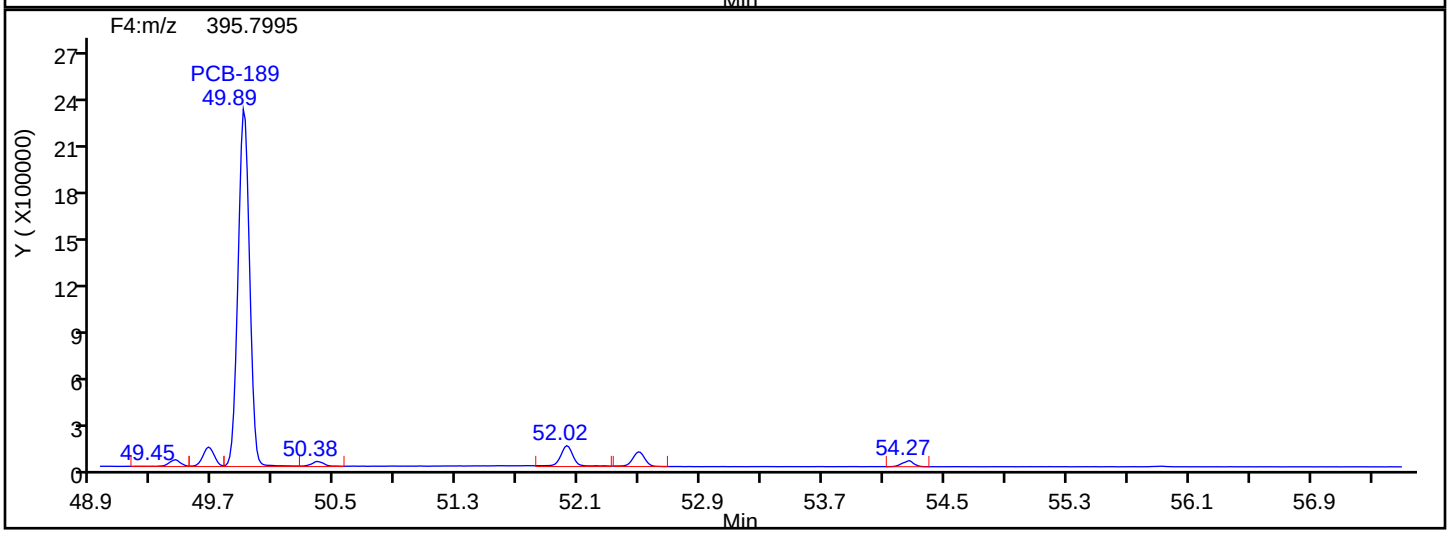
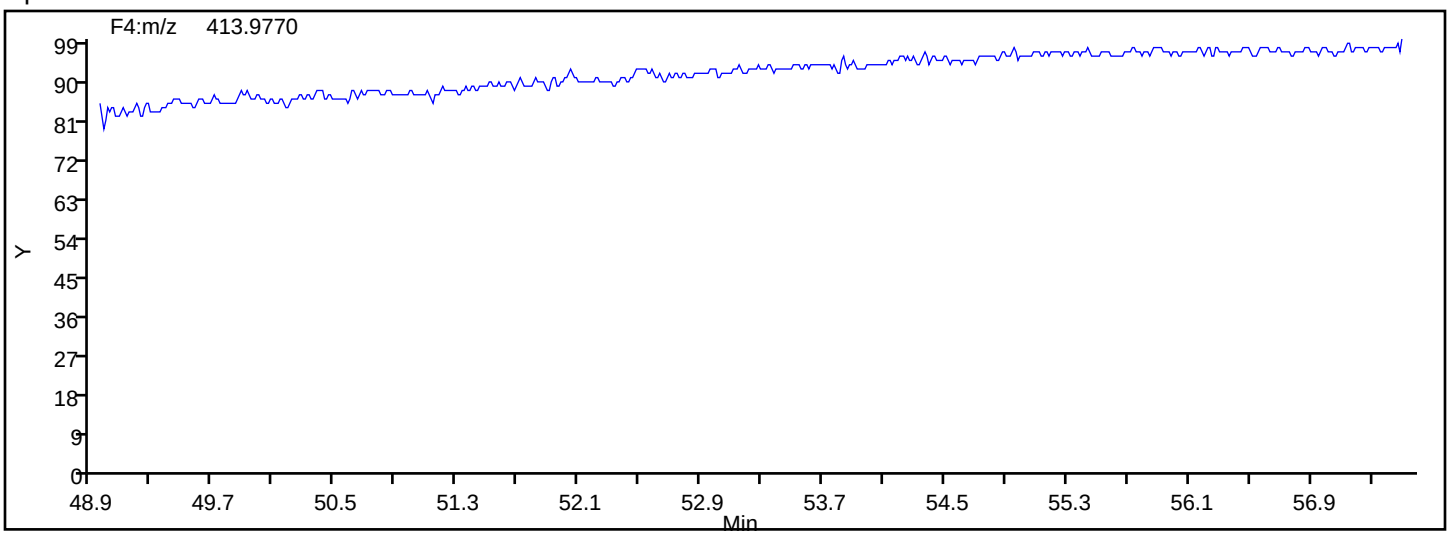
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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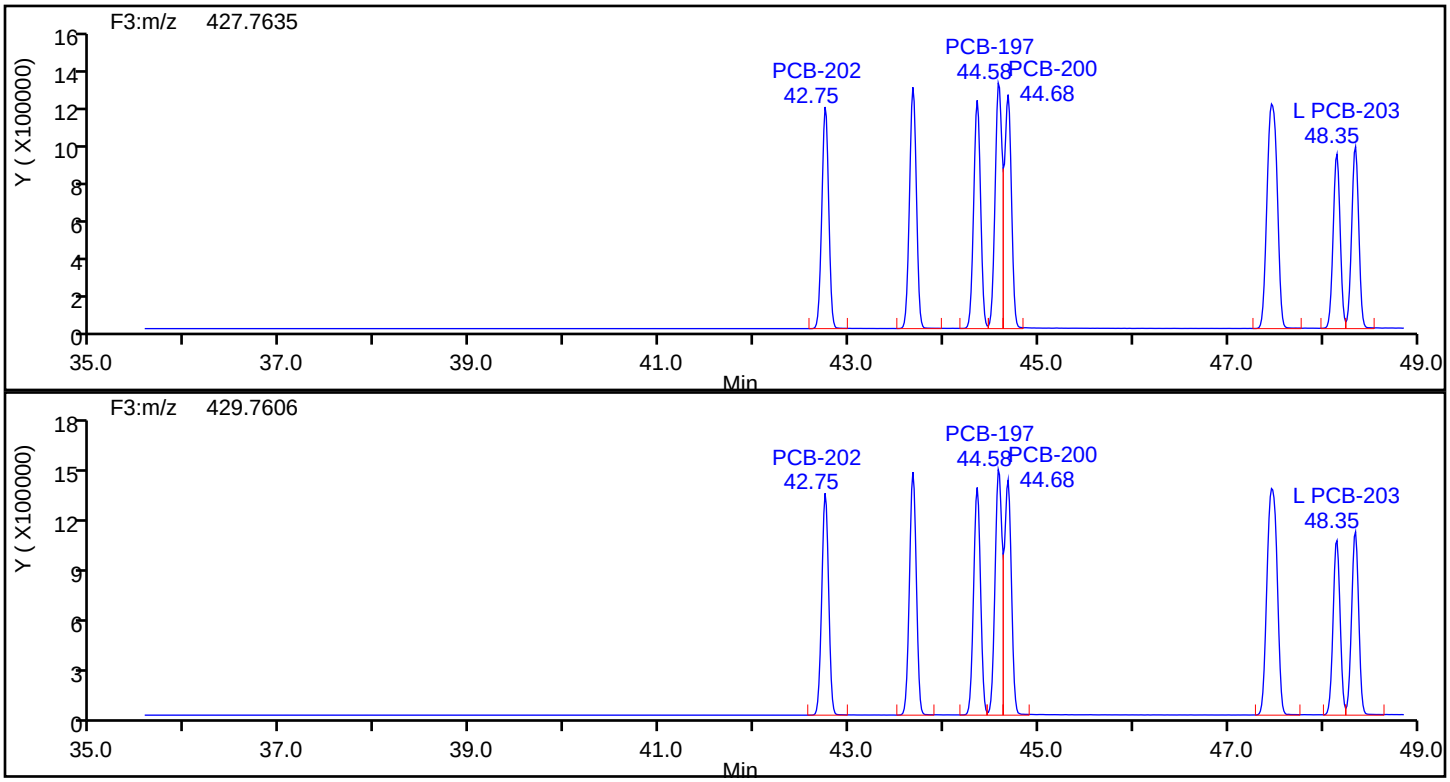
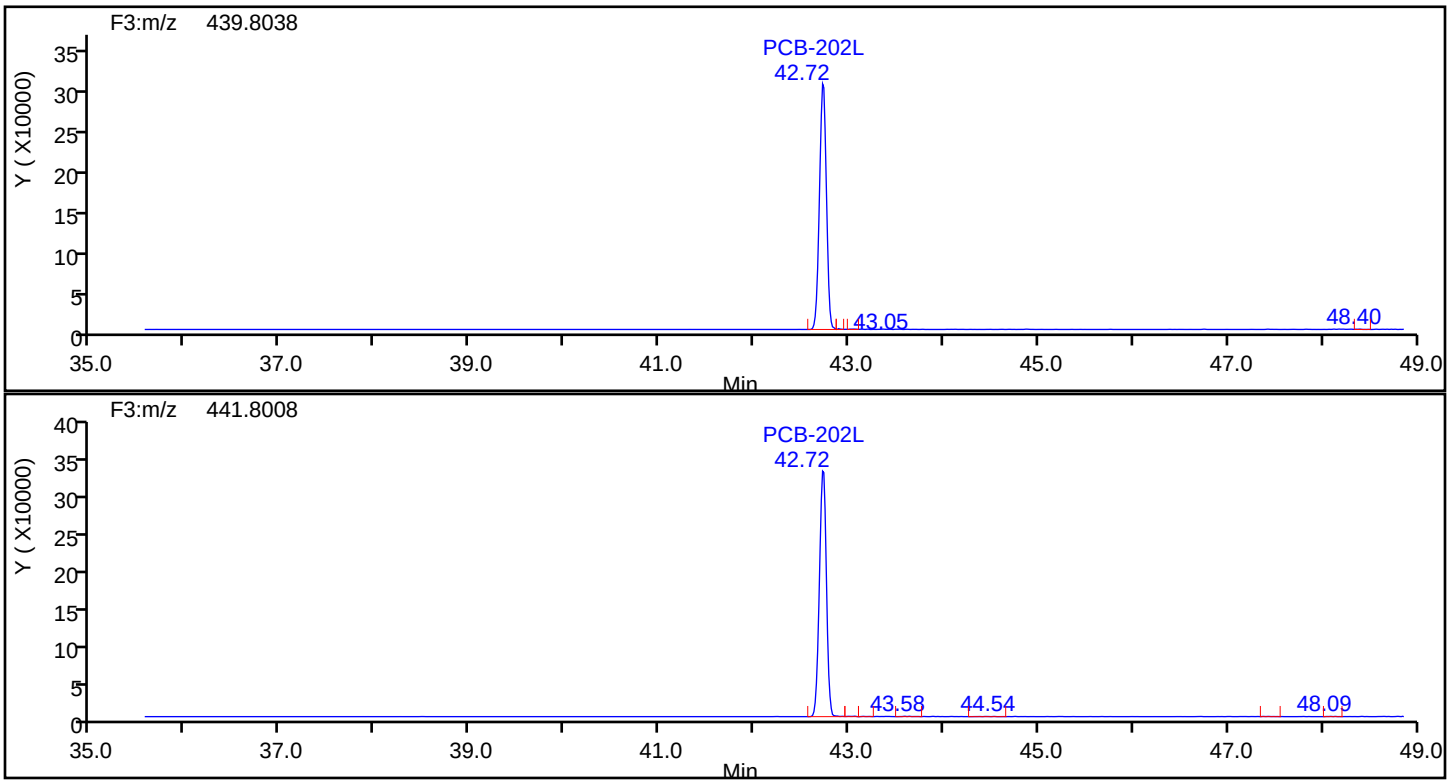
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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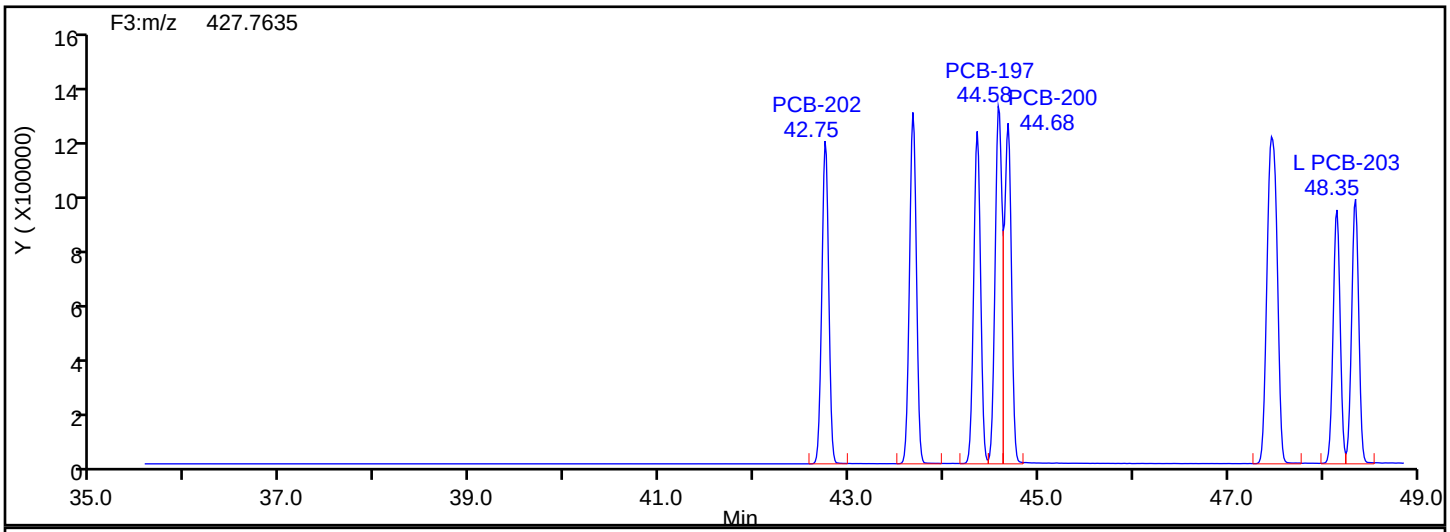
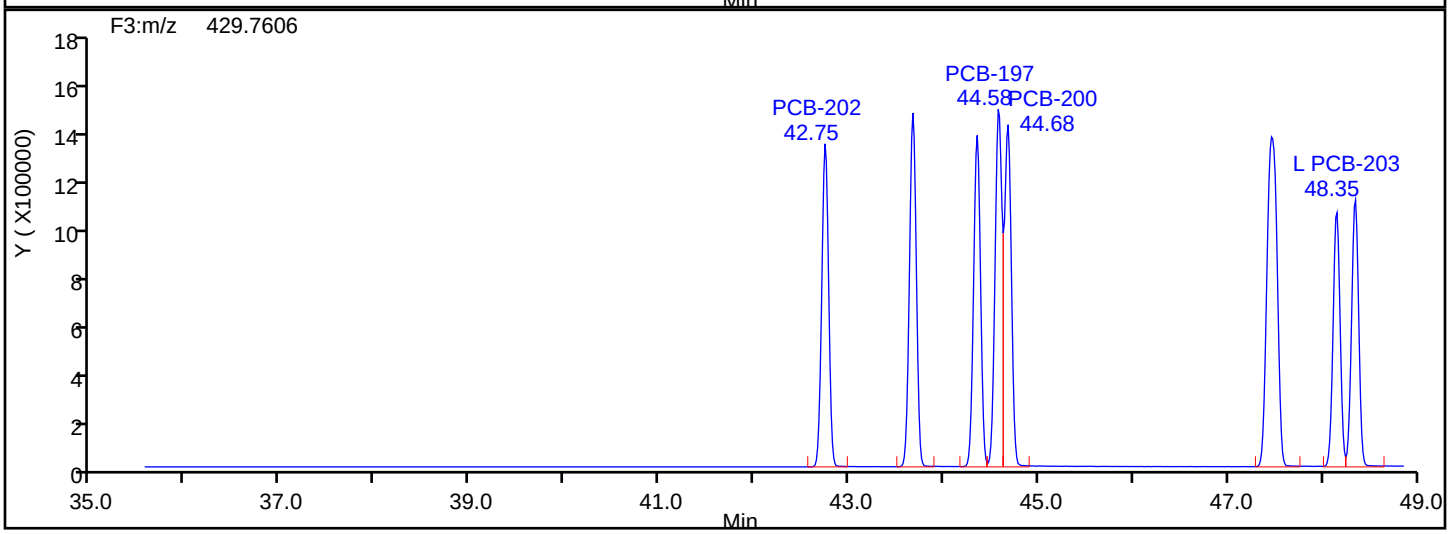
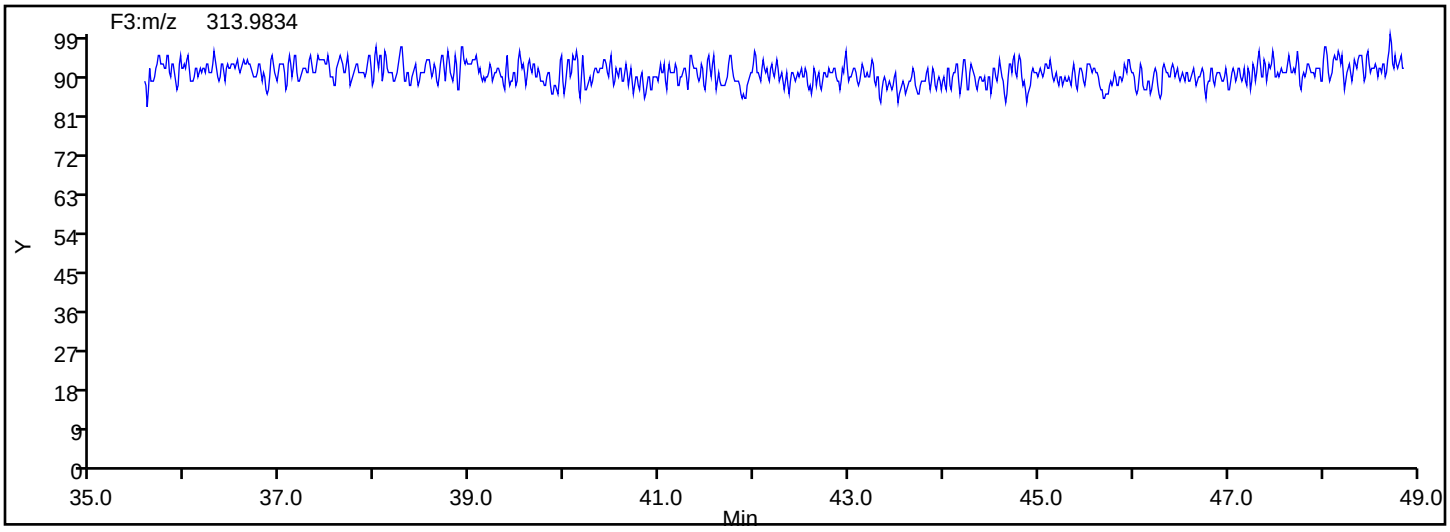
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



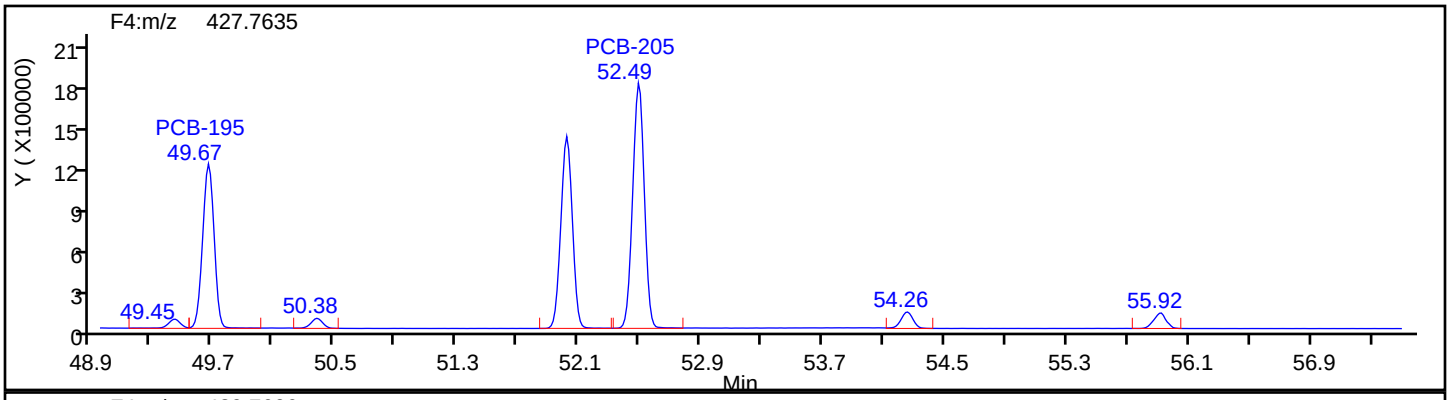

OcPCB F3 Lock Mass

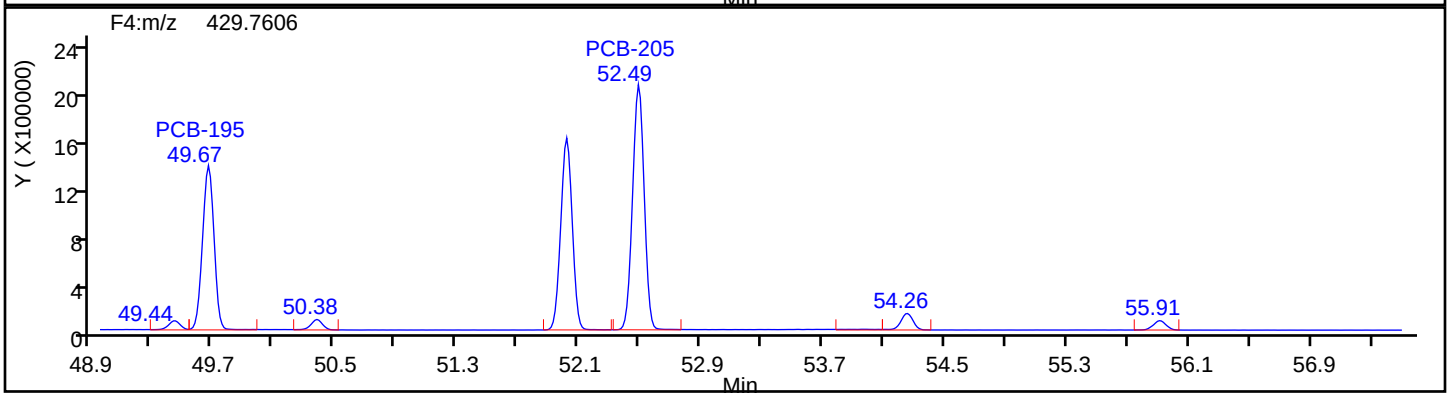


Eurofins TestAmerica, Knoxville

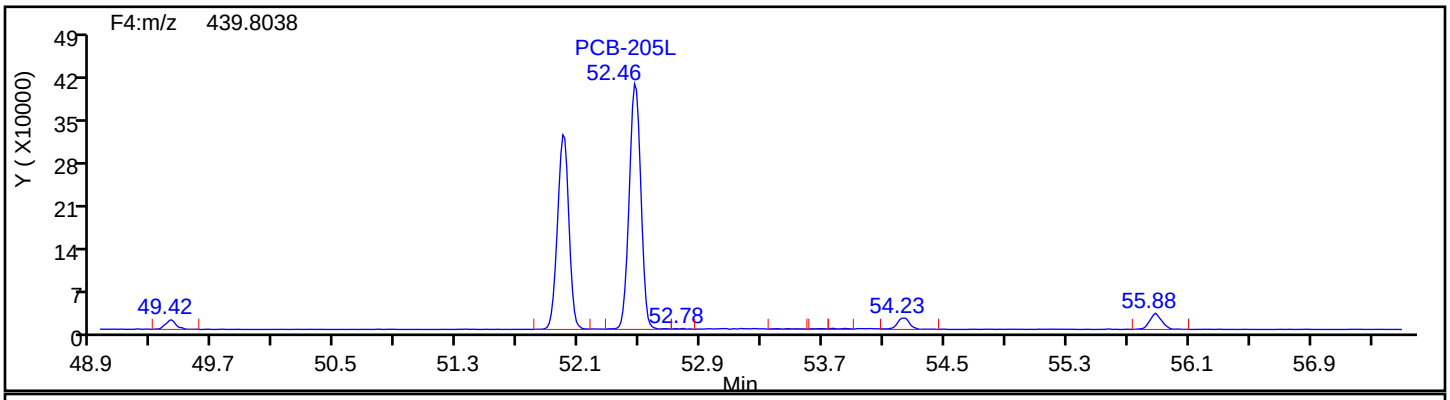
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

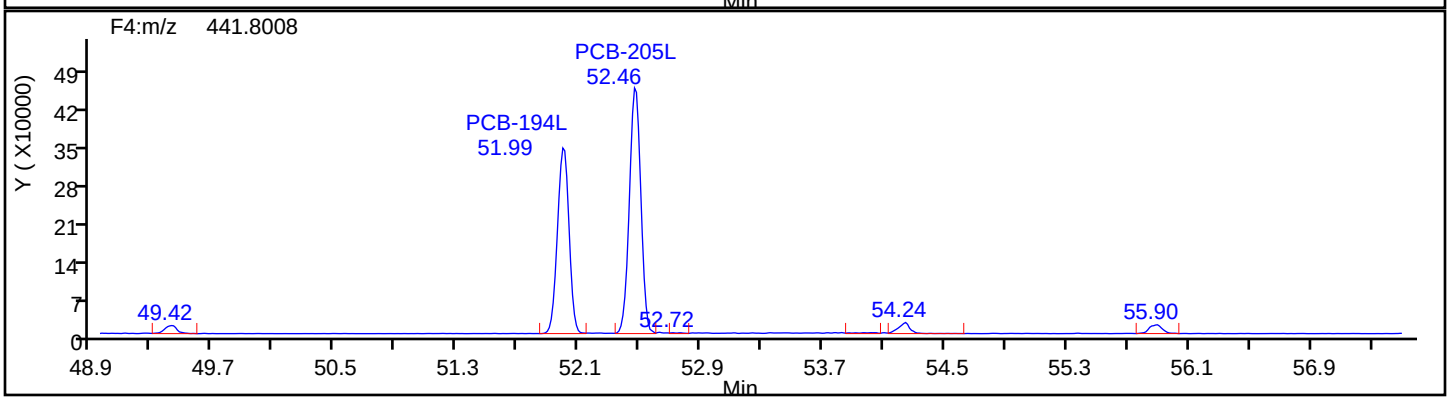
OcPCB F4




OcPCB F4 Standards

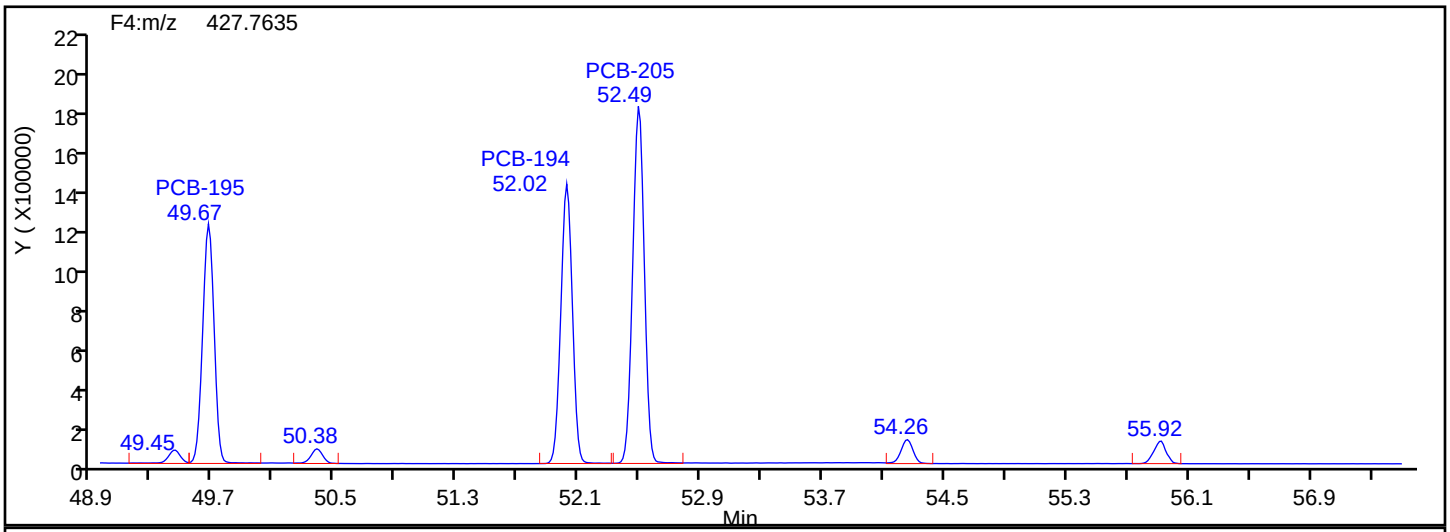


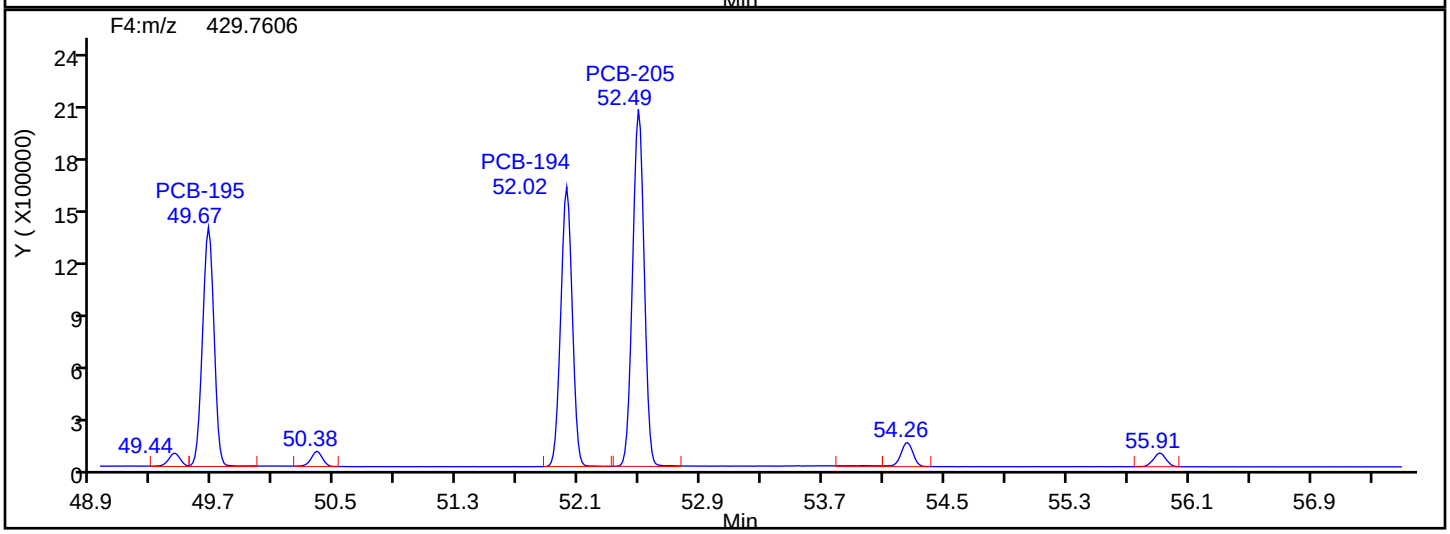



Eurofins TestAmerica, Knoxville

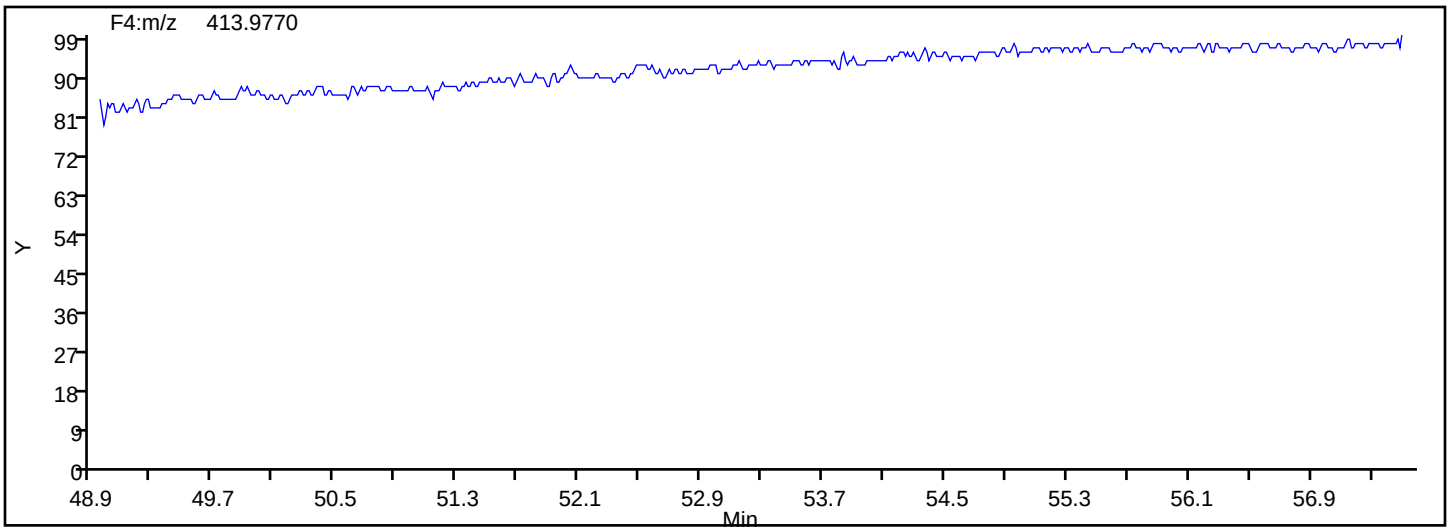
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i5.d | | |
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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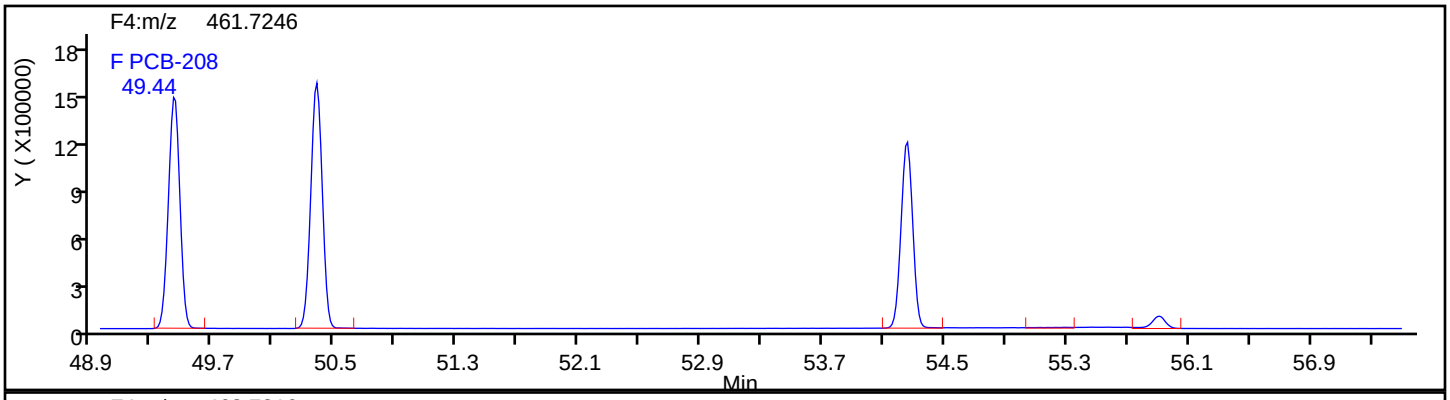
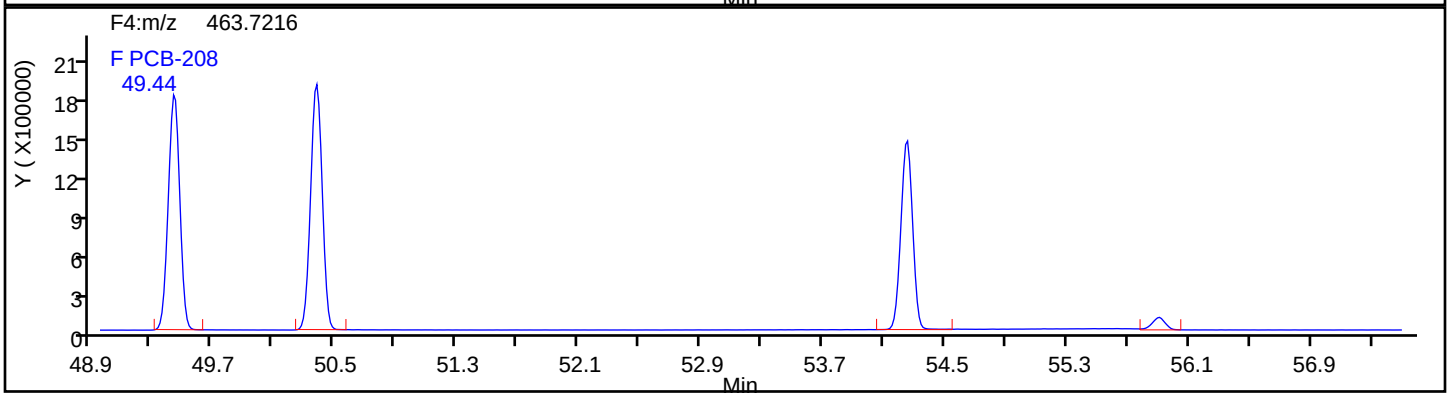
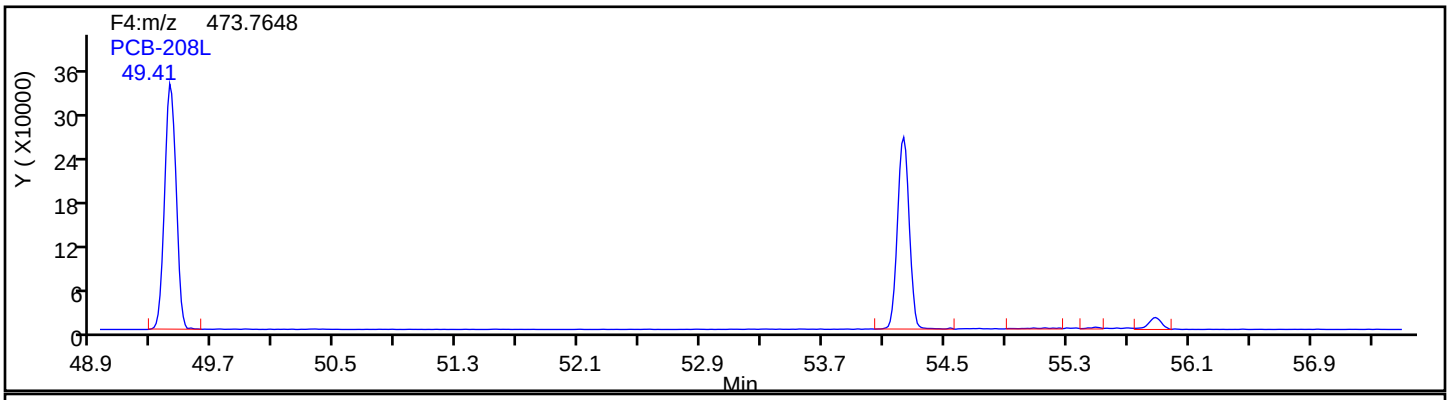
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

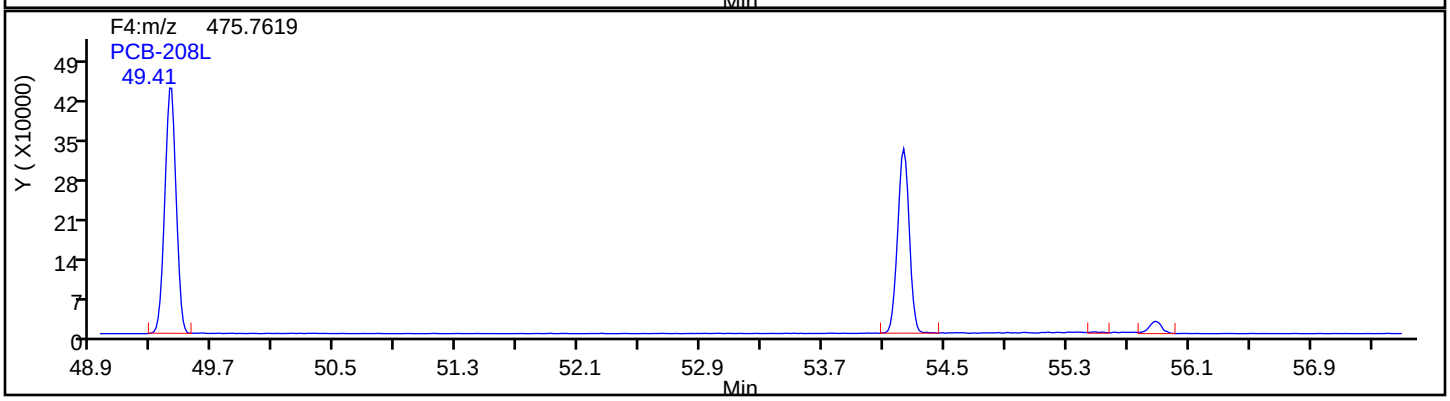
NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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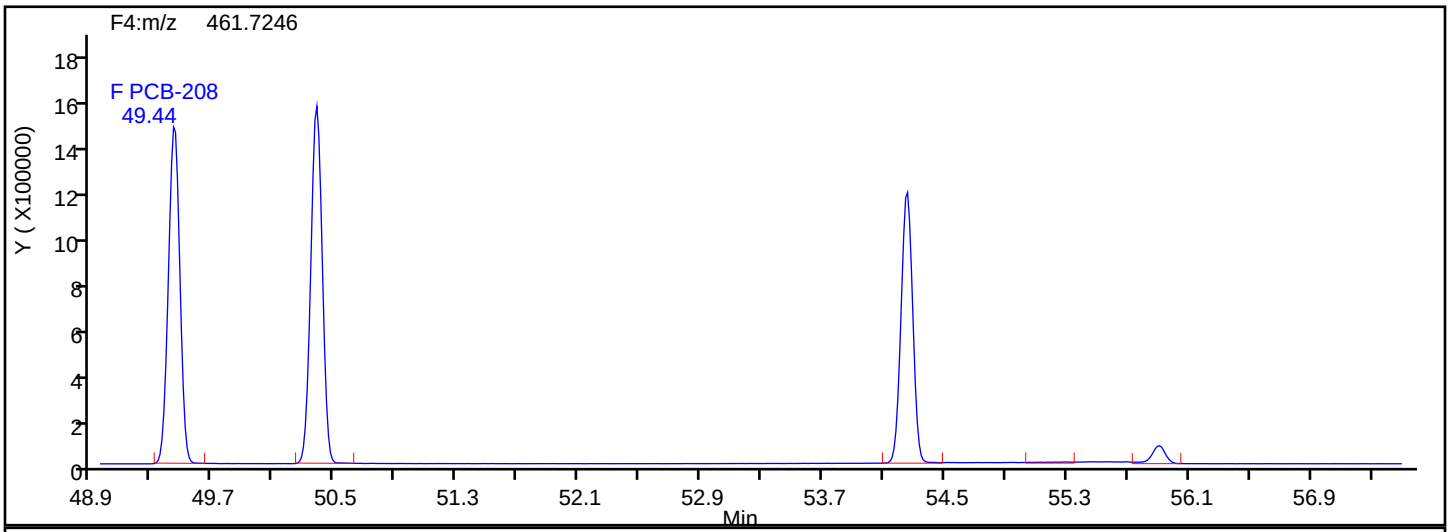
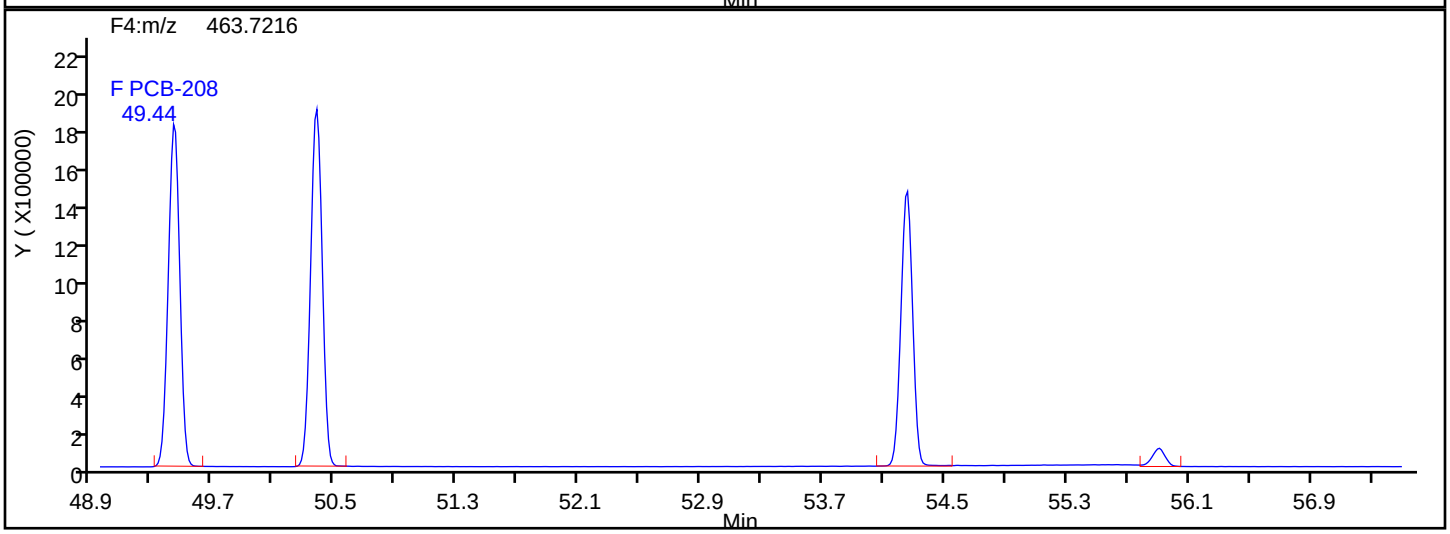
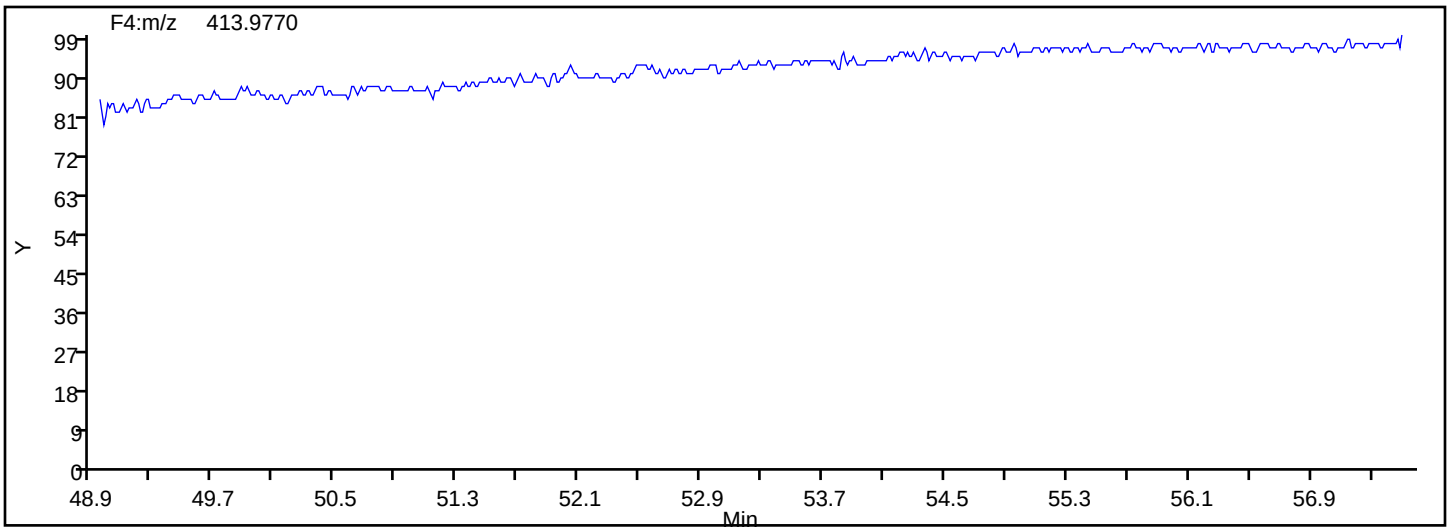
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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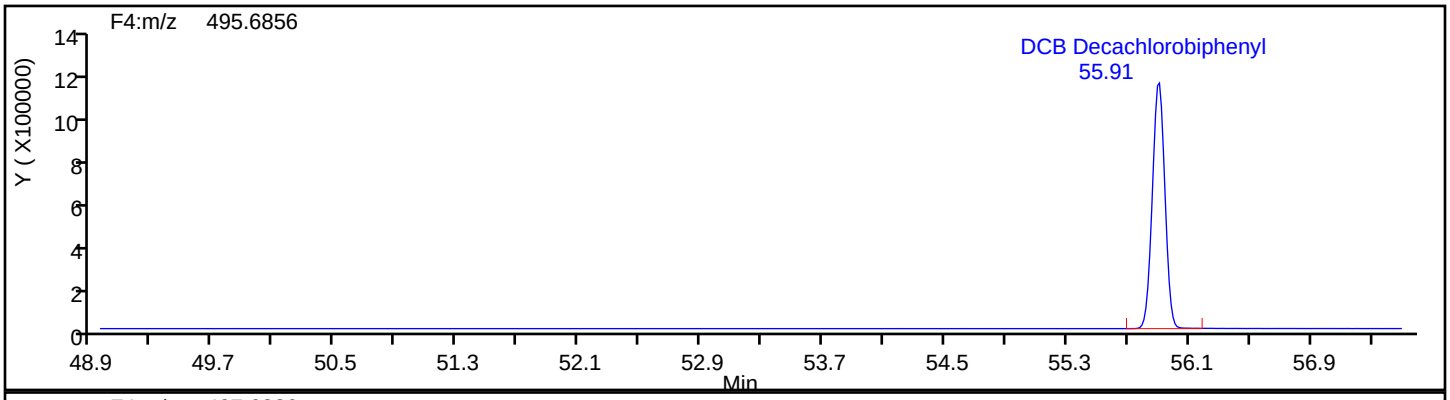
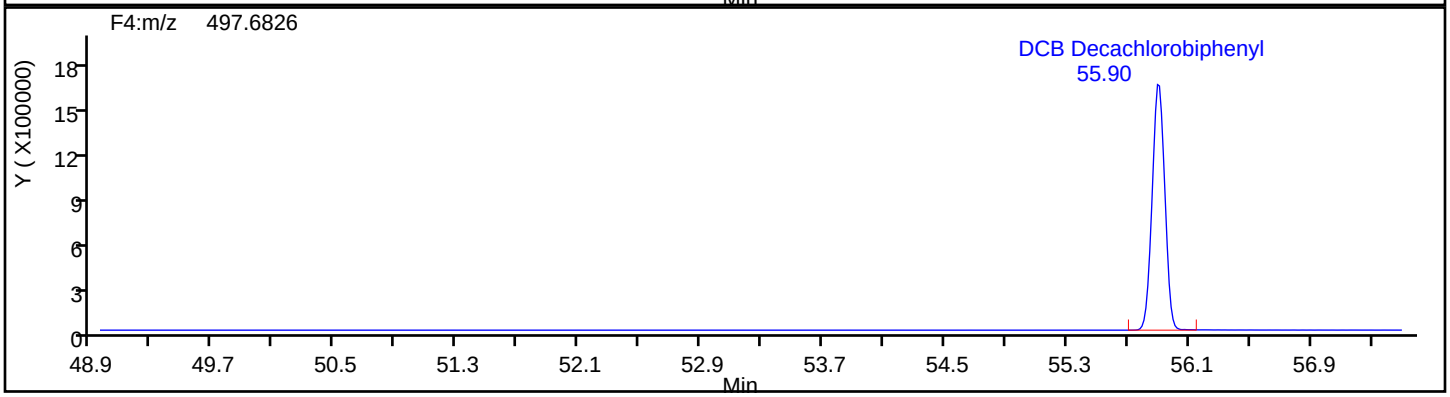
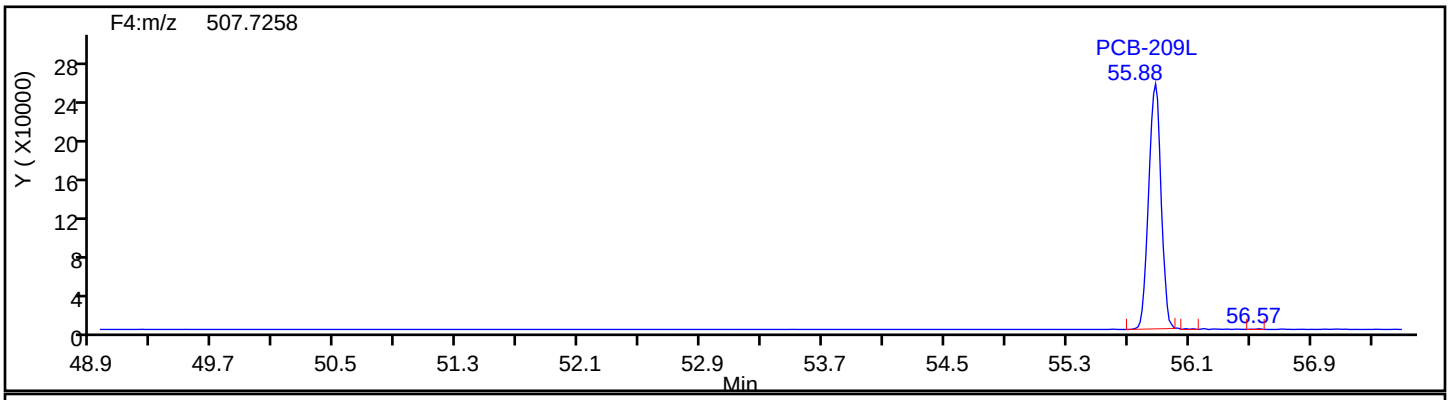
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

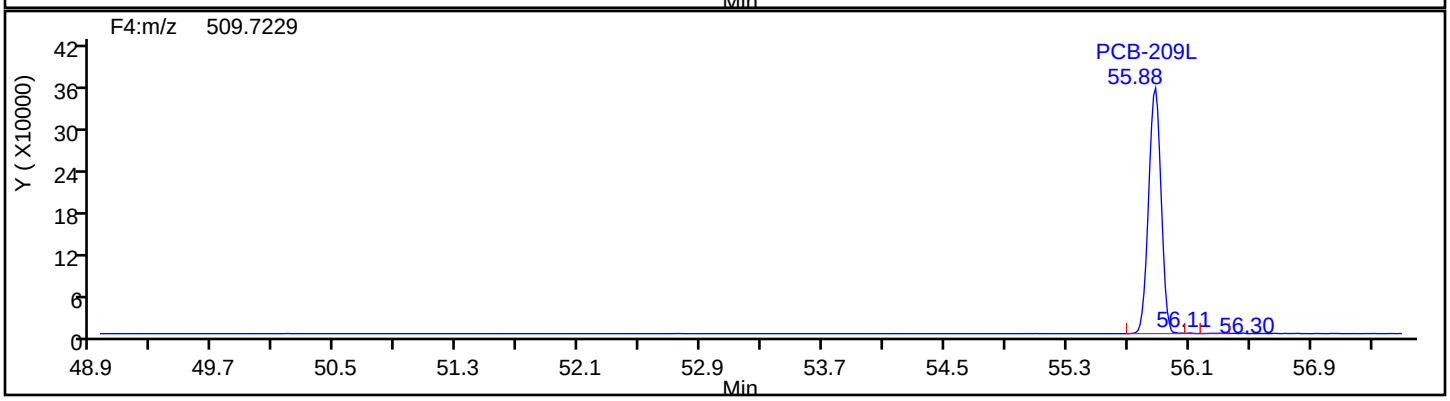
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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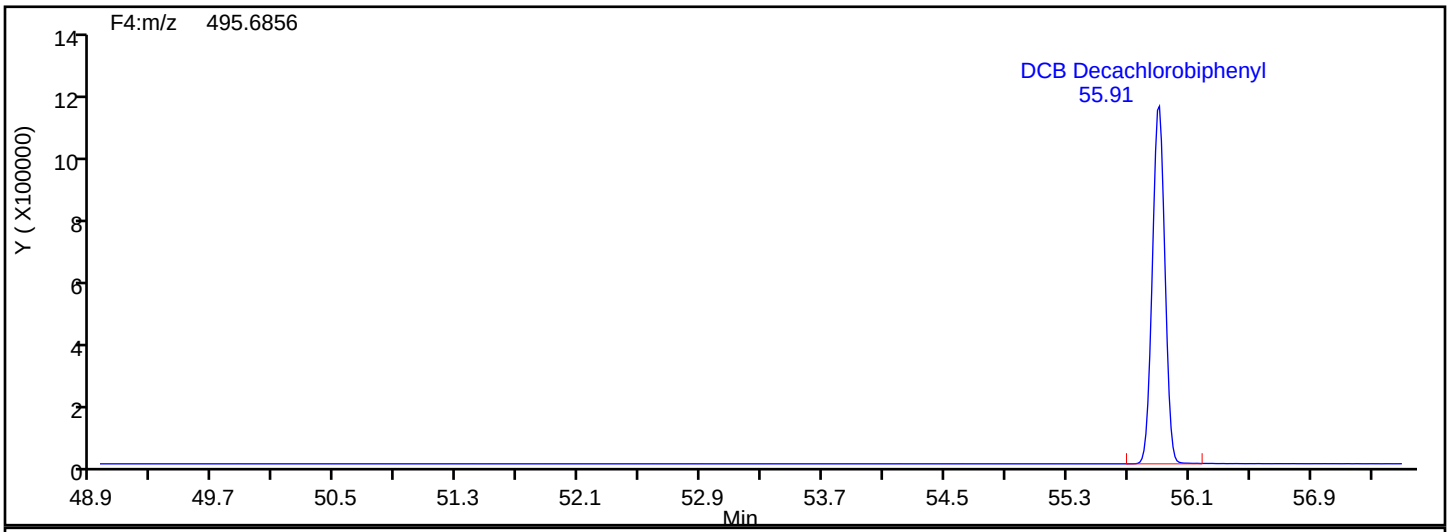
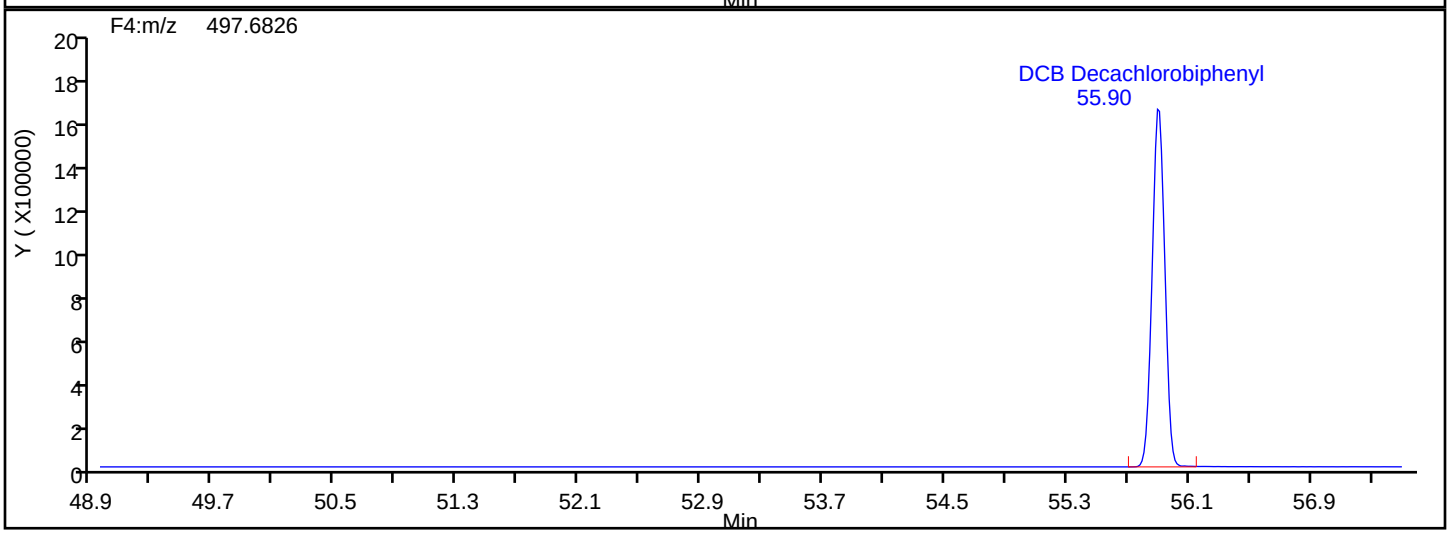
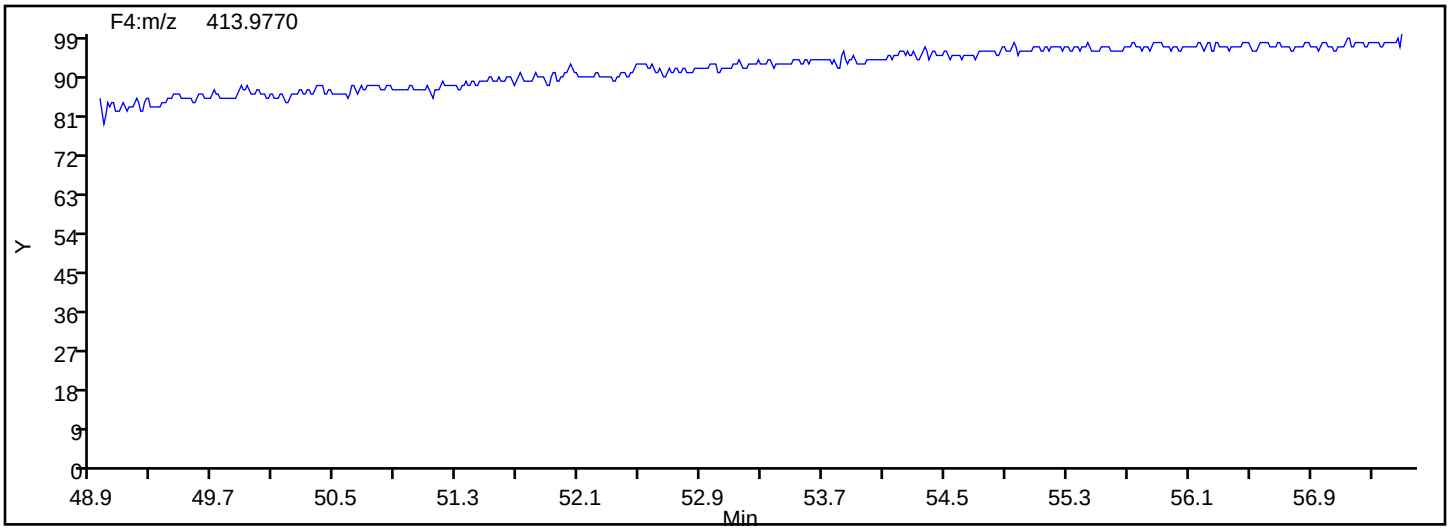
| Injection Date: | 21-Aug-2019 18:03:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 5 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Aug-2019 19:05:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-006
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:38:46 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 23-Aug-2019 12:54:16

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 6955.8 | 6103.9 | 5.224 | 5.224 | | RQ |
| D PCB-1L | 11:46 | 5313201 | 3.10 | 1.3140 | 97.8 | 97.8 | 0.1971 | 0.1971 | 97.84 | |
| D PCB-3L | 13:57 | 5741345 | 3.12 | 1.3615 | 102.0 | 102.0 | 0.1902 | 0.1902 | 102 | |
| PCB-1 | 11:47 | 131081527 | 3.13 | 1.1883 | 2411.7 | 2076.2 | 5.056 | 5.056 | 121 | RQ |
| PCB-2 | 13:47 | 136577384 | 3.13 | 1.1911 | 2346.1 | 2074.5 | 5.247 | 5.247 | 117 | RQ |
| PCB-3 | 13:58 | 136017887 | 3.13 | 1.2130 | 2198.1 | 1953.1 | 5.369 | 5.369 | 110 | RQ |
| S Total Dichlorobiphenyls | | | | | 24369 | 24369 | 0.0803 | 0.0803 | | |
| D PCB-4L | 14:12 | 2387667 | 1.59 | 0.5996 | 96.4 | 96.4 | 0.1506 | 0.1506 | 96.36 | |
| * PCB-9L | 16:11 | 4132865 | 1.63 | 4E+04 | 100.0 | 100.0 | | | | |
| D PCB-15L | 20:06 | 4623729 | 1.65 | 1.0280 | 108.8 | 108.8 | 0.0878 | 0.0878 | 109 | |
| PCB-4 | 14:13 | 61961098 | 1.61 | 1.2533 | 2070.6 | 2070.6 | 0.1225 | 0.1225 | 104 | |
| PCB-10 | 14:23 | 105778172 | 1.65 | 1.4828 | 2034.9 | 2034.9 | 0.0821 | 0.0821 | 102 | |
| PCB-9 | 16:11 | 98526181 | 1.64 | 1.4200 | 1979.2 | 1979.2 | 0.0857 | 0.0857 | 98.96 | |
| PCB-7 | 16:22 | 116418451 | 1.64 | 1.6244 | 2044.4 | 2044.4 | 0.0749 | 0.0749 | 102 | |
| PCB-6 | 16:36 | 107547193 | 1.65 | 1.5539 | 1974.3 | 1974.3 | 0.0783 | 0.0783 | 98.71 | |
| PCB-5 | 16:55 | 109842442 | 1.64 | 1.5606 | 2007.7 | 2007.7 | 0.0780 | 0.0780 | 100 | |
| PCB-8 | 17:02 | 112458991 | 1.64 | 1.5884 | 2019.6 | 2019.6 | 0.0766 | 0.0766 | 101 | |
| PCB-14 | 18:40 | 133999258 | 1.64 | 1.8738 | 2039.9 | 2039.9 | 0.0649 | 0.0649 | 102 | |
| PCB-11 | 19:30 | 114567710 | 1.64 | 1.6347 | 1999.2 | 1999.2 | 0.0744 | 0.0744 | 99.96 | |
| PCB-12 | 19:50 | 245446158 | 1.66 | 1.6410 | 4266.4 | 4266.4 | 0.0742 | 0.0742 | 107 | |
| PCB-13 (C12) | 19:50 | 245446158 | 1.66 | 1.6410 | 4266.4 | 4266.4 | 0.0742 | 0.0742 | 107 | |
| PCB-15 | 20:07 | 125319245 | 1.63 | 1.4024 | 1932.6 | 1932.6 | 0.0719 | 0.0719 | 96.63 | |
| S Total Trichlorobiphenyl | | | | | 49280 | 49280 | 5.588 | 5.588 | | |
| D PCB-19L | 17:19 | 1343350 | 1.09 | 0.6095 | 97.0 | 97.0 | 0.4382 | 0.4382 | 97.04 | |
| * PCB-32L | 20:34 | 2271374 | 1.08 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:50 | 7309987 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | | |
| D PCB-37L | 27:09 | 7131201 | 1.06 | 0.9024 | 108.1 | 108.1 | 0.2193 | 0.2193 | 108 | |
| PCB-19 | 17:20 | 34954485 | 1.08 | 1.3047 | 1994.3 | 1994.3 | 0.0401 | 0.0401 | 99.72 | |
| PCB-18 | 19:11 | 103955789 | 1.07 | 1.8188 | 4254.8 | 4254.8 | 0.0288 | 0.0288 | 106 | |
| PCB-30 (C18) | 19:11 | 103955789 | 1.07 | 1.8188 | 4254.8 | 4254.8 | 0.0288 | 0.0288 | 106 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:37 | 42112206 | 1.08 | 1.5641 | 2004.2 | 2004.2 | 0.0335 | 0.0335 | 100 | |
| PCB-27 | 19:50 | 62738940 | 1.09 | 2.1680 | 2154.2 | 2154.2 | 0.0241 | 0.0241 | 108 | |
| PCB-24 | 19:58 | 56732674 | 1.07 | 2.1018 | 2009.3 | 2009.3 | 0.0249 | 0.0249 | 100 | |
| PCB-16 | 20:04 | 33352172 | 1.08 | 1.2260 | 2025.1 | 2025.1 | 0.0427 | 0.0427 | 101 | |
| PCB-32 | 20:36 | 62758251 | 1.07 | 2.3416 | 1995.1 | 1995.1 | 0.0224 | 0.0224 | 99.76 | |
| PCB-34 | 21:52 | 169050618 | 1.06 | 1.2154 | 1950.4 | 1950.4 | 9.229 | 9.229 | 97.52 | |
| PCB-23 | 22:01 | 175140417 | 1.05 | 1.2675 | 1937.6 | 1937.6 | 8.849 | 8.849 | 96.88 | |
| PCB-26 | 22:20 | 403411095 | 1.06 | 1.3193 | 4287.9 | 4287.9 | 8.502 | 8.502 | 107 | |
| PCB-29 (C26) | 22:20 | 403411095 | 1.06 | 1.3193 | 4287.9 | 4287.9 | 8.502 | 8.502 | 107 | |
| PCB-25 | 22:34 | 186478705 | 1.06 | 1.3523 | 1933.7 | 1933.7 | 8.295 | 8.295 | 96.69 | |
| PCB-31 | 22:52 | 189803426 | 1.05 | 1.3809 | 1927.4 | 1927.4 | 8.123 | 8.123 | 96.37 | |
| PCB-20 | 23:11 | 410406021 | 1.06 | 1.3057 | 4407.6 | 4407.6 | 8.590 | 8.590 | 110 | |
| PCB-28 (C20) | 23:11 | 410406021 | 1.06 | 1.3057 | 4407.6 | 4407.6 | 8.590 | 8.590 | 110 | |
| PCB-21 | 23:24 | 411528332 | 1.06 | 1.3777 | 4188.9 | 4188.9 | 8.142 | 8.142 | 105 | Ma |
| PCB-33 (C21) | 23:24 | 411528332 | 1.06 | 1.3777 | 4188.9 | 4188.9 | 8.142 | 8.142 | 105 | Ma |
| PCB-22 | 23:48 | 171126132 | 1.06 | 1.2430 | 1930.6 | 1930.6 | 9.024 | 9.024 | 96.53 | |
| PCB-36 | 25:22 | 193196963 | 1.06 | 1.3468 | 2011.5 | 2011.5 | 8.328 | 8.328 | 101 | Ma |
| PCB-39 | 25:43 | 203751809 | 1.06 | 1.3970 | 2045.2 | 2045.2 | 8.029 | 8.029 | 102 | |
| PCB-38 | 26:18 | 201326682 | 1.07 | 1.3177 | 2142.6 | 2142.6 | 8.512 | 8.512 | 107 | Ma |
| PCB-35 | 26:46 | 175484646 | 1.05 | 1.2166 | 2022.6 | 2022.6 | 9.219 | 9.219 | 101 | Ma |
| PCB-37 | 27:10 | 188916926 | 1.06 | 1.2879 | 2056.9 | 2056.9 | 8.709 | 8.709 | 103 | |
| S Total Tetrachlorobiphen | | | | | 81969 | 81969 | 7.112 | 7.112 | | |
| D PCB-54L | 20:24 | 1465666 | 0.81 | 0.6515 | 99.0 | 99.0 | 0.0867 | 0.0867 | 99.05 | |
| * PCB-52L | 24:59 | 4127202 | 0.80 | 3.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-81L | 33:55 | 5769564 | 0.80 | 1.2328 | 113.4 | 113.4 | 0.1543 | 0.1543 | 113 | |
| D PCB-77L | 34:29 | 5644529 | 0.79 | 1.2523 | 109.2 | 109.2 | 0.1519 | 0.1519 | 109 | |
| PCB-54 | 20:26 | 34609856 | 0.78 | 1.2558 | 1880.3 | 1880.3 | 0.0366 | 0.0366 | 94.02 | |
| PCB-50 | 22:37 | 206498120 | 0.75 | 0.9362 | 3865.0 | 3865.0 | 9.171 | 9.171 | 96.63 | |
| PCB-53 (C50) | 22:37 | 206498120 | 0.75 | 0.9362 | 3865.0 | 3865.0 | 9.171 | 9.171 | 96.63 | |
| PCB-45 | 23:20 | 187725057 | 0.77 | 0.8850 | 3716.7 | 3716.7 | 9.701 | 9.701 | 92.92 | Ma |
| PCB-51 (C45) | 23:20 | 187725057 | 0.77 | 0.8850 | 3716.7 | 3716.7 | 9.701 | 9.701 | 92.92 | Ma |
| PCB-46 | 23:34 | 75525407 | 0.77 | 0.7591 | 1743.4 | 1743.4 | 11.3 | 11.3 | 87.17 | |
| PCB-52 | 25:00 | 90672216 | 0.77 | 0.8992 | 1766.8 | 1766.8 | 9.547 | 9.547 | 88.34 | |
| PCB-43 | 25:09 | 207549562 | 0.76 | 0.9993 | 3639.1 | 3639.1 | 8.591 | 8.591 | 90.98 | Ma |
| PCB-73 (C43) | 25:09 | 207549562 | 0.76 | 0.9993 | 3639.1 | 3639.1 | 8.591 | 8.591 | 90.98 | Ma |
| PCB-49 | 25:28 | 253391460 | 0.75 | 1.1366 | 3906.4 | 3906.4 | 7.554 | 7.554 | 97.66 | |
| PCB-69 (C49) | 25:28 | 253391460 | 0.75 | 1.1366 | 3906.4 | 3906.4 | 7.554 | 7.554 | 97.66 | |
| PCB-48 | 25:47 | 98272807 | 0.77 | 0.9454 | 1821.4 | 1821.4 | 9.081 | 9.081 | 91.07 | |
| PCB-44 | 26:01 | 366670262 | 0.74 | 1.0323 | 6223.8 | 6223.8 | 8.317 | 8.317 | 104 | |
| PCB-47 (C44) | 26:01 | 366670262 | 0.74 | 1.0323 | 6223.8 | 6223.8 | 8.317 | 8.317 | 104 | |
| PCB-65 (C44) | 26:01 | 366670262 | 0.74 | 1.0323 | 6223.8 | 6223.8 | 8.317 | 8.317 | 104 | |
| PCB-59 | 26:19 | 520585037 | 0.73 | 1.3609 | 6702.7 | 6702.7 | 6.308 | 6.308 | 112 | |
| PCB-62 (C59) | 26:19 | 520585037 | 0.73 | 1.3609 | 6702.7 | 6702.7 | 6.308 | 6.308 | 112 | |
| PCB-75 (C59) | 26:19 | 520585037 | 0.73 | 1.3609 | 6702.7 | 6702.7 | 6.308 | 6.308 | 112 | |
| PCB-42 | 26:32 | 88445019 | 0.77 | 0.8670 | 1787.4 | 1787.4 | 9.902 | 9.902 | 89.37 | |
| PCB-40 | 27:02 | 303194668 | 0.75 | 0.9179 | 5787.8 | 5787.8 | 9.353 | 9.353 | 96.46 | Ma |
| PCB-41 (C40) | 27:02 | 303194668 | 0.75 | 0.9179 | 5787.8 | 5787.8 | 9.353 | 9.353 | 96.46 | Ma |
| PCB-71 (C40) | 27:02 | 303194668 | 0.75 | 0.9179 | 5787.8 | 5787.8 | 9.353 | 9.353 | 96.46 | Ma |
| PCB-64 | 27:15 | 153698323 | 0.76 | 1.4164 | 1901.4 | 1901.4 | 6.062 | 6.062 | 95.07 | |
| PCB-72 | 28:05 | 140764520 | 0.76 | 1.3157 | 1874.6 | 1874.6 | 6.525 | 6.525 | 93.73 | |
| PCB-68 | 28:22 | 161202811 | 0.76 | 1.4782 | 1910.8 | 1910.8 | 5.808 | 5.808 | 95.54 | |
| PCB-57 | 28:48 | 135052840 | 0.76 | 1.2817 | 1846.3 | 1846.3 | 6.698 | 6.698 | 92.32 | |
| PCB-58 | 29:01 | 143200602 | 0.76 | 1.3214 | 1898.9 | 1898.9 | 6.497 | 6.497 | 94.95 | |
| PCB-67 | 29:12 | 154676013 | 0.75 | 1.3944 | 1943.6 | 1943.6 | 6.157 | 6.157 | 97.18 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:28 | 158990187 | 0.76 | 1.4685 | 1897.1 | 1897.1 | 5.847 | 5.847 | 94.86 | |
| PCB-61 | 29:48 | 667683512 | 0.73 | 1.3565 | 8624.4 | 8624.4 | 6.329 | 6.329 | 108 | |
| PCB-70 (C61) | 29:48 | 667683512 | 0.73 | 1.3565 | 8624.4 | 8624.4 | 6.329 | 6.329 | 108 | |
| PCB-74 (C61) | 29:48 | 667683512 | 0.73 | 1.3565 | 8624.4 | 8624.4 | 6.329 | 6.329 | 108 | |
| PCB-76 (C61) | 29:48 | 667683512 | 0.73 | 1.3565 | 8624.4 | 8624.4 | 6.329 | 6.329 | 108 | |
| PCB-66 | 30:07 | 135772437 | 0.77 | 1.2800 | 1858.6 | 1858.6 | 6.707 | 6.707 | 92.93 | |
| PCB-55 | 30:17 | 137589634 | 0.75 | 1.2951 | 1861.5 | 1861.5 | 6.629 | 6.629 | 93.07 | |
| PCB-56 | 30:47 | 131806866 | 0.76 | 1.2671 | 1822.7 | 1822.7 | 6.776 | 6.776 | 91.14 | |
| PCB-60 | 31:00 | 142203023 | 0.75 | 1.3288 | 1875.1 | 1875.1 | 6.461 | 6.461 | 93.76 | |
| PCB-80 | 31:26 | 162638038 | 0.78 | 1.4694 | 1939.4 | 1939.4 | 5.843 | 5.843 | 96.97 | |
| PCB-79 | 32:57 | 185880249 | 0.76 | 1.5421 | 2112.1 | 2112.1 | 5.567 | 5.567 | 106 | |
| PCB-78 | 33:30 | 136281139 | 0.76 | 1.3150 | 1815.9 | 1815.9 | 6.529 | 6.529 | 90.80 | |
| PCB-81 | 33:57 | 149770757 | 0.76 | 1.3214 | 1964.5 | 1964.5 | 6.484 | 6.484 | 98.22 | |
| PCB-77 | 34:30 | 148761431 | 0.76 | 1.3308 | 1980.4 | 1980.4 | 6.464 | 6.464 | 99.02 | |
| S Total Pentachlorobiphen | | | | | 95499 | 95499 | 3.514 | 3.514 | | |
| D PCB-104L | 25:56 | 3931948 | 1.63 | 1.1164 | 89.3 | 89.3 | 0.0301 | 0.0301 | 89.34 | |
| * PCB-101L | 31:52 | 3942458 | 1.59 | 3.4E+04 | 100.0 | 100.0 | | | | |
| D PCB-123L | 36:30 | 6015868 | 1.58 | 0.9909 | 104.2 | 104.2 | 0.7138 | 0.7138 | 104 | |
| D PCB-118L | 36:50 | 5794708 | 1.59 | 1.0256 | 97.0 | 97.0 | 0.6896 | 0.6896 | 96.98 | |
| D PCB-114L | 37:21 | 5814155 | 1.60 | 1.0030 | 99.5 | 99.5 | 0.7052 | 0.7052 | 99.49 | |
| D PCB-105L | 38:00 | 5691805 | 1.59 | 1.0013 | 97.6 | 97.6 | 0.7064 | 0.7064 | 97.57 | |
| * PCB-127L | 39:29 | 5826371 | 1.58 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:06 | 5585131 | 1.60 | 0.9020 | 106.3 | 106.3 | 0.7841 | 0.7841 | 106 | |
| PCB-104 | 25:57 | 110413744 | 1.63 | 1.3926 | 2016.5 | 2016.5 | 0.0277 | 0.0277 | 101 | |
| PCB-96 | 26:19 | 103490517 | 1.64 | 1.2268 | 2145.5 | 2145.5 | 0.0315 | 0.0315 | 107 | |
| PCB-103 | 28:16 | 79367725 | 1.61 | 1.0331 | 1953.9 | 1953.9 | 0.0374 | 0.0374 | 97.70 | |
| PCB-94 | 28:29 | 68908326 | 1.61 | 0.9036 | 1939.4 | 1939.4 | 0.0427 | 0.0427 | 96.97 | |
| PCB-95 | 28:55 | 73627709 | 1.61 | 0.9620 | 1946.4 | 1946.4 | 0.0401 | 0.0401 | 97.32 | |
| PCB-93 | 29:09 | 163985862 | 1.64 | 0.9806 | 4252.9 | 4252.9 | 0.0394 | 0.0394 | 106 | |
| PCB-100 (C93) | 29:09 | 163985862 | 1.64 | 0.9806 | 4252.9 | 4252.9 | 0.0394 | 0.0394 | 106 | |
| PCB-98 | 29:18 | 153788273 | 1.62 | 0.9888 | 3955.5 | 3955.5 | 0.0391 | 0.0391 | 98.89 | Ma |
| PCB-102 (C98) | 29:18 | 153788273 | 1.62 | 0.9888 | 3955.5 | 3955.5 | 0.0391 | 0.0391 | 98.89 | Ma |
| PCB-88 | 29:48 | 161872044 | 1.64 | 1.0052 | 4095.4 | 4095.4 | 0.0384 | 0.0384 | 102 | Ma |
| PCB-91 (C88) | 29:48 | 161872044 | 1.64 | 1.0052 | 4095.4 | 4095.4 | 0.0384 | 0.0384 | 102 | Ma |
| PCB-84 | 30:00 | 63117332 | 1.60 | 0.8601 | 1866.3 | 1866.3 | 0.0449 | 0.0449 | 93.31 | |
| PCB-89 | 30:29 | 66276429 | 1.62 | 0.8936 | 1886.4 | 1886.4 | 0.0432 | 0.0432 | 94.32 | |
| PCB-121 | 30:55 | 108389874 | 1.62 | 1.3971 | 1973.1 | 1973.1 | 0.0276 | 0.0276 | 98.65 | |
| PCB-92 | 31:17 | 71660358 | 1.60 | 0.9532 | 1912.0 | 1912.0 | 0.0405 | 0.0405 | 95.60 | |
| PCB-90 | 31:52 | 292072513 | 1.65 | 1.1367 | 6535.0 | 6535.0 | 0.0340 | 0.0340 | 109 | |
| PCB-101 (C90) | 31:52 | 292072513 | 1.65 | 1.1367 | 6535.0 | 6535.0 | 0.0340 | 0.0340 | 109 | |
| PCB-113 (C90) | 31:52 | 292072513 | 1.65 | 1.1367 | 6535.0 | 6535.0 | 0.0340 | 0.0340 | 109 | |
| PCB-83 | 32:27 | 143948890 | 1.61 | 0.9393 | 3897.5 | 3897.5 | 0.0411 | 0.0411 | 97.44 | |
| PCB-99 (C83) | 32:27 | 143948890 | 1.61 | 0.9393 | 3897.5 | 3897.5 | 0.0411 | 0.0411 | 97.44 | |
| PCB-112 | 32:34 | 108352141 | 1.63 | 1.3672 | 2015.6 | 2015.6 | 0.0282 | 0.0282 | 101 | |
| PCB-86 | 32:57 | 680048715 | 1.72 | 1.1958 | 14464 | 14464 | 0.0323 | 0.0323 | 121 | Ma |
| PCB-87 (C86) | 32:57 | 680048715 | 1.72 | 1.1958 | 14464 | 14464 | 0.0323 | 0.0323 | 121 | Ma |
| PCB-97 (C86) | 32:57 | 680048715 | 1.72 | 1.1958 | 14464 | 14464 | 0.0323 | 0.0323 | 121 | Ma |
| PCB-109 (C86) | 32:57 | 680048715 | 1.72 | 1.1958 | 14464 | 14464 | 0.0323 | 0.0323 | 121 | Ma |
| PCB-119 (C86) | 32:57 | 680048715 | 1.72 | 1.1958 | 14464 | 14464 | 0.0323 | 0.0323 | 121 | Ma |
| PCB-125 (C86) | 32:57 | 680048715 | 1.72 | 1.1958 | 14464 | 14464 | 0.0323 | 0.0323 | 121 | Ma |
| PCB-85 | 33:41 | 307227526 | 1.64 | 1.2126 | 6443.6 | 6443.6 | 0.0318 | 0.0318 | 107 | |
| PCB-116 (C85) | 33:41 | 307227526 | 1.64 | 1.2126 | 6443.6 | 6443.6 | 0.0318 | 0.0318 | 107 | |
| PCB-117 (C85) | 33:41 | 307227526 | 1.64 | 1.2126 | 6443.6 | 6443.6 | 0.0318 | 0.0318 | 107 | |
| PCB-110 | 33:56 | 218611059 | 1.63 | 1.3511 | 4115.1 | 4115.1 | 0.0286 | 0.0286 | 103 | Ma |
| PCB-115 (C110) | 33:56 | 218611059 | 1.63 | 1.3511 | 4115.1 | 4115.1 | 0.0286 | 0.0286 | 103 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-82 | 34:10 | 66167749 | 1.60 | 0.8675 | 1939.8 | 1939.8 | 0.0445 | 0.0445 | 96.99 | |
| PCB-111 | 34:34 | 115749347 | 1.62 | 1.4262 | 2064.2 | 2064.2 | 0.0271 | 0.0271 | 103 | |
| PCB-120 | 35:02 | 121359628 | 1.62 | 1.4907 | 2070.4 | 2070.4 | 0.0259 | 0.0259 | 104 | |
| PCB-108 | 36:10 | 315054227 | 1.68 | 1.2547 | 4344.1 | 4344.1 | 11.2 | 11.2 | 109 | |
| PCB-124 (C108) | 36:10 | 315054227 | 1.68 | 1.2547 | 4344.1 | 4344.1 | 11.2 | 11.2 | 109 | |
| PCB-107 | 36:25 | 154884951 | 1.61 | 1.3580 | 1973.2 | 1973.2 | 10.3 | 10.3 | 98.66 | |
| PCB-123 | 36:32 | 160533581 | 1.63 | 1.3407 | 1990.5 | 1990.5 | 9.680 | 9.680 | 99.52 | |
| PCB-106 | 36:38 | 145235317 | 1.63 | 1.2749 | 1970.8 | 1970.8 | 11.0 | 11.0 | 98.54 | |
| PCB-118 | 36:51 | 149198389 | 1.61 | 1.2892 | 1997.2 | 1997.2 | 11.0 | 11.0 | 99.86 | |
| PCB-122 | 37:12 | 126526615 | 1.62 | 1.1614 | 1884.8 | 1884.8 | 12.1 | 12.1 | 94.24 | |
| PCB-114 | 37:23 | 162222205 | 1.62 | 1.4051 | 1985.8 | 1985.8 | 9.932 | 9.932 | 99.29 | |
| PCB-105 | 38:01 | 142895705 | 1.66 | 1.2887 | 1948.1 | 1948.1 | 11.3 | 11.3 | 97.40 | |
| PCB-127 | 39:31 | 146765196 | 1.62 | 1.2841 | 1977.3 | 1977.3 | 10.9 | 10.9 | 98.86 | Ma |
| PCB-126 | 41:07 | 145322101 | 1.62 | 1.3416 | 1939.4 | 1939.4 | 10.9 | 10.9 | 96.97 | |
| S Total Hexachlorobipheny | | | | | 80621 | 80621 | 3.454 | 3.454 | | |
| D PCB-155L | 31:39 | 3335674 | 1.31 | 0.9499 | 89.1 | 89.1 | 0.0414 | 0.0414 | 89.07 | |
| * PCB-138L | 39:58 | 4170035 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:59 | 5310685 | 1.28 | 1.2544 | 101.5 | 101.5 | 0.4450 | 0.4450 | 102 | |
| D PCB-156L | 44:08 | 10573637 | 1.28 | 1.2289 | 206.3 | 206.3 | 0.4543 | 0.4543 | 103 | |
| D PCB-157L (C156L) | 44:08 | 10573637 | 1.28 | 1.2289 | 206.3 | 206.3 | 0.4543 | 0.4543 | 103 | |
| D PCB-169L | 47:21 | 4842978 | 1.24 | 1.0883 | 106.7 | 106.7 | 0.5129 | 0.5129 | 107 | |
| PCB-155 | 31:39 | 83038868 | 1.27 | 1.3028 | 1910.8 | 1910.8 | 0.0344 | 0.0344 | 95.54 | |
| PCB-152 | 31:51 | 85396126 | 1.29 | 1.2556 | 2038.9 | 2038.9 | 0.0357 | 0.0357 | 102 | |
| PCB-150 | 32:01 | 80863694 | 1.28 | 1.2368 | 1960.0 | 1960.0 | 0.0362 | 0.0362 | 98.00 | |
| PCB-136 | 32:22 | 77764846 | 1.29 | 1.1563 | 2016.2 | 2016.2 | 0.0387 | 0.0387 | 101 | |
| PCB-145 | 32:40 | 76975232 | 1.27 | 1.1910 | 1937.6 | 1937.6 | 0.0376 | 0.0376 | 96.88 | |
| PCB-148 | 34:12 | 59277690 | 1.28 | 0.8982 | 1978.5 | 1978.5 | 0.0499 | 0.0499 | 98.92 | |
| PCB-135 | 34:46 | 113612301 | 1.27 | 0.8691 | 3918.8 | 3918.8 | 0.0515 | 0.0515 | 97.97 | Ma |
| PCB-151 (C135) | 34:46 | 113612301 | 1.27 | 0.8691 | 3918.8 | 3918.8 | 0.0515 | 0.0515 | 97.97 | Ma |
| PCB-154 | 35:03 | 68314494 | 1.29 | 1.0180 | 2011.8 | 2011.8 | 0.0440 | 0.0440 | 101 | |
| PCB-144 | 35:21 | 58452336 | 1.28 | 0.9185 | 1907.9 | 1907.9 | 0.0488 | 0.0488 | 95.39 | |
| PCB-147 | 35:43 | 200408965 | 1.26 | 0.9747 | 3968.0 | 3968.0 | 5.255 | 5.255 | 99.20 | |
| PCB-149 (C147) | 35:43 | 200408965 | 1.26 | 0.9747 | 3968.0 | 3968.0 | 5.255 | 5.255 | 99.20 | |
| PCB-134 | 36:01 | 154582038 | 1.26 | 0.8518 | 3502.1 | 3502.1 | 6.013 | 6.013 | 87.55 | |
| PCB-143 (C134) | 36:01 | 154582038 | 1.26 | 0.8518 | 3502.1 | 3502.1 | 6.013 | 6.013 | 87.55 | |
| PCB-139 | 36:19 | 202813665 | 1.26 | 0.9995 | 3915.8 | 3915.8 | 5.125 | 5.125 | 97.90 | |
| PCB-140 (C139) | 36:19 | 202813665 | 1.26 | 0.9995 | 3915.8 | 3915.8 | 5.125 | 5.125 | 97.90 | |
| PCB-131 | 36:30 | 83484473 | 1.26 | 0.8584 | 1876.8 | 1876.8 | 5.967 | 5.967 | 93.84 | |
| PCB-142 | 36:40 | 83407345 | 1.27 | 0.8597 | 1872.3 | 1872.3 | 5.958 | 5.958 | 93.61 | |
| PCB-132 | 36:58 | 80126088 | 1.26 | 0.8801 | 1757.0 | 1757.0 | 5.820 | 5.820 | 87.85 | |
| PCB-133 | 37:29 | 85692535 | 1.25 | 0.9064 | 1824.5 | 1824.5 | 5.651 | 5.651 | 91.22 | |
| PCB-165 | 37:53 | 105969594 | 1.25 | 1.1210 | 1824.3 | 1824.3 | 4.569 | 4.569 | 91.22 | |
| PCB-146 | 38:08 | 95435156 | 1.24 | 1.0084 | 1826.5 | 1826.5 | 5.080 | 5.080 | 91.32 | |
| PCB-161 | 38:16 | 129985942 | 1.27 | 1.3370 | 1876.2 | 1876.2 | 3.831 | 3.831 | 93.81 | |
| PCB-153 | 38:47 | 245235709 | 1.26 | 1.2207 | 3877.1 | 3877.1 | 4.196 | 4.196 | 96.93 | |
| PCB-168 (C153) | 38:47 | 245235709 | 1.26 | 1.2207 | 3877.1 | 3877.1 | 4.196 | 4.196 | 96.93 | |
| PCB-141 | 38:56 | 88083280 | 1.26 | 0.9608 | 1769.2 | 1769.2 | 5.331 | 5.331 | 88.46 | |
| PCB-130 | 39:21 | 74844561 | 1.25 | 0.8274 | 1745.6 | 1745.6 | 6.190 | 6.190 | 87.28 | |
| PCB-137 | 39:34 | 101584779 | 1.26 | 1.0582 | 1852.5 | 1852.5 | 4.840 | 4.840 | 92.63 | |
| PCB-164 | 39:41 | 119784248 | 1.26 | 1.2527 | 1845.3 | 1845.3 | 4.089 | 4.089 | 92.27 | |
| PCB-129 | 40:00 | 454601428 | 1.26 | 1.0840 | 8093.4 | 8093.4 | 4.725 | 4.725 | 101 | Ma |
| PCB-138 (C129) | 40:00 | 454601428 | 1.26 | 1.0840 | 8093.4 | 8093.4 | 4.725 | 4.725 | 101 | Ma |
| PCB-160 (C129) | 40:00 | 454601428 | 1.26 | 1.0840 | 8093.4 | 8093.4 | 4.725 | 4.725 | 101 | Ma |
| PCB-163 (C129) | 40:00 | 454601428 | 1.26 | 1.0840 | 8093.4 | 8093.4 | 4.725 | 4.725 | 101 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:23 | 133258309 | 1.25 | 1.3862 | 1855.2 | 1855.2 | 3.695 | 3.695 | 92.76 | |
| PCB-128 | 41:14 | 233562279 | 1.26 | 1.1165 | 4037.1 | 4037.1 | 4.588 | 4.588 | 101 | |
| PCB-166 (C128) | 41:14 | 233562279 | 1.26 | 1.1165 | 4037.1 | 4037.1 | 4.588 | 4.588 | 101 | |
| PCB-159 | 42:14 | 130569944 | 1.26 | 1.3178 | 1912.1 | 1912.1 | 3.887 | 3.887 | 95.60 | |
| PCB-162 | 42:31 | 130481170 | 1.24 | 1.3623 | 1848.4 | 1848.4 | 3.760 | 3.760 | 92.42 | |
| PCB-167 | 43:00 | 139138710 | 1.25 | 1.3357 | 1961.6 | 1961.6 | 3.191 | 3.191 | 98.08 | |
| PCB-156 | 44:08 | 270090351 | 1.26 | 1.2759 | 4004.0 | 4004.0 | 4.644 | 4.644 | 100 | |
| PCB-157 (C156) | 44:08 | 270090351 | 1.26 | 1.2759 | 4004.0 | 4004.0 | 4.644 | 4.644 | 100 | |
| PCB-169 | 47:23 | 117711265 | 1.26 | 1.2825 | 1895.2 | 1895.2 | 3.735 | 3.735 | 94.76 | |
| S Total Heptachlorobiphen | | | | | 45682 | 45682 | 0.0728 | 0.0728 | | |
| D PCB-188L | 37:22 | 4786599 | 1.07 | 1.3162 | 99.8 | 99.8 | 0.0199 | 0.0199 | 99.80 | |
| * PCB-180L | 45:32 | 3644205 | 1.11 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:47 | 2967012 | 1.06 | 0.8357 | 97.4 | 97.4 | 0.0313 | 0.0313 | 97.42 | |
| D PCB-189L | 49:54 | 5979565 | 1.06 | 1.4666 | 107.2 | 107.2 | 0.1810 | 0.1810 | 107 | |
| PCB-188 | 37:24 | 117928101 | 1.05 | 1.2502 | 1970.7 | 1970.7 | 0.0360 | 0.0360 | 98.53 | |
| PCB-179 | 37:43 | 101872453 | 1.04 | 1.4149 | 1857.2 | 1857.2 | 0.0402 | 0.0402 | 92.86 | |
| PCB-184 | 38:16 | 108051831 | 1.05 | 1.4191 | 1964.0 | 1964.0 | 0.0401 | 0.0401 | 98.20 | |
| PCB-176 | 38:37 | 111668275 | 1.04 | 1.5212 | 1893.6 | 1893.6 | 0.0374 | 0.0374 | 94.68 | |
| PCB-186 | 39:04 | 105107050 | 1.04 | 1.4350 | 1889.3 | 1889.3 | 0.0397 | 0.0397 | 94.47 | |
| PCB-178 | 40:27 | 74798076 | 1.05 | 1.0228 | 1886.4 | 1886.4 | 0.0556 | 0.0556 | 94.32 | |
| PCB-175 | 41:05 | 78386761 | 1.05 | 1.0690 | 1891.5 | 1891.5 | 0.0532 | 0.0532 | 94.57 | |
| PCB-187 | 41:21 | 80773464 | 1.04 | 1.1106 | 1876.0 | 1876.0 | 0.0512 | 0.0512 | 93.80 | |
| PCB-182 | 41:34 | 82240004 | 1.05 | 1.1484 | 1847.3 | 1847.3 | 0.0496 | 0.0496 | 92.36 | |
| PCB-183 | 41:58 | 166836744 | 1.05 | 1.1368 | 3785.4 | 3785.4 | 0.0501 | 0.0501 | 94.64 | Ma |
| PCB-185 (C183) | 41:58 | 166836744 | 1.05 | 1.1368 | 3785.4 | 3785.4 | 0.0501 | 0.0501 | 94.64 | Ma |
| PCB-174 | 42:12 | 71048448 | 1.05 | 0.9547 | 1919.6 | 1919.6 | 0.0596 | 0.0596 | 95.98 | a |
| PCB-177 | 42:38 | 67617070 | 1.04 | 0.9426 | 1850.4 | 1850.4 | 0.0604 | 0.0604 | 92.52 | |
| PCB-181 | 43:02 | 82721023 | 1.04 | 1.1075 | 1926.7 | 1926.7 | 0.0514 | 0.0514 | 96.33 | |
| PCB-171 | 43:15 | 146209673 | 1.04 | 0.9603 | 3927.1 | 3927.1 | 0.0593 | 0.0593 | 98.18 | |
| PCB-173 (C171) | 43:15 | 146209673 | 1.04 | 0.9603 | 3927.1 | 3927.1 | 0.0593 | 0.0593 | 98.18 | |
| PCB-172 | 44:54 | 70525820 | 1.04 | 0.9918 | 1834.2 | 1834.2 | 0.0574 | 0.0574 | 91.71 | |
| PCB-192 | 45:10 | 94173268 | 1.04 | 1.2904 | 1882.5 | 1882.5 | 0.0441 | 0.0441 | 94.13 | |
| PCB-180 | 45:30 | 184924746 | 1.04 | 1.2286 | 3882.5 | 3882.5 | 0.0463 | 0.0463 | 97.06 | |
| PCB-193 (C180) | 45:30 | 184924746 | 1.04 | 1.2286 | 3882.5 | 3882.5 | 0.0463 | 0.0463 | 97.06 | |
| PCB-191 | 45:54 | 100238737 | 1.04 | 1.3848 | 1867.1 | 1867.1 | 0.0411 | 0.0411 | 93.35 | |
| PCB-170 | 46:48 | 69403405 | 1.03 | 1.2700 | 1841.8 | 1841.8 | 0.0610 | 0.0610 | 92.09 | |
| PCB-190 | 47:20 | 101742010 | 1.04 | 1.3774 | 1905.3 | 1905.3 | 0.0413 | 0.0413 | 95.27 | |
| PCB-189 | 49:55 | 151753525 | 1.05 | 1.2799 | 1982.9 | 1982.9 | 0.5531 | 0.5531 | 99.15 | |
| S Total Octachlorobipheny | | | | | 22592 | 22592 | 0.1602 | 0.1602 | | |
| D PCB-202L | 42:45 | 3585531 | 0.91 | 1.0055 | 97.8 | 97.8 | 0.009767 | 0.009767 | 97.85 | |
| * PCB-194L | 52:02 | 3802476 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:29 | 5048991 | 0.88 | 1.2867 | 103.2 | 103.2 | 0.1260 | 0.1260 | 103 | |
| PCB-202 | 42:46 | 71230477 | 0.90 | 1.0531 | 1886.5 | 1886.5 | 0.0314 | 0.0314 | 94.32 | |
| PCB-201 | 43:42 | 79398274 | 0.89 | 1.1860 | 1867.1 | 1867.1 | 0.0279 | 0.0279 | 93.35 | |
| PCB-204 | 44:23 | 74125825 | 0.90 | 1.1009 | 1877.9 | 1877.9 | 0.0300 | 0.0300 | 93.90 | |
| PCB-197 | 44:36 | 79862479 | 0.89 | 1.2053 | 1848.0 | 1848.0 | 0.0274 | 0.0274 | 92.40 | |
| PCB-200 | 44:42 | 77008171 | 0.90 | 1.1260 | 1907.3 | 1907.3 | 0.0294 | 0.0294 | 95.37 | |
| PCB-198 | 47:30 | 112236180 | 0.89 | 0.8183 | 3825.5 | 3825.5 | 0.0404 | 0.0404 | 95.64 | |
| PCB-199 (C198) | 47:30 | 112236180 | 0.89 | 0.8183 | 3825.5 | 3825.5 | 0.0404 | 0.0404 | 95.64 | |
| PCB-196 | 48:11 | 56478088 | 0.90 | 0.8748 | 1800.6 | 1800.6 | 0.0378 | 0.0378 | 90.03 | |
| PCB-203 | 48:22 | 59851836 | 0.90 | 0.9219 | 1810.7 | 1810.7 | 0.0359 | 0.0359 | 90.53 | |
| PCB-195 | 49:41 | 76512886 | 0.88 | 0.7839 | 1933.2 | 1933.2 | 0.6060 | 0.6060 | 96.66 | |
| PCB-194 | 52:02 | 89727279 | 0.88 | 0.9282 | 1914.7 | 1914.7 | 0.5118 | 0.5118 | 95.73 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205 | 52:31 | 119652844 | 0.88 | 1.2342 | 1920.1 | 1920.1 | 0.3849 | 0.3849 | 96.01 | |
| S Total Nonachlorobipheny | | | | | 5625.2 | 5625.2 | 0.7538 | 0.7538 | | |
| D PCB-208L | 49:26 | 4353887 | 0.80 | 1.1383 | 100.6 | 100.6 | 0.3409 | 0.3409 | 101 | |
| D PCB-206L | 54:15 | 3341299 | 0.82 | 0.8938 | 98.3 | 98.3 | 0.4341 | 0.4341 | 98.31 | |
| PCB-208 | 49:28 | 95345727 | 0.76 | 1.1567 | 1893.2 | 1893.2 | 0.7049 | 0.7049 | 94.66 | |
| PCB-207 | 50:24 | 101868613 | 0.77 | 1.3964 | 1896.0 | 1896.0 | 0.6620 | 0.6620 | 94.80 | |
| PCB-206 | 54:17 | 73166887 | 0.76 | 1.1927 | 1836.0 | 1836.0 | 0.8945 | 0.8945 | 91.80 | |
| D PCB-209L | 55:54 | 3536159 | 0.73 | 0.9809 | 94.8 | 94.8 | 0.0349 | 0.0349 | 94.81 | |
| DCB Decachlorobiphenyl | 55:56 | 82741010 | 0.68 | 1.2455 | 1878.6 | 1878.6 | 0.0177 | 0.0177 | 93.93 | |
| S Polychlorinated bipheny | | | | | 407514 | 407514 | 2.306 | 2.306 | | |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

## Reagents:

61L51668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Aug-2019 19:05:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-006
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:38:46 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 23-Aug-2019 12:54:16

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:46 | 11:48 | -2 | 0.727 | 4016348 | 1564901 | 651 | 1627 | 2404 | | |
| 202.0766 | 11:46 | 11:48 | -2 | 0.727 | 1296853 | 508642 | 648 | 1620 | 785 | 3.10(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:57 | 13:58 | -1 | 0.863 | 4349192 | 1451513 | 651 | 1627 | 2230 | | |
| 202.0766 | 13:57 | 13:58 | -1 | 0.863 | 1392153 | 461011 | 648 | 1620 | 711 | 3.12(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | RQ |
| 188.0393 | 11:47 | 11:49 | -2 | 1.001 | 120521405 | 50999623 | 37364 | 93410 | 1365 | | |
| | Empc Correction | | | | 99342660 | 41343060 | 37364 | 93410 | 1106 | | |
| 190.0363 | 11:47 | 11:49 | -2 | 1.001 | 31738867 | 13208645 | 12462 | 31155 | 1060 | 3.80(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | RQ |
| 188.0393 | 13:47 | 13:49 | -2 | 0.988 | 121382170 | 45697799 | 37364 | 93410 | 1223 | | |
| | Empc Correction | | | | 103507801 | 37198104 | 37364 | 93410 | 996 | | |
| 190.0363 | 13:47 | 13:49 | -2 | 0.988 | 33069583 | 11884378 | 12462 | 31155 | 954 | 3.67(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | RQ |
| 188.0393 | 13:58 | 13:59 | -1 | 1.001 | 120145689 | 42699235 | 37364 | 93410 | 1143 | | |
| | Empc Correction | | | | 103083774 | 34617215 | 37364 | 93410 | 926 | | |
| 190.0363 | 13:58 | 13:59 | -1 | 1.001 | 32934113 | 11059813 | 12462 | 31155 | 887 | 3.65(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:12 | 14:14 | -2 | 0.878 | 1465957 | 494845 | 335 | 837 | 1477 | | |
| 236.0376 | 14:12 | 14:14 | -2 | 0.878 | 921710 | 307556 | 118 | 295 | 2606 | 1.59(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:11 | 16:11 | -1 | | 2563870 | 776665 | 335 | 837 | 2318 | | |
| 236.0376 | 16:11 | 16:11 | -1 | | 1568995 | 476891 | 118 | 295 | 4041 | 1.63(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:06 | 20:07 | -1 | 1.243 | 2876068 | 756526 | 335 | 837 | 2258 | | |
| 236.0376 | 20:06 | 20:07 | -1 | 1.243 | 1747661 | 466004 | 118 | 295 | 3949 | 1.65(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:13 | 14:14 | -2 | 1.001 | 38178237 | 13080990 | 73 | 182 | 179192 | | |
| 223.9974 | 14:13 | 14:14 | -2 | 1.001 | 23782861 | 8093627 | 420 | 1050 | 19271 | 1.61(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:23 | 14:25 | -2 | 1.013 | 65799045 | 21682118 | 73 | 182 | 297015 | | |
| 223.9974 | 14:23 | 14:25 | -2 | 1.013 | 39979127 | 13205143 | 420 | 1050 | 31441 | 1.65(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:11 | 16:13 | -1 | 1.140 | 61136317 | 19115638 | 73 | 182 | 261858 | | |
| 223.9974 | 16:11 | 16:13 | -1 | 1.140 | 37389864 | 11630657 | 420 | 1050 | 27692 | 1.64(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:22 | 16:23 | -1 | 1.152 | 72392636 | 23065974 | 73 | 182 | 315972 | | |
| 223.9974 | 16:22 | 16:23 | -1 | 1.152 | 44025815 | 13851713 | 420 | 1050 | 32980 | 1.64(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:36 | 16:37 | -1 | 1.169 | 66922683 | 20812662 | 73 | 182 | 285105 | | |
| 223.9974 | 16:36 | 16:37 | -1 | 1.169 | 40624510 | 12500545 | 420 | 1050 | 29763 | 1.65(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:55 | 16:55 | -1 | 1.191 | 68219101 | 20189046 | 73 | 182 | 276562 | | |
| 223.9974 | 16:54 | 16:55 | -1 | 1.190 | 41623341 | 12136513 | 420 | 1050 | 28896 | 1.64(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:02 | 17:03 | -1 | 1.199 | 69846935 | 21206902 | 73 | 182 | 290506 | | |
| 223.9974 | 17:02 | 17:03 | -1 | 1.199 | 42612056 | 12852289 | 420 | 1050 | 30601 | 1.64(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:40 | 18:40 | -1 | 0.928 | 83217713 | 24083062 | 73 | 182 | 329905 | | |
| 223.9974 | 18:40 | 18:40 | -1 | 0.928 | 50781545 | 14467387 | 420 | 1050 | 34446 | 1.64(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:30 | 19:30 | -1 | 0.970 | 71187386 | 19954038 | 73 | 182 | 273343 | | |
| 223.9974 | 19:30 | 19:30 | -1 | 0.970 | 43380324 | 11987515 | 420 | 1050 | 28542 | 1.64(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:50 | -1 | 0.986 | 153087994 | 24719222 | 73 | 182 | 338620 | | |
| 223.9974 | 19:50 | 19:50 | -1 | 0.986 | 92358164 | 14767931 | 420 | 1050 | 35162 | 1.66(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:50 | -1 | 0.986 | 153087994 | 24719222 | 73 | 182 | 338620 | | |
| 223.9974 | 19:50 | 19:50 | -1 | 0.986 | 92358164 | 14767931 | 420 | 1050 | 35162 | 1.66(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:07 | 20:07 | -1 | 1.001 | 77688214 | 20858998 | 73 | 182 | 285740 | | |
| 223.9974 | 20:07 | 20:07 | -1 | 1.001 | 47631031 | 12761403 | 420 | 1050 | 30384 | 1.63(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:19 | -1 | 0.842 | 700529 | 195945 | 295 | 737 | 664 | | |
| 269.9986 | 17:19 | 17:19 | -1 | 0.842 | 642821 | 180466 | 320 | 800 | 564 | 1.09(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:34 | 20:36 | -1 | | 1178399 | 297255 | 295 | 737 | 1008 | | |
| 269.9986 | 20:34 | 20:36 | -1 | | 1092975 | 278276 | 320 | 800 | 870 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:50 | 22:51 | -1 | | 3758424 | 907739 | 632 | 1580 | 1436 | | |
| 269.9986 | 22:50 | 22:51 | -1 | | 3551563 | 869738 | 775 | 1937 | 1122 | 1.06(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:09 | 27:09 | 0 | 1.189 | 3668033 | 827272 | 632 | 1580 | 1309 | | |
| 269.9986 | 27:09 | 27:09 | 0 | 1.189 | 3463168 | 793688 | 775 | 1937 | 1024 | 1.06(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:20 | 17:21 | -1 | 1.001 | 18137468 | 5167498 | 43 | 107 | 120174 | | |
| 257.9584 | 17:20 | 17:21 | -1 | 1.001 | 16817017 | 4836749 | 36 | 90 | 134354 | 1.08(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:12 | -1 | 1.108 | 53805348 | 12791988 | 43 | 107 | 297488 | | |
| 257.9584 | 19:11 | 19:12 | -1 | 1.108 | 50150441 | 11971275 | 36 | 90 | 332535 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:12 | -1 | 1.108 | 53805348 | 12791988 | 43 | 107 | 297488 | | |
| 257.9584 | 19:11 | 19:12 | -1 | 1.108 | 50150441 | 11971275 | 36 | 90 | 332535 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:37 | 19:38 | -1 | 1.133 | 21870945 | 5707600 | 43 | 107 | 132735 | | |
| 257.9584 | 19:37 | 19:38 | -1 | 1.133 | 20241261 | 5305252 | 36 | 90 | 147368 | 1.08(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:50 | 19:51 | -1 | 1.146 | 32658452 | 8860852 | 43 | 107 | 206066 | | |
| 257.9584 | 19:50 | 19:51 | -1 | 1.146 | 30080488 | 8116533 | 36 | 90 | 225459 | 1.09(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:58 | 19:59 | -1 | 1.153 | 29344689 | 7986403 | 43 | 107 | 185730 | | |
| 257.9584 | 19:58 | 19:59 | -1 | 1.153 | 27387985 | 7408317 | 36 | 90 | 205787 | 1.07(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:04 | 20:06 | -1 | 1.159 | 17315119 | 4384685 | 43 | 107 | 101969 | | |
| 257.9584 | 20:04 | 20:06 | -1 | 1.159 | 16037053 | 4102243 | 36 | 90 | 113951 | 1.08(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:36 | 20:37 | -1 | 1.190 | 32484564 | 8677812 | 43 | 107 | 201810 | | |
| 257.9584 | 20:36 | 20:37 | -1 | 1.190 | 30273687 | 8022177 | 36 | 90 | 222838 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:52 | 21:53 | -1 | 1.263 | 87062266 | 23231265 | 37456 | 93640 | 620 | | |
| 257.9584 | 21:52 | 21:53 | -1 | 1.263 | 81988352 | 22005762 | 35271 | 88177 | 624 | 1.06(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:01 | 22:02 | -1 | 1.272 | 89890897 | 24001876 | 37456 | 93640 | 641 | | |
| 257.9584 | 22:01 | 22:02 | -1 | 1.272 | 85249520 | 22947885 | 35271 | 88177 | 651 | 1.05(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:20 | 22:21 | -1 | 1.290 | 207405678 | 42299888 | 37456 | 93640 | 1129 | | |
| 257.9584 | 22:20 | 22:21 | -1 | 1.290 | 196005417 | 40232719 | 35271 | 88177 | 1141 | 1.06(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:20 | 22:21 | -1 | 1.290 | 207405678 | 42299888 | 37456 | 93640 | 1129 | | |
| 257.9584 | 22:20 | 22:21 | -1 | 1.290 | 196005417 | 40232719 | 35271 | 88177 | 1141 | 1.06(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:34 | 22:34 | 0 | 0.831 | 95893491 | 23410870 | 37456 | 93640 | 625 | | |
| 257.9584 | 22:34 | 22:34 | 0 | 0.831 | 90585214 | 21998594 | 35271 | 88177 | 624 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:52 | 22:53 | -1 | 0.842 | 97394392 | 25788131 | 37456 | 93640 | 688 | | |
| 257.9584 | 22:52 | 22:53 | -1 | 0.842 | 92409034 | 24543498 | 35271 | 88177 | 696 | 1.05(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | 0 | 0.854 | 211155321 | 48858461 | 37456 | 93640 | 1304 | | |
| 257.9584 | 23:10 | 23:11 | -1 | 0.853 | 199250700 | 45993623 | 35271 | 88177 | 1304 | 1.06(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | 0 | 0.854 | 211155321 | 48858461 | 37456 | 93640 | 1304 | | |
| 257.9584 | 23:10 | 23:11 | -1 | 0.853 | 199250700 | 45993623 | 35271 | 88177 | 1304 | 1.06(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | Ma |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 211529234 | 29333987 | 37456 | 93640 | 783 | | M |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 199999098 | 27639905 | 35271 | 88177 | 784 | 1.06(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | Ma |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 211529234 | 29333987 | 37456 | 93640 | 783 | | M |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 199999098 | 27639905 | 35271 | 88177 | 784 | 1.06(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:48 | 23:49 | -1 | 0.876 | 87975952 | 22604598 | 37456 | 93640 | 603 | | |
| 257.9584 | 23:48 | 23:49 | -1 | 0.876 | 83150180 | 21376489 | 35271 | 88177 | 606 | 1.06(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | Ma |
| 255.9613 | 25:22 | 25:22 | -1 | 0.934 | 99579377 | 24552737 | 37456 | 93640 | 656 | | M |
| 257.9584 | 25:22 | 25:22 | -1 | 0.934 | 93617586 | 23251527 | 35271 | 88177 | 659 | 1.06(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:43 | 25:44 | -1 | 0.947 | 104784071 | 25466452 | 37456 | 93640 | 680 | | |
| 257.9584 | 25:43 | 25:44 | -1 | 0.947 | 98967738 | 24139674 | 35271 | 88177 | 684 | 1.06(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | Ma |
| 255.9613 | 26:18 | 26:19 | -1 | 0.969 | 103879145 | 24975682 | 37456 | 93640 | 667 | | M |
| 257.9584 | 26:18 | 26:19 | -1 | 0.969 | 97447537 | 23679334 | 35271 | 88177 | 671 | 1.07(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | Ma |
| 255.9613 | 26:46 | 26:46 | -1 | 0.985 | 90075963 | 22199935 | 37456 | 93640 | 593 | | M |
| 257.9584 | 26:46 | 26:46 | -1 | 0.985 | 85408683 | 21058127 | 35271 | 88177 | 597 | 1.05(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:10 | 27:11 | -1 | 1.000 | 97062315 | 23437207 | 37456 | 93640 | 626 | | |
| 257.9584 | 27:10 | 27:11 | -1 | 1.000 | 91854611 | 22271073 | 35271 | 88177 | 631 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:24 | 20:25 | -1 | 0.817 | 655613 | 170101 | 95 | 237 | 1791 | | |
| 303.9597 | 20:24 | 20:25 | -1 | 0.817 | 810053 | 204152 | 35 | 87 | 5833 | 0.81(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:59 | 25:00 | -1 | | 1833563 | 431973 | 371 | 927 | 1164 | | |
| 303.9597 | 24:59 | 25:00 | -1 | | 2293639 | 538755 | 368 | 920 | 1464 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:55 | 33:56 | -1 | 1.358 | 2568118 | 538032 | 371 | 927 | 1450 | | |
| 303.9597 | 33:55 | 33:56 | -1 | 1.358 | 3201446 | 671998 | 368 | 920 | 1826 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:29 | 34:29 | -1 | 1.381 | 2491167 | 528218 | 371 | 927 | 1424 | | |
| 303.9597 | 34:29 | 34:29 | -1 | 1.381 | 3153362 | 677026 | 368 | 920 | 1840 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:26 | 20:26 | -1 | 1.000 | 15155933 | 3828111 | 32 | 80 | 119629 | | |
| 291.9194 | 20:26 | 20:26 | -1 | 1.000 | 19453923 | 4923527 | 37 | 92 | 133068 | 0.78(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.108 | 88635749 | 17158438 | 18692 | 46730 | 918 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.108 | 117862371 | 23005858 | 22780 | 56950 | 1010 | 0.75(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.108 | 88635749 | 17158438 | 18692 | 46730 | 918 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.108 | 117862371 | 23005858 | 22780 | 56950 | 1010 | 0.75(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:20 | 23:21 | -1 | 1.144 | 81455415 | 11068584 | 18692 | 46730 | 592 | | M |
| 291.9194 | 23:20 | 23:21 | -1 | 1.144 | 106269642 | 14625302 | 22780 | 56950 | 642 | 0.77(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:20 | 23:21 | -1 | 1.144 | 81455415 | 11068584 | 18692 | 46730 | 592 | | M |
| 291.9194 | 23:20 | 23:21 | -1 | 1.144 | 106269642 | 14625302 | 22780 | 56950 | 642 | 0.77(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:34 | 23:35 | -1 | 1.155 | 32762186 | 7963159 | 18692 | 46730 | 426 | | |
| 291.9194 | 23:34 | 23:35 | -1 | 1.155 | 42763221 | 10557005 | 22780 | 56950 | 463 | 0.77(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 25:00 | 25:00 | 0 | 1.226 | 39313353 | 9523146 | 18692 | 46730 | 509 | | |
| 291.9194 | 25:00 | 25:00 | 0 | 1.226 | 51358863 | 12543767 | 22780 | 56950 | 551 | 0.77(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:09 | 25:09 | -1 | 1.233 | 89591290 | 12831080 | 18692 | 46730 | 686 | | M |
| 291.9194 | 25:09 | 25:09 | -1 | 1.233 | 117958272 | 17222079 | 22780 | 56950 | 756 | 0.76(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:09 | 25:09 | -1 | 1.233 | 89591290 | 12831080 | 18692 | 46730 | 686 | | M |
| 291.9194 | 25:09 | 25:09 | -1 | 1.233 | 117958272 | 17222079 | 22780 | 56950 | 756 | 0.76(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:28 | 25:29 | -1 | 1.248 | 108945624 | 18312108 | 18692 | 46730 | 980 | | |
| 291.9194 | 25:28 | 25:29 | -1 | 1.248 | 144445836 | 24591191 | 22780 | 56950 | 1080 | 0.75(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:28 | 25:29 | -1 | 1.248 | 108945624 | 18312108 | 18692 | 46730 | 980 | | |
| 291.9194 | 25:28 | 25:29 | -1 | 1.248 | 144445836 | 24591191 | 22780 | 56950 | 1080 | 0.75(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:47 | 25:48 | -1 | 1.264 | 42633247 | 10269891 | 18692 | 46730 | 549 | | |
| 291.9194 | 25:47 | 25:48 | -1 | 1.264 | 55639560 | 13575153 | 22780 | 56950 | 596 | 0.77(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | -1 | 1.276 | 155886225 | 28626144 | 18692 | 46730 | 1531 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.276 | 210784037 | 39698669 | 22780 | 56950 | 1743 | 0.74(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | -1 | 1.276 | 155886225 | 28626144 | 18692 | 46730 | 1531 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.276 | 210784037 | 39698669 | 22780 | 56950 | 1743 | 0.74(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | -1 | 1.276 | 155886225 | 28626144 | 18692 | 46730 | 1531 | | |
| 291.9194 | 26:01 | 26:02 | -1 | 1.276 | 210784037 | 39698669 | 22780 | 56950 | 1743 | 0.74(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:20 | -1 | 1.290 | 219827718 | 37761760 | 18692 | 46730 | 2020 | | |
| 291.9194 | 26:19 | 26:20 | -1 | 1.290 | 300757319 | 53045741 | 22780 | 56950 | 2329 | 0.73(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:20 | -1 | 1.290 | 219827718 | 37761760 | 18692 | 46730 | 2020 | | |
| 291.9194 | 26:19 | 26:20 | -1 | 1.290 | 300757319 | 53045741 | 22780 | 56950 | 2329 | 0.73(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:20 | -1 | 1.290 | 219827718 | 37761760 | 18692 | 46730 | 2020 | | |
| 291.9194 | 26:19 | 26:20 | -1 | 1.290 | 300757319 | 53045741 | 22780 | 56950 | 2329 | 0.73(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:32 | 26:33 | -1 | 1.301 | 38390068 | 9094137 | 18692 | 46730 | 487 | | |
| 291.9194 | 26:32 | 26:33 | -1 | 1.301 | 50054951 | 11915697 | 22780 | 56950 | 523 | 0.77(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 0 | 1.325 | 129850704 | 21336076 | 18692 | 46730 | 1141 | | M |
| 291.9194 | 27:02 | 27:02 | 0 | 1.325 | 173343964 | 29084066 | 22780 | 56950 | 1277 | 0.75(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 0 | 1.325 | 129850704 | 21336076 | 18692 | 46730 | 1141 | | M |
| 291.9194 | 27:02 | 27:02 | 0 | 1.325 | 173343964 | 29084066 | 22780 | 56950 | 1277 | 0.75(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 27:02 | 27:02 | 0 | 1.325 | 129850704 | 21336076 | 18692 | 46730 | 1141 | | M |
| 291.9194 | 27:02 | 27:02 | 0 | 1.325 | 173343964 | 29084066 | 22780 | 56950 | 1277 | 0.75(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:15 | 27:15 | -1 | 1.336 | 66240851 | 15745836 | 18692 | 46730 | 842 | | |
| 291.9194 | 27:15 | 27:15 | -1 | 1.336 | 87457472 | 21150297 | 22780 | 56950 | 928 | 0.76(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:05 | 28:06 | -1 | 0.828 | 60879759 | 14493424 | 18692 | 46730 | 775 | | |
| 291.9194 | 28:05 | 28:06 | -1 | 0.828 | 79884761 | 19322458 | 22780 | 56950 | 848 | 0.76(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:22 | 28:23 | -1 | 0.836 | 69539270 | 15265686 | 18692 | 46730 | 817 | | |
| 291.9194 | 28:22 | 28:23 | -1 | 0.836 | 91663541 | 20370442 | 22780 | 56950 | 894 | 0.76(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:48 | 28:48 | 0 | 0.849 | 58206579 | 13405044 | 18692 | 46730 | 717 | | |
| 291.9194 | 28:48 | 28:48 | 0 | 0.849 | 76846261 | 17870178 | 22780 | 56950 | 784 | 0.76(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:01 | 29:02 | -1 | 0.856 | 62013609 | 13527008 | 18692 | 46730 | 724 | | |
| 291.9194 | 29:01 | 29:02 | -1 | 0.856 | 81186993 | 18024685 | 22780 | 56950 | 791 | 0.76(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:12 | 29:12 | 0 | 0.861 | 66460218 | 14553568 | 18692 | 46730 | 779 | | |
| 291.9194 | 29:12 | 29:12 | 0 | 0.861 | 88215795 | 19452397 | 22780 | 56950 | 854 | 0.75(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:28 | 29:28 | 0 | 0.869 | 68720845 | 15280608 | 18692 | 46730 | 817 | | |
| 291.9194 | 29:28 | 29:28 | 0 | 0.869 | 90269342 | 20452845 | 22780 | 56950 | 898 | 0.76(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.878 | 282552724 | 35796192 | 18692 | 46730 | 1915 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 385130788 | 50390253 | 22780 | 56950 | 2212 | 0.73(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.878 | 282552724 | 35796192 | 18692 | 46730 | 1915 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 385130788 | 50390253 | 22780 | 56950 | 2212 | 0.73(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.878 | 282552724 | 35796192 | 18692 | 46730 | 1915 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 385130788 | 50390253 | 22780 | 56950 | 2212 | 0.73(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.878 | 282552724 | 35796192 | 18692 | 46730 | 1915 | | |
| 291.9194 | 29:48 | 29:49 | -1 | 0.878 | 385130788 | 50390253 | 22780 | 56950 | 2212 | 0.73(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:07 | 30:08 | -1 | 0.888 | 58946690 | 13135584 | 18692 | 46730 | 703 | | |
| 291.9194 | 30:07 | 30:08 | -1 | 0.888 | 76825747 | 17658861 | 22780 | 56950 | 775 | 0.77(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:17 | 30:18 | -1 | 0.893 | 59078400 | 13866720 | 18692 | 46730 | 742 | | |
| 291.9194 | 30:17 | 30:18 | -1 | 0.893 | 78511234 | 18393837 | 22780 | 56950 | 807 | 0.75(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:47 | 30:48 | -1 | 0.908 | 57040237 | 12948720 | 18692 | 46730 | 693 | | |
| 291.9194 | 30:47 | 30:48 | -1 | 0.908 | 74766629 | 17087070 | 22780 | 56950 | 750 | 0.76(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:00 | 31:00 | 0 | 0.914 | 61062437 | 13478190 | 18692 | 46730 | 721 | | |
| 291.9194 | 31:00 | 31:00 | 0 | 0.914 | 81140586 | 18097058 | 22780 | 56950 | 794 | 0.75(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:26 | 31:26 | 0 | 0.926 | 71262840 | 15827684 | 18692 | 46730 | 847 | | |
| 291.9194 | 31:26 | 31:26 | 0 | 0.926 | 91375198 | 21063284 | 22780 | 56950 | 925 | 0.78(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:57 | 32:57 | 0 | 0.972 | 80051657 | 17192757 | 18692 | 46730 | 920 | | |
| 291.9194 | 32:57 | 32:57 | 0 | 0.972 | 105828592 | 23167470 | 22780 | 56950 | 1017 | 0.76(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:30 | 33:31 | -1 | 0.988 | 58723884 | 12701492 | 18692 | 46730 | 680 | | |
| 291.9194 | 33:30 | 33:31 | -1 | 0.988 | 77557255 | 16962236 | 22780 | 56950 | 745 | 0.76(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:57 | 33:57 | 0 | 1.001 | 64449111 | 14427424 | 18692 | 46730 | 772 | | |
| 291.9194 | 33:57 | 33:57 | 0 | 1.001 | 85321646 | 19432934 | 22780 | 56950 | 853 | 0.76(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:30 | 34:30 | 0 | 1.001 | 64184571 | 13916166 | 18692 | 46730 | 744 | | |
| 291.9194 | 34:30 | 34:30 | 0 | 1.001 | 84576860 | 18448221 | 22780 | 56950 | 810 | 0.76(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:56 | 25:57 | -1 | 0.814 | 2436467 | 540969 | 48 | 120 | 11270 | | |
| 339.9178 | 25:56 | 25:57 | -1 | 0.814 | 1495481 | 331755 | 65 | 162 | 5104 | 1.63(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:52 | 31:51 | 0 | | 2422500 | 513496 | 48 | 120 | 10698 | | |
| 339.9178 | 31:52 | 31:51 | 0 | | 1519958 | 324814 | 65 | 162 | 4997 | 1.59(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:30 | 36:30 | 0 | 1.146 | 3683288 | 787891 | 1935 | 4837 | 407 | | |
| 339.9178 | 36:30 | 36:30 | 0 | 1.146 | 2332580 | 504123 | 1452 | 3630 | 347 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:50 | 36:50 | 0 | 1.156 | 3559389 | 722180 | 1935 | 4837 | 373 | | |
| 339.9178 | 36:50 | 36:50 | 0 | 1.156 | 2235319 | 460272 | 1452 | 3630 | 317 | 1.59(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:21 | 37:22 | -1 | 1.173 | 3580909 | 735779 | 1935 | 4837 | 380 | | |
| 339.9178 | 37:21 | 37:22 | -1 | 1.173 | 2233246 | 465666 | 1452 | 3630 | 321 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 38:00 | 38:00 | -1 | 1.193 | 3496697 | 705718 | 1935 | 4837 | 365 | | |
| 339.9178 | 38:00 | 38:00 | -1 | 1.193 | 2195108 | 448565 | 1452 | 3630 | 309 | 1.59(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:29 | 39:30 | -1 | | 3571532 | 732820 | 1935 | 4837 | 379 | | |
| 339.9178 | 39:29 | 39:30 | -1 | | 2254839 | 464293 | 1452 | 3630 | 320 | 1.58(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:06 | 41:05 | 0 | 1.290 | 3434303 | 706389 | 1935 | 4837 | 365 | | |
| 339.9178 | 41:06 | 41:05 | 0 | 1.290 | 2150828 | 445103 | 1452 | 3630 | 307 | 1.60(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:57 | 25:58 | -1 | 1.001 | 68458262 | 15927131 | 66 | 165 | 241320 | | |
| 327.8775 | 25:57 | 25:58 | -1 | 1.001 | 41955482 | 9661606 | 69 | 172 | 140023 | 1.63(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:19 | 26:20 | -1 | 1.015 | 64292275 | 15063643 | 66 | 165 | 228237 | | |
| 327.8775 | 26:19 | 26:20 | -1 | 1.015 | 39198242 | 9109921 | 69 | 172 | 132028 | 1.64(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:16 | 28:16 | 0 | 1.090 | 48941842 | 11080027 | 66 | 165 | 167879 | | |
| 327.8775 | 28:16 | 28:16 | -1 | 1.090 | 30425883 | 6793523 | 69 | 172 | 98457 | 1.61(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:29 | 28:30 | -1 | 1.099 | 42468471 | 9650267 | 66 | 165 | 146216 | | |
| 327.8775 | 28:29 | 28:30 | -1 | 1.099 | 26439855 | 5899822 | 69 | 172 | 85505 | 1.61(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:55 | 28:56 | -1 | 1.115 | 45427558 | 10273883 | 66 | 165 | 155665 | | |
| 327.8775 | 28:55 | 28:56 | -1 | 1.115 | 28200151 | 6350967 | 69 | 172 | 92043 | 1.61(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | -1 | 1.124 | 101943886 | 22685531 | 66 | 165 | 343720 | | |
| 327.8775 | 29:09 | 29:10 | -1 | 1.124 | 62041976 | 13752255 | 69 | 172 | 199308 | 1.64(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | -1 | 1.124 | 101943886 | 22685531 | 66 | 165 | 343720 | | |
| 327.8775 | 29:09 | 29:10 | -1 | 1.124 | 62041976 | 13752255 | 69 | 172 | 199308 | 1.64(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:18 | 29:18 | 0 | 1.130 | 94999356 | 11703624 | 66 | 165 | 177328 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.130 | 58788917 | 7112351 | 69 | 172 | 103078 | 1.62(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:18 | 29:18 | 0 | 1.130 | 94999356 | 11703624 | 66 | 165 | 177328 | | M |
| 327.8775 | 29:18 | 29:18 | 0 | 1.130 | 58788917 | 7112351 | 69 | 172 | 103078 | 1.62(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | Ma |
| 325.8804 | 29:48 | 29:48 | 0 | 1.149 | 100476012 | 12509015 | 66 | 165 | 189531 | | M |
| 327.8775 | 29:48 | 29:48 | 0 | 1.149 | 61396032 | 7466510 | 69 | 172 | 108210 | 1.64(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | Ma |
| 325.8804 | 29:48 | 29:48 | 0 | 1.149 | 100476012 | 12509015 | 66 | 165 | 189531 | | M |
| 327.8775 | 29:48 | 29:48 | 0 | 1.149 | 61396032 | 7466510 | 69 | 172 | 108210 | 1.64(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:00 | 30:01 | -1 | 1.157 | 38872657 | 8538459 | 66 | 165 | 129371 | | |
| 327.8775 | 30:00 | 30:01 | -1 | 1.157 | 24244675 | 5247577 | 69 | 172 | 76052 | 1.60(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:29 | 30:30 | -1 | 1.176 | 40950021 | 9120603 | 66 | 165 | 138191 | | |
| 327.8775 | 30:29 | 30:30 | -1 | 1.176 | 25326408 | 5620118 | 69 | 172 | 81451 | 1.62(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:55 | 30:56 | -1 | 1.192 | 67046478 | 15125083 | 66 | 165 | 229168 | | |
| 327.8775 | 30:55 | 30:56 | -1 | 1.192 | 41343396 | 9245119 | 69 | 172 | 133987 | 1.62(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:17 | 31:18 | -1 | 0.857 | 44092840 | 9669979 | 66 | 165 | 146515 | | |
| 327.8775 | 31:17 | 31:18 | -1 | 0.857 | 27567518 | 6016176 | 69 | 172 | 87191 | 1.60(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.229 | 181897900 | 28401755 | 66 | 165 | 430330 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.229 | 110174613 | 16912063 | 69 | 172 | 245102 | 1.65(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.229 | 181897900 | 28401755 | 66 | 165 | 430330 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.229 | 110174613 | 16912063 | 69 | 172 | 245102 | 1.65(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:52 | 31:52 | 0 | 1.229 | 181897900 | 28401755 | 66 | 165 | 430330 | | |
| 327.8775 | 31:52 | 31:52 | 0 | 1.229 | 110174613 | 16912063 | 69 | 172 | 245102 | 1.65(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:27 | 32:28 | -1 | 1.252 | 88757371 | 11228507 | 66 | 165 | 170129 | | |
| 327.8775 | 32:27 | 32:28 | -1 | 1.252 | 55191519 | 6920167 | 69 | 172 | 100292 | 1.61(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:27 | 32:28 | -1 | 1.252 | 88757371 | 11228507 | 66 | 165 | 170129 | | |
| 327.8775 | 32:27 | 32:28 | -1 | 1.252 | 55191519 | 6920167 | 69 | 172 | 100292 | 1.61(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:34 | 32:35 | -1 | 1.256 | 67160256 | 14138459 | 66 | 165 | 214219 | | |
| 327.8775 | 32:34 | 32:35 | -1 | 1.256 | 41191885 | 8639167 | 69 | 172 | 125205 | 1.63(1.32-1.78) | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 429955614 | 60028878 | 66 | 165 | 909529 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.271 | 250093101 | 33161602 | 69 | 172 | 480603 | 1.72(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 429955614 | 60028878 | 66 | 165 | 909529 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.271 | 250093101 | 33161602 | 69 | 172 | 480603 | 1.72(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 429955614 | 60028878 | 66 | 165 | 909529 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.271 | 250093101 | 33161602 | 69 | 172 | 480603 | 1.72(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 429955614 | 60028878 | 66 | 165 | 909529 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.271 | 250093101 | 33161602 | 69 | 172 | 480603 | 1.72(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 429955614 | 60028878 | 66 | 165 | 909529 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.271 | 250093101 | 33161602 | 69 | 172 | 480603 | 1.72(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:57 | 32:57 | 0 | 1.271 | 429955614 | 60028878 | 66 | 165 | 909529 | | M |
| 327.8775 | 32:57 | 32:57 | 0 | 1.271 | 250093101 | 33161602 | 69 | 172 | 480603 | 1.72(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | -1 | 1.299 | 190847937 | 27765851 | 66 | 165 | 420695 | | |
| 327.8775 | 33:41 | 33:41 | -1 | 1.299 | 116379589 | 16691391 | 69 | 172 | 241904 | 1.64(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | -1 | 1.299 | 190847937 | 27765851 | 66 | 165 | 420695 | | |
| 327.8775 | 33:41 | 33:41 | -1 | 1.299 | 116379589 | 16691391 | 69 | 172 | 241904 | 1.64(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | 33:41 | -1 | 1.299 | 190847937 | 27765851 | 66 | 165 | 420695 | | |
| 327.8775 | 33:41 | 33:41 | -1 | 1.299 | 116379589 | 16691391 | 69 | 172 | 241904 | 1.64(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | Ma |
| 325.8804 | 33:56 | 33:56 | 0 | 1.309 | 135463667 | 16148045 | 66 | 165 | 244667 | | M |
| 327.8775 | 33:56 | 33:56 | 0 | 1.309 | 83147392 | 9772735 | 69 | 172 | 141634 | 1.63(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | Ma |
| 325.8804 | 33:56 | 33:56 | 0 | 1.309 | 135463667 | 16148045 | 66 | 165 | 244667 | | M |
| 327.8775 | 33:56 | 33:56 | 0 | 1.309 | 83147392 | 9772735 | 69 | 172 | 141634 | 1.63(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:10 | 34:10 | -1 | 1.317 | 40732438 | 8313700 | 66 | 165 | 125965 | | |
| 327.8775 | 34:10 | 34:10 | -1 | 1.317 | 25435311 | 5150652 | 69 | 172 | 74647 | 1.60(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:34 | 34:35 | -1 | 1.333 | 71613828 | 15593307 | 66 | 165 | 236262 | | |
| 327.8775 | 34:34 | 34:35 | -1 | 1.333 | 44135519 | 9469887 | 69 | 172 | 137245 | 1.62(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:02 | 35:02 | -1 | 1.351 | 74987566 | 16402267 | 66 | 165 | 248519 | | |
| 327.8775 | 35:02 | 35:02 | -1 | 1.351 | 46372062 | 10095551 | 69 | 172 | 146312 | 1.62(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.395 | 197304534 | 44551609 | 41027 | 102567 | 1086 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.395 | 117749693 | 25771130 | 26039 | 65097 | 990 | 1.68(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:10 | 36:10 | 0 | 1.395 | 197304534 | 44551609 | 41027 | 102567 | 1086 | | |
| 327.8775 | 36:10 | 36:10 | 0 | 1.395 | 117749693 | 25771130 | 26039 | 65097 | 990 | 1.68(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:25 | 36:25 | 0 | 1.404 | 95594430 | 19001785 | 41027 | 102567 | 463 | | |
| 327.8775 | 36:25 | 36:25 | 0 | 1.404 | 59290521 | 11564410 | 26039 | 65097 | 444 | 1.61(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:32 | 36:32 | 0 | 1.001 | 99469235 | 21842617 | 41027 | 102567 | 532 | | |
| 327.8775 | 36:31 | 36:32 | -1 | 1.000 | 61064346 | 13303930 | 26039 | 65097 | 511 | 1.63(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:38 | 36:39 | -1 | 1.004 | 89997680 | 19560889 | 41027 | 102567 | 477 | | |
| 327.8775 | 36:38 | 36:39 | -1 | 1.004 | 55237637 | 11989626 | 26039 | 65097 | 460 | 1.63(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:51 | 36:51 | -1 | 1.000 | 92114431 | 18860545 | 41027 | 102567 | 460 | | |
| 327.8775 | 36:51 | 36:51 | -1 | 1.000 | 57083958 | 11662702 | 26039 | 65097 | 448 | 1.61(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:12 | 37:12 | 0 | 1.010 | 78297185 | 17024697 | 41027 | 102567 | 415 | | |
| 327.8775 | 37:12 | 37:12 | 0 | 1.010 | 48229430 | 10292602 | 26039 | 65097 | 395 | 1.62(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:23 | 37:23 | 0 | 1.001 | 100335695 | 21052345 | 41027 | 102567 | 513 | | |
| 327.8775 | 37:23 | 37:23 | 0 | 1.001 | 61886510 | 12785786 | 26039 | 65097 | 491 | 1.62(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:01 | 38:02 | -1 | 1.001 | 89116123 | 18651402 | 41027 | 102567 | 455 | | |
| 327.8775 | 38:01 | 38:02 | -1 | 1.001 | 53779582 | 11372343 | 26039 | 65097 | 437 | 1.66(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | Ma |
| 325.8804 | 39:31 | 39:31 | 0 | 1.040 | 90824206 | 18933002 | 41027 | 102567 | 461 | | M |
| 327.8775 | 39:31 | 39:31 | 0 | 1.040 | 55940990 | 11491798 | 26039 | 65097 | 441 | 1.62(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:07 | 41:07 | 0 | 1.000 | 89787681 | 17652912 | 41027 | 102567 | 430 | | |
| 327.8775 | 41:07 | 41:07 | 0 | 1.000 | 55534420 | 10884569 | 26039 | 65097 | 418 | 1.62(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:39 | 31:38 | 0 | 0.792 | 1888559 | 401371 | 102 | 255 | 3935 | | |
| 373.8788 | 31:39 | 31:38 | 0 | 0.792 | 1447115 | 306545 | 30 | 75 | 10218 | 1.31(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:58 | 39:58 | -1 | | 2331376 | 457811 | 1008 | 2520 | 454 | | |
| 373.8788 | 39:58 | 39:58 | -1 | | 1838659 | 366564 | 833 | 2082 | 440 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:59 | 42:58 | 0 | 1.076 | 2977492 | 603232 | 1008 | 2520 | 598 | | |
| 373.8788 | 42:59 | 42:58 | 0 | 1.076 | 2333193 | 467886 | 833 | 2082 | 562 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:08 | 44:07 | 0 | 1.104 | 5932598 | 865741 | 1008 | 2520 | 859 | | |
| 373.8788 | 44:08 | 44:07 | 0 | 1.104 | 4641039 | 675295 | 833 | 2082 | 811 | 1.28(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:08 | 44:07 | 0 | 1.104 | 5932598 | 865741 | 1008 | 2520 | 859 | | |
| 373.8788 | 44:08 | 44:07 | 0 | 1.104 | 4641039 | 675295 | 833 | 2082 | 811 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:21 | 47:22 | 0 | 1.185 | 2684264 | 530663 | 1008 | 2520 | 526 | | |
| 373.8788 | 47:21 | 47:22 | 0 | 1.185 | 2158714 | 422530 | 833 | 2082 | 507 | 1.24(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:39 | 31:40 | -1 | 1.000 | 46524837 | 10202526 | 72 | 180 | 141702 | | |
| 361.8385 | 31:39 | 31:40 | -1 | 1.000 | 36514031 | 8007612 | 55 | 137 | 145593 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:51 | 31:51 | 0 | 1.006 | 48086049 | 10263198 | 72 | 180 | 142544 | | |
| 361.8385 | 31:50 | 31:51 | -1 | 1.006 | 37310077 | 7898217 | 55 | 137 | 143604 | 1.29(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:01 | 32:01 | -1 | 1.012 | 45334687 | 9994142 | 72 | 180 | 138808 | | |
| 361.8385 | 32:01 | 32:01 | -1 | 1.012 | 35529007 | 7842608 | 55 | 137 | 142593 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:22 | 32:22 | 0 | 1.023 | 43788242 | 9365146 | 72 | 180 | 130072 | | |
| 361.8385 | 32:21 | 32:22 | -1 | 1.023 | 33976604 | 7187792 | 55 | 137 | 130687 | 1.29(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:40 | 32:41 | -1 | 1.033 | 43131372 | 9356698 | 72 | 180 | 129954 | | |
| 361.8385 | 32:40 | 32:41 | -1 | 1.033 | 33843860 | 7298706 | 55 | 137 | 132704 | 1.27(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:12 | 34:13 | -1 | 1.081 | 33237294 | 7072866 | 72 | 180 | 98234 | | |
| 361.8385 | 34:12 | 34:13 | -1 | 1.081 | 26040396 | 5493648 | 55 | 137 | 99885 | 1.28(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 63632709 | 7622481 | 72 | 180 | 105868 | | M |
| 361.8385 | 34:46 | 34:47 | -1 | 1.099 | 49979592 | 5996379 | 55 | 137 | 109025 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:46 | 34:47 | -1 | 1.099 | 63632709 | 7622481 | 72 | 180 | 105868 | | M |
| 361.8385 | 34:46 | 34:47 | -1 | 1.099 | 49979592 | 5996379 | 55 | 137 | 109025 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:03 | 35:03 | 0 | 1.108 | 38431812 | 8177215 | 72 | 180 | 113572 | | |
| 361.8385 | 35:02 | 35:03 | -1 | 1.107 | 29882682 | 6311691 | 55 | 137 | 114758 | 1.29(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:21 | 35:21 | -1 | 1.117 | 32765790 | 7057036 | 72 | 180 | 98014 | | |
| 361.8385 | 35:21 | 35:21 | -1 | 1.117 | 25686546 | 5503478 | 55 | 137 | 100063 | 1.28(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | -1 | 1.129 | 111839851 | 25504910 | 10602 | 26505 | 2406 | | |
| 361.8385 | 35:43 | 35:43 | -1 | 1.129 | 88569114 | 19992004 | 7660 | 19150 | 2610 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:43 | 35:43 | -1 | 1.129 | 111839851 | 25504910 | 10602 | 26505 | 2406 | | |
| 361.8385 | 35:43 | 35:43 | -1 | 1.129 | 88569114 | 19992004 | 7660 | 19150 | 2610 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 36:01 | 36:00 | 0 | 1.138 | 86191027 | 10146702 | 10602 | 26505 | 957 | | |
| 361.8385 | 36:01 | 36:00 | 0 | 1.138 | 68391011 | 7970968 | 7660 | 19150 | 1041 | 1.26(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 36:01 | 36:00 | 0 | 1.138 | 86191027 | 10146702 | 10602 | 26505 | 957 | | |
| 361.8385 | 36:01 | 36:00 | 0 | 1.138 | 68391011 | 7970968 | 7660 | 19150 | 1041 | 1.26(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | -1 | 1.148 | 113248573 | 22905230 | 10602 | 26505 | 2160 | | |
| 361.8385 | 36:19 | 36:19 | -1 | 1.148 | 89565092 | 18117060 | 7660 | 19150 | 2365 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:19 | 36:19 | -1 | 1.148 | 113248573 | 22905230 | 10602 | 26505 | 2160 | | |
| 361.8385 | 36:19 | 36:19 | -1 | 1.148 | 89565092 | 18117060 | 7660 | 19150 | 2365 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:30 | 36:31 | -1 | 1.154 | 46589742 | 9902478 | 10602 | 26505 | 934 | | |
| 361.8385 | 36:30 | 36:31 | -1 | 1.154 | 36894731 | 7834972 | 7660 | 19150 | 1023 | 1.26(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:40 | 36:40 | 0 | 1.159 | 46586914 | 10171278 | 10602 | 26505 | 959 | | |
| 361.8385 | 36:40 | 36:40 | 0 | 1.159 | 36820431 | 7934346 | 7660 | 19150 | 1036 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:58 | 36:58 | -1 | 1.168 | 44685919 | 9561229 | 10602 | 26505 | 902 | | |
| 361.8385 | 36:58 | 36:58 | -1 | 1.168 | 35440169 | 7544819 | 7660 | 19150 | 985 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:29 | 37:29 | -1 | 1.184 | 47686547 | 9847377 | 10602 | 26505 | 929 | | |
| 361.8385 | 37:29 | 37:29 | -1 | 1.184 | 38005988 | 7861190 | 7660 | 19150 | 1026 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:53 | 37:53 | 0 | 0.881 | 58829155 | 12448654 | 10602 | 26505 | 1174 | | |
| 361.8385 | 37:53 | 37:53 | 0 | 0.881 | 47140439 | 9917636 | 7660 | 19150 | 1295 | 1.25(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:08 | 38:08 | -1 | 0.887 | 52889226 | 11286158 | 10602 | 26505 | 1065 | | |
| 361.8385 | 38:08 | 38:08 | -1 | 0.887 | 42545930 | 9066436 | 7660 | 19150 | 1184 | 1.24(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:16 | 38:16 | -1 | 0.890 | 72614693 | 15918734 | 10602 | 26505 | 1501 | | |
| 361.8385 | 38:16 | 38:16 | -1 | 0.890 | 57371249 | 12603588 | 7660 | 19150 | 1645 | 1.27(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.902 | 136512023 | 21707662 | 10602 | 26505 | 2048 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.902 | 108723686 | 17253828 | 7660 | 19150 | 2252 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.902 | 136512023 | 21707662 | 10602 | 26505 | 2048 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.902 | 108723686 | 17253828 | 7660 | 19150 | 2252 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:56 | 38:56 | 0 | 0.906 | 49156975 | 10171022 | 10602 | 26505 | 959 | | |
| 361.8385 | 38:56 | 38:56 | 0 | 0.906 | 38926305 | 8016953 | 7660 | 19150 | 1047 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:21 | 39:20 | 0 | 0.915 | 41618071 | 8577166 | 10602 | 26505 | 809 | | |
| 361.8385 | 39:21 | 39:20 | 0 | 0.915 | 33226490 | 6812191 | 7660 | 19150 | 889 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:34 | 39:35 | -1 | 0.921 | 56546962 | 12106894 | 10602 | 26505 | 1142 | | |
| 361.8385 | 39:34 | 39:35 | -1 | 0.921 | 45037817 | 9581764 | 7660 | 19150 | 1251 | 1.26(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:41 | 39:41 | 0 | 0.923 | 66759498 | 14077582 | 10602 | 26505 | 1328 | | |
| 361.8385 | 39:41 | 39:41 | 0 | 0.923 | 53024750 | 11113924 | 7660 | 19150 | 1451 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | -1 | 0.931 | 253723211 | 33030800 | 10602 | 26505 | 3116 | | M |
| 361.8385 | 40:00 | 40:00 | -1 | 0.931 | 200878217 | 25880922 | 7660 | 19150 | 3379 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | -1 | 0.931 | 253723211 | 33030800 | 10602 | 26505 | 3116 | | M |
| 361.8385 | 40:00 | 40:00 | -1 | 0.931 | 200878217 | 25880922 | 7660 | 19150 | 3379 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | -1 | 0.931 | 253723211 | 33030800 | 10602 | 26505 | 3116 | | M |
| 361.8385 | 40:00 | 40:00 | -1 | 0.931 | 200878217 | 25880922 | 7660 | 19150 | 3379 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 40:00 | 40:00 | -1 | 0.931 | 253723211 | 33030800 | 10602 | 26505 | 3116 | | M |
| 361.8385 | 40:00 | 40:00 | -1 | 0.931 | 200878217 | 25880922 | 7660 | 19150 | 3379 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:23 | 40:23 | -1 | 0.939 | 74037427 | 15052942 | 10602 | 26505 | 1420 | | |
| 361.8385 | 40:23 | 40:23 | -1 | 0.939 | 59220882 | 11970500 | 7660 | 19150 | 1563 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 0 | 0.959 | 130395679 | 25312142 | 10602 | 26505 | 2387 | | |
| 361.8385 | 41:14 | 41:14 | 0 | 0.959 | 103166600 | 19849668 | 7660 | 19150 | 2591 | 1.26(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:14 | 41:14 | 0 | 0.959 | 130395679 | 25312142 | 10602 | 26505 | 2387 | | |
| 361.8385 | 41:14 | 41:14 | 0 | 0.959 | 103166600 | 19849668 | 7660 | 19150 | 2591 | 1.26(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:14 | 42:14 | 0 | 0.983 | 72686933 | 15317902 | 10602 | 26505 | 1445 | | |
| 361.8385 | 42:14 | 42:14 | 0 | 0.983 | 57883011 | 12155332 | 7660 | 19150 | 1587 | 1.26(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:31 | 42:32 | 0 | 0.989 | 72308540 | 14561422 | 10602 | 26505 | 1373 | | |
| 361.8385 | 42:31 | 42:32 | 0 | 0.989 | 58172630 | 11591108 | 7660 | 19150 | 1513 | 1.24(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 43:00 | 43:00 | 0 | 1.001 | 77262444 | 15978894 | 10602 | 26505 | 1507 | | |
| 361.8385 | 43:00 | 43:00 | 0 | 1.001 | 61876266 | 12693444 | 7660 | 19150 | 1657 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | 0 | 1.000 | 150413847 | 23029005 | 10602 | 26505 | 2172 | | |
| 361.8385 | 44:08 | 44:09 | 0 | 1.000 | 119676504 | 18325298 | 7660 | 19150 | 2392 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:08 | 44:09 | 0 | 1.000 | 150413847 | 23029005 | 10602 | 26505 | 2172 | | |
| 361.8385 | 44:08 | 44:09 | 0 | 1.000 | 119676504 | 18325298 | 7660 | 19150 | 2392 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:23 | 47:23 | 0 | 1.001 | 65585003 | 12765882 | 10602 | 26505 | 1204 | | |
| 361.8385 | 47:23 | 47:23 | 0 | 1.001 | 52126262 | 10197237 | 7660 | 19150 | 1331 | 1.26(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:22 | 37:23 | -1 | 0.821 | 2479711 | 525600 | 53 | 132 | 9917 | | |
| 407.8398 | 37:22 | 37:23 | -1 | 0.821 | 2306888 | 479342 | 24 | 60 | 19973 | 1.07(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:32 | 45:32 | 0 | | 1913855 | 386778 | 53 | 132 | 7298 | | |
| 407.8398 | 45:32 | 45:32 | 0 | | 1730350 | 346355 | 24 | 60 | 14431 | 1.11(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:47 | 46:47 | 0 | 1.028 | 1529631 | 304558 | 53 | 132 | 5746 | | |
| 407.8398 | 46:47 | 46:47 | 0 | 1.028 | 1437381 | 278899 | 24 | 60 | 11621 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:54 | 49:54 | 0 | 1.096 | 3072519 | 602121 | 406 | 1015 | 1483 | | |
| 407.8398 | 49:54 | 49:54 | 0 | 1.096 | 2907046 | 562269 | 355 | 887 | 1584 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:24 | 37:24 | -1 | 1.001 | 60282749 | 13143182 | 124 | 310 | 105993 | | |
| 395.7995 | 37:24 | 37:24 | -1 | 1.001 | 57645352 | 12501362 | 57 | 142 | 219322 | 1.05(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:43 | 37:44 | -1 | 1.009 | 52043632 | 11003278 | 124 | 310 | 88736 | | |
| 395.7995 | 37:43 | 37:44 | -1 | 1.009 | 49828821 | 10583410 | 57 | 142 | 185674 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:16 | 38:16 | -1 | 1.024 | 55300374 | 11743630 | 124 | 310 | 94707 | | |
| 395.7995 | 38:16 | 38:16 | -1 | 1.024 | 52751457 | 11273842 | 57 | 142 | 197787 | 1.05(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:37 | 38:36 | 0 | 1.033 | 57036929 | 11888782 | 124 | 310 | 95877 | | |
| 395.7995 | 38:37 | 38:36 | 0 | 1.033 | 54631346 | 11345778 | 57 | 142 | 199049 | 1.04(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:04 | 39:04 | 0 | 1.045 | 53588318 | 11130484 | 124 | 310 | 89762 | | |
| 395.7995 | 39:03 | 39:04 | -1 | 1.045 | 51518732 | 10758258 | 57 | 142 | 188741 | 1.04(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:27 | 40:27 | -1 | 1.082 | 38265297 | 7817818 | 124 | 310 | 63047 | | |
| 395.7995 | 40:27 | 40:27 | -1 | 1.082 | 36532779 | 7445178 | 57 | 142 | 130617 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:05 | 41:05 | 0 | 1.099 | 40119061 | 8408160 | 124 | 310 | 67808 | | |
| 395.7995 | 41:05 | 41:05 | 0 | 1.099 | 38267700 | 8118418 | 57 | 142 | 142428 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:21 | 41:22 | 0 | 1.107 | 41156532 | 8483936 | 124 | 310 | 68419 | | |
| 395.7995 | 41:21 | 41:22 | 0 | 1.107 | 39616932 | 8208665 | 57 | 142 | 144012 | 1.04(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:34 | 41:34 | 0 | 1.112 | 42101749 | 8796512 | 124 | 310 | 70940 | | |
| 395.7995 | 41:34 | 41:34 | 0 | 1.112 | 40138255 | 8364424 | 57 | 142 | 146744 | 1.05(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:58 | 41:59 | 0 | 1.123 | 85324184 | 9234035 | 124 | 310 | 74468 | | M |
| 395.7995 | 41:58 | 41:59 | 0 | 1.123 | 81512560 | 8850913 | 57 | 142 | 155279 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:58 | 41:59 | 0 | 1.123 | 85324184 | 9234035 | 124 | 310 | 74468 | | M |
| 395.7995 | 41:58 | 41:59 | 0 | 1.123 | 81512560 | 8850913 | 57 | 142 | 155279 | 1.05(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | a |
| 393.8025 | 42:12 | 42:12 | 0 | 1.129 | 36362267 | 7321225 | 124 | 310 | 59042 | | a |
| 395.7995 | 42:12 | 42:12 | 0 | 1.129 | 34686181 | 6899970 | 57 | 142 | 121052 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:38 | 42:39 | 0 | 1.141 | 34410751 | 6997597 | 124 | 310 | 56432 | | |
| 395.7995 | 42:38 | 42:39 | 0 | 1.141 | 33206319 | 6813467 | 57 | 142 | 119535 | 1.04(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:02 | 43:02 | 0 | 1.151 | 42259265 | 8484960 | 124 | 310 | 68427 | | |
| 395.7995 | 43:02 | 43:02 | 0 | 1.151 | 40461758 | 8189676 | 57 | 142 | 143679 | 1.04(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:15 | 43:16 | 0 | 1.157 | 74546325 | 13484128 | 124 | 310 | 108743 | | |
| 395.7995 | 43:15 | 43:16 | 0 | 1.157 | 71663348 | 12883570 | 57 | 142 | 226028 | 1.04(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:15 | 43:16 | 0 | 1.157 | 74546325 | 13484128 | 124 | 310 | 108743 | | |
| 395.7995 | 43:15 | 43:16 | 0 | 1.157 | 71663348 | 12883570 | 57 | 142 | 226028 | 1.04(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:54 | 44:54 | -1 | 0.900 | 35949830 | 7351451 | 124 | 310 | 59286 | | |
| 395.7995 | 44:54 | 44:54 | -1 | 0.900 | 34575990 | 7034289 | 57 | 142 | 123409 | 1.04(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:10 | 45:11 | -1 | 0.905 | 47968287 | 9887328 | 124 | 310 | 79737 | | |
| 395.7995 | 45:10 | 45:11 | -1 | 0.905 | 46204981 | 9543026 | 57 | 142 | 167422 | 1.04(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 94233188 | 12939104 | 124 | 310 | 104348 | | |
| 395.7995 | 45:30 | 45:30 | 0 | 0.912 | 90691558 | 12511346 | 57 | 142 | 219497 | 1.04(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:30 | 45:30 | 0 | 0.912 | 94233188 | 12939104 | 124 | 310 | 104348 | | |
| 395.7995 | 45:30 | 45:30 | 0 | 0.912 | 90691558 | 12511346 | 57 | 142 | 219497 | 1.04(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:54 | 45:55 | 0 | 0.920 | 51205147 | 10441824 | 124 | 310 | 84208 | | |
| 395.7995 | 45:54 | 45:55 | 0 | 0.920 | 49033590 | 9909106 | 57 | 142 | 173844 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:48 | 46:48 | 0 | 0.938 | 35297629 | 6955894 | 124 | 310 | 56096 | | |
| 395.7995 | 46:48 | 46:48 | 0 | 0.938 | 34105776 | 6715025 | 57 | 142 | 117808 | 1.03(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:20 | 47:20 | 0 | 0.948 | 51870670 | 10337120 | 124 | 310 | 83364 | | |
| 395.7995 | 47:20 | 47:20 | 0 | 0.948 | 49871340 | 9928818 | 57 | 142 | 174190 | 1.04(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:55 | 49:56 | 0 | 1.000 | 77878389 | 15894192 | 2082 | 5205 | 7634 | | |
| 395.7995 | 49:55 | 49:56 | 0 | 1.000 | 73875136 | 15200345 | 1215 | 3037 | 12511 | 1.05(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:45 | 42:45 | 0 | 0.821 | 1709471 | 336234 | 19 | 47 | 17697 | | |
| 441.8008 | 42:45 | 42:45 | 0 | 0.821 | 1876060 | 365482 | 10 | 25 | 36548 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 52:02 | 52:01 | 1 | | 1800646 | 334770 | 178 | 445 | 1881 | | |
| 441.8008 | 52:01 | 52:01 | 0 | | 2001830 | 381717 | 287 | 717 | 1330 | 0.90(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:29 | 52:30 | -1 | 1.009 | 2363045 | 453495 | 178 | 445 | 2548 | | |
| 441.8008 | 52:29 | 52:30 | -1 | 1.009 | 2685946 | 507977 | 287 | 717 | 1770 | 0.88(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:46 | 42:47 | 0 | 1.001 | 33655175 | 6835763 | 48 | 120 | 142412 | | |
| 429.7606 | 42:46 | 42:47 | 0 | 1.001 | 37575302 | 7699325 | 45 | 112 | 171096 | 0.90(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:42 | 43:42 | 0 | 1.022 | 37390848 | 7679520 | 48 | 120 | 159990 | | |
| 429.7606 | 43:42 | 43:42 | 0 | 1.022 | 42007426 | 8751796 | 45 | 112 | 194484 | 0.89(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:23 | 44:23 | -1 | 1.038 | 35056381 | 7162907 | 48 | 120 | 149227 | | |
| 429.7606 | 44:23 | 44:23 | -1 | 1.038 | 39069444 | 8049350 | 45 | 112 | 178874 | 0.90(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:36 | -1 | 1.043 | 37510481 | 7664186 | 48 | 120 | 159671 | | |
| 429.7606 | 44:36 | 44:36 | -1 | 1.043 | 42351998 | 8695220 | 45 | 112 | 193227 | 0.89(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:42 | 44:42 | 0 | 1.046 | 36411318 | 7378244 | 48 | 120 | 153713 | | |
| 429.7606 | 44:42 | 44:42 | 0 | 1.046 | 40596853 | 8311349 | 45 | 112 | 184697 | 0.90(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 0 | 1.111 | 52887860 | 7240655 | 48 | 120 | 150847 | | |
| 429.7606 | 47:30 | 47:30 | 0 | 1.111 | 59348320 | 8174081 | 45 | 112 | 181646 | 0.89(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:30 | 47:30 | 0 | 1.111 | 52887860 | 7240655 | 48 | 120 | 150847 | | |
| 429.7606 | 47:30 | 47:30 | 0 | 1.111 | 59348320 | 8174081 | 45 | 112 | 181646 | 0.89(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:11 | 48:10 | 0 | 0.918 | 26693669 | 5210770 | 48 | 120 | 108558 | | |
| 429.7606 | 48:11 | 48:10 | 0 | 0.918 | 29784419 | 5846090 | 45 | 112 | 129913 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:22 | 48:22 | 0 | 0.922 | 28345124 | 5553056 | 48 | 120 | 115689 | | |
| 429.7606 | 48:22 | 48:22 | 0 | 0.922 | 31506712 | 6206547 | 45 | 112 | 137923 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:41 | 49:42 | 0 | 0.947 | 35860895 | 7183109 | 802 | 2005 | 8956 | | |
| 429.7606 | 49:41 | 49:42 | 0 | 0.947 | 40651991 | 8153557 | 1025 | 2562 | 7955 | 0.88(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:02 | 52:03 | -1 | 0.992 | 42051809 | 8436158 | 802 | 2005 | 10519 | | |
| 429.7606 | 52:02 | 52:03 | -1 | 0.992 | 47675470 | 9625372 | 1025 | 2562 | 9391 | 0.88(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:31 | 52:31 | -1 | 1.000 | 56011313 | 11167558 | 802 | 2005 | 13925 | | |
| 429.7606 | 52:31 | 52:31 | -1 | 1.000 | 63641531 | 12826166 | 1025 | 2562 | 12513 | 0.88(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:26 | 49:26 | 0 | 0.950 | 1934207 | 367135 | 506 | 1265 | 726 | | |
| 475.7619 | 49:26 | 49:26 | 0 | 0.950 | 2419680 | 460035 | 606 | 1515 | 759 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:15 | 54:15 | 0 | 1.043 | 1503004 | 283189 | 506 | 1265 | 560 | | |
| 475.7619 | 54:15 | 54:15 | 0 | 1.043 | 1838295 | 349053 | 606 | 1515 | 576 | 0.82(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:28 | 49:28 | 0 | 1.001 | 41199676 | 8181228 | 1478 | 3695 | 5535 | | |
| 463.7216 | 49:28 | 49:28 | 0 | 1.001 | 54146051 | 10948925 | 1220 | 3050 | 8975 | 0.76(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:24 | 50:24 | 0 | 1.020 | 44168197 | 8838375 | 1478 | 3695 | 5980 | | |
| 463.7216 | 50:24 | 50:24 | 0 | 1.020 | 57700416 | 11662903 | 1220 | 3050 | 9560 | 0.77(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:17 | 54:17 | 0 | 1.000 | 31678627 | 6117176 | 1478 | 3695 | 4139 | | |
| 463.7216 | 54:17 | 54:17 | 0 | 1.000 | 41488260 | 7974396 | 1220 | 3050 | 6536 | 0.76(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:54 | 55:55 | 0 | 1.075 | 1492476 | 269067 | 43 | 107 | 6257 | | |
| 509.7229 | 55:54 | 55:55 | 0 | 1.075 | 2043683 | 366548 | 55 | 137 | 6665 | 0.73(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:56 | 55:56 | 0 | 1.000 | 33602475 | 6002333 | 30 | 75 | 200078 | | |
| 497.6826 | 55:56 | 55:56 | 0 | 1.000 | 49138535 | 8820949 | 26 | 65 | 339267 | 0.68(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags
M - Manually Integrated
a - User Assigned ID

## Reagents:

61L51668P_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville

| | | | |
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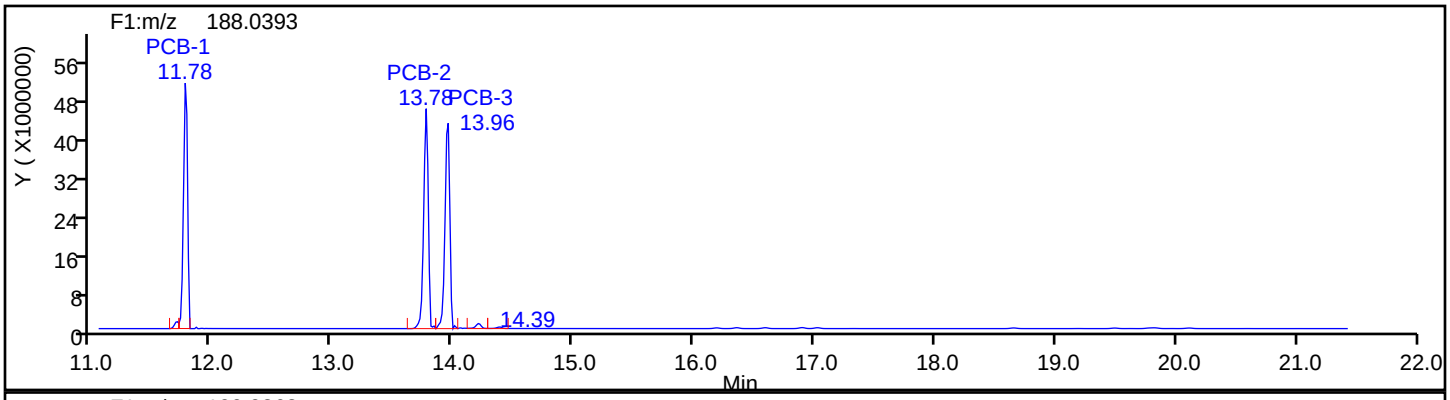
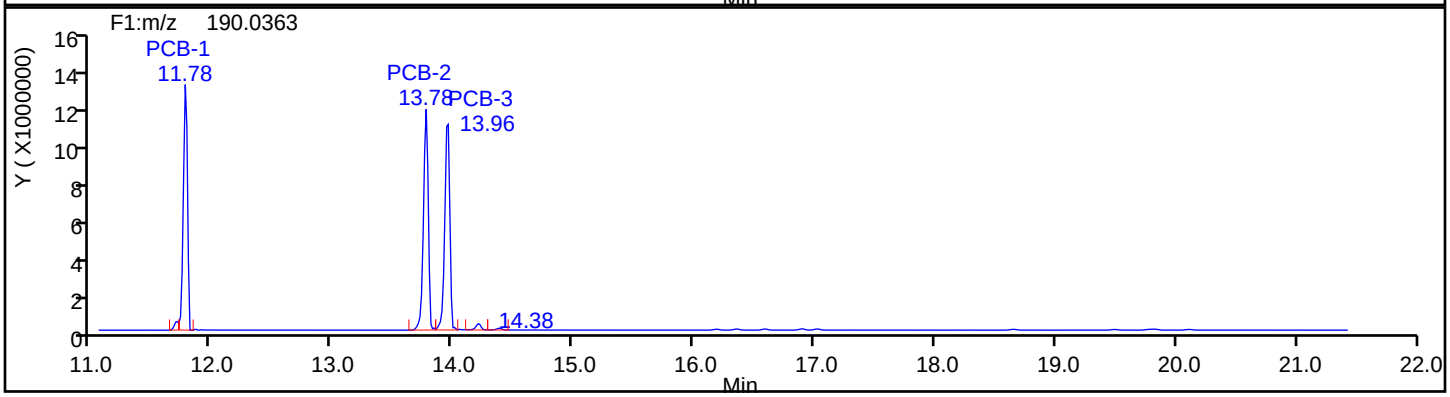
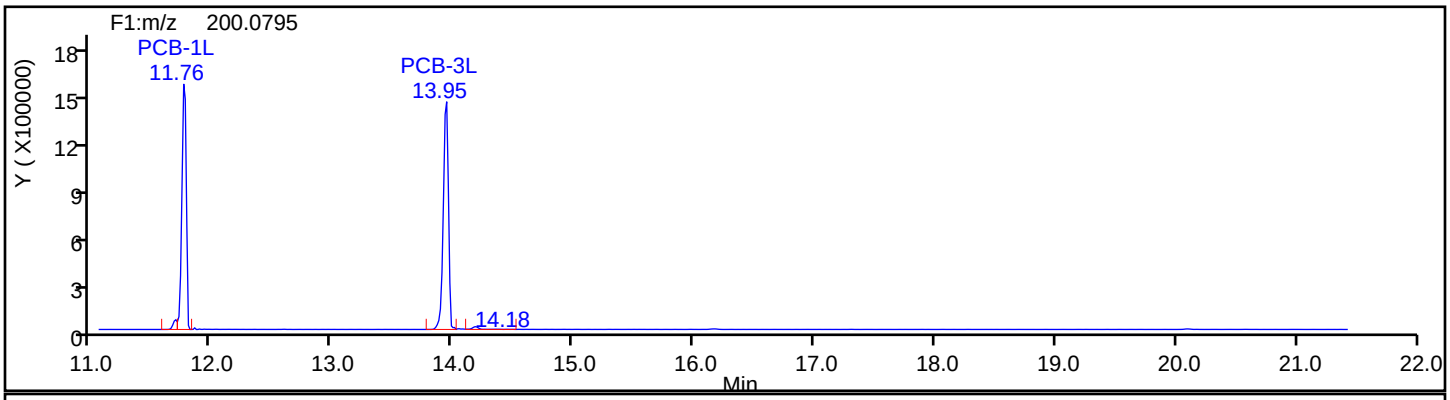
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

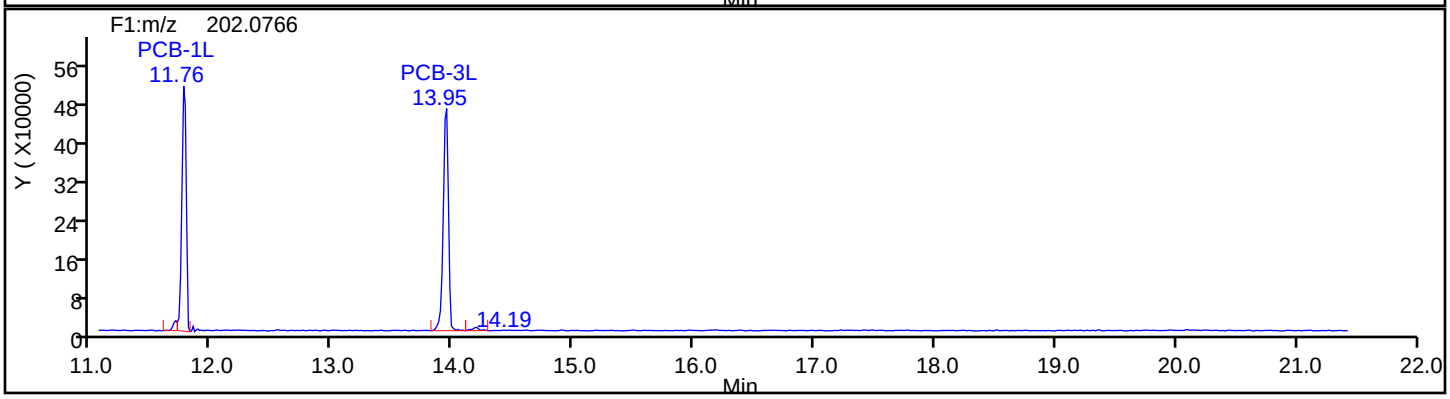
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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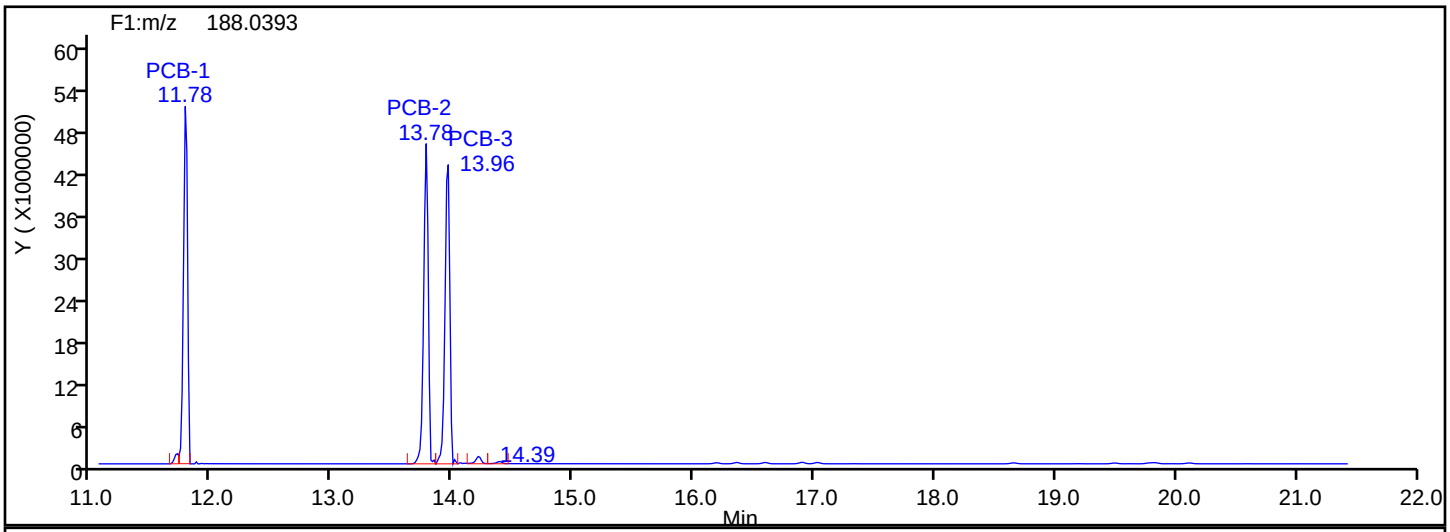
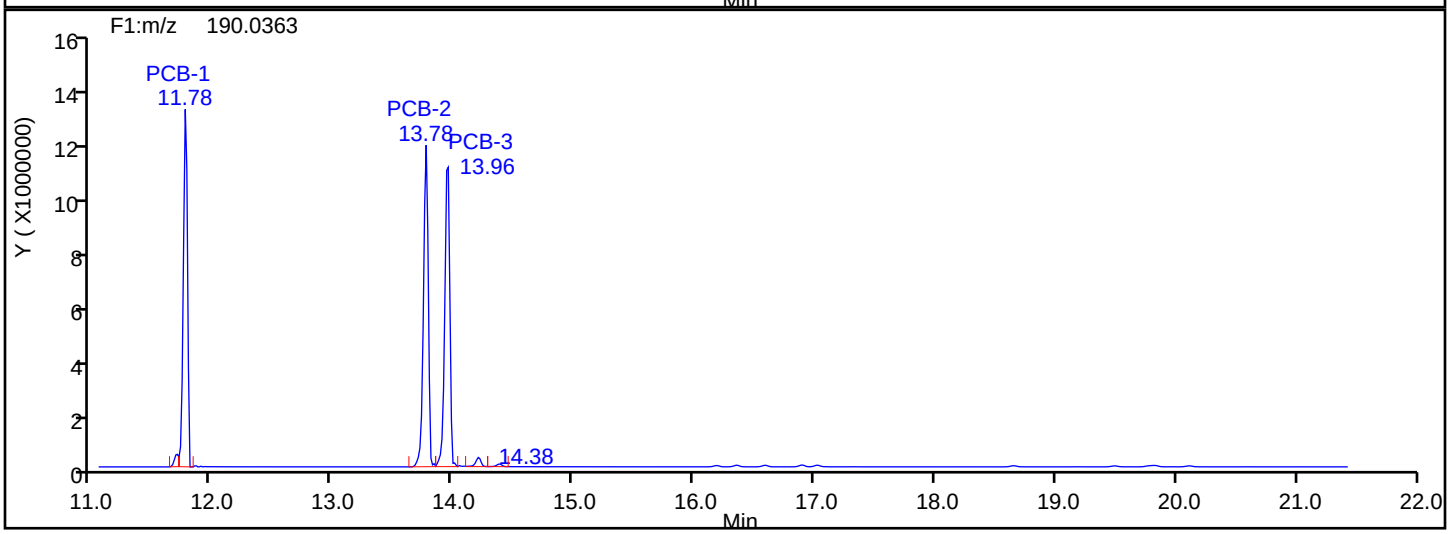
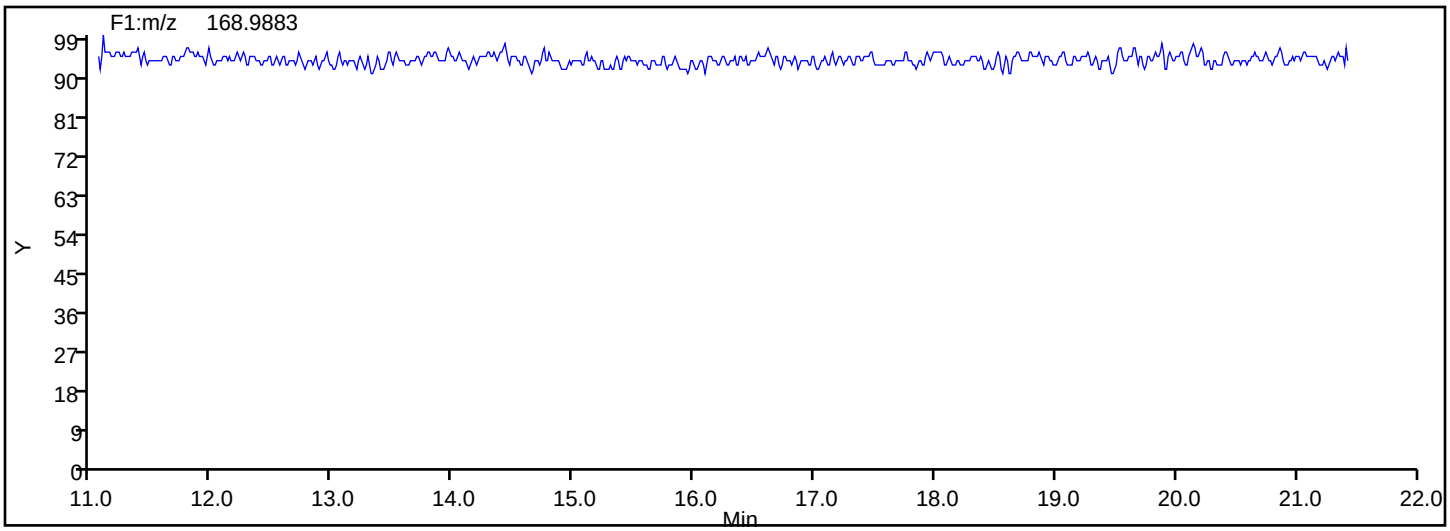
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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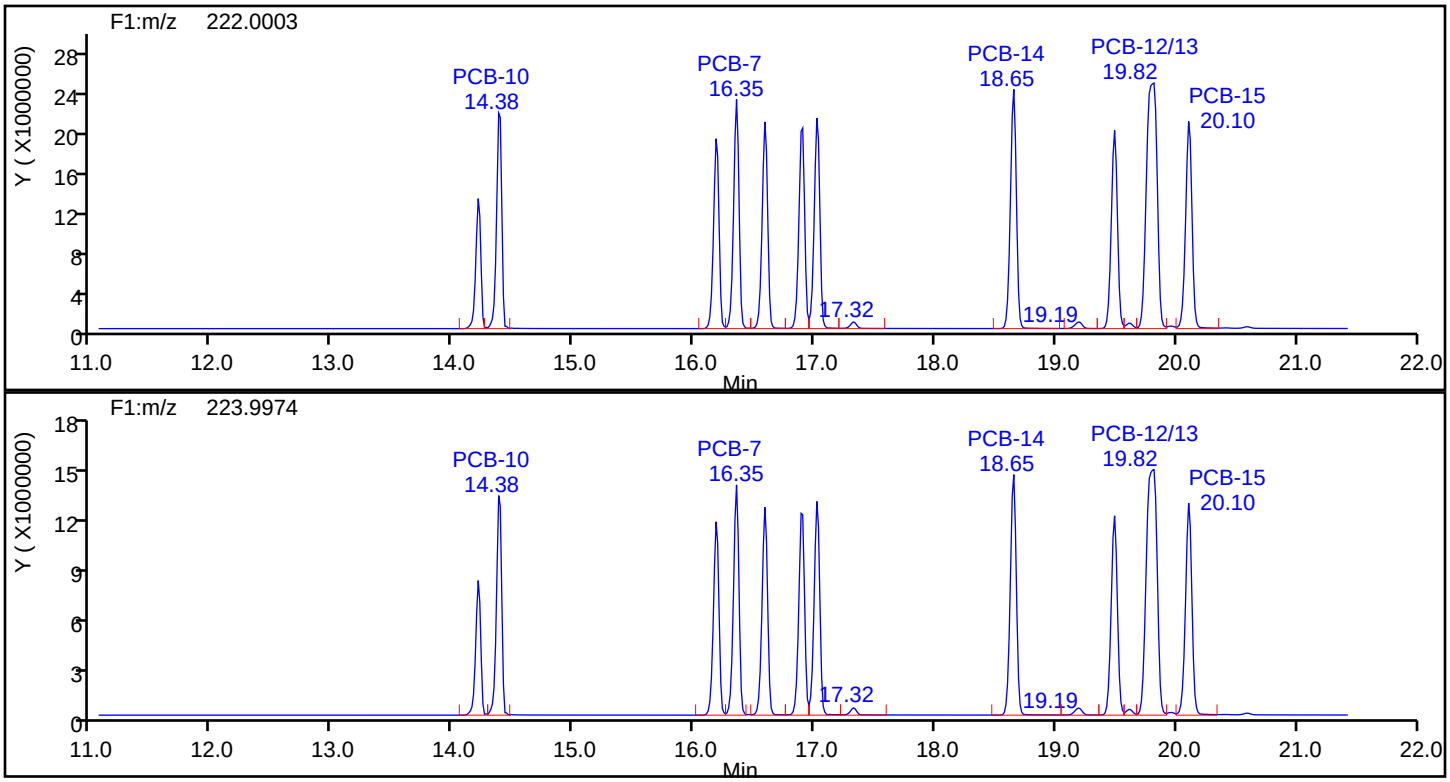
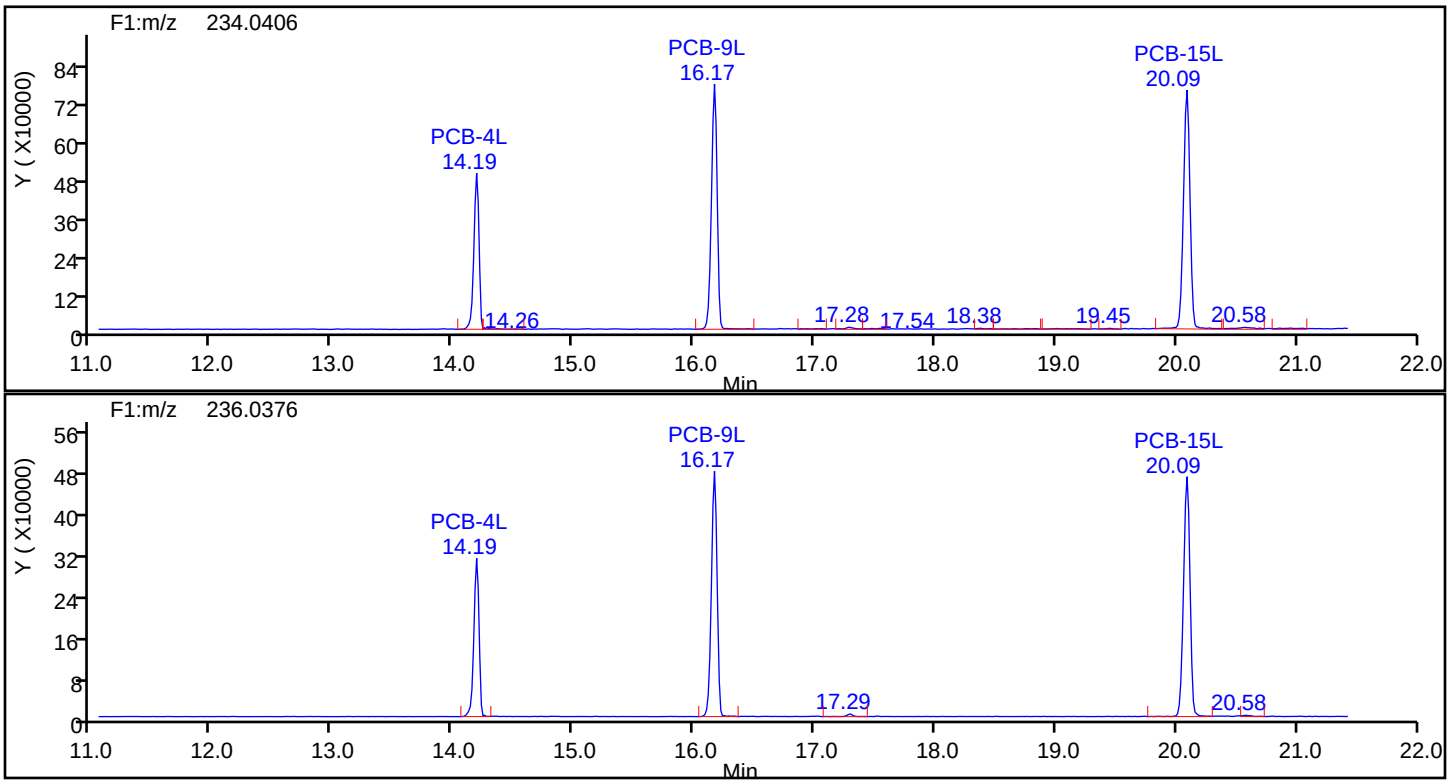
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
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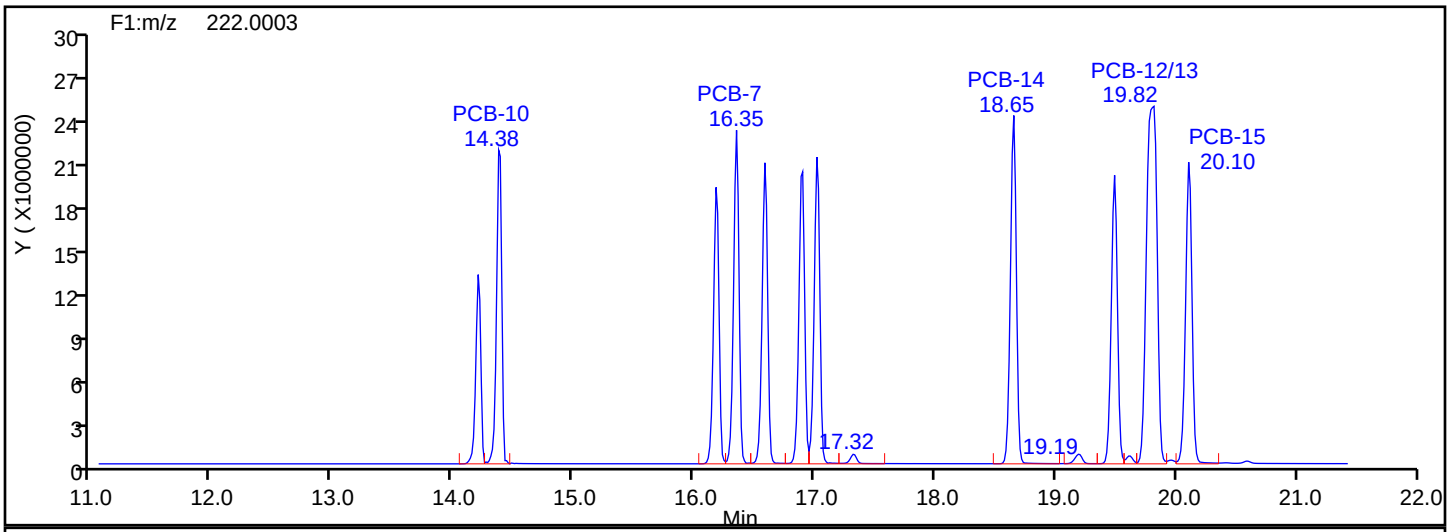
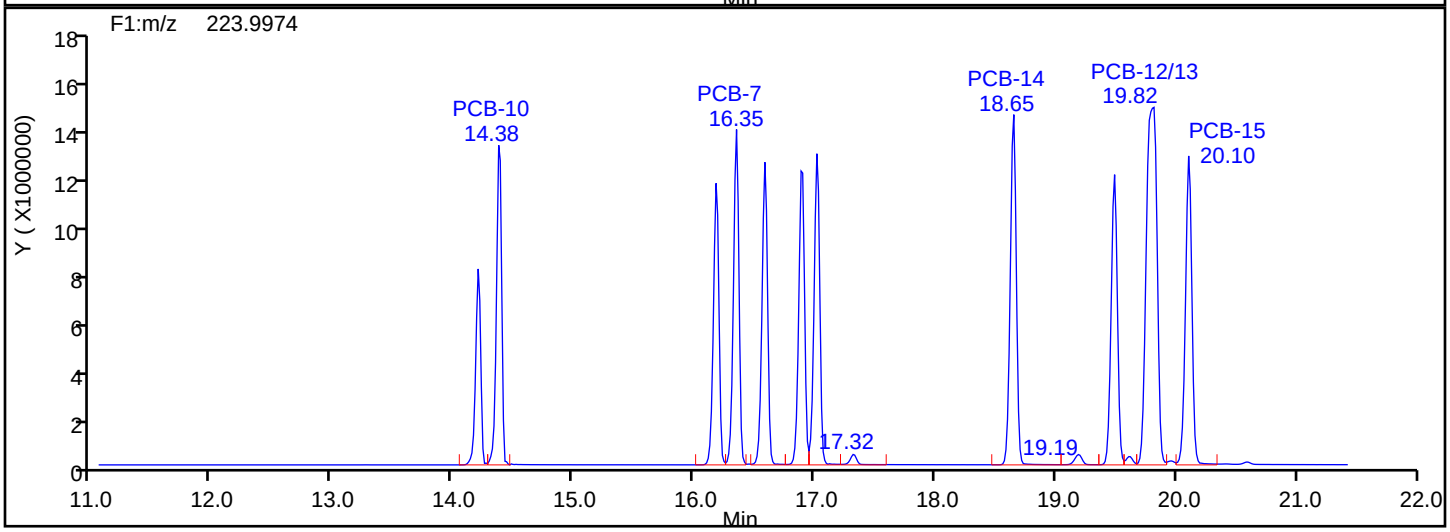
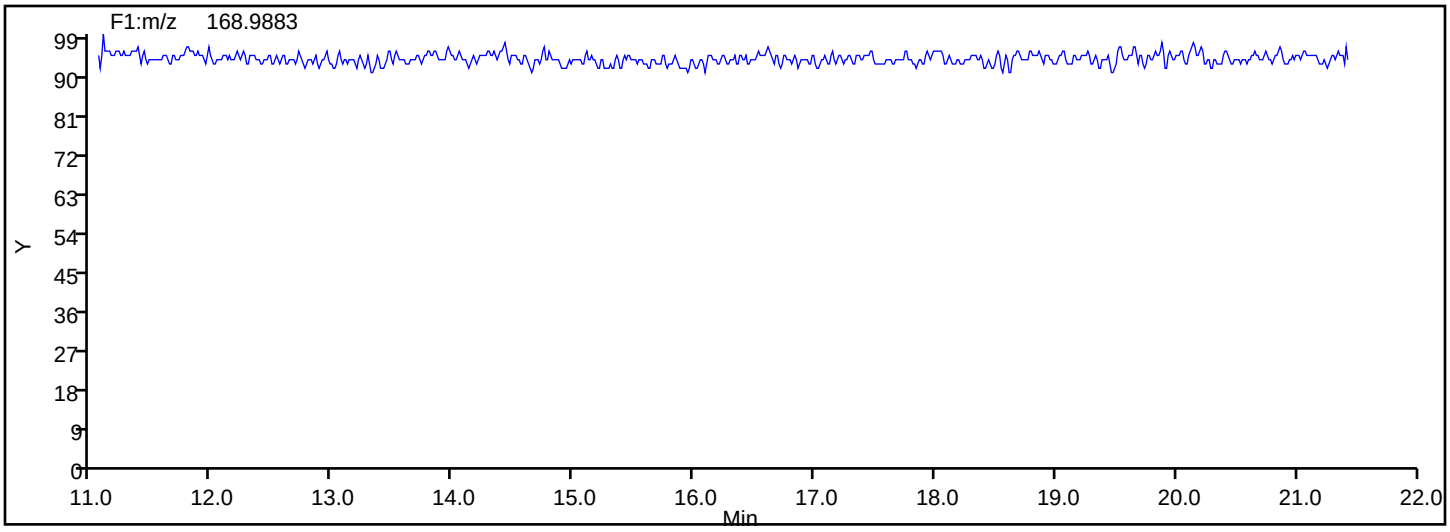
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Report Date: 30-Aug-2019 11:38:50 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

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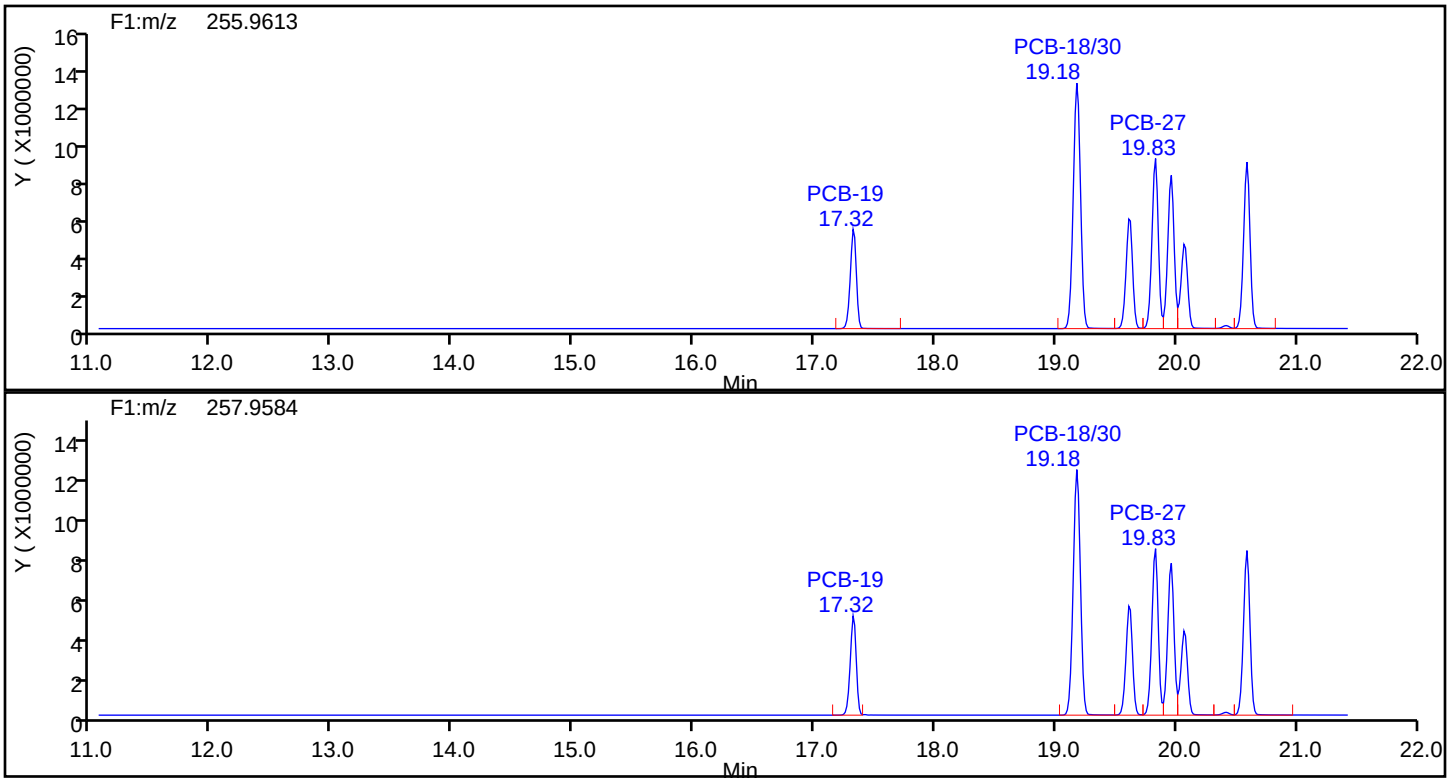
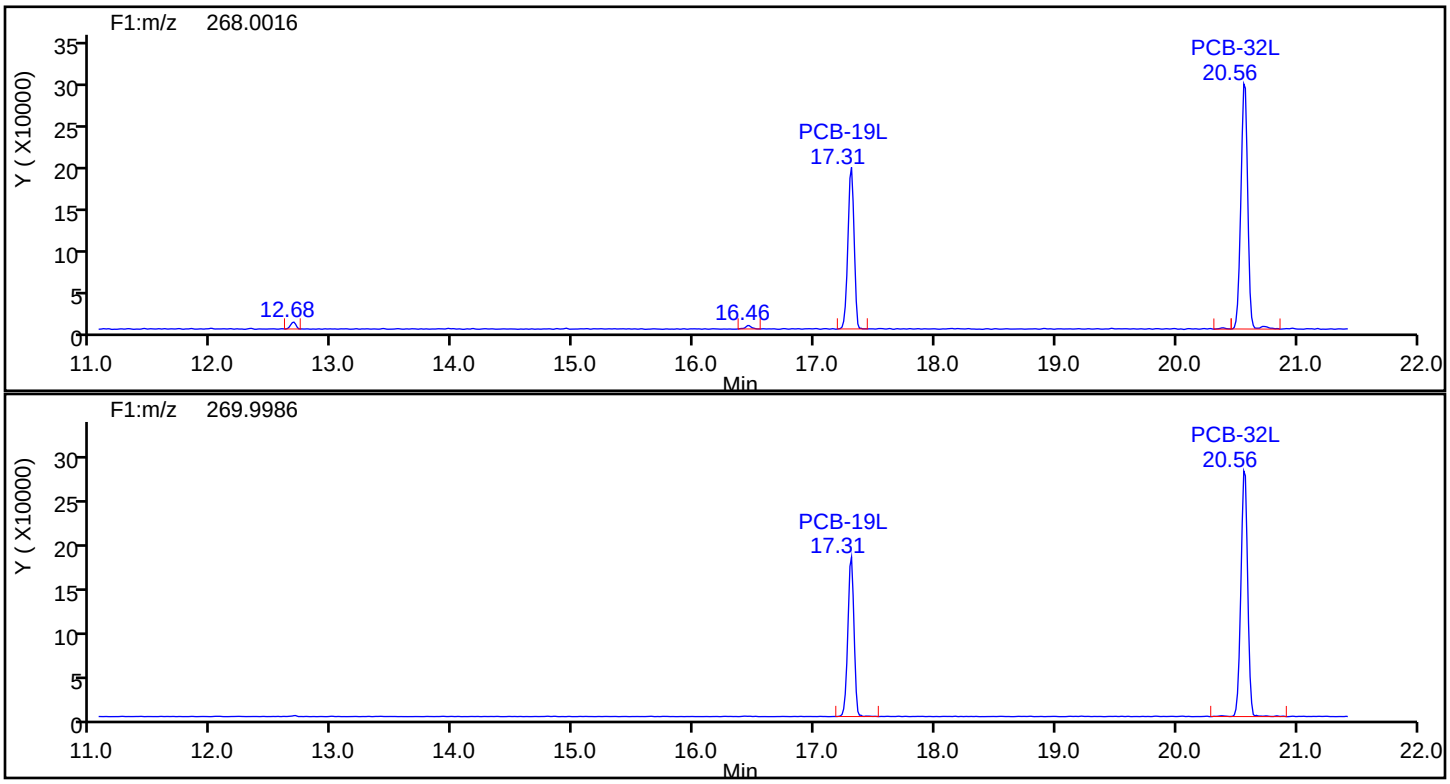
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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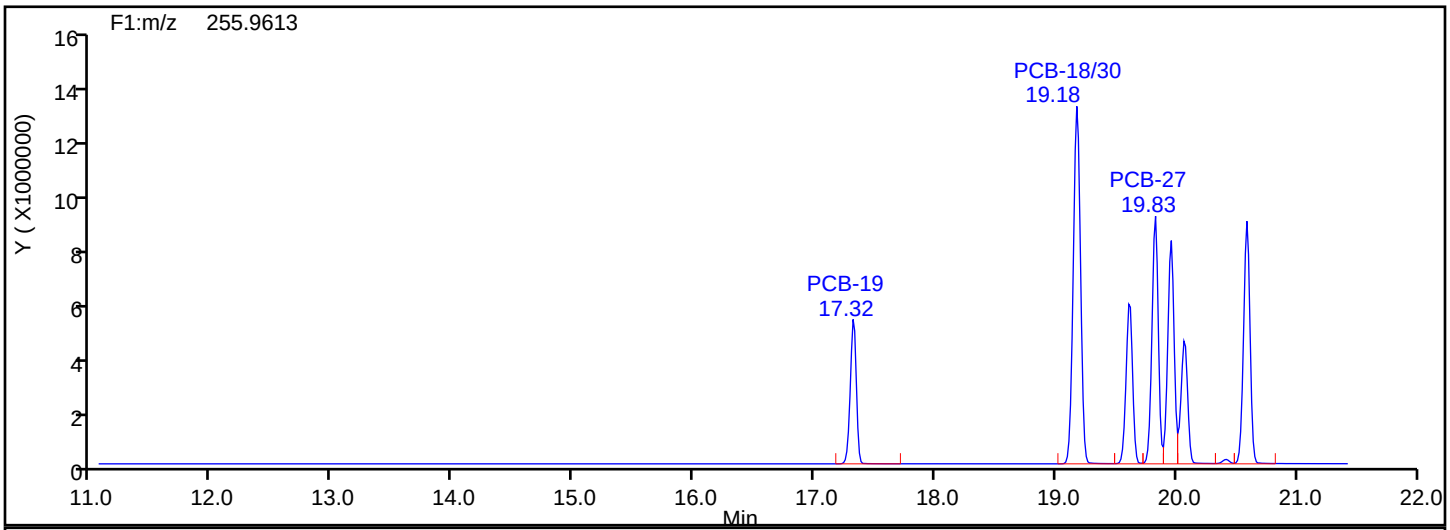
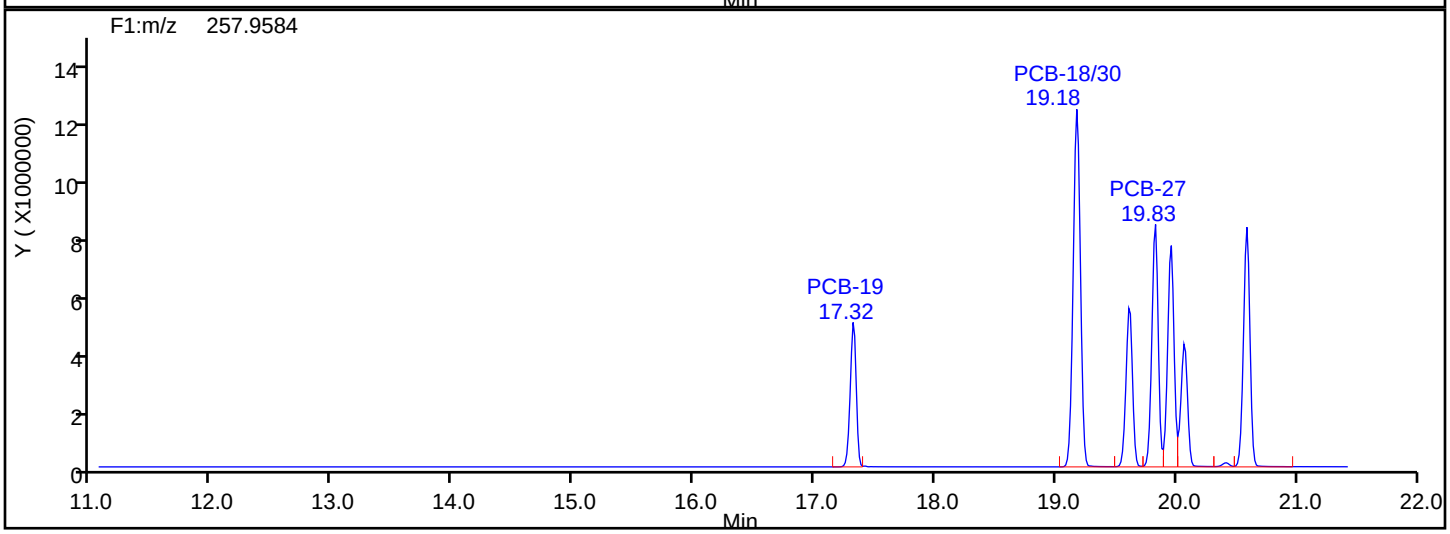
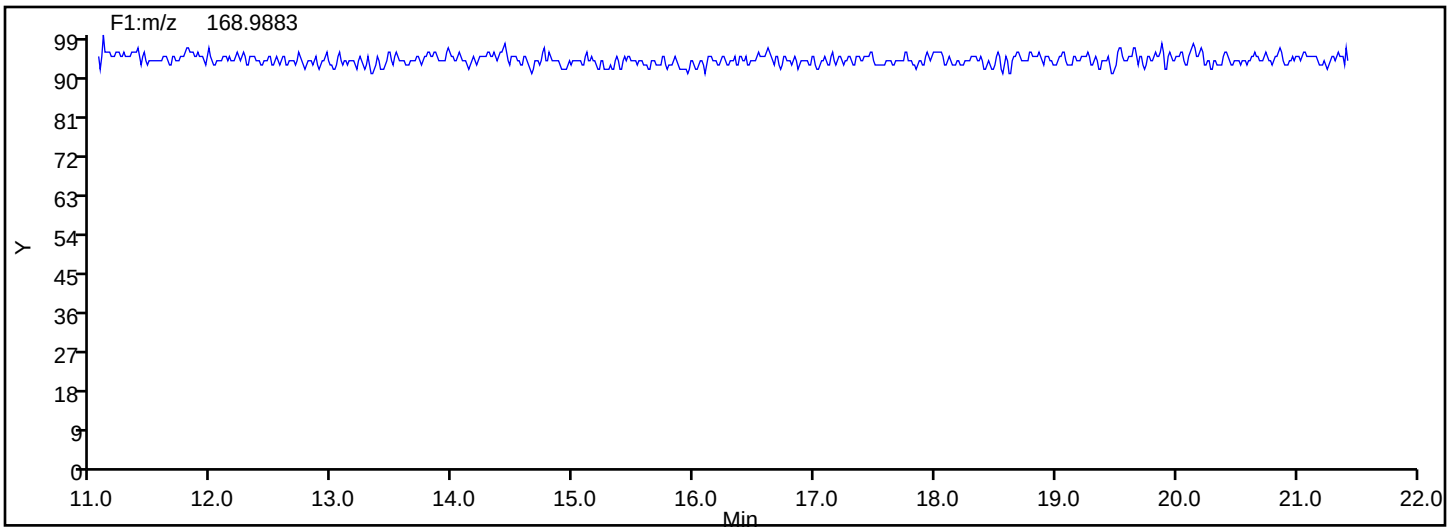
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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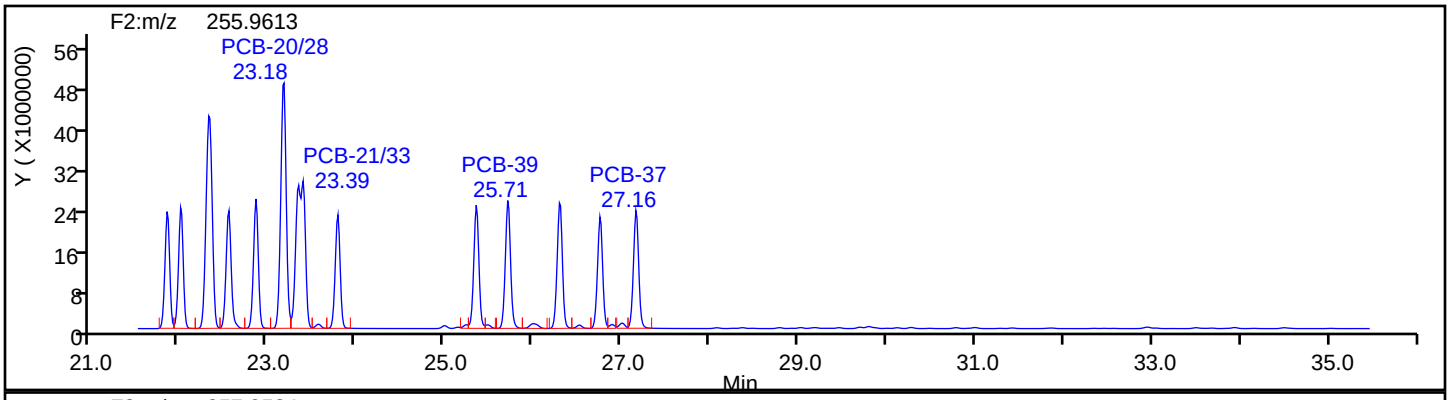
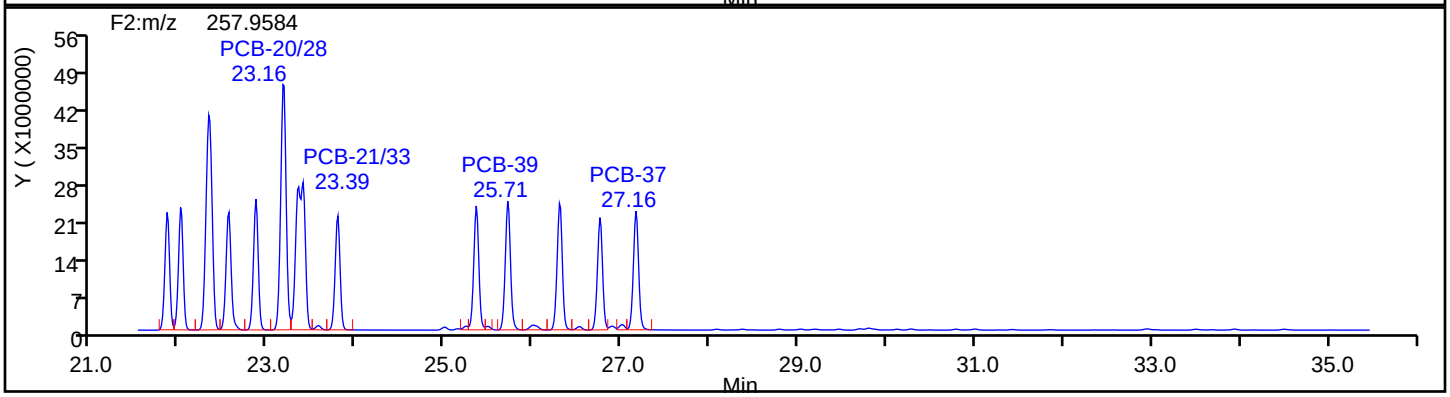
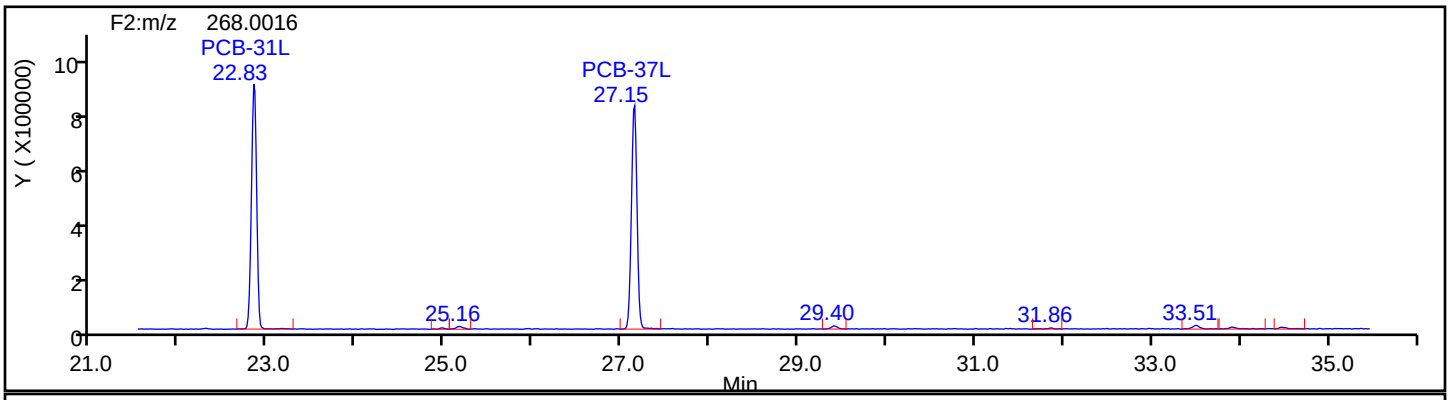
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

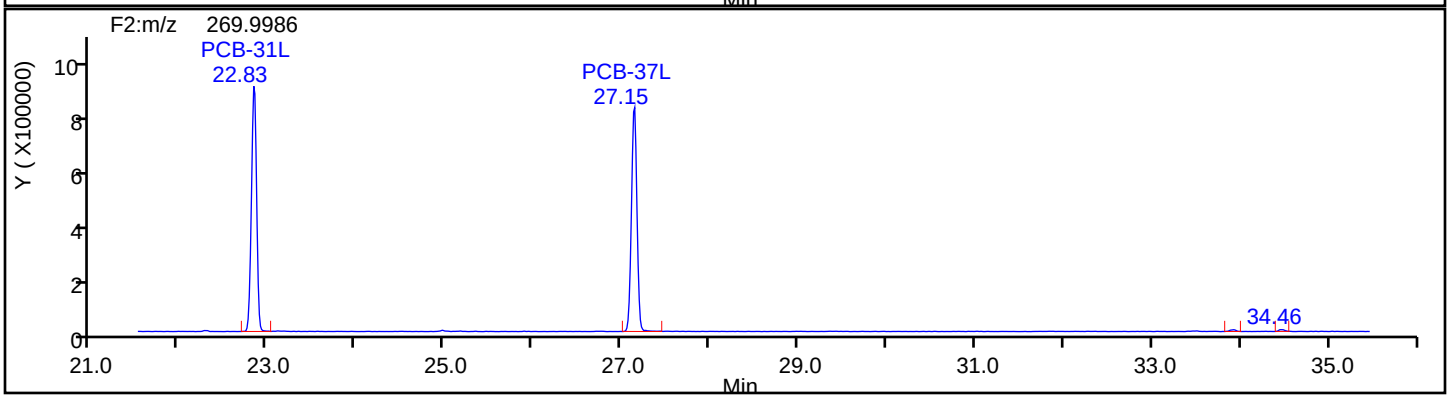
TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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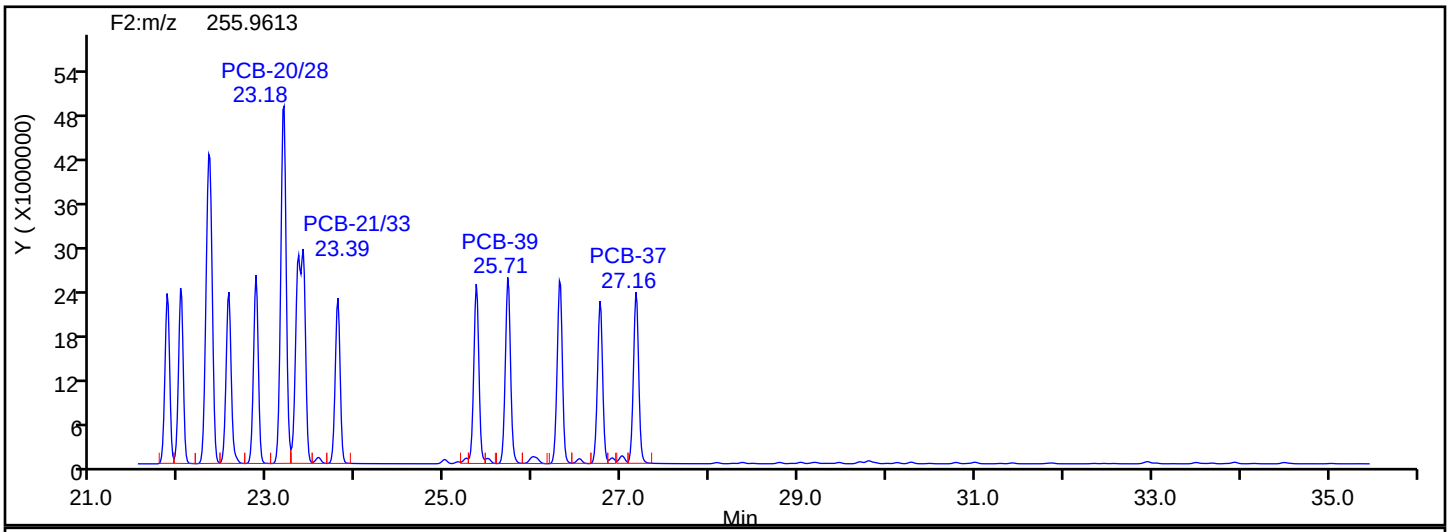
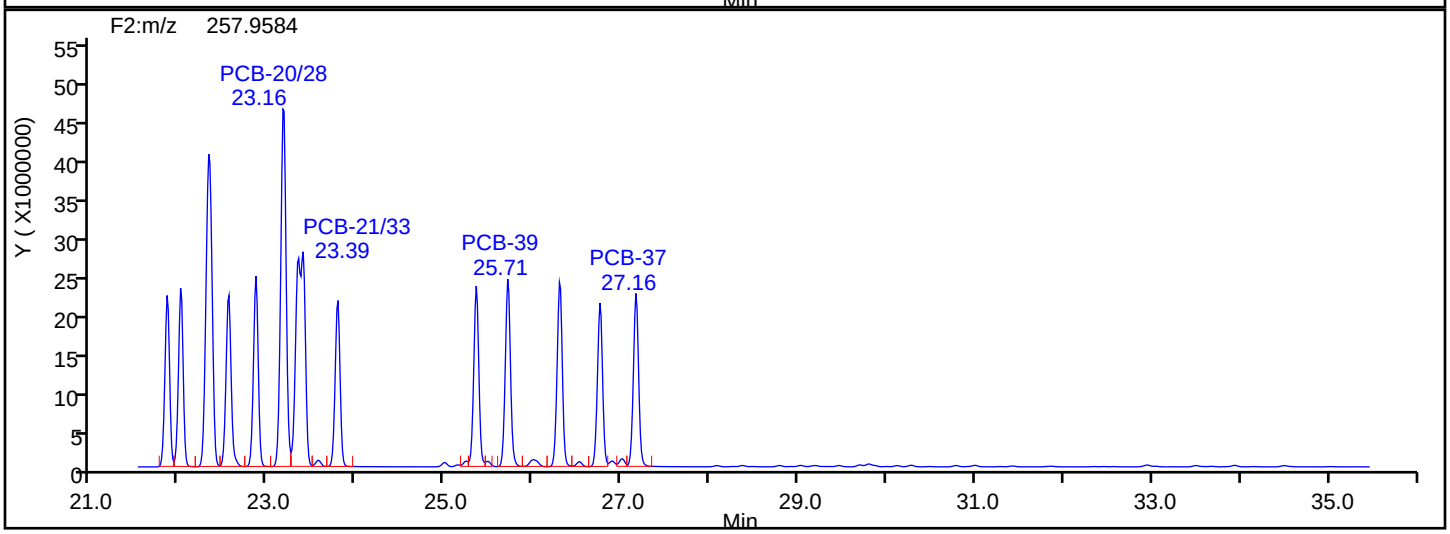
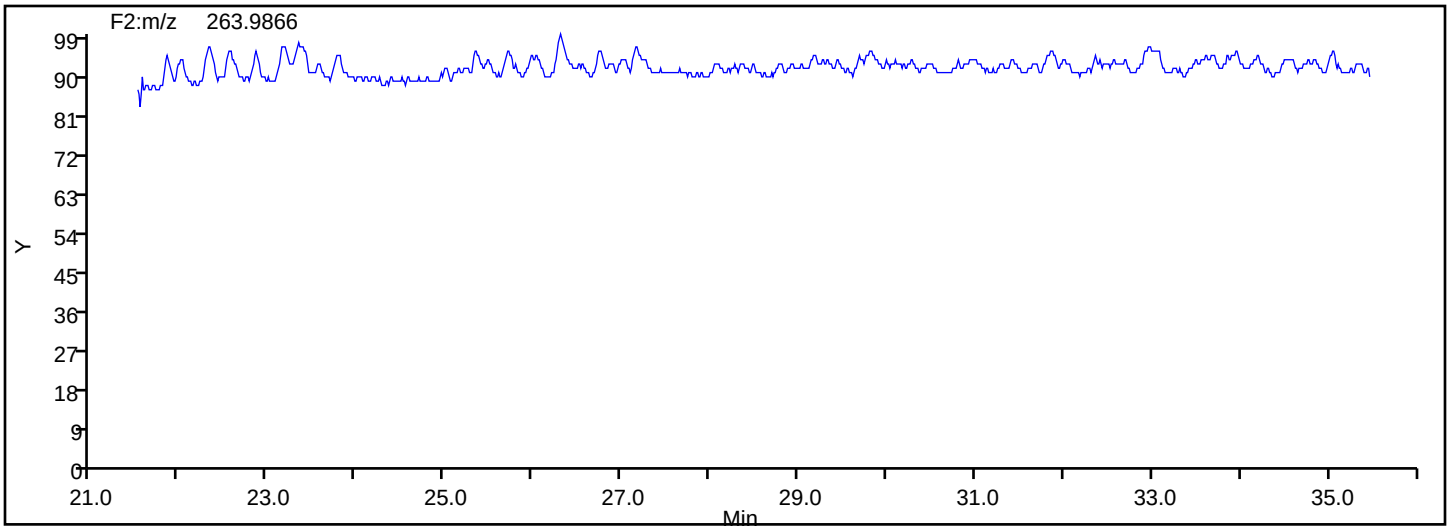
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

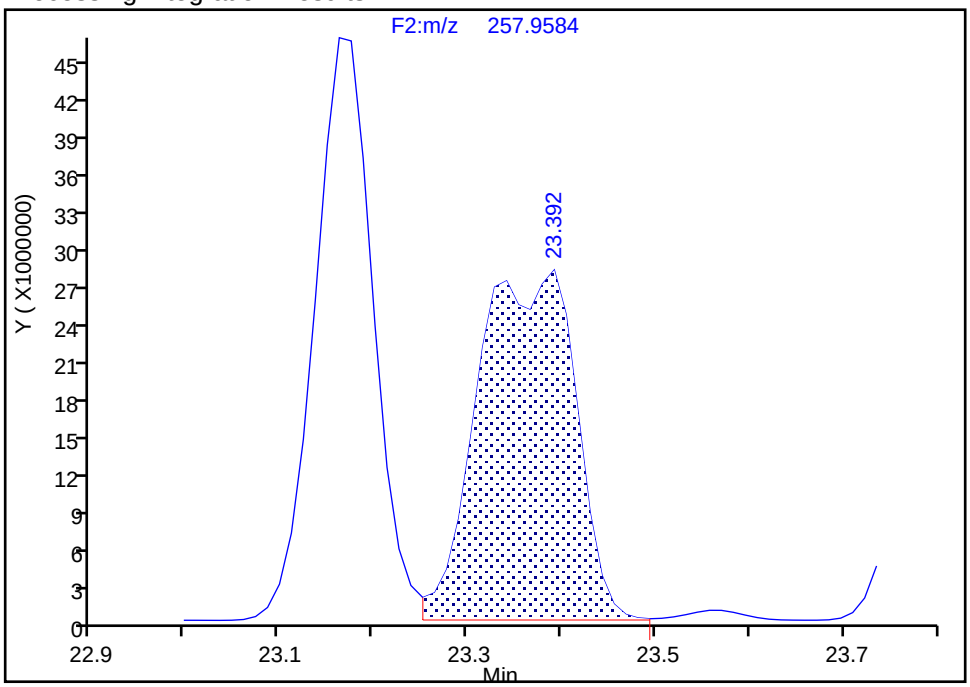
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 2

Processing Integration Results

RT: 23.39
Area: 199999098
Amount: 4218.3168
Amount Units: pg/ul




Manual Integration Results

RT: 23.39
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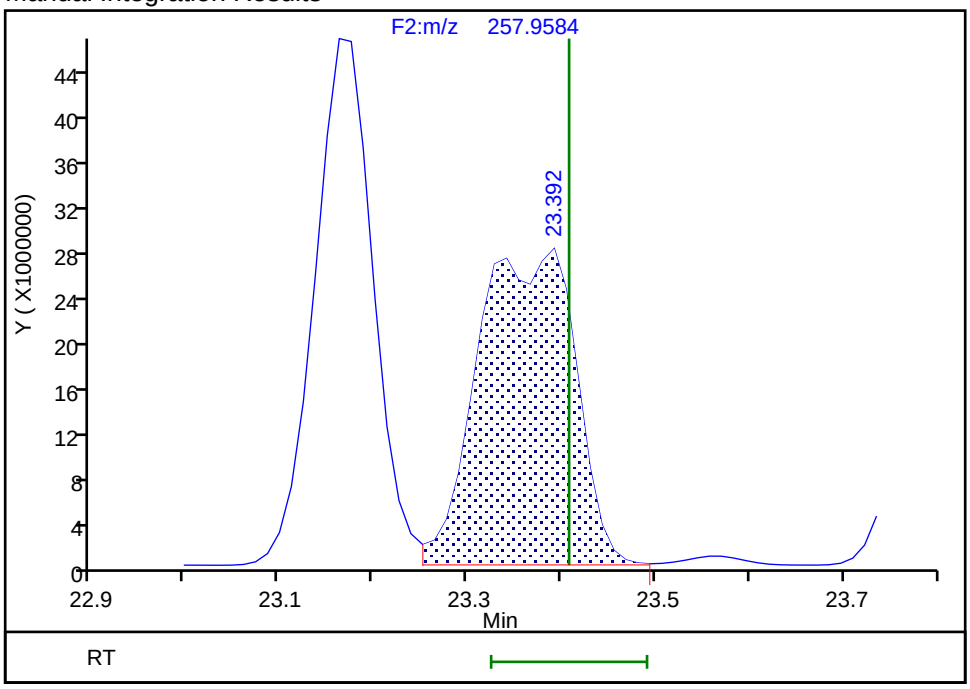
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 3

Processing Integration Results

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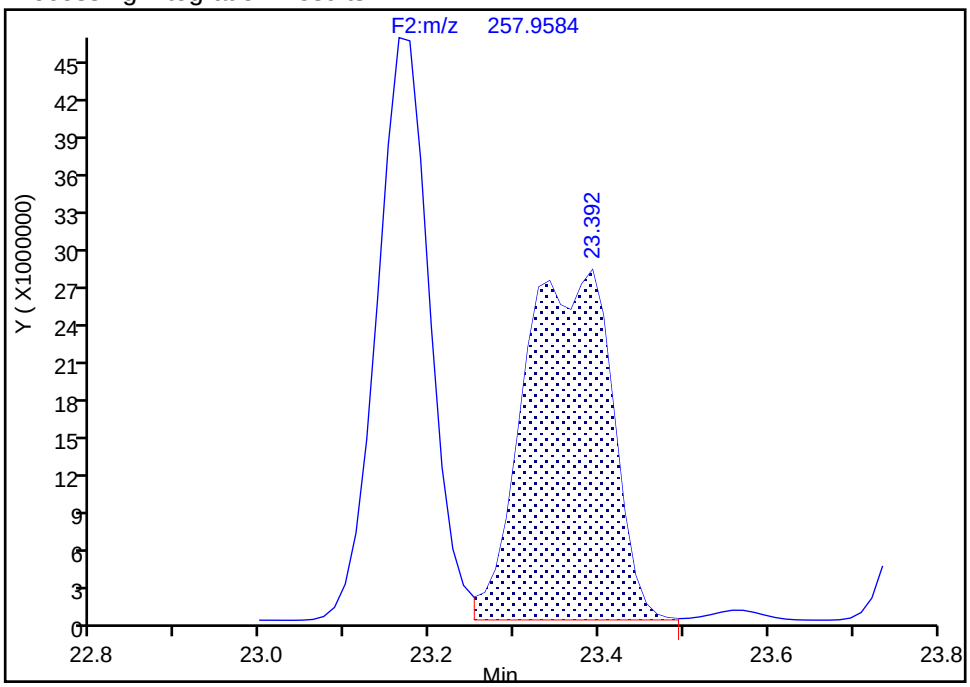
Amount Units: pg/ul




Manual Integration Results

RT: 23.39
Area: 411528332
Amount: 4188.8779
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:42:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

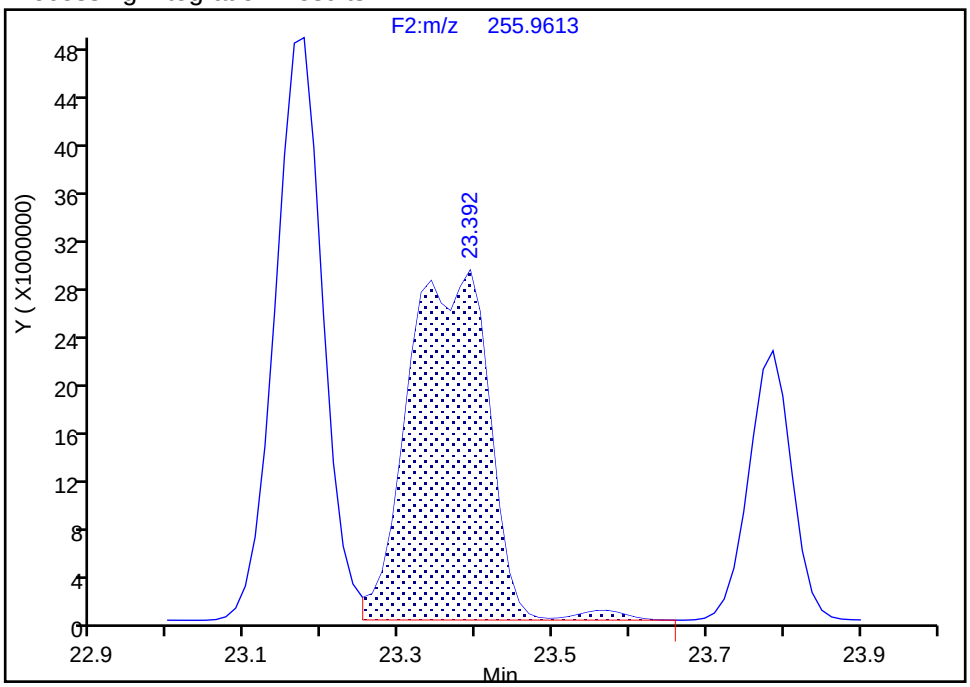
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 1

Processing Integration Results

RT: 23.39
Area: 215038144
Amount: 4218.3168
Amount Units: pg/ul




Manual Integration Results

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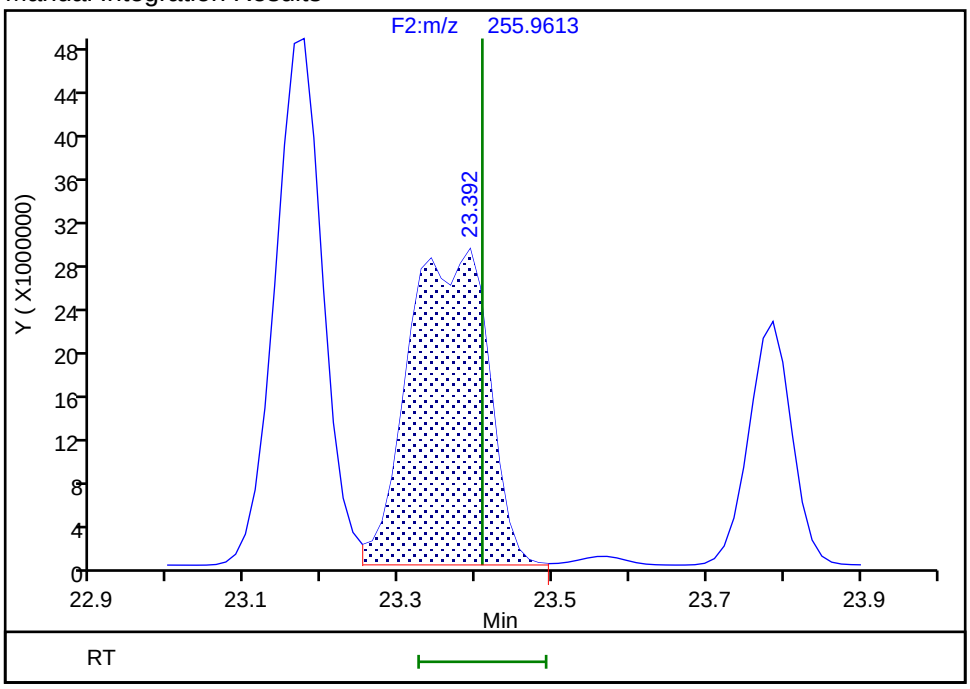
Amount: 4188.8779
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:06
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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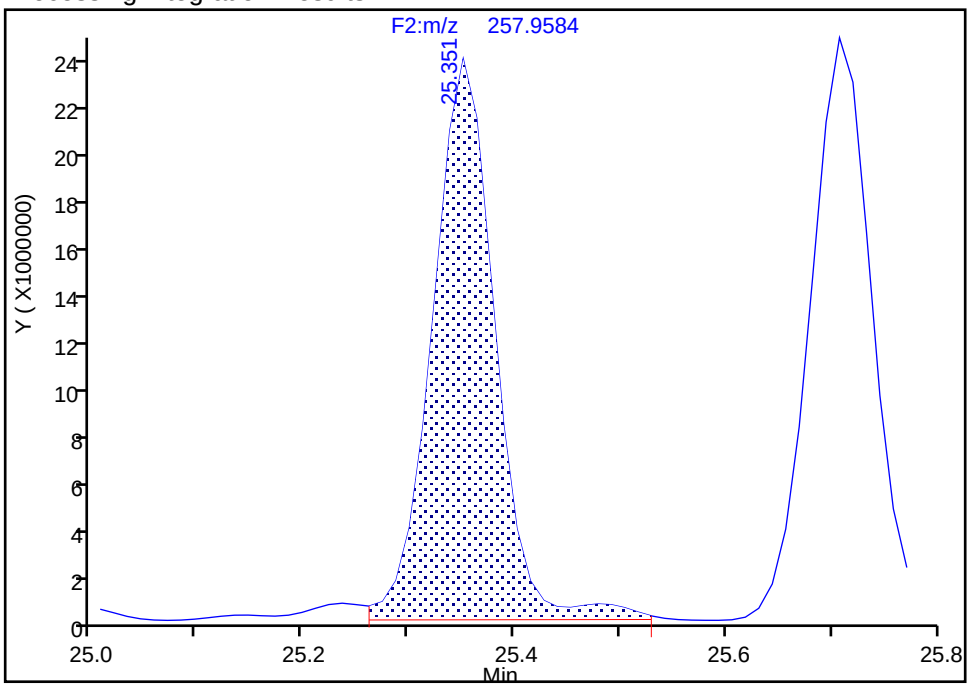
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 2

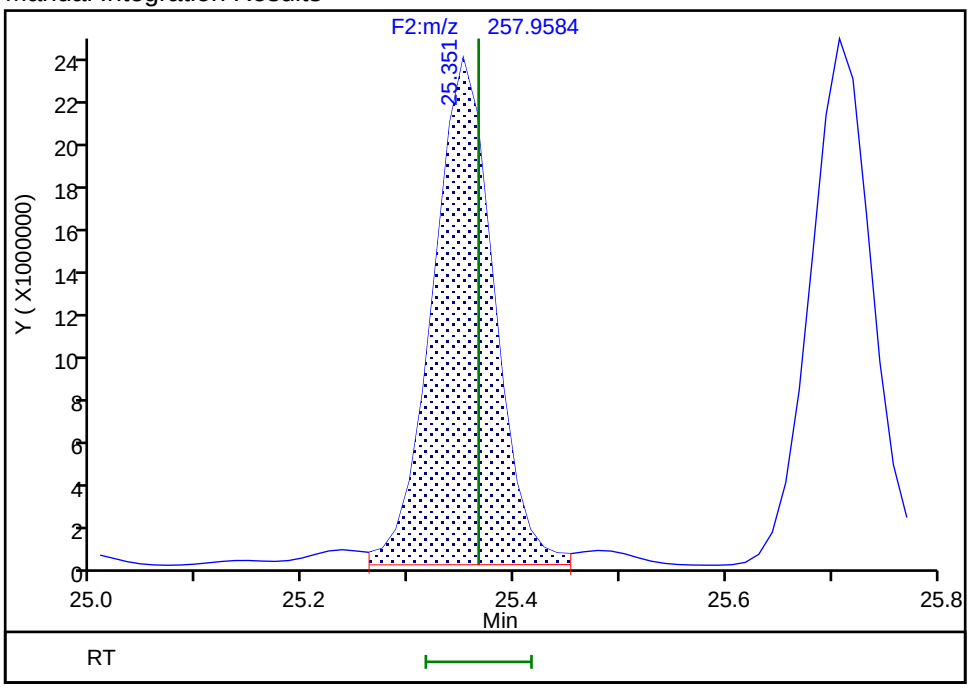
Processing Integration Results

RT: 25.35
Area: 95890320
Amount: 2054.1390
Amount Units: pg/ul




Manual Integration Results

RT: 25.35
Area: 93617586
Amount: 2011.5057
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

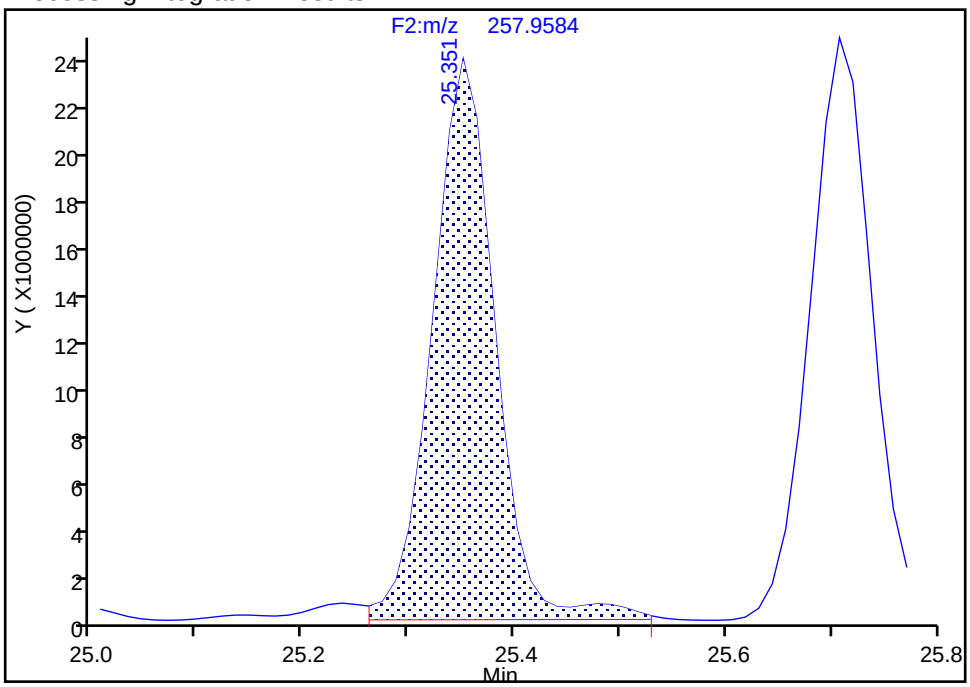
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 3

Processing Integration Results

RT: 25.35
Area: 198137413
Amount: 2054.1390
Amount Units: pg/ul




Manual Integration Results

RT: 25.35
Area: 193196963
Amount: 2011.5057
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:42:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

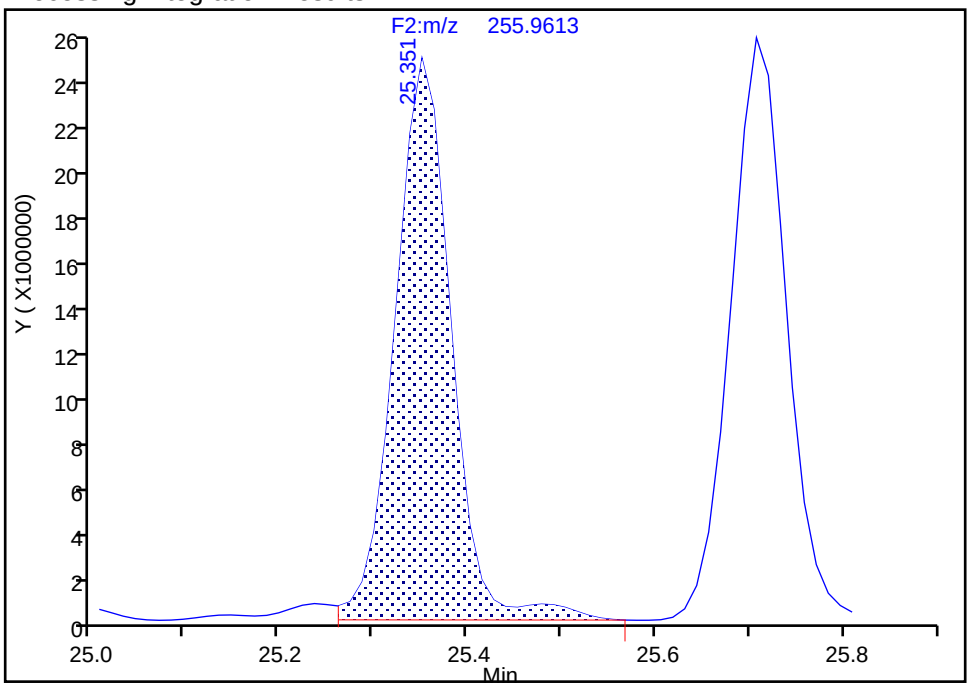
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-36, CAS: 38444-87-0

Signal: 1

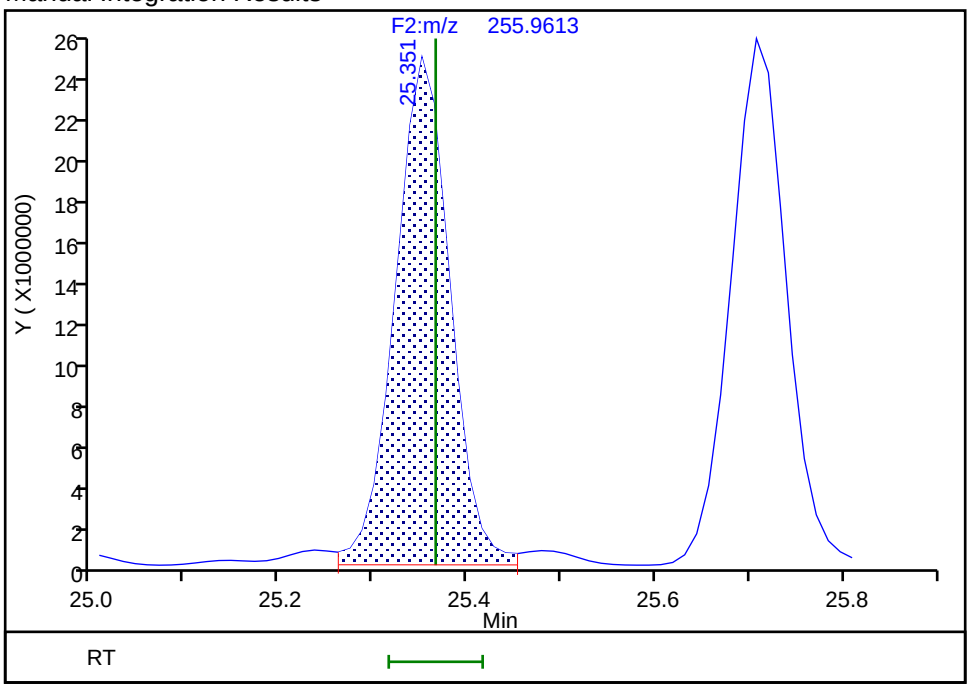
Processing Integration Results

RT: 25.35
Area: 102247093
Amount: 2054.1390
Amount Units: pg/ul




Manual Integration Results

RT: 25.35
Area: 99579377
Amount: 2011.5057
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:22
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

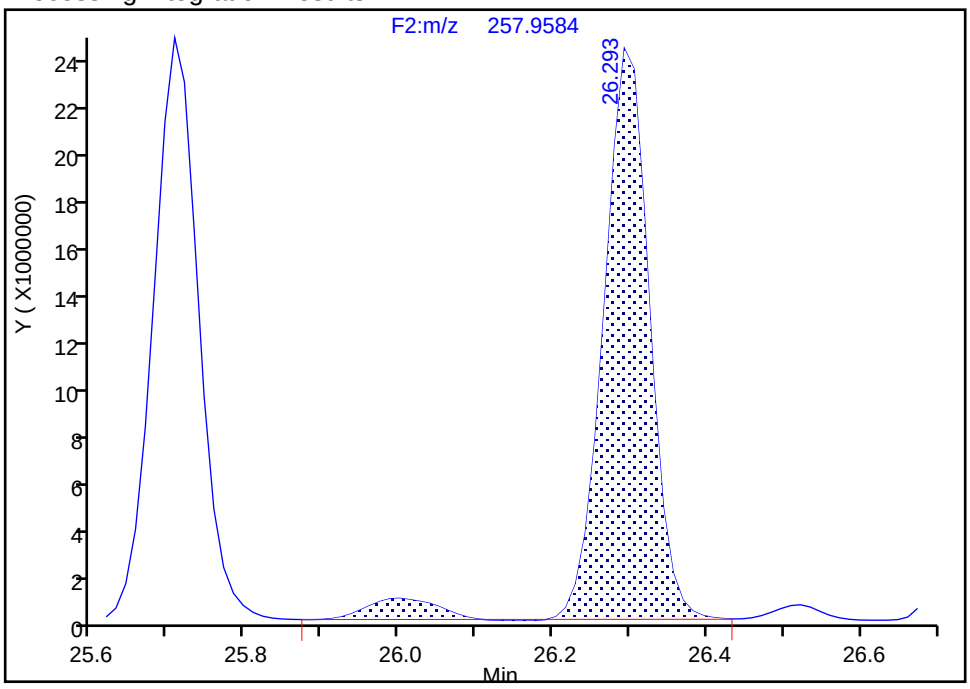
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-38, CAS: 53555-66-1

Signal: 2

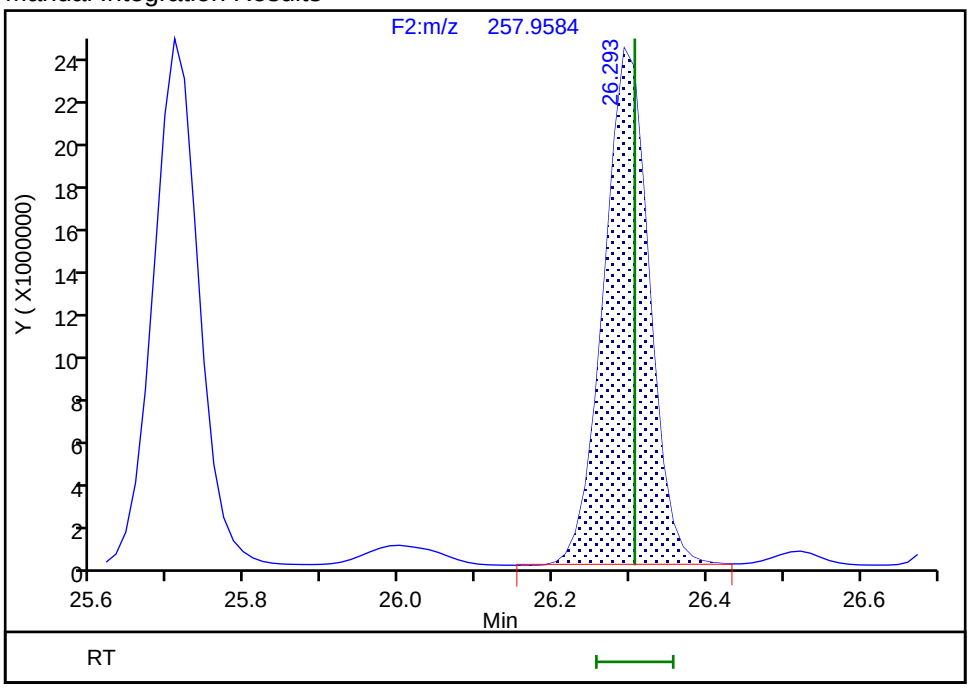
Processing Integration Results

RT: 26.29
Area: 102958446
Amount: 2190.4994
Amount Units: pg/ul




Manual Integration Results

RT: 26.29
Area: 97447537
Amount: 2142.5570
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

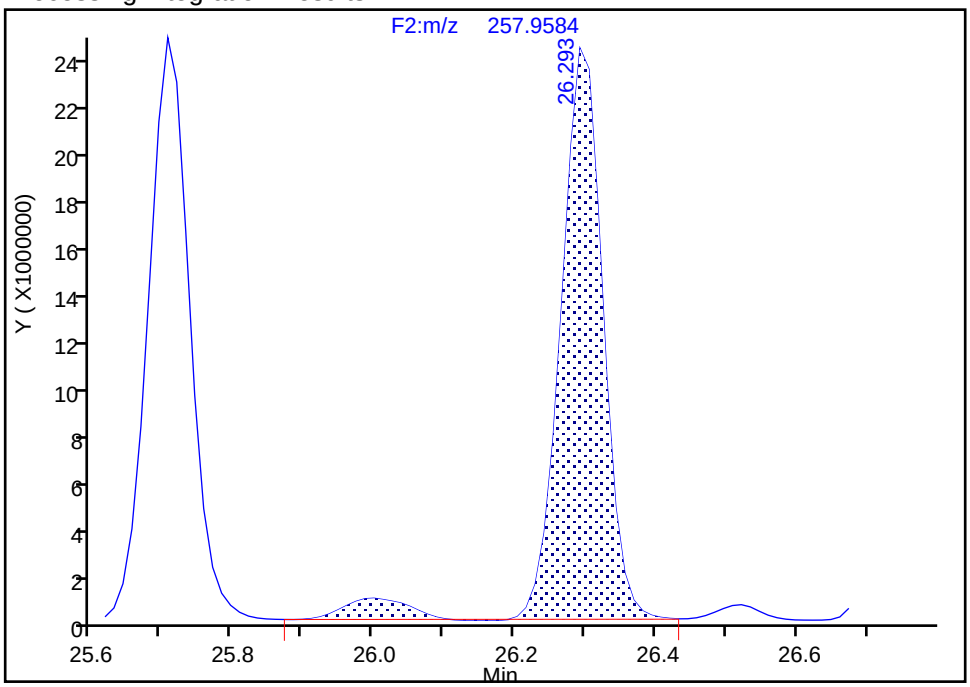
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-38, CAS: 53555-66-1

Signal: 3

Processing Integration Results

RT: 26.29
Area: 206837591
Amount: 2190.4994
Amount Units: pg/ul




Manual Integration Results

RT: 26.29
Area: 201326682
Amount: 2142.5570
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:42:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

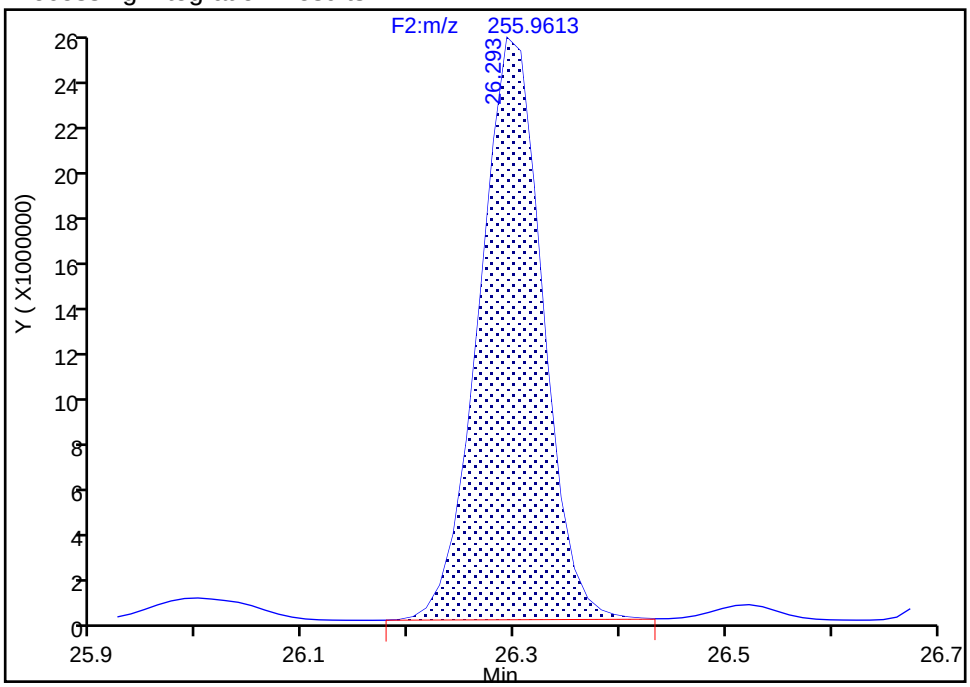
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-38, CAS: 53555-66-1

Signal: 1

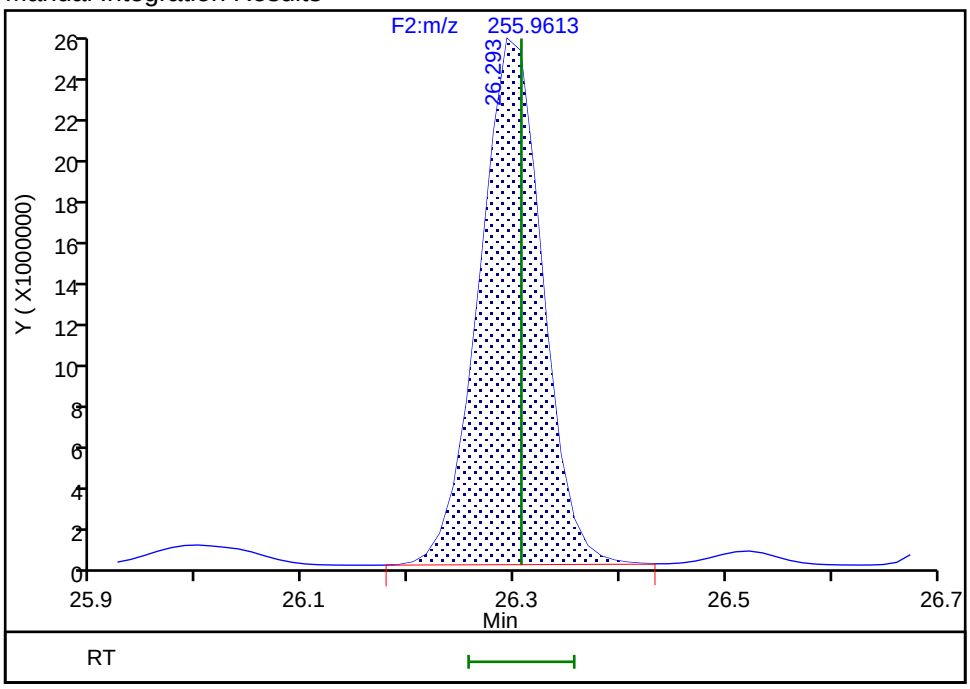
Processing Integration Results

RT: 26.29
Area: 103879145
Amount: 2190.4994
Amount Units: pg/ul




Manual Integration Results

RT: 26.29
Area: 103879145
Amount: 2142.5570
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:30

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

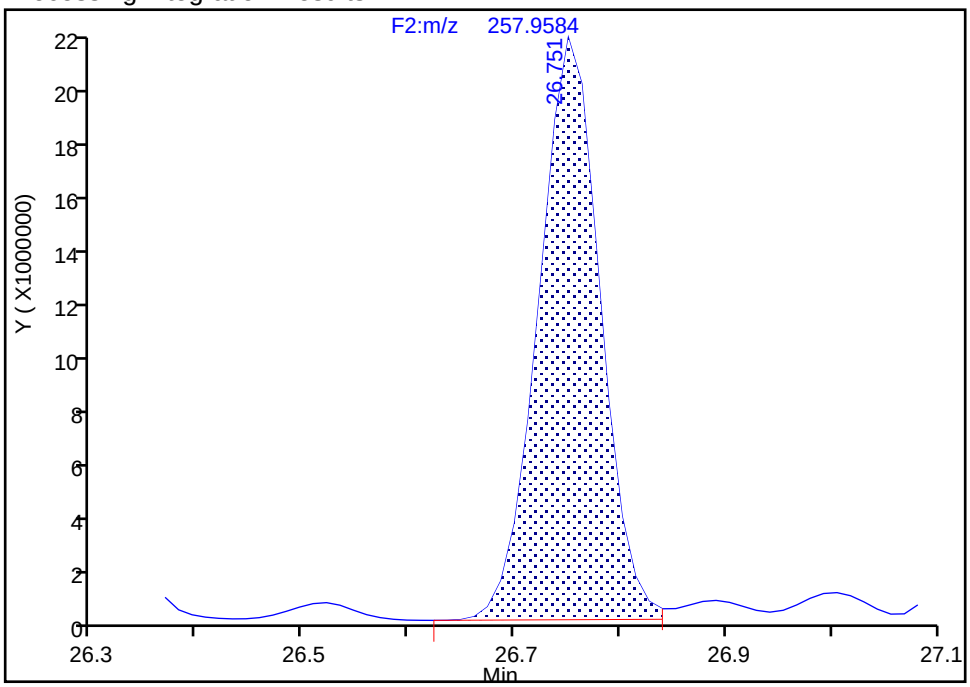
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 2

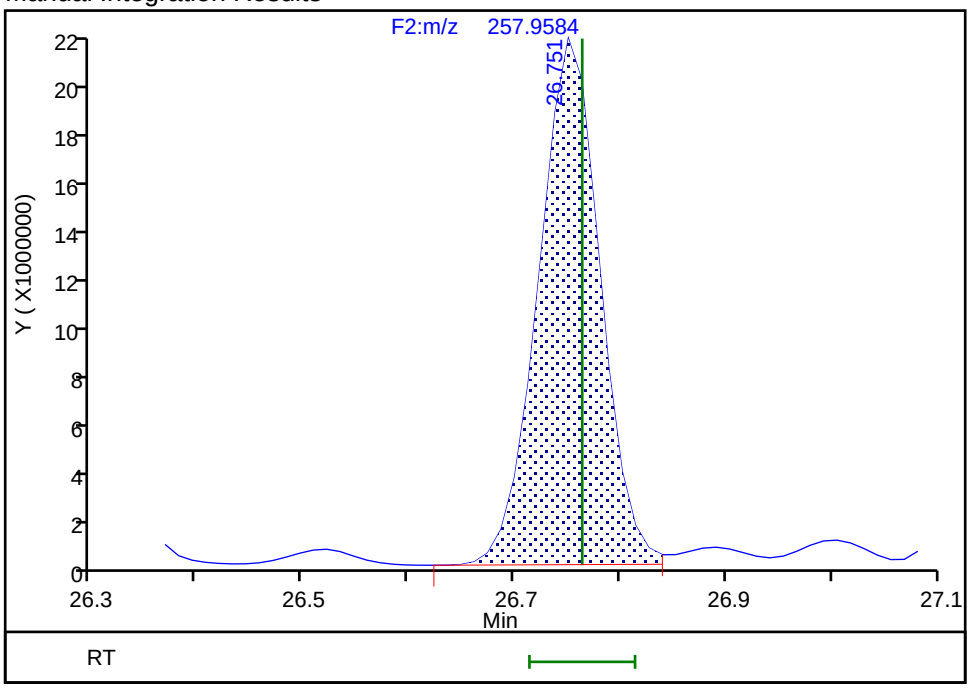
Processing Integration Results

RT: 26.75
Area: 85408683
Amount: 2075.4280
Amount Units: pg/ul




Manual Integration Results

RT: 26.75
Area: 85408683
Amount: 2022.6060
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

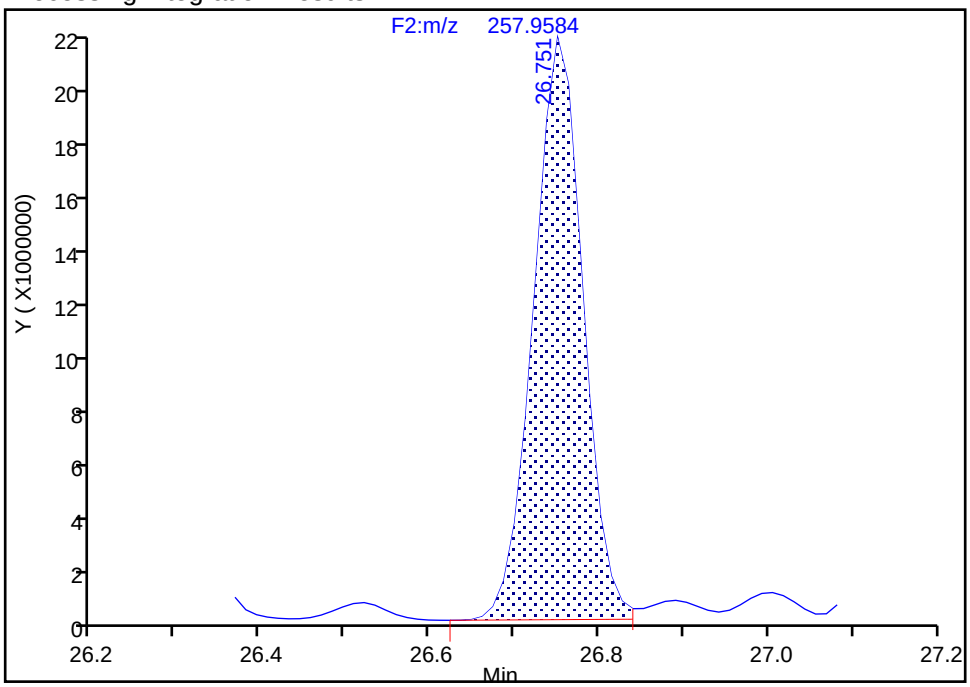
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 3

Processing Integration Results

RT: 26.75
Area: 181025944
Amount: 2075.4280
Amount Units: pg/ul




Manual Integration Results

RT: 26.75
Area: 175484646
Amount: 2022.6060
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:42:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

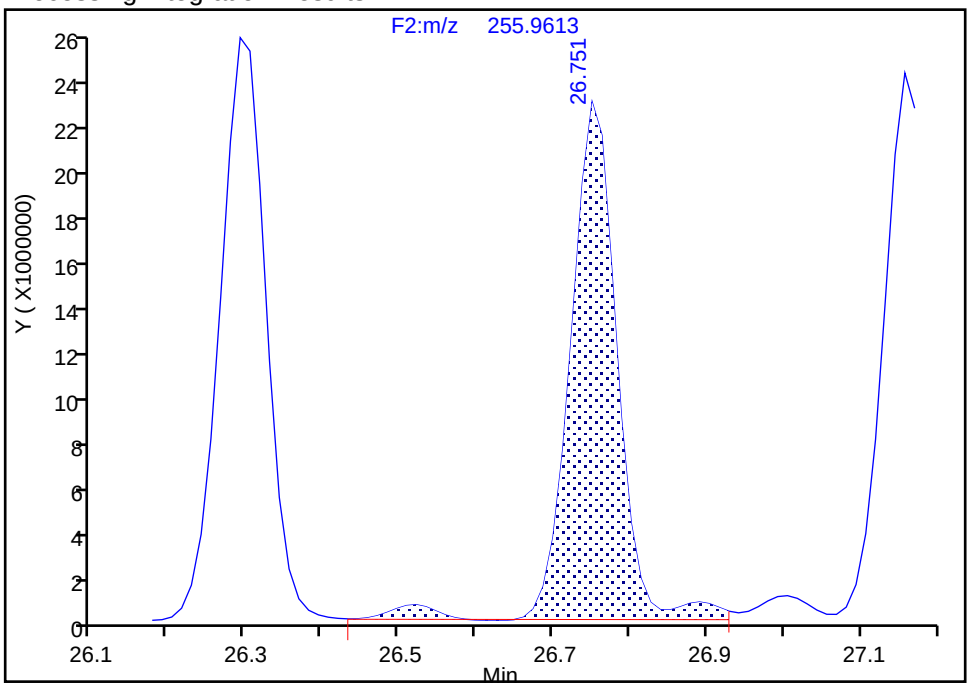
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 1

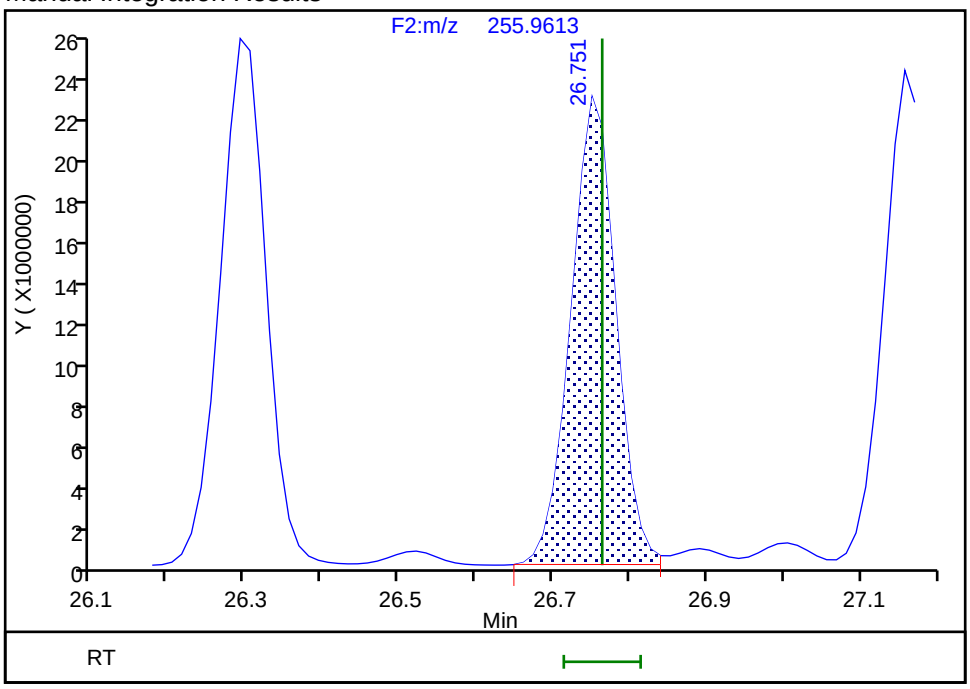
Processing Integration Results

RT: 26.75
Area: 95617261
Amount: 2075.4280
Amount Units: pg/ul




Manual Integration Results

RT: 26.75
Area: 90075963
Amount: 2022.6060
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:42:39

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
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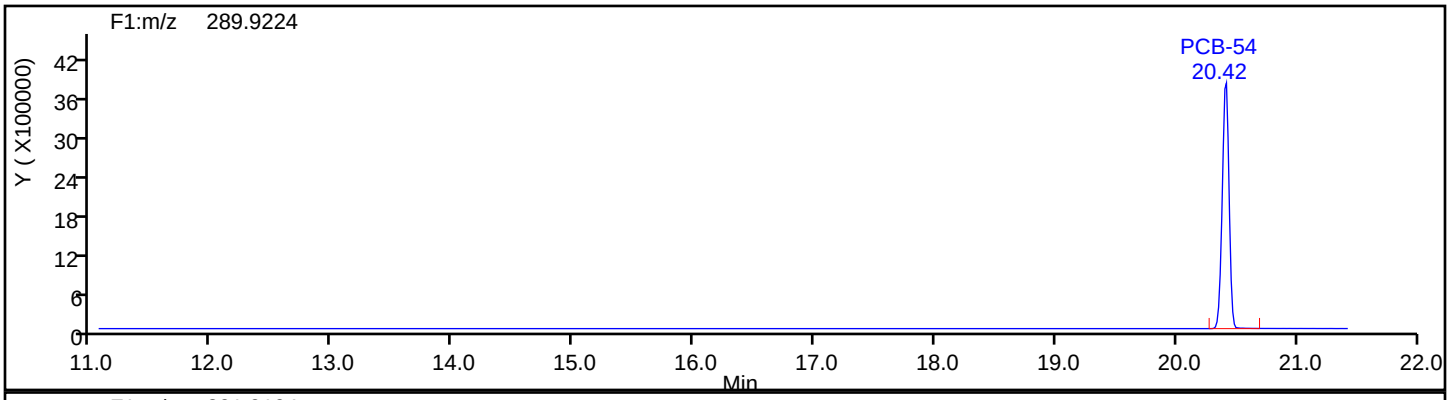
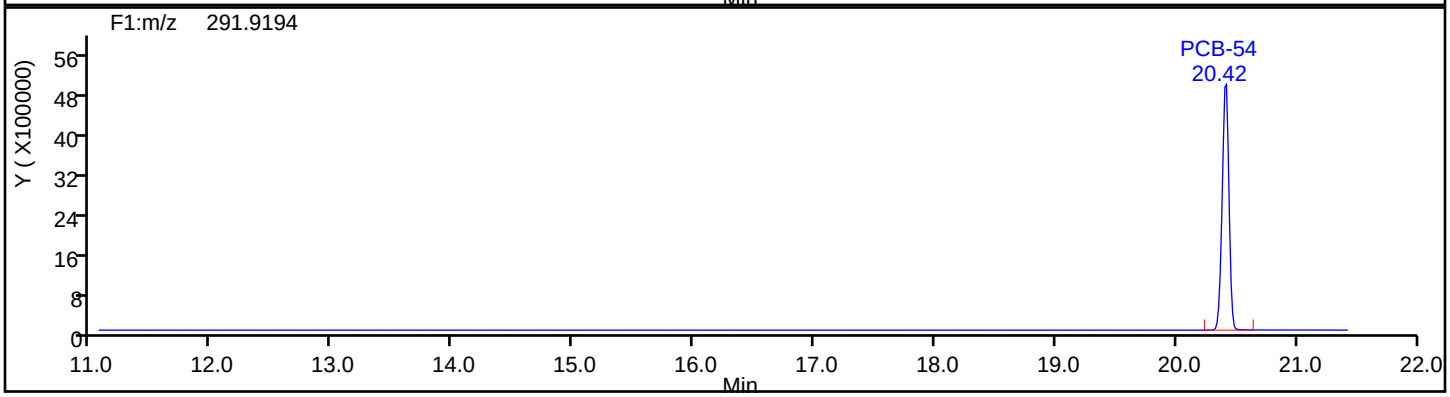
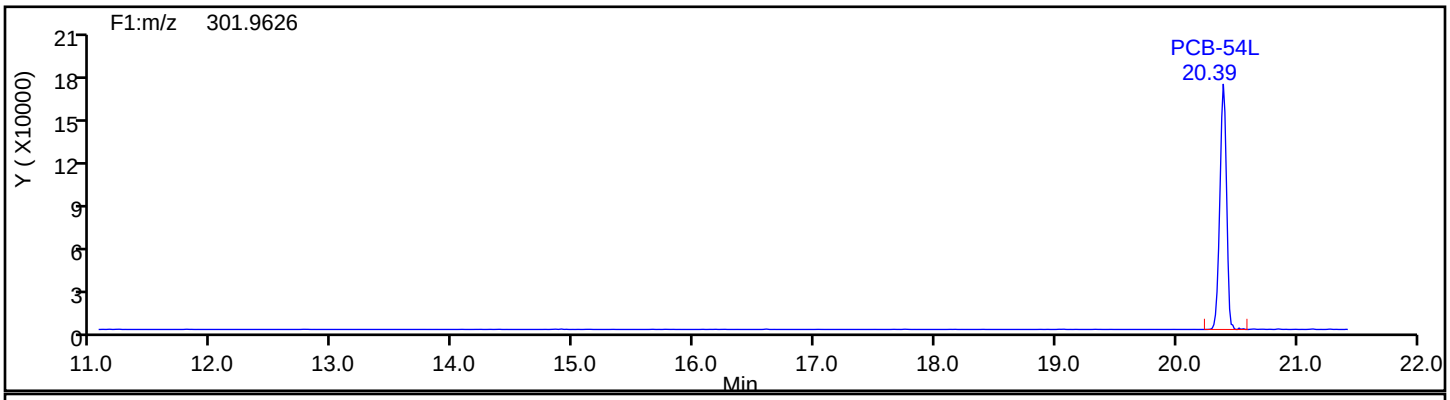
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

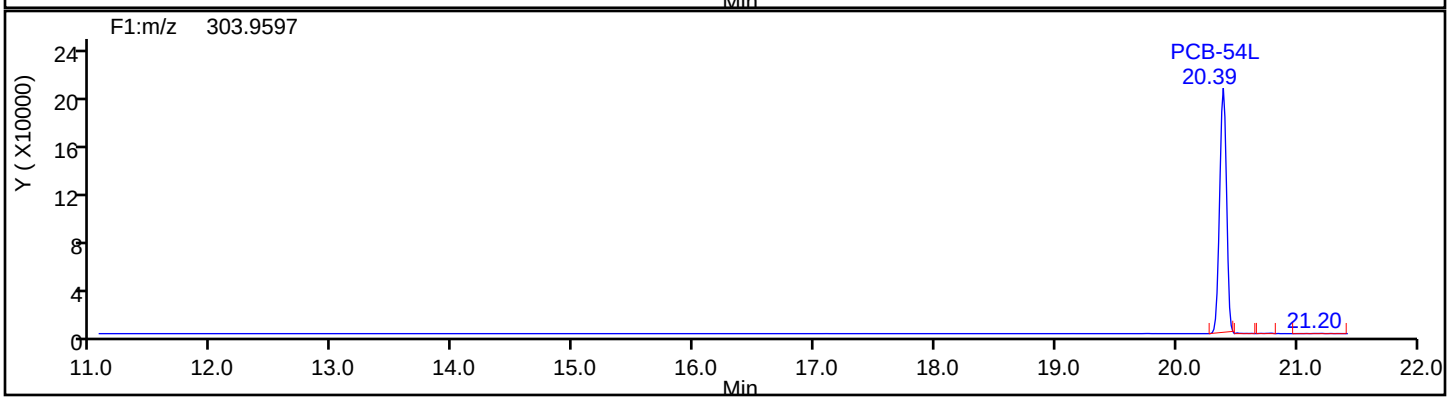
TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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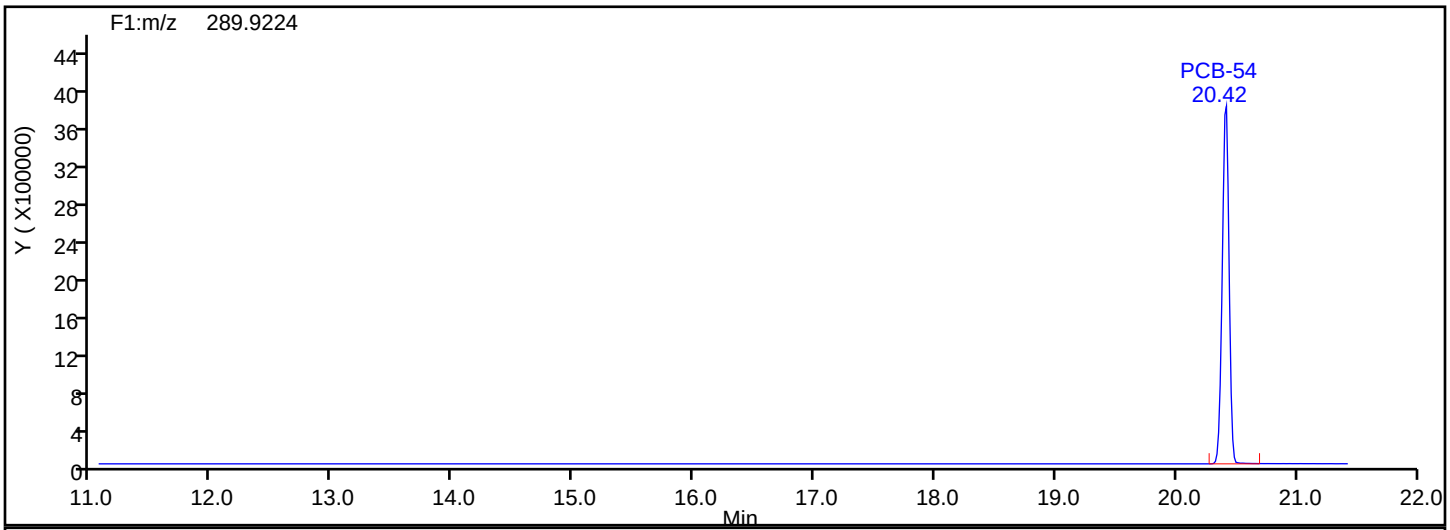
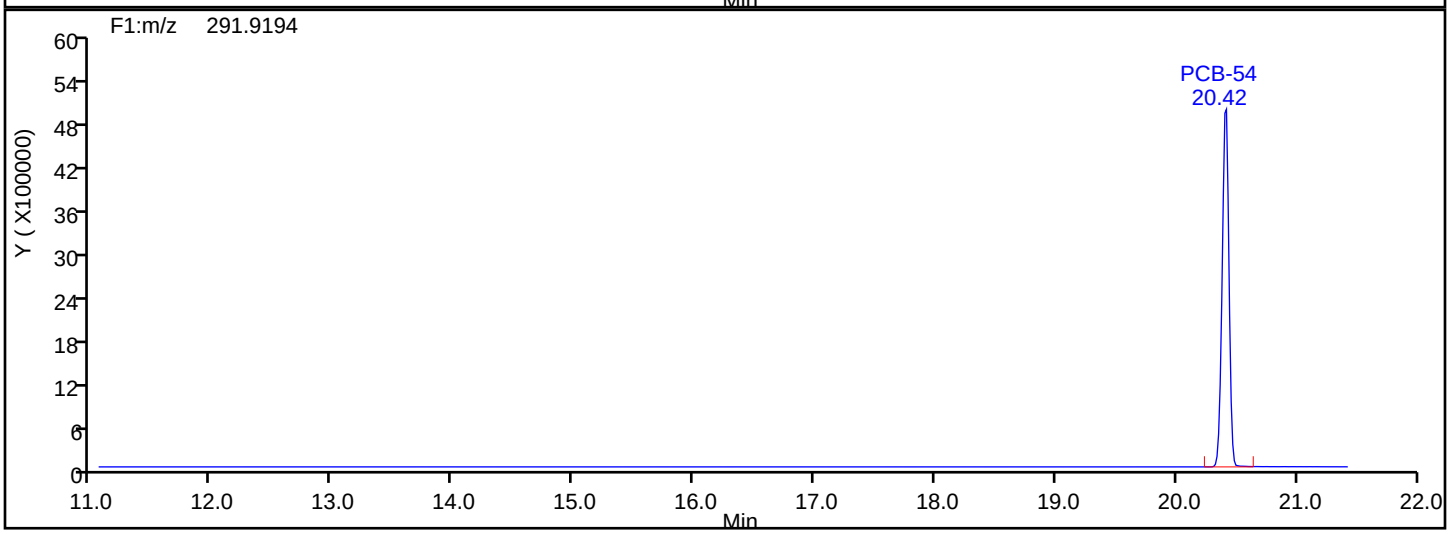
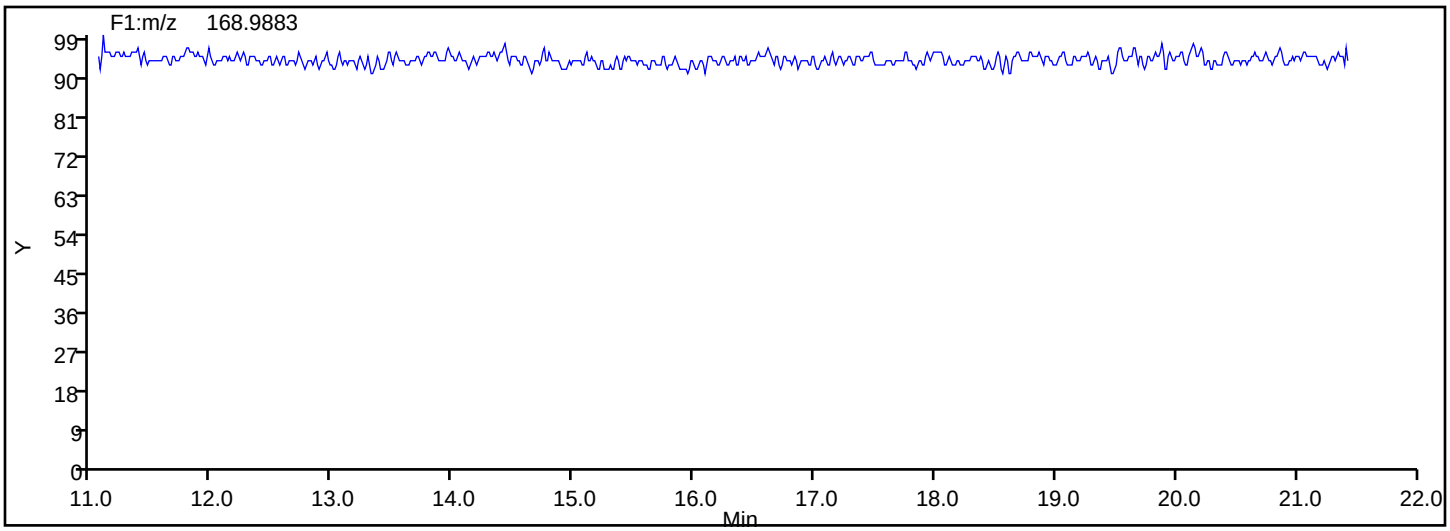
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



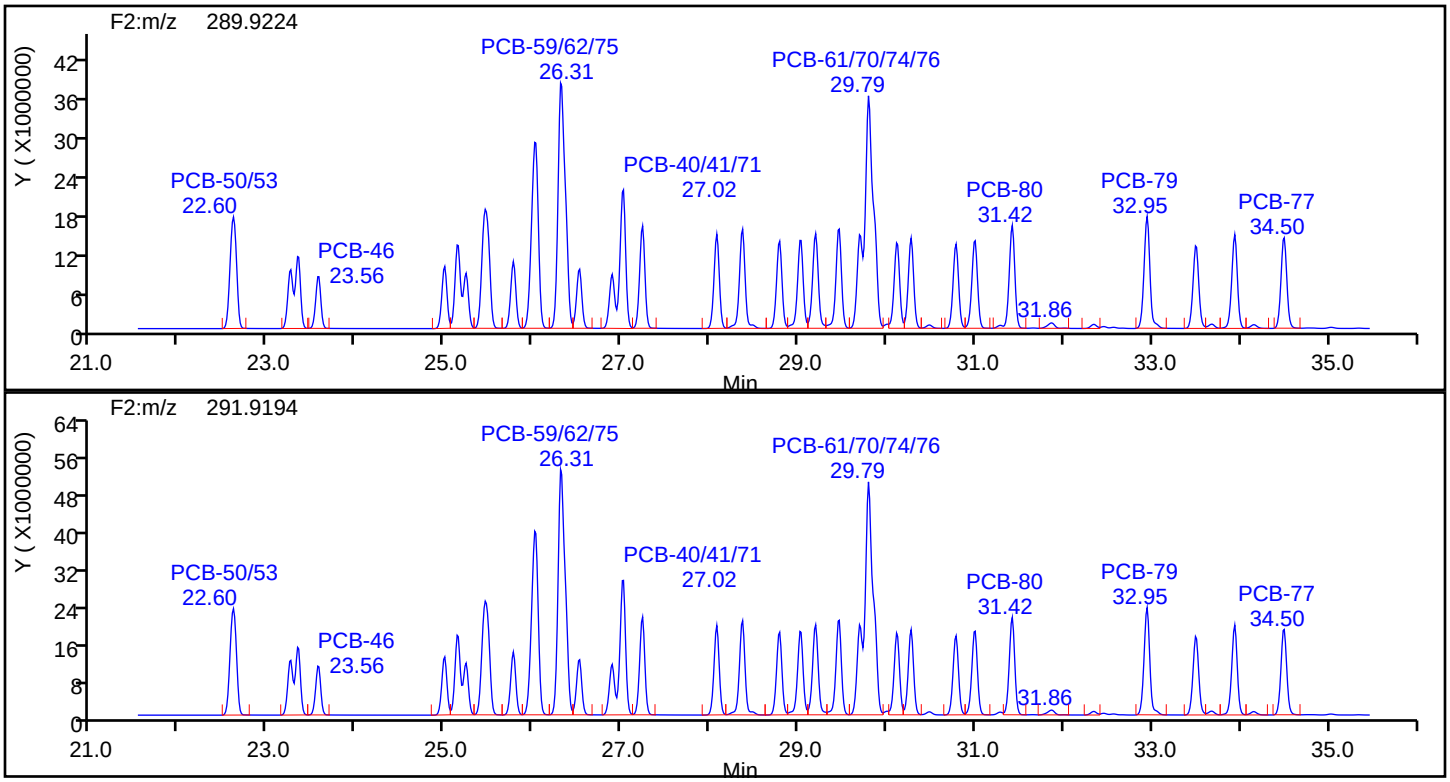

TePCB F1 Lock Mass



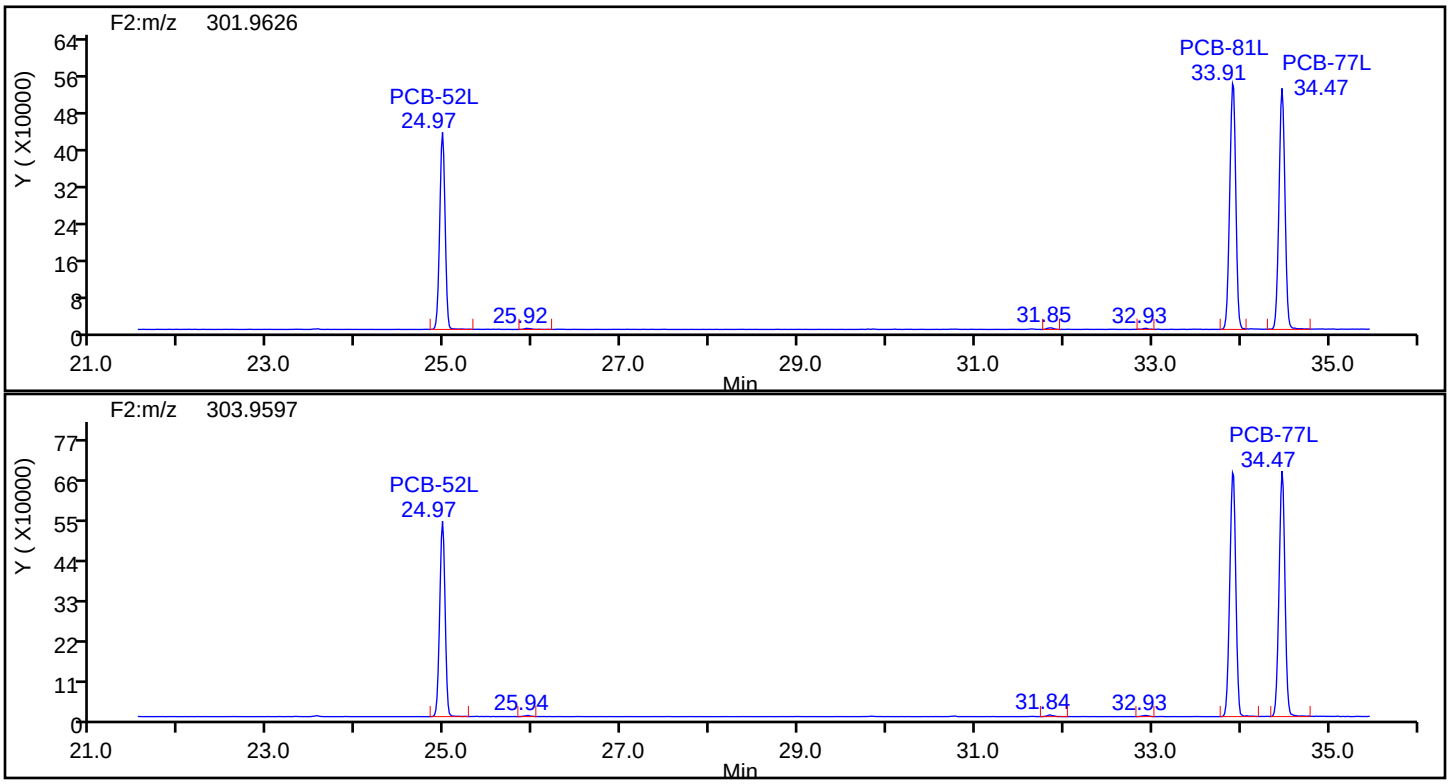
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



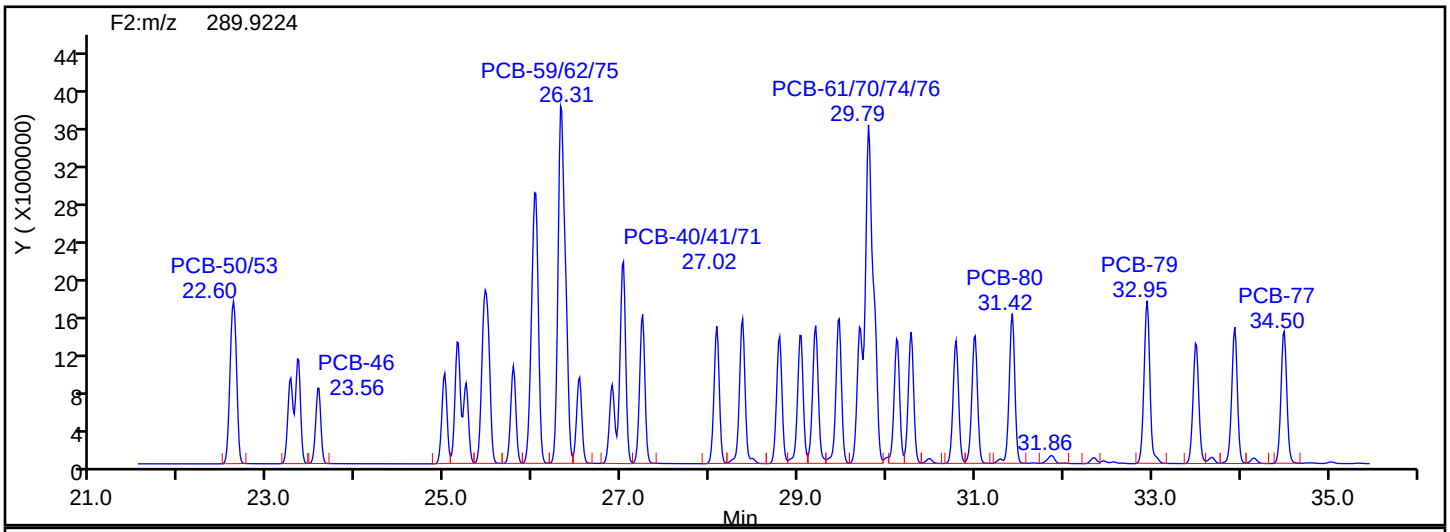

TePCB F2 Standards

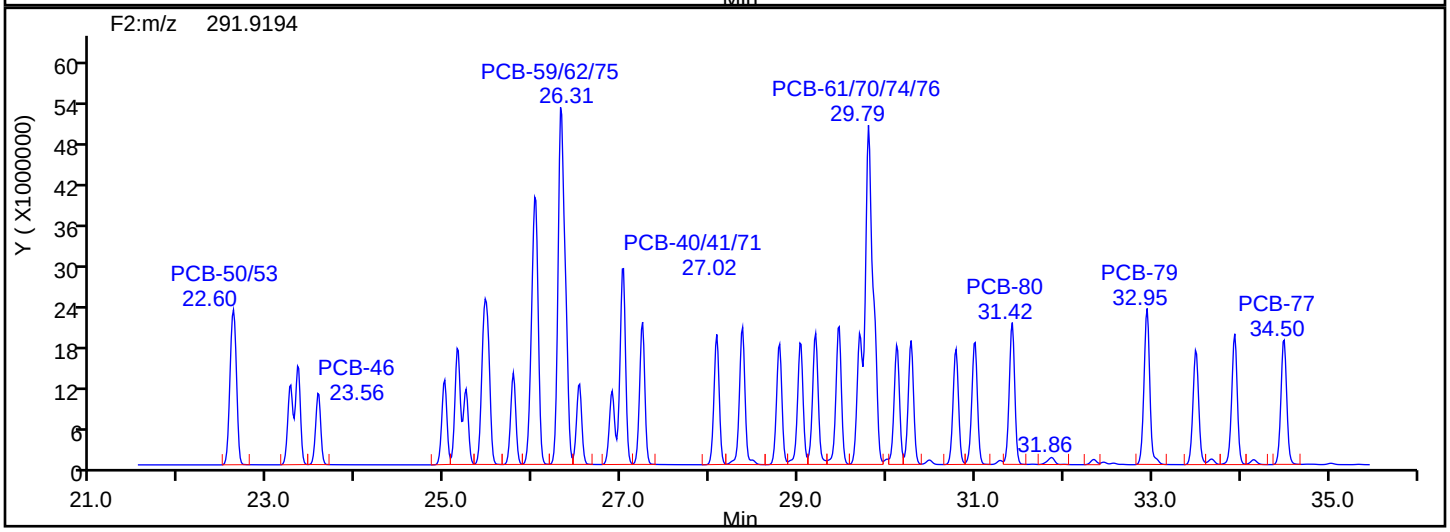


Eurofins TestAmerica, Knoxville

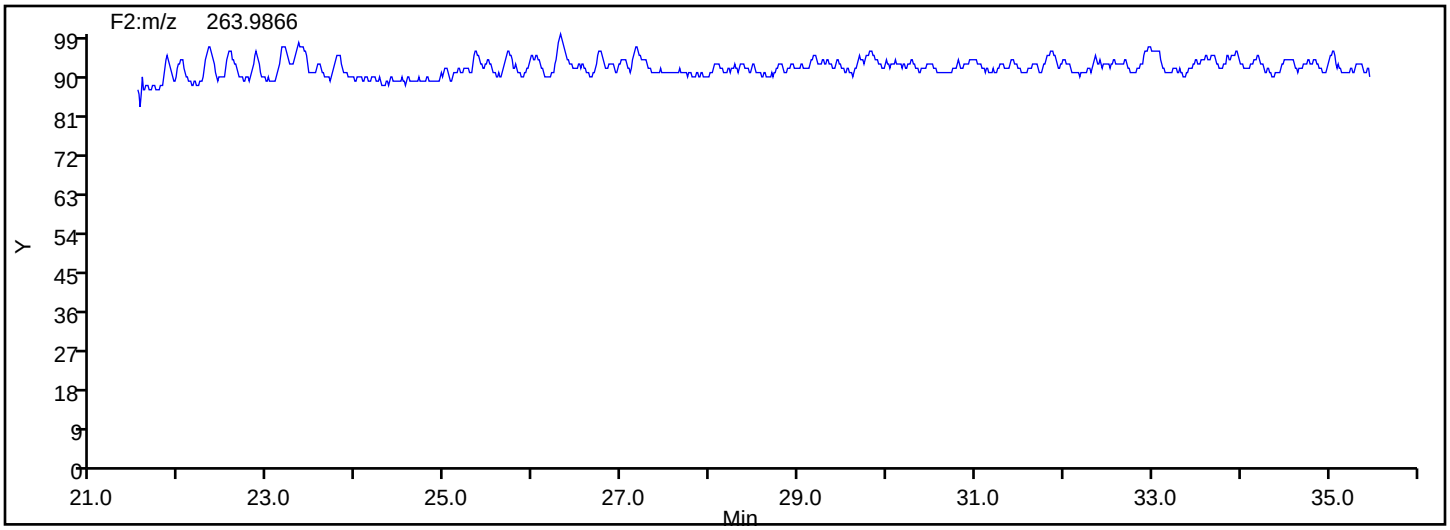
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

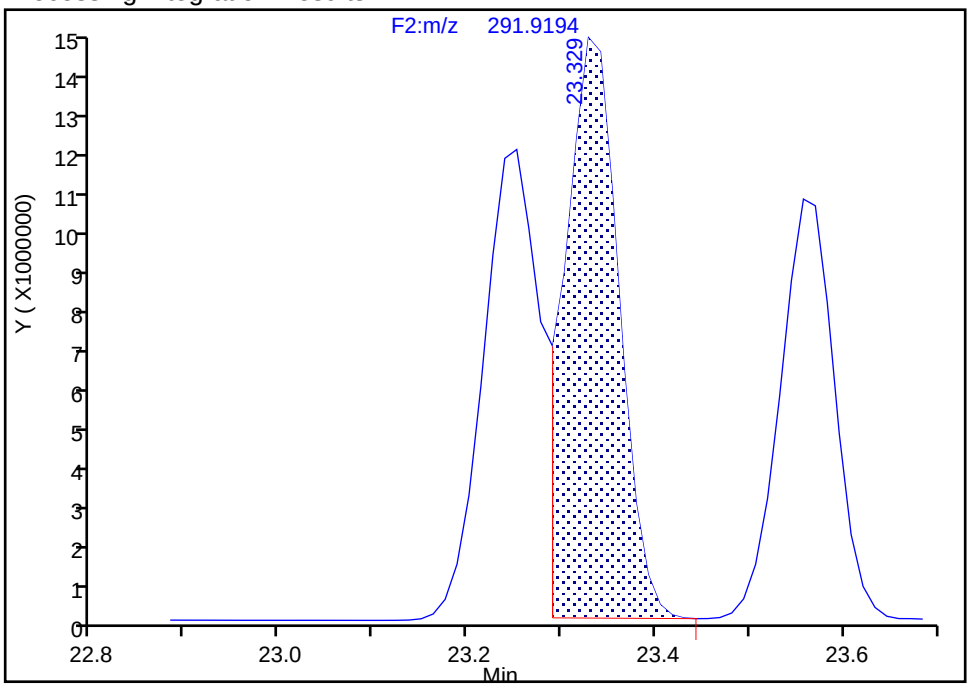
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

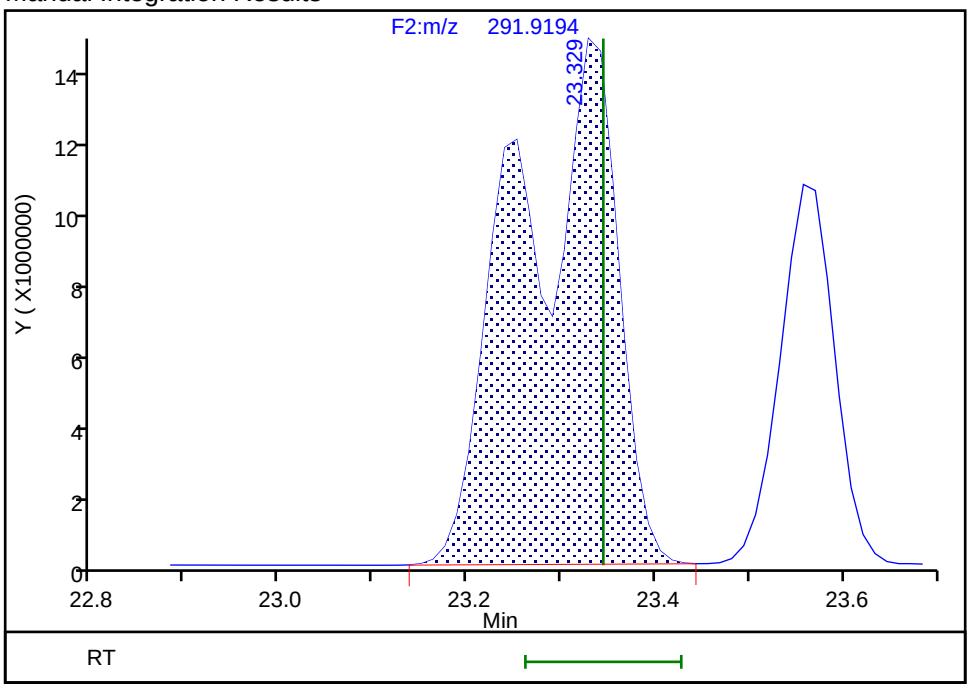
Processing Integration Results

RT: 23.33
Area: 56822392
Amount: 2146.3149
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 106269642
Amount: 3716.6774
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:43:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

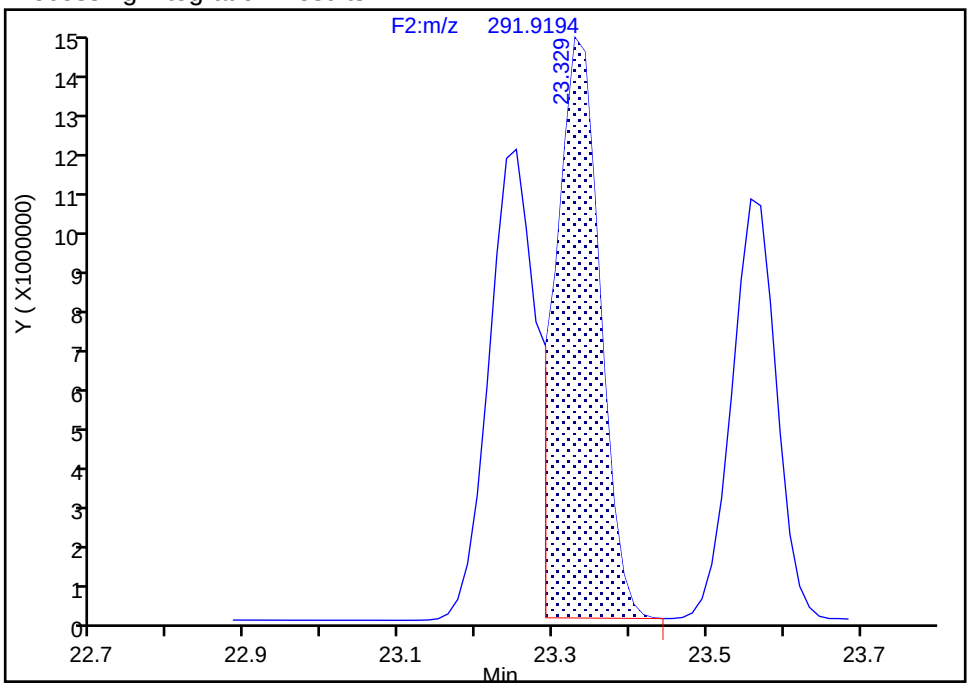
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.33
Area: 100617896
Amount: 2146.3149
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 187725057
Amount: 3716.6774
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:43:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

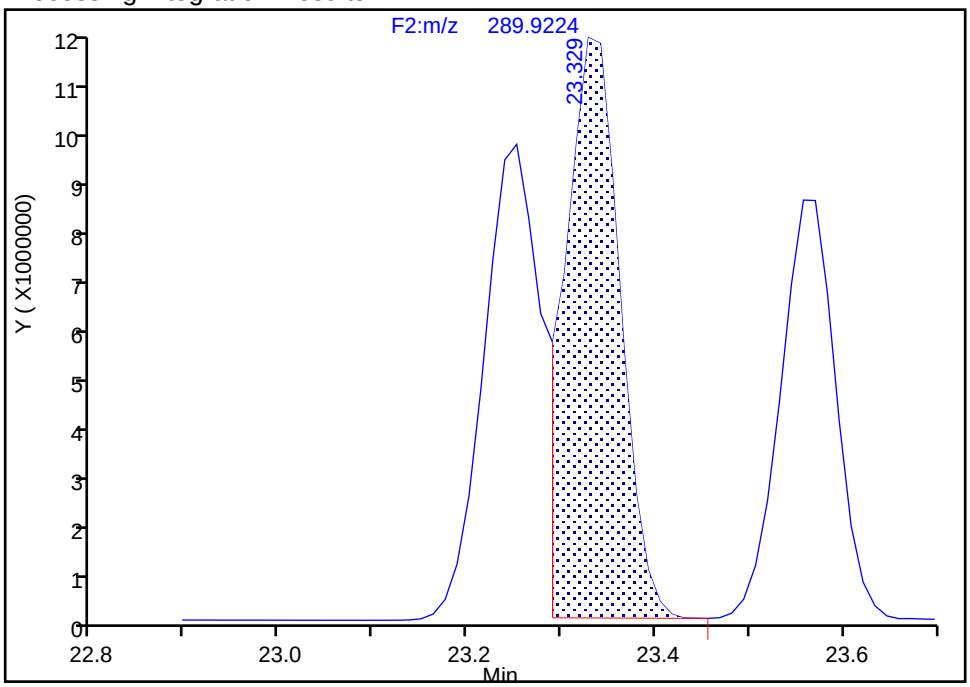
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 1

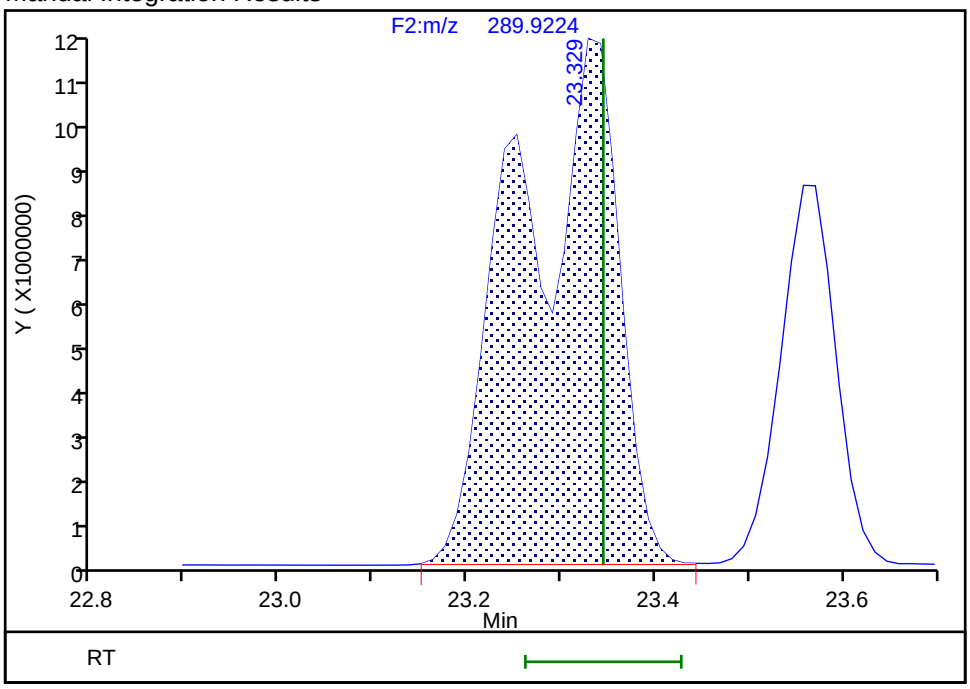
Processing Integration Results

RT: 23.33
Area: 43795504
Amount: 2146.3149
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 81455415
Amount: 3716.6774
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:43:18
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

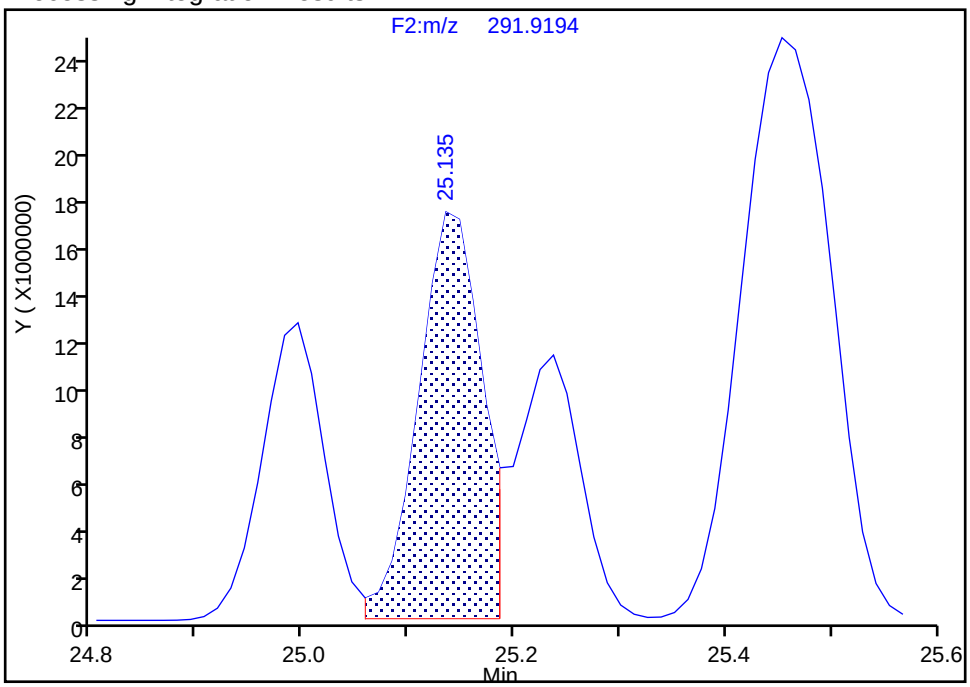
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

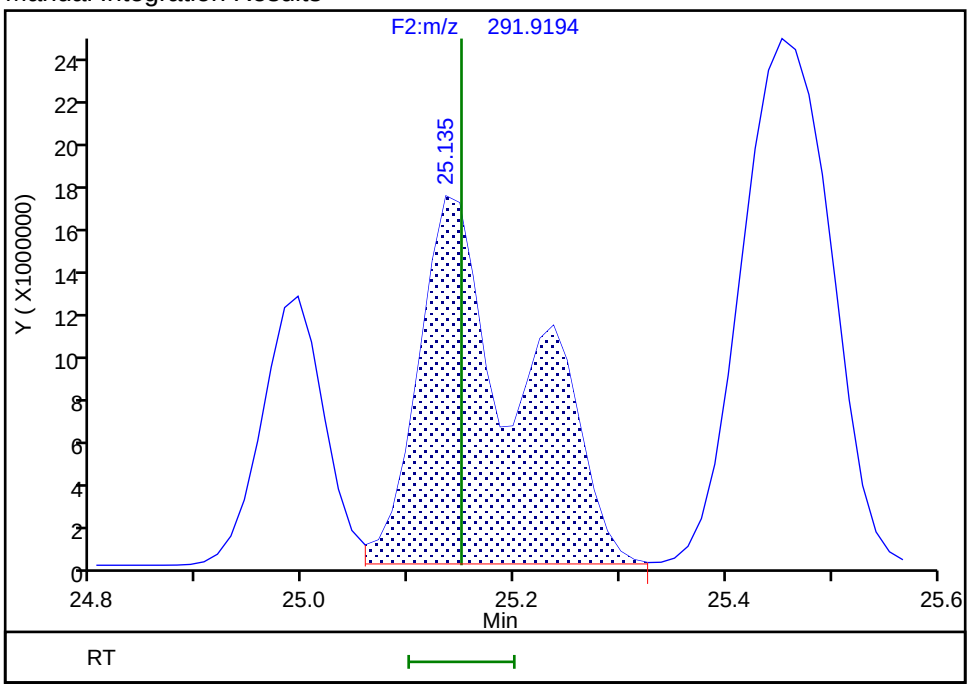
Processing Integration Results

RT: 25.14
Area: 70883313
Amount: 2383.3486
Amount Units: pg/ul




Manual Integration Results

RT: 25.14
Area: 117958272
Amount: 3639.1142
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:43:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

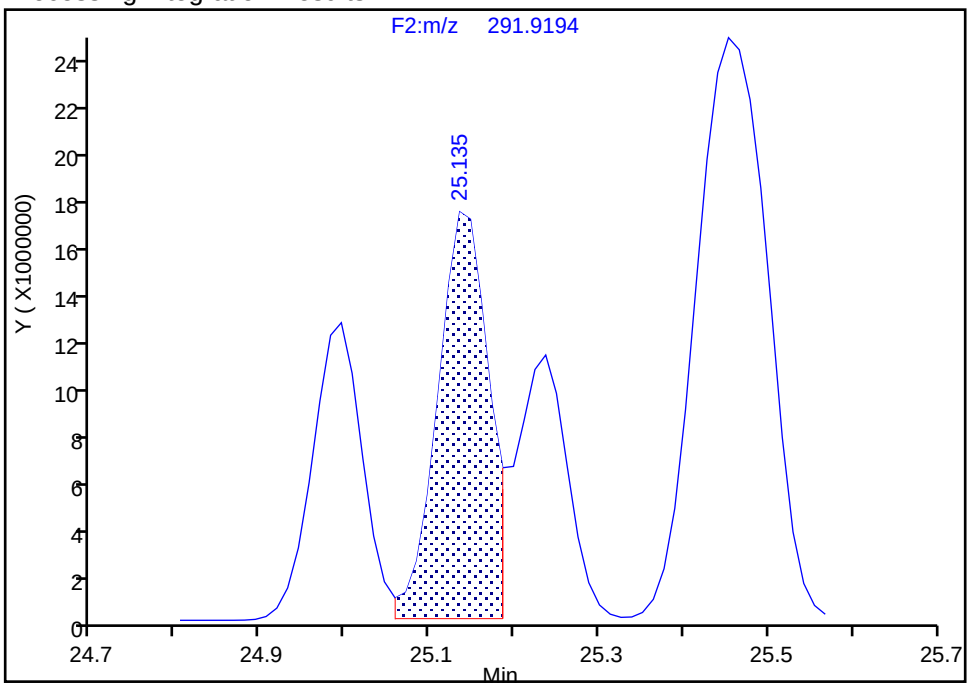
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 3

Processing Integration Results

RT: 25.14
Area: 128033012
Amount: 2383.3486
Amount Units: pg/ul




Manual Integration Results

RT: 25.14
Area: 207549562
Amount: 3639.1142
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:43:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

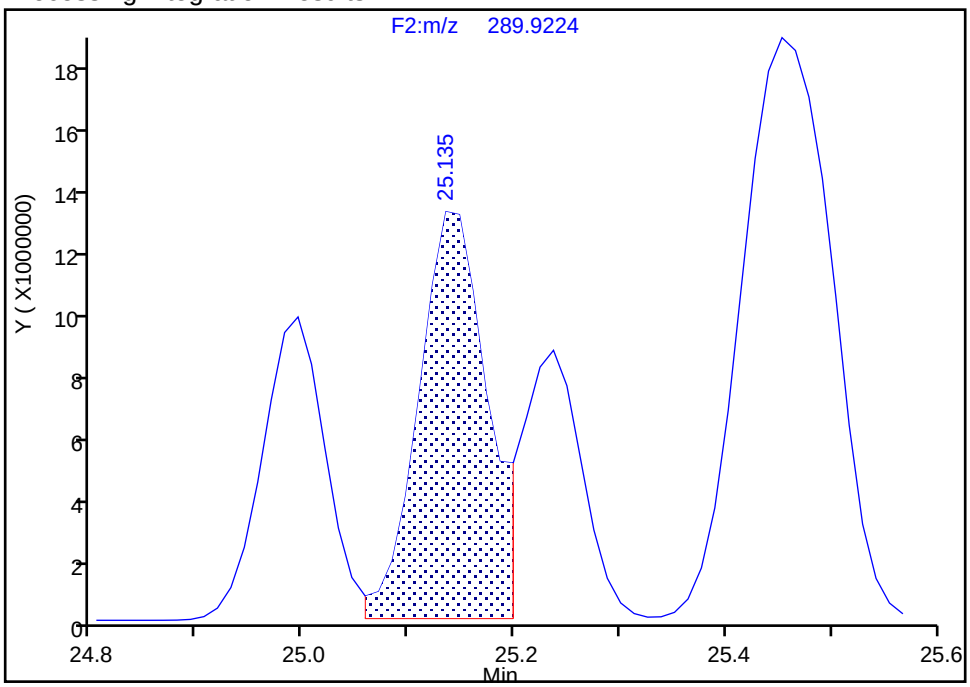
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

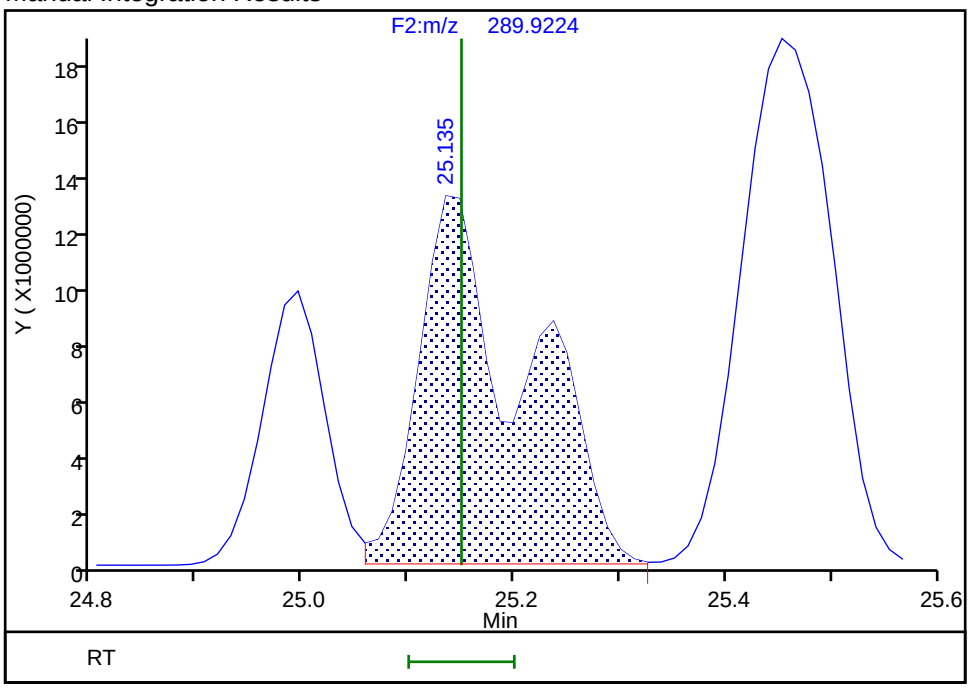
Processing Integration Results

RT: 25.14
Area: 57149699
Amount: 2383.3486
Amount Units: pg/ul




Manual Integration Results

RT: 25.14
Area: 89591290
Amount: 3639.1142
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:43:48
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

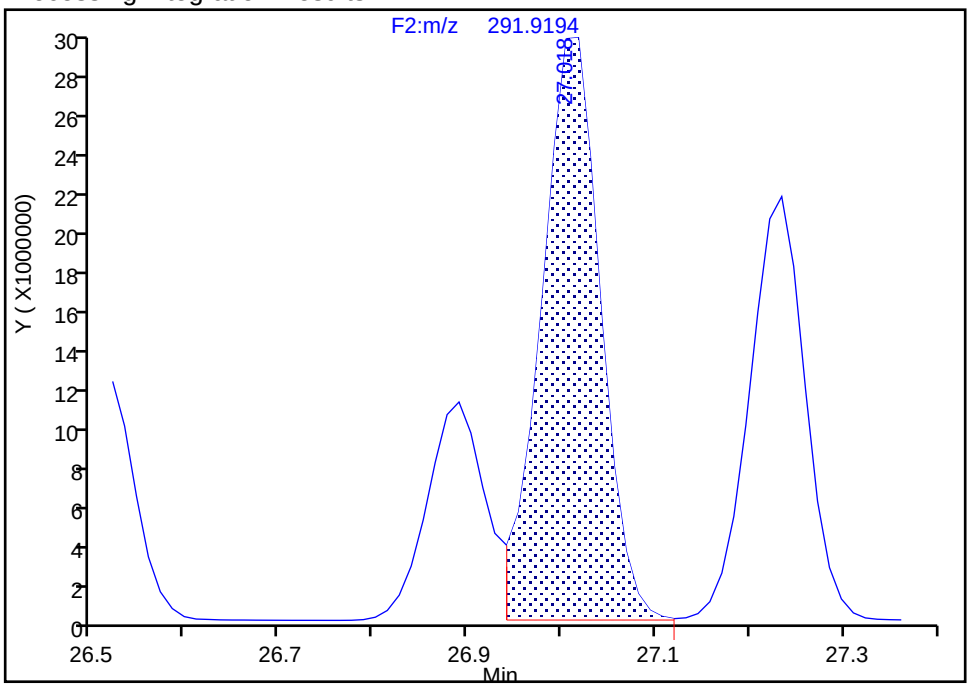
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

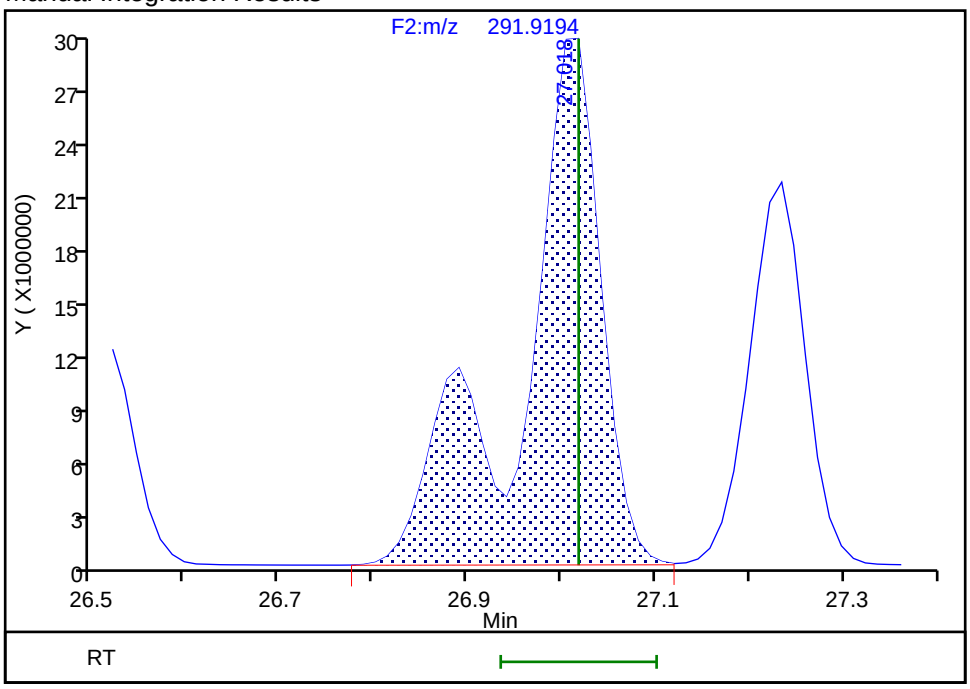
Processing Integration Results

RT: 27.02
Area: 126834924
Amount: 4412.4883
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 173343964
Amount: 5787.8440
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:44:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

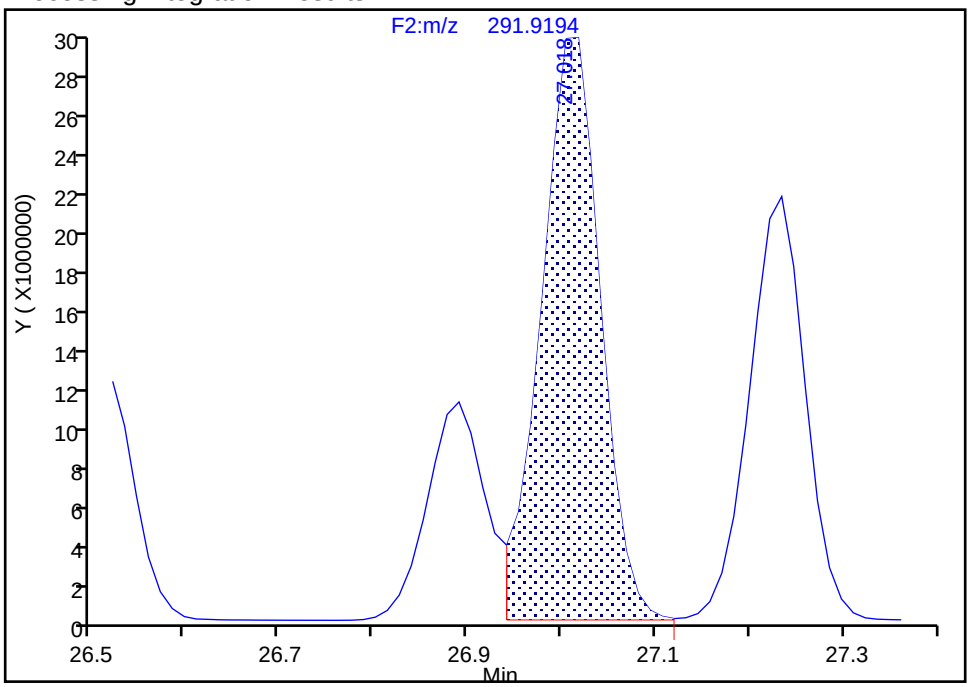
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 27.02
Area: 221082624
Amount: 4412.4883
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 303194668
Amount: 5787.8440
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:44:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

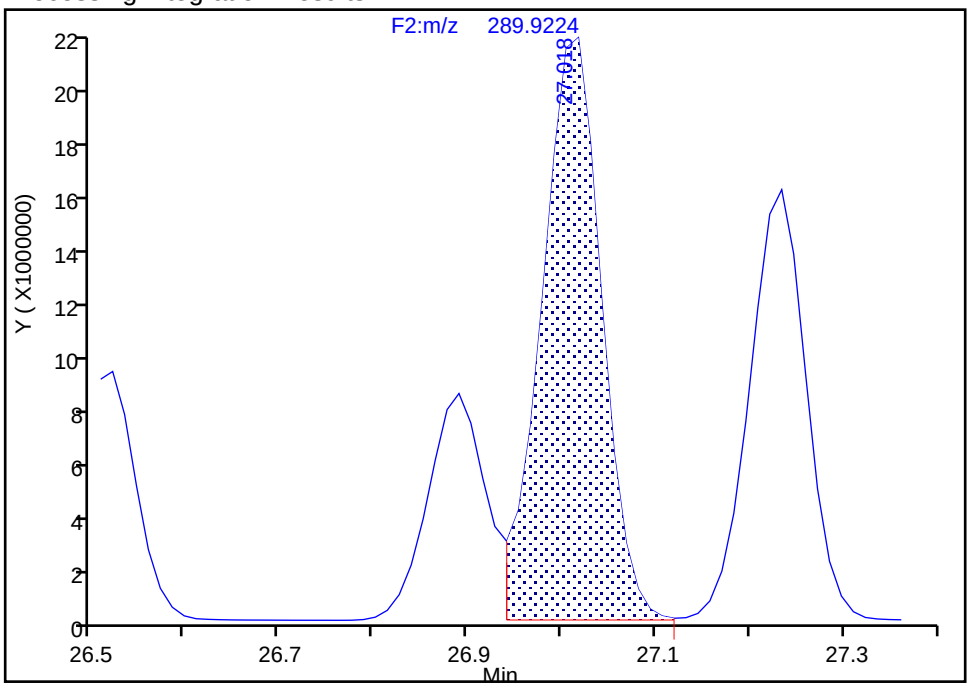
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

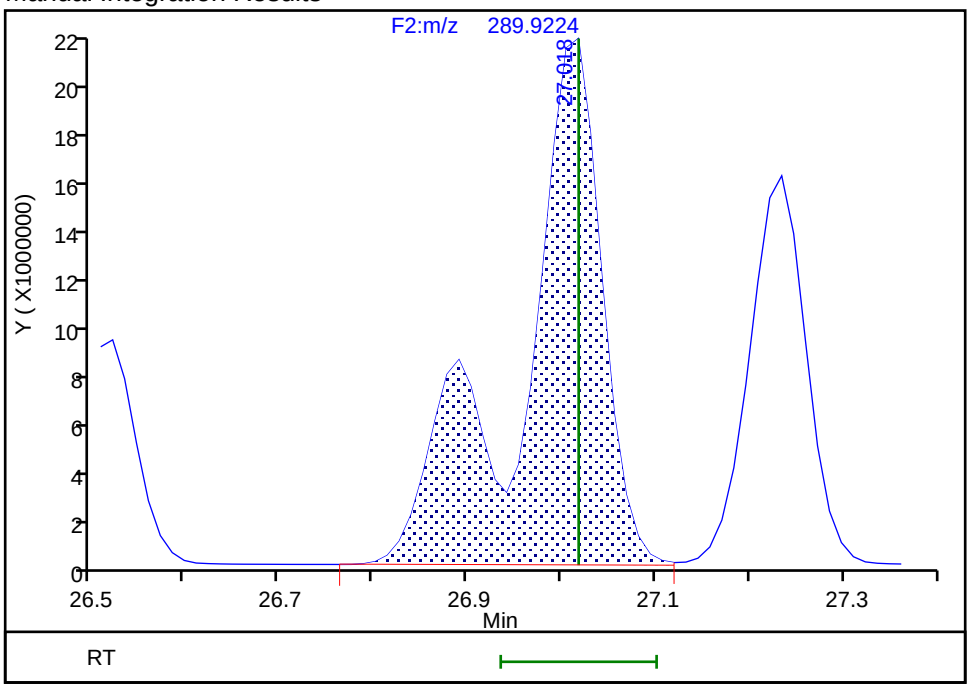
Processing Integration Results

RT: 27.02
Area: 94247700
Amount: 4412.4883
Amount Units: pg/ul




Manual Integration Results

RT: 27.02
Area: 129850704
Amount: 5787.8440
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:44:17

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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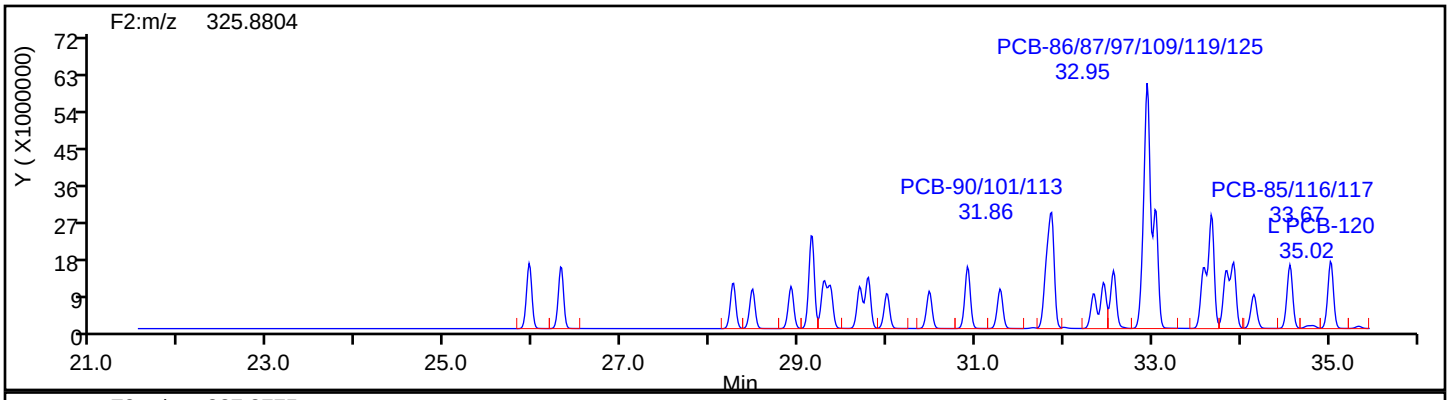
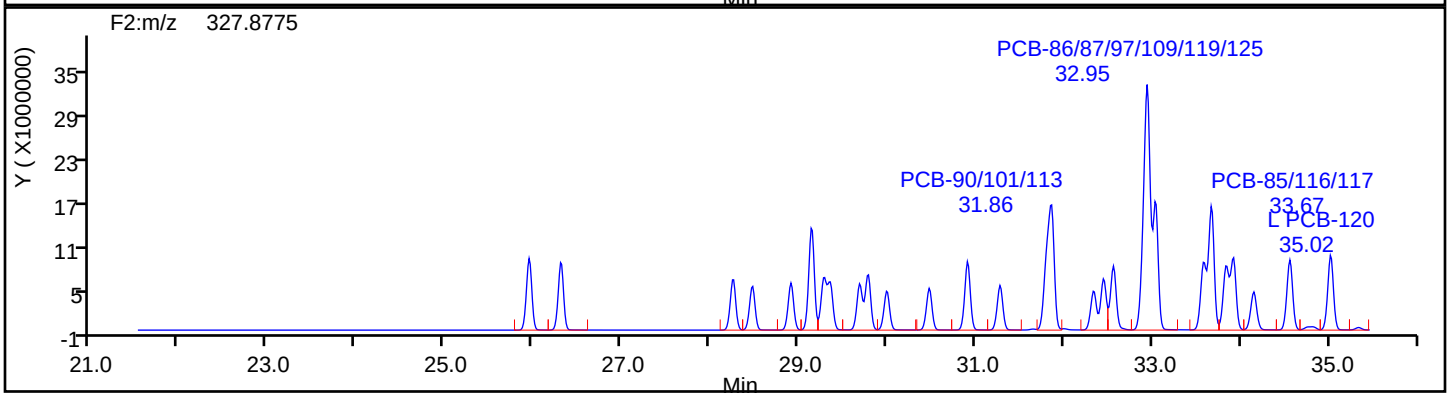
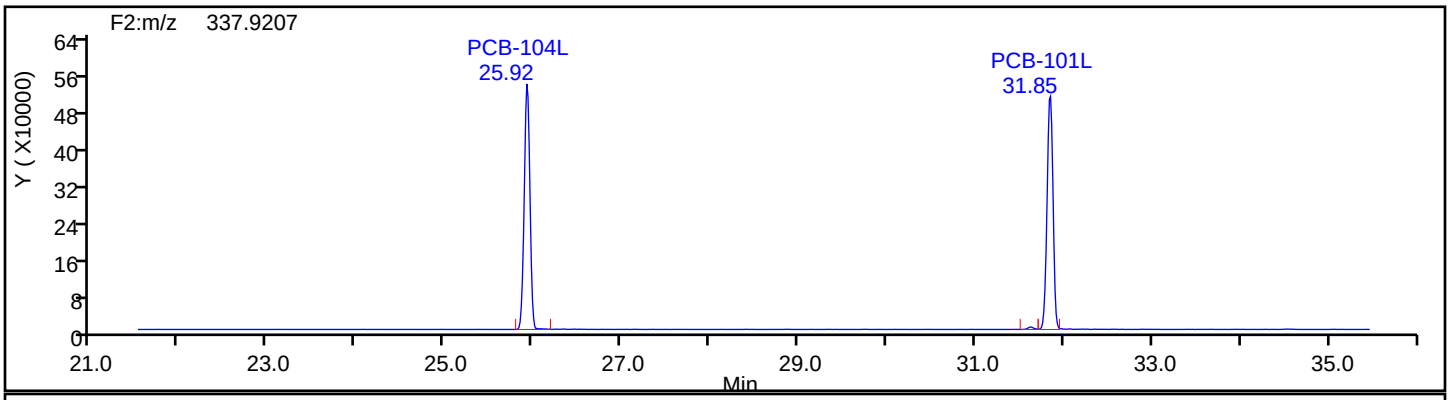
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

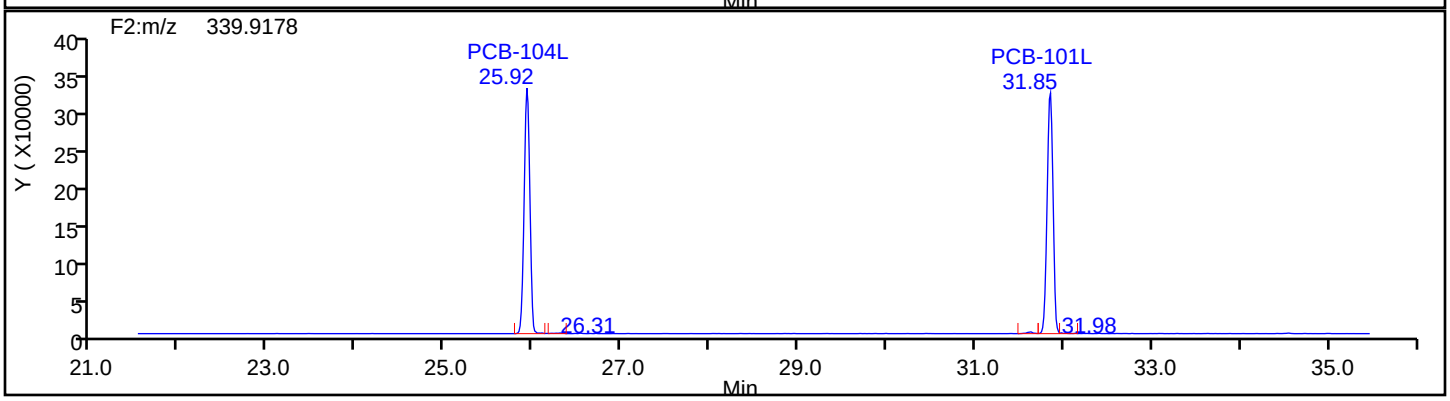
PePCB F2




PePCB F2 Standards

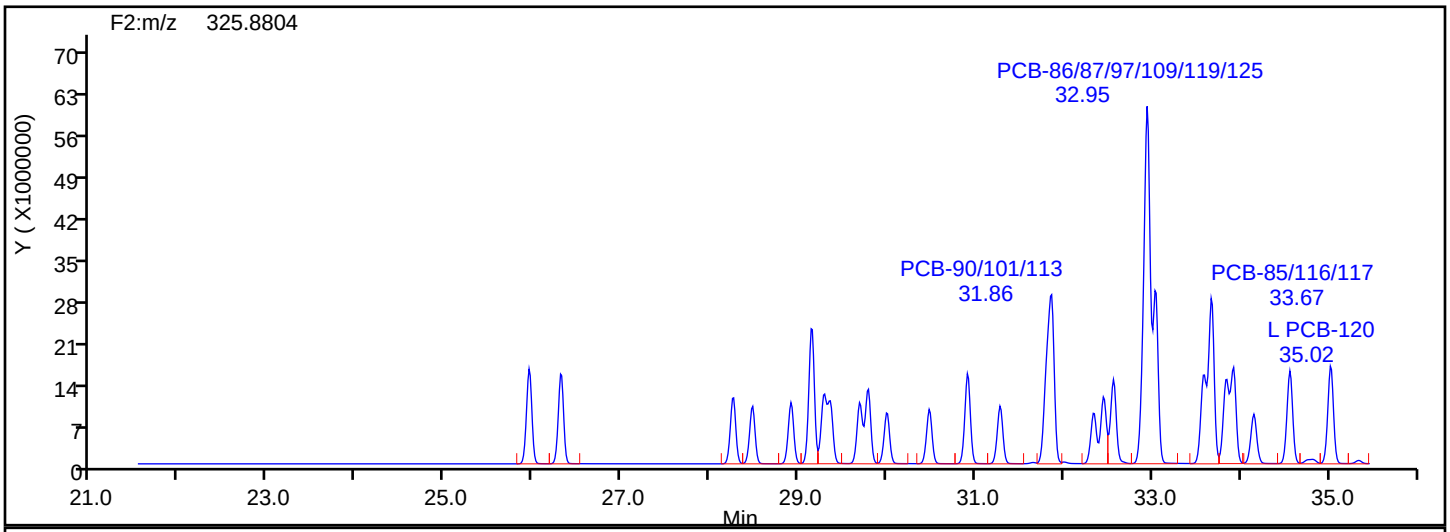


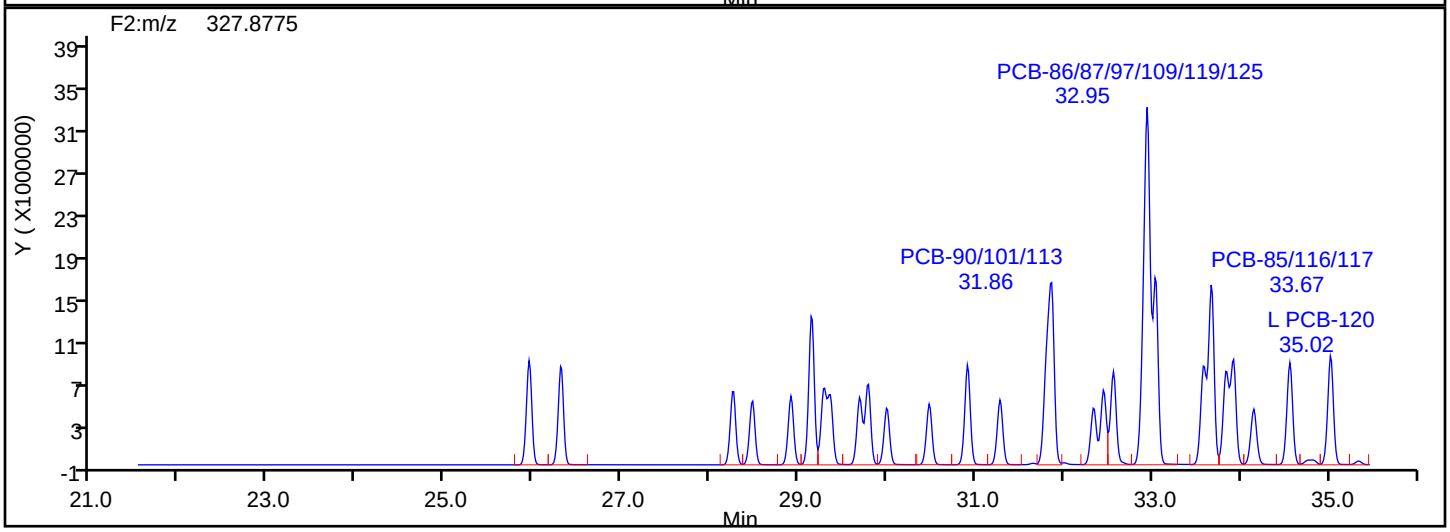



Eurofins TestAmerica, Knoxville

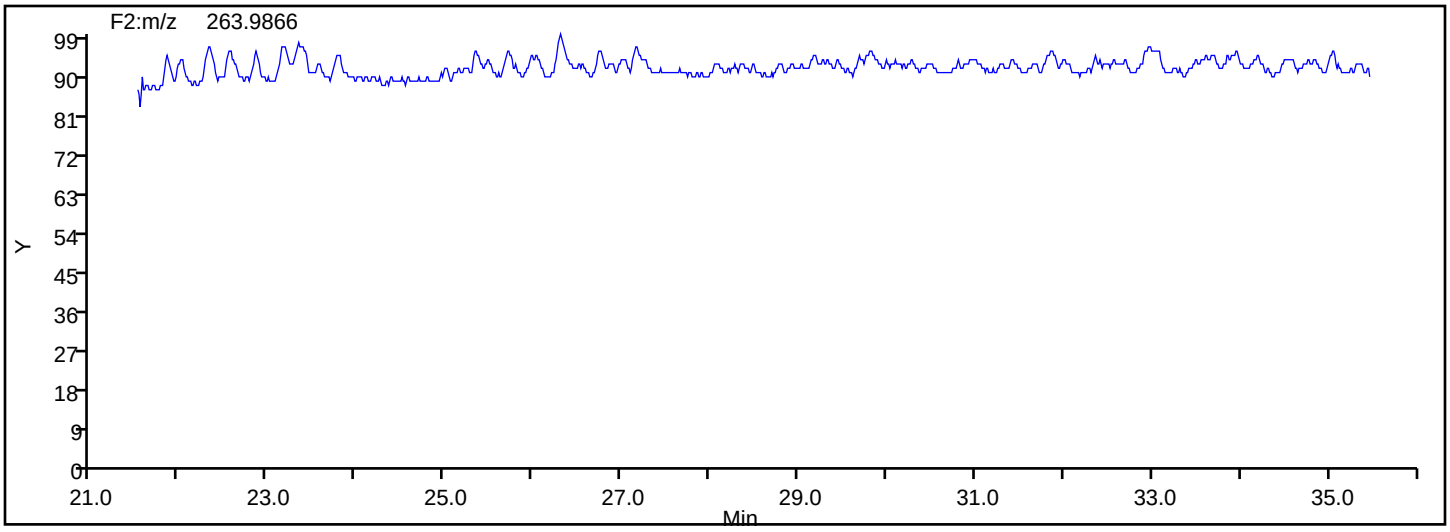
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

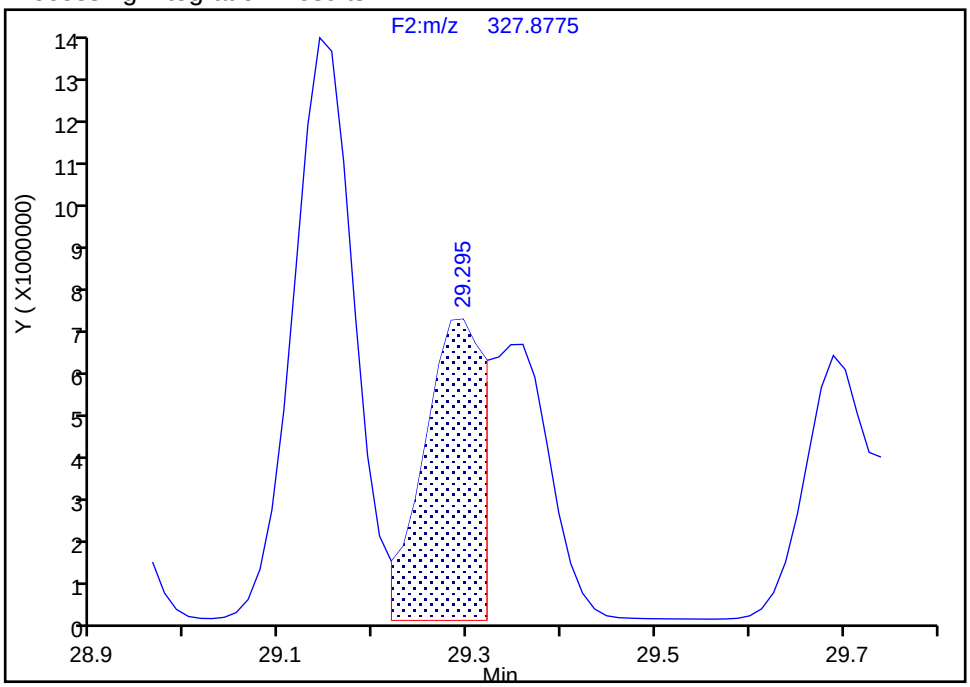
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

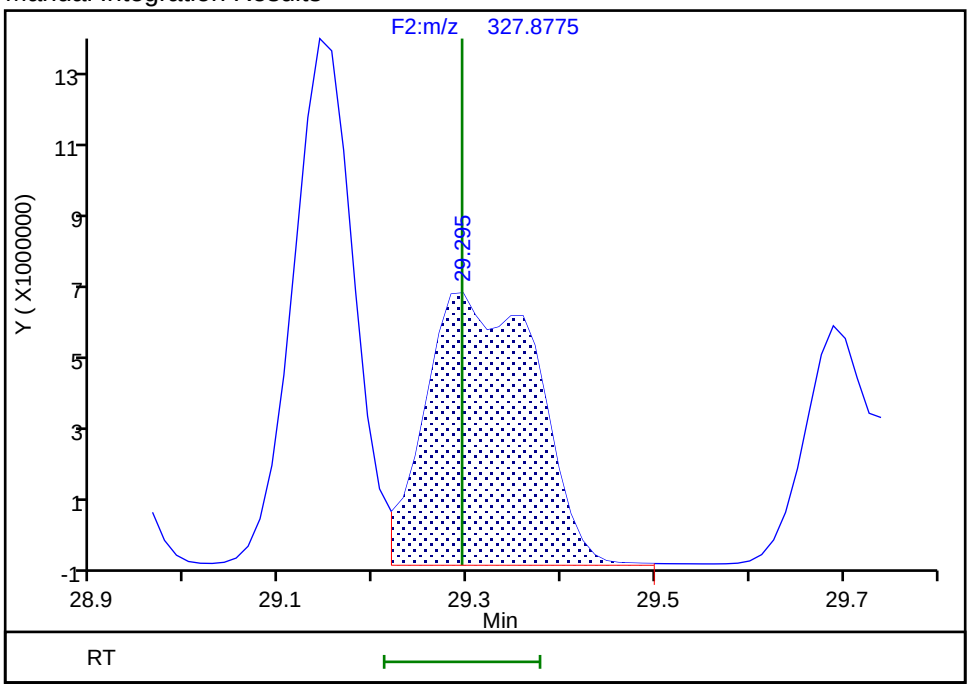
Processing Integration Results

RT: 29.30
Area: 30205769
Amount: 2210.2440
Amount Units: pg/ul




Manual Integration Results

RT: 29.30
Area: 58788917
Amount: 3955.4843
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:45:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

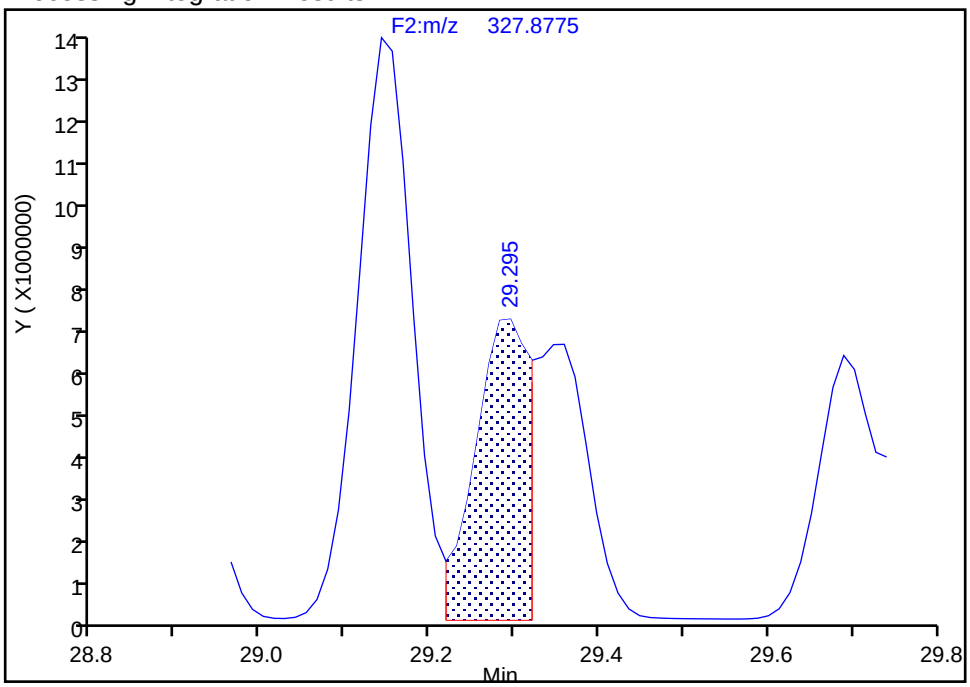
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 3

Processing Integration Results

RT: 29.30
Area: 79050928
Amount: 2210.2440
Amount Units: pg/ul




Manual Integration Results

RT: 29.30
Area: 153788273
Amount: 3955.4843
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:45:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

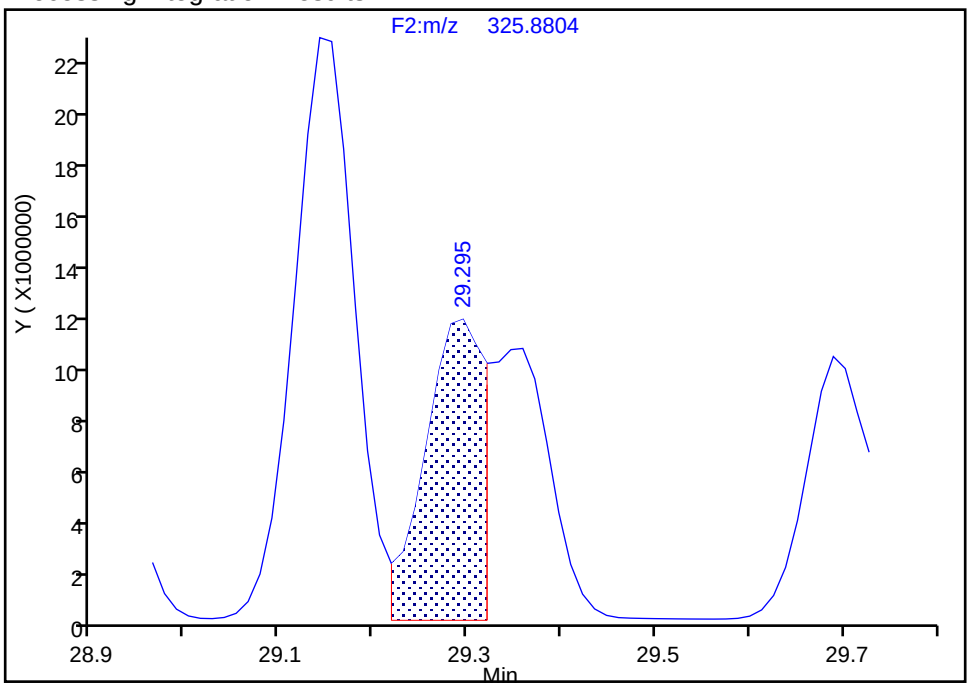
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

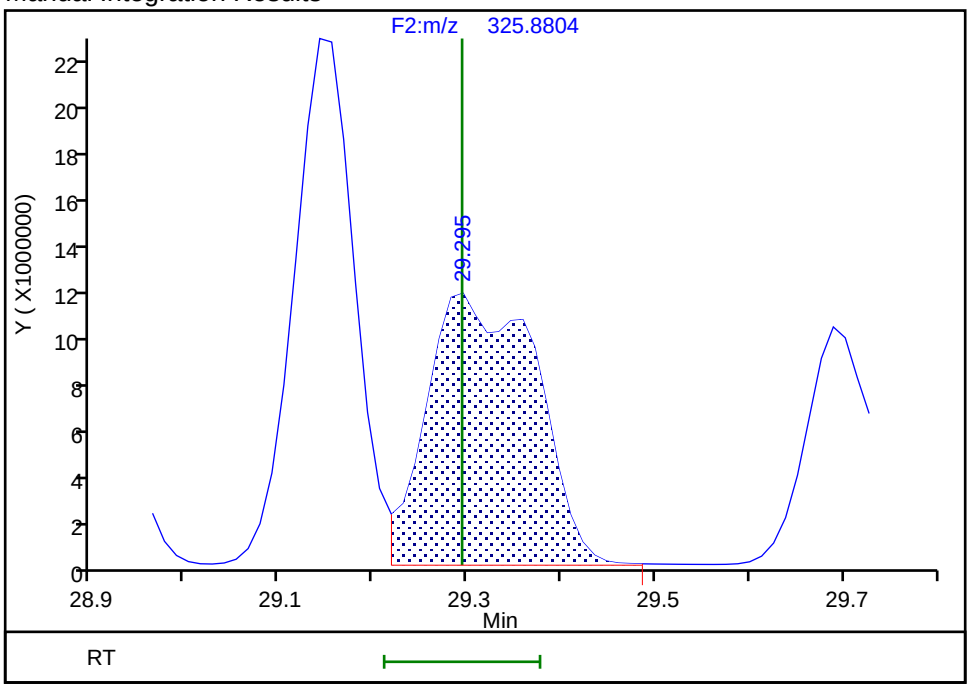
Processing Integration Results

RT: 29.30
Area: 48845159
Amount: 2210.2440
Amount Units: pg/ul




Manual Integration Results

RT: 29.30
Area: 94999356
Amount: 3955.4843
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:45:04
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

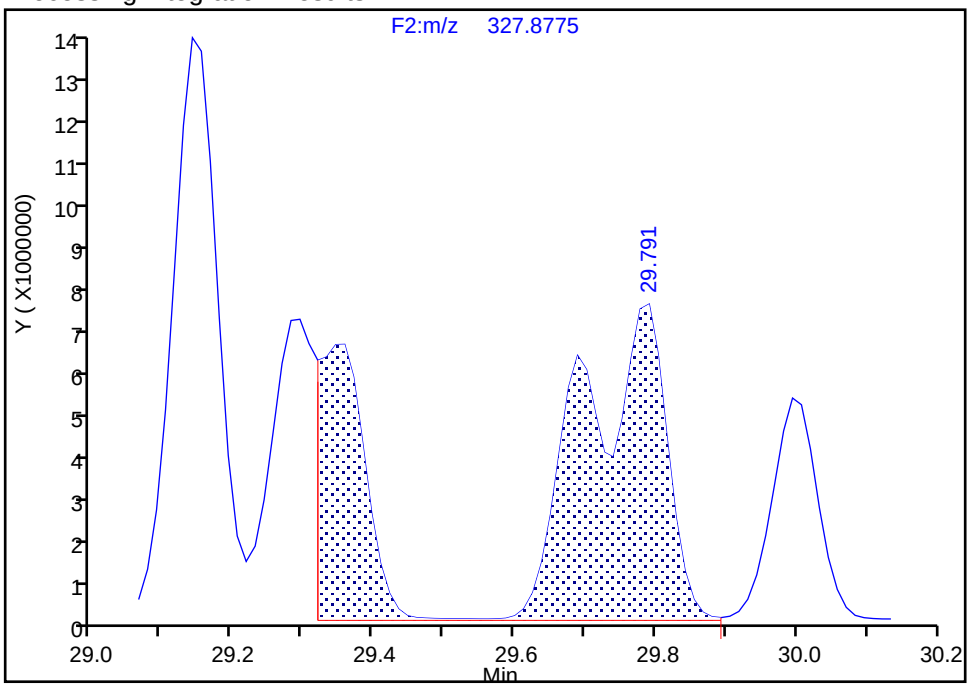
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 2

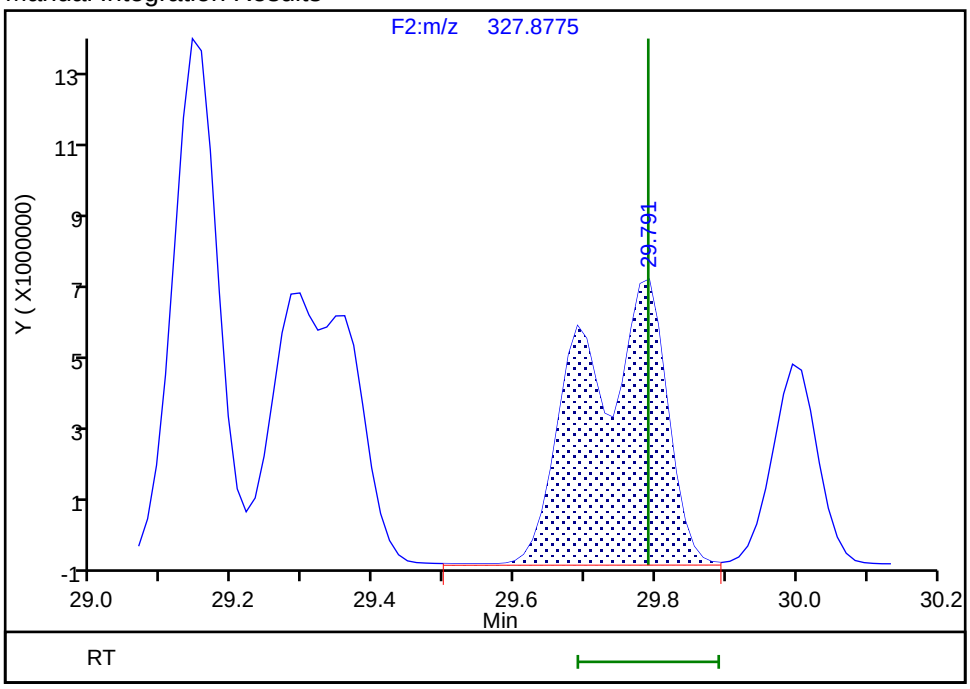
Processing Integration Results

RT: 29.79
Area: 89837264
Amount: 5554.3555
Amount Units: pg/ul




Manual Integration Results

RT: 29.79
Area: 61396032
Amount: 4095.4044
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:45:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

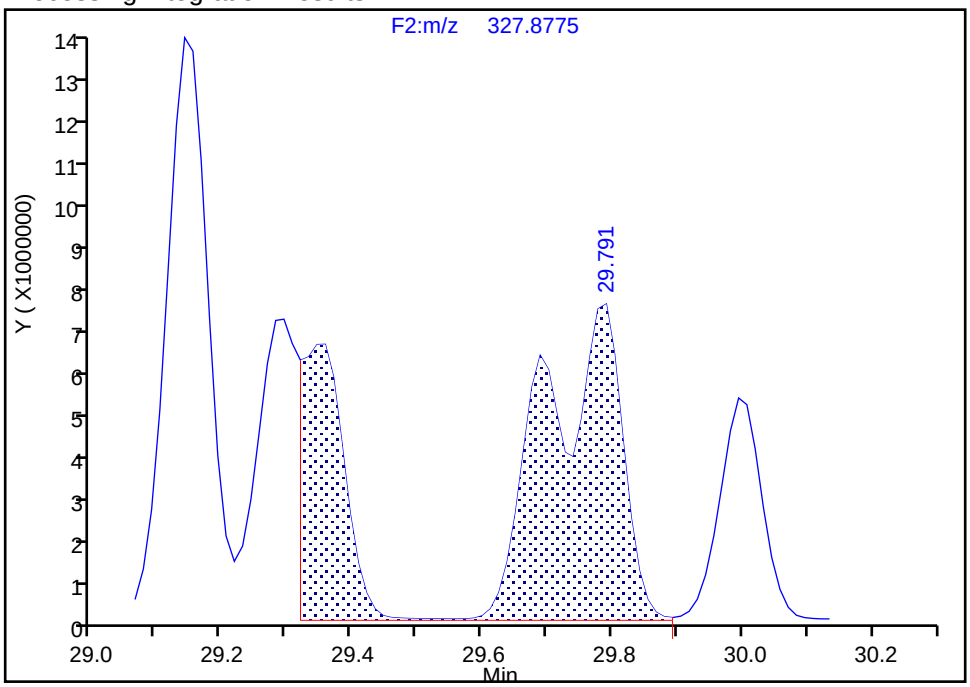
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 3

Processing Integration Results

RT: 29.79
Area: 236901743
Amount: 5554.3555
Amount Units: pg/ul




Manual Integration Results

RT: 29.79
Area: 161872044
Amount: 4095.4044
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:45:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

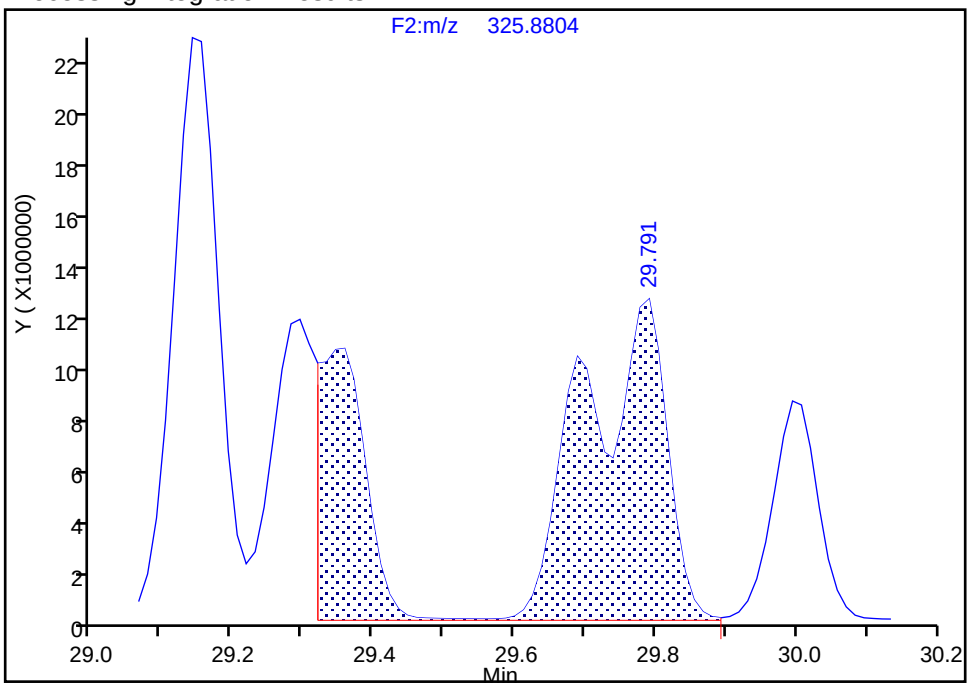
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

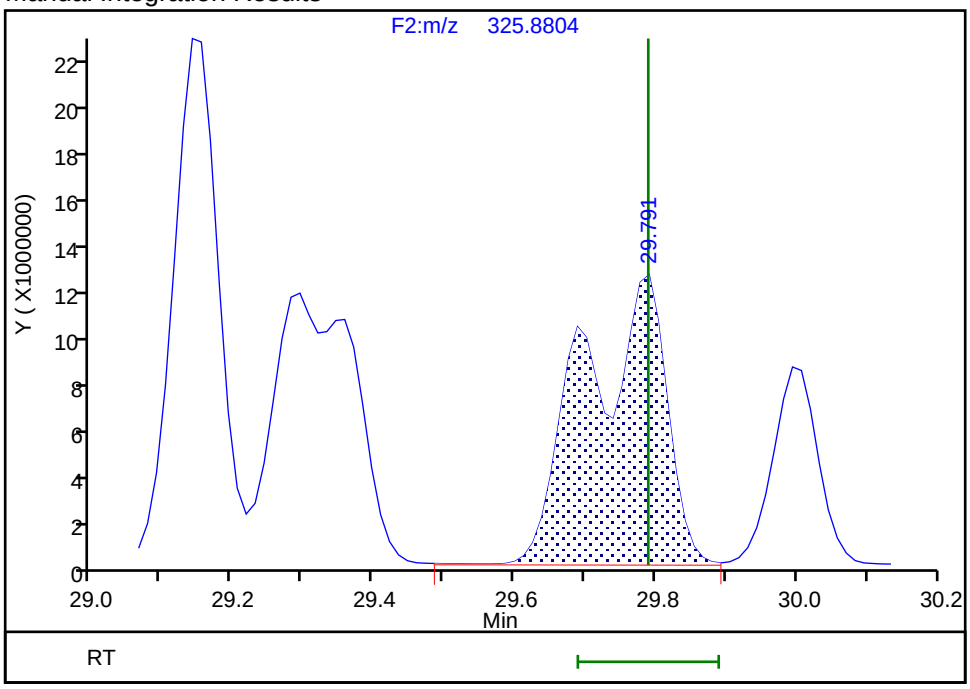
Processing Integration Results

RT: 29.79
Area: 147064479
Amount: 5554.3555
Amount Units: pg/ul




Manual Integration Results

RT: 29.79
Area: 100476012
Amount: 4095.4044
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:45:13

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

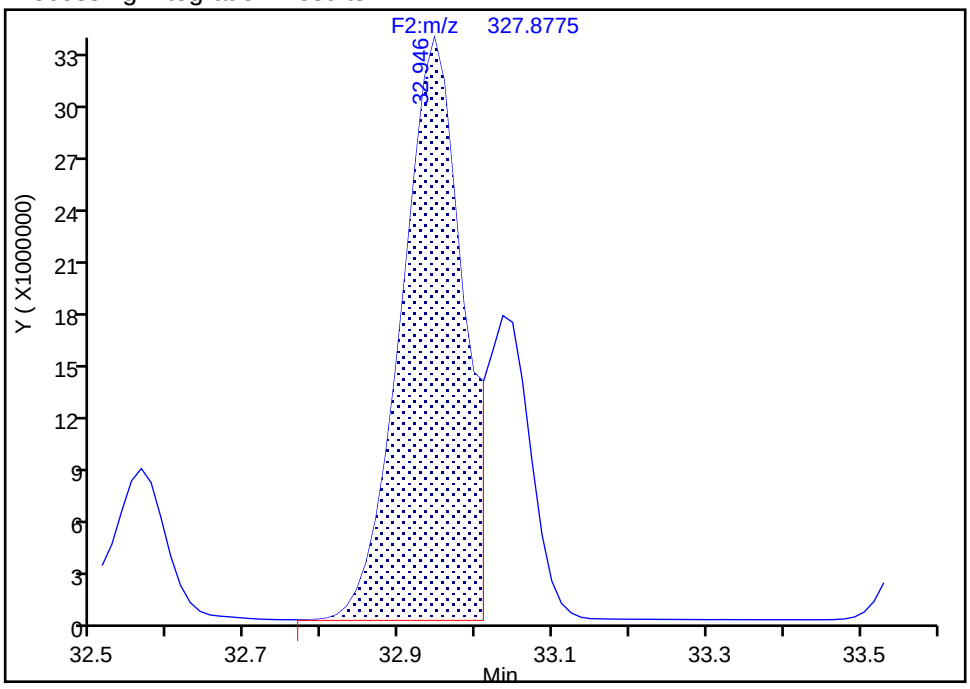
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

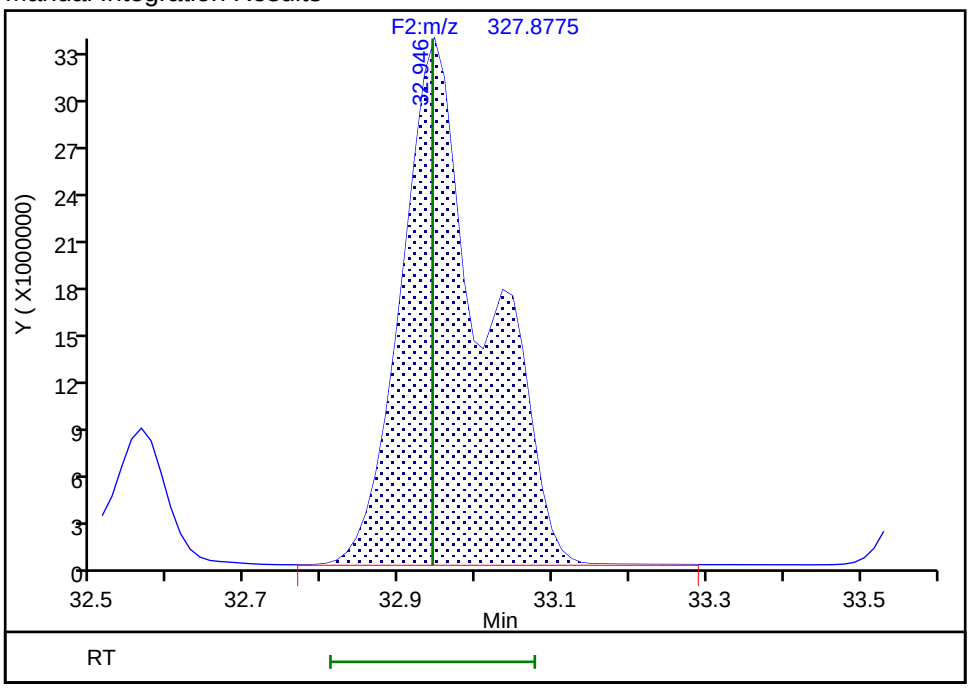
Processing Integration Results

RT: 32.95
Area: 182726782
Amount: 11232
Amount Units: pg/ul




Manual Integration Results

RT: 32.95
Area: 250093101
Amount: 14464
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:45:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

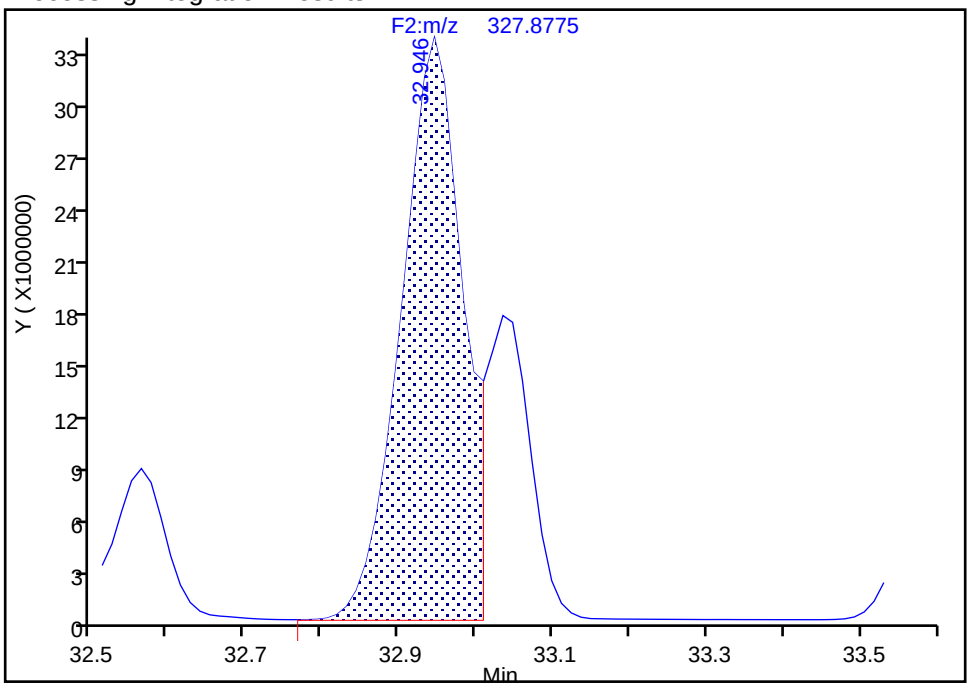
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.95
Area: 500034577
Amount: 11232
Amount Units: pg/ul




Manual Integration Results

RT: 32.95
Area: 680048715
Amount: 14464
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:45:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

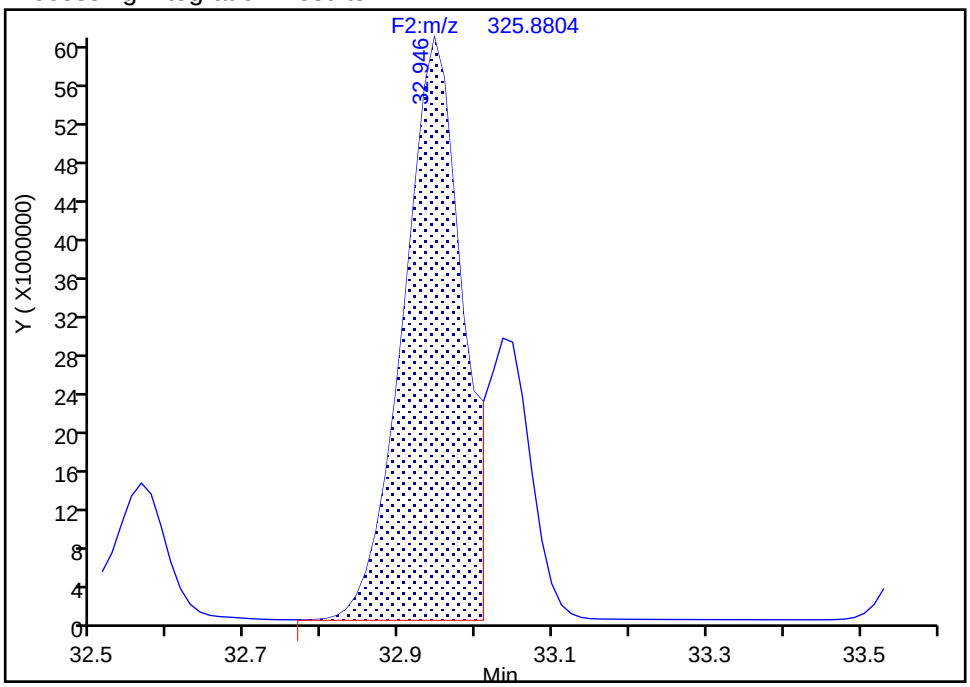
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

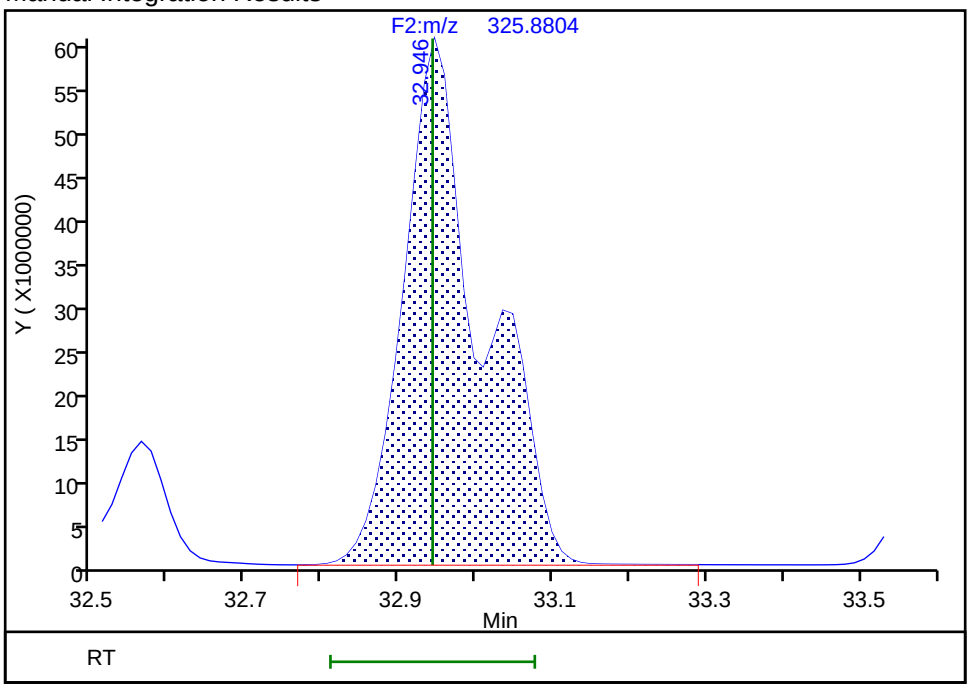
Processing Integration Results

RT: 32.95
Area: 317307795
Amount: 11232
Amount Units: pg/ul




Manual Integration Results

RT: 32.95
Area: 429955614
Amount: 14464
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:45:49
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

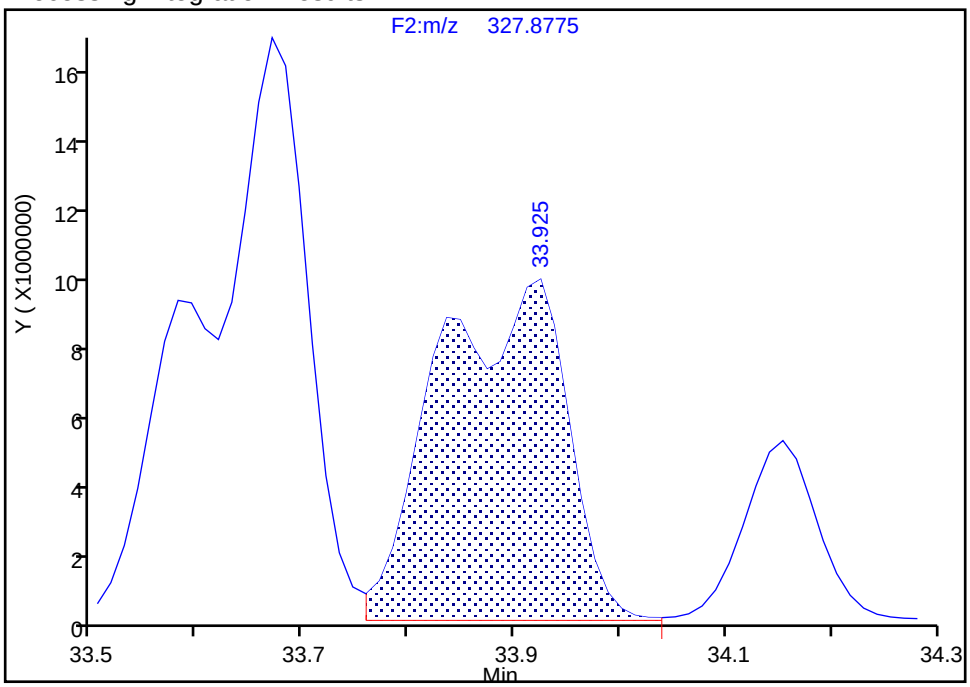
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 2

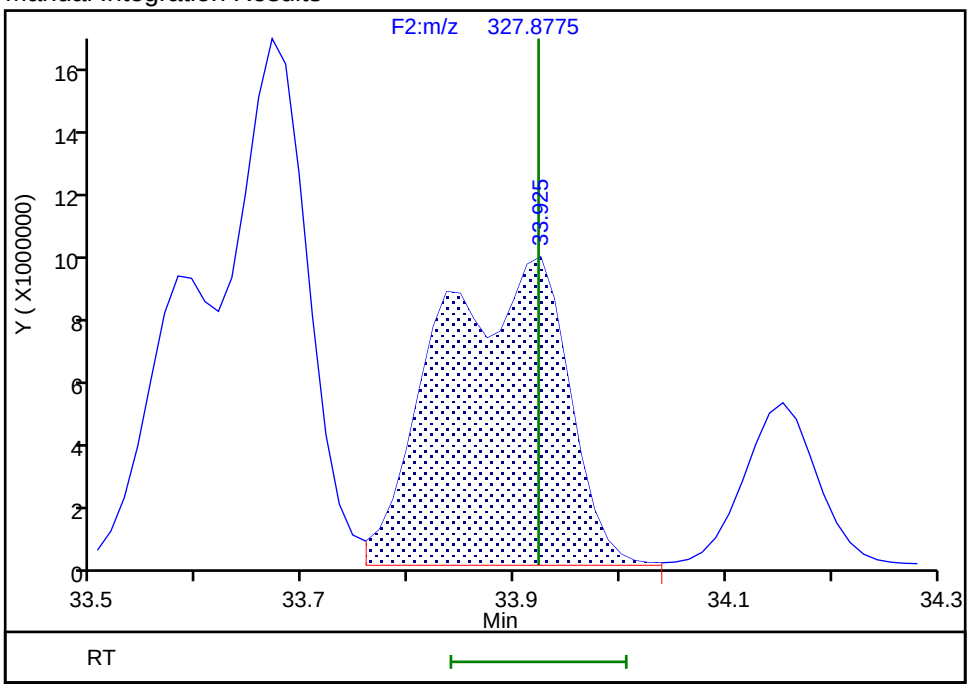
Processing Integration Results

RT: 33.92
Area: 83147392
Amount: 3134.7440
Amount Units: pg/ul




Manual Integration Results

RT: 33.92
Area: 83147392
Amount: 4115.0841
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:46:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

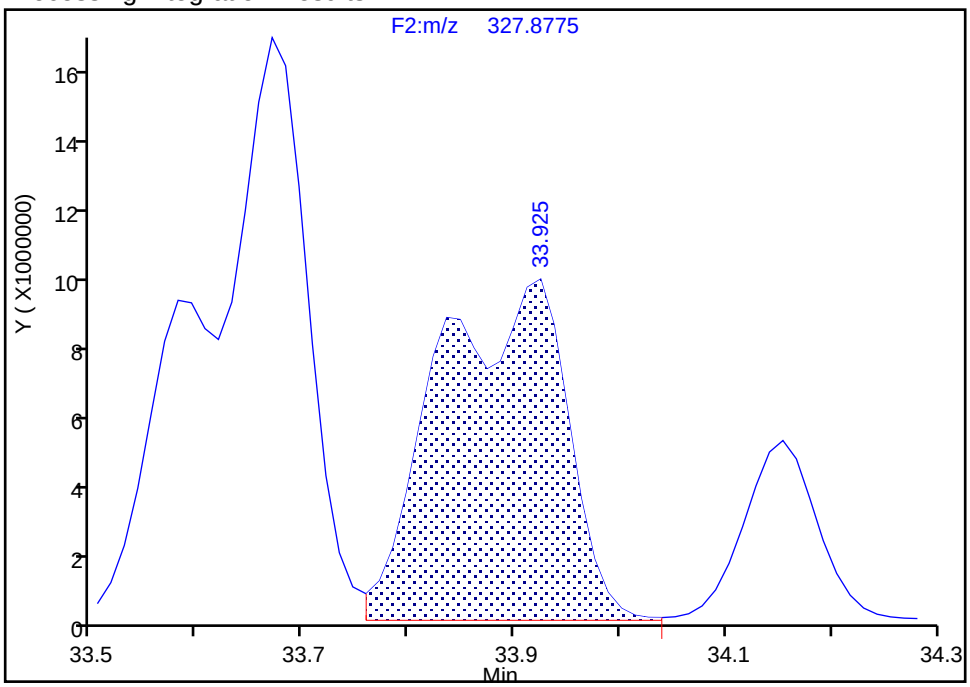
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 3

Processing Integration Results

RT: 33.92
Area: 158706798
Amount: 3134.7440
Amount Units: pg/ul




Manual Integration Results

RT: 33.92
Area: 218611059
Amount: 4115.0841
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:46:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

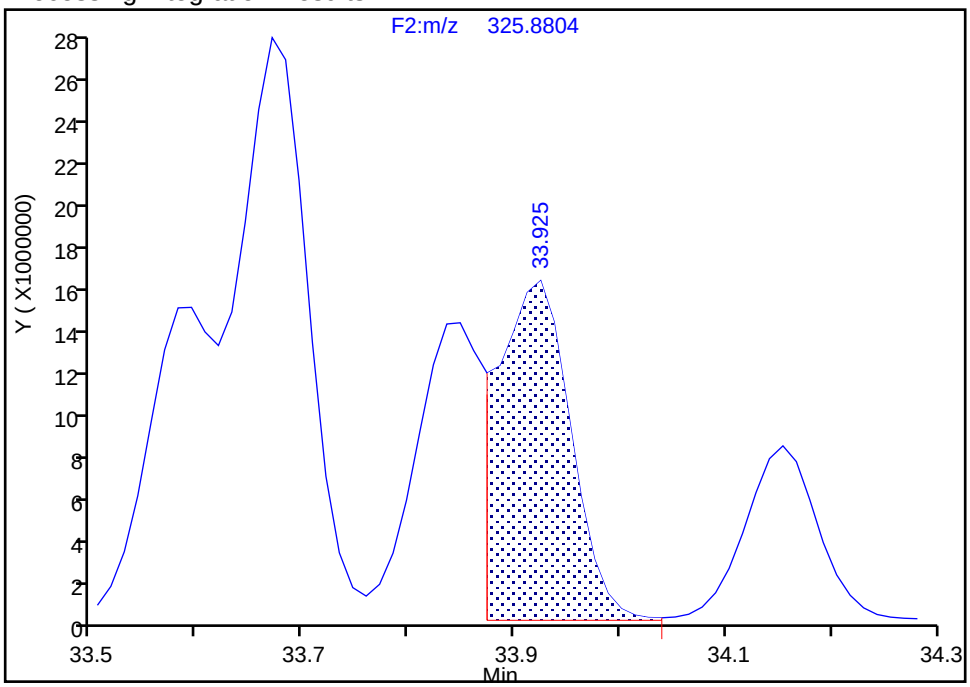
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 1

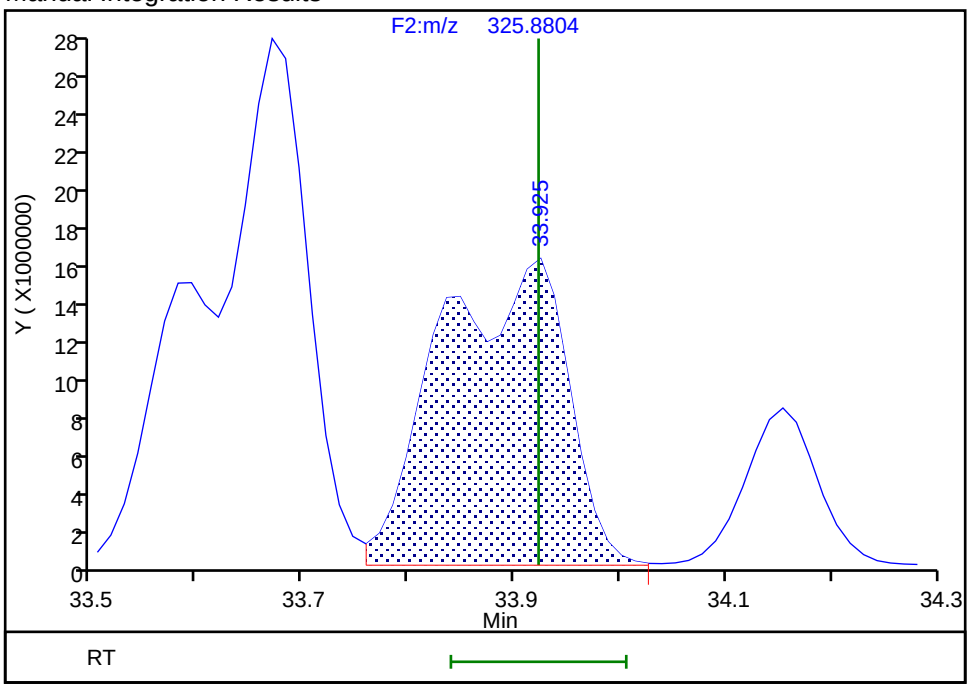
Processing Integration Results

RT: 33.92
Area: 75559406
Amount: 3134.7440
Amount Units: pg/ul




Manual Integration Results

RT: 33.92
Area: 135463667
Amount: 4115.0841
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:46:18
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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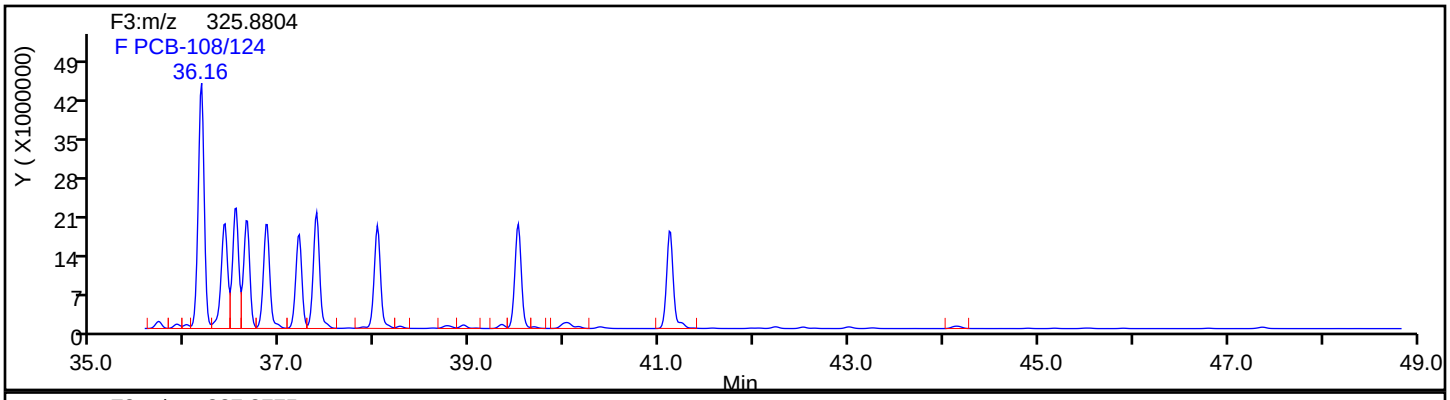
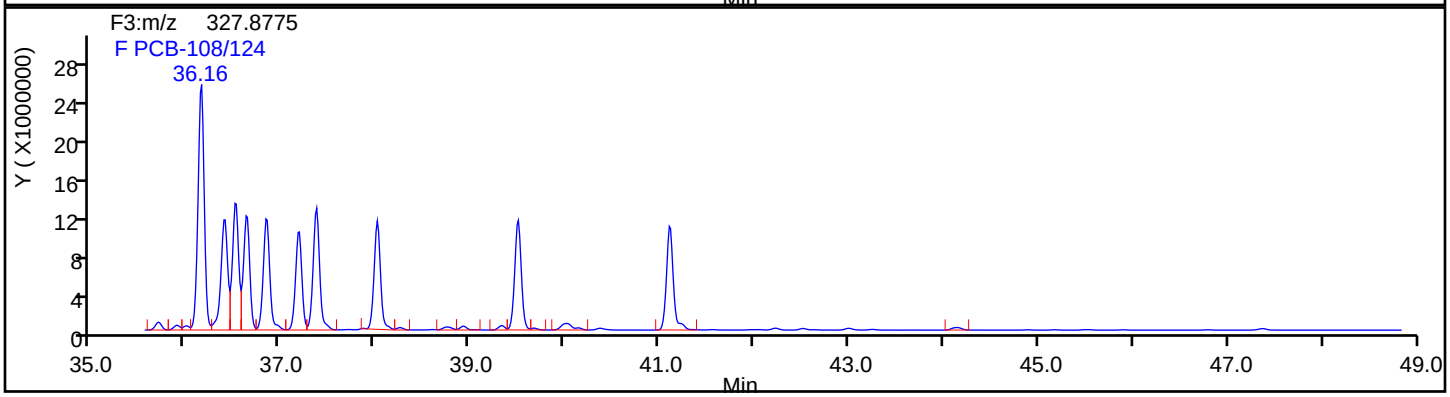
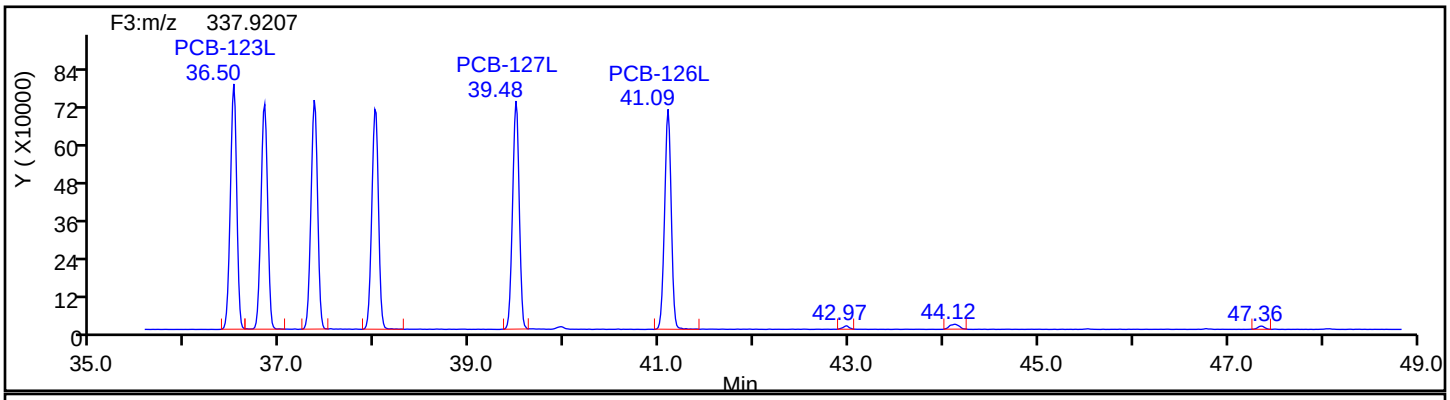
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

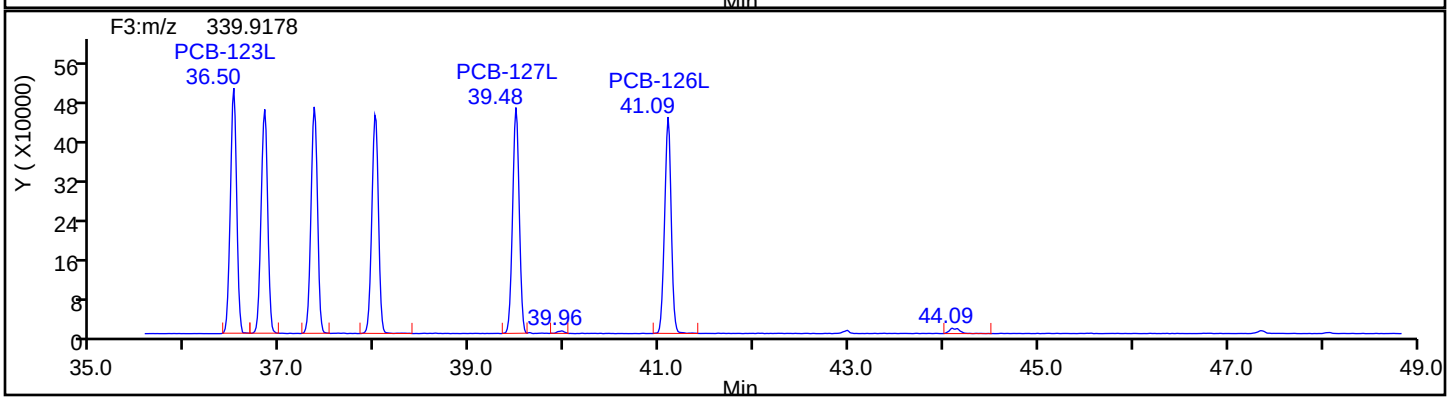
PePCB F3




PePCB F3 Standards

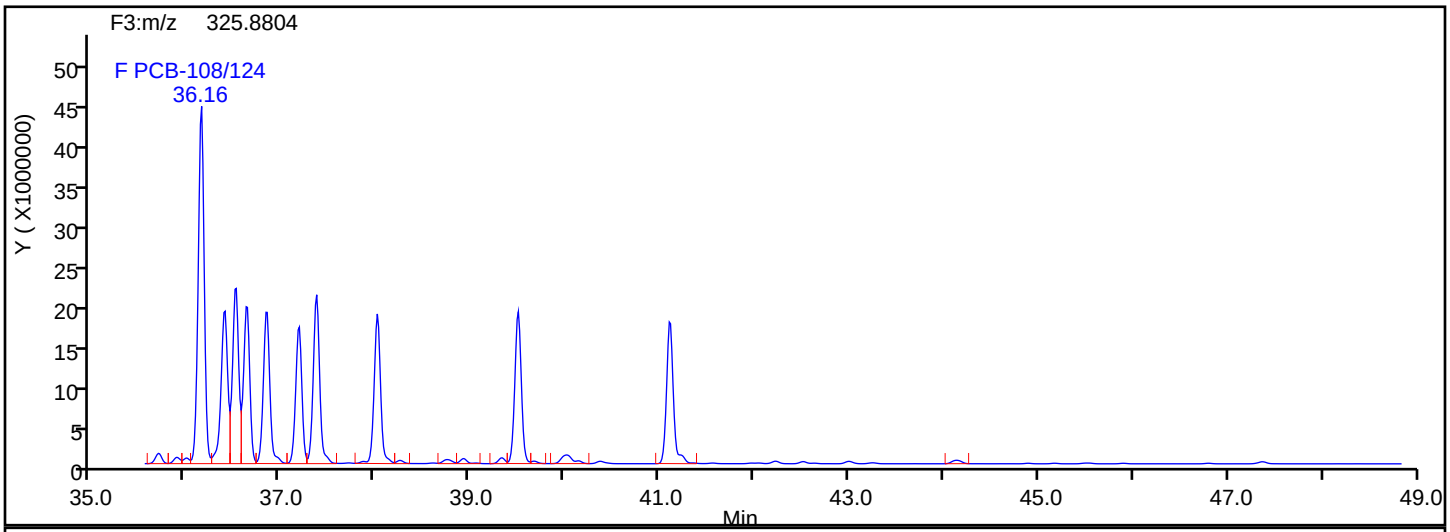


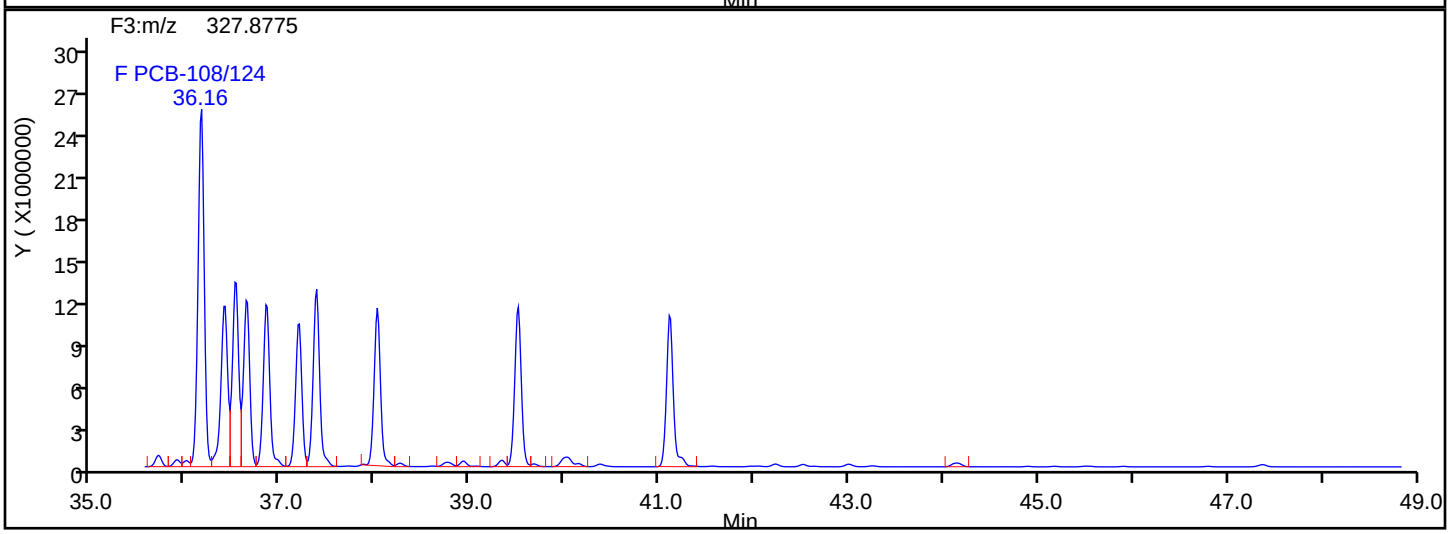



Eurofins TestAmerica, Knoxville

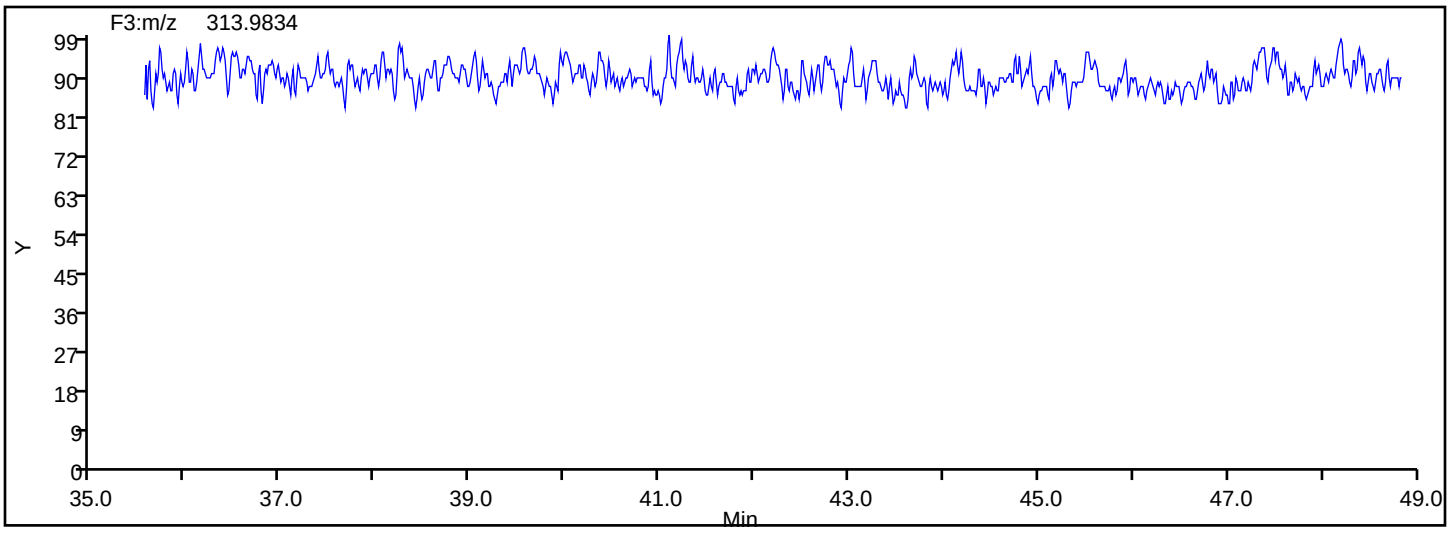
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

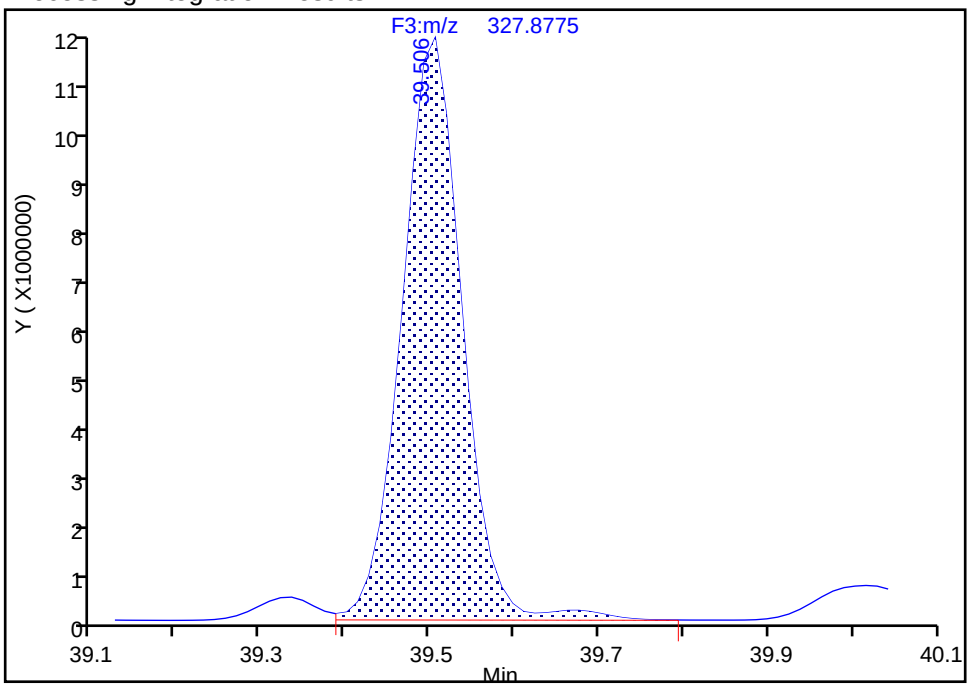
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-127, CAS: 39635-33-1

Signal: 2

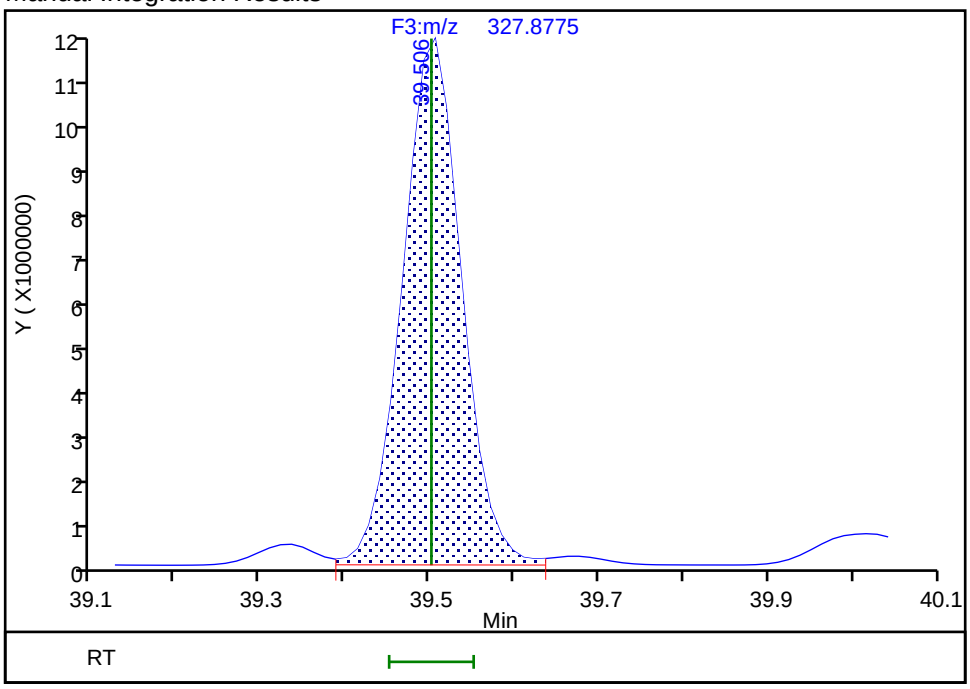
Processing Integration Results

RT: 39.51
Area: 56821096
Amount: 2002.8167
Amount Units: pg/ul




Manual Integration Results

RT: 39.51
Area: 55940990
Amount: 1977.2839
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:46:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

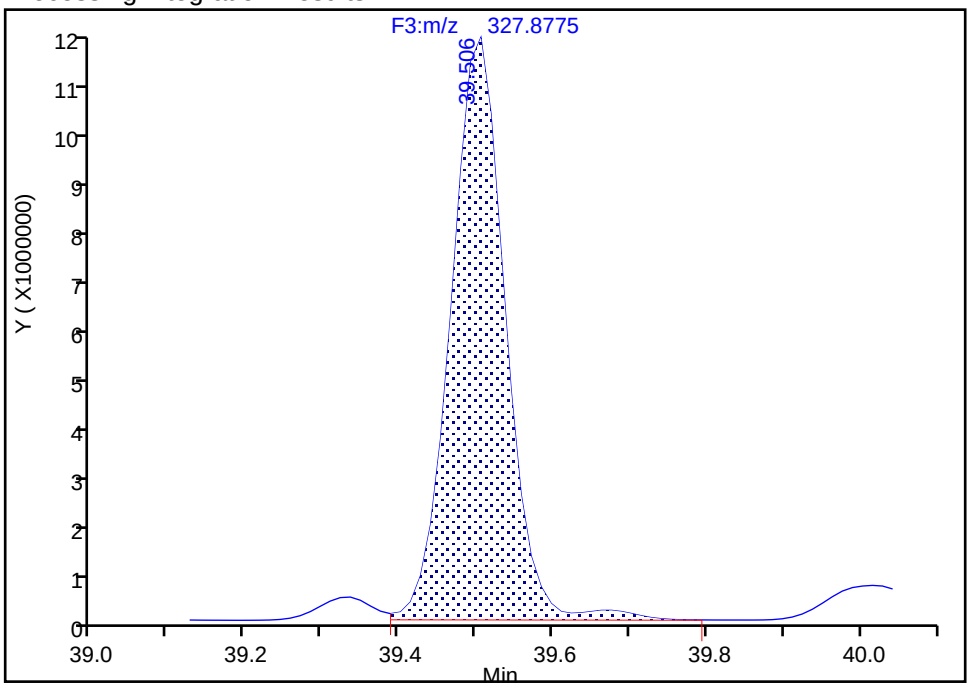
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-127, CAS: 39635-33-1

Signal: 3

Processing Integration Results

RT: 39.51
Area: 149040063
Amount: 2002.8167
Amount Units: pg/ul




Manual Integration Results

RT: 39.51
Area: 146765196
Amount: 1977.2839
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:46:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

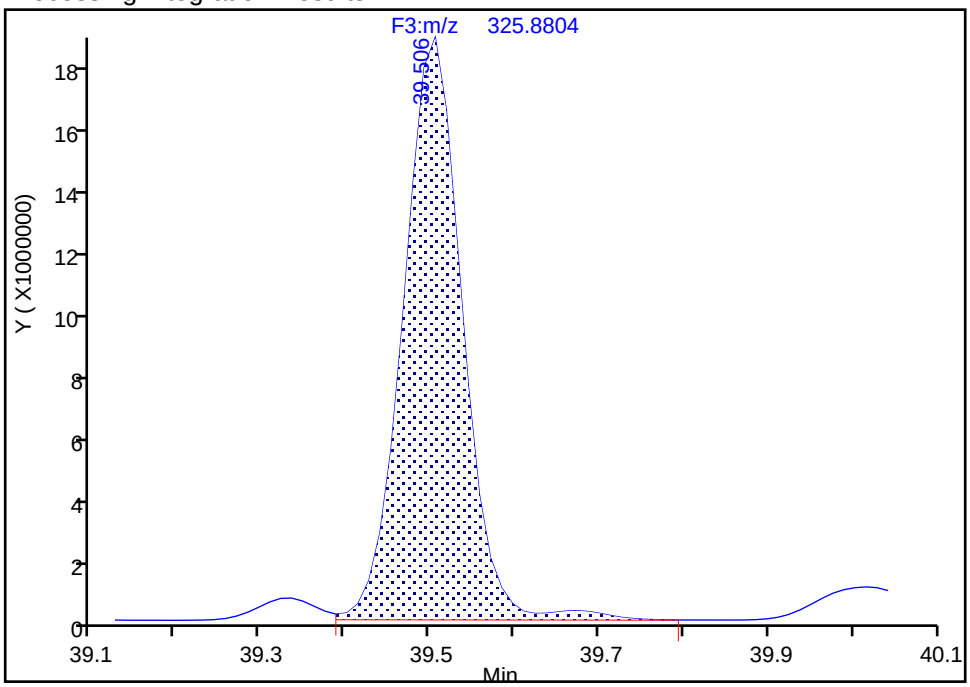
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-127, CAS: 39635-33-1

Signal: 1

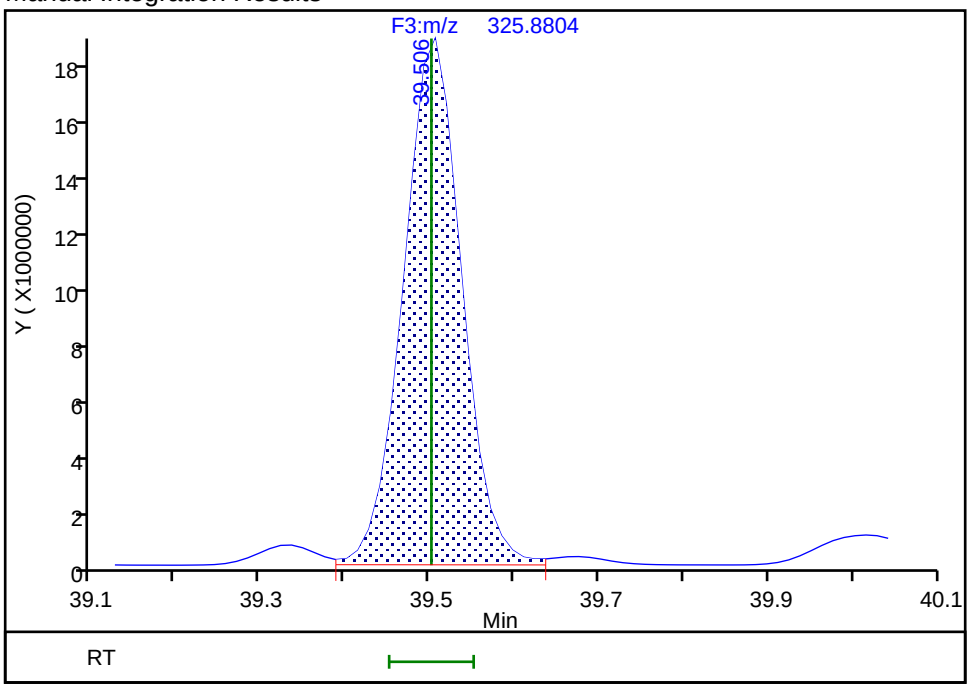
Processing Integration Results

RT: 39.51
Area: 92218967
Amount: 2002.8167
Amount Units: pg/ul




Manual Integration Results

RT: 39.51
Area: 90824206
Amount: 1977.2839
Amount Units: pg/ul

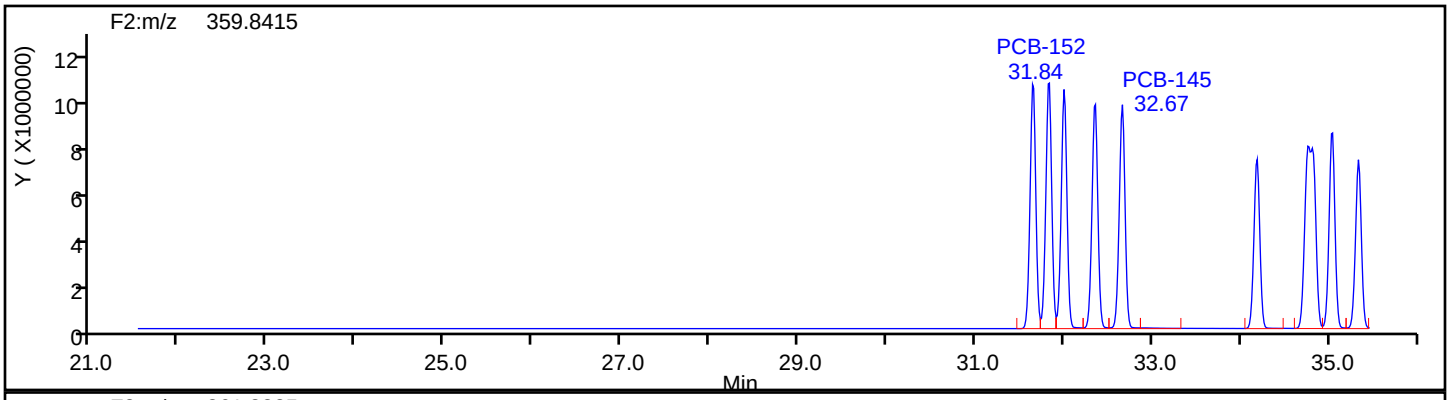


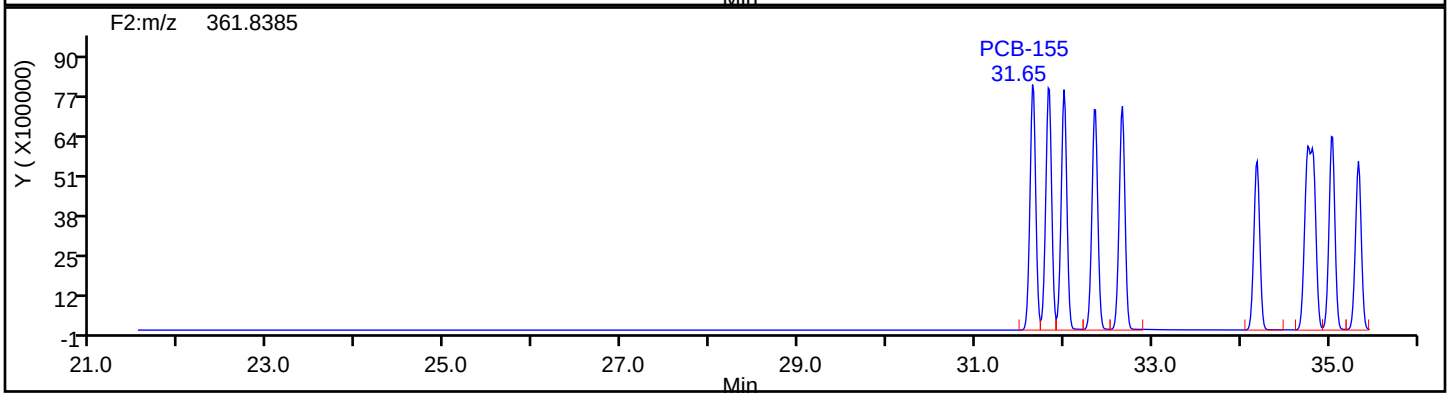

Reviewer: mcwhirterl, 22-Aug-2019 01:46:54
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

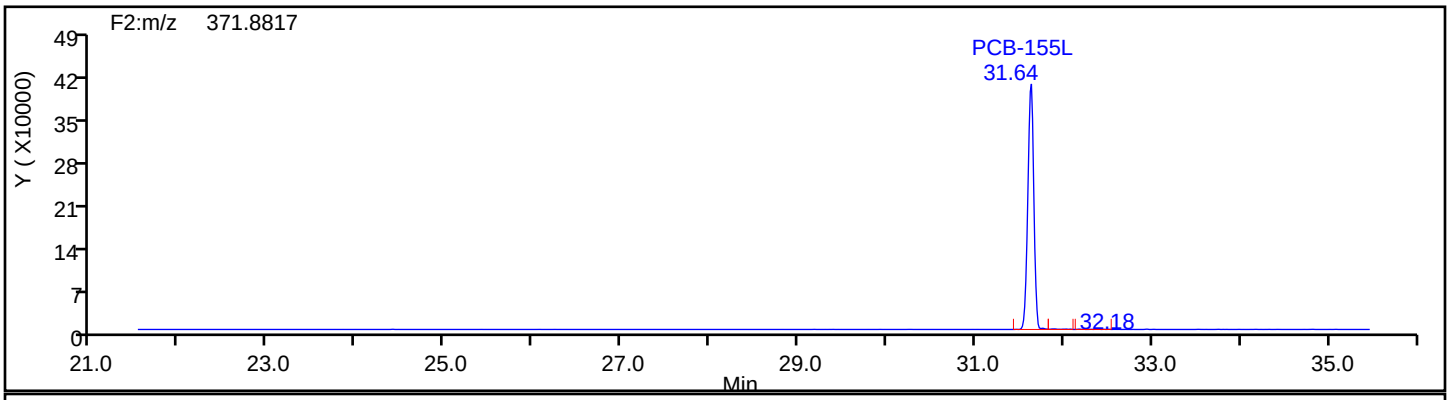
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

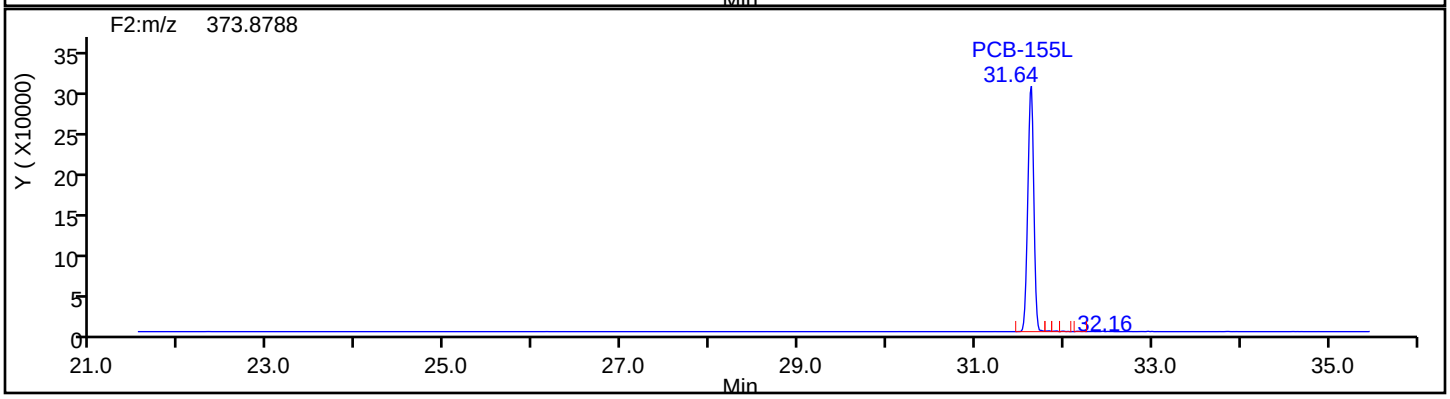
HxPCB F2




HxPCB F2 Standards

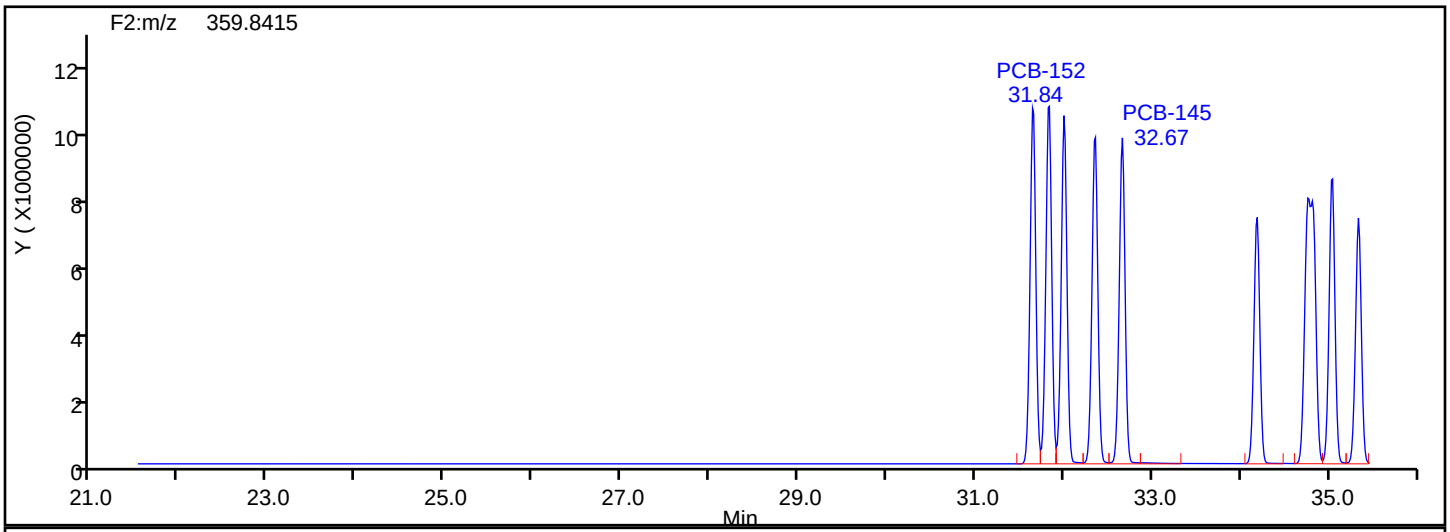


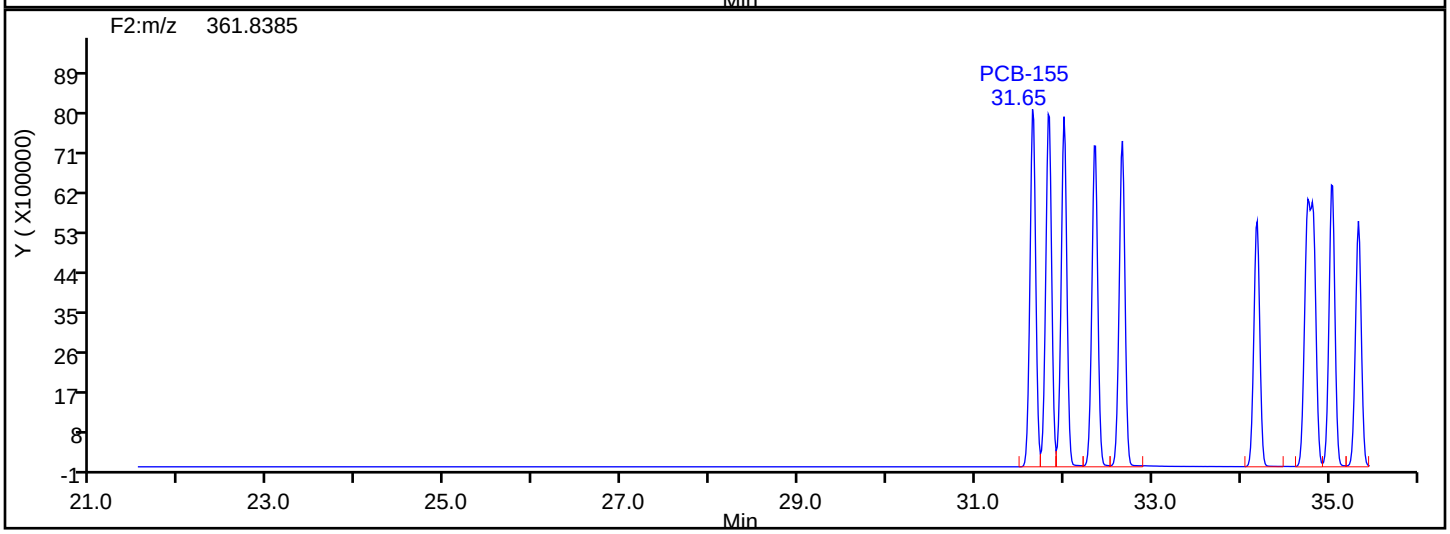



Eurofins TestAmerica, Knoxville

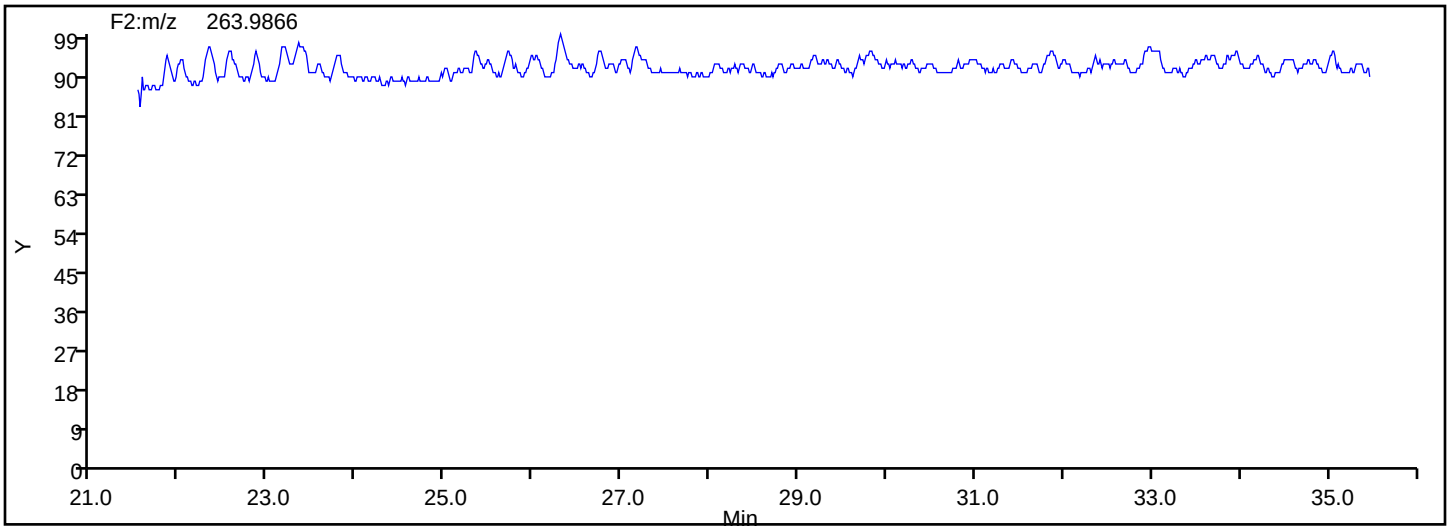
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

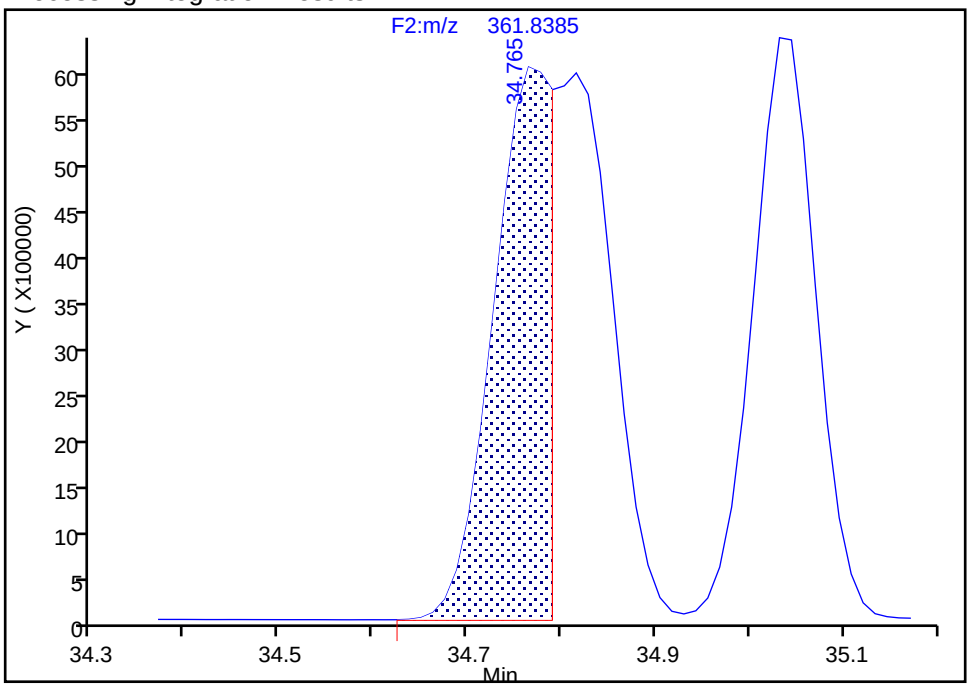
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

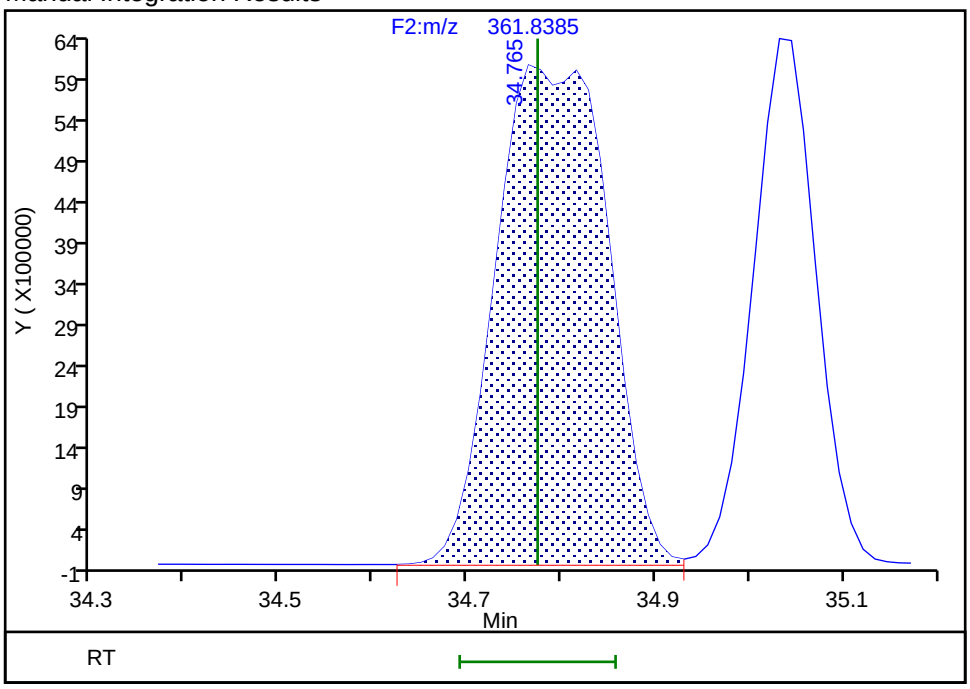
Processing Integration Results

RT: 34.76
Area: 24609219
Amount: 2095.7858
Amount Units: pg/ul




Manual Integration Results

RT: 34.76
Area: 49979592
Amount: 3918.8451
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:47:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

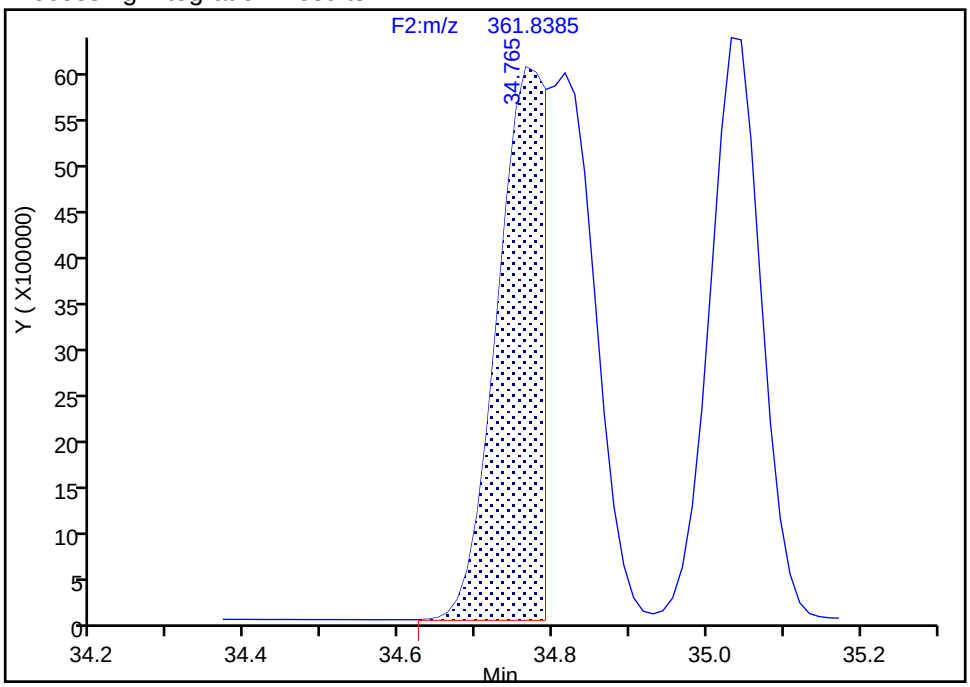
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.76
Area: 55702560
Amount: 2095.7858
Amount Units: pg/ul




Manual Integration Results

RT: 34.76
Area: 113612301
Amount: 3918.8451
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:47:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

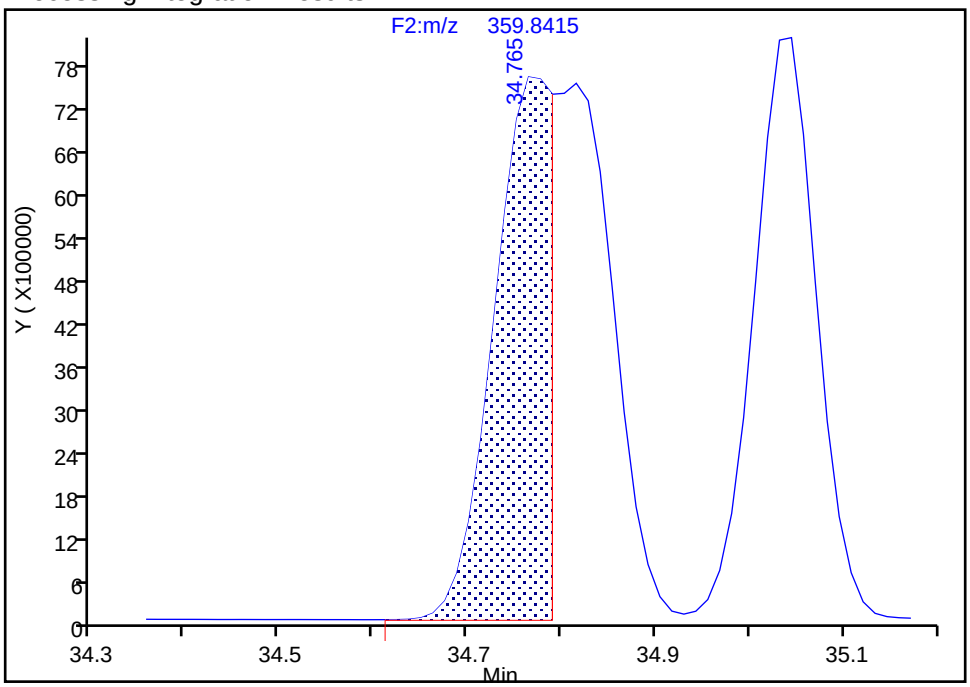
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 1

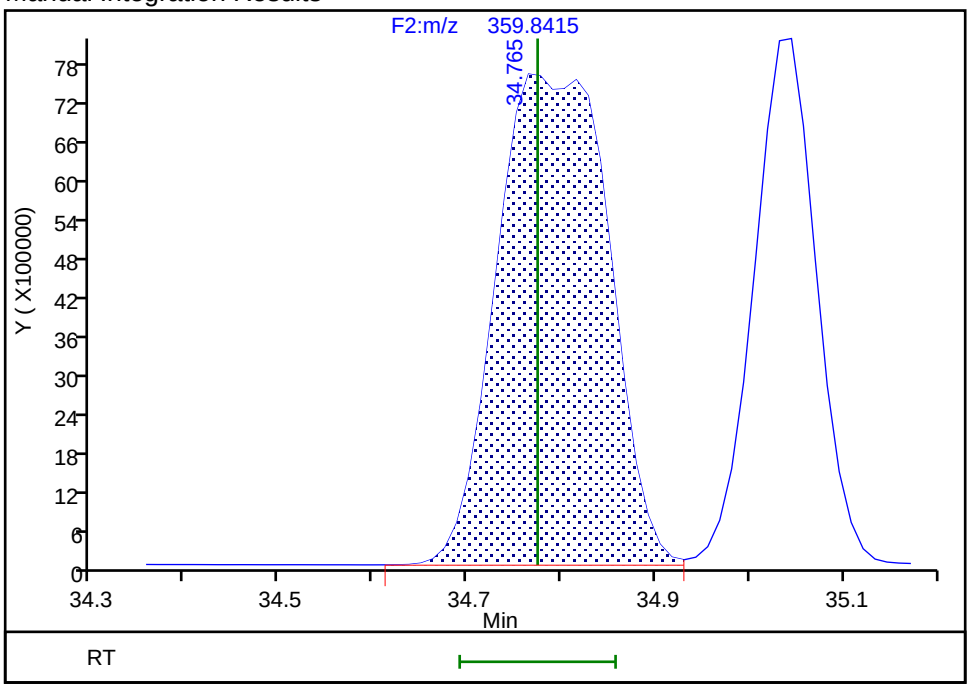
Processing Integration Results

RT: 34.76
Area: 31093341
Amount: 2095.7858
Amount Units: pg/ul




Manual Integration Results

RT: 34.76
Area: 63632709
Amount: 3918.8451
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:47:32
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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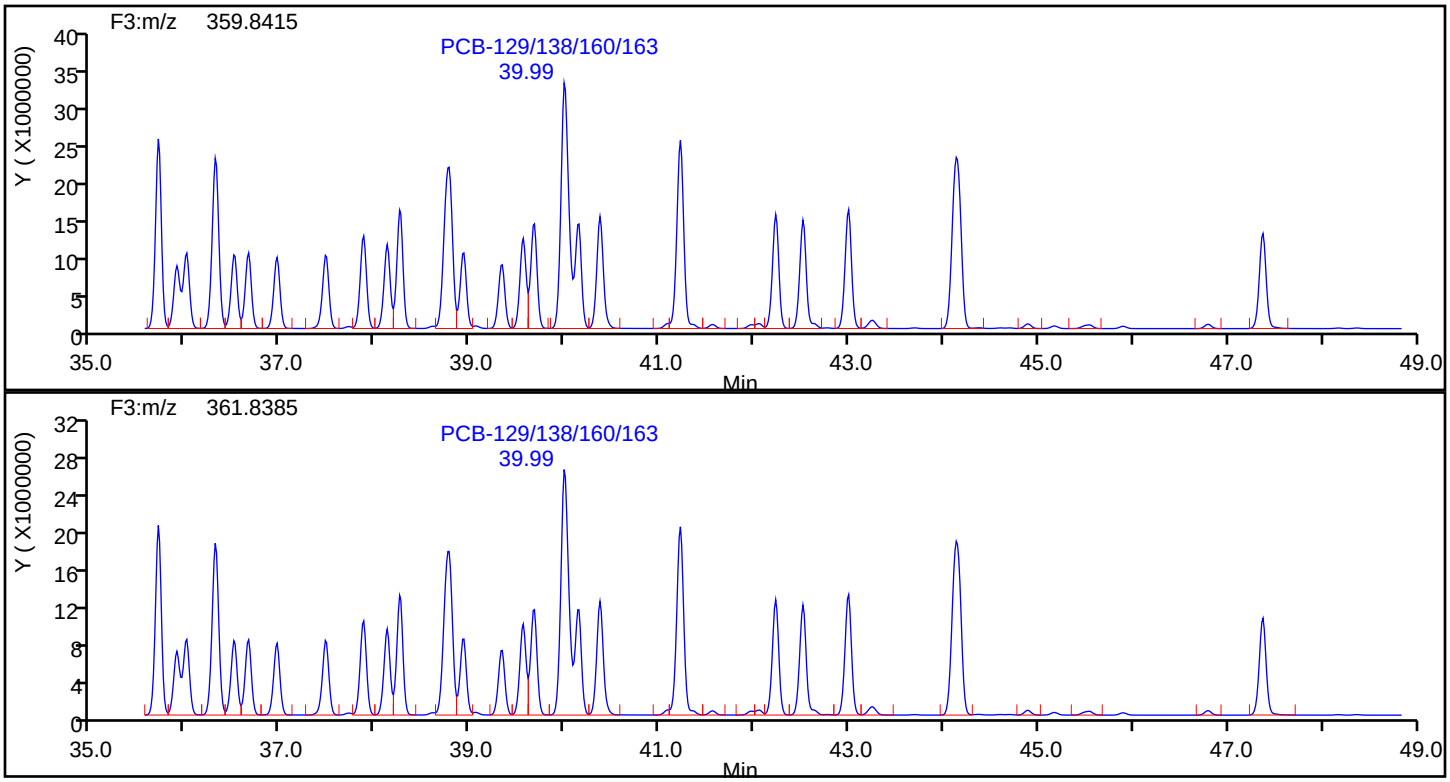
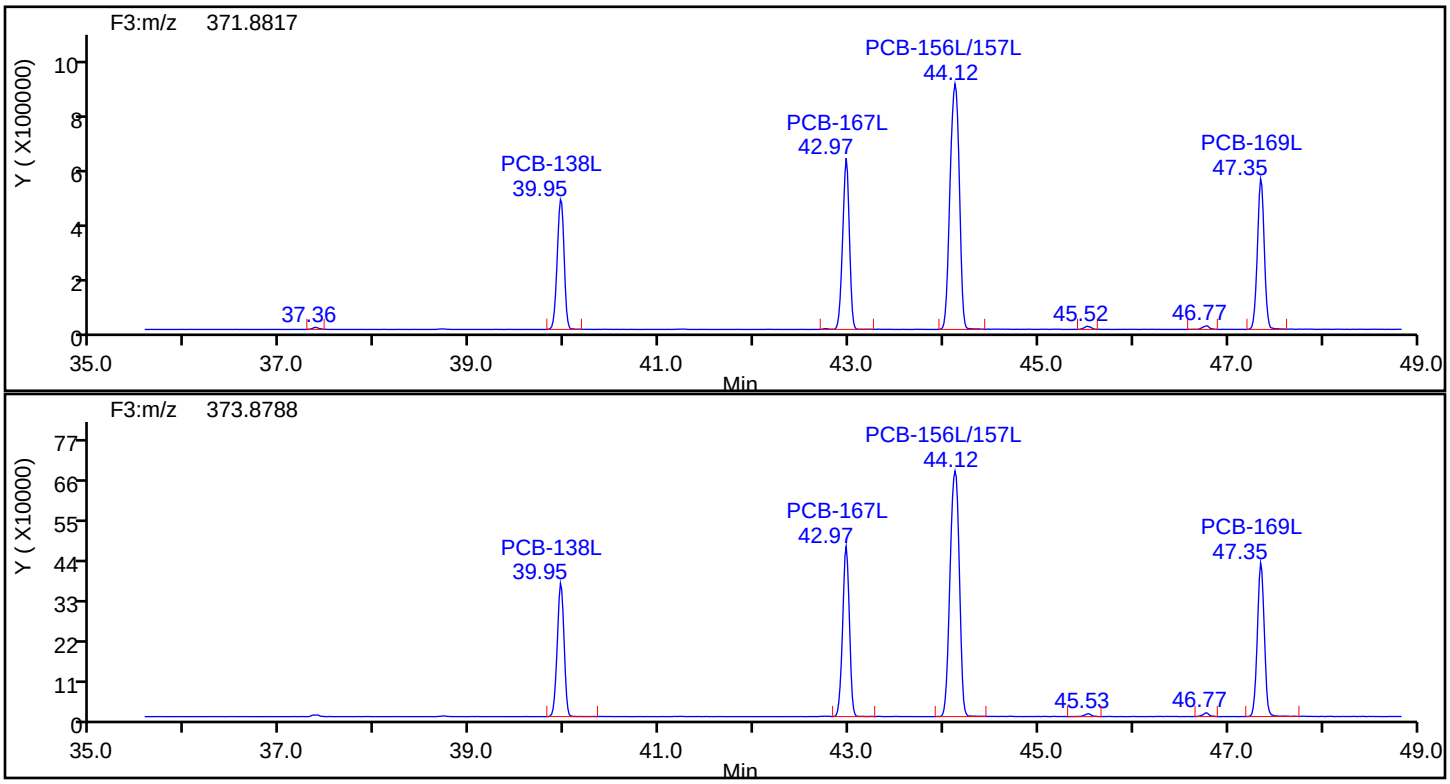
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



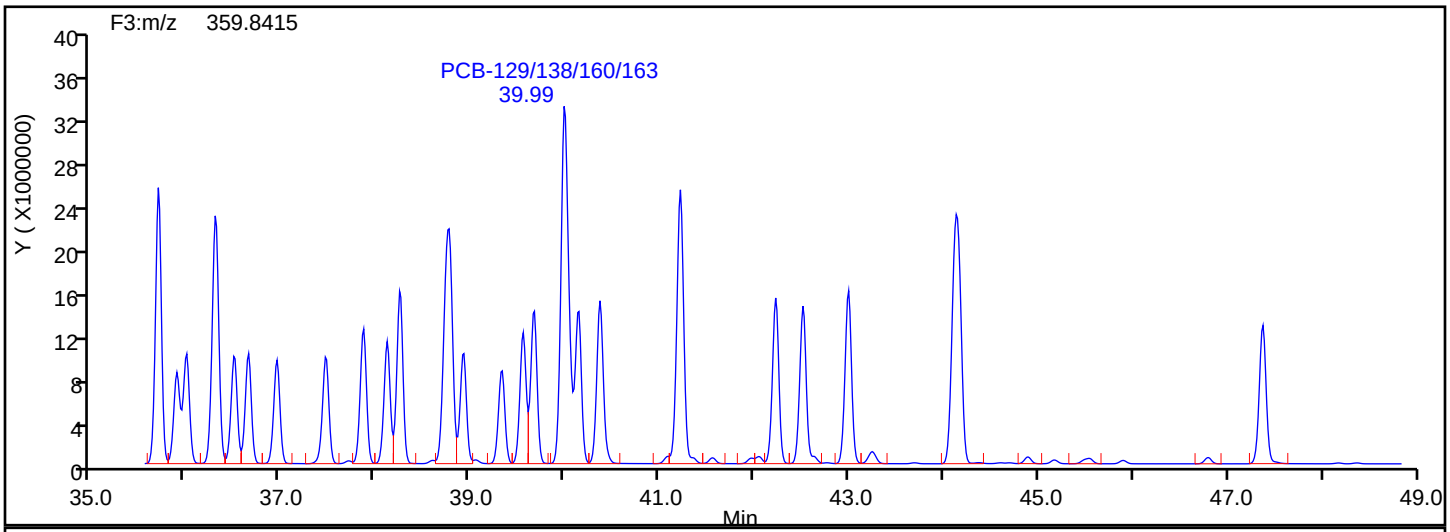

HxPCB F3 Standards

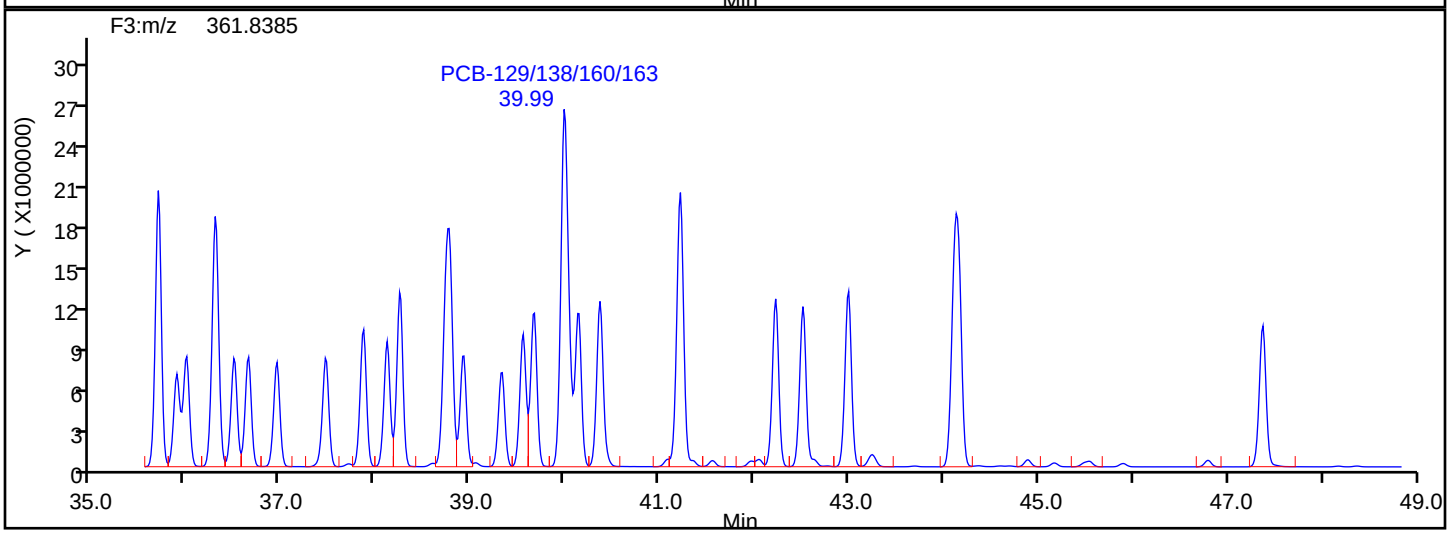


Eurofins TestAmerica, Knoxville

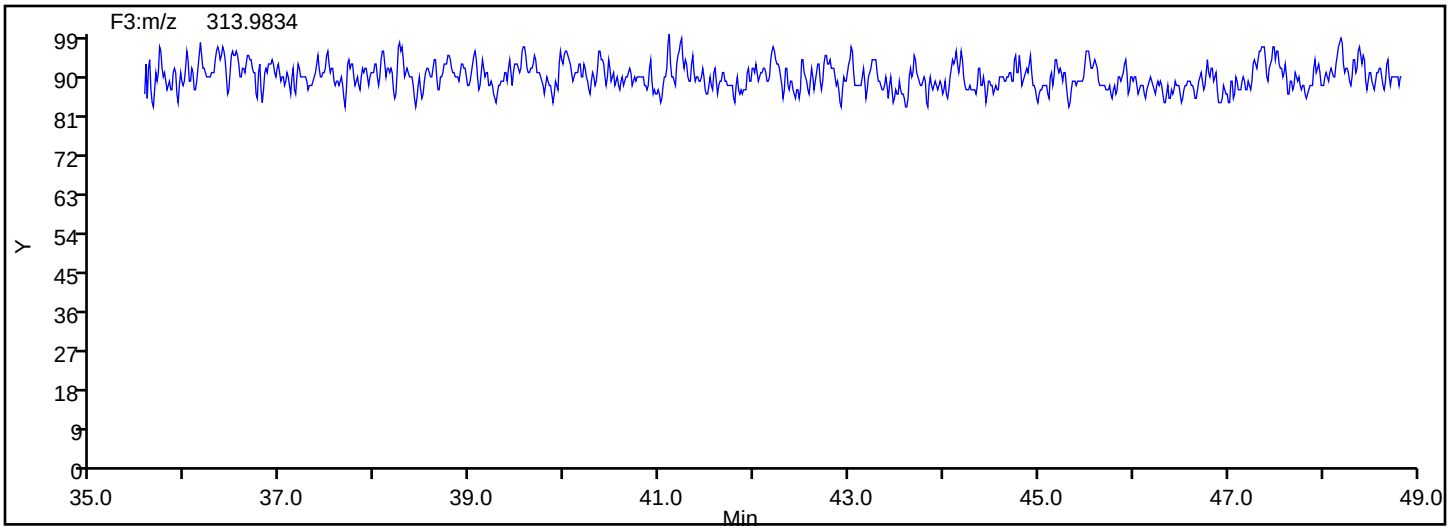
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

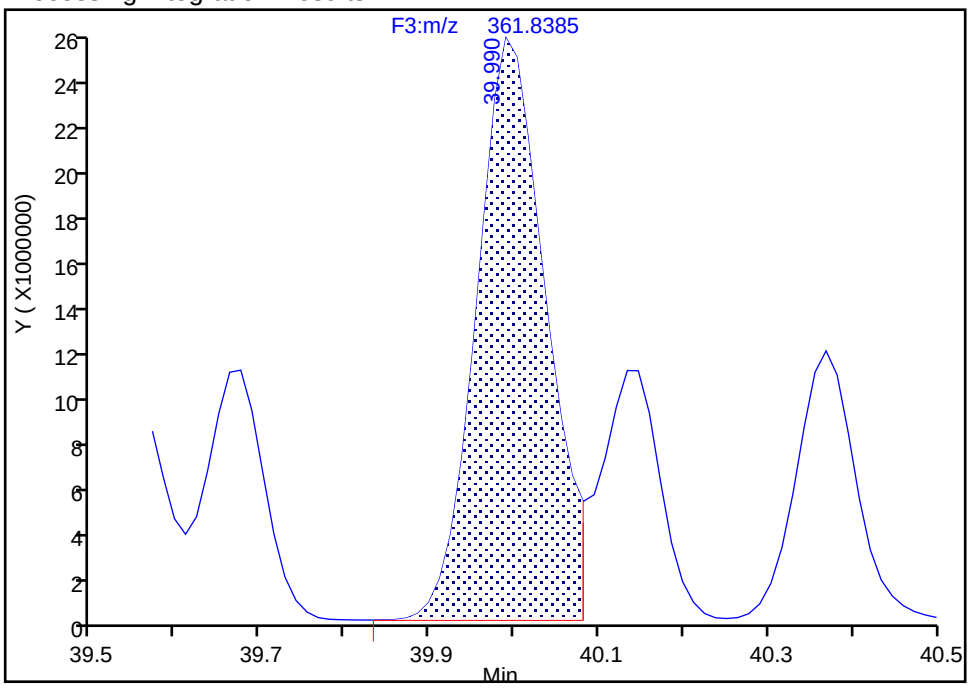
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

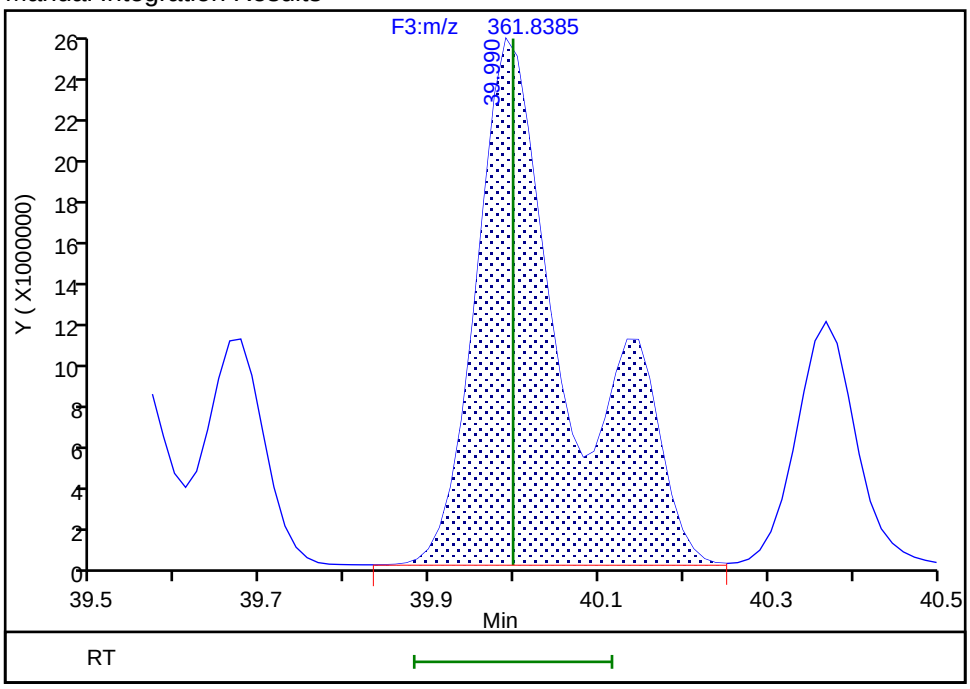
Processing Integration Results

RT: 39.99
Area: 146778002
Amount: 6198.1052
Amount Units: pg/ul




Manual Integration Results

RT: 39.99
Area: 200878217
Amount: 8093.4323
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:48:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

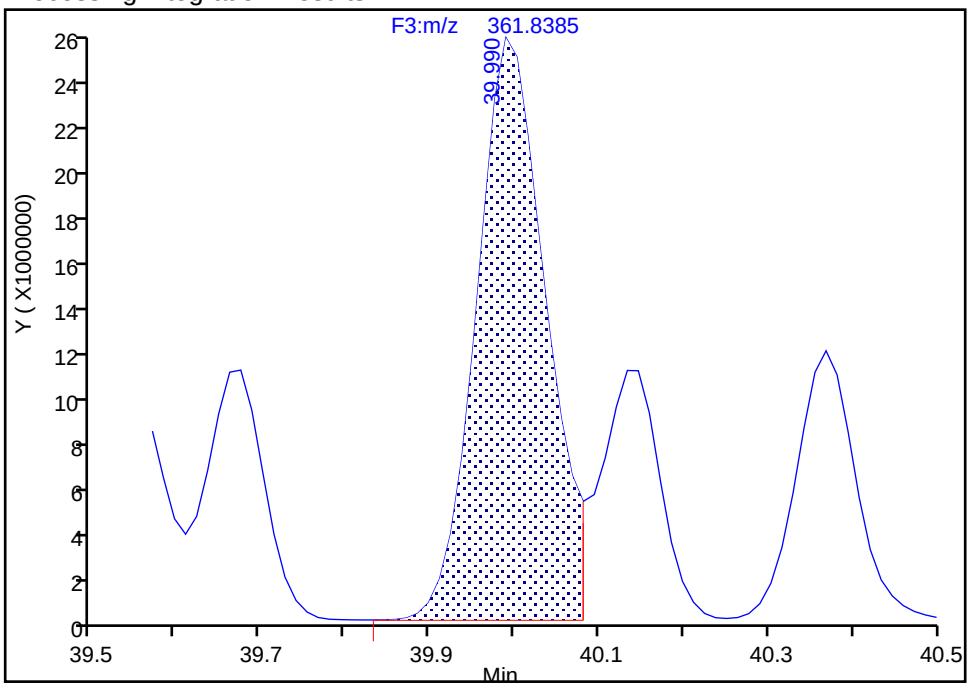
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 3

Processing Integration Results

RT: 39.99
Area: 332357444
Amount: 6198.1052
Amount Units: pg/ul




Manual Integration Results

RT: 39.99
Area: 454601428
Amount: 8093.4323
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:48:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

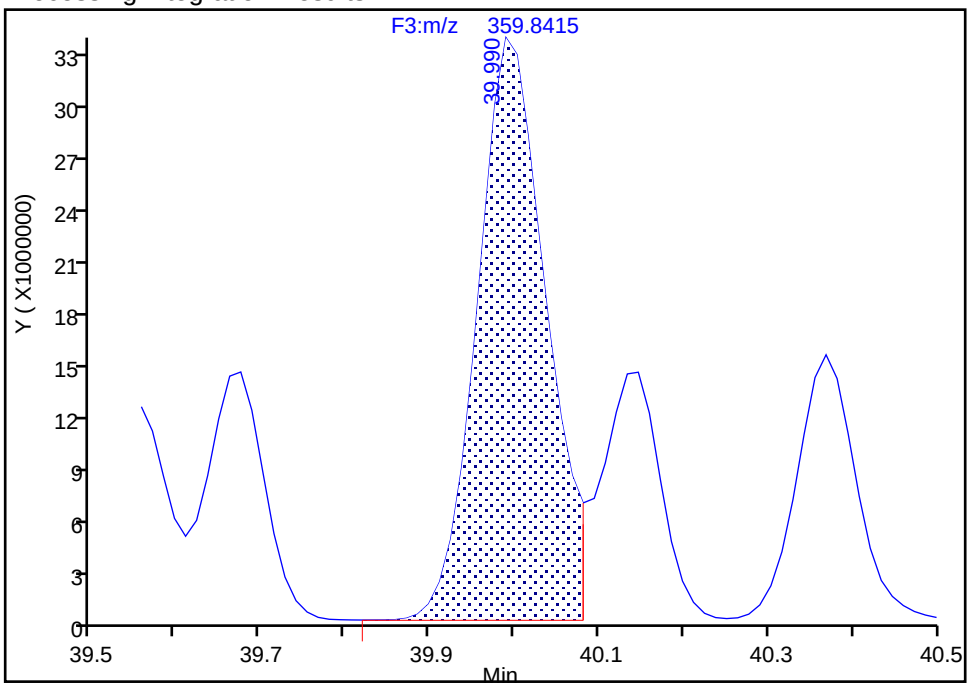
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

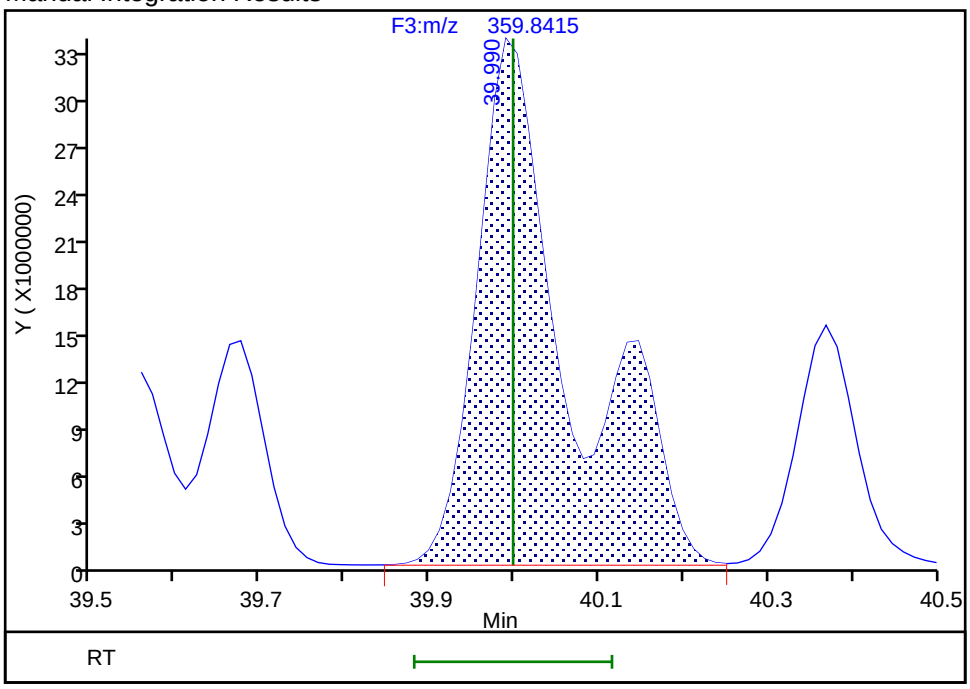
Processing Integration Results

RT: 39.99
Area: 185579442
Amount: 6198.1052
Amount Units: pg/ul




Manual Integration Results

RT: 39.99
Area: 253723211
Amount: 8093.4323
Amount Units: pg/ul



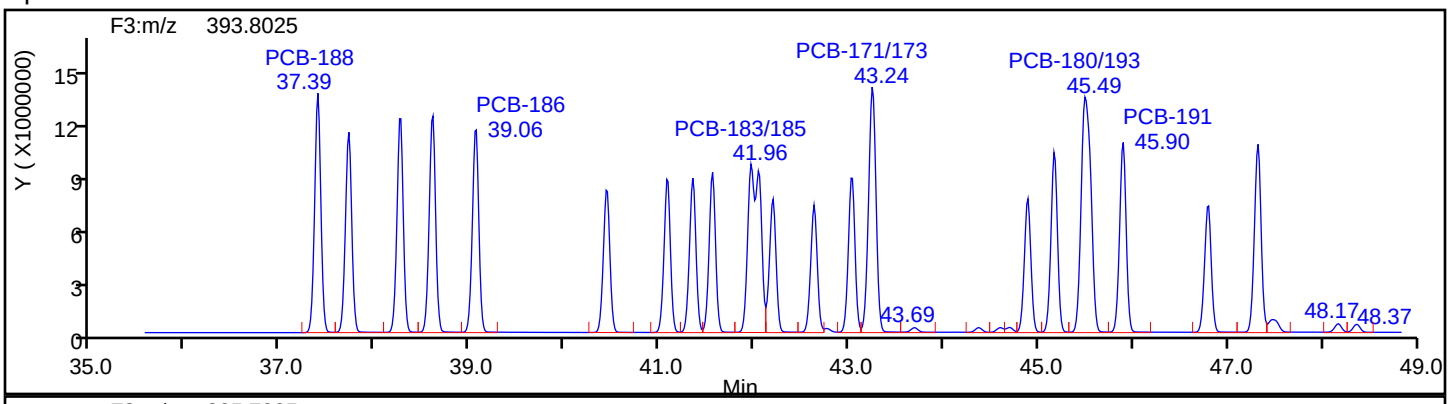

Reviewer: mcwhirterl, 22-Aug-2019 01:48:11

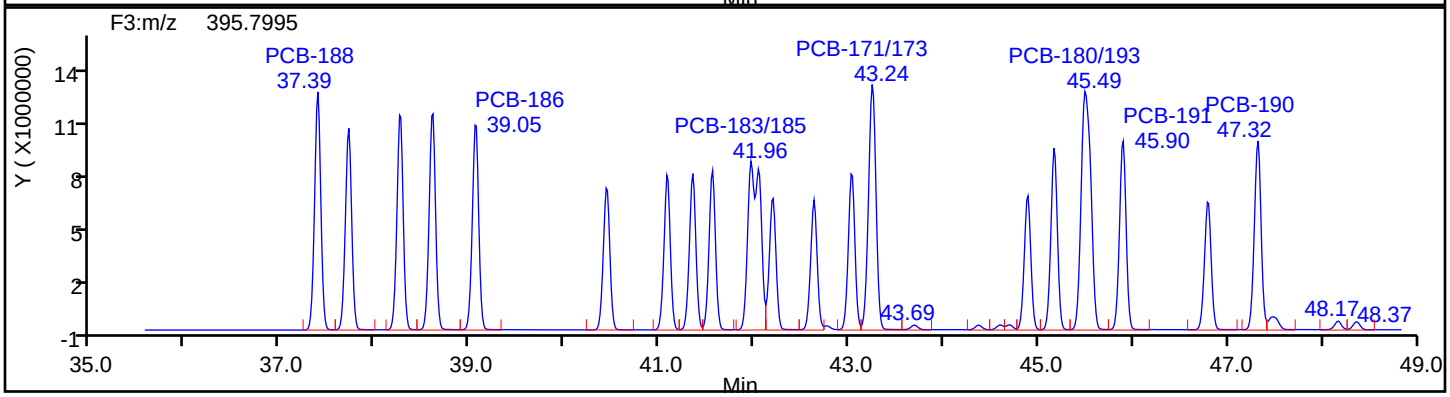
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

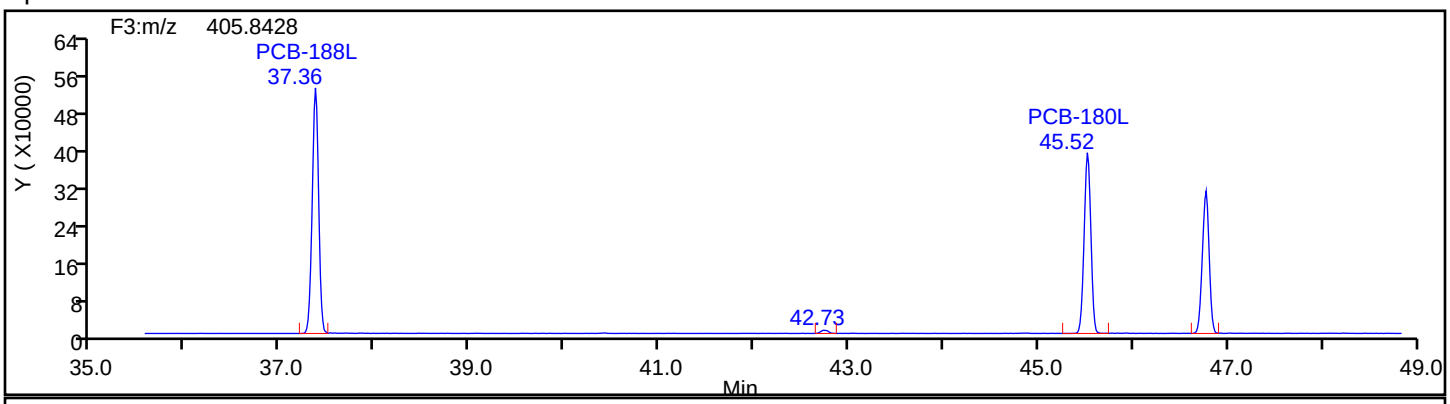
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

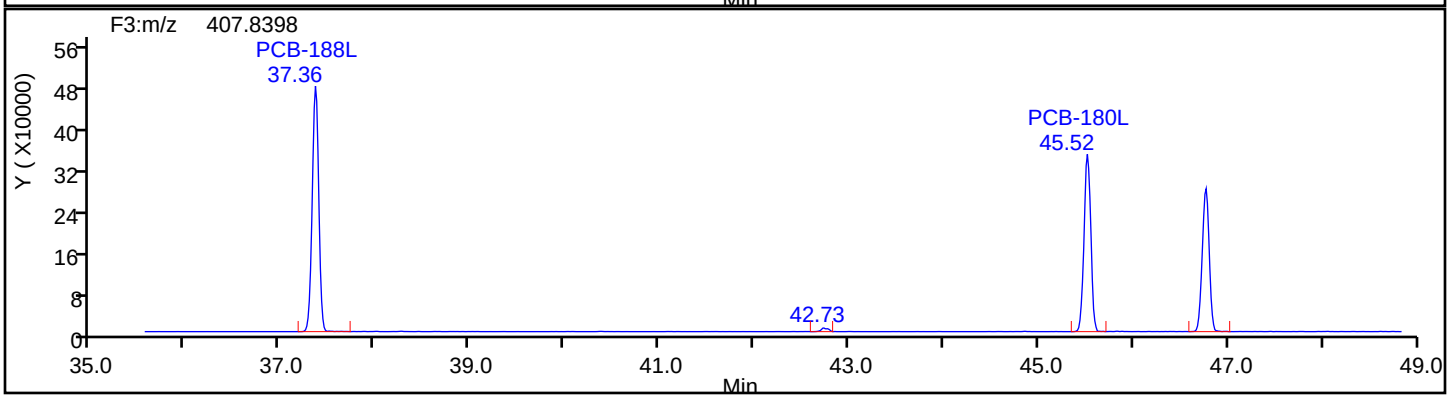
HpPCB F3




HpPCB F3 Standards

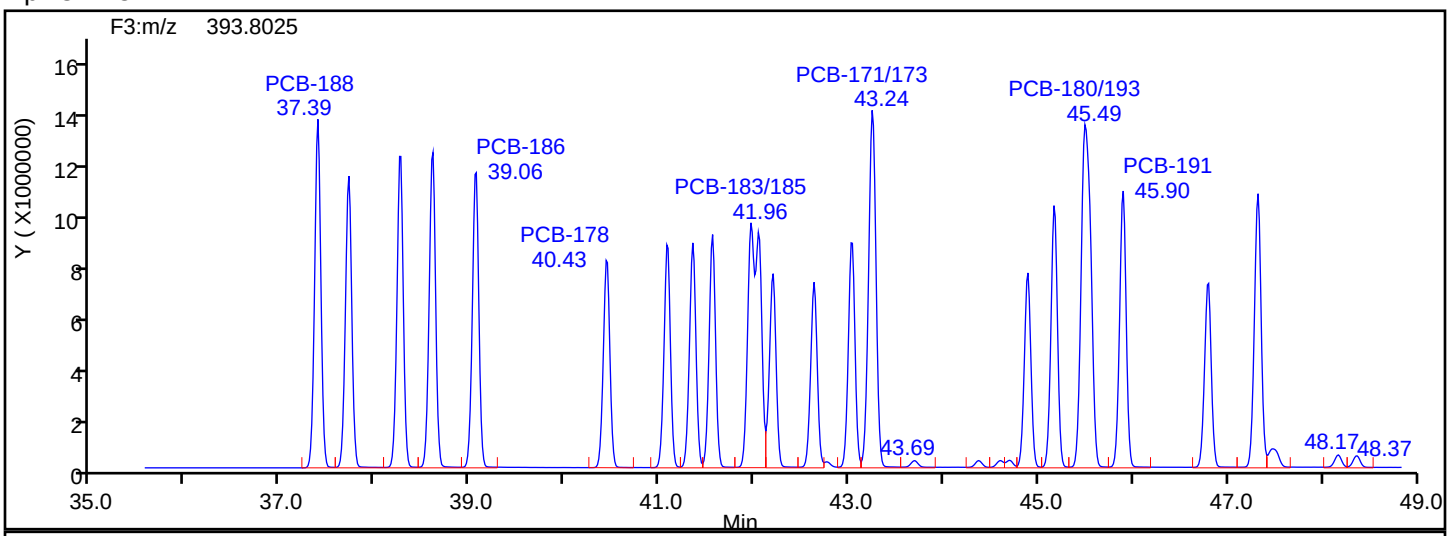


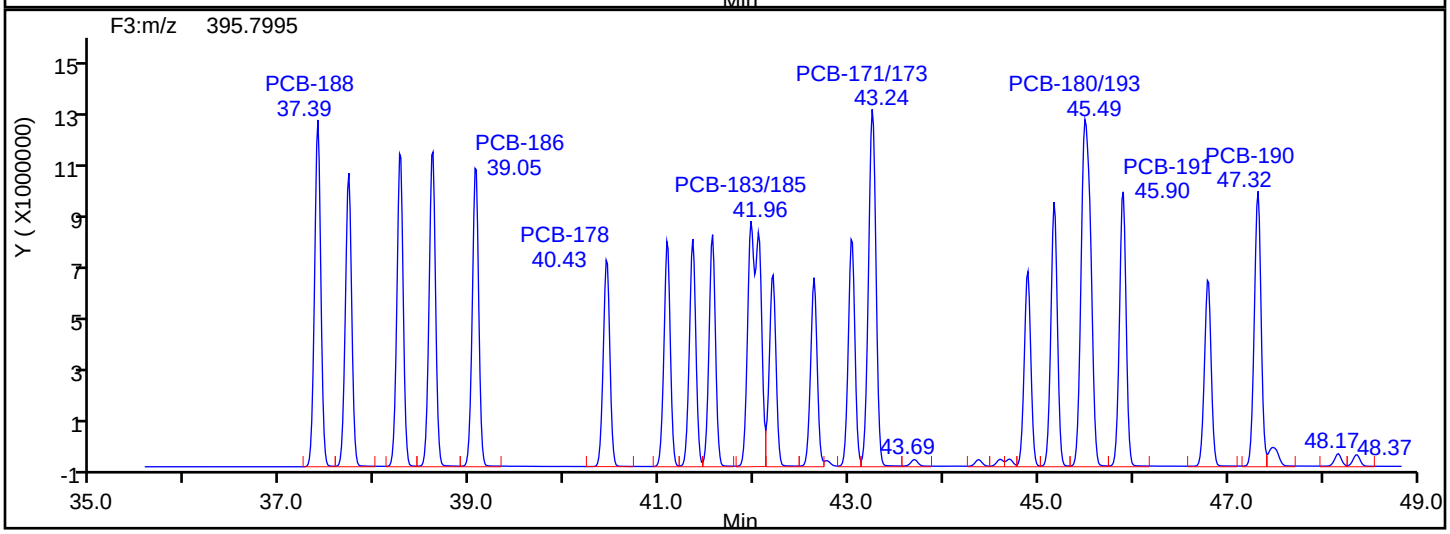



Eurofins TestAmerica, Knoxville

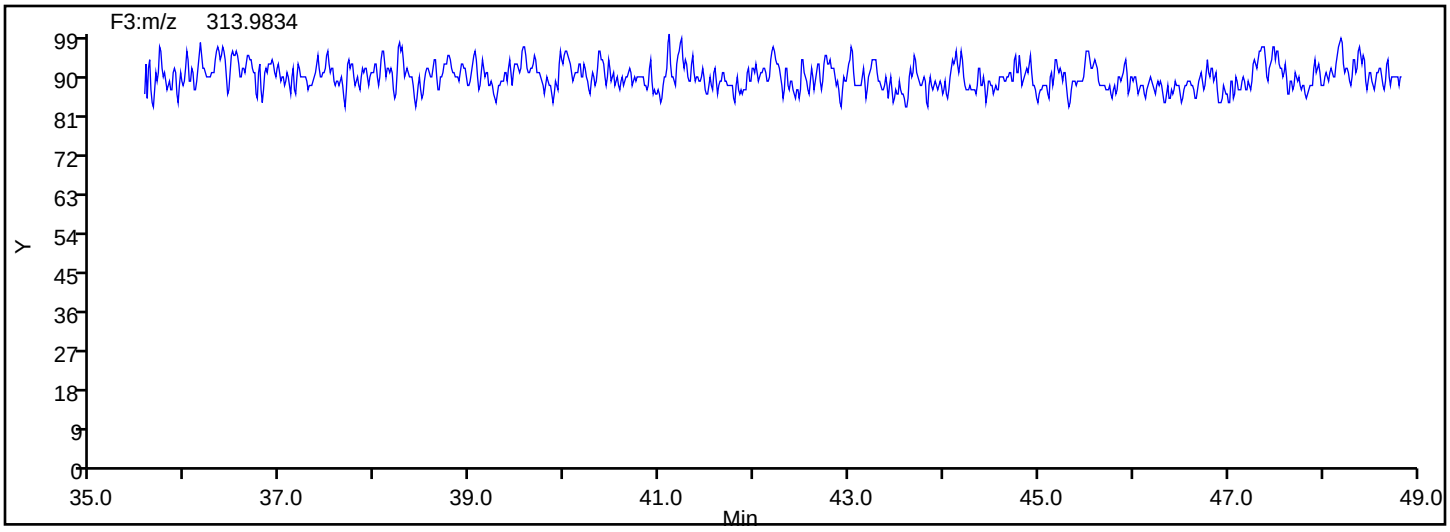
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

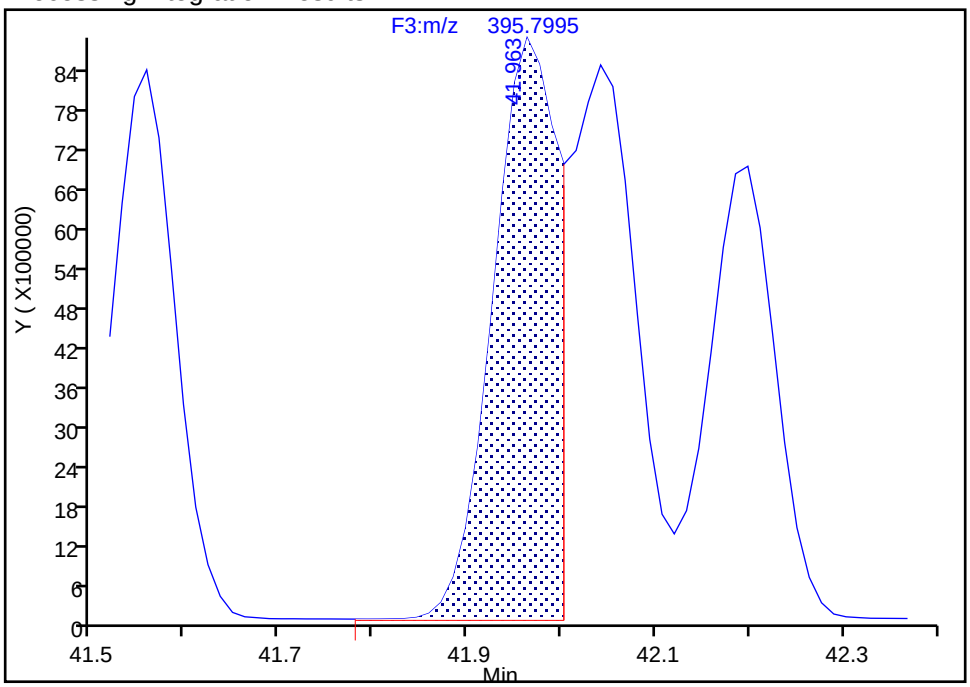
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 2

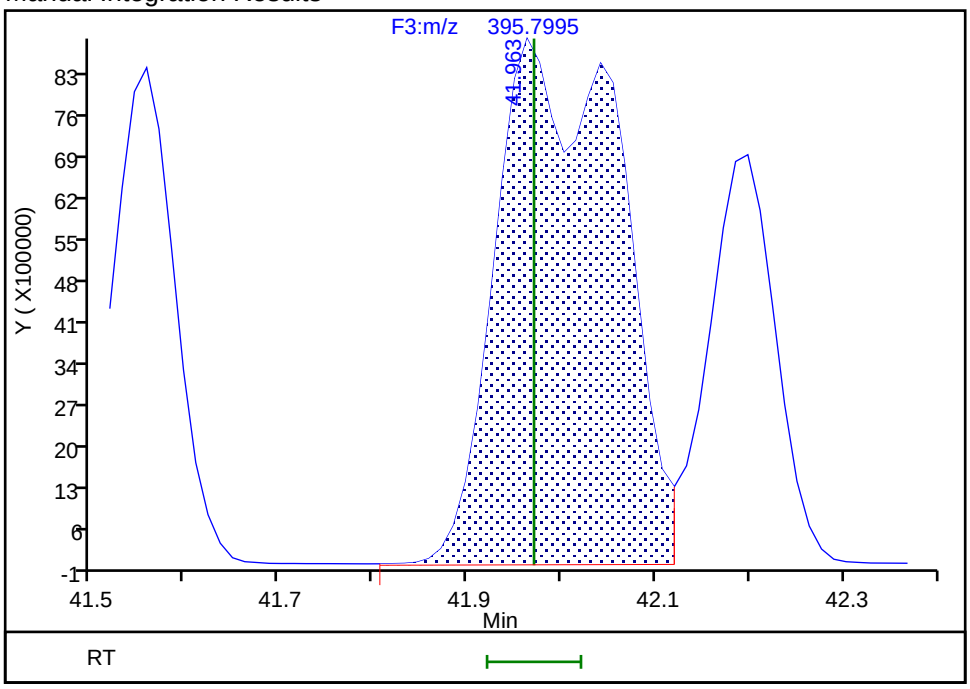
Processing Integration Results

RT: 41.96
Area: 41306003
Amount: 2072.9376
Amount Units: pg/ul




Manual Integration Results

RT: 41.96
Area: 81512560
Amount: 3785.4393
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:48:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

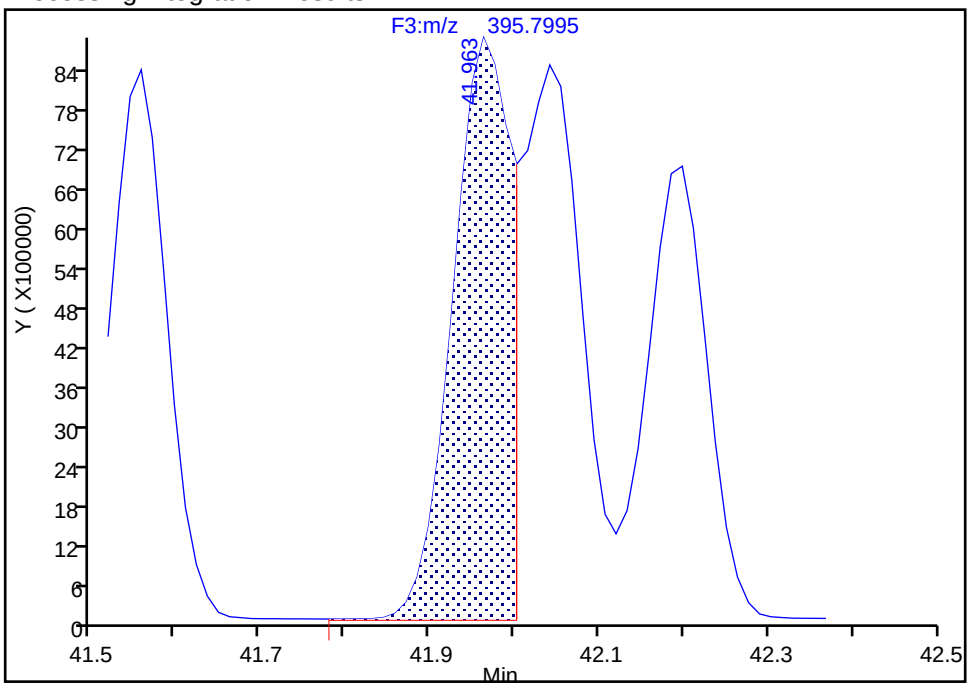
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 3

Processing Integration Results

RT: 41.96
Area: 84225870
Amount: 2072.9376
Amount Units: pg/ul




Manual Integration Results

RT: 41.96
Area: 166836744
Amount: 3785.4393
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:48:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

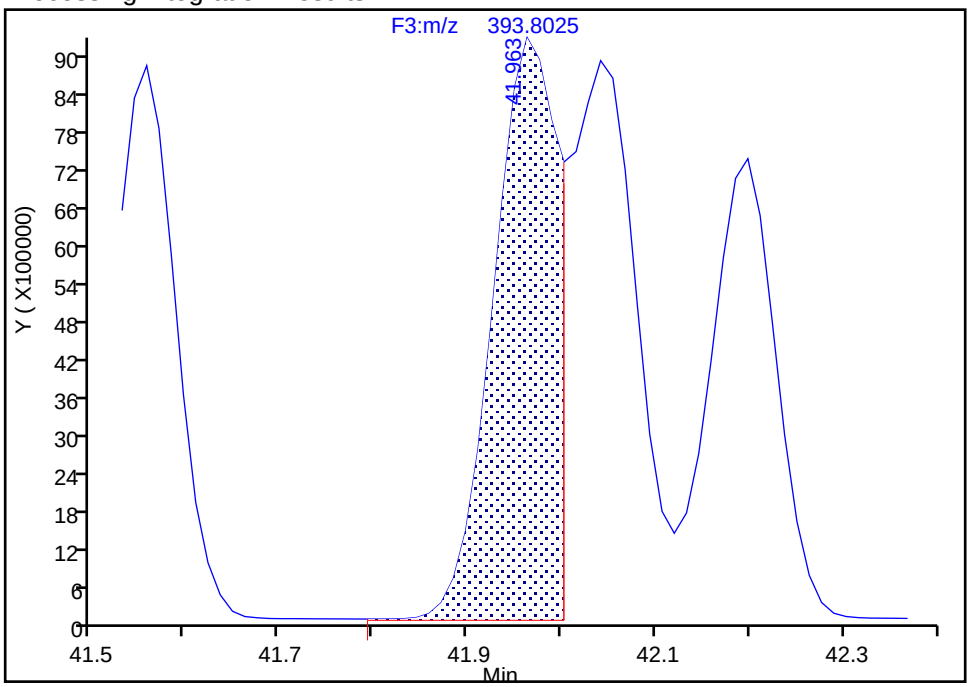
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 1

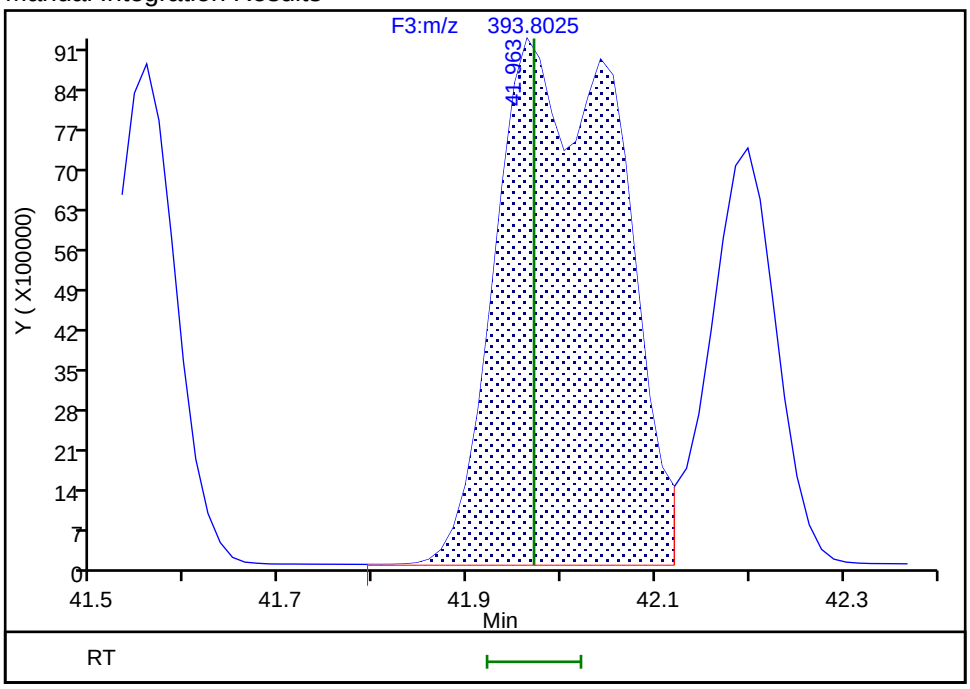
Processing Integration Results

RT: 41.96
Area: 42919867
Amount: 2072.9376
Amount Units: pg/ul




Manual Integration Results

RT: 41.96
Area: 85324184
Amount: 3785.4393
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:48:44
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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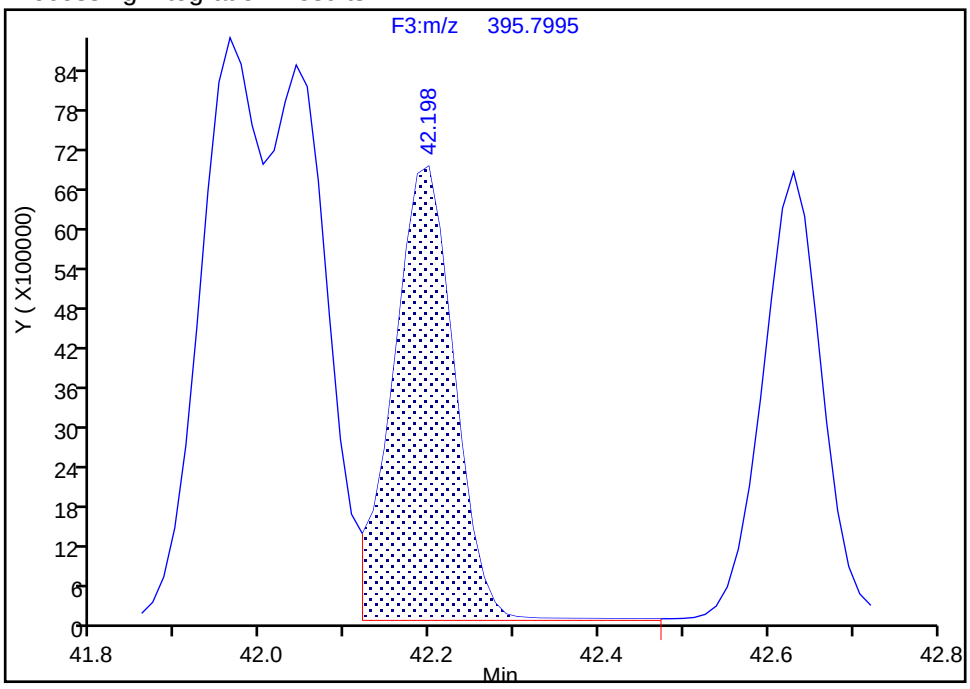
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-174, CAS: 38411-25-5

Signal: 2

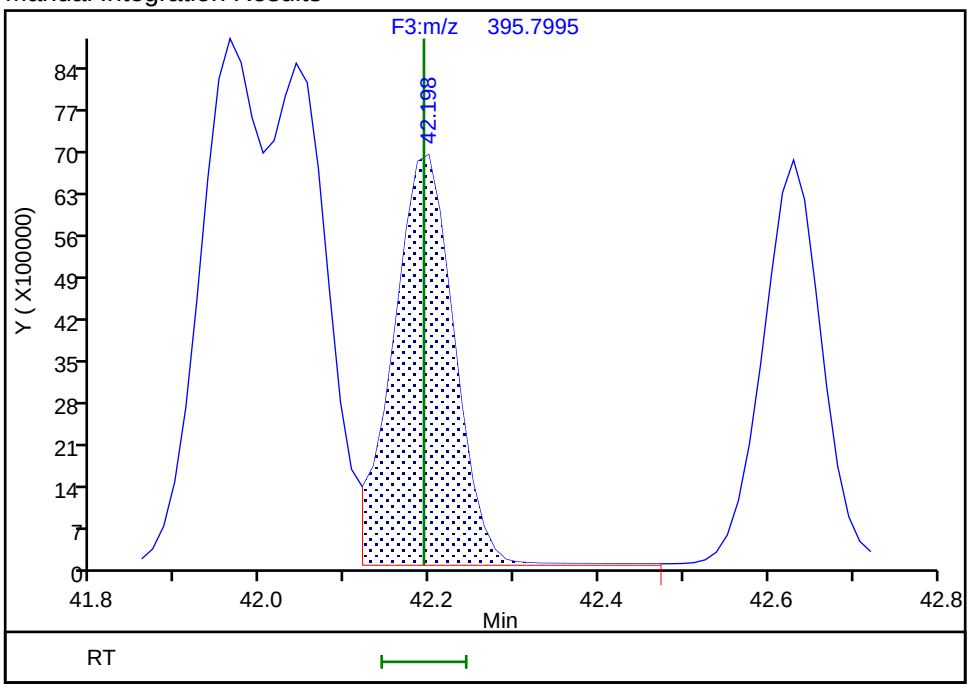
Processing Integration Results

RT: 42.20
Area: 34686181
Amount: 1919.6229
Amount Units: pg/ul




Manual Integration Results

RT: 42.20
Area: 34686181
Amount: 1919.6229
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:48:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

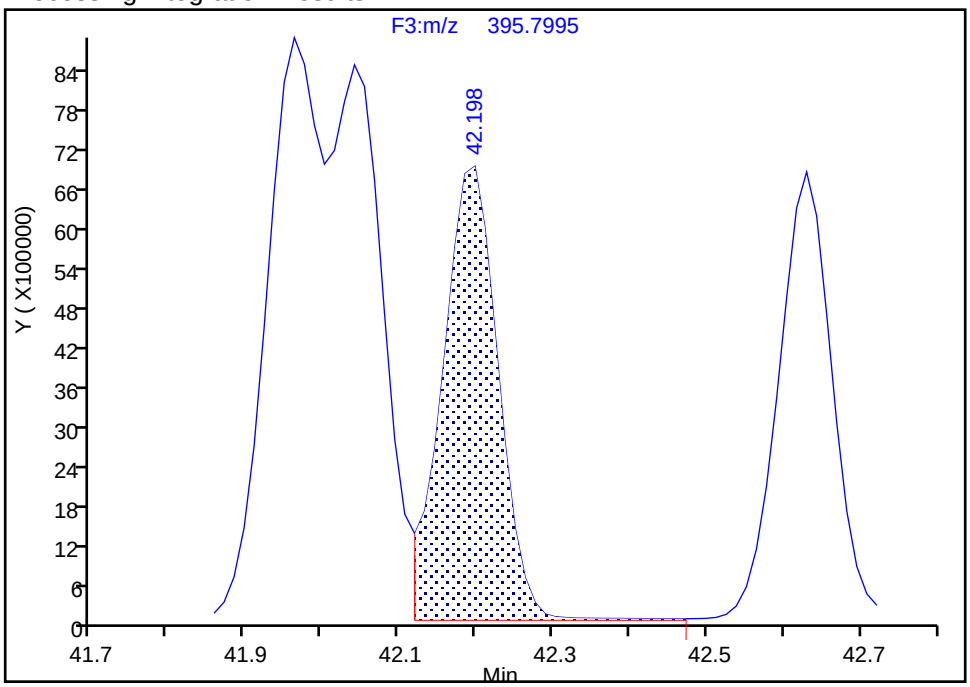
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d
Injection Date: 21-Aug-2019 19:05:00 Instrument ID: D3D
Lims ID: IC L6
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-174, CAS: 38411-25-5

Signal: 3

Processing Integration Results

RT: 42.20
Area: 71048448
Amount: 1919.6229
Amount Units: pg/ul




Manual Integration Results

RT: 42.20
Area: 71048448
Amount: 1919.6229
Amount Units: pg/ul
Reviewer: mcwhirterl, 22-Aug-2019 01:48:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

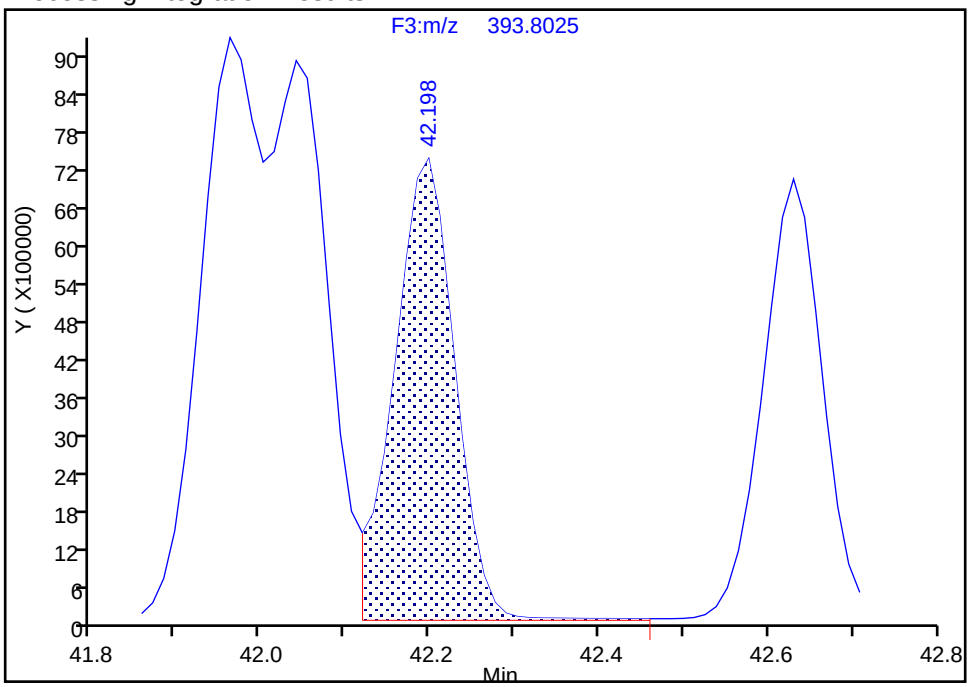
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Instrument ID: | D3D | | |
| Lims ID: | IC L6 | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 6 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-174, CAS: 38411-25-5

Signal: 1

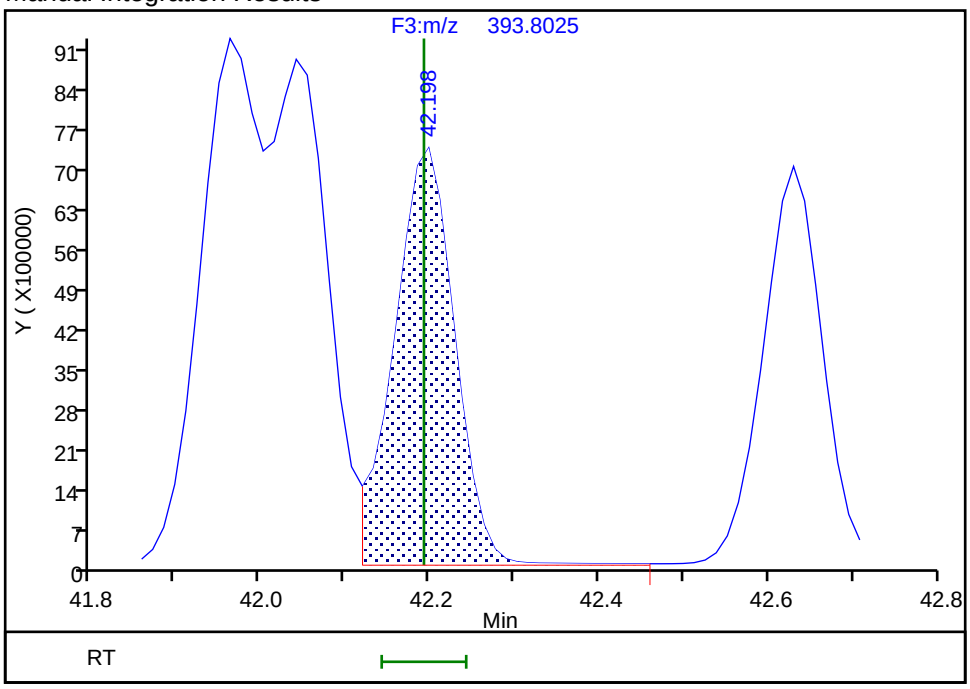
Processing Integration Results

RT: 42.20
Area: 36362267
Amount: 1919.6229
Amount Units: pg/ul




Manual Integration Results

RT: 42.20
Area: 36362267
Amount: 1919.6229
Amount Units: pg/ul




Reviewer: mcwhirterl, 22-Aug-2019 01:48:48
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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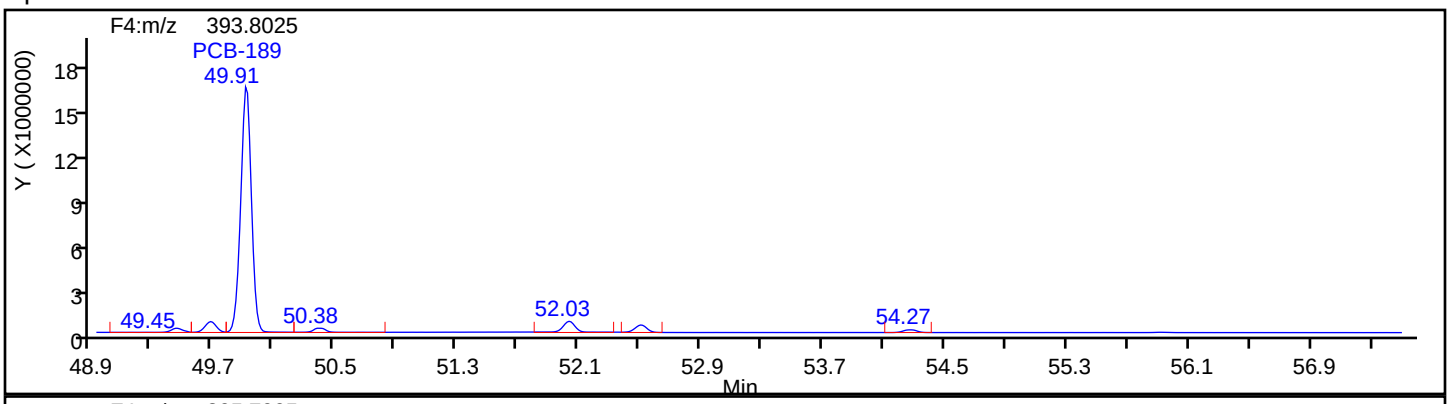
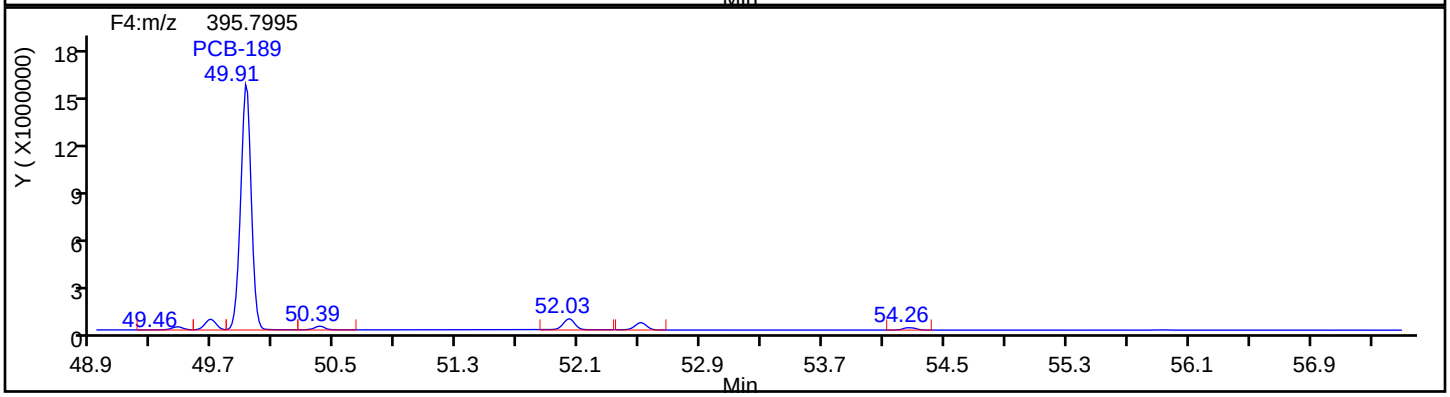
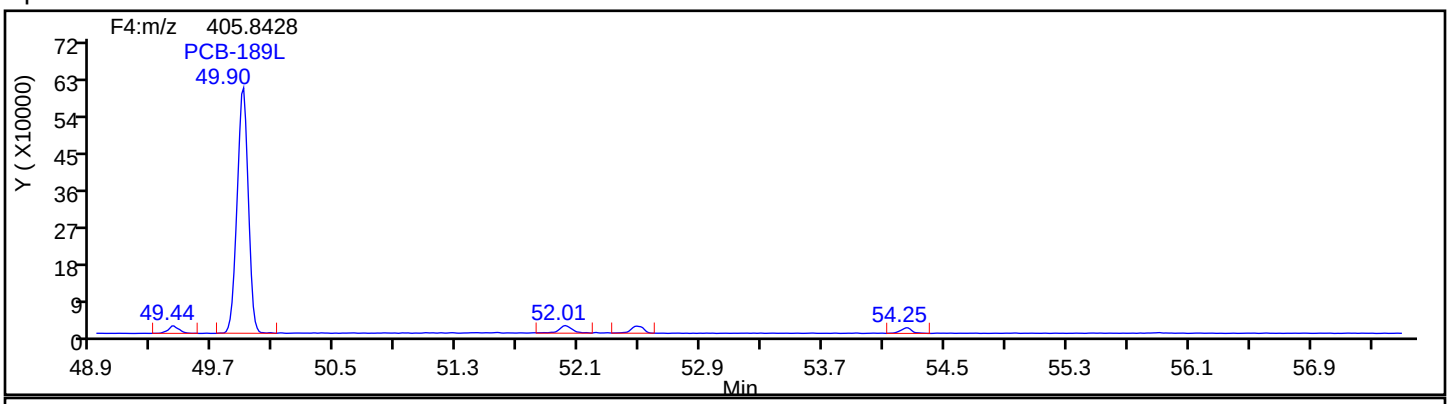
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

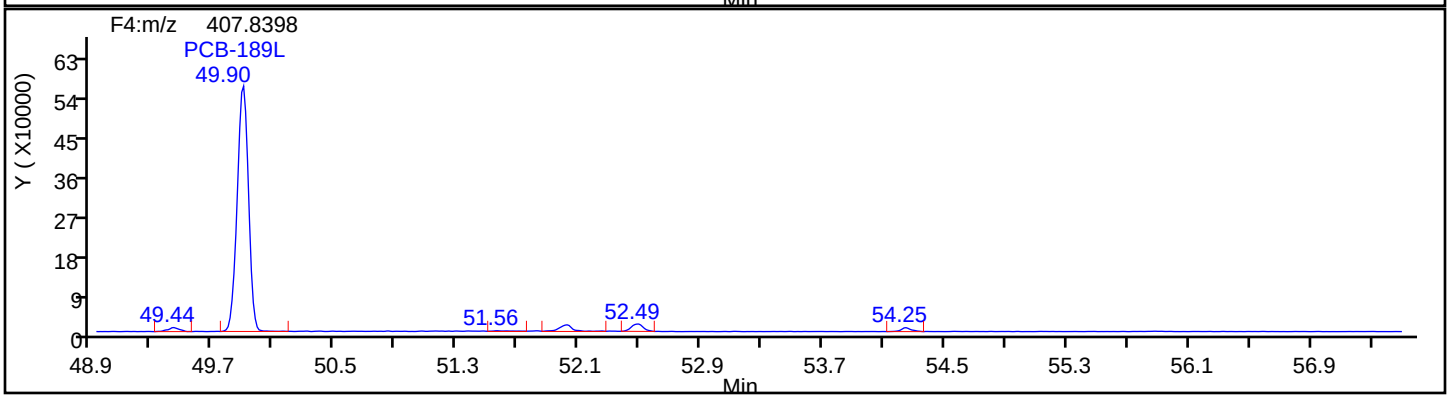
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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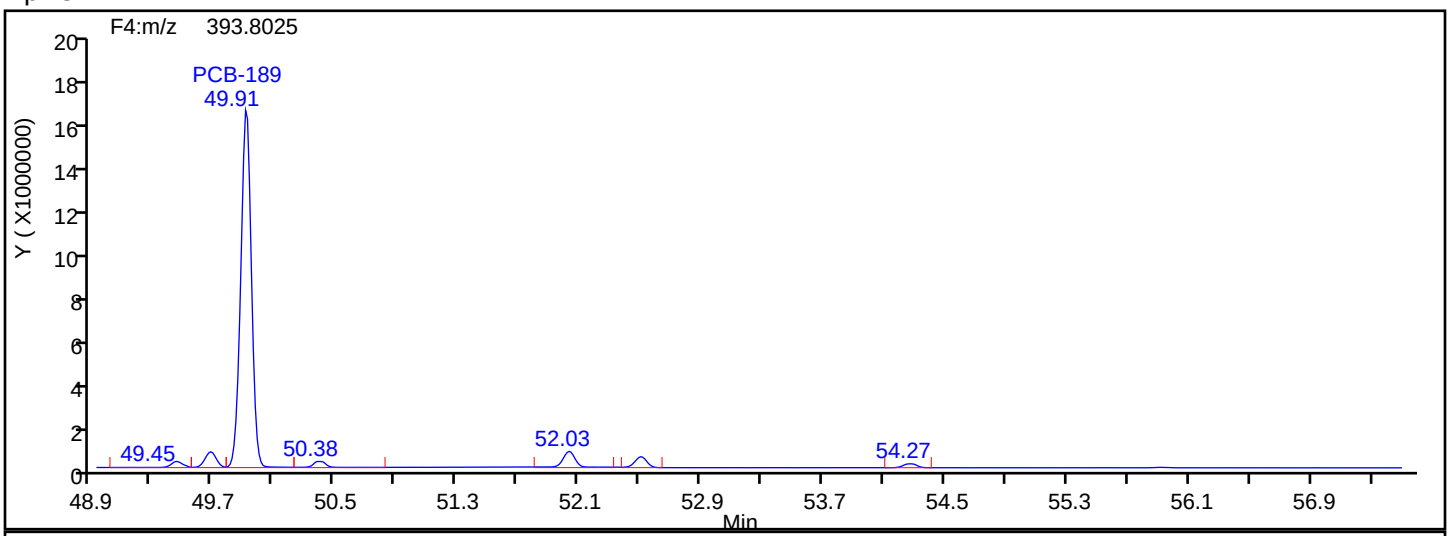
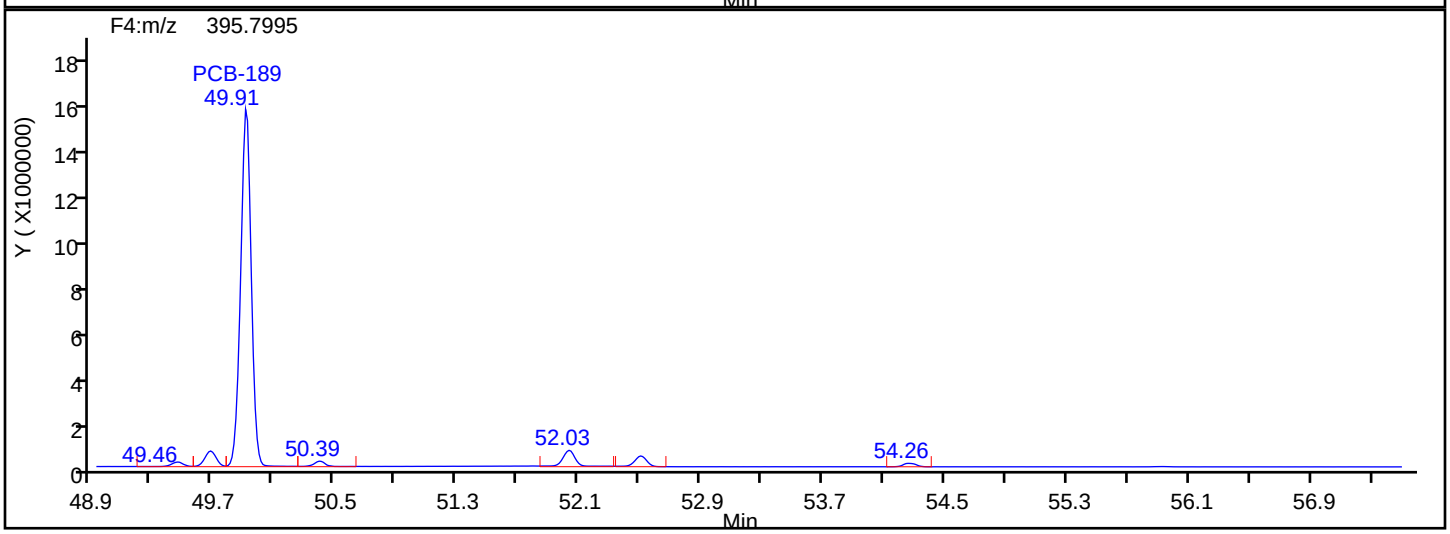
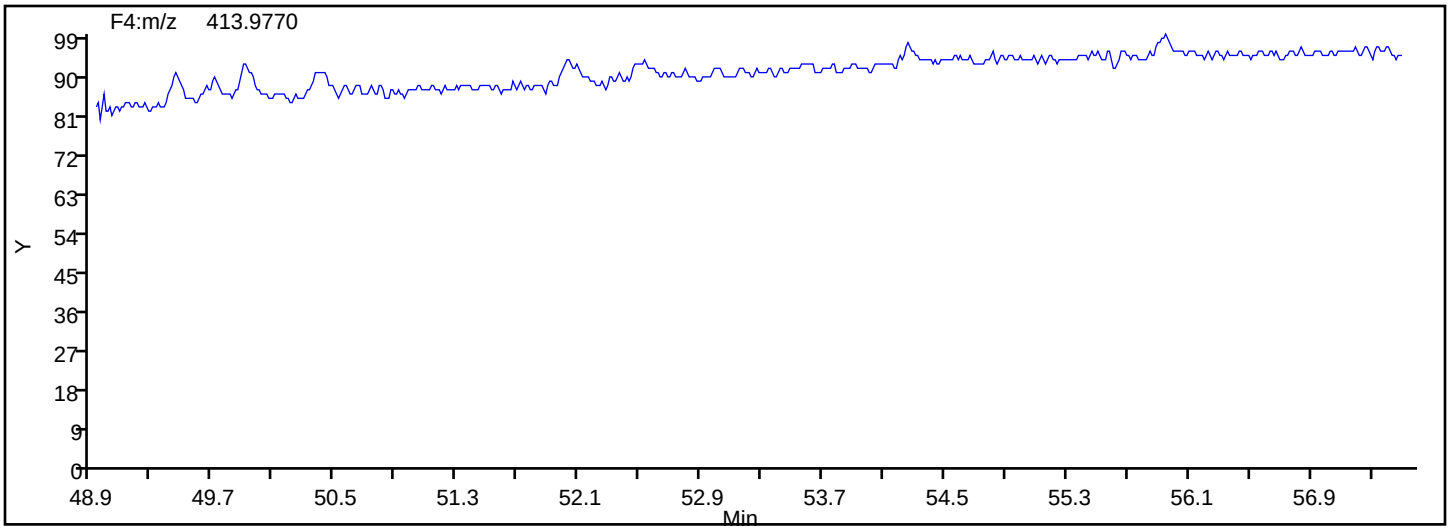
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



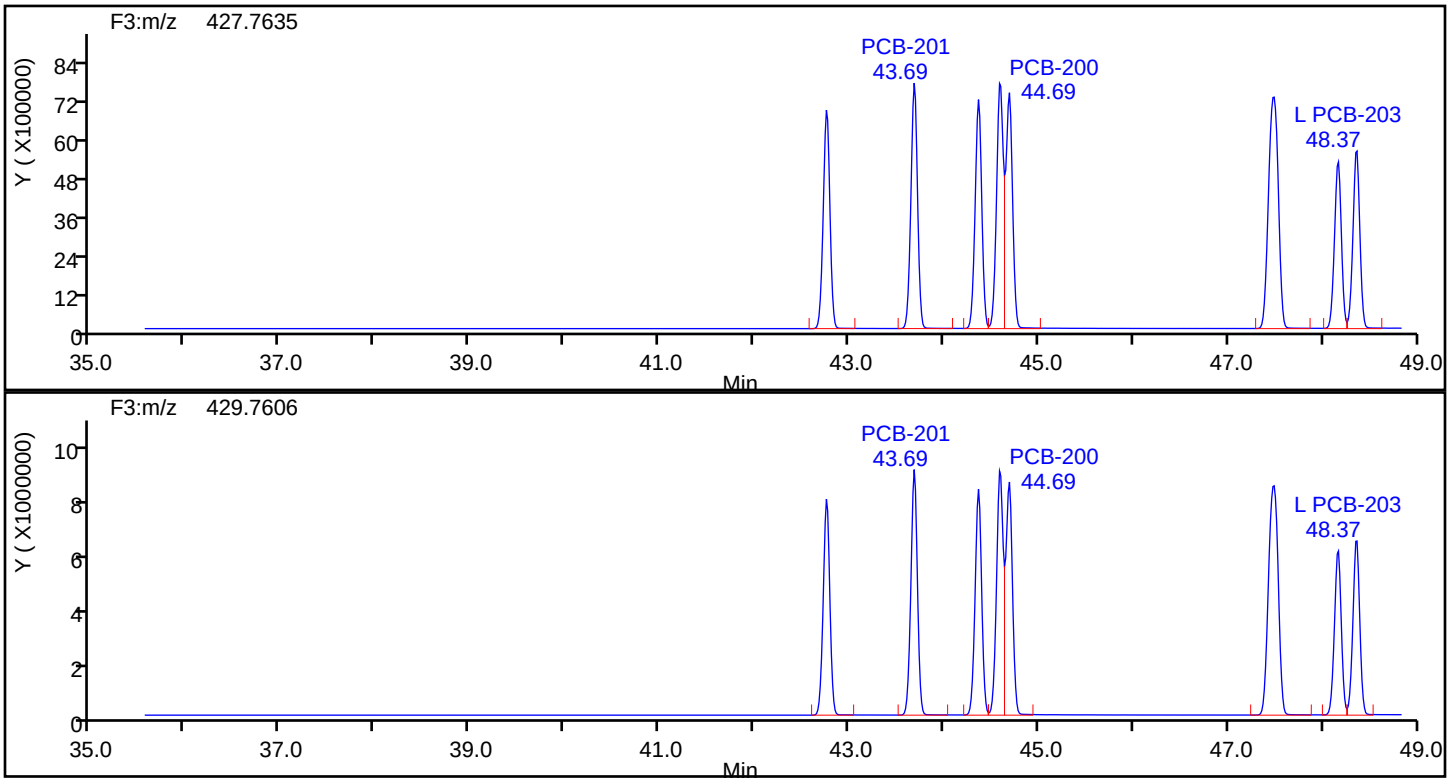
Report Date: 30-Aug-2019 11:38:52 Chrom Revision: 2.3 22-Aug-2019 12:55:36

Eurofins TestAmerica, Knoxville

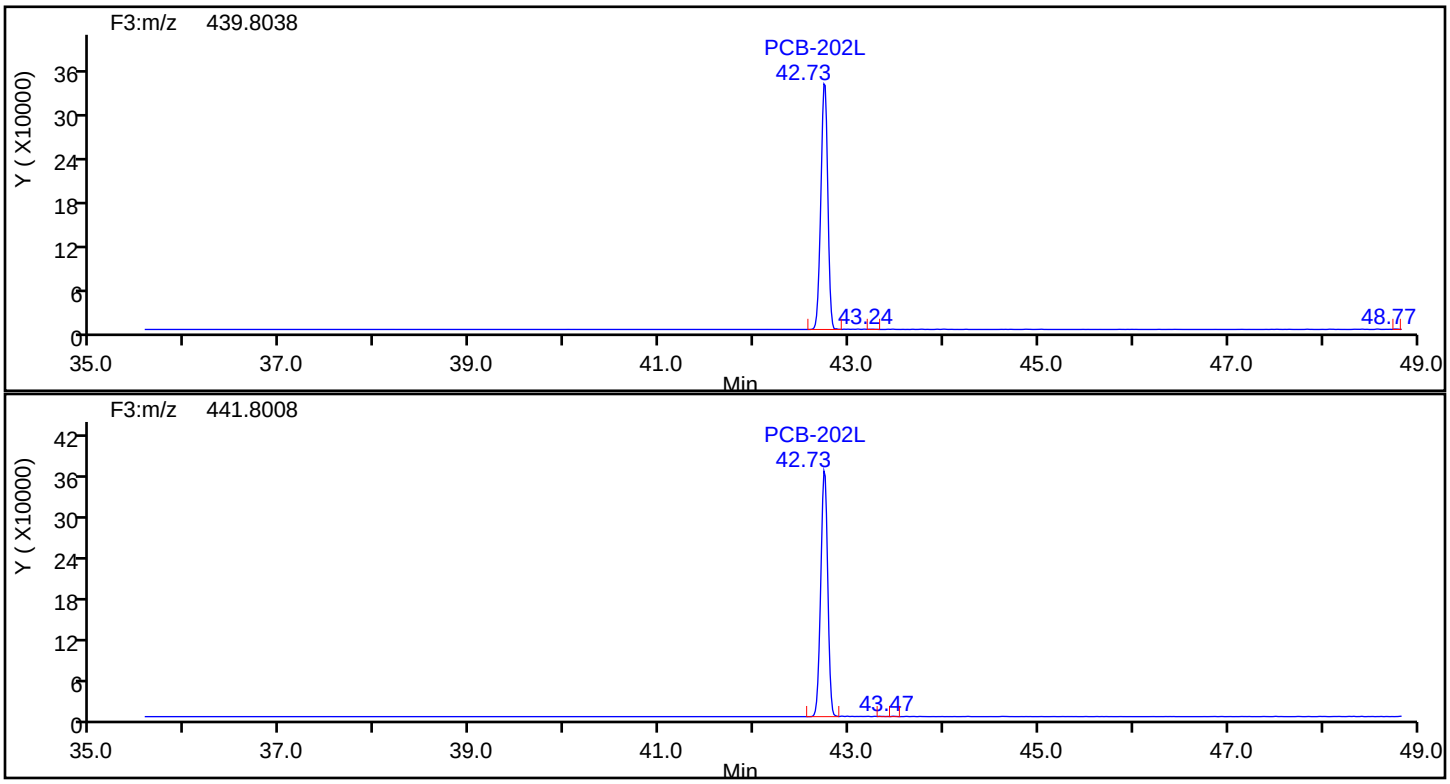
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

| | | | |
|---|---|---|---|
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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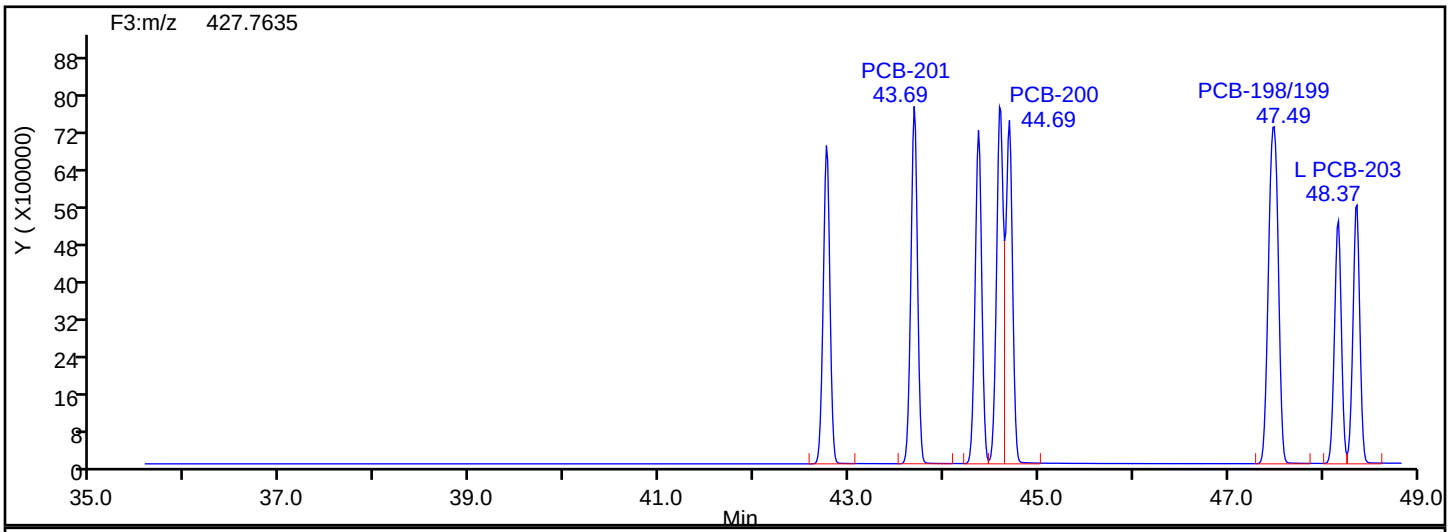
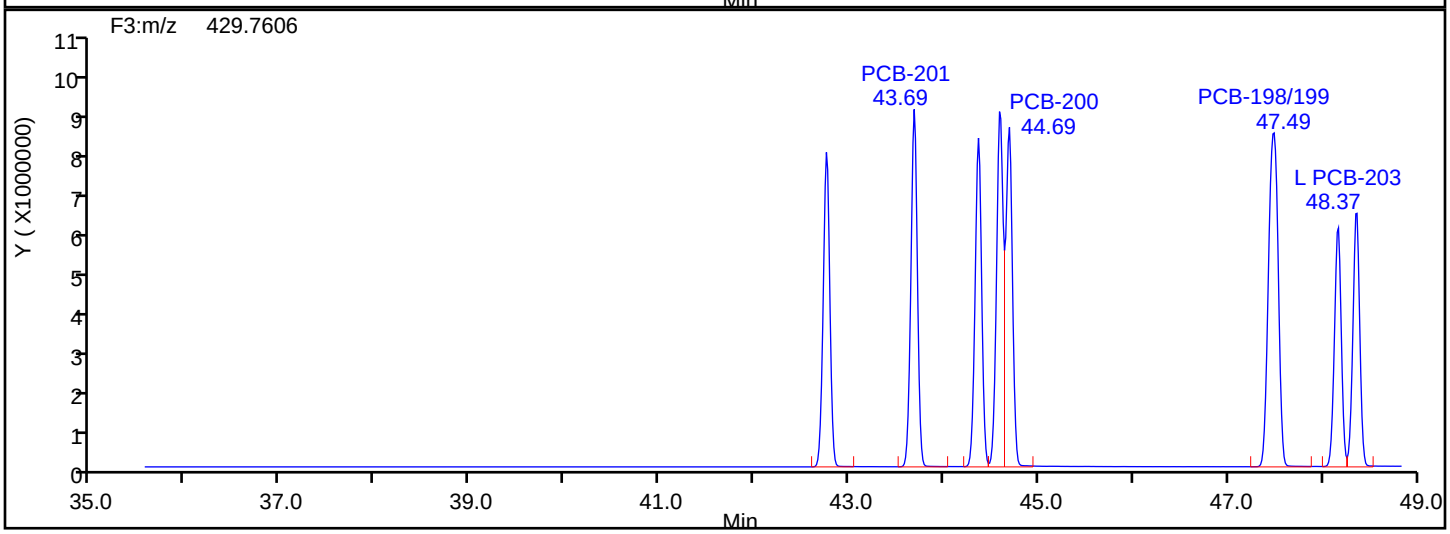
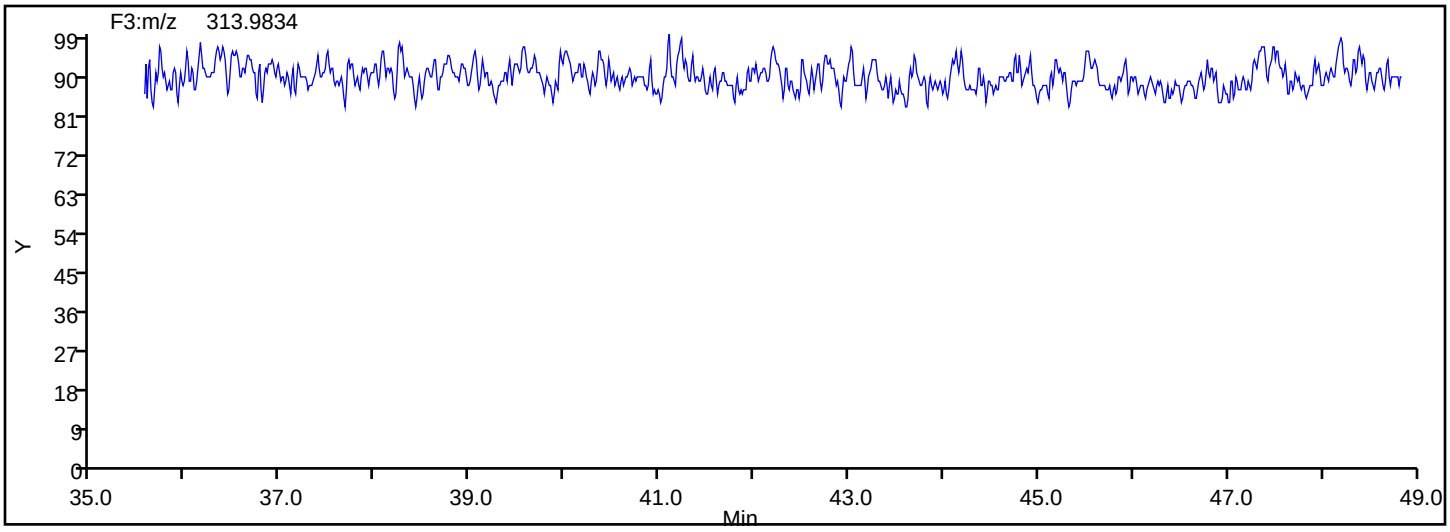
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



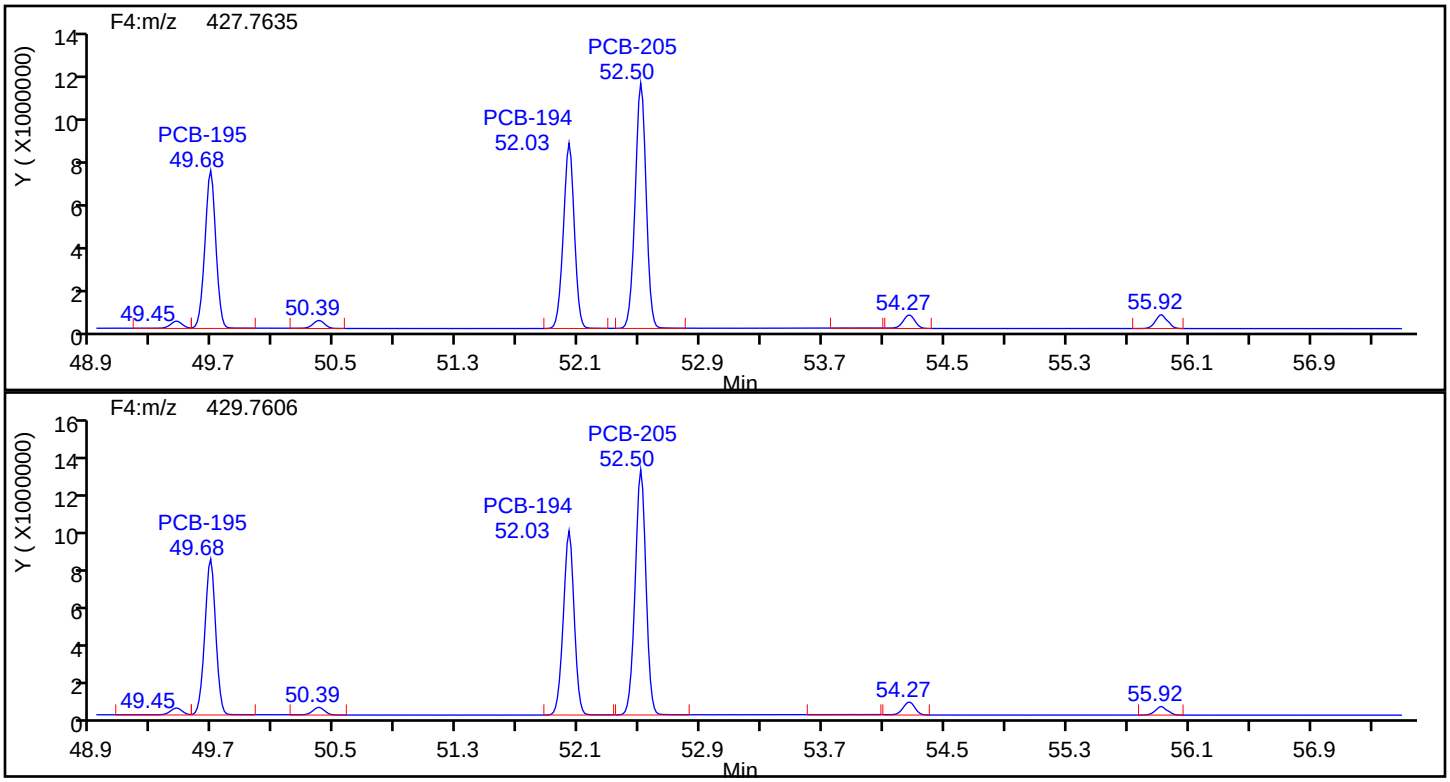

OcPCB F3 Lock Mass



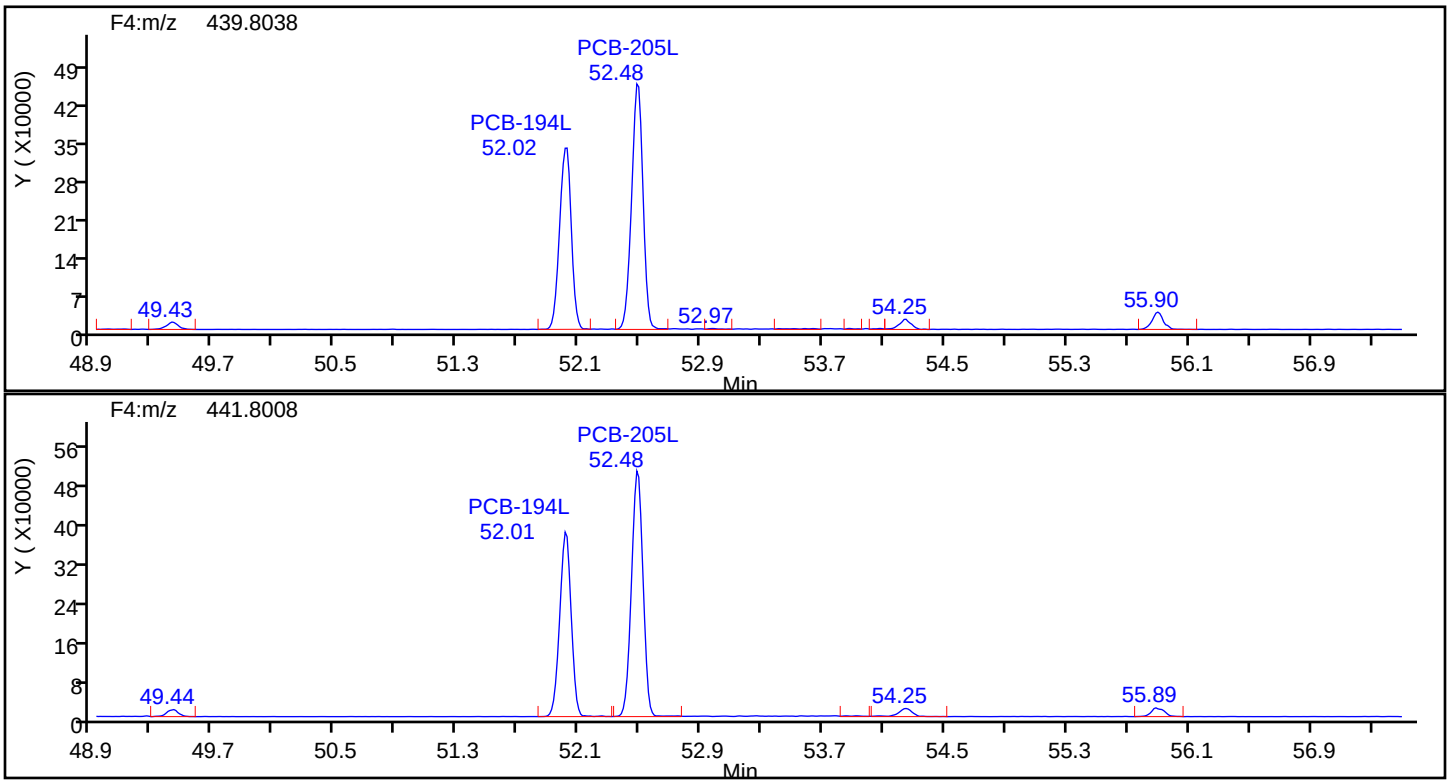
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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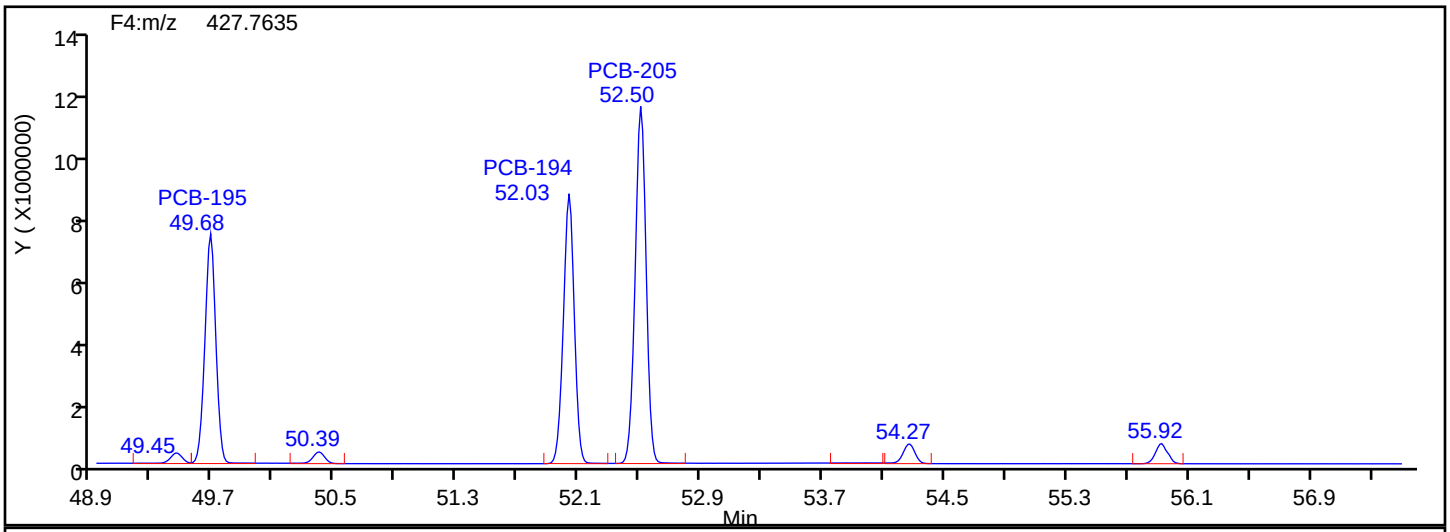
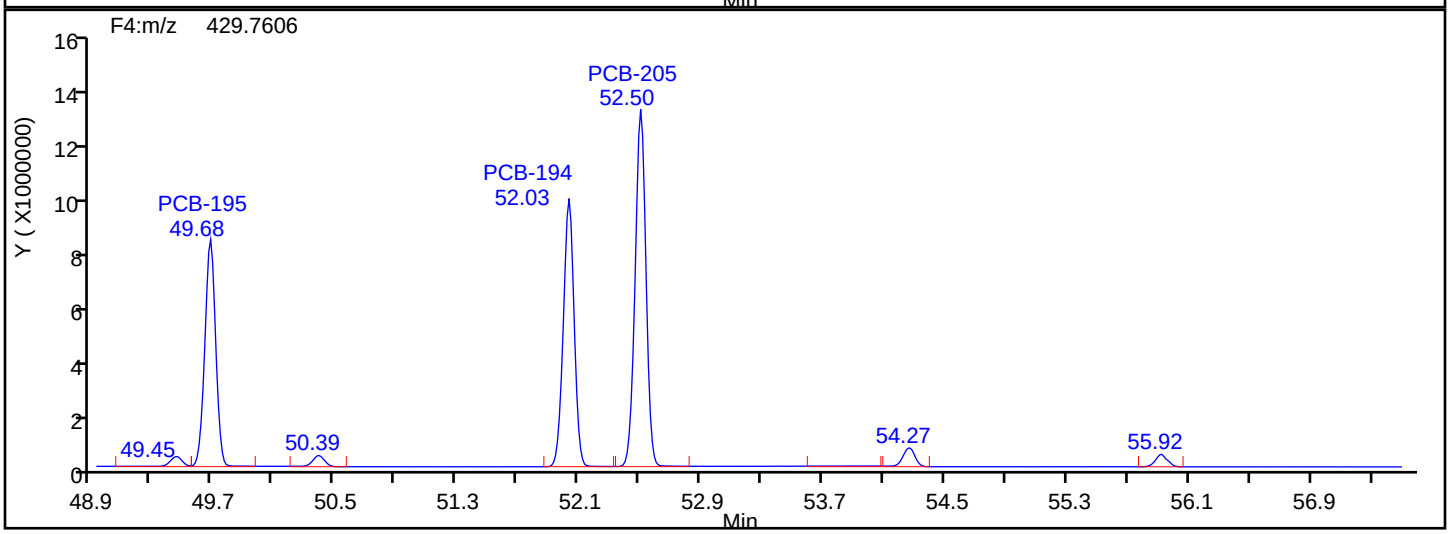
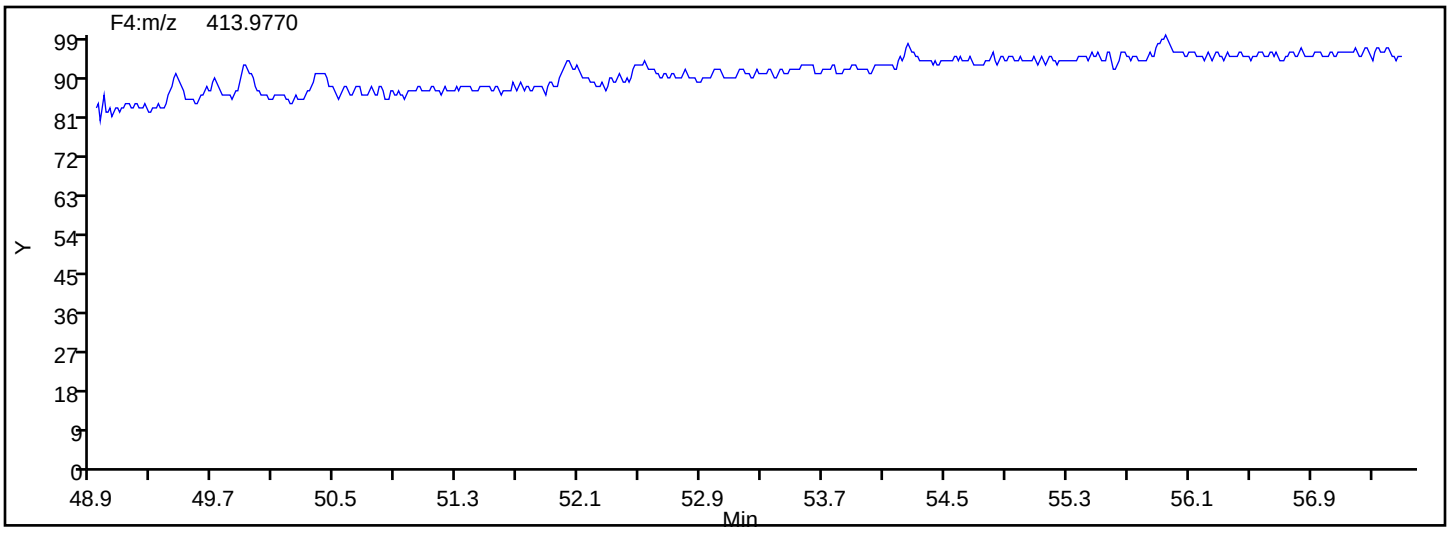
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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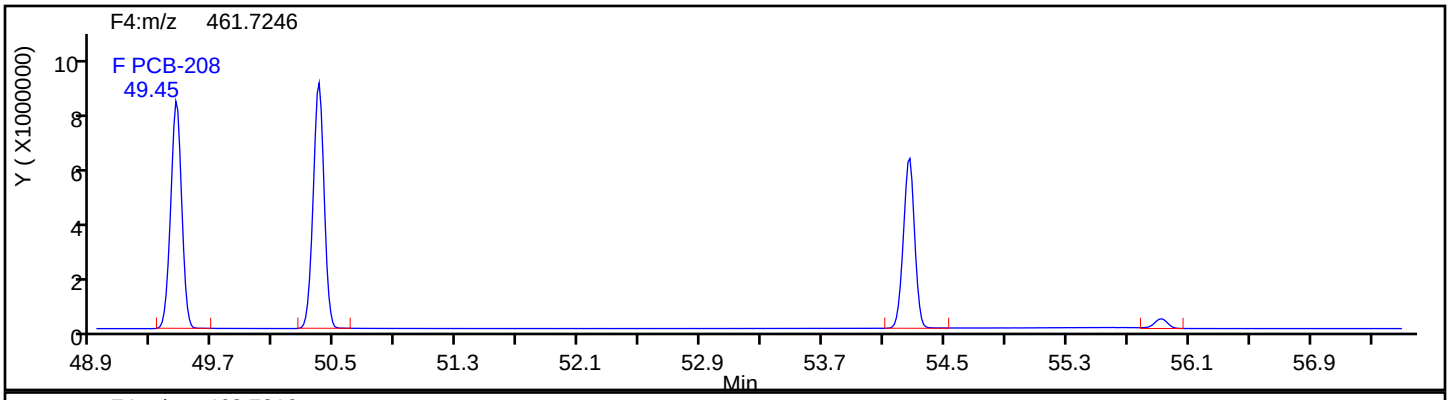
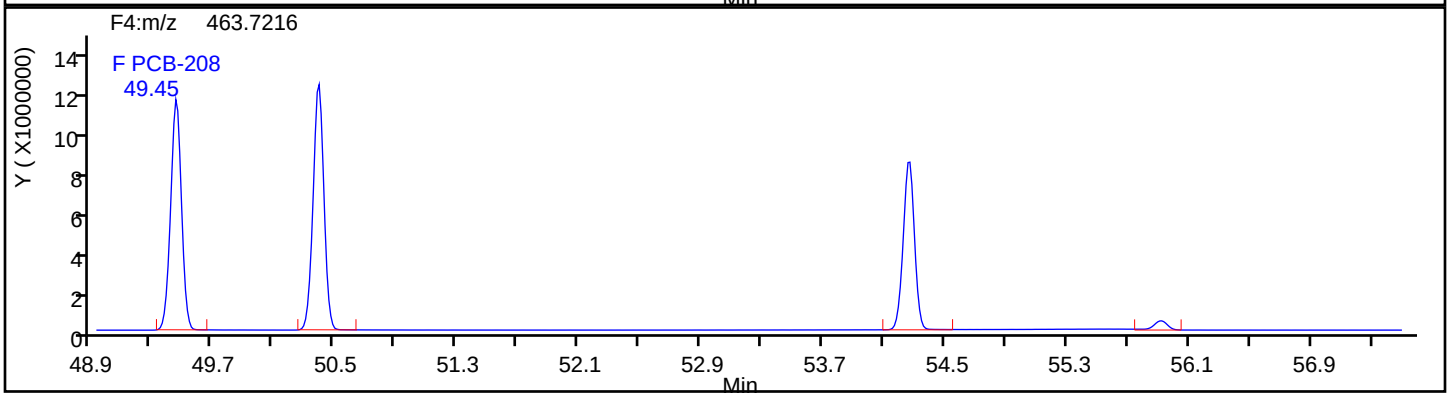
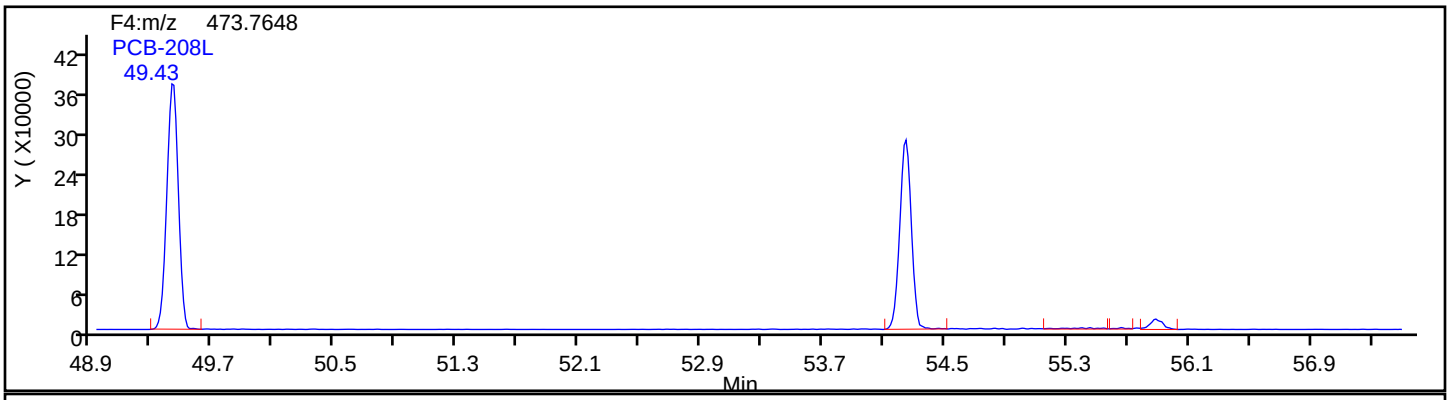
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

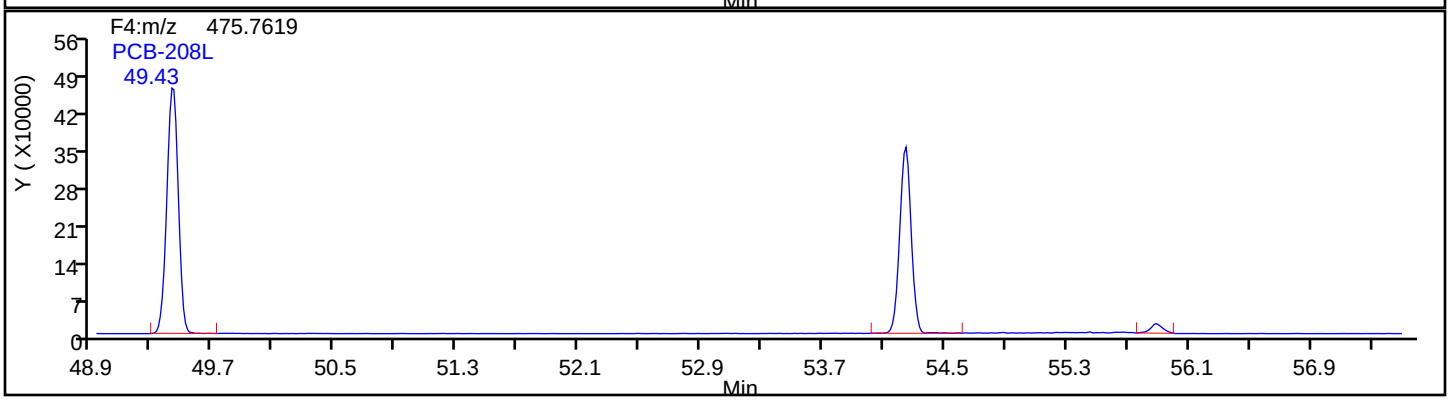
NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

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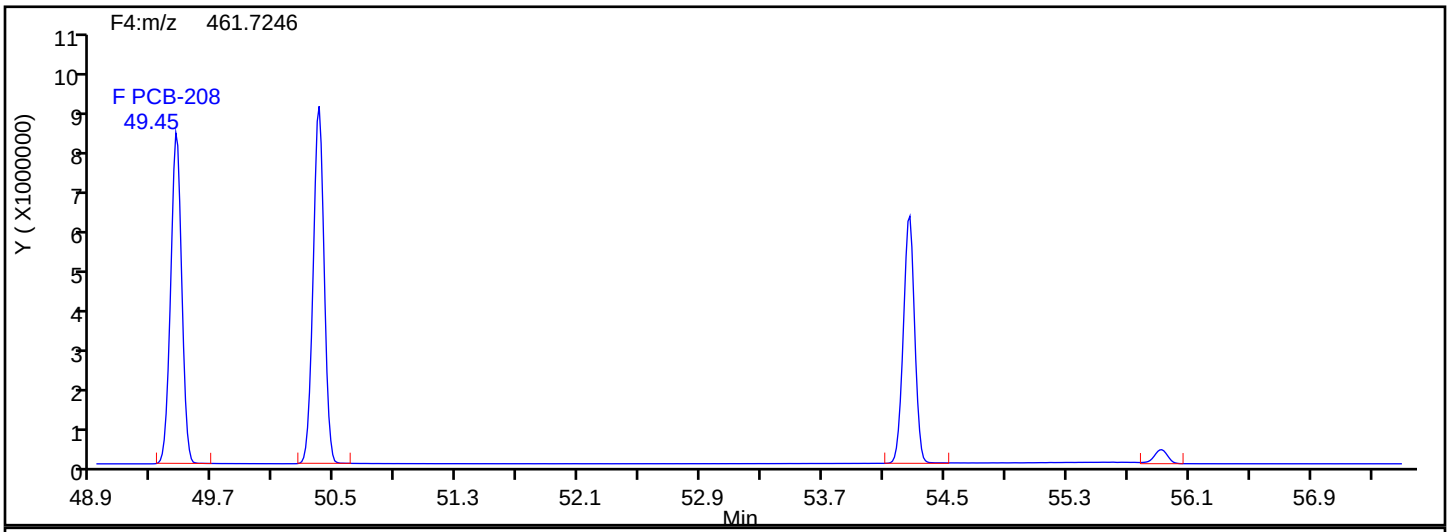
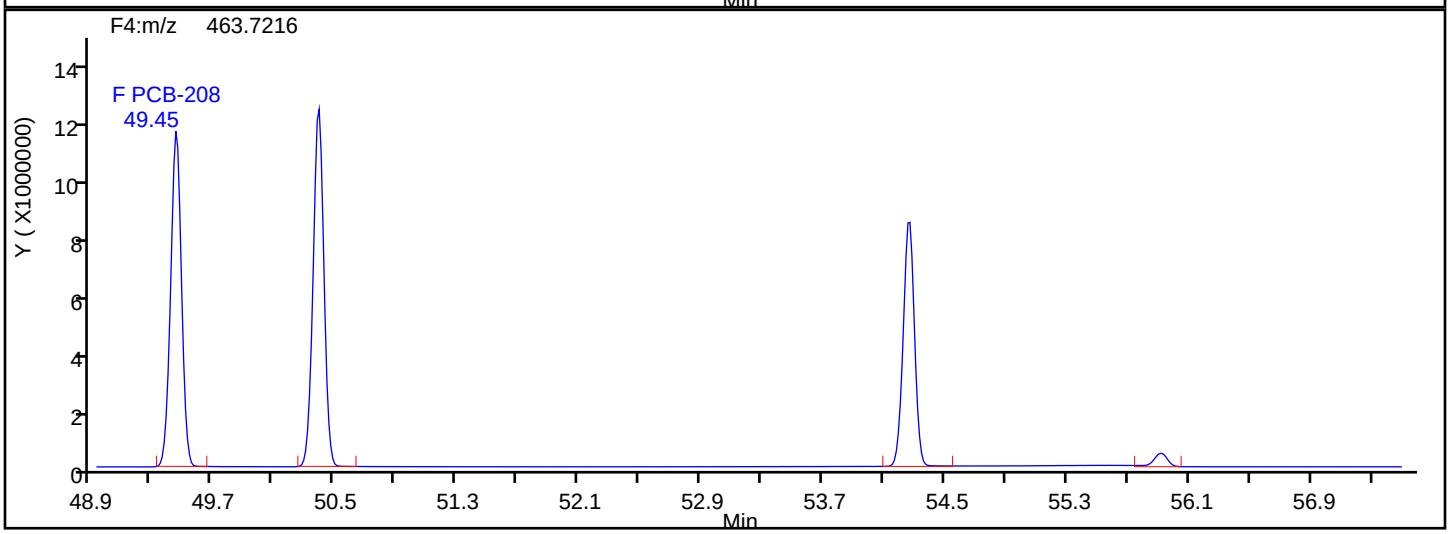
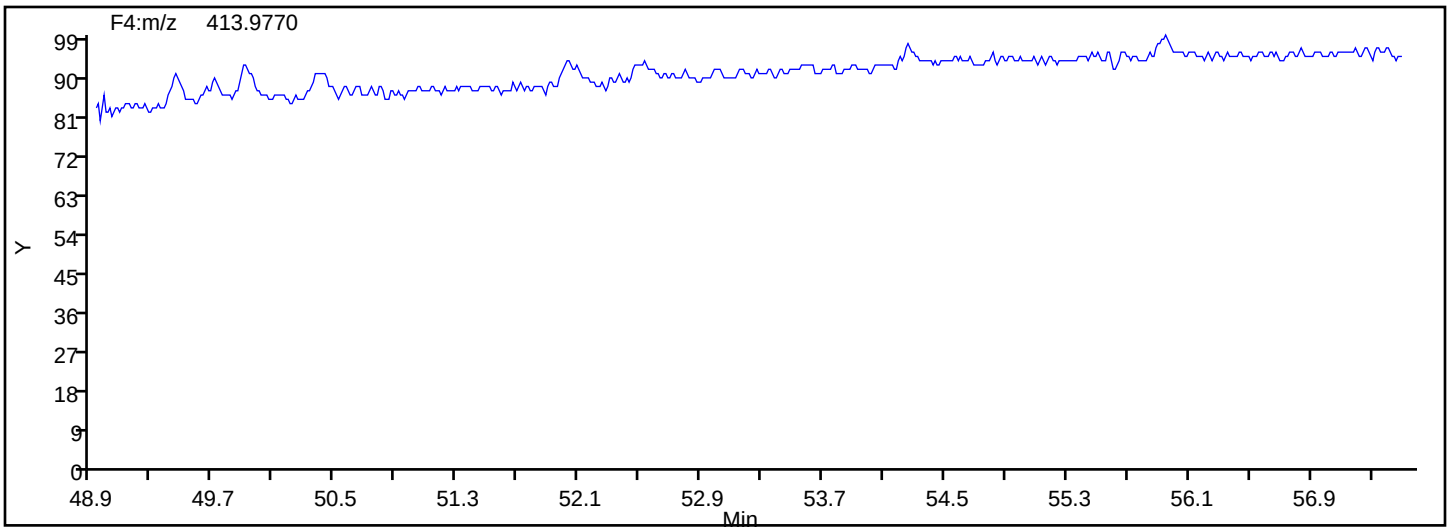
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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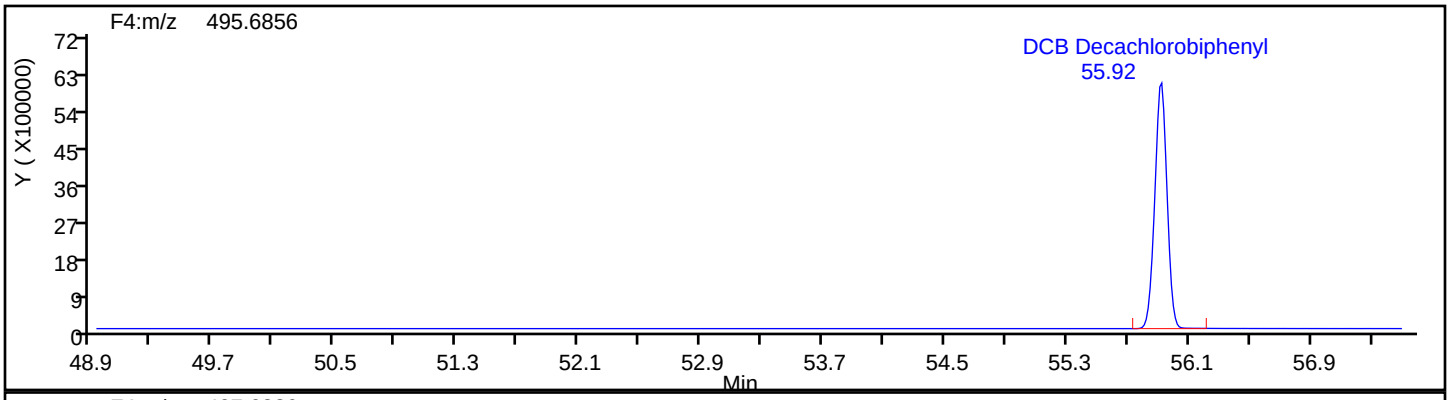
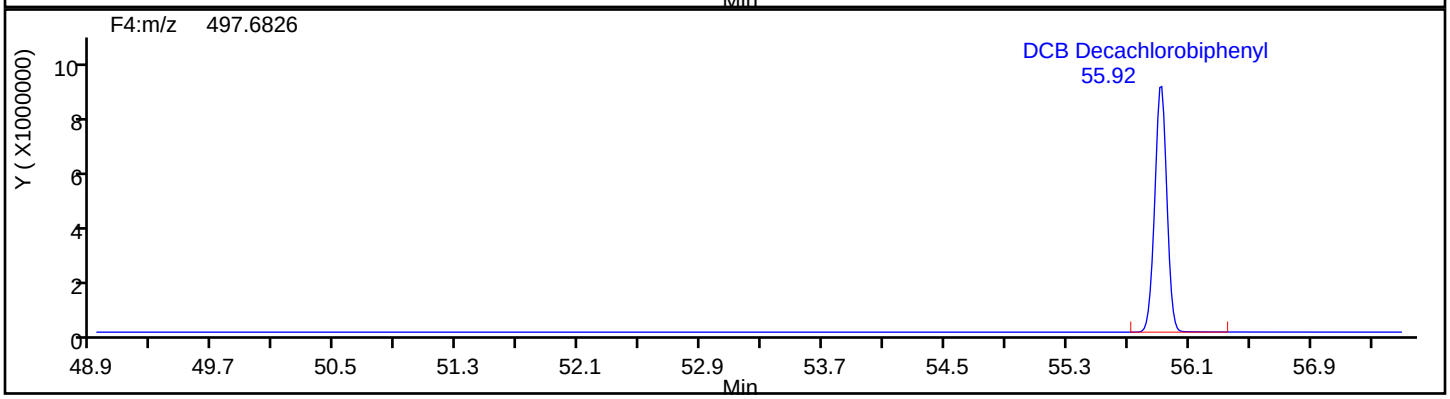
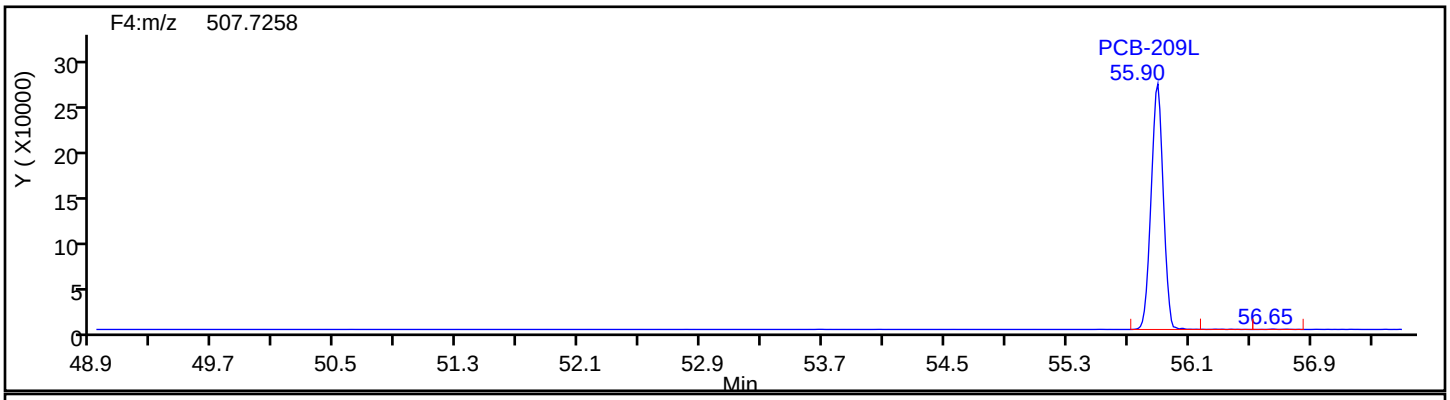
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

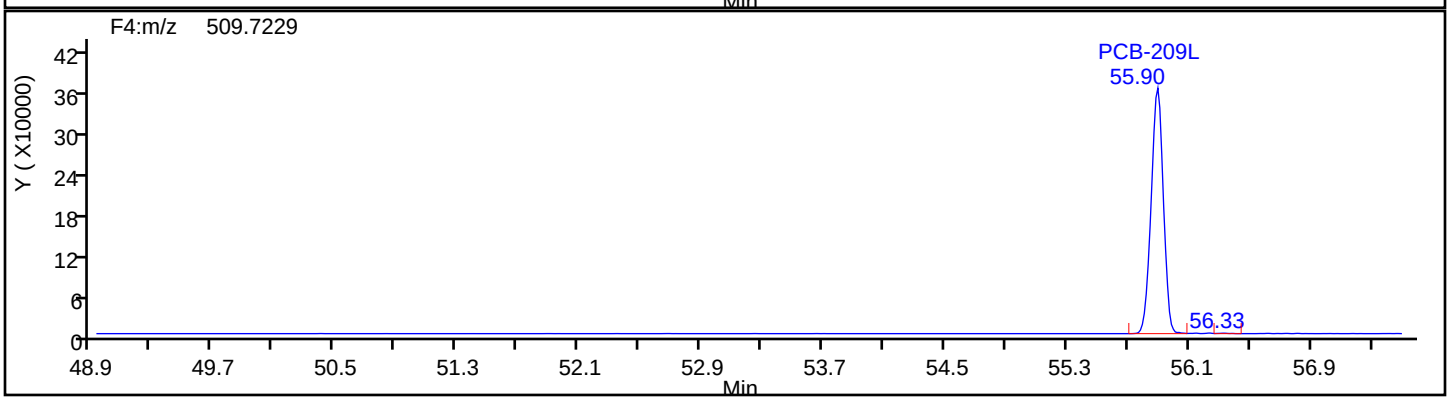
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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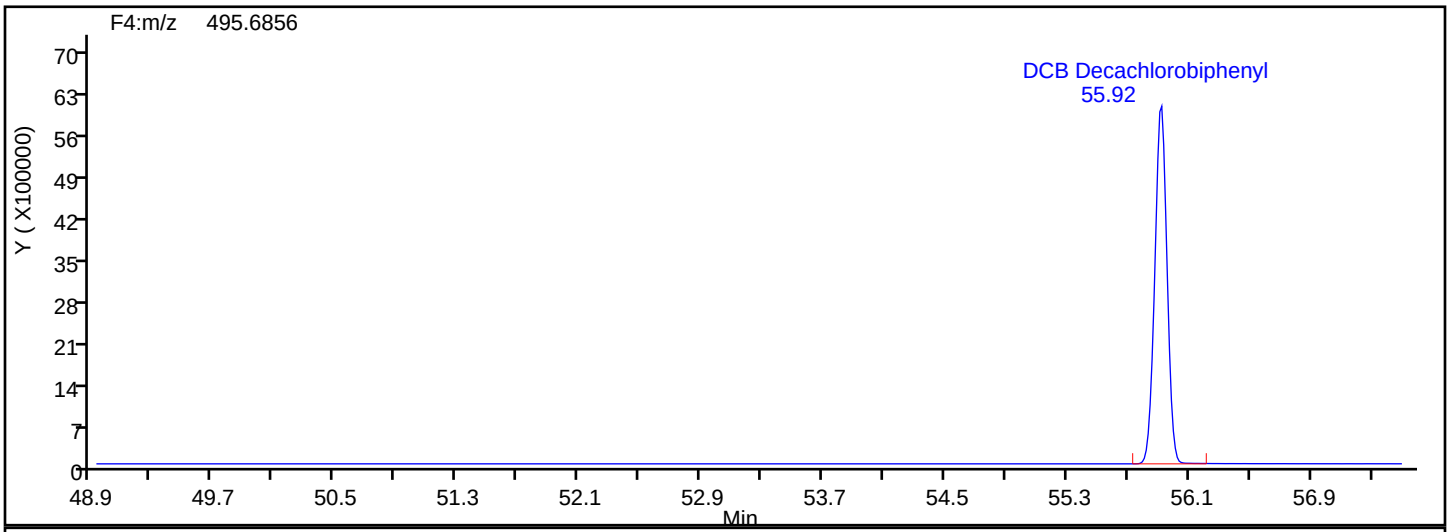
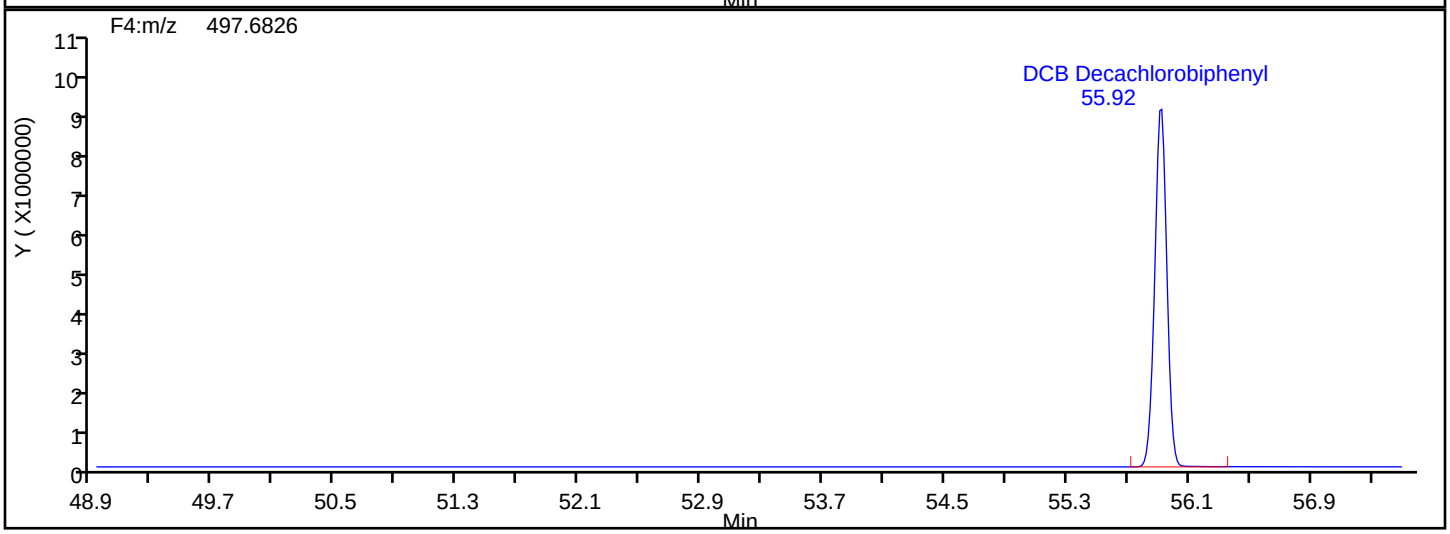
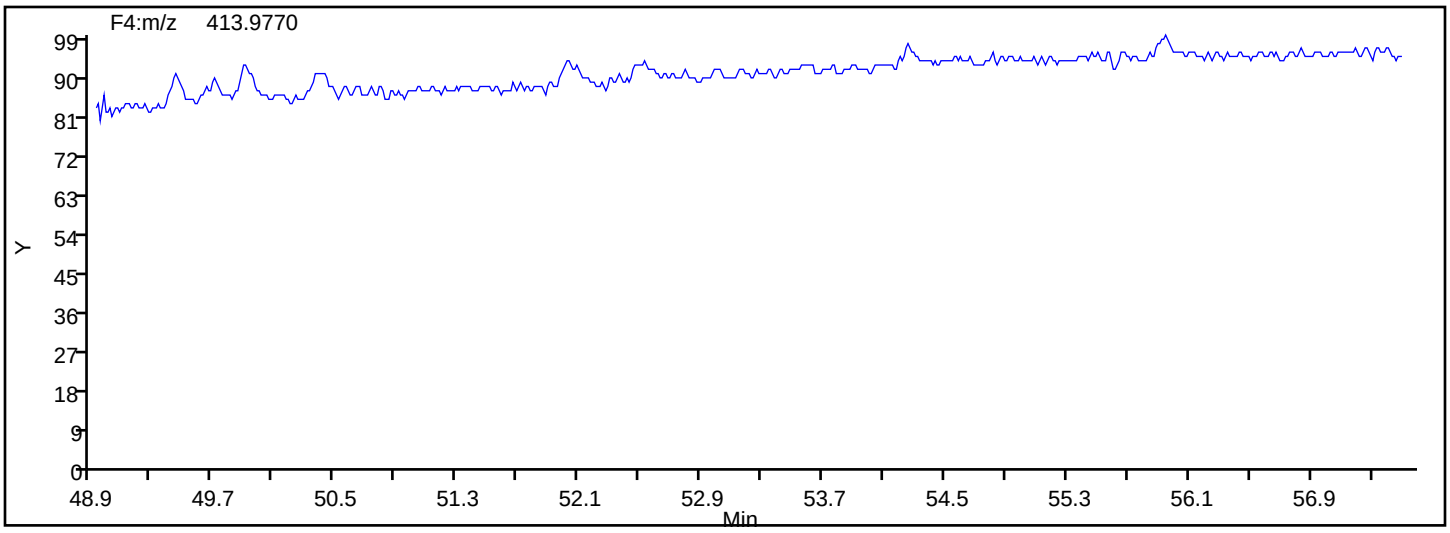
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d | | |
| Injection Date: | 21-Aug-2019 19:05:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 6 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID (1): WDMCCV 140-33865/1  Instrument ID (1): D3D

GC Column (1): SPB-Octyl  ID: 0.25(mm)  Date Analyzed (1): 09/24/2019 12:38

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| PCB-34 | 21.79 | 4 |
| PCB-187 | 41.25 | 2 |

Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

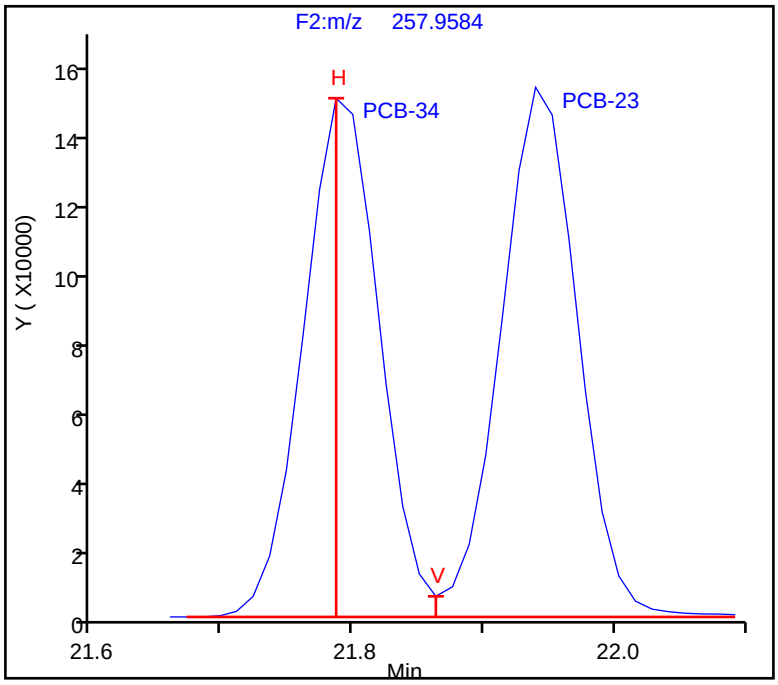
PCB-34 - PCB-23, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 5946
H (Peak Height) = 149379

%R = 4 <= 40
Passed



Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

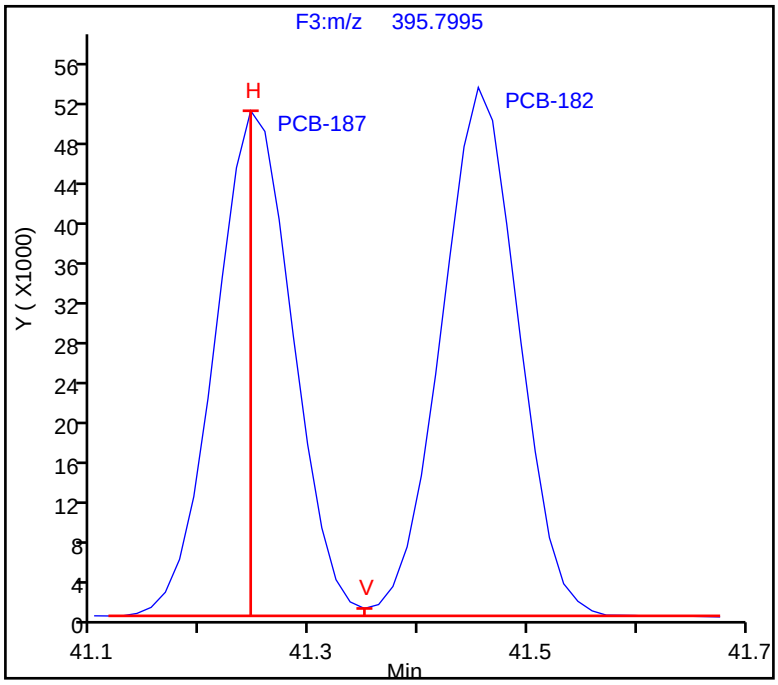
PCB-187 - PCB-182, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 951
H (Peak Height) = 50388

%R = 2 <= 40
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID (1): WDMCCV 140-33925/1  Instrument ID (1): D3D

GC Column (1): SPB-Octyl  ID: 0.25(mm)  Date Analyzed (1): 09/25/2019  22:28

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| PCB-34 | 21.80 | 5 |
| PCB-187 | 41.22 | 2 |

Resolution Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Column: | SPB-Octyl ( 0.25 mm) | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |

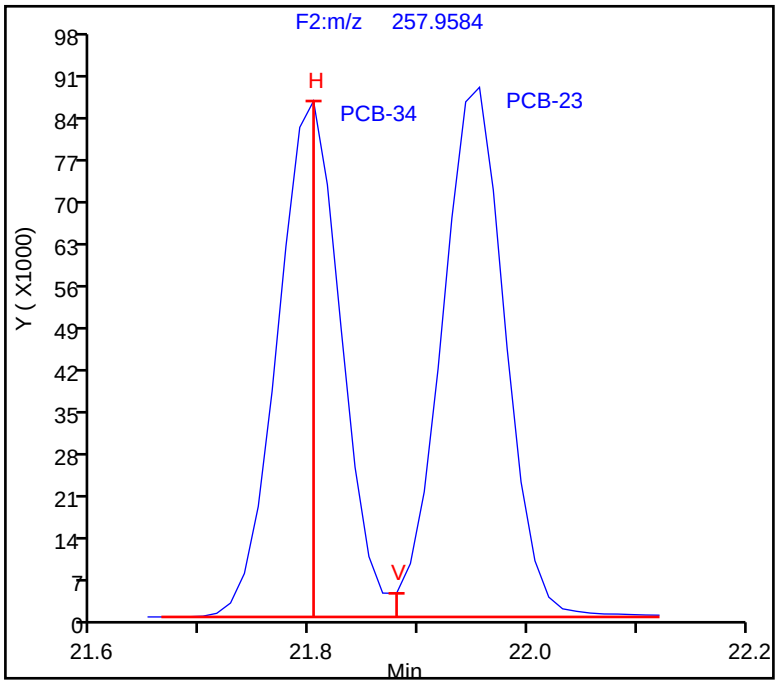
PCB-34 - PCB-23, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 3937
H (Peak Height) = 86002

%R = 5 <= 40
Passed



Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d
Injection Date: 25-Sep-2019 22:28:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

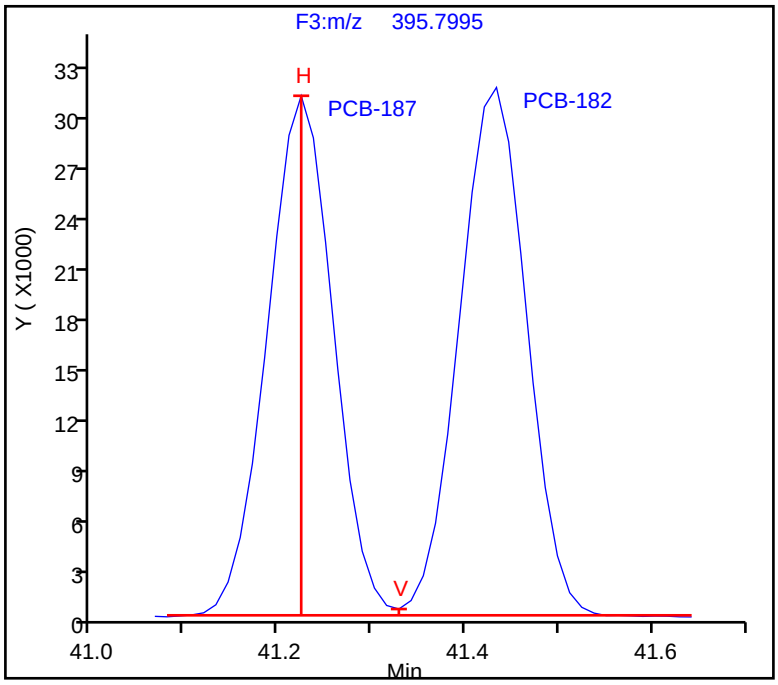
PCB-187 - PCB-182, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 571
H (Peak Height) = 31259

%R = 2 <= 40
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID (1): WDMCCV 140-34146/1  Instrument ID (1): D3D

GC Column (1): SPB-Octyl  ID: 0.25(mm)  Date Analyzed (1): 10/03/2019 11:24

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| PCB-34 | 21.77 | 4 |
| PCB-187 | 41.20 | 2 |

Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

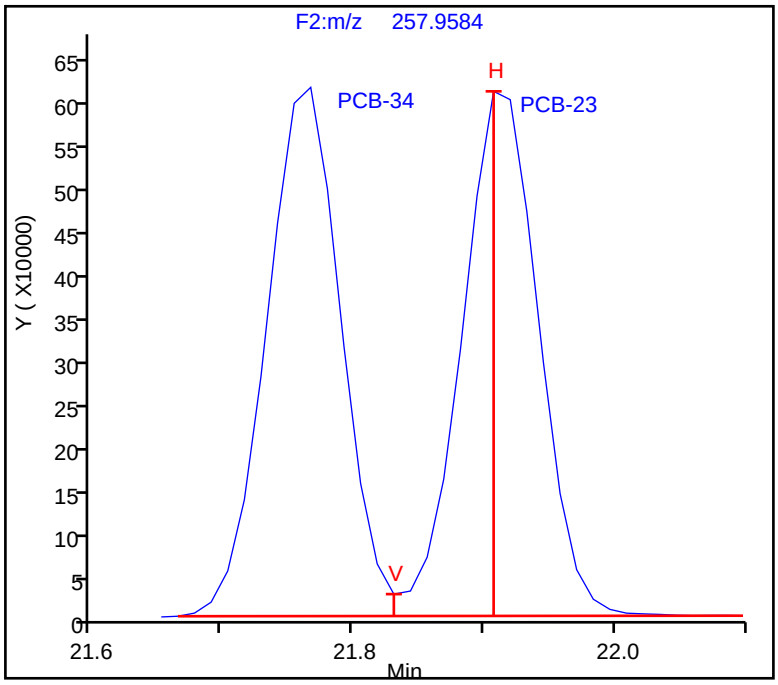
PCB-34 - PCB-23, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 25451
H (Peak Height) = 608981

%R = 4 <= 40
Passed



Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

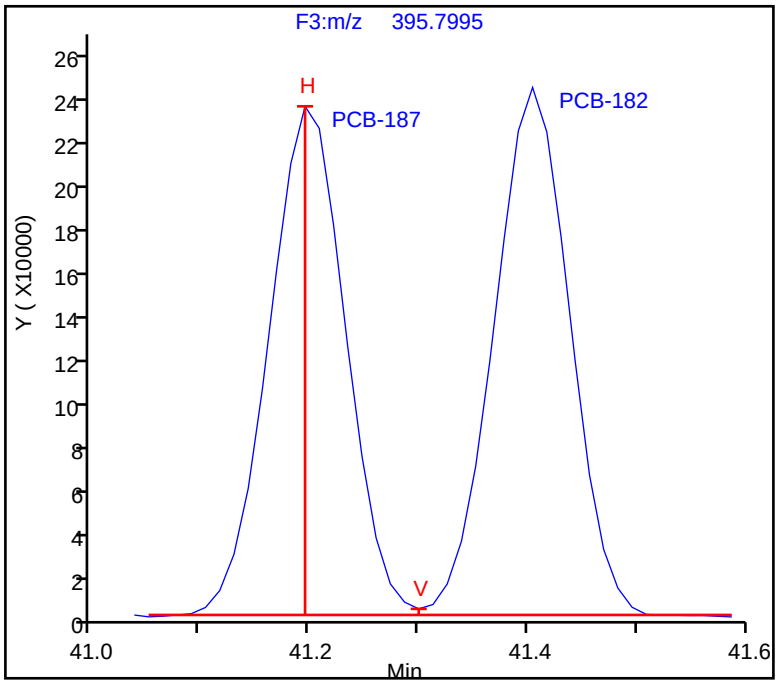
PCB-187 - PCB-182, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 4636
H (Peak Height) = 236178

%R = 2 <= 40
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID (1): WDMCCV 140-34168/1  Instrument ID (1): D3D

GC Column (1): SPB-Octyl  ID: 0.25(mm)  Date Analyzed (1): 10/03/2019  22:32

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| PCB-34 | 21.73 | 4 |
| PCB-187 | 41.17 | 2 |

Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

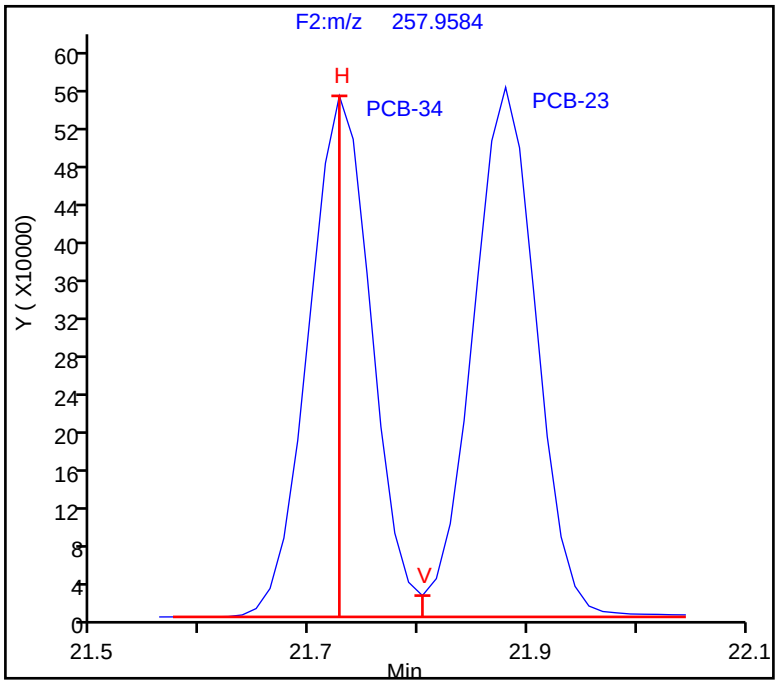
PCB-34 - PCB-23, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 22382
H (Peak Height) = 547178

%R = 4 <= 40
Passed



Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

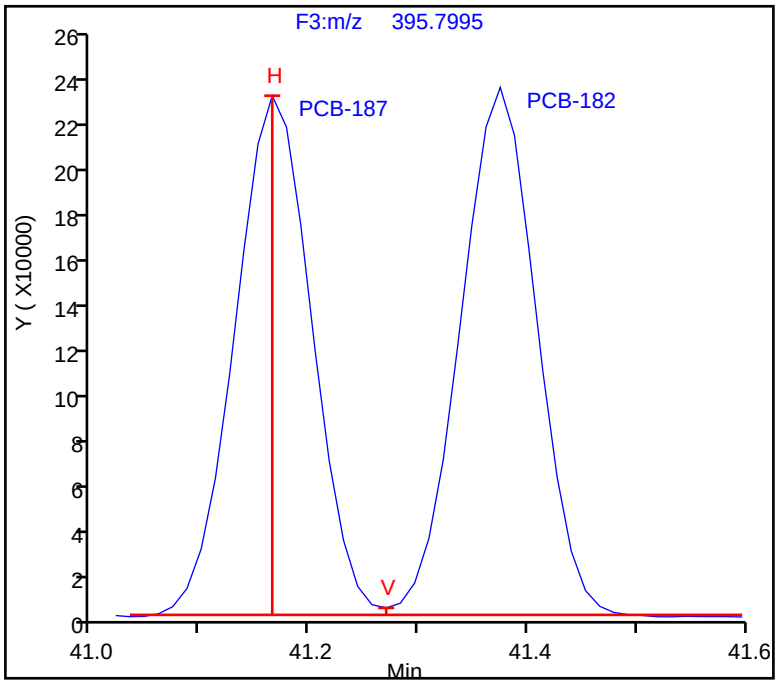
PCB-187 - PCB-182, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 4773
H (Peak Height) = 224689

%R = 2 <= 40
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID (1): WDMCCV 140-34298/1  Instrument ID (1): D3D

GC Column (1): SPB-Octyl  ID: 0.25(mm)  Date Analyzed (1): 10/09/2019 13:16

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| PCB-34 | 21.82 | 4 |
| PCB-187 | 41.28 | 2 |

Resolution Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Column: | SPB-Octyl ( 0.25 mm) | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |

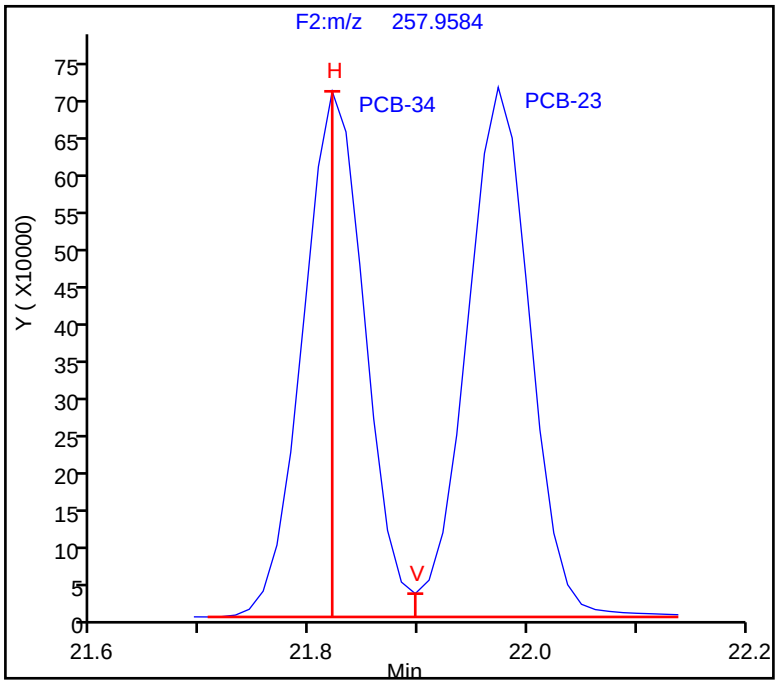
PCB-34 - PCB-23, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 31156
H (Peak Height) = 703048

%R = 4 <= 40
Passed



Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Injection Date: 09-Oct-2019 13:16:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

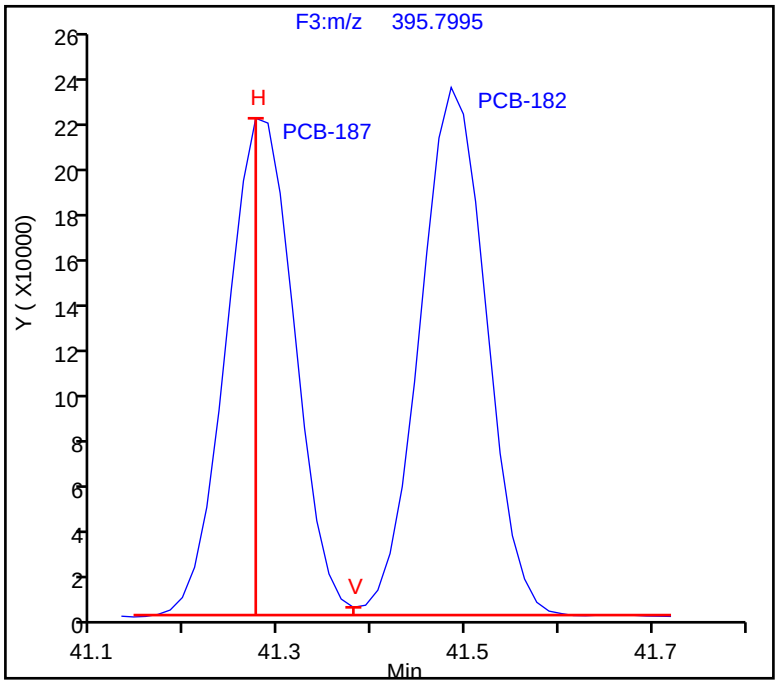
PCB-187 - PCB-182, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 5076
H (Peak Height) = 221432

%R = 2 <= 40
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID (1): WDMCCV 140-34314/1  Instrument ID (1): D3D

GC Column (1): SPB-Octyl  ID: 0.25(mm)  Date Analyzed (1): 10/10/2019  00:50

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| PCB-34 | 21.82 | 4 |
| PCB-187 | 41.27 | 2 |

Resolution Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Column: | SPB-Octyl ( 0.25 mm) | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |

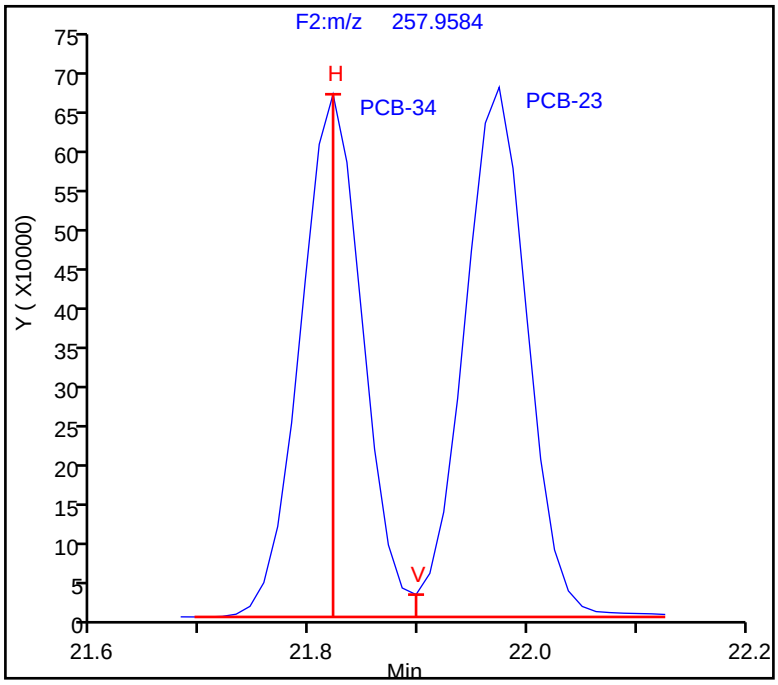
PCB-34 - PCB-23, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 28466
H (Peak Height) = 666066

%R = 4 <= 40
Passed



Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

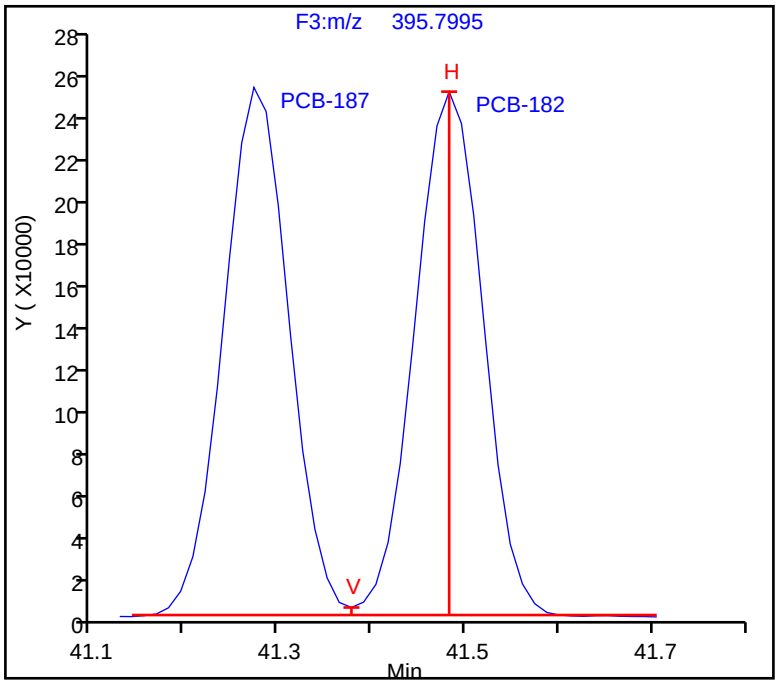
PCB-187 - PCB-182, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 5414
H (Peak Height) = 251931

%R = 2 <= 40
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID (1): WDMCCV 140-34365/1  Instrument ID (1): D3D

GC Column (1): SPB-Octyl  ID: 0.25(mm)  Date Analyzed (1): 10/11/2019 12:49

| ANALYTE | RT | RESOLUTION (%) |
|---|---|---|
| PCB-34 | 21.80 | 4 |
| PCB-187 | 41.25 | 2 |

Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

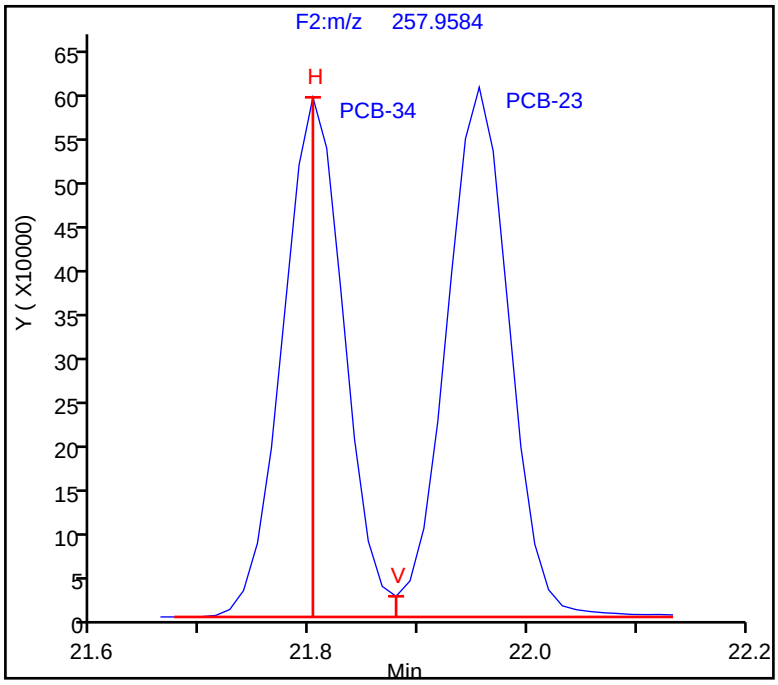
PCB-34 - PCB-23, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 23429
H (Peak Height) = 589536

%R = 4 <= 40
Passed



Resolution Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Column: SPB-Octyl ( 0.25 mm)
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

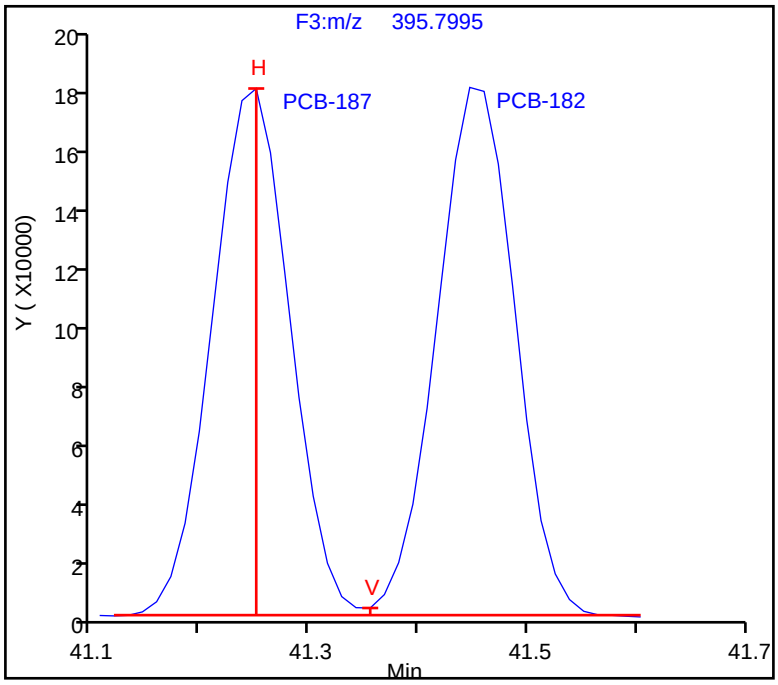
PCB-187 - PCB-182, Signal: 2

Isotopic Dilution PCB Method

%R = (V / H) * 100

V (Valley Height) = 3665
H (Peak Height) = 180895

%R = 2 <= 40
Passed



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: ICV 140-33168/7  Calibration Date: 08/22/2019 16:26

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190822icvb.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.052 | | 44.2 | 50.0 | -11.5 | |
| PCB-2 | AveID | 1.191 | 1.284 | | 53.9 | 50.0 | 7.8 | |
| PCB-3 | AveID | 1.213 | 1.060 | | 43.7 | 50.0 | -12.6 | |
| PCB-4 | AveID | 1.253 | 1.111 | | 44.3 | 50.0 | -11.4 | |
| PCB-10 | AveID | 1.483 | 1.586 | | 53.5 | 50.0 | 6.9 | |
| PCB-9 | AveID | 1.420 | 1.662 | | 58.5 | 50.0 | 17.1 | |
| PCB-7 | AveID | 1.624 | 1.358 | | 41.8 | 50.0 | -16.4 | |
| PCB-6 | AveID | 1.554 | 1.672 | | 53.8 | 50.0 | 7.6 | |
| PCB-5 | AveID | 1.561 | 1.264 | | 40.5 | 50.0 | -19.0 | |
| PCB-8 | AveID | 1.588 | 1.763 | | 55.5 | 50.0 | 11.0 | |
| PCB-19 | AveID | 1.305 | 1.179 | | 45.2 | 50.0 | -9.6 | |
| PCB-14 | AveID | 1.874 | 1.688 | | 45.0 | 50.0 | -9.9 | |
| PCB-18 | AveID | 1.819 | 1.764 | | 97.0 | 100 | -3.0 | |
| PCB-18/30 | AveID | 1.819 | 1.764 | | 97.0 | 100 | -3.0 | |
| PCB-30 | AveID | 1.819 | 1.764 | | 97.0 | 100 | -3.0 | |
| PCB-11 | AveID | 1.635 | 1.594 | | 48.8 | 50.0 | -2.5 | |
| PCB-17 | AveID | 1.564 | 1.394 | | 44.6 | 50.0 | -10.9 | |
| PCB-12 | AveID | 1.641 | 1.413 | | 86.1 | 100 | -13.9 | |
| PCB-12/13 | AveID | 1.641 | 1.413 | | 86.1 | 100 | -13.9 | |
| PCB-13 | AveID | 1.641 | 1.413 | | 86.1 | 100 | -13.9 | |
| PCB-27 | AveID | 2.168 | 2.250 | | 51.9 | 50.0 | 3.8 | |
| PCB-24 | AveID | 2.102 | 1.802 | | 42.9 | 50.0 | -14.3 | |
| PCB-16 | AveID | 1.226 | 1.084 | | 44.2 | 50.0 | -11.6 | |
| PCB-15 | AveID | 1.402 | 1.187 | | 42.3 | 50.0 | -15.4 | |
| PCB-54 | AveID | 1.256 | 1.093 | | 87.0 | 100 | -13.0 | |
| PCB-32 | AveID | 2.342 | 2.443 | | 52.2 | 50.0 | 4.3 | |
| PCB-34 | AveID | 1.215 | 1.313 | | 54.0 | 50.0 | 8.0 | |
| PCB-23 | AveID | 1.268 | 1.059 | | 41.8 | 50.0 | -16.5 | |
| PCB-26 | AveID | 1.319 | 1.287 | | 97.6 | 100 | -2.4 | |
| PCB-26/29 | AveID | 1.319 | 1.287 | | 97.6 | 100 | -2.4 | |
| PCB-29 | AveID | 1.319 | 1.287 | | 97.6 | 100 | -2.4 | |
| PCB-25 | AveID | 1.352 | 1.275 | | 47.1 | 50.0 | -5.7 | |
| PCB-50 | AveID | 0.9362 | 0.8966 | | 192 | 200 | -4.2 | |
| PCB-50/53 | AveID | 0.9362 | 0.8966 | | 192 | 200 | -4.2 | |
| PCB-53 | AveID | 0.9362 | 0.8966 | | 192 | 200 | -4.2 | |
| PCB-31 | AveID | 1.381 | 1.446 | | 52.4 | 50.0 | 4.7 | |
| PCB-20 | AveID | 1.306 | 1.203 | | 92.1 | 100 | -7.9 | |
| PCB-20/28 | AveID | 1.306 | 1.203 | | 92.1 | 100 | -7.9 | |
| PCB-28 | AveID | 1.306 | 1.203 | | 92.1 | 100 | -7.9 | |
| PCB-45 | AveID | 0.8850 | 0.8614 | | 195 | 200 | -2.7 | |
| PCB-45/51 | AveID | 0.8850 | 0.8614 | | 195 | 200 | -2.7 | |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: ICV 140-33168/7  Calibration Date: 08/22/2019 16:26

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190822icvb.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.8614 | | 195 | 200 | -2.7 | |
| PCB-21 | AveID | 1.378 | 1.260 | | 91.5 | 100 | -8.5 | |
| PCB-21/33 | AveID | 1.378 | 1.260 | | 91.5 | 100 | -8.5 | |
| PCB-33 | AveID | 1.378 | 1.260 | | 91.5 | 100 | -8.5 | |
| PCB-46 | AveID | 0.7591 | 0.7309 | | 96.3 | 100 | -3.7 | |
| PCB-22 | AveID | 1.243 | 1.095 | | 44.0 | 50.0 | -11.9 | |
| PCB-52 | AveID | 0.8992 | 1.010 | | 112 | 100 | 12.3 | |
| PCB-43 | AveID | 0.999 | 0.8669 | | 174 | 200 | -13.2 | |
| PCB-43/73 | AveID | 0.999 | 0.8669 | | 174 | 200 | -13.2 | |
| PCB-73 | AveID | 0.999 | 0.8669 | | 174 | 200 | -13.2 | |
| PCB-36 | AveID | 1.347 | 1.414 | | 52.5 | 50.0 | 5.0 | |
| PCB-49 | AveID | 1.137 | 1.032 | | 182 | 200 | -9.2 | |
| PCB-49/69 | AveID | 1.137 | 1.032 | | 182 | 200 | -9.2 | |
| PCB-69 | AveID | 1.137 | 1.032 | | 182 | 200 | -9.2 | |
| PCB-39 | AveID | 1.397 | 1.198 | | 42.9 | 50.0 | -14.2 | |
| PCB-48 | AveID | 0.9454 | 0.8110 | | 85.8 | 100 | -14.2 | |
| PCB-104 | AveID | 1.393 | 1.095 | | 78.6 | 100 | -21.4 | |
| PCB-44 | AveID | 1.032 | 0.9006 | | 262 | 300 | -12.8 | |
| PCB-44/47/65 | AveID | 1.032 | 0.9006 | | 262 | 300 | -12.8 | |
| PCB-47 | AveID | 1.032 | 0.9006 | | 262 | 300 | -12.8 | |
| PCB-65 | AveID | 1.032 | 0.9006 | | 262 | 300 | -12.8 | |
| PCB-38 | AveID | 1.318 | 1.393 | | 52.8 | 50.0 | 5.7 | |
| PCB-59 | AveID | 1.361 | 1.203 | | 265 | 300 | -11.6 | |
| PCB-59/62/75 | AveID | 1.361 | 1.203 | | 265 | 300 | -11.6 | |
| PCB-62 | AveID | 1.361 | 1.203 | | 265 | 300 | -11.6 | |
| PCB-75 | AveID | 1.361 | 1.203 | | 265 | 300 | -11.6 | |
| PCB-96 | AveID | 1.227 | 1.341 | | 109 | 100 | 9.3 | |
| PCB-42 | AveID | 0.8670 | 0.7422 | | 85.6 | 100 | -14.4 | |
| PCB-35 | AveID | 1.217 | 1.311 | | 53.9 | 50.0 | 7.7 | |
| PCB-40 | AveID | 0.9179 | 0.8790 | | 287 | 300 | -4.2 | |
| PCB-40/41/71 | AveID | 0.9179 | 0.8790 | | 287 | 300 | -4.2 | |
| PCB-41 | AveID | 0.9179 | 0.8790 | | 287 | 300 | -4.2 | |
| PCB-71 | AveID | 0.9179 | 0.8790 | | 287 | 300 | -4.2 | |
| PCB-37 | AveID | 1.288 | 1.070 | | 41.5 | 50.0 | -16.9 | |
| PCB-64 | AveID | 1.416 | 1.100 | | 77.7 | 100 | -22.3 | |
| PCB-72 | AveID | 1.316 | 1.444 | | 110 | 100 | 9.7 | |
| PCB-103 | AveID | 1.033 | 1.093 | | 106 | 100 | 5.8 | |
| PCB-68 | AveID | 1.478 | 1.263 | | 85.4 | 100 | -14.6 | |
| PCB-94 | AveID | 0.9036 | 0.7614 | | 84.3 | 100 | -15.7 | |
| PCB-57 | AveID | 1.282 | 1.381 | | 108 | 100 | 7.8 | |
| PCB-95 | AveID | 0.9620 | 1.028 | | 107 | 100 | 6.8 | |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: ICV 140-33168/7  Calibration Date: 08/22/2019 16:26

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190822icvb.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.166 | | 88.3 | 100 | -11.7 | |
| PCB-100 | AveID | 0.9806 | 0.8438 | | 172 | 200 | -14.0 | |
| PCB-93 | AveID | 0.9806 | 0.8438 | | 172 | 200 | -14.0 | |
| PCB-93/100 | AveID | 0.9806 | 0.8438 | | 172 | 200 | -14.0 | |
| PCB-67 | AveID | 1.394 | 1.355 | | 97.2 | 100 | -2.8 | |
| PCB-102 | AveID | 0.9888 | 0.7917 | | 160 | 200 | -19.9 | |
| PCB-98 | AveID | 0.9888 | 0.7917 | | 160 | 200 | -19.9 | |
| PCB-98/102 | AveID | 0.9888 | 0.7917 | | 160 | 200 | -19.9 | |
| PCB-63 | AveID | 1.468 | 1.454 | | 99.0 | 100 | -1.0 | |
| PCB-88 | AveID | 1.005 | 0.9054 | | 180 | 200 | -9.9 | |
| PCB-88/91 | AveID | 1.005 | 0.9054 | | 180 | 200 | -9.9 | |
| PCB-91 | AveID | 1.005 | 0.9054 | | 180 | 200 | -9.9 | |
| PCB-61 | AveID | 1.357 | 1.161 | | 342 | 400 | -14.4 | |
| PCB-61/70/74/76 | AveID | 1.357 | 1.161 | | 342 | 400 | -14.4 | |
| PCB-70 | AveID | 1.357 | 1.161 | | 342 | 400 | -14.4 | |
| PCB-74 | AveID | 1.357 | 1.161 | | 342 | 400 | -14.4 | |
| PCB-76 | AveID | 1.357 | 1.161 | | 342 | 400 | -14.4 | |
| PCB-84 | AveID | 0.8601 | 0.7790 | | 90.6 | 100 | -9.4 | |
| PCB-66 | AveID | 1.280 | 1.450 | | 113 | 100 | 13.2 | |
| PCB-55 | AveID | 1.295 | 1.128 | | 87.1 | 100 | -12.9 | |
| PCB-89 | AveID | 0.8936 | 0.9385 | | 105 | 100 | 5.0 | |
| PCB-56 | AveID | 1.267 | 1.084 | | 85.6 | 100 | -14.4 | |
| PCB-121 | AveID | 1.397 | 1.171 | | 83.8 | 100 | -16.2 | |
| PCB-60 | AveID | 1.329 | 1.150 | | 86.6 | 100 | -13.4 | |
| PCB-92 | AveID | 0.9532 | 1.009 | | 106 | 100 | 5.8 | |
| PCB-80 | AveID | 1.469 | 1.358 | | 92.4 | 100 | -7.6 | |
| PCB-155 | AveID | 1.303 | 1.053 | | 80.9 | 100 | -19.1 | |
| PCB-152 | AveID | 1.256 | 1.285 | | 102 | 100 | 2.3 | |
| PCB-101 | AveID | 1.137 | 1.063 | | 280 | 300 | -6.5 | |
| PCB-113 | AveID | 1.137 | 1.063 | | 280 | 300 | -6.5 | |
| PCB-90 | AveID | 1.137 | 1.063 | | 280 | 300 | -6.5 | |
| PCB-90/101/113 | AveID | 1.137 | 1.063 | | 280 | 300 | -6.5 | |
| PCB-150 | AveID | 1.237 | 1.050 | | 84.9 | 100 | -15.1 | |
| PCB-136 | AveID | 1.156 | 1.267 | | 110 | 100 | 9.5 | |
| PCB-83 | AveID | 0.9393 | 0.9174 | | 195 | 200 | -2.3 | |
| PCB-83/99 | AveID | 0.9393 | 0.9174 | | 195 | 200 | -2.3 | |
| PCB-99 | AveID | 0.9393 | 0.9174 | | 195 | 200 | -2.3 | |
| PCB-112 | AveID | 1.367 | 1.275 | | 93.3 | 100 | -6.7 | |
| PCB-145 | AveID | 1.191 | 1.029 | | 86.4 | 100 | -13.6 | |
| PCB-109 | AveID | 1.196 | 1.049 | | 526 | 600 | -12.3 | |
| PCB-119 | AveID | 1.196 | 1.049 | | 526 | 600 | -12.3 | |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: ICV 140-33168/7  Calibration Date: 08/22/2019 16:26

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190822icvb.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.049 | | 526 | 600 | -12.3 | |
| PCB-79 | AveID | 1.542 | 1.631 | | 106 | 100 | 5.8 | |
| PCB-86 | AveID | 1.196 | 1.049 | | 526 | 600 | -12.3 | |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.049 | | 526 | 600 | -12.3 | |
| PCB-87 | AveID | 1.196 | 1.049 | | 526 | 600 | -12.3 | |
| PCB-97 | AveID | 1.196 | 1.049 | | 526 | 600 | -12.3 | |
| PCB-78 | AveID | 1.315 | 1.382 | | 105 | 100 | 5.1 | |
| PCB-116 | AveID | 1.213 | 1.125 | | 278 | 300 | -7.2 | |
| PCB-117 | AveID | 1.213 | 1.125 | | 278 | 300 | -7.2 | |
| PCB-85 | AveID | 1.213 | 1.125 | | 278 | 300 | -7.2 | |
| PCB-85/116/117 | AveID | 1.213 | 1.125 | | 278 | 300 | -7.2 | |
| PCB-110 | AveID | 1.351 | 1.118 | | 166 | 200 | -17.2 | |
| PCB-110/115 | AveID | 1.351 | 1.118 | | 166 | 200 | -17.2 | |
| PCB-115 | AveID | 1.351 | 1.118 | | 166 | 200 | -17.2 | |
| PCB-81 | AveID | 1.321 | 1.360 | | 103 | 100 | 2.9 | |
| PCB-82 | AveID | 0.8675 | 0.9280 | | 107 | 100 | 7.0 | |
| PCB-148 | AveID | 0.8982 | 0.9240 | | 103 | 100 | 2.9 | |
| PCB-77 | AveID | 1.331 | 0.999 | | 75.1 | 100 | -24.9 | |
| PCB-111 | AveID | 1.426 | 1.214 | | 85.1 | 100 | -14.9 | |
| PCB-135 | AveID | 0.8691 | 0.8310 | | 191 | 200 | -4.4 | |
| PCB-135/151 | AveID | 0.8691 | 0.8310 | | 191 | 200 | -4.4 | |
| PCB-151 | AveID | 0.8691 | 0.8310 | | 191 | 200 | -4.4 | |
| PCB-120 | AveID | 1.491 | 1.541 | | 103 | 100 | 3.4 | |
| PCB-154 | AveID | 1.018 | 0.9622 | | 94.5 | 100 | -5.5 | |
| PCB-144 | AveID | 0.9185 | 0.9687 | | 105 | 100 | 5.5 | |
| PCB-147 | AveID | 0.9747 | 0.9001 | | 185 | 200 | -7.7 | |
| PCB-147/149 | AveID | 0.9747 | 0.9001 | | 185 | 200 | -7.7 | |
| PCB-149 | AveID | 0.9747 | 0.9001 | | 185 | 200 | -7.7 | |
| PCB-134 | AveID | 0.8518 | 0.8200 | | 193 | 200 | -3.7 | |
| PCB-134/143 | AveID | 0.8518 | 0.8200 | | 193 | 200 | -3.7 | |
| PCB-143 | AveID | 0.8518 | 0.8200 | | 193 | 200 | -3.7 | |
| PCB-108 | AveID | 1.255 | 1.200 | | 191 | 200 | -4.3 | |
| PCB-108/124 | AveID | 1.255 | 1.200 | | 191 | 200 | -4.3 | |
| PCB-124 | AveID | 1.255 | 1.200 | | 191 | 200 | -4.3 | |
| PCB-139 | AveID | 1.000 | 0.8805 | | 176 | 200 | -11.9 | |
| PCB-139/140 | AveID | 1.000 | 0.8805 | | 176 | 200 | -11.9 | |
| PCB-140 | AveID | 1.000 | 0.8805 | | 176 | 200 | -11.9 | |
| PCB-107 | AveID | 1.358 | 1.278 | | 94.1 | 100 | -5.9 | |
| PCB-131 | AveID | 0.8584 | 0.7231 | | 84.2 | 100 | -15.8 | |
| PCB-123 | AveID | 1.341 | 1.075 | | 80.2 | 100 | -19.8 | |
| PCB-106 | AveID | 1.275 | 1.345 | | 106 | 100 | 5.5 | |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: ICV 140-33168/7  Calibration Date: 08/22/2019 16:26

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190822icvb.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.9076 | | 106 | 100 | 5.6 | |
| PCB-118 | AveID | 1.289 | 1.089 | | 84.4 | 100 | -15.6 | |
| PCB-132 | AveID | 0.8801 | 0.7549 | | 85.8 | 100 | -14.2 | |
| PCB-122 | AveID | 1.161 | 1.245 | | 107 | 100 | 7.2 | |
| PCB-114 | AveID | 1.405 | 1.161 | | 82.6 | 100 | -17.4 | |
| PCB-188 | AveID | 1.250 | 1.029 | | 82.3 | 100 | -17.7 | |
| PCB-133 | AveID | 0.9064 | 0.9644 | | 106 | 100 | 6.4 | |
| PCB-179 | AveID | 1.415 | 1.550 | | 110 | 100 | 9.5 | |
| PCB-165 | AveID | 1.121 | 1.029 | | 91.8 | 100 | -8.2 | |
| PCB-105 | AveID | 1.289 | 1.359 | | 105 | 100 | 5.4 | |
| PCB-146 | AveID | 1.008 | 1.010 | | 100 | 100 | 0.1 | |
| PCB-161 | AveID | 1.337 | 1.394 | | 104 | 100 | 4.3 | |
| PCB-184 | AveID | 1.419 | 1.374 | | 96.8 | 100 | -3.2 | |
| PCB-176 | AveID | 1.521 | 1.526 | | 100 | 100 | 0.3 | |
| PCB-153 | AveID | 1.221 | 1.159 | | 190 | 200 | -5.0 | |
| PCB-153/168 | AveID | 1.221 | 1.159 | | 190 | 200 | -5.0 | |
| PCB-168 | AveID | 1.221 | 1.159 | | 190 | 200 | -5.0 | |
| PCB-141 | AveID | 0.9608 | 0.9227 | | 96.0 | 100 | -4.0 | |
| PCB-186 | AveID | 1.435 | 1.236 | | 86.2 | 100 | -13.8 | |
| PCB-130 | AveID | 0.8274 | 0.8953 | | 108 | 100 | 8.2 | |
| PCB-127 | AveID | 1.284 | 1.384 | | 108 | 100 | 7.8 | |
| PCB-137 | AveID | 1.058 | 0.8836 | | 83.5 | 100 | -16.5 | |
| PCB-164 | AveID | 1.253 | 1.151 | | 91.9 | 100 | -8.1 | |
| PCB-129 | AveID | 1.084 | 0.9557 | | 353 | 400 | -11.8 | |
| PCB-129/138/160/163 | AveID | 1.084 | 0.9557 | | 353 | 400 | -11.8 | |
| PCB-138 | AveID | 1.084 | 0.9557 | | 353 | 400 | -11.8 | |
| PCB-160 | AveID | 1.084 | 0.9557 | | 353 | 400 | -11.8 | |
| PCB-163 | AveID | 1.084 | 0.9557 | | 353 | 400 | -11.8 | |
| PCB-158 | AveID | 1.386 | 1.333 | | 96.1 | 100 | -3.9 | |
| PCB-178 | AveID | 1.023 | 1.093 | | 107 | 100 | 6.8 | |
| PCB-175 | AveID | 1.069 | 1.140 | | 107 | 100 | 6.6 | |
| PCB-126 | AveID | 1.342 | 1.109 | | 82.7 | 100 | -17.3 | |
| PCB-128 | AveID | 1.116 | 1.091 | | 195 | 200 | -2.3 | |
| PCB-128/166 | AveID | 1.116 | 1.091 | | 195 | 200 | -2.3 | |
| PCB-166 | AveID | 1.116 | 1.091 | | 195 | 200 | -2.3 | |
| PCB-187 | AveID | 1.111 | 1.014 | | 91.3 | 100 | -8.7 | |
| PCB-182 | AveID | 1.148 | 1.031 | | 89.7 | 100 | -10.3 | |
| PCB-183 | AveID | 1.137 | 1.055 | | 186 | 200 | -7.2 | |
| PCB-183/185 | AveID | 1.137 | 1.055 | | 186 | 200 | -7.2 | |
| PCB-185 | AveID | 1.137 | 1.055 | | 186 | 200 | -7.2 | |
| PCB-174 | AveID | 0.9547 | 0.9895 | | 104 | 100 | 3.6 | |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: ICV 140-33168/7  Calibration Date: 08/22/2019 16:26

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190822icvb.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.378 | | 105 | 100 | 4.6 | |
| PCB-162 | AveID | 1.362 | 1.183 | | 86.9 | 100 | -13.1 | |
| PCB-177 | AveID | 0.9426 | 1.037 | | 110 | 100 | 10.0 | |
| PCB-202 | AveID | 1.053 | 0.9306 | | 133 | 150 | -11.6 | |
| PCB-167 | AveID | 1.336 | 1.336 | | 100 | 100 | 0.0 | |
| PCB-181 | AveID | 1.107 | 0.9246 | | 83.5 | 100 | -16.5 | |
| PCB-171 | AveID | 0.9603 | 0.9730 | | 203 | 200 | 1.3 | |
| PCB-171/173 | AveID | 0.9603 | 0.9730 | | 203 | 200 | 1.3 | |
| PCB-173 | AveID | 0.9603 | 0.9730 | | 203 | 200 | 1.3 | |
| PCB-201 | AveID | 1.186 | 1.239 | | 157 | 150 | 4.5 | |
| PCB-156 | AveID | 1.276 | 1.188 | | 186 | 200 | -6.9 | |
| PCB-156/157 | AveID | 1.276 | 1.188 | | 186 | 200 | -6.9 | |
| PCB-157 | AveID | 1.276 | 1.188 | | 186 | 200 | -6.9 | |
| PCB-204 | AveID | 1.101 | 1.210 | | 165 | 150 | 9.9 | |
| PCB-197 | AveID | 1.205 | 1.022 | | 127 | 150 | -15.2 | |
| PCB-200 | AveID | 1.126 | 1.220 | | 163 | 150 | 8.4 | |
| PCB-172 | AveID | 0.9918 | 1.036 | | 105 | 100 | 4.5 | |
| PCB-192 | AveID | 1.290 | 1.116 | | 86.5 | 100 | -13.5 | |
| PCB-180 | AveID | 1.229 | 1.102 | | 179 | 200 | -10.3 | |
| PCB-180/193 | AveID | 1.229 | 1.102 | | 179 | 200 | -10.3 | |
| PCB-193 | AveID | 1.229 | 1.102 | | 179 | 200 | -10.3 | |
| PCB-191 | AveID | 1.385 | 1.457 | | 105 | 100 | 5.2 | |
| PCB-170 | AveID | 1.270 | 1.310 | | 103 | 100 | 3.2 | |
| PCB-190 | AveID | 1.377 | 1.414 | | 103 | 100 | 2.7 | |
| PCB-169 | AveID | 1.283 | 1.053 | | 82.1 | 100 | -17.9 | |
| PCB-198 | AveID | 0.8183 | 0.7899 | | 290 | 300 | -3.5 | |
| PCB-198/199 | AveID | 0.8183 | 0.7899 | | 290 | 300 | -3.5 | |
| PCB-199 | AveID | 0.8183 | 0.7899 | | 290 | 300 | -3.5 | |
| PCB-196 | AveID | 0.8748 | 0.9150 | | 157 | 150 | 4.6 | |
| PCB-203 | AveID | 0.9219 | 0.8107 | | 132 | 150 | -12.1 | |
| PCB-208 | AveID | 1.157 | 0.9567 | | 124 | 150 | -17.3 | |
| PCB-195 | AveID | 0.7839 | 0.9063 | | 173 | 150 | 15.6 | |
| PCB-189 | AveID | 1.280 | 1.006 | | 78.6 | 100 | -21.4 | |
| PCB-207 | AveID | 1.396 | 1.336 | | 143 | 150 | -4.3 | |
| PCB-194 | AveID | 0.9282 | 1.036 | | 167 | 150 | 11.7 | |
| PCB-205 | AveID | 1.234 | 1.019 | | 124 | 150 | -17.5 | |
| PCB-206 | AveID | 1.193 | 1.003 | | 126 | 150 | -15.9 | |
| PCB-209 | AveID | 1.246 | 1.033 | | 124 | 150 | -17.0 | |
| PCB-1L | Ave | 1.314 | 1.339 | | 102 | 100 | 1.9 | |
| PCB-3L | Ave | 1.362 | 1.351 | | 99.2 | 100 | -0.8 | |
| PCB-4L | Ave | 0.5996 | 0.6099 | | 102 | 100 | 1.7 | |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: ICV 140-33168/7  Calibration Date: 08/22/2019 16:26

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190822icvb.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.6247 | | 102 | 100 | 2.5 | |
| PCB-15L | Ave | 1.028 | 1.029 | | 100 | 100 | 0.1 | |
| PCB-54L | Ave | 0.6515 | 0.6828 | | 105 | 100 | 4.8 | |
| PCB-104L | Ave | 1.116 | 1.113 | | 99.7 | 100 | -0.3 | |
| PCB-37L | Ave | 0.9024 | 0.8814 | | 97.7 | 100 | -2.3 | |
| PCB-155L | Ave | 0.9499 | 0.9505 | | 100 | 100 | 0.0 | |
| PCB-81L | Ave | 1.233 | 1.210 | | 98.2 | 100 | -1.8 | |
| PCB-77L | Ave | 1.252 | 1.224 | | 97.8 | 100 | -2.2 | |
| PCB-123L | Ave | 0.9909 | 0.9926 | | 100 | 100 | 0.2 | |
| PCB-118L | Ave | 1.026 | 1.041 | | 101 | 100 | 1.5 | |
| PCB-114L | Ave | 1.003 | 1.005 | | 100 | 100 | 0.2 | |
| PCB-188L | Ave | 1.316 | 1.340 | | 102 | 100 | 1.8 | |
| PCB-105L | Ave | 1.001 | 0.998 | | 99.6 | 100 | -0.4 | |
| PCB-126L | Ave | 0.9020 | 0.8953 | | 99.3 | 100 | -0.7 | |
| PCB-202L | Ave | 1.006 | 1.031 | | 103 | 100 | 2.5 | |
| PCB-167L | Ave | 1.254 | 1.294 | | 103 | 100 | 3.2 | |
| PCB-156L | Ave | 1.229 | 1.249 | | 203 | 200 | 1.6 | |
| PCB-156L/157L | Ave | 1.229 | 1.249 | | 203 | 200 | 1.6 | |
| PCB-157L | Ave | 1.229 | 1.249 | | 203 | 200 | 1.6 | |
| PCB-170L | Ave | 0.8357 | 0.8706 | | 104 | 100 | 4.2 | |
| PCB-169L | Ave | 1.088 | 1.091 | | 100 | 100 | 0.3 | |
| PCB-208L | Ave | 1.138 | 1.174 | | 103 | 100 | 3.1 | |
| PCB-189L | Ave | 1.467 | 1.476 | | 101 | 100 | 0.6 | |
| PCB-205L | Ave | 1.287 | 1.305 | | 101 | 100 | 1.4 | |
| PCB-206L | Ave | 0.8938 | 0.9055 | | 101 | 100 | 1.3 | |
| PCB-209L | Ave | 0.9809 | 0.9839 | | 100 | 100 | 0.3 | |
| PCB-8L | AveID | 1.309 | 1.140 | | 87.1 | 100 | -12.9 | |
| PCB-28L | Ave | 1.098 | 0.9038 | | 82.3 | 100 | -17.7 | |
| PCB-95L | AveID | 0.7770 | 0.6801 | | 87.5 | 100 | -12.5 | |
| PCB-79L | AveID | 1.124 | 1.057 | | 94.1 | 100 | -5.9 | |
| PCB-111L | Ave | 1.218 | 1.044 | | 85.8 | 100 | -14.2 | |
| PCB-153L | AveID | 0.9597 | 0.8634 | | 90.0 | 100 | -10.0 | |
| PCB-178L | Ave | 0.9222 | 0.8332 | | 90.3 | 100 | -9.7 | |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Aug-2019 16:26:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-007
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist:

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:35:51 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 30-Aug-2019 10:59:50

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 141.9 | 141.9 | 0.1482 | 0.1482 | | |
| D PCB-1L | 11:49 | 4569520 | 3.16 | 1.3140 | 101.9 | 101.9 | 0.2404 | 0.2404 | 102 | |
| D PCB-3L | 13:59 | 4608606 | 3.13 | 1.3615 | 99.2 | 99.2 | 0.2320 | 0.2320 | 99.19 | |
| PCB-1 | 11:49 | 2402507 | 3.12 | 1.1883 | 44.2 | 44.2 | 0.1401 | 0.1401 | 88.49 | |
| PCB-2 | 13:49 | 2947280 | 3.13 | 1.1911 | 53.9 | 53.9 | 0.1486 | 0.1486 | 108 | |
| PCB-3 | 13:59 | 2442096 | 3.20 | 1.2130 | 43.7 | 43.7 | 0.1558 | 0.1558 | 87.37 | |
| S Total Dichlorobiphenyls | | | | | 570.1 | 570.1 | 0.0219 | 0.0219 | | |
| D PCB-4L | 14:14 | 2081349 | 1.59 | 0.5996 | 101.7 | 101.7 | 0.1804 | 0.1804 | 102 | |
| * PCB-9L | 16:12 | 3412369 | 1.60 | 4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-8L | 17:02 | 3188072 | 1.61 | 1.3085 | 87.1 | 87.1 | 0.1080 | 0.1080 | 87.12 | |
| D PCB-15L | 20:07 | 3511660 | 1.68 | 1.0280 | 100.1 | 100.1 | 0.1052 | 0.1052 | 100 | |
| PCB-4 | 14:15 | 1156001 | 1.59 | 1.2533 | 44.3 | 44.3 | 0.0296 | 0.0296 | 88.63 | |
| PCB-10 | 14:25 | 2217238 | 1.60 | 1.4828 | 53.5 | 53.5 | 0.0225 | 0.0225 | 107 | |
| PCB-9 | 16:13 | 2324485 | 1.61 | 1.4200 | 58.5 | 58.5 | 0.0235 | 0.0235 | 117 | |
| PCB-7 | 16:23 | 1898970 | 1.58 | 1.6244 | 41.8 | 41.8 | 0.0206 | 0.0206 | 83.61 | |
| PCB-6 | 16:38 | 2337859 | 1.59 | 1.5539 | 53.8 | 53.8 | 0.0215 | 0.0215 | 108 | |
| PCB-5 | 16:56 | 1766961 | 1.59 | 1.5606 | 40.5 | 40.5 | 0.0214 | 0.0214 | 80.97 | |
| PCB-8 | 17:04 | 2465724 | 1.58 | 1.5884 | 55.5 | 55.5 | 0.0210 | 0.0210 | 111 | |
| PCB-14 | 18:41 | 2360432 | 1.58 | 1.8738 | 45.0 | 45.0 | 0.0178 | 0.0178 | 90.09 | |
| PCB-11 | 19:31 | 2228725 | 1.60 | 1.6347 | 48.8 | 48.8 | 0.0204 | 0.0204 | 97.51 | |
| PCB-12 | 19:48 | 3951152 | 1.59 | 1.6410 | 86.1 | 86.1 | 0.0204 | 0.0204 | 86.10 | |
| PCB-13 (C12) | 19:48 | 3951152 | 1.59 | 1.6410 | 86.1 | 86.1 | 0.0204 | 0.0204 | 86.10 | |
| PCB-15 | 20:08 | 2083346 | 1.60 | 1.4024 | 42.3 | 42.3 | 0.0217 | 0.0217 | 84.61 | |
| S Total Trichlorobiphenyl | | | | | 1142.0 | 1142.0 | 0.3158 | 0.3158 | | |
| D PCB-19L | 17:20 | 1153908 | 1.04 | 0.6095 | 102.5 | 102.5 | 0.5726 | 0.5726 | 102 | |
| * PCB-32L | 20:36 | 1847275 | 1.05 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:51 | 5976633 | 1.05 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:09 | 5401743 | 1.06 | 1.0975 | 82.3 | 82.3 | 0.1571 | 0.1571 | 82.35 | |
| D PCB-37L | 27:09 | 5267955 | 1.10 | 0.9024 | 97.7 | 97.7 | 0.1910 | 0.1910 | 97.67 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:22 | 680377 | 1.08 | 1.3047 | 45.2 | 45.2 | 0.0218 | 0.0218 | 90.38 | |
| PCB-18 | 19:12 | 2035300 | 1.09 | 1.8188 | 97.0 | 97.0 | 0.0156 | 0.0156 | 96.98 | |
| PCB-30 (C18) | 19:12 | 2035300 | 1.09 | 1.8188 | 97.0 | 97.0 | 0.0156 | 0.0156 | 96.98 | |
| PCB-17 | 19:38 | 804430 | 1.07 | 1.5641 | 44.6 | 44.6 | 0.0182 | 0.0182 | 89.14 | |
| PCB-27 | 19:51 | 1298085 | 1.07 | 2.1680 | 51.9 | 51.9 | 0.0131 | 0.0131 | 104 | |
| PCB-24 | 19:59 | 1039387 | 1.09 | 2.1018 | 42.9 | 42.9 | 0.0135 | 0.0135 | 85.71 | |
| PCB-16 | 20:06 | 625290 | 1.08 | 1.2260 | 44.2 | 44.2 | 0.0232 | 0.0232 | 88.40 | |
| PCB-32 | 20:36 | 1409500 | 1.08 | 2.3416 | 52.2 | 52.2 | 0.0122 | 0.0122 | 104 | |
| PCB-34 | 21:53 | 3457850 | 1.06 | 1.2154 | 54.0 | 54.0 | 0.5128 | 0.5128 | 108 | |
| PCB-23 | 22:02 | 2789000 | 1.04 | 1.2675 | 41.8 | 41.8 | 0.4917 | 0.4917 | 83.54 | |
| PCB-26 | 22:20 | 6780749 | 1.05 | 1.3193 | 97.6 | 97.6 | 0.4725 | 0.4725 | 97.57 | |
| PCB-29 (C26) | 22:20 | 6780749 | 1.05 | 1.3193 | 97.6 | 97.6 | 0.4725 | 0.4725 | 97.57 | |
| PCB-25 | 22:34 | 3357252 | 1.03 | 1.3523 | 47.1 | 47.1 | 0.4609 | 0.4609 | 94.25 | |
| PCB-31 | 22:52 | 3809158 | 1.05 | 1.3809 | 52.4 | 52.4 | 0.4514 | 0.4514 | 105 | |
| PCB-20 | 23:11 | 6335826 | 1.05 | 1.3057 | 92.1 | 92.1 | 0.4774 | 0.4774 | 92.11 | |
| PCB-28 (C20) | 23:11 | 6335826 | 1.05 | 1.3057 | 92.1 | 92.1 | 0.4774 | 0.4774 | 92.11 | |
| PCB-21 | 23:24 | 6637621 | 1.05 | 1.3777 | 91.5 | 91.5 | 0.4524 | 0.4524 | 91.46 | |
| PCB-33 (C21) | 23:24 | 6637621 | 1.05 | 1.3777 | 91.5 | 91.5 | 0.4524 | 0.4524 | 91.46 | |
| PCB-22 | 23:48 | 2884322 | 1.05 | 1.2430 | 44.0 | 44.0 | 0.5015 | 0.5015 | 88.10 | |
| PCB-36 | 25:22 | 3725130 | 1.06 | 1.3468 | 52.5 | 52.5 | 0.4628 | 0.4628 | 105 | M |
| PCB-39 | 25:43 | 3156793 | 1.05 | 1.3970 | 42.9 | 42.9 | 0.4462 | 0.4462 | 85.79 | |
| PCB-38 | 26:18 | 3668388 | 1.05 | 1.3177 | 52.8 | 52.8 | 0.4730 | 0.4730 | 106 | |
| PCB-35 | 26:46 | 3452956 | 1.06 | 1.2166 | 53.9 | 53.9 | 0.5123 | 0.5123 | 108 | |
| PCB-37 | 27:10 | 2818977 | 1.02 | 1.2879 | 41.5 | 41.5 | 0.4840 | 0.4840 | 83.10 | |
| S Total Tetrachlorobiphen | | | | | 3883.8 | 3883.8 | 0.4472 | 0.4472 | | |
| D PCB-54L | 20:25 | 1261254 | 0.80 | 0.6515 | 104.8 | 104.8 | 0.0490 | 0.0490 | 105 | |
| * PCB-52L | 24:59 | 3410922 | 0.80 | 3.9E+04 | 100.0 | 100.0 | | | | |
| $ PCB-79L | 32:54 | 4390747 | 0.79 | 1.1239 | 94.1 | 94.1 | 0.5930 | 0.5930 | 94.08 | |
| D PCB-81L | 33:54 | 4128194 | 0.81 | 1.2328 | 98.2 | 98.2 | 0.5808 | 0.5808 | 98.17 | |
| D PCB-77L | 34:27 | 4176297 | 0.80 | 1.2523 | 97.8 | 97.8 | 0.5718 | 0.5718 | 97.77 | |
| PCB-54 | 20:26 | 1378483 | 0.80 | 1.2558 | 87.0 | 87.0 | 0.0206 | 0.0206 | 87.03 | |
| PCB-50 | 22:37 | 7445759 | 0.79 | 0.9362 | 191.5 | 191.5 | 0.5758 | 0.5758 | 95.77 | |
| PCB-53 (C50) | 22:37 | 7445759 | 0.79 | 0.9362 | 191.5 | 191.5 | 0.5758 | 0.5758 | 95.77 | |
| PCB-45 | 23:16 | 7153720 | 0.79 | 0.8850 | 194.7 | 194.7 | 0.6091 | 0.6091 | 97.33 | M |
| PCB-51 (C45) | 23:16 | 7153720 | 0.79 | 0.8850 | 194.7 | 194.7 | 0.6091 | 0.6091 | 97.33 | M |
| PCB-46 | 23:35 | 3034899 | 0.79 | 0.7591 | 96.3 | 96.3 | 0.7102 | 0.7102 | 96.29 | |
| PCB-52 | 25:00 | 4192368 | 0.78 | 0.8992 | 112.3 | 112.3 | 0.5995 | 0.5995 | 112 | |
| PCB-43 | 25:09 | 7199443 | 0.79 | 0.9993 | 173.5 | 173.5 | 0.5394 | 0.5394 | 86.75 | M |
| PCB-73 (C43) | 25:09 | 7199443 | 0.79 | 0.9993 | 173.5 | 173.5 | 0.5394 | 0.5394 | 86.75 | M |
| PCB-49 | 25:28 | 8567098 | 0.79 | 1.1366 | 181.5 | 181.5 | 0.4743 | 0.4743 | 90.77 | M |
| PCB-69 (C49) | 25:28 | 8567098 | 0.79 | 1.1366 | 181.5 | 181.5 | 0.4743 | 0.4743 | 90.77 | M |
| PCB-48 | 25:47 | 3367375 | 0.79 | 0.9454 | 85.8 | 85.8 | 0.5702 | 0.5702 | 85.78 | |
| PCB-44 | 26:02 | 11217924 | 0.79 | 1.0323 | 261.7 | 261.7 | 0.5222 | 0.5222 | 87.24 | |
| PCB-47 (C44) | 26:02 | 11217924 | 0.79 | 1.0323 | 261.7 | 261.7 | 0.5222 | 0.5222 | 87.24 | |
| PCB-65 (C44) | 26:02 | 11217924 | 0.79 | 1.0323 | 261.7 | 261.7 | 0.5222 | 0.5222 | 87.24 | |
| PCB-59 | 26:19 | 14991193 | 0.79 | 1.3609 | 265.3 | 265.3 | 0.3961 | 0.3961 | 88.43 | |
| PCB-62 (C59) | 26:19 | 14991193 | 0.79 | 1.3609 | 265.3 | 265.3 | 0.3961 | 0.3961 | 88.43 | |
| PCB-75 (C59) | 26:19 | 14991193 | 0.79 | 1.3609 | 265.3 | 265.3 | 0.3961 | 0.3961 | 88.43 | |
| PCB-42 | 26:31 | 3081783 | 0.79 | 0.8670 | 85.6 | 85.6 | 0.6218 | 0.6218 | 85.60 | |
| PCB-40 | 27:01 | 10949589 | 0.78 | 0.9179 | 287.3 | 287.3 | 0.5873 | 0.5873 | 95.76 | M |
| PCB-41 (C40) | 27:01 | 10949589 | 0.78 | 0.9179 | 287.3 | 287.3 | 0.5873 | 0.5873 | 95.76 | M |
| PCB-71 (C40) | 27:01 | 10949589 | 0.78 | 0.9179 | 287.3 | 287.3 | 0.5873 | 0.5873 | 95.76 | M |
| PCB-64 | 27:14 | 4567122 | 0.79 | 1.4164 | 77.7 | 77.7 | 0.3806 | 0.3806 | 77.66 | |
| PCB-72 | 28:04 | 5995846 | 0.79 | 1.3157 | 109.7 | 109.7 | 0.4097 | 0.4097 | 110 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:22 | 5243989 | 0.79 | 1.4782 | 85.4 | 85.4 | 0.3647 | 0.3647 | 85.43 | |
| PCB-57 | 28:47 | 5734819 | 0.78 | 1.2817 | 107.8 | 107.8 | 0.4206 | 0.4206 | 108 | |
| PCB-58 | 29:01 | 4842277 | 0.79 | 1.3214 | 88.3 | 88.3 | 0.4080 | 0.4080 | 88.26 | |
| PCB-67 | 29:12 | 5627088 | 0.79 | 1.3944 | 97.2 | 97.2 | 0.3866 | 0.3866 | 97.19 | |
| PCB-63 | 29:27 | 6037193 | 0.79 | 1.4685 | 99.0 | 99.0 | 0.3671 | 0.3671 | 99.01 | |
| PCB-61 | 29:48 | 19288256 | 0.79 | 1.3565 | 342.4 | 342.4 | 0.3974 | 0.3974 | 85.61 | |
| PCB-70 (C61) | 29:48 | 19288256 | 0.79 | 1.3565 | 342.4 | 342.4 | 0.3974 | 0.3974 | 85.61 | |
| PCB-74 (C61) | 29:48 | 19288256 | 0.79 | 1.3565 | 342.4 | 342.4 | 0.3974 | 0.3974 | 85.61 | |
| PCB-76 (C61) | 29:48 | 19288256 | 0.79 | 1.3565 | 342.4 | 342.4 | 0.3974 | 0.3974 | 85.61 | |
| PCB-66 | 30:07 | 6018919 | 0.80 | 1.2800 | 113.2 | 113.2 | 0.4212 | 0.4212 | 113 | |
| PCB-55 | 30:16 | 4682099 | 0.78 | 1.2951 | 87.1 | 87.1 | 0.4162 | 0.4162 | 87.07 | |
| PCB-56 | 30:46 | 4502093 | 0.79 | 1.2671 | 85.6 | 85.6 | 0.4255 | 0.4255 | 85.57 | |
| PCB-60 | 30:59 | 4775802 | 0.79 | 1.3288 | 86.6 | 86.6 | 0.4057 | 0.4057 | 86.56 | |
| PCB-80 | 31:25 | 5638027 | 0.79 | 1.4694 | 92.4 | 92.4 | 0.3669 | 0.3669 | 92.41 | |
| PCB-79 | 32:56 | 6774166 | 0.79 | 1.5421 | 105.8 | 105.8 | 0.3496 | 0.3496 | 106 | |
| PCB-78 | 33:29 | 5739786 | 0.79 | 1.3150 | 105.1 | 105.1 | 0.4100 | 0.4100 | 105 | |
| PCB-81 | 33:55 | 5612931 | 0.79 | 1.3214 | 102.9 | 102.9 | 0.4039 | 0.4039 | 103 | |
| PCB-77 | 34:29 | 4173509 | 0.78 | 1.3308 | 75.1 | 75.1 | 0.4092 | 0.4092 | 75.09 | |
| S Total Pentachlorobiphen | | | | | 4258.4 | 4258.4 | 0.2257 | 0.2257 | | |
| D PCB-104L | 25:56 | 3209955 | 1.59 | 1.1164 | 99.7 | 99.7 | 0.008064 | 0.008064 | 99.73 | |
| $ PCB-95L | 28:53 | 2183032 | 1.59 | 0.7770 | 87.5 | 87.5 | 0.009647 | 0.009647 | 87.53 | |
| * PCB-101L | 31:51 | 2882970 | 1.59 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:31 | 3011183 | 1.59 | 1.2177 | 85.8 | 85.8 | 0.007393 | 0.007393 | 85.77 | |
| D PCB-123L | 36:29 | 4255749 | 1.62 | 0.9909 | 100.2 | 100.2 | 0.8091 | 0.8091 | 100 | |
| D PCB-118L | 36:49 | 4463078 | 1.59 | 1.0256 | 101.5 | 101.5 | 0.7818 | 0.7818 | 101 | |
| D PCB-114L | 37:20 | 4310575 | 1.62 | 1.0030 | 100.2 | 100.2 | 0.7994 | 0.7994 | 100 | |
| D PCB-105L | 37:58 | 4277071 | 1.60 | 1.0013 | 99.6 | 99.6 | 0.8008 | 0.8008 | 99.63 | |
| * PCB-127L | 39:28 | 4287517 | 1.60 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:04 | 3838545 | 1.56 | 0.9020 | 99.3 | 99.3 | 0.8889 | 0.8889 | 99.25 | |
| PCB-104 | 25:58 | 3514574 | 1.58 | 1.3926 | 78.6 | 78.6 | 0.0139 | 0.0139 | 78.62 | |
| PCB-96 | 26:19 | 4304685 | 1.60 | 1.2268 | 109.3 | 109.3 | 0.0158 | 0.0158 | 109 | |
| PCB-103 | 28:16 | 3509357 | 1.60 | 1.0331 | 105.8 | 105.8 | 0.0187 | 0.0187 | 106 | |
| PCB-94 | 28:29 | 2444167 | 1.59 | 0.9036 | 84.3 | 84.3 | 0.0214 | 0.0214 | 84.26 | |
| PCB-95 | 28:55 | 3299094 | 1.59 | 0.9620 | 106.8 | 106.8 | 0.0201 | 0.0201 | 107 | |
| PCB-93 | 29:09 | 5417277 | 1.57 | 0.9806 | 172.1 | 172.1 | 0.0197 | 0.0197 | 86.05 | |
| PCB-100 (C93) | 29:09 | 5417277 | 1.57 | 0.9806 | 172.1 | 172.1 | 0.0197 | 0.0197 | 86.05 | |
| PCB-98 | 29:17 | 5082615 | 1.58 | 0.9888 | 160.1 | 160.1 | 0.0196 | 0.0196 | 80.06 | M |
| PCB-102 (C98) | 29:17 | 5082615 | 1.58 | 0.9888 | 160.1 | 160.1 | 0.0196 | 0.0196 | 80.06 | M |
| PCB-88 | 29:41 | 5812713 | 1.58 | 1.0052 | 180.1 | 180.1 | 0.0193 | 0.0193 | 90.07 | Ma |
| PCB-91 (C88) | 29:41 | 5812713 | 1.58 | 1.0052 | 180.1 | 180.1 | 0.0193 | 0.0193 | 90.07 | Ma |
| PCB-84 | 30:00 | 2500615 | 1.56 | 0.8601 | 90.6 | 90.6 | 0.0225 | 0.0225 | 90.57 | |
| PCB-89 | 30:29 | 3012438 | 1.58 | 0.8936 | 105.0 | 105.0 | 0.0217 | 0.0217 | 105 | |
| PCB-121 | 30:55 | 3757988 | 1.58 | 1.3971 | 83.8 | 83.8 | 0.0139 | 0.0139 | 83.80 | |
| PCB-92 | 31:17 | 3237599 | 1.58 | 0.9532 | 105.8 | 105.8 | 0.0203 | 0.0203 | 106 | |
| PCB-90 | 31:51 | 10233097 | 1.57 | 1.1367 | 280.5 | 280.5 | 0.0170 | 0.0170 | 93.49 | |
| PCB-101 (C90) | 31:51 | 10233097 | 1.57 | 1.1367 | 280.5 | 280.5 | 0.0170 | 0.0170 | 93.49 | |
| PCB-113 (C90) | 31:51 | 10233097 | 1.57 | 1.1367 | 280.5 | 280.5 | 0.0170 | 0.0170 | 93.49 | |
| PCB-83 | 32:26 | 5889635 | 1.55 | 0.9393 | 195.3 | 195.3 | 0.0206 | 0.0206 | 97.67 | |
| PCB-99 (C83) | 32:26 | 5889635 | 1.55 | 0.9393 | 195.3 | 195.3 | 0.0206 | 0.0206 | 97.67 | |
| PCB-112 | 32:33 | 4092561 | 1.58 | 1.3672 | 93.3 | 93.3 | 0.0142 | 0.0142 | 93.25 | |
| PCB-86 | 32:56 | 20206772 | 1.58 | 1.1958 | 526.4 | 526.4 | 0.0162 | 0.0162 | 87.74 | M |
| PCB-87 (C86) | 32:56 | 20206772 | 1.58 | 1.1958 | 526.4 | 526.4 | 0.0162 | 0.0162 | 87.74 | M |
| PCB-97 (C86) | 32:56 | 20206772 | 1.58 | 1.1958 | 526.4 | 526.4 | 0.0162 | 0.0162 | 87.74 | M |
| PCB-109 (C86) | 32:56 | 20206772 | 1.58 | 1.1958 | 526.4 | 526.4 | 0.0162 | 0.0162 | 87.74 | M |
| PCB-119 (C86) | 32:56 | 20206772 | 1.58 | 1.1958 | 526.4 | 526.4 | 0.0162 | 0.0162 | 87.74 | M |
| PCB-125 (C86) | 32:56 | 20206772 | 1.58 | 1.1958 | 526.4 | 526.4 | 0.0162 | 0.0162 | 87.74 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:40 | 10830867 | 1.58 | 1.2126 | 278.3 | 278.3 | 0.0160 | 0.0160 | 92.75 | |
| PCB-116 (C85) | 33:40 | 10830867 | 1.58 | 1.2126 | 278.3 | 278.3 | 0.0160 | 0.0160 | 92.75 | |
| PCB-117 (C85) | 33:40 | 10830867 | 1.58 | 1.2126 | 278.3 | 278.3 | 0.0160 | 0.0160 | 92.75 | |
| PCB-110 | 33:54 | 7179110 | 1.58 | 1.3511 | 165.5 | 165.5 | 0.0143 | 0.0143 | 82.77 | M |
| PCB-115 (C110) | 33:54 | 7179110 | 1.58 | 1.3511 | 165.5 | 165.5 | 0.0143 | 0.0143 | 82.77 | M |
| PCB-82 | 34:09 | 2978876 | 1.58 | 0.8675 | 107.0 | 107.0 | 0.0223 | 0.0223 | 107 | |
| PCB-111 | 34:33 | 3895756 | 1.59 | 1.4262 | 85.1 | 85.1 | 0.0136 | 0.0136 | 85.10 | |
| PCB-120 | 35:01 | 4945977 | 1.58 | 1.4907 | 103.4 | 103.4 | 0.0130 | 0.0130 | 103 | |
| PCB-108 | 36:09 | 10151075 | 1.55 | 1.2547 | 191.3 | 191.3 | 0.6827 | 0.6827 | 95.66 | |
| PCB-124 (C108) | 36:09 | 10151075 | 1.55 | 1.2547 | 191.3 | 191.3 | 0.6827 | 0.6827 | 95.66 | |
| PCB-107 | 36:23 | 5405329 | 1.57 | 1.3580 | 94.1 | 94.1 | 0.6308 | 0.6308 | 94.12 | |
| PCB-123 | 36:31 | 4574496 | 1.56 | 1.3407 | 80.2 | 80.2 | 0.6267 | 0.6267 | 80.18 | |
| PCB-106 | 36:37 | 5688217 | 1.58 | 1.2749 | 105.5 | 105.5 | 0.6719 | 0.6719 | 106 | |
| PCB-118 | 36:50 | 4858207 | 1.58 | 1.2892 | 84.4 | 84.4 | 0.6150 | 0.6150 | 84.44 | |
| PCB-122 | 37:11 | 5265440 | 1.58 | 1.1614 | 107.2 | 107.2 | 0.7376 | 0.7376 | 107 | |
| PCB-114 | 37:22 | 5003163 | 1.56 | 1.4051 | 82.6 | 82.6 | 0.5929 | 0.5929 | 82.61 | |
| PCB-105 | 38:00 | 5810792 | 1.57 | 1.2887 | 105.4 | 105.4 | 0.6633 | 0.6633 | 105 | |
| PCB-127 | 39:29 | 5852242 | 1.57 | 1.2841 | 107.8 | 107.8 | 0.6671 | 0.6671 | 108 | |
| PCB-126 | 41:05 | 4258784 | 1.58 | 1.3416 | 82.7 | 82.7 | 0.7342 | 0.7342 | 82.70 | |
| S Total Hexachlorobipheny | | | | | 3963.2 | 3963.2 | 0.4528 | 0.4528 | | |
| D PCB-155L | 31:38 | 2740278 | 1.30 | 0.9499 | 100.1 | 100.1 | 0.005514 | 0.005514 | 100 | |
| $ PCB-153L | 38:42 | 3204478 | 1.26 | 0.9597 | 90.0 | 90.0 | 0.6489 | 0.6489 | 89.96 | |
| * PCB-138L | 39:56 | 3040423 | 1.29 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:57 | 3934341 | 1.27 | 1.2544 | 103.2 | 103.2 | 0.5205 | 0.5205 | 103 | |
| D PCB-156L | 44:06 | 7593084 | 1.28 | 1.2289 | 203.2 | 203.2 | 0.5313 | 0.5313 | 102 | |
| D PCB-157L (C156L) | 44:06 | 7593084 | 1.28 | 1.2289 | 203.2 | 203.2 | 0.5313 | 0.5313 | 102 | |
| D PCB-169L | 47:20 | 3317934 | 1.24 | 1.0883 | 100.3 | 100.3 | 0.5999 | 0.5999 | 100 | |
| PCB-155 | 31:39 | 2886535 | 1.29 | 1.3028 | 80.9 | 80.9 | 0.0153 | 0.0153 | 80.85 | |
| PCB-152 | 31:50 | 3520483 | 1.29 | 1.2556 | 102.3 | 102.3 | 0.0158 | 0.0158 | 102 | |
| PCB-150 | 32:00 | 2876798 | 1.26 | 1.2368 | 84.9 | 84.9 | 0.0161 | 0.0161 | 84.88 | |
| PCB-136 | 32:21 | 3470889 | 1.28 | 1.1563 | 109.5 | 109.5 | 0.0172 | 0.0172 | 110 | |
| PCB-145 | 32:39 | 2818741 | 1.26 | 1.1910 | 86.4 | 86.4 | 0.0167 | 0.0167 | 86.37 | |
| PCB-148 | 34:10 | 2531976 | 1.25 | 0.8982 | 102.9 | 102.9 | 0.0221 | 0.0221 | 103 | |
| PCB-135 | 34:45 | 4554229 | 1.27 | 0.8691 | 191.2 | 191.2 | 0.0229 | 0.0229 | 95.61 | |
| PCB-151 (C135) | 34:45 | 4554229 | 1.27 | 0.8691 | 191.2 | 191.2 | 0.0229 | 0.0229 | 95.61 | |
| PCB-154 | 35:02 | 2636671 | 1.27 | 1.0180 | 94.5 | 94.5 | 0.0195 | 0.0195 | 94.52 | |
| PCB-144 | 35:19 | 2654545 | 1.28 | 0.9185 | 105.5 | 105.5 | 0.0216 | 0.0216 | 105 | |
| PCB-147 | 35:42 | 6681222 | 1.24 | 0.9747 | 184.7 | 184.7 | 0.6829 | 0.6829 | 92.35 | |
| PCB-149 (C147) | 35:42 | 6681222 | 1.24 | 0.9747 | 184.7 | 184.7 | 0.6829 | 0.6829 | 92.35 | |
| PCB-134 | 35:59 | 6086595 | 1.25 | 0.8518 | 192.5 | 192.5 | 0.7814 | 0.7814 | 96.26 | |
| PCB-143 (C134) | 35:59 | 6086595 | 1.25 | 0.8518 | 192.5 | 192.5 | 0.7814 | 0.7814 | 96.26 | |
| PCB-139 | 36:17 | 6535871 | 1.25 | 0.9995 | 176.2 | 176.2 | 0.6660 | 0.6660 | 88.10 | |
| PCB-140 (C139) | 36:17 | 6535871 | 1.25 | 0.9995 | 176.2 | 176.2 | 0.6660 | 0.6660 | 88.10 | |
| PCB-131 | 36:29 | 2683554 | 1.25 | 0.8584 | 84.2 | 84.2 | 0.7754 | 0.7754 | 84.23 | |
| PCB-142 | 36:38 | 3368290 | 1.25 | 0.8597 | 105.6 | 105.6 | 0.7743 | 0.7743 | 106 | |
| PCB-132 | 36:56 | 2801553 | 1.25 | 0.8801 | 85.8 | 85.8 | 0.7564 | 0.7564 | 85.77 | |
| PCB-133 | 37:27 | 3579289 | 1.25 | 0.9064 | 106.4 | 106.4 | 0.7344 | 0.7344 | 106 | |
| PCB-165 | 37:51 | 3818964 | 1.26 | 1.1210 | 91.8 | 91.8 | 0.5938 | 0.5938 | 91.79 | |
| PCB-146 | 38:06 | 3747679 | 1.24 | 1.0084 | 100.1 | 100.1 | 0.6601 | 0.6601 | 100 | |
| PCB-161 | 38:14 | 5173360 | 1.26 | 1.3370 | 104.3 | 104.3 | 0.4979 | 0.4979 | 104 | |
| PCB-153 | 38:45 | 8606296 | 1.23 | 1.2207 | 190.0 | 190.0 | 0.5453 | 0.5453 | 94.99 | |
| PCB-168 (C153) | 38:45 | 8606296 | 1.23 | 1.2207 | 190.0 | 190.0 | 0.5453 | 0.5453 | 94.99 | |
| PCB-141 | 38:54 | 3424408 | 1.25 | 0.9608 | 96.0 | 96.0 | 0.6928 | 0.6928 | 96.03 | |
| PCB-130 | 39:19 | 3322618 | 1.25 | 0.8274 | 108.2 | 108.2 | 0.8045 | 0.8045 | 108 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:32 | 3279463 | 1.25 | 1.0582 | 83.5 | 83.5 | 0.6290 | 0.6290 | 83.50 | |
| PCB-164 | 39:39 | 4270580 | 1.25 | 1.2527 | 91.9 | 91.9 | 0.5314 | 0.5314 | 91.86 | |
| PCB-129 | 39:59 | 14187443 | 1.25 | 1.0840 | 352.7 | 352.7 | 0.6141 | 0.6141 | 88.17 | M |
| PCB-138 (C129) | 39:59 | 14187443 | 1.25 | 1.0840 | 352.7 | 352.7 | 0.6141 | 0.6141 | 88.17 | M |
| PCB-160 (C129) | 39:59 | 14187443 | 1.25 | 1.0840 | 352.7 | 352.7 | 0.6141 | 0.6141 | 88.17 | M |
| PCB-163 (C129) | 39:59 | 14187443 | 1.25 | 1.0840 | 352.7 | 352.7 | 0.6141 | 0.6141 | 88.17 | M |
| PCB-158 | 40:21 | 4945713 | 1.25 | 1.3862 | 96.1 | 96.1 | 0.4802 | 0.4802 | 96.13 | |
| PCB-128 | 41:12 | 8097363 | 1.24 | 1.1165 | 195.4 | 195.4 | 0.5962 | 0.5962 | 97.71 | |
| PCB-166 (C128) | 41:12 | 8097363 | 1.24 | 1.1165 | 195.4 | 195.4 | 0.5962 | 0.5962 | 97.71 | |
| PCB-159 | 42:12 | 5113514 | 1.25 | 1.3178 | 104.6 | 104.6 | 0.5051 | 0.5051 | 105 | |
| PCB-162 | 42:29 | 4390964 | 1.25 | 1.3623 | 86.9 | 86.9 | 0.4886 | 0.4886 | 86.85 | |
| PCB-167 | 42:58 | 5255313 | 1.24 | 1.3357 | 100.0 | 100.0 | 0.3964 | 0.3964 | 100 | |
| PCB-156 | 44:07 | 9020609 | 1.25 | 1.2759 | 186.2 | 186.2 | 0.6033 | 0.6033 | 93.11 | |
| PCB-157 (C156) | 44:07 | 9020609 | 1.25 | 1.2759 | 186.2 | 186.2 | 0.6033 | 0.6033 | 93.11 | |
| PCB-169 | 47:21 | 3494484 | 1.24 | 1.2825 | 82.1 | 82.1 | 0.5122 | 0.5122 | 82.12 | |
| S Total Heptachlorobiphen | | | | | 2314.8 | 2314.8 | 0.0159 | 0.0159 | | |
| D PCB-188L | 37:21 | 3586851 | 1.06 | 1.3162 | 101.8 | 101.8 | 0.0137 | 0.0137 | 102 | |
| $ PCB-178L | 40:24 | 2230423 | 1.07 | 0.9222 | 90.3 | 90.3 | 0.0195 | 0.0195 | 90.34 | |
| * PCB-180L | 45:30 | 2677066 | 1.06 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:45 | 2330681 | 1.07 | 0.8357 | 104.2 | 104.2 | 0.0215 | 0.0215 | 104 | |
| D PCB-189L | 49:52 | 4493847 | 1.04 | 1.4666 | 100.6 | 100.6 | 0.2054 | 0.2054 | 101 | |
| PCB-188 | 37:22 | 3692106 | 1.05 | 1.2502 | 82.3 | 82.3 | 0.007273 | 0.007273 | 82.33 | |
| PCB-179 | 37:42 | 4584721 | 1.05 | 1.4149 | 109.5 | 109.5 | 0.008004 | 0.008004 | 110 | |
| PCB-184 | 38:14 | 4063941 | 1.06 | 1.4191 | 96.8 | 96.8 | 0.007981 | 0.007981 | 96.79 | |
| PCB-176 | 38:35 | 4514833 | 1.05 | 1.5212 | 100.3 | 100.3 | 0.007445 | 0.007445 | 100 | |
| PCB-186 | 39:02 | 3658293 | 1.05 | 1.4350 | 86.2 | 86.2 | 0.007892 | 0.007892 | 86.16 | |
| PCB-178 | 40:25 | 3232524 | 1.06 | 1.0228 | 106.8 | 106.8 | 0.0111 | 0.0111 | 107 | |
| PCB-175 | 41:04 | 3371918 | 1.05 | 1.0690 | 106.6 | 106.6 | 0.0106 | 0.0106 | 107 | |
| PCB-187 | 41:20 | 2999784 | 1.05 | 1.1106 | 91.3 | 91.3 | 0.0102 | 0.0102 | 91.29 | |
| PCB-182 | 41:32 | 3049054 | 1.04 | 1.1484 | 89.7 | 89.7 | 0.009862 | 0.009862 | 89.74 | |
| PCB-183 | 41:56 | 6240791 | 1.05 | 1.1368 | 185.5 | 185.5 | 0.0100 | 0.0100 | 92.77 | M |
| PCB-185 (C183) | 41:56 | 6240791 | 1.05 | 1.1368 | 185.5 | 185.5 | 0.0100 | 0.0100 | 92.77 | M |
| PCB-174 | 42:10 | 2927696 | 1.06 | 0.9547 | 103.6 | 103.6 | 0.0119 | 0.0119 | 104 | |
| PCB-177 | 42:36 | 3067001 | 1.05 | 0.9426 | 110.0 | 110.0 | 0.0120 | 0.0120 | 110 | |
| PCB-181 | 43:01 | 2735605 | 1.05 | 1.1075 | 83.5 | 83.5 | 0.0102 | 0.0102 | 83.48 | |
| PCB-171 | 43:14 | 5757750 | 1.04 | 0.9603 | 202.6 | 202.6 | 0.0118 | 0.0118 | 101 | |
| PCB-173 (C171) | 43:14 | 5757750 | 1.04 | 0.9603 | 202.6 | 202.6 | 0.0118 | 0.0118 | 101 | |
| PCB-172 | 44:52 | 3066677 | 1.05 | 0.9918 | 104.5 | 104.5 | 0.0114 | 0.0114 | 105 | |
| PCB-192 | 45:09 | 3300622 | 1.05 | 1.2904 | 86.5 | 86.5 | 0.008777 | 0.008777 | 86.45 | |
| PCB-180 | 45:28 | 6519124 | 1.05 | 1.2286 | 179.3 | 179.3 | 0.009218 | 0.009218 | 89.67 | |
| PCB-193 (C180) | 45:28 | 6519124 | 1.05 | 1.2286 | 179.3 | 179.3 | 0.009218 | 0.009218 | 89.67 | |
| PCB-191 | 45:53 | 4312263 | 1.06 | 1.3848 | 105.2 | 105.2 | 0.008178 | 0.008178 | 105 | |
| PCB-170 | 46:46 | 3053423 | 1.04 | 1.2700 | 103.2 | 103.2 | 0.0118 | 0.0118 | 103 | |
| PCB-190 | 47:17 | 4183455 | 1.04 | 1.3774 | 102.7 | 102.7 | 0.008222 | 0.008222 | 103 | |
| PCB-189 | 49:54 | 4519105 | 1.06 | 1.2799 | 78.6 | 78.6 | 0.1400 | 0.1400 | 78.57 | |
| S Total Octachlorobipheny | | | | | 1787.1 | 1787.1 | 0.0478 | 0.0478 | | |
| D PCB-202L | 42:43 | 2759779 | 0.90 | 1.0055 | 102.5 | 102.5 | 0.003199 | 0.003199 | 103 | |
| * PCB-194L | 51:59 | 3045583 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:27 | 3974370 | 0.90 | 1.2867 | 101.4 | 101.4 | 0.0972 | 0.0972 | 101 | |
| PCB-202 | 42:45 | 3852232 | 0.91 | 1.0531 | 132.6 | 132.6 | 0.0189 | 0.0189 | 88.37 | |
| PCB-201 | 43:40 | 5130826 | 0.90 | 1.1860 | 156.8 | 156.8 | 0.0168 | 0.0168 | 105 | |
| PCB-204 | 44:21 | 5010001 | 0.90 | 1.1009 | 164.9 | 164.9 | 0.0181 | 0.0181 | 110 | |
| PCB-197 | 44:34 | 4231056 | 0.91 | 1.2053 | 127.2 | 127.2 | 0.0165 | 0.0165 | 84.80 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:40 | 5051700 | 0.91 | 1.1260 | 162.6 | 162.6 | 0.0177 | 0.0177 | 108 | |
| PCB-198 | 47:27 | 6539761 | 0.90 | 0.8183 | 289.6 | 289.6 | 0.0243 | 0.0243 | 96.53 | |
| PCB-199 (C198) | 47:27 | 6539761 | 0.90 | 0.8183 | 289.6 | 289.6 | 0.0243 | 0.0243 | 96.53 | |
| PCB-196 | 48:08 | 3787772 | 0.90 | 0.8748 | 156.9 | 156.9 | 0.0227 | 0.0227 | 105 | |
| PCB-203 | 48:20 | 3356182 | 0.91 | 0.9219 | 131.9 | 131.9 | 0.0216 | 0.0216 | 87.94 | |
| PCB-195 | 49:39 | 5403146 | 0.90 | 0.7839 | 173.4 | 173.4 | 0.1488 | 0.1488 | 116 | |
| PCB-194 | 52:01 | 6178264 | 0.90 | 0.9282 | 167.5 | 167.5 | 0.1257 | 0.1257 | 112 | |
| PCB-205 | 52:29 | 6073774 | 0.90 | 1.2342 | 123.8 | 123.8 | 0.0945 | 0.0945 | 82.55 | |
| S Total Nonachlorobipheny | | | | | 393.7 | 393.7 | 0.1750 | 0.1750 | | |
| D PCB-208L | 49:25 | 3575757 | 0.79 | 1.1383 | 103.1 | 103.1 | 0.8031 | 0.8031 | 103 | |
| D PCB-206L | 54:14 | 2757868 | 0.80 | 0.8938 | 101.3 | 101.3 | 1.023 | 1.023 | 101 | |
| PCB-208 | 49:26 | 5131469 | 0.78 | 1.1567 | 124.1 | 124.1 | 0.1629 | 0.1629 | 82.71 | |
| PCB-207 | 50:22 | 6345481 | 0.79 | 1.3964 | 143.5 | 143.5 | 0.1536 | 0.1536 | 95.66 | |
| PCB-206 | 54:14 | 4150314 | 0.78 | 1.1927 | 126.2 | 126.2 | 0.2086 | 0.2086 | 84.12 | |
| D PCB-209L | 55:52 | 2996384 | 0.71 | 0.9809 | 100.3 | 100.3 | 0.0316 | 0.0316 | 100 | |
| DCB Decachlorobiphenyl | 55:54 | 4644403 | 0.71 | 1.2455 | 124.4 | 124.4 | 0.0120 | 0.0120 | 82.96 | |
| S Polychlorinated bipheny | | | | | 18437 | 18437 | 0.1905 | 0.1905 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61MX209ICVS_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Aug-2019 16:26:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0012717-007
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist:

Method: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 30-Aug-2019 11:35:51 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1006

First Level Reviewer: davidsonm Date: 30-Aug-2019 10:59:50

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:49 | 11:48 | 1 | 0.729 | 3470795 | 1318619 | 863 | 2157 | 1528 | | |
| 202.0766 | 11:48 | 11:48 | 0 | 0.729 | 1098725 | 421112 | 422 | 1055 | 998 | 3.16(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:59 | 13:58 | 1 | 0.863 | 3491593 | 1165444 | 863 | 2157 | 1350 | | |
| 202.0766 | 13:59 | 13:58 | 1 | 0.863 | 1117013 | 367261 | 422 | 1055 | 870 | 3.13(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:49 | 11:49 | 0 | 1.000 | 1819600 | 708208 | 912 | 2280 | 777 | | |
| 190.0363 | 11:49 | 11:49 | 0 | 1.000 | 582907 | 230079 | 247 | 617 | 931 | 3.12(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:49 | 13:49 | 0 | 0.989 | 2234112 | 774738 | 912 | 2280 | 849 | | |
| 190.0363 | 13:49 | 13:49 | 0 | 0.989 | 713168 | 247039 | 247 | 617 | 1000 | 3.13(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:59 | 13:59 | 1 | 1.001 | 1861196 | 600664 | 912 | 2280 | 659 | | |
| 190.0363 | 13:59 | 13:59 | 1 | 1.001 | 580900 | 190085 | 247 | 617 | 770 | 3.20(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:14 | 14:14 | 1 | 0.879 | 1277447 | 424230 | 339 | 847 | 1251 | | |
| 236.0376 | 14:14 | 14:14 | 1 | 0.879 | 803902 | 276204 | 101 | 252 | 2735 | 1.59(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:12 | 16:11 | 1 | | 2101142 | 621890 | 339 | 847 | 1834 | | |
| 236.0376 | 16:12 | 16:11 | 1 | | 1311227 | 394939 | 101 | 252 | 3910 | 1.60(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:02 | 17:01 | 1 | 1.197 | 1968798 | 572496 | 339 | 847 | 1689 | | |
| 236.0376 | 17:02 | 17:01 | 1 | 1.197 | 1219274 | 355644 | 101 | 252 | 3521 | 1.61(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:07 | 20:07 | 0 | 1.242 | 2200039 | 532184 | 339 | 847 | 1570 | | |
| 236.0376 | 20:07 | 20:07 | 0 | 1.242 | 1311621 | 324059 | 101 | 252 | 3209 | 1.68(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:15 | 14:14 | 1 | 1.001 | 710058 | 242591 | 48 | 120 | 5054 | | |
| 223.9974 | 14:15 | 14:14 | 1 | 1.001 | 445943 | 152777 | 56 | 140 | 2728 | 1.59(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:25 | 14:25 | 1 | 1.013 | 1363221 | 455341 | 48 | 120 | 9486 | | |
| 223.9974 | 14:25 | 14:25 | 1 | 1.013 | 854017 | 287745 | 56 | 140 | 5138 | 1.60(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:13 | 16:13 | 1 | 1.140 | 1433179 | 426195 | 48 | 120 | 8879 | | |
| 223.9974 | 16:13 | 16:13 | 1 | 1.140 | 891306 | 264248 | 56 | 140 | 4719 | 1.61(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:23 | 16:23 | 0 | 1.151 | 1164162 | 340215 | 48 | 120 | 7088 | | |
| 223.9974 | 16:23 | 16:23 | 0 | 1.151 | 734808 | 214844 | 56 | 140 | 3837 | 1.58(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:38 | 16:37 | 1 | 1.168 | 1435115 | 413136 | 48 | 120 | 8607 | | |
| 223.9974 | 16:38 | 16:37 | 1 | 1.168 | 902744 | 255342 | 56 | 140 | 4560 | 1.59(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | 16:55 | 1 | 1.189 | 1084483 | 324080 | 48 | 120 | 6752 | | |
| 223.9974 | 16:56 | 16:55 | 1 | 1.189 | 682478 | 201413 | 56 | 140 | 3597 | 1.59(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:04 | 17:03 | 1 | 1.199 | 1508606 | 419890 | 48 | 120 | 8748 | | |
| 223.9974 | 17:04 | 17:03 | 1 | 1.199 | 957118 | 261895 | 56 | 140 | 4677 | 1.58(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:41 | 18:40 | 1 | 0.929 | 1446544 | 392280 | 48 | 120 | 8173 | | |
| 223.9974 | 18:41 | 18:40 | 1 | 0.929 | 913888 | 243268 | 56 | 140 | 4344 | 1.58(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:31 | 19:30 | 1 | 0.971 | 1372040 | 358738 | 48 | 120 | 7474 | | |
| 223.9974 | 19:31 | 19:30 | 1 | 0.971 | 856685 | 223798 | 56 | 140 | 3996 | 1.60(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:48 | 19:50 | -2 | 0.985 | 2423564 | 373238 | 48 | 120 | 7776 | | |
| 223.9974 | 19:48 | 19:50 | -2 | 0.985 | 1527588 | 235573 | 56 | 140 | 4207 | 1.59(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:48 | 19:50 | -2 | 0.985 | 2423564 | 373238 | 48 | 120 | 7776 | | |
| 223.9974 | 19:48 | 19:50 | -2 | 0.985 | 1527588 | 235573 | 56 | 140 | 4207 | 1.59(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:08 | 20:07 | 1 | 1.001 | 1283158 | 298173 | 48 | 120 | 6212 | | |
| 223.9974 | 20:08 | 20:07 | 1 | 1.001 | 800188 | 187852 | 56 | 140 | 3355 | 1.60(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:20 | 17:19 | 1 | 0.842 | 588816 | 170483 | 232 | 580 | 735 | | |
| 269.9986 | 17:20 | 17:19 | 1 | 0.842 | 565092 | 163425 | 432 | 1080 | 378 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:36 | 20:36 | 0 | | 946232 | 245879 | 232 | 580 | 1060 | | |
| 269.9986 | 20:36 | 20:36 | 0 | | 901043 | 229808 | 432 | 1080 | 532 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:51 | 22:51 | -1 | | 3054257 | 720695 | 500 | 1250 | 1441 | | |
| 269.9986 | 22:52 | 22:51 | 0 | | 2922376 | 703444 | 482 | 1205 | 1459 | 1.05(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:09 | 23:09 | 0 | 1.013 | 2785790 | 660535 | 500 | 1250 | 1321 | | |
| 269.9986 | 23:09 | 23:09 | 0 | 1.013 | 2615953 | 617721 | 482 | 1205 | 1282 | 1.06(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:09 | 27:09 | 0 | 1.188 | 2758043 | 601336 | 500 | 1250 | 1203 | | |
| 269.9986 | 27:09 | 27:09 | 0 | 1.188 | 2509912 | 550602 | 482 | 1205 | 1142 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:22 | 17:21 | 1 | 1.002 | 353157 | 100579 | 17 | 42 | 5916 | | |
| 257.9584 | 17:22 | 17:21 | 1 | 1.002 | 327220 | 94107 | 21 | 52 | 4481 | 1.08(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 1 | 1.108 | 1059350 | 241423 | 17 | 42 | 14201 | | |
| 257.9584 | 19:12 | 19:12 | 1 | 1.108 | 975950 | 222384 | 21 | 52 | 10590 | 1.09(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 1 | 1.108 | 1059350 | 241423 | 17 | 42 | 14201 | | |
| 257.9584 | 19:12 | 19:12 | 1 | 1.108 | 975950 | 222384 | 21 | 52 | 10590 | 1.09(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:38 | 19:38 | 0 | 1.133 | 416276 | 109628 | 17 | 42 | 6449 | | |
| 257.9584 | 19:38 | 19:38 | 0 | 1.133 | 388154 | 100974 | 21 | 52 | 4808 | 1.07(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:51 | 19:51 | 0 | 1.145 | 670438 | 173701 | 17 | 42 | 10218 | | |
| 257.9584 | 19:51 | 19:51 | 0 | 1.145 | 627647 | 164931 | 21 | 52 | 7854 | 1.07(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | 19:59 | 0 | 1.152 | 540980 | 139712 | 17 | 42 | 8218 | | |
| 257.9584 | 19:59 | 19:59 | 0 | 1.152 | 498407 | 126818 | 21 | 52 | 6039 | 1.09(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:06 | 20:06 | 0 | 1.159 | 325287 | 85865 | 17 | 42 | 5051 | | |
| 257.9584 | 20:06 | 20:06 | 0 | 1.159 | 300003 | 78477 | 21 | 52 | 3737 | 1.08(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:36 | 20:37 | -1 | 1.189 | 731108 | 183179 | 17 | 42 | 10775 | | |
| 257.9584 | 20:36 | 20:37 | -1 | 1.189 | 678392 | 170514 | 21 | 52 | 8120 | 1.08(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:53 | 21:53 | 0 | 1.262 | 1775813 | 450044 | 1469 | 3672 | 306 | | |
| 257.9584 | 21:53 | 21:53 | 0 | 1.262 | 1682037 | 415876 | 1403 | 3507 | 296 | 1.06(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | 22:02 | 0 | 1.271 | 1419197 | 355836 | 1469 | 3672 | 242 | | |
| 257.9584 | 22:02 | 22:02 | 0 | 1.271 | 1369803 | 336772 | 1403 | 3507 | 240 | 1.04(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:20 | 22:21 | -1 | 1.289 | 3475288 | 649483 | 1469 | 3672 | 442 | | |
| 257.9584 | 22:20 | 22:21 | -1 | 1.289 | 3305461 | 613838 | 1403 | 3507 | 438 | 1.05(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:20 | 22:21 | -1 | 1.289 | 3475288 | 649483 | 1469 | 3672 | 442 | | |
| 257.9584 | 22:20 | 22:21 | -1 | 1.289 | 3305461 | 613838 | 1403 | 3507 | 438 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:34 | 22:34 | 0 | 0.831 | 1700440 | 378220 | 1469 | 3672 | 257 | | |
| 257.9584 | 22:34 | 22:34 | 0 | 0.831 | 1656812 | 353340 | 1403 | 3507 | 252 | 1.03(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:52 | 22:53 | -1 | 0.842 | 1952634 | 478016 | 1469 | 3672 | 325 | | |
| 257.9584 | 22:52 | 22:53 | -1 | 0.842 | 1856524 | 448423 | 1403 | 3507 | 320 | 1.05(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | 0 | 0.854 | 3240315 | 651609 | 1469 | 3672 | 444 | | |
| 257.9584 | 23:11 | 23:11 | -1 | 0.854 | 3095511 | 620025 | 1403 | 3507 | 442 | 1.05(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:11 | 0 | 0.854 | 3240315 | 651609 | 1469 | 3672 | 444 | | |
| 257.9584 | 23:11 | 23:11 | -1 | 0.854 | 3095511 | 620025 | 1403 | 3507 | 442 | 1.05(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 3400564 | 463441 | 1469 | 3672 | 315 | | |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 3237057 | 438247 | 1403 | 3507 | 312 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:25 | -1 | 0.862 | 3400564 | 463441 | 1469 | 3672 | 315 | | |
| 257.9584 | 23:24 | 23:25 | -1 | 0.862 | 3237057 | 438247 | 1403 | 3507 | 312 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:48 | 23:49 | -1 | 0.877 | 1474035 | 356592 | 1469 | 3672 | 243 | | |
| 257.9584 | 23:48 | 23:49 | -1 | 0.877 | 1410287 | 335496 | 1403 | 3507 | 239 | 1.05(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | M |
| 255.9613 | 25:22 | 25:22 | -1 | 0.934 | 1913493 | 436479 | 1469 | 3672 | 297 | | M |
| 257.9584 | 25:22 | 25:22 | -1 | 0.934 | 1811637 | 412197 | 1403 | 3507 | 294 | 1.06(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:43 | 25:44 | -1 | 0.947 | 1614878 | 351663 | 1469 | 3672 | 239 | | |
| 257.9584 | 25:43 | 25:44 | -1 | 0.947 | 1541915 | 332958 | 1403 | 3507 | 237 | 1.05(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:18 | 26:19 | -1 | 0.969 | 1881258 | 414538 | 1469 | 3672 | 282 | | |
| 257.9584 | 26:18 | 26:19 | -1 | 0.969 | 1787130 | 386205 | 1403 | 3507 | 275 | 1.05(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:46 | 26:46 | 0 | 0.986 | 1773795 | 397956 | 1469 | 3672 | 271 | | |
| 257.9584 | 26:46 | 26:46 | 0 | 0.986 | 1679161 | 372247 | 1403 | 3507 | 265 | 1.06(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:10 | 27:11 | 0 | 1.001 | 1426087 | 296643 | 1469 | 3672 | 202 | | |
| 257.9584 | 27:10 | 27:11 | -1 | 1.000 | 1392890 | 278154 | 1403 | 3507 | 198 | 1.02(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:25 | 20:25 | 1 | 0.817 | 559500 | 142417 | 41 | 102 | 3474 | | |
| 303.9597 | 20:25 | 20:25 | 1 | 0.817 | 701754 | 174466 | 20 | 50 | 8723 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:59 | 25:00 | -1 | | 1518722 | 344550 | 943 | 2357 | 365 | | |
| 303.9597 | 24:59 | 25:00 | -1 | | 1892200 | 433576 | 1286 | 3215 | 337 | 0.80(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:54 | 32:56 | -2 | 0.970 | 1934526 | 402670 | 943 | 2357 | 427 | | |
| 303.9597 | 32:54 | 32:56 | -2 | 0.970 | 2456221 | 510295 | 1286 | 3215 | 397 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:54 | 33:56 | -1 | 1.357 | 1848772 | 379545 | 943 | 2357 | 402 | | |
| 303.9597 | 33:54 | 33:56 | -1 | 1.357 | 2279422 | 464979 | 1286 | 3215 | 362 | 0.81(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:27 | 34:29 | -2 | 1.379 | 1853215 | 367853 | 943 | 2357 | 390 | | |
| 303.9597 | 34:28 | 34:29 | -1 | 1.380 | 2323082 | 459713 | 1286 | 3215 | 357 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:26 | 20:26 | 0 | 1.000 | 613308 | 159379 | 13 | 32 | 12260 | | |
| 291.9194 | 20:26 | 20:26 | 0 | 1.000 | 765175 | 198683 | 20 | 50 | 9934 | 0.80(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.107 | 3287533 | 606857 | 865 | 2162 | 702 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.107 | 4158226 | 763042 | 938 | 2345 | 813 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:37 | 22:37 | 0 | 1.107 | 3287533 | 606857 | 865 | 2162 | 702 | | |
| 291.9194 | 22:37 | 22:37 | 0 | 1.107 | 4158226 | 763042 | 938 | 2345 | 813 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:16 | 23:21 | -5 | 1.139 | 3156358 | 397940 | 865 | 2162 | 460 | | M |
| 291.9194 | 23:16 | 23:21 | -5 | 1.139 | 3997362 | 494592 | 938 | 2345 | 527 | 0.79(0.65-0.89) | M |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:16 | 23:21 | -5 | 1.139 | 3156358 | 397940 | 865 | 2162 | 460 | | M |
| 291.9194 | 23:16 | 23:21 | -5 | 1.139 | 3997362 | 494592 | 938 | 2345 | 527 | 0.79(0.65-0.89) | M |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:35 | 23:35 | 0 | 1.155 | 1338493 | 321294 | 865 | 2162 | 371 | | |
| 291.9194 | 23:35 | 23:35 | 0 | 1.155 | 1696406 | 410587 | 938 | 2345 | 438 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 25:00 | 25:00 | 0 | 1.225 | 1840004 | 432205 | 865 | 2162 | 500 | | |
| 291.9194 | 25:00 | 25:00 | 0 | 1.225 | 2352364 | 550680 | 938 | 2345 | 587 | 0.78(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:09 | 25:09 | -1 | 1.231 | 3168047 | 452032 | 865 | 2162 | 523 | | M |
| 291.9194 | 25:09 | 25:09 | -1 | 1.231 | 4031396 | 582453 | 938 | 2345 | 621 | 0.79(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:09 | 25:09 | -1 | 1.231 | 3168047 | 452032 | 865 | 2162 | 523 | | M |
| 291.9194 | 25:09 | 25:09 | -1 | 1.231 | 4031396 | 582453 | 938 | 2345 | 621 | 0.79(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | M |
| 289.9224 | 25:28 | 25:29 | -1 | 1.247 | 3782425 | 597824 | 865 | 2162 | 691 | | M |
| 291.9194 | 25:28 | 25:29 | -1 | 1.247 | 4784673 | 762494 | 938 | 2345 | 813 | 0.79(0.65-0.89) | M |
| PCB-69 (C49) | | | | | | | | | | | M |
| 289.9224 | 25:28 | 25:29 | -1 | 1.247 | 3782425 | 597824 | 865 | 2162 | 691 | | M |
| 291.9194 | 25:28 | 25:29 | -1 | 1.247 | 4784673 | 762494 | 938 | 2345 | 813 | 0.79(0.65-0.89) | M |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:47 | 25:48 | -1 | 1.263 | 1482903 | 341884 | 865 | 2162 | 395 | | |
| 291.9194 | 25:47 | 25:48 | -1 | 1.263 | 1884472 | 430509 | 938 | 2345 | 459 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | -1 | 1.274 | 4950528 | 861613 | 865 | 2162 | 996 | | |
| 291.9194 | 26:02 | 26:02 | -1 | 1.274 | 6267396 | 1086782 | 938 | 2345 | 1159 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | -1 | 1.274 | 4950528 | 861613 | 865 | 2162 | 996 | | |
| 291.9194 | 26:02 | 26:02 | -1 | 1.274 | 6267396 | 1086782 | 938 | 2345 | 1159 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:02 | 26:02 | -1 | 1.274 | 4950528 | 861613 | 865 | 2162 | 996 | | |
| 291.9194 | 26:02 | 26:02 | -1 | 1.274 | 6267396 | 1086782 | 938 | 2345 | 1159 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:20 | -1 | 1.289 | 6621127 | 964002 | 865 | 2162 | 1114 | | |
| 291.9194 | 26:19 | 26:20 | -1 | 1.289 | 8370066 | 1212292 | 938 | 2345 | 1292 | 0.79(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:20 | -1 | 1.289 | 6621127 | 964002 | 865 | 2162 | 1114 | | |
| 291.9194 | 26:19 | 26:20 | -1 | 1.289 | 8370066 | 1212292 | 938 | 2345 | 1292 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | 26:20 | -1 | 1.289 | 6621127 | 964002 | 865 | 2162 | 1114 | | |
| 291.9194 | 26:19 | 26:20 | -1 | 1.289 | 8370066 | 1212292 | 938 | 2345 | 1292 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:31 | 26:33 | -1 | 1.299 | 1357410 | 305439 | 865 | 2162 | 353 | | |
| 291.9194 | 26:31 | 26:33 | -1 | 1.299 | 1724373 | 387851 | 938 | 2345 | 413 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 27:01 | 27:02 | 0 | 1.323 | 4812196 | 712009 | 865 | 2162 | 823 | | M |
| 291.9194 | 27:01 | 27:02 | 0 | 1.323 | 6137393 | 895161 | 938 | 2345 | 954 | 0.78(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:01 | 27:02 | 0 | 1.323 | 4812196 | 712009 | 865 | 2162 | 823 | | M |
| 291.9194 | 27:01 | 27:02 | 0 | 1.323 | 6137393 | 895161 | 938 | 2345 | 954 | 0.78(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:01 | 27:02 | 0 | 1.323 | 4812196 | 712009 | 865 | 2162 | 823 | | M |
| 291.9194 | 27:01 | 27:02 | 0 | 1.323 | 6137393 | 895161 | 938 | 2345 | 954 | 0.78(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:14 | 27:15 | -1 | 1.334 | 2020147 | 456134 | 865 | 2162 | 527 | | |
| 291.9194 | 27:14 | 27:15 | -1 | 1.334 | 2546975 | 573402 | 938 | 2345 | 611 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:04 | 28:06 | -1 | 0.828 | 2644912 | 593283 | 865 | 2162 | 686 | | |
| 291.9194 | 28:04 | 28:06 | -1 | 0.828 | 3350934 | 755935 | 938 | 2345 | 806 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:22 | 28:23 | -1 | 0.837 | 2308769 | 485382 | 865 | 2162 | 561 | | |
| 291.9194 | 28:22 | 28:23 | -1 | 0.837 | 2935220 | 612512 | 938 | 2345 | 653 | 0.79(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:47 | 28:48 | 0 | 0.849 | 2517718 | 548162 | 865 | 2162 | 634 | | |
| 291.9194 | 28:47 | 28:48 | -1 | 0.849 | 3217101 | 696739 | 938 | 2345 | 743 | 0.78(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:01 | 29:02 | -1 | 0.856 | 2130595 | 448621 | 865 | 2162 | 519 | | |
| 291.9194 | 29:01 | 29:02 | -1 | 0.856 | 2711682 | 575603 | 938 | 2345 | 614 | 0.79(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:12 | 29:12 | 0 | 0.861 | 2482849 | 513436 | 865 | 2162 | 594 | | |
| 291.9194 | 29:12 | 29:12 | 0 | 0.861 | 3144239 | 649819 | 938 | 2345 | 693 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:27 | 29:28 | -1 | 0.869 | 2667147 | 568307 | 865 | 2162 | 657 | | |
| 291.9194 | 29:27 | 29:28 | -1 | 0.869 | 3370046 | 721571 | 938 | 2345 | 769 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.879 | 8502230 | 941731 | 865 | 2162 | 1089 | | |
| 291.9194 | 29:47 | 29:49 | -2 | 0.878 | 10786026 | 1186319 | 938 | 2345 | 1265 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.879 | 8502230 | 941731 | 865 | 2162 | 1089 | | |
| 291.9194 | 29:47 | 29:49 | -2 | 0.878 | 10786026 | 1186319 | 938 | 2345 | 1265 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.879 | 8502230 | 941731 | 865 | 2162 | 1089 | | |
| 291.9194 | 29:47 | 29:49 | -2 | 0.878 | 10786026 | 1186319 | 938 | 2345 | 1265 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:48 | 29:49 | -1 | 0.879 | 8502230 | 941731 | 865 | 2162 | 1089 | | |
| 291.9194 | 29:47 | 29:49 | -2 | 0.878 | 10786026 | 1186319 | 938 | 2345 | 1265 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:07 | 30:08 | -1 | 0.888 | 2683585 | 561921 | 865 | 2162 | 650 | | |
| 291.9194 | 30:07 | 30:08 | -1 | 0.888 | 3335334 | 719094 | 938 | 2345 | 767 | 0.80(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:16 | 30:18 | -2 | 0.893 | 2045984 | 433886 | 865 | 2162 | 502 | | |
| 291.9194 | 30:16 | 30:18 | -2 | 0.893 | 2636115 | 559201 | 938 | 2345 | 596 | 0.78(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:46 | 30:48 | -2 | 0.908 | 1985675 | 428299 | 865 | 2162 | 495 | | |
| 291.9194 | 30:46 | 30:48 | -2 | 0.908 | 2516418 | 542705 | 938 | 2345 | 579 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:59 | 31:00 | -1 | 0.914 | 2102201 | 440960 | 865 | 2162 | 510 | | |
| 291.9194 | 30:59 | 31:00 | -1 | 0.914 | 2673601 | 567344 | 938 | 2345 | 605 | 0.79(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:25 | 31:26 | -1 | 0.926 | 2489373 | 538762 | 865 | 2162 | 623 | | |
| 291.9194 | 31:25 | 31:26 | -1 | 0.926 | 3148654 | 681484 | 938 | 2345 | 727 | 0.79(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:56 | 32:57 | -2 | 0.971 | 2983215 | 603503 | 865 | 2162 | 698 | | |
| 291.9194 | 32:56 | 32:57 | -2 | 0.971 | 3790951 | 765341 | 938 | 2345 | 816 | 0.79(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:29 | 33:31 | -2 | 0.988 | 2528686 | 525281 | 865 | 2162 | 607 | | |
| 291.9194 | 33:29 | 33:31 | -2 | 0.988 | 3211100 | 661049 | 938 | 2345 | 705 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:55 | 33:57 | -1 | 1.000 | 2481166 | 507590 | 865 | 2162 | 587 | | |
| 291.9194 | 33:55 | 33:57 | -1 | 1.000 | 3131765 | 649250 | 938 | 2345 | 692 | 0.79(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:29 | 34:30 | -1 | 1.001 | 1826720 | 366037 | 865 | 2162 | 423 | | |
| 291.9194 | 34:29 | 34:30 | -1 | 1.001 | 2346789 | 467588 | 938 | 2345 | 498 | 0.78(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:56 | 25:57 | -1 | 0.814 | 1971913 | 448445 | 12 | 30 | 37370 | | |
| 339.9178 | 25:56 | 25:57 | -1 | 0.814 | 1238042 | 285346 | 10 | 25 | 28535 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:53 | 28:54 | -1 | 1.114 | 1340118 | 294144 | 12 | 30 | 24512 | | |
| 339.9178 | 28:53 | 28:54 | -1 | 1.114 | 842914 | 189513 | 10 | 25 | 18951 | 1.59(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:51 | 31:51 | -1 | | 1771653 | 375814 | 12 | 30 | 31318 | | |
| 339.9178 | 31:51 | 31:51 | -1 | | 1111317 | 235163 | 10 | 25 | 23516 | 1.59(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:31 | 34:33 | -2 | 1.084 | 1850548 | 388498 | 12 | 30 | 32375 | | |
| 339.9178 | 34:32 | 34:33 | -1 | 1.084 | 1160635 | 242121 | 10 | 25 | 24212 | 1.59(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:29 | 36:30 | -1 | 1.146 | 2628440 | 539718 | 1476 | 3690 | 366 | | |
| 339.9178 | 36:29 | 36:30 | -1 | 1.146 | 1627309 | 335719 | 1283 | 3207 | 262 | 1.62(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:49 | 36:50 | -1 | 1.156 | 2742120 | 569234 | 1476 | 3690 | 386 | | |
| 339.9178 | 36:49 | 36:50 | -1 | 1.156 | 1720958 | 358502 | 1283 | 3207 | 279 | 1.59(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:20 | 37:22 | -2 | 1.172 | 2666309 | 548287 | 1476 | 3690 | 371 | | |
| 339.9178 | 37:20 | 37:22 | -2 | 1.172 | 1644266 | 334658 | 1283 | 3207 | 261 | 1.62(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:58 | 38:00 | -2 | 1.193 | 2629217 | 525150 | 1476 | 3690 | 356 | | |
| 339.9178 | 37:58 | 38:00 | -2 | 1.193 | 1647854 | 335233 | 1283 | 3207 | 261 | 1.60(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:28 | 39:30 | -2 | | 2638302 | 528451 | 1476 | 3690 | 358 | | |
| 339.9178 | 39:28 | 39:30 | -2 | | 1649215 | 331775 | 1283 | 3207 | 259 | 1.60(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:04 | 41:05 | -2 | 1.290 | 2338405 | 453571 | 1476 | 3690 | 307 | | |
| 339.9178 | 41:04 | 41:05 | -2 | 1.290 | 1500140 | 293120 | 1283 | 3207 | 228 | 1.56(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:58 | 25:58 | -1 | 1.001 | 2152255 | 486970 | 36 | 90 | 13527 | | |
| 327.8775 | 25:58 | 25:58 | -1 | 1.001 | 1362319 | 307370 | 21 | 52 | 14637 | 1.58(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:19 | 26:20 | -1 | 1.015 | 2649439 | 600609 | 36 | 90 | 16684 | | |
| 327.8775 | 26:19 | 26:20 | -1 | 1.015 | 1655246 | 375957 | 21 | 52 | 17903 | 1.60(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:16 | 28:16 | 0 | 1.090 | 2157664 | 475326 | 36 | 90 | 13204 | | |
| 327.8775 | 28:16 | 28:16 | 0 | 1.090 | 1351693 | 296798 | 21 | 52 | 14133 | 1.60(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:29 | 28:30 | -1 | 1.098 | 1501073 | 329327 | 36 | 90 | 9148 | | |
| 327.8775 | 28:29 | 28:30 | -1 | 1.098 | 943094 | 206775 | 21 | 52 | 9846 | 1.59(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:55 | 28:56 | -1 | 1.115 | 2023010 | 445485 | 36 | 90 | 12375 | | |
| 327.8775 | 28:55 | 28:56 | -1 | 1.115 | 1276084 | 280925 | 21 | 52 | 13377 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | -1 | 1.124 | 3307978 | 711529 | 36 | 90 | 19765 | | |
| 327.8775 | 29:09 | 29:10 | -1 | 1.124 | 2109299 | 453954 | 21 | 52 | 21617 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:09 | 29:10 | -1 | 1.124 | 3307978 | 711529 | 36 | 90 | 19765 | | |
| 327.8775 | 29:09 | 29:10 | -1 | 1.124 | 2109299 | 453954 | 21 | 52 | 21617 | 1.57(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:17 | 29:18 | -1 | 1.129 | 3110574 | 383953 | 36 | 90 | 10665 | | M |
| 327.8775 | 29:17 | 29:18 | -1 | 1.129 | 1972041 | 242401 | 21 | 52 | 11543 | 1.58(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:17 | 29:18 | -1 | 1.129 | 3110574 | 383953 | 36 | 90 | 10665 | | M |
| 327.8775 | 29:17 | 29:18 | -1 | 1.129 | 1972041 | 242401 | 21 | 52 | 11543 | 1.58(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | Ma |
| 325.8804 | 29:41 | 29:48 | -6 | 1.145 | 3561249 | 415595 | 36 | 90 | 11544 | | M |
| 327.8775 | 29:41 | 29:48 | -6 | 1.145 | 2251464 | 263499 | 21 | 52 | 12548 | 1.58(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | Ma |
| 325.8804 | 29:41 | 29:48 | -6 | 1.145 | 3561249 | 415595 | 36 | 90 | 11544 | | M |
| 327.8775 | 29:41 | 29:48 | -6 | 1.145 | 2251464 | 263499 | 21 | 52 | 12548 | 1.58(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 30:00 | 30:01 | -1 | 1.157 | 1524621 | 325254 | 36 | 90 | 9035 | | |
| 327.8775 | 30:00 | 30:01 | -1 | 1.157 | 975994 | 208087 | 21 | 52 | 9909 | 1.56(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:29 | 30:30 | -1 | 1.175 | 1843109 | 392862 | 36 | 90 | 10913 | | |
| 327.8775 | 30:29 | 30:30 | -1 | 1.175 | 1169329 | 251320 | 21 | 52 | 11968 | 1.58(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:55 | 30:56 | -1 | 1.192 | 2301431 | 494151 | 36 | 90 | 13726 | | |
| 327.8775 | 30:55 | 30:56 | -1 | 1.192 | 1456557 | 310710 | 21 | 52 | 14796 | 1.58(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:17 | 31:18 | -1 | 0.857 | 1983028 | 415449 | 36 | 90 | 11540 | | |
| 327.8775 | 31:17 | 31:18 | -1 | 0.857 | 1254571 | 261924 | 21 | 52 | 12473 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -2 | 1.228 | 6256426 | 858108 | 36 | 90 | 23836 | | |
| 327.8775 | 31:51 | 31:52 | -2 | 1.228 | 3976671 | 554340 | 21 | 52 | 26397 | 1.57(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -2 | 1.228 | 6256426 | 858108 | 36 | 90 | 23836 | | |
| 327.8775 | 31:51 | 31:52 | -2 | 1.228 | 3976671 | 554340 | 21 | 52 | 26397 | 1.57(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:51 | 31:52 | -2 | 1.228 | 6256426 | 858108 | 36 | 90 | 23836 | | |
| 327.8775 | 31:51 | 31:52 | -2 | 1.228 | 3976671 | 554340 | 21 | 52 | 26397 | 1.57(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:26 | 32:28 | -2 | 1.251 | 3579503 | 400813 | 36 | 90 | 11134 | | |
| 327.8775 | 32:26 | 32:28 | -2 | 1.251 | 2310132 | 254871 | 21 | 52 | 12137 | 1.55(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:26 | 32:28 | -2 | 1.251 | 3579503 | 400813 | 36 | 90 | 11134 | | |
| 327.8775 | 32:26 | 32:28 | -2 | 1.251 | 2310132 | 254871 | 21 | 52 | 12137 | 1.55(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:33 | 32:35 | -2 | 1.255 | 2509038 | 512735 | 36 | 90 | 14243 | | |
| 327.8775 | 32:33 | 32:35 | -2 | 1.255 | 1583523 | 323137 | 21 | 52 | 15387 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:56 | 32:57 | -2 | 1.270 | 12366505 | 1419114 | 36 | 90 | 39420 | | M |
| 327.8775 | 32:56 | 32:57 | -2 | 1.270 | 7840267 | 915547 | 21 | 52 | 43597 | 1.58(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:56 | 32:57 | -2 | 1.270 | 12366505 | 1419114 | 36 | 90 | 39420 | | M |
| 327.8775 | 32:56 | 32:57 | -2 | 1.270 | 7840267 | 915547 | 21 | 52 | 43597 | 1.58(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:56 | 32:57 | -2 | 1.270 | 12366505 | 1419114 | 36 | 90 | 39420 | | M |
| 327.8775 | 32:56 | 32:57 | -2 | 1.270 | 7840267 | 915547 | 21 | 52 | 43597 | 1.58(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:56 | 32:57 | -2 | 1.270 | 12366505 | 1419114 | 36 | 90 | 39420 | | M |
| 327.8775 | 32:56 | 32:57 | -2 | 1.270 | 7840267 | 915547 | 21 | 52 | 43597 | 1.58(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:56 | 32:57 | -2 | 1.270 | 12366505 | 1419114 | 36 | 90 | 39420 | | M |
| 327.8775 | 32:56 | 32:57 | -2 | 1.270 | 7840267 | 915547 | 21 | 52 | 43597 | 1.58(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:56 | 32:57 | -2 | 1.270 | 12366505 | 1419114 | 36 | 90 | 39420 | | M |
| 327.8775 | 32:56 | 32:57 | -2 | 1.270 | 7840267 | 915547 | 21 | 52 | 43597 | 1.58(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -2 | 1.298 | 6630598 | 911293 | 36 | 90 | 25314 | | |
| 327.8775 | 33:40 | 33:41 | -2 | 1.298 | 4200269 | 573350 | 21 | 52 | 27302 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -2 | 1.298 | 6630598 | 911293 | 36 | 90 | 25314 | | |
| 327.8775 | 33:40 | 33:41 | -2 | 1.298 | 4200269 | 573350 | 21 | 52 | 27302 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:40 | 33:41 | -2 | 1.298 | 6630598 | 911293 | 36 | 90 | 25314 | | |
| 327.8775 | 33:40 | 33:41 | -2 | 1.298 | 4200269 | 573350 | 21 | 52 | 27302 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | M |
| 325.8804 | 33:54 | 33:56 | -1 | 1.307 | 4399358 | 486319 | 36 | 90 | 13509 | | |
| 327.8775 | 33:50 | 33:56 | -6 | 1.304 | 2779752 | 306194 | 21 | 52 | 14581 | 1.58(1.32-1.78) | M |
| PCB-115 (C110) | | | | | | | | | | | M |
| 325.8804 | 33:54 | 33:56 | -1 | 1.307 | 4399358 | 486319 | 36 | 90 | 13509 | | |
| 327.8775 | 33:50 | 33:56 | -6 | 1.304 | 2779752 | 306194 | 21 | 52 | 14581 | 1.58(1.32-1.78) | M |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:09 | 34:10 | -1 | 1.317 | 1823837 | 358102 | 36 | 90 | 9947 | | |
| 327.8775 | 34:09 | 34:10 | -1 | 1.317 | 1155039 | 227906 | 21 | 52 | 10853 | 1.58(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:33 | 34:35 | -2 | 1.332 | 2388793 | 487196 | 36 | 90 | 13533 | | |
| 327.8775 | 34:33 | 34:35 | -2 | 1.332 | 1506963 | 304707 | 21 | 52 | 14510 | 1.59(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:01 | 35:02 | -1 | 1.350 | 3031157 | 611171 | 36 | 90 | 16977 | | |
| 327.8775 | 35:01 | 35:02 | -1 | 1.350 | 1914820 | 388177 | 21 | 52 | 18485 | 1.58(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:09 | 36:10 | -1 | 1.394 | 6174054 | 1248209 | 1777 | 4442 | 702 | | |
| 327.8775 | 36:09 | 36:10 | -1 | 1.394 | 3977021 | 807628 | 1165 | 2912 | 693 | 1.55(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:09 | 36:10 | -1 | 1.394 | 6174054 | 1248209 | 1777 | 4442 | 702 | | |
| 327.8775 | 36:09 | 36:10 | -1 | 1.394 | 3977021 | 807628 | 1165 | 2912 | 693 | 1.55(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:23 | 36:25 | -1 | 1.403 | 3304724 | 636645 | 1777 | 4442 | 358 | | |
| 327.8775 | 36:23 | 36:25 | -1 | 1.403 | 2100605 | 399689 | 1165 | 2912 | 343 | 1.57(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:31 | 36:32 | -1 | 1.001 | 2790442 | 551331 | 1777 | 4442 | 310 | | |
| 327.8775 | 36:31 | 36:32 | -1 | 1.001 | 1784054 | 353002 | 1165 | 2912 | 303 | 1.56(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:37 | 36:39 | -2 | 1.004 | 3480668 | 711371 | 1777 | 4442 | 400 | | |
| 327.8775 | 36:37 | 36:39 | -2 | 1.004 | 2207549 | 452549 | 1165 | 2912 | 388 | 1.58(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:50 | 36:51 | -1 | 1.001 | 2971855 | 570522 | 1777 | 4442 | 321 | | |
| 327.8775 | 36:49 | 36:51 | -2 | 1.000 | 1886352 | 353055 | 1165 | 2912 | 303 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:11 | 37:12 | -1 | 1.010 | 3225680 | 655252 | 1777 | 4442 | 369 | | |
| 327.8775 | 37:11 | 37:12 | -1 | 1.010 | 2039760 | 415308 | 1165 | 2912 | 356 | 1.58(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:22 | 37:23 | -1 | 1.001 | 3050282 | 583156 | 1777 | 4442 | 328 | | |
| 327.8775 | 37:22 | 37:23 | -1 | 1.001 | 1952881 | 372285 | 1165 | 2912 | 320 | 1.56(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 38:00 | 38:02 | -2 | 1.001 | 3547494 | 687630 | 1777 | 4442 | 387 | | |
| 327.8775 | 38:00 | 38:02 | -2 | 1.001 | 2263298 | 438907 | 1165 | 2912 | 377 | 1.57(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:29 | 39:31 | -2 | 1.040 | 3575908 | 687791 | 1777 | 4442 | 387 | | |
| 327.8775 | 39:29 | 39:31 | -2 | 1.040 | 2276334 | 437904 | 1165 | 2912 | 376 | 1.57(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:05 | 41:07 | -2 | 1.001 | 2610164 | 466115 | 1777 | 4442 | 262 | | |
| 327.8775 | 41:05 | 41:07 | -2 | 1.001 | 1648620 | 293810 | 1165 | 2912 | 252 | 1.58(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:38 | 31:38 | -1 | 0.792 | 1546881 | 330419 | 6 | 15 | 55070 | | |
| 373.8788 | 31:38 | 31:38 | -1 | 0.792 | 1193397 | 258051 | 7 | 17 | 36864 | 1.30(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:42 | 38:44 | -2 | 0.901 | 1788999 | 358045 | 741 | 1852 | 483 | | |
| 373.8788 | 38:42 | 38:44 | -2 | 0.901 | 1415479 | 288557 | 827 | 2067 | 349 | 1.26(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:56 | 39:58 | -2 | | 1712001 | 338986 | 741 | 1852 | 457 | | |
| 373.8788 | 39:56 | 39:58 | -2 | | 1328422 | 261418 | 827 | 2067 | 316 | 1.29(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:57 | 42:58 | -2 | 1.075 | 2198119 | 437069 | 741 | 1852 | 590 | | |
| 373.8788 | 42:57 | 42:58 | -2 | 1.075 | 1736222 | 354304 | 827 | 2067 | 428 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:06 | 44:07 | -1 | 1.104 | 4257385 | 609118 | 741 | 1852 | 822 | | |
| 373.8788 | 44:06 | 44:07 | -1 | 1.104 | 3335699 | 479532 | 827 | 2067 | 580 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:06 | 44:07 | -1 | 1.104 | 4257385 | 609118 | 741 | 1852 | 822 | | |
| 373.8788 | 44:06 | 44:07 | -1 | 1.104 | 3335699 | 479532 | 827 | 2067 | 580 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:20 | 47:22 | -2 | 1.185 | 1839209 | 356568 | 741 | 1852 | 481 | | |
| 373.8788 | 47:20 | 47:22 | -2 | 1.185 | 1478725 | 281246 | 827 | 2067 | 340 | 1.24(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:39 | 31:40 | -1 | 1.001 | 1627889 | 346807 | 17 | 42 | 20400 | | |
| 361.8385 | 31:39 | 31:40 | -1 | 1.001 | 1258646 | 269896 | 30 | 75 | 8997 | 1.29(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:50 | 31:51 | -1 | 1.006 | 1985218 | 421837 | 17 | 42 | 24814 | | |
| 361.8385 | 31:50 | 31:51 | -1 | 1.006 | 1535265 | 321420 | 30 | 75 | 10714 | 1.29(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:00 | 32:01 | -2 | 1.012 | 1605078 | 339763 | 17 | 42 | 19986 | | |
| 361.8385 | 32:00 | 32:01 | -2 | 1.012 | 1271720 | 265323 | 30 | 75 | 8844 | 1.26(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:21 | 32:22 | -1 | 1.023 | 1947839 | 411765 | 17 | 42 | 24221 | | |
| 361.8385 | 32:21 | 32:22 | -1 | 1.023 | 1523050 | 322368 | 30 | 75 | 10746 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:39 | 32:41 | -2 | 1.033 | 1573316 | 326105 | 17 | 42 | 19183 | | |
| 361.8385 | 32:39 | 32:41 | -2 | 1.033 | 1245425 | 255955 | 30 | 75 | 8532 | 1.26(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:10 | 34:13 | -2 | 1.081 | 1408838 | 292912 | 17 | 42 | 17230 | | |
| 361.8385 | 34:10 | 34:13 | -2 | 1.081 | 1123138 | 234145 | 30 | 75 | 7805 | 1.25(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | |
| 359.8415 | 34:45 | 34:47 | -2 | 1.099 | 2546115 | 315524 | 17 | 42 | 18560 | | |
| 361.8385 | 34:45 | 34:47 | -2 | 1.099 | 2008114 | 249291 | 30 | 75 | 8310 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | |
| 359.8415 | 34:45 | 34:47 | -2 | 1.099 | 2546115 | 315524 | 17 | 42 | 18560 | | |
| 361.8385 | 34:45 | 34:47 | -2 | 1.099 | 2008114 | 249291 | 30 | 75 | 8310 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:02 | 35:03 | -1 | 1.108 | 1475824 | 303285 | 17 | 42 | 17840 | | |
| 361.8385 | 35:02 | 35:03 | -1 | 1.108 | 1160847 | 242298 | 30 | 75 | 8077 | 1.27(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:19 | 35:21 | -2 | 1.117 | 1490261 | 302922 | 17 | 42 | 17819 | | |
| 361.8385 | 35:19 | 35:21 | -2 | 1.117 | 1164284 | 237833 | 30 | 75 | 7928 | 1.28(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:43 | -1 | 1.129 | 3701243 | 758028 | 918 | 2295 | 826 | | |
| 361.8385 | 35:41 | 35:43 | -2 | 1.128 | 2979979 | 612286 | 758 | 1895 | 808 | 1.24(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:42 | 35:43 | -1 | 1.129 | 3701243 | 758028 | 918 | 2295 | 826 | | |
| 361.8385 | 35:41 | 35:43 | -2 | 1.128 | 2979979 | 612286 | 758 | 1895 | 808 | 1.24(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:59 | 36:00 | -1 | 1.138 | 3378925 | 406588 | 918 | 2295 | 443 | | |
| 361.8385 | 35:59 | 36:00 | -1 | 1.138 | 2707670 | 325437 | 758 | 1895 | 429 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:59 | 36:00 | -1 | 1.138 | 3378925 | 406588 | 918 | 2295 | 443 | | |
| 361.8385 | 35:59 | 36:00 | -1 | 1.138 | 2707670 | 325437 | 758 | 1895 | 429 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:17 | 36:19 | -2 | 1.147 | 3630371 | 683737 | 918 | 2295 | 745 | | |
| 361.8385 | 36:17 | 36:19 | -2 | 1.147 | 2905500 | 540647 | 758 | 1895 | 713 | 1.25(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:17 | 36:19 | -2 | 1.147 | 3630371 | 683737 | 918 | 2295 | 745 | | |
| 361.8385 | 36:17 | 36:19 | -2 | 1.147 | 2905500 | 540647 | 758 | 1895 | 713 | 1.25(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:29 | 36:31 | -2 | 1.154 | 1490014 | 297243 | 918 | 2295 | 324 | | |
| 361.8385 | 36:29 | 36:31 | -2 | 1.154 | 1193540 | 240602 | 758 | 1895 | 317 | 1.25(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:38 | 36:40 | -1 | 1.159 | 1872493 | 386571 | 918 | 2295 | 421 | | |
| 361.8385 | 36:38 | 36:40 | -1 | 1.159 | 1495797 | 307478 | 758 | 1895 | 406 | 1.25(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:56 | 36:58 | -2 | 1.168 | 1554575 | 317666 | 918 | 2295 | 346 | | |
| 361.8385 | 36:56 | 36:58 | -2 | 1.168 | 1246978 | 257342 | 758 | 1895 | 340 | 1.25(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:27 | 37:29 | -2 | 1.184 | 1989605 | 399746 | 918 | 2295 | 435 | | |
| 361.8385 | 37:27 | 37:29 | -2 | 1.184 | 1589684 | 318121 | 758 | 1895 | 420 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:51 | 37:53 | -1 | 0.881 | 2127988 | 433472 | 918 | 2295 | 472 | | |
| 361.8385 | 37:51 | 37:53 | -1 | 0.881 | 1690976 | 346311 | 758 | 1895 | 457 | 1.26(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:06 | 38:08 | -2 | 0.887 | 2077192 | 416106 | 918 | 2295 | 453 | | |
| 361.8385 | 38:06 | 38:08 | -2 | 0.887 | 1670487 | 339867 | 758 | 1895 | 448 | 1.24(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:14 | 38:16 | -2 | 0.890 | 2886384 | 592562 | 918 | 2295 | 645 | | |
| 361.8385 | 38:14 | 38:16 | -2 | 0.890 | 2286976 | 469652 | 758 | 1895 | 620 | 1.26(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:47 | -2 | 0.902 | 4753832 | 699124 | 918 | 2295 | 762 | | |
| 361.8385 | 38:45 | 38:47 | -2 | 0.902 | 3852464 | 561885 | 758 | 1895 | 741 | 1.23(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:47 | -2 | 0.902 | 4753832 | 699124 | 918 | 2295 | 762 | | |
| 361.8385 | 38:45 | 38:47 | -2 | 0.902 | 3852464 | 561885 | 758 | 1895 | 741 | 1.23(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:54 | 38:56 | -2 | 0.906 | 1899587 | 364915 | 918 | 2295 | 398 | | |
| 361.8385 | 38:54 | 38:56 | -2 | 0.906 | 1524821 | 295991 | 758 | 1895 | 390 | 1.25(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:19 | 39:20 | -2 | 0.915 | 1847914 | 378170 | 918 | 2295 | 412 | | |
| 361.8385 | 39:19 | 39:20 | -2 | 0.915 | 1474704 | 299719 | 758 | 1895 | 395 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:35 | -3 | 0.920 | 1819404 | 355211 | 918 | 2295 | 387 | | |
| 361.8385 | 39:32 | 39:35 | -3 | 0.920 | 1460059 | 284033 | 758 | 1895 | 375 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:39 | 39:41 | -2 | 0.923 | 2373057 | 474478 | 918 | 2295 | 517 | | |
| 361.8385 | 39:39 | 39:41 | -2 | 0.923 | 1897523 | 384959 | 758 | 1895 | 508 | 1.25(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:59 | 40:00 | -2 | 0.931 | 7878175 | 869577 | 918 | 2295 | 947 | | M |
| 361.8385 | 39:59 | 40:00 | -2 | 0.931 | 6309268 | 691499 | 758 | 1895 | 912 | 1.25(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:59 | 40:00 | -2 | 0.931 | 7878175 | 869577 | 918 | 2295 | 947 | | M |
| 361.8385 | 39:59 | 40:00 | -2 | 0.931 | 6309268 | 691499 | 758 | 1895 | 912 | 1.25(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:59 | 40:00 | -2 | 0.931 | 7878175 | 869577 | 918 | 2295 | 947 | | M |
| 361.8385 | 39:59 | 40:00 | -2 | 0.931 | 6309268 | 691499 | 758 | 1895 | 912 | 1.25(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:59 | 40:00 | -2 | 0.931 | 7878175 | 869577 | 918 | 2295 | 947 | | M |
| 361.8385 | 39:59 | 40:00 | -2 | 0.931 | 6309268 | 691499 | 758 | 1895 | 912 | 1.25(1.05-1.43) | M |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:21 | 40:23 | -2 | 0.940 | 2747655 | 529289 | 918 | 2295 | 577 | | |
| 361.8385 | 40:21 | 40:23 | -2 | 0.940 | 2198058 | 419342 | 758 | 1895 | 553 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:12 | 41:14 | -2 | 0.959 | 4476146 | 793842 | 918 | 2295 | 865 | | |
| 361.8385 | 41:12 | 41:14 | -2 | 0.959 | 3621217 | 642162 | 758 | 1895 | 847 | 1.24(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:12 | 41:14 | -2 | 0.959 | 4476146 | 793842 | 918 | 2295 | 865 | | |
| 361.8385 | 41:12 | 41:14 | -2 | 0.959 | 3621217 | 642162 | 758 | 1895 | 847 | 1.24(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:12 | 42:14 | -2 | 0.983 | 2840066 | 556420 | 918 | 2295 | 606 | | |
| 361.8385 | 42:12 | 42:14 | -2 | 0.983 | 2273448 | 447136 | 758 | 1895 | 590 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:29 | 42:32 | -2 | 0.989 | 2436586 | 454907 | 918 | 2295 | 496 | | |
| 361.8385 | 42:29 | 42:32 | -2 | 0.989 | 1954378 | 365464 | 758 | 1895 | 482 | 1.25(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:58 | 43:00 | -2 | 1.001 | 2912234 | 570741 | 918 | 2295 | 622 | | |
| 361.8385 | 42:58 | 43:00 | -2 | 1.001 | 2343079 | 458623 | 758 | 1895 | 605 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:07 | 44:09 | -2 | 1.000 | 5016097 | 714358 | 918 | 2295 | 778 | | |
| 361.8385 | 44:07 | 44:09 | -2 | 1.000 | 4004512 | 583125 | 758 | 1895 | 769 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:07 | 44:09 | -2 | 1.000 | 5016097 | 714358 | 918 | 2295 | 778 | | |
| 361.8385 | 44:07 | 44:09 | -2 | 1.000 | 4004512 | 583125 | 758 | 1895 | 769 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:21 | 47:23 | -3 | 1.000 | 1937553 | 349299 | 918 | 2295 | 381 | | |
| 361.8385 | 47:21 | 47:23 | -3 | 1.000 | 1556931 | 280042 | 758 | 1895 | 369 | 1.24(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:21 | 37:23 | -2 | 0.821 | 1847768 | 377687 | 36 | 90 | 10491 | | |
| 407.8398 | 37:21 | 37:23 | -2 | 0.821 | 1739083 | 359201 | 2 | 5 | 179601 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:24 | 40:25 | -2 | 0.888 | 1153498 | 238400 | 36 | 90 | 6622 | | |
| 407.8398 | 40:24 | 40:25 | -2 | 0.888 | 1076925 | 219174 | 2 | 5 | 109587 | 1.07(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:30 | 45:32 | -2 | | 1379860 | 270025 | 36 | 90 | 7501 | | |
| 407.8398 | 45:30 | 45:32 | -2 | | 1297206 | 258401 | 2 | 5 | 129201 | 1.06(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:45 | 46:47 | -1 | 1.028 | 1202178 | 233284 | 36 | 90 | 6480 | | |
| 407.8398 | 46:45 | 46:47 | -2 | 1.027 | 1128503 | 213036 | 2 | 5 | 106518 | 1.07(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:52 | 49:54 | -2 | 1.096 | 2290365 | 452543 | 299 | 747 | 1514 | | |
| 407.8398 | 49:52 | 49:54 | -2 | 1.096 | 2203482 | 419461 | 390 | 975 | 1076 | 1.04(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:22 | 37:24 | -2 | 1.001 | 1891427 | 387668 | 13 | 32 | 29821 | | |
| 395.7995 | 37:22 | 37:24 | -2 | 1.001 | 1800679 | 369989 | 14 | 35 | 26428 | 1.05(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:42 | 37:44 | -2 | 1.009 | 2350875 | 476939 | 13 | 32 | 36688 | | |
| 395.7995 | 37:42 | 37:44 | -2 | 1.009 | 2233846 | 450079 | 14 | 35 | 32149 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:14 | 38:16 | -2 | 1.024 | 2090661 | 417697 | 13 | 32 | 32131 | | |
| 395.7995 | 38:14 | 38:16 | -2 | 1.024 | 1973280 | 393754 | 14 | 35 | 28125 | 1.06(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:35 | 38:36 | -1 | 1.033 | 2314834 | 459916 | 13 | 32 | 35378 | | |
| 395.7995 | 38:35 | 38:36 | -1 | 1.033 | 2199999 | 438873 | 14 | 35 | 31348 | 1.05(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:02 | 39:04 | -2 | 1.045 | 1869833 | 378515 | 13 | 32 | 29117 | | |
| 395.7995 | 39:02 | 39:04 | -2 | 1.045 | 1788460 | 354009 | 14 | 35 | 25286 | 1.05(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:25 | 40:27 | -2 | 1.082 | 1660158 | 332255 | 13 | 32 | 25558 | | |
| 395.7995 | 40:25 | 40:27 | -2 | 1.082 | 1572366 | 315277 | 14 | 35 | 22520 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:04 | 41:05 | -2 | 1.100 | 1728799 | 344926 | 13 | 32 | 26533 | | |
| 395.7995 | 41:04 | 41:05 | -2 | 1.100 | 1643119 | 326376 | 14 | 35 | 23313 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:20 | 41:22 | -2 | 1.107 | 1534599 | 299669 | 13 | 32 | 23051 | | |
| 395.7995 | 41:19 | 41:22 | -2 | 1.107 | 1465185 | 291838 | 14 | 35 | 20846 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:32 | 41:34 | -2 | 1.112 | 1551089 | 306095 | 13 | 32 | 23546 | | |
| 395.7995 | 41:32 | 41:34 | -2 | 1.112 | 1497965 | 298145 | 14 | 35 | 21296 | 1.04(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:56 | 41:59 | -2 | 1.123 | 3203009 | 380075 | 13 | 32 | 29237 | | M |
| 395.7995 | 41:56 | 41:59 | -2 | 1.123 | 3037782 | 362951 | 14 | 35 | 25925 | 1.05(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:56 | 41:59 | -2 | 1.123 | 3203009 | 380075 | 13 | 32 | 29237 | | M |
| 395.7995 | 41:56 | 41:59 | -2 | 1.123 | 3037782 | 362951 | 14 | 35 | 25925 | 1.05(0.89-1.21) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:10 | 42:12 | -2 | 1.129 | 1507038 | 293340 | 13 | 32 | 22565 | | |
| 395.7995 | 42:10 | 42:12 | -2 | 1.129 | 1420658 | 276762 | 14 | 35 | 19769 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:36 | 42:39 | -2 | 1.141 | 1569060 | 303502 | 13 | 32 | 23346 | | |
| 395.7995 | 42:36 | 42:39 | -2 | 1.141 | 1497941 | 291881 | 14 | 35 | 20849 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:01 | 43:02 | -2 | 1.152 | 1402267 | 279950 | 13 | 32 | 21535 | | |
| 395.7995 | 43:01 | 43:02 | -2 | 1.152 | 1333338 | 265592 | 14 | 35 | 18971 | 1.05(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -2 | 1.158 | 2941162 | 492080 | 13 | 32 | 37852 | | |
| 395.7995 | 43:13 | 43:16 | -2 | 1.157 | 2816588 | 475100 | 14 | 35 | 33936 | 1.04(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:14 | 43:16 | -2 | 1.158 | 2941162 | 492080 | 13 | 32 | 37852 | | |
| 395.7995 | 43:13 | 43:16 | -2 | 1.157 | 2816588 | 475100 | 14 | 35 | 33936 | 1.04(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:52 | 44:54 | -2 | 0.900 | 1568659 | 305219 | 13 | 32 | 23478 | | |
| 395.7995 | 44:52 | 44:54 | -2 | 0.900 | 1498018 | 291207 | 14 | 35 | 20801 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:09 | 45:11 | -2 | 0.905 | 1690874 | 328171 | 13 | 32 | 25244 | | |
| 395.7995 | 45:09 | 45:11 | -2 | 0.905 | 1609748 | 313573 | 14 | 35 | 22398 | 1.05(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:28 | 45:30 | -2 | 0.912 | 3340355 | 445051 | 13 | 32 | 34235 | | |
| 395.7995 | 45:28 | 45:30 | -2 | 0.912 | 3178769 | 427728 | 14 | 35 | 30552 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:28 | 45:30 | -2 | 0.912 | 3340355 | 445051 | 13 | 32 | 34235 | | |
| 395.7995 | 45:28 | 45:30 | -2 | 0.912 | 3178769 | 427728 | 14 | 35 | 30552 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:53 | 45:55 | -2 | 0.920 | 2215314 | 433346 | 13 | 32 | 33334 | | |
| 395.7995 | 45:53 | 45:55 | -2 | 0.920 | 2096949 | 401618 | 14 | 35 | 28687 | 1.06(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:46 | 46:48 | -2 | 0.938 | 1556965 | 300119 | 13 | 32 | 23086 | | |
| 395.7995 | 46:46 | 46:48 | -2 | 0.938 | 1496458 | 287000 | 14 | 35 | 20500 | 1.04(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:17 | 47:20 | -3 | 0.948 | 2136588 | 402486 | 13 | 32 | 30960 | | |
| 395.7995 | 47:17 | 47:20 | -3 | 0.948 | 2046867 | 391286 | 14 | 35 | 27949 | 1.04(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:54 | 49:56 | -2 | 1.001 | 2330610 | 438466 | 291 | 727 | 1507 | | |
| 395.7995 | 49:54 | 49:56 | -2 | 1.001 | 2188495 | 409658 | 334 | 835 | 1227 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:43 | 42:45 | -2 | 0.822 | 1306346 | 263380 | 4 | 10 | 65845 | | |
| 441.8008 | 42:43 | 42:45 | -2 | 0.822 | 1453433 | 289352 | 3 | 7 | 96451 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:59 | 52:01 | -2 | | 1446182 | 270464 | 151 | 377 | 1791 | | |
| 441.8008 | 51:59 | 52:01 | -2 | | 1599401 | 301291 | 135 | 337 | 2232 | 0.90(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:27 | 52:30 | -2 | 1.009 | 1882190 | 360199 | 151 | 377 | 2385 | | |
| 441.8008 | 52:27 | 52:30 | -2 | 1.009 | 2092180 | 389972 | 135 | 337 | 2889 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:45 | 42:47 | -2 | 1.001 | 1836266 | 359816 | 11 | 27 | 32711 | | |
| 429.7606 | 42:44 | 42:47 | -2 | 1.000 | 2015966 | 394345 | 33 | 82 | 11950 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:40 | 43:42 | -2 | 1.022 | 2435837 | 479147 | 11 | 27 | 43559 | | |
| 429.7606 | 43:40 | 43:42 | -2 | 1.022 | 2694989 | 526367 | 33 | 82 | 15951 | 0.90(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:21 | 44:23 | -2 | 1.038 | 2379263 | 469474 | 11 | 27 | 42679 | | |
| 429.7606 | 44:21 | 44:23 | -2 | 1.038 | 2630738 | 514798 | 33 | 82 | 15600 | 0.90(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:34 | 44:36 | -2 | 1.043 | 2013350 | 398244 | 11 | 27 | 36204 | | |
| 429.7606 | 44:34 | 44:36 | -2 | 1.043 | 2217706 | 433344 | 33 | 82 | 13132 | 0.91(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:40 | 44:42 | -1 | 1.046 | 2413352 | 480689 | 11 | 27 | 43699 | | |
| 429.7606 | 44:40 | 44:42 | -1 | 1.046 | 2638348 | 522773 | 33 | 82 | 15842 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:27 | 47:30 | -3 | 1.111 | 3092961 | 412117 | 11 | 27 | 37465 | | |
| 429.7606 | 47:27 | 47:30 | -3 | 1.111 | 3446800 | 463533 | 33 | 82 | 14046 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:27 | 47:30 | -3 | 1.111 | 3092961 | 412117 | 11 | 27 | 37465 | | |
| 429.7606 | 47:27 | 47:30 | -3 | 1.111 | 3446800 | 463533 | 33 | 82 | 14046 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:08 | 48:10 | -2 | 0.918 | 1797577 | 352811 | 11 | 27 | 32074 | | |
| 429.7606 | 48:08 | 48:10 | -2 | 0.918 | 1990195 | 390611 | 33 | 82 | 11837 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:20 | 48:22 | -2 | 0.921 | 1601242 | 312135 | 11 | 27 | 28376 | | |
| 429.7606 | 48:20 | 48:22 | -2 | 0.921 | 1754940 | 336519 | 33 | 82 | 10198 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:39 | 49:42 | -2 | 0.947 | 2552245 | 487078 | 156 | 390 | 3122 | | |
| 429.7606 | 49:39 | 49:42 | -2 | 0.947 | 2850901 | 542773 | 194 | 485 | 2798 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 52:01 | 52:03 | -2 | 0.992 | 2924070 | 552419 | 156 | 390 | 3541 | | |
| 429.7606 | 52:01 | 52:03 | -2 | 0.992 | 3254194 | 613482 | 194 | 485 | 3162 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:29 | 52:31 | -2 | 1.000 | 2882577 | 549612 | 156 | 390 | 3523 | | |
| 429.7606 | 52:29 | 52:31 | -2 | 1.000 | 3191197 | 604859 | 194 | 485 | 3118 | 0.90(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:25 | 49:26 | -2 | 0.950 | 1582560 | 308281 | 329 | 822 | 937 | | |
| 475.7619 | 49:25 | 49:26 | -2 | 0.950 | 1993197 | 380103 | 1762 | 4405 | 216 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:14 | 54:15 | -2 | 1.043 | 1224742 | 229320 | 329 | 822 | 697 | | |
| 475.7619 | 54:14 | 54:15 | -2 | 1.043 | 1533126 | 291932 | 1762 | 4405 | 166 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:26 | 49:28 | -2 | 1.001 | 2256647 | 437492 | 201 | 502 | 2177 | | |
| 463.7216 | 49:26 | 49:28 | -2 | 1.001 | 2874822 | 550604 | 318 | 795 | 1731 | 0.78(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:22 | 50:24 | -2 | 1.019 | 2791513 | 541152 | 201 | 502 | 2692 | | |
| 463.7216 | 50:22 | 50:24 | -2 | 1.019 | 3553968 | 687451 | 318 | 795 | 2162 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:14 | 54:17 | -2 | 1.000 | 1822530 | 344961 | 201 | 502 | 1716 | | |
| 463.7216 | 54:14 | 54:17 | -2 | 1.000 | 2327784 | 444414 | 318 | 795 | 1398 | 0.78(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:52 | 55:55 | -3 | 1.075 | 1248438 | 223294 | 48 | 120 | 4652 | | |
| 509.7229 | 55:52 | 55:55 | -3 | 1.075 | 1747946 | 311823 | 23 | 57 | 13558 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:54 | 55:56 | -3 | 1.000 | 1928243 | 338892 | 19 | 47 | 17836 | | |
| 497.6826 | 55:54 | 55:56 | -3 | 1.000 | 2716160 | 479768 | 13 | 32 | 36905 | 0.71(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61MX209ICVS_00002 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville

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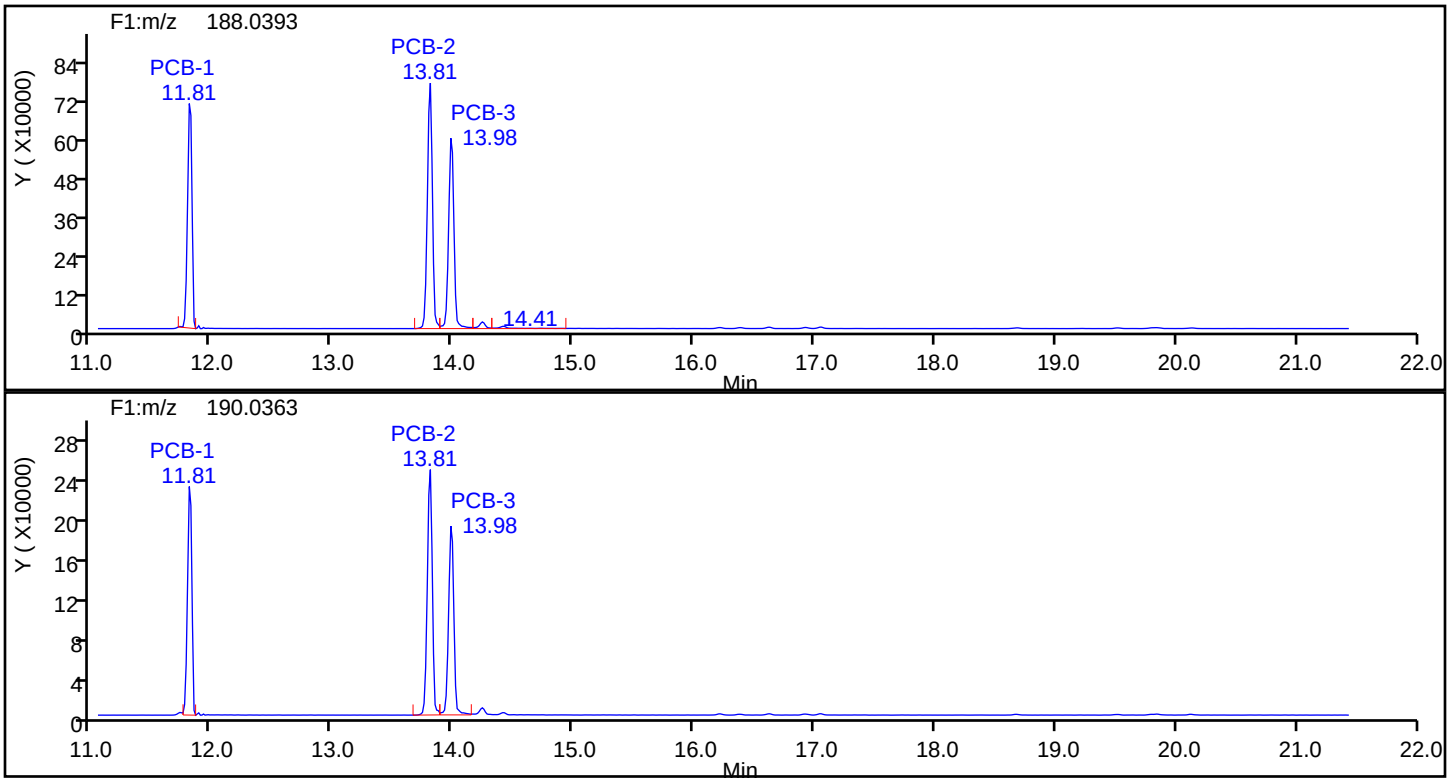
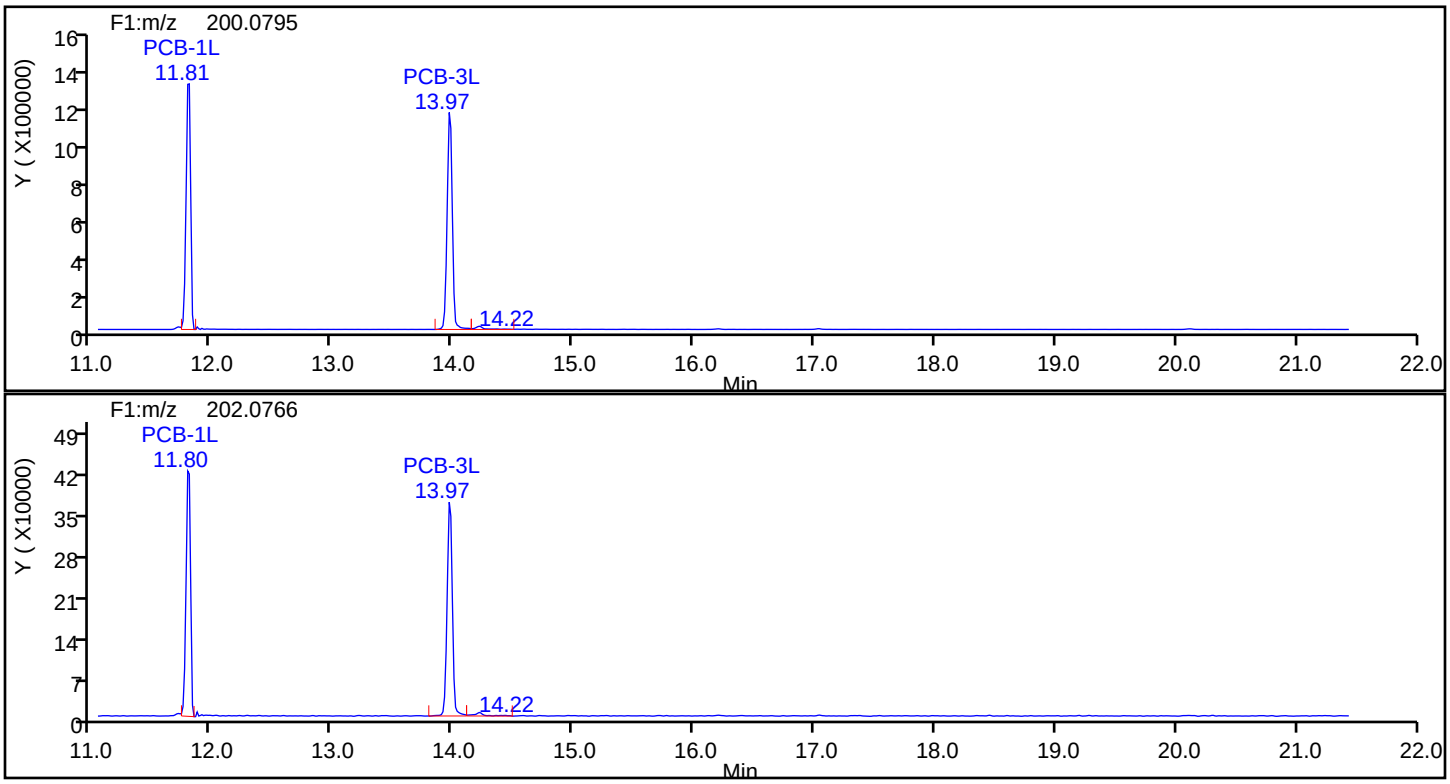
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
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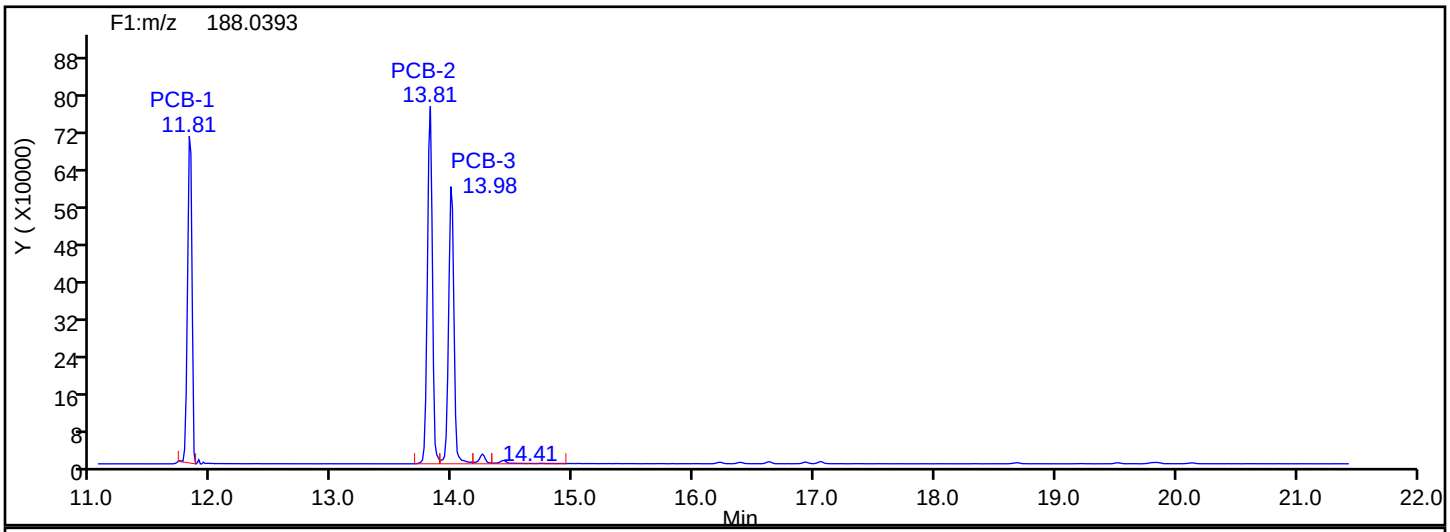
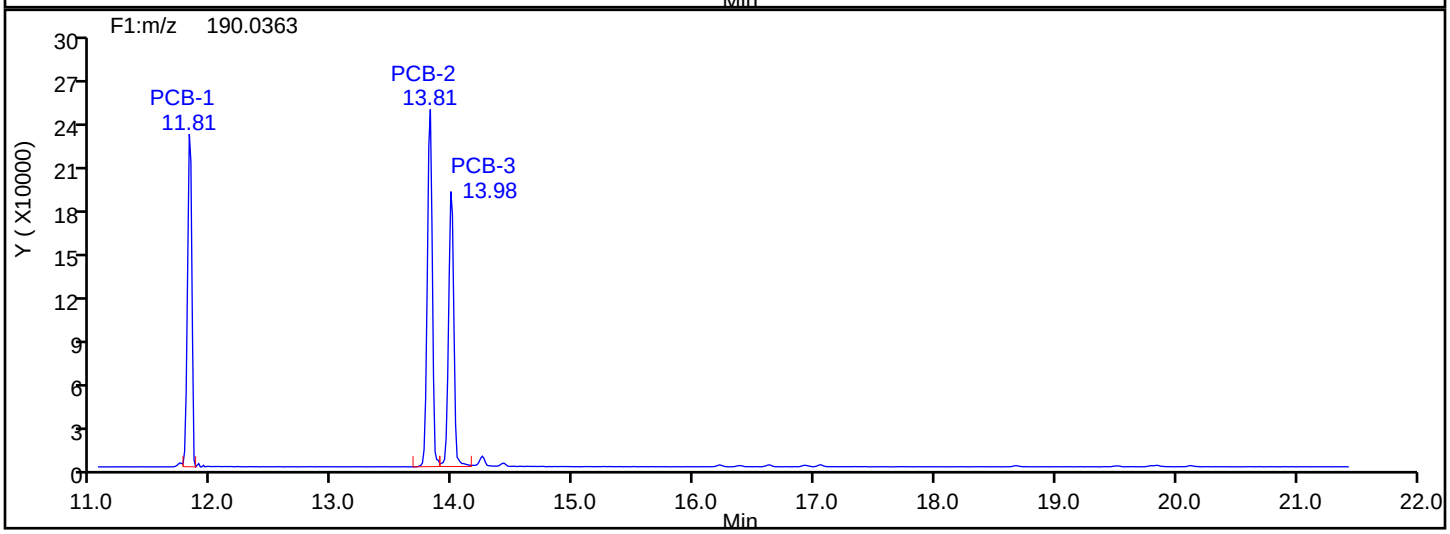
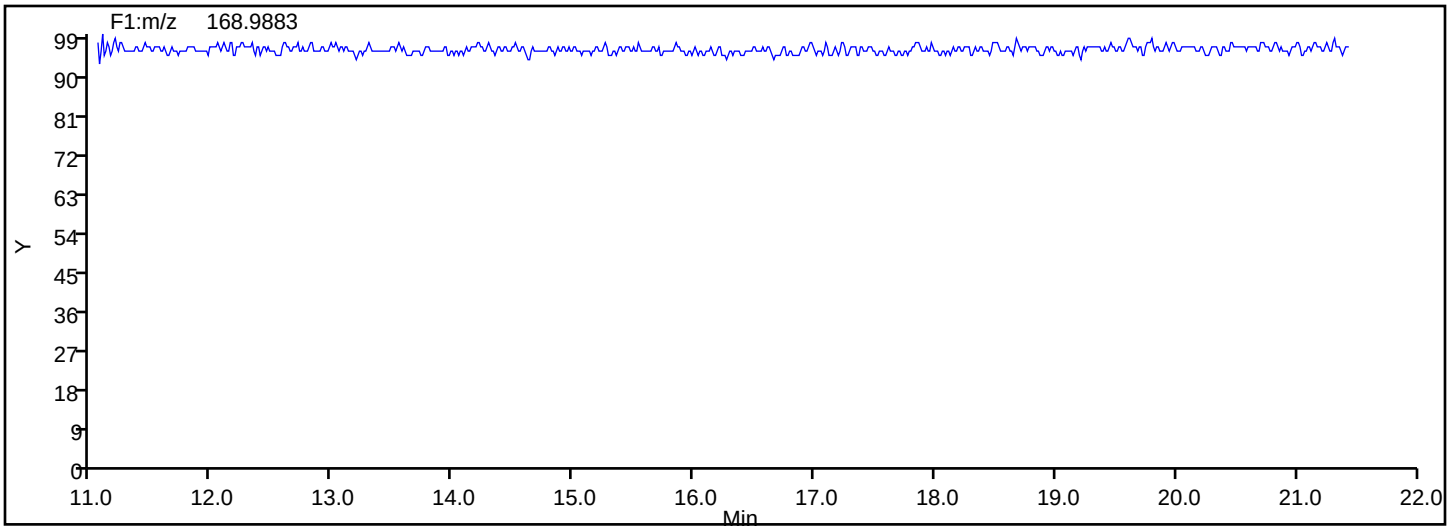
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



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| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
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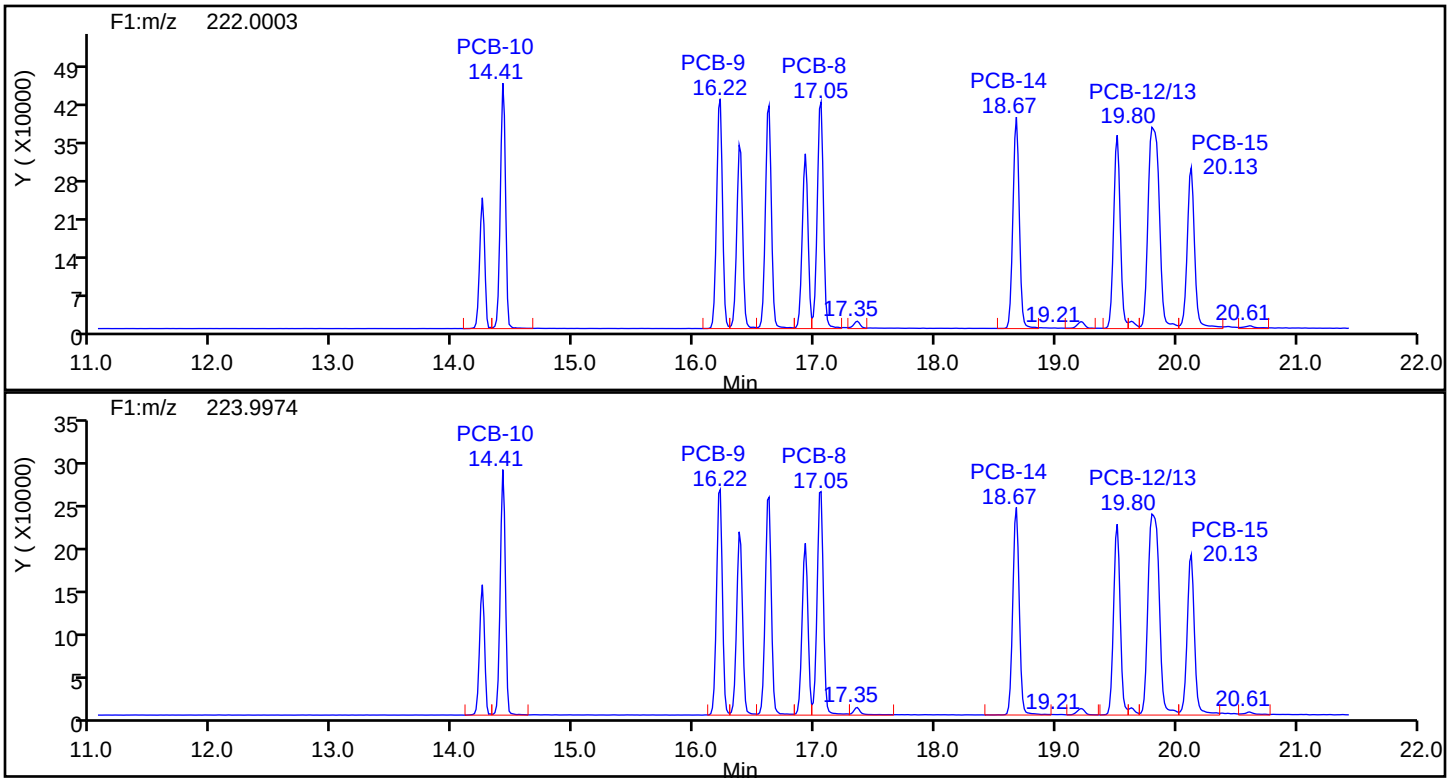
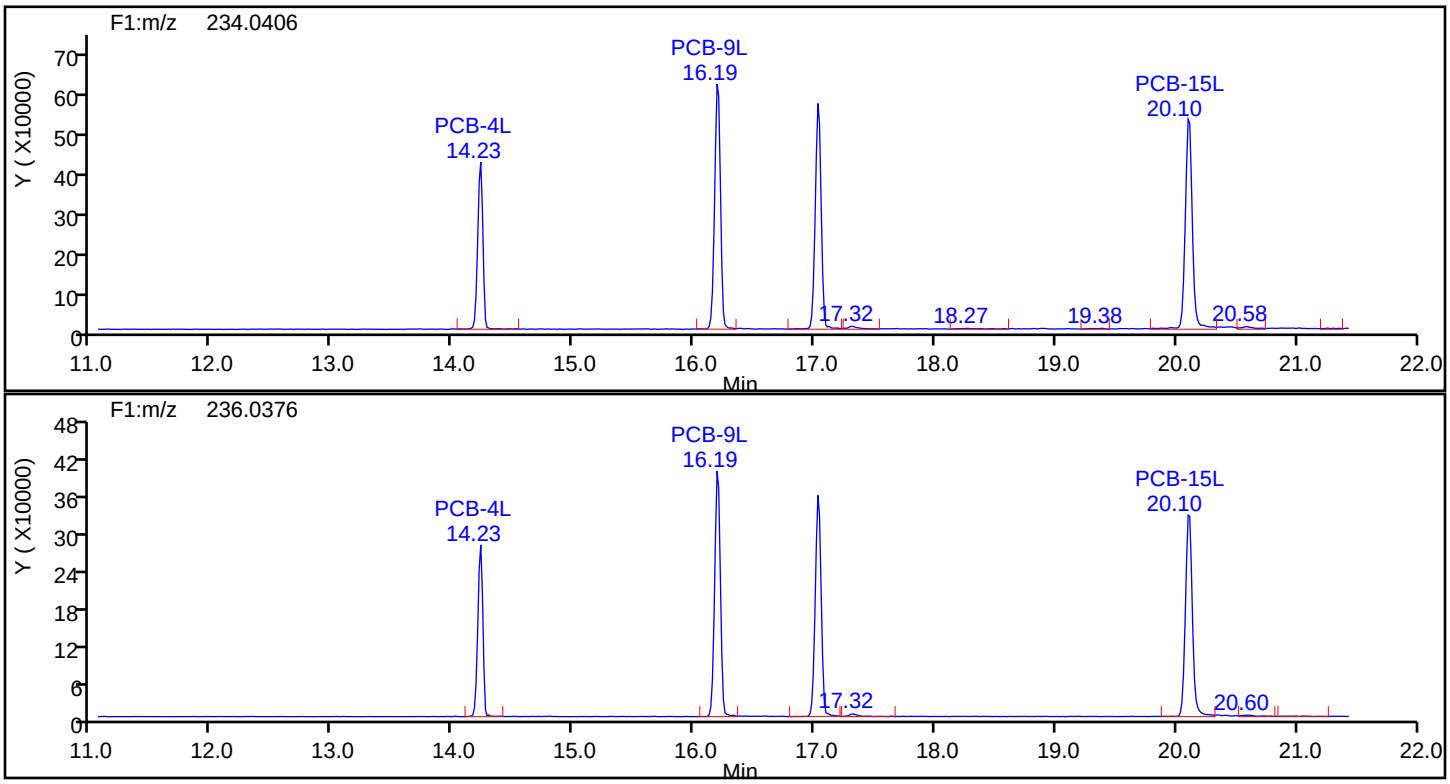
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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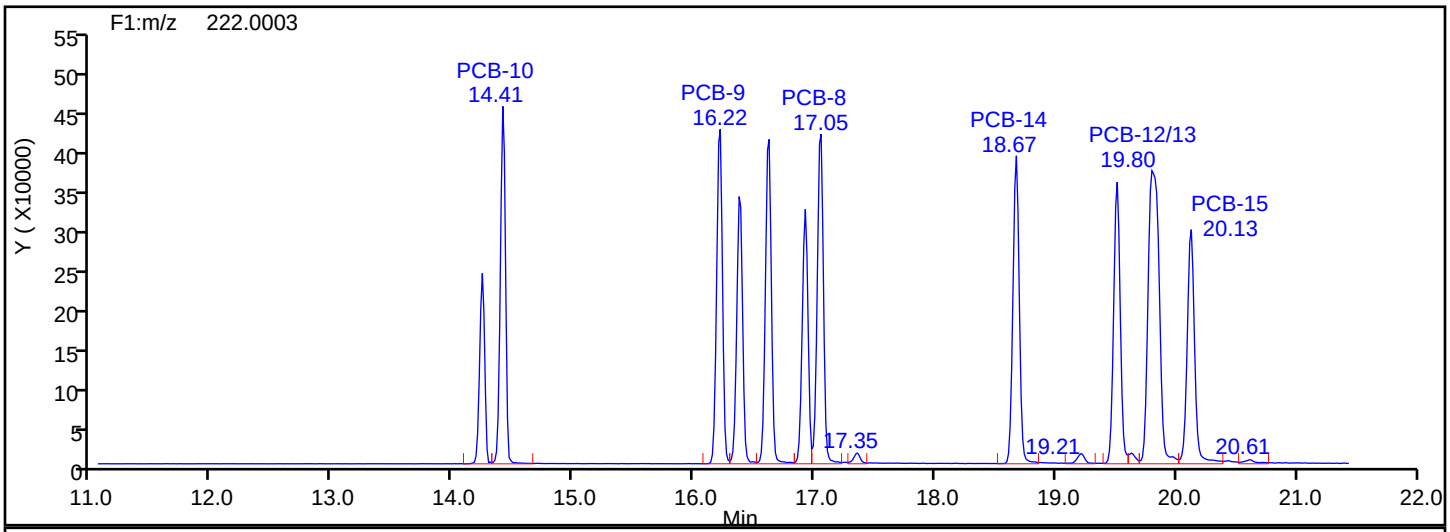
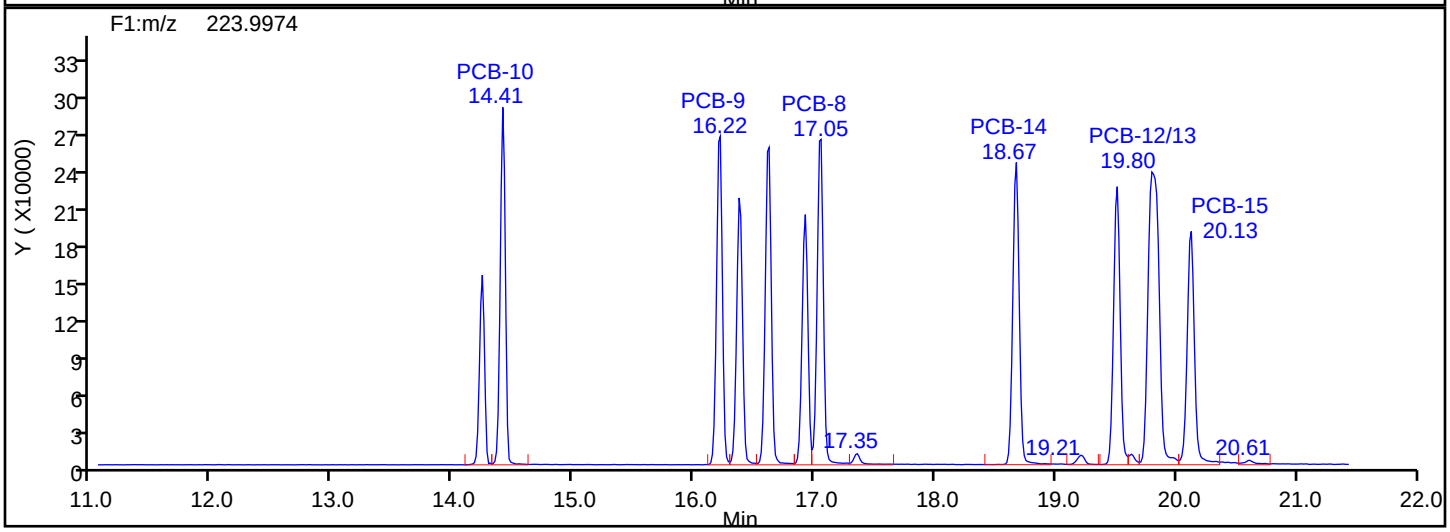
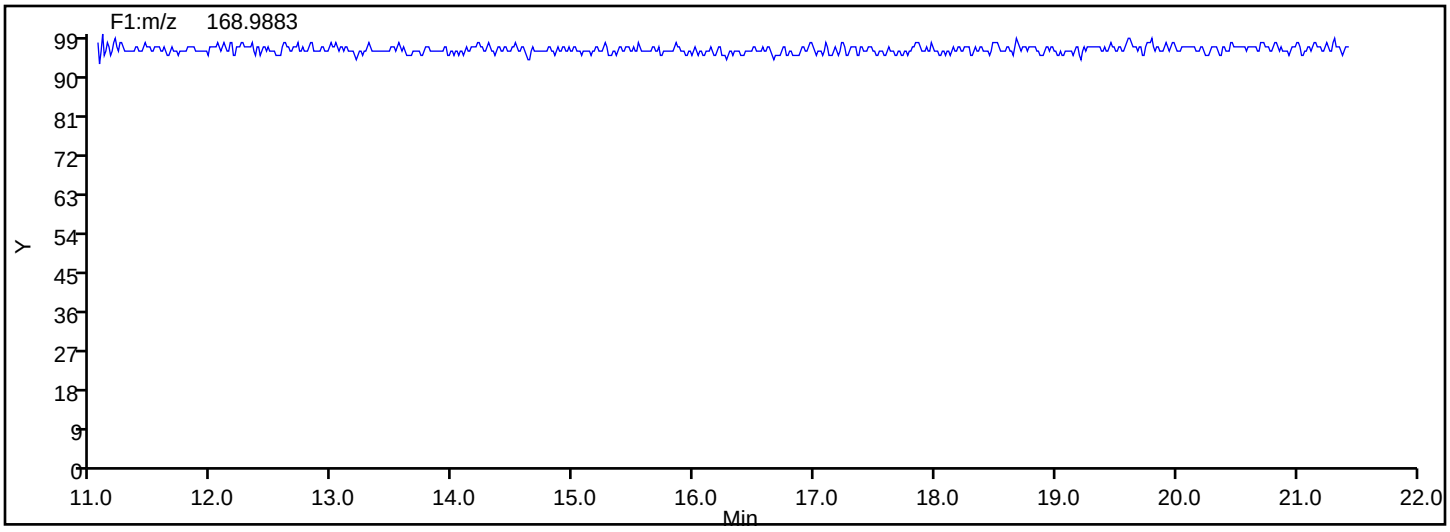
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



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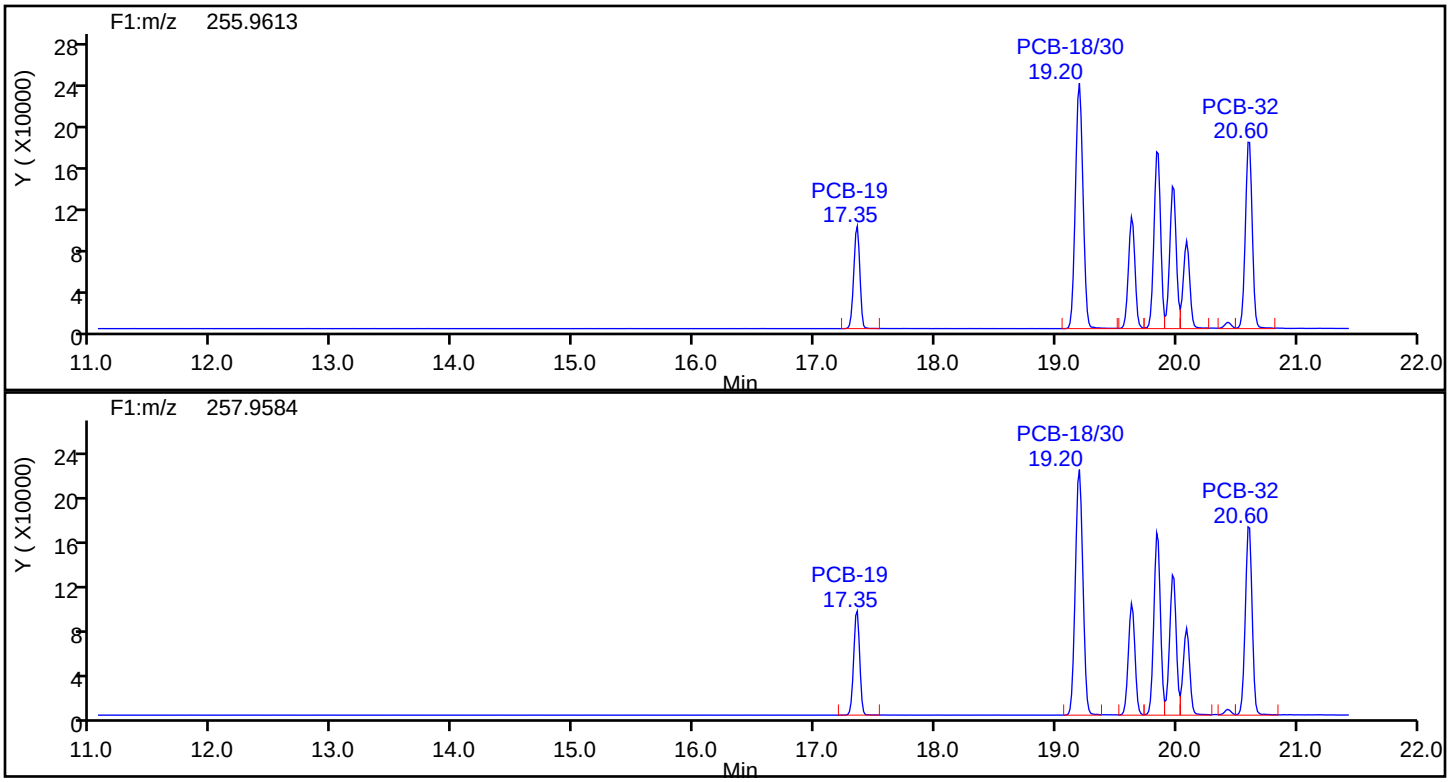
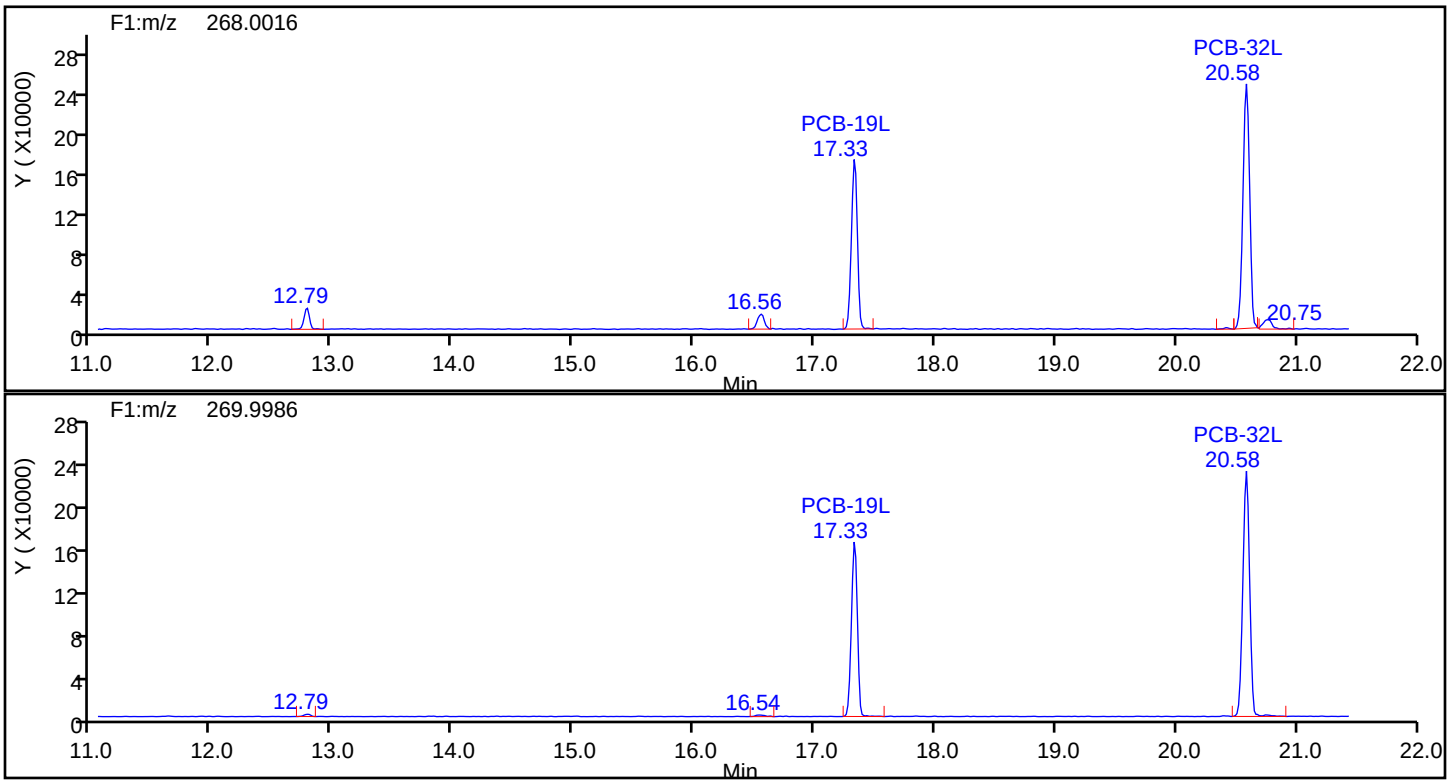
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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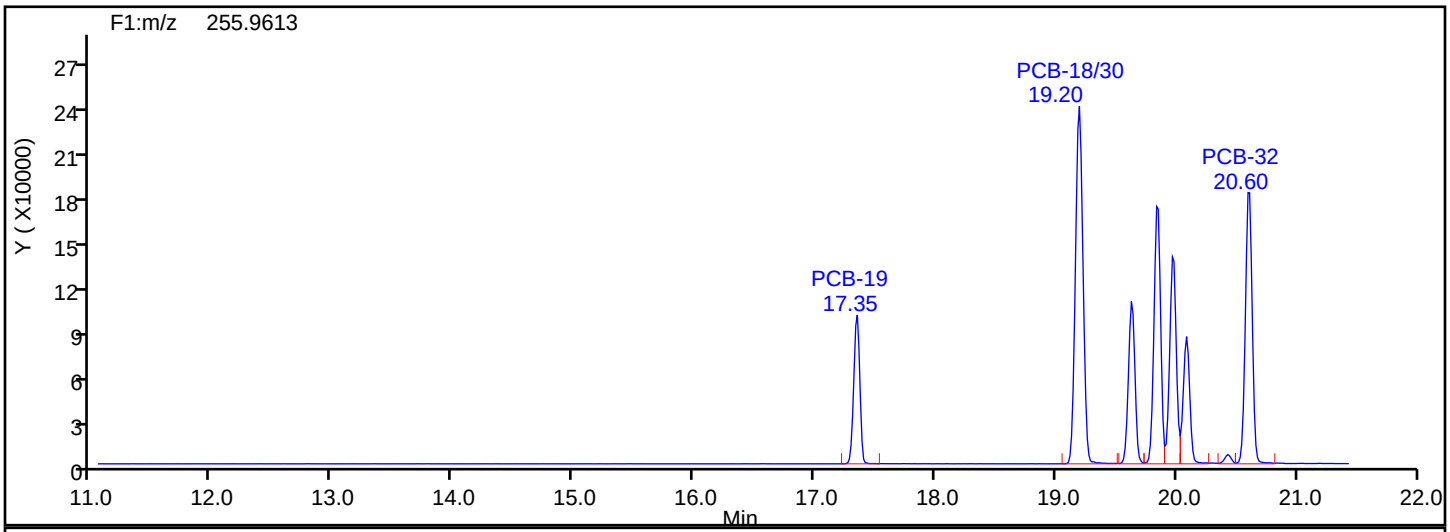
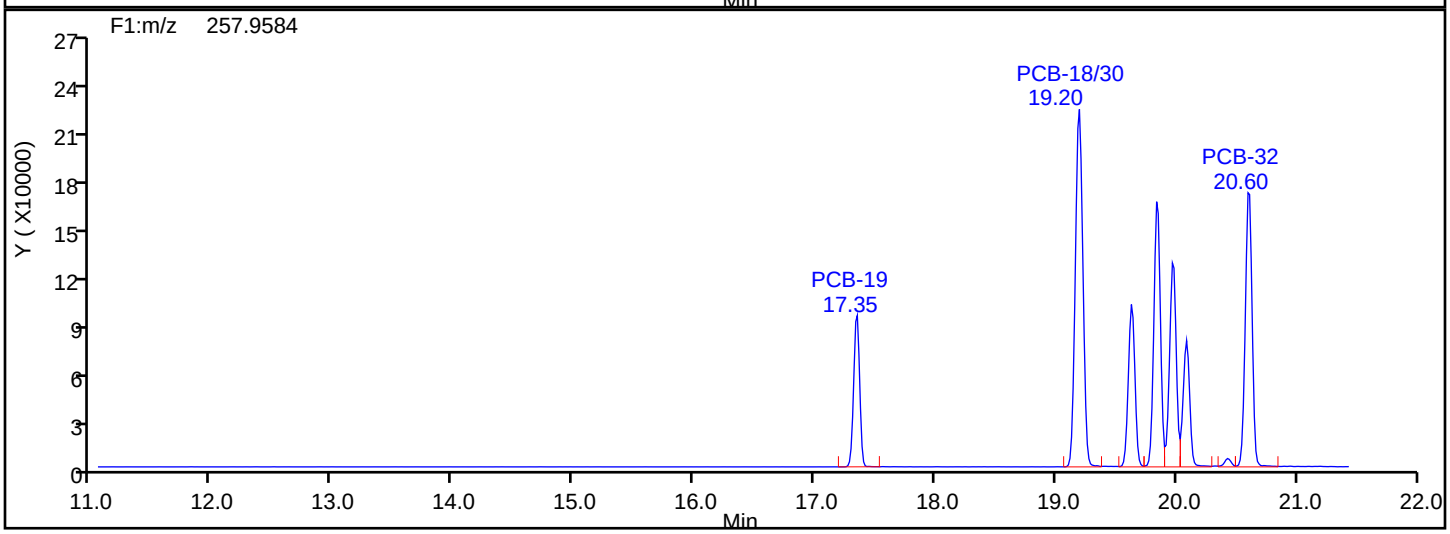
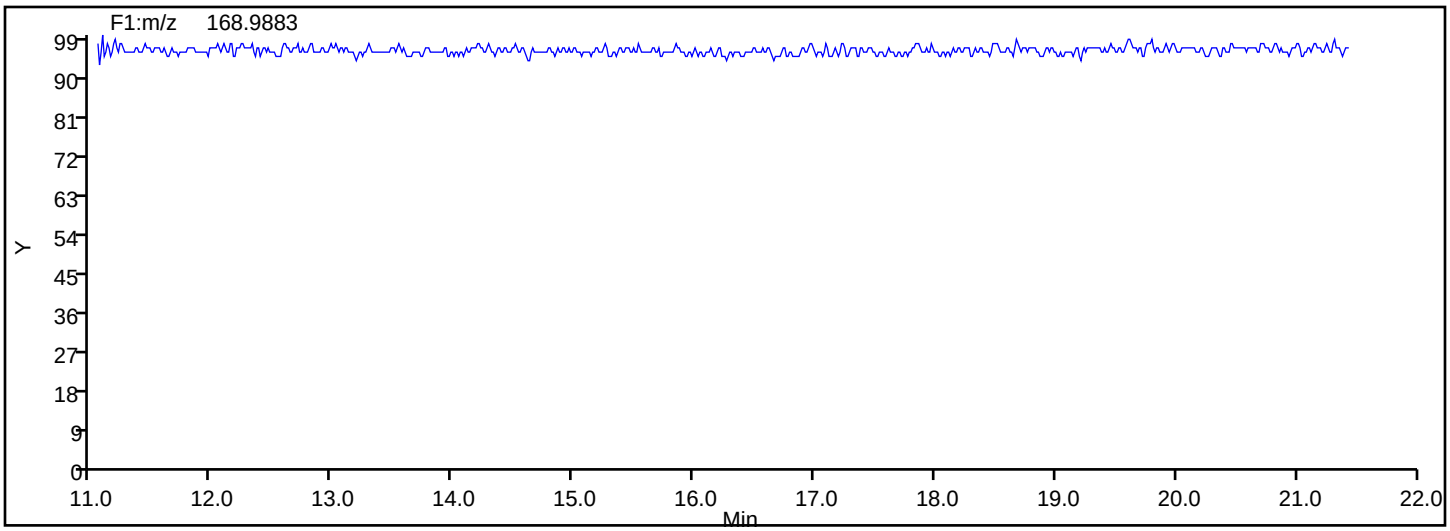
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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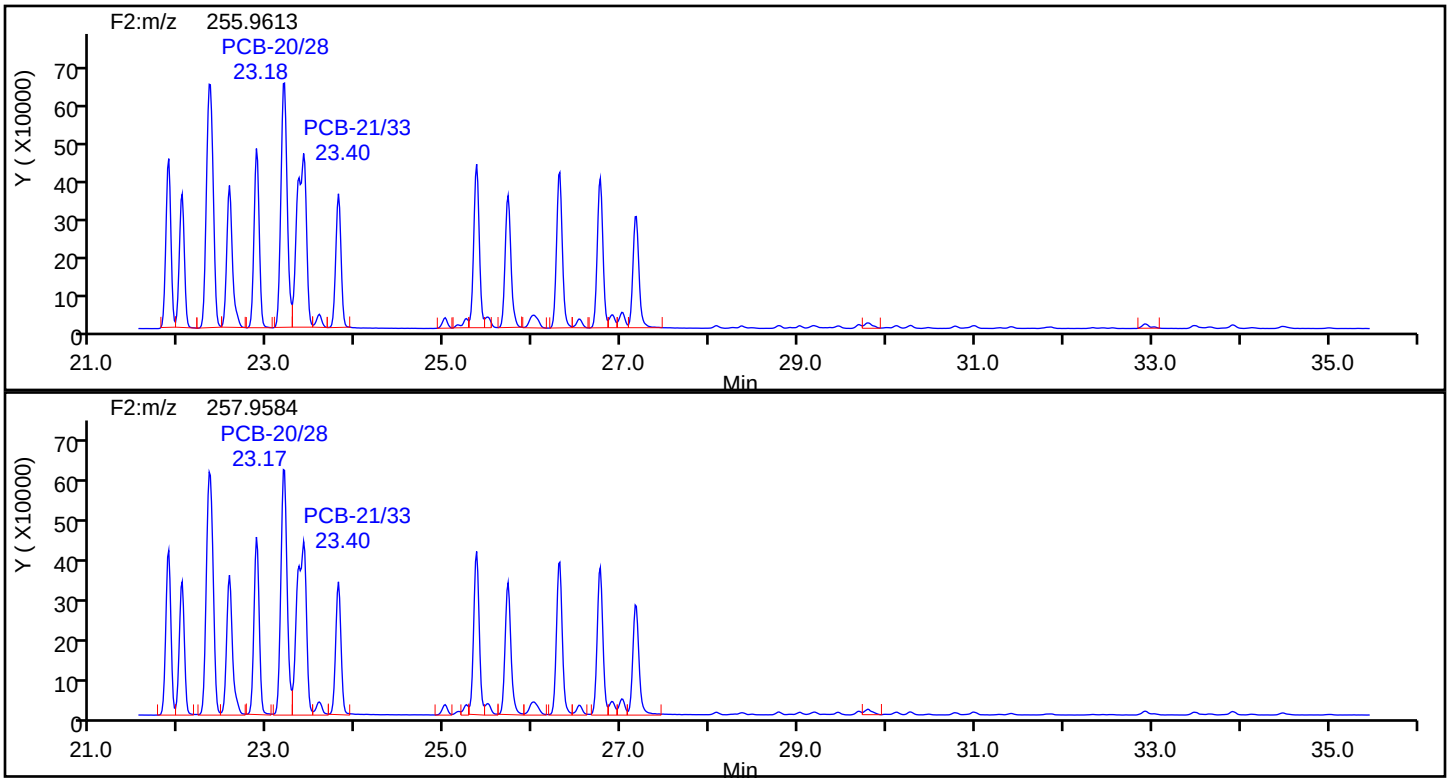
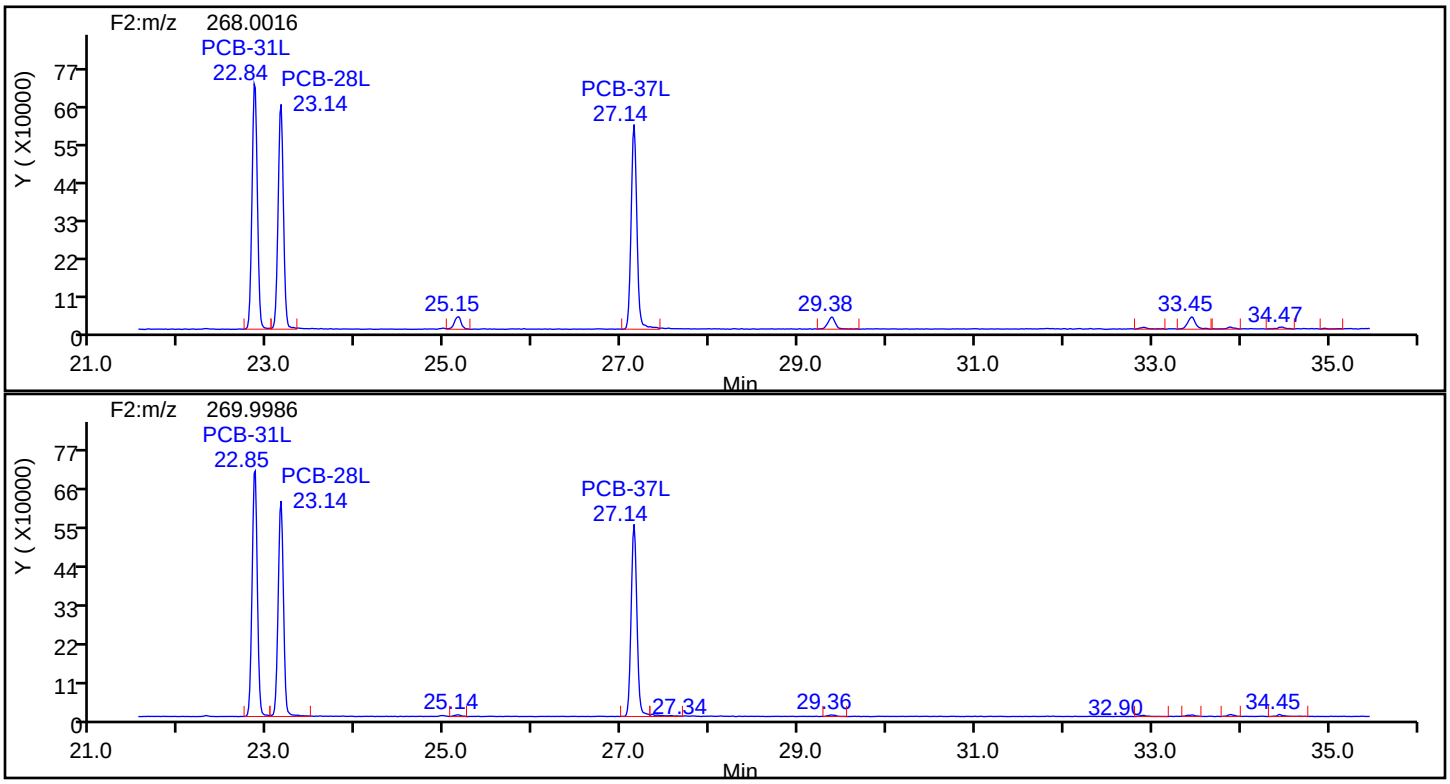
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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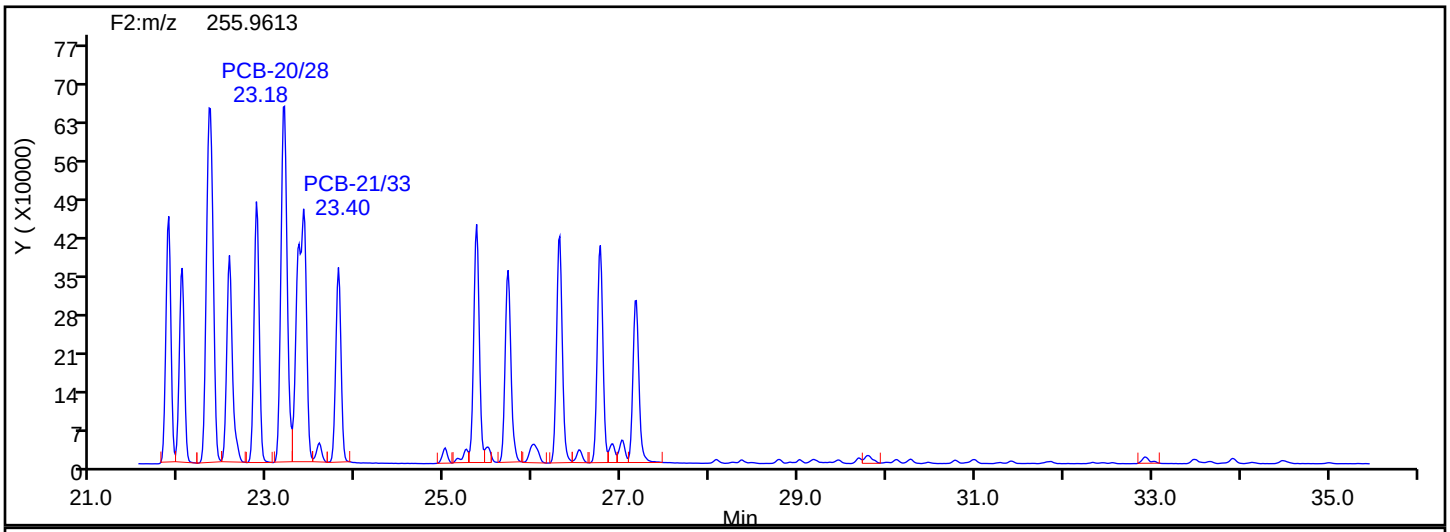
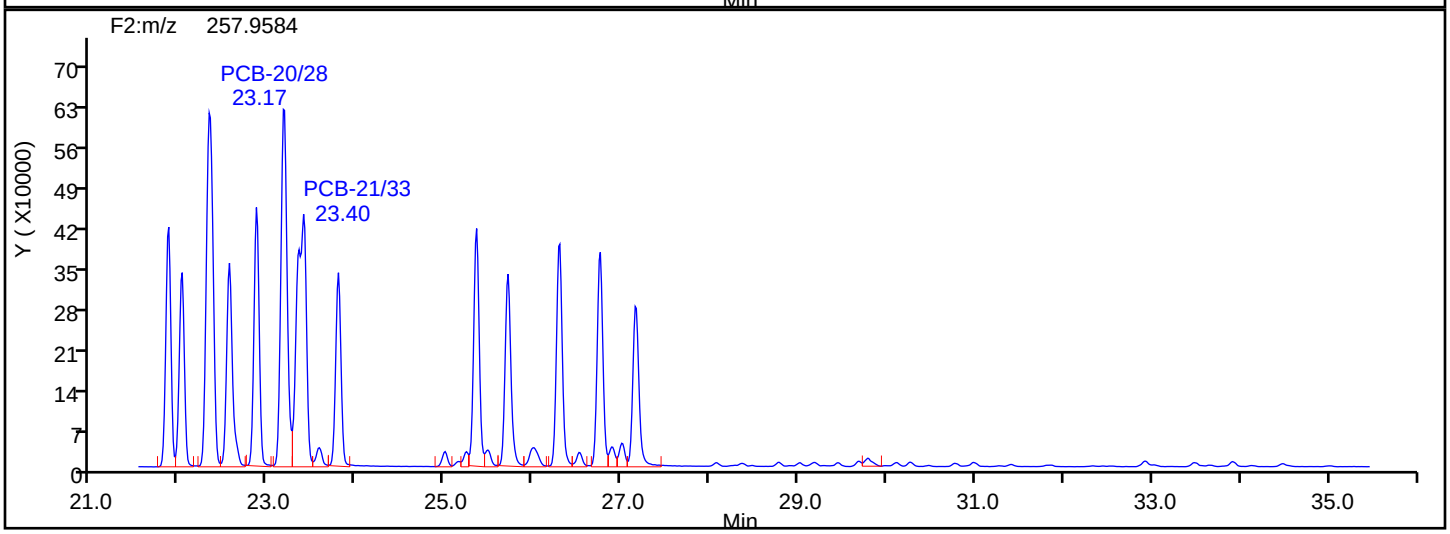
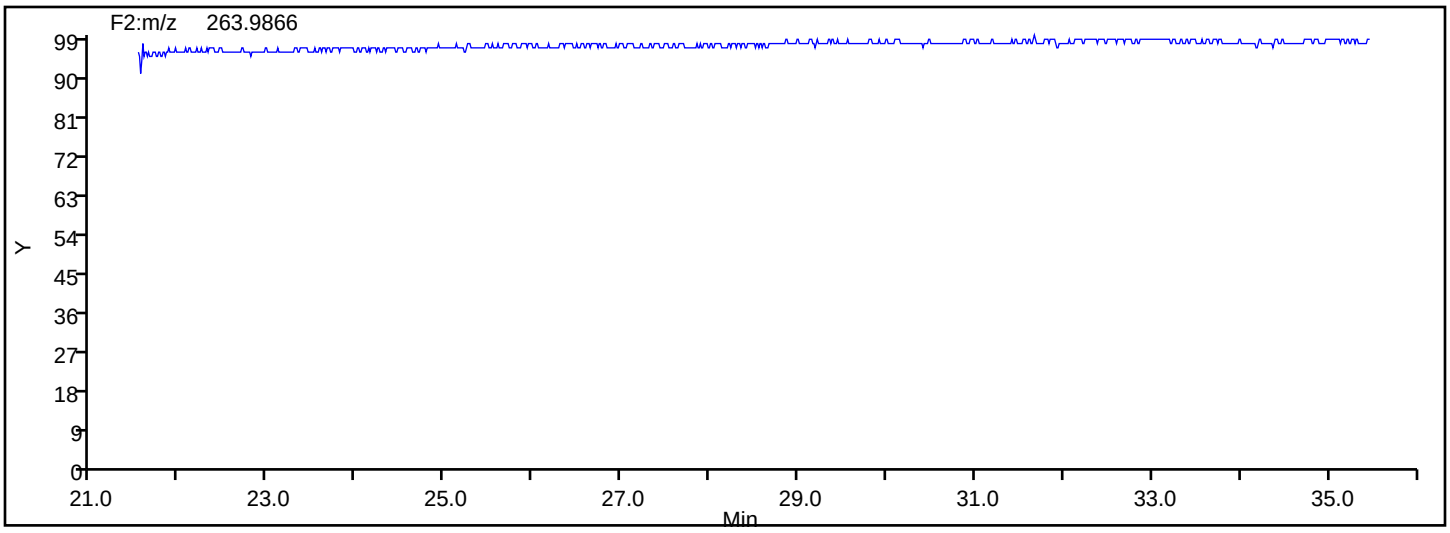
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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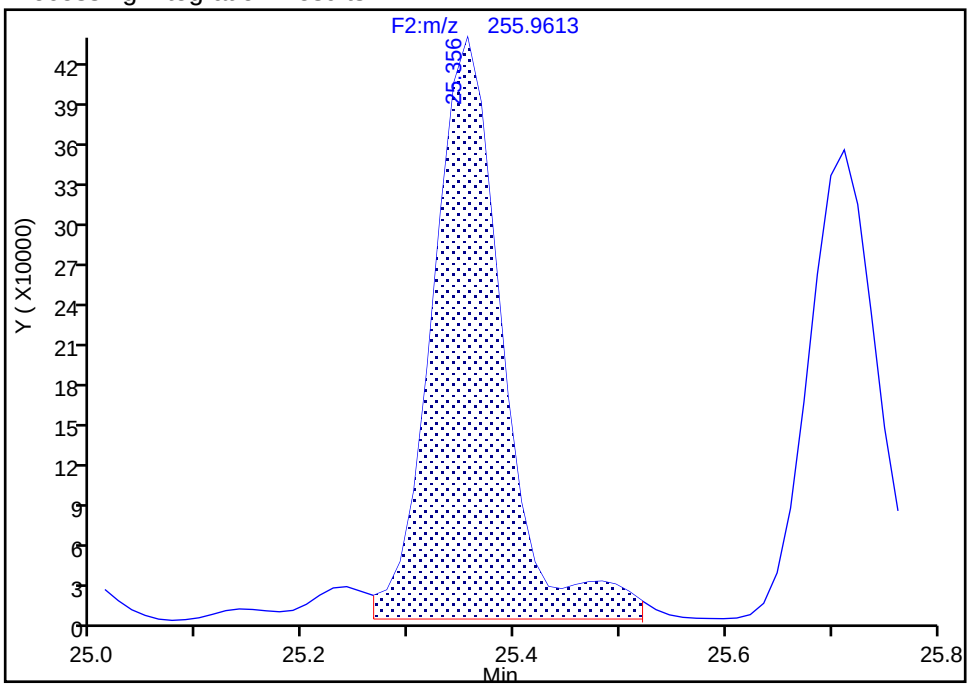
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-36, CAS: 38444-87-0

Signal: 1

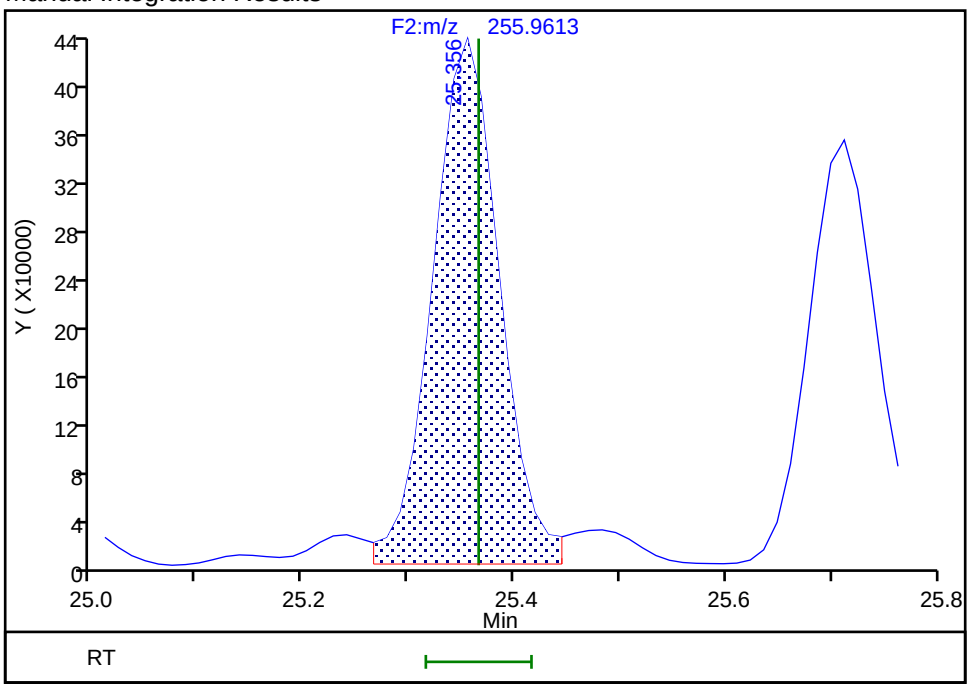
Processing Integration Results

RT: 25.36
Area: 2025598
Amount: 54.082902
Amount Units: pg/ul




Manual Integration Results

RT: 25.36
Area: 1913493
Amount: 52.502868
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:14:12

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
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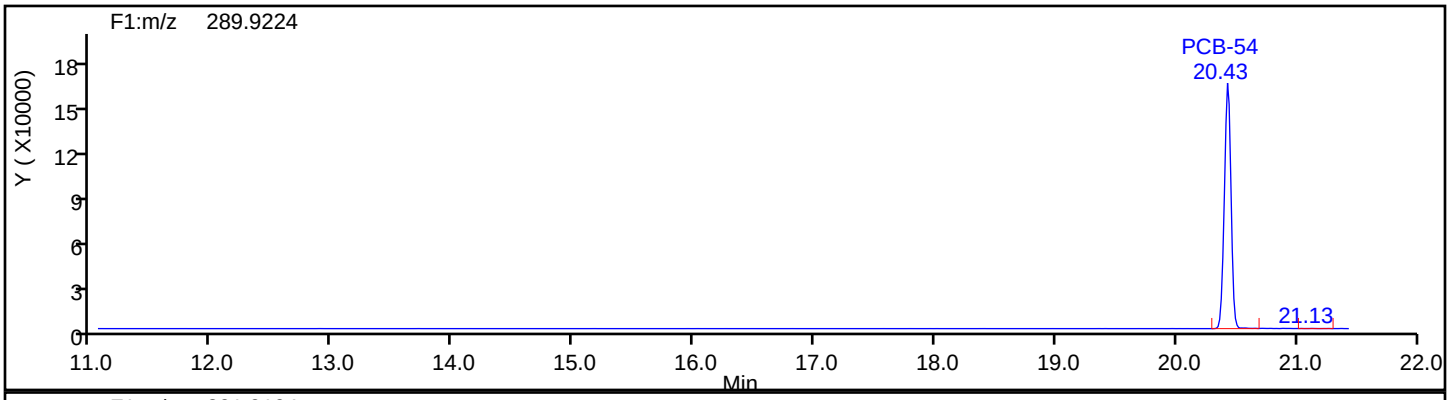
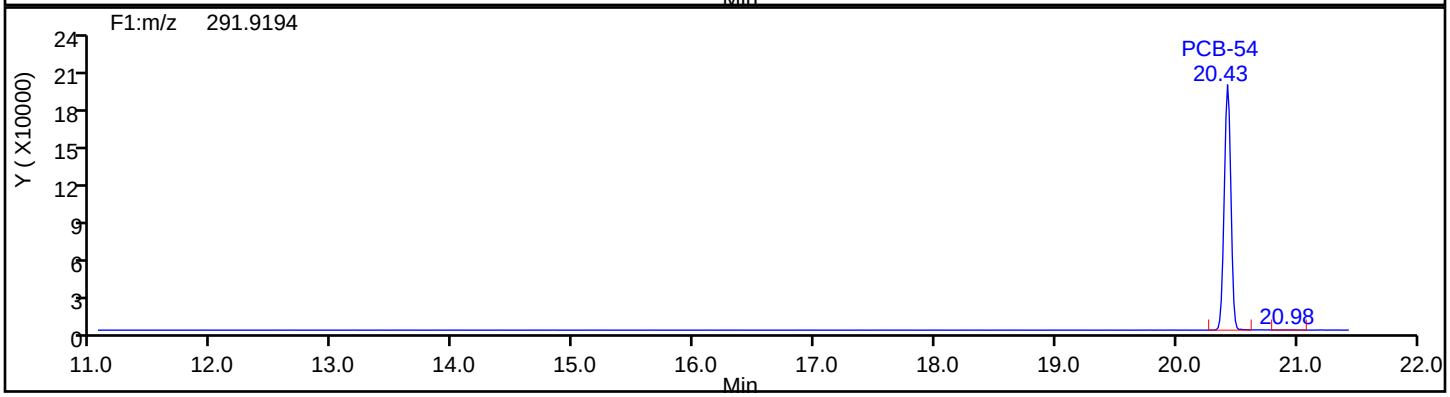
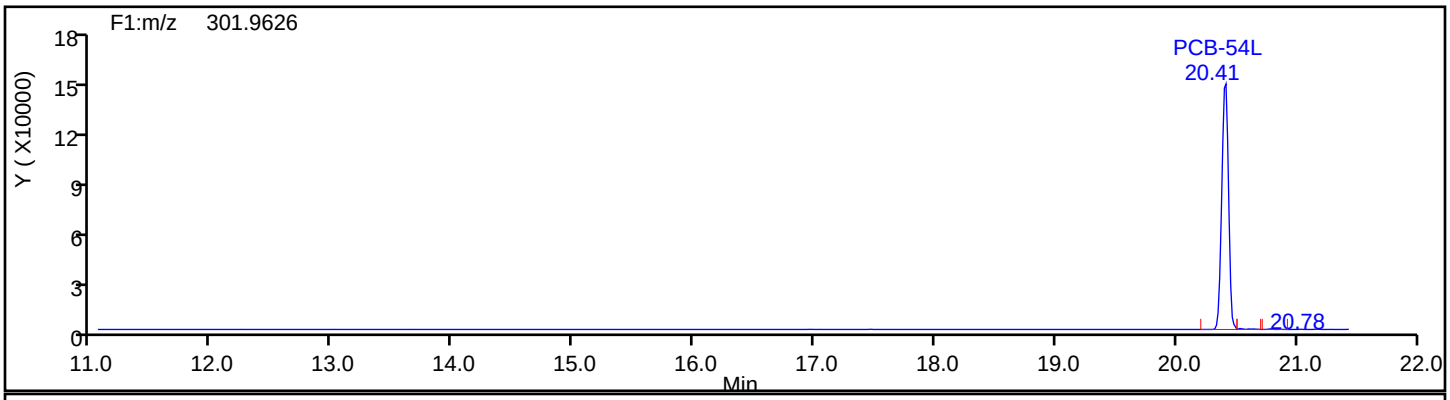
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

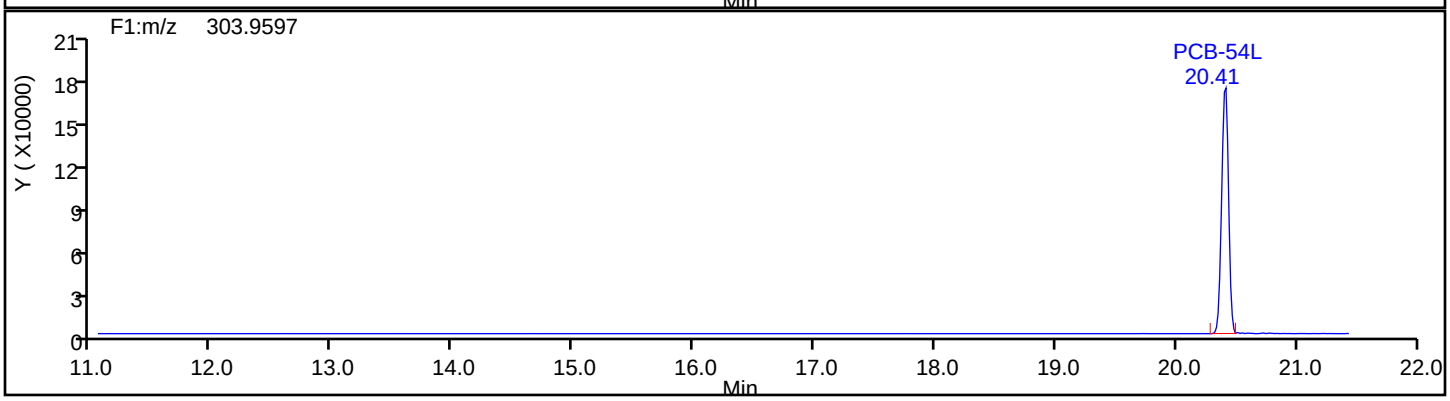
TePCB F1




TePCB F1 Standards

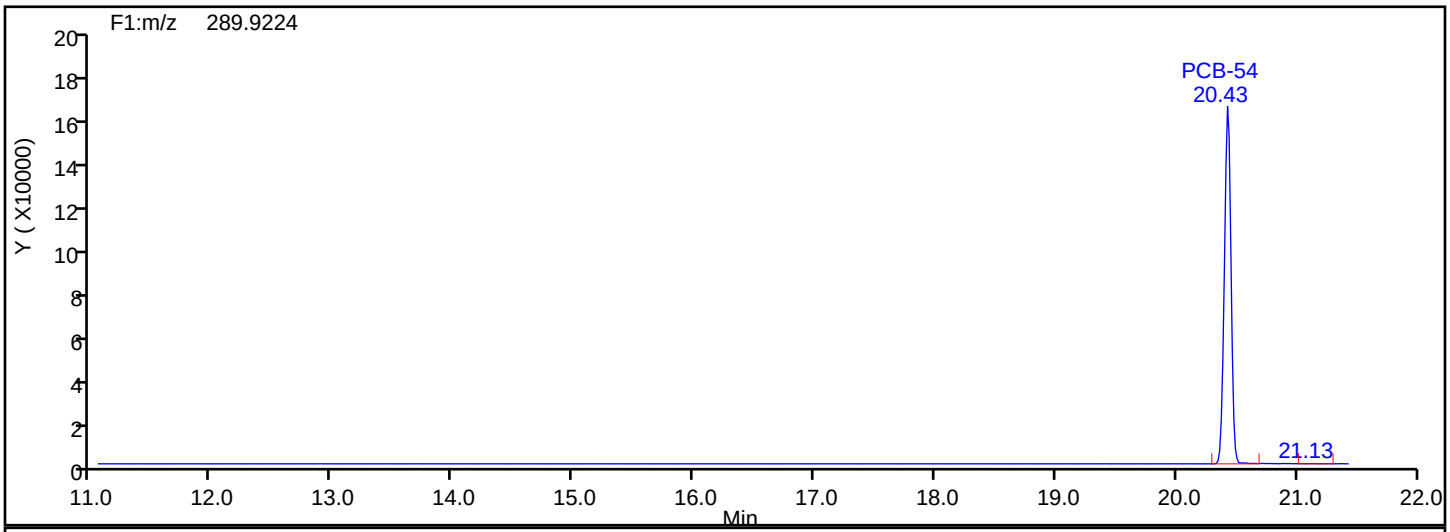


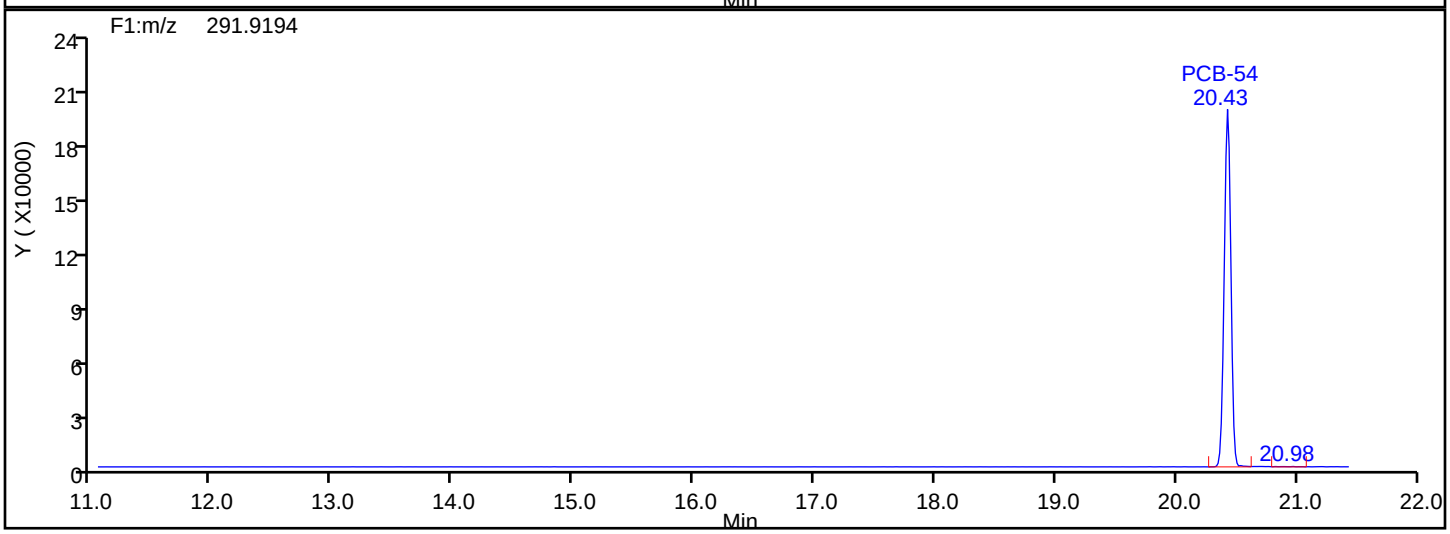



Eurofins TestAmerica, Knoxville

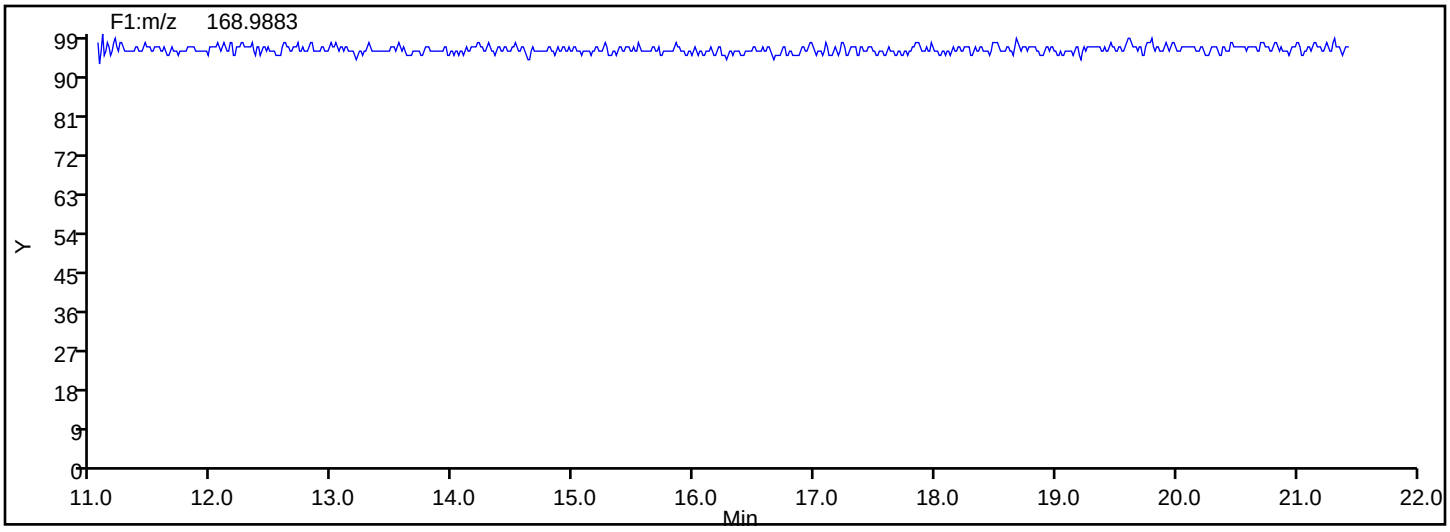
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



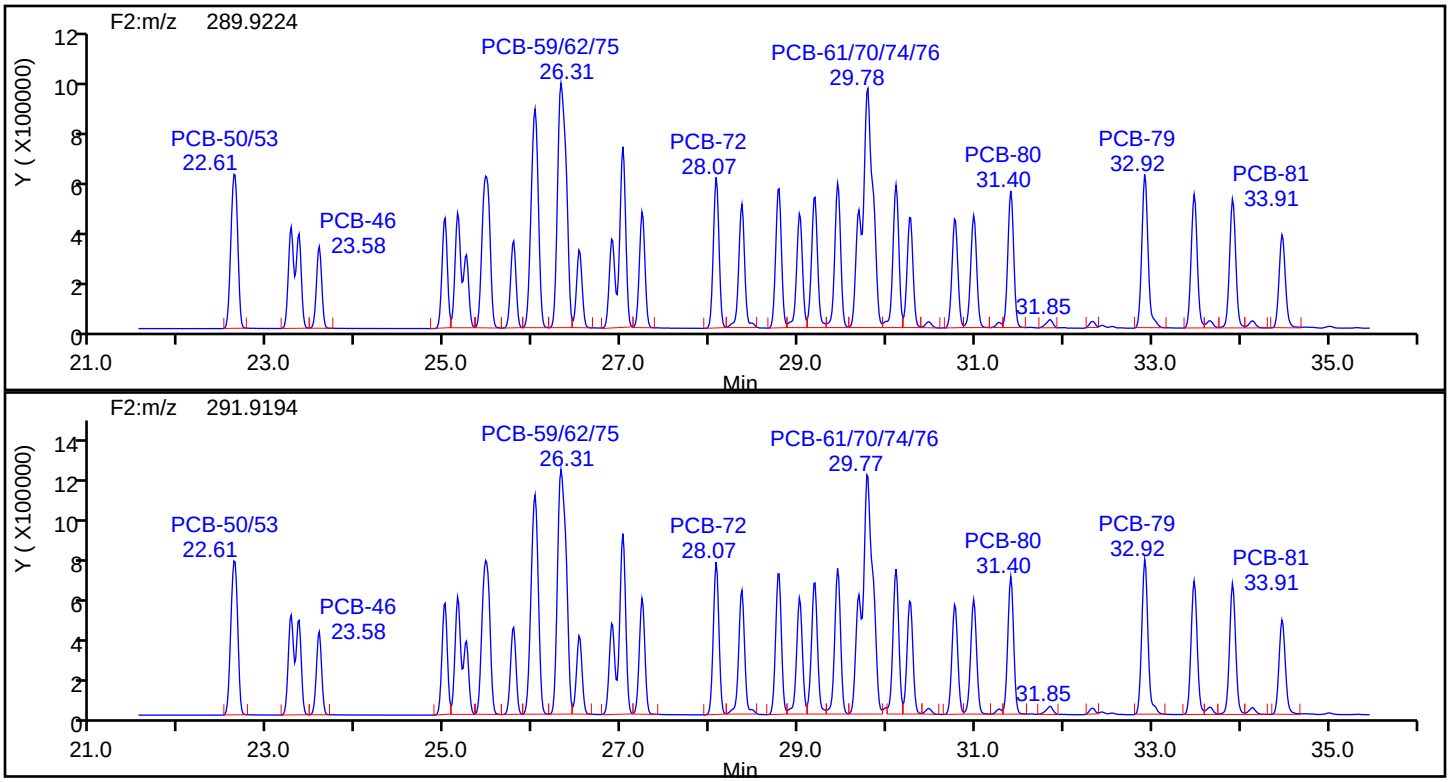

TePCB F1 Lock Mass



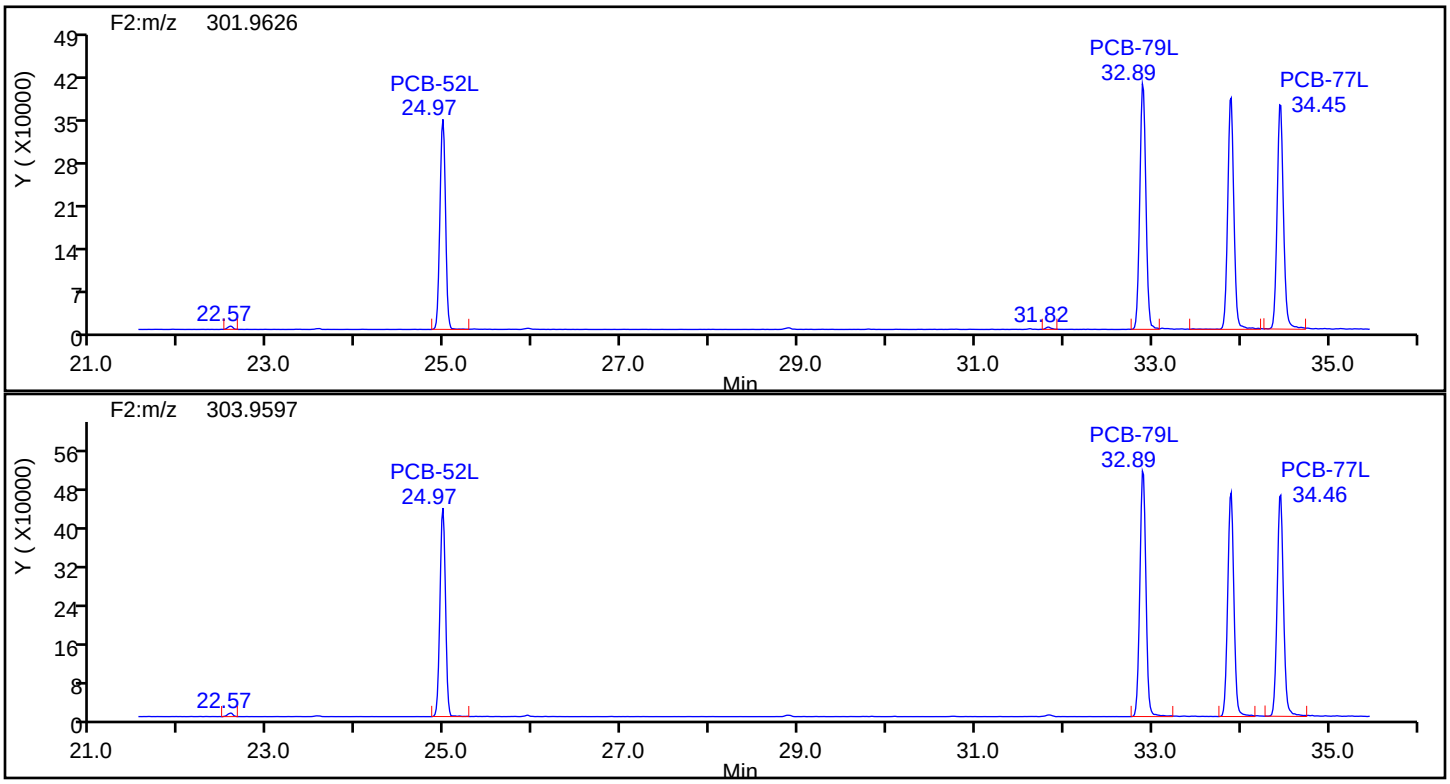
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2



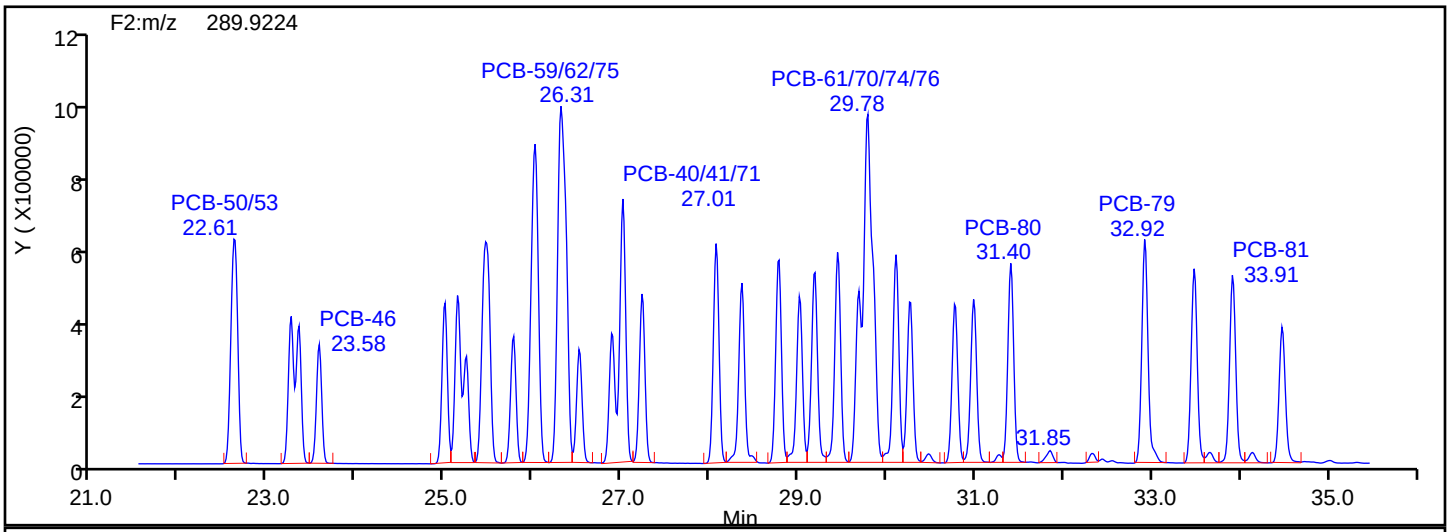

TePCB F2 Standards

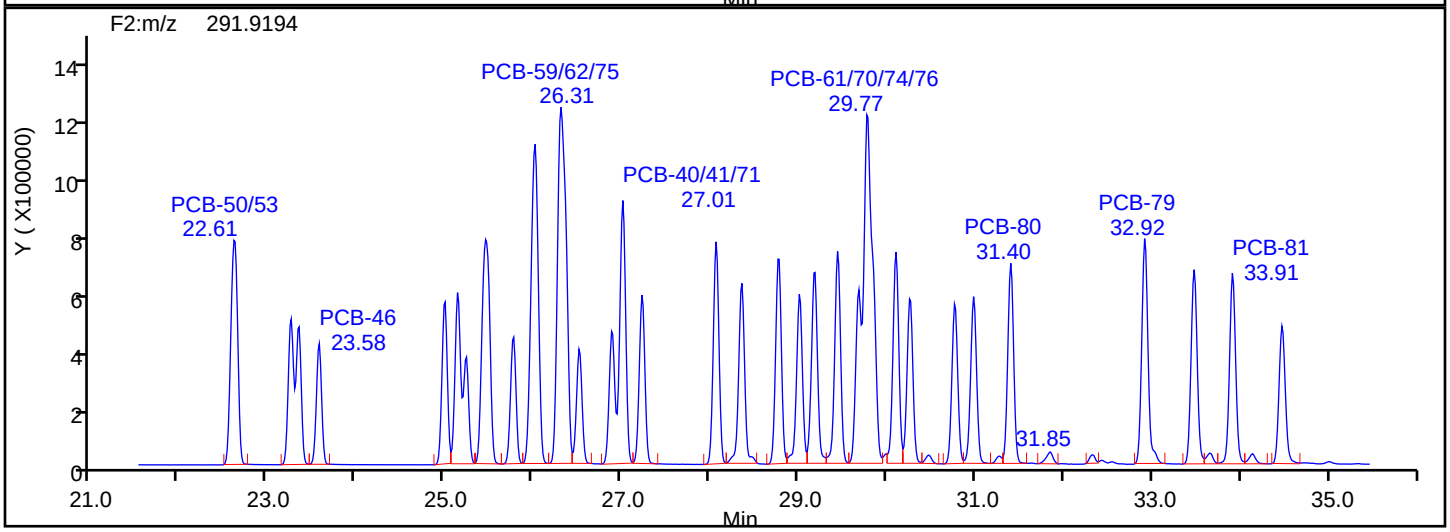


Eurofins TestAmerica, Knoxville

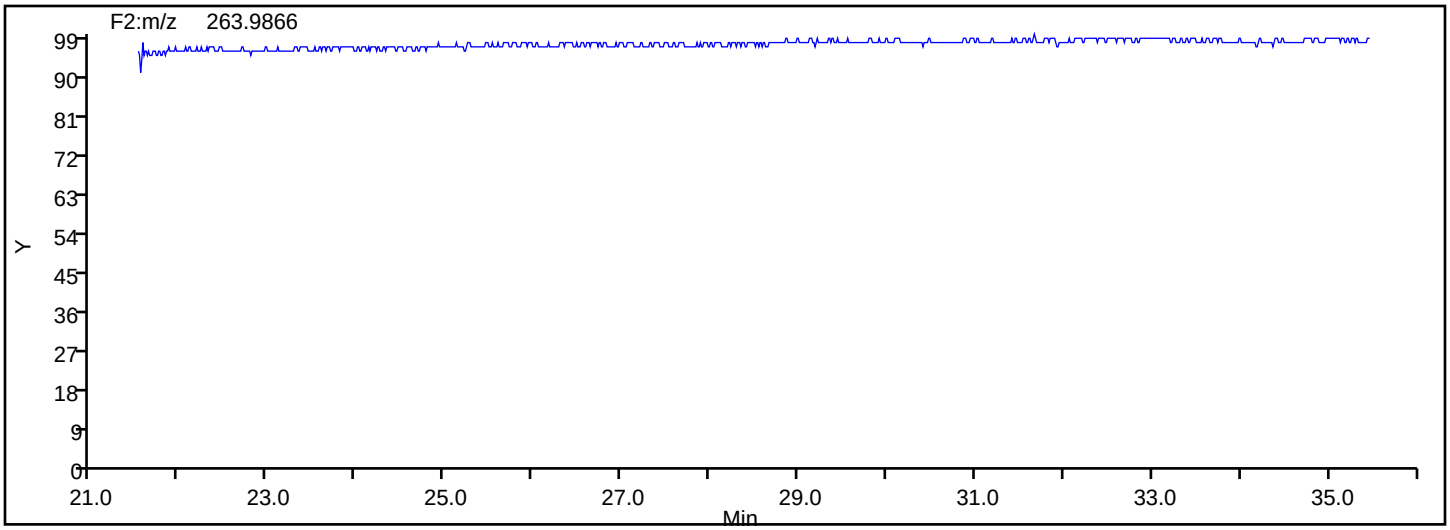
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

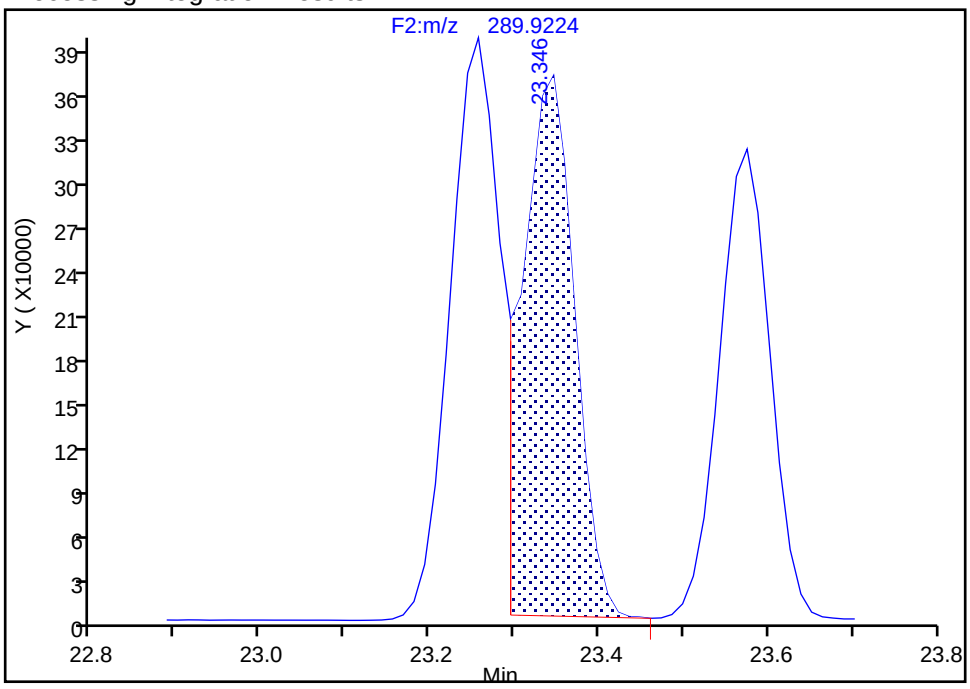
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

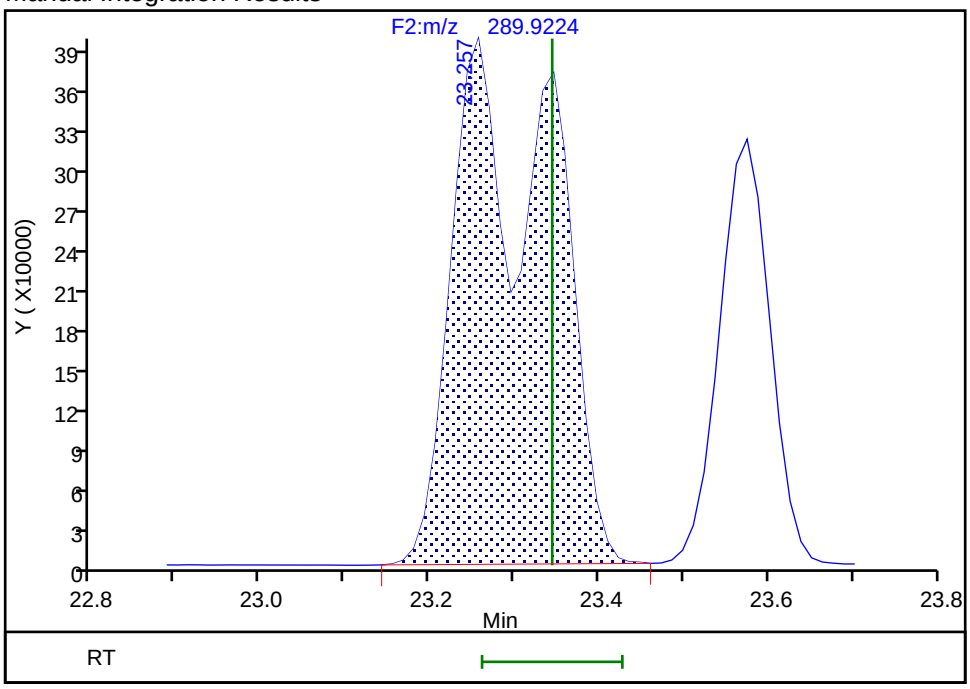
Processing Integration Results

RT: 23.35
Area: 1544075
Amount: 94.923280
Amount Units: pg/ul




Manual Integration Results

RT: 23.26
Area: 3156358
Amount: 194.6673
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:14:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

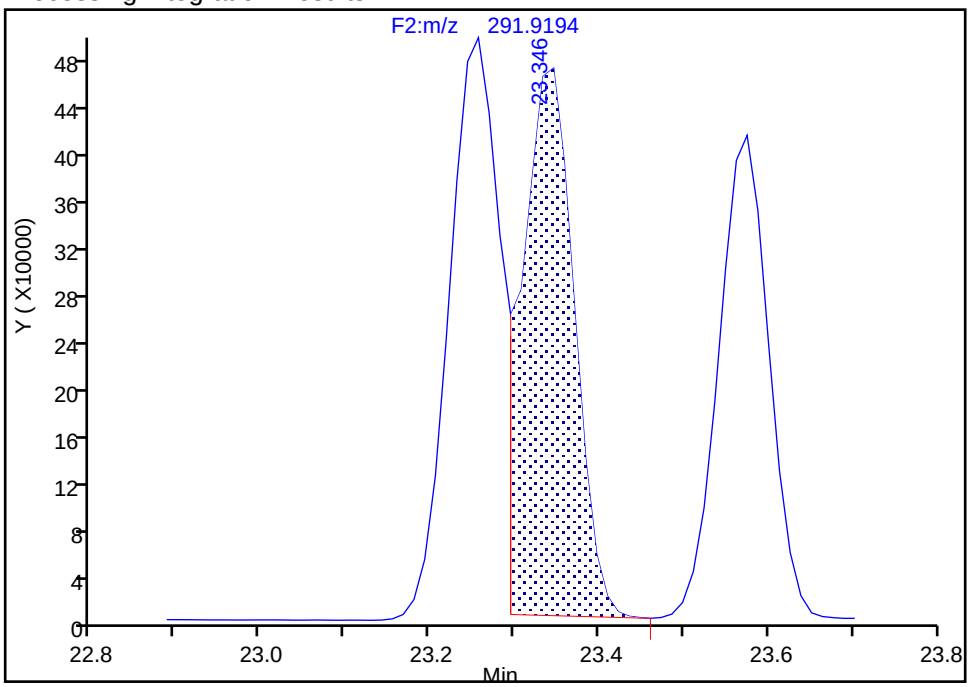
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

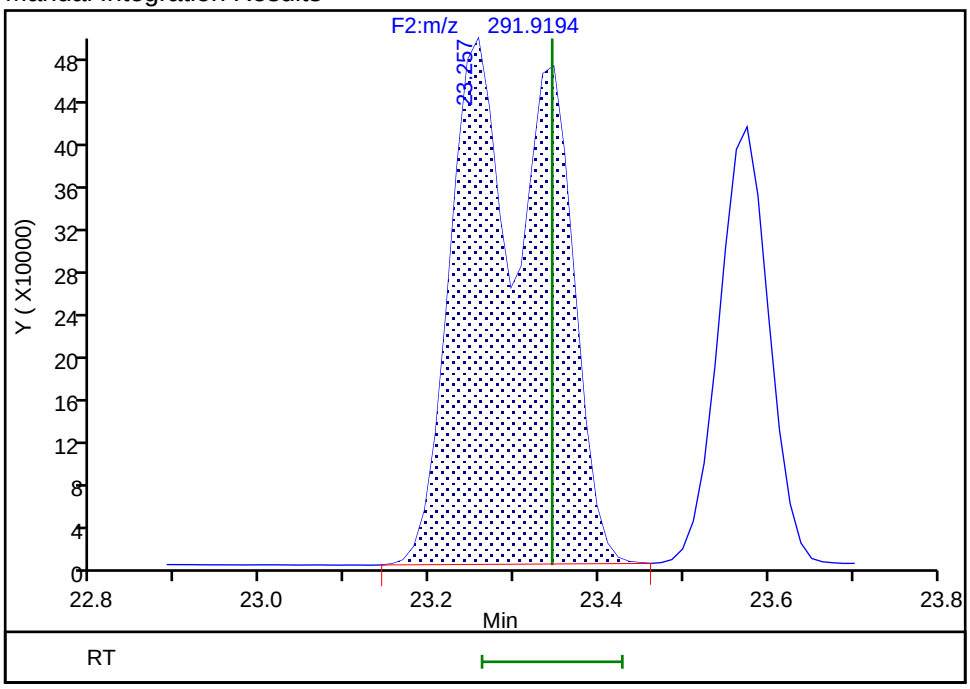
Processing Integration Results

RT: 23.35
Area: 1944208
Amount: 94.923280
Amount Units: pg/ul




Manual Integration Results

RT: 23.26
Area: 3997362
Amount: 194.6673
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:14:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

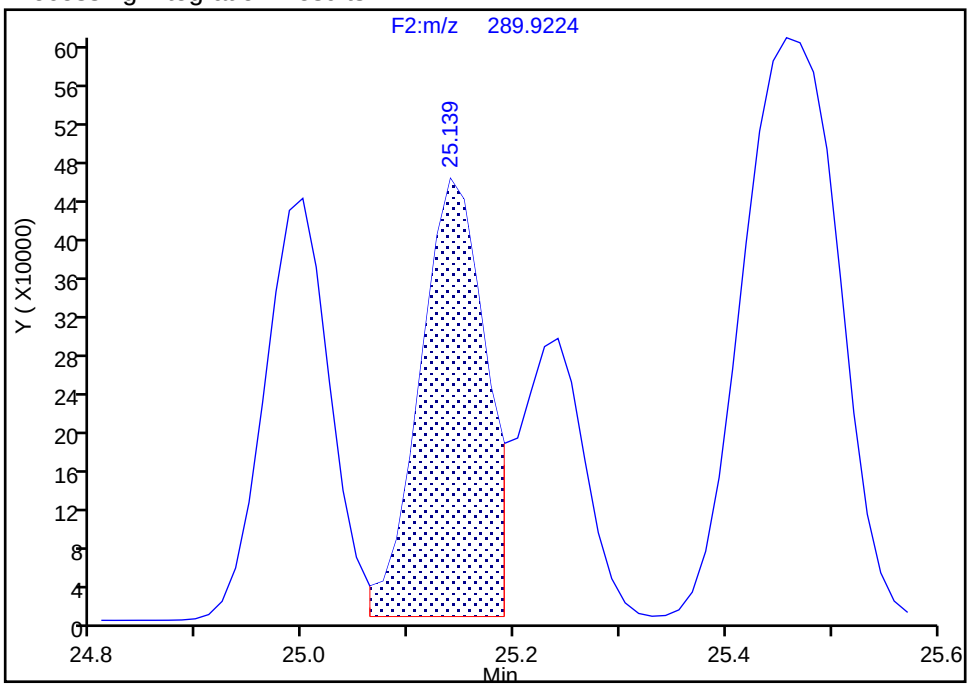
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

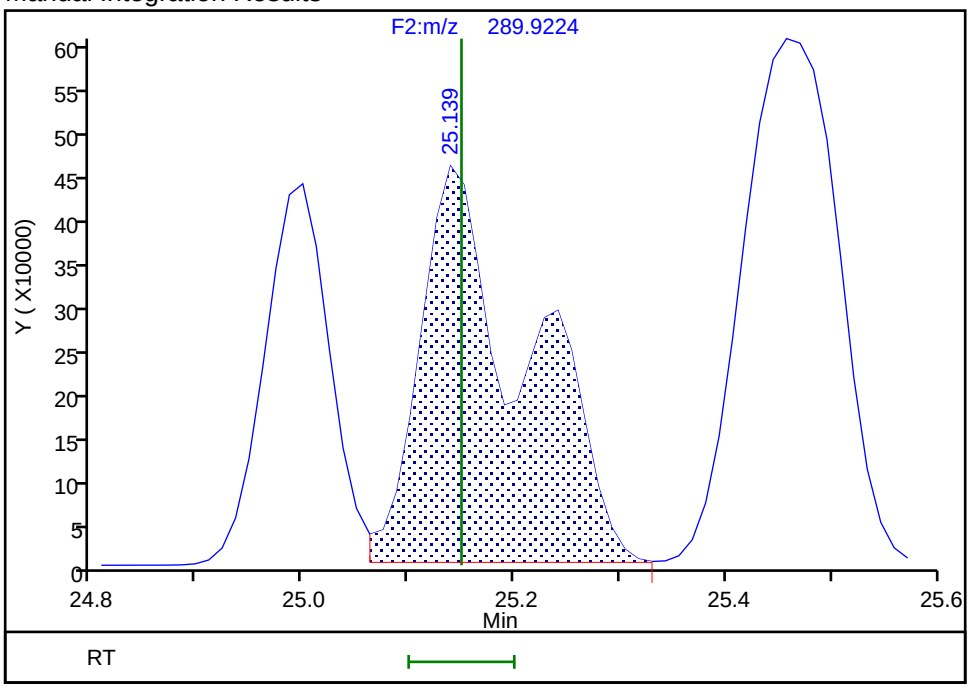
Processing Integration Results

RT: 25.14
Area: 1922934
Amount: 105.6761
Amount Units: pg/ul




Manual Integration Results

RT: 25.14
Area: 3168047
Amount: 173.5007
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:15:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

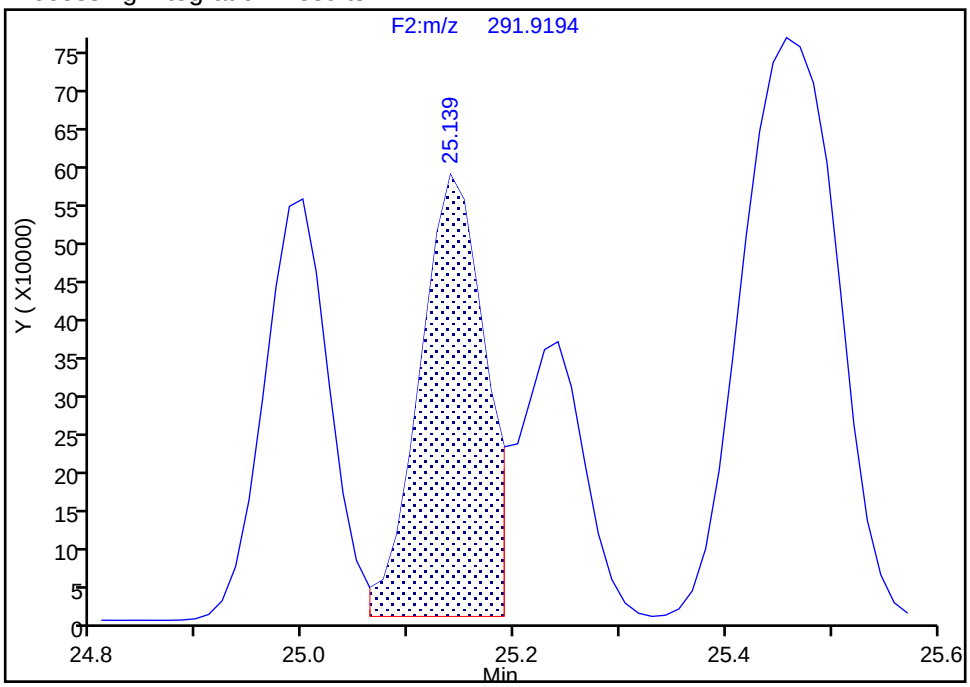
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

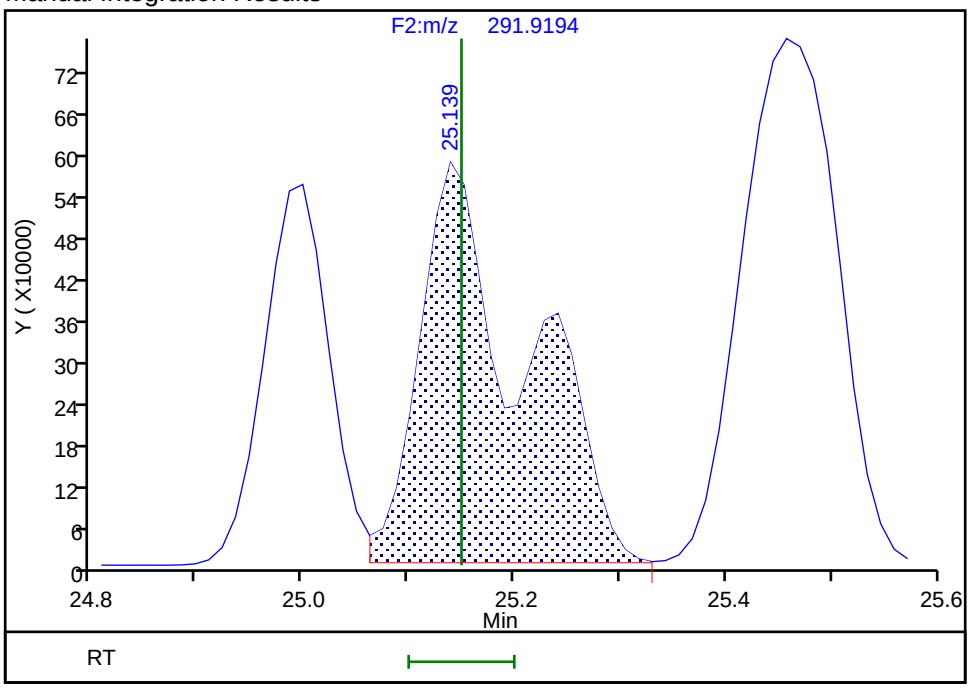
Processing Integration Results

RT: 25.14
Area: 2462117
Amount: 105.6761
Amount Units: pg/ul




Manual Integration Results

RT: 25.14
Area: 4031396
Amount: 173.5007
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:15:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

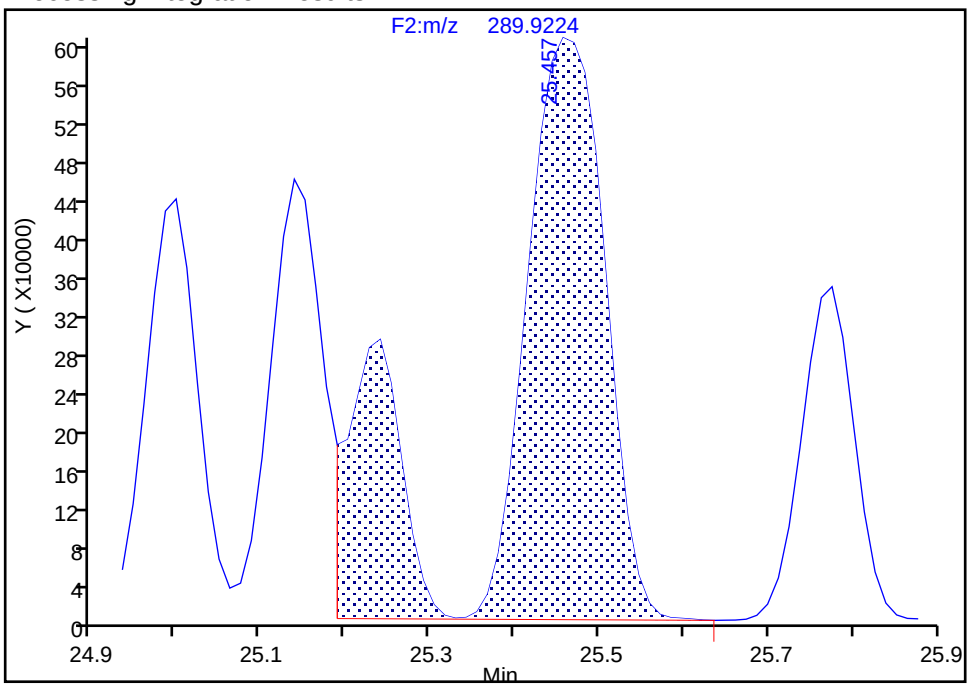
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 1

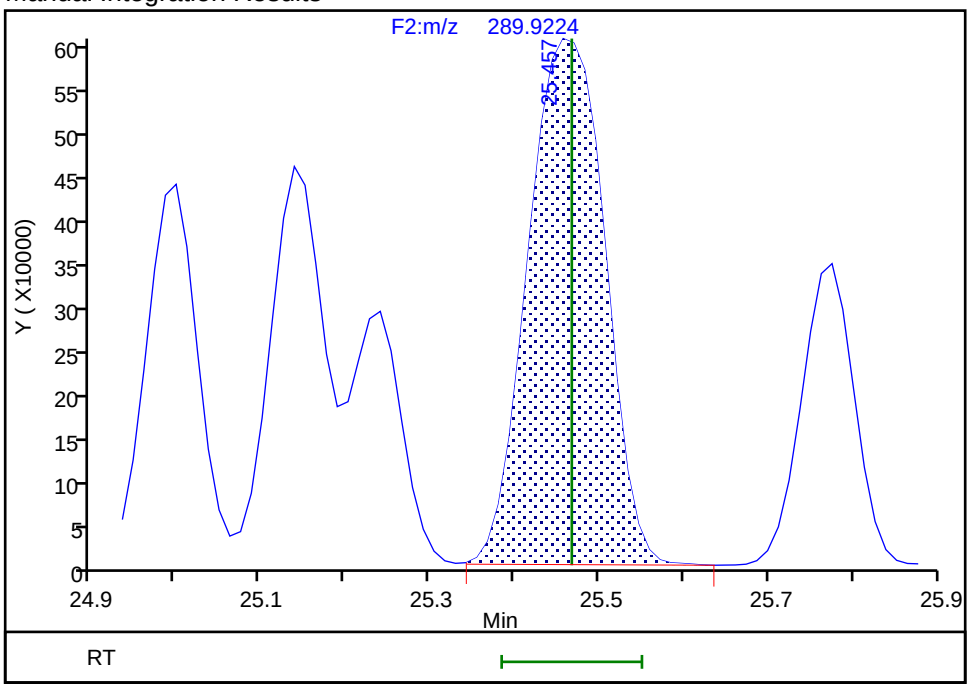
Processing Integration Results

RT: 25.46
Area: 5020072
Amount: 240.5519
Amount Units: pg/ul




Manual Integration Results

RT: 25.46
Area: 3782425
Amount: 181.5305
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:15:02

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

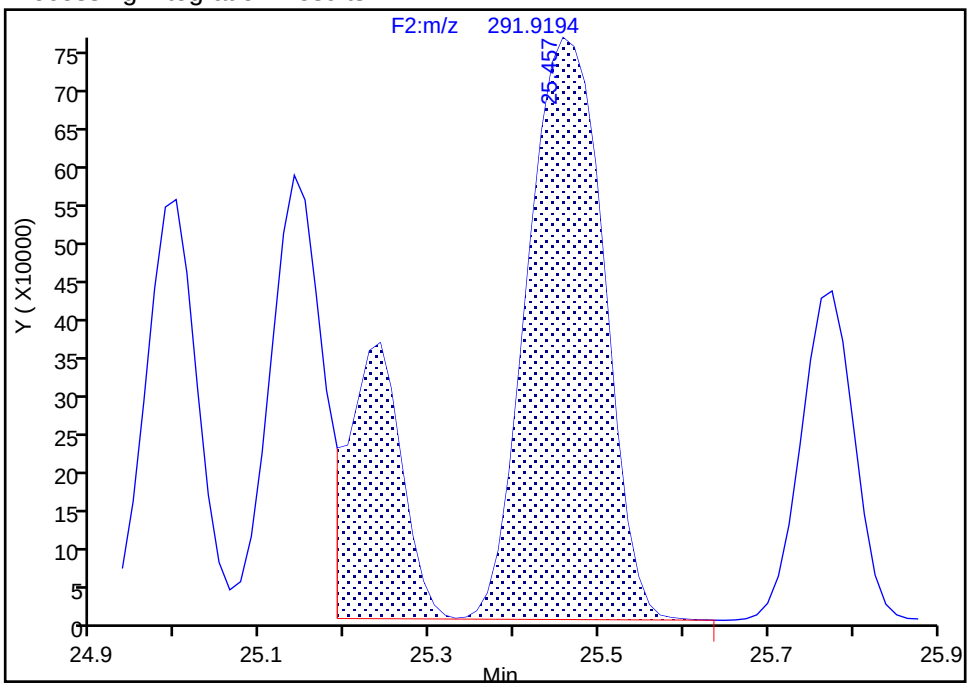
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 2

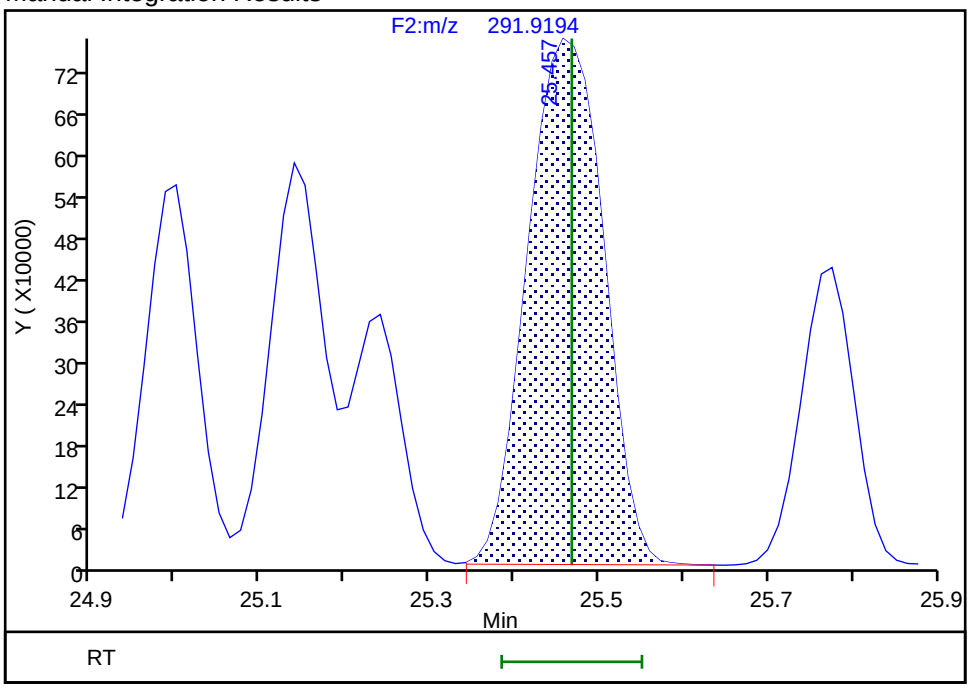
Processing Integration Results

RT: 25.46
Area: 6332466
Amount: 240.5519
Amount Units: pg/ul




Manual Integration Results

RT: 25.46
Area: 4784673
Amount: 181.5305
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:15:04
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

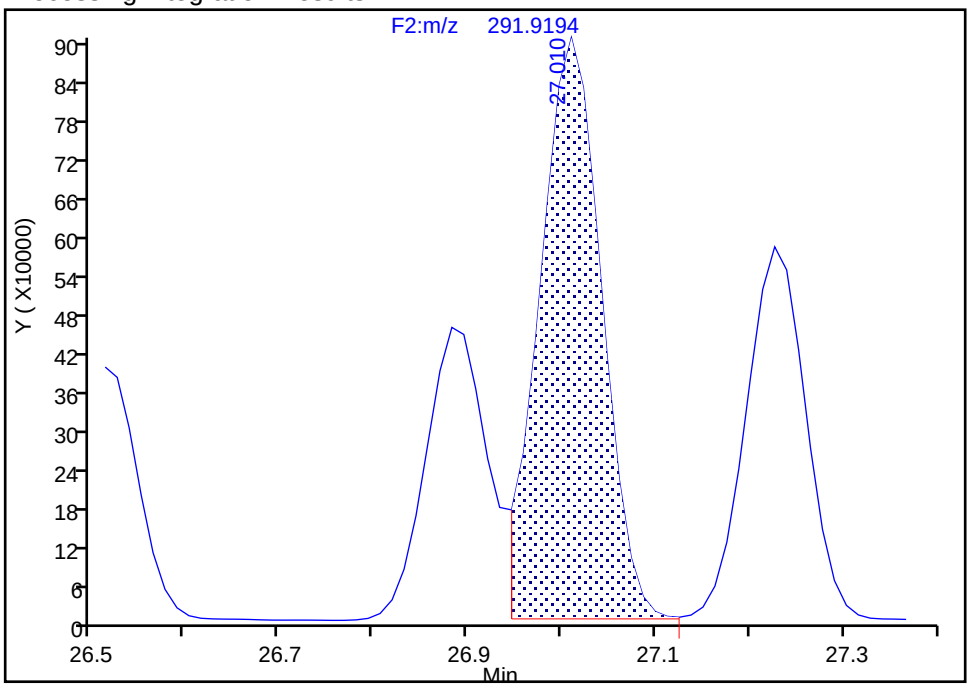
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

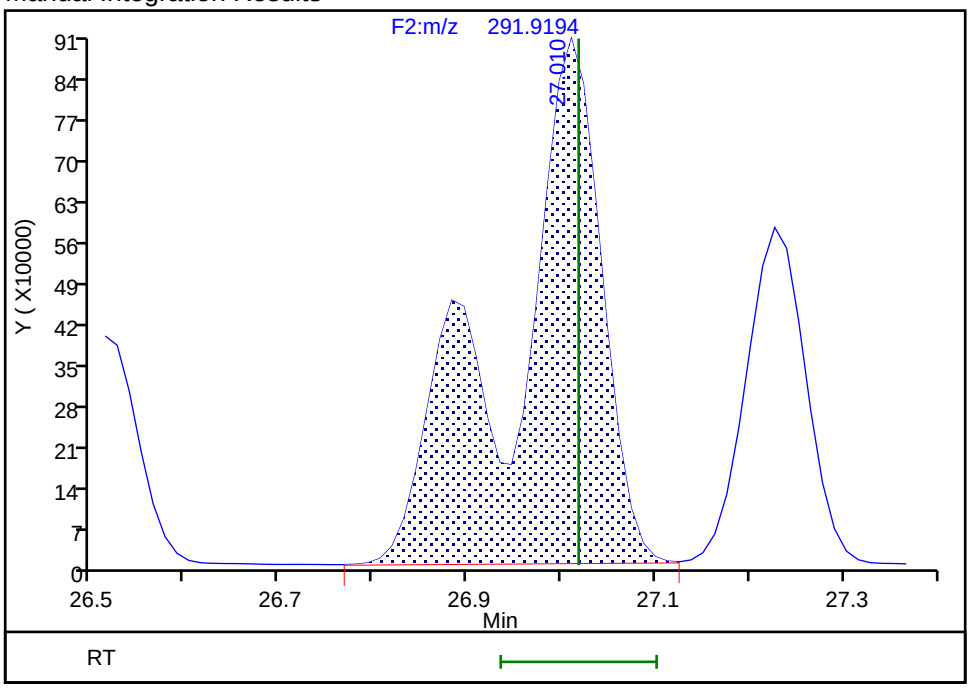
Processing Integration Results

RT: 27.01
Area: 4074749
Amount: 191.4731
Amount Units: pg/ul




Manual Integration Results

RT: 27.01
Area: 6137393
Amount: 287.2906
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:15:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

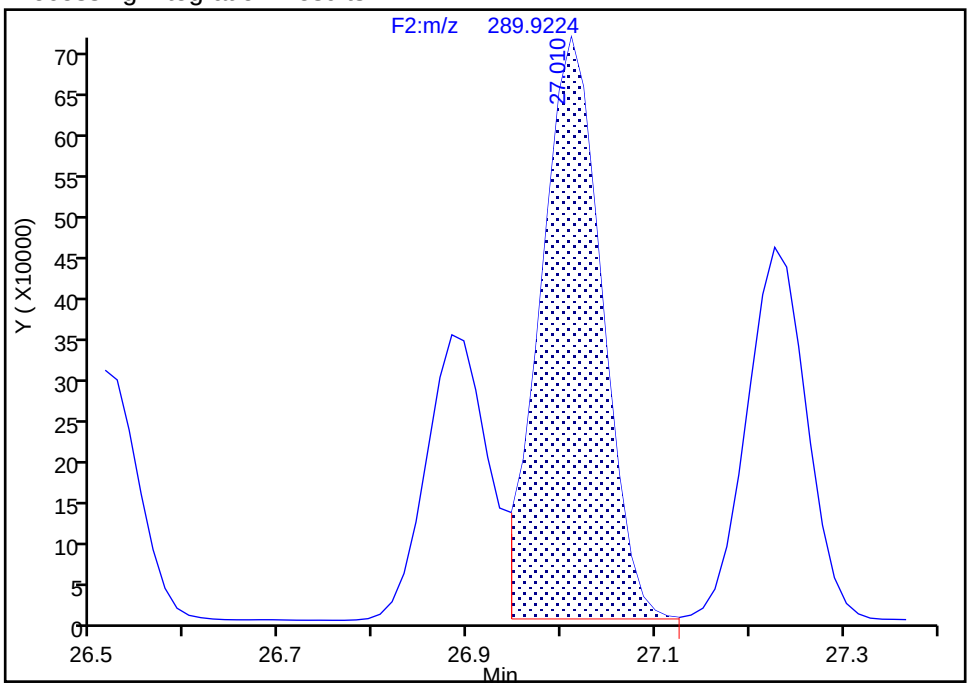
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 1

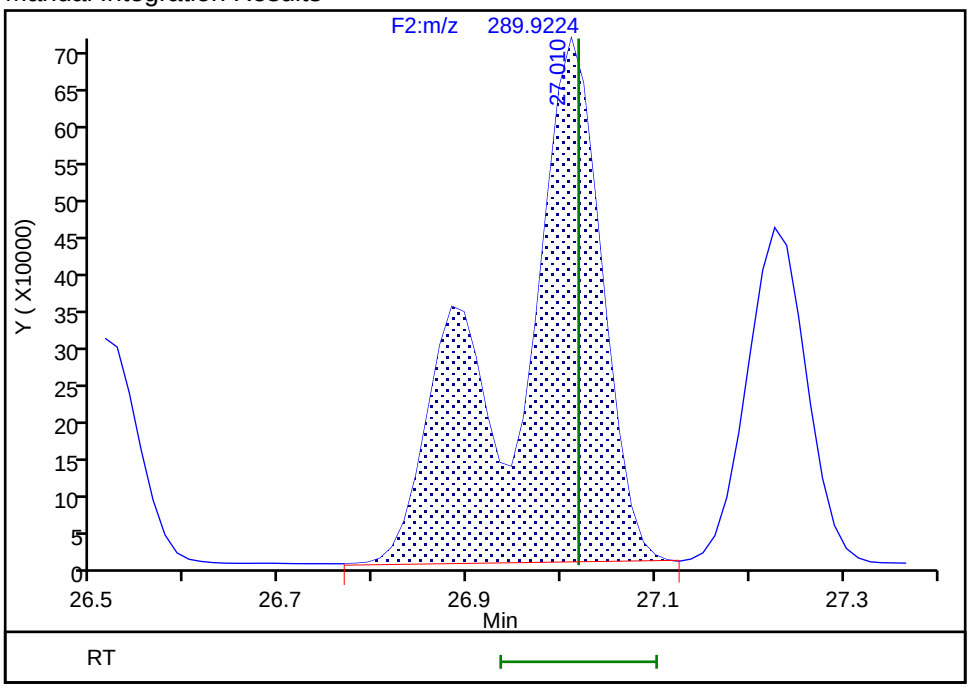
Processing Integration Results

RT: 27.01
Area: 3222920
Amount: 191.4731
Amount Units: pg/ul




Manual Integration Results

RT: 27.01
Area: 4812196
Amount: 287.2906
Amount Units: pg/ul

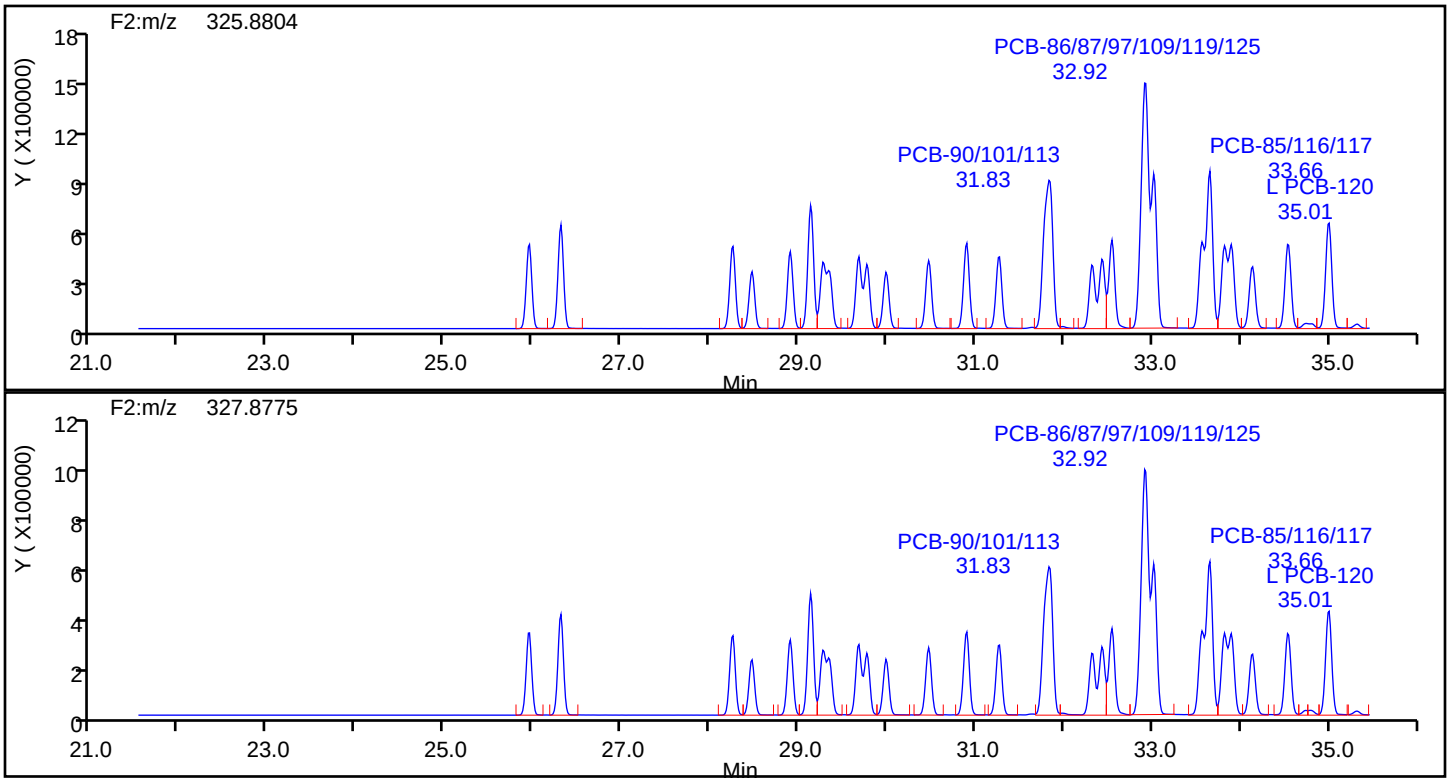



Reviewer: davidsonm, 23-Aug-2019 12:15:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

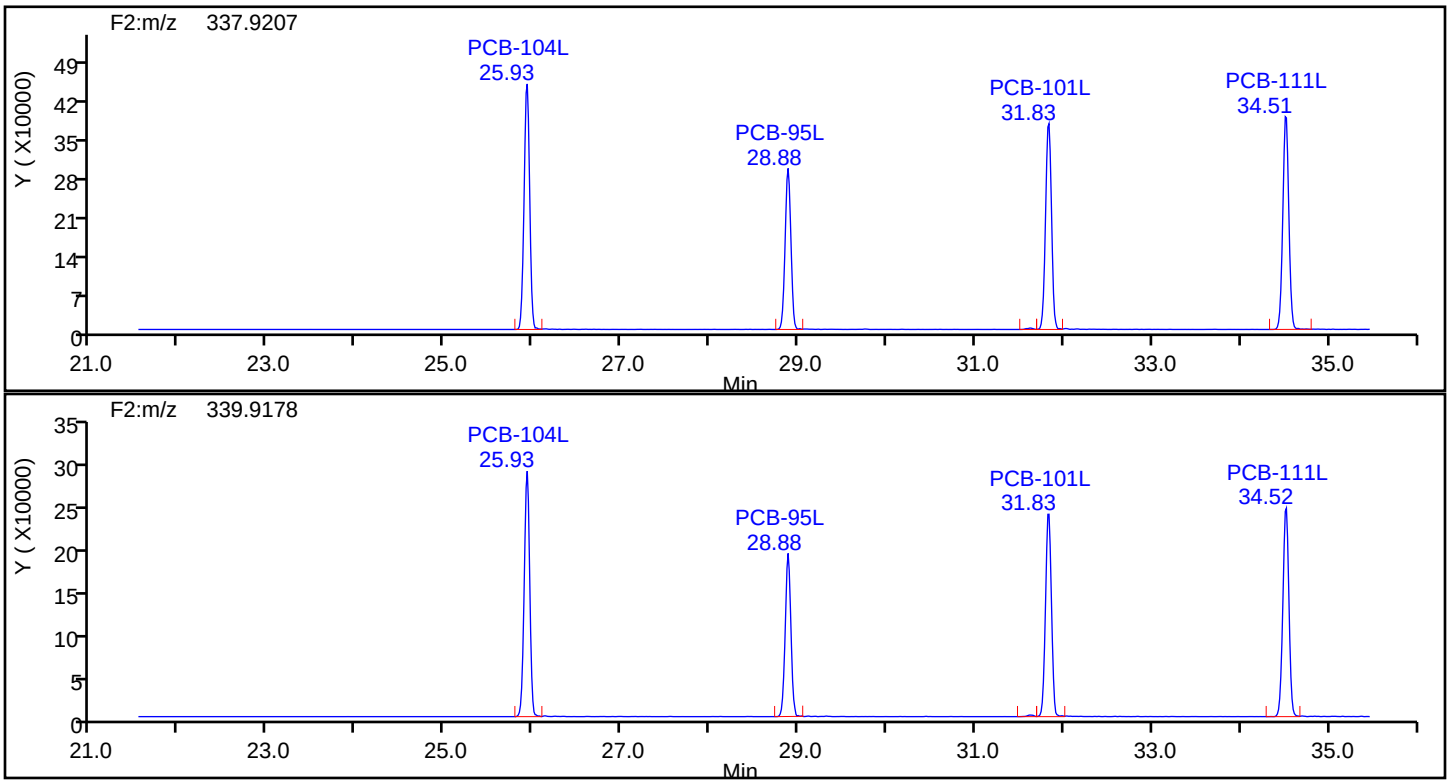
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



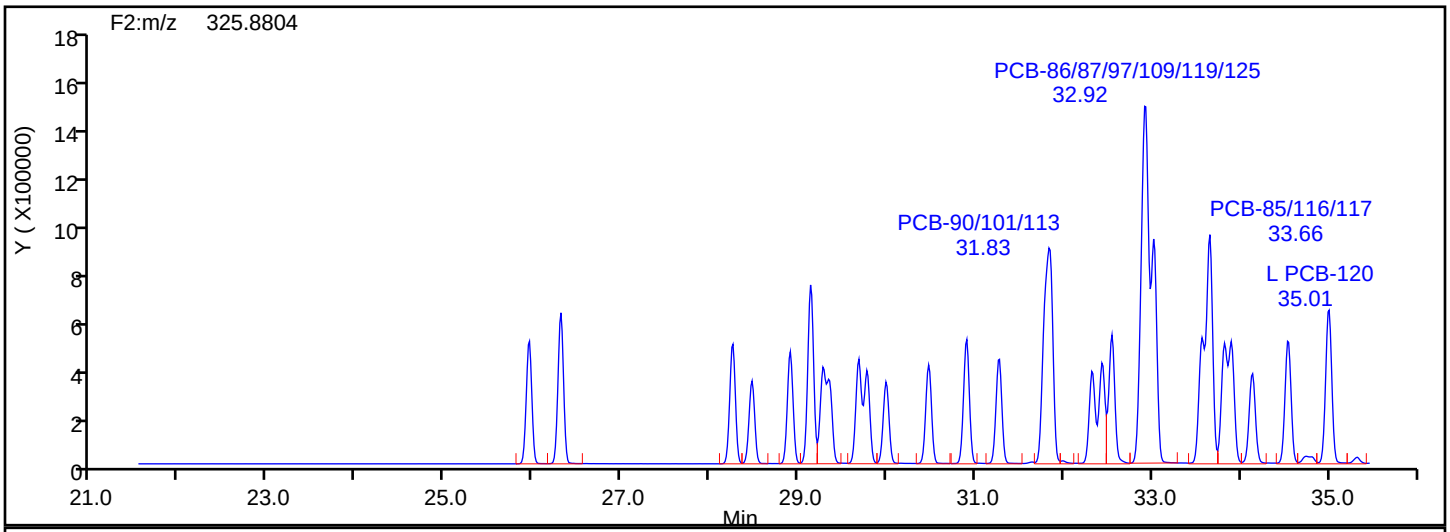

PePCB F2 Standards

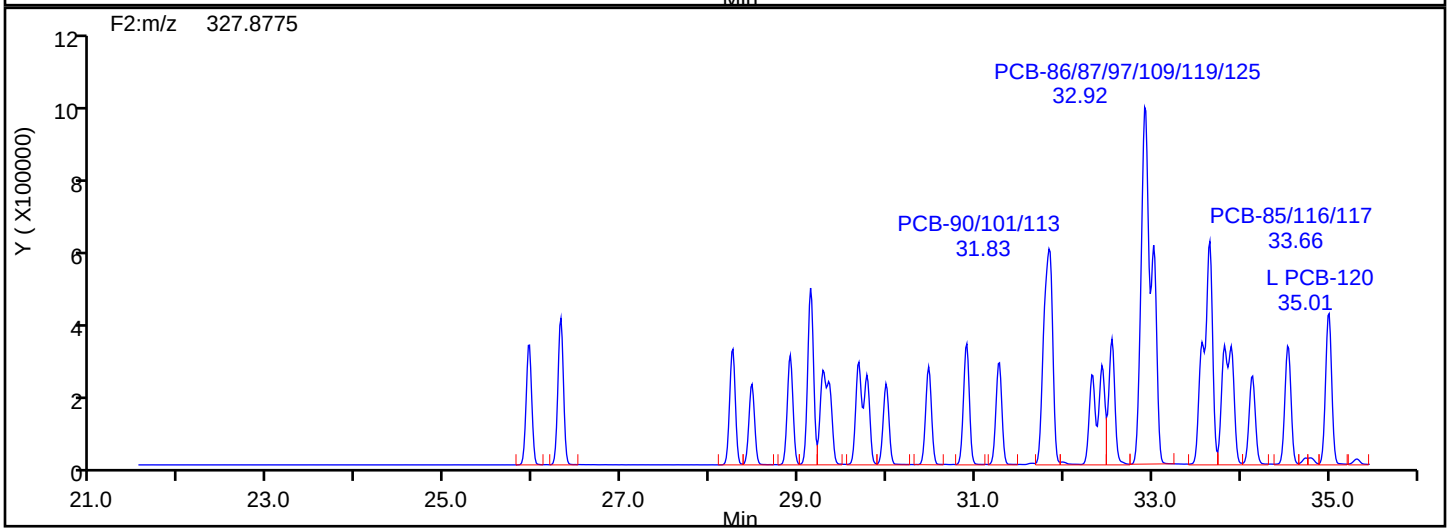


Eurofins TestAmerica, Knoxville

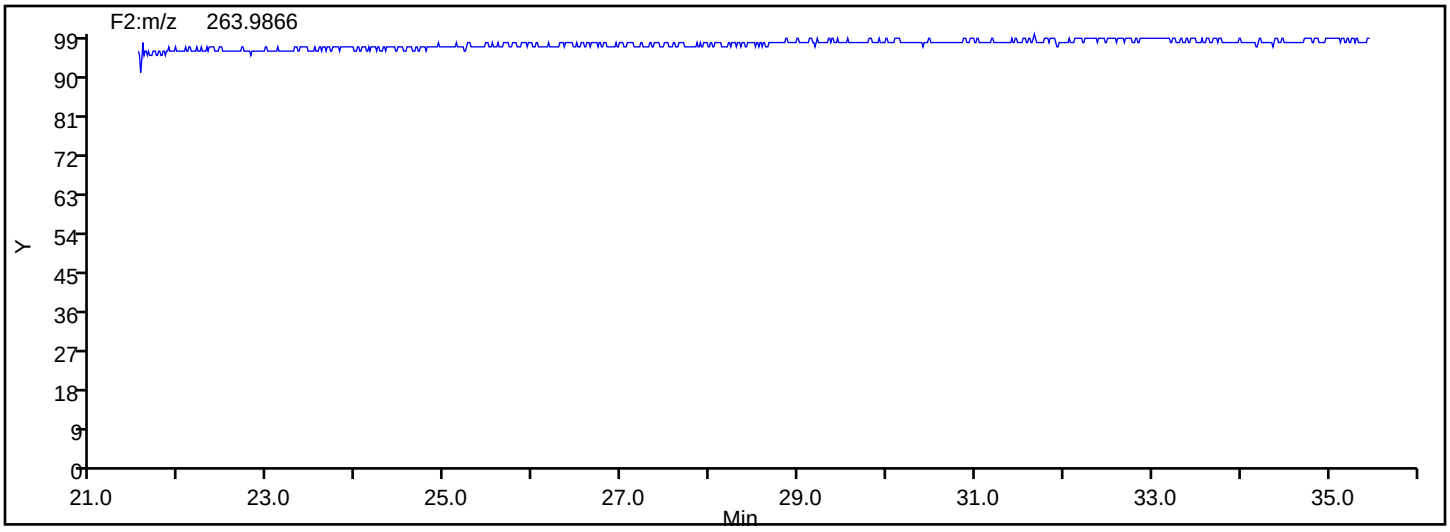
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

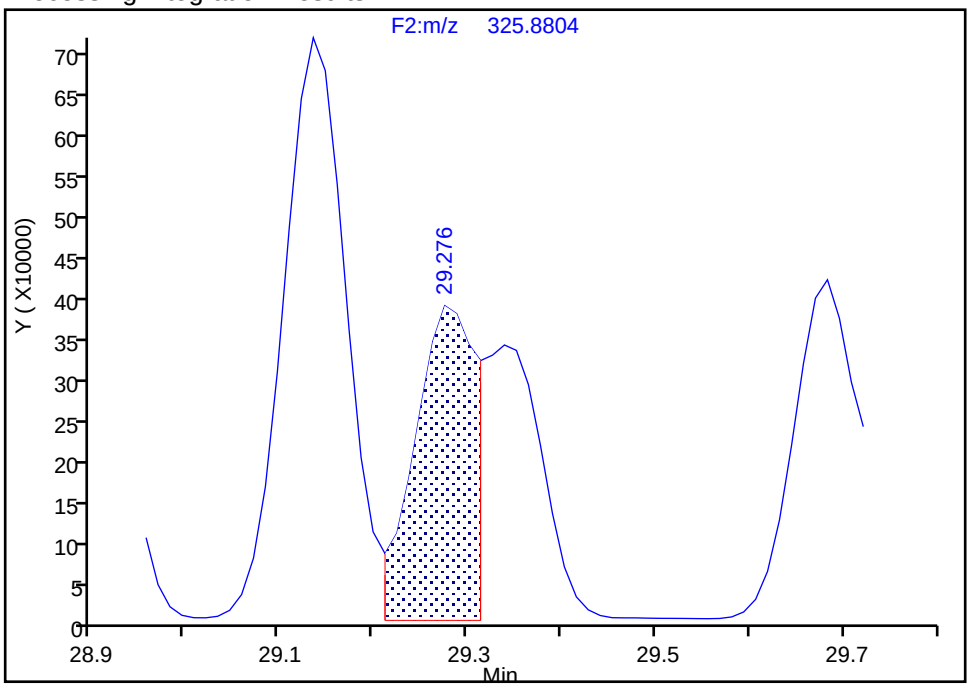
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

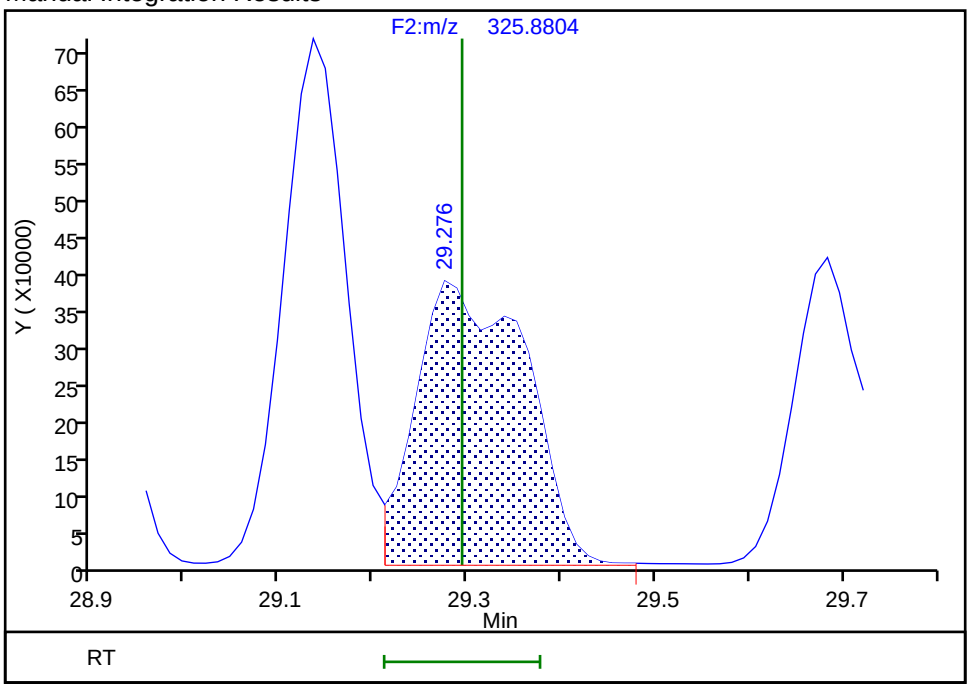
Processing Integration Results

RT: 29.28
Area: 1662276
Amount: 85.880529
Amount Units: pg/ul




Manual Integration Results

RT: 29.28
Area: 3110574
Amount: 160.1299
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:16:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

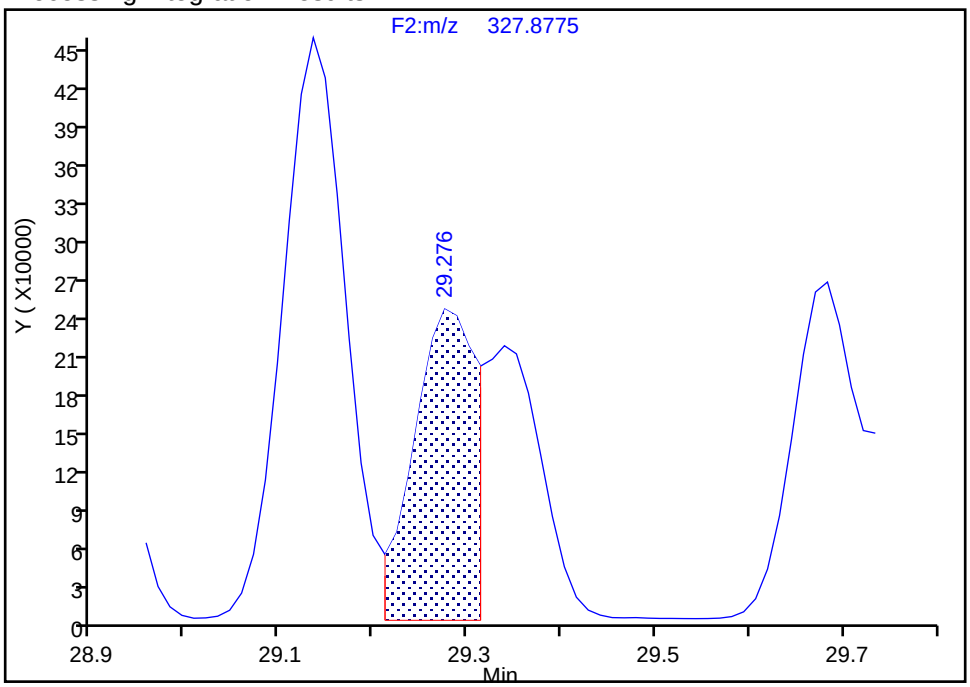
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

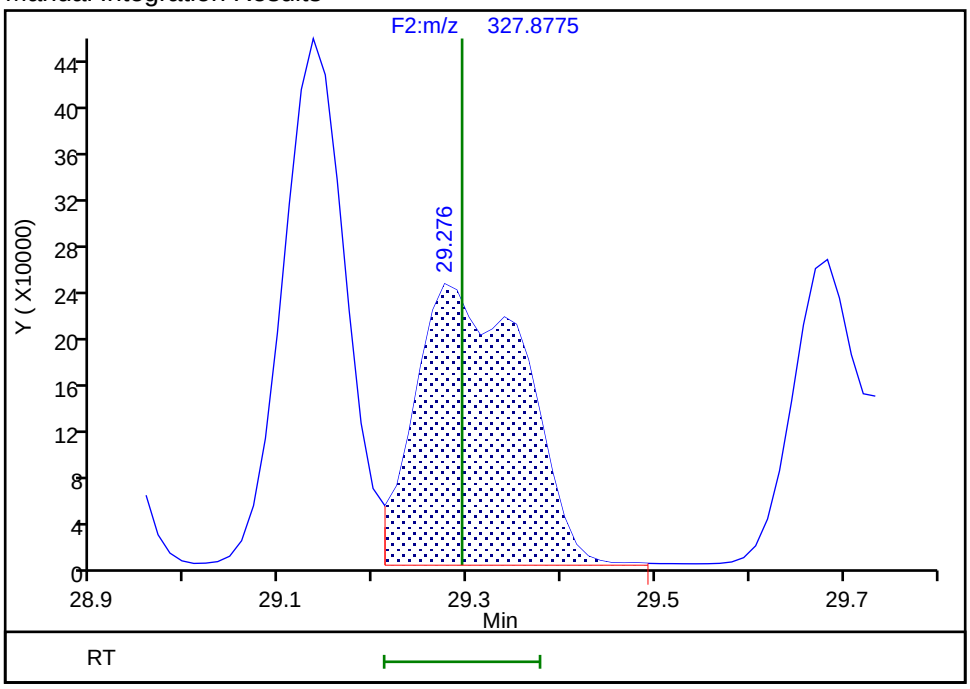
Processing Integration Results

RT: 29.28
Area: 1063621
Amount: 85.880529
Amount Units: pg/ul




Manual Integration Results

RT: 29.28
Area: 1972041
Amount: 160.1299
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:16:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

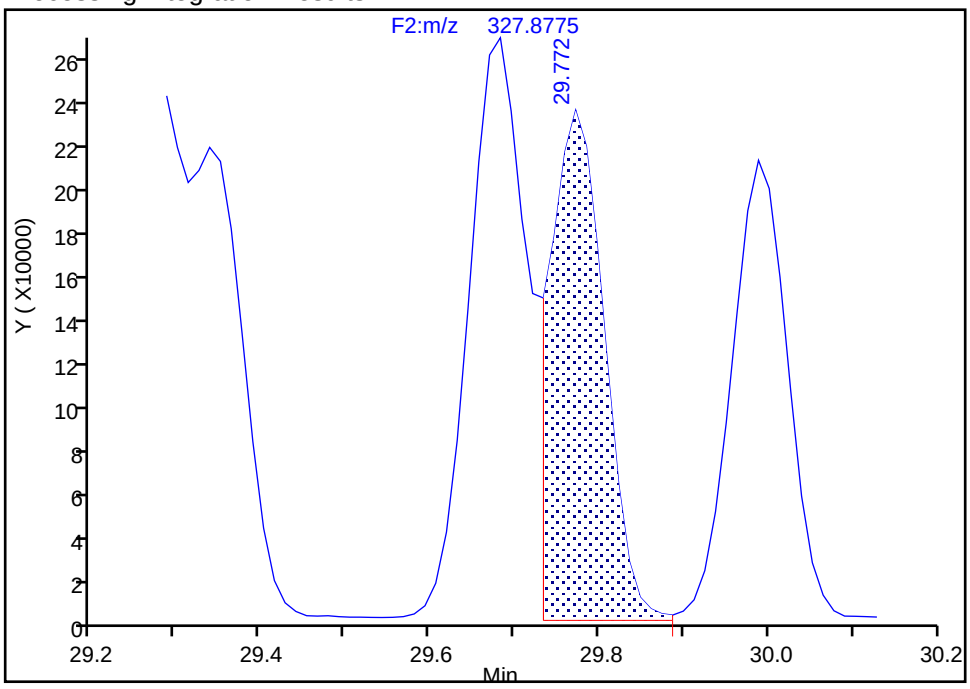
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 2

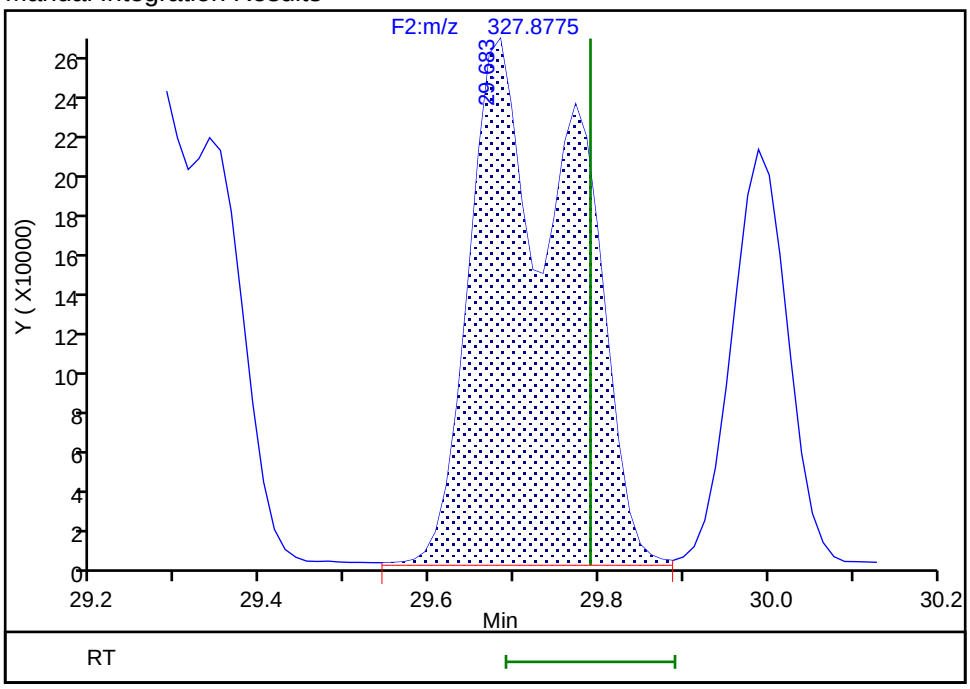
Processing Integration Results

RT: 29.77
Area: 989061
Amount: 80.206850
Amount Units: pg/ul




Manual Integration Results

RT: 29.68
Area: 2251464
Amount: 180.1410
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:17:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

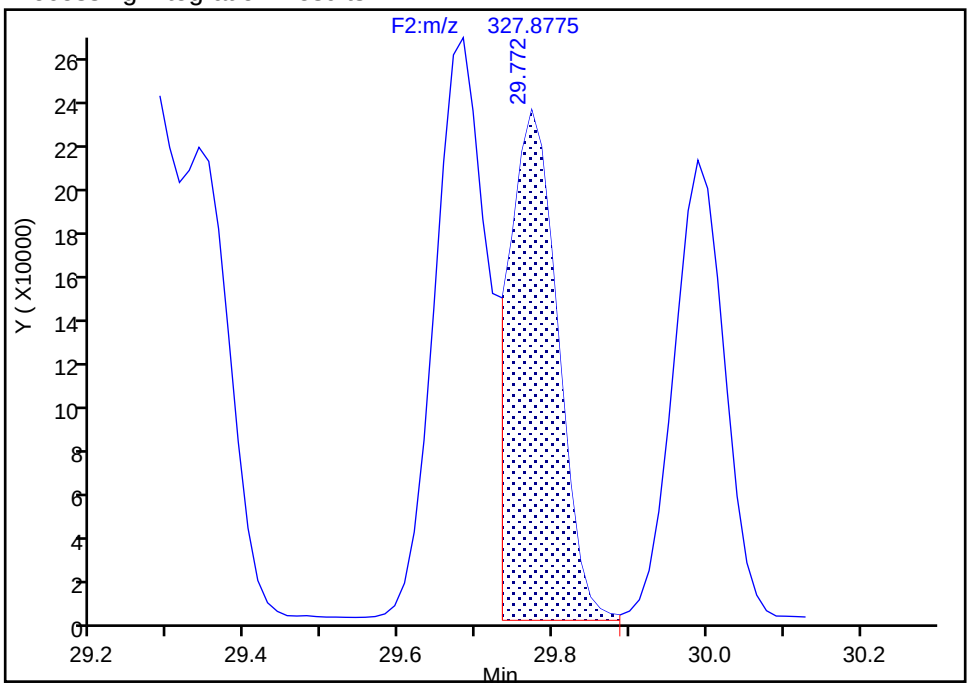
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 3

Processing Integration Results

RT: 29.77
Area: 2588080
Amount: 80.206850
Amount Units: pg/ul




Manual Integration Results

RT: 29.68
Area: 5812713
Amount: 180.1410
Amount Units: pg/ul
Reviewer: davidsonm, 23-Aug-2019 12:17:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

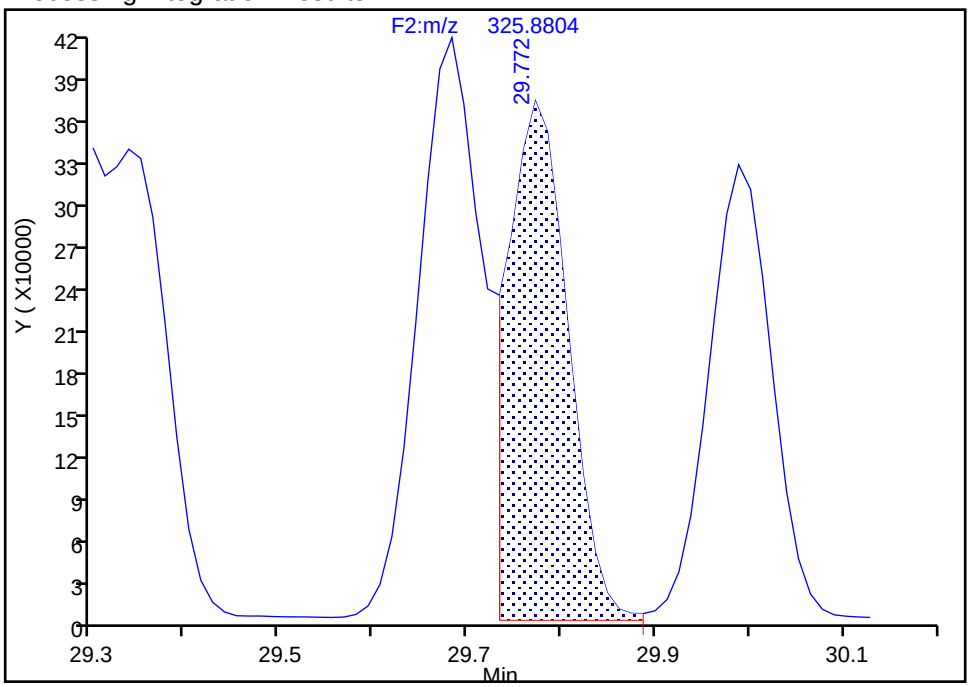
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 1

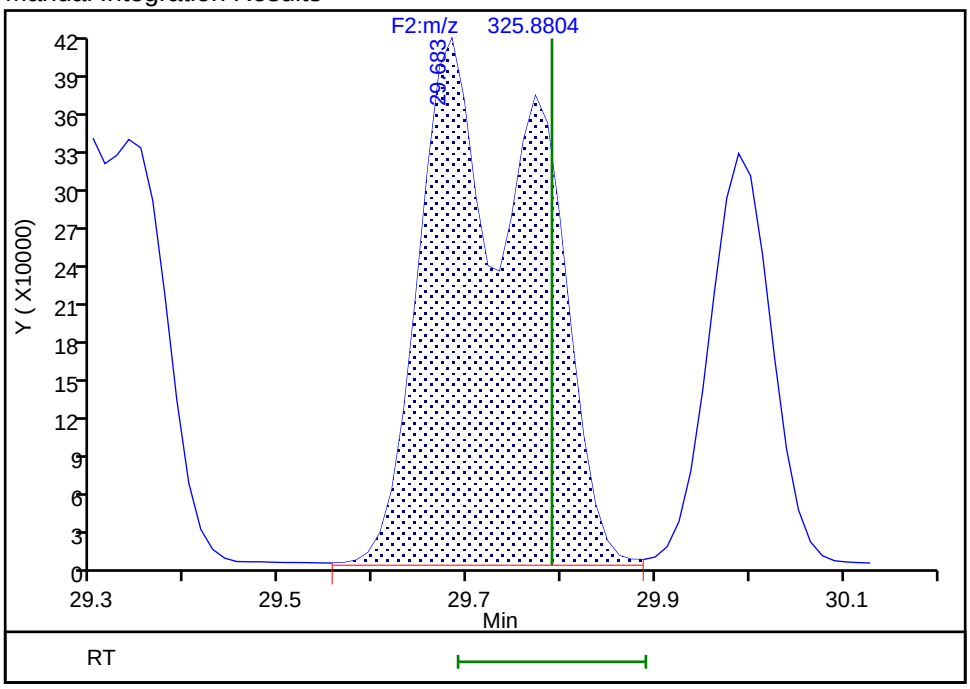
Processing Integration Results

RT: 29.77
Area: 1599019
Amount: 80.206850
Amount Units: pg/ul




Manual Integration Results

RT: 29.68
Area: 3561249
Amount: 180.1410
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:17:50
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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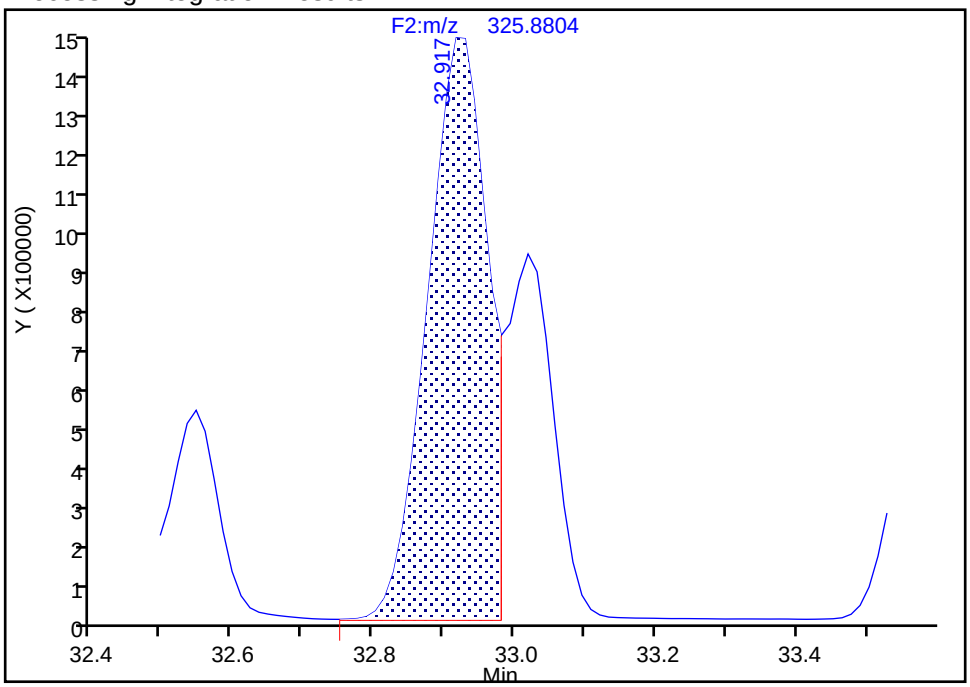
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

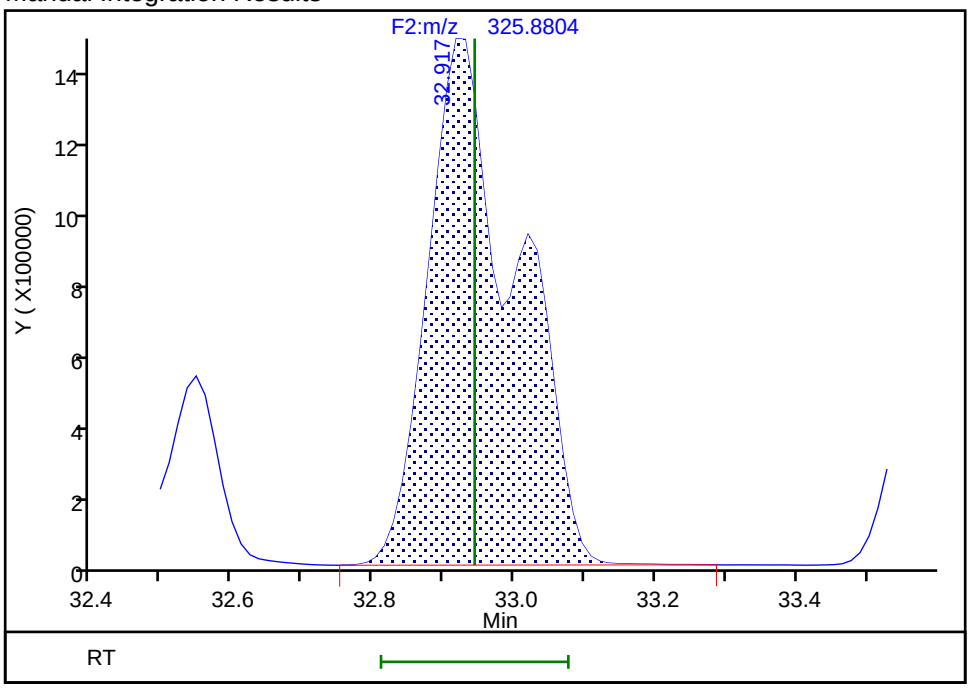
Processing Integration Results

RT: 32.92
Area: 8341502
Amount: 356.2115
Amount Units: pg/ul




Manual Integration Results

RT: 32.92
Area: 12366505
Amount: 526.4368
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:17:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

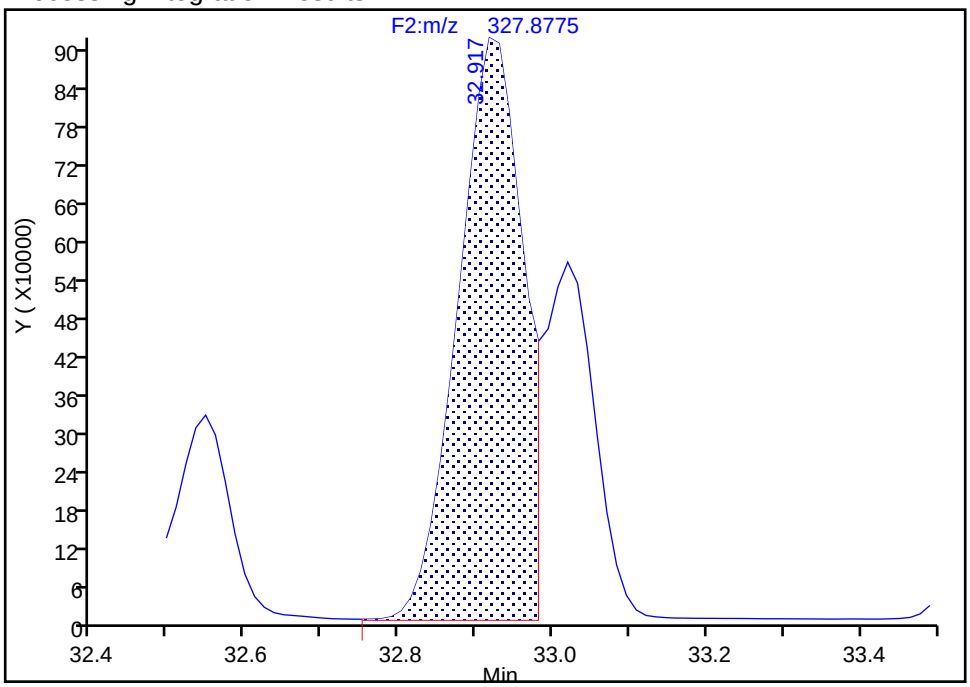
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

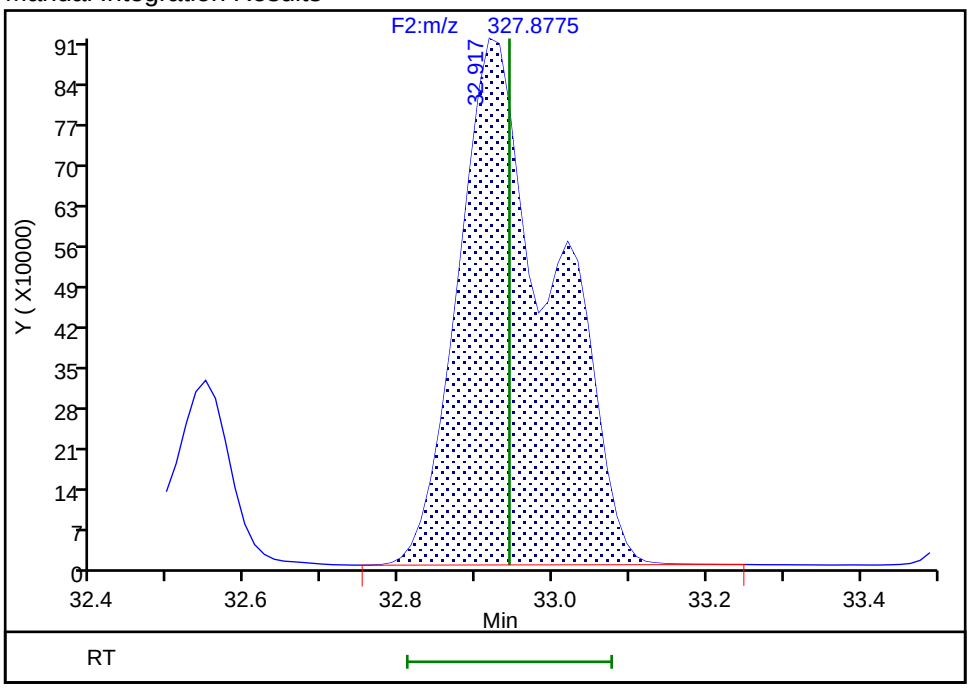
Processing Integration Results

RT: 32.92
Area: 5331335
Amount: 356.2115
Amount Units: pg/ul




Manual Integration Results

RT: 32.92
Area: 7840267
Amount: 526.4368
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:17:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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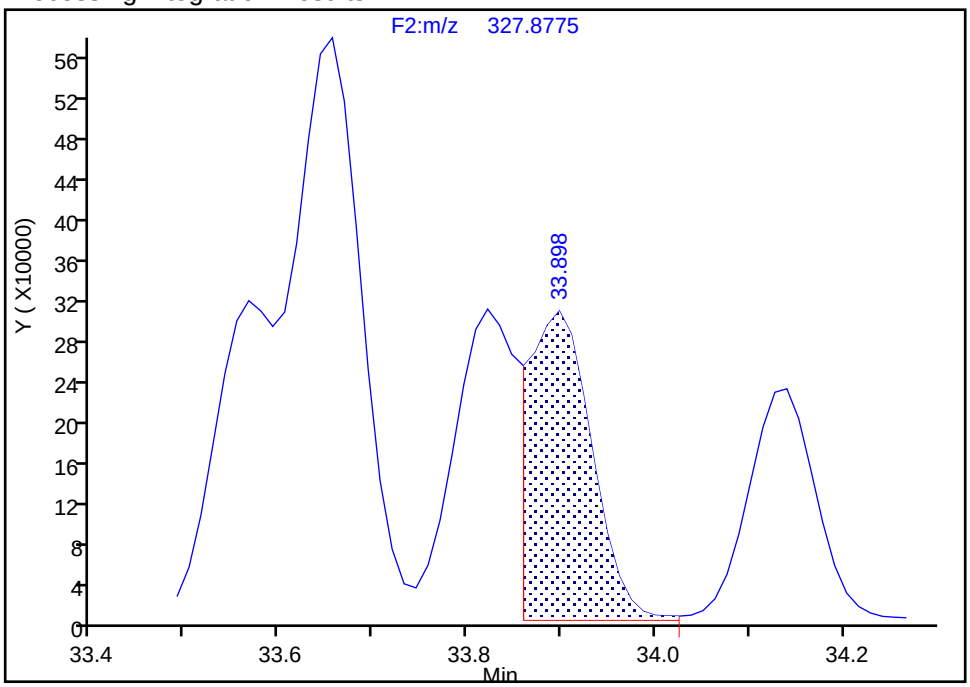
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 2

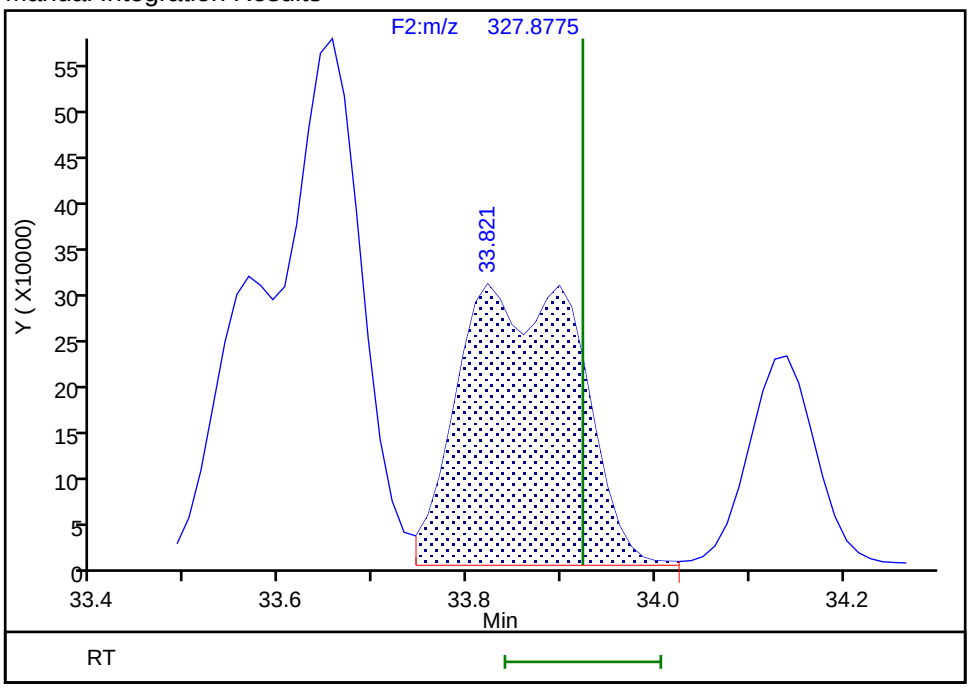
Processing Integration Results

RT: 33.90
Area: 1382357
Amount: 133.3129
Amount Units: pg/ul




Manual Integration Results

RT: 33.82
Area: 2779752
Amount: 165.5335
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:18:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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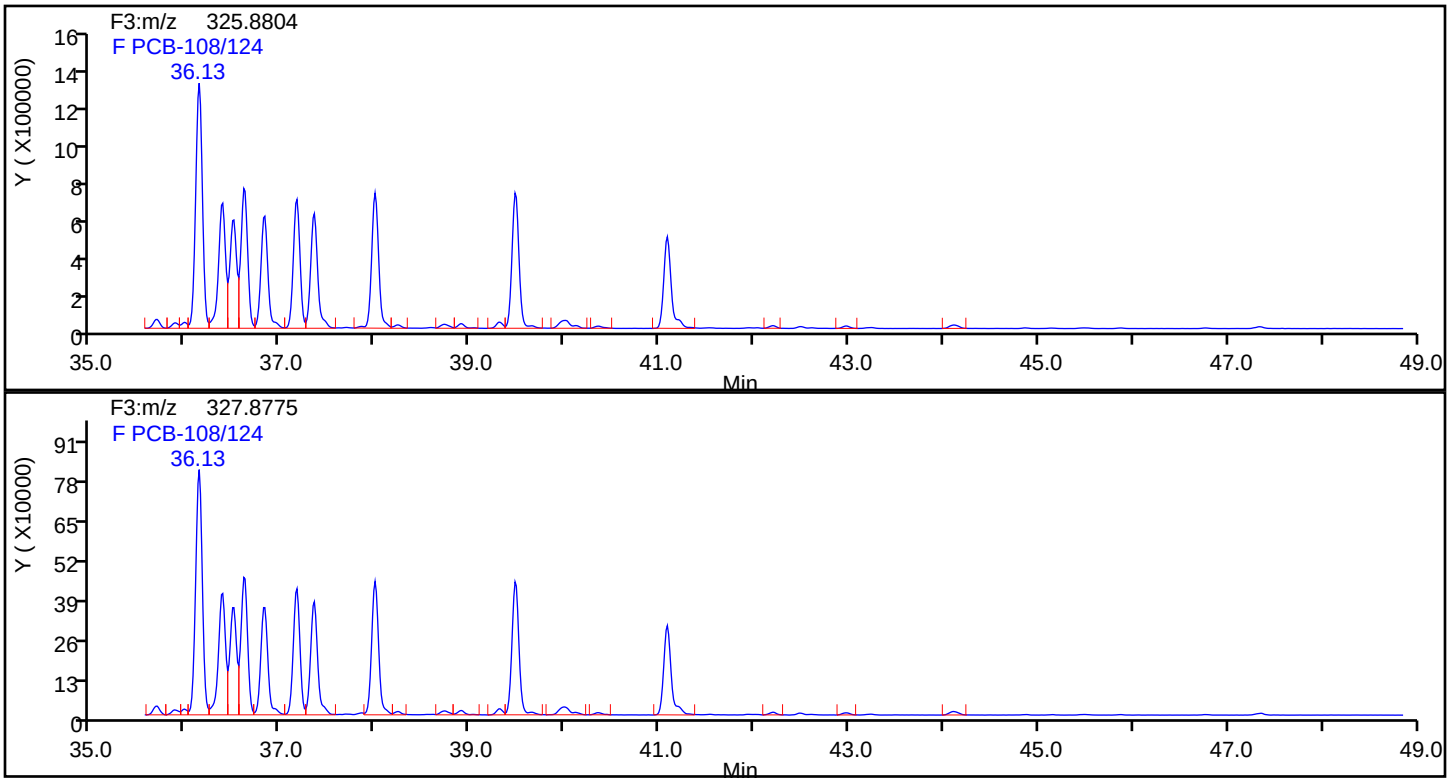
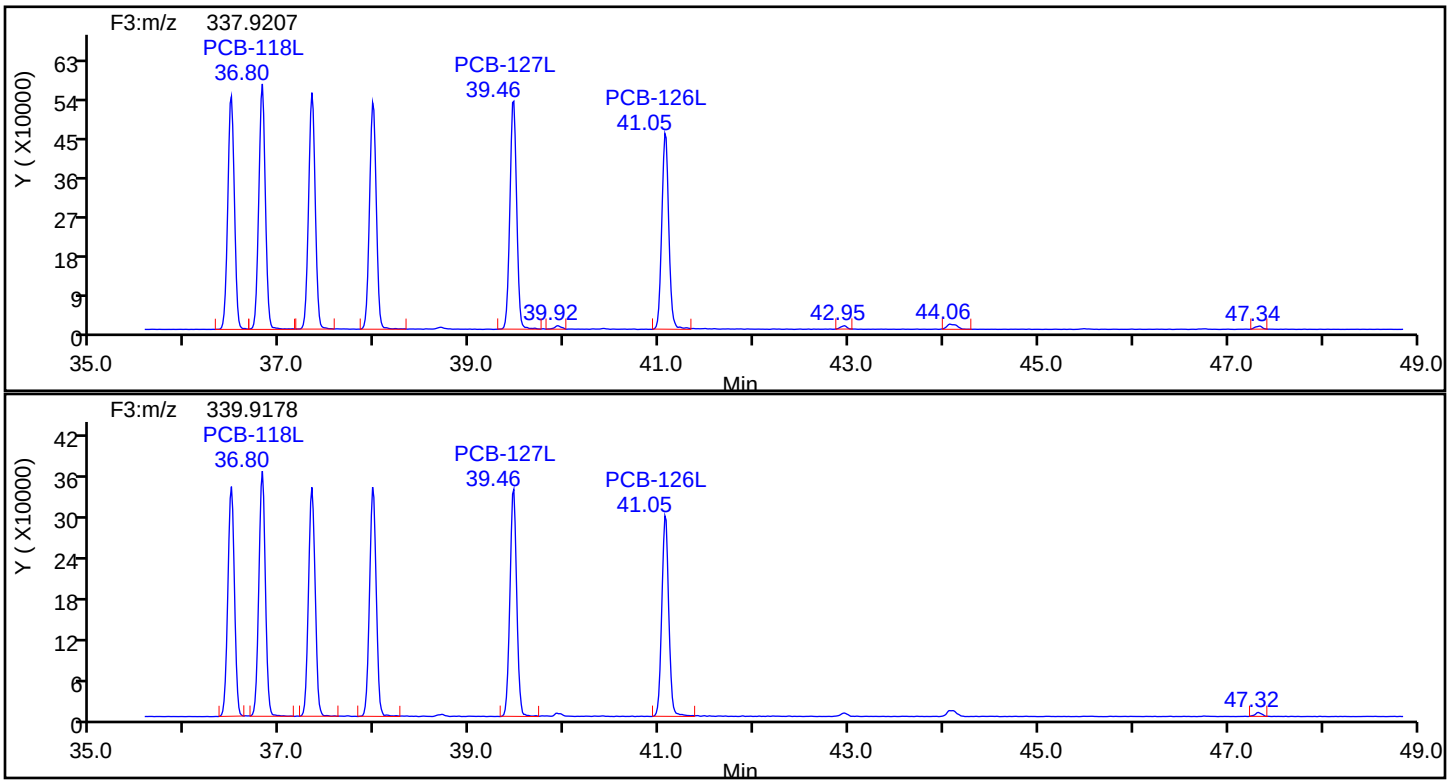
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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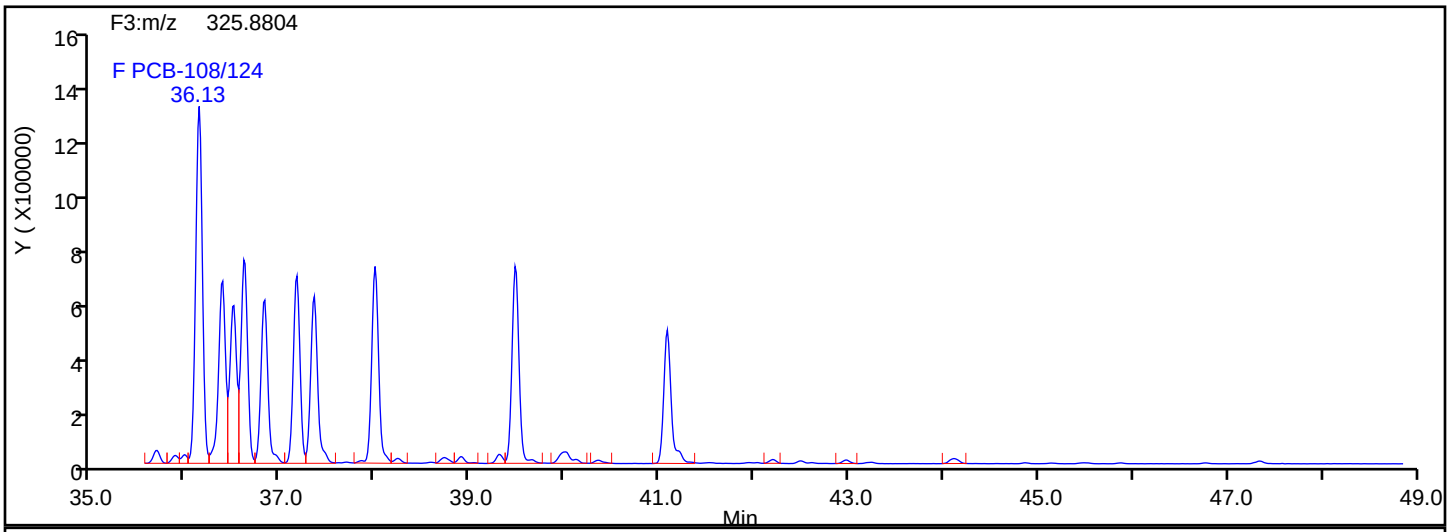
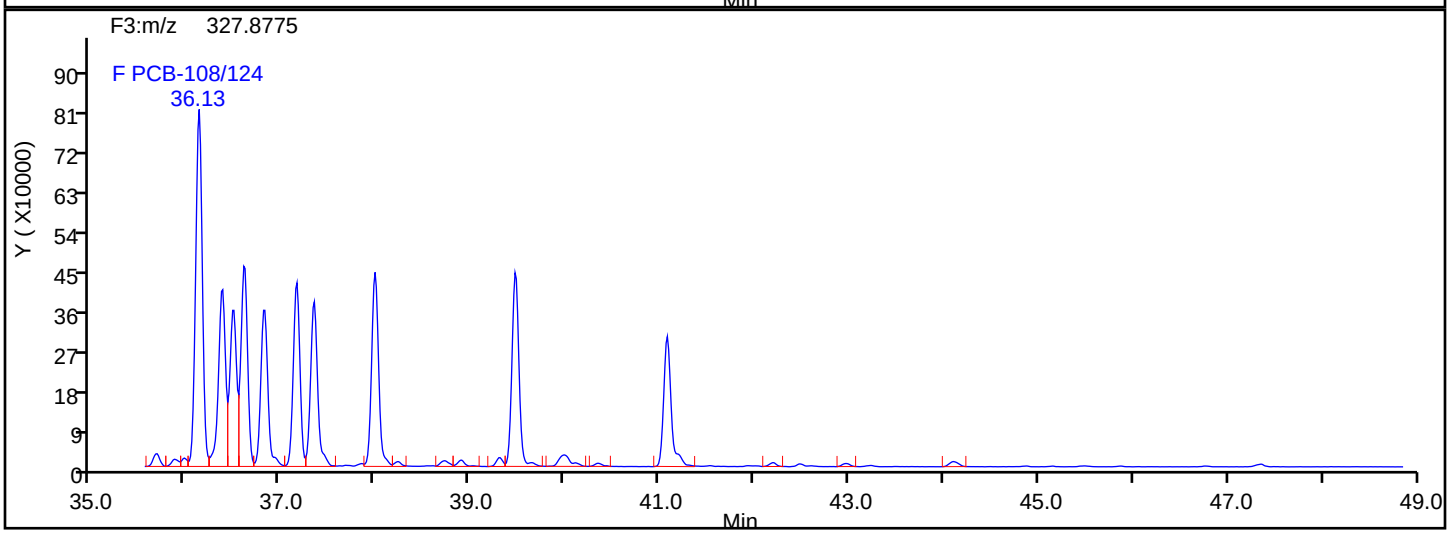
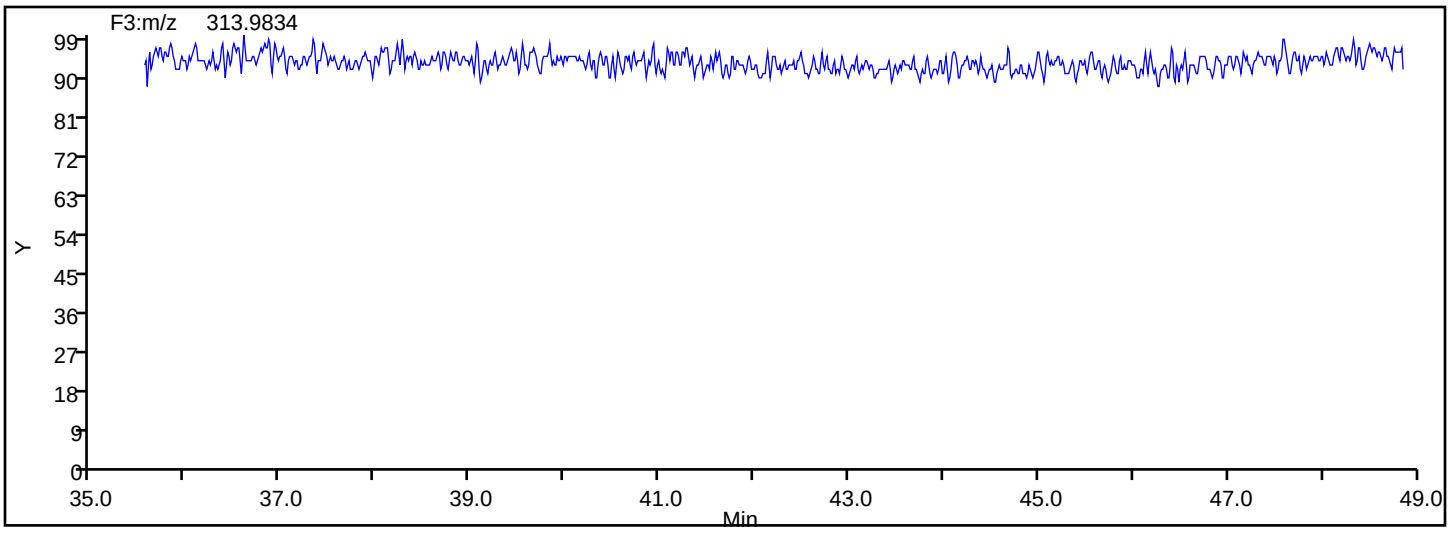
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



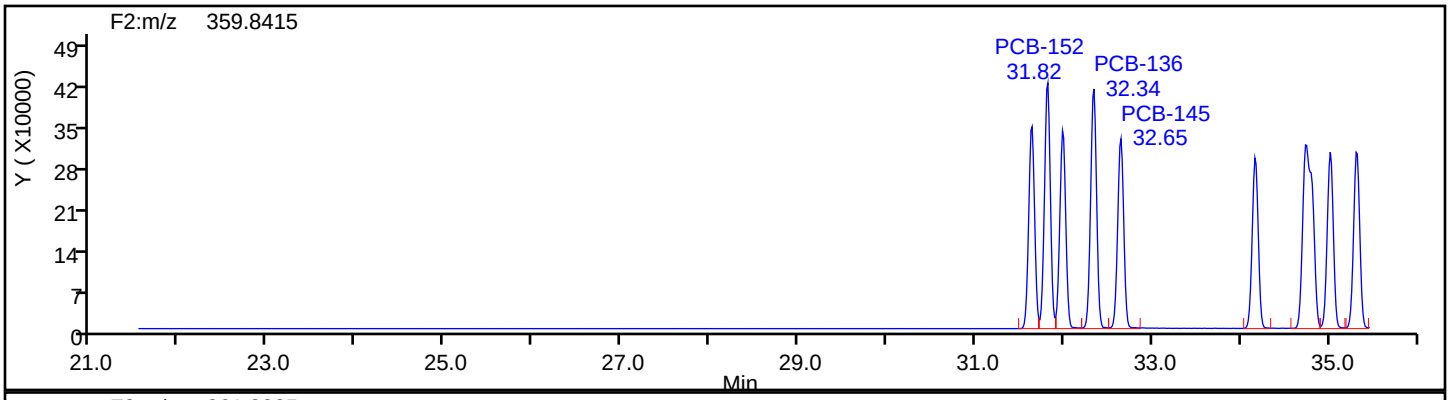

PePCB F3 Lock Mass

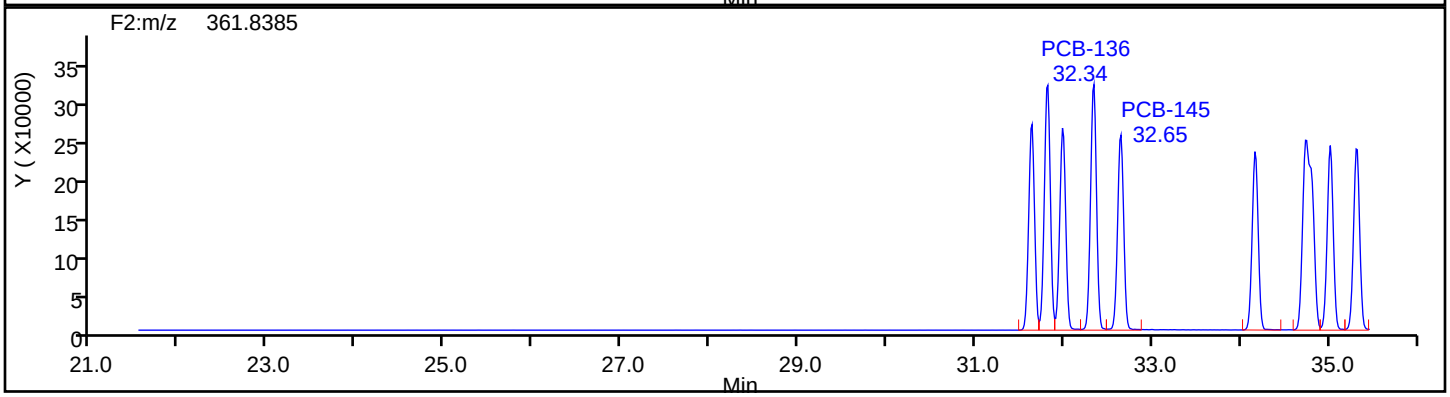


Eurofins TestAmerica, Knoxville

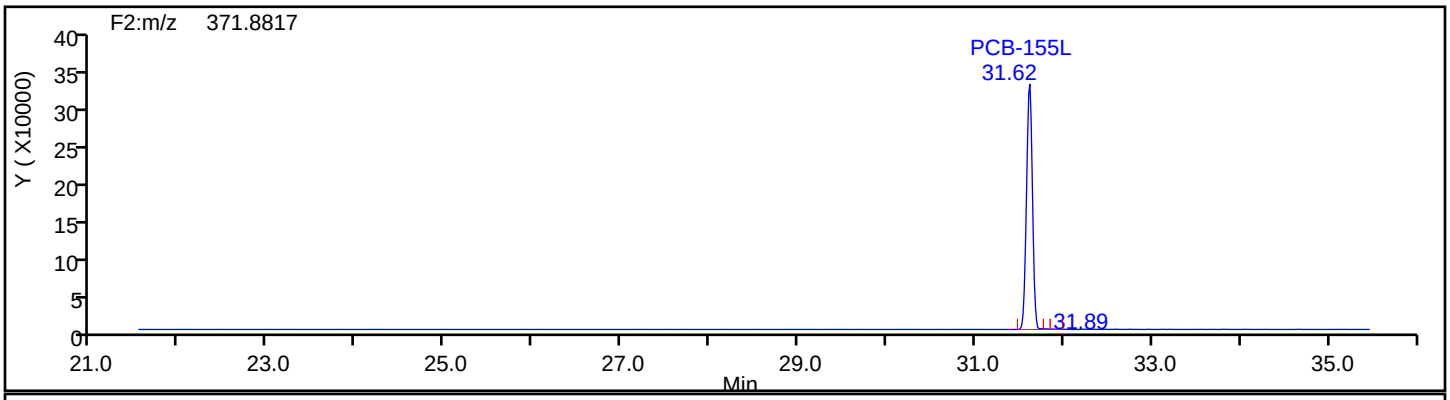
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

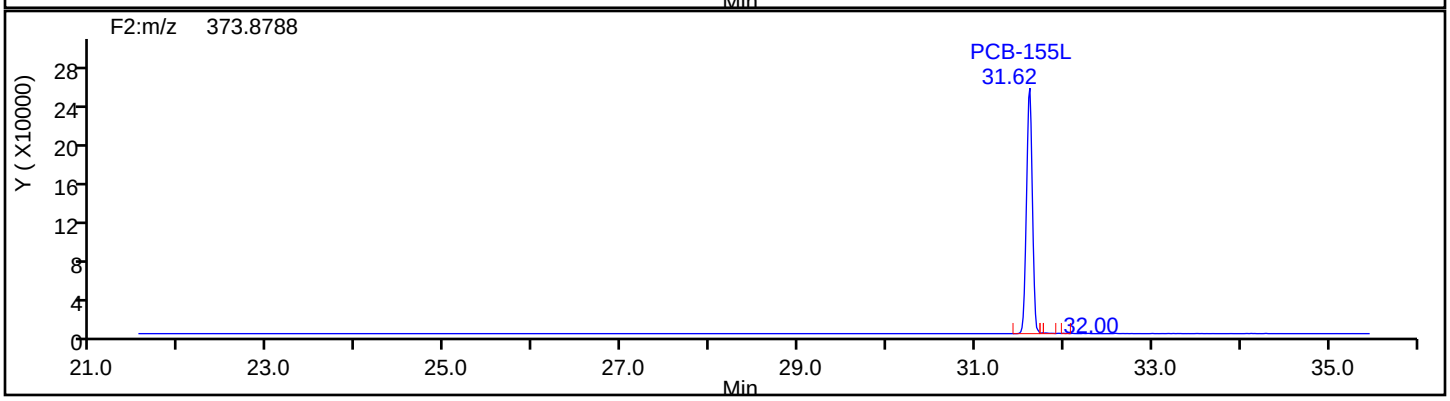
HxPCB F2




HxPCB F2 Standards

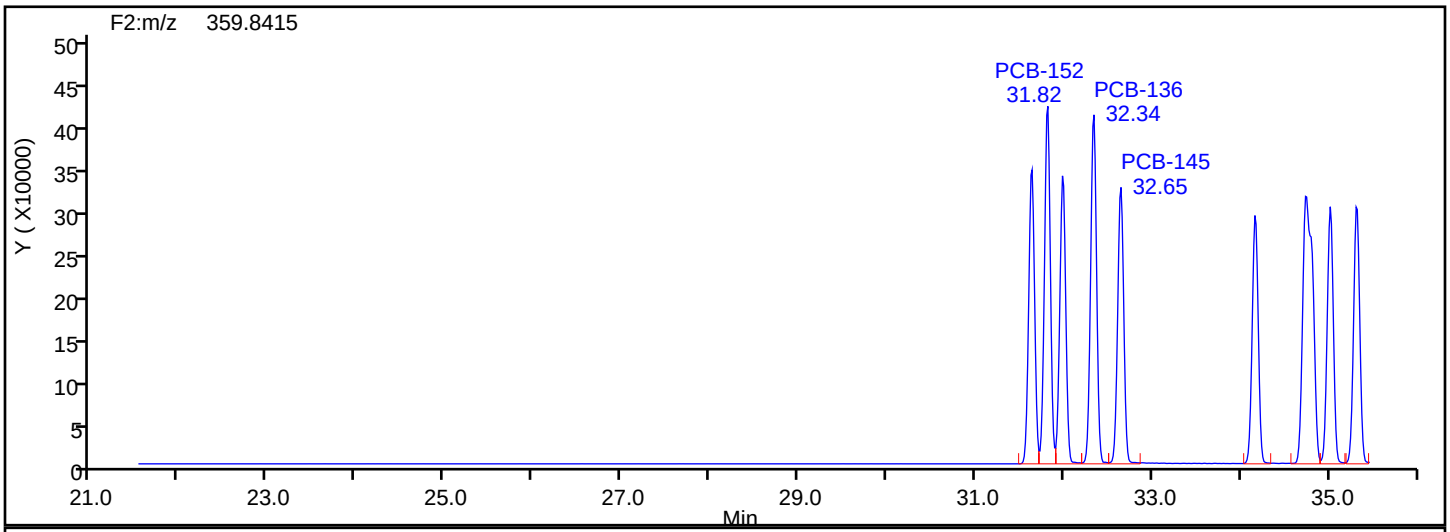


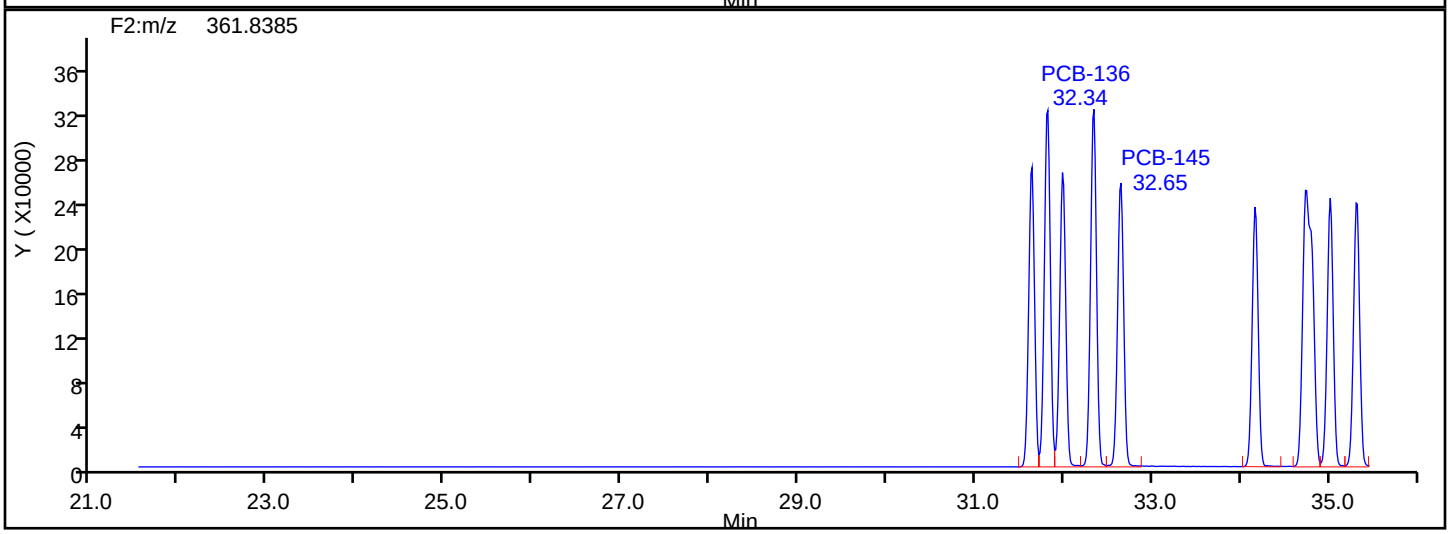



Eurofins TestAmerica, Knoxville

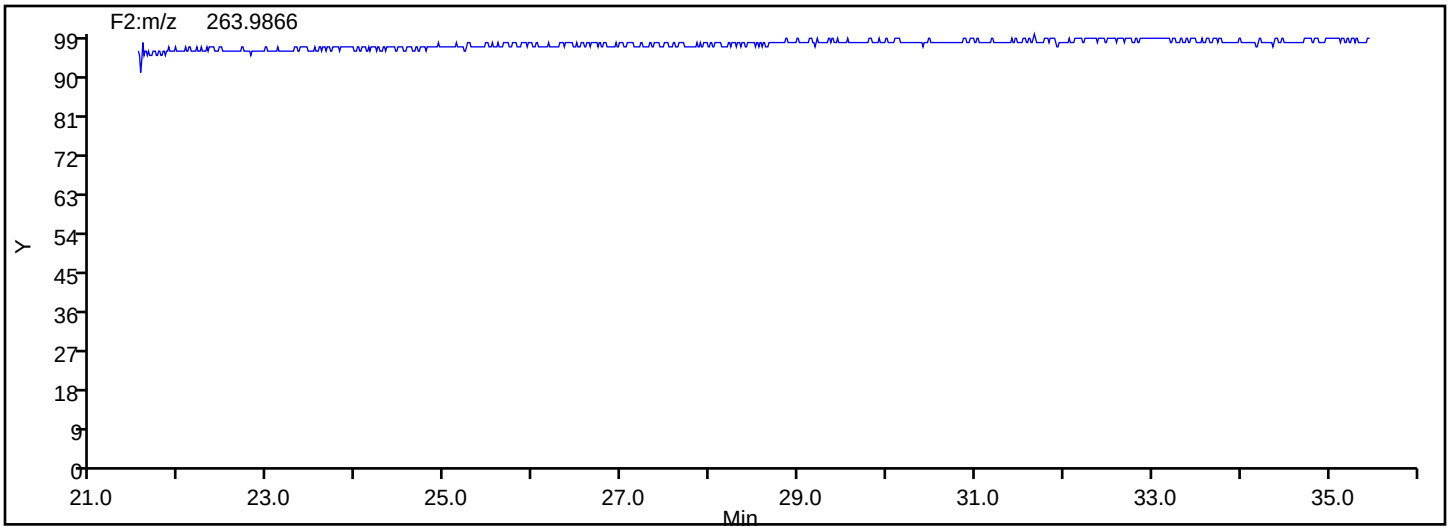
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



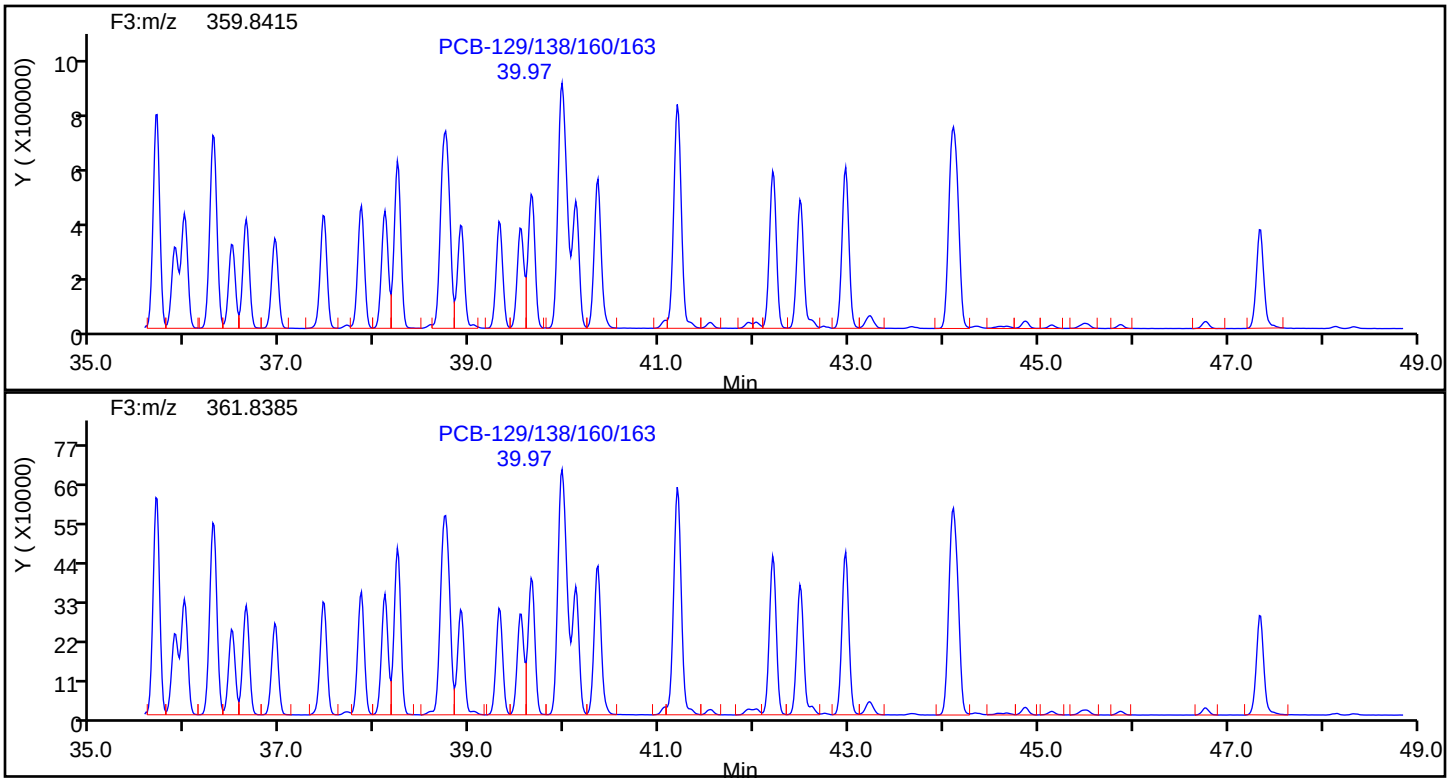

HxPCB F2 Lock Mass



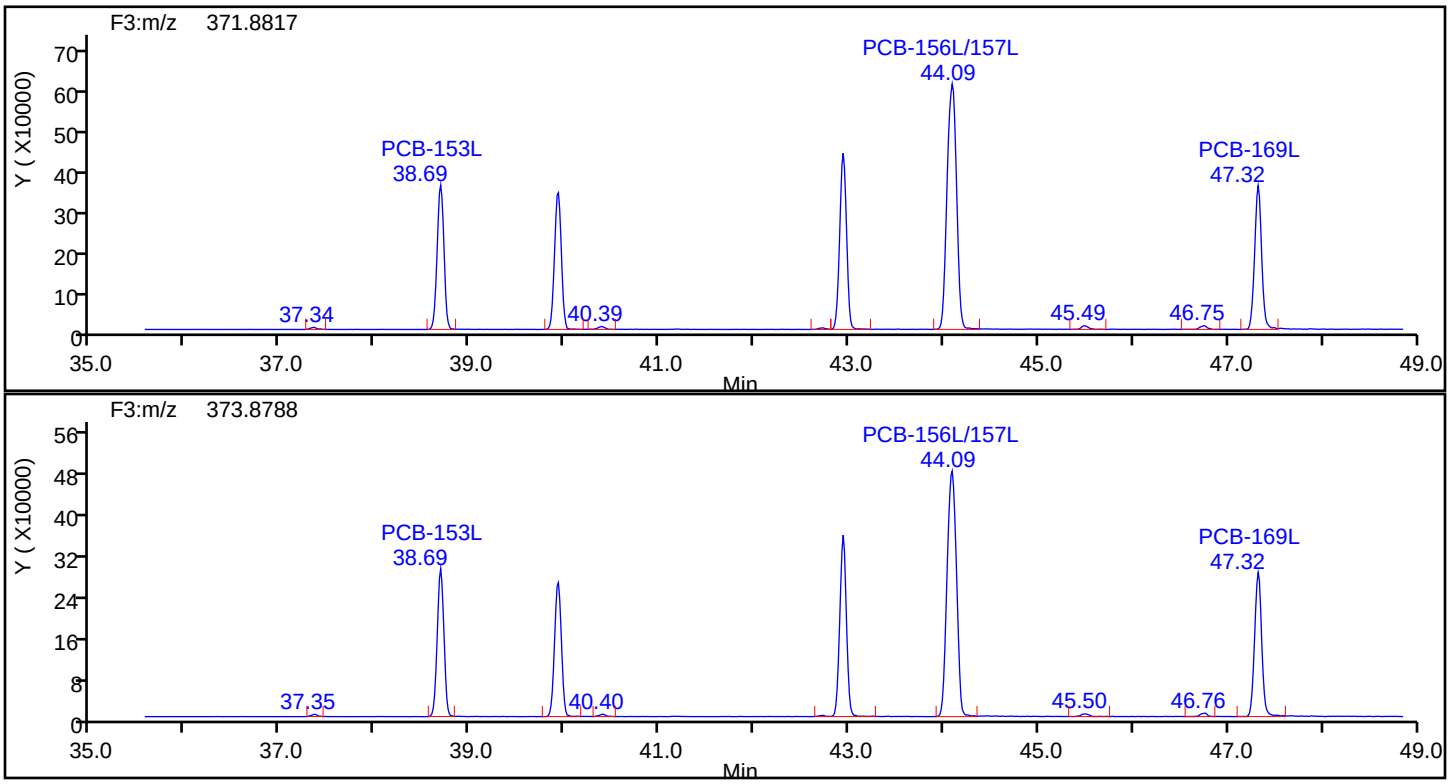
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



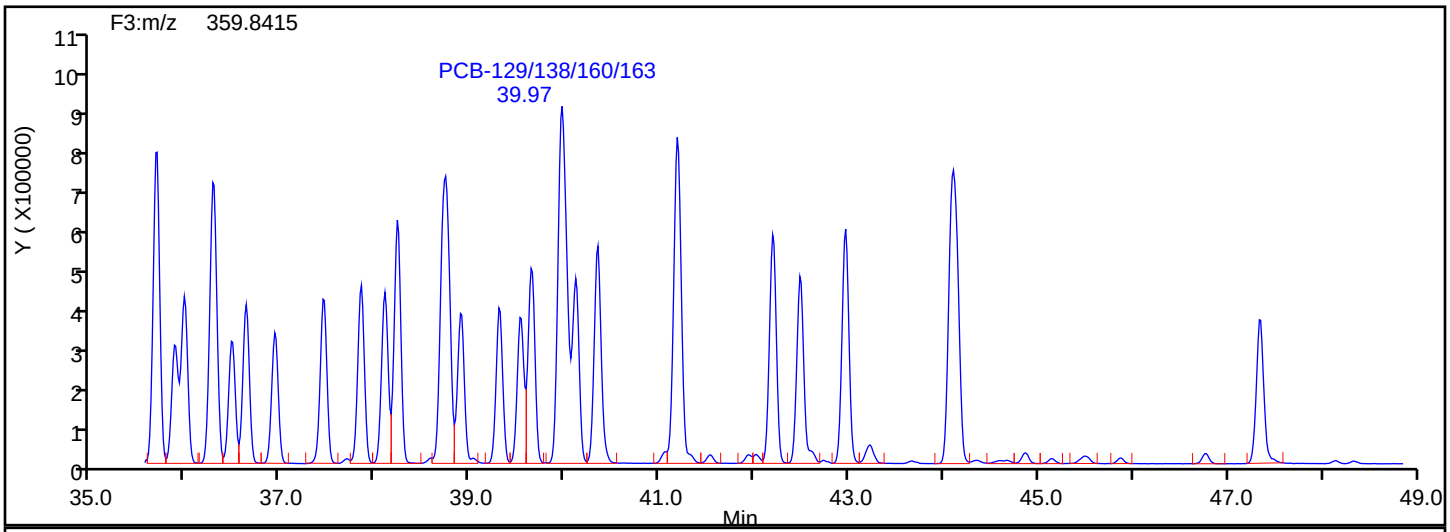

HxPCB F3 Standards

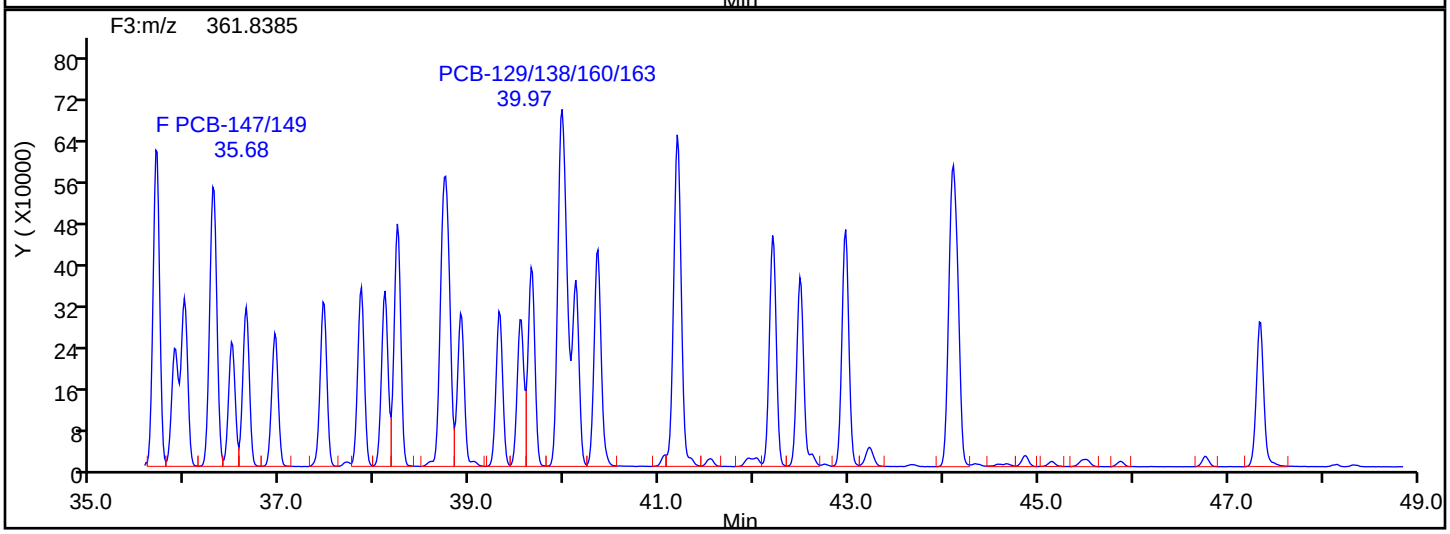


Eurofins TestAmerica, Knoxville

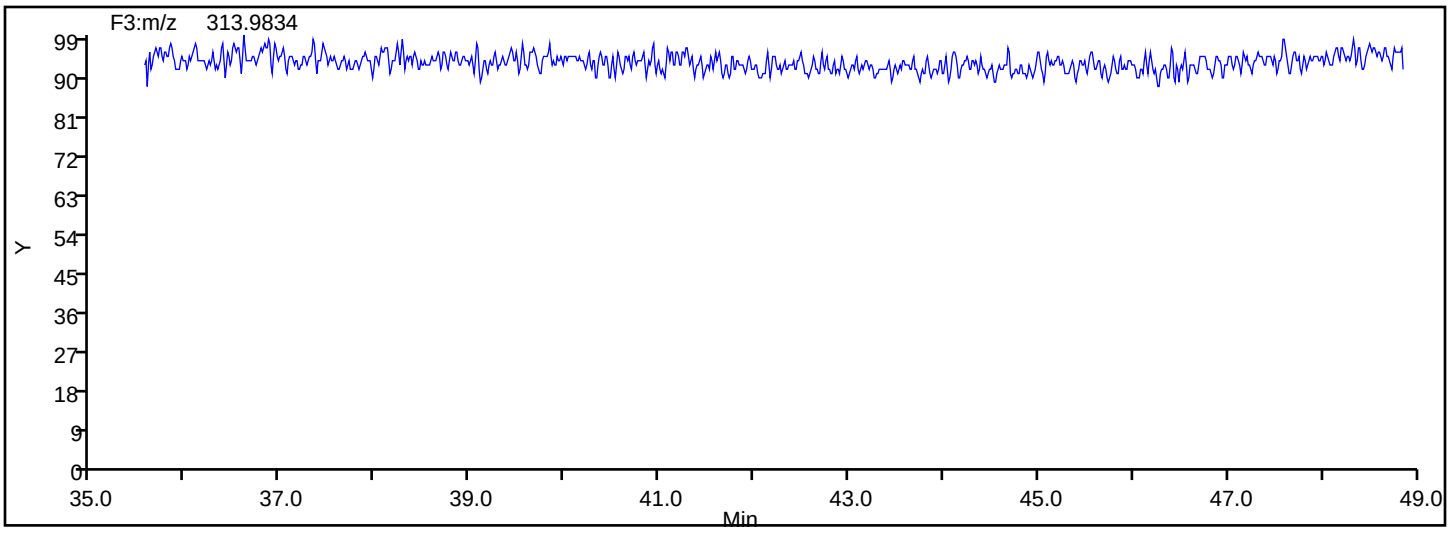
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

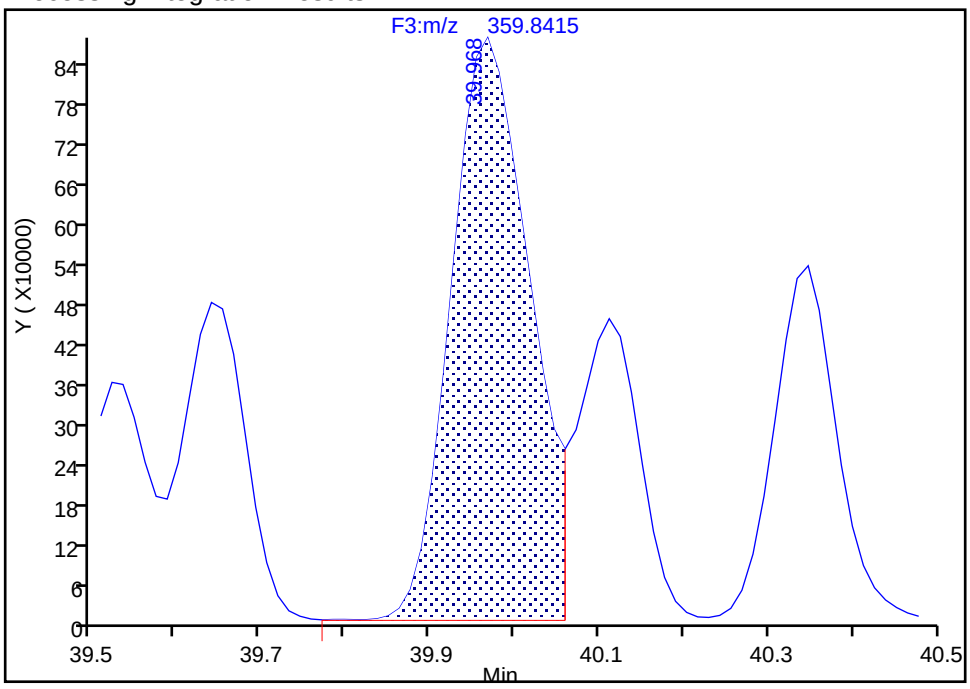
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

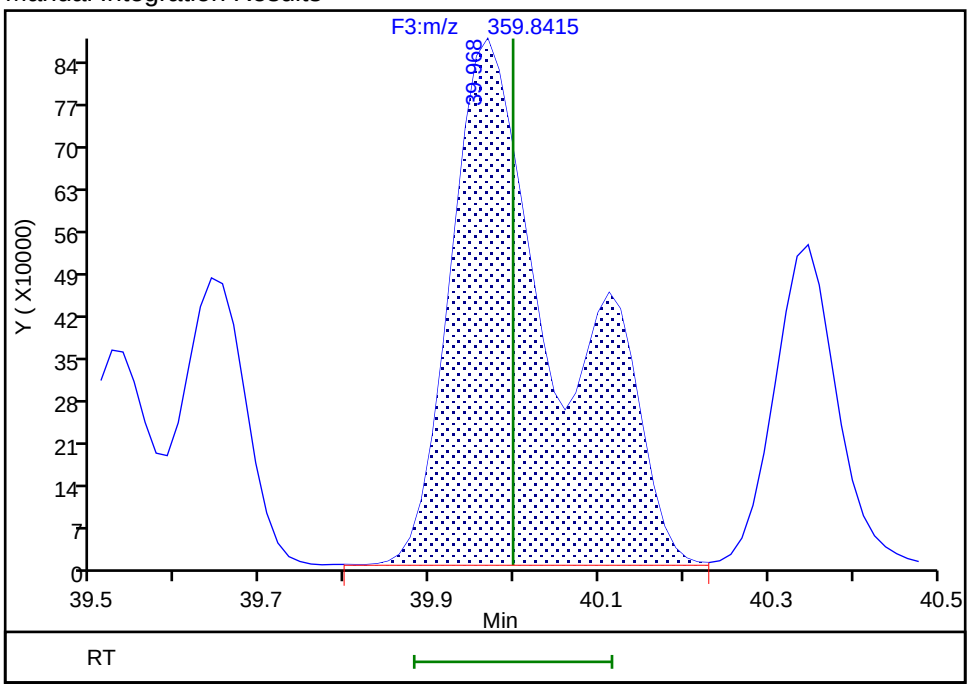
Processing Integration Results

RT: 39.97
Area: 5627770
Amount: 252.3003
Amount Units: pg/ul




Manual Integration Results

RT: 39.97
Area: 7878175
Amount: 352.6615
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:19:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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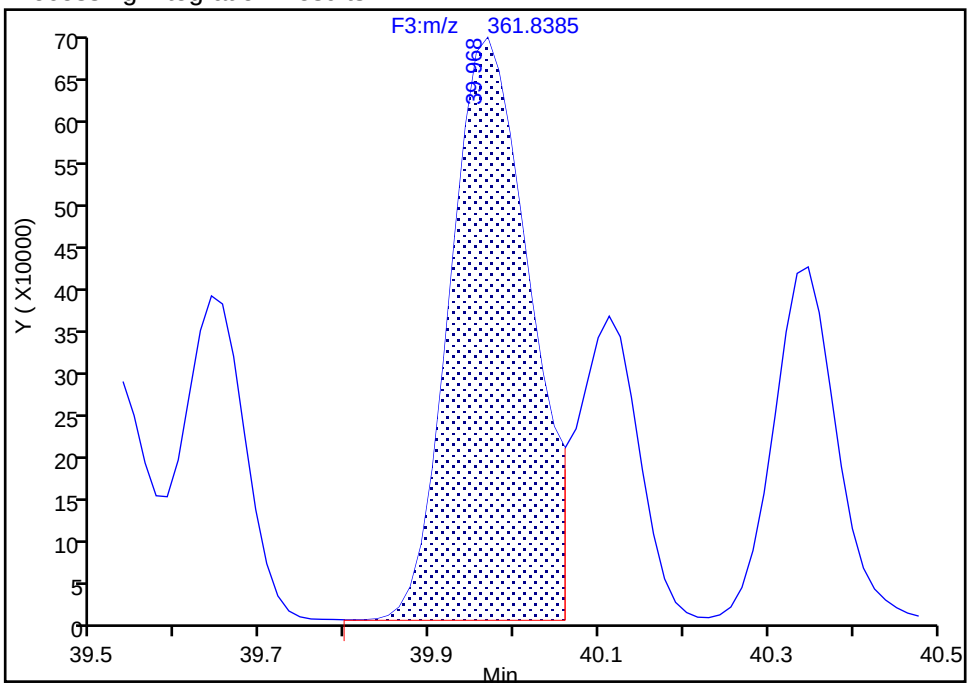
| Injection Date: | 22-Aug-2019 16:26:00 | Instrument ID: | D3D | | |
| Lims ID: | ICV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

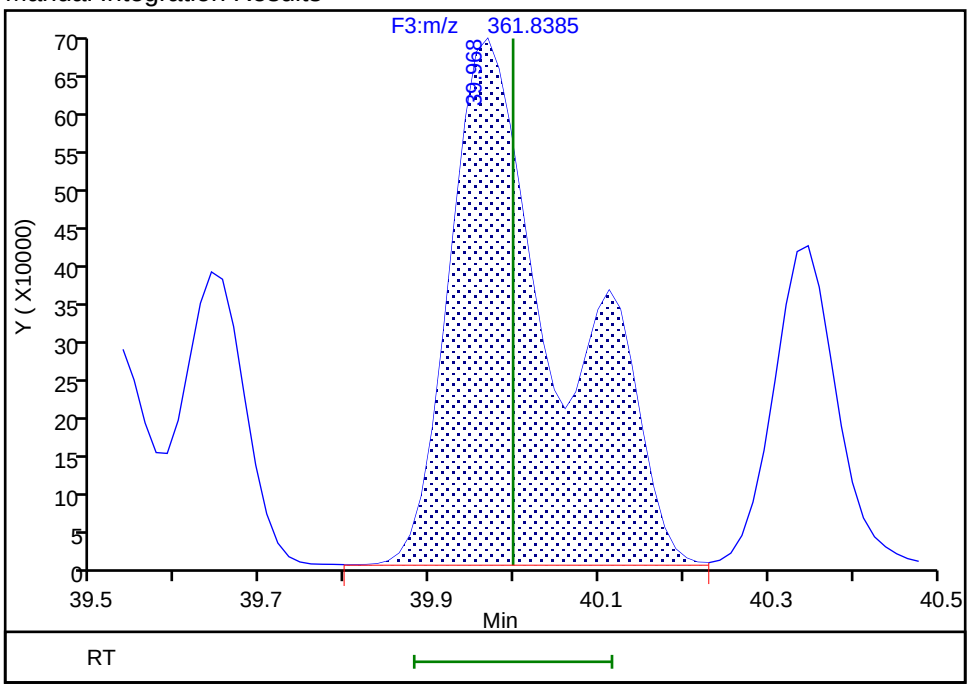
Processing Integration Results

RT: 39.97
Area: 4522176
Amount: 252.3003
Amount Units: pg/ul




Manual Integration Results

RT: 39.97
Area: 6309268
Amount: 352.6615
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:19:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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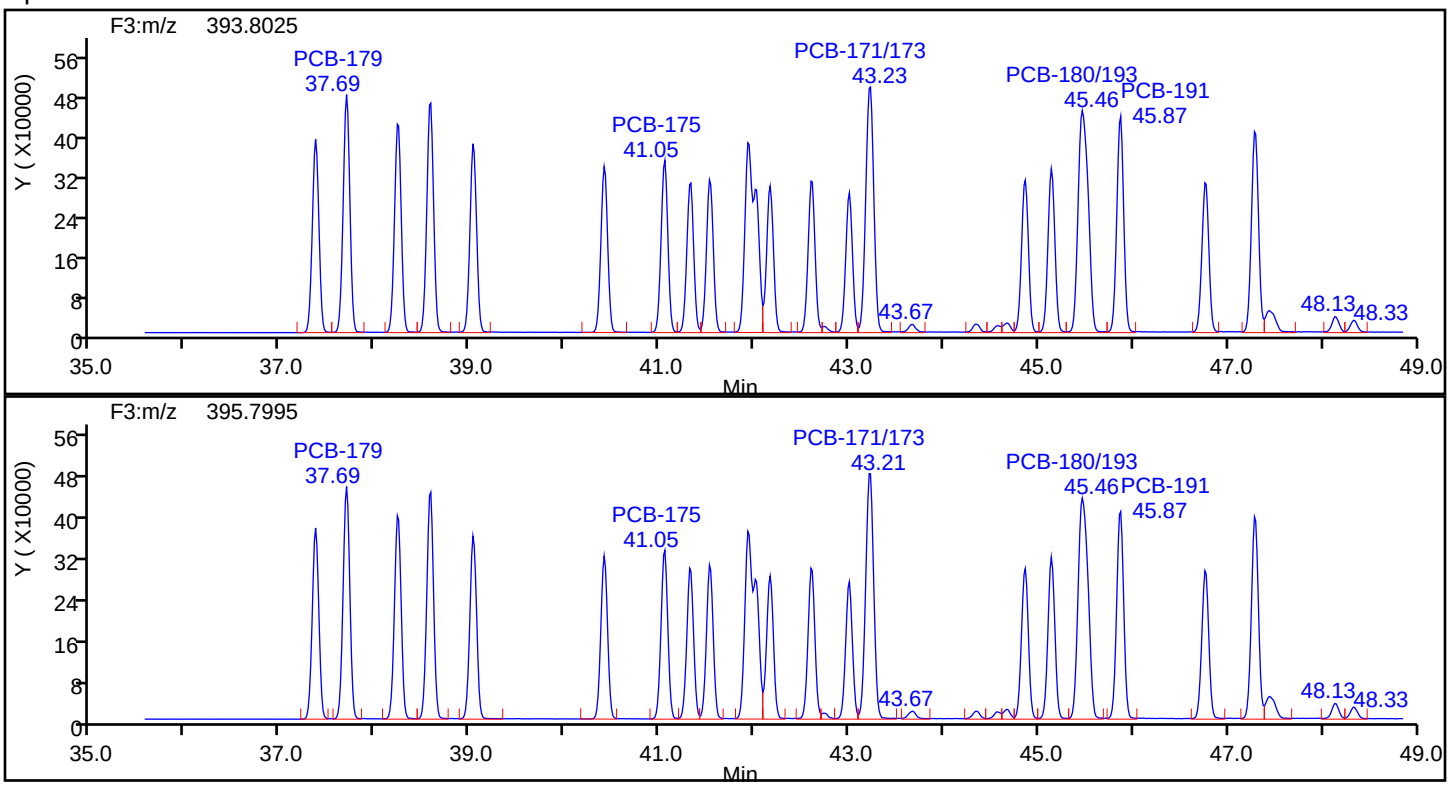
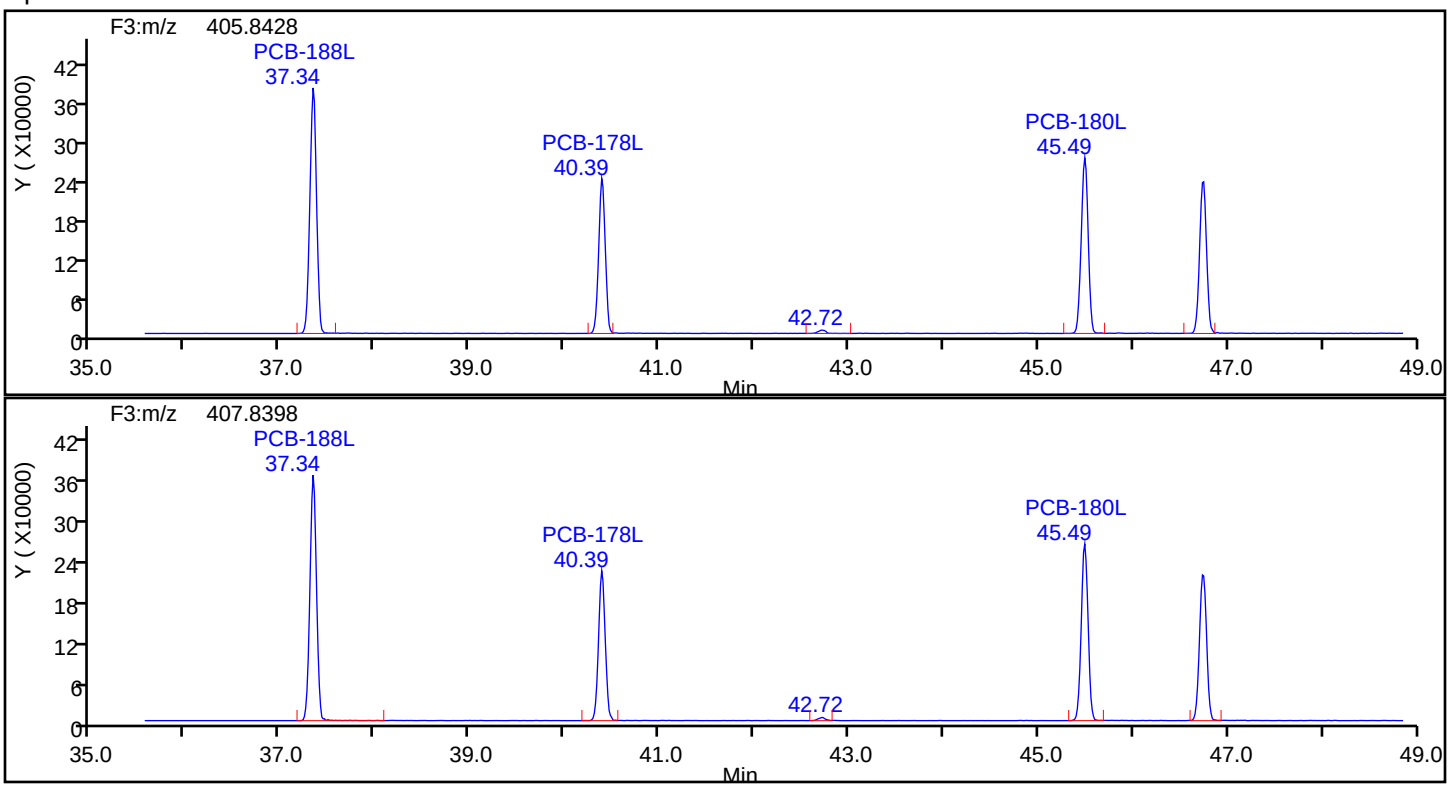
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



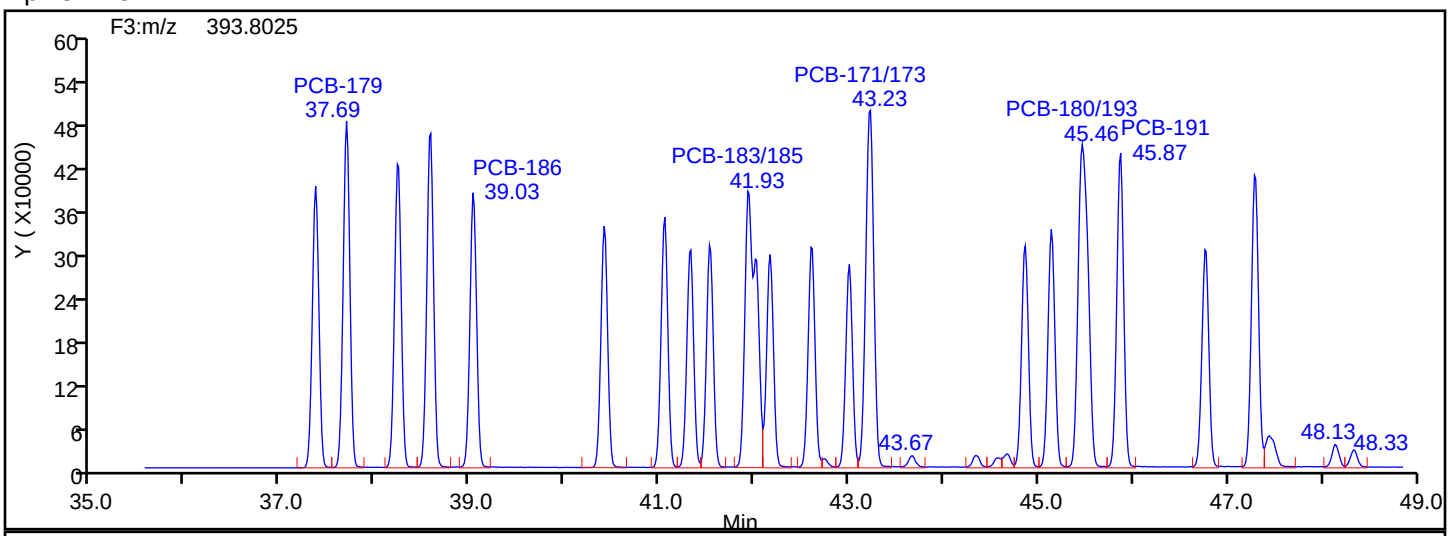

HpPCB F3 Standards

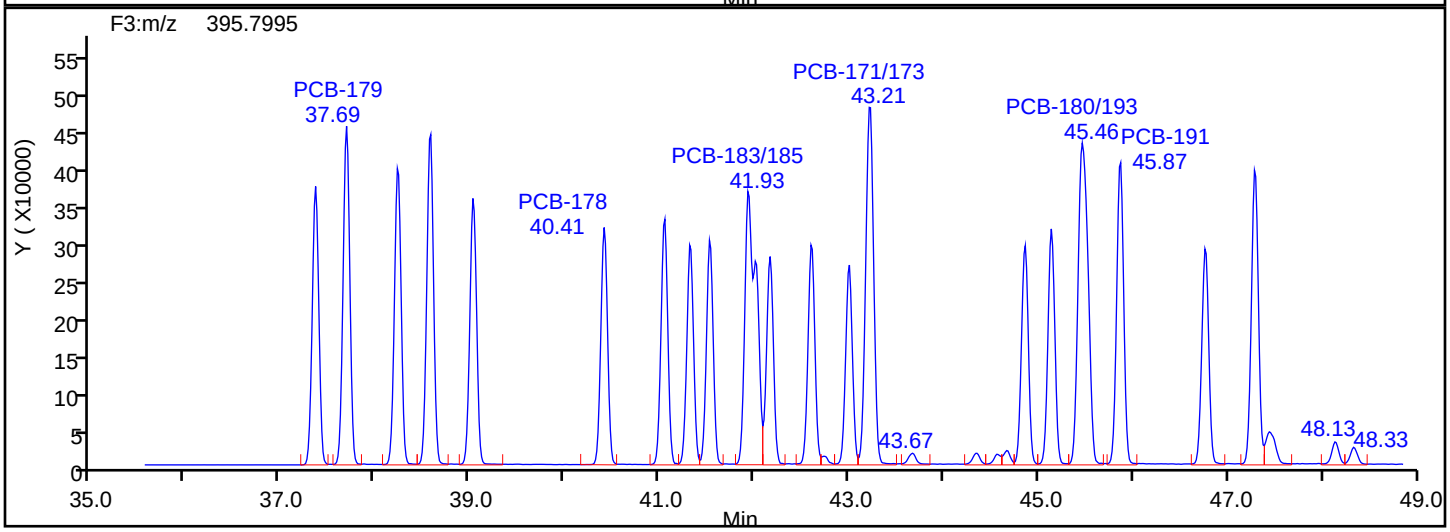


Eurofins TestAmerica, Knoxville

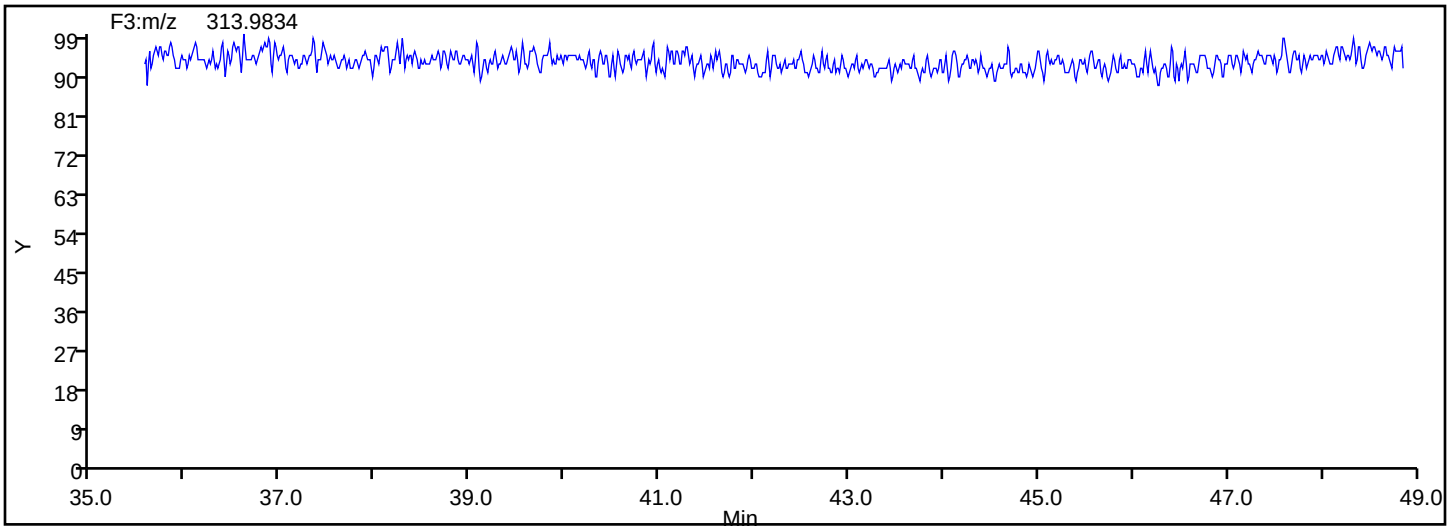
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

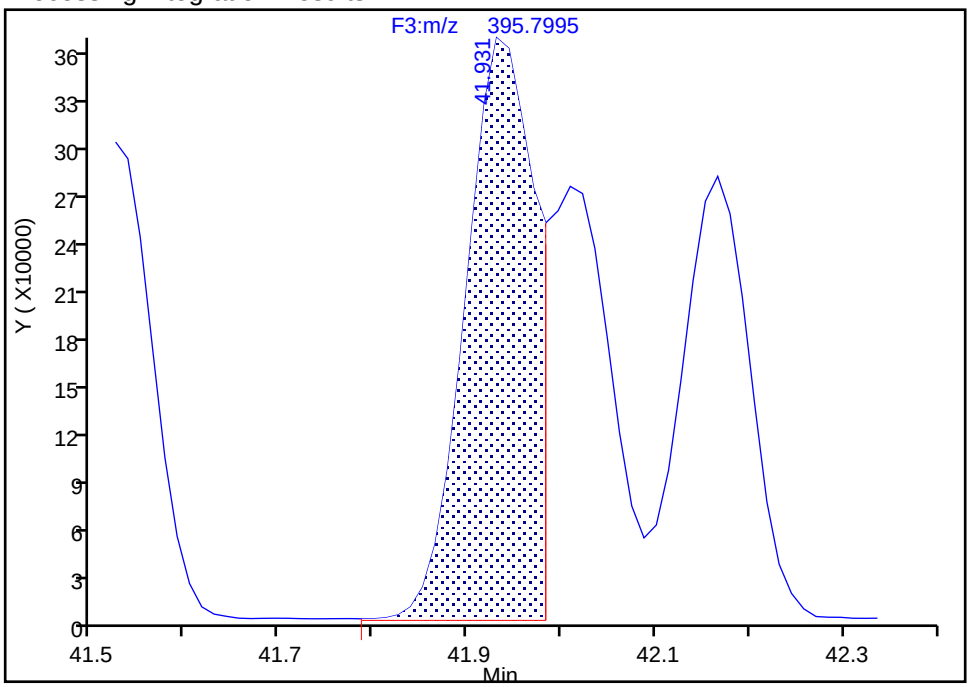
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 2

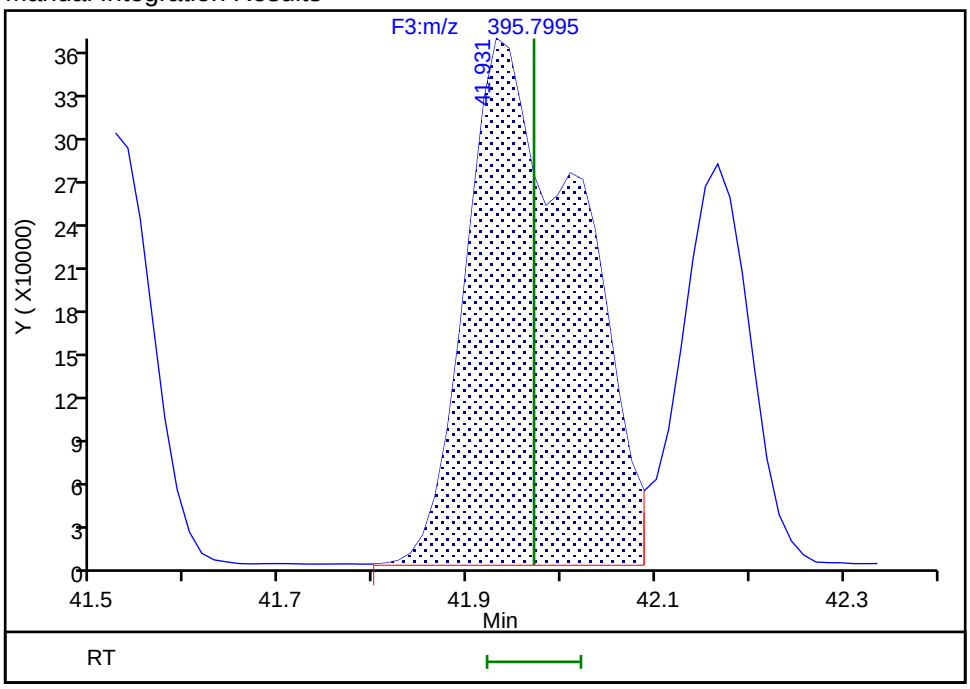
Processing Integration Results

RT: 41.93
Area: 1834675
Amount: 111.6644
Amount Units: pg/ul




Manual Integration Results

RT: 41.93
Area: 3037782
Amount: 185.5357
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:19:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

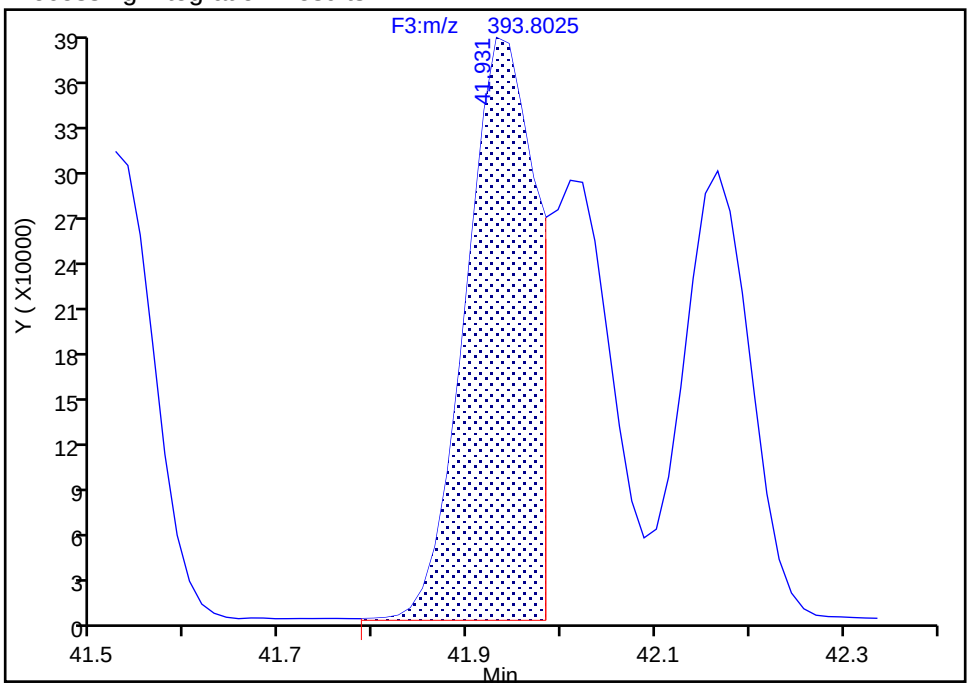
Data File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d
Injection Date: 22-Aug-2019 16:26:00 Instrument ID: D3D
Lims ID: ICV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 1

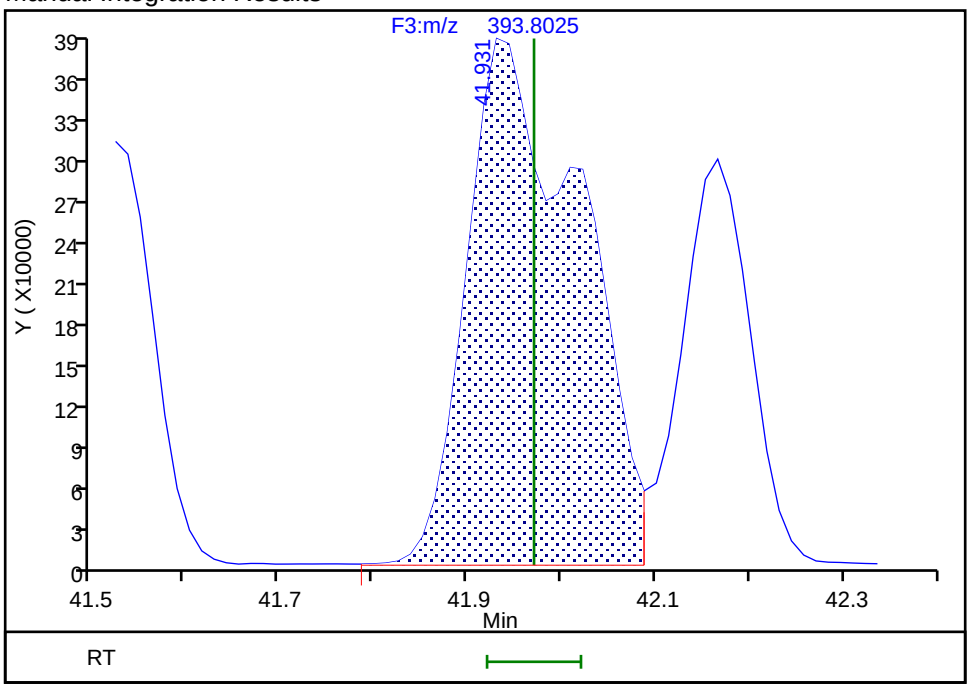
Processing Integration Results

RT: 41.93
Area: 1921336
Amount: 111.6644
Amount Units: pg/ul




Manual Integration Results

RT: 41.93
Area: 3203009
Amount: 185.5357
Amount Units: pg/ul




Reviewer: davidsonm, 23-Aug-2019 12:19:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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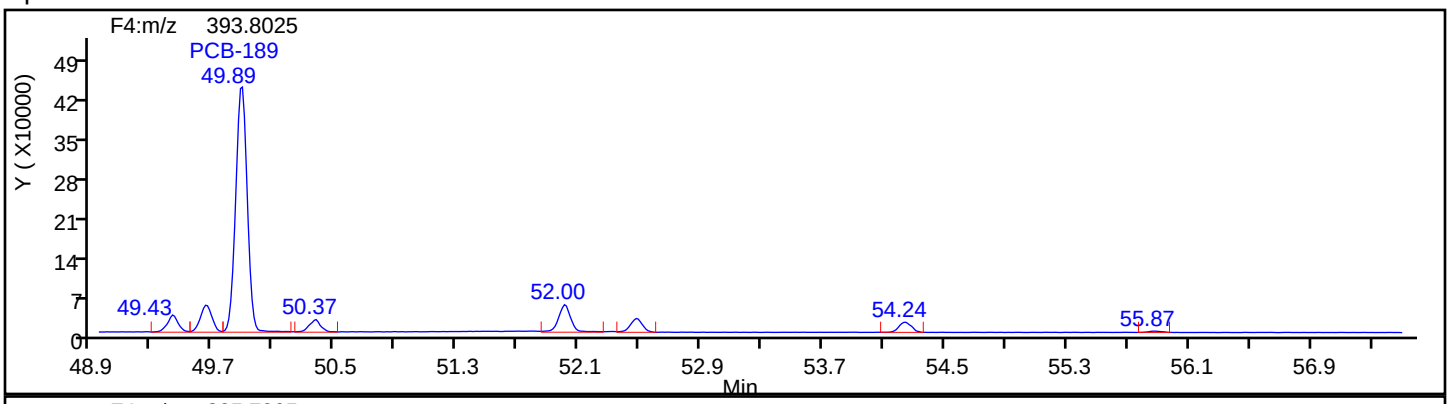
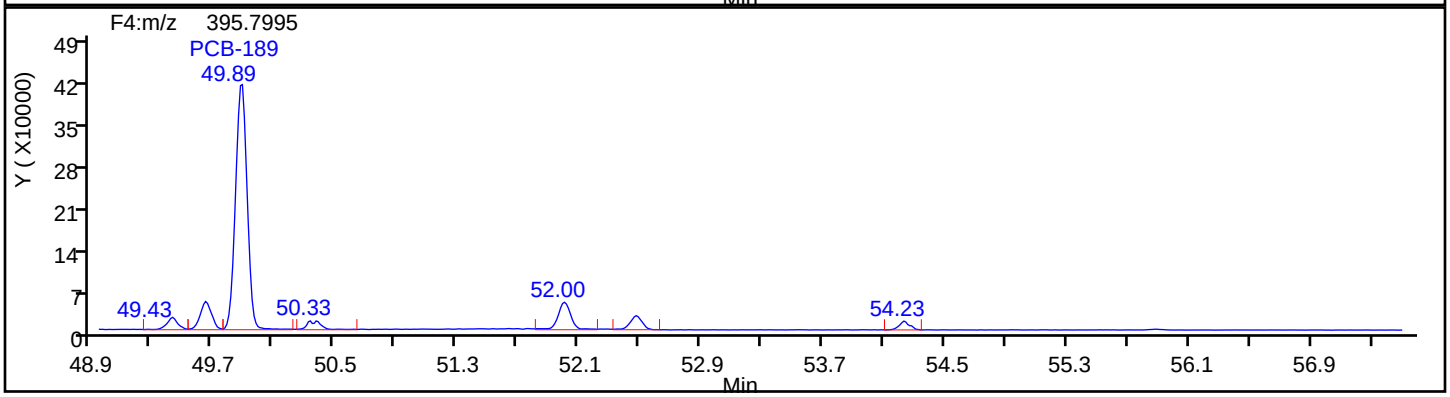
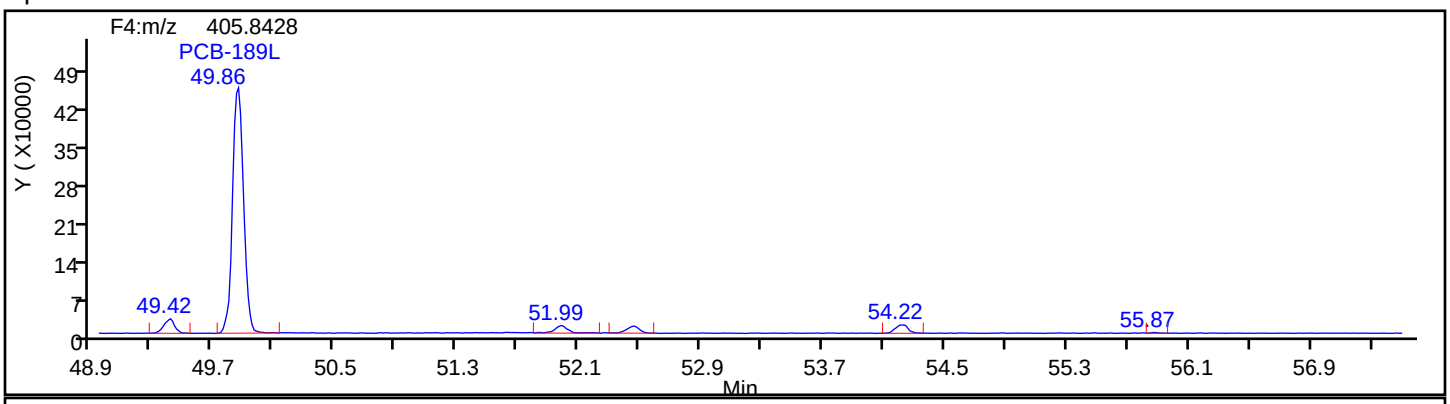
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

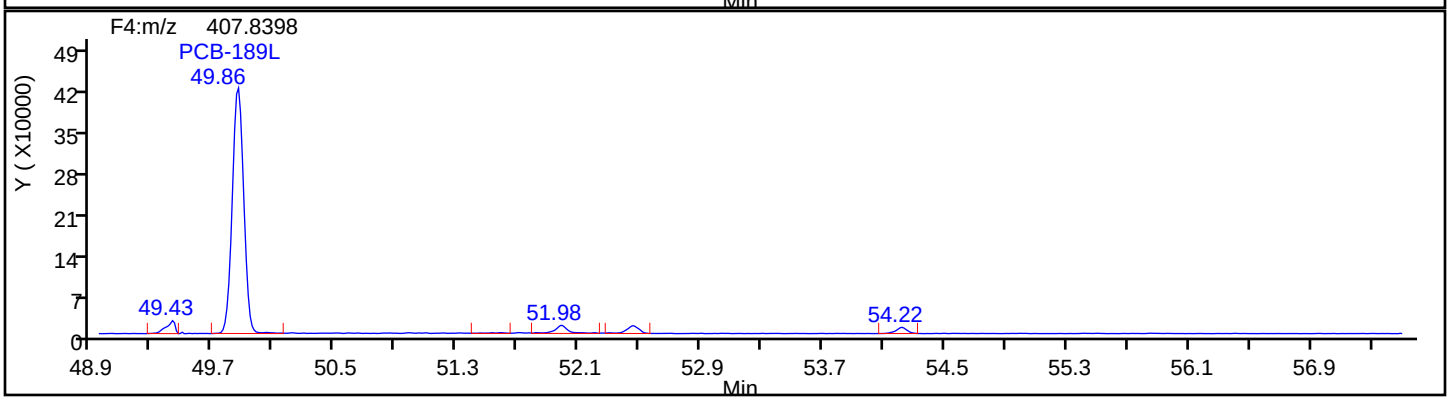
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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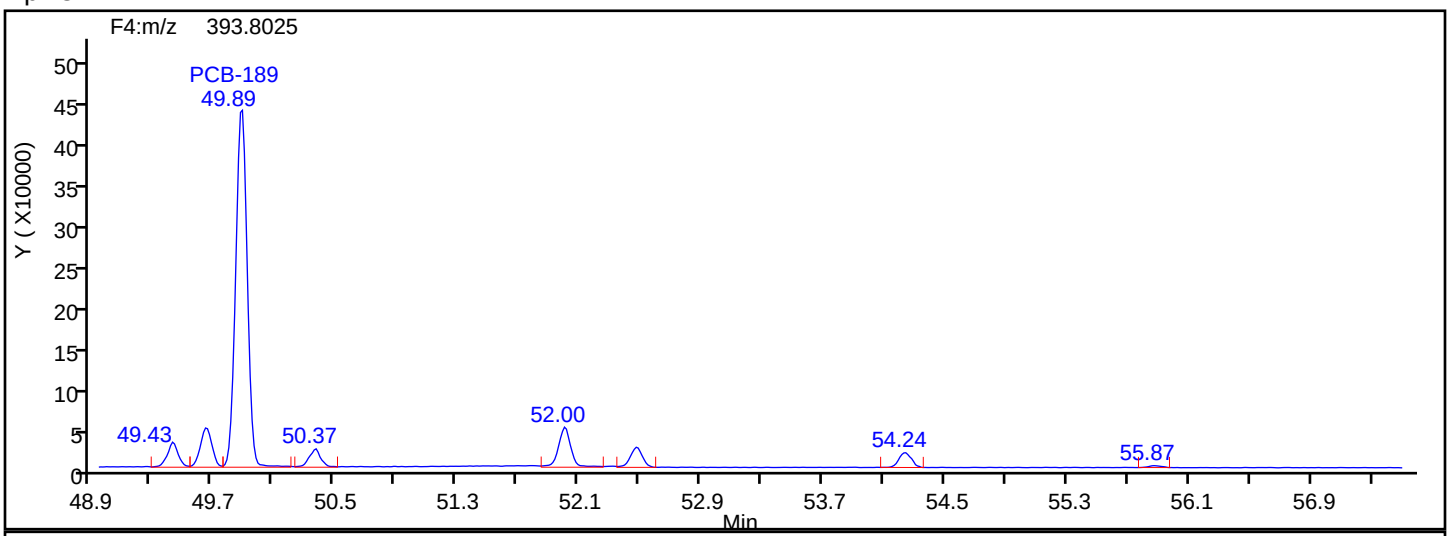
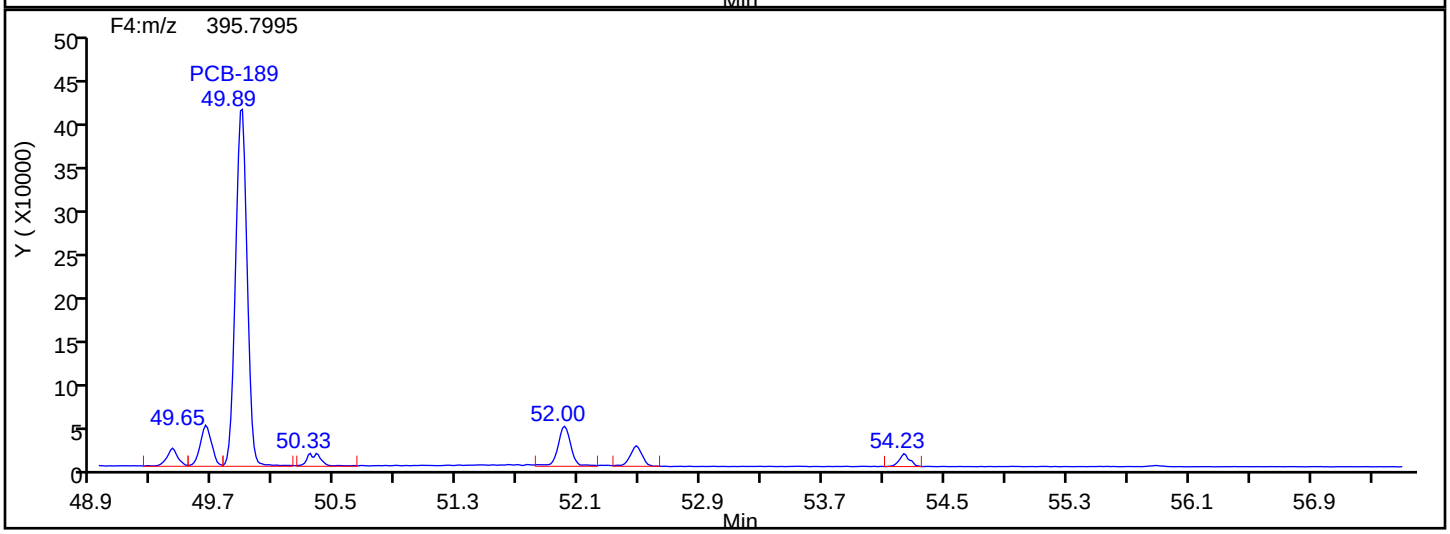
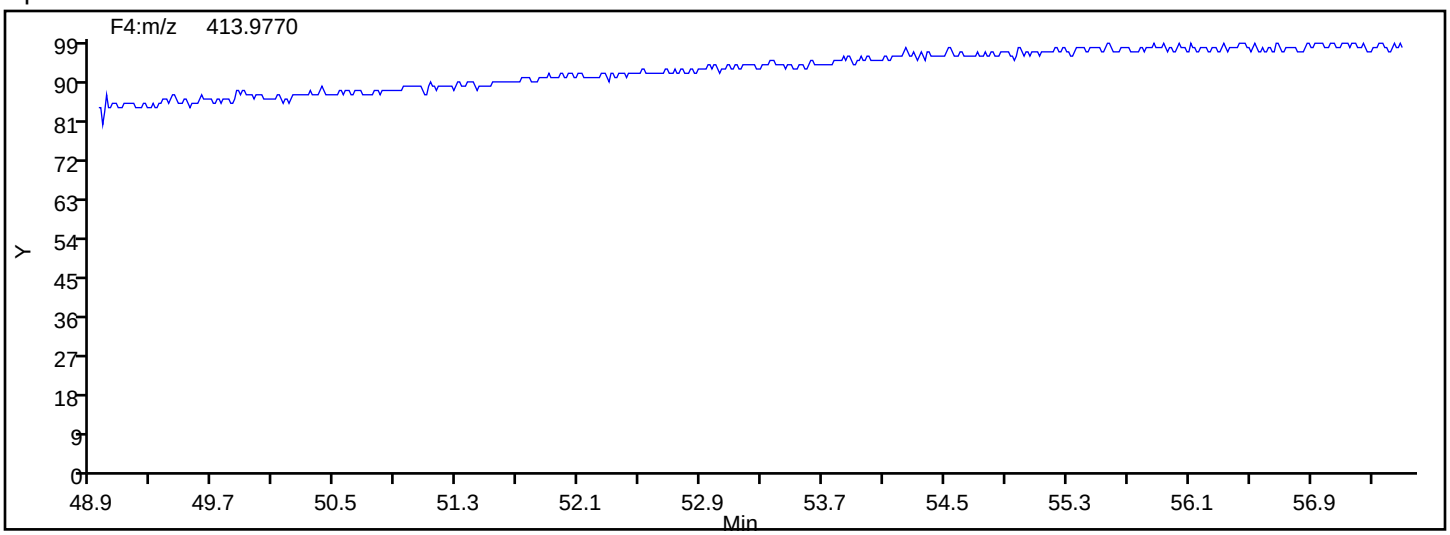
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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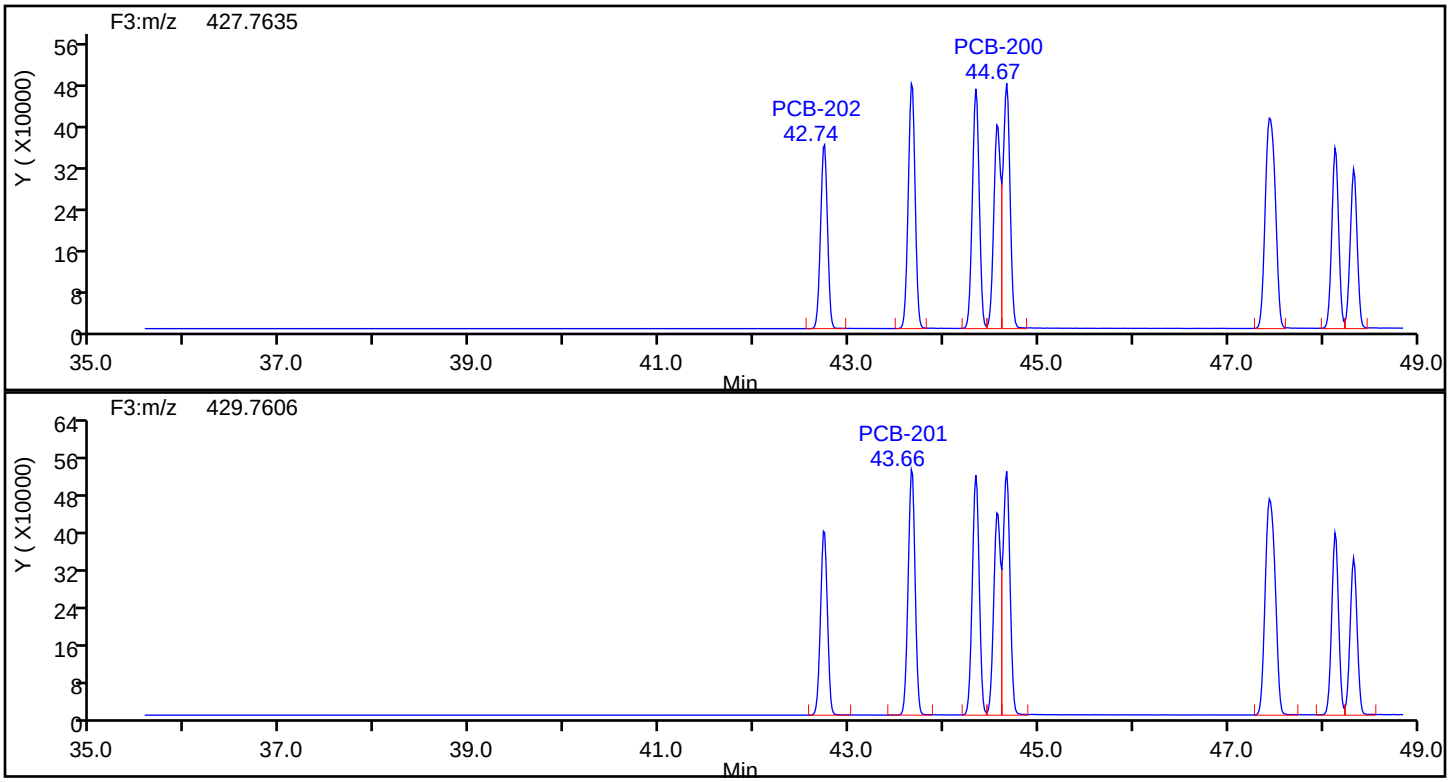
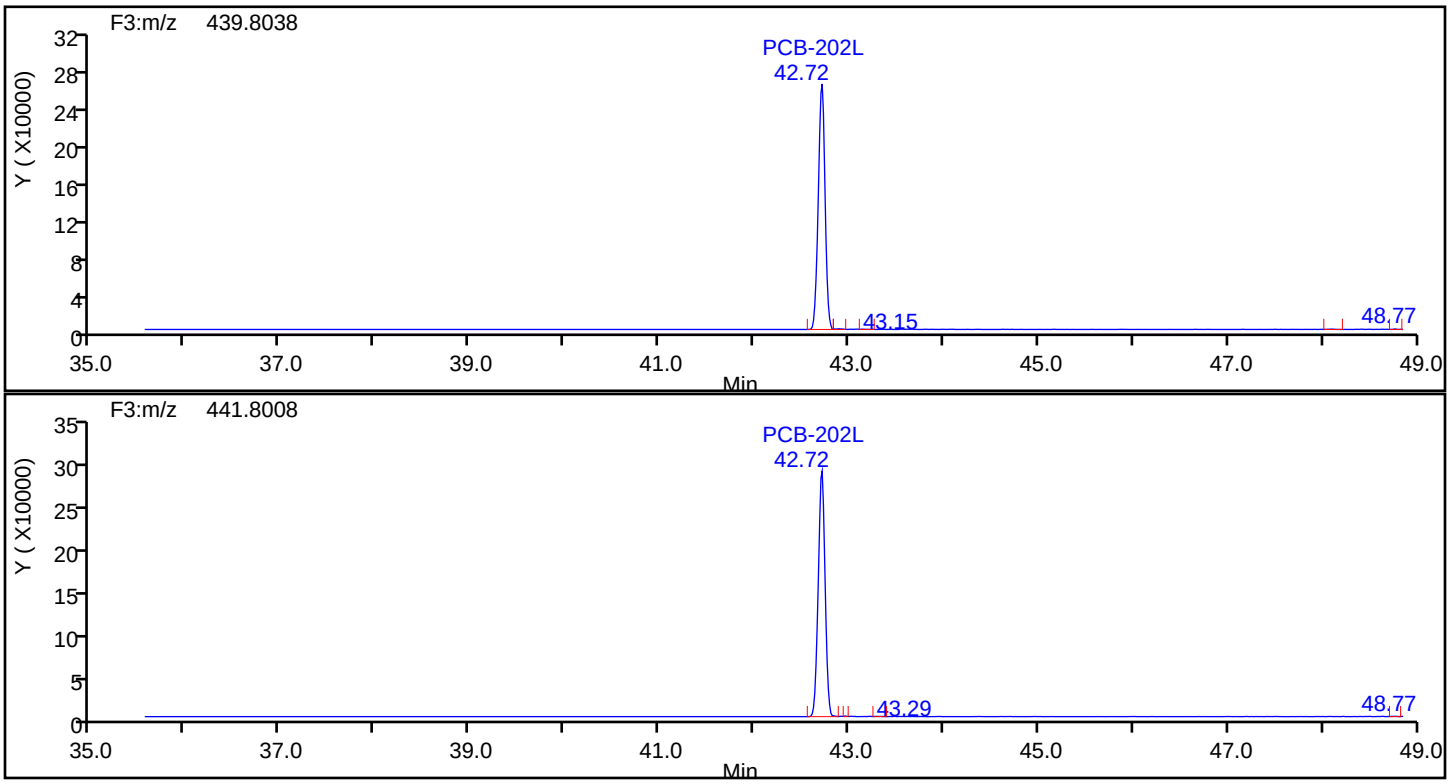
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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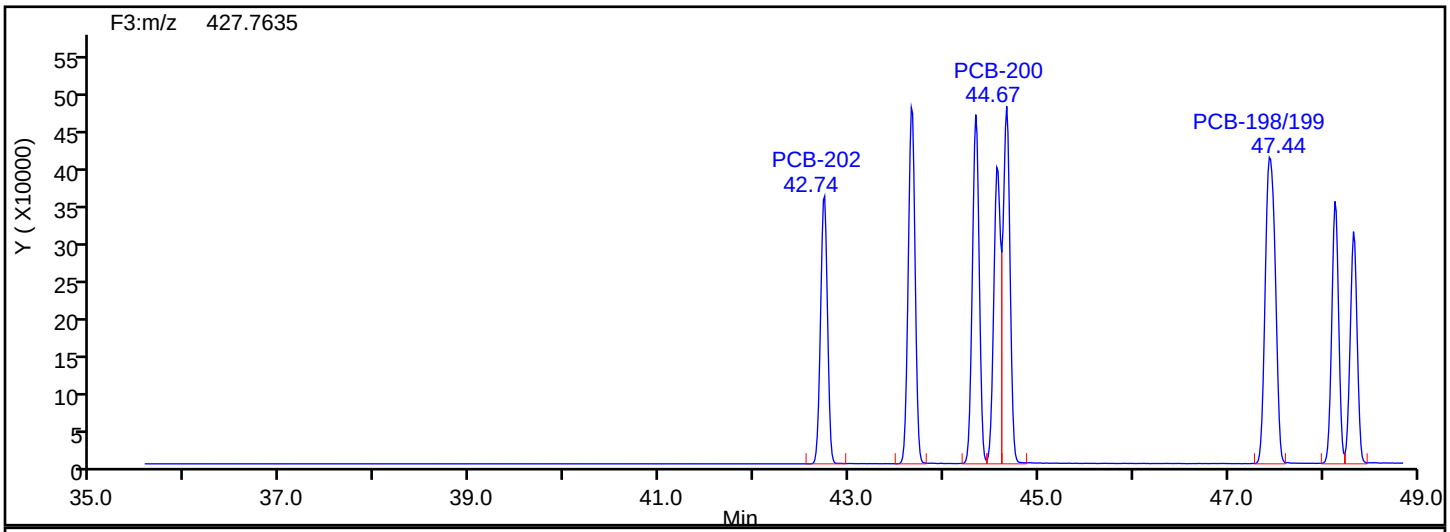
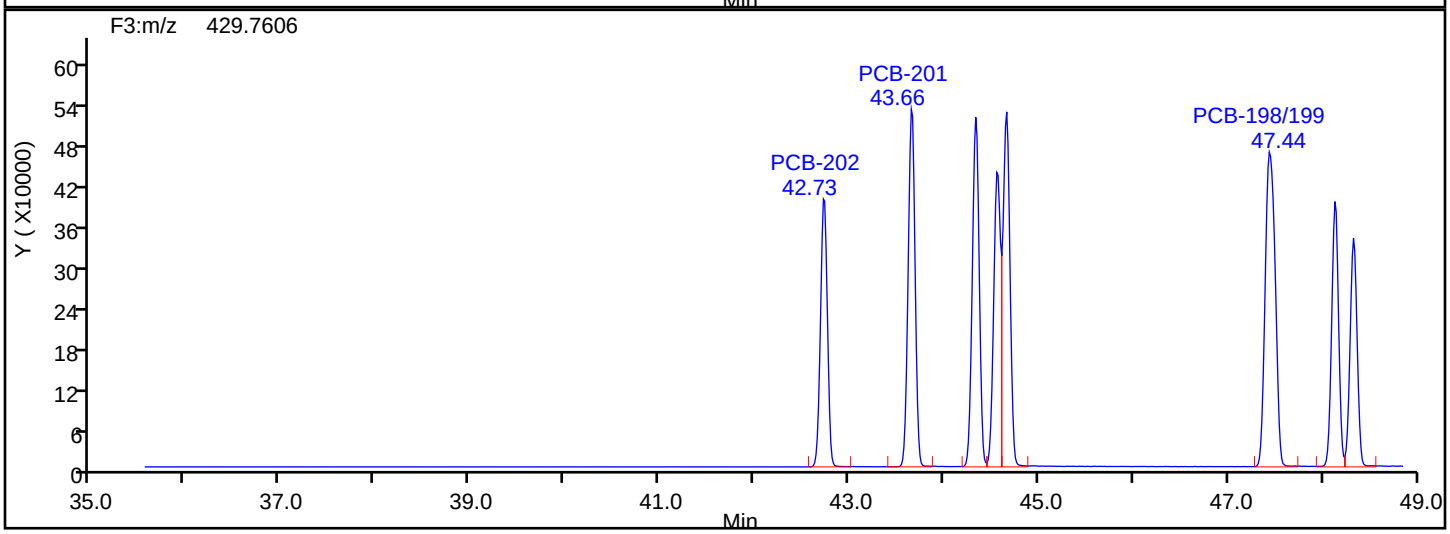
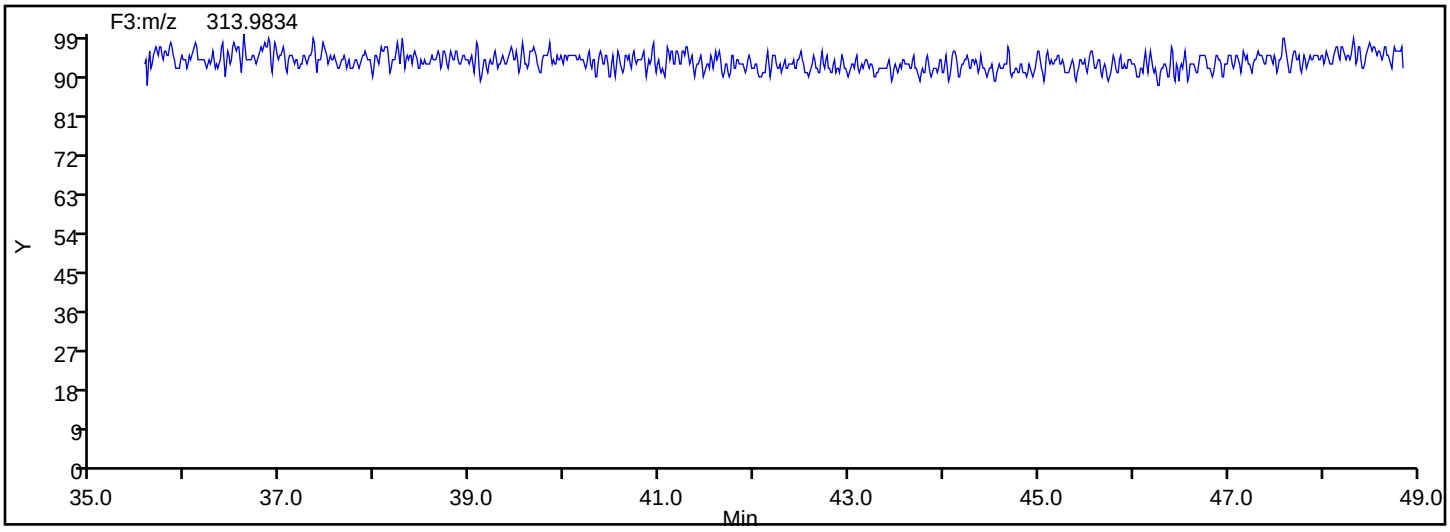
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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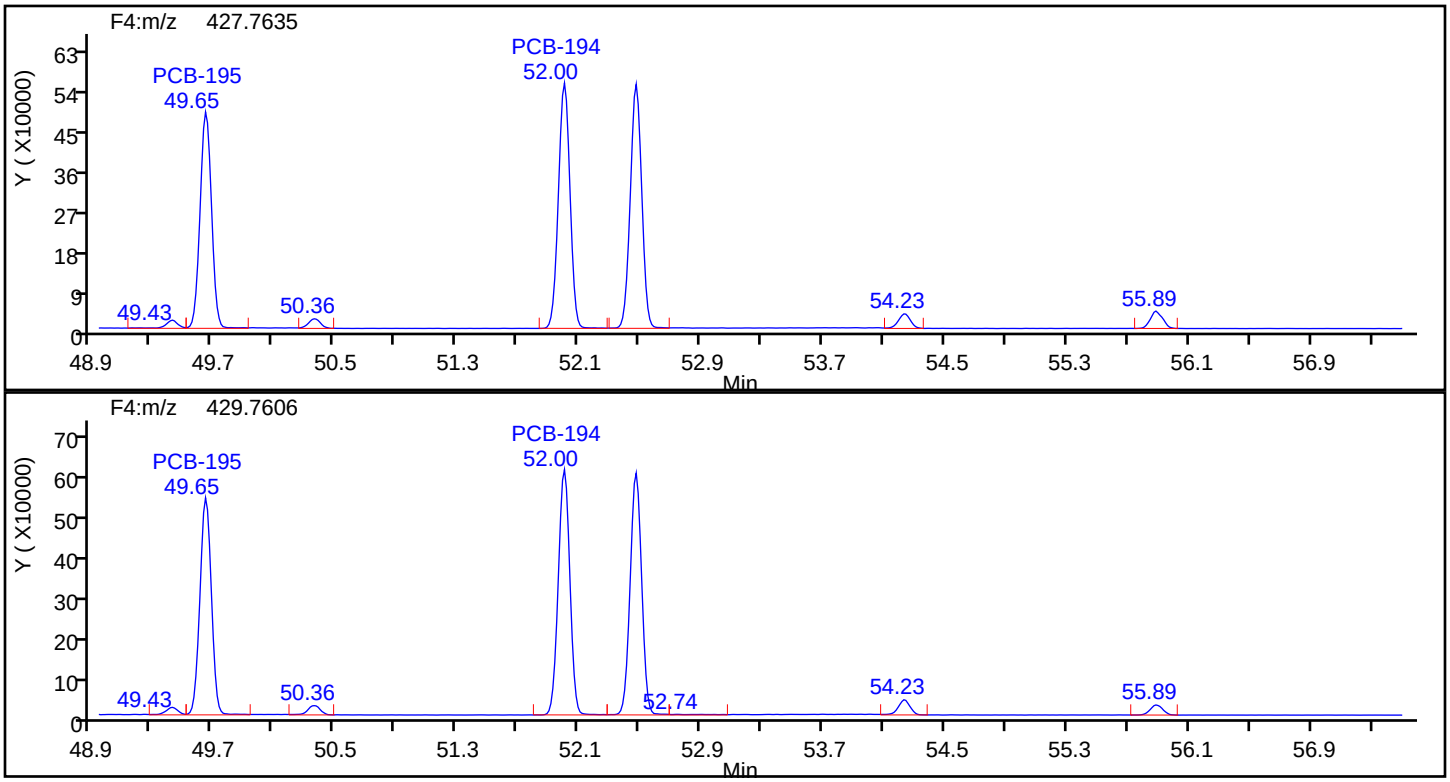
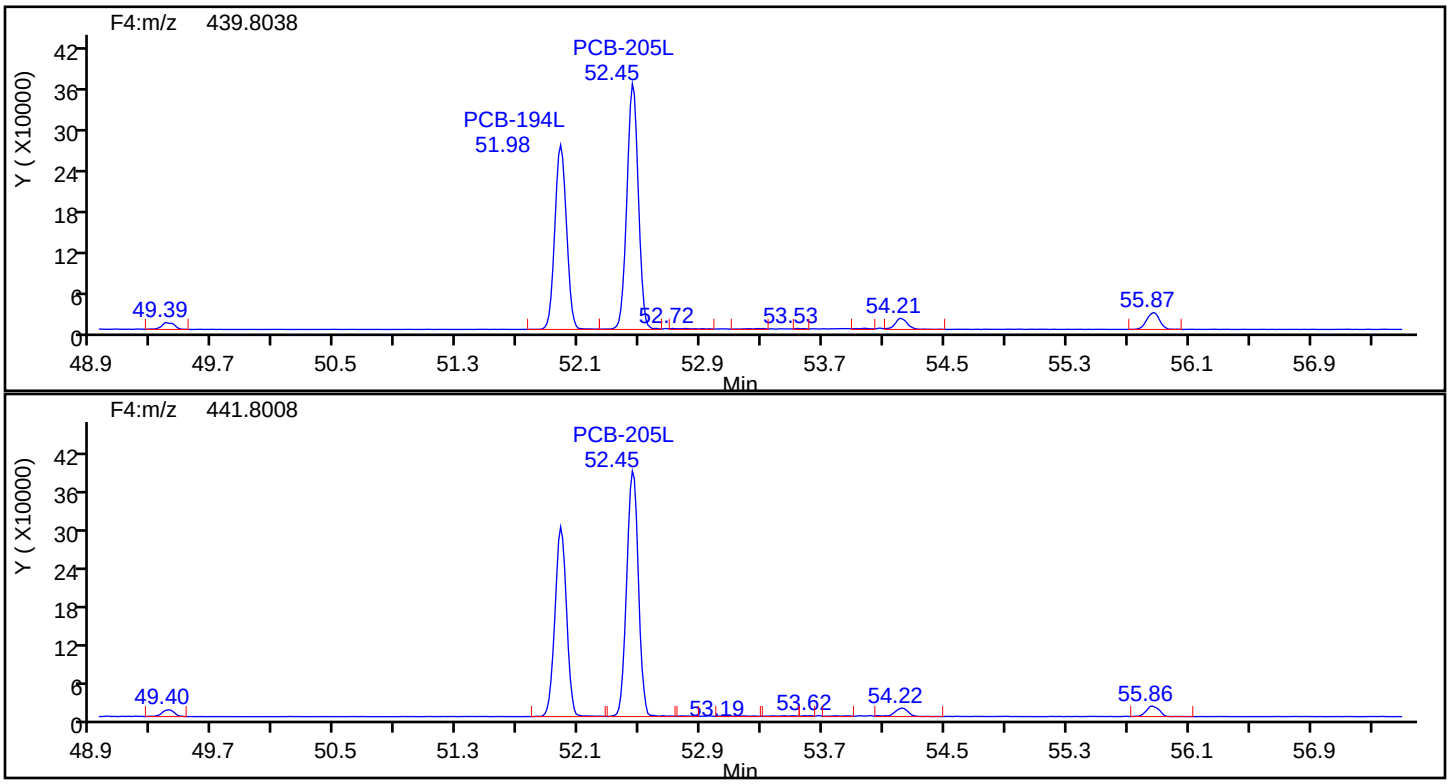
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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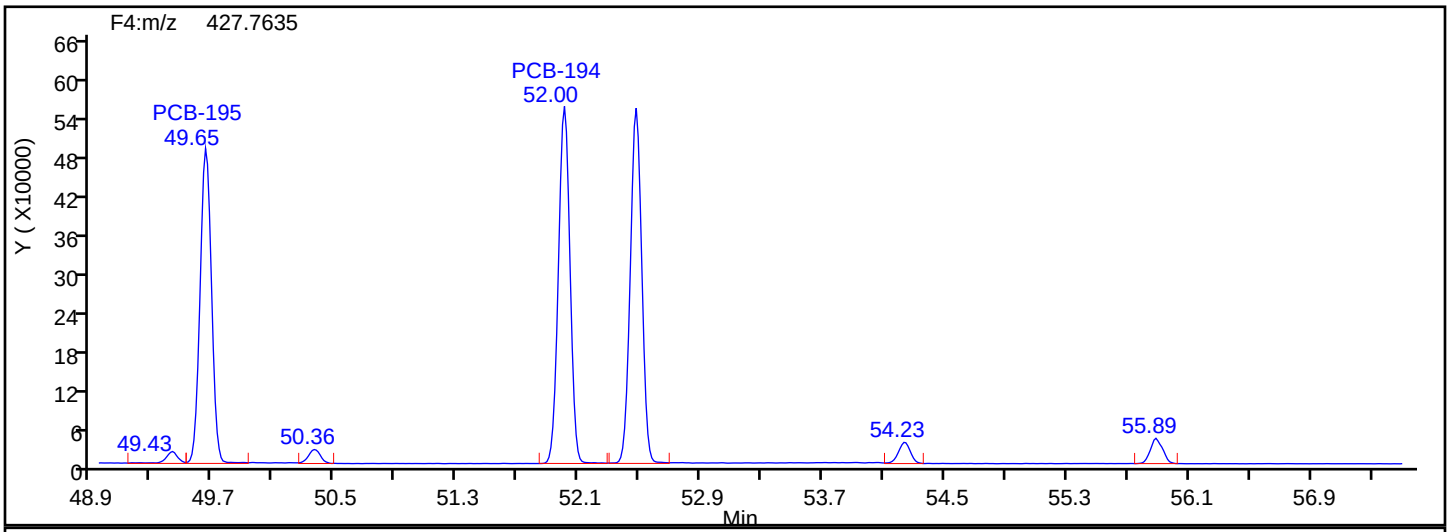
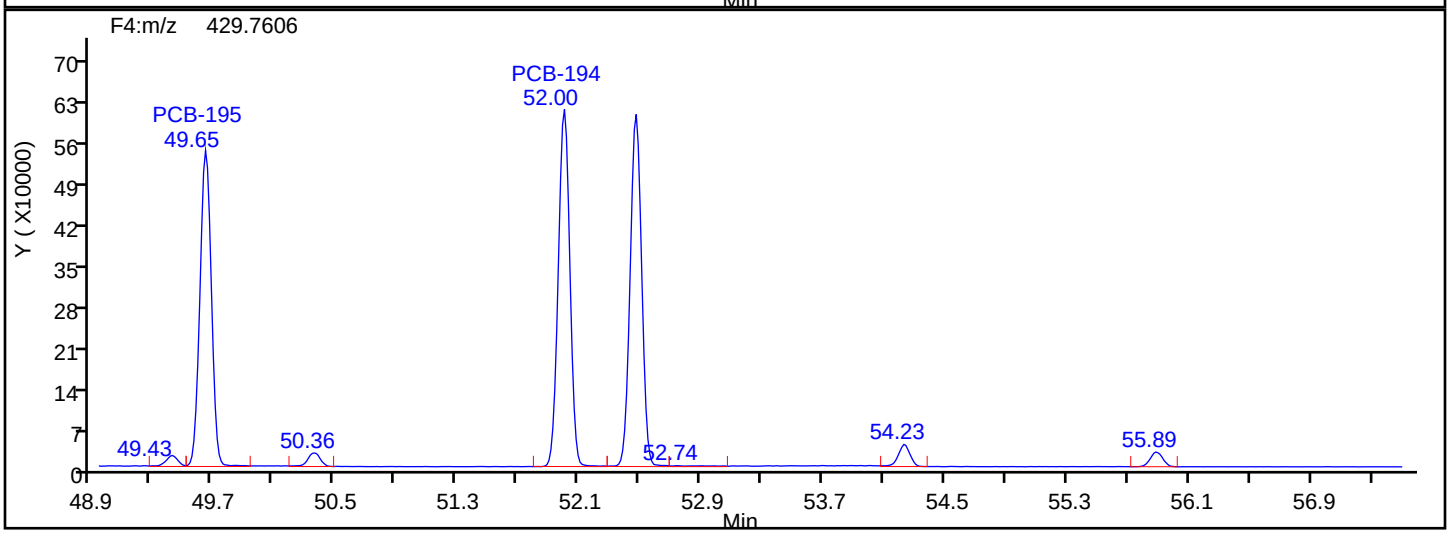
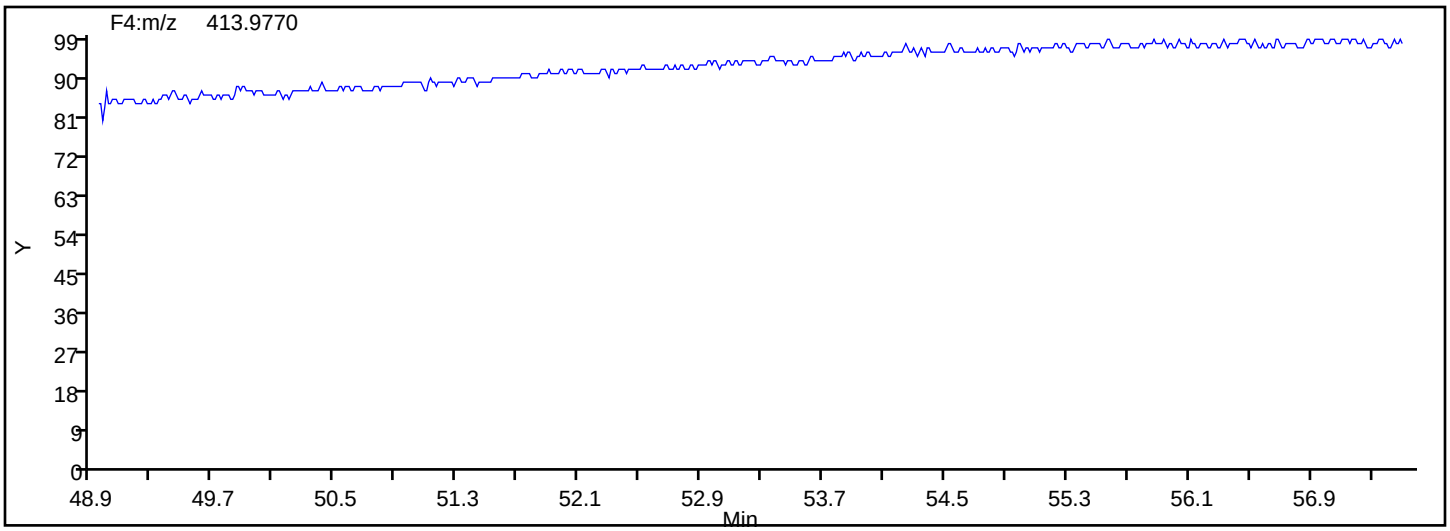
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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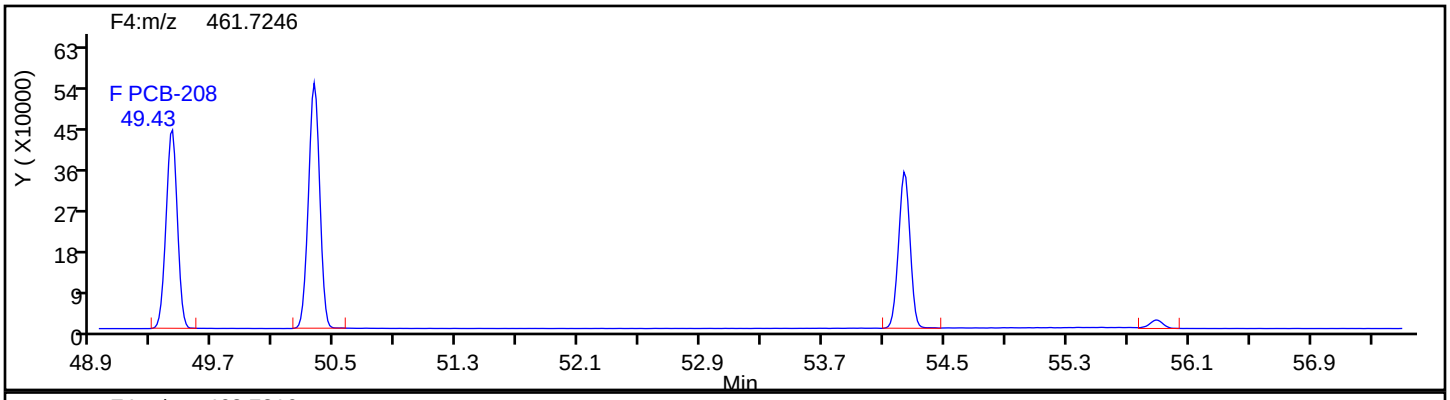
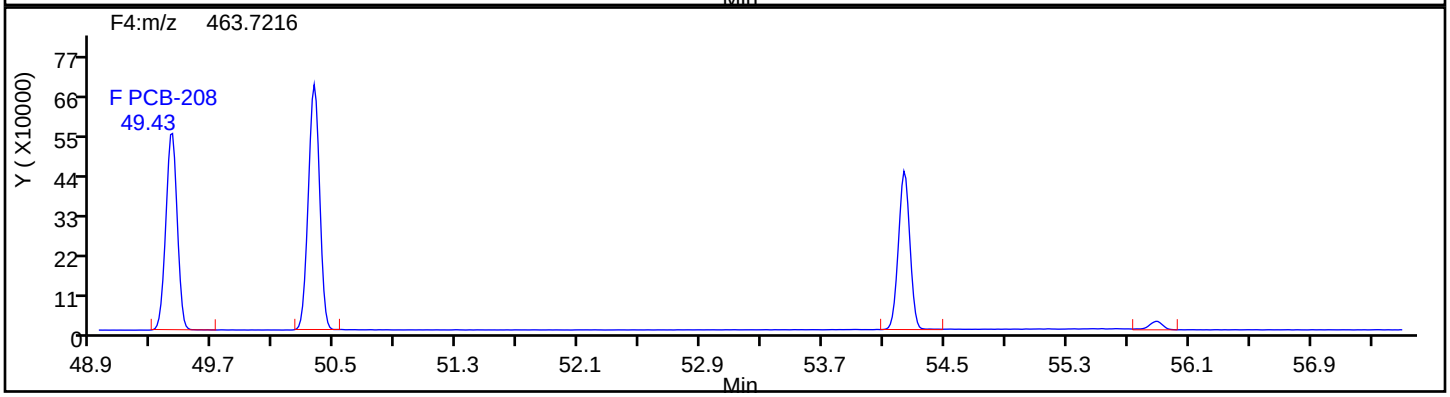
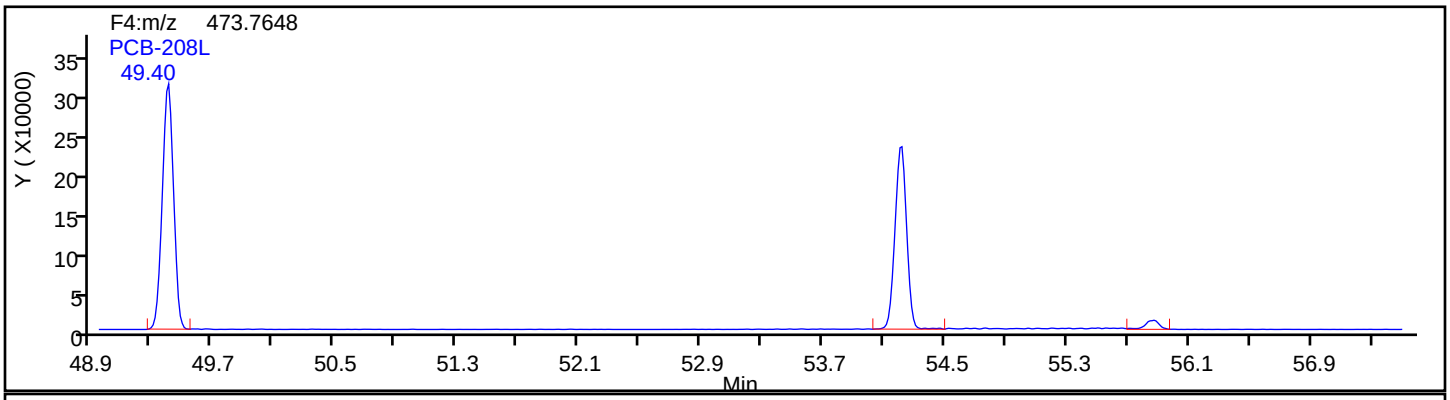
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

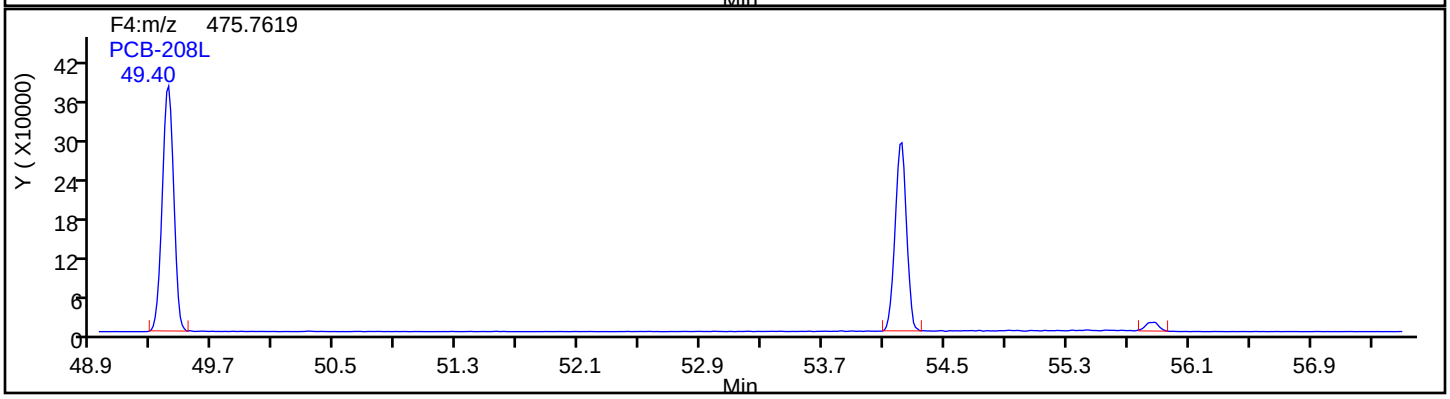
NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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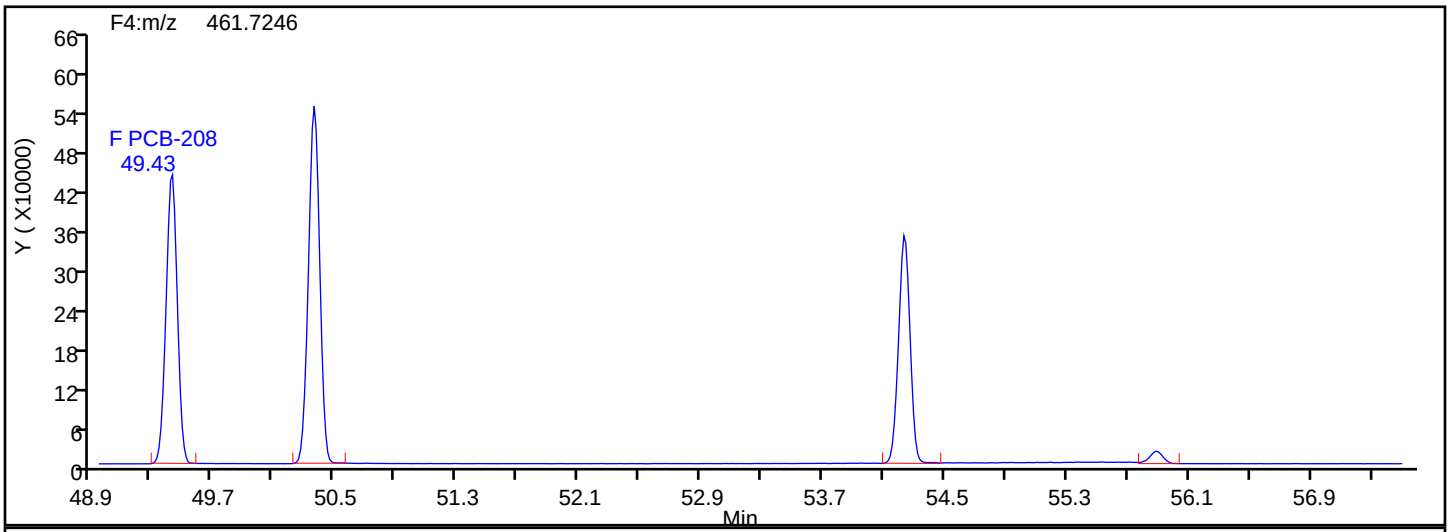
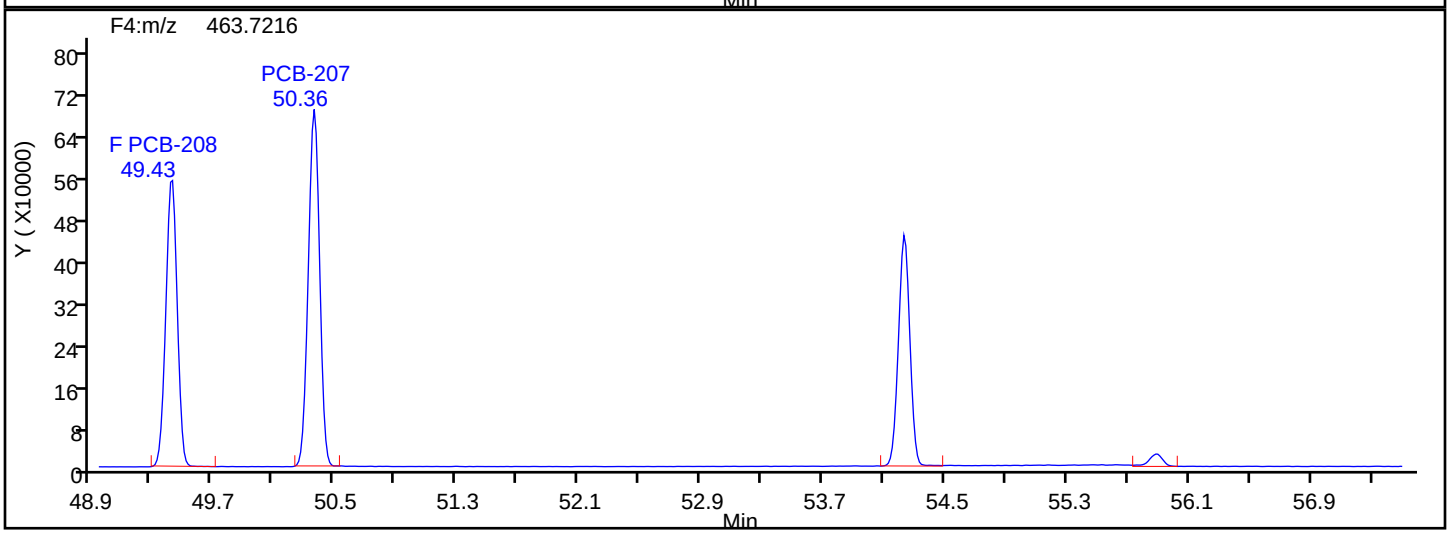
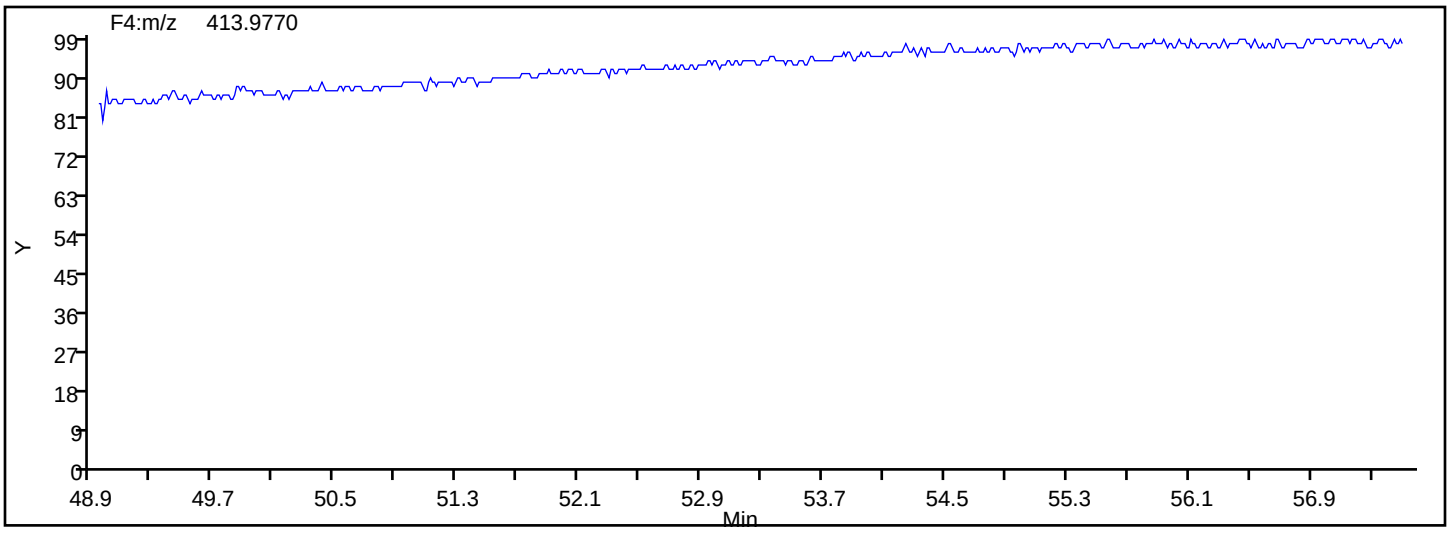
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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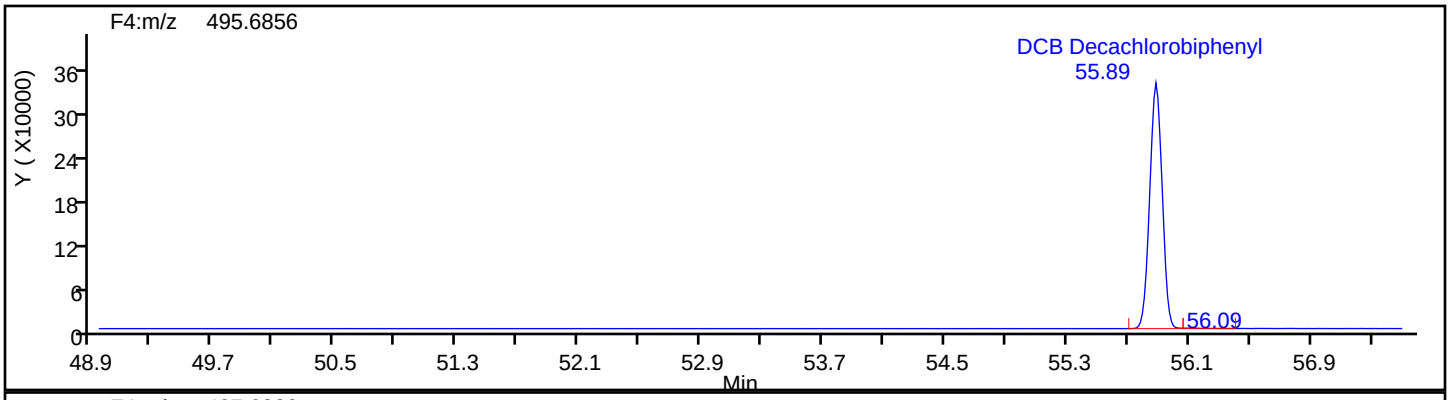
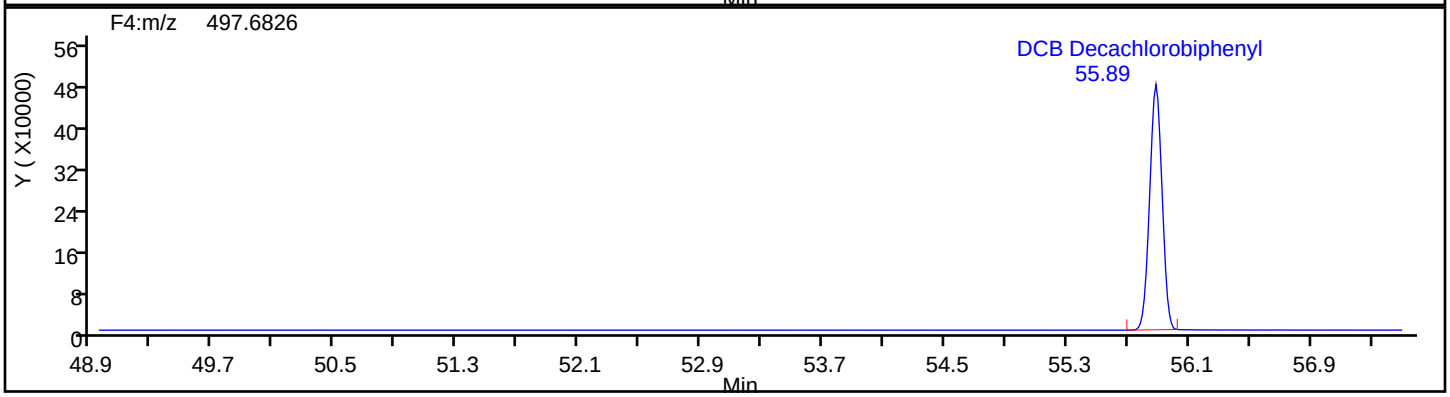
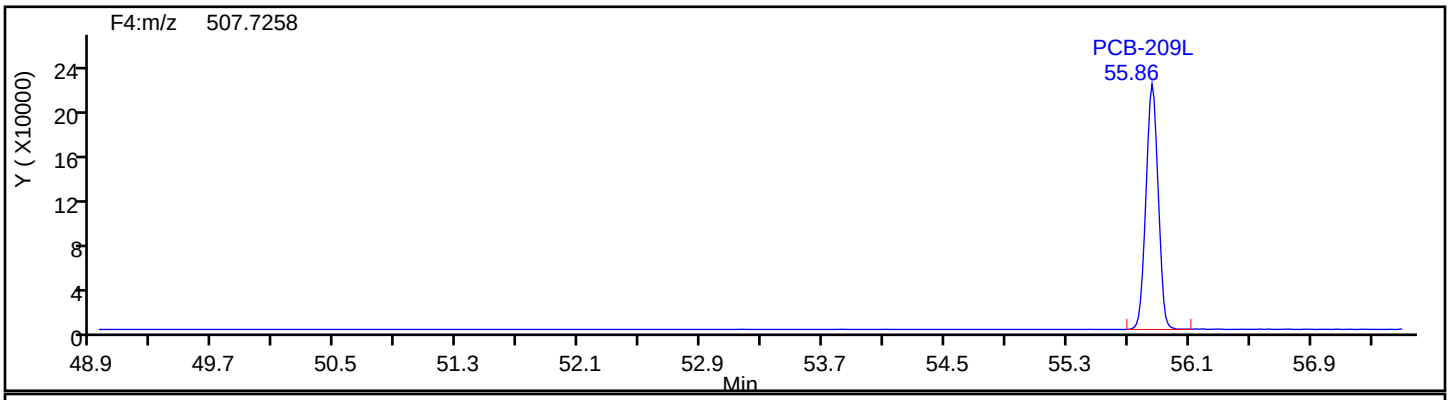
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

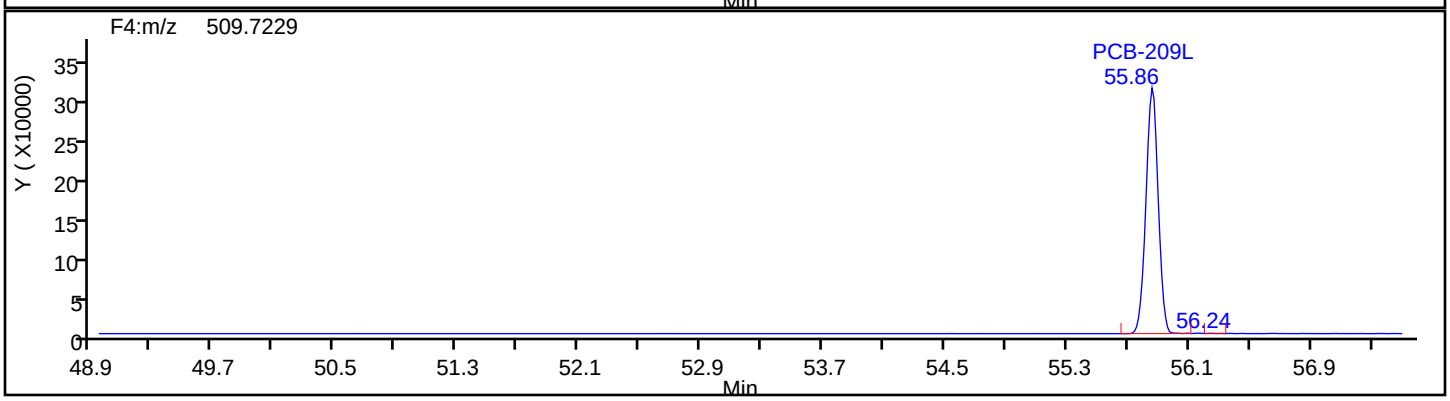
DePCB F4




DePCB F4 Standards

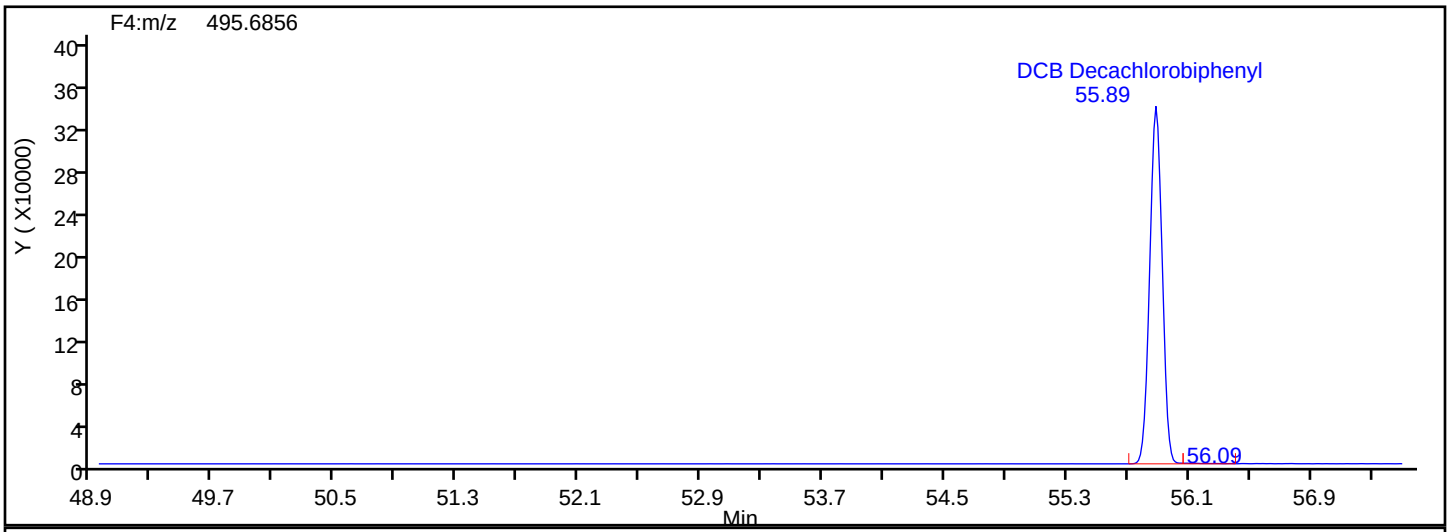


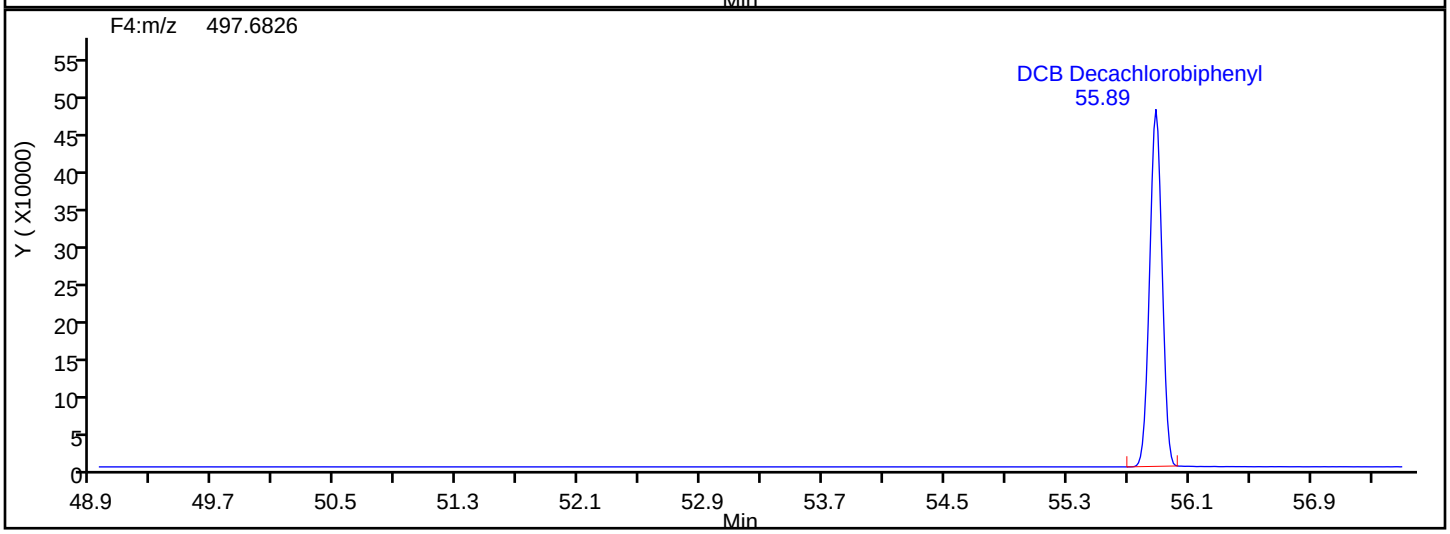



Eurofins TestAmerica, Knoxville

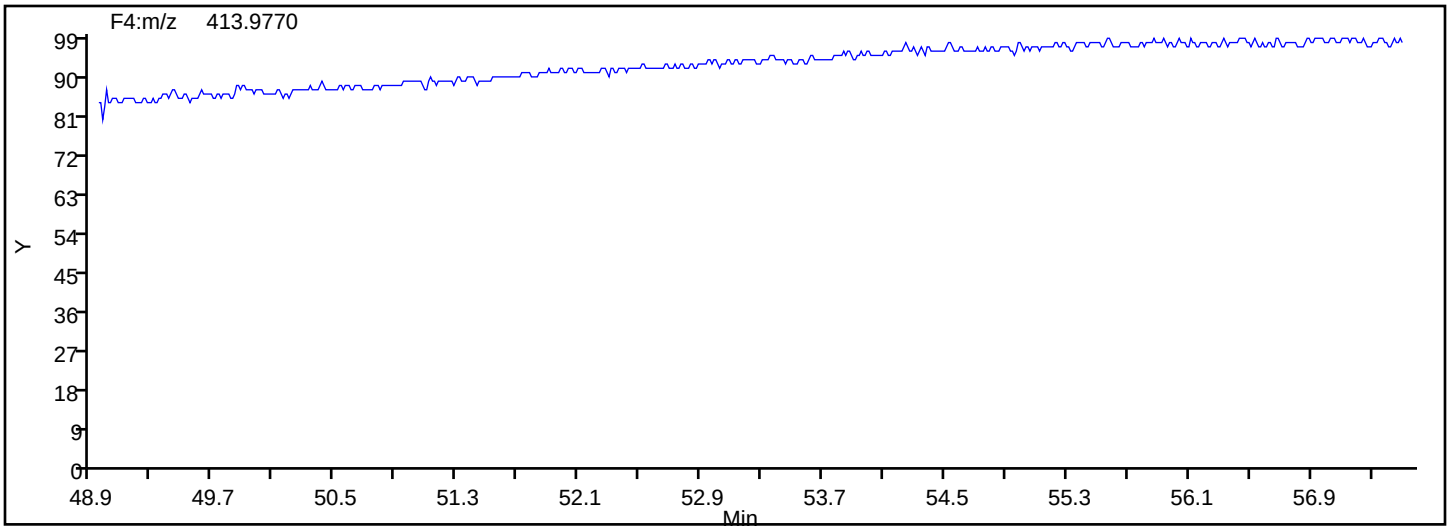
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190822icvb.d | | |
| Injection Date: | 22-Aug-2019 16:26:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33168 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33865/1  Calibration Date: 09/24/2019 12:38

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190924s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.194 | | 50.2 | 50.0 | 100 | 70-130 |
| PCB-2 | AveID | 1.191 | 1.191 | | 50.0 | 50.0 | 100 | 70-130 |
| PCB-3 | AveID | 1.213 | 1.190 | | 49.1 | 50.0 | 98 | 70-130 |
| PCB-4 | AveID | 1.253 | 1.209 | | 48.2 | 50.0 | 96 | 70-130 |
| PCB-10 | AveID | 1.483 | 1.406 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-9 | AveID | 1.420 | 1.385 | | 48.8 | 50.0 | 98 | 70-130 |
| PCB-7 | AveID | 1.624 | 1.589 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-6 | AveID | 1.554 | 1.496 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-5 | AveID | 1.561 | 1.502 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-8 | AveID | 1.588 | 1.545 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-19 | AveID | 1.305 | 1.310 | | 50.2 | 50.0 | 100 | 70-130 |
| PCB-14 | AveID | 1.874 | 1.785 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-18 | AveID | 1.819 | 1.806 | | 99.3 | 100 | 99 | 70-130 |
| PCB-18/30 | AveID | 1.819 | 1.806 | | 99.3 | 100 | 99 | 70-130 |
| PCB-30 | AveID | 1.819 | 1.806 | | 99.3 | 100 | 99 | 70-130 |
| PCB-11 | AveID | 1.635 | 1.480 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-17 | AveID | 1.564 | 1.528 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-12 | AveID | 1.641 | 1.535 | | 93.5 | 100 | 94 | 70-130 |
| PCB-12/13 | AveID | 1.641 | 1.535 | | 93.5 | 100 | 94 | 70-130 |
| PCB-13 | AveID | 1.641 | 1.535 | | 93.5 | 100 | 94 | 70-130 |
| PCB-27 | AveID | 2.168 | 2.074 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-24 | AveID | 2.102 | 2.047 | | 48.7 | 50.0 | 97 | 70-130 |
| PCB-16 | AveID | 1.226 | 1.189 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-15 | AveID | 1.402 | 1.291 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-54 | AveID | 1.256 | 1.113 | | 44.3 | 50.0 | 89 | 70-130 |
| PCB-32 | AveID | 2.342 | 2.274 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-34 | AveID | 1.215 | 1.147 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-23 | AveID | 1.268 | 1.172 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-26 | AveID | 1.319 | 1.189 | | 90.1 | 100 | 90 | 70-130 |
| PCB-26/29 | AveID | 1.319 | 1.189 | | 90.1 | 100 | 90 | 70-130 |
| PCB-29 | AveID | 1.319 | 1.189 | | 90.1 | 100 | 90 | 70-130 |
| PCB-25 | AveID | 1.352 | 1.225 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-50 | AveID | 0.9362 | 0.9649 | | 103 | 100 | 103 | 70-130 |
| PCB-50/53 | AveID | 0.9362 | 0.9649 | | 103 | 100 | 103 | 70-130 |
| PCB-53 | AveID | 0.9362 | 0.9649 | | 103 | 100 | 103 | 70-130 |
| PCB-31 | AveID | 1.381 | 1.260 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-20 | AveID | 1.306 | 1.162 | | 89.0 | 100 | 89 | 70-130 |
| PCB-20/28 | AveID | 1.306 | 1.162 | | 89.0 | 100 | 89 | 70-130 |
| PCB-28 | AveID | 1.306 | 1.162 | | 89.0 | 100 | 89 | 70-130 |
| PCB-45 | AveID | 0.8850 | 0.9040 | | 102 | 100 | 102 | 70-130 |
| PCB-45/51 | AveID | 0.8850 | 0.9040 | | 102 | 100 | 102 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33865/1  Calibration Date: 09/24/2019 12:38

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190924s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.9040 | | 102 | 100 | 102 | 70-130 |
| PCB-21 | AveID | 1.378 | 1.236 | | 89.7 | 100 | 90 | 70-130 |
| PCB-21/33 | AveID | 1.378 | 1.236 | | 89.7 | 100 | 90 | 70-130 |
| PCB-33 | AveID | 1.378 | 1.236 | | 89.7 | 100 | 90 | 70-130 |
| PCB-46 | AveID | 0.7591 | 0.7924 | | 52.2 | 50.0 | 104 | 70-130 |
| PCB-22 | AveID | 1.243 | 1.147 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-52 | AveID | 0.8992 | 0.9367 | | 52.1 | 50.0 | 104 | 70-130 |
| PCB-43 | AveID | 0.999 | 1.026 | | 103 | 100 | 103 | 70-130 |
| PCB-43/73 | AveID | 0.999 | 1.026 | | 103 | 100 | 103 | 70-130 |
| PCB-73 | AveID | 0.999 | 1.026 | | 103 | 100 | 103 | 70-130 |
| PCB-36 | AveID | 1.347 | 1.286 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-49 | AveID | 1.137 | 1.138 | | 100 | 100 | 100 | 70-130 |
| PCB-49/69 | AveID | 1.137 | 1.138 | | 100 | 100 | 100 | 70-130 |
| PCB-69 | AveID | 1.137 | 1.138 | | 100 | 100 | 100 | 70-130 |
| PCB-39 | AveID | 1.397 | 1.273 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-48 | AveID | 0.9454 | 0.9329 | | 49.3 | 50.0 | 99 | 70-130 |
| PCB-104 | AveID | 1.393 | 1.380 | | 49.5 | 50.0 | 99 | 70-130 |
| PCB-44 | AveID | 1.032 | 0.998 | | 145 | 150 | 97 | 70-130 |
| PCB-44/47/65 | AveID | 1.032 | 0.998 | | 145 | 150 | 97 | 70-130 |
| PCB-47 | AveID | 1.032 | 0.998 | | 145 | 150 | 97 | 70-130 |
| PCB-65 | AveID | 1.032 | 0.998 | | 145 | 150 | 97 | 70-130 |
| PCB-38 | AveID | 1.318 | 1.137 | | 43.2 | 50.0 | 86 | 70-130 |
| PCB-59 | AveID | 1.361 | 1.282 | | 141 | 150 | 94 | 70-130 |
| PCB-59/62/75 | AveID | 1.361 | 1.282 | | 141 | 150 | 94 | 70-130 |
| PCB-62 | AveID | 1.361 | 1.282 | | 141 | 150 | 94 | 70-130 |
| PCB-75 | AveID | 1.361 | 1.282 | | 141 | 150 | 94 | 70-130 |
| PCB-96 | AveID | 1.227 | 1.183 | | 48.2 | 50.0 | 96 | 70-130 |
| PCB-42 | AveID | 0.8670 | 0.8743 | | 50.4 | 50.0 | 101 | 70-130 |
| PCB-35 | AveID | 1.217 | 1.084 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-40 | AveID | 0.9179 | 0.8826 | | 144 | 150 | 96 | 70-130 |
| PCB-40/41/71 | AveID | 0.9179 | 0.8826 | | 144 | 150 | 96 | 70-130 |
| PCB-41 | AveID | 0.9179 | 0.8826 | | 144 | 150 | 96 | 70-130 |
| PCB-71 | AveID | 0.9179 | 0.8826 | | 144 | 150 | 96 | 70-130 |
| PCB-37 | AveID | 1.288 | 1.156 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-64 | AveID | 1.416 | 1.349 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-72 | AveID | 1.316 | 1.295 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-103 | AveID | 1.033 | 1.024 | | 49.6 | 50.0 | 99 | 70-130 |
| PCB-68 | AveID | 1.478 | 1.448 | | 49.0 | 50.0 | 98 | 70-130 |
| PCB-94 | AveID | 0.9036 | 0.9011 | | 49.9 | 50.0 | 100 | 70-130 |
| PCB-57 | AveID | 1.282 | 1.260 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-95 | AveID | 0.9620 | 0.9807 | | 51.0 | 50.0 | 102 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33865/1  Calibration Date: 09/24/2019 12:38

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190924s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.314 | | 49.7 | 50.0 | 99 | 70-130 |
| PCB-100 | AveID | 0.9806 | 0.9708 | | 99.0 | 100 | 99 | 70-130 |
| PCB-93 | AveID | 0.9806 | 0.9708 | | 99.0 | 100 | 99 | 70-130 |
| PCB-93/100 | AveID | 0.9806 | 0.9708 | | 99.0 | 100 | 99 | 70-130 |
| PCB-67 | AveID | 1.394 | 1.356 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-102 | AveID | 0.9888 | 0.999 | | 101 | 100 | 101 | 70-130 |
| PCB-98 | AveID | 0.9888 | 0.999 | | 101 | 100 | 101 | 70-130 |
| PCB-98/102 | AveID | 0.9888 | 0.999 | | 101 | 100 | 101 | 70-130 |
| PCB-63 | AveID | 1.468 | 1.435 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-61 | AveID | 1.357 | 1.305 | | 192 | 200 | 96 | 70-130 |
| PCB-61/70/74/76 | AveID | 1.357 | 1.305 | | 192 | 200 | 96 | 70-130 |
| PCB-70 | AveID | 1.357 | 1.305 | | 192 | 200 | 96 | 70-130 |
| PCB-74 | AveID | 1.357 | 1.305 | | 192 | 200 | 96 | 70-130 |
| PCB-76 | AveID | 1.357 | 1.305 | | 192 | 200 | 96 | 70-130 |
| PCB-88 | AveID | 1.005 | 1.000 | | 99.5 | 100 | 100 | 70-130 |
| PCB-88/91 | AveID | 1.005 | 1.000 | | 99.5 | 100 | 100 | 70-130 |
| PCB-91 | AveID | 1.005 | 1.000 | | 99.5 | 100 | 100 | 70-130 |
| PCB-84 | AveID | 0.8601 | 0.8532 | | 49.6 | 50.0 | 99 | 70-130 |
| PCB-66 | AveID | 1.280 | 1.288 | | 50.3 | 50.0 | 101 | 70-130 |
| PCB-55 | AveID | 1.295 | 1.268 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-89 | AveID | 0.8936 | 0.8960 | | 50.1 | 50.0 | 100 | 70-130 |
| PCB-56 | AveID | 1.267 | 1.189 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-121 | AveID | 1.397 | 1.368 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-60 | AveID | 1.329 | 1.271 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-92 | AveID | 0.9532 | 0.9396 | | 49.3 | 50.0 | 99 | 70-130 |
| PCB-80 | AveID | 1.469 | 1.392 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-155 | AveID | 1.303 | 1.188 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-152 | AveID | 1.256 | 1.122 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-101 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-113 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-90 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-90/101/113 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-150 | AveID | 1.237 | 1.151 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-136 | AveID | 1.156 | 1.069 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-83 | AveID | 0.9393 | 0.9418 | | 100 | 100 | 100 | 70-130 |
| PCB-83/99 | AveID | 0.9393 | 0.9418 | | 100 | 100 | 100 | 70-130 |
| PCB-99 | AveID | 0.9393 | 0.9418 | | 100 | 100 | 100 | 70-130 |
| PCB-112 | AveID | 1.367 | 1.325 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-145 | AveID | 1.191 | 1.102 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-109 | AveID | 1.196 | 1.093 | | 274 | 300 | 91 | 70-130 |
| PCB-119 | AveID | 1.196 | 1.093 | | 274 | 300 | 91 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33865/1  Calibration Date: 09/24/2019 12:38

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190924s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.093 | | 274 | 300 | 91 | 70-130 |
| PCB-79 | AveID | 1.542 | 1.427 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-86 | AveID | 1.196 | 1.093 | | 274 | 300 | 91 | 70-130 |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.093 | | 274 | 300 | 91 | 70-130 |
| PCB-87 | AveID | 1.196 | 1.093 | | 274 | 300 | 91 | 70-130 |
| PCB-97 | AveID | 1.196 | 1.093 | | 274 | 300 | 91 | 70-130 |
| PCB-78 | AveID | 1.315 | 1.190 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-116 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-117 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-85 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-85/116/117 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-110 | AveID | 1.351 | 1.303 | | 96.4 | 100 | 96 | 70-130 |
| PCB-110/115 | AveID | 1.351 | 1.303 | | 96.4 | 100 | 96 | 70-130 |
| PCB-115 | AveID | 1.351 | 1.303 | | 96.4 | 100 | 96 | 70-130 |
| PCB-81 | AveID | 1.321 | 1.263 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-82 | AveID | 0.8675 | 0.8372 | | 48.3 | 50.0 | 97 | 70-130 |
| PCB-148 | AveID | 0.8982 | 0.8254 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-77 | AveID | 1.331 | 1.265 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-111 | AveID | 1.426 | 1.396 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-135 | AveID | 0.8691 | 0.7881 | | 90.7 | 100 | 91 | 70-130 |
| PCB-135/151 | AveID | 0.8691 | 0.7881 | | 90.7 | 100 | 91 | 70-130 |
| PCB-151 | AveID | 0.8691 | 0.7881 | | 90.7 | 100 | 91 | 70-130 |
| PCB-120 | AveID | 1.491 | 1.414 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-154 | AveID | 1.018 | 0.9229 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-144 | AveID | 0.9185 | 0.8386 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-147 | AveID | 0.9747 | 0.8897 | | 91.3 | 100 | 91 | 70-130 |
| PCB-147/149 | AveID | 0.9747 | 0.8897 | | 91.3 | 100 | 91 | 70-130 |
| PCB-149 | AveID | 0.9747 | 0.8897 | | 91.3 | 100 | 91 | 70-130 |
| PCB-134 | AveID | 0.8518 | 0.7956 | | 93.4 | 100 | 93 | 70-130 |
| PCB-134/143 | AveID | 0.8518 | 0.7956 | | 93.4 | 100 | 93 | 70-130 |
| PCB-143 | AveID | 0.8518 | 0.7956 | | 93.4 | 100 | 93 | 70-130 |
| PCB-108 | AveID | 1.255 | 1.138 | | 90.7 | 100 | 91 | 70-130 |
| PCB-108/124 | AveID | 1.255 | 1.138 | | 90.7 | 100 | 91 | 70-130 |
| PCB-124 | AveID | 1.255 | 1.138 | | 90.7 | 100 | 91 | 70-130 |
| PCB-139 | AveID | 1.000 | 0.9127 | | 91.3 | 100 | 91 | 70-130 |
| PCB-139/140 | AveID | 1.000 | 0.9127 | | 91.3 | 100 | 91 | 70-130 |
| PCB-140 | AveID | 1.000 | 0.9127 | | 91.3 | 100 | 91 | 70-130 |
| PCB-107 | AveID | 1.358 | 1.265 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-131 | AveID | 0.8584 | 0.7938 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-123 | AveID | 1.341 | 1.253 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-106 | AveID | 1.275 | 1.141 | | 44.8 | 50.0 | 90 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33865/1  Calibration Date: 09/24/2019 12:38

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190924s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.8028 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-118 | AveID | 1.289 | 1.207 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-132 | AveID | 0.8801 | 0.8137 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-122 | AveID | 1.161 | 1.085 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-114 | AveID | 1.405 | 1.277 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-188 | AveID | 1.250 | 1.247 | | 49.9 | 50.0 | 100 | 70-130 |
| PCB-133 | AveID | 0.9064 | 0.8454 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-179 | AveID | 1.415 | 1.415 | | 50.0 | 50.0 | 100 | 70-130 |
| PCB-165 | AveID | 1.121 | 1.065 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-105 | AveID | 1.289 | 1.173 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-146 | AveID | 1.008 | 0.9118 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-161 | AveID | 1.337 | 1.219 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-184 | AveID | 1.419 | 1.383 | | 48.7 | 50.0 | 97 | 70-130 |
| PCB-176 | AveID | 1.521 | 1.544 | | 50.8 | 50.0 | 102 | 70-130 |
| PCB-153 | AveID | 1.221 | 1.130 | | 92.5 | 100 | 93 | 70-130 |
| PCB-153/168 | AveID | 1.221 | 1.130 | | 92.5 | 100 | 93 | 70-130 |
| PCB-168 | AveID | 1.221 | 1.130 | | 92.5 | 100 | 93 | 70-130 |
| PCB-141 | AveID | 0.9608 | 0.8915 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-186 | AveID | 1.435 | 1.444 | | 50.3 | 50.0 | 101 | 70-130 |
| PCB-130 | AveID | 0.8274 | 0.7744 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-127 | AveID | 1.284 | 1.193 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-137 | AveID | 1.058 | 0.9924 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-164 | AveID | 1.253 | 1.131 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-129 | AveID | 1.084 | 0.9877 | | 182 | 200 | 91 | 70-130 |
| PCB-129/138/160/163 | AveID | 1.084 | 0.9877 | | 182 | 200 | 91 | 70-130 |
| PCB-138 | AveID | 1.084 | 0.9877 | | 182 | 200 | 91 | 70-130 |
| PCB-160 | AveID | 1.084 | 0.9877 | | 182 | 200 | 91 | 70-130 |
| PCB-163 | AveID | 1.084 | 0.9877 | | 182 | 200 | 91 | 70-130 |
| PCB-158 | AveID | 1.386 | 1.292 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-178 | AveID | 1.023 | 1.063 | | 52.0 | 50.0 | 104 | 70-130 |
| PCB-175 | AveID | 1.069 | 1.095 | | 51.2 | 50.0 | 102 | 70-130 |
| PCB-126 | AveID | 1.342 | 1.220 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-128 | AveID | 1.116 | 1.021 | | 91.5 | 100 | 91 | 70-130 |
| PCB-128/166 | AveID | 1.116 | 1.021 | | 91.5 | 100 | 91 | 70-130 |
| PCB-166 | AveID | 1.116 | 1.021 | | 91.5 | 100 | 91 | 70-130 |
| PCB-187 | AveID | 1.111 | 1.128 | | 50.8 | 50.0 | 102 | 70-130 |
| PCB-182 | AveID | 1.148 | 1.176 | | 51.2 | 50.0 | 102 | 70-130 |
| PCB-183 | AveID | 1.137 | 1.134 | | 99.7 | 100 | 100 | 70-130 |
| PCB-183/185 | AveID | 1.137 | 1.134 | | 99.7 | 100 | 100 | 70-130 |
| PCB-185 | AveID | 1.137 | 1.134 | | 99.7 | 100 | 100 | 70-130 |
| PCB-174 | AveID | 0.9547 | 0.9827 | | 51.5 | 50.0 | 103 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33865/1  Calibration Date: 09/24/2019 12:38

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190924s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.225 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-162 | AveID | 1.362 | 1.270 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-177 | AveID | 0.9426 | 0.9888 | | 52.5 | 50.0 | 105 | 70-130 |
| PCB-202 | AveID | 1.053 | 0.9400 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-167 | AveID | 1.336 | 1.271 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-181 | AveID | 1.107 | 1.142 | | 51.6 | 50.0 | 103 | 70-130 |
| PCB-171 | AveID | 0.9603 | 0.998 | | 104 | 100 | 104 | 70-130 |
| PCB-171/173 | AveID | 0.9603 | 0.998 | | 104 | 100 | 104 | 70-130 |
| PCB-173 | AveID | 0.9603 | 0.998 | | 104 | 100 | 104 | 70-130 |
| PCB-201 | AveID | 1.186 | 1.070 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-156 | AveID | 1.276 | 1.223 | | 95.9 | 100 | 96 | 70-130 |
| PCB-156/157 | AveID | 1.276 | 1.223 | | 95.9 | 100 | 96 | 70-130 |
| PCB-157 | AveID | 1.276 | 1.223 | | 95.9 | 100 | 96 | 70-130 |
| PCB-204 | AveID | 1.101 | 1.014 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-197 | AveID | 1.205 | 1.079 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-200 | AveID | 1.126 | 1.051 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-172 | AveID | 0.9918 | 1.024 | | 51.6 | 50.0 | 103 | 70-130 |
| PCB-192 | AveID | 1.290 | 1.371 | | 53.1 | 50.0 | 106 | 70-130 |
| PCB-180 | AveID | 1.229 | 1.266 | | 103 | 100 | 103 | 70-130 |
| PCB-180/193 | AveID | 1.229 | 1.266 | | 103 | 100 | 103 | 70-130 |
| PCB-193 | AveID | 1.229 | 1.266 | | 103 | 100 | 103 | 70-130 |
| PCB-191 | AveID | 1.385 | 1.448 | | 52.3 | 50.0 | 105 | 70-130 |
| PCB-170 | AveID | 1.270 | 1.352 | | 53.2 | 50.0 | 106 | 70-130 |
| PCB-190 | AveID | 1.377 | 1.442 | | 52.3 | 50.0 | 105 | 70-130 |
| PCB-169 | AveID | 1.283 | 1.218 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-198 | AveID | 0.8183 | 0.7397 | | 90.4 | 100 | 90 | 70-130 |
| PCB-198/199 | AveID | 0.8183 | 0.7397 | | 90.4 | 100 | 90 | 70-130 |
| PCB-199 | AveID | 0.8183 | 0.7397 | | 90.4 | 100 | 90 | 70-130 |
| PCB-196 | AveID | 0.8748 | 0.7787 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-203 | AveID | 0.9219 | 0.8355 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-208 | AveID | 1.157 | 1.078 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-195 | AveID | 0.7839 | 0.8449 | | 53.9 | 50.0 | 108 | 70-130 |
| PCB-189 | AveID | 1.280 | 1.184 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-207 | AveID | 1.396 | 1.339 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-194 | AveID | 0.9282 | 0.9060 | | 48.8 | 50.0 | 98 | 70-130 |
| PCB-205 | AveID | 1.234 | 1.165 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-206 | AveID | 1.193 | 1.120 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-209 | AveID | 1.246 | 1.214 | | 48.7 | 50.0 | 97 | 70-130 |
| PCB-1L | Ave | 1.314 | 1.514 | | 115 | 100 | 115 | 50-150 |
| PCB-3L | Ave | 1.362 | 1.572 | | 115 | 100 | 115 | 50-150 |
| PCB-4L | Ave | 0.5996 | 0.5855 | | 97.7 | 100 | 98 | 50-150 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33865/1  Calibration Date: 09/24/2019 12:38

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190924s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.6212 | | 102 | 100 | 102 | 50-150 |
| PCB-15L | Ave | 1.028 | 1.024 | | 99.6 | 100 | 100 | 50-150 |
| PCB-54L | Ave | 0.6515 | 0.8087 | | 124 | 100 | 124 | 50-150 |
| PCB-104L | Ave | 1.116 | 1.255 | | 112 | 100 | 112 | 50-150 |
| PCB-37L | Ave | 0.9024 | 0.8996 | | 99.7 | 100 | 100 | 50-150 |
| PCB-155L | Ave | 0.9499 | 1.106 | | 116 | 100 | 116 | 50-150 |
| PCB-81L | Ave | 1.233 | 1.217 | | 98.7 | 100 | 99 | 50-150 |
| PCB-77L | Ave | 1.252 | 1.240 | | 99.0 | 100 | 99 | 50-150 |
| PCB-123L | Ave | 0.9909 | 0.9863 | | 99.5 | 100 | 100 | 50-150 |
| PCB-118L | Ave | 1.026 | 1.036 | | 101 | 100 | 101 | 50-150 |
| PCB-114L | Ave | 1.003 | 1.011 | | 101 | 100 | 101 | 50-150 |
| PCB-188L | Ave | 1.316 | 1.309 | | 99.5 | 100 | 99 | 50-150 |
| PCB-105L | Ave | 1.001 | 1.009 | | 101 | 100 | 101 | 50-150 |
| PCB-126L | Ave | 0.9020 | 0.9479 | | 105 | 100 | 105 | 50-150 |
| PCB-202L | Ave | 1.006 | 1.058 | | 105 | 100 | 105 | 50-150 |
| PCB-167L | Ave | 1.254 | 1.275 | | 102 | 100 | 102 | 50-150 |
| PCB-156L | Ave | 1.229 | 1.251 | | 204 | 200 | 102 | 50-150 |
| PCB-156L/157L | Ave | 1.229 | 1.251 | | 204 | 200 | 102 | 50-150 |
| PCB-157L | Ave | 1.229 | 1.251 | | 204 | 200 | 102 | 50-150 |
| PCB-170L | Ave | 0.8357 | 0.8162 | | 97.7 | 100 | 98 | 50-150 |
| PCB-169L | Ave | 1.088 | 1.190 | | 109 | 100 | 109 | 50-150 |
| PCB-208L | Ave | 1.138 | 1.115 | | 97.9 | 100 | 98 | 50-150 |
| PCB-189L | Ave | 1.467 | 1.508 | | 103 | 100 | 103 | 50-150 |
| PCB-205L | Ave | 1.287 | 1.200 | | 93.3 | 100 | 93 | 50-150 |
| PCB-206L | Ave | 0.8938 | 0.7539 | | 84.3 | 100 | 84 | 50-150 |
| PCB-209L | Ave | 0.9809 | 0.7256 | | 74.0 | 100 | 74 | 50-150 |
| PCB-8L | AveID | 1.309 | 1.171 | | 44.7 | 50.0 | 89 | 50-150 |
| PCB-28L | Ave | 1.098 | 1.062 | | 48.4 | 50.0 | 97 | 60-130 |
| PCB-95L | AveID | 0.7770 | 0.7625 | | 49.1 | 50.0 | 98 | 50-150 |
| PCB-79L | AveID | 1.124 | 1.037 | | 46.1 | 50.0 | 92 | 50-150 |
| PCB-111L | Ave | 1.218 | 1.324 | | 54.4 | 50.0 | 109 | 60-130 |
| PCB-153L | AveID | 0.9597 | 0.8229 | | 42.9 | 50.0 | 86 | 50-150 |
| PCB-178L | Ave | 0.9222 | 0.9885 | | 53.6 | 50.0 | 107 | 60-130 |

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

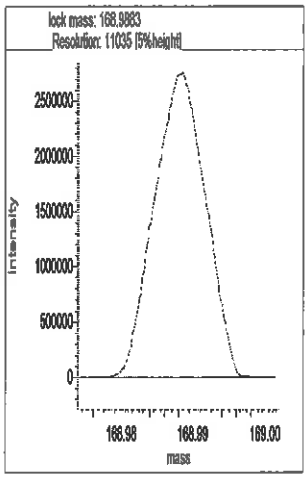
| | |
|---|---|
| Date: | 24 Sep 2019 12:05 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

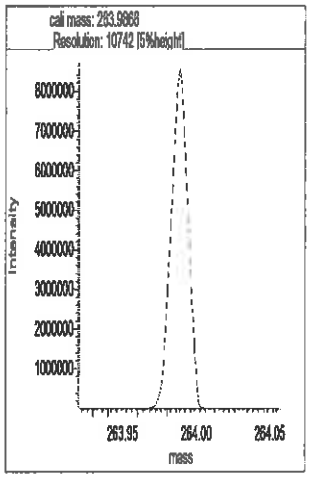
## Segment 1

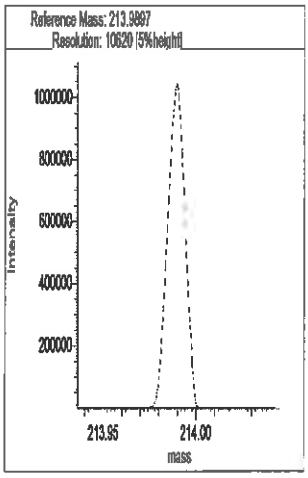
Lock mass 168.9883 [m/z] Resolution: 11035 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10742 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 10620 [5%height]




## Segment 2

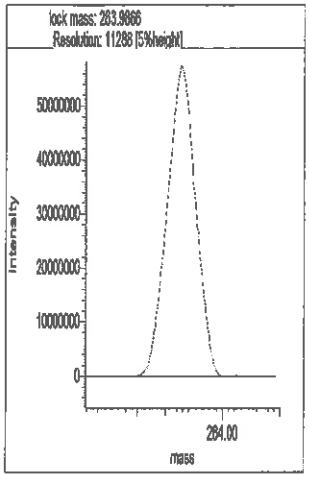
Lock mass 263.9866 [m/z] Resolution: 11288 [5%height]

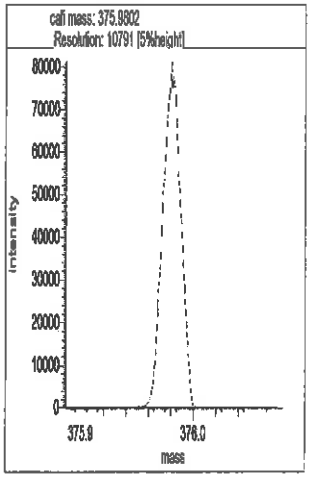
Cali. mass 375.9802 [m/z] Resolution: 10791 [5%height]

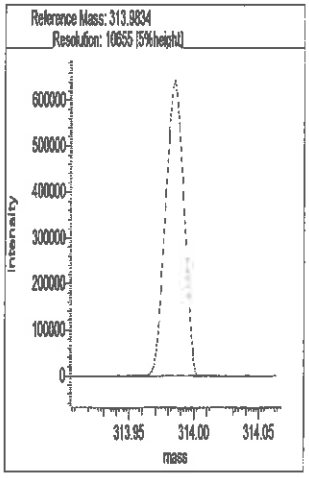
Ref. mass 313.9834 [m/z] Resolution: 10655 [5%height]

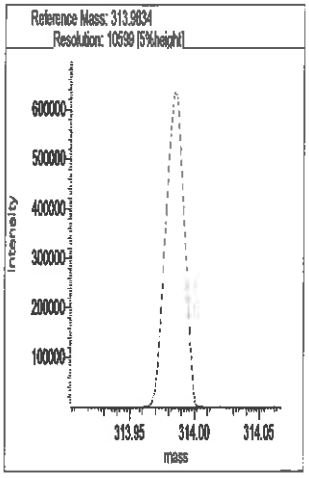
Ref. mass 313.9834 [m/z] Resolution: 10599 [5%height]

_190924s1a







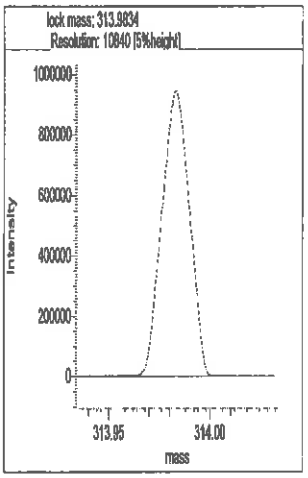


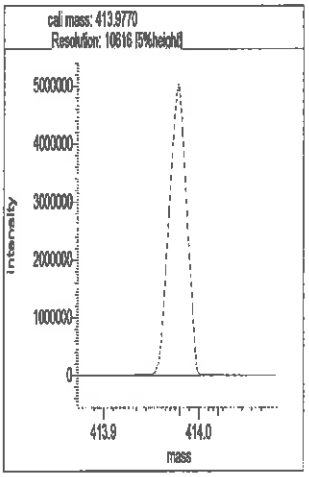

Segment 3

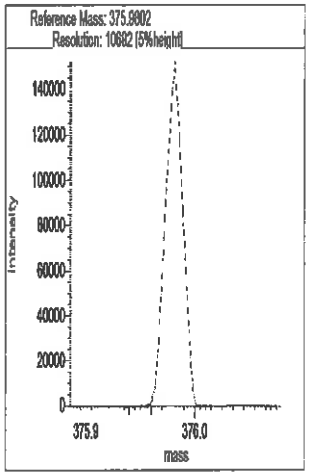
Lock mass 313.9834 [m/z] Resolution: 10840 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 10616 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 10692 [5%height]





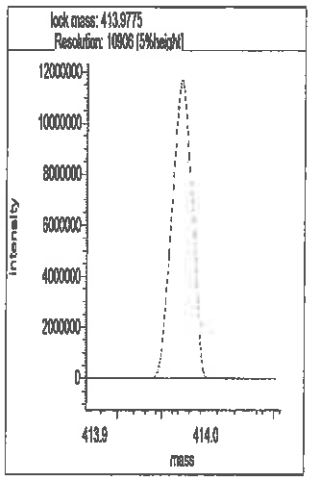



Segment 4

Lock mass 413.9775 [m/z] Resolution: 10906 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 10658 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 10682 [5%height]


lock mass: 413.9775
Resolution: 10908 [5%height]
Intensity
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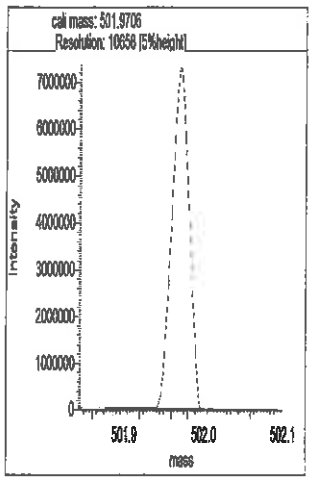
10000000
8000000
6000000
4000000
2000000
0
413.9
414.0
mass


cal mass: 501.9706
Resolution: 10658 [5%height]
Intensity
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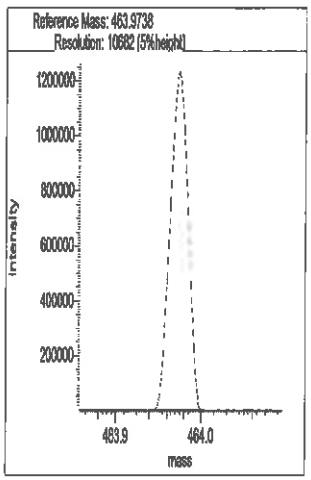
6000000
5000000
4000000
3000000
2000000
1000000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 10682 [5%height]
Intensity
1200000
1000000
800000
600000
400000
200000
463.9
464.0
mass

```
Reports
12:14:54:  Peak matching procedure started
12:14:54:
12:14:55:  Reference mass: 168.98827
12:14:55:  Sample mass: 214.0
12:14:56:
12:14:56:  Finding reference mass
12:14:57:  Finding sample mass
12:14:58:
12:15:03:  [1]    213.9887 amu, mean: 213.9887
12:15:06:  [2]    213.9890 amu, mean: 213.9888     SD: 0.22 mmu or: 1.01 ppm
12:15:10:  [3]    213.9890 amu, mean: 213.9889     SD: 0.18 mmu or: 0.84 ppm
12:15:13:  [4]    213.9890 amu, mean: 213.9889     SD: 0.15 mmu or: 0.72 ppm
12:15:14:
12:15:14:  Stop requested. Please wait for procedure to finish.
12:15:14:
12:15:17:
12:15:17:  Peakmatching stopped
```

Signature UM 9-24-19

```
Reports
12:15:36:  Peak matching procedure started
12:15:37:
12:15:37:  Reference mass: 213.98975
12:15:38:  Sample mass: 264.0
12:15:38:
12:15:39:  Finding reference mass
12:15:39:  Finding sample mass
12:15:40:
12:15:46:  [1]   263.9862 amu, mean: 263.9862
12:15:49:  [2]   263.9861 amu, mean: 263.9861     SD: 0.08 mmu or: 0.30 ppm
12:15:52:  [3]   263.9859 amu, mean: 263.9860     SD: 0.16 mmu or: 0.62 ppm
12:15:55:  [4]   263.9857 amu, mean: 263.9860     SD: 0.22 mmu or: 0.81 ppm
12:15:56:
12:15:56:  Stop requested. Please wait for procedure to finish.
12:15:56:
12:15:58:  [5]   263.9858 amu, mean: 263.9859     SD: 0.21 mmu or: 0.78 ppm
12:16:00:
12:16:01:  Peakmatching stopped
```

Signature CM 9-24-19

Reports

```
12:16:19:  Peak matching procedure started
12:16:20:
12:16:20:  Reference mass: 263.98656
12:16:21:  Sample mass: 314.0
12:16:22:
12:16:22:  Finding reference mass
12:16:23:  Finding sample mass
12:16:24:
12:16:29:  [1]    313.9823 amu, mean: 313.9823
12:16:32:  [2]    313.9825 amu, mean: 313.9824      SD: 0.11 mmu or: 0.33 ppm
12:16:35:  [3]    313.9823 amu, mean: 313.9824      SD: 0.10 mmu or: 0.33 ppm
12:16:38:  [4]    313.9823 amu, mean: 313.9824      SD: 0.09 mmu or: 0.28 ppm
12:16:39:
12:16:39:  Stop requested. Please wait for procedure to finish.
12:16:39:
12:16:42:
12:16:42:  Peakmatching stopped
```

Signature KM 9-24-19

Reports

```
12:17:09:  Peak matching procedure started
12:17:10:
12:17:10:  Reference mass: 313.98336
12:17:11:  Sample mass: 376.0
12:17:11:
12:17:12:  Finding reference mass
12:17:13:  Finding sample mass
12:17:13:
12:17:19:  [1]    375.9788 amu, mean: 375.9788
12:17:22:  [2]    375.9789 amu, mean: 375.9789     SD: 0.08 mmu or: 0.20 ppm
12:17:25:  [3]    375.9786 amu, mean: 375.9788     SD: 0.17 mmu or: 0.45 ppm
12:17:29:  [4]    375.9785 amu, mean: 375.9787     SD: 0.19 mmu or: 0.51 ppm
12:17:29:
12:17:29:  Stop requested. Please wait for procedure to finish.
12:17:29:
12:17:32:
12:17:32:  Peakmatching stopped
```

Signature UM 9-24-19

```
Reports
12:17:09:  Peak matching procedure started
12:17:10:
12:17:10:  Reference mass: 313.98336
12:17:11:  Sample mass: 376.0
12:17:11:
12:17:12:  Finding reference mass
12:17:13:  Finding sample mass
12:17:13:
12:17:19:  [1]    375.9788 amu, mean: 375.9788
12:17:22:  [2]    375.9789 amu, mean: 375.9789     SD: 0.08 mmu or: 0.20 ppm
12:17:25:  [3]    375.9786 amu, mean: 375.9788     SD: 0.17 mmu or: 0.45 ppm
12:17:29:  [4]    375.9785 amu, mean: 375.9787     SD: 0.19 mmu or: 0.51 ppm
12:17:29:
12:17:29:  Stop requested. Please wait for procedure to finish.
12:17:29:
12:17:32:
12:17:32:  Peakmatching stopped
```

Signature UM 9-24-19

```
Reports
12:17:59:  Peak matching procedure started
12:17:59:
12:18:00:  Reference mass: 375.98017
12:18:00:  Sample mass: 414.0
12:18:01:
12:18:01:  Finding reference mass
12:18:02:  Finding sample mass
12:18:03:
12:18:09:  [1]    413.9758 amu, mean: 413.9758
12:18:12:  [2]    413.9759 amu, mean: 413.9758     SD: 0.01 mmu or: 0.03 ppm
12:18:15:  [3]    413.9760 amu, mean: 413.9759     SD: 0.11 mmu or: 0.26 ppm
12:18:18:  [4]    413.9758 amu, mean: 413.9759     SD: 0.11 mmu or: 0.26 ppm
12:18:18:
12:18:18:  Stop requested. Please wait for procedure to finish.
12:18:18:
12:18:21:
12:18:22:  Peakmatching stopped
```

Signature KM 9-24-19

```
Reports
12:18:48:  Peak matching procedure started
12:18:49:
12:18:49:  Reference mass: 413.97698
12:18:50:  Sample mass: 464.0
12:18:50:
12:18:51:  Finding reference mass
12:18:52:  Finding sample mass
12:18:52:
12:18:58:  [1]    463.9713 amu, mean: 463.9713
12:19:01:  [2]    463.9714 amu, mean: 463.9713     SD: 0.06 mmu or: 0.13 ppm
12:19:04:  [3]    463.9716 amu, mean: 463.9714     SD: 0.18 mmu or: 0.39 ppm
12:19:07:  [4]    463.9714 amu, mean: 463.9714     SD: 0.15 mmu or: 0.32 ppm
12:19:08:
12:19:08:  Stop requested. Please wait for procedure to finish.
12:19:08:
12:19:11:
12:19:12:  Peakmatching stopped
```

Signature EM 9-24-19

```
Reports
12:19:31:  Peak matching procedure started
12:19:32:
12:19:32:  Reference mass: 463.97378
12:19:33:  Sample mass: 502.0
12:19:33:
12:19:34:  Finding reference mass
12:19:35:  Finding sample mass
12:19:35:
12:19:41:  [1]    501.9699 amu, mean: 501.9699
12:19:44:  [2]    501.9703 amu, mean: 501.9701     SD: 0.30 mmu or: 0.60 ppm
12:19:47:  [3]    501.9700 amu, mean: 501.9701     SD: 0.22 mmu or: 0.43 ppm
12:19:50:  [4]    501.9700 amu, mean: 501.9700     SD: 0.18 mmu or: 0.36 ppm
12:19:51:
12:19:51:  Stop requested. Please wait for procedure to finish.
12:19:51:
12:19:53:  [5]    501.9702 amu, mean: 501.9701     SD: 0.18 mmu or: 0.35 ppm
12:19:55:
12:19:55:  Peakmatching stopped
```

Signature KM 9-24-19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

| | |
|---|---|
| Date: | 24 Sep 2019 23:35 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

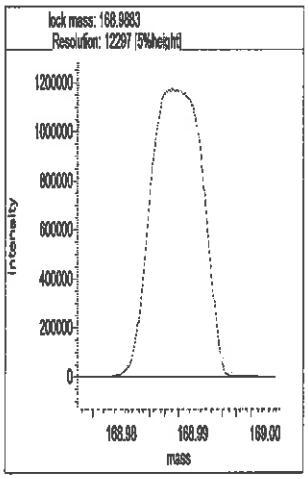
Segment 1

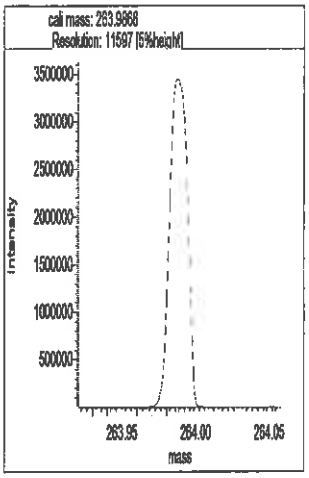
Lock mass 168.9883 [m/z] Resolution: 12297 [5%height]

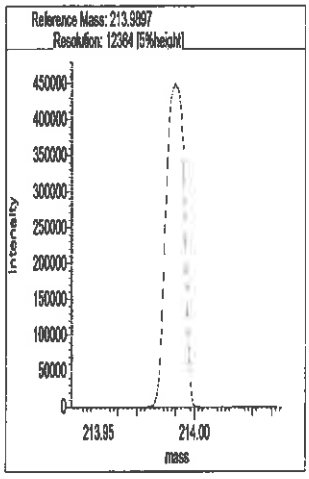
Cali. mass 263.9866 [m/z] Resolution: 11597 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 12364 [5%height]

-190924s1c



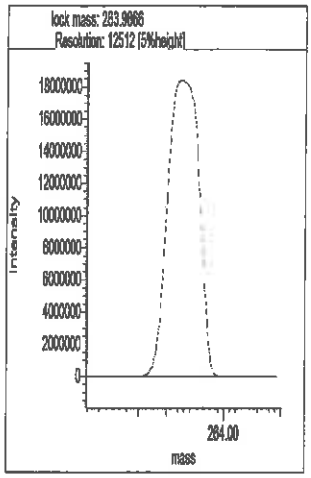

Segment 2

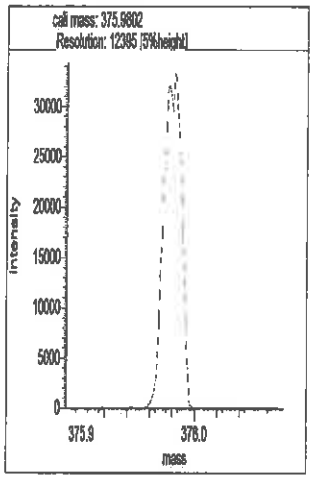
Lock mass 263.9866 [m/z] Resolution: 12512 [5%height]

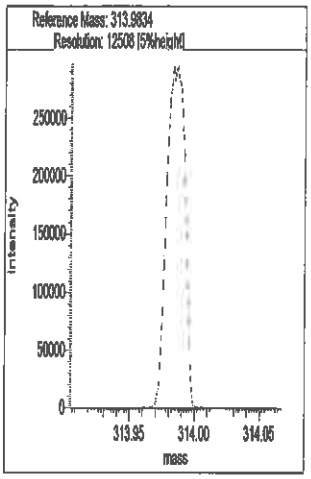
Cali. mass 375.9802 [m/z] Resolution: 12395 [5%height]

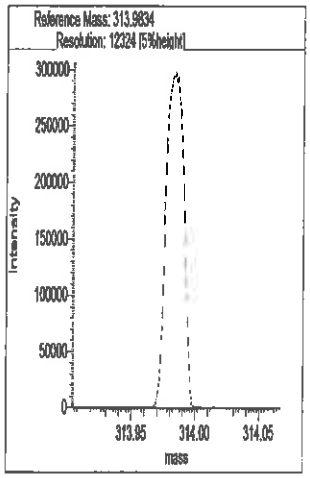
Ref. mass 313.9834 [m/z] Resolution: 12508 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 12324 [5%height]



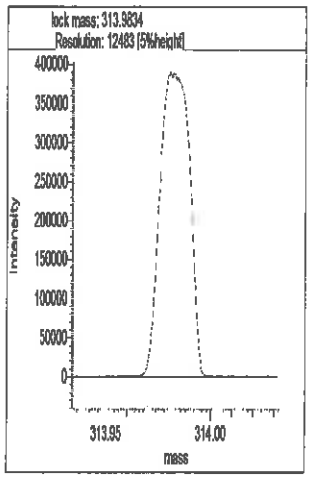



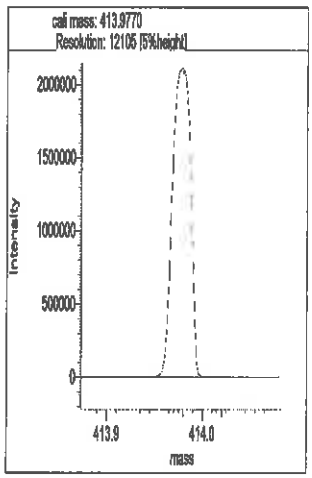

Segment 3

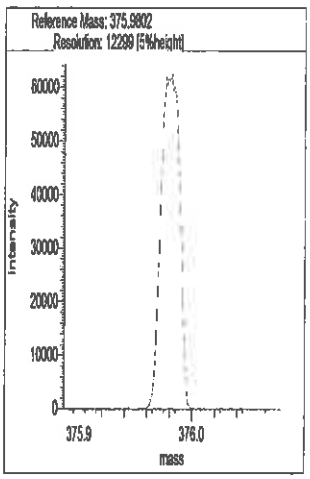
Lock mass 313.9834 [m/z] Resolution: 12483 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 12105 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 12299 [5%height]



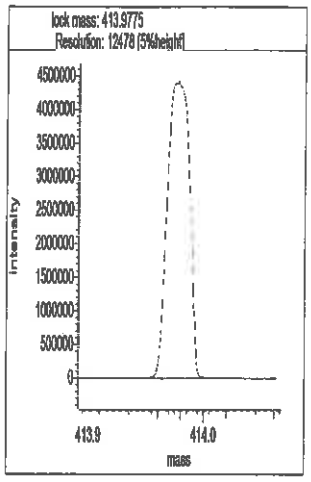



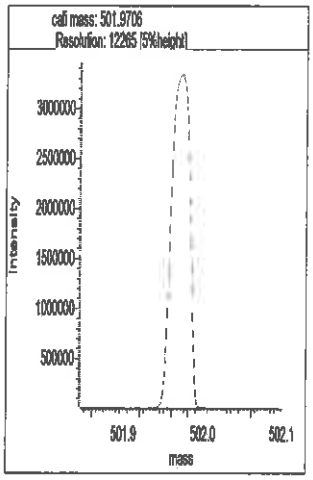

Segment 4

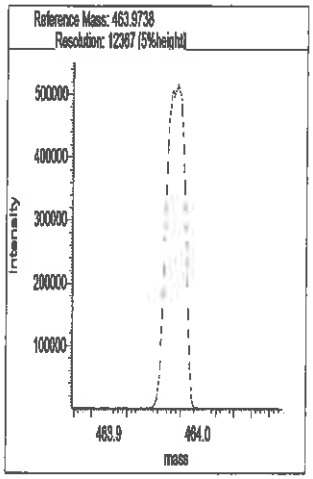
Lock mass 413.9775 [m/z] Resolution: 12478 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 12265 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12367 [5%height]


lock mass: 413.9775
Resolution: 12478 [5%height]
Intensity
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
413.9
414.0
mass


cali mass: 501.9706
Resolution: 12265 [5%height]
Intensity
3000000
2500000
2000000
1500000
1000000
500000
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12367 [5%height]
Intensity
500000
400000
300000
200000
100000
463.9
464.0
mass

```
Reports
23:44:50:  Peak matching procedure started
23:44:51:
23:44:51:  Reference mass: 168.98827
23:44:52:  Sample mass: 214.0
23:44:52:
23:44:53:  Finding reference mass
23:44:54:  Finding sample mass
23:44:54:
23:45:00:  [1]   213.9890 amu, mean: 213.9890
23:45:03:  [2]   213.9890 amu, mean: 213.9890     SD: 0.01 mmu or: 0.04 ppm
23:45:06:  [3]   213.9893 amu, mean: 213.9891     SD: 0.20 mmu or: 0.93 ppm
23:45:09:  [4]   213.9894 amu, mean: 213.9892     SD: 0.22 mmu or: 1.05 ppm
23:45:10:
23:45:10:  Stop requested. Please wait for procedure to finish.
23:45:10:
23:45:13:
23:45:13:  Peakmatching stopped
```

Signature PMP 9-24-19

```
Reports
23:46:28:  Peak matching procedure started
23:46:29:
23:46:29:  Reference mass: 213.98975
23:46:30:  Sample mass: 264.0
23:46:30:
23:46:31:  Finding reference mass
23:46:32:  Finding sample mass
23:46:32:
23:46:38:  [1]    263.9859 amu, mean: 263.9859
23:46:41:  [2]    263.9859 amu, mean: 263.9859     SD: 0.01 mmu or: 0.05 ppm
23:46:44:  [3]    263.9860 amu, mean: 263.9860     SD: 0.07 mmu or: 0.27 ppm
23:46:47:  [4]    263.9861 amu, mean: 263.9860     SD: 0.10 mmu or: 0.37 ppm
23:46:48:
23:46:48:  Stop requested. Please wait for procedure to finish.
23:46:48:
23:46:51:
23:46:51:  Peakmatching stopped
```

Signature PMP 9-24-19

```
Reports
23:47:42:  Peak matching procedure started
23:47:42:
23:47:43:  Reference mass: 263.98656
23:47:43:  Sample mass: 314.0
23:47:44:
23:47:44:  Finding reference mass
23:47:45:  Finding sample mass
23:47:46:
23:47:51:  [1]    313.9829 amu, mean: 313.9829
23:47:54:  [2]    313.9833 amu, mean: 313.9831     SD: 0.29 mmu or: 0.91 ppm
23:47:57:  [3]    313.9828 amu, mean: 313.9830     SD: 0.24 mmu or: 0.78 ppm
23:48:01:  [4]    313.9826 amu, mean: 313.9829     SD: 0.29 mmu or: 0.92 ppm
23:48:01:
23:48:01:  Stop requested. Please wait for procedure to finish.
23:48:01:
23:48:04:
23:48:04:  Peakmatching stopped
```

Signature PMP 9-24-19

```
Reports
23:49:08:  Peak matching procedure started
23:49:09:
23:49:09:  Reference mass: 313.98336
23:49:10:  Sample mass: 376.0
23:49:10:
23:49:11:  Finding reference mass
23:49:12:  Finding sample mass
23:49:12:
23:49:18:  [1]    375.9786 amu, mean: 375.9786
23:49:21:  [2]    375.9785 amu, mean: 375.9785     SD: 0.11 mmu or: 0.28 ppm
23:49:24:  [3]    375.9785 amu, mean: 375.9785     SD: 0.08 mmu or: 0.21 ppm
23:49:27:  [4]    375.9791 amu, mean: 375.9787     SD: 0.30 mmu or: 0.80 ppm
23:49:28:
23:49:28:  Stop requested. Please wait for procedure to finish.
23:49:28:
23:49:30:
23:49:31:  Peakmatching stopped
```

Signature PMP 9-24-19

```
Reports
23:49:08:  Peak matching procedure started
23:49:09:
23:49:09:  Reference mass: 313.98336
23:49:10:  Sample mass: 376.0
23:49:10:
23:49:11:  Finding reference mass
23:49:12:  Finding sample mass
23:49:12:
23:49:18:  [1]    375.9786 amu, mean: 375.9786
23:49:21:  [2]    375.9785 amu, mean: 375.9785     SD: 0.11 mmu or: 0.28 ppm
23:49:24:  [3]    375.9785 amu, mean: 375.9785     SD: 0.08 mmu or: 0.21 ppm
23:49:27:  [4]    375.9791 amu, mean: 375.9787     SD: 0.30 mmu or: 0.80 ppm
23:49:28:
23:49:28:  Stop requested. Please wait for procedure to finish.
23:49:28:
23:49:30:
23:49:31:  Peakmatching stopped
```

Signature PMP 9-24-19

Reports

```
23:51:15:  Peak matching procedure started
23:51:15:
23:51:16:  Reference mass: 375.98017
23:51:16:  Sample mass: 414.0
23:51:17:
23:51:17:  Finding reference mass
23:51:18:  Finding sample mass
23:51:19:
23:51:24:  [1]    413.9767 amu, mean: 413.9767
23:51:28:  [2]    413.9767 amu, mean: 413.9767     SD: 0.00 mmu or: 0.00 ppm
23:51:31:  [3]    413.9770 amu, mean: 413.9768     SD: 0.12 mmu or: 0.30 ppm
23:51:34:  [4]    413.9766 amu, mean: 413.9768     SD: 0.15 mmu or: 0.36 ppm
23:51:34:
23:51:34:  Stop requested. Please wait for procedure to finish.
23:51:34:
23:51:37:
23:51:38:  Peakmatching stopped
```

Signature PMP 9-24-19

```
Reports
23:52:34:  Peak matching procedure started
23:52:35:
23:52:35:  Reference mass: 413.97698
23:52:36:  Sample mass: 464.0
23:52:36:
23:52:37:  Finding reference mass
23:52:38:  Finding sample mass
23:52:38:
23:52:44:  [1]    463.9717 amu, mean: 463.9717
23:52:47:  [2]    463.9718 amu, mean: 463.9718     SD: 0.11 mmu or: 0.23 ppm
23:52:50:  [3]    463.9720 amu, mean: 463.9718     SD: 0.17 mmu or: 0.36 ppm
23:52:53:  [4]    463.9719 amu, mean: 463.9719     SD: 0.14 mmu or: 0.30 ppm
23:52:54:
23:52:54:  Stop requested. Please wait for procedure to finish.
23:52:54:
23:52:57:
23:52:57:  Peakmatching stopped
```

Signature PMP 9-24-19

```
Reports
23:54:00:  Peak matching procedure started
23:54:00:
23:54:01:  Reference mass: 463.97378
23:54:01:  Sample mass: 502.0
23:54:02:
23:54:03:  Finding reference mass
23:54:04:  Finding sample mass
23:54:04:
23:54:10:  [1]    501.9705 amu, mean: 501.9705
23:54:13:  [2]    501.9700 amu, mean: 501.9703     SD: 0.36 mmu or: 0.71 ppm
23:54:16:  [3]    501.9697 amu, mean: 501.9701     SD: 0.44 mmu or: 0.87 ppm
23:54:19:  [4]    501.9691 amu, mean: 501.9698     SD: 0.61 mmu or: 1.22 ppm
23:54:20:
23:54:20:  Stop requested. Please wait for procedure to finish.
23:54:20:
23:54:22:
23:54:23:  Peakmatching stopped
```

Signature PMP 9-24-19

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 24-Sep-2019 12:38:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 13:55:33 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0315

First Level Reviewer: layk Date: 24-Sep-2019 13:55:33

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 149.3 | 149.3 | 0.1064 | 0.1064 | | |
| D PCB-1L | 11:45 | 1518709 | 3.19 | 1.3140 | 115.2 | 115.2 | 0.2574 | 0.2574 | 115 | |
| D PCB-3L | 13:55 | 1576671 | 3.29 | 1.3615 | 115.5 | 115.5 | 0.2484 | 0.2484 | 115 | |
| PCB-1 | 11:46 | 906370 | 3.22 | 1.1883 | 50.2 | 50.2 | 0.0981 | 0.0981 | 100 | |
| PCB-2 | 13:45 | 921591 | 3.26 | 1.1911 | 50.0 | 50.0 | 0.1065 | 0.1065 | 99.99 | |
| PCB-3 | 13:56 | 938353 | 3.23 | 1.2130 | 49.1 | 49.1 | 0.1147 | 0.1147 | 98.13 | |
| S Total Dichlorobiphenyls | | | | | 570.6 | 570.6 | 0.0426 | 0.0426 | | |
| D PCB-4L | 14:11 | 587204 | 1.55 | 0.5996 | 97.7 | 97.7 | 0.1377 | 0.1377 | 97.65 | |
| * PCB-9L | 16:08 | 1002915 | 1.63 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-8L | 16:58 | 472438 | 1.55 | 1.3085 | 44.7 | 44.7 | 0.0845 | 0.0845 | 89.49 | |
| D PCB-15L | 20:02 | 1026657 | 1.62 | 1.0280 | 99.6 | 99.6 | 0.0803 | 0.0803 | 99.58 | |
| PCB-4 | 14:11 | 354885 | 1.61 | 1.2533 | 48.2 | 48.2 | 0.0604 | 0.0604 | 96.44 | |
| PCB-10 | 14:22 | 567393 | 1.61 | 1.4828 | 47.4 | 47.4 | 0.0438 | 0.0438 | 94.84 | |
| PCB-9 | 16:09 | 558868 | 1.61 | 1.4200 | 48.8 | 48.8 | 0.0457 | 0.0457 | 97.55 | |
| PCB-7 | 16:19 | 640939 | 1.62 | 1.6244 | 48.9 | 48.9 | 0.0400 | 0.0400 | 97.80 | |
| PCB-6 | 16:33 | 603631 | 1.60 | 1.5539 | 48.1 | 48.1 | 0.0418 | 0.0418 | 96.28 | |
| PCB-5 | 16:51 | 605813 | 1.60 | 1.5606 | 48.1 | 48.1 | 0.0416 | 0.0416 | 96.21 | |
| PCB-8 | 16:59 | 623266 | 1.60 | 1.5884 | 48.6 | 48.6 | 0.0409 | 0.0409 | 97.26 | |
| PCB-14 | 18:37 | 720219 | 1.61 | 1.8738 | 47.6 | 47.6 | 0.0346 | 0.0346 | 95.27 | |
| PCB-11 | 19:27 | 596953 | 1.59 | 1.6347 | 45.3 | 45.3 | 0.0397 | 0.0397 | 90.51 | |
| PCB-12 | 19:46 | 1238491 | 1.61 | 1.6410 | 93.5 | 93.5 | 0.0396 | 0.0396 | 93.53 | |
| PCB-13 (C12) | 19:46 | 1238491 | 1.61 | 1.6410 | 93.5 | 93.5 | 0.0396 | 0.0396 | 93.53 | |
| PCB-15 | 20:04 | 662601 | 1.57 | 1.4024 | 46.0 | 46.0 | 0.0405 | 0.0405 | 92.04 | |
| S Total Trichlorobiphenyl | | | | | 1117.1 | 1117.1 | 0.5461 | 0.5461 | | |
| D PCB-19L | 17:16 | 335581 | 1.07 | 0.6095 | 101.9 | 101.9 | 1.342 | 1.342 | 102 | |
| * PCB-32L | 20:31 | 540225 | 1.02 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:47 | 2407373 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:04 | 1278738 | 1.07 | 1.0975 | 48.4 | 48.4 | 0.2407 | 0.2407 | 96.79 | |
| D PCB-37L | 27:04 | 2165596 | 1.09 | 0.9024 | 99.7 | 99.7 | 0.2928 | 0.2928 | 99.68 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:17 | 219747 | 1.10 | 1.3047 | 50.2 | 50.2 | 0.0529 | 0.0529 | 100 | |
| PCB-18 | 19:08 | 606154 | 1.10 | 1.8188 | 99.3 | 99.3 | 0.0380 | 0.0380 | 99.31 | |
| PCB-30 (C18) | 19:08 | 606154 | 1.10 | 1.8188 | 99.3 | 99.3 | 0.0380 | 0.0380 | 99.31 | |
| PCB-17 | 19:34 | 256418 | 1.11 | 1.5641 | 48.9 | 48.9 | 0.0442 | 0.0442 | 97.70 | |
| PCB-27 | 19:46 | 347939 | 1.11 | 2.1680 | 47.8 | 47.8 | 0.0319 | 0.0319 | 95.65 | |
| PCB-24 | 19:54 | 343484 | 1.10 | 2.1018 | 48.7 | 48.7 | 0.0329 | 0.0329 | 97.40 | |
| PCB-16 | 20:01 | 199539 | 1.12 | 1.2260 | 48.5 | 48.5 | 0.0563 | 0.0563 | 97.00 | |
| PCB-32 | 20:33 | 381589 | 1.12 | 2.3416 | 48.6 | 48.6 | 0.0295 | 0.0295 | 97.12 | |
| PCB-34 | 21:48 | 1242029 | 1.06 | 1.2154 | 47.2 | 47.2 | 0.8799 | 0.8799 | 94.38 | |
| PCB-23 | 21:57 | 1269366 | 1.03 | 1.2675 | 46.2 | 46.2 | 0.8437 | 0.8437 | 92.49 | |
| PCB-26 | 22:16 | 2574704 | 1.04 | 1.3193 | 90.1 | 90.1 | 0.8106 | 0.8106 | 90.12 | |
| PCB-29 (C26) | 22:16 | 2574704 | 1.04 | 1.3193 | 90.1 | 90.1 | 0.8106 | 0.8106 | 90.12 | |
| PCB-25 | 22:30 | 1325971 | 1.03 | 1.3523 | 45.3 | 45.3 | 0.7908 | 0.7908 | 90.56 | |
| PCB-31 | 22:48 | 1364610 | 1.05 | 1.3809 | 45.6 | 45.6 | 0.7744 | 0.7744 | 91.26 | |
| PCB-20 | 23:06 | 2516052 | 1.04 | 1.3057 | 89.0 | 89.0 | 0.8190 | 0.8190 | 88.98 | |
| PCB-28 (C20) | 23:06 | 2516052 | 1.04 | 1.3057 | 89.0 | 89.0 | 0.8190 | 0.8190 | 88.98 | |
| PCB-21 | 23:20 | 2675613 | 1.05 | 1.3777 | 89.7 | 89.7 | 0.7763 | 0.7763 | 89.68 | |
| PCB-33 (C21) | 23:20 | 2675613 | 1.05 | 1.3777 | 89.7 | 89.7 | 0.7763 | 0.7763 | 89.68 | |
| PCB-22 | 23:44 | 1241805 | 1.04 | 1.2430 | 46.1 | 46.1 | 0.8604 | 0.8604 | 92.27 | |
| PCB-36 | 25:17 | 1392954 | 1.06 | 1.3468 | 47.8 | 47.8 | 0.7940 | 0.7940 | 95.52 | |
| PCB-39 | 25:38 | 1378107 | 1.05 | 1.3970 | 45.6 | 45.6 | 0.7655 | 0.7655 | 91.10 | |
| PCB-38 | 26:13 | 1231589 | 1.04 | 1.3177 | 43.2 | 43.2 | 0.8116 | 0.8116 | 86.32 | M |
| PCB-35 | 26:41 | 1173386 | 1.04 | 1.2166 | 44.5 | 44.5 | 0.8790 | 0.8790 | 89.07 | M |
| PCB-37 | 27:05 | 1251226 | 1.06 | 1.2879 | 44.9 | 44.9 | 0.8303 | 0.8303 | 89.72 | |
| S Total Tetrachlorobiphen | | | | | 2049.6 | 2049.6 | 0.1683 | 0.1683 | | |
| D PCB-54L | 20:21 | 436854 | 0.80 | 0.6515 | 124.1 | 124.1 | 0.1082 | 0.1082 | 124 | |
| * PCB-52L | 24:54 | 1247794 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-79L | 32:50 | 794984 | 0.81 | 1.1239 | 46.1 | 46.1 | 0.3386 | 0.3386 | 92.27 | |
| D PCB-81L | 33:50 | 1518671 | 0.81 | 1.2328 | 98.7 | 98.7 | 0.3272 | 0.3272 | 98.72 | |
| D PCB-77L | 34:23 | 1547519 | 0.82 | 1.2523 | 99.0 | 99.0 | 0.3222 | 0.3222 | 99.04 | |
| PCB-54 | 20:22 | 243132 | 0.78 | 1.2558 | 44.3 | 44.3 | 0.0233 | 0.0233 | 88.64 | |
| PCB-50 | 22:33 | 1479267 | 0.79 | 0.9362 | 103.1 | 103.1 | 0.2160 | 0.2160 | 103 | |
| PCB-53 (C50) | 22:33 | 1479267 | 0.79 | 0.9362 | 103.1 | 103.1 | 0.2160 | 0.2160 | 103 | |
| PCB-45 | 23:16 | 1385838 | 0.80 | 0.8850 | 102.1 | 102.1 | 0.2285 | 0.2285 | 102 | M |
| PCB-51 (C45) | 23:16 | 1385838 | 0.80 | 0.8850 | 102.1 | 102.1 | 0.2285 | 0.2285 | 102 | M |
| PCB-46 | 23:31 | 607403 | 0.80 | 0.7591 | 52.2 | 52.2 | 0.2664 | 0.2664 | 104 | |
| PCB-52 | 24:56 | 718015 | 0.81 | 0.8992 | 52.1 | 52.1 | 0.2249 | 0.2249 | 104 | |
| PCB-43 | 25:05 | 1572890 | 0.80 | 0.9993 | 102.7 | 102.7 | 0.2023 | 0.2023 | 103 | M |
| PCB-73 (C43) | 25:05 | 1572890 | 0.80 | 0.9993 | 102.7 | 102.7 | 0.2023 | 0.2023 | 103 | M |
| PCB-49 | 25:23 | 1745080 | 0.79 | 1.1366 | 100.1 | 100.1 | 0.1779 | 0.1779 | 100 | |
| PCB-69 (C49) | 25:23 | 1745080 | 0.79 | 1.1366 | 100.1 | 100.1 | 0.1779 | 0.1779 | 100 | |
| PCB-48 | 25:42 | 715093 | 0.80 | 0.9454 | 49.3 | 49.3 | 0.2139 | 0.2139 | 98.68 | |
| PCB-44 | 25:57 | 2293908 | 0.80 | 1.0323 | 144.9 | 144.9 | 0.1959 | 0.1959 | 96.63 | |
| PCB-47 (C44) | 25:57 | 2293908 | 0.80 | 1.0323 | 144.9 | 144.9 | 0.1959 | 0.1959 | 96.63 | |
| PCB-65 (C44) | 25:57 | 2293908 | 0.80 | 1.0323 | 144.9 | 144.9 | 0.1959 | 0.1959 | 96.63 | |
| PCB-59 | 26:14 | 2948232 | 0.81 | 1.3609 | 141.3 | 141.3 | 0.1486 | 0.1486 | 94.20 | |
| PCB-62 (C59) | 26:14 | 2948232 | 0.81 | 1.3609 | 141.3 | 141.3 | 0.1486 | 0.1486 | 94.20 | |
| PCB-75 (C59) | 26:14 | 2948232 | 0.81 | 1.3609 | 141.3 | 141.3 | 0.1486 | 0.1486 | 94.20 | |
| PCB-42 | 26:27 | 670186 | 0.79 | 0.8670 | 50.4 | 50.4 | 0.2332 | 0.2332 | 101 | |
| PCB-40 | 26:57 | 2029645 | 0.81 | 0.9179 | 144.2 | 144.2 | 0.2203 | 0.2203 | 96.15 | M |
| PCB-41 (C40) | 26:57 | 2029645 | 0.81 | 0.9179 | 144.2 | 144.2 | 0.2203 | 0.2203 | 96.15 | M |
| PCB-71 (C40) | 26:57 | 2029645 | 0.81 | 0.9179 | 144.2 | 144.2 | 0.2203 | 0.2203 | 96.15 | M |
| PCB-64 | 27:10 | 1034326 | 0.81 | 1.4164 | 47.6 | 47.6 | 0.1428 | 0.1428 | 95.27 | |
| PCB-72 | 28:00 | 992301 | 0.80 | 1.3157 | 49.2 | 49.2 | 0.1537 | 0.1537 | 98.39 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:17 | 1110122 | 0.80 | 1.4782 | 49.0 | 49.0 | 0.1368 | 0.1368 | 97.97 | |
| PCB-57 | 28:42 | 965825 | 0.80 | 1.2817 | 49.2 | 49.2 | 0.1578 | 0.1578 | 98.30 | |
| PCB-58 | 28:57 | 1007193 | 0.80 | 1.3214 | 49.7 | 49.7 | 0.1530 | 0.1530 | 99.44 | |
| PCB-67 | 29:07 | 1039081 | 0.80 | 1.3944 | 48.6 | 48.6 | 0.1450 | 0.1450 | 97.21 | |
| PCB-63 | 29:23 | 1100164 | 0.81 | 1.4685 | 48.9 | 48.9 | 0.1377 | 0.1377 | 97.74 | |
| PCB-61 | 29:43 | 4002693 | 0.80 | 1.3565 | 192.5 | 192.5 | 0.1491 | 0.1491 | 96.23 | |
| PCB-70 (C61) | 29:43 | 4002693 | 0.80 | 1.3565 | 192.5 | 192.5 | 0.1491 | 0.1491 | 96.23 | |
| PCB-74 (C61) | 29:43 | 4002693 | 0.80 | 1.3565 | 192.5 | 192.5 | 0.1491 | 0.1491 | 96.23 | |
| PCB-76 (C61) | 29:43 | 4002693 | 0.80 | 1.3565 | 192.5 | 192.5 | 0.1491 | 0.1491 | 96.23 | |
| PCB-66 | 30:03 | 987154 | 0.79 | 1.2800 | 50.3 | 50.3 | 0.1580 | 0.1580 | 101 | |
| PCB-55 | 30:12 | 971719 | 0.81 | 1.2951 | 48.9 | 48.9 | 0.1561 | 0.1561 | 97.88 | |
| PCB-56 | 30:42 | 911219 | 0.80 | 1.2671 | 46.9 | 46.9 | 0.1596 | 0.1596 | 93.82 | |
| PCB-60 | 30:55 | 974015 | 0.81 | 1.3288 | 47.8 | 47.8 | 0.1522 | 0.1522 | 95.62 | |
| PCB-80 | 31:21 | 1066938 | 0.80 | 1.4694 | 47.4 | 47.4 | 0.1376 | 0.1376 | 94.73 | |
| PCB-79 | 32:51 | 1093904 | 0.79 | 1.5421 | 46.3 | 46.3 | 0.1311 | 0.1311 | 92.54 | |
| PCB-78 | 33:25 | 912250 | 0.79 | 1.3150 | 45.3 | 45.3 | 0.1538 | 0.1538 | 90.50 | |
| PCB-81 | 33:51 | 959163 | 0.80 | 1.3214 | 47.8 | 47.8 | 0.1545 | 0.1545 | 95.59 | |
| PCB-77 | 34:25 | 978558 | 0.81 | 1.3308 | 47.5 | 47.5 | 0.1505 | 0.1505 | 95.03 | |
| S Total Pentachlorobiphen | | | | | 2200.0 | 2200.0 | 0.1128 | 0.1128 | | |
| D PCB-104L | 25:51 | 976417 | 1.61 | 1.1164 | 112.4 | 112.4 | 0.0578 | 0.0578 | 112 | |
| $ PCB-95L | 28:49 | 372250 | 1.61 | 0.7770 | 49.1 | 49.1 | 0.0619 | 0.0619 | 98.13 | |
| * PCB-101L | 31:46 | 777981 | 1.61 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:27 | 514972 | 1.60 | 1.2177 | 54.4 | 54.4 | 0.0530 | 0.0530 | 109 | |
| D PCB-123L | 36:25 | 1675665 | 1.59 | 0.9909 | 99.5 | 99.5 | 0.5633 | 0.5633 | 99.54 | |
| D PCB-118L | 36:44 | 1759248 | 1.61 | 1.0256 | 101.0 | 101.0 | 0.5443 | 0.5443 | 101 | |
| D PCB-114L | 37:16 | 1718057 | 1.60 | 1.0030 | 100.8 | 100.8 | 0.5565 | 0.5565 | 101 | |
| D PCB-105L | 37:54 | 1714178 | 1.64 | 1.0013 | 100.8 | 100.8 | 0.5575 | 0.5575 | 101 | |
| * PCB-127L | 39:23 | 1698892 | 1.62 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 41:00 | 1610315 | 1.62 | 0.9020 | 105.1 | 105.1 | 0.6188 | 0.6188 | 105 | |
| PCB-104 | 25:53 | 673483 | 1.59 | 1.3926 | 49.5 | 49.5 | 0.0346 | 0.0346 | 99.06 | |
| PCB-96 | 26:14 | 577604 | 1.61 | 1.2268 | 48.2 | 48.2 | 0.0392 | 0.0392 | 96.44 | |
| PCB-103 | 28:11 | 499969 | 1.62 | 1.0331 | 49.6 | 49.6 | 0.0466 | 0.0466 | 99.13 | |
| PCB-94 | 28:24 | 439910 | 1.61 | 0.9036 | 49.9 | 49.9 | 0.0533 | 0.0533 | 99.72 | |
| PCB-95 | 28:51 | 478761 | 1.61 | 0.9620 | 51.0 | 51.0 | 0.0500 | 0.0500 | 102 | |
| PCB-93 | 29:05 | 947921 | 1.61 | 0.9806 | 99.0 | 99.0 | 0.0491 | 0.0491 | 99.00 | |
| PCB-100 (C93) | 29:05 | 947921 | 1.61 | 0.9806 | 99.0 | 99.0 | 0.0491 | 0.0491 | 99.00 | |
| PCB-98 | 29:13 | 975649 | 1.65 | 0.9888 | 101.1 | 101.1 | 0.0487 | 0.0487 | 101 | M |
| PCB-102 (C98) | 29:13 | 975649 | 1.65 | 0.9888 | 101.1 | 101.1 | 0.0487 | 0.0487 | 101 | M |
| PCB-88 | 29:43 | 976770 | 1.64 | 1.0052 | 99.5 | 99.5 | 0.0479 | 0.0479 | 99.52 | M |
| PCB-91 (C88) | 29:43 | 976770 | 1.64 | 1.0052 | 99.5 | 99.5 | 0.0479 | 0.0479 | 99.52 | M |
| PCB-84 | 29:56 | 416552 | 1.56 | 0.8601 | 49.6 | 49.6 | 0.0560 | 0.0560 | 99.20 | |
| PCB-89 | 30:25 | 437410 | 1.59 | 0.8936 | 50.1 | 50.1 | 0.0539 | 0.0539 | 100 | |
| PCB-121 | 30:50 | 667719 | 1.62 | 1.3971 | 48.9 | 48.9 | 0.0344 | 0.0344 | 97.89 | |
| PCB-92 | 31:12 | 458712 | 1.59 | 0.9532 | 49.3 | 49.3 | 0.0505 | 0.0505 | 98.57 | |
| PCB-90 | 31:47 | 1574023 | 1.60 | 1.1367 | 141.8 | 141.8 | 0.0423 | 0.0423 | 94.55 | |
| PCB-101 (C90) | 31:47 | 1574023 | 1.60 | 1.1367 | 141.8 | 141.8 | 0.0423 | 0.0423 | 94.55 | |
| PCB-113 (C90) | 31:47 | 1574023 | 1.60 | 1.1367 | 141.8 | 141.8 | 0.0423 | 0.0423 | 94.55 | |
| PCB-83 | 32:22 | 919633 | 1.56 | 0.9393 | 100.3 | 100.3 | 0.0512 | 0.0512 | 100 | |
| PCB-99 (C83) | 32:22 | 919633 | 1.56 | 0.9393 | 100.3 | 100.3 | 0.0512 | 0.0512 | 100 | |
| PCB-112 | 32:29 | 647071 | 1.63 | 1.3672 | 48.5 | 48.5 | 0.0352 | 0.0352 | 96.94 | |
| PCB-86 | 32:51 | 3201178 | 1.61 | 1.1958 | 274.2 | 274.2 | 0.0402 | 0.0402 | 91.39 | M |
| PCB-87 (C86) | 32:51 | 3201178 | 1.61 | 1.1958 | 274.2 | 274.2 | 0.0402 | 0.0402 | 91.39 | M |
| PCB-97 (C86) | 32:51 | 3201178 | 1.61 | 1.1958 | 274.2 | 274.2 | 0.0402 | 0.0402 | 91.39 | M |
| PCB-109 (C86) | 32:51 | 3201178 | 1.61 | 1.1958 | 274.2 | 274.2 | 0.0402 | 0.0402 | 91.39 | M |
| PCB-119 (C86) | 32:51 | 3201178 | 1.61 | 1.1958 | 274.2 | 274.2 | 0.0402 | 0.0402 | 91.39 | M |
| PCB-125 (C86) | 32:51 | 3201178 | 1.61 | 1.1958 | 274.2 | 274.2 | 0.0402 | 0.0402 | 91.39 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:36 | 1697735 | 1.60 | 1.2126 | 143.4 | 143.4 | 0.0397 | 0.0397 | 95.59 | |
| PCB-116 (C85) | 33:36 | 1697735 | 1.60 | 1.2126 | 143.4 | 143.4 | 0.0397 | 0.0397 | 95.59 | |
| PCB-117 (C85) | 33:36 | 1697735 | 1.60 | 1.2126 | 143.4 | 143.4 | 0.0397 | 0.0397 | 95.59 | |
| PCB-110 | 33:50 | 1272214 | 1.61 | 1.3511 | 96.4 | 96.4 | 0.0356 | 0.0356 | 96.44 | |
| PCB-115 (C110) | 33:50 | 1272214 | 1.61 | 1.3511 | 96.4 | 96.4 | 0.0356 | 0.0356 | 96.44 | |
| PCB-82 | 34:05 | 408748 | 1.59 | 0.8675 | 48.3 | 48.3 | 0.0555 | 0.0555 | 96.51 | |
| PCB-111 | 34:28 | 681370 | 1.59 | 1.4262 | 48.9 | 48.9 | 0.0337 | 0.0337 | 97.86 | |
| PCB-120 | 34:56 | 690253 | 1.60 | 1.4907 | 47.4 | 47.4 | 0.0323 | 0.0323 | 94.84 | |
| PCB-108 | 36:04 | 1929830 | 1.59 | 1.2547 | 90.7 | 90.7 | 0.2651 | 0.2651 | 90.72 | |
| PCB-124 (C108) | 36:04 | 1929830 | 1.59 | 1.2547 | 90.7 | 90.7 | 0.2651 | 0.2651 | 90.72 | |
| PCB-107 | 36:18 | 1072704 | 1.58 | 1.3580 | 46.6 | 46.6 | 0.2450 | 0.2450 | 93.18 | |
| PCB-123 | 36:26 | 1049669 | 1.57 | 1.3407 | 46.7 | 46.7 | 0.2504 | 0.2504 | 93.45 | |
| PCB-106 | 36:33 | 967365 | 1.57 | 1.2749 | 44.8 | 44.8 | 0.2609 | 0.2609 | 89.51 | |
| PCB-118 | 36:45 | 1061912 | 1.57 | 1.2892 | 46.8 | 46.8 | 0.2479 | 0.2479 | 93.64 | |
| PCB-122 | 37:06 | 920096 | 1.58 | 1.1614 | 46.7 | 46.7 | 0.2864 | 0.2864 | 93.45 | |
| PCB-114 | 37:17 | 1096640 | 1.56 | 1.4051 | 45.4 | 45.4 | 0.2309 | 0.2309 | 90.86 | |
| PCB-105 | 37:56 | 1005020 | 1.58 | 1.2887 | 45.5 | 45.5 | 0.2519 | 0.2519 | 90.99 | |
| PCB-127 | 39:25 | 1011385 | 1.58 | 1.2841 | 46.5 | 46.5 | 0.2591 | 0.2591 | 92.91 | |
| PCB-126 | 41:01 | 982533 | 1.59 | 1.3416 | 45.5 | 45.5 | 0.2701 | 0.2701 | 90.96 | |
| S Total Hexachlorobipheny | | | | | 1939.0 | 1939.0 | 0.1015 | 0.1015 | | |
| D PCB-155L | 31:33 | 860084 | 1.27 | 0.9499 | 116.4 | 116.4 | 0.0521 | 0.0521 | 116 | |
| $ PCB-153L | 38:37 | 590277 | 1.30 | 0.9597 | 42.9 | 42.9 | 0.4425 | 0.4425 | 85.74 | |
| * PCB-138L | 39:51 | 1155201 | 1.28 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:53 | 1473140 | 1.27 | 1.2544 | 101.7 | 101.7 | 0.3569 | 0.3569 | 102 | |
| D PCB-156L | 44:02 | 2891206 | 1.28 | 1.2289 | 203.7 | 203.7 | 0.3643 | 0.3643 | 102 | |
| D PCB-157L (C156L) | 44:02 | 2891206 | 1.28 | 1.2289 | 203.7 | 203.7 | 0.3643 | 0.3643 | 102 | |
| D PCB-169L | 47:15 | 1374423 | 1.26 | 1.0883 | 109.3 | 109.3 | 0.4113 | 0.4113 | 109 | |
| PCB-155 | 31:34 | 510694 | 1.27 | 1.3028 | 45.6 | 45.6 | 0.0148 | 0.0148 | 91.15 | |
| PCB-152 | 31:45 | 482451 | 1.27 | 1.2556 | 44.7 | 44.7 | 0.0154 | 0.0154 | 89.35 | |
| PCB-150 | 31:56 | 494824 | 1.28 | 1.2368 | 46.5 | 46.5 | 0.0156 | 0.0156 | 93.03 | |
| PCB-136 | 32:16 | 459514 | 1.29 | 1.1563 | 46.2 | 46.2 | 0.0167 | 0.0167 | 92.41 | |
| PCB-145 | 32:35 | 473939 | 1.28 | 1.1910 | 46.3 | 46.3 | 0.0162 | 0.0162 | 92.53 | |
| PCB-148 | 34:06 | 354964 | 1.23 | 0.8982 | 45.9 | 45.9 | 0.0215 | 0.0215 | 91.90 | |
| PCB-135 | 34:41 | 677865 | 1.29 | 0.8691 | 90.7 | 90.7 | 0.0222 | 0.0222 | 90.68 | M |
| PCB-151 (C135) | 34:41 | 677865 | 1.29 | 0.8691 | 90.7 | 90.7 | 0.0222 | 0.0222 | 90.68 | M |
| PCB-154 | 34:57 | 396867 | 1.27 | 1.0180 | 45.3 | 45.3 | 0.0189 | 0.0189 | 90.65 | |
| PCB-144 | 35:15 | 360645 | 1.26 | 0.9185 | 45.7 | 45.7 | 0.0210 | 0.0210 | 91.31 | |
| PCB-147 | 35:37 | 1276380 | 1.27 | 0.9747 | 91.3 | 91.3 | 0.1472 | 0.1472 | 91.28 | |
| PCB-149 (C147) | 35:37 | 1276380 | 1.27 | 0.9747 | 91.3 | 91.3 | 0.1472 | 0.1472 | 91.28 | |
| PCB-134 | 35:55 | 1141469 | 1.27 | 0.8518 | 93.4 | 93.4 | 0.1685 | 0.1685 | 93.40 | |
| PCB-143 (C134) | 35:55 | 1141469 | 1.27 | 0.8518 | 93.4 | 93.4 | 0.1685 | 0.1685 | 93.40 | |
| PCB-139 | 36:13 | 1309450 | 1.26 | 0.9995 | 91.3 | 91.3 | 0.1436 | 0.1436 | 91.31 | |
| PCB-140 (C139) | 36:13 | 1309450 | 1.26 | 0.9995 | 91.3 | 91.3 | 0.1436 | 0.1436 | 91.31 | |
| PCB-131 | 36:25 | 569418 | 1.27 | 0.8584 | 46.2 | 46.2 | 0.1672 | 0.1672 | 92.47 | |
| PCB-142 | 36:34 | 575874 | 1.26 | 0.8597 | 46.7 | 46.7 | 0.1669 | 0.1669 | 93.38 | |
| PCB-132 | 36:52 | 583675 | 1.26 | 0.8801 | 46.2 | 46.2 | 0.1630 | 0.1630 | 92.45 | |
| PCB-133 | 37:23 | 606439 | 1.27 | 0.9064 | 46.6 | 46.6 | 0.1583 | 0.1583 | 93.27 | |
| PCB-165 | 37:47 | 764232 | 1.27 | 1.1210 | 47.5 | 47.5 | 0.1280 | 0.1280 | 95.04 | |
| PCB-146 | 38:02 | 654092 | 1.26 | 1.0084 | 45.2 | 45.2 | 0.1423 | 0.1423 | 90.43 | |
| PCB-161 | 38:10 | 874285 | 1.27 | 1.3370 | 45.6 | 45.6 | 0.1073 | 0.1073 | 91.16 | |
| PCB-153 | 38:41 | 1620668 | 1.26 | 1.2207 | 92.5 | 92.5 | 0.1176 | 0.1176 | 92.54 | |
| PCB-168 (C153) | 38:41 | 1620668 | 1.26 | 1.2207 | 92.5 | 92.5 | 0.1176 | 0.1176 | 92.54 | |
| PCB-141 | 38:50 | 639505 | 1.27 | 0.9608 | 46.4 | 46.4 | 0.1494 | 0.1494 | 92.79 | |
| PCB-130 | 39:14 | 555480 | 1.25 | 0.8274 | 46.8 | 46.8 | 0.1734 | 0.1734 | 93.59 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:28 | 711904 | 1.26 | 1.0582 | 46.9 | 46.9 | 0.1356 | 0.1356 | 93.78 | |
| PCB-164 | 39:35 | 811480 | 1.25 | 1.2527 | 45.2 | 45.2 | 0.1146 | 0.1146 | 90.30 | |
| PCB-129 | 39:54 | 2834076 | 1.27 | 1.0840 | 182.2 | 182.2 | 0.1324 | 0.1324 | 91.12 | M |
| PCB-138 (C129) | 39:54 | 2834076 | 1.27 | 1.0840 | 182.2 | 182.2 | 0.1324 | 0.1324 | 91.12 | M |
| PCB-160 (C129) | 39:54 | 2834076 | 1.27 | 1.0840 | 182.2 | 182.2 | 0.1324 | 0.1324 | 91.12 | M |
| PCB-163 (C129) | 39:54 | 2834076 | 1.27 | 1.0840 | 182.2 | 182.2 | 0.1324 | 0.1324 | 91.12 | M |
| PCB-158 | 40:17 | 926816 | 1.26 | 1.3862 | 46.6 | 46.6 | 0.1035 | 0.1035 | 93.21 | |
| PCB-128 | 41:07 | 1464934 | 1.26 | 1.1165 | 91.5 | 91.5 | 0.1285 | 0.1285 | 91.46 | |
| PCB-166 (C128) | 41:07 | 1464934 | 1.26 | 1.1165 | 91.5 | 91.5 | 0.1285 | 0.1285 | 91.46 | |
| PCB-159 | 42:08 | 878520 | 1.25 | 1.3178 | 46.5 | 46.5 | 0.1089 | 0.1089 | 92.93 | |
| PCB-162 | 42:25 | 911328 | 1.26 | 1.3623 | 46.6 | 46.6 | 0.1053 | 0.1053 | 93.26 | |
| PCB-167 | 42:54 | 936213 | 1.27 | 1.3357 | 47.6 | 47.6 | 0.0887 | 0.0887 | 95.16 | |
| PCB-156 | 44:02 | 1768348 | 1.26 | 1.2759 | 95.9 | 95.9 | 0.1325 | 0.1325 | 95.87 | |
| PCB-157 (C156) | 44:02 | 1768348 | 1.26 | 1.2759 | 95.9 | 95.9 | 0.1325 | 0.1325 | 95.87 | |
| PCB-169 | 47:17 | 836764 | 1.27 | 1.2825 | 47.5 | 47.5 | 0.1026 | 0.1026 | 94.94 | |
| S Total Heptachlorobiphen | | | | | 1225.9 | 1225.9 | 0.0273 | 0.0273 | | |
| D PCB-188L | 37:17 | 1136777 | 1.06 | 1.3162 | 99.5 | 99.5 | 0.0519 | 0.0519 | 99.45 | |
| $ PCB-178L | 40:19 | 429215 | 1.09 | 0.9222 | 53.6 | 53.6 | 0.0740 | 0.0740 | 107 | |
| * PCB-180L | 45:26 | 868452 | 1.08 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:41 | 708830 | 1.03 | 0.8357 | 97.7 | 97.7 | 0.0817 | 0.0817 | 97.66 | |
| D PCB-189L | 49:48 | 1811417 | 1.05 | 1.4666 | 102.8 | 102.8 | 0.6141 | 0.6141 | 103 | |
| PCB-188 | 37:18 | 708801 | 1.07 | 1.2502 | 49.9 | 49.9 | 0.0156 | 0.0156 | 99.75 | |
| PCB-179 | 37:38 | 652768 | 1.07 | 1.4149 | 50.0 | 50.0 | 0.0171 | 0.0171 | 100 | |
| PCB-184 | 38:10 | 637997 | 1.07 | 1.4191 | 48.7 | 48.7 | 0.0171 | 0.0171 | 97.44 | |
| PCB-176 | 38:30 | 712408 | 1.07 | 1.5212 | 50.8 | 50.8 | 0.0159 | 0.0159 | 102 | |
| PCB-186 | 38:58 | 666157 | 1.07 | 1.4350 | 50.3 | 50.3 | 0.0169 | 0.0169 | 101 | |
| PCB-178 | 40:21 | 490346 | 1.07 | 1.0228 | 52.0 | 52.0 | 0.0237 | 0.0237 | 104 | |
| PCB-175 | 41:00 | 505409 | 1.07 | 1.0690 | 51.2 | 51.2 | 0.0227 | 0.0227 | 102 | |
| PCB-187 | 41:15 | 520622 | 1.07 | 1.1106 | 50.8 | 50.8 | 0.0218 | 0.0218 | 102 | |
| PCB-182 | 41:28 | 542503 | 1.07 | 1.1484 | 51.2 | 51.2 | 0.0211 | 0.0211 | 102 | |
| PCB-183 | 41:52 | 1046282 | 1.08 | 1.1368 | 99.7 | 99.7 | 0.0213 | 0.0213 | 99.73 | M |
| PCB-185 (C183) | 41:52 | 1046282 | 1.08 | 1.1368 | 99.7 | 99.7 | 0.0213 | 0.0213 | 99.73 | M |
| PCB-174 | 42:06 | 453415 | 1.02 | 0.9547 | 51.5 | 51.5 | 0.0254 | 0.0254 | 103 | |
| PCB-177 | 42:33 | 456209 | 1.05 | 0.9426 | 52.5 | 52.5 | 0.0257 | 0.0257 | 105 | |
| PCB-181 | 42:56 | 526922 | 1.08 | 1.1075 | 51.6 | 51.6 | 0.0219 | 0.0219 | 103 | |
| PCB-171 | 43:10 | 920561 | 1.06 | 0.9603 | 103.9 | 103.9 | 0.0252 | 0.0252 | 104 | |
| PCB-173 (C171) | 43:10 | 920561 | 1.06 | 0.9603 | 103.9 | 103.9 | 0.0252 | 0.0252 | 104 | |
| PCB-172 | 44:48 | 472636 | 1.06 | 0.9918 | 51.6 | 51.6 | 0.0244 | 0.0244 | 103 | |
| PCB-192 | 45:04 | 632523 | 1.06 | 1.2904 | 53.1 | 53.1 | 0.0188 | 0.0188 | 106 | |
| PCB-180 | 45:25 | 1168664 | 1.06 | 1.2286 | 103.1 | 103.1 | 0.0197 | 0.0197 | 103 | |
| PCB-193 (C180) | 45:25 | 1168664 | 1.06 | 1.2286 | 103.1 | 103.1 | 0.0197 | 0.0197 | 103 | |
| PCB-191 | 45:48 | 668184 | 1.07 | 1.3848 | 52.3 | 52.3 | 0.0175 | 0.0175 | 105 | |
| PCB-170 | 46:42 | 479269 | 1.07 | 1.2700 | 53.2 | 53.2 | 0.0253 | 0.0253 | 106 | |
| PCB-190 | 47:14 | 665163 | 1.05 | 1.3774 | 52.3 | 52.3 | 0.0176 | 0.0176 | 105 | |
| PCB-189 | 49:49 | 1072327 | 1.05 | 1.2799 | 46.3 | 46.3 | 0.1590 | 0.1590 | 92.51 | |
| S Total Octachlorobipheny | | | | | 557.4 | 557.4 | 0.0765 | 0.0765 | | |
| D PCB-202L | 42:39 | 918898 | 0.91 | 1.0055 | 105.2 | 105.2 | 0.0592 | 0.0592 | 105 | |
| * PCB-194L | 51:55 | 1201345 | 0.92 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:23 | 1441636 | 0.92 | 1.2867 | 93.3 | 93.3 | 0.6611 | 0.6611 | 93.26 | |
| PCB-202 | 42:40 | 431900 | 0.91 | 1.0531 | 44.6 | 44.6 | 0.0188 | 0.0188 | 89.27 | |
| PCB-201 | 43:36 | 491593 | 0.91 | 1.1860 | 45.1 | 45.1 | 0.0167 | 0.0167 | 90.21 | |
| PCB-204 | 44:16 | 466047 | 0.91 | 1.1009 | 46.1 | 46.1 | 0.0180 | 0.0180 | 92.14 | |
| PCB-197 | 44:30 | 495699 | 0.90 | 1.2053 | 44.8 | 44.8 | 0.0165 | 0.0165 | 89.51 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:36 | 483063 | 0.91 | 1.1260 | 46.7 | 46.7 | 0.0176 | 0.0176 | 93.37 | |
| PCB-198 | 47:23 | 679673 | 0.89 | 0.8183 | 90.4 | 90.4 | 0.0242 | 0.0242 | 90.39 | |
| PCB-199 (C198) | 47:23 | 679673 | 0.89 | 0.8183 | 90.4 | 90.4 | 0.0242 | 0.0242 | 90.39 | |
| PCB-196 | 48:04 | 357766 | 0.91 | 0.8748 | 44.5 | 44.5 | 0.0227 | 0.0227 | 89.01 | |
| PCB-203 | 48:16 | 383854 | 0.92 | 0.9219 | 45.3 | 45.3 | 0.0215 | 0.0215 | 90.62 | |
| PCB-195 | 49:35 | 609034 | 0.90 | 0.7839 | 53.9 | 53.9 | 0.2763 | 0.2763 | 108 | |
| PCB-194 | 51:56 | 653059 | 0.91 | 0.9282 | 48.8 | 48.8 | 0.2333 | 0.2333 | 97.61 | |
| PCB-205 | 52:25 | 840049 | 0.92 | 1.2342 | 47.2 | 47.2 | 0.1755 | 0.1755 | 94.43 | |
| S Total Nonachlorobipheny | | | | | 141.5 | 141.5 | 0.3569 | 0.3569 | | |
| D PCB-208L | 49:21 | 1339015 | 0.80 | 1.1383 | 97.9 | 97.9 | 0.5866 | 0.5866 | 97.92 | |
| D PCB-206L | 54:09 | 905717 | 0.81 | 0.8938 | 84.3 | 84.3 | 0.7470 | 0.7470 | 84.35 | |
| PCB-208 | 49:22 | 721836 | 0.79 | 1.1567 | 46.6 | 46.6 | 0.3099 | 0.3099 | 93.21 | |
| PCB-207 | 50:18 | 751227 | 0.79 | 1.3964 | 47.9 | 47.9 | 0.3085 | 0.3085 | 95.87 | |
| PCB-206 | 54:10 | 507336 | 0.79 | 1.1927 | 47.0 | 47.0 | 0.4524 | 0.4524 | 93.93 | |
| D PCB-209L | 55:48 | 871650 | 0.72 | 0.9809 | 74.0 | 74.0 | 0.0349 | 0.0349 | 73.97 | |
| DCB Decachlorobiphenyl | 55:49 | 528874 | 0.71 | 1.2455 | 48.7 | 48.7 | 0.0128 | 0.0128 | 97.43 | |
| S Polychlorinated bipheny | | | | | 9849.8 | 9849.8 | 0.1605 | 0.1605 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 24-Sep-2019 12:38:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 13:55:33 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0315

First Level Reviewer: layk Date: 24-Sep-2019 13:55:33

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:45 | 11:45 | 0 | 0.728 | 1155852 | 474252 | 223 | 557 | 2127 | | |
| 202.0766 | 11:45 | 11:45 | 0 | 0.728 | 362857 | 149407 | 182 | 455 | 821 | 3.19(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:55 | 0 | 0.862 | 1209057 | 401281 | 223 | 557 | 1799 | | |
| 202.0766 | 13:55 | 13:55 | 0 | 0.862 | 367614 | 121402 | 182 | 455 | 667 | 3.29(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:46 | 11:46 | 0 | 1.001 | 691697 | 283138 | 207 | 517 | 1368 | | |
| 190.0363 | 11:46 | 11:46 | 0 | 1.001 | 214673 | 87691 | 84 | 210 | 1044 | 3.22(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | 13:45 | 0 | 0.989 | 705497 | 240511 | 207 | 517 | 1162 | | |
| 190.0363 | 13:45 | 13:45 | 0 | 0.989 | 216094 | 73134 | 84 | 210 | 871 | 3.26(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | 13:56 | 0 | 1.001 | 716380 | 231185 | 207 | 517 | 1117 | | |
| 190.0363 | 13:56 | 13:56 | 0 | 1.001 | 221973 | 72514 | 84 | 210 | 863 | 3.23(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:11 | 14:11 | 0 | 0.878 | 357040 | 117589 | 66 | 165 | 1782 | | |
| 236.0376 | 14:11 | 14:11 | 0 | 0.878 | 230164 | 74001 | 33 | 82 | 2242 | 1.55(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:08 | 16:08 | 0 | | 622058 | 185952 | 66 | 165 | 2817 | | |
| 236.0376 | 16:08 | 16:08 | 0 | | 380857 | 113262 | 33 | 82 | 3432 | 1.63(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 16:58 | 16:58 | 0 | 1.197 | 286881 | 79444 | 66 | 165 | 1204 | | |
| 236.0376 | 16:58 | 16:58 | 0 | 1.197 | 185557 | 51854 | 33 | 82 | 1571 | 1.55(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:02 | 20:02 | 0 | 1.242 | 635507 | 156829 | 66 | 165 | 2376 | | |
| 236.0376 | 20:02 | 20:02 | 0 | 1.242 | 391150 | 98328 | 33 | 82 | 2980 | 1.62(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:11 | 14:11 | 0 | 1.001 | 218994 | 73924 | 36 | 90 | 2053 | | |
| 223.9974 | 14:11 | 14:11 | 0 | 1.001 | 135891 | 45628 | 22 | 55 | 2074 | 1.61(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:22 | 14:22 | 0 | 1.013 | 350201 | 116038 | 36 | 90 | 3223 | | |
| 223.9974 | 14:22 | 14:22 | 0 | 1.013 | 217192 | 71995 | 22 | 55 | 3273 | 1.61(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:09 | 16:09 | 0 | 1.139 | 344514 | 105054 | 36 | 90 | 2918 | | |
| 223.9974 | 16:09 | 16:09 | 0 | 1.139 | 214354 | 65639 | 22 | 55 | 2984 | 1.61(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:19 | 16:19 | 0 | 1.151 | 395917 | 115401 | 36 | 90 | 3206 | | |
| 223.9974 | 16:19 | 16:19 | 0 | 1.151 | 245022 | 71705 | 22 | 55 | 3259 | 1.62(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:33 | 16:33 | 0 | 1.168 | 371415 | 107787 | 36 | 90 | 2994 | | |
| 223.9974 | 16:33 | 16:33 | 0 | 1.168 | 232216 | 67310 | 22 | 55 | 3060 | 1.60(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:51 | 16:51 | 0 | 1.189 | 372520 | 108457 | 36 | 90 | 3013 | | |
| 223.9974 | 16:51 | 16:51 | 0 | 1.189 | 233293 | 68133 | 22 | 55 | 3097 | 1.60(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:59 | 16:59 | 0 | 1.198 | 383922 | 109369 | 36 | 90 | 3038 | | |
| 223.9974 | 16:59 | 16:59 | 0 | 1.198 | 239344 | 67742 | 22 | 55 | 3079 | 1.60(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | 18:37 | 0 | 0.929 | 444625 | 119140 | 36 | 90 | 3309 | | |
| 223.9974 | 18:37 | 18:37 | 0 | 0.929 | 275594 | 73442 | 22 | 55 | 3338 | 1.61(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:27 | 19:27 | 0 | 0.971 | 366681 | 95670 | 36 | 90 | 2658 | | |
| 223.9974 | 19:27 | 19:27 | 0 | 0.971 | 230272 | 59308 | 22 | 55 | 2696 | 1.59(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:46 | 0 | 0.986 | 764760 | 118629 | 36 | 90 | 3295 | | |
| 223.9974 | 19:46 | 19:46 | 0 | 0.986 | 473731 | 73380 | 22 | 55 | 3335 | 1.61(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:46 | 19:46 | 0 | 0.986 | 764760 | 118629 | 36 | 90 | 3295 | | |
| 223.9974 | 19:46 | 19:46 | 0 | 0.986 | 473731 | 73380 | 22 | 55 | 3335 | 1.61(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:04 | 20:04 | 0 | 1.001 | 404720 | 95068 | 36 | 90 | 2641 | | |
| 223.9974 | 20:04 | 20:04 | 0 | 1.001 | 257881 | 59010 | 22 | 55 | 2682 | 1.57(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:16 | 17:16 | 0 | 0.841 | 173493 | 49923 | 353 | 882 | 141 | | |
| 269.9986 | 17:16 | 17:16 | 0 | 0.841 | 162088 | 47073 | 97 | 242 | 485 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:31 | 0 | | 272783 | 69288 | 353 | 882 | 196 | | |
| 269.9986 | 20:31 | 20:31 | 0 | | 267442 | 68270 | 97 | 242 | 704 | 1.02(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:47 | 0 | | 1238705 | 300315 | 383 | 957 | 784 | | |
| 269.9986 | 22:47 | 22:47 | 0 | | 1168668 | 283342 | 234 | 585 | 1211 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:04 | 0 | 1.013 | 661473 | 152821 | 383 | 957 | 399 | | |
| 269.9986 | 23:04 | 23:04 | 0 | 1.013 | 617265 | 142181 | 234 | 585 | 608 | 1.07(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:04 | 0 | 1.188 | 1130164 | 242349 | 383 | 957 | 633 | | |
| 269.9986 | 27:04 | 27:04 | 0 | 1.188 | 1035432 | 221641 | 234 | 585 | 947 | 1.09(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:17 | 17:17 | 0 | 1.002 | 115238 | 32903 | 8 | 20 | 4113 | | |
| 257.9584 | 17:17 | 17:17 | 0 | 1.002 | 104509 | 29828 | 19 | 47 | 1570 | 1.10(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:08 | 0 | 1.108 | 317935 | 68911 | 8 | 20 | 8614 | | |
| 257.9584 | 19:08 | 19:08 | 0 | 1.108 | 288219 | 62636 | 19 | 47 | 3297 | 1.10(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:08 | 0 | 1.108 | 317935 | 68911 | 8 | 20 | 8614 | | |
| 257.9584 | 19:08 | 19:08 | 0 | 1.108 | 288219 | 62636 | 19 | 47 | 3297 | 1.10(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:34 | 19:34 | 0 | 1.133 | 135141 | 36192 | 8 | 20 | 4524 | | |
| 257.9584 | 19:34 | 19:34 | 0 | 1.133 | 121277 | 32257 | 19 | 47 | 1698 | 1.11(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:46 | 19:46 | 0 | 1.146 | 183179 | 47102 | 8 | 20 | 5888 | | |
| 257.9584 | 19:46 | 19:46 | 0 | 1.146 | 164760 | 43017 | 19 | 47 | 2264 | 1.11(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:54 | 19:54 | 0 | 1.153 | 179616 | 46135 | 8 | 20 | 5767 | | |
| 257.9584 | 19:54 | 19:54 | 0 | 1.153 | 163868 | 41865 | 19 | 47 | 2203 | 1.10(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:01 | 20:01 | 0 | 1.160 | 105389 | 27366 | 8 | 20 | 3421 | | |
| 257.9584 | 20:01 | 20:01 | 0 | 1.160 | 94150 | 24596 | 19 | 47 | 1295 | 1.12(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:33 | 20:33 | 0 | 1.190 | 201349 | 49727 | 8 | 20 | 6216 | | |
| 257.9584 | 20:32 | 20:33 | -1 | 1.190 | 180240 | 44989 | 19 | 47 | 2368 | 1.12(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:48 | 21:48 | 0 | 1.263 | 637935 | 158604 | 1242 | 3105 | 128 | | |
| 257.9584 | 21:48 | 21:48 | 0 | 1.263 | 604094 | 149379 | 743 | 1857 | 201 | 1.06(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:57 | 21:57 | 0 | 1.272 | 644507 | 159768 | 1242 | 3105 | 129 | | |
| 257.9584 | 21:57 | 21:57 | 0 | 1.272 | 624859 | 152518 | 743 | 1857 | 205 | 1.03(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:16 | 22:16 | 0 | 1.290 | 1315272 | 250182 | 1242 | 3105 | 201 | | |
| 257.9584 | 22:16 | 22:16 | 0 | 1.290 | 1259432 | 239438 | 743 | 1857 | 322 | 1.04(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:16 | 22:16 | 0 | 1.290 | 1315272 | 250182 | 1242 | 3105 | 201 | | |
| 257.9584 | 22:16 | 22:16 | 0 | 1.290 | 1259432 | 239438 | 743 | 1857 | 322 | 1.04(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:30 | 0 | 0.831 | 673219 | 154868 | 1242 | 3105 | 125 | | |
| 257.9584 | 22:30 | 22:30 | 0 | 0.831 | 652752 | 145185 | 743 | 1857 | 195 | 1.03(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:48 | 0 | 0.842 | 699173 | 169306 | 1242 | 3105 | 136 | | |
| 257.9584 | 22:48 | 22:48 | 0 | 0.842 | 665437 | 160639 | 743 | 1857 | 216 | 1.05(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:06 | 0 | 0.854 | 1284068 | 265706 | 1242 | 3105 | 214 | | |
| 257.9584 | 23:06 | 23:06 | 0 | 0.854 | 1231984 | 254149 | 743 | 1857 | 342 | 1.04(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:06 | 23:06 | 0 | 0.854 | 1284068 | 265706 | 1242 | 3105 | 214 | | |
| 257.9584 | 23:06 | 23:06 | 0 | 0.854 | 1231984 | 254149 | 743 | 1857 | 342 | 1.04(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:20 | 0 | 0.862 | 1370763 | 178175 | 1242 | 3105 | 143 | | |
| 257.9584 | 23:20 | 23:20 | 0 | 0.862 | 1304850 | 168279 | 743 | 1857 | 226 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:20 | 0 | 0.862 | 1370763 | 178175 | 1242 | 3105 | 143 | | |
| 257.9584 | 23:20 | 23:20 | 0 | 0.862 | 1304850 | 168279 | 743 | 1857 | 226 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:44 | 0 | 0.877 | 633568 | 148685 | 1242 | 3105 | 120 | | |
| 257.9584 | 23:44 | 23:44 | 0 | 0.877 | 608237 | 140138 | 743 | 1857 | 189 | 1.04(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:17 | 25:17 | 0 | 0.934 | 715885 | 154963 | 1242 | 3105 | 125 | | |
| 257.9584 | 25:17 | 25:17 | 0 | 0.934 | 677069 | 148162 | 743 | 1857 | 199 | 1.06(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:38 | 25:38 | 0 | 0.947 | 706907 | 156590 | 1242 | 3105 | 126 | | |
| 257.9584 | 25:38 | 25:38 | 0 | 0.947 | 671200 | 149459 | 743 | 1857 | 201 | 1.05(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | M |
| 255.9613 | 26:13 | 26:13 | 0 | 0.969 | 626740 | 143617 | 1242 | 3105 | 116 | | M |
| 257.9584 | 26:13 | 26:13 | 0 | 0.969 | 604849 | 136121 | 743 | 1857 | 183 | 1.04(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | M |
| 255.9613 | 26:41 | 26:41 | 0 | 0.986 | 598135 | 134375 | 1242 | 3105 | 108 | | M |
| 257.9584 | 26:41 | 26:41 | 0 | 0.986 | 575251 | 127371 | 743 | 1857 | 171 | 1.04(0.88-1.20) | M |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:05 | 27:05 | 0 | 1.001 | 643562 | 136570 | 1242 | 3105 | 110 | | |
| 257.9584 | 27:05 | 27:05 | 0 | 1.001 | 607664 | 129367 | 743 | 1857 | 174 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:21 | 0 | 0.817 | 193992 | 48645 | 25 | 62 | 1946 | | |
| 303.9597 | 20:21 | 20:21 | 0 | 0.817 | 242862 | 60873 | 14 | 35 | 4348 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:54 | 24:54 | 0 | | 552262 | 128808 | 249 | 622 | 517 | | |
| 303.9597 | 24:54 | 24:54 | 0 | | 695532 | 160459 | 218 | 545 | 736 | 0.79(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:50 | 32:50 | 0 | 0.971 | 355838 | 76473 | 249 | 622 | 307 | | |
| 303.9597 | 32:50 | 32:50 | 0 | 0.971 | 439146 | 94806 | 218 | 545 | 435 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:50 | 33:50 | 0 | 1.359 | 681416 | 136210 | 249 | 622 | 547 | | |
| 303.9597 | 33:50 | 33:50 | 1 | 1.359 | 837255 | 167443 | 218 | 545 | 768 | 0.81(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:23 | 34:23 | 0 | 1.381 | 699113 | 136876 | 249 | 622 | 550 | | |
| 303.9597 | 34:23 | 34:23 | 0 | 1.381 | 848406 | 172683 | 218 | 545 | 792 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:22 | 20:22 | 0 | 1.000 | 106405 | 27395 | 8 | 20 | 3424 | | |
| 291.9194 | 20:22 | 20:22 | 0 | 1.000 | 136727 | 35638 | 5 | 12 | 7128 | 0.78(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:33 | 0 | 1.108 | 652795 | 121239 | 118 | 295 | 1027 | | |
| 291.9194 | 22:33 | 22:33 | 0 | 1.108 | 826472 | 153276 | 130 | 325 | 1179 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:33 | 0 | 1.108 | 652795 | 121239 | 118 | 295 | 1027 | | |
| 291.9194 | 22:33 | 22:33 | 0 | 1.108 | 826472 | 153276 | 130 | 325 | 1179 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:16 | 23:16 | 0 | 1.144 | 614490 | 78993 | 118 | 295 | 669 | | M |
| 291.9194 | 23:16 | 23:16 | 0 | 1.144 | 771348 | 100300 | 130 | 325 | 772 | 0.80(0.65-0.89) | M |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:16 | 23:16 | 0 | 1.144 | 614490 | 78993 | 118 | 295 | 669 | | M |
| 291.9194 | 23:16 | 23:16 | 0 | 1.144 | 771348 | 100300 | 130 | 325 | 772 | 0.80(0.65-0.89) | M |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:31 | 23:31 | 0 | 1.156 | 269166 | 64180 | 118 | 295 | 544 | | |
| 291.9194 | 23:31 | 23:31 | 0 | 1.156 | 338237 | 80541 | 130 | 325 | 620 | 0.80(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:56 | 0 | 1.225 | 320603 | 74723 | 118 | 295 | 633 | | |
| 291.9194 | 24:56 | 24:56 | 0 | 1.225 | 397412 | 93271 | 130 | 325 | 717 | 0.81(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:05 | 25:05 | 0 | 1.232 | 696908 | 97785 | 118 | 295 | 829 | | M |
| 291.9194 | 25:05 | 25:05 | 0 | 1.232 | 875982 | 122866 | 130 | 325 | 945 | 0.80(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:05 | 25:05 | 0 | 1.232 | 696908 | 97785 | 118 | 295 | 829 | | M |
| 291.9194 | 25:05 | 25:05 | 0 | 1.232 | 875982 | 122866 | 130 | 325 | 945 | 0.80(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:23 | 0 | 1.248 | 772545 | 120127 | 118 | 295 | 1018 | | |
| 291.9194 | 25:23 | 25:23 | 0 | 1.248 | 972535 | 152449 | 130 | 325 | 1173 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:23 | 25:23 | 0 | 1.248 | 772545 | 120127 | 118 | 295 | 1018 | | |
| 291.9194 | 25:23 | 25:23 | 0 | 1.248 | 972535 | 152449 | 130 | 325 | 1173 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:42 | 25:42 | 0 | 1.263 | 317657 | 73252 | 118 | 295 | 621 | | |
| 291.9194 | 25:42 | 25:42 | 0 | 1.263 | 397436 | 93240 | 130 | 325 | 717 | 0.80(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:57 | 0 | 1.275 | 1018357 | 177233 | 118 | 295 | 1502 | | |
| 291.9194 | 25:57 | 25:57 | 0 | 1.275 | 1275551 | 223939 | 130 | 325 | 1723 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:57 | 0 | 1.275 | 1018357 | 177233 | 118 | 295 | 1502 | | |
| 291.9194 | 25:57 | 25:57 | 0 | 1.275 | 1275551 | 223939 | 130 | 325 | 1723 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:57 | 0 | 1.275 | 1018357 | 177233 | 118 | 295 | 1502 | | |
| 291.9194 | 25:57 | 25:57 | 0 | 1.275 | 1275551 | 223939 | 130 | 325 | 1723 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:14 | 0 | 1.289 | 1317437 | 199134 | 118 | 295 | 1688 | | |
| 291.9194 | 26:14 | 26:14 | 0 | 1.289 | 1630795 | 247660 | 130 | 325 | 1905 | 0.81(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:14 | 0 | 1.289 | 1317437 | 199134 | 118 | 295 | 1688 | | |
| 291.9194 | 26:14 | 26:14 | 0 | 1.289 | 1630795 | 247660 | 130 | 325 | 1905 | 0.81(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:14 | 0 | 1.289 | 1317437 | 199134 | 118 | 295 | 1688 | | |
| 291.9194 | 26:14 | 26:14 | 0 | 1.289 | 1630795 | 247660 | 130 | 325 | 1905 | 0.81(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:27 | 26:27 | 0 | 1.300 | 296434 | 67074 | 118 | 295 | 568 | | |
| 291.9194 | 26:27 | 26:27 | 0 | 1.300 | 373752 | 85031 | 130 | 325 | 654 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:57 | 26:57 | 0 | 1.324 | 906696 | 136539 | 118 | 295 | 1157 | | |
| 291.9194 | 26:57 | 26:57 | 0 | 1.324 | 1122949 | 169873 | 130 | 325 | 1307 | 0.81(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:57 | 26:57 | 0 | 1.324 | 906696 | 136539 | 118 | 295 | 1157 | | |
| 291.9194 | 26:57 | 26:57 | 0 | 1.324 | 1122949 | 169873 | 130 | 325 | 1307 | 0.81(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:57 | 26:57 | 0 | 1.324 | 906696 | 136539 | 118 | 295 | 1157 | | |
| 291.9194 | 26:57 | 26:57 | 0 | 1.324 | 1122949 | 169873 | 130 | 325 | 1307 | 0.81(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:10 | 27:10 | 0 | 1.335 | 463088 | 104529 | 118 | 295 | 886 | | |
| 291.9194 | 27:10 | 27:10 | 0 | 1.335 | 571238 | 128053 | 130 | 325 | 985 | 0.81(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:00 | 28:00 | 0 | 0.828 | 440721 | 98873 | 118 | 295 | 838 | | |
| 291.9194 | 28:00 | 28:00 | 0 | 0.828 | 551580 | 122867 | 130 | 325 | 945 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:17 | 28:17 | 0 | 0.836 | 493360 | 103272 | 118 | 295 | 875 | | |
| 291.9194 | 28:17 | 28:17 | 0 | 0.836 | 616762 | 130516 | 130 | 325 | 1004 | 0.80(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:42 | 28:42 | 0 | 0.849 | 428385 | 94986 | 118 | 295 | 805 | | |
| 291.9194 | 28:42 | 28:42 | 0 | 0.849 | 537440 | 119981 | 130 | 325 | 923 | 0.80(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:57 | 28:57 | 0 | 0.856 | 448266 | 96139 | 118 | 295 | 815 | | |
| 291.9194 | 28:57 | 28:57 | 0 | 0.856 | 558927 | 120237 | 130 | 325 | 925 | 0.80(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:07 | 29:07 | 0 | 0.861 | 463145 | 96201 | 118 | 295 | 815 | | |
| 291.9194 | 29:07 | 29:07 | 0 | 0.861 | 575936 | 119438 | 130 | 325 | 919 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:23 | 29:23 | 0 | 0.869 | 490903 | 103283 | 118 | 295 | 875 | | |
| 291.9194 | 29:23 | 29:23 | 0 | 0.869 | 609261 | 129895 | 130 | 325 | 999 | 0.81(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:43 | 0 | 0.878 | 1772958 | 197330 | 118 | 295 | 1672 | | |
| 291.9194 | 29:43 | 29:43 | 0 | 0.878 | 2229735 | 248165 | 130 | 325 | 1909 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:43 | 0 | 0.878 | 1772958 | 197330 | 118 | 295 | 1672 | | |
| 291.9194 | 29:43 | 29:43 | 0 | 0.878 | 2229735 | 248165 | 130 | 325 | 1909 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:43 | 0 | 0.878 | 1772958 | 197330 | 118 | 295 | 1672 | | |
| 291.9194 | 29:43 | 29:43 | 0 | 0.878 | 2229735 | 248165 | 130 | 325 | 1909 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:43 | 29:43 | 0 | 0.878 | 1772958 | 197330 | 118 | 295 | 1672 | | |
| 291.9194 | 29:43 | 29:43 | 0 | 0.878 | 2229735 | 248165 | 130 | 325 | 1909 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:03 | 30:03 | 0 | 0.888 | 436937 | 88568 | 118 | 295 | 751 | | |
| 291.9194 | 30:03 | 30:03 | 0 | 0.888 | 550217 | 112026 | 130 | 325 | 862 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:12 | 30:12 | 0 | 0.893 | 433715 | 93614 | 118 | 295 | 793 | | |
| 291.9194 | 30:12 | 30:12 | 0 | 0.893 | 538004 | 117564 | 130 | 325 | 904 | 0.81(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:42 | 30:42 | 0 | 0.908 | 404836 | 87619 | 118 | 295 | 743 | | |
| 291.9194 | 30:42 | 30:42 | 0 | 0.908 | 506383 | 110929 | 130 | 325 | 853 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:55 | 30:55 | 0 | 0.914 | 435941 | 91750 | 118 | 295 | 778 | | |
| 291.9194 | 30:55 | 30:55 | 0 | 0.914 | 538074 | 112351 | 130 | 325 | 864 | 0.81(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:21 | 31:21 | 0 | 0.927 | 474148 | 101355 | 118 | 295 | 859 | | |
| 291.9194 | 31:20 | 31:21 | -1 | 0.926 | 592790 | 127289 | 130 | 325 | 979 | 0.80(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:51 | 32:51 | 0 | 0.971 | 484415 | 97733 | 118 | 295 | 828 | | |
| 291.9194 | 32:51 | 32:51 | 0 | 0.971 | 609489 | 123125 | 130 | 325 | 947 | 0.79(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:25 | 33:25 | 0 | 0.988 | 402416 | 83592 | 118 | 295 | 708 | | |
| 291.9194 | 33:25 | 33:25 | 0 | 0.988 | 509834 | 105250 | 130 | 325 | 810 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:51 | 33:51 | 0 | 1.001 | 425035 | 87886 | 118 | 295 | 745 | | |
| 291.9194 | 33:51 | 33:51 | 0 | 1.001 | 534128 | 109186 | 130 | 325 | 840 | 0.80(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:25 | 34:25 | 0 | 1.001 | 437364 | 88284 | 118 | 295 | 748 | | |
| 291.9194 | 34:25 | 34:25 | 0 | 1.001 | 541194 | 108339 | 130 | 325 | 833 | 0.81(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:51 | 0 | 0.814 | 602924 | 137040 | 23 | 57 | 5958 | | |
| 339.9178 | 25:51 | 25:51 | 0 | 0.814 | 373493 | 85295 | 20 | 50 | 4265 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:49 | 28:49 | 0 | 1.115 | 229513 | 50030 | 23 | 57 | 2175 | | |
| 339.9178 | 28:49 | 28:49 | 0 | 1.115 | 142737 | 31311 | 20 | 50 | 1566 | 1.61(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:46 | 31:46 | 0 | | 480469 | 102811 | 23 | 57 | 4470 | | |
| 339.9178 | 31:46 | 31:46 | 0 | | 297512 | 62939 | 20 | 50 | 3147 | 1.61(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:27 | 34:27 | 0 | 1.085 | 317222 | 65168 | 23 | 57 | 2833 | | |
| 339.9178 | 34:27 | 34:27 | 0 | 1.085 | 197750 | 42703 | 20 | 50 | 2135 | 1.60(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:25 | 36:25 | 0 | 1.146 | 1029406 | 210292 | 415 | 1037 | 507 | | |
| 339.9178 | 36:24 | 36:25 | -1 | 1.146 | 646259 | 131358 | 343 | 857 | 383 | 1.59(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:44 | 36:44 | 0 | 1.157 | 1084723 | 219465 | 415 | 1037 | 529 | | |
| 339.9178 | 36:44 | 36:44 | 0 | 1.157 | 674525 | 139413 | 343 | 857 | 406 | 1.61(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:16 | 37:16 | 0 | 1.173 | 1056582 | 215079 | 415 | 1037 | 518 | | |
| 339.9178 | 37:16 | 37:16 | 0 | 1.173 | 661475 | 138453 | 343 | 857 | 404 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:54 | 37:54 | 0 | 1.193 | 1064387 | 219208 | 415 | 1037 | 528 | | |
| 339.9178 | 37:54 | 37:54 | 0 | 1.193 | 649791 | 134129 | 343 | 857 | 391 | 1.64(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:23 | 39:23 | 0 | | 1050459 | 210022 | 415 | 1037 | 506 | | |
| 339.9178 | 39:23 | 39:23 | 0 | | 648433 | 129472 | 343 | 857 | 377 | 1.62(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:00 | 41:00 | 0 | 1.291 | 995912 | 194510 | 415 | 1037 | 469 | | |
| 339.9178 | 41:00 | 41:00 | 0 | 1.291 | 614403 | 122015 | 343 | 857 | 356 | 1.62(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | 25:53 | 0 | 1.001 | 413356 | 94501 | 23 | 57 | 4109 | | |
| 327.8775 | 25:53 | 25:53 | 0 | 1.001 | 260127 | 60002 | 20 | 50 | 3000 | 1.59(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | 26:14 | 0 | 1.015 | 355903 | 79330 | 23 | 57 | 3449 | | |
| 327.8775 | 26:14 | 26:14 | 0 | 1.015 | 221701 | 49521 | 20 | 50 | 2476 | 1.61(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:11 | 28:11 | 0 | 1.090 | 308838 | 69162 | 23 | 57 | 3007 | | |
| 327.8775 | 28:11 | 28:11 | 0 | 1.090 | 191131 | 43331 | 20 | 50 | 2167 | 1.62(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:24 | 28:24 | 0 | 1.099 | 271487 | 58668 | 23 | 57 | 2551 | | |
| 327.8775 | 28:24 | 28:24 | 0 | 1.099 | 168423 | 36468 | 20 | 50 | 1823 | 1.61(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:51 | 28:51 | 0 | 1.116 | 295015 | 64165 | 23 | 57 | 2790 | | |
| 327.8775 | 28:51 | 28:51 | 0 | 1.116 | 183746 | 39562 | 20 | 50 | 1978 | 1.61(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:05 | 0 | 1.125 | 585097 | 124468 | 23 | 57 | 5412 | | |
| 327.8775 | 29:04 | 29:05 | -1 | 1.124 | 362824 | 76244 | 20 | 50 | 3812 | 1.61(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:05 | 0 | 1.125 | 585097 | 124468 | 23 | 57 | 5412 | | |
| 327.8775 | 29:04 | 29:05 | -1 | 1.124 | 362824 | 76244 | 20 | 50 | 3812 | 1.61(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:13 | 29:13 | 0 | 1.130 | 608113 | 71627 | 23 | 57 | 3114 | | M |
| 327.8775 | 29:13 | 29:13 | 0 | 1.130 | 367536 | 44482 | 20 | 50 | 2224 | 1.65(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:13 | 29:13 | 0 | 1.130 | 608113 | 71627 | 23 | 57 | 3114 | | M |
| 327.8775 | 29:13 | 29:13 | 0 | 1.130 | 367536 | 44482 | 20 | 50 | 2224 | 1.65(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | M |
| 325.8804 | 29:43 | 29:43 | 0 | 1.149 | 606939 | 68944 | 23 | 57 | 2998 | | M |
| 327.8775 | 29:43 | 29:43 | 0 | 1.149 | 369831 | 43559 | 20 | 50 | 2178 | 1.64(1.32-1.78) | M |
| PCB-91 (C88) | | | | | | | | | | | M |
| 325.8804 | 29:43 | 29:43 | 0 | 1.149 | 606939 | 68944 | 23 | 57 | 2998 | | M |
| 327.8775 | 29:43 | 29:43 | 0 | 1.149 | 369831 | 43559 | 20 | 50 | 2178 | 1.64(1.32-1.78) | M |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:56 | 29:56 | 0 | 1.158 | 253633 | 54926 | 23 | 57 | 2388 | | |
| 327.8775 | 29:56 | 29:56 | 0 | 1.158 | 162919 | 34915 | 20 | 50 | 1746 | 1.56(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:25 | 30:25 | 0 | 1.176 | 268844 | 56946 | 23 | 57 | 2476 | | |
| 327.8775 | 30:25 | 30:25 | 0 | 1.176 | 168566 | 35571 | 20 | 50 | 1779 | 1.59(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:50 | 30:50 | 0 | 1.193 | 412650 | 89264 | 23 | 57 | 3881 | | |
| 327.8775 | 30:50 | 30:50 | 0 | 1.193 | 255069 | 55277 | 20 | 50 | 2764 | 1.62(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:12 | 31:12 | 0 | 0.857 | 281906 | 59810 | 23 | 57 | 2600 | | |
| 327.8775 | 31:12 | 31:12 | 0 | 0.857 | 176806 | 38288 | 20 | 50 | 1914 | 1.59(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:47 | 0 | 1.229 | 969053 | 142913 | 23 | 57 | 6214 | | |
| 327.8775 | 31:47 | 31:47 | 0 | 1.229 | 604970 | 88856 | 20 | 50 | 4443 | 1.60(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:47 | 0 | 1.229 | 969053 | 142913 | 23 | 57 | 6214 | | |
| 327.8775 | 31:47 | 31:47 | 0 | 1.229 | 604970 | 88856 | 20 | 50 | 4443 | 1.60(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:47 | 0 | 1.229 | 969053 | 142913 | 23 | 57 | 6214 | | |
| 327.8775 | 31:47 | 31:47 | 0 | 1.229 | 604970 | 88856 | 20 | 50 | 4443 | 1.60(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:22 | 32:22 | 0 | 1.252 | 560997 | 67828 | 23 | 57 | 2949 | | |
| 327.8775 | 32:22 | 32:22 | 0 | 1.252 | 358636 | 42906 | 20 | 50 | 2145 | 1.56(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:22 | 32:22 | 0 | 1.252 | 560997 | 67828 | 23 | 57 | 2949 | | |
| 327.8775 | 32:22 | 32:22 | 0 | 1.252 | 358636 | 42906 | 20 | 50 | 2145 | 1.56(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | 32:29 | 0 | 1.257 | 400589 | 82328 | 23 | 57 | 3579 | | |
| 327.8775 | 32:29 | 32:29 | -1 | 1.256 | 246482 | 50739 | 20 | 50 | 2537 | 1.63(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 0 | 1.271 | 1973825 | 231630 | 23 | 57 | 10071 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.271 | 1227353 | 145036 | 20 | 50 | 7252 | 1.61(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 0 | 1.271 | 1973825 | 231630 | 23 | 57 | 10071 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.271 | 1227353 | 145036 | 20 | 50 | 7252 | 1.61(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 0 | 1.271 | 1973825 | 231630 | 23 | 57 | 10071 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.271 | 1227353 | 145036 | 20 | 50 | 7252 | 1.61(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 0 | 1.271 | 1973825 | 231630 | 23 | 57 | 10071 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.271 | 1227353 | 145036 | 20 | 50 | 7252 | 1.61(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 0 | 1.271 | 1973825 | 231630 | 23 | 57 | 10071 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.271 | 1227353 | 145036 | 20 | 50 | 7252 | 1.61(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:51 | 32:51 | 0 | 1.271 | 1973825 | 231630 | 23 | 57 | 10071 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.271 | 1227353 | 145036 | 20 | 50 | 7252 | 1.61(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:36 | 0 | 1.299 | 1045452 | 135616 | 23 | 57 | 5896 | | |
| 327.8775 | 33:35 | 33:36 | -1 | 1.299 | 652283 | 85366 | 20 | 50 | 4268 | 1.60(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:36 | 0 | 1.299 | 1045452 | 135616 | 23 | 57 | 5896 | | |
| 327.8775 | 33:35 | 33:36 | -1 | 1.299 | 652283 | 85366 | 20 | 50 | 4268 | 1.60(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:36 | 0 | 1.299 | 1045452 | 135616 | 23 | 57 | 5896 | | |
| 327.8775 | 33:35 | 33:36 | -1 | 1.299 | 652283 | 85366 | 20 | 50 | 4268 | 1.60(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:50 | 0 | 1.309 | 784821 | 85296 | 23 | 57 | 3709 | | |
| 327.8775 | 33:50 | 33:50 | 0 | 1.309 | 487393 | 54148 | 20 | 50 | 2707 | 1.61(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:50 | 0 | 1.309 | 784821 | 85296 | 23 | 57 | 3709 | | |
| 327.8775 | 33:50 | 33:50 | 0 | 1.309 | 487393 | 54148 | 20 | 50 | 2707 | 1.61(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:05 | 34:05 | 0 | 1.318 | 251226 | 49204 | 23 | 57 | 2139 | | |
| 327.8775 | 34:04 | 34:05 | -1 | 1.318 | 157522 | 30273 | 20 | 50 | 1514 | 1.59(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | 34:28 | 0 | 1.333 | 418147 | 87143 | 23 | 57 | 3789 | | |
| 327.8775 | 34:28 | 34:28 | 0 | 1.333 | 263223 | 55249 | 20 | 50 | 2762 | 1.59(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:56 | 34:56 | 0 | 1.351 | 424493 | 86611 | 23 | 57 | 3766 | | |
| 327.8775 | 34:56 | 34:56 | 0 | 1.351 | 265760 | 54831 | 20 | 50 | 2742 | 1.60(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:04 | 0 | 1.395 | 1184891 | 238525 | 301 | 752 | 792 | | |
| 327.8775 | 36:04 | 36:04 | 0 | 1.395 | 744939 | 148612 | 158 | 395 | 941 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:04 | 0 | 1.395 | 1184891 | 238525 | 301 | 752 | 792 | | |
| 327.8775 | 36:04 | 36:04 | 0 | 1.395 | 744939 | 148612 | 158 | 395 | 941 | 1.59(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:18 | 36:18 | 0 | 1.404 | 657504 | 124576 | 301 | 752 | 414 | | |
| 327.8775 | 36:18 | 36:18 | 0 | 1.404 | 415200 | 79161 | 158 | 395 | 501 | 1.58(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:26 | 36:26 | 0 | 1.000 | 640603 | 131783 | 301 | 752 | 438 | | |
| 327.8775 | 36:26 | 36:26 | 0 | 1.000 | 409066 | 83959 | 158 | 395 | 531 | 1.57(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:33 | 36:33 | 0 | 1.004 | 590365 | 122023 | 301 | 752 | 405 | | |
| 327.8775 | 36:33 | 36:33 | 0 | 1.004 | 377000 | 78925 | 158 | 395 | 500 | 1.57(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:45 | 36:45 | 0 | 1.000 | 648429 | 128398 | 301 | 752 | 427 | | |
| 327.8775 | 36:45 | 36:45 | 0 | 1.000 | 413483 | 82012 | 158 | 395 | 519 | 1.57(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:06 | 37:06 | 0 | 1.010 | 563627 | 114388 | 301 | 752 | 380 | | |
| 327.8775 | 37:06 | 37:06 | 0 | 1.010 | 356469 | 72457 | 158 | 395 | 459 | 1.58(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:17 | 37:17 | 0 | 1.000 | 667630 | 128162 | 301 | 752 | 426 | | |
| 327.8775 | 37:17 | 37:17 | 0 | 1.000 | 429010 | 82389 | 158 | 395 | 521 | 1.56(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:56 | 37:56 | 0 | 1.001 | 615801 | 120309 | 301 | 752 | 400 | | |
| 327.8775 | 37:56 | 37:56 | 0 | 1.001 | 389219 | 76152 | 158 | 395 | 482 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:25 | 39:25 | 0 | 1.040 | 619507 | 119802 | 301 | 752 | 398 | | |
| 327.8775 | 39:25 | 39:25 | 0 | 1.040 | 391878 | 76536 | 158 | 395 | 484 | 1.58(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:01 | 41:01 | 0 | 1.001 | 602816 | 111915 | 301 | 752 | 372 | | |
| 327.8775 | 41:01 | 41:01 | 0 | 1.001 | 379717 | 70431 | 158 | 395 | 446 | 1.59(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:33 | 31:33 | 0 | 0.792 | 481389 | 100524 | 17 | 42 | 5913 | | |
| 373.8788 | 31:33 | 31:33 | 0 | 0.792 | 378695 | 81000 | 16 | 40 | 5063 | 1.27(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:37 | 38:37 | 0 | 0.901 | 334030 | 68592 | 283 | 707 | 242 | | |
| 373.8788 | 38:37 | 38:37 | 0 | 0.901 | 256247 | 52595 | 128 | 320 | 411 | 1.30(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:51 | 39:51 | 0 | | 648650 | 129054 | 283 | 707 | 456 | | |
| 373.8788 | 39:51 | 39:51 | 0 | | 506551 | 100346 | 128 | 320 | 784 | 1.28(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:53 | 42:53 | 0 | 1.076 | 822826 | 163670 | 283 | 707 | 578 | | |
| 373.8788 | 42:53 | 42:53 | 0 | 1.076 | 650314 | 129261 | 128 | 320 | 1010 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:02 | 44:02 | 0 | 1.105 | 1622164 | 230085 | 283 | 707 | 813 | | |
| 373.8788 | 44:02 | 44:02 | 0 | 1.105 | 1269042 | 180430 | 128 | 320 | 1410 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:02 | 44:02 | 0 | 1.105 | 1622164 | 230085 | 283 | 707 | 813 | | |
| 373.8788 | 44:02 | 44:02 | 0 | 1.105 | 1269042 | 180430 | 128 | 320 | 1410 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:15 | 47:15 | 0 | 1.186 | 766353 | 147469 | 283 | 707 | 521 | | |
| 373.8788 | 47:15 | 47:15 | 0 | 1.186 | 608070 | 116364 | 128 | 320 | 909 | 1.26(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:34 | 31:34 | 0 | 1.001 | 285944 | 61131 | 7 | 17 | 8733 | | |
| 361.8385 | 31:34 | 31:34 | 0 | 1.001 | 224750 | 48033 | 7 | 17 | 6862 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:45 | 31:45 | 0 | 1.006 | 270023 | 57088 | 7 | 17 | 8155 | | |
| 361.8385 | 31:45 | 31:45 | 0 | 1.006 | 212428 | 44795 | 7 | 17 | 6399 | 1.27(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:56 | 31:56 | 0 | 1.012 | 277957 | 58710 | 7 | 17 | 8387 | | |
| 361.8385 | 31:56 | 31:56 | 0 | 1.012 | 216867 | 46231 | 7 | 17 | 6604 | 1.28(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:16 | 32:16 | 0 | 1.023 | 258442 | 53291 | 7 | 17 | 7613 | | |
| 361.8385 | 32:16 | 32:16 | 0 | 1.023 | 201072 | 42021 | 7 | 17 | 6003 | 1.29(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:35 | 32:35 | 0 | 1.033 | 265745 | 55103 | 7 | 17 | 7872 | | |
| 361.8385 | 32:35 | 32:35 | 0 | 1.033 | 208194 | 43017 | 7 | 17 | 6145 | 1.28(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:06 | 34:06 | 0 | 1.081 | 195727 | 41401 | 7 | 17 | 5914 | | |
| 361.8385 | 34:06 | 34:06 | 0 | 1.081 | 159237 | 33060 | 7 | 17 | 4723 | 1.23(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | M |
| 359.8415 | 34:41 | 34:41 | 0 | 1.099 | 382381 | 44521 | 7 | 17 | 6360 | | |
| 361.8385 | 34:41 | 34:41 | 0 | 1.099 | 295484 | 34810 | 7 | 17 | 4973 | 1.29(1.05-1.43) | M |
| PCB-151 (C135) | | | | | | | | | | | M |
| 359.8415 | 34:41 | 34:41 | 0 | 1.099 | 382381 | 44521 | 7 | 17 | 6360 | | |
| 361.8385 | 34:41 | 34:41 | 0 | 1.099 | 295484 | 34810 | 7 | 17 | 4973 | 1.29(1.05-1.43) | M |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:57 | 34:57 | 0 | 1.108 | 221957 | 44927 | 7 | 17 | 6418 | | |
| 361.8385 | 34:57 | 34:57 | -1 | 1.108 | 174910 | 35254 | 7 | 17 | 5036 | 1.27(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:15 | 35:15 | 0 | 1.117 | 200952 | 41275 | 7 | 17 | 5896 | | |
| 361.8385 | 35:15 | 35:15 | 0 | 1.117 | 159693 | 33039 | 7 | 17 | 4720 | 1.26(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:37 | 0 | 1.129 | 714545 | 153566 | 89 | 222 | 1725 | | |
| 361.8385 | 35:37 | 35:37 | 0 | 1.129 | 561835 | 119662 | 50 | 125 | 2393 | 1.27(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:37 | 0 | 1.129 | 714545 | 153566 | 89 | 222 | 1725 | | |
| 361.8385 | 35:37 | 35:37 | 0 | 1.129 | 561835 | 119662 | 50 | 125 | 2393 | 1.27(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:55 | 35:55 | 0 | 1.139 | 637801 | 72249 | 89 | 222 | 812 | | |
| 361.8385 | 35:55 | 35:55 | 0 | 1.139 | 503668 | 56309 | 50 | 125 | 1126 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:55 | 35:55 | 0 | 1.139 | 637801 | 72249 | 89 | 222 | 812 | | |
| 361.8385 | 35:55 | 35:55 | 0 | 1.139 | 503668 | 56309 | 50 | 125 | 1126 | 1.27(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:13 | 36:13 | 0 | 1.148 | 730183 | 138650 | 89 | 222 | 1558 | | |
| 361.8385 | 36:13 | 36:13 | 0 | 1.148 | 579267 | 109405 | 50 | 125 | 2188 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:13 | 36:13 | 0 | 1.148 | 730183 | 138650 | 89 | 222 | 1558 | | |
| 361.8385 | 36:13 | 36:13 | 0 | 1.148 | 579267 | 109405 | 50 | 125 | 2188 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:25 | 36:25 | 0 | 1.154 | 318662 | 65241 | 89 | 222 | 733 | | |
| 361.8385 | 36:25 | 36:25 | 0 | 1.154 | 250756 | 51442 | 50 | 125 | 1029 | 1.27(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:34 | 36:34 | 0 | 1.159 | 320867 | 65077 | 89 | 222 | 731 | | |
| 361.8385 | 36:34 | 36:34 | 0 | 1.159 | 255007 | 52124 | 50 | 125 | 1042 | 1.26(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:52 | 36:52 | 0 | 1.169 | 324848 | 66397 | 89 | 222 | 746 | | |
| 361.8385 | 36:52 | 36:52 | 0 | 1.169 | 258827 | 53215 | 50 | 125 | 1064 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:23 | 37:23 | 0 | 1.185 | 339868 | 67955 | 89 | 222 | 764 | | |
| 361.8385 | 37:23 | 37:23 | 0 | 1.185 | 266571 | 54065 | 50 | 125 | 1081 | 1.27(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:47 | 37:47 | 0 | 0.881 | 427354 | 86052 | 89 | 222 | 967 | | |
| 361.8385 | 37:47 | 37:47 | 0 | 0.881 | 336878 | 68552 | 50 | 125 | 1371 | 1.27(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:02 | 38:02 | 0 | 0.887 | 364505 | 75608 | 89 | 222 | 850 | | |
| 361.8385 | 38:01 | 38:02 | -1 | 0.887 | 289587 | 59828 | 50 | 125 | 1197 | 1.26(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:10 | 38:10 | 0 | 0.890 | 489573 | 98592 | 89 | 222 | 1108 | | |
| 361.8385 | 38:10 | 38:10 | 0 | 0.890 | 384712 | 77390 | 50 | 125 | 1548 | 1.27(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:41 | 0 | 0.902 | 904112 | 134597 | 89 | 222 | 1512 | | |
| 361.8385 | 38:41 | 38:41 | 0 | 0.902 | 716556 | 107040 | 50 | 125 | 2141 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:41 | 0 | 0.902 | 904112 | 134597 | 89 | 222 | 1512 | | |
| 361.8385 | 38:41 | 38:41 | 0 | 0.902 | 716556 | 107040 | 50 | 125 | 2141 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:50 | 38:50 | 0 | 0.906 | 357925 | 71174 | 89 | 222 | 800 | | |
| 361.8385 | 38:50 | 38:50 | 0 | 0.906 | 281580 | 56840 | 50 | 125 | 1137 | 1.27(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:14 | 39:14 | 0 | 0.915 | 308199 | 62550 | 89 | 222 | 703 | | |
| 361.8385 | 39:14 | 39:14 | 0 | 0.915 | 247281 | 49590 | 50 | 125 | 992 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:28 | 39:28 | 0 | 0.920 | 396678 | 78843 | 89 | 222 | 886 | | |
| 361.8385 | 39:28 | 39:28 | 0 | 0.920 | 315226 | 62446 | 50 | 125 | 1249 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:35 | 39:35 | 0 | 0.923 | 451512 | 92040 | 89 | 222 | 1034 | | |
| 361.8385 | 39:35 | 39:35 | 0 | 0.923 | 359968 | 74128 | 50 | 125 | 1483 | 1.25(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 1583192 | 178391 | 89 | 222 | 2004 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 1250884 | 142177 | 50 | 125 | 2844 | 1.27(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 1583192 | 178391 | 89 | 222 | 2004 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 1250884 | 142177 | 50 | 125 | 2844 | 1.27(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 1583192 | 178391 | 89 | 222 | 2004 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 1250884 | 142177 | 50 | 125 | 2844 | 1.27(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 1583192 | 178391 | 89 | 222 | 2004 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 1250884 | 142177 | 50 | 125 | 2844 | 1.27(1.05-1.43) | M |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:17 | 40:17 | 0 | 0.940 | 515903 | 97986 | 89 | 222 | 1101 | | |
| 361.8385 | 40:17 | 40:17 | 0 | 0.940 | 410913 | 77643 | 50 | 125 | 1553 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:07 | 0 | 0.959 | 816840 | 142089 | 89 | 222 | 1597 | | |
| 361.8385 | 41:07 | 41:07 | 0 | 0.959 | 648094 | 112604 | 50 | 125 | 2252 | 1.26(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:07 | 0 | 0.959 | 816840 | 142089 | 89 | 222 | 1597 | | |
| 361.8385 | 41:07 | 41:07 | 0 | 0.959 | 648094 | 112604 | 50 | 125 | 2252 | 1.26(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:08 | 42:08 | 0 | 0.983 | 488882 | 98235 | 89 | 222 | 1104 | | |
| 361.8385 | 42:08 | 42:08 | 0 | 0.983 | 389638 | 77493 | 50 | 125 | 1550 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:25 | 42:25 | 0 | 0.989 | 508669 | 96674 | 89 | 222 | 1086 | | |
| 361.8385 | 42:25 | 42:25 | 0 | 0.989 | 402659 | 76752 | 50 | 125 | 1535 | 1.26(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:54 | 42:54 | 0 | 1.001 | 522915 | 102219 | 89 | 222 | 1149 | | |
| 361.8385 | 42:54 | 42:54 | 0 | 1.001 | 413298 | 80985 | 50 | 125 | 1620 | 1.27(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:02 | 44:02 | 0 | 1.000 | 987152 | 137224 | 89 | 222 | 1542 | | |
| 361.8385 | 44:02 | 44:02 | 0 | 1.000 | 781196 | 108361 | 50 | 125 | 2167 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:02 | 44:02 | 0 | 1.000 | 987152 | 137224 | 89 | 222 | 1542 | | |
| 361.8385 | 44:02 | 44:02 | 0 | 1.000 | 781196 | 108361 | 50 | 125 | 2167 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:17 | 47:17 | 0 | 1.001 | 467858 | 88226 | 89 | 222 | 991 | | |
| 361.8385 | 47:17 | 47:17 | 0 | 1.001 | 368906 | 69106 | 50 | 125 | 1382 | 1.27(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:17 | 37:17 | 0 | 0.821 | 585979 | 120943 | 15 | 37 | 8063 | | |
| 407.8398 | 37:17 | 37:17 | 0 | 0.821 | 550798 | 110247 | 32 | 80 | 3445 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:19 | 40:19 | 0 | 0.888 | 223371 | 44897 | 15 | 37 | 2993 | | |
| 407.8398 | 40:19 | 40:19 | 0 | 0.888 | 205844 | 41689 | 32 | 80 | 1303 | 1.09(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:26 | 45:26 | 0 | | 450356 | 88458 | 15 | 37 | 5897 | | |
| 407.8398 | 45:26 | 45:26 | 0 | | 418096 | 82908 | 32 | 80 | 2591 | 1.08(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:41 | 46:41 | 0 | 1.028 | 358898 | 71563 | 15 | 37 | 4771 | | |
| 407.8398 | 46:41 | 46:41 | 0 | 1.028 | 349932 | 68579 | 32 | 80 | 2143 | 1.03(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:48 | 49:48 | 0 | 1.096 | 928028 | 183166 | 440 | 1100 | 416 | | |
| 407.8398 | 49:48 | 49:48 | 0 | 1.096 | 883389 | 170671 | 403 | 1007 | 424 | 1.05(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:18 | 37:18 | 0 | 1.001 | 365722 | 74272 | 5 | 12 | 14854 | | |
| 395.7995 | 37:18 | 37:18 | 0 | 1.001 | 343079 | 68927 | 13 | 32 | 5302 | 1.07(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:38 | 37:38 | 0 | 1.009 | 337374 | 67536 | 5 | 12 | 13507 | | |
| 395.7995 | 37:38 | 37:38 | 0 | 1.009 | 315394 | 63459 | 13 | 32 | 4881 | 1.07(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:10 | 38:10 | 0 | 1.024 | 329233 | 67880 | 5 | 12 | 13576 | | |
| 395.7995 | 38:10 | 38:10 | 0 | 1.024 | 308764 | 63438 | 13 | 32 | 4880 | 1.07(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:30 | 38:30 | 0 | 1.033 | 368001 | 73182 | 5 | 12 | 14636 | | |
| 395.7995 | 38:30 | 38:30 | 0 | 1.033 | 344407 | 69494 | 13 | 32 | 5346 | 1.07(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:58 | 38:58 | 0 | 1.045 | 344816 | 69014 | 5 | 12 | 13803 | | |
| 395.7995 | 38:58 | 38:58 | 0 | 1.045 | 321341 | 64602 | 13 | 32 | 4969 | 1.07(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:21 | 40:21 | 0 | 1.083 | 253187 | 51341 | 5 | 12 | 10268 | | |
| 395.7995 | 40:21 | 40:21 | 0 | 1.083 | 237159 | 47390 | 13 | 32 | 3645 | 1.07(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:00 | 41:00 | 0 | 1.100 | 261587 | 51844 | 5 | 12 | 10369 | | |
| 395.7995 | 40:59 | 41:00 | -1 | 1.099 | 243822 | 48358 | 13 | 32 | 3720 | 1.07(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:15 | 41:15 | 0 | 1.107 | 268916 | 53148 | 5 | 12 | 10630 | | |
| 395.7995 | 41:15 | 41:15 | 0 | 1.107 | 251706 | 50388 | 13 | 32 | 3876 | 1.07(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:28 | 41:28 | 0 | 1.112 | 280795 | 55995 | 5 | 12 | 11199 | | |
| 395.7995 | 41:28 | 41:28 | 0 | 1.112 | 261708 | 52712 | 13 | 32 | 4055 | 1.07(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:52 | 41:52 | 0 | 1.123 | 544359 | 56436 | 5 | 12 | 11287 | | M |
| 395.7995 | 41:52 | 41:52 | 0 | 1.123 | 501923 | 53432 | 13 | 32 | 4110 | 1.08(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:52 | 41:52 | 0 | 1.123 | 544359 | 56436 | 5 | 12 | 11287 | | M |
| 395.7995 | 41:52 | 41:52 | 0 | 1.123 | 501923 | 53432 | 13 | 32 | 4110 | 1.08(0.89-1.21) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:06 | 42:06 | 0 | 1.130 | 229242 | 46494 | 5 | 12 | 9299 | | |
| 395.7995 | 42:06 | 42:06 | 0 | 1.130 | 224173 | 44152 | 13 | 32 | 3396 | 1.02(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:33 | 42:33 | 0 | 1.141 | 233236 | 44731 | 5 | 12 | 8946 | | |
| 395.7995 | 42:32 | 42:33 | -1 | 1.141 | 222973 | 42960 | 13 | 32 | 3305 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:56 | 42:56 | 0 | 1.152 | 273537 | 53179 | 5 | 12 | 10636 | | |
| 395.7995 | 42:56 | 42:56 | 0 | 1.152 | 253385 | 50537 | 13 | 32 | 3887 | 1.08(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:10 | 0 | 1.158 | 473140 | 80713 | 5 | 12 | 16143 | | |
| 395.7995 | 43:09 | 43:10 | -1 | 1.158 | 447421 | 75002 | 13 | 32 | 5769 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:10 | 0 | 1.158 | 473140 | 80713 | 5 | 12 | 16143 | | |
| 395.7995 | 43:09 | 43:10 | -1 | 1.158 | 447421 | 75002 | 13 | 32 | 5769 | 1.06(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:48 | 44:48 | 0 | 0.900 | 242940 | 48358 | 5 | 12 | 9672 | | |
| 395.7995 | 44:48 | 44:48 | 0 | 0.900 | 229696 | 45967 | 13 | 32 | 3536 | 1.06(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:04 | 45:04 | 0 | 0.905 | 325706 | 64205 | 5 | 12 | 12841 | | |
| 395.7995 | 45:04 | 45:04 | 0 | 0.905 | 306817 | 60280 | 13 | 32 | 4637 | 1.06(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:25 | 0 | 0.912 | 601994 | 80829 | 5 | 12 | 16166 | | |
| 395.7995 | 45:25 | 45:25 | 0 | 0.912 | 566670 | 74749 | 13 | 32 | 5750 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:25 | 0 | 0.912 | 601994 | 80829 | 5 | 12 | 16166 | | |
| 395.7995 | 45:25 | 45:25 | 0 | 0.912 | 566670 | 74749 | 13 | 32 | 5750 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:48 | 45:48 | 0 | 0.920 | 345387 | 67332 | 5 | 12 | 13466 | | |
| 395.7995 | 45:48 | 45:48 | 0 | 0.920 | 322797 | 63310 | 13 | 32 | 4870 | 1.07(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:42 | 46:42 | 0 | 0.938 | 247729 | 47618 | 5 | 12 | 9524 | | |
| 395.7995 | 46:42 | 46:42 | 1 | 0.938 | 231540 | 44784 | 13 | 32 | 3445 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:14 | 47:14 | 0 | 0.948 | 341478 | 65688 | 5 | 12 | 13138 | | |
| 395.7995 | 47:14 | 47:14 | 0 | 0.948 | 323685 | 62716 | 13 | 32 | 4824 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:49 | 49:49 | 0 | 1.000 | 550143 | 104249 | 134 | 335 | 778 | | |
| 395.7995 | 49:49 | 49:49 | 0 | 1.000 | 522184 | 100303 | 154 | 385 | 651 | 1.05(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:39 | 42:39 | 0 | 0.822 | 438402 | 84535 | 29 | 72 | 2915 | | |
| 441.8008 | 42:39 | 42:39 | 0 | 0.822 | 480496 | 91936 | 12 | 30 | 7661 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:55 | 51:55 | 0 | | 574024 | 110400 | 323 | 807 | 342 | | |
| 441.8008 | 51:55 | 51:55 | 0 | | 627321 | 123538 | 473 | 1182 | 261 | 0.92(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:23 | 0 | 1.009 | 691985 | 131459 | 323 | 807 | 407 | | |
| 441.8008 | 52:23 | 52:23 | 0 | 1.009 | 749651 | 141922 | 473 | 1182 | 300 | 0.92(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:40 | 42:40 | 0 | 1.000 | 205579 | 40185 | 8 | 20 | 5023 | | |
| 429.7606 | 42:40 | 42:40 | 0 | 1.000 | 226321 | 44832 | 6 | 15 | 7472 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:36 | 43:36 | 0 | 1.022 | 234532 | 45846 | 8 | 20 | 5731 | | |
| 429.7606 | 43:36 | 43:36 | 0 | 1.022 | 257061 | 50011 | 6 | 15 | 8335 | 0.91(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:16 | 44:16 | 0 | 1.038 | 222579 | 44474 | 8 | 20 | 5559 | | |
| 429.7606 | 44:16 | 44:16 | 0 | 1.038 | 243468 | 47935 | 6 | 15 | 7989 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:30 | 44:30 | 0 | 1.043 | 235423 | 47969 | 8 | 20 | 5996 | | |
| 429.7606 | 44:30 | 44:30 | 0 | 1.043 | 260276 | 53521 | 6 | 15 | 8920 | 0.90(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:36 | 0 | 1.046 | 229892 | 45262 | 8 | 20 | 5658 | | |
| 429.7606 | 44:36 | 44:36 | 0 | 1.046 | 253171 | 49790 | 6 | 15 | 8298 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:23 | 0 | 1.111 | 320684 | 42812 | 8 | 20 | 5352 | | |
| 429.7606 | 47:23 | 47:23 | 0 | 1.111 | 358989 | 47418 | 6 | 15 | 7903 | 0.89(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:23 | 0 | 1.111 | 320684 | 42812 | 8 | 20 | 5352 | | |
| 429.7606 | 47:23 | 47:23 | 0 | 1.111 | 358989 | 47418 | 6 | 15 | 7903 | 0.89(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:04 | 48:04 | 0 | 0.918 | 170461 | 33487 | 8 | 20 | 4186 | | |
| 429.7606 | 48:04 | 48:04 | 0 | 0.918 | 187305 | 36830 | 6 | 15 | 6138 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:16 | 48:16 | 0 | 0.921 | 184235 | 35078 | 8 | 20 | 4385 | | |
| 429.7606 | 48:16 | 48:16 | 0 | 0.921 | 199619 | 38290 | 6 | 15 | 6382 | 0.92(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:35 | 49:35 | 0 | 0.947 | 287959 | 54542 | 36 | 90 | 1515 | | |
| 429.7606 | 49:35 | 49:35 | 0 | 0.947 | 321075 | 62133 | 201 | 502 | 309 | 0.90(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:56 | 51:56 | 0 | 0.991 | 310567 | 59354 | 36 | 90 | 1649 | | |
| 429.7606 | 51:56 | 51:56 | 0 | 0.991 | 342492 | 66508 | 201 | 502 | 331 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:25 | 52:25 | 0 | 1.000 | 402241 | 76544 | 36 | 90 | 2126 | | |
| 429.7606 | 52:25 | 52:25 | 0 | 1.000 | 437808 | 83447 | 201 | 502 | 415 | 0.92(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:21 | 49:21 | 0 | 0.950 | 593640 | 113473 | 319 | 797 | 356 | | |
| 475.7619 | 49:21 | 49:21 | 0 | 0.950 | 745375 | 143170 | 306 | 765 | 468 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:09 | 54:09 | 0 | 1.043 | 405027 | 77527 | 319 | 797 | 243 | | |
| 475.7619 | 54:08 | 54:09 | -1 | 1.043 | 500690 | 92987 | 306 | 765 | 304 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:22 | 49:22 | 0 | 1.001 | 317804 | 60925 | 180 | 450 | 338 | | |
| 463.7216 | 49:22 | 49:22 | 0 | 1.001 | 404032 | 76860 | 188 | 470 | 409 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:18 | 50:18 | 0 | 1.019 | 331366 | 64000 | 180 | 450 | 356 | | |
| 463.7216 | 50:18 | 50:18 | 0 | 1.019 | 419861 | 82596 | 188 | 470 | 439 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:10 | 54:10 | 0 | 1.000 | 223552 | 43110 | 180 | 450 | 240 | | |
| 463.7216 | 54:10 | 54:10 | 0 | 1.000 | 283784 | 53962 | 188 | 470 | 287 | 0.79(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:48 | 55:48 | 0 | 1.075 | 365555 | 66002 | 23 | 57 | 2870 | | |
| 509.7229 | 55:48 | 55:48 | 0 | 1.075 | 506095 | 90284 | 9 | 22 | 10032 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:49 | 55:49 | 0 | 1.000 | 219498 | 38327 | 5 | 12 | 7665 | | |
| 497.6826 | 55:49 | 55:49 | 0 | 1.000 | 309376 | 55106 | 5 | 12 | 11021 | 0.71(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
CCV Relative RT Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 24-Sep-2019 12:38:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 13:55:33 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0315

First Level Reviewer: layk Date: 24-Sep-2019 13:55:33

Start Cal Date: 21-Aug-2019 13:37:00
End Cal Date: 21-Aug-2019 19:05:00

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-1L | | 11:46 | 11:45 | 0 | 15 | 0.7275 | 0.7284 | 0.717 - 0.7472 |
| PCB-3L | | 13:57 | 13:55 | -2 | 15 | 0.8625 | 0.8622 | 0.849 - 0.8798 |
| PCB-1 | L | 11:47 | 11:46 | 0 | | 1.0011 | 1.0011 | 0.995 - 1.0085 |
| PCB-2 | | 13:47 | 13:45 | -1 | | 0.9878 | 0.9887 | 0.985 - 0.9925 |
| PCB-3 | L | 13:58 | 13:56 | -2 | | 1.0009 | 1.0009 | 0.998 - 1.0048 |
| PCB-4L | | 14:12 | 14:11 | -1 | 15 | 0.8779 | 0.8784 | 0.865 - 0.8956 |
| PCB-9L | | 16:11 | 16:08 | -2 | | 1.0000 | 1.0000 | 0.987 - 1.0128 |
| PCB-8L | | 17:00 | 16:58 | -2 | | 1.1969 | 1.1966 | 1.192 - 1.1989 |
| PCB-15L | | 20:06 | 20:02 | -3 | 15 | 1.2426 | 1.2417 | 1.233 - 1.2530 |
| PCB-4 | L | 14:13 | 14:11 | -1 | | 1.0009 | 1.0009 | 0.994 - 1.0058 |
| PCB-10 | | 14:23 | 14:22 | -1 | | 1.0129 | 1.0129 | 1.010 - 1.0168 |
| PCB-9 | | 16:11 | 16:09 | -2 | | 1.1400 | 1.1394 | 1.135 - 1.1415 |
| PCB-7 | | 16:22 | 16:19 | -2 | | 1.1520 | 1.1514 | 1.147 - 1.1538 |
| PCB-6 | | 16:36 | 16:33 | -2 | | 1.1686 | 1.1680 | 1.164 - 1.1706 |
| PCB-5 | | 16:55 | 16:51 | -3 | | 1.1907 | 1.1892 | 1.186 - 1.1926 |
| PCB-8 | | 17:02 | 16:59 | -2 | | 1.1990 | 1.1985 | 1.194 - 1.2008 |
| PCB-14 | | 18:40 | 18:37 | -3 | | 0.9284 | 0.9288 | 0.926 - 0.9305 |
| PCB-11 | | 19:30 | 19:27 | -3 | | 0.9700 | 0.9706 | 0.968 - 0.9725 |
| PCB-12/13 | | 19:50 | 19:46 | -3 | | 0.9863 | 0.9863 | 0.983 - 0.9875 |
| PCB-15 | L | 20:07 | 20:04 | -3 | | 1.0007 | 1.0013 | 0.997 - 1.0050 |
| PCB-19L | | 17:19 | 17:16 | -3 | 15 | 0.8416 | 0.8412 | 0.831 - 0.8547 |
| PCB-32L | | 20:34 | 20:31 | -3 | | 1.0000 | 1.0000 | 0.998 - 1.0024 |
| PCB-31L | | 22:50 | 22:47 | -3 | | 1.0000 | 1.0000 | 0.998 - 1.0022 |
| PCB-28L | | 23:08 | 23:04 | -4 | | 1.0134 | 1.0128 | 1.006 - 1.0201 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-37L | | 27:09 | 27:04 | -5 | 15 | 1.1889 | 1.1884 | 1.178 - 1.1995 |
| PCB-19 | L | 17:20 | 17:17 | -2 | | 1.0008 | 1.0015 | 0.996 - 1.0058 |
| PCB-18/30 | | 19:11 | 19:08 | -3 | | 1.1081 | 1.1084 | 1.104 - 1.1093 |
| PCB-17 | | 19:37 | 19:34 | -3 | | 1.1330 | 1.1334 | 1.129 - 1.1352 |
| PCB-27 | | 19:50 | 19:46 | -3 | | 1.1458 | 1.1456 | 1.141 - 1.1471 |
| PCB-24 | | 19:58 | 19:54 | -3 | | 1.1534 | 1.1531 | 1.148 - 1.1542 |
| PCB-16 | | 20:04 | 20:01 | -3 | | 1.1594 | 1.1600 | 1.156 - 1.1621 |
| PCB-32 | | 20:36 | 20:33 | -3 | | 1.1897 | 1.1903 | 1.185 - 1.1908 |
| PCB-34 | | 21:52 | 21:48 | -3 | | 1.2627 | *1.2627 | 1.257 - 1.2623 |
| PCB-23 | | 22:01 | 21:57 | -3 | | 1.2715 | 1.2715 | 1.266 - 1.2715 |
| PCB-26/29 | | 22:20 | 22:16 | -3 | | 1.2899 | 1.2900 | 1.282 - 1.2915 |
| PCB-25 | | 22:34 | 22:30 | -3 | | 0.8308 | 0.8311 | 0.829 - 0.8325 |
| PCB-31 | | 22:52 | 22:48 | -3 | | 0.8421 | 0.8424 | 0.840 - 0.8438 |
| PCB-20/28 | | 23:11 | 23:06 | -4 | | 0.8538 | 0.8537 | 0.851 - 0.8568 |
| PCB-21/33 | | 23:24 | 23:20 | -3 | | 0.8617 | 0.8621 | 0.858 - 0.8637 |
| PCB-22 | | 23:48 | 23:44 | -3 | | 0.8763 | 0.8767 | 0.875 - 0.8786 |
| PCB-36 | | 25:22 | 25:17 | -4 | | 0.9339 | 0.9341 | 0.932 - 0.9352 |
| PCB-39 | | 25:43 | 25:38 | -4 | | 0.9470 | 0.9473 | 0.945 - 0.9483 |
| PCB-38 | | 26:18 | 26:13 | -4 | | 0.9686 | 0.9689 | 0.966 - 0.9695 |
| PCB-35 | | 26:46 | 26:41 | -4 | | 0.9855 | 0.9859 | 0.984 - 0.9875 |
| PCB-37 | L | 27:10 | 27:05 | -4 | | 1.0005 | 1.0009 | 0.999 - 1.0024 |
| PCB-54L | | 20:24 | 20:21 | -3 | 15 | 0.8167 | 0.8172 | 0.811 - 0.8247 |
| PCB-52L | | 24:59 | 24:54 | -4 | | 1.0000 | 1.0000 | 0.992 - 1.0083 |
| PCB-79L | | 32:54 | 32:50 | -4 | | 0.9704 | 0.9706 | 0.969 - 0.9718 |
| PCB-81L | | 33:55 | 33:50 | -5 | 15 | 1.3581 | 1.3585 | 1.351 - 1.3641 |
| PCB-77L | | 34:29 | 34:23 | -5 | 15 | 1.3806 | 1.3810 | 1.373 - 1.3867 |
| PCB-54 | L | 20:26 | 20:22 | -3 | | 1.0000 | 1.0000 | 0.996 - 1.0041 |
| PCB-50/53 | | 22:37 | 22:33 | -3 | | 1.1084 | 1.1080 | 1.102 - 1.1106 |
| PCB-45/51 | | 23:20 | 23:16 | -3 | | 1.1440 | 1.1436 | 1.137 - 1.1453 |
| PCB-46 | | 23:34 | 23:31 | -3 | | 1.1552 | 1.1555 | 1.153 - 1.1576 |
| PCB-52 | | 25:00 | 24:56 | -4 | | 1.2257 | 1.2250 | 1.222 - 1.2263 |
| PCB-43/73 | | 25:09 | 25:05 | -3 | | 1.2326 | 1.2325 | 1.230 - 1.2346 |
| PCB-49/69 | | 25:28 | 25:23 | -4 | | 1.2482 | 1.2475 | 1.242 - 1.2499 |
| PCB-48 | | 25:47 | 25:42 | -4 | | 1.2638 | 1.2632 | 1.259 - 1.2636 |
| PCB-44/47/65 | | 26:01 | 25:57 | -4 | | 1.2756 | 1.2750 | 1.269 - 1.2770 |
| PCB-59/62/75 | | 26:19 | 26:14 | -4 | | 1.2900 | 1.2894 | 1.284 - 1.2919 |
| PCB-42 | | 26:32 | 26:27 | -4 | | 1.3006 | 1.3001 | 1.296 - 1.3007 |
| PCB-40/41/71 | | 27:02 | 26:57 | -4 | | 1.3249 | 1.3245 | 1.317 - 1.3250 |
| PCB-64 | | 27:15 | 27:10 | -4 | | 1.3355 | 1.3351 | 1.331 - 1.3355 |
| PCB-72 | | 28:05 | 28:00 | -4 | | 0.8278 | 0.8280 | 0.826 - 0.8291 |
| PCB-68 | | 28:22 | 28:17 | -5 | | 0.8365 | 0.8362 | 0.835 - 0.8375 |
| PCB-57 | | 28:48 | 28:42 | -5 | | 0.8488 | 0.8487 | 0.847 - 0.8500 |
| PCB-58 | | 29:01 | 28:57 | -4 | | 0.8556 | 0.8558 | 0.854 - 0.8574 |
| PCB-67 | | 29:12 | 29:07 | -5 | | 0.8609 | 0.8607 | 0.859 - 0.8620 |
| PCB-63 | | 29:28 | 29:23 | -5 | | 0.8687 | 0.8686 | 0.866 - 0.8694 |
| PCB-61/70/74/76 | | 29:48 | 29:43 | -5 | | 0.8785 | 0.8784 | 0.875 - 0.8810 |

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-66 | | 30:07 | 30:03 | -4 | | 0.8879 | 0.8882 | 0.886 - 0.8894 |
| PCB-55 | | 30:17 | 30:12 | -5 | | 0.8927 | 0.8927 | 0.891 - 0.8943 |
| PCB-56 | | 30:47 | 30:42 | -5 | | 0.9077 | 0.9078 | 0.907 - 0.9098 |
| PCB-60 | | 31:00 | 30:55 | -5 | | 0.9141 | 0.9142 | 0.913 - 0.9158 |
| PCB-80 | | 31:26 | 31:21 | -5 | | 0.9265 | 0.9266 | 0.924 - 0.9268 |
| PCB-79 | | 32:57 | 32:51 | -5 | | 0.9715 | 0.9714 | 0.970 - 0.9726 |
| PCB-78 | | 33:30 | 33:25 | -4 | | 0.9876 | 0.9880 | 0.986 - 0.9890 |
| PCB-81 | T | 33:57 | 33:51 | -5 | | 1.0007 | 1.0008 | 0.999 - 1.0020 |
| PCB-77 | T/L | 34:30 | 34:25 | -5 | | 1.0007 | 1.0007 | 0.999 - 1.0019 |
| PCB-104L | | 25:56 | 25:51 | -4 | 15 | 0.8139 | 0.8140 | 0.810 - 0.8199 |
| PCB-95L | | 28:53 | 28:49 | -3 | | 1.1143 | 1.1148 | 1.112 - 1.1179 |
| PCB-101L | | 31:52 | 31:46 | -5 | | 1.0000 | 1.0000 | 0.994 - 1.0065 |
| PCB-111L | | 34:32 | 34:27 | -5 | | 1.0847 | 1.0846 | 1.079 - 1.0891 |
| PCB-123L | | 36:30 | 36:25 | -5 | 15 | 1.1459 | 1.1465 | 1.141 - 1.1511 |
| PCB-118L | | 36:50 | 36:44 | -5 | 15 | 1.1562 | 1.1567 | 1.151 - 1.1614 |
| PCB-114L | | 37:21 | 37:16 | -5 | 15 | 1.1726 | 1.1732 | 1.168 - 1.1780 |
| PCB-105L | | 38:00 | 37:54 | -5 | 15 | 1.1927 | 1.1934 | 1.188 - 1.1989 |
| PCB-127L | | 39:29 | 39:23 | -6 | | 1.0000 | 1.0000 | 0.995 - 1.0053 |
| PCB-126L | | 41:06 | 41:00 | -6 | 15 | 1.2900 | 1.2907 | 1.285 - 1.2956 |
| PCB-104 | L | 25:57 | 25:53 | -4 | | 1.0010 | 1.0010 | 0.998 - 1.0039 |
| PCB-96 | | 26:19 | 26:14 | -4 | | 1.0147 | 1.0148 | 1.013 - 1.0195 |
| PCB-103 | | 28:16 | 28:11 | -5 | | 1.0903 | 1.0901 | 1.087 - 1.0912 |
| PCB-94 | | 28:29 | 28:24 | -5 | | 1.0986 | 1.0985 | 1.097 - 1.1003 |
| PCB-95 | | 28:55 | 28:51 | -4 | | 1.1153 | 1.1157 | 1.113 - 1.1193 |
| PCB-93/100 | | 29:09 | 29:05 | -4 | | 1.1242 | 1.1246 | 1.120 - 1.1267 |
| PCB-98/102 | | 29:18 | 29:13 | -5 | | 1.1300 | 1.1300 | 1.127 - 1.1336 |
| PCB-88/91 | | 29:48 | 29:43 | -5 | | 1.1492 | 1.1492 | 1.143 - 1.1505 |
| PCB-84 | | 30:00 | 29:56 | -4 | | 1.1570 | 1.1576 | 1.157 - 1.1603 |
| PCB-89 | | 30:29 | 30:25 | -4 | | 1.1757 | 1.1763 | 1.175 - 1.1786 |
| PCB-121 | | 30:55 | 30:50 | -5 | | 1.1924 | *1.1926 | 1.188 - 1.1922 |
| PCB-92 | | 31:17 | 31:12 | -5 | | 0.8570 | 0.8569 | 0.856 - 0.8589 |
| PCB-90/101/113 | | 31:52 | 31:47 | -5 | | 1.2292 | 1.2290 | 1.224 - 1.2307 |
| PCB-83/99 | | 32:27 | 32:22 | -5 | | 1.2517 | 1.2522 | 1.245 - 1.2525 |
| PCB-112 | | 32:34 | 32:29 | -5 | | 1.2561 | 1.2566 | 1.254 - 1.2574 |
| PCB-86/87/97/109/119/125 | | 32:57 | 32:51 | -5 | | 1.2709 | 1.2709 | 1.265 - 1.2756 |
| PCB-85/116/117 | | 33:41 | 33:36 | -4 | | 1.2988 | 1.2995 | 1.293 - 1.3007 |
| PCB-110/115 | | 33:56 | 33:50 | -5 | | 1.3086 | 1.3088 | 1.303 - 1.3092 |
| PCB-82 | | 34:10 | 34:05 | -4 | | 1.3175 | 1.3182 | 1.316 - 1.3194 |
| PCB-111 | | 34:34 | 34:28 | -5 | | 1.3332 | *1.3334 | 1.329 - 1.3330 |
| PCB-120 | | 35:02 | 34:56 | -5 | | 1.3508 | 1.3512 | 1.348 - 1.3514 |
| PCB-108/124 | | 36:10 | 36:04 | -5 | | 1.3948 | 1.3953 | 1.390 - 1.3967 |
| PCB-107 | | 36:25 | 36:18 | -6 | | 1.4044 | 1.4044 | 1.401 - 1.4049 |
| PCB-123 | T | 36:32 | 36:26 | -6 | | 1.0007 | 1.0004 | 1.000 - 1.0023 |
| PCB-106 | | 36:38 | 36:33 | -5 | | 1.0036 | 1.0036 | 1.003 - 1.0057 |
| PCB-118 | T | 36:51 | 36:45 | -5 | | 1.0004 | 1.0004 | 0.999 - 1.0019 |
| PCB-122 | | 37:12 | 37:06 | -5 | | 1.0099 | 1.0100 | 1.009 - 1.0117 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-114 | T | 37:23 | 37:17 | -6 | | 1.0007 | 1.0003 | 0.999 - 1.0018 |
| PCB-105 | T | 38:01 | 37:56 | -5 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-127 | | 39:31 | 39:25 | -6 | | 1.0399 | 1.0397 | 1.037 - 1.0399 |
| PCB-126 | T/L | 41:07 | 41:01 | -5 | | 1.0003 | 1.0006 | 1.000 - 1.0016 |
| PCB-155L | | 31:39 | 31:33 | -5 | 15 | 0.7919 | 0.7915 | 0.787 - 0.7951 |
| PCB-153L | | 38:42 | 38:37 | -4 | | 0.9008 | 0.9008 | 0.899 - 0.9028 |
| PCB-138L | | 39:58 | 39:51 | -6 | | 1.0000 | 1.0000 | 0.979 - 1.0208 |
| PCB-167L | | 42:59 | 42:53 | -6 | 15 | 1.0756 | 1.0758 | 1.071 - 1.0792 |
| PCB-156L/157L | | 44:08 | 44:02 | -6 | 15 | 1.1043 | 1.1047 | 1.100 - 1.1084 |
| PCB-169L | | 47:21 | 47:15 | -5 | 15 | 1.1851 | 1.1858 | 1.184 - 1.1864 |
| PCB-155 | L | 31:39 | 31:34 | -5 | | 1.0004 | 1.0008 | 0.998 - 1.0031 |
| PCB-152 | | 31:51 | 31:45 | -5 | | 1.0064 | 1.0065 | 1.006 - 1.0096 |
| PCB-150 | | 32:01 | 31:56 | -5 | | 1.0117 | 1.0121 | 1.011 - 1.0144 |
| PCB-136 | | 32:22 | 32:16 | -5 | | 1.0229 | *1.0230 | 1.024 - 1.0268 |
| PCB-145 | | 32:40 | 32:35 | -5 | | 1.0326 | 1.0327 | 1.033 - 1.0358 |
| PCB-148 | | 34:12 | 34:06 | -5 | | 1.0808 | 1.0811 | 1.080 - 1.0830 |
| PCB-135/151 | | 34:46 | 34:41 | -5 | | 1.0989 | 1.0993 | 1.099 - 1.1038 |
| PCB-154 | | 35:03 | 34:57 | -5 | | 1.1078 | 1.1082 | 1.106 - 1.1107 |
| PCB-144 | | 35:21 | 35:15 | -5 | | 1.1170 | 1.1175 | 1.117 - 1.1199 |
| PCB-147/149 | | 35:43 | 35:37 | -5 | | 1.1286 | 1.1290 | 1.127 - 1.1326 |
| PCB-134/143 | | 36:01 | 35:55 | -5 | | 1.1381 | 1.1386 | 1.136 - 1.1409 |
| PCB-139/140 | | 36:19 | 36:13 | -5 | | 1.1476 | 1.1481 | 1.146 - 1.1515 |
| PCB-131 | | 36:30 | 36:25 | -5 | | 1.1538 | 1.1543 | 1.154 - 1.1571 |
| PCB-142 | | 36:40 | 36:34 | -5 | | 1.1587 | 1.1593 | 1.159 - 1.1621 |
| PCB-132 | | 36:58 | 36:52 | -5 | | 1.1682 | 1.1688 | 1.168 - 1.1728 |
| PCB-133 | | 37:29 | 37:23 | -5 | | 1.1843 | 1.1850 | 1.184 - 1.1872 |
| PCB-165 | | 37:53 | 37:47 | -5 | | 0.8814 | 0.8813 | 0.880 - 0.8825 |
| PCB-146 | | 38:08 | 38:02 | -5 | | 0.8872 | 0.8871 | 0.886 - 0.8882 |
| PCB-161 | | 38:16 | 38:10 | -5 | | 0.8902 | 0.8901 | 0.889 - 0.8914 |
| PCB-153/168 | | 38:47 | 38:41 | -6 | | 0.9024 | 0.9020 | 0.900 - 0.9040 |
| PCB-141 | | 38:56 | 38:50 | -6 | | 0.9060 | 0.9057 | 0.905 - 0.9075 |
| PCB-130 | | 39:21 | 39:14 | -6 | | 0.9154 | 0.9152 | 0.915 - 0.9172 |
| PCB-137 | | 39:34 | 39:28 | -6 | | 0.9206 | 0.9204 | 0.920 - 0.9224 |
| PCB-164 | | 39:41 | 39:35 | -6 | | 0.9233 | 0.9231 | 0.923 - 0.9252 |
| PCB-129/138/160/163 | | 40:00 | 39:54 | -5 | | 0.9307 | 0.9307 | 0.930 - 0.9349 |
| PCB-158 | | 40:23 | 40:17 | -5 | | 0.9395 | 0.9396 | 0.939 - 0.9409 |
| PCB-128/166 | | 41:14 | 41:07 | -6 | | 0.9592 | 0.9591 | 0.958 - 0.9617 |
| PCB-159 | | 42:14 | 42:08 | -6 | | 0.9827 | 0.9826 | 0.982 - 0.9839 |
| PCB-162 | | 42:31 | 42:25 | -6 | | 0.9894 | 0.9893 | 0.988 - 0.9907 |
| PCB-167 | T | 43:00 | 42:54 | -6 | | 1.0006 | 1.0006 | 0.999 - 1.0016 |
| PCB-156/157 | T | 44:08 | 44:02 | -6 | | 1.0003 | 1.0003 | 0.999 - 1.0025 |
| PCB-169 | T/L | 47:23 | 47:17 | -5 | | 1.0006 | 1.0006 | 0.999 - 1.0015 |
| PCB-188L | | 37:22 | 37:17 | -5 | 15 | 0.8208 | 0.8206 | 0.817 - 0.8243 |
| PCB-178L | | 40:24 | 40:19 | -4 | | 0.8877 | 0.8877 | 0.884 - 0.8916 |
| PCB-180L | | 45:32 | 45:26 | -6 | | 1.0000 | 1.0000 | 0.996 - 1.0037 |
| PCB-170L | | 46:47 | 46:41 | -5 | 15 | 1.0276 | 1.0276 | 1.024 - 1.0317 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-189L | | 49:54 | 49:48 | -6 | 15 | 1.0962 | 1.0963 | 1.093 - 1.1000 |
| PCB-188 | L | 37:24 | 37:18 | -5 | | 1.0007 | 1.0007 | 1.000 - 1.0022 |
| PCB-179 | | 37:43 | 37:38 | -5 | | 1.0094 | 1.0095 | 1.009 - 1.0115 |
| PCB-184 | | 38:16 | 38:10 | -5 | | 1.0238 | 1.0239 | 1.023 - 1.0254 |
| PCB-176 | | 38:37 | 38:30 | -6 | | 1.0332 | 1.0330 | 1.033 - 1.0351 |
| PCB-186 | | 39:04 | 38:58 | -6 | | 1.0455 | 1.0453 | 1.045 - 1.0476 |
| PCB-178 | | 40:27 | 40:21 | -5 | | 1.0822 | 1.0825 | 1.081 - 1.0837 |
| PCB-175 | | 41:05 | 41:00 | -5 | | 1.0994 | 1.0997 | 1.098 - 1.1008 |
| PCB-187 | | 41:21 | 41:15 | -6 | | 1.1067 | 1.1067 | 1.106 - 1.1082 |
| PCB-182 | | 41:34 | 41:28 | -6 | | 1.1123 | 1.1123 | 1.111 - 1.1137 |
| PCB-183/185 | | 41:58 | 41:52 | -6 | | 1.1231 | *1.1232 | 1.123 - 1.1260 |
| PCB-174 | | 42:12 | 42:06 | -6 | | 1.1294 | 1.1295 | 1.129 - 1.1313 |
| PCB-177 | | 42:38 | 42:33 | -5 | | 1.1410 | 1.1415 | 1.140 - 1.1430 |
| PCB-181 | | 43:02 | 42:56 | -5 | | 1.1515 | 1.1520 | 1.151 - 1.1535 |
| PCB-171/173 | | 43:15 | 43:10 | -5 | | 1.1574 | 1.1580 | 1.156 - 1.1602 |
| PCB-172 | | 44:54 | 44:48 | -6 | | 0.8997 | 0.8995 | 0.899 - 0.9008 |
| PCB-192 | | 45:10 | 45:04 | -6 | | 0.9052 | 0.9050 | 0.904 - 0.9060 |
| PCB-180/193 | | 45:30 | 45:25 | -5 | | 0.9117 | 0.9119 | 0.911 - 0.9130 |
| PCB-191 | | 45:54 | 45:48 | -6 | | 0.9198 | 0.9198 | 0.919 - 0.9209 |
| PCB-170 | | 46:48 | 46:42 | -6 | | 0.9379 | 0.9376 | 0.937 - 0.9392 |
| PCB-190 | | 47:20 | 47:14 | -5 | | 0.9484 | 0.9484 | 0.948 - 0.9496 |
| PCB-189 | T/L | 49:55 | 49:49 | -6 | | 1.0003 | 1.0003 | 0.999 - 1.0013 |
| PCB-202L | | 42:45 | 42:39 | -5 | 15 | 0.8215 | 0.8216 | 0.819 - 0.8249 |
| PCB-194L | | 52:02 | 51:55 | -6 | | 1.0000 | 1.0000 | 0.996 - 1.0040 |
| PCB-205L | | 52:29 | 52:23 | -6 | 15 | 1.0088 | 1.0091 | 1.004 - 1.0138 |
| PCB-202 | L | 42:46 | 42:40 | -6 | | 1.0006 | 1.0003 | 0.999 - 1.0027 |
| PCB-201 | | 43:42 | 43:36 | -6 | | 1.0223 | 1.0221 | 1.020 - 1.0237 |
| PCB-204 | | 44:23 | 44:16 | -6 | | 1.0382 | 1.0380 | 1.036 - 1.0388 |
| PCB-197 | | 44:36 | 44:30 | -6 | | 1.0434 | 1.0433 | 1.042 - 1.0445 |
| PCB-200 | | 44:42 | 44:36 | -6 | | 1.0459 | 1.0457 | 1.045 - 1.0473 |
| PCB-198/199 | | 47:30 | 47:23 | -6 | | 1.1113 | 1.1110 | 1.109 - 1.1132 |
| PCB-196 | | 48:11 | 48:04 | -6 | | 0.9179 | 0.9176 | 0.917 - 0.9189 |
| PCB-203 | | 48:22 | 48:16 | -6 | | 0.9217 | 0.9214 | 0.921 - 0.9226 |
| PCB-195 | | 49:41 | 49:35 | -6 | | 0.9467 | 0.9466 | 0.946 - 0.9481 |
| PCB-194 | | 52:02 | 51:56 | -6 | | 0.9915 | 0.9915 | 0.991 - 0.9926 |
| PCB-205 | L | 52:31 | 52:25 | -6 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-208L | | 49:26 | 49:21 | -5 | 15 | 0.9501 | 0.9505 | 0.947 - 0.9534 |
| PCB-206L | | 54:15 | 54:09 | -6 | 15 | 1.0428 | 1.0431 | 1.038 - 1.0472 |
| PCB-208 | L | 49:28 | 49:22 | -5 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-207 | | 50:24 | 50:18 | -6 | | 1.0196 | 1.0194 | 1.019 - 1.0205 |
| PCB-206 | L | 54:17 | 54:10 | -6 | | 1.0005 | 1.0002 | 1.000 - 1.0015 |
| PCB-209L | | 55:54 | 55:48 | -6 | 15 | 1.0746 | 1.0748 | 1.069 - 1.0784 |
| DCB Decachlorobiphenyl | L | 55:56 | 55:49 | -6 | | 1.0005 | 1.0005 | 0.999 - 1.0012 |

Eurofins TestAmerica, Knoxville

| | | | |
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| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
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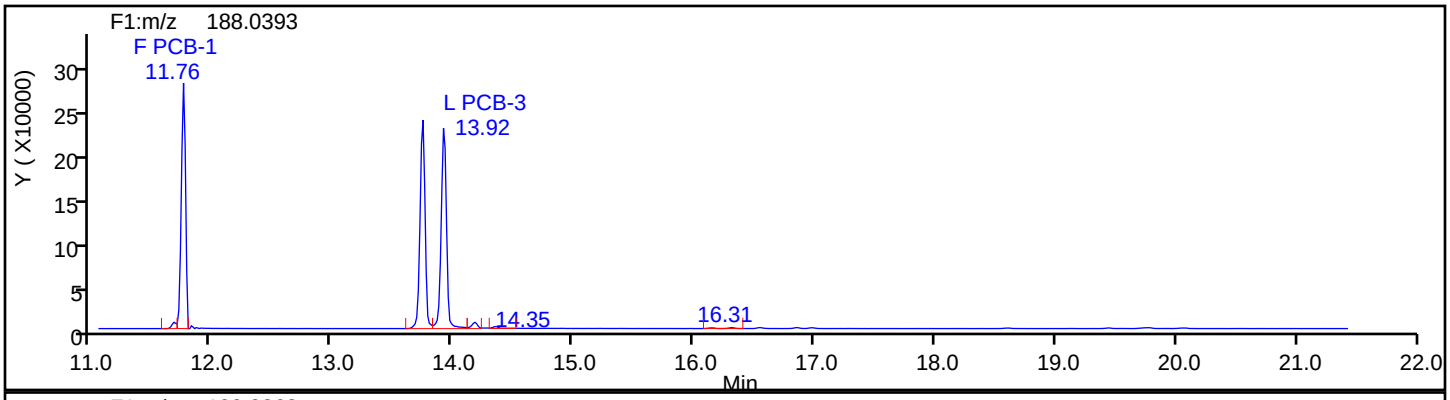
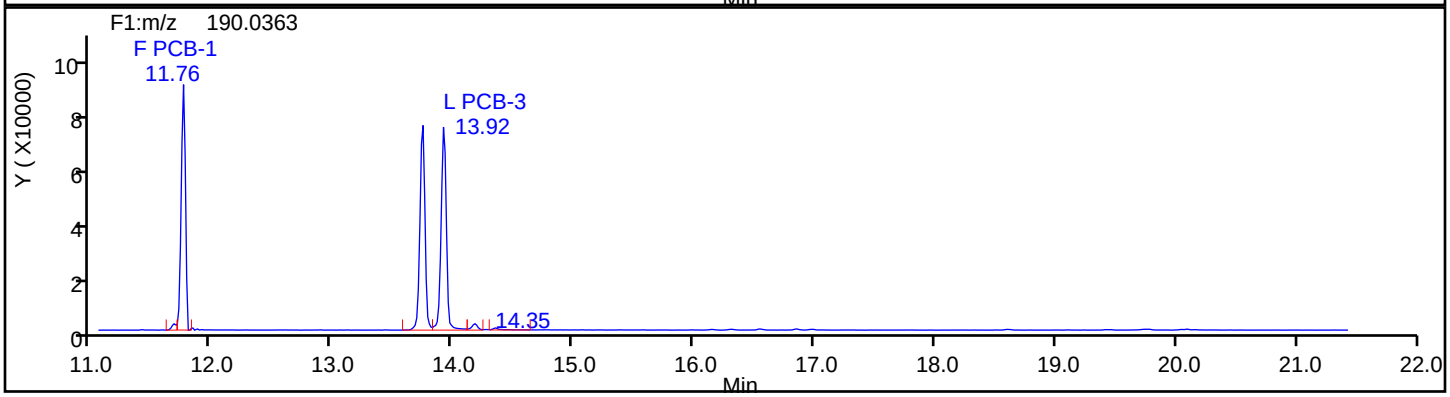
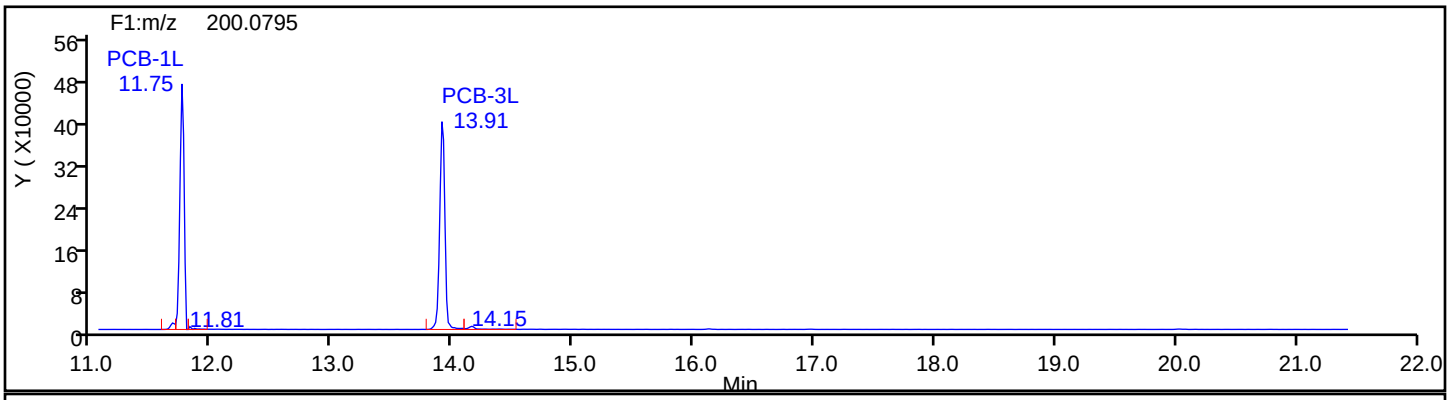
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

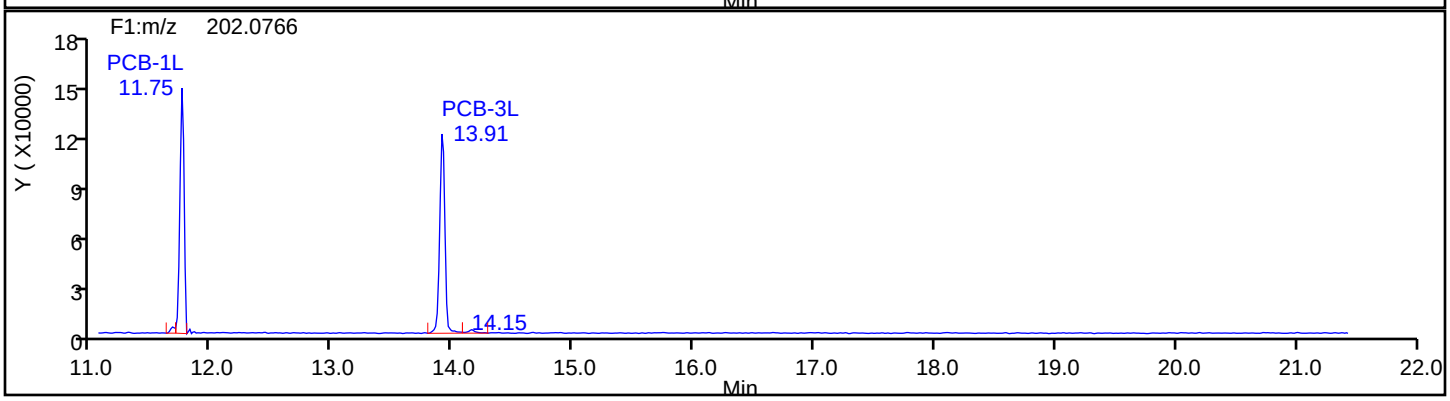
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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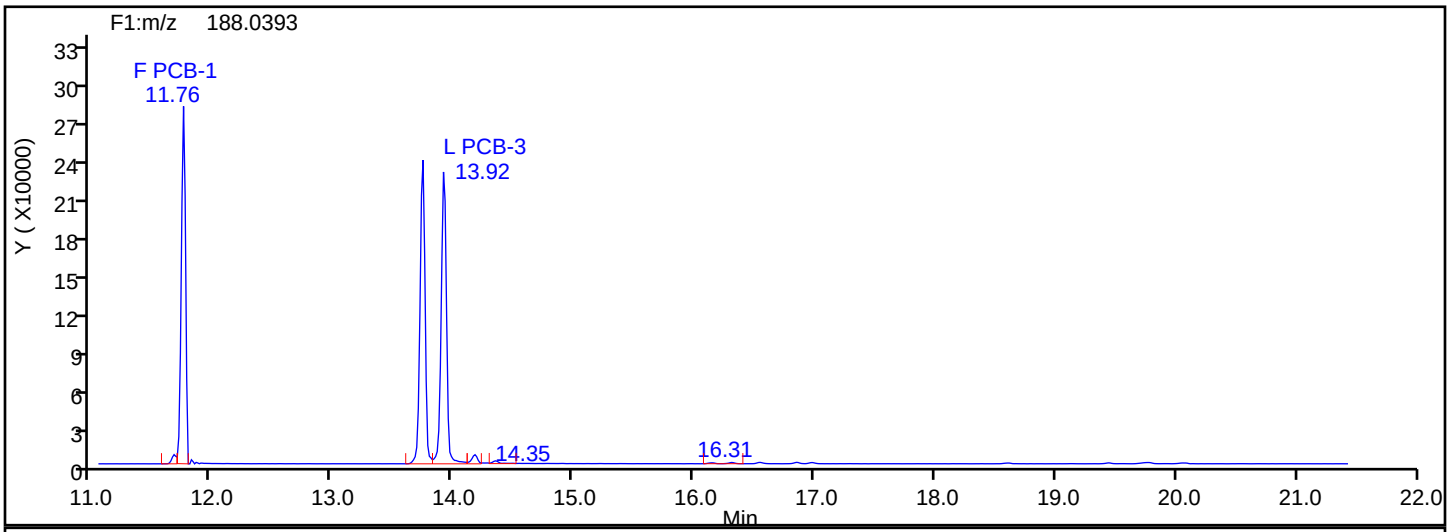
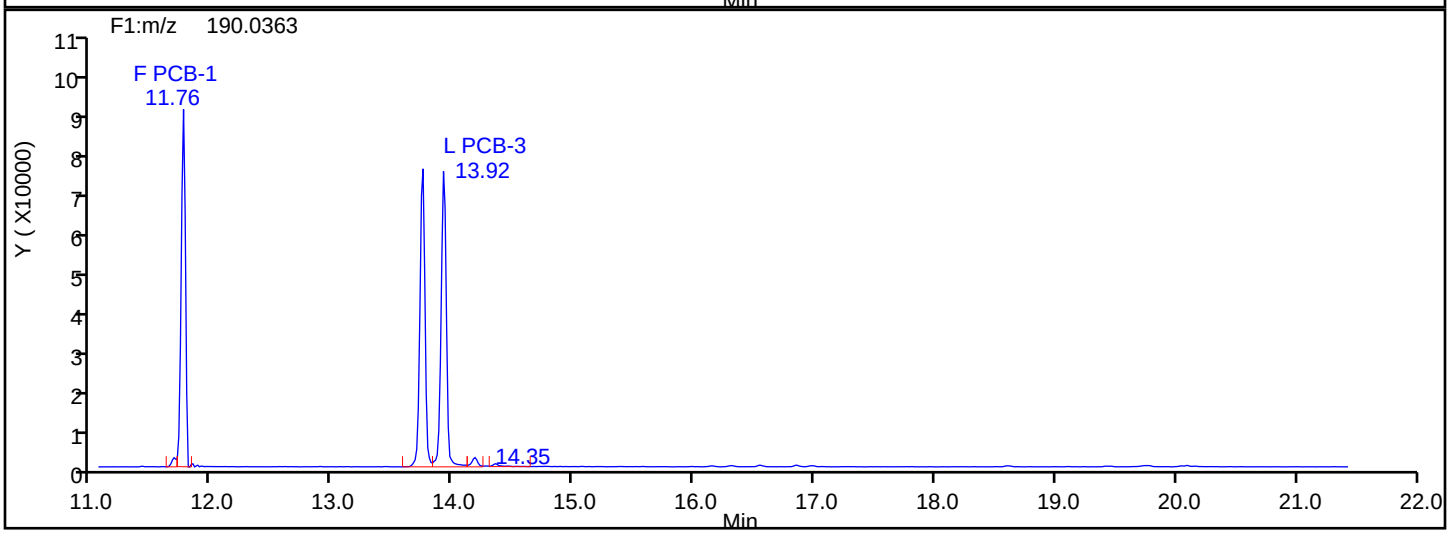
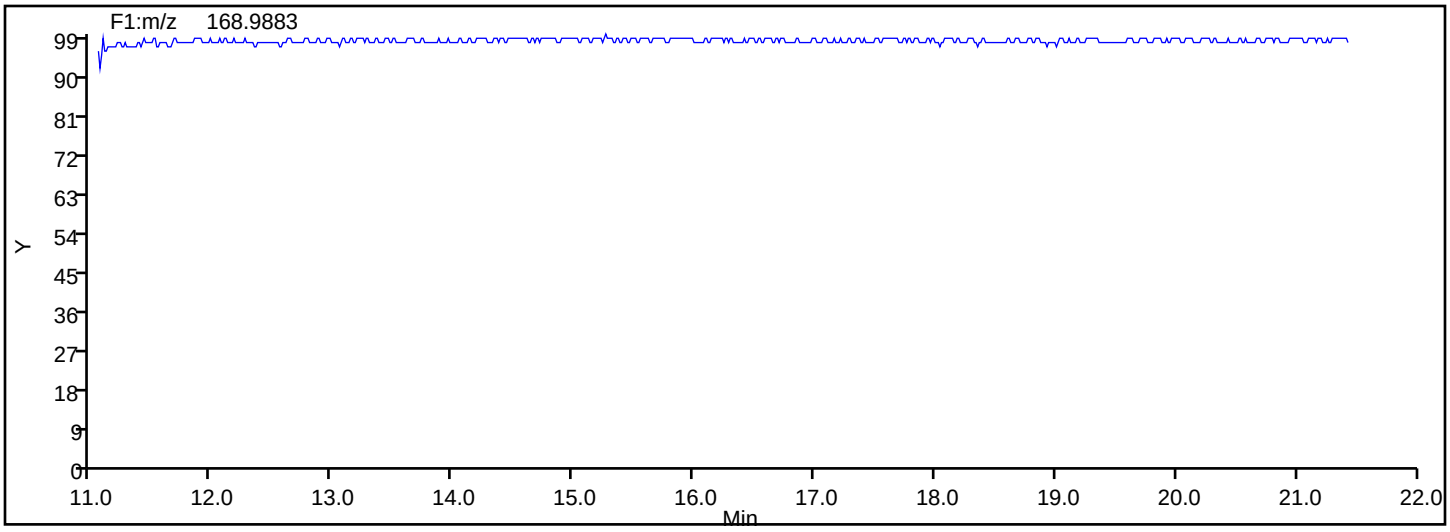
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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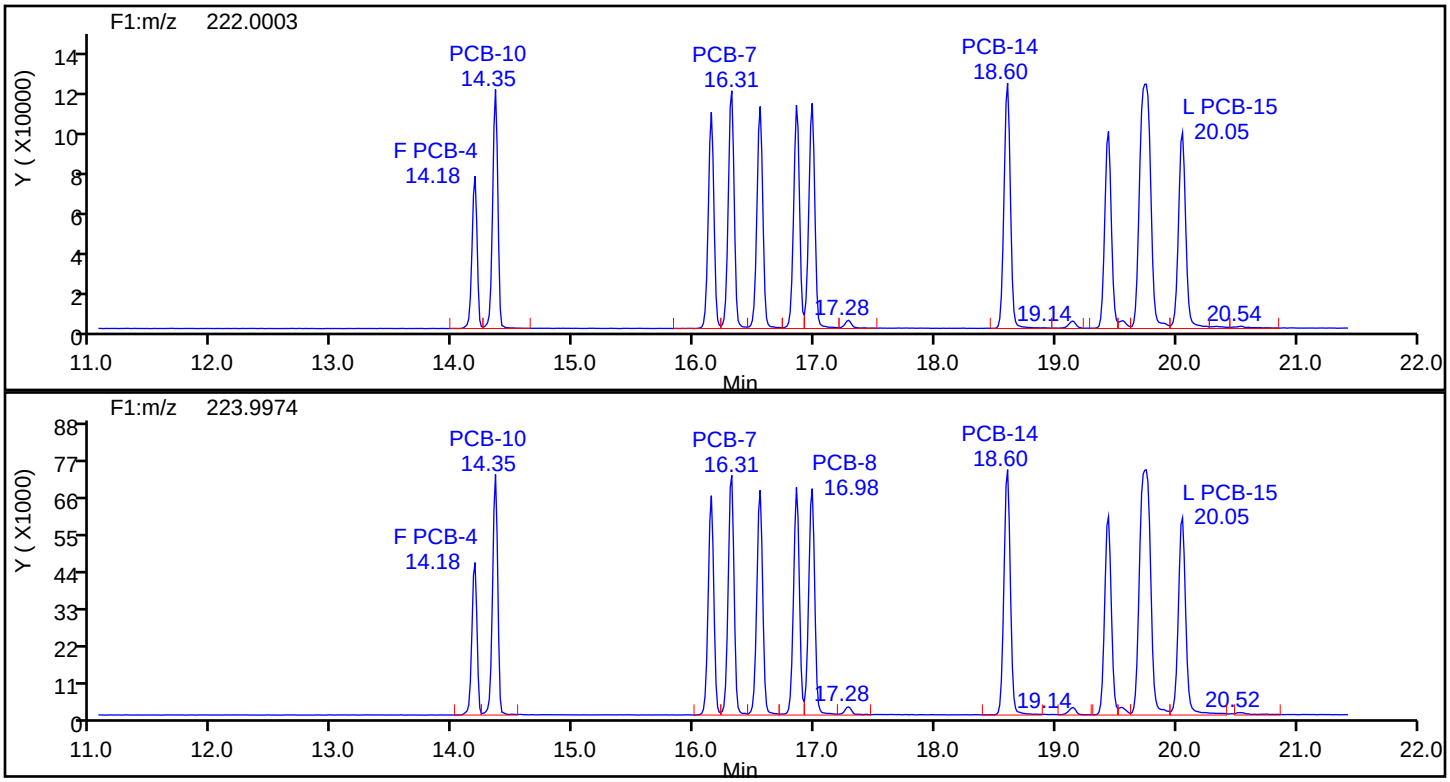
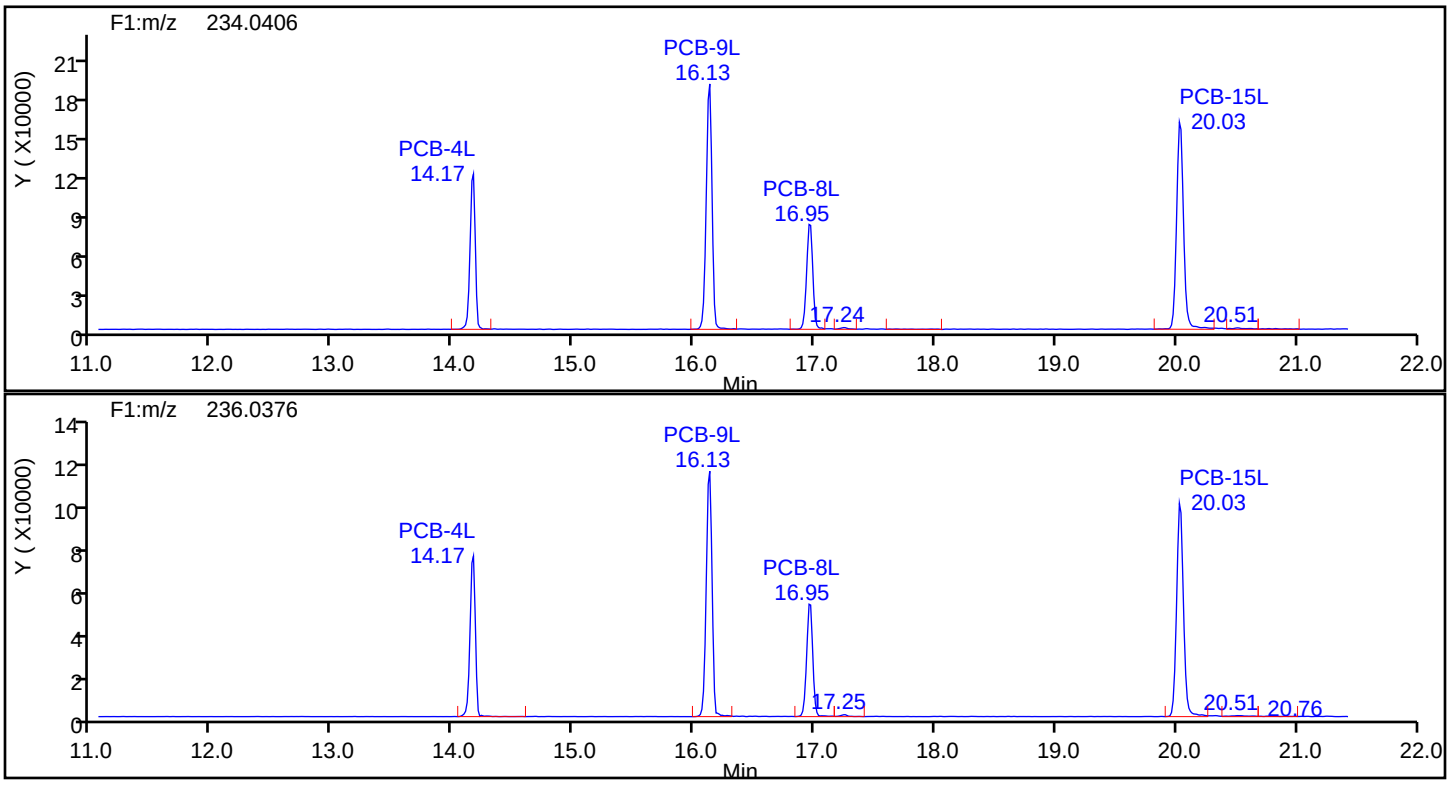
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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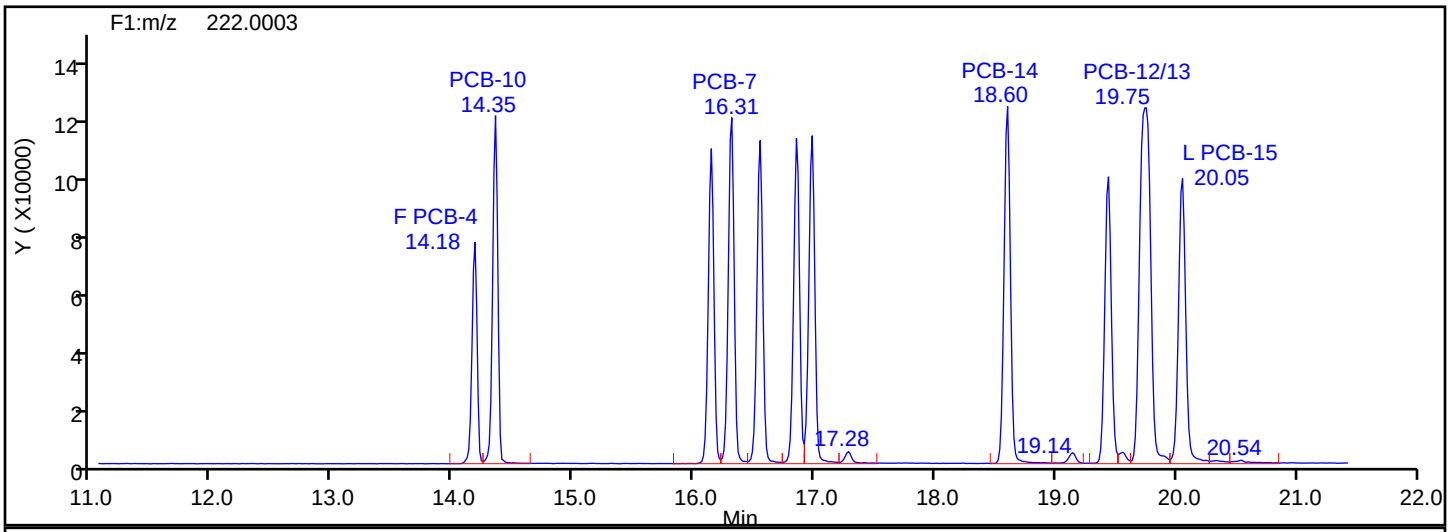
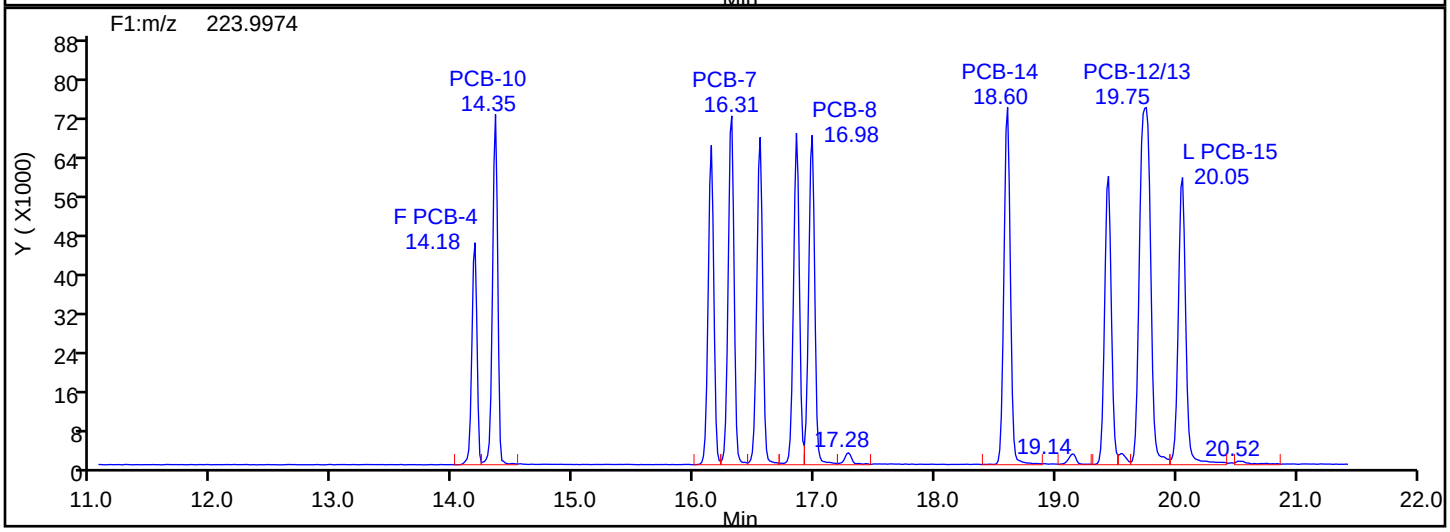
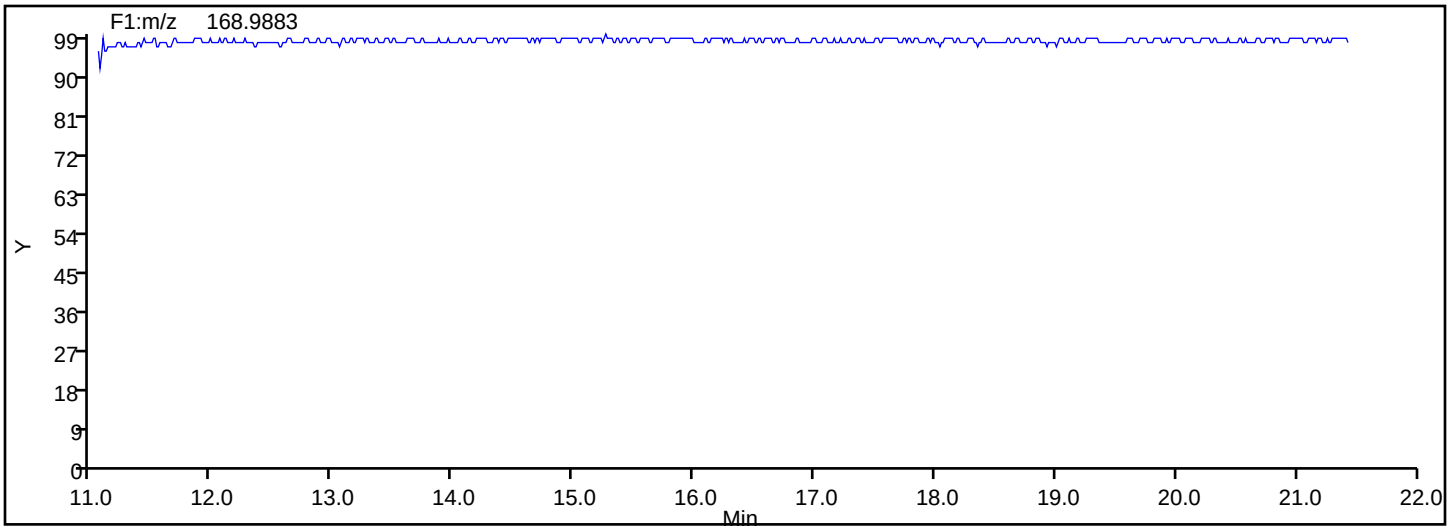
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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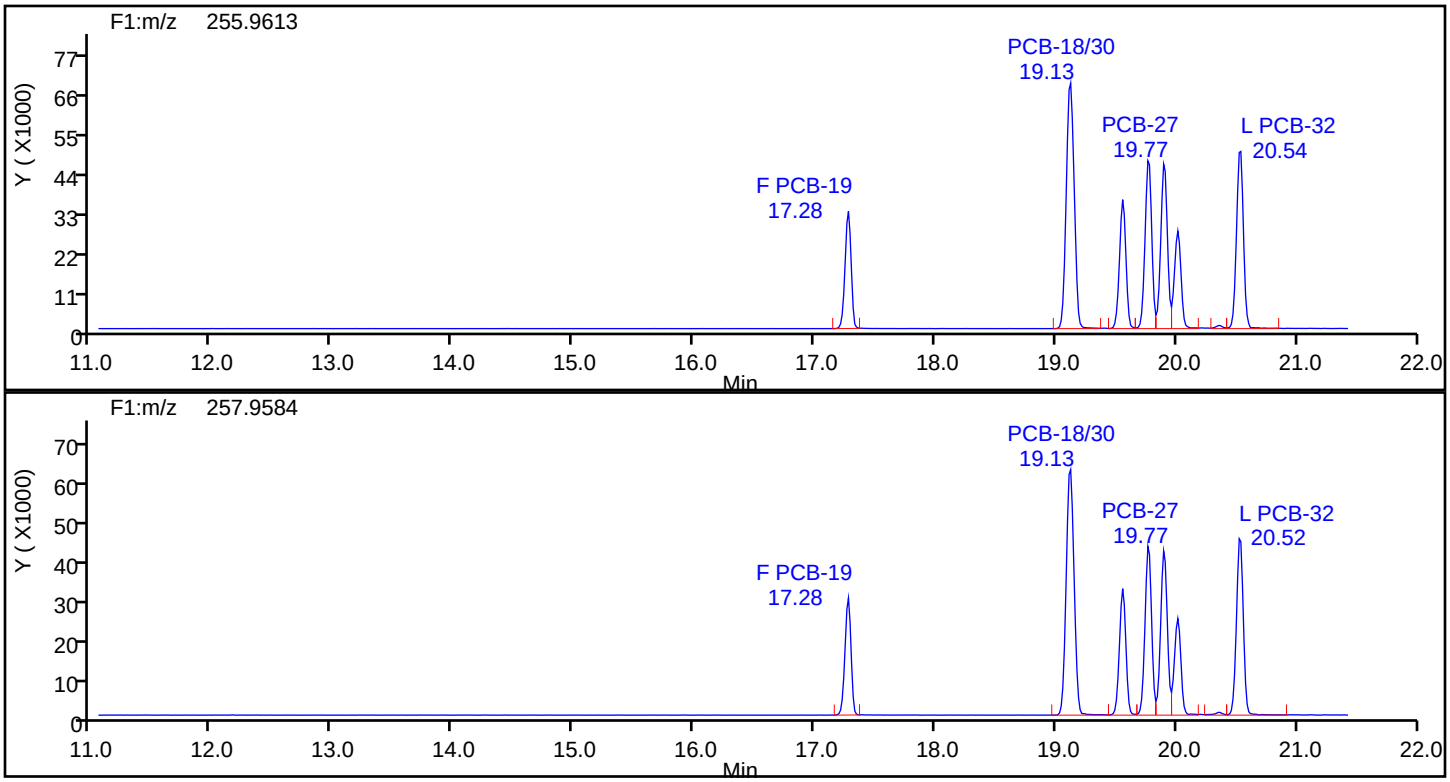
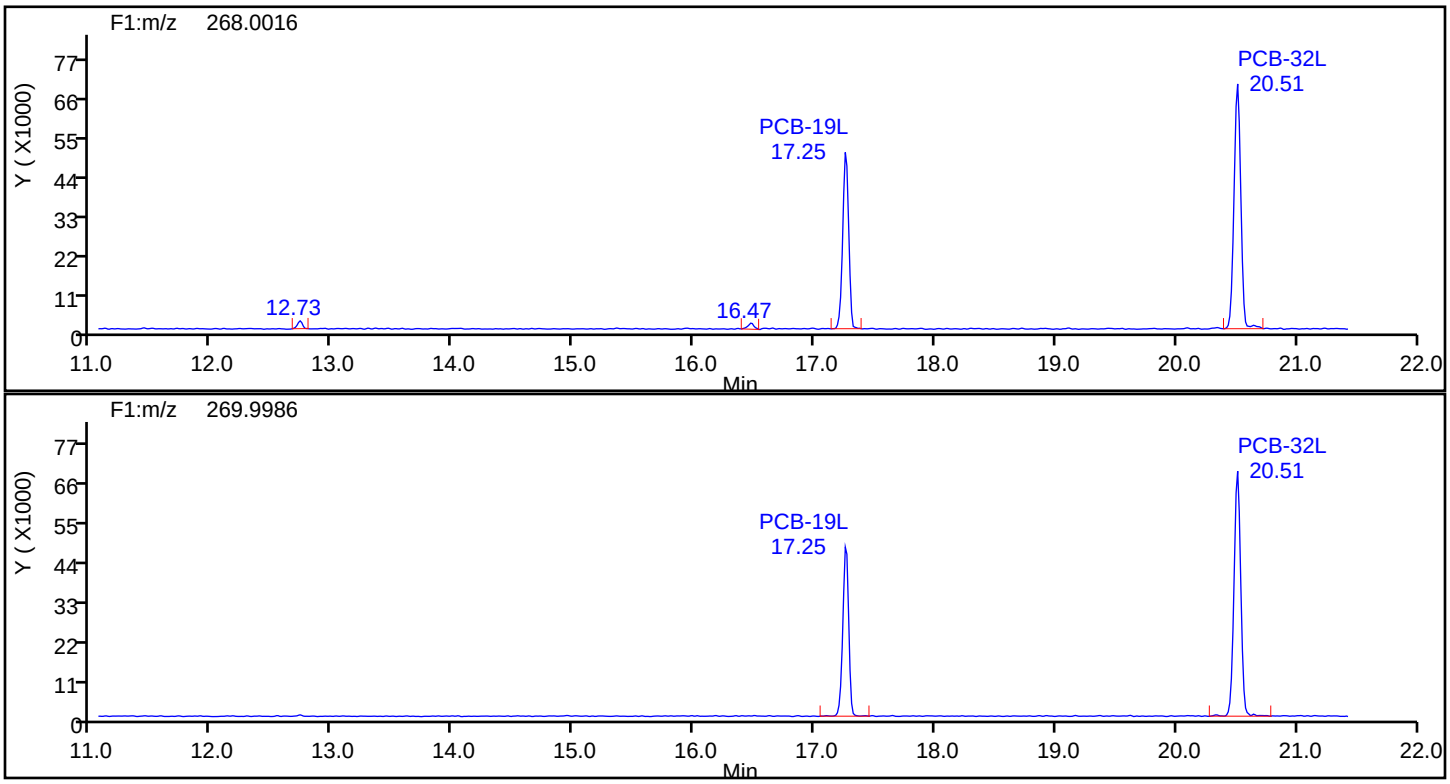
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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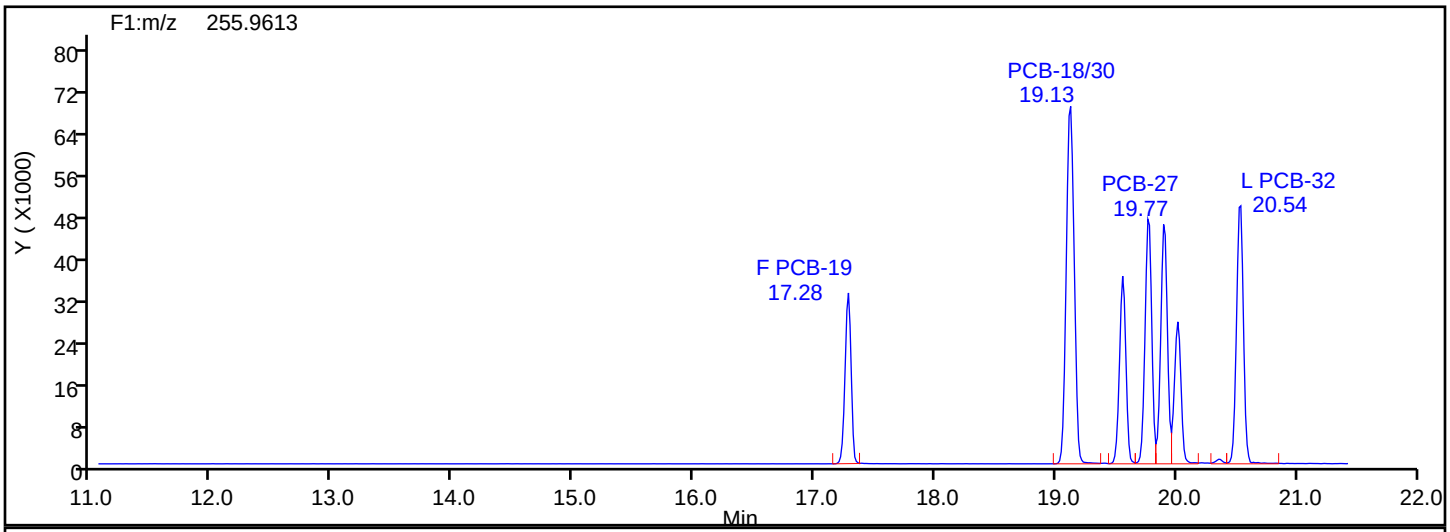
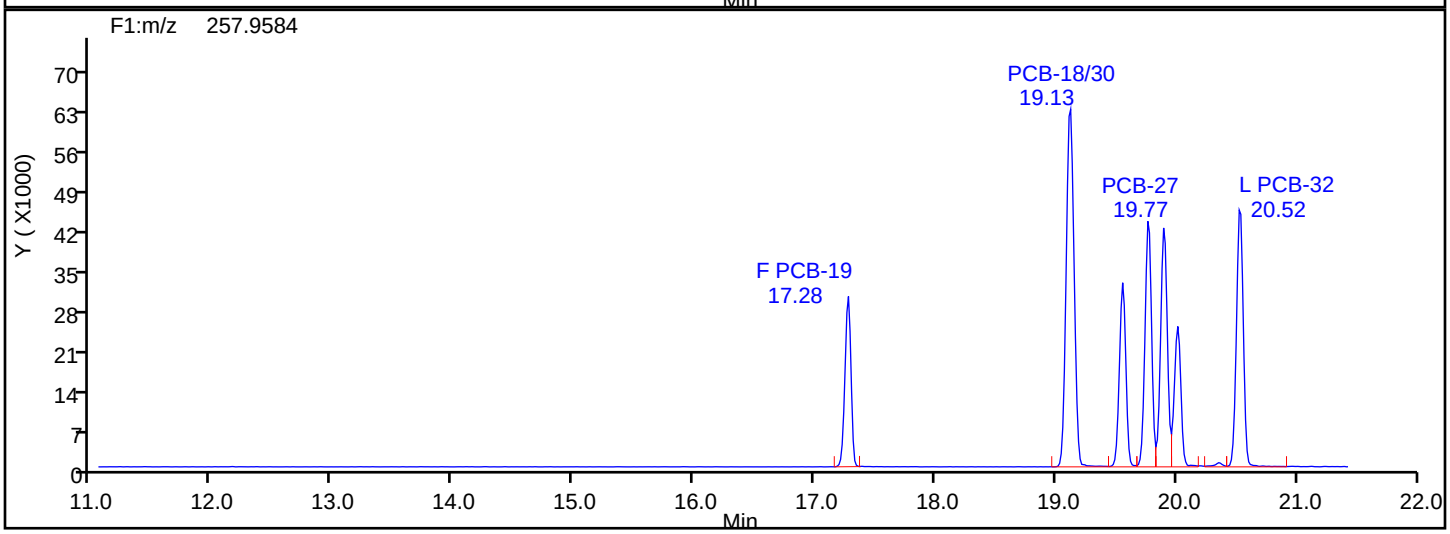
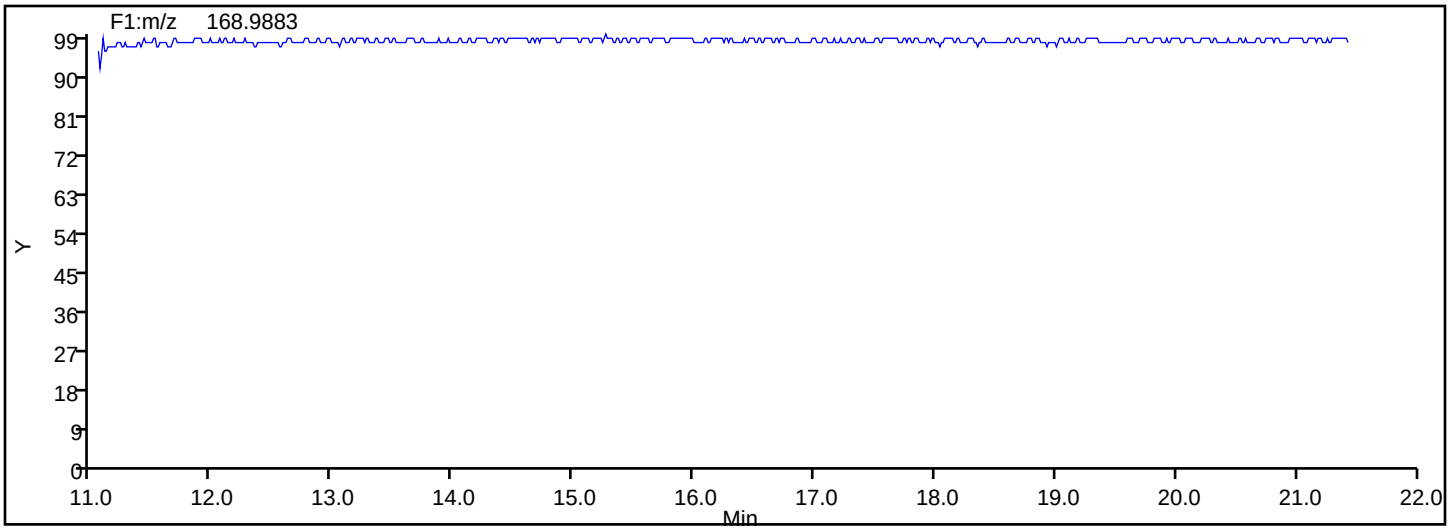
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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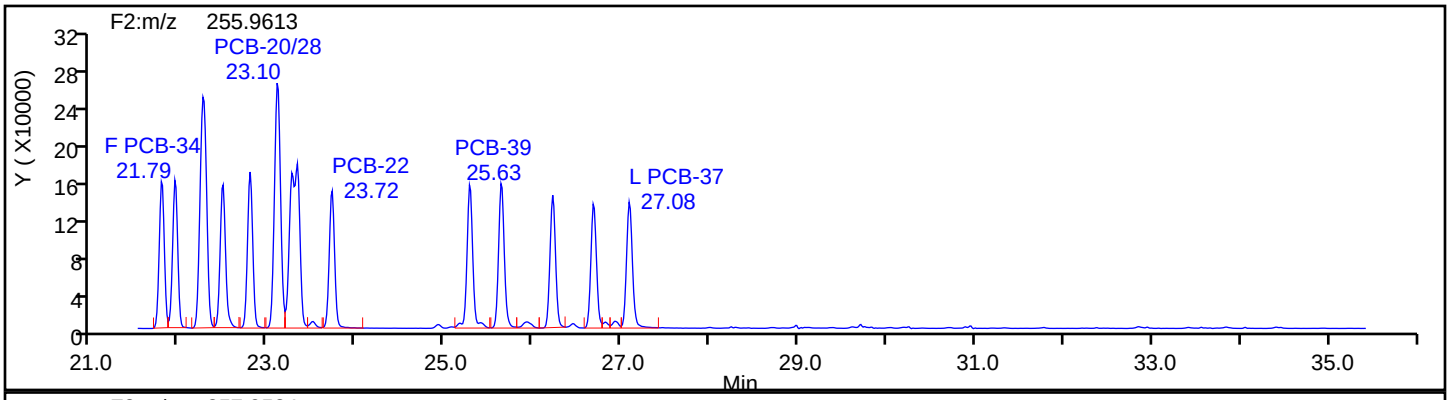
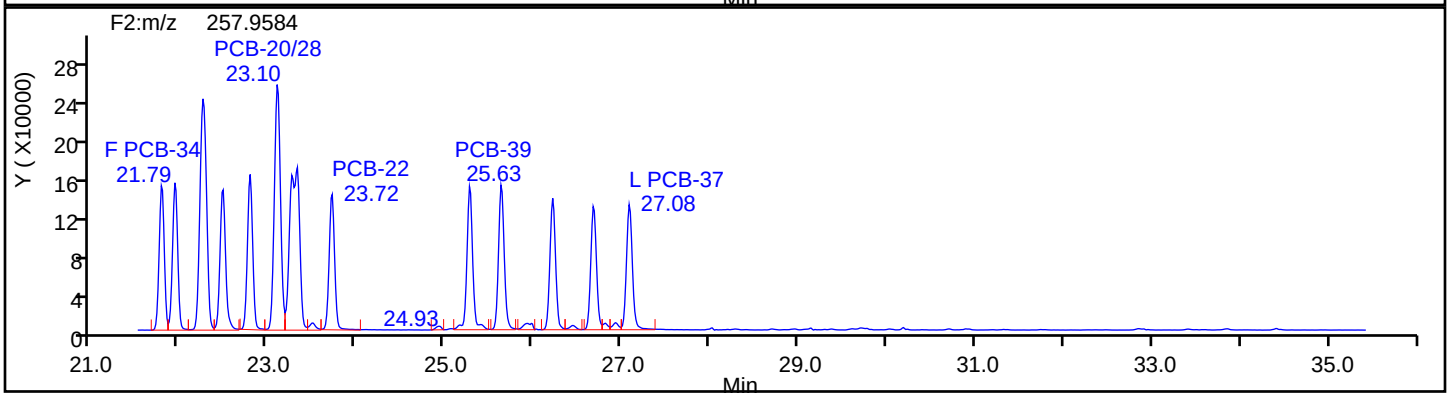
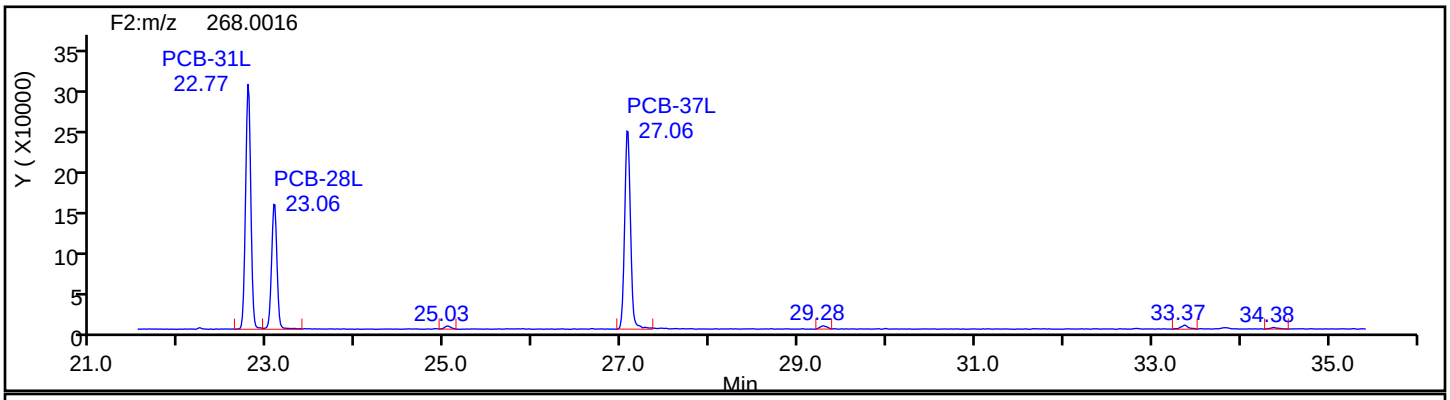
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

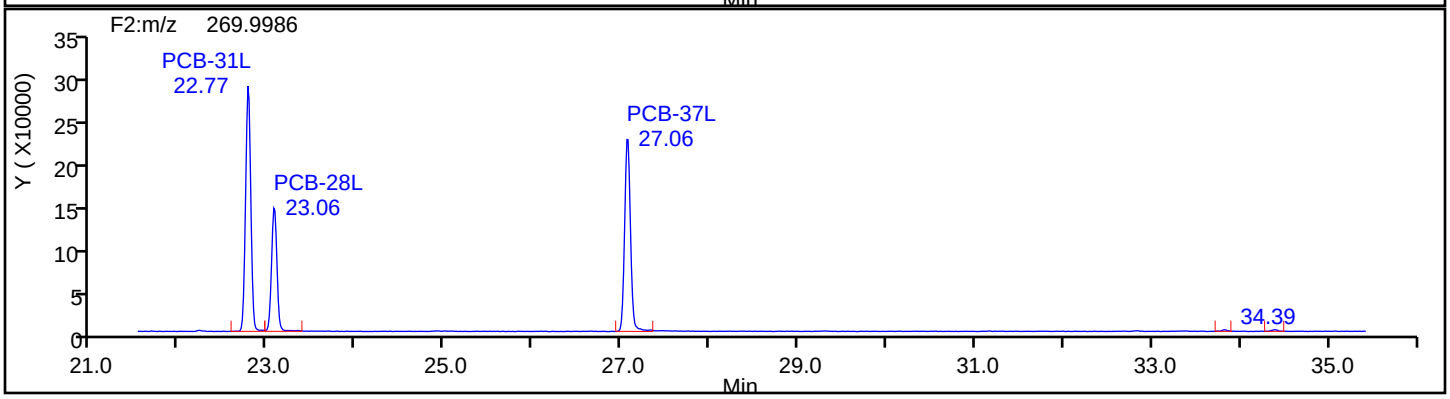
TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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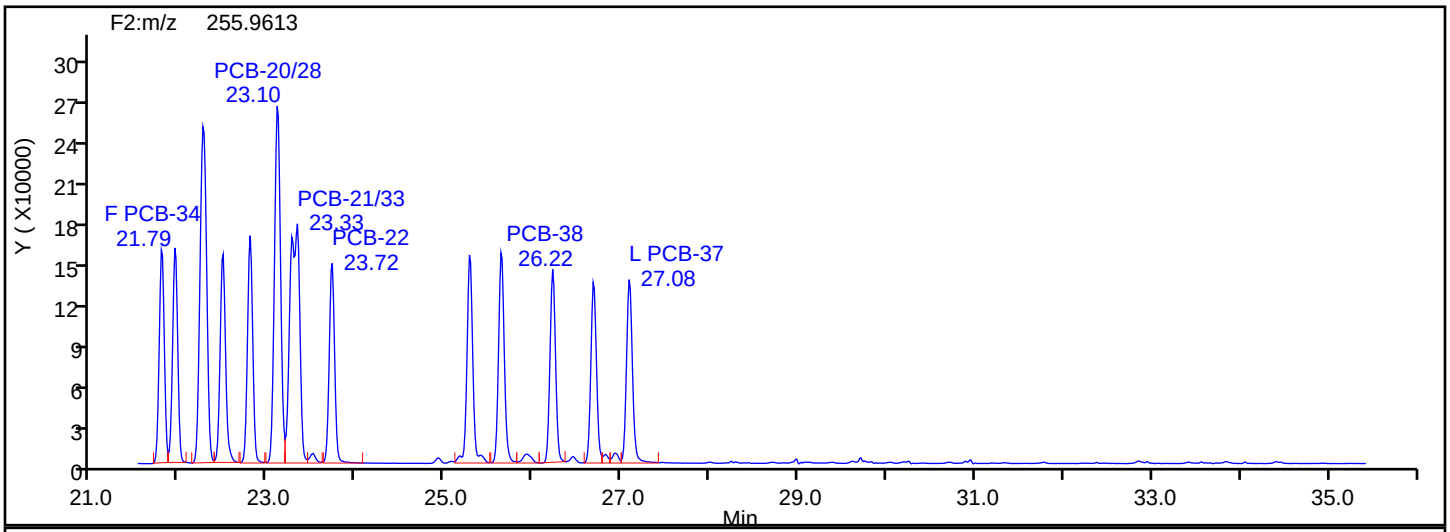
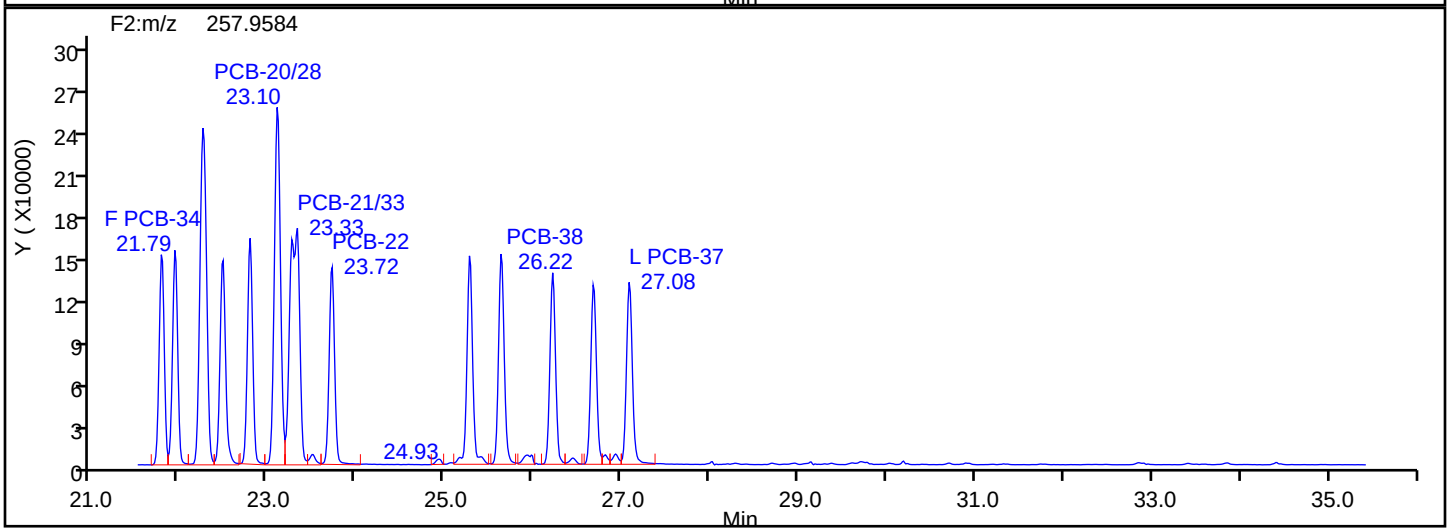
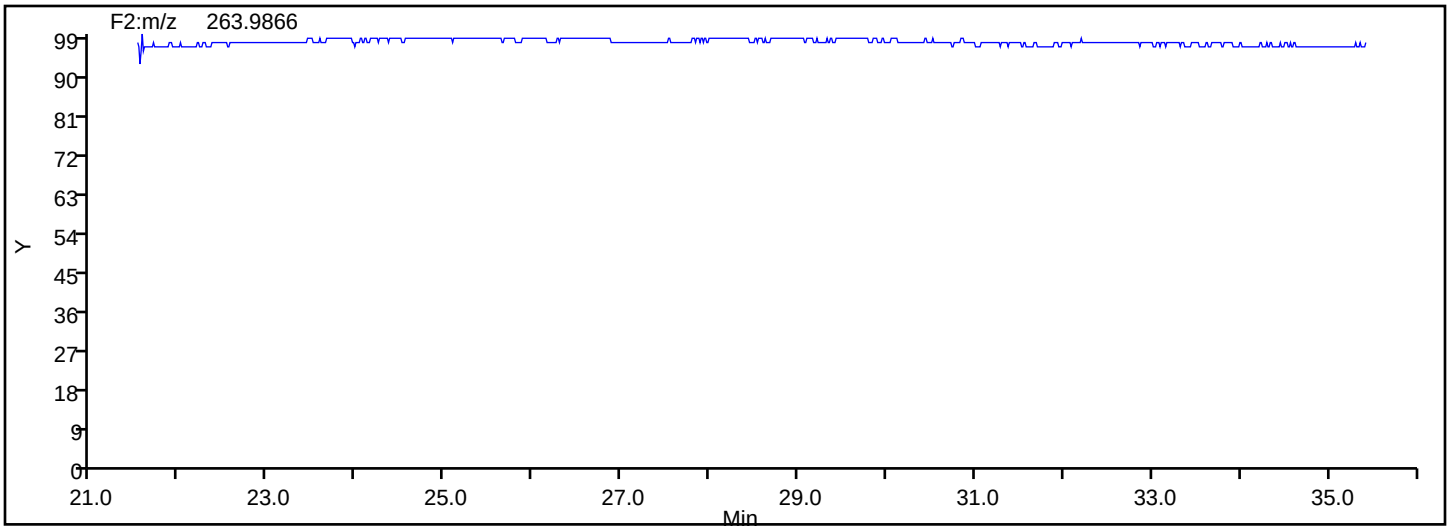
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

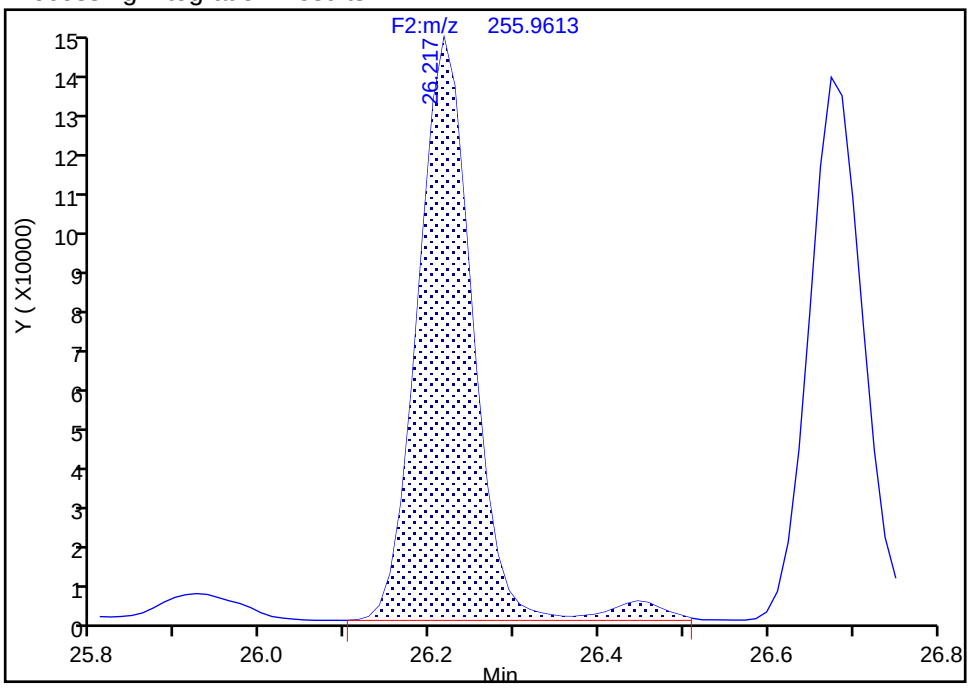
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-38, CAS: 53555-66-1

Signal: 1

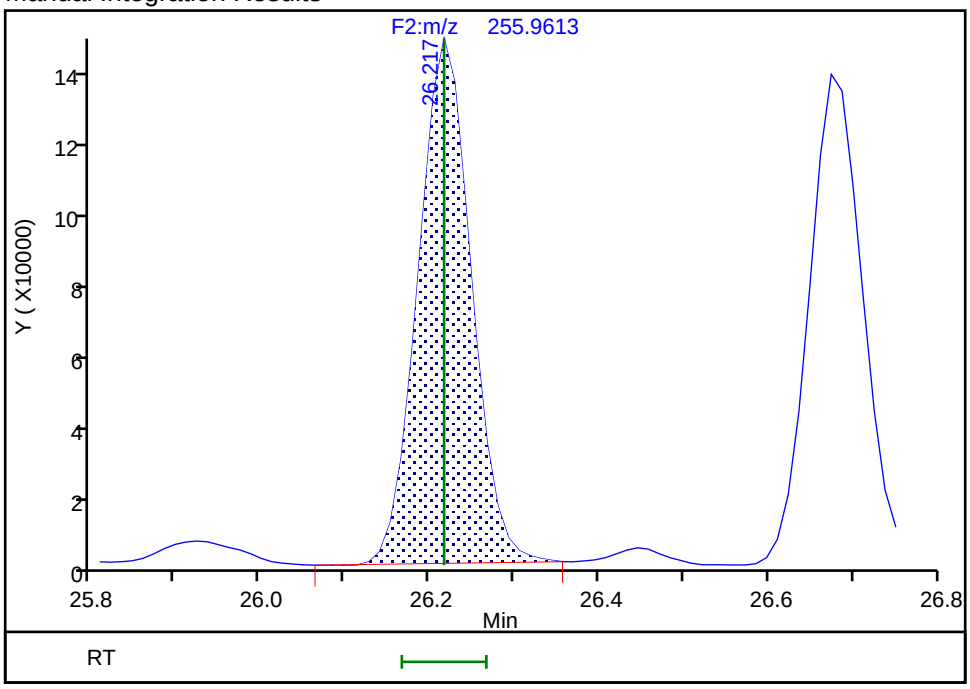
Processing Integration Results

RT: 26.22
Area: 657843
Amount: 44.250044
Amount Units: pg/ul




Manual Integration Results

RT: 26.22
Area: 626740
Amount: 43.160064
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:43:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

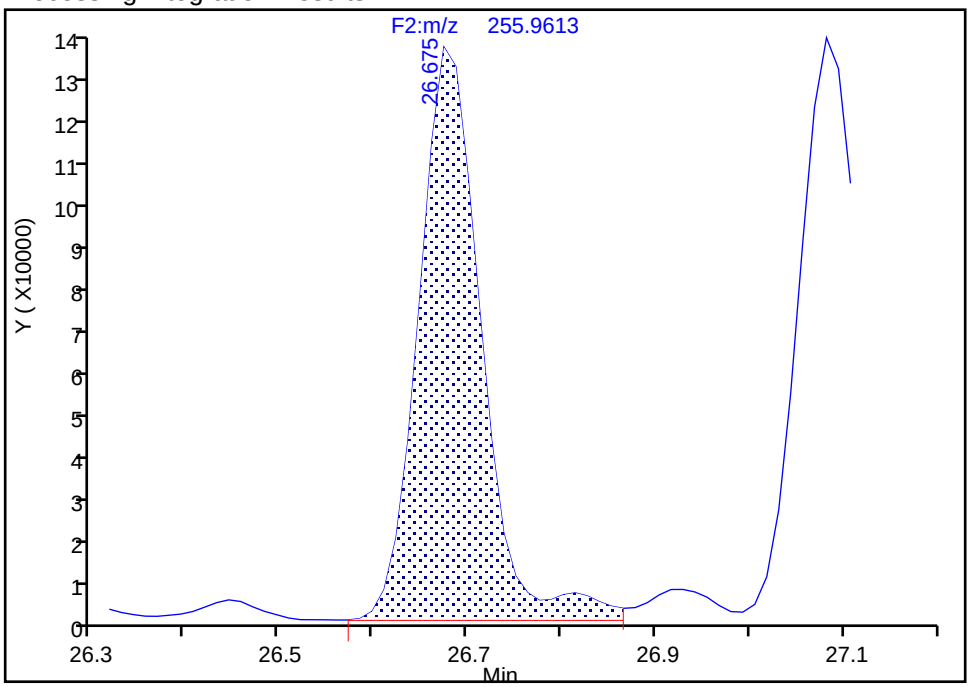
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 1

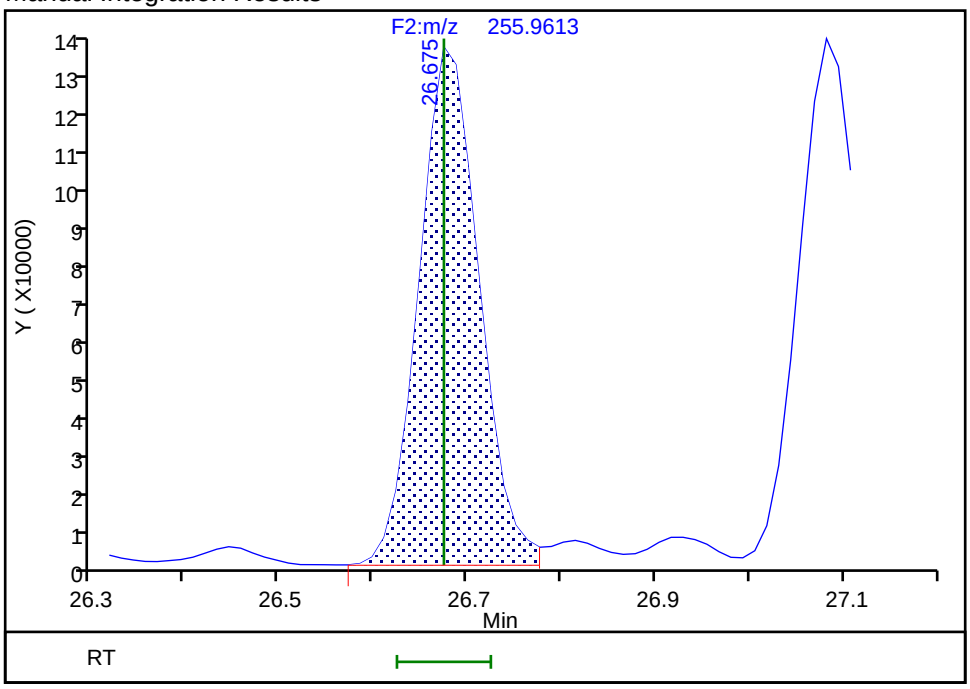
Processing Integration Results

RT: 26.67
Area: 624495
Amount: 46.558612
Amount Units: pg/ul




Manual Integration Results

RT: 26.67
Area: 598135
Amount: 44.534678
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:43:33
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

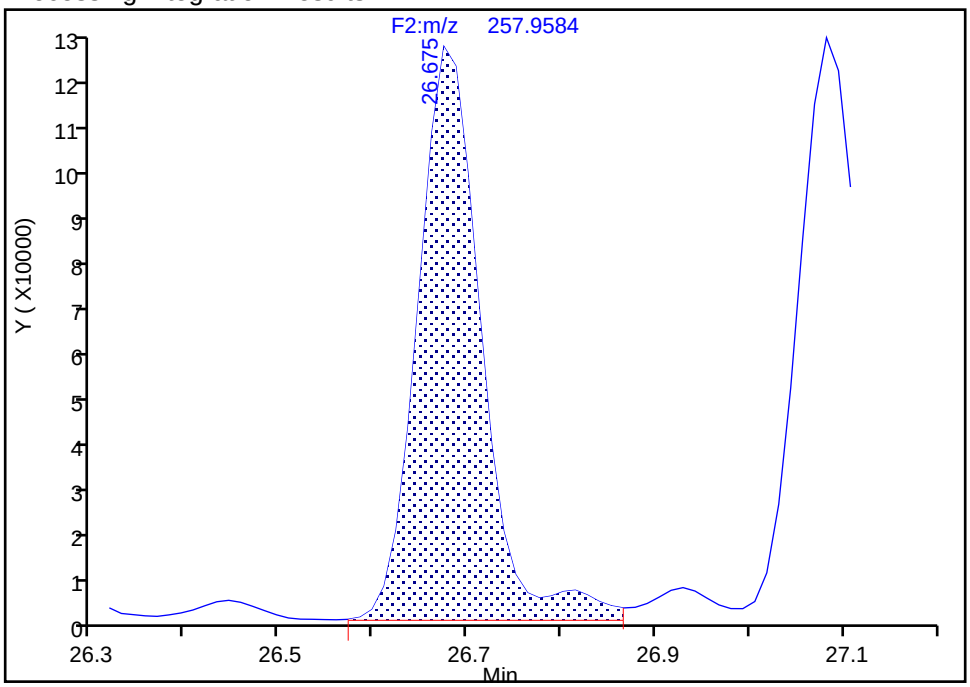
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 2

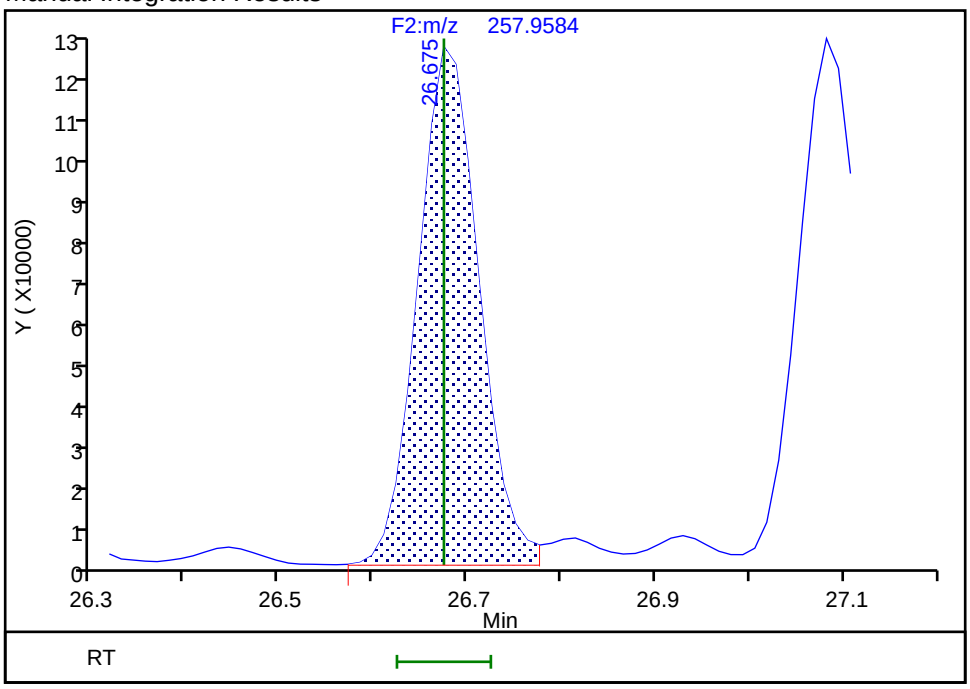
Processing Integration Results

RT: 26.67
Area: 602217
Amount: 46.558612
Amount Units: pg/ul




Manual Integration Results

RT: 26.67
Area: 575251
Amount: 44.534678
Amount Units: pg/ul

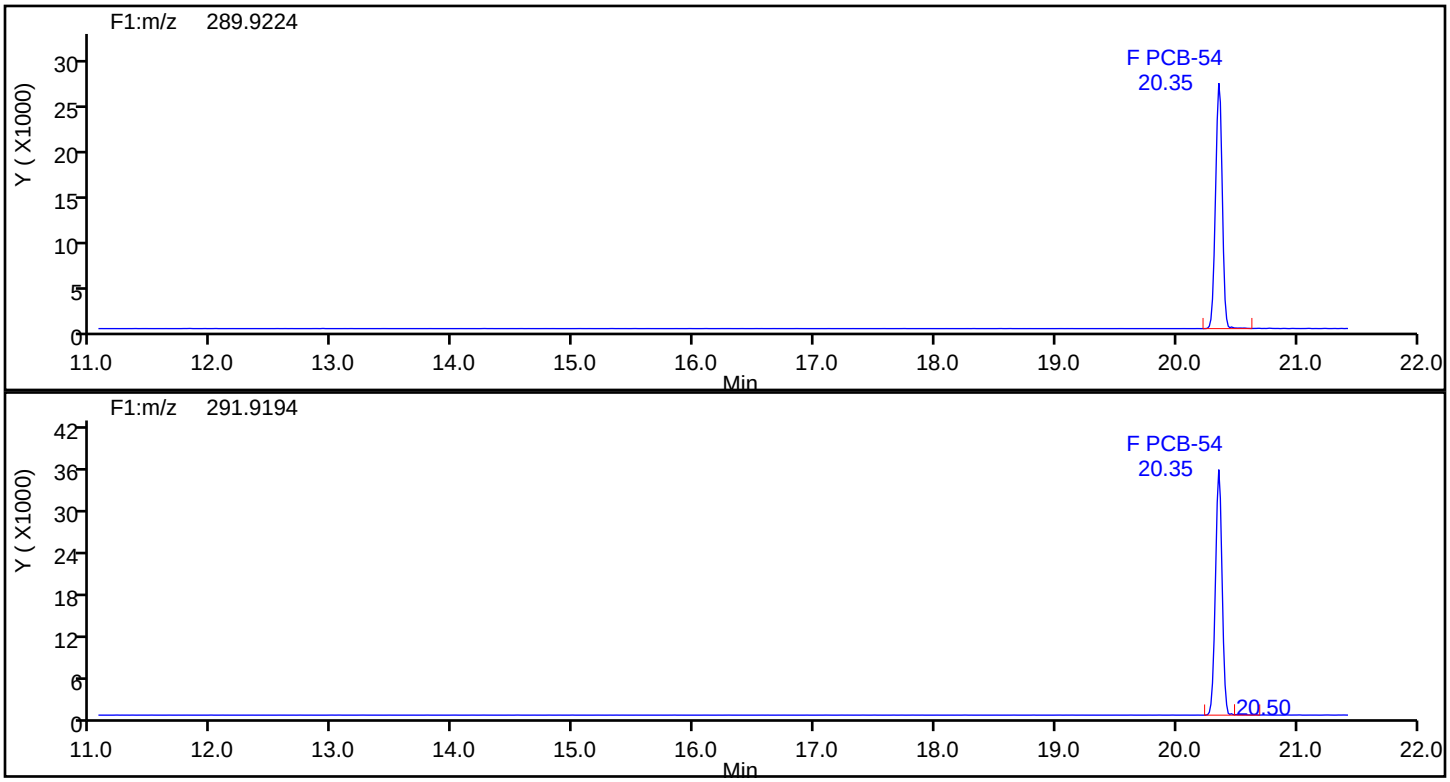



Reviewer: layk, 24-Sep-2019 13:43:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

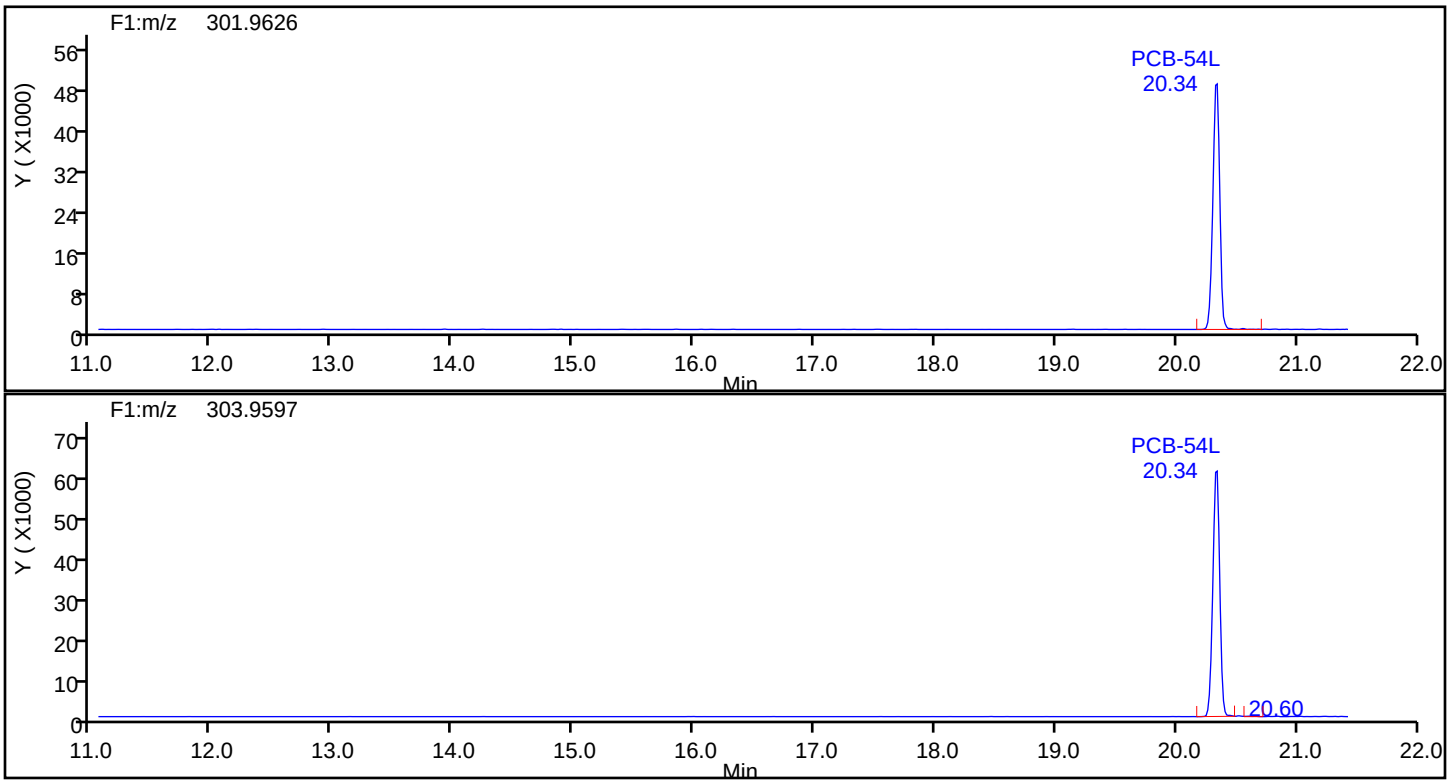
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

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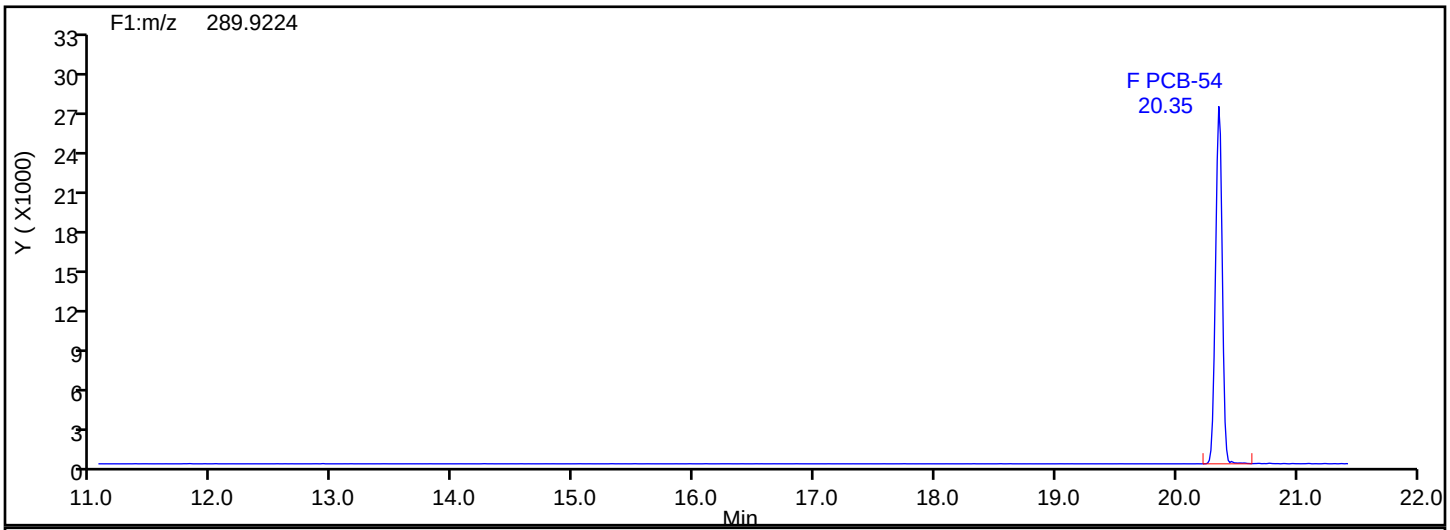
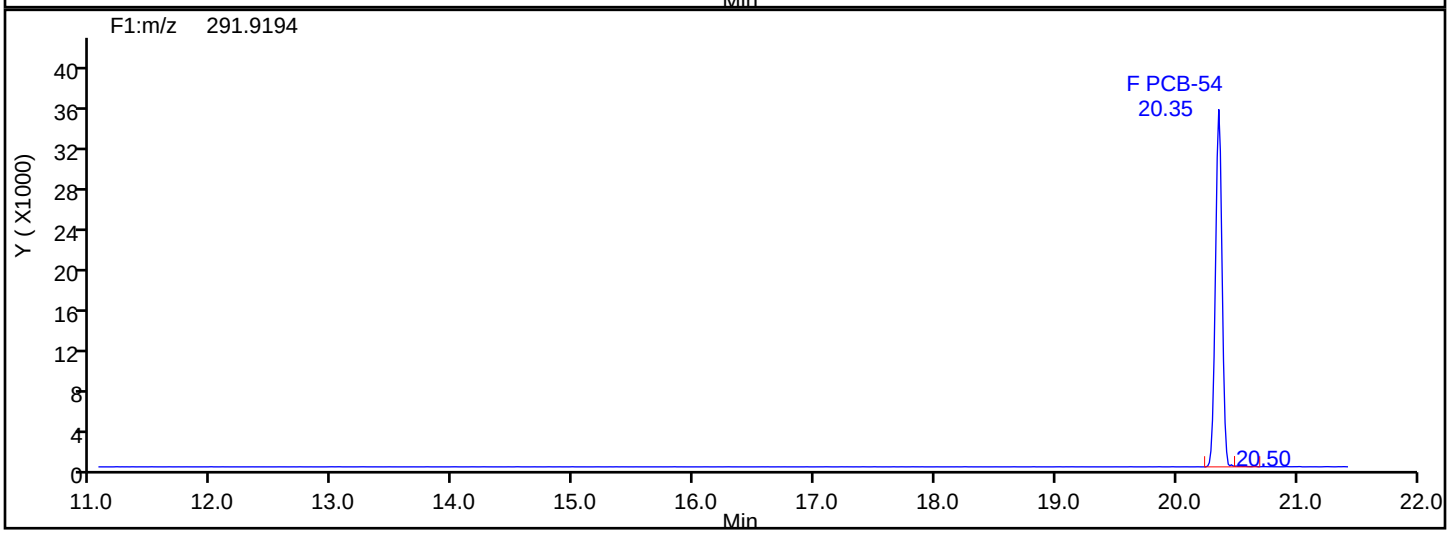
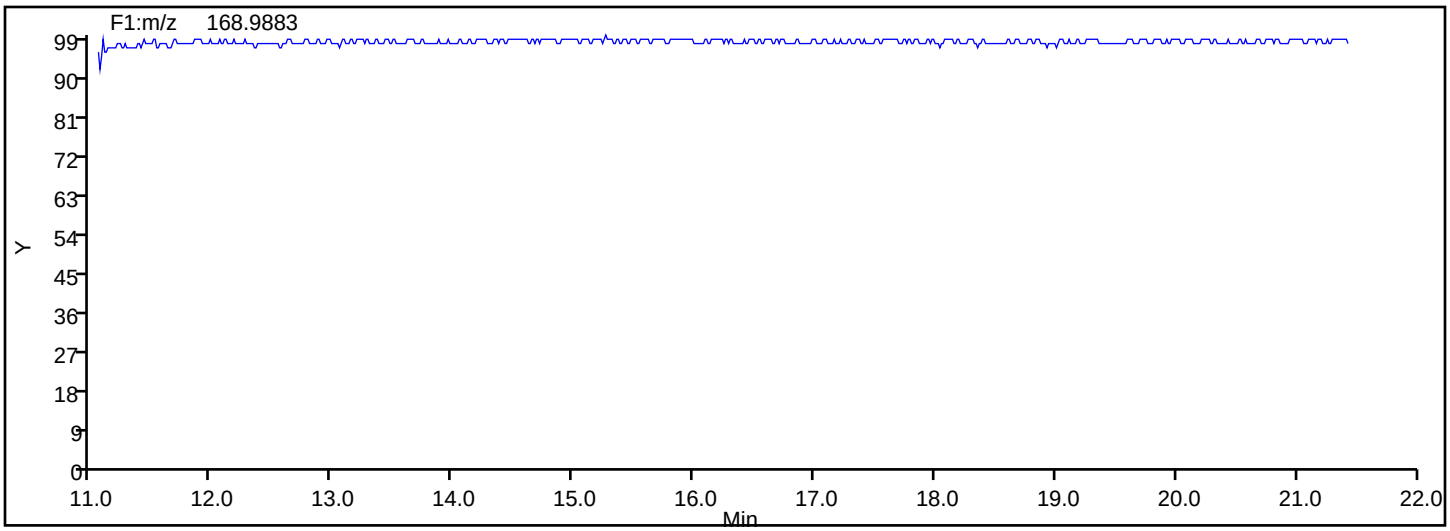
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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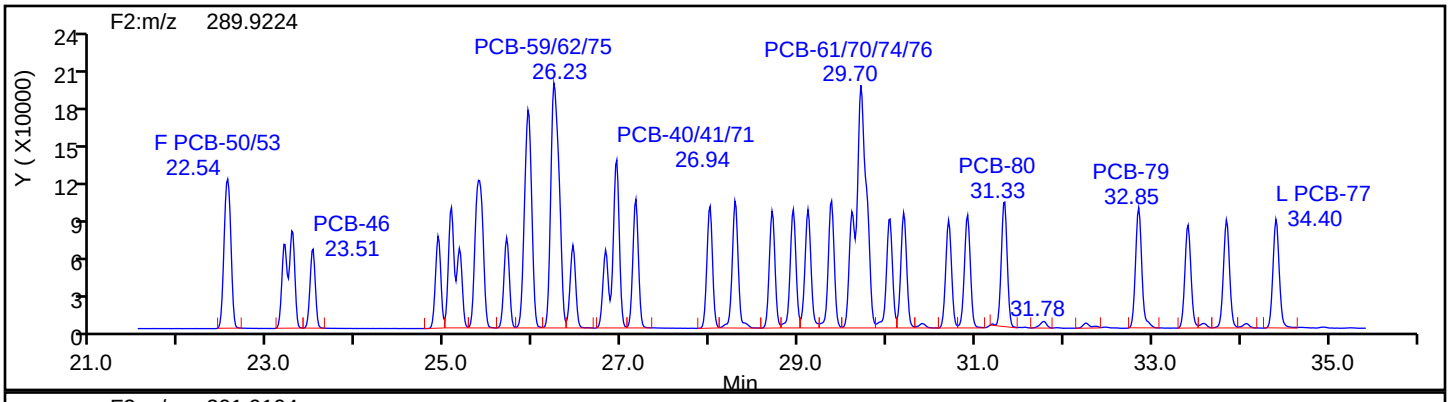
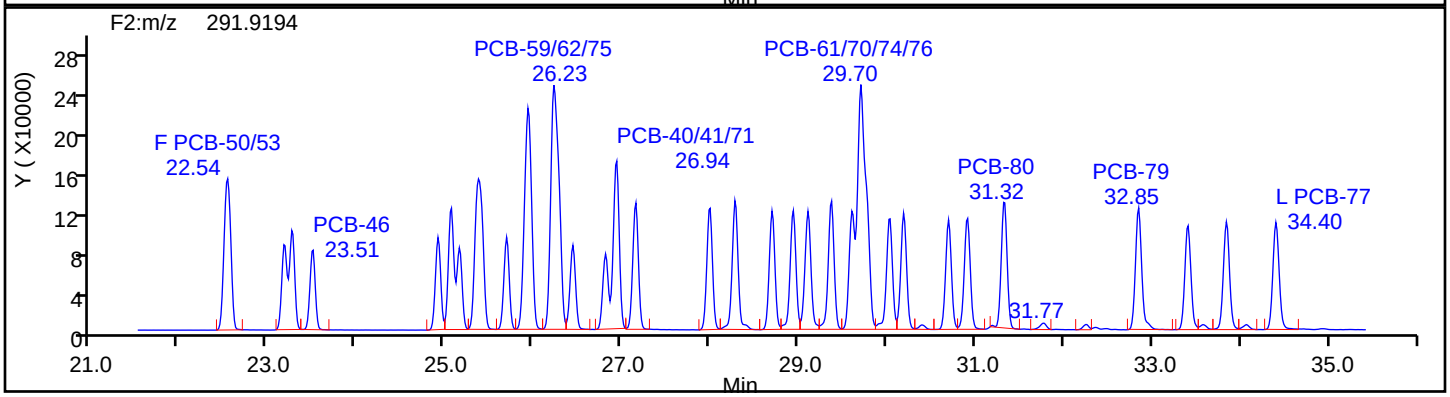
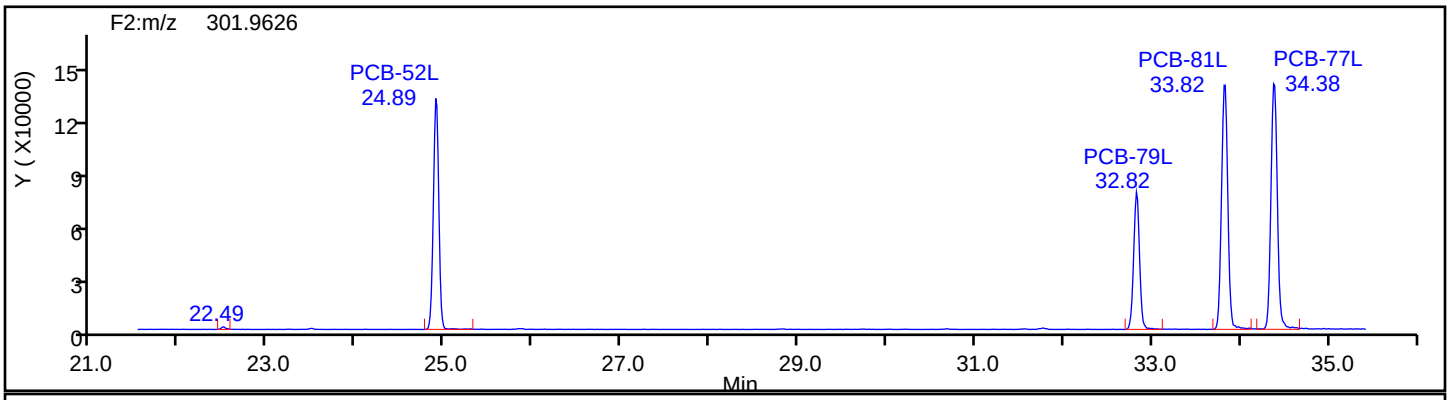
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

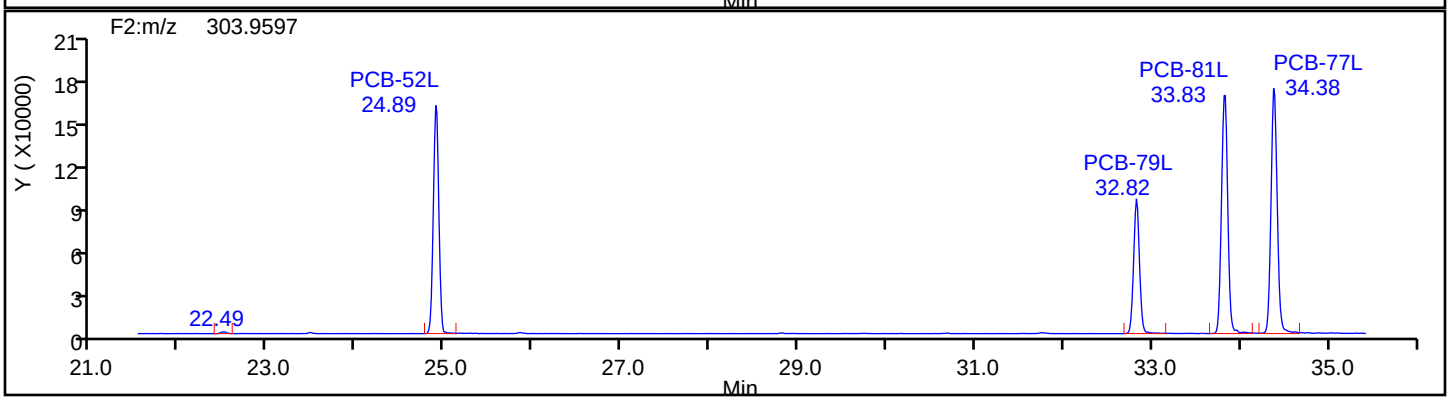
TePCB F2




TePCB F2 Standards

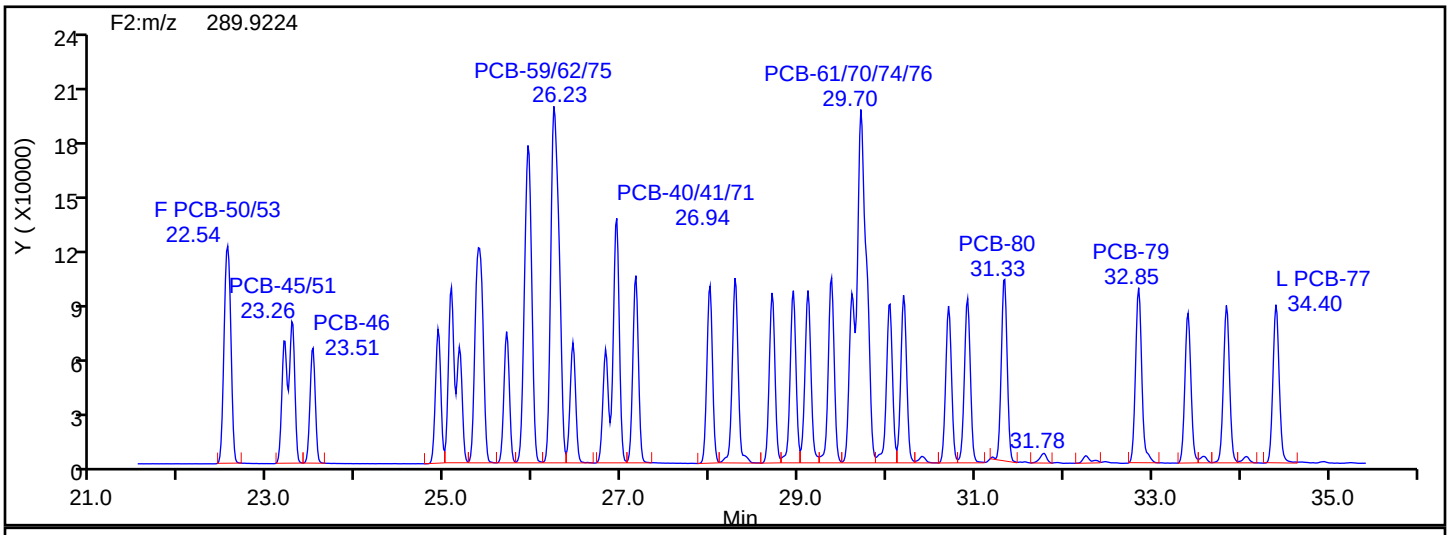


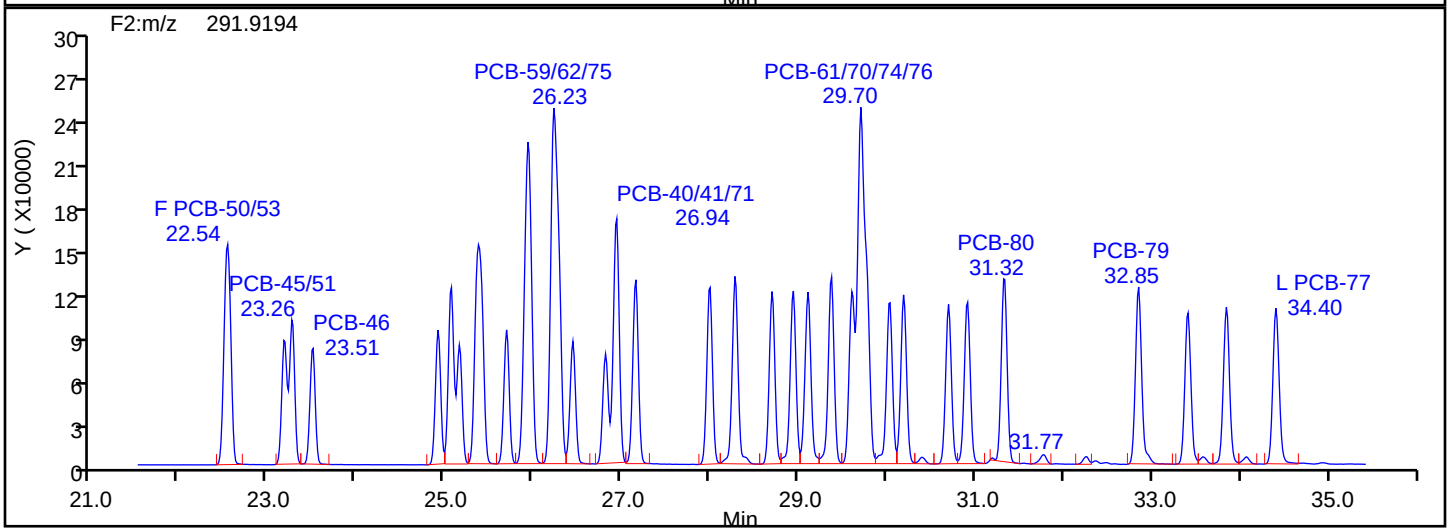



Eurofins TestAmerica, Knoxville

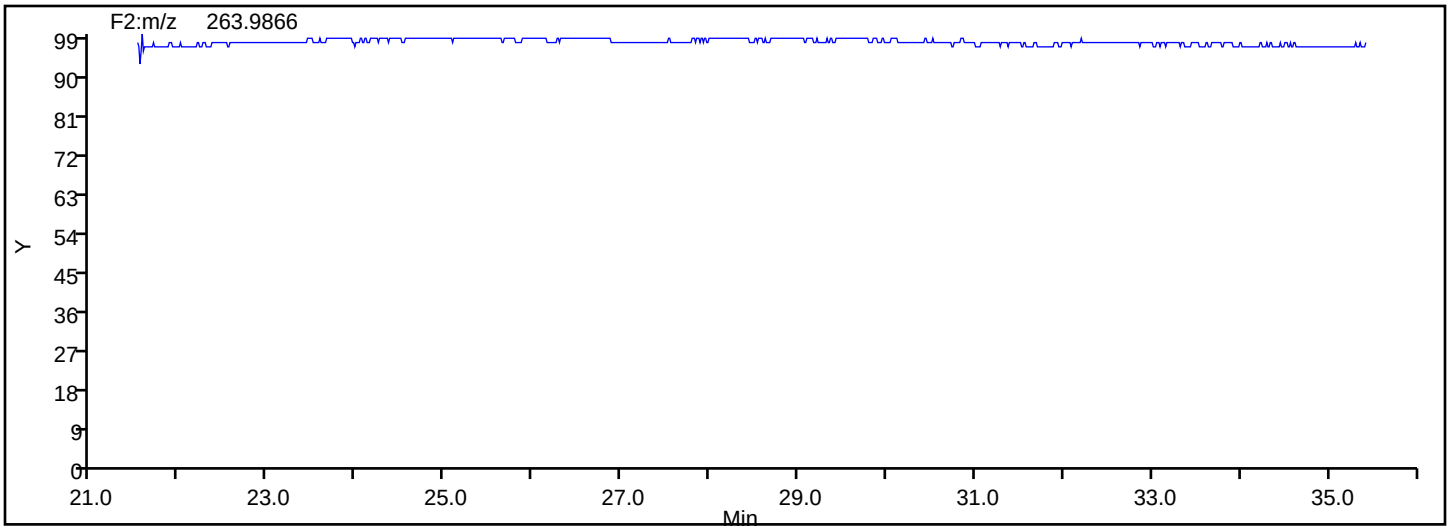
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

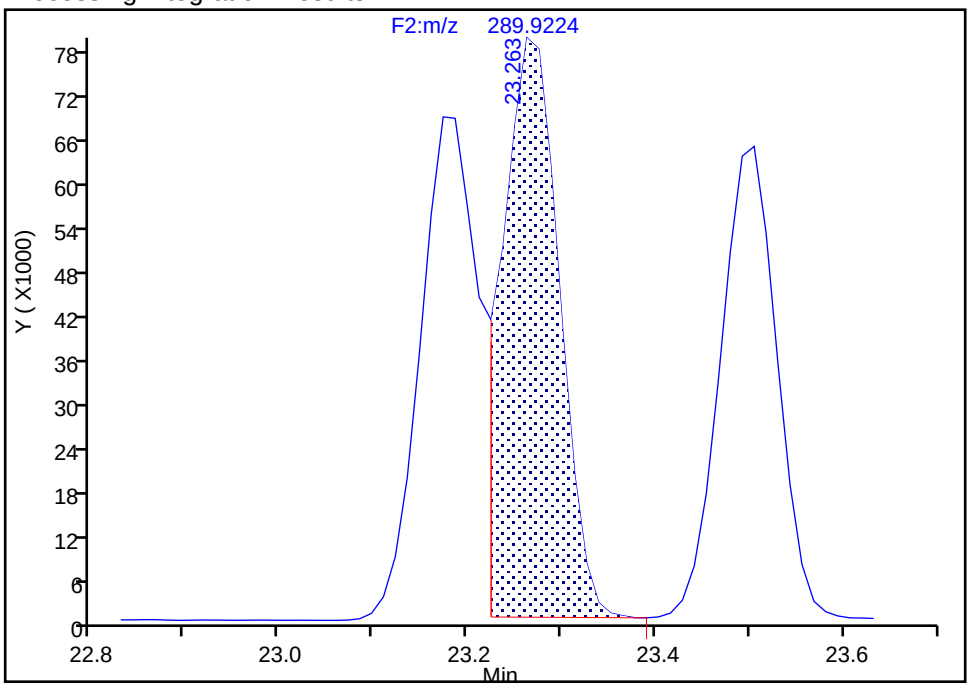
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

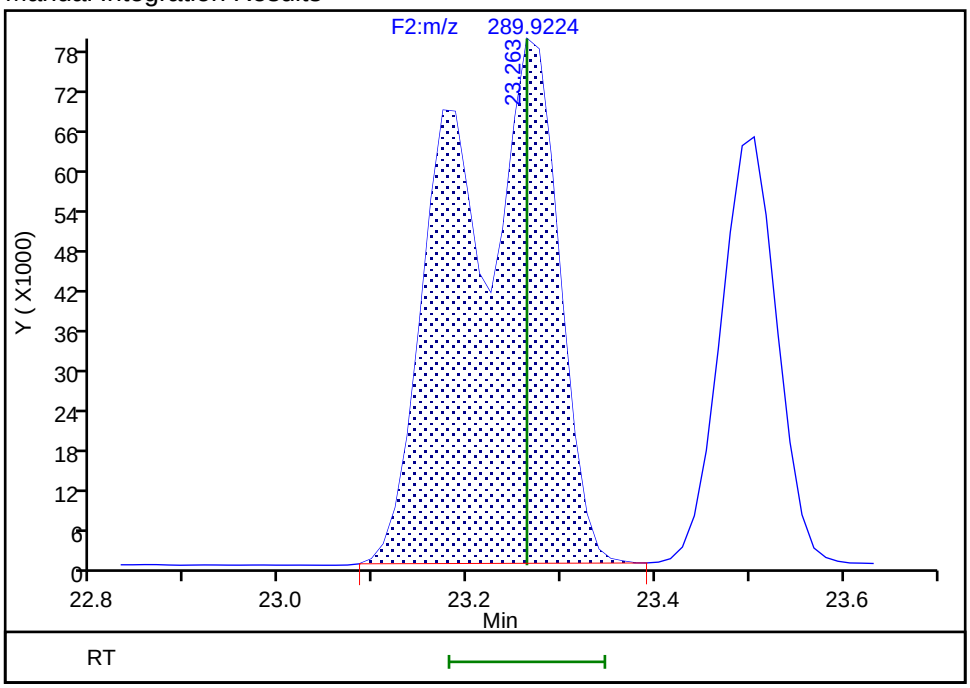
Processing Integration Results

RT: 23.26
Area: 323790
Amount: 53.509844
Amount Units: pg/ul




Manual Integration Results

RT: 23.26
Area: 614490
Amount: 102.1380
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:44:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

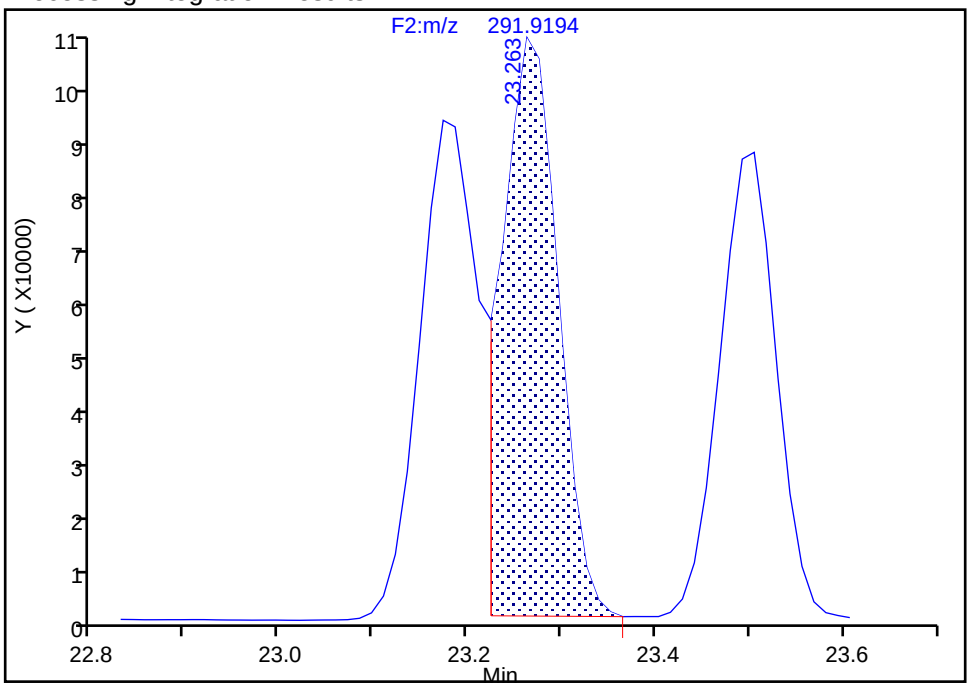
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

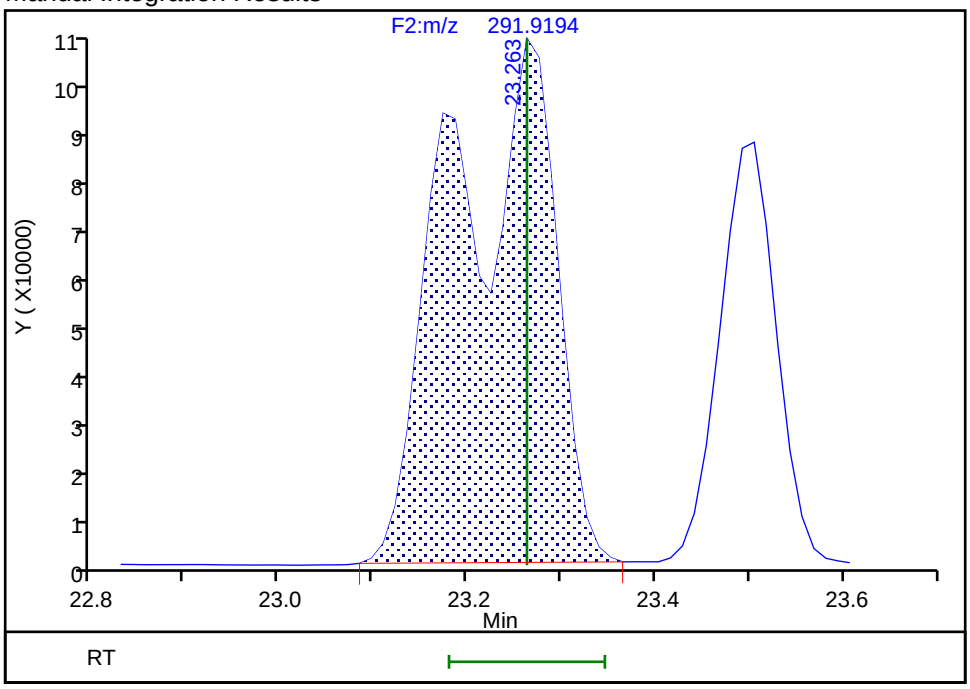
Processing Integration Results

RT: 23.26
Area: 402247
Amount: 53.509844
Amount Units: pg/ul




Manual Integration Results

RT: 23.26
Area: 771348
Amount: 102.1380
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:44:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

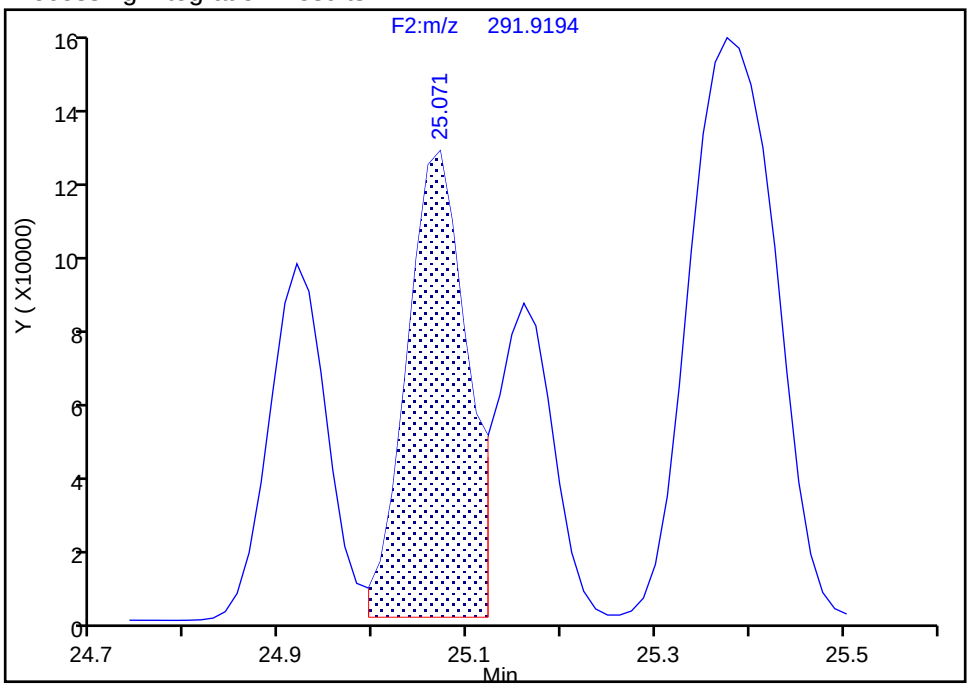
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

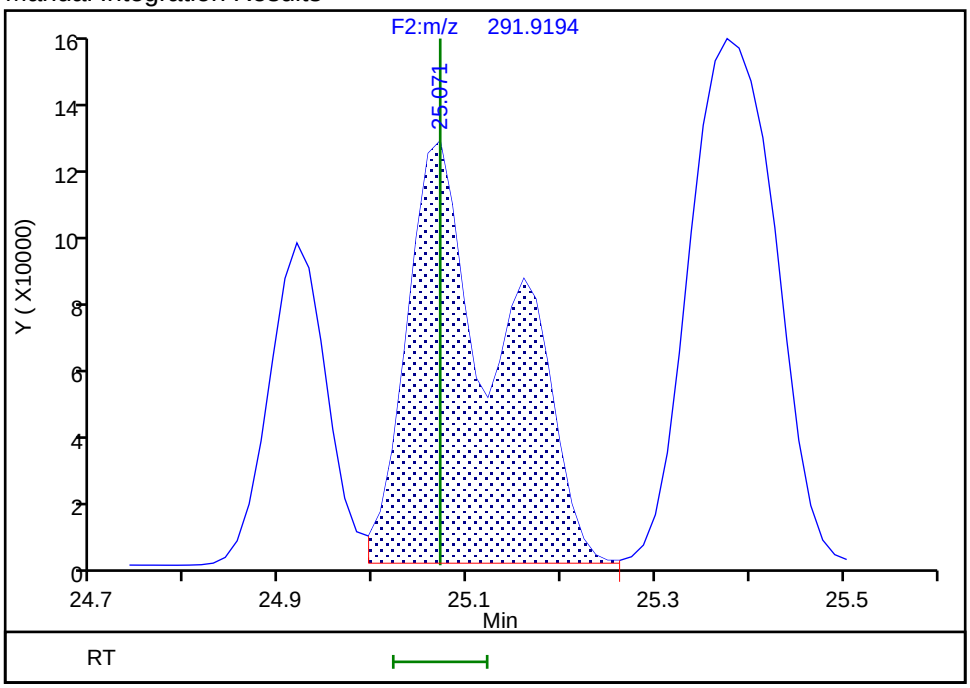
Processing Integration Results

RT: 25.07
Area: 539330
Amount: 63.365338
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 875982
Amount: 102.6631
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:44:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

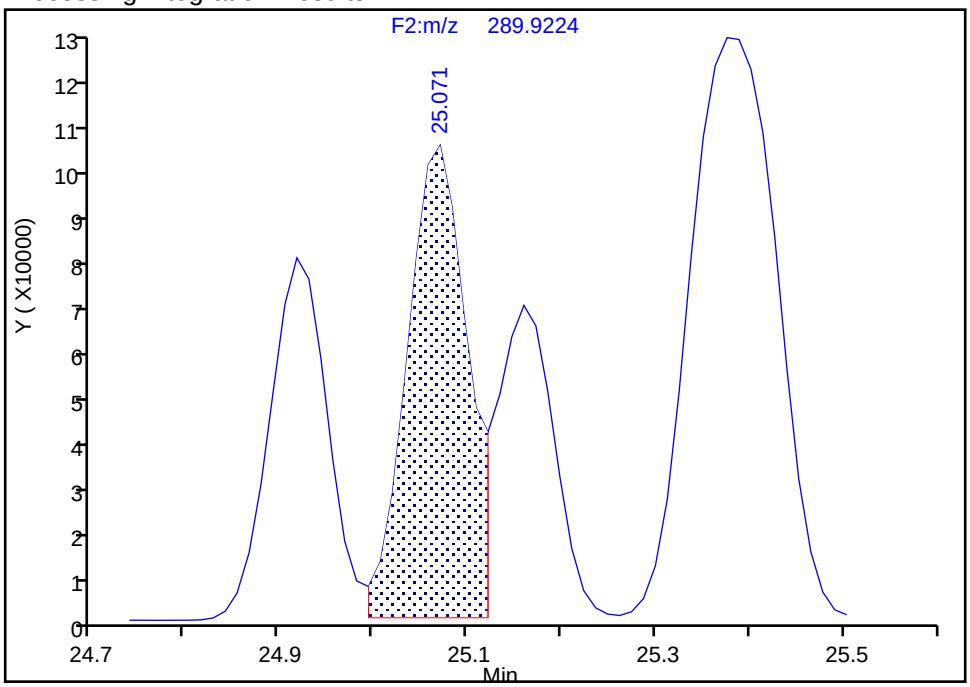
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

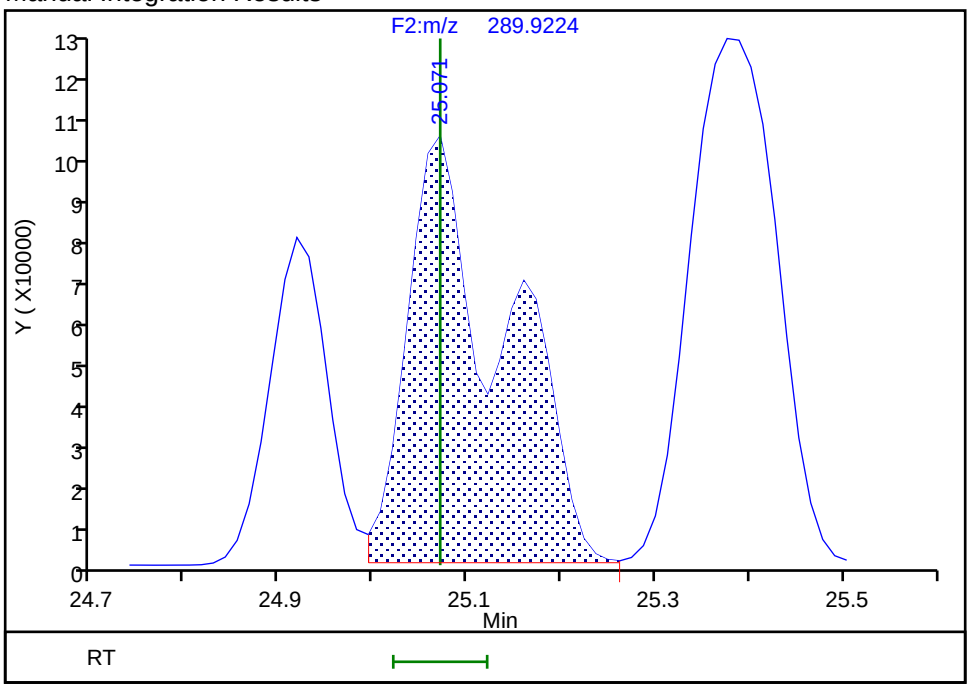
Processing Integration Results

RT: 25.07
Area: 431483
Amount: 63.365338
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 696908
Amount: 102.6631
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:44:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

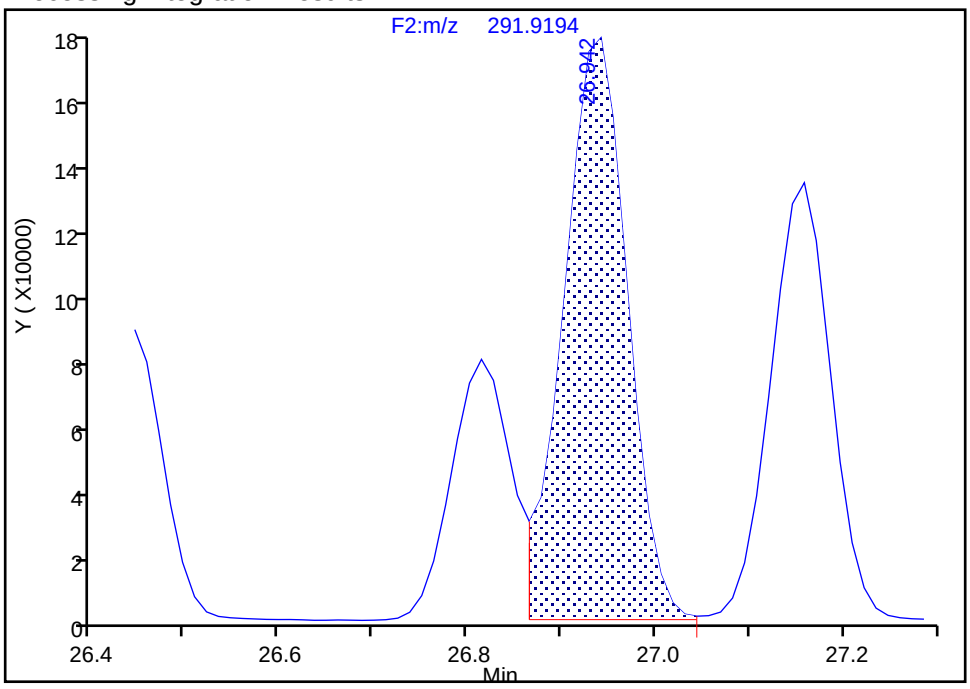
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

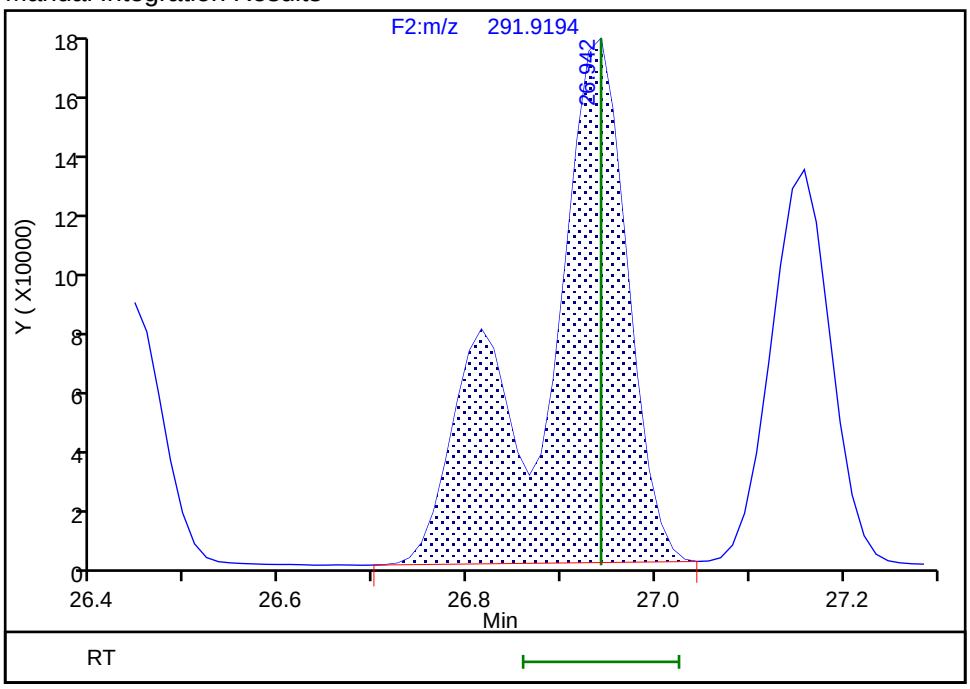
Processing Integration Results

RT: 26.94
Area: 800339
Amount: 121.3054
Amount Units: pg/ul




Manual Integration Results

RT: 26.94
Area: 1122949
Amount: 144.2307
Amount Units: pg/ul



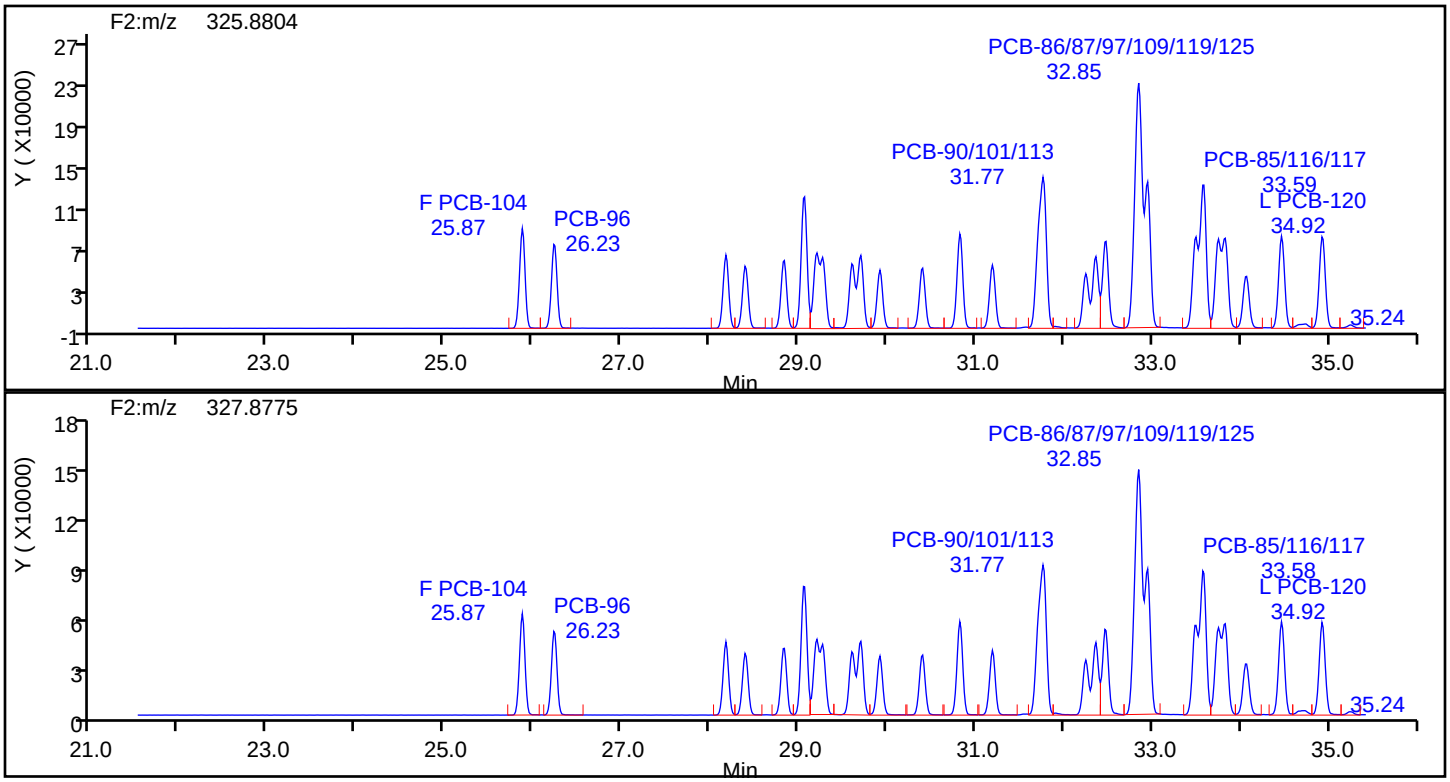

Reviewer: layk, 24-Sep-2019 13:44:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

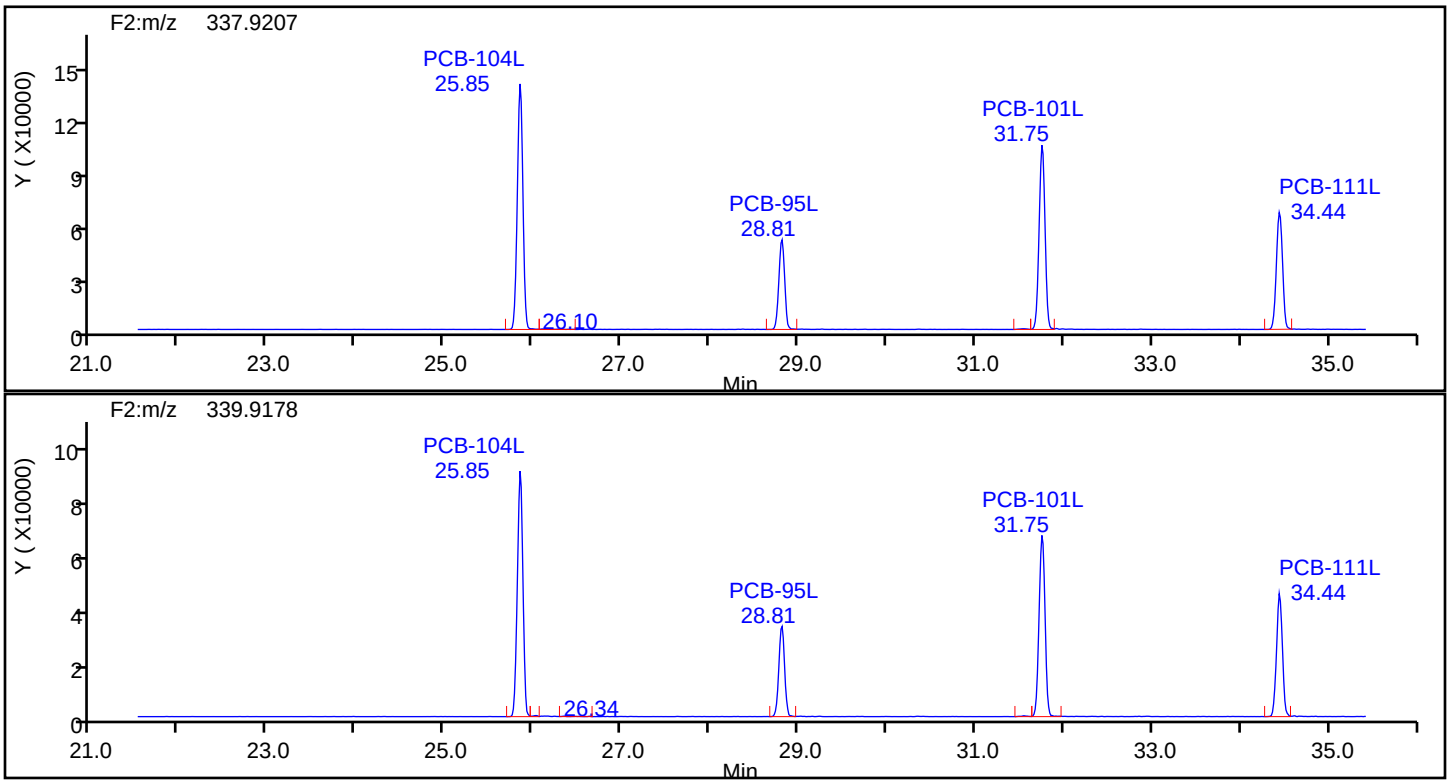
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



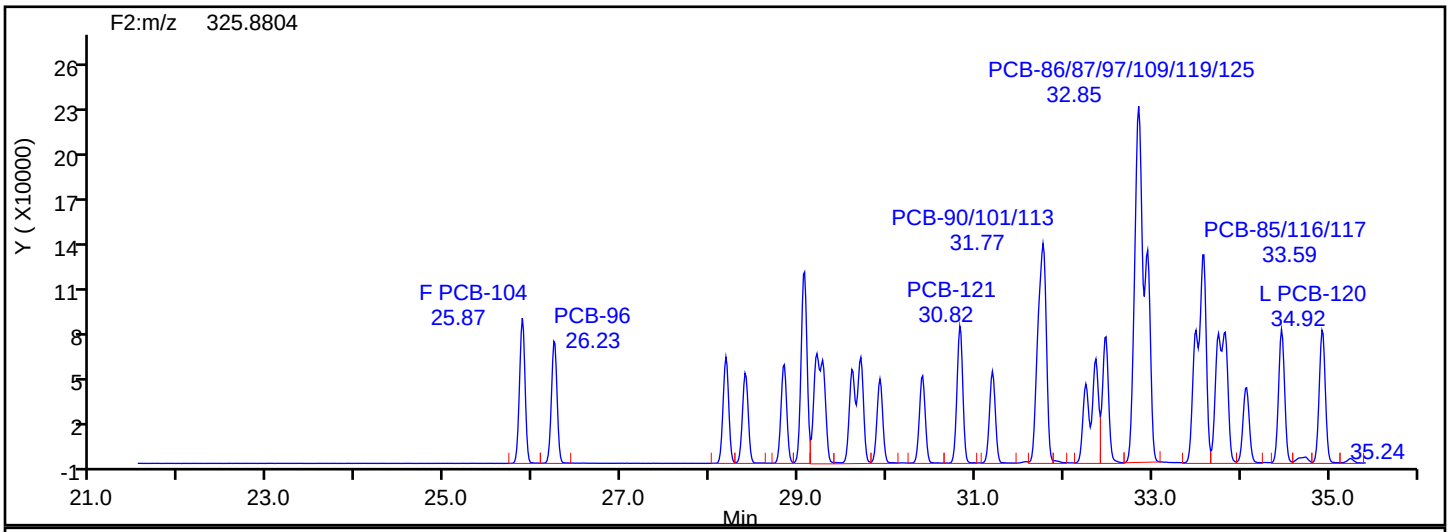

PePCB F2 Standards

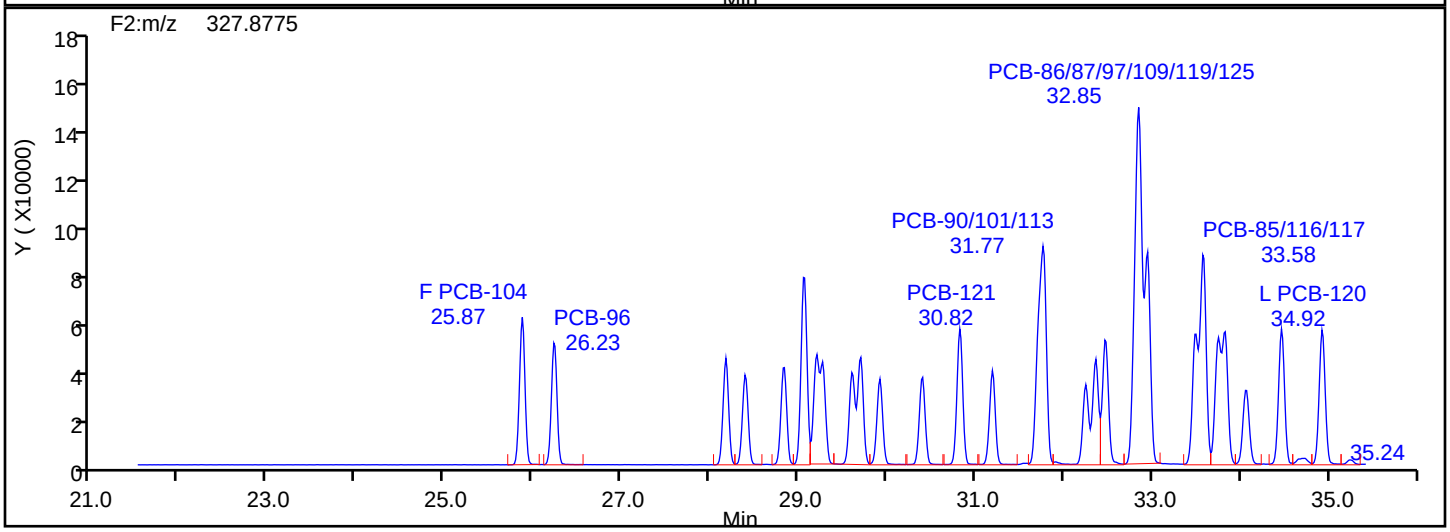


Eurofins TestAmerica, Knoxville

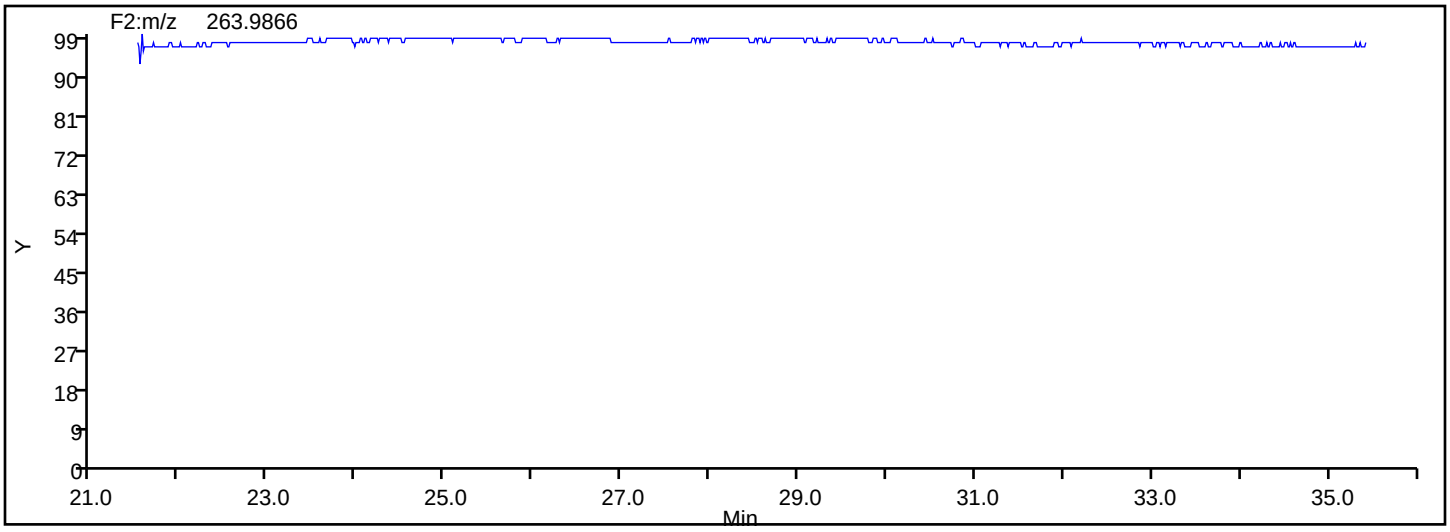
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

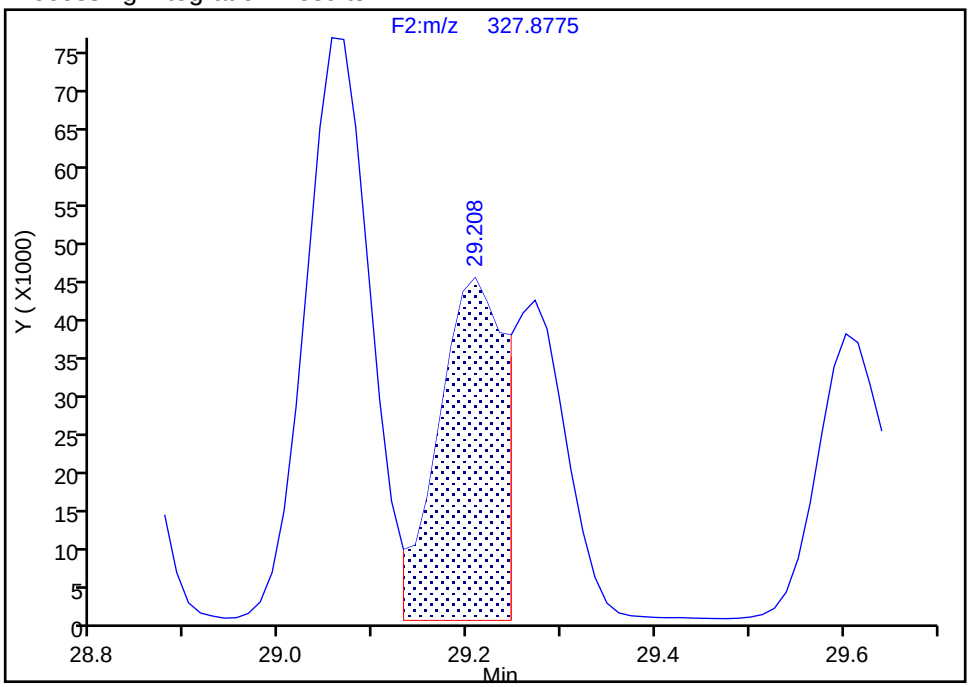
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

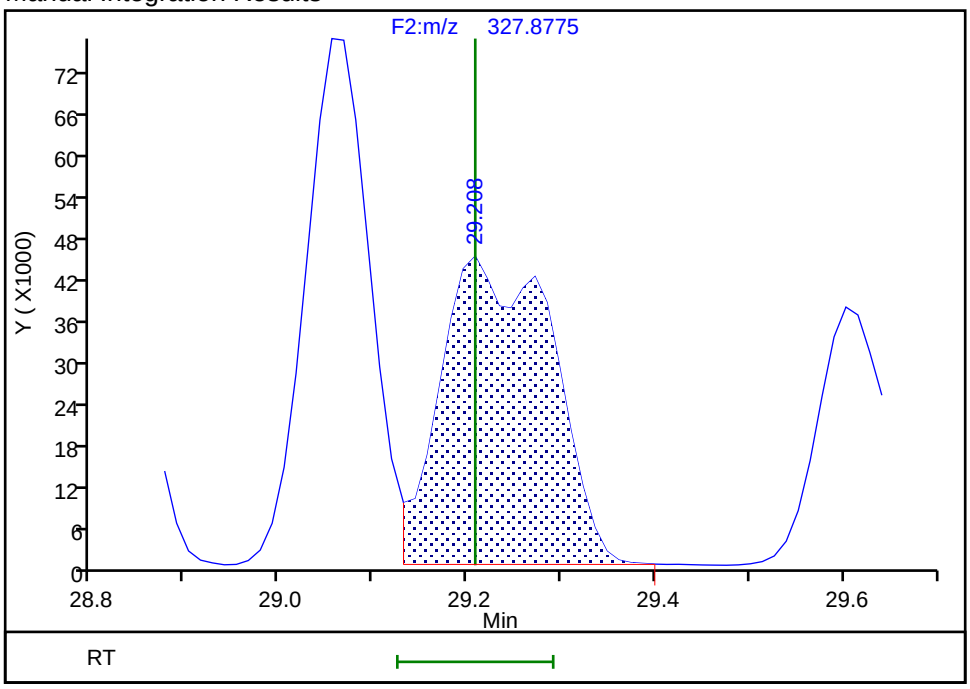
Processing Integration Results

RT: 29.21
Area: 212662
Amount: 57.363695
Amount Units: pg/ul




Manual Integration Results

RT: 29.21
Area: 367536
Amount: 101.0514
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:45:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

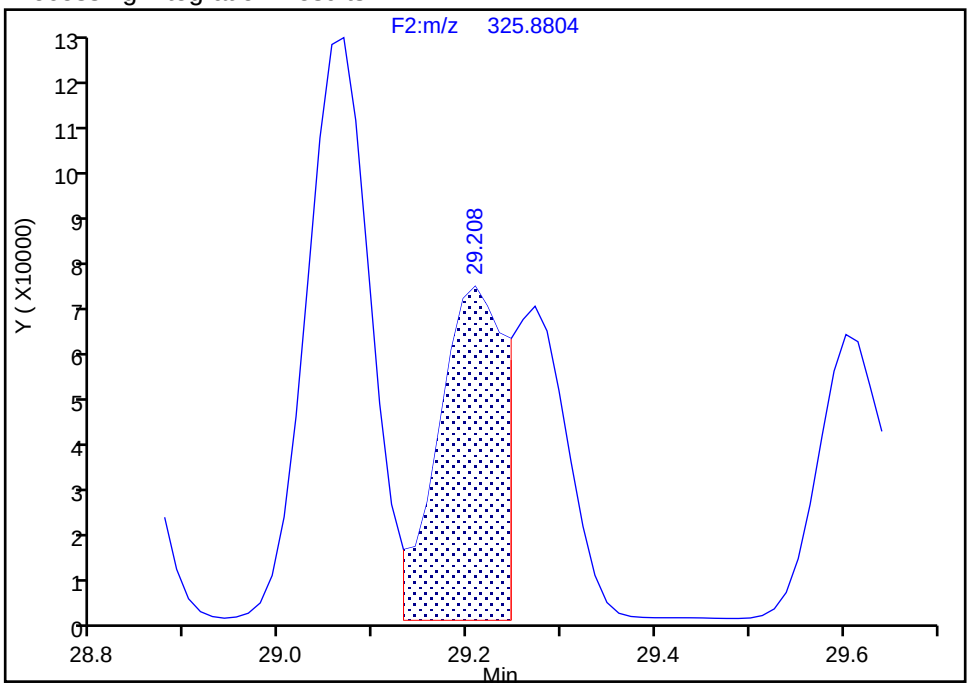
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

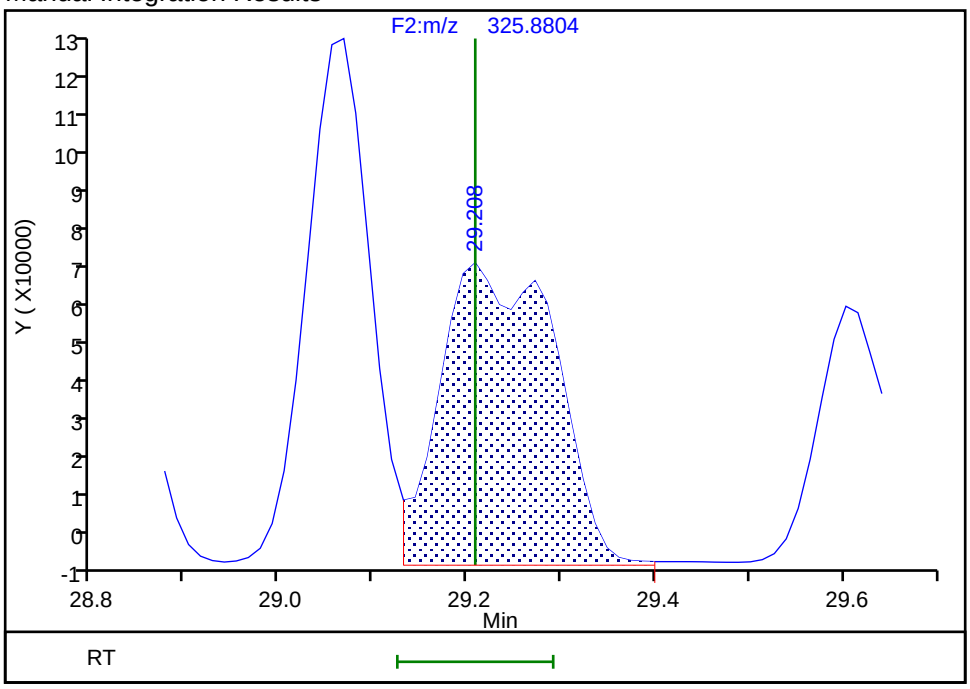
Processing Integration Results

RT: 29.21
Area: 341183
Amount: 57.363695
Amount Units: pg/ul




Manual Integration Results

RT: 29.21
Area: 608113
Amount: 101.0514
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:46:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

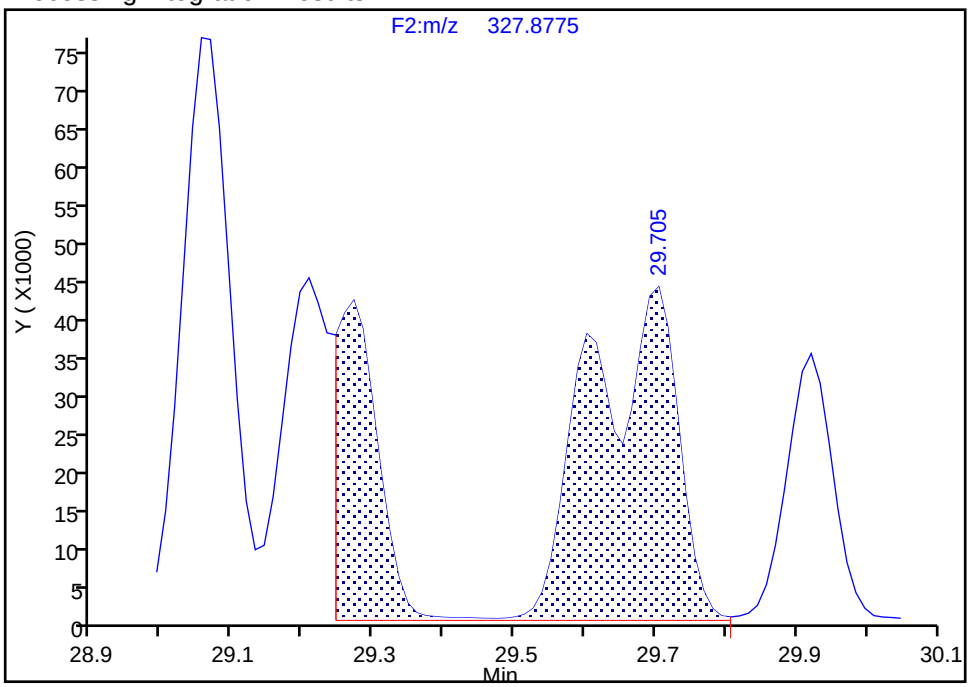
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 2

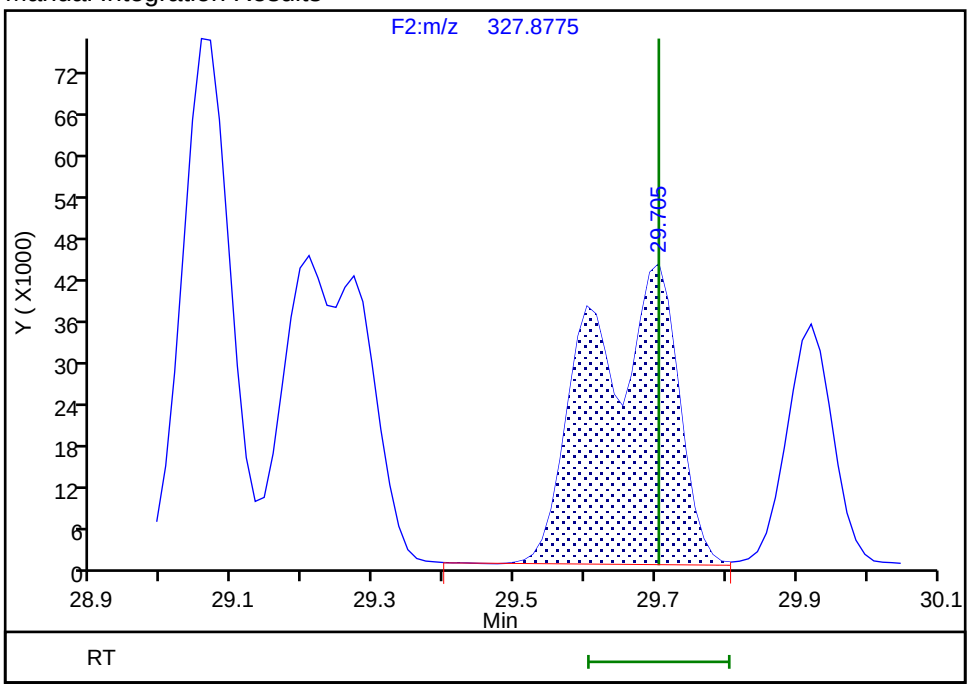
Processing Integration Results

RT: 29.70
Area: 534460
Amount: 142.6309
Amount Units: pg/ul




Manual Integration Results

RT: 29.70
Area: 369831
Amount: 99.515262
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:45:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

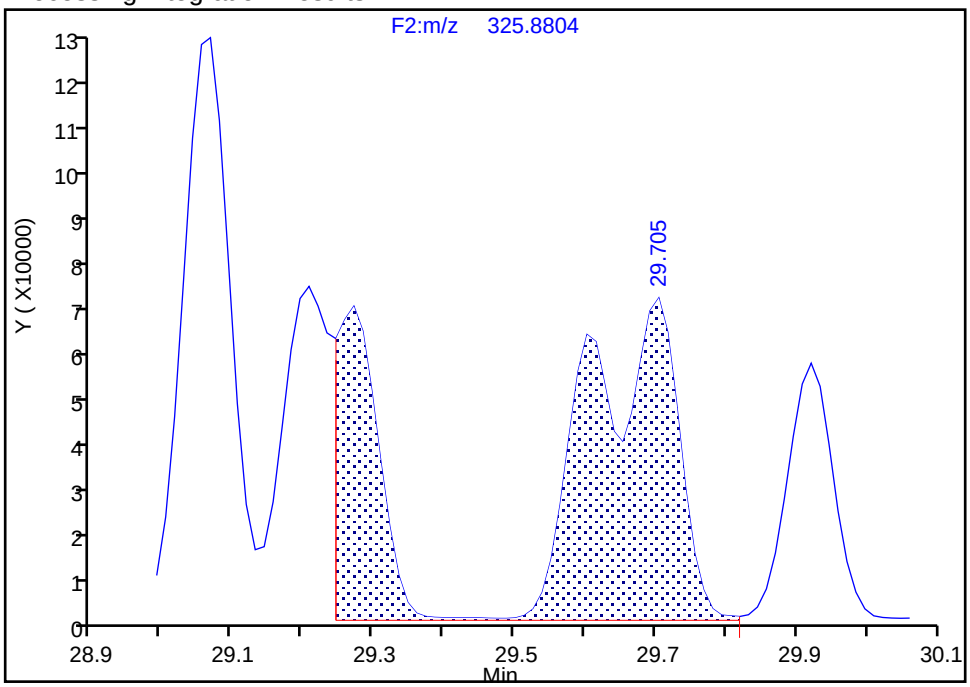
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

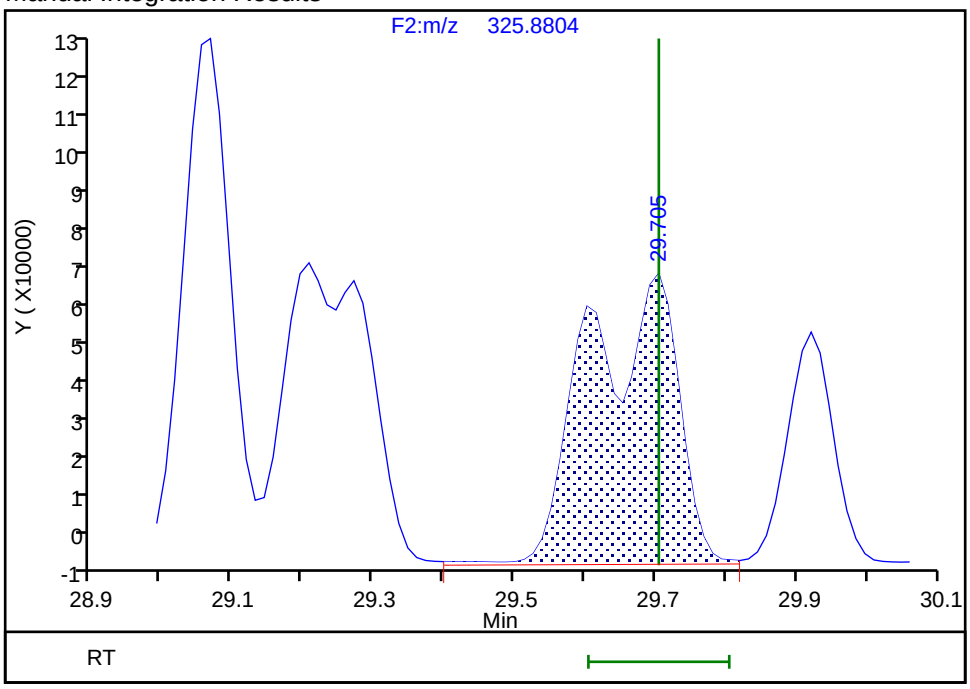
Processing Integration Results

RT: 29.70
Area: 865502
Amount: 142.6309
Amount Units: pg/ul




Manual Integration Results

RT: 29.70
Area: 606939
Amount: 99.515262
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:46:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

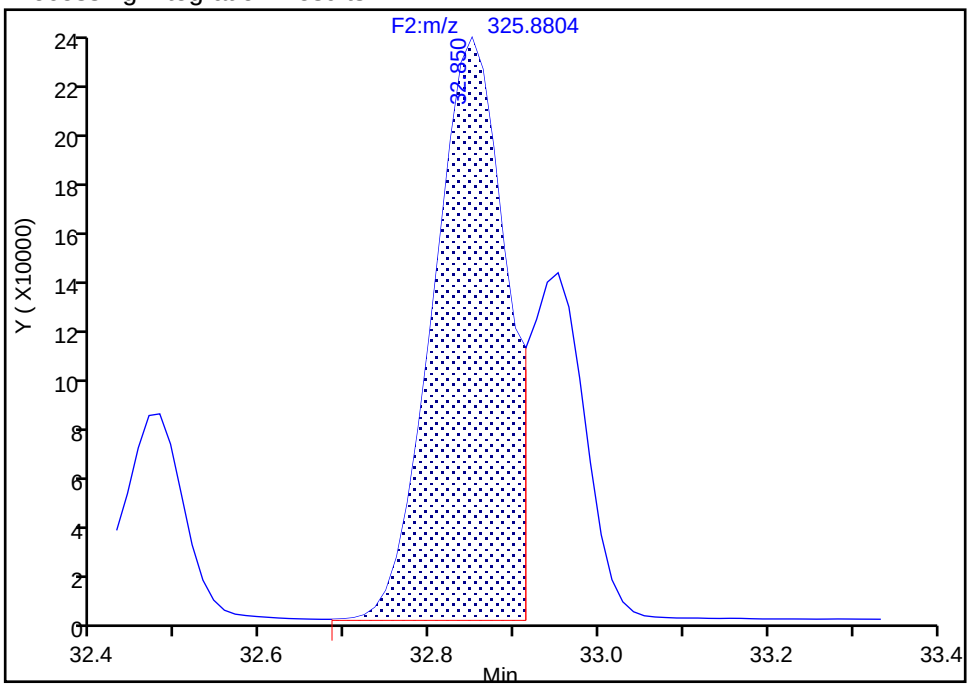
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

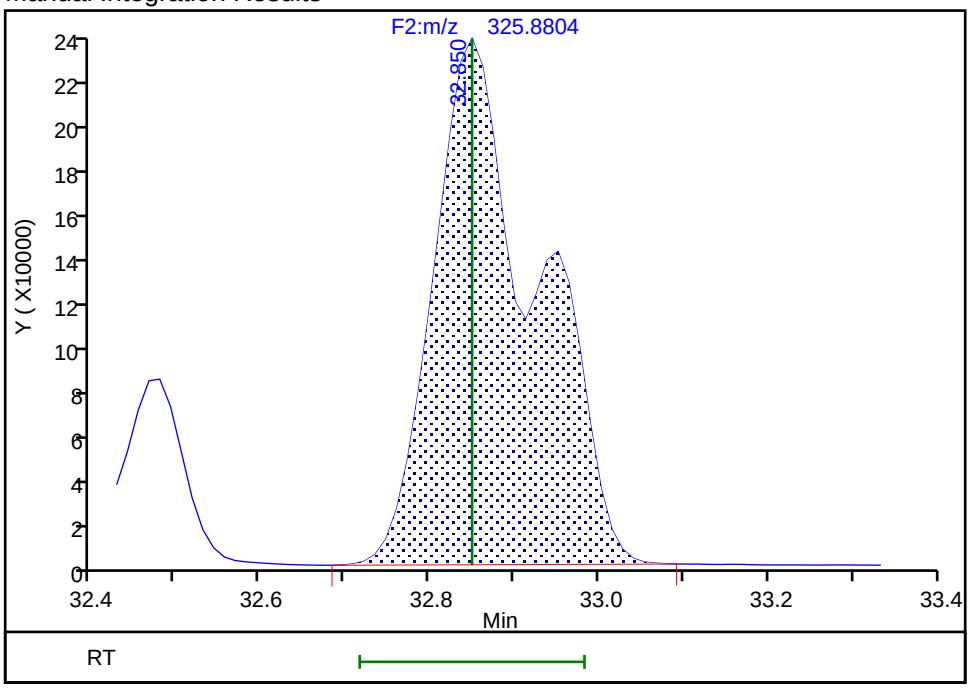
Processing Integration Results

RT: 32.85
Area: 1380615
Amount: 192.1201
Amount Units: pg/ul




Manual Integration Results

RT: 32.85
Area: 1973825
Amount: 274.1718
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:47:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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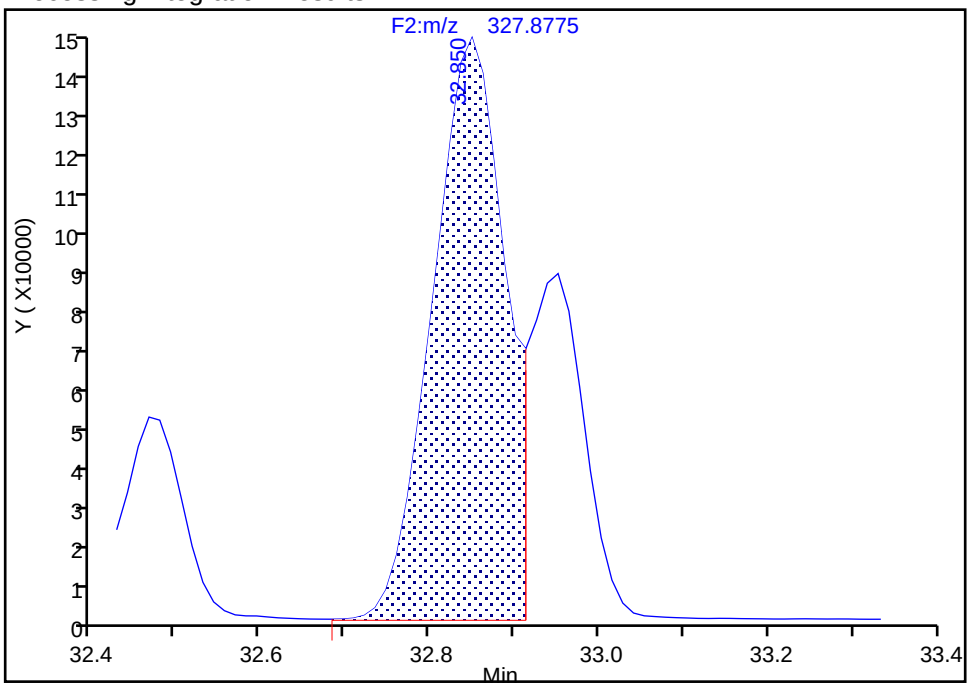
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

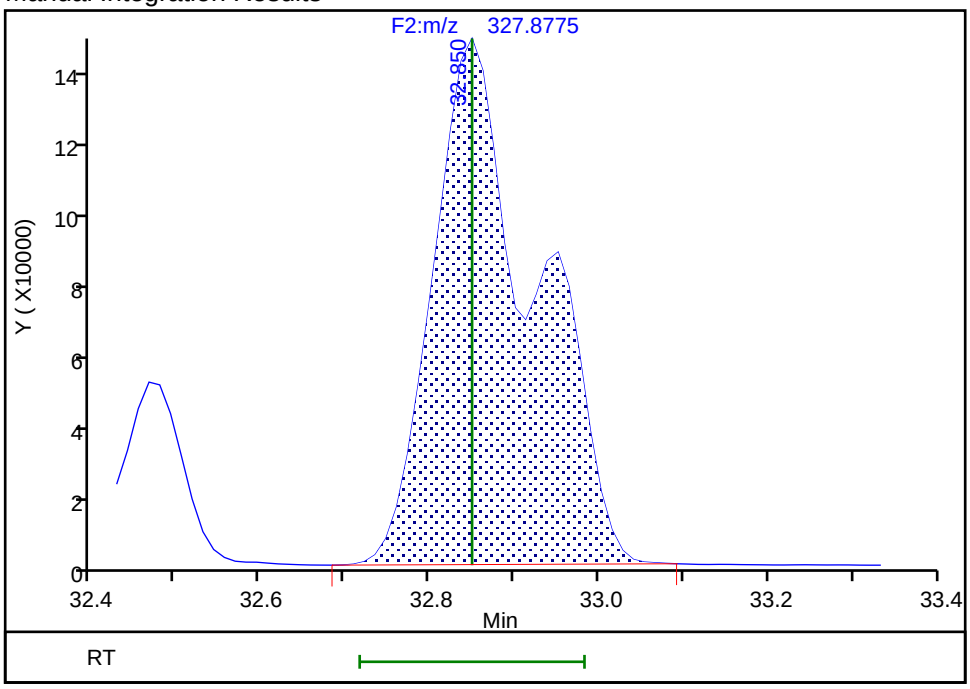
Processing Integration Results

RT: 32.85
Area: 862543
Amount: 192.1201
Amount Units: pg/ul




Manual Integration Results

RT: 32.85
Area: 1227353
Amount: 274.1718
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:47:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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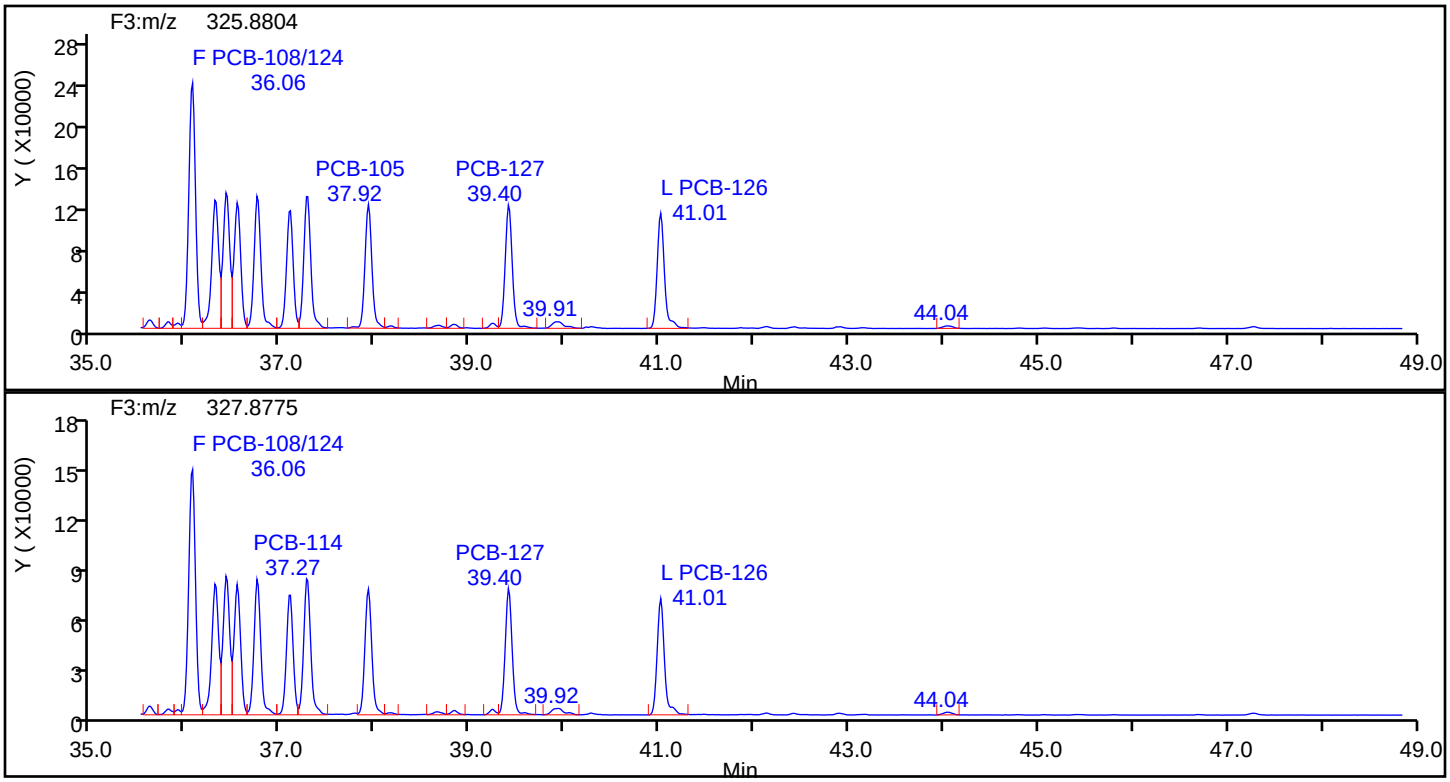
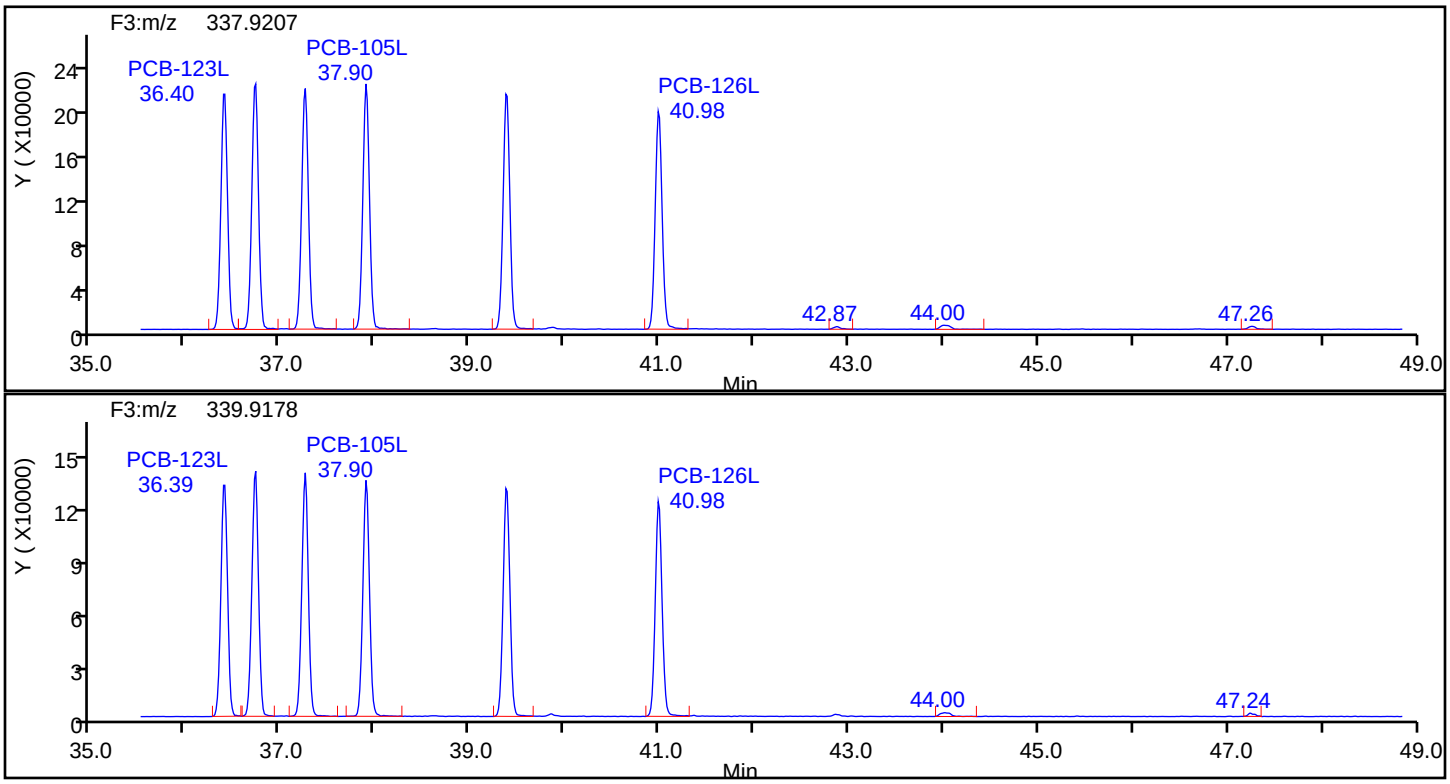
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Standards



Eurofins TestAmerica, Knoxville

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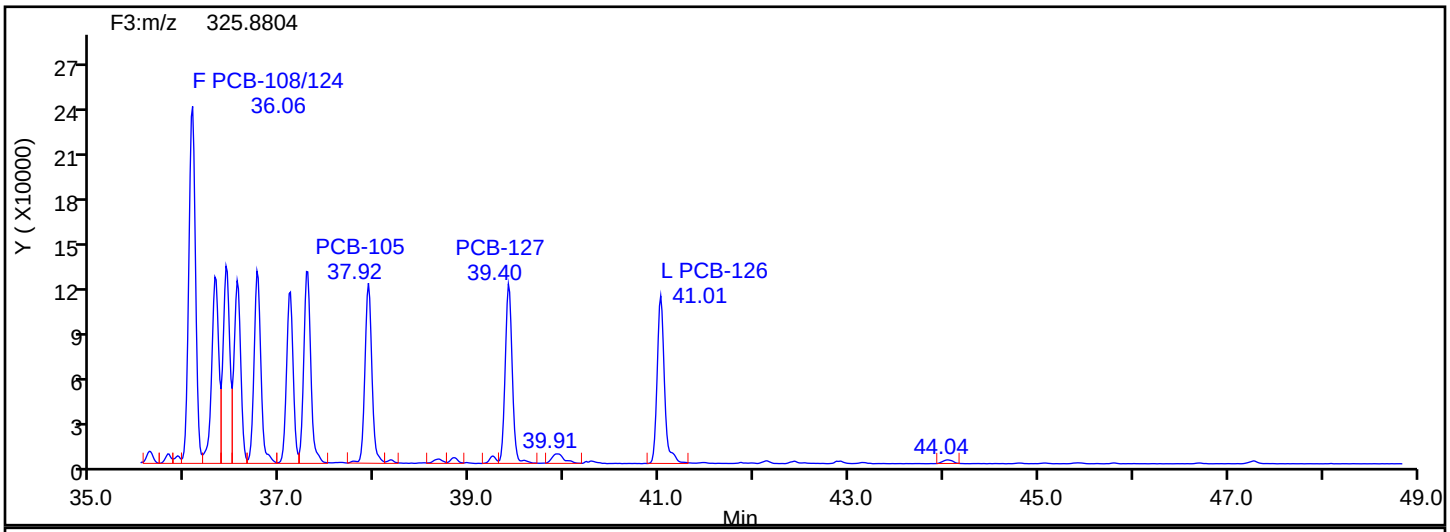
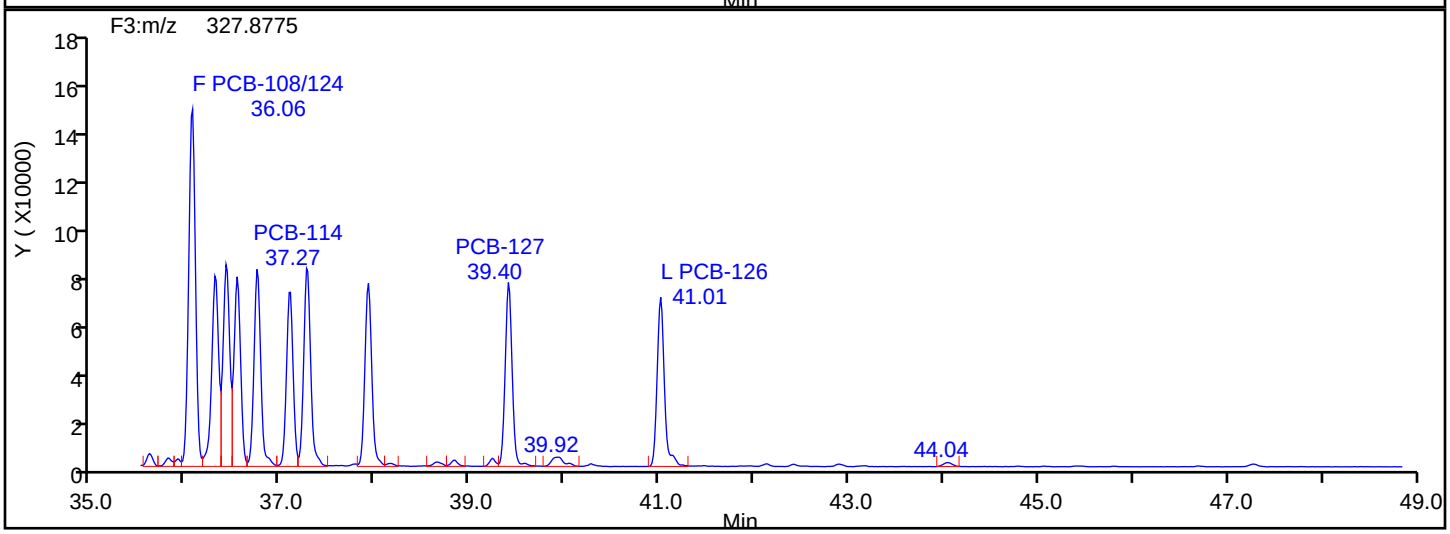
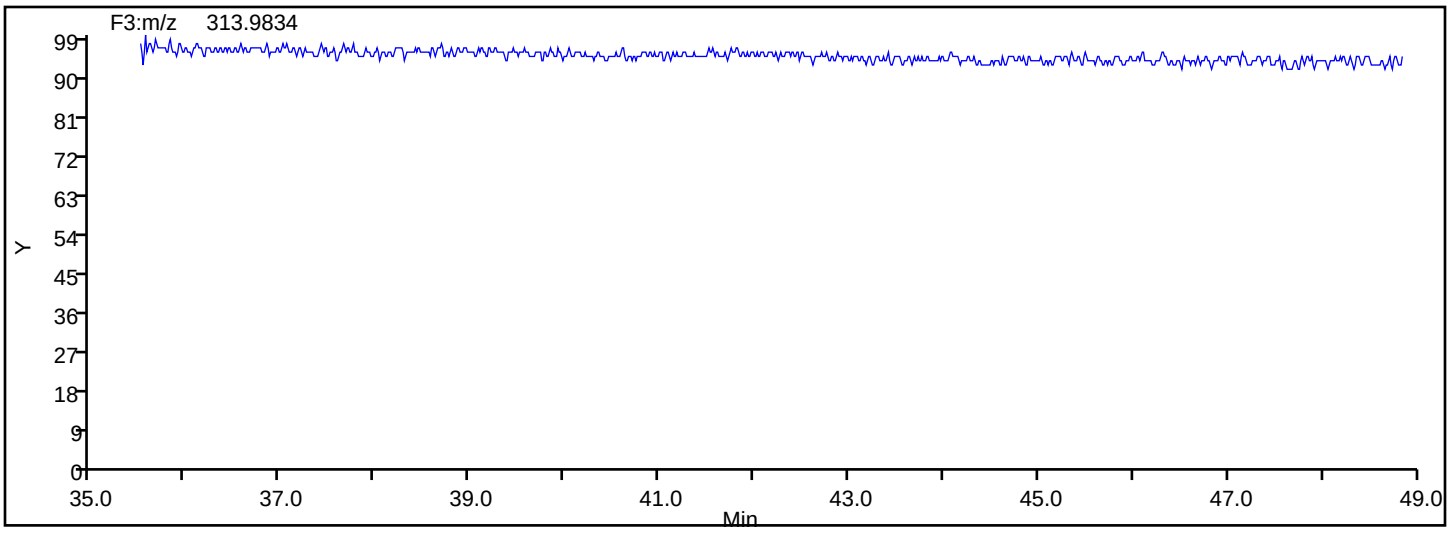
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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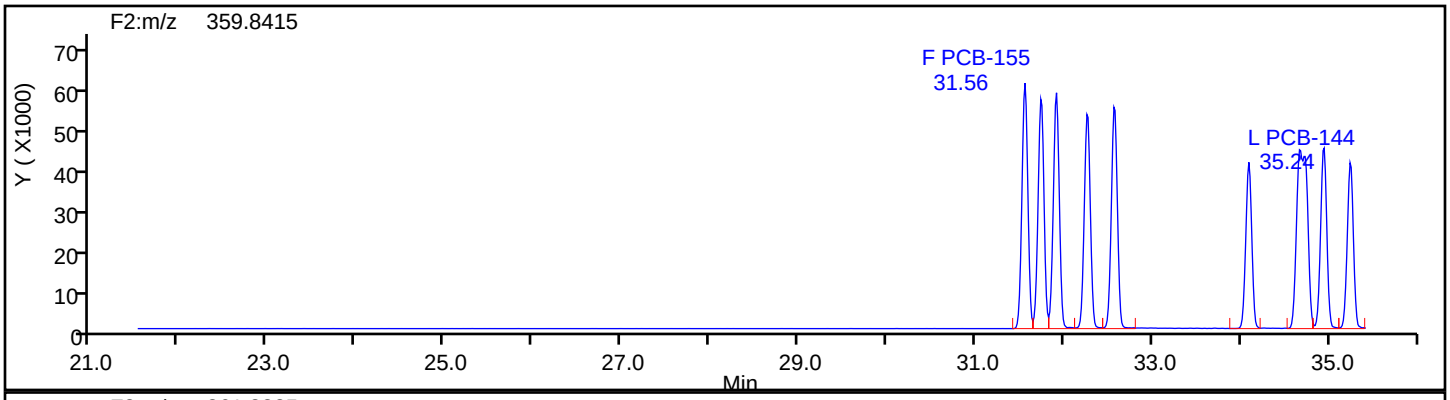
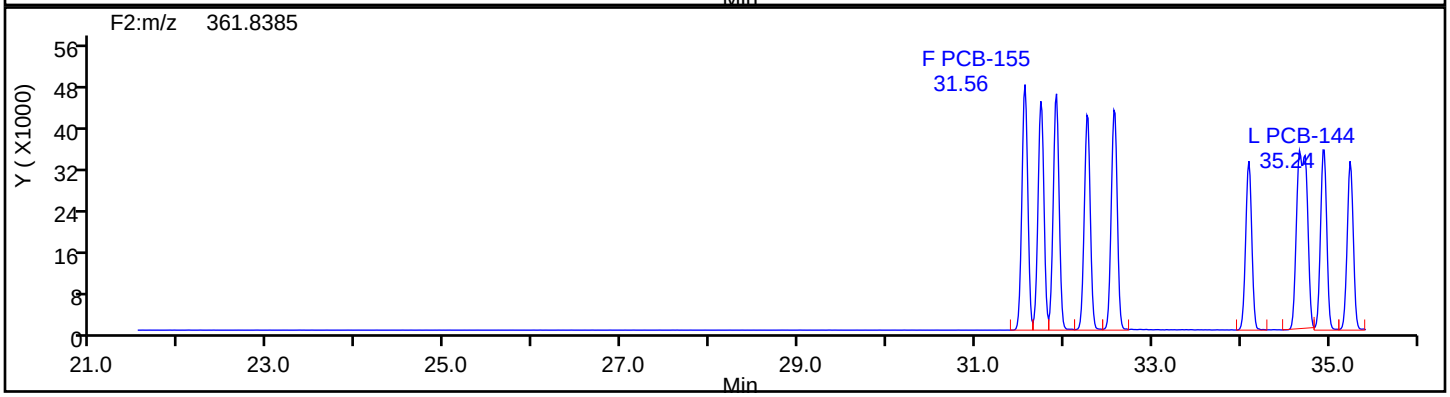
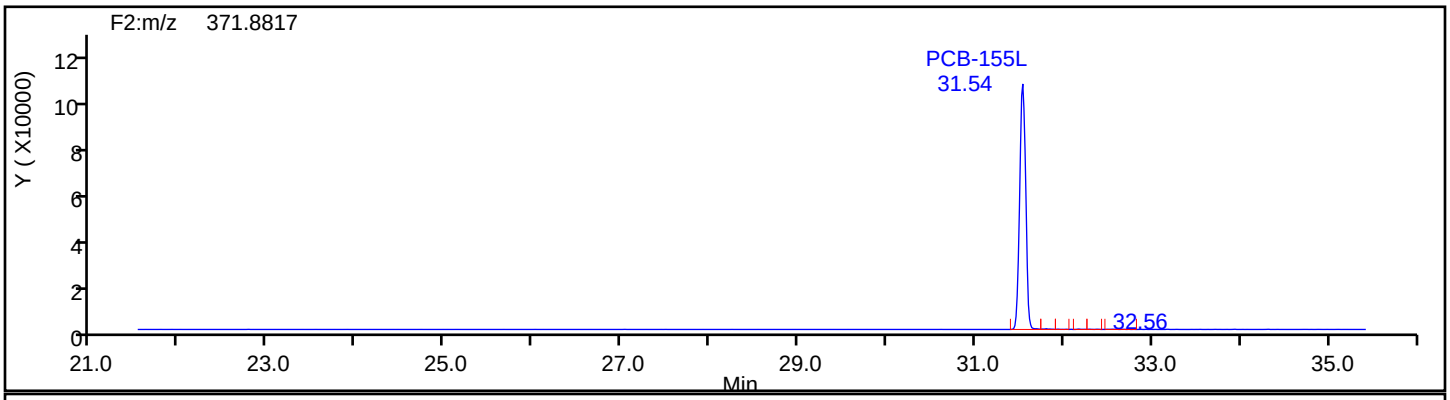
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

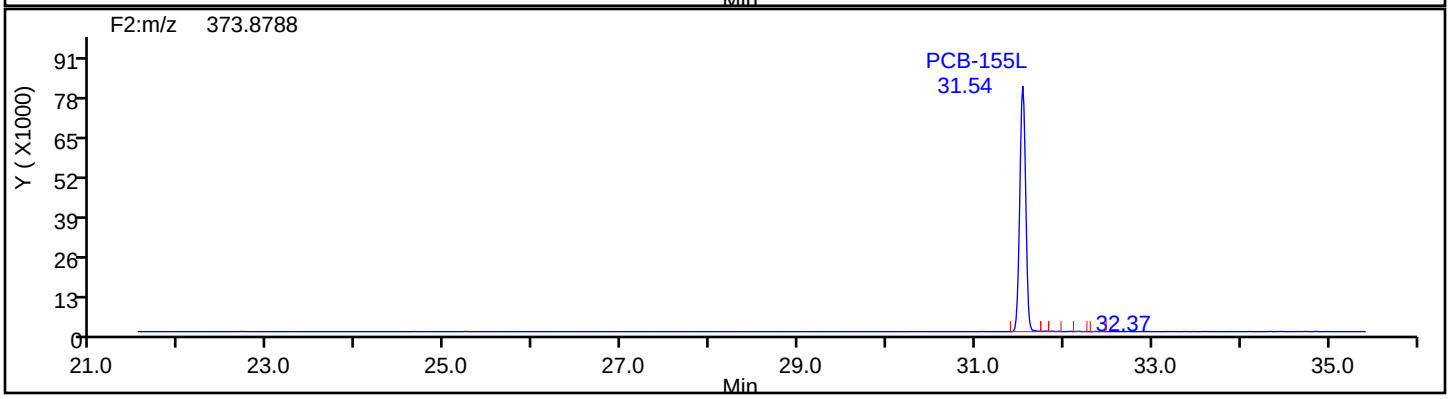
HxPCB F2




HxPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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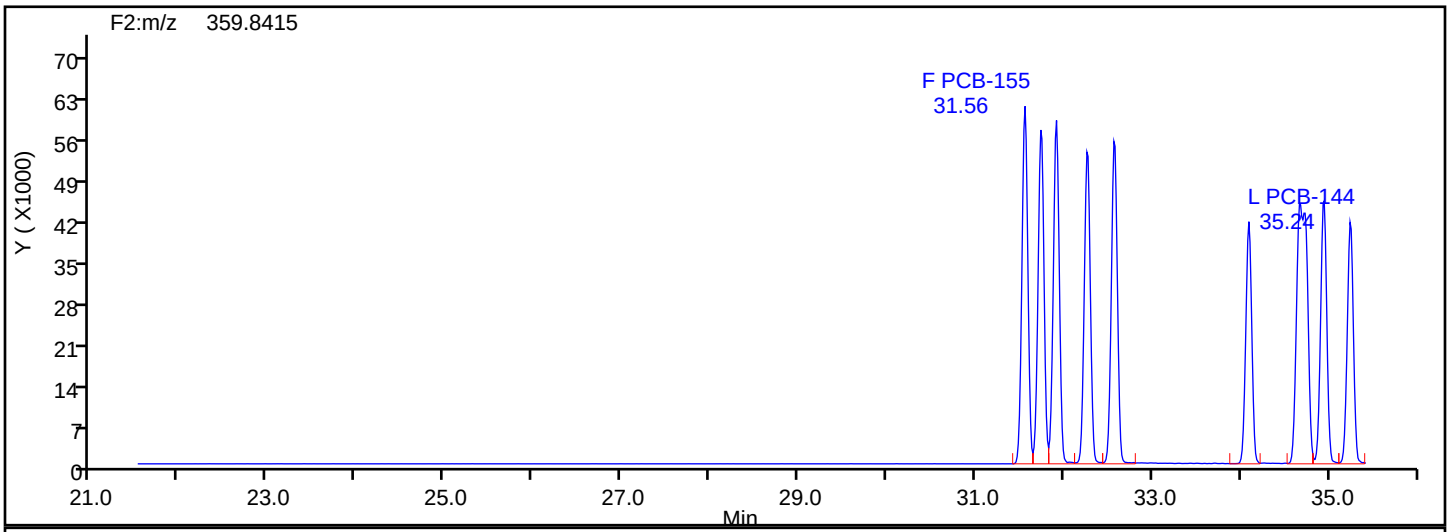
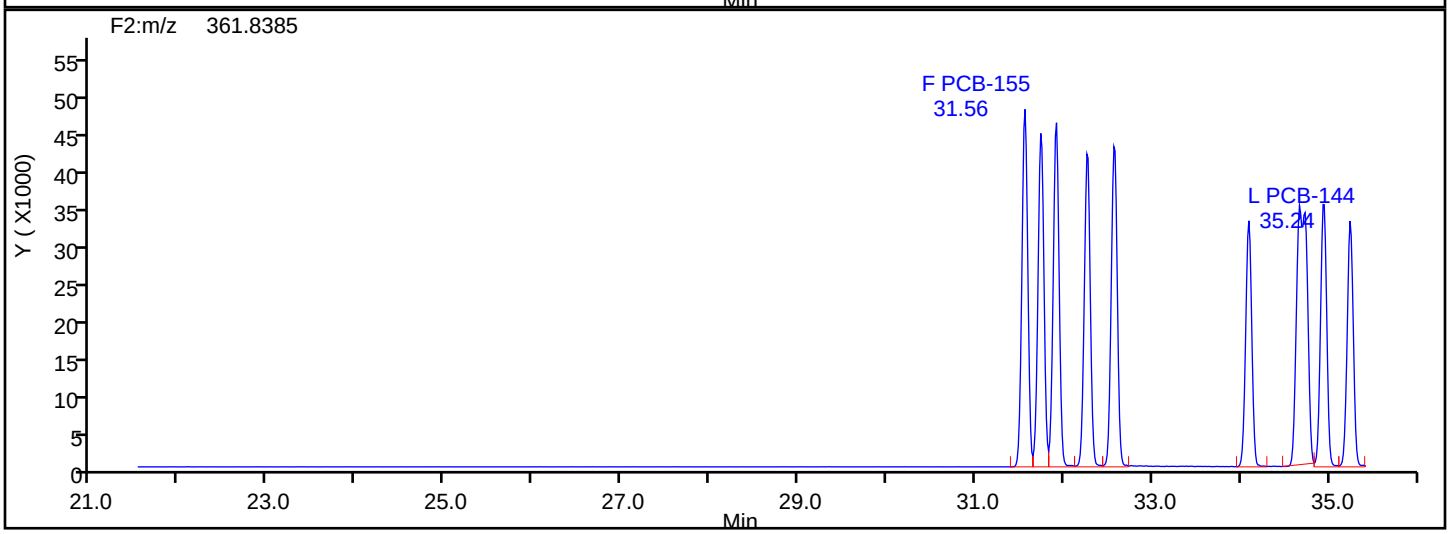
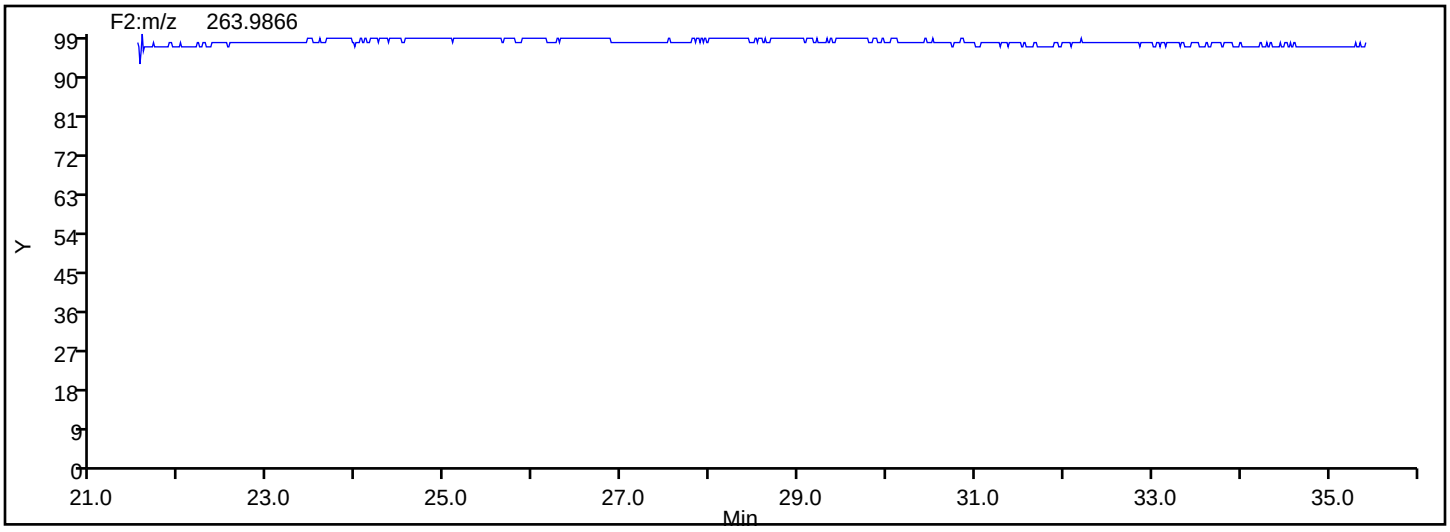
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

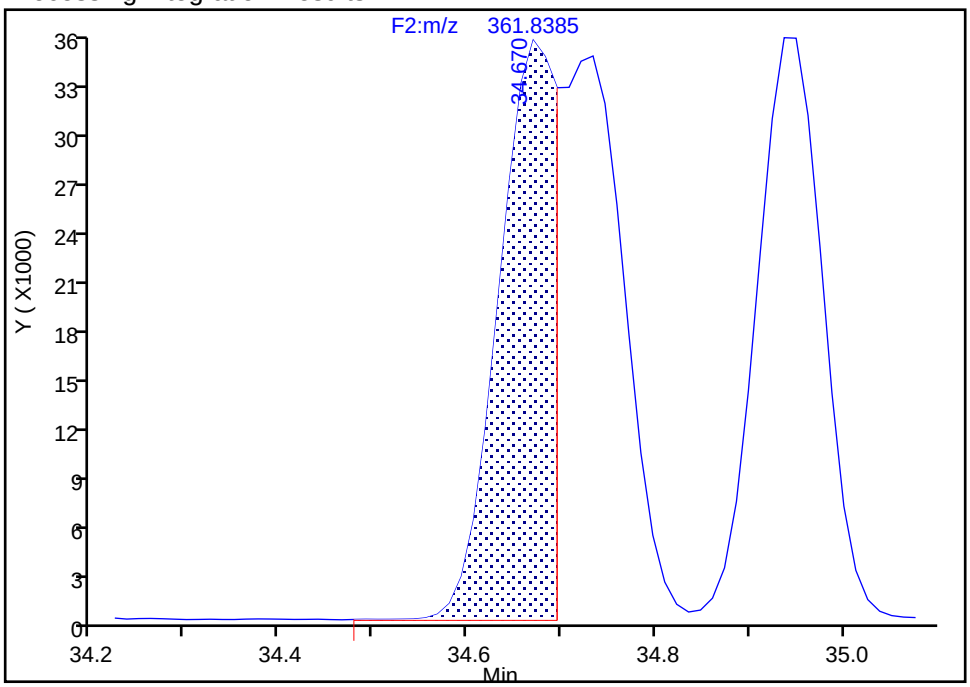
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d
Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

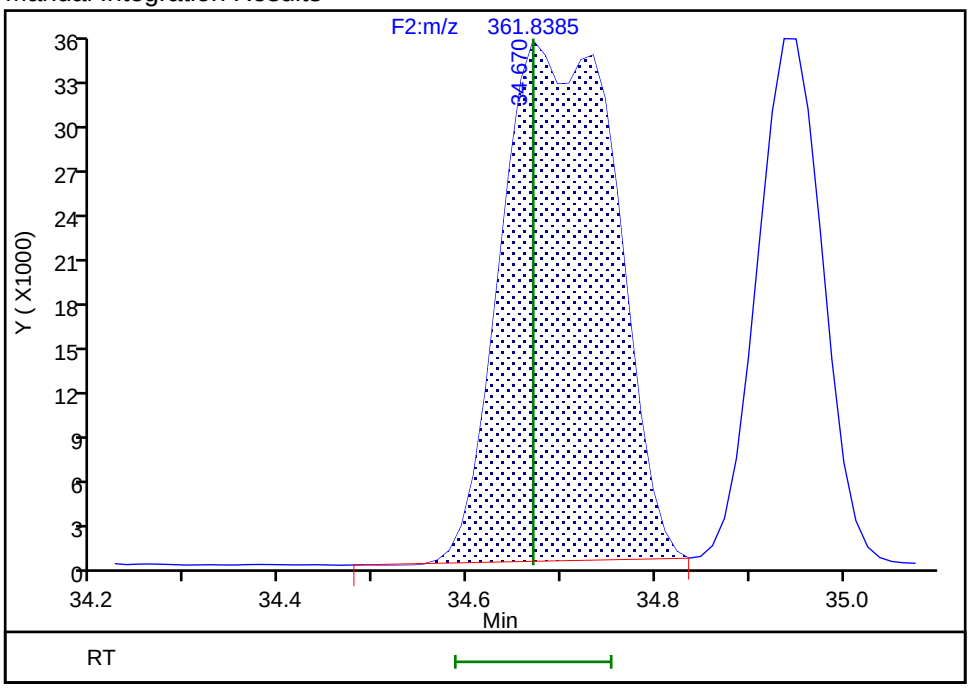
Processing Integration Results

RT: 34.67
Area: 141796
Amount: 70.121861
Amount Units: pg/ul




Manual Integration Results

RT: 34.67
Area: 295484
Amount: 90.681497
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:48:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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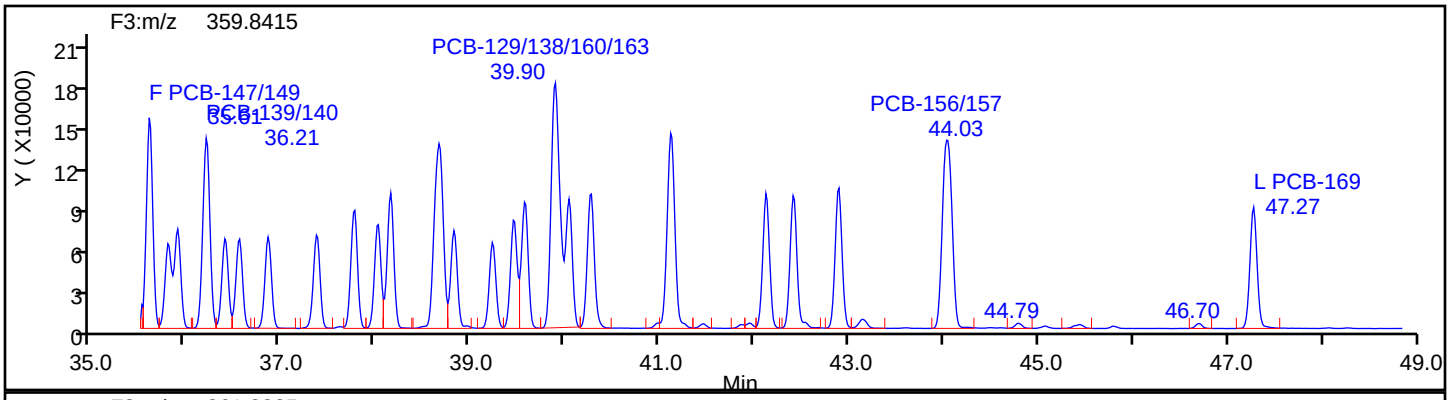
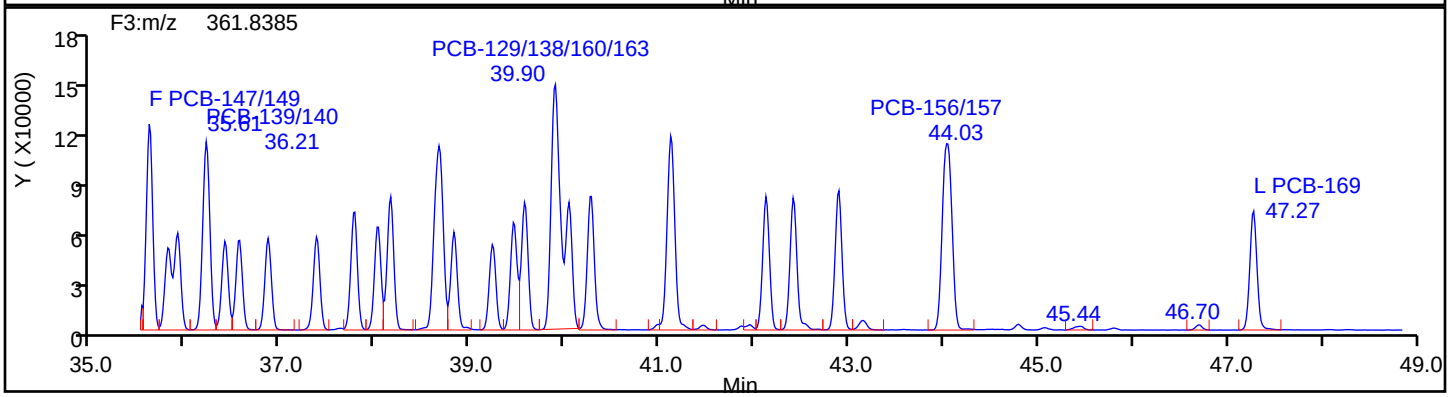
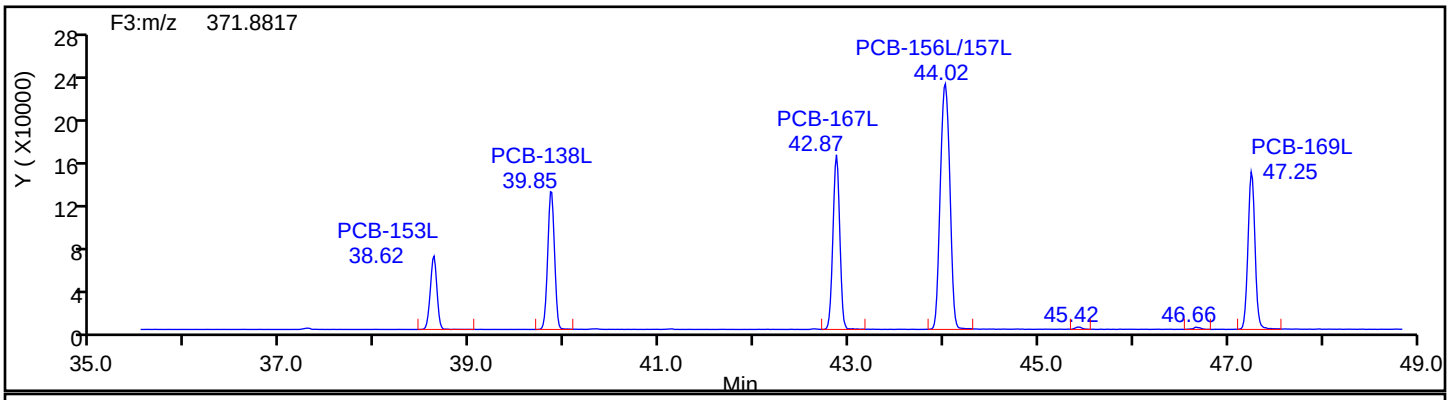
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

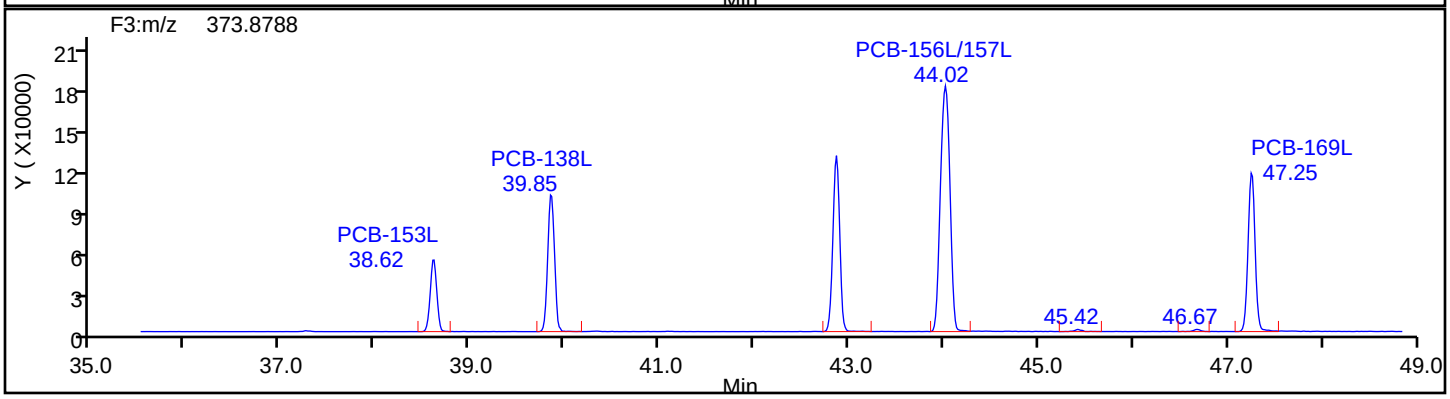
HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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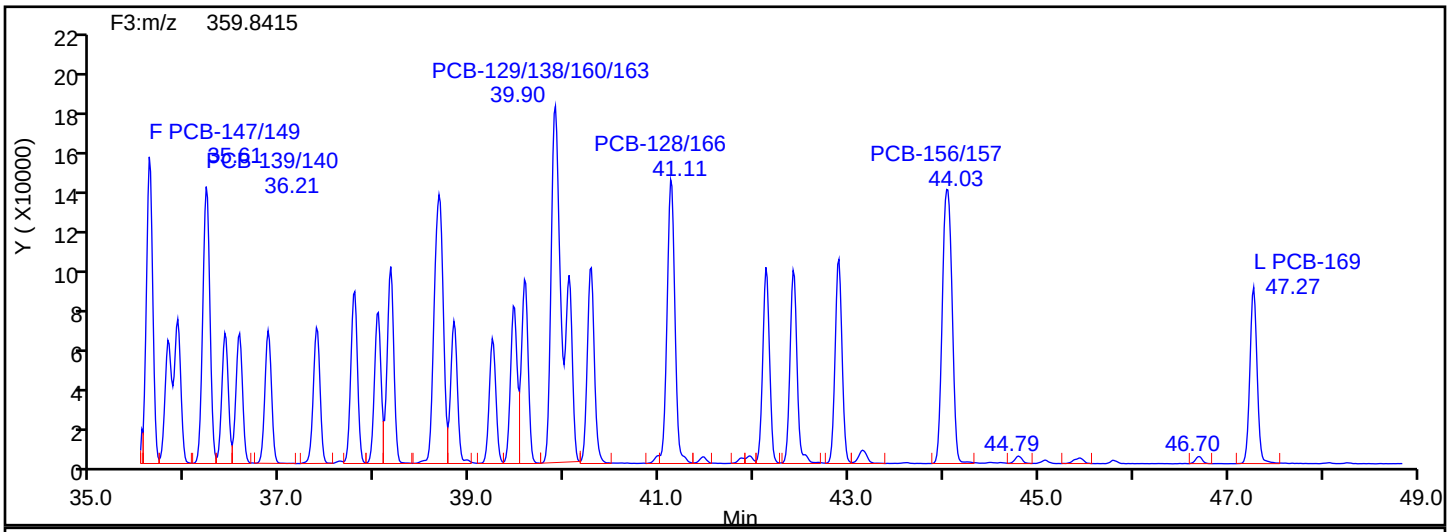
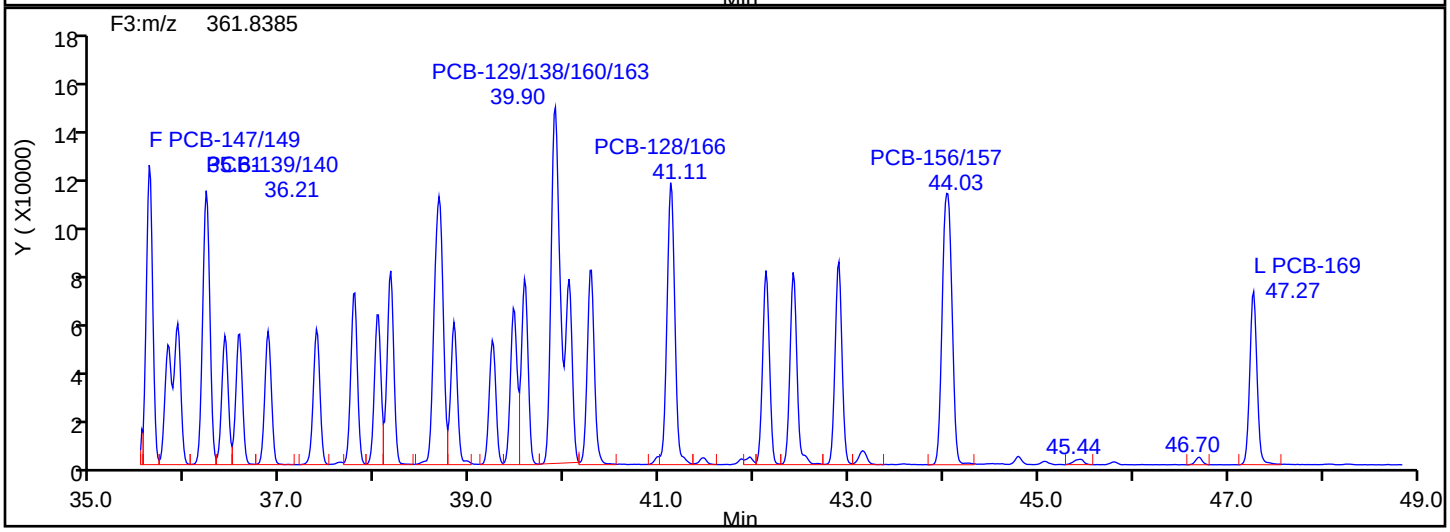
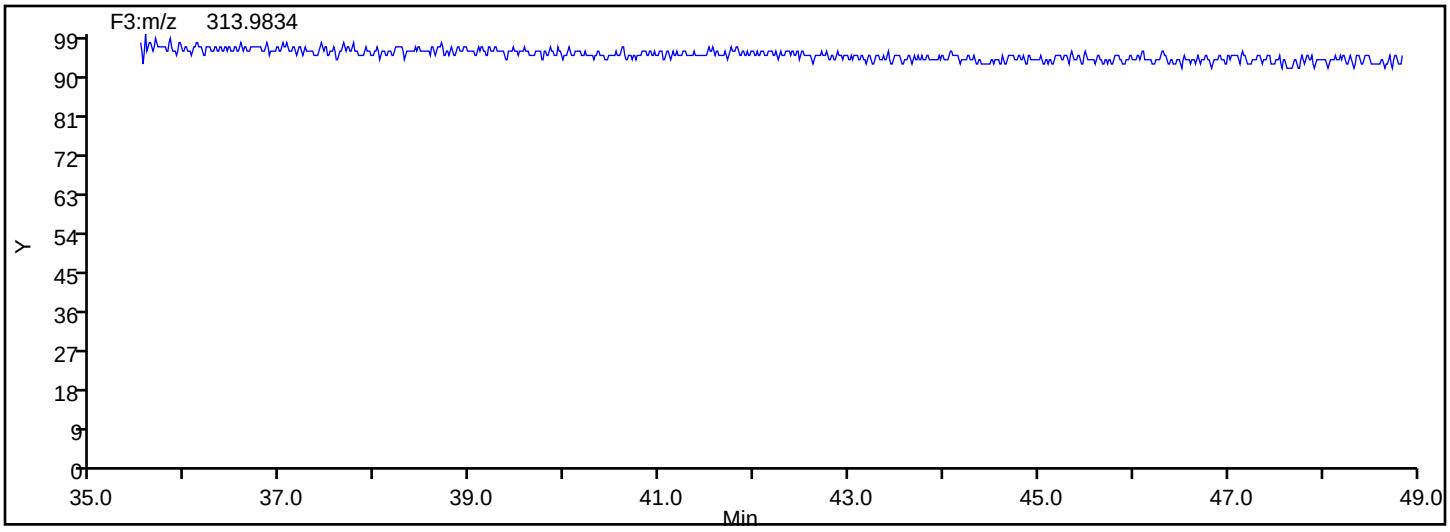
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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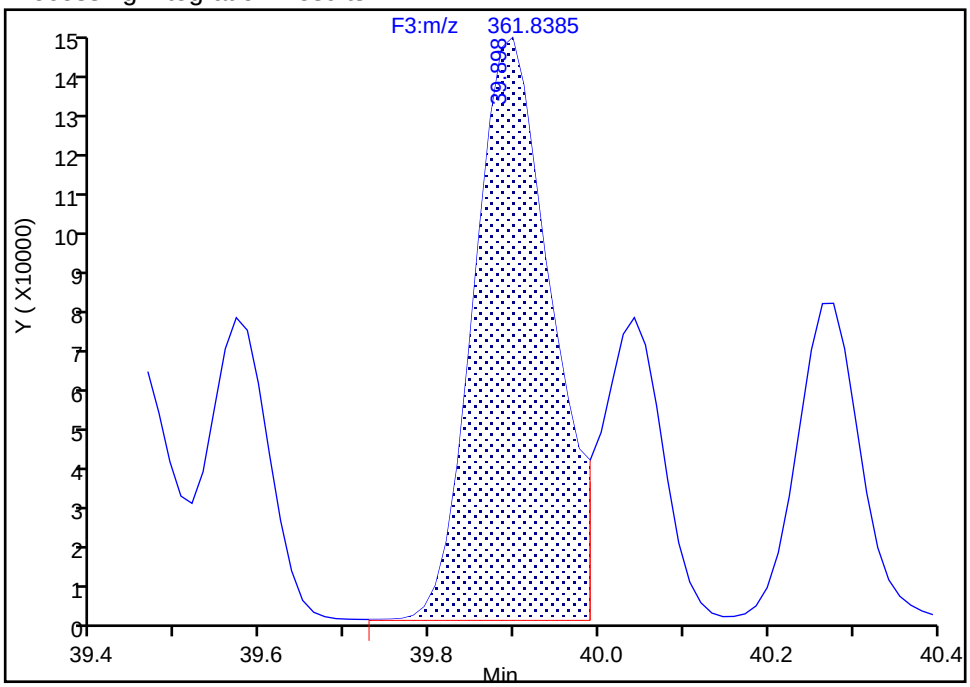
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

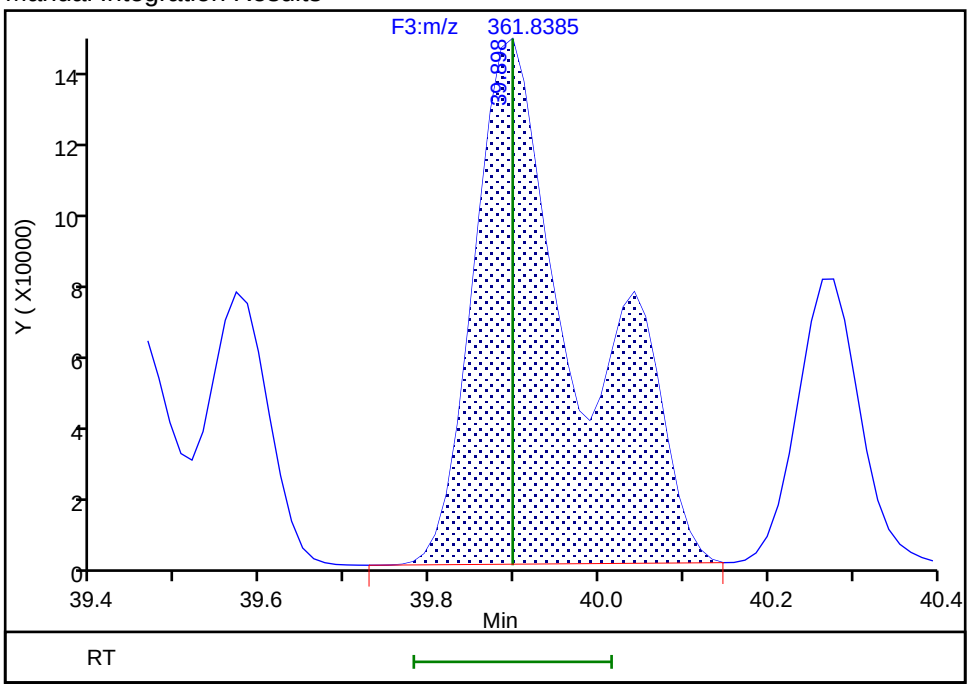
Processing Integration Results

RT: 39.90
Area: 905187
Amount: 131.3427
Amount Units: pg/ul




Manual Integration Results

RT: 39.90
Area: 1250884
Amount: 182.2374
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:48:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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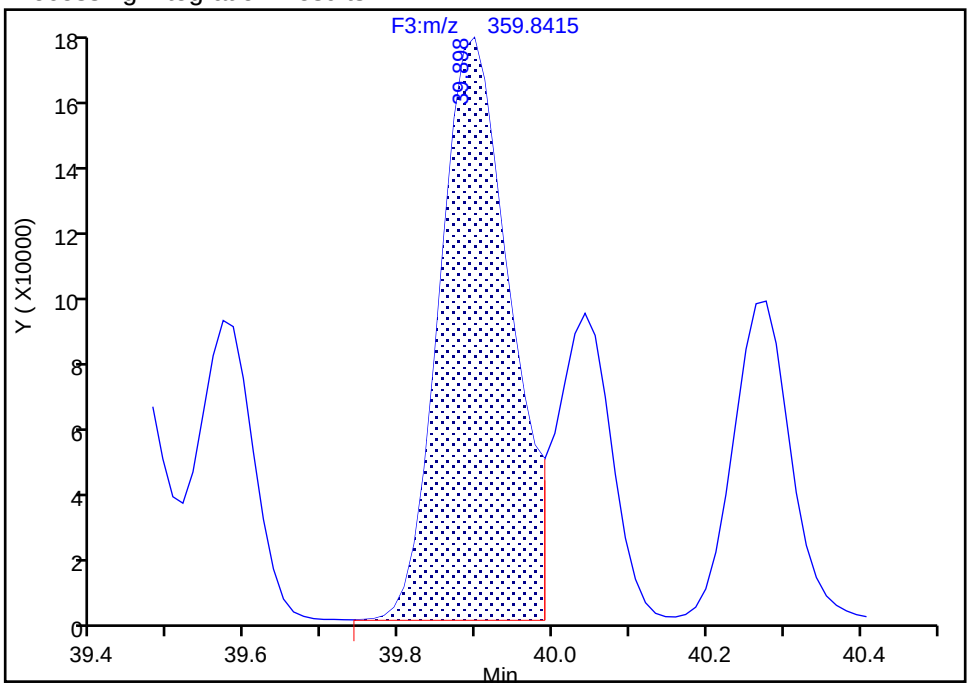
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

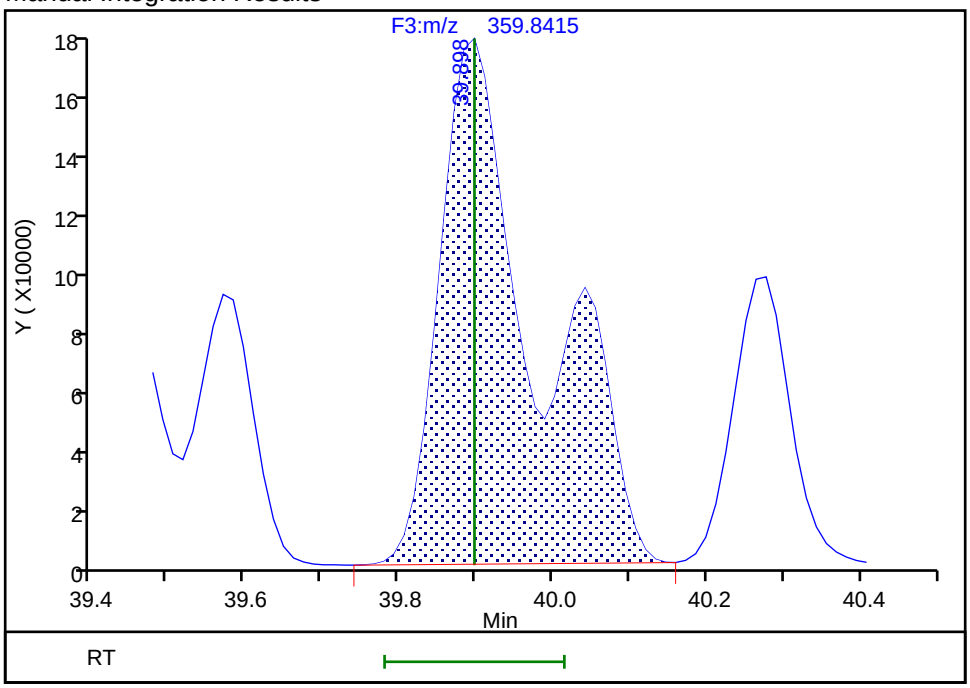
Processing Integration Results

RT: 39.90
Area: 1137397
Amount: 131.3427
Amount Units: pg/ul




Manual Integration Results

RT: 39.90
Area: 1583192
Amount: 182.2374
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:48:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
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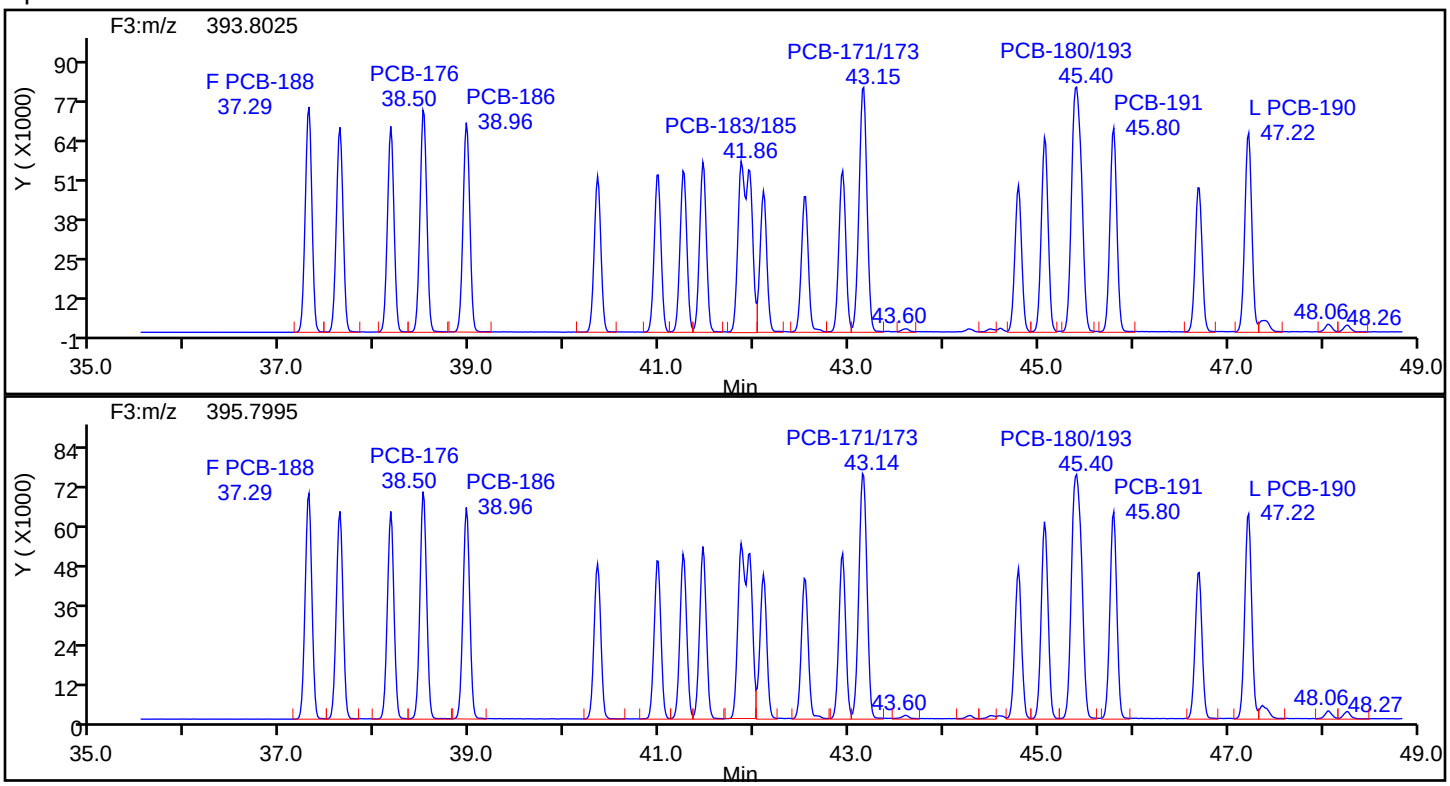
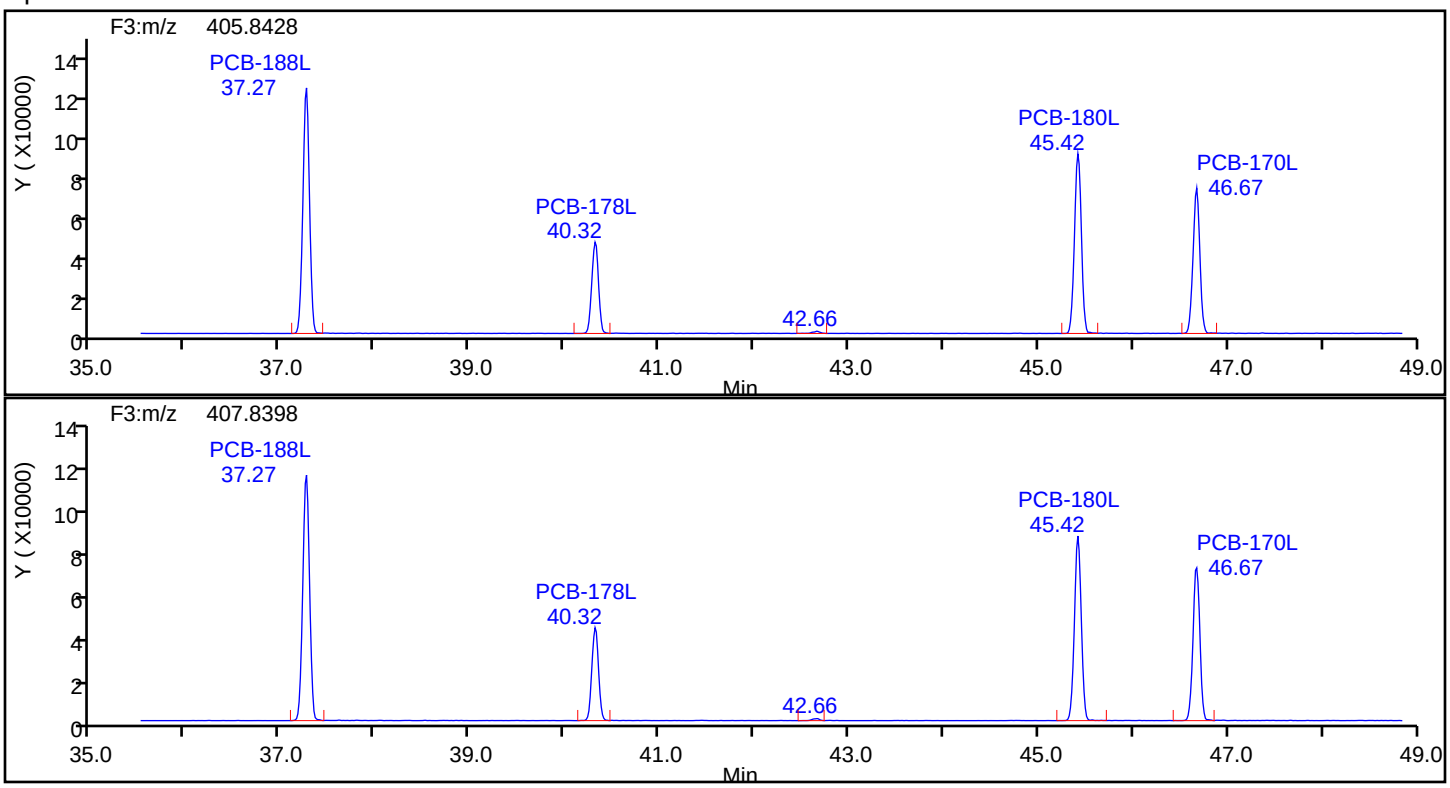
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



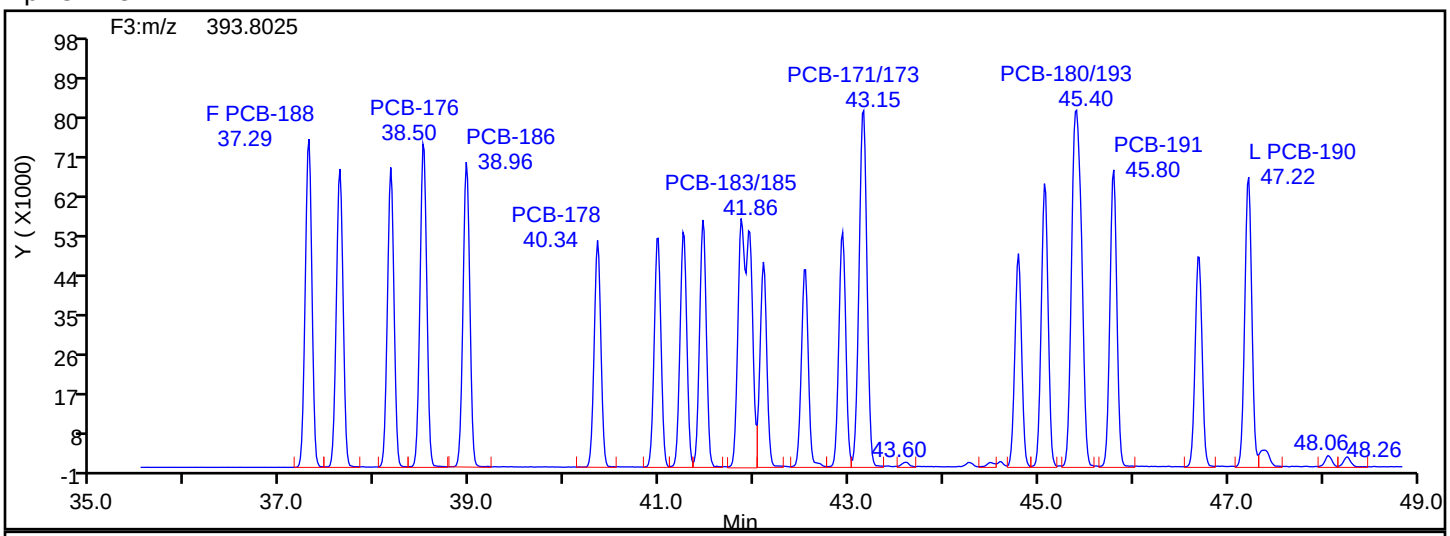

HpPCB F3 Standards

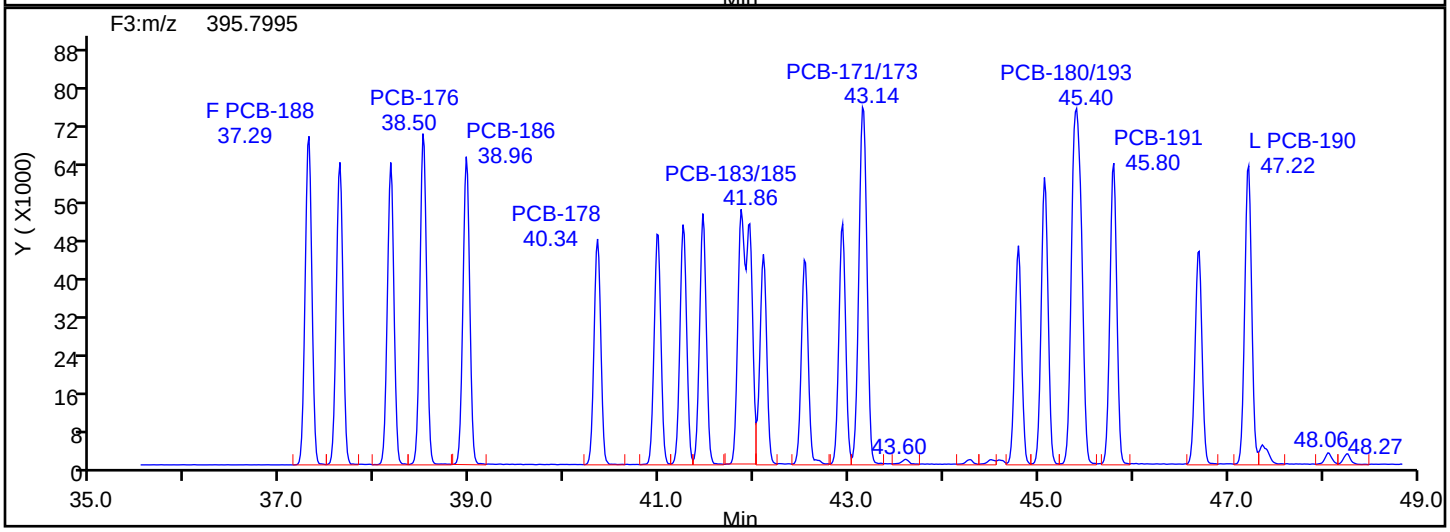


Eurofins TestAmerica, Knoxville

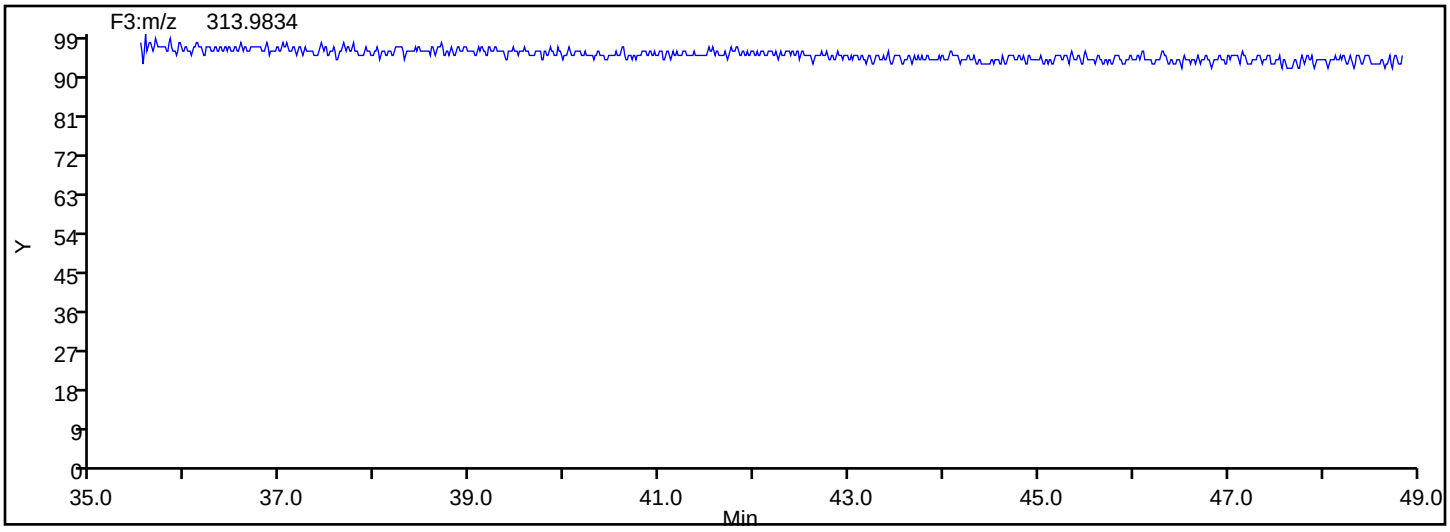
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\d4190924s1.d | | |
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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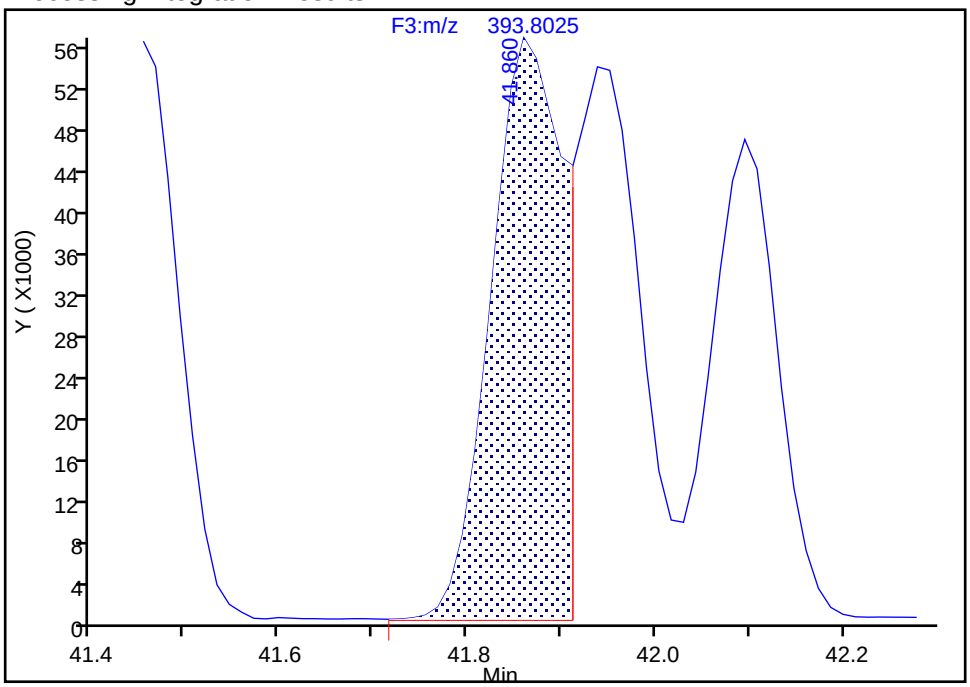
| Injection Date: | 24-Sep-2019 12:38:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

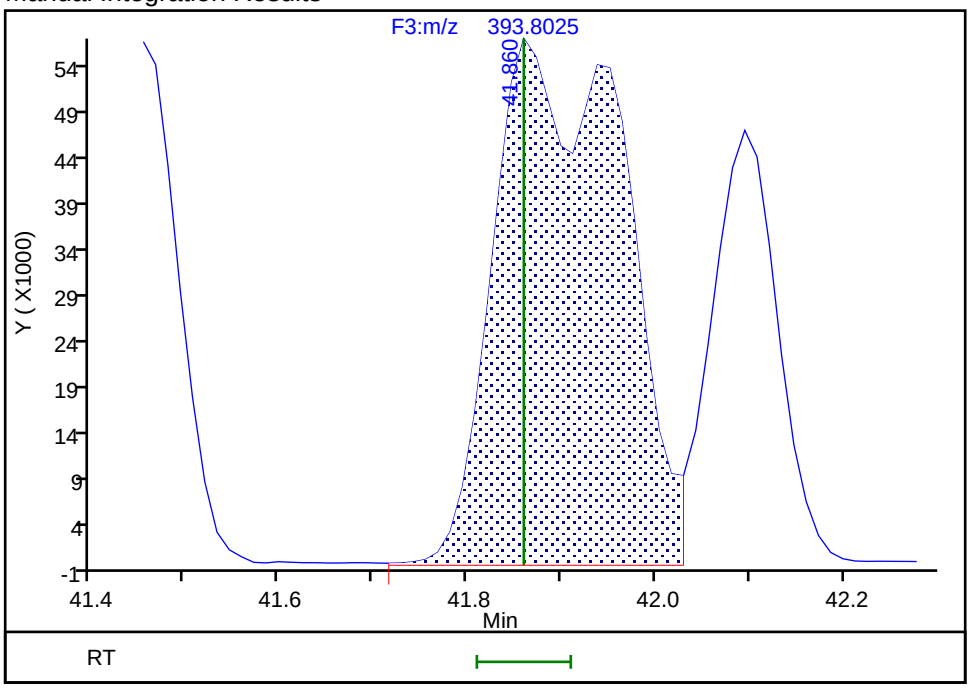
Processing Integration Results

RT: 41.86
Area: 295143
Amount: 54.963257
Amount Units: pg/ul




Manual Integration Results

RT: 41.86
Area: 544359
Amount: 99.732864
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:49:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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Injection Date: 24-Sep-2019 12:38:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 2

Processing Integration Results

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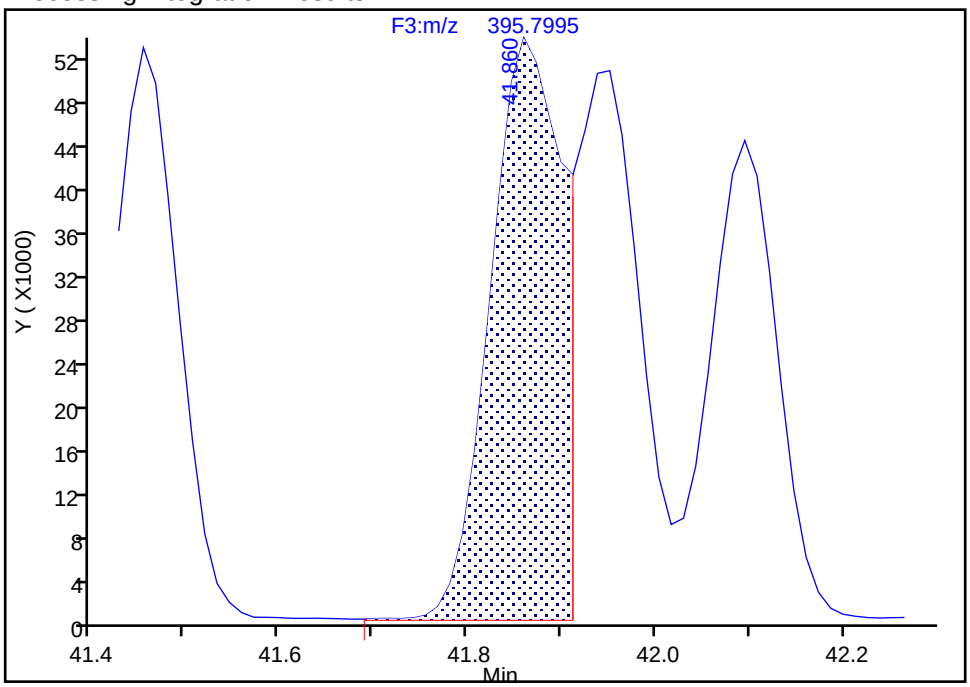
Amount: 54.963257
Amount Units: pg/ul




Manual Integration Results

RT: 41.86
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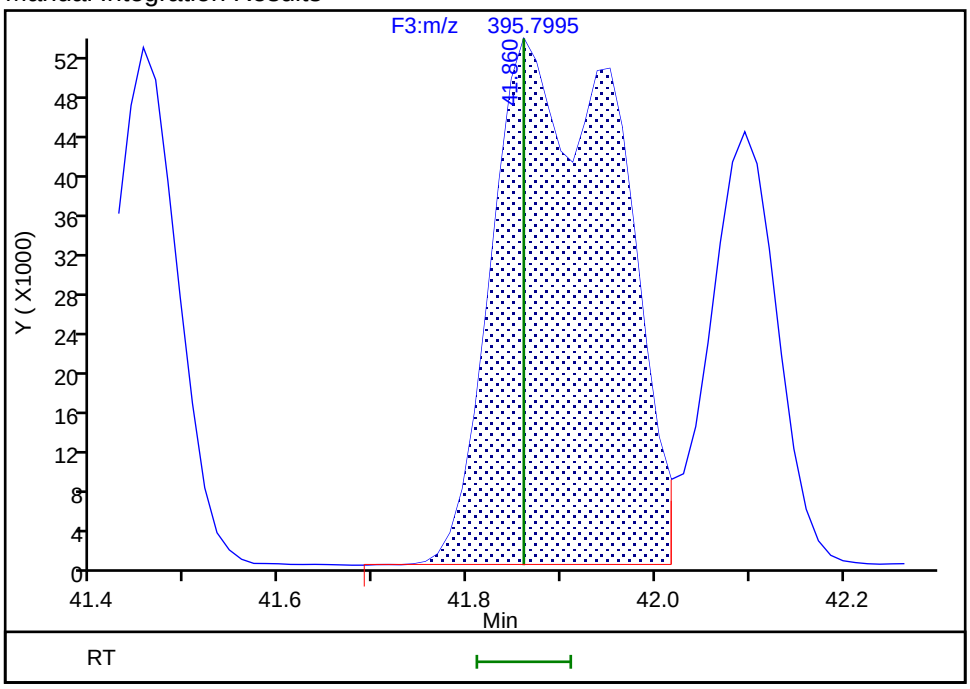
Amount: 99.732864
Amount Units: pg/ul




Reviewer: layk, 24-Sep-2019 13:50:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 24-Sep-2019 13:55:37 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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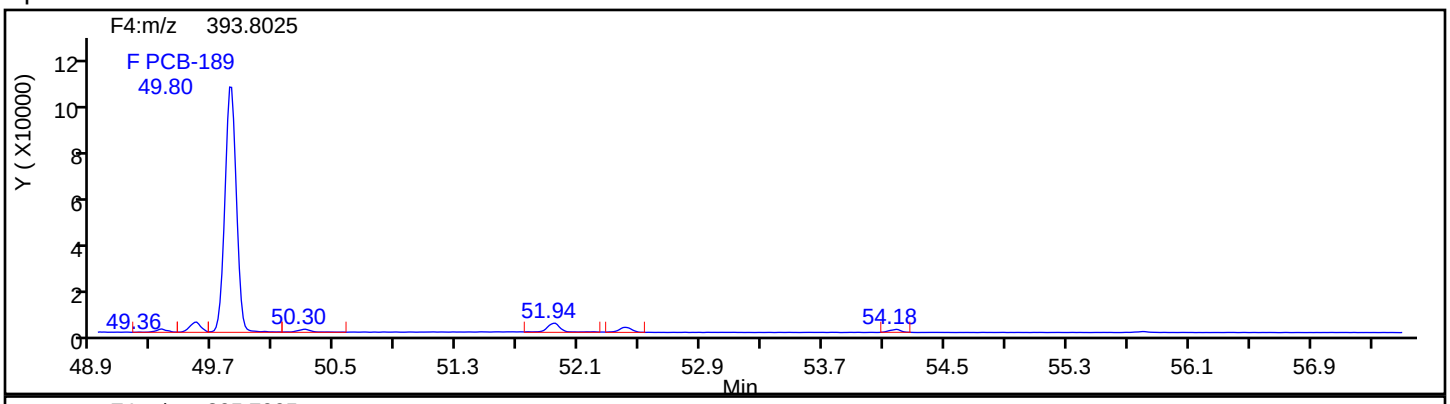
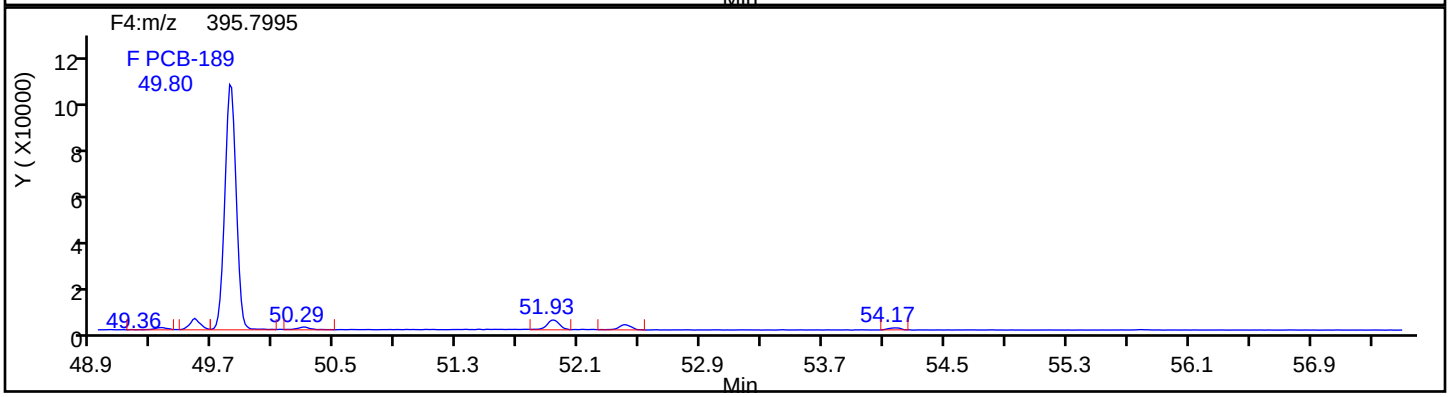
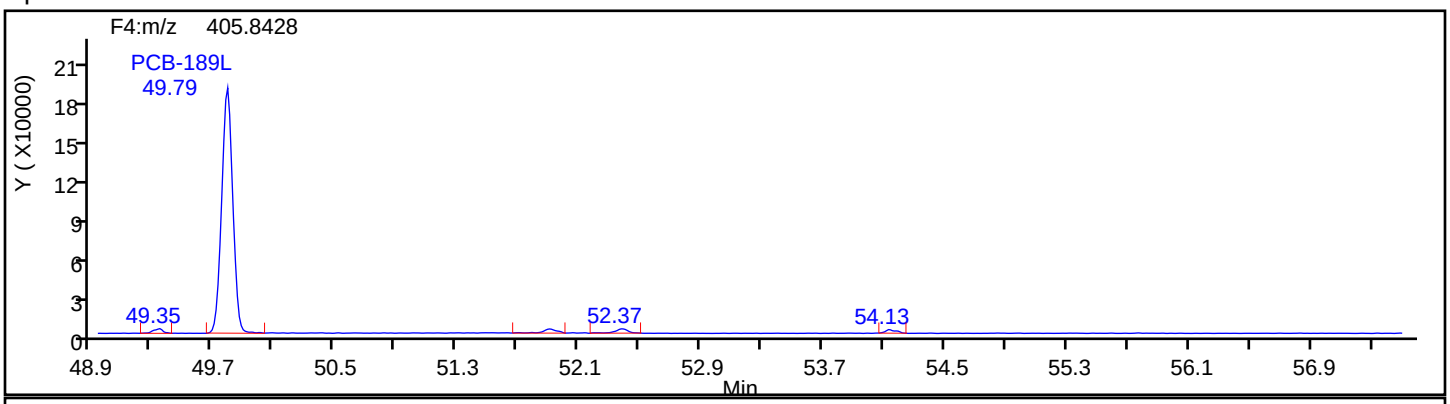
|---|---|---|---|
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

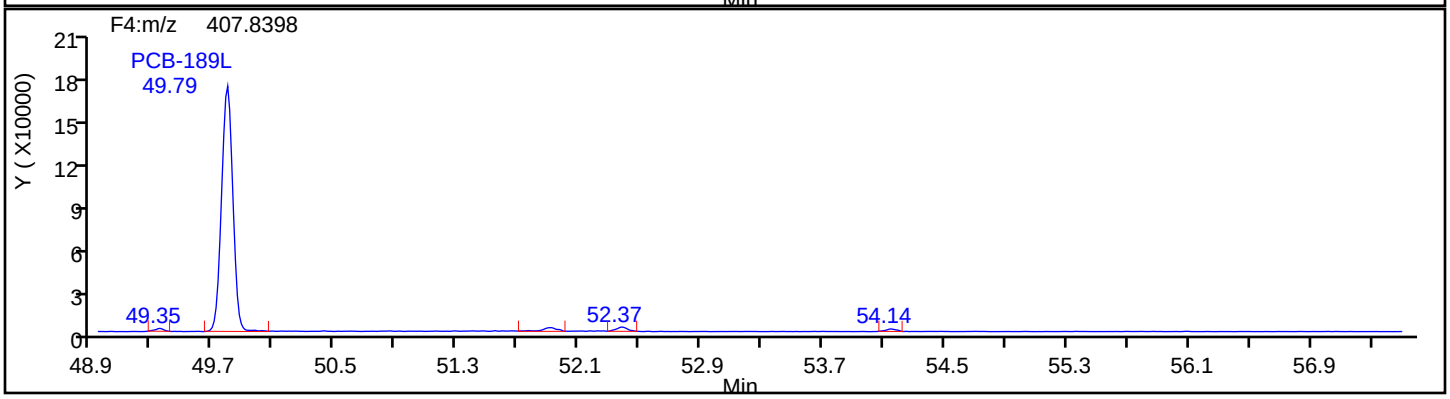
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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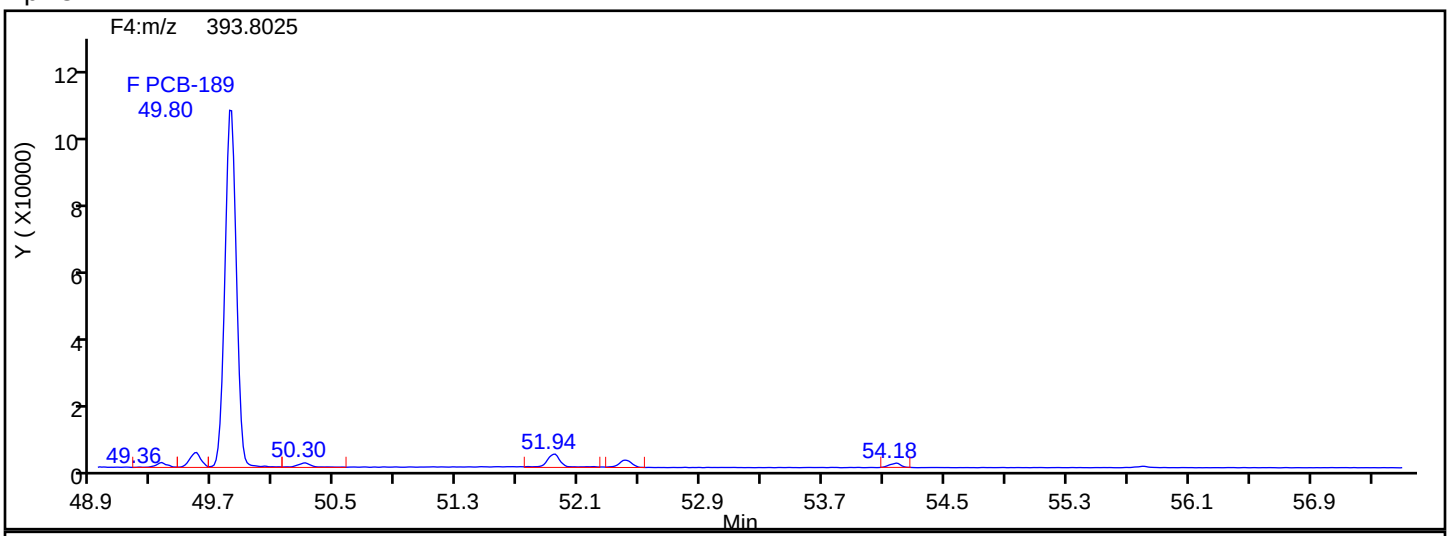
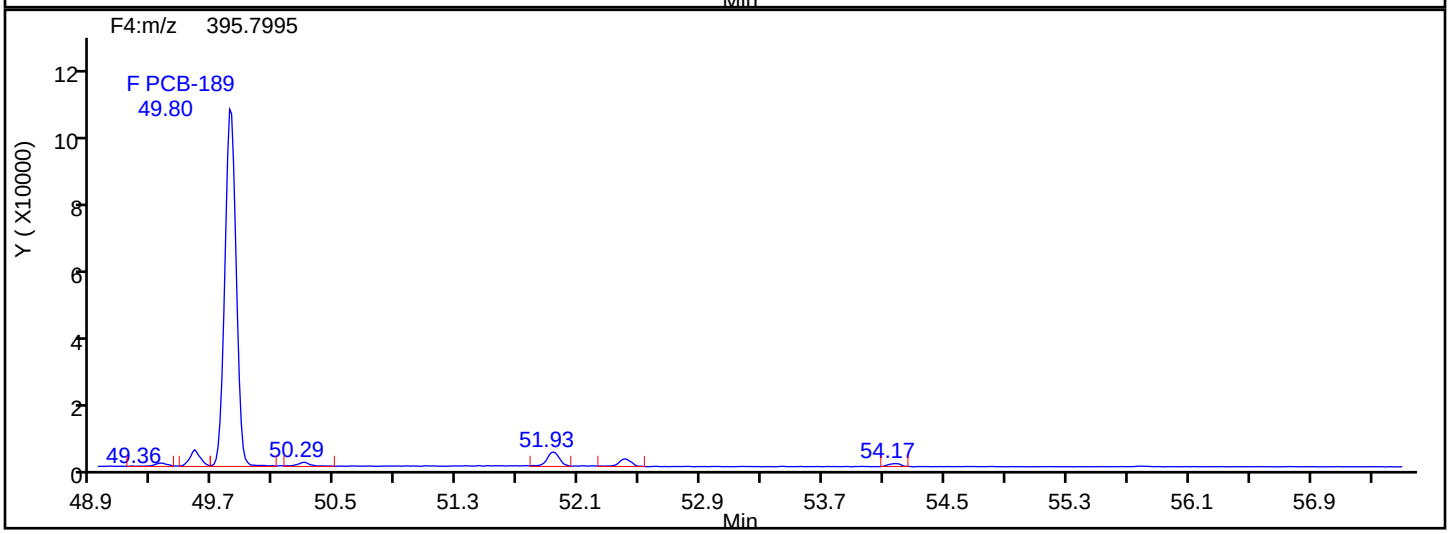
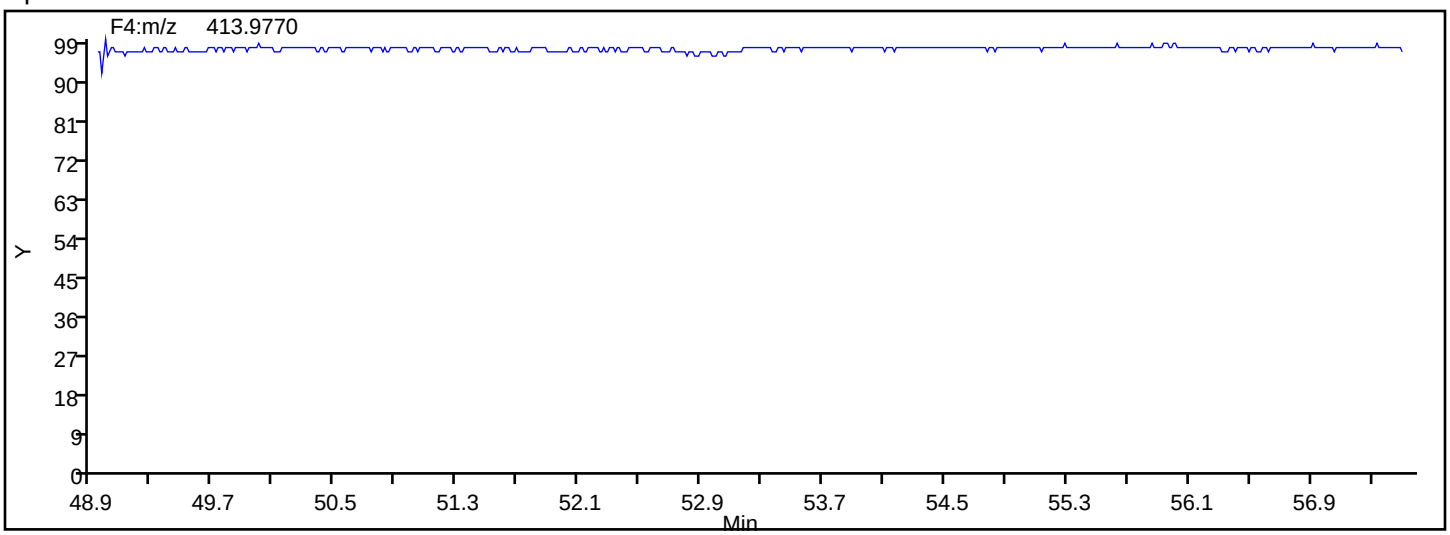
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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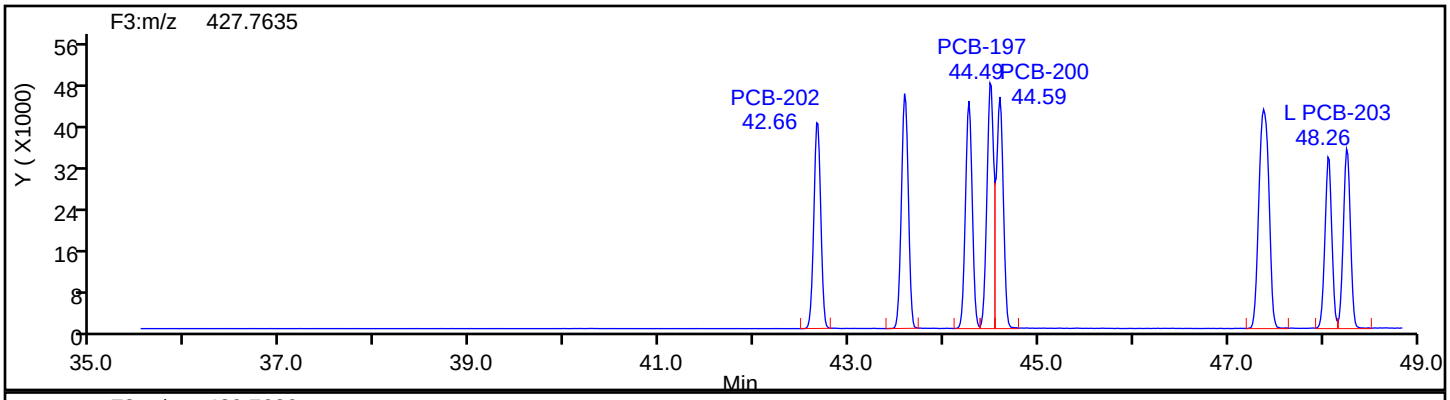
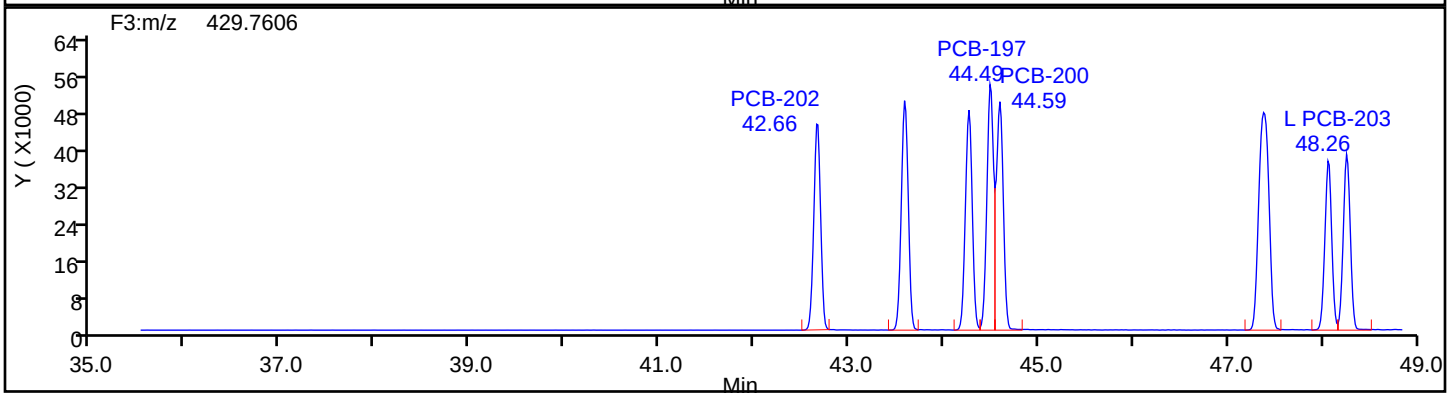
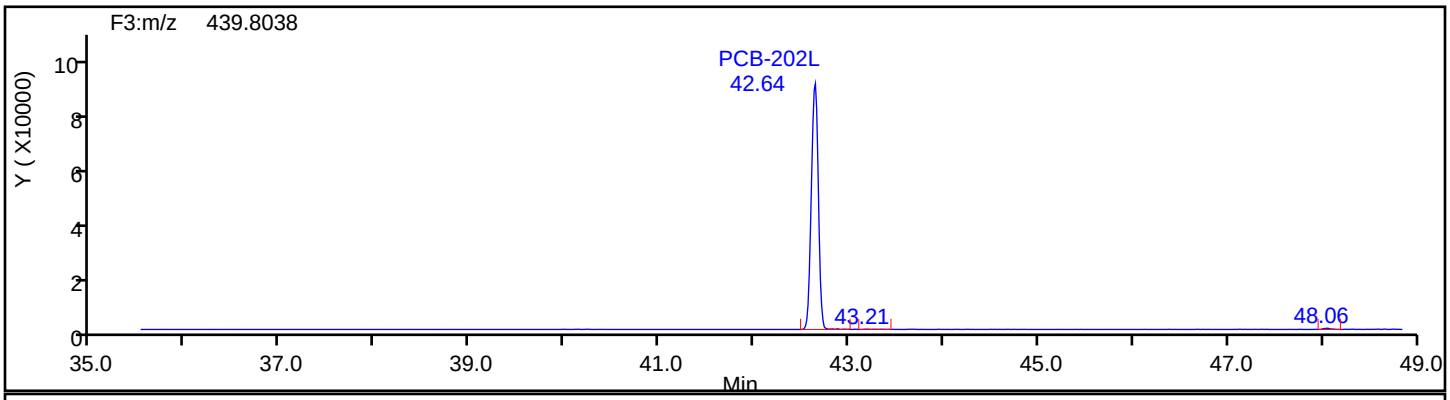
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

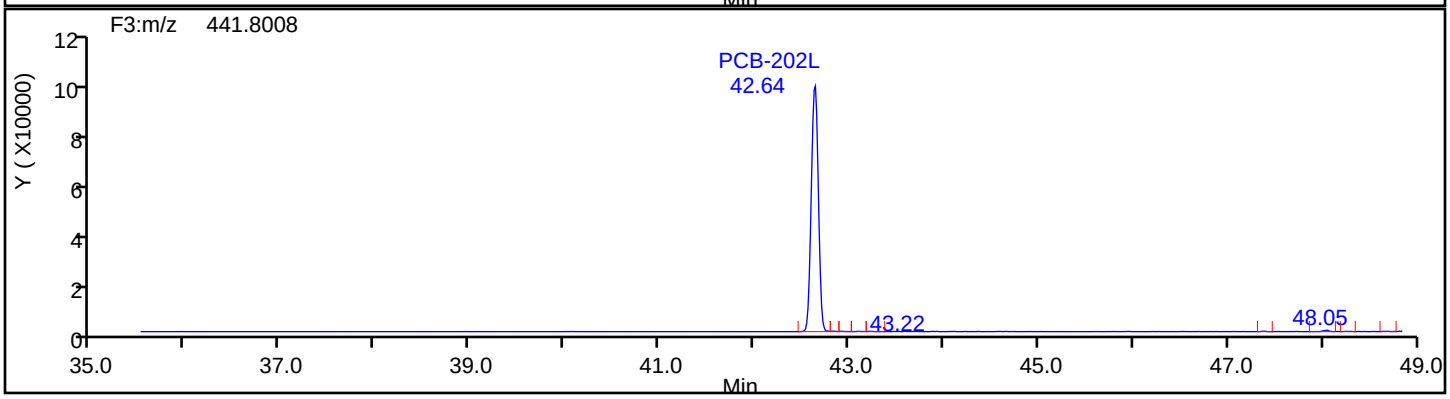
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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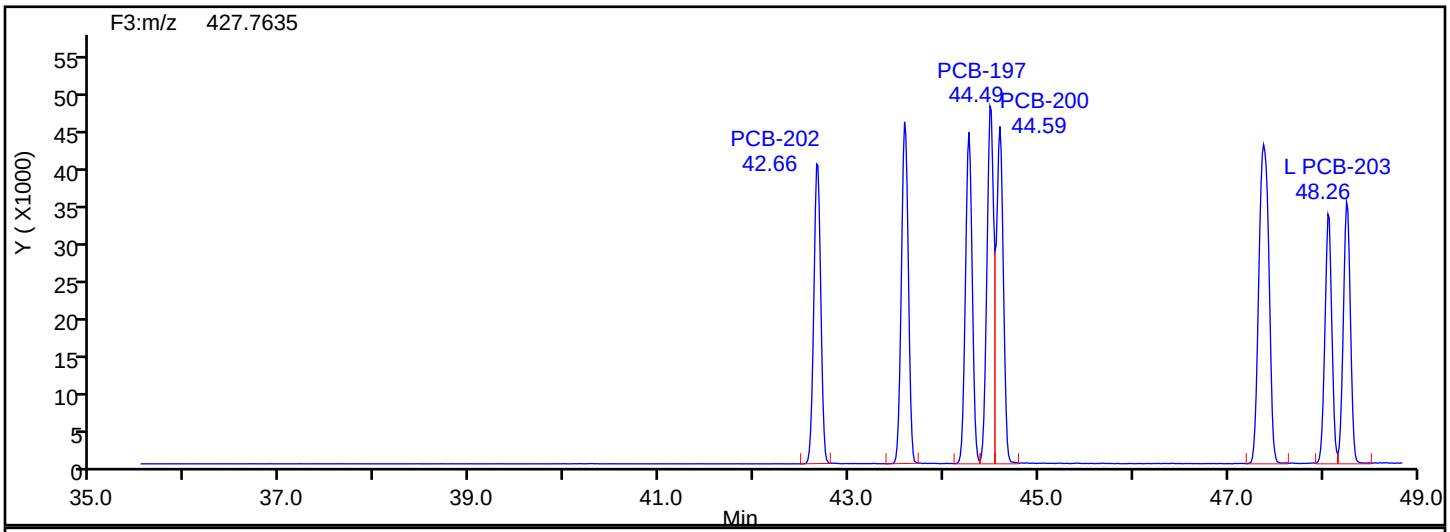
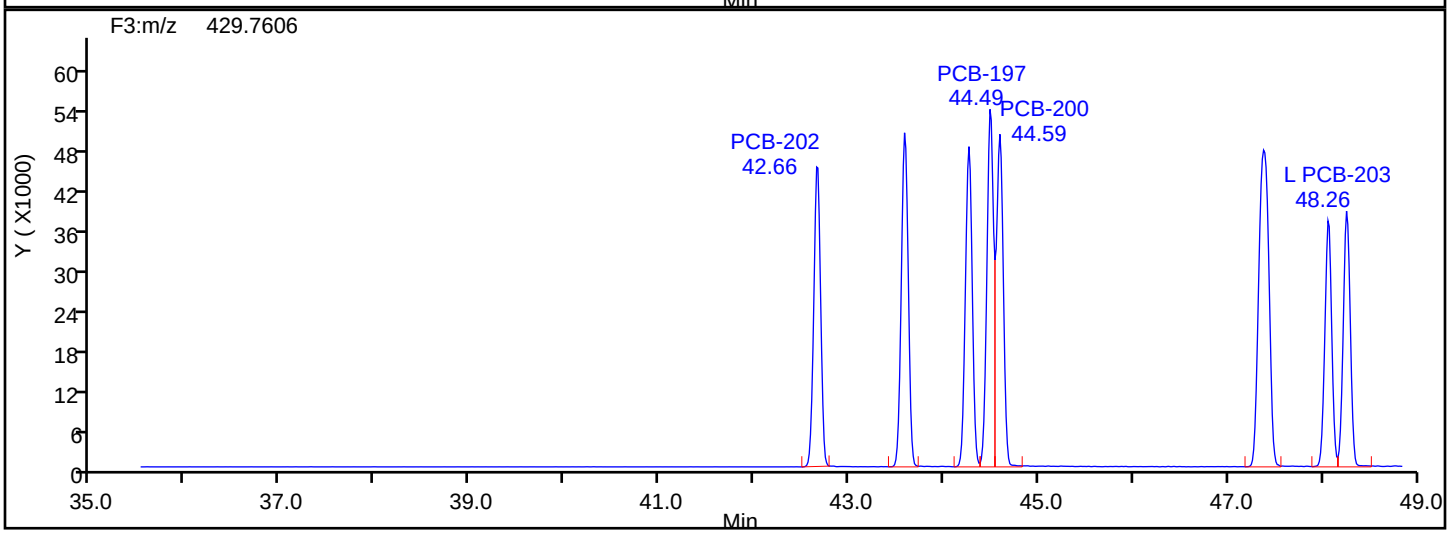
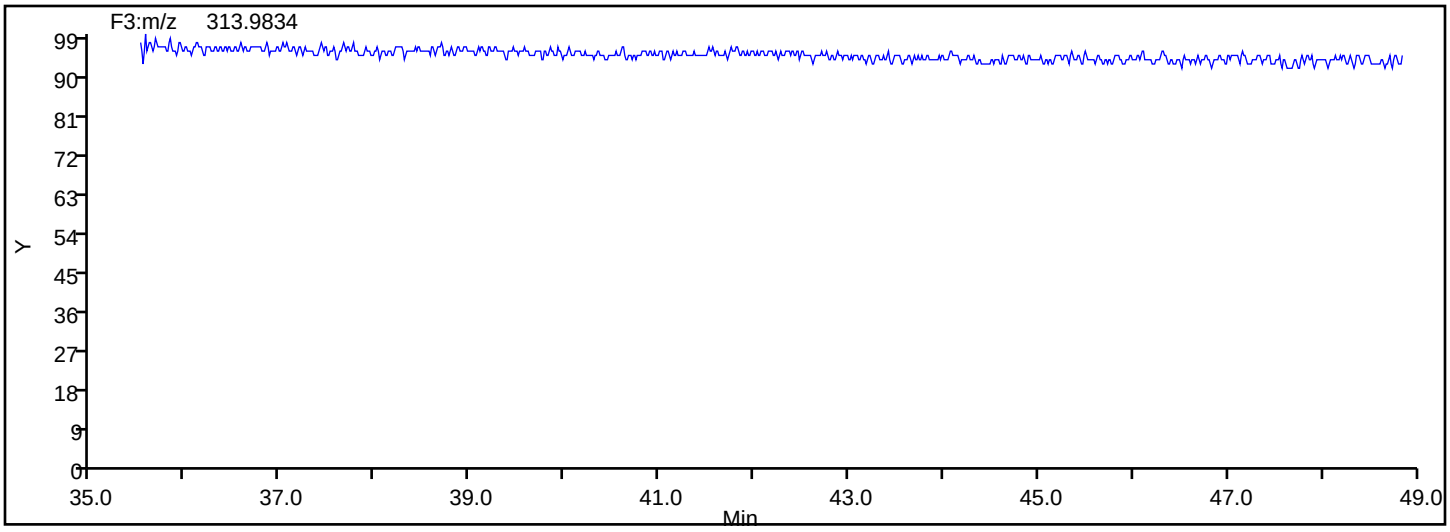
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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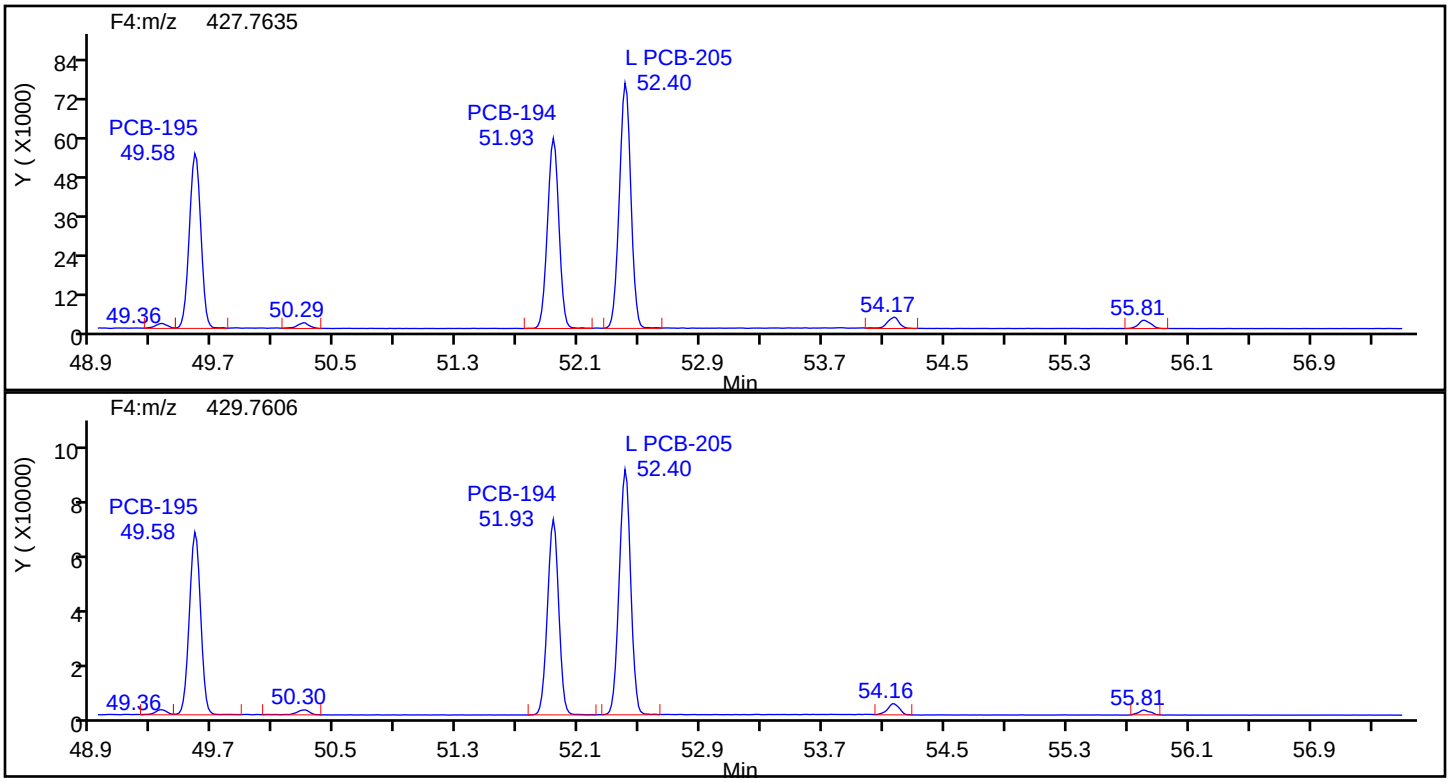
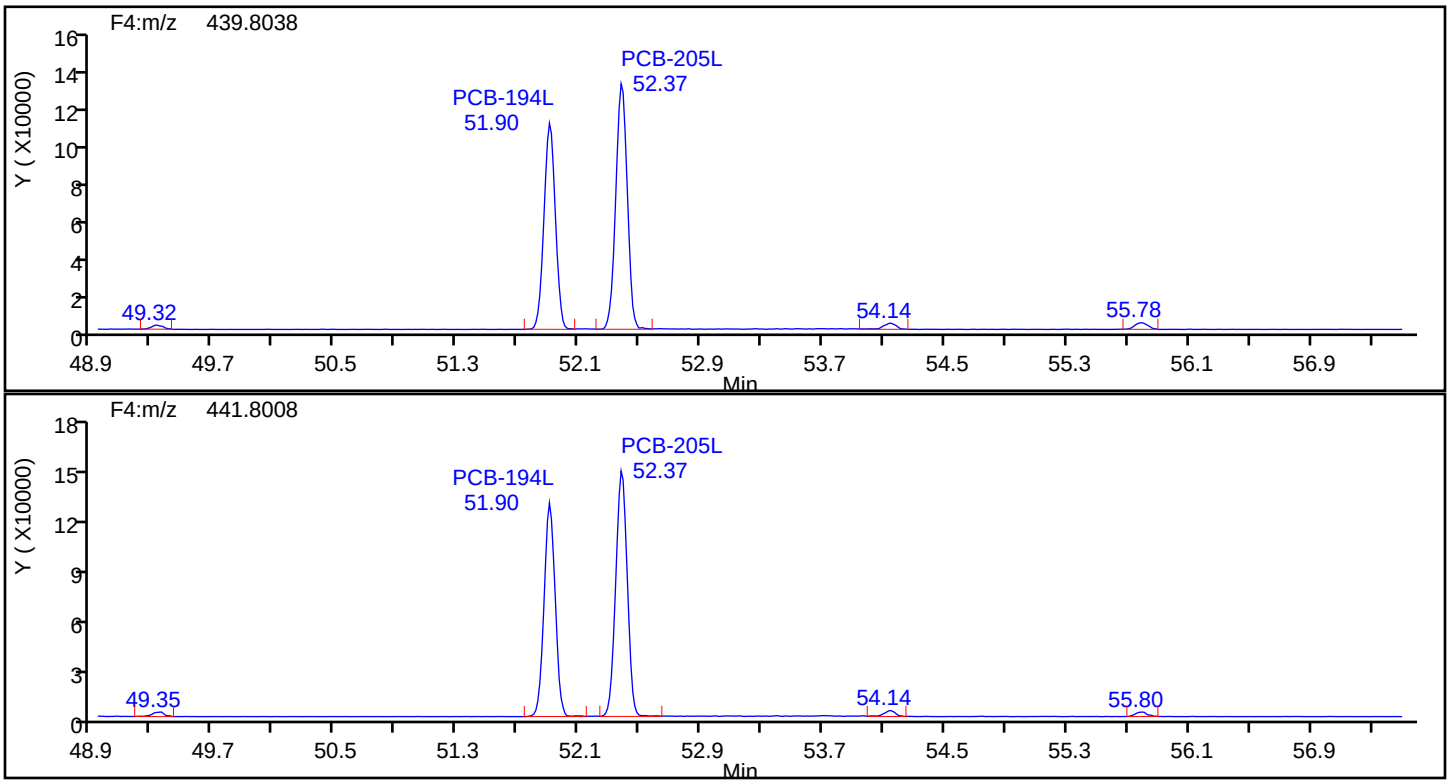
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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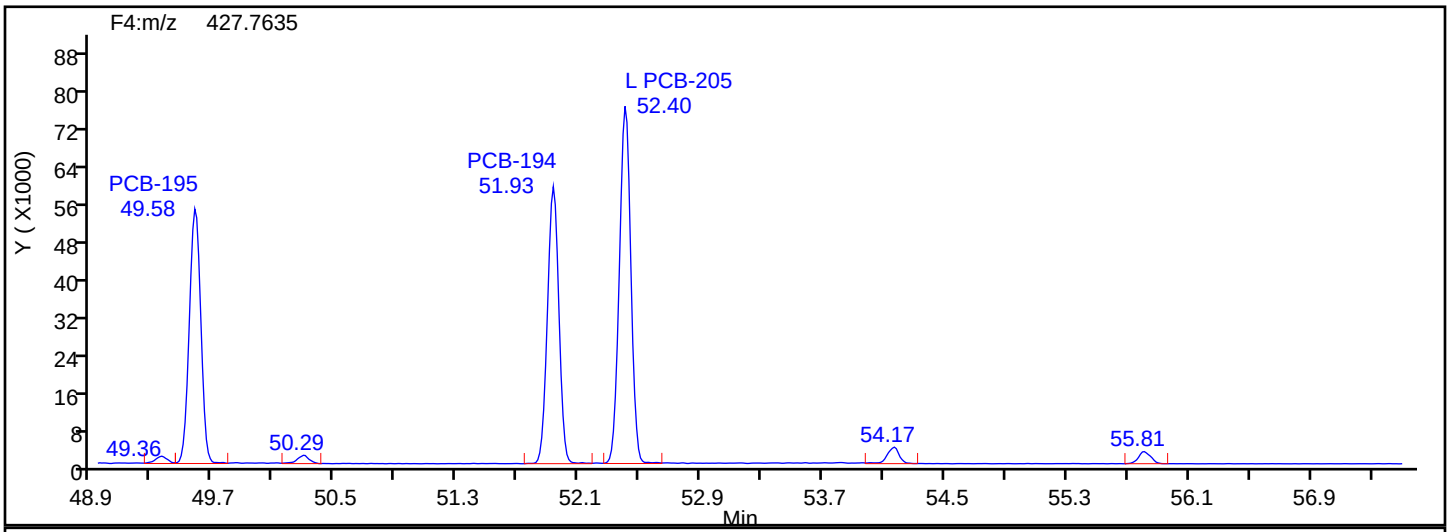
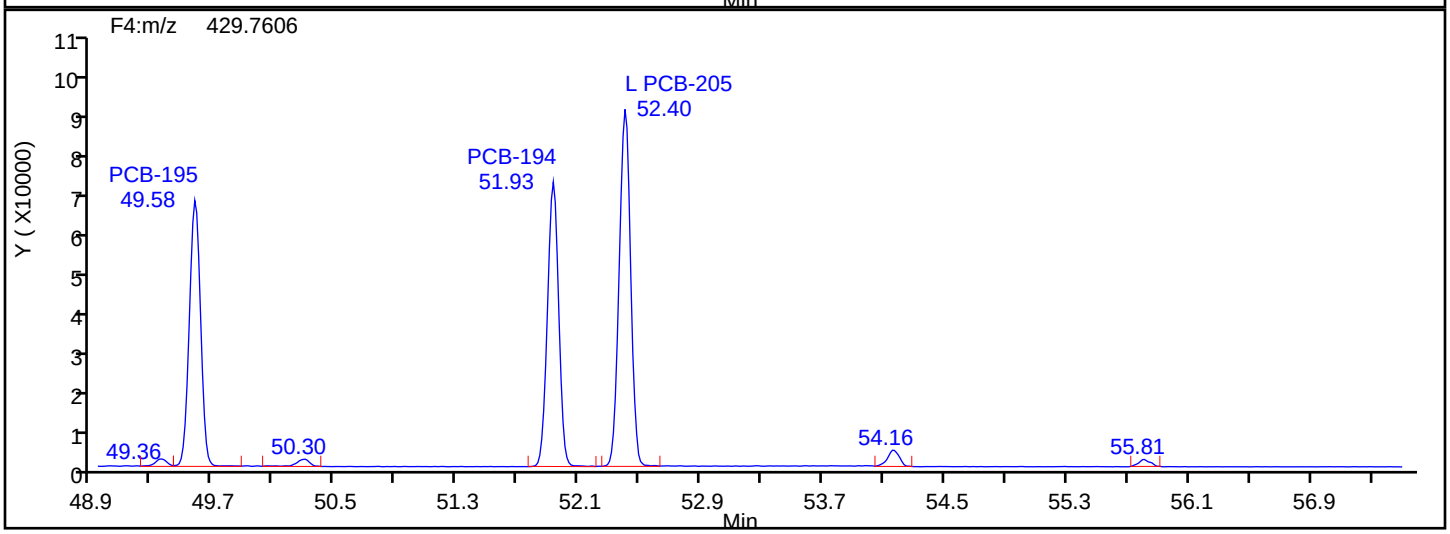
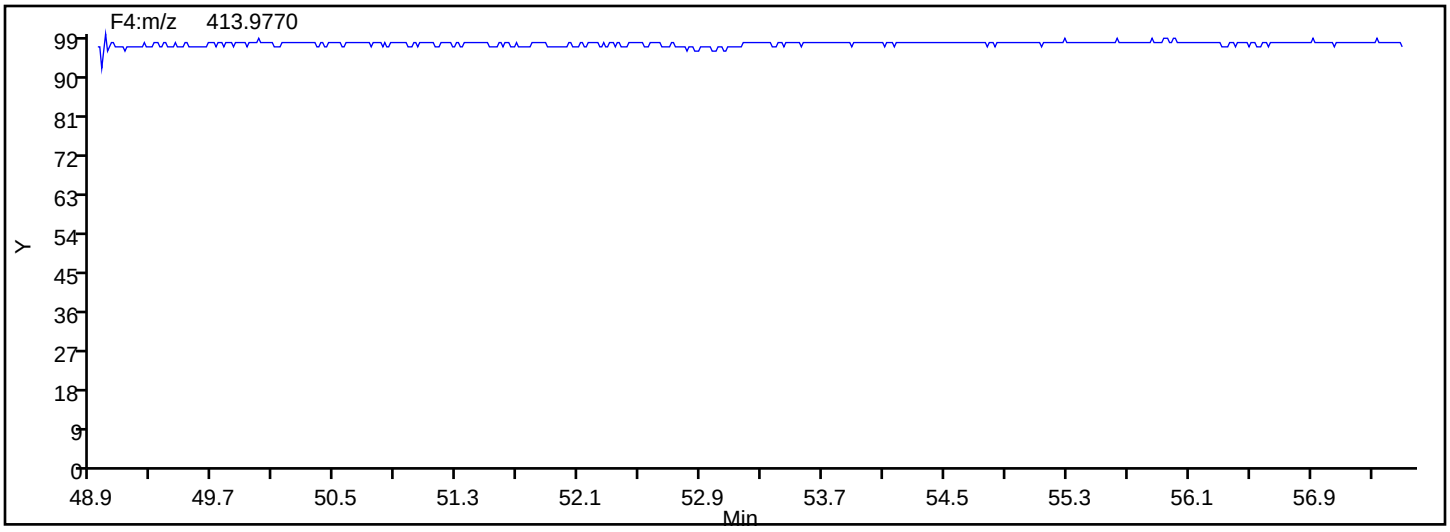
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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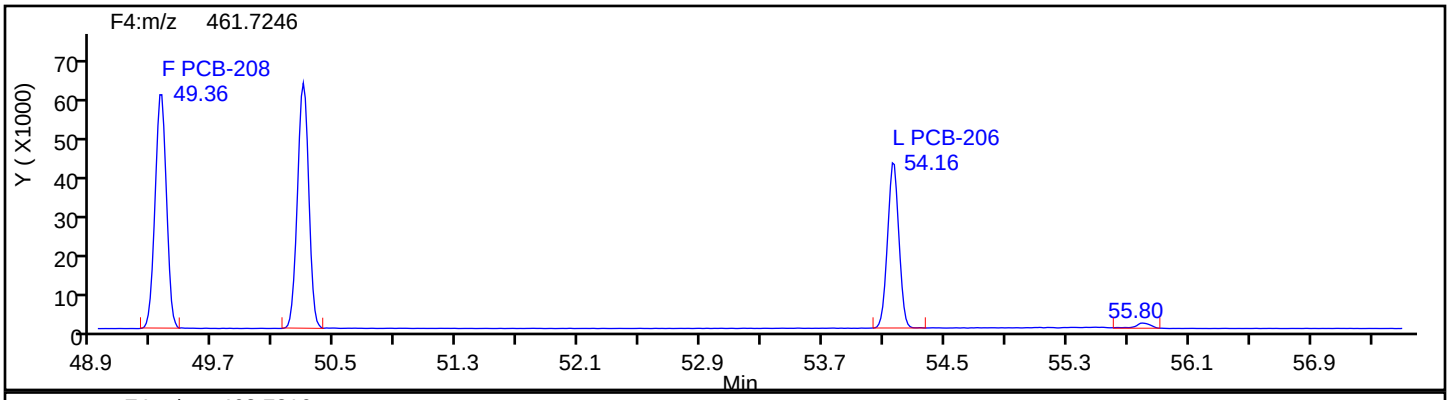
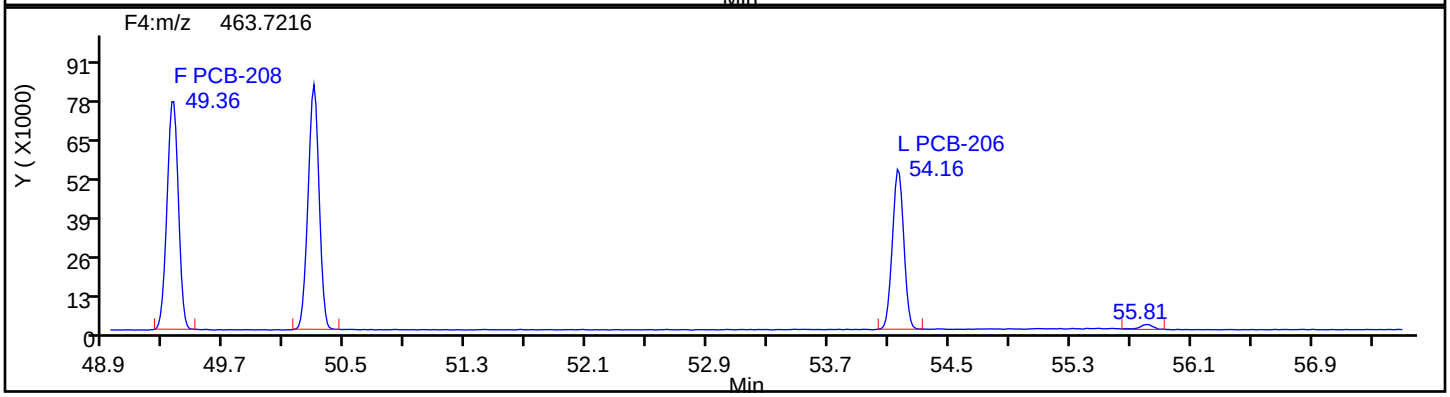
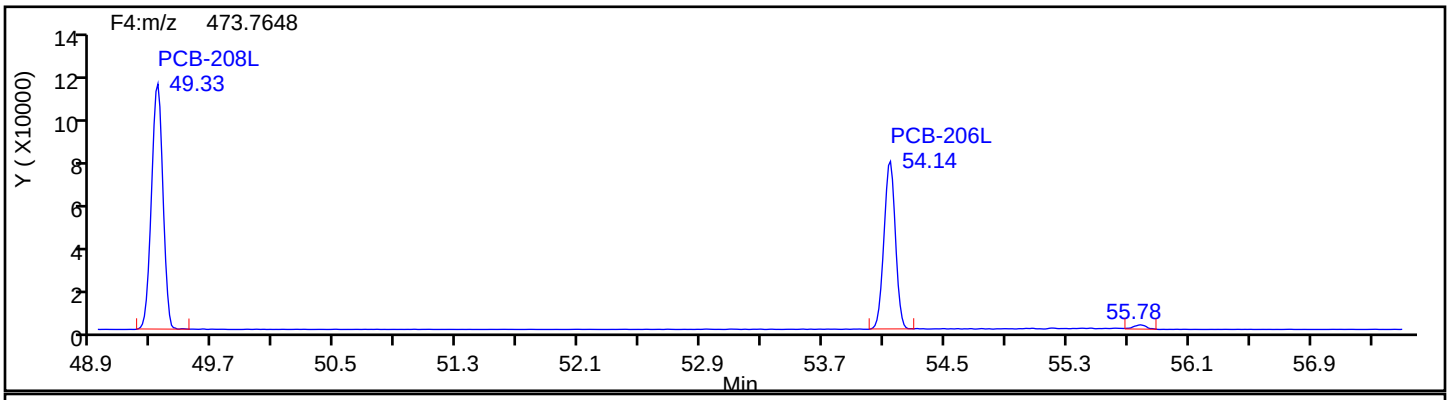
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

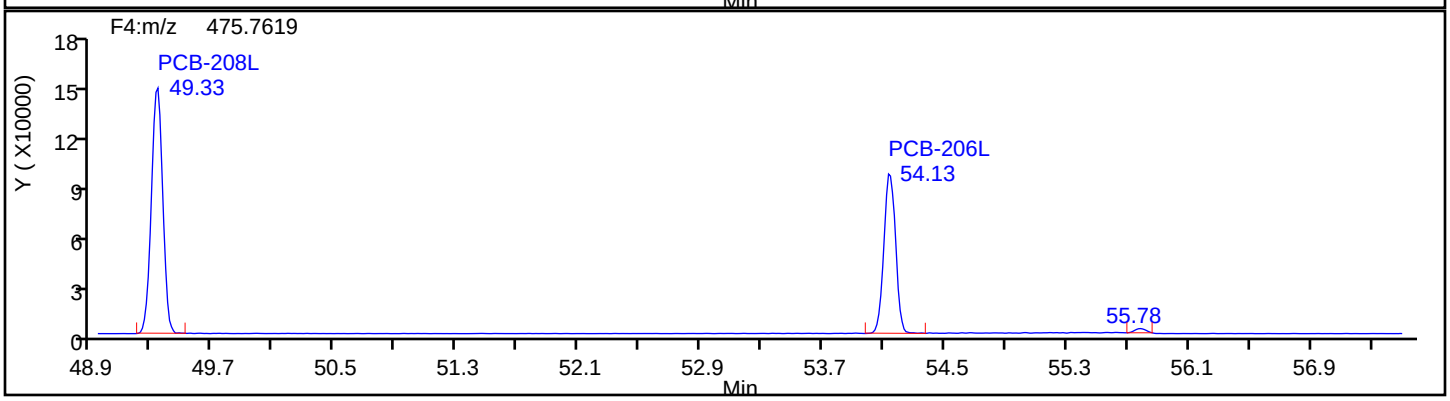
NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

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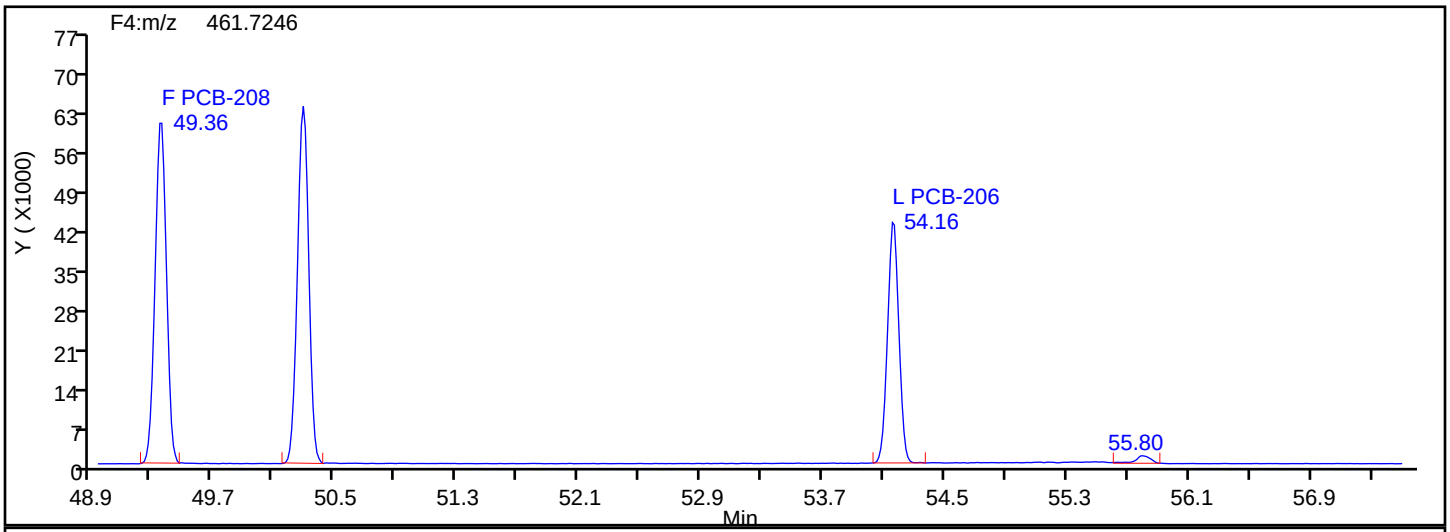
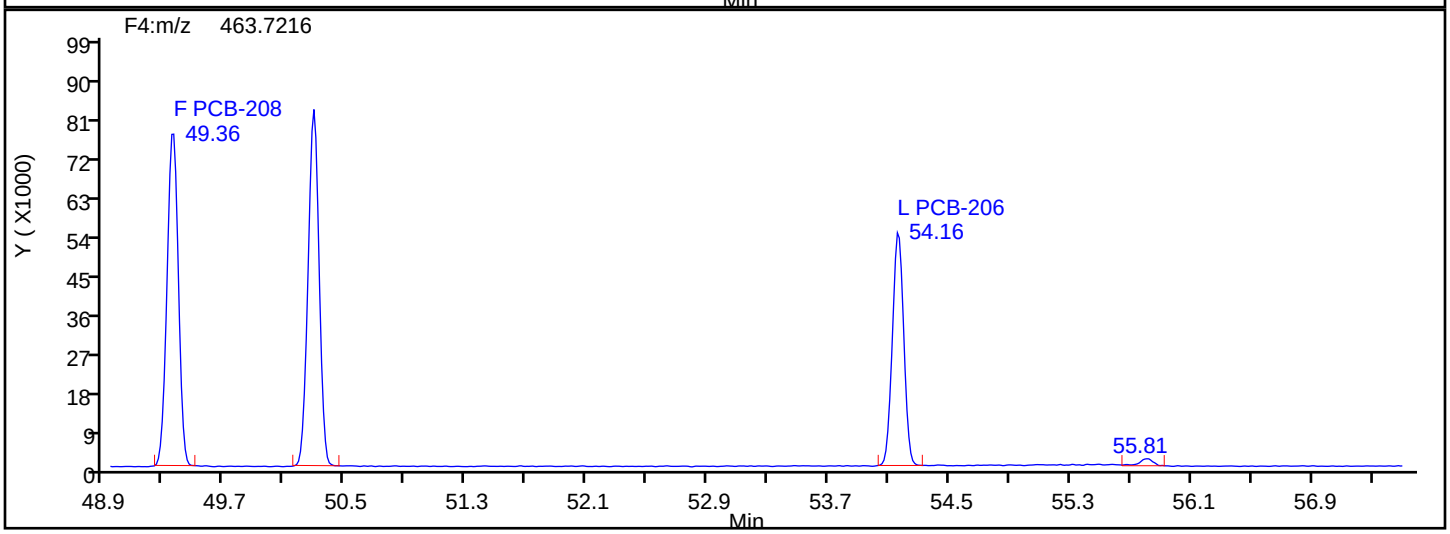
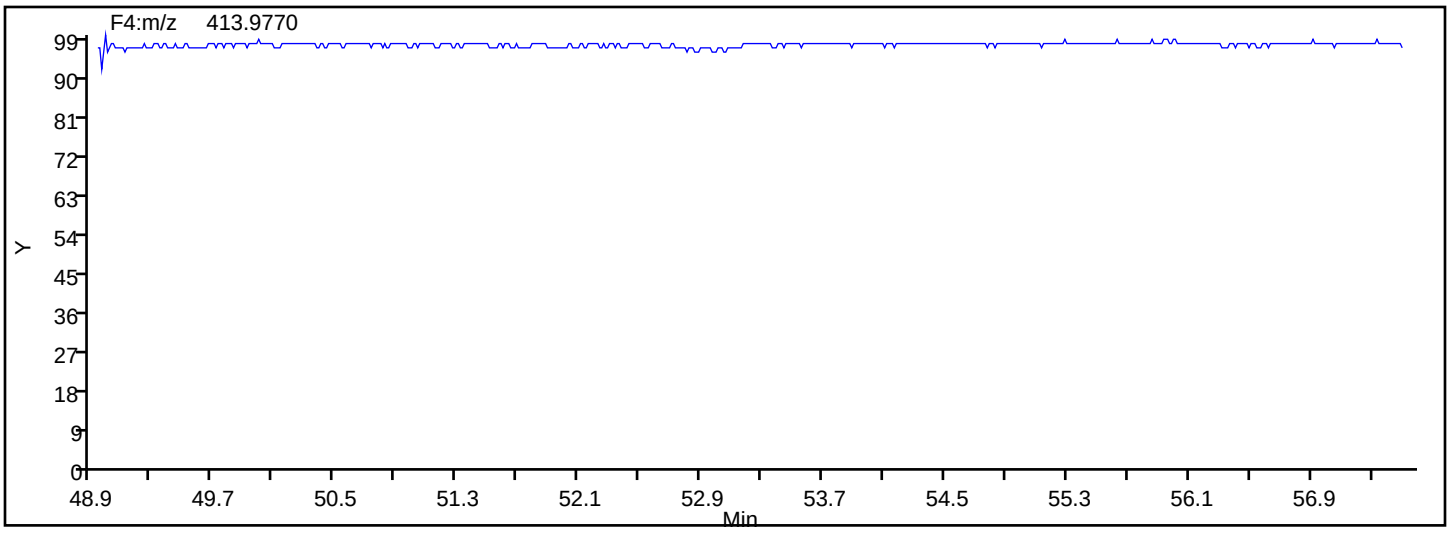
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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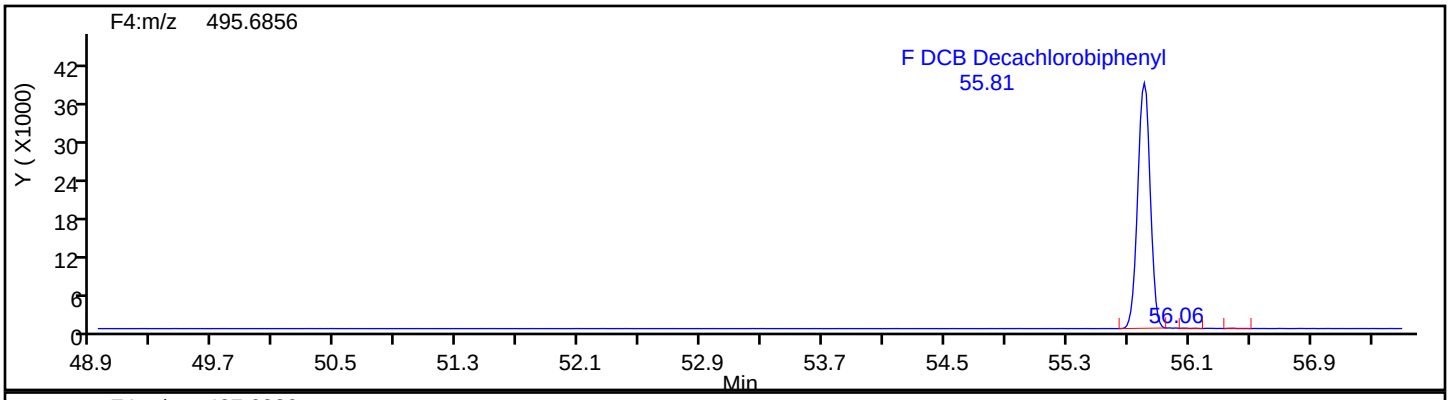
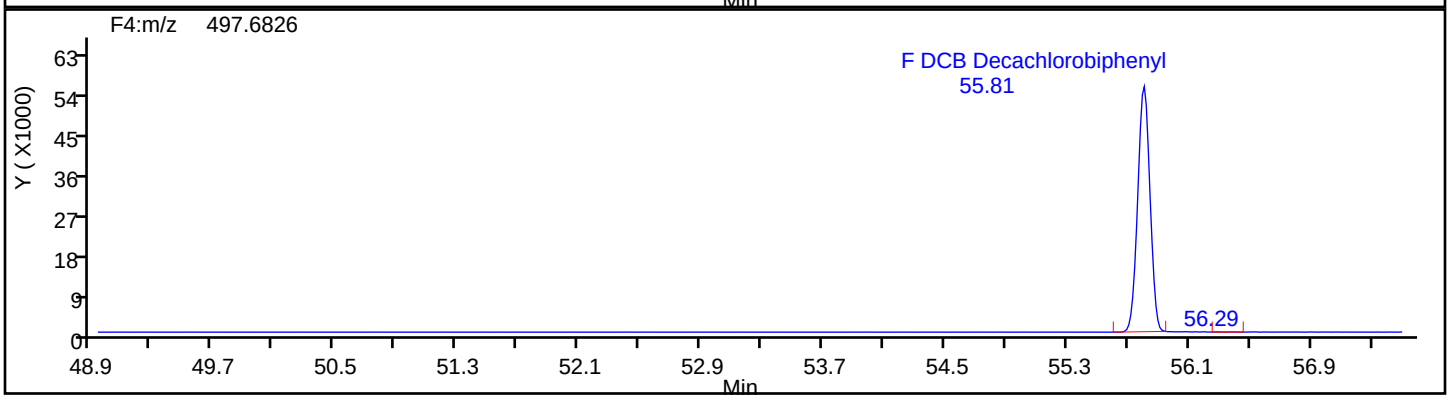
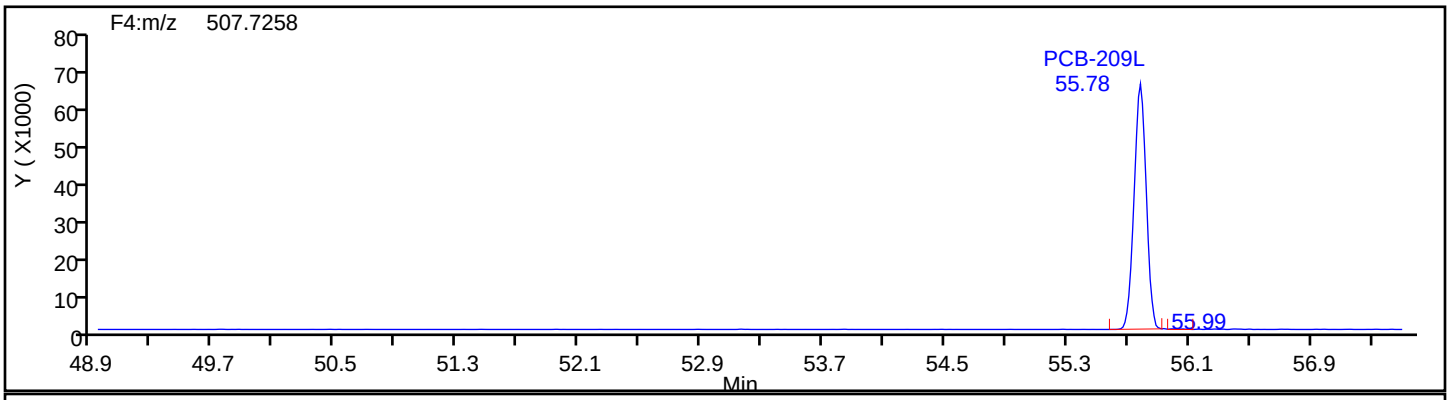
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

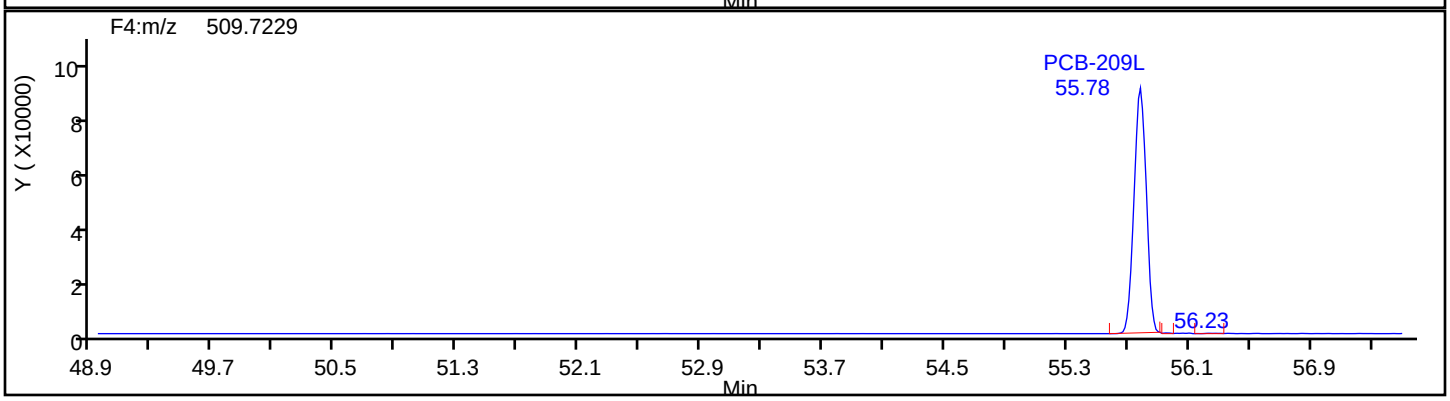
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

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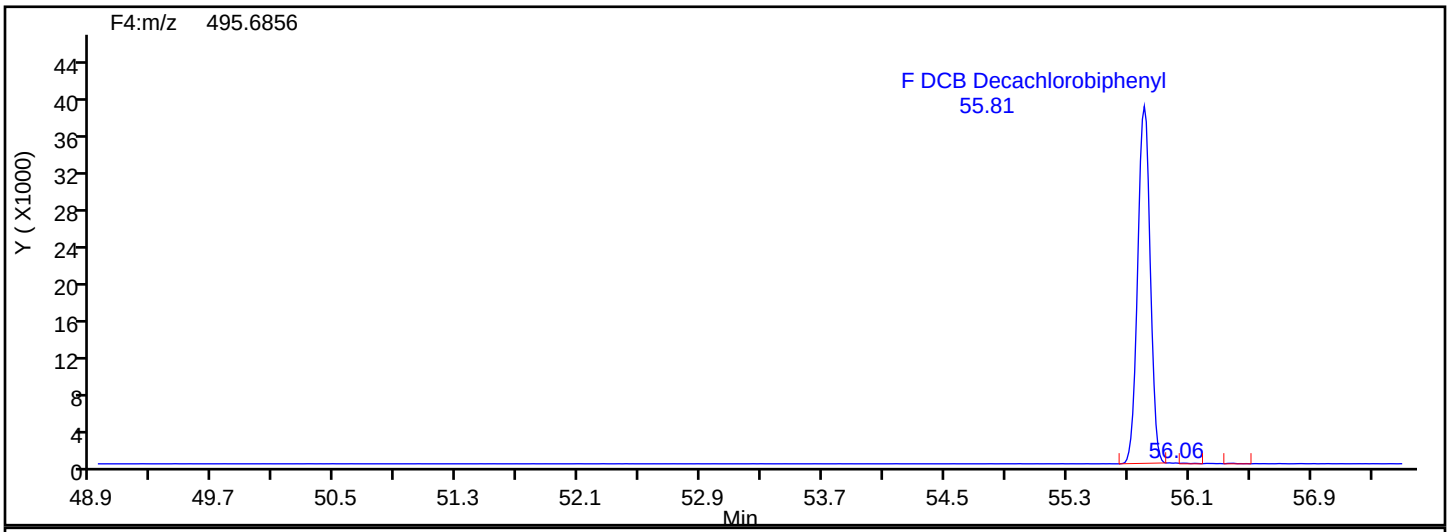
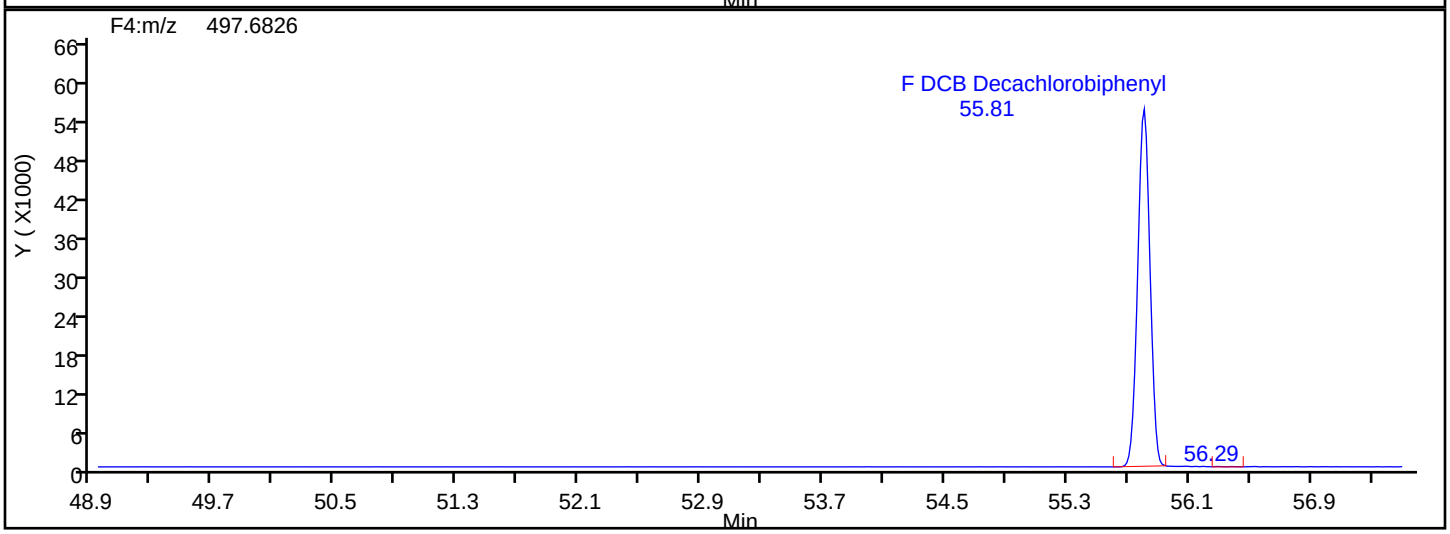
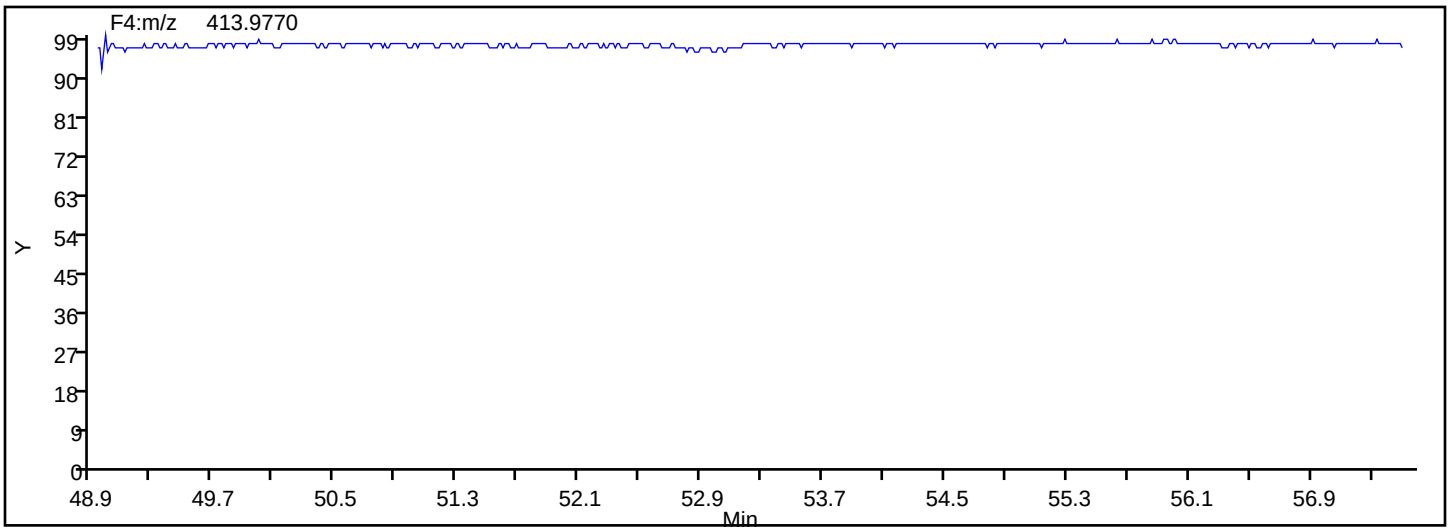
| Injection Date: | 24-Sep-2019 12:38:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33925/1  Calibration Date: 09/25/2019 22:28

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190925s3.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.192 | | 50.2 | 50.0 | 100 | 70-130 |
| PCB-2 | AveID | 1.191 | 1.163 | | 48.8 | 50.0 | 98 | 70-130 |
| PCB-3 | AveID | 1.213 | 1.188 | | 49.0 | 50.0 | 98 | 70-130 |
| PCB-4 | AveID | 1.253 | 1.163 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-10 | AveID | 1.483 | 1.369 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-9 | AveID | 1.420 | 1.356 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-7 | AveID | 1.624 | 1.533 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-6 | AveID | 1.554 | 1.393 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-5 | AveID | 1.561 | 1.387 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-8 | AveID | 1.588 | 1.440 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-19 | AveID | 1.305 | 1.359 | | 52.1 | 50.0 | 104 | 70-130 |
| PCB-14 | AveID | 1.874 | 1.625 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-18 | AveID | 1.819 | 1.979 | | 109 | 100 | 109 | 70-130 |
| PCB-18/30 | AveID | 1.819 | 1.979 | | 109 | 100 | 109 | 70-130 |
| PCB-30 | AveID | 1.819 | 1.979 | | 109 | 100 | 109 | 70-130 |
| PCB-11 | AveID | 1.635 | 1.415 | | 43.3 | 50.0 | 87 | 70-130 |
| PCB-17 | AveID | 1.564 | 1.613 | | 51.6 | 50.0 | 103 | 70-130 |
| PCB-12 | AveID | 1.641 | 1.404 | | 85.6 | 100 | 86 | 70-130 |
| PCB-12/13 | AveID | 1.641 | 1.404 | | 85.6 | 100 | 86 | 70-130 |
| PCB-13 | AveID | 1.641 | 1.404 | | 85.6 | 100 | 86 | 70-130 |
| PCB-27 | AveID | 2.168 | 2.201 | | 50.8 | 50.0 | 102 | 70-130 |
| PCB-24 | AveID | 2.102 | 2.135 | | 50.8 | 50.0 | 102 | 70-130 |
| PCB-16 | AveID | 1.226 | 1.266 | | 51.6 | 50.0 | 103 | 70-130 |
| PCB-15 | AveID | 1.402 | 1.299 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-54 | AveID | 1.256 | 1.097 | | 43.7 | 50.0 | 87 | 70-130 |
| PCB-32 | AveID | 2.342 | 2.436 | | 52.0 | 50.0 | 104 | 70-130 |
| PCB-34 | AveID | 1.215 | 1.156 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-23 | AveID | 1.268 | 1.183 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-26 | AveID | 1.319 | 1.193 | | 90.4 | 100 | 90 | 70-130 |
| PCB-26/29 | AveID | 1.319 | 1.193 | | 90.4 | 100 | 90 | 70-130 |
| PCB-29 | AveID | 1.319 | 1.193 | | 90.4 | 100 | 90 | 70-130 |
| PCB-25 | AveID | 1.352 | 1.244 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-50 | AveID | 0.9362 | 0.9183 | | 98.1 | 100 | 98 | 70-130 |
| PCB-50/53 | AveID | 0.9362 | 0.9183 | | 98.1 | 100 | 98 | 70-130 |
| PCB-53 | AveID | 0.9362 | 0.9183 | | 98.1 | 100 | 98 | 70-130 |
| PCB-31 | AveID | 1.381 | 1.282 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-20 | AveID | 1.306 | 1.168 | | 89.4 | 100 | 89 | 70-130 |
| PCB-20/28 | AveID | 1.306 | 1.168 | | 89.4 | 100 | 89 | 70-130 |
| PCB-28 | AveID | 1.306 | 1.168 | | 89.4 | 100 | 89 | 70-130 |
| PCB-45 | AveID | 0.8850 | 0.8197 | | 92.6 | 100 | 93 | 70-130 |
| PCB-45/51 | AveID | 0.8850 | 0.8197 | | 92.6 | 100 | 93 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33925/1  Calibration Date: 09/25/2019 22:28

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190925s3.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.8197 | | 92.6 | 100 | 93 | 70-130 |
| PCB-21 | AveID | 1.378 | 1.234 | | 89.6 | 100 | 90 | 70-130 |
| PCB-21/33 | AveID | 1.378 | 1.234 | | 89.6 | 100 | 90 | 70-130 |
| PCB-33 | AveID | 1.378 | 1.234 | | 89.6 | 100 | 90 | 70-130 |
| PCB-46 | AveID | 0.7591 | 0.7176 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-22 | AveID | 1.243 | 1.155 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-52 | AveID | 0.8992 | 0.8883 | | 49.4 | 50.0 | 99 | 70-130 |
| PCB-43 | AveID | 0.999 | 0.9500 | | 95.1 | 100 | 95 | 70-130 |
| PCB-43/73 | AveID | 0.999 | 0.9500 | | 95.1 | 100 | 95 | 70-130 |
| PCB-73 | AveID | 0.999 | 0.9500 | | 95.1 | 100 | 95 | 70-130 |
| PCB-36 | AveID | 1.347 | 1.257 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-49 | AveID | 1.137 | 1.055 | | 92.8 | 100 | 93 | 70-130 |
| PCB-49/69 | AveID | 1.137 | 1.055 | | 92.8 | 100 | 93 | 70-130 |
| PCB-69 | AveID | 1.137 | 1.055 | | 92.8 | 100 | 93 | 70-130 |
| PCB-39 | AveID | 1.397 | 1.274 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-48 | AveID | 0.9454 | 0.8652 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-104 | AveID | 1.393 | 1.383 | | 49.6 | 50.0 | 99 | 70-130 |
| PCB-44 | AveID | 1.032 | 0.9204 | | 134 | 150 | 89 | 70-130 |
| PCB-44/47/65 | AveID | 1.032 | 0.9204 | | 134 | 150 | 89 | 70-130 |
| PCB-47 | AveID | 1.032 | 0.9204 | | 134 | 150 | 89 | 70-130 |
| PCB-65 | AveID | 1.032 | 0.9204 | | 134 | 150 | 89 | 70-130 |
| PCB-38 | AveID | 1.318 | 1.150 | | 43.6 | 50.0 | 87 | 70-130 |
| PCB-59 | AveID | 1.361 | 1.197 | | 132 | 150 | 88 | 70-130 |
| PCB-59/62/75 | AveID | 1.361 | 1.197 | | 132 | 150 | 88 | 70-130 |
| PCB-62 | AveID | 1.361 | 1.197 | | 132 | 150 | 88 | 70-130 |
| PCB-75 | AveID | 1.361 | 1.197 | | 132 | 150 | 88 | 70-130 |
| PCB-96 | AveID | 1.227 | 1.215 | | 49.5 | 50.0 | 99 | 70-130 |
| PCB-42 | AveID | 0.8670 | 0.8103 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-35 | AveID | 1.217 | 1.140 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-40 | AveID | 0.9179 | 0.8399 | | 137 | 150 | 92 | 70-130 |
| PCB-40/41/71 | AveID | 0.9179 | 0.8399 | | 137 | 150 | 92 | 70-130 |
| PCB-41 | AveID | 0.9179 | 0.8399 | | 137 | 150 | 92 | 70-130 |
| PCB-71 | AveID | 0.9179 | 0.8399 | | 137 | 150 | 92 | 70-130 |
| PCB-37 | AveID | 1.288 | 1.187 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-64 | AveID | 1.416 | 1.288 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-72 | AveID | 1.316 | 1.233 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-103 | AveID | 1.033 | 1.069 | | 51.7 | 50.0 | 103 | 70-130 |
| PCB-68 | AveID | 1.478 | 1.377 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-94 | AveID | 0.9036 | 0.9798 | | 54.2 | 50.0 | 108 | 70-130 |
| PCB-57 | AveID | 1.282 | 1.203 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-95 | AveID | 0.9620 | 0.998 | | 51.9 | 50.0 | 104 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33925/1  Calibration Date: 09/25/2019 22:28

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190925s3.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.250 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-100 | AveID | 0.9806 | 1.006 | | 103 | 100 | 103 | 70-130 |
| PCB-93 | AveID | 0.9806 | 1.006 | | 103 | 100 | 103 | 70-130 |
| PCB-93/100 | AveID | 0.9806 | 1.006 | | 103 | 100 | 103 | 70-130 |
| PCB-67 | AveID | 1.394 | 1.266 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-102 | AveID | 0.9888 | 1.008 | | 102 | 100 | 102 | 70-130 |
| PCB-98 | AveID | 0.9888 | 1.008 | | 102 | 100 | 102 | 70-130 |
| PCB-98/102 | AveID | 0.9888 | 1.008 | | 102 | 100 | 102 | 70-130 |
| PCB-63 | AveID | 1.468 | 1.358 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-61 | AveID | 1.357 | 1.228 | | 181 | 200 | 91 | 70-130 |
| PCB-61/70/74/76 | AveID | 1.357 | 1.228 | | 181 | 200 | 91 | 70-130 |
| PCB-70 | AveID | 1.357 | 1.228 | | 181 | 200 | 91 | 70-130 |
| PCB-74 | AveID | 1.357 | 1.228 | | 181 | 200 | 91 | 70-130 |
| PCB-76 | AveID | 1.357 | 1.228 | | 181 | 200 | 91 | 70-130 |
| PCB-88 | AveID | 1.005 | 1.005 | | 100 | 100 | 100 | 70-130 |
| PCB-88/91 | AveID | 1.005 | 1.005 | | 100 | 100 | 100 | 70-130 |
| PCB-91 | AveID | 1.005 | 1.005 | | 100 | 100 | 100 | 70-130 |
| PCB-84 | AveID | 0.8601 | 0.8695 | | 50.5 | 50.0 | 101 | 70-130 |
| PCB-66 | AveID | 1.280 | 1.194 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-55 | AveID | 1.295 | 1.199 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-89 | AveID | 0.8936 | 0.9206 | | 51.5 | 50.0 | 103 | 70-130 |
| PCB-56 | AveID | 1.267 | 1.155 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-121 | AveID | 1.397 | 1.400 | | 50.1 | 50.0 | 100 | 70-130 |
| PCB-60 | AveID | 1.329 | 1.217 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-92 | AveID | 0.9532 | 0.9711 | | 50.9 | 50.0 | 102 | 70-130 |
| PCB-80 | AveID | 1.469 | 1.365 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-155 | AveID | 1.303 | 1.162 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-152 | AveID | 1.256 | 1.078 | | 42.9 | 50.0 | 86 | 70-130 |
| PCB-101 | AveID | 1.137 | 1.148 | | 152 | 150 | 101 | 70-130 |
| PCB-113 | AveID | 1.137 | 1.148 | | 152 | 150 | 101 | 70-130 |
| PCB-90 | AveID | 1.137 | 1.148 | | 152 | 150 | 101 | 70-130 |
| PCB-90/101/113 | AveID | 1.137 | 1.148 | | 152 | 150 | 101 | 70-130 |
| PCB-150 | AveID | 1.237 | 1.109 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-136 | AveID | 1.156 | 1.038 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-83 | AveID | 0.9393 | 0.9811 | | 104 | 100 | 104 | 70-130 |
| PCB-83/99 | AveID | 0.9393 | 0.9811 | | 104 | 100 | 104 | 70-130 |
| PCB-99 | AveID | 0.9393 | 0.9811 | | 104 | 100 | 104 | 70-130 |
| PCB-112 | AveID | 1.367 | 1.400 | | 51.2 | 50.0 | 102 | 70-130 |
| PCB-145 | AveID | 1.191 | 1.079 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-109 | AveID | 1.196 | 1.180 | | 296 | 300 | 99 | 70-130 |
| PCB-119 | AveID | 1.196 | 1.180 | | 296 | 300 | 99 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33925/1  Calibration Date: 09/25/2019 22:28

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190925s3.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.180 | | 296 | 300 | 99 | 70-130 |
| PCB-79 | AveID | 1.542 | 1.413 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-86 | AveID | 1.196 | 1.180 | | 296 | 300 | 99 | 70-130 |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.180 | | 296 | 300 | 99 | 70-130 |
| PCB-87 | AveID | 1.196 | 1.180 | | 296 | 300 | 99 | 70-130 |
| PCB-97 | AveID | 1.196 | 1.180 | | 296 | 300 | 99 | 70-130 |
| PCB-78 | AveID | 1.315 | 1.183 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-116 | AveID | 1.213 | 1.230 | | 152 | 150 | 101 | 70-130 |
| PCB-117 | AveID | 1.213 | 1.230 | | 152 | 150 | 101 | 70-130 |
| PCB-85 | AveID | 1.213 | 1.230 | | 152 | 150 | 101 | 70-130 |
| PCB-85/116/117 | AveID | 1.213 | 1.230 | | 152 | 150 | 101 | 70-130 |
| PCB-110 | AveID | 1.351 | 1.393 | | 103 | 100 | 103 | 70-130 |
| PCB-110/115 | AveID | 1.351 | 1.393 | | 103 | 100 | 103 | 70-130 |
| PCB-115 | AveID | 1.351 | 1.393 | | 103 | 100 | 103 | 70-130 |
| PCB-81 | AveID | 1.321 | 1.265 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-82 | AveID | 0.8675 | 0.9383 | | 54.1 | 50.0 | 108 | 70-130 |
| PCB-148 | AveID | 0.8982 | 0.8453 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-77 | AveID | 1.331 | 1.263 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-111 | AveID | 1.426 | 1.499 | | 52.6 | 50.0 | 105 | 70-130 |
| PCB-135 | AveID | 0.8691 | 0.7827 | | 90.1 | 100 | 90 | 70-130 |
| PCB-135/151 | AveID | 0.8691 | 0.7827 | | 90.1 | 100 | 90 | 70-130 |
| PCB-151 | AveID | 0.8691 | 0.7827 | | 90.1 | 100 | 90 | 70-130 |
| PCB-120 | AveID | 1.491 | 1.498 | | 50.3 | 50.0 | 101 | 70-130 |
| PCB-154 | AveID | 1.018 | 0.8931 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-144 | AveID | 0.9185 | 0.8195 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-147 | AveID | 0.9747 | 0.8644 | | 88.7 | 100 | 89 | 70-130 |
| PCB-147/149 | AveID | 0.9747 | 0.8644 | | 88.7 | 100 | 89 | 70-130 |
| PCB-149 | AveID | 0.9747 | 0.8644 | | 88.7 | 100 | 89 | 70-130 |
| PCB-134 | AveID | 0.8518 | 0.7647 | | 89.8 | 100 | 90 | 70-130 |
| PCB-134/143 | AveID | 0.8518 | 0.7647 | | 89.8 | 100 | 90 | 70-130 |
| PCB-143 | AveID | 0.8518 | 0.7647 | | 89.8 | 100 | 90 | 70-130 |
| PCB-108 | AveID | 1.255 | 1.115 | | 88.9 | 100 | 89 | 70-130 |
| PCB-108/124 | AveID | 1.255 | 1.115 | | 88.9 | 100 | 89 | 70-130 |
| PCB-124 | AveID | 1.255 | 1.115 | | 88.9 | 100 | 89 | 70-130 |
| PCB-139 | AveID | 1.000 | 0.8839 | | 88.4 | 100 | 88 | 70-130 |
| PCB-139/140 | AveID | 1.000 | 0.8839 | | 88.4 | 100 | 88 | 70-130 |
| PCB-140 | AveID | 1.000 | 0.8839 | | 88.4 | 100 | 88 | 70-130 |
| PCB-107 | AveID | 1.358 | 1.253 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-131 | AveID | 0.8584 | 0.7727 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-123 | AveID | 1.341 | 1.246 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-106 | AveID | 1.275 | 1.123 | | 44.0 | 50.0 | 88 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33925/1  Calibration Date: 09/25/2019 22:28

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190925s3.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.7717 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-118 | AveID | 1.289 | 1.208 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-132 | AveID | 0.8801 | 0.7815 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-122 | AveID | 1.161 | 1.072 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-114 | AveID | 1.405 | 1.278 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-188 | AveID | 1.250 | 1.217 | | 48.7 | 50.0 | 97 | 70-130 |
| PCB-133 | AveID | 0.9064 | 0.8102 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-179 | AveID | 1.415 | 1.400 | | 49.5 | 50.0 | 99 | 70-130 |
| PCB-165 | AveID | 1.121 | 1.025 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-105 | AveID | 1.289 | 1.171 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-146 | AveID | 1.008 | 0.8841 | | 43.8 | 50.0 | 88 | 70-130 |
| PCB-161 | AveID | 1.337 | 1.166 | | 43.6 | 50.0 | 87 | 70-130 |
| PCB-184 | AveID | 1.419 | 1.366 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-176 | AveID | 1.521 | 1.540 | | 50.6 | 50.0 | 101 | 70-130 |
| PCB-153 | AveID | 1.221 | 1.112 | | 91.1 | 100 | 91 | 70-130 |
| PCB-153/168 | AveID | 1.221 | 1.112 | | 91.1 | 100 | 91 | 70-130 |
| PCB-168 | AveID | 1.221 | 1.112 | | 91.1 | 100 | 91 | 70-130 |
| PCB-141 | AveID | 0.9608 | 0.8610 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-186 | AveID | 1.435 | 1.548 | | 53.9 | 50.0 | 108 | 70-130 |
| PCB-130 | AveID | 0.8274 | 0.7905 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-127 | AveID | 1.284 | 1.205 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-137 | AveID | 1.058 | 0.9626 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-164 | AveID | 1.253 | 1.206 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-129 | AveID | 1.084 | 1.018 | | 188 | 200 | 94 | 70-130 |
| PCB-129/138/160/163 | AveID | 1.084 | 1.018 | | 188 | 200 | 94 | 70-130 |
| PCB-138 | AveID | 1.084 | 1.018 | | 188 | 200 | 94 | 70-130 |
| PCB-160 | AveID | 1.084 | 1.018 | | 188 | 200 | 94 | 70-130 |
| PCB-163 | AveID | 1.084 | 1.018 | | 188 | 200 | 94 | 70-130 |
| PCB-158 | AveID | 1.386 | 1.299 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-178 | AveID | 1.023 | 1.110 | | 54.3 | 50.0 | 109 | 70-130 |
| PCB-175 | AveID | 1.069 | 1.152 | | 53.9 | 50.0 | 108 | 70-130 |
| PCB-126 | AveID | 1.342 | 1.196 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-128 | AveID | 1.116 | 1.051 | | 94.1 | 100 | 94 | 70-130 |
| PCB-128/166 | AveID | 1.116 | 1.051 | | 94.1 | 100 | 94 | 70-130 |
| PCB-166 | AveID | 1.116 | 1.051 | | 94.1 | 100 | 94 | 70-130 |
| PCB-187 | AveID | 1.111 | 1.151 | | 51.8 | 50.0 | 104 | 70-130 |
| PCB-182 | AveID | 1.148 | 1.201 | | 52.3 | 50.0 | 105 | 70-130 |
| PCB-183 | AveID | 1.137 | 1.185 | | 104 | 100 | 104 | 70-130 |
| PCB-183/185 | AveID | 1.137 | 1.185 | | 104 | 100 | 104 | 70-130 |
| PCB-185 | AveID | 1.137 | 1.185 | | 104 | 100 | 104 | 70-130 |
| PCB-174 | AveID | 0.9547 | 1.029 | | 53.9 | 50.0 | 108 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33925/1  Calibration Date: 09/25/2019 22:28

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190925s3.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.223 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-162 | AveID | 1.362 | 1.269 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-177 | AveID | 0.9426 | 0.9934 | | 52.7 | 50.0 | 105 | 70-130 |
| PCB-202 | AveID | 1.053 | 0.9380 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-167 | AveID | 1.336 | 1.277 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-181 | AveID | 1.107 | 1.156 | | 52.2 | 50.0 | 104 | 70-130 |
| PCB-171 | AveID | 0.9603 | 1.009 | | 105 | 100 | 105 | 70-130 |
| PCB-171/173 | AveID | 0.9603 | 1.009 | | 105 | 100 | 105 | 70-130 |
| PCB-173 | AveID | 0.9603 | 1.009 | | 105 | 100 | 105 | 70-130 |
| PCB-201 | AveID | 1.186 | 1.063 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-156 | AveID | 1.276 | 1.217 | | 95.4 | 100 | 95 | 70-130 |
| PCB-156/157 | AveID | 1.276 | 1.217 | | 95.4 | 100 | 95 | 70-130 |
| PCB-157 | AveID | 1.276 | 1.217 | | 95.4 | 100 | 95 | 70-130 |
| PCB-204 | AveID | 1.101 | 1.004 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-197 | AveID | 1.205 | 1.119 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-200 | AveID | 1.126 | 0.9807 | | 43.5 | 50.0 | 87 | 70-130 |
| PCB-172 | AveID | 0.9918 | 1.026 | | 51.7 | 50.0 | 103 | 70-130 |
| PCB-192 | AveID | 1.290 | 1.399 | | 54.2 | 50.0 | 108 | 70-130 |
| PCB-180 | AveID | 1.229 | 1.308 | | 106 | 100 | 106 | 70-130 |
| PCB-180/193 | AveID | 1.229 | 1.308 | | 106 | 100 | 106 | 70-130 |
| PCB-193 | AveID | 1.229 | 1.308 | | 106 | 100 | 106 | 70-130 |
| PCB-191 | AveID | 1.385 | 1.490 | | 53.8 | 50.0 | 108 | 70-130 |
| PCB-170 | AveID | 1.270 | 1.371 | | 54.0 | 50.0 | 108 | 70-130 |
| PCB-190 | AveID | 1.377 | 1.471 | | 53.4 | 50.0 | 107 | 70-130 |
| PCB-169 | AveID | 1.283 | 1.210 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-198 | AveID | 0.8183 | 0.7419 | | 90.7 | 100 | 91 | 70-130 |
| PCB-198/199 | AveID | 0.8183 | 0.7419 | | 90.7 | 100 | 91 | 70-130 |
| PCB-199 | AveID | 0.8183 | 0.7419 | | 90.7 | 100 | 91 | 70-130 |
| PCB-196 | AveID | 0.8748 | 0.7858 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-203 | AveID | 0.9219 | 0.8425 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-208 | AveID | 1.157 | 1.084 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-195 | AveID | 0.7839 | 0.8140 | | 51.9 | 50.0 | 104 | 70-130 |
| PCB-189 | AveID | 1.280 | 1.194 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-207 | AveID | 1.396 | 1.397 | | 50.0 | 50.0 | 100 | 70-130 |
| PCB-194 | AveID | 0.9282 | 0.9105 | | 49.0 | 50.0 | 98 | 70-130 |
| PCB-205 | AveID | 1.234 | 1.157 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-206 | AveID | 1.193 | 1.122 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-209 | AveID | 1.246 | 1.202 | | 48.2 | 50.0 | 96 | 70-130 |
| PCB-1L | Ave | 1.314 | 1.452 | | 111 | 100 | 111 | 50-150 |
| PCB-3L | Ave | 1.362 | 1.482 | | 109 | 100 | 109 | 50-150 |
| PCB-4L | Ave | 0.5996 | 0.5859 | | 97.7 | 100 | 98 | 50-150 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-33925/1  Calibration Date: 09/25/2019 22:28

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4190925s3.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.5927 | | 97.2 | 100 | 97 | 50-150 |
| PCB-15L | Ave | 1.028 | 0.998 | | 97.1 | 100 | 97 | 50-150 |
| PCB-54L | Ave | 0.6515 | 0.8785 | | 135 | 100 | 135 | 50-150 |
| PCB-104L | Ave | 1.116 | 1.169 | | 105 | 100 | 105 | 50-150 |
| PCB-37L | Ave | 0.9024 | 0.8957 | | 99.3 | 100 | 99 | 50-150 |
| PCB-155L | Ave | 0.9499 | 1.188 | | 125 | 100 | 125 | 50-150 |
| PCB-81L | Ave | 1.233 | 1.255 | | 102 | 100 | 102 | 50-150 |
| PCB-77L | Ave | 1.252 | 1.283 | | 102 | 100 | 102 | 50-150 |
| PCB-123L | Ave | 0.9909 | 0.9613 | | 97.0 | 100 | 97 | 50-150 |
| PCB-118L | Ave | 1.026 | 1.001 | | 97.6 | 100 | 98 | 50-150 |
| PCB-114L | Ave | 1.003 | 0.9774 | | 97.4 | 100 | 97 | 50-150 |
| PCB-188L | Ave | 1.316 | 1.258 | | 95.6 | 100 | 96 | 50-150 |
| PCB-105L | Ave | 1.001 | 0.9738 | | 97.3 | 100 | 97 | 50-150 |
| PCB-126L | Ave | 0.9020 | 0.9785 | | 108 | 100 | 108 | 50-150 |
| PCB-202L | Ave | 1.006 | 1.070 | | 106 | 100 | 106 | 50-150 |
| PCB-167L | Ave | 1.254 | 1.212 | | 96.6 | 100 | 97 | 50-150 |
| PCB-156L | Ave | 1.229 | 1.201 | | 195 | 200 | 98 | 50-150 |
| PCB-156L/157L | Ave | 1.229 | 1.201 | | 195 | 200 | 98 | 50-150 |
| PCB-157L | Ave | 1.229 | 1.201 | | 195 | 200 | 98 | 50-150 |
| PCB-170L | Ave | 0.8357 | 0.7982 | | 95.5 | 100 | 96 | 50-150 |
| PCB-169L | Ave | 1.088 | 1.171 | | 108 | 100 | 108 | 50-150 |
| PCB-208L | Ave | 1.138 | 1.029 | | 90.4 | 100 | 90 | 50-150 |
| PCB-189L | Ave | 1.467 | 1.467 | | 100 | 100 | 100 | 50-150 |
| PCB-205L | Ave | 1.287 | 1.180 | | 91.7 | 100 | 92 | 50-150 |
| PCB-206L | Ave | 0.8938 | 0.7422 | | 83.0 | 100 | 83 | 50-150 |
| PCB-209L | Ave | 0.9809 | 0.7424 | | 75.7 | 100 | 76 | 50-150 |
| PCB-8L | AveID | 1.309 | 1.149 | | 43.9 | 50.0 | 88 | 50-150 |
| PCB-28L | Ave | 1.098 | 1.014 | | 46.2 | 50.0 | 92 | 60-130 |
| PCB-95L | AveID | 0.7770 | 0.7788 | | 50.1 | 50.0 | 100 | 50-150 |
| PCB-79L | AveID | 1.124 | 1.031 | | 45.9 | 50.0 | 92 | 50-150 |
| PCB-111L | Ave | 1.218 | 1.310 | | 53.8 | 50.0 | 108 | 60-130 |
| PCB-153L | AveID | 0.9597 | 0.8070 | | 42.0 | 50.0 | 84 | 50-150 |
| PCB-178L | Ave | 0.9222 | 0.998 | | 54.1 | 50.0 | 108 | 60-130 |

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

| | |
|---|---|
| Date: | 25 Sep 2019 22:10 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

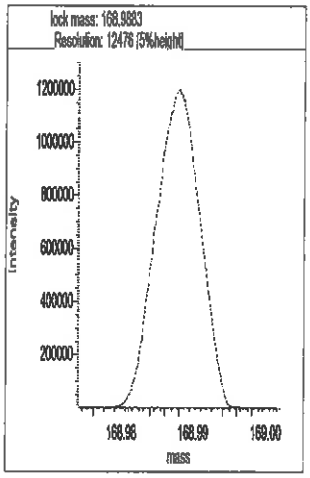
## Segment 1

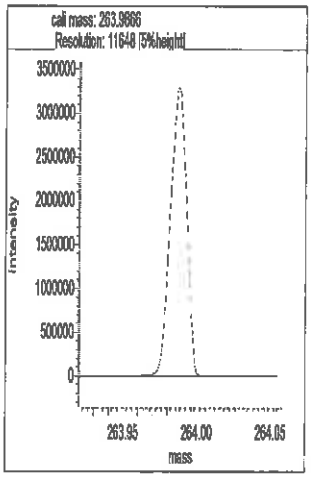
Lock mass 168.9883 [m/z] Resolution: 12476 [5%height]

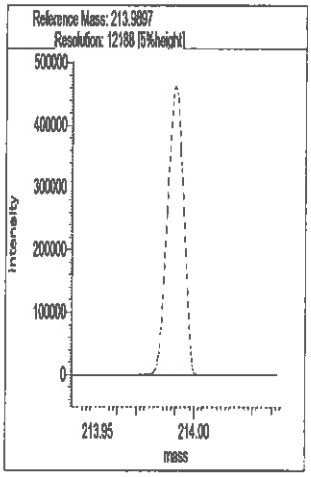
Cali. mass 263.9866 [m/z] Resolution: 11648 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 12188 [5%height]

-190925s3a



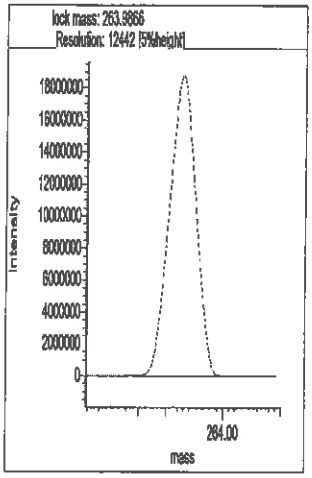

## Segment 2

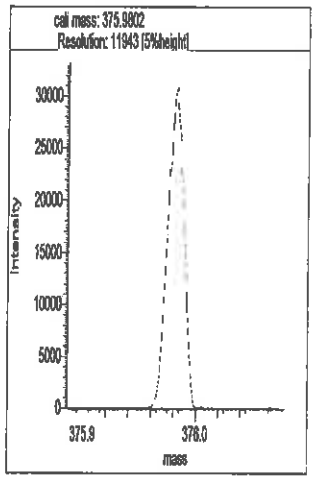
Lock mass 263.9866 [m/z] Resolution: 12442 [5%height]

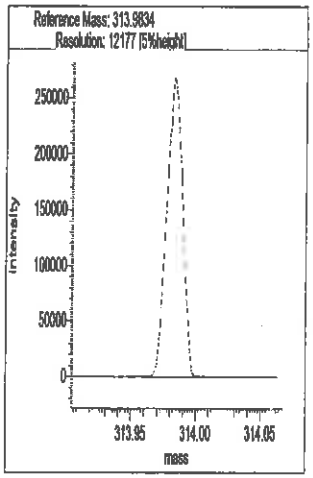
Cali. mass 375.9802 [m/z] Resolution: 11943 [5%height]

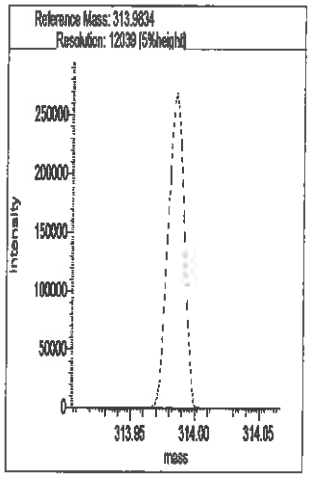
Ref. mass 313.9834 [m/z] Resolution: 12177 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 12039 [5%height]







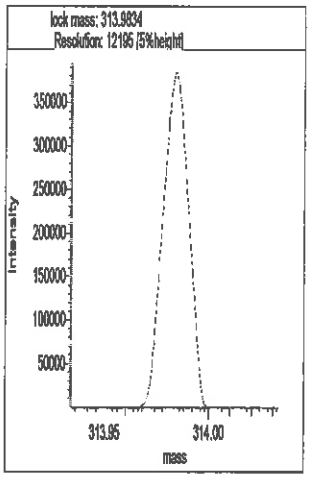


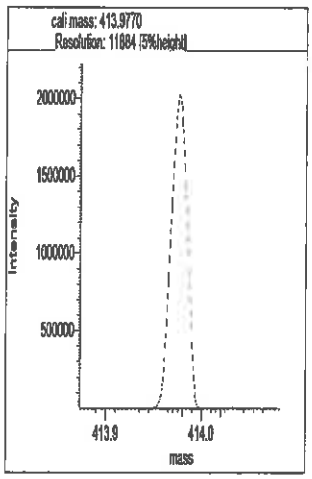

Segment 3

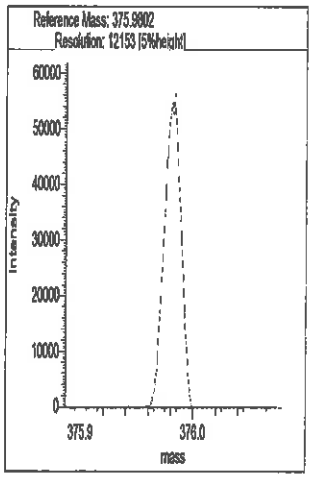
Lock mass 313.9834 [m/z] Resolution: 12195 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 11884 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 12153 [5%height]





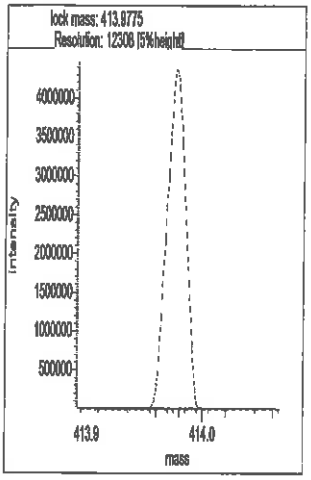


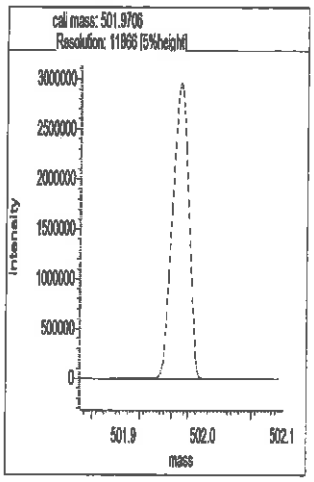

Segment 4

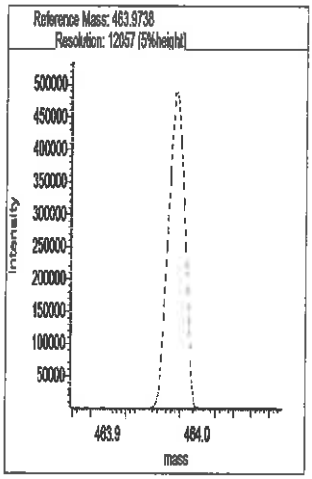
Lock mass 413.9775 [m/z] Resolution: 12308 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 11866 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12057 [5%height]


lock mass: 413.8775
Resolution: 12308 [5%height]
Intensity
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
413.9
414.0
mass


cal mass: 501.9706
Resolution: 11866 [5%height]
Intensity
3000000
2500000
2000000
1500000
1000000
500000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12057 [5%height]
Intensity
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
463.9
464.0
mass

```
Reports
22:18:25:  Peak matching procedure started
22:18:25:
22:18:26:  Reference mass: 168.98827
22:18:26:  Sample mass: 214.0
22:18:27:
22:18:27:  Finding reference mass
22:18:28:  Finding sample mass
22:18:28:
22:18:34:  [1]    213.9897 amu, mean: 213.9897
22:18:37:  [2]    213.9894 amu, mean: 213.9896     SD: 0.17 mmu or: 0.81 ppm
22:18:41:  [3]    213.9893 amu, mean: 213.9895     SD: 0.18 mmu or: 0.86 ppm
22:18:44:  [4]    213.9894 amu, mean: 213.9895     SD: 0.16 mmu or: 0.74 ppm
22:18:44:
22:18:44:  Stop requested. Please wait for procedure to finish.
22:18:44:
22:18:47:
22:18:47:  Peakmatching stopped
```

Signature PMP 9-25-19

```
Reports
22:19:24:  Peak matching procedure started
22:19:24:
22:19:25:  Reference mass: 213.98975
22:19:25:  Sample mass: 264.0
22:19:26:
22:19:26:  Finding reference mass
22:19:27:  Finding sample mass
22:19:28:
22:19:34:  [1]    263.9861 amu, mean: 263.9861
22:19:37:  [2]    263.9861 amu, mean: 263.9861     SD: 0.05 mmu or: 0.21 ppm
22:19:40:  [3]    263.9861 amu, mean: 263.9861     SD: 0.04 mmu or: 0.15 ppm
22:19:43:  [4]    263.9861 amu, mean: 263.9861     SD: 0.03 mmu or: 0.13 ppm
22:19:43:
22:19:43:  Stop requested. Please wait for procedure to finish.
22:19:43:
22:19:46:
```

Signature PMP 9-25-19

```
Reports
22:20:24:  Peak matching procedure started
22:20:25:
22:20:25:  Reference mass: 263.98656
22:20:26:  Sample mass: 314.0
22:20:26:
22:20:27:  Finding reference mass
22:20:28:  Finding sample mass
22:20:28:
22:20:34:  [1]    313.9826 amu, mean: 313.9826
22:20:37:  [2]    313.9830 amu, mean: 313.9828      SD: 0.25 mmu or: 0.80 ppm
22:20:40:  [3]    313.9825 amu, mean: 313.9827      SD: 0.26 mmu or: 0.82 ppm
22:20:43:  [4]    313.9825 amu, mean: 313.9827      SD: 0.23 mmu or: 0.73 ppm
22:20:44:
22:20:44:  Stop requested. Please wait for procedure to finish.
22:20:44:
22:20:47:
22:20:47:  Peakmatching stopped
```

Signature PMP 9-25-19

```
Reports
22:21:37:  Peak matching procedure started
22:21:37:
22:21:38:  Reference mass: 313.98336
22:21:38:  Sample mass: 376.0
22:21:39:
22:21:39:  Finding reference mass
22:21:40:  Finding sample mass
22:21:41:
22:21:46:  [1]    375.9802 amu, mean: 375.9802
22:21:50:  [2]    375.9800 amu, mean: 375.9801     SD: 0.19 mmu or: 0.51 ppm
22:21:53:  [3]    375.9801 amu, mean: 375.9801     SD: 0.14 mmu or: 0.36 ppm
22:21:56:  [4]    375.9797 amu, mean: 375.9800     SD: 0.23 mmu or: 0.62 ppm
22:21:56:
22:21:56:  Stop requested. Please wait for procedure to finish.
22:21:56:
22:21:59:
22:22:00:  Peakmatching stopped
```

Signature PMP 9-25-19

```
Reports
22:21:37:  Peak matching procedure started
22:21:37:
22:21:38:  Reference mass: 313.98336
22:21:38:  Sample mass: 376.0
22:21:39:
22:21:39:  Finding reference mass
22:21:40:  Finding sample mass
22:21:41:
22:21:46:  [1]    375.9802 amu, mean: 375.9802
22:21:50:  [2]    375.9800 amu, mean: 375.9801     SD: 0.19 mmu or: 0.51 ppm
22:21:53:  [3]    375.9801 amu, mean: 375.9801     SD: 0.14 mmu or: 0.36 ppm
22:21:56:  [4]    375.9797 amu, mean: 375.9800     SD: 0.23 mmu or: 0.62 ppm
22:21:56:
22:21:56:  Stop requested. Please wait for procedure to finish.
22:21:56:
22:21:59:
22:22:00:  Peakmatching stopped
```

Signature PMP 9-25-19

```
Reports
22:22:41:  Peak matching procedure started
22:22:42:
22:22:43:  Reference mass: 375.98017
22:22:43:  Sample mass: 414.0
22:22:43:
22:22:44:  Finding reference mass
22:22:45:  Finding sample mass
22:22:45:
22:22:51:  [1]    413.9757 amu, mean: 413.9757
22:22:54:  [2]    413.9764 amu, mean: 413.9760     SD: 0.44 mmu or: 1.07 ppm
22:22:57:  [3]    413.9761 amu, mean: 413.9761     SD: 0.32 mmu or: 0.77 ppm
22:23:00:  [4]    413.9764 amu, mean: 413.9761     SD: 0.30 mmu or: 0.72 ppm
22:23:01:
22:23:01:  Stop requested. Please wait for procedure to finish.
22:23:01:
```

Signature PMP 9-25-19

```
Reports
22:23:33:  Peak matching procedure started
22:23:33:
22:23:34:  Reference mass: 413.97698
22:23:34:  Sample mass: 464.0
22:23:35:
22:23:35:  Finding reference mass
22:23:36:  Finding sample mass
22:23:36:
22:23:42:  [1]    463.9725 amu, mean: 463.9725
22:23:45:  [2]    463.9728 amu, mean: 463.9726      SD: 0.22 mmu or: 0.47 ppm
22:23:49:  [3]    463.9726 amu, mean: 463.9726      SD: 0.15 mmu or: 0.33 ppm
22:23:52:  [4]    463.9728 amu, mean: 463.9727      SD: 0.15 mmu or: 0.32 ppm
22:23:52:
22:23:52:  Stop requested. Please wait for procedure to finish.
22:23:52:
```

Signature PMP 9-25-19

```
Reports
22:24:30:  Peak matching procedure started
22:24:31:
22:24:31:  Reference mass: 463.97378
22:24:32:  Sample mass: 502.0
22:24:32:
22:24:33:  Finding reference mass
22:24:34:  Finding sample mass
22:24:34:
22:24:40:  [1]    501.9708 amu, mean: 501.9708
22:24:43:  [2]    501.9706 amu, mean: 501.9707     SD: 0.16 mmu or: 0.32 ppm
22:24:46:  [3]    501.9703 amu, mean: 501.9706     SD: 0.23 mmu or: 0.47 ppm
22:24:49:  [4]    501.9700 amu, mean: 501.9704     SD: 0.37 mmu or: 0.73 ppm
22:24:50:
22:24:50:  Stop requested. Please wait for procedure to finish.
22:24:50:
```

Signature PMP 9-25-19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

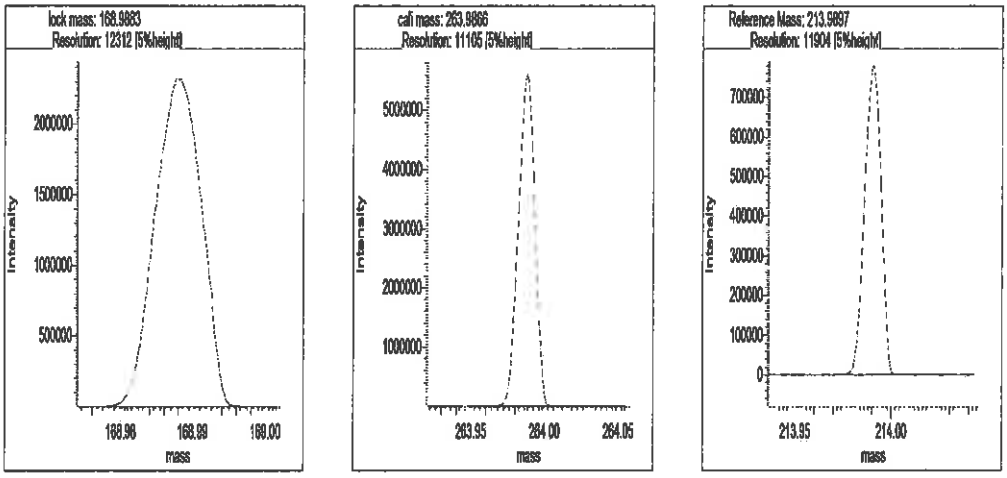
| | |
|---|---|
| Date: | 26 Sep 2019 09:04 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

## Segment 1

Lock mass 168.9883 [m/z] Resolution: 12312 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 11105 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 11904 [5%height]




## Segment 2

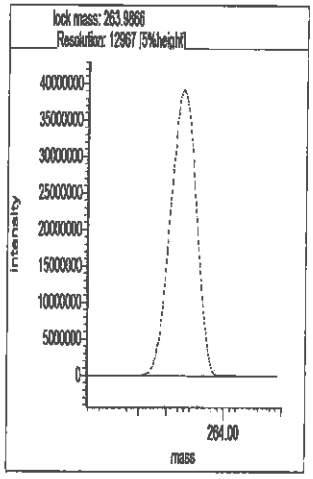
Lock mass 263.9866 [m/z] Resolution: 12967 [5%height]

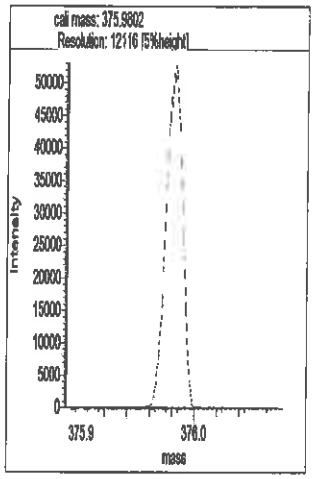
Cali. mass 375.9802 [m/z] Resolution: 12116 [5%height]

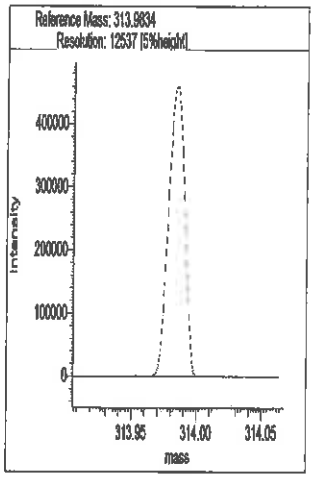
Ref. mass 313.9834 [m/z] Resolution: 12537 [5%height]

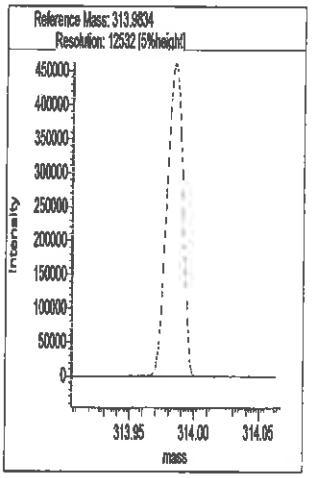
Ref. mass 313.9834 [m/z] Resolution: 12532 [5%height]

-190925s3b



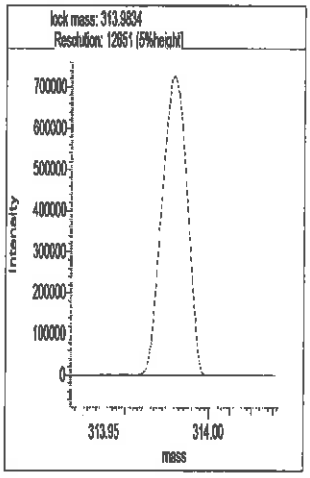



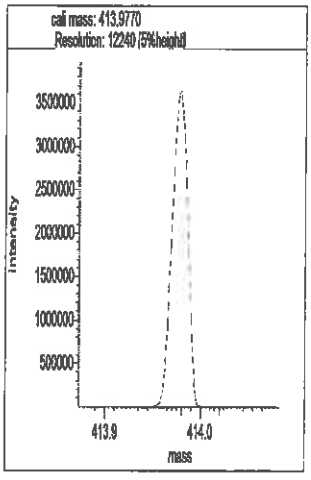

Segment 3

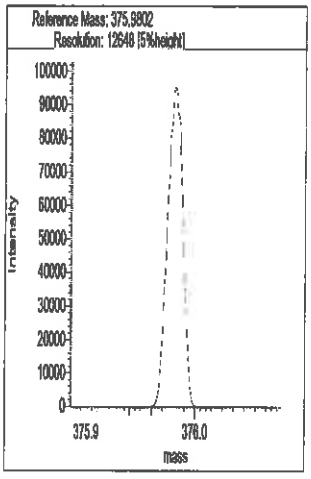
Lock mass 313.9834 [m/z] Resolution: 12651 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 12240 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 12648 [5%height]



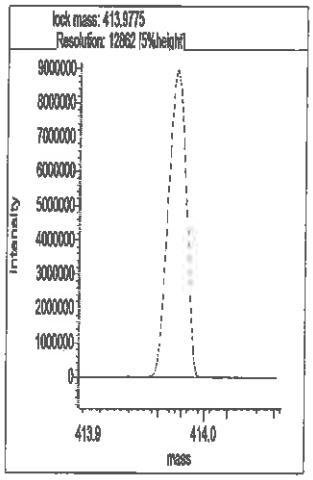



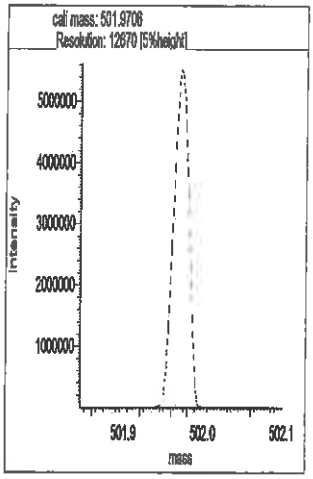

Segment 4

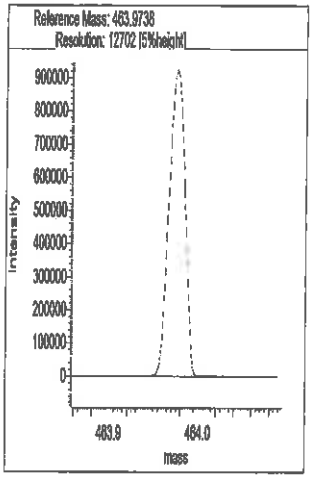
Lock mass 413.9775 [m/z] Resolution: 12862 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 12670 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12702 [5%height]


lock mass: 413.9775
Resolution: 12862 [5%height]
Intensity
9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
413.9
414.0
mass


cal mass: 501.9706
Resolution: 12679 [5%height]
Intensity
5000000
4000000
3000000
2000000
1000000
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12702 [5%height]
Intensity
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
463.9
464.0
mass

```
Reports
09:14:26:  Peak matching procedure started
09:14:26:
09:14:27:  Reference mass: 168.98827
09:14:27:  Sample mass: 214.0
09:14:28:
09:14:28:  Finding reference mass
09:14:29:  Finding sample mass
09:14:30:
09:14:36:  [1]    213.9893 amu, mean: 213.9893
09:14:39:  [2]    213.9892 amu, mean: 213.9892     SD: 0.14 mmu or: 0.64 ppm
09:14:42:  [3]    213.9895 amu, mean: 213.9893     SD: 0.17 mmu or: 0.79 ppm
09:14:45:  [4]    213.9895 amu, mean: 213.9894     SD: 0.17 mmu or: 0.80 ppm
09:14:45:
09:14:45:  Stop requested. Please wait for procedure to finish.
09:14:45:
09:14:48:
09:14:49:  Peakmatching stopped
```

Signature KM 9-26-19

```
Reports
09:15:16:  Peak matching procedure started
09:15:16:
09:15:17:  Reference mass: 213.98975
09:15:17:  Sample mass: 264.0
09:15:18:
09:15:18:  Finding reference mass
09:15:19:  Finding sample mass
09:15:20:
09:15:25:  [1]    263.9863 amu, mean: 263.9863
09:15:28:  [2]    263.9863 amu, mean: 263.9863     SD: 0.07 mmu or: 0.26 ppm
09:15:32:  [3]    263.9862 amu, mean: 263.9863     SD: 0.08 mmu or: 0.29 ppm
09:15:35:  [4]    263.9864 amu, mean: 263.9863     SD: 0.10 mmu or: 0.36 ppm
09:15:35:
09:15:35:  Stop requested. Please wait for procedure to finish.
09:15:35:
09:15:38:
09:15:39:  Peakmatching stopped
```

Signature KM 9-26-19

Reports

```
09:16:04:  Peak matching procedure started
09:16:04:
09:16:05:  Reference mass: 263.98656
09:16:06:  Sample mass: 314.0
09:16:06:
09:16:07:  Finding reference mass
09:16:08:  Finding sample mass
09:16:08:
09:16:14:  [1]    313.9823 amu, mean: 313.9823
09:16:17:  [2]    313.9822 amu, mean: 313.9822     SD: 0.02 mmu or: 0.06 ppm
09:16:20:  [3]    313.9822 amu, mean: 313.9822     SD: 0.02 mmu or: 0.08 ppm
09:16:23:  [4]    313.9821 amu, mean: 313.9822     SD: 0.06 mmu or: 0.20 ppm
09:16:24:
09:16:24:  Stop requested. Please wait for procedure to finish.
09:16:24:
09:16:27:
09:16:27:  Peakmatching stopped
```

Signature VM 9-26-19

```
Reports
09:16:46:  Peak matching procedure started
09:16:46:
09:16:47:  Reference mass: 313.98336
09:16:47:  Sample mass: 376.0
09:16:48:
09:16:48:  Finding reference mass
09:16:49:  Finding sample mass
09:16:50:
09:16:55:  [1]    375.9801 amu, mean: 375.9801
09:16:58:  [2]    375.9797 amu, mean: 375.9799     SD: 0.30 mmu or: 0.79 ppm
09:17:01:  [3]    375.9799 amu, mean: 375.9799     SD: 0.21 mmu or: 0.57 ppm
09:17:05:  [4]    375.9793 amu, mean: 375.9798     SD: 0.34 mmu or: 0.90 ppm
09:17:05:
09:17:05:  Stop requested. Please wait for procedure to finish.
09:17:05:
09:17:08:
09:17:08:  Peakmatching stopped
```

Signature KM 9-26-19

```
Reports
09:16:46:  Peak matching procedure started
09:16:46:
09:16:47:  Reference mass: 313.98336
09:16:47:  Sample mass: 376.0
09:16:48:
09:16:48:  Finding reference mass
09:16:49:  Finding sample mass
09:16:50:
09:16:55:  [1]    375.9801 amu, mean: 375.9801
09:16:58:  [2]    375.9797 amu, mean: 375.9799     SD: 0.30 mmu or: 0.79 ppm
09:17:01:  [3]    375.9799 amu, mean: 375.9799     SD: 0.21 mmu or: 0.57 ppm
09:17:05:  [4]    375.9793 amu, mean: 375.9798     SD: 0.34 mmu or: 0.90 ppm
09:17:05:
09:17:05:  Stop requested. Please wait for procedure to finish.
09:17:05:
09:17:08:
09:17:08:  Peakmatching stopped
```

Signature KM 9-26-19

Reports

```
09:17:31:  Peak matching procedure started
09:17:31:
09:17:32:  Reference mass: 375.98017
09:17:33:  Sample mass: 414.0
09:17:33:
09:17:34:  Finding reference mass
09:17:35:  Finding sample mass
09:17:35:
09:17:41:  [1]    413.9765 amu, mean: 413.9765
09:17:44:  [2]    413.9769 amu, mean: 413.9767     SD: 0.25 mmu or: 0.60 ppm
09:17:47:  [3]    413.9768 amu, mean: 413.9767     SD: 0.19 mmu or: 0.45 ppm
09:17:50:  [4]    413.9773 amu, mean: 413.9769     SD: 0.33 mmu or: 0.79 ppm
09:17:52:
09:17:52:  Stop requested. Please wait for procedure to finish.
09:17:52:
09:17:53:  [5]    413.9775 amu, mean: 413.9770     SD: 0.39 mmu or: 0.94 ppm
09:17:55:
09:17:55:  Peakmatching stopped
```

Signature KM 9-26-19

Reports

```
09:18:18:  Peak matching procedure started
09:18:19:
09:18:19:  Reference mass: 413.97698
09:18:20:  Sample mass: 464.0
09:18:20:
09:18:21:  Finding reference mass
09:18:22:  Finding sample mass
09:18:22:
09:18:28:  [1]    463.9738 amu, mean: 463.9738
09:18:31:  [2]    463.9740 amu, mean: 463.9739      SD: 0.15 mmu or: 0.31 ppm
09:18:34:  [3]    463.9740 amu, mean: 463.9739      SD: 0.11 mmu or: 0.24 ppm
09:18:37:  [4]    463.9745 amu, mean: 463.9741      SD: 0.30 mmu or: 0.66 ppm
09:18:38:
09:18:38:  Stop requested. Please wait for procedure to finish.
09:18:38:
09:18:40:
09:18:41:  Peakmatching stopped
```

Signature KM 9-26-19

```
Reports
09:19:00:  Peak matching procedure started
09:19:00:
09:19:01:  Reference mass: 463.97378
09:19:01:  Sample mass: 502.0
09:19:02:
09:19:02:  Finding reference mass
09:19:04:  Finding sample mass
09:19:04:
09:19:10:  [1]    501.9709 amu, mean: 501.9709
09:19:13:  [2]    501.9705 amu, mean: 501.9707      SD: 0.29 mmu or: 0.57 ppm
09:19:16:  [3]    501.9706 amu, mean: 501.9707      SD: 0.21 mmu or: 0.42 ppm
09:19:19:  [4]    501.9704 amu, mean: 501.9706      SD: 0.21 mmu or: 0.43 ppm
09:19:19:
09:19:19:  Stop requested. Please wait for procedure to finish.
09:19:19:
09:19:23:
09:19:23:  Peakmatching stopped
```

Signature KM 9-26-19

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 25-Sep-2019 22:28:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013185-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 25-Sep-2019 23:53:21 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0310

First Level Reviewer: parslyt Date: 25-Sep-2019 23:53:20

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 148.0 | 148.0 | 0.0814 | 0.0814 | | |
| D PCB-1L | 11:47 | 959922 | 3.07 | 1.3140 | 110.5 | 110.5 | 0.1503 | 0.1503 | 111 | |
| D PCB-3L | 13:57 | 979178 | 3.28 | 1.3615 | 108.8 | 108.8 | 0.1451 | 0.1451 | 109 | |
| PCB-1 | 11:47 | 572272 | 3.18 | 1.1883 | 50.2 | 50.2 | 0.0735 | 0.0735 | 100 | |
| PCB-2 | 13:47 | 563757 | 3.24 | 1.1911 | 48.8 | 48.8 | 0.0813 | 0.0813 | 97.64 | |
| PCB-3 | 13:57 | 581776 | 3.23 | 1.2130 | 49.0 | 49.0 | 0.0895 | 0.0895 | 97.96 | |
| S Total Dichlorobiphenyls | | | | | 540.6 | 540.6 | 0.0395 | 0.0395 | | |
| D PCB-4L | 14:12 | 387206 | 1.57 | 0.5996 | 97.7 | 97.7 | 0.1170 | 0.1170 | 97.72 | |
| * PCB-9L | 16:09 | 660882 | 1.61 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-8L | 17:00 | 300819 | 1.60 | 1.3085 | 43.9 | 43.9 | 0.0710 | 0.0710 | 87.83 | |
| D PCB-15L | 20:03 | 659743 | 1.71 | 1.0280 | 97.1 | 97.1 | 0.0682 | 0.0682 | 97.11 | |
| PCB-4 | 14:13 | 225246 | 1.60 | 1.2533 | 46.4 | 46.4 | 0.0558 | 0.0558 | 92.83 | |
| PCB-10 | 14:23 | 358315 | 1.58 | 1.4828 | 46.2 | 46.2 | 0.0406 | 0.0406 | 92.33 | |
| PCB-9 | 16:10 | 354967 | 1.61 | 1.4200 | 47.8 | 47.8 | 0.0424 | 0.0424 | 95.51 | |
| PCB-7 | 16:20 | 401324 | 1.62 | 1.6244 | 47.2 | 47.2 | 0.0370 | 0.0370 | 94.39 | |
| PCB-6 | 16:35 | 364492 | 1.61 | 1.5539 | 44.8 | 44.8 | 0.0387 | 0.0387 | 89.62 | |
| PCB-5 | 16:53 | 363029 | 1.61 | 1.5606 | 44.4 | 44.4 | 0.0386 | 0.0386 | 88.87 | |
| PCB-8 | 17:00 | 376790 | 1.60 | 1.5884 | 45.3 | 45.3 | 0.0379 | 0.0379 | 90.63 | |
| PCB-14 | 18:38 | 425327 | 1.61 | 1.8738 | 43.4 | 43.4 | 0.0321 | 0.0321 | 86.72 | |
| PCB-11 | 19:28 | 370254 | 1.62 | 1.6347 | 43.3 | 43.3 | 0.0368 | 0.0368 | 86.54 | |
| PCB-12 | 19:47 | 735099 | 1.59 | 1.6410 | 85.6 | 85.6 | 0.0367 | 0.0367 | 85.57 | |
| PCB-13 (C12) | 19:47 | 735099 | 1.59 | 1.6410 | 85.6 | 85.6 | 0.0367 | 0.0367 | 85.57 | |
| PCB-15 | 20:04 | 428402 | 1.62 | 1.4024 | 46.3 | 46.3 | 0.0376 | 0.0376 | 92.60 | |
| S Total Trichlorobiphenyl | | | | | 1148.9 | 1148.9 | 0.1499 | 0.1499 | | |
| D PCB-19L | 17:18 | 201335 | 1.05 | 0.6095 | 97.2 | 97.2 | 1.087 | 1.087 | 97.24 | |
| * PCB-32L | 20:31 | 339713 | 1.05 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:47 | 1391185 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:05 | 705399 | 1.07 | 1.0975 | 46.2 | 46.2 | 0.1824 | 0.1824 | 92.40 | |
| D PCB-37L | 27:04 | 1246076 | 1.06 | 0.9024 | 99.3 | 99.3 | 0.2219 | 0.2219 | 99.25 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:18 | 136763 | 1.10 | 1.3047 | 52.1 | 52.1 | 0.0232 | 0.0232 | 104 | |
| PCB-18 | 19:09 | 398528 | 1.12 | 1.8188 | 108.8 | 108.8 | 0.0166 | 0.0166 | 109 | |
| PCB-30 (C18) | 19:09 | 398528 | 1.12 | 1.8188 | 108.8 | 108.8 | 0.0166 | 0.0166 | 109 | |
| PCB-17 | 19:35 | 162392 | 1.12 | 1.5641 | 51.6 | 51.6 | 0.0193 | 0.0193 | 103 | |
| PCB-27 | 19:48 | 221571 | 1.12 | 2.1680 | 50.8 | 50.8 | 0.0139 | 0.0139 | 102 | |
| PCB-24 | 19:55 | 214883 | 1.12 | 2.1018 | 50.8 | 50.8 | 0.0144 | 0.0144 | 102 | |
| PCB-16 | 20:02 | 127478 | 1.12 | 1.2260 | 51.6 | 51.6 | 0.0246 | 0.0246 | 103 | |
| PCB-32 | 20:33 | 245177 | 1.10 | 2.3416 | 52.0 | 52.0 | 0.0129 | 0.0129 | 104 | |
| PCB-34 | 21:49 | 720077 | 1.07 | 1.2154 | 47.5 | 47.5 | 0.2376 | 0.2376 | 95.09 | |
| PCB-23 | 21:58 | 736843 | 1.06 | 1.2675 | 46.7 | 46.7 | 0.2279 | 0.2279 | 93.31 | |
| PCB-26 | 22:17 | 1486171 | 1.05 | 1.3193 | 90.4 | 90.4 | 0.2189 | 0.2189 | 90.40 | |
| PCB-29 (C26) | 22:17 | 1486171 | 1.05 | 1.3193 | 90.4 | 90.4 | 0.2189 | 0.2189 | 90.40 | |
| PCB-25 | 22:30 | 774838 | 1.06 | 1.3523 | 46.0 | 46.0 | 0.2136 | 0.2136 | 91.97 | |
| PCB-31 | 22:48 | 798834 | 1.06 | 1.3809 | 46.4 | 46.4 | 0.2092 | 0.2092 | 92.85 | |
| PCB-20 | 23:07 | 1454917 | 1.05 | 1.3057 | 89.4 | 89.4 | 0.2212 | 0.2212 | 89.42 | |
| PCB-28 (C20) | 23:07 | 1454917 | 1.05 | 1.3057 | 89.4 | 89.4 | 0.2212 | 0.2212 | 89.42 | |
| PCB-21 | 23:20 | 1537698 | 1.06 | 1.3777 | 89.6 | 89.6 | 0.2096 | 0.2096 | 89.58 | |
| PCB-33 (C21) | 23:20 | 1537698 | 1.06 | 1.3777 | 89.6 | 89.6 | 0.2096 | 0.2096 | 89.58 | |
| PCB-22 | 23:44 | 719371 | 1.07 | 1.2430 | 46.4 | 46.4 | 0.2324 | 0.2324 | 92.89 | |
| PCB-36 | 25:18 | 782860 | 1.05 | 1.3468 | 46.6 | 46.6 | 0.2144 | 0.2144 | 93.29 | |
| PCB-39 | 25:38 | 793746 | 1.06 | 1.3970 | 45.6 | 45.6 | 0.2067 | 0.2067 | 91.19 | |
| PCB-38 | 26:14 | 716526 | 1.05 | 1.3177 | 43.6 | 43.6 | 0.2192 | 0.2192 | 87.28 | |
| PCB-35 | 26:41 | 709970 | 1.01 | 1.2166 | 46.8 | 46.8 | 0.2374 | 0.2374 | 93.66 | |
| PCB-37 | 27:05 | 739569 | 1.06 | 1.2879 | 46.1 | 46.1 | 0.2243 | 0.2243 | 92.17 | |
| S Total Tetrachlorobiphen | | | | | 1936.9 | 1936.9 | 0.1869 | 0.1869 | | |
| D PCB-54L | 20:21 | 298423 | 0.81 | 0.6515 | 134.8 | 134.8 | 0.0908 | 0.0908 | 135 | |
| * PCB-52L | 24:55 | 736911 | 0.81 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-79L | 32:49 | 482064 | 0.80 | 1.1239 | 45.9 | 45.9 | 0.3822 | 0.3822 | 91.74 | |
| D PCB-81L | 33:49 | 924578 | 0.81 | 1.2328 | 101.8 | 101.8 | 0.3951 | 0.3951 | 102 | |
| D PCB-77L | 34:22 | 945463 | 0.82 | 1.2523 | 102.5 | 102.5 | 0.3890 | 0.3890 | 102 | |
| PCB-54 | 20:23 | 163756 | 0.77 | 1.2558 | 43.7 | 43.7 | 0.0208 | 0.0208 | 87.39 | |
| PCB-50 | 22:33 | 858618 | 0.79 | 0.9362 | 98.1 | 98.1 | 0.2401 | 0.2401 | 98.09 | |
| PCB-53 (C50) | 22:33 | 858618 | 0.79 | 0.9362 | 98.1 | 98.1 | 0.2401 | 0.2401 | 98.09 | |
| PCB-45 | 23:17 | 766431 | 0.80 | 0.8850 | 92.6 | 92.6 | 0.2539 | 0.2539 | 92.62 | M |
| PCB-51 (C45) | 23:17 | 766431 | 0.80 | 0.8850 | 92.6 | 92.6 | 0.2539 | 0.2539 | 92.62 | M |
| PCB-46 | 23:31 | 335500 | 0.79 | 0.7591 | 47.3 | 47.3 | 0.2961 | 0.2961 | 94.54 | |
| PCB-52 | 24:56 | 415282 | 0.79 | 0.8992 | 49.4 | 49.4 | 0.2499 | 0.2499 | 98.78 | |
| PCB-43 | 25:05 | 888244 | 0.80 | 0.9993 | 95.1 | 95.1 | 0.2249 | 0.2249 | 95.06 | M |
| PCB-73 (C43) | 25:05 | 888244 | 0.80 | 0.9993 | 95.1 | 95.1 | 0.2249 | 0.2249 | 95.06 | M |
| PCB-49 | 25:23 | 985990 | 0.79 | 1.1366 | 92.8 | 92.8 | 0.1977 | 0.1977 | 92.78 | M |
| PCB-69 (C49) | 25:23 | 985990 | 0.79 | 1.1366 | 92.8 | 92.8 | 0.1977 | 0.1977 | 92.78 | M |
| PCB-48 | 25:42 | 404484 | 0.79 | 0.9454 | 45.8 | 45.8 | 0.2377 | 0.2377 | 91.52 | |
| PCB-44 | 25:57 | 1290897 | 0.79 | 1.0323 | 133.7 | 133.7 | 0.2177 | 0.2177 | 89.16 | |
| PCB-47 (C44) | 25:57 | 1290897 | 0.79 | 1.0323 | 133.7 | 133.7 | 0.2177 | 0.2177 | 89.16 | |
| PCB-65 (C44) | 25:57 | 1290897 | 0.79 | 1.0323 | 133.7 | 133.7 | 0.2177 | 0.2177 | 89.16 | |
| PCB-59 | 26:14 | 1679266 | 0.80 | 1.3609 | 132.0 | 132.0 | 0.1651 | 0.1651 | 87.98 | |
| PCB-62 (C59) | 26:14 | 1679266 | 0.80 | 1.3609 | 132.0 | 132.0 | 0.1651 | 0.1651 | 87.98 | |
| PCB-75 (C59) | 26:14 | 1679266 | 0.80 | 1.3609 | 132.0 | 132.0 | 0.1651 | 0.1651 | 87.98 | |
| PCB-42 | 26:27 | 378827 | 0.78 | 0.8670 | 46.7 | 46.7 | 0.2592 | 0.2592 | 93.46 | |
| PCB-40 | 26:56 | 1177962 | 0.79 | 0.9179 | 137.3 | 137.3 | 0.2448 | 0.2448 | 91.50 | M |
| PCB-41 (C40) | 26:56 | 1177962 | 0.79 | 0.9179 | 137.3 | 137.3 | 0.2448 | 0.2448 | 91.50 | M |
| PCB-71 (C40) | 26:56 | 1177962 | 0.79 | 0.9179 | 137.3 | 137.3 | 0.2448 | 0.2448 | 91.50 | M |
| PCB-64 | 27:10 | 602195 | 0.79 | 1.4164 | 45.5 | 45.5 | 0.1587 | 0.1587 | 90.94 | |
| PCB-72 | 28:00 | 576456 | 0.80 | 1.3157 | 46.9 | 46.9 | 0.1708 | 0.1708 | 93.71 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:17 | 643710 | 0.79 | 1.4782 | 46.6 | 46.6 | 0.1520 | 0.1520 | 93.14 | |
| PCB-57 | 28:42 | 562359 | 0.80 | 1.2817 | 46.9 | 46.9 | 0.1753 | 0.1753 | 93.85 | |
| PCB-58 | 28:56 | 584463 | 0.79 | 1.3214 | 47.3 | 47.3 | 0.1701 | 0.1701 | 94.61 | |
| PCB-67 | 29:07 | 592004 | 0.79 | 1.3944 | 45.4 | 45.4 | 0.1612 | 0.1612 | 90.81 | |
| PCB-63 | 29:22 | 634764 | 0.79 | 1.4685 | 46.2 | 46.2 | 0.1530 | 0.1530 | 92.46 | |
| PCB-61 | 29:42 | 2296272 | 0.79 | 1.3565 | 181.0 | 181.0 | 0.1657 | 0.1657 | 90.52 | |
| PCB-70 (C61) | 29:42 | 2296272 | 0.79 | 1.3565 | 181.0 | 181.0 | 0.1657 | 0.1657 | 90.52 | |
| PCB-74 (C61) | 29:42 | 2296272 | 0.79 | 1.3565 | 181.0 | 181.0 | 0.1657 | 0.1657 | 90.52 | |
| PCB-76 (C61) | 29:42 | 2296272 | 0.79 | 1.3565 | 181.0 | 181.0 | 0.1657 | 0.1657 | 90.52 | |
| PCB-66 | 30:02 | 558109 | 0.77 | 1.2800 | 46.6 | 46.6 | 0.1756 | 0.1756 | 93.27 | |
| PCB-55 | 30:12 | 560345 | 0.79 | 1.2951 | 46.3 | 46.3 | 0.1735 | 0.1735 | 92.54 | |
| PCB-56 | 30:41 | 539740 | 0.80 | 1.2671 | 45.6 | 45.6 | 0.1774 | 0.1774 | 91.11 | |
| PCB-60 | 30:54 | 568927 | 0.80 | 1.3288 | 45.8 | 45.8 | 0.1691 | 0.1691 | 91.58 | |
| PCB-80 | 31:20 | 638080 | 0.82 | 1.4694 | 46.4 | 46.4 | 0.1529 | 0.1529 | 92.89 | |
| PCB-79 | 32:50 | 660474 | 0.79 | 1.5421 | 45.8 | 45.8 | 0.1457 | 0.1457 | 91.61 | |
| PCB-78 | 33:24 | 553037 | 0.79 | 1.3150 | 45.0 | 45.0 | 0.1709 | 0.1709 | 89.96 | |
| PCB-81 | 33:50 | 584639 | 0.79 | 1.3214 | 47.9 | 47.9 | 0.1709 | 0.1709 | 95.70 | |
| PCB-77 | 34:24 | 596991 | 0.80 | 1.3308 | 47.4 | 47.4 | 0.1681 | 0.1681 | 94.89 | |
| S Total Pentachlorobiphen | | | | | 2280.9 | 2280.9 | 0.1237 | 0.1237 | | |
| D PCB-104L | 25:51 | 549814 | 1.63 | 1.1164 | 104.7 | 104.7 | 0.0490 | 0.0490 | 105 | |
| $ PCB-95L | 28:49 | 214107 | 1.63 | 0.7770 | 50.1 | 50.1 | 0.0564 | 0.0564 | 100 | |
| * PCB-101L | 31:45 | 470306 | 1.60 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:26 | 307947 | 1.63 | 1.2177 | 53.8 | 53.8 | 0.0449 | 0.0449 | 108 | |
| D PCB-123L | 36:23 | 1014557 | 1.61 | 0.9909 | 97.0 | 97.0 | 0.4916 | 0.4916 | 97.01 | |
| D PCB-118L | 36:43 | 1056506 | 1.60 | 1.0256 | 97.6 | 97.6 | 0.4750 | 0.4750 | 97.61 | |
| D PCB-114L | 37:15 | 1031556 | 1.62 | 1.0030 | 97.4 | 97.4 | 0.4857 | 0.4857 | 97.45 | |
| D PCB-105L | 37:53 | 1027795 | 1.58 | 1.0013 | 97.3 | 97.3 | 0.4866 | 0.4866 | 97.26 | |
| * PCB-127L | 39:22 | 1055400 | 1.59 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 40:58 | 1032685 | 1.63 | 0.9020 | 108.5 | 108.5 | 0.5401 | 0.5401 | 108 | |
| PCB-104 | 25:53 | 380111 | 1.61 | 1.3926 | 49.6 | 49.6 | 0.0355 | 0.0355 | 99.29 | |
| PCB-96 | 26:14 | 334027 | 1.60 | 1.2268 | 49.5 | 49.5 | 0.0403 | 0.0403 | 99.04 | |
| PCB-103 | 28:11 | 293756 | 1.61 | 1.0331 | 51.7 | 51.7 | 0.0479 | 0.0479 | 103 | |
| PCB-94 | 28:24 | 269361 | 1.61 | 0.9036 | 54.2 | 54.2 | 0.0547 | 0.0547 | 108 | |
| PCB-95 | 28:50 | 274348 | 1.62 | 0.9620 | 51.9 | 51.9 | 0.0514 | 0.0514 | 104 | |
| PCB-93 | 29:04 | 552960 | 1.60 | 0.9806 | 102.6 | 102.6 | 0.0504 | 0.0504 | 103 | |
| PCB-100 (C93) | 29:04 | 552960 | 1.60 | 0.9806 | 102.6 | 102.6 | 0.0504 | 0.0504 | 103 | |
| PCB-98 | 29:12 | 553971 | 1.60 | 0.9888 | 101.9 | 101.9 | 0.0500 | 0.0500 | 102 | M |
| PCB-102 (C98) | 29:12 | 553971 | 1.60 | 0.9888 | 101.9 | 101.9 | 0.0500 | 0.0500 | 102 | M |
| PCB-88 | 29:42 | 552646 | 1.61 | 1.0052 | 100.0 | 100.0 | 0.0492 | 0.0492 | 100 | M |
| PCB-91 (C88) | 29:42 | 552646 | 1.61 | 1.0052 | 100.0 | 100.0 | 0.0492 | 0.0492 | 100 | M |
| PCB-84 | 29:55 | 239033 | 1.62 | 0.8601 | 50.5 | 50.5 | 0.0575 | 0.0575 | 101 | |
| PCB-89 | 30:24 | 253082 | 1.62 | 0.8936 | 51.5 | 51.5 | 0.0553 | 0.0553 | 103 | |
| PCB-121 | 30:49 | 384747 | 1.60 | 1.3971 | 50.1 | 50.1 | 0.0354 | 0.0354 | 100 | |
| PCB-92 | 31:11 | 266974 | 1.63 | 0.9532 | 50.9 | 50.9 | 0.0519 | 0.0519 | 102 | |
| PCB-90 | 31:46 | 947016 | 1.60 | 1.1367 | 151.5 | 151.5 | 0.0435 | 0.0435 | 101 | |
| PCB-101 (C90) | 31:46 | 947016 | 1.60 | 1.1367 | 151.5 | 151.5 | 0.0435 | 0.0435 | 101 | |
| PCB-113 (C90) | 31:46 | 947016 | 1.60 | 1.1367 | 151.5 | 151.5 | 0.0435 | 0.0435 | 101 | |
| PCB-83 | 32:21 | 539393 | 1.62 | 0.9393 | 104.4 | 104.4 | 0.0526 | 0.0526 | 104 | |
| PCB-99 (C83) | 32:21 | 539393 | 1.62 | 0.9393 | 104.4 | 104.4 | 0.0526 | 0.0526 | 104 | |
| PCB-112 | 32:28 | 384874 | 1.62 | 1.3672 | 51.2 | 51.2 | 0.0362 | 0.0362 | 102 | |
| PCB-86 | 32:50 | 1946810 | 1.60 | 1.1958 | 296.1 | 296.1 | 0.0413 | 0.0413 | 98.70 | M |
| PCB-87 (C86) | 32:50 | 1946810 | 1.60 | 1.1958 | 296.1 | 296.1 | 0.0413 | 0.0413 | 98.70 | M |
| PCB-97 (C86) | 32:50 | 1946810 | 1.60 | 1.1958 | 296.1 | 296.1 | 0.0413 | 0.0413 | 98.70 | M |
| PCB-109 (C86) | 32:50 | 1946810 | 1.60 | 1.1958 | 296.1 | 296.1 | 0.0413 | 0.0413 | 98.70 | M |
| PCB-119 (C86) | 32:50 | 1946810 | 1.60 | 1.1958 | 296.1 | 296.1 | 0.0413 | 0.0413 | 98.70 | M |
| PCB-125 (C86) | 32:50 | 1946810 | 1.60 | 1.1958 | 296.1 | 296.1 | 0.0413 | 0.0413 | 98.70 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:34 | 1014228 | 1.59 | 1.2126 | 152.1 | 152.1 | 0.0408 | 0.0408 | 101 | |
| PCB-116 (C85) | 33:34 | 1014228 | 1.59 | 1.2126 | 152.1 | 152.1 | 0.0408 | 0.0408 | 101 | |
| PCB-117 (C85) | 33:34 | 1014228 | 1.59 | 1.2126 | 152.1 | 152.1 | 0.0408 | 0.0408 | 101 | |
| PCB-110 | 33:49 | 766139 | 1.61 | 1.3511 | 103.1 | 103.1 | 0.0366 | 0.0366 | 103 | |
| PCB-115 (C110) | 33:49 | 766139 | 1.61 | 1.3511 | 103.1 | 103.1 | 0.0366 | 0.0366 | 103 | |
| PCB-82 | 34:04 | 257940 | 1.59 | 0.8675 | 54.1 | 54.1 | 0.0570 | 0.0570 | 108 | |
| PCB-111 | 34:27 | 412201 | 1.62 | 1.4262 | 52.6 | 52.6 | 0.0347 | 0.0347 | 105 | |
| PCB-120 | 34:55 | 411891 | 1.61 | 1.4907 | 50.3 | 50.3 | 0.0332 | 0.0332 | 101 | |
| PCB-108 | 36:03 | 1151483 | 1.56 | 1.2547 | 88.9 | 88.9 | 0.2975 | 0.2975 | 88.88 | |
| PCB-124 (C108) | 36:03 | 1151483 | 1.56 | 1.2547 | 88.9 | 88.9 | 0.2975 | 0.2975 | 88.88 | |
| PCB-107 | 36:17 | 646942 | 1.58 | 1.3580 | 46.1 | 46.1 | 0.2749 | 0.2749 | 92.27 | |
| PCB-123 | 36:24 | 632024 | 1.57 | 1.3407 | 46.5 | 46.5 | 0.2835 | 0.2835 | 92.93 | |
| PCB-106 | 36:32 | 579635 | 1.57 | 1.2749 | 44.0 | 44.0 | 0.2928 | 0.2928 | 88.06 | |
| PCB-118 | 36:44 | 638247 | 1.58 | 1.2892 | 46.9 | 46.9 | 0.2835 | 0.2835 | 93.72 | |
| PCB-122 | 37:04 | 553698 | 1.58 | 1.1614 | 46.2 | 46.2 | 0.3214 | 0.3214 | 92.34 | |
| PCB-114 | 37:15 | 658984 | 1.58 | 1.4051 | 45.5 | 45.5 | 0.2599 | 0.2599 | 90.93 | |
| PCB-105 | 37:55 | 601530 | 1.58 | 1.2887 | 45.4 | 45.4 | 0.2893 | 0.2893 | 90.83 | |
| PCB-127 | 39:23 | 622252 | 1.59 | 1.2841 | 46.9 | 46.9 | 0.2907 | 0.2907 | 93.85 | |
| PCB-126 | 41:00 | 617467 | 1.58 | 1.3416 | 44.6 | 44.6 | 0.2858 | 0.2858 | 89.14 | |
| S Total Hexachlorobipheny | | | | | 1916.5 | 1916.5 | 0.1056 | 0.1056 | | |
| D PCB-155L | 31:32 | 558620 | 1.27 | 0.9499 | 125.0 | 125.0 | 0.1151 | 0.1151 | 125 | |
| $ PCB-153L | 38:36 | 358206 | 1.24 | 0.9597 | 42.0 | 42.0 | 0.2753 | 0.2753 | 84.09 | |
| * PCB-138L | 39:50 | 742335 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:50 | 899346 | 1.28 | 1.2544 | 96.6 | 96.6 | 0.2058 | 0.2058 | 96.58 | |
| D PCB-156L | 43:59 | 1782348 | 1.26 | 1.2289 | 195.4 | 195.4 | 0.2101 | 0.2101 | 97.69 | |
| D PCB-157L (C156L) | 43:59 | 1782348 | 1.26 | 1.2289 | 195.4 | 195.4 | 0.2101 | 0.2101 | 97.69 | |
| D PCB-169L | 47:14 | 869197 | 1.28 | 1.0883 | 107.6 | 107.6 | 0.2372 | 0.2372 | 108 | |
| PCB-155 | 31:33 | 324544 | 1.26 | 1.3028 | 44.6 | 44.6 | 0.0108 | 0.0108 | 89.19 | |
| PCB-152 | 31:45 | 301176 | 1.27 | 1.2556 | 42.9 | 42.9 | 0.0112 | 0.0112 | 85.88 | |
| PCB-150 | 31:55 | 309740 | 1.25 | 1.2368 | 44.8 | 44.8 | 0.0114 | 0.0114 | 89.66 | |
| PCB-136 | 32:16 | 289879 | 1.28 | 1.1563 | 44.9 | 44.9 | 0.0122 | 0.0122 | 89.75 | |
| PCB-145 | 32:34 | 301491 | 1.26 | 1.1910 | 45.3 | 45.3 | 0.0118 | 0.0118 | 90.63 | |
| PCB-148 | 34:05 | 236094 | 1.27 | 0.8982 | 47.1 | 47.1 | 0.0157 | 0.0157 | 94.11 | |
| PCB-135 | 34:40 | 437227 | 1.27 | 0.8691 | 90.1 | 90.1 | 0.0162 | 0.0162 | 90.05 | M |
| PCB-151 (C135) | 34:40 | 437227 | 1.27 | 0.8691 | 90.1 | 90.1 | 0.0162 | 0.0162 | 90.05 | M |
| PCB-154 | 34:56 | 249439 | 1.28 | 1.0180 | 43.9 | 43.9 | 0.0138 | 0.0138 | 87.73 | |
| PCB-144 | 35:14 | 228890 | 1.25 | 0.9185 | 44.6 | 44.6 | 0.0153 | 0.0153 | 89.22 | |
| PCB-147 | 35:36 | 767336 | 1.28 | 0.9747 | 88.7 | 88.7 | 0.1556 | 0.1556 | 88.68 | |
| PCB-149 (C147) | 35:36 | 767336 | 1.28 | 0.9747 | 88.7 | 88.7 | 0.1556 | 0.1556 | 88.68 | |
| PCB-134 | 35:54 | 678811 | 1.27 | 0.8518 | 89.8 | 89.8 | 0.1780 | 0.1780 | 89.77 | |
| PCB-143 (C134) | 35:54 | 678811 | 1.27 | 0.8518 | 89.8 | 89.8 | 0.1780 | 0.1780 | 89.77 | |
| PCB-139 | 36:12 | 784682 | 1.26 | 0.9995 | 88.4 | 88.4 | 0.1517 | 0.1517 | 88.44 | |
| PCB-140 (C139) | 36:12 | 784682 | 1.26 | 0.9995 | 88.4 | 88.4 | 0.1517 | 0.1517 | 88.44 | |
| PCB-131 | 36:24 | 342958 | 1.27 | 0.8584 | 45.0 | 45.0 | 0.1767 | 0.1767 | 90.01 | |
| PCB-142 | 36:33 | 342508 | 1.26 | 0.8597 | 44.9 | 44.9 | 0.1764 | 0.1764 | 89.76 | |
| PCB-132 | 36:51 | 346859 | 1.27 | 0.8801 | 44.4 | 44.4 | 0.1723 | 0.1723 | 88.79 | |
| PCB-133 | 37:22 | 359627 | 1.28 | 0.9064 | 44.7 | 44.7 | 0.1673 | 0.1673 | 89.39 | |
| PCB-165 | 37:45 | 454858 | 1.26 | 1.1210 | 45.7 | 45.7 | 0.1353 | 0.1353 | 91.42 | |
| PCB-146 | 38:00 | 392423 | 1.25 | 1.0084 | 43.8 | 43.8 | 0.1504 | 0.1504 | 87.68 | |
| PCB-161 | 38:09 | 517628 | 1.28 | 1.3370 | 43.6 | 43.6 | 0.1134 | 0.1134 | 87.22 | |
| PCB-153 | 38:39 | 987058 | 1.26 | 1.2207 | 91.1 | 91.1 | 0.1242 | 0.1242 | 91.09 | |
| PCB-168 (C153) | 38:39 | 987058 | 1.26 | 1.2207 | 91.1 | 91.1 | 0.1242 | 0.1242 | 91.09 | |
| PCB-141 | 38:49 | 382175 | 1.26 | 0.9608 | 44.8 | 44.8 | 0.1578 | 0.1578 | 89.62 | |
| PCB-130 | 39:13 | 350889 | 1.29 | 0.8274 | 47.8 | 47.8 | 0.1833 | 0.1833 | 95.54 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:26 | 427270 | 1.27 | 1.0582 | 45.5 | 45.5 | 0.1433 | 0.1433 | 90.96 | |
| PCB-164 | 39:34 | 535354 | 1.26 | 1.2527 | 48.1 | 48.1 | 0.1211 | 0.1211 | 96.28 | |
| PCB-129 | 39:52 | 1806849 | 1.26 | 1.0840 | 187.8 | 187.8 | 0.1399 | 0.1399 | 93.89 | M |
| PCB-138 (C129) | 39:52 | 1806849 | 1.26 | 1.0840 | 187.8 | 187.8 | 0.1399 | 0.1399 | 93.89 | M |
| PCB-160 (C129) | 39:52 | 1806849 | 1.26 | 1.0840 | 187.8 | 187.8 | 0.1399 | 0.1399 | 93.89 | M |
| PCB-163 (C129) | 39:52 | 1806849 | 1.26 | 1.0840 | 187.8 | 187.8 | 0.1399 | 0.1399 | 93.89 | M |
| PCB-158 | 40:15 | 576602 | 1.26 | 1.3862 | 46.9 | 46.9 | 0.1094 | 0.1094 | 93.71 | |
| PCB-128 | 41:06 | 933056 | 1.27 | 1.1165 | 94.1 | 94.1 | 0.1358 | 0.1358 | 94.14 | |
| PCB-166 (C128) | 41:06 | 933056 | 1.27 | 1.1165 | 94.1 | 94.1 | 0.1358 | 0.1358 | 94.14 | |
| PCB-159 | 42:06 | 542847 | 1.25 | 1.3178 | 46.4 | 46.4 | 0.1151 | 0.1151 | 92.80 | |
| PCB-162 | 42:24 | 563174 | 1.25 | 1.3623 | 46.6 | 46.6 | 0.1113 | 0.1113 | 93.14 | |
| PCB-167 | 42:52 | 574195 | 1.27 | 1.3357 | 47.8 | 47.8 | 0.0939 | 0.0939 | 95.60 | |
| PCB-156 | 44:01 | 1084198 | 1.27 | 1.2759 | 95.4 | 95.4 | 0.1413 | 0.1413 | 95.35 | |
| PCB-157 (C156) | 44:01 | 1084198 | 1.27 | 1.2759 | 95.4 | 95.4 | 0.1413 | 0.1413 | 95.35 | |
| PCB-169 | 47:15 | 525736 | 1.29 | 1.2825 | 47.2 | 47.2 | 0.1067 | 0.1067 | 94.32 | |
| S Total Heptachlorobiphen | | | | | 1251.4 | 1251.4 | 0.0232 | 0.0232 | | |
| D PCB-188L | 37:15 | 681457 | 1.07 | 1.3162 | 95.6 | 95.6 | 0.0536 | 0.0536 | 95.56 | |
| $ PCB-178L | 40:18 | 270333 | 1.09 | 0.9222 | 54.1 | 54.1 | 0.0766 | 0.0766 | 108 | |
| * PCB-180L | 45:23 | 541838 | 1.10 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:39 | 432471 | 1.09 | 0.8357 | 95.5 | 95.5 | 0.0845 | 0.0845 | 95.51 | |
| D PCB-189L | 49:46 | 1120775 | 1.06 | 1.4666 | 100.0 | 100.0 | 0.6089 | 0.6089 | 100 | |
| PCB-188 | 37:17 | 414827 | 1.07 | 1.2502 | 48.7 | 48.7 | 0.0148 | 0.0148 | 97.38 | |
| PCB-179 | 37:37 | 389800 | 1.07 | 1.4149 | 49.5 | 49.5 | 0.0160 | 0.0160 | 98.93 | |
| PCB-184 | 38:09 | 380397 | 1.07 | 1.4191 | 48.1 | 48.1 | 0.0160 | 0.0160 | 96.26 | |
| PCB-176 | 38:29 | 428826 | 1.07 | 1.5212 | 50.6 | 50.6 | 0.0149 | 0.0149 | 101 | |
| PCB-186 | 38:57 | 431149 | 1.06 | 1.4350 | 53.9 | 53.9 | 0.0158 | 0.0158 | 108 | |
| PCB-178 | 40:20 | 309053 | 1.06 | 1.0228 | 54.3 | 54.3 | 0.0222 | 0.0222 | 109 | |
| PCB-175 | 40:57 | 320755 | 1.09 | 1.0690 | 53.9 | 53.9 | 0.0212 | 0.0212 | 108 | |
| PCB-187 | 41:14 | 320526 | 1.07 | 1.1106 | 51.8 | 51.8 | 0.0204 | 0.0204 | 104 | |
| PCB-182 | 41:26 | 334576 | 1.07 | 1.1484 | 52.3 | 52.3 | 0.0197 | 0.0197 | 105 | |
| PCB-183 | 41:51 | 660106 | 1.06 | 1.1368 | 104.3 | 104.3 | 0.0199 | 0.0199 | 104 | M |
| PCB-185 (C183) | 41:51 | 660106 | 1.06 | 1.1368 | 104.3 | 104.3 | 0.0199 | 0.0199 | 104 | M |
| PCB-174 | 42:05 | 286565 | 1.06 | 0.9547 | 53.9 | 53.9 | 0.0237 | 0.0237 | 108 | |
| PCB-177 | 42:31 | 276645 | 1.10 | 0.9426 | 52.7 | 52.7 | 0.0240 | 0.0240 | 105 | |
| PCB-181 | 42:54 | 322002 | 1.09 | 1.1075 | 52.2 | 52.2 | 0.0205 | 0.0205 | 104 | |
| PCB-171 | 43:08 | 561885 | 1.07 | 0.9603 | 105.0 | 105.0 | 0.0236 | 0.0236 | 105 | |
| PCB-173 (C171) | 43:08 | 561885 | 1.07 | 0.9603 | 105.0 | 105.0 | 0.0236 | 0.0236 | 105 | |
| PCB-172 | 44:46 | 285702 | 1.08 | 0.9918 | 51.7 | 51.7 | 0.0228 | 0.0228 | 103 | |
| PCB-192 | 45:03 | 389646 | 1.07 | 1.2904 | 54.2 | 54.2 | 0.0176 | 0.0176 | 108 | |
| PCB-180 | 45:23 | 728663 | 1.07 | 1.2286 | 106.5 | 106.5 | 0.0184 | 0.0184 | 106 | |
| PCB-193 (C180) | 45:23 | 728663 | 1.07 | 1.2286 | 106.5 | 106.5 | 0.0184 | 0.0184 | 106 | |
| PCB-191 | 45:46 | 414896 | 1.07 | 1.3848 | 53.8 | 53.8 | 0.0164 | 0.0164 | 108 | |
| PCB-170 | 46:40 | 296362 | 1.07 | 1.2700 | 54.0 | 54.0 | 0.0231 | 0.0231 | 108 | |
| PCB-190 | 47:12 | 409684 | 1.08 | 1.3774 | 53.4 | 53.4 | 0.0165 | 0.0165 | 107 | |
| PCB-189 | 49:47 | 669316 | 1.06 | 1.2799 | 46.7 | 46.7 | 0.0990 | 0.0990 | 93.32 | |
| S Total Octachlorobipheny | | | | | 554.0 | 554.0 | 0.0788 | 0.0788 | | |
| D PCB-202L | 42:37 | 579544 | 0.90 | 1.0055 | 106.4 | 106.4 | 0.0861 | 0.0861 | 106 | |
| * PCB-194L | 51:52 | 764148 | 0.91 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:21 | 902053 | 0.90 | 1.2867 | 91.7 | 91.7 | 0.3570 | 0.3570 | 91.74 | |
| PCB-202 | 42:39 | 271802 | 0.90 | 1.0531 | 44.5 | 44.5 | 0.0142 | 0.0142 | 89.07 | |
| PCB-201 | 43:34 | 307973 | 0.92 | 1.1860 | 44.8 | 44.8 | 0.0126 | 0.0126 | 89.61 | |
| PCB-204 | 44:15 | 290867 | 0.91 | 1.1009 | 45.6 | 45.6 | 0.0135 | 0.0135 | 91.18 | |
| PCB-197 | 44:28 | 324145 | 0.90 | 1.2053 | 46.4 | 46.4 | 0.0124 | 0.0124 | 92.81 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:35 | 284180 | 0.90 | 1.1260 | 43.5 | 43.5 | 0.0132 | 0.0132 | 87.09 | |
| PCB-198 | 47:22 | 429963 | 0.90 | 0.8183 | 90.7 | 90.7 | 0.0182 | 0.0182 | 90.67 | |
| PCB-199 (C198) | 47:22 | 429963 | 0.90 | 0.8183 | 90.7 | 90.7 | 0.0182 | 0.0182 | 90.67 | |
| PCB-196 | 48:03 | 227702 | 0.89 | 0.8748 | 44.9 | 44.9 | 0.0170 | 0.0170 | 89.83 | |
| PCB-203 | 48:14 | 244118 | 0.90 | 0.9219 | 45.7 | 45.7 | 0.0162 | 0.0162 | 91.38 | |
| PCB-195 | 49:33 | 367134 | 0.91 | 0.7839 | 51.9 | 51.9 | 0.3023 | 0.3023 | 104 | |
| PCB-194 | 51:54 | 410658 | 0.91 | 0.9282 | 49.0 | 49.0 | 0.2553 | 0.2553 | 98.10 | |
| PCB-205 | 52:22 | 521890 | 0.90 | 1.2342 | 46.9 | 46.9 | 0.1920 | 0.1920 | 93.75 | |
| S Total Nonachlorobipheny | | | | | 143.9 | 143.9 | 0.3429 | 0.3429 | | |
| D PCB-208L | 49:18 | 786516 | 0.80 | 1.1383 | 90.4 | 90.4 | 0.6290 | 0.6290 | 90.42 | |
| D PCB-206L | 54:07 | 567149 | 0.78 | 0.8938 | 83.0 | 83.0 | 0.8010 | 0.8010 | 83.03 | |
| PCB-208 | 49:20 | 426330 | 0.79 | 1.1567 | 46.9 | 46.9 | 0.3053 | 0.3053 | 93.72 | |
| PCB-207 | 50:15 | 472635 | 0.79 | 1.3964 | 50.0 | 50.0 | 0.2982 | 0.2982 | 100 | |
| PCB-206 | 54:08 | 318193 | 0.78 | 1.1927 | 47.0 | 47.0 | 0.4252 | 0.4252 | 94.08 | |
| D PCB-209L | 55:45 | 567335 | 0.72 | 0.9809 | 75.7 | 75.7 | 0.0569 | 0.0569 | 75.69 | |
| DCB Decachlorobiphenyl | 55:47 | 340916 | 0.72 | 1.2455 | 48.2 | 48.2 | 0.0157 | 0.0157 | 96.49 | |
| S Polychlorinated bipheny | | | | | 9821.4 | 9821.4 | 0.1185 | 0.1185 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 25-Sep-2019 22:28:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013185-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 25-Sep-2019 23:53:21 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0310

First Level Reviewer: parslyt Date: 25-Sep-2019 23:53:20

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:47 | 11:47 | 1 | 0.729 | 723812 | 299519 | 67 | 167 | 4470 | | |
| 202.0766 | 11:47 | 11:47 | 1 | 0.729 | 236110 | 95548 | 93 | 232 | 1027 | 3.07(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:57 | 13:57 | 2 | 0.863 | 750502 | 243259 | 67 | 167 | 3631 | | |
| 202.0766 | 13:57 | 13:57 | 2 | 0.863 | 228676 | 74617 | 93 | 232 | 802 | 3.28(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:47 | 11:47 | 0 | 1.001 | 435518 | 176673 | 102 | 255 | 1732 | | |
| 190.0363 | 11:47 | 11:47 | 0 | 1.001 | 136754 | 55942 | 36 | 90 | 1554 | 3.18(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:47 | 13:47 | 0 | 0.988 | 430870 | 149019 | 102 | 255 | 1461 | | |
| 190.0363 | 13:47 | 13:47 | 0 | 0.988 | 132887 | 45949 | 36 | 90 | 1276 | 3.24(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:57 | 0 | 1.000 | 444147 | 139742 | 102 | 255 | 1370 | | |
| 190.0363 | 13:57 | 13:57 | 0 | 1.000 | 137629 | 43921 | 36 | 90 | 1220 | 3.23(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:12 | 14:12 | 2 | 0.879 | 236287 | 80155 | 43 | 107 | 1864 | | |
| 236.0376 | 14:12 | 14:12 | 2 | 0.879 | 150919 | 51346 | 14 | 35 | 3668 | 1.57(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:09 | 0 | | 407599 | 124763 | 43 | 107 | 2901 | | |
| 236.0376 | 16:09 | 16:09 | 0 | | 253283 | 77730 | 14 | 35 | 5552 | 1.61(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:00 | 17:00 | 0 | 1.197 | 185016 | 51918 | 43 | 107 | 1207 | | |
| 236.0376 | 17:00 | 17:00 | 0 | 1.197 | 115803 | 32498 | 14 | 35 | 2321 | 1.60(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:03 | 20:04 | 1 | 1.241 | 416201 | 108119 | 43 | 107 | 2514 | | |
| 236.0376 | 20:03 | 20:04 | 1 | 1.241 | 243542 | 66122 | 14 | 35 | 4723 | 1.71(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:13 | 14:13 | 0 | 1.001 | 138702 | 47394 | 24 | 60 | 1975 | | |
| 223.9974 | 14:13 | 14:13 | 0 | 1.001 | 86544 | 29440 | 13 | 32 | 2265 | 1.60(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:23 | 14:23 | 0 | 1.013 | 219633 | 72449 | 24 | 60 | 3019 | | |
| 223.9974 | 14:23 | 14:23 | 0 | 1.013 | 138682 | 45902 | 13 | 32 | 3531 | 1.58(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:10 | 16:10 | 0 | 1.139 | 219160 | 66330 | 24 | 60 | 2764 | | |
| 223.9974 | 16:10 | 16:10 | 0 | 1.139 | 135807 | 41890 | 13 | 32 | 3222 | 1.61(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:20 | 0 | 1.151 | 247939 | 74478 | 24 | 60 | 3103 | | |
| 223.9974 | 16:20 | 16:20 | 0 | 1.151 | 153385 | 45747 | 13 | 32 | 3519 | 1.62(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:35 | 16:35 | 0 | 1.168 | 224745 | 66263 | 24 | 60 | 2761 | | |
| 223.9974 | 16:35 | 16:35 | 0 | 1.168 | 139747 | 41751 | 13 | 32 | 3212 | 1.61(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:53 | 16:53 | 0 | 1.189 | 223937 | 64454 | 24 | 60 | 2686 | | |
| 223.9974 | 16:53 | 16:53 | 0 | 1.189 | 139092 | 40556 | 13 | 32 | 3120 | 1.61(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:00 | 17:00 | 0 | 1.198 | 231880 | 66989 | 24 | 60 | 2791 | | |
| 223.9974 | 17:00 | 17:00 | 0 | 1.198 | 144910 | 41495 | 13 | 32 | 3192 | 1.60(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | 18:38 | 0 | 0.929 | 262156 | 70546 | 24 | 60 | 2939 | | |
| 223.9974 | 18:38 | 18:38 | 0 | 0.929 | 163171 | 43624 | 13 | 32 | 3356 | 1.61(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:28 | 19:28 | 0 | 0.971 | 228809 | 58939 | 24 | 60 | 2456 | | |
| 223.9974 | 19:27 | 19:28 | -1 | 0.970 | 141445 | 36398 | 13 | 32 | 2800 | 1.62(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 0 | 0.986 | 451416 | 70927 | 24 | 60 | 2955 | | |
| 223.9974 | 19:47 | 19:47 | 0 | 0.986 | 283683 | 44559 | 13 | 32 | 3428 | 1.59(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 0 | 0.986 | 451416 | 70927 | 24 | 60 | 2955 | | |
| 223.9974 | 19:47 | 19:47 | 0 | 0.986 | 283683 | 44559 | 13 | 32 | 3428 | 1.59(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:04 | 20:04 | 0 | 1.001 | 264757 | 62528 | 24 | 60 | 2605 | | |
| 223.9974 | 20:04 | 20:04 | 0 | 1.001 | 163645 | 38436 | 13 | 32 | 2957 | 1.62(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:18 | 17:17 | 2 | 0.843 | 103130 | 28921 | 181 | 452 | 160 | | |
| 269.9986 | 17:18 | 17:17 | 2 | 0.843 | 98205 | 27339 | 43 | 107 | 636 | 1.05(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:31 | 20:31 | 0 | | 174314 | 42720 | 181 | 452 | 236 | | |
| 269.9986 | 20:31 | 20:31 | 0 | | 165399 | 41794 | 43 | 107 | 972 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:47 | 0 | | 715517 | 171287 | 154 | 385 | 1112 | | |
| 269.9986 | 22:47 | 22:47 | 0 | | 675668 | 160831 | 112 | 280 | 1436 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:05 | 23:05 | 0 | 1.013 | 365280 | 86085 | 154 | 385 | 559 | | |
| 269.9986 | 23:05 | 23:05 | 0 | 1.013 | 340119 | 81194 | 112 | 280 | 725 | 1.07(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:06 | 0 | 1.188 | 639806 | 141160 | 154 | 385 | 917 | | |
| 269.9986 | 27:04 | 27:06 | 0 | 1.188 | 606270 | 133057 | 112 | 280 | 1188 | 1.06(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | 17:18 | 0 | 1.001 | 71719 | 20888 | 3 | 7 | 6963 | | |
| 257.9584 | 17:18 | 17:18 | 0 | 1.001 | 65044 | 19113 | 4 | 10 | 4778 | 1.10(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.107 | 210103 | 45836 | 3 | 7 | 15279 | | |
| 257.9584 | 19:09 | 19:09 | 0 | 1.107 | 188425 | 41200 | 4 | 10 | 10300 | 1.12(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.107 | 210103 | 45836 | 3 | 7 | 15279 | | |
| 257.9584 | 19:09 | 19:09 | 0 | 1.107 | 188425 | 41200 | 4 | 10 | 10300 | 1.12(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:35 | 19:35 | 0 | 1.132 | 85832 | 22984 | 3 | 7 | 7661 | | |
| 257.9584 | 19:35 | 19:35 | 0 | 1.132 | 76560 | 20486 | 4 | 10 | 5122 | 1.12(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | 19:48 | 0 | 1.144 | 116889 | 31201 | 3 | 7 | 10400 | | |
| 257.9584 | 19:48 | 19:48 | 0 | 1.144 | 104682 | 27556 | 4 | 10 | 6889 | 1.12(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:55 | 19:55 | 0 | 1.152 | 113353 | 29533 | 3 | 7 | 9844 | | |
| 257.9584 | 19:55 | 19:55 | 0 | 1.152 | 101530 | 26385 | 4 | 10 | 6596 | 1.12(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:02 | 20:02 | 0 | 1.159 | 67216 | 17678 | 3 | 7 | 5893 | | |
| 257.9584 | 20:02 | 20:02 | 0 | 1.159 | 60262 | 16162 | 4 | 10 | 4041 | 1.12(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:33 | 20:33 | 0 | 1.188 | 128568 | 33527 | 3 | 7 | 11176 | | |
| 257.9584 | 20:33 | 20:33 | 0 | 1.188 | 116609 | 29929 | 4 | 10 | 7482 | 1.10(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:49 | 21:49 | 0 | 1.261 | 372011 | 92843 | 155 | 387 | 599 | | |
| 257.9584 | 21:49 | 21:49 | 0 | 1.261 | 348066 | 86002 | 162 | 405 | 531 | 1.07(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | 21:58 | 0 | 1.270 | 379020 | 94080 | 155 | 387 | 607 | | |
| 257.9584 | 21:58 | 21:58 | 0 | 1.270 | 357823 | 88290 | 162 | 405 | 545 | 1.06(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:17 | 0 | 1.289 | 762396 | 144368 | 155 | 387 | 931 | | |
| 257.9584 | 22:17 | 22:17 | 0 | 1.289 | 723775 | 136543 | 162 | 405 | 843 | 1.05(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:17 | 0 | 1.289 | 762396 | 144368 | 155 | 387 | 931 | | |
| 257.9584 | 22:17 | 22:17 | 0 | 1.289 | 723775 | 136543 | 162 | 405 | 843 | 1.05(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:30 | 0 | 0.831 | 399063 | 92036 | 155 | 387 | 594 | | |
| 257.9584 | 22:30 | 22:30 | 0 | 0.831 | 375775 | 86577 | 162 | 405 | 534 | 1.06(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:48 | 22:48 | 0 | 0.842 | 410595 | 99127 | 155 | 387 | 640 | | |
| 257.9584 | 22:48 | 22:48 | 0 | 0.842 | 388239 | 94020 | 162 | 405 | 580 | 1.06(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:07 | 0 | 0.854 | 744393 | 152396 | 155 | 387 | 983 | | |
| 257.9584 | 23:07 | 23:07 | 0 | 0.854 | 710524 | 145600 | 162 | 405 | 899 | 1.05(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:07 | 0 | 0.854 | 744393 | 152396 | 155 | 387 | 983 | | |
| 257.9584 | 23:07 | 23:07 | 0 | 0.854 | 710524 | 145600 | 162 | 405 | 899 | 1.05(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:20 | 0 | 0.862 | 789509 | 101544 | 155 | 387 | 655 | | |
| 257.9584 | 23:20 | 23:20 | 0 | 0.862 | 748189 | 95670 | 162 | 405 | 591 | 1.06(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:20 | 23:20 | 0 | 0.862 | 789509 | 101544 | 155 | 387 | 655 | | |
| 257.9584 | 23:20 | 23:20 | 0 | 0.862 | 748189 | 95670 | 162 | 405 | 591 | 1.06(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:44 | 0 | 0.877 | 371509 | 87004 | 155 | 387 | 561 | | |
| 257.9584 | 23:44 | 23:44 | 0 | 0.877 | 347862 | 82256 | 162 | 405 | 508 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:18 | 25:18 | 0 | 0.935 | 400546 | 87086 | 155 | 387 | 562 | | |
| 257.9584 | 25:17 | 25:18 | -1 | 0.934 | 382314 | 83897 | 162 | 405 | 518 | 1.05(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:38 | 25:38 | 0 | 0.947 | 408042 | 89363 | 155 | 387 | 577 | | |
| 257.9584 | 25:38 | 25:38 | 0 | 0.947 | 385704 | 84480 | 162 | 405 | 521 | 1.06(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:14 | 26:14 | 0 | 0.969 | 366605 | 83627 | 155 | 387 | 540 | | |
| 257.9584 | 26:14 | 26:14 | 0 | 0.969 | 349921 | 79244 | 162 | 405 | 489 | 1.05(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:41 | 26:41 | 0 | 0.986 | 355920 | 79495 | 155 | 387 | 513 | | |
| 257.9584 | 26:41 | 26:41 | 0 | 0.986 | 354050 | 75542 | 162 | 405 | 466 | 1.01(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:05 | 27:05 | 0 | 1.001 | 379881 | 82956 | 155 | 387 | 535 | | |
| 257.9584 | 27:05 | 27:05 | 0 | 1.001 | 359688 | 78518 | 162 | 405 | 485 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:21 | 1 | 0.817 | 133170 | 35121 | 13 | 32 | 2702 | | |
| 303.9597 | 20:21 | 20:21 | 1 | 0.817 | 165253 | 41374 | 7 | 17 | 5911 | 0.81(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:55 | 24:55 | 0 | | 330685 | 75870 | 139 | 347 | 546 | | |
| 303.9597 | 24:55 | 24:55 | 0 | | 406226 | 92884 | 190 | 475 | 489 | 0.81(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:49 | 32:49 | 0 | 0.970 | 214882 | 45709 | 139 | 347 | 329 | | |
| 303.9597 | 32:49 | 32:49 | 0 | 0.970 | 267182 | 56250 | 190 | 475 | 296 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:49 | 33:50 | 0 | 1.358 | 412687 | 84511 | 139 | 347 | 608 | | |
| 303.9597 | 33:49 | 33:50 | 0 | 1.358 | 511891 | 105942 | 190 | 475 | 558 | 0.81(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:22 | 34:24 | -1 | 1.380 | 426888 | 86720 | 139 | 347 | 624 | | |
| 303.9597 | 34:22 | 34:24 | -1 | 1.380 | 518575 | 105496 | 190 | 475 | 555 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:23 | 20:23 | 0 | 1.000 | 71340 | 18338 | 3 | 7 | 6113 | | |
| 291.9194 | 20:23 | 20:23 | 0 | 1.000 | 92416 | 23286 | 5 | 12 | 4657 | 0.77(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:33 | 0 | 1.108 | 378822 | 70435 | 70 | 175 | 1006 | | |
| 291.9194 | 22:33 | 22:33 | 0 | 1.108 | 479796 | 89578 | 102 | 255 | 878 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:33 | 22:33 | 0 | 1.108 | 378822 | 70435 | 70 | 175 | 1006 | | |
| 291.9194 | 22:33 | 22:33 | 0 | 1.108 | 479796 | 89578 | 102 | 255 | 878 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:17 | 23:17 | 0 | 1.144 | 340435 | 44195 | 70 | 175 | 631 | | M |
| 291.9194 | 23:17 | 23:17 | 0 | 1.144 | 425996 | 55383 | 102 | 255 | 543 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:17 | 23:17 | 0 | 1.144 | 340435 | 44195 | 70 | 175 | 631 | | M |
| 291.9194 | 23:17 | 23:17 | 0 | 1.144 | 425996 | 55383 | 102 | 255 | 543 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:31 | 23:31 | 0 | 1.155 | 148269 | 36172 | 70 | 175 | 517 | | |
| 291.9194 | 23:31 | 23:31 | 0 | 1.155 | 187231 | 45482 | 102 | 255 | 446 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:56 | 0 | 1.225 | 183553 | 43118 | 70 | 175 | 616 | | |
| 291.9194 | 24:56 | 24:56 | 0 | 1.225 | 231729 | 55010 | 102 | 255 | 539 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:05 | 25:05 | 0 | 1.232 | 393603 | 55769 | 70 | 175 | 797 | | M |
| 291.9194 | 25:05 | 25:05 | 0 | 1.232 | 494641 | 70329 | 102 | 255 | 690 | 0.80(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:05 | 25:05 | 0 | 1.232 | 393603 | 55769 | 70 | 175 | 797 | | M |
| 291.9194 | 25:05 | 25:05 | 0 | 1.232 | 494641 | 70329 | 102 | 255 | 690 | 0.80(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | M |
| 289.9224 | 25:23 | 25:23 | 0 | 1.247 | 436245 | 69500 | 70 | 175 | 993 | | M |
| 291.9194 | 25:23 | 25:23 | 0 | 1.247 | 549745 | 86649 | 102 | 255 | 850 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | M |
| 289.9224 | 25:23 | 25:23 | 0 | 1.247 | 436245 | 69500 | 70 | 175 | 993 | | M |
| 291.9194 | 25:23 | 25:23 | 0 | 1.247 | 549745 | 86649 | 102 | 255 | 850 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:42 | 25:42 | 0 | 1.263 | 178387 | 41712 | 70 | 175 | 596 | | |
| 291.9194 | 25:42 | 25:42 | 0 | 1.263 | 226097 | 53221 | 102 | 255 | 522 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:57 | 0 | 1.275 | 571238 | 99492 | 70 | 175 | 1421 | | |
| 291.9194 | 25:57 | 25:57 | 0 | 1.275 | 719659 | 125094 | 102 | 255 | 1226 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:57 | 0 | 1.275 | 571238 | 99492 | 70 | 175 | 1421 | | |
| 291.9194 | 25:57 | 25:57 | 0 | 1.275 | 719659 | 125094 | 102 | 255 | 1226 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:57 | 0 | 1.275 | 571238 | 99492 | 70 | 175 | 1421 | | |
| 291.9194 | 25:57 | 25:57 | 0 | 1.275 | 719659 | 125094 | 102 | 255 | 1226 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:14 | 0 | 1.289 | 744425 | 113732 | 70 | 175 | 1625 | | |
| 291.9194 | 26:14 | 26:14 | 0 | 1.289 | 934841 | 141097 | 102 | 255 | 1383 | 0.80(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:14 | 0 | 1.289 | 744425 | 113732 | 70 | 175 | 1625 | | |
| 291.9194 | 26:14 | 26:14 | 0 | 1.289 | 934841 | 141097 | 102 | 255 | 1383 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:14 | 0 | 1.289 | 744425 | 113732 | 70 | 175 | 1625 | | |
| 291.9194 | 26:14 | 26:14 | 0 | 1.289 | 934841 | 141097 | 102 | 255 | 1383 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:27 | 26:27 | 0 | 1.300 | 166098 | 38602 | 70 | 175 | 551 | | |
| 291.9194 | 26:27 | 26:27 | 0 | 1.300 | 212729 | 48386 | 102 | 255 | 474 | 0.78(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:56 | 0 | 1.324 | 519730 | 78442 | 70 | 175 | 1121 | | M |
| 291.9194 | 26:56 | 26:56 | 0 | 1.324 | 658232 | 99336 | 102 | 255 | 974 | 0.79(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:56 | 0 | 1.324 | 519730 | 78442 | 70 | 175 | 1121 | | M |
| 291.9194 | 26:56 | 26:56 | 0 | 1.324 | 658232 | 99336 | 102 | 255 | 974 | 0.79(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:56 | 0 | 1.324 | 519730 | 78442 | 70 | 175 | 1121 | | M |
| 291.9194 | 26:56 | 26:56 | 0 | 1.324 | 658232 | 99336 | 102 | 255 | 974 | 0.79(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:10 | 27:10 | 0 | 1.335 | 265414 | 60292 | 70 | 175 | 861 | | |
| 291.9194 | 27:10 | 27:10 | 0 | 1.335 | 336781 | 75276 | 102 | 255 | 738 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:00 | 28:00 | 0 | 0.828 | 255479 | 57769 | 70 | 175 | 825 | | |
| 291.9194 | 28:00 | 28:00 | 0 | 0.828 | 320977 | 72104 | 102 | 255 | 707 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:17 | 28:17 | 0 | 0.836 | 284529 | 61022 | 70 | 175 | 872 | | |
| 291.9194 | 28:17 | 28:17 | 0 | 0.836 | 359181 | 76716 | 102 | 255 | 752 | 0.79(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:42 | 28:42 | 0 | 0.849 | 249919 | 55095 | 70 | 175 | 787 | | |
| 291.9194 | 28:42 | 28:42 | 0 | 0.849 | 312440 | 69373 | 102 | 255 | 680 | 0.80(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:56 | 28:56 | 0 | 0.856 | 258766 | 55642 | 70 | 175 | 795 | | |
| 291.9194 | 28:56 | 28:56 | 0 | 0.856 | 325697 | 70147 | 102 | 255 | 688 | 0.79(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:07 | 29:07 | 0 | 0.861 | 262157 | 54570 | 70 | 175 | 780 | | |
| 291.9194 | 29:07 | 29:07 | 0 | 0.861 | 329847 | 68673 | 102 | 255 | 673 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:22 | 29:22 | 0 | 0.868 | 280940 | 60768 | 70 | 175 | 868 | | |
| 291.9194 | 29:22 | 29:22 | 0 | 0.868 | 353824 | 75439 | 102 | 255 | 740 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | 0 | 0.878 | 1015160 | 112853 | 70 | 175 | 1612 | | |
| 291.9194 | 29:42 | 29:42 | 0 | 0.878 | 1281112 | 141581 | 102 | 255 | 1388 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | 0 | 0.878 | 1015160 | 112853 | 70 | 175 | 1612 | | |
| 291.9194 | 29:42 | 29:42 | 0 | 0.878 | 1281112 | 141581 | 102 | 255 | 1388 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | 0 | 0.878 | 1015160 | 112853 | 70 | 175 | 1612 | | |
| 291.9194 | 29:42 | 29:42 | 0 | 0.878 | 1281112 | 141581 | 102 | 255 | 1388 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:42 | 29:42 | 0 | 0.878 | 1015160 | 112853 | 70 | 175 | 1612 | | |
| 291.9194 | 29:42 | 29:42 | 0 | 0.878 | 1281112 | 141581 | 102 | 255 | 1388 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:02 | 30:02 | 0 | 0.888 | 242724 | 52608 | 70 | 175 | 752 | | |
| 291.9194 | 30:02 | 30:02 | 0 | 0.888 | 315385 | 65539 | 102 | 255 | 643 | 0.77(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:12 | 30:12 | 0 | 0.893 | 247408 | 52952 | 70 | 175 | 756 | | |
| 291.9194 | 30:12 | 30:12 | 0 | 0.893 | 312937 | 67003 | 102 | 255 | 657 | 0.79(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:41 | 30:41 | 0 | 0.907 | 239111 | 52049 | 70 | 175 | 744 | | |
| 291.9194 | 30:41 | 30:41 | 0 | 0.907 | 300629 | 65738 | 102 | 255 | 644 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:54 | 30:54 | 0 | 0.914 | 252103 | 53898 | 70 | 175 | 770 | | |
| 291.9194 | 30:54 | 30:54 | 0 | 0.914 | 316824 | 67761 | 102 | 255 | 664 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:20 | 31:20 | 0 | 0.926 | 286748 | 62064 | 70 | 175 | 887 | | |
| 291.9194 | 31:20 | 31:20 | 0 | 0.926 | 351332 | 76321 | 102 | 255 | 748 | 0.82(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:50 | 32:50 | 0 | 0.971 | 291857 | 59593 | 70 | 175 | 851 | | |
| 291.9194 | 32:50 | 32:50 | 0 | 0.971 | 368617 | 74967 | 102 | 255 | 735 | 0.79(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:24 | 33:24 | 0 | 0.988 | 244611 | 51102 | 70 | 175 | 730 | | |
| 291.9194 | 33:24 | 33:24 | 0 | 0.988 | 308426 | 64429 | 102 | 255 | 632 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:50 | 33:50 | 0 | 1.000 | 258452 | 53329 | 70 | 175 | 762 | | |
| 291.9194 | 33:50 | 33:50 | 0 | 1.000 | 326187 | 68086 | 102 | 255 | 668 | 0.79(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:24 | 34:24 | 0 | 1.001 | 265266 | 54882 | 70 | 175 | 784 | | |
| 291.9194 | 34:24 | 34:24 | 0 | 1.001 | 331725 | 68350 | 102 | 255 | 670 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:51 | 0 | 0.814 | 340683 | 77112 | 13 | 32 | 5932 | | |
| 339.9178 | 25:51 | 25:51 | 0 | 0.814 | 209131 | 48293 | 9 | 22 | 5366 | 1.63(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:49 | 28:49 | 0 | 1.114 | 132690 | 28727 | 13 | 32 | 2210 | | |
| 339.9178 | 28:49 | 28:49 | 0 | 1.114 | 81417 | 18242 | 9 | 22 | 2027 | 1.63(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:45 | 31:45 | 0 | | 289378 | 62102 | 13 | 32 | 4777 | | |
| 339.9178 | 31:45 | 31:45 | 0 | | 180928 | 38483 | 9 | 22 | 4276 | 1.60(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:26 | 34:26 | 0 | 1.085 | 190678 | 40383 | 13 | 32 | 3106 | | |
| 339.9178 | 34:26 | 34:26 | 0 | 1.085 | 117269 | 25275 | 9 | 22 | 2808 | 1.63(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:23 | 36:23 | -1 | 1.146 | 625784 | 126773 | 257 | 642 | 493 | | |
| 339.9178 | 36:23 | 36:23 | -1 | 1.146 | 388773 | 78483 | 151 | 377 | 520 | 1.61(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:43 | 36:42 | 0 | 1.156 | 649605 | 130791 | 257 | 642 | 509 | | |
| 339.9178 | 36:43 | 36:42 | 0 | 1.156 | 406901 | 82619 | 151 | 377 | 547 | 1.60(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:15 | 37:14 | 0 | 1.173 | 637194 | 131846 | 257 | 642 | 513 | | |
| 339.9178 | 37:15 | 37:14 | 0 | 1.173 | 394362 | 81713 | 151 | 377 | 541 | 1.62(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:53 | 37:53 | 0 | 1.193 | 629564 | 127665 | 257 | 642 | 497 | | |
| 339.9178 | 37:53 | 37:53 | 0 | 1.193 | 398231 | 81573 | 151 | 377 | 540 | 1.58(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:22 | 39:22 | 0 | | 648082 | 127315 | 257 | 642 | 495 | | |
| 339.9178 | 39:22 | 39:22 | 0 | | 407318 | 82052 | 151 | 377 | 543 | 1.59(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:58 | 40:58 | 0 | 1.291 | 640384 | 125970 | 257 | 642 | 490 | | |
| 339.9178 | 40:58 | 40:58 | 0 | 1.291 | 392301 | 77472 | 151 | 377 | 513 | 1.63(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | 25:53 | 0 | 1.001 | 234613 | 53949 | 14 | 35 | 3854 | | |
| 327.8775 | 25:53 | 25:53 | 0 | 1.001 | 145498 | 33400 | 11 | 27 | 3036 | 1.61(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | 26:14 | 0 | 1.015 | 205607 | 46021 | 14 | 35 | 3287 | | |
| 327.8775 | 26:14 | 26:14 | 0 | 1.015 | 128420 | 28734 | 11 | 27 | 2612 | 1.60(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:11 | 28:11 | 0 | 1.090 | 181084 | 40035 | 14 | 35 | 2860 | | |
| 327.8775 | 28:11 | 28:11 | 0 | 1.090 | 112672 | 24933 | 11 | 27 | 2267 | 1.61(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:24 | 28:24 | 0 | 1.098 | 166078 | 36659 | 14 | 35 | 2619 | | |
| 327.8775 | 28:24 | 28:24 | 0 | 1.098 | 103283 | 22580 | 11 | 27 | 2053 | 1.61(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:50 | 28:50 | 0 | 1.115 | 169808 | 37453 | 14 | 35 | 2675 | | |
| 327.8775 | 28:50 | 28:50 | 0 | 1.115 | 104540 | 23381 | 11 | 27 | 2126 | 1.62(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:04 | 29:04 | 0 | 1.124 | 340442 | 73171 | 14 | 35 | 5227 | | |
| 327.8775 | 29:04 | 29:04 | 0 | 1.124 | 212518 | 45174 | 11 | 27 | 4107 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:04 | 29:04 | 0 | 1.124 | 340442 | 73171 | 14 | 35 | 5227 | | |
| 327.8775 | 29:04 | 29:04 | 0 | 1.124 | 212518 | 45174 | 11 | 27 | 4107 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:12 | 29:12 | 0 | 1.129 | 341251 | 41439 | 14 | 35 | 2960 | | M |
| 327.8775 | 29:12 | 29:12 | 0 | 1.129 | 212720 | 25819 | 11 | 27 | 2347 | 1.60(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:12 | 29:12 | 0 | 1.129 | 341251 | 41439 | 14 | 35 | 2960 | | M |
| 327.8775 | 29:12 | 29:12 | 0 | 1.129 | 212720 | 25819 | 11 | 27 | 2347 | 1.60(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | M |
| 325.8804 | 29:42 | 29:42 | 0 | 1.149 | 340756 | 40394 | 14 | 35 | 2885 | | M |
| 327.8775 | 29:42 | 29:42 | 0 | 1.149 | 211890 | 24882 | 11 | 27 | 2262 | 1.61(1.32-1.78) | M |
| PCB-91 (C88) | | | | | | | | | | | M |
| 325.8804 | 29:42 | 29:42 | 0 | 1.149 | 340756 | 40394 | 14 | 35 | 2885 | | M |
| 327.8775 | 29:42 | 29:42 | 0 | 1.149 | 211890 | 24882 | 11 | 27 | 2262 | 1.61(1.32-1.78) | M |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:55 | 29:55 | 0 | 1.157 | 147828 | 31607 | 14 | 35 | 2258 | | |
| 327.8775 | 29:55 | 29:55 | 0 | 1.157 | 91205 | 19479 | 11 | 27 | 1771 | 1.62(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:24 | 30:24 | 0 | 1.176 | 156323 | 33257 | 14 | 35 | 2376 | | |
| 327.8775 | 30:24 | 30:24 | 0 | 1.176 | 96759 | 20957 | 11 | 27 | 1905 | 1.62(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:49 | 30:49 | 0 | 1.192 | 236928 | 51663 | 14 | 35 | 3690 | | |
| 327.8775 | 30:49 | 30:49 | 0 | 1.192 | 147819 | 32105 | 11 | 27 | 2919 | 1.60(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:11 | 31:11 | 0 | 0.857 | 165350 | 34532 | 14 | 35 | 2467 | | |
| 327.8775 | 31:11 | 31:11 | 0 | 0.857 | 101624 | 21717 | 11 | 27 | 1974 | 1.63(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:46 | 0 | 1.228 | 583373 | 84452 | 14 | 35 | 6032 | | |
| 327.8775 | 31:46 | 31:46 | 0 | 1.228 | 363643 | 52928 | 11 | 27 | 4812 | 1.60(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:46 | 0 | 1.228 | 583373 | 84452 | 14 | 35 | 6032 | | |
| 327.8775 | 31:46 | 31:46 | 0 | 1.228 | 363643 | 52928 | 11 | 27 | 4812 | 1.60(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:46 | 31:46 | 0 | 1.228 | 583373 | 84452 | 14 | 35 | 6032 | | |
| 327.8775 | 31:46 | 31:46 | 0 | 1.228 | 363643 | 52928 | 11 | 27 | 4812 | 1.60(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:21 | 32:21 | 0 | 1.252 | 333261 | 40876 | 14 | 35 | 2920 | | |
| 327.8775 | 32:21 | 32:21 | 0 | 1.252 | 206132 | 25249 | 11 | 27 | 2295 | 1.62(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:21 | 32:21 | 0 | 1.252 | 333261 | 40876 | 14 | 35 | 2920 | | |
| 327.8775 | 32:21 | 32:21 | 0 | 1.252 | 206132 | 25249 | 11 | 27 | 2295 | 1.62(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:28 | 32:28 | 0 | 1.256 | 237757 | 49149 | 14 | 35 | 3511 | | |
| 327.8775 | 32:28 | 32:28 | 0 | 1.256 | 147117 | 30217 | 11 | 27 | 2747 | 1.62(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:50 | 32:50 | 0 | 1.270 | 1198233 | 139974 | 14 | 35 | 9998 | | M |
| 327.8775 | 32:50 | 32:50 | 0 | 1.270 | 748577 | 87634 | 11 | 27 | 7967 | 1.60(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:50 | 32:50 | 0 | 1.270 | 1198233 | 139974 | 14 | 35 | 9998 | | M |
| 327.8775 | 32:50 | 32:50 | 0 | 1.270 | 748577 | 87634 | 11 | 27 | 7967 | 1.60(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:50 | 32:50 | 0 | 1.270 | 1198233 | 139974 | 14 | 35 | 9998 | | M |
| 327.8775 | 32:50 | 32:50 | 0 | 1.270 | 748577 | 87634 | 11 | 27 | 7967 | 1.60(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:50 | 32:50 | 0 | 1.270 | 1198233 | 139974 | 14 | 35 | 9998 | | M |
| 327.8775 | 32:50 | 32:50 | 0 | 1.270 | 748577 | 87634 | 11 | 27 | 7967 | 1.60(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:50 | 32:50 | 0 | 1.270 | 1198233 | 139974 | 14 | 35 | 9998 | | M |
| 327.8775 | 32:50 | 32:50 | 0 | 1.270 | 748577 | 87634 | 11 | 27 | 7967 | 1.60(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:50 | 32:50 | 0 | 1.270 | 1198233 | 139974 | 14 | 35 | 9998 | | M |
| 327.8775 | 32:50 | 32:50 | 0 | 1.270 | 748577 | 87634 | 11 | 27 | 7967 | 1.60(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:34 | 0 | 1.298 | 622630 | 81150 | 14 | 35 | 5796 | | |
| 327.8775 | 33:34 | 33:34 | 0 | 1.298 | 391598 | 51189 | 11 | 27 | 4654 | 1.59(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:34 | 0 | 1.298 | 622630 | 81150 | 14 | 35 | 5796 | | |
| 327.8775 | 33:34 | 33:34 | 0 | 1.298 | 391598 | 51189 | 11 | 27 | 4654 | 1.59(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:34 | 0 | 1.298 | 622630 | 81150 | 14 | 35 | 5796 | | |
| 327.8775 | 33:34 | 33:34 | 0 | 1.298 | 391598 | 51189 | 11 | 27 | 4654 | 1.59(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:49 | 33:49 | 0 | 1.308 | 472195 | 53183 | 14 | 35 | 3799 | | |
| 327.8775 | 33:49 | 33:49 | 0 | 1.308 | 293944 | 33480 | 11 | 27 | 3044 | 1.61(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:49 | 33:49 | 0 | 1.308 | 472195 | 53183 | 14 | 35 | 3799 | | |
| 327.8775 | 33:49 | 33:49 | 0 | 1.308 | 293944 | 33480 | 11 | 27 | 3044 | 1.61(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:04 | 34:04 | 0 | 1.317 | 158248 | 31620 | 14 | 35 | 2259 | | |
| 327.8775 | 34:03 | 34:04 | -1 | 1.317 | 99692 | 19494 | 11 | 27 | 1772 | 1.59(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:27 | 34:27 | 0 | 1.333 | 254957 | 52578 | 14 | 35 | 3756 | | |
| 327.8775 | 34:27 | 34:27 | 0 | 1.333 | 157244 | 32560 | 11 | 27 | 2960 | 1.62(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:55 | 34:55 | 0 | 1.350 | 254227 | 51861 | 14 | 35 | 3704 | | |
| 327.8775 | 34:55 | 34:55 | 0 | 1.350 | 157664 | 32212 | 11 | 27 | 2928 | 1.61(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:03 | 0 | 1.395 | 701070 | 139416 | 219 | 547 | 637 | | |
| 327.8775 | 36:02 | 36:03 | -1 | 1.394 | 450413 | 89594 | 93 | 232 | 963 | 1.56(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:03 | 36:03 | 0 | 1.395 | 701070 | 139416 | 219 | 547 | 637 | | |
| 327.8775 | 36:02 | 36:03 | -1 | 1.394 | 450413 | 89594 | 93 | 232 | 963 | 1.56(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:17 | 36:17 | 0 | 1.404 | 396382 | 76523 | 219 | 547 | 349 | | |
| 327.8775 | 36:17 | 36:17 | 0 | 1.404 | 250560 | 47964 | 93 | 232 | 516 | 1.58(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:24 | 36:24 | 0 | 1.001 | 386044 | 79931 | 219 | 547 | 365 | | |
| 327.8775 | 36:24 | 36:24 | 0 | 1.001 | 245980 | 51242 | 93 | 232 | 551 | 1.57(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:32 | 36:32 | 0 | 1.004 | 353835 | 74028 | 219 | 547 | 338 | | |
| 327.8775 | 36:32 | 36:32 | 0 | 1.004 | 225800 | 47557 | 93 | 232 | 511 | 1.57(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:44 | 36:44 | 0 | 1.001 | 391078 | 76476 | 219 | 547 | 349 | | |
| 327.8775 | 36:44 | 36:44 | 0 | 1.001 | 247169 | 48308 | 93 | 232 | 519 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:04 | 37:04 | 0 | 1.010 | 339148 | 68709 | 219 | 547 | 314 | | |
| 327.8775 | 37:04 | 37:04 | 0 | 1.010 | 214550 | 43745 | 93 | 232 | 470 | 1.58(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:15 | 37:15 | 0 | 1.000 | 403253 | 78073 | 219 | 547 | 356 | | |
| 327.8775 | 37:15 | 37:15 | 0 | 1.000 | 255731 | 49352 | 93 | 232 | 531 | 1.58(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:55 | 37:55 | 0 | 1.001 | 368138 | 71469 | 219 | 547 | 326 | | |
| 327.8775 | 37:55 | 37:55 | 0 | 1.001 | 233392 | 45677 | 93 | 232 | 491 | 1.58(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:23 | 39:23 | 0 | 1.040 | 381781 | 75146 | 219 | 547 | 343 | | |
| 327.8775 | 39:23 | 39:23 | 0 | 1.040 | 240471 | 47675 | 93 | 232 | 513 | 1.59(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:00 | 41:00 | 0 | 1.001 | 377990 | 70525 | 219 | 547 | 322 | | |
| 327.8775 | 41:00 | 41:00 | 0 | 1.001 | 239477 | 44405 | 93 | 232 | 477 | 1.58(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:32 | 31:32 | -1 | 0.792 | 312501 | 66691 | 20 | 50 | 3335 | | |
| 373.8788 | 31:32 | 31:32 | -1 | 0.792 | 246119 | 54237 | 24 | 60 | 2260 | 1.27(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:36 | 38:36 | 0 | 0.901 | 198046 | 39196 | 65 | 162 | 603 | | |
| 373.8788 | 38:36 | 38:36 | 0 | 0.901 | 160160 | 33434 | 92 | 230 | 363 | 1.24(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:50 | 39:50 | 0 | | 415247 | 84457 | 65 | 162 | 1299 | | |
| 373.8788 | 39:50 | 39:50 | 0 | | 327088 | 67377 | 92 | 230 | 732 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:50 | 42:51 | -1 | 1.076 | 505584 | 101898 | 65 | 162 | 1568 | | |
| 373.8788 | 42:50 | 42:51 | -1 | 1.076 | 393762 | 77572 | 92 | 230 | 843 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:59 | 43:59 | -1 | 1.104 | 994106 | 140858 | 65 | 162 | 2167 | | |
| 373.8788 | 43:59 | 43:59 | -1 | 1.104 | 788242 | 108710 | 92 | 230 | 1182 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:59 | 43:59 | -1 | 1.104 | 994106 | 140858 | 65 | 162 | 2167 | | |
| 373.8788 | 43:59 | 43:59 | -1 | 1.104 | 788242 | 108710 | 92 | 230 | 1182 | 1.26(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:14 | 47:14 | -1 | 1.186 | 487989 | 92114 | 65 | 162 | 1417 | | |
| 373.8788 | 47:13 | 47:14 | -1 | 1.185 | 381208 | 72337 | 92 | 230 | 786 | 1.28(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:33 | 31:33 | 0 | 1.001 | 181149 | 39015 | 3 | 7 | 13005 | | |
| 361.8385 | 31:33 | 31:33 | 0 | 1.001 | 143395 | 30670 | 4 | 10 | 7668 | 1.26(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:45 | 31:45 | 0 | 1.007 | 168313 | 35185 | 3 | 7 | 11728 | | |
| 361.8385 | 31:44 | 31:45 | -1 | 1.006 | 132863 | 27774 | 4 | 10 | 6944 | 1.27(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:55 | 31:55 | 0 | 1.012 | 172070 | 36544 | 3 | 7 | 12181 | | |
| 361.8385 | 31:55 | 31:55 | 0 | 1.012 | 137670 | 29005 | 4 | 10 | 7251 | 1.25(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:16 | 32:16 | 0 | 1.023 | 162583 | 34035 | 3 | 7 | 11345 | | |
| 361.8385 | 32:15 | 32:16 | -1 | 1.023 | 127296 | 26389 | 4 | 10 | 6597 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:34 | 32:34 | 0 | 1.033 | 167910 | 34835 | 3 | 7 | 11612 | | |
| 361.8385 | 32:34 | 32:34 | -1 | 1.033 | 133581 | 27716 | 4 | 10 | 6929 | 1.26(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:05 | 34:05 | 0 | 1.081 | 131864 | 27523 | 3 | 7 | 9174 | | |
| 361.8385 | 34:05 | 34:05 | 0 | 1.081 | 104230 | 22269 | 4 | 10 | 5567 | 1.27(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | M |
| 359.8415 | 34:40 | 34:40 | 0 | 1.100 | 244303 | 28437 | 3 | 7 | 9479 | | M |
| 361.8385 | 34:40 | 34:40 | -1 | 1.099 | 192924 | 22558 | 4 | 10 | 5640 | 1.27(1.05-1.43) | M |
| PCB-151 (C135) | | | | | | | | | | | M |
| 359.8415 | 34:40 | 34:40 | 0 | 1.100 | 244303 | 28437 | 3 | 7 | 9479 | | M |
| 361.8385 | 34:40 | 34:40 | -1 | 1.099 | 192924 | 22558 | 4 | 10 | 5640 | 1.27(1.05-1.43) | M |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:56 | 34:56 | 0 | 1.108 | 139879 | 28317 | 3 | 7 | 9439 | | |
| 361.8385 | 34:56 | 34:56 | -1 | 1.108 | 109560 | 22771 | 4 | 10 | 5693 | 1.28(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:14 | 35:14 | 0 | 1.117 | 127049 | 25977 | 3 | 7 | 8659 | | |
| 361.8385 | 35:14 | 35:14 | 0 | 1.117 | 101841 | 21233 | 4 | 10 | 5308 | 1.25(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:36 | 35:36 | 0 | 1.129 | 430834 | 88965 | 59 | 147 | 1508 | | |
| 361.8385 | 35:36 | 35:36 | 0 | 1.129 | 336502 | 69306 | 31 | 77 | 2236 | 1.28(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:36 | 35:36 | 0 | 1.129 | 430834 | 88965 | 59 | 147 | 1508 | | |
| 361.8385 | 35:36 | 35:36 | 0 | 1.129 | 336502 | 69306 | 31 | 77 | 2236 | 1.28(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:54 | 35:54 | 0 | 1.139 | 379360 | 42588 | 59 | 147 | 722 | | |
| 361.8385 | 35:54 | 35:54 | 0 | 1.139 | 299451 | 34475 | 31 | 77 | 1112 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:54 | 35:54 | 0 | 1.139 | 379360 | 42588 | 59 | 147 | 722 | | |
| 361.8385 | 35:54 | 35:54 | 0 | 1.139 | 299451 | 34475 | 31 | 77 | 1112 | 1.27(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:12 | 36:12 | 0 | 1.148 | 437577 | 83414 | 59 | 147 | 1414 | | |
| 361.8385 | 36:12 | 36:12 | 0 | 1.148 | 347105 | 65802 | 31 | 77 | 2123 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:12 | 36:12 | 0 | 1.148 | 437577 | 83414 | 59 | 147 | 1414 | | |
| 361.8385 | 36:12 | 36:12 | 0 | 1.148 | 347105 | 65802 | 31 | 77 | 2123 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:24 | 36:24 | 0 | 1.154 | 191837 | 39117 | 59 | 147 | 663 | | |
| 361.8385 | 36:24 | 36:24 | 0 | 1.154 | 151121 | 30979 | 31 | 77 | 999 | 1.27(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:33 | 36:33 | 0 | 1.159 | 190806 | 38454 | 59 | 147 | 652 | | |
| 361.8385 | 36:32 | 36:33 | -1 | 1.159 | 151702 | 31041 | 31 | 77 | 1001 | 1.26(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:51 | 36:51 | 0 | 1.169 | 193998 | 39682 | 59 | 147 | 673 | | |
| 361.8385 | 36:51 | 36:51 | 0 | 1.169 | 152861 | 31862 | 31 | 77 | 1028 | 1.27(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:22 | 37:22 | 0 | 1.185 | 202093 | 41363 | 59 | 147 | 701 | | |
| 361.8385 | 37:22 | 37:22 | 0 | 1.185 | 157534 | 32234 | 31 | 77 | 1040 | 1.28(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:45 | 37:45 | 0 | 0.881 | 253205 | 51260 | 59 | 147 | 869 | | |
| 361.8385 | 37:45 | 37:45 | 0 | 0.881 | 201653 | 41524 | 31 | 77 | 1339 | 1.26(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:00 | 38:00 | 0 | 0.887 | 218159 | 44622 | 59 | 147 | 756 | | |
| 361.8385 | 38:00 | 38:00 | 0 | 0.887 | 174264 | 35937 | 31 | 77 | 1159 | 1.25(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:09 | 38:09 | 0 | 0.890 | 290152 | 57973 | 59 | 147 | 983 | | |
| 361.8385 | 38:09 | 38:09 | 0 | 0.890 | 227476 | 45367 | 31 | 77 | 1463 | 1.28(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:39 | 38:39 | 0 | 0.902 | 550964 | 81078 | 59 | 147 | 1374 | | |
| 361.8385 | 38:39 | 38:39 | 0 | 0.902 | 436094 | 63444 | 31 | 77 | 2047 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:39 | 38:39 | 0 | 0.902 | 550964 | 81078 | 59 | 147 | 1374 | | |
| 361.8385 | 38:39 | 38:39 | 0 | 0.902 | 436094 | 63444 | 31 | 77 | 2047 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:49 | 38:49 | 0 | 0.906 | 212727 | 43260 | 59 | 147 | 733 | | |
| 361.8385 | 38:49 | 38:49 | 0 | 0.906 | 169448 | 34448 | 31 | 77 | 1111 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:13 | 39:13 | 0 | 0.915 | 197401 | 40247 | 59 | 147 | 682 | | |
| 361.8385 | 39:13 | 39:13 | 0 | 0.915 | 153488 | 31704 | 31 | 77 | 1023 | 1.29(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:26 | 39:26 | 0 | 0.921 | 238791 | 50853 | 59 | 147 | 862 | | |
| 361.8385 | 39:26 | 39:26 | 0 | 0.921 | 188479 | 39345 | 31 | 77 | 1269 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:34 | 39:34 | 0 | 0.923 | 298932 | 59377 | 59 | 147 | 1006 | | |
| 361.8385 | 39:34 | 39:34 | 0 | 0.923 | 236422 | 47468 | 31 | 77 | 1531 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:52 | 39:52 | 0 | 0.931 | 1008972 | 112636 | 59 | 147 | 1909 | | M |
| 361.8385 | 39:52 | 39:52 | 0 | 0.931 | 797877 | 89561 | 31 | 77 | 2889 | 1.26(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:52 | 39:52 | 0 | 0.931 | 1008972 | 112636 | 59 | 147 | 1909 | | M |
| 361.8385 | 39:52 | 39:52 | 0 | 0.931 | 797877 | 89561 | 31 | 77 | 2889 | 1.26(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:52 | 39:52 | 0 | 0.931 | 1008972 | 112636 | 59 | 147 | 1909 | | M |
| 361.8385 | 39:52 | 39:52 | 0 | 0.931 | 797877 | 89561 | 31 | 77 | 2889 | 1.26(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:52 | 39:52 | 0 | 0.931 | 1008972 | 112636 | 59 | 147 | 1909 | | M |
| 361.8385 | 39:52 | 39:52 | 0 | 0.931 | 797877 | 89561 | 31 | 77 | 2889 | 1.26(1.05-1.43) | M |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:15 | 40:15 | 0 | 0.940 | 321490 | 62383 | 59 | 147 | 1057 | | |
| 361.8385 | 40:15 | 40:15 | 0 | 0.940 | 255112 | 48940 | 31 | 77 | 1579 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:06 | 41:06 | 0 | 0.959 | 521759 | 92026 | 59 | 147 | 1560 | | |
| 361.8385 | 41:06 | 41:06 | 0 | 0.959 | 411297 | 71272 | 31 | 77 | 2299 | 1.27(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:06 | 41:06 | 0 | 0.959 | 521759 | 92026 | 59 | 147 | 1560 | | |
| 361.8385 | 41:06 | 41:06 | 0 | 0.959 | 411297 | 71272 | 31 | 77 | 2299 | 1.27(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:06 | 42:06 | 0 | 0.983 | 301653 | 59679 | 59 | 147 | 1012 | | |
| 361.8385 | 42:06 | 42:06 | 0 | 0.983 | 241194 | 48457 | 31 | 77 | 1563 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:24 | 42:24 | 0 | 0.990 | 313287 | 60071 | 59 | 147 | 1018 | | |
| 361.8385 | 42:24 | 42:24 | 0 | 0.990 | 249887 | 47628 | 31 | 77 | 1536 | 1.25(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:52 | 42:52 | 0 | 1.001 | 321720 | 62169 | 59 | 147 | 1054 | | |
| 361.8385 | 42:52 | 42:52 | 0 | 1.001 | 252475 | 49044 | 31 | 77 | 1582 | 1.27(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:01 | 44:01 | 0 | 1.001 | 606510 | 84925 | 59 | 147 | 1439 | | |
| 361.8385 | 44:01 | 44:01 | 0 | 1.001 | 477688 | 67386 | 31 | 77 | 2174 | 1.27(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:01 | 44:01 | 0 | 1.001 | 606510 | 84925 | 59 | 147 | 1439 | | |
| 361.8385 | 44:01 | 44:01 | 0 | 1.001 | 477688 | 67386 | 31 | 77 | 2174 | 1.27(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:15 | 47:15 | 0 | 1.000 | 296252 | 56065 | 59 | 147 | 950 | | |
| 361.8385 | 47:15 | 47:15 | 0 | 1.000 | 229484 | 44083 | 31 | 77 | 1422 | 1.29(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:15 | 37:15 | 0 | 0.821 | 351842 | 70132 | 13 | 32 | 5395 | | |
| 407.8398 | 37:15 | 37:15 | -1 | 0.821 | 329615 | 65406 | 17 | 42 | 3847 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:18 | 40:18 | 0 | 0.888 | 140892 | 28323 | 13 | 32 | 2179 | | |
| 407.8398 | 40:18 | 40:18 | 0 | 0.888 | 129441 | 26943 | 17 | 42 | 1585 | 1.09(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:23 | 45:23 | 0 | | 284387 | 56146 | 13 | 32 | 4319 | | |
| 407.8398 | 45:23 | 45:23 | 0 | | 257451 | 50085 | 17 | 42 | 2946 | 1.10(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:39 | 46:39 | -1 | 1.028 | 225576 | 44925 | 13 | 32 | 3456 | | |
| 407.8398 | 46:39 | 46:39 | -1 | 1.028 | 206895 | 40210 | 17 | 42 | 2365 | 1.09(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:46 | 49:45 | -1 | 1.096 | 577054 | 112254 | 270 | 675 | 416 | | |
| 407.8398 | 49:46 | 49:45 | -1 | 1.096 | 543721 | 106283 | 255 | 637 | 417 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:17 | 37:17 | 0 | 1.001 | 214521 | 43236 | 5 | 12 | 8647 | | |
| 395.7995 | 37:17 | 37:17 | 0 | 1.001 | 200306 | 39913 | 5 | 12 | 7983 | 1.07(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:37 | 37:37 | 0 | 1.009 | 201399 | 40745 | 5 | 12 | 8149 | | |
| 395.7995 | 37:37 | 37:37 | 0 | 1.009 | 188401 | 37463 | 5 | 12 | 7493 | 1.07(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:09 | 38:09 | 0 | 1.024 | 196789 | 40061 | 5 | 12 | 8012 | | |
| 395.7995 | 38:09 | 38:09 | 0 | 1.024 | 183608 | 37118 | 5 | 12 | 7424 | 1.07(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:29 | 38:29 | 0 | 1.033 | 222075 | 44872 | 5 | 12 | 8974 | | |
| 395.7995 | 38:29 | 38:29 | 0 | 1.033 | 206751 | 42661 | 5 | 12 | 8532 | 1.07(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:57 | 38:57 | 0 | 1.045 | 222067 | 44197 | 5 | 12 | 8839 | | |
| 395.7995 | 38:57 | 38:57 | 0 | 1.045 | 209082 | 41290 | 5 | 12 | 8258 | 1.06(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:20 | 40:20 | 0 | 1.082 | 158825 | 31996 | 5 | 12 | 6399 | | |
| 395.7995 | 40:20 | 40:20 | 0 | 1.082 | 150228 | 29891 | 5 | 12 | 5978 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:57 | 40:57 | 0 | 1.099 | 167112 | 34008 | 5 | 12 | 6802 | | |
| 395.7995 | 40:57 | 40:57 | 0 | 1.099 | 153643 | 31122 | 5 | 12 | 6224 | 1.09(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:14 | 41:14 | 0 | 1.107 | 165351 | 33008 | 5 | 12 | 6602 | | |
| 395.7995 | 41:14 | 41:14 | 0 | 1.107 | 155175 | 31259 | 5 | 12 | 6252 | 1.07(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:26 | 41:26 | 0 | 1.112 | 172822 | 34383 | 5 | 12 | 6877 | | |
| 395.7995 | 41:26 | 41:26 | 0 | 1.112 | 161754 | 31758 | 5 | 12 | 6352 | 1.07(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:51 | 41:51 | 0 | 1.123 | 340163 | 35820 | 5 | 12 | 7164 | | M |
| 395.7995 | 41:51 | 41:51 | 0 | 1.123 | 319943 | 33797 | 5 | 12 | 6759 | 1.06(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:51 | 41:51 | 0 | 1.123 | 340163 | 35820 | 5 | 12 | 7164 | | M |
| 395.7995 | 41:51 | 41:51 | 0 | 1.123 | 319943 | 33797 | 5 | 12 | 6759 | 1.06(0.89-1.21) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:05 | 42:05 | 0 | 1.130 | 147656 | 28644 | 5 | 12 | 5729 | | |
| 395.7995 | 42:05 | 42:05 | 0 | 1.130 | 138909 | 26868 | 5 | 12 | 5374 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:31 | 42:31 | 0 | 1.141 | 144625 | 28576 | 5 | 12 | 5715 | | |
| 395.7995 | 42:31 | 42:31 | 0 | 1.141 | 132020 | 26462 | 5 | 12 | 5292 | 1.10(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:54 | 42:54 | 0 | 1.152 | 167685 | 33350 | 5 | 12 | 6670 | | |
| 395.7995 | 42:54 | 42:54 | 0 | 1.152 | 154317 | 30586 | 5 | 12 | 6117 | 1.09(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:08 | 43:08 | 0 | 1.158 | 289884 | 49552 | 5 | 12 | 9910 | | |
| 395.7995 | 43:08 | 43:08 | 0 | 1.158 | 272001 | 46918 | 5 | 12 | 9384 | 1.07(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:08 | 43:08 | 0 | 1.158 | 289884 | 49552 | 5 | 12 | 9910 | | |
| 395.7995 | 43:08 | 43:08 | 0 | 1.158 | 272001 | 46918 | 5 | 12 | 9384 | 1.07(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:46 | 44:46 | 0 | 0.900 | 148069 | 28974 | 5 | 12 | 5795 | | |
| 395.7995 | 44:46 | 44:46 | 0 | 0.900 | 137633 | 27239 | 5 | 12 | 5448 | 1.08(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:03 | 45:03 | 0 | 0.905 | 201762 | 39077 | 5 | 12 | 7815 | | |
| 395.7995 | 45:02 | 45:03 | -1 | 0.905 | 187884 | 36425 | 5 | 12 | 7285 | 1.07(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:23 | 45:23 | 0 | 0.912 | 376174 | 50276 | 5 | 12 | 10055 | | |
| 395.7995 | 45:22 | 45:23 | -1 | 0.912 | 352489 | 47277 | 5 | 12 | 9455 | 1.07(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:23 | 45:23 | 0 | 0.912 | 376174 | 50276 | 5 | 12 | 10055 | | |
| 395.7995 | 45:22 | 45:23 | -1 | 0.912 | 352489 | 47277 | 5 | 12 | 9455 | 1.07(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:46 | 45:46 | 0 | 0.920 | 214763 | 42040 | 5 | 12 | 8408 | | |
| 395.7995 | 45:46 | 45:46 | 0 | 0.920 | 200133 | 39661 | 5 | 12 | 7932 | 1.07(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:40 | 46:40 | 0 | 0.938 | 152926 | 30242 | 5 | 12 | 6048 | | |
| 395.7995 | 46:40 | 46:40 | 0 | 0.938 | 143436 | 27825 | 5 | 12 | 5565 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:12 | 47:12 | 0 | 0.948 | 212518 | 41514 | 5 | 12 | 8303 | | |
| 395.7995 | 47:12 | 47:12 | 0 | 0.948 | 197166 | 38645 | 5 | 12 | 7729 | 1.08(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:47 | 49:47 | 0 | 1.001 | 344067 | 66709 | 33 | 82 | 2021 | | |
| 395.7995 | 49:47 | 49:47 | 0 | 1.001 | 325249 | 62573 | 78 | 195 | 802 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:37 | 42:37 | 0 | 0.822 | 274634 | 54674 | 17 | 42 | 3216 | | |
| 441.8008 | 42:37 | 42:37 | 0 | 0.822 | 304910 | 59304 | 20 | 50 | 2965 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:52 | 51:52 | 0 | | 363971 | 70595 | 101 | 252 | 699 | | |
| 441.8008 | 51:52 | 51:52 | 0 | | 400177 | 76332 | 169 | 422 | 452 | 0.91(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:21 | 52:21 | -2 | 1.009 | 427545 | 80598 | 101 | 252 | 798 | | |
| 441.8008 | 52:21 | 52:21 | -2 | 1.009 | 474508 | 91148 | 169 | 422 | 539 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:39 | 42:39 | 0 | 1.001 | 128688 | 26428 | 4 | 10 | 6607 | | |
| 429.7606 | 42:39 | 42:39 | 0 | 1.001 | 143114 | 29304 | 3 | 7 | 9768 | 0.90(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:34 | 43:34 | 0 | 1.022 | 147493 | 29101 | 4 | 10 | 7275 | | |
| 429.7606 | 43:34 | 43:34 | 0 | 1.022 | 160480 | 31688 | 3 | 7 | 10563 | 0.92(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:15 | 44:15 | 0 | 1.038 | 138196 | 27325 | 4 | 10 | 6831 | | |
| 429.7606 | 44:14 | 44:15 | -1 | 1.038 | 152671 | 29755 | 3 | 7 | 9918 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:28 | 44:28 | 0 | 1.044 | 153293 | 29677 | 4 | 10 | 7419 | | |
| 429.7606 | 44:28 | 44:28 | 0 | 1.044 | 170852 | 32877 | 3 | 7 | 10959 | 0.90(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:35 | 44:35 | 0 | 1.046 | 134556 | 27612 | 4 | 10 | 6903 | | |
| 429.7606 | 44:34 | 44:35 | -1 | 1.046 | 149624 | 30627 | 3 | 7 | 10209 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:22 | 0 | 1.111 | 204060 | 27210 | 4 | 10 | 6803 | | |
| 429.7606 | 47:22 | 47:22 | 0 | 1.111 | 225903 | 30176 | 3 | 7 | 10059 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:22 | 47:22 | 0 | 1.111 | 204060 | 27210 | 4 | 10 | 6803 | | |
| 429.7606 | 47:22 | 47:22 | 0 | 1.111 | 225903 | 30176 | 3 | 7 | 10059 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:03 | 48:03 | 0 | 0.918 | 107469 | 21242 | 4 | 10 | 5311 | | |
| 429.7606 | 48:03 | 48:03 | 0 | 0.918 | 120233 | 23670 | 3 | 7 | 7890 | 0.89(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:14 | 48:14 | 0 | 0.921 | 115323 | 21917 | 4 | 10 | 5479 | | |
| 429.7606 | 48:14 | 48:14 | 0 | 0.921 | 128795 | 24840 | 3 | 7 | 8280 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:33 | 49:33 | 0 | 0.947 | 174990 | 33466 | 26 | 65 | 1287 | | |
| 429.7606 | 49:33 | 49:33 | -1 | 0.946 | 192144 | 37797 | 137 | 342 | 276 | 0.91(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:54 | 51:54 | 0 | 0.991 | 195282 | 37840 | 26 | 65 | 1455 | | |
| 429.7606 | 51:54 | 51:54 | 0 | 0.991 | 215376 | 41572 | 137 | 342 | 303 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:22 | 52:22 | 0 | 1.000 | 247433 | 47392 | 26 | 65 | 1823 | | |
| 429.7606 | 52:22 | 52:22 | 0 | 1.000 | 274457 | 52870 | 137 | 342 | 386 | 0.90(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:18 | 49:18 | -1 | 0.950 | 350681 | 68612 | 161 | 402 | 426 | | |
| 475.7619 | 49:18 | 49:18 | -1 | 0.950 | 435835 | 85699 | 260 | 650 | 330 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:07 | 54:07 | -1 | 1.043 | 248348 | 46819 | 161 | 402 | 291 | | |
| 475.7619 | 54:07 | 54:07 | -1 | 1.043 | 318801 | 60658 | 260 | 650 | 233 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:20 | 49:20 | 0 | 1.001 | 187806 | 37607 | 102 | 255 | 369 | | |
| 463.7216 | 49:20 | 49:20 | 0 | 1.001 | 238524 | 47914 | 116 | 290 | 413 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:15 | 50:15 | 0 | 1.019 | 208656 | 40804 | 102 | 255 | 400 | | |
| 463.7216 | 50:15 | 50:15 | 0 | 1.019 | 263979 | 51786 | 116 | 290 | 446 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:08 | 54:08 | 0 | 1.000 | 139320 | 26201 | 102 | 255 | 257 | | |
| 463.7216 | 54:08 | 54:08 | 0 | 1.000 | 178873 | 33550 | 116 | 290 | 289 | 0.78(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:45 | 55:45 | -2 | 1.075 | 237187 | 42747 | 16 | 40 | 2672 | | |
| 509.7229 | 55:45 | 55:45 | -1 | 1.075 | 330148 | 59360 | 17 | 42 | 3492 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:47 | 55:47 | 0 | 1.001 | 142644 | 25353 | 4 | 10 | 6338 | | |
| 497.6826 | 55:46 | 55:47 | -1 | 1.000 | 198272 | 35424 | 4 | 10 | 8856 | 0.72(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
CCV Relative RT Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 25-Sep-2019 22:28:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013185-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 25-Sep-2019 23:53:21 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0310

First Level Reviewer: parslyt Date: 25-Sep-2019 23:53:20

Start Cal Date: 21-Aug-2019 13:37:00
End Cal Date: 21-Aug-2019 19:05:00

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-1L | | 11:46 | 11:47 | 1 | 15 | 0.7275 | 0.7288 | 0.717 - 0.7472 |
| PCB-3L | | 13:57 | 13:57 | 0 | 15 | 0.8625 | 0.8632 | 0.849 - 0.8798 |
| PCB-1 | L | 11:47 | 11:47 | 1 | | 1.0011 | 1.0011 | 0.995 - 1.0085 |
| PCB-2 | | 13:47 | 13:47 | 0 | | 0.9878 | 0.9878 | 0.985 - 0.9925 |
| PCB-3 | L | 13:58 | 13:57 | -1 | | 1.0009 | 1.0000 | 0.998 - 1.0048 |
| PCB-4L | | 14:12 | 14:12 | 0 | 15 | 0.8779 | 0.8786 | 0.865 - 0.8956 |
| PCB-9L | | 16:11 | 16:09 | -1 | | 1.0000 | 1.0000 | 0.987 - 1.0128 |
| PCB-8L | | 17:00 | 17:00 | 0 | | 1.1969 | 1.1972 | 1.192 - 1.1989 |
| PCB-15L | | 20:06 | 20:03 | -2 | 15 | 1.2426 | 1.2413 | 1.233 - 1.2530 |
| PCB-4 | L | 14:13 | 14:13 | 0 | | 1.0009 | 1.0009 | 0.994 - 1.0058 |
| PCB-10 | | 14:23 | 14:23 | 0 | | 1.0129 | 1.0129 | 1.010 - 1.0168 |
| PCB-9 | | 16:11 | 16:10 | -1 | | 1.1400 | 1.1392 | 1.135 - 1.1415 |
| PCB-7 | | 16:22 | 16:20 | -1 | | 1.1520 | 1.1511 | 1.147 - 1.1538 |
| PCB-6 | | 16:36 | 16:35 | -1 | | 1.1686 | 1.1677 | 1.164 - 1.1706 |
| PCB-5 | | 16:55 | 16:53 | -1 | | 1.1907 | 1.1889 | 1.186 - 1.1926 |
| PCB-8 | | 17:02 | 17:00 | -1 | | 1.1990 | 1.1981 | 1.194 - 1.2008 |
| PCB-14 | | 18:40 | 18:38 | -1 | | 0.9284 | 0.9289 | 0.926 - 0.9305 |
| PCB-11 | | 19:30 | 19:28 | -1 | | 0.9700 | 0.9706 | 0.968 - 0.9725 |
| PCB-12/13 | | 19:50 | 19:47 | -2 | | 0.9863 | 0.9863 | 0.983 - 0.9875 |
| PCB-15 | L | 20:07 | 20:04 | -2 | | 1.0007 | 1.0007 | 0.997 - 1.0050 |
| PCB-19L | | 17:19 | 17:18 | -1 | 15 | 0.8416 | 0.8426 | 0.831 - 0.8547 |
| PCB-32L | | 20:34 | 20:31 | -2 | | 1.0000 | 1.0000 | 0.998 - 1.0024 |
| PCB-31L | | 22:50 | 22:47 | -2 | | 1.0000 | 1.0000 | 0.998 - 1.0022 |
| PCB-28L | | 23:08 | 23:05 | -3 | | 1.0134 | 1.0128 | 1.006 - 1.0201 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-37L | | 27:09 | 27:04 | -5 | 15 | 1.1889 | 1.1876 | 1.178 - 1.1995 |
| PCB-19 | L | 17:20 | 17:18 | -1 | | 1.0008 | 1.0008 | 0.996 - 1.0058 |
| PCB-18/30 | | 19:11 | 19:09 | -1 | | 1.1081 | 1.1074 | 1.104 - 1.1093 |
| PCB-17 | | 19:37 | 19:35 | -1 | | 1.1330 | 1.1324 | 1.129 - 1.1352 |
| PCB-27 | | 19:50 | 19:48 | -2 | | 1.1458 | 1.1445 | 1.141 - 1.1471 |
| PCB-24 | | 19:58 | 19:55 | -2 | | 1.1534 | 1.1520 | 1.148 - 1.1542 |
| PCB-16 | | 20:04 | 20:02 | -1 | | 1.1594 | 1.1589 | 1.156 - 1.1621 |
| PCB-32 | | 20:36 | 20:33 | -2 | | 1.1897 | 1.1883 | 1.185 - 1.1908 |
| PCB-34 | | 21:52 | 21:49 | -2 | | 1.2627 | 1.2613 | 1.257 - 1.2623 |
| PCB-23 | | 22:01 | 21:58 | -2 | | 1.2715 | 1.2701 | 1.266 - 1.2715 |
| PCB-26/29 | | 22:20 | 22:17 | -2 | | 1.2899 | 1.2885 | 1.282 - 1.2915 |
| PCB-25 | | 22:34 | 22:30 | -3 | | 0.8308 | 0.8312 | 0.829 - 0.8325 |
| PCB-31 | | 22:52 | 22:48 | -3 | | 0.8421 | 0.8425 | 0.840 - 0.8438 |
| PCB-20/28 | | 23:11 | 23:07 | -4 | | 0.8538 | 0.8538 | 0.851 - 0.8568 |
| PCB-21/33 | | 23:24 | 23:20 | -3 | | 0.8617 | 0.8622 | 0.858 - 0.8637 |
| PCB-22 | | 23:48 | 23:44 | -3 | | 0.8763 | 0.8768 | 0.875 - 0.8786 |
| PCB-36 | | 25:22 | 25:18 | -3 | | 0.9339 | 0.9346 | 0.932 - 0.9352 |
| PCB-39 | | 25:43 | 25:38 | -4 | | 0.9470 | 0.9473 | 0.945 - 0.9483 |
| PCB-38 | | 26:18 | 26:14 | -4 | | 0.9686 | 0.9690 | 0.966 - 0.9695 |
| PCB-35 | | 26:46 | 26:41 | -4 | | 0.9855 | 0.9859 | 0.984 - 0.9875 |
| PCB-37 | L | 27:10 | 27:05 | -4 | | 1.0005 | 1.0009 | 0.999 - 1.0024 |
| PCB-54L | | 20:24 | 20:21 | -2 | 15 | 0.8167 | 0.8169 | 0.811 - 0.8247 |
| PCB-52L | | 24:59 | 24:55 | -3 | | 1.0000 | 1.0000 | 0.992 - 1.0083 |
| PCB-79L | | 32:54 | 32:49 | -5 | | 0.9704 | 0.9703 | 0.969 - 0.9718 |
| PCB-81L | | 33:55 | 33:49 | -5 | 15 | 1.3581 | 1.3576 | 1.351 - 1.3641 |
| PCB-77L | | 34:29 | 34:22 | -6 | 15 | 1.3806 | 1.3795 | 1.373 - 1.3867 |
| PCB-54 | L | 20:26 | 20:23 | -2 | | 1.0000 | 1.0000 | 0.996 - 1.0041 |
| PCB-50/53 | | 22:37 | 22:33 | -3 | | 1.1084 | 1.1079 | 1.102 - 1.1106 |
| PCB-45/51 | | 23:20 | 23:17 | -3 | | 1.1440 | 1.1441 | 1.137 - 1.1453 |
| PCB-46 | | 23:34 | 23:31 | -3 | | 1.1552 | 1.1554 | 1.153 - 1.1576 |
| PCB-52 | | 25:00 | 24:56 | -4 | | 1.2257 | 1.2248 | 1.222 - 1.2263 |
| PCB-43/73 | | 25:09 | 25:05 | -3 | | 1.2326 | 1.2323 | 1.230 - 1.2346 |
| PCB-49/69 | | 25:28 | 25:23 | -4 | | 1.2482 | 1.2473 | 1.242 - 1.2499 |
| PCB-48 | | 25:47 | 25:42 | -4 | | 1.2638 | 1.2629 | 1.259 - 1.2636 |
| PCB-44/47/65 | | 26:01 | 25:57 | -4 | | 1.2756 | 1.2748 | 1.269 - 1.2770 |
| PCB-59/62/75 | | 26:19 | 26:14 | -4 | | 1.2900 | 1.2892 | 1.284 - 1.2919 |
| PCB-42 | | 26:32 | 26:27 | -4 | | 1.3006 | 1.2998 | 1.296 - 1.3007 |
| PCB-40/41/71 | | 27:02 | 26:56 | -5 | | 1.3249 | 1.3236 | 1.317 - 1.3250 |
| PCB-64 | | 27:15 | 27:10 | -4 | | 1.3355 | 1.3348 | 1.331 - 1.3355 |
| PCB-72 | | 28:05 | 28:00 | -5 | | 0.8278 | 0.8277 | 0.826 - 0.8291 |
| PCB-68 | | 28:22 | 28:17 | -5 | | 0.8365 | 0.8363 | 0.835 - 0.8375 |
| PCB-57 | | 28:48 | 28:42 | -5 | | 0.8488 | 0.8488 | 0.847 - 0.8500 |
| PCB-58 | | 29:01 | 28:56 | -5 | | 0.8556 | 0.8555 | 0.854 - 0.8574 |
| PCB-67 | | 29:12 | 29:07 | -5 | | 0.8609 | 0.8608 | 0.859 - 0.8620 |
| PCB-63 | | 29:28 | 29:22 | -6 | | 0.8687 | 0.8683 | 0.866 - 0.8694 |
| PCB-61/70/74/76 | | 29:48 | 29:42 | -6 | | 0.8785 | 0.8781 | 0.875 - 0.8810 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-66 | | 30:07 | 30:02 | -5 | | 0.8879 | 0.8879 | 0.886 - 0.8894 |
| PCB-55 | | 30:17 | 30:12 | -5 | | 0.8927 | 0.8928 | 0.891 - 0.8943 |
| PCB-56 | | 30:47 | 30:41 | -6 | | 0.9077 | 0.9075 | 0.907 - 0.9098 |
| PCB-60 | | 31:00 | 30:54 | -5 | | 0.9141 | 0.9139 | 0.913 - 0.9158 |
| PCB-80 | | 31:26 | 31:20 | -6 | | 0.9265 | 0.9263 | 0.924 - 0.9268 |
| PCB-79 | | 32:57 | 32:50 | -6 | | 0.9715 | 0.9710 | 0.970 - 0.9726 |
| PCB-78 | | 33:30 | 33:24 | -6 | | 0.9876 | 0.9876 | 0.986 - 0.9890 |
| PCB-81 | T | 33:57 | 33:50 | -6 | | 1.0007 | 1.0004 | 0.999 - 1.0020 |
| PCB-77 | T/L | 34:30 | 34:24 | -6 | | 1.0007 | 1.0007 | 0.999 - 1.0019 |
| PCB-104L | | 25:56 | 25:51 | -4 | 15 | 0.8139 | 0.8144 | 0.810 - 0.8199 |
| PCB-95L | | 28:53 | 28:49 | -4 | | 1.1143 | 1.1142 | 1.112 - 1.1179 |
| PCB-101L | | 31:52 | 31:45 | -6 | | 1.0000 | 1.0000 | 0.994 - 1.0065 |
| PCB-111L | | 34:32 | 34:26 | -6 | | 1.0847 | 1.0846 | 1.079 - 1.0891 |
| PCB-123L | | 36:30 | 36:23 | -7 | 15 | 1.1459 | 1.1460 | 1.141 - 1.1511 |
| PCB-118L | | 36:50 | 36:43 | -7 | 15 | 1.1562 | 1.1563 | 1.151 - 1.1614 |
| PCB-114L | | 37:21 | 37:15 | -6 | 15 | 1.1726 | 1.1732 | 1.168 - 1.1780 |
| PCB-105L | | 38:00 | 37:53 | -6 | 15 | 1.1927 | 1.1934 | 1.188 - 1.1989 |
| PCB-127L | | 39:29 | 39:22 | -7 | | 1.0000 | 1.0000 | 0.995 - 1.0053 |
| PCB-126L | | 41:06 | 40:58 | -7 | 15 | 1.2900 | 1.2906 | 1.285 - 1.2956 |
| PCB-104 | L | 25:57 | 25:53 | -4 | | 1.0010 | 1.0010 | 0.998 - 1.0039 |
| PCB-96 | | 26:19 | 26:14 | -4 | | 1.0147 | 1.0148 | 1.013 - 1.0195 |
| PCB-103 | | 28:16 | 28:11 | -5 | | 1.0903 | 1.0901 | 1.087 - 1.0912 |
| PCB-94 | | 28:29 | 28:24 | -5 | | 1.0986 | 1.0985 | 1.097 - 1.1003 |
| PCB-95 | | 28:55 | 28:50 | -5 | | 1.1153 | 1.1152 | 1.113 - 1.1193 |
| PCB-93/100 | | 29:09 | 29:04 | -5 | | 1.1242 | 1.1240 | 1.120 - 1.1267 |
| PCB-98/102 | | 29:18 | 29:12 | -6 | | 1.1300 | 1.1295 | 1.127 - 1.1336 |
| PCB-88/91 | | 29:48 | 29:42 | -6 | | 1.1492 | 1.1487 | 1.143 - 1.1505 |
| PCB-84 | | 30:00 | 29:55 | -5 | | 1.1570 | 1.1570 | 1.157 - 1.1603 |
| PCB-89 | | 30:29 | 30:24 | -5 | | 1.1757 | 1.1757 | 1.175 - 1.1786 |
| PCB-121 | | 30:55 | 30:49 | -6 | | 1.1924 | 1.1920 | 1.188 - 1.1922 |
| PCB-92 | | 31:17 | 31:11 | -5 | | 0.8570 | 0.8572 | 0.856 - 0.8589 |
| PCB-90/101/113 | | 31:52 | 31:46 | -6 | | 1.2292 | 1.2284 | 1.224 - 1.2307 |
| PCB-83/99 | | 32:27 | 32:21 | -6 | | 1.2517 | 1.2515 | 1.245 - 1.2525 |
| PCB-112 | | 32:34 | 32:28 | -6 | | 1.2561 | 1.2559 | 1.254 - 1.2574 |
| PCB-86/87/97/109/119/125 | | 32:57 | 32:50 | -6 | | 1.2709 | 1.2702 | 1.265 - 1.2756 |
| PCB-85/116/117 | | 33:41 | 33:34 | -6 | | 1.2988 | 1.2983 | 1.293 - 1.3007 |
| PCB-110/115 | | 33:56 | 33:49 | -6 | | 1.3086 | 1.3081 | 1.303 - 1.3092 |
| PCB-82 | | 34:10 | 34:04 | -5 | | 1.3175 | 1.3175 | 1.316 - 1.3194 |
| PCB-111 | | 34:34 | 34:27 | -6 | | 1.3332 | 1.3327 | 1.329 - 1.3330 |
| PCB-120 | | 35:02 | 34:55 | -6 | | 1.3508 | 1.3504 | 1.348 - 1.3514 |
| PCB-108/124 | | 36:10 | 36:03 | -6 | | 1.3948 | 1.3945 | 1.390 - 1.3967 |
| PCB-107 | | 36:25 | 36:17 | -7 | | 1.4044 | 1.4036 | 1.401 - 1.4049 |
| PCB-123 | T | 36:32 | 36:24 | -7 | | 1.0007 | 1.0007 | 1.000 - 1.0023 |
| PCB-106 | | 36:38 | 36:32 | -6 | | 1.0036 | 1.0040 | 1.003 - 1.0057 |
| PCB-118 | T | 36:51 | 36:44 | -6 | | 1.0004 | 1.0007 | 0.999 - 1.0019 |
| PCB-122 | | 37:12 | 37:04 | -7 | | 1.0099 | 1.0100 | 1.009 - 1.0117 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-114 | T | 37:23 | 37:15 | -7 | | 1.0007 | 1.0004 | 0.999 - 1.0018 |
| PCB-105 | T | 38:01 | 37:55 | -6 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-127 | | 39:31 | 39:23 | -7 | | 1.0399 | 1.0397 | 1.037 - 1.0399 |
| PCB-126 | T/L | 41:07 | 41:00 | -6 | | 1.0003 | 1.0006 | 1.000 - 1.0016 |
| PCB-155L | | 31:39 | 31:32 | -6 | 15 | 0.7919 | 0.7915 | 0.787 - 0.7951 |
| PCB-153L | | 38:42 | 38:36 | -6 | | 0.9008 | 0.9008 | 0.899 - 0.9028 |
| PCB-138L | | 39:58 | 39:50 | -7 | | 1.0000 | 1.0000 | 0.979 - 1.0208 |
| PCB-167L | | 42:59 | 42:50 | -8 | 15 | 1.0756 | 1.0755 | 1.071 - 1.0792 |
| PCB-156L/157L | | 44:08 | 43:59 | -8 | 15 | 1.1043 | 1.1044 | 1.100 - 1.1084 |
| PCB-169L | | 47:21 | 47:14 | -7 | 15 | 1.1851 | 1.1858 | 1.184 - 1.1864 |
| PCB-155 | L | 31:39 | 31:33 | -6 | | 1.0004 | 1.0008 | 0.998 - 1.0031 |
| PCB-152 | | 31:51 | 31:45 | -6 | | 1.0064 | 1.0069 | 1.006 - 1.0096 |
| PCB-150 | | 32:01 | 31:55 | -6 | | 1.0117 | 1.0121 | 1.011 - 1.0144 |
| PCB-136 | | 32:22 | 32:16 | -6 | | 1.0229 | *1.0234 | 1.024 - 1.0268 |
| PCB-145 | | 32:40 | 32:34 | -6 | | 1.0326 | 1.0331 | 1.033 - 1.0358 |
| PCB-148 | | 34:12 | 34:05 | -6 | | 1.0808 | 1.0811 | 1.080 - 1.0830 |
| PCB-135/151 | | 34:46 | 34:40 | -6 | | 1.0989 | 1.0997 | 1.099 - 1.1038 |
| PCB-154 | | 35:03 | 34:56 | -6 | | 1.1078 | 1.1081 | 1.106 - 1.1107 |
| PCB-144 | | 35:21 | 35:14 | -6 | | 1.1170 | 1.1174 | 1.117 - 1.1199 |
| PCB-147/149 | | 35:43 | 35:36 | -6 | | 1.1286 | 1.1290 | 1.127 - 1.1326 |
| PCB-134/143 | | 36:01 | 35:54 | -6 | | 1.1381 | 1.1385 | 1.136 - 1.1409 |
| PCB-139/140 | | 36:19 | 36:12 | -6 | | 1.1476 | 1.1481 | 1.146 - 1.1515 |
| PCB-131 | | 36:30 | 36:24 | -6 | | 1.1538 | 1.1543 | 1.154 - 1.1571 |
| PCB-142 | | 36:40 | 36:33 | -6 | | 1.1587 | 1.1593 | 1.159 - 1.1621 |
| PCB-132 | | 36:58 | 36:51 | -6 | | 1.1682 | 1.1688 | 1.168 - 1.1728 |
| PCB-133 | | 37:29 | 37:22 | -6 | | 1.1843 | 1.1850 | 1.184 - 1.1872 |
| PCB-165 | | 37:53 | 37:45 | -7 | | 0.8814 | 0.8813 | 0.880 - 0.8825 |
| PCB-146 | | 38:08 | 38:00 | -7 | | 0.8872 | 0.8871 | 0.886 - 0.8882 |
| PCB-161 | | 38:16 | 38:09 | -6 | | 0.8902 | 0.8904 | 0.889 - 0.8914 |
| PCB-153/168 | | 38:47 | 38:39 | -7 | | 0.9024 | 0.9023 | 0.900 - 0.9040 |
| PCB-141 | | 38:56 | 38:49 | -7 | | 0.9060 | 0.9060 | 0.905 - 0.9075 |
| PCB-130 | | 39:21 | 39:13 | -7 | | 0.9154 | 0.9154 | 0.915 - 0.9172 |
| PCB-137 | | 39:34 | 39:26 | -7 | | 0.9206 | 0.9206 | 0.920 - 0.9224 |
| PCB-164 | | 39:41 | 39:34 | -7 | | 0.9233 | 0.9234 | 0.923 - 0.9252 |
| PCB-129/138/160/163 | | 40:00 | 39:52 | -7 | | 0.9307 | 0.9307 | 0.930 - 0.9349 |
| PCB-158 | | 40:23 | 40:15 | -7 | | 0.9395 | 0.9396 | 0.939 - 0.9409 |
| PCB-128/166 | | 41:14 | 41:06 | -7 | | 0.9592 | 0.9594 | 0.958 - 0.9617 |
| PCB-159 | | 42:14 | 42:06 | -7 | | 0.9827 | 0.9829 | 0.982 - 0.9839 |
| PCB-162 | | 42:31 | 42:24 | -7 | | 0.9894 | 0.9896 | 0.988 - 0.9907 |
| PCB-167 | T | 43:00 | 42:52 | -8 | | 1.0006 | 1.0006 | 0.999 - 1.0016 |
| PCB-156/157 | T | 44:08 | 44:01 | -7 | | 1.0003 | 1.0006 | 0.999 - 1.0025 |
| PCB-169 | T/L | 47:23 | 47:15 | -8 | | 1.0006 | 1.0003 | 0.999 - 1.0015 |
| PCB-188L | | 37:22 | 37:15 | -6 | 15 | 0.8208 | 0.8208 | 0.817 - 0.8243 |
| PCB-178L | | 40:24 | 40:18 | -5 | | 0.8877 | 0.8879 | 0.884 - 0.8916 |
| PCB-180L | | 45:32 | 45:23 | -8 | | 1.0000 | 1.0000 | 0.996 - 1.0037 |
| PCB-170L | | 46:47 | 46:39 | -8 | 15 | 1.0276 | 1.0277 | 1.024 - 1.0317 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-189L | | 49:54 | 49:46 | -8 | 15 | 1.0962 | 1.0963 | 1.093 - 1.1000 |
| PCB-188 | L | 37:24 | 37:17 | -6 | | 1.0007 | 1.0007 | 1.000 - 1.0022 |
| PCB-179 | | 37:43 | 37:37 | -6 | | 1.0094 | 1.0095 | 1.009 - 1.0115 |
| PCB-184 | | 38:16 | 38:09 | -6 | | 1.0238 | 1.0239 | 1.023 - 1.0254 |
| PCB-176 | | 38:37 | 38:29 | -7 | | 1.0332 | 1.0330 | 1.033 - 1.0351 |
| PCB-186 | | 39:04 | 38:57 | -7 | | 1.0455 | 1.0453 | 1.045 - 1.0476 |
| PCB-178 | | 40:27 | 40:20 | -6 | | 1.0822 | 1.0825 | 1.081 - 1.0837 |
| PCB-175 | | 41:05 | 40:57 | -7 | | 1.0994 | 1.0993 | 1.098 - 1.1008 |
| PCB-187 | | 41:21 | 41:14 | -7 | | 1.1067 | 1.1067 | 1.106 - 1.1082 |
| PCB-182 | | 41:34 | 41:26 | -7 | | 1.1123 | 1.1123 | 1.111 - 1.1137 |
| PCB-183/185 | | 41:58 | 41:51 | -7 | | 1.1231 | *1.1232 | 1.123 - 1.1260 |
| PCB-174 | | 42:12 | 42:05 | -7 | | 1.1294 | 1.1295 | 1.129 - 1.1313 |
| PCB-177 | | 42:38 | 42:31 | -7 | | 1.1410 | 1.1411 | 1.140 - 1.1430 |
| PCB-181 | | 43:02 | 42:54 | -7 | | 1.1515 | 1.1516 | 1.151 - 1.1535 |
| PCB-171/173 | | 43:15 | 43:08 | -7 | | 1.1574 | 1.1576 | 1.156 - 1.1602 |
| PCB-172 | | 44:54 | 44:46 | -8 | | 0.8997 | 0.8995 | 0.899 - 0.9008 |
| PCB-192 | | 45:10 | 45:03 | -7 | | 0.9052 | 0.9053 | 0.904 - 0.9060 |
| PCB-180/193 | | 45:30 | 45:23 | -7 | | 0.9117 | 0.9119 | 0.911 - 0.9130 |
| PCB-191 | | 45:54 | 45:46 | -8 | | 0.9198 | 0.9198 | 0.919 - 0.9209 |
| PCB-170 | | 46:48 | 46:40 | -8 | | 0.9379 | 0.9379 | 0.937 - 0.9392 |
| PCB-190 | | 47:20 | 47:12 | -8 | | 0.9484 | 0.9484 | 0.948 - 0.9496 |
| PCB-189 | T/L | 49:55 | 49:47 | -7 | | 1.0003 | 1.0005 | 0.999 - 1.0013 |
| PCB-202L | | 42:45 | 42:37 | -7 | 15 | 0.8215 | 0.8216 | 0.819 - 0.8249 |
| PCB-194L | | 52:02 | 51:52 | -9 | | 1.0000 | 1.0000 | 0.996 - 1.0040 |
| PCB-205L | | 52:29 | 52:21 | -8 | 15 | 1.0088 | 1.0091 | 1.004 - 1.0138 |
| PCB-202 | L | 42:46 | 42:39 | -7 | | 1.0006 | 1.0006 | 0.999 - 1.0027 |
| PCB-201 | | 43:42 | 43:34 | -7 | | 1.0223 | 1.0224 | 1.020 - 1.0237 |
| PCB-204 | | 44:23 | 44:15 | -7 | | 1.0382 | 1.0384 | 1.036 - 1.0388 |
| PCB-197 | | 44:36 | 44:28 | -7 | | 1.0434 | 1.0436 | 1.042 - 1.0445 |
| PCB-200 | | 44:42 | 44:35 | -7 | | 1.0459 | 1.0460 | 1.045 - 1.0473 |
| PCB-198/199 | | 47:30 | 47:22 | -8 | | 1.1113 | 1.1114 | 1.109 - 1.1132 |
| PCB-196 | | 48:11 | 48:03 | -8 | | 0.9179 | 0.9178 | 0.917 - 0.9189 |
| PCB-203 | | 48:22 | 48:14 | -8 | | 0.9217 | 0.9213 | 0.921 - 0.9226 |
| PCB-195 | | 49:41 | 49:33 | -7 | | 0.9467 | 0.9467 | 0.946 - 0.9481 |
| PCB-194 | | 52:02 | 51:54 | -8 | | 0.9915 | 0.9915 | 0.991 - 0.9926 |
| PCB-205 | L | 52:31 | 52:22 | -8 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-208L | | 49:26 | 49:18 | -7 | 15 | 0.9501 | 0.9504 | 0.947 - 0.9534 |
| PCB-206L | | 54:15 | 54:07 | -8 | 15 | 1.0428 | 1.0432 | 1.038 - 1.0472 |
| PCB-208 | L | 49:28 | 49:20 | -7 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-207 | | 50:24 | 50:15 | -8 | | 1.0196 | 1.0194 | 1.019 - 1.0205 |
| PCB-206 | L | 54:17 | 54:08 | -9 | | 1.0005 | 1.0002 | 1.000 - 1.0015 |
| PCB-209L | | 55:54 | 55:45 | -9 | 15 | 1.0746 | 1.0746 | 1.069 - 1.0784 |
| DCB Decachlorobiphenyl | L | 55:56 | 55:47 | -9 | | 1.0005 | 1.0007 | 0.999 - 1.0012 |

Eurofins TestAmerica, Knoxville

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| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
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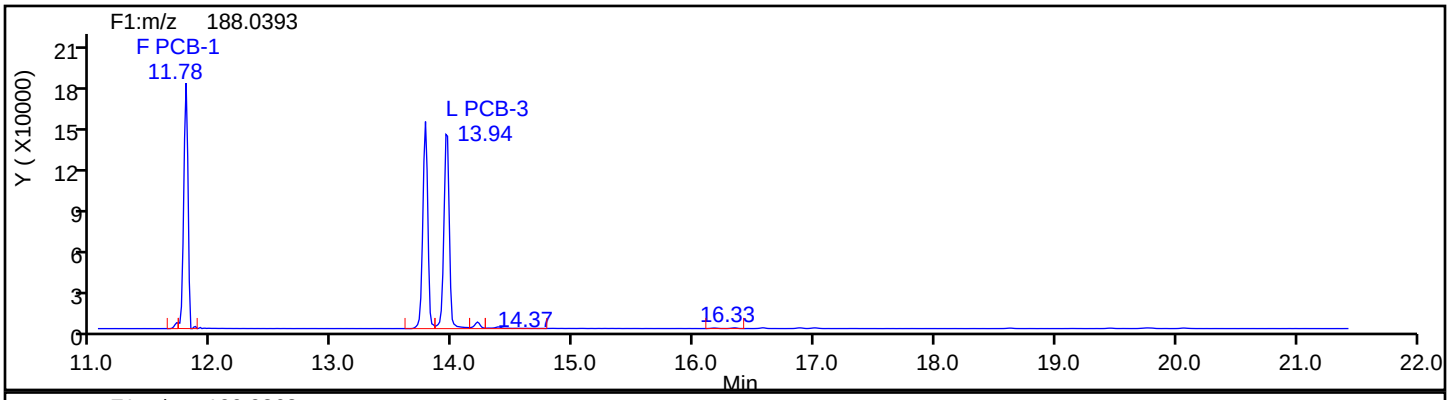
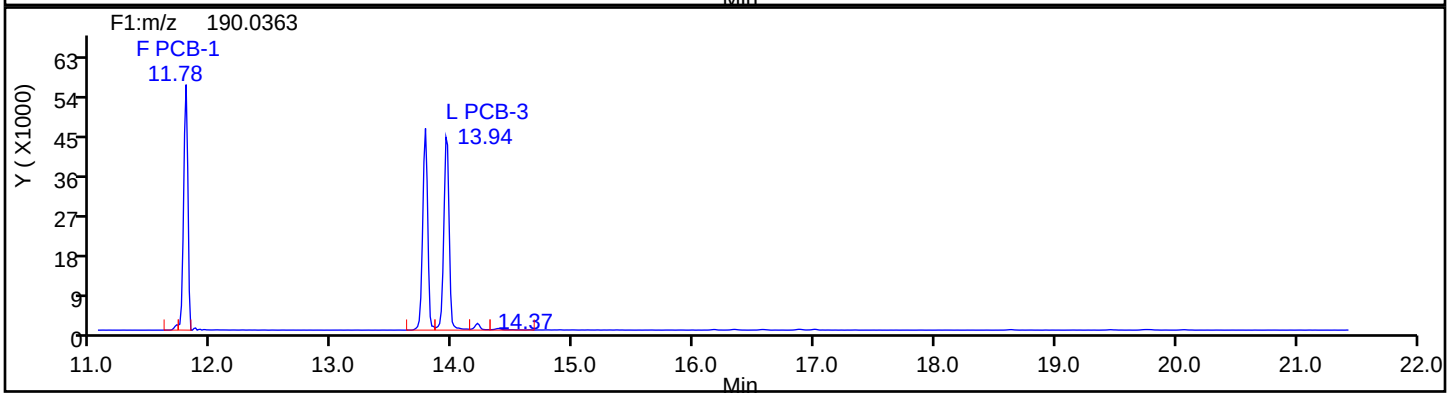
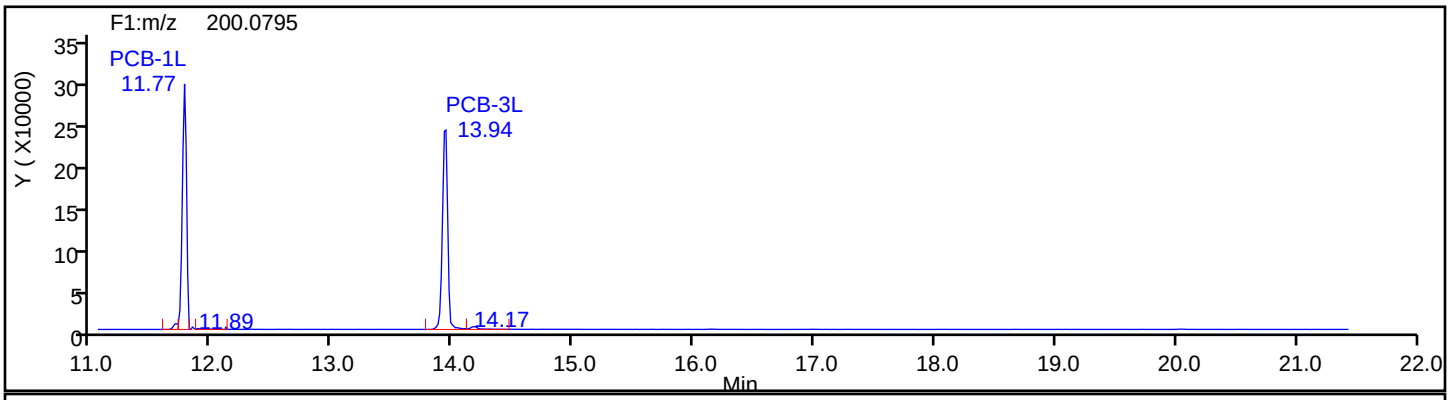
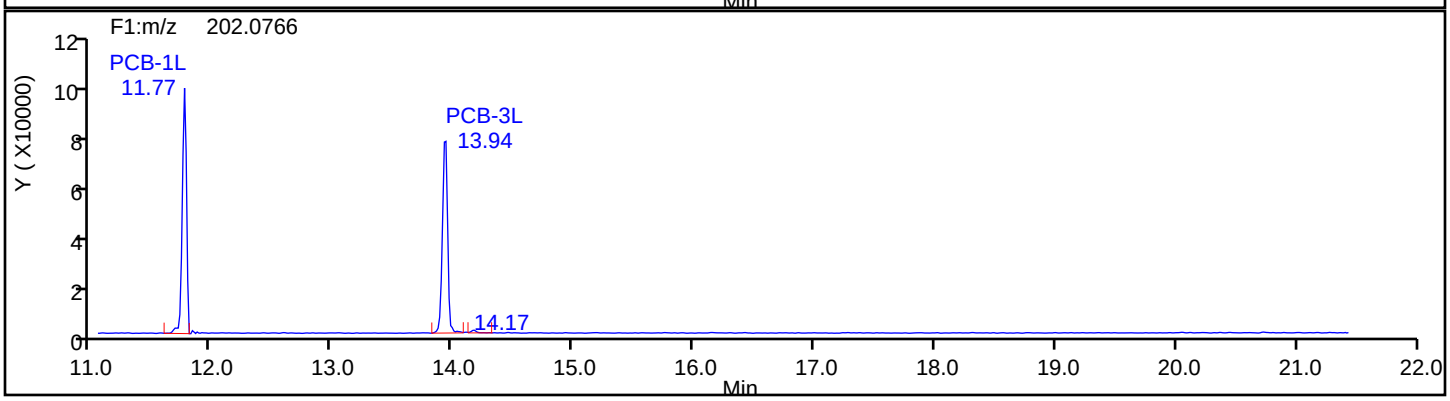
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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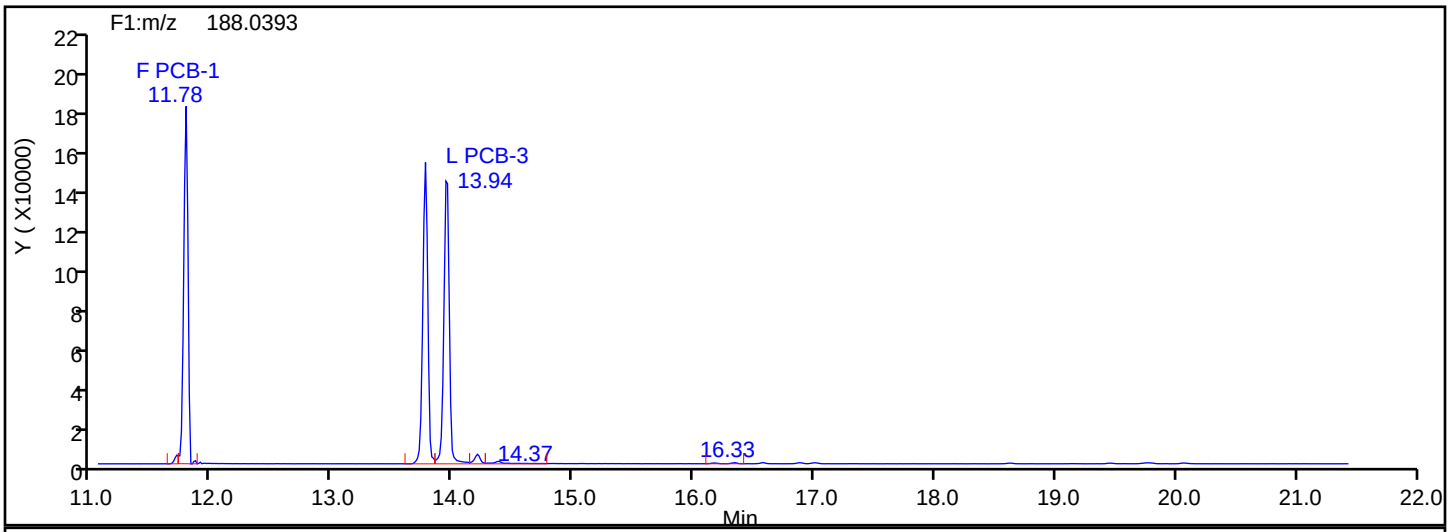
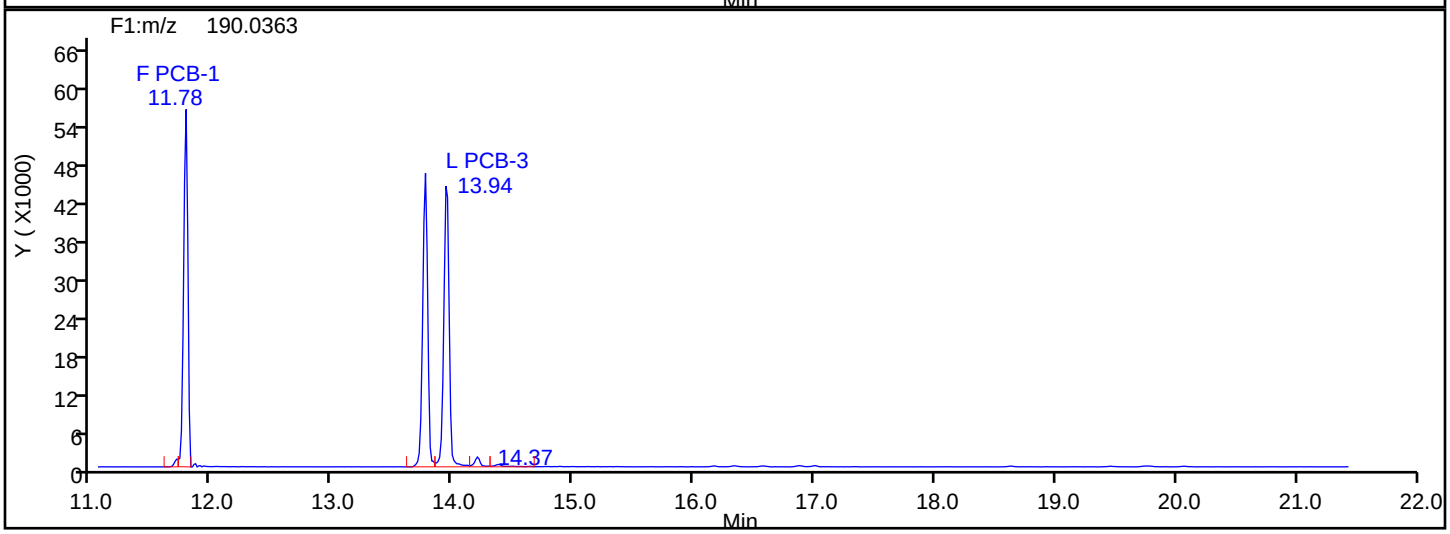
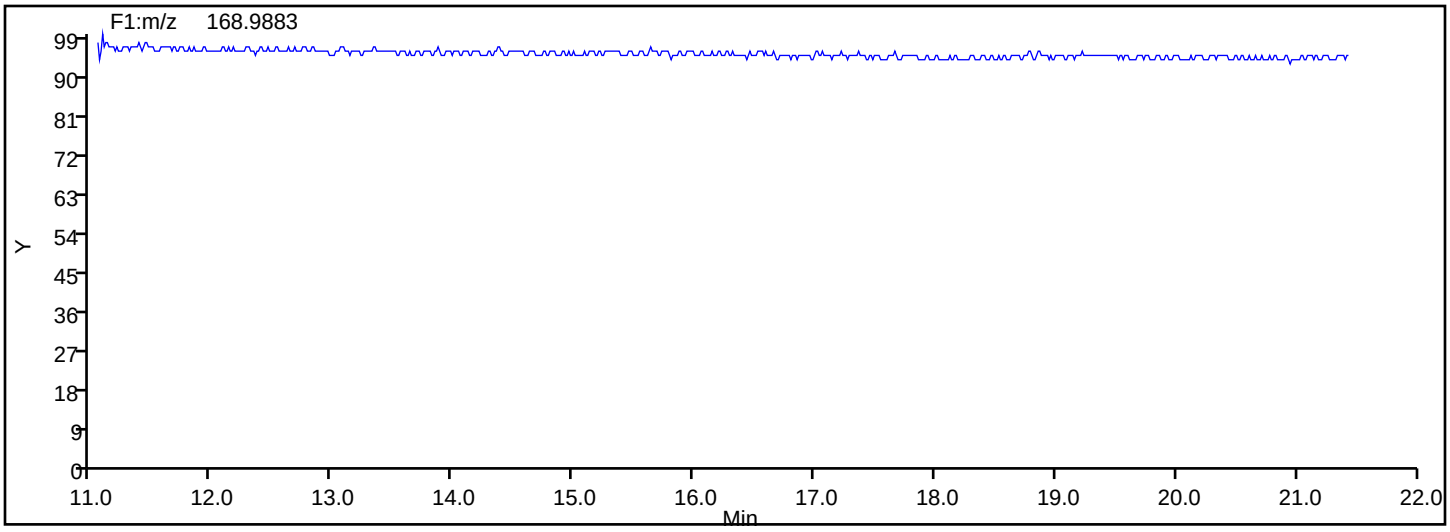
MoPCB F1




MoPCB F1 Lock Mass



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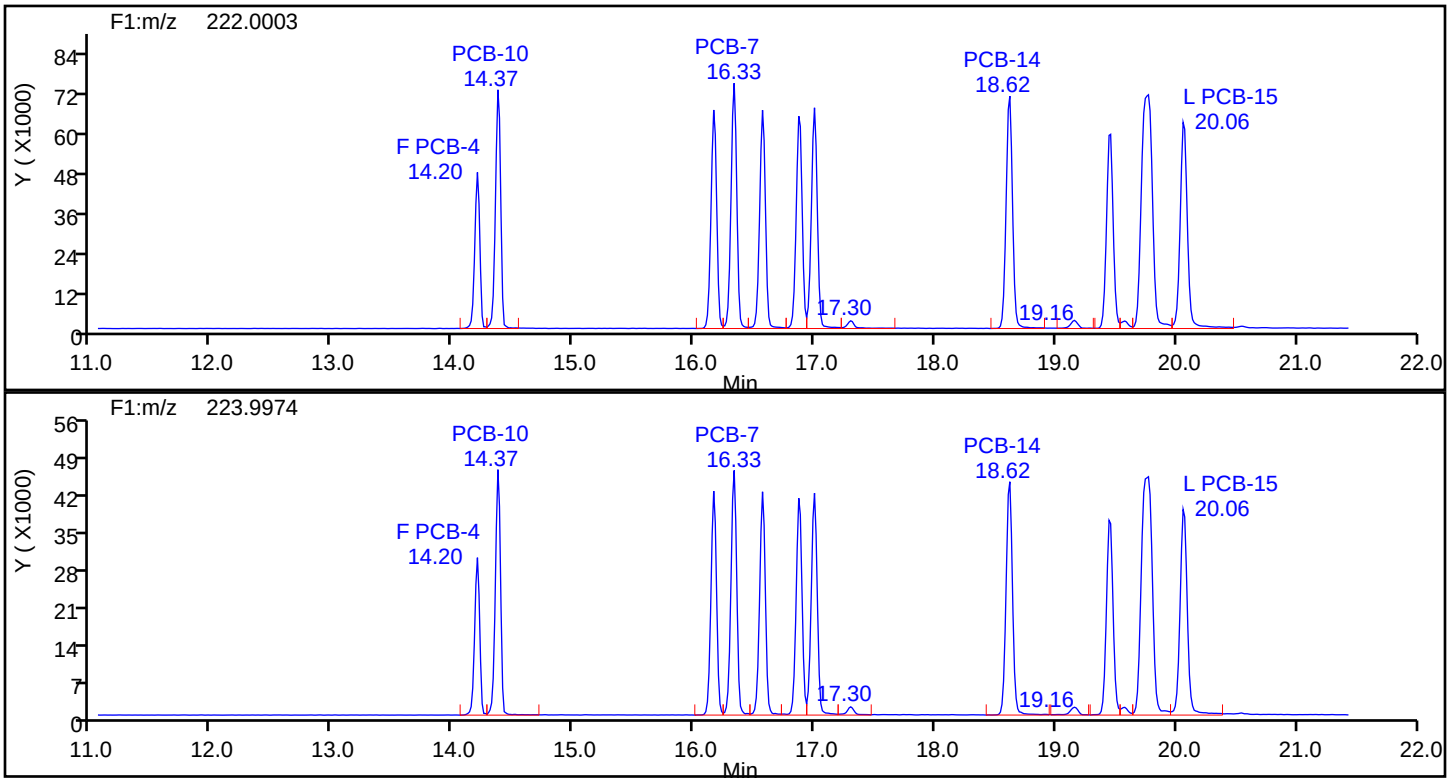
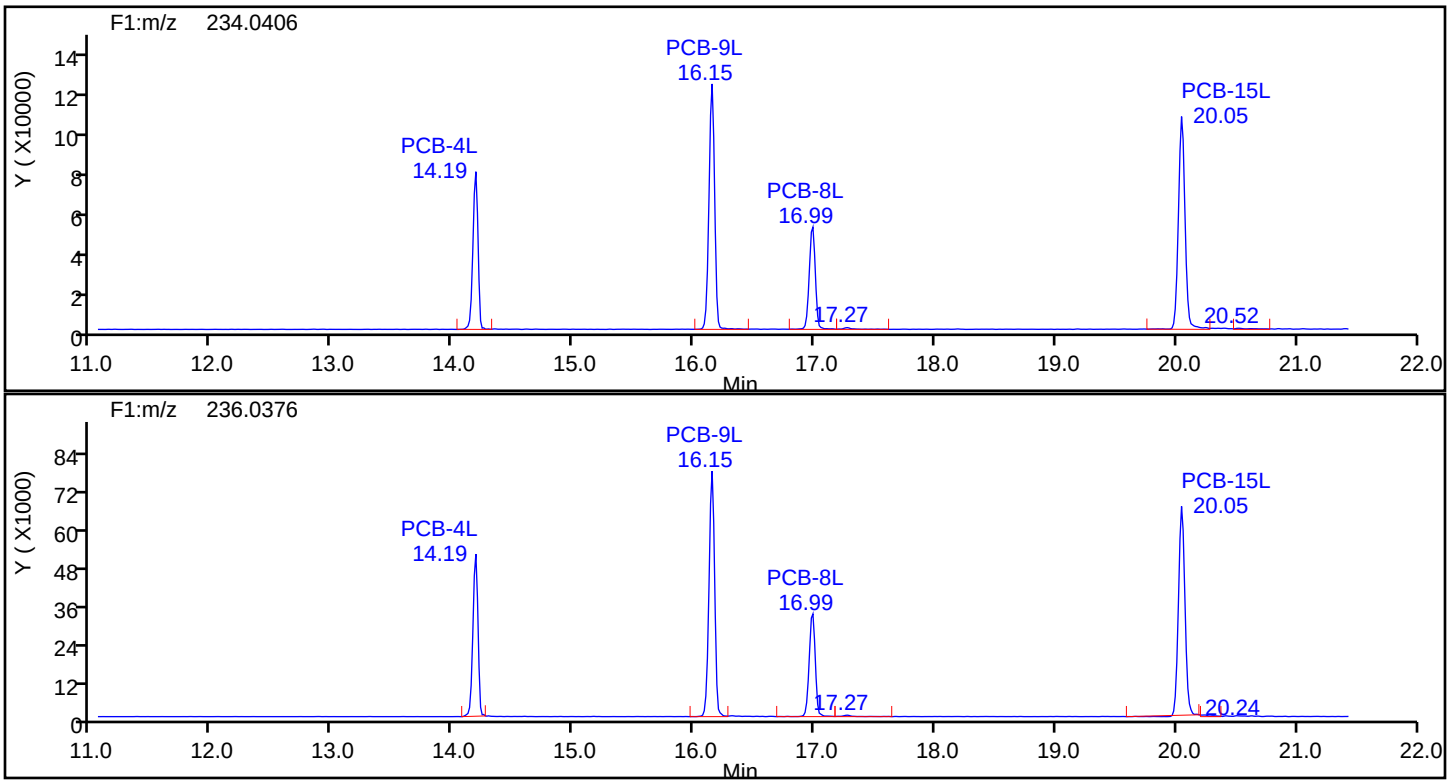
DiPCB F1




DiPCB F1 Standards



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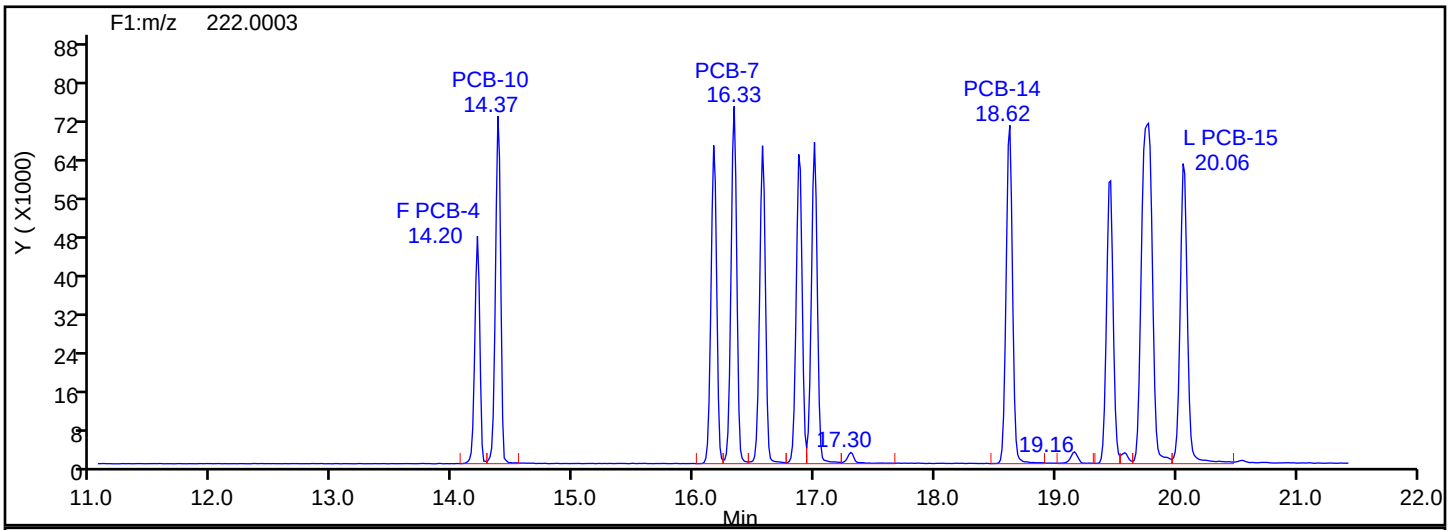
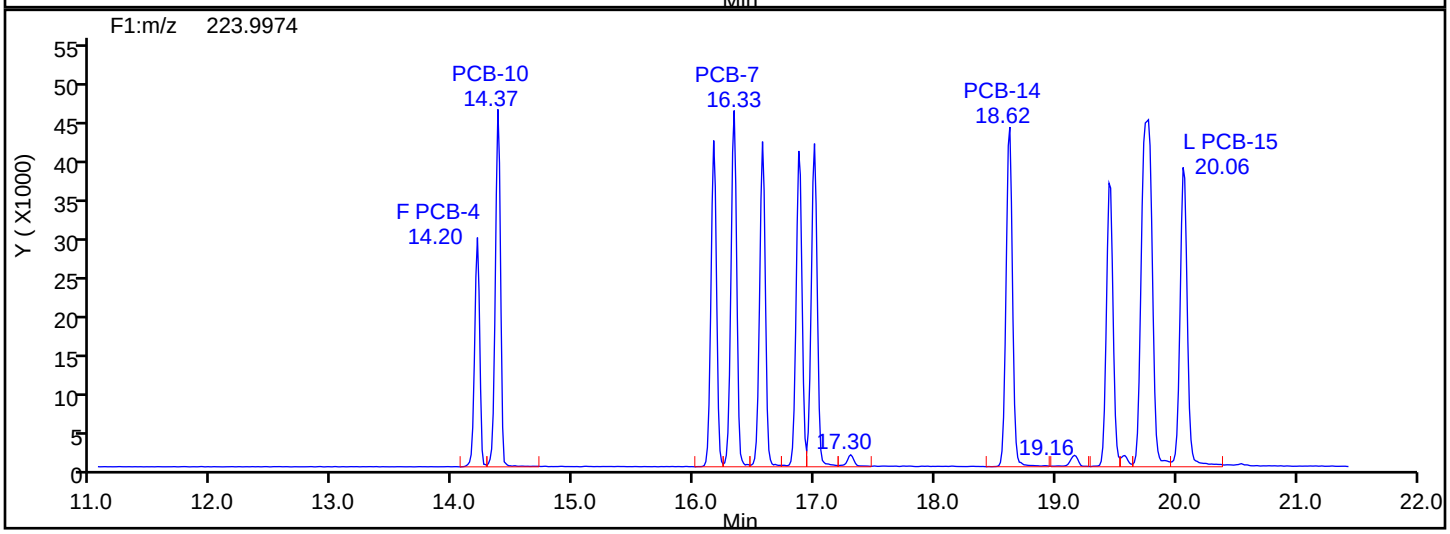
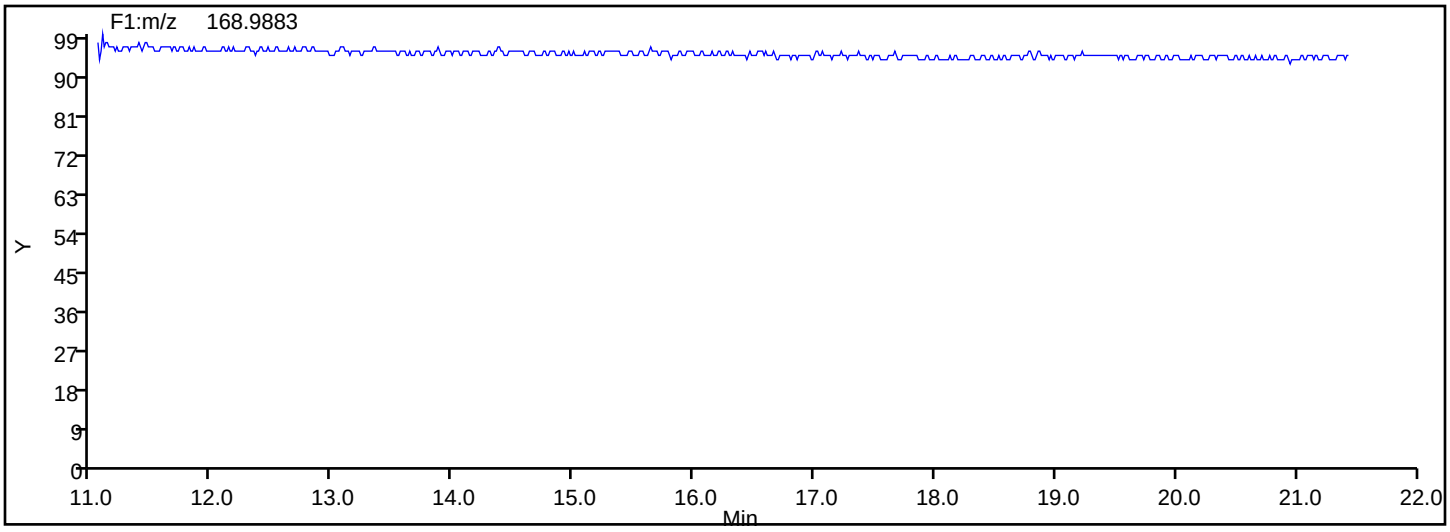
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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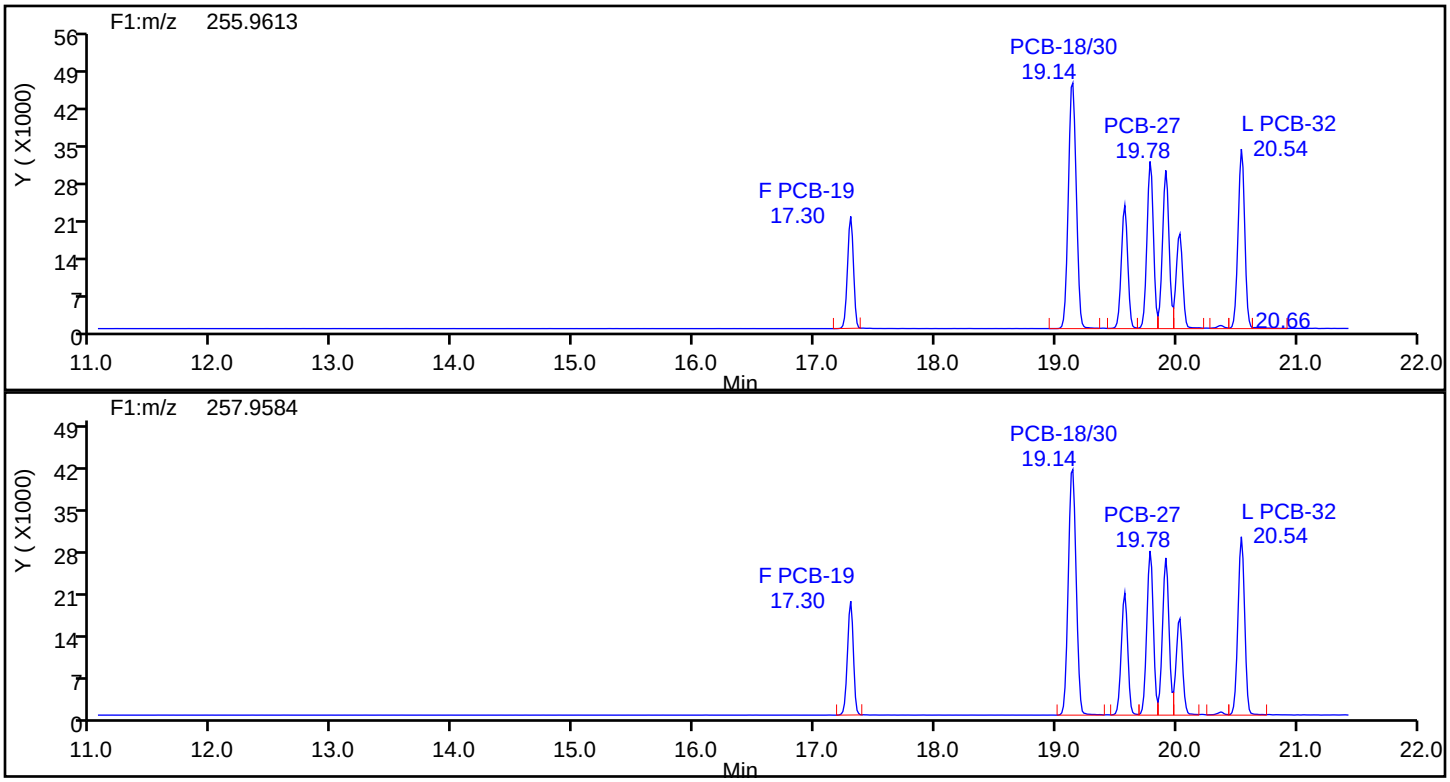
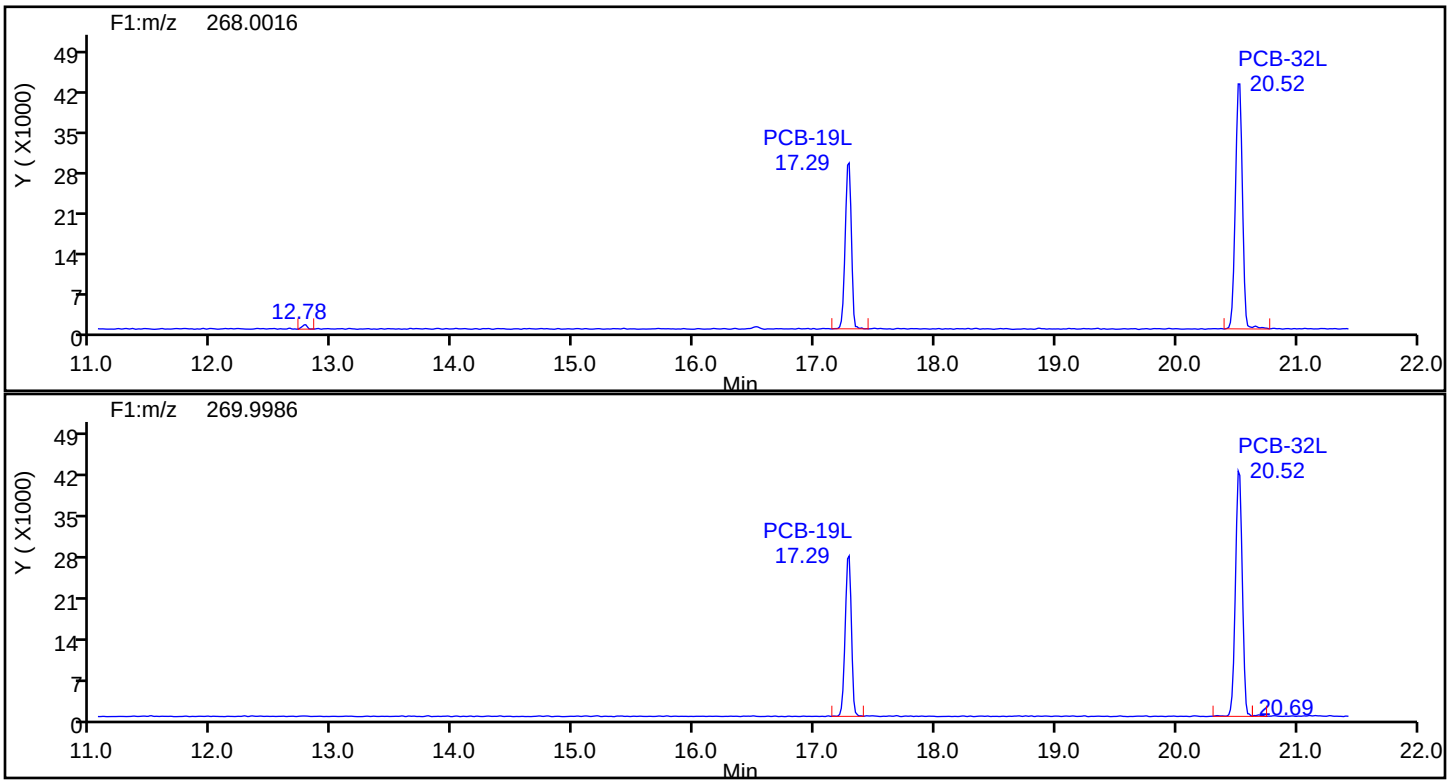
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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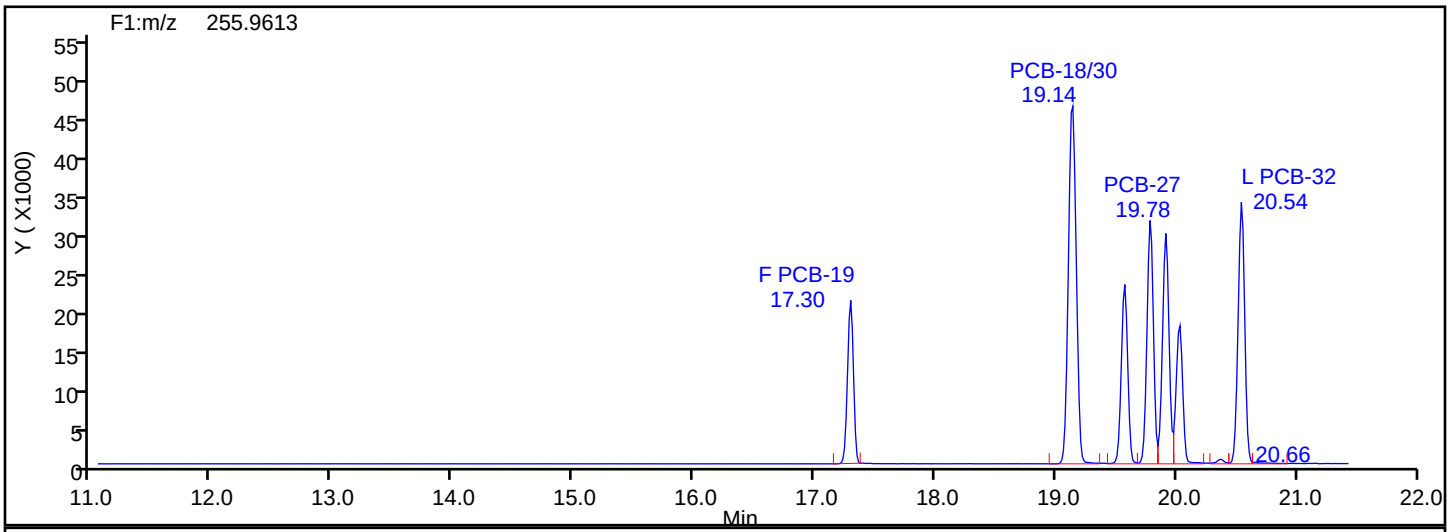
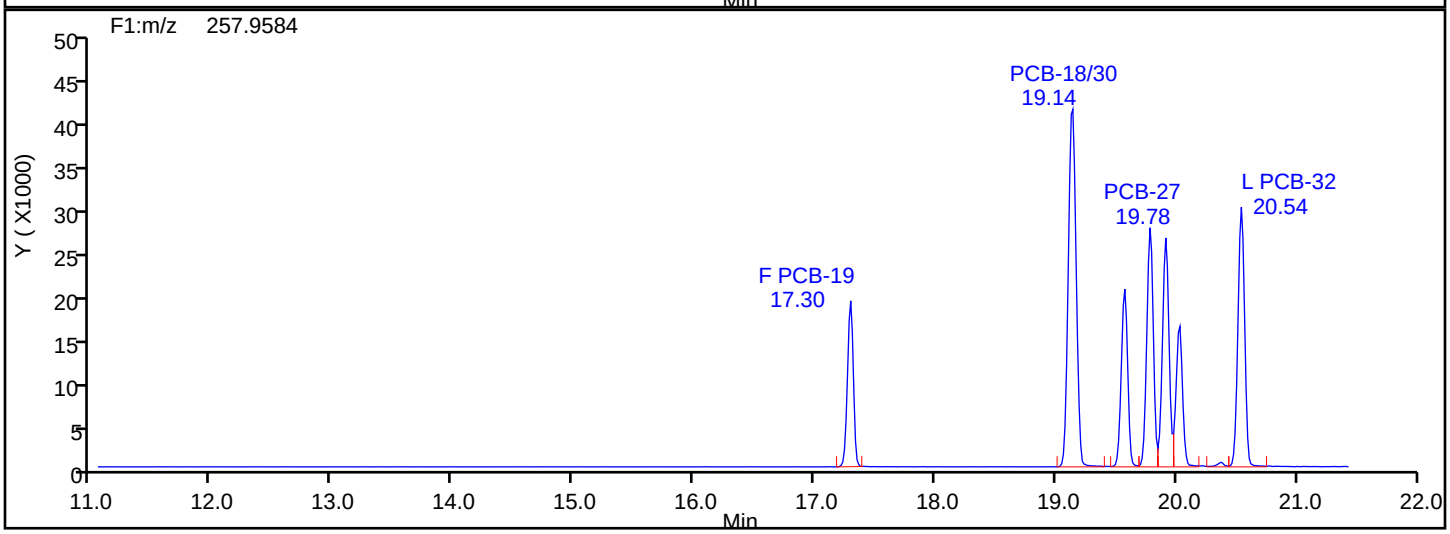
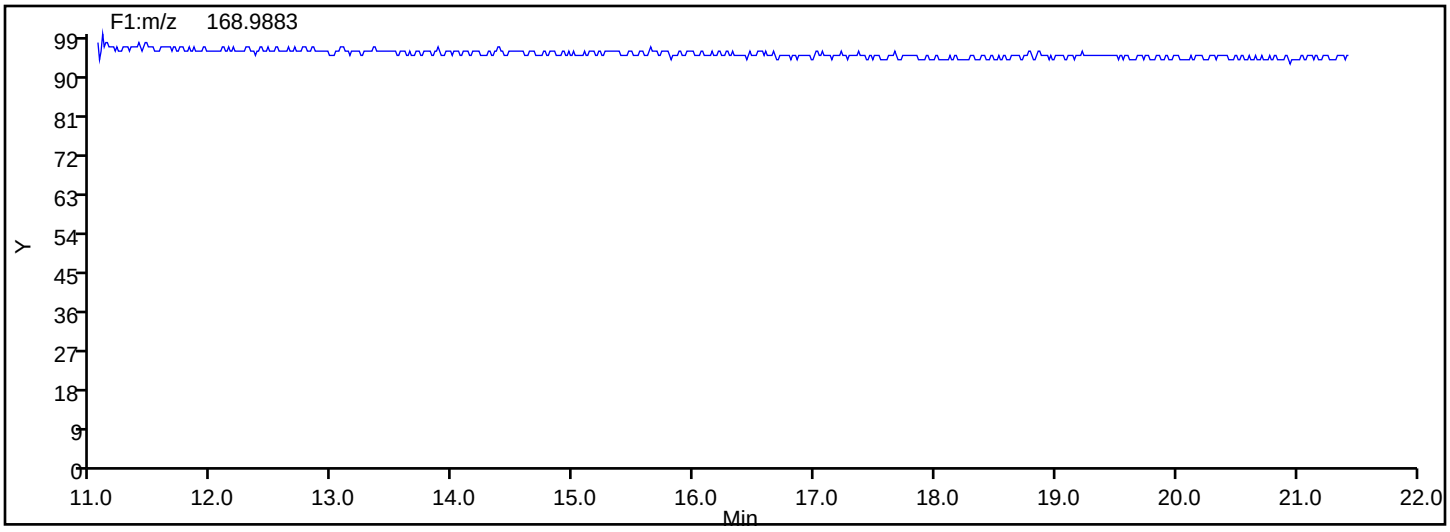
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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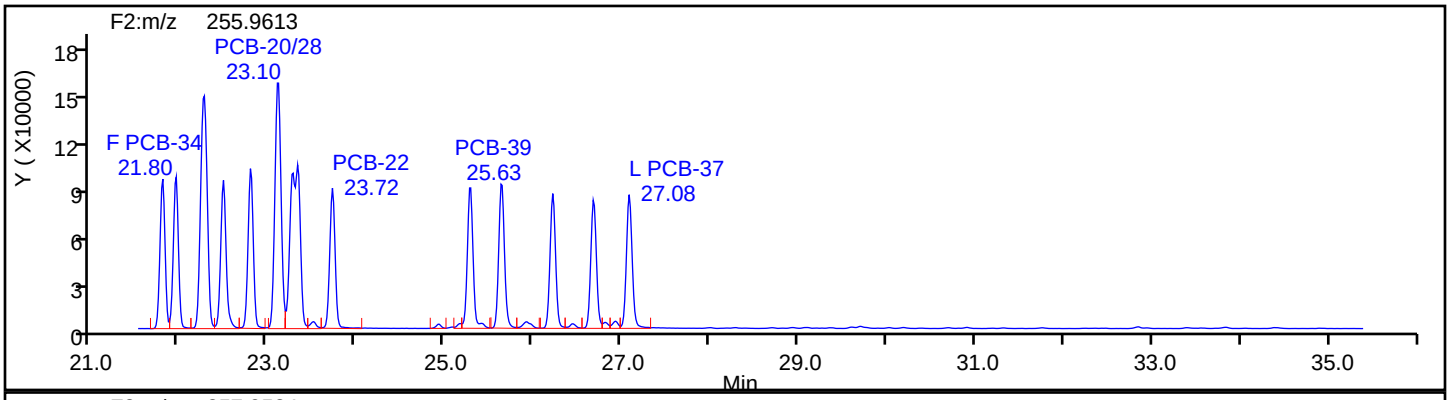
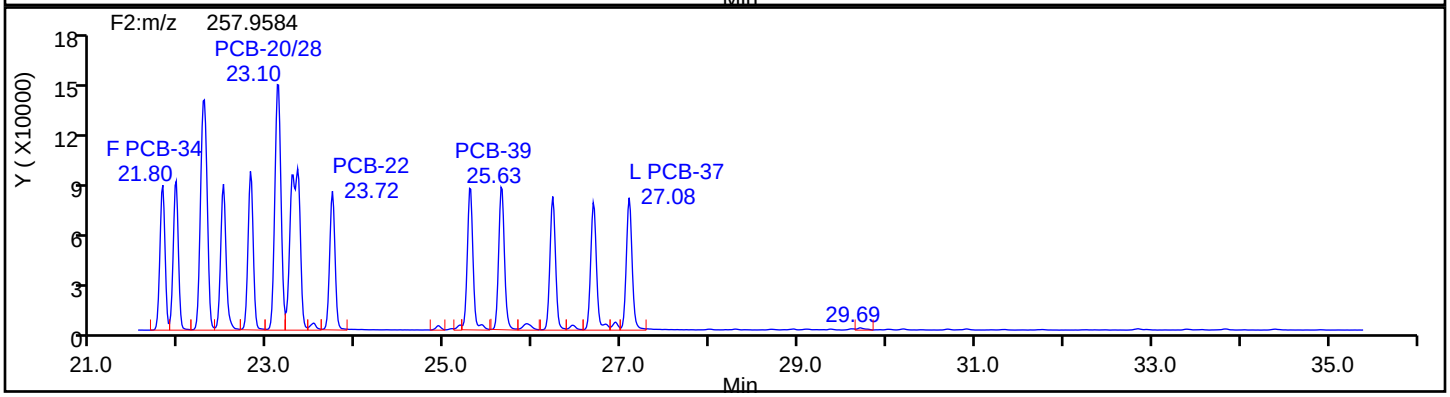
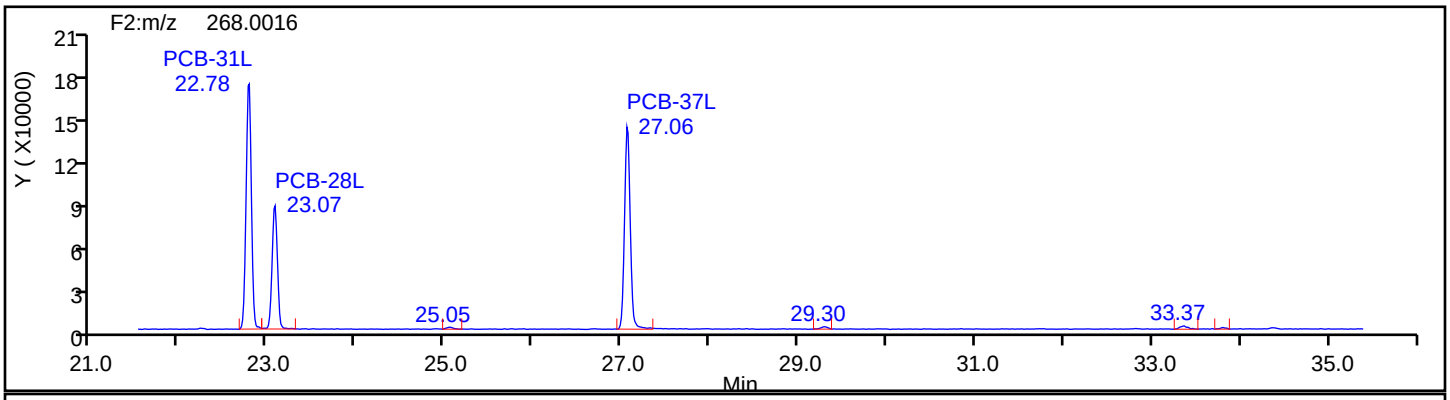
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

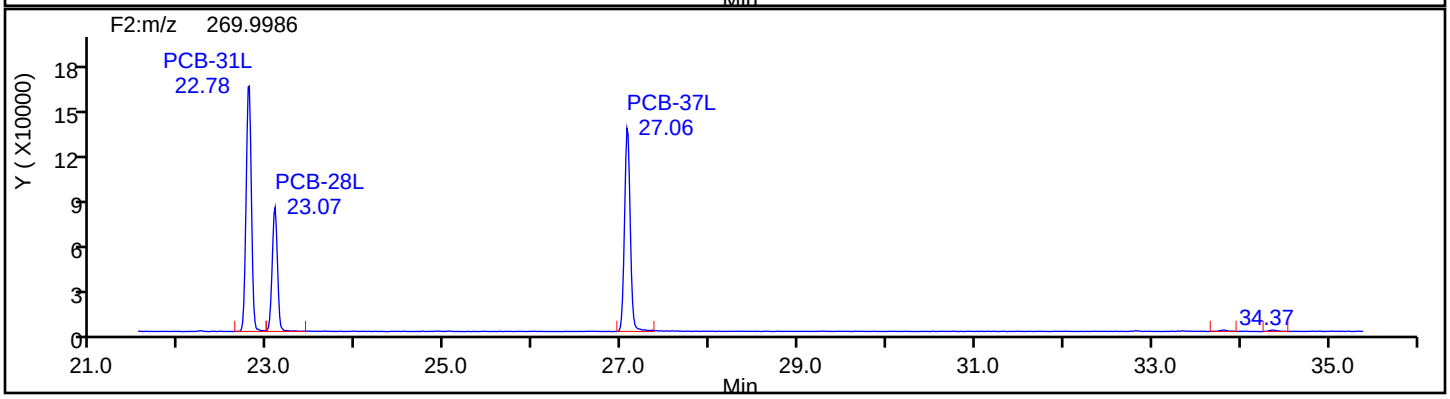
TriPCB F2




TriPCB F2 Standards

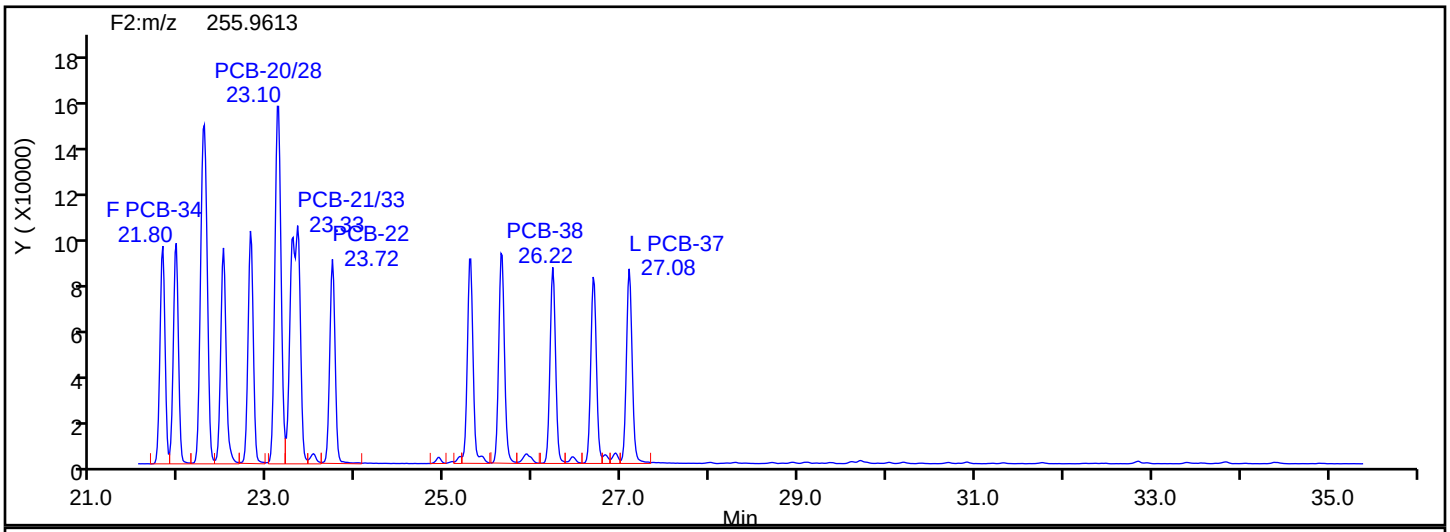


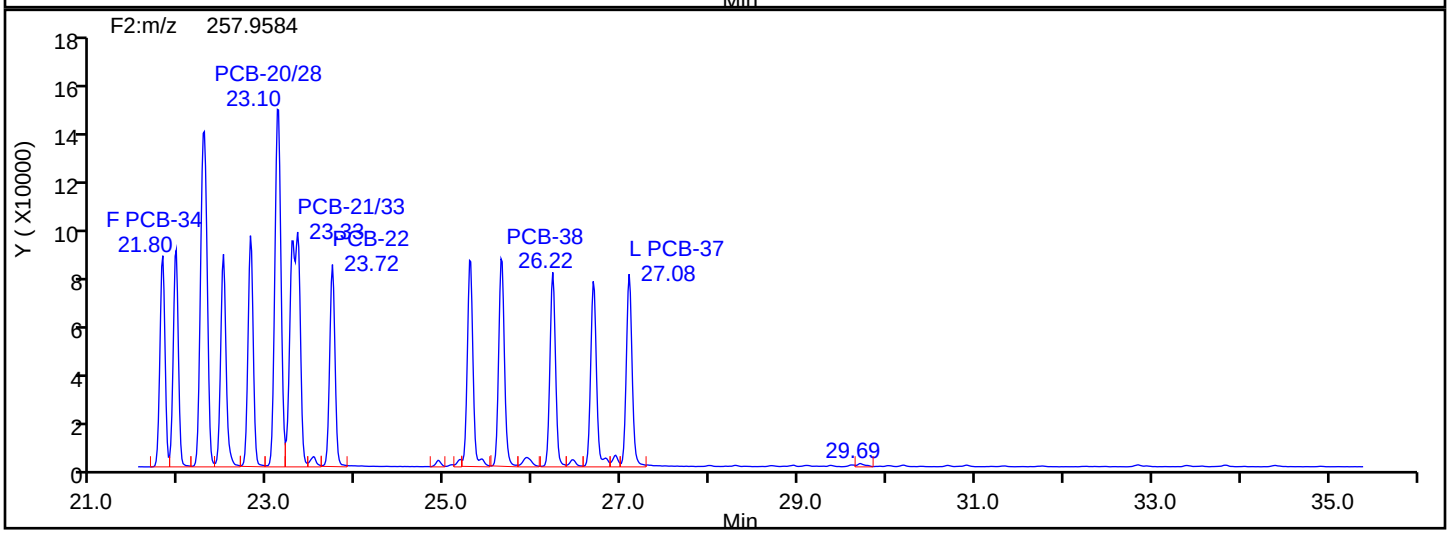



Eurofins TestAmerica, Knoxville

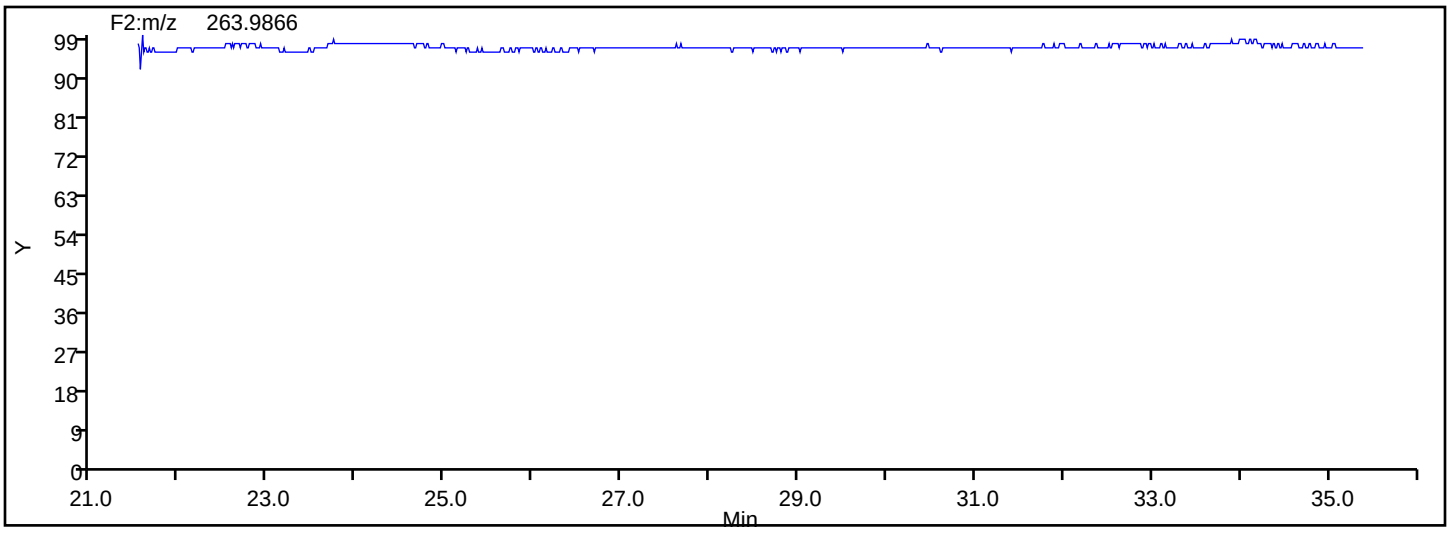
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



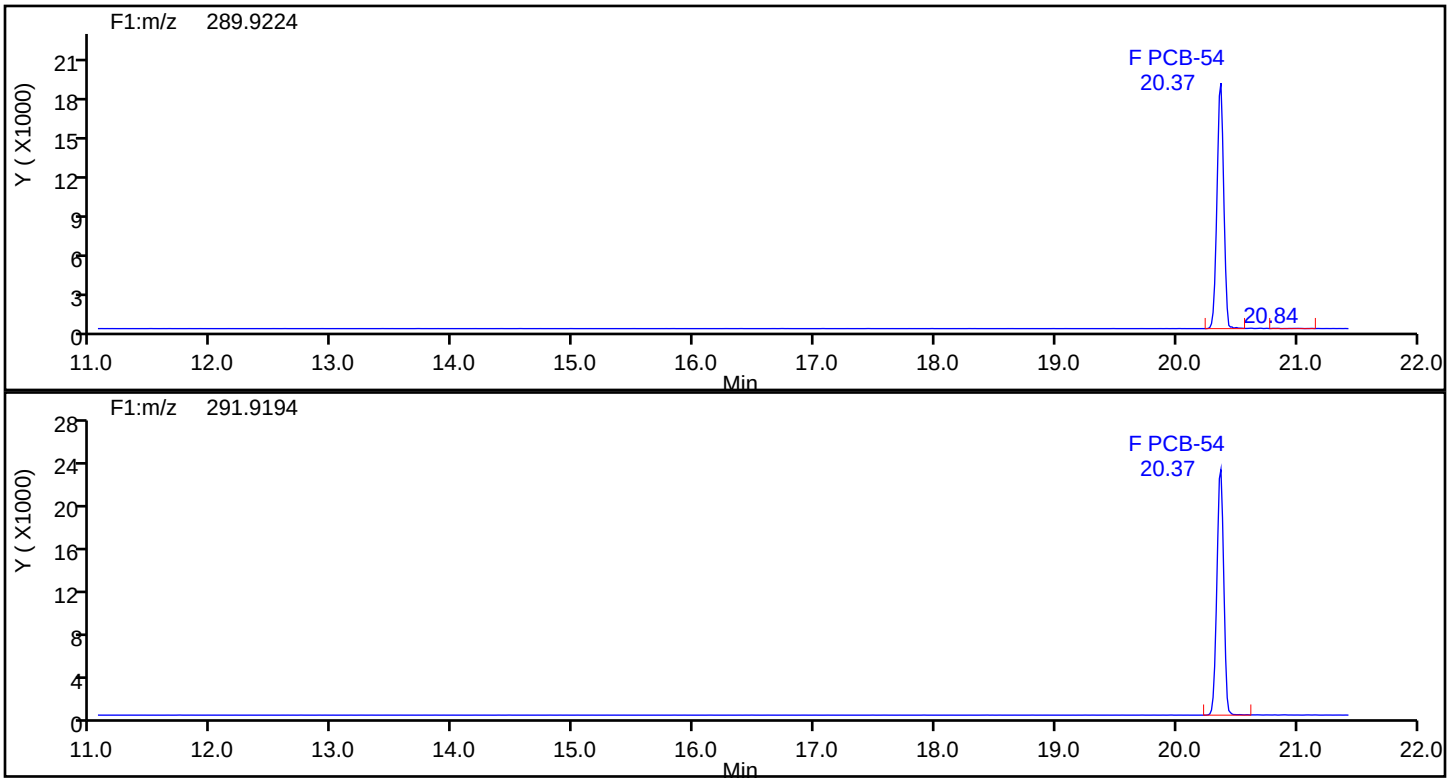

TriPCB F2 Lock Mass



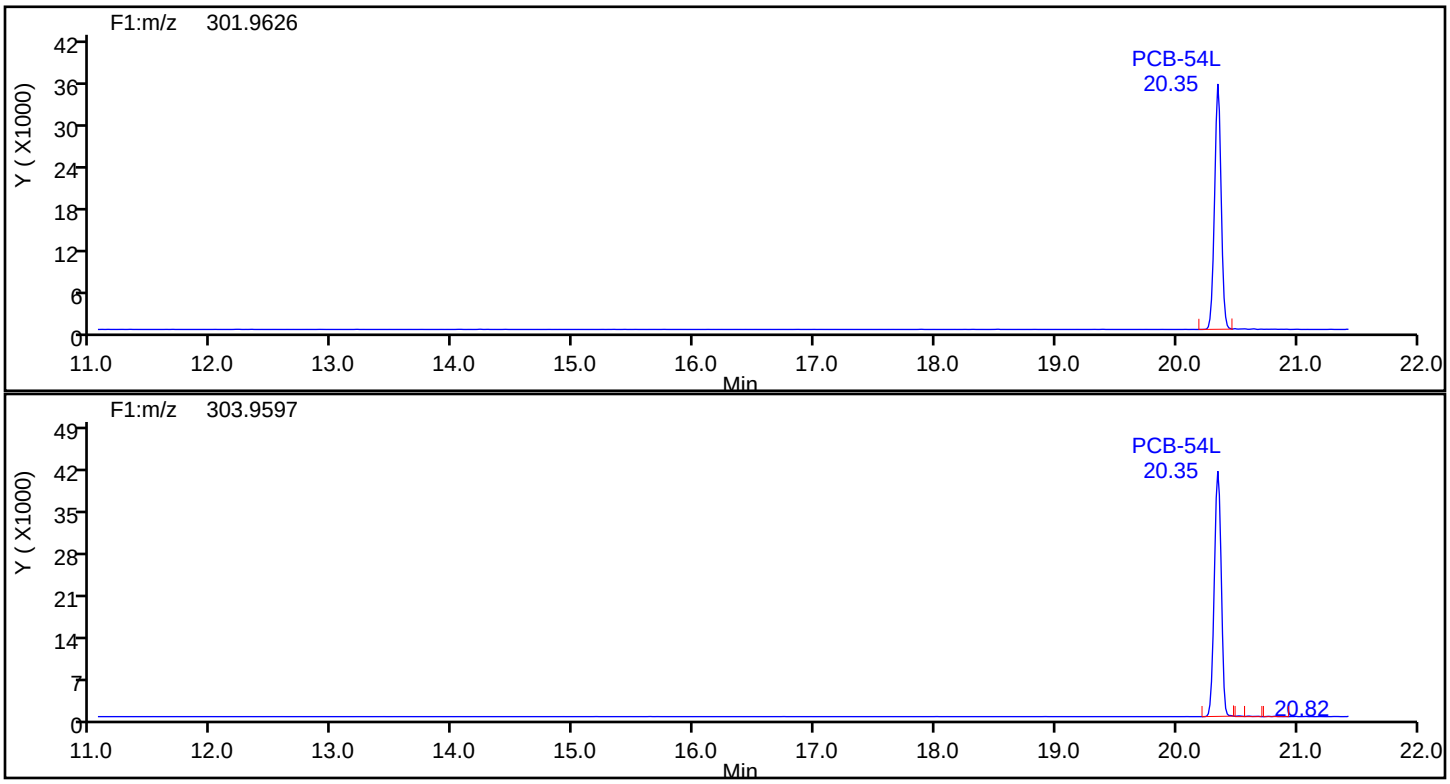
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

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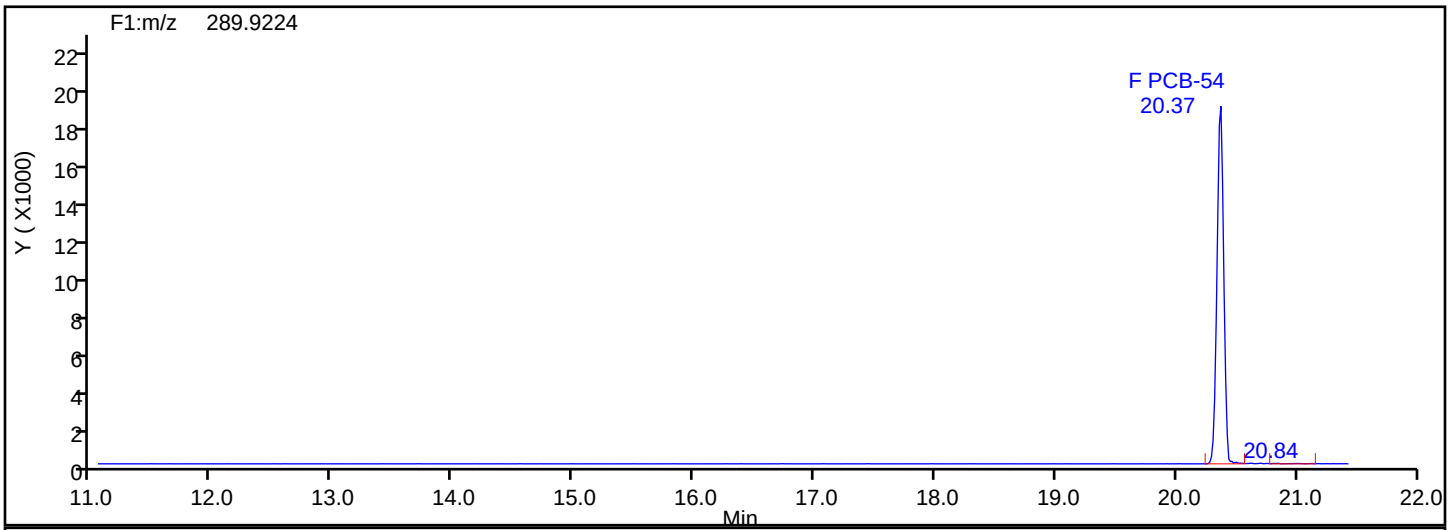
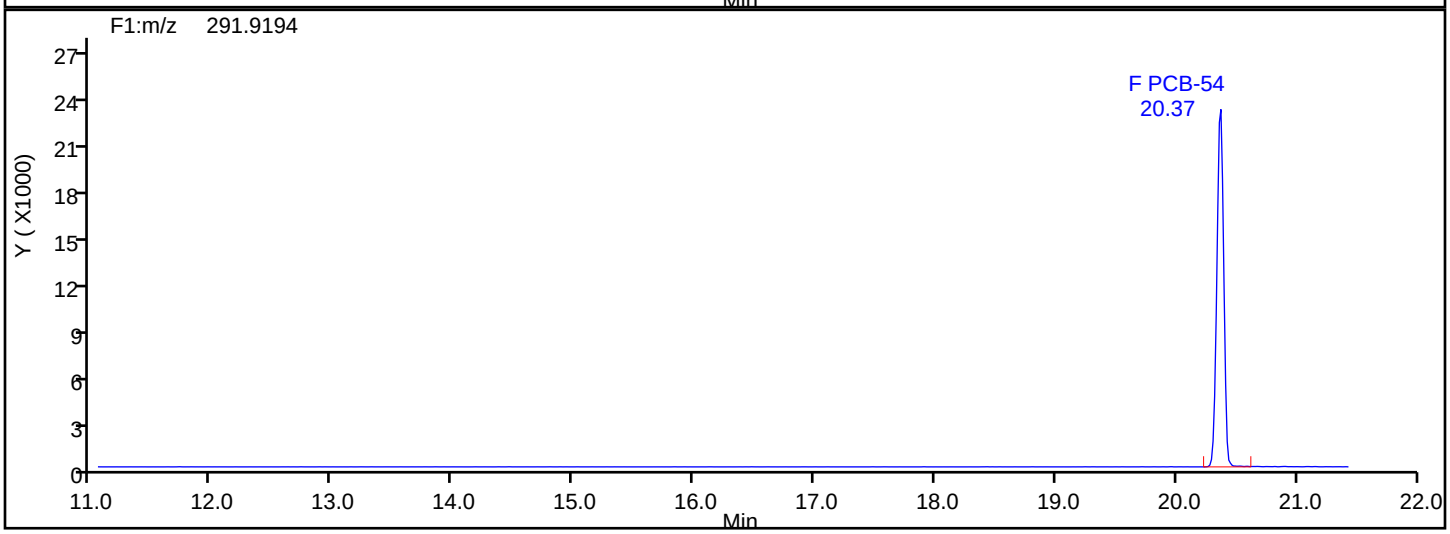
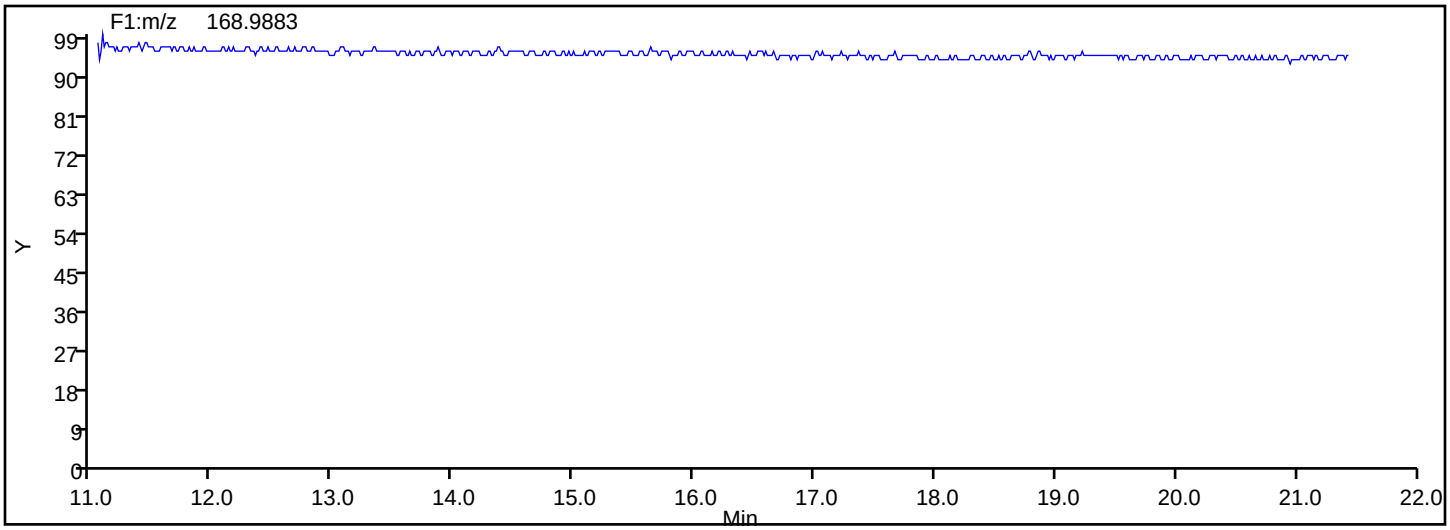
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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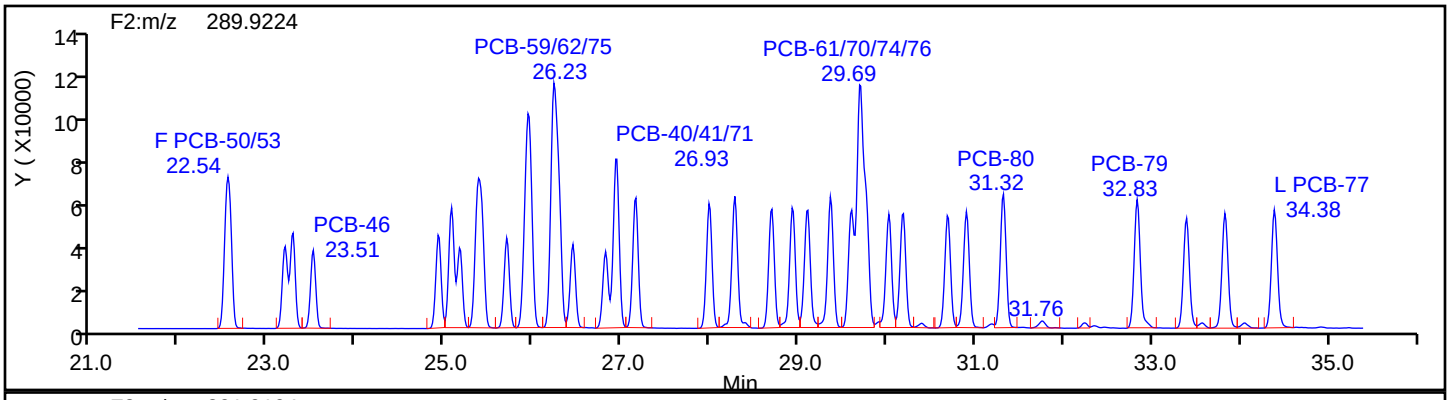
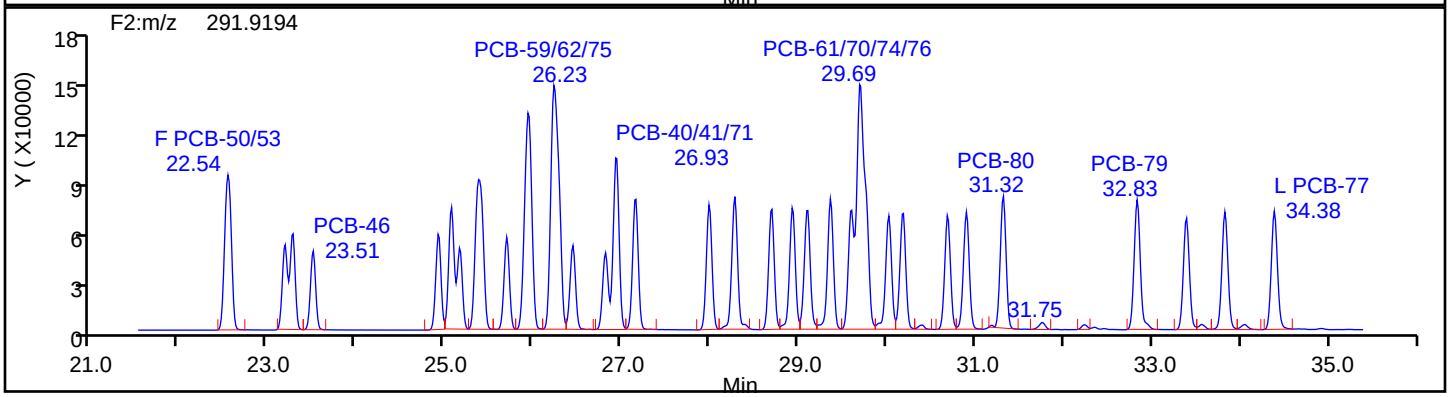
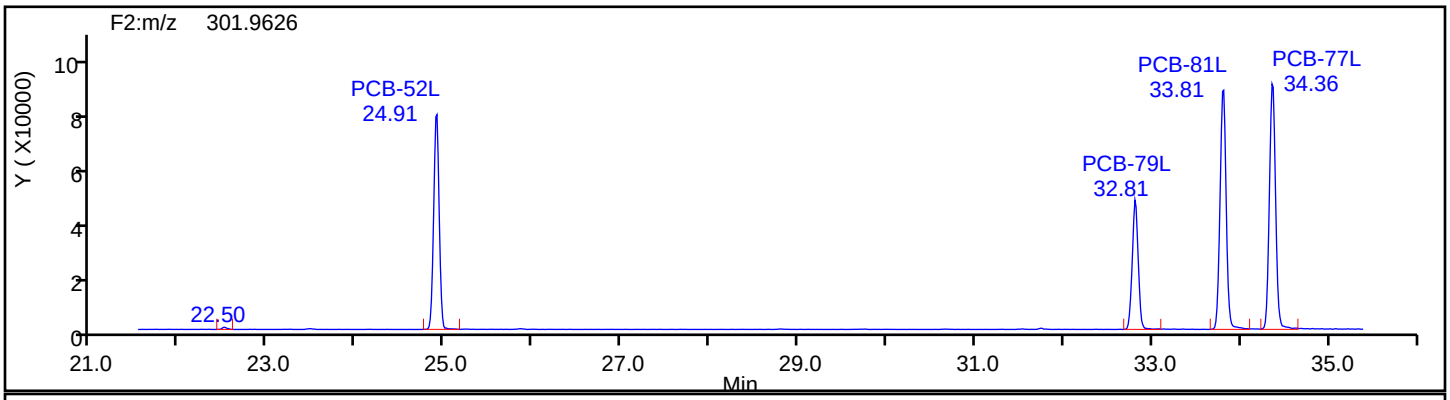
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

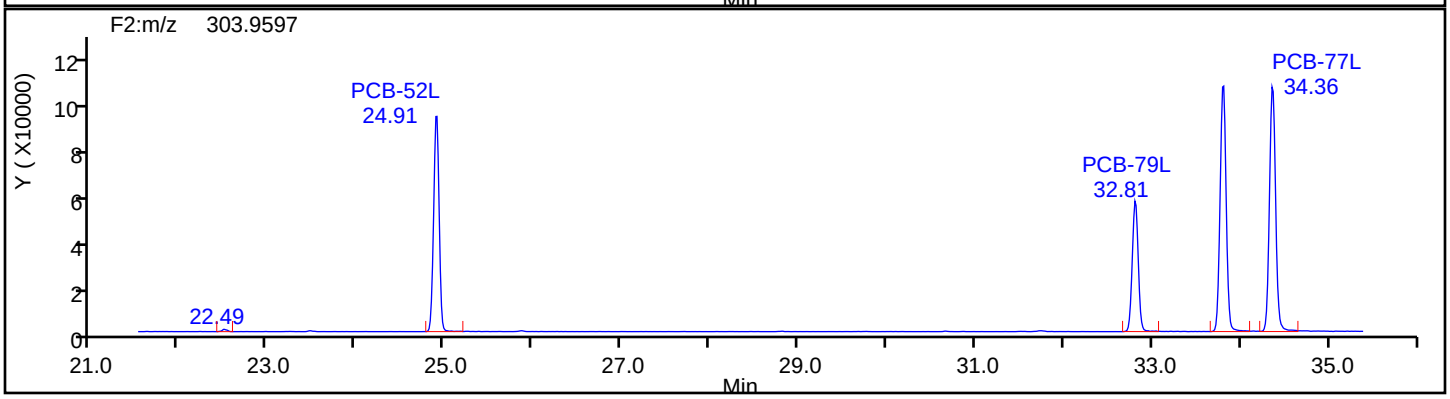
TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

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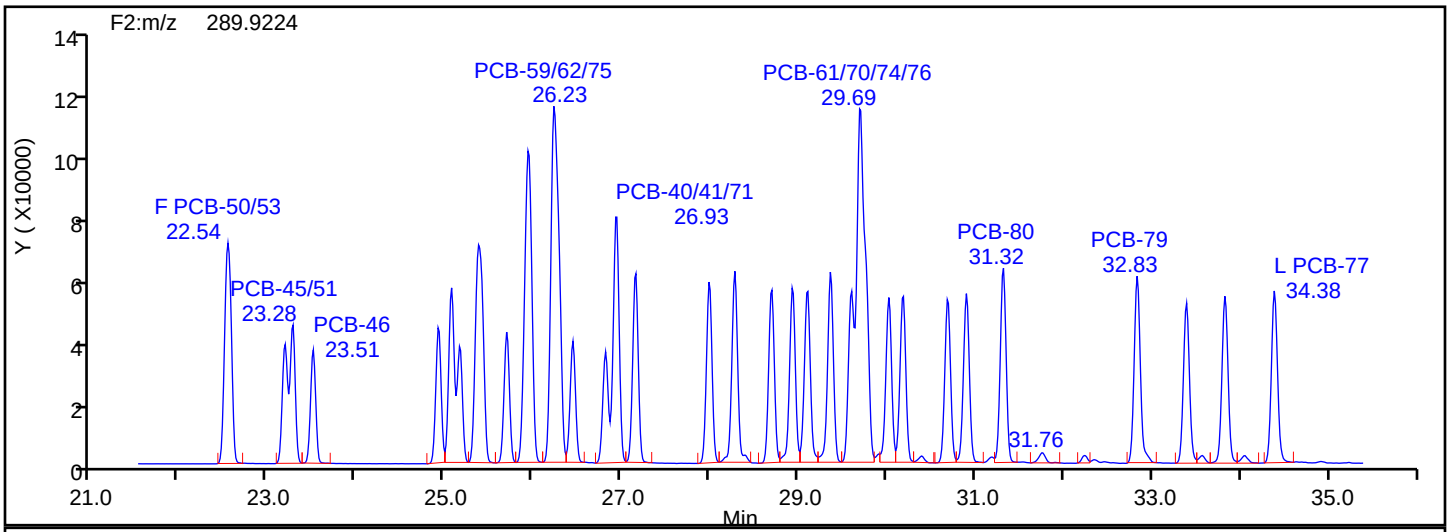
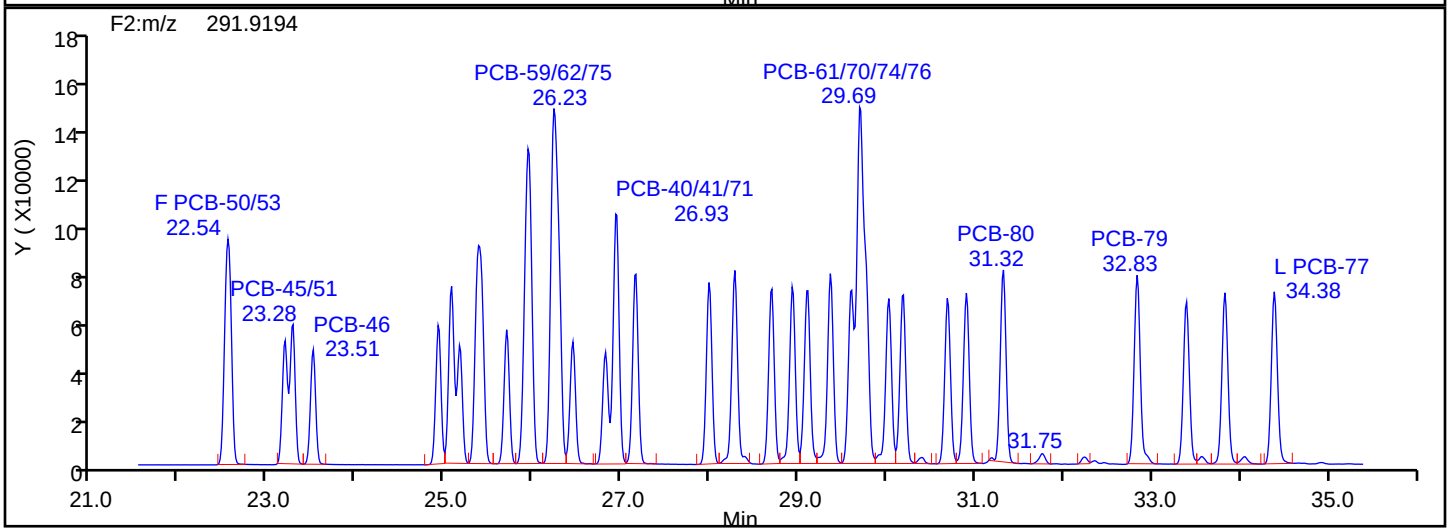
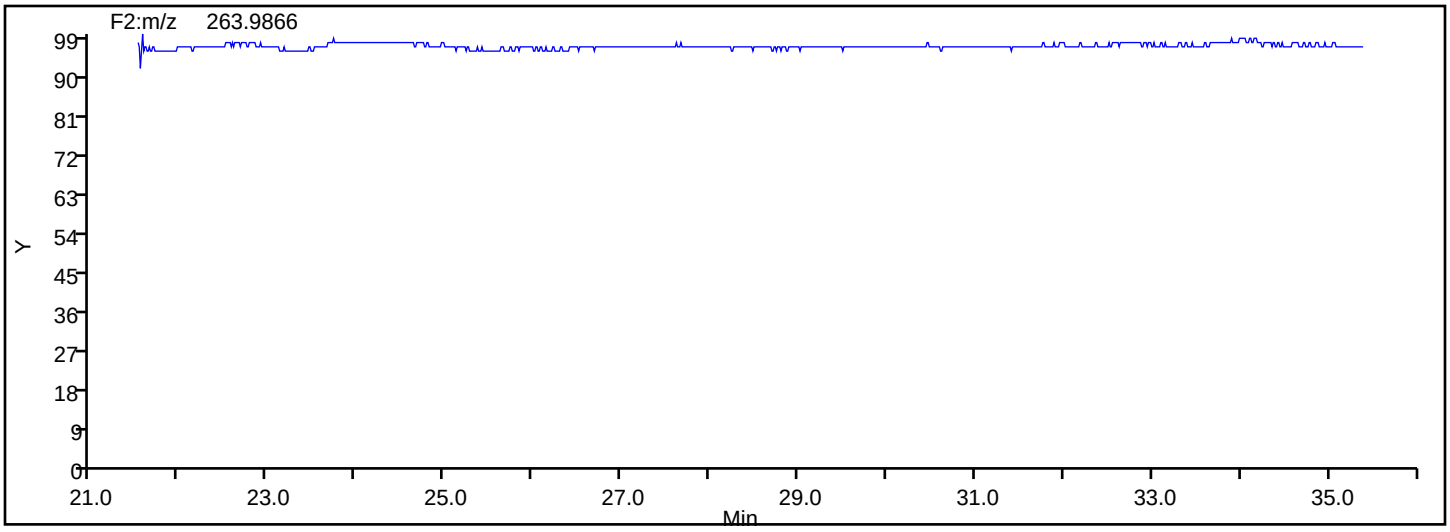
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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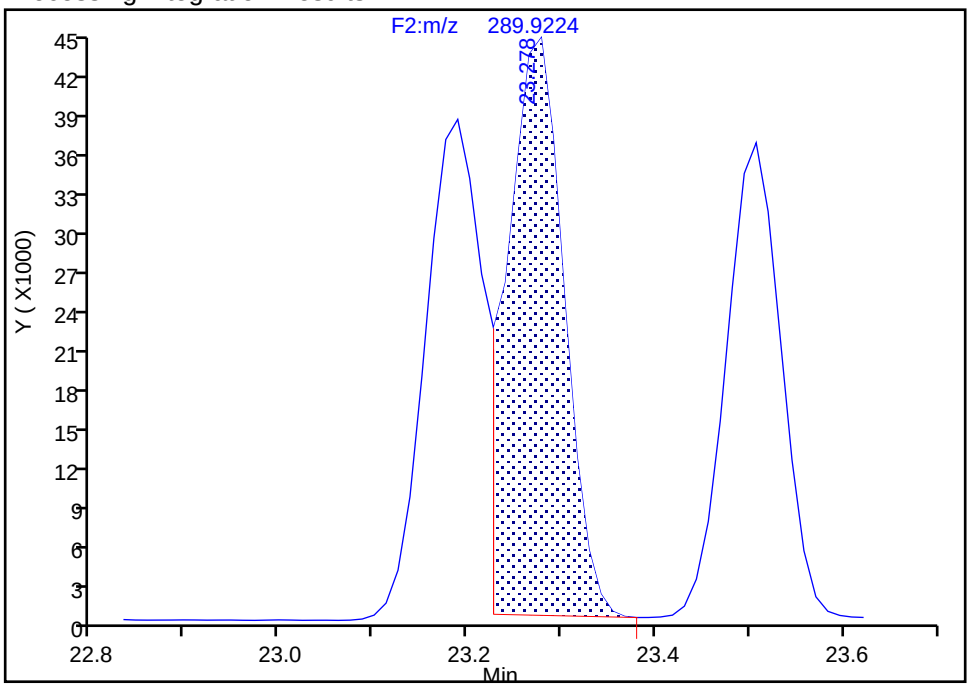
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

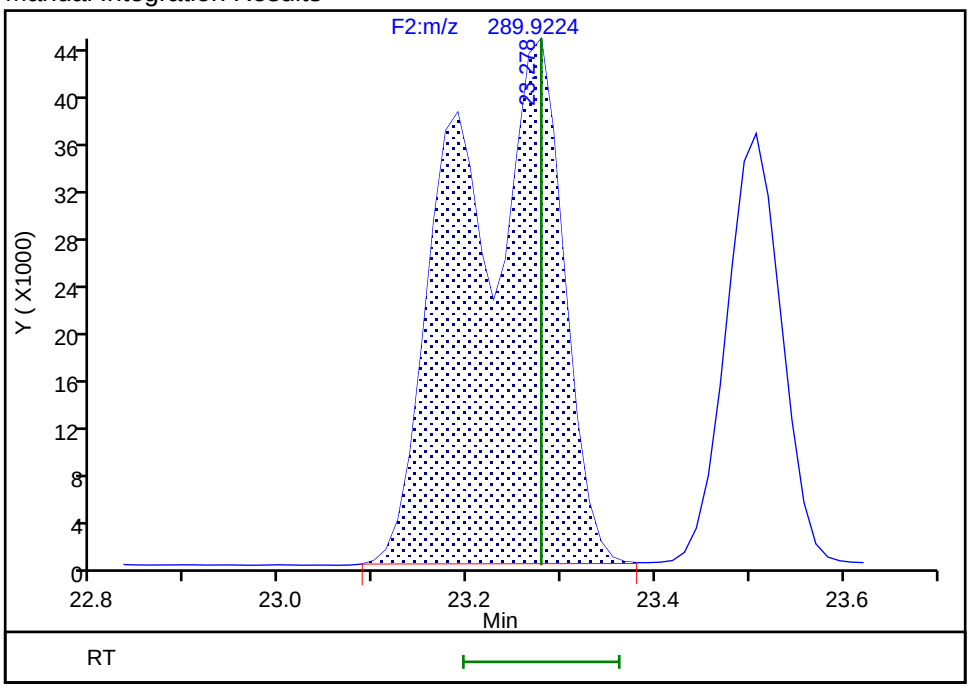
Processing Integration Results

RT: 23.28
Area: 180459
Amount: 73.286111
Amount Units: pg/ul




Manual Integration Results

RT: 23.28
Area: 340435
Amount: 92.618162
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:36:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

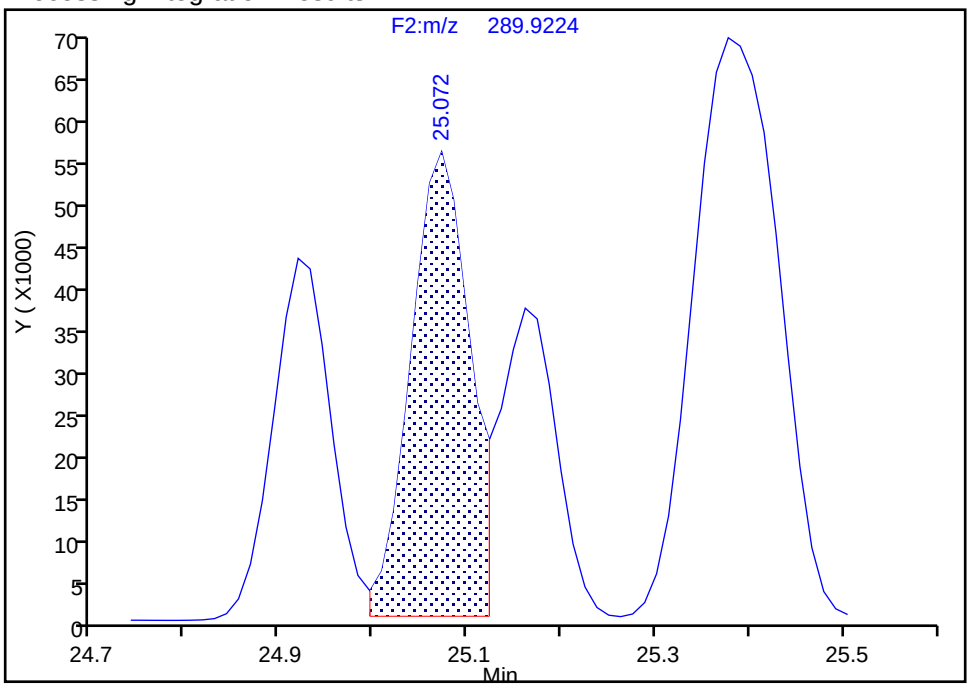
Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d
Injection Date: 25-Sep-2019 22:28:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

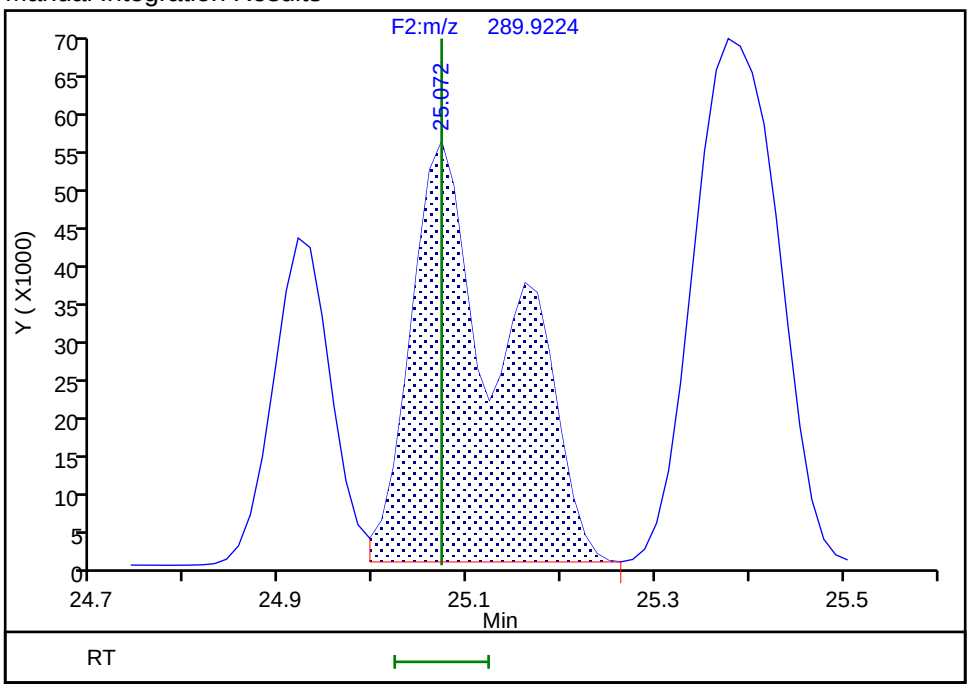
Processing Integration Results

RT: 25.07
Area: 240915
Amount: 58.435727
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 393603
Amount: 95.059739
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:36:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

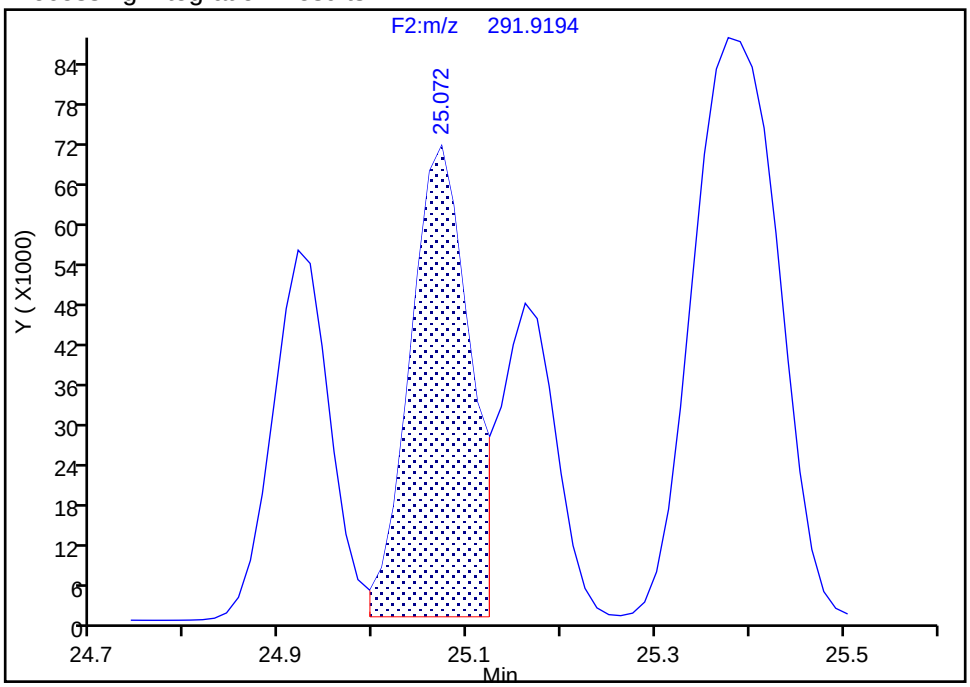
Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d
Injection Date: 25-Sep-2019 22:28:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

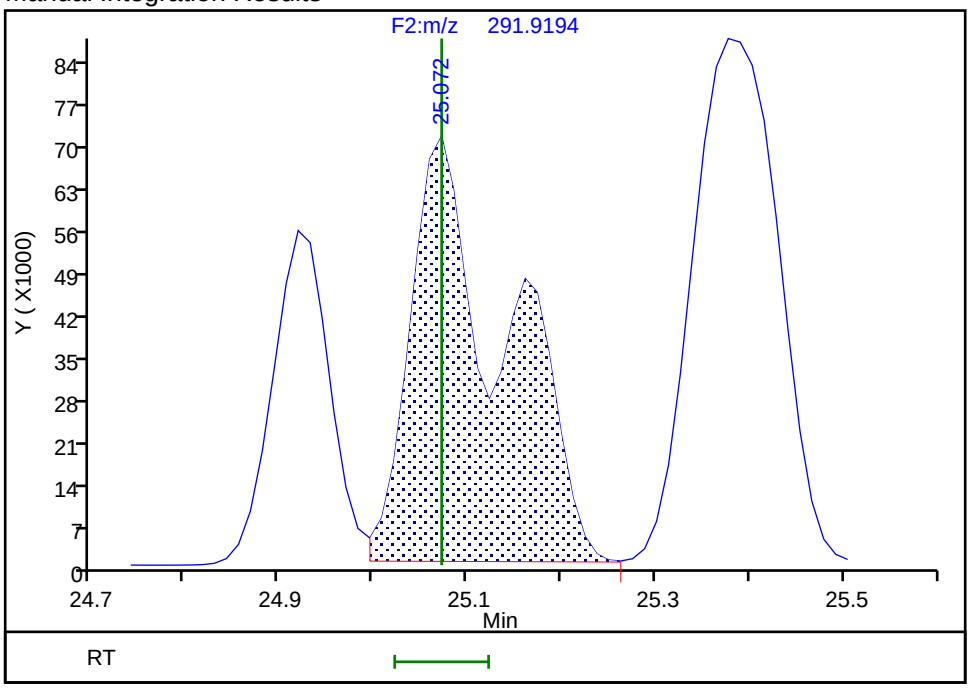
Processing Integration Results

RT: 25.07
Area: 305112
Amount: 58.435727
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 494641
Amount: 95.059739
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:36:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

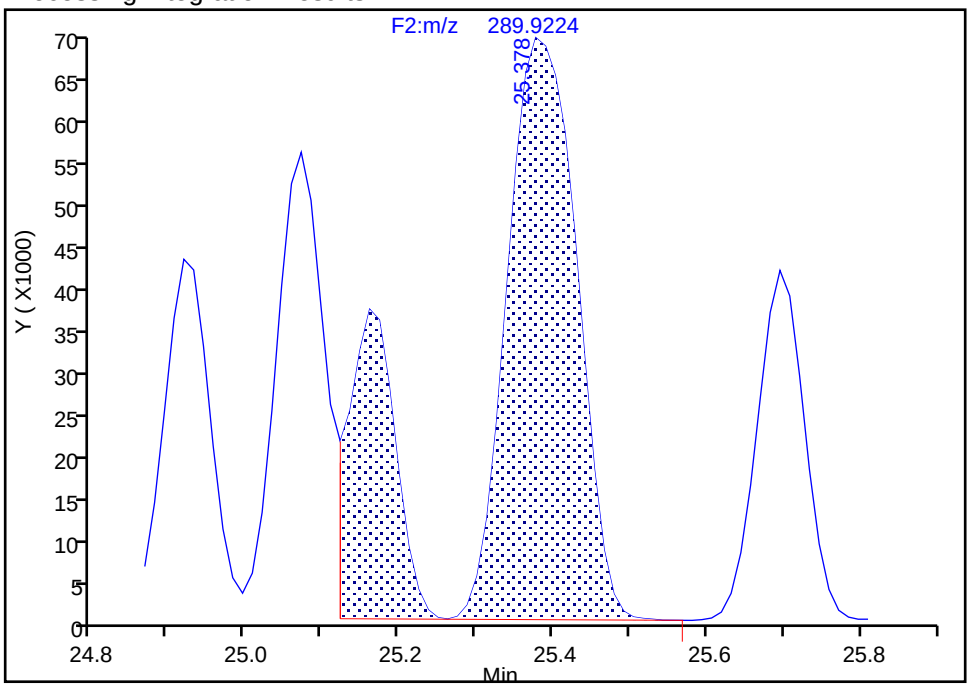
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 1

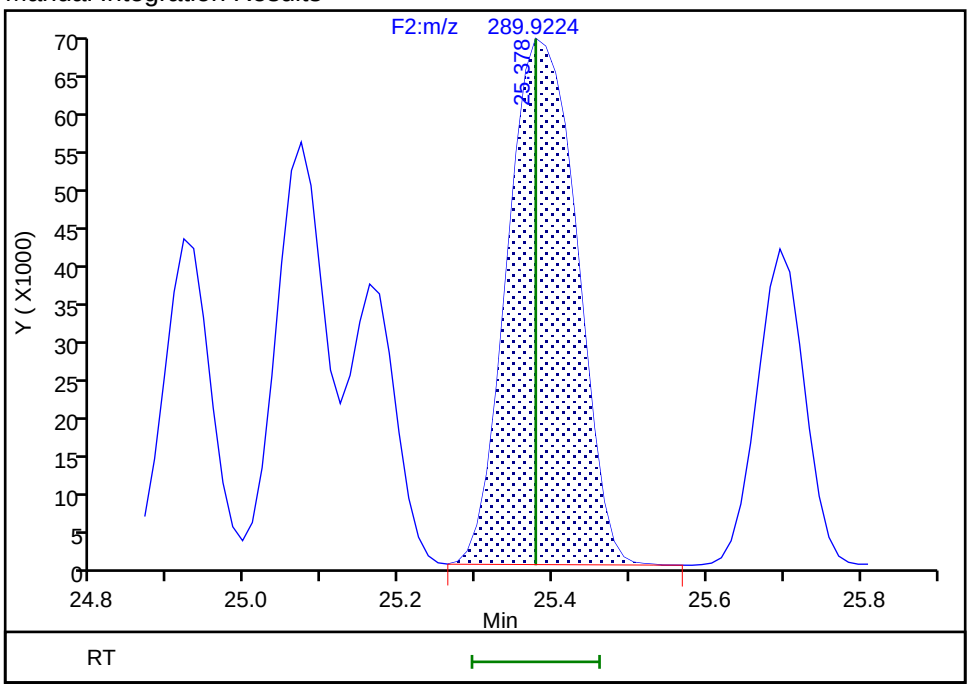
Processing Integration Results

RT: 25.38
Area: 588274
Amount: 107.0847
Amount Units: pg/ul




Manual Integration Results

RT: 25.38
Area: 436245
Amount: 92.779162
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:36:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

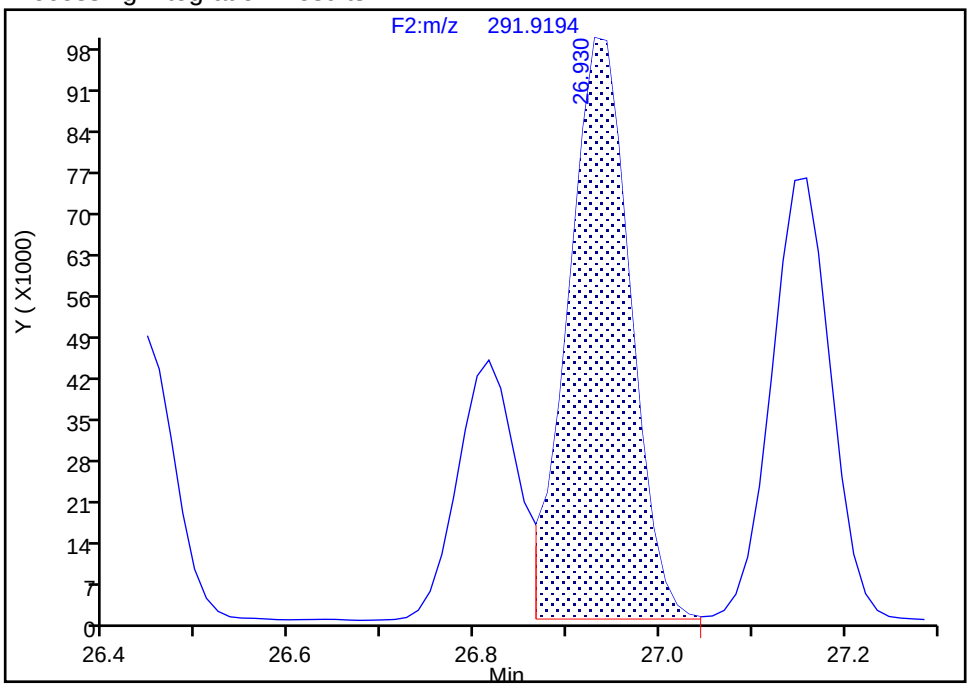
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

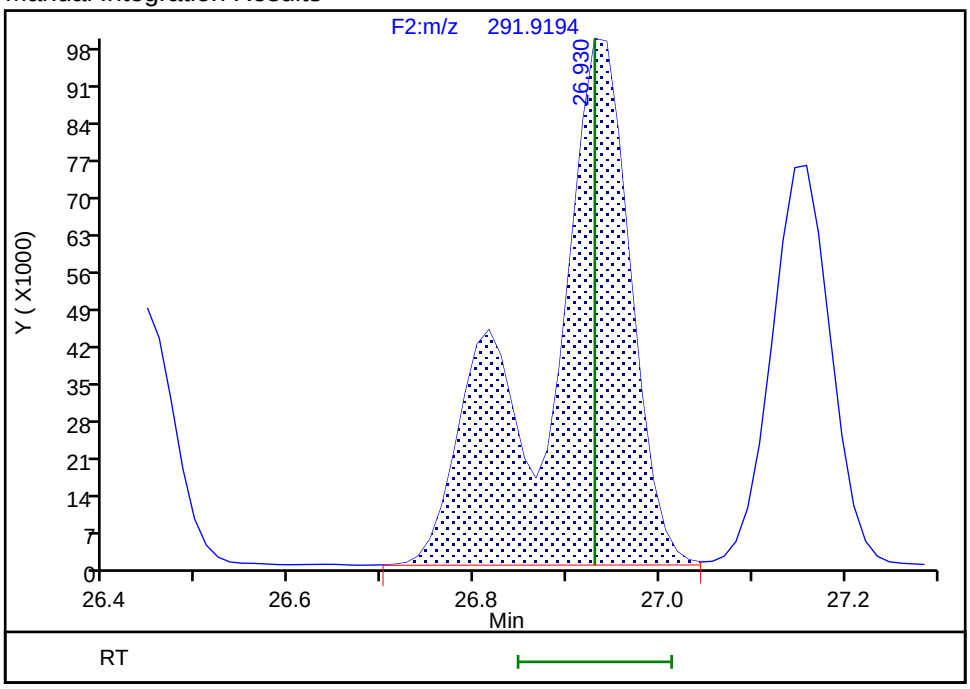
Processing Integration Results

RT: 26.93
Area: 460951
Amount: 96.292354
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 658232
Amount: 137.2515
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:36:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

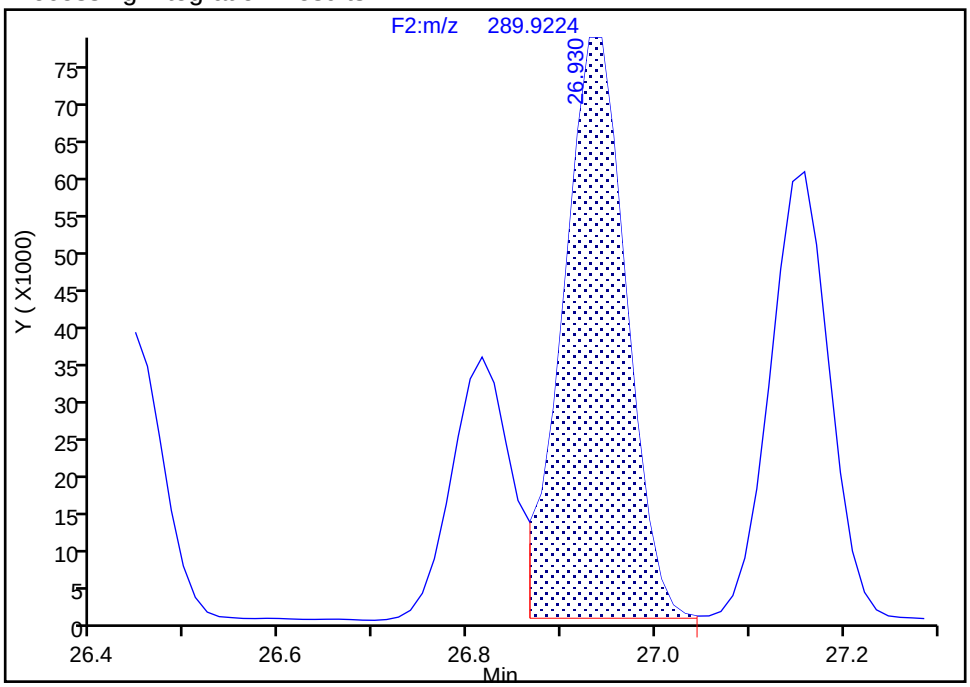
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

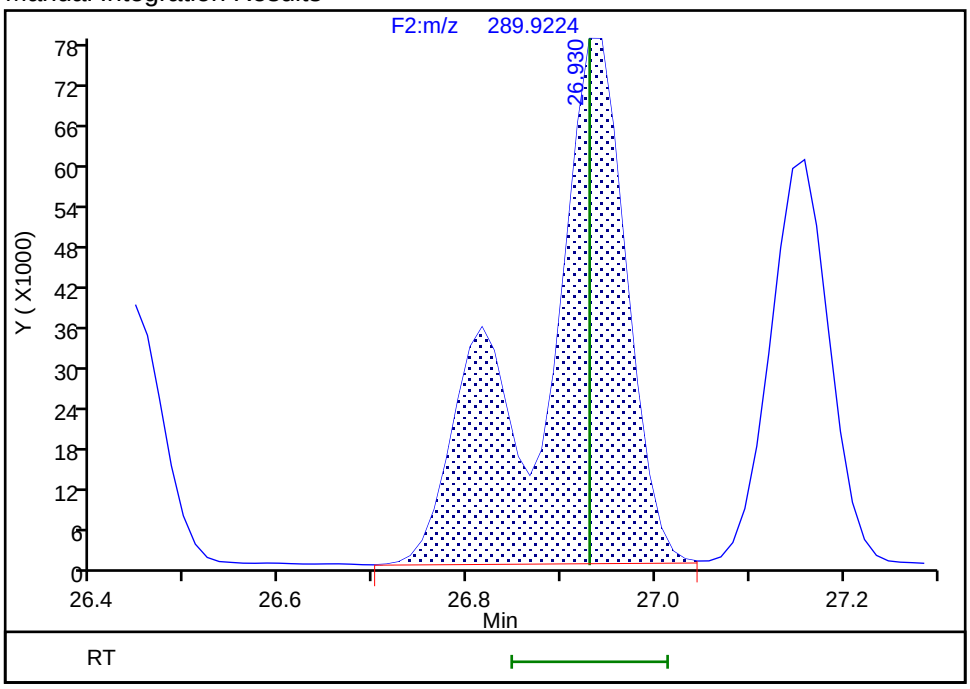
Processing Integration Results

RT: 26.93
Area: 365479
Amount: 96.292354
Amount Units: pg/ul




Manual Integration Results

RT: 26.93
Area: 519730
Amount: 137.2515
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:37:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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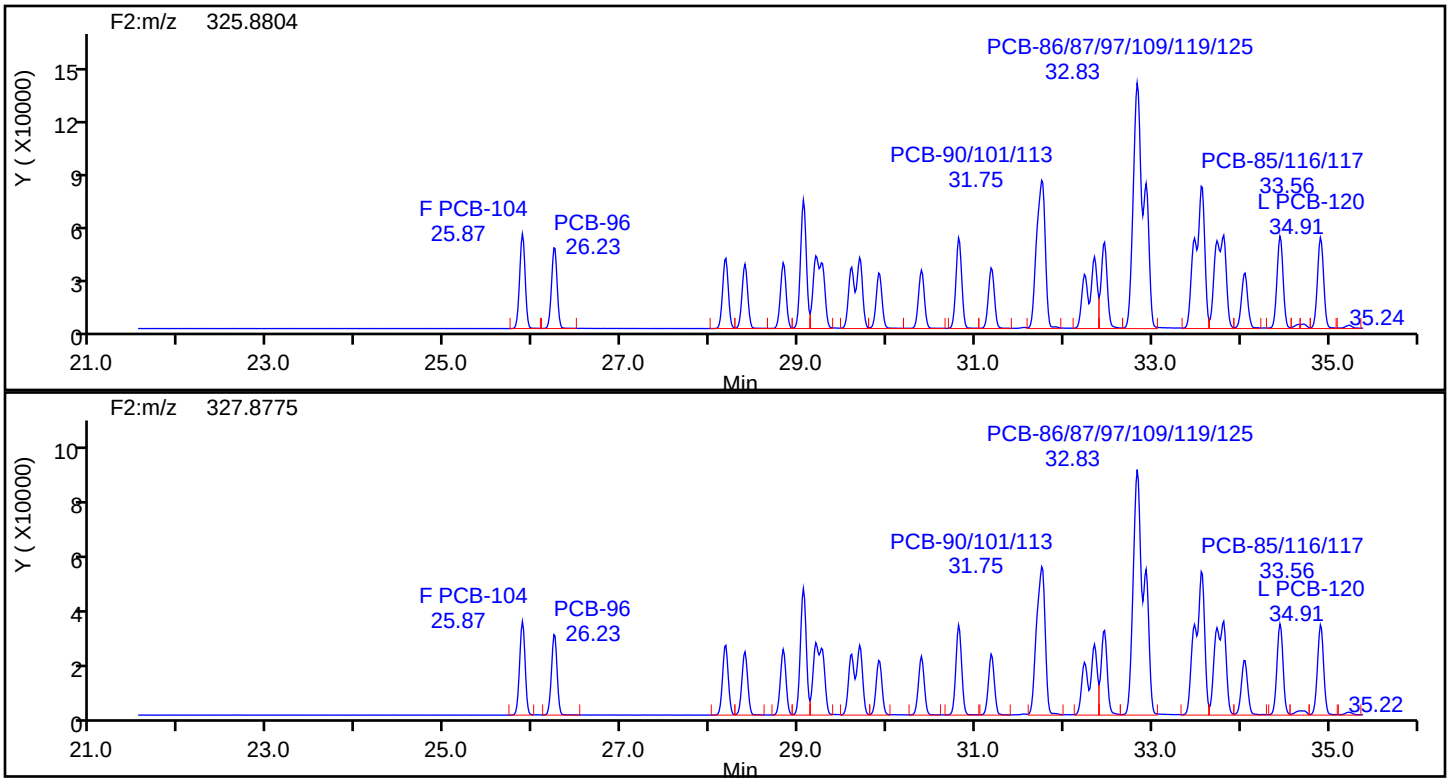
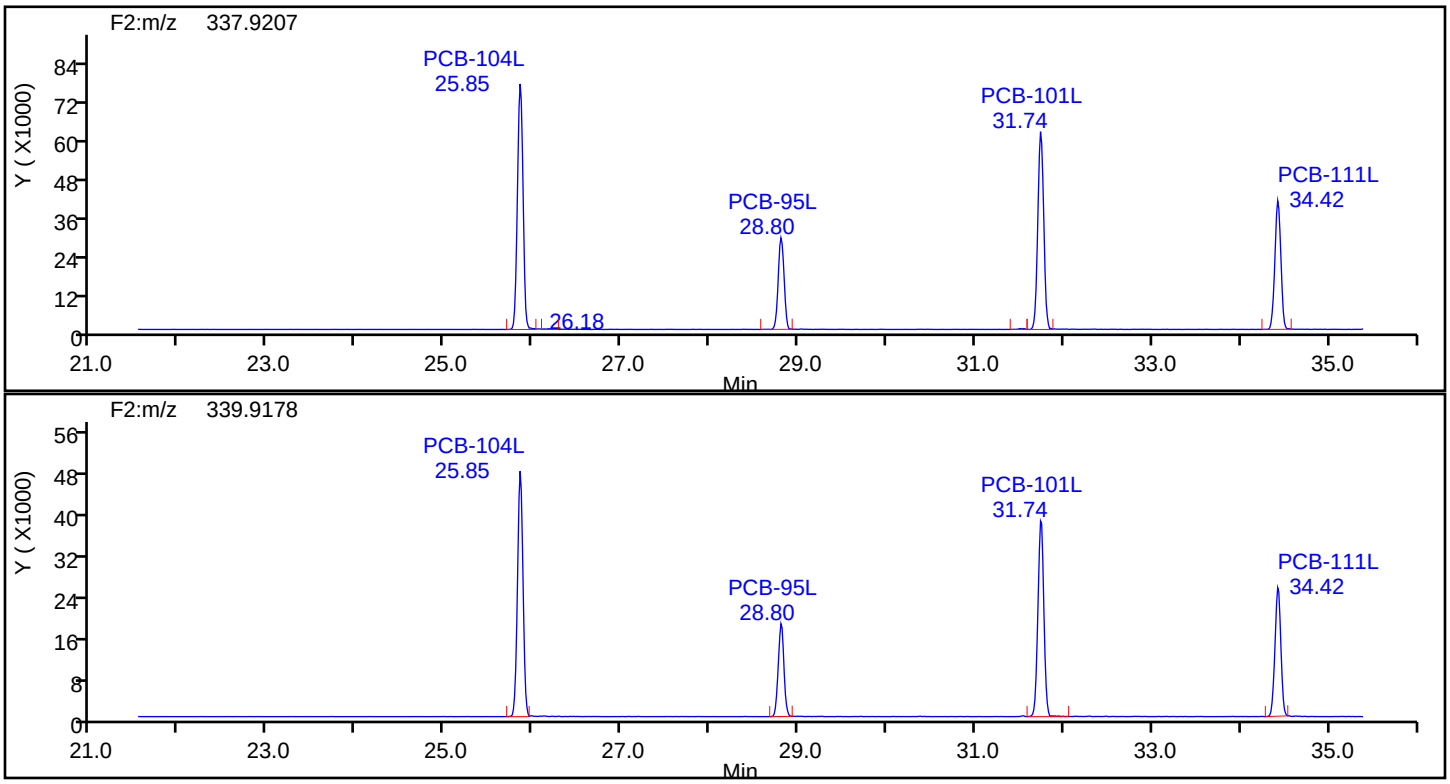
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



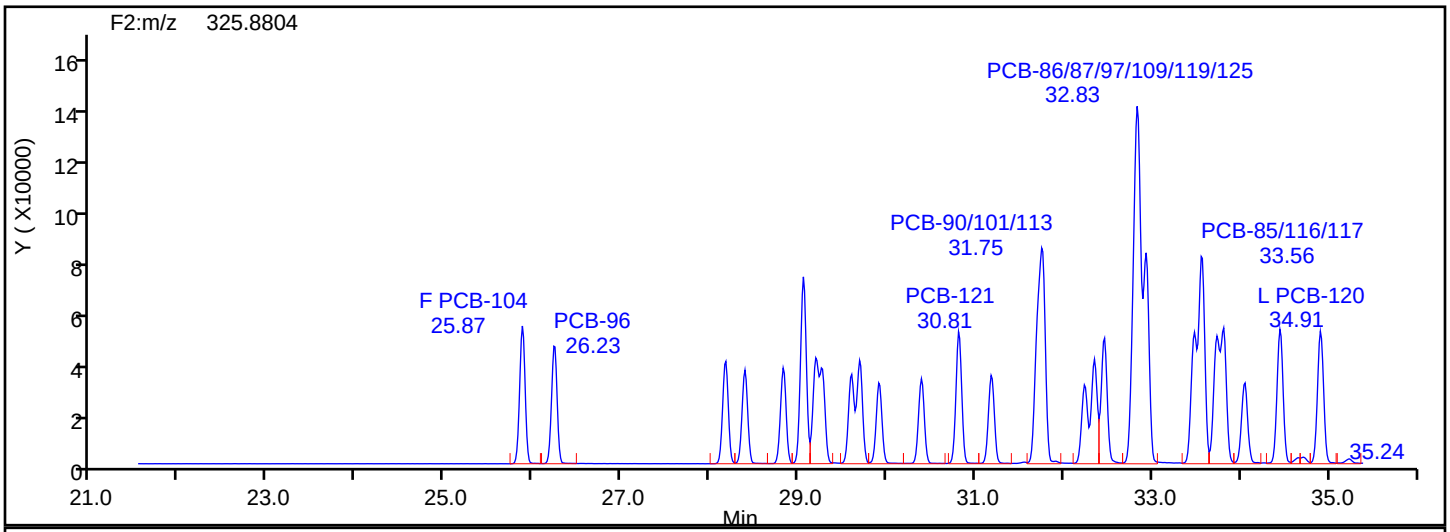

PePCB F2 Standards

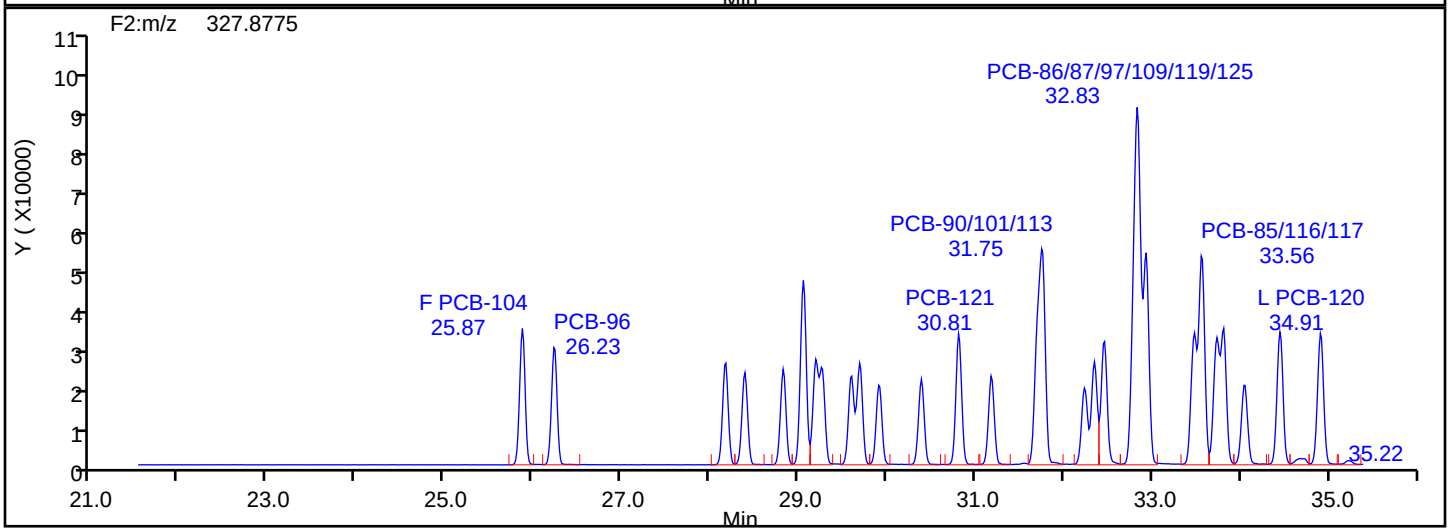


Eurofins TestAmerica, Knoxville

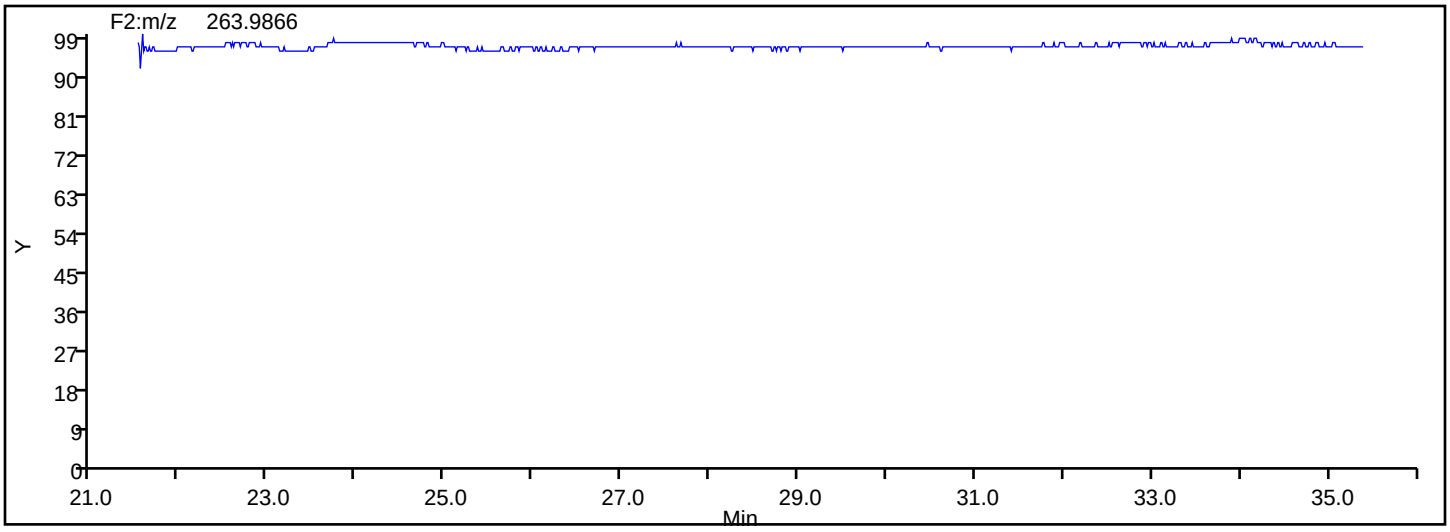
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

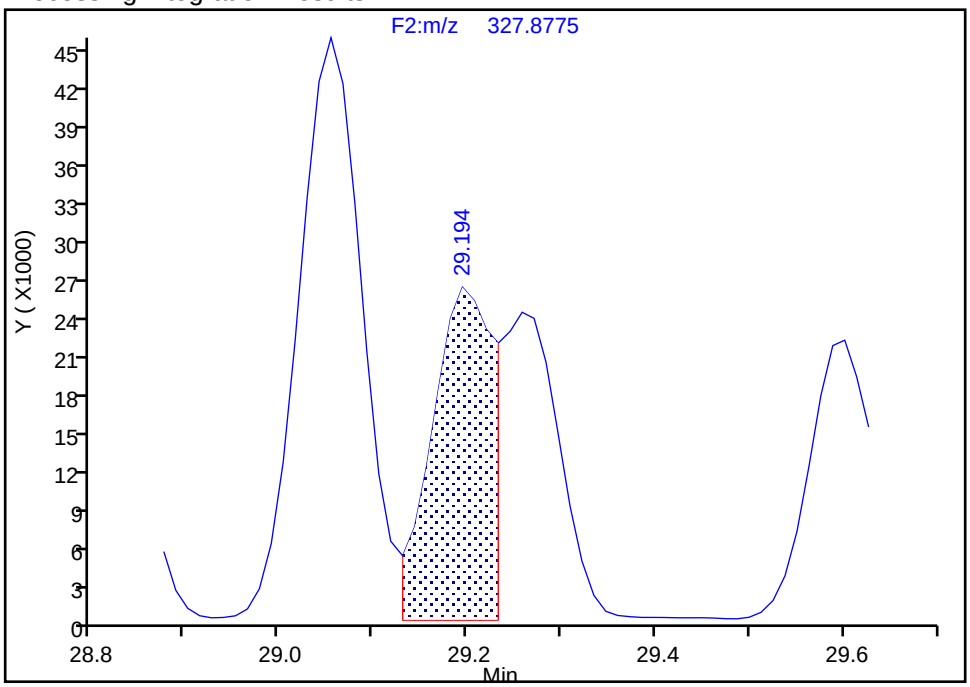
Data File: \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d
Injection Date: 25-Sep-2019 22:28:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

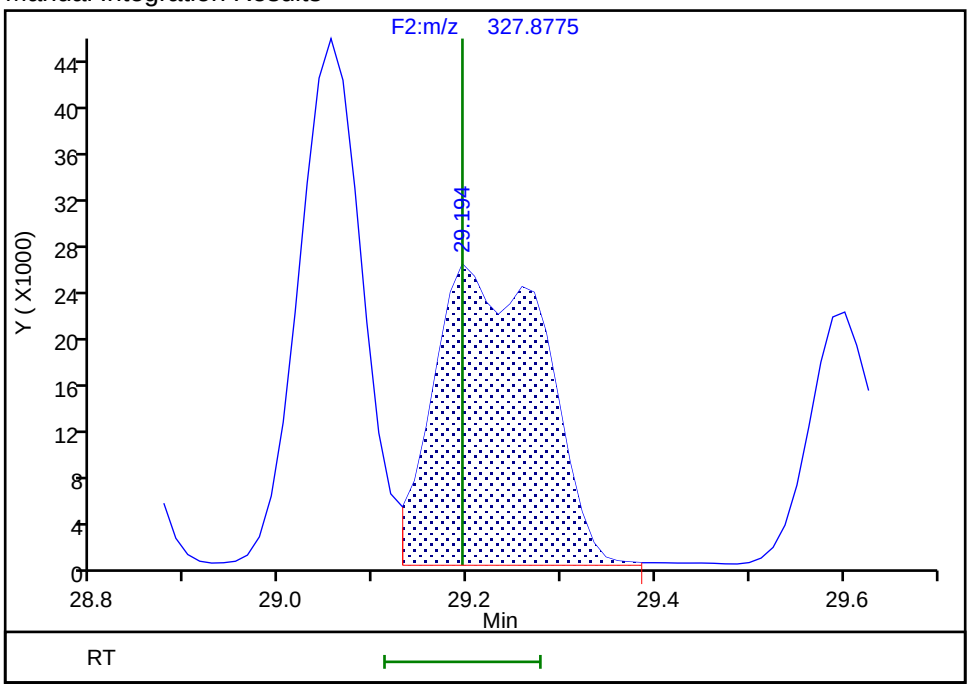
Processing Integration Results

RT: 29.19
Area: 112183
Amount: 53.898239
Amount Units: pg/ul




Manual Integration Results

RT: 29.19
Area: 212720
Amount: 101.8956
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:38:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

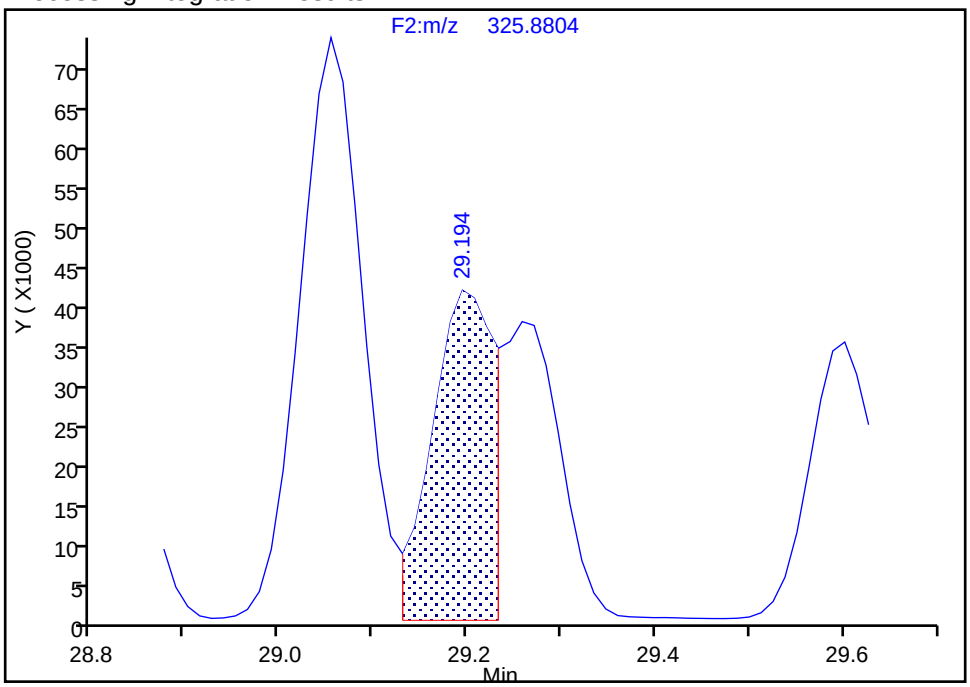
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 1

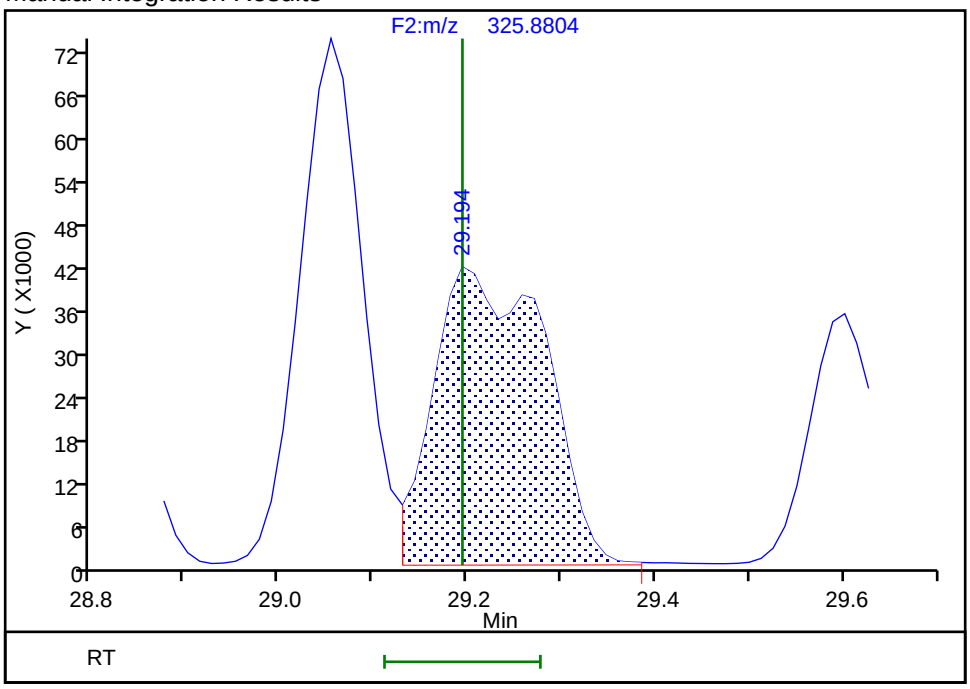
Processing Integration Results

RT: 29.19
Area: 180843
Amount: 53.898239
Amount Units: pg/ul




Manual Integration Results

RT: 29.19
Area: 341251
Amount: 101.8956
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:38:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

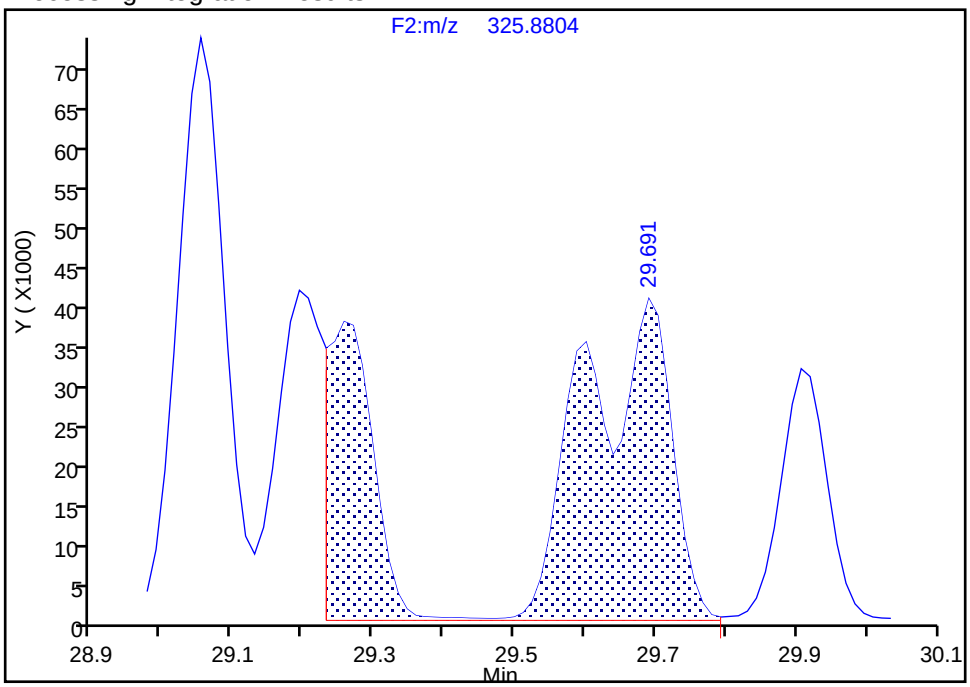
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

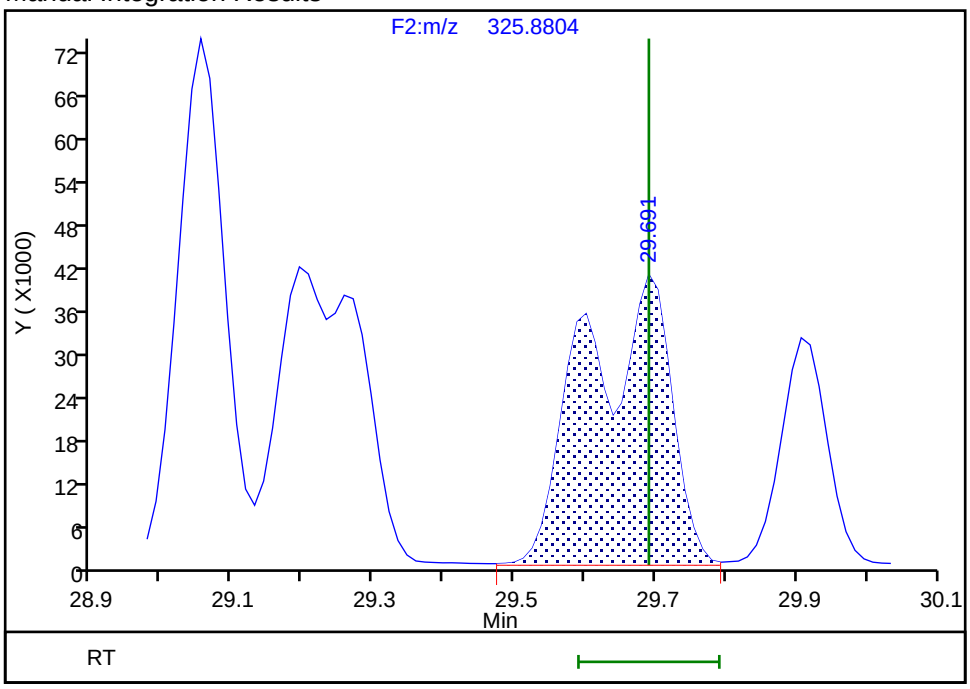
Processing Integration Results

RT: 29.69
Area: 503108
Amount: 147.7887
Amount Units: pg/ul




Manual Integration Results

RT: 29.69
Area: 340756
Amount: 99.9917
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:37:36

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

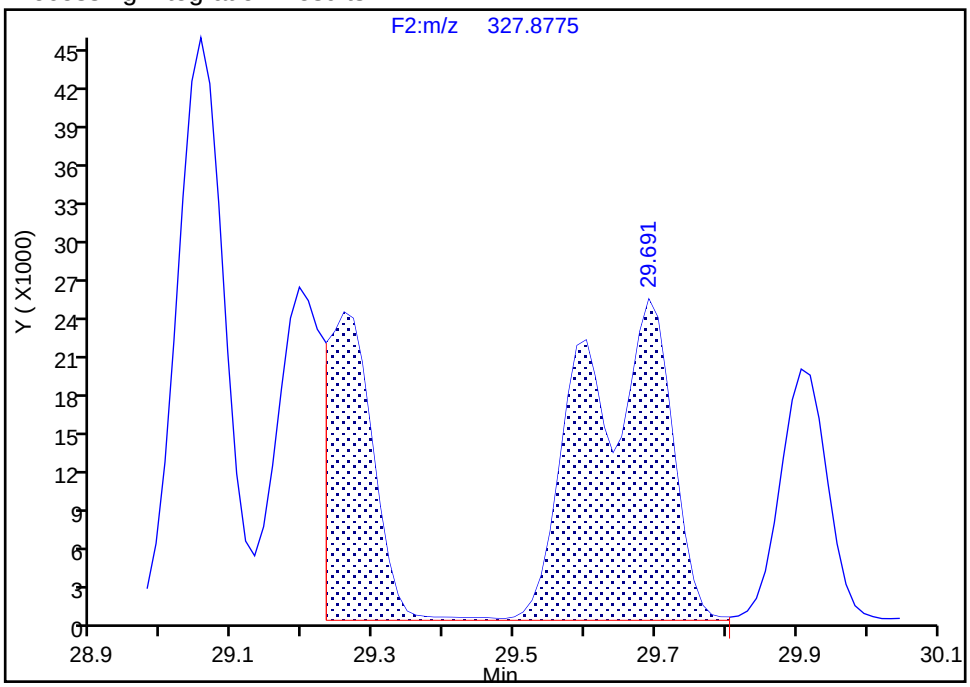
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 2

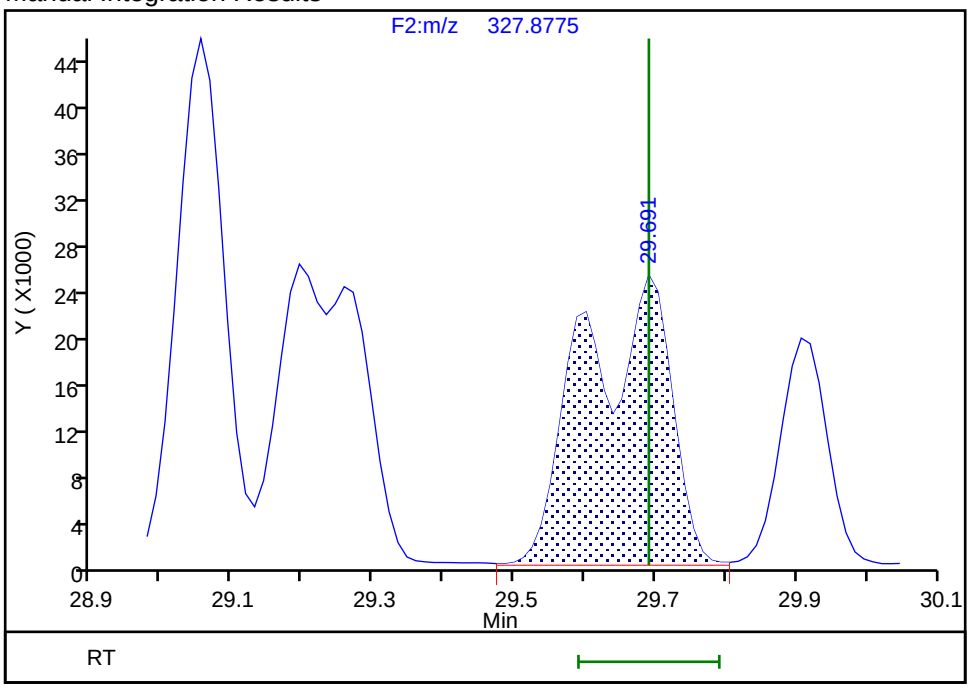
Processing Integration Results

RT: 29.69
Area: 313708
Amount: 147.7887
Amount Units: pg/ul




Manual Integration Results

RT: 29.69
Area: 211890
Amount: 99.9917
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:37:41
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

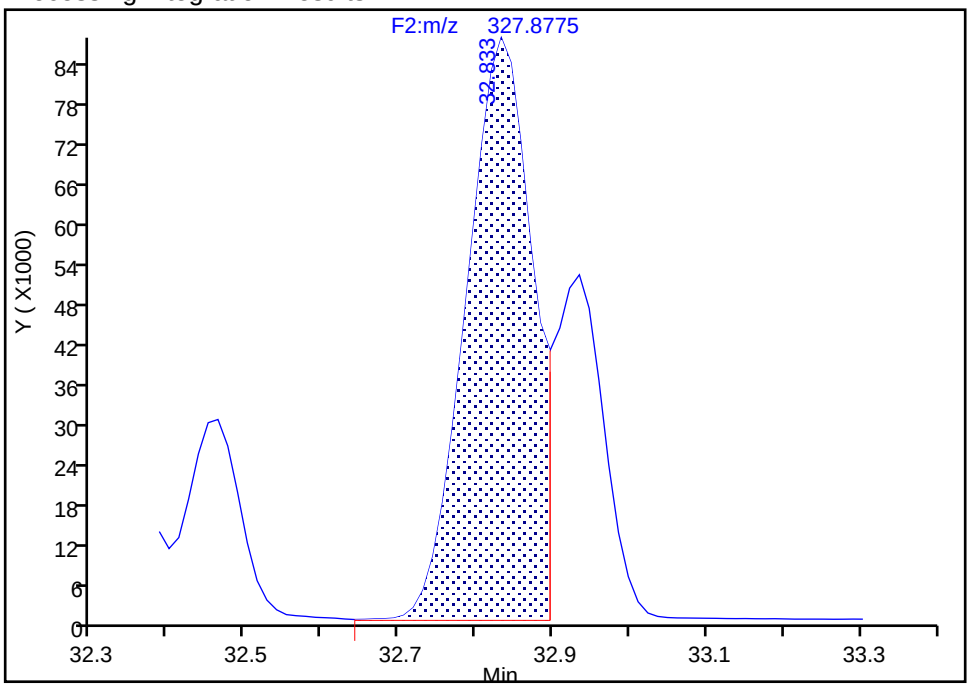
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

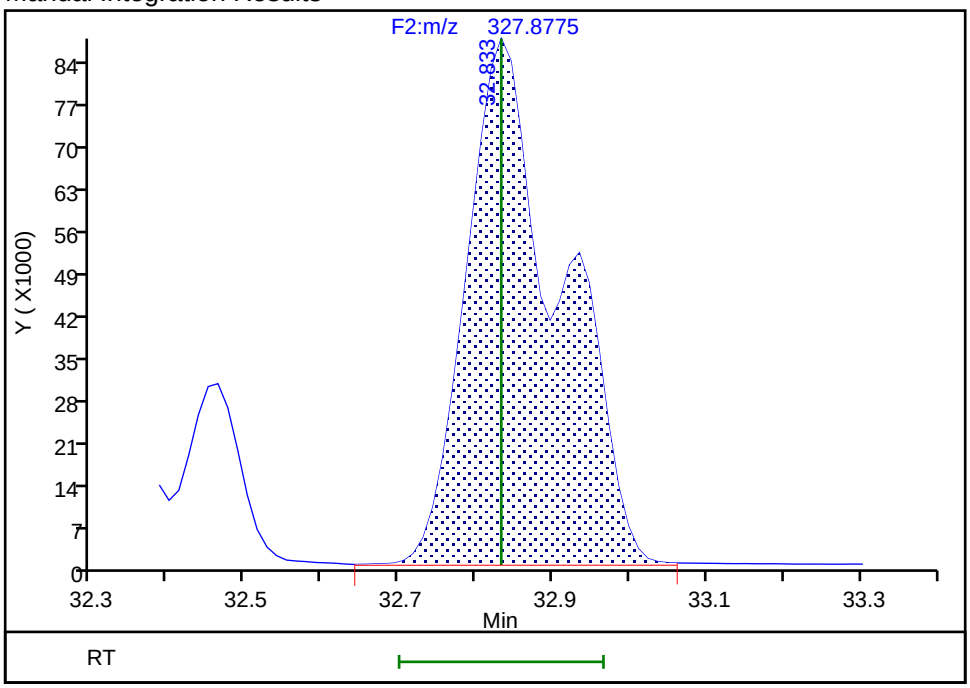
Processing Integration Results

RT: 32.83
Area: 521485
Amount: 205.6629
Amount Units: pg/ul




Manual Integration Results

RT: 32.83
Area: 748577
Amount: 296.1120
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:38:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

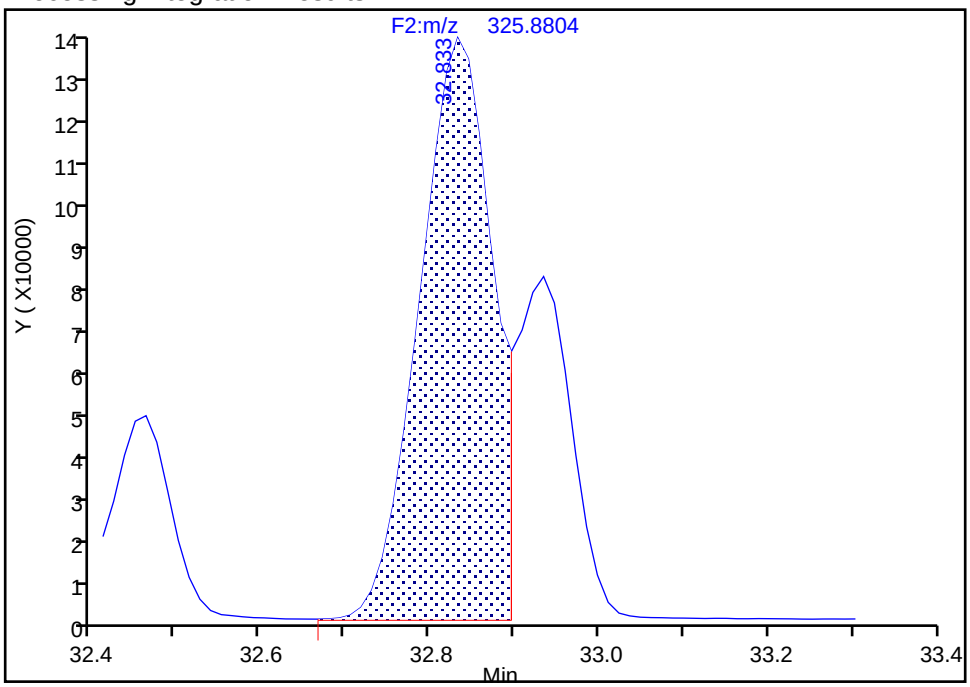
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

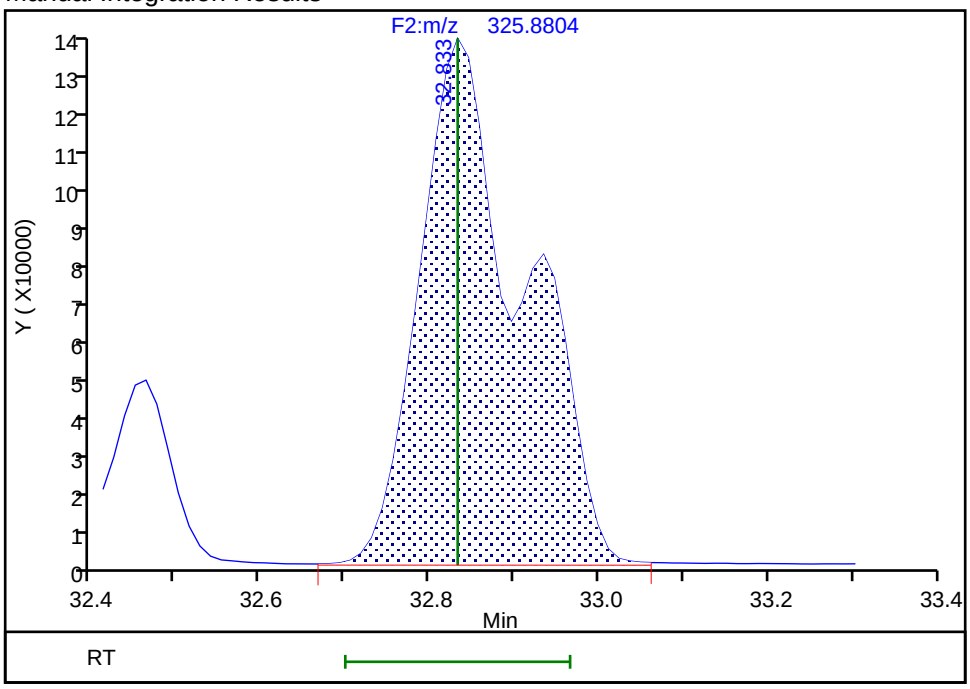
Processing Integration Results

RT: 32.83
Area: 830661
Amount: 205.6629
Amount Units: pg/ul




Manual Integration Results

RT: 32.83
Area: 1198233
Amount: 296.1120
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:38:54

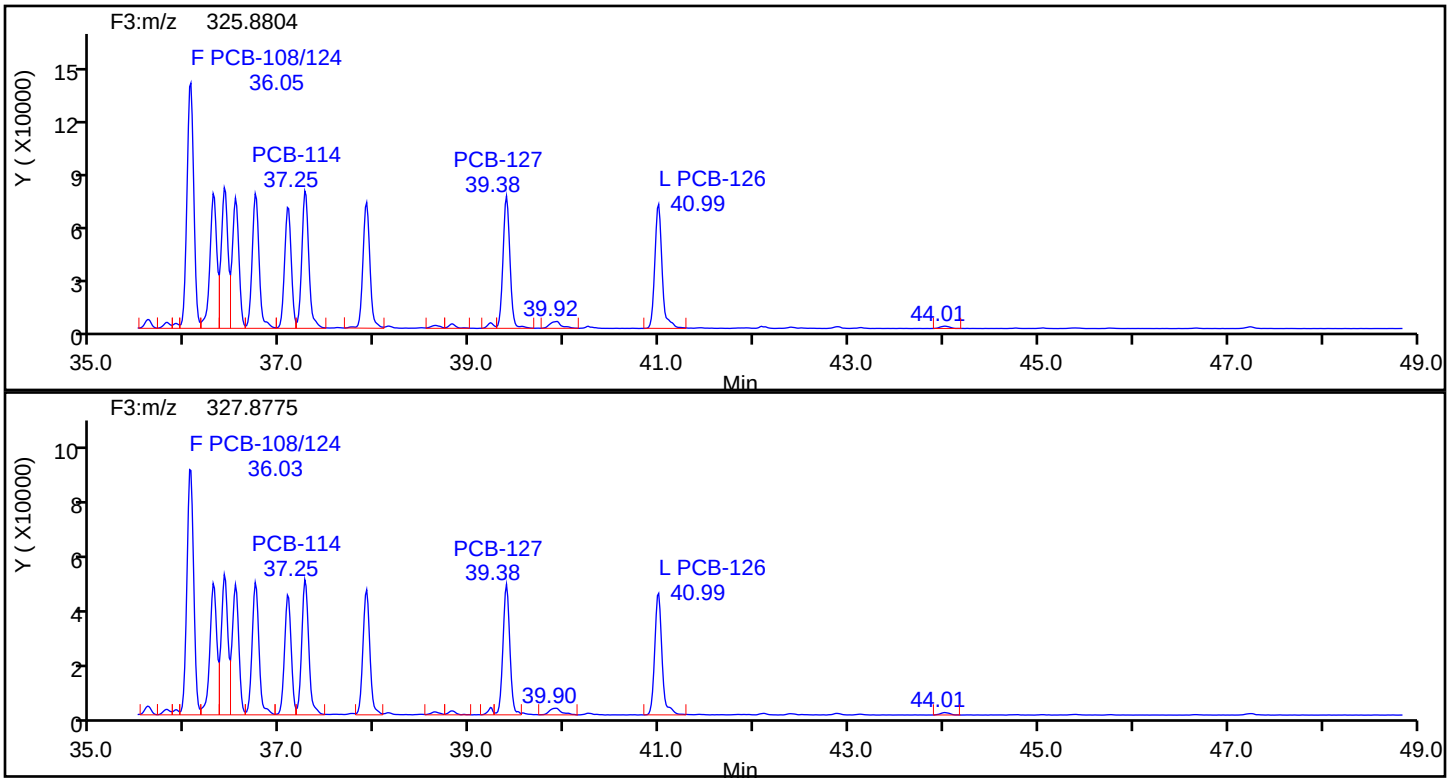
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 25-Sep-2019 23:53:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

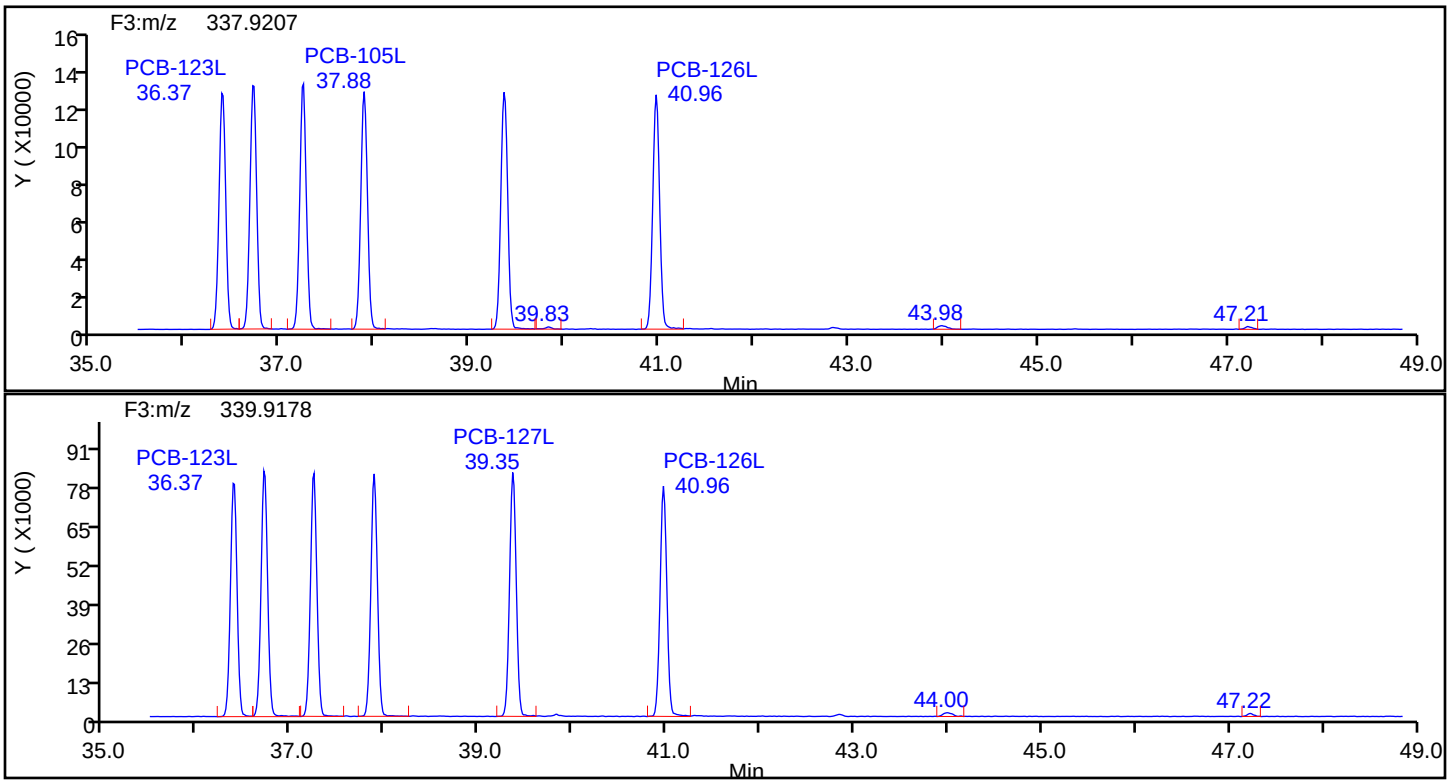
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



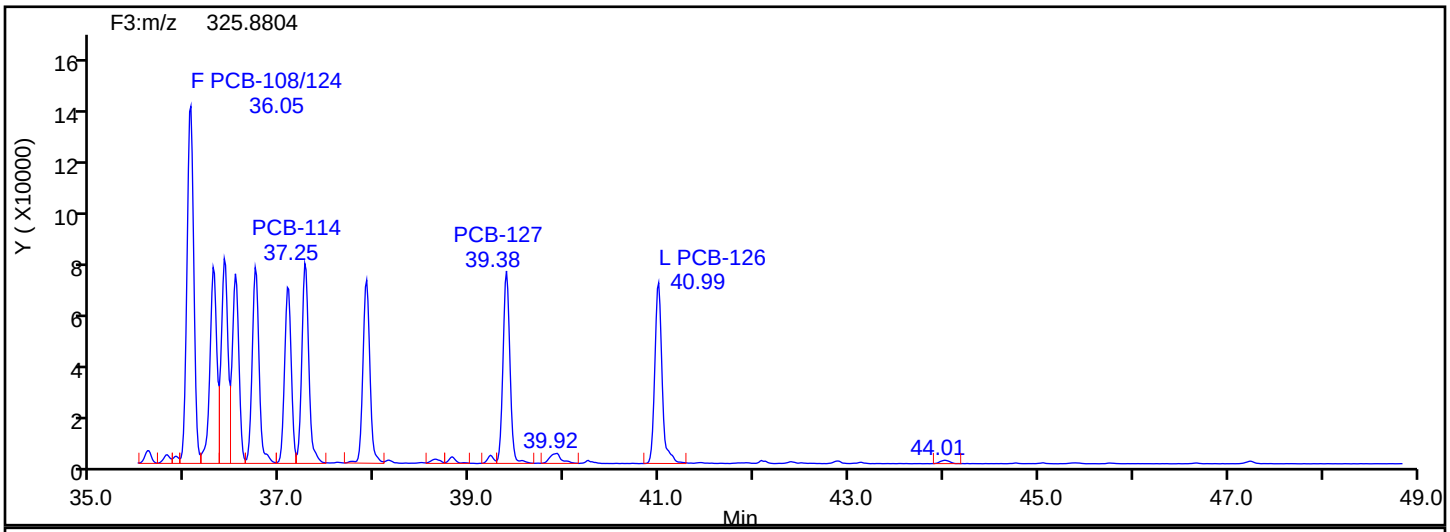

PePCB F3 Standards

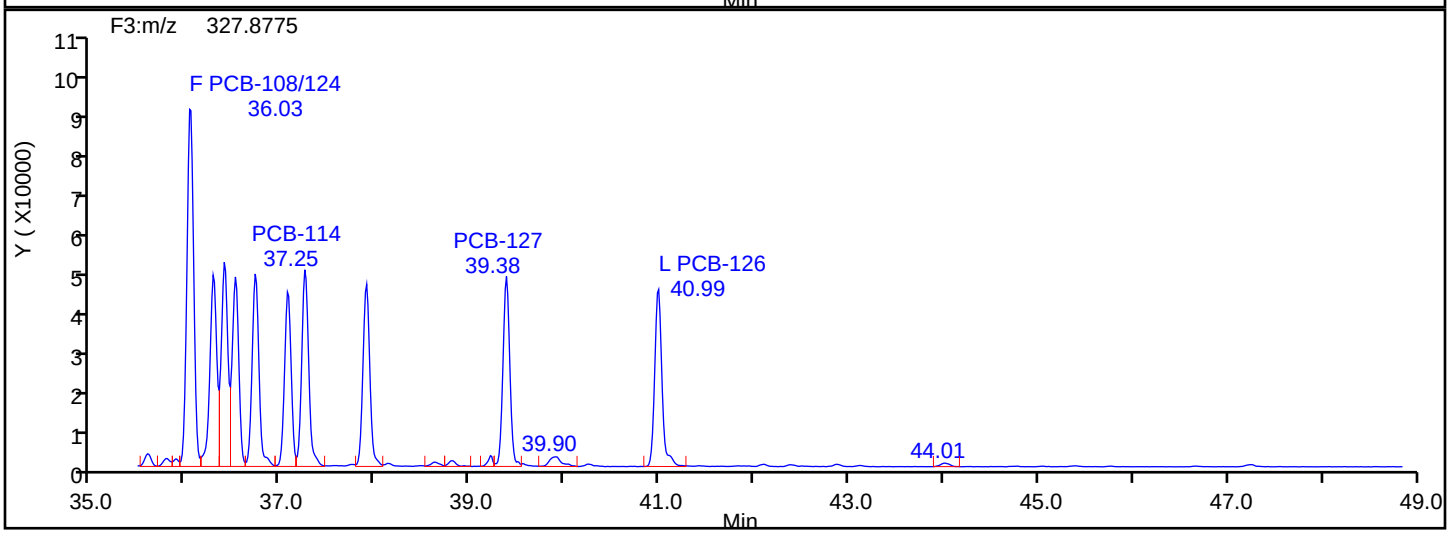


Eurofins TestAmerica, Knoxville

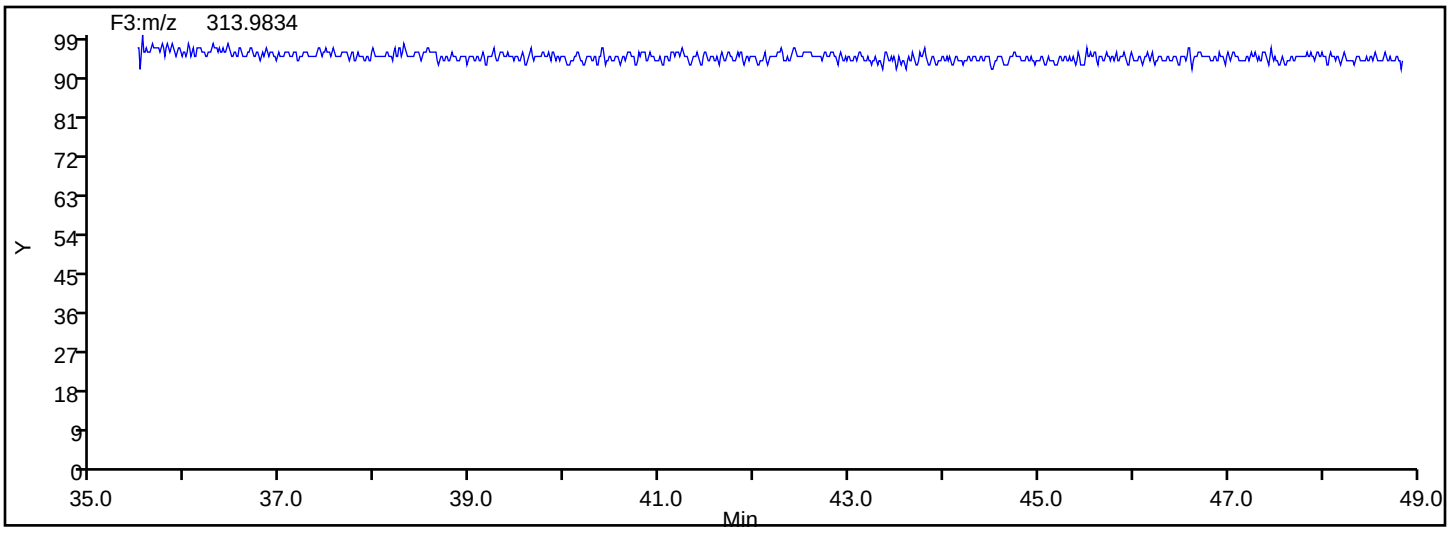
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



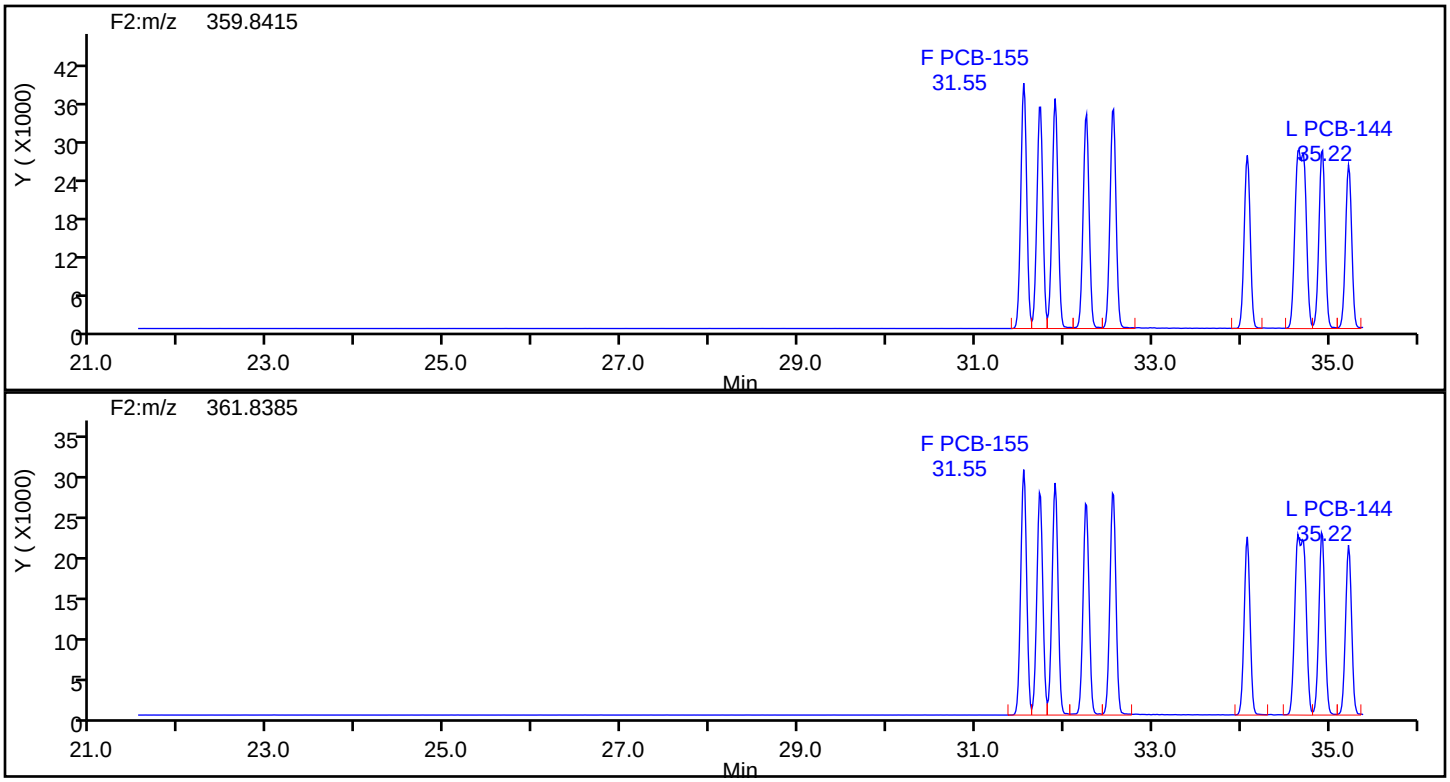

PePCB F3 Lock Mass



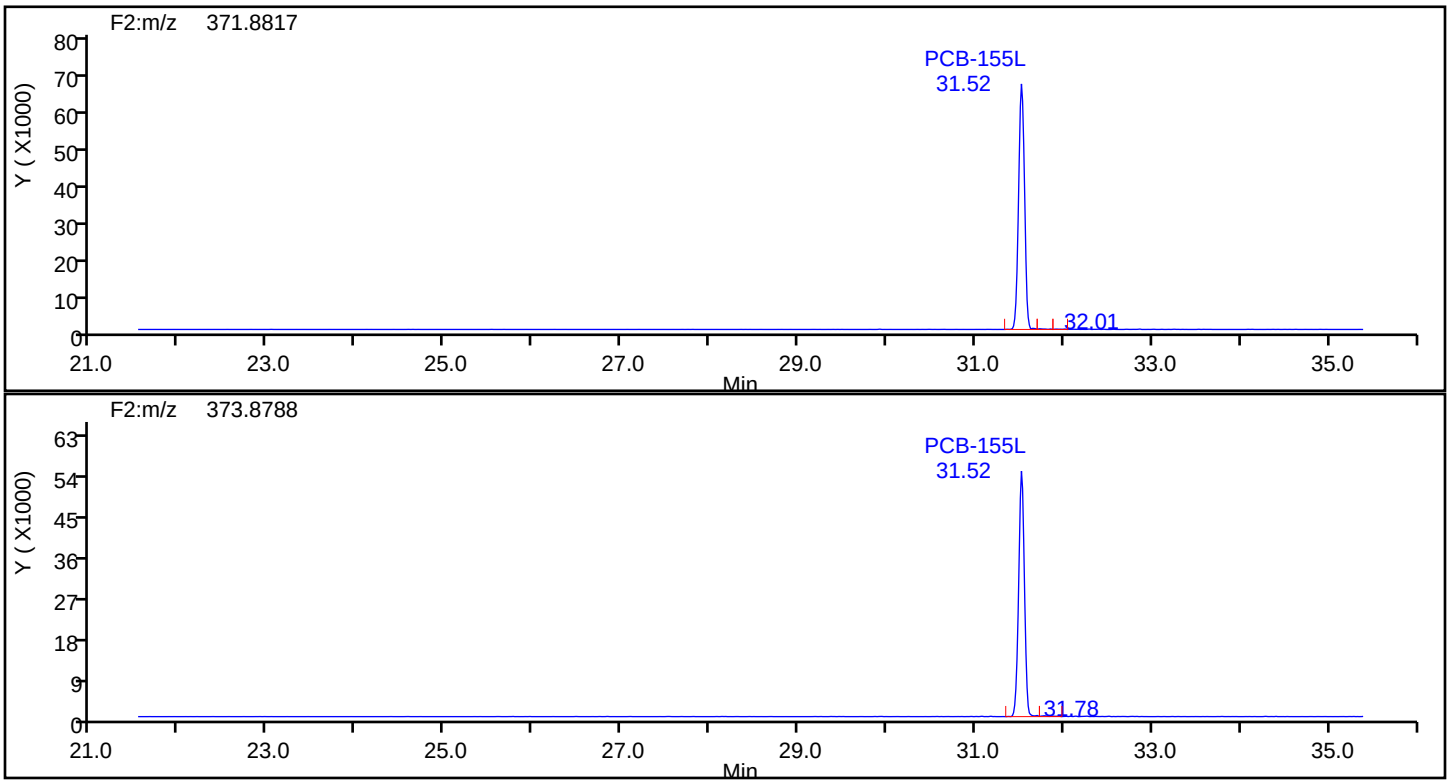
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



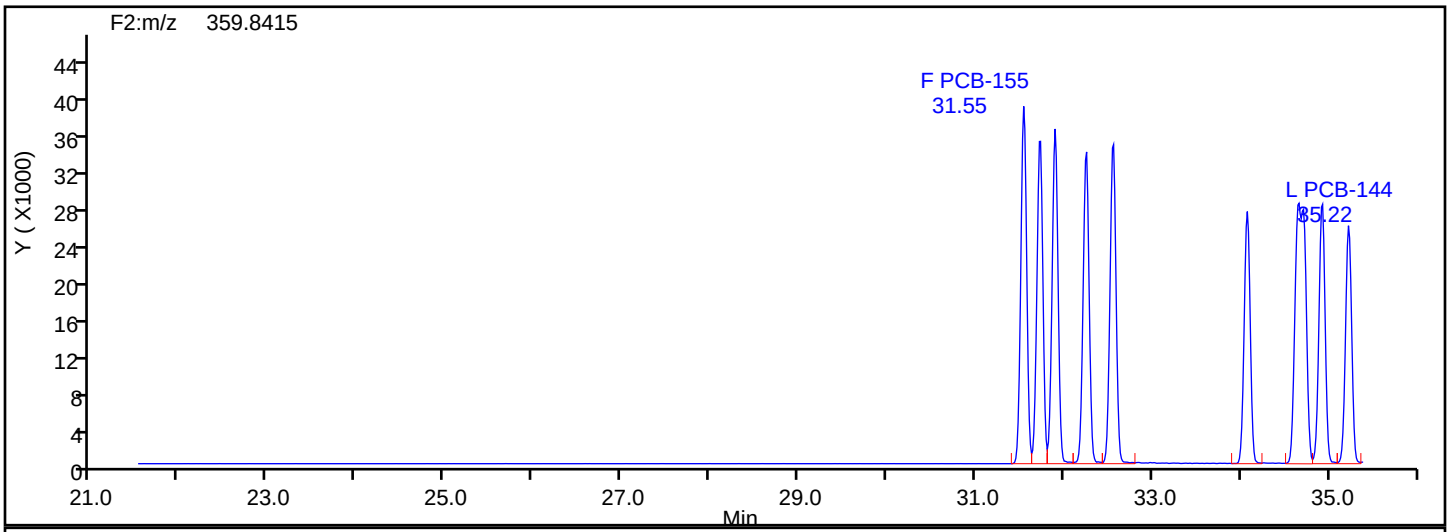

HxPCB F2 Standards

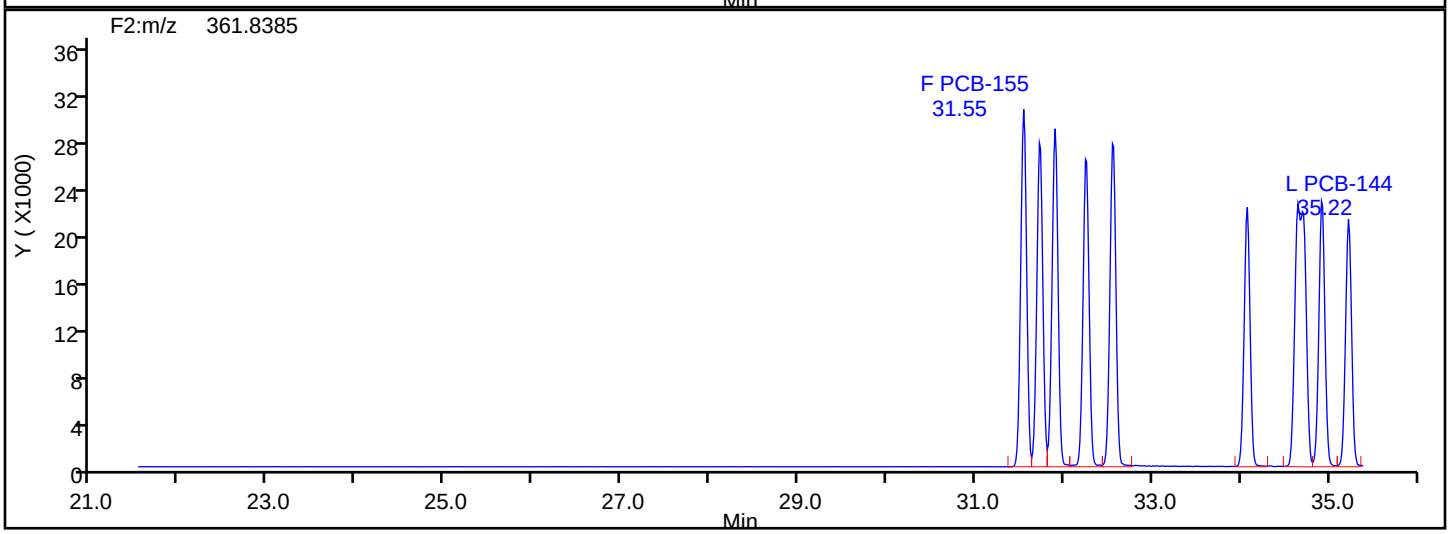


Eurofins TestAmerica, Knoxville

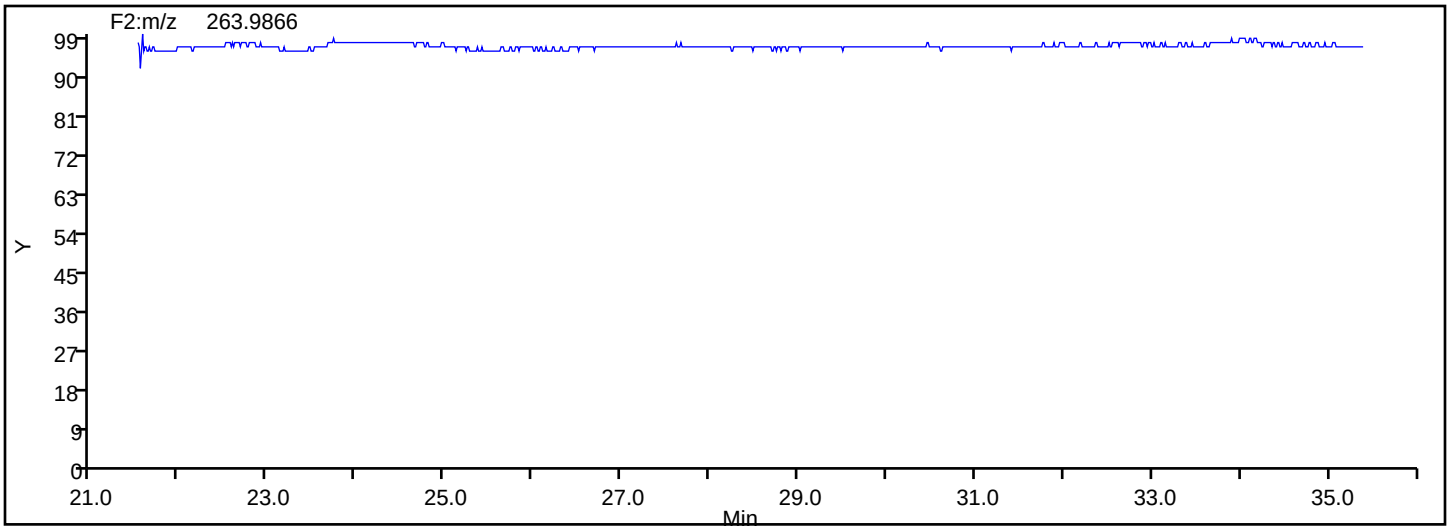
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

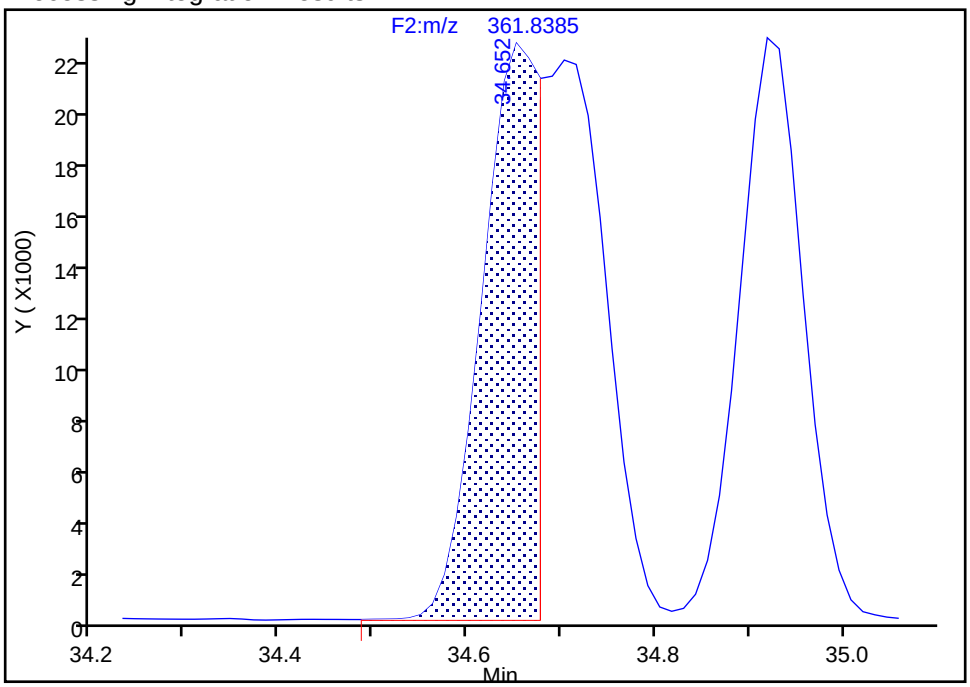
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 2

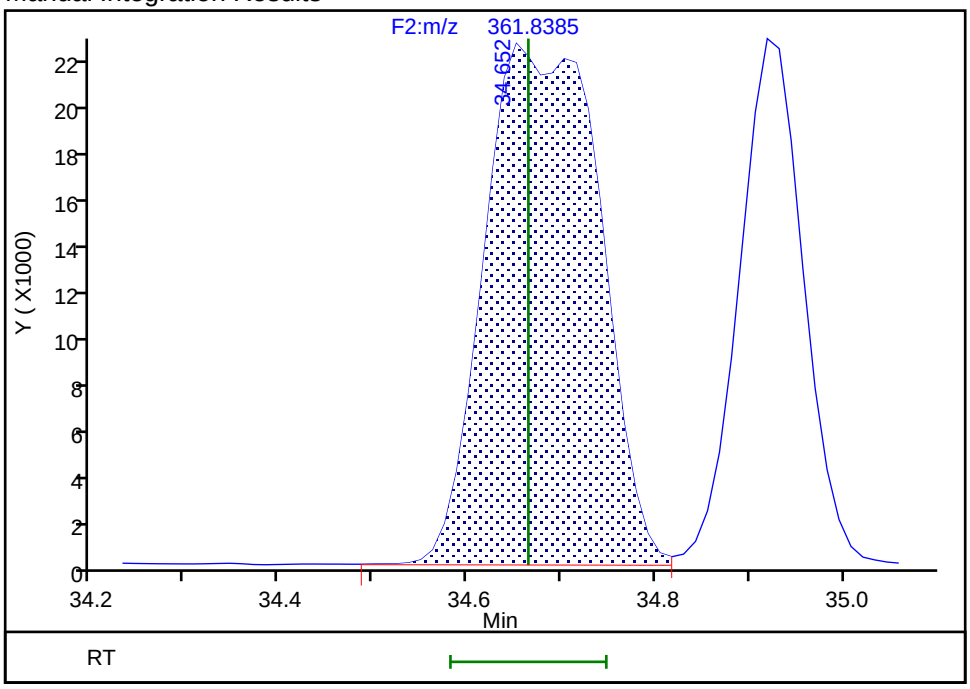
Processing Integration Results

RT: 34.65
Area: 91363
Amount: 46.461861
Amount Units: pg/ul




Manual Integration Results

RT: 34.65
Area: 192924
Amount: 90.054793
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:39:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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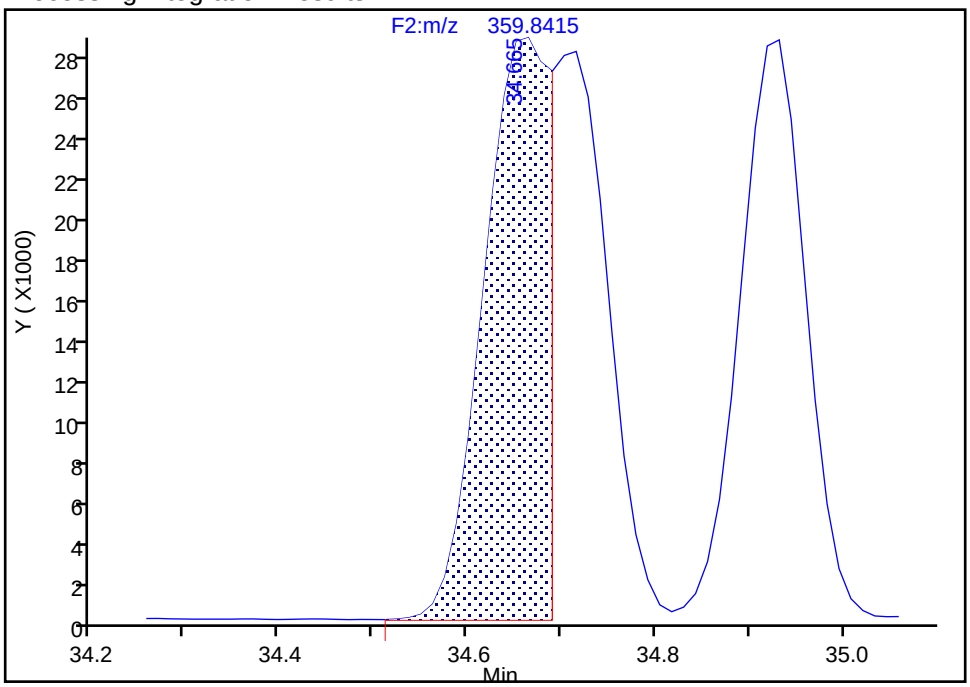
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

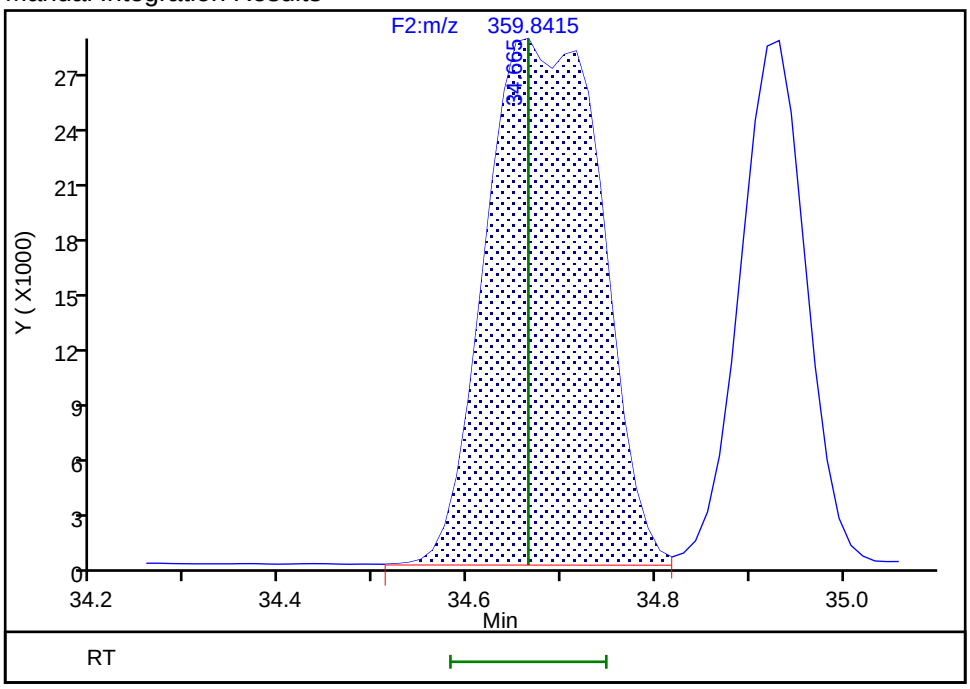
Processing Integration Results

RT: 34.66
Area: 134215
Amount: 46.461861
Amount Units: pg/ul




Manual Integration Results

RT: 34.66
Area: 244303
Amount: 90.054793
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:39:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 25-Sep-2019 23:53:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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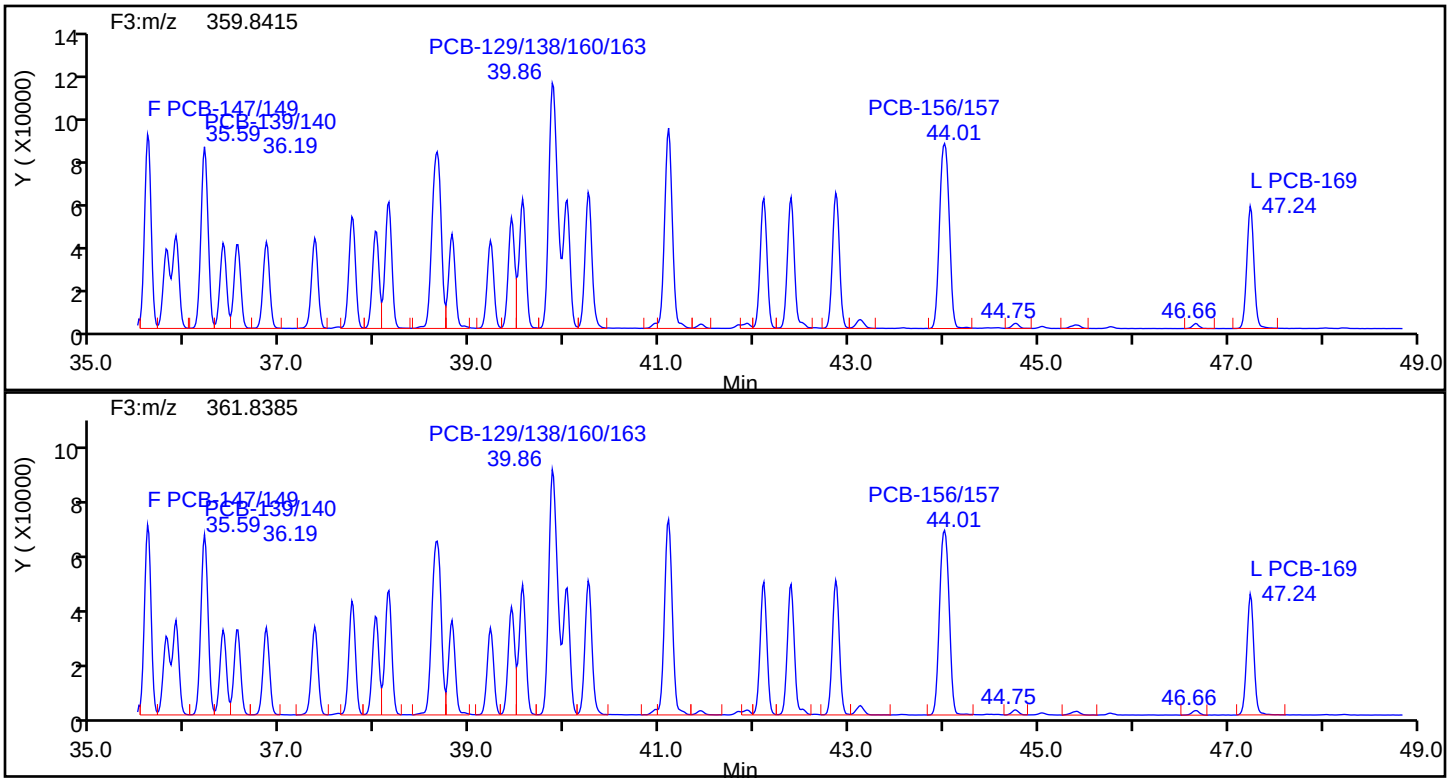
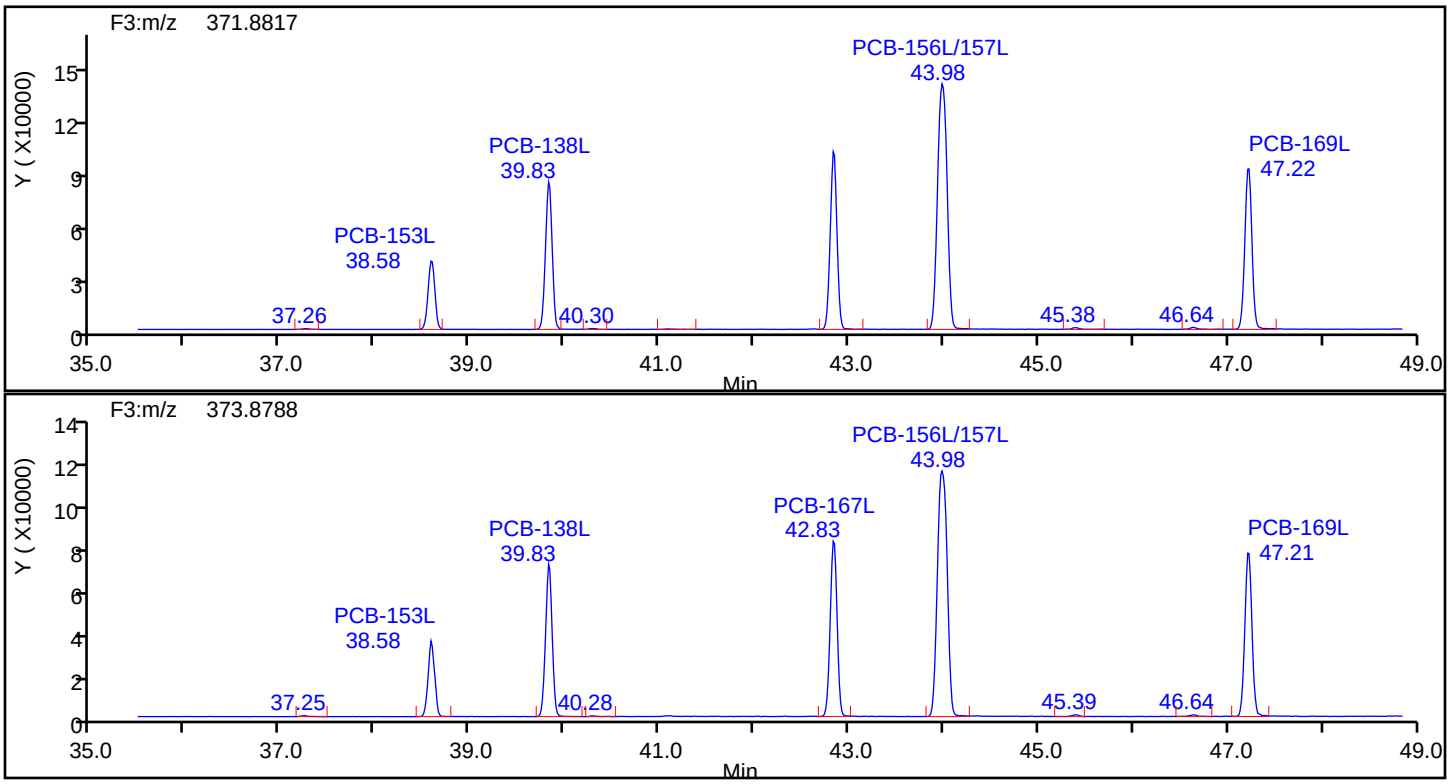
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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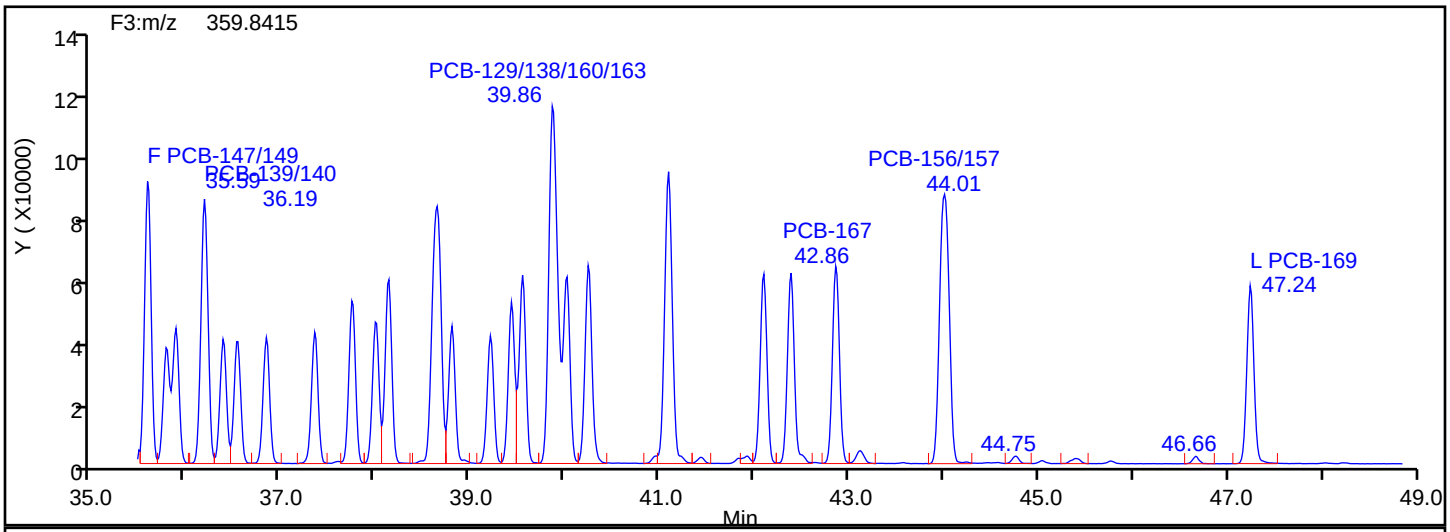
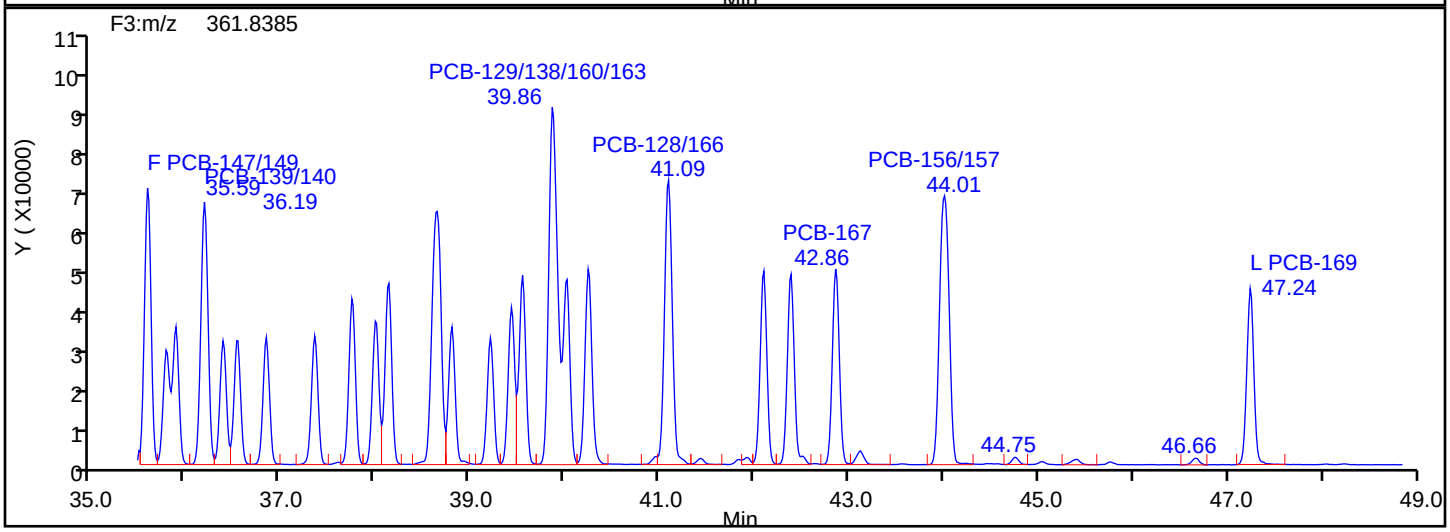
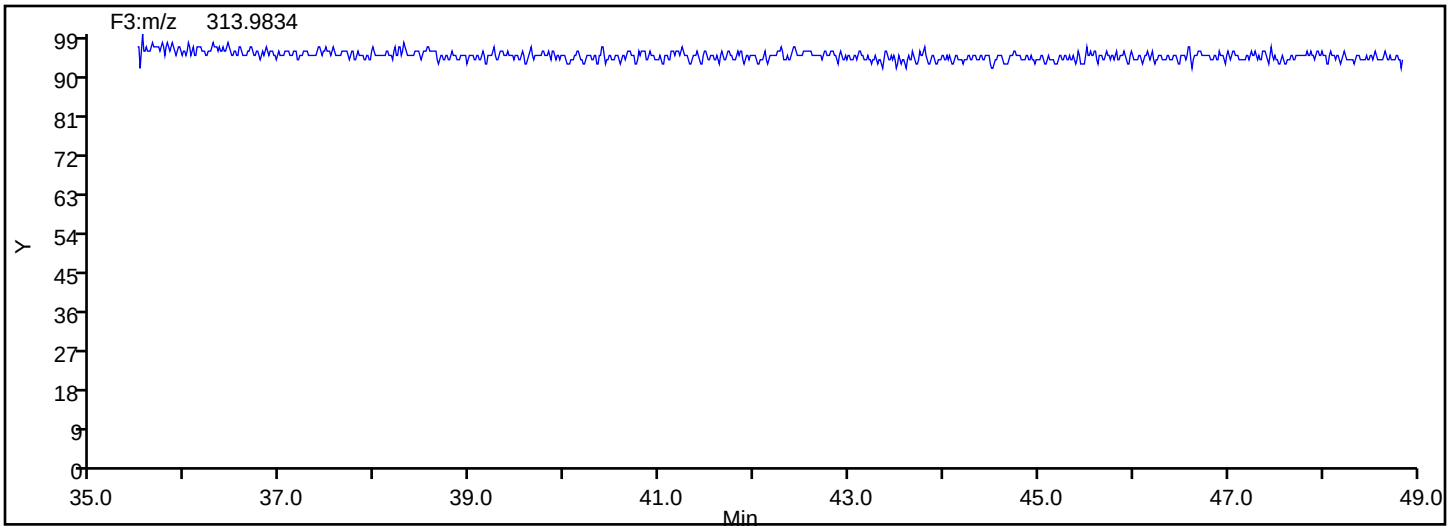
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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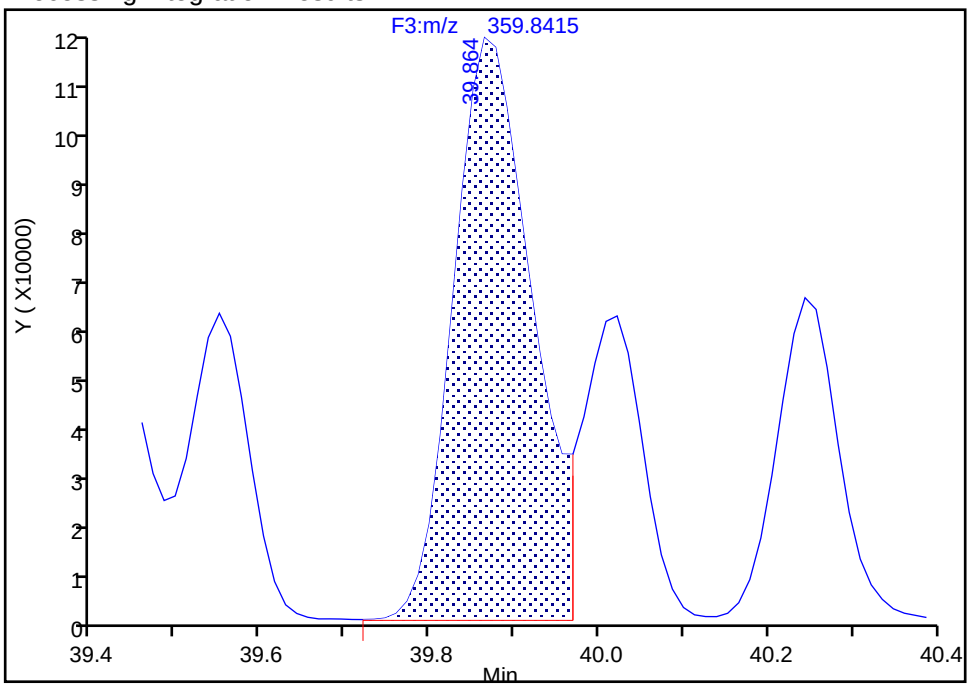
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

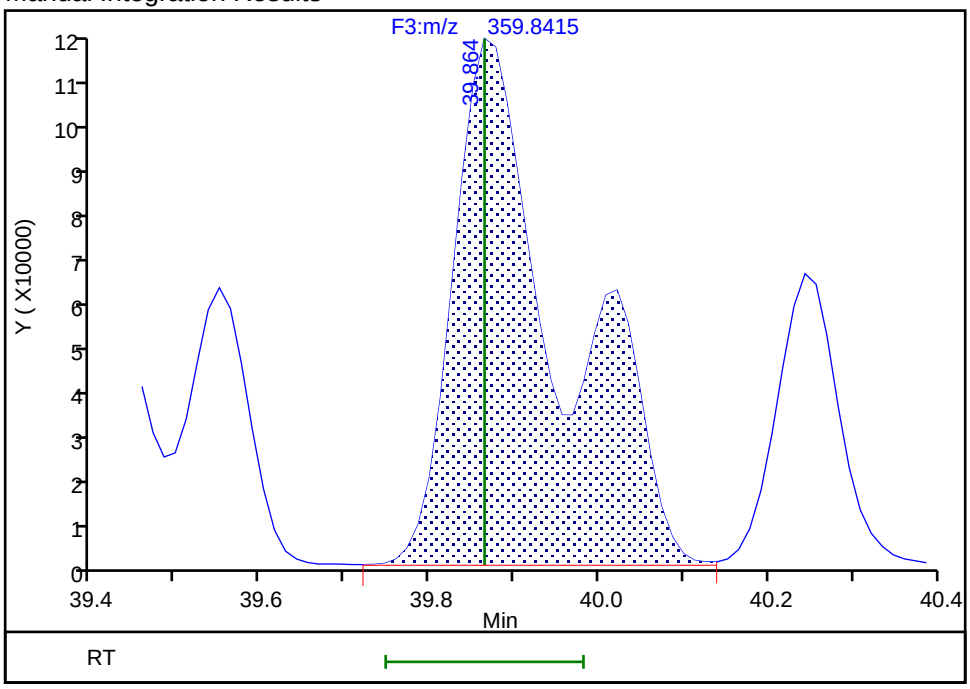
Processing Integration Results

RT: 39.86
Area: 727451
Amount: 133.3857
Amount Units: pg/ul




Manual Integration Results

RT: 39.86
Area: 1008972
Amount: 187.7713
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:40:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

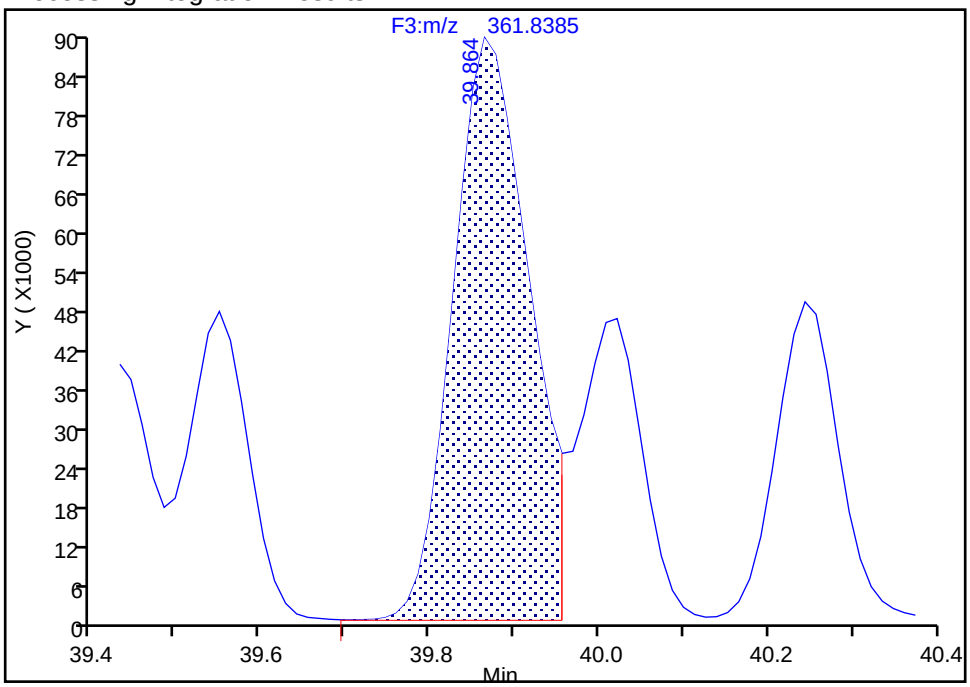
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

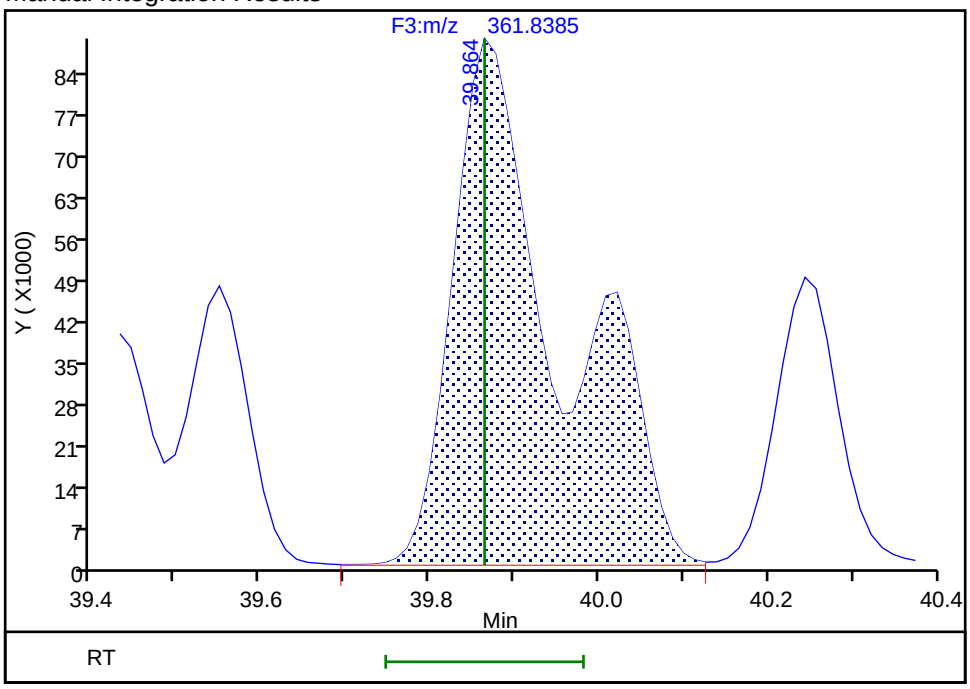
Processing Integration Results

RT: 39.86
Area: 556067
Amount: 133.3857
Amount Units: pg/ul




Manual Integration Results

RT: 39.86
Area: 797877
Amount: 187.7713
Amount Units: pg/ul



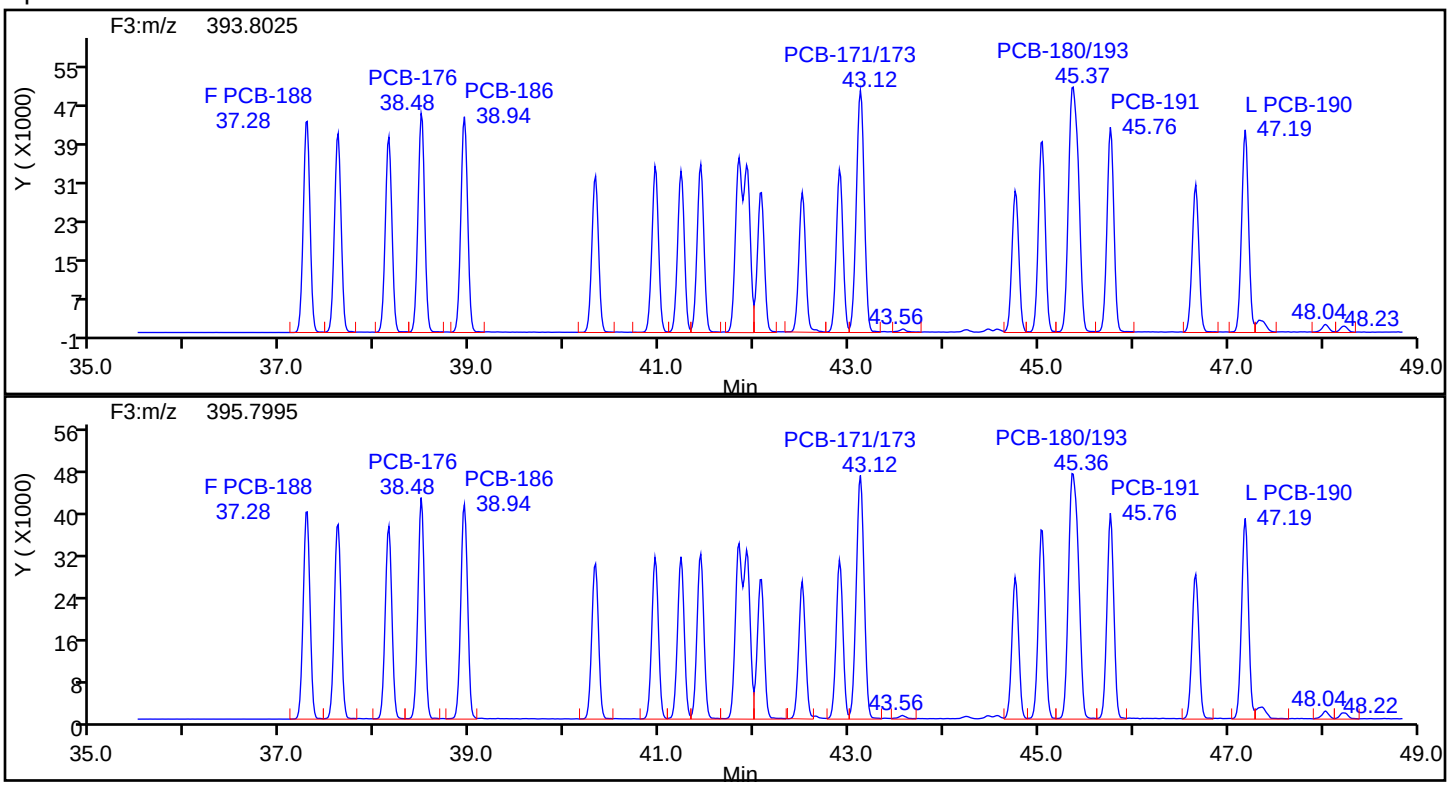

Reviewer: parslyt, 25-Sep-2019 23:40:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 25-Sep-2019 23:53:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

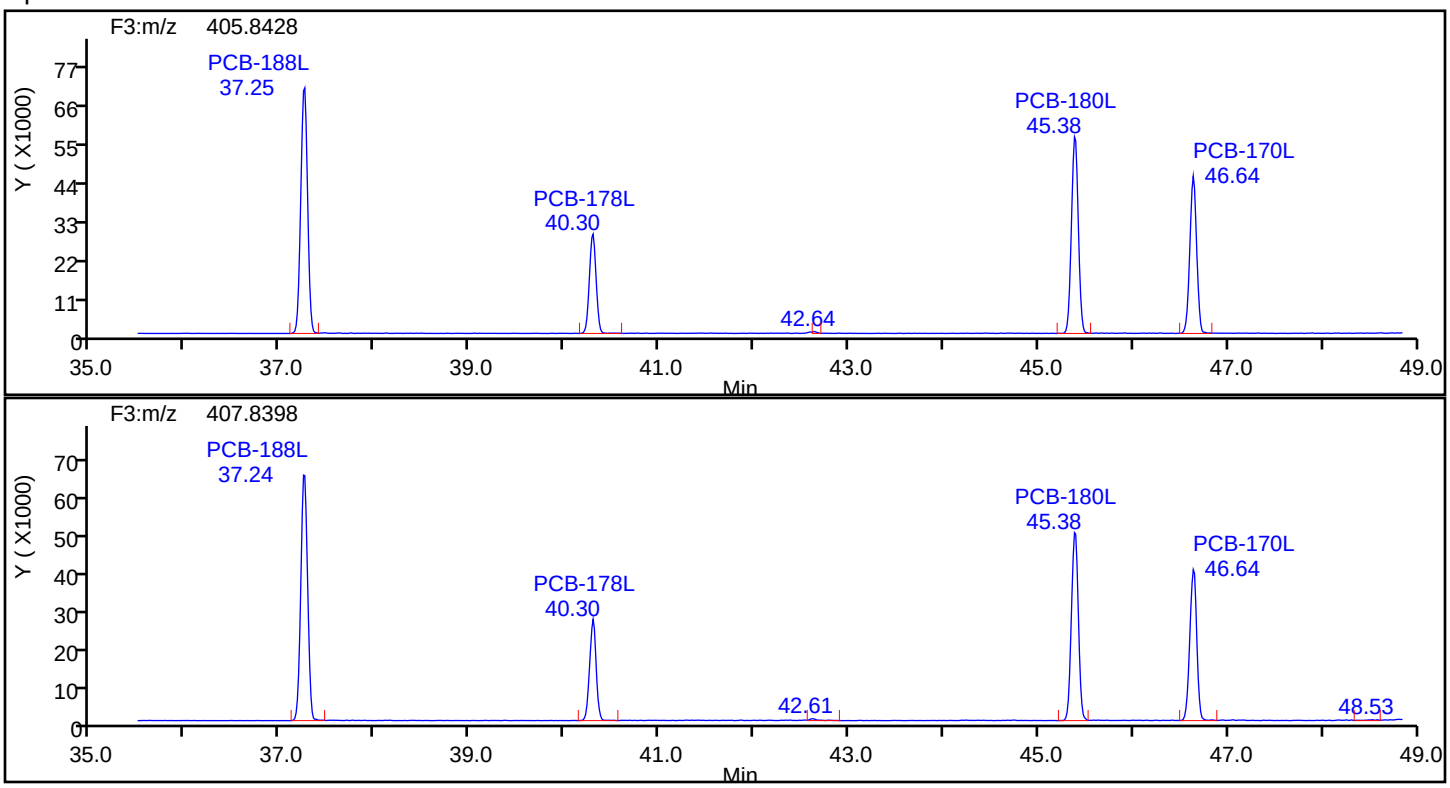
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



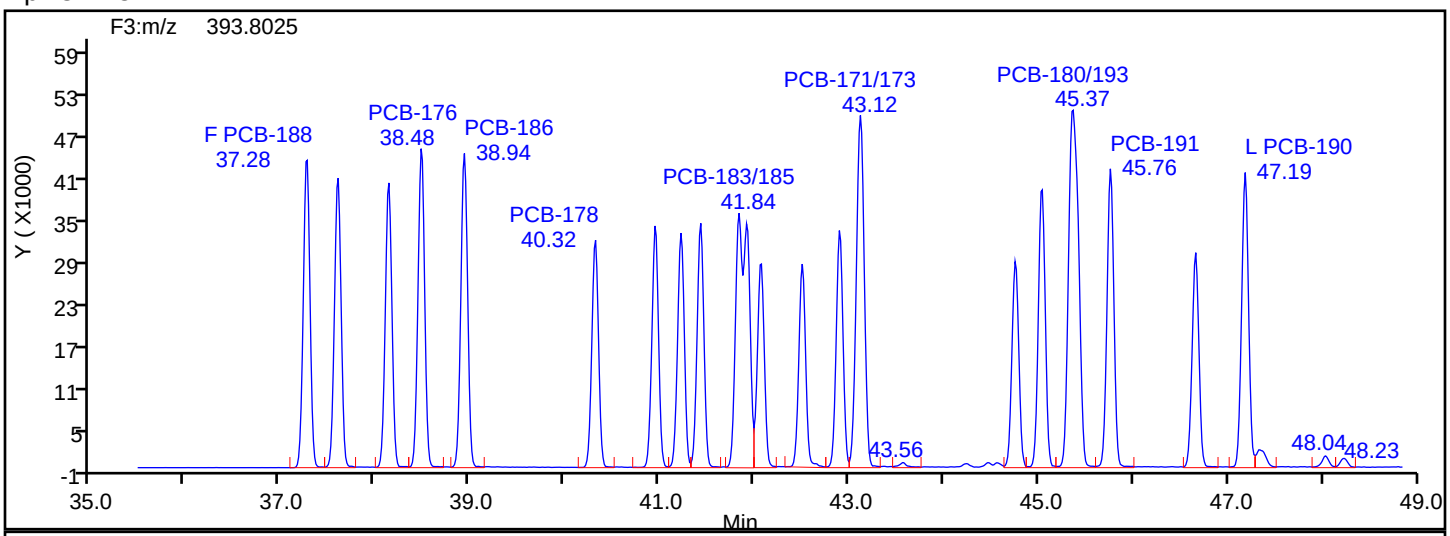

HpPCB F3 Standards

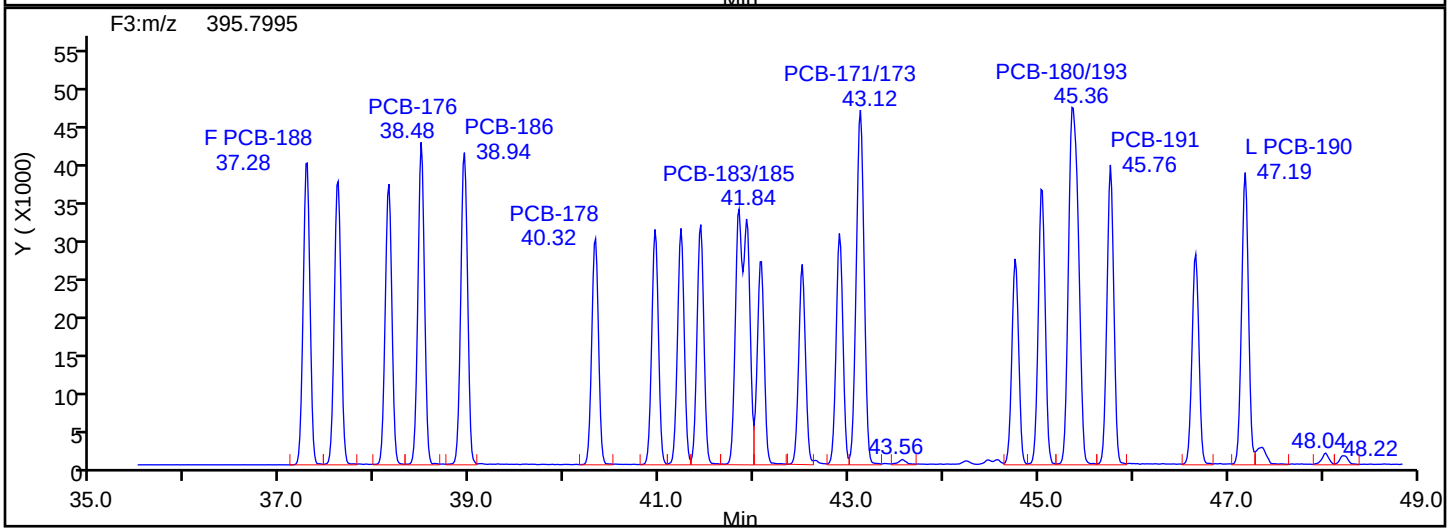


Eurofins TestAmerica, Knoxville

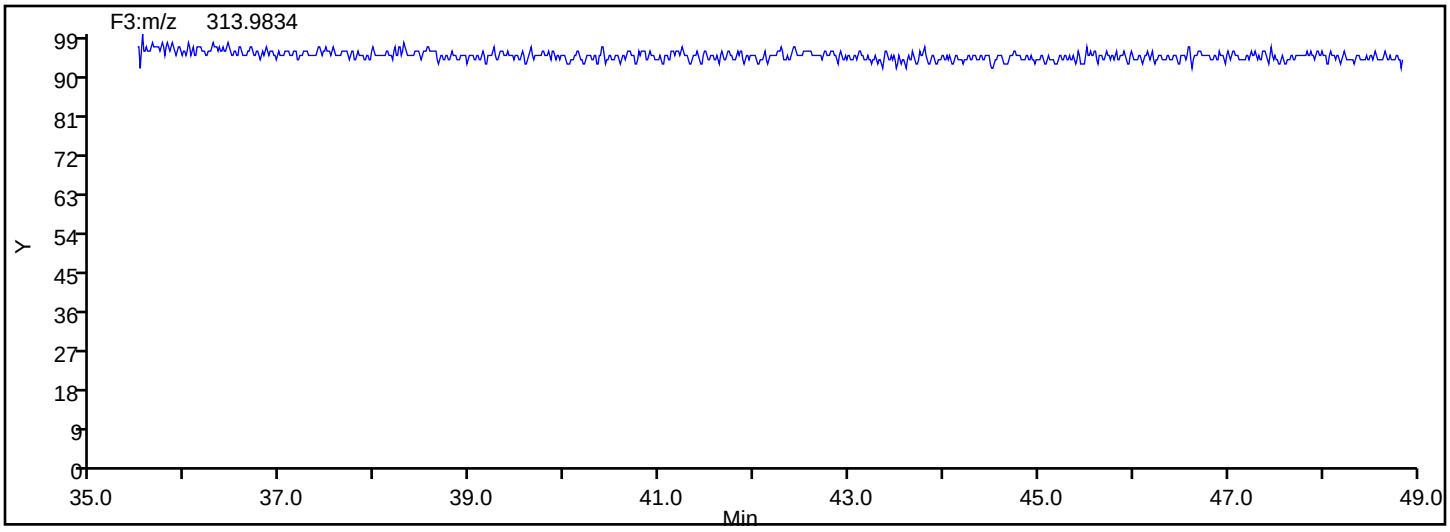
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

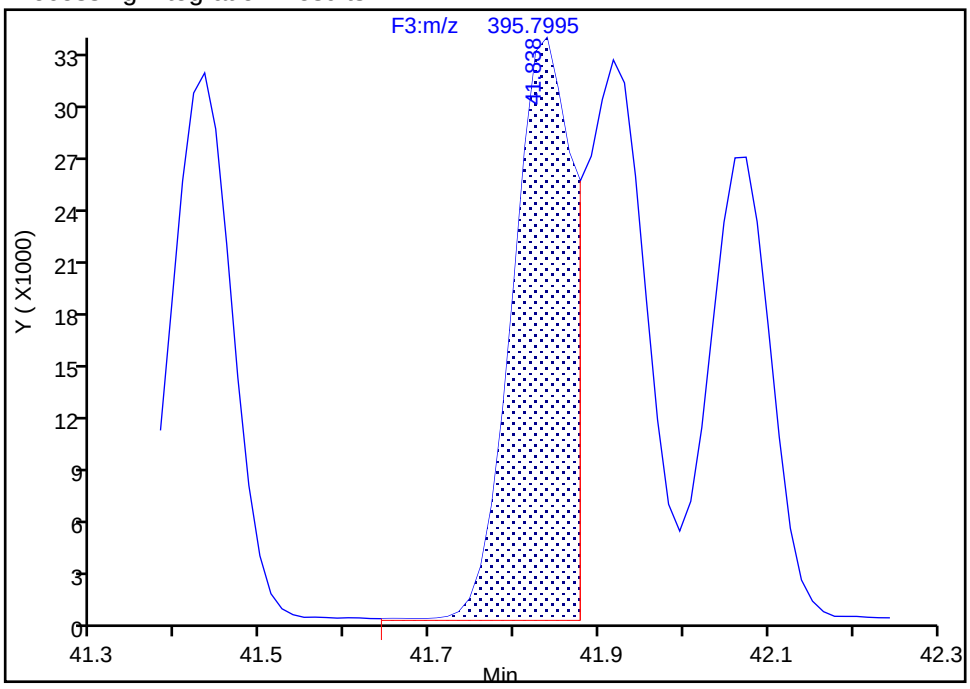
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

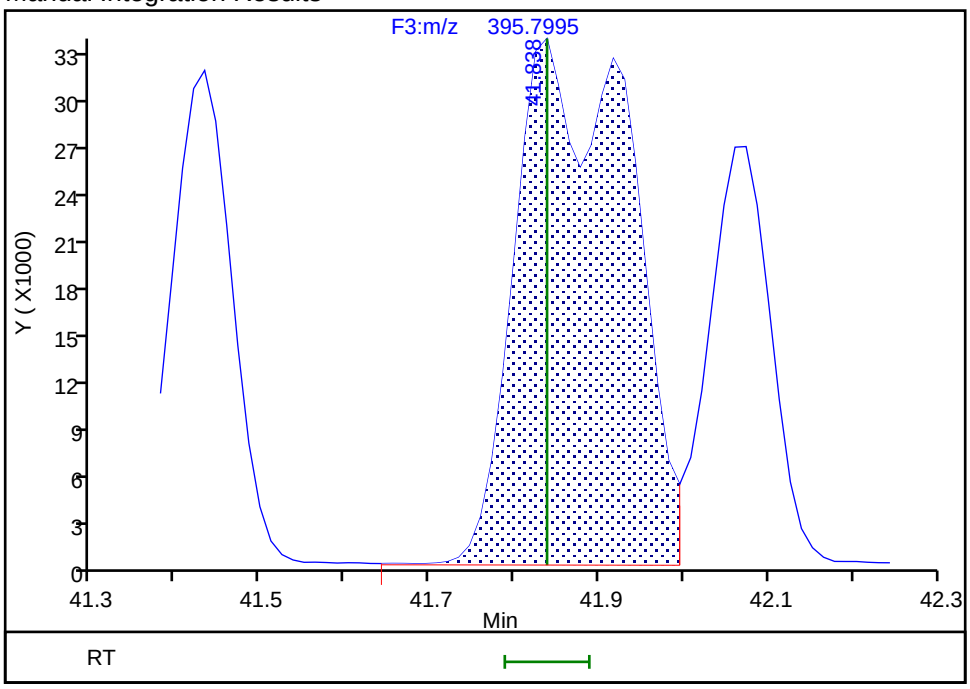
Processing Integration Results

RT: 41.84
Area: 164062
Amount: 53.171281
Amount Units: pg/ul




Manual Integration Results

RT: 41.84
Area: 319943
Amount: 104.2522
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:40:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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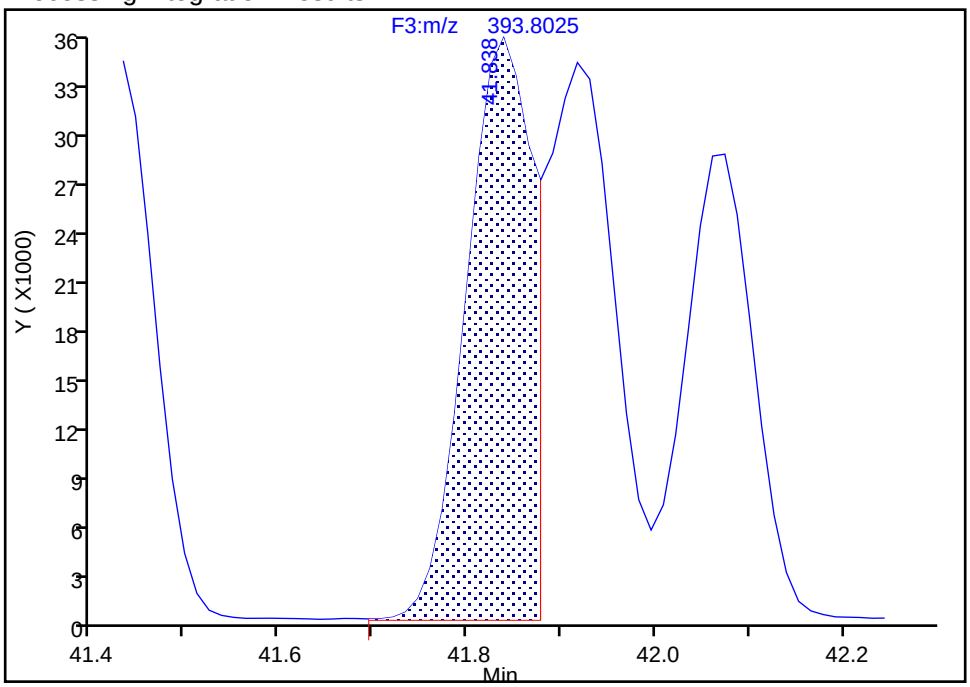
| Injection Date: | 25-Sep-2019 22:28:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

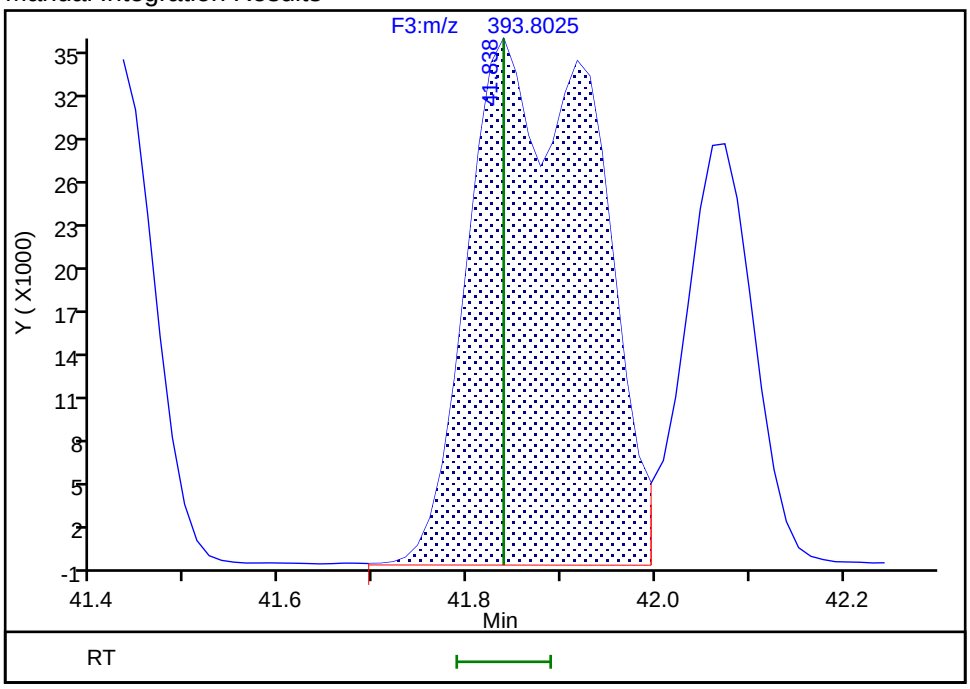
Processing Integration Results

RT: 41.84
Area: 172609
Amount: 53.171281
Amount Units: pg/ul




Manual Integration Results

RT: 41.84
Area: 340163
Amount: 104.2522
Amount Units: pg/ul




Reviewer: parslyt, 25-Sep-2019 23:40:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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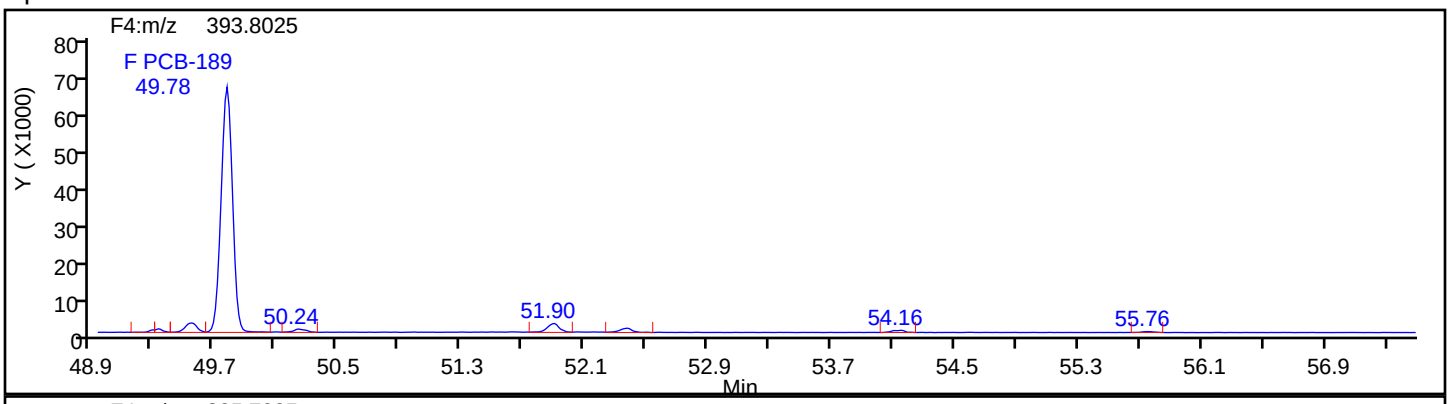
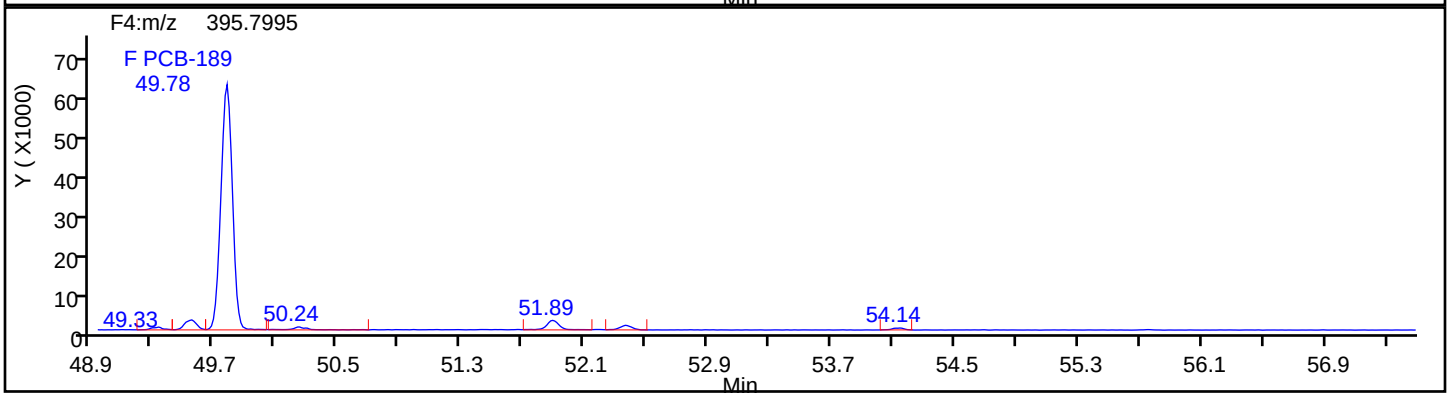
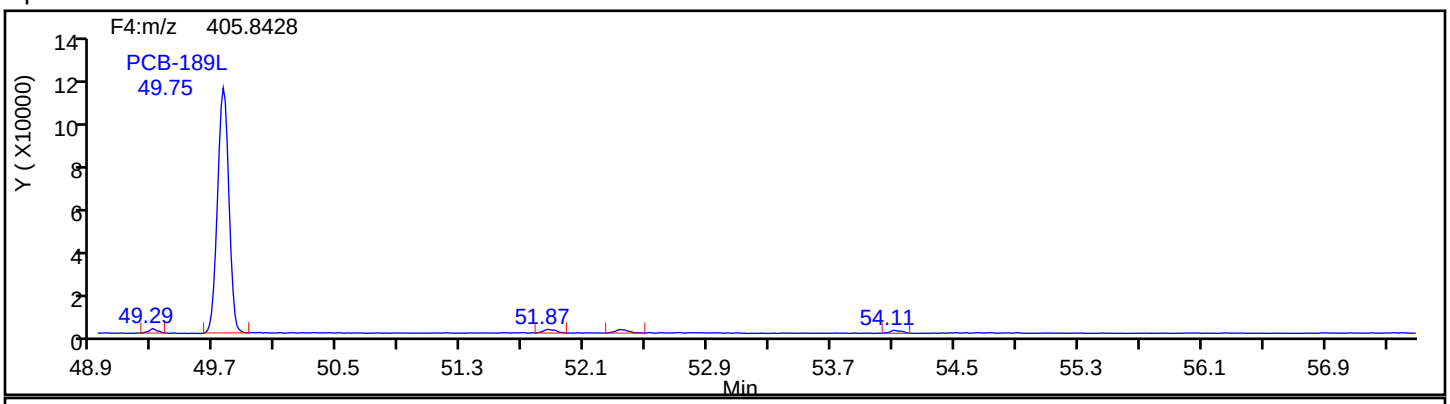
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

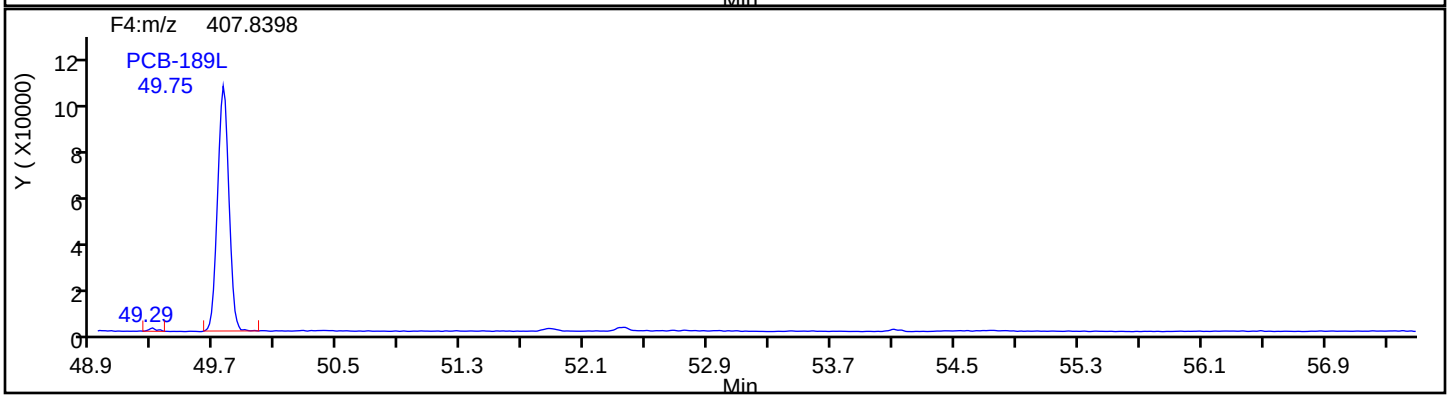
HpPCB F4




HpPCB F4 Standards



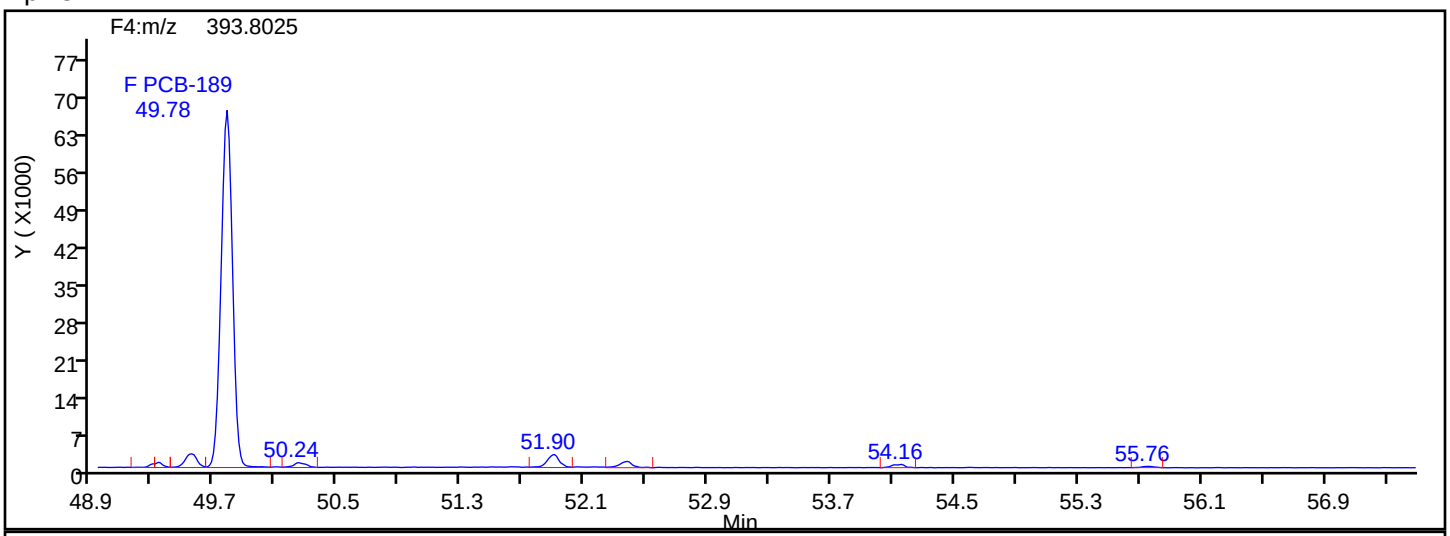



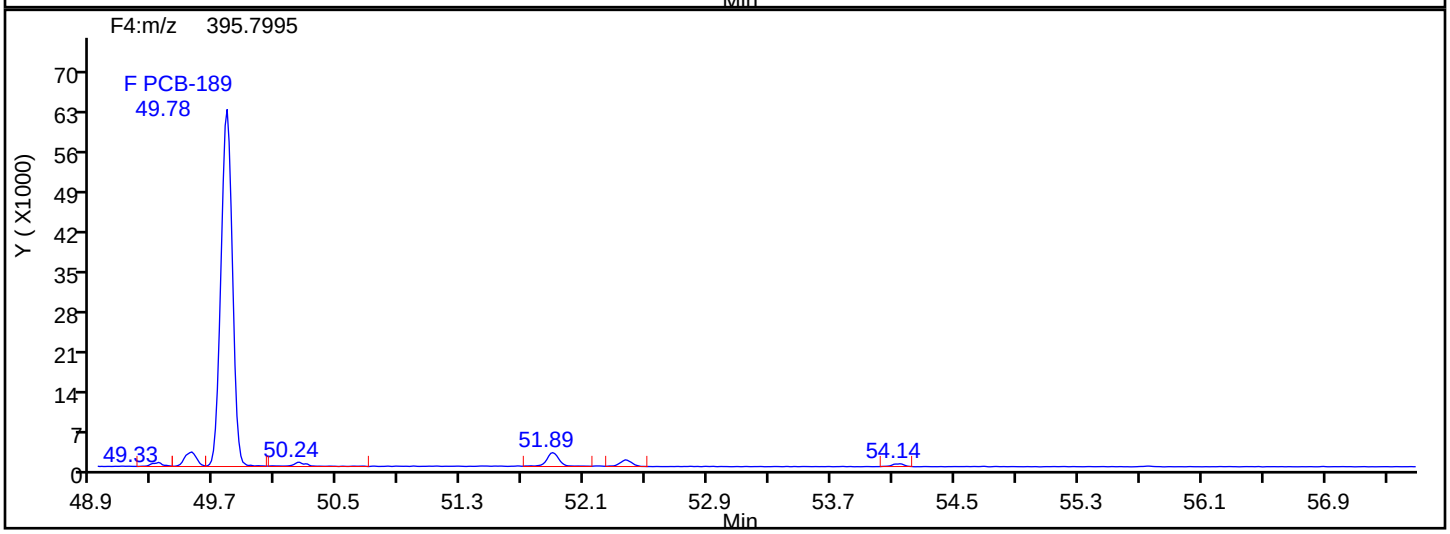
Report Date: 25-Sep-2019 23:53:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

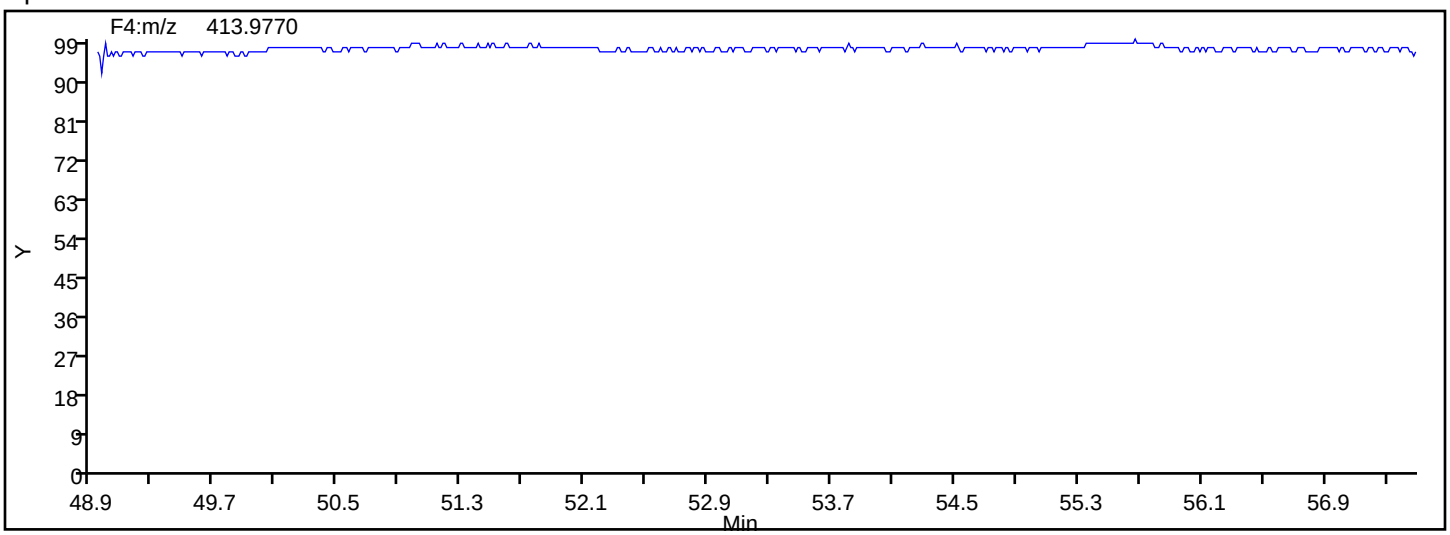
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Report Date: 25-Sep-2019 23:53:24 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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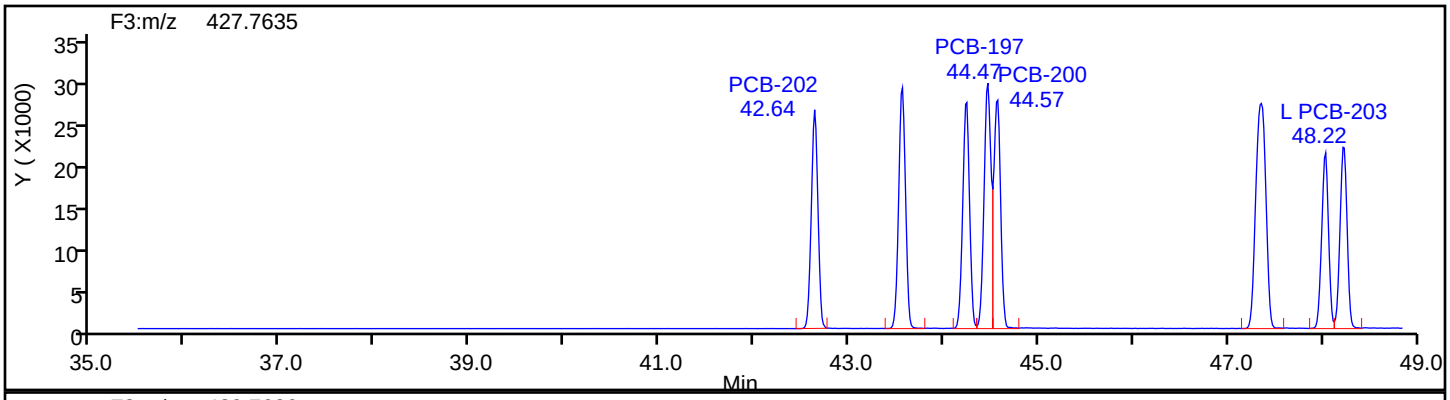
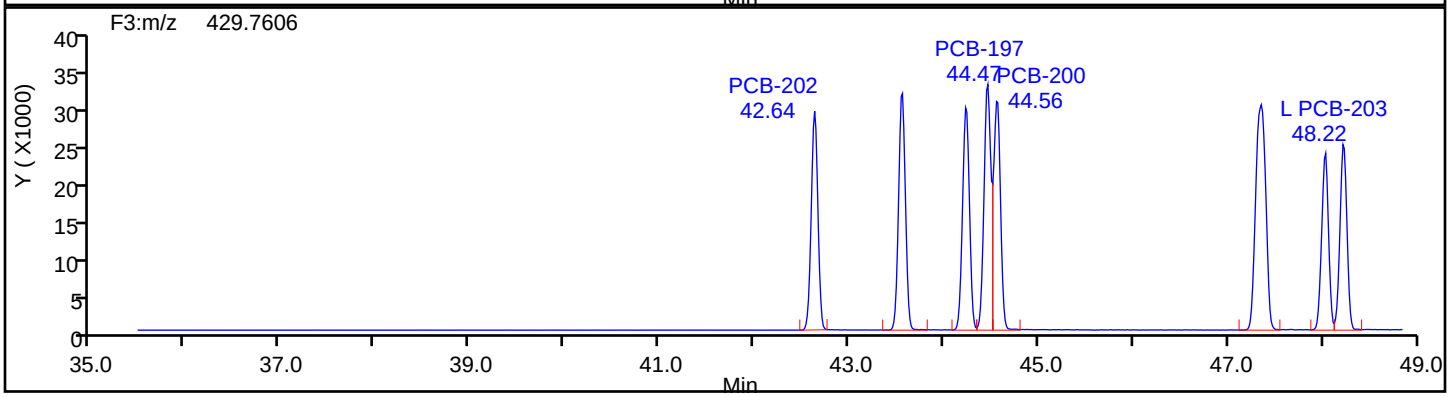
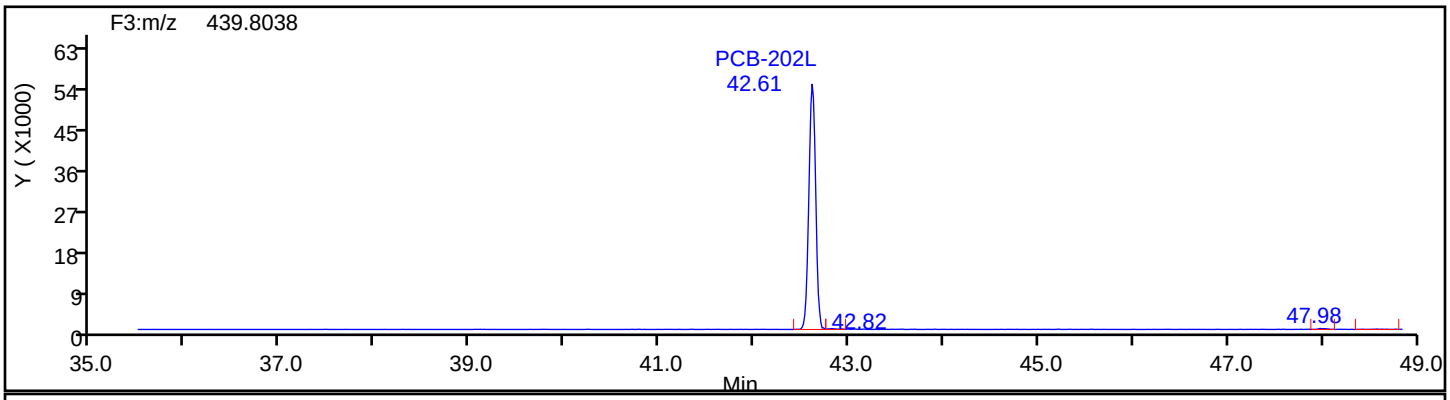
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

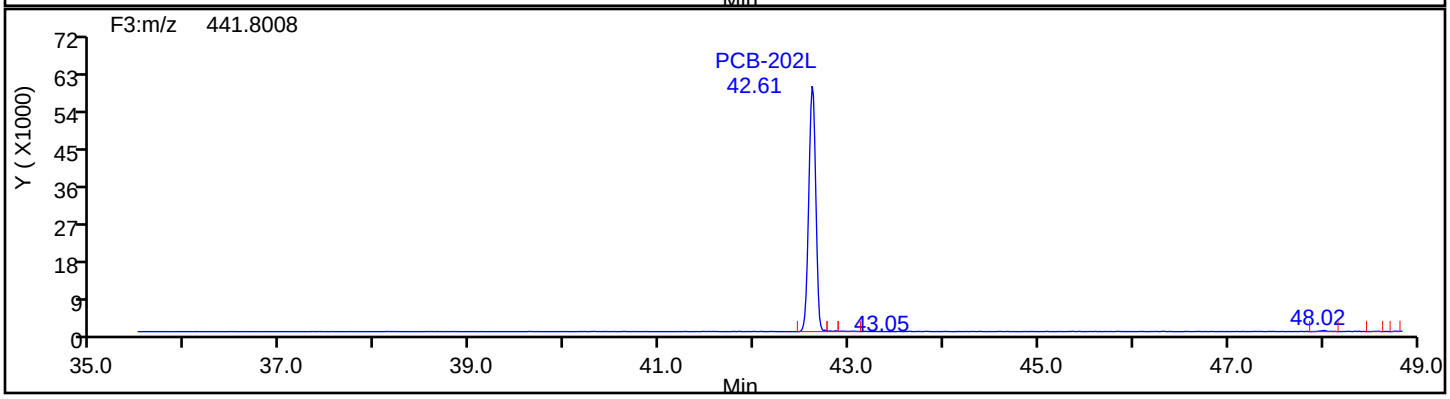
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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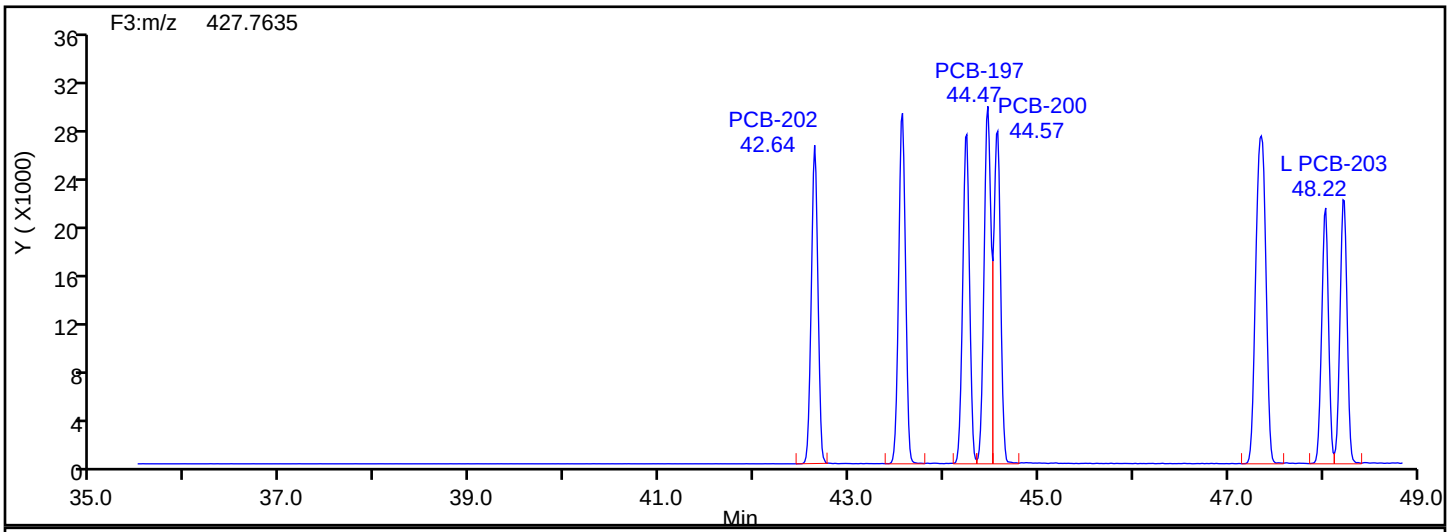
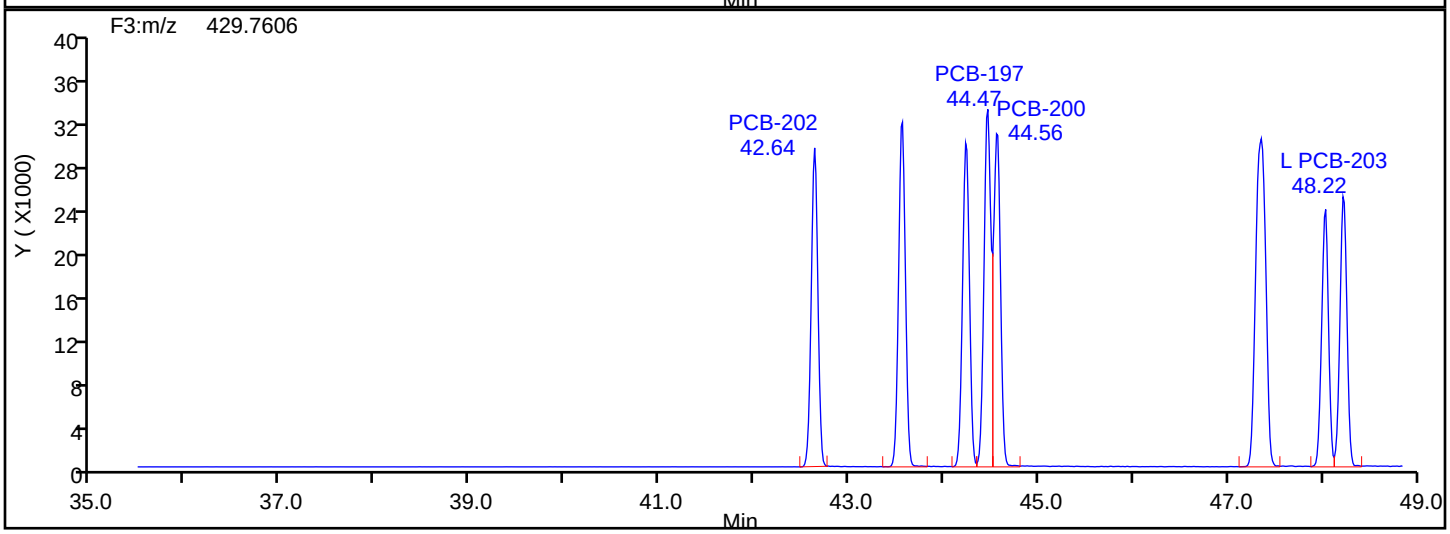
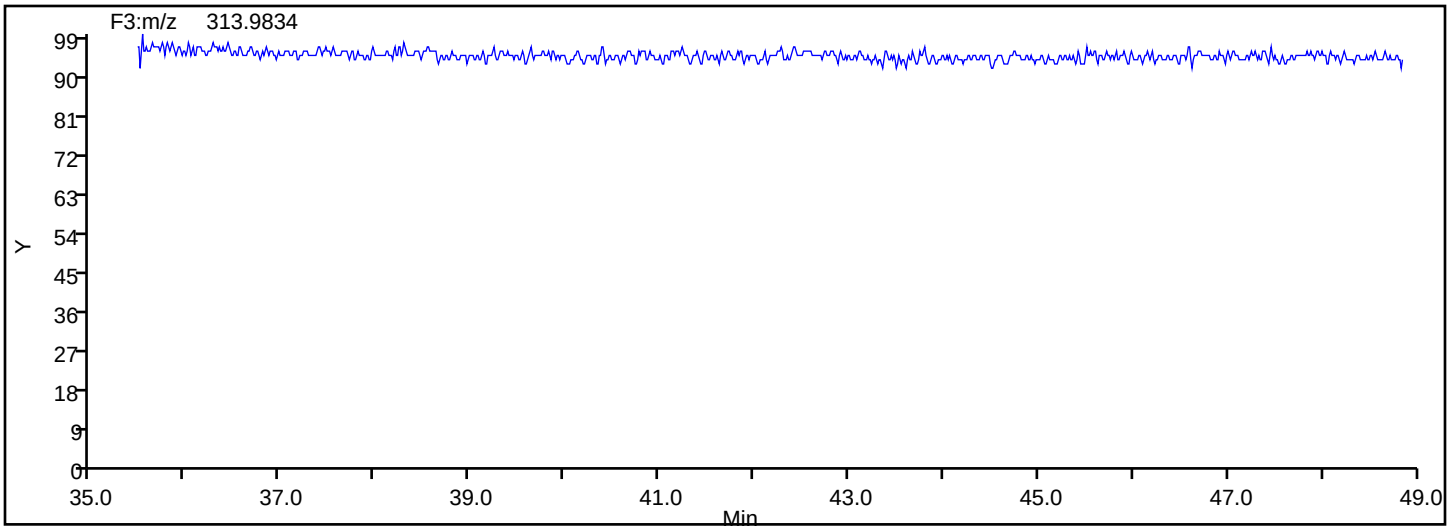
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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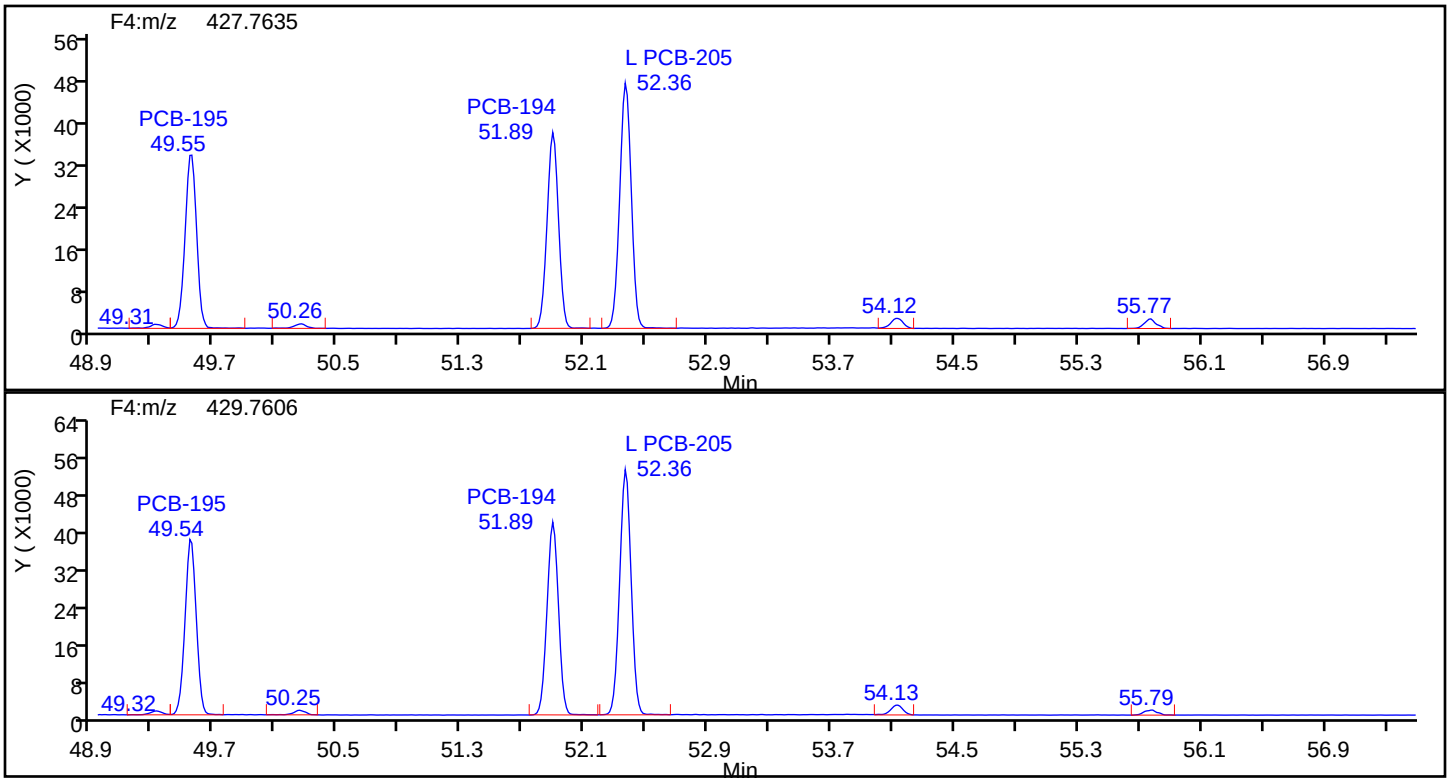
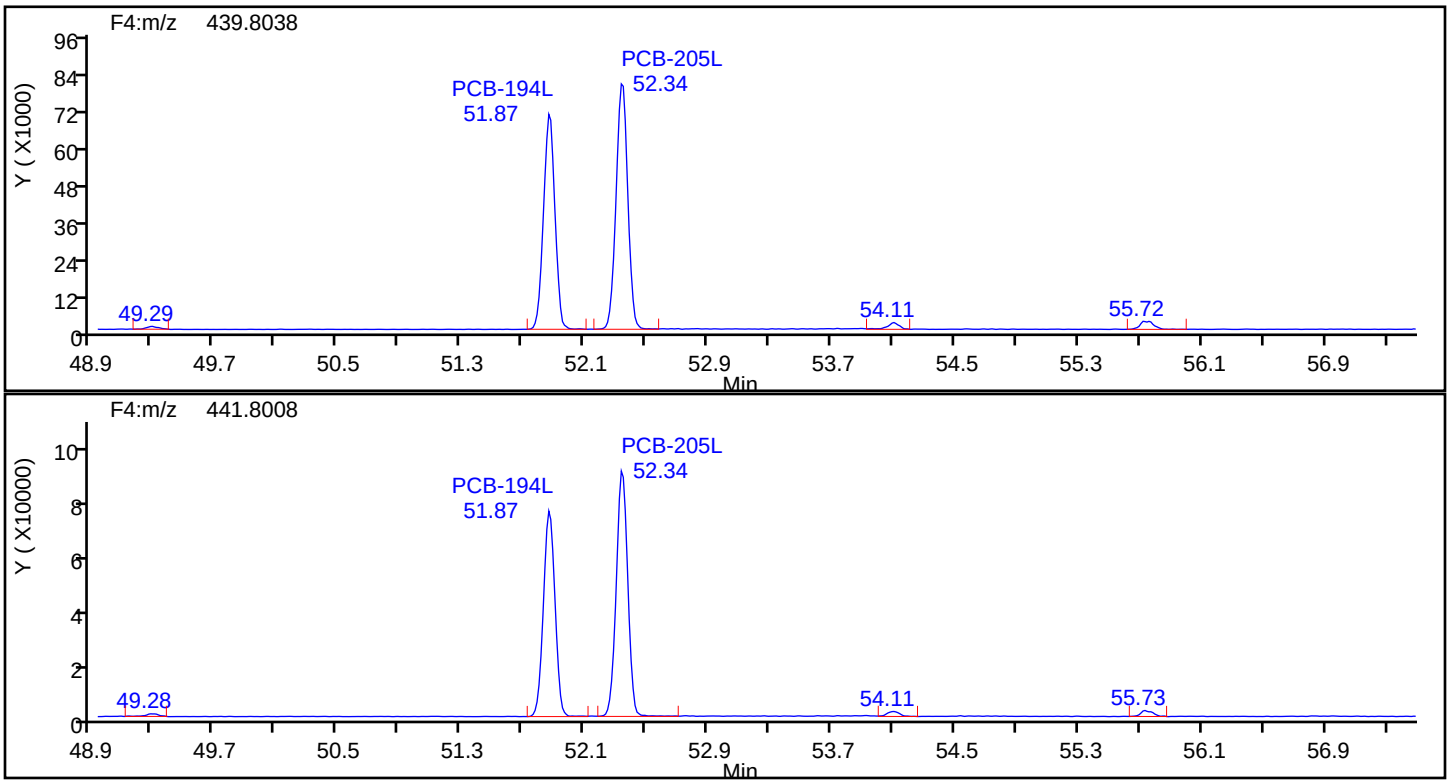
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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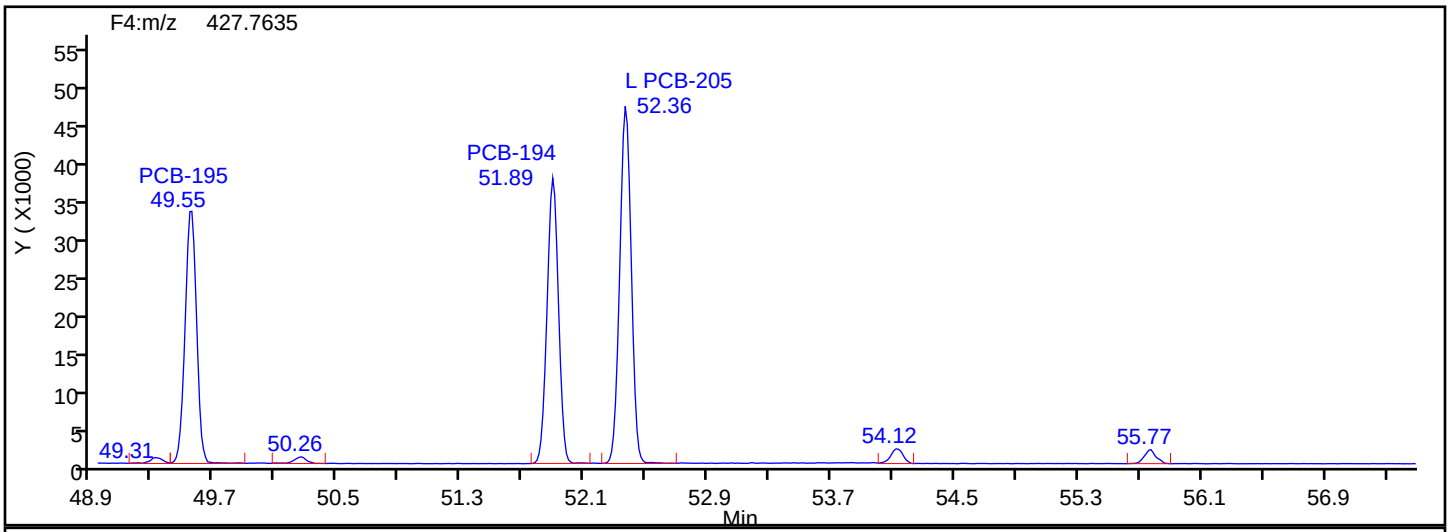
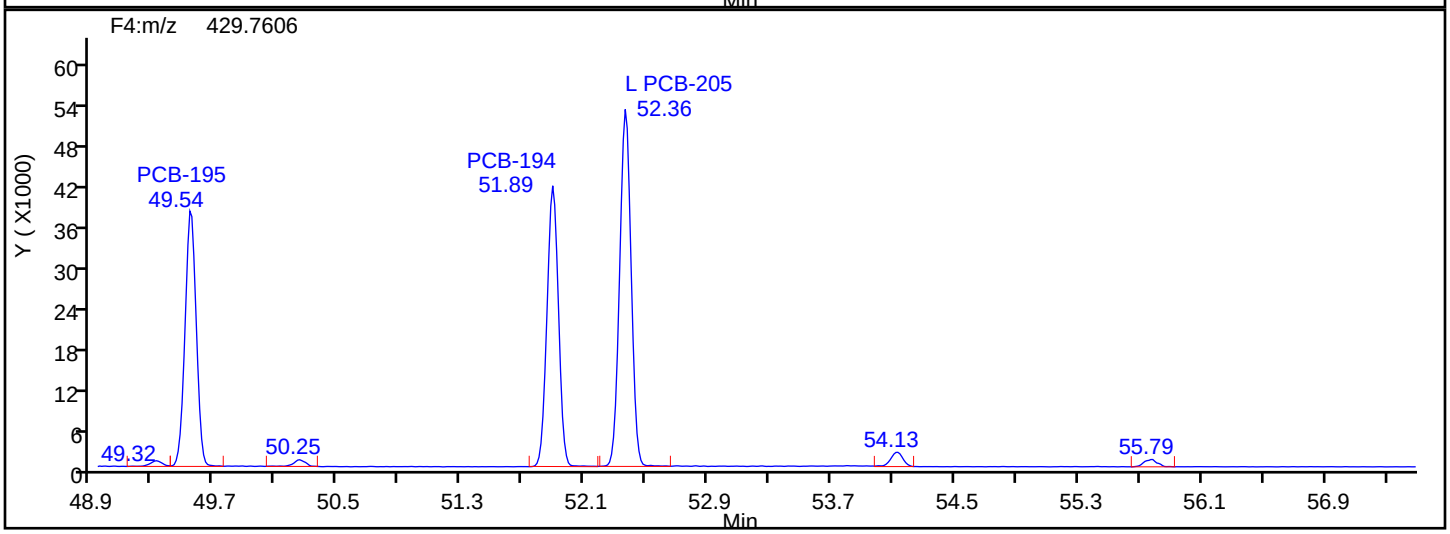
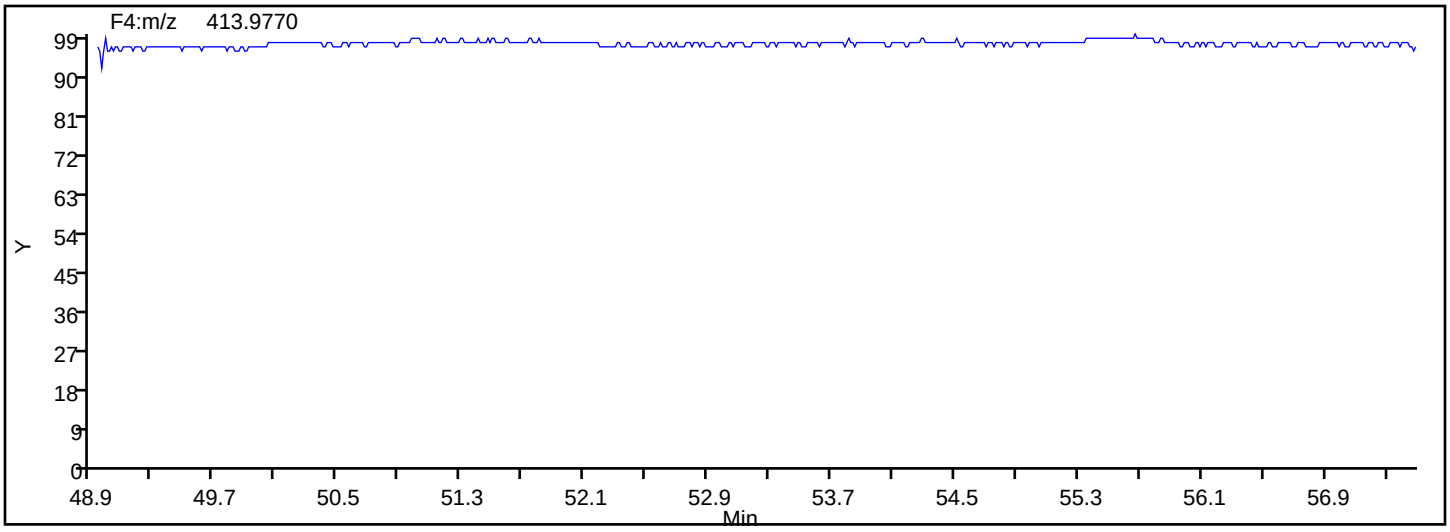
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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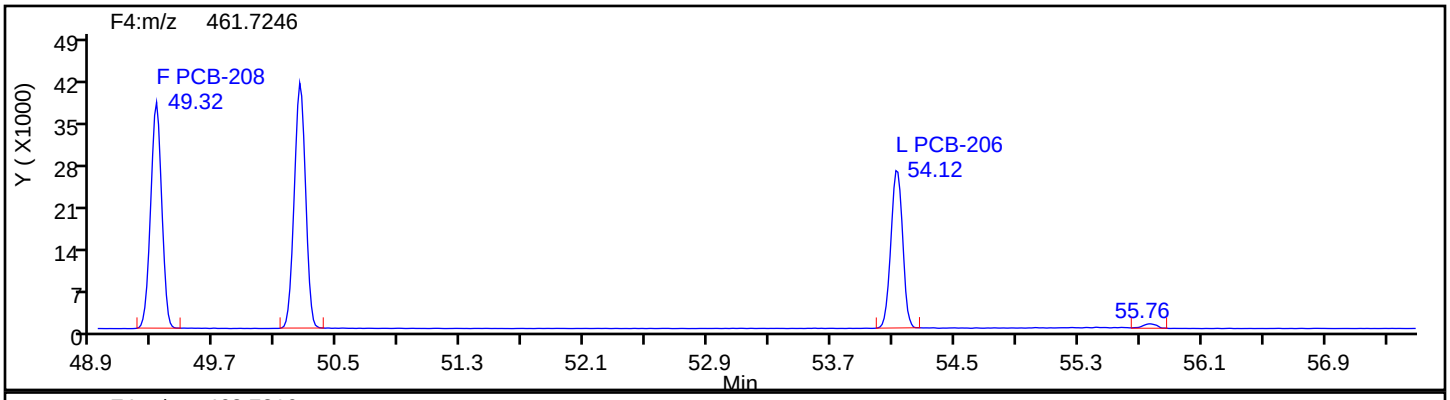
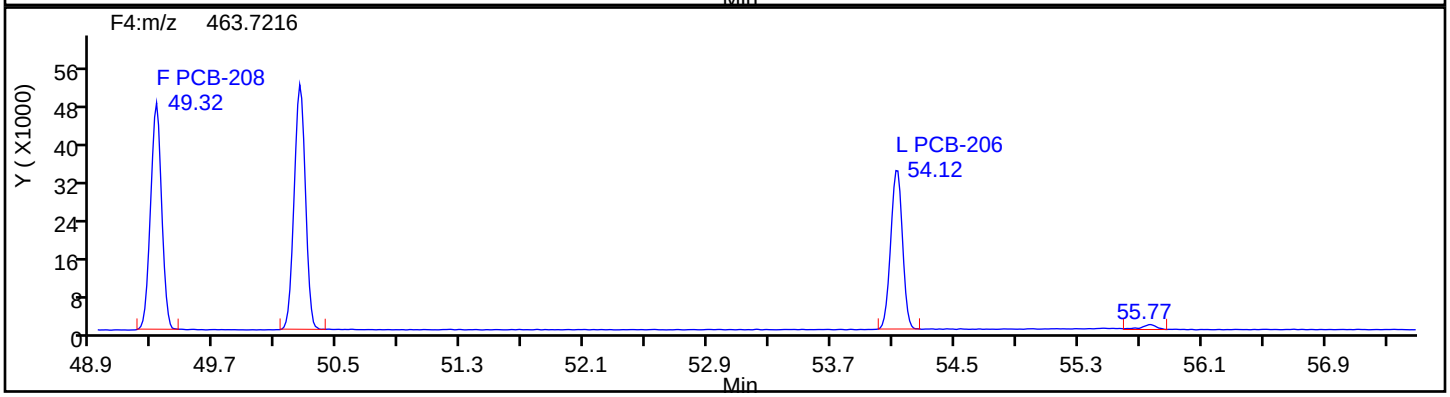
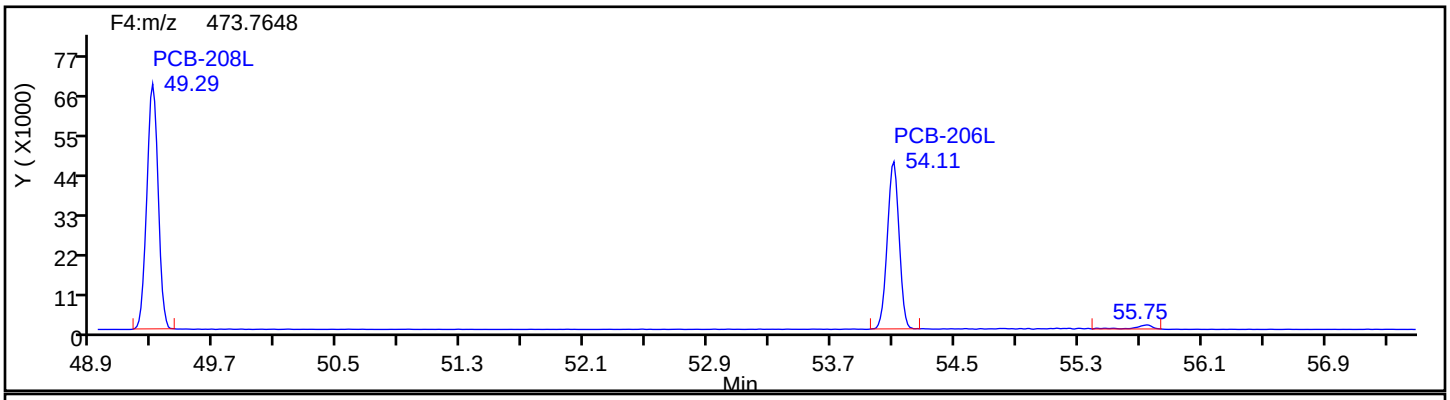
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

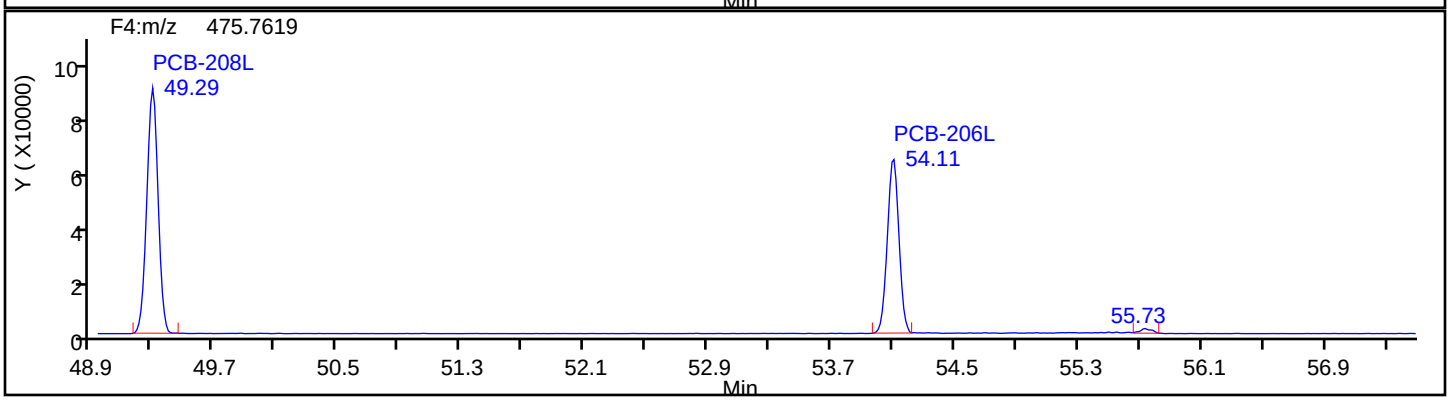
NoPCB F4




NoPCB F4 Standards

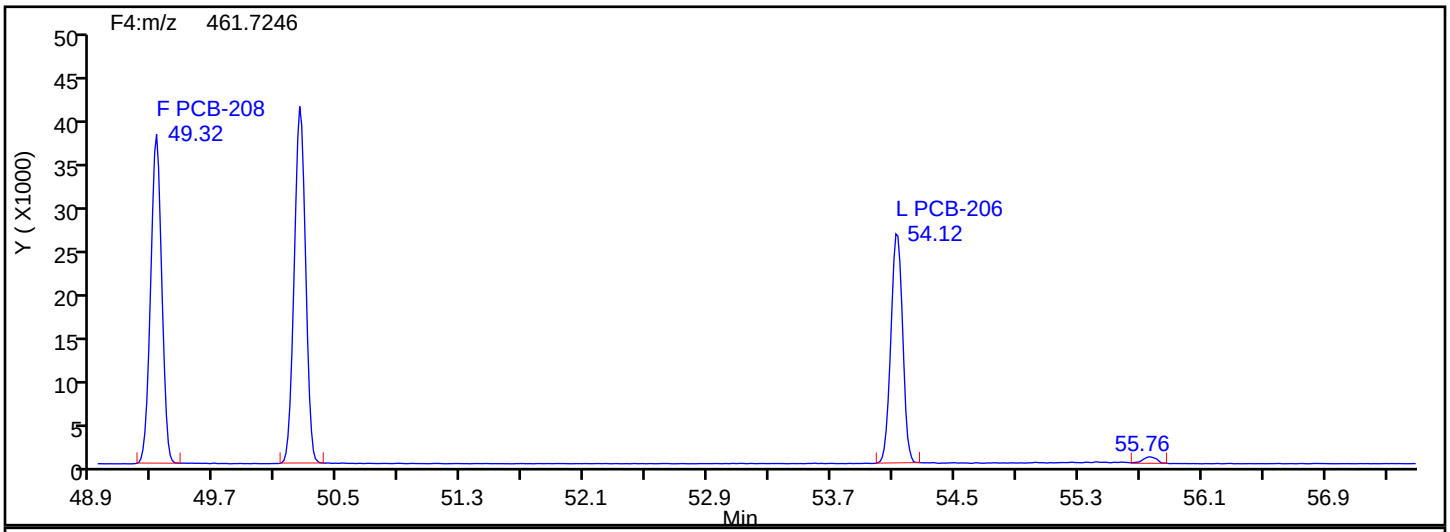


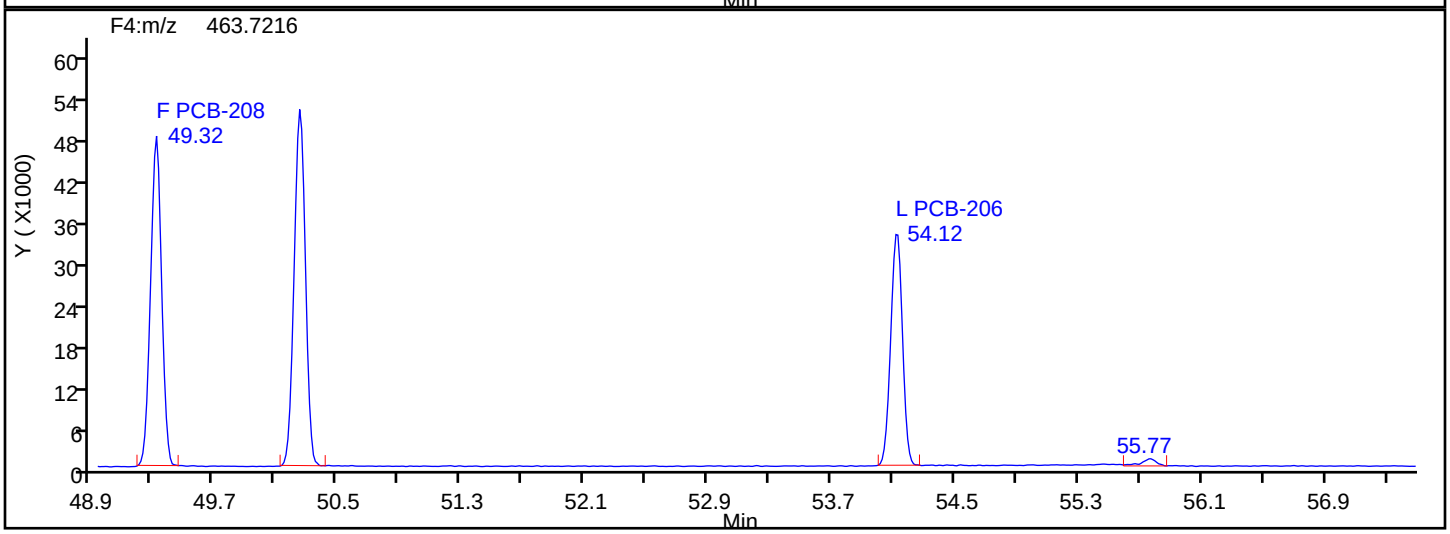



Eurofins TestAmerica, Knoxville

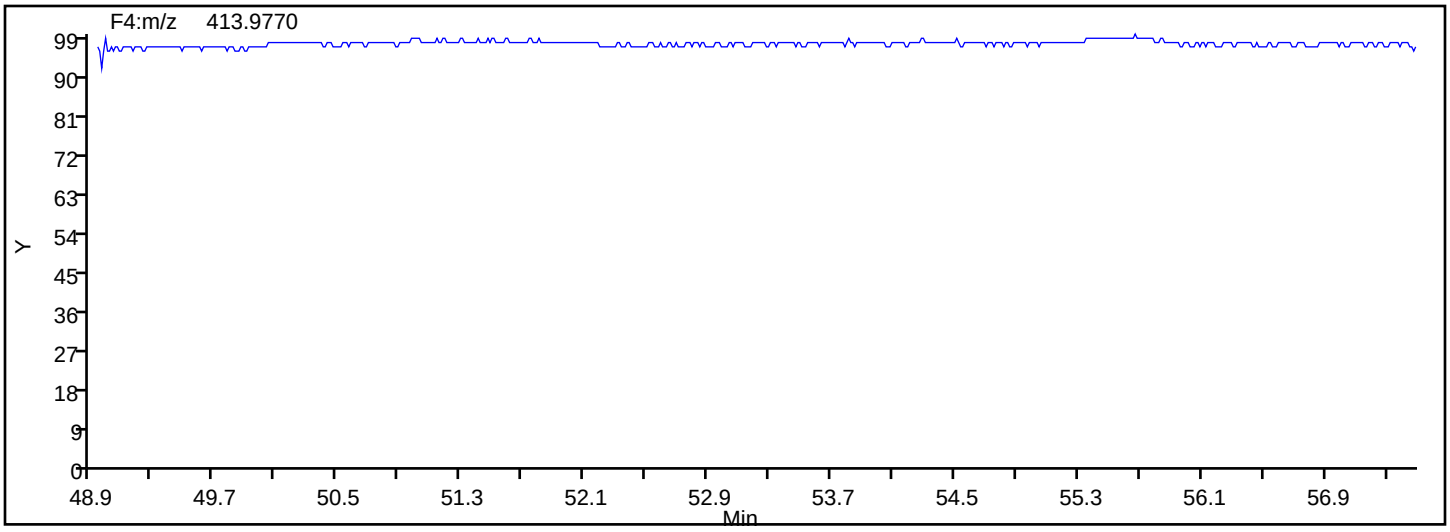
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass

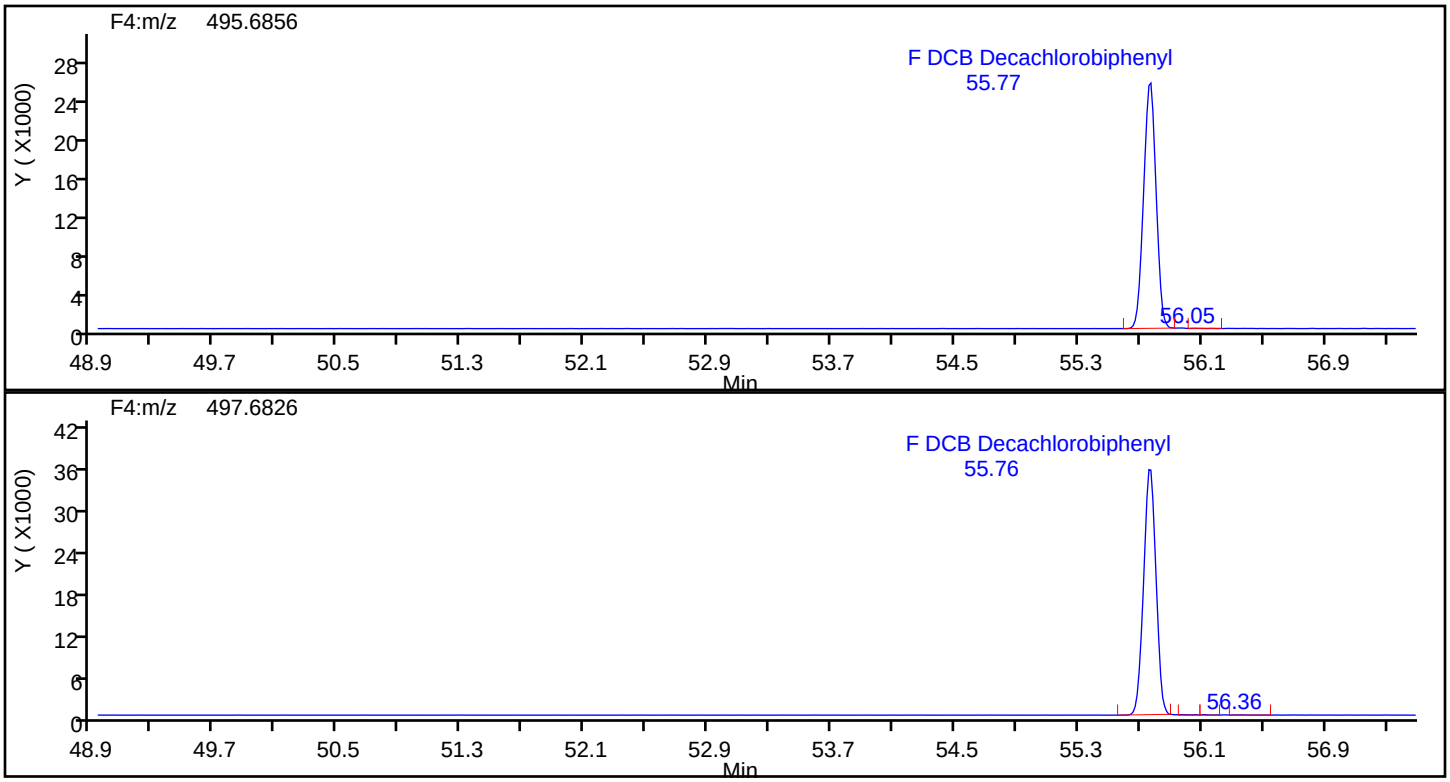


Report Date: 25-Sep-2019 23:53:24 Chrom Revision: 2.3 17-Sep-2019 16:19:08

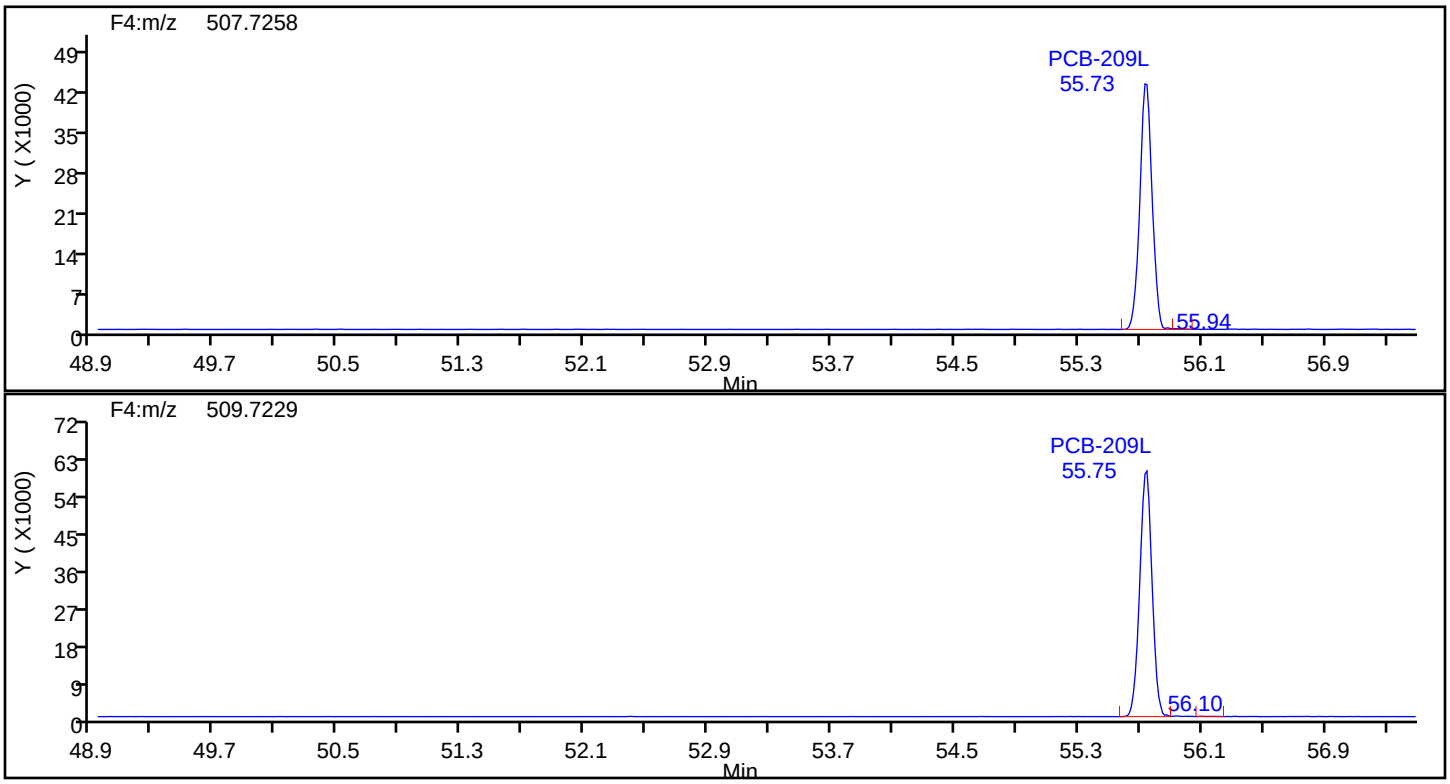
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

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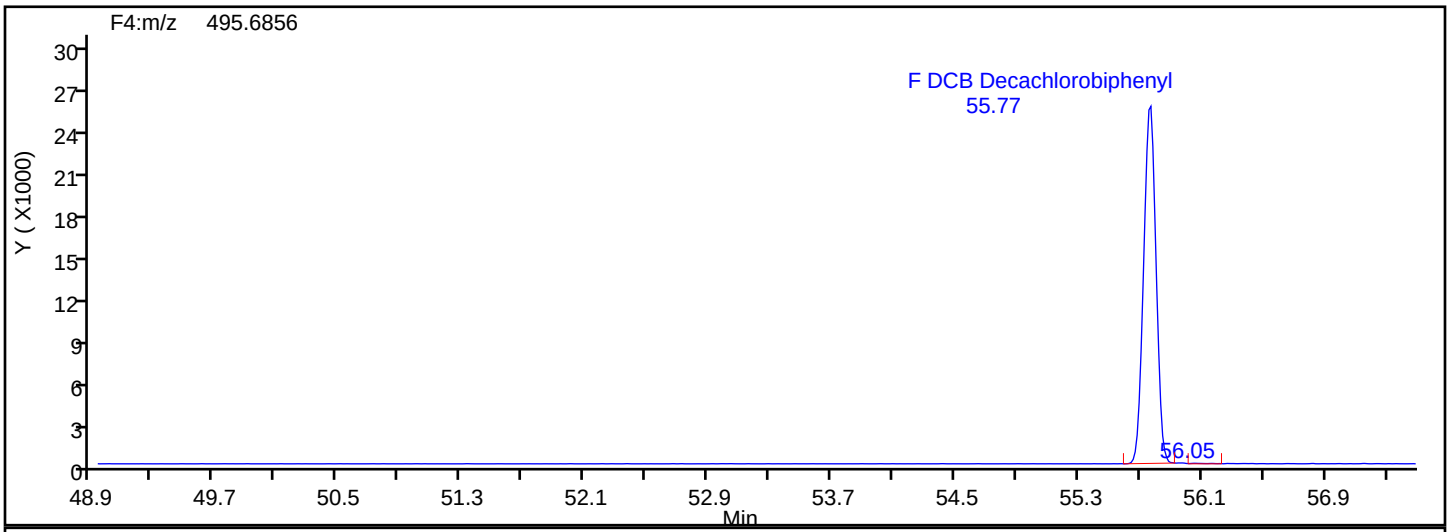
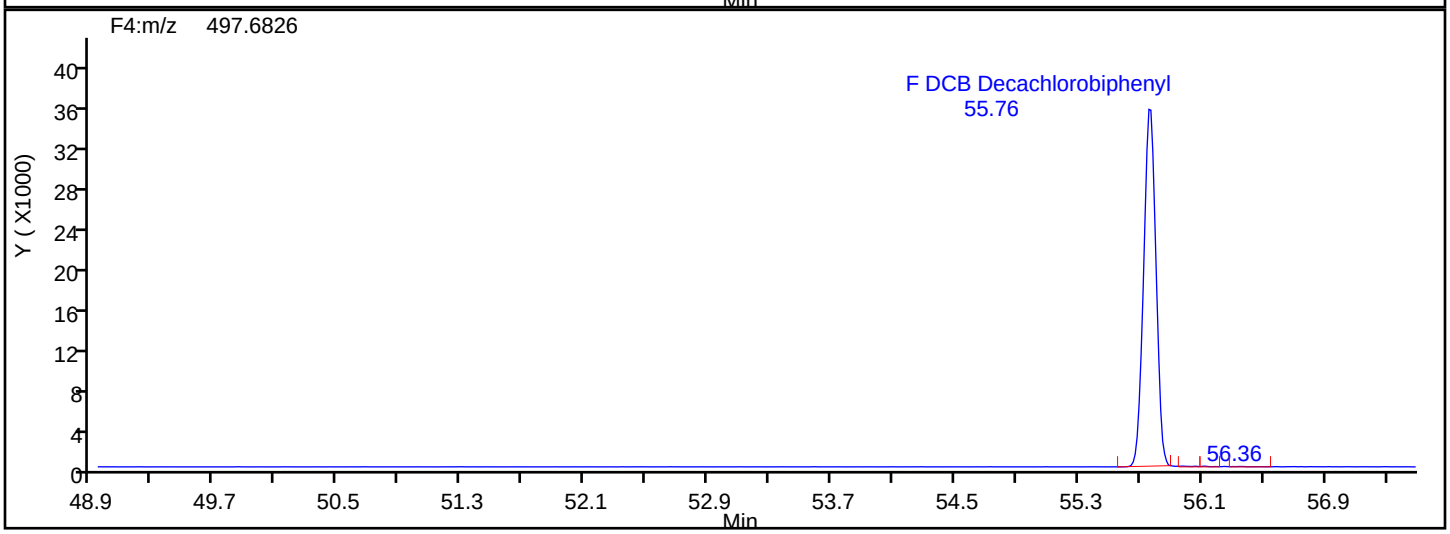
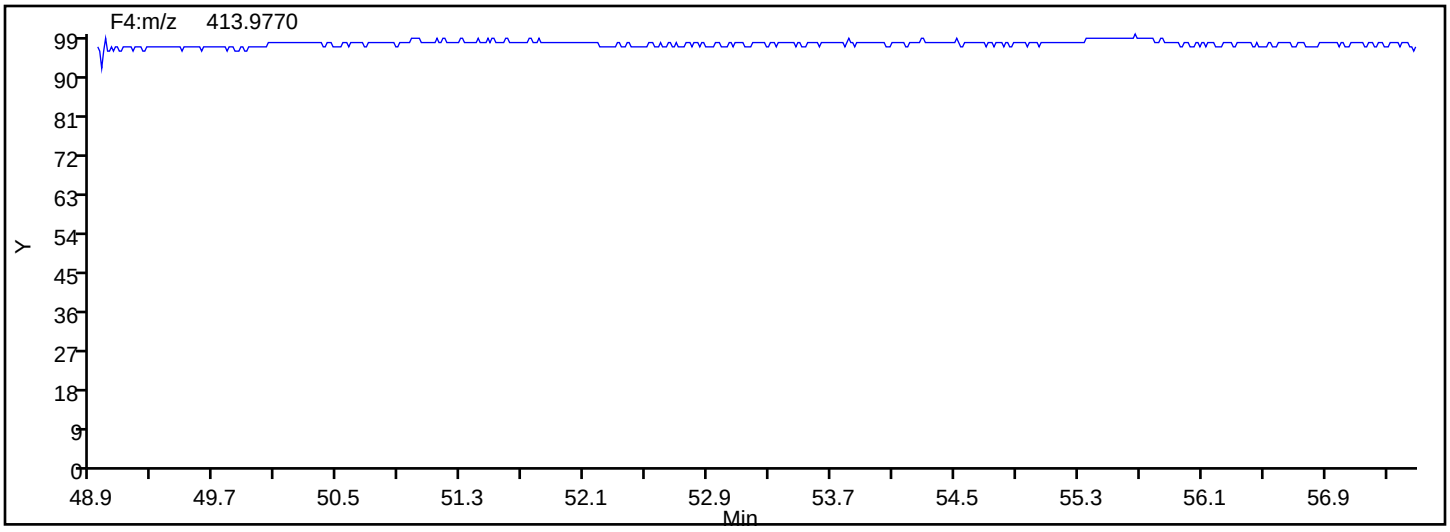
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190925-13185.b\d4190925s3.d | | |
| Injection Date: | 25-Sep-2019 22:28:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33925 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34146/1  Calibration Date: 10/03/2019 11:24

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.110 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-2 | AveID | 1.191 | 1.110 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-3 | AveID | 1.213 | 1.104 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-4 | AveID | 1.253 | 1.157 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-10 | AveID | 1.483 | 1.331 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-9 | AveID | 1.420 | 1.277 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-7 | AveID | 1.624 | 1.452 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-6 | AveID | 1.554 | 1.358 | | 43.7 | 50.0 | 87 | 70-130 |
| PCB-5 | AveID | 1.561 | 1.382 | | 44.3 | 50.0 | 89 | 70-130 |
| PCB-8 | AveID | 1.588 | 1.419 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-19 | AveID | 1.305 | 1.161 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-14 | AveID | 1.874 | 1.635 | | 43.6 | 50.0 | 87 | 70-130 |
| PCB-18 | AveID | 1.819 | 1.562 | | 85.9 | 100 | 86 | 70-130 |
| PCB-18/30 | AveID | 1.819 | 1.562 | | 85.9 | 100 | 86 | 70-130 |
| PCB-30 | AveID | 1.819 | 1.562 | | 85.9 | 100 | 86 | 70-130 |
| PCB-11 | AveID | 1.635 | 1.397 | | 42.7 | 50.0 | 85 | 70-130 |
| PCB-17 | AveID | 1.564 | 1.337 | | 42.7 | 50.0 | 85 | 70-130 |
| PCB-12 | AveID | 1.641 | 1.443 | | 87.9 | 100 | 88 | 70-130 |
| PCB-12/13 | AveID | 1.641 | 1.443 | | 87.9 | 100 | 88 | 70-130 |
| PCB-13 | AveID | 1.641 | 1.443 | | 87.9 | 100 | 88 | 70-130 |
| PCB-27 | AveID | 2.168 | 1.850 | | 42.7 | 50.0 | 85 | 70-130 |
| PCB-24 | AveID | 2.102 | 1.761 | | 41.9 | 50.0 | 84 | 70-130 |
| PCB-16 | AveID | 1.226 | 1.082 | | 44.1 | 50.0 | 88 | 70-130 |
| PCB-15 | AveID | 1.402 | 1.210 | | 43.1 | 50.0 | 86 | 70-130 |
| PCB-54 | AveID | 1.256 | 1.181 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-32 | AveID | 2.342 | 2.006 | | 42.8 | 50.0 | 86 | 70-130 |
| PCB-34 | AveID | 1.215 | 1.158 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-23 | AveID | 1.268 | 1.188 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-26 | AveID | 1.319 | 1.192 | | 90.4 | 100 | 90 | 70-130 |
| PCB-26/29 | AveID | 1.319 | 1.192 | | 90.4 | 100 | 90 | 70-130 |
| PCB-29 | AveID | 1.319 | 1.192 | | 90.4 | 100 | 90 | 70-130 |
| PCB-25 | AveID | 1.352 | 1.240 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-50 | AveID | 0.9362 | 0.8099 | | 86.5 | 100 | 87 | 70-130 |
| PCB-50/53 | AveID | 0.9362 | 0.8099 | | 86.5 | 100 | 87 | 70-130 |
| PCB-53 | AveID | 0.9362 | 0.8099 | | 86.5 | 100 | 87 | 70-130 |
| PCB-31 | AveID | 1.381 | 1.278 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-20 | AveID | 1.306 | 1.171 | | 89.6 | 100 | 90 | 70-130 |
| PCB-20/28 | AveID | 1.306 | 1.171 | | 89.6 | 100 | 90 | 70-130 |
| PCB-28 | AveID | 1.306 | 1.171 | | 89.6 | 100 | 90 | 70-130 |
| PCB-45 | AveID | 0.8850 | 0.7560 | | 85.4 | 100 | 85 | 70-130 |
| PCB-45/51 | AveID | 0.8850 | 0.7560 | | 85.4 | 100 | 85 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34146/1  Calibration Date: 10/03/2019 11:24

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.7560 | | 85.4 | 100 | 85 | 70-130 |
| PCB-21 | AveID | 1.378 | 1.245 | | 90.4 | 100 | 90 | 70-130 |
| PCB-21/33 | AveID | 1.378 | 1.245 | | 90.4 | 100 | 90 | 70-130 |
| PCB-33 | AveID | 1.378 | 1.245 | | 90.4 | 100 | 90 | 70-130 |
| PCB-46 | AveID | 0.7591 | 0.6596 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-22 | AveID | 1.243 | 1.152 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-52 | AveID | 0.8992 | 0.7868 | | 43.7 | 50.0 | 87 | 70-130 |
| PCB-43 | AveID | 0.999 | 0.8617 | | 86.2 | 100 | 86 | 70-130 |
| PCB-43/73 | AveID | 0.999 | 0.8617 | | 86.2 | 100 | 86 | 70-130 |
| PCB-73 | AveID | 0.999 | 0.8617 | | 86.2 | 100 | 86 | 70-130 |
| PCB-36 | AveID | 1.347 | 1.306 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-49 | AveID | 1.137 | 0.9569 | | 84.2 | 100 | 84 | 70-130 |
| PCB-49/69 | AveID | 1.137 | 0.9569 | | 84.2 | 100 | 84 | 70-130 |
| PCB-69 | AveID | 1.137 | 0.9569 | | 84.2 | 100 | 84 | 70-130 |
| PCB-39 | AveID | 1.397 | 1.305 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-48 | AveID | 0.9454 | 0.8010 | | 42.4 | 50.0 | 85 | 70-130 |
| PCB-104 | AveID | 1.393 | 1.286 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-44 | AveID | 1.032 | 0.8511 | | 124 | 150 | 82 | 70-130 |
| PCB-44/47/65 | AveID | 1.032 | 0.8511 | | 124 | 150 | 82 | 70-130 |
| PCB-47 | AveID | 1.032 | 0.8511 | | 124 | 150 | 82 | 70-130 |
| PCB-65 | AveID | 1.032 | 0.8511 | | 124 | 150 | 82 | 70-130 |
| PCB-38 | AveID | 1.318 | 1.203 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-59 | AveID | 1.361 | 1.115 | | 123 | 150 | 82 | 70-130 |
| PCB-59/62/75 | AveID | 1.361 | 1.115 | | 123 | 150 | 82 | 70-130 |
| PCB-62 | AveID | 1.361 | 1.115 | | 123 | 150 | 82 | 70-130 |
| PCB-75 | AveID | 1.361 | 1.115 | | 123 | 150 | 82 | 70-130 |
| PCB-96 | AveID | 1.227 | 1.133 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-42 | AveID | 0.8670 | 0.7432 | | 42.9 | 50.0 | 86 | 70-130 |
| PCB-35 | AveID | 1.217 | 1.192 | | 49.0 | 50.0 | 98 | 70-130 |
| PCB-40 | AveID | 0.9179 | 0.7626 | | 125 | 150 | 83 | 70-130 |
| PCB-40/41/71 | AveID | 0.9179 | 0.7626 | | 125 | 150 | 83 | 70-130 |
| PCB-41 | AveID | 0.9179 | 0.7626 | | 125 | 150 | 83 | 70-130 |
| PCB-71 | AveID | 0.9179 | 0.7626 | | 125 | 150 | 83 | 70-130 |
| PCB-37 | AveID | 1.288 | 1.238 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-64 | AveID | 1.416 | 1.186 | | 41.9 | 50.0 | 84 | 70-130 |
| PCB-72 | AveID | 1.316 | 1.136 | | 43.2 | 50.0 | 86 | 70-130 |
| PCB-103 | AveID | 1.033 | 0.9590 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-68 | AveID | 1.478 | 1.250 | | 42.3 | 50.0 | 85 | 70-130 |
| PCB-94 | AveID | 0.9036 | 0.8445 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-57 | AveID | 1.282 | 1.087 | | 42.4 | 50.0 | 85 | 70-130 |
| PCB-95 | AveID | 0.9620 | 0.8997 | | 46.8 | 50.0 | 94 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34146/1  Calibration Date: 10/03/2019 11:24

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.142 | | 43.2 | 50.0 | 86 | 70-130 |
| PCB-100 | AveID | 0.9806 | 0.8865 | | 90.4 | 100 | 90 | 70-130 |
| PCB-93 | AveID | 0.9806 | 0.8865 | | 90.4 | 100 | 90 | 70-130 |
| PCB-93/100 | AveID | 0.9806 | 0.8865 | | 90.4 | 100 | 90 | 70-130 |
| PCB-67 | AveID | 1.394 | 1.180 | | 42.3 | 50.0 | 85 | 70-130 |
| PCB-102 | AveID | 0.9888 | 0.9138 | | 92.4 | 100 | 92 | 70-130 |
| PCB-98 | AveID | 0.9888 | 0.9138 | | 92.4 | 100 | 92 | 70-130 |
| PCB-98/102 | AveID | 0.9888 | 0.9138 | | 92.4 | 100 | 92 | 70-130 |
| PCB-63 | AveID | 1.468 | 1.239 | | 42.2 | 50.0 | 84 | 70-130 |
| PCB-61 | AveID | 1.357 | 1.112 | | 164 | 200 | 82 | 70-130 |
| PCB-61/70/74/76 | AveID | 1.357 | 1.112 | | 164 | 200 | 82 | 70-130 |
| PCB-70 | AveID | 1.357 | 1.112 | | 164 | 200 | 82 | 70-130 |
| PCB-74 | AveID | 1.357 | 1.112 | | 164 | 200 | 82 | 70-130 |
| PCB-76 | AveID | 1.357 | 1.112 | | 164 | 200 | 82 | 70-130 |
| PCB-88 | AveID | 1.005 | 0.8986 | | 89.4 | 100 | 89 | 70-130 |
| PCB-88/91 | AveID | 1.005 | 0.8986 | | 89.4 | 100 | 89 | 70-130 |
| PCB-91 | AveID | 1.005 | 0.8986 | | 89.4 | 100 | 89 | 70-130 |
| PCB-84 | AveID | 0.8601 | 0.7683 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-66 | AveID | 1.280 | 1.094 | | 42.7 | 50.0 | 85 | 70-130 |
| PCB-55 | AveID | 1.295 | 1.089 | | 42.0 | 50.0 | 84 | 70-130 |
| PCB-89 | AveID | 0.8936 | 0.8280 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-56 | AveID | 1.267 | 1.043 | | 41.2 | 50.0 | 82 | 70-130 |
| PCB-121 | AveID | 1.397 | 1.273 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-60 | AveID | 1.329 | 1.105 | | 41.6 | 50.0 | 83 | 70-130 |
| PCB-92 | AveID | 0.9532 | 0.8874 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-80 | AveID | 1.469 | 1.258 | | 42.8 | 50.0 | 86 | 70-130 |
| PCB-155 | AveID | 1.303 | 1.164 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-152 | AveID | 1.256 | 1.106 | | 44.0 | 50.0 | 88 | 70-130 |
| PCB-101 | AveID | 1.137 | 1.046 | | 138 | 150 | 92 | 70-130 |
| PCB-113 | AveID | 1.137 | 1.046 | | 138 | 150 | 92 | 70-130 |
| PCB-90 | AveID | 1.137 | 1.046 | | 138 | 150 | 92 | 70-130 |
| PCB-90/101/113 | AveID | 1.137 | 1.046 | | 138 | 150 | 92 | 70-130 |
| PCB-150 | AveID | 1.237 | 1.110 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-136 | AveID | 1.156 | 1.040 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-83 | AveID | 0.9393 | 0.9091 | | 96.8 | 100 | 97 | 70-130 |
| PCB-83/99 | AveID | 0.9393 | 0.9091 | | 96.8 | 100 | 97 | 70-130 |
| PCB-99 | AveID | 0.9393 | 0.9091 | | 96.8 | 100 | 97 | 70-130 |
| PCB-112 | AveID | 1.367 | 1.260 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-145 | AveID | 1.191 | 1.071 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-109 | AveID | 1.196 | 1.091 | | 274 | 300 | 91 | 70-130 |
| PCB-119 | AveID | 1.196 | 1.091 | | 274 | 300 | 91 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34146/1  Calibration Date: 10/03/2019 11:24

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.091 | | 274 | 300 | 91 | 70-130 |
| PCB-79 | AveID | 1.542 | 1.387 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-86 | AveID | 1.196 | 1.091 | | 274 | 300 | 91 | 70-130 |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.091 | | 274 | 300 | 91 | 70-130 |
| PCB-87 | AveID | 1.196 | 1.091 | | 274 | 300 | 91 | 70-130 |
| PCB-97 | AveID | 1.196 | 1.091 | | 274 | 300 | 91 | 70-130 |
| PCB-78 | AveID | 1.315 | 1.130 | | 43.0 | 50.0 | 86 | 70-130 |
| PCB-116 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-117 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-85 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-85/116/117 | AveID | 1.213 | 1.159 | | 143 | 150 | 96 | 70-130 |
| PCB-110 | AveID | 1.351 | 1.304 | | 96.5 | 100 | 97 | 70-130 |
| PCB-110/115 | AveID | 1.351 | 1.304 | | 96.5 | 100 | 97 | 70-130 |
| PCB-115 | AveID | 1.351 | 1.304 | | 96.5 | 100 | 97 | 70-130 |
| PCB-81 | AveID | 1.321 | 1.246 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-82 | AveID | 0.8675 | 0.8417 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-148 | AveID | 0.8982 | 0.8175 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-77 | AveID | 1.331 | 1.227 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-111 | AveID | 1.426 | 1.420 | | 49.8 | 50.0 | 100 | 70-130 |
| PCB-135 | AveID | 0.8691 | 0.7780 | | 89.5 | 100 | 90 | 70-130 |
| PCB-135/151 | AveID | 0.8691 | 0.7780 | | 89.5 | 100 | 90 | 70-130 |
| PCB-151 | AveID | 0.8691 | 0.7780 | | 89.5 | 100 | 90 | 70-130 |
| PCB-120 | AveID | 1.491 | 1.386 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-154 | AveID | 1.018 | 0.9005 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-144 | AveID | 0.9185 | 0.8168 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-147 | AveID | 0.9747 | 0.8243 | | 84.6 | 100 | 85 | 70-130 |
| PCB-147/149 | AveID | 0.9747 | 0.8243 | | 84.6 | 100 | 85 | 70-130 |
| PCB-149 | AveID | 0.9747 | 0.8243 | | 84.6 | 100 | 85 | 70-130 |
| PCB-134 | AveID | 0.8518 | 0.7353 | | 86.3 | 100 | 86 | 70-130 |
| PCB-134/143 | AveID | 0.8518 | 0.7353 | | 86.3 | 100 | 86 | 70-130 |
| PCB-143 | AveID | 0.8518 | 0.7353 | | 86.3 | 100 | 86 | 70-130 |
| PCB-108 | AveID | 1.255 | 1.150 | | 91.6 | 100 | 92 | 70-130 |
| PCB-108/124 | AveID | 1.255 | 1.150 | | 91.6 | 100 | 92 | 70-130 |
| PCB-124 | AveID | 1.255 | 1.150 | | 91.6 | 100 | 92 | 70-130 |
| PCB-139 | AveID | 1.000 | 0.8480 | | 84.8 | 100 | 85 | 70-130 |
| PCB-139/140 | AveID | 1.000 | 0.8480 | | 84.8 | 100 | 85 | 70-130 |
| PCB-140 | AveID | 1.000 | 0.8480 | | 84.8 | 100 | 85 | 70-130 |
| PCB-107 | AveID | 1.358 | 1.300 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-131 | AveID | 0.8584 | 0.7456 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-123 | AveID | 1.341 | 1.297 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-106 | AveID | 1.275 | 1.161 | | 45.5 | 50.0 | 91 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34146/1  Calibration Date: 10/03/2019 11:24

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.7453 | | 43.3 | 50.0 | 87 | 70-130 |
| PCB-118 | AveID | 1.289 | 1.254 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-132 | AveID | 0.8801 | 0.7524 | | 42.7 | 50.0 | 85 | 70-130 |
| PCB-122 | AveID | 1.161 | 1.095 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-114 | AveID | 1.405 | 1.332 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-188 | AveID | 1.250 | 1.154 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-133 | AveID | 0.9064 | 0.7930 | | 43.7 | 50.0 | 87 | 70-130 |
| PCB-179 | AveID | 1.415 | 1.313 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-165 | AveID | 1.121 | 0.9851 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-105 | AveID | 1.289 | 1.224 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-146 | AveID | 1.008 | 0.8639 | | 42.8 | 50.0 | 86 | 70-130 |
| PCB-161 | AveID | 1.337 | 1.145 | | 42.8 | 50.0 | 86 | 70-130 |
| PCB-184 | AveID | 1.419 | 1.285 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-176 | AveID | 1.521 | 1.435 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-153 | AveID | 1.221 | 1.050 | | 86.0 | 100 | 86 | 70-130 |
| PCB-153/168 | AveID | 1.221 | 1.050 | | 86.0 | 100 | 86 | 70-130 |
| PCB-168 | AveID | 1.221 | 1.050 | | 86.0 | 100 | 86 | 70-130 |
| PCB-141 | AveID | 0.9608 | 0.8256 | | 43.0 | 50.0 | 86 | 70-130 |
| PCB-186 | AveID | 1.435 | 1.342 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-130 | AveID | 0.8274 | 0.7148 | | 43.2 | 50.0 | 86 | 70-130 |
| PCB-127 | AveID | 1.284 | 1.269 | | 49.4 | 50.0 | 99 | 70-130 |
| PCB-137 | AveID | 1.058 | 0.9195 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-164 | AveID | 1.253 | 1.057 | | 42.2 | 50.0 | 84 | 70-130 |
| PCB-129 | AveID | 1.084 | 0.9343 | | 172 | 200 | 86 | 70-130 |
| PCB-129/138/160/163 | AveID | 1.084 | 0.9343 | | 172 | 200 | 86 | 70-130 |
| PCB-138 | AveID | 1.084 | 0.9343 | | 172 | 200 | 86 | 70-130 |
| PCB-160 | AveID | 1.084 | 0.9343 | | 172 | 200 | 86 | 70-130 |
| PCB-163 | AveID | 1.084 | 0.9343 | | 172 | 200 | 86 | 70-130 |
| PCB-158 | AveID | 1.386 | 1.213 | | 43.8 | 50.0 | 88 | 70-130 |
| PCB-178 | AveID | 1.023 | 0.9753 | | 47.7 | 50.0 | 95 | 70-130 |
| PCB-175 | AveID | 1.069 | 1.008 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-126 | AveID | 1.342 | 1.278 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-128 | AveID | 1.116 | 0.9648 | | 86.4 | 100 | 86 | 70-130 |
| PCB-128/166 | AveID | 1.116 | 0.9648 | | 86.4 | 100 | 86 | 70-130 |
| PCB-166 | AveID | 1.116 | 0.9648 | | 86.4 | 100 | 86 | 70-130 |
| PCB-187 | AveID | 1.111 | 1.061 | | 47.7 | 50.0 | 95 | 70-130 |
| PCB-182 | AveID | 1.148 | 1.091 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-183 | AveID | 1.137 | 1.060 | | 93.2 | 100 | 93 | 70-130 |
| PCB-183/185 | AveID | 1.137 | 1.060 | | 93.2 | 100 | 93 | 70-130 |
| PCB-185 | AveID | 1.137 | 1.060 | | 93.2 | 100 | 93 | 70-130 |
| PCB-174 | AveID | 0.9547 | 0.9297 | | 48.7 | 50.0 | 97 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34146/1  Calibration Date: 10/03/2019 11:24

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.158 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-162 | AveID | 1.362 | 1.206 | | 44.3 | 50.0 | 89 | 70-130 |
| PCB-177 | AveID | 0.9426 | 0.9188 | | 48.7 | 50.0 | 97 | 70-130 |
| PCB-202 | AveID | 1.053 | 0.9672 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-167 | AveID | 1.336 | 1.234 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-181 | AveID | 1.107 | 1.049 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-171 | AveID | 0.9603 | 0.9143 | | 95.2 | 100 | 95 | 70-130 |
| PCB-171/173 | AveID | 0.9603 | 0.9143 | | 95.2 | 100 | 95 | 70-130 |
| PCB-173 | AveID | 0.9603 | 0.9143 | | 95.2 | 100 | 95 | 70-130 |
| PCB-201 | AveID | 1.186 | 1.086 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-156 | AveID | 1.276 | 1.189 | | 93.2 | 100 | 93 | 70-130 |
| PCB-156/157 | AveID | 1.276 | 1.189 | | 93.2 | 100 | 93 | 70-130 |
| PCB-157 | AveID | 1.276 | 1.189 | | 93.2 | 100 | 93 | 70-130 |
| PCB-204 | AveID | 1.101 | 1.019 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-197 | AveID | 1.205 | 1.110 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-200 | AveID | 1.126 | 1.031 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-172 | AveID | 0.9918 | 0.9616 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-192 | AveID | 1.290 | 1.290 | | 50.0 | 50.0 | 100 | 70-130 |
| PCB-180 | AveID | 1.229 | 1.205 | | 98.1 | 100 | 98 | 70-130 |
| PCB-180/193 | AveID | 1.229 | 1.205 | | 98.1 | 100 | 98 | 70-130 |
| PCB-193 | AveID | 1.229 | 1.205 | | 98.1 | 100 | 98 | 70-130 |
| PCB-191 | AveID | 1.385 | 1.366 | | 49.3 | 50.0 | 99 | 70-130 |
| PCB-170 | AveID | 1.270 | 1.267 | | 49.9 | 50.0 | 100 | 70-130 |
| PCB-190 | AveID | 1.377 | 1.341 | | 48.7 | 50.0 | 97 | 70-130 |
| PCB-169 | AveID | 1.283 | 1.210 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-198 | AveID | 0.8183 | 0.7521 | | 91.9 | 100 | 92 | 70-130 |
| PCB-198/199 | AveID | 0.8183 | 0.7521 | | 91.9 | 100 | 92 | 70-130 |
| PCB-199 | AveID | 0.8183 | 0.7521 | | 91.9 | 100 | 92 | 70-130 |
| PCB-196 | AveID | 0.8748 | 0.8079 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-203 | AveID | 0.9219 | 0.8590 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-208 | AveID | 1.157 | 1.077 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-195 | AveID | 0.7839 | 0.7730 | | 49.3 | 50.0 | 99 | 70-130 |
| PCB-189 | AveID | 1.280 | 1.236 | | 48.3 | 50.0 | 97 | 70-130 |
| PCB-207 | AveID | 1.396 | 1.300 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-194 | AveID | 0.9282 | 0.8905 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-205 | AveID | 1.234 | 1.161 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-206 | AveID | 1.193 | 1.097 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-209 | AveID | 1.246 | 1.151 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-1L | Ave | 1.314 | 1.170 | | 89.1 | 100 | 89 | 50-150 |
| PCB-3L | Ave | 1.362 | 1.240 | | 91.0 | 100 | 91 | 50-150 |
| PCB-4L | Ave | 0.5996 | 0.6096 | | 102 | 100 | 102 | 50-150 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34146/1  Calibration Date: 10/03/2019 11:24

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.6283 | | 103 | 100 | 103 | 50-150 |
| PCB-15L | Ave | 1.028 | 1.089 | | 106 | 100 | 106 | 50-150 |
| PCB-54L | Ave | 0.6515 | 0.6376 | | 97.9 | 100 | 98 | 50-150 |
| PCB-104L | Ave | 1.116 | 1.226 | | 110 | 100 | 110 | 50-150 |
| PCB-37L | Ave | 0.9024 | 0.9468 | | 105 | 100 | 105 | 50-150 |
| PCB-155L | Ave | 0.9499 | 1.208 | | 127 | 100 | 127 | 50-150 |
| PCB-81L | Ave | 1.233 | 1.369 | | 111 | 100 | 111 | 50-150 |
| PCB-77L | Ave | 1.252 | 1.445 | | 115 | 100 | 115 | 50-150 |
| PCB-123L | Ave | 0.9909 | 0.9705 | | 97.9 | 100 | 98 | 50-150 |
| PCB-118L | Ave | 1.026 | 1.012 | | 98.7 | 100 | 99 | 50-150 |
| PCB-114L | Ave | 1.003 | 0.9857 | | 98.3 | 100 | 98 | 50-150 |
| PCB-188L | Ave | 1.316 | 1.306 | | 99.2 | 100 | 99 | 50-150 |
| PCB-105L | Ave | 1.001 | 0.9818 | | 98.1 | 100 | 98 | 50-150 |
| PCB-126L | Ave | 0.9020 | 0.9716 | | 108 | 100 | 108 | 50-150 |
| PCB-202L | Ave | 1.006 | 1.105 | | 110 | 100 | 110 | 50-150 |
| PCB-167L | Ave | 1.254 | 1.297 | | 103 | 100 | 103 | 50-150 |
| PCB-156L | Ave | 1.229 | 1.267 | | 206 | 200 | 103 | 50-150 |
| PCB-156L/157L | Ave | 1.229 | 1.267 | | 206 | 200 | 103 | 50-150 |
| PCB-157L | Ave | 1.229 | 1.267 | | 206 | 200 | 103 | 50-150 |
| PCB-170L | Ave | 0.8357 | 0.8173 | | 97.8 | 100 | 98 | 50-150 |
| PCB-169L | Ave | 1.088 | 1.284 | | 118 | 100 | 118 | 50-150 |
| PCB-208L | Ave | 1.138 | 1.079 | | 94.8 | 100 | 95 | 50-150 |
| PCB-189L | Ave | 1.467 | 1.510 | | 103 | 100 | 103 | 50-150 |
| PCB-205L | Ave | 1.287 | 1.215 | | 94.4 | 100 | 94 | 50-150 |
| PCB-206L | Ave | 0.8938 | 0.8266 | | 92.5 | 100 | 92 | 50-150 |
| PCB-209L | Ave | 0.9809 | 0.9080 | | 92.6 | 100 | 93 | 50-150 |
| PCB-8L | AveID | 1.309 | 1.153 | | 44.0 | 50.0 | 88 | 50-150 |
| PCB-28L | Ave | 1.098 | 1.070 | | 48.7 | 50.0 | 97 | 60-130 |
| PCB-95L | AveID | 0.7770 | 0.7348 | | 47.3 | 50.0 | 95 | 50-150 |
| PCB-79L | AveID | 1.124 | 0.9803 | | 43.6 | 50.0 | 87 | 50-150 |
| PCB-111L | Ave | 1.218 | 1.421 | | 58.3 | 50.0 | 117 | 60-130 |
| PCB-153L | AveID | 0.9597 | 0.8056 | | 42.0 | 50.0 | 84 | 50-150 |
| PCB-178L | Ave | 0.9222 | 0.9679 | | 52.5 | 50.0 | 105 | 60-130 |

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

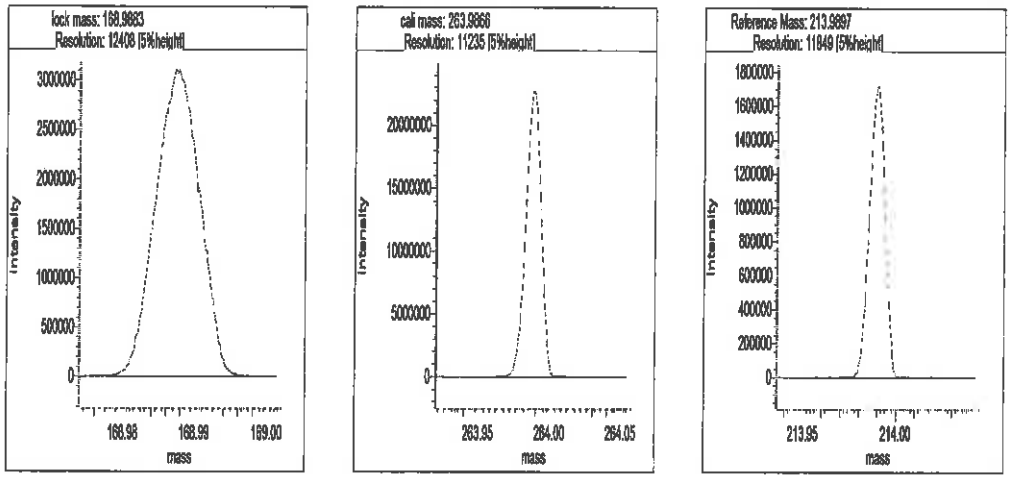
| | |
|---|---|
| Date: | 03 Oct 2019 21:56 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

## Segment 1

Lock mass 168.9883 [m/z] Resolution: 12408 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 11235 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 11849 [5%height]




## Segment 2

Lock mass 263.9866 [m/z] Resolution: 13143 [5%height]

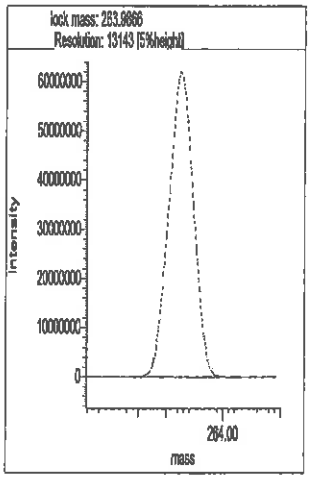
Cali. mass 375.9802 [m/z] Resolution: 11985 [5%height]

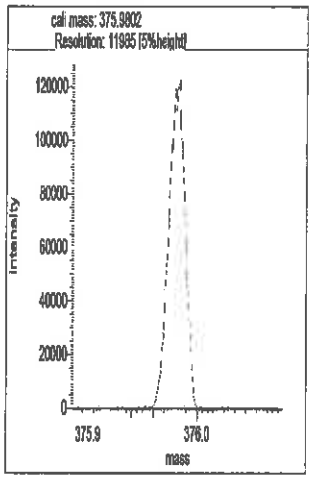
Ref. mass 313.9834 [m/z] Resolution: 12417 [5%height]

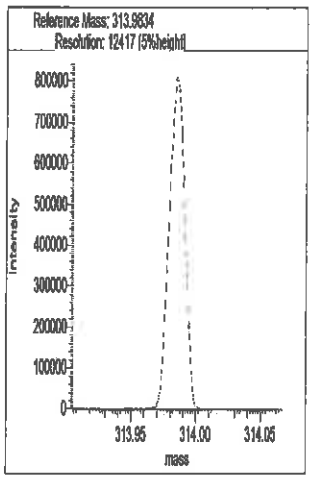
Ref. mass 313.9834 [m/z] Resolution: 12136 [5%height]

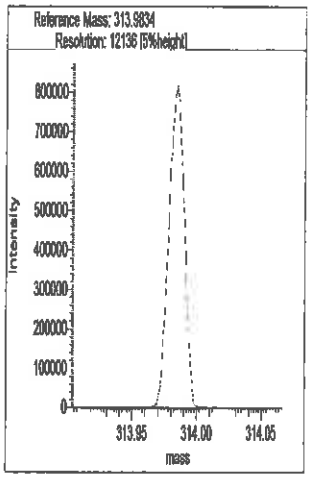
Close _ 19100351b

open _ 19100352a







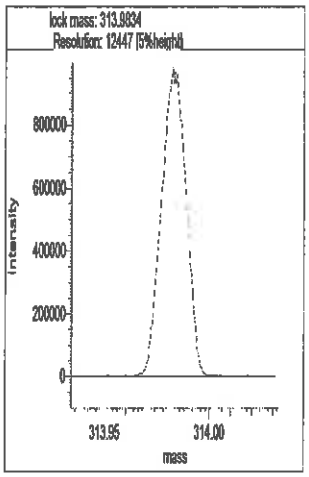


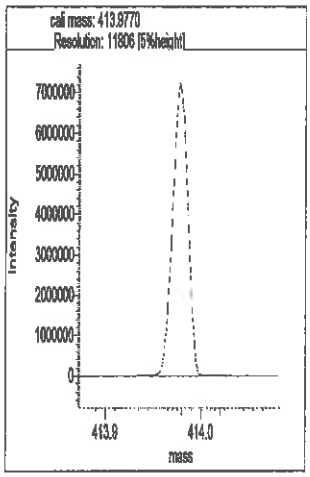

Segment 3

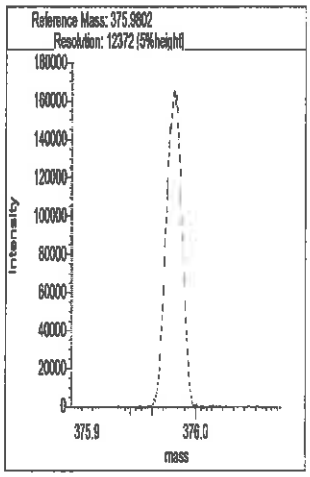
Lock mass 313.9834 [m/z] Resolution: 12447 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 11806 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 12372 [5%height]





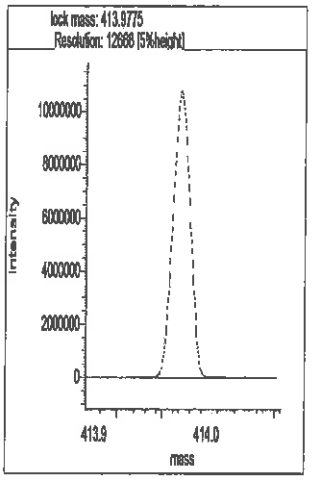


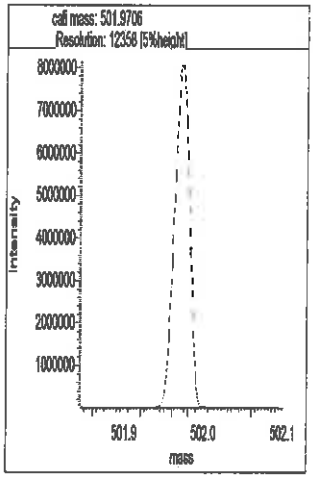

Segment 4

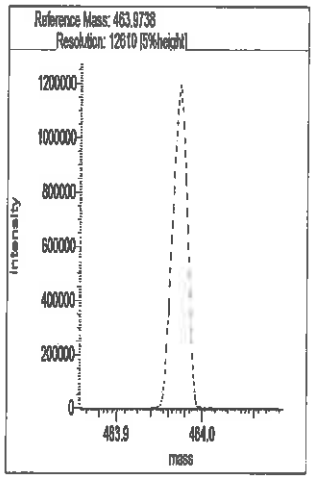
Lock mass 413.9775 [m/z] Resolution: 12668 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 12358 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12610 [5%height]


lock mass: 413.9775
Resolution: 12688 [5%height]
Intensity
10000000
8000000
6000000
4000000
2000000
0
413.9
414.0
mass


cali mass: 501.9706
Resolution: 12358 [5%height]
Intensity
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12610 [5%height]
Intensity
1200000
1000000
800000
600000
400000
200000
0
463.9
464.0
mass

```
Reports
22:06:06:  Peak matching procedure started
22:06:06:
22:06:07:  Reference mass: 168.98827
22:06:07:  Sample mass: 214.0
22:06:08:
22:06:08:  Finding reference mass
22:06:09:  Finding sample mass
22:06:10:
22:06:15:  [1]    213.9900 amu, mean: 213.9900
22:06:18:  [2]    213.9898 amu, mean: 213.9899     SD: 0.08 mmu or: 0.38 ppm
22:06:22:  [3]    213.9895 amu, mean: 213.9897     SD: 0.26 mmu or: 1.23 ppm
22:06:25:  [4]    213.9892 amu, mean: 213.9896     SD: 0.34 mmu or: 1.61 ppm
22:06:26:
22:06:26:  Stop requested. Please wait for procedure to finish.
22:06:26:
22:06:28:
22:06:29:  Peakmatching stopped
```

Signature LH 10-3-19

Reports

```
22:07:37:  Peak matching procedure started
22:07:38:
22:07:39:  Reference mass: 213.98975
22:07:39:  Sample mass: 264.0
22:07:39:
22:07:40:  Finding reference mass
22:07:41:  Finding sample mass
22:07:41:
22:07:47:  [1]    263.9867 amu, mean: 263.9867
22:07:50:  [2]    263.9865 amu, mean: 263.9866     SD: 0.11 mmu or: 0.41 ppm
22:07:53:  [3]    263.9862 amu, mean: 263.9865     SD: 0.25 mmu or: 0.95 ppm
22:07:56:  [4]    263.9862 amu, mean: 263.9864     SD: 0.25 mmu or: 0.95 ppm
22:07:57:
22:07:57:  Stop requested. Please wait for procedure to finish.
22:07:57:
22:07:59:
22:08:00:  Peakmatching stopped
```

Signature LKn 10-3-19

Reports

```
22:08:50:  Peak matching procedure started
22:08:51:
22:08:51:  Reference mass: 263.98656
22:08:52:  Sample mass: 314.0
22:08:52:
22:08:53:  Finding reference mass
22:08:54:  Finding sample mass
22:08:54:
22:09:00:  [1]    313.9822 amu, mean: 313.9822
22:09:03:  [2]    313.9823 amu, mean: 313.9823     SD: 0.04 mmu or: 0.13 ppm
22:09:06:  [3]    313.9825 amu, mean: 313.9823     SD: 0.16 mmu or: 0.50 ppm
22:09:09:  [4]    313.9828 amu, mean: 313.9825     SD: 0.25 mmu or: 0.80 ppm
22:09:10:
22:09:10:  Stop requested. Please wait for procedure to finish.
22:09:10:
22:09:13:
22:09:13:  Peakmatching stopped
```

Signature LM 10-3-19

```
Reports
22:09:57:  Peak matching procedure started
22:09:57:
22:09:58:  Reference mass: 313.98336
22:09:58:  Sample mass: 376.0
22:09:59:
22:09:59:  Finding reference mass
22:10:00:  Finding sample mass
22:10:01:
22:10:06:  [1]    375.9798 amu, mean: 375.9798
22:10:10:  [2]    375.9799 amu, mean: 375.9799     SD: 0.05 mmu or: 0.12 ppm
22:10:13:  [3]    375.9792 amu, mean: 375.9796     SD: 0.40 mmu or: 1.07 ppm
22:10:16:  [4]    375.9798 amu, mean: 375.9797     SD: 0.34 mmu or: 0.90 ppm
22:10:17:
22:10:17:  Stop requested. Please wait for procedure to finish.
22:10:17:
22:10:19:
22:10:20:  Peakmatching stopped
```

Signature Lan 10-3-19

Reports

```
22:09:57:  Peak matching procedure started
22:09:57:
22:09:58:  Reference mass: 313.98336
22:09:58:  Sample mass: 376.0
22:09:59:
22:09:59:  Finding reference mass
22:10:00:  Finding sample mass
22:10:01:
22:10:06:  [1]    375.9798 amu, mean: 375.9798
22:10:10:  [2]    375.9799 amu, mean: 375.9799      SD: 0.05 mmu or: 0.12 ppm
22:10:13:  [3]    375.9792 amu, mean: 375.9796      SD: 0.40 mmu or: 1.07 ppm
22:10:16:  [4]    375.9798 amu, mean: 375.9797      SD: 0.34 mmu or: 0.90 ppm
22:10:17:
22:10:17:  Stop requested. Please wait for procedure to finish.
22:10:17:
22:10:19:
22:10:20:  Peakmatching stopped
```

Signature Lem 10-3-19

Reports

```
22:11:30:  Peak matching procedure started
22:11:30:
22:11:31:  Reference mass: 375.98017
22:11:31:  Sample mass: 414.0
22:11:32:
22:11:32:  Finding reference mass
22:11:33:  Finding sample mass
22:11:34:
22:11:39:  [1]    413.9763 amu, mean: 413.9763
22:11:42:  [2]    413.9762 amu, mean: 413.9762      SD: 0.07 mmu or: 0.17 ppm
22:11:46:  [3]    413.9761 amu, mean: 413.9762      SD: 0.09 mmu or: 0.22 ppm
22:11:49:  [4]    413.9763 amu, mean: 413.9762      SD: 0.09 mmu or: 0.22 ppm
22:11:49:
22:11:49:  Stop requested. Please wait for procedure to finish.
22:11:49:
22:11:52:
22:11:53:  Peakmatching stopped
```

Signature LKa 10-3-19

Reports

```
22:12:44:  Peak matching procedure started
22:12:44:
22:12:45:  Reference mass: 413.97698
22:12:45:  Sample mass: 464.0
22:12:46:
22:12:46:  Finding reference mass
22:12:47:  Finding sample mass
22:12:48:
22:12:53:  [1]    463.9726 amu, mean: 463.9726
22:12:56:  [2]    463.9734 amu, mean: 463.9730      SD: 0.55 mmu or: 1.18 ppm
22:13:00:  [3]    463.9738 amu, mean: 463.9733      SD: 0.58 mmu or: 1.25 ppm
22:13:03:  [4]    463.9742 amu, mean: 463.9735      SD: 0.67 mmu or: 1.45 ppm
22:13:04:
22:13:04:  Stop requested. Please wait for procedure to finish.
22:13:04:
22:13:06:  [5]    463.9737 amu, mean: 463.9735      SD: 0.59 mmu or: 1.28 ppm
22:13:07:
22:13:08:  Peakmatching stopped
```

Signature Lkn 10-3-19

Reports

```
22:13:54:  Peak matching procedure started
22:13:55:
22:13:55:  Reference mass: 463.97378
22:13:56:  Sample mass: 502.0
22:13:56:
22:13:57:  Finding reference mass
22:13:58:  Finding sample mass
22:13:58:
22:14:04:  [1]    501.9703 amu, mean: 501.9703
22:14:07:  [2]    501.9711 amu, mean: 501.9707     SD: 0.57 mmu or: 1.13 ppm
22:14:10:  [3]    501.9711 amu, mean: 501.9708     SD: 0.44 mmu or: 0.88 ppm
22:14:14:  [4]    501.9712 amu, mean: 501.9709     SD: 0.41 mmu or: 0.81 ppm
22:14:14:
22:14:14:  Stop requested. Please wait for procedure to finish.
22:14:14:
22:14:17:
22:14:17:  Peakmatching stopped
```

Signature LK 10-3-19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

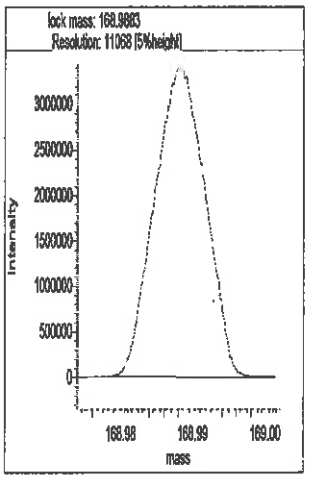
| | |
|---|---|
| Date: | 03 Oct 2019 10:49 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

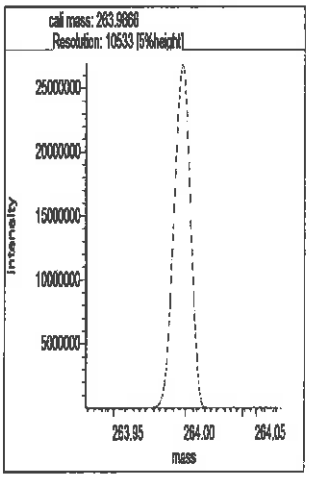
## Segment 1

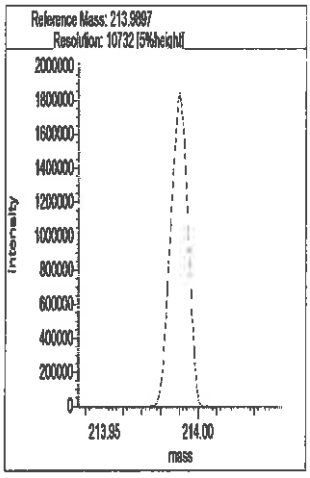
Lock mass 168.9883 [m/z] Resolution: 11068 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10533 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 10732 [5%height]




## Segment 2

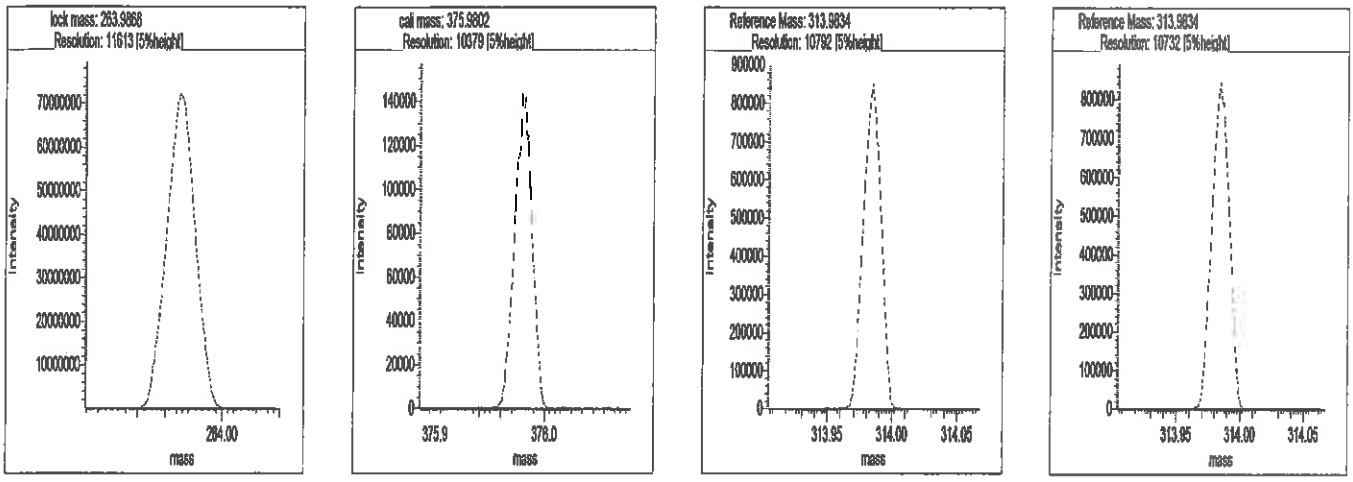
Lock mass 263.9866 [m/z] Resolution: 11613 [5%height]

Cali. mass 375.9802 [m/z] Resolution: 10379 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 10792 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 10732 [5%height]

d4191003s1a Dpl

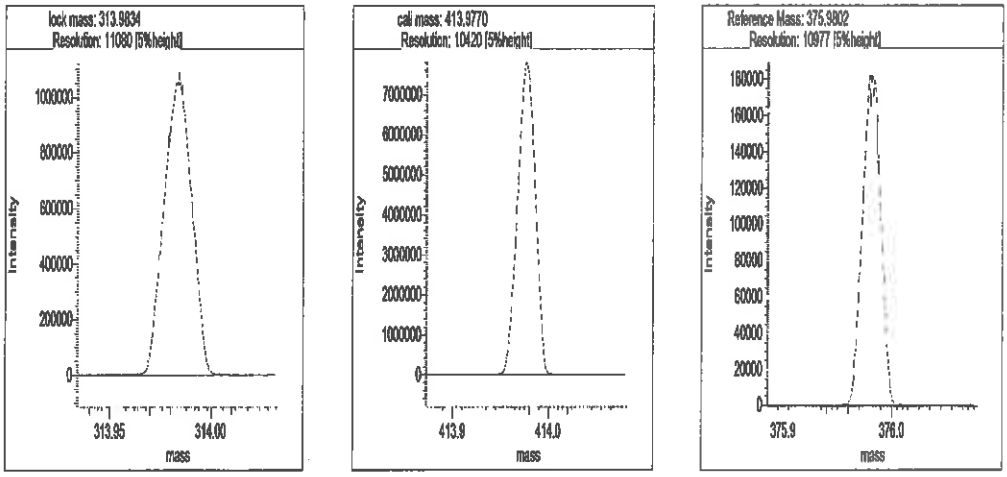



Segment 3

Lock mass 313.9834 [m/z] Resolution: 11080 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 10420 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 10977 [5%height]

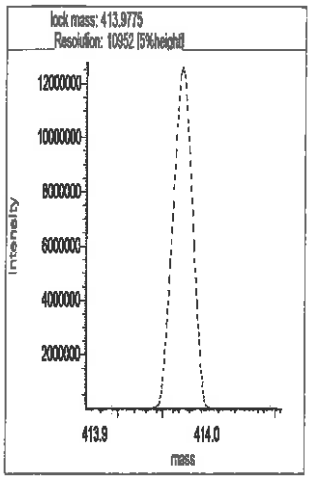


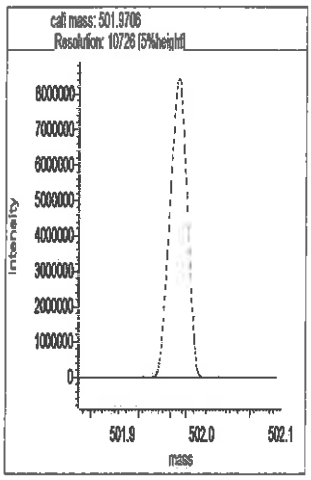

Segment 4

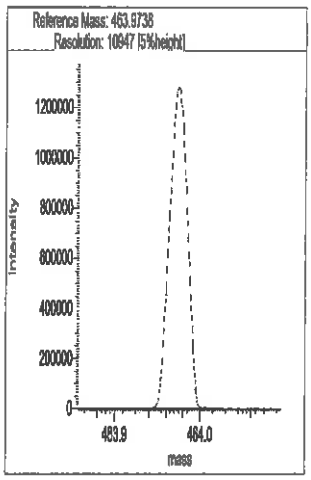
Lock mass 413.9775 [m/z] Resolution: 10952 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 10726 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 10947 [5%height]


lock mass: 413.9775
Resolution: 10952 [5%height]
Intensity
12000000
10000000
8000000
6000000
4000000
2000000
413.9
414.0
mass


cal: mass: 501.9706
Resolution: 10726 [5%height]
Intensity
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 10947 [5%height]
Intensity
1200000
1000000
800000
600000
400000
200000
0
463.9
464.0
mass

Reports

```
10:59:22:  Peak matching procedure started
10:59:22:
10:59:23:  Reference mass: 168.98827
10:59:23:  Sample mass: 214.0
10:59:24:
10:59:24:  Finding reference mass
10:59:25:  Finding sample mass
10:59:26:
10:59:32:  [1]    213.9886 amu, mean: 213.9886
10:59:35:  [2]    213.9886 amu, mean: 213.9886     SD: 0.02 mmu or: 0.11 ppm
10:59:38:  [3]    213.9887 amu, mean: 213.9886     SD: 0.04 mmu or: 0.19 ppm
10:59:41:  [4]    213.9886 amu, mean: 213.9886     SD: 0.05 mmu or: 0.22 ppm
10:59:42:
10:59:42:  Stop requested. Please wait for procedure to finish.
10:59:42:
10:59:44:  [5]    213.9886 amu, mean: 213.9886     SD: 0.04 mmu or: 0.19 ppm
10:59:45:
10:59:46:  Peakmatching stopped
```

Signature 10/3/19

```
Reports
11:00:03:  Peak matching procedure started
11:00:04:
11:00:04:  Reference mass: 213.98975
11:00:05:  Sample mass: 264.0
11:00:05:
11:00:06:  Finding reference mass
11:00:07:  Finding sample mass
11:00:07:
11:00:13:  [1]   263.9861 amu, mean: 263.9861
11:00:16:  [2]   263.9863 amu, mean: 263.9862     SD: 0.14 mmu or: 0.52 ppm
11:00:19:  [3]   263.9859 amu, mean: 263.9861     SD: 0.18 mmu or: 0.70 ppm
11:00:22:  [4]   263.9858 amu, mean: 263.9860     SD: 0.21 mmu or: 0.78 ppm
11:00:24:
11:00:24:  Stop requested. Please wait for procedure to finish.
11:00:24:
11:00:26:
11:00:27:  Peakmatching stopped
```

Signature 10/3/19

Reports

```
11:00:44:  Peak matching procedure started
11:00:45:
11:00:45:  Reference mass: 263.98656
11:00:46:  Sample mass: 314.0
11:00:46:
11:00:47:  Finding reference mass
11:00:48:  Finding sample mass
11:00:48:
11:00:54:  [1]    313.9824 amu, mean: 313.9824
11:00:57:  [2]    313.9826 amu, mean: 313.9825     SD: 0.15 mmu or: 0.47 ppm
11:01:00:  [3]    313.9825 amu, mean: 313.9825     SD: 0.11 mmu or: 0.36 ppm
11:01:03:  [4]    313.9820 amu, mean: 313.9824     SD: 0.26 mmu or: 0.81 ppm
11:01:05:
11:01:05:  Stop requested. Please wait for procedure to finish.
11:01:05:
11:01:06:  [5]    313.9822 amu, mean: 313.9823     SD: 0.23 mmu or: 0.74 ppm
11:01:08:
11:01:09:  Peakmatching stopped
```

Signature 10/3/19

```
Reports
11:02:25:  Peak matching procedure started
11:02:26:
11:02:26:  Reference mass: 313.98336
11:02:27:  Sample mass: 376.0
11:02:27:
11:02:28:  Finding reference mass
11:02:29:  Finding sample mass
11:02:29:
11:02:35:  [1]    375.9788 amu, mean: 375.9788
11:02:38:  [2]    375.9790 amu, mean: 375.9789     SD: 0.10 mmu or: 0.26 ppm
11:02:41:  [3]    375.9788 amu, mean: 375.9789     SD: 0.08 mmu or: 0.21 ppm
11:02:44:  [4]    375.9778 amu, mean: 375.9786     SD: 0.54 mmu or: 1.44 ppm
11:02:46:
11:02:46:  Stop requested. Please wait for procedure to finish.
11:02:46:
11:02:47:  [5]    375.9779 amu, mean: 375.9785     SD: 0.56 mmu or: 1.49 ppm
11:02:49:
11:02:49:  Peakmatching stopped
```

Signature 10/3/19

```
Reports
11:02:25:  Peak matching procedure started
11:02:26:
11:02:26:  Reference mass: 313.98336
11:02:27:  Sample mass: 376.0
11:02:27:
11:02:28:  Finding reference mass
11:02:29:  Finding sample mass
11:02:29:
11:02:35:  [1]    375.9788 amu, mean: 375.9788
11:02:38:  [2]    375.9790 amu, mean: 375.9789     SD: 0.10 mmu or: 0.26 ppm
11:02:41:  [3]    375.9788 amu, mean: 375.9789     SD: 0.08 mmu or: 0.21 ppm
11:02:44:  [4]    375.9778 amu, mean: 375.9786     SD: 0.54 mmu or: 1.44 ppm
11:02:46:
11:02:46:  Stop requested. Please wait for procedure to finish.
11:02:46:
11:02:47:  [5]    375.9779 amu, mean: 375.9785     SD: 0.56 mmu or: 1.49 ppm
11:02:49:
11:02:49:  Peakmatching stopped
```

Signature 10/3/19

Reports

```
11:03:15:  Peak matching procedure started
11:03:15:
11:03:16:  Reference mass: 375.98017
11:03:16:  Sample mass: 414.0
11:03:17:
11:03:17:  Finding reference mass
11:03:18:  Finding sample mass
11:03:19:
11:03:25:  [1]    413.9756 amu, mean: 413.9756
11:03:27:  [2]    413.9757 amu, mean: 413.9757      SD: 0.10 mmu or: 0.23 ppm
11:03:31:  [3]    413.9755 amu, mean: 413.9756      SD: 0.12 mmu or: 0.29 ppm
11:03:34:  [4]    413.9755 amu, mean: 413.9756      SD: 0.11 mmu or: 0.26 ppm
11:03:35:
11:03:35:  Stop requested. Please wait for procedure to finish.
11:03:35:
11:03:37:  [5]    413.9756 amu, mean: 413.9756      SD: 0.10 mmu or: 0.23 ppm
11:03:38:
11:03:39:  Peakmatching stopped
```

Signature 10/3/19

```
Reports
11:03:55:  Peak matching procedure started
11:03:56:
11:03:56:  Reference mass: 413.97698
11:03:57:  Sample mass: 464.0
11:03:57:
11:03:58:  Finding reference mass
11:03:59:  Finding sample mass
11:03:59:
11:04:05:  [1]    463.9725 amu, mean: 463.9725
11:04:08:  [2]    463.9720 amu, mean: 463.9722      SD: 0.33 mmu or: 0.71 ppm
11:04:11:  [3]    463.9719 amu, mean: 463.9721      SD: 0.32 mmu or: 0.68 ppm
11:04:14:  [4]    463.9713 amu, mean: 463.9719      SD: 0.47 mmu or: 1.02 ppm
11:04:15:
11:04:15:  Stop requested. Please wait for procedure to finish.
11:04:15:
11:04:17:  [5]    463.9719 amu, mean: 463.9719      SD: 0.41 mmu or: 0.88 ppm
11:04:19:
11:04:20:  Peakmatching stopped
```

Signature 10/3/19

Reports

```
11:04:37:  Peak matching procedure started
11:04:38:
11:04:38:  Reference mass: 463.97378
11:04:39:  Sample mass: 502.0
11:04:39:
11:04:40:  Finding reference mass
11:04:41:  Finding sample mass
11:04:41:
11:04:47:  [1]    501.9698 amu, mean: 501.9698
11:04:50:  [2]    501.9705 amu, mean: 501.9701     SD: 0.53 mmu or: 1.05 ppm
11:04:53:  [3]    501.9703 amu, mean: 501.9702     SD: 0.39 mmu or: 0.77 ppm
11:04:57:  [4]    501.9704 amu, mean: 501.9702     SD: 0.33 mmu or: 0.66 ppm
11:04:58:
11:04:58:  Stop requested. Please wait for procedure to finish.
11:04:58:
11:05:00:  [5]    501.9705 amu, mean: 501.9703     SD: 0.30 mmu or: 0.60 ppm
11:05:01:
11:05:02:  Peakmatching stopped
```

Signature 10/3/19

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 03-Oct-2019 11:24:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013282-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 12:36:24 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0323

First Level Reviewer: nordquistj Date: 03-Oct-2019 12:34:43

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 138.8 | 138.8 | 0.1324 | 0.1324 | | |
| D PCB-1L | 11:44 | 7290019 | 3.04 | 1.3140 | 89.1 | 89.1 | 0.2494 | 0.2494 | 89.05 | |
| D PCB-3L | 13:54 | 7722429 | 3.04 | 1.3615 | 91.0 | 91.0 | 0.2407 | 0.2407 | 91.04 | |
| PCB-1 | 11:45 | 4046629 | 3.06 | 1.1883 | 46.7 | 46.7 | 0.1290 | 0.1290 | 93.43 | |
| PCB-2 | 13:44 | 4166708 | 3.15 | 1.1911 | 46.6 | 46.6 | 0.1330 | 0.1330 | 93.21 | |
| PCB-3 | 13:55 | 4262695 | 3.10 | 1.2130 | 45.5 | 45.5 | 0.1351 | 0.1351 | 91.01 | |
| S Total Dichlorobiphenyls | | | | | 530.8 | 530.8 | 0.0188 | 0.0188 | | |
| D PCB-4L | 14:10 | 3797856 | 1.63 | 0.5996 | 101.7 | 101.7 | 0.1366 | 0.1366 | 102 | |
| * PCB-9L | 16:07 | 6229788 | 1.63 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-8L | 16:57 | 3049933 | 1.57 | 1.3085 | 44.0 | 44.0 | 0.0771 | 0.0771 | 88.09 | |
| D PCB-15L | 20:01 | 6785364 | 1.63 | 1.0280 | 105.9 | 105.9 | 0.0797 | 0.0797 | 106 | |
| PCB-4 | 14:10 | 2197538 | 1.61 | 1.2533 | 46.2 | 46.2 | 0.0275 | 0.0275 | 92.34 | |
| PCB-10 | 14:21 | 3520722 | 1.59 | 1.4828 | 44.9 | 44.9 | 0.0193 | 0.0193 | 89.74 | |
| PCB-9 | 16:08 | 3378094 | 1.57 | 1.4200 | 45.0 | 45.0 | 0.0201 | 0.0201 | 89.92 | |
| PCB-7 | 16:18 | 3840939 | 1.58 | 1.6244 | 44.7 | 44.7 | 0.0176 | 0.0176 | 89.37 | |
| PCB-6 | 16:32 | 3592046 | 1.60 | 1.5539 | 43.7 | 43.7 | 0.0184 | 0.0184 | 87.37 | |
| PCB-5 | 16:50 | 3657256 | 1.59 | 1.5606 | 44.3 | 44.3 | 0.0183 | 0.0183 | 88.57 | |
| PCB-8 | 16:58 | 3753721 | 1.61 | 1.5884 | 44.7 | 44.7 | 0.0180 | 0.0180 | 89.32 | |
| PCB-14 | 18:35 | 4326117 | 1.58 | 1.8738 | 43.6 | 43.6 | 0.0153 | 0.0153 | 87.26 | |
| PCB-11 | 19:25 | 3695388 | 1.60 | 1.6347 | 42.7 | 42.7 | 0.0175 | 0.0175 | 85.44 | |
| PCB-12 | 19:45 | 7637309 | 1.59 | 1.6410 | 87.9 | 87.9 | 0.0174 | 0.0174 | 87.95 | |
| PCB-13 (C12) | 19:45 | 7637309 | 1.59 | 1.6410 | 87.9 | 87.9 | 0.0174 | 0.0174 | 87.95 | |
| PCB-15 | 20:02 | 4105960 | 1.57 | 1.4024 | 43.1 | 43.1 | 0.0174 | 0.0174 | 86.30 | |
| S Total Trichlorobiphenyl | | | | | 1085.9 | 1085.9 | 0.2000 | 0.2000 | | |
| D PCB-19L | 17:15 | 2869935 | 1.07 | 0.6095 | 103.1 | 103.1 | 0.2768 | 0.2768 | 103 | |
| * PCB-32L | 20:29 | 4567553 | 1.08 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:45 | 9185304 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:03 | 4913112 | 1.07 | 1.0975 | 48.7 | 48.7 | 0.1867 | 0.1867 | 97.47 | |
| D PCB-37L | 27:03 | 8696486 | 1.08 | 0.9024 | 104.9 | 104.9 | 0.2271 | 0.2271 | 105 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:16 | 1665757 | 1.05 | 1.3047 | 44.5 | 44.5 | 0.0197 | 0.0197 | 88.97 | |
| PCB-18 | 19:06 | 4481457 | 1.06 | 1.8188 | 85.9 | 85.9 | 0.0142 | 0.0142 | 85.86 | |
| PCB-30 (C18) | 19:06 | 4481457 | 1.06 | 1.8188 | 85.9 | 85.9 | 0.0142 | 0.0142 | 85.86 | |
| PCB-17 | 19:33 | 1918107 | 1.06 | 1.5641 | 42.7 | 42.7 | 0.0165 | 0.0165 | 85.46 | |
| PCB-27 | 19:45 | 2654041 | 1.07 | 2.1680 | 42.7 | 42.7 | 0.0119 | 0.0119 | 85.31 | |
| PCB-24 | 19:53 | 2527273 | 1.07 | 2.1018 | 41.9 | 41.9 | 0.0122 | 0.0122 | 83.80 | |
| PCB-16 | 20:00 | 1553199 | 1.10 | 1.2260 | 44.1 | 44.1 | 0.0210 | 0.0210 | 88.29 | |
| PCB-32 | 20:31 | 2877972 | 1.06 | 2.3416 | 42.8 | 42.8 | 0.0110 | 0.0110 | 85.65 | |
| PCB-34 | 21:47 | 5035144 | 1.08 | 1.2154 | 47.6 | 47.6 | 0.3221 | 0.3221 | 95.27 | |
| PCB-23 | 21:56 | 5163637 | 1.09 | 1.2675 | 46.8 | 46.8 | 0.3088 | 0.3088 | 93.69 | |
| PCB-26 | 22:15 | 10369062 | 1.08 | 1.3193 | 90.4 | 90.4 | 0.2967 | 0.2967 | 90.38 | |
| PCB-29 (C26) | 22:15 | 10369062 | 1.08 | 1.3193 | 90.4 | 90.4 | 0.2967 | 0.2967 | 90.38 | |
| PCB-25 | 22:28 | 5390925 | 1.09 | 1.3523 | 45.8 | 45.8 | 0.2895 | 0.2895 | 91.68 | |
| PCB-31 | 22:46 | 5558908 | 1.07 | 1.3809 | 46.3 | 46.3 | 0.2835 | 0.2835 | 92.58 | |
| PCB-20 | 23:04 | 10179282 | 1.08 | 1.3057 | 89.6 | 89.6 | 0.2998 | 0.2998 | 89.64 | |
| PCB-28 (C20) | 23:04 | 10179282 | 1.08 | 1.3057 | 89.6 | 89.6 | 0.2998 | 0.2998 | 89.64 | |
| PCB-21 | 23:18 | 10828146 | 1.07 | 1.3777 | 90.4 | 90.4 | 0.2842 | 0.2842 | 90.38 | |
| PCB-33 (C21) | 23:18 | 10828146 | 1.07 | 1.3777 | 90.4 | 90.4 | 0.2842 | 0.2842 | 90.38 | |
| PCB-22 | 23:42 | 5010864 | 1.10 | 1.2430 | 46.4 | 46.4 | 0.3149 | 0.3149 | 92.71 | |
| PCB-36 | 25:15 | 5677993 | 1.08 | 1.3468 | 48.5 | 48.5 | 0.2907 | 0.2907 | 96.95 | |
| PCB-39 | 25:36 | 5675115 | 1.08 | 1.3970 | 46.7 | 46.7 | 0.2802 | 0.2802 | 93.42 | |
| PCB-38 | 26:11 | 5232585 | 1.08 | 1.3177 | 45.7 | 45.7 | 0.2971 | 0.2971 | 91.33 | |
| PCB-35 | 26:39 | 5184928 | 1.09 | 1.2166 | 49.0 | 49.0 | 0.3218 | 0.3218 | 98.01 | |
| PCB-37 | 27:03 | 5382330 | 1.08 | 1.2879 | 48.1 | 48.1 | 0.3039 | 0.3039 | 96.11 | |
| S Total Tetrachlorobiphen | | | | | 1785.9 | 1785.9 | 0.2181 | 0.2181 | | |
| D PCB-54L | 20:19 | 2912068 | 0.81 | 0.6515 | 97.9 | 97.9 | 0.0309 | 0.0309 | 97.86 | |
| * PCB-52L | 24:53 | 5003550 | 0.80 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-79L | 32:47 | 3450842 | 0.79 | 1.1239 | 43.6 | 43.6 | 0.2476 | 0.2476 | 87.21 | |
| D PCB-81L | 33:47 | 6849450 | 0.81 | 1.2328 | 111.0 | 111.0 | 0.2887 | 0.2887 | 111 | |
| D PCB-77L | 34:21 | 7232067 | 0.81 | 1.2523 | 115.4 | 115.4 | 0.2842 | 0.2842 | 115 | |
| PCB-54 | 20:21 | 1720072 | 0.81 | 1.2558 | 47.0 | 47.0 | 0.0155 | 0.0155 | 94.07 | |
| PCB-50 | 22:31 | 5702299 | 0.80 | 0.9362 | 86.5 | 86.5 | 0.2806 | 0.2806 | 86.51 | |
| PCB-53 (C50) | 22:31 | 5702299 | 0.80 | 0.9362 | 86.5 | 86.5 | 0.2806 | 0.2806 | 86.51 | |
| PCB-45 | 23:15 | 5322837 | 0.80 | 0.8850 | 85.4 | 85.4 | 0.2968 | 0.2968 | 85.42 | Ma |
| PCB-51 (C45) | 23:15 | 5322837 | 0.80 | 0.8850 | 85.4 | 85.4 | 0.2968 | 0.2968 | 85.42 | Ma |
| PCB-46 | 23:29 | 2321891 | 0.79 | 0.7591 | 43.4 | 43.4 | 0.3460 | 0.3460 | 86.89 | |
| PCB-52 | 24:54 | 2769733 | 0.79 | 0.8992 | 43.7 | 43.7 | 0.2921 | 0.2921 | 87.49 | |
| PCB-43 | 25:03 | 6066668 | 0.79 | 0.9993 | 86.2 | 86.2 | 0.2628 | 0.2628 | 86.22 | Ma |
| PCB-73 (C43) | 25:03 | 6066668 | 0.79 | 0.9993 | 86.2 | 86.2 | 0.2628 | 0.2628 | 86.22 | Ma |
| PCB-49 | 25:21 | 6737537 | 0.80 | 1.1366 | 84.2 | 84.2 | 0.2311 | 0.2311 | 84.19 | |
| PCB-69 (C49) | 25:21 | 6737537 | 0.80 | 1.1366 | 84.2 | 84.2 | 0.2311 | 0.2311 | 84.19 | |
| PCB-48 | 25:40 | 2819975 | 0.80 | 0.9454 | 42.4 | 42.4 | 0.2778 | 0.2778 | 84.73 | |
| PCB-44 | 25:55 | 8988717 | 0.80 | 1.0323 | 123.7 | 123.7 | 0.2544 | 0.2544 | 82.45 | |
| PCB-47 (C44) | 25:55 | 8988717 | 0.80 | 1.0323 | 123.7 | 123.7 | 0.2544 | 0.2544 | 82.45 | |
| PCB-65 (C44) | 25:55 | 8988717 | 0.80 | 1.0323 | 123.7 | 123.7 | 0.2544 | 0.2544 | 82.45 | |
| PCB-59 | 26:12 | 11770719 | 0.80 | 1.3609 | 122.8 | 122.8 | 0.1930 | 0.1930 | 81.90 | |
| PCB-62 (C59) | 26:12 | 11770719 | 0.80 | 1.3609 | 122.8 | 122.8 | 0.1930 | 0.1930 | 81.90 | |
| PCB-75 (C59) | 26:12 | 11770719 | 0.80 | 1.3609 | 122.8 | 122.8 | 0.1930 | 0.1930 | 81.90 | |
| PCB-42 | 26:25 | 2616236 | 0.79 | 0.8670 | 42.9 | 42.9 | 0.3029 | 0.3029 | 85.71 | |
| PCB-40 | 26:55 | 8053583 | 0.79 | 0.9179 | 124.6 | 124.6 | 0.2861 | 0.2861 | 83.08 | Ma |
| PCB-41 (C40) | 26:55 | 8053583 | 0.79 | 0.9179 | 124.6 | 124.6 | 0.2861 | 0.2861 | 83.08 | Ma |
| PCB-71 (C40) | 26:55 | 8053583 | 0.79 | 0.9179 | 124.6 | 124.6 | 0.2861 | 0.2861 | 83.08 | Ma |
| PCB-64 | 27:08 | 4175989 | 0.80 | 1.4164 | 41.9 | 41.9 | 0.1854 | 0.1854 | 83.75 | |
| PCB-72 | 27:57 | 3999968 | 0.80 | 1.3157 | 43.2 | 43.2 | 0.1996 | 0.1996 | 86.36 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:15 | 4400748 | 0.79 | 1.4782 | 42.3 | 42.3 | 0.1777 | 0.1777 | 84.57 | |
| PCB-57 | 28:40 | 3827378 | 0.80 | 1.2817 | 42.4 | 42.4 | 0.2049 | 0.2049 | 84.83 | |
| PCB-58 | 28:55 | 4018530 | 0.80 | 1.3214 | 43.2 | 43.2 | 0.1988 | 0.1988 | 86.39 | |
| PCB-67 | 29:05 | 4154308 | 0.79 | 1.3944 | 42.3 | 42.3 | 0.1884 | 0.1884 | 84.63 | |
| PCB-63 | 29:21 | 4362957 | 0.79 | 1.4685 | 42.2 | 42.2 | 0.1789 | 0.1789 | 84.40 | |
| PCB-61 | 29:40 | 15663911 | 0.80 | 1.3565 | 164.0 | 164.0 | 0.1936 | 0.1936 | 82.00 | |
| PCB-70 (C61) | 29:40 | 15663911 | 0.80 | 1.3565 | 164.0 | 164.0 | 0.1936 | 0.1936 | 82.00 | |
| PCB-74 (C61) | 29:40 | 15663911 | 0.80 | 1.3565 | 164.0 | 164.0 | 0.1936 | 0.1936 | 82.00 | |
| PCB-76 (C61) | 29:40 | 15663911 | 0.80 | 1.3565 | 164.0 | 164.0 | 0.1936 | 0.1936 | 82.00 | |
| PCB-66 | 30:00 | 3850179 | 0.77 | 1.2800 | 42.7 | 42.7 | 0.2052 | 0.2052 | 85.45 | |
| PCB-55 | 30:10 | 3832820 | 0.80 | 1.2951 | 42.0 | 42.0 | 0.2028 | 0.2028 | 84.07 | |
| PCB-56 | 30:40 | 3672988 | 0.80 | 1.2671 | 41.2 | 41.2 | 0.2073 | 0.2073 | 82.34 | |
| PCB-60 | 30:53 | 3889929 | 0.80 | 1.3288 | 41.6 | 41.6 | 0.1977 | 0.1977 | 83.15 | |
| PCB-80 | 31:17 | 4426959 | 0.78 | 1.4694 | 42.8 | 42.8 | 0.1787 | 0.1787 | 85.58 | |
| PCB-79 | 32:49 | 4881577 | 0.79 | 1.5421 | 45.0 | 45.0 | 0.1703 | 0.1703 | 89.92 | |
| PCB-78 | 33:23 | 3978925 | 0.79 | 1.3150 | 43.0 | 43.0 | 0.1997 | 0.1997 | 85.95 | |
| PCB-81 | 33:49 | 4266089 | 0.79 | 1.3214 | 47.1 | 47.1 | 0.2035 | 0.2035 | 94.27 | |
| PCB-77 | 34:22 | 4437677 | 0.80 | 1.3308 | 46.1 | 46.1 | 0.1928 | 0.1928 | 92.22 | |
| S Total Pentachlorobiphen | | | | | 2147.9 | 2147.9 | 0.1593 | 0.1593 | | |
| D PCB-104L | 25:49 | 4951126 | 1.56 | 1.1164 | 109.8 | 109.8 | 0.006814 | 0.006814 | 110 | |
| $ PCB-95L | 28:47 | 1819043 | 1.62 | 0.7770 | 47.3 | 47.3 | 0.007497 | 0.007497 | 94.57 | |
| * PCB-101L | 31:43 | 4039902 | 1.60 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:24 | 2869842 | 1.59 | 1.2177 | 58.3 | 58.3 | 0.006247 | 0.006247 | 117 | |
| D PCB-123L | 36:22 | 6609877 | 1.60 | 0.9909 | 97.9 | 97.9 | 1.040 | 1.040 | 97.93 | |
| D PCB-118L | 36:42 | 6892213 | 1.62 | 1.0256 | 98.7 | 98.7 | 1.005 | 1.005 | 98.67 | |
| D PCB-114L | 37:13 | 6713571 | 1.62 | 1.0030 | 98.3 | 98.3 | 1.028 | 1.028 | 98.27 | |
| D PCB-105L | 37:51 | 6687145 | 1.56 | 1.0013 | 98.1 | 98.1 | 1.030 | 1.030 | 98.05 | |
| * PCB-127L | 39:20 | 6811157 | 1.59 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 40:57 | 6617569 | 1.57 | 0.9020 | 107.7 | 107.7 | 1.143 | 1.143 | 108 | |
| PCB-104 | 25:51 | 3182643 | 1.58 | 1.3926 | 46.2 | 46.2 | 0.0120 | 0.0120 | 92.32 | |
| PCB-96 | 26:13 | 2804053 | 1.59 | 1.2268 | 46.2 | 46.2 | 0.0136 | 0.0136 | 92.33 | |
| PCB-103 | 28:09 | 2374127 | 1.58 | 1.0331 | 46.4 | 46.4 | 0.0162 | 0.0162 | 92.83 | |
| PCB-94 | 28:22 | 2090593 | 1.62 | 0.9036 | 46.7 | 46.7 | 0.0185 | 0.0185 | 93.46 | |
| PCB-95 | 28:49 | 2227141 | 1.58 | 0.9620 | 46.8 | 46.8 | 0.0174 | 0.0174 | 93.51 | |
| PCB-93 | 29:02 | 4388979 | 1.60 | 0.9806 | 90.4 | 90.4 | 0.0170 | 0.0170 | 90.40 | |
| PCB-100 (C93) | 29:02 | 4388979 | 1.60 | 0.9806 | 90.4 | 90.4 | 0.0170 | 0.0170 | 90.40 | |
| PCB-98 | 29:11 | 4524406 | 1.56 | 0.9888 | 92.4 | 92.4 | 0.0169 | 0.0169 | 92.41 | M |
| PCB-102 (C98) | 29:11 | 4524406 | 1.56 | 0.9888 | 92.4 | 92.4 | 0.0169 | 0.0169 | 92.41 | M |
| PCB-88 | 29:40 | 4448913 | 1.59 | 1.0052 | 89.4 | 89.4 | 0.0166 | 0.0166 | 89.39 | Ma |
| PCB-91 (C88) | 29:40 | 4448913 | 1.59 | 1.0052 | 89.4 | 89.4 | 0.0166 | 0.0166 | 89.39 | Ma |
| PCB-84 | 29:53 | 1901862 | 1.60 | 0.8601 | 44.7 | 44.7 | 0.0194 | 0.0194 | 89.32 | |
| PCB-89 | 30:22 | 2049729 | 1.56 | 0.8936 | 46.3 | 46.3 | 0.0187 | 0.0187 | 92.66 | |
| PCB-121 | 30:48 | 3150735 | 1.61 | 1.3971 | 45.5 | 45.5 | 0.0119 | 0.0119 | 91.10 | |
| PCB-92 | 31:10 | 2196725 | 1.62 | 0.9532 | 46.5 | 46.5 | 0.0175 | 0.0175 | 93.09 | |
| PCB-90 | 31:44 | 7766093 | 1.58 | 1.1367 | 138.0 | 138.0 | 0.0147 | 0.0147 | 92.00 | |
| PCB-101 (C90) | 31:44 | 7766093 | 1.58 | 1.1367 | 138.0 | 138.0 | 0.0147 | 0.0147 | 92.00 | |
| PCB-113 (C90) | 31:44 | 7766093 | 1.58 | 1.1367 | 138.0 | 138.0 | 0.0147 | 0.0147 | 92.00 | |
| PCB-83 | 32:20 | 4500817 | 1.55 | 0.9393 | 96.8 | 96.8 | 0.0178 | 0.0178 | 96.78 | |
| PCB-99 (C83) | 32:20 | 4500817 | 1.55 | 0.9393 | 96.8 | 96.8 | 0.0178 | 0.0178 | 96.78 | |
| PCB-112 | 32:26 | 3119067 | 1.60 | 1.3672 | 46.1 | 46.1 | 0.0122 | 0.0122 | 92.15 | |
| PCB-86 | 32:49 | 16210146 | 1.60 | 1.1958 | 273.8 | 273.8 | 0.0140 | 0.0140 | 91.27 | Ma |
| PCB-87 (C86) | 32:49 | 16210146 | 1.60 | 1.1958 | 273.8 | 273.8 | 0.0140 | 0.0140 | 91.27 | Ma |
| PCB-97 (C86) | 32:49 | 16210146 | 1.60 | 1.1958 | 273.8 | 273.8 | 0.0140 | 0.0140 | 91.27 | Ma |
| PCB-109 (C86) | 32:49 | 16210146 | 1.60 | 1.1958 | 273.8 | 273.8 | 0.0140 | 0.0140 | 91.27 | Ma |
| PCB-119 (C86) | 32:49 | 16210146 | 1.60 | 1.1958 | 273.8 | 273.8 | 0.0140 | 0.0140 | 91.27 | Ma |
| PCB-125 (C86) | 32:49 | 16210146 | 1.60 | 1.1958 | 273.8 | 273.8 | 0.0140 | 0.0140 | 91.27 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:33 | 8605935 | 1.59 | 1.2126 | 143.3 | 143.3 | 0.0138 | 0.0138 | 95.56 | |
| PCB-116 (C85) | 33:33 | 8605935 | 1.59 | 1.2126 | 143.3 | 143.3 | 0.0138 | 0.0138 | 95.56 | |
| PCB-117 (C85) | 33:33 | 8605935 | 1.59 | 1.2126 | 143.3 | 143.3 | 0.0138 | 0.0138 | 95.56 | |
| PCB-110 | 33:47 | 6457888 | 1.58 | 1.3511 | 96.5 | 96.5 | 0.0124 | 0.0124 | 96.54 | |
| PCB-115 (C110) | 33:47 | 6457888 | 1.58 | 1.3511 | 96.5 | 96.5 | 0.0124 | 0.0124 | 96.54 | |
| PCB-82 | 34:02 | 2083616 | 1.60 | 0.8675 | 48.5 | 48.5 | 0.0192 | 0.0192 | 97.02 | |
| PCB-111 | 34:26 | 3516093 | 1.59 | 1.4262 | 49.8 | 49.8 | 0.0117 | 0.0117 | 99.59 | |
| PCB-120 | 34:53 | 3431011 | 1.58 | 1.4907 | 46.5 | 46.5 | 0.0112 | 0.0112 | 92.97 | |
| PCB-108 | 36:02 | 7708192 | 1.58 | 1.2547 | 91.6 | 91.6 | 0.4768 | 0.4768 | 91.64 | |
| PCB-124 (C108) | 36:02 | 7708192 | 1.58 | 1.2547 | 91.6 | 91.6 | 0.4768 | 0.4768 | 91.64 | |
| PCB-107 | 36:16 | 4356552 | 1.56 | 1.3580 | 47.9 | 47.9 | 0.4405 | 0.4405 | 95.71 | |
| PCB-123 | 36:23 | 4285506 | 1.58 | 1.3407 | 48.4 | 48.4 | 0.4429 | 0.4429 | 96.72 | |
| PCB-106 | 36:30 | 3890872 | 1.59 | 1.2749 | 45.5 | 45.5 | 0.4692 | 0.4692 | 91.05 | |
| PCB-118 | 36:42 | 4321496 | 1.59 | 1.2892 | 48.6 | 48.6 | 0.4494 | 0.4494 | 97.27 | |
| PCB-122 | 37:04 | 3671770 | 1.59 | 1.1614 | 47.2 | 47.2 | 0.5151 | 0.5151 | 94.32 | |
| PCB-114 | 37:15 | 4471895 | 1.59 | 1.4051 | 47.4 | 47.4 | 0.4212 | 0.4212 | 94.81 | |
| PCB-105 | 37:53 | 4092846 | 1.60 | 1.2887 | 47.5 | 47.5 | 0.4666 | 0.4666 | 94.98 | |
| PCB-127 | 39:22 | 4254135 | 1.59 | 1.2841 | 49.4 | 49.4 | 0.4658 | 0.4658 | 98.83 | |
| PCB-126 | 40:58 | 4228150 | 1.60 | 1.3416 | 47.6 | 47.6 | 0.4672 | 0.4672 | 95.25 | |
| S Total Hexachlorobipheny | | | | | 1840.9 | 1840.9 | 0.1327 | 0.1327 | | |
| D PCB-155L | 31:30 | 4882147 | 1.27 | 0.9499 | 127.2 | 127.2 | 0.0206 | 0.0206 | 127 | |
| $ PCB-153L | 38:35 | 2520562 | 1.28 | 0.9597 | 42.0 | 42.0 | 0.5634 | 0.5634 | 83.94 | |
| * PCB-138L | 39:48 | 4894145 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:49 | 6345755 | 1.27 | 1.2544 | 103.4 | 103.4 | 0.4481 | 0.4481 | 103 | |
| D PCB-156L | 43:58 | 12402202 | 1.26 | 1.2289 | 206.2 | 206.2 | 0.4574 | 0.4574 | 103 | |
| D PCB-157L (C156L) | 43:58 | 12402202 | 1.26 | 1.2289 | 206.2 | 206.2 | 0.4574 | 0.4574 | 103 | |
| D PCB-169L | 47:12 | 6282381 | 1.29 | 1.0883 | 117.9 | 117.9 | 0.5164 | 0.5164 | 118 | |
| PCB-155 | 31:32 | 2842349 | 1.27 | 1.3028 | 44.7 | 44.7 | 0.007958 | 0.007958 | 89.37 | |
| PCB-152 | 31:43 | 2700163 | 1.28 | 1.2556 | 44.0 | 44.0 | 0.008257 | 0.008257 | 88.09 | |
| PCB-150 | 31:53 | 2709988 | 1.28 | 1.2368 | 44.9 | 44.9 | 0.008382 | 0.008382 | 89.76 | |
| PCB-136 | 32:14 | 2537683 | 1.28 | 1.1563 | 45.0 | 45.0 | 0.008966 | 0.008966 | 89.91 | |
| PCB-145 | 32:32 | 2614030 | 1.25 | 1.1910 | 45.0 | 45.0 | 0.008705 | 0.008705 | 89.91 | |
| PCB-148 | 34:04 | 1995649 | 1.28 | 0.8982 | 45.5 | 45.5 | 0.0115 | 0.0115 | 91.02 | |
| PCB-135 | 34:38 | 3798238 | 1.25 | 0.8691 | 89.5 | 89.5 | 0.0119 | 0.0119 | 89.51 | Ma |
| PCB-151 (C135) | 34:38 | 3798238 | 1.25 | 0.8691 | 89.5 | 89.5 | 0.0119 | 0.0119 | 89.51 | Ma |
| PCB-154 | 34:54 | 2198149 | 1.28 | 1.0180 | 44.2 | 44.2 | 0.0102 | 0.0102 | 88.46 | |
| PCB-144 | 35:12 | 1993936 | 1.27 | 0.9185 | 44.5 | 44.5 | 0.0113 | 0.0113 | 88.93 | |
| PCB-147 | 35:34 | 5157969 | 1.25 | 0.9747 | 84.6 | 84.6 | 0.1986 | 0.1986 | 84.57 | |
| PCB-149 (C147) | 35:34 | 5157969 | 1.25 | 0.9747 | 84.6 | 84.6 | 0.1986 | 0.1986 | 84.57 | |
| PCB-134 | 35:52 | 4600977 | 1.25 | 0.8518 | 86.3 | 86.3 | 0.2272 | 0.2272 | 86.32 | |
| PCB-143 (C134) | 35:52 | 4600977 | 1.25 | 0.8518 | 86.3 | 86.3 | 0.2272 | 0.2272 | 86.32 | |
| PCB-139 | 36:10 | 5306212 | 1.25 | 0.9995 | 84.8 | 84.8 | 0.1937 | 0.1937 | 84.84 | |
| PCB-140 (C139) | 36:10 | 5306212 | 1.25 | 0.9995 | 84.8 | 84.8 | 0.1937 | 0.1937 | 84.84 | |
| PCB-131 | 36:22 | 2332941 | 1.25 | 0.8584 | 43.4 | 43.4 | 0.2255 | 0.2255 | 86.86 | |
| PCB-142 | 36:31 | 2331828 | 1.25 | 0.8597 | 43.3 | 43.3 | 0.2251 | 0.2251 | 86.69 | |
| PCB-132 | 36:50 | 2354105 | 1.23 | 0.8801 | 42.7 | 42.7 | 0.2199 | 0.2199 | 85.49 | |
| PCB-133 | 37:20 | 2481067 | 1.26 | 0.9064 | 43.7 | 43.7 | 0.2135 | 0.2135 | 87.49 | |
| PCB-165 | 37:44 | 3082262 | 1.24 | 1.1210 | 43.9 | 43.9 | 0.1727 | 0.1727 | 87.88 | |
| PCB-146 | 37:59 | 2702898 | 1.23 | 1.0084 | 42.8 | 42.8 | 0.1920 | 0.1920 | 85.67 | |
| PCB-161 | 38:07 | 3581896 | 1.27 | 1.3370 | 42.8 | 42.8 | 0.1448 | 0.1448 | 85.63 | |
| PCB-153 | 38:38 | 6568203 | 1.24 | 1.2207 | 86.0 | 86.0 | 0.1586 | 0.1586 | 85.99 | |
| PCB-168 (C153) | 38:38 | 6568203 | 1.24 | 1.2207 | 86.0 | 86.0 | 0.1586 | 0.1586 | 85.99 | |
| PCB-141 | 38:47 | 2583101 | 1.26 | 0.9608 | 43.0 | 43.0 | 0.2015 | 0.2015 | 85.93 | |
| PCB-130 | 39:11 | 2236352 | 1.25 | 0.8274 | 43.2 | 43.2 | 0.2339 | 0.2339 | 86.38 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:25 | 2876778 | 1.24 | 1.0582 | 43.4 | 43.4 | 0.1829 | 0.1829 | 86.88 | |
| PCB-164 | 39:32 | 3307943 | 1.27 | 1.2527 | 42.2 | 42.2 | 0.1545 | 0.1545 | 84.40 | |
| PCB-129 | 39:51 | 11692799 | 1.24 | 1.0840 | 172.4 | 172.4 | 0.1786 | 0.1786 | 86.19 | Ma |
| PCB-138 (C129) | 39:51 | 11692799 | 1.24 | 1.0840 | 172.4 | 172.4 | 0.1786 | 0.1786 | 86.19 | Ma |
| PCB-160 (C129) | 39:51 | 11692799 | 1.24 | 1.0840 | 172.4 | 172.4 | 0.1786 | 0.1786 | 86.19 | Ma |
| PCB-163 (C129) | 39:51 | 11692799 | 1.24 | 1.0840 | 172.4 | 172.4 | 0.1786 | 0.1786 | 86.19 | Ma |
| PCB-158 | 40:13 | 3795140 | 1.27 | 1.3862 | 43.8 | 43.8 | 0.1396 | 0.1396 | 87.50 | |
| PCB-128 | 41:04 | 6037239 | 1.25 | 1.1165 | 86.4 | 86.4 | 0.1734 | 0.1734 | 86.41 | |
| PCB-166 (C128) | 41:04 | 6037239 | 1.25 | 1.1165 | 86.4 | 86.4 | 0.1734 | 0.1734 | 86.41 | |
| PCB-159 | 42:05 | 3623369 | 1.26 | 1.3178 | 43.9 | 43.9 | 0.1469 | 0.1469 | 87.88 | |
| PCB-162 | 42:22 | 3774544 | 1.25 | 1.3623 | 44.3 | 44.3 | 0.1421 | 0.1421 | 88.56 | |
| PCB-167 | 42:51 | 3914742 | 1.24 | 1.3357 | 46.2 | 46.2 | 0.1210 | 0.1210 | 92.38 | |
| PCB-156 | 43:59 | 7370482 | 1.25 | 1.2759 | 93.2 | 93.2 | 0.1850 | 0.1850 | 93.16 | |
| PCB-157 (C156) | 43:59 | 7370482 | 1.25 | 1.2759 | 93.2 | 93.2 | 0.1850 | 0.1850 | 93.16 | |
| PCB-169 | 47:13 | 3801459 | 1.26 | 1.2825 | 47.2 | 47.2 | 0.1299 | 0.1299 | 94.36 | |
| S Total Heptachlorobiphen | | | | | 1147.8 | 1147.8 | 0.0110 | 0.0110 | | |
| D PCB-188L | 37:14 | 5596727 | 1.06 | 1.3162 | 99.2 | 99.2 | 0.0505 | 0.0505 | 99.25 | |
| $ PCB-178L | 40:17 | 2073472 | 1.07 | 0.9222 | 52.5 | 52.5 | 0.0721 | 0.0721 | 105 | |
| * PCB-180L | 45:22 | 4284541 | 1.05 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:37 | 3501851 | 1.05 | 0.8357 | 97.8 | 97.8 | 0.0796 | 0.0796 | 97.80 | |
| D PCB-189L | 49:44 | 7824375 | 1.06 | 1.4666 | 103.0 | 103.0 | 0.2090 | 0.2090 | 103 | |
| PCB-188 | 37:15 | 3229000 | 1.05 | 1.2502 | 46.1 | 46.1 | 0.006551 | 0.006551 | 92.30 | |
| PCB-179 | 37:35 | 2986872 | 1.05 | 1.4149 | 46.4 | 46.4 | 0.007338 | 0.007338 | 92.81 | |
| PCB-184 | 38:07 | 2923173 | 1.06 | 1.4191 | 45.3 | 45.3 | 0.007316 | 0.007316 | 90.56 | |
| PCB-176 | 38:28 | 3264251 | 1.05 | 1.5212 | 47.2 | 47.2 | 0.006825 | 0.006825 | 94.34 | |
| PCB-186 | 38:55 | 3053070 | 1.07 | 1.4350 | 46.8 | 46.8 | 0.007235 | 0.007235 | 93.53 | |
| PCB-178 | 40:18 | 2218538 | 1.05 | 1.0228 | 47.7 | 47.7 | 0.0102 | 0.0102 | 95.36 | |
| PCB-175 | 40:56 | 2292164 | 1.05 | 1.0690 | 47.1 | 47.1 | 0.009712 | 0.009712 | 94.27 | |
| PCB-187 | 41:12 | 2412414 | 1.05 | 1.1106 | 47.7 | 47.7 | 0.009348 | 0.009348 | 95.50 | |
| PCB-182 | 41:25 | 2482559 | 1.05 | 1.1484 | 47.5 | 47.5 | 0.009041 | 0.009041 | 95.04 | |
| PCB-183 | 41:49 | 4820982 | 1.05 | 1.1368 | 93.2 | 93.2 | 0.009132 | 0.009132 | 93.22 | Ma |
| PCB-185 (C183) | 41:49 | 4820982 | 1.05 | 1.1368 | 93.2 | 93.2 | 0.009132 | 0.009132 | 93.22 | Ma |
| PCB-174 | 42:03 | 2114689 | 1.05 | 0.9547 | 48.7 | 48.7 | 0.0109 | 0.0109 | 97.38 | |
| PCB-177 | 42:29 | 2089898 | 1.06 | 0.9426 | 48.7 | 48.7 | 0.0110 | 0.0110 | 97.48 | |
| PCB-181 | 42:53 | 2385812 | 1.05 | 1.1075 | 47.4 | 47.4 | 0.009374 | 0.009374 | 94.71 | |
| PCB-171 | 43:06 | 4159208 | 1.06 | 0.9603 | 95.2 | 95.2 | 0.0108 | 0.0108 | 95.20 | |
| PCB-173 (C171) | 43:06 | 4159208 | 1.06 | 0.9603 | 95.2 | 95.2 | 0.0108 | 0.0108 | 95.20 | |
| PCB-172 | 44:45 | 2187321 | 1.05 | 0.9918 | 48.5 | 48.5 | 0.0105 | 0.0105 | 96.96 | |
| PCB-192 | 45:01 | 2935358 | 1.05 | 1.2904 | 50.0 | 50.0 | 0.008046 | 0.008046 | 100 | |
| PCB-180 | 45:21 | 5481764 | 1.06 | 1.2286 | 98.1 | 98.1 | 0.008450 | 0.008450 | 98.08 | |
| PCB-193 (C180) | 45:21 | 5481764 | 1.06 | 1.2286 | 98.1 | 98.1 | 0.008450 | 0.008450 | 98.08 | |
| PCB-191 | 45:44 | 3107294 | 1.07 | 1.3848 | 49.3 | 49.3 | 0.007497 | 0.007497 | 98.64 | |
| PCB-170 | 46:39 | 2219260 | 1.05 | 1.2700 | 49.9 | 49.9 | 0.0112 | 0.0112 | 99.80 | |
| PCB-190 | 47:10 | 3051017 | 1.06 | 1.3774 | 48.7 | 48.7 | 0.007537 | 0.007537 | 97.38 | |
| PCB-189 | 49:46 | 4834445 | 1.07 | 1.2799 | 48.3 | 48.3 | 0.0526 | 0.0526 | 96.55 | |
| S Total Octachlorobipheny | | | | | 558.8 | 558.8 | 0.2006 | 0.2006 | | |
| D PCB-202L | 42:36 | 4736424 | 0.91 | 1.0055 | 109.9 | 109.9 | 0.0449 | 0.0449 | 110 | |
| * PCB-194L | 51:51 | 5181125 | 0.90 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:20 | 6295550 | 0.92 | 1.2867 | 94.4 | 94.4 | 0.0925 | 0.0925 | 94.43 | |
| PCB-202 | 42:37 | 2290470 | 0.91 | 1.0531 | 45.9 | 45.9 | 0.0132 | 0.0132 | 91.84 | |
| PCB-201 | 43:33 | 2570741 | 0.92 | 1.1860 | 45.8 | 45.8 | 0.0118 | 0.0118 | 91.53 | |
| PCB-204 | 44:13 | 2412125 | 0.91 | 1.1009 | 46.3 | 46.3 | 0.0127 | 0.0127 | 92.52 | |
| PCB-197 | 44:27 | 2628759 | 0.90 | 1.2053 | 46.0 | 46.0 | 0.0116 | 0.0116 | 92.10 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:33 | 2442708 | 0.91 | 1.1260 | 45.8 | 45.8 | 0.0124 | 0.0124 | 91.60 | |
| PCB-198 | 47:20 | 3562400 | 0.90 | 0.8183 | 91.9 | 91.9 | 0.0170 | 0.0170 | 91.92 | |
| PCB-199 (C198) | 47:20 | 3562400 | 0.90 | 0.8183 | 91.9 | 91.9 | 0.0170 | 0.0170 | 91.92 | |
| PCB-196 | 48:01 | 1913206 | 0.90 | 0.8748 | 46.2 | 46.2 | 0.0159 | 0.0159 | 92.35 | |
| PCB-203 | 48:13 | 2034272 | 0.91 | 0.9219 | 46.6 | 46.6 | 0.0151 | 0.0151 | 93.18 | |
| PCB-195 | 49:32 | 2433163 | 0.89 | 0.7839 | 49.3 | 49.3 | 0.8458 | 0.8458 | 98.61 | |
| PCB-194 | 51:52 | 2803071 | 0.90 | 0.9282 | 48.0 | 48.0 | 0.7143 | 0.7143 | 95.94 | |
| PCB-205 | 52:21 | 3654648 | 0.91 | 1.2342 | 47.0 | 47.0 | 0.5372 | 0.5372 | 94.07 | |
| S Total Nonachlorobipheny | | | | | 139.1 | 139.1 | 0.0658 | 0.0658 | | |
| D PCB-208L | 49:17 | 5588440 | 0.81 | 1.1383 | 94.8 | 94.8 | 0.1459 | 0.1459 | 94.76 | |
| D PCB-206L | 54:05 | 4282846 | 0.81 | 0.8938 | 92.5 | 92.5 | 0.1858 | 0.1858 | 92.48 | |
| PCB-208 | 49:18 | 3009893 | 0.79 | 1.1567 | 46.6 | 46.6 | 0.0608 | 0.0608 | 93.12 | |
| PCB-207 | 50:14 | 3208383 | 0.78 | 1.3964 | 46.6 | 46.6 | 0.0577 | 0.0577 | 93.10 | |
| PCB-206 | 54:06 | 2348510 | 0.79 | 1.1927 | 46.0 | 46.0 | 0.0789 | 0.0789 | 91.95 | |
| D PCB-209L | 55:44 | 4704202 | 0.72 | 0.9809 | 92.6 | 92.6 | 0.0475 | 0.0475 | 92.57 | |
| DCB Decachlorobiphenyl | 55:45 | 2707579 | 0.70 | 1.2455 | 46.2 | 46.2 | 0.0127 | 0.0127 | 92.42 | |
| S Polychlorinated bipheny | | | | | 9283.2 | 9283.2 | 0.1132 | 0.1132 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 03-Oct-2019 11:24:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013282-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 12:36:24 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0323

First Level Reviewer: nordquistj Date: 03-Oct-2019 12:34:43

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:44 | 11:44 | 0 | 0.728 | 5487525 | 2089578 | 1488 | 3720 | 1404 | | |
| 202.0766 | 11:44 | 11:44 | 0 | 0.728 | 1802494 | 698278 | 925 | 2312 | 755 | 3.04(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:54 | 13:54 | 0 | 0.862 | 5811882 | 1973454 | 1488 | 3720 | 1326 | | |
| 202.0766 | 13:54 | 13:54 | 0 | 0.862 | 1910547 | 635726 | 925 | 2312 | 687 | 3.04(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:45 | 11:45 | 0 | 1.001 | 3048885 | 1204572 | 1209 | 3022 | 996 | | |
| 190.0363 | 11:45 | 11:45 | 0 | 1.001 | 997744 | 401076 | 501 | 1252 | 801 | 3.06(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:44 | 13:44 | 0 | 0.989 | 3163287 | 1097494 | 1209 | 3022 | 908 | | |
| 190.0363 | 13:44 | 13:44 | 0 | 0.989 | 1003421 | 344475 | 501 | 1252 | 688 | 3.15(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:55 | 13:55 | 0 | 1.001 | 3222685 | 1078048 | 1209 | 3022 | 892 | | |
| 190.0363 | 13:55 | 13:55 | 0 | 1.001 | 1040010 | 345920 | 501 | 1252 | 690 | 3.10(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:10 | 0 | 0.878 | 2351856 | 763264 | 482 | 1205 | 1584 | | |
| 236.0376 | 14:10 | 14:10 | 0 | 0.878 | 1446000 | 477679 | 121 | 302 | 3948 | 1.63(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:07 | 16:07 | 0 | | 3857746 | 1132972 | 482 | 1205 | 2351 | | |
| 236.0376 | 16:07 | 16:07 | 0 | | 2372042 | 707386 | 121 | 302 | 5846 | 1.63(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 16:57 | 16:57 | 0 | 1.197 | 1864930 | 540954 | 482 | 1205 | 1122 | | |
| 236.0376 | 16:57 | 16:57 | 0 | 1.197 | 1185003 | 337209 | 121 | 302 | 2787 | 1.57(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:01 | 20:01 | 0 | 1.242 | 4204559 | 1083171 | 482 | 1205 | 2247 | | |
| 236.0376 | 20:01 | 20:01 | 0 | 1.242 | 2580805 | 663830 | 121 | 302 | 5486 | 1.63(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:10 | 14:10 | 0 | 1.001 | 1354531 | 457564 | 100 | 250 | 4576 | | |
| 223.9974 | 14:10 | 14:10 | 0 | 1.001 | 843007 | 283841 | 71 | 177 | 3998 | 1.61(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:21 | 14:21 | 0 | 1.013 | 2159316 | 723692 | 100 | 250 | 7237 | | |
| 223.9974 | 14:21 | 14:21 | 0 | 1.013 | 1361406 | 455497 | 71 | 177 | 6415 | 1.59(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:08 | 16:08 | 0 | 1.140 | 2064831 | 632314 | 100 | 250 | 6323 | | |
| 223.9974 | 16:08 | 16:08 | 0 | 1.140 | 1313263 | 400849 | 71 | 177 | 5646 | 1.57(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:18 | 16:18 | 0 | 1.152 | 2352999 | 678430 | 100 | 250 | 6784 | | |
| 223.9974 | 16:17 | 16:18 | -1 | 1.151 | 1487940 | 435000 | 71 | 177 | 6127 | 1.58(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:32 | 16:32 | 0 | 1.168 | 2213109 | 645361 | 100 | 250 | 6454 | | |
| 223.9974 | 16:32 | 16:32 | 0 | 1.168 | 1378937 | 403924 | 71 | 177 | 5689 | 1.60(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:50 | 16:50 | 0 | 1.189 | 2245179 | 660794 | 100 | 250 | 6608 | | |
| 223.9974 | 16:50 | 16:50 | 0 | 1.189 | 1412077 | 418357 | 71 | 177 | 5892 | 1.59(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:58 | 16:58 | 0 | 1.199 | 2313418 | 653612 | 100 | 250 | 6536 | | |
| 223.9974 | 16:58 | 16:58 | 0 | 1.199 | 1440303 | 407356 | 71 | 177 | 5737 | 1.61(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:35 | 18:35 | 0 | 0.928 | 2652467 | 703348 | 100 | 250 | 7033 | | |
| 223.9974 | 18:35 | 18:35 | 0 | 0.928 | 1673650 | 447974 | 71 | 177 | 6309 | 1.58(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:25 | 19:25 | 0 | 0.970 | 2273791 | 593878 | 100 | 250 | 5939 | | |
| 223.9974 | 19:25 | 19:25 | 0 | 0.970 | 1421597 | 374467 | 71 | 177 | 5274 | 1.60(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:45 | 0 | 0.986 | 4689130 | 730457 | 100 | 250 | 7305 | | |
| 223.9974 | 19:44 | 19:45 | -1 | 0.986 | 2948179 | 463512 | 71 | 177 | 6528 | 1.59(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:45 | 19:45 | 0 | 0.986 | 4689130 | 730457 | 100 | 250 | 7305 | | |
| 223.9974 | 19:44 | 19:45 | -1 | 0.986 | 2948179 | 463512 | 71 | 177 | 6528 | 1.59(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:02 | 20:02 | 0 | 1.001 | 2511165 | 613012 | 100 | 250 | 6130 | | |
| 223.9974 | 20:02 | 20:02 | 0 | 1.001 | 1594795 | 388902 | 71 | 177 | 5477 | 1.57(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:15 | 17:15 | 0 | 0.842 | 1481468 | 429711 | 420 | 1050 | 1023 | | |
| 269.9986 | 17:15 | 17:15 | 0 | 0.842 | 1388467 | 393692 | 359 | 897 | 1097 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:29 | 20:29 | 0 | | 2369817 | 596204 | 420 | 1050 | 1420 | | |
| 269.9986 | 20:30 | 20:29 | 1 | | 2197736 | 558047 | 359 | 897 | 1554 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:45 | 22:45 | 0 | | 4729606 | 1146796 | 1043 | 2607 | 1100 | | |
| 269.9986 | 22:45 | 22:45 | 0 | | 4455698 | 1062614 | 768 | 1920 | 1384 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:03 | 23:03 | 0 | 1.013 | 2535951 | 610202 | 1043 | 2607 | 585 | | |
| 269.9986 | 23:03 | 23:03 | 0 | 1.013 | 2377161 | 558671 | 768 | 1920 | 727 | 1.07(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:03 | 27:03 | 0 | 1.189 | 4519998 | 964454 | 1043 | 2607 | 925 | | |
| 269.9986 | 27:03 | 27:03 | 0 | 1.189 | 4176488 | 915656 | 768 | 1920 | 1192 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:16 | 17:16 | 0 | 1.002 | 854441 | 242696 | 39 | 97 | 6223 | | |
| 257.9584 | 17:16 | 17:16 | 0 | 1.002 | 811316 | 227626 | 46 | 115 | 4948 | 1.05(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:06 | 19:06 | 0 | 1.108 | 2310724 | 502399 | 39 | 97 | 12882 | | |
| 257.9584 | 19:06 | 19:06 | 0 | 1.108 | 2170733 | 472932 | 46 | 115 | 10281 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:06 | 19:06 | 0 | 1.108 | 2310724 | 502399 | 39 | 97 | 12882 | | |
| 257.9584 | 19:06 | 19:06 | 0 | 1.108 | 2170733 | 472932 | 46 | 115 | 10281 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:33 | 19:33 | 0 | 1.133 | 988519 | 261416 | 39 | 97 | 6703 | | |
| 257.9584 | 19:33 | 19:33 | 0 | 1.133 | 929588 | 244506 | 46 | 115 | 5315 | 1.06(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:45 | 19:45 | 0 | 1.146 | 1369096 | 363448 | 39 | 97 | 9319 | | |
| 257.9584 | 19:45 | 19:45 | 0 | 1.146 | 1284945 | 336209 | 46 | 115 | 7309 | 1.07(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:53 | 19:53 | 0 | 1.153 | 1304558 | 347579 | 39 | 97 | 8912 | | |
| 257.9584 | 19:53 | 19:53 | 0 | 1.153 | 1222715 | 326782 | 46 | 115 | 7104 | 1.07(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:00 | 20:00 | 0 | 1.160 | 812152 | 201716 | 39 | 97 | 5172 | | |
| 257.9584 | 20:00 | 20:00 | 0 | 1.160 | 741047 | 184995 | 46 | 115 | 4022 | 1.10(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:31 | 20:31 | 0 | 1.190 | 1479922 | 381350 | 39 | 97 | 9778 | | |
| 257.9584 | 20:31 | 20:31 | 0 | 1.190 | 1398050 | 361965 | 46 | 115 | 7869 | 1.06(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:47 | 21:47 | 0 | 1.263 | 2616740 | 658034 | 1490 | 3725 | 442 | | |
| 257.9584 | 21:47 | 21:47 | 0 | 1.263 | 2418404 | 612247 | 1454 | 3635 | 421 | 1.08(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:56 | 21:56 | 0 | 1.272 | 2690975 | 649736 | 1490 | 3725 | 436 | | |
| 257.9584 | 21:55 | 21:56 | -1 | 1.271 | 2472662 | 607125 | 1454 | 3635 | 418 | 1.09(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:15 | 22:15 | 0 | 1.290 | 5381096 | 1026101 | 1490 | 3725 | 689 | | |
| 257.9584 | 22:14 | 22:15 | -1 | 1.289 | 4987966 | 957521 | 1454 | 3635 | 659 | 1.08(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:15 | 22:15 | 0 | 1.290 | 5381096 | 1026101 | 1490 | 3725 | 689 | | |
| 257.9584 | 22:14 | 22:15 | -1 | 1.289 | 4987966 | 957521 | 1454 | 3635 | 659 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:28 | 22:28 | 0 | 0.831 | 2812474 | 639885 | 1490 | 3725 | 429 | | |
| 257.9584 | 22:28 | 22:28 | 0 | 0.831 | 2578451 | 602143 | 1454 | 3635 | 414 | 1.09(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:46 | 22:46 | 0 | 0.842 | 2874732 | 702938 | 1490 | 3725 | 472 | | |
| 257.9584 | 22:46 | 22:46 | 0 | 0.842 | 2684176 | 667045 | 1454 | 3635 | 459 | 1.07(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:04 | 0 | 0.853 | 5276730 | 1066623 | 1490 | 3725 | 716 | | |
| 257.9584 | 23:04 | 23:04 | 0 | 0.853 | 4902552 | 997861 | 1454 | 3635 | 686 | 1.08(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:04 | 23:04 | 0 | 0.853 | 5276730 | 1066623 | 1490 | 3725 | 716 | | |
| 257.9584 | 23:04 | 23:04 | 0 | 0.853 | 4902552 | 997861 | 1454 | 3635 | 686 | 1.08(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:18 | 23:18 | 0 | 0.862 | 5605120 | 733230 | 1490 | 3725 | 492 | | |
| 257.9584 | 23:18 | 23:18 | 0 | 0.862 | 5223026 | 676165 | 1454 | 3635 | 465 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:18 | 23:18 | 0 | 0.862 | 5605120 | 733230 | 1490 | 3725 | 492 | | |
| 257.9584 | 23:18 | 23:18 | 0 | 0.862 | 5223026 | 676165 | 1454 | 3635 | 465 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:42 | 23:42 | 0 | 0.876 | 2620988 | 619537 | 1490 | 3725 | 416 | | |
| 257.9584 | 23:42 | 23:42 | 0 | 0.876 | 2389876 | 570236 | 1454 | 3635 | 392 | 1.10(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:15 | 25:15 | 0 | 0.934 | 2949974 | 641389 | 1490 | 3725 | 430 | | |
| 257.9584 | 25:15 | 25:15 | 0 | 0.934 | 2728019 | 596392 | 1454 | 3635 | 410 | 1.08(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:36 | 25:36 | 0 | 0.947 | 2940456 | 647063 | 1490 | 3725 | 434 | | |
| 257.9584 | 25:36 | 25:36 | 0 | 0.947 | 2734659 | 606045 | 1454 | 3635 | 417 | 1.08(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:11 | 26:11 | 0 | 0.968 | 2720178 | 613425 | 1490 | 3725 | 412 | | |
| 257.9584 | 26:11 | 26:11 | 0 | 0.968 | 2512407 | 573147 | 1454 | 3635 | 394 | 1.08(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:39 | 26:39 | 0 | 0.985 | 2704423 | 570242 | 1490 | 3725 | 383 | | |
| 257.9584 | 26:39 | 26:39 | 0 | 0.985 | 2480505 | 534523 | 1454 | 3635 | 368 | 1.09(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:03 | 27:03 | 0 | 1.000 | 2799702 | 597240 | 1490 | 3725 | 401 | | |
| 257.9584 | 27:03 | 27:03 | 0 | 1.000 | 2582628 | 563032 | 1454 | 3635 | 387 | 1.08(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:19 | 20:19 | 0 | 0.817 | 1306488 | 329732 | 71 | 177 | 4644 | | |
| 303.9597 | 20:19 | 20:19 | 0 | 0.817 | 1605580 | 415050 | 22 | 55 | 18866 | 0.81(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:53 | 24:53 | 0 | | 2216639 | 512266 | 598 | 1495 | 857 | | |
| 303.9597 | 24:53 | 24:53 | 0 | | 2786911 | 640248 | 1043 | 2607 | 614 | 0.80(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:47 | 32:47 | 0 | 0.971 | 1519479 | 319475 | 598 | 1495 | 534 | | |
| 303.9597 | 32:47 | 32:47 | 0 | 0.971 | 1931363 | 416215 | 1043 | 2607 | 399 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:47 | 33:47 | 0 | 1.358 | 3056289 | 648803 | 598 | 1495 | 1085 | | |
| 303.9597 | 33:47 | 33:47 | 0 | 1.358 | 3793161 | 790834 | 1043 | 2607 | 758 | 0.81(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:21 | 34:21 | 0 | 1.381 | 3244514 | 668640 | 598 | 1495 | 1118 | | |
| 303.9597 | 34:21 | 34:21 | 0 | 1.381 | 3987553 | 840154 | 1043 | 2607 | 806 | 0.81(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:21 | 20:21 | 0 | 1.000 | 767676 | 196353 | 26 | 65 | 7552 | | |
| 291.9194 | 20:21 | 20:21 | 0 | 1.000 | 952396 | 246767 | 32 | 80 | 7711 | 0.81(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:31 | 0 | 1.108 | 2531530 | 482868 | 680 | 1700 | 710 | | |
| 291.9194 | 22:31 | 22:31 | 0 | 1.108 | 3170769 | 600810 | 869 | 2172 | 691 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:31 | 0 | 1.108 | 2531530 | 482868 | 680 | 1700 | 710 | | |
| 291.9194 | 22:31 | 22:31 | 0 | 1.108 | 3170769 | 600810 | 869 | 2172 | 691 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:15 | 23:15 | 0 | 1.144 | 2360347 | 303147 | 680 | 1700 | 446 | | M |
| 291.9194 | 23:15 | 23:15 | 0 | 1.144 | 2962490 | 380854 | 869 | 2172 | 438 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:15 | 23:15 | 0 | 1.144 | 2360347 | 303147 | 680 | 1700 | 446 | | M |
| 291.9194 | 23:15 | 23:15 | 0 | 1.144 | 2962490 | 380854 | 869 | 2172 | 438 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:29 | 23:29 | 0 | 1.156 | 1025150 | 253084 | 680 | 1700 | 372 | | |
| 291.9194 | 23:29 | 23:29 | 0 | 1.156 | 1296741 | 313981 | 869 | 2172 | 361 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:54 | 24:54 | 0 | 1.225 | 1226051 | 290164 | 680 | 1700 | 427 | | |
| 291.9194 | 24:54 | 24:54 | 0 | 1.225 | 1543682 | 365698 | 869 | 2172 | 421 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:03 | 25:03 | 0 | 1.233 | 2683899 | 382589 | 680 | 1700 | 563 | | M |
| 291.9194 | 25:03 | 25:03 | 0 | 1.233 | 3382769 | 478399 | 869 | 2172 | 551 | 0.79(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:03 | 25:03 | 0 | 1.233 | 2683899 | 382589 | 680 | 1700 | 563 | | M |
| 291.9194 | 25:03 | 25:03 | 0 | 1.233 | 3382769 | 478399 | 869 | 2172 | 551 | 0.79(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:21 | 25:21 | 0 | 1.248 | 2992682 | 471223 | 680 | 1700 | 693 | | |
| 291.9194 | 25:21 | 25:21 | 0 | 1.248 | 3744855 | 588519 | 869 | 2172 | 677 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:21 | 25:21 | 0 | 1.248 | 2992682 | 471223 | 680 | 1700 | 693 | | |
| 291.9194 | 25:21 | 25:21 | 0 | 1.248 | 3744855 | 588519 | 869 | 2172 | 677 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:40 | 25:40 | 0 | 1.264 | 1250456 | 290881 | 680 | 1700 | 428 | | |
| 291.9194 | 25:40 | 25:40 | 0 | 1.264 | 1569519 | 369099 | 869 | 2172 | 425 | 0.80(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:55 | 0 | 1.275 | 3997303 | 700393 | 680 | 1700 | 1030 | | |
| 291.9194 | 25:55 | 25:55 | 0 | 1.275 | 4991414 | 875699 | 869 | 2172 | 1008 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:55 | 0 | 1.275 | 3997303 | 700393 | 680 | 1700 | 1030 | | |
| 291.9194 | 25:55 | 25:55 | 0 | 1.275 | 4991414 | 875699 | 869 | 2172 | 1008 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:55 | 25:55 | 0 | 1.275 | 3997303 | 700393 | 680 | 1700 | 1030 | | |
| 291.9194 | 25:55 | 25:55 | 0 | 1.275 | 4991414 | 875699 | 869 | 2172 | 1008 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:12 | 26:12 | 0 | 1.290 | 5215459 | 788373 | 680 | 1700 | 1159 | | |
| 291.9194 | 26:12 | 26:12 | 0 | 1.290 | 6555260 | 982626 | 869 | 2172 | 1131 | 0.80(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:12 | 26:12 | 0 | 1.290 | 5215459 | 788373 | 680 | 1700 | 1159 | | |
| 291.9194 | 26:12 | 26:12 | 0 | 1.290 | 6555260 | 982626 | 869 | 2172 | 1131 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:12 | 26:12 | 0 | 1.290 | 5215459 | 788373 | 680 | 1700 | 1159 | | |
| 291.9194 | 26:12 | 26:12 | 0 | 1.290 | 6555260 | 982626 | 869 | 2172 | 1131 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:25 | 26:25 | 0 | 1.300 | 1157966 | 267276 | 680 | 1700 | 393 | | |
| 291.9194 | 26:25 | 26:25 | 0 | 1.300 | 1458270 | 333216 | 869 | 2172 | 383 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:55 | 0 | 1.325 | 3563396 | 551280 | 680 | 1700 | 811 | | M |
| 291.9194 | 26:55 | 26:55 | 0 | 1.325 | 4490187 | 684903 | 869 | 2172 | 788 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:55 | 0 | 1.325 | 3563396 | 551280 | 680 | 1700 | 811 | | M |
| 291.9194 | 26:55 | 26:55 | 0 | 1.325 | 4490187 | 684903 | 869 | 2172 | 788 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:55 | 26:55 | 0 | 1.325 | 3563396 | 551280 | 680 | 1700 | 811 | | M |
| 291.9194 | 26:55 | 26:55 | 0 | 1.325 | 4490187 | 684903 | 869 | 2172 | 788 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:08 | 27:08 | 0 | 1.336 | 1856005 | 421172 | 680 | 1700 | 619 | | |
| 291.9194 | 27:08 | 27:08 | 0 | 1.336 | 2319984 | 526455 | 869 | 2172 | 606 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:57 | 27:57 | 0 | 0.828 | 1776958 | 393057 | 680 | 1700 | 578 | | |
| 291.9194 | 27:57 | 27:57 | 0 | 0.828 | 2223010 | 495652 | 869 | 2172 | 570 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:15 | 28:15 | 0 | 0.836 | 1949049 | 420443 | 680 | 1700 | 618 | | |
| 291.9194 | 28:15 | 28:15 | 0 | 0.836 | 2451699 | 524313 | 869 | 2172 | 603 | 0.79(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:40 | 28:40 | 0 | 0.849 | 1701227 | 377523 | 680 | 1700 | 555 | | |
| 291.9194 | 28:40 | 28:40 | 0 | 0.849 | 2126151 | 470321 | 869 | 2172 | 541 | 0.80(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:55 | 28:55 | 0 | 0.856 | 1780690 | 388629 | 680 | 1700 | 572 | | |
| 291.9194 | 28:55 | 28:55 | 0 | 0.856 | 2237840 | 479640 | 869 | 2172 | 552 | 0.80(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:05 | 29:05 | 0 | 0.861 | 1834872 | 374686 | 680 | 1700 | 551 | | |
| 291.9194 | 29:05 | 29:05 | 0 | 0.861 | 2319436 | 480628 | 869 | 2172 | 553 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:21 | 29:21 | 0 | 0.869 | 1921784 | 405461 | 680 | 1700 | 596 | | |
| 291.9194 | 29:21 | 29:21 | 0 | 0.869 | 2441173 | 518531 | 869 | 2172 | 597 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 6961634 | 779506 | 680 | 1700 | 1146 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 8702277 | 974114 | 869 | 2172 | 1121 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 6961634 | 779506 | 680 | 1700 | 1146 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 8702277 | 974114 | 869 | 2172 | 1121 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 6961634 | 779506 | 680 | 1700 | 1146 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 8702277 | 974114 | 869 | 2172 | 1121 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:40 | 29:40 | 0 | 0.878 | 6961634 | 779506 | 680 | 1700 | 1146 | | |
| 291.9194 | 29:40 | 29:40 | 0 | 0.878 | 8702277 | 974114 | 869 | 2172 | 1121 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:00 | 30:00 | 0 | 0.888 | 1671454 | 356682 | 680 | 1700 | 525 | | |
| 291.9194 | 30:00 | 30:00 | 0 | 0.888 | 2178725 | 448107 | 869 | 2172 | 516 | 0.77(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:10 | 30:10 | 0 | 0.893 | 1701860 | 371104 | 680 | 1700 | 546 | | |
| 291.9194 | 30:10 | 30:10 | 0 | 0.893 | 2130960 | 461217 | 869 | 2172 | 531 | 0.80(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:40 | 30:40 | 0 | 0.908 | 1635226 | 357670 | 680 | 1700 | 526 | | |
| 291.9194 | 30:40 | 30:40 | 0 | 0.908 | 2037762 | 446794 | 869 | 2172 | 514 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:53 | 30:53 | 0 | 0.914 | 1728570 | 363510 | 680 | 1700 | 535 | | |
| 291.9194 | 30:53 | 30:53 | 0 | 0.914 | 2161359 | 452691 | 869 | 2172 | 521 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:17 | 31:17 | 0 | 0.926 | 1936319 | 422876 | 680 | 1700 | 622 | | |
| 291.9194 | 31:17 | 31:17 | 0 | 0.926 | 2490640 | 540235 | 869 | 2172 | 622 | 0.78(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:49 | 32:49 | 0 | 0.971 | 2157701 | 436208 | 680 | 1700 | 641 | | |
| 291.9194 | 32:49 | 32:49 | 0 | 0.971 | 2723876 | 550443 | 869 | 2172 | 633 | 0.79(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:23 | 33:23 | 0 | 0.988 | 1754613 | 359778 | 680 | 1700 | 529 | | |
| 291.9194 | 33:23 | 33:23 | 0 | 0.988 | 2224312 | 454333 | 869 | 2172 | 523 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:49 | 33:49 | 0 | 1.001 | 1880104 | 389505 | 680 | 1700 | 573 | | |
| 291.9194 | 33:49 | 33:49 | 0 | 1.001 | 2385985 | 493358 | 869 | 2172 | 568 | 0.79(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:22 | 34:22 | 0 | 1.001 | 1967521 | 403701 | 680 | 1700 | 594 | | |
| 291.9194 | 34:22 | 34:22 | 0 | 1.001 | 2470156 | 511059 | 869 | 2172 | 588 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:49 | 25:49 | 0 | 0.814 | 3018388 | 706375 | 15 | 37 | 47092 | | |
| 339.9178 | 25:49 | 25:49 | 0 | 0.814 | 1932738 | 443825 | 12 | 30 | 36985 | 1.56(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:47 | 28:47 | 0 | 1.115 | 1124528 | 246668 | 15 | 37 | 16445 | | |
| 339.9178 | 28:47 | 28:47 | 0 | 1.115 | 694515 | 157678 | 12 | 30 | 13140 | 1.62(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:43 | 31:43 | 0 | | 2484524 | 541426 | 15 | 37 | 36095 | | |
| 339.9178 | 31:43 | 31:43 | 0 | | 1555378 | 339290 | 12 | 30 | 28274 | 1.60(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:24 | 34:24 | 0 | 1.085 | 1760585 | 362097 | 15 | 37 | 24140 | | |
| 339.9178 | 34:24 | 34:24 | 0 | 1.085 | 1109257 | 236181 | 12 | 30 | 19682 | 1.59(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:22 | 36:22 | 0 | 1.146 | 4066395 | 850334 | 3511 | 8777 | 242 | | |
| 339.9178 | 36:22 | 36:22 | 0 | 1.146 | 2543482 | 524808 | 2155 | 5387 | 244 | 1.60(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:42 | 36:42 | 0 | 1.157 | 4258923 | 873971 | 3511 | 8777 | 249 | | |
| 339.9178 | 36:42 | 36:42 | 0 | 1.157 | 2633290 | 535421 | 2155 | 5387 | 248 | 1.62(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:13 | 37:13 | 0 | 1.173 | 4149162 | 851231 | 3511 | 8777 | 242 | | |
| 339.9178 | 37:13 | 37:13 | 0 | 1.173 | 2564409 | 528570 | 2155 | 5387 | 245 | 1.62(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:51 | 37:51 | 0 | 1.193 | 4073547 | 825138 | 3511 | 8777 | 235 | | |
| 339.9178 | 37:51 | 37:51 | 0 | 1.193 | 2613598 | 532691 | 2155 | 5387 | 247 | 1.56(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:20 | 39:20 | 0 | | 4184254 | 836818 | 3511 | 8777 | 238 | | |
| 339.9178 | 39:20 | 39:20 | 0 | | 2626903 | 537112 | 2155 | 5387 | 249 | 1.59(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:57 | 40:57 | 0 | 1.291 | 4044448 | 801769 | 3511 | 8777 | 228 | | |
| 339.9178 | 40:57 | 40:57 | 0 | 1.291 | 2573121 | 500895 | 2155 | 5387 | 232 | 1.57(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:51 | 25:51 | 0 | 1.001 | 1948244 | 449992 | 45 | 112 | 10000 | | |
| 327.8775 | 25:51 | 25:51 | 0 | 1.001 | 1234399 | 285264 | 32 | 80 | 8915 | 1.58(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:13 | 26:13 | 0 | 1.015 | 1719595 | 378740 | 45 | 112 | 8416 | | |
| 327.8775 | 26:13 | 26:13 | 0 | 1.015 | 1084458 | 235820 | 32 | 80 | 7369 | 1.59(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:09 | 28:09 | 0 | 1.090 | 1454011 | 325105 | 45 | 112 | 7225 | | |
| 327.8775 | 28:09 | 28:09 | 0 | 1.090 | 920116 | 206352 | 32 | 80 | 6449 | 1.58(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:22 | 28:22 | 0 | 1.099 | 1291237 | 283743 | 45 | 112 | 6305 | | |
| 327.8775 | 28:22 | 28:22 | 0 | 1.099 | 799356 | 177259 | 32 | 80 | 5539 | 1.62(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:49 | 28:49 | 0 | 1.116 | 1363727 | 301262 | 45 | 112 | 6695 | | |
| 327.8775 | 28:48 | 28:49 | -1 | 1.115 | 863414 | 188520 | 32 | 80 | 5891 | 1.58(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 0 | 1.124 | 2701429 | 567287 | 45 | 112 | 12606 | | |
| 327.8775 | 29:02 | 29:02 | 0 | 1.124 | 1687550 | 358279 | 32 | 80 | 11196 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:02 | 29:02 | 0 | 1.124 | 2701429 | 567287 | 45 | 112 | 12606 | | |
| 327.8775 | 29:02 | 29:02 | 0 | 1.124 | 1687550 | 358279 | 32 | 80 | 11196 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:11 | 29:11 | 0 | 1.130 | 2754511 | 332131 | 45 | 112 | 7381 | | M |
| 327.8775 | 29:11 | 29:11 | 0 | 1.130 | 1769895 | 211333 | 32 | 80 | 6604 | 1.56(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:11 | 29:11 | 0 | 1.130 | 2754511 | 332131 | 45 | 112 | 7381 | | M |
| 327.8775 | 29:11 | 29:11 | 0 | 1.130 | 1769895 | 211333 | 32 | 80 | 6604 | 1.56(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | Ma |
| 325.8804 | 29:40 | 29:40 | 0 | 1.149 | 2729800 | 324250 | 45 | 112 | 7206 | | M |
| 327.8775 | 29:40 | 29:40 | 0 | 1.149 | 1719113 | 199114 | 32 | 80 | 6222 | 1.59(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | Ma |
| 325.8804 | 29:40 | 29:40 | 0 | 1.149 | 2729800 | 324250 | 45 | 112 | 7206 | | M |
| 327.8775 | 29:40 | 29:40 | 0 | 1.149 | 1719113 | 199114 | 32 | 80 | 6222 | 1.59(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:53 | 29:53 | 0 | 1.158 | 1169683 | 250476 | 45 | 112 | 5566 | | |
| 327.8775 | 29:53 | 29:53 | 0 | 1.158 | 732179 | 158085 | 32 | 80 | 4940 | 1.60(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:22 | 30:22 | 0 | 1.176 | 1249205 | 266103 | 45 | 112 | 5913 | | |
| 327.8775 | 30:22 | 30:22 | 0 | 1.176 | 800524 | 171120 | 32 | 80 | 5348 | 1.56(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:48 | 30:48 | 0 | 1.193 | 1942374 | 415666 | 45 | 112 | 9237 | | |
| 327.8775 | 30:48 | 30:48 | 0 | 1.193 | 1208361 | 257166 | 32 | 80 | 8036 | 1.61(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:10 | 31:10 | 0 | 0.857 | 1357942 | 289528 | 45 | 112 | 6434 | | |
| 327.8775 | 31:10 | 31:10 | 0 | 0.857 | 838783 | 177729 | 32 | 80 | 5554 | 1.62(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:44 | 0 | 1.229 | 4754704 | 692313 | 45 | 112 | 15385 | | |
| 327.8775 | 31:44 | 31:44 | 0 | 1.229 | 3011389 | 438226 | 32 | 80 | 13695 | 1.58(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:44 | 0 | 1.229 | 4754704 | 692313 | 45 | 112 | 15385 | | |
| 327.8775 | 31:44 | 31:44 | 0 | 1.229 | 3011389 | 438226 | 32 | 80 | 13695 | 1.58(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:44 | 0 | 1.229 | 4754704 | 692313 | 45 | 112 | 15385 | | |
| 327.8775 | 31:44 | 31:44 | 0 | 1.229 | 3011389 | 438226 | 32 | 80 | 13695 | 1.58(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:20 | 32:20 | 0 | 1.252 | 2738538 | 321480 | 45 | 112 | 7144 | | |
| 327.8775 | 32:20 | 32:20 | 0 | 1.252 | 1762279 | 203516 | 32 | 80 | 6360 | 1.55(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:20 | 32:20 | 0 | 1.252 | 2738538 | 321480 | 45 | 112 | 7144 | | |
| 327.8775 | 32:20 | 32:20 | 0 | 1.252 | 1762279 | 203516 | 32 | 80 | 6360 | 1.55(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:26 | 32:26 | 0 | 1.256 | 1919990 | 402672 | 45 | 112 | 8948 | | |
| 327.8775 | 32:26 | 32:26 | 0 | 1.256 | 1199077 | 251177 | 32 | 80 | 7849 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.271 | 9964114 | 1145954 | 45 | 112 | 25466 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.271 | 6246032 | 727562 | 32 | 80 | 22736 | 1.60(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.271 | 9964114 | 1145954 | 45 | 112 | 25466 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.271 | 6246032 | 727562 | 32 | 80 | 22736 | 1.60(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.271 | 9964114 | 1145954 | 45 | 112 | 25466 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.271 | 6246032 | 727562 | 32 | 80 | 22736 | 1.60(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.271 | 9964114 | 1145954 | 45 | 112 | 25466 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.271 | 6246032 | 727562 | 32 | 80 | 22736 | 1.60(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.271 | 9964114 | 1145954 | 45 | 112 | 25466 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.271 | 6246032 | 727562 | 32 | 80 | 22736 | 1.60(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.271 | 9964114 | 1145954 | 45 | 112 | 25466 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.271 | 6246032 | 727562 | 32 | 80 | 22736 | 1.60(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:33 | 0 | 1.299 | 5282520 | 697657 | 45 | 112 | 15503 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.299 | 3323415 | 438000 | 32 | 80 | 13688 | 1.59(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:33 | 0 | 1.299 | 5282520 | 697657 | 45 | 112 | 15503 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.299 | 3323415 | 438000 | 32 | 80 | 13688 | 1.59(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:33 | 33:33 | 0 | 1.299 | 5282520 | 697657 | 45 | 112 | 15503 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.299 | 3323415 | 438000 | 32 | 80 | 13688 | 1.59(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:47 | 33:47 | 0 | 1.308 | 3952675 | 439739 | 45 | 112 | 9772 | | |
| 327.8775 | 33:47 | 33:47 | 0 | 1.308 | 2505213 | 284187 | 32 | 80 | 8881 | 1.58(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:47 | 33:47 | 0 | 1.308 | 3952675 | 439739 | 45 | 112 | 9772 | | |
| 327.8775 | 33:47 | 33:47 | 0 | 1.308 | 2505213 | 284187 | 32 | 80 | 8881 | 1.58(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:02 | 34:02 | 0 | 1.318 | 1283166 | 251327 | 45 | 112 | 5585 | | |
| 327.8775 | 34:02 | 34:02 | 0 | 1.318 | 800450 | 158562 | 32 | 80 | 4955 | 1.60(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:26 | 34:26 | 0 | 1.334 | 2157215 | 450695 | 45 | 112 | 10015 | | |
| 327.8775 | 34:26 | 34:26 | 0 | 1.334 | 1358878 | 284309 | 32 | 80 | 8885 | 1.59(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:53 | 34:53 | 0 | 1.351 | 2101167 | 432520 | 45 | 112 | 9612 | | |
| 327.8775 | 34:53 | 34:53 | 0 | 1.351 | 1329844 | 274136 | 32 | 80 | 8567 | 1.58(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:02 | 36:02 | 0 | 1.395 | 4723216 | 950560 | 2159 | 5397 | 440 | | |
| 327.8775 | 36:02 | 36:02 | 0 | 1.395 | 2984976 | 602461 | 1107 | 2767 | 544 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:02 | 36:02 | 0 | 1.395 | 4723216 | 950560 | 2159 | 5397 | 440 | | |
| 327.8775 | 36:02 | 36:02 | 0 | 1.395 | 2984976 | 602461 | 1107 | 2767 | 544 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:16 | 36:16 | 0 | 1.405 | 2655959 | 504704 | 2159 | 5397 | 234 | | |
| 327.8775 | 36:16 | 36:16 | 0 | 1.405 | 1700593 | 321666 | 1107 | 2767 | 291 | 1.56(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:23 | 36:23 | 0 | 1.000 | 2626490 | 549117 | 2159 | 5397 | 254 | | |
| 327.8775 | 36:23 | 36:23 | 0 | 1.000 | 1659016 | 350528 | 1107 | 2767 | 317 | 1.58(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:30 | 36:30 | 0 | 1.004 | 2390984 | 498583 | 2159 | 5397 | 231 | | |
| 327.8775 | 36:30 | 36:30 | 0 | 1.004 | 1499888 | 316427 | 1107 | 2767 | 286 | 1.59(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:42 | 36:42 | 0 | 1.000 | 2653062 | 512835 | 2159 | 5397 | 238 | | |
| 327.8775 | 36:42 | 36:42 | 0 | 1.000 | 1668434 | 325025 | 1107 | 2767 | 294 | 1.59(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:04 | 37:04 | 0 | 1.010 | 2255101 | 454869 | 2159 | 5397 | 211 | | |
| 327.8775 | 37:04 | 37:04 | 0 | 1.010 | 1416669 | 290999 | 1107 | 2767 | 263 | 1.59(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:15 | 37:15 | 0 | 1.001 | 2745585 | 528234 | 2159 | 5397 | 245 | | |
| 327.8775 | 37:15 | 37:15 | 0 | 1.001 | 1726310 | 332398 | 1107 | 2767 | 300 | 1.59(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:53 | 37:53 | 0 | 1.001 | 2519623 | 494934 | 2159 | 5397 | 229 | | |
| 327.8775 | 37:53 | 37:53 | 0 | 1.001 | 1573223 | 317481 | 1107 | 2767 | 287 | 1.60(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:22 | 39:22 | 0 | 1.040 | 2609546 | 504173 | 2159 | 5397 | 234 | | |
| 327.8775 | 39:22 | 39:22 | 0 | 1.040 | 1644589 | 320469 | 1107 | 2767 | 289 | 1.59(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:58 | 40:58 | 0 | 1.001 | 2599732 | 483157 | 2159 | 5397 | 224 | | |
| 327.8775 | 40:58 | 40:58 | 0 | 1.001 | 1628418 | 300357 | 1107 | 2767 | 271 | 1.60(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:30 | 31:30 | 0 | 0.791 | 2730727 | 579124 | 25 | 62 | 23165 | | |
| 373.8788 | 31:30 | 31:30 | -1 | 0.791 | 2151420 | 452966 | 44 | 110 | 10295 | 1.27(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:35 | 38:35 | 0 | 0.901 | 1414313 | 289479 | 1226 | 3065 | 236 | | |
| 373.8788 | 38:34 | 38:35 | -1 | 0.900 | 1106249 | 222701 | 1048 | 2620 | 213 | 1.28(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:48 | 39:48 | 0 | | 2742654 | 570628 | 1226 | 3065 | 465 | | |
| 373.8788 | 39:48 | 39:48 | 0 | | 2151491 | 440821 | 1048 | 2620 | 421 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:49 | 42:49 | 0 | 1.076 | 3547968 | 702836 | 1226 | 3065 | 573 | | |
| 373.8788 | 42:49 | 42:49 | 0 | 1.076 | 2797787 | 556840 | 1048 | 2620 | 531 | 1.27(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:58 | 0 | 1.104 | 6906591 | 957803 | 1226 | 3065 | 781 | | |
| 373.8788 | 43:58 | 43:58 | 0 | 1.104 | 5495611 | 766532 | 1048 | 2620 | 731 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:58 | 43:58 | 0 | 1.104 | 6906591 | 957803 | 1226 | 3065 | 781 | | |
| 373.8788 | 43:58 | 43:58 | 0 | 1.104 | 5495611 | 766532 | 1048 | 2620 | 731 | 1.26(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:12 | 47:12 | 0 | 1.186 | 3534837 | 689679 | 1226 | 3065 | 563 | | |
| 373.8788 | 47:12 | 47:12 | 0 | 1.186 | 2747544 | 531703 | 1048 | 2620 | 507 | 1.29(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:32 | 31:32 | 0 | 1.001 | 1590461 | 337648 | 26 | 65 | 12986 | | |
| 361.8385 | 31:32 | 31:32 | 0 | 1.001 | 1251888 | 266182 | 17 | 42 | 15658 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:43 | 31:43 | 0 | 1.006 | 1514730 | 326425 | 26 | 65 | 12555 | | |
| 361.8385 | 31:43 | 31:43 | 0 | 1.006 | 1185433 | 253388 | 17 | 42 | 14905 | 1.28(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | 31:53 | 0 | 1.012 | 1520911 | 314639 | 26 | 65 | 12102 | | |
| 361.8385 | 31:53 | 31:53 | 0 | 1.012 | 1189077 | 250501 | 17 | 42 | 14735 | 1.28(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:14 | 32:14 | 0 | 1.023 | 1422653 | 299496 | 26 | 65 | 11519 | | |
| 361.8385 | 32:14 | 32:14 | 0 | 1.023 | 1115030 | 237792 | 17 | 42 | 13988 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:32 | 32:32 | 0 | 1.033 | 1452076 | 308008 | 26 | 65 | 11846 | | |
| 361.8385 | 32:32 | 32:32 | 0 | 1.033 | 1161954 | 245353 | 17 | 42 | 14433 | 1.25(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:04 | 34:04 | 0 | 1.081 | 1120610 | 228612 | 26 | 65 | 8793 | | |
| 361.8385 | 34:04 | 34:04 | 0 | 1.081 | 875039 | 185306 | 17 | 42 | 10900 | 1.28(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:38 | 34:38 | 0 | 1.099 | 2111679 | 245740 | 26 | 65 | 9452 | | M |
| 361.8385 | 34:38 | 34:38 | 0 | 1.099 | 1686559 | 197574 | 17 | 42 | 11622 | 1.25(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:38 | 34:38 | 0 | 1.099 | 2111679 | 245740 | 26 | 65 | 9452 | | M |
| 361.8385 | 34:38 | 34:38 | 0 | 1.099 | 1686559 | 197574 | 17 | 42 | 11622 | 1.25(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:54 | 34:54 | 0 | 1.108 | 1234001 | 254891 | 26 | 65 | 9804 | | |
| 361.8385 | 34:54 | 34:54 | 0 | 1.108 | 964148 | 199051 | 17 | 42 | 11709 | 1.28(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:12 | 35:12 | 0 | 1.117 | 1114603 | 233030 | 26 | 65 | 8963 | | |
| 361.8385 | 35:12 | 35:12 | 0 | 1.117 | 879333 | 185814 | 17 | 42 | 10930 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:34 | 0 | 1.129 | 2869452 | 604678 | 412 | 1030 | 1468 | | |
| 361.8385 | 35:34 | 35:34 | 0 | 1.129 | 2288517 | 478799 | 402 | 1005 | 1191 | 1.25(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:34 | 35:34 | 0 | 1.129 | 2869452 | 604678 | 412 | 1030 | 1468 | | |
| 361.8385 | 35:34 | 35:34 | 0 | 1.129 | 2288517 | 478799 | 402 | 1005 | 1191 | 1.25(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:52 | 35:52 | 0 | 1.139 | 2557299 | 286753 | 412 | 1030 | 696 | | |
| 361.8385 | 35:52 | 35:52 | 0 | 1.139 | 2043678 | 231946 | 402 | 1005 | 577 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:52 | 35:52 | 0 | 1.139 | 2557299 | 286753 | 412 | 1030 | 696 | | |
| 361.8385 | 35:52 | 35:52 | 0 | 1.139 | 2043678 | 231946 | 402 | 1005 | 577 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:10 | 0 | 1.148 | 2953109 | 553380 | 412 | 1030 | 1343 | | |
| 361.8385 | 36:10 | 36:10 | 0 | 1.148 | 2353103 | 446716 | 402 | 1005 | 1111 | 1.25(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:10 | 0 | 1.148 | 2953109 | 553380 | 412 | 1030 | 1343 | | |
| 361.8385 | 36:10 | 36:10 | 0 | 1.148 | 2353103 | 446716 | 402 | 1005 | 1111 | 1.25(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:22 | 36:22 | 0 | 1.154 | 1295104 | 268064 | 412 | 1030 | 651 | | |
| 361.8385 | 36:22 | 36:22 | 0 | 1.154 | 1037837 | 216724 | 402 | 1005 | 539 | 1.25(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:31 | 36:31 | 0 | 1.159 | 1297393 | 272408 | 412 | 1030 | 661 | | |
| 361.8385 | 36:31 | 36:31 | 0 | 1.159 | 1034435 | 212481 | 402 | 1005 | 529 | 1.25(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:50 | 36:50 | 0 | 1.169 | 1296304 | 263924 | 412 | 1030 | 641 | | |
| 361.8385 | 36:50 | 36:50 | 0 | 1.169 | 1057801 | 214187 | 402 | 1005 | 533 | 1.23(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:20 | 37:20 | 0 | 1.185 | 1384479 | 276064 | 412 | 1030 | 670 | | |
| 361.8385 | 37:20 | 37:20 | 0 | 1.185 | 1096588 | 220900 | 402 | 1005 | 550 | 1.26(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:44 | 37:44 | 0 | 0.881 | 1709066 | 344197 | 412 | 1030 | 835 | | |
| 361.8385 | 37:44 | 37:44 | 0 | 0.881 | 1373196 | 275664 | 402 | 1005 | 686 | 1.24(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:59 | 37:59 | 0 | 0.887 | 1492881 | 310362 | 412 | 1030 | 753 | | |
| 361.8385 | 37:59 | 37:59 | -1 | 0.887 | 1210017 | 249947 | 402 | 1005 | 622 | 1.23(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:07 | 38:07 | 0 | 0.890 | 2007196 | 404770 | 412 | 1030 | 982 | | |
| 361.8385 | 38:07 | 38:07 | 0 | 0.890 | 1574700 | 319525 | 402 | 1005 | 795 | 1.27(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:38 | 0 | 0.902 | 3638728 | 533021 | 412 | 1030 | 1294 | | |
| 361.8385 | 38:38 | 38:38 | 0 | 0.902 | 2929475 | 427561 | 402 | 1005 | 1064 | 1.24(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:38 | 0 | 0.902 | 3638728 | 533021 | 412 | 1030 | 1294 | | |
| 361.8385 | 38:38 | 38:38 | 0 | 0.902 | 2929475 | 427561 | 402 | 1005 | 1064 | 1.24(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:47 | 0 | 0.906 | 1440727 | 288756 | 412 | 1030 | 701 | | |
| 361.8385 | 38:47 | 38:47 | 0 | 0.906 | 1142374 | 226544 | 402 | 1005 | 564 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:11 | 39:11 | 0 | 0.915 | 1240451 | 252282 | 412 | 1030 | 612 | | |
| 361.8385 | 39:11 | 39:11 | 0 | 0.915 | 995901 | 203669 | 402 | 1005 | 507 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:25 | 39:25 | 0 | 0.920 | 1594296 | 311759 | 412 | 1030 | 757 | | |
| 361.8385 | 39:25 | 39:25 | 0 | 0.920 | 1282482 | 253383 | 402 | 1005 | 630 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:32 | 0 | 0.923 | 1847722 | 382330 | 412 | 1030 | 928 | | |
| 361.8385 | 39:32 | 39:32 | 0 | 0.923 | 1460221 | 303024 | 402 | 1005 | 754 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.930 | 6477561 | 726248 | 412 | 1030 | 1763 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.930 | 5215238 | 580400 | 402 | 1005 | 1444 | 1.24(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.930 | 6477561 | 726248 | 412 | 1030 | 1763 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.930 | 5215238 | 580400 | 402 | 1005 | 1444 | 1.24(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.930 | 6477561 | 726248 | 412 | 1030 | 1763 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.930 | 5215238 | 580400 | 402 | 1005 | 1444 | 1.24(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.930 | 6477561 | 726248 | 412 | 1030 | 1763 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.930 | 5215238 | 580400 | 402 | 1005 | 1444 | 1.24(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:13 | 40:13 | 0 | 0.939 | 2121617 | 408769 | 412 | 1030 | 992 | | |
| 361.8385 | 40:13 | 40:13 | 0 | 0.939 | 1673523 | 321118 | 402 | 1005 | 799 | 1.27(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:04 | 0 | 0.959 | 3354269 | 580443 | 412 | 1030 | 1409 | | |
| 361.8385 | 41:04 | 41:04 | 0 | 0.959 | 2682970 | 463455 | 402 | 1005 | 1153 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:04 | 0 | 0.959 | 3354269 | 580443 | 412 | 1030 | 1409 | | |
| 361.8385 | 41:04 | 41:04 | 0 | 0.959 | 2682970 | 463455 | 402 | 1005 | 1153 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:05 | 42:05 | 0 | 0.983 | 2016653 | 407097 | 412 | 1030 | 988 | | |
| 361.8385 | 42:05 | 42:05 | 0 | 0.983 | 1606716 | 321039 | 402 | 1005 | 799 | 1.26(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:22 | 42:22 | 0 | 0.989 | 2098785 | 404429 | 412 | 1030 | 982 | | |
| 361.8385 | 42:22 | 42:22 | 0 | 0.989 | 1675759 | 322975 | 402 | 1005 | 803 | 1.25(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:51 | 42:51 | 0 | 1.001 | 2164324 | 422982 | 412 | 1030 | 1027 | | |
| 361.8385 | 42:50 | 42:51 | -1 | 1.000 | 1750418 | 338123 | 402 | 1005 | 841 | 1.24(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:59 | 43:59 | 0 | 1.001 | 4096398 | 577448 | 412 | 1030 | 1402 | | |
| 361.8385 | 43:59 | 43:59 | 0 | 1.001 | 3274084 | 457293 | 402 | 1005 | 1138 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:59 | 43:59 | 0 | 1.001 | 4096398 | 577448 | 412 | 1030 | 1402 | | |
| 361.8385 | 43:59 | 43:59 | 0 | 1.001 | 3274084 | 457293 | 402 | 1005 | 1138 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:13 | 47:13 | 0 | 1.000 | 2116691 | 396017 | 412 | 1030 | 961 | | |
| 361.8385 | 47:13 | 47:13 | 0 | 1.000 | 1684768 | 315016 | 402 | 1005 | 784 | 1.26(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:14 | 37:14 | 0 | 0.820 | 2879359 | 596309 | 118 | 295 | 5053 | | |
| 407.8398 | 37:14 | 37:14 | 0 | 0.820 | 2717368 | 563723 | 109 | 272 | 5172 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:17 | 40:17 | 0 | 0.888 | 1071478 | 215670 | 118 | 295 | 1828 | | |
| 407.8398 | 40:17 | 40:17 | 0 | 0.888 | 1001994 | 201608 | 109 | 272 | 1850 | 1.07(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:22 | 45:22 | 0 | | 2197156 | 444616 | 118 | 295 | 3768 | | |
| 407.8398 | 45:22 | 45:22 | -1 | | 2087385 | 407979 | 109 | 272 | 3743 | 1.05(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:37 | 46:37 | 0 | 1.027 | 1795772 | 336968 | 118 | 295 | 2856 | | |
| 407.8398 | 46:37 | 46:37 | 0 | 1.027 | 1706079 | 333093 | 109 | 272 | 3056 | 1.05(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:44 | 49:44 | 0 | 1.096 | 4018374 | 775254 | 431 | 1077 | 1799 | | |
| 407.8398 | 49:44 | 49:44 | 0 | 1.096 | 3806001 | 743253 | 780 | 1950 | 953 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:15 | 37:15 | 0 | 1.000 | 1653426 | 336962 | 22 | 55 | 15316 | | |
| 395.7995 | 37:15 | 37:15 | 0 | 1.000 | 1575574 | 319742 | 16 | 40 | 19984 | 1.05(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:35 | 37:35 | 0 | 1.009 | 1530377 | 316009 | 22 | 55 | 14364 | | |
| 395.7995 | 37:35 | 37:35 | 0 | 1.009 | 1456495 | 296159 | 16 | 40 | 18510 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:07 | 38:07 | 0 | 1.024 | 1502555 | 307692 | 22 | 55 | 13986 | | |
| 395.7995 | 38:07 | 38:07 | 0 | 1.024 | 1420618 | 290413 | 16 | 40 | 18151 | 1.06(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:28 | 38:28 | 0 | 1.033 | 1673392 | 337679 | 22 | 55 | 15349 | | |
| 395.7995 | 38:28 | 38:28 | 0 | 1.033 | 1590859 | 320556 | 16 | 40 | 20035 | 1.05(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:55 | 38:55 | 0 | 1.045 | 1576378 | 309481 | 22 | 55 | 14067 | | |
| 395.7995 | 38:55 | 38:55 | 0 | 1.045 | 1476692 | 294693 | 16 | 40 | 18418 | 1.07(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:18 | 40:18 | 0 | 1.083 | 1137093 | 230190 | 22 | 55 | 10463 | | |
| 395.7995 | 40:18 | 40:18 | 0 | 1.083 | 1081445 | 217532 | 16 | 40 | 13596 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:56 | 40:56 | 0 | 1.099 | 1171456 | 228706 | 22 | 55 | 10396 | | |
| 395.7995 | 40:56 | 40:56 | 0 | 1.099 | 1120708 | 220984 | 16 | 40 | 13812 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:12 | 41:12 | 0 | 1.107 | 1237828 | 246141 | 22 | 55 | 11188 | | |
| 395.7995 | 41:12 | 41:12 | 0 | 1.107 | 1174586 | 236178 | 16 | 40 | 14761 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:25 | 41:25 | 0 | 1.112 | 1273234 | 256251 | 22 | 55 | 11648 | | |
| 395.7995 | 41:25 | 41:25 | 0 | 1.112 | 1209325 | 244878 | 16 | 40 | 15305 | 1.05(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:49 | 41:49 | 0 | 1.123 | 2464269 | 262511 | 22 | 55 | 11932 | | M |
| 395.7995 | 41:49 | 41:49 | 0 | 1.123 | 2356713 | 256728 | 16 | 40 | 16046 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:49 | 41:49 | 0 | 1.123 | 2464269 | 262511 | 22 | 55 | 11932 | | M |
| 395.7995 | 41:49 | 41:49 | 0 | 1.123 | 2356713 | 256728 | 16 | 40 | 16046 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:03 | 42:03 | 0 | 1.130 | 1082636 | 213247 | 22 | 55 | 9693 | | |
| 395.7995 | 42:03 | 42:03 | 0 | 1.130 | 1032053 | 204127 | 16 | 40 | 12758 | 1.05(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:29 | 42:29 | 0 | 1.141 | 1073553 | 203149 | 22 | 55 | 9234 | | |
| 395.7995 | 42:29 | 42:29 | 0 | 1.141 | 1016345 | 194969 | 16 | 40 | 12186 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:53 | 42:53 | 0 | 1.152 | 1220857 | 241441 | 22 | 55 | 10975 | | |
| 395.7995 | 42:53 | 42:53 | -1 | 1.152 | 1164955 | 229611 | 16 | 40 | 14351 | 1.05(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:06 | 0 | 1.158 | 2139057 | 362770 | 22 | 55 | 16490 | | |
| 395.7995 | 43:06 | 43:06 | 0 | 1.158 | 2020151 | 346333 | 16 | 40 | 21646 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:06 | 0 | 1.158 | 2139057 | 362770 | 22 | 55 | 16490 | | |
| 395.7995 | 43:06 | 43:06 | 0 | 1.158 | 2020151 | 346333 | 16 | 40 | 21646 | 1.06(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:45 | 44:45 | 0 | 0.900 | 1118377 | 219964 | 22 | 55 | 9998 | | |
| 395.7995 | 44:45 | 44:45 | 0 | 0.900 | 1068944 | 209697 | 16 | 40 | 13106 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:01 | 45:01 | 0 | 0.905 | 1504791 | 295450 | 22 | 55 | 13430 | | |
| 395.7995 | 45:01 | 45:01 | 0 | 0.905 | 1430567 | 283764 | 16 | 40 | 17735 | 1.05(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:21 | 45:21 | 0 | 0.912 | 2822216 | 379039 | 22 | 55 | 17229 | | |
| 395.7995 | 45:21 | 45:21 | 0 | 0.912 | 2659548 | 362718 | 16 | 40 | 22670 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:21 | 45:21 | 0 | 0.912 | 2822216 | 379039 | 22 | 55 | 17229 | | |
| 395.7995 | 45:21 | 45:21 | 0 | 0.912 | 2659548 | 362718 | 16 | 40 | 22670 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:44 | 45:44 | 0 | 0.920 | 1605373 | 311258 | 22 | 55 | 14148 | | |
| 395.7995 | 45:44 | 45:44 | 0 | 0.920 | 1501921 | 295726 | 16 | 40 | 18483 | 1.07(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:39 | 46:39 | 0 | 0.938 | 1138540 | 218804 | 22 | 55 | 9946 | | |
| 395.7995 | 46:39 | 46:39 | 0 | 0.938 | 1080720 | 209650 | 16 | 40 | 13103 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:10 | 47:10 | 0 | 0.948 | 1569650 | 301125 | 22 | 55 | 13688 | | |
| 395.7995 | 47:10 | 47:10 | 0 | 0.948 | 1481367 | 285140 | 16 | 40 | 17821 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:46 | 49:46 | 0 | 1.001 | 2494747 | 479811 | 226 | 565 | 2123 | | |
| 395.7995 | 49:46 | 49:46 | 0 | 1.001 | 2339698 | 448438 | 183 | 457 | 2450 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:36 | 42:36 | 0 | 0.822 | 2254452 | 444759 | 66 | 165 | 6739 | | |
| 441.8008 | 42:36 | 42:36 | 0 | 0.822 | 2481972 | 487681 | 88 | 220 | 5542 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:51 | 51:51 | 0 | | 2459917 | 470335 | 186 | 465 | 2529 | | |
| 441.8008 | 51:51 | 51:51 | 0 | | 2721208 | 517075 | 284 | 710 | 1821 | 0.90(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:20 | 52:20 | 0 | 1.009 | 3018308 | 570013 | 186 | 465 | 3065 | | |
| 441.8008 | 52:19 | 52:20 | -1 | 1.009 | 3277242 | 618846 | 284 | 710 | 2179 | 0.92(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:37 | 42:37 | 0 | 1.000 | 1089257 | 213996 | 29 | 72 | 7379 | | |
| 429.7606 | 42:37 | 42:37 | 0 | 1.000 | 1201213 | 236864 | 23 | 57 | 10298 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:33 | 43:33 | 0 | 1.022 | 1232355 | 247040 | 29 | 72 | 8519 | | |
| 429.7606 | 43:33 | 43:33 | 0 | 1.022 | 1338386 | 267789 | 23 | 57 | 11643 | 0.92(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:13 | 44:13 | 0 | 1.038 | 1148502 | 224048 | 29 | 72 | 7726 | | |
| 429.7606 | 44:13 | 44:13 | 0 | 1.038 | 1263623 | 247575 | 23 | 57 | 10764 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:27 | 44:27 | 0 | 1.043 | 1245631 | 251317 | 29 | 72 | 8666 | | |
| 429.7606 | 44:27 | 44:27 | 0 | 1.043 | 1383128 | 275673 | 23 | 57 | 11986 | 0.90(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:33 | 44:33 | 0 | 1.046 | 1163830 | 230925 | 29 | 72 | 7963 | | |
| 429.7606 | 44:33 | 44:33 | 0 | 1.046 | 1278878 | 257185 | 23 | 57 | 11182 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:20 | 47:20 | 0 | 1.111 | 1689556 | 224986 | 29 | 72 | 7758 | | |
| 429.7606 | 47:20 | 47:20 | 0 | 1.111 | 1872844 | 248122 | 23 | 57 | 10788 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:20 | 47:20 | 0 | 1.111 | 1689556 | 224986 | 29 | 72 | 7758 | | |
| 429.7606 | 47:20 | 47:20 | 0 | 1.111 | 1872844 | 248122 | 23 | 57 | 10788 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:01 | 48:01 | 0 | 0.918 | 905976 | 178417 | 29 | 72 | 6152 | | |
| 429.7606 | 48:01 | 48:01 | 0 | 0.918 | 1007230 | 197433 | 23 | 57 | 8584 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:13 | 48:13 | 0 | 0.921 | 966489 | 188710 | 29 | 72 | 6507 | | |
| 429.7606 | 48:13 | 48:13 | 0 | 0.921 | 1067783 | 207552 | 23 | 57 | 9024 | 0.91(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:32 | 49:32 | 0 | 0.946 | 1148587 | 221673 | 1946 | 4865 | 114 | | |
| 429.7606 | 49:31 | 49:32 | -1 | 0.946 | 1284576 | 239487 | 1207 | 3017 | 198 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:52 | 51:52 | 0 | 0.991 | 1328562 | 254909 | 1946 | 4865 | 131 | | |
| 429.7606 | 51:52 | 51:52 | 0 | 0.991 | 1474509 | 286771 | 1207 | 3017 | 238 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:21 | 52:21 | 0 | 1.000 | 1745837 | 334042 | 1946 | 4865 | 172 | | |
| 429.7606 | 52:21 | 52:21 | 0 | 1.000 | 1908811 | 363999 | 1207 | 3017 | 302 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:17 | 49:17 | 0 | 0.950 | 2498126 | 490253 | 326 | 815 | 1504 | | |
| 475.7619 | 49:17 | 49:17 | 0 | 0.950 | 3090314 | 611818 | 330 | 825 | 1854 | 0.81(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:05 | 54:05 | 0 | 1.043 | 1916798 | 370489 | 326 | 815 | 1136 | | |
| 475.7619 | 54:05 | 54:05 | 0 | 1.043 | 2366048 | 452815 | 330 | 825 | 1372 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:18 | 49:18 | 0 | 1.001 | 1326083 | 252886 | 104 | 260 | 2432 | | |
| 463.7216 | 49:18 | 49:18 | 0 | 1.001 | 1683810 | 327553 | 206 | 515 | 1590 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:14 | 50:14 | 0 | 1.019 | 1404971 | 267588 | 104 | 260 | 2573 | | |
| 463.7216 | 50:14 | 50:14 | 0 | 1.019 | 1803412 | 353175 | 206 | 515 | 1714 | 0.78(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:06 | 54:06 | 0 | 1.000 | 1036031 | 197245 | 104 | 260 | 1897 | | |
| 463.7216 | 54:06 | 54:06 | 0 | 1.000 | 1312479 | 248127 | 206 | 515 | 1205 | 0.79(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:44 | 55:44 | 0 | 1.075 | 1974525 | 343699 | 113 | 282 | 3042 | | |
| 509.7229 | 55:43 | 55:44 | -1 | 1.075 | 2729677 | 480368 | 71 | 177 | 6766 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:45 | 55:45 | 0 | 1.000 | 1113764 | 200248 | 23 | 57 | 8706 | | |
| 497.6826 | 55:45 | 55:45 | 0 | 1.000 | 1593815 | 283748 | 29 | 72 | 9784 | 0.70(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
CCV Relative RT Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 03-Oct-2019 11:24:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013282-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 12:36:24 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0323

First Level Reviewer: nordquistj Date: 03-Oct-2019 12:34:43

Start Cal Date: 21-Aug-2019 13:37:00
End Cal Date: 21-Aug-2019 19:05:00

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-1L | | 11:46 | 11:44 | -1 | 15 | 0.7275 | 0.7281 | 0.717 - 0.7472 |
| PCB-3L | | 13:57 | 13:54 | -3 | 15 | 0.8625 | 0.8620 | 0.849 - 0.8798 |
| PCB-1 | L | 11:47 | 11:45 | -1 | | 1.0011 | 1.0011 | 0.995 - 1.0085 |
| PCB-2 | | 13:47 | 13:44 | -2 | | 0.9878 | 0.9887 | 0.985 - 0.9925 |
| PCB-3 | L | 13:58 | 13:55 | -3 | | 1.0009 | 1.0009 | 0.998 - 1.0048 |
| PCB-4L | | 14:12 | 14:10 | -2 | 15 | 0.8779 | 0.8783 | 0.865 - 0.8956 |
| PCB-9L | | 16:11 | 16:07 | -3 | | 1.0000 | 1.0000 | 0.987 - 1.0128 |
| PCB-8L | | 17:00 | 16:57 | -3 | | 1.1969 | 1.1968 | 1.192 - 1.1989 |
| PCB-15L | | 20:06 | 20:01 | -5 | 15 | 1.2426 | 1.2418 | 1.233 - 1.2530 |
| PCB-4 | L | 14:13 | 14:10 | -2 | | 1.0009 | 1.0009 | 0.994 - 1.0058 |
| PCB-10 | | 14:23 | 14:21 | -2 | | 1.0129 | 1.0129 | 1.010 - 1.0168 |
| PCB-9 | | 16:11 | 16:08 | -3 | | 1.1400 | 1.1395 | 1.135 - 1.1415 |
| PCB-7 | | 16:22 | 16:18 | -3 | | 1.1520 | 1.1516 | 1.147 - 1.1538 |
| PCB-6 | | 16:36 | 16:32 | -3 | | 1.1686 | 1.1682 | 1.164 - 1.1706 |
| PCB-5 | | 16:55 | 16:50 | -4 | | 1.1907 | 1.1894 | 1.186 - 1.1926 |
| PCB-8 | | 17:02 | 16:58 | -3 | | 1.1990 | 1.1987 | 1.194 - 1.2008 |
| PCB-14 | | 18:40 | 18:35 | -4 | | 0.9284 | 0.9282 | 0.926 - 0.9305 |
| PCB-11 | | 19:30 | 19:25 | -4 | | 0.9700 | 0.9699 | 0.968 - 0.9725 |
| PCB-12/13 | | 19:50 | 19:45 | -5 | | 0.9863 | 0.9863 | 0.983 - 0.9875 |
| PCB-15 | L | 20:07 | 20:02 | -5 | | 1.0007 | 1.0007 | 0.997 - 1.0050 |
| PCB-19L | | 17:19 | 17:15 | -4 | 15 | 0.8416 | 0.8417 | 0.831 - 0.8547 |
| PCB-32L | | 20:34 | 20:29 | -5 | | 1.0000 | 1.0000 | 0.998 - 1.0024 |
| PCB-31L | | 22:50 | 22:45 | -5 | | 1.0000 | 1.0000 | 0.998 - 1.0022 |
| PCB-28L | | 23:08 | 23:03 | -5 | | 1.0134 | 1.0134 | 1.006 - 1.0201 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-37L | | 27:09 | 27:03 | -6 | 15 | 1.1889 | 1.1891 | 1.178 - 1.1995 |
| PCB-19 | L | 17:20 | 17:16 | -3 | | 1.0008 | 1.0015 | 0.996 - 1.0058 |
| PCB-18/30 | | 19:11 | 19:06 | -4 | | 1.1081 | 1.1077 | 1.104 - 1.1093 |
| PCB-17 | | 19:37 | 19:33 | -4 | | 1.1330 | 1.1334 | 1.129 - 1.1352 |
| PCB-27 | | 19:50 | 19:45 | -5 | | 1.1458 | 1.1456 | 1.141 - 1.1471 |
| PCB-24 | | 19:58 | 19:53 | -5 | | 1.1534 | 1.1532 | 1.148 - 1.1542 |
| PCB-16 | | 20:04 | 20:00 | -4 | | 1.1594 | 1.1600 | 1.156 - 1.1621 |
| PCB-32 | | 20:36 | 20:31 | -5 | | 1.1897 | 1.1896 | 1.185 - 1.1908 |
| PCB-34 | | 21:52 | 21:47 | -5 | | 1.2627 | *1.2628 | 1.257 - 1.2623 |
| PCB-23 | | 22:01 | 21:56 | -5 | | 1.2715 | *1.2717 | 1.266 - 1.2715 |
| PCB-26/29 | | 22:20 | 22:15 | -5 | | 1.2899 | 1.2901 | 1.282 - 1.2915 |
| PCB-25 | | 22:34 | 22:28 | -5 | | 0.8308 | 0.8306 | 0.829 - 0.8325 |
| PCB-31 | | 22:52 | 22:46 | -5 | | 0.8421 | 0.8419 | 0.840 - 0.8438 |
| PCB-20/28 | | 23:11 | 23:04 | -6 | | 0.8538 | 0.8532 | 0.851 - 0.8568 |
| PCB-21/33 | | 23:24 | 23:18 | -5 | | 0.8617 | 0.8616 | 0.858 - 0.8637 |
| PCB-22 | | 23:48 | 23:42 | -5 | | 0.8763 | 0.8762 | 0.875 - 0.8786 |
| PCB-36 | | 25:22 | 25:15 | -6 | | 0.9339 | 0.9336 | 0.932 - 0.9352 |
| PCB-39 | | 25:43 | 25:36 | -6 | | 0.9470 | 0.9468 | 0.945 - 0.9483 |
| PCB-38 | | 26:18 | 26:11 | -6 | | 0.9686 | 0.9685 | 0.966 - 0.9695 |
| PCB-35 | | 26:46 | 26:39 | -6 | | 0.9855 | 0.9854 | 0.984 - 0.9875 |
| PCB-37 | L | 27:10 | 27:03 | -6 | | 1.0005 | 1.0005 | 0.999 - 1.0024 |
| PCB-54L | | 20:24 | 20:19 | -5 | 15 | 0.8167 | 0.8166 | 0.811 - 0.8247 |
| PCB-52L | | 24:59 | 24:53 | -5 | | 1.0000 | 1.0000 | 0.992 - 1.0083 |
| PCB-79L | | 32:54 | 32:47 | -6 | | 0.9704 | 0.9706 | 0.969 - 0.9718 |
| PCB-81L | | 33:55 | 33:47 | -8 | 15 | 1.3581 | 1.3580 | 1.351 - 1.3641 |
| PCB-77L | | 34:29 | 34:21 | -8 | 15 | 1.3806 | 1.3805 | 1.373 - 1.3867 |
| PCB-54 | L | 20:26 | 20:21 | -5 | | 1.0000 | 1.0000 | 0.996 - 1.0041 |
| PCB-50/53 | | 22:37 | 22:31 | -5 | | 1.1084 | 1.1082 | 1.102 - 1.1106 |
| PCB-45/51 | | 23:20 | 23:15 | -5 | | 1.1440 | 1.1445 | 1.137 - 1.1453 |
| PCB-46 | | 23:34 | 23:29 | -5 | | 1.1552 | 1.1558 | 1.153 - 1.1576 |
| PCB-52 | | 25:00 | 24:54 | -6 | | 1.2257 | 1.2253 | 1.222 - 1.2263 |
| PCB-43/73 | | 25:09 | 25:03 | -5 | | 1.2326 | 1.2328 | 1.230 - 1.2346 |
| PCB-49/69 | | 25:28 | 25:21 | -6 | | 1.2482 | 1.2478 | 1.242 - 1.2499 |
| PCB-48 | | 25:47 | 25:40 | -6 | | 1.2638 | 1.2635 | 1.259 - 1.2636 |
| PCB-44/47/65 | | 26:01 | 25:55 | -6 | | 1.2756 | 1.2754 | 1.269 - 1.2770 |
| PCB-59/62/75 | | 26:19 | 26:12 | -6 | | 1.2900 | 1.2898 | 1.284 - 1.2919 |
| PCB-42 | | 26:32 | 26:25 | -6 | | 1.3006 | 1.3005 | 1.296 - 1.3007 |
| PCB-40/41/71 | | 27:02 | 26:55 | -6 | | 1.3249 | 1.3249 | 1.317 - 1.3250 |
| PCB-64 | | 27:15 | 27:08 | -6 | | 1.3355 | 1.3355 | 1.331 - 1.3355 |
| PCB-72 | | 28:05 | 27:57 | -7 | | 0.8278 | 0.8275 | 0.826 - 0.8291 |
| PCB-68 | | 28:22 | 28:15 | -7 | | 0.8365 | 0.8362 | 0.835 - 0.8375 |
| PCB-57 | | 28:48 | 28:40 | -7 | | 0.8488 | 0.8486 | 0.847 - 0.8500 |
| PCB-58 | | 29:01 | 28:55 | -6 | | 0.8556 | 0.8558 | 0.854 - 0.8574 |
| PCB-67 | | 29:12 | 29:05 | -7 | | 0.8609 | 0.8606 | 0.859 - 0.8620 |
| PCB-63 | | 29:28 | 29:21 | -7 | | 0.8687 | 0.8686 | 0.866 - 0.8694 |
| PCB-61/70/74/76 | | 29:48 | 29:40 | -7 | | 0.8785 | 0.8784 | 0.875 - 0.8810 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-66 | | 30:07 | 30:00 | -7 | | 0.8879 | 0.8878 | 0.886 - 0.8894 |
| PCB-55 | | 30:17 | 30:10 | -7 | | 0.8927 | 0.8927 | 0.891 - 0.8943 |
| PCB-56 | | 30:47 | 30:40 | -7 | | 0.9077 | 0.9077 | 0.907 - 0.9098 |
| PCB-60 | | 31:00 | 30:53 | -7 | | 0.9141 | 0.9141 | 0.913 - 0.9158 |
| PCB-80 | | 31:26 | 31:17 | -8 | | 0.9265 | 0.9262 | 0.924 - 0.9268 |
| PCB-79 | | 32:57 | 32:49 | -8 | | 0.9715 | 0.9714 | 0.970 - 0.9726 |
| PCB-78 | | 33:30 | 33:23 | -7 | | 0.9876 | 0.9879 | 0.986 - 0.9890 |
| PCB-81 | T | 33:57 | 33:49 | -8 | | 1.0007 | 1.0008 | 0.999 - 1.0020 |
| PCB-77 | T/L | 34:30 | 34:22 | -8 | | 1.0007 | 1.0007 | 0.999 - 1.0019 |
| PCB-104L | | 25:56 | 25:49 | -6 | 15 | 0.8139 | 0.8139 | 0.810 - 0.8199 |
| PCB-95L | | 28:53 | 28:47 | -6 | | 1.1143 | 1.1148 | 1.112 - 1.1179 |
| PCB-101L | | 31:52 | 31:43 | -8 | | 1.0000 | 1.0000 | 0.994 - 1.0065 |
| PCB-111L | | 34:32 | 34:24 | -7 | | 1.0847 | 1.0846 | 1.079 - 1.0891 |
| PCB-123L | | 36:30 | 36:22 | -8 | 15 | 1.1459 | 1.1465 | 1.141 - 1.1511 |
| PCB-118L | | 36:50 | 36:42 | -8 | 15 | 1.1562 | 1.1568 | 1.151 - 1.1614 |
| PCB-114L | | 37:21 | 37:13 | -8 | 15 | 1.1726 | 1.1732 | 1.168 - 1.1780 |
| PCB-105L | | 38:00 | 37:51 | -8 | 15 | 1.1927 | 1.1934 | 1.188 - 1.1989 |
| PCB-127L | | 39:29 | 39:20 | -9 | | 1.0000 | 1.0000 | 0.995 - 1.0053 |
| PCB-126L | | 41:06 | 40:57 | -9 | 15 | 1.2900 | 1.2907 | 1.285 - 1.2956 |
| PCB-104 | L | 25:57 | 25:51 | -6 | | 1.0010 | 1.0010 | 0.998 - 1.0039 |
| PCB-96 | | 26:19 | 26:13 | -5 | | 1.0147 | 1.0153 | 1.013 - 1.0195 |
| PCB-103 | | 28:16 | 28:09 | -7 | | 1.0903 | 1.0902 | 1.087 - 1.0912 |
| PCB-94 | | 28:29 | 28:22 | -7 | | 1.0986 | 1.0986 | 1.097 - 1.1003 |
| PCB-95 | | 28:55 | 28:49 | -6 | | 1.1153 | 1.1158 | 1.113 - 1.1193 |
| PCB-93/100 | | 29:09 | 29:02 | -7 | | 1.1242 | 1.1242 | 1.120 - 1.1267 |
| PCB-98/102 | | 29:18 | 29:11 | -7 | | 1.1300 | 1.1301 | 1.127 - 1.1336 |
| PCB-88/91 | | 29:48 | 29:40 | -7 | | 1.1492 | 1.1493 | 1.143 - 1.1505 |
| PCB-84 | | 30:00 | 29:53 | -6 | | 1.1570 | 1.1577 | 1.157 - 1.1603 |
| PCB-89 | | 30:29 | 30:22 | -6 | | 1.1757 | 1.1764 | 1.175 - 1.1786 |
| PCB-121 | | 30:55 | 30:48 | -7 | | 1.1924 | *1.1927 | 1.188 - 1.1922 |
| PCB-92 | | 31:17 | 31:10 | -7 | | 0.8570 | 0.8569 | 0.856 - 0.8589 |
| PCB-90/101/113 | | 31:52 | 31:44 | -8 | | 1.2292 | 1.2291 | 1.224 - 1.2307 |
| PCB-83/99 | | 32:27 | 32:20 | -7 | | 1.2517 | 1.2523 | 1.245 - 1.2525 |
| PCB-112 | | 32:34 | 32:26 | -8 | | 1.2561 | 1.2562 | 1.254 - 1.2574 |
| PCB-86/87/97/109/119/125 | | 32:57 | 32:49 | -8 | | 1.2709 | 1.2710 | 1.265 - 1.2756 |
| PCB-85/116/117 | | 33:41 | 33:33 | -8 | | 1.2988 | 1.2991 | 1.293 - 1.3007 |
| PCB-110/115 | | 33:56 | 33:47 | -8 | | 1.3086 | 1.3085 | 1.303 - 1.3092 |
| PCB-82 | | 34:10 | 34:02 | -8 | | 1.3175 | 1.3178 | 1.316 - 1.3194 |
| PCB-111 | | 34:34 | 34:26 | -8 | | 1.3332 | *1.3336 | 1.329 - 1.3330 |
| PCB-120 | | 35:02 | 34:53 | -8 | | 1.3508 | 1.3513 | 1.348 - 1.3514 |
| PCB-108/124 | | 36:10 | 36:02 | -8 | | 1.3948 | 1.3954 | 1.390 - 1.3967 |
| PCB-107 | | 36:25 | 36:16 | -9 | | 1.4044 | 1.4045 | 1.401 - 1.4049 |
| PCB-123 | T | 36:32 | 36:23 | -9 | | 1.0007 | 1.0004 | 1.000 - 1.0023 |
| PCB-106 | | 36:38 | 36:30 | -8 | | 1.0036 | 1.0036 | 1.003 - 1.0057 |
| PCB-118 | T | 36:51 | 36:42 | -8 | | 1.0004 | 1.0004 | 0.999 - 1.0019 |
| PCB-122 | | 37:12 | 37:04 | -8 | | 1.0099 | 1.0100 | 1.009 - 1.0117 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-114 | T | 37:23 | 37:15 | -8 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-105 | T | 38:01 | 37:53 | -8 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-127 | | 39:31 | 39:22 | -9 | | 1.0399 | 1.0397 | 1.037 - 1.0399 |
| PCB-126 | T/L | 41:07 | 40:58 | -8 | | 1.0003 | 1.0006 | 1.000 - 1.0016 |
| PCB-155L | | 31:39 | 31:30 | -8 | 15 | 0.7919 | 0.7915 | 0.787 - 0.7951 |
| PCB-153L | | 38:42 | 38:35 | -7 | | 0.9008 | 0.9008 | 0.899 - 0.9028 |
| PCB-138L | | 39:58 | 39:48 | -9 | | 1.0000 | 1.0000 | 0.979 - 1.0208 |
| PCB-167L | | 42:59 | 42:49 | -9 | 15 | 1.0756 | 1.0759 | 1.071 - 1.0792 |
| PCB-156L/157L | | 44:08 | 43:58 | -9 | 15 | 1.1043 | 1.1044 | 1.100 - 1.1084 |
| PCB-169L | | 47:21 | 47:12 | -9 | 15 | 1.1851 | 1.1859 | 1.184 - 1.1864 |
| PCB-155 | L | 31:39 | 31:32 | -7 | | 1.0004 | 1.0008 | 0.998 - 1.0031 |
| PCB-152 | | 31:51 | 31:43 | -8 | | 1.0064 | 1.0065 | 1.006 - 1.0096 |
| PCB-150 | | 32:01 | 31:53 | -7 | | 1.0117 | 1.0121 | 1.011 - 1.0144 |
| PCB-136 | | 32:22 | 32:14 | -8 | | 1.0229 | *1.0230 | 1.024 - 1.0268 |
| PCB-145 | | 32:40 | 32:32 | -8 | | 1.0326 | 1.0327 | 1.033 - 1.0358 |
| PCB-148 | | 34:12 | 34:04 | -8 | | 1.0808 | 1.0812 | 1.080 - 1.0830 |
| PCB-135/151 | | 34:46 | 34:38 | -8 | | 1.0989 | 1.0993 | 1.099 - 1.1038 |
| PCB-154 | | 35:03 | 34:54 | -9 | | 1.1078 | 1.1078 | 1.106 - 1.1107 |
| PCB-144 | | 35:21 | 35:12 | -8 | | 1.1170 | 1.1175 | 1.117 - 1.1199 |
| PCB-147/149 | | 35:43 | 35:34 | -8 | | 1.1286 | 1.1290 | 1.127 - 1.1326 |
| PCB-134/143 | | 36:01 | 35:52 | -8 | | 1.1381 | 1.1386 | 1.136 - 1.1409 |
| PCB-139/140 | | 36:19 | 36:10 | -8 | | 1.1476 | 1.1481 | 1.146 - 1.1515 |
| PCB-131 | | 36:30 | 36:22 | -8 | | 1.1538 | 1.1543 | 1.154 - 1.1571 |
| PCB-142 | | 36:40 | 36:31 | -8 | | 1.1587 | 1.1593 | 1.159 - 1.1621 |
| PCB-132 | | 36:58 | 36:50 | -8 | | 1.1682 | 1.1689 | 1.168 - 1.1728 |
| PCB-133 | | 37:29 | 37:20 | -8 | | 1.1843 | 1.1850 | 1.184 - 1.1872 |
| PCB-165 | | 37:53 | 37:44 | -9 | | 0.8814 | 0.8809 | 0.880 - 0.8825 |
| PCB-146 | | 38:08 | 37:59 | -8 | | 0.8872 | 0.8871 | 0.886 - 0.8882 |
| PCB-161 | | 38:16 | 38:07 | -8 | | 0.8902 | 0.8901 | 0.889 - 0.8914 |
| PCB-153/168 | | 38:47 | 38:38 | -9 | | 0.9024 | 0.9020 | 0.900 - 0.9040 |
| PCB-141 | | 38:56 | 38:47 | -9 | | 0.9060 | 0.9057 | 0.905 - 0.9075 |
| PCB-130 | | 39:21 | 39:11 | -9 | | 0.9154 | 0.9151 | 0.915 - 0.9172 |
| PCB-137 | | 39:34 | 39:25 | -9 | | 0.9206 | 0.9203 | 0.920 - 0.9224 |
| PCB-164 | | 39:41 | 39:32 | -9 | | 0.9233 | 0.9231 | 0.923 - 0.9252 |
| PCB-129/138/160/163 | | 40:00 | 39:51 | -9 | | 0.9307 | 0.9304 | 0.930 - 0.9349 |
| PCB-158 | | 40:23 | 40:13 | -9 | | 0.9395 | 0.9393 | 0.939 - 0.9409 |
| PCB-128/166 | | 41:14 | 41:04 | -9 | | 0.9592 | 0.9591 | 0.958 - 0.9617 |
| PCB-159 | | 42:14 | 42:05 | -9 | | 0.9827 | 0.9826 | 0.982 - 0.9839 |
| PCB-162 | | 42:31 | 42:22 | -9 | | 0.9894 | 0.9893 | 0.988 - 0.9907 |
| PCB-167 | T | 43:00 | 42:51 | -9 | | 1.0006 | 1.0006 | 0.999 - 1.0016 |
| PCB-156/157 | T | 44:08 | 43:59 | -9 | | 1.0003 | 1.0006 | 0.999 - 1.0025 |
| PCB-169 | T/L | 47:23 | 47:13 | -9 | | 1.0006 | 1.0003 | 0.999 - 1.0015 |
| PCB-188L | | 37:22 | 37:14 | -8 | 15 | 0.8208 | 0.8205 | 0.817 - 0.8243 |
| PCB-178L | | 40:24 | 40:17 | -7 | | 0.8877 | 0.8876 | 0.884 - 0.8916 |
| PCB-180L | | 45:32 | 45:22 | -9 | | 1.0000 | 1.0000 | 0.996 - 1.0037 |
| PCB-170L | | 46:47 | 46:37 | -9 | 15 | 1.0276 | 1.0274 | 1.024 - 1.0317 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-189L | | 49:54 | 49:44 | -10 | 15 | 1.0962 | 1.0961 | 1.093 - 1.1000 |
| PCB-188 | L | 37:24 | 37:15 | -9 | | 1.0007 | 1.0004 | 1.000 - 1.0022 |
| PCB-179 | | 37:43 | 37:35 | -8 | | 1.0094 | 1.0095 | 1.009 - 1.0115 |
| PCB-184 | | 38:16 | 38:07 | -8 | | 1.0238 | 1.0239 | 1.023 - 1.0254 |
| PCB-176 | | 38:37 | 38:28 | -9 | | 1.0332 | 1.0330 | 1.033 - 1.0351 |
| PCB-186 | | 39:04 | 38:55 | -9 | | 1.0455 | 1.0453 | 1.045 - 1.0476 |
| PCB-178 | | 40:27 | 40:18 | -8 | | 1.0822 | 1.0825 | 1.081 - 1.0837 |
| PCB-175 | | 41:05 | 40:56 | -9 | | 1.0994 | 1.0994 | 1.098 - 1.1008 |
| PCB-187 | | 41:21 | 41:12 | -9 | | 1.1067 | 1.1067 | 1.106 - 1.1082 |
| PCB-182 | | 41:34 | 41:25 | -9 | | 1.1123 | 1.1124 | 1.111 - 1.1137 |
| PCB-183/185 | | 41:58 | 41:49 | -9 | | 1.1231 | *1.1233 | 1.123 - 1.1260 |
| PCB-174 | | 42:12 | 42:03 | -9 | | 1.1294 | 1.1296 | 1.129 - 1.1313 |
| PCB-177 | | 42:38 | 42:29 | -9 | | 1.1410 | 1.1412 | 1.140 - 1.1430 |
| PCB-181 | | 43:02 | 42:53 | -8 | | 1.1515 | 1.1520 | 1.151 - 1.1535 |
| PCB-171/173 | | 43:15 | 43:06 | -9 | | 1.1574 | 1.1577 | 1.156 - 1.1602 |
| PCB-172 | | 44:54 | 44:45 | -9 | | 0.8997 | 0.8997 | 0.899 - 0.9008 |
| PCB-192 | | 45:10 | 45:01 | -9 | | 0.9052 | 0.9052 | 0.904 - 0.9060 |
| PCB-180/193 | | 45:30 | 45:21 | -9 | | 0.9117 | 0.9118 | 0.911 - 0.9130 |
| PCB-191 | | 45:54 | 45:44 | -9 | | 0.9198 | 0.9197 | 0.919 - 0.9209 |
| PCB-170 | | 46:48 | 46:39 | -9 | | 0.9379 | 0.9378 | 0.937 - 0.9392 |
| PCB-190 | | 47:20 | 47:10 | -9 | | 0.9484 | 0.9483 | 0.948 - 0.9496 |
| PCB-189 | T/L | 49:55 | 49:46 | -9 | | 1.0003 | 1.0005 | 0.999 - 1.0013 |
| PCB-202L | | 42:45 | 42:36 | -8 | 15 | 0.8215 | 0.8216 | 0.819 - 0.8249 |
| PCB-194L | | 52:02 | 51:51 | -10 | | 1.0000 | 1.0000 | 0.996 - 1.0040 |
| PCB-205L | | 52:29 | 52:20 | -9 | 15 | 1.0088 | 1.0093 | 1.004 - 1.0138 |
| PCB-202 | L | 42:46 | 42:37 | -9 | | 1.0006 | 1.0003 | 0.999 - 1.0027 |
| PCB-201 | | 43:42 | 43:33 | -9 | | 1.0223 | 1.0221 | 1.020 - 1.0237 |
| PCB-204 | | 44:23 | 44:13 | -9 | | 1.0382 | 1.0381 | 1.036 - 1.0388 |
| PCB-197 | | 44:36 | 44:27 | -9 | | 1.0434 | 1.0433 | 1.042 - 1.0445 |
| PCB-200 | | 44:42 | 44:33 | -9 | | 1.0459 | 1.0457 | 1.045 - 1.0473 |
| PCB-198/199 | | 47:30 | 47:20 | -9 | | 1.1113 | 1.1111 | 1.109 - 1.1132 |
| PCB-196 | | 48:11 | 48:01 | -9 | | 0.9179 | 0.9175 | 0.917 - 0.9189 |
| PCB-203 | | 48:22 | 48:13 | -9 | | 0.9217 | 0.9213 | 0.921 - 0.9226 |
| PCB-195 | | 49:41 | 49:32 | -9 | | 0.9467 | 0.9465 | 0.946 - 0.9481 |
| PCB-194 | | 52:02 | 51:52 | -10 | | 0.9915 | 0.9912 | 0.991 - 0.9926 |
| PCB-205 | L | 52:31 | 52:21 | -9 | | 1.0005 | 1.0002 | 0.999 - 1.0013 |
| PCB-208L | | 49:26 | 49:17 | -9 | 15 | 0.9501 | 0.9504 | 0.947 - 0.9534 |
| PCB-206L | | 54:15 | 54:05 | -9 | 15 | 1.0428 | 1.0432 | 1.038 - 1.0472 |
| PCB-208 | L | 49:28 | 49:18 | -9 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-207 | | 50:24 | 50:14 | -10 | | 1.0196 | 1.0194 | 1.019 - 1.0205 |
| PCB-206 | L | 54:17 | 54:06 | -10 | | 1.0005 | 1.0002 | 1.000 - 1.0015 |
| PCB-209L | | 55:54 | 55:44 | -10 | 15 | 1.0746 | 1.0749 | 1.069 - 1.0784 |
| DCB Decachlorobiphenyl | L | 55:56 | 55:45 | -10 | | 1.0005 | 1.0005 | 0.999 - 1.0012 |

Eurofins TestAmerica, Knoxville

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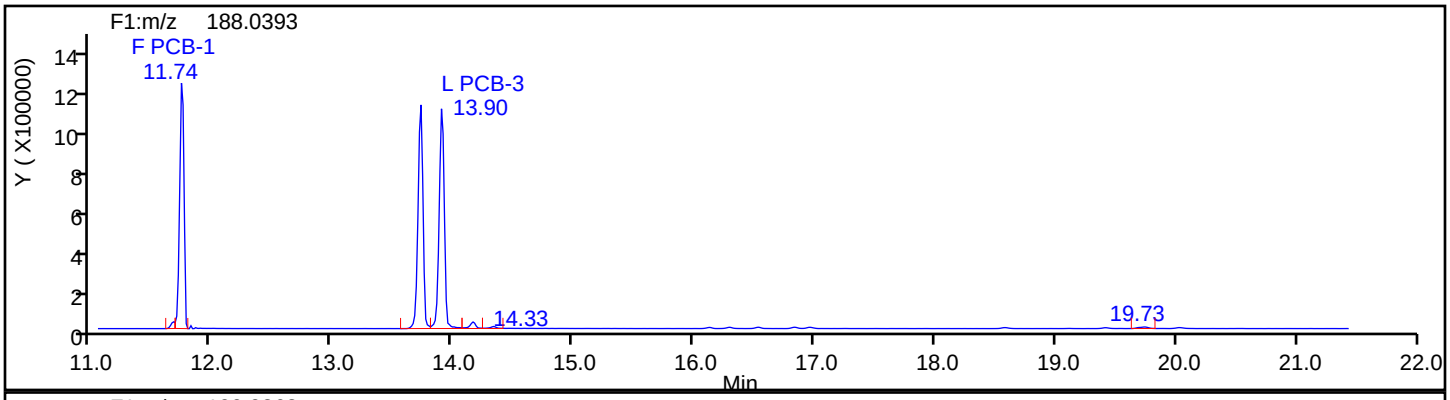
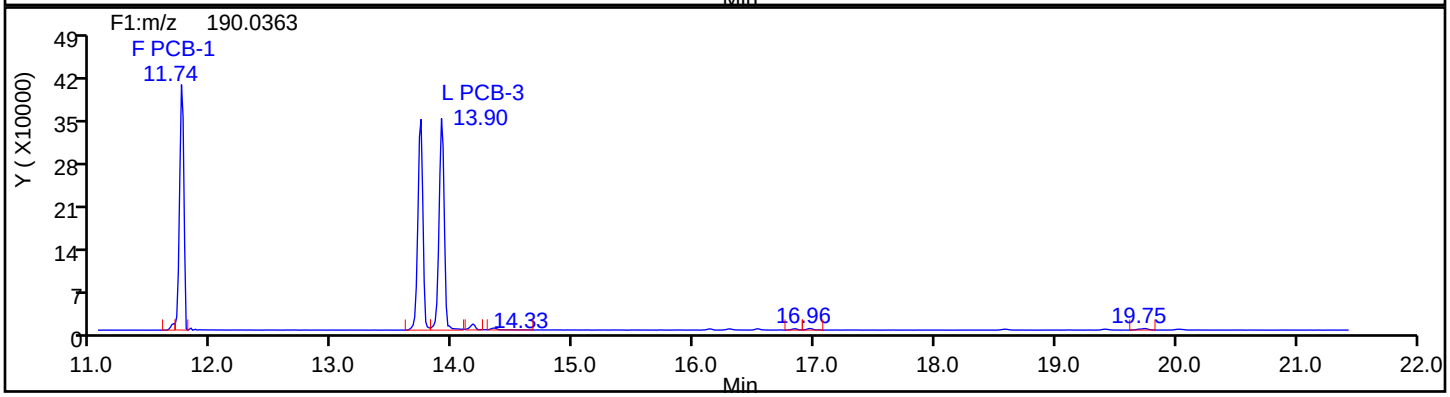
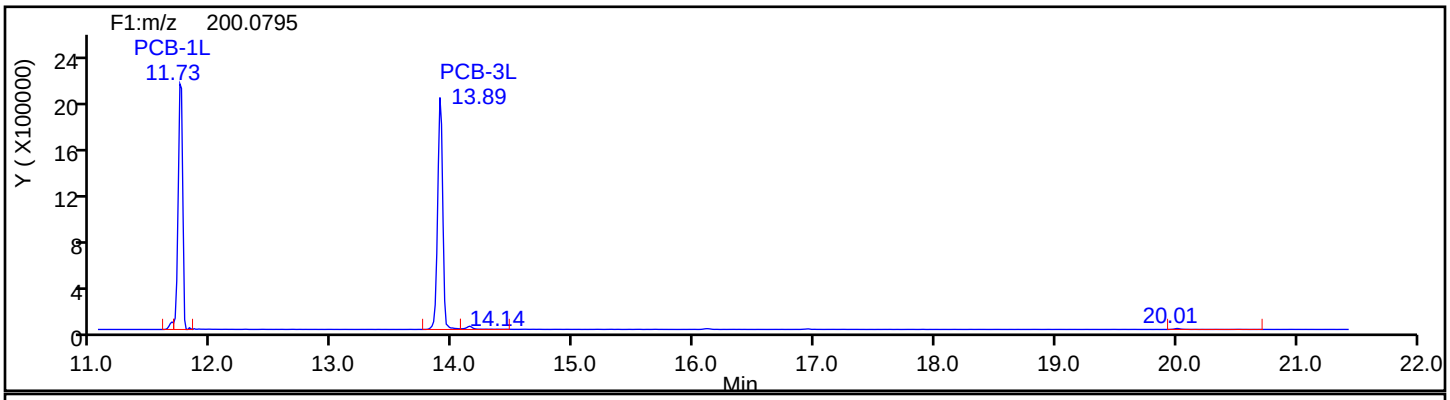
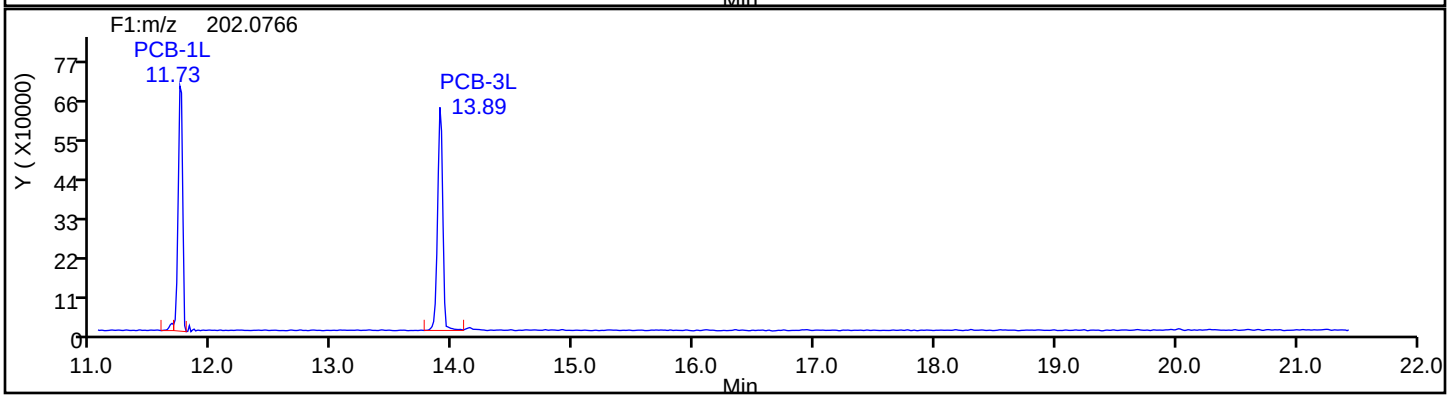
MoPCB F1




MoPCB F1 Standards



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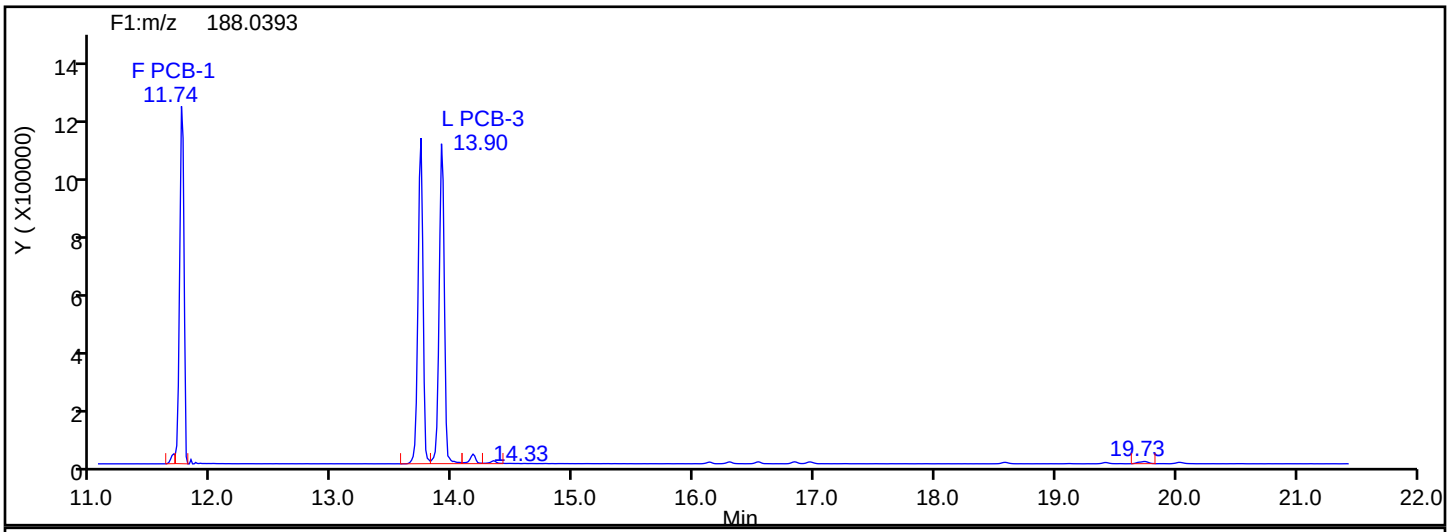
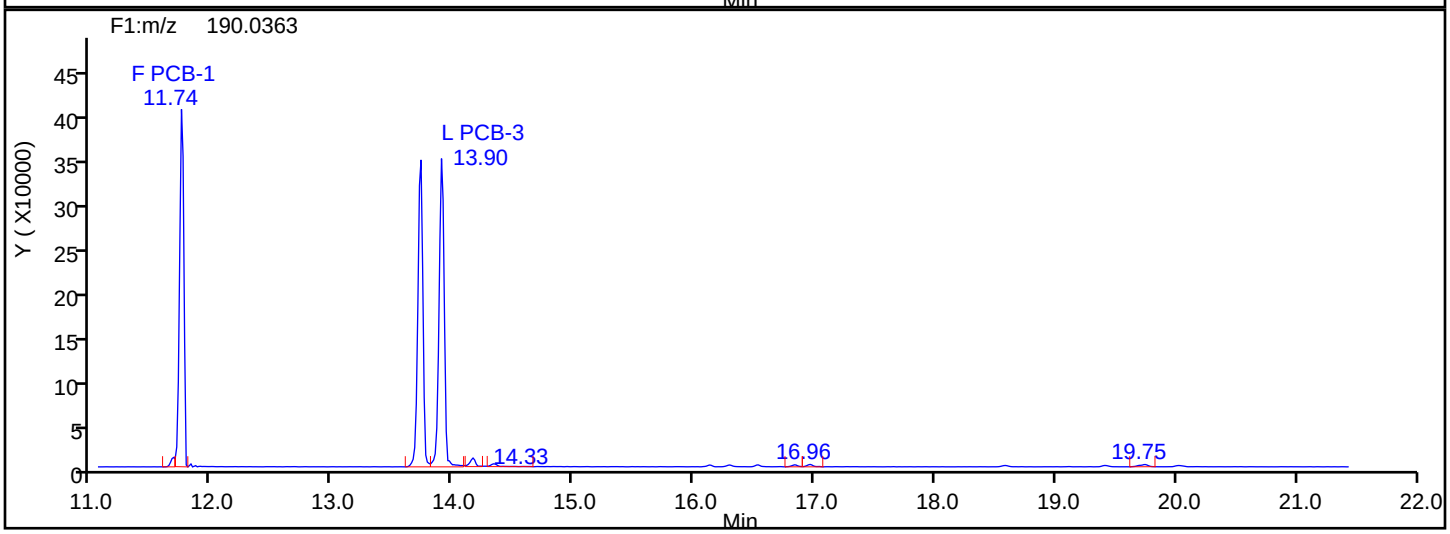
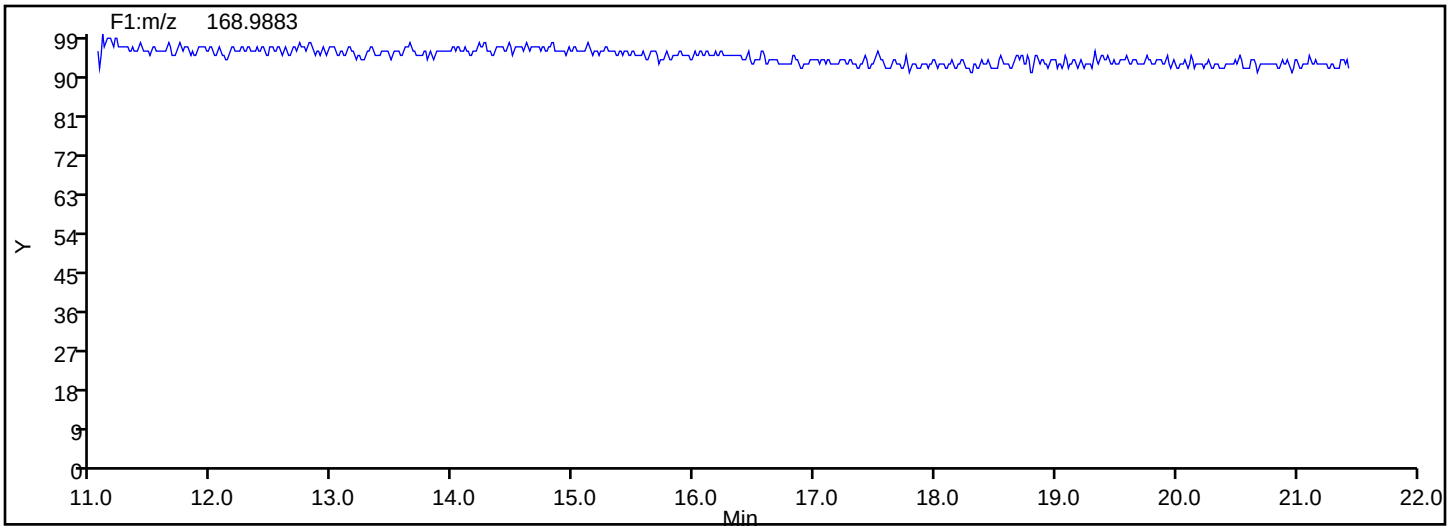
MoPCB F1




MoPCB F1 Lock Mass



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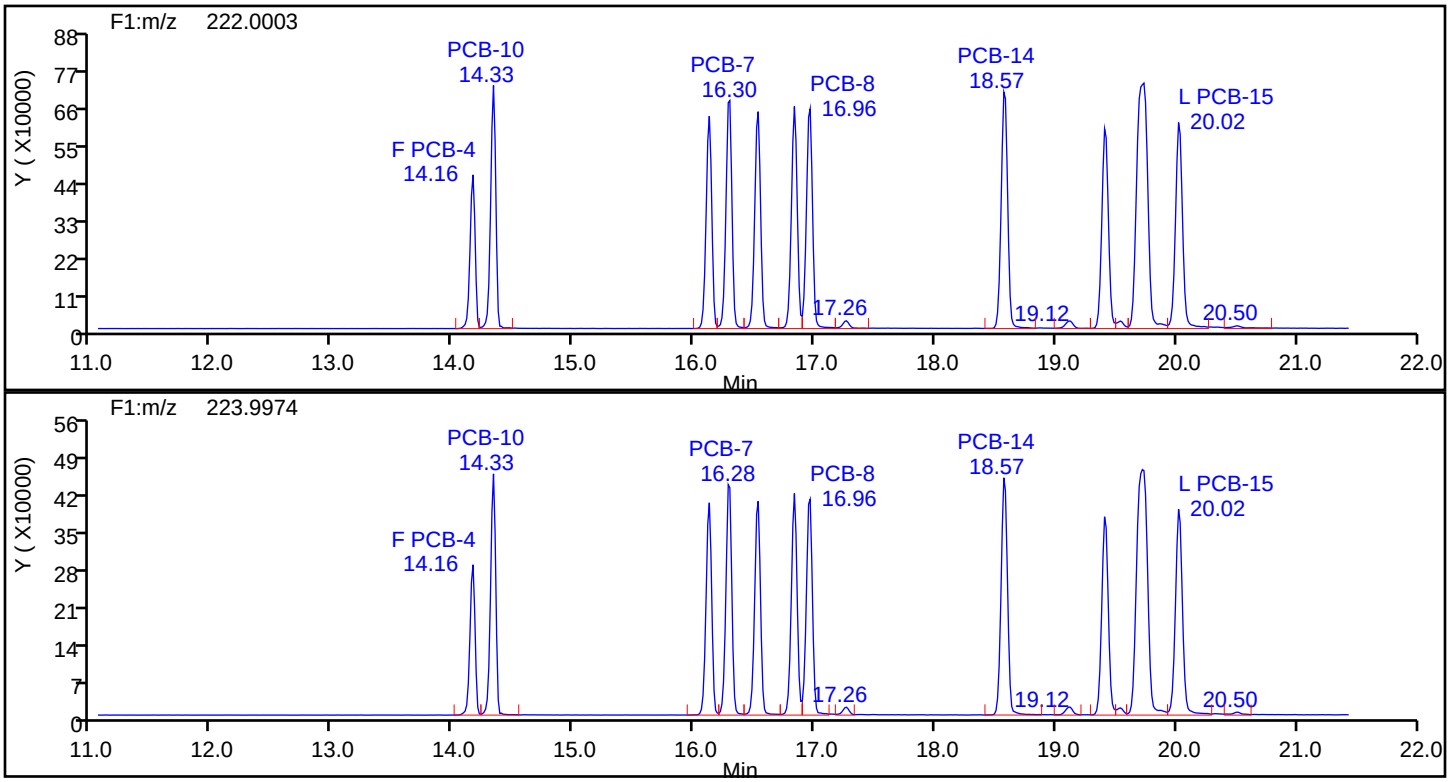
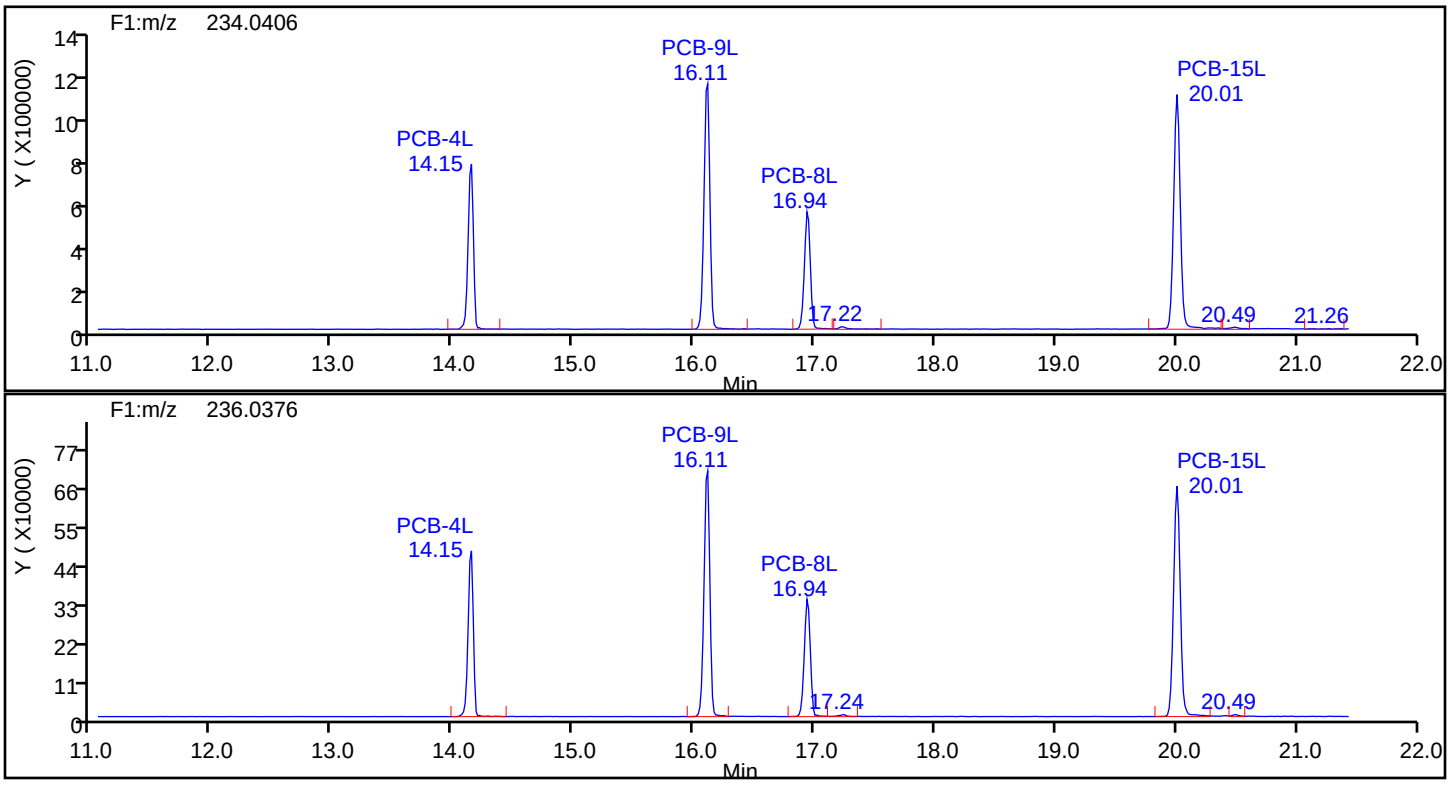
DiPCB F1




DiPCB F1 Standards



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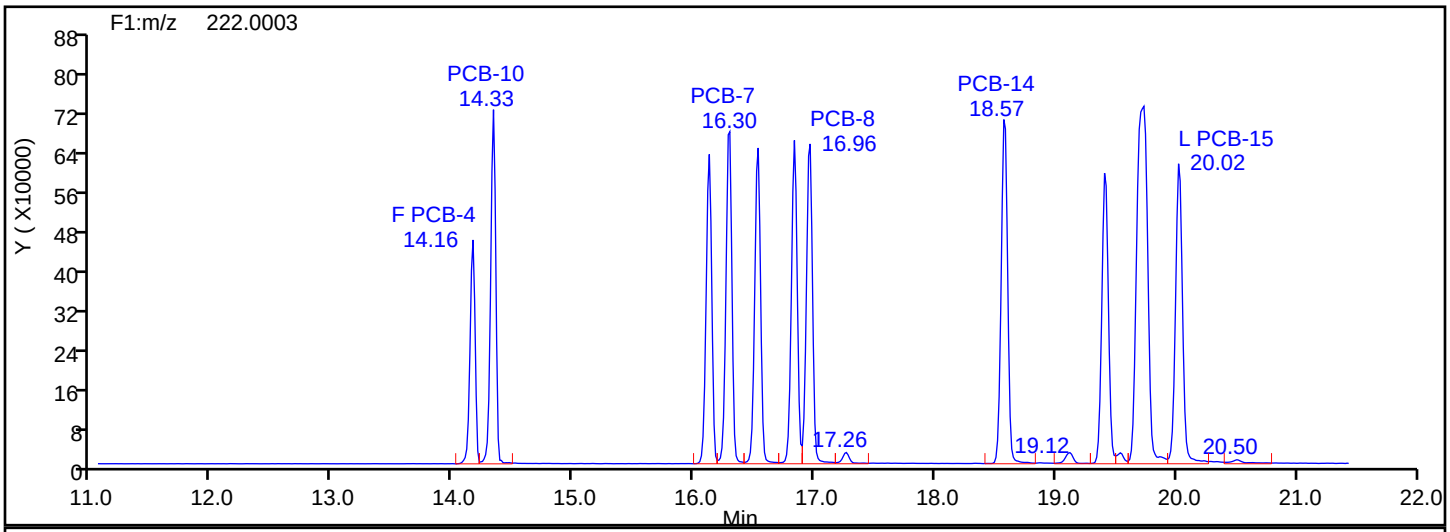
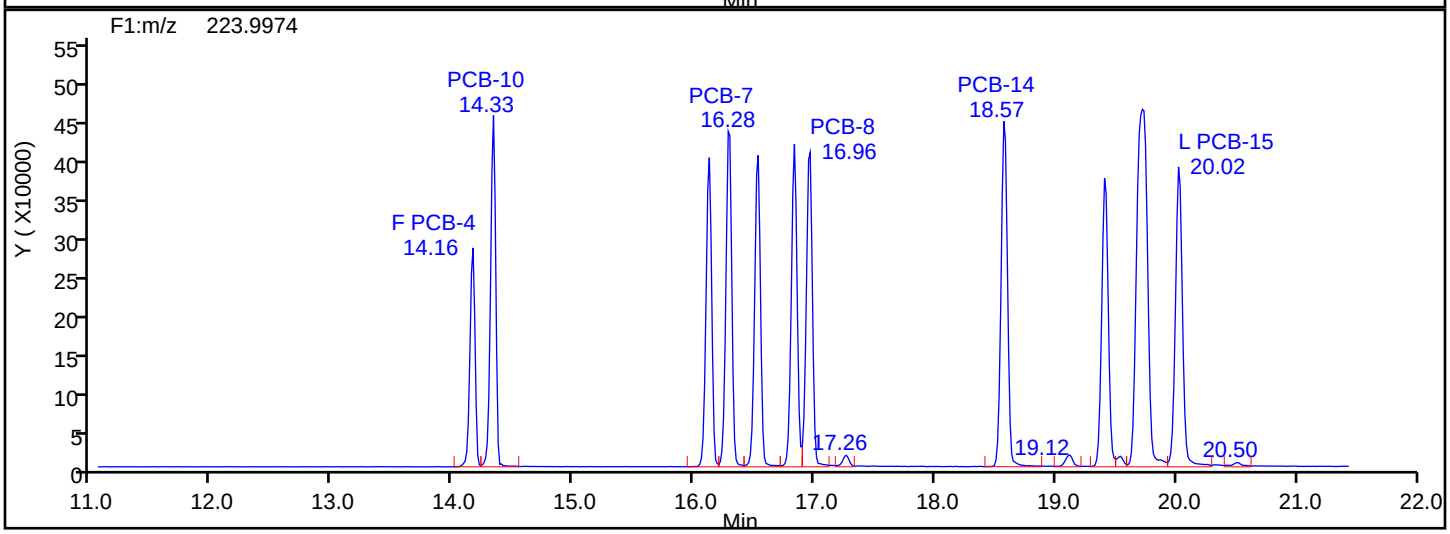
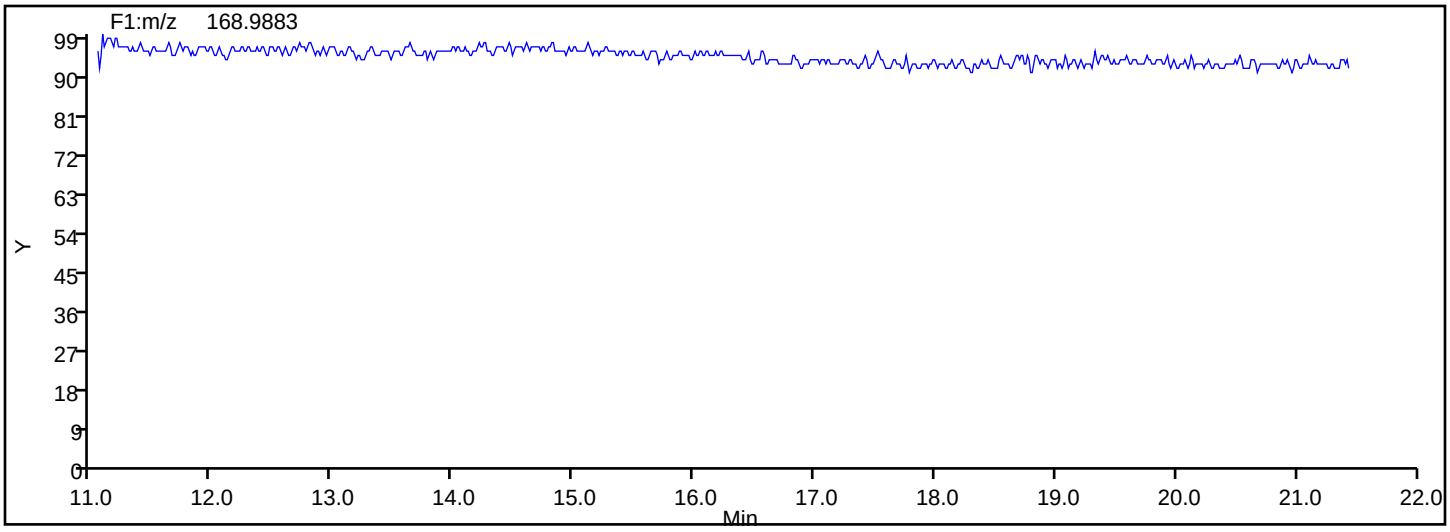
DiPCB F1




DiPCB F1 Lock Mass



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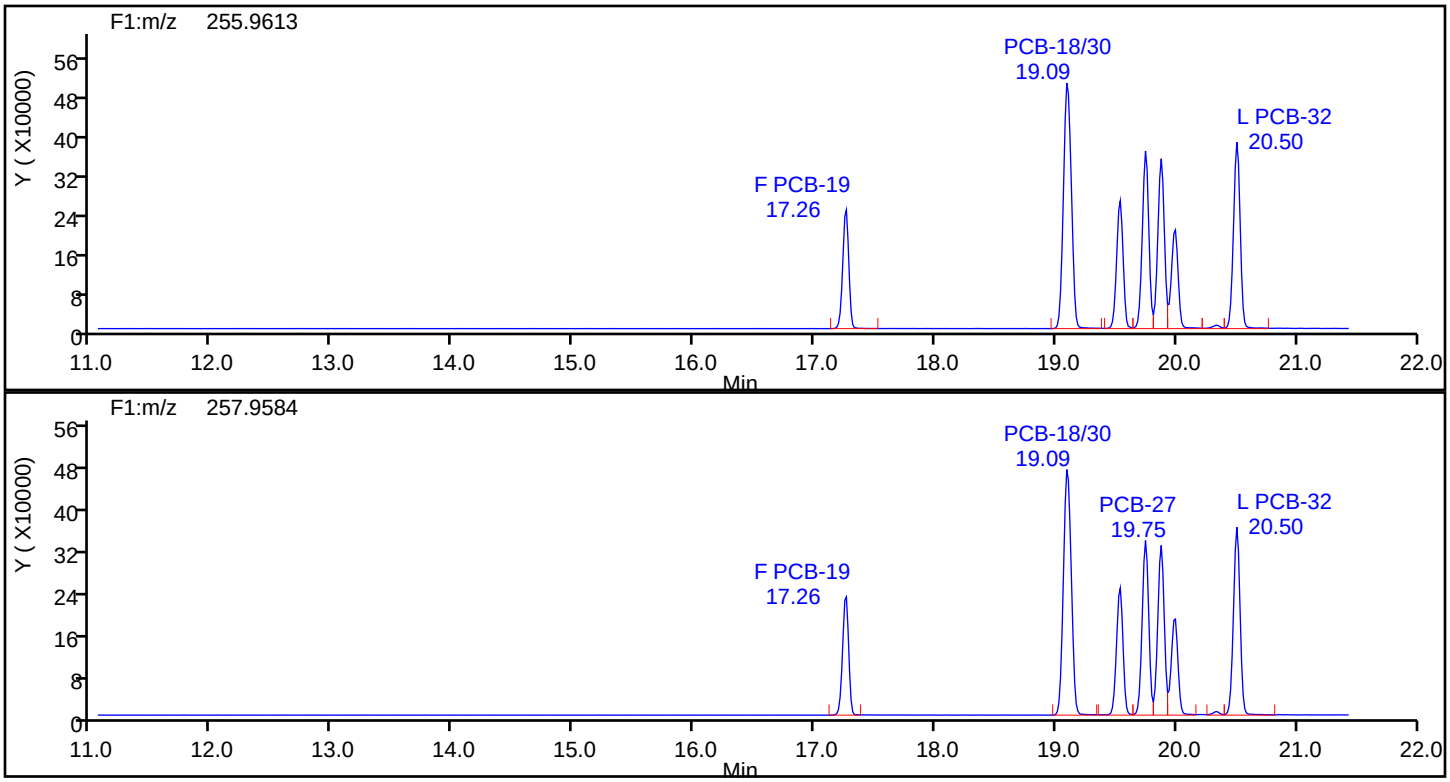
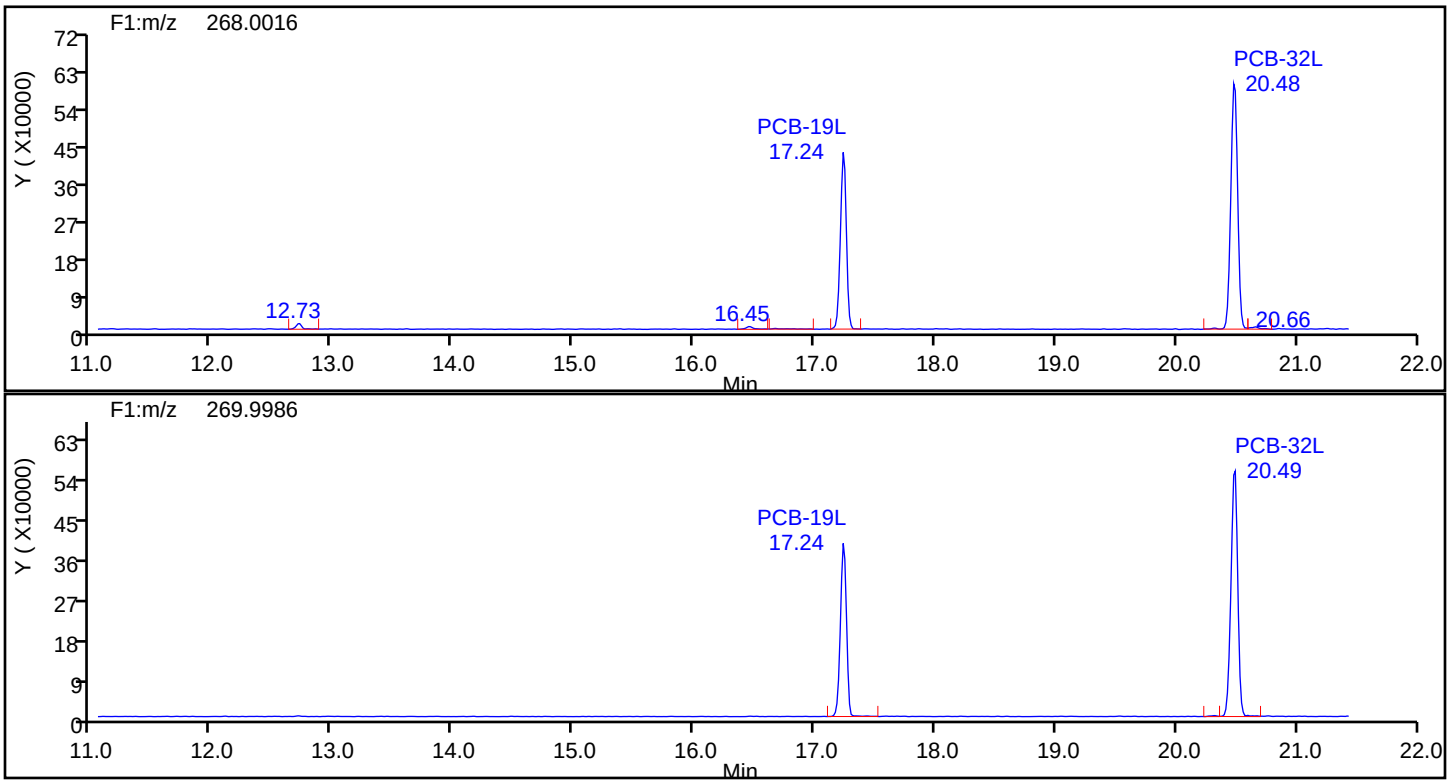
TriPCB F1




TriPCB F1 Standards



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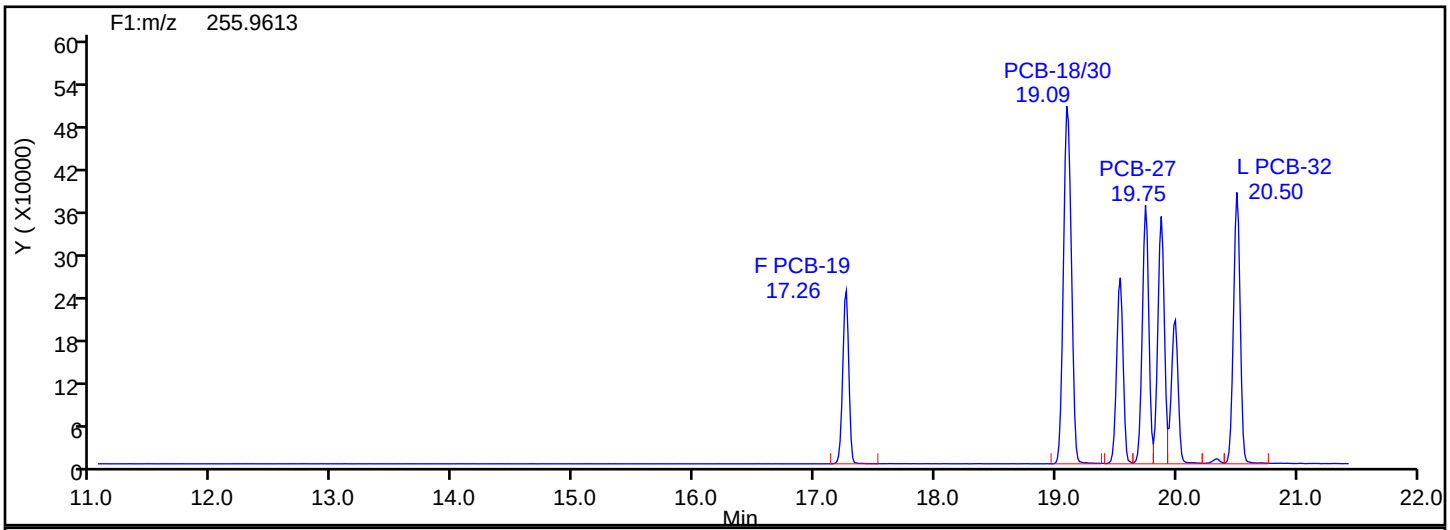
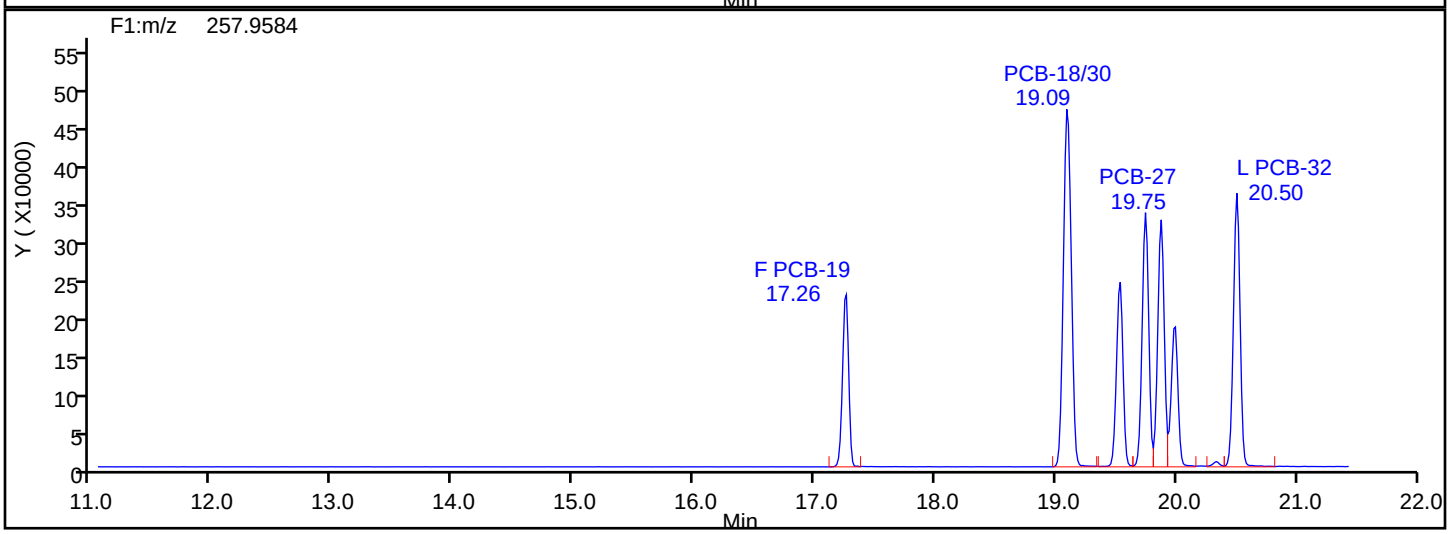
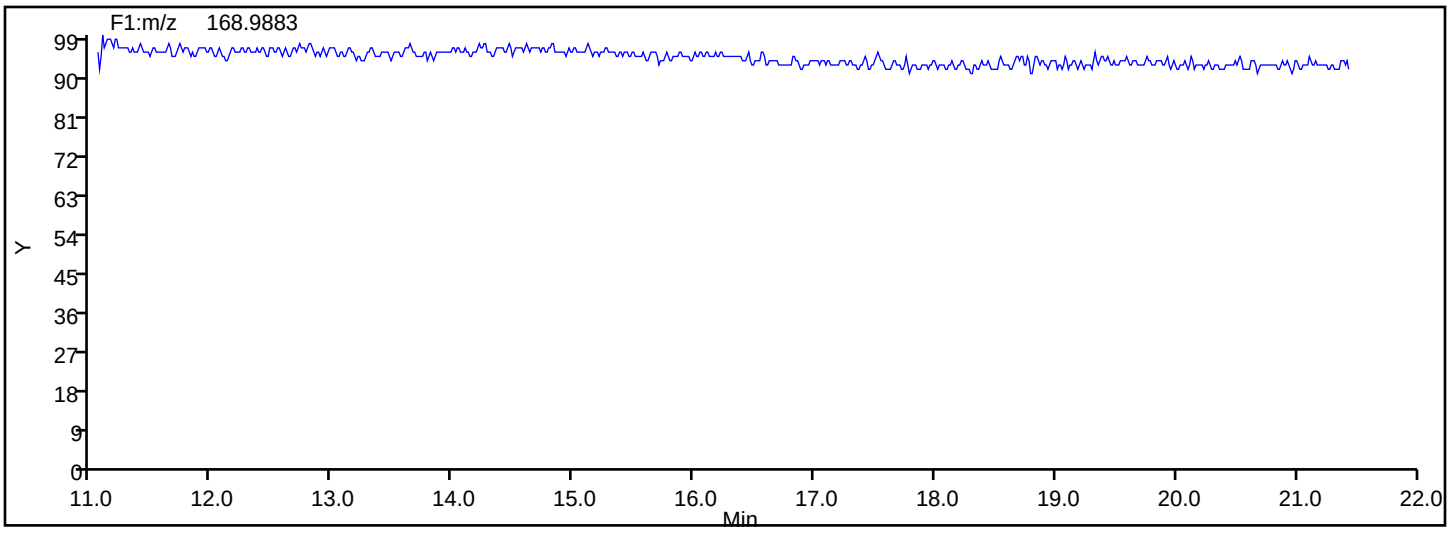
TriPCB F1




TriPCB F1 Lock Mass



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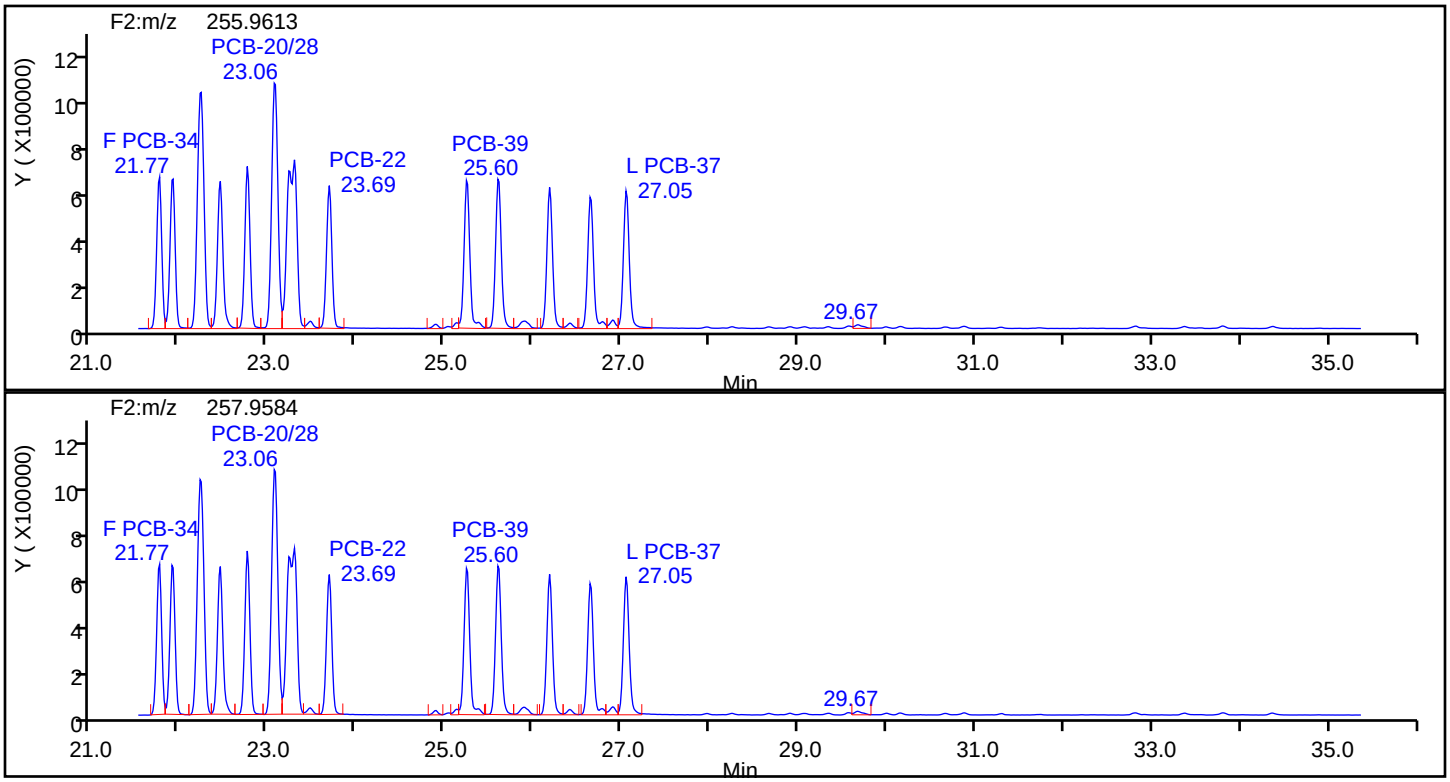
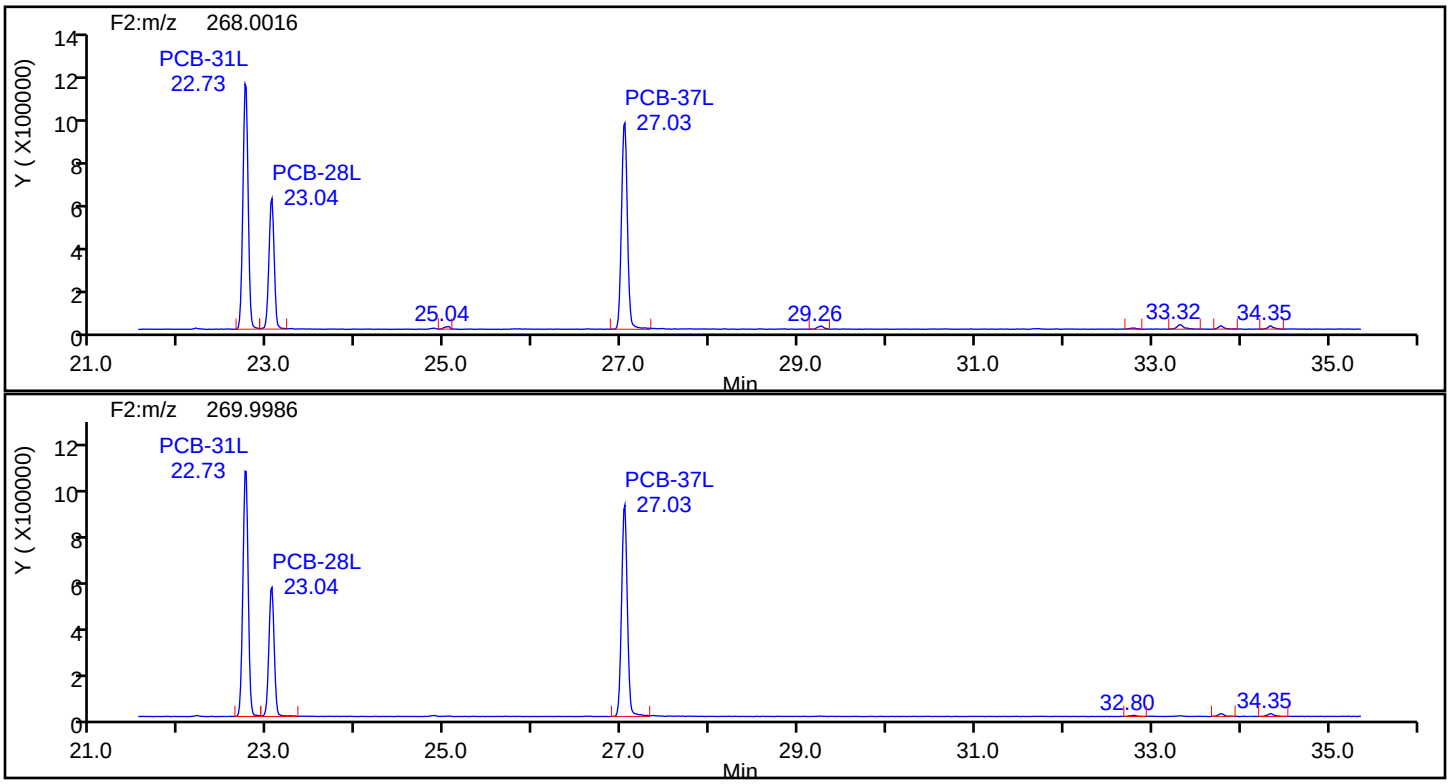
TriPCB F2




TriPCB F2 Standards



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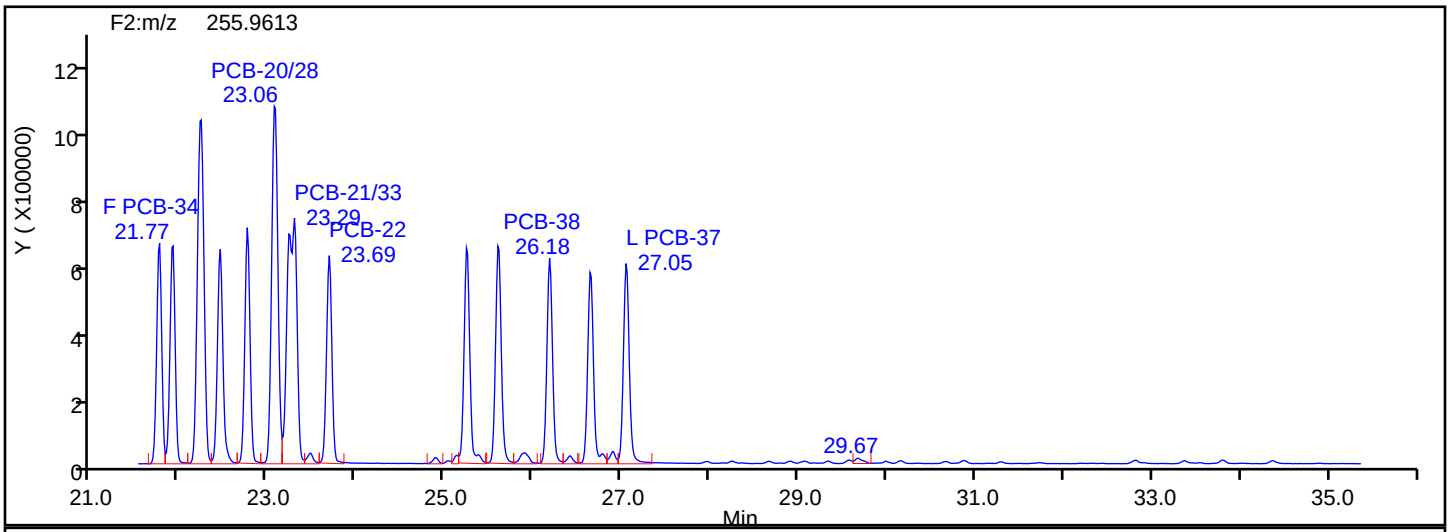
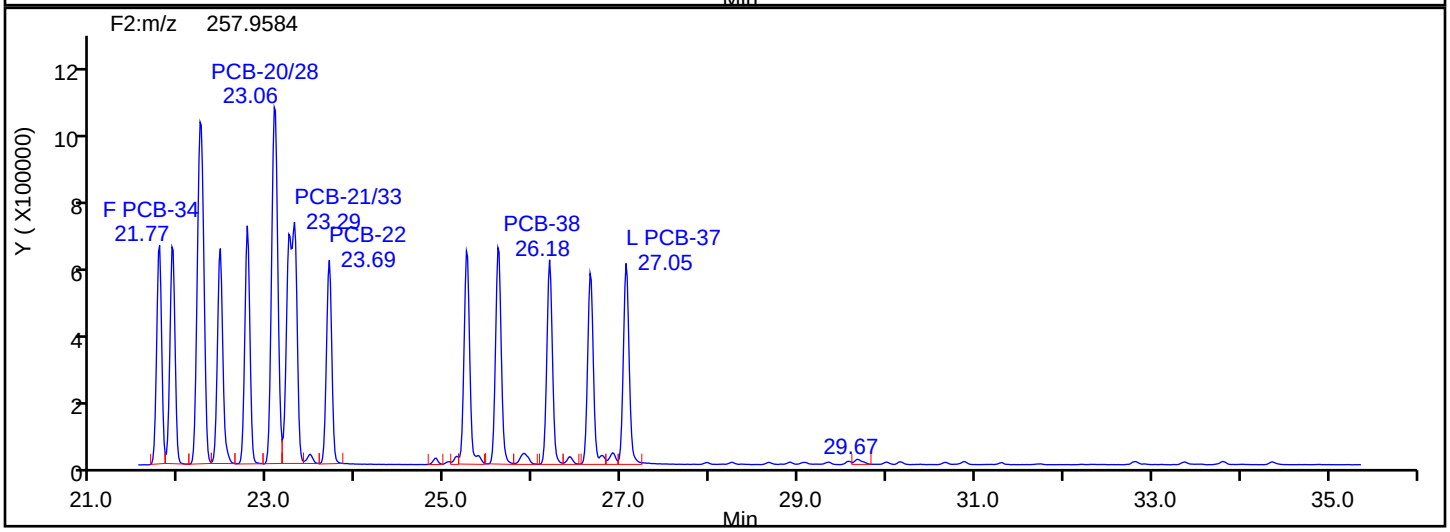
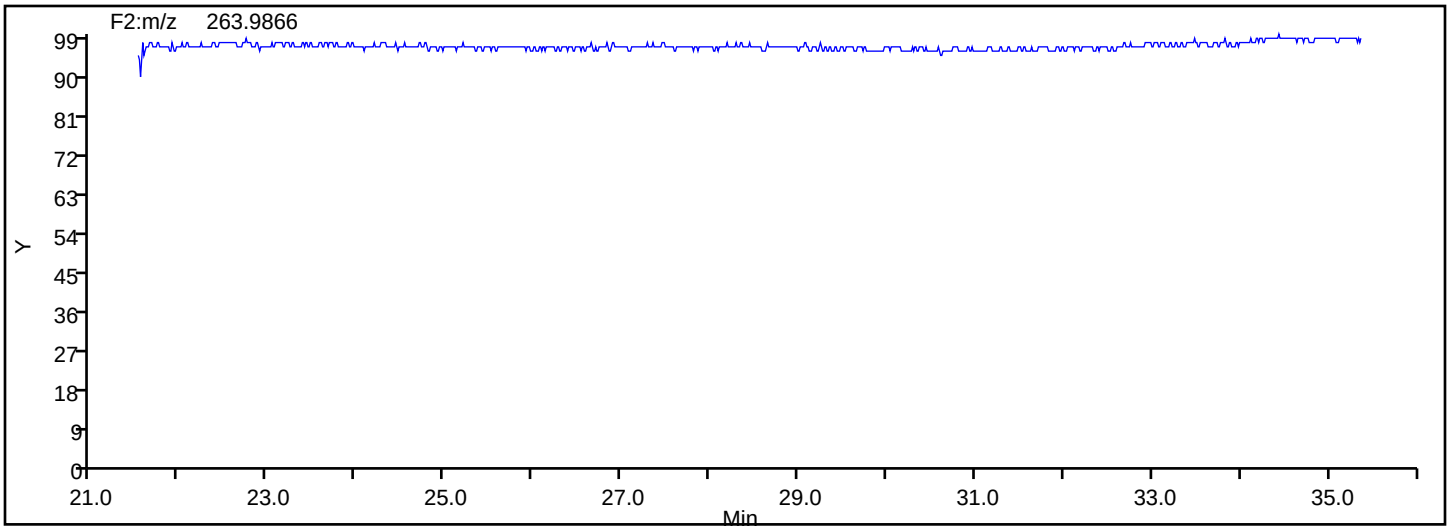
TriPCB F2




TriPCB F2 Lock Mass



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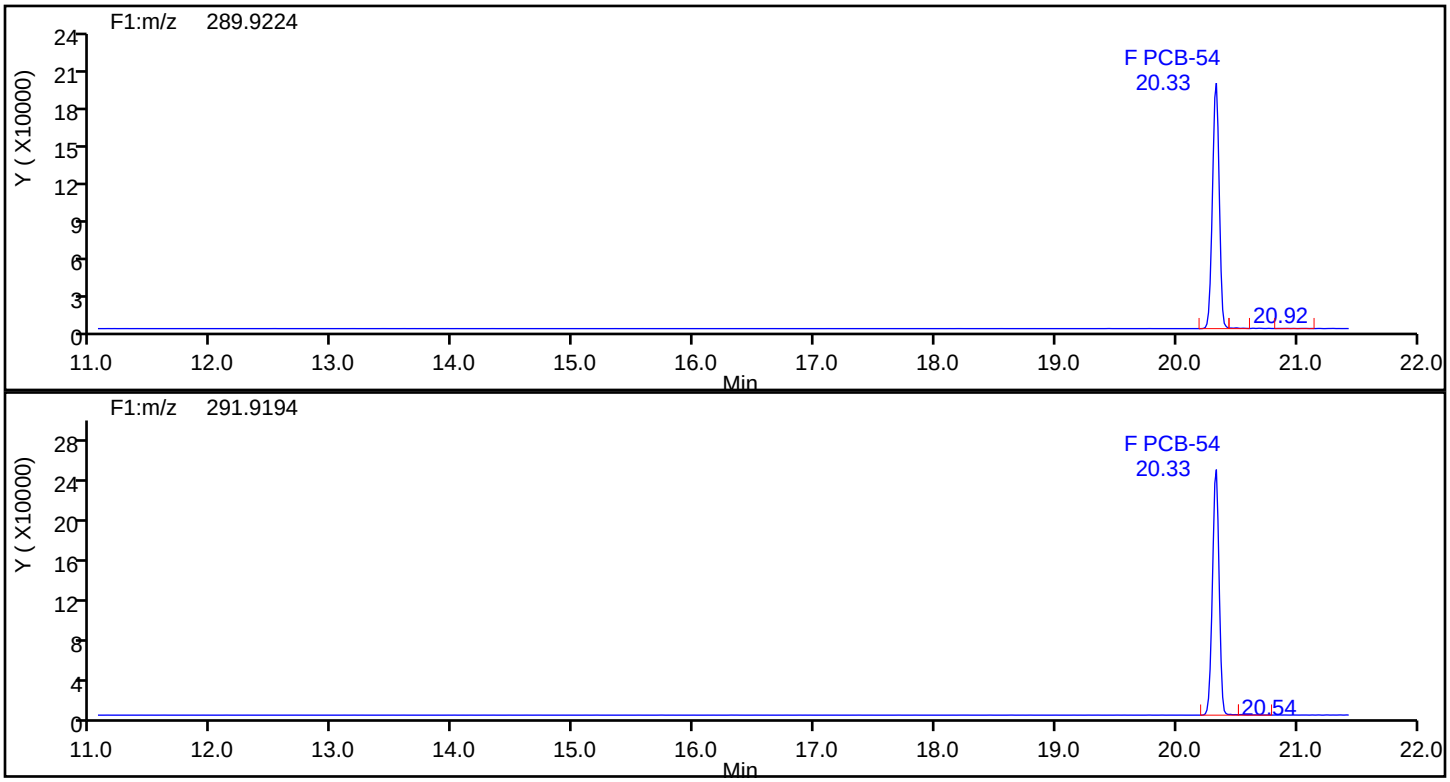
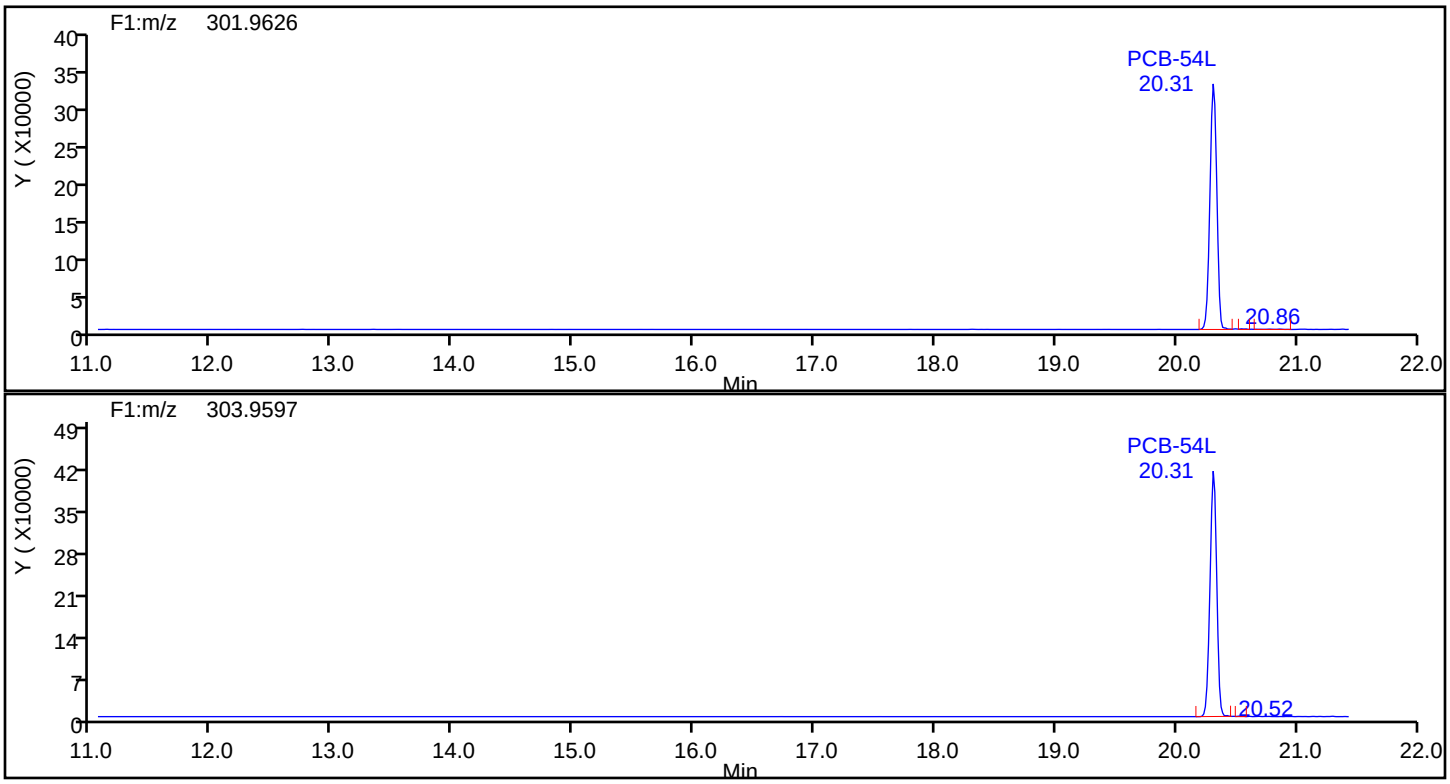
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



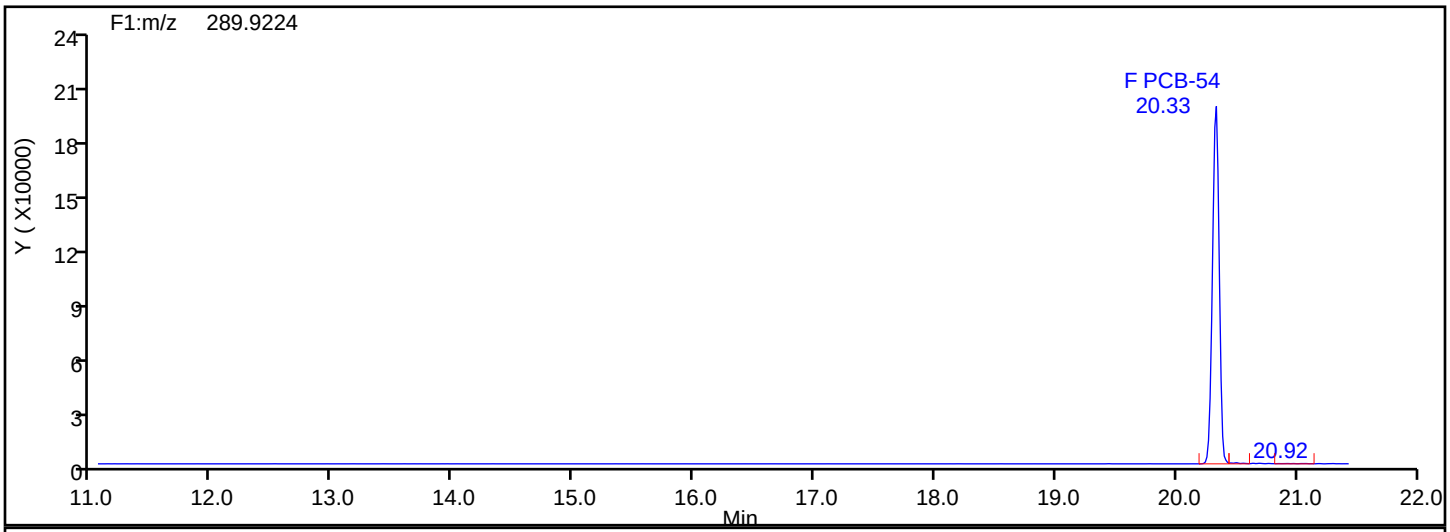

TePCB F1 Standards

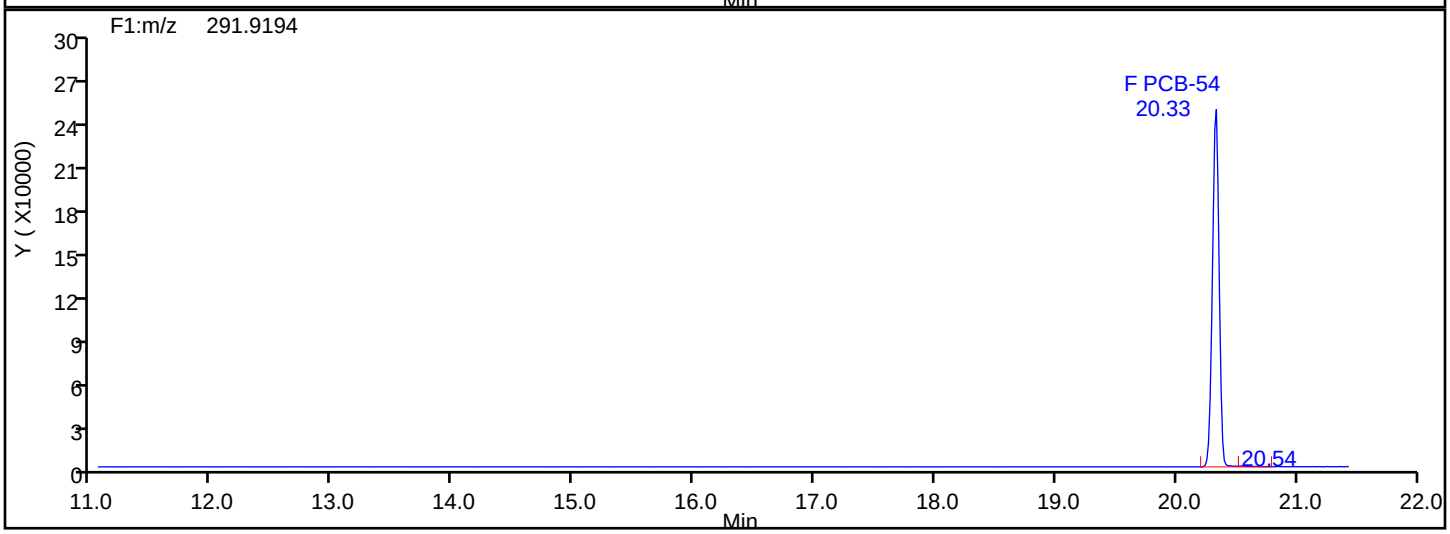


Eurofins TestAmerica, Knoxville

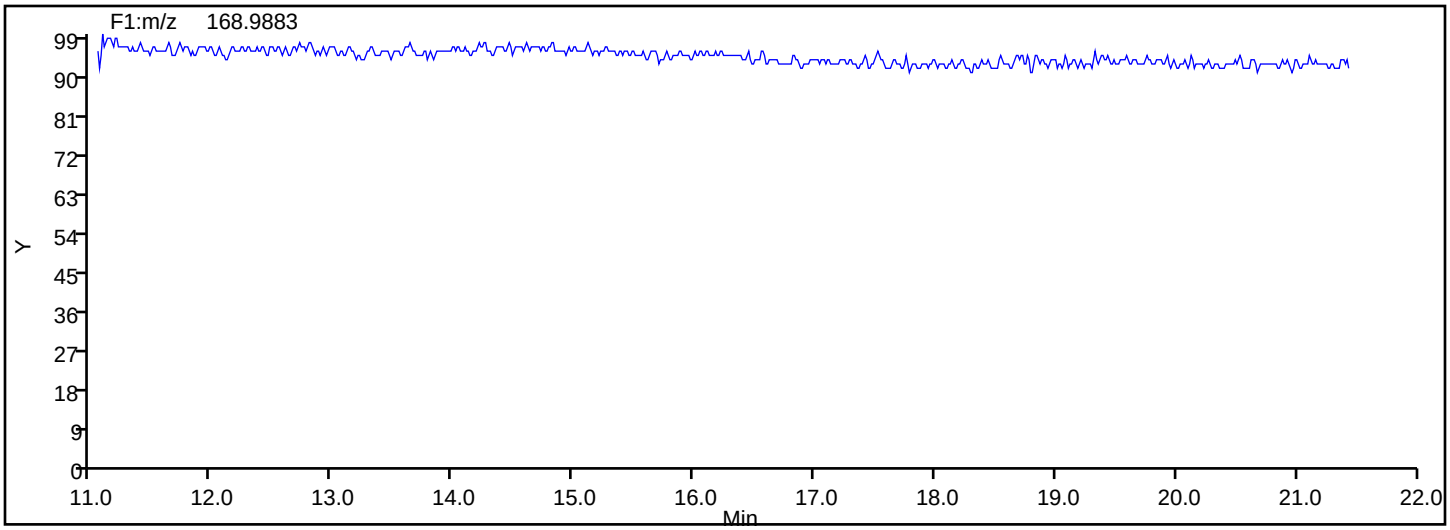
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



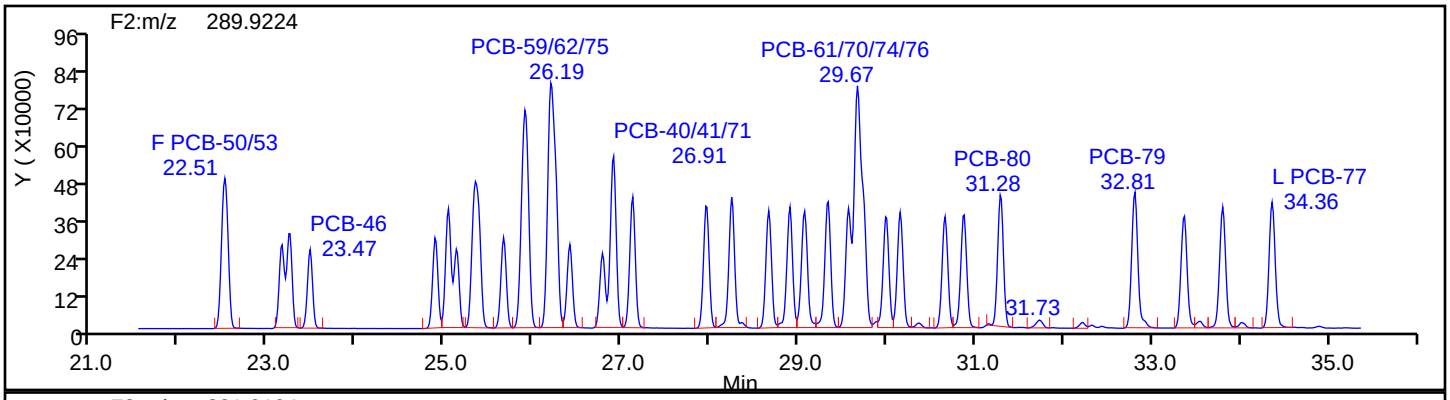

TePCB F1 Lock Mass

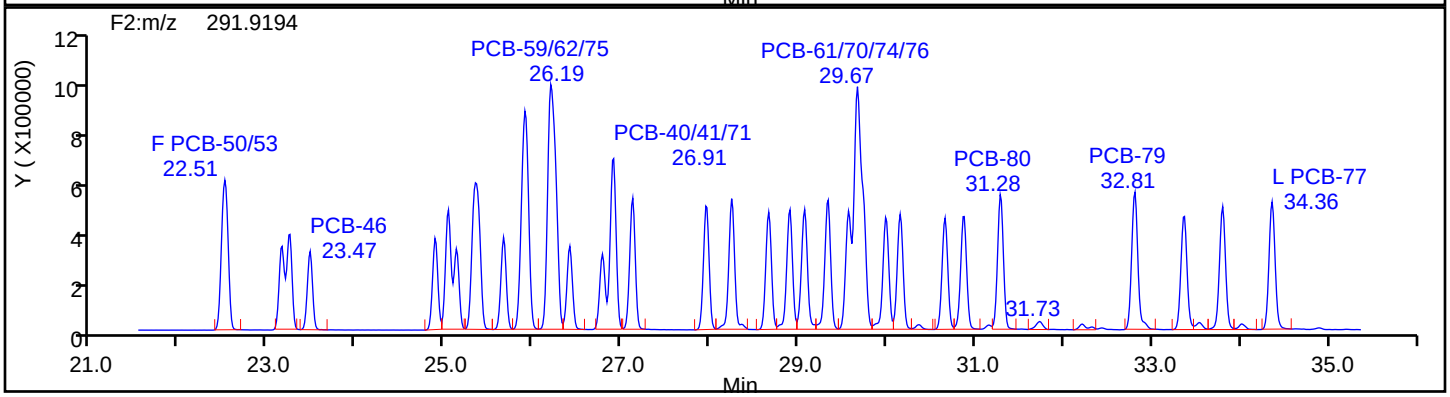


Eurofins TestAmerica, Knoxville

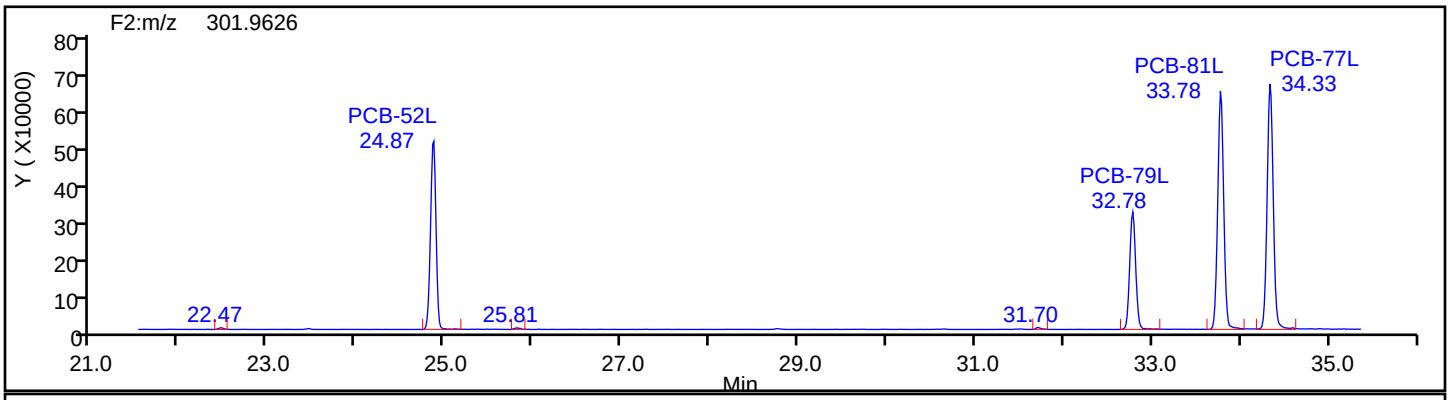
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

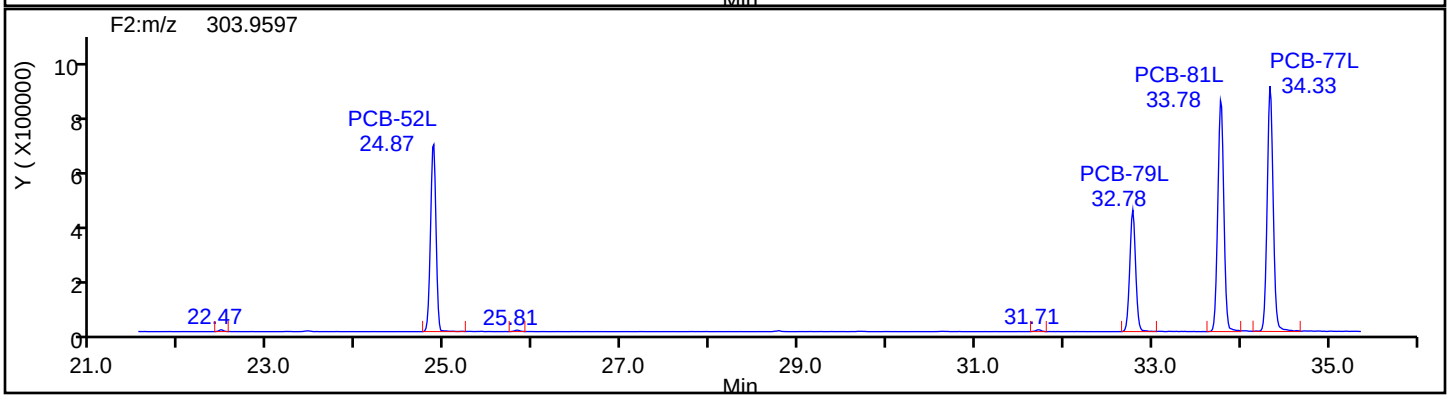
TePCB F2




TePCB F2 Standards

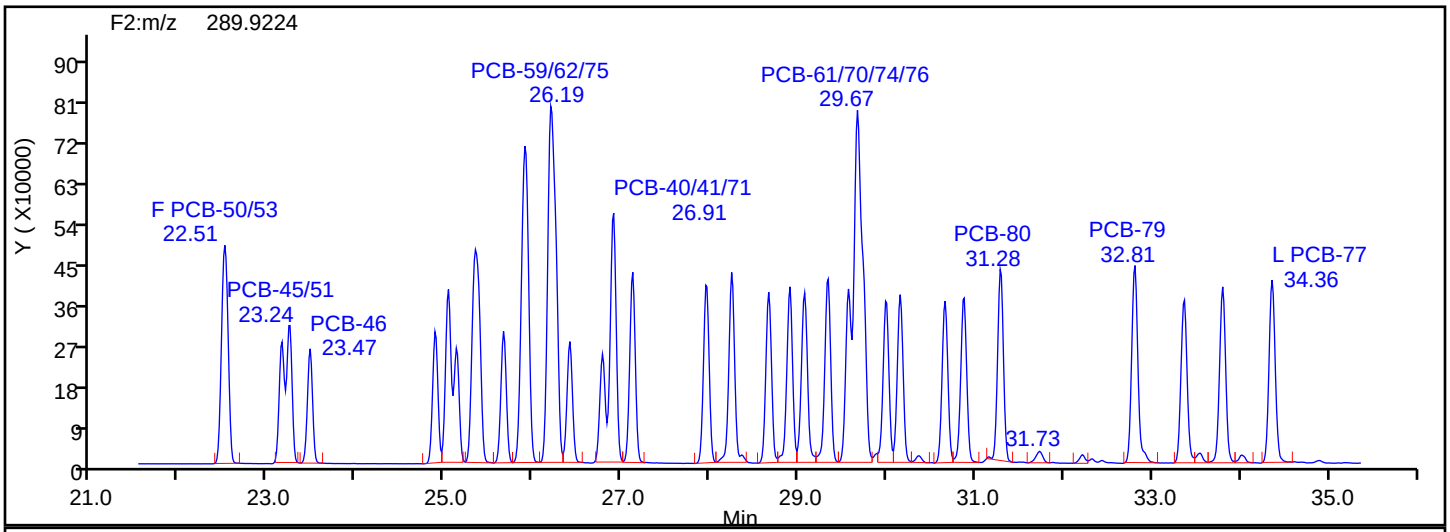


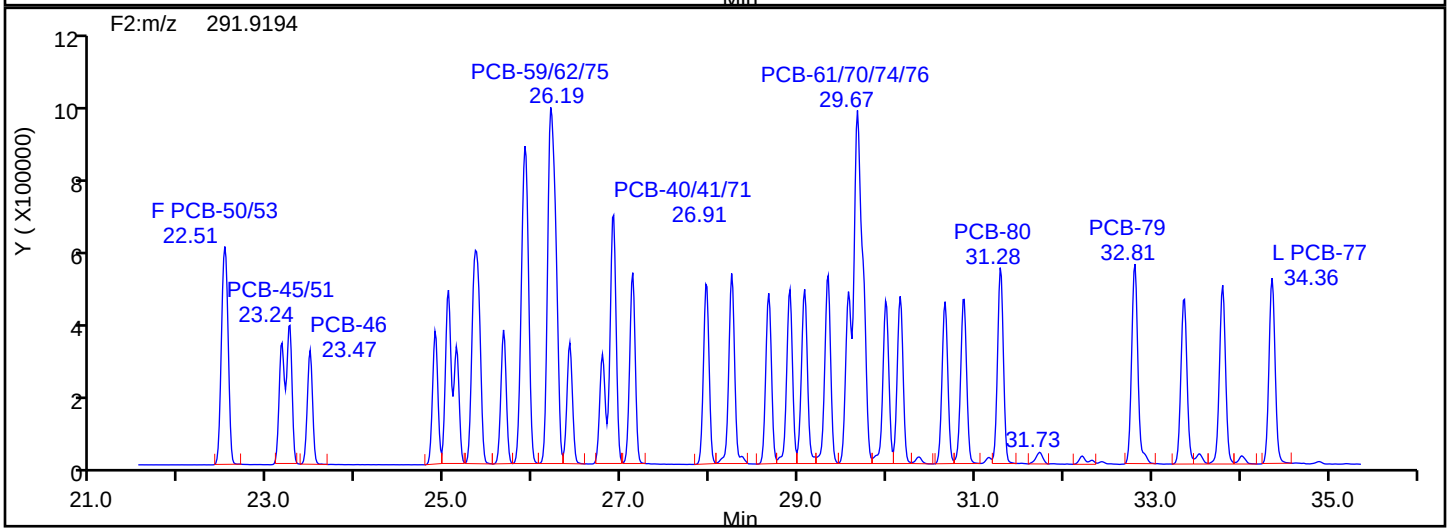



Eurofins TestAmerica, Knoxville

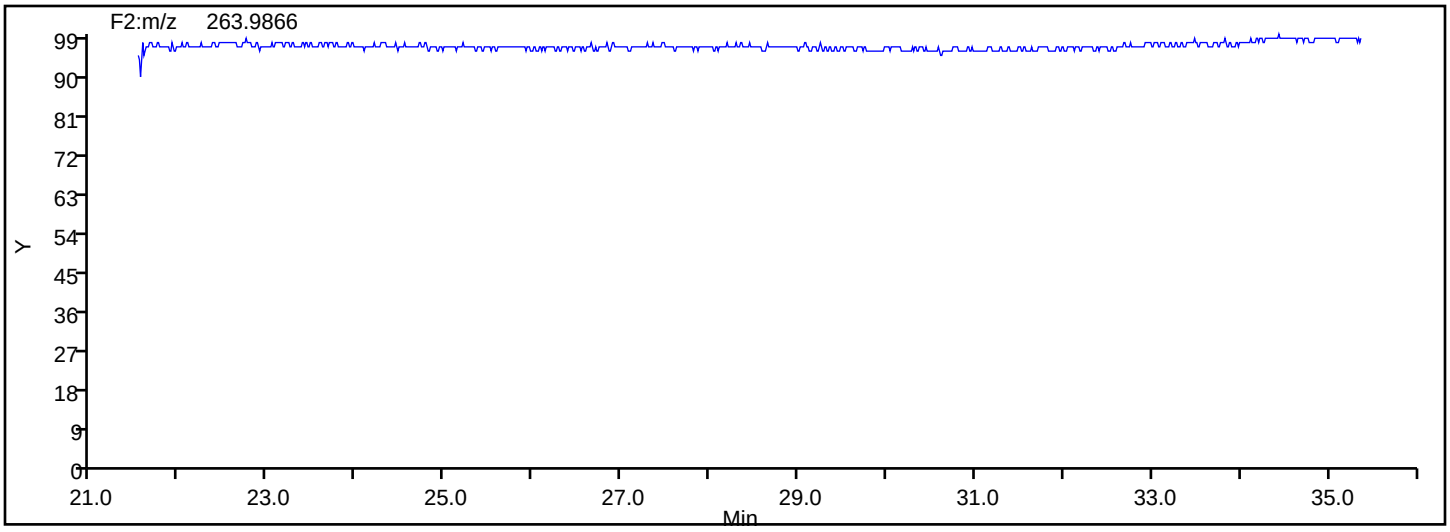
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

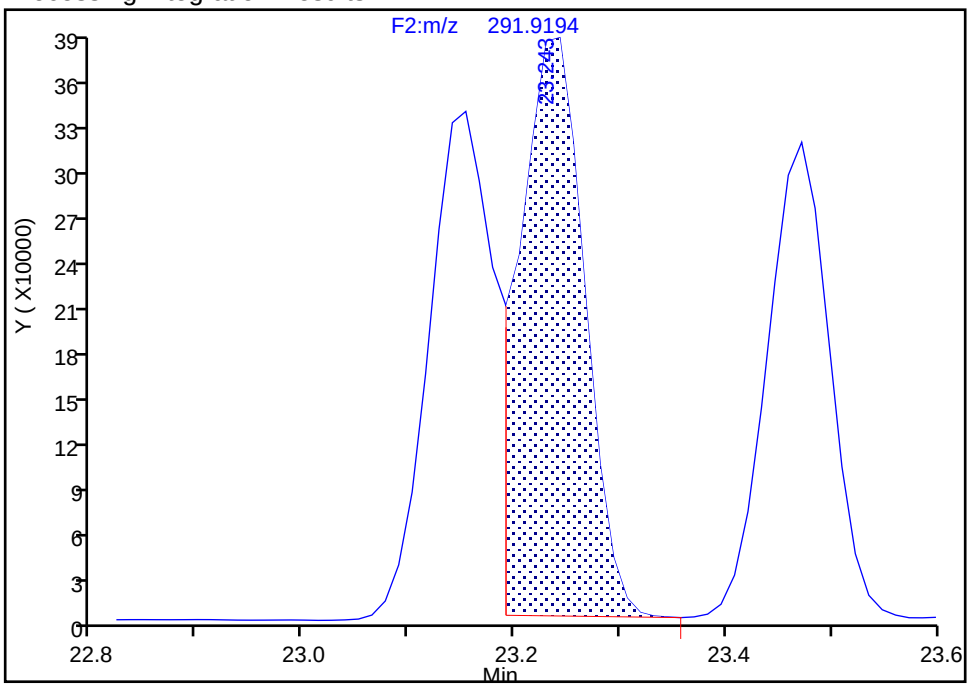
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

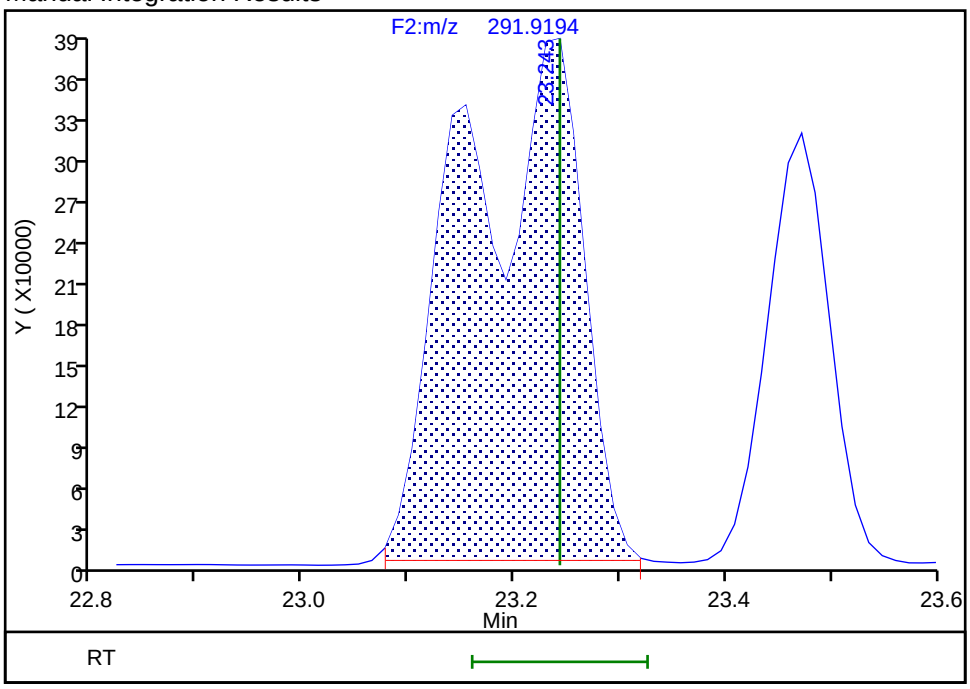
Processing Integration Results

RT: 23.24
Area: 1593381
Amount: 46.041234
Amount Units: pg/ul




Manual Integration Results

RT: 23.24
Area: 2962490
Amount: 85.421609
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:29:30

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

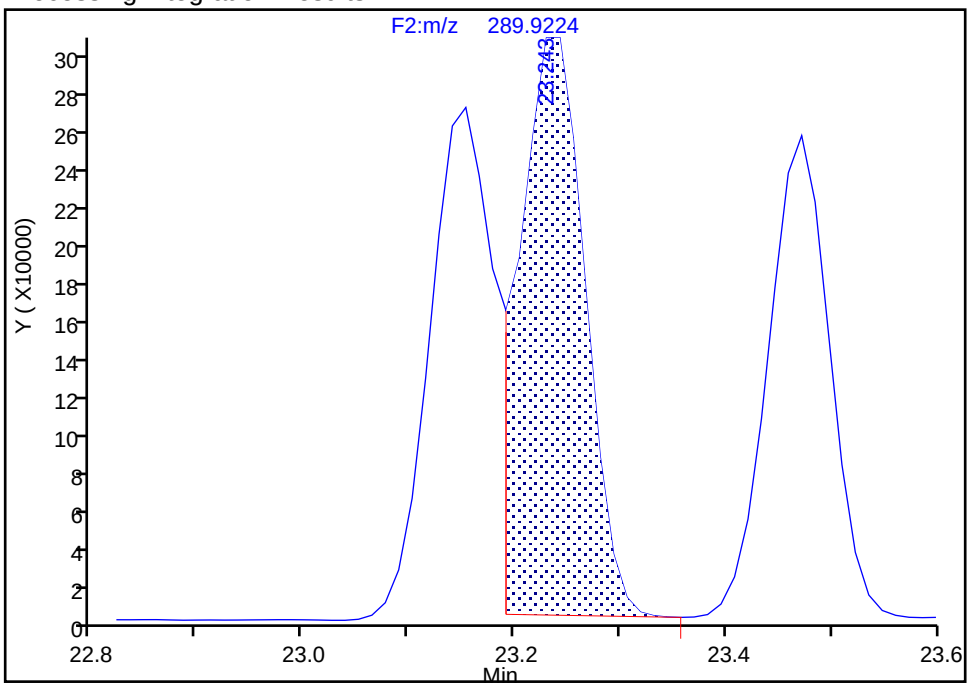
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

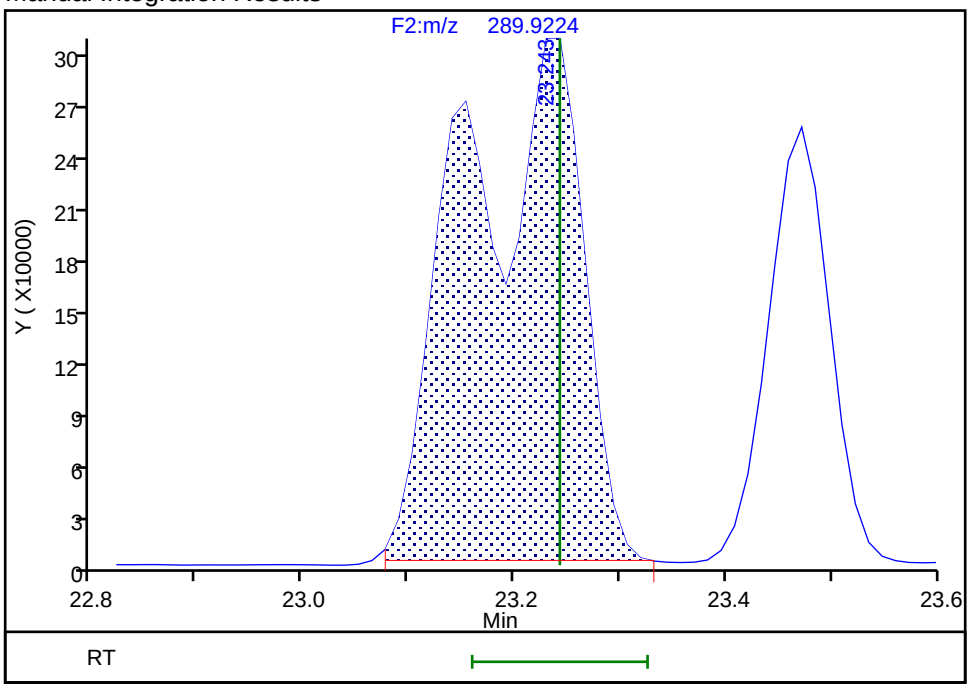
Processing Integration Results

RT: 23.24
Area: 1275565
Amount: 46.041234
Amount Units: pg/ul




Manual Integration Results

RT: 23.24
Area: 2360347
Amount: 85.421609
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:29:36

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

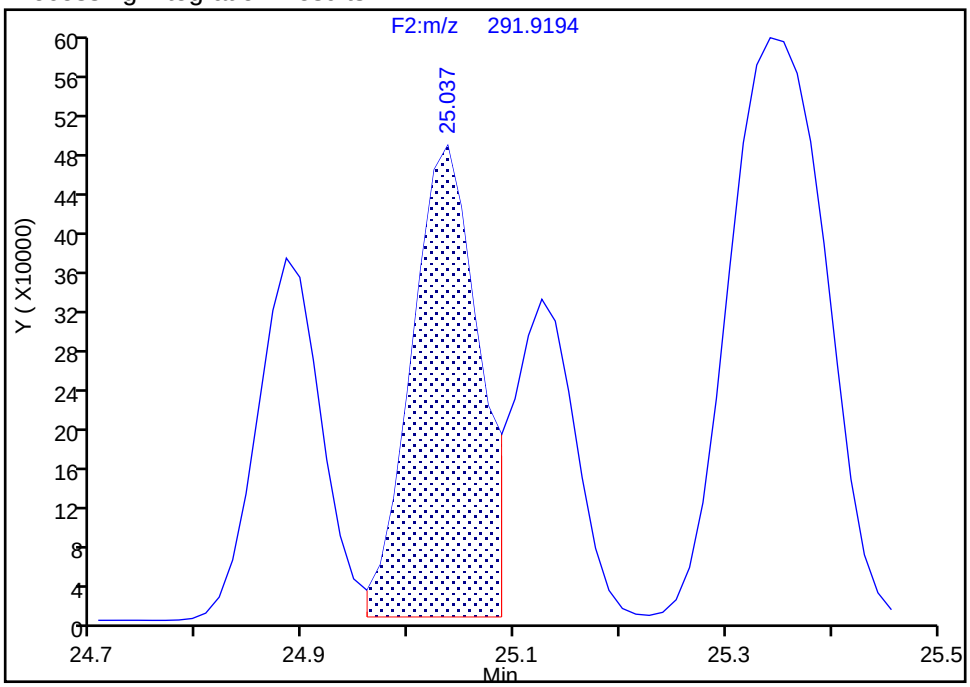
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

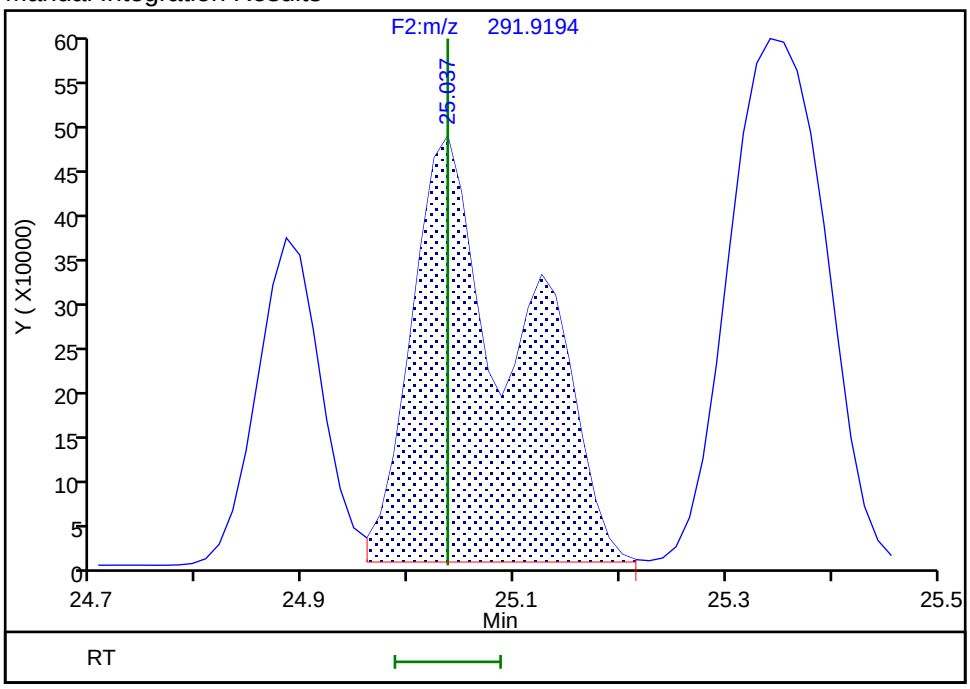
Processing Integration Results

RT: 25.04
Area: 2089297
Amount: 53.317636
Amount Units: pg/ul




Manual Integration Results

RT: 25.04
Area: 3382769
Amount: 86.221594
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:30:46

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

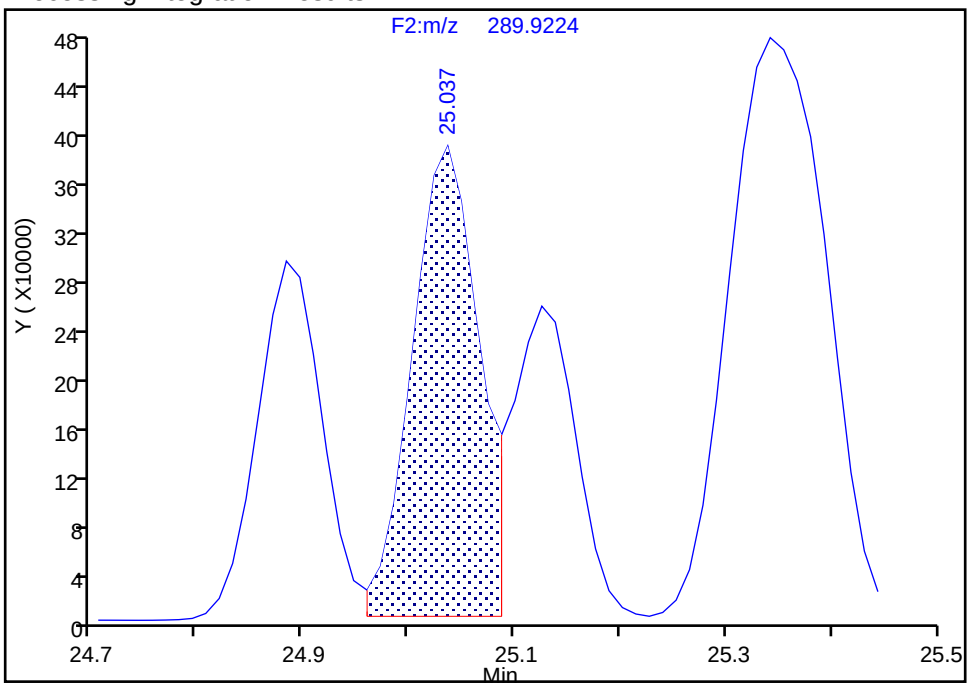
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

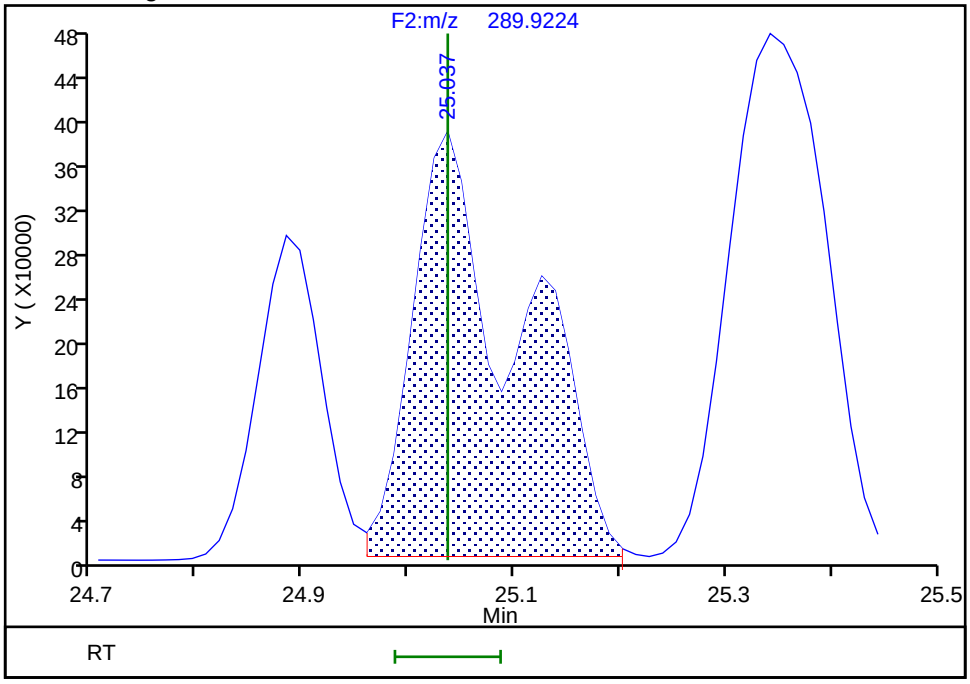
Processing Integration Results

RT: 25.04
Area: 1662204
Amount: 53.317636
Amount Units: pg/ul




Manual Integration Results

RT: 25.04
Area: 2683899
Amount: 86.221594
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:30:49
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

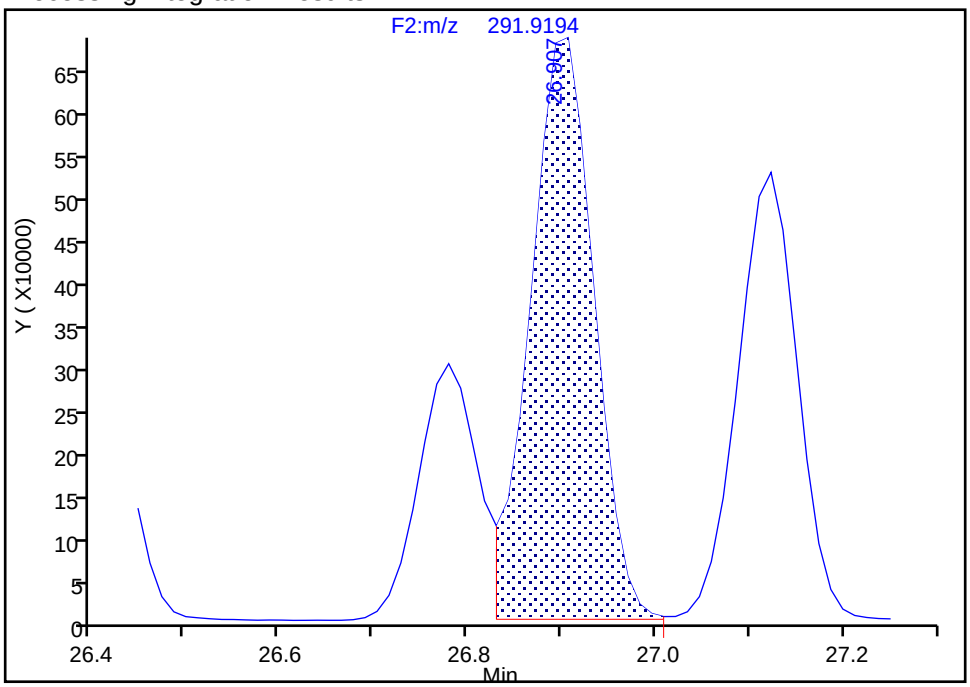
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 2

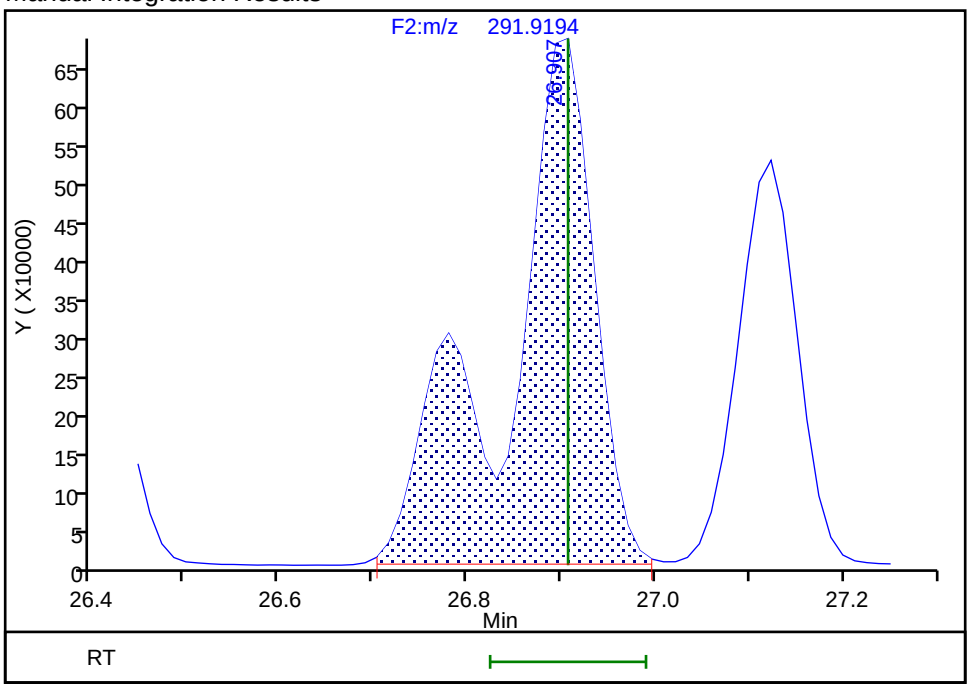
Processing Integration Results

RT: 26.91
Area: 3208001
Amount: 89.232519
Amount Units: pg/ul




Manual Integration Results

RT: 26.91
Area: 4490187
Amount: 124.6167
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:31:13
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

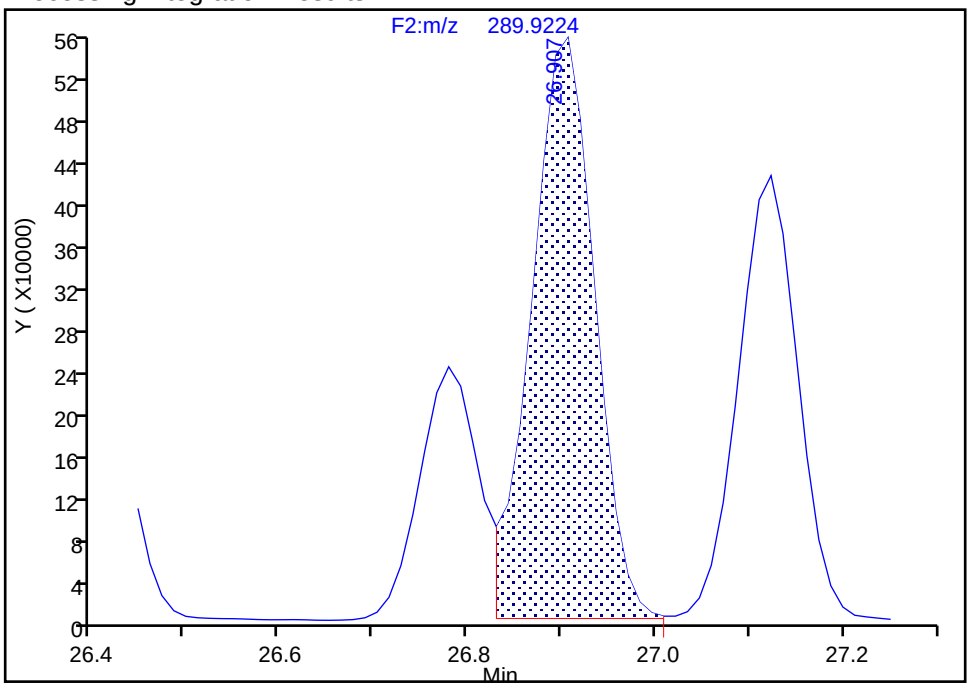
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

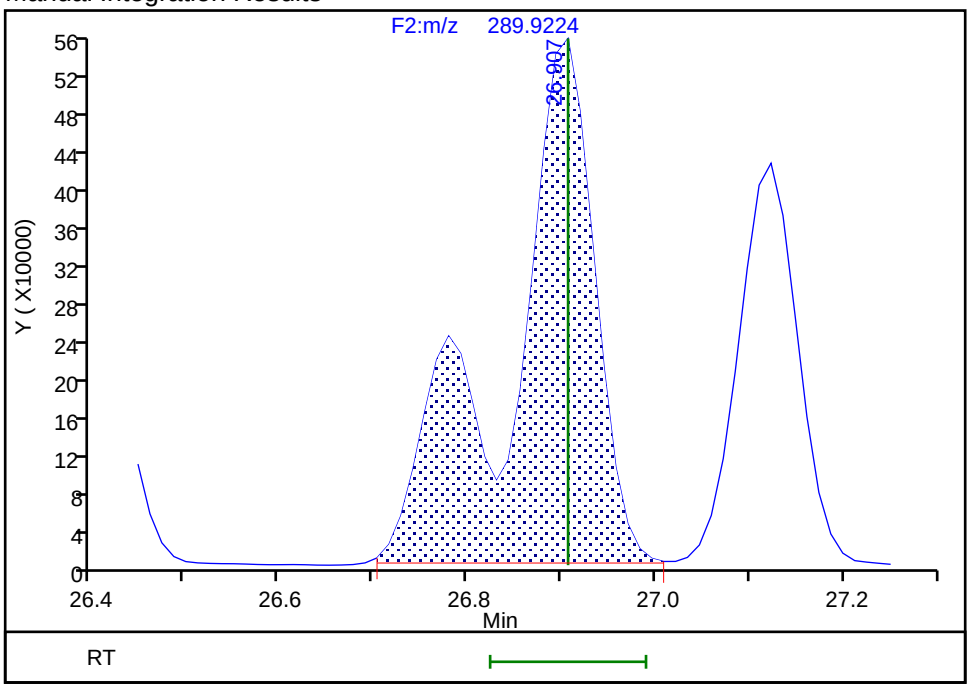
Processing Integration Results

RT: 26.91
Area: 2558813
Amount: 89.232519
Amount Units: pg/ul




Manual Integration Results

RT: 26.91
Area: 3563396
Amount: 124.6167
Amount Units: pg/ul



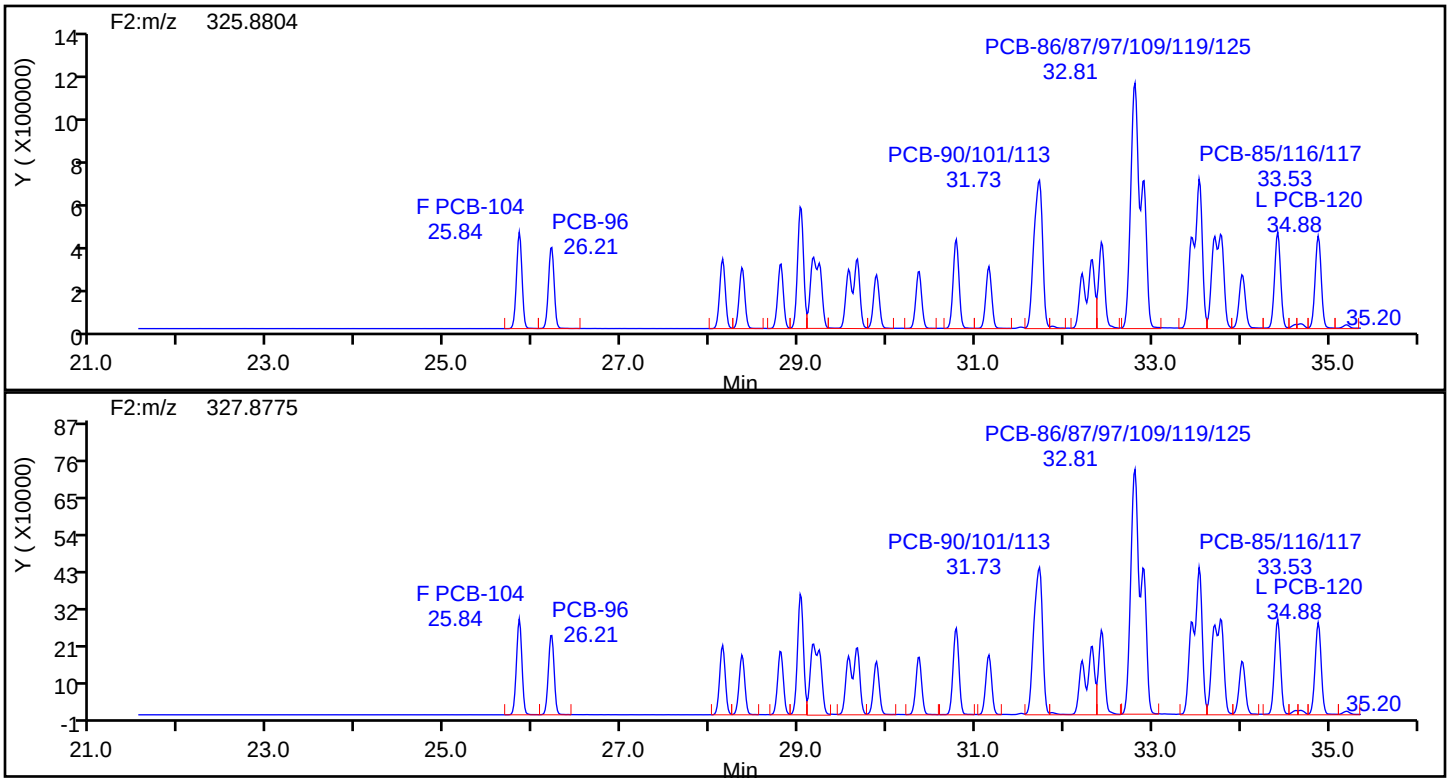

Reviewer: nordquistj, 03-Oct-2019 12:31:16

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

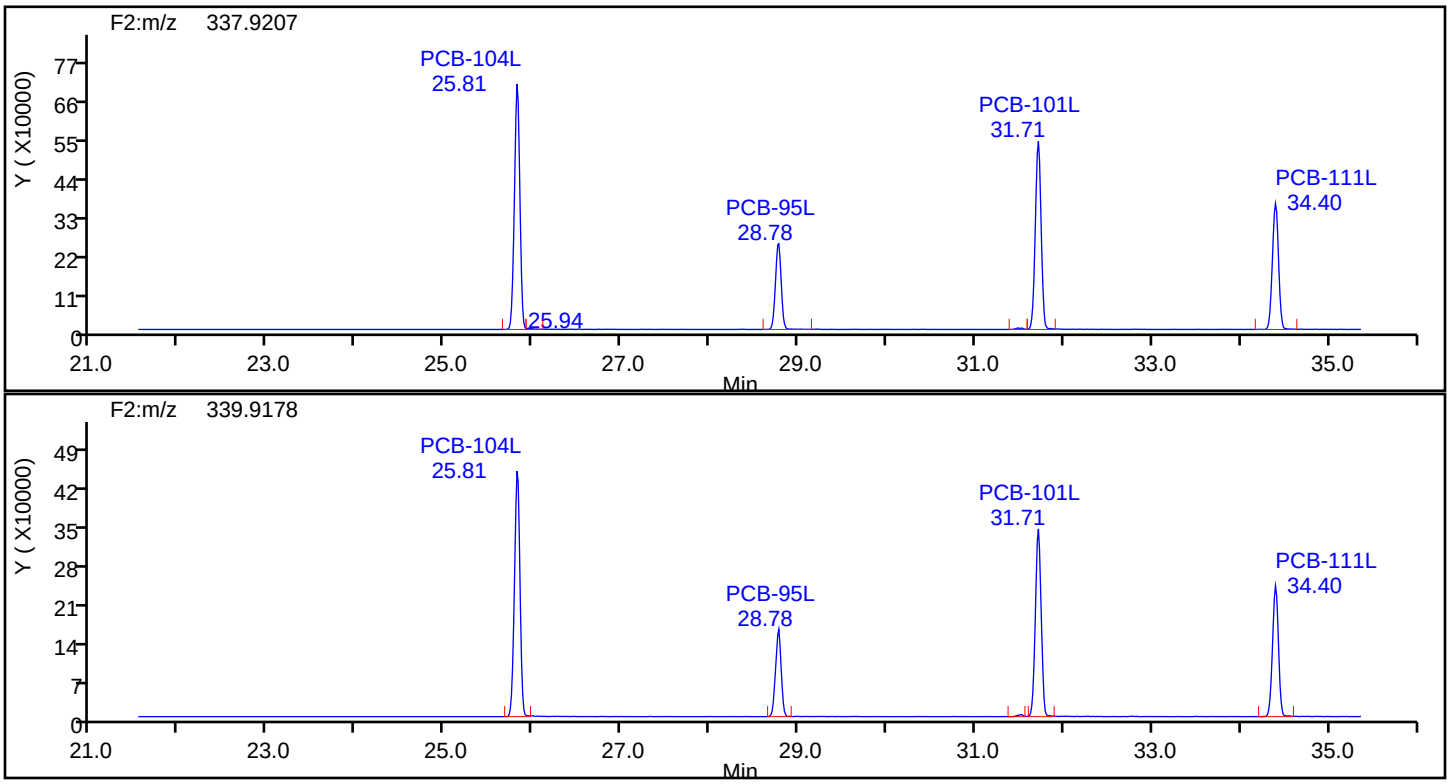
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



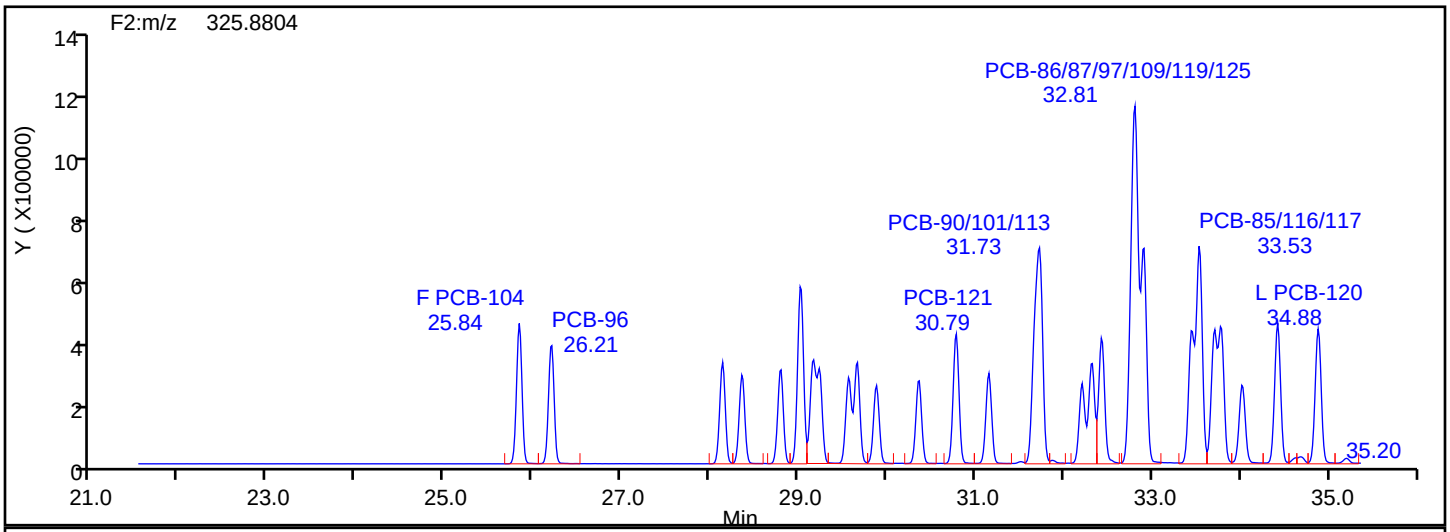

PePCB F2 Standards

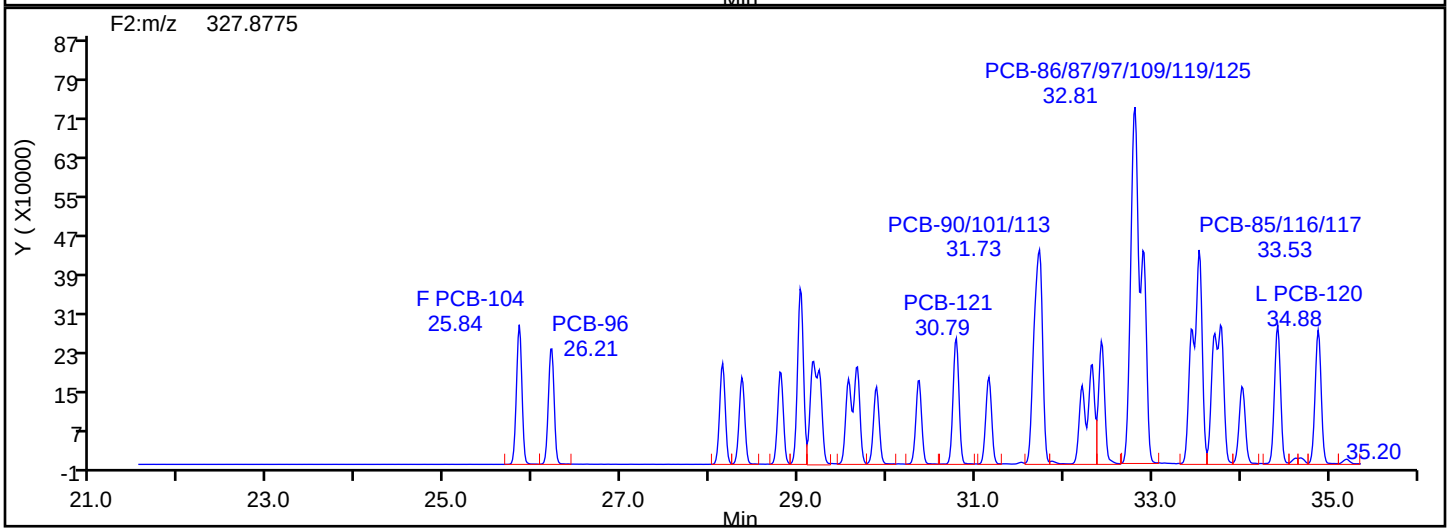


Eurofins TestAmerica, Knoxville

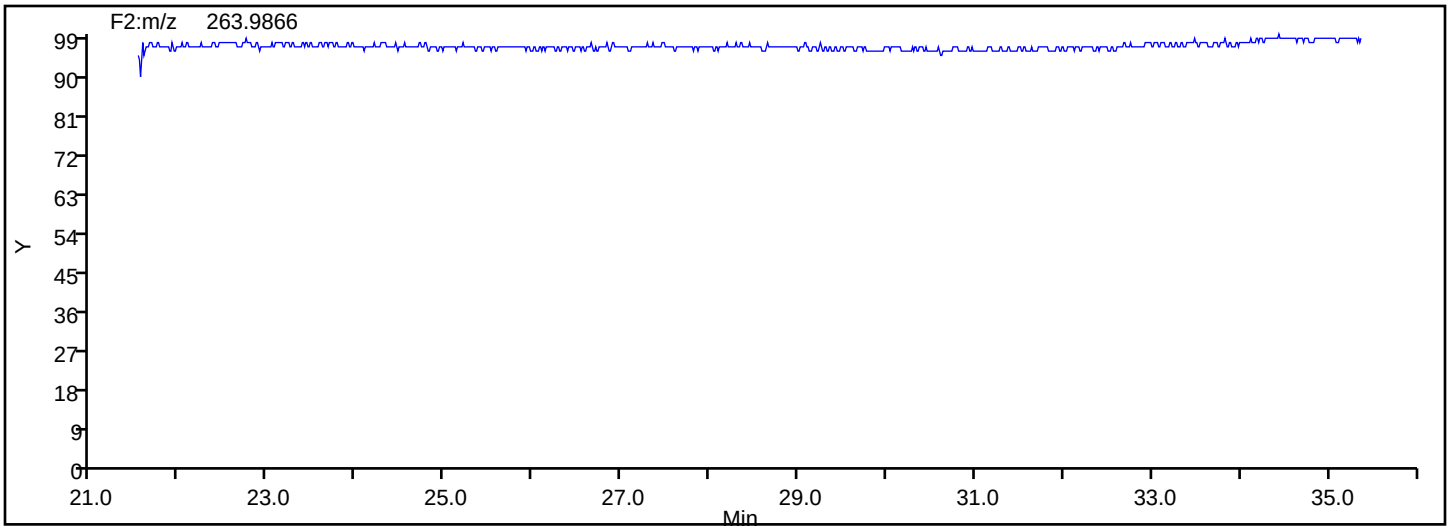
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

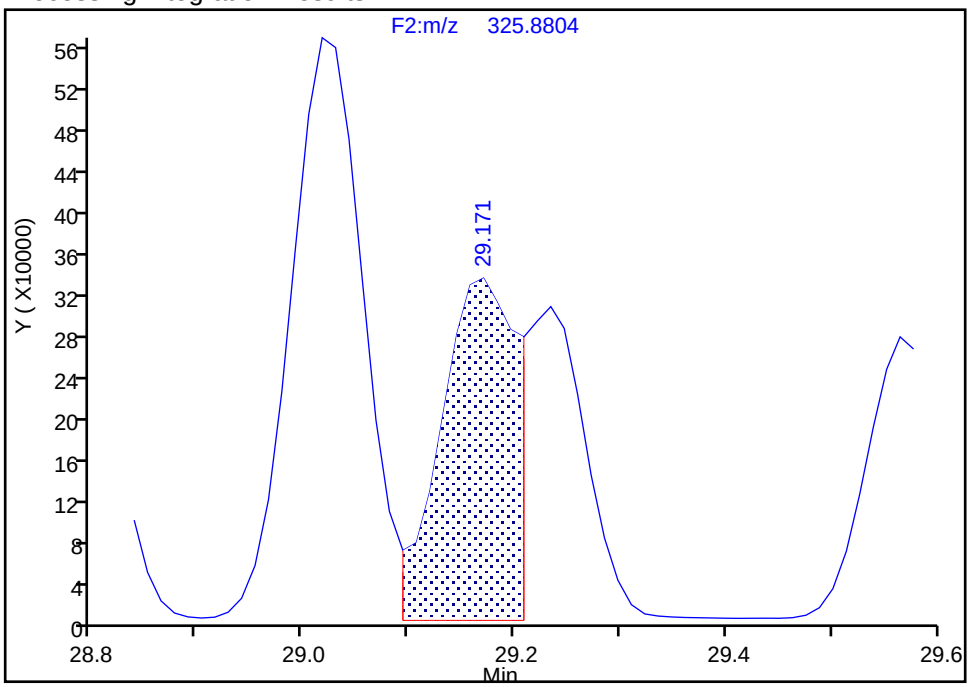
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

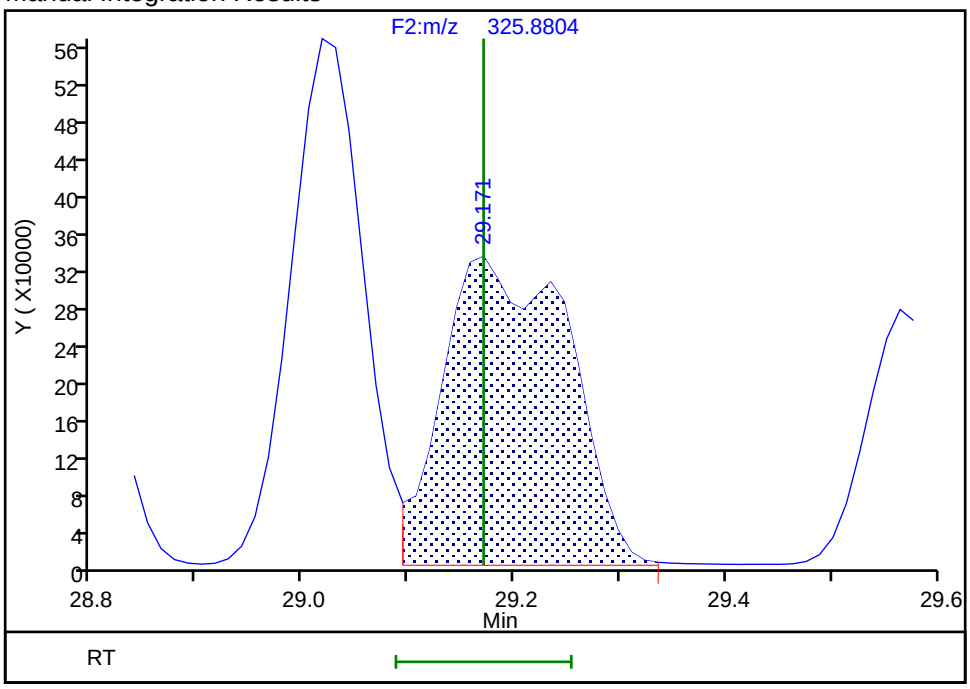
Processing Integration Results

RT: 29.17
Area: 1607039
Amount: 53.825722
Amount Units: pg/ul




Manual Integration Results

RT: 29.17
Area: 2754511
Amount: 92.414859
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:31:47
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

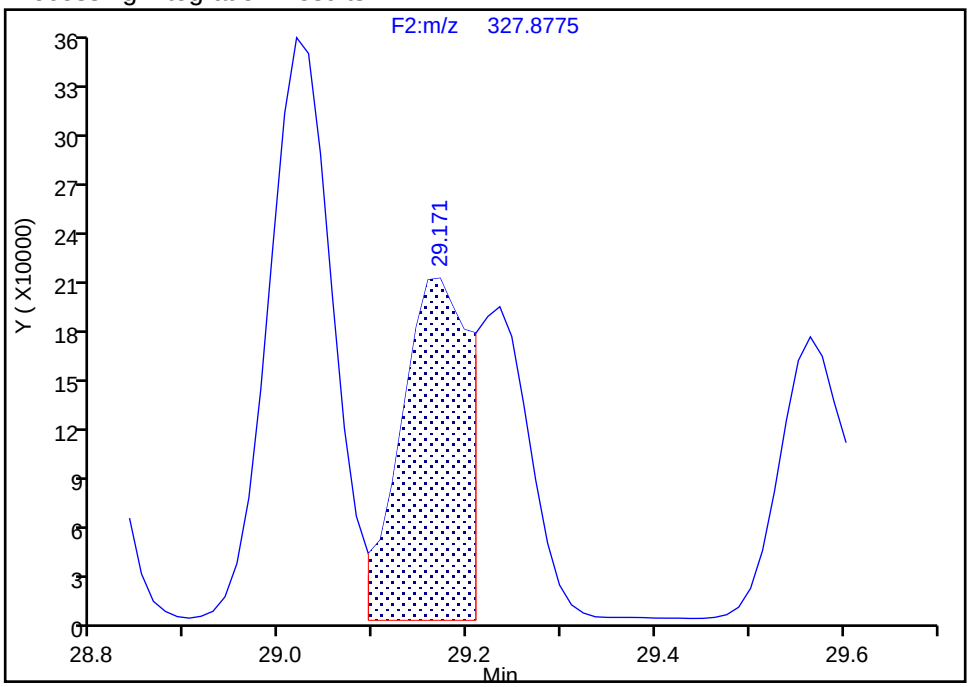
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

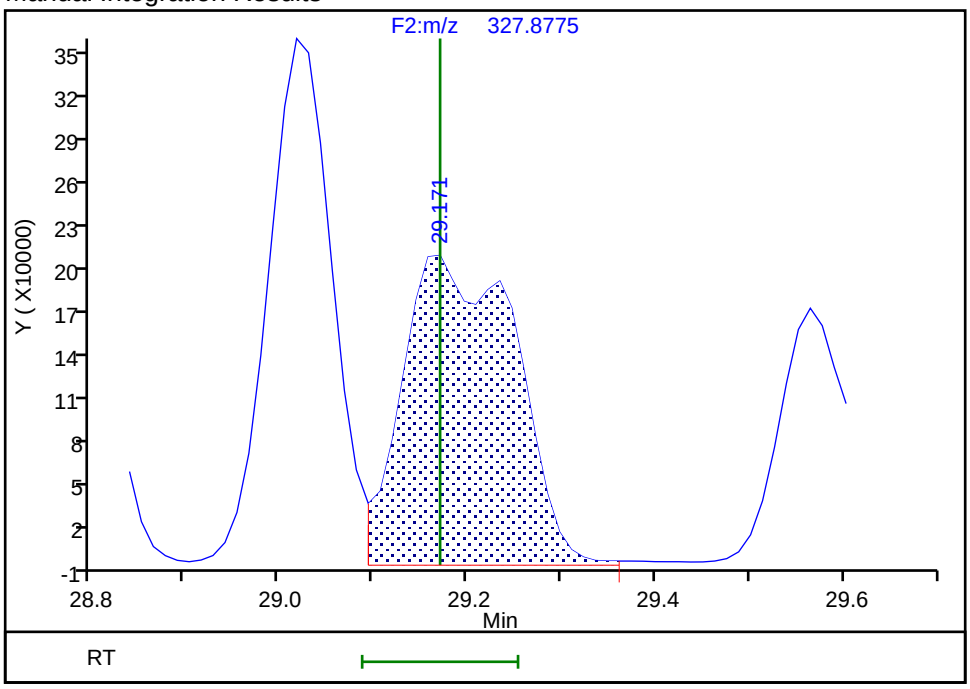
Processing Integration Results

RT: 29.17
Area: 1028137
Amount: 53.825722
Amount Units: pg/ul




Manual Integration Results

RT: 29.17
Area: 1769895
Amount: 92.414859
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:31:51
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

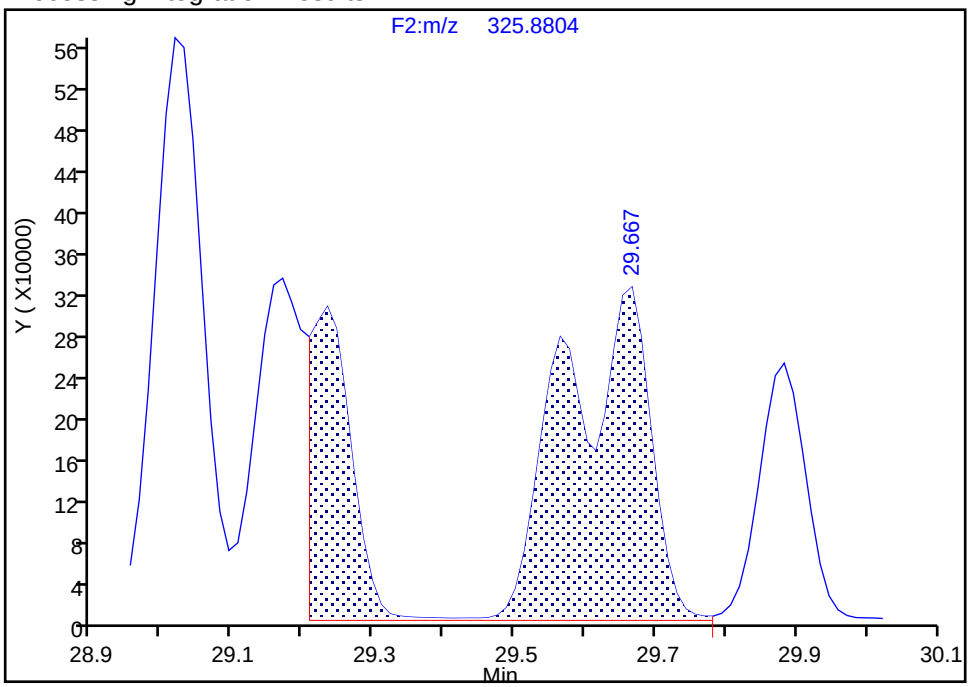
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

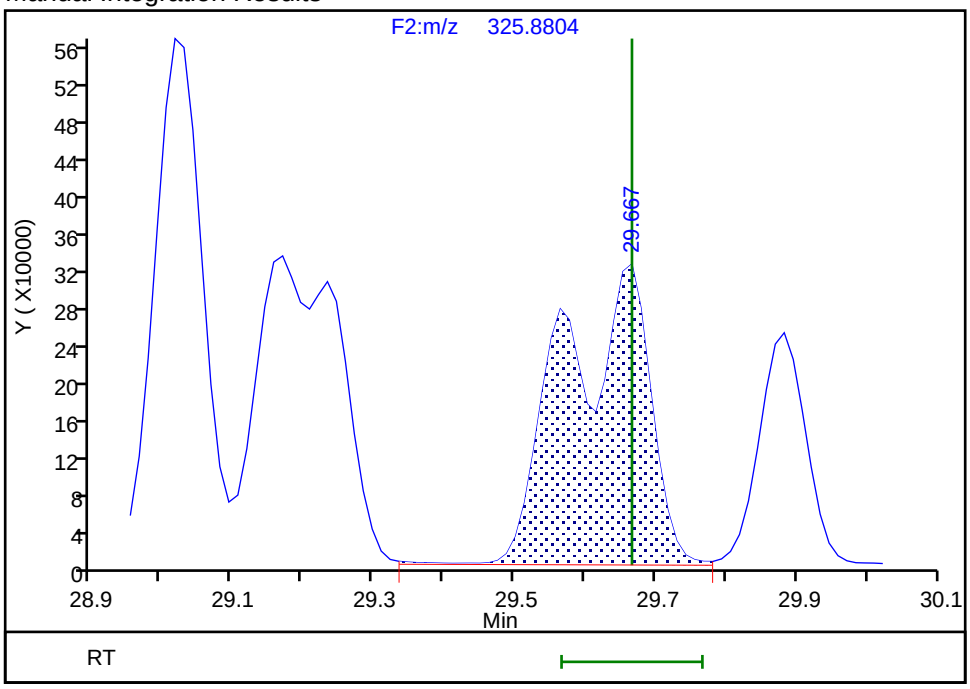
Processing Integration Results

RT: 29.67
Area: 3907050
Amount: 113.0423
Amount Units: pg/ul




Manual Integration Results

RT: 29.67
Area: 2729800
Amount: 89.388705
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:32:23
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

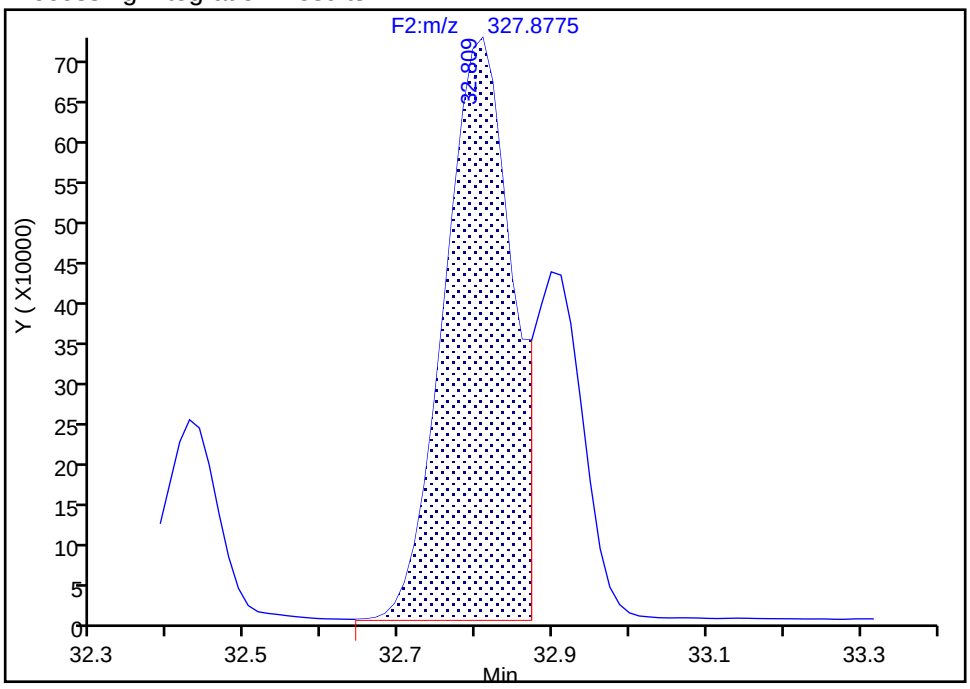
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

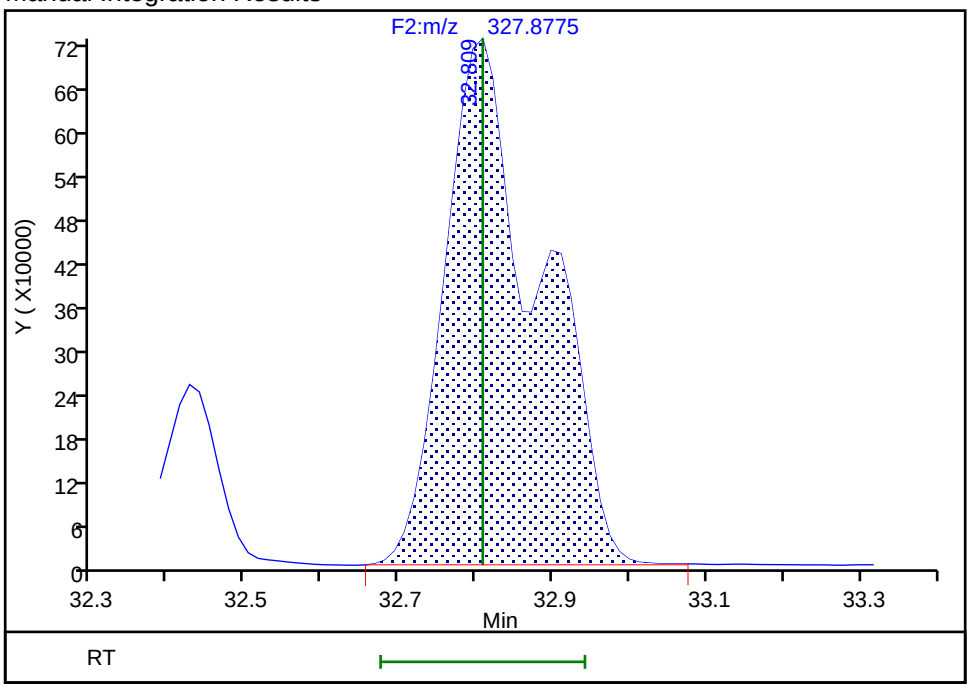
Processing Integration Results

RT: 32.81
Area: 4429757
Amount: 192.6507
Amount Units: pg/ul




Manual Integration Results

RT: 32.81
Area: 6246032
Amount: 273.7986
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:32:17
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

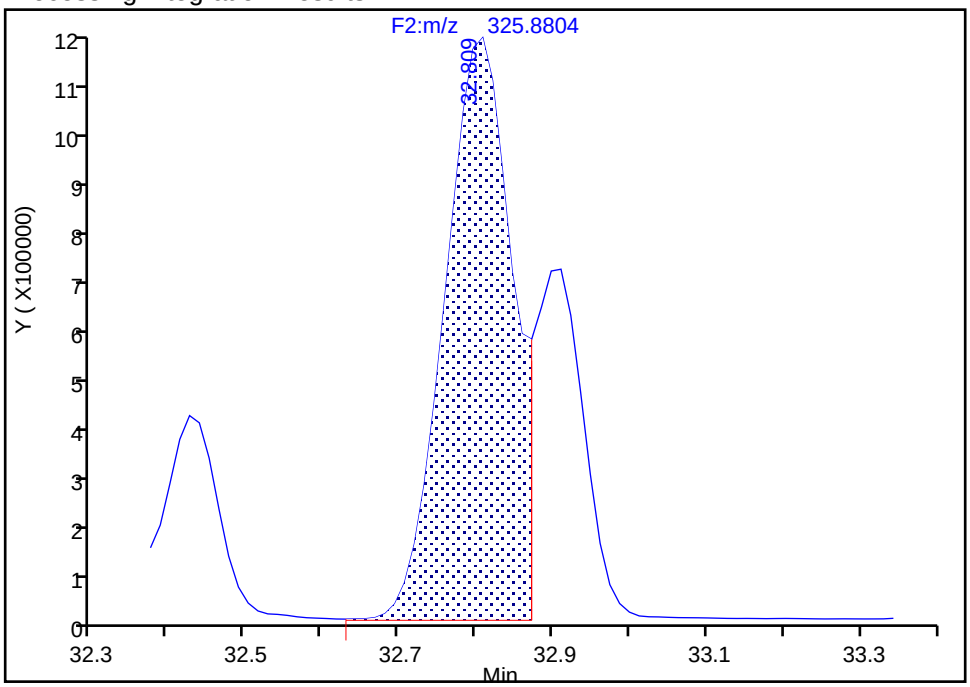
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

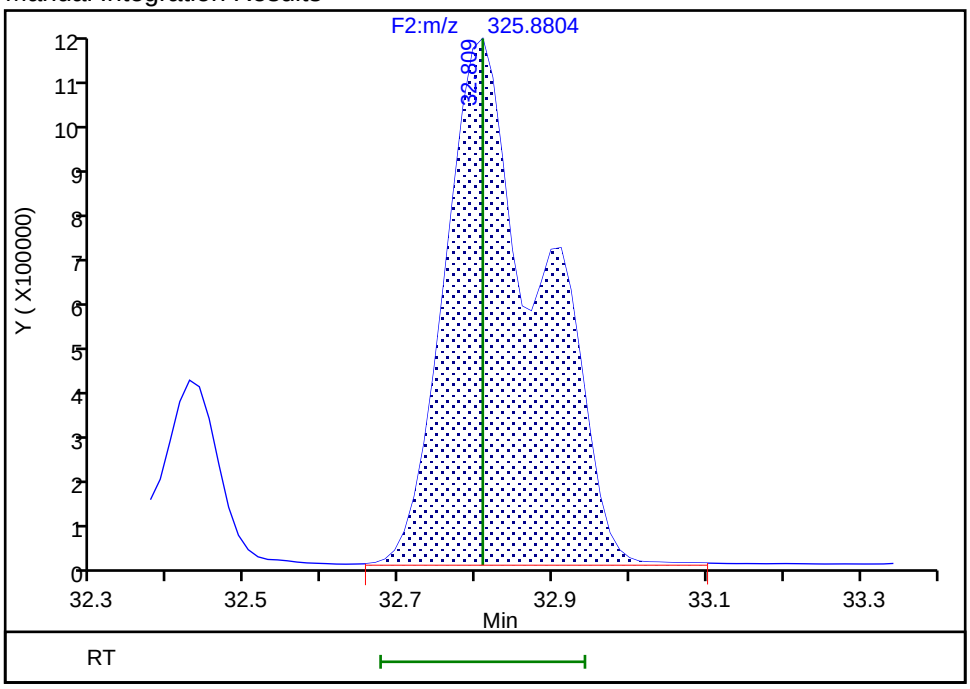
Processing Integration Results

RT: 32.81
Area: 6976058
Amount: 192.6507
Amount Units: pg/ul




Manual Integration Results

RT: 32.81
Area: 9964114
Amount: 273.7986
Amount Units: pg/ul

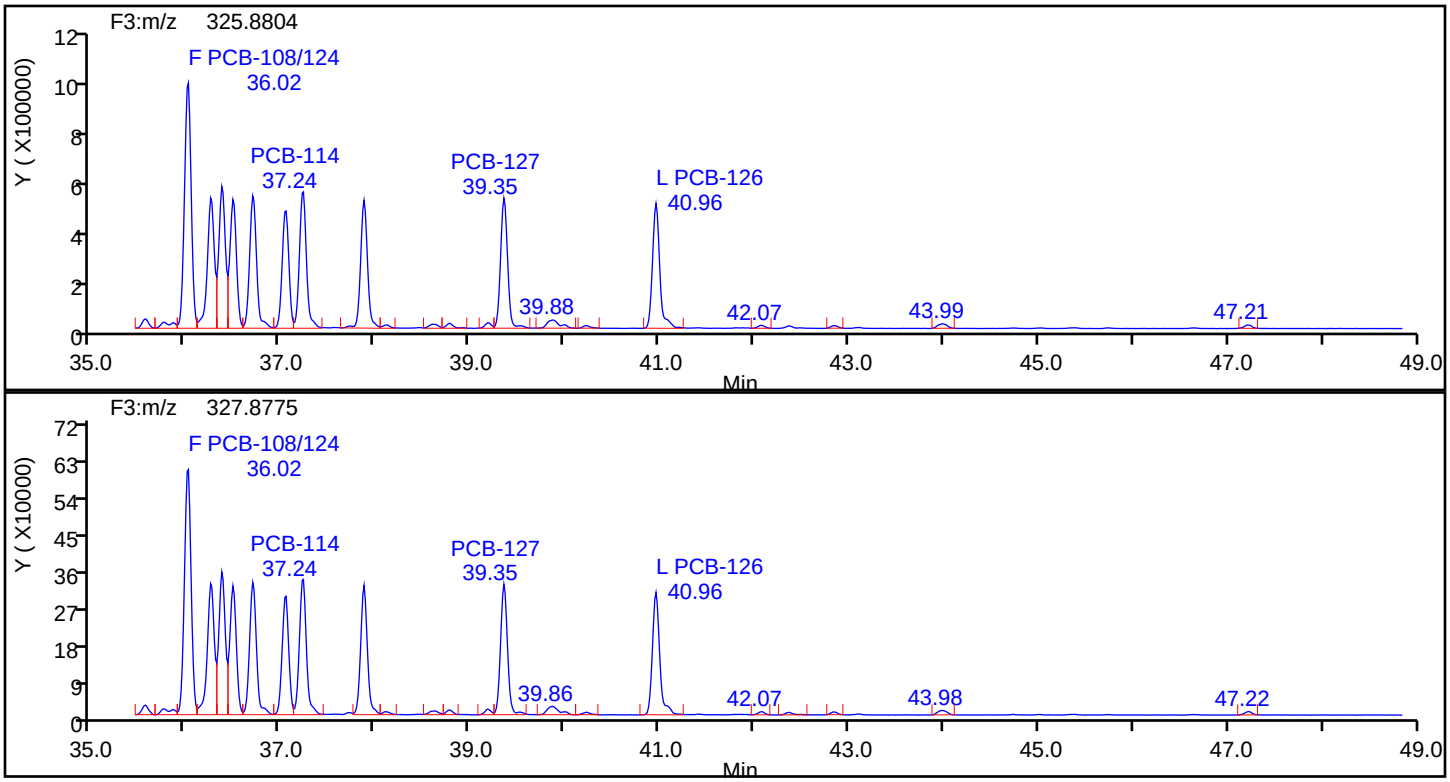



Reviewer: nordquistj, 03-Oct-2019 12:32:20
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

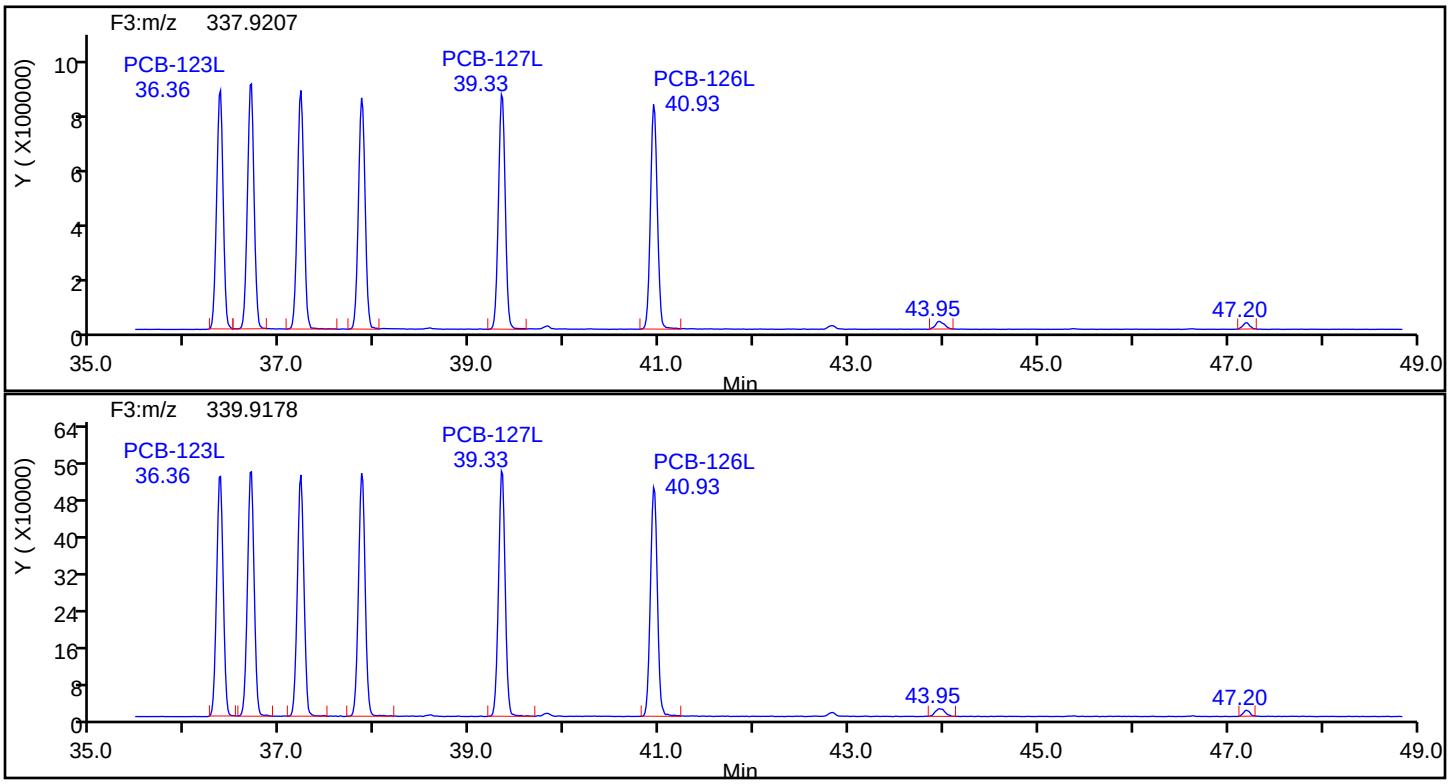
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



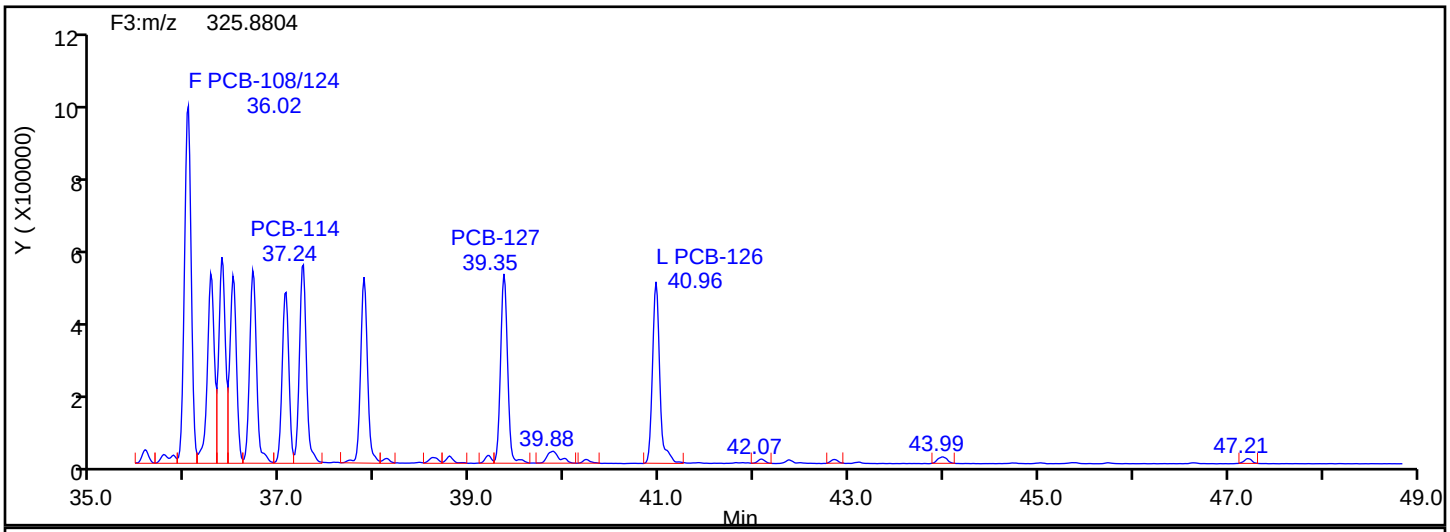

PePCB F3 Standards

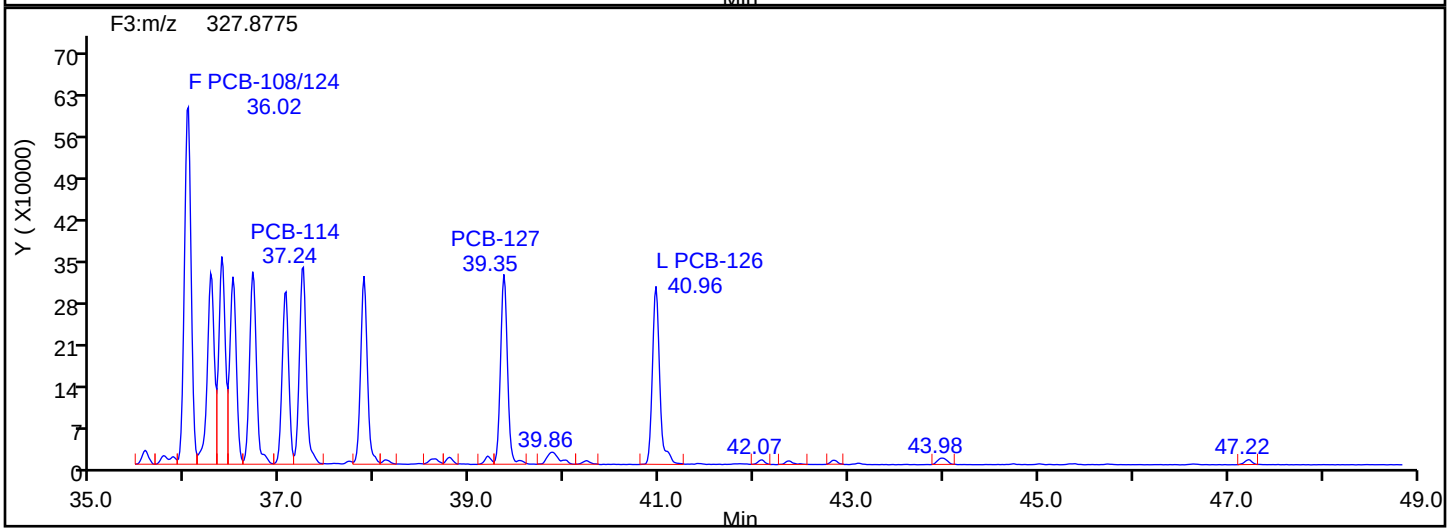


Eurofins TestAmerica, Knoxville

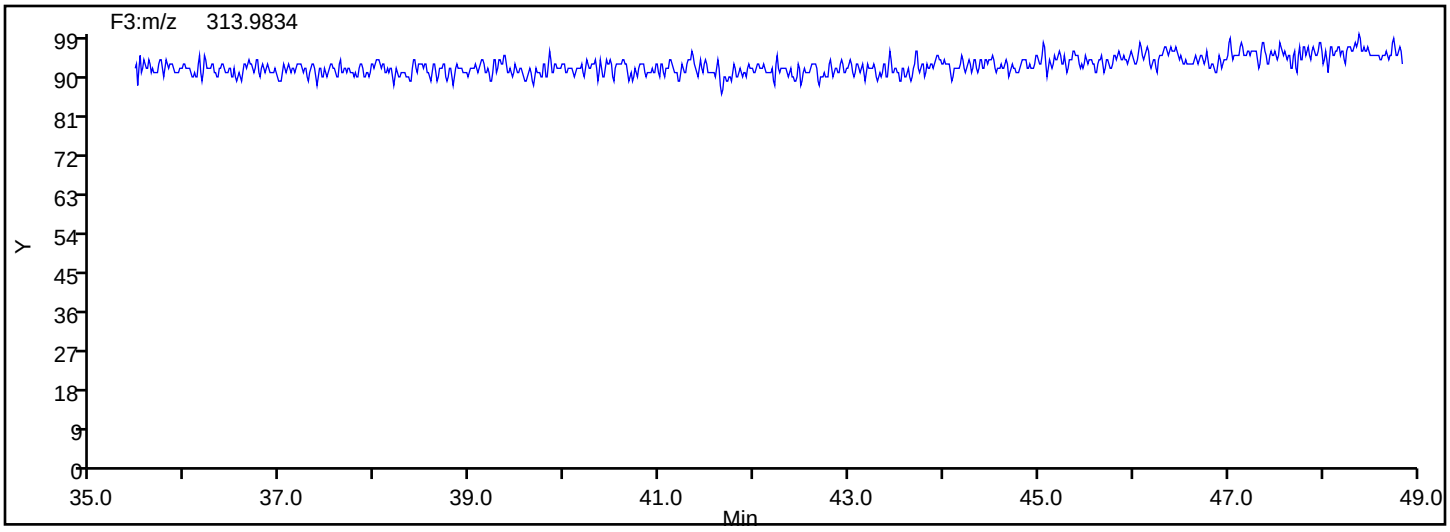
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



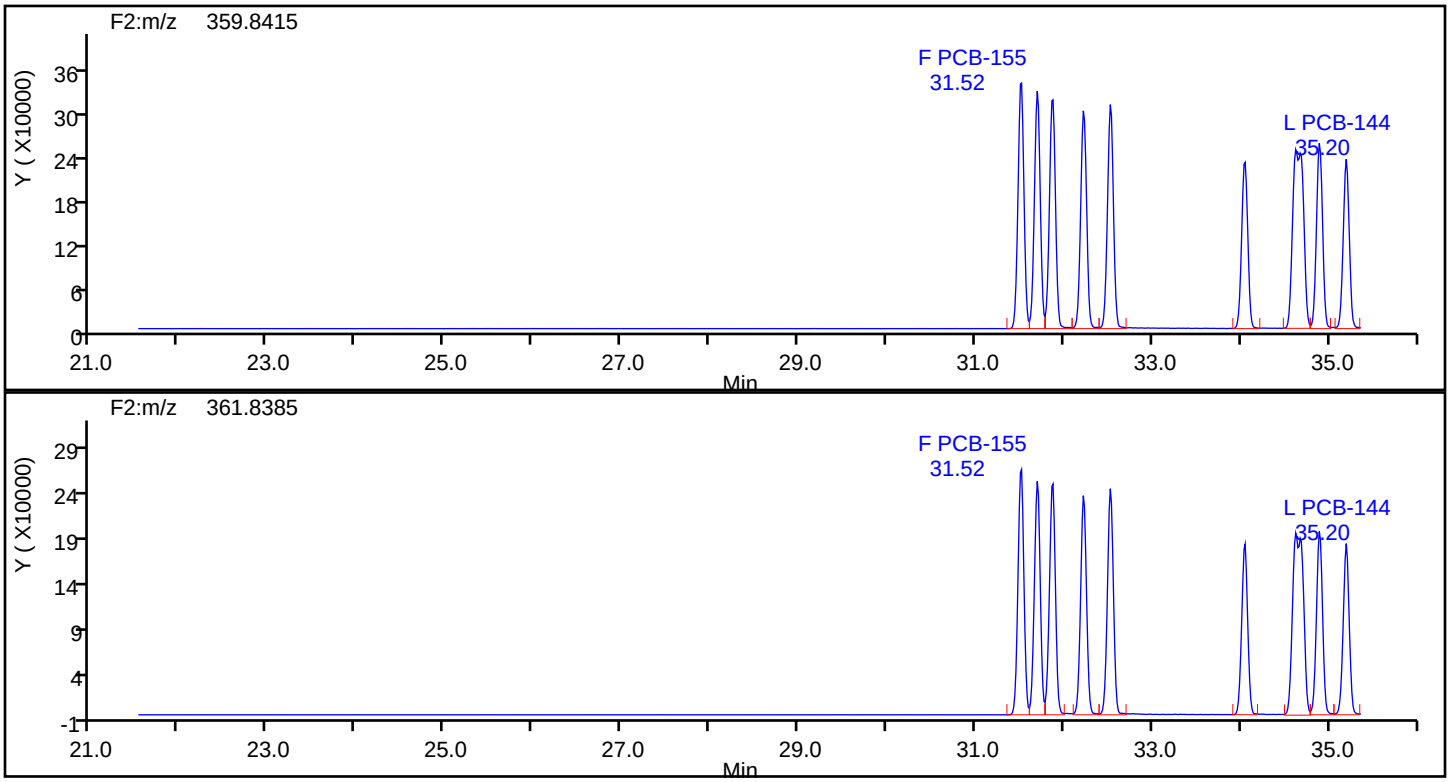

PePCB F3 Lock Mass



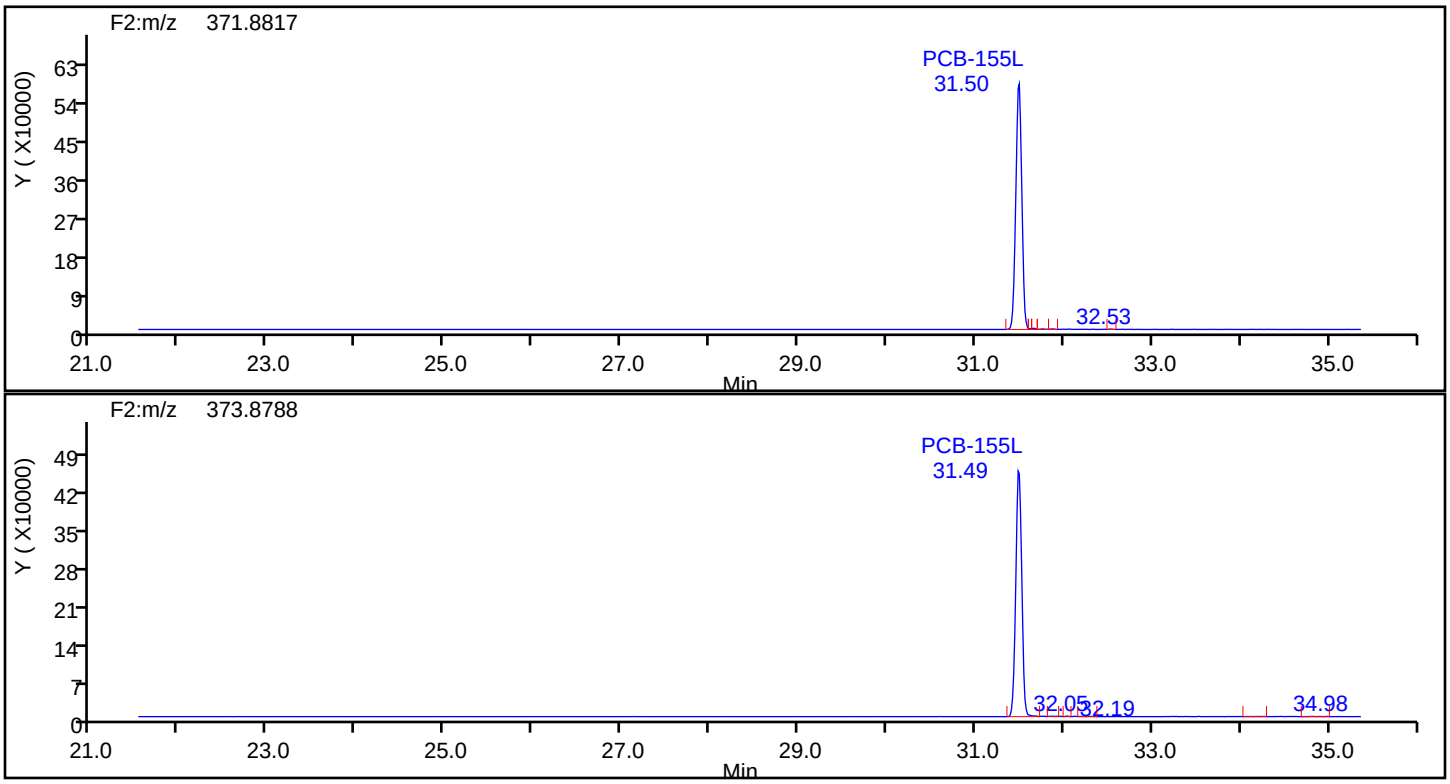
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



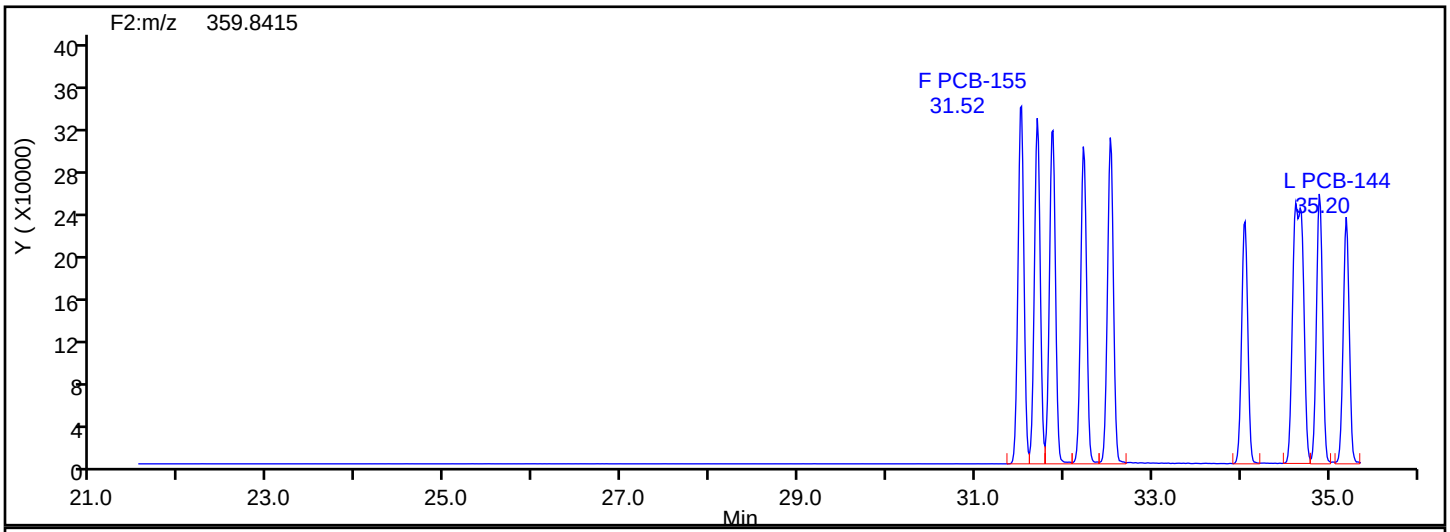

HxPCB F2 Standards

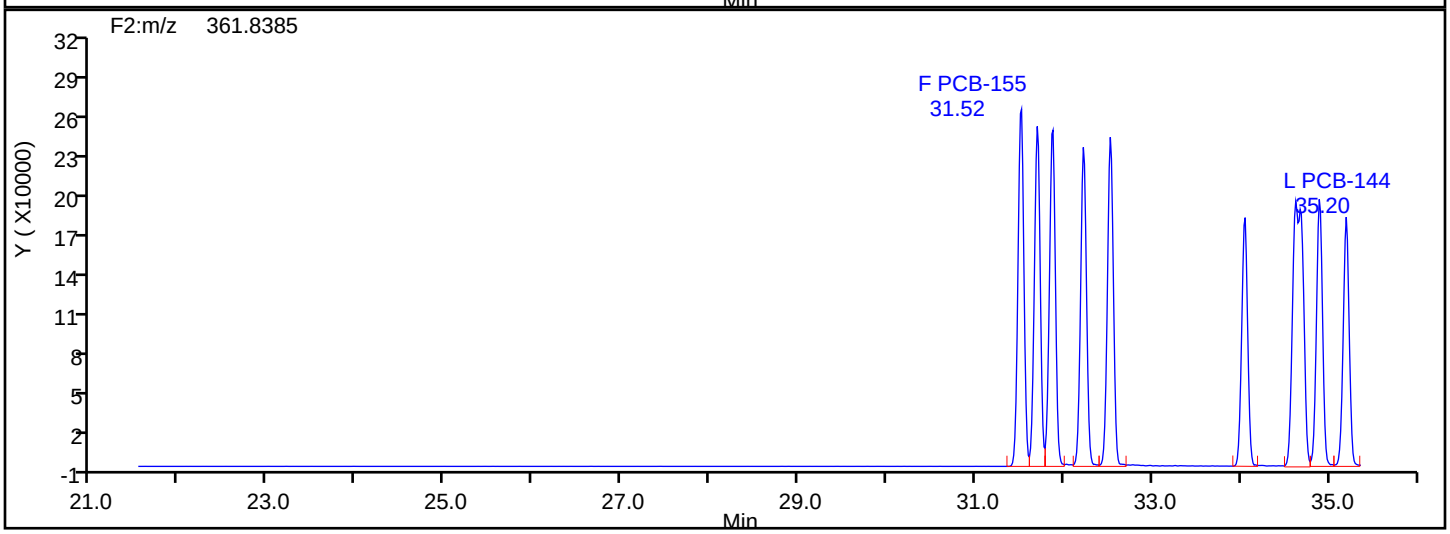


Eurofins TestAmerica, Knoxville

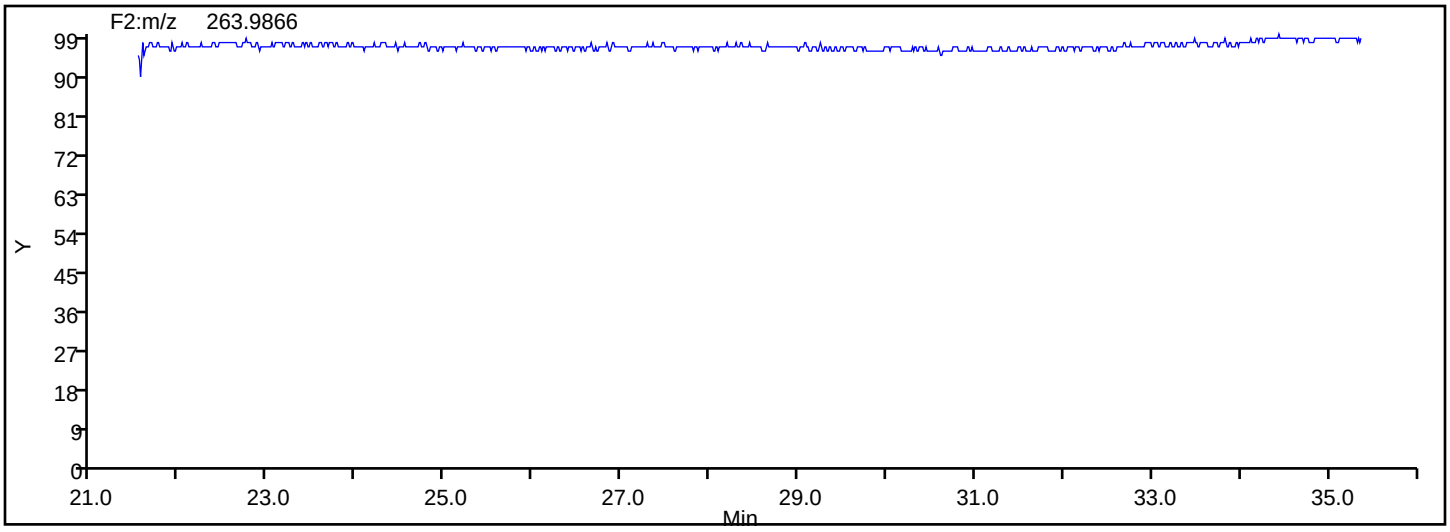
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

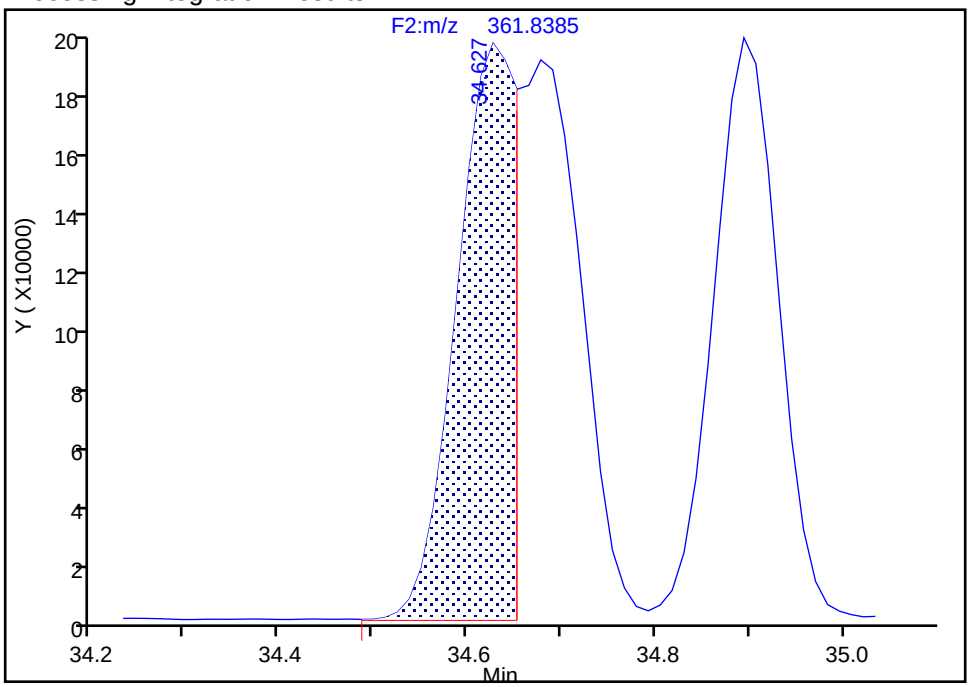
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

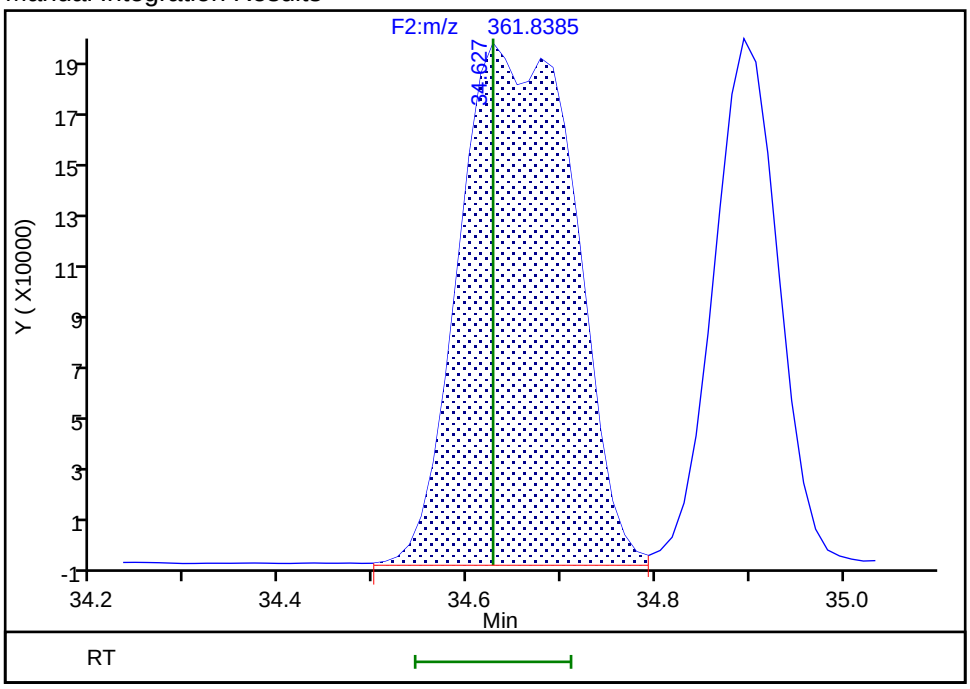
Processing Integration Results

RT: 34.63
Area: 815296
Amount: 43.071403
Amount Units: pg/ul




Manual Integration Results

RT: 34.63
Area: 1686559
Amount: 89.513320
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:32:55
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d

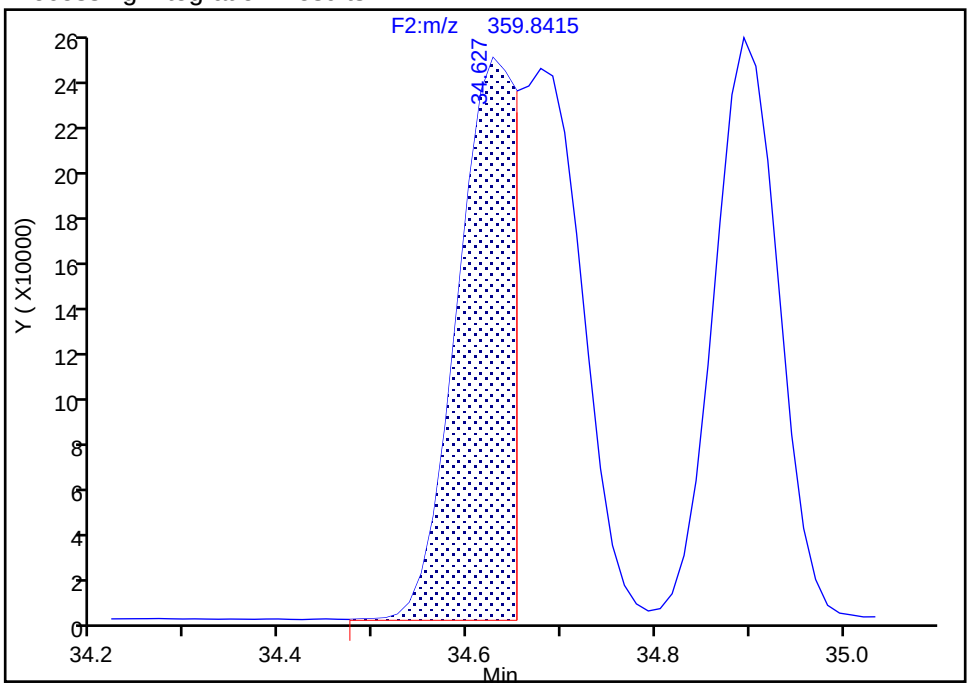
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

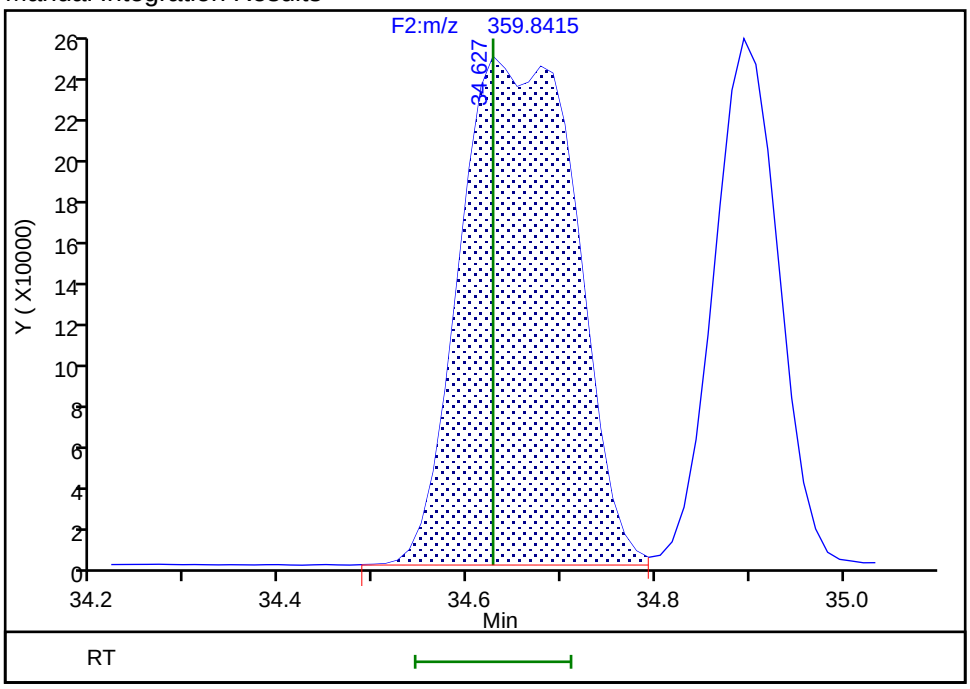
Processing Integration Results

RT: 34.63
Area: 1012314
Amount: 43.071403
Amount Units: pg/ul




Manual Integration Results

RT: 34.63
Area: 2111679
Amount: 89.513320
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:32:58

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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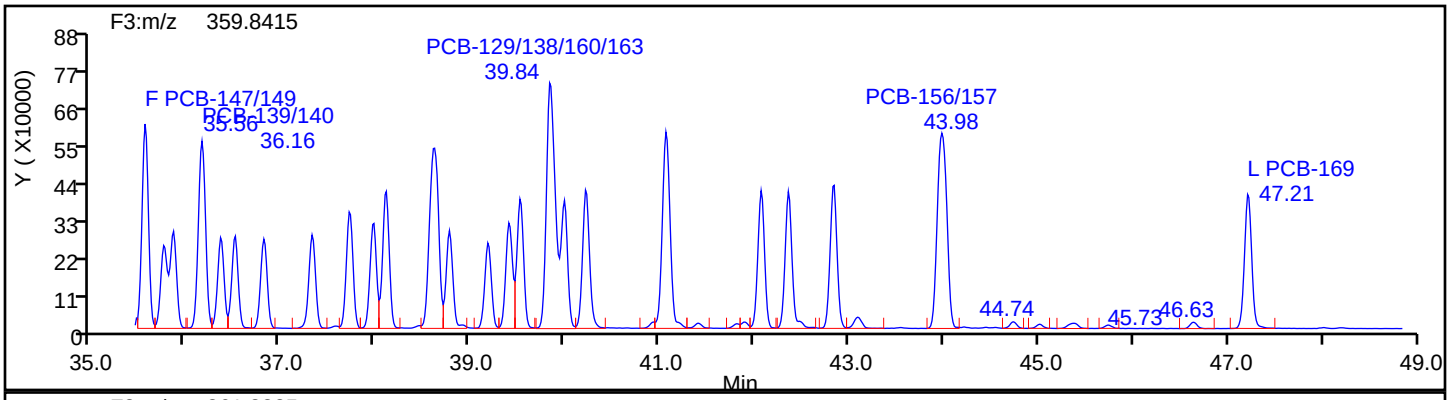
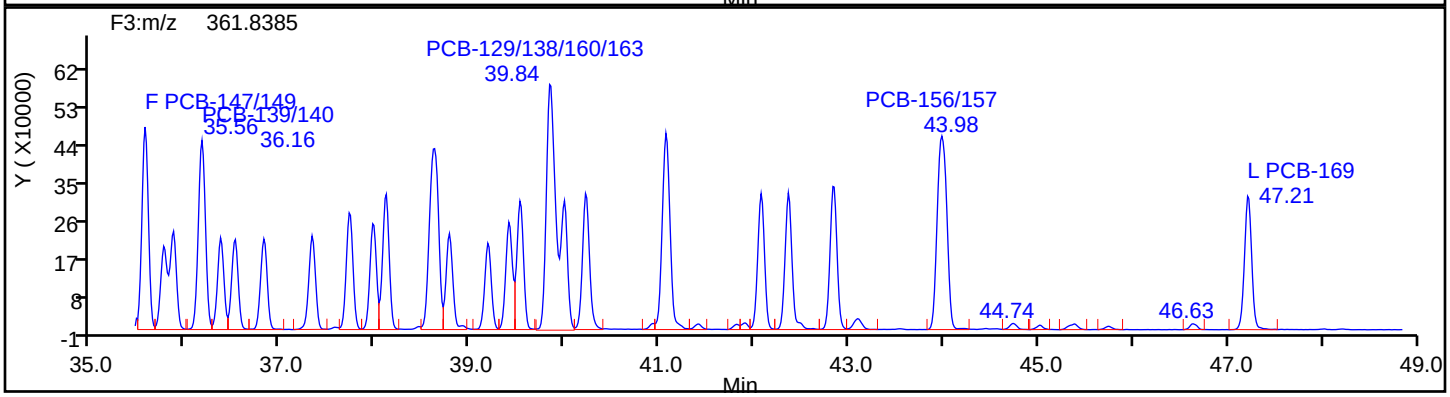
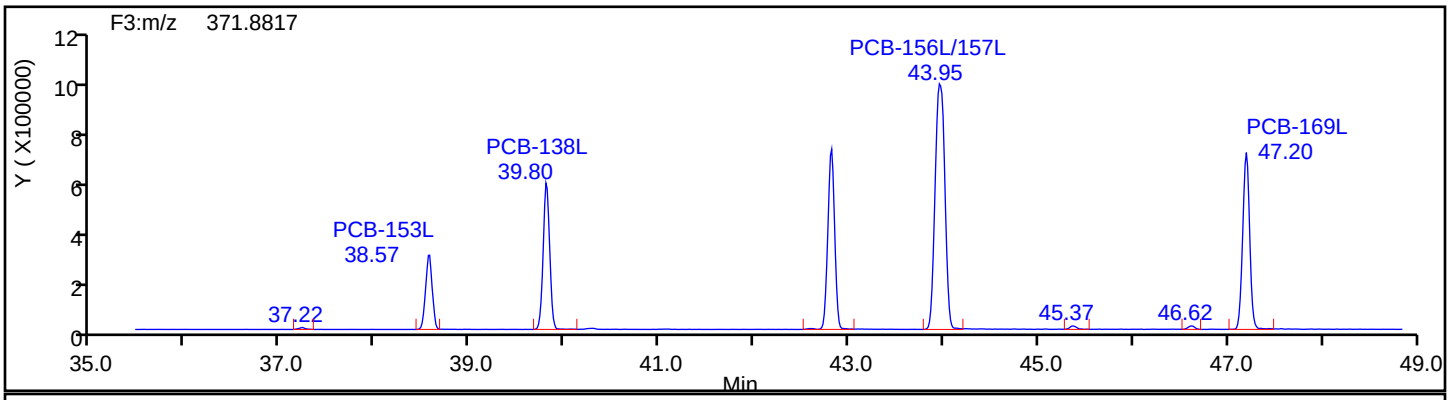
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

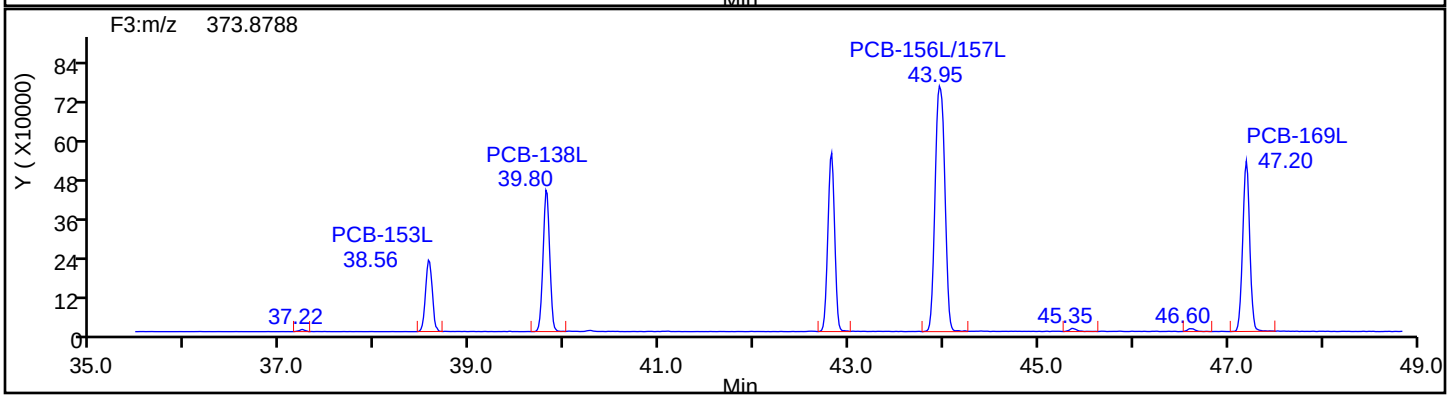
HxPCB F3




HxPCB F3 Standards



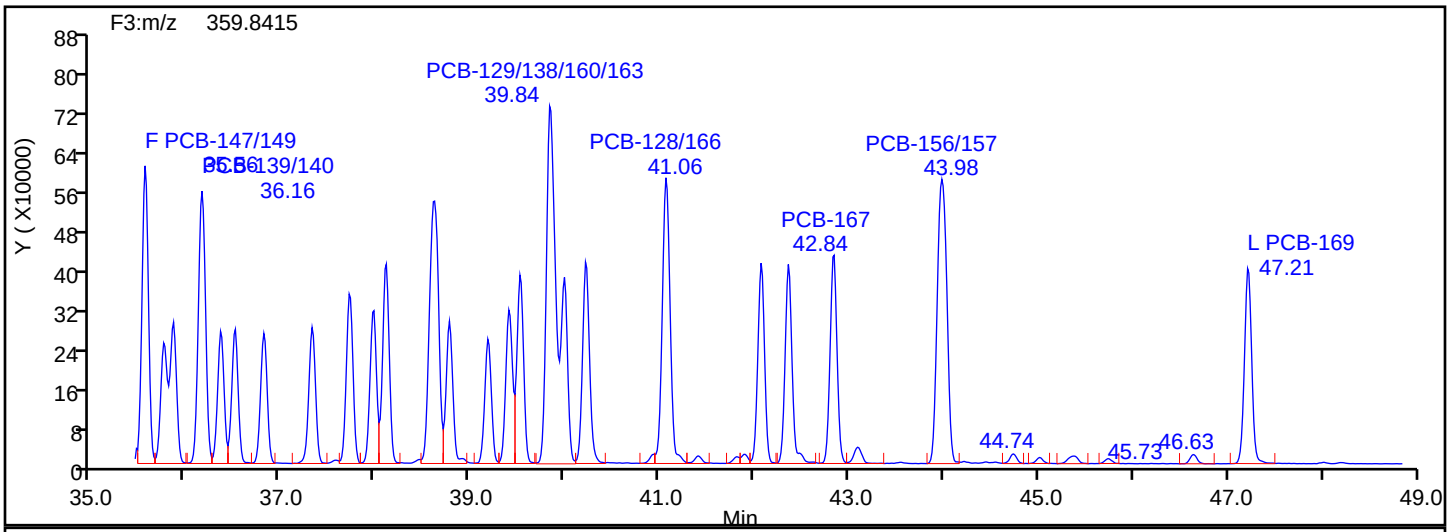



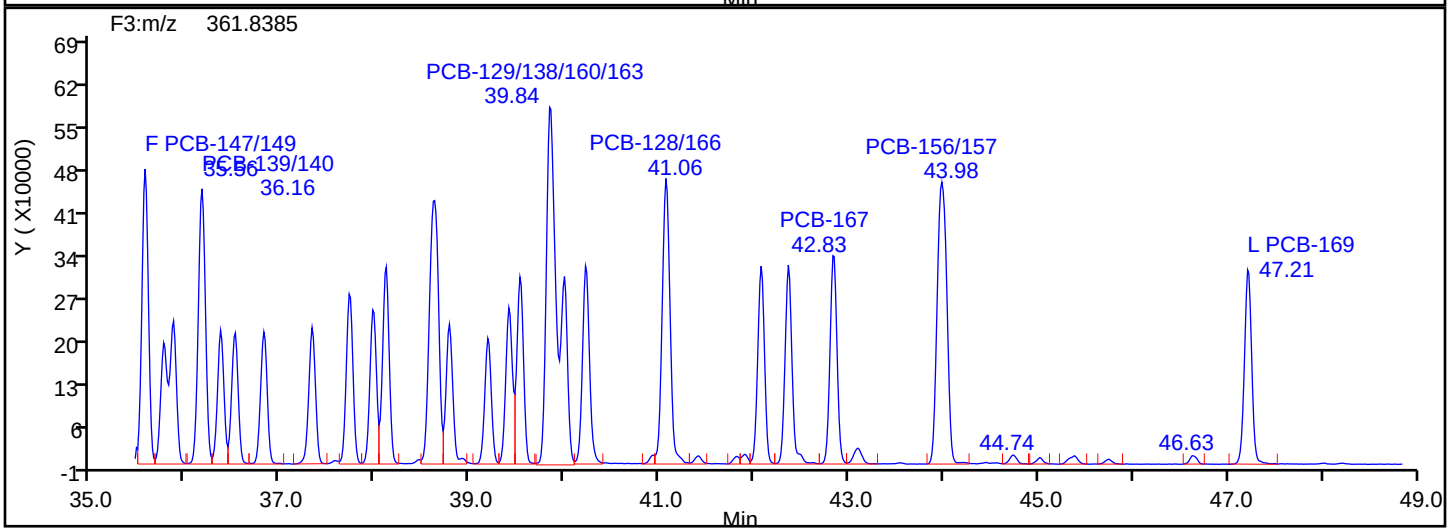
Report Date: 03-Oct-2019 12:36:27 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

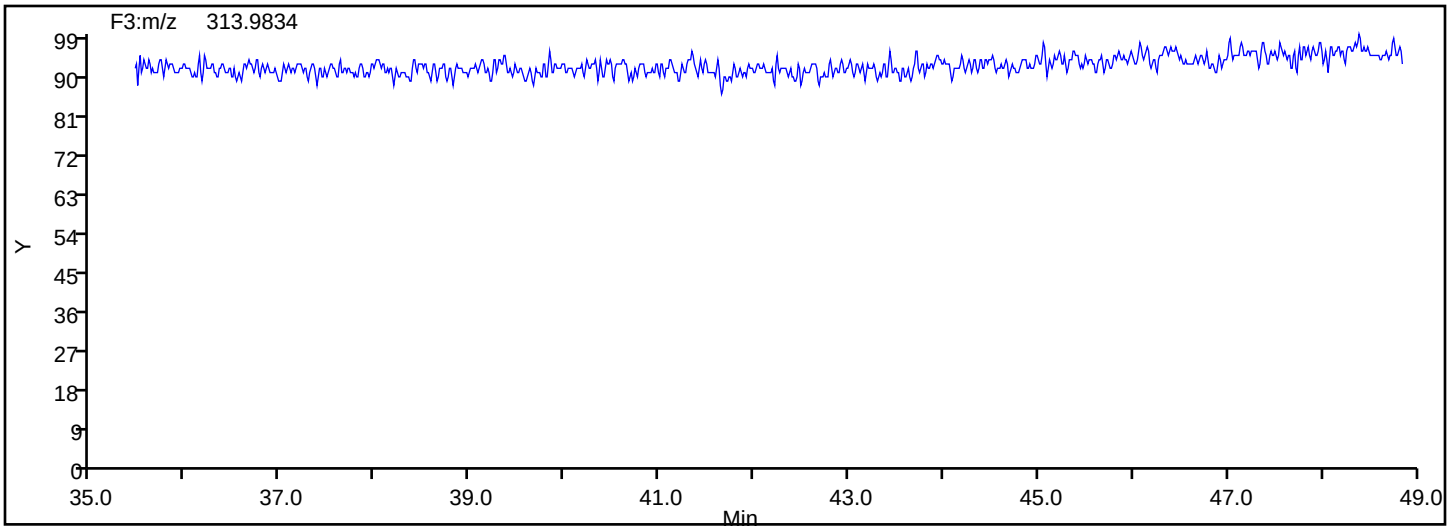
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

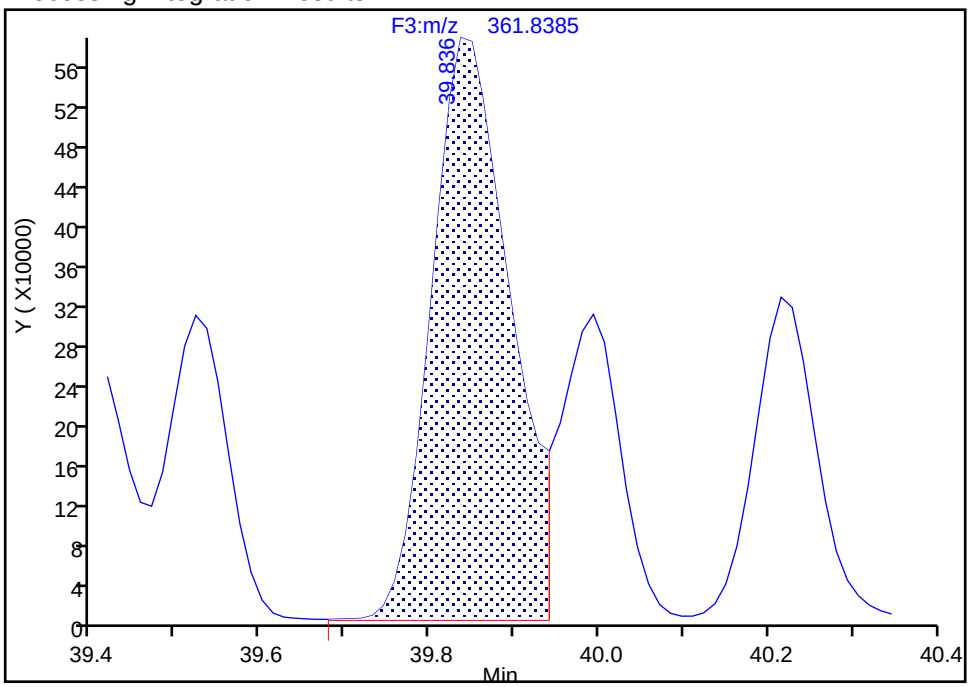
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d
Injection Date: 03-Oct-2019 11:24:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

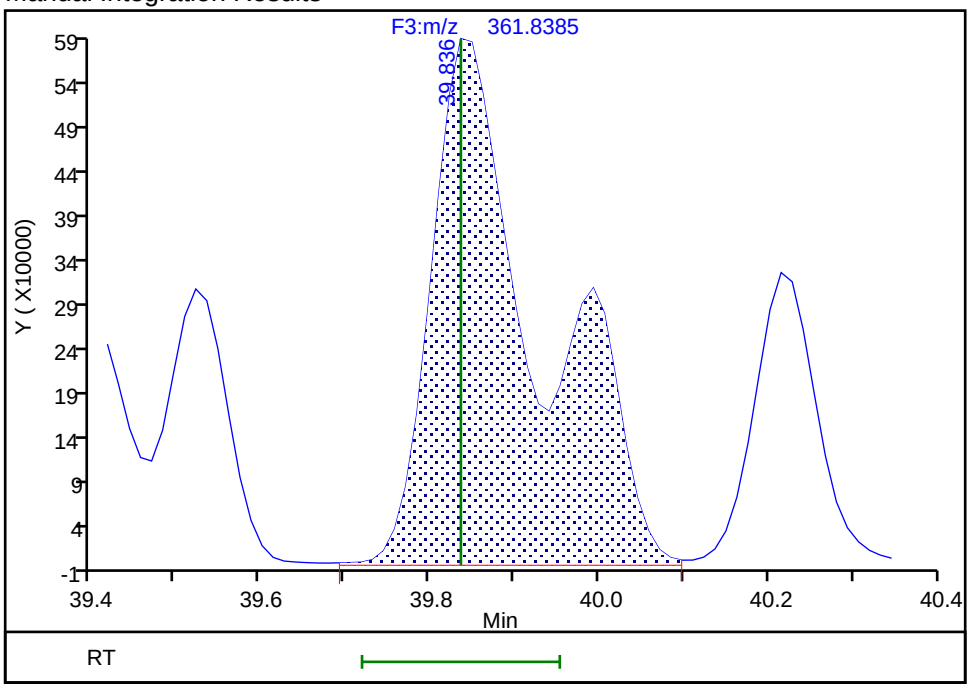
Processing Integration Results

RT: 39.84
Area: 3722665
Amount: 123.2602
Amount Units: pg/ul




Manual Integration Results

RT: 39.84
Area: 5215238
Amount: 172.3838
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:33:24
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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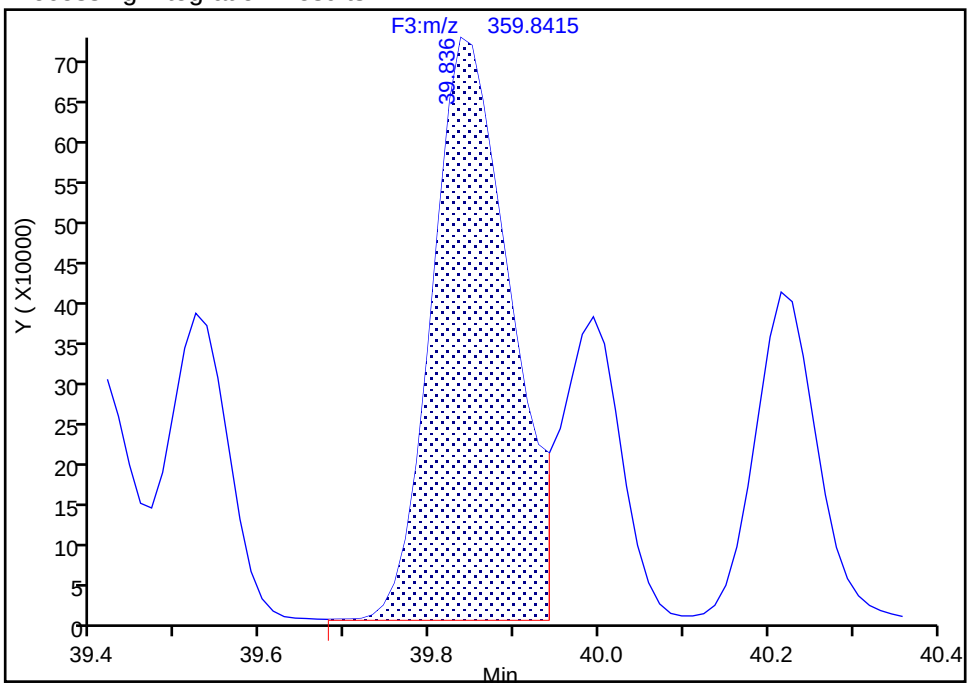
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

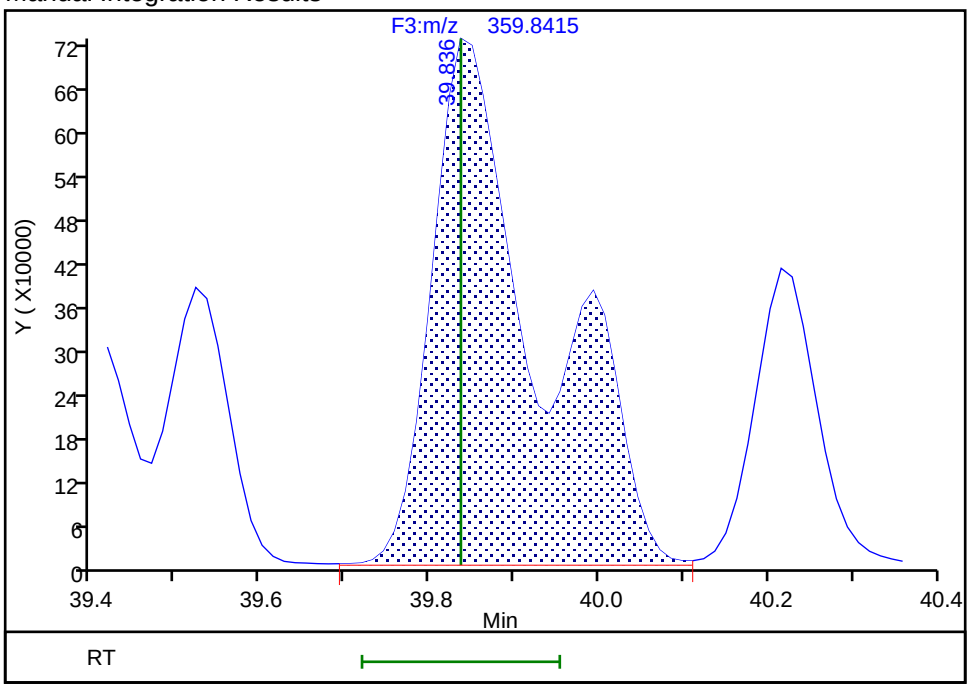
Processing Integration Results

RT: 39.84
Area: 4638076
Amount: 123.2602
Amount Units: pg/ul




Manual Integration Results

RT: 39.84
Area: 6477561
Amount: 172.3838
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:33:26
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

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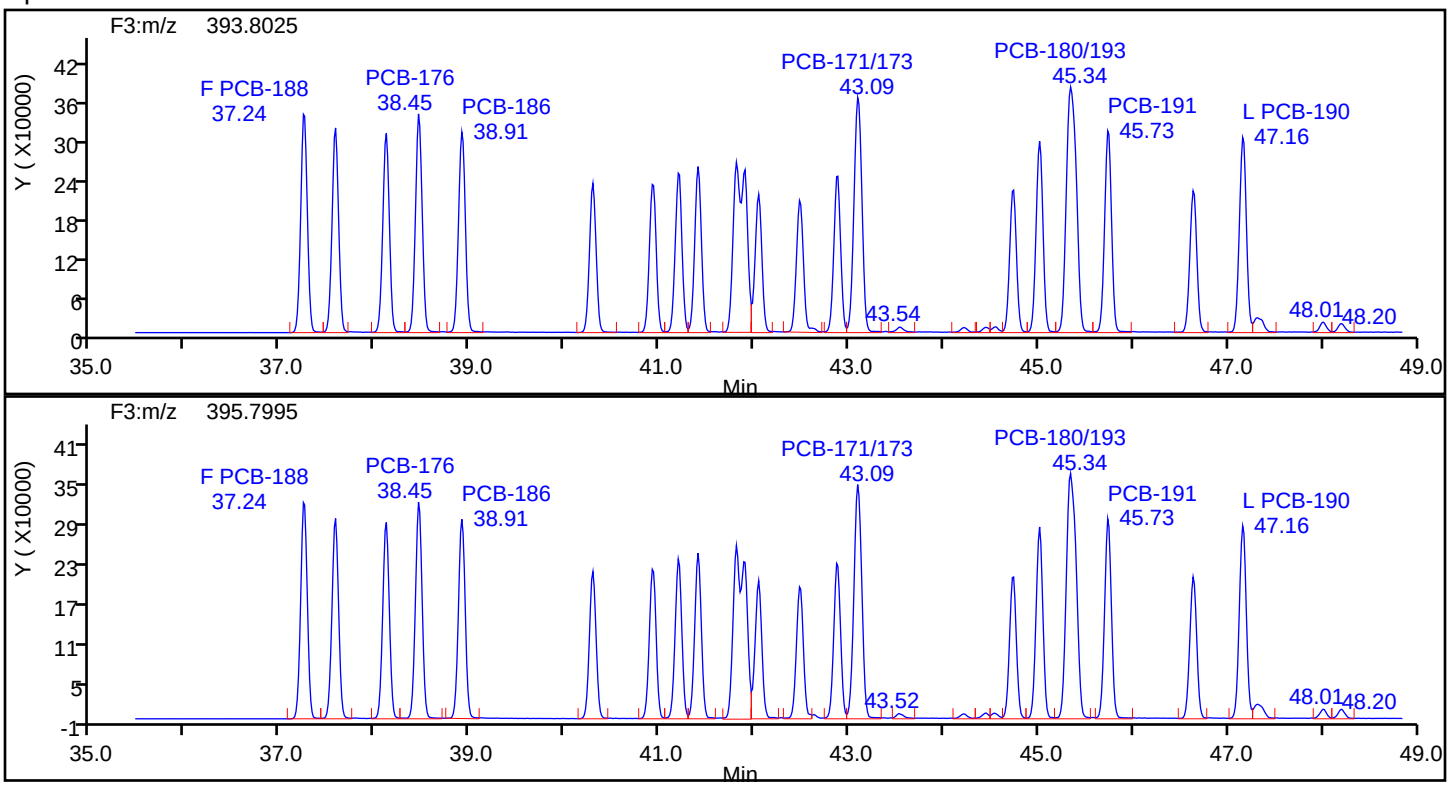
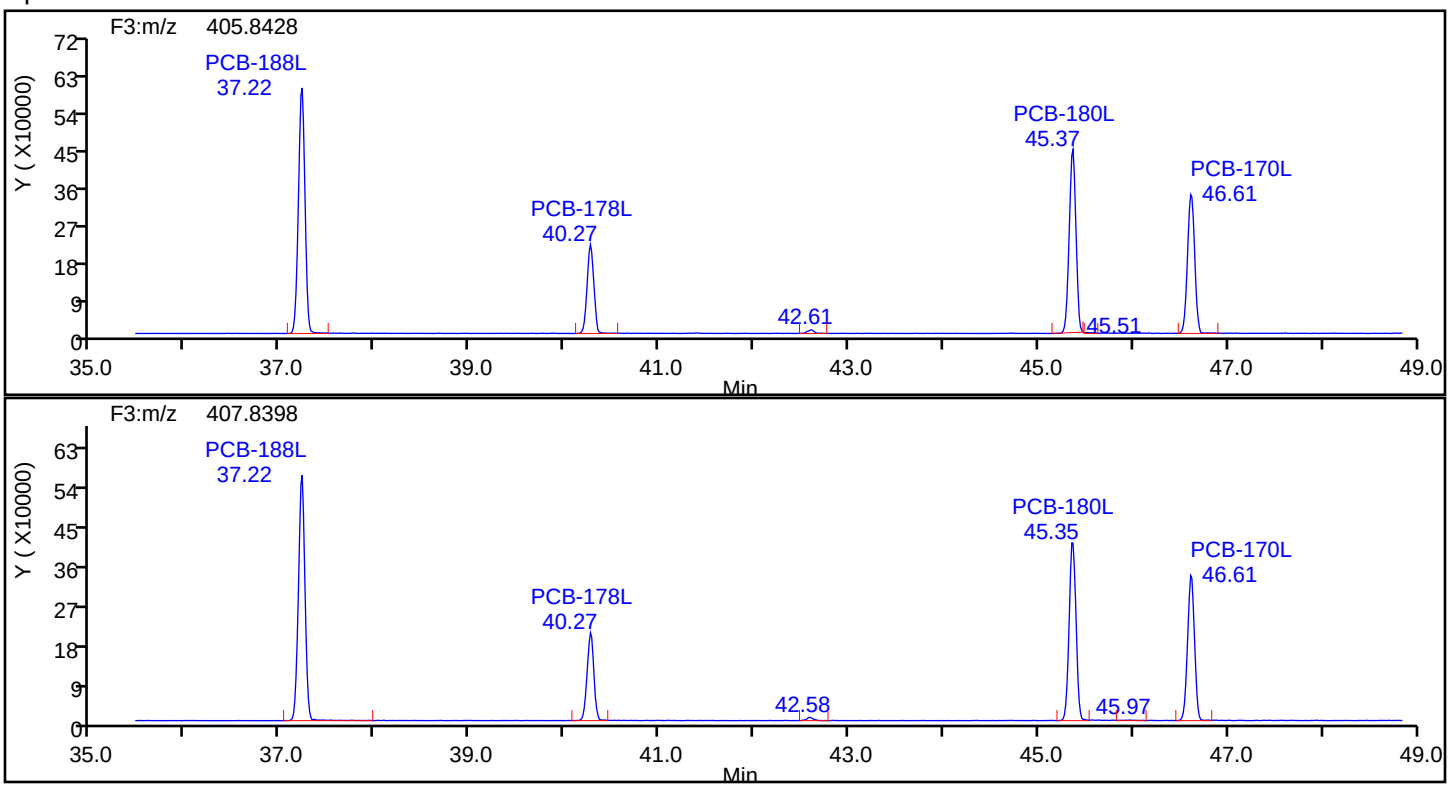
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d | | |
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Standards



Eurofins TestAmerica, Knoxville

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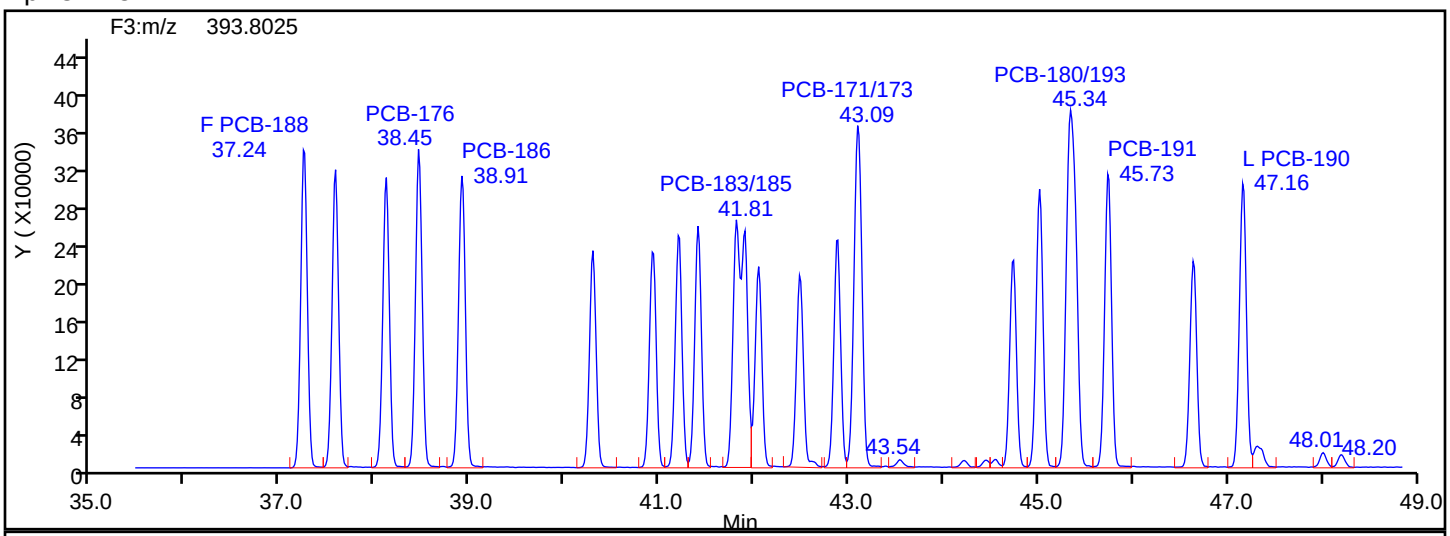
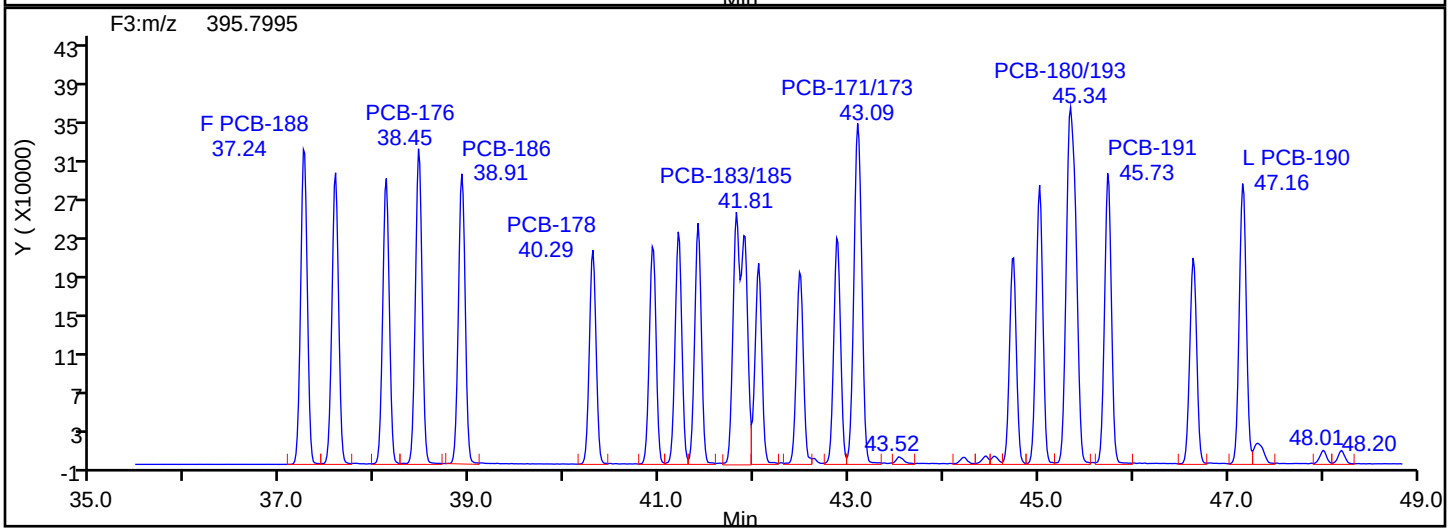
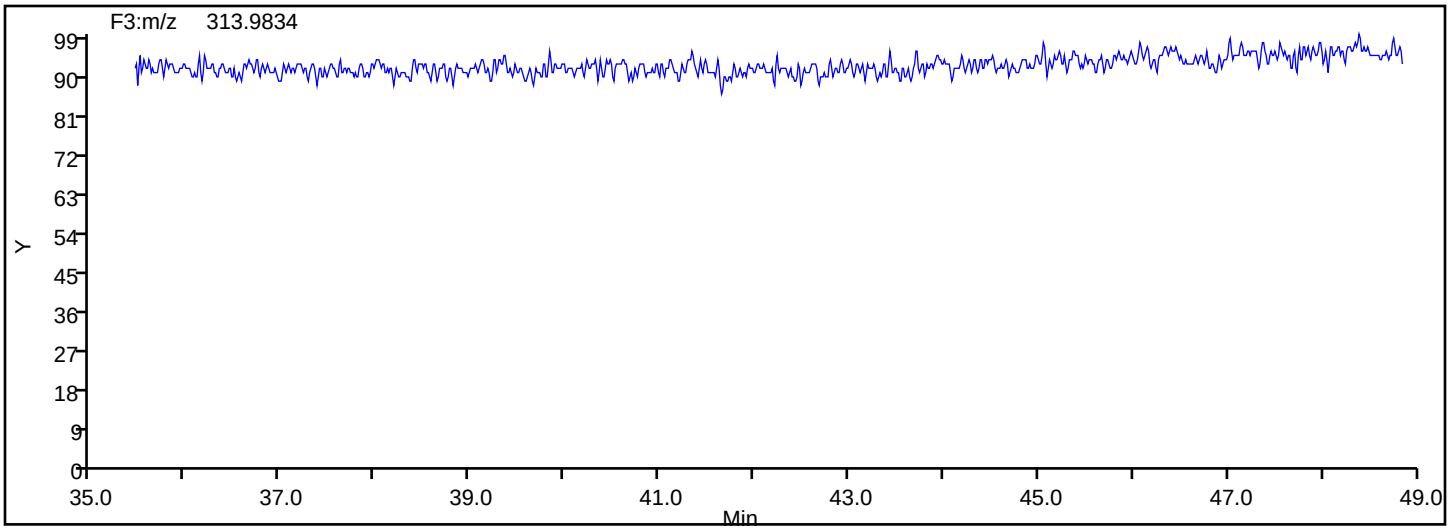
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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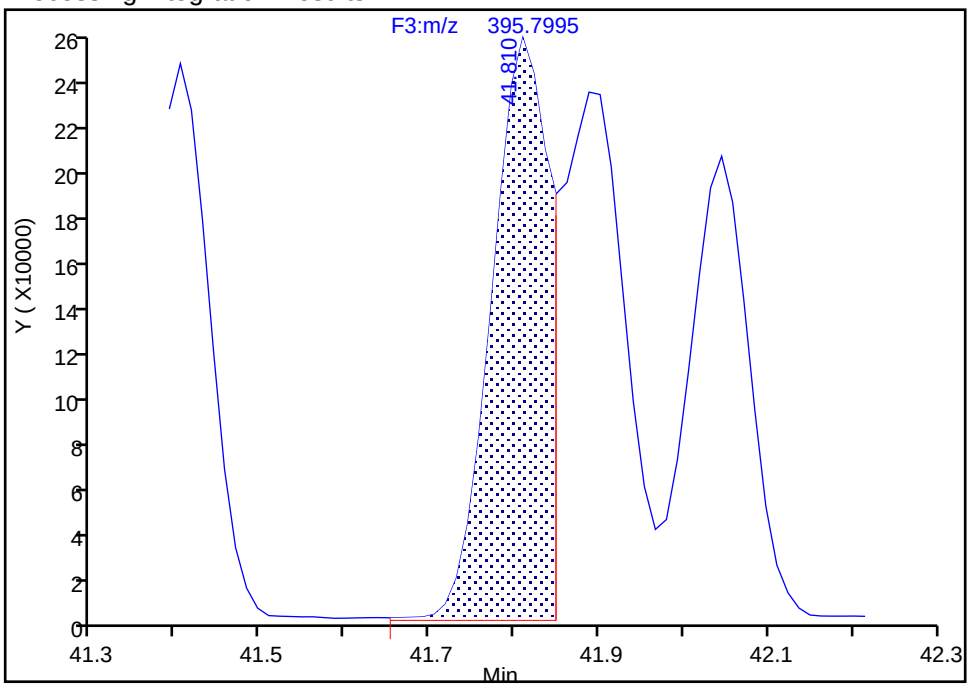
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

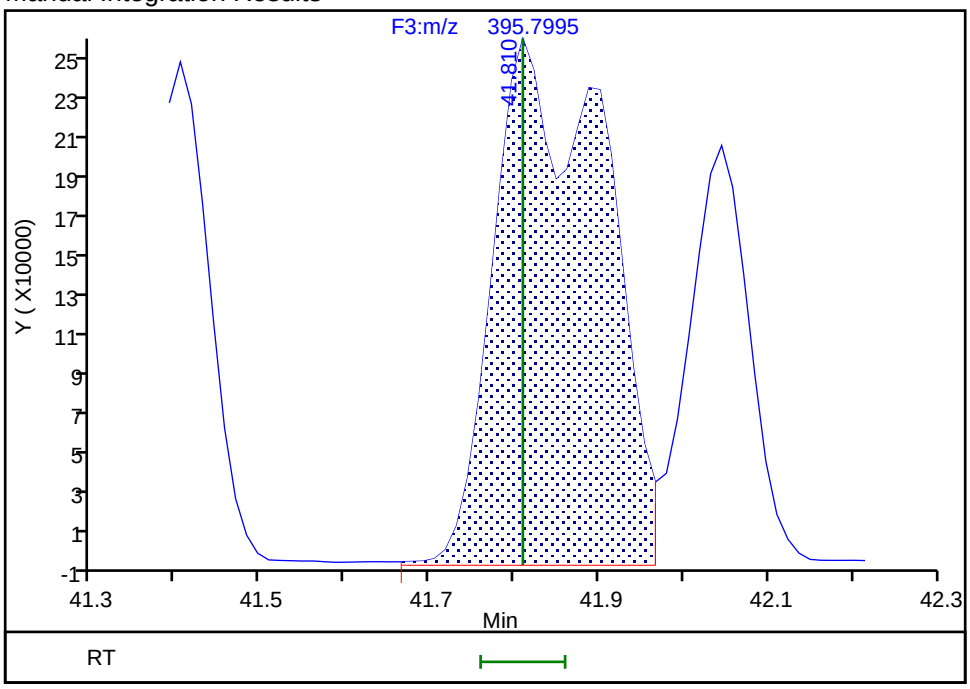
Processing Integration Results

RT: 41.81
Area: 1183772
Amount: 49.686524
Amount Units: pg/ul




Manual Integration Results

RT: 41.81
Area: 2356713
Amount: 93.216012
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:33:55

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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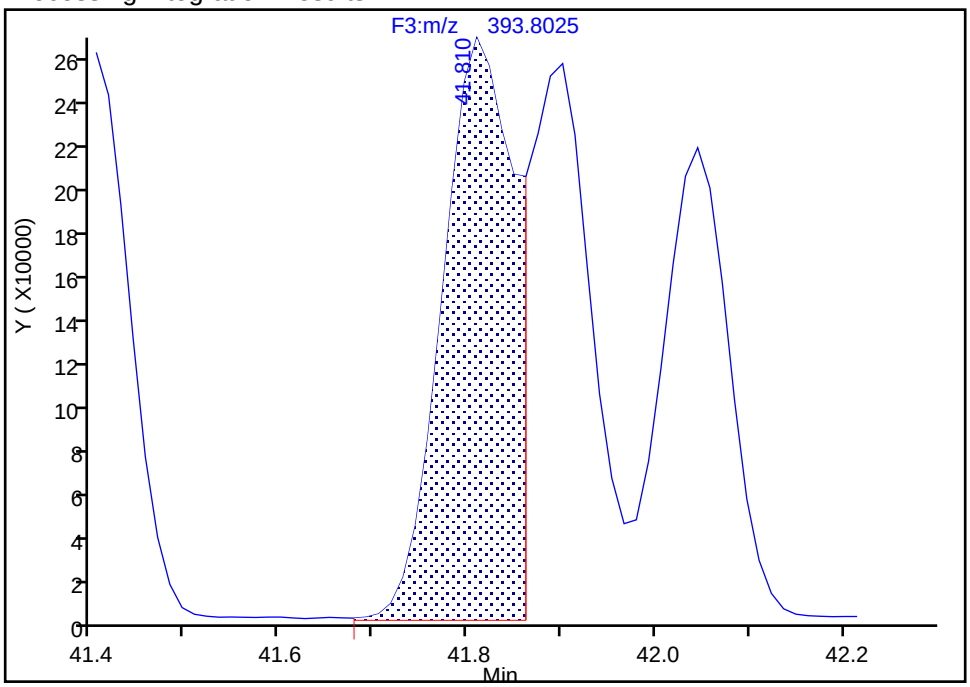
| Injection Date: | 03-Oct-2019 11:24:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

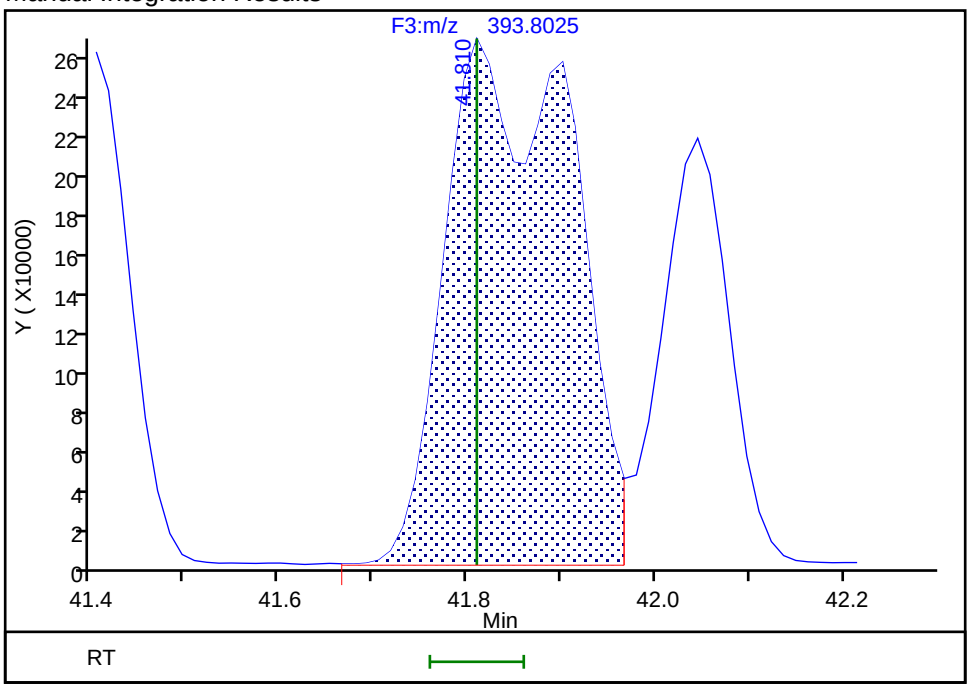
Processing Integration Results

RT: 41.81
Area: 1385935
Amount: 49.686524
Amount Units: pg/ul




Manual Integration Results

RT: 41.81
Area: 2464269
Amount: 93.216012
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 12:33:58
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Report Date: 03-Oct-2019 12:36:27 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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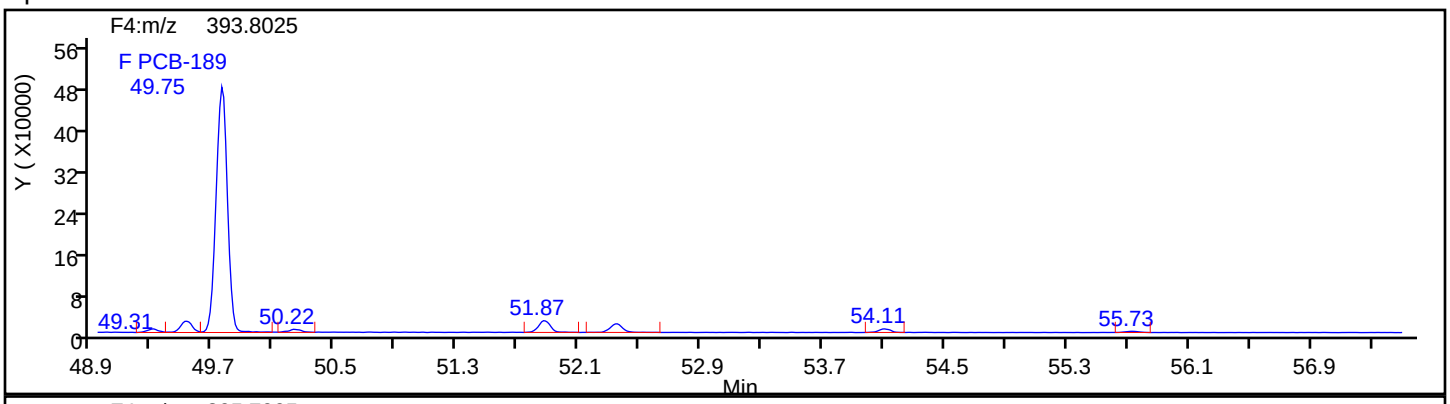
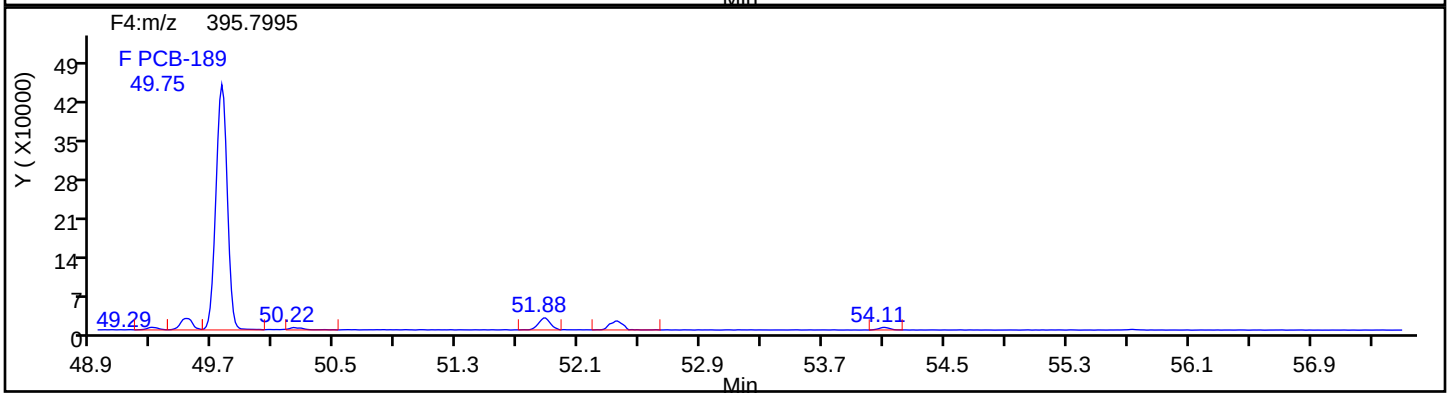
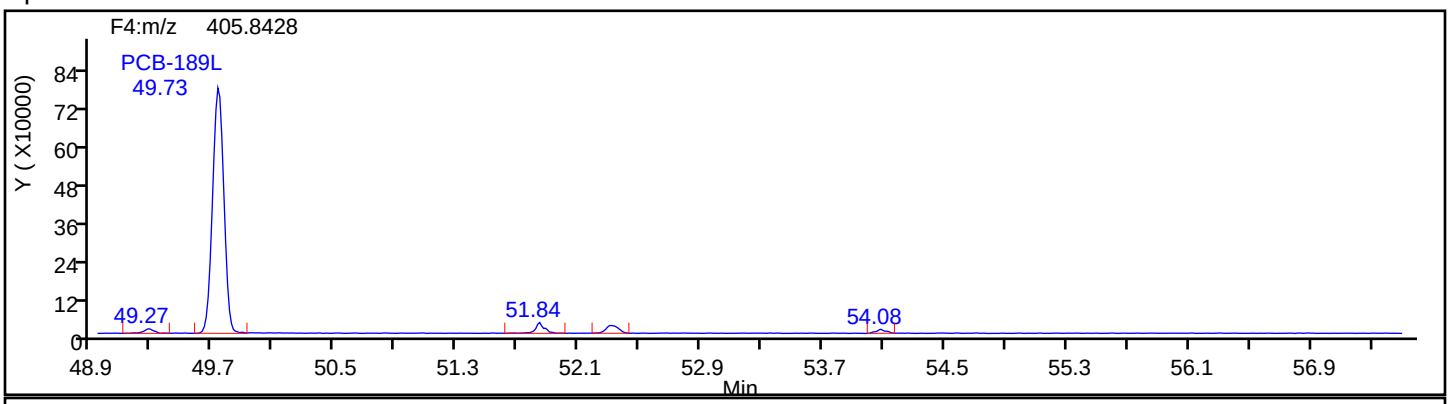
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

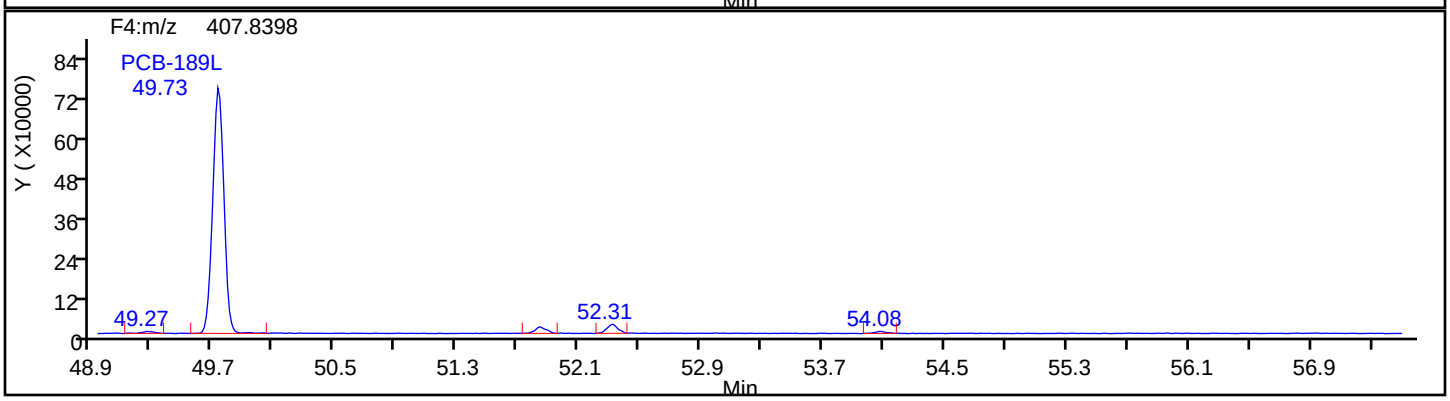
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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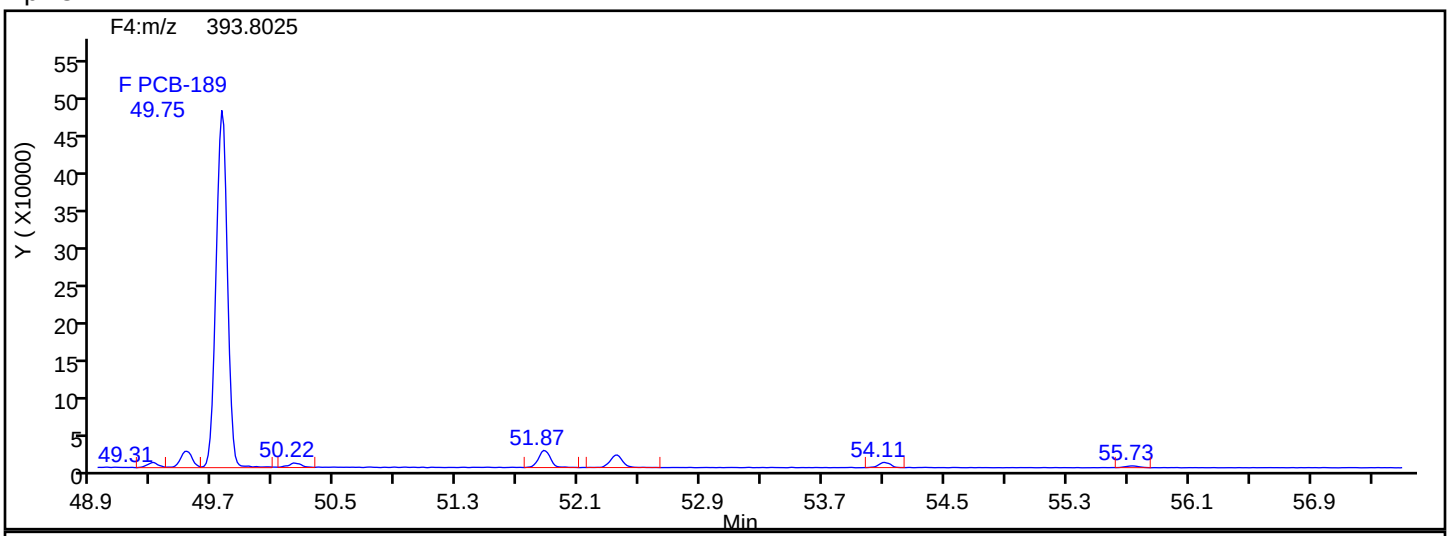
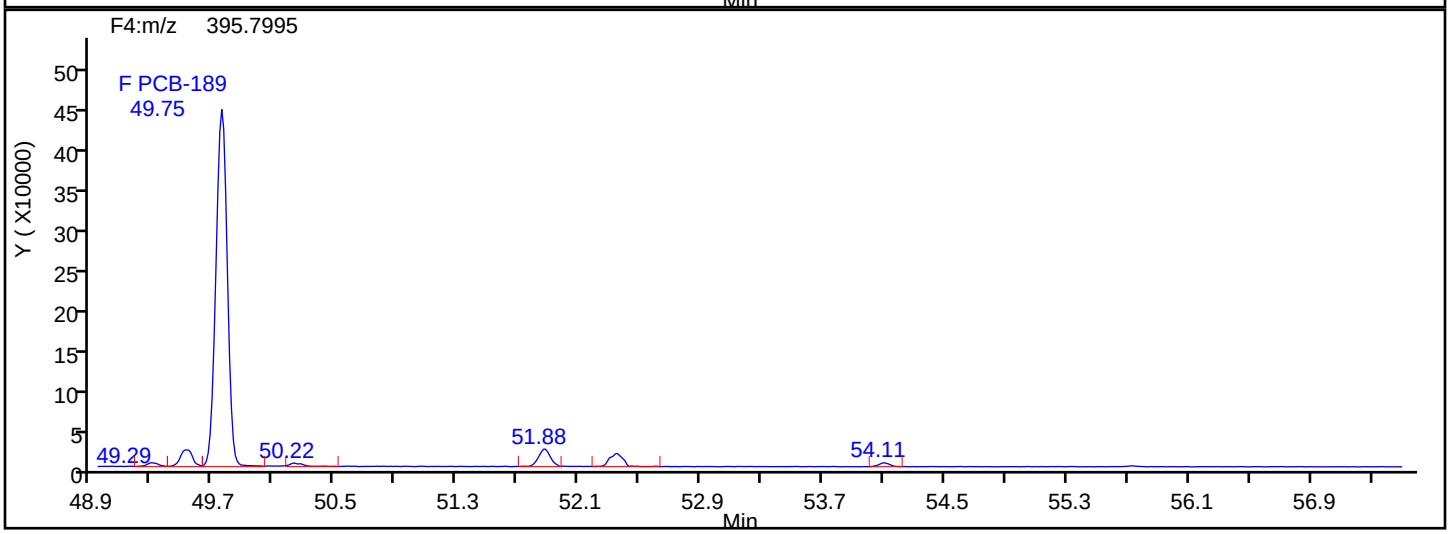
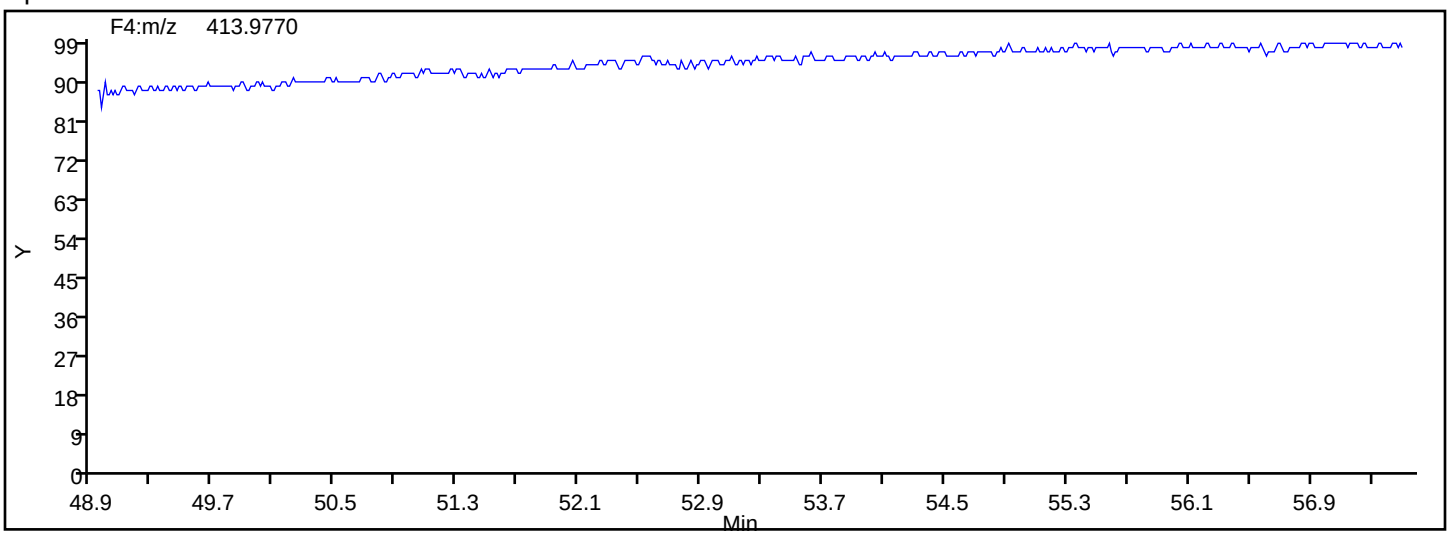
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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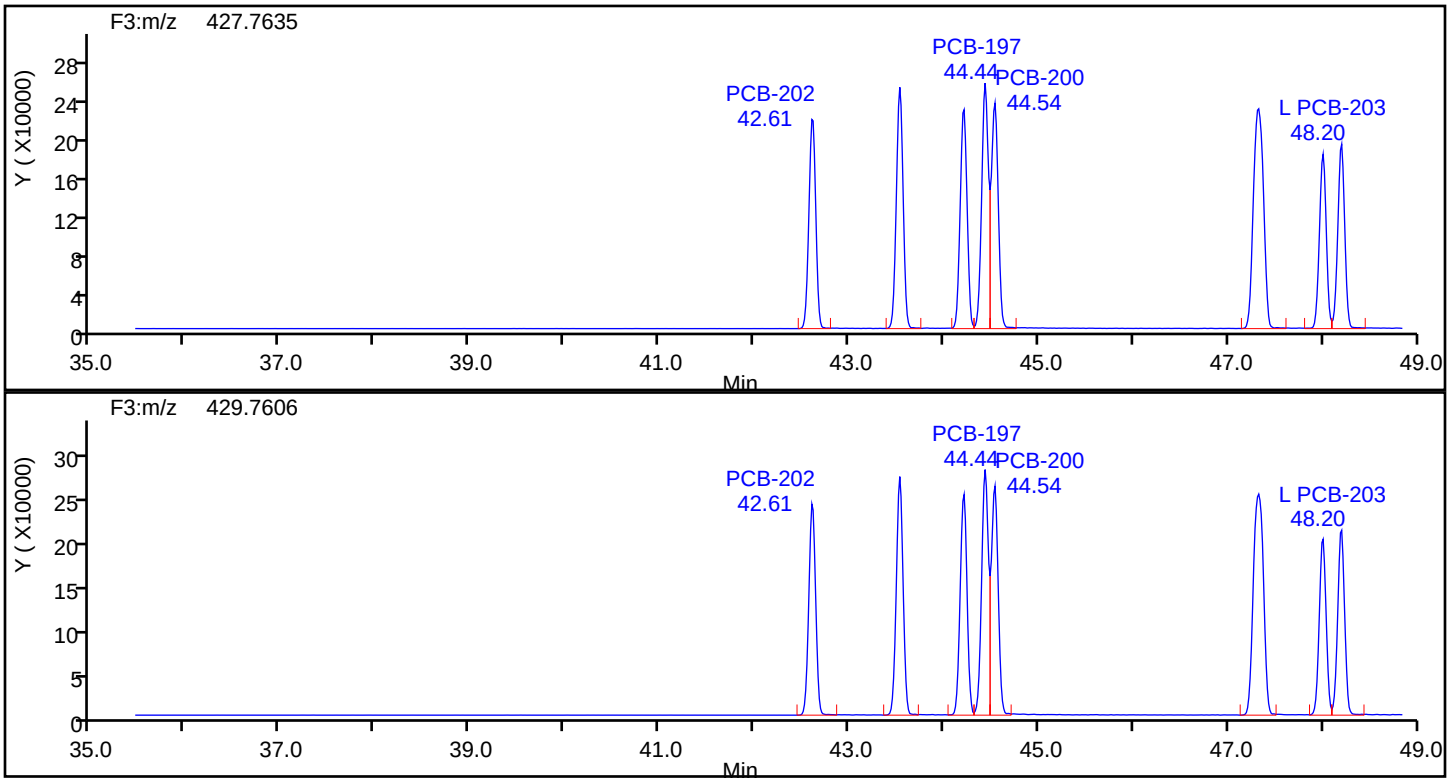
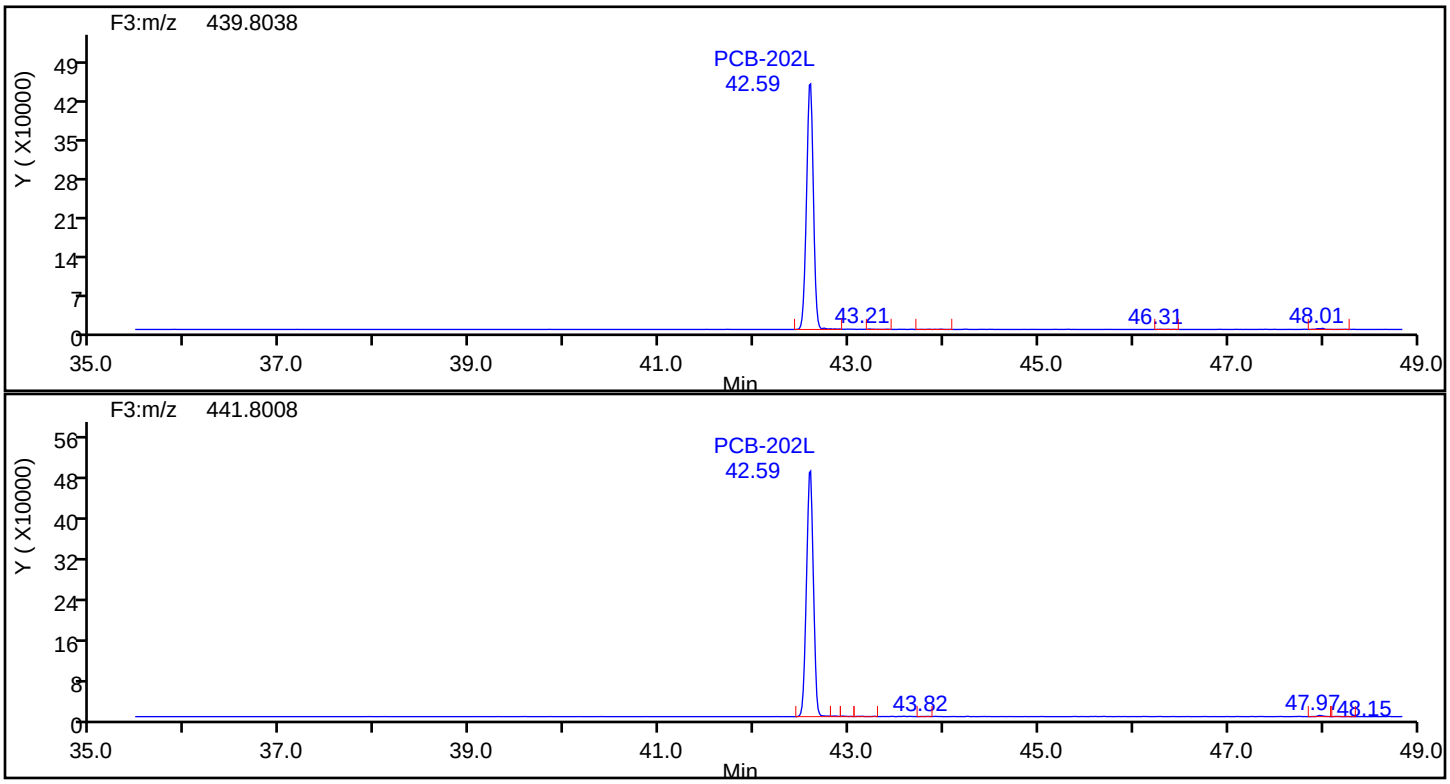
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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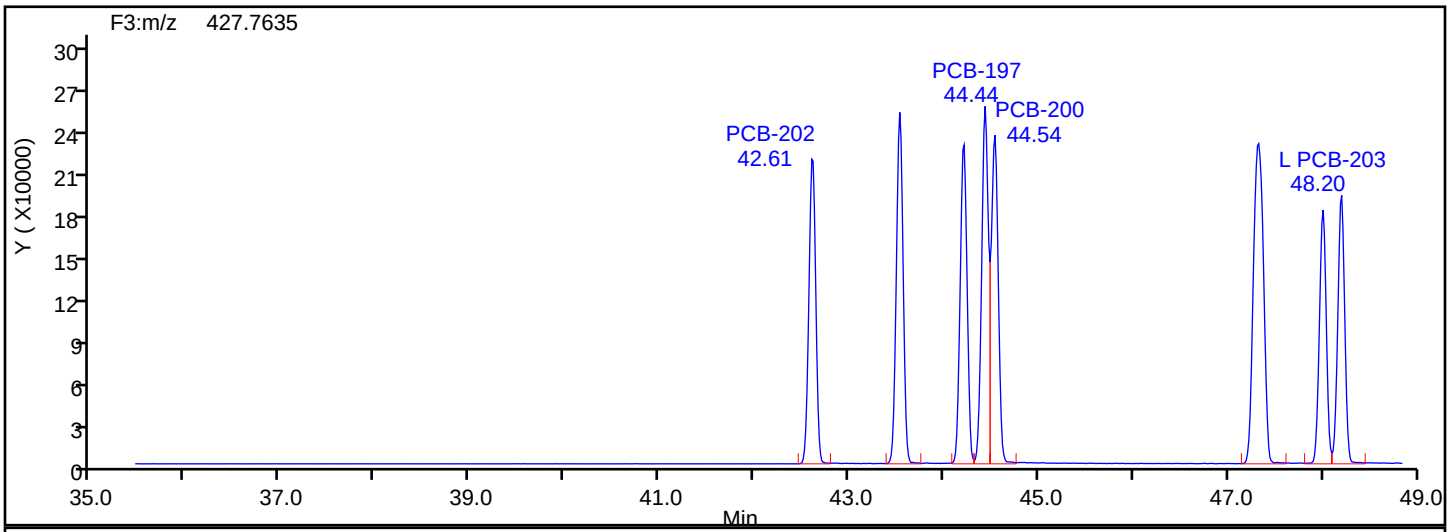
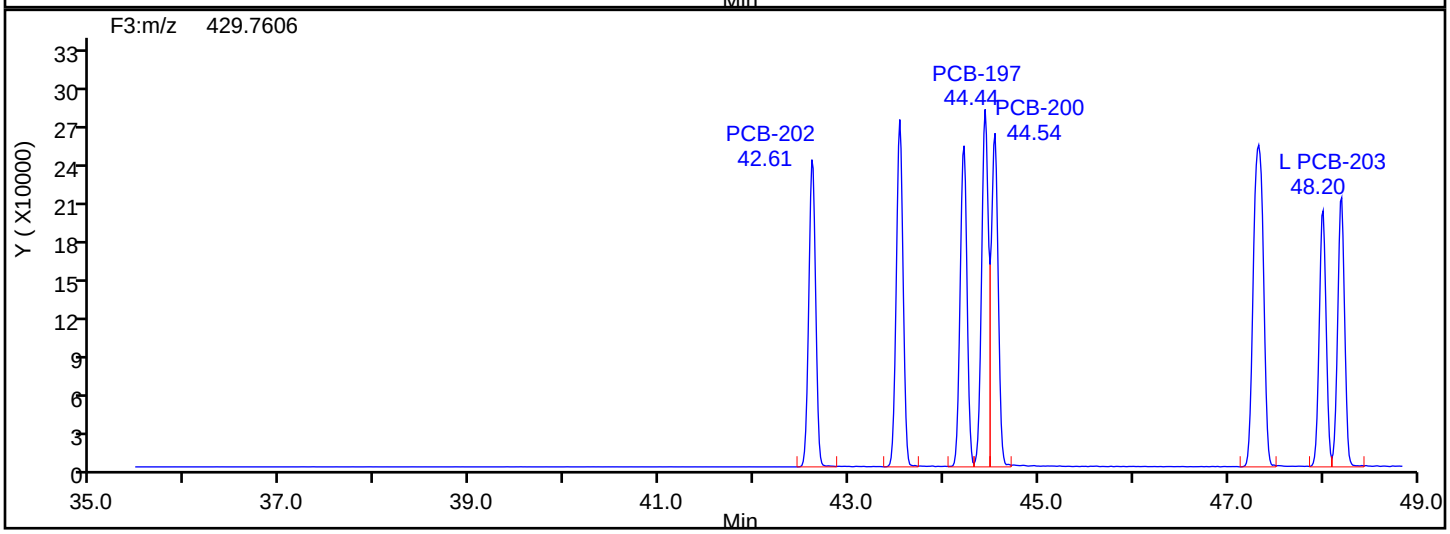
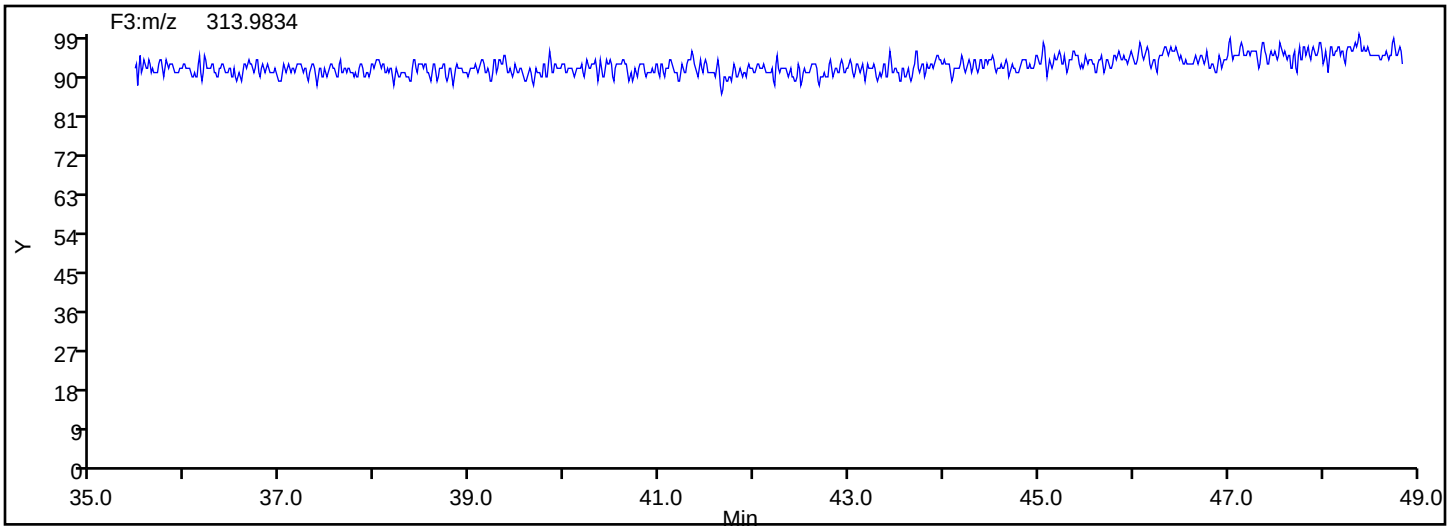
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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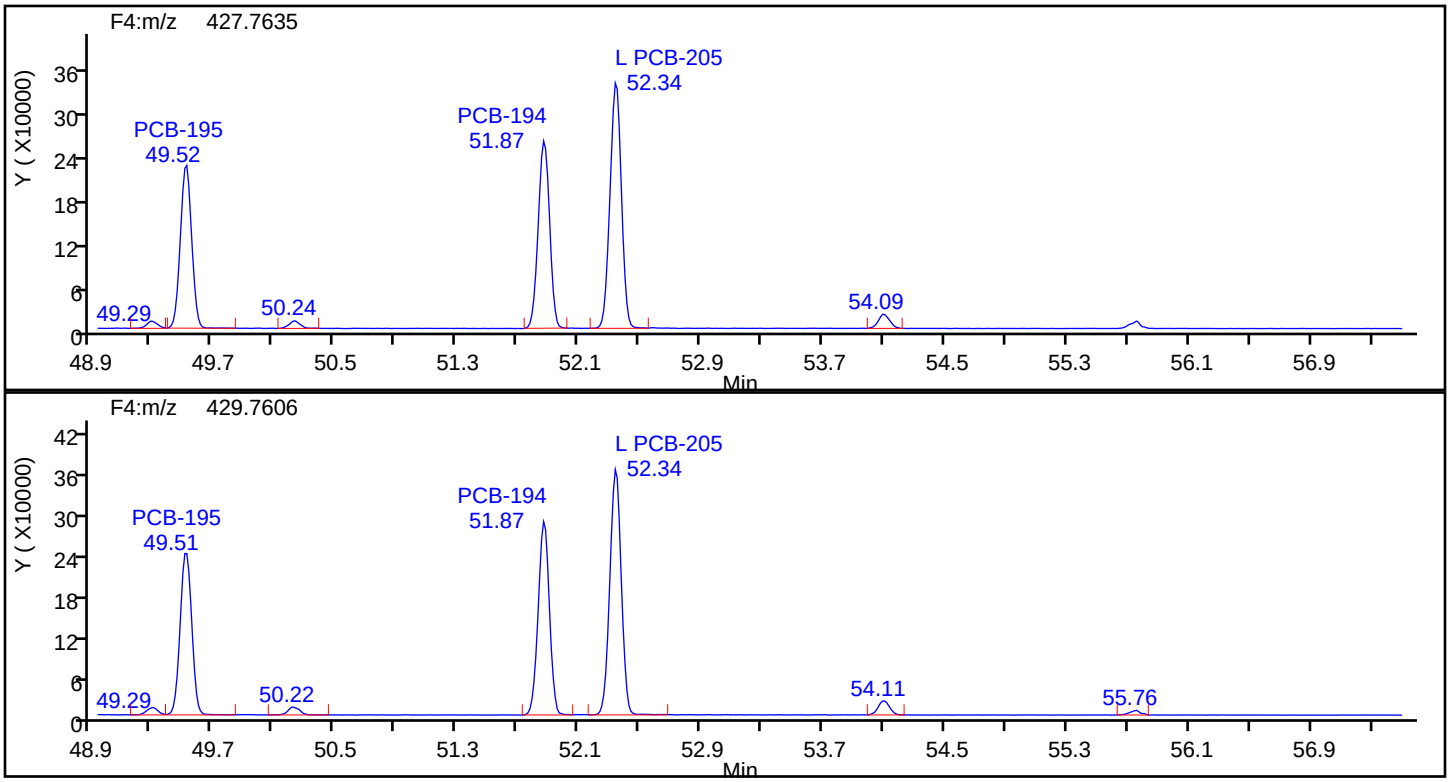
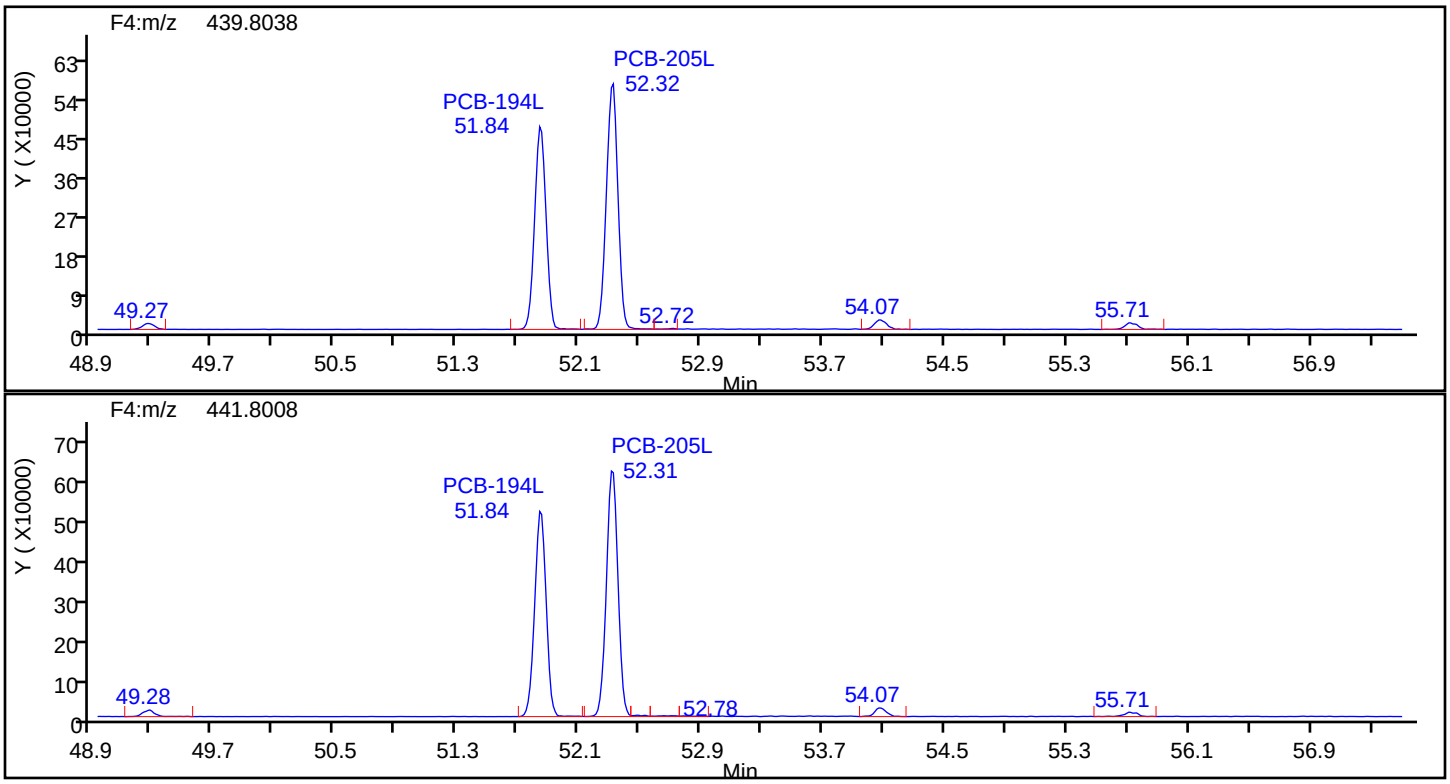
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Report Date: 03-Oct-2019 12:36:28 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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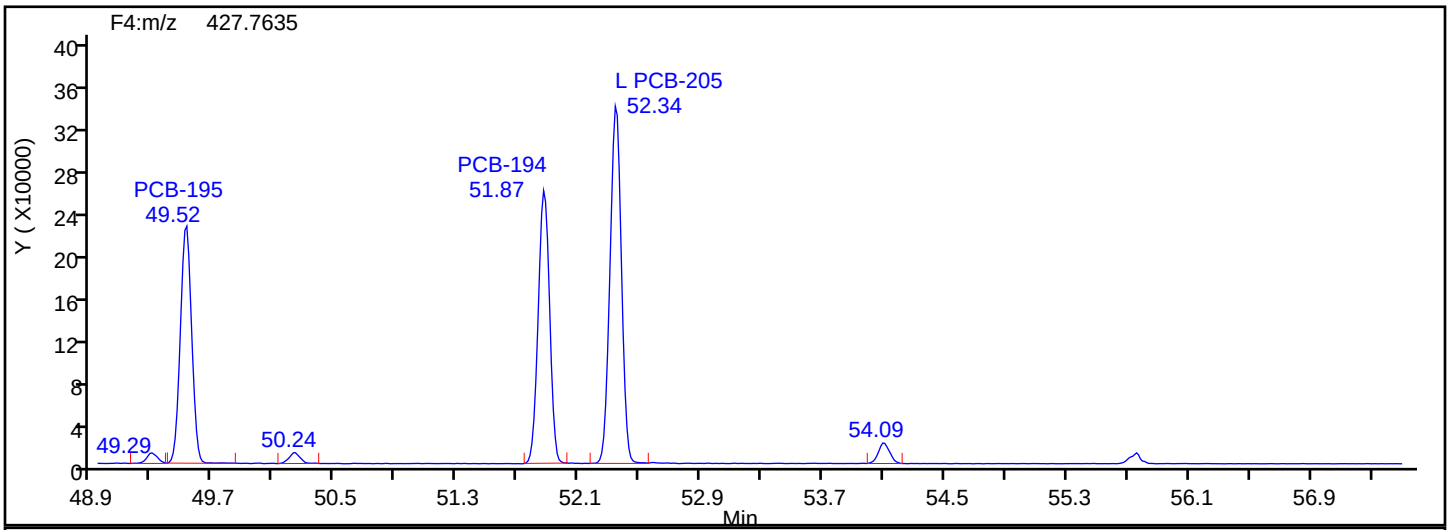
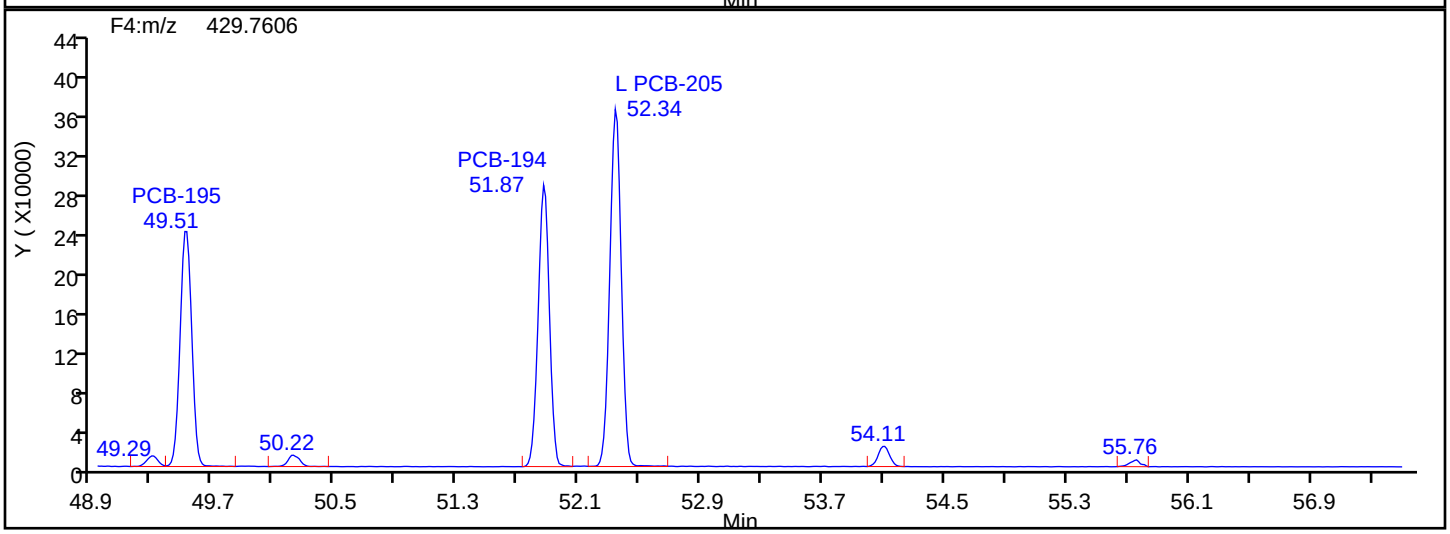
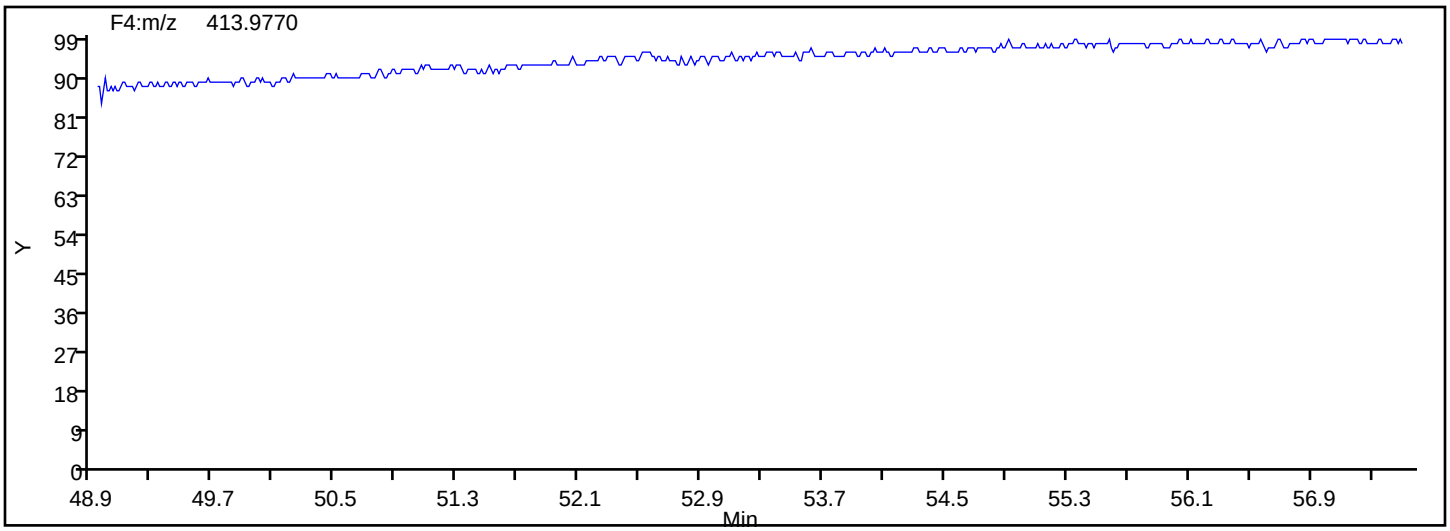
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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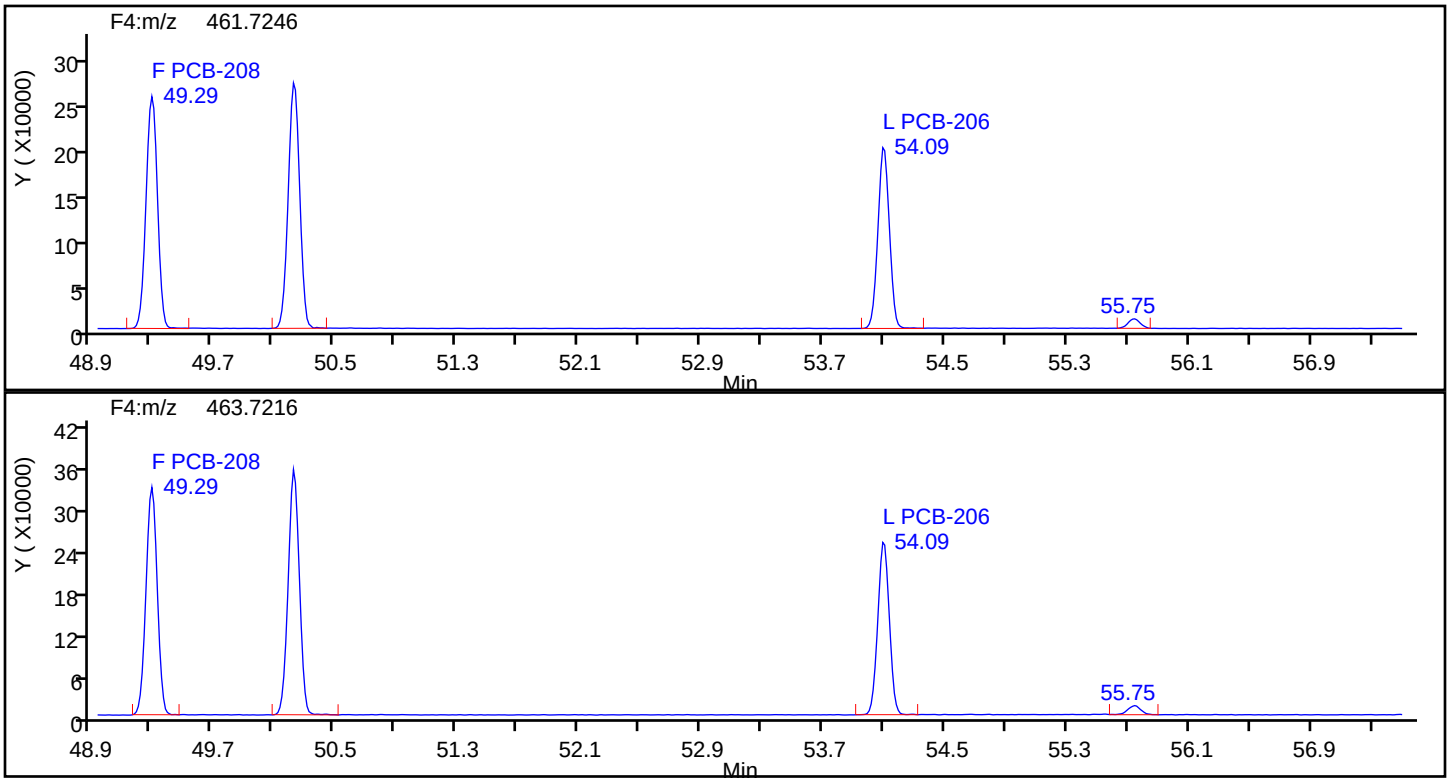
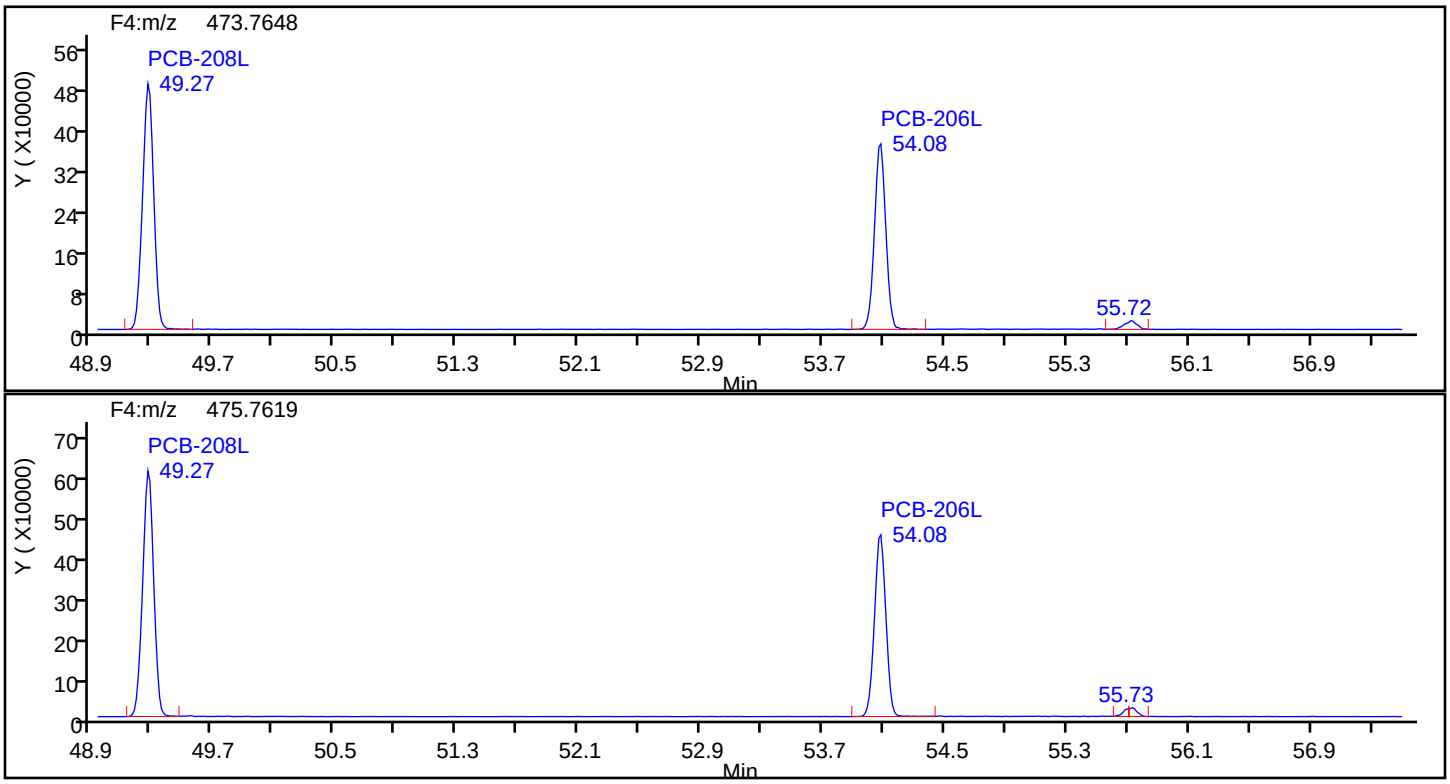
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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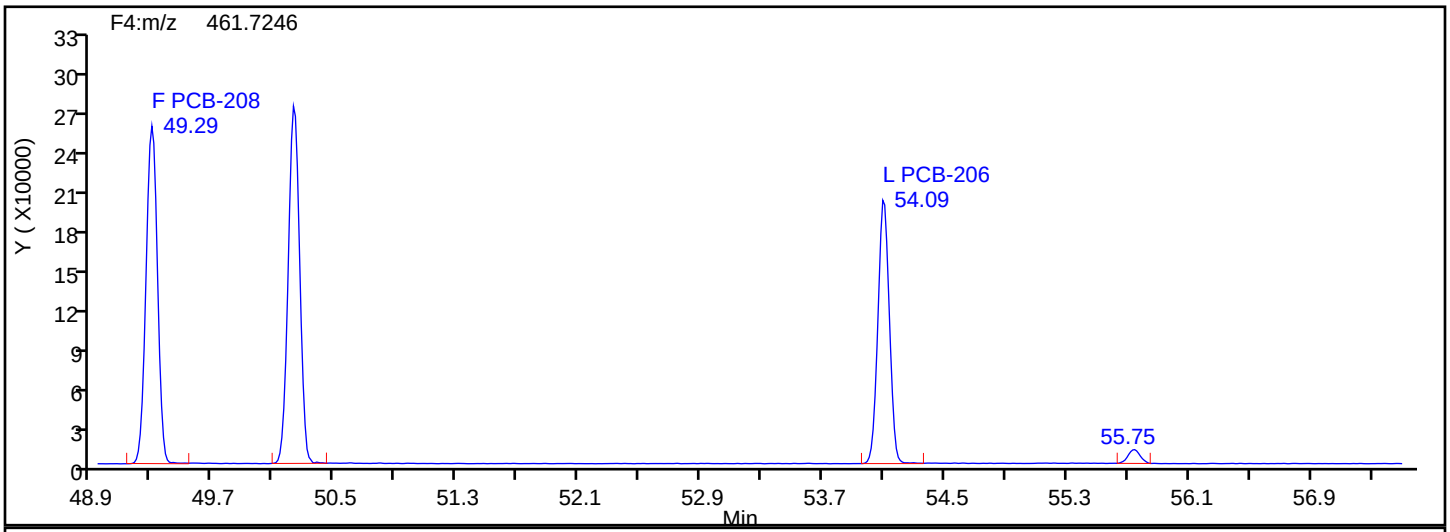
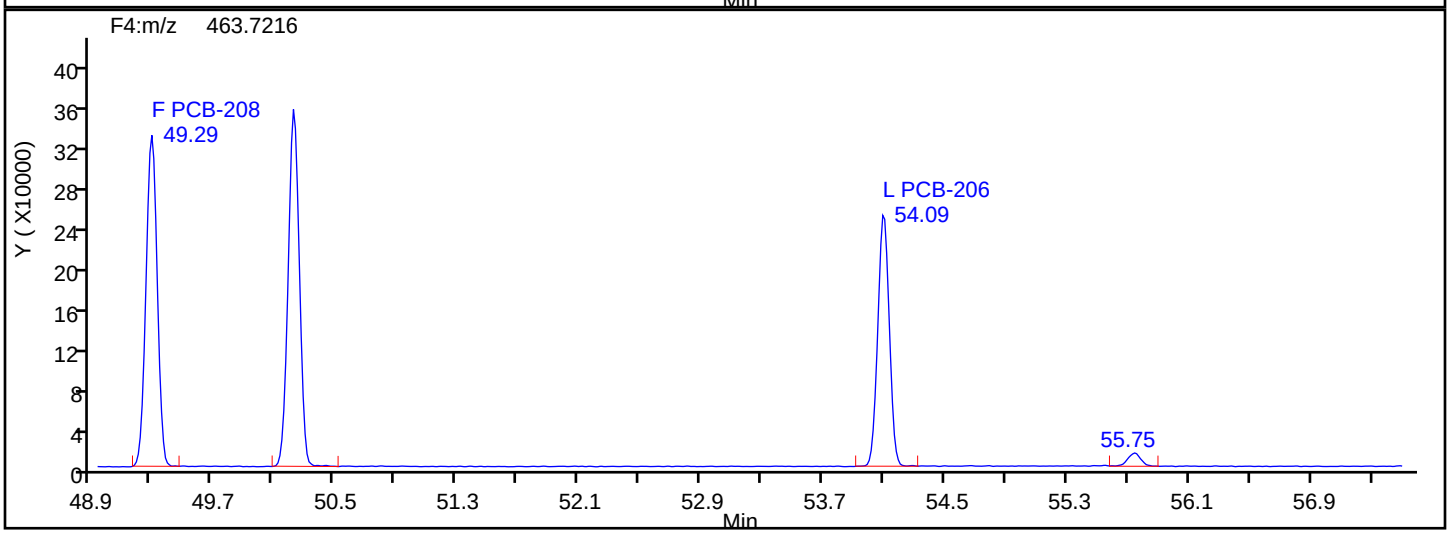
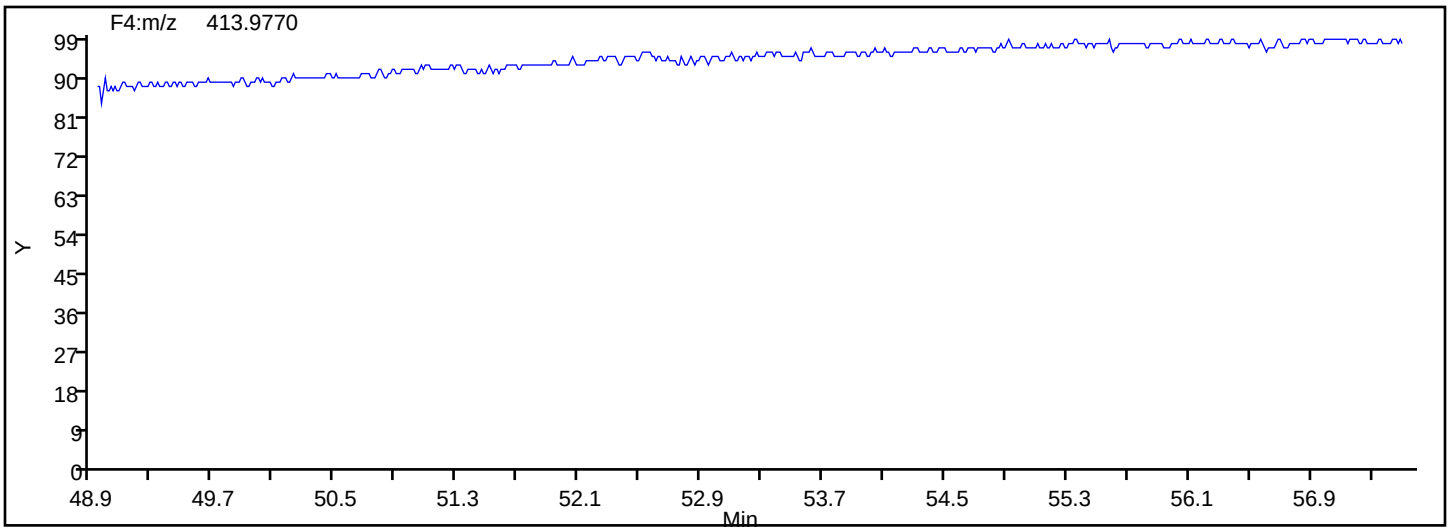
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



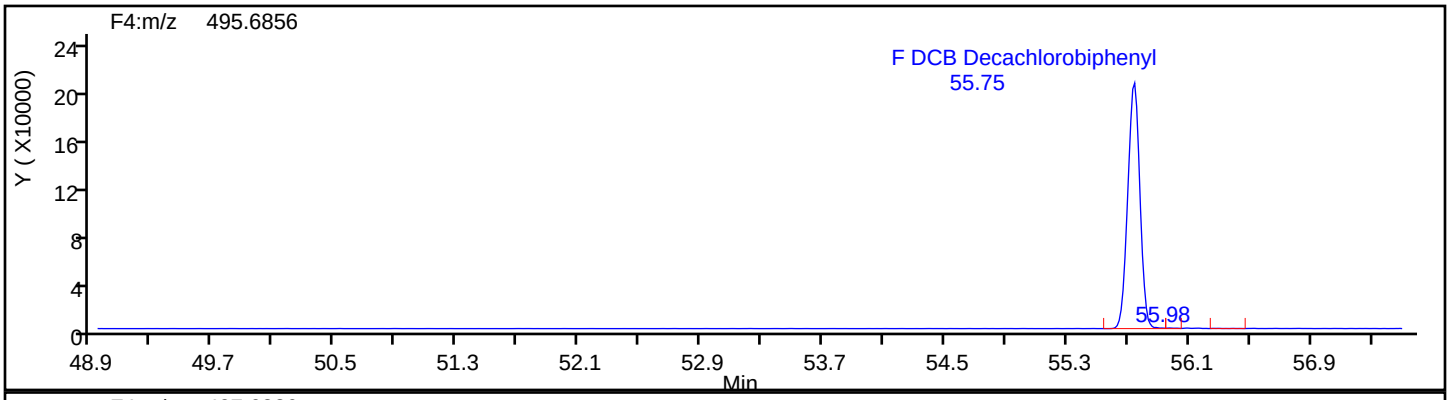
Report Date: 03-Oct-2019 12:36:28 Chrom Revision: 2.3 17-Sep-2019 16:19:08

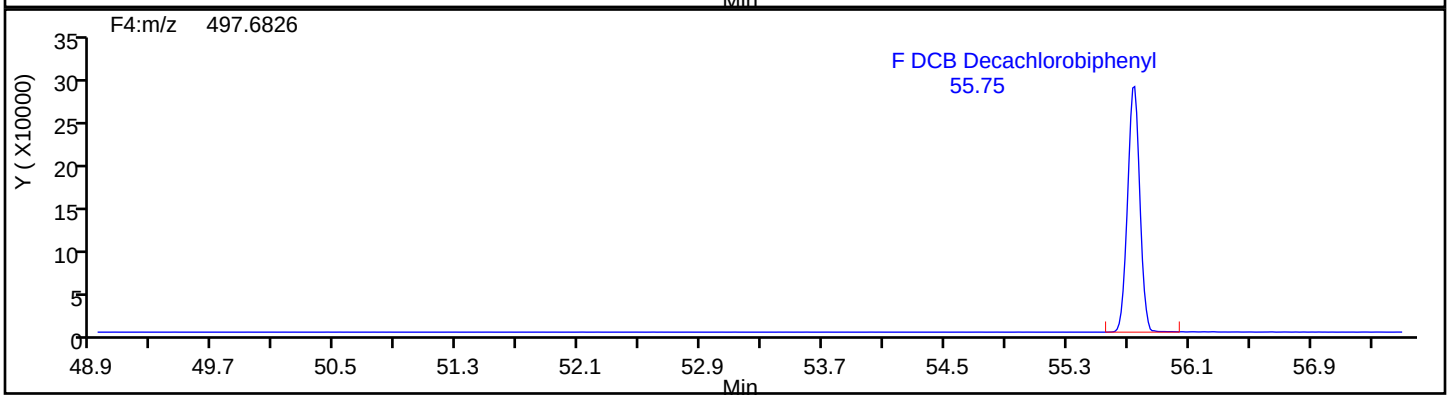
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\d4191003s1.d

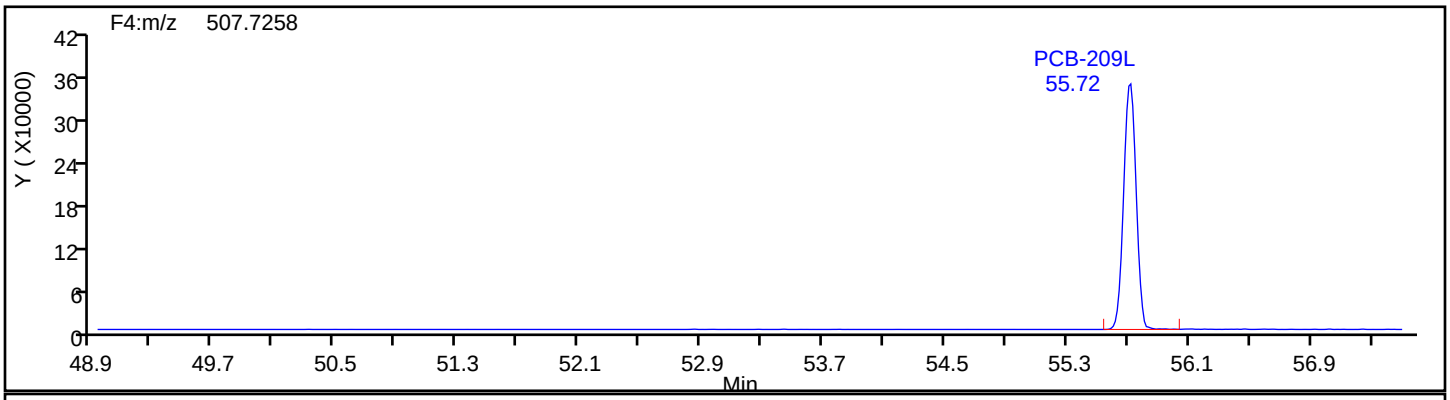
| | | | |
|---|---|---|---|
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

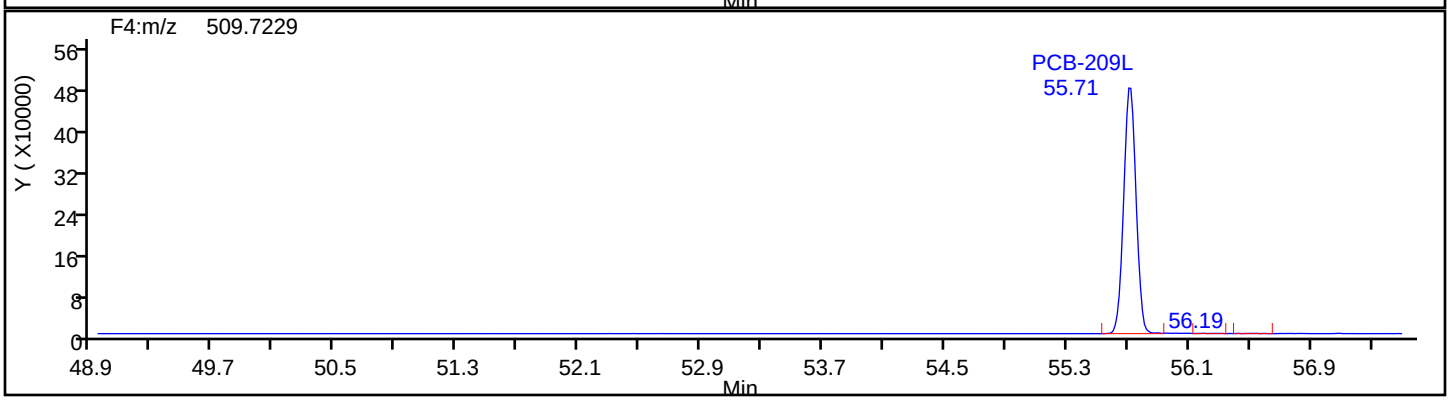
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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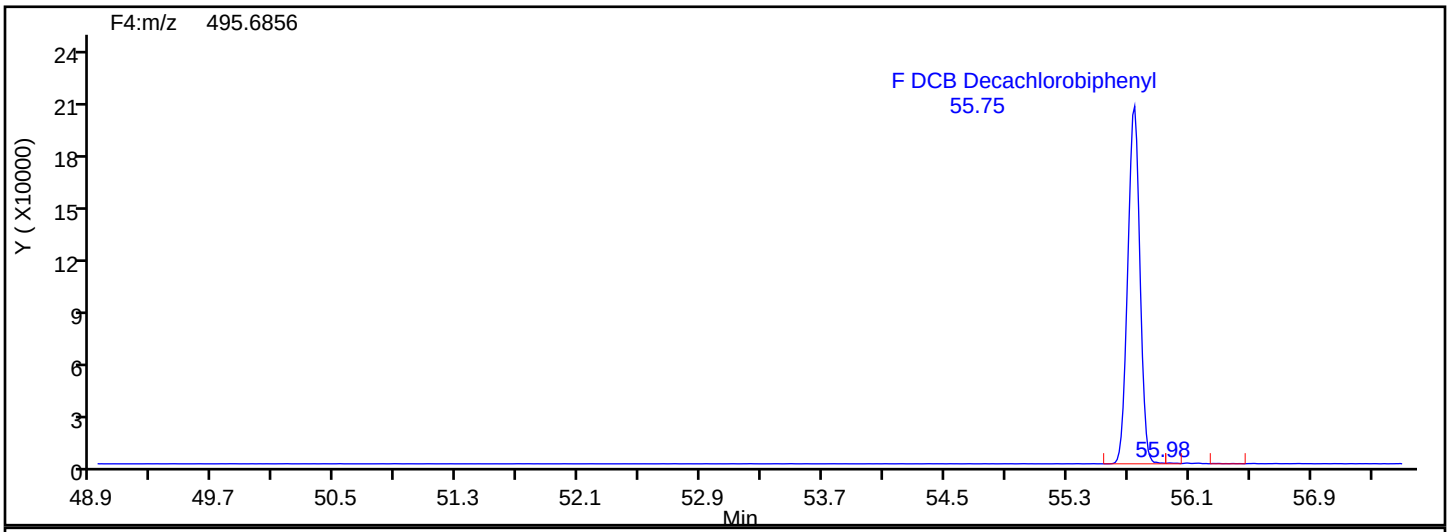
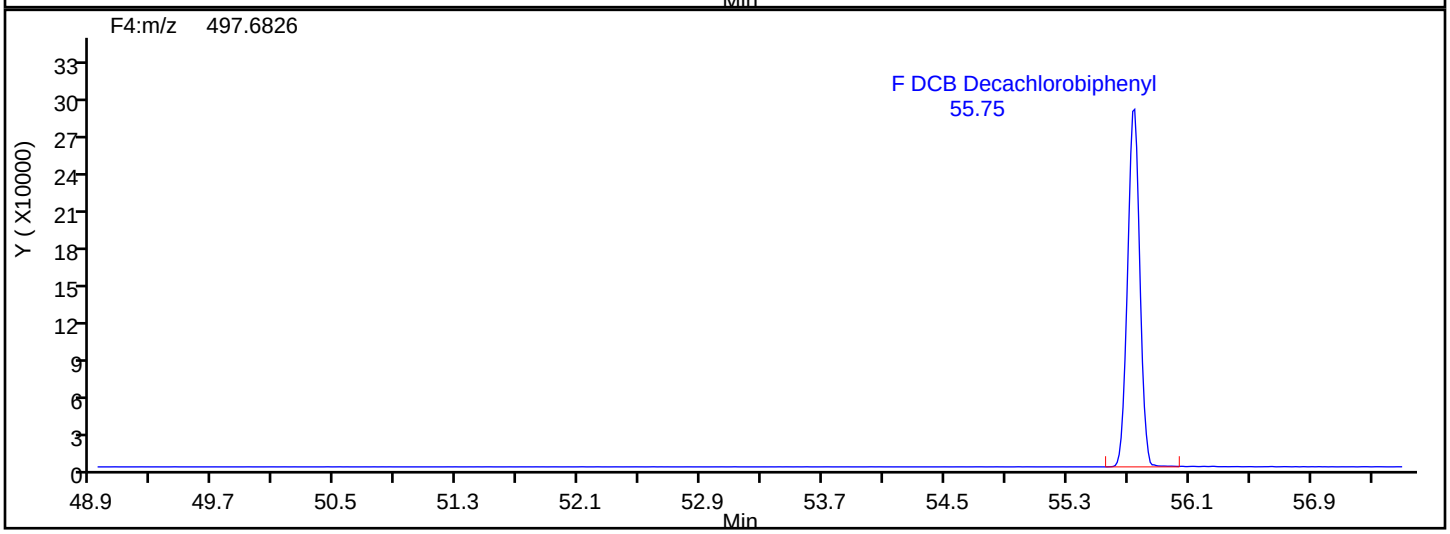
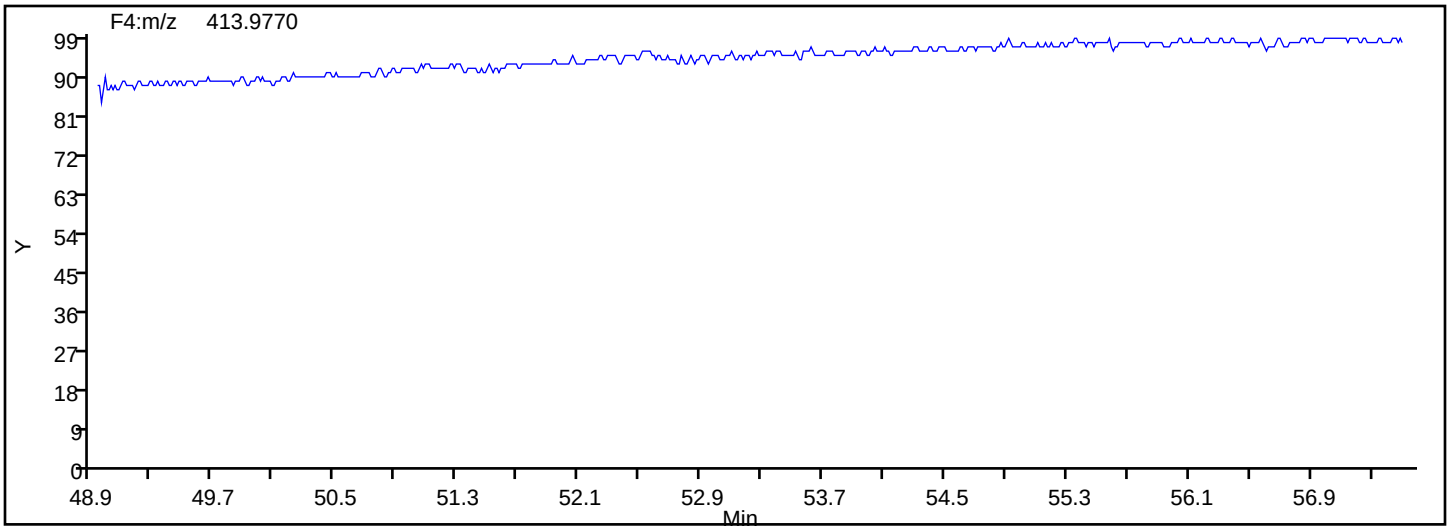
| Injection Date: | 03-Oct-2019 11:24:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34168/1  Calibration Date: 10/03/2019 22:32

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.123 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-2 | AveID | 1.191 | 1.109 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-3 | AveID | 1.213 | 1.115 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-4 | AveID | 1.253 | 1.182 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-10 | AveID | 1.483 | 1.365 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-9 | AveID | 1.420 | 1.297 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-7 | AveID | 1.624 | 1.474 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-6 | AveID | 1.554 | 1.388 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-5 | AveID | 1.561 | 1.406 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-8 | AveID | 1.588 | 1.458 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-19 | AveID | 1.305 | 1.162 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-14 | AveID | 1.874 | 1.678 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-18 | AveID | 1.819 | 1.587 | | 87.3 | 100 | 87 | 70-130 |
| PCB-18/30 | AveID | 1.819 | 1.587 | | 87.3 | 100 | 87 | 70-130 |
| PCB-30 | AveID | 1.819 | 1.587 | | 87.3 | 100 | 87 | 70-130 |
| PCB-11 | AveID | 1.635 | 1.436 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-17 | AveID | 1.564 | 1.364 | | 43.6 | 50.0 | 87 | 70-130 |
| PCB-12 | AveID | 1.641 | 1.463 | | 89.2 | 100 | 89 | 70-130 |
| PCB-12/13 | AveID | 1.641 | 1.463 | | 89.2 | 100 | 89 | 70-130 |
| PCB-13 | AveID | 1.641 | 1.463 | | 89.2 | 100 | 89 | 70-130 |
| PCB-27 | AveID | 2.168 | 1.857 | | 42.8 | 50.0 | 86 | 70-130 |
| PCB-24 | AveID | 2.102 | 1.817 | | 43.2 | 50.0 | 86 | 70-130 |
| PCB-16 | AveID | 1.226 | 1.088 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-15 | AveID | 1.402 | 1.272 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-54 | AveID | 1.256 | 1.161 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-32 | AveID | 2.342 | 2.017 | | 43.1 | 50.0 | 86 | 70-130 |
| PCB-34 | AveID | 1.215 | 1.152 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-23 | AveID | 1.268 | 1.181 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-26 | AveID | 1.319 | 1.183 | | 89.7 | 100 | 90 | 70-130 |
| PCB-26/29 | AveID | 1.319 | 1.183 | | 89.7 | 100 | 90 | 70-130 |
| PCB-29 | AveID | 1.319 | 1.183 | | 89.7 | 100 | 90 | 70-130 |
| PCB-25 | AveID | 1.352 | 1.232 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-50 | AveID | 0.9362 | 0.8365 | | 89.3 | 100 | 89 | 70-130 |
| PCB-50/53 | AveID | 0.9362 | 0.8365 | | 89.3 | 100 | 89 | 70-130 |
| PCB-53 | AveID | 0.9362 | 0.8365 | | 89.3 | 100 | 89 | 70-130 |
| PCB-31 | AveID | 1.381 | 1.267 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-20 | AveID | 1.306 | 1.167 | | 89.4 | 100 | 89 | 70-130 |
| PCB-20/28 | AveID | 1.306 | 1.167 | | 89.4 | 100 | 89 | 70-130 |
| PCB-28 | AveID | 1.306 | 1.167 | | 89.4 | 100 | 89 | 70-130 |
| PCB-45 | AveID | 0.8850 | 0.7971 | | 90.1 | 100 | 90 | 70-130 |
| PCB-45/51 | AveID | 0.8850 | 0.7971 | | 90.1 | 100 | 90 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34168/1  Calibration Date: 10/03/2019 22:32

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.7971 | | 90.1 | 100 | 90 | 70-130 |
| PCB-21 | AveID | 1.378 | 1.231 | | 89.3 | 100 | 89 | 70-130 |
| PCB-21/33 | AveID | 1.378 | 1.231 | | 89.3 | 100 | 89 | 70-130 |
| PCB-33 | AveID | 1.378 | 1.231 | | 89.3 | 100 | 89 | 70-130 |
| PCB-46 | AveID | 0.7591 | 0.6779 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-22 | AveID | 1.243 | 1.133 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-52 | AveID | 0.8992 | 0.8157 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-43 | AveID | 0.999 | 0.8997 | | 90.0 | 100 | 90 | 70-130 |
| PCB-43/73 | AveID | 0.999 | 0.8997 | | 90.0 | 100 | 90 | 70-130 |
| PCB-73 | AveID | 0.999 | 0.8997 | | 90.0 | 100 | 90 | 70-130 |
| PCB-36 | AveID | 1.347 | 1.275 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-49 | AveID | 1.137 | 1.002 | | 88.2 | 100 | 88 | 70-130 |
| PCB-49/69 | AveID | 1.137 | 1.002 | | 88.2 | 100 | 88 | 70-130 |
| PCB-69 | AveID | 1.137 | 1.002 | | 88.2 | 100 | 88 | 70-130 |
| PCB-39 | AveID | 1.397 | 1.298 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-48 | AveID | 0.9454 | 0.8271 | | 43.7 | 50.0 | 87 | 70-130 |
| PCB-104 | AveID | 1.393 | 1.285 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-44 | AveID | 1.032 | 0.8827 | | 128 | 150 | 86 | 70-130 |
| PCB-44/47/65 | AveID | 1.032 | 0.8827 | | 128 | 150 | 86 | 70-130 |
| PCB-47 | AveID | 1.032 | 0.8827 | | 128 | 150 | 86 | 70-130 |
| PCB-65 | AveID | 1.032 | 0.8827 | | 128 | 150 | 86 | 70-130 |
| PCB-38 | AveID | 1.318 | 1.180 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-59 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-59/62/75 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-62 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-75 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-96 | AveID | 1.227 | 1.124 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-42 | AveID | 0.8670 | 0.7761 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-35 | AveID | 1.217 | 1.175 | | 48.3 | 50.0 | 97 | 70-130 |
| PCB-40 | AveID | 0.9179 | 0.8017 | | 131 | 150 | 87 | 70-130 |
| PCB-40/41/71 | AveID | 0.9179 | 0.8017 | | 131 | 150 | 87 | 70-130 |
| PCB-41 | AveID | 0.9179 | 0.8017 | | 131 | 150 | 87 | 70-130 |
| PCB-71 | AveID | 0.9179 | 0.8017 | | 131 | 150 | 87 | 70-130 |
| PCB-37 | AveID | 1.288 | 1.225 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-64 | AveID | 1.416 | 1.227 | | 43.3 | 50.0 | 87 | 70-130 |
| PCB-72 | AveID | 1.316 | 1.179 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-103 | AveID | 1.033 | 0.9661 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-68 | AveID | 1.478 | 1.286 | | 43.5 | 50.0 | 87 | 70-130 |
| PCB-94 | AveID | 0.9036 | 0.8350 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-57 | AveID | 1.282 | 1.134 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-95 | AveID | 0.9620 | 0.8974 | | 46.6 | 50.0 | 93 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34168/1  Calibration Date: 10/03/2019 22:32

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.164 | | 44.1 | 50.0 | 88 | 70-130 |
| PCB-100 | AveID | 0.9806 | 0.8987 | | 91.6 | 100 | 92 | 70-130 |
| PCB-93 | AveID | 0.9806 | 0.8987 | | 91.6 | 100 | 92 | 70-130 |
| PCB-93/100 | AveID | 0.9806 | 0.8987 | | 91.6 | 100 | 92 | 70-130 |
| PCB-67 | AveID | 1.394 | 1.238 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-102 | AveID | 0.9888 | 0.9075 | | 91.8 | 100 | 92 | 70-130 |
| PCB-98 | AveID | 0.9888 | 0.9075 | | 91.8 | 100 | 92 | 70-130 |
| PCB-98/102 | AveID | 0.9888 | 0.9075 | | 91.8 | 100 | 92 | 70-130 |
| PCB-63 | AveID | 1.468 | 1.274 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-61 | AveID | 1.357 | 1.172 | | 173 | 200 | 86 | 70-130 |
| PCB-61/70/74/76 | AveID | 1.357 | 1.172 | | 173 | 200 | 86 | 70-130 |
| PCB-70 | AveID | 1.357 | 1.172 | | 173 | 200 | 86 | 70-130 |
| PCB-74 | AveID | 1.357 | 1.172 | | 173 | 200 | 86 | 70-130 |
| PCB-76 | AveID | 1.357 | 1.172 | | 173 | 200 | 86 | 70-130 |
| PCB-88 | AveID | 1.005 | 0.9192 | | 91.4 | 100 | 91 | 70-130 |
| PCB-88/91 | AveID | 1.005 | 0.9192 | | 91.4 | 100 | 91 | 70-130 |
| PCB-91 | AveID | 1.005 | 0.9192 | | 91.4 | 100 | 91 | 70-130 |
| PCB-84 | AveID | 0.8601 | 0.7850 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-66 | AveID | 1.280 | 1.135 | | 44.3 | 50.0 | 89 | 70-130 |
| PCB-55 | AveID | 1.295 | 1.144 | | 44.1 | 50.0 | 88 | 70-130 |
| PCB-89 | AveID | 0.8936 | 0.8388 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-56 | AveID | 1.267 | 1.096 | | 43.2 | 50.0 | 86 | 70-130 |
| PCB-121 | AveID | 1.397 | 1.270 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-60 | AveID | 1.329 | 1.144 | | 43.1 | 50.0 | 86 | 70-130 |
| PCB-92 | AveID | 0.9532 | 0.8790 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-80 | AveID | 1.469 | 1.303 | | 44.3 | 50.0 | 89 | 70-130 |
| PCB-155 | AveID | 1.303 | 1.160 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-152 | AveID | 1.256 | 1.094 | | 43.6 | 50.0 | 87 | 70-130 |
| PCB-101 | AveID | 1.137 | 1.036 | | 137 | 150 | 91 | 70-130 |
| PCB-113 | AveID | 1.137 | 1.036 | | 137 | 150 | 91 | 70-130 |
| PCB-90 | AveID | 1.137 | 1.036 | | 137 | 150 | 91 | 70-130 |
| PCB-90/101/113 | AveID | 1.137 | 1.036 | | 137 | 150 | 91 | 70-130 |
| PCB-150 | AveID | 1.237 | 1.101 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-136 | AveID | 1.156 | 1.026 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-83 | AveID | 0.9393 | 0.8779 | | 93.5 | 100 | 93 | 70-130 |
| PCB-83/99 | AveID | 0.9393 | 0.8779 | | 93.5 | 100 | 93 | 70-130 |
| PCB-99 | AveID | 0.9393 | 0.8779 | | 93.5 | 100 | 93 | 70-130 |
| PCB-112 | AveID | 1.367 | 1.274 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-145 | AveID | 1.191 | 1.069 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-109 | AveID | 1.196 | 1.060 | | 266 | 300 | 89 | 70-130 |
| PCB-119 | AveID | 1.196 | 1.060 | | 266 | 300 | 89 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34168/1  Calibration Date: 10/03/2019 22:32

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.060 | | 266 | 300 | 89 | 70-130 |
| PCB-79 | AveID | 1.542 | 1.375 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-86 | AveID | 1.196 | 1.060 | | 266 | 300 | 89 | 70-130 |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.060 | | 266 | 300 | 89 | 70-130 |
| PCB-87 | AveID | 1.196 | 1.060 | | 266 | 300 | 89 | 70-130 |
| PCB-97 | AveID | 1.196 | 1.060 | | 266 | 300 | 89 | 70-130 |
| PCB-78 | AveID | 1.315 | 1.142 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-116 | AveID | 1.213 | 1.110 | | 137 | 150 | 92 | 70-130 |
| PCB-117 | AveID | 1.213 | 1.110 | | 137 | 150 | 92 | 70-130 |
| PCB-85 | AveID | 1.213 | 1.110 | | 137 | 150 | 92 | 70-130 |
| PCB-85/116/117 | AveID | 1.213 | 1.110 | | 137 | 150 | 92 | 70-130 |
| PCB-110 | AveID | 1.351 | 1.253 | | 92.8 | 100 | 93 | 70-130 |
| PCB-110/115 | AveID | 1.351 | 1.253 | | 92.8 | 100 | 93 | 70-130 |
| PCB-115 | AveID | 1.351 | 1.253 | | 92.8 | 100 | 93 | 70-130 |
| PCB-81 | AveID | 1.321 | 1.220 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-82 | AveID | 0.8675 | 0.8238 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-148 | AveID | 0.8982 | 0.8044 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-77 | AveID | 1.331 | 1.214 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-111 | AveID | 1.426 | 1.339 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-135 | AveID | 0.8691 | 0.7777 | | 89.5 | 100 | 89 | 70-130 |
| PCB-135/151 | AveID | 0.8691 | 0.7777 | | 89.5 | 100 | 89 | 70-130 |
| PCB-151 | AveID | 0.8691 | 0.7777 | | 89.5 | 100 | 89 | 70-130 |
| PCB-120 | AveID | 1.491 | 1.371 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-154 | AveID | 1.018 | 0.9043 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-144 | AveID | 0.9185 | 0.8221 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-147 | AveID | 0.9747 | 0.8612 | | 88.4 | 100 | 88 | 70-130 |
| PCB-147/149 | AveID | 0.9747 | 0.8612 | | 88.4 | 100 | 88 | 70-130 |
| PCB-149 | AveID | 0.9747 | 0.8612 | | 88.4 | 100 | 88 | 70-130 |
| PCB-134 | AveID | 0.8518 | 0.7322 | | 86.0 | 100 | 86 | 70-130 |
| PCB-134/143 | AveID | 0.8518 | 0.7322 | | 86.0 | 100 | 86 | 70-130 |
| PCB-143 | AveID | 0.8518 | 0.7322 | | 86.0 | 100 | 86 | 70-130 |
| PCB-108 | AveID | 1.255 | 1.144 | | 91.2 | 100 | 91 | 70-130 |
| PCB-108/124 | AveID | 1.255 | 1.144 | | 91.2 | 100 | 91 | 70-130 |
| PCB-124 | AveID | 1.255 | 1.144 | | 91.2 | 100 | 91 | 70-130 |
| PCB-139 | AveID | 1.000 | 0.8439 | | 84.4 | 100 | 84 | 70-130 |
| PCB-139/140 | AveID | 1.000 | 0.8439 | | 84.4 | 100 | 84 | 70-130 |
| PCB-140 | AveID | 1.000 | 0.8439 | | 84.4 | 100 | 84 | 70-130 |
| PCB-107 | AveID | 1.358 | 1.263 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-131 | AveID | 0.8584 | 0.7325 | | 42.7 | 50.0 | 85 | 70-130 |
| PCB-123 | AveID | 1.341 | 1.272 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-106 | AveID | 1.275 | 1.159 | | 45.5 | 50.0 | 91 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34168/1  Calibration Date: 10/03/2019 22:32

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.7429 | | 43.2 | 50.0 | 86 | 70-130 |
| PCB-118 | AveID | 1.289 | 1.228 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-132 | AveID | 0.8801 | 0.7446 | | 42.3 | 50.0 | 85 | 70-130 |
| PCB-122 | AveID | 1.161 | 1.077 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-114 | AveID | 1.405 | 1.277 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-188 | AveID | 1.250 | 1.160 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-133 | AveID | 0.9064 | 0.7875 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-179 | AveID | 1.415 | 1.334 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-165 | AveID | 1.121 | 0.9843 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-105 | AveID | 1.289 | 1.202 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-146 | AveID | 1.008 | 0.8657 | | 42.9 | 50.0 | 86 | 70-130 |
| PCB-161 | AveID | 1.337 | 1.130 | | 42.3 | 50.0 | 85 | 70-130 |
| PCB-184 | AveID | 1.419 | 1.312 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-176 | AveID | 1.521 | 1.441 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-153 | AveID | 1.221 | 1.046 | | 85.7 | 100 | 86 | 70-130 |
| PCB-153/168 | AveID | 1.221 | 1.046 | | 85.7 | 100 | 86 | 70-130 |
| PCB-168 | AveID | 1.221 | 1.046 | | 85.7 | 100 | 86 | 70-130 |
| PCB-141 | AveID | 0.9608 | 0.8342 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-186 | AveID | 1.435 | 1.359 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-130 | AveID | 0.8274 | 0.7133 | | 43.1 | 50.0 | 86 | 70-130 |
| PCB-127 | AveID | 1.284 | 1.239 | | 48.2 | 50.0 | 96 | 70-130 |
| PCB-137 | AveID | 1.058 | 0.9302 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-164 | AveID | 1.253 | 1.066 | | 42.5 | 50.0 | 85 | 70-130 |
| PCB-129 | AveID | 1.084 | 0.9304 | | 172 | 200 | 86 | 70-130 |
| PCB-129/138/160/163 | AveID | 1.084 | 0.9304 | | 172 | 200 | 86 | 70-130 |
| PCB-138 | AveID | 1.084 | 0.9304 | | 172 | 200 | 86 | 70-130 |
| PCB-160 | AveID | 1.084 | 0.9304 | | 172 | 200 | 86 | 70-130 |
| PCB-163 | AveID | 1.084 | 0.9304 | | 172 | 200 | 86 | 70-130 |
| PCB-158 | AveID | 1.386 | 1.204 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-178 | AveID | 1.023 | 0.9772 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-175 | AveID | 1.069 | 1.009 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-126 | AveID | 1.342 | 1.250 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-128 | AveID | 1.116 | 0.9785 | | 87.6 | 100 | 88 | 70-130 |
| PCB-128/166 | AveID | 1.116 | 0.9785 | | 87.6 | 100 | 88 | 70-130 |
| PCB-166 | AveID | 1.116 | 0.9785 | | 87.6 | 100 | 88 | 70-130 |
| PCB-187 | AveID | 1.111 | 1.069 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-182 | AveID | 1.148 | 1.098 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-183 | AveID | 1.137 | 1.071 | | 94.2 | 100 | 94 | 70-130 |
| PCB-183/185 | AveID | 1.137 | 1.071 | | 94.2 | 100 | 94 | 70-130 |
| PCB-185 | AveID | 1.137 | 1.071 | | 94.2 | 100 | 94 | 70-130 |
| PCB-174 | AveID | 0.9547 | 0.9352 | | 49.0 | 50.0 | 98 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34168/1  Calibration Date: 10/03/2019 22:32

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.155 | | 43.8 | 50.0 | 88 | 70-130 |
| PCB-162 | AveID | 1.362 | 1.205 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-177 | AveID | 0.9426 | 0.9049 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-202 | AveID | 1.053 | 0.9710 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-167 | AveID | 1.336 | 1.212 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-181 | AveID | 1.107 | 1.066 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-171 | AveID | 0.9603 | 0.9301 | | 96.8 | 100 | 97 | 70-130 |
| PCB-171/173 | AveID | 0.9603 | 0.9301 | | 96.8 | 100 | 97 | 70-130 |
| PCB-173 | AveID | 0.9603 | 0.9301 | | 96.8 | 100 | 97 | 70-130 |
| PCB-201 | AveID | 1.186 | 1.082 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-156 | AveID | 1.276 | 1.176 | | 92.2 | 100 | 92 | 70-130 |
| PCB-156/157 | AveID | 1.276 | 1.176 | | 92.2 | 100 | 92 | 70-130 |
| PCB-157 | AveID | 1.276 | 1.176 | | 92.2 | 100 | 92 | 70-130 |
| PCB-204 | AveID | 1.101 | 1.029 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-197 | AveID | 1.205 | 1.120 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-200 | AveID | 1.126 | 1.031 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-172 | AveID | 0.9918 | 0.9609 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-192 | AveID | 1.290 | 1.289 | | 49.9 | 50.0 | 100 | 70-130 |
| PCB-180 | AveID | 1.229 | 1.215 | | 98.9 | 100 | 99 | 70-130 |
| PCB-180/193 | AveID | 1.229 | 1.215 | | 98.9 | 100 | 99 | 70-130 |
| PCB-193 | AveID | 1.229 | 1.215 | | 98.9 | 100 | 99 | 70-130 |
| PCB-191 | AveID | 1.385 | 1.386 | | 50.0 | 50.0 | 100 | 70-130 |
| PCB-170 | AveID | 1.270 | 1.285 | | 50.6 | 50.0 | 101 | 70-130 |
| PCB-190 | AveID | 1.377 | 1.360 | | 49.4 | 50.0 | 99 | 70-130 |
| PCB-169 | AveID | 1.283 | 1.196 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-198 | AveID | 0.8183 | 0.7632 | | 93.3 | 100 | 93 | 70-130 |
| PCB-198/199 | AveID | 0.8183 | 0.7632 | | 93.3 | 100 | 93 | 70-130 |
| PCB-199 | AveID | 0.8183 | 0.7632 | | 93.3 | 100 | 93 | 70-130 |
| PCB-196 | AveID | 0.8748 | 0.8052 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-203 | AveID | 0.9219 | 0.8572 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-208 | AveID | 1.157 | 1.073 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-195 | AveID | 0.7839 | 0.7676 | | 49.0 | 50.0 | 98 | 70-130 |
| PCB-189 | AveID | 1.280 | 1.244 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-207 | AveID | 1.396 | 1.280 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-194 | AveID | 0.9282 | 0.8686 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-205 | AveID | 1.234 | 1.146 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-206 | AveID | 1.193 | 1.093 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-209 | AveID | 1.246 | 1.171 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-1L | Ave | 1.314 | 1.191 | | 90.7 | 100 | 91 | 50-150 |
| PCB-3L | Ave | 1.362 | 1.232 | | 90.5 | 100 | 90 | 50-150 |
| PCB-4L | Ave | 0.5996 | 0.6124 | | 102 | 100 | 102 | 50-150 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34168/1  Calibration Date: 10/03/2019 22:32

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191003s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.6211 | | 102 | 100 | 102 | 50-150 |
| PCB-15L | Ave | 1.028 | 1.082 | | 105 | 100 | 105 | 50-150 |
| PCB-54L | Ave | 0.6515 | 0.6606 | | 101 | 100 | 101 | 50-150 |
| PCB-104L | Ave | 1.116 | 1.217 | | 109 | 100 | 109 | 50-150 |
| PCB-37L | Ave | 0.9024 | 0.9527 | | 106 | 100 | 106 | 50-150 |
| PCB-155L | Ave | 0.9499 | 1.183 | | 125 | 100 | 125 | 50-150 |
| PCB-81L | Ave | 1.233 | 1.318 | | 107 | 100 | 107 | 50-150 |
| PCB-77L | Ave | 1.252 | 1.361 | | 109 | 100 | 109 | 50-150 |
| PCB-123L | Ave | 0.9909 | 0.9544 | | 96.3 | 100 | 96 | 50-150 |
| PCB-118L | Ave | 1.026 | 1.004 | | 97.9 | 100 | 98 | 50-150 |
| PCB-114L | Ave | 1.003 | 0.9821 | | 97.9 | 100 | 98 | 50-150 |
| PCB-188L | Ave | 1.316 | 1.289 | | 98.0 | 100 | 98 | 50-150 |
| PCB-105L | Ave | 1.001 | 0.9655 | | 96.4 | 100 | 96 | 50-150 |
| PCB-126L | Ave | 0.9020 | 0.9707 | | 108 | 100 | 108 | 50-150 |
| PCB-202L | Ave | 1.006 | 1.085 | | 108 | 100 | 108 | 50-150 |
| PCB-167L | Ave | 1.254 | 1.284 | | 102 | 100 | 102 | 50-150 |
| PCB-156L | Ave | 1.229 | 1.251 | | 204 | 200 | 102 | 50-150 |
| PCB-156L/157L | Ave | 1.229 | 1.251 | | 204 | 200 | 102 | 50-150 |
| PCB-157L | Ave | 1.229 | 1.251 | | 204 | 200 | 102 | 50-150 |
| PCB-170L | Ave | 0.8357 | 0.7912 | | 94.7 | 100 | 95 | 50-150 |
| PCB-169L | Ave | 1.088 | 1.262 | | 116 | 100 | 116 | 50-150 |
| PCB-208L | Ave | 1.138 | 1.108 | | 97.3 | 100 | 97 | 50-150 |
| PCB-189L | Ave | 1.467 | 1.479 | | 101 | 100 | 101 | 50-150 |
| PCB-205L | Ave | 1.287 | 1.232 | | 95.7 | 100 | 96 | 50-150 |
| PCB-206L | Ave | 0.8938 | 0.8496 | | 95.1 | 100 | 95 | 50-150 |
| PCB-209L | Ave | 0.9809 | 0.9372 | | 95.5 | 100 | 96 | 50-150 |
| PCB-8L | AveID | 1.309 | 1.139 | | 43.5 | 50.0 | 87 | 50-150 |
| PCB-28L | Ave | 1.098 | 1.073 | | 48.9 | 50.0 | 98 | 60-130 |
| PCB-95L | AveID | 0.7770 | 0.7289 | | 46.9 | 50.0 | 94 | 50-150 |
| PCB-79L | AveID | 1.124 | 1.022 | | 45.5 | 50.0 | 91 | 50-150 |
| PCB-111L | Ave | 1.218 | 1.298 | | 53.3 | 50.0 | 107 | 60-130 |
| PCB-153L | AveID | 0.9597 | 0.8158 | | 42.5 | 50.0 | 85 | 50-150 |
| PCB-178L | Ave | 0.9222 | 0.9588 | | 52.0 | 50.0 | 104 | 60-130 |

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

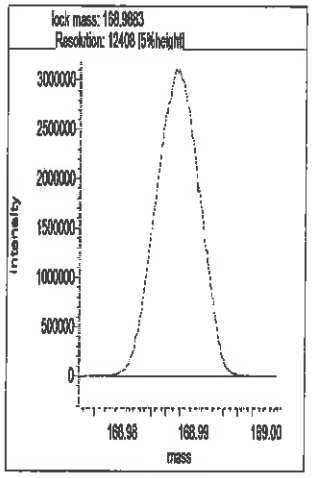
| | |
|---|---|
| Date: | 03 Oct 2019 21:56 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

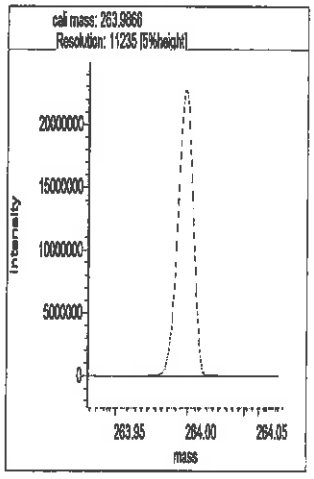
## Segment 1

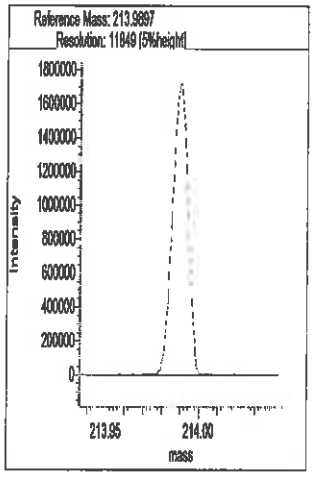
Lock mass 168.9883 [m/z] Resolution: 12408 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 11235 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 11849 [5%height]




## Segment 2

Lock mass 263.9866 [m/z] Resolution: 13143 [5%height]

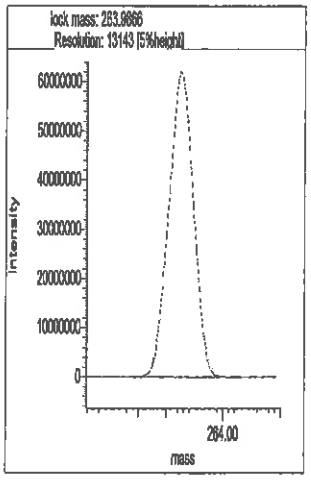
Cali. mass 375.9802 [m/z] Resolution: 11985 [5%height]

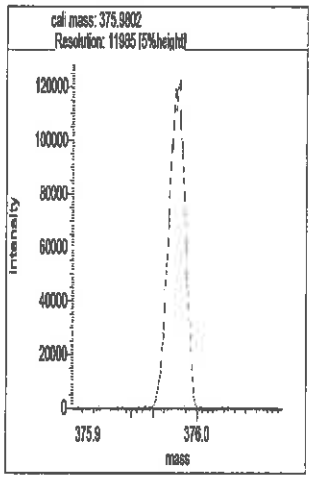
Ref. mass 313.9834 [m/z] Resolution: 12417 [5%height]

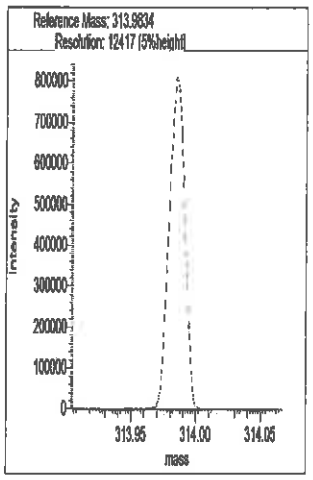
Ref. mass 313.9834 [m/z] Resolution: 12136 [5%height]

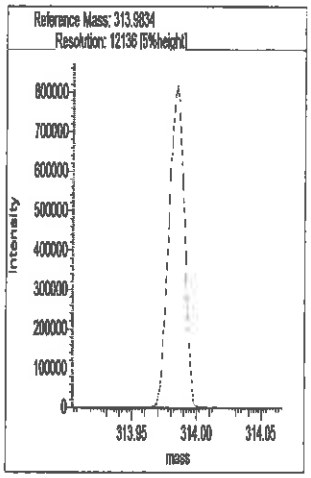
Close _ 19100351b

open _ 19100352a







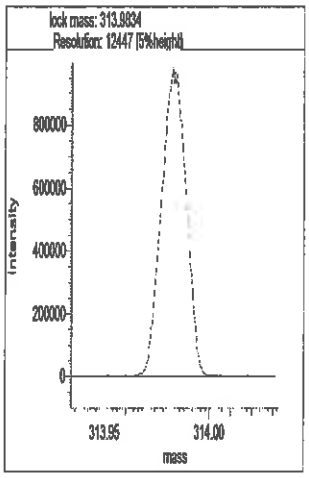


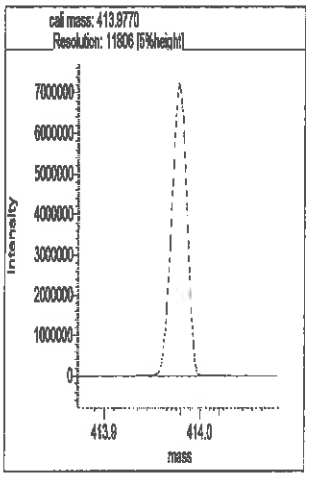

Segment 3

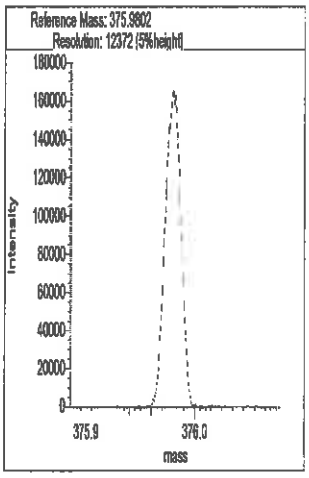
Lock mass 313.9834 [m/z] Resolution: 12447 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 11806 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 12372 [5%height]





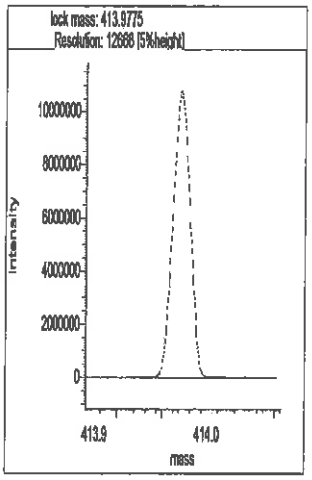


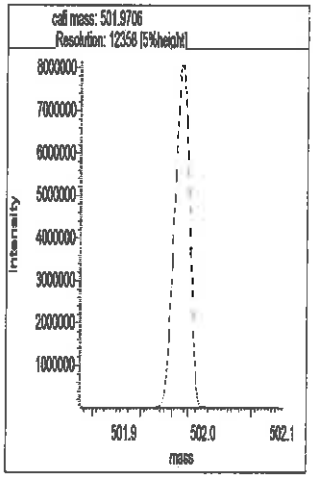

Segment 4

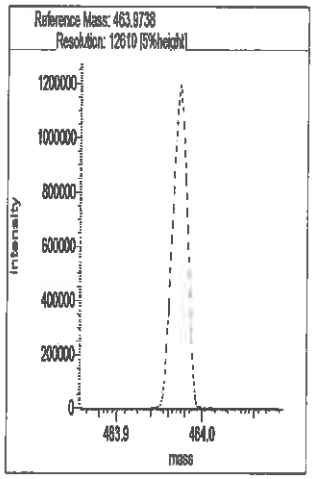
Lock mass 413.9775 [m/z] Resolution: 12668 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 12358 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12610 [5%height]


lock mass: 413.9775
Resolution: 12688 [5%height]
Intensity
10000000
8000000
6000000
4000000
2000000
0
413.9
414.0
mass


cali mass: 501.9706
Resolution: 12358 [5%height]
Intensity
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12610 [5%height]
Intensity
1200000
1000000
800000
600000
400000
200000
0
463.9
464.0
mass

```
Reports
22:06:06:  Peak matching procedure started
22:06:06:
22:06:07:  Reference mass: 168.98827
22:06:07:  Sample mass: 214.0
22:06:08:
22:06:08:  Finding reference mass
22:06:09:  Finding sample mass
22:06:10:
22:06:15:  [1]    213.9900 amu, mean: 213.9900
22:06:18:  [2]    213.9898 amu, mean: 213.9899     SD: 0.08 mmu or: 0.38 ppm
22:06:22:  [3]    213.9895 amu, mean: 213.9897     SD: 0.26 mmu or: 1.23 ppm
22:06:25:  [4]    213.9892 amu, mean: 213.9896     SD: 0.34 mmu or: 1.61 ppm
22:06:26:
22:06:26:  Stop requested. Please wait for procedure to finish.
22:06:26:
22:06:28:
22:06:29:  Peakmatching stopped
```

Signature LH 10-3-19

Reports

```
22:07:37:  Peak matching procedure started
22:07:38:
22:07:39:  Reference mass: 213.98975
22:07:39:  Sample mass: 264.0
22:07:39:
22:07:40:  Finding reference mass
22:07:41:  Finding sample mass
22:07:41:
22:07:47:  [1]    263.9867 amu, mean: 263.9867
22:07:50:  [2]    263.9865 amu, mean: 263.9866     SD: 0.11 mmu or: 0.41 ppm
22:07:53:  [3]    263.9862 amu, mean: 263.9865     SD: 0.25 mmu or: 0.95 ppm
22:07:56:  [4]    263.9862 amu, mean: 263.9864     SD: 0.25 mmu or: 0.95 ppm
22:07:57:
22:07:57:  Stop requested. Please wait for procedure to finish.
22:07:57:
22:07:59:
22:08:00:  Peakmatching stopped
```

Signature LKn 10-3-19

Reports

```
22:08:50:  Peak matching procedure started
22:08:51:
22:08:51:  Reference mass: 263.98656
22:08:52:  Sample mass: 314.0
22:08:52:
22:08:53:  Finding reference mass
22:08:54:  Finding sample mass
22:08:54:
22:09:00:  [1]    313.9822 amu, mean: 313.9822
22:09:03:  [2]    313.9823 amu, mean: 313.9823     SD: 0.04 mmu or: 0.13 ppm
22:09:06:  [3]    313.9825 amu, mean: 313.9823     SD: 0.16 mmu or: 0.50 ppm
22:09:09:  [4]    313.9828 amu, mean: 313.9825     SD: 0.25 mmu or: 0.80 ppm
22:09:10:
22:09:10:  Stop requested. Please wait for procedure to finish.
22:09:10:
22:09:13:
22:09:13:  Peakmatching stopped
```

Signature 10-3-19

```
Reports
22:09:57:  Peak matching procedure started
22:09:57:
22:09:58:  Reference mass: 313.98336
22:09:58:  Sample mass: 376.0
22:09:59:
22:09:59:  Finding reference mass
22:10:00:  Finding sample mass
22:10:01:
22:10:06:  [1]    375.9798 amu, mean: 375.9798
22:10:10:  [2]    375.9799 amu, mean: 375.9799     SD: 0.05 mmu or: 0.12 ppm
22:10:13:  [3]    375.9792 amu, mean: 375.9796     SD: 0.40 mmu or: 1.07 ppm
22:10:16:  [4]    375.9798 amu, mean: 375.9797     SD: 0.34 mmu or: 0.90 ppm
22:10:17:
22:10:17:  Stop requested. Please wait for procedure to finish.
22:10:17:
22:10:19:
22:10:20:  Peakmatching stopped
```

Signature Lan 10-3-19

Reports

```
22:09:57:  Peak matching procedure started
22:09:57:
22:09:58:  Reference mass: 313.98336
22:09:58:  Sample mass: 376.0
22:09:59:
22:09:59:  Finding reference mass
22:10:00:  Finding sample mass
22:10:01:
22:10:06:  [1]    375.9798 amu, mean: 375.9798
22:10:10:  [2]    375.9799 amu, mean: 375.9799      SD: 0.05 mmu or: 0.12 ppm
22:10:13:  [3]    375.9792 amu, mean: 375.9796      SD: 0.40 mmu or: 1.07 ppm
22:10:16:  [4]    375.9798 amu, mean: 375.9797      SD: 0.34 mmu or: 0.90 ppm
22:10:17:
22:10:17:  Stop requested. Please wait for procedure to finish.
22:10:17:
22:10:19:
22:10:20:  Peakmatching stopped
```

Signature Lem 10-3-19

Reports

```
22:11:30:  Peak matching procedure started
22:11:30:
22:11:31:  Reference mass: 375.98017
22:11:31:  Sample mass: 414.0
22:11:32:
22:11:32:  Finding reference mass
22:11:33:  Finding sample mass
22:11:34:
22:11:39:  [1]    413.9763 amu, mean: 413.9763
22:11:42:  [2]    413.9762 amu, mean: 413.9762      SD: 0.07 mmu or: 0.17 ppm
22:11:46:  [3]    413.9761 amu, mean: 413.9762      SD: 0.09 mmu or: 0.22 ppm
22:11:49:  [4]    413.9763 amu, mean: 413.9762      SD: 0.09 mmu or: 0.22 ppm
22:11:49:
22:11:49:  Stop requested. Please wait for procedure to finish.
22:11:49:
22:11:52:
22:11:53:  Peakmatching stopped
```

Signature LKn 10-3-19

Reports

```
22:12:44:  Peak matching procedure started
22:12:44:
22:12:45:  Reference mass: 413.97698
22:12:45:  Sample mass: 464.0
22:12:46:
22:12:46:  Finding reference mass
22:12:47:  Finding sample mass
22:12:48:
22:12:53:  [1]    463.9726 amu, mean: 463.9726
22:12:56:  [2]    463.9734 amu, mean: 463.9730      SD: 0.55 mmu or: 1.18 ppm
22:13:00:  [3]    463.9738 amu, mean: 463.9733      SD: 0.58 mmu or: 1.25 ppm
22:13:03:  [4]    463.9742 amu, mean: 463.9735      SD: 0.67 mmu or: 1.45 ppm
22:13:04:
22:13:04:  Stop requested. Please wait for procedure to finish.
22:13:04:
22:13:06:  [5]    463.9737 amu, mean: 463.9735      SD: 0.59 mmu or: 1.28 ppm
22:13:07:
22:13:08:  Peakmatching stopped
```

Signature Lkn 10-3-19

Reports

```
22:13:54:  Peak matching procedure started
22:13:55:
22:13:55:  Reference mass: 463.97378
22:13:56:  Sample mass: 502.0
22:13:56:
22:13:57:  Finding reference mass
22:13:58:  Finding sample mass
22:13:58:
22:14:04:  [1]    501.9703 amu, mean: 501.9703
22:14:07:  [2]    501.9711 amu, mean: 501.9707     SD: 0.57 mmu or: 1.13 ppm
22:14:10:  [3]    501.9711 amu, mean: 501.9708     SD: 0.44 mmu or: 0.88 ppm
22:14:14:  [4]    501.9712 amu, mean: 501.9709     SD: 0.41 mmu or: 0.81 ppm
22:14:14:
22:14:14:  Stop requested. Please wait for procedure to finish.
22:14:14:
22:14:17:
22:14:17:  Peakmatching stopped
```

Signature LK 10-3-19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

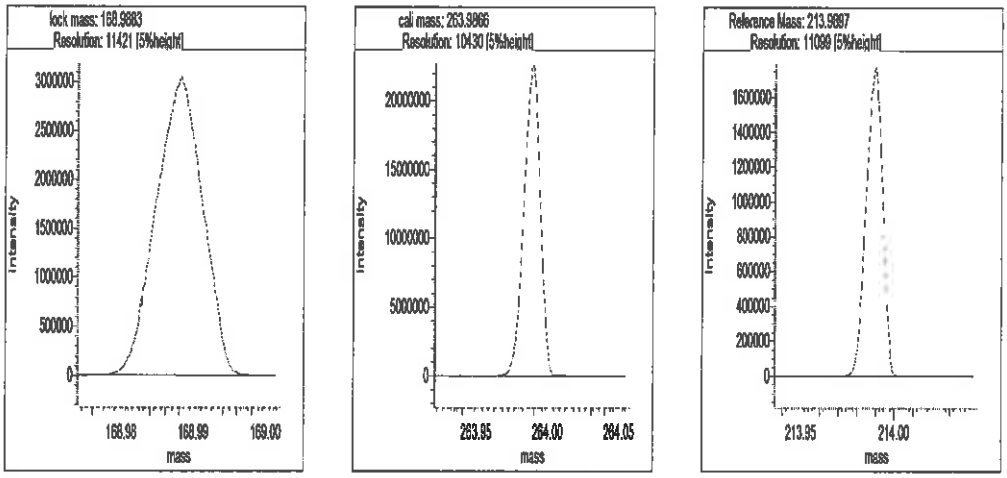
| | |
|---|---|
| Date: | 04 Oct 2019 08:42 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

## Segment 1

Lock mass 168.9883 [m/z] Resolution: 11421 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10430 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 11099 [5%height]




## Segment 2

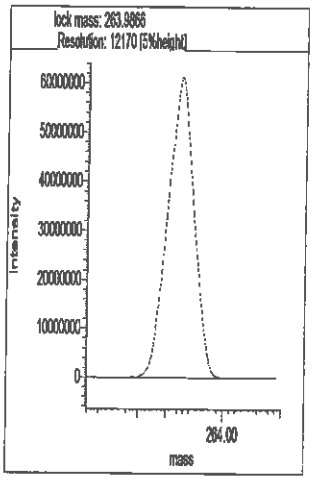
Lock mass 263.9866 [m/z] Resolution: 12170 [5%height]

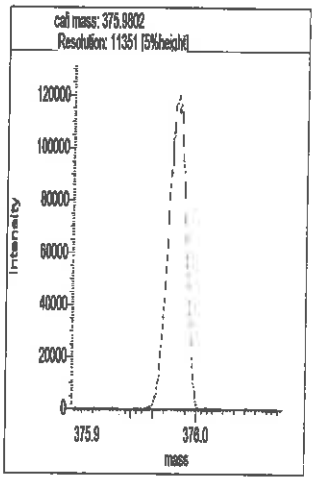
Cali. mass 375.9802 [m/z] Resolution: 11351 [5%height]

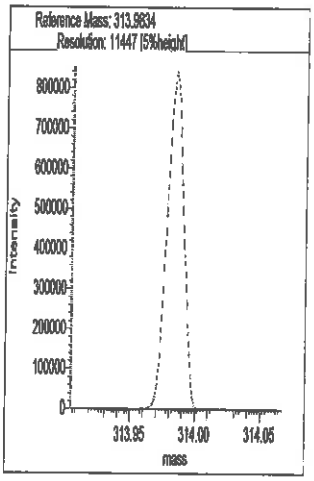
Ref. mass 313.9834 [m/z] Resolution: 11447 [5%height]

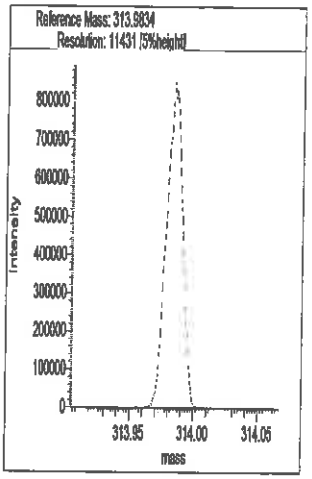
Ref. mass 313.9834 [m/z] Resolution: 11431 [5%height]

_191004s1a



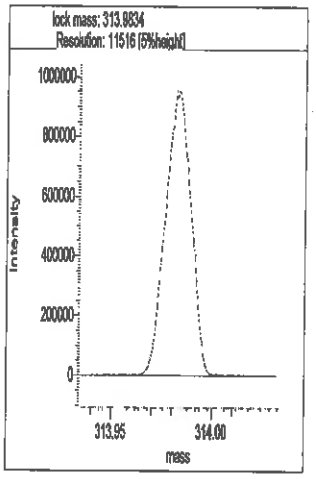



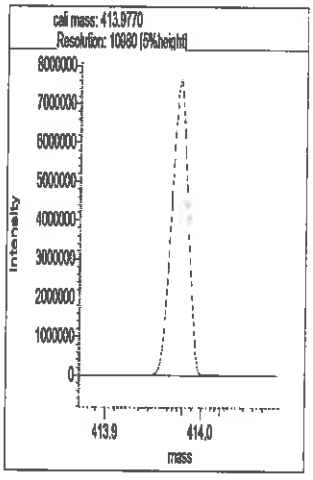

Segment 3

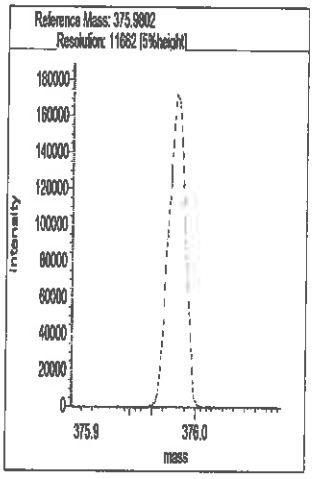
Lock mass 313.9834 [m/z] Resolution: 11516 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 10980 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 11662 [5%height]



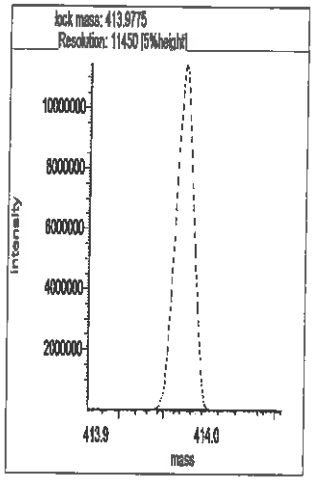



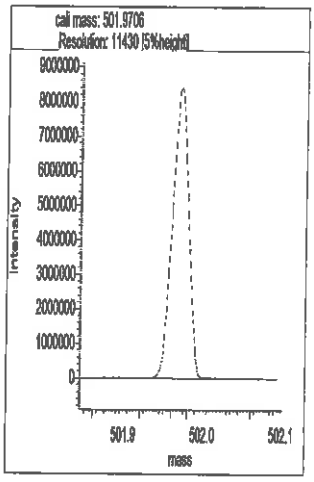

Segment 4

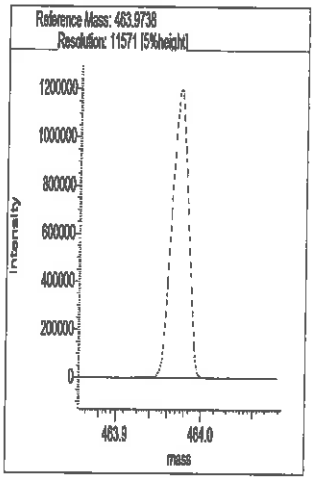
Lock mass 413.9775 [m/z] Resolution: 11450 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 11430 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 11571 [5%height]


lock mass: 413.9775
Resolution: 11450 [5%height]
Intensity
10000000
8000000
6000000
4000000
2000000
413.9
414.0
mass


cali mass: 501.9706
Resolution: 11430 [5%height]
Intensity
9000000
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 11571 [5%height]
Intensity
1200000
1000000
800000
600000
400000
200000
0
463.9
464.0
mass

```
Reports
08:51:51:  Peak matching procedure started
08:51:52:
08:51:52:  Reference mass: 168.98827
08:51:53:  Sample mass: 214.0
08:51:53:
08:51:54:  Finding reference mass
08:51:55:  Finding sample mass
08:51:55:
08:52:01:  [1]    213.9889 amu, mean: 213.9889
08:52:04:  [2]    213.9885 amu, mean: 213.9887     SD: 0.22 mmu or: 1.05 ppm
08:52:07:  [3]    213.9889 amu, mean: 213.9888     SD: 0.19 mmu or: 0.90 ppm
08:52:10:  [4]    213.9891 amu, mean: 213.9889     SD: 0.25 mmu or: 1.15 ppm
08:52:11:
08:52:11:  Stop requested. Please wait for procedure to finish.
08:52:11:
08:52:14:
08:52:14:  Peakmatching stopped
```

Signature 10-4-19

```
Reports
08:52:30:  Peak matching procedure started
08:52:31:
08:52:31:  Reference mass: 213.98975
08:52:32:  Sample mass: 264.0
08:52:32:
08:52:33:  Finding reference mass
08:52:34:  Finding sample mass
08:52:34:
08:52:40:  [1]    263.9862 amu, mean: 263.9862
08:52:43:  [2]    263.9867 amu, mean: 263.9865     SD: 0.32 mmu or: 1.20 ppm
08:52:46:  [3]    263.9867 amu, mean: 263.9865     SD: 0.25 mmu or: 0.96 ppm
08:52:49:  [4]    263.9864 amu, mean: 263.9865     SD: 0.23 mmu or: 0.86 ppm
08:52:50:
08:52:50:  Stop requested. Please wait for procedure to finish.
08:52:50:
08:52:52:
08:52:53:  Peakmatching stopped
```

Signature RM 10-4-19

```
Reports
08:53:18:  Peak matching procedure started
08:53:18:
08:53:19:  Reference mass: 263.98656
08:53:19:  Sample mass: 314.0
08:53:20:
08:53:20:  Finding reference mass
08:53:21:  Finding sample mass
08:53:22:
08:53:27:  [1]    313.9829 amu, mean: 313.9829
08:53:30:  [2]    313.9828 amu, mean: 313.9828     SD: 0.07 mmu or: 0.23 ppm
08:53:33:  [3]    313.9830 amu, mean: 313.9829     SD: 0.12 mmu or: 0.37 ppm
08:53:37:  [4]    313.9830 amu, mean: 313.9829     SD: 0.12 mmu or: 0.38 ppm
08:53:38:
08:53:38:  Stop requested. Please wait for procedure to finish.
08:53:38:
08:53:40:  [5]    313.9826 amu, mean: 313.9828     SD: 0.18 mmu or: 0.57 ppm
08:53:41:
08:53:42:  Peakmatching stopped
```

Signature CAM 10-4-19

Reports

```
08:54:11:  Peak matching procedure started
08:54:11:
08:54:12:  Reference mass: 313.98336
08:54:12:  Sample mass: 376.0
08:54:13:
08:54:13:  Finding reference mass
08:54:14:  Finding sample mass
08:54:15:
08:54:20:  [1]    375.9797 amu, mean: 375.9797
08:54:23:  [2]    375.9790 amu, mean: 375.9793     SD: 0.45 mmu or: 1.21 ppm
08:54:27:  [3]    375.9790 amu, mean: 375.9792     SD: 0.39 mmu or: 1.02 ppm
08:54:30:  [4]    375.9786 amu, mean: 375.9791     SD: 0.45 mmu or: 1.19 ppm
08:54:30:
08:54:30:  Stop requested. Please wait for procedure to finish.
08:54:30:
08:54:33:
08:54:33:  Peakmatching stopped
```

Signature KM 10-4-19

Reports

```
08:54:11:  Peak matching procedure started
08:54:11:
08:54:12:  Reference mass: 313.98336
08:54:12:  Sample mass: 376.0
08:54:13:
08:54:13:  Finding reference mass
08:54:14:  Finding sample mass
08:54:15:
08:54:20:  [1]    375.9797 amu, mean: 375.9797
08:54:23:  [2]    375.9790 amu, mean: 375.9793      SD: 0.45 mmu or: 1.21 ppm
08:54:27:  [3]    375.9790 amu, mean: 375.9792      SD: 0.39 mmu or: 1.02 ppm
08:54:30:  [4]    375.9786 amu, mean: 375.9791      SD: 0.45 mmu or: 1.19 ppm
08:54:30:
08:54:30:  Stop requested. Please wait for procedure to finish.
08:54:30:
08:54:33:
08:54:33:  Peakmatching stopped
```

Signature KM 10-4-19

Reports

```
08:54:55:  Peak matching procedure started
08:54:56:
08:54:56:  Reference mass: 375.98017
08:54:57:  Sample mass: 414.0
08:54:57:
08:54:58:  Finding reference mass
08:54:58:  Finding sample mass
08:54:59:
08:55:05:  [1]    413.9772 amu, mean: 413.9772
08:55:08:  [2]    413.9773 amu, mean: 413.9773      SD: 0.07 mmu or: 0.16 ppm
08:55:11:  [3]    413.9772 amu, mean: 413.9773      SD: 0.09 mmu or: 0.21 ppm
08:55:14:  [4]    413.9769 amu, mean: 413.9772      SD: 0.18 mmu or: 0.43 ppm
08:55:15:
08:55:15:  Stop requested. Please wait for procedure to finish.
08:55:15:
08:55:17:  [5]    413.9766 amu, mean: 413.9771      SD: 0.29 mmu or: 0.70 ppm
08:55:19:
08:55:19:  Peakmatching stopped
```

Signature bm 10-4-19

Reports

```
08:55:38:  Peak matching procedure started
08:55:38:
08:55:39:  Reference mass: 413.97698
08:55:39:  Sample mass: 464.0
08:55:40:
08:55:40:  Finding reference mass
08:55:41:  Finding sample mass
08:55:42:
08:55:48:  [1]    463.9728 amu, mean: 463.9728
08:55:51:  [2]    463.9726 amu, mean: 463.9727     SD: 0.16 mmu or: 0.35 ppm
08:55:54:  [3]    463.9722 amu, mean: 463.9725     SD: 0.31 mmu or: 0.66 ppm
08:55:57:  [4]    463.9725 amu, mean: 463.9725     SD: 0.25 mmu or: 0.54 ppm
08:55:58:
08:55:58:  Stop requested. Please wait for procedure to finish.
08:55:58:
08:56:00:
08:56:01:  Peakmatching stopped
```

Signature KM 10-4-19

Reports

```
08:56:18:  Peak matching procedure started
08:56:19:
08:56:19:  Reference mass: 463.97378
08:56:20:  Sample mass: 502.0
08:56:20:
08:56:21:  Finding reference mass
08:56:22:  Finding sample mass
08:56:22:
08:56:28:  [1]    501.9698 amu, mean: 501.9698
08:56:31:  [2]    501.9699 amu, mean: 501.9699     SD: 0.08 mmu or: 0.16 ppm
08:56:34:  [3]    501.9697 amu, mean: 501.9698     SD: 0.10 mmu or: 0.20 ppm
08:56:37:  [4]    501.9697 amu, mean: 501.9698     SD: 0.12 mmu or: 0.23 ppm
08:56:38:
08:56:38:  Stop requested. Please wait for procedure to finish.
08:56:38:
08:56:41:
08:56:41:  Peakmatching stopped
```

Signature KM 10-4-19

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 03-Oct-2019 22:32:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013295-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 23:53:22 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 03-Oct-2019 23:53:22

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 139.8 | 139.8 | 0.1172 | 0.1172 | | |
| D PCB-1L | 11:43 | 6627014 | 2.95 | 1.3140 | 90.7 | 90.7 | 0.2055 | 0.2055 | 90.67 | |
| D PCB-3L | 13:52 | 6851743 | 3.10 | 1.3615 | 90.5 | 90.5 | 0.1983 | 0.1983 | 90.47 | |
| PCB-1 | 11:43 | 3721968 | 3.07 | 1.1883 | 47.3 | 47.3 | 0.1102 | 0.1102 | 94.53 | |
| PCB-2 | 13:42 | 3735812 | 3.14 | 1.1911 | 46.5 | 46.5 | 0.1175 | 0.1175 | 93.08 | |
| PCB-3 | 13:53 | 3820938 | 3.13 | 1.2130 | 46.0 | 46.0 | 0.1239 | 0.1239 | 91.95 | |
| S Total Dichlorobiphenyls | | | | | 543.0 | 543.0 | 0.0220 | 0.0220 | | |
| D PCB-4L | 14:07 | 3406582 | 1.59 | 0.5996 | 102.1 | 102.1 | 0.1272 | 0.1272 | 102 | |
| * PCB-9L | 16:05 | 5562379 | 1.61 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-8L | 16:55 | 2684521 | 1.61 | 1.3085 | 43.5 | 43.5 | 0.0750 | 0.0750 | 87.07 | |
| D PCB-15L | 19:58 | 6018256 | 1.65 | 1.0280 | 105.2 | 105.2 | 0.0742 | 0.0742 | 105 | |
| PCB-4 | 14:08 | 2013436 | 1.58 | 1.2533 | 47.2 | 47.2 | 0.0310 | 0.0310 | 94.32 | |
| PCB-10 | 14:19 | 3215786 | 1.59 | 1.4828 | 46.0 | 46.0 | 0.0227 | 0.0227 | 92.04 | |
| PCB-9 | 16:06 | 3055806 | 1.57 | 1.4200 | 45.7 | 45.7 | 0.0237 | 0.0237 | 91.33 | |
| PCB-7 | 16:16 | 3472407 | 1.60 | 1.6244 | 45.4 | 45.4 | 0.0207 | 0.0207 | 90.73 | |
| PCB-6 | 16:30 | 3270170 | 1.58 | 1.5539 | 44.7 | 44.7 | 0.0216 | 0.0216 | 89.32 | |
| PCB-5 | 16:49 | 3313789 | 1.60 | 1.5606 | 45.1 | 45.1 | 0.0215 | 0.0215 | 90.12 | |
| PCB-8 | 16:56 | 3435795 | 1.60 | 1.5884 | 45.9 | 45.9 | 0.0211 | 0.0211 | 91.80 | |
| PCB-14 | 18:33 | 3954038 | 1.60 | 1.8738 | 44.8 | 44.8 | 0.0179 | 0.0179 | 89.56 | |
| PCB-11 | 19:23 | 3383214 | 1.59 | 1.6347 | 43.9 | 43.9 | 0.0205 | 0.0205 | 87.84 | |
| PCB-12 | 19:42 | 6895261 | 1.58 | 1.6410 | 89.2 | 89.2 | 0.0205 | 0.0205 | 89.16 | |
| PCB-13 (C12) | 19:42 | 6895261 | 1.58 | 1.6410 | 89.2 | 89.2 | 0.0205 | 0.0205 | 89.16 | |
| PCB-15 | 20:00 | 3826341 | 1.60 | 1.4024 | 45.3 | 45.3 | 0.0211 | 0.0211 | 90.67 | |
| S Total Trichlorobiphenyl | | | | | 1082.7 | 1082.7 | 0.1573 | 0.1573 | | |
| D PCB-19L | 17:13 | 2473173 | 1.05 | 0.6095 | 101.9 | 101.9 | 0.2822 | 0.2822 | 102 | |
| * PCB-32L | 20:28 | 3981911 | 1.08 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:43 | 8296069 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:00 | 4449747 | 1.08 | 1.0975 | 48.9 | 48.9 | 0.1852 | 0.1852 | 97.74 | |
| D PCB-37L | 27:00 | 7904027 | 1.08 | 0.9024 | 105.6 | 105.6 | 0.2252 | 0.2252 | 106 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:14 | 1436549 | 1.06 | 1.3047 | 44.5 | 44.5 | 0.0239 | 0.0239 | 89.04 | |
| PCB-18 | 19:04 | 3925816 | 1.06 | 1.8188 | 87.3 | 87.3 | 0.0172 | 0.0172 | 87.28 | |
| PCB-30 (C18) | 19:04 | 3925816 | 1.06 | 1.8188 | 87.3 | 87.3 | 0.0172 | 0.0172 | 87.28 | |
| PCB-17 | 19:30 | 1686627 | 1.08 | 1.5641 | 43.6 | 43.6 | 0.0200 | 0.0200 | 87.20 | |
| PCB-27 | 19:44 | 2295731 | 1.08 | 2.1680 | 42.8 | 42.8 | 0.0144 | 0.0144 | 85.63 | |
| PCB-24 | 19:51 | 2246640 | 1.07 | 2.1018 | 43.2 | 43.2 | 0.0149 | 0.0149 | 86.44 | |
| PCB-16 | 19:58 | 1345010 | 1.07 | 1.2260 | 44.4 | 44.4 | 0.0255 | 0.0255 | 88.72 | |
| PCB-32 | 20:29 | 2494535 | 1.07 | 2.3416 | 43.1 | 43.1 | 0.0133 | 0.0133 | 86.15 | |
| PCB-34 | 21:44 | 4553061 | 1.08 | 1.2154 | 47.4 | 47.4 | 0.2497 | 0.2497 | 94.79 | |
| PCB-23 | 21:53 | 4666643 | 1.07 | 1.2675 | 46.6 | 46.6 | 0.2394 | 0.2394 | 93.16 | |
| PCB-26 | 22:12 | 9354281 | 1.07 | 1.3193 | 89.7 | 89.7 | 0.2300 | 0.2300 | 89.71 | |
| PCB-29 (C26) | 22:12 | 9354281 | 1.07 | 1.3193 | 89.7 | 89.7 | 0.2300 | 0.2300 | 89.71 | |
| PCB-25 | 22:25 | 4867851 | 1.07 | 1.3523 | 45.5 | 45.5 | 0.2244 | 0.2244 | 91.09 | |
| PCB-31 | 22:44 | 5008720 | 1.06 | 1.3809 | 45.9 | 45.9 | 0.2197 | 0.2197 | 91.78 | |
| PCB-20 | 23:03 | 9224056 | 1.07 | 1.3057 | 89.4 | 89.4 | 0.2324 | 0.2324 | 89.38 | |
| PCB-28 (C20) | 23:03 | 9224056 | 1.07 | 1.3057 | 89.4 | 89.4 | 0.2324 | 0.2324 | 89.38 | |
| PCB-21 | 23:16 | 9725919 | 1.07 | 1.3777 | 89.3 | 89.3 | 0.2203 | 0.2203 | 89.32 | |
| PCB-33 (C21) | 23:16 | 9725919 | 1.07 | 1.3777 | 89.3 | 89.3 | 0.2203 | 0.2203 | 89.32 | |
| PCB-22 | 23:39 | 4479003 | 1.07 | 1.2430 | 45.6 | 45.6 | 0.2441 | 0.2441 | 91.18 | |
| PCB-36 | 25:13 | 5039272 | 1.07 | 1.3468 | 47.3 | 47.3 | 0.2253 | 0.2253 | 94.67 | |
| PCB-39 | 25:35 | 5129579 | 1.06 | 1.3970 | 46.5 | 46.5 | 0.2172 | 0.2172 | 92.91 | |
| PCB-38 | 26:10 | 4663108 | 1.08 | 1.3177 | 44.8 | 44.8 | 0.2303 | 0.2303 | 89.55 | |
| PCB-35 | 26:37 | 4641924 | 1.07 | 1.2166 | 48.3 | 48.3 | 0.2494 | 0.2494 | 96.54 | |
| PCB-37 | 27:02 | 4843093 | 1.07 | 1.2879 | 47.6 | 47.6 | 0.2356 | 0.2356 | 95.15 | |
| S Total Tetrachlorobiphen | | | | | 1847.9 | 1847.9 | 0.2163 | 0.2163 | | |
| D PCB-54L | 20:17 | 2630348 | 0.83 | 0.6515 | 101.4 | 101.4 | 0.0582 | 0.0582 | 101 | |
| * PCB-52L | 24:50 | 4737361 | 0.82 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-79L | 32:45 | 3243033 | 0.80 | 1.1239 | 45.5 | 45.5 | 0.3166 | 0.3166 | 90.97 | |
| D PCB-81L | 33:45 | 6242431 | 0.81 | 1.2328 | 106.9 | 106.9 | 0.3398 | 0.3398 | 107 | |
| D PCB-77L | 34:18 | 6445386 | 0.80 | 1.2523 | 108.6 | 108.6 | 0.3345 | 0.3345 | 109 | |
| PCB-54 | 20:18 | 1526321 | 0.80 | 1.2558 | 46.2 | 46.2 | 0.0170 | 0.0170 | 92.41 | |
| PCB-50 | 22:28 | 5306363 | 0.79 | 0.9362 | 89.3 | 89.3 | 0.2782 | 0.2782 | 89.35 | |
| PCB-53 (C50) | 22:28 | 5306363 | 0.79 | 0.9362 | 89.3 | 89.3 | 0.2782 | 0.2782 | 89.35 | |
| PCB-45 | 23:13 | 5056907 | 0.80 | 0.8850 | 90.1 | 90.1 | 0.2943 | 0.2943 | 90.07 | Ma |
| PCB-51 (C45) | 23:13 | 5056907 | 0.80 | 0.8850 | 90.1 | 90.1 | 0.2943 | 0.2943 | 90.07 | Ma |
| PCB-46 | 23:26 | 2150270 | 0.81 | 0.7591 | 44.7 | 44.7 | 0.3431 | 0.3431 | 89.30 | |
| PCB-52 | 24:52 | 2587376 | 0.79 | 0.8992 | 45.4 | 45.4 | 0.2896 | 0.2896 | 90.71 | |
| PCB-43 | 25:00 | 5707418 | 0.79 | 0.9993 | 90.0 | 90.0 | 0.2606 | 0.2606 | 90.03 | Ma |
| PCB-73 (C43) | 25:00 | 5707418 | 0.79 | 0.9993 | 90.0 | 90.0 | 0.2606 | 0.2606 | 90.03 | Ma |
| PCB-49 | 25:19 | 6358262 | 0.79 | 1.1366 | 88.2 | 88.2 | 0.2291 | 0.2291 | 88.18 | |
| PCB-69 (C49) | 25:19 | 6358262 | 0.79 | 1.1366 | 88.2 | 88.2 | 0.2291 | 0.2291 | 88.18 | |
| PCB-48 | 25:39 | 2623623 | 0.79 | 0.9454 | 43.7 | 43.7 | 0.2755 | 0.2755 | 87.49 | |
| PCB-44 | 25:53 | 8399469 | 0.80 | 1.0323 | 128.3 | 128.3 | 0.2523 | 0.2523 | 85.51 | |
| PCB-47 (C44) | 25:53 | 8399469 | 0.80 | 1.0323 | 128.3 | 128.3 | 0.2523 | 0.2523 | 85.51 | |
| PCB-65 (C44) | 25:53 | 8399469 | 0.80 | 1.0323 | 128.3 | 128.3 | 0.2523 | 0.2523 | 85.51 | |
| PCB-59 | 26:11 | 10962444 | 0.80 | 1.3609 | 127.0 | 127.0 | 0.1914 | 0.1914 | 84.65 | |
| PCB-62 (C59) | 26:11 | 10962444 | 0.80 | 1.3609 | 127.0 | 127.0 | 0.1914 | 0.1914 | 84.65 | |
| PCB-75 (C59) | 26:11 | 10962444 | 0.80 | 1.3609 | 127.0 | 127.0 | 0.1914 | 0.1914 | 84.65 | |
| PCB-42 | 26:24 | 2461836 | 0.79 | 0.8670 | 44.8 | 44.8 | 0.3004 | 0.3004 | 89.51 | |
| PCB-40 | 26:53 | 7628819 | 0.79 | 0.9179 | 131.0 | 131.0 | 0.2837 | 0.2837 | 87.34 | Ma |
| PCB-41 (C40) | 26:53 | 7628819 | 0.79 | 0.9179 | 131.0 | 131.0 | 0.2837 | 0.2837 | 87.34 | Ma |
| PCB-71 (C40) | 26:53 | 7628819 | 0.79 | 0.9179 | 131.0 | 131.0 | 0.2837 | 0.2837 | 87.34 | Ma |
| PCB-64 | 27:06 | 3892278 | 0.80 | 1.4164 | 43.3 | 43.3 | 0.1839 | 0.1839 | 86.64 | |
| PCB-72 | 27:56 | 3738909 | 0.79 | 1.3157 | 44.8 | 44.8 | 0.1979 | 0.1979 | 89.59 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:13 | 4080640 | 0.79 | 1.4782 | 43.5 | 43.5 | 0.1762 | 0.1762 | 87.03 | |
| PCB-57 | 28:38 | 3595453 | 0.80 | 1.2817 | 44.2 | 44.2 | 0.2032 | 0.2032 | 88.44 | |
| PCB-58 | 28:52 | 3692754 | 0.79 | 1.3214 | 44.1 | 44.1 | 0.1971 | 0.1971 | 88.11 | |
| PCB-67 | 29:02 | 3927550 | 0.79 | 1.3944 | 44.4 | 44.4 | 0.1868 | 0.1868 | 88.80 | |
| PCB-63 | 29:18 | 4042132 | 0.79 | 1.4685 | 43.4 | 43.4 | 0.1774 | 0.1774 | 86.78 | |
| PCB-61 | 29:38 | 14865151 | 0.79 | 1.3565 | 172.7 | 172.7 | 0.1920 | 0.1920 | 86.37 | |
| PCB-70 (C61) | 29:38 | 14865151 | 0.79 | 1.3565 | 172.7 | 172.7 | 0.1920 | 0.1920 | 86.37 | |
| PCB-74 (C61) | 29:38 | 14865151 | 0.79 | 1.3565 | 172.7 | 172.7 | 0.1920 | 0.1920 | 86.37 | |
| PCB-76 (C61) | 29:38 | 14865151 | 0.79 | 1.3565 | 172.7 | 172.7 | 0.1920 | 0.1920 | 86.37 | |
| PCB-66 | 29:58 | 3600850 | 0.81 | 1.2800 | 44.3 | 44.3 | 0.2035 | 0.2035 | 88.69 | |
| PCB-55 | 30:08 | 3627268 | 0.80 | 1.2951 | 44.1 | 44.1 | 0.2011 | 0.2011 | 88.30 | |
| PCB-56 | 30:38 | 3474871 | 0.79 | 1.2671 | 43.2 | 43.2 | 0.2055 | 0.2055 | 86.46 | |
| PCB-60 | 30:51 | 3630230 | 0.79 | 1.3288 | 43.1 | 43.1 | 0.1960 | 0.1960 | 86.13 | |
| PCB-80 | 31:16 | 4131547 | 0.81 | 1.4694 | 44.3 | 44.3 | 0.1772 | 0.1772 | 88.64 | |
| PCB-79 | 32:47 | 4362261 | 0.80 | 1.5421 | 44.6 | 44.6 | 0.1689 | 0.1689 | 89.18 | |
| PCB-78 | 33:20 | 3621148 | 0.80 | 1.3150 | 43.4 | 43.4 | 0.1981 | 0.1981 | 86.82 | |
| PCB-81 | 33:46 | 3807507 | 0.80 | 1.3214 | 46.2 | 46.2 | 0.1965 | 0.1965 | 92.32 | |
| PCB-77 | 34:20 | 3912979 | 0.79 | 1.3308 | 45.6 | 45.6 | 0.1963 | 0.1963 | 91.24 | |
| S Total Pentachlorobiphen | | | | | 2115.2 | 2115.2 | 0.1295 | 0.1295 | | |
| D PCB-104L | 25:48 | 4744969 | 1.60 | 1.1164 | 109.0 | 109.0 | 0.0167 | 0.0167 | 109 | |
| $ PCB-95L | 28:45 | 1729332 | 1.56 | 0.7770 | 46.9 | 46.9 | 0.0186 | 0.0186 | 93.81 | |
| * PCB-101L | 31:41 | 3898583 | 1.57 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:22 | 2530160 | 1.57 | 1.2177 | 53.3 | 53.3 | 0.0153 | 0.0153 | 107 | |
| D PCB-123L | 36:20 | 5968642 | 1.59 | 0.9909 | 96.3 | 96.3 | 0.8639 | 0.8639 | 96.31 | |
| D PCB-118L | 36:40 | 6278691 | 1.57 | 1.0256 | 97.9 | 97.9 | 0.8348 | 0.8348 | 97.89 | |
| D PCB-114L | 37:11 | 6141972 | 1.60 | 1.0030 | 97.9 | 97.9 | 0.8535 | 0.8535 | 97.91 | |
| D PCB-105L | 37:50 | 6038347 | 1.60 | 1.0013 | 96.4 | 96.4 | 0.8550 | 0.8550 | 96.43 | |
| * PCB-127L | 39:18 | 6254102 | 1.60 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 40:55 | 6070705 | 1.61 | 0.9020 | 107.6 | 107.6 | 0.9491 | 0.9491 | 108 | |
| PCB-104 | 25:49 | 3047591 | 1.61 | 1.3926 | 46.1 | 46.1 | 0.0157 | 0.0157 | 92.24 | |
| PCB-96 | 26:11 | 2667581 | 1.61 | 1.2268 | 45.8 | 45.8 | 0.0179 | 0.0179 | 91.65 | |
| PCB-103 | 28:07 | 2292084 | 1.58 | 1.0331 | 46.8 | 46.8 | 0.0212 | 0.0212 | 93.52 | |
| PCB-94 | 28:20 | 1981006 | 1.60 | 0.9036 | 46.2 | 46.2 | 0.0242 | 0.0242 | 92.41 | |
| PCB-95 | 28:46 | 2128995 | 1.59 | 0.9620 | 46.6 | 46.6 | 0.0228 | 0.0228 | 93.28 | |
| PCB-93 | 29:00 | 4264282 | 1.57 | 0.9806 | 91.6 | 91.6 | 0.0223 | 0.0223 | 91.64 | |
| PCB-100 (C93) | 29:00 | 4264282 | 1.57 | 0.9806 | 91.6 | 91.6 | 0.0223 | 0.0223 | 91.64 | |
| PCB-98 | 29:08 | 4305999 | 1.60 | 0.9888 | 91.8 | 91.8 | 0.0222 | 0.0222 | 91.78 | Ma |
| PCB-102 (C98) | 29:08 | 4305999 | 1.60 | 0.9888 | 91.8 | 91.8 | 0.0222 | 0.0222 | 91.78 | Ma |
| PCB-88 | 29:38 | 4361753 | 1.60 | 1.0052 | 91.4 | 91.4 | 0.0218 | 0.0218 | 91.45 | Ma |
| PCB-91 (C88) | 29:38 | 4361753 | 1.60 | 1.0052 | 91.4 | 91.4 | 0.0218 | 0.0218 | 91.45 | Ma |
| PCB-84 | 29:51 | 1862497 | 1.61 | 0.8601 | 45.6 | 45.6 | 0.0255 | 0.0255 | 91.27 | |
| PCB-89 | 30:20 | 1989933 | 1.60 | 0.8936 | 46.9 | 46.9 | 0.0245 | 0.0245 | 93.87 | |
| PCB-121 | 30:45 | 3013931 | 1.59 | 1.3971 | 45.5 | 45.5 | 0.0157 | 0.0157 | 90.93 | M |
| PCB-92 | 31:08 | 2085380 | 1.56 | 0.9532 | 46.1 | 46.1 | 0.0230 | 0.0230 | 92.21 | Ma |
| PCB-90 | 31:42 | 7376248 | 1.56 | 1.1367 | 136.8 | 136.8 | 0.0193 | 0.0193 | 91.17 | |
| PCB-101 (C90) | 31:42 | 7376248 | 1.56 | 1.1367 | 136.8 | 136.8 | 0.0193 | 0.0193 | 91.17 | |
| PCB-113 (C90) | 31:42 | 7376248 | 1.56 | 1.1367 | 136.8 | 136.8 | 0.0193 | 0.0193 | 91.17 | |
| PCB-83 | 32:18 | 4165808 | 1.57 | 0.9393 | 93.5 | 93.5 | 0.0233 | 0.0233 | 93.47 | Ma |
| PCB-99 (C83) | 32:18 | 4165808 | 1.57 | 0.9393 | 93.5 | 93.5 | 0.0233 | 0.0233 | 93.47 | Ma |
| PCB-112 | 32:25 | 3022484 | 1.62 | 1.3672 | 46.6 | 46.6 | 0.0160 | 0.0160 | 93.18 | |
| PCB-86 | 32:47 | 15088007 | 1.58 | 1.1958 | 265.9 | 265.9 | 0.0183 | 0.0183 | 88.64 | Ma |
| PCB-87 (C86) | 32:47 | 15088007 | 1.58 | 1.1958 | 265.9 | 265.9 | 0.0183 | 0.0183 | 88.64 | Ma |
| PCB-97 (C86) | 32:47 | 15088007 | 1.58 | 1.1958 | 265.9 | 265.9 | 0.0183 | 0.0183 | 88.64 | Ma |
| PCB-109 (C86) | 32:47 | 15088007 | 1.58 | 1.1958 | 265.9 | 265.9 | 0.0183 | 0.0183 | 88.64 | Ma |
| PCB-119 (C86) | 32:47 | 15088007 | 1.58 | 1.1958 | 265.9 | 265.9 | 0.0183 | 0.0183 | 88.64 | Ma |
| PCB-125 (C86) | 32:47 | 15088007 | 1.58 | 1.1958 | 265.9 | 265.9 | 0.0183 | 0.0183 | 88.64 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:31 | 7902181 | 1.58 | 1.2126 | 137.3 | 137.3 | 0.0181 | 0.0181 | 91.56 | |
| PCB-116 (C85) | 33:31 | 7902181 | 1.58 | 1.2126 | 137.3 | 137.3 | 0.0181 | 0.0181 | 91.56 | |
| PCB-117 (C85) | 33:31 | 7902181 | 1.58 | 1.2126 | 137.3 | 137.3 | 0.0181 | 0.0181 | 91.56 | |
| PCB-110 | 33:46 | 5947696 | 1.60 | 1.3511 | 92.8 | 92.8 | 0.0162 | 0.0162 | 92.77 | |
| PCB-115 (C110) | 33:46 | 5947696 | 1.60 | 1.3511 | 92.8 | 92.8 | 0.0162 | 0.0162 | 92.77 | |
| PCB-82 | 34:00 | 1954544 | 1.61 | 0.8675 | 47.5 | 47.5 | 0.0252 | 0.0252 | 94.97 | |
| PCB-111 | 34:24 | 3176138 | 1.58 | 1.4262 | 46.9 | 46.9 | 0.0154 | 0.0154 | 93.87 | |
| PCB-120 | 34:51 | 3252677 | 1.60 | 1.4907 | 46.0 | 46.0 | 0.0147 | 0.0147 | 91.97 | |
| PCB-108 | 36:00 | 6977381 | 1.57 | 1.2547 | 91.2 | 91.2 | 0.3710 | 0.3710 | 91.17 | |
| PCB-124 (C108) | 36:00 | 6977381 | 1.57 | 1.2547 | 91.2 | 91.2 | 0.3710 | 0.3710 | 91.17 | |
| PCB-107 | 36:15 | 3852910 | 1.59 | 1.3580 | 46.5 | 46.5 | 0.3428 | 0.3428 | 93.03 | |
| PCB-123 | 36:22 | 3795686 | 1.59 | 1.3407 | 47.4 | 47.4 | 0.3478 | 0.3478 | 94.87 | |
| PCB-106 | 36:28 | 3535198 | 1.59 | 1.2749 | 45.5 | 45.5 | 0.3651 | 0.3651 | 90.92 | |
| PCB-118 | 36:40 | 3853699 | 1.58 | 1.2892 | 47.6 | 47.6 | 0.3516 | 0.3516 | 95.22 | |
| PCB-122 | 37:02 | 3283827 | 1.58 | 1.1614 | 46.4 | 46.4 | 0.4008 | 0.4008 | 92.71 | |
| PCB-114 | 37:13 | 3921751 | 1.59 | 1.4051 | 45.4 | 45.4 | 0.3225 | 0.3225 | 90.89 | |
| PCB-105 | 37:51 | 3628730 | 1.61 | 1.2887 | 46.6 | 46.6 | 0.3666 | 0.3666 | 93.26 | |
| PCB-127 | 39:20 | 3777626 | 1.59 | 1.2841 | 48.2 | 48.2 | 0.3625 | 0.3625 | 96.46 | |
| PCB-126 | 40:56 | 3794641 | 1.60 | 1.3416 | 46.6 | 46.6 | 0.3606 | 0.3606 | 93.18 | |
| S Total Hexachlorobipheny | | | | | 1838.3 | 1838.3 | 0.1068 | 0.1068 | | |
| D PCB-155L | 31:28 | 4612281 | 1.25 | 0.9499 | 124.5 | 124.5 | 0.0190 | 0.0190 | 125 | |
| $ PCB-153L | 38:33 | 2381546 | 1.28 | 0.9597 | 42.5 | 42.5 | 0.3835 | 0.3835 | 85.00 | |
| * PCB-138L | 39:46 | 4626186 | 1.24 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:48 | 5940980 | 1.29 | 1.2544 | 102.4 | 102.4 | 0.3131 | 0.3131 | 102 | |
| D PCB-156L | 43:56 | 11574654 | 1.27 | 1.2289 | 203.6 | 203.6 | 0.3196 | 0.3196 | 102 | |
| D PCB-157L (C156L) | 43:56 | 11574654 | 1.27 | 1.2289 | 203.6 | 203.6 | 0.3196 | 0.3196 | 102 | |
| D PCB-169L | 47:11 | 5838926 | 1.25 | 1.0883 | 116.0 | 116.0 | 0.3609 | 0.3609 | 116 | |
| PCB-155 | 31:30 | 2675429 | 1.27 | 1.3028 | 44.5 | 44.5 | 0.007102 | 0.007102 | 89.05 | |
| PCB-152 | 31:41 | 2523103 | 1.27 | 1.2556 | 43.6 | 43.6 | 0.007369 | 0.007369 | 87.13 | |
| PCB-150 | 31:51 | 2539973 | 1.27 | 1.2368 | 44.5 | 44.5 | 0.007481 | 0.007481 | 89.05 | |
| PCB-136 | 32:12 | 2365495 | 1.28 | 1.1563 | 44.4 | 44.4 | 0.008002 | 0.008002 | 88.71 | |
| PCB-145 | 32:31 | 2464876 | 1.26 | 1.1910 | 44.9 | 44.9 | 0.007768 | 0.007768 | 89.74 | |
| PCB-148 | 34:02 | 1855138 | 1.25 | 0.8982 | 44.8 | 44.8 | 0.0103 | 0.0103 | 89.56 | |
| PCB-135 | 34:40 | 3586811 | 1.26 | 0.8691 | 89.5 | 89.5 | 0.0106 | 0.0106 | 89.48 | Ma |
| PCB-151 (C135) | 34:40 | 3586811 | 1.26 | 0.8691 | 89.5 | 89.5 | 0.0106 | 0.0106 | 89.48 | Ma |
| PCB-154 | 34:53 | 2085420 | 1.26 | 1.0180 | 44.4 | 44.4 | 0.009089 | 0.009089 | 88.83 | |
| PCB-144 | 35:10 | 1895812 | 1.27 | 0.9185 | 44.8 | 44.8 | 0.0101 | 0.0101 | 89.50 | |
| PCB-147 | 35:32 | 5028087 | 1.26 | 0.9747 | 88.4 | 88.4 | 0.1594 | 0.1594 | 88.36 | |
| PCB-149 (C147) | 35:32 | 5028087 | 1.26 | 0.9747 | 88.4 | 88.4 | 0.1594 | 0.1594 | 88.36 | |
| PCB-134 | 35:50 | 4274775 | 1.25 | 0.8518 | 86.0 | 86.0 | 0.1824 | 0.1824 | 85.95 | |
| PCB-143 (C134) | 35:50 | 4274775 | 1.25 | 0.8518 | 86.0 | 86.0 | 0.1824 | 0.1824 | 85.95 | |
| PCB-139 | 36:08 | 4927166 | 1.26 | 0.9995 | 84.4 | 84.4 | 0.1554 | 0.1554 | 84.43 | |
| PCB-140 (C139) | 36:08 | 4927166 | 1.26 | 0.9995 | 84.4 | 84.4 | 0.1554 | 0.1554 | 84.43 | |
| PCB-131 | 36:21 | 2138458 | 1.26 | 0.8584 | 42.7 | 42.7 | 0.1810 | 0.1810 | 85.33 | |
| PCB-142 | 36:29 | 2168660 | 1.25 | 0.8597 | 43.2 | 43.2 | 0.1807 | 0.1807 | 86.41 | |
| PCB-132 | 36:48 | 2173630 | 1.25 | 0.8801 | 42.3 | 42.3 | 0.1765 | 0.1765 | 84.60 | Ma |
| PCB-133 | 37:18 | 2298927 | 1.25 | 0.9064 | 43.4 | 43.4 | 0.1714 | 0.1714 | 86.88 | |
| PCB-165 | 37:42 | 2873330 | 1.25 | 1.1210 | 43.9 | 43.9 | 0.1386 | 0.1386 | 87.80 | |
| PCB-146 | 37:57 | 2527224 | 1.30 | 1.0084 | 42.9 | 42.9 | 0.1541 | 0.1541 | 85.85 | |
| PCB-161 | 38:05 | 3298307 | 1.20 | 1.3370 | 42.3 | 42.3 | 0.1162 | 0.1162 | 84.50 | |
| PCB-153 | 38:36 | 6105292 | 1.26 | 1.2207 | 85.7 | 85.7 | 0.1273 | 0.1273 | 85.66 | |
| PCB-168 (C153) | 38:36 | 6105292 | 1.26 | 1.2207 | 85.7 | 85.7 | 0.1273 | 0.1273 | 85.66 | |
| PCB-141 | 38:45 | 2435302 | 1.25 | 0.9608 | 43.4 | 43.4 | 0.1617 | 0.1617 | 86.83 | |
| PCB-130 | 39:10 | 2082209 | 1.25 | 0.8274 | 43.1 | 43.1 | 0.1877 | 0.1877 | 86.20 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:23 | 2715418 | 1.24 | 1.0582 | 43.9 | 43.9 | 0.1468 | 0.1468 | 87.90 | |
| PCB-164 | 39:30 | 3112052 | 1.26 | 1.2527 | 42.5 | 42.5 | 0.1240 | 0.1240 | 85.10 | |
| PCB-129 | 39:49 | 10863967 | 1.25 | 1.0840 | 171.7 | 171.7 | 0.1433 | 0.1433 | 85.83 | Ma |
| PCB-138 (C129) | 39:49 | 10863967 | 1.25 | 1.0840 | 171.7 | 171.7 | 0.1433 | 0.1433 | 85.83 | Ma |
| PCB-160 (C129) | 39:49 | 10863967 | 1.25 | 1.0840 | 171.7 | 171.7 | 0.1433 | 0.1433 | 85.83 | Ma |
| PCB-163 (C129) | 39:49 | 10863967 | 1.25 | 1.0840 | 171.7 | 171.7 | 0.1433 | 0.1433 | 85.83 | Ma |
| PCB-158 | 40:12 | 3513398 | 1.27 | 1.3862 | 43.4 | 43.4 | 0.1121 | 0.1121 | 86.82 | |
| PCB-128 | 41:03 | 5713198 | 1.22 | 1.1165 | 87.6 | 87.6 | 0.1391 | 0.1391 | 87.64 | |
| PCB-166 (C128) | 41:03 | 5713198 | 1.22 | 1.1165 | 87.6 | 87.6 | 0.1391 | 0.1391 | 87.64 | |
| PCB-159 | 42:03 | 3370642 | 1.25 | 1.3178 | 43.8 | 43.8 | 0.1179 | 0.1179 | 87.61 | |
| PCB-162 | 42:20 | 3516912 | 1.24 | 1.3623 | 44.2 | 44.2 | 0.1140 | 0.1140 | 88.43 | |
| PCB-167 | 42:49 | 3600012 | 1.25 | 1.3357 | 45.4 | 45.4 | 0.0965 | 0.0965 | 90.74 | |
| PCB-156 | 43:58 | 6807269 | 1.25 | 1.2759 | 92.2 | 92.2 | 0.1480 | 0.1480 | 92.19 | |
| PCB-157 (C156) | 43:58 | 6807269 | 1.25 | 1.2759 | 92.2 | 92.2 | 0.1480 | 0.1480 | 92.19 | |
| PCB-169 | 47:11 | 3490928 | 1.26 | 1.2825 | 46.6 | 46.6 | 0.1054 | 0.1054 | 93.23 | |
| S Total Heptachlorobiphen | | | | | 1157.4 | 1157.4 | 0.008760 | 0.008760 | | |
| D PCB-188L | 37:12 | 5279463 | 1.07 | 1.3162 | 98.0 | 98.0 | 0.0516 | 0.0516 | 97.97 | |
| $ PCB-178L | 40:15 | 1962777 | 1.08 | 0.9222 | 52.0 | 52.0 | 0.0737 | 0.0737 | 104 | |
| * PCB-180L | 45:21 | 4094388 | 1.05 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:35 | 3239617 | 1.06 | 0.8357 | 94.7 | 94.7 | 0.0813 | 0.0813 | 94.68 | |
| D PCB-189L | 49:42 | 7018214 | 1.06 | 1.4666 | 100.8 | 100.8 | 0.3966 | 0.3966 | 101 | |
| PCB-188 | 37:13 | 3062022 | 1.06 | 1.2502 | 46.4 | 46.4 | 0.004109 | 0.004109 | 92.78 | |
| PCB-179 | 37:33 | 2840972 | 1.06 | 1.4149 | 47.1 | 47.1 | 0.004557 | 0.004557 | 94.28 | |
| PCB-184 | 38:05 | 2795191 | 1.04 | 1.4191 | 46.2 | 46.2 | 0.004543 | 0.004543 | 92.48 | |
| PCB-176 | 38:26 | 3069121 | 1.06 | 1.5212 | 47.4 | 47.4 | 0.004238 | 0.004238 | 94.73 | |
| PCB-186 | 38:53 | 2894696 | 1.05 | 1.4350 | 47.4 | 47.4 | 0.004493 | 0.004493 | 94.72 | |
| PCB-178 | 40:16 | 2081252 | 1.06 | 1.0228 | 47.8 | 47.8 | 0.006303 | 0.006303 | 95.54 | |
| PCB-175 | 40:54 | 2148829 | 1.05 | 1.0690 | 47.2 | 47.2 | 0.006031 | 0.006031 | 94.38 | |
| PCB-187 | 41:10 | 2276074 | 1.04 | 1.1106 | 48.1 | 48.1 | 0.005805 | 0.005805 | 96.23 | |
| PCB-182 | 41:23 | 2338865 | 1.06 | 1.1484 | 47.8 | 47.8 | 0.005614 | 0.005614 | 95.63 | |
| PCB-183 | 41:47 | 4563472 | 1.05 | 1.1368 | 94.2 | 94.2 | 0.005671 | 0.005671 | 94.24 | Ma |
| PCB-185 (C183) | 41:47 | 4563472 | 1.05 | 1.1368 | 94.2 | 94.2 | 0.005671 | 0.005671 | 94.24 | Ma |
| PCB-174 | 42:01 | 1991697 | 1.06 | 0.9547 | 49.0 | 49.0 | 0.006753 | 0.006753 | 97.95 | |
| PCB-177 | 42:27 | 1927265 | 1.05 | 0.9426 | 48.0 | 48.0 | 0.006840 | 0.006840 | 96.01 | |
| PCB-181 | 42:51 | 2269427 | 1.05 | 1.1075 | 48.1 | 48.1 | 0.005821 | 0.005821 | 96.22 | |
| PCB-171 | 43:04 | 3961600 | 1.05 | 0.9603 | 96.8 | 96.8 | 0.006713 | 0.006713 | 96.85 | |
| PCB-173 (C171) | 43:04 | 3961600 | 1.05 | 0.9603 | 96.8 | 96.8 | 0.006713 | 0.006713 | 96.85 | |
| PCB-172 | 44:43 | 2046409 | 1.03 | 0.9918 | 48.4 | 48.4 | 0.006500 | 0.006500 | 96.88 | |
| PCB-192 | 44:59 | 2744704 | 1.06 | 1.2904 | 49.9 | 49.9 | 0.004996 | 0.004996 | 99.87 | |
| PCB-180 | 45:19 | 5177211 | 1.05 | 1.2286 | 98.9 | 98.9 | 0.005247 | 0.005247 | 98.93 | |
| PCB-193 (C180) | 45:19 | 5177211 | 1.05 | 1.2286 | 98.9 | 98.9 | 0.005247 | 0.005247 | 98.93 | |
| PCB-191 | 45:43 | 2951190 | 1.05 | 1.3848 | 50.0 | 50.0 | 0.004655 | 0.004655 | 100 | |
| PCB-170 | 46:37 | 2081745 | 1.05 | 1.2700 | 50.6 | 50.6 | 0.006814 | 0.006814 | 101 | |
| PCB-190 | 47:08 | 2895511 | 1.03 | 1.3774 | 49.4 | 49.4 | 0.004681 | 0.004681 | 98.70 | |
| PCB-189 | 49:44 | 4364629 | 1.06 | 1.2799 | 48.6 | 48.6 | 0.0736 | 0.0736 | 97.18 | |
| S Total Octachlorobipheny | | | | | 558.6 | 558.6 | 0.1590 | 0.1590 | | |
| D PCB-202L | 42:34 | 4442749 | 0.91 | 1.0055 | 107.9 | 107.9 | 0.0387 | 0.0387 | 108 | |
| * PCB-194L | 51:49 | 4746054 | 0.91 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:17 | 5845716 | 0.90 | 1.2867 | 95.7 | 95.7 | 0.3649 | 0.3649 | 95.72 | |
| PCB-202 | 42:35 | 2156963 | 0.93 | 1.0531 | 46.1 | 46.1 | 0.0121 | 0.0121 | 92.21 | |
| PCB-201 | 43:31 | 2402757 | 0.90 | 1.1860 | 45.6 | 45.6 | 0.0107 | 0.0107 | 91.20 | |
| PCB-204 | 44:12 | 2284922 | 0.91 | 1.1009 | 46.7 | 46.7 | 0.0116 | 0.0116 | 93.44 | |
| PCB-197 | 44:25 | 2488627 | 0.91 | 1.2053 | 46.5 | 46.5 | 0.0106 | 0.0106 | 92.95 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:31 | 2290341 | 0.91 | 1.1260 | 45.8 | 45.8 | 0.0113 | 0.0113 | 91.56 | |
| PCB-198 | 47:18 | 3390475 | 0.90 | 0.8183 | 93.3 | 93.3 | 0.0156 | 0.0156 | 93.26 | |
| PCB-199 (C198) | 47:18 | 3390475 | 0.90 | 0.8183 | 93.3 | 93.3 | 0.0156 | 0.0156 | 93.26 | |
| PCB-196 | 47:59 | 1788623 | 0.91 | 0.8748 | 46.0 | 46.0 | 0.0146 | 0.0146 | 92.04 | |
| PCB-203 | 48:11 | 1904209 | 0.90 | 0.9219 | 46.5 | 46.5 | 0.0138 | 0.0138 | 92.98 | |
| PCB-195 | 49:29 | 2243608 | 0.89 | 0.7839 | 49.0 | 49.0 | 0.6651 | 0.6651 | 97.92 | |
| PCB-194 | 51:51 | 2538752 | 0.90 | 0.9282 | 46.8 | 46.8 | 0.5617 | 0.5617 | 93.58 | |
| PCB-205 | 52:19 | 3348532 | 0.91 | 1.2342 | 46.4 | 46.4 | 0.4224 | 0.4224 | 92.82 | |
| S Total Nonachlorobipheny | | | | | 138.0 | 138.0 | 0.4615 | 0.4615 | | |
| D PCB-208L | 49:15 | 5256560 | 0.80 | 1.1383 | 97.3 | 97.3 | 0.1650 | 0.1650 | 97.30 | |
| D PCB-206L | 54:04 | 4032309 | 0.80 | 0.8938 | 95.1 | 95.1 | 0.2102 | 0.2102 | 95.05 | |
| PCB-208 | 49:16 | 2818954 | 0.78 | 1.1567 | 46.4 | 46.4 | 0.4250 | 0.4250 | 92.72 | |
| PCB-207 | 50:12 | 2971886 | 0.79 | 1.3964 | 45.8 | 45.8 | 0.4042 | 0.4042 | 91.65 | |
| PCB-206 | 54:04 | 2203974 | 0.78 | 1.1927 | 45.8 | 45.8 | 0.5554 | 0.5554 | 91.65 | |
| D PCB-209L | 55:42 | 4447751 | 0.70 | 0.9809 | 95.5 | 95.5 | 0.0475 | 0.0475 | 95.54 | |
| DCB Decachlorobiphenyl | 55:43 | 2604421 | 0.70 | 1.2455 | 47.0 | 47.0 | 0.0189 | 0.0189 | 94.03 | |
| S Polychlorinated bipheny | | | | | 9328.2 | 9328.2 | 0.1422 | 0.1422 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 03-Oct-2019 22:32:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013295-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 23:53:22 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 03-Oct-2019 23:53:22

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:43 | 11:43 | -2 | 0.728 | 4948135 | 2023261 | 1102 | 2755 | 1836 | | |
| 202.0766 | 11:43 | 11:43 | -2 | 0.728 | 1678879 | 666403 | 718 | 1795 | 928 | 2.95(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:52 | 13:52 | -2 | 0.862 | 5181045 | 1766263 | 1102 | 2755 | 1603 | | |
| 202.0766 | 13:52 | 13:52 | -2 | 0.862 | 1670698 | 577627 | 718 | 1795 | 804 | 3.10(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:43 | 11:43 | 0 | 1.001 | 2808162 | 1122106 | 1025 | 2562 | 1095 | | |
| 190.0363 | 11:43 | 11:43 | 0 | 1.001 | 913806 | 364736 | 384 | 960 | 950 | 3.07(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:42 | 13:42 | 0 | 0.988 | 2833004 | 939874 | 1025 | 2562 | 917 | | |
| 190.0363 | 13:42 | 13:42 | 0 | 0.988 | 902808 | 304701 | 384 | 960 | 793 | 3.14(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:53 | 13:53 | 0 | 1.001 | 2895325 | 966869 | 1025 | 2562 | 943 | | |
| 190.0363 | 13:53 | 13:53 | 0 | 1.001 | 925613 | 309760 | 384 | 960 | 807 | 3.13(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:07 | 14:07 | -3 | 0.878 | 2089460 | 694062 | 415 | 1037 | 1672 | | |
| 236.0376 | 14:07 | 14:07 | -3 | 0.878 | 1317122 | 438868 | 99 | 247 | 4433 | 1.59(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:05 | 16:05 | 0 | | 3429578 | 1035891 | 415 | 1037 | 2496 | | |
| 236.0376 | 16:05 | 16:05 | 0 | | 2132801 | 648962 | 99 | 247 | 6555 | 1.61(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 16:55 | 16:55 | 0 | 1.198 | 1657185 | 491425 | 415 | 1037 | 1184 | | |
| 236.0376 | 16:55 | 16:55 | 0 | 1.198 | 1027336 | 303592 | 99 | 247 | 3067 | 1.61(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 19:58 | 19:58 | -2 | 1.242 | 3748049 | 914751 | 415 | 1037 | 2204 | | |
| 236.0376 | 19:59 | 19:58 | -2 | 1.243 | 2270207 | 572429 | 99 | 247 | 5782 | 1.65(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:08 | 14:08 | 0 | 1.001 | 1233236 | 402115 | 92 | 230 | 4371 | | |
| 223.9974 | 14:08 | 14:08 | 0 | 1.001 | 780200 | 256420 | 84 | 210 | 3053 | 1.58(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:19 | 14:19 | 0 | 1.014 | 1974681 | 630857 | 92 | 230 | 6857 | | |
| 223.9974 | 14:18 | 14:19 | -1 | 1.013 | 1241105 | 394496 | 84 | 210 | 4696 | 1.59(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:06 | 16:06 | 0 | 1.140 | 1867830 | 561252 | 92 | 230 | 6101 | | |
| 223.9974 | 16:06 | 16:06 | 0 | 1.140 | 1187976 | 360261 | 84 | 210 | 4289 | 1.57(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:16 | 16:16 | 0 | 1.152 | 2138976 | 641656 | 92 | 230 | 6975 | | |
| 223.9974 | 16:16 | 16:16 | 0 | 1.152 | 1333431 | 402284 | 84 | 210 | 4789 | 1.60(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:30 | 16:30 | 0 | 1.169 | 2005103 | 584990 | 92 | 230 | 6359 | | |
| 223.9974 | 16:30 | 16:30 | 0 | 1.169 | 1265067 | 368528 | 84 | 210 | 4387 | 1.58(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:49 | 16:49 | 0 | 1.191 | 2039427 | 588519 | 92 | 230 | 6397 | | |
| 223.9974 | 16:49 | 16:49 | 0 | 1.191 | 1274362 | 365543 | 84 | 210 | 4352 | 1.60(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:56 | 16:56 | 0 | 1.199 | 2114272 | 603951 | 92 | 230 | 6565 | | |
| 223.9974 | 16:56 | 16:56 | 0 | 1.199 | 1321523 | 376907 | 84 | 210 | 4487 | 1.60(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:33 | 18:33 | 0 | 0.929 | 2431697 | 665205 | 92 | 230 | 7230 | | |
| 223.9974 | 18:33 | 18:33 | 0 | 0.929 | 1522341 | 415723 | 84 | 210 | 4949 | 1.60(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:23 | 19:23 | 0 | 0.971 | 2075536 | 551927 | 92 | 230 | 5999 | | |
| 223.9974 | 19:23 | 19:23 | 0 | 0.971 | 1307678 | 347990 | 84 | 210 | 4143 | 1.59(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:42 | 19:42 | 0 | 0.986 | 4227168 | 656446 | 92 | 230 | 7135 | | |
| 223.9974 | 19:42 | 19:42 | 0 | 0.986 | 2668093 | 419583 | 84 | 210 | 4995 | 1.58(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:42 | 19:42 | 0 | 0.986 | 4227168 | 656446 | 92 | 230 | 7135 | | |
| 223.9974 | 19:42 | 19:42 | 0 | 0.986 | 2668093 | 419583 | 84 | 210 | 4995 | 1.58(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:00 | 20:00 | 0 | 1.001 | 2356907 | 563870 | 92 | 230 | 6129 | | |
| 223.9974 | 20:00 | 20:00 | 0 | 1.001 | 1469434 | 350759 | 84 | 210 | 4176 | 1.60(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:13 | 17:13 | -2 | 0.841 | 1268257 | 359221 | 335 | 837 | 1072 | | |
| 269.9986 | 17:13 | 17:13 | -2 | 0.841 | 1204916 | 345330 | 373 | 932 | 926 | 1.05(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:28 | 20:28 | 0 | | 2070241 | 533338 | 335 | 837 | 1592 | | |
| 269.9986 | 20:28 | 20:28 | 0 | | 1911670 | 495639 | 373 | 932 | 1329 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:43 | 22:43 | 0 | | 4268477 | 1048472 | 689 | 1722 | 1522 | | |
| 269.9986 | 22:43 | 22:43 | 0 | | 4027592 | 999312 | 976 | 2440 | 1024 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:00 | 23:00 | 0 | 1.013 | 2307198 | 563053 | 689 | 1722 | 817 | | |
| 269.9986 | 23:00 | 23:00 | 0 | 1.013 | 2142549 | 508426 | 976 | 2440 | 521 | 1.08(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:00 | 27:01 | -2 | 1.189 | 4098687 | 897494 | 689 | 1722 | 1303 | | |
| 269.9986 | 27:00 | 27:01 | -2 | 1.189 | 3805340 | 845905 | 976 | 2440 | 867 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:14 | 17:14 | 0 | 1.001 | 740016 | 212701 | 38 | 95 | 5597 | | |
| 257.9584 | 17:14 | 17:14 | 0 | 1.001 | 696533 | 201023 | 50 | 125 | 4020 | 1.06(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:04 | 19:04 | 0 | 1.108 | 2022827 | 439516 | 38 | 95 | 11566 | | |
| 257.9584 | 19:04 | 19:04 | 0 | 1.108 | 1902989 | 413543 | 50 | 125 | 8271 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:04 | 19:04 | 0 | 1.108 | 2022827 | 439516 | 38 | 95 | 11566 | | |
| 257.9584 | 19:04 | 19:04 | 0 | 1.108 | 1902989 | 413543 | 50 | 125 | 8271 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:30 | 19:30 | 0 | 1.133 | 876215 | 231499 | 38 | 95 | 6092 | | |
| 257.9584 | 19:30 | 19:30 | 0 | 1.133 | 810412 | 216461 | 50 | 125 | 4329 | 1.08(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:44 | 19:44 | 0 | 1.146 | 1190693 | 312876 | 38 | 95 | 8234 | | |
| 257.9584 | 19:44 | 19:44 | 0 | 1.146 | 1105038 | 290248 | 50 | 125 | 5805 | 1.08(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:51 | 19:51 | 0 | 1.153 | 1160504 | 292564 | 38 | 95 | 7699 | | |
| 257.9584 | 19:51 | 19:51 | 0 | 1.153 | 1086136 | 277558 | 50 | 125 | 5551 | 1.07(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 19:58 | 19:58 | 0 | 1.160 | 695127 | 178521 | 38 | 95 | 4698 | | |
| 257.9584 | 19:58 | 19:58 | 0 | 1.160 | 649883 | 169311 | 50 | 125 | 3386 | 1.07(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:29 | 20:29 | 0 | 1.190 | 1288421 | 326550 | 38 | 95 | 8593 | | |
| 257.9584 | 20:28 | 20:29 | -1 | 1.189 | 1206114 | 301131 | 50 | 125 | 6023 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:44 | 21:44 | 0 | 1.263 | 2365579 | 594591 | 1123 | 2807 | 529 | | |
| 257.9584 | 21:44 | 21:44 | 0 | 1.263 | 2187482 | 547178 | 993 | 2482 | 551 | 1.08(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:53 | 21:53 | 0 | 1.271 | 2416037 | 600078 | 1123 | 2807 | 534 | | |
| 257.9584 | 21:53 | 21:53 | 0 | 1.271 | 2250606 | 556212 | 993 | 2482 | 560 | 1.07(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:12 | 22:12 | 0 | 1.290 | 4835265 | 929770 | 1123 | 2807 | 828 | | |
| 257.9584 | 22:12 | 22:12 | 0 | 1.290 | 4519016 | 867174 | 993 | 2482 | 873 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:12 | 22:12 | 0 | 1.290 | 4835265 | 929770 | 1123 | 2807 | 828 | | |
| 257.9584 | 22:12 | 22:12 | 0 | 1.290 | 4519016 | 867174 | 993 | 2482 | 873 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:25 | 22:25 | 0 | 0.830 | 2519996 | 575262 | 1123 | 2807 | 512 | | |
| 257.9584 | 22:25 | 22:25 | 0 | 0.830 | 2347855 | 540119 | 993 | 2482 | 544 | 1.07(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:44 | 22:44 | 0 | 0.842 | 2582880 | 623171 | 1123 | 2807 | 555 | | |
| 257.9584 | 22:44 | 22:44 | 0 | 0.842 | 2425840 | 575296 | 993 | 2482 | 579 | 1.06(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:03 | 23:03 | 0 | 0.853 | 4770084 | 973433 | 1123 | 2807 | 867 | | |
| 257.9584 | 23:03 | 23:03 | 0 | 0.853 | 4453972 | 901352 | 993 | 2482 | 908 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:03 | 23:03 | 0 | 0.853 | 4770084 | 973433 | 1123 | 2807 | 867 | | |
| 257.9584 | 23:03 | 23:03 | 0 | 0.853 | 4453972 | 901352 | 993 | 2482 | 908 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:16 | 23:16 | 0 | 0.861 | 5027812 | 635972 | 1123 | 2807 | 566 | | |
| 257.9584 | 23:16 | 23:16 | 0 | 0.861 | 4698107 | 596359 | 993 | 2482 | 601 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:16 | 23:16 | 0 | 0.861 | 5027812 | 635972 | 1123 | 2807 | 566 | | |
| 257.9584 | 23:16 | 23:16 | 0 | 0.861 | 4698107 | 596359 | 993 | 2482 | 601 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:39 | 23:39 | 0 | 0.876 | 2313191 | 536483 | 1123 | 2807 | 478 | | |
| 257.9584 | 23:39 | 23:39 | 0 | 0.876 | 2165812 | 503083 | 993 | 2482 | 507 | 1.07(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:13 | 25:13 | 0 | 0.934 | 2602034 | 578542 | 1123 | 2807 | 515 | | |
| 257.9584 | 25:13 | 25:13 | 0 | 0.934 | 2437238 | 546546 | 993 | 2482 | 550 | 1.07(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:35 | 25:35 | 0 | 0.947 | 2644736 | 585664 | 1123 | 2807 | 522 | | |
| 257.9584 | 25:35 | 25:35 | 0 | 0.947 | 2484843 | 556420 | 993 | 2482 | 560 | 1.06(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:10 | 26:10 | 0 | 0.969 | 2418279 | 532558 | 1123 | 2807 | 474 | | |
| 257.9584 | 26:10 | 26:10 | 0 | 0.969 | 2244829 | 493206 | 993 | 2482 | 497 | 1.08(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:37 | 26:37 | 0 | 0.986 | 2399657 | 516017 | 1123 | 2807 | 459 | | |
| 257.9584 | 26:37 | 26:37 | 0 | 0.986 | 2242267 | 480881 | 993 | 2482 | 484 | 1.07(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:02 | 27:02 | 0 | 1.001 | 2504677 | 536950 | 1123 | 2807 | 478 | | |
| 257.9584 | 27:02 | 27:02 | 0 | 1.001 | 2338416 | 496279 | 993 | 2482 | 500 | 1.07(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:17 | 20:17 | -2 | 0.817 | 1194631 | 301113 | 97 | 242 | 3104 | | |
| 303.9597 | 20:17 | 20:17 | -2 | 0.817 | 1435717 | 364418 | 59 | 147 | 6177 | 0.83(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:50 | 24:50 | 0 | | 2134406 | 497502 | 738 | 1845 | 674 | | |
| 303.9597 | 24:50 | 24:50 | 0 | | 2602955 | 613684 | 1124 | 2810 | 546 | 0.82(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:45 | 32:45 | 0 | 0.971 | 1436959 | 299777 | 738 | 1845 | 406 | | |
| 303.9597 | 32:45 | 32:45 | 0 | 0.971 | 1806074 | 381754 | 1124 | 2810 | 340 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:45 | 33:44 | -2 | 1.359 | 2797322 | 592562 | 738 | 1845 | 803 | | |
| 303.9597 | 33:45 | 33:44 | -2 | 1.359 | 3445109 | 719878 | 1124 | 2810 | 640 | 0.81(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:18 | 34:17 | -2 | 1.381 | 2862963 | 579935 | 738 | 1845 | 786 | | |
| 303.9597 | 34:19 | 34:17 | -1 | 1.382 | 3582423 | 723984 | 1124 | 2810 | 644 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:18 | 20:18 | 0 | 1.000 | 679708 | 174782 | 22 | 55 | 7945 | | |
| 291.9194 | 20:18 | 20:18 | 0 | 1.000 | 846613 | 217702 | 35 | 87 | 6220 | 0.80(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:28 | 22:28 | 0 | 1.108 | 2346010 | 446190 | 730 | 1825 | 611 | | |
| 291.9194 | 22:29 | 22:28 | 1 | 1.108 | 2960353 | 552516 | 633 | 1582 | 873 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:28 | 22:28 | 0 | 1.108 | 2346010 | 446190 | 730 | 1825 | 611 | | |
| 291.9194 | 22:29 | 22:28 | 1 | 1.108 | 2960353 | 552516 | 633 | 1582 | 873 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:13 | 23:13 | 0 | 1.144 | 2244784 | 290339 | 730 | 1825 | 398 | | M |
| 291.9194 | 23:13 | 23:13 | 0 | 1.144 | 2812123 | 364591 | 633 | 1582 | 576 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:13 | 23:13 | 0 | 1.144 | 2244784 | 290339 | 730 | 1825 | 398 | | M |
| 291.9194 | 23:13 | 23:13 | 0 | 1.144 | 2812123 | 364591 | 633 | 1582 | 576 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:26 | 23:26 | 0 | 1.155 | 963008 | 230771 | 730 | 1825 | 316 | | |
| 291.9194 | 23:26 | 23:26 | 0 | 1.155 | 1187262 | 285279 | 633 | 1582 | 451 | 0.81(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:52 | 24:52 | 0 | 1.226 | 1140941 | 273885 | 730 | 1825 | 375 | | |
| 291.9194 | 24:52 | 24:52 | 0 | 1.226 | 1446435 | 349651 | 633 | 1582 | 552 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:00 | 25:00 | 0 | 1.233 | 2518938 | 352731 | 730 | 1825 | 483 | | M |
| 291.9194 | 25:00 | 25:00 | 0 | 1.233 | 3188480 | 446082 | 633 | 1582 | 705 | 0.79(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:00 | 25:00 | 0 | 1.233 | 2518938 | 352731 | 730 | 1825 | 483 | | M |
| 291.9194 | 25:00 | 25:00 | 0 | 1.233 | 3188480 | 446082 | 633 | 1582 | 705 | 0.79(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:19 | 25:19 | 0 | 1.248 | 2806065 | 442912 | 730 | 1825 | 607 | | |
| 291.9194 | 25:19 | 25:19 | 0 | 1.248 | 3552197 | 559768 | 633 | 1582 | 884 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:19 | 25:19 | 0 | 1.248 | 2806065 | 442912 | 730 | 1825 | 607 | | |
| 291.9194 | 25:19 | 25:19 | 0 | 1.248 | 3552197 | 559768 | 633 | 1582 | 884 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:39 | 25:39 | 0 | 1.264 | 1160743 | 269795 | 730 | 1825 | 370 | | |
| 291.9194 | 25:39 | 25:39 | 0 | 1.264 | 1462880 | 332467 | 633 | 1582 | 525 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:53 | 0 | 1.276 | 3721123 | 659278 | 730 | 1825 | 903 | | |
| 291.9194 | 25:53 | 25:53 | 0 | 1.276 | 4678346 | 828125 | 633 | 1582 | 1308 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:53 | 0 | 1.276 | 3721123 | 659278 | 730 | 1825 | 903 | | |
| 291.9194 | 25:53 | 25:53 | 0 | 1.276 | 4678346 | 828125 | 633 | 1582 | 1308 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:53 | 25:53 | 0 | 1.276 | 3721123 | 659278 | 730 | 1825 | 903 | | |
| 291.9194 | 25:53 | 25:53 | 0 | 1.276 | 4678346 | 828125 | 633 | 1582 | 1308 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:11 | 26:11 | 0 | 1.290 | 4855478 | 743526 | 730 | 1825 | 1019 | | |
| 291.9194 | 26:11 | 26:11 | 0 | 1.290 | 6106966 | 936205 | 633 | 1582 | 1479 | 0.80(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:11 | 26:11 | 0 | 1.290 | 4855478 | 743526 | 730 | 1825 | 1019 | | |
| 291.9194 | 26:11 | 26:11 | 0 | 1.290 | 6106966 | 936205 | 633 | 1582 | 1479 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:11 | 26:11 | 0 | 1.290 | 4855478 | 743526 | 730 | 1825 | 1019 | | |
| 291.9194 | 26:11 | 26:11 | 0 | 1.290 | 6106966 | 936205 | 633 | 1582 | 1479 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:24 | 26:24 | 0 | 1.301 | 1086778 | 242857 | 730 | 1825 | 333 | | |
| 291.9194 | 26:24 | 26:24 | 0 | 1.301 | 1375058 | 306309 | 633 | 1582 | 484 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:53 | 26:53 | 0 | 1.325 | 3367928 | 514661 | 730 | 1825 | 705 | | M |
| 291.9194 | 26:53 | 26:53 | 0 | 1.325 | 4260891 | 653602 | 633 | 1582 | 1033 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:53 | 26:53 | 0 | 1.325 | 3367928 | 514661 | 730 | 1825 | 705 | | M |
| 291.9194 | 26:53 | 26:53 | 0 | 1.325 | 4260891 | 653602 | 633 | 1582 | 1033 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:53 | 26:53 | 0 | 1.325 | 3367928 | 514661 | 730 | 1825 | 705 | | M |
| 291.9194 | 26:53 | 26:53 | 0 | 1.325 | 4260891 | 653602 | 633 | 1582 | 1033 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:06 | 27:06 | 0 | 1.335 | 1728617 | 390432 | 730 | 1825 | 535 | | |
| 291.9194 | 27:06 | 27:06 | 0 | 1.335 | 2163661 | 491424 | 633 | 1582 | 776 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:56 | 27:56 | 0 | 0.828 | 1652801 | 378581 | 730 | 1825 | 519 | | |
| 291.9194 | 27:56 | 27:56 | 0 | 0.828 | 2086108 | 480375 | 633 | 1582 | 759 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:13 | 28:13 | 0 | 0.836 | 1803062 | 377943 | 730 | 1825 | 518 | | |
| 291.9194 | 28:13 | 28:13 | 0 | 0.836 | 2277578 | 482348 | 633 | 1582 | 762 | 0.79(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:38 | 28:38 | 0 | 0.848 | 1594639 | 352858 | 730 | 1825 | 483 | | |
| 291.9194 | 28:38 | 28:38 | 0 | 0.848 | 2000814 | 437058 | 633 | 1582 | 690 | 0.80(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:52 | 28:52 | 0 | 0.856 | 1635011 | 354468 | 730 | 1825 | 486 | | |
| 291.9194 | 28:52 | 28:52 | 0 | 0.856 | 2057743 | 448429 | 633 | 1582 | 708 | 0.79(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:02 | 29:02 | 0 | 0.860 | 1735144 | 348325 | 730 | 1825 | 477 | | |
| 291.9194 | 29:02 | 29:02 | 0 | 0.860 | 2192406 | 443132 | 633 | 1582 | 700 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:18 | 29:18 | 0 | 0.868 | 1783540 | 385451 | 730 | 1825 | 528 | | |
| 291.9194 | 29:18 | 29:18 | 0 | 0.868 | 2258592 | 487783 | 633 | 1582 | 771 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 6578392 | 732233 | 730 | 1825 | 1003 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 8286759 | 919151 | 633 | 1582 | 1452 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 6578392 | 732233 | 730 | 1825 | 1003 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 8286759 | 919151 | 633 | 1582 | 1452 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 6578392 | 732233 | 730 | 1825 | 1003 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 8286759 | 919151 | 633 | 1582 | 1452 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:38 | 29:38 | 0 | 0.878 | 6578392 | 732233 | 730 | 1825 | 1003 | | |
| 291.9194 | 29:38 | 29:38 | 0 | 0.878 | 8286759 | 919151 | 633 | 1582 | 1452 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 29:58 | 29:58 | 0 | 0.888 | 1615955 | 342831 | 730 | 1825 | 470 | | |
| 291.9194 | 29:58 | 29:58 | 0 | 0.888 | 1984895 | 427722 | 633 | 1582 | 676 | 0.81(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:08 | 30:08 | 0 | 0.893 | 1607702 | 352478 | 730 | 1825 | 483 | | |
| 291.9194 | 30:07 | 30:08 | -1 | 0.893 | 2019566 | 436093 | 633 | 1582 | 689 | 0.80(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:38 | 30:38 | 0 | 0.908 | 1534532 | 331057 | 730 | 1825 | 454 | | |
| 291.9194 | 30:38 | 30:38 | 0 | 0.908 | 1940339 | 421101 | 633 | 1582 | 665 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:51 | 30:51 | 0 | 0.914 | 1606515 | 347785 | 730 | 1825 | 476 | | |
| 291.9194 | 30:51 | 30:51 | 0 | 0.914 | 2023715 | 429295 | 633 | 1582 | 678 | 0.79(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:16 | 31:16 | 0 | 0.926 | 1854202 | 398130 | 730 | 1825 | 545 | | |
| 291.9194 | 31:16 | 31:16 | 0 | 0.926 | 2277345 | 501390 | 633 | 1582 | 792 | 0.81(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:47 | 32:47 | 0 | 0.971 | 1936867 | 387858 | 730 | 1825 | 531 | | |
| 291.9194 | 32:47 | 32:47 | 0 | 0.971 | 2425394 | 491736 | 633 | 1582 | 777 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:20 | 33:20 | 0 | 0.988 | 1608133 | 341551 | 730 | 1825 | 468 | | |
| 291.9194 | 33:20 | 33:20 | 0 | 0.988 | 2013015 | 428772 | 633 | 1582 | 677 | 0.80(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:46 | 33:46 | 0 | 1.001 | 1692424 | 347394 | 730 | 1825 | 476 | | |
| 291.9194 | 33:46 | 33:46 | 0 | 1.001 | 2115083 | 429199 | 633 | 1582 | 678 | 0.80(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:20 | 34:20 | 0 | 1.001 | 1732724 | 350570 | 730 | 1825 | 480 | | |
| 291.9194 | 34:20 | 34:20 | 0 | 1.001 | 2180255 | 444874 | 633 | 1582 | 703 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:48 | 25:47 | -2 | 0.814 | 2921028 | 658700 | 31 | 77 | 21248 | | |
| 339.9178 | 25:48 | 25:47 | -2 | 0.814 | 1823941 | 414155 | 31 | 77 | 13360 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:45 | 28:45 | 0 | 1.114 | 1054097 | 236079 | 31 | 77 | 7615 | | |
| 339.9178 | 28:45 | 28:45 | 0 | 1.114 | 675235 | 145674 | 31 | 77 | 4699 | 1.56(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:41 | 31:41 | 0 | | 2381354 | 505205 | 31 | 77 | 16297 | | |
| 339.9178 | 31:41 | 31:41 | 0 | | 1517229 | 327287 | 31 | 77 | 10558 | 1.57(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:22 | 34:22 | 0 | 1.085 | 1544859 | 319345 | 31 | 77 | 10301 | | |
| 339.9178 | 34:22 | 34:22 | 0 | 1.085 | 985301 | 210897 | 31 | 77 | 6803 | 1.57(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:20 | 36:20 | -2 | 1.147 | 3665022 | 760184 | 2577 | 6442 | 295 | | |
| 339.9178 | 36:20 | 36:20 | -2 | 1.147 | 2303620 | 477833 | 1773 | 4432 | 270 | 1.59(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:40 | 36:39 | -2 | 1.157 | 3831443 | 783127 | 2577 | 6442 | 304 | | |
| 339.9178 | 36:40 | 36:39 | -2 | 1.157 | 2447248 | 490448 | 1773 | 4432 | 277 | 1.57(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:11 | 37:10 | -2 | 1.174 | 3776119 | 780877 | 2577 | 6442 | 303 | | |
| 339.9178 | 37:11 | 37:10 | -2 | 1.174 | 2365853 | 492893 | 1773 | 4432 | 278 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:50 | 37:49 | -2 | 1.194 | 3712814 | 753981 | 2577 | 6442 | 293 | | |
| 339.9178 | 37:50 | 37:49 | -2 | 1.194 | 2325533 | 467660 | 1773 | 4432 | 264 | 1.60(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:18 | 39:18 | 0 | | 3851479 | 783000 | 2577 | 6442 | 304 | | |
| 339.9178 | 39:18 | 39:18 | 0 | | 2402623 | 487298 | 1773 | 4432 | 275 | 1.60(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:55 | 40:54 | -2 | 1.291 | 3748719 | 734081 | 2577 | 6442 | 285 | | |
| 339.9178 | 40:55 | 40:54 | -2 | 1.291 | 2321986 | 459015 | 1773 | 4432 | 259 | 1.61(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:49 | 25:49 | 0 | 1.001 | 1880956 | 423011 | 60 | 150 | 7050 | | |
| 327.8775 | 25:48 | 25:49 | -1 | 1.000 | 1166635 | 263080 | 34 | 85 | 7738 | 1.61(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:11 | 26:11 | 0 | 1.015 | 1645726 | 373279 | 60 | 150 | 6221 | | |
| 327.8775 | 26:11 | 26:11 | 0 | 1.015 | 1021855 | 233590 | 34 | 85 | 6870 | 1.61(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:07 | 28:07 | 0 | 1.090 | 1404562 | 309194 | 60 | 150 | 5153 | | |
| 327.8775 | 28:07 | 28:07 | 0 | 1.090 | 887522 | 198252 | 34 | 85 | 5831 | 1.58(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:20 | 28:20 | 0 | 1.099 | 1218515 | 270603 | 60 | 150 | 4510 | | |
| 327.8775 | 28:20 | 28:20 | 0 | 1.099 | 762491 | 163765 | 34 | 85 | 4817 | 1.60(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:46 | 28:46 | 0 | 1.115 | 1305464 | 285675 | 60 | 150 | 4761 | | |
| 327.8775 | 28:46 | 28:46 | 0 | 1.115 | 823531 | 183987 | 34 | 85 | 5411 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:00 | 29:00 | 0 | 1.124 | 2607992 | 553592 | 60 | 150 | 9227 | | |
| 327.8775 | 29:00 | 29:00 | 0 | 1.124 | 1656290 | 349565 | 34 | 85 | 10281 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:00 | 29:00 | 0 | 1.124 | 2607992 | 553592 | 60 | 150 | 9227 | | |
| 327.8775 | 29:00 | 29:00 | 0 | 1.124 | 1656290 | 349565 | 34 | 85 | 10281 | 1.57(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:08 | 29:08 | 0 | 1.130 | 2649252 | 325853 | 60 | 150 | 5431 | | M |
| 327.8775 | 29:08 | 29:08 | 0 | 1.130 | 1656747 | 203951 | 34 | 85 | 5999 | 1.60(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:08 | 29:08 | 0 | 1.130 | 2649252 | 325853 | 60 | 150 | 5431 | | M |
| 327.8775 | 29:08 | 29:08 | 0 | 1.130 | 1656747 | 203951 | 34 | 85 | 5999 | 1.60(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | Ma |
| 325.8804 | 29:38 | 29:38 | 0 | 1.149 | 2684004 | 317875 | 60 | 150 | 5298 | | M |
| 327.8775 | 29:38 | 29:38 | 0 | 1.149 | 1677749 | 200010 | 34 | 85 | 5883 | 1.60(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | Ma |
| 325.8804 | 29:38 | 29:38 | 0 | 1.149 | 2684004 | 317875 | 60 | 150 | 5298 | | M |
| 327.8775 | 29:38 | 29:38 | 0 | 1.149 | 1677749 | 200010 | 34 | 85 | 5883 | 1.60(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:51 | 29:51 | 0 | 1.157 | 1149677 | 245273 | 60 | 150 | 4088 | | |
| 327.8775 | 29:51 | 29:51 | 0 | 1.157 | 712820 | 155091 | 34 | 85 | 4562 | 1.61(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:20 | 30:20 | 0 | 1.176 | 1225598 | 264379 | 60 | 150 | 4406 | | |
| 327.8775 | 30:20 | 30:20 | 0 | 1.176 | 764335 | 162395 | 34 | 85 | 4776 | 1.60(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | M |
| 325.8804 | 30:45 | 30:45 | 0 | 1.192 | 1848903 | 398275 | 60 | 150 | 6638 | | M |
| 327.8775 | 30:45 | 30:45 | 0 | 1.192 | 1165028 | 249517 | 34 | 85 | 7339 | 1.59(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | Ma |
| 325.8804 | 31:08 | 31:08 | 0 | 0.857 | 1272141 | 275374 | 60 | 150 | 4590 | | M |
| 327.8775 | 31:08 | 31:08 | 0 | 0.857 | 813239 | 174851 | 34 | 85 | 5143 | 1.56(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:42 | 31:42 | 0 | 1.229 | 4499576 | 659366 | 60 | 150 | 10989 | | |
| 327.8775 | 31:42 | 31:42 | 0 | 1.229 | 2876672 | 418657 | 34 | 85 | 12313 | 1.56(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:42 | 31:42 | 0 | 1.229 | 4499576 | 659366 | 60 | 150 | 10989 | | |
| 327.8775 | 31:42 | 31:42 | 0 | 1.229 | 2876672 | 418657 | 34 | 85 | 12313 | 1.56(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:42 | 31:42 | 0 | 1.229 | 4499576 | 659366 | 60 | 150 | 10989 | | |
| 327.8775 | 31:42 | 31:42 | 0 | 1.229 | 2876672 | 418657 | 34 | 85 | 12313 | 1.56(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | Ma |
| 325.8804 | 32:18 | 32:18 | 0 | 1.252 | 2546944 | 309072 | 60 | 150 | 5151 | | M |
| 327.8775 | 32:18 | 32:18 | 0 | 1.252 | 1618864 | 193340 | 34 | 85 | 5686 | 1.57(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | Ma |
| 325.8804 | 32:18 | 32:18 | 0 | 1.252 | 2546944 | 309072 | 60 | 150 | 5151 | | M |
| 327.8775 | 32:18 | 32:18 | 0 | 1.252 | 1618864 | 193340 | 34 | 85 | 5686 | 1.57(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:25 | 32:25 | 0 | 1.257 | 1867833 | 381184 | 60 | 150 | 6353 | | |
| 327.8775 | 32:25 | 32:25 | 0 | 1.257 | 1154651 | 234070 | 34 | 85 | 6884 | 1.62(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:47 | 32:47 | 0 | 1.271 | 9242045 | 1066765 | 60 | 150 | 17779 | | M |
| 327.8775 | 32:47 | 32:47 | 0 | 1.271 | 5845962 | 680572 | 34 | 85 | 20017 | 1.58(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:47 | 32:47 | 0 | 1.271 | 9242045 | 1066765 | 60 | 150 | 17779 | | M |
| 327.8775 | 32:47 | 32:47 | 0 | 1.271 | 5845962 | 680572 | 34 | 85 | 20017 | 1.58(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:47 | 32:47 | 0 | 1.271 | 9242045 | 1066765 | 60 | 150 | 17779 | | M |
| 327.8775 | 32:47 | 32:47 | 0 | 1.271 | 5845962 | 680572 | 34 | 85 | 20017 | 1.58(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:47 | 32:47 | 0 | 1.271 | 9242045 | 1066765 | 60 | 150 | 17779 | | M |
| 327.8775 | 32:47 | 32:47 | 0 | 1.271 | 5845962 | 680572 | 34 | 85 | 20017 | 1.58(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:47 | 32:47 | 0 | 1.271 | 9242045 | 1066765 | 60 | 150 | 17779 | | M |
| 327.8775 | 32:47 | 32:47 | 0 | 1.271 | 5845962 | 680572 | 34 | 85 | 20017 | 1.58(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:47 | 32:47 | 0 | 1.271 | 9242045 | 1066765 | 60 | 150 | 17779 | | M |
| 327.8775 | 32:47 | 32:47 | 0 | 1.271 | 5845962 | 680572 | 34 | 85 | 20017 | 1.58(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:31 | 0 | 1.300 | 4842184 | 634091 | 60 | 150 | 10568 | | |
| 327.8775 | 33:30 | 33:31 | -1 | 1.299 | 3059997 | 397906 | 34 | 85 | 11703 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:31 | 0 | 1.300 | 4842184 | 634091 | 60 | 150 | 10568 | | |
| 327.8775 | 33:30 | 33:31 | -1 | 1.299 | 3059997 | 397906 | 34 | 85 | 11703 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:31 | 33:31 | 0 | 1.300 | 4842184 | 634091 | 60 | 150 | 10568 | | |
| 327.8775 | 33:30 | 33:31 | -1 | 1.299 | 3059997 | 397906 | 34 | 85 | 11703 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:46 | 0 | 1.309 | 3657291 | 407930 | 60 | 150 | 6799 | | |
| 327.8775 | 33:45 | 33:46 | -1 | 1.308 | 2290405 | 253909 | 34 | 85 | 7468 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:46 | 33:46 | 0 | 1.309 | 3657291 | 407930 | 60 | 150 | 6799 | | |
| 327.8775 | 33:45 | 33:46 | -1 | 1.308 | 2290405 | 253909 | 34 | 85 | 7468 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:00 | 34:00 | 0 | 1.318 | 1205141 | 237042 | 60 | 150 | 3951 | | |
| 327.8775 | 34:00 | 34:00 | 0 | 1.318 | 749403 | 147113 | 34 | 85 | 4327 | 1.61(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:24 | 34:24 | 0 | 1.334 | 1945240 | 405179 | 60 | 150 | 6753 | | |
| 327.8775 | 34:24 | 34:24 | 0 | 1.334 | 1230898 | 257962 | 34 | 85 | 7587 | 1.58(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:51 | 34:51 | 0 | 1.351 | 2001921 | 408492 | 60 | 150 | 6808 | | |
| 327.8775 | 34:51 | 34:51 | 0 | 1.351 | 1250756 | 256703 | 34 | 85 | 7550 | 1.60(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:00 | 36:00 | 0 | 1.396 | 4260403 | 860096 | 1417 | 3542 | 607 | | |
| 327.8775 | 36:00 | 36:00 | 0 | 1.396 | 2716978 | 534055 | 892 | 2230 | 599 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:00 | 36:00 | 0 | 1.396 | 4260403 | 860096 | 1417 | 3542 | 607 | | |
| 327.8775 | 36:00 | 36:00 | 0 | 1.396 | 2716978 | 534055 | 892 | 2230 | 599 | 1.57(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:15 | 36:15 | 0 | 1.405 | 2362850 | 454852 | 1417 | 3542 | 321 | | |
| 327.8775 | 36:14 | 36:15 | -1 | 1.405 | 1490060 | 285276 | 892 | 2230 | 320 | 1.59(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:22 | 36:22 | 0 | 1.001 | 2328452 | 477452 | 1417 | 3542 | 337 | | |
| 327.8775 | 36:21 | 36:22 | -1 | 1.000 | 1467234 | 302357 | 892 | 2230 | 339 | 1.59(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:28 | 36:28 | 0 | 1.004 | 2167766 | 442634 | 1417 | 3542 | 312 | | |
| 327.8775 | 36:28 | 36:28 | 0 | 1.004 | 1367432 | 283375 | 892 | 2230 | 318 | 1.59(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:40 | 36:40 | 0 | 1.000 | 2362840 | 455411 | 1417 | 3542 | 321 | | |
| 327.8775 | 36:40 | 36:40 | 0 | 1.000 | 1490859 | 285101 | 892 | 2230 | 320 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:02 | 37:02 | 0 | 1.010 | 2010086 | 410783 | 1417 | 3542 | 290 | | |
| 327.8775 | 37:02 | 37:02 | 0 | 1.010 | 1273741 | 257929 | 892 | 2230 | 289 | 1.58(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:13 | 37:13 | 0 | 1.001 | 2405224 | 467253 | 1417 | 3542 | 330 | | |
| 327.8775 | 37:13 | 37:13 | 0 | 1.001 | 1516527 | 295723 | 892 | 2230 | 332 | 1.59(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:51 | 37:51 | 0 | 1.001 | 2235746 | 437527 | 1417 | 3542 | 309 | | |
| 327.8775 | 37:51 | 37:51 | 0 | 1.001 | 1392984 | 275678 | 892 | 2230 | 309 | 1.61(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:20 | 39:20 | 0 | 1.040 | 2318575 | 450672 | 1417 | 3542 | 318 | | |
| 327.8775 | 39:20 | 39:20 | 0 | 1.040 | 1459051 | 286874 | 892 | 2230 | 322 | 1.59(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:56 | 40:56 | 0 | 1.001 | 2337224 | 429301 | 1417 | 3542 | 303 | | |
| 327.8775 | 40:56 | 40:56 | 0 | 1.001 | 1457417 | 269842 | 892 | 2230 | 303 | 1.60(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:28 | 31:29 | -2 | 0.791 | 2564969 | 558466 | 17 | 42 | 32851 | | |
| 373.8788 | 31:28 | 31:29 | -2 | 0.791 | 2047312 | 435882 | 43 | 107 | 10137 | 1.25(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:33 | 38:33 | 0 | 0.901 | 1335715 | 267782 | 883 | 2207 | 303 | | |
| 373.8788 | 38:32 | 38:33 | -1 | 0.900 | 1045831 | 209015 | 567 | 1417 | 369 | 1.28(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:46 | 39:46 | 0 | | 2564801 | 505070 | 883 | 2207 | 572 | | |
| 373.8788 | 39:47 | 39:46 | 1 | | 2061385 | 417851 | 567 | 1417 | 737 | 1.24(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:48 | 42:47 | -2 | 1.076 | 3349833 | 671191 | 883 | 2207 | 760 | | |
| 373.8788 | 42:48 | 42:47 | -2 | 1.076 | 2591147 | 515368 | 567 | 1417 | 909 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:56 | 43:56 | -2 | 1.105 | 6474929 | 901862 | 883 | 2207 | 1021 | | |
| 373.8788 | 43:56 | 43:56 | -2 | 1.105 | 5099725 | 719108 | 567 | 1417 | 1268 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:56 | 43:56 | -2 | 1.105 | 6474929 | 901862 | 883 | 2207 | 1021 | | |
| 373.8788 | 43:56 | 43:56 | -2 | 1.105 | 5099725 | 719108 | 567 | 1417 | 1268 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:11 | 47:10 | -2 | 1.186 | 3249417 | 627312 | 883 | 2207 | 710 | | |
| 373.8788 | 47:11 | 47:10 | -2 | 1.186 | 2589509 | 504664 | 567 | 1417 | 890 | 1.25(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:30 | 31:30 | 0 | 1.001 | 1495475 | 319898 | 16 | 40 | 19994 | | |
| 361.8385 | 31:30 | 31:30 | 0 | 1.001 | 1179954 | 254841 | 21 | 52 | 12135 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:41 | 31:41 | 0 | 1.007 | 1409822 | 295106 | 16 | 40 | 18444 | | |
| 361.8385 | 31:40 | 31:41 | -1 | 1.006 | 1113281 | 235268 | 21 | 52 | 11203 | 1.27(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:51 | 31:51 | 0 | 1.012 | 1419098 | 303145 | 16 | 40 | 18947 | | |
| 361.8385 | 31:51 | 31:51 | 0 | 1.012 | 1120875 | 238529 | 21 | 52 | 11359 | 1.27(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:12 | 32:12 | 0 | 1.023 | 1329575 | 284481 | 16 | 40 | 17780 | | |
| 361.8385 | 32:12 | 32:12 | 0 | 1.023 | 1035920 | 218947 | 21 | 52 | 10426 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:31 | 32:31 | 0 | 1.033 | 1372004 | 281941 | 16 | 40 | 17621 | | |
| 361.8385 | 32:30 | 32:31 | -1 | 1.033 | 1092872 | 222916 | 21 | 52 | 10615 | 1.26(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:02 | 34:02 | 0 | 1.081 | 1031625 | 218358 | 16 | 40 | 13647 | | |
| 361.8385 | 34:02 | 34:02 | 0 | 1.081 | 823513 | 172641 | 21 | 52 | 8221 | 1.25(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:40 | 34:40 | 0 | 1.102 | 1996762 | 230038 | 16 | 40 | 14377 | | M |
| 361.8385 | 34:36 | 34:40 | -4 | 1.099 | 1590049 | 184729 | 21 | 52 | 8797 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:40 | 34:40 | 0 | 1.102 | 1996762 | 230038 | 16 | 40 | 14377 | | M |
| 361.8385 | 34:36 | 34:40 | -4 | 1.099 | 1590049 | 184729 | 21 | 52 | 8797 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:53 | 34:53 | 0 | 1.108 | 1163560 | 236915 | 16 | 40 | 14807 | | |
| 361.8385 | 34:53 | 34:53 | 0 | 1.108 | 921860 | 189930 | 21 | 52 | 9044 | 1.26(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:10 | 35:10 | 0 | 1.118 | 1061925 | 219994 | 16 | 40 | 13750 | | |
| 361.8385 | 35:10 | 35:10 | 0 | 1.118 | 833887 | 170825 | 21 | 52 | 8135 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:32 | 35:32 | 0 | 1.129 | 2799184 | 559034 | 286 | 715 | 1955 | | |
| 361.8385 | 35:32 | 35:32 | 0 | 1.129 | 2228903 | 443501 | 326 | 815 | 1360 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:32 | 35:32 | 0 | 1.129 | 2799184 | 559034 | 286 | 715 | 1955 | | |
| 361.8385 | 35:32 | 35:32 | 0 | 1.129 | 2228903 | 443501 | 326 | 815 | 1360 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:50 | 35:50 | 0 | 1.139 | 2375608 | 269839 | 286 | 715 | 943 | | |
| 361.8385 | 35:50 | 35:50 | 0 | 1.139 | 1899167 | 217379 | 326 | 815 | 667 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:50 | 35:50 | 0 | 1.139 | 2375608 | 269839 | 286 | 715 | 943 | | |
| 361.8385 | 35:50 | 35:50 | 0 | 1.139 | 1899167 | 217379 | 326 | 815 | 667 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:08 | 36:08 | 0 | 1.148 | 2745162 | 518888 | 286 | 715 | 1814 | | |
| 361.8385 | 36:08 | 36:08 | 0 | 1.148 | 2182004 | 411003 | 326 | 815 | 1261 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:08 | 36:08 | 0 | 1.148 | 2745162 | 518888 | 286 | 715 | 1814 | | |
| 361.8385 | 36:08 | 36:08 | 0 | 1.148 | 2182004 | 411003 | 326 | 815 | 1261 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:21 | 36:21 | 0 | 1.155 | 1191723 | 243161 | 286 | 715 | 850 | | |
| 361.8385 | 36:20 | 36:21 | -1 | 1.155 | 946735 | 192232 | 326 | 815 | 590 | 1.26(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:29 | 36:29 | 0 | 1.160 | 1206272 | 245300 | 286 | 715 | 858 | | |
| 361.8385 | 36:29 | 36:29 | 0 | 1.160 | 962388 | 193554 | 326 | 815 | 594 | 1.25(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | Ma |
| 359.8415 | 36:48 | 36:48 | 0 | 1.169 | 1208567 | 249841 | 286 | 715 | 874 | | M |
| 361.8385 | 36:48 | 36:48 | 0 | 1.169 | 965063 | 196819 | 326 | 815 | 604 | 1.25(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:18 | 37:18 | 0 | 1.185 | 1279104 | 256506 | 286 | 715 | 897 | | |
| 361.8385 | 37:18 | 37:18 | 0 | 1.185 | 1019823 | 203579 | 326 | 815 | 624 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:42 | 37:42 | 0 | 0.881 | 1597178 | 331250 | 286 | 715 | 1158 | | |
| 361.8385 | 37:42 | 37:42 | -1 | 0.881 | 1276152 | 261292 | 326 | 815 | 802 | 1.25(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:57 | 37:57 | 0 | 0.887 | 1430428 | 287506 | 286 | 715 | 1005 | | |
| 361.8385 | 37:57 | 37:57 | 0 | 0.887 | 1096796 | 228147 | 326 | 815 | 700 | 1.30(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:05 | 38:05 | 0 | 0.890 | 1799855 | 378142 | 286 | 715 | 1322 | | |
| 361.8385 | 38:05 | 38:05 | 0 | 0.890 | 1498452 | 299934 | 326 | 815 | 920 | 1.20(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:36 | 0 | 0.902 | 3405420 | 508104 | 286 | 715 | 1777 | | |
| 361.8385 | 38:36 | 38:36 | 0 | 0.902 | 2699872 | 398806 | 326 | 815 | 1223 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:36 | 38:36 | 0 | 0.902 | 3405420 | 508104 | 286 | 715 | 1777 | | |
| 361.8385 | 38:36 | 38:36 | 0 | 0.902 | 2699872 | 398806 | 326 | 815 | 1223 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:45 | 38:45 | 0 | 0.906 | 1352960 | 267253 | 286 | 715 | 934 | | |
| 361.8385 | 38:45 | 38:45 | 0 | 0.906 | 1082342 | 214738 | 326 | 815 | 659 | 1.25(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:10 | 39:10 | 0 | 0.915 | 1156501 | 233388 | 286 | 715 | 816 | | |
| 361.8385 | 39:10 | 39:10 | 0 | 0.915 | 925708 | 187332 | 326 | 815 | 575 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:23 | 39:23 | 0 | 0.920 | 1503691 | 296412 | 286 | 715 | 1036 | | |
| 361.8385 | 39:23 | 39:23 | 0 | 0.920 | 1211727 | 237441 | 326 | 815 | 728 | 1.24(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:30 | 39:30 | 0 | 0.923 | 1733327 | 357622 | 286 | 715 | 1250 | | |
| 361.8385 | 39:30 | 39:30 | 0 | 0.923 | 1378725 | 285172 | 326 | 815 | 875 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 39:49 | 39:49 | 0 | 0.930 | 6045053 | 666946 | 286 | 715 | 2332 | | M |
| 361.8385 | 39:49 | 39:49 | 0 | 0.930 | 4818914 | 534044 | 326 | 815 | 1638 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:49 | 39:49 | 0 | 0.930 | 6045053 | 666946 | 286 | 715 | 2332 | | M |
| 361.8385 | 39:49 | 39:49 | 0 | 0.930 | 4818914 | 534044 | 326 | 815 | 1638 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:49 | 39:49 | 0 | 0.930 | 6045053 | 666946 | 286 | 715 | 2332 | | M |
| 361.8385 | 39:49 | 39:49 | 0 | 0.930 | 4818914 | 534044 | 326 | 815 | 1638 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:49 | 39:49 | 0 | 0.930 | 6045053 | 666946 | 286 | 715 | 2332 | | M |
| 361.8385 | 39:49 | 39:49 | 0 | 0.930 | 4818914 | 534044 | 326 | 815 | 1638 | 1.25(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:12 | 40:12 | 0 | 0.939 | 1966240 | 368418 | 286 | 715 | 1288 | | |
| 361.8385 | 40:12 | 40:12 | 0 | 0.939 | 1547158 | 292889 | 326 | 815 | 898 | 1.27(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:03 | 41:03 | 0 | 0.959 | 3135207 | 552262 | 286 | 715 | 1931 | | |
| 361.8385 | 41:03 | 41:03 | 0 | 0.959 | 2577991 | 438060 | 326 | 815 | 1344 | 1.22(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:03 | 41:03 | 0 | 0.959 | 3135207 | 552262 | 286 | 715 | 1931 | | |
| 361.8385 | 41:03 | 41:03 | 0 | 0.959 | 2577991 | 438060 | 326 | 815 | 1344 | 1.22(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:03 | 42:03 | 0 | 0.983 | 1875565 | 370766 | 286 | 715 | 1296 | | |
| 361.8385 | 42:03 | 42:03 | 0 | 0.983 | 1495077 | 296830 | 326 | 815 | 911 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:20 | 42:20 | 0 | 0.989 | 1950305 | 374545 | 286 | 715 | 1310 | | |
| 361.8385 | 42:20 | 42:20 | 0 | 0.989 | 1566607 | 300812 | 326 | 815 | 923 | 1.24(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:49 | 42:49 | 0 | 1.000 | 2001937 | 387338 | 286 | 715 | 1354 | | |
| 361.8385 | 42:49 | 42:49 | 0 | 1.000 | 1598075 | 313320 | 326 | 815 | 961 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:58 | 0 | 1.001 | 3782948 | 531028 | 286 | 715 | 1857 | | |
| 361.8385 | 43:58 | 43:58 | 0 | 1.001 | 3024321 | 420995 | 326 | 815 | 1291 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:58 | 43:58 | 0 | 1.001 | 3782948 | 531028 | 286 | 715 | 1857 | | |
| 361.8385 | 43:58 | 43:58 | 0 | 1.001 | 3024321 | 420995 | 326 | 815 | 1291 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:11 | 47:11 | 0 | 1.000 | 1943746 | 360182 | 286 | 715 | 1259 | | |
| 361.8385 | 47:11 | 47:11 | 0 | 1.000 | 1547182 | 287456 | 326 | 815 | 882 | 1.26(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:12 | 37:12 | -2 | 0.820 | 2729764 | 553464 | 48 | 120 | 11531 | | |
| 407.8398 | 37:12 | 37:12 | -2 | 0.820 | 2549699 | 517231 | 170 | 425 | 3043 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:15 | 40:15 | 0 | 0.888 | 1018452 | 214966 | 48 | 120 | 4478 | | |
| 407.8398 | 40:15 | 40:15 | 0 | 0.888 | 944325 | 193053 | 170 | 425 | 1136 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:21 | 45:21 | 0 | | 2097537 | 415178 | 48 | 120 | 8650 | | |
| 407.8398 | 45:21 | 45:21 | 0 | | 1996851 | 387037 | 170 | 425 | 2277 | 1.05(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:35 | 46:35 | -2 | 1.027 | 1669146 | 329430 | 48 | 120 | 6863 | | |
| 407.8398 | 46:35 | 46:35 | -2 | 1.027 | 1570471 | 306121 | 170 | 425 | 1801 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:42 | 49:42 | -2 | 1.096 | 3610002 | 709625 | 404 | 1010 | 1756 | | |
| 407.8398 | 49:42 | 49:42 | -2 | 1.096 | 3408212 | 657165 | 1720 | 4300 | 382 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:13 | 37:13 | 0 | 1.001 | 1572819 | 321244 | 7 | 17 | 45892 | | |
| 395.7995 | 37:13 | 37:13 | 0 | 1.001 | 1489203 | 303275 | 15 | 37 | 20218 | 1.06(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:33 | 37:33 | 0 | 1.009 | 1459580 | 292677 | 7 | 17 | 41811 | | |
| 395.7995 | 37:33 | 37:33 | 0 | 1.009 | 1381392 | 281002 | 15 | 37 | 18733 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:05 | 38:05 | 0 | 1.024 | 1425911 | 288190 | 7 | 17 | 41170 | | |
| 395.7995 | 38:05 | 38:05 | 0 | 1.024 | 1369280 | 279191 | 15 | 37 | 18613 | 1.04(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:26 | 38:26 | 0 | 1.033 | 1578754 | 318861 | 7 | 17 | 45552 | | |
| 395.7995 | 38:26 | 38:26 | 0 | 1.033 | 1490367 | 300876 | 15 | 37 | 20058 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:53 | 38:53 | 0 | 1.045 | 1485188 | 299103 | 7 | 17 | 42729 | | |
| 395.7995 | 38:53 | 38:53 | 0 | 1.045 | 1409508 | 284075 | 15 | 37 | 18938 | 1.05(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:16 | 40:16 | 0 | 1.083 | 1070290 | 214173 | 7 | 17 | 30596 | | |
| 395.7995 | 40:16 | 40:16 | 0 | 1.083 | 1010962 | 205082 | 15 | 37 | 13672 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:54 | 40:54 | 0 | 1.100 | 1103097 | 215371 | 7 | 17 | 30767 | | |
| 395.7995 | 40:54 | 40:54 | 0 | 1.100 | 1045732 | 207179 | 15 | 37 | 13812 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:10 | 41:10 | 0 | 1.107 | 1158481 | 232137 | 7 | 17 | 33162 | | |
| 395.7995 | 41:10 | 41:10 | 0 | 1.107 | 1117593 | 224689 | 15 | 37 | 14979 | 1.04(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:23 | 41:23 | 0 | 1.113 | 1203996 | 241419 | 7 | 17 | 34488 | | |
| 395.7995 | 41:23 | 41:23 | 0 | 1.113 | 1134869 | 228241 | 15 | 37 | 15216 | 1.06(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:47 | 41:47 | 0 | 1.123 | 2340014 | 249335 | 7 | 17 | 35619 | | M |
| 395.7995 | 41:47 | 41:47 | 0 | 1.123 | 2223458 | 237624 | 15 | 37 | 15842 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:47 | 41:47 | 0 | 1.123 | 2340014 | 249335 | 7 | 17 | 35619 | | M |
| 395.7995 | 41:47 | 41:47 | 0 | 1.123 | 2223458 | 237624 | 15 | 37 | 15842 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:01 | 42:01 | 0 | 1.130 | 1024199 | 201433 | 7 | 17 | 28776 | | |
| 395.7995 | 42:01 | 42:01 | 0 | 1.130 | 967498 | 188578 | 15 | 37 | 12572 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:27 | 42:27 | 0 | 1.141 | 984865 | 197065 | 7 | 17 | 28152 | | |
| 395.7995 | 42:27 | 42:27 | 0 | 1.141 | 942400 | 188340 | 15 | 37 | 12556 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:51 | 42:51 | 0 | 1.152 | 1162039 | 230117 | 7 | 17 | 32874 | | |
| 395.7995 | 42:51 | 42:51 | 0 | 1.152 | 1107388 | 217669 | 15 | 37 | 14511 | 1.05(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:04 | 43:04 | 0 | 1.158 | 2025586 | 350429 | 7 | 17 | 50061 | | |
| 395.7995 | 43:04 | 43:04 | 0 | 1.158 | 1936014 | 334119 | 15 | 37 | 22275 | 1.05(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:04 | 43:04 | 0 | 1.158 | 2025586 | 350429 | 7 | 17 | 50061 | | |
| 395.7995 | 43:04 | 43:04 | 0 | 1.158 | 1936014 | 334119 | 15 | 37 | 22275 | 1.05(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:43 | 44:43 | 0 | 0.900 | 1039246 | 202825 | 7 | 17 | 28975 | | |
| 395.7995 | 44:42 | 44:43 | -1 | 0.899 | 1007163 | 197358 | 15 | 37 | 13157 | 1.03(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 44:59 | 44:59 | 0 | 0.905 | 1415278 | 283368 | 7 | 17 | 40481 | | |
| 395.7995 | 44:59 | 44:59 | 0 | 0.905 | 1329426 | 261737 | 15 | 37 | 17449 | 1.06(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:19 | 45:19 | 0 | 0.912 | 2651667 | 351741 | 7 | 17 | 50249 | | |
| 395.7995 | 45:19 | 45:19 | 0 | 0.912 | 2525544 | 336879 | 15 | 37 | 22459 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:19 | 45:19 | 0 | 0.912 | 2651667 | 351741 | 7 | 17 | 50249 | | |
| 395.7995 | 45:19 | 45:19 | 0 | 0.912 | 2525544 | 336879 | 15 | 37 | 22459 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:43 | 45:43 | 0 | 0.920 | 1512993 | 289678 | 7 | 17 | 41383 | | |
| 395.7995 | 45:43 | 45:43 | 0 | 0.920 | 1438197 | 274210 | 15 | 37 | 18281 | 1.05(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:37 | 46:37 | 0 | 0.938 | 1067523 | 207325 | 7 | 17 | 29618 | | |
| 395.7995 | 46:37 | 46:37 | 0 | 0.938 | 1014222 | 196204 | 15 | 37 | 13080 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:08 | 47:08 | 0 | 0.948 | 1471621 | 288014 | 7 | 17 | 41145 | | |
| 395.7995 | 47:08 | 47:08 | 0 | 0.948 | 1423890 | 282503 | 15 | 37 | 18834 | 1.03(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:44 | 49:44 | 0 | 1.001 | 2242948 | 428834 | 371 | 927 | 1156 | | |
| 395.7995 | 49:44 | 49:44 | 0 | 1.001 | 2121681 | 408377 | 144 | 360 | 2836 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:34 | 42:35 | -3 | 0.821 | 2121681 | 416948 | 59 | 147 | 7067 | | |
| 441.8008 | 42:34 | 42:35 | -3 | 0.821 | 2321068 | 461882 | 66 | 165 | 6998 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:49 | 51:49 | 0 | | 2264298 | 439862 | 123 | 307 | 3576 | | |
| 441.8008 | 51:50 | 51:49 | 1 | | 2481756 | 473112 | 1592 | 3980 | 297 | 0.91(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:17 | 52:18 | -3 | 1.009 | 2772332 | 525913 | 123 | 307 | 4276 | | |
| 441.8008 | 52:17 | 52:18 | -3 | 1.009 | 3073384 | 582768 | 1592 | 3980 | 366 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:35 | 42:35 | 0 | 1.001 | 1041946 | 205790 | 25 | 62 | 8232 | | |
| 429.7606 | 42:35 | 42:35 | 0 | 1.001 | 1115017 | 218386 | 20 | 50 | 10919 | 0.93(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:31 | 43:31 | 0 | 1.022 | 1137318 | 226790 | 25 | 62 | 9072 | | |
| 429.7606 | 43:31 | 43:31 | 0 | 1.022 | 1265439 | 255501 | 20 | 50 | 12775 | 0.90(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:12 | 44:12 | 0 | 1.038 | 1087858 | 213500 | 25 | 62 | 8540 | | |
| 429.7606 | 44:12 | 44:12 | 0 | 1.038 | 1197064 | 233278 | 20 | 50 | 11664 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:25 | 44:25 | 0 | 1.044 | 1185281 | 232902 | 25 | 62 | 9316 | | |
| 429.7606 | 44:25 | 44:25 | 0 | 1.044 | 1303346 | 256397 | 20 | 50 | 12820 | 0.91(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:31 | 44:31 | 0 | 1.046 | 1092246 | 220676 | 25 | 62 | 8827 | | |
| 429.7606 | 44:31 | 44:31 | 0 | 1.046 | 1198095 | 244298 | 20 | 50 | 12215 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:18 | 47:18 | 0 | 1.112 | 1605130 | 210813 | 25 | 62 | 8433 | | |
| 429.7606 | 47:18 | 47:18 | 0 | 1.112 | 1785345 | 235731 | 20 | 50 | 11787 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:18 | 47:18 | 0 | 1.112 | 1605130 | 210813 | 25 | 62 | 8433 | | |
| 429.7606 | 47:18 | 47:18 | 0 | 1.112 | 1785345 | 235731 | 20 | 50 | 11787 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 47:59 | 47:59 | 0 | 0.918 | 851412 | 165382 | 25 | 62 | 6615 | | |
| 429.7606 | 47:59 | 47:59 | 0 | 0.918 | 937211 | 183129 | 20 | 50 | 9156 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:11 | 48:11 | 0 | 0.921 | 899671 | 174913 | 25 | 62 | 6997 | | |
| 429.7606 | 48:11 | 48:11 | 0 | 0.921 | 1004538 | 193226 | 20 | 50 | 9661 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:29 | 49:29 | 0 | 0.946 | 1058564 | 206817 | 1356 | 3390 | 153 | | |
| 429.7606 | 49:29 | 49:29 | 0 | 0.946 | 1185044 | 229322 | 956 | 2390 | 240 | 0.89(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:51 | 51:51 | 0 | 0.991 | 1205415 | 234268 | 1356 | 3390 | 173 | | |
| 429.7606 | 51:51 | 51:51 | 0 | 0.991 | 1333337 | 256841 | 956 | 2390 | 269 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:19 | 52:19 | 0 | 1.000 | 1592190 | 300307 | 1356 | 3390 | 221 | | |
| 429.7606 | 52:19 | 52:19 | 0 | 1.000 | 1756342 | 334416 | 956 | 2390 | 350 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:15 | 49:15 | -2 | 0.950 | 2330135 | 458328 | 366 | 915 | 1252 | | |
| 475.7619 | 49:15 | 49:15 | -2 | 0.950 | 2926425 | 565883 | 320 | 800 | 1768 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:04 | 54:03 | -2 | 1.043 | 1792609 | 338727 | 366 | 915 | 925 | | |
| 475.7619 | 54:04 | 54:03 | -2 | 1.043 | 2239700 | 421362 | 320 | 800 | 1317 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:16 | 49:16 | 0 | 1.001 | 1238778 | 239399 | 855 | 2137 | 280 | | |
| 463.7216 | 49:16 | 49:16 | 0 | 1.001 | 1580176 | 307287 | 1159 | 2897 | 265 | 0.78(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:12 | 50:12 | 0 | 1.019 | 1309863 | 258773 | 855 | 2137 | 303 | | |
| 463.7216 | 50:12 | 50:12 | 0 | 1.019 | 1662023 | 326274 | 1159 | 2897 | 282 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:04 | 54:04 | 0 | 1.000 | 966408 | 182710 | 855 | 2137 | 214 | | |
| 463.7216 | 54:04 | 54:04 | 0 | 1.000 | 1237566 | 236220 | 1159 | 2897 | 204 | 0.78(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:42 | 55:42 | -2 | 1.075 | 1832296 | 322169 | 70 | 175 | 4602 | | |
| 509.7229 | 55:42 | 55:42 | -2 | 1.075 | 2615455 | 463118 | 100 | 250 | 4631 | 0.70(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:43 | 55:43 | 0 | 1.000 | 1075772 | 191575 | 32 | 80 | 5987 | | |
| 497.6826 | 55:44 | 55:43 | 1 | 1.000 | 1528649 | 270993 | 42 | 105 | 6452 | 0.70(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00006 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
CCV Relative RT Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 03-Oct-2019 22:32:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013295-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 23:53:22 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 03-Oct-2019 23:53:22

Start Cal Date: 21-Aug-2019 13:37:00
End Cal Date: 21-Aug-2019 19:05:00

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-1L | | 11:46 | 11:43 | -3 | 15 | 0.7275 | 0.7282 | 0.717 - 0.7472 |
| PCB-3L | | 13:57 | 13:52 | -5 | 15 | 0.8625 | 0.8625 | 0.849 - 0.8798 |
| PCB-1 | L | 11:47 | 11:43 | -3 | | 1.0011 | 1.0011 | 0.995 - 1.0085 |
| PCB-2 | | 13:47 | 13:42 | -5 | | 0.9878 | 0.9878 | 0.985 - 0.9925 |
| PCB-3 | L | 13:58 | 13:53 | -5 | | 1.0009 | 1.0009 | 0.998 - 1.0048 |
| PCB-4L | | 14:12 | 14:07 | -5 | 15 | 0.8779 | 0.8779 | 0.865 - 0.8956 |
| PCB-9L | | 16:11 | 16:05 | -5 | | 1.0000 | 1.0000 | 0.987 - 1.0128 |
| PCB-8L | | 17:00 | 16:55 | -5 | | 1.1969 | 1.1984 | 1.192 - 1.1989 |
| PCB-15L | | 20:06 | 19:58 | -7 | 15 | 1.2426 | 1.2424 | 1.233 - 1.2530 |
| PCB-4 | L | 14:13 | 14:08 | -5 | | 1.0009 | 1.0009 | 0.994 - 1.0058 |
| PCB-10 | | 14:23 | 14:19 | -4 | | 1.0129 | 1.0139 | 1.010 - 1.0168 |
| PCB-9 | | 16:11 | 16:06 | -5 | | 1.1400 | 1.1400 | 1.135 - 1.1415 |
| PCB-7 | | 16:22 | 16:16 | -5 | | 1.1520 | 1.1520 | 1.147 - 1.1538 |
| PCB-6 | | 16:36 | 16:30 | -5 | | 1.1686 | 1.1687 | 1.164 - 1.1706 |
| PCB-5 | | 16:55 | 16:49 | -5 | | 1.1907 | 1.1909 | 1.186 - 1.1926 |
| PCB-8 | | 17:02 | 16:56 | -5 | | 1.1990 | 1.1993 | 1.194 - 1.2008 |
| PCB-14 | | 18:40 | 18:33 | -6 | | 0.9284 | 0.9286 | 0.926 - 0.9305 |
| PCB-11 | | 19:30 | 19:23 | -6 | | 0.9700 | 0.9705 | 0.968 - 0.9725 |
| PCB-12/13 | | 19:50 | 19:42 | -7 | | 0.9863 | 0.9862 | 0.983 - 0.9875 |
| PCB-15 | L | 20:07 | 20:00 | -6 | | 1.0007 | 1.0013 | 0.997 - 1.0050 |
| PCB-19L | | 17:19 | 17:13 | -5 | 15 | 0.8416 | 0.8414 | 0.831 - 0.8547 |
| PCB-32L | | 20:34 | 20:28 | -6 | | 1.0000 | 1.0000 | 0.998 - 1.0024 |
| PCB-31L | | 22:50 | 22:43 | -7 | | 1.0000 | 1.0000 | 0.998 - 1.0022 |
| PCB-28L | | 23:08 | 23:00 | -7 | | 1.0134 | 1.0129 | 1.006 - 1.0201 |

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-37L | | 27:09 | 27:00 | -9 | 15 | 1.1889 | 1.1888 | 1.178 - 1.1995 |
| PCB-19 | L | 17:20 | 17:14 | -5 | | 1.0008 | 1.0008 | 0.996 - 1.0058 |
| PCB-18/30 | | 19:11 | 19:04 | -6 | | 1.1081 | 1.1079 | 1.104 - 1.1093 |
| PCB-17 | | 19:37 | 19:30 | -6 | | 1.1330 | 1.1330 | 1.129 - 1.1352 |
| PCB-27 | | 19:50 | 19:44 | -6 | | 1.1458 | 1.1459 | 1.141 - 1.1471 |
| PCB-24 | | 19:58 | 19:51 | -7 | | 1.1534 | 1.1527 | 1.148 - 1.1542 |
| PCB-16 | | 20:04 | 19:58 | -6 | | 1.1594 | 1.1596 | 1.156 - 1.1621 |
| PCB-32 | | 20:36 | 20:29 | -6 | | 1.1897 | 1.1900 | 1.185 - 1.1908 |
| PCB-34 | | 21:52 | 21:44 | -7 | | 1.2627 | *1.2626 | 1.257 - 1.2623 |
| PCB-23 | | 22:01 | 21:53 | -7 | | 1.2715 | 1.2715 | 1.266 - 1.2715 |
| PCB-26/29 | | 22:20 | 22:12 | -7 | | 1.2899 | 1.2900 | 1.282 - 1.2915 |
| PCB-25 | | 22:34 | 22:25 | -8 | | 0.8308 | 0.8303 | 0.829 - 0.8325 |
| PCB-31 | | 22:52 | 22:44 | -7 | | 0.8421 | 0.8421 | 0.840 - 0.8438 |
| PCB-20/28 | | 23:11 | 23:03 | -8 | | 0.8538 | 0.8534 | 0.851 - 0.8568 |
| PCB-21/33 | | 23:24 | 23:16 | -8 | | 0.8617 | 0.8614 | 0.858 - 0.8637 |
| PCB-22 | | 23:48 | 23:39 | -8 | | 0.8763 | 0.8760 | 0.875 - 0.8786 |
| PCB-36 | | 25:22 | 25:13 | -8 | | 0.9339 | 0.9340 | 0.932 - 0.9352 |
| PCB-39 | | 25:43 | 25:35 | -8 | | 0.9470 | 0.9472 | 0.945 - 0.9483 |
| PCB-38 | | 26:18 | 26:10 | -8 | | 0.9686 | 0.9689 | 0.966 - 0.9695 |
| PCB-35 | | 26:46 | 26:37 | -8 | | 0.9855 | 0.9859 | 0.984 - 0.9875 |
| PCB-37 | L | 27:10 | 27:02 | -8 | | 1.0005 | 1.0009 | 0.999 - 1.0024 |
| PCB-54L | | 20:24 | 20:17 | -6 | 15 | 0.8167 | 0.8167 | 0.811 - 0.8247 |
| PCB-52L | | 24:59 | 24:50 | -8 | | 1.0000 | 1.0000 | 0.992 - 1.0083 |
| PCB-79L | | 32:54 | 32:45 | -9 | | 0.9704 | 0.9706 | 0.969 - 0.9718 |
| PCB-81L | | 33:55 | 33:45 | -10 | 15 | 1.3581 | 1.3587 | 1.351 - 1.3641 |
| PCB-77L | | 34:29 | 34:18 | -10 | 15 | 1.3806 | 1.3813 | 1.373 - 1.3867 |
| PCB-54 | L | 20:26 | 20:18 | -7 | | 1.0000 | 1.0000 | 0.996 - 1.0041 |
| PCB-50/53 | | 22:37 | 22:28 | -8 | | 1.1084 | 1.1077 | 1.102 - 1.1106 |
| PCB-45/51 | | 23:20 | 23:13 | -7 | | 1.1440 | 1.1441 | 1.137 - 1.1453 |
| PCB-46 | | 23:34 | 23:26 | -7 | | 1.1552 | 1.1554 | 1.153 - 1.1576 |
| PCB-52 | | 25:00 | 24:52 | -8 | | 1.2257 | 1.2257 | 1.222 - 1.2263 |
| PCB-43/73 | | 25:09 | 25:00 | -8 | | 1.2326 | 1.2326 | 1.230 - 1.2346 |
| PCB-49/69 | | 25:28 | 25:19 | -8 | | 1.2482 | 1.2483 | 1.242 - 1.2499 |
| PCB-48 | | 25:47 | 25:39 | -8 | | 1.2638 | *1.2639 | 1.259 - 1.2636 |
| PCB-44/47/65 | | 26:01 | 25:53 | -8 | | 1.2756 | 1.2759 | 1.269 - 1.2770 |
| PCB-59/62/75 | | 26:19 | 26:11 | -8 | | 1.2900 | 1.2903 | 1.284 - 1.2919 |
| PCB-42 | | 26:32 | 26:24 | -8 | | 1.3006 | *1.3010 | 1.296 - 1.3007 |
| PCB-40/41/71 | | 27:02 | 26:53 | -9 | | 1.3249 | 1.3248 | 1.317 - 1.3250 |
| PCB-64 | | 27:15 | 27:06 | -9 | | 1.3355 | 1.3355 | 1.331 - 1.3355 |
| PCB-72 | | 28:05 | 27:56 | -9 | | 0.8278 | 0.8276 | 0.826 - 0.8291 |
| PCB-68 | | 28:22 | 28:13 | -9 | | 0.8365 | 0.8363 | 0.835 - 0.8375 |
| PCB-57 | | 28:48 | 28:38 | -9 | | 0.8488 | 0.8484 | 0.847 - 0.8500 |
| PCB-58 | | 29:01 | 28:52 | -8 | | 0.8556 | 0.8556 | 0.854 - 0.8574 |
| PCB-67 | | 29:12 | 29:02 | -9 | | 0.8609 | 0.8605 | 0.859 - 0.8620 |
| PCB-63 | | 29:28 | 29:18 | -9 | | 0.8687 | 0.8684 | 0.866 - 0.8694 |
| PCB-61/70/74/76 | | 29:48 | 29:38 | -9 | | 0.8785 | 0.8782 | 0.875 - 0.8810 |

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-66 | | 30:07 | 29:58 | -8 | | 0.8879 | 0.8880 | 0.886 - 0.8894 |
| PCB-55 | | 30:17 | 30:08 | -8 | | 0.8927 | 0.8929 | 0.891 - 0.8943 |
| PCB-56 | | 30:47 | 30:38 | -9 | | 0.9077 | 0.9076 | 0.907 - 0.9098 |
| PCB-60 | | 31:00 | 30:51 | -9 | | 0.9141 | 0.9140 | 0.913 - 0.9158 |
| PCB-80 | | 31:26 | 31:16 | -9 | | 0.9265 | 0.9265 | 0.924 - 0.9268 |
| PCB-79 | | 32:57 | 32:47 | -10 | | 0.9715 | 0.9713 | 0.970 - 0.9726 |
| PCB-78 | | 33:30 | 33:20 | -9 | | 0.9876 | 0.9879 | 0.986 - 0.9890 |
| PCB-81 | T | 33:57 | 33:46 | -10 | | 1.0007 | 1.0008 | 0.999 - 1.0020 |
| PCB-77 | T/L | 34:30 | 34:20 | -10 | | 1.0007 | 1.0007 | 0.999 - 1.0019 |
| PCB-104L | | 25:56 | 25:48 | -8 | 15 | 0.8139 | 0.8140 | 0.810 - 0.8199 |
| PCB-95L | | 28:53 | 28:45 | -8 | | 1.1143 | 1.1145 | 1.112 - 1.1179 |
| PCB-101L | | 31:52 | 31:41 | -10 | | 1.0000 | 1.0000 | 0.994 - 1.0065 |
| PCB-111L | | 34:32 | 34:22 | -9 | | 1.0847 | 1.0848 | 1.079 - 1.0891 |
| PCB-123L | | 36:30 | 36:20 | -10 | 15 | 1.1459 | 1.1467 | 1.141 - 1.1511 |
| PCB-118L | | 36:50 | 36:40 | -10 | 15 | 1.1562 | 1.1571 | 1.151 - 1.1614 |
| PCB-114L | | 37:21 | 37:11 | -10 | 15 | 1.1726 | 1.1736 | 1.168 - 1.1780 |
| PCB-105L | | 38:00 | 37:50 | -10 | 15 | 1.1927 | 1.1938 | 1.188 - 1.1989 |
| PCB-127L | | 39:29 | 39:18 | -11 | | 1.0000 | 1.0000 | 0.995 - 1.0053 |
| PCB-126L | | 41:06 | 40:55 | -11 | 15 | 1.2900 | 1.2912 | 1.285 - 1.2956 |
| PCB-104 | L | 25:57 | 25:49 | -8 | | 1.0010 | 1.0010 | 0.998 - 1.0039 |
| PCB-96 | | 26:19 | 26:11 | -8 | | 1.0147 | 1.0148 | 1.013 - 1.0195 |
| PCB-103 | | 28:16 | 28:07 | -9 | | 1.0903 | 1.0898 | 1.087 - 1.0912 |
| PCB-94 | | 28:29 | 28:20 | -8 | | 1.0986 | 1.0987 | 1.097 - 1.1003 |
| PCB-95 | | 28:55 | 28:46 | -8 | | 1.1153 | 1.1155 | 1.113 - 1.1193 |
| PCB-93/100 | | 29:09 | 29:00 | -8 | | 1.1242 | 1.1244 | 1.120 - 1.1267 |
| PCB-98/102 | | 29:18 | 29:08 | -9 | | 1.1300 | 1.1298 | 1.127 - 1.1336 |
| PCB-88/91 | | 29:48 | 29:38 | -9 | | 1.1492 | 1.1490 | 1.143 - 1.1505 |
| PCB-84 | | 30:00 | 29:51 | -8 | | 1.1570 | 1.1574 | 1.157 - 1.1603 |
| PCB-89 | | 30:29 | 30:20 | -8 | | 1.1757 | 1.1762 | 1.175 - 1.1786 |
| PCB-121 | | 30:55 | 30:45 | -9 | | 1.1924 | *1.1925 | 1.188 - 1.1922 |
| PCB-92 | | 31:17 | 31:08 | -9 | | 0.8570 | 0.8566 | 0.856 - 0.8589 |
| PCB-90/101/113 | | 31:52 | 31:42 | -10 | | 1.2292 | 1.2290 | 1.224 - 1.2307 |
| PCB-83/99 | | 32:27 | 32:18 | -9 | | 1.2517 | 1.2522 | 1.245 - 1.2525 |
| PCB-112 | | 32:34 | 32:25 | -9 | | 1.2561 | 1.2566 | 1.254 - 1.2574 |
| PCB-86/87/97/109/119/125 | | 32:57 | 32:47 | -10 | | 1.2709 | 1.2709 | 1.265 - 1.2756 |
| PCB-85/116/117 | | 33:41 | 33:31 | -9 | | 1.2988 | 1.2995 | 1.293 - 1.3007 |
| PCB-110/115 | | 33:56 | 33:46 | -10 | | 1.3086 | 1.3089 | 1.303 - 1.3092 |
| PCB-82 | | 34:10 | 34:00 | -9 | | 1.3175 | 1.3183 | 1.316 - 1.3194 |
| PCB-111 | | 34:34 | 34:24 | -10 | | 1.3332 | *1.3336 | 1.329 - 1.3330 |
| PCB-120 | | 35:02 | 34:51 | -10 | | 1.3508 | 1.3514 | 1.348 - 1.3514 |
| PCB-108/124 | | 36:10 | 36:00 | -10 | | 1.3948 | 1.3956 | 1.390 - 1.3967 |
| PCB-107 | | 36:25 | 36:15 | -10 | | 1.4044 | *1.4052 | 1.401 - 1.4049 |
| PCB-123 | T | 36:32 | 36:22 | -10 | | 1.0007 | 1.0007 | 1.000 - 1.0023 |
| PCB-106 | | 36:38 | 36:28 | -10 | | 1.0036 | 1.0036 | 1.003 - 1.0057 |
| PCB-118 | T | 36:51 | 36:40 | -10 | | 1.0004 | 1.0004 | 0.999 - 1.0019 |
| PCB-122 | | 37:12 | 37:02 | -10 | | 1.0099 | 1.0100 | 1.009 - 1.0117 |

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-114 | T | 37:23 | 37:13 | -10 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-105 | T | 38:01 | 37:51 | -10 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-127 | | 39:31 | 39:20 | -11 | | 1.0399 | 1.0398 | 1.037 - 1.0399 |
| PCB-126 | T/L | 41:07 | 40:56 | -10 | | 1.0003 | 1.0006 | 1.000 - 1.0016 |
| PCB-155L | | 31:39 | 31:28 | -10 | 15 | 0.7919 | 0.7912 | 0.787 - 0.7951 |
| PCB-153L | | 38:42 | 38:33 | -9 | | 0.9008 | 0.9007 | 0.899 - 0.9028 |
| PCB-138L | | 39:58 | 39:46 | -11 | | 1.0000 | 1.0000 | 0.979 - 1.0208 |
| PCB-167L | | 42:59 | 42:48 | -10 | 15 | 1.0756 | 1.0760 | 1.071 - 1.0792 |
| PCB-156L/157L | | 44:08 | 43:56 | -11 | 15 | 1.1043 | 1.1046 | 1.100 - 1.1084 |
| PCB-169L | | 47:21 | 47:11 | -10 | 15 | 1.1851 | 1.1861 | 1.184 - 1.1864 |
| PCB-155 | L | 31:39 | 31:30 | -9 | | 1.0004 | 1.0008 | 0.998 - 1.0031 |
| PCB-152 | | 31:51 | 31:41 | -9 | | 1.0064 | 1.0069 | 1.006 - 1.0096 |
| PCB-150 | | 32:01 | 31:51 | -9 | | 1.0117 | 1.0121 | 1.011 - 1.0144 |
| PCB-136 | | 32:22 | 32:12 | -9 | | 1.0229 | *1.0234 | 1.024 - 1.0268 |
| PCB-145 | | 32:40 | 32:31 | -9 | | 1.0326 | 1.0332 | 1.033 - 1.0358 |
| PCB-148 | | 34:12 | 34:02 | -10 | | 1.0808 | 1.0813 | 1.080 - 1.0830 |
| PCB-135/151 | | 34:46 | 34:40 | -6 | | 1.0989 | 1.1015 | 1.099 - 1.1038 |
| PCB-154 | | 35:03 | 34:53 | -10 | | 1.1078 | 1.1084 | 1.106 - 1.1107 |
| PCB-144 | | 35:21 | 35:10 | -10 | | 1.1170 | 1.1177 | 1.117 - 1.1199 |
| PCB-147/149 | | 35:43 | 35:32 | -10 | | 1.1286 | 1.1293 | 1.127 - 1.1326 |
| PCB-134/143 | | 36:01 | 35:50 | -10 | | 1.1381 | 1.1388 | 1.136 - 1.1409 |
| PCB-139/140 | | 36:19 | 36:08 | -10 | | 1.1476 | 1.1484 | 1.146 - 1.1515 |
| PCB-131 | | 36:30 | 36:21 | -9 | | 1.1538 | 1.1550 | 1.154 - 1.1571 |
| PCB-142 | | 36:40 | 36:29 | -10 | | 1.1587 | 1.1596 | 1.159 - 1.1621 |
| PCB-132 | | 36:58 | 36:48 | -10 | | 1.1682 | 1.1692 | 1.168 - 1.1728 |
| PCB-133 | | 37:29 | 37:18 | -10 | | 1.1843 | 1.1854 | 1.184 - 1.1872 |
| PCB-165 | | 37:53 | 37:42 | -10 | | 0.8814 | 0.8811 | 0.880 - 0.8825 |
| PCB-146 | | 38:08 | 37:57 | -10 | | 0.8872 | 0.8869 | 0.886 - 0.8882 |
| PCB-161 | | 38:16 | 38:05 | -10 | | 0.8902 | 0.8900 | 0.889 - 0.8914 |
| PCB-153/168 | | 38:47 | 38:36 | -11 | | 0.9024 | 0.9019 | 0.900 - 0.9040 |
| PCB-141 | | 38:56 | 38:45 | -11 | | 0.9060 | 0.9056 | 0.905 - 0.9075 |
| PCB-130 | | 39:21 | 39:10 | -11 | | 0.9154 | 0.9150 | 0.915 - 0.9172 |
| PCB-137 | | 39:34 | 39:23 | -11 | | 0.9206 | 0.9202 | 0.920 - 0.9224 |
| PCB-164 | | 39:41 | 39:30 | -11 | | 0.9233 | 0.9230 | 0.923 - 0.9252 |
| PCB-129/138/160/163 | | 40:00 | 39:49 | -11 | | 0.9307 | 0.9303 | 0.930 - 0.9349 |
| PCB-158 | | 40:23 | 40:12 | -11 | | 0.9395 | 0.9392 | 0.939 - 0.9409 |
| PCB-128/166 | | 41:14 | 41:03 | -11 | | 0.9592 | 0.9590 | 0.958 - 0.9617 |
| PCB-159 | | 42:14 | 42:03 | -10 | | 0.9827 | 0.9826 | 0.982 - 0.9839 |
| PCB-162 | | 42:31 | 42:20 | -10 | | 0.9894 | 0.9893 | 0.988 - 0.9907 |
| PCB-167 | T | 43:00 | 42:49 | -11 | | 1.0006 | 1.0003 | 0.999 - 1.0016 |
| PCB-156/157 | T | 44:08 | 43:58 | -10 | | 1.0003 | 1.0006 | 0.999 - 1.0025 |
| PCB-169 | T/L | 47:23 | 47:11 | -11 | | 1.0006 | 1.0003 | 0.999 - 1.0015 |
| PCB-188L | | 37:22 | 37:12 | -10 | 15 | 0.8208 | 0.8203 | 0.817 - 0.8243 |
| PCB-178L | | 40:24 | 40:15 | -9 | | 0.8877 | 0.8875 | 0.884 - 0.8916 |
| PCB-180L | | 45:32 | 45:21 | -10 | | 1.0000 | 1.0000 | 0.996 - 1.0037 |
| PCB-170L | | 46:47 | 46:35 | -11 | 15 | 1.0276 | 1.0274 | 1.024 - 1.0317 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-189L | | 49:54 | 49:42 | -11 | 15 | 1.0962 | 1.0962 | 1.093 - 1.1000 |
| PCB-188 | L | 37:24 | 37:13 | -10 | | 1.0007 | 1.0007 | 1.000 - 1.0022 |
| PCB-179 | | 37:43 | 37:33 | -10 | | 1.0094 | 1.0095 | 1.009 - 1.0115 |
| PCB-184 | | 38:16 | 38:05 | -10 | | 1.0238 | 1.0239 | 1.023 - 1.0254 |
| PCB-176 | | 38:37 | 38:26 | -11 | | 1.0332 | 1.0331 | 1.033 - 1.0351 |
| PCB-186 | | 39:04 | 38:53 | -11 | | 1.0455 | 1.0454 | 1.045 - 1.0476 |
| PCB-178 | | 40:27 | 40:16 | -10 | | 1.0822 | 1.0826 | 1.081 - 1.0837 |
| PCB-175 | | 41:05 | 40:54 | -11 | | 1.0994 | 1.0995 | 1.098 - 1.1008 |
| PCB-187 | | 41:21 | 41:10 | -11 | | 1.1067 | 1.1069 | 1.106 - 1.1082 |
| PCB-182 | | 41:34 | 41:23 | -11 | | 1.1123 | 1.1125 | 1.111 - 1.1137 |
| PCB-183/185 | | 41:58 | 41:47 | -10 | | 1.1231 | 1.1234 | 1.123 - 1.1260 |
| PCB-174 | | 42:12 | 42:01 | -10 | | 1.1294 | 1.1298 | 1.129 - 1.1313 |
| PCB-177 | | 42:38 | 42:27 | -10 | | 1.1410 | 1.1414 | 1.140 - 1.1430 |
| PCB-181 | | 43:02 | 42:51 | -10 | | 1.1515 | 1.1519 | 1.151 - 1.1535 |
| PCB-171/173 | | 43:15 | 43:04 | -10 | | 1.1574 | 1.1579 | 1.156 - 1.1602 |
| PCB-172 | | 44:54 | 44:43 | -10 | | 0.8997 | 0.8996 | 0.899 - 0.9008 |
| PCB-192 | | 45:10 | 44:59 | -10 | | 0.9052 | 0.9051 | 0.904 - 0.9060 |
| PCB-180/193 | | 45:30 | 45:19 | -10 | | 0.9117 | 0.9117 | 0.911 - 0.9130 |
| PCB-191 | | 45:54 | 45:43 | -11 | | 0.9198 | 0.9196 | 0.919 - 0.9209 |
| PCB-170 | | 46:48 | 46:37 | -11 | | 0.9379 | 0.9377 | 0.937 - 0.9392 |
| PCB-190 | | 47:20 | 47:08 | -11 | | 0.9484 | 0.9483 | 0.948 - 0.9496 |
| PCB-189 | T/L | 49:55 | 49:44 | -11 | | 1.0003 | 1.0005 | 0.999 - 1.0013 |
| PCB-202L | | 42:45 | 42:34 | -10 | 15 | 0.8215 | 0.8213 | 0.819 - 0.8249 |
| PCB-194L | | 52:02 | 51:49 | -12 | | 1.0000 | 1.0000 | 0.996 - 1.0040 |
| PCB-205L | | 52:29 | 52:17 | -11 | 15 | 1.0088 | 1.0091 | 1.004 - 1.0138 |
| PCB-202 | L | 42:46 | 42:35 | -10 | | 1.0006 | 1.0006 | 0.999 - 1.0027 |
| PCB-201 | | 43:42 | 43:31 | -10 | | 1.0223 | 1.0224 | 1.020 - 1.0237 |
| PCB-204 | | 44:23 | 44:12 | -10 | | 1.0382 | 1.0384 | 1.036 - 1.0388 |
| PCB-197 | | 44:36 | 44:25 | -10 | | 1.0434 | 1.0436 | 1.042 - 1.0445 |
| PCB-200 | | 44:42 | 44:31 | -10 | | 1.0459 | 1.0461 | 1.045 - 1.0473 |
| PCB-198/199 | | 47:30 | 47:18 | -11 | | 1.1113 | 1.1115 | 1.109 - 1.1132 |
| PCB-196 | | 48:11 | 47:59 | -11 | | 0.9179 | 0.9177 | 0.917 - 0.9189 |
| PCB-203 | | 48:22 | 48:11 | -11 | | 0.9217 | 0.9214 | 0.921 - 0.9226 |
| PCB-195 | | 49:41 | 49:29 | -11 | | 0.9467 | 0.9465 | 0.946 - 0.9481 |
| PCB-194 | | 52:02 | 51:51 | -11 | | 0.9915 | 0.9915 | 0.991 - 0.9926 |
| PCB-205 | L | 52:31 | 52:19 | -11 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-208L | | 49:26 | 49:15 | -11 | 15 | 0.9501 | 0.9504 | 0.947 - 0.9534 |
| PCB-206L | | 54:15 | 54:04 | -11 | 15 | 1.0428 | 1.0432 | 1.038 - 1.0472 |
| PCB-208 | L | 49:28 | 49:16 | -11 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-207 | | 50:24 | 50:12 | -11 | | 1.0196 | 1.0194 | 1.019 - 1.0205 |
| PCB-206 | L | 54:17 | 54:04 | -12 | | 1.0005 | 1.0002 | 1.000 - 1.0015 |
| PCB-209L | | 55:54 | 55:42 | -12 | 15 | 1.0746 | 1.0749 | 1.069 - 1.0784 |
| DCB Decachlorobiphenyl | L | 55:56 | 55:43 | -13 | | 1.0005 | 1.0002 | 0.999 - 1.0012 |

Eurofins TestAmerica, Knoxville

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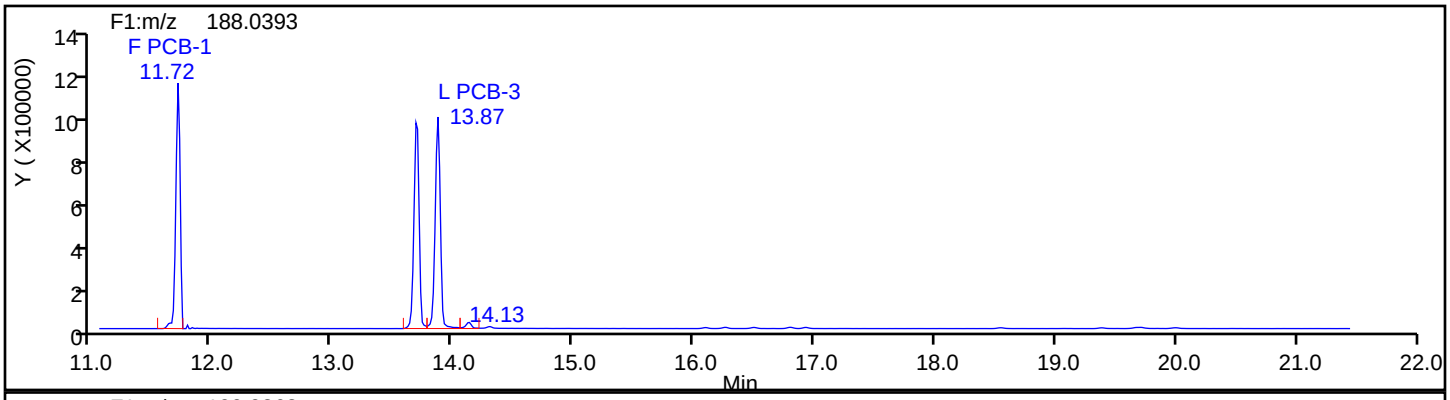
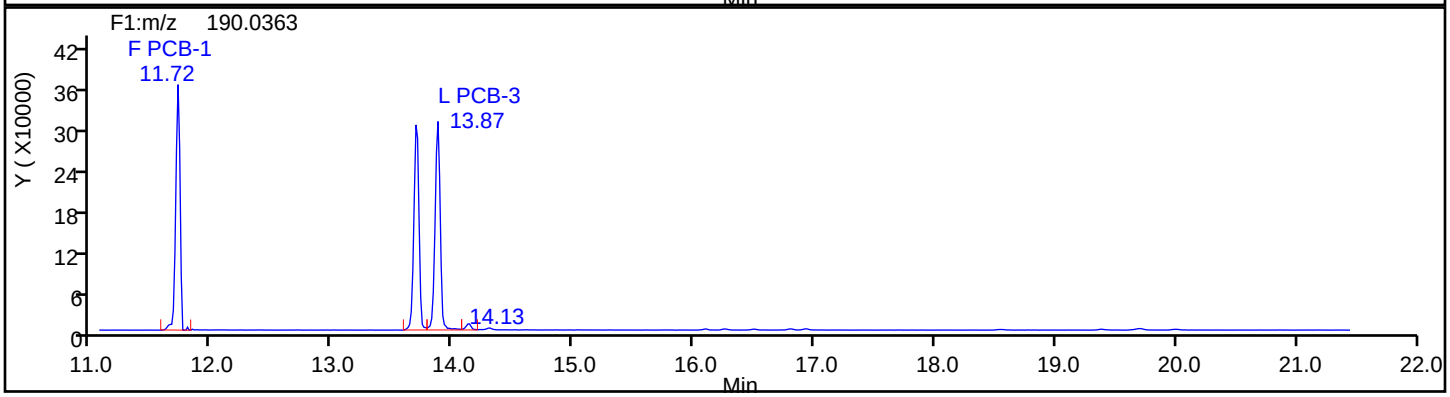
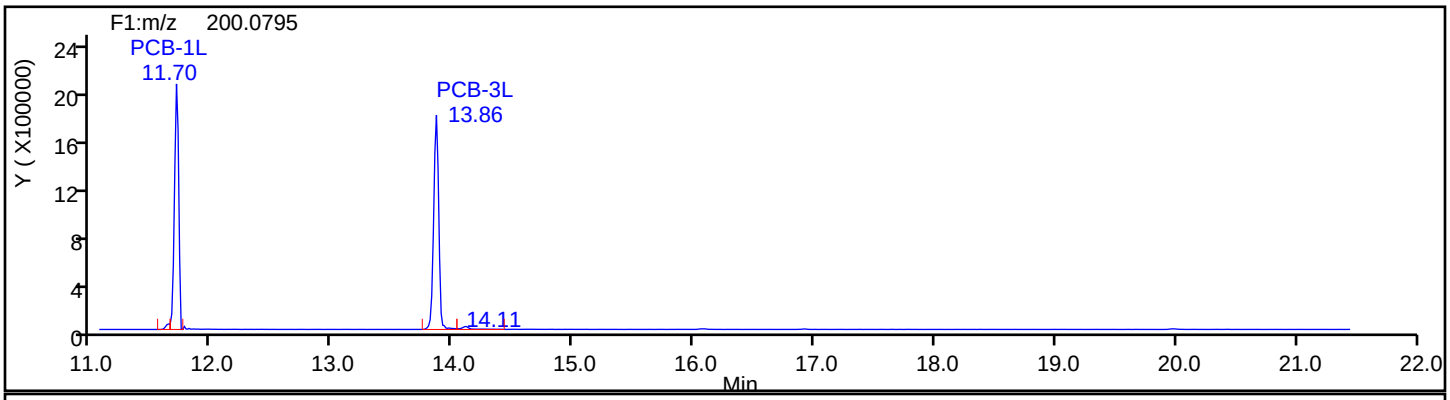
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

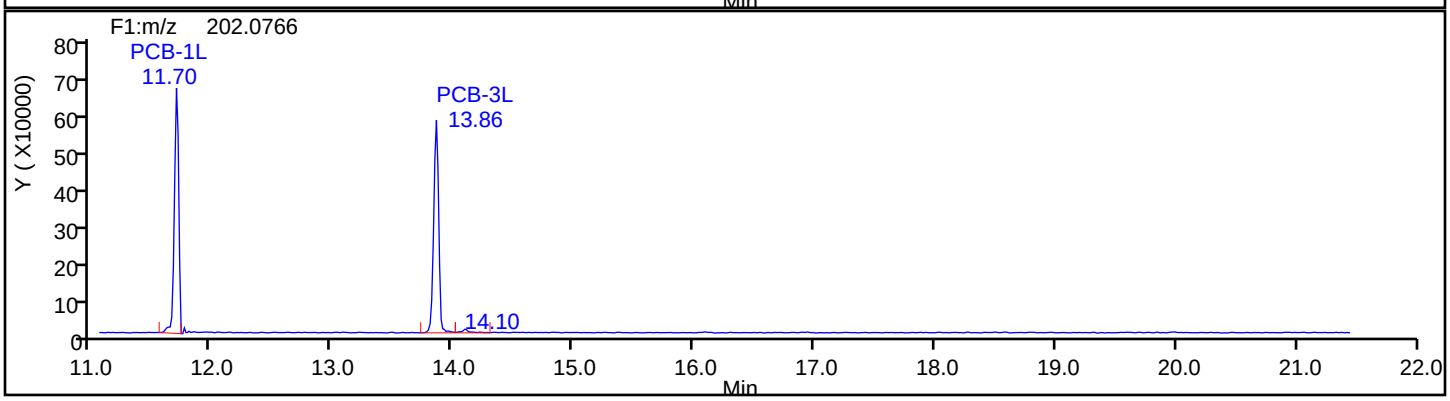
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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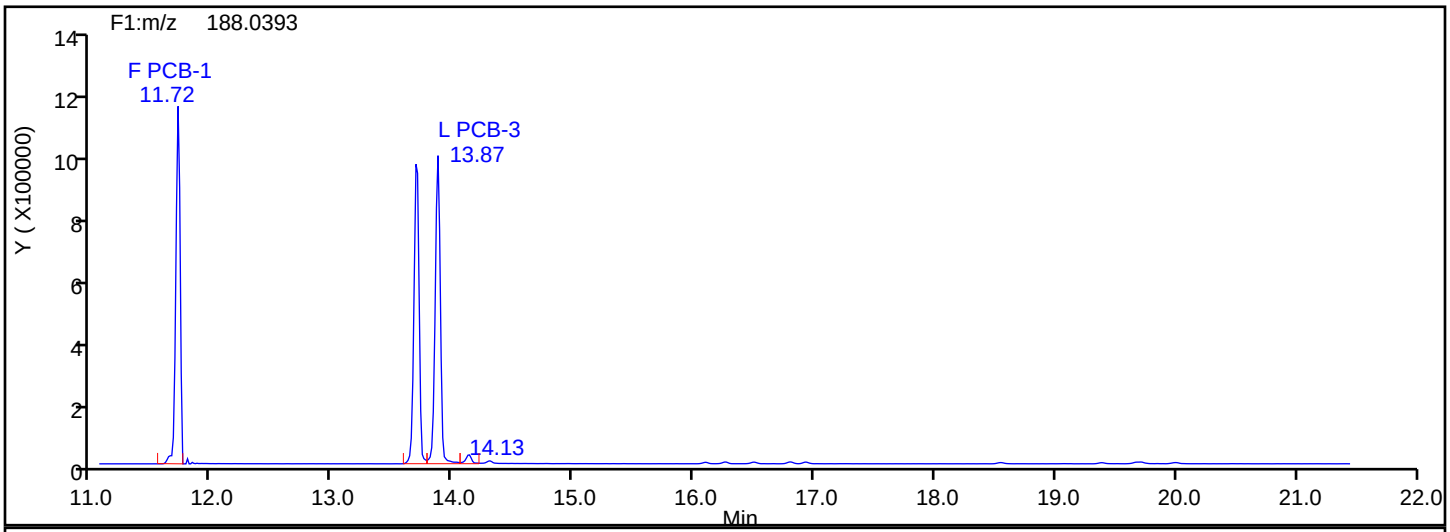
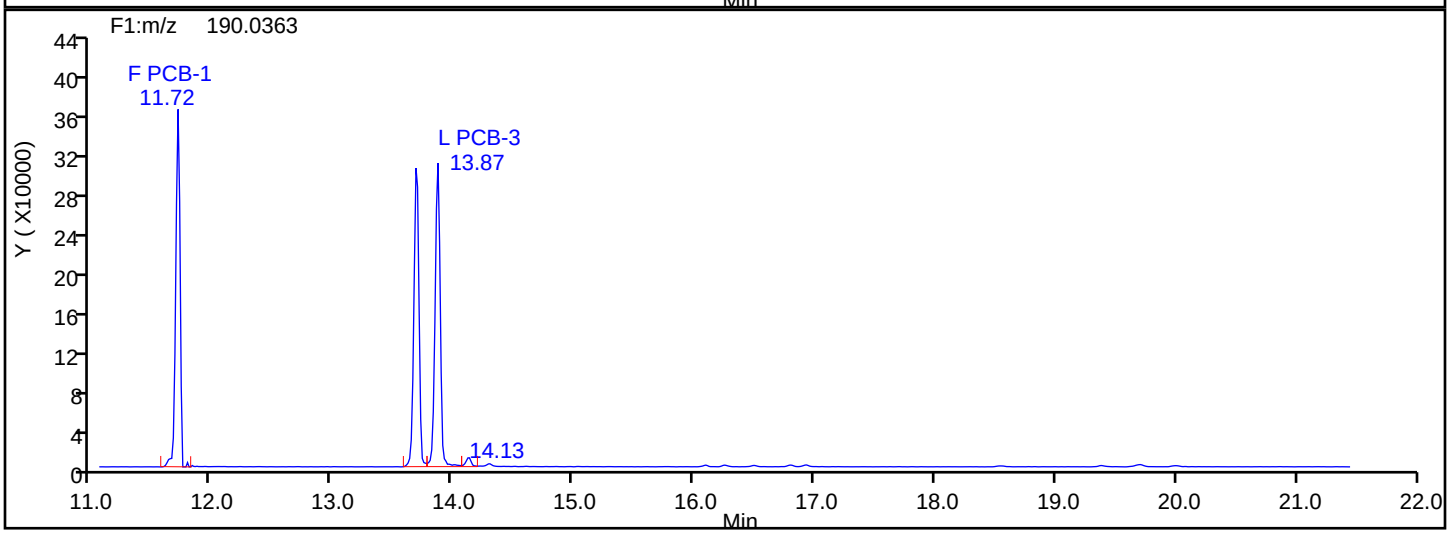
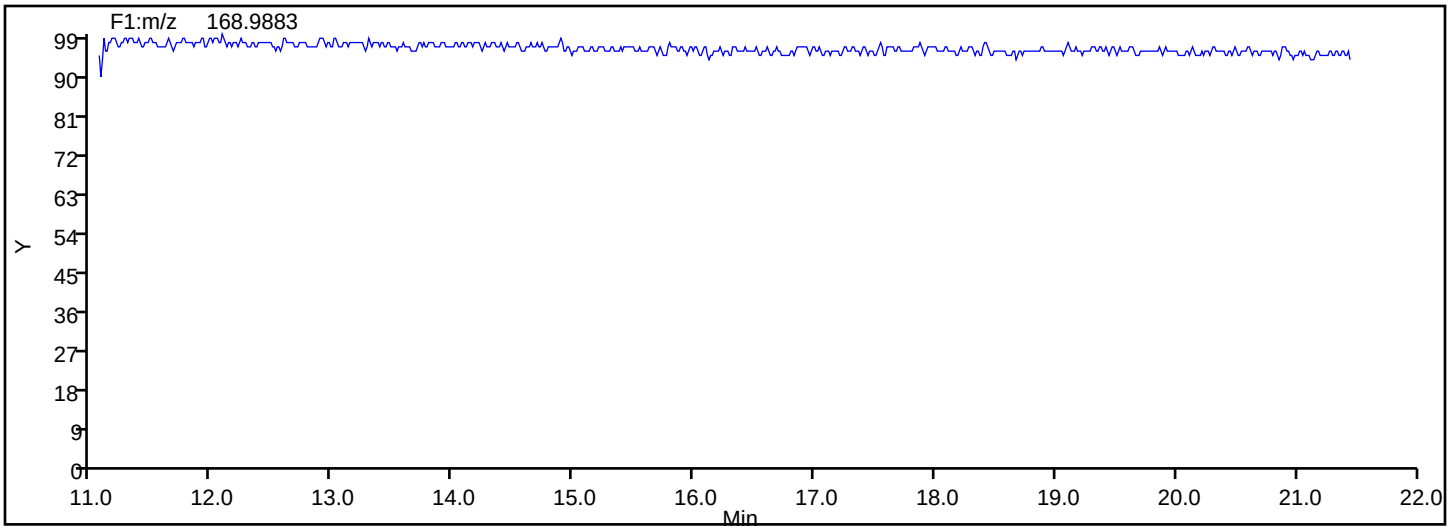
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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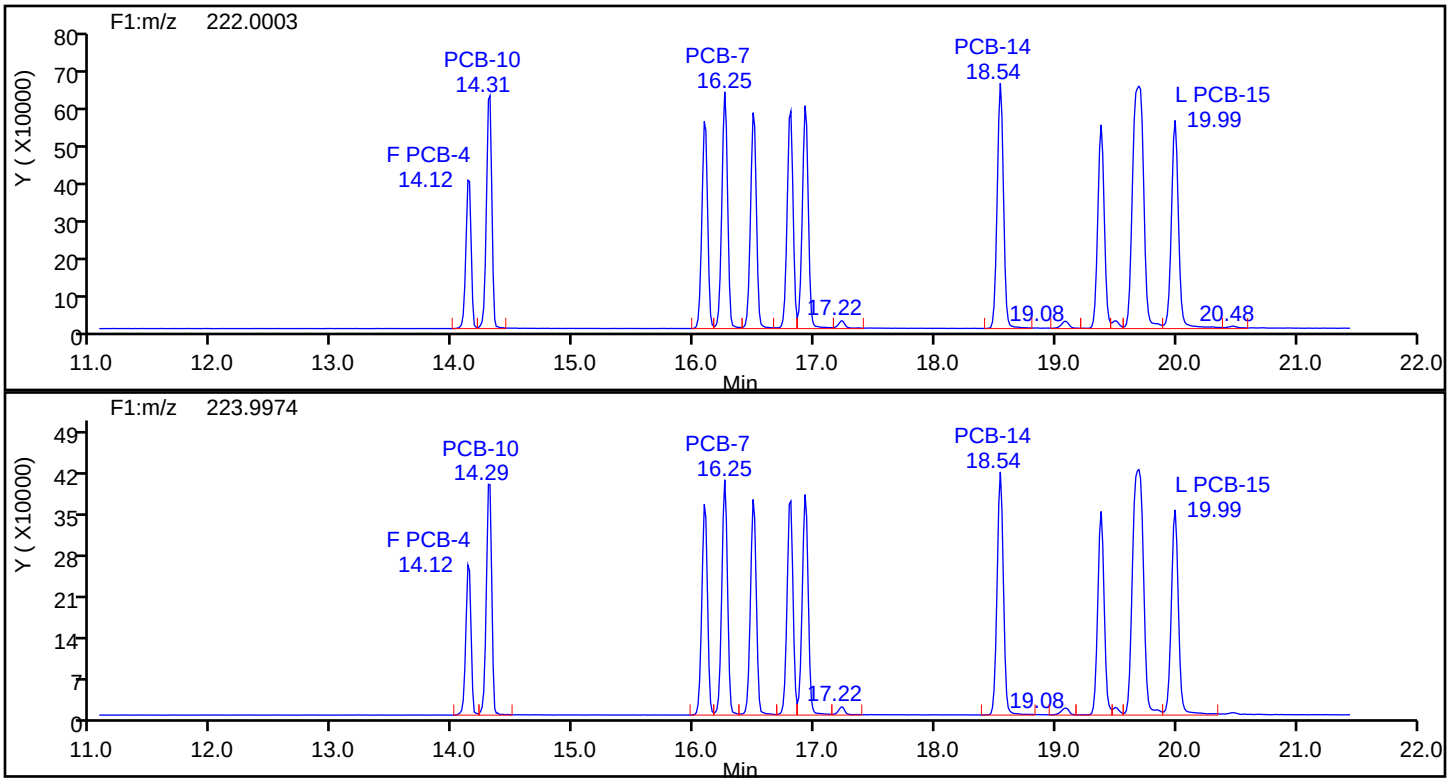
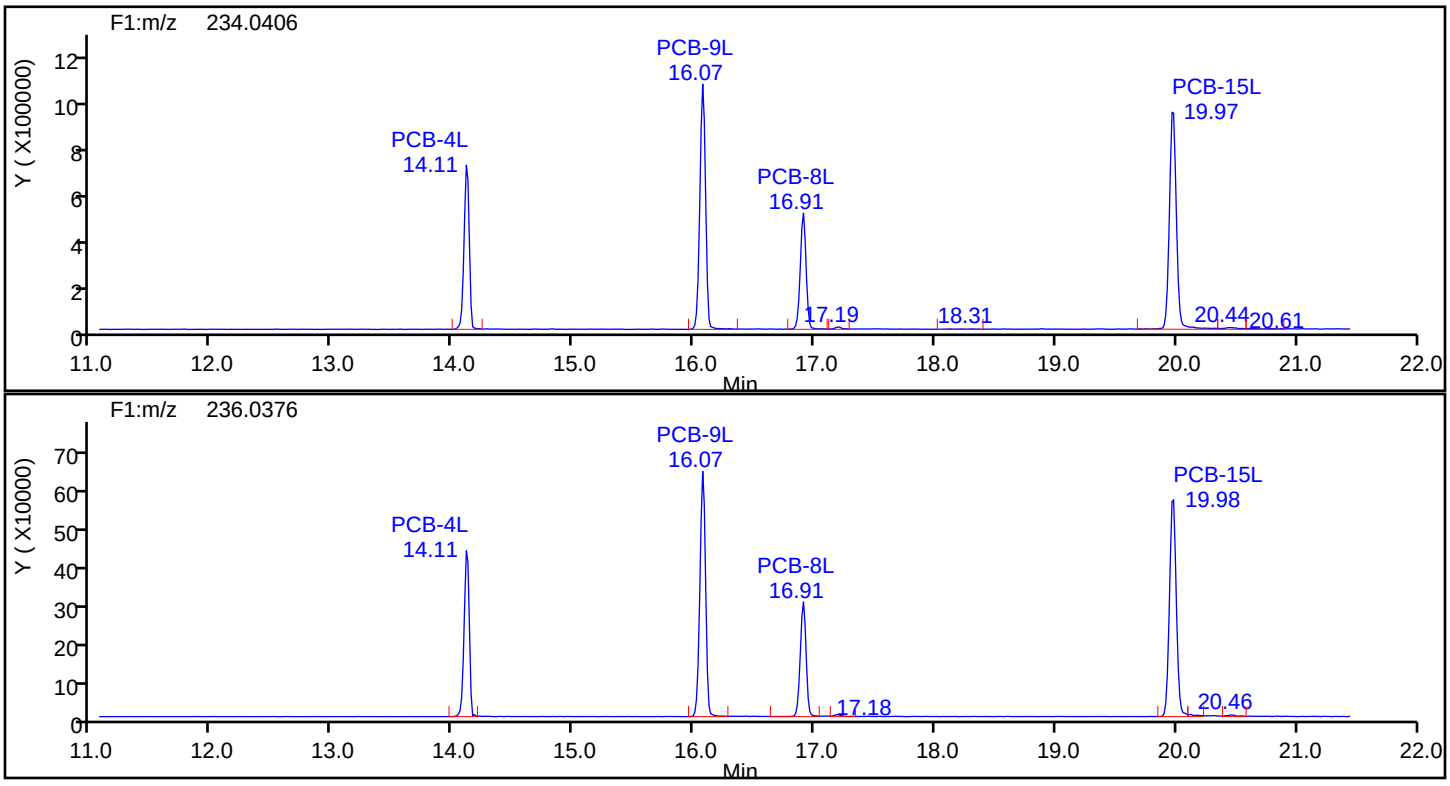
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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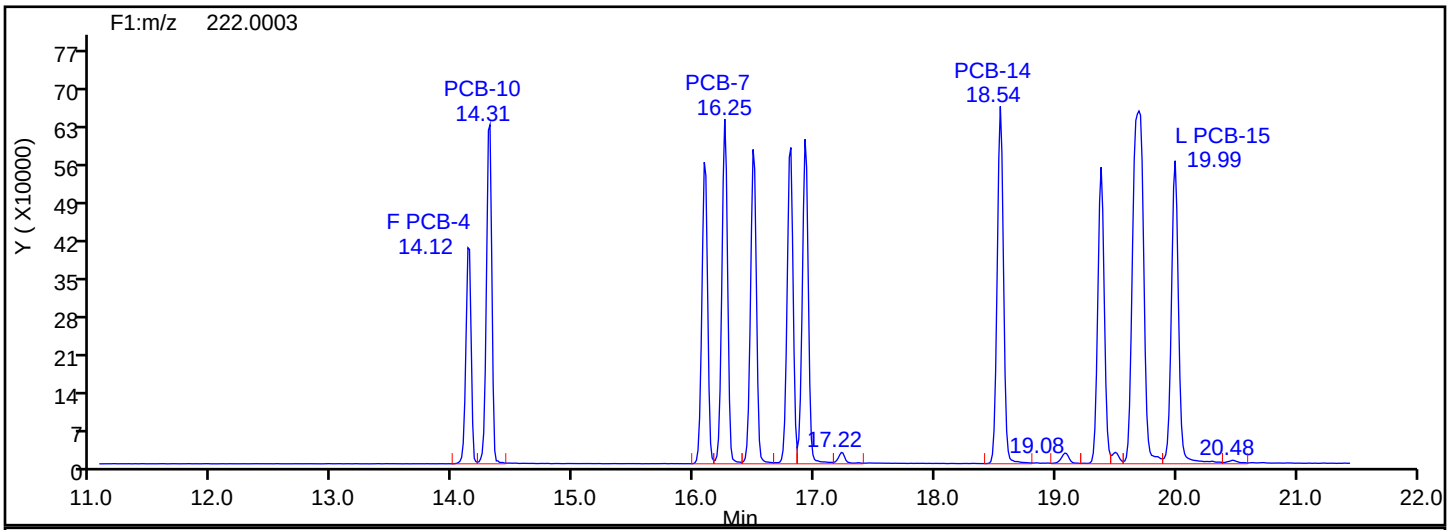
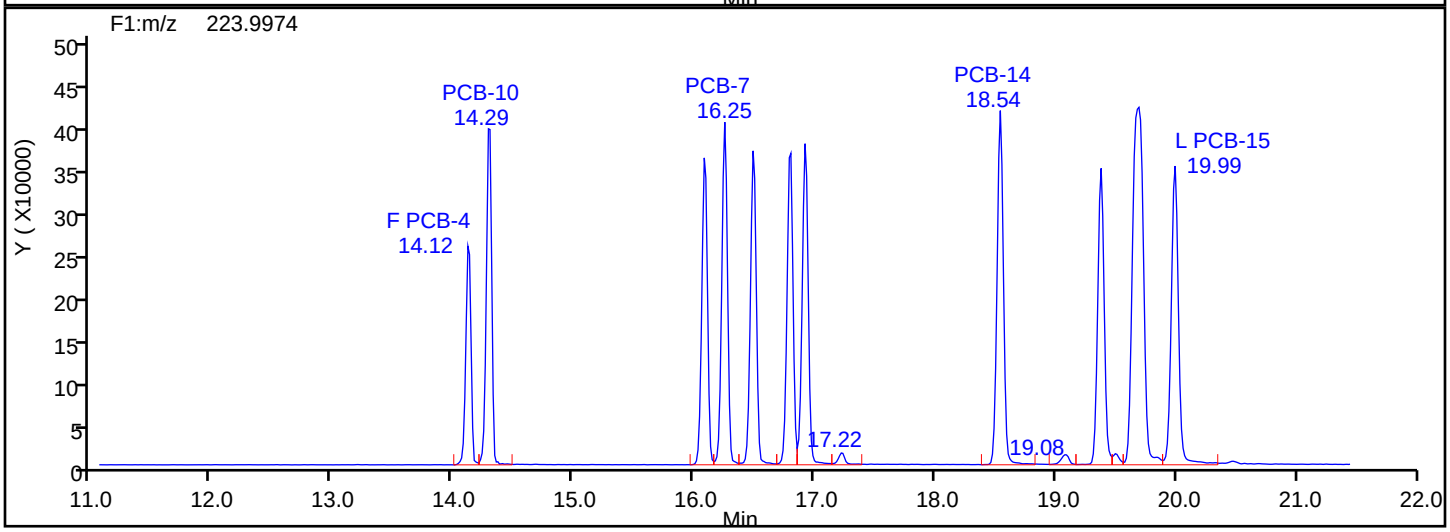
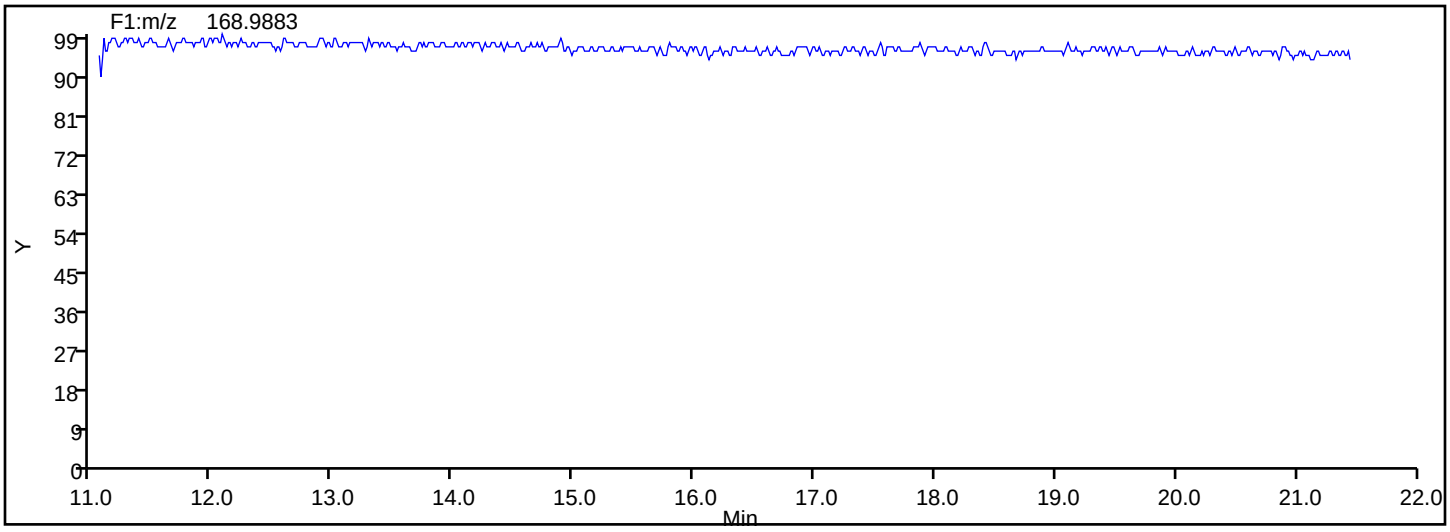
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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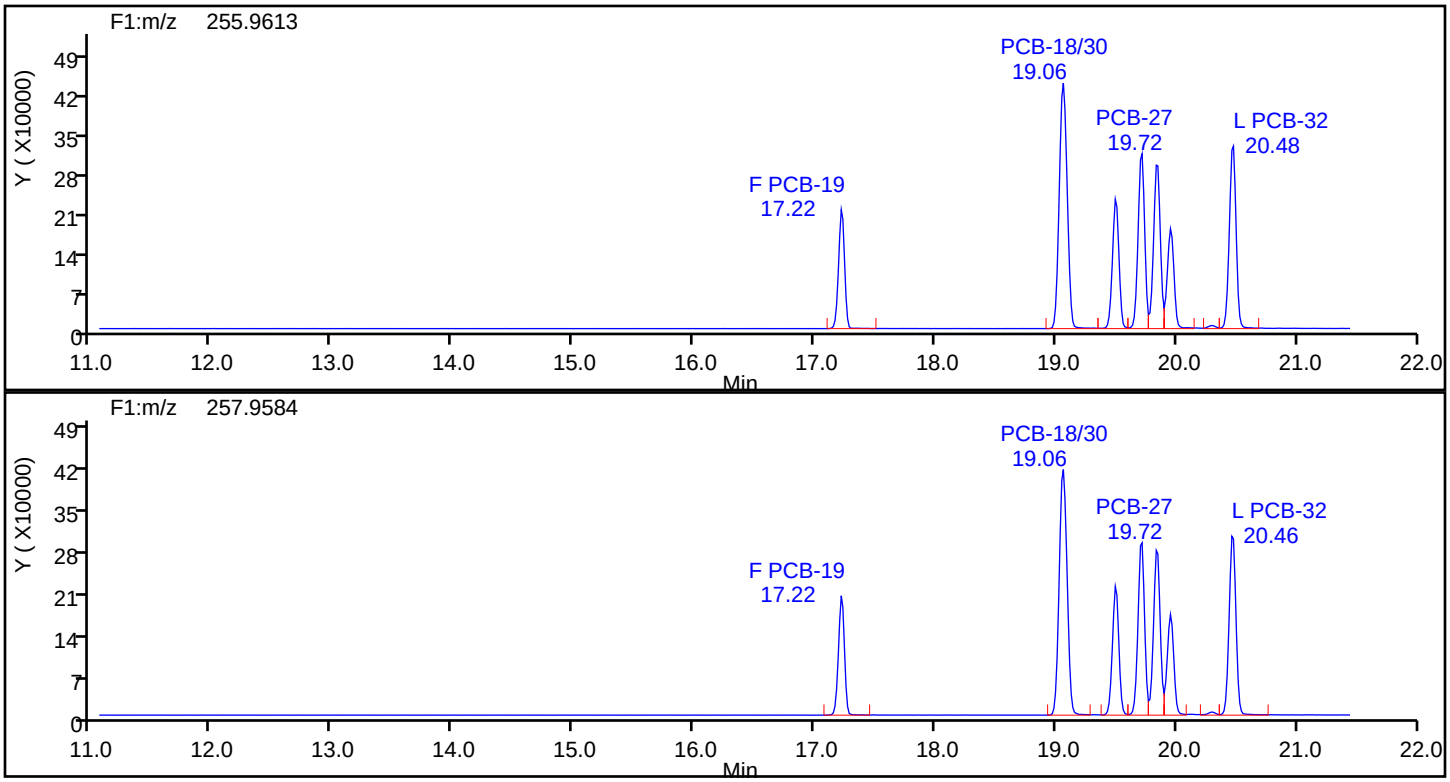
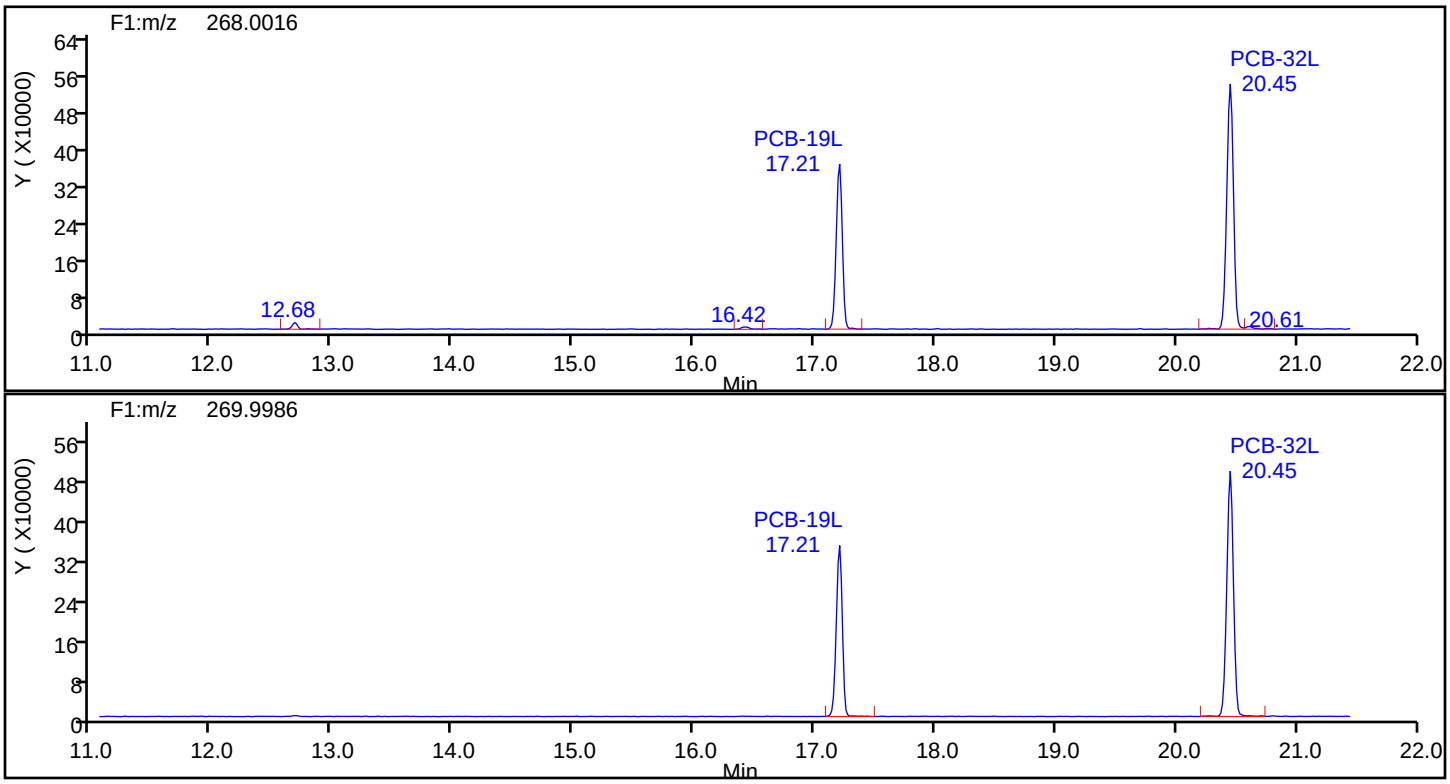
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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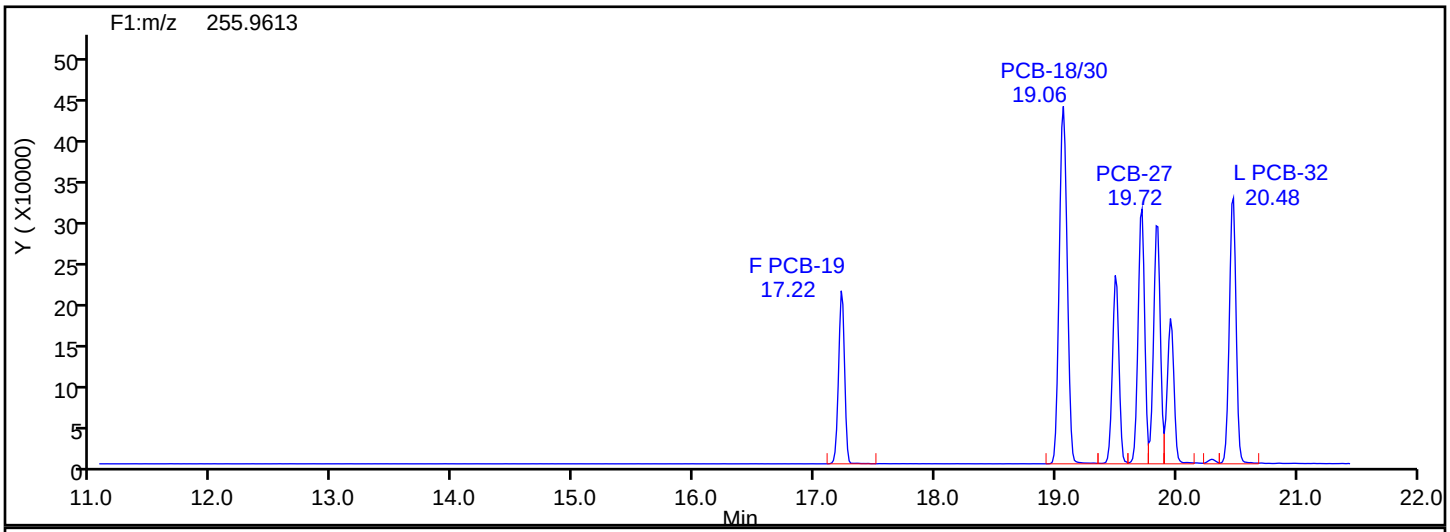
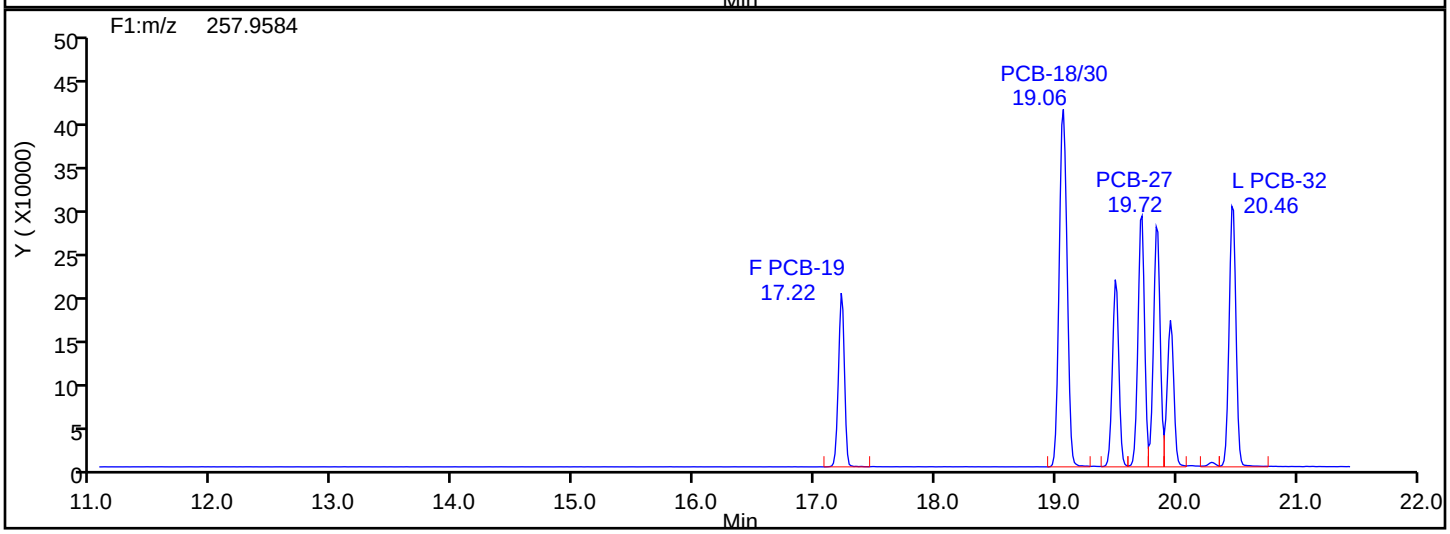
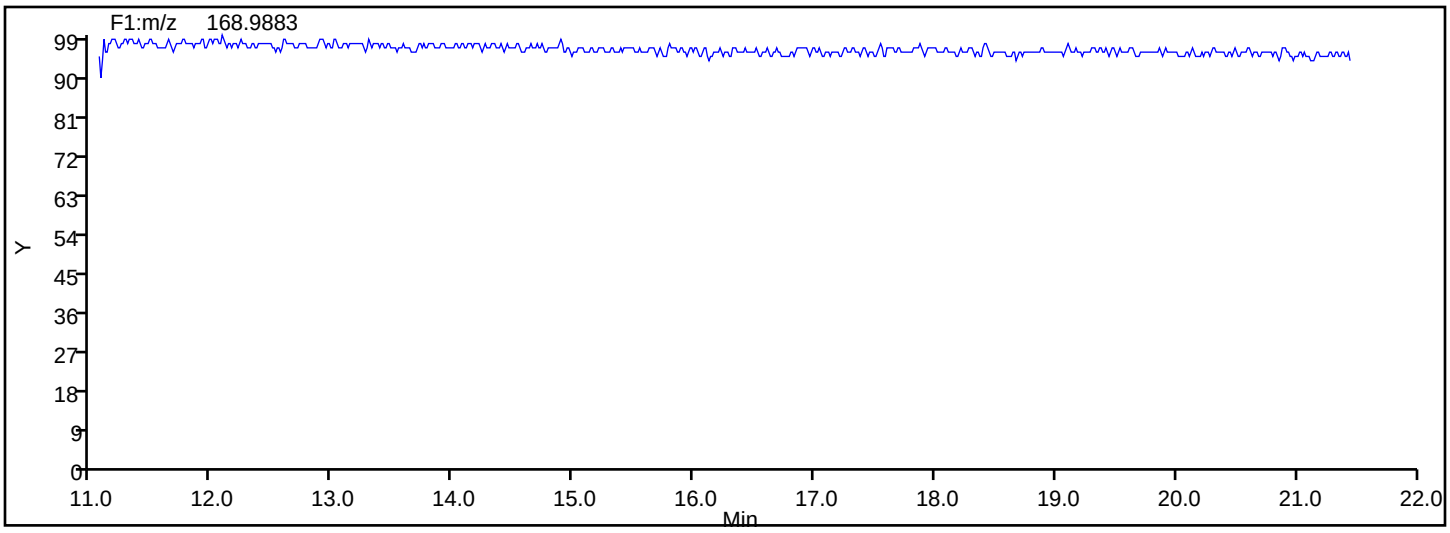
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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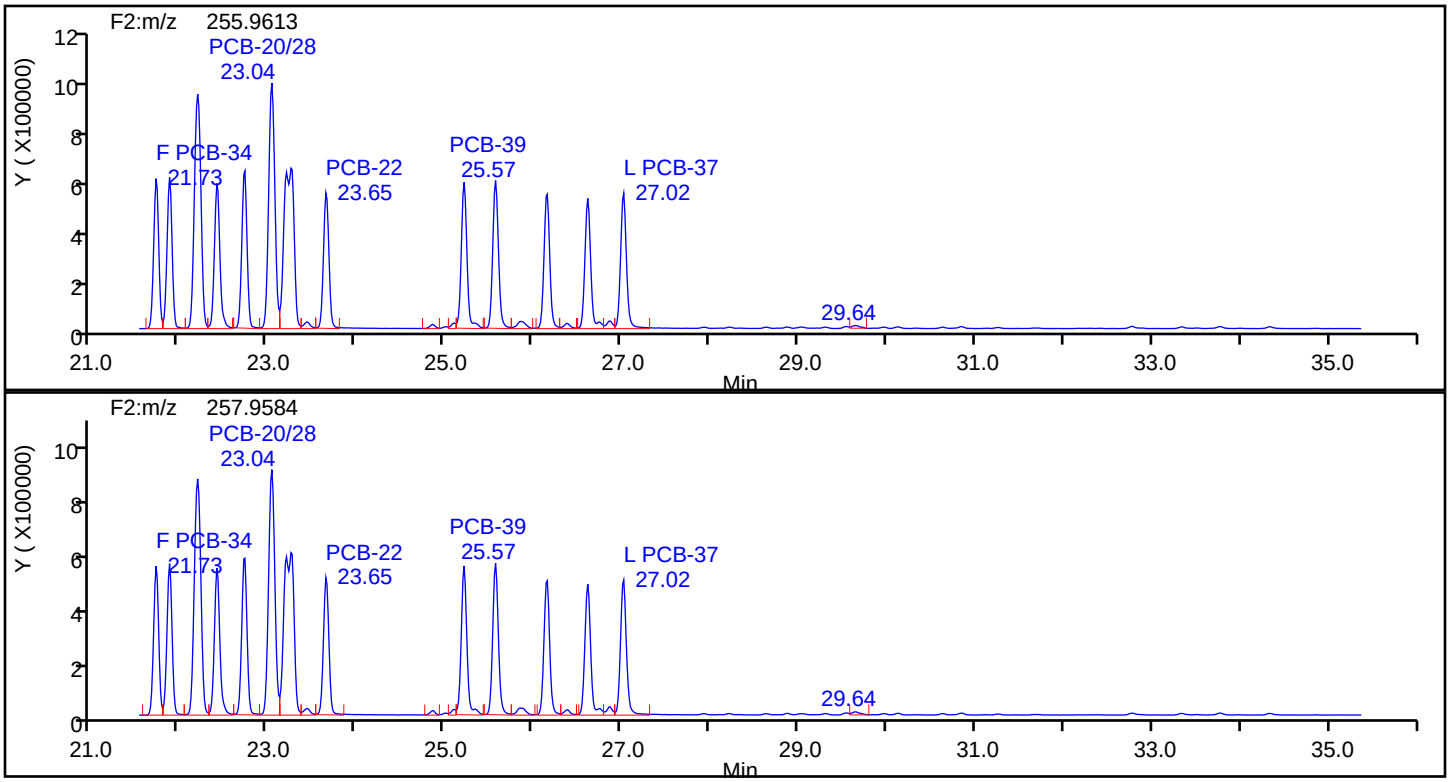
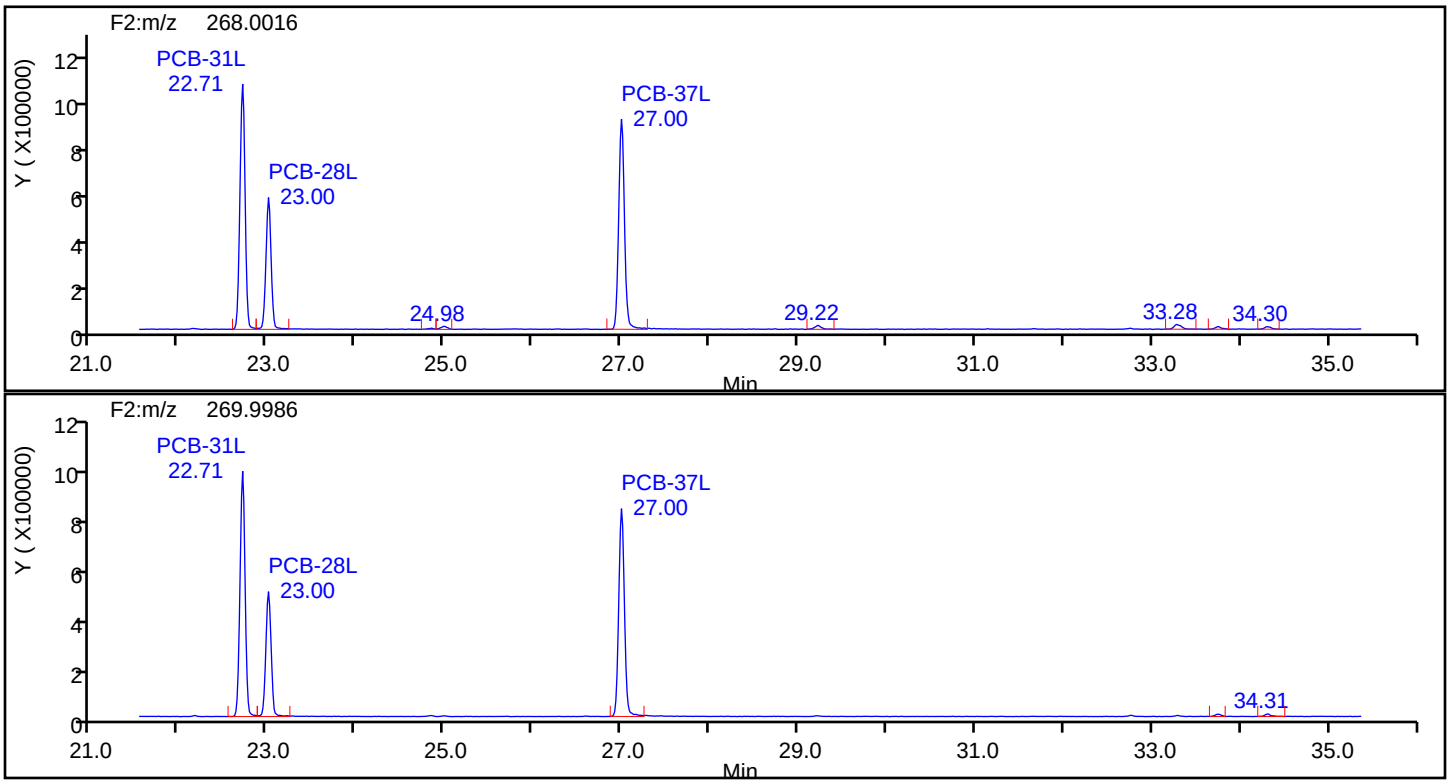
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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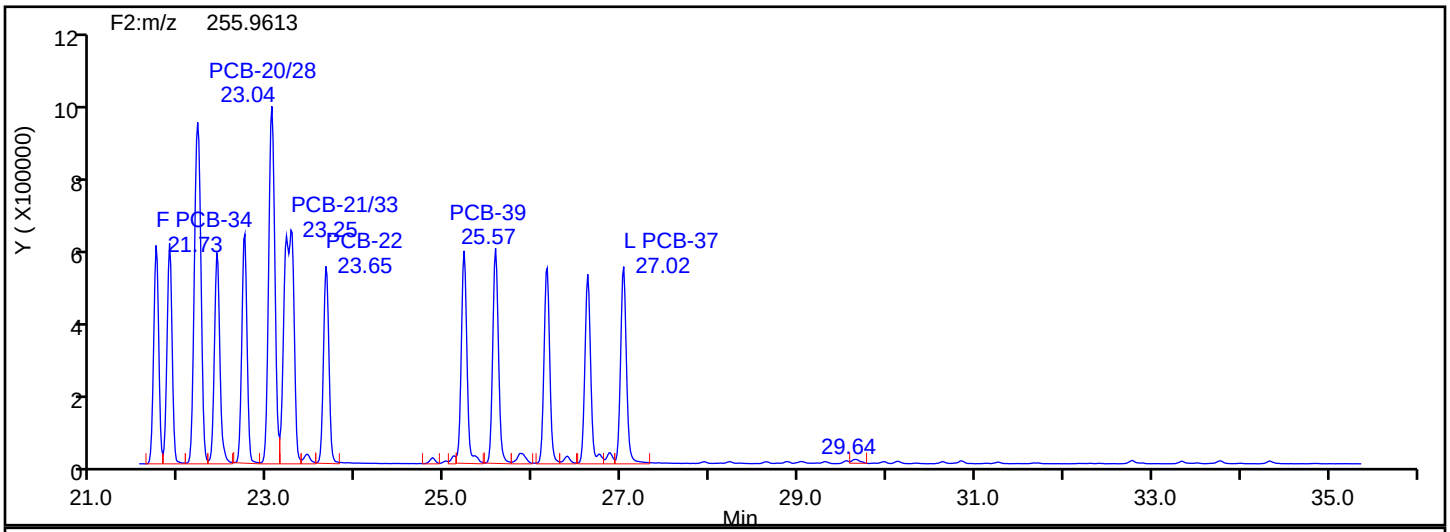
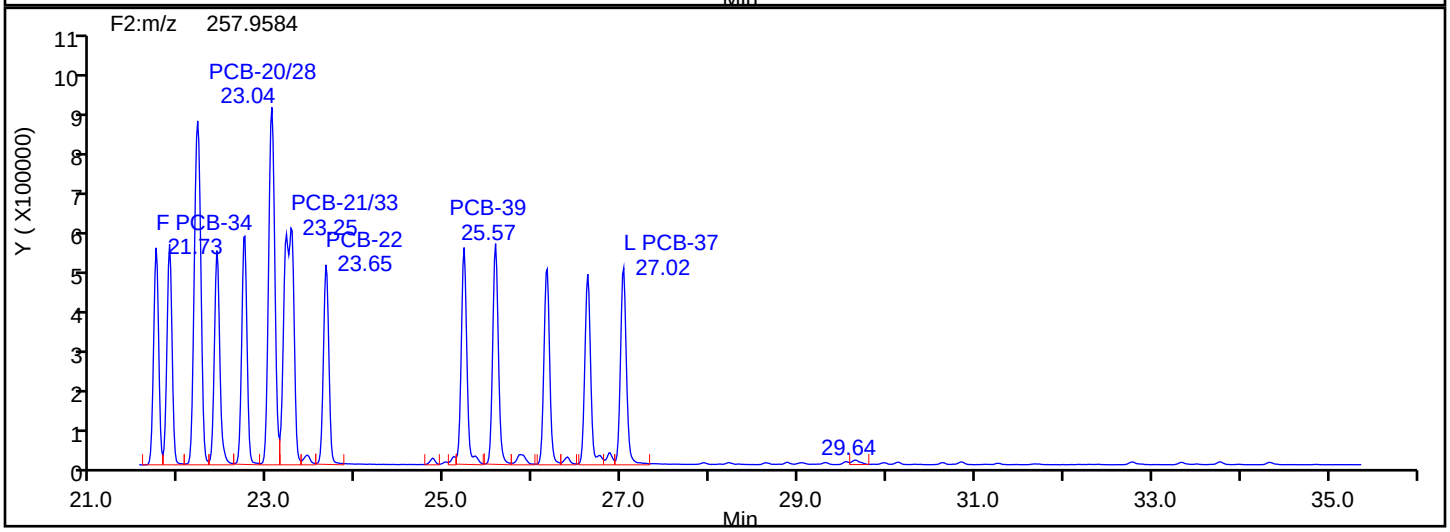
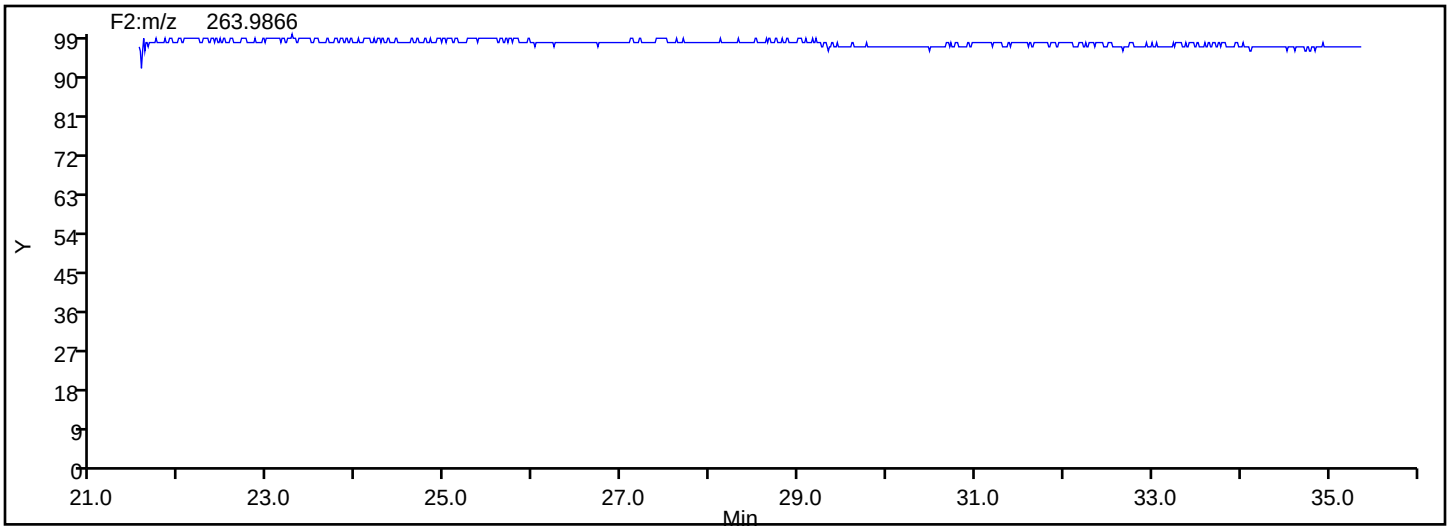
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Report Date: 03-Oct-2019 23:53:27 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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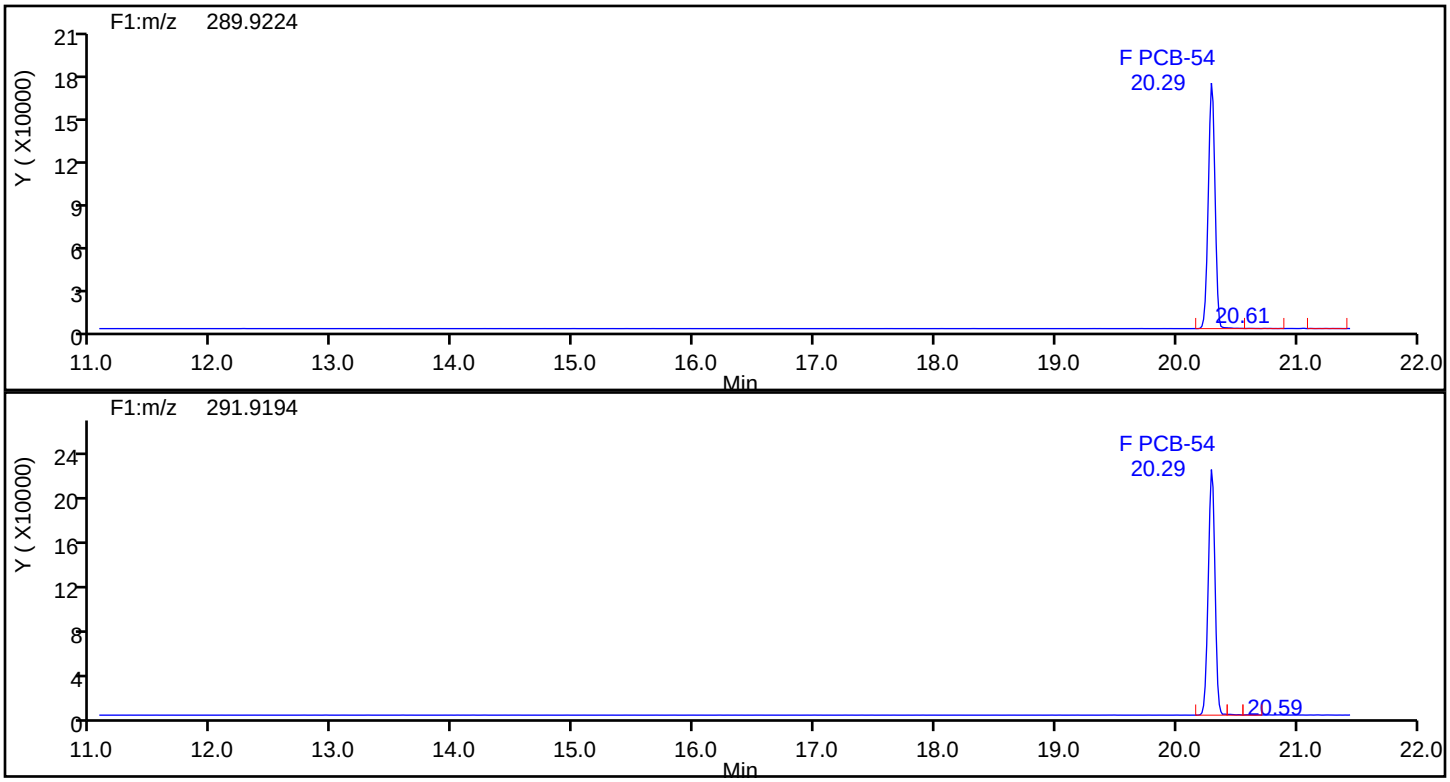
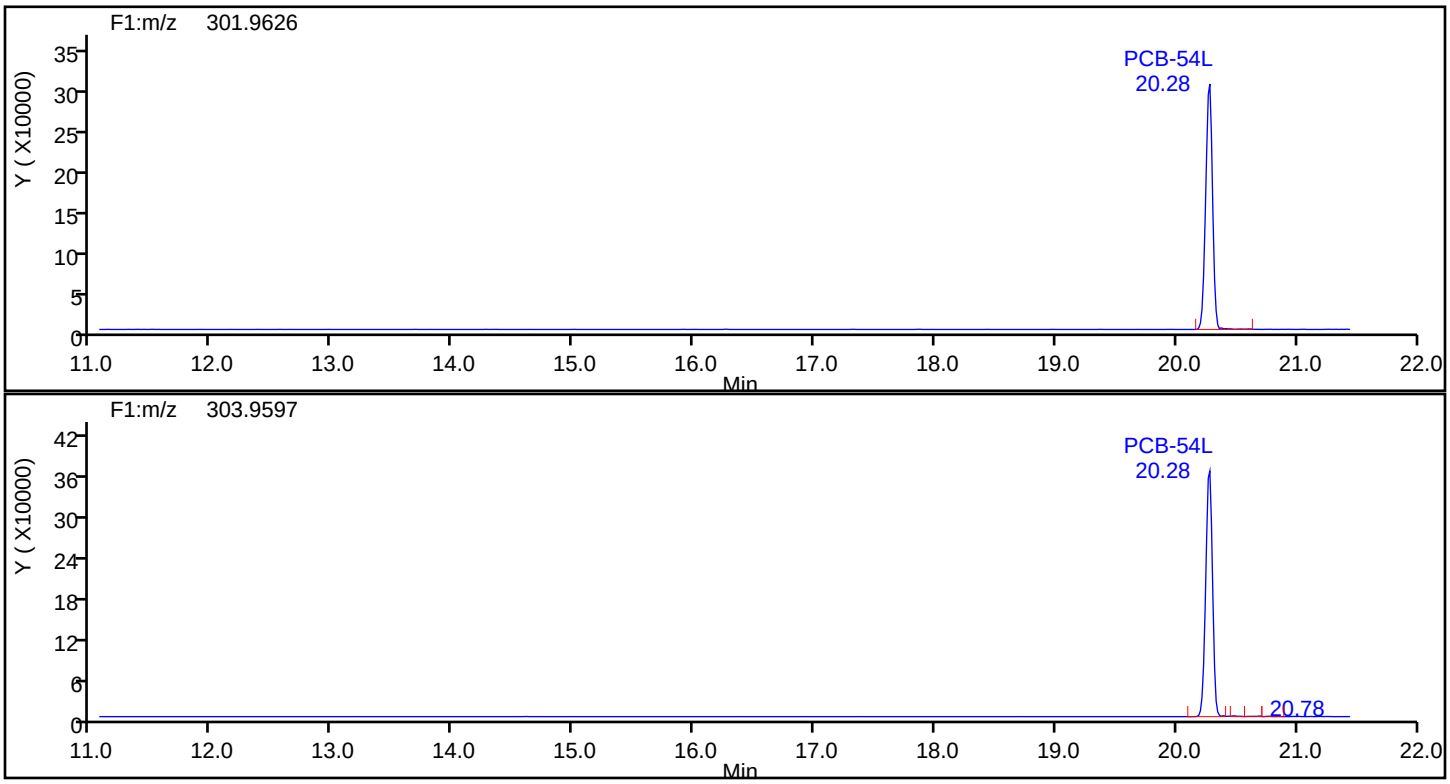
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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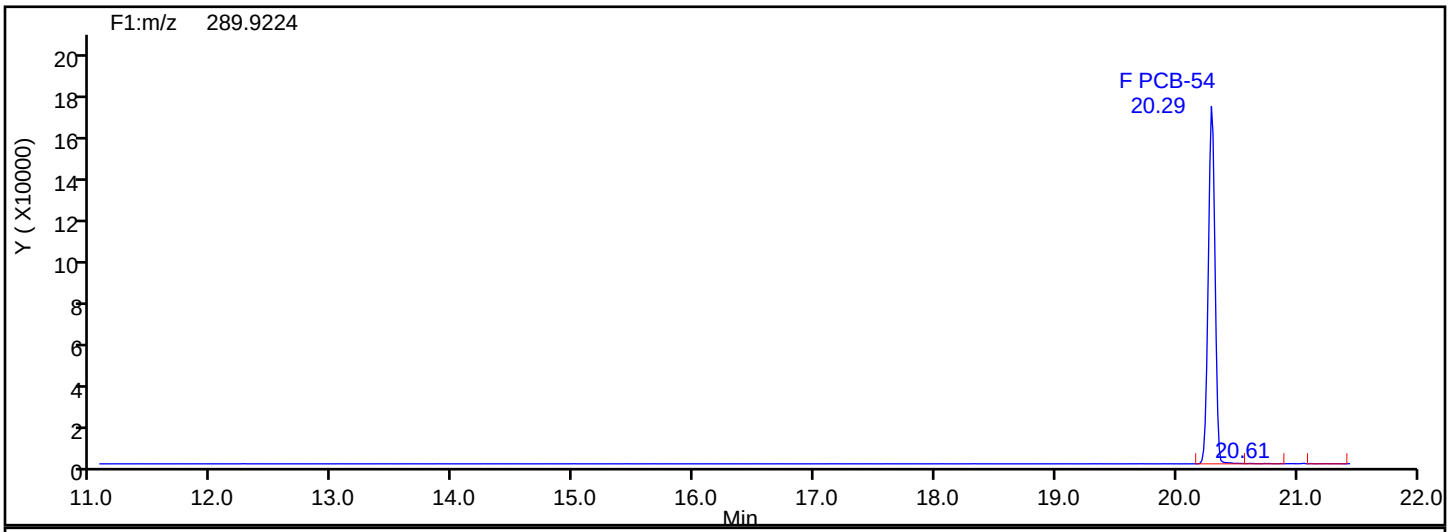
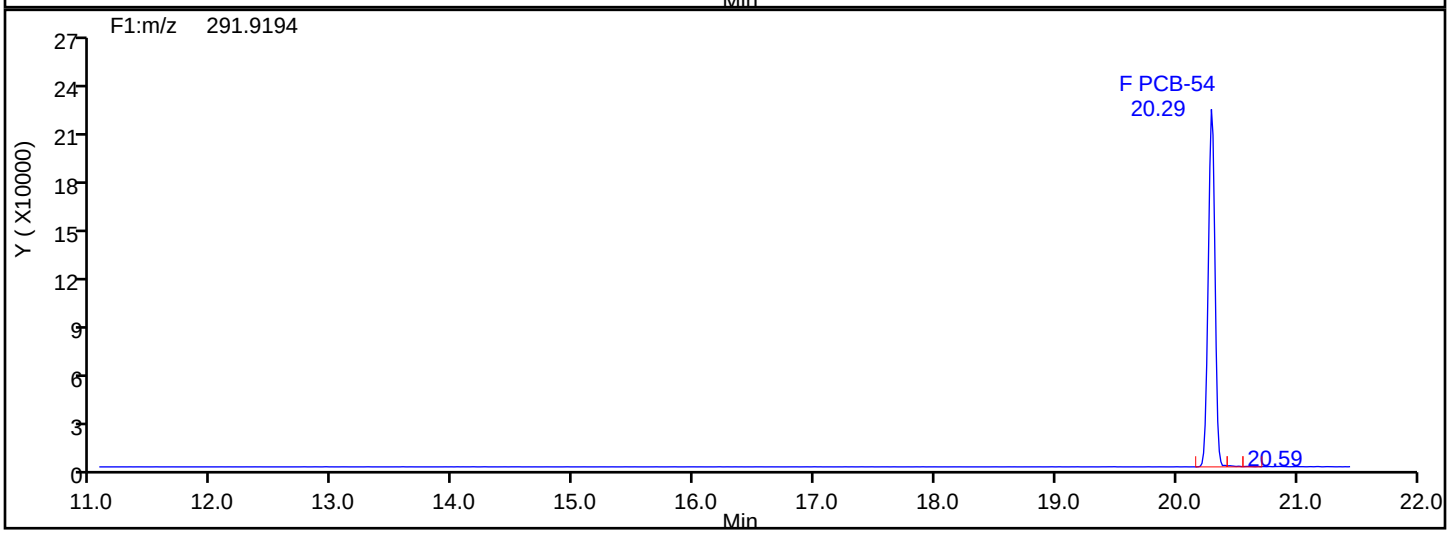
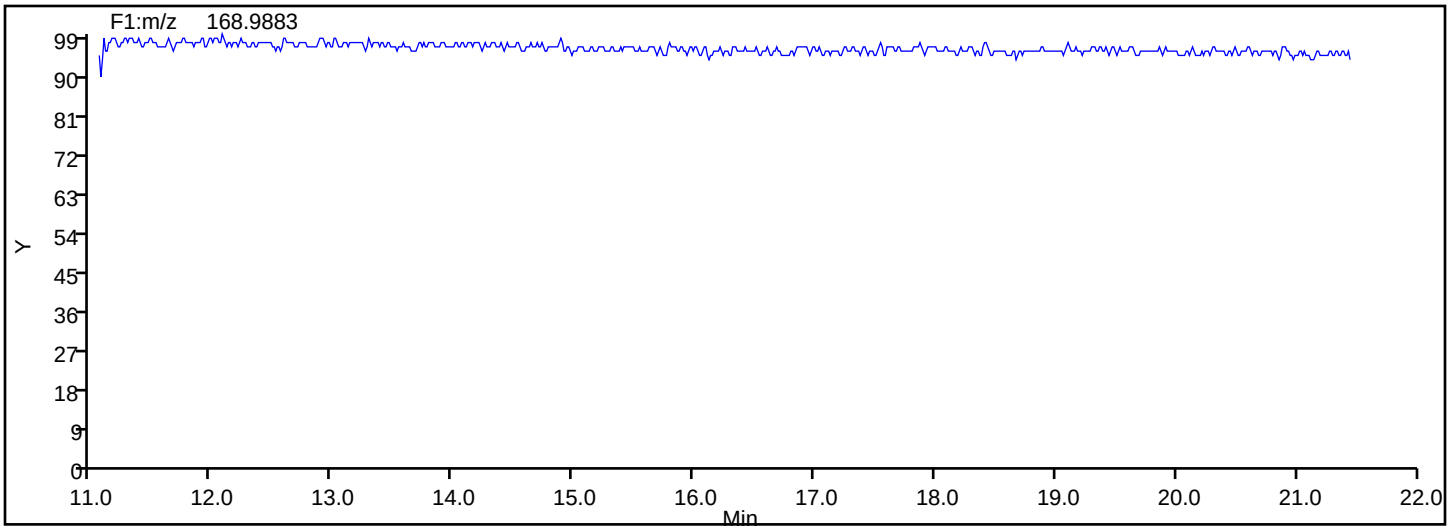
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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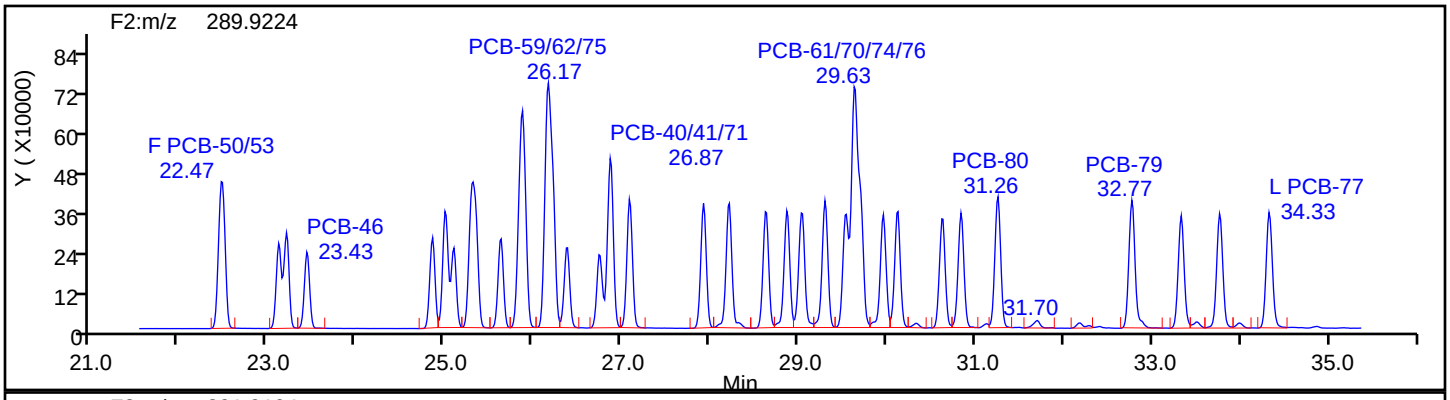
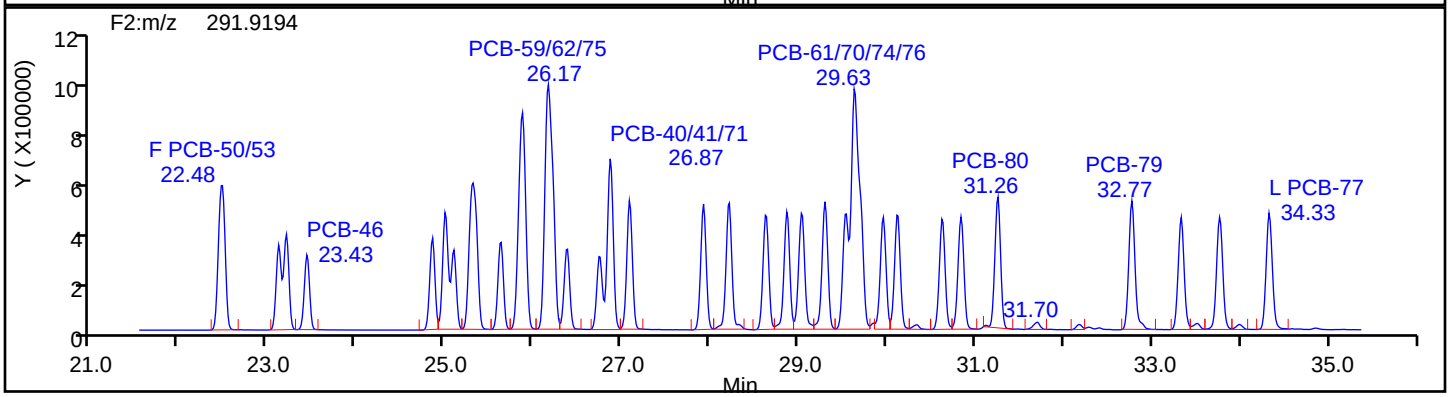
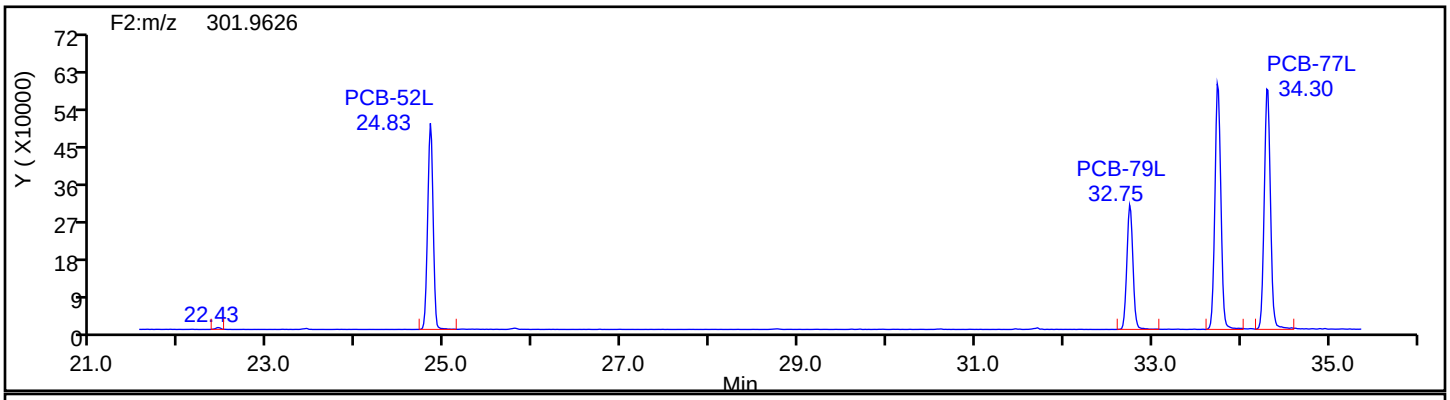
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

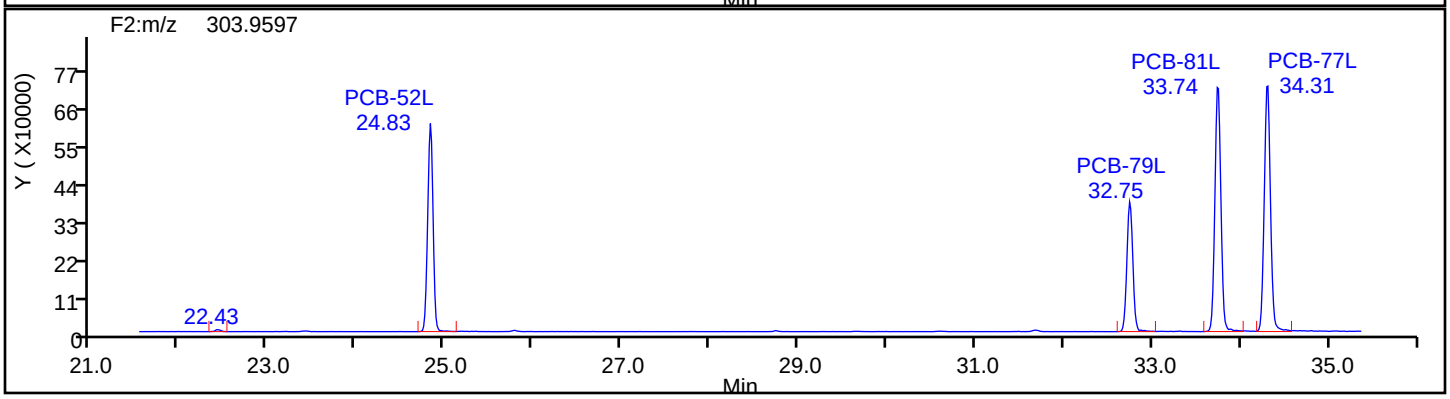
TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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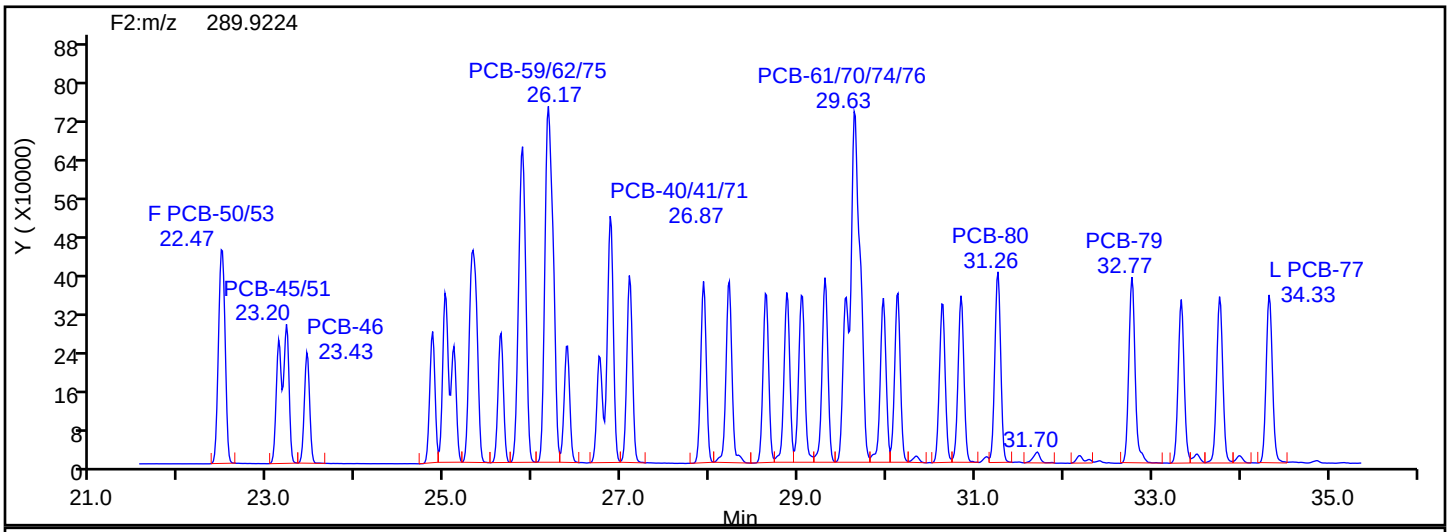
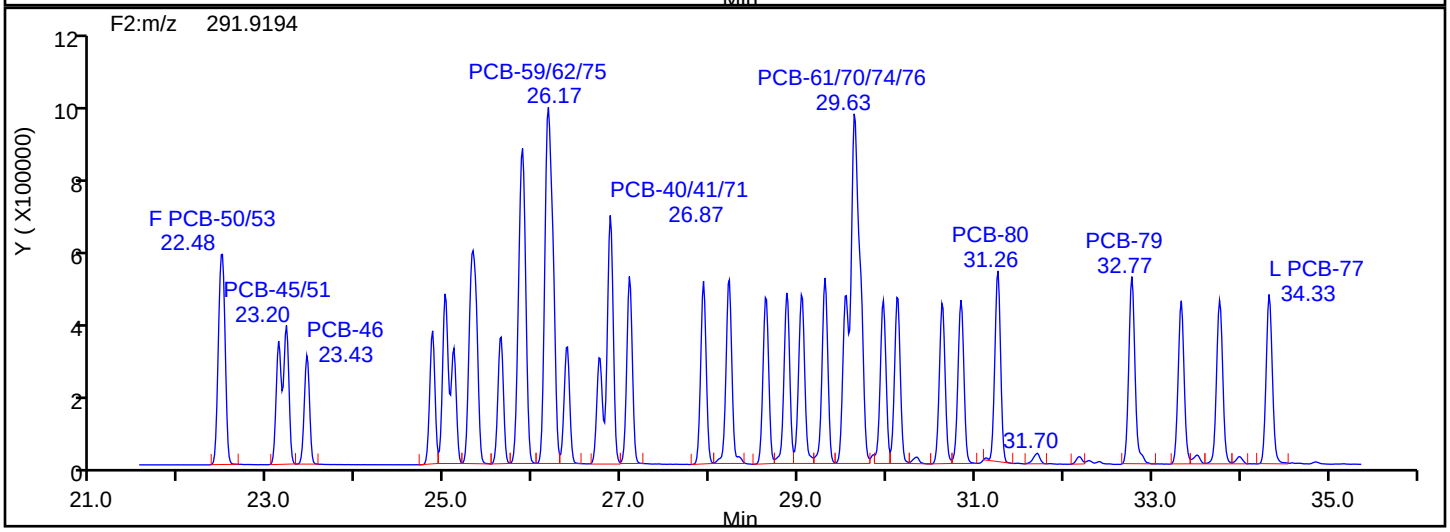
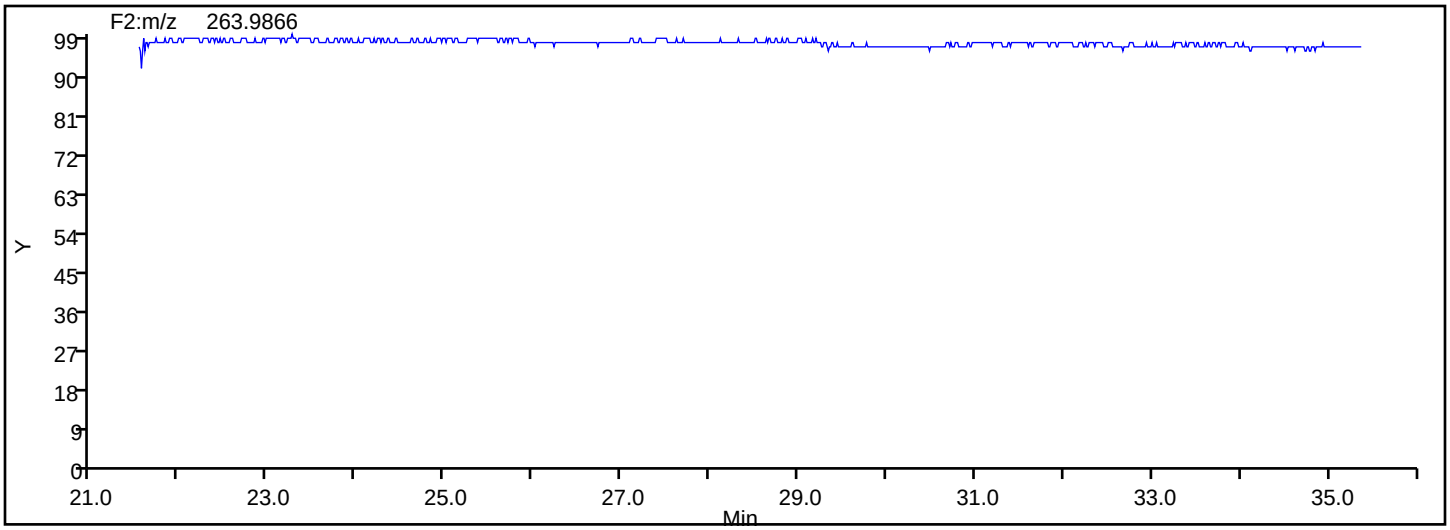
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

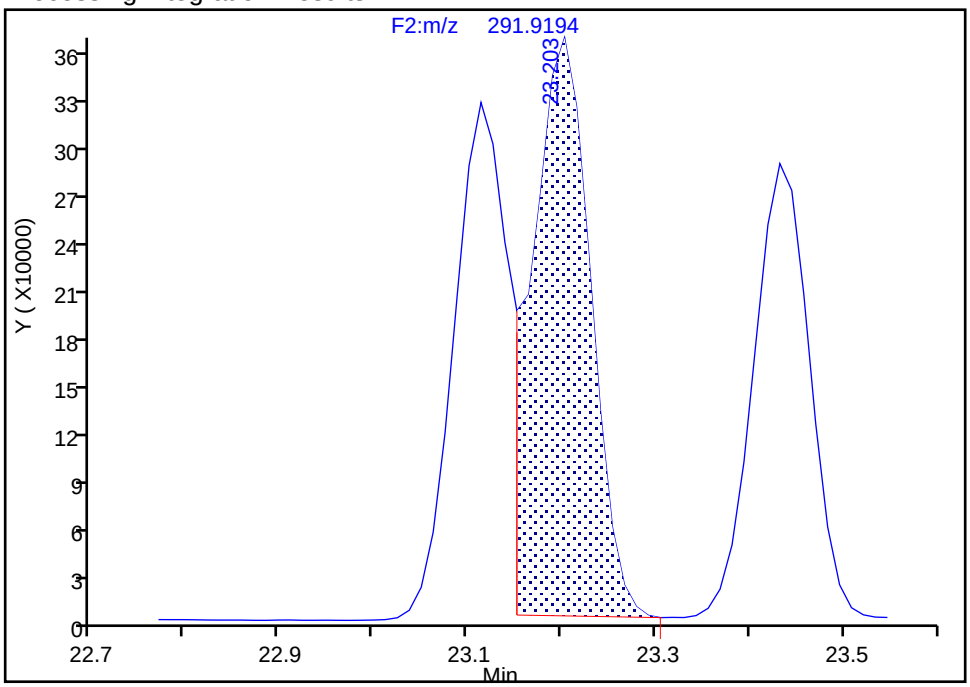
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

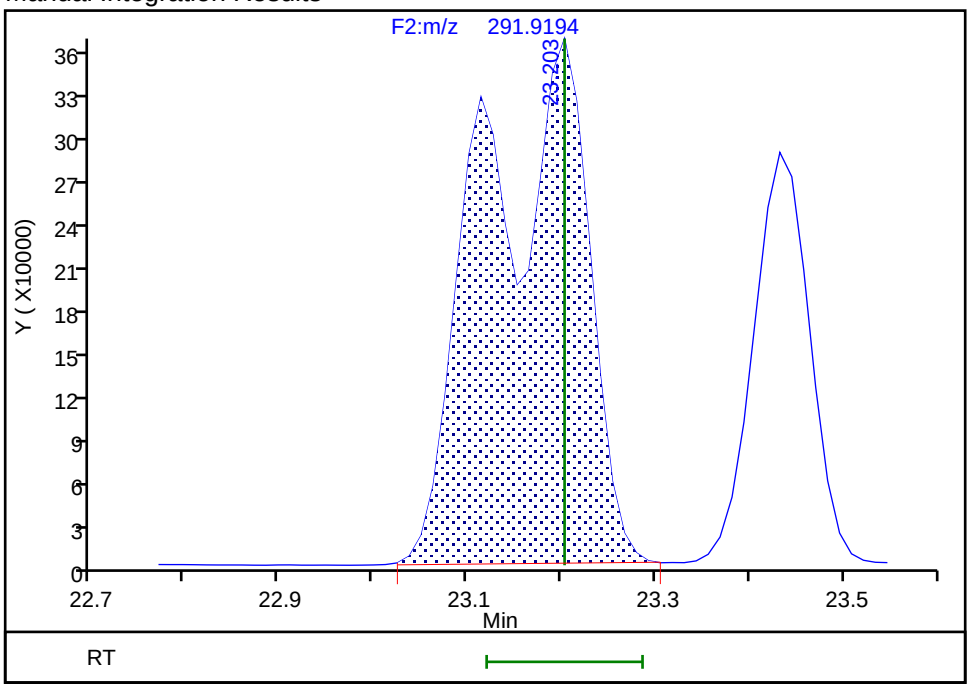
Processing Integration Results

RT: 23.20
Area: 1548218
Amount: 49.576356
Amount Units: pg/ul




Manual Integration Results

RT: 23.20
Area: 2812123
Amount: 90.068325
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:39:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

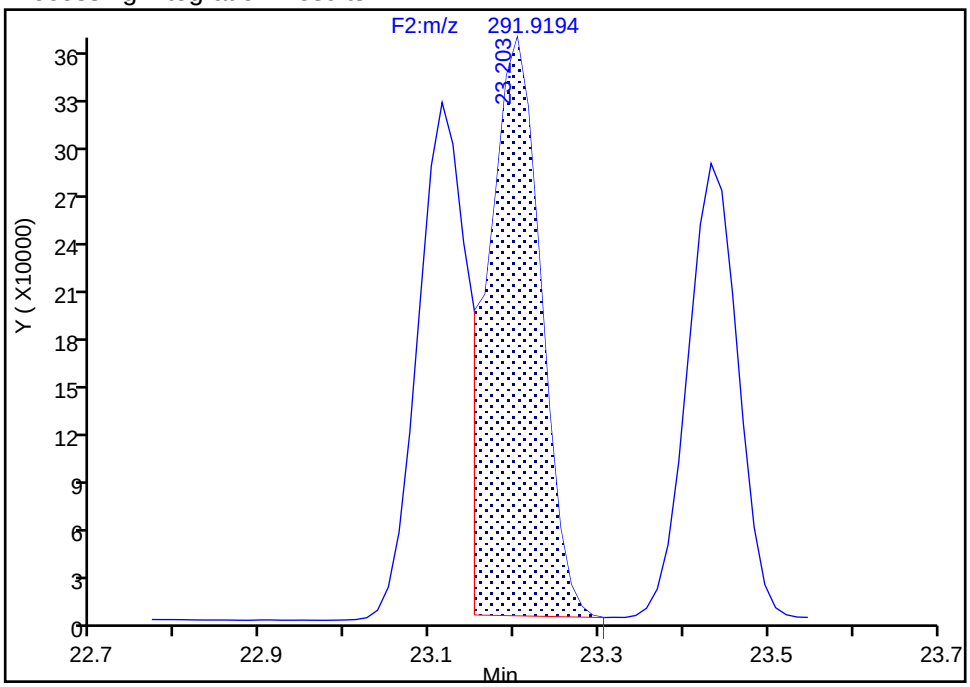
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.20
Area: 2783476
Amount: 49.576356
Amount Units: pg/ul




Manual Integration Results

RT: 23.20
Area: 5056907
Amount: 90.068325
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:39:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

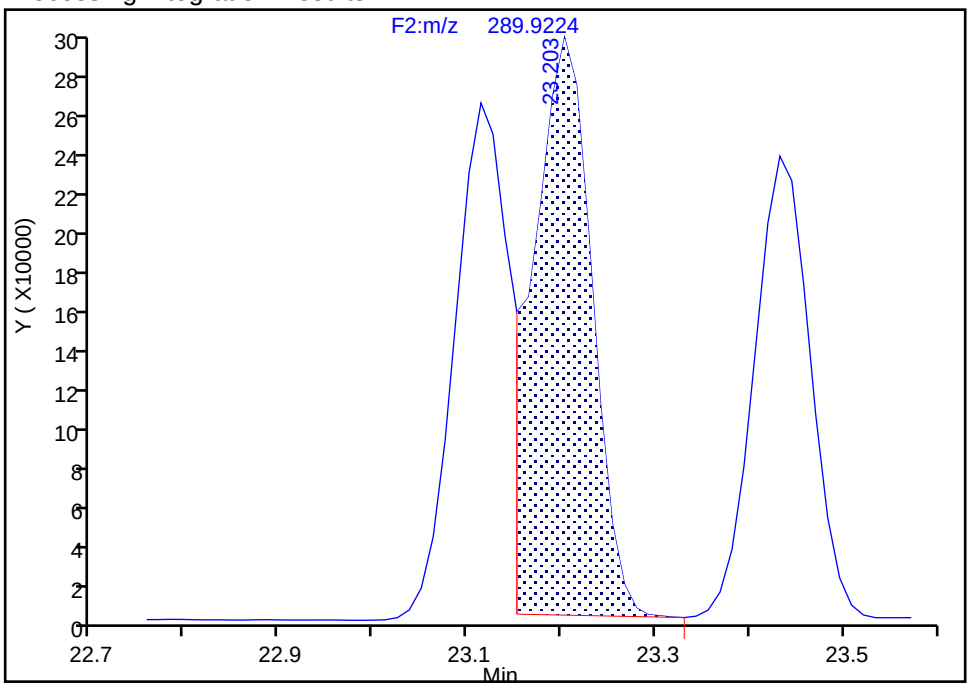
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

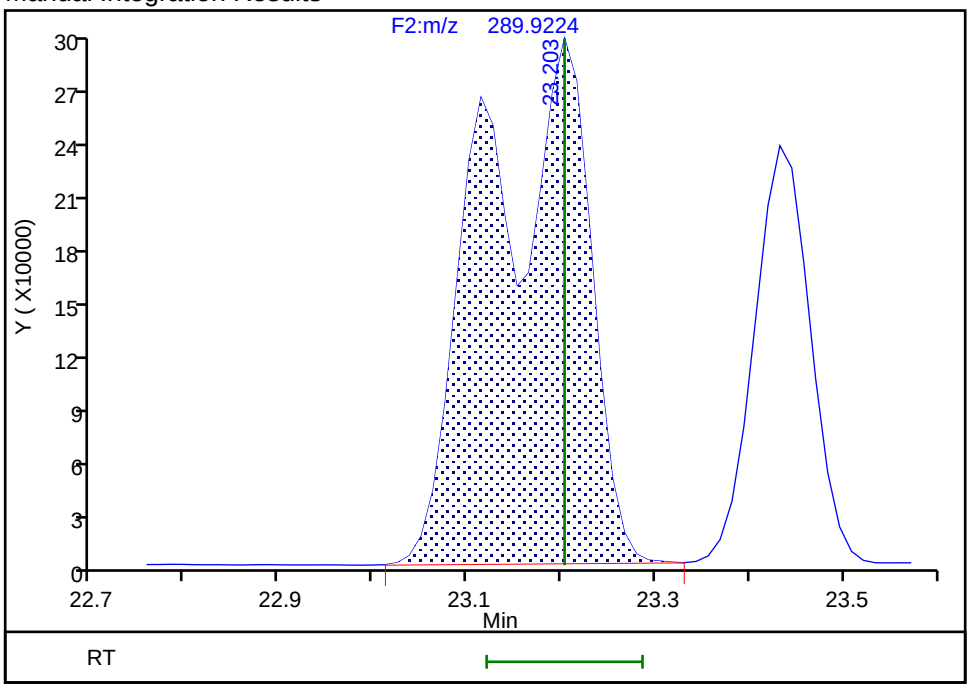
Processing Integration Results

RT: 23.20
Area: 1235258
Amount: 49.576356
Amount Units: pg/ul




Manual Integration Results

RT: 23.20
Area: 2244784
Amount: 90.068325
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:39:15

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

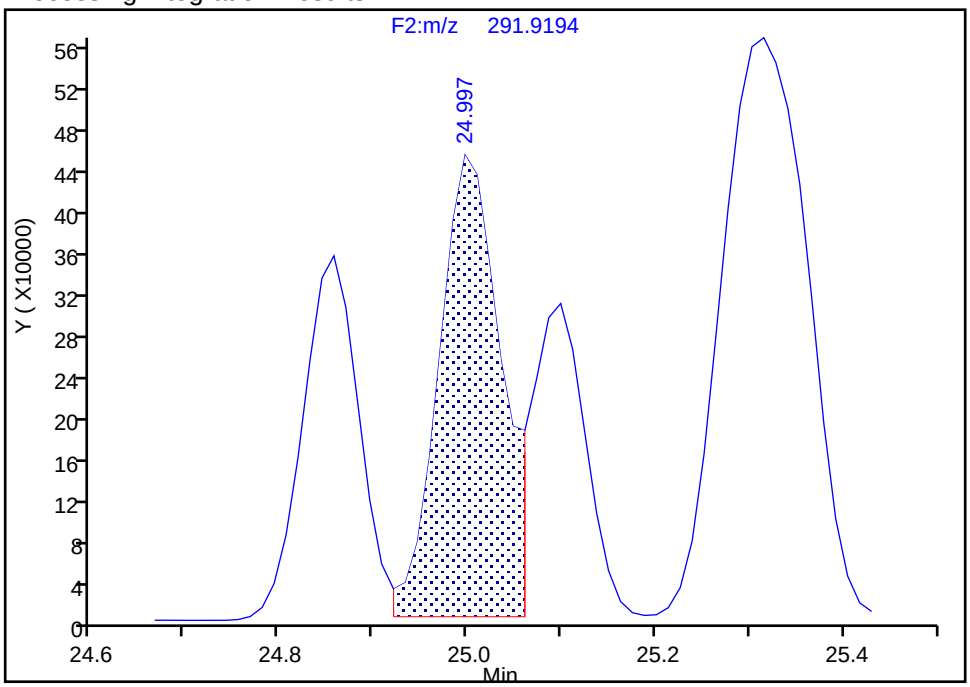
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

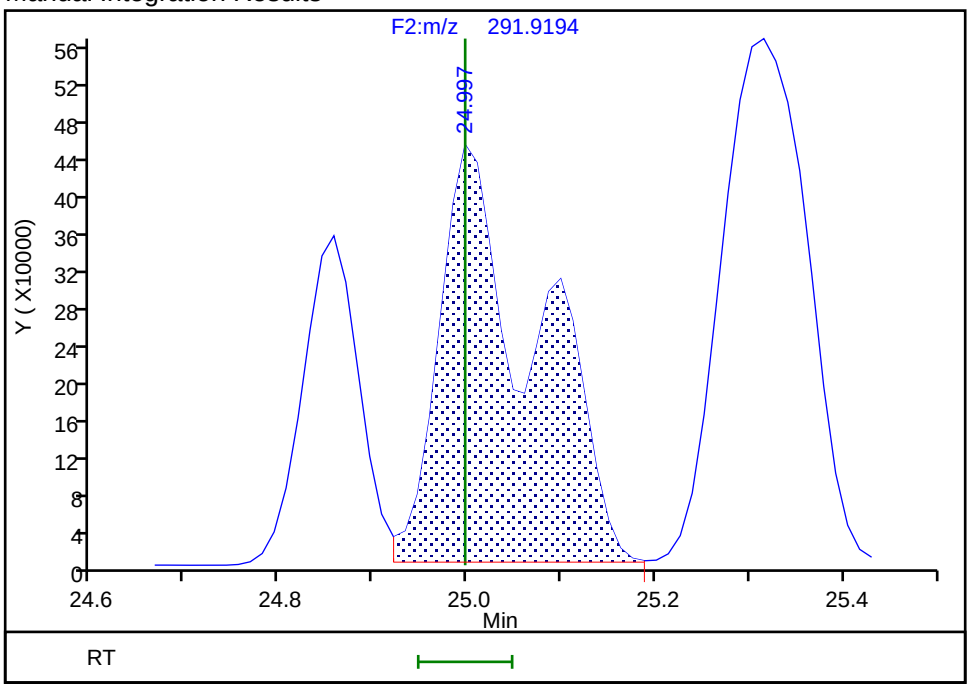
Processing Integration Results

RT: 25.00
Area: 2029333
Amount: 57.158360
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 3188480
Amount: 90.026018
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:39:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

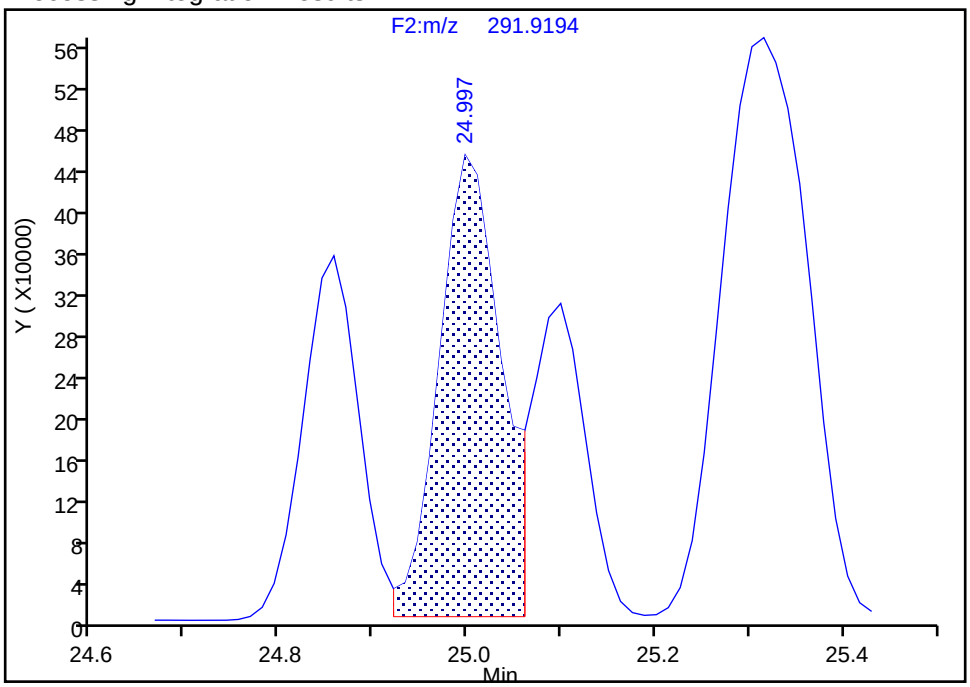
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 3

Processing Integration Results

RT: 25.00
Area: 3623693
Amount: 57.158360
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 5707418
Amount: 90.026018
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:39:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

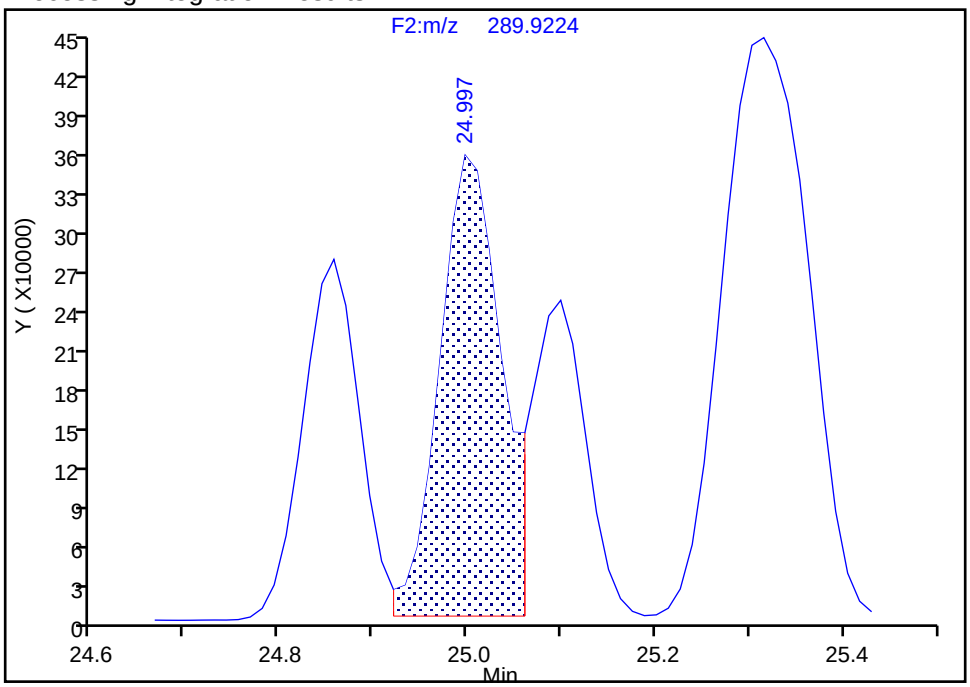
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

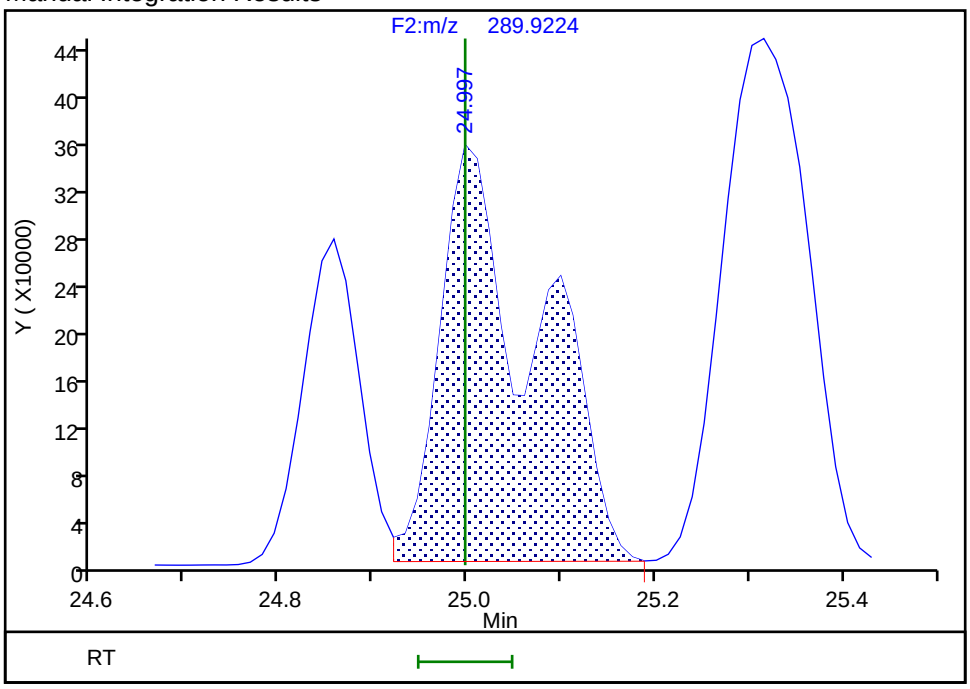
Processing Integration Results

RT: 25.00
Area: 1594360
Amount: 57.158360
Amount Units: pg/ul




Manual Integration Results

RT: 25.00
Area: 2518938
Amount: 90.026018
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:39:36
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

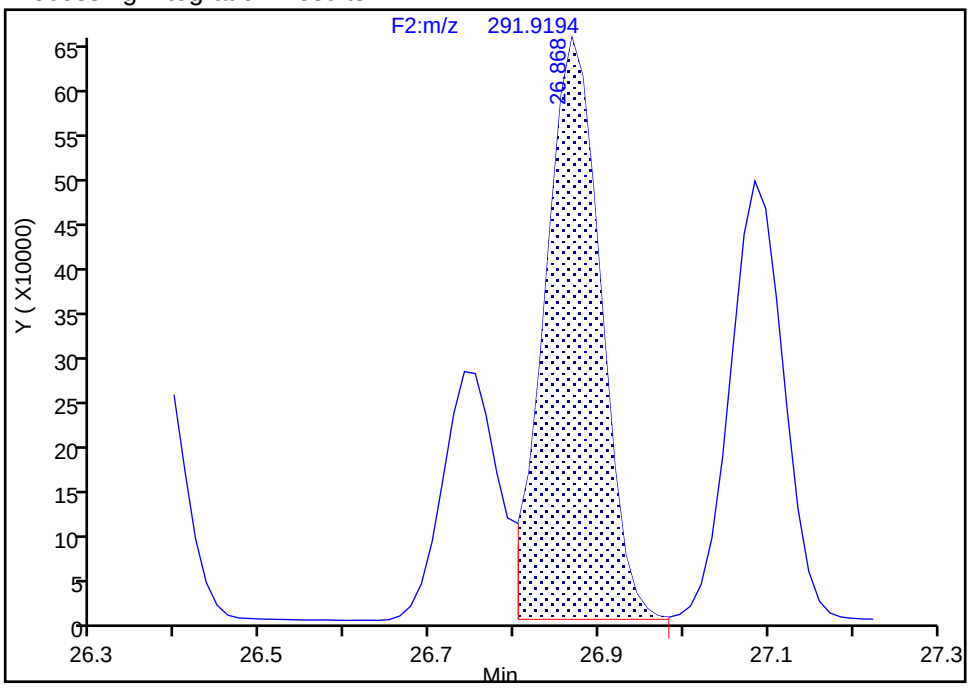
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

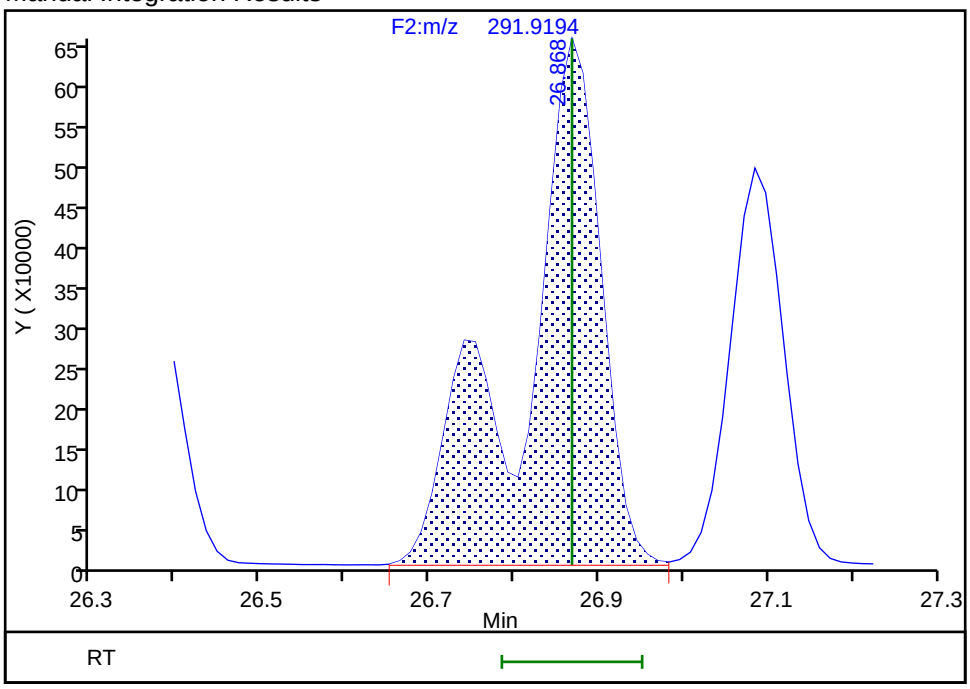
Processing Integration Results

RT: 26.87
Area: 2971115
Amount: 91.603736
Amount Units: pg/ul




Manual Integration Results

RT: 26.87
Area: 4260891
Amount: 131.0108
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:40:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

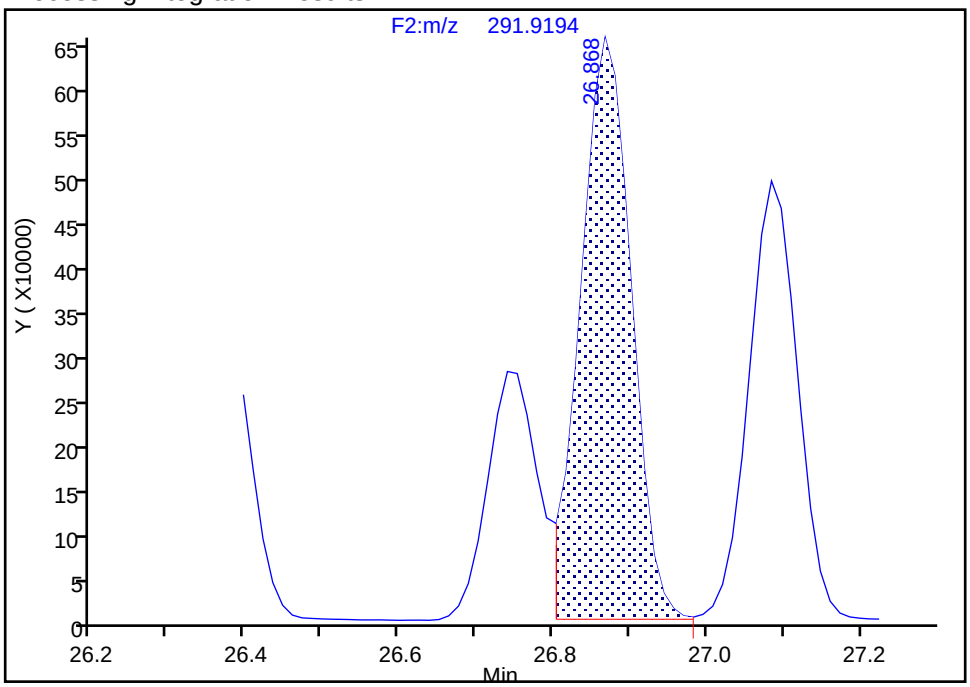
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.87
Area: 5334128
Amount: 91.603736
Amount Units: pg/ul




Manual Integration Results

RT: 26.87
Area: 7628819
Amount: 131.0108
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:40:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

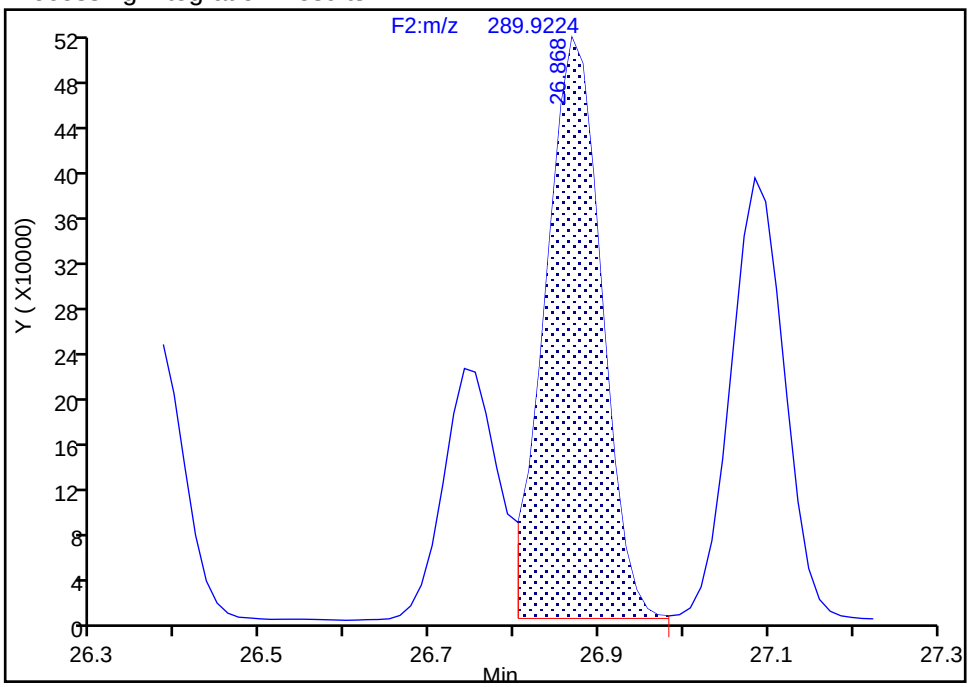
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 1

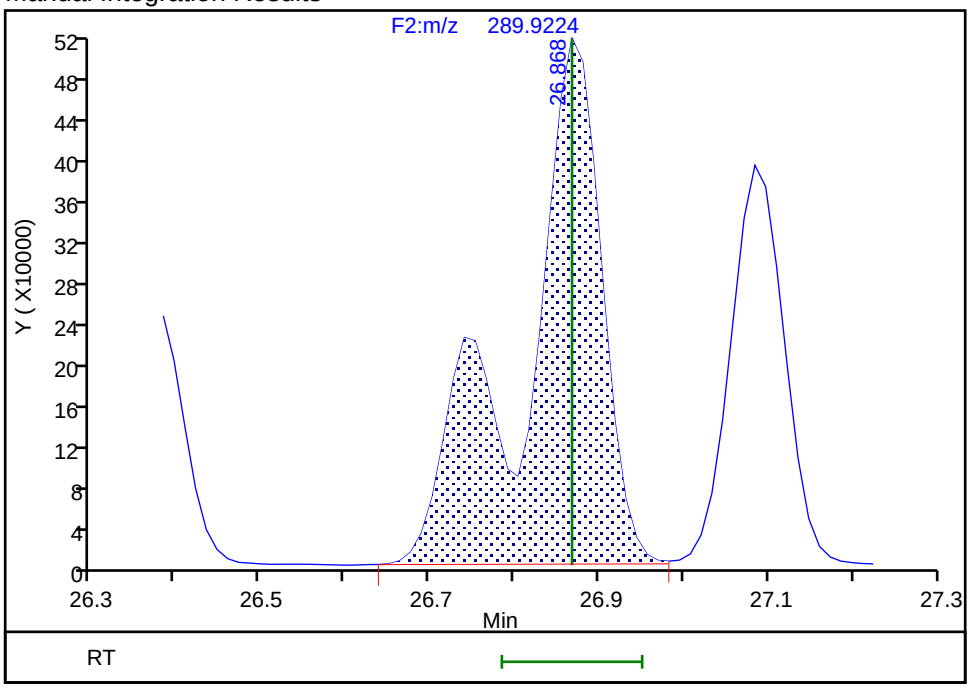
Processing Integration Results

RT: 26.87
Area: 2363013
Amount: 91.603736
Amount Units: pg/ul




Manual Integration Results

RT: 26.87
Area: 3367928
Amount: 131.0108
Amount Units: pg/ul

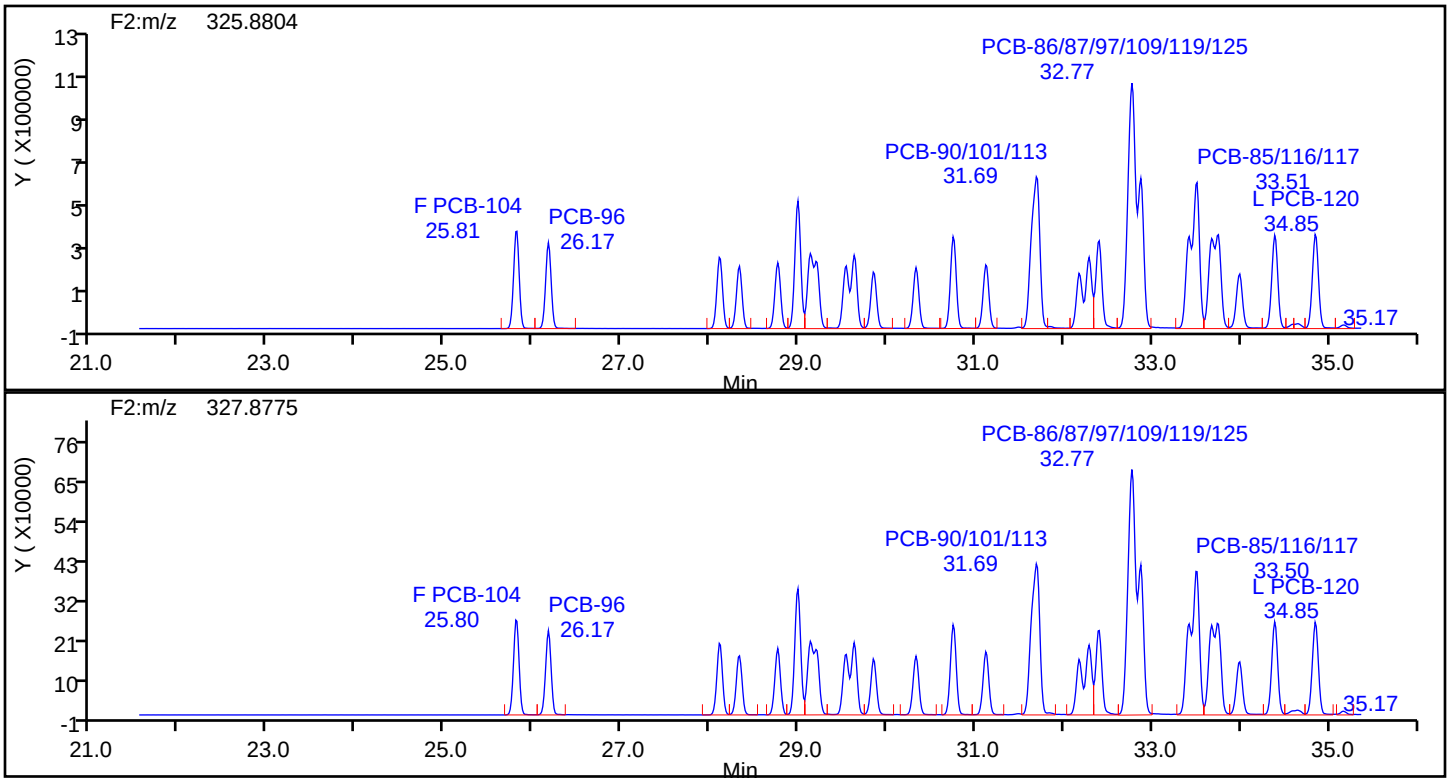



Reviewer: mcwhirterl, 03-Oct-2019 23:40:17
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

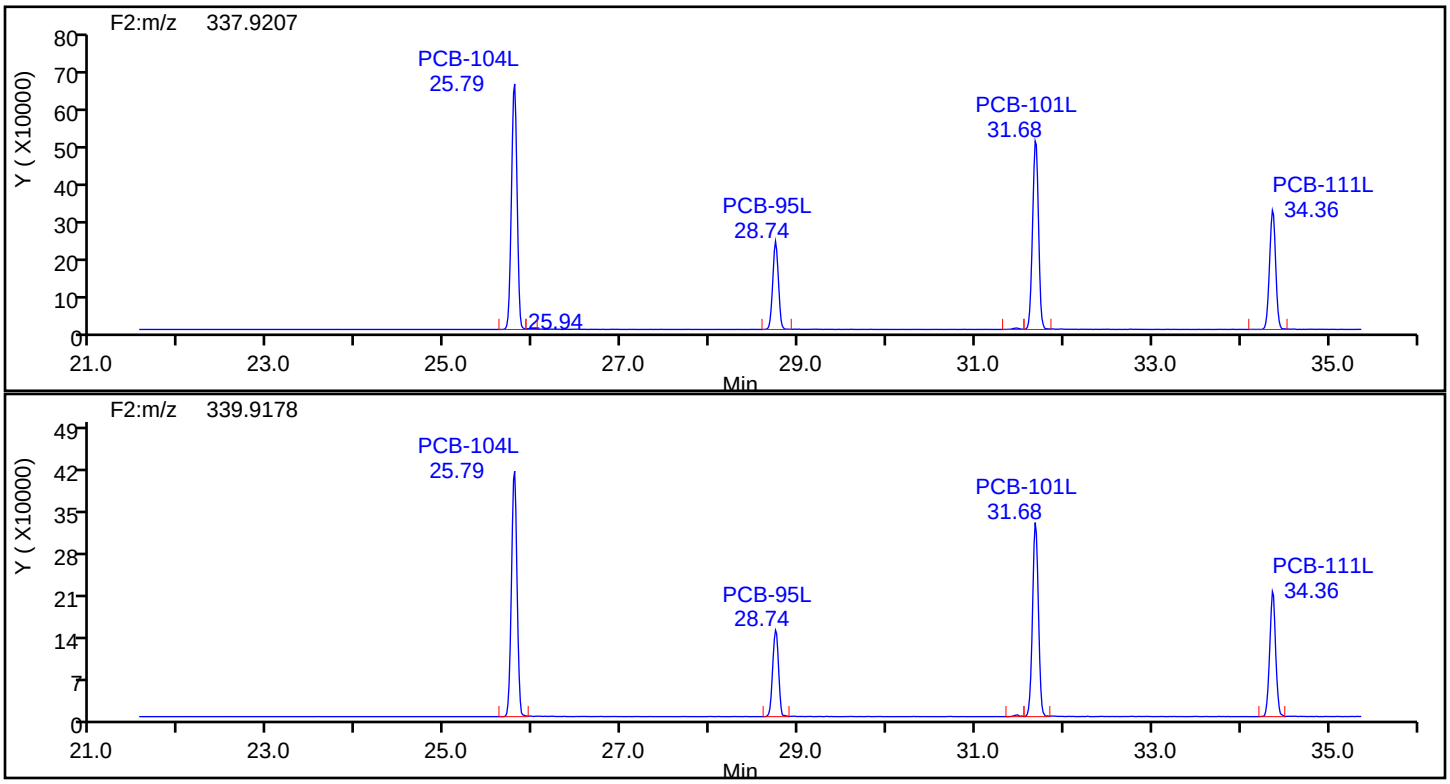
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



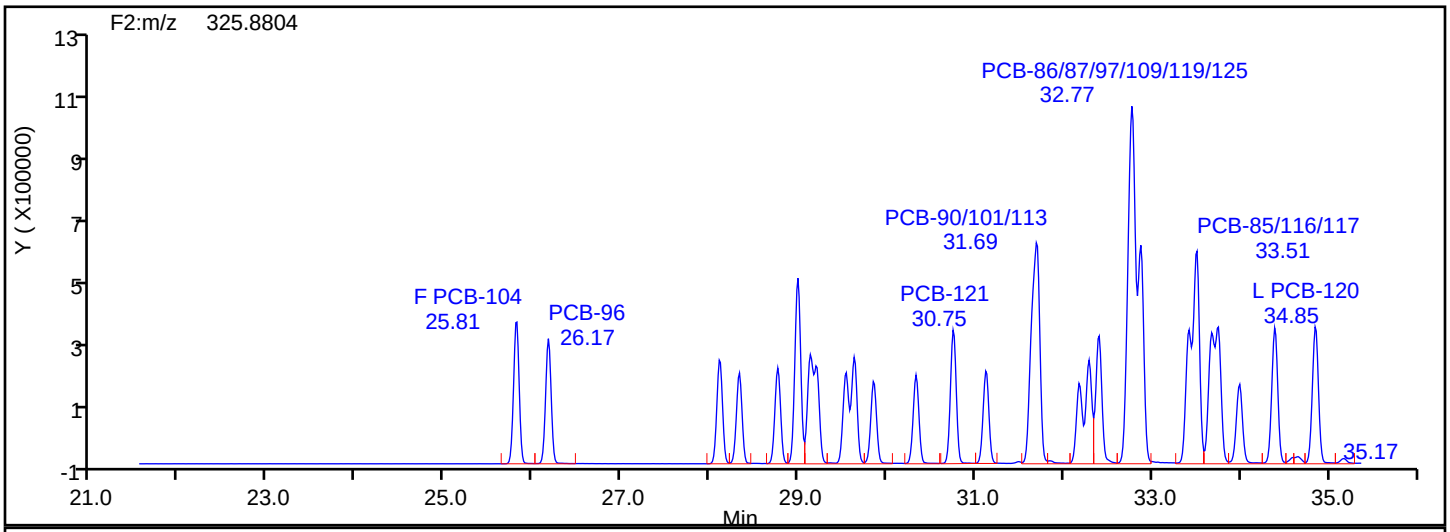

PePCB F2 Standards

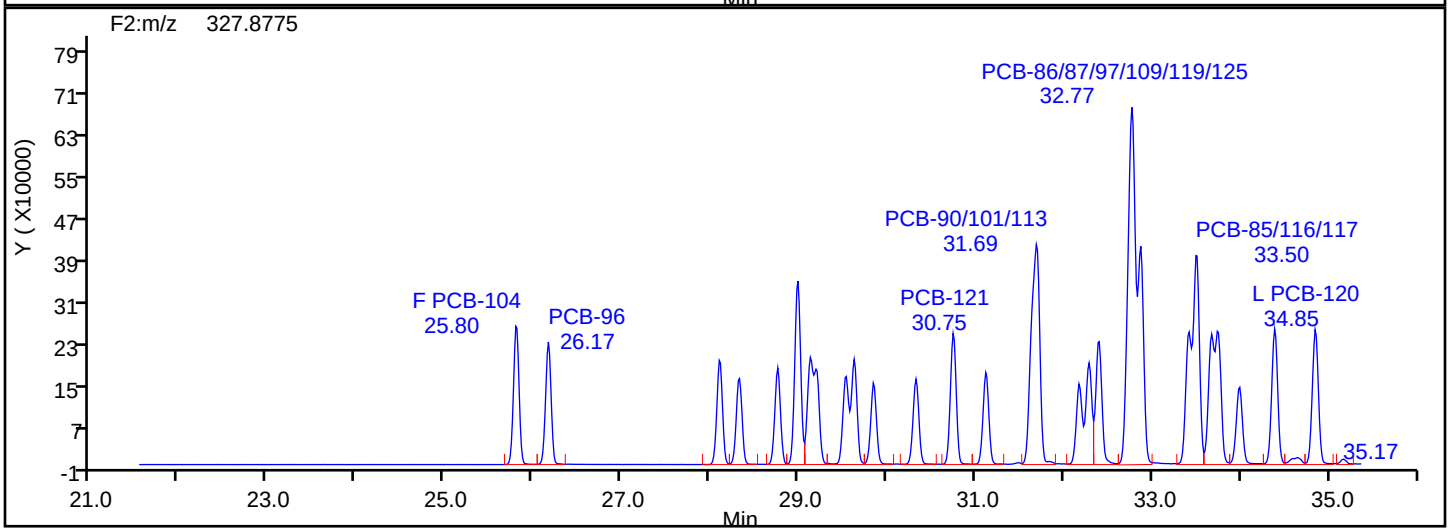


Eurofins TestAmerica, Knoxville

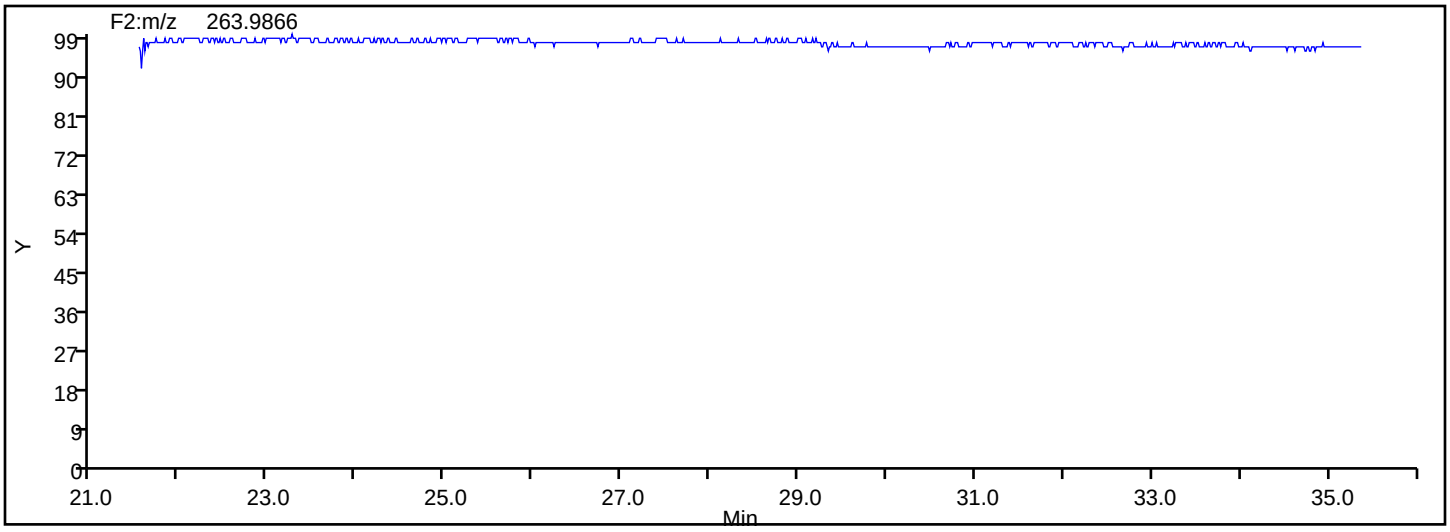
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

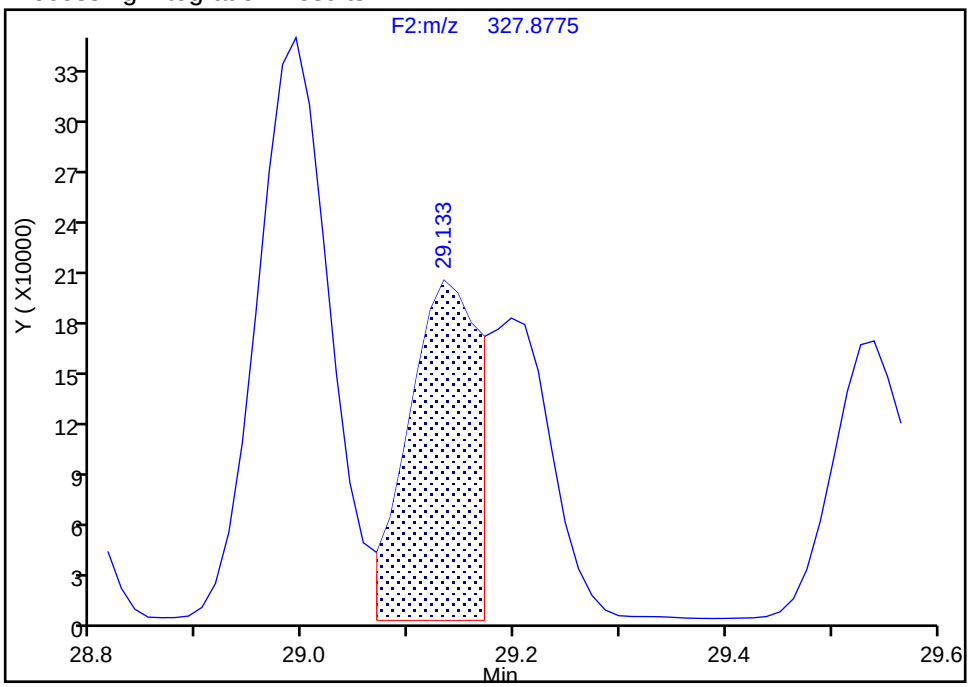
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

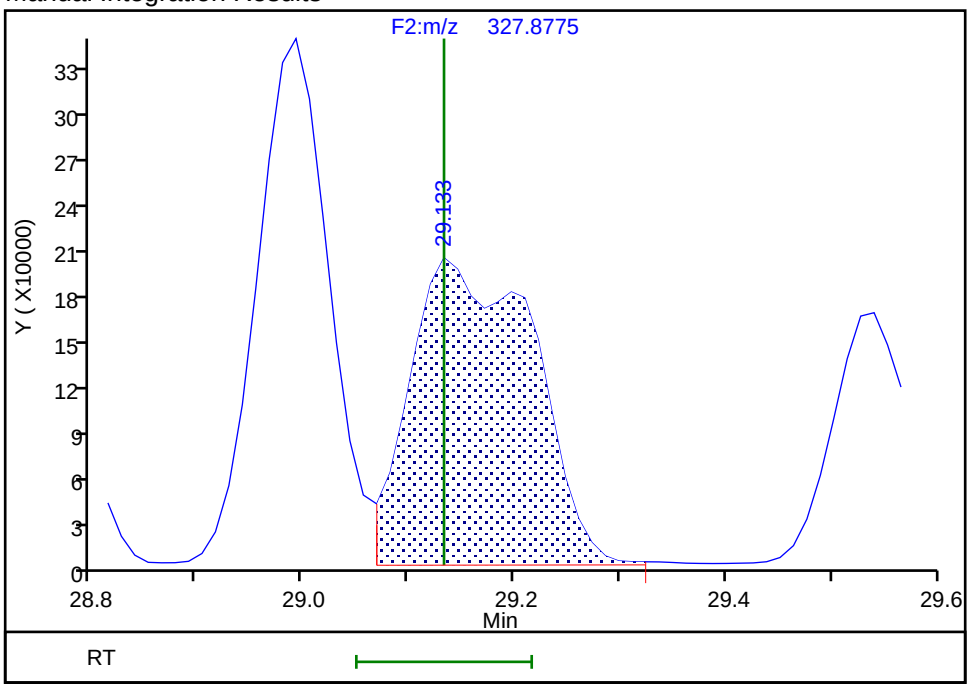
Processing Integration Results

RT: 29.13
Area: 903852
Amount: 49.853188
Amount Units: pg/ul




Manual Integration Results

RT: 29.13
Area: 1656747
Amount: 91.775077
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

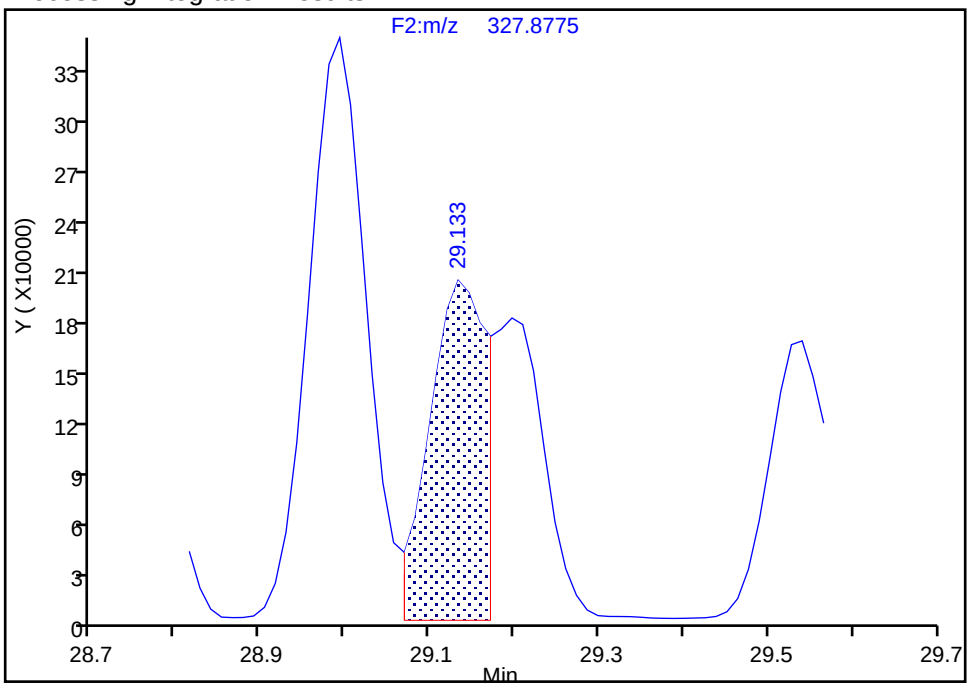
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 3

Processing Integration Results

RT: 29.13
Area: 2339064
Amount: 49.853188
Amount Units: pg/ul




Manual Integration Results

RT: 29.13
Area: 4305999
Amount: 91.775077
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:41:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

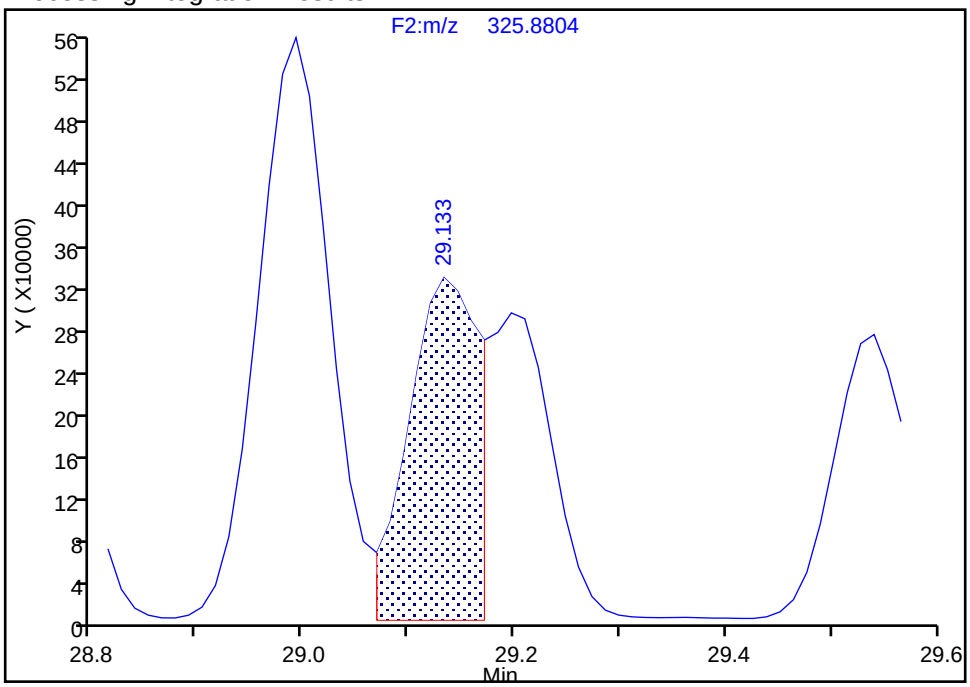
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 1

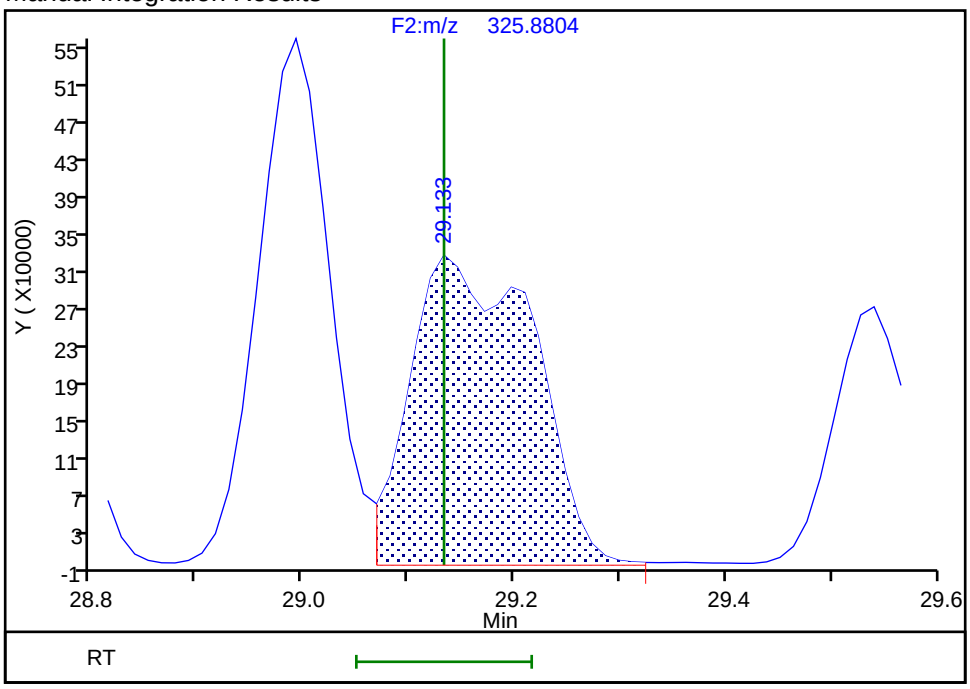
Processing Integration Results

RT: 29.13
Area: 1435212
Amount: 49.853188
Amount Units: pg/ul




Manual Integration Results

RT: 29.13
Area: 2649252
Amount: 91.775077
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:02

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

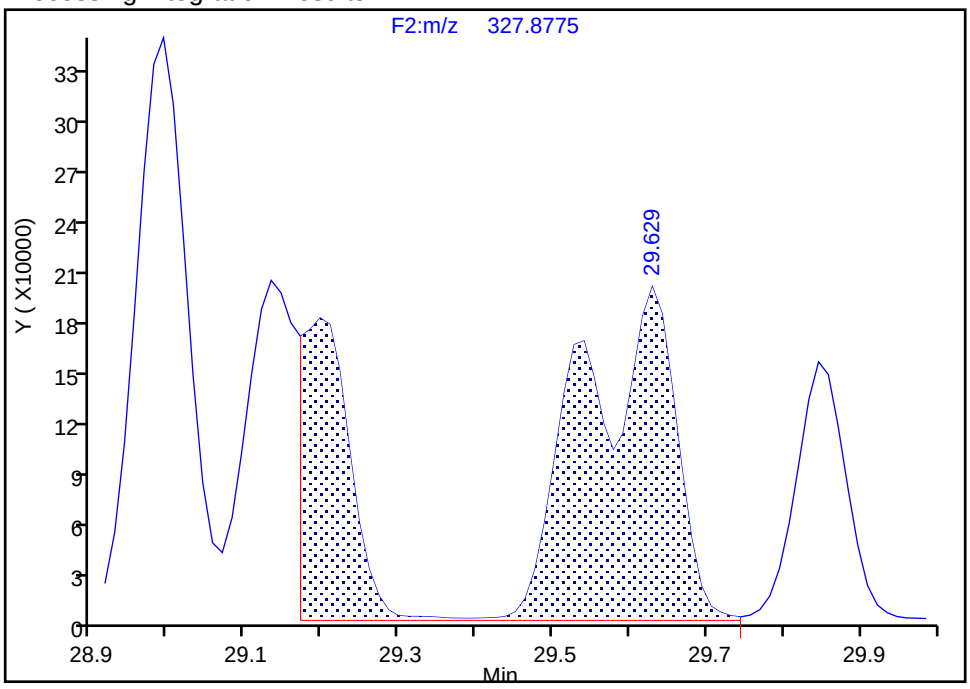
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 2

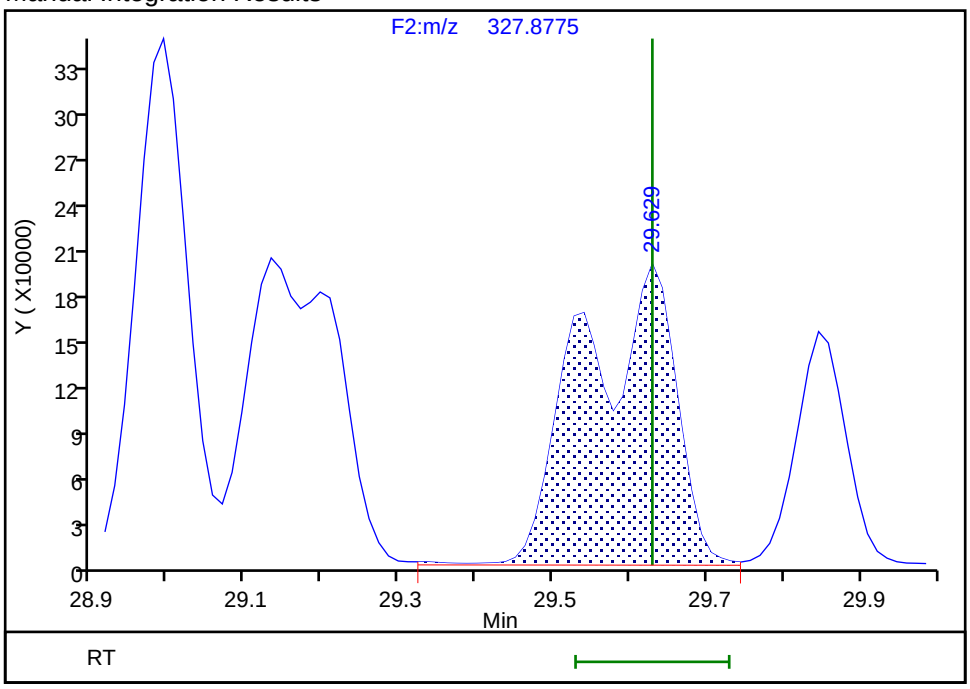
Processing Integration Results

RT: 29.63
Area: 2435353
Amount: 132.6847
Amount Units: pg/ul




Manual Integration Results

RT: 29.63
Area: 1677749
Amount: 91.445092
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

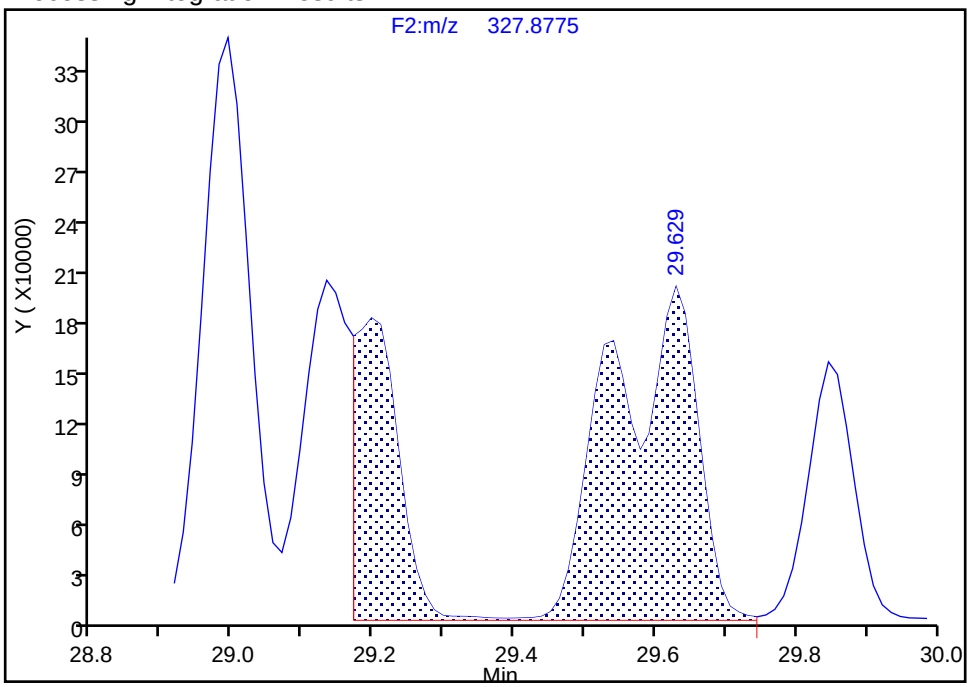
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 3

Processing Integration Results

RT: 29.63
Area: 6328800
Amount: 132.6847
Amount Units: pg/ul




Manual Integration Results

RT: 29.63
Area: 4361753
Amount: 91.445092
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:41:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

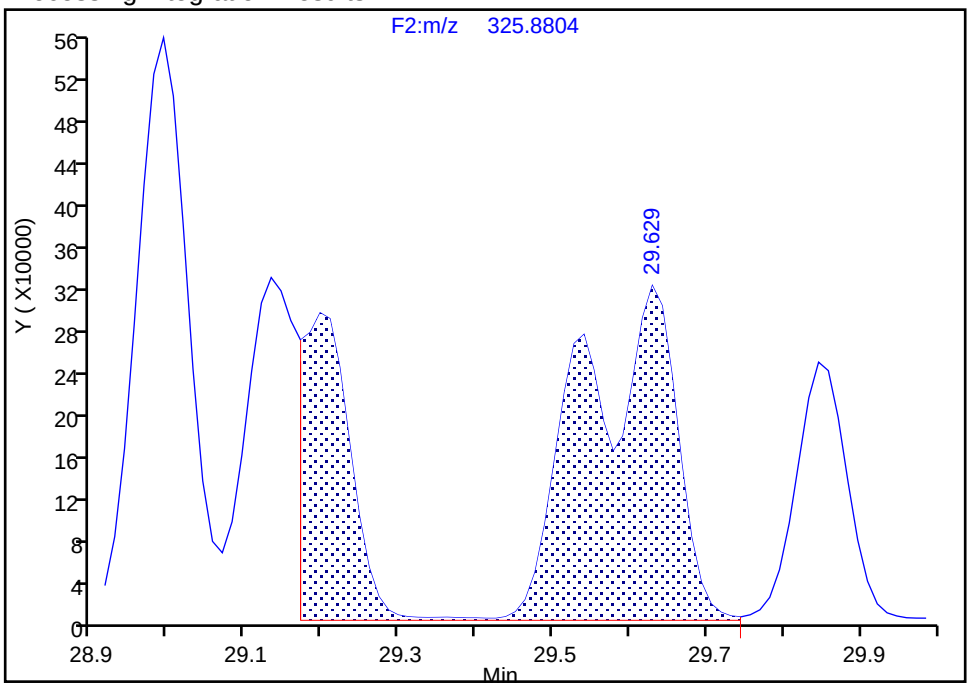
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

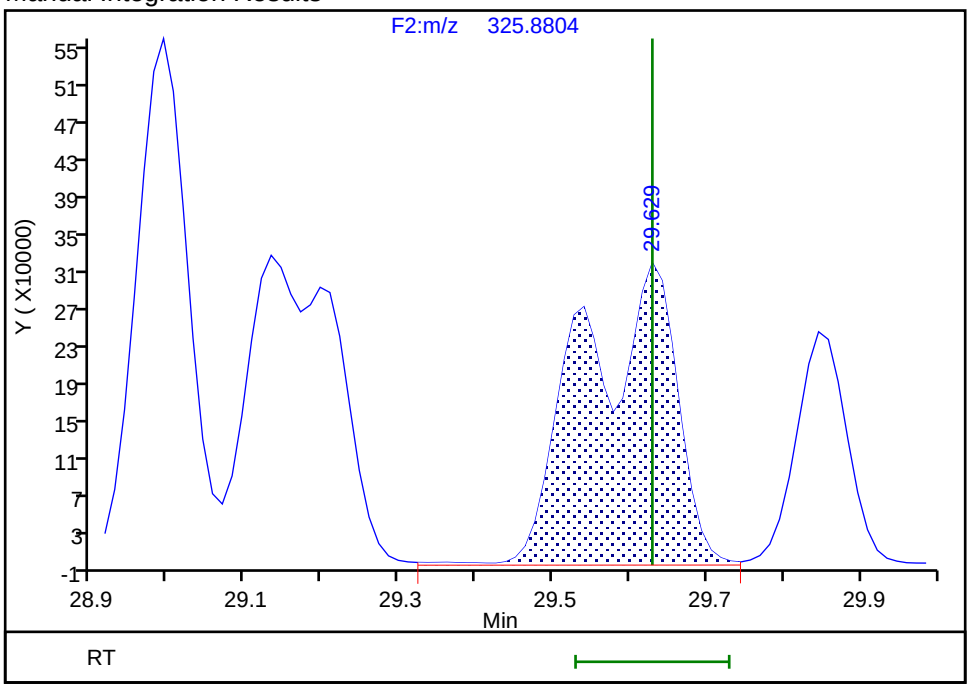
Processing Integration Results

RT: 29.63
Area: 3893447
Amount: 132.6847
Amount Units: pg/ul




Manual Integration Results

RT: 29.63
Area: 2684004
Amount: 91.445092
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:43

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

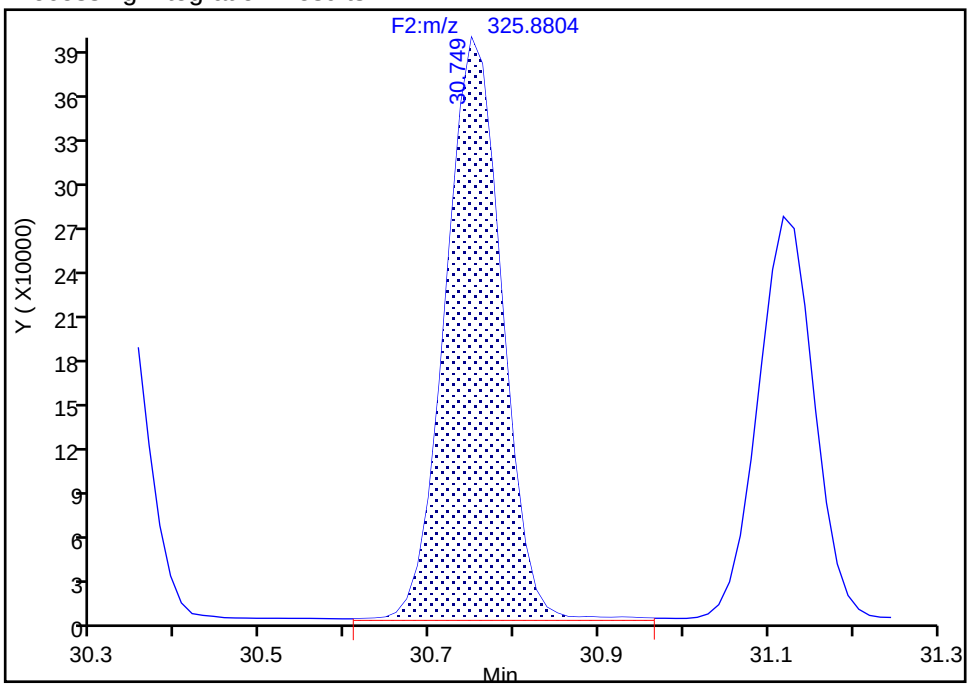
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-121, CAS: 56558-18-0

Signal: 1

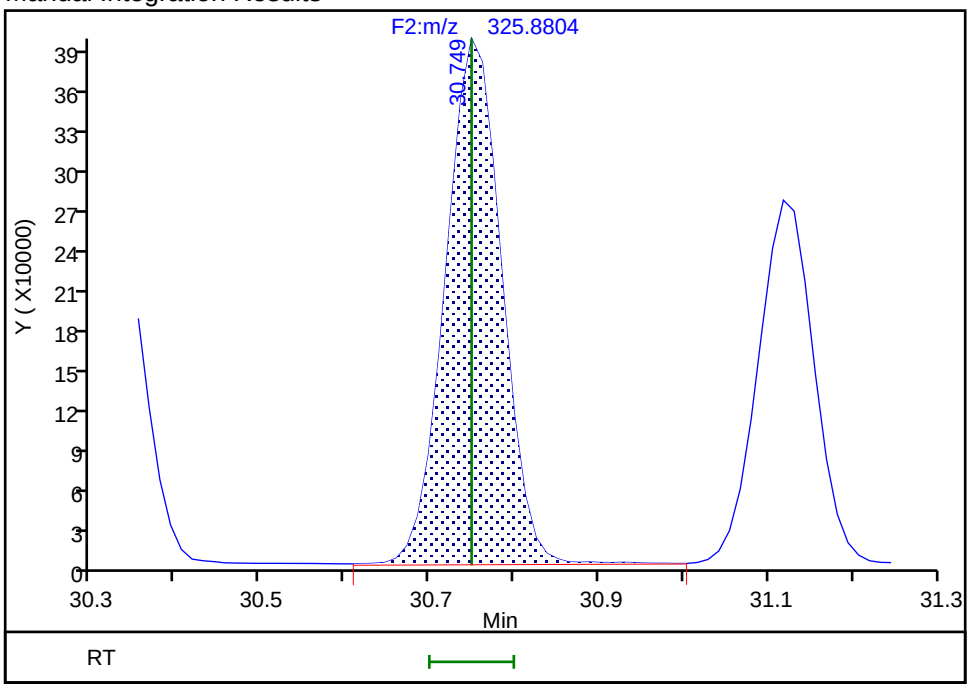
Processing Integration Results

RT: 30.75
Area: 1857213
Amount: 45.589215
Amount Units: pg/ul




Manual Integration Results

RT: 30.75
Area: 1848903
Amount: 45.463862
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

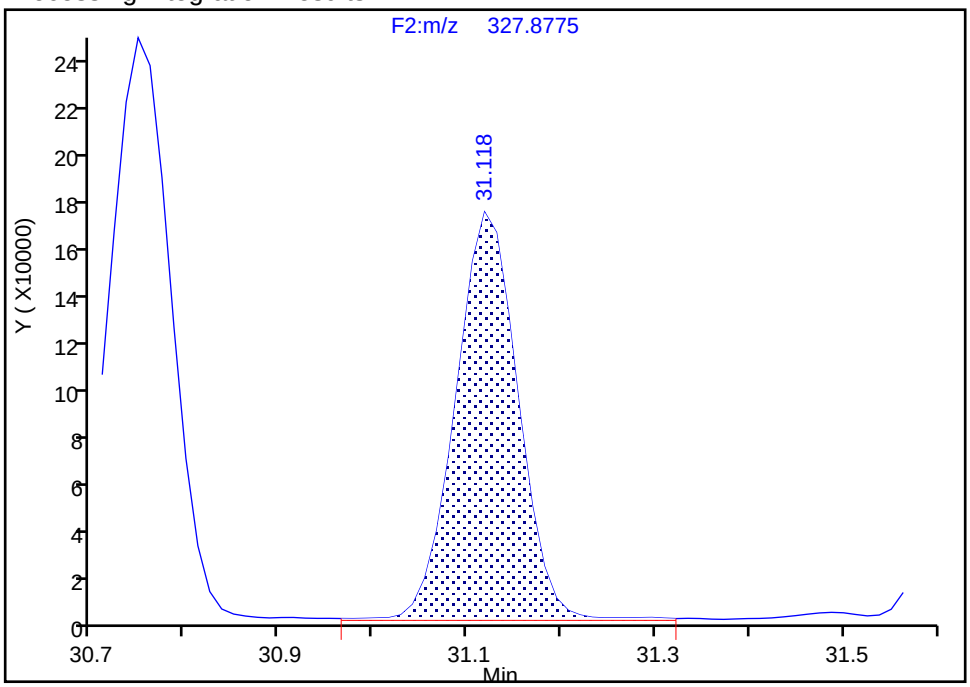
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 2

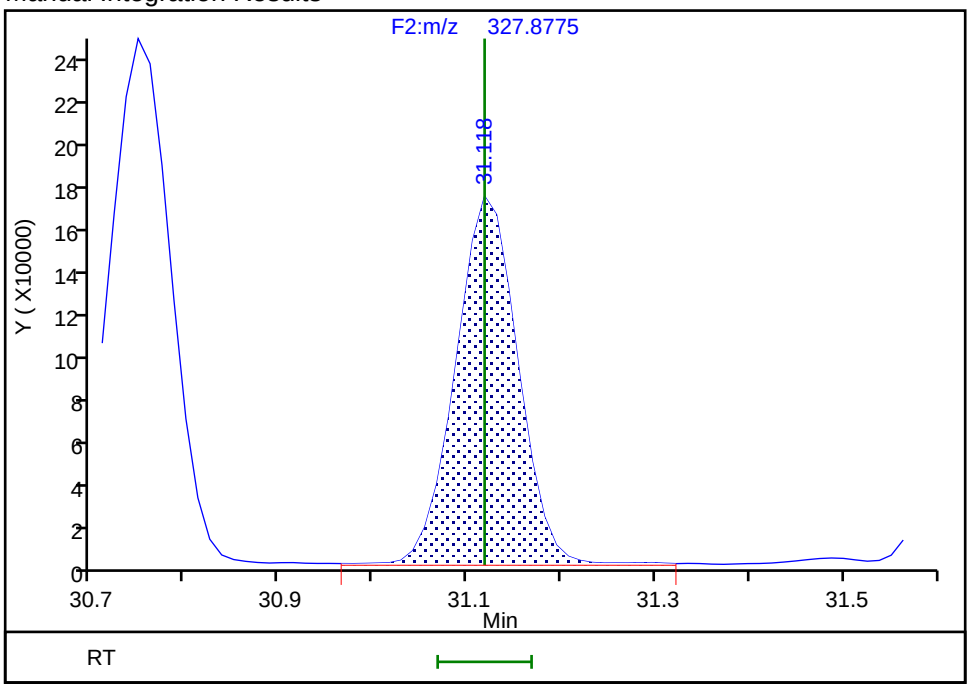
Processing Integration Results

RT: 31.12
Area: 813239
Amount: 31.029497
Amount Units: pg/ul




Manual Integration Results

RT: 31.12
Area: 813239
Amount: 46.106621
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

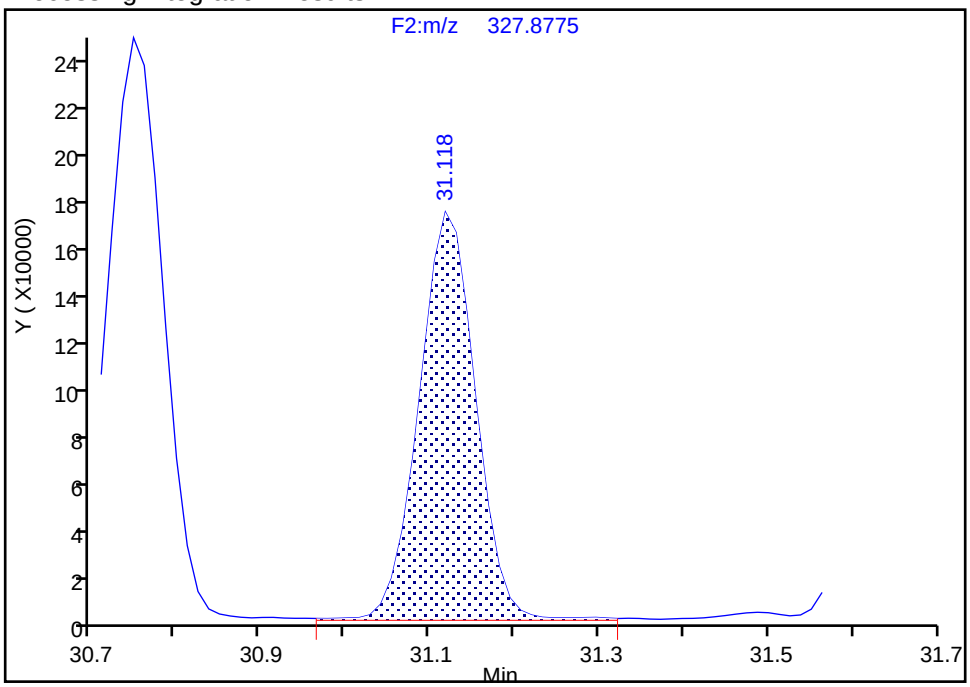
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 3

Processing Integration Results

RT: 31.11
Area: 1403449
Amount: 31.029497
Amount Units: pg/ul




Manual Integration Results

RT: 31.12
Area: 2085380
Amount: 46.106621
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:41:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

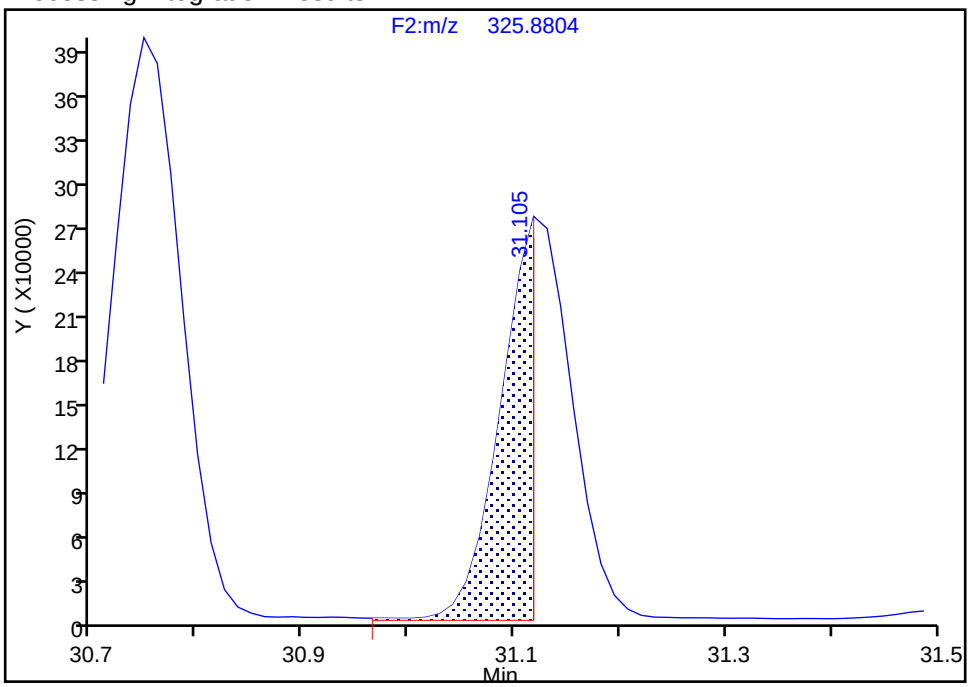
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-92, CAS: 52663-61-3

Signal: 1

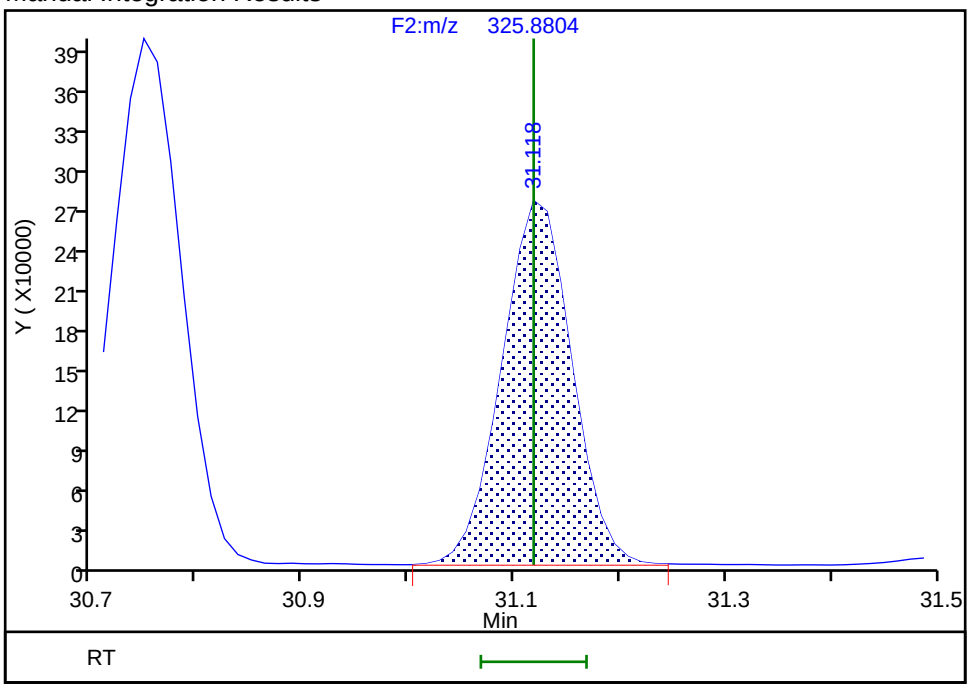
Processing Integration Results

RT: 31.11
Area: 590210
Amount: 31.029497
Amount Units: pg/ul




Manual Integration Results

RT: 31.12
Area: 1272141
Amount: 46.106621
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:15
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

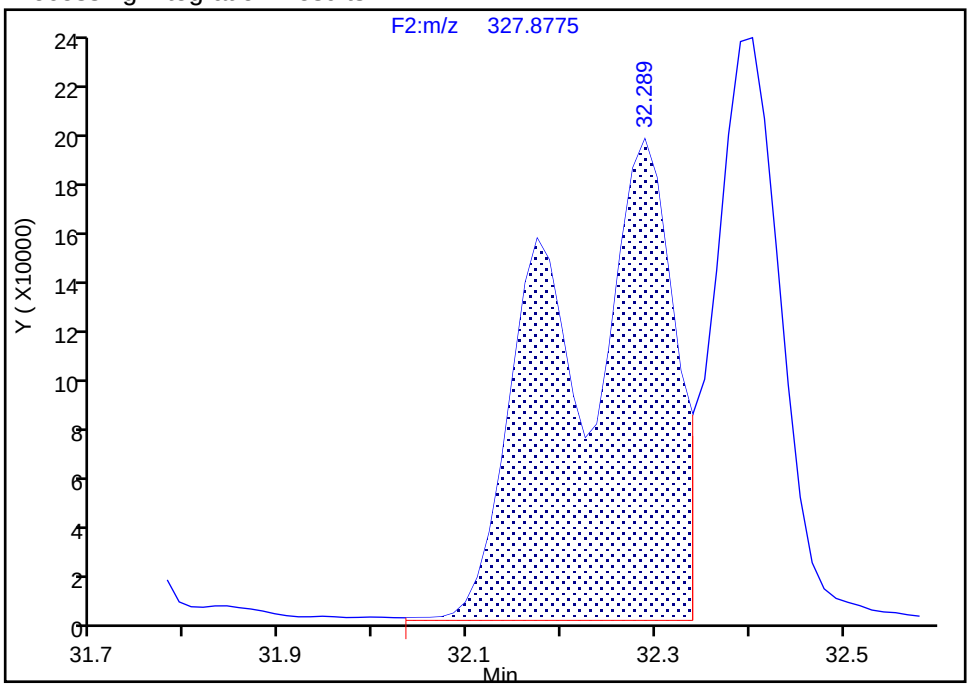
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-83/99, CAS: STL01809

Signal: 2

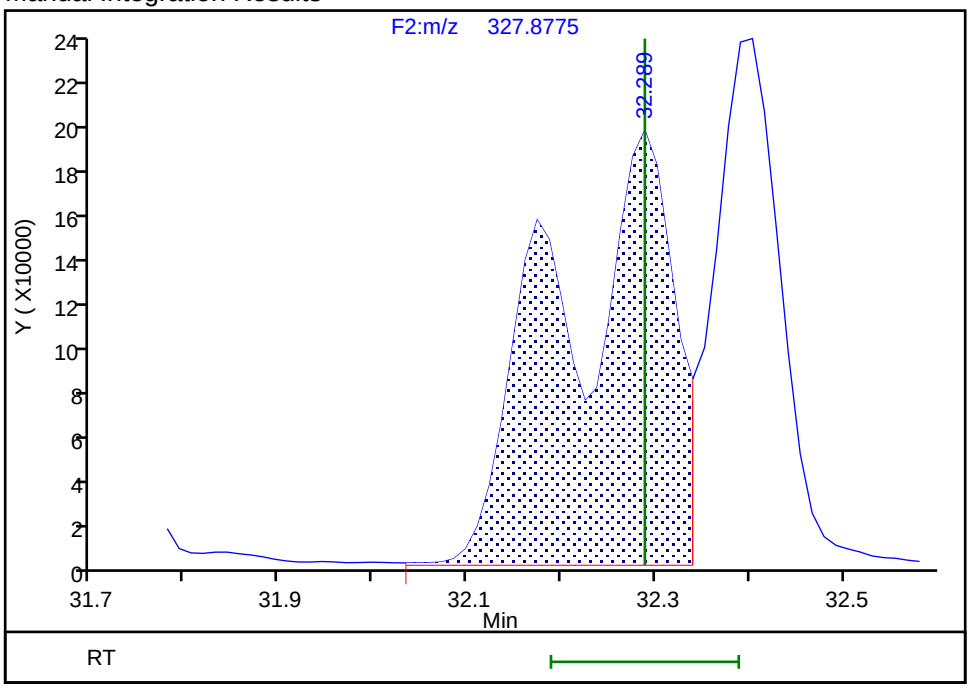
Processing Integration Results

RT: 32.29
Area: 1618864
Amount: 94.761735
Amount Units: pg/ul




Manual Integration Results

RT: 32.29
Area: 1618864
Amount: 93.465432
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

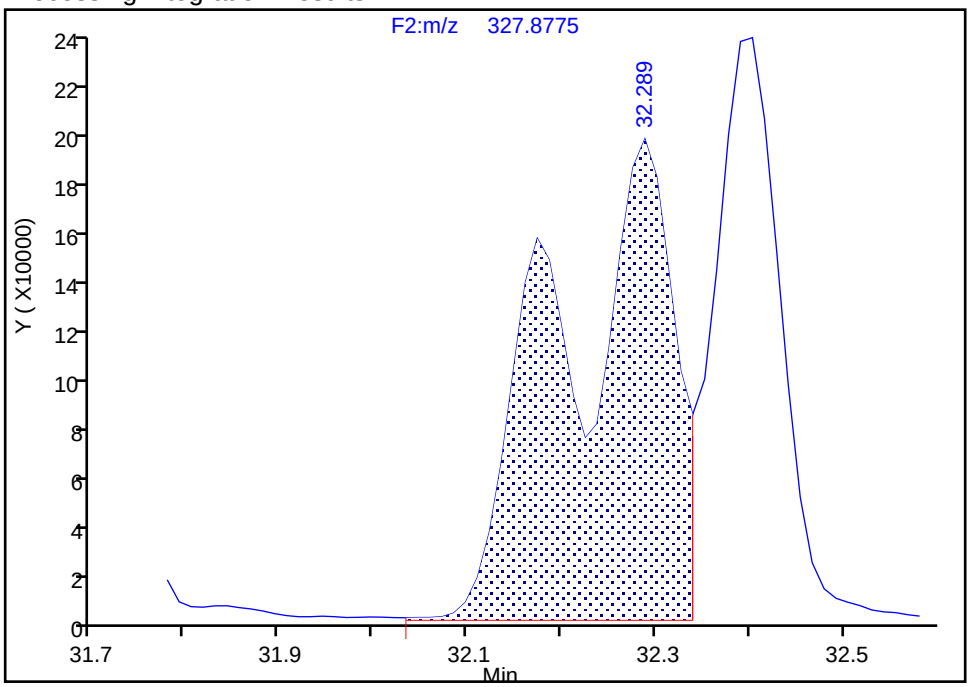
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.29
Area: 4223585
Amount: 94.761735
Amount Units: pg/ul




Manual Integration Results

RT: 32.29
Area: 4165808
Amount: 93.465432
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:41:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

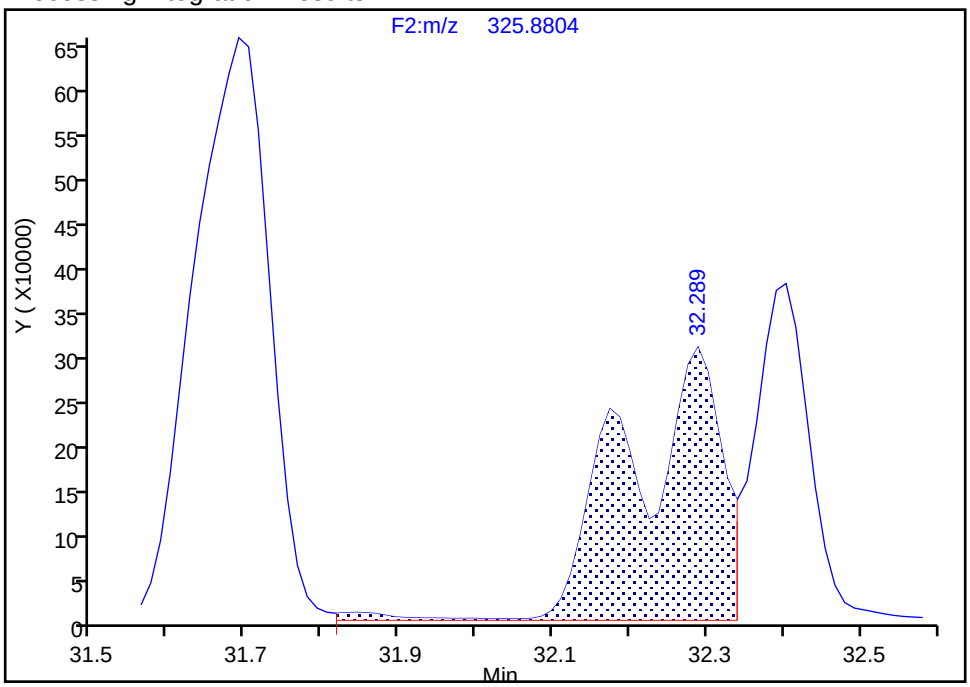
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

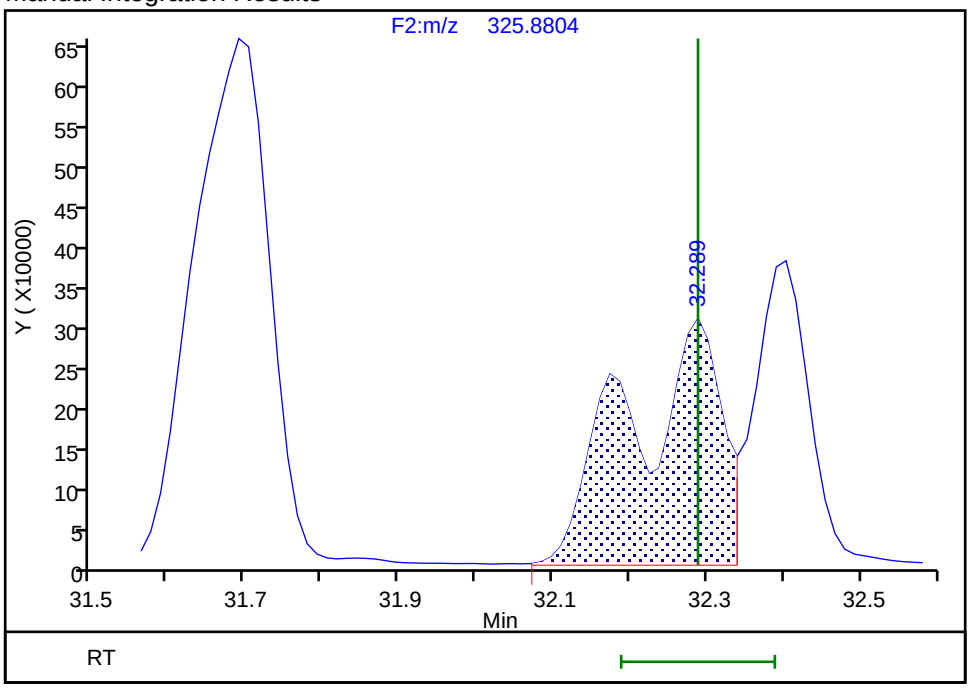
Processing Integration Results

RT: 32.29
Area: 2604721
Amount: 94.761735
Amount Units: pg/ul




Manual Integration Results

RT: 32.29
Area: 2546944
Amount: 93.465432
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:41:34

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

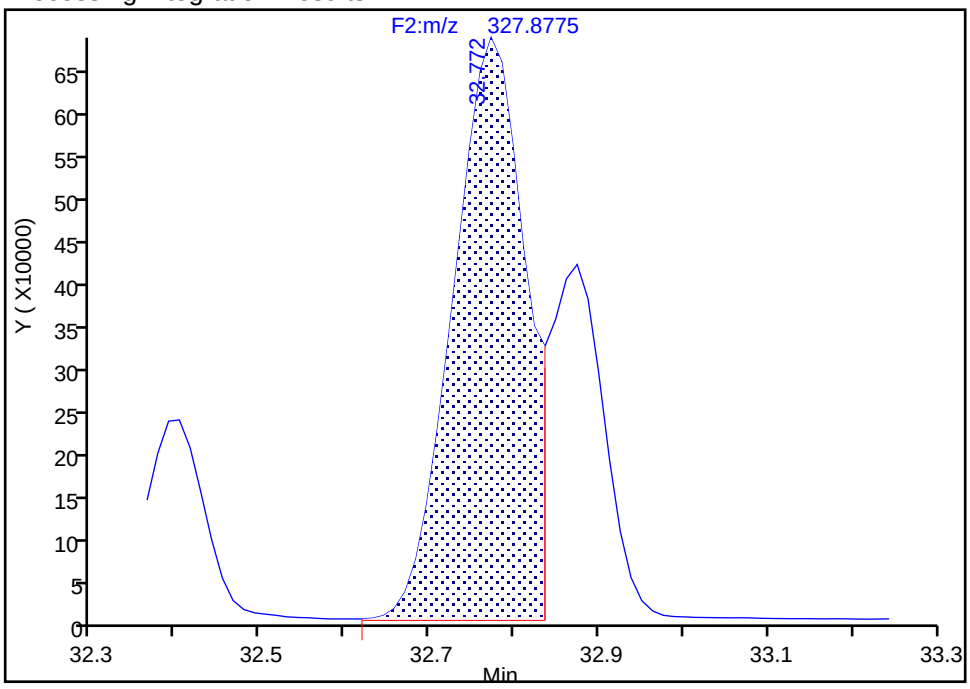
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

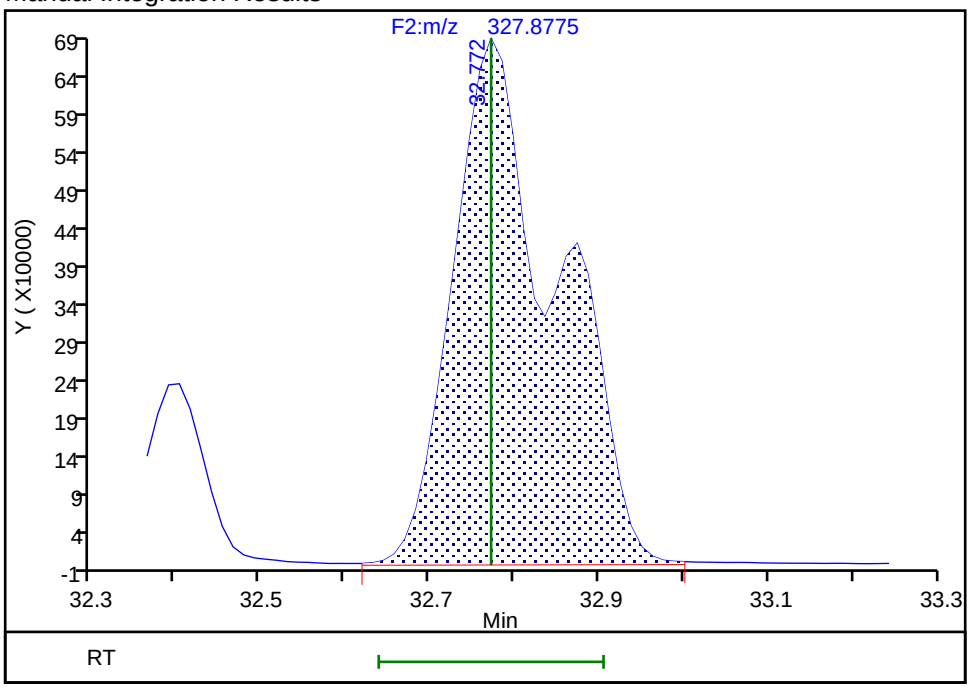
Processing Integration Results

RT: 32.77
Area: 4024492
Amount: 182.6863
Amount Units: pg/ul




Manual Integration Results

RT: 32.77
Area: 5845962
Amount: 265.9174
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:42:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

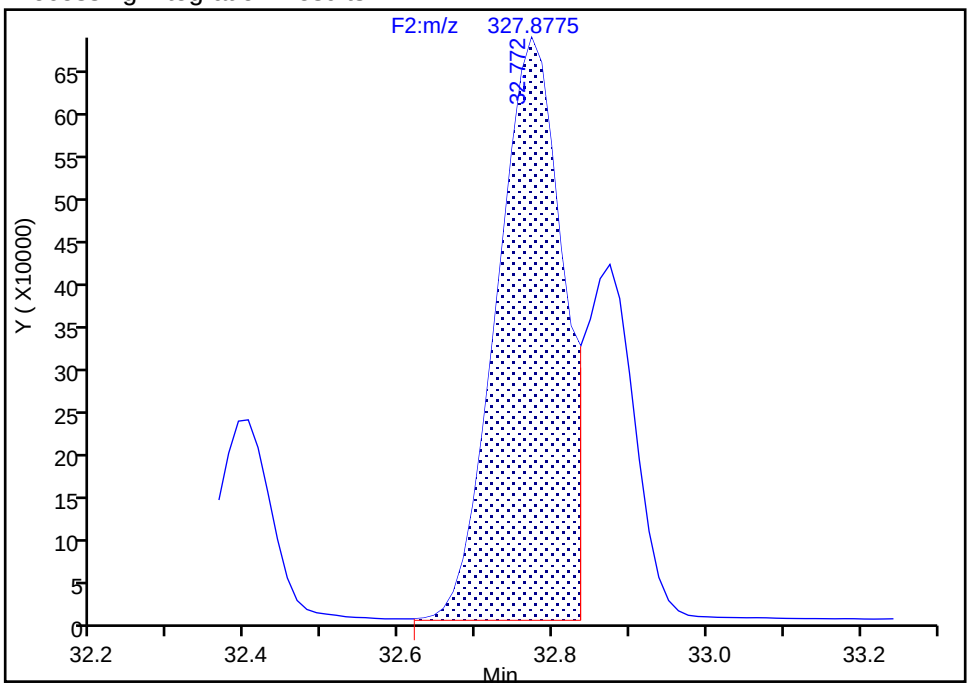
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.77
Area: 10365520
Amount: 182.6863
Amount Units: pg/ul




Manual Integration Results

RT: 32.77
Area: 15088007
Amount: 265.9174
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:42:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

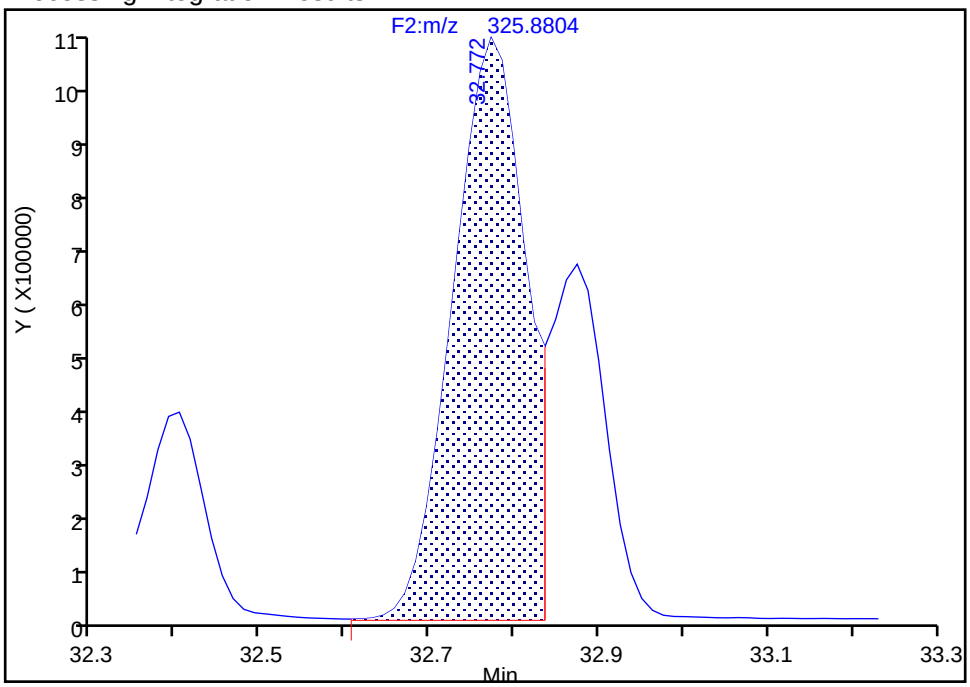
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

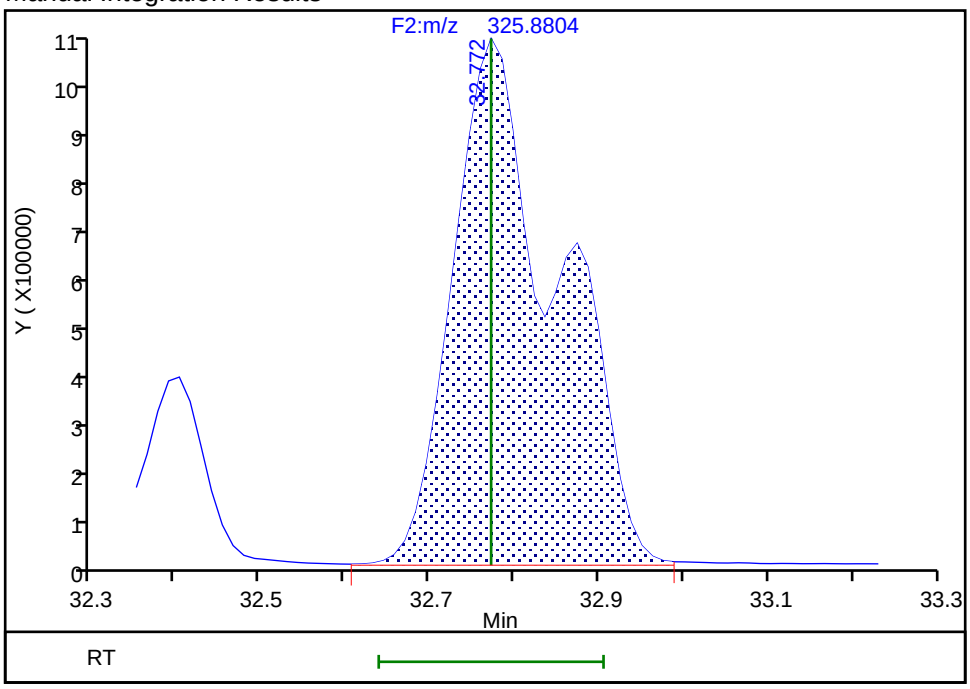
Processing Integration Results

RT: 32.77
Area: 6341028
Amount: 182.6863
Amount Units: pg/ul




Manual Integration Results

RT: 32.77
Area: 9242045
Amount: 265.9174
Amount Units: pg/ul



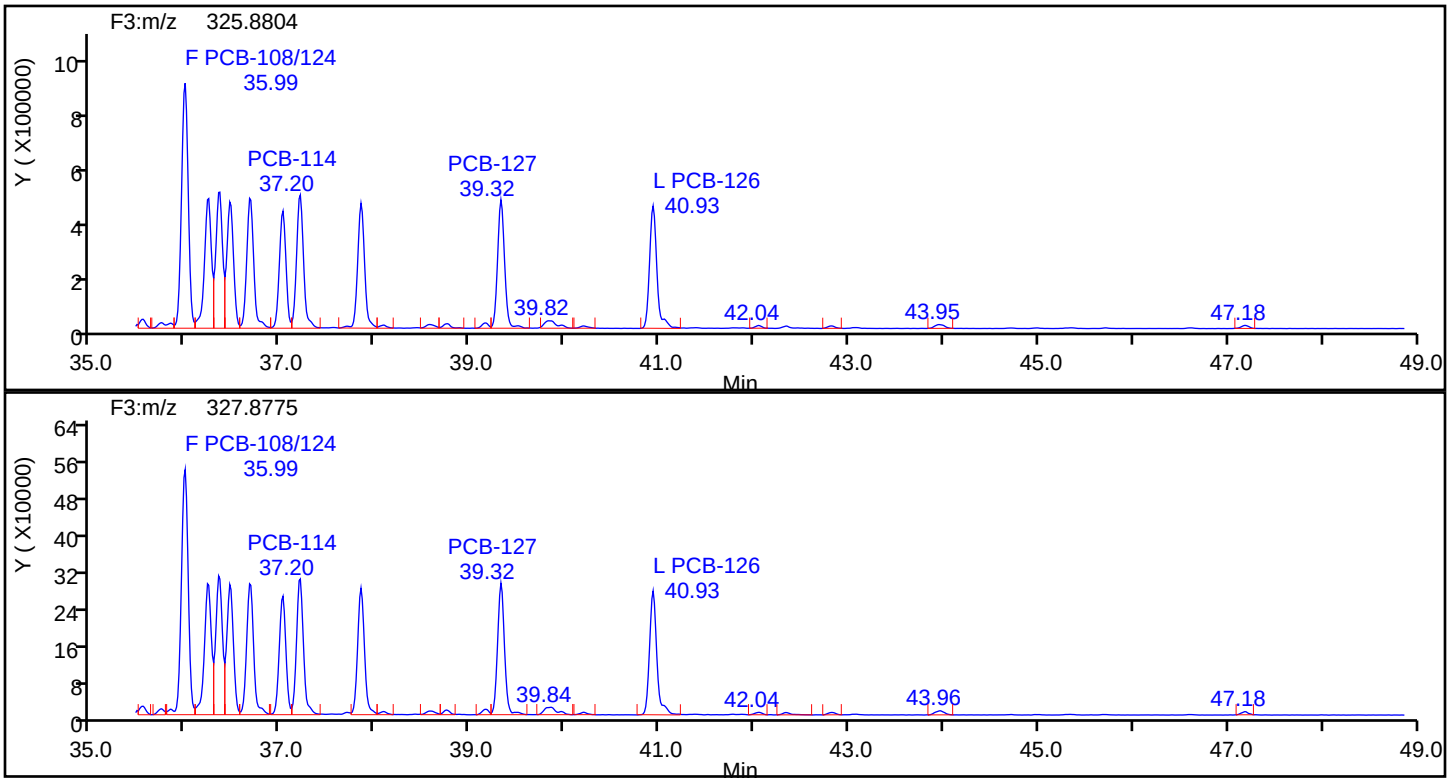

Reviewer: mcwhirterl, 03-Oct-2019 23:42:15

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

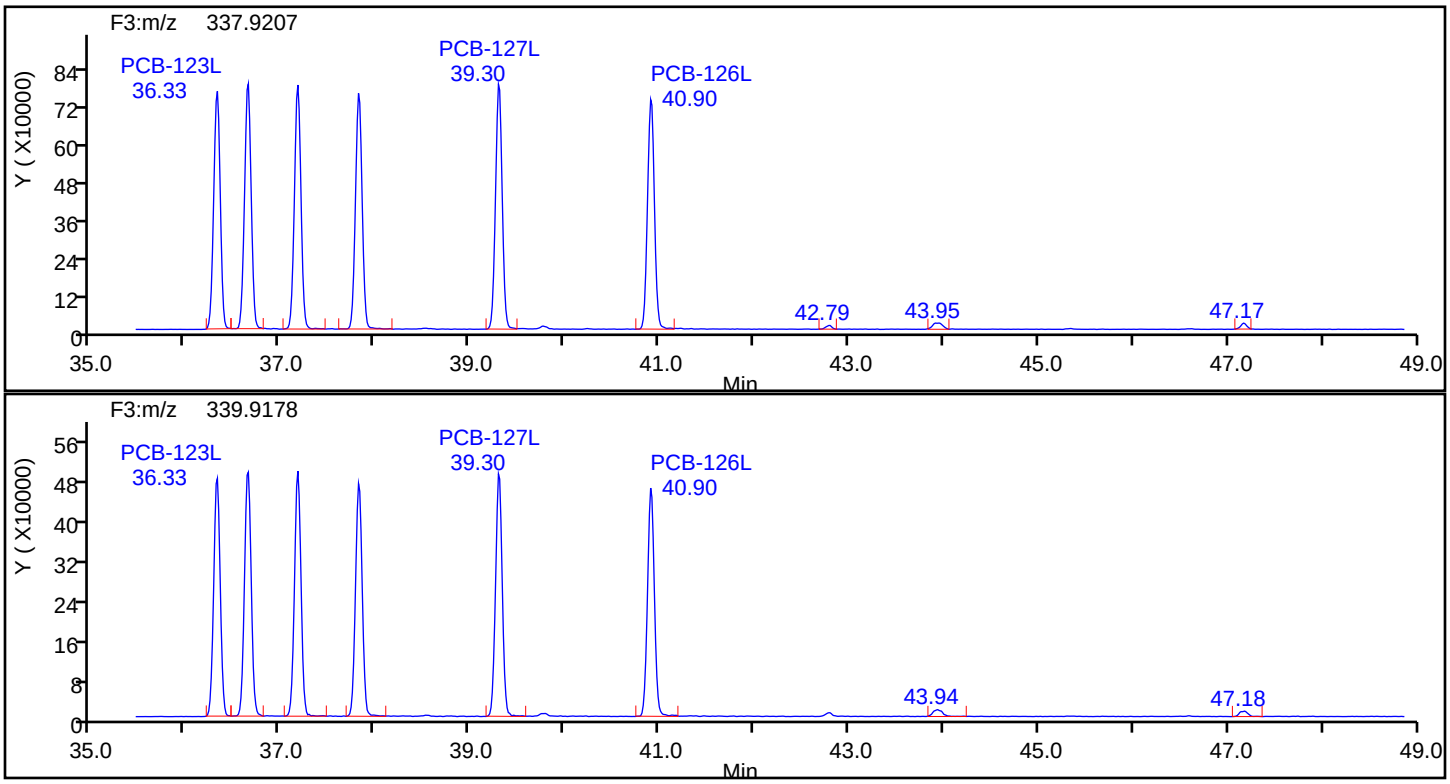
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



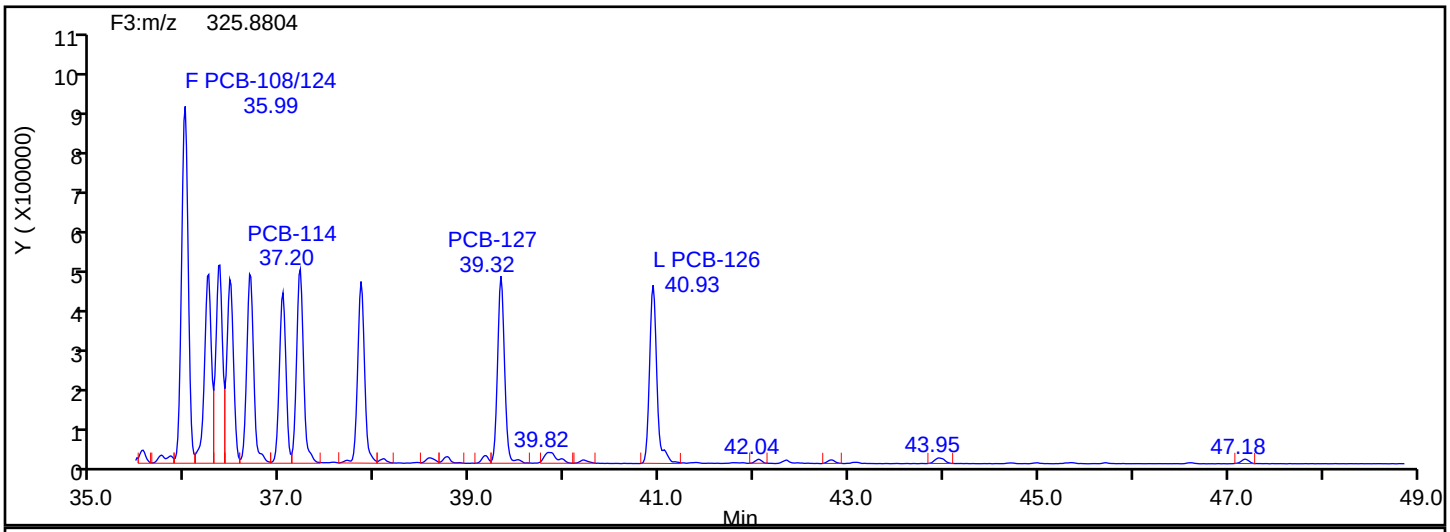

PePCB F3 Standards

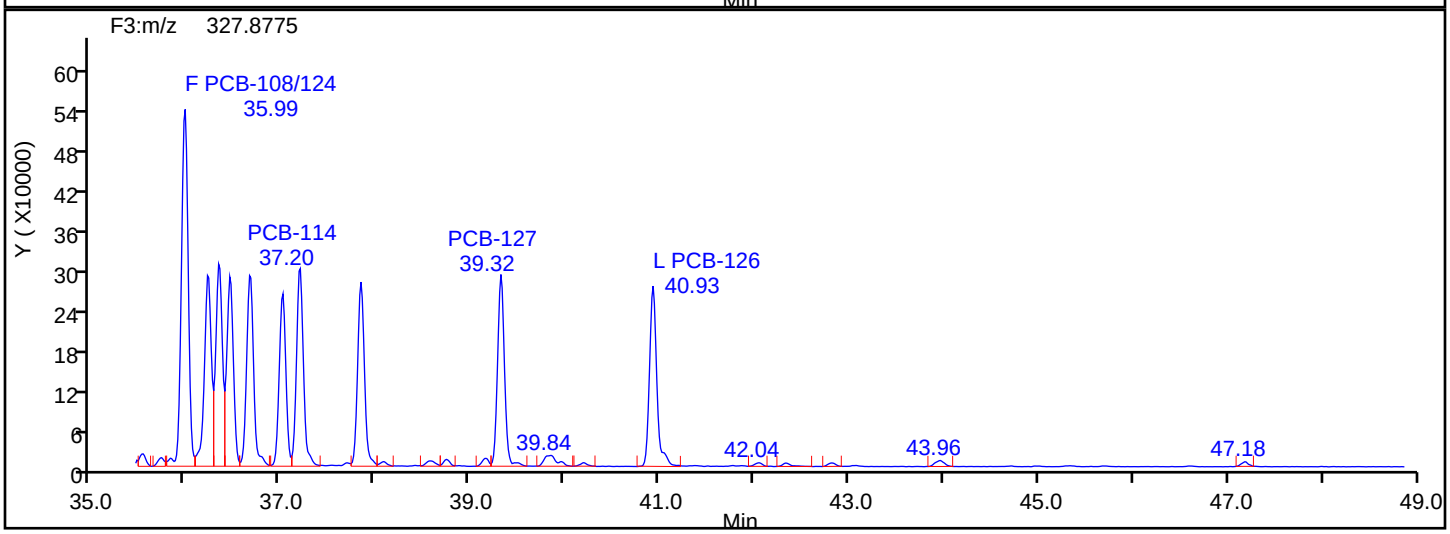


Eurofins TestAmerica, Knoxville

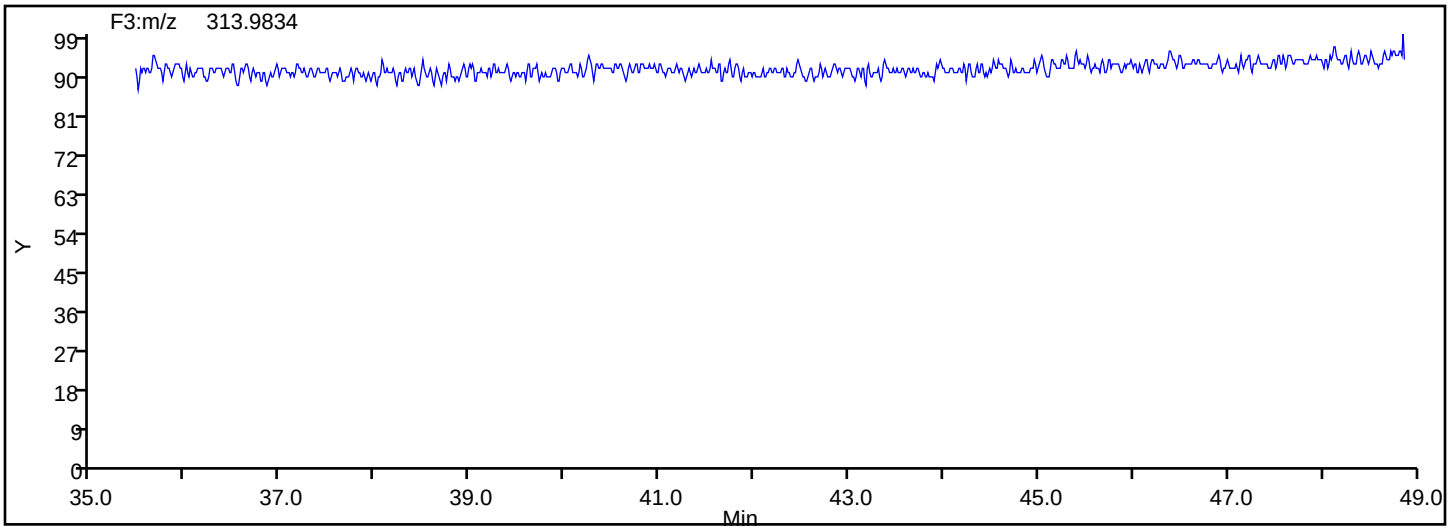
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



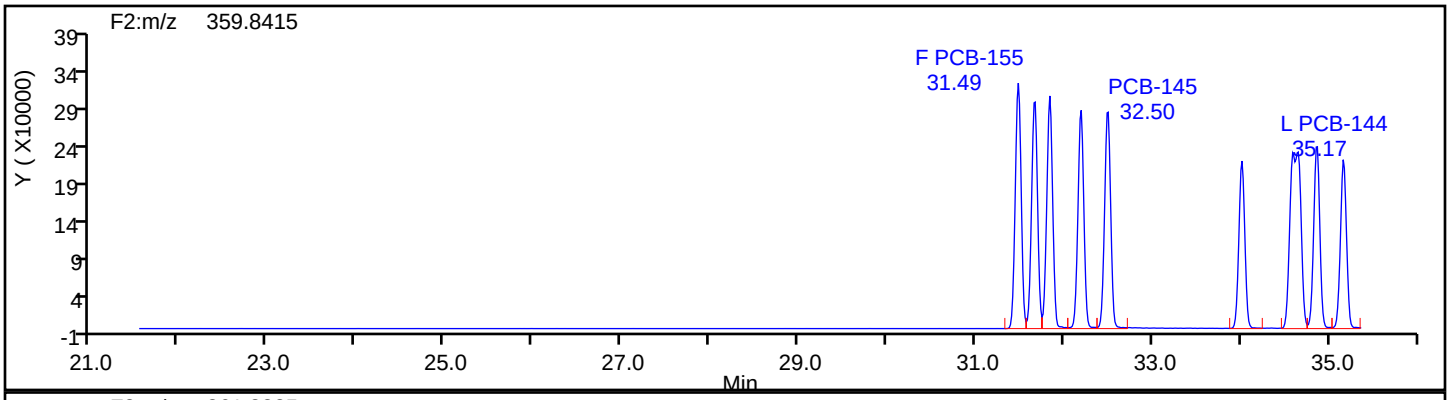

PePCB F3 Lock Mass

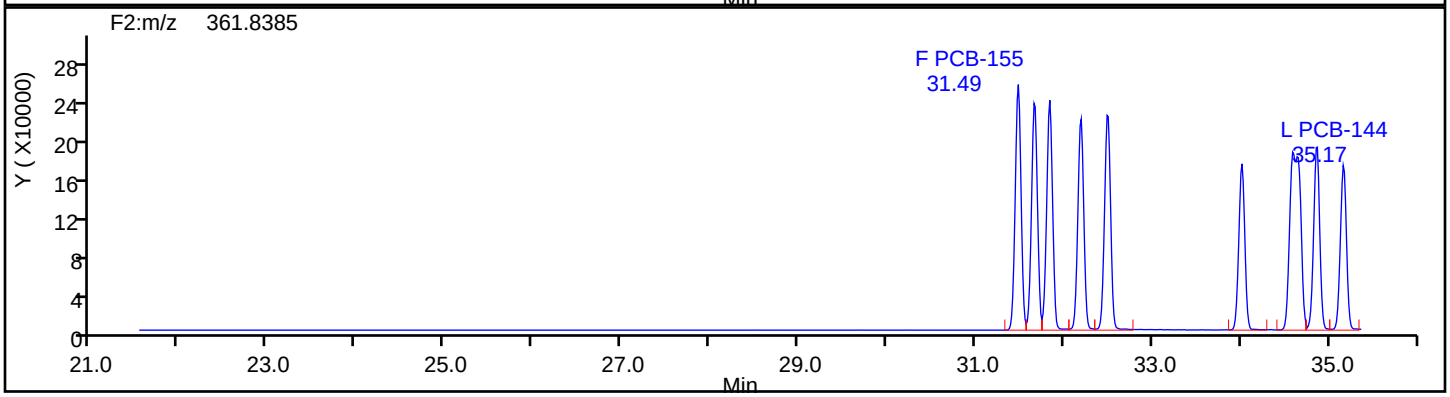


Eurofins TestAmerica, Knoxville

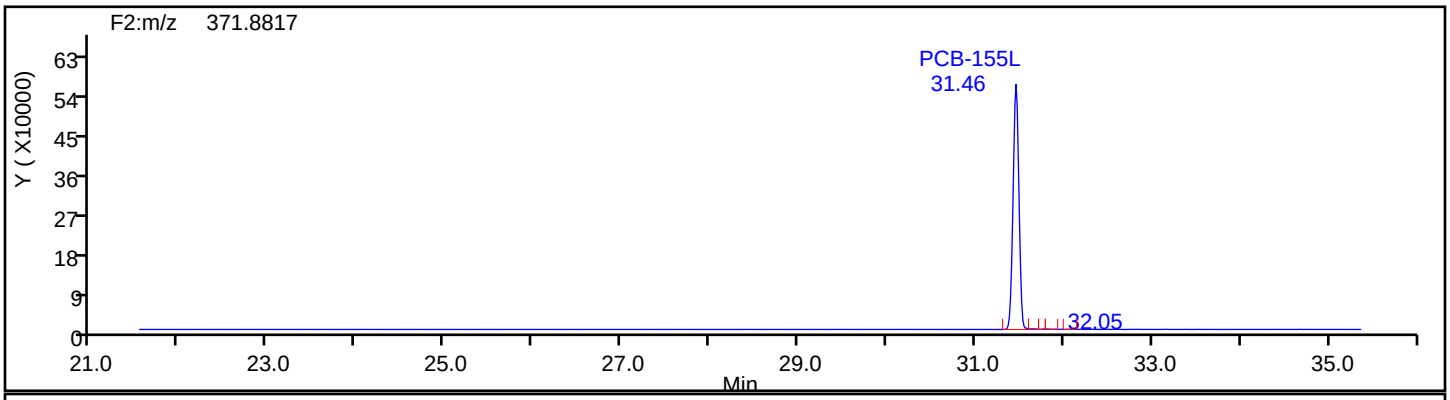
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

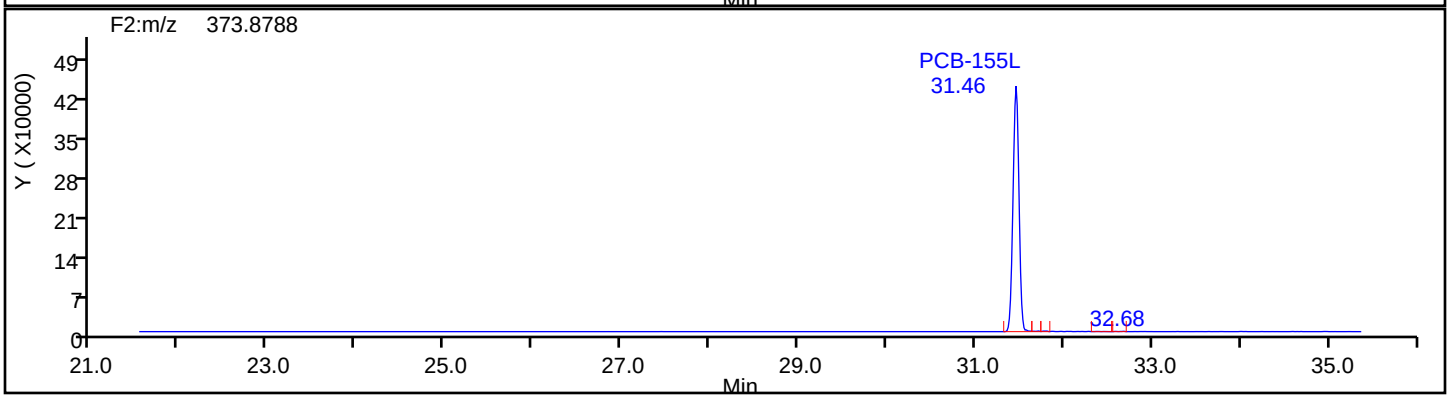
HxPCB F2




HxPCB F2 Standards

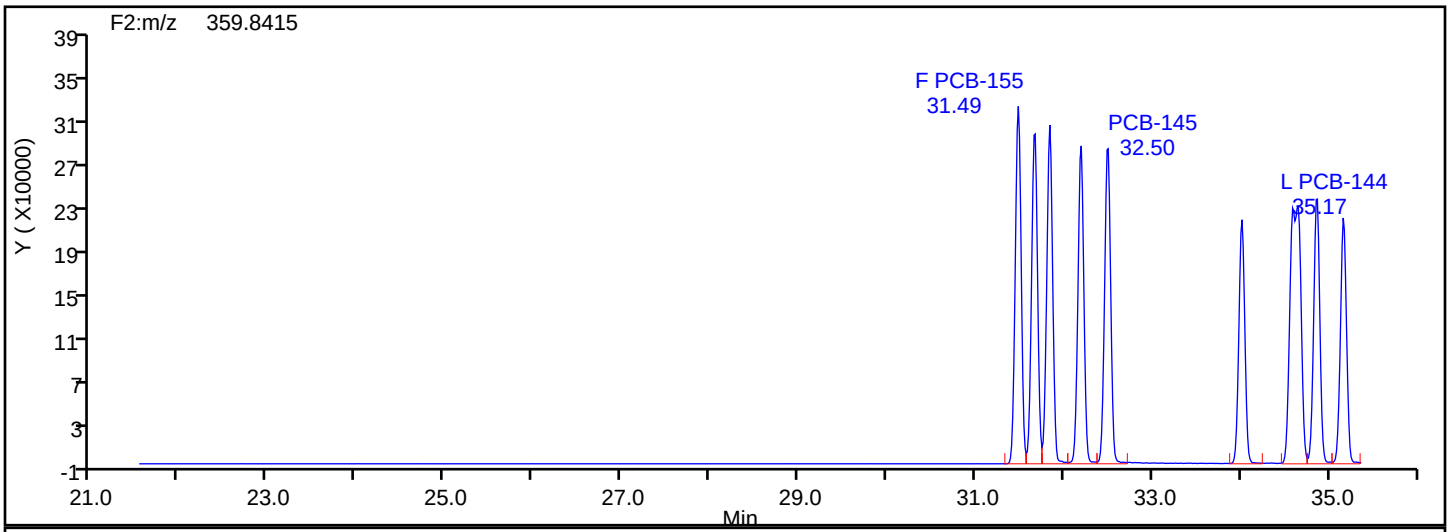


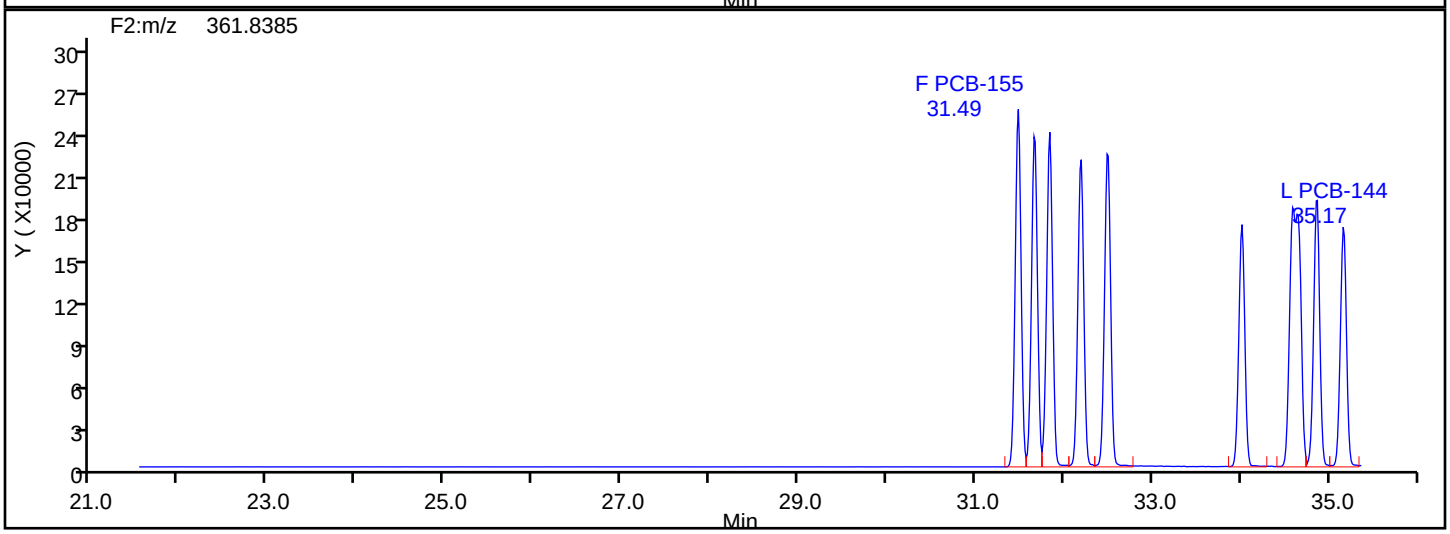



Eurofins TestAmerica, Knoxville

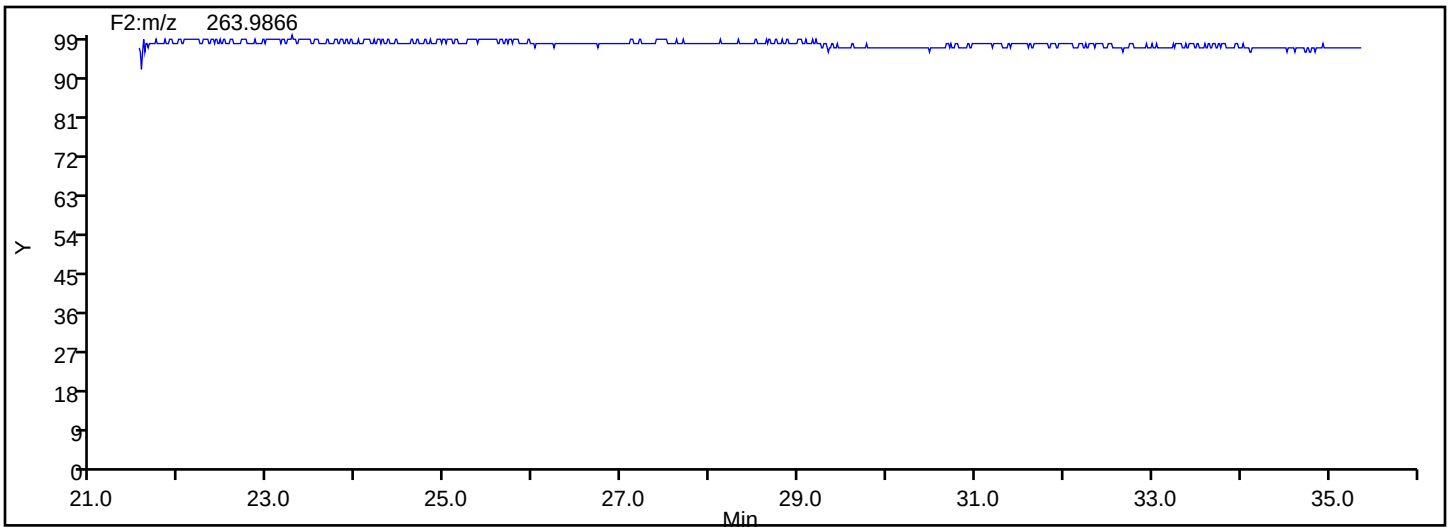
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

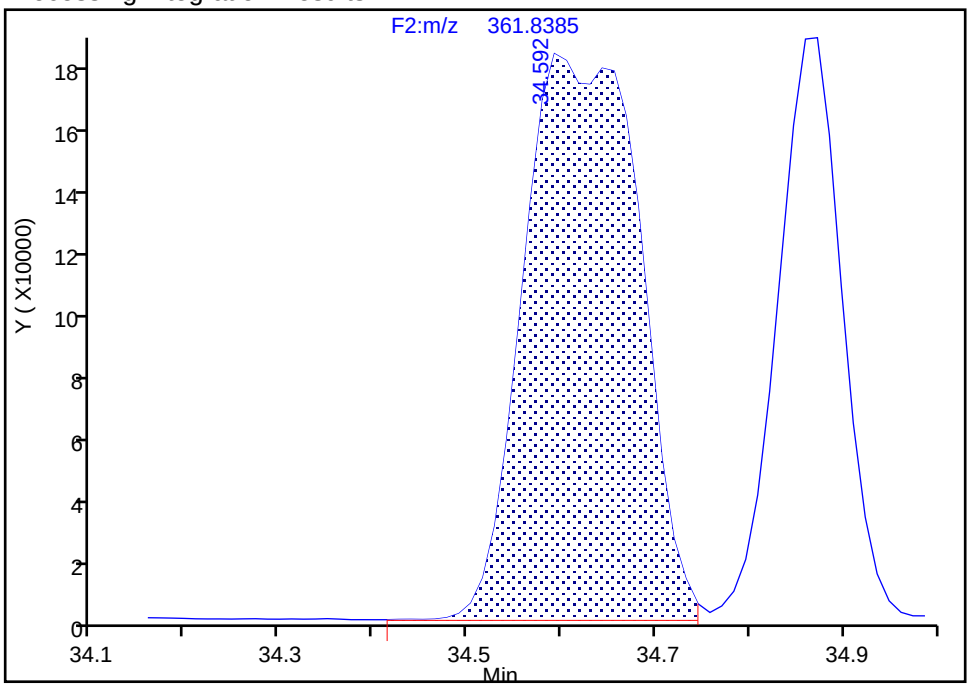
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

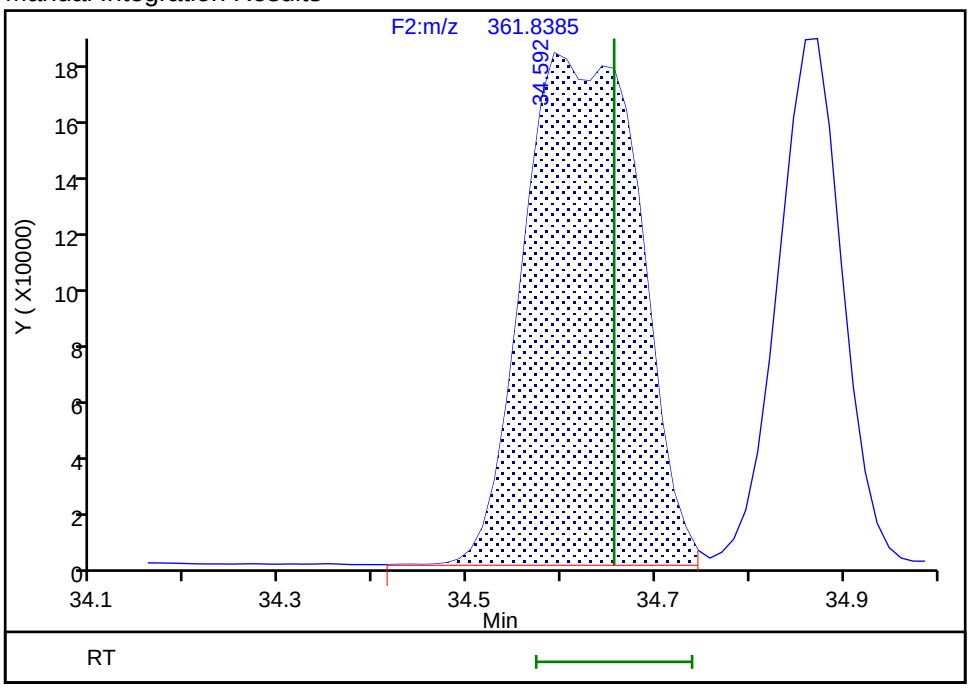
Processing Integration Results

RT: 34.59
Area: 1590049
Amount: 62.276319
Amount Units: pg/ul




Manual Integration Results

RT: 34.59
Area: 1590049
Amount: 89.476518
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:42:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

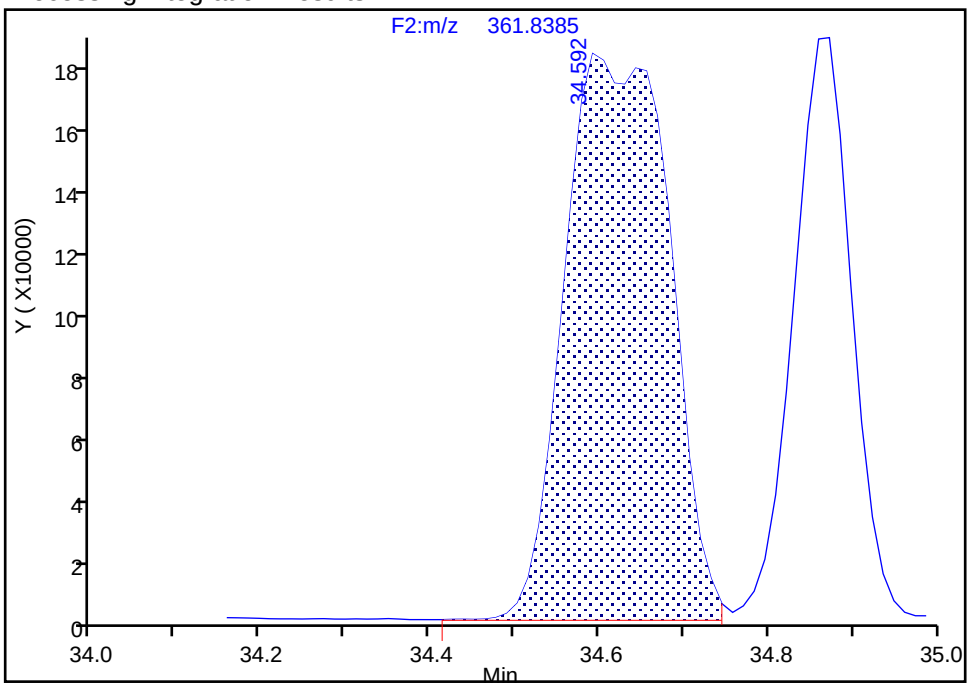
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.59
Area: 2496447
Amount: 62.276319
Amount Units: pg/ul




Manual Integration Results

RT: 34.66
Area: 3586811
Amount: 89.476518
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:42:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

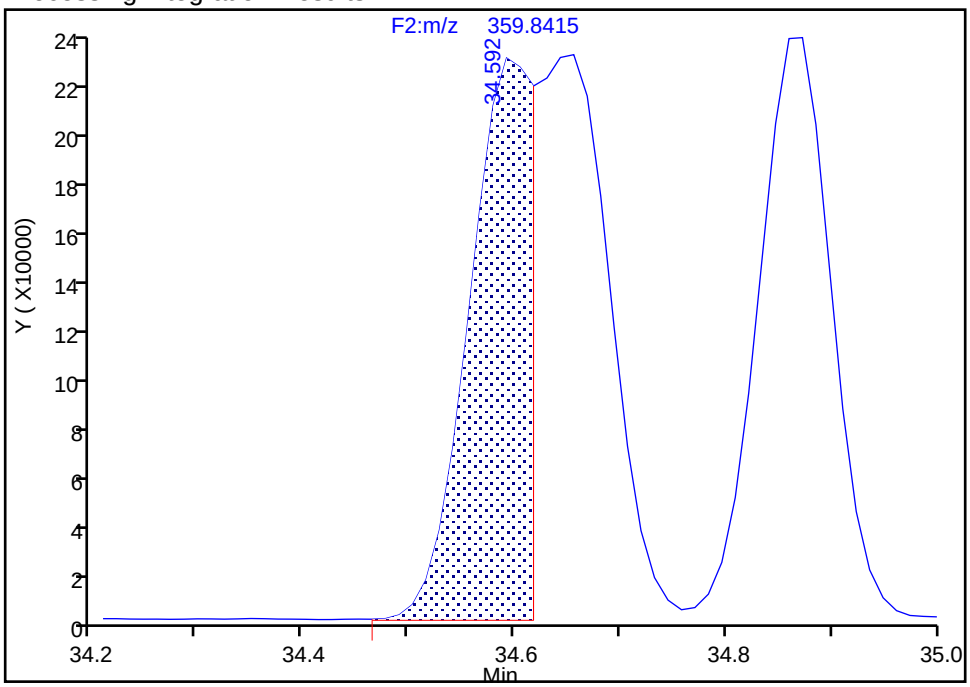
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

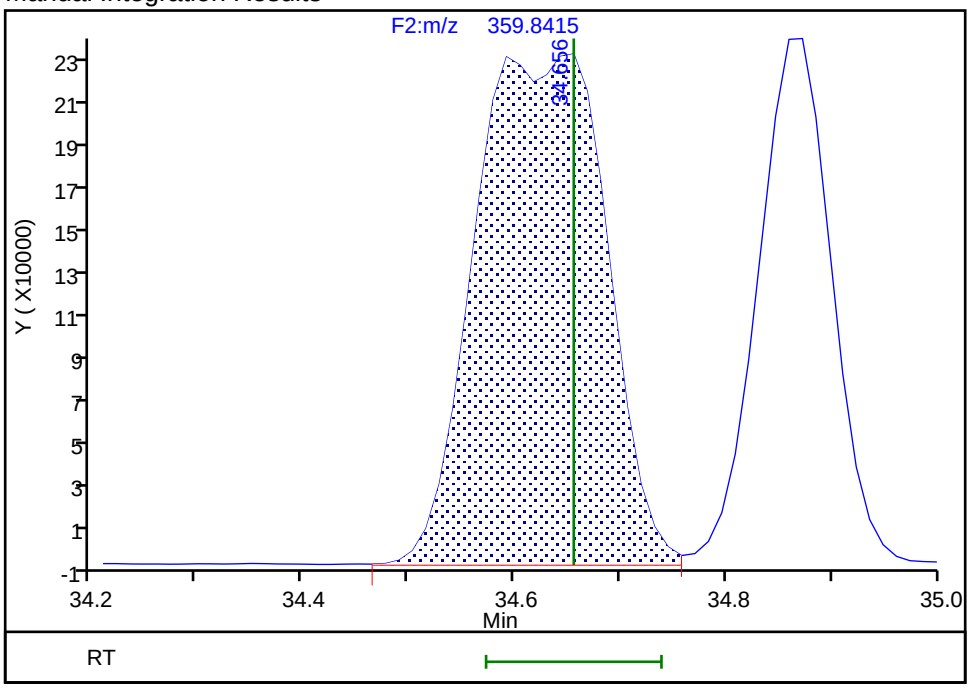
Processing Integration Results

RT: 34.59
Area: 906398
Amount: 62.276319
Amount Units: pg/ul




Manual Integration Results

RT: 34.66
Area: 1996762
Amount: 89.476518
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:42:41

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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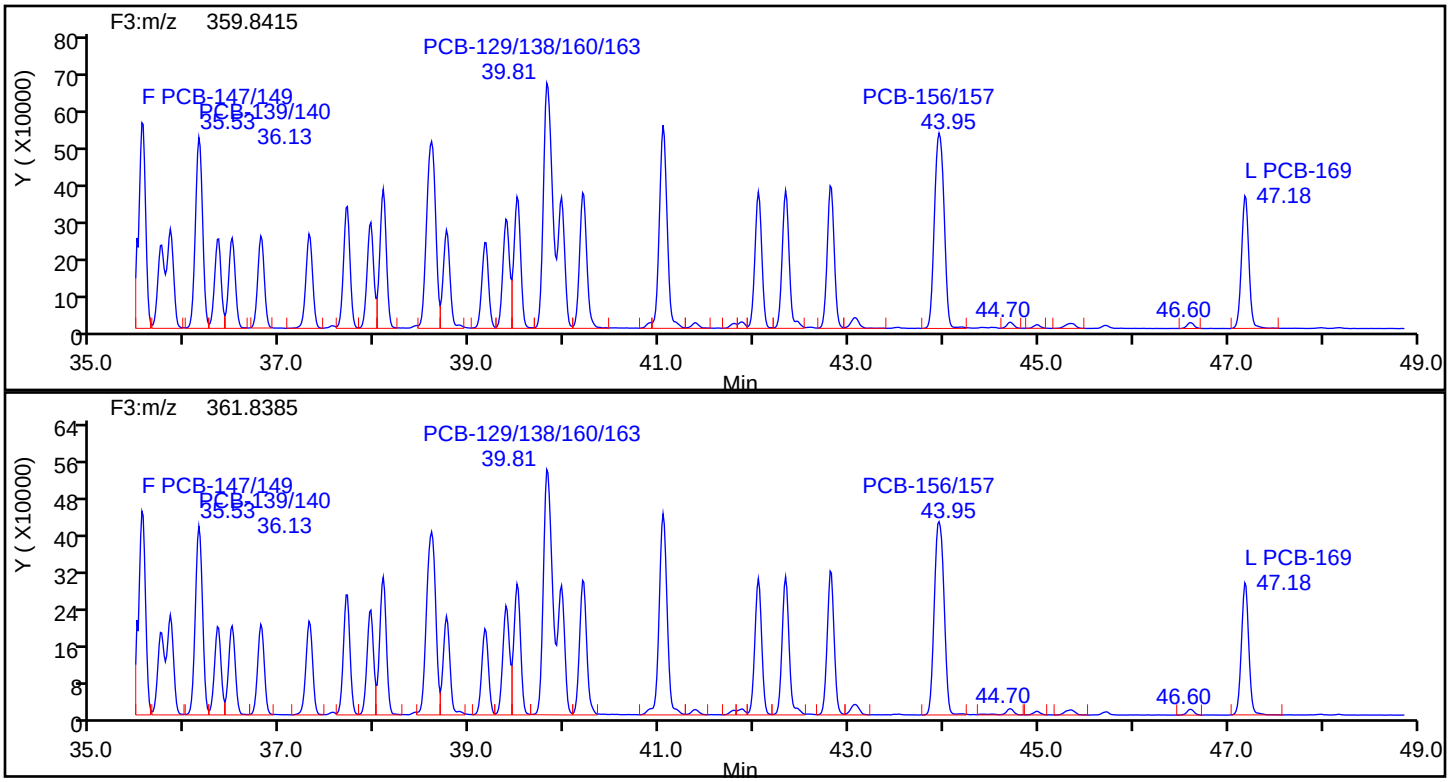
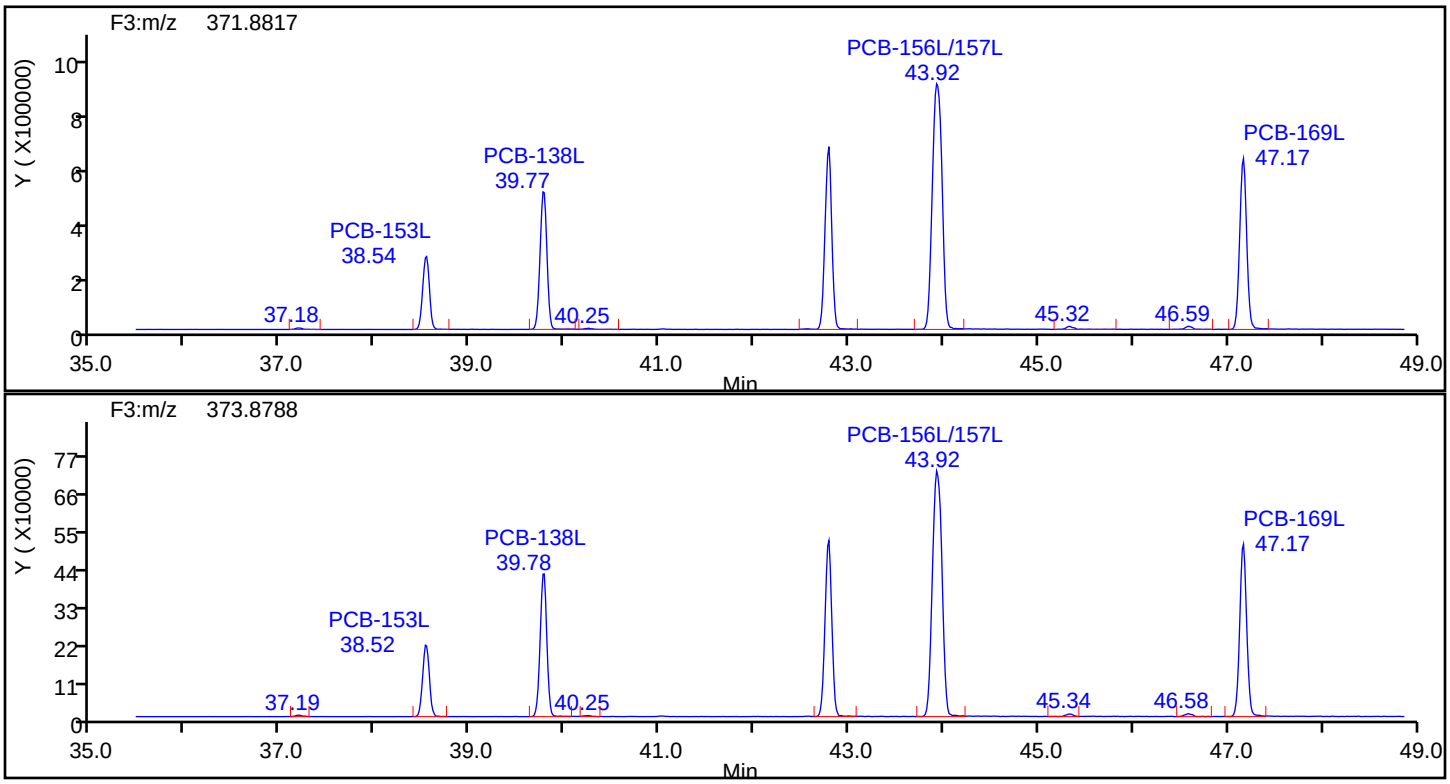
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



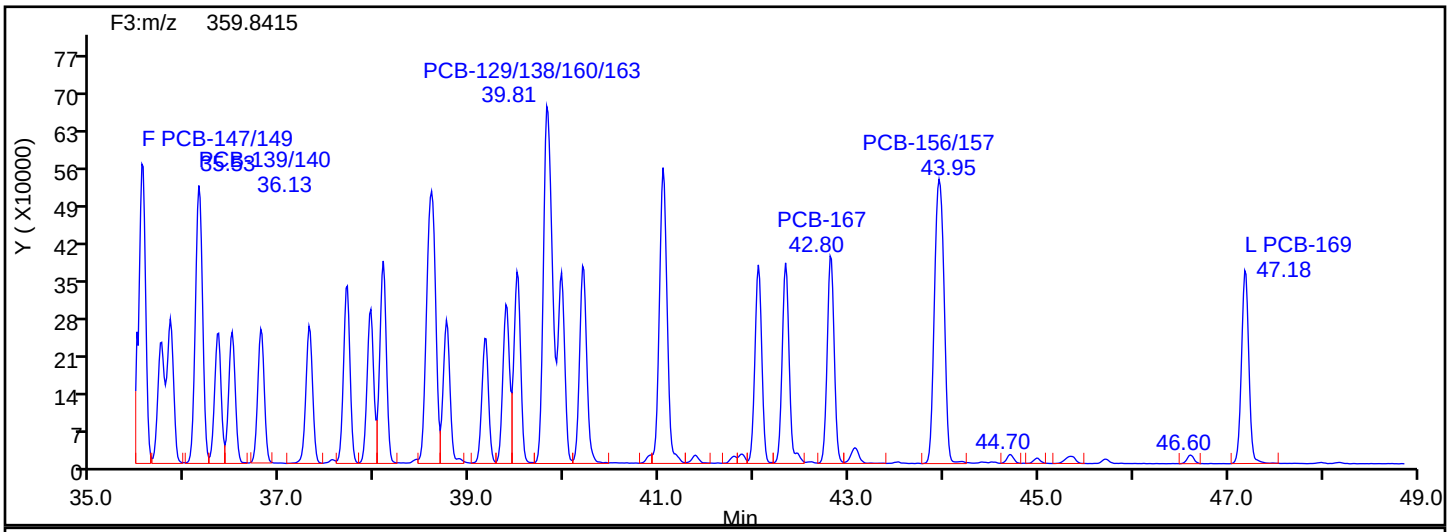

HxPCB F3 Standards

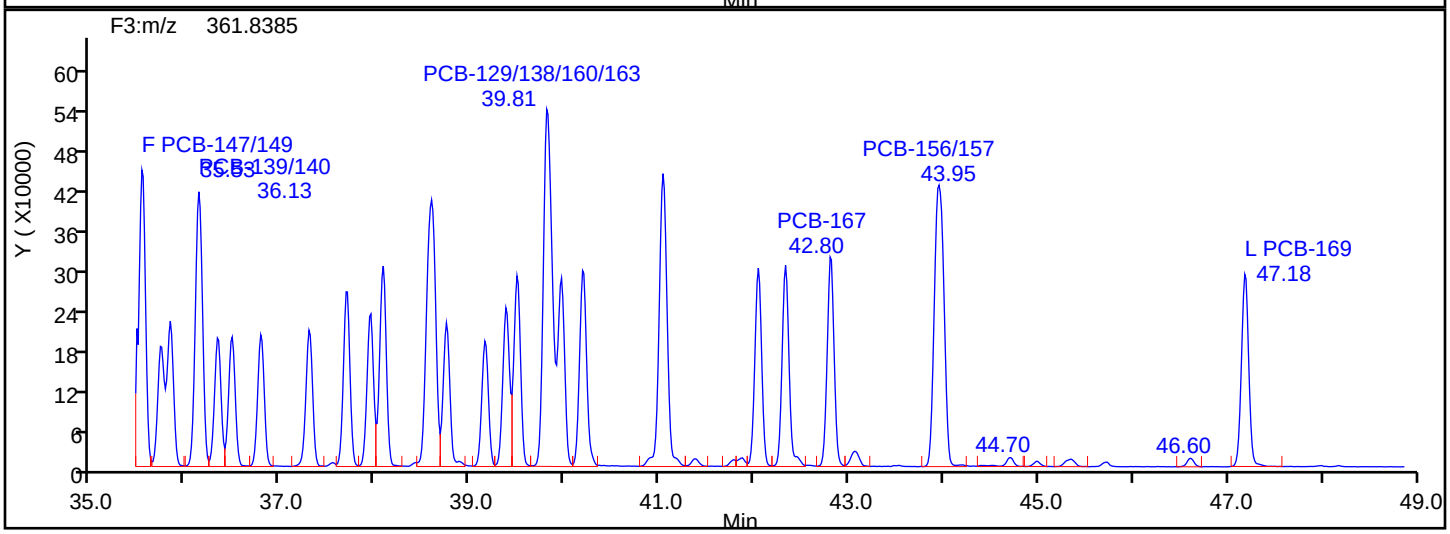


Eurofins TestAmerica, Knoxville

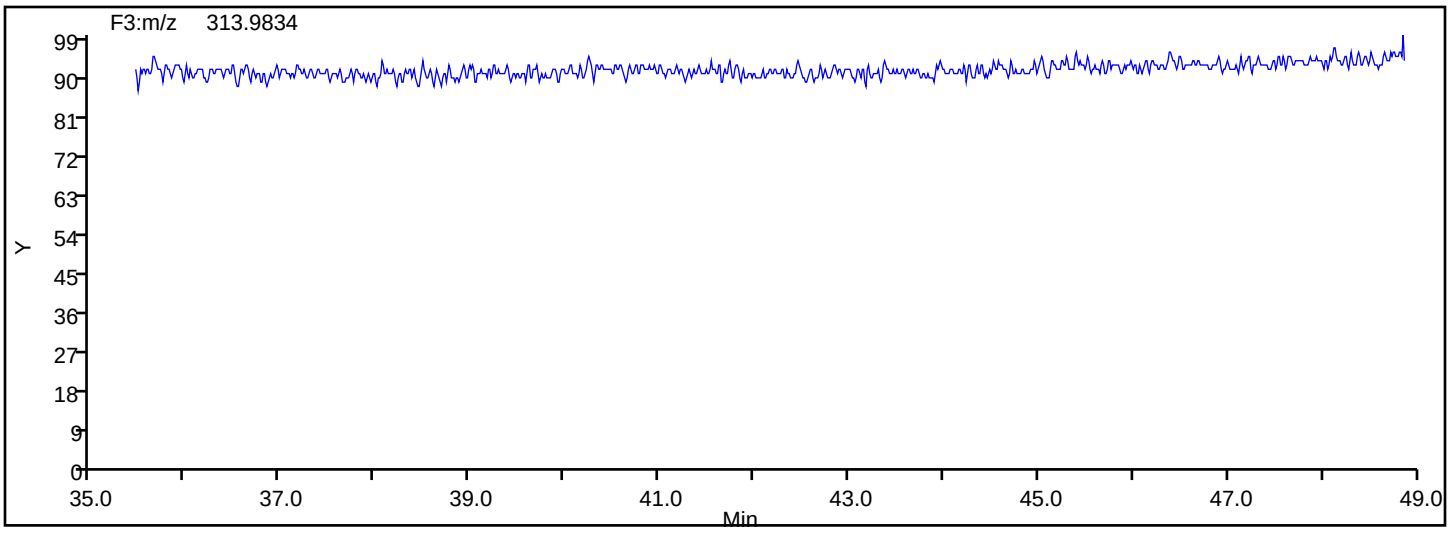
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

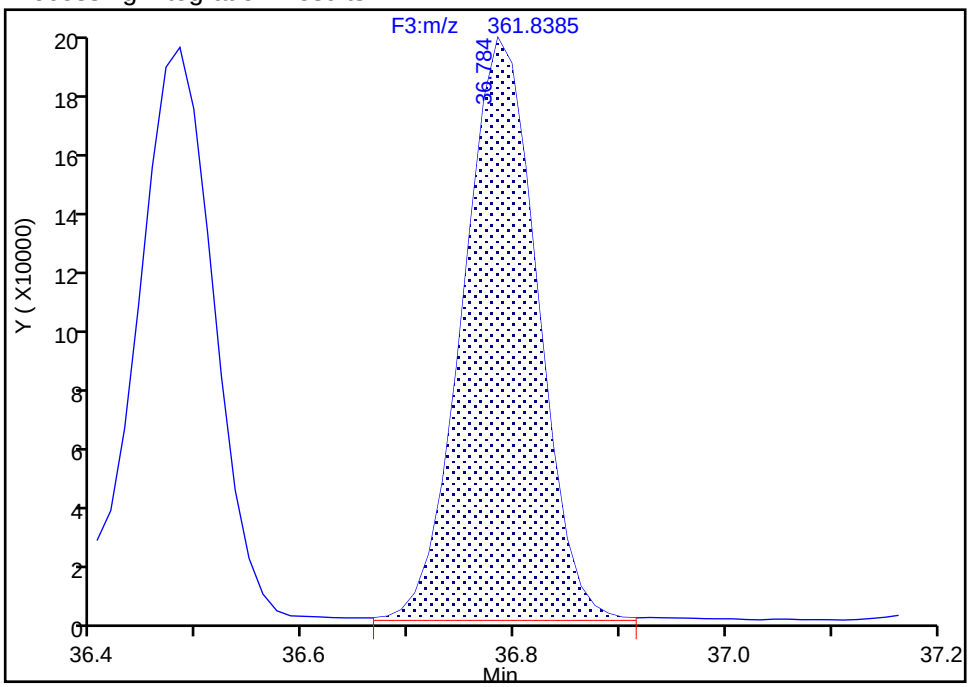
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-132, CAS: 38380-05-1

Signal: 2

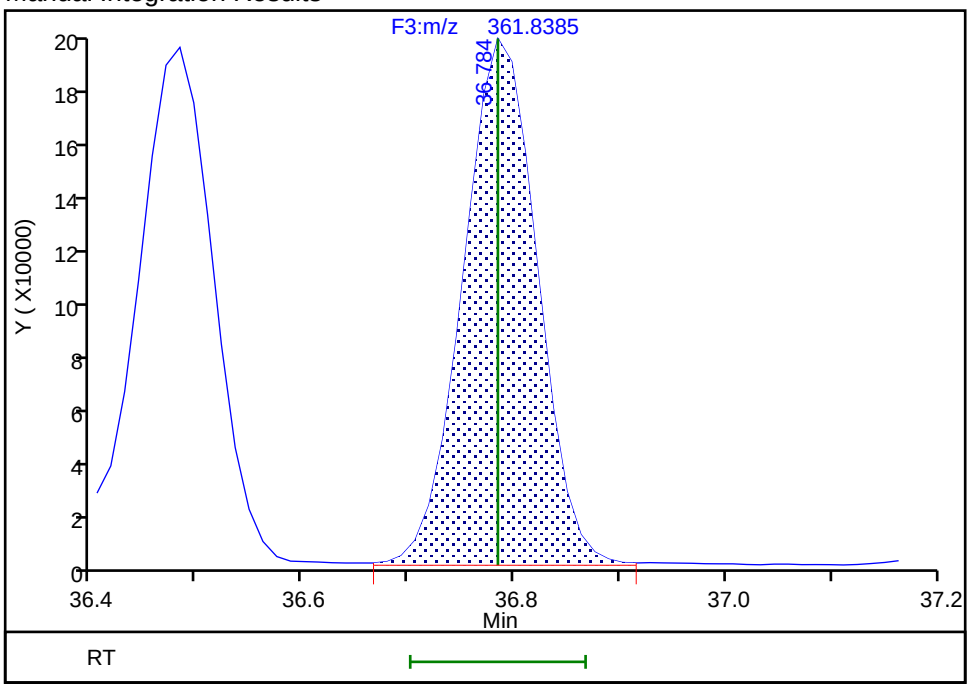
Processing Integration Results

RT: 36.78
Area: 965063
Amount: 29.711551
Amount Units: pg/ul




Manual Integration Results

RT: 36.78
Area: 965063
Amount: 42.301199
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:43:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

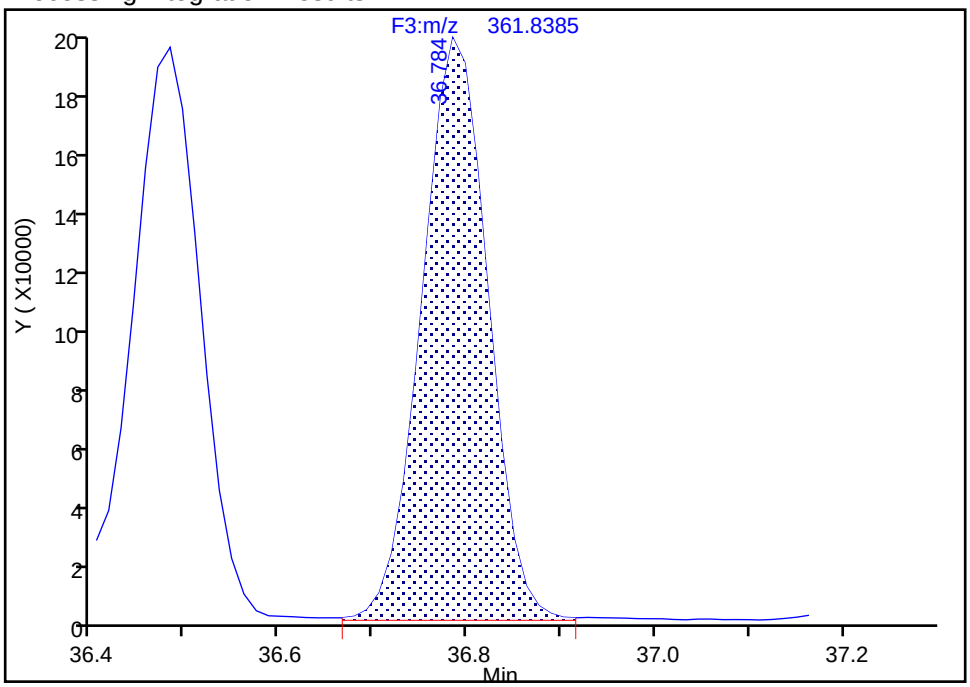
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-132, CAS: 38380-05-1

Signal: 3

Processing Integration Results

RT: 36.78
Area: 1526716
Amount: 29.711551
Amount Units: pg/ul




Manual Integration Results

RT: 36.78
Area: 2173630
Amount: 42.301199
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:43:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

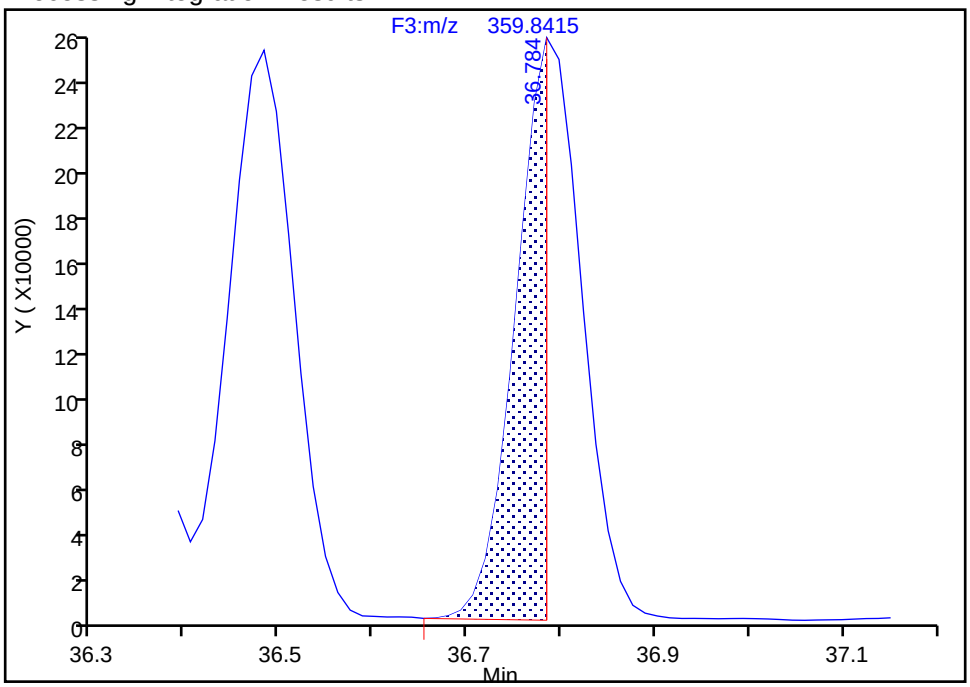
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-132, CAS: 38380-05-1

Signal: 1

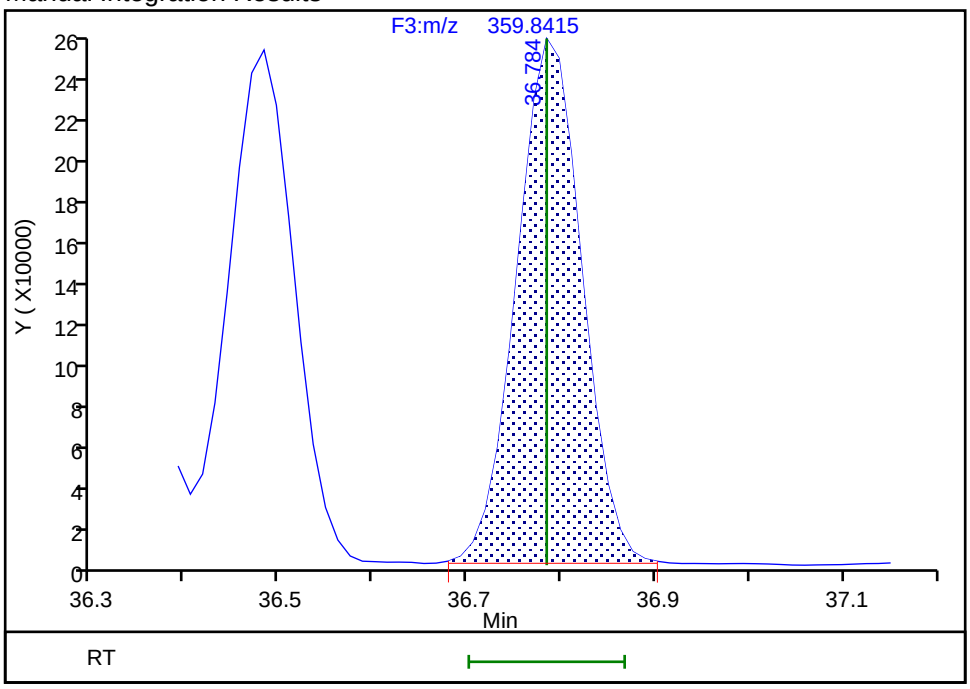
Processing Integration Results

RT: 36.78
Area: 561653
Amount: 29.711551
Amount Units: pg/ul




Manual Integration Results

RT: 36.78
Area: 1208567
Amount: 42.301199
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:43:04

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

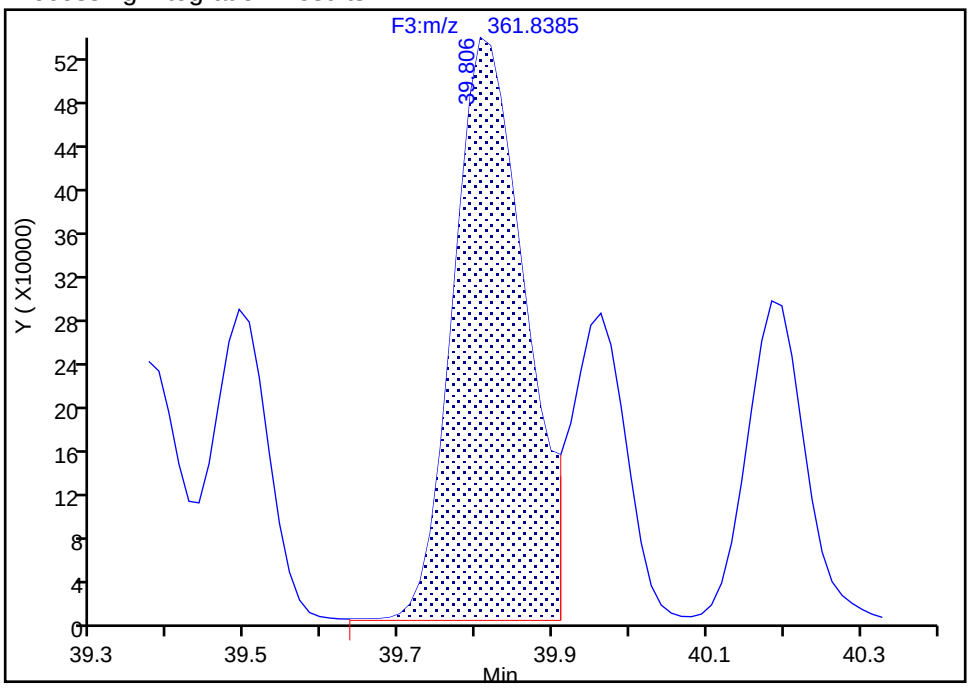
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

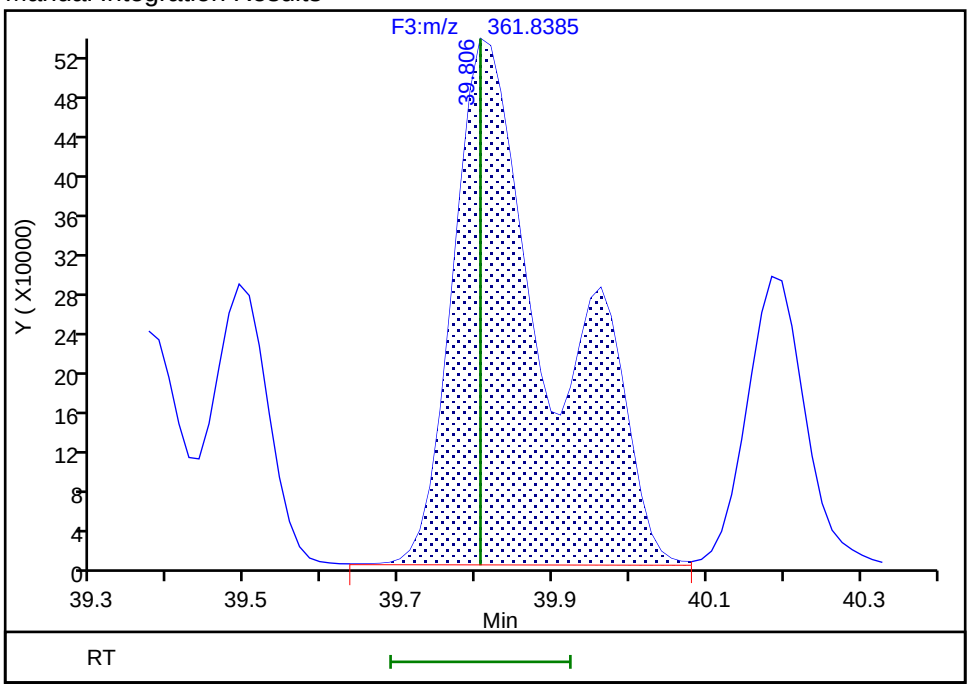
Processing Integration Results

RT: 39.81
Area: 3450910
Amount: 122.6498
Amount Units: pg/ul




Manual Integration Results

RT: 39.81
Area: 4818914
Amount: 171.6570
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:43:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

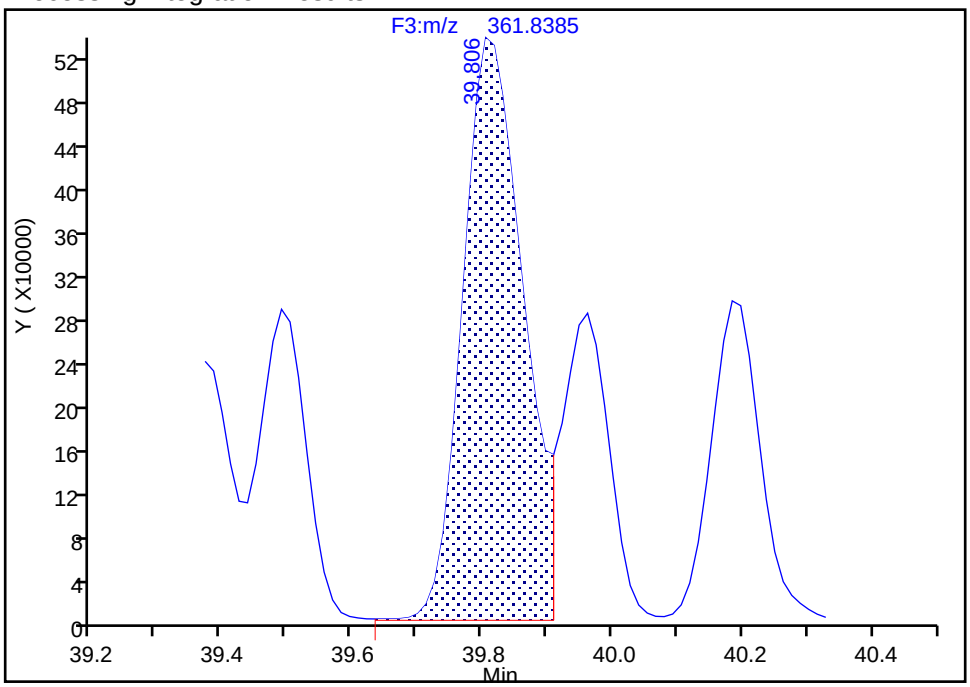
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 3

Processing Integration Results

RT: 39.81
Area: 7762358
Amount: 122.6498
Amount Units: pg/ul




Manual Integration Results

RT: 39.81
Area: 10863967
Amount: 171.6570
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:43:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

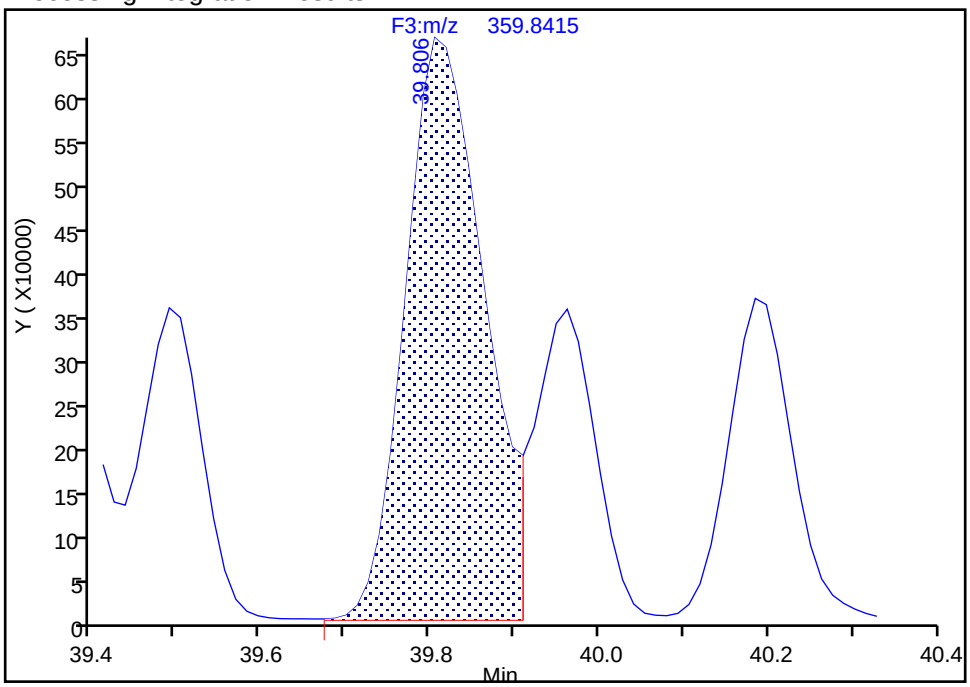
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

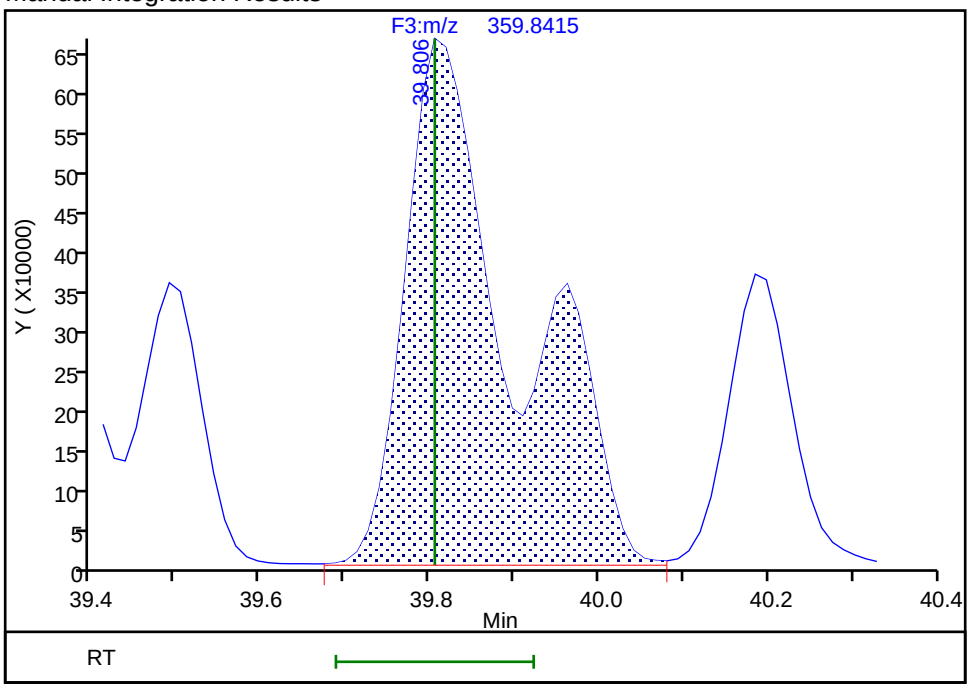
Processing Integration Results

RT: 39.81
Area: 4311448
Amount: 122.6498
Amount Units: pg/ul




Manual Integration Results

RT: 39.81
Area: 6045053
Amount: 171.6570
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:43:31

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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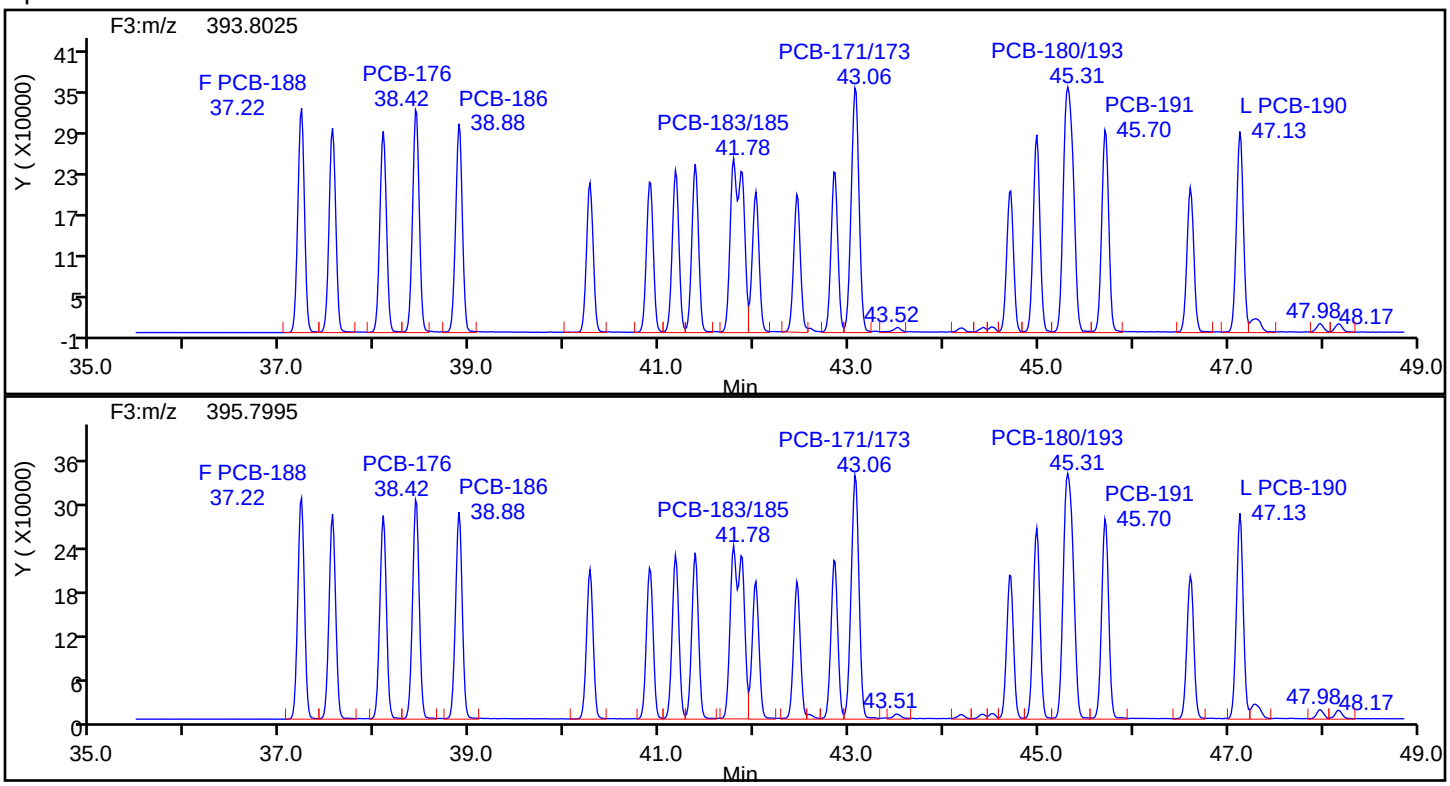
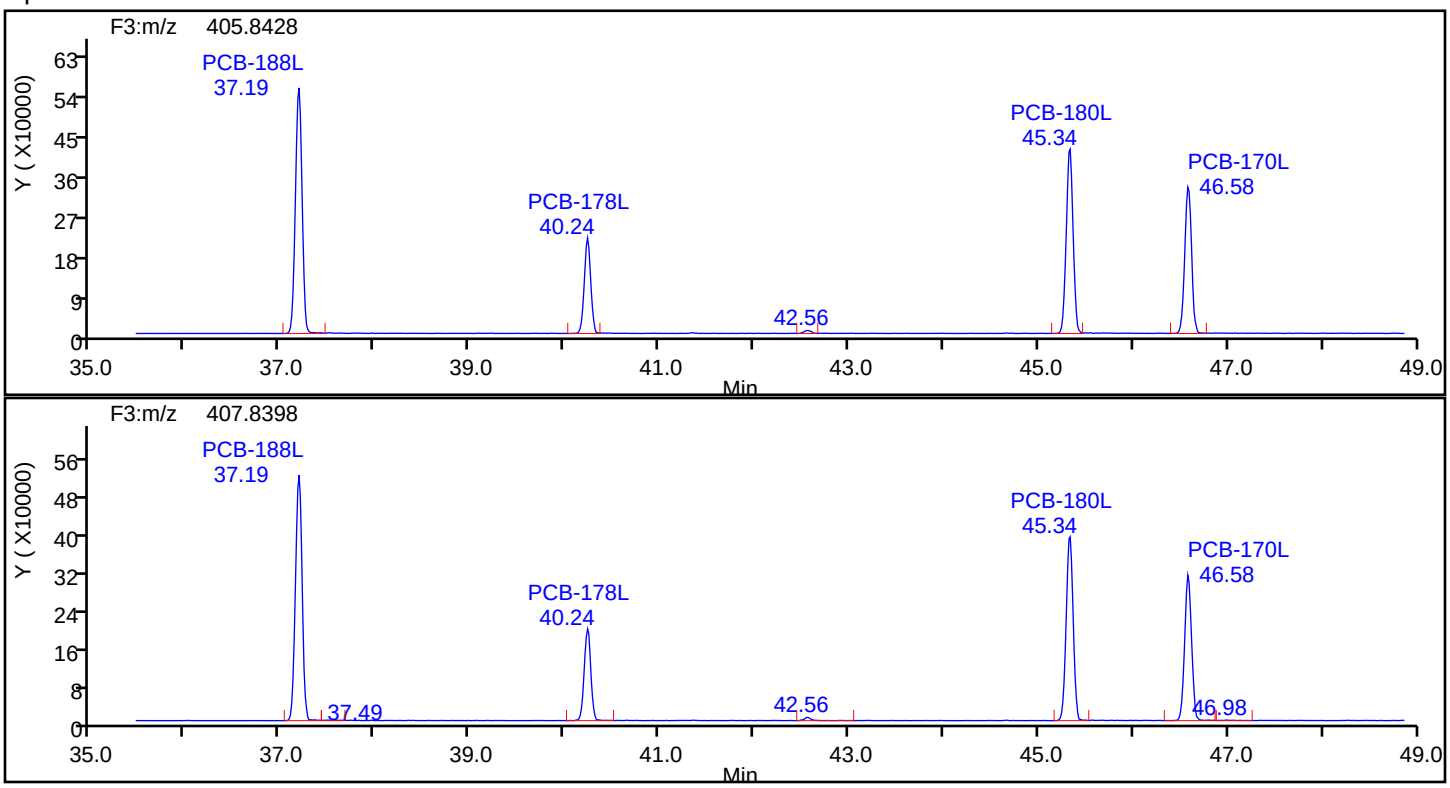
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Standards



Eurofins TestAmerica, Knoxville

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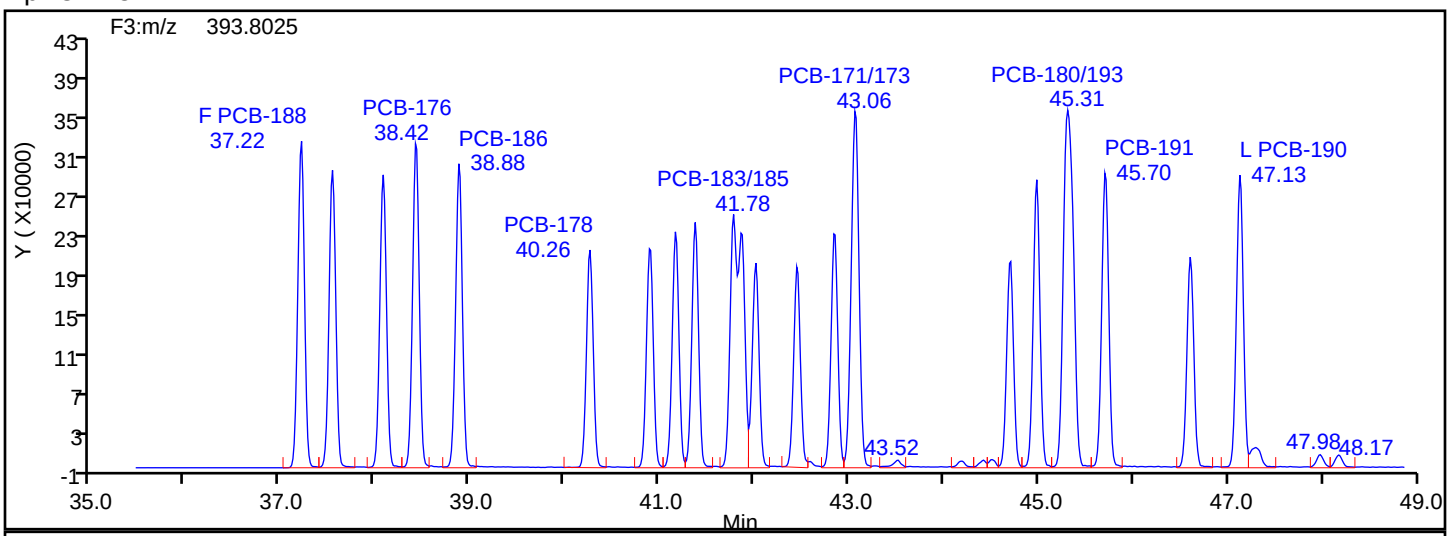
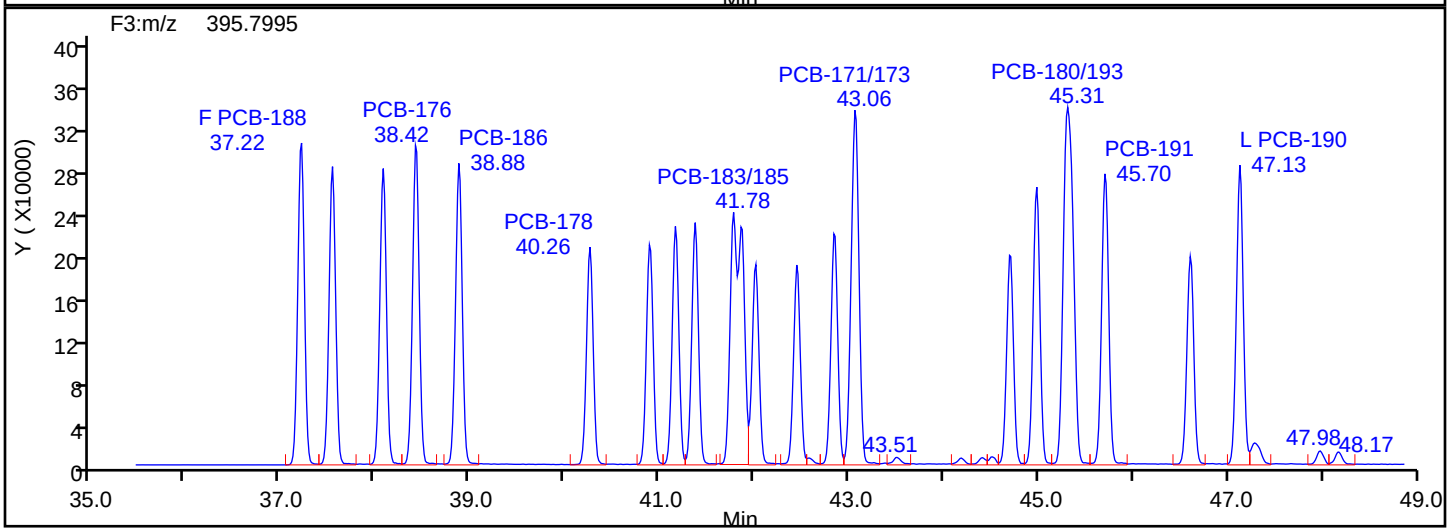
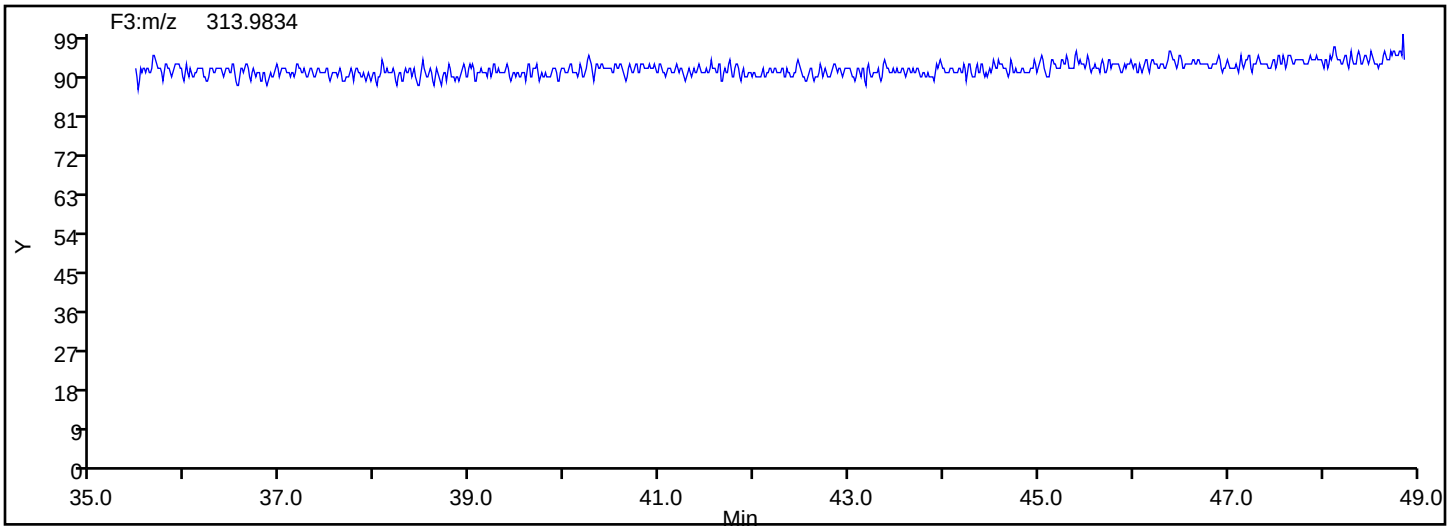
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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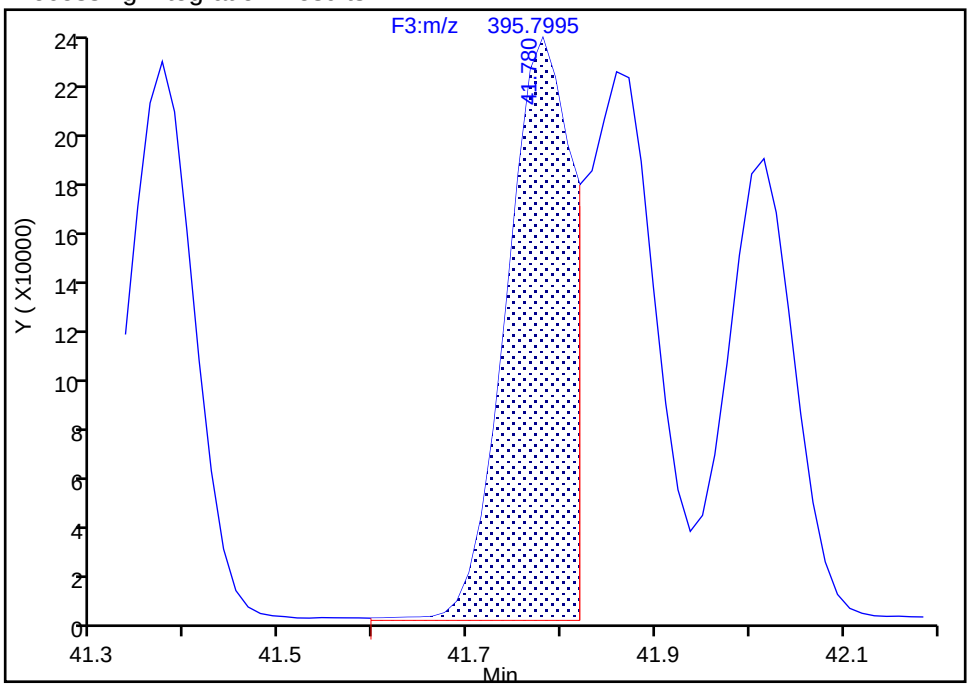
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d | | | | |
| Injection Date: | 03-Oct-2019 22:32:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

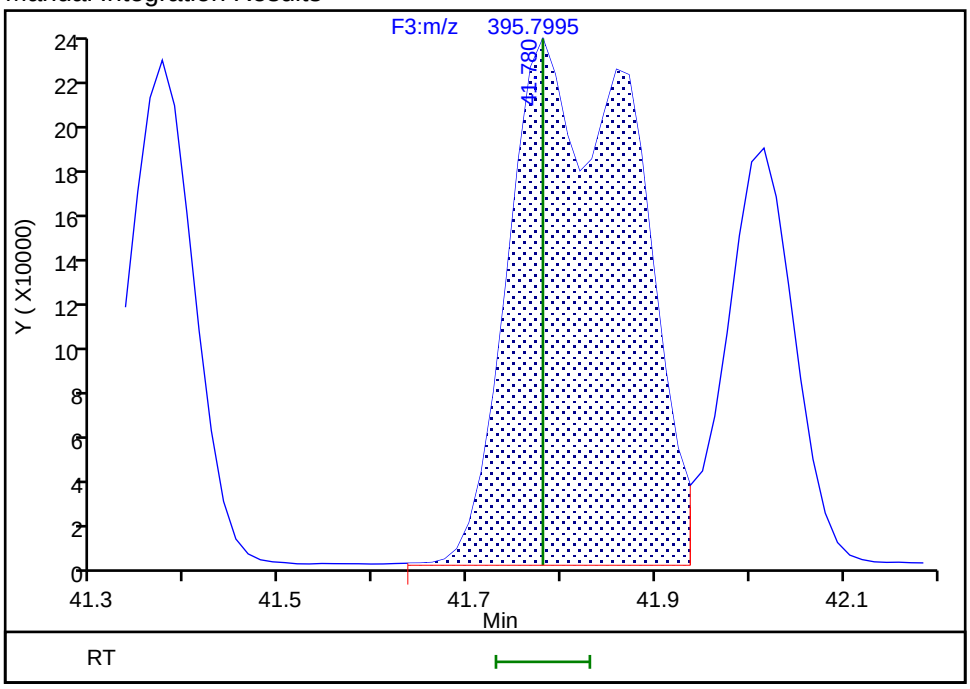
Processing Integration Results

RT: 41.78
Area: 1128551
Amount: 47.599525
Amount Units: pg/ul




Manual Integration Results

RT: 41.78
Area: 2223458
Amount: 94.239121
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:44:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

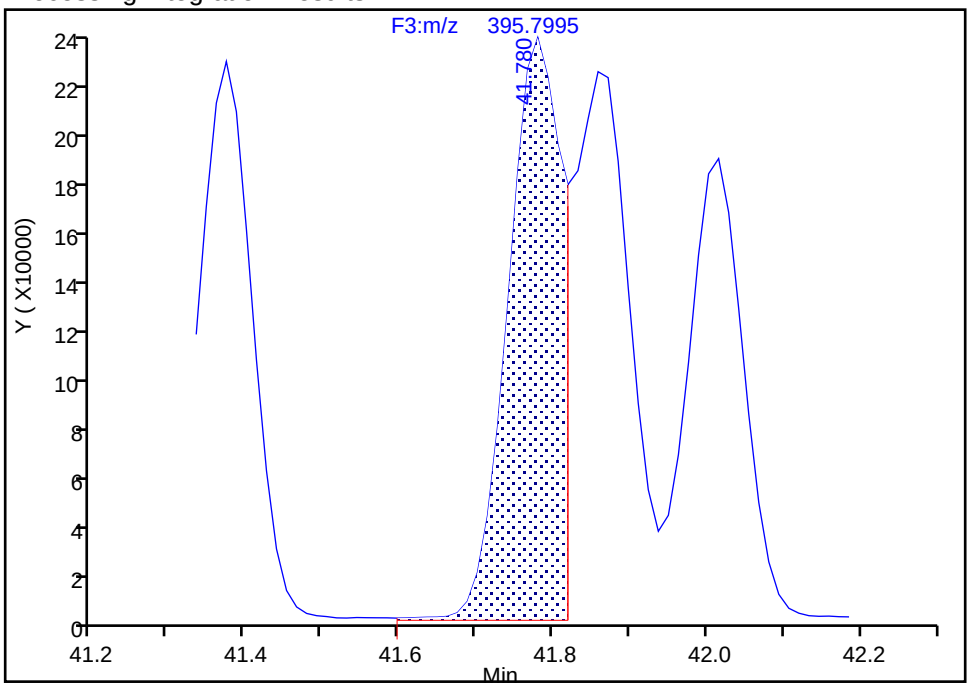
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 3

Processing Integration Results

RT: 41.78
Area: 2304978
Amount: 47.599525
Amount Units: pg/ul




Manual Integration Results

RT: 41.78
Area: 4563472
Amount: 94.239121
Amount Units: pg/ul
Reviewer: mcwhirterl, 03-Oct-2019 23:44:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

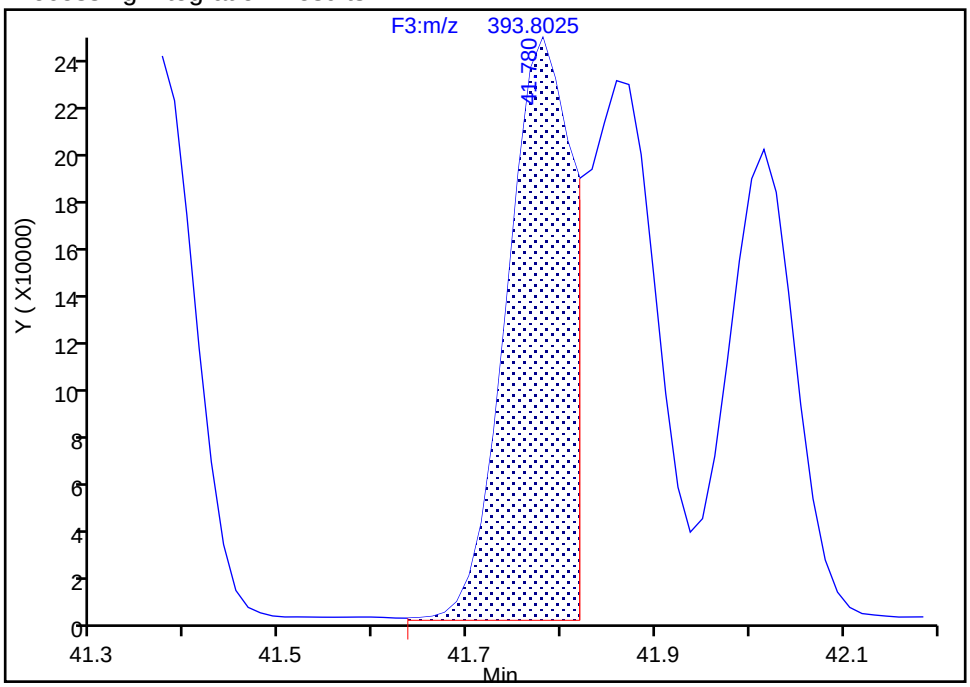
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13295.b\d4191003s2.d
Injection Date: 03-Oct-2019 22:32:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 1

Processing Integration Results

RT: 41.78
Area: 1176427
Amount: 47.599525
Amount Units: pg/ul




Manual Integration Results

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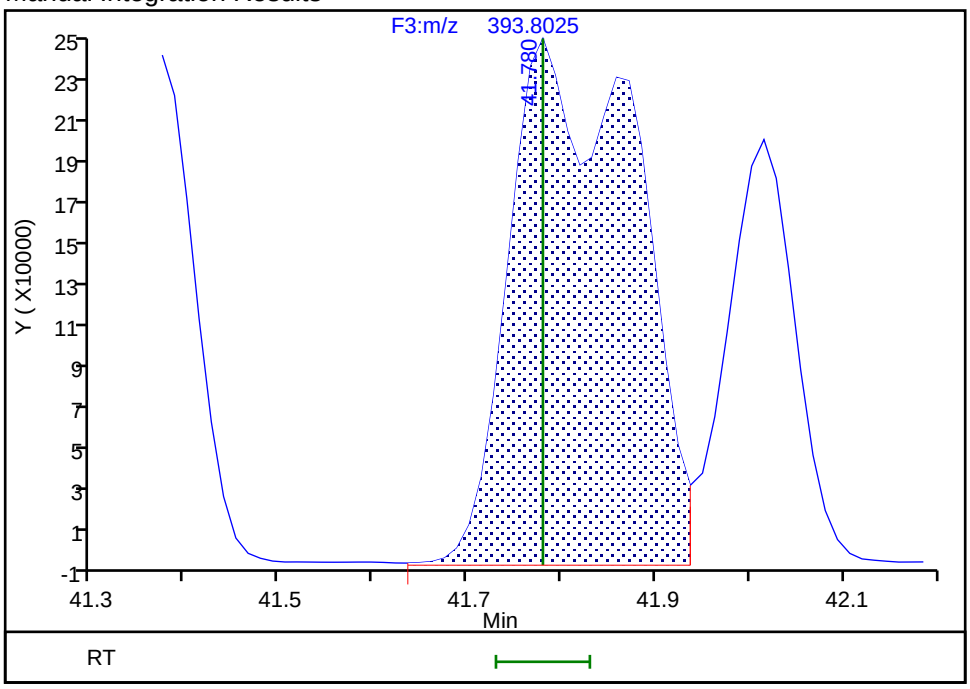
Area: 2340014
Amount: 94.239121
Amount Units: pg/ul




Reviewer: mcwhirterl, 03-Oct-2019 23:44:02
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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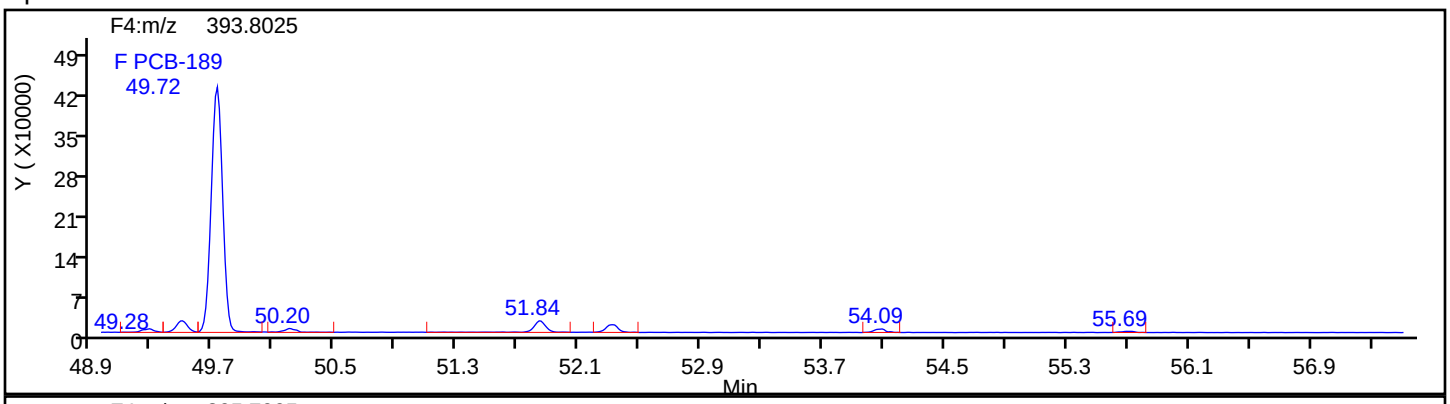
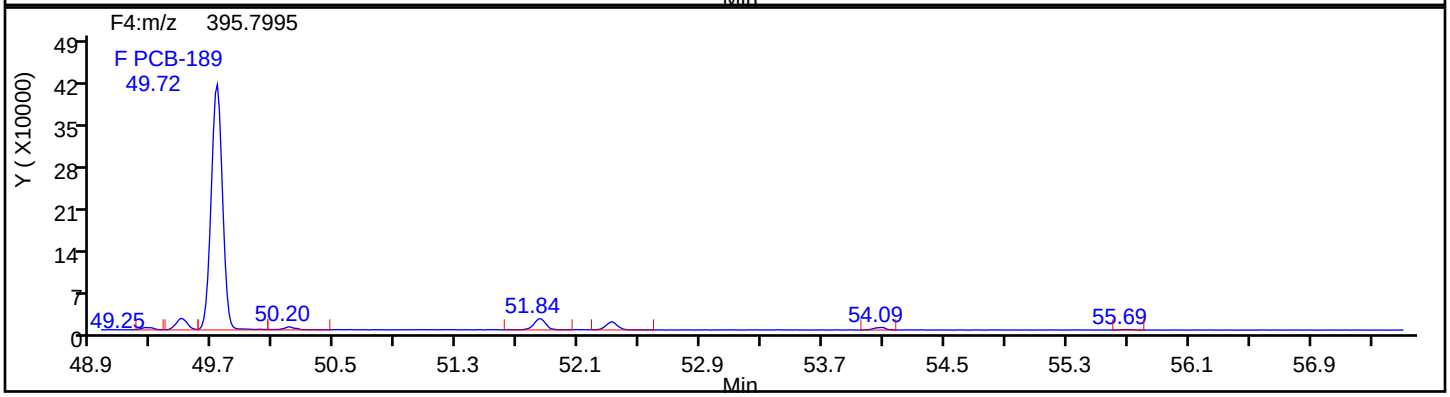
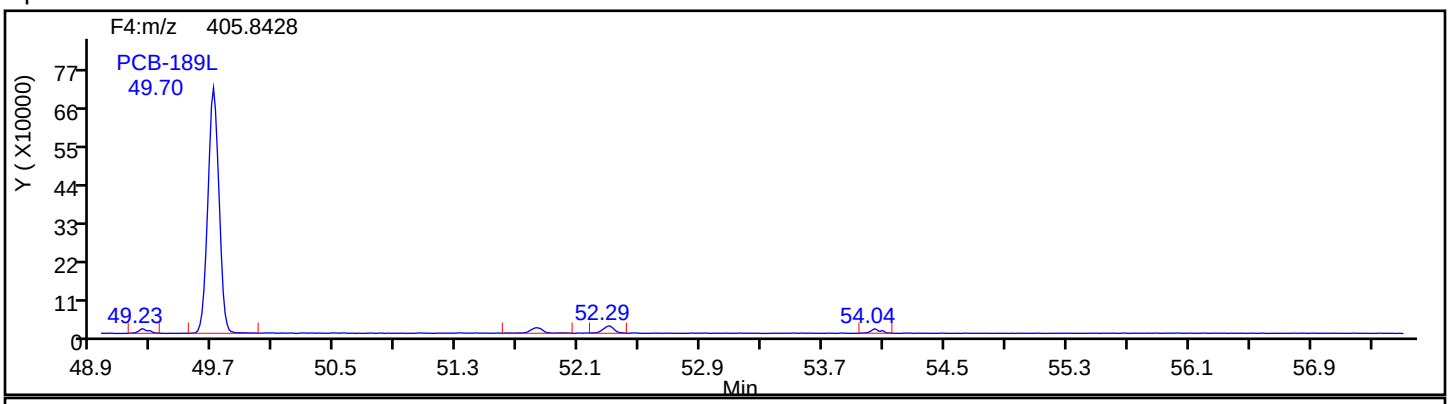
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

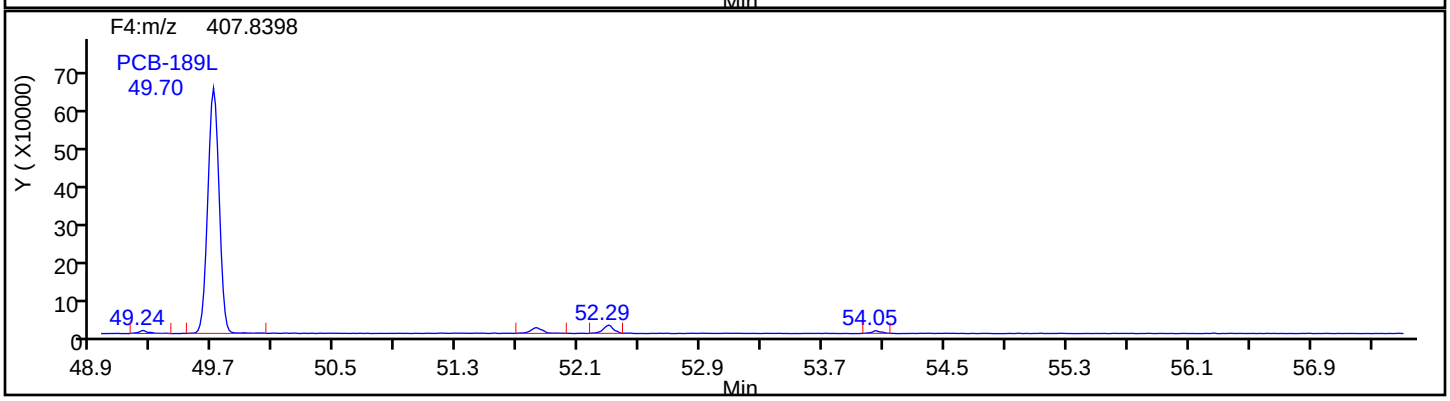
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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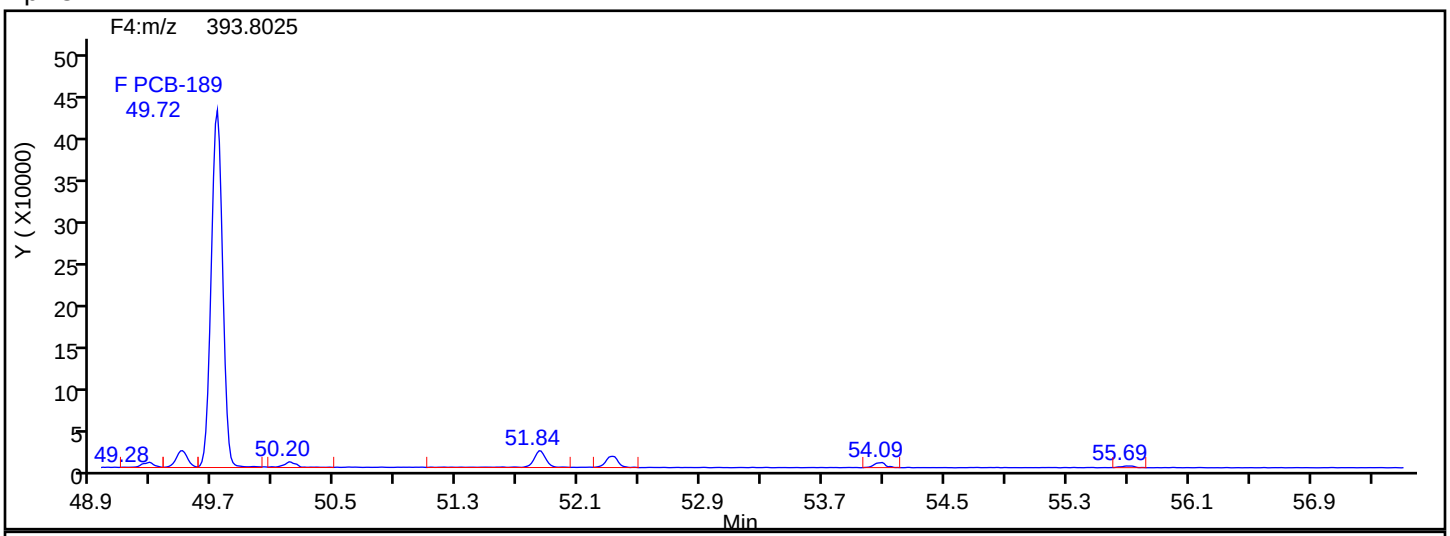
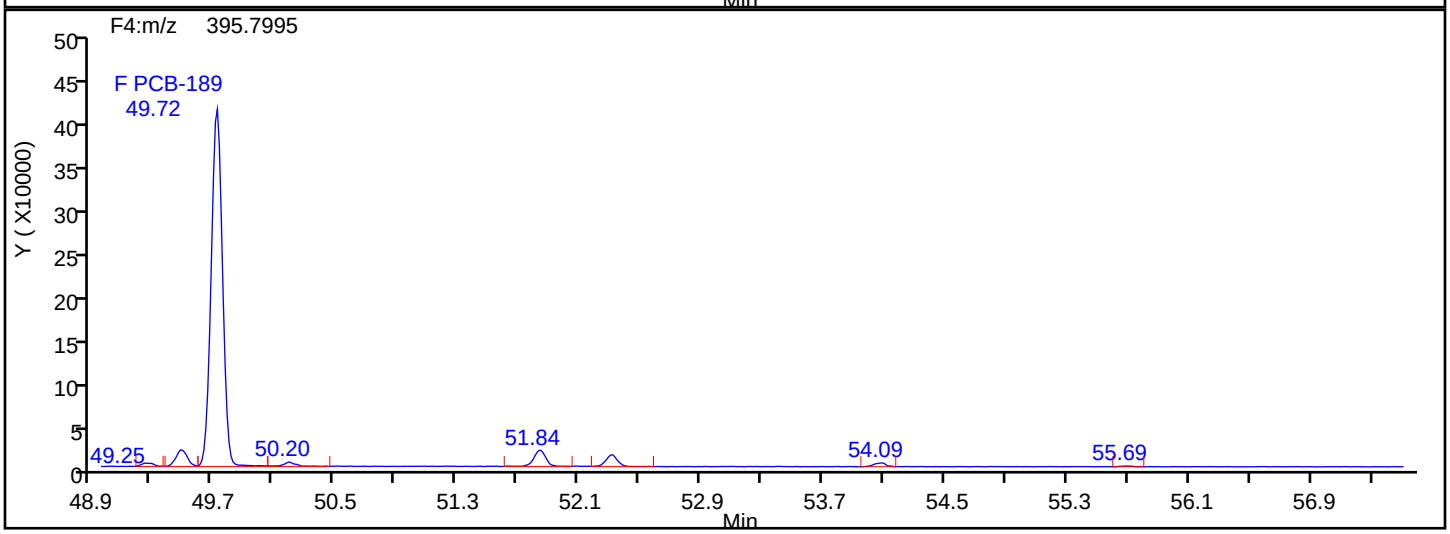
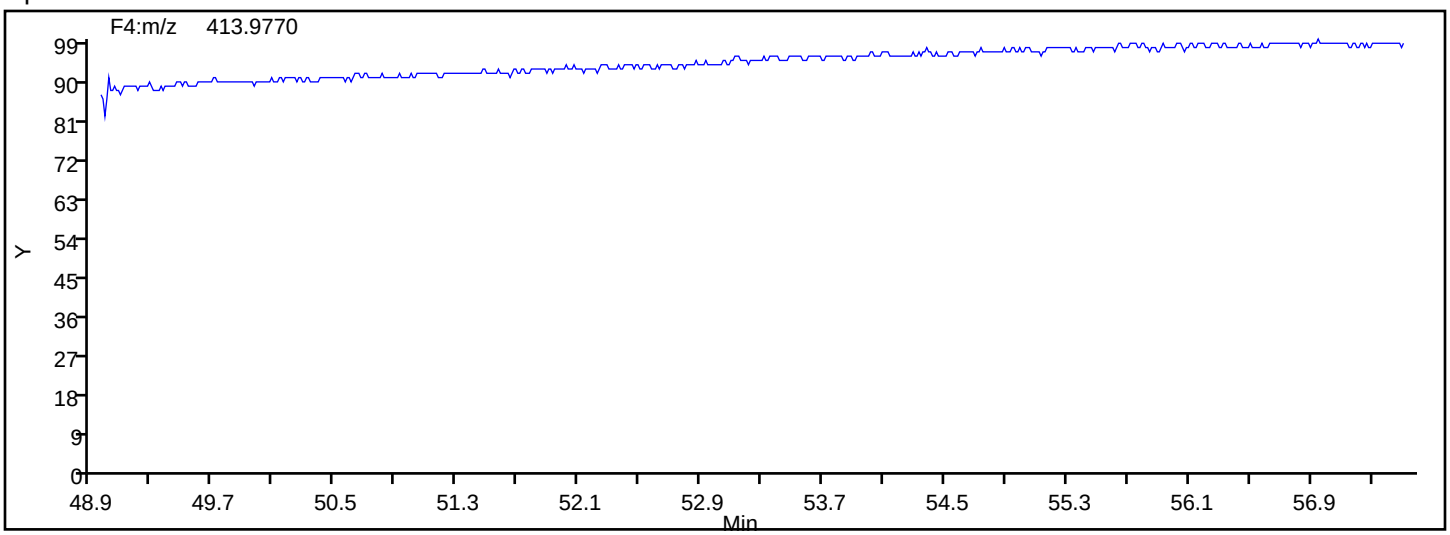
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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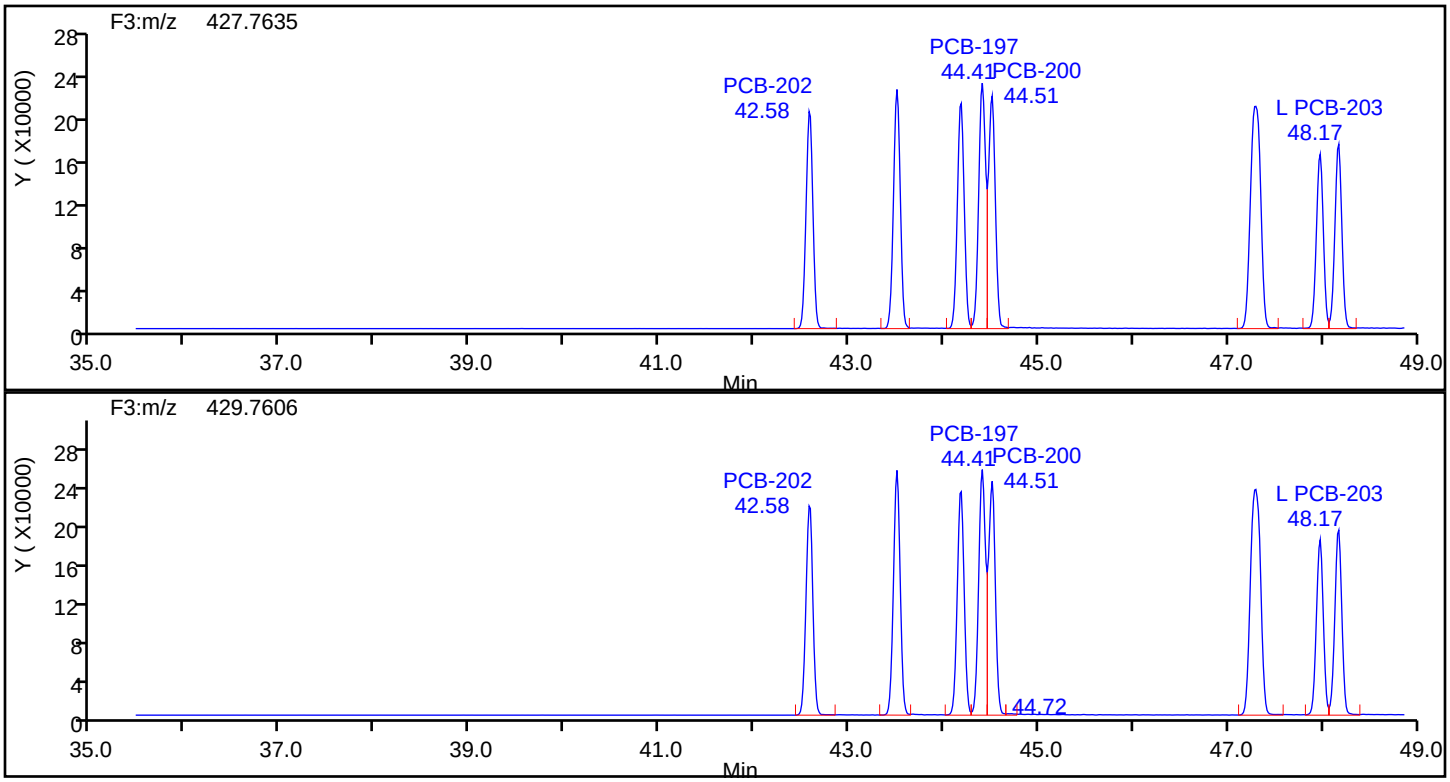
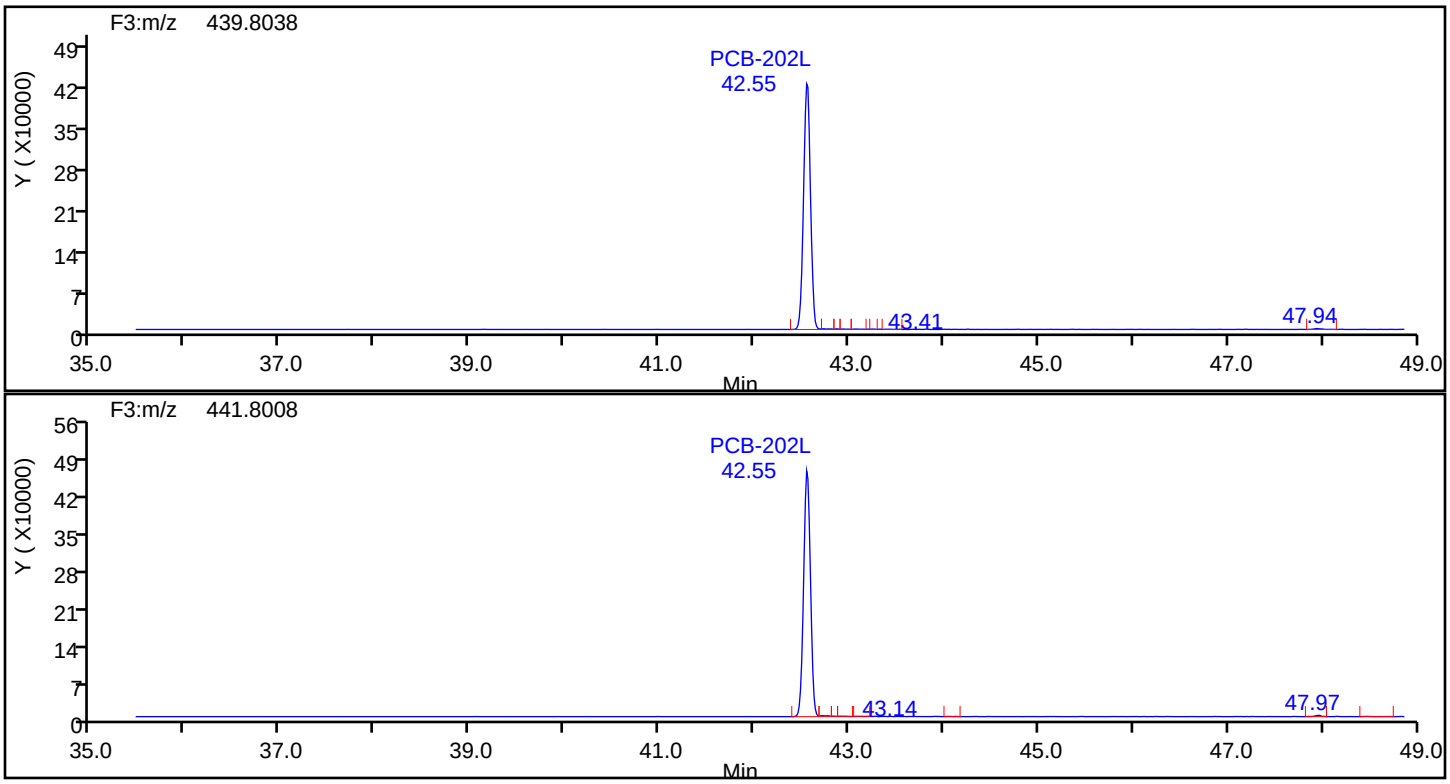
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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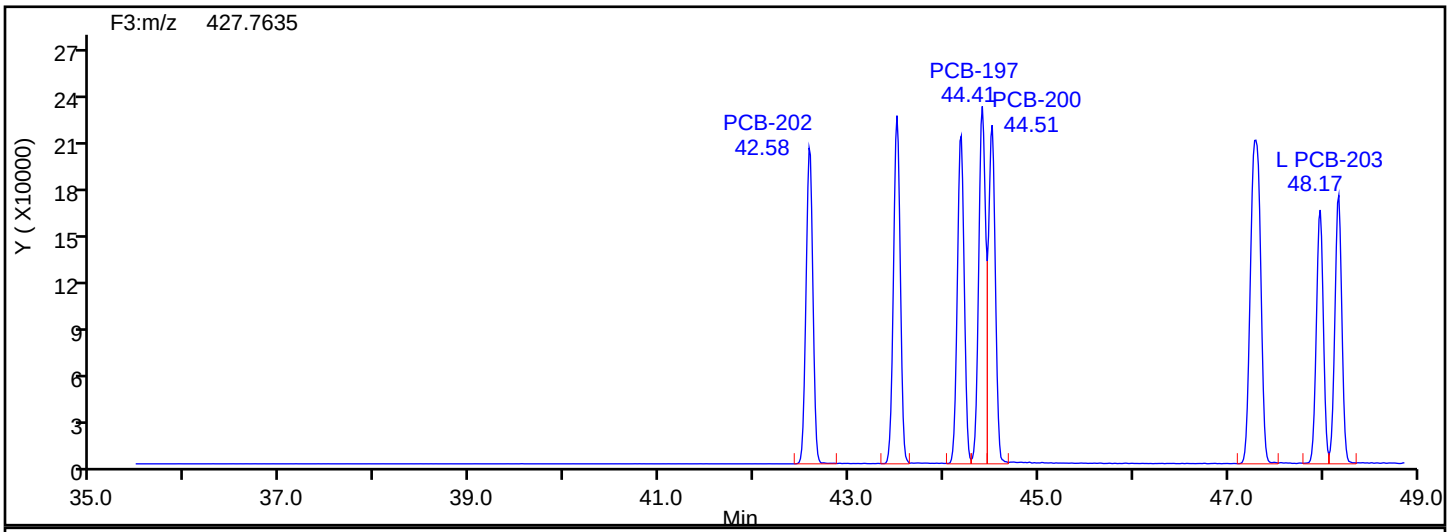
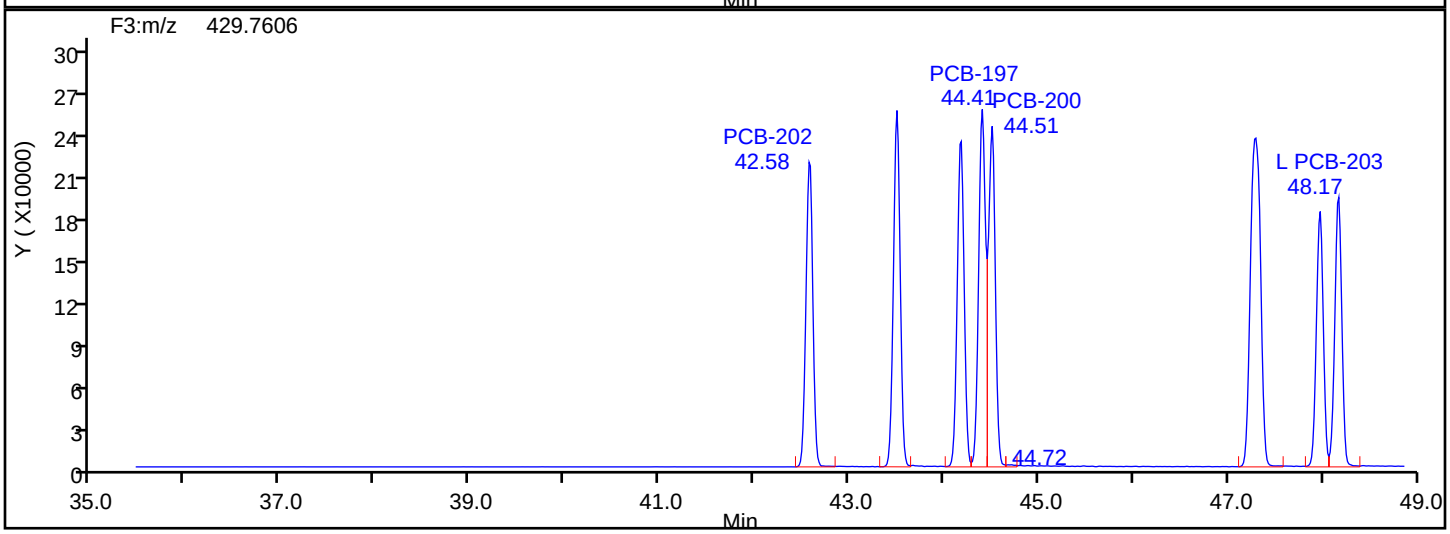
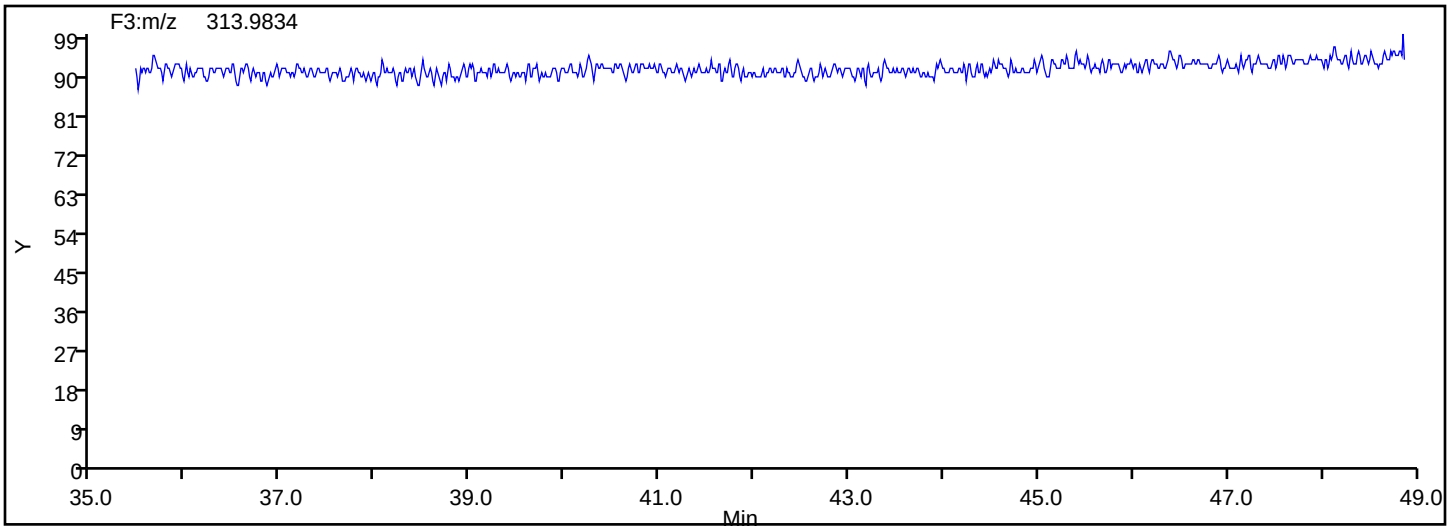
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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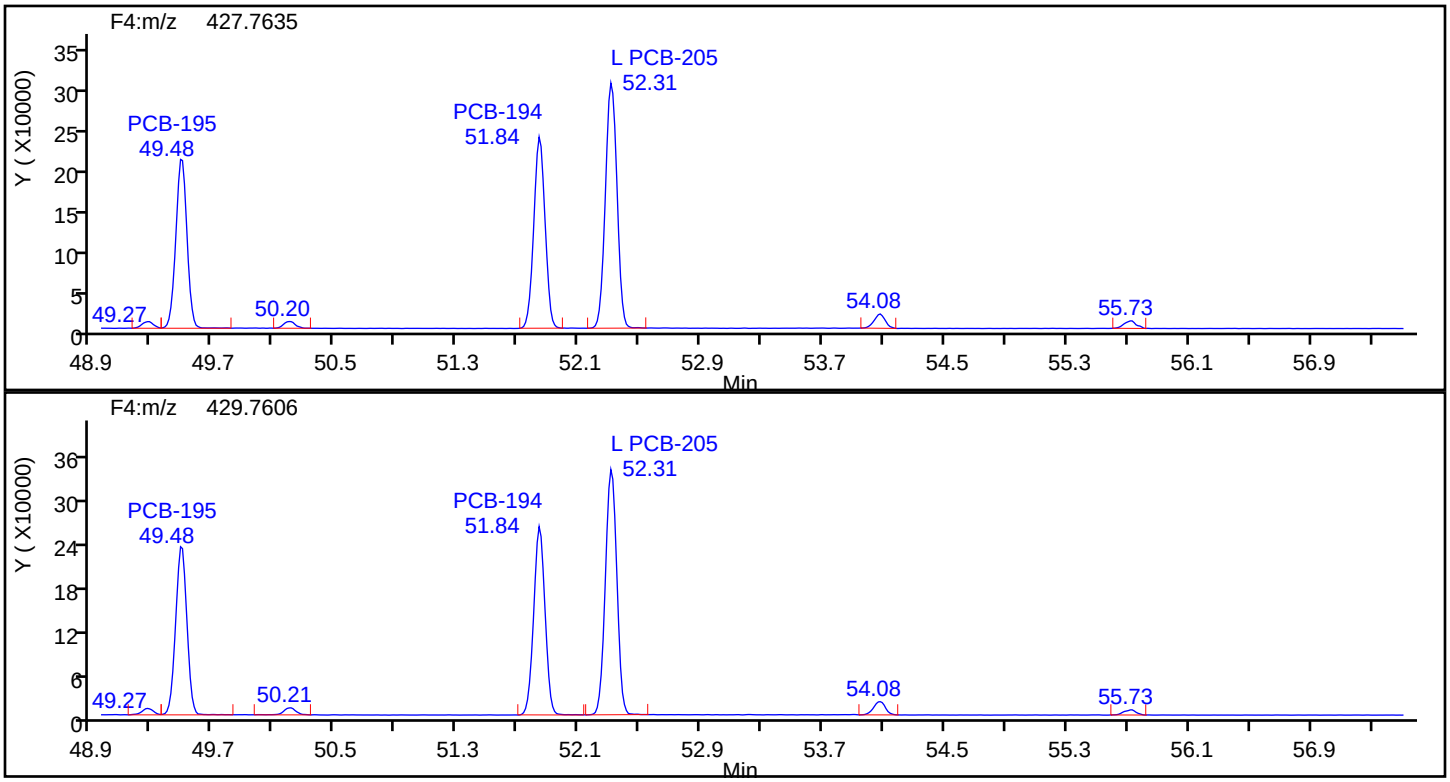
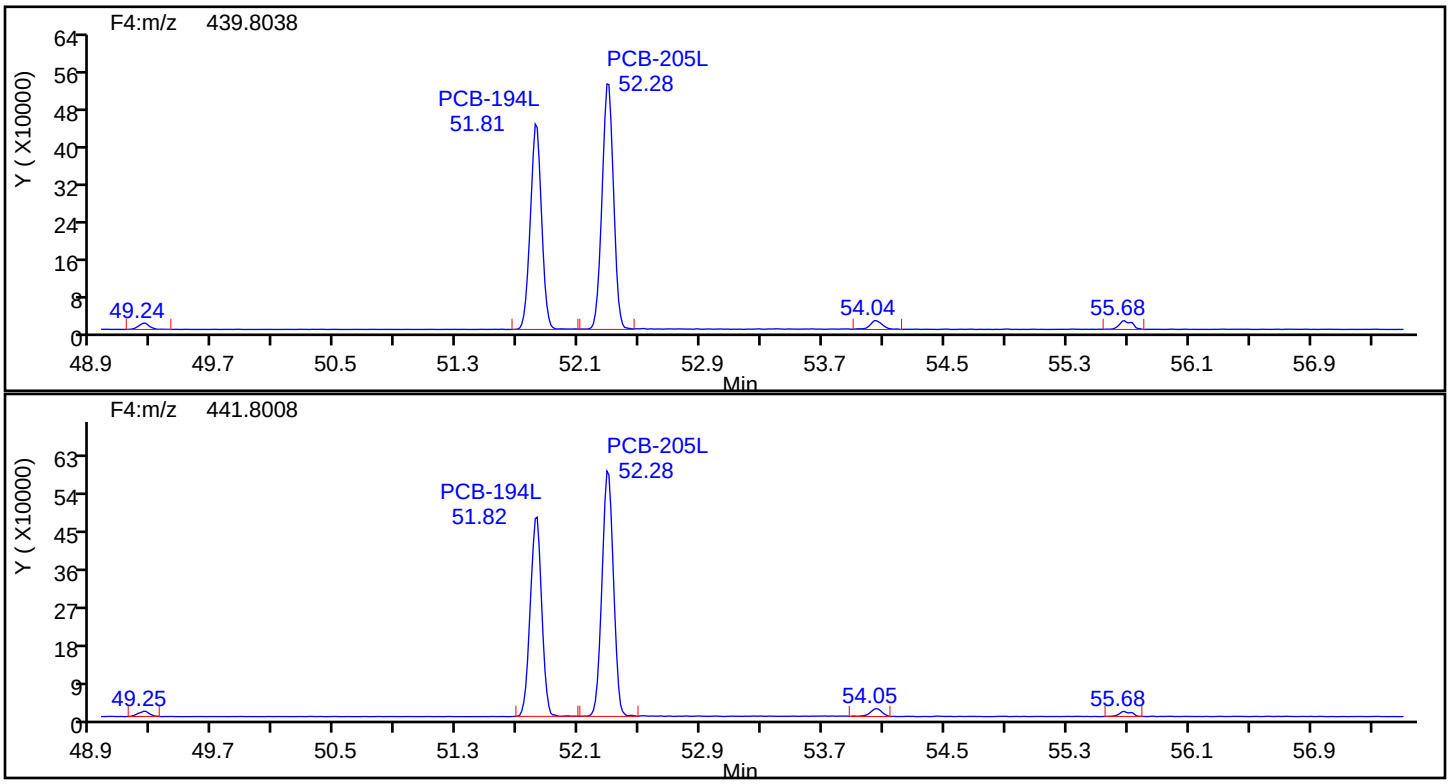
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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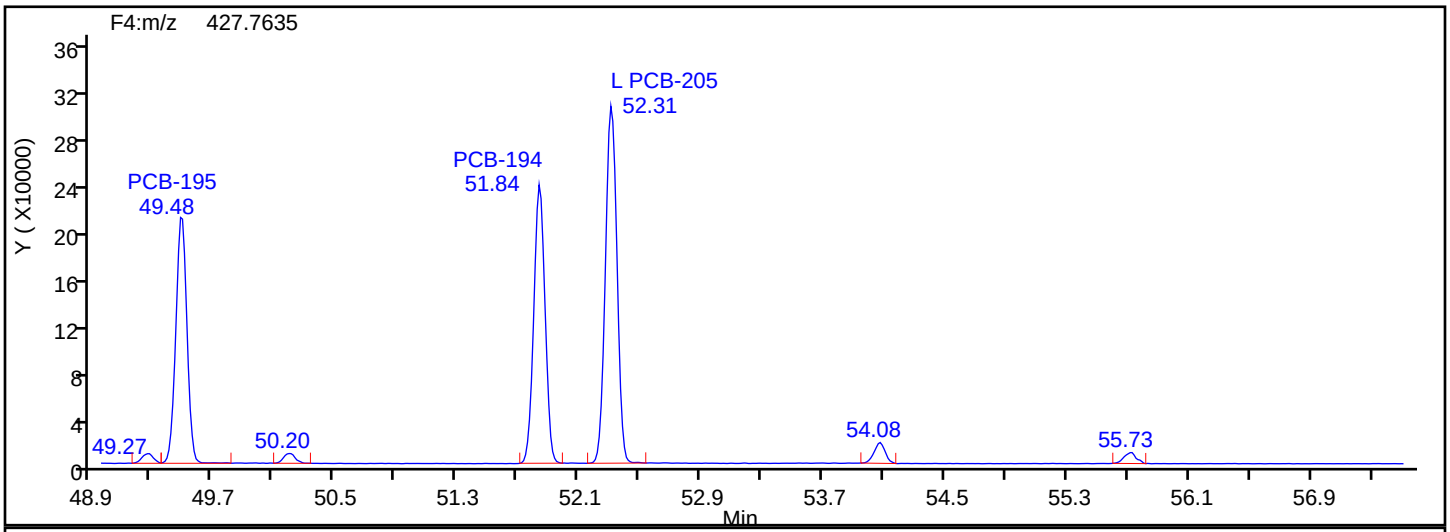
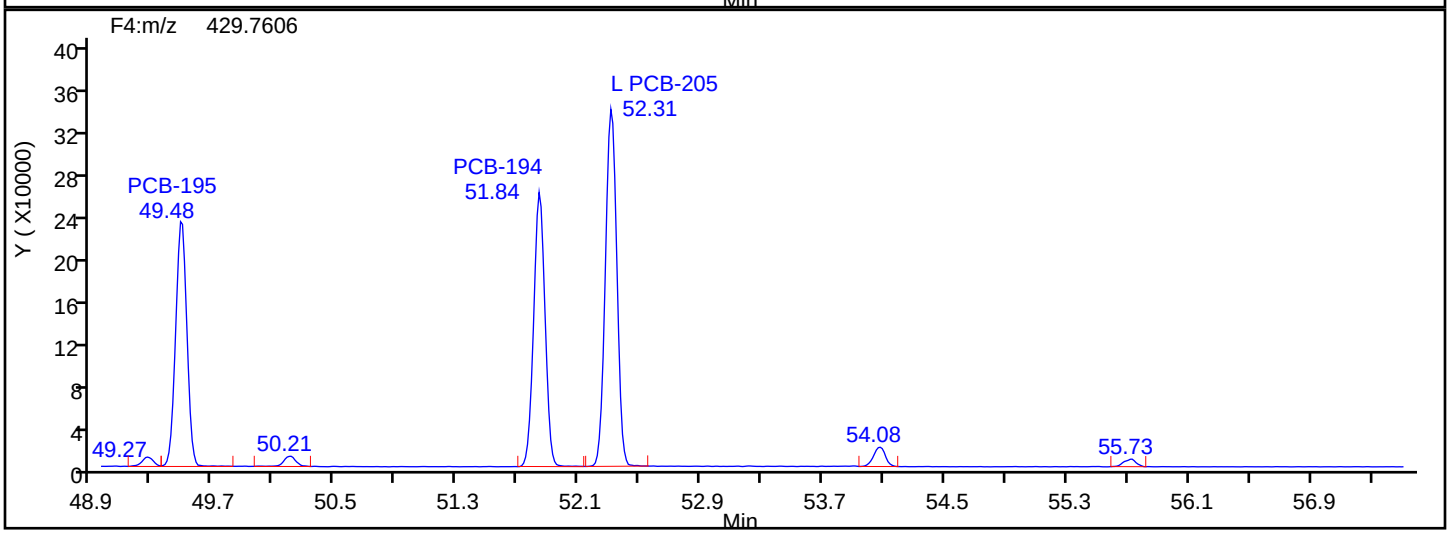
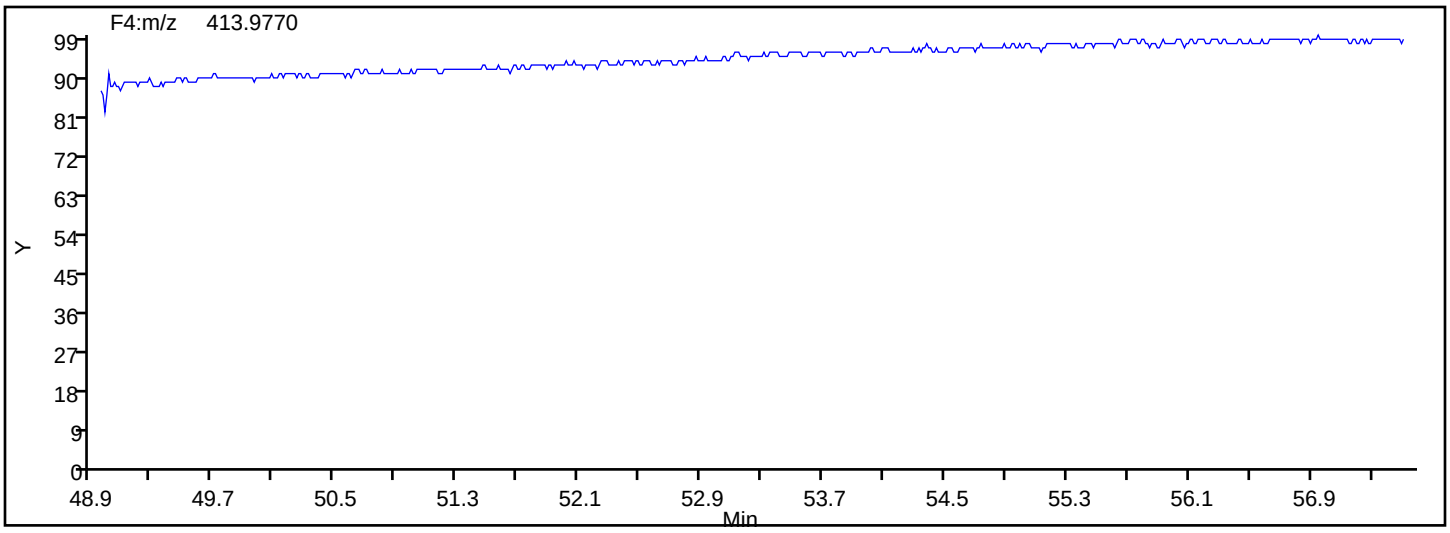
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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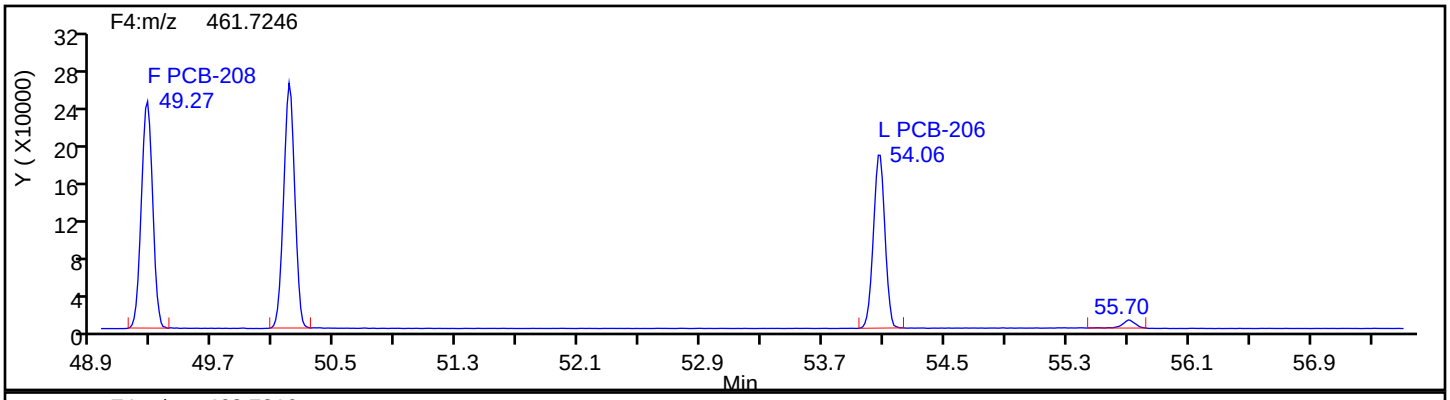
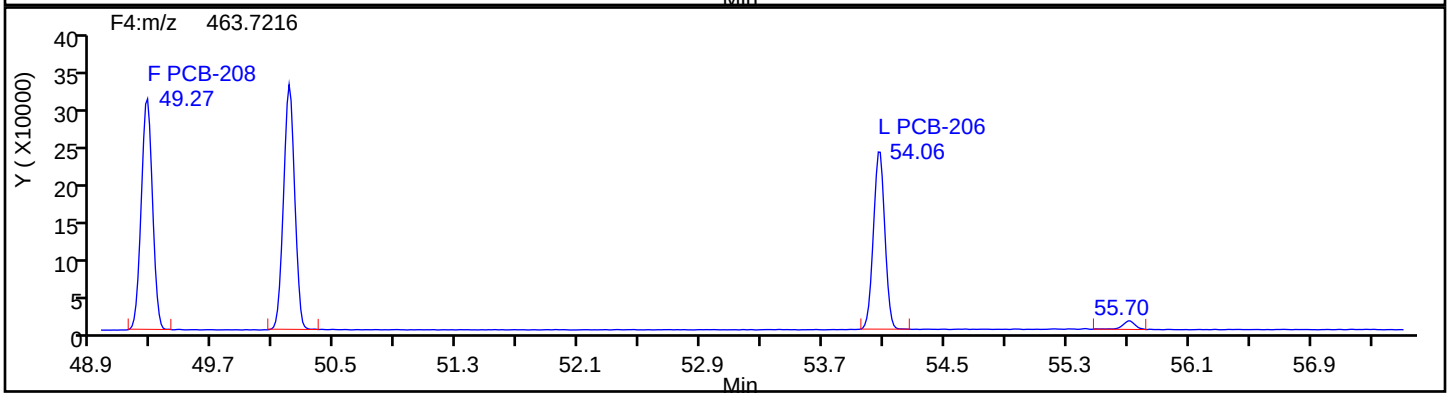
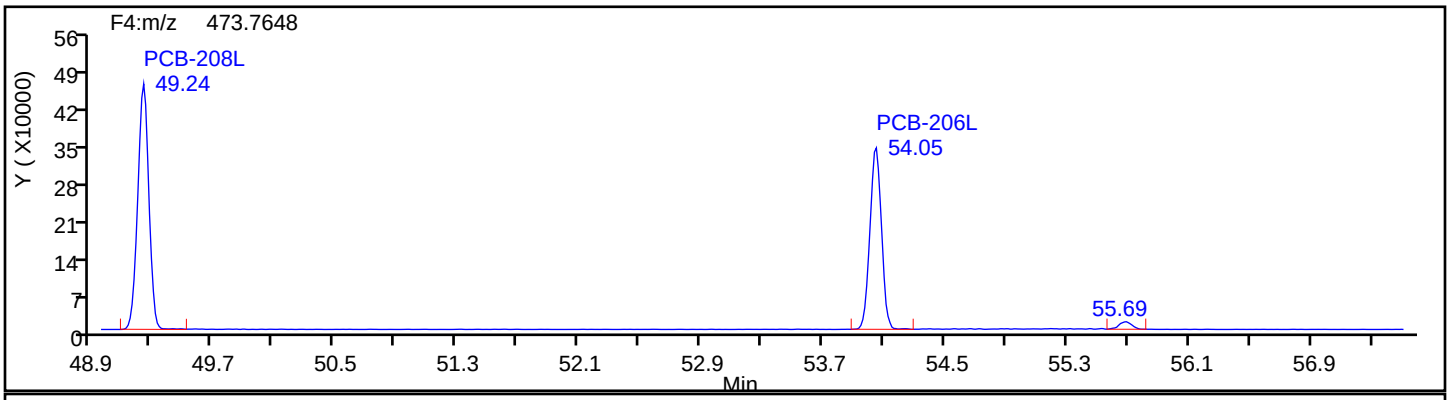
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

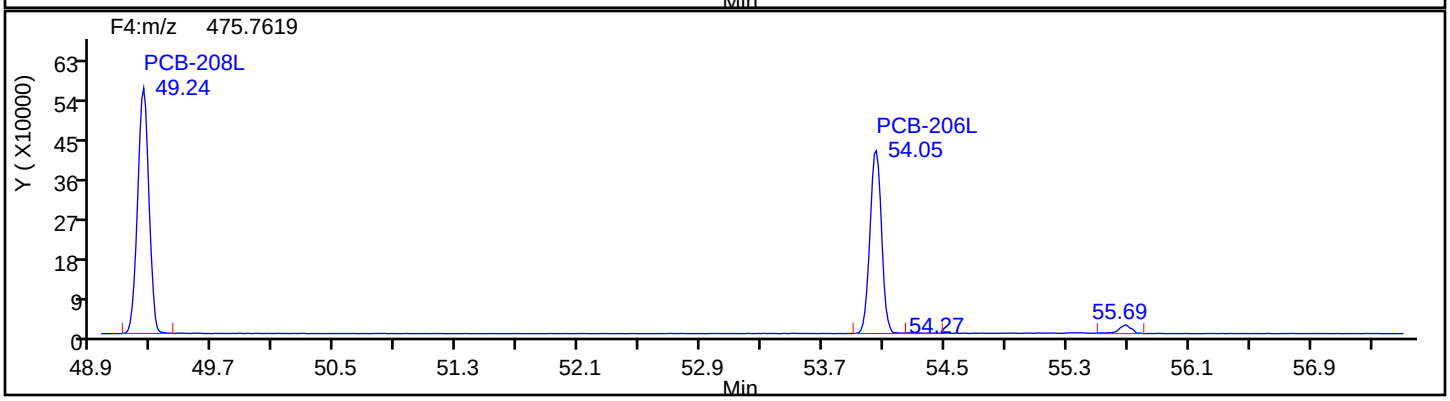
NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

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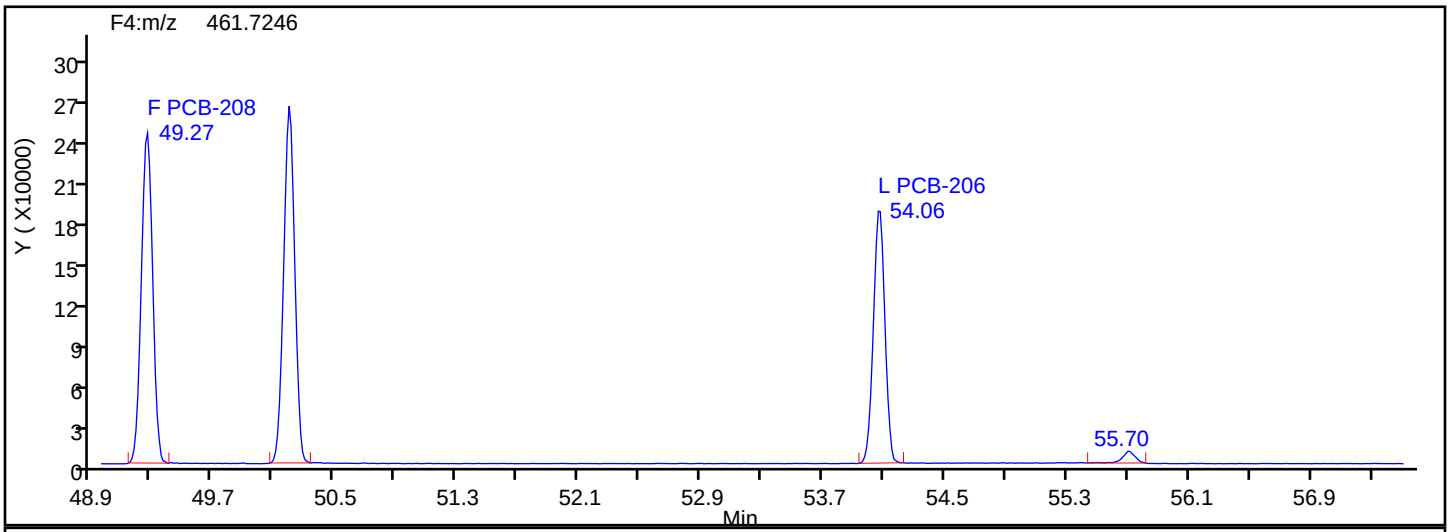
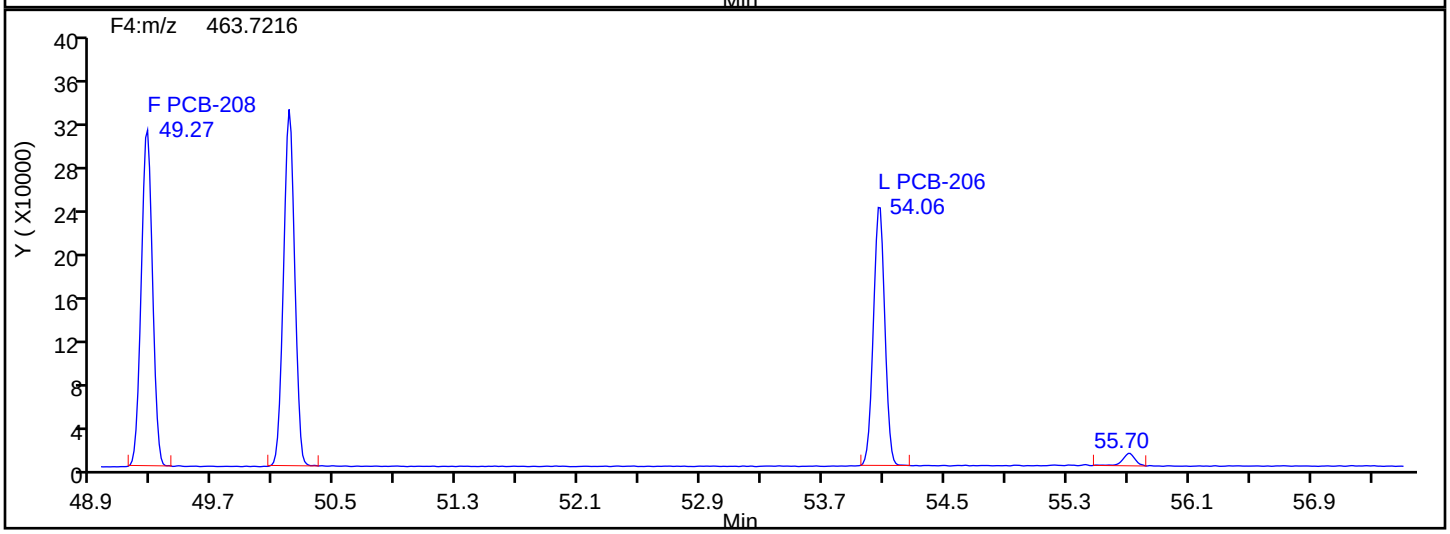
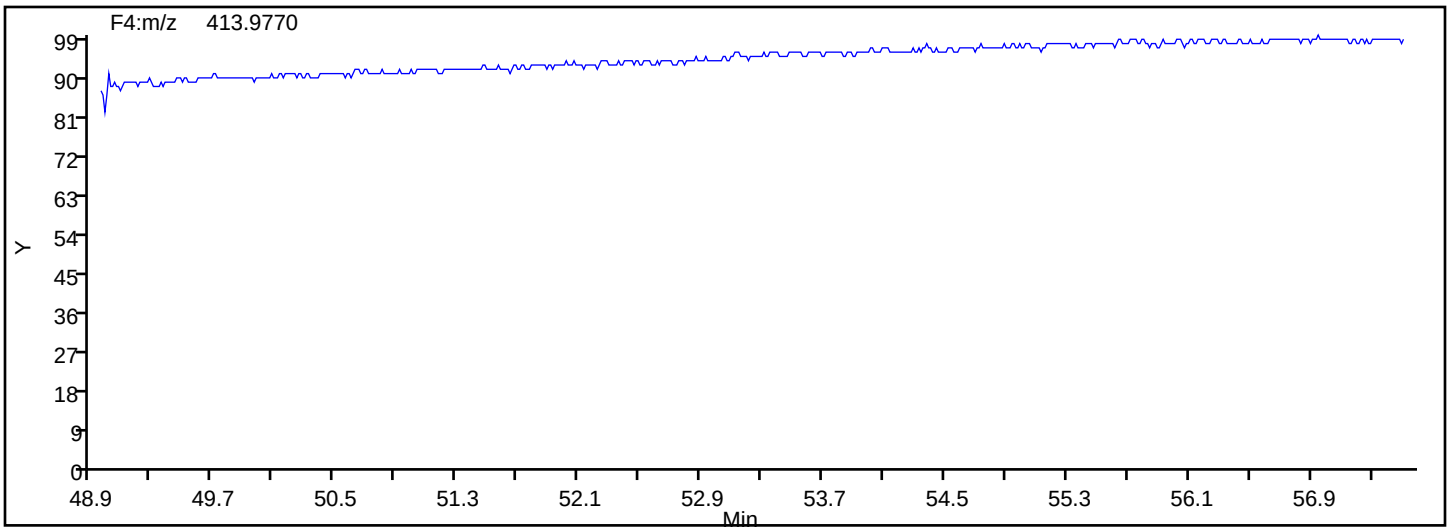
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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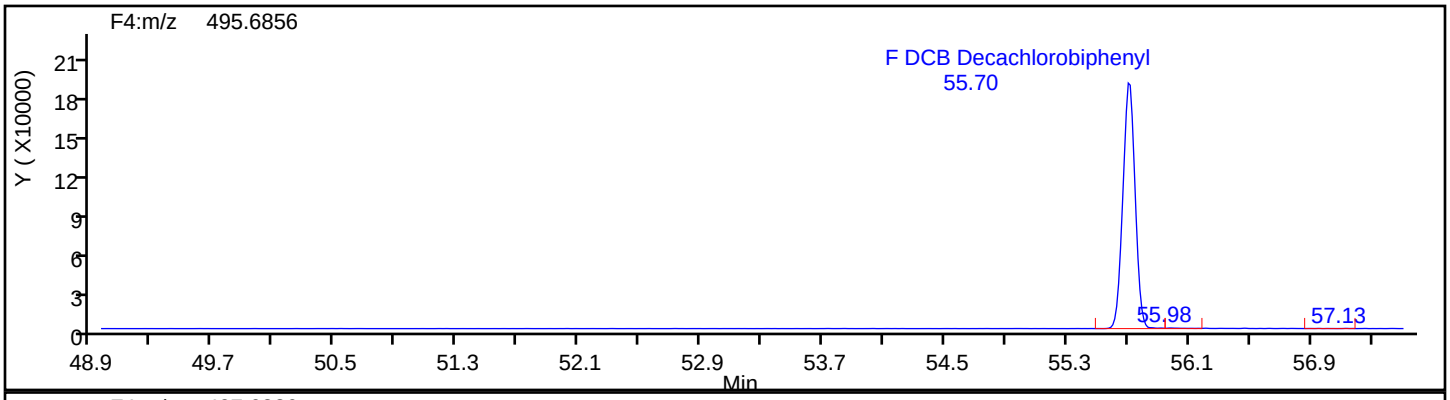
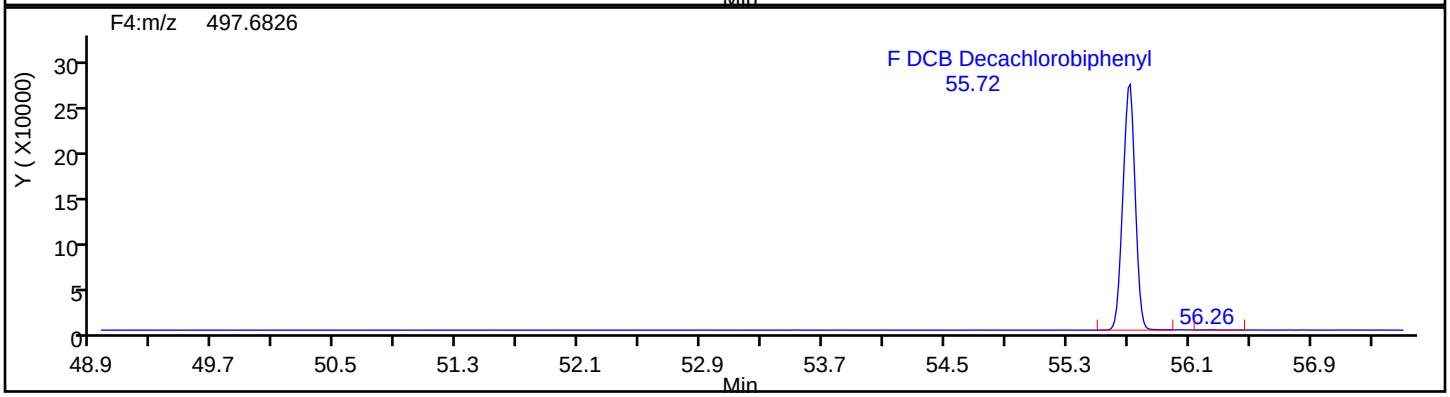
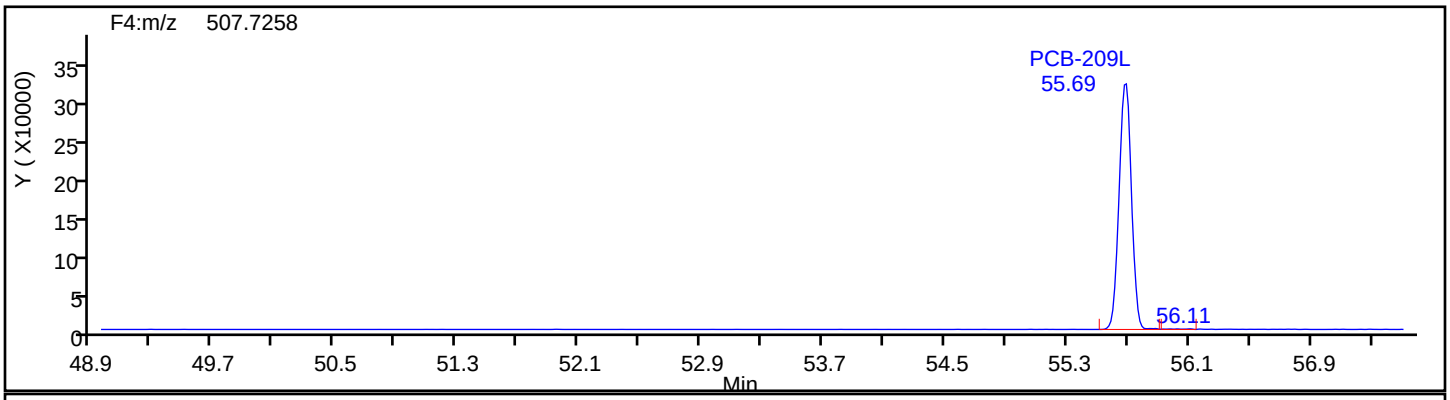
| Injection Date: | 03-Oct-2019 22:32:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

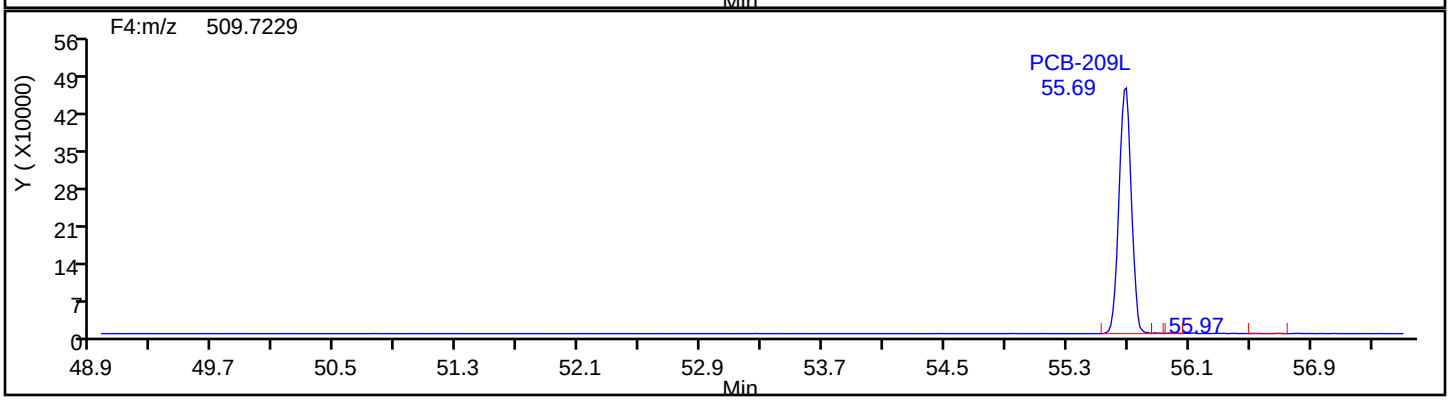
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

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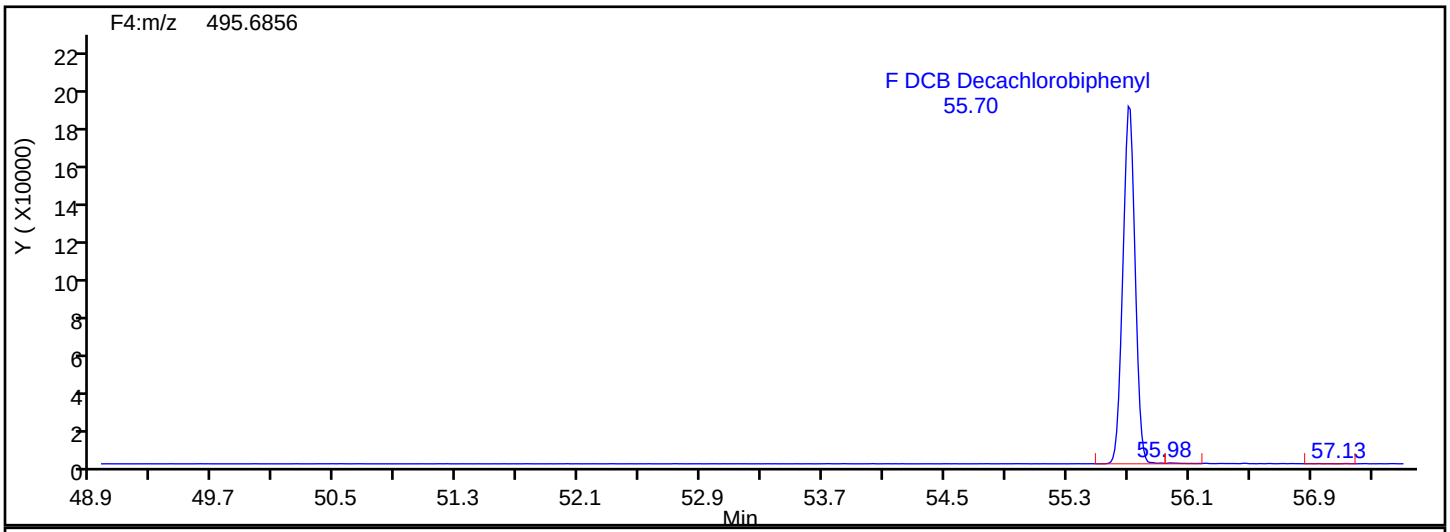
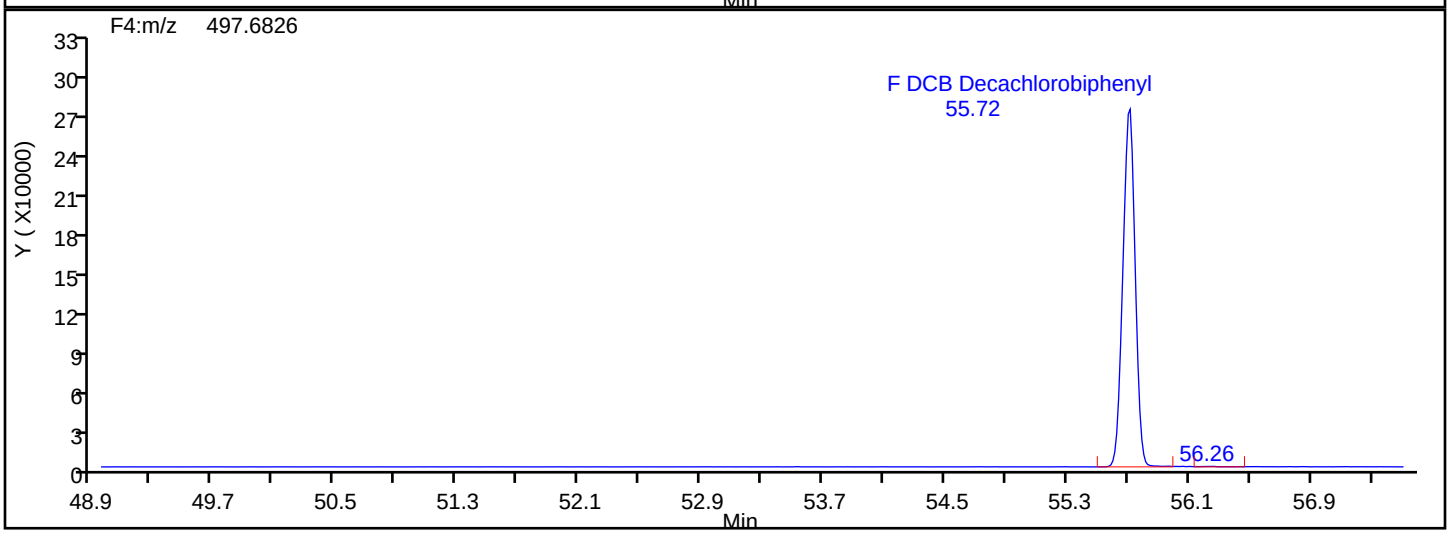
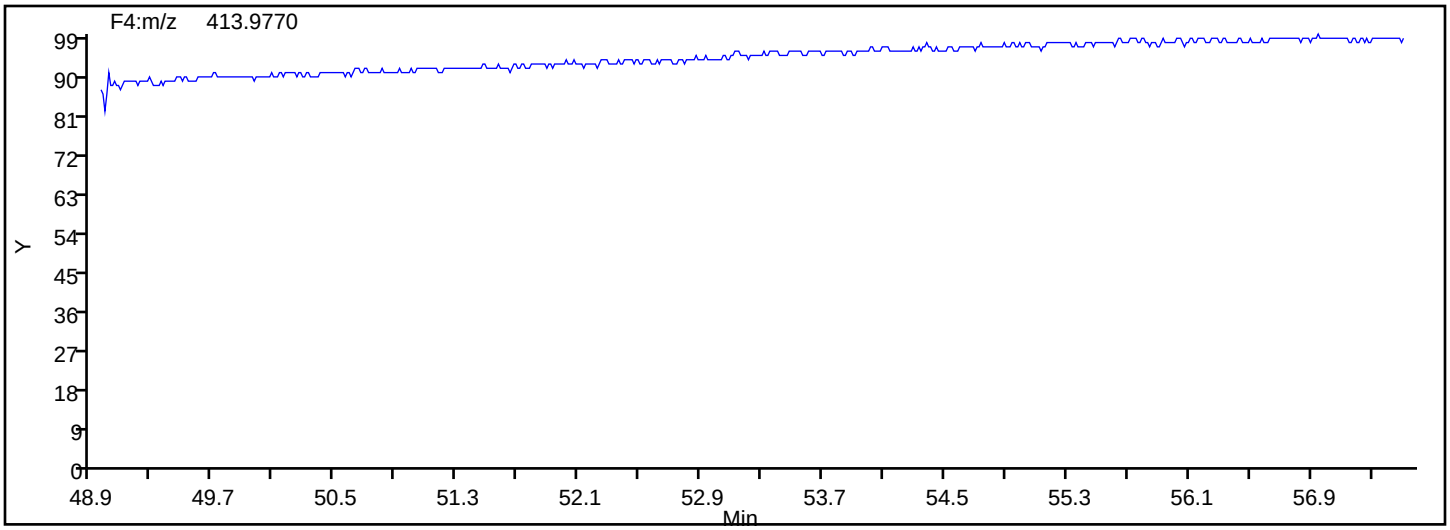
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34168 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34298/1  Calibration Date: 10/09/2019 13:16

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191009s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.199 | | 50.5 | 50.0 | 101 | 70-130 |
| PCB-2 | AveID | 1.191 | 1.205 | | 50.6 | 50.0 | 101 | 70-130 |
| PCB-3 | AveID | 1.213 | 1.193 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-4 | AveID | 1.253 | 1.230 | | 49.1 | 50.0 | 98 | 70-130 |
| PCB-10 | AveID | 1.483 | 1.472 | | 49.6 | 50.0 | 99 | 70-130 |
| PCB-9 | AveID | 1.420 | 1.379 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-7 | AveID | 1.624 | 1.578 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-6 | AveID | 1.554 | 1.484 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-5 | AveID | 1.561 | 1.484 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-8 | AveID | 1.588 | 1.542 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-19 | AveID | 1.305 | 1.197 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-14 | AveID | 1.874 | 1.750 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-18 | AveID | 1.819 | 1.602 | | 88.1 | 100 | 88 | 70-130 |
| PCB-18/30 | AveID | 1.819 | 1.602 | | 88.1 | 100 | 88 | 70-130 |
| PCB-30 | AveID | 1.819 | 1.602 | | 88.1 | 100 | 88 | 70-130 |
| PCB-11 | AveID | 1.635 | 1.463 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-17 | AveID | 1.564 | 1.378 | | 44.0 | 50.0 | 88 | 70-130 |
| PCB-12 | AveID | 1.641 | 1.515 | | 92.3 | 100 | 92 | 70-130 |
| PCB-12/13 | AveID | 1.641 | 1.515 | | 92.3 | 100 | 92 | 70-130 |
| PCB-13 | AveID | 1.641 | 1.515 | | 92.3 | 100 | 92 | 70-130 |
| PCB-27 | AveID | 2.168 | 1.868 | | 43.1 | 50.0 | 86 | 70-130 |
| PCB-24 | AveID | 2.102 | 1.838 | | 43.7 | 50.0 | 87 | 70-130 |
| PCB-16 | AveID | 1.226 | 1.076 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-15 | AveID | 1.402 | 1.325 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-54 | AveID | 1.256 | 1.281 | | 51.0 | 50.0 | 102 | 70-130 |
| PCB-32 | AveID | 2.342 | 2.029 | | 43.3 | 50.0 | 87 | 70-130 |
| PCB-34 | AveID | 1.215 | 1.235 | | 50.8 | 50.0 | 102 | 70-130 |
| PCB-23 | AveID | 1.268 | 1.270 | | 50.1 | 50.0 | 100 | 70-130 |
| PCB-26 | AveID | 1.319 | 1.269 | | 96.2 | 100 | 96 | 70-130 |
| PCB-26/29 | AveID | 1.319 | 1.269 | | 96.2 | 100 | 96 | 70-130 |
| PCB-29 | AveID | 1.319 | 1.269 | | 96.2 | 100 | 96 | 70-130 |
| PCB-25 | AveID | 1.352 | 1.315 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-50 | AveID | 0.9362 | 0.9143 | | 97.7 | 100 | 98 | 70-130 |
| PCB-50/53 | AveID | 0.9362 | 0.9143 | | 97.7 | 100 | 98 | 70-130 |
| PCB-53 | AveID | 0.9362 | 0.9143 | | 97.7 | 100 | 98 | 70-130 |
| PCB-31 | AveID | 1.381 | 1.351 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-20 | AveID | 1.306 | 1.240 | | 94.9 | 100 | 95 | 70-130 |
| PCB-20/28 | AveID | 1.306 | 1.240 | | 94.9 | 100 | 95 | 70-130 |
| PCB-28 | AveID | 1.306 | 1.240 | | 94.9 | 100 | 95 | 70-130 |
| PCB-45 | AveID | 0.8850 | 0.8708 | | 98.4 | 100 | 98 | 70-130 |
| PCB-45/51 | AveID | 0.8850 | 0.8708 | | 98.4 | 100 | 98 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34298/1  Calibration Date: 10/09/2019 13:16

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191009s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.8708 | | 98.4 | 100 | 98 | 70-130 |
| PCB-21 | AveID | 1.378 | 1.324 | | 96.1 | 100 | 96 | 70-130 |
| PCB-21/33 | AveID | 1.378 | 1.324 | | 96.1 | 100 | 96 | 70-130 |
| PCB-33 | AveID | 1.378 | 1.324 | | 96.1 | 100 | 96 | 70-130 |
| PCB-46 | AveID | 0.7591 | 0.7462 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-22 | AveID | 1.243 | 1.222 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-52 | AveID | 0.8992 | 0.8831 | | 49.1 | 50.0 | 98 | 70-130 |
| PCB-43 | AveID | 0.999 | 0.9749 | | 97.6 | 100 | 98 | 70-130 |
| PCB-43/73 | AveID | 0.999 | 0.9749 | | 97.6 | 100 | 98 | 70-130 |
| PCB-73 | AveID | 0.999 | 0.9749 | | 97.6 | 100 | 98 | 70-130 |
| PCB-36 | AveID | 1.347 | 1.370 | | 50.9 | 50.0 | 102 | 70-130 |
| PCB-49 | AveID | 1.137 | 1.092 | | 96.1 | 100 | 96 | 70-130 |
| PCB-49/69 | AveID | 1.137 | 1.092 | | 96.1 | 100 | 96 | 70-130 |
| PCB-69 | AveID | 1.137 | 1.092 | | 96.1 | 100 | 96 | 70-130 |
| PCB-39 | AveID | 1.397 | 1.366 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-48 | AveID | 0.9454 | 0.8897 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-104 | AveID | 1.393 | 1.310 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-44 | AveID | 1.032 | 0.9573 | | 139 | 150 | 93 | 70-130 |
| PCB-44/47/65 | AveID | 1.032 | 0.9573 | | 139 | 150 | 93 | 70-130 |
| PCB-47 | AveID | 1.032 | 0.9573 | | 139 | 150 | 93 | 70-130 |
| PCB-65 | AveID | 1.032 | 0.9573 | | 139 | 150 | 93 | 70-130 |
| PCB-38 | AveID | 1.318 | 1.242 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-59 | AveID | 1.361 | 1.250 | | 138 | 150 | 92 | 70-130 |
| PCB-59/62/75 | AveID | 1.361 | 1.250 | | 138 | 150 | 92 | 70-130 |
| PCB-62 | AveID | 1.361 | 1.250 | | 138 | 150 | 92 | 70-130 |
| PCB-75 | AveID | 1.361 | 1.250 | | 138 | 150 | 92 | 70-130 |
| PCB-96 | AveID | 1.227 | 1.141 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-42 | AveID | 0.8670 | 0.8432 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-35 | AveID | 1.217 | 1.248 | | 51.3 | 50.0 | 103 | 70-130 |
| PCB-40 | AveID | 0.9179 | 0.8730 | | 143 | 150 | 95 | 70-130 |
| PCB-40/41/71 | AveID | 0.9179 | 0.8730 | | 143 | 150 | 95 | 70-130 |
| PCB-41 | AveID | 0.9179 | 0.8730 | | 143 | 150 | 95 | 70-130 |
| PCB-71 | AveID | 0.9179 | 0.8730 | | 143 | 150 | 95 | 70-130 |
| PCB-37 | AveID | 1.288 | 1.293 | | 50.2 | 50.0 | 100 | 70-130 |
| PCB-64 | AveID | 1.416 | 1.338 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-72 | AveID | 1.316 | 1.264 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-103 | AveID | 1.033 | 0.9607 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-68 | AveID | 1.478 | 1.374 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-94 | AveID | 0.9036 | 0.8432 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-57 | AveID | 1.282 | 1.203 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-95 | AveID | 0.9620 | 0.9005 | | 46.8 | 50.0 | 94 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34298/1  Calibration Date: 10/09/2019 13:16

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191009s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.241 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-100 | AveID | 0.9806 | 0.9043 | | 92.2 | 100 | 92 | 70-130 |
| PCB-93 | AveID | 0.9806 | 0.9043 | | 92.2 | 100 | 92 | 70-130 |
| PCB-93/100 | AveID | 0.9806 | 0.9043 | | 92.2 | 100 | 92 | 70-130 |
| PCB-67 | AveID | 1.394 | 1.308 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-102 | AveID | 0.9888 | 0.9190 | | 92.9 | 100 | 93 | 70-130 |
| PCB-98 | AveID | 0.9888 | 0.9190 | | 92.9 | 100 | 93 | 70-130 |
| PCB-98/102 | AveID | 0.9888 | 0.9190 | | 92.9 | 100 | 93 | 70-130 |
| PCB-63 | AveID | 1.468 | 1.364 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-88 | AveID | 1.005 | 0.9110 | | 90.6 | 100 | 91 | 70-130 |
| PCB-88/91 | AveID | 1.005 | 0.9110 | | 90.6 | 100 | 91 | 70-130 |
| PCB-91 | AveID | 1.005 | 0.9110 | | 90.6 | 100 | 91 | 70-130 |
| PCB-61 | AveID | 1.357 | 1.243 | | 183 | 200 | 92 | 70-130 |
| PCB-61/70/74/76 | AveID | 1.357 | 1.243 | | 183 | 200 | 92 | 70-130 |
| PCB-70 | AveID | 1.357 | 1.243 | | 183 | 200 | 92 | 70-130 |
| PCB-74 | AveID | 1.357 | 1.243 | | 183 | 200 | 92 | 70-130 |
| PCB-76 | AveID | 1.357 | 1.243 | | 183 | 200 | 92 | 70-130 |
| PCB-84 | AveID | 0.8601 | 0.7812 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-66 | AveID | 1.280 | 1.221 | | 47.7 | 50.0 | 95 | 70-130 |
| PCB-55 | AveID | 1.295 | 1.211 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-89 | AveID | 0.8936 | 0.8410 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-56 | AveID | 1.267 | 1.172 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-121 | AveID | 1.397 | 1.280 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-60 | AveID | 1.329 | 1.219 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-92 | AveID | 0.9532 | 0.8982 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-80 | AveID | 1.469 | 1.391 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-155 | AveID | 1.303 | 1.189 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-152 | AveID | 1.256 | 1.131 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-101 | AveID | 1.137 | 1.029 | | 136 | 150 | 91 | 70-130 |
| PCB-113 | AveID | 1.137 | 1.029 | | 136 | 150 | 91 | 70-130 |
| PCB-90 | AveID | 1.137 | 1.029 | | 136 | 150 | 91 | 70-130 |
| PCB-90/101/113 | AveID | 1.137 | 1.029 | | 136 | 150 | 91 | 70-130 |
| PCB-150 | AveID | 1.237 | 1.139 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-136 | AveID | 1.156 | 1.062 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-83 | AveID | 0.9393 | 0.8696 | | 92.6 | 100 | 93 | 70-130 |
| PCB-83/99 | AveID | 0.9393 | 0.8696 | | 92.6 | 100 | 93 | 70-130 |
| PCB-99 | AveID | 0.9393 | 0.8696 | | 92.6 | 100 | 93 | 70-130 |
| PCB-112 | AveID | 1.367 | 1.262 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-145 | AveID | 1.191 | 1.097 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-109 | AveID | 1.196 | 1.047 | | 263 | 300 | 88 | 70-130 |
| PCB-119 | AveID | 1.196 | 1.047 | | 263 | 300 | 88 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34298/1  Calibration Date: 10/09/2019 13:16

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191009s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.047 | | 263 | 300 | 88 | 70-130 |
| PCB-79 | AveID | 1.542 | 1.420 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-86 | AveID | 1.196 | 1.047 | | 263 | 300 | 88 | 70-130 |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.047 | | 263 | 300 | 88 | 70-130 |
| PCB-87 | AveID | 1.196 | 1.047 | | 263 | 300 | 88 | 70-130 |
| PCB-97 | AveID | 1.196 | 1.047 | | 263 | 300 | 88 | 70-130 |
| PCB-78 | AveID | 1.315 | 1.185 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-116 | AveID | 1.213 | 1.087 | | 135 | 150 | 90 | 70-130 |
| PCB-117 | AveID | 1.213 | 1.087 | | 135 | 150 | 90 | 70-130 |
| PCB-85 | AveID | 1.213 | 1.087 | | 135 | 150 | 90 | 70-130 |
| PCB-85/116/117 | AveID | 1.213 | 1.087 | | 135 | 150 | 90 | 70-130 |
| PCB-110 | AveID | 1.351 | 1.223 | | 90.5 | 100 | 91 | 70-130 |
| PCB-110/115 | AveID | 1.351 | 1.223 | | 90.5 | 100 | 91 | 70-130 |
| PCB-115 | AveID | 1.351 | 1.223 | | 90.5 | 100 | 91 | 70-130 |
| PCB-81 | AveID | 1.321 | 1.298 | | 49.1 | 50.0 | 98 | 70-130 |
| PCB-82 | AveID | 0.8675 | 0.8066 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-148 | AveID | 0.8982 | 0.8191 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-77 | AveID | 1.331 | 1.272 | | 47.8 | 50.0 | 96 | 70-130 |
| PCB-111 | AveID | 1.426 | 1.326 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-135 | AveID | 0.8691 | 0.7871 | | 90.6 | 100 | 91 | 70-130 |
| PCB-135/151 | AveID | 0.8691 | 0.7871 | | 90.6 | 100 | 91 | 70-130 |
| PCB-151 | AveID | 0.8691 | 0.7871 | | 90.6 | 100 | 91 | 70-130 |
| PCB-120 | AveID | 1.491 | 1.363 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-154 | AveID | 1.018 | 0.9435 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-144 | AveID | 0.9185 | 0.8446 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-147 | AveID | 0.9747 | 0.9018 | | 92.5 | 100 | 93 | 70-130 |
| PCB-147/149 | AveID | 0.9747 | 0.9018 | | 92.5 | 100 | 93 | 70-130 |
| PCB-149 | AveID | 0.9747 | 0.9018 | | 92.5 | 100 | 93 | 70-130 |
| PCB-134 | AveID | 0.8518 | 0.8017 | | 94.1 | 100 | 94 | 70-130 |
| PCB-134/143 | AveID | 0.8518 | 0.8017 | | 94.1 | 100 | 94 | 70-130 |
| PCB-143 | AveID | 0.8518 | 0.8017 | | 94.1 | 100 | 94 | 70-130 |
| PCB-108 | AveID | 1.255 | 1.179 | | 94.0 | 100 | 94 | 70-130 |
| PCB-108/124 | AveID | 1.255 | 1.179 | | 94.0 | 100 | 94 | 70-130 |
| PCB-124 | AveID | 1.255 | 1.179 | | 94.0 | 100 | 94 | 70-130 |
| PCB-139 | AveID | 1.000 | 0.9312 | | 93.2 | 100 | 93 | 70-130 |
| PCB-139/140 | AveID | 1.000 | 0.9312 | | 93.2 | 100 | 93 | 70-130 |
| PCB-140 | AveID | 1.000 | 0.9312 | | 93.2 | 100 | 93 | 70-130 |
| PCB-107 | AveID | 1.358 | 1.300 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-131 | AveID | 0.8584 | 0.7946 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-123 | AveID | 1.341 | 1.315 | | 49.0 | 50.0 | 98 | 70-130 |
| PCB-106 | AveID | 1.275 | 1.236 | | 48.5 | 50.0 | 97 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34298/1  Calibration Date: 10/09/2019 13:16

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191009s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.8190 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-118 | AveID | 1.289 | 1.273 | | 49.4 | 50.0 | 99 | 70-130 |
| PCB-132 | AveID | 0.8801 | 0.8296 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-122 | AveID | 1.161 | 1.124 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-114 | AveID | 1.405 | 1.349 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-188 | AveID | 1.250 | 1.157 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-133 | AveID | 0.9064 | 0.8478 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-179 | AveID | 1.415 | 1.332 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-165 | AveID | 1.121 | 1.051 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-105 | AveID | 1.289 | 1.260 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-146 | AveID | 1.008 | 0.9577 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-161 | AveID | 1.337 | 1.200 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-184 | AveID | 1.419 | 1.333 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-176 | AveID | 1.521 | 1.462 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-153 | AveID | 1.221 | 1.118 | | 91.6 | 100 | 92 | 70-130 |
| PCB-153/168 | AveID | 1.221 | 1.118 | | 91.6 | 100 | 92 | 70-130 |
| PCB-168 | AveID | 1.221 | 1.118 | | 91.6 | 100 | 92 | 70-130 |
| PCB-141 | AveID | 0.9608 | 0.9115 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-186 | AveID | 1.435 | 1.392 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-130 | AveID | 0.8274 | 0.7675 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-127 | AveID | 1.284 | 1.288 | | 50.2 | 50.0 | 100 | 70-130 |
| PCB-137 | AveID | 1.058 | 0.9693 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-164 | AveID | 1.253 | 1.152 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-129 | AveID | 1.084 | 0.9873 | | 182 | 200 | 91 | 70-130 |
| PCB-129/138/160/163 | AveID | 1.084 | 0.9873 | | 182 | 200 | 91 | 70-130 |
| PCB-138 | AveID | 1.084 | 0.9873 | | 182 | 200 | 91 | 70-130 |
| PCB-160 | AveID | 1.084 | 0.9873 | | 182 | 200 | 91 | 70-130 |
| PCB-163 | AveID | 1.084 | 0.9873 | | 182 | 200 | 91 | 70-130 |
| PCB-158 | AveID | 1.386 | 1.277 | | 46.1 | 50.0 | 92 | 70-130 |
| PCB-178 | AveID | 1.023 | 0.9807 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-175 | AveID | 1.069 | 1.010 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-126 | AveID | 1.342 | 1.299 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-128 | AveID | 1.116 | 1.010 | | 90.5 | 100 | 90 | 70-130 |
| PCB-128/166 | AveID | 1.116 | 1.010 | | 90.5 | 100 | 90 | 70-130 |
| PCB-166 | AveID | 1.116 | 1.010 | | 90.5 | 100 | 90 | 70-130 |
| PCB-187 | AveID | 1.111 | 1.052 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-182 | AveID | 1.148 | 1.103 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-183 | AveID | 1.137 | 1.081 | | 95.1 | 100 | 95 | 70-130 |
| PCB-183/185 | AveID | 1.137 | 1.081 | | 95.1 | 100 | 95 | 70-130 |
| PCB-185 | AveID | 1.137 | 1.081 | | 95.1 | 100 | 95 | 70-130 |
| PCB-174 | AveID | 0.9547 | 0.9138 | | 47.9 | 50.0 | 96 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34298/1  Calibration Date: 10/09/2019 13:16

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191009s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.218 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-162 | AveID | 1.362 | 1.278 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-177 | AveID | 0.9426 | 0.9043 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-202 | AveID | 1.053 | 0.998 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-167 | AveID | 1.336 | 1.296 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-181 | AveID | 1.107 | 1.048 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-171 | AveID | 0.9603 | 0.9120 | | 95.0 | 100 | 95 | 70-130 |
| PCB-171/173 | AveID | 0.9603 | 0.9120 | | 95.0 | 100 | 95 | 70-130 |
| PCB-173 | AveID | 0.9603 | 0.9120 | | 95.0 | 100 | 95 | 70-130 |
| PCB-201 | AveID | 1.186 | 1.100 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-156 | AveID | 1.276 | 1.237 | | 96.9 | 100 | 97 | 70-130 |
| PCB-156/157 | AveID | 1.276 | 1.237 | | 96.9 | 100 | 97 | 70-130 |
| PCB-157 | AveID | 1.276 | 1.237 | | 96.9 | 100 | 97 | 70-130 |
| PCB-204 | AveID | 1.101 | 1.048 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-197 | AveID | 1.205 | 1.113 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-200 | AveID | 1.126 | 1.090 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-172 | AveID | 0.9918 | 0.9685 | | 48.8 | 50.0 | 98 | 70-130 |
| PCB-192 | AveID | 1.290 | 1.272 | | 49.3 | 50.0 | 99 | 70-130 |
| PCB-180 | AveID | 1.229 | 1.187 | | 96.6 | 100 | 97 | 70-130 |
| PCB-180/193 | AveID | 1.229 | 1.187 | | 96.6 | 100 | 97 | 70-130 |
| PCB-193 | AveID | 1.229 | 1.187 | | 96.6 | 100 | 97 | 70-130 |
| PCB-191 | AveID | 1.385 | 1.351 | | 48.8 | 50.0 | 98 | 70-130 |
| PCB-170 | AveID | 1.270 | 1.312 | | 51.7 | 50.0 | 103 | 70-130 |
| PCB-190 | AveID | 1.377 | 1.348 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-169 | AveID | 1.283 | 1.223 | | 47.7 | 50.0 | 95 | 70-130 |
| PCB-198 | AveID | 0.8183 | 0.7719 | | 94.3 | 100 | 94 | 70-130 |
| PCB-198/199 | AveID | 0.8183 | 0.7719 | | 94.3 | 100 | 94 | 70-130 |
| PCB-199 | AveID | 0.8183 | 0.7719 | | 94.3 | 100 | 94 | 70-130 |
| PCB-196 | AveID | 0.8748 | 0.8192 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-203 | AveID | 0.9219 | 0.8635 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-208 | AveID | 1.157 | 1.108 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-195 | AveID | 0.7839 | 0.8809 | | 56.2 | 50.0 | 112 | 70-130 |
| PCB-189 | AveID | 1.280 | 1.287 | | 50.3 | 50.0 | 101 | 70-130 |
| PCB-207 | AveID | 1.396 | 1.296 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-194 | AveID | 0.9282 | 0.9326 | | 50.2 | 50.0 | 100 | 70-130 |
| PCB-205 | AveID | 1.234 | 1.200 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-206 | AveID | 1.193 | 1.148 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-209 | AveID | 1.246 | 1.170 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-1L | Ave | 1.314 | 1.370 | | 104 | 100 | 104 | 50-150 |
| PCB-3L | Ave | 1.362 | 1.447 | | 106 | 100 | 106 | 50-150 |
| PCB-4L | Ave | 0.5996 | 0.6394 | | 107 | 100 | 107 | 50-150 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34298/1  Calibration Date: 10/09/2019 13:16

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191009s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.6470 | | 106 | 100 | 106 | 50-150 |
| PCB-15L | Ave | 1.028 | 1.078 | | 105 | 100 | 105 | 50-150 |
| PCB-54L | Ave | 0.6515 | 0.6204 | | 95.2 | 100 | 95 | 50-150 |
| PCB-104L | Ave | 1.116 | 1.265 | | 113 | 100 | 113 | 50-150 |
| PCB-37L | Ave | 0.9024 | 0.9592 | | 106 | 100 | 106 | 50-150 |
| PCB-155L | Ave | 0.9499 | 1.129 | | 119 | 100 | 119 | 50-150 |
| PCB-81L | Ave | 1.233 | 1.275 | | 103 | 100 | 103 | 50-150 |
| PCB-77L | Ave | 1.252 | 1.320 | | 105 | 100 | 105 | 50-150 |
| PCB-123L | Ave | 0.9909 | 0.9819 | | 99.1 | 100 | 99 | 50-150 |
| PCB-118L | Ave | 1.026 | 1.026 | | 100 | 100 | 100 | 50-150 |
| PCB-114L | Ave | 1.003 | 0.995 | | 99.2 | 100 | 99 | 50-150 |
| PCB-188L | Ave | 1.316 | 1.355 | | 103 | 100 | 103 | 50-150 |
| PCB-105L | Ave | 1.001 | 0.995 | | 99.4 | 100 | 99 | 50-150 |
| PCB-126L | Ave | 0.9020 | 0.9623 | | 107 | 100 | 107 | 50-150 |
| PCB-202L | Ave | 1.006 | 1.038 | | 103 | 100 | 103 | 50-150 |
| PCB-167L | Ave | 1.254 | 1.260 | | 100 | 100 | 100 | 50-150 |
| PCB-156L | Ave | 1.229 | 1.242 | | 202 | 200 | 101 | 50-150 |
| PCB-156L/157L | Ave | 1.229 | 1.242 | | 202 | 200 | 101 | 50-150 |
| PCB-157L | Ave | 1.229 | 1.242 | | 202 | 200 | 101 | 50-150 |
| PCB-170L | Ave | 0.8357 | 0.8071 | | 96.6 | 100 | 97 | 50-150 |
| PCB-169L | Ave | 1.088 | 1.277 | | 117 | 100 | 117 | 50-150 |
| PCB-208L | Ave | 1.138 | 1.148 | | 101 | 100 | 101 | 50-150 |
| PCB-189L | Ave | 1.467 | 1.669 | | 114 | 100 | 114 | 50-150 |
| PCB-205L | Ave | 1.287 | 1.213 | | 94.3 | 100 | 94 | 50-150 |
| PCB-206L | Ave | 0.8938 | 0.7632 | | 85.4 | 100 | 85 | 50-150 |
| PCB-209L | Ave | 0.9809 | 0.8901 | | 90.7 | 100 | 91 | 50-150 |
| PCB-8L | AveID | 1.309 | 1.152 | | 44.0 | 50.0 | 88 | 50-150 |
| PCB-28L | Ave | 1.098 | 1.120 | | 51.0 | 50.0 | 102 | 60-130 |
| PCB-95L | AveID | 0.7770 | 0.7084 | | 45.6 | 50.0 | 91 | 50-150 |
| PCB-79L | AveID | 1.124 | 1.025 | | 45.6 | 50.0 | 91 | 50-150 |
| PCB-111L | Ave | 1.218 | 1.322 | | 54.3 | 50.0 | 109 | 60-130 |
| PCB-153L | AveID | 0.9597 | 0.8290 | | 43.2 | 50.0 | 86 | 50-150 |
| PCB-178L | Ave | 0.9222 | 0.9899 | | 53.7 | 50.0 | 107 | 60-130 |

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

| | |
|---|---|
| Date: | 09 Oct 2019 12:45 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

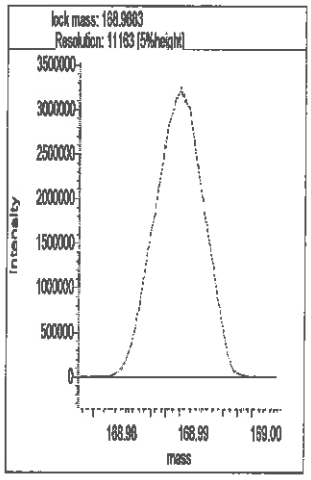
_191009s1a

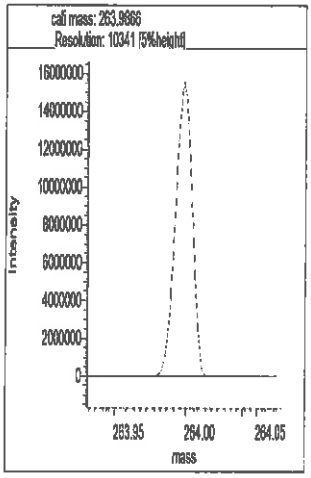
## Segment 1

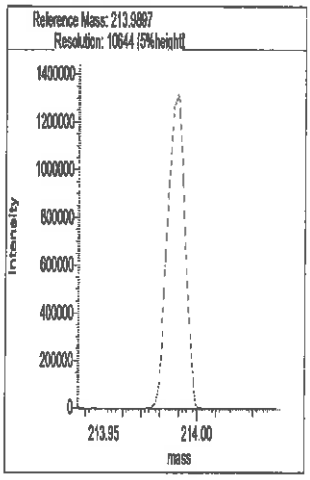
Lock mass 168.9883 [m/z] Resolution: 11163 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10341 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 10644 [5%height]



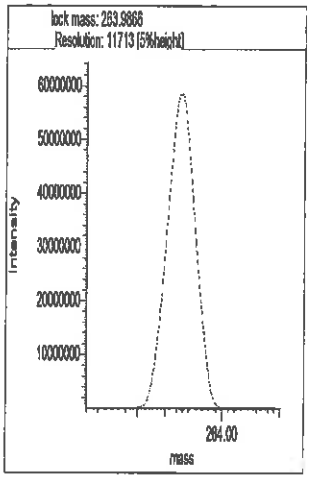

## Segment 2

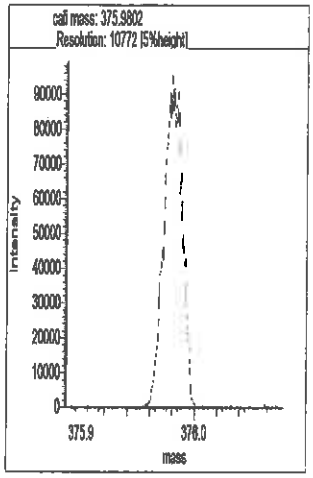
Lock mass 263.9866 [m/z] Resolution: 11713 [5%height]

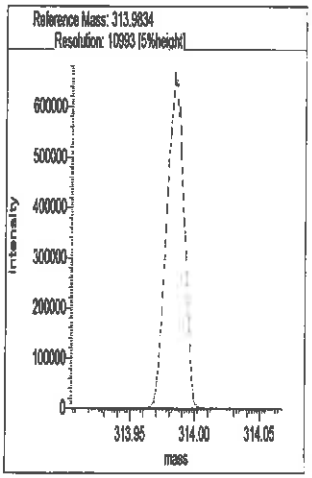
Cali. mass 375.9802 [m/z] Resolution: 10772 [5%height]

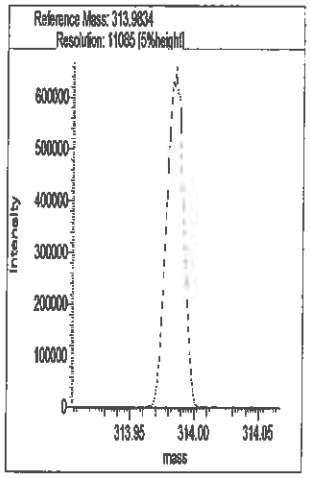
Ref. mass 313.9834 [m/z] Resolution: 10993 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 11085 [5%height]







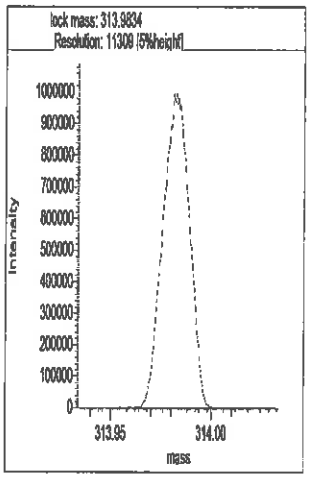


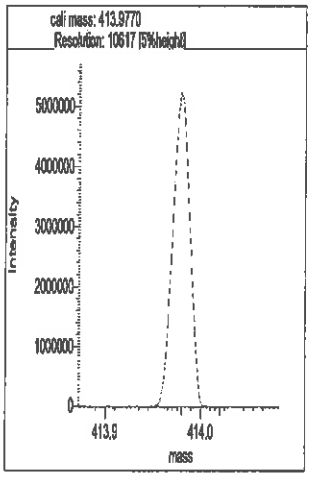

Segment 3

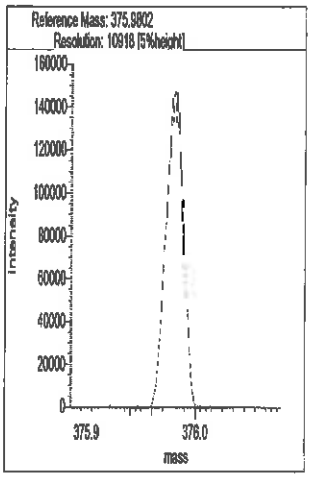
Lock mass 313.9834 [m/z] Resolution: 11309 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 10617 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 10918 [5%height]





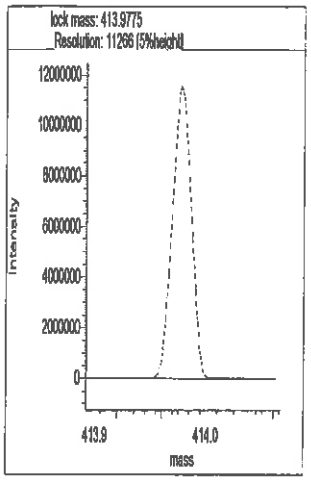


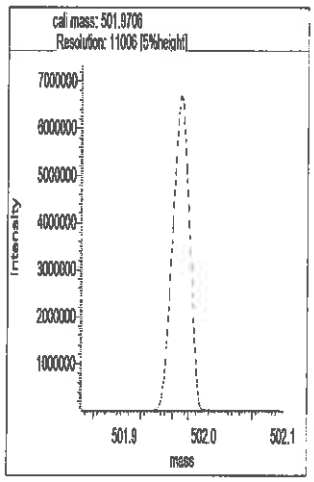

Segment 4

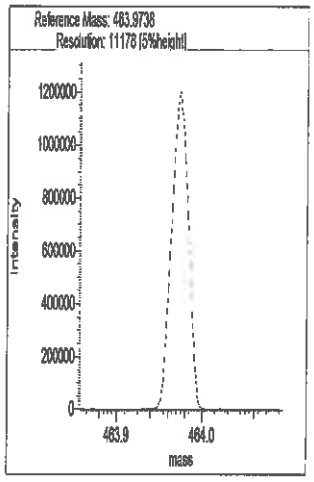
Lock mass 413.9775 [m/z] Resolution: 11266 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 11006 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 11178 [5%height]


lock mass: 413.9775
Resolution: 11266 [5%height]
Intensity
12000000
10000000
8000000
6000000
4000000
2000000
0
413.9
414.0
mass


cal mass: 501.9706
Resolution: 11006 [5%height]
Intensity
7000000
6000000
5000000
4000000
3000000
2000000
1000000
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 11178 [5%height]
Intensity
1200000
1000000
800000
600000
400000
200000
0
463.9
464.0
mass

```
Reports
12:54:39:  Peak matching procedure started
12:54:39:
12:54:40:  Reference mass: 168.98827
12:54:40:  Sample mass: 214.0
12:54:41:
12:54:41:  Finding reference mass
12:54:42:  Finding sample mass
12:54:43:
12:54:49:  [1]   213.9888 amu, mean: 213.9888
12:54:52:  [2]   213.9887 amu, mean: 213.9887     SD: 0.09 mmu or: 0.44 ppm
12:54:55:  [3]   213.9887 amu, mean: 213.9887     SD: 0.07 mmu or: 0.31 ppm
12:54:58:  [4]   213.9890 amu, mean: 213.9888     SD: 0.16 mmu or: 0.74 ppm
12:54:59:
12:54:59:  Stop requested. Please wait for procedure to finish.
12:54:59:
12:55:01:  [5]   213.9892 amu, mean: 213.9889     SD: 0.22 mmu or: 1.05 ppm
```

Signature MM/ID 10/9/19

Xcalibur rev. 2.1, DC rev. 2.2 10/9/2019 12:55:05 PM

```
Reports
12:55:30:  Peak matching procedure started
12:55:31:
12:55:31:  Reference mass: 213.98975
12:55:32:  Sample mass: 264.0
12:55:32:
12:55:33:  Finding reference mass
12:55:34:  Finding sample mass
12:55:34:
12:55:40:  [1]    263.9858 amu, mean: 263.9858
12:55:43:  [2]    263.9860 amu, mean: 263.9859     SD: 0.13 mmu or: 0.48 ppm
12:55:46:  [3]    263.9855 amu, mean: 263.9857     SD: 0.23 mmu or: 0.87 ppm
12:55:49:  [4]    263.9853 amu, mean: 263.9856     SD: 0.28 mmu or: 1.05 ppm
12:55:50:
12:55:50:  Stop requested. Please wait for procedure to finish.
12:55:50:
12:55:52:
```

Signature MM/ID 10/9/19

Reports
12:56:25: Peak matching procedure started
12:56:26:
12:56:27: Reference mass: 263.98656
12:56:27: Sample mass: 314.0
12:56:27:
12:56:28: Finding reference mass
12:56:29: Finding sample mass
12:56:30:
12:56:35: [1] 313.9819 amu, mean: 313.9819
12:56:39: [2] 313.9821 amu, mean: 313.9820 SD: 0.16 mmu or: 0.51 ppm
12:56:42: [3] 313.9822 amu, mean: 313.9821 SD: 0.19 mmu or: 0.60 ppm
12:56:45: [4] 313.9825 amu, mean: 313.9822 SD: 0.28 mmu or: 0.90 ppm
12:56:45:
12:56:45: Stop requested. Please wait for procedure to finish.
12:56:45:

Signature MM/ID 10/9/19

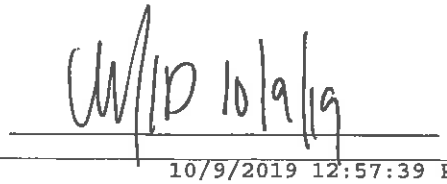
Reports

```
12:57:14:  Peak matching procedure started
12:57:14:
12:57:15:  Reference mass: 313.98336
12:57:16:  Sample mass: 376.0
12:57:16:
12:57:17:  Finding reference mass
12:57:18:  Finding sample mass
12:57:18:
12:57:24:  [1]    375.9788 amu, mean: 375.9788
12:57:27:  [2]    375.9790 amu, mean: 375.9789     SD: 0.16 mmu or: 0.42 ppm
12:57:30:  [3]    375.9780 amu, mean: 375.9786     SD: 0.53 mmu or: 1.41 ppm
12:57:33:  [4]    375.9788 amu, mean: 375.9786     SD: 0.45 mmu or: 1.19 ppm
12:57:34:
12:57:34:  Stop requested. Please wait for procedure to finish.
12:57:34:
```

Signature

Reports

```
12:57:14:  Peak matching procedure started
12:57:14:
12:57:15:  Reference mass: 313.98336
12:57:16:  Sample mass: 376.0
12:57:16:
12:57:17:  Finding reference mass
12:57:18:  Finding sample mass
12:57:18:
12:57:24:  [1]    375.9788 amu, mean: 375.9788
12:57:27:  [2]    375.9790 amu, mean: 375.9789     SD: 0.16 mmu or: 0.42 ppm
12:57:30:  [3]    375.9780 amu, mean: 375.9786     SD: 0.53 mmu or: 1.41 ppm
12:57:33:  [4]    375.9788 amu, mean: 375.9786     SD: 0.45 mmu or: 1.19 ppm
12:57:34:
12:57:34:  Stop requested. Please wait for procedure to finish.
12:57:34:
```

Signature 

```
Reports
12:58:11:  Peak matching procedure started
12:58:11:
12:58:12:  Reference mass: 375.98017
12:58:12:  Sample mass: 414.0
12:58:13:
12:58:13:  Finding reference mass
12:58:15:  Finding sample mass
12:58:15:
12:58:21:  [1]    413.9755 amu, mean: 413.9755
12:58:24:  [2]    413.9760 amu, mean: 413.9758     SD: 0.37 mmu or: 0.90 ppm
12:58:27:  [3]    413.9758 amu, mean: 413.9758     SD: 0.27 mmu or: 0.64 ppm
12:58:30:  [4]    413.9757 amu, mean: 413.9758     SD: 0.22 mmu or: 0.53 ppm
12:58:31:
12:58:31:  Stop requested. Please wait for procedure to finish.
12:58:31:
12:58:33:  [5]    413.9756 amu, mean: 413.9757     SD: 0.20 mmu or: 0.49 ppm
```

Signature MM/ID 10/9/19

```
Reports
12:59:17:  Peak matching procedure started
12:59:18:
12:59:18:  Reference mass: 413.97698
12:59:19:  Sample mass: 464.0
12:59:19:
12:59:20:  Finding reference mass
12:59:21:  Finding sample mass
12:59:21:
12:59:27:  [1]   463.9713 amu, mean: 463.9713
12:59:30:  [2]   463.9718 amu, mean: 463.9715     SD: 0.35 mmu or: 0.75 ppm
12:59:33:  [3]   463.9719 amu, mean: 463.9716     SD: 0.33 mmu or: 0.71 ppm
12:59:36:  [4]   463.9720 amu, mean: 463.9717     SD: 0.34 mmu or: 0.73 ppm
12:59:37:
12:59:37:  Stop requested. Please wait for procedure to finish.
12:59:37:
```

Signature MM/ID 10/9/19

Xcalibur rev. 2.1, DC rev. 2.2 10/9/2019 12:59:42 PM

```
Reports
13:00:09:  Peak matching procedure started
13:00:10:
13:00:10:  Reference mass: 463.97378
13:00:11:  Sample mass: 502.0
13:00:11:
13:00:12:  Finding reference mass
13:00:13:  Finding sample mass
13:00:13:
13:00:19:  [1]    501.9703 amu, mean: 501.9703
13:00:22:  [2]    501.9701 amu, mean: 501.9702     SD: 0.17 mmu or: 0.34 ppm
13:00:25:  [3]    501.9697 amu, mean: 501.9700     SD: 0.30 mmu or: 0.60 ppm
13:00:28:  [4]    501.9701 amu, mean: 501.9701     SD: 0.25 mmu or: 0.50 ppm
13:00:29:
13:00:29:  Stop requested. Please wait for procedure to finish.
13:00:29:
```

Signature MW/ED 10/9/19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

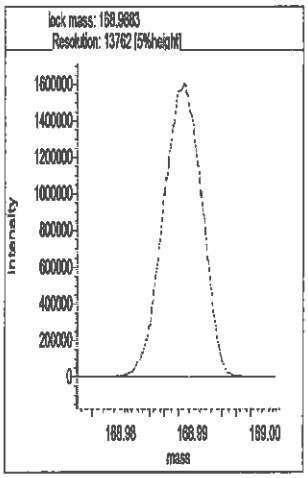
| | |
|---|---|
| Date: | 10 Oct 2019 00:14 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

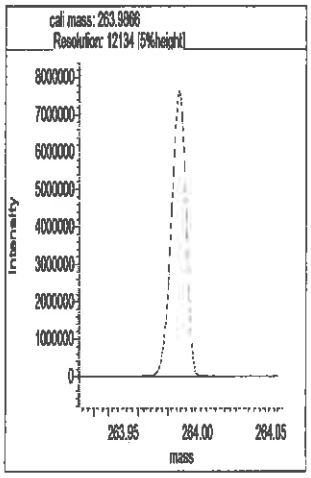
Segment 1

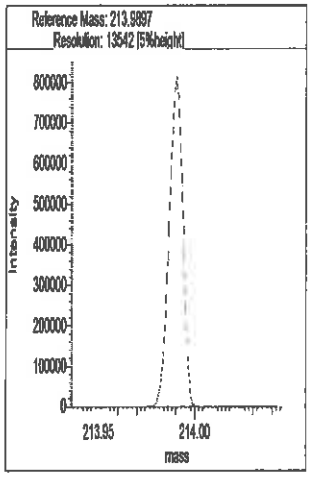
Lock mass 168.9883 [m/z] Resolution: 13762 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 12134 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 13542 [5%height]




Segment 2

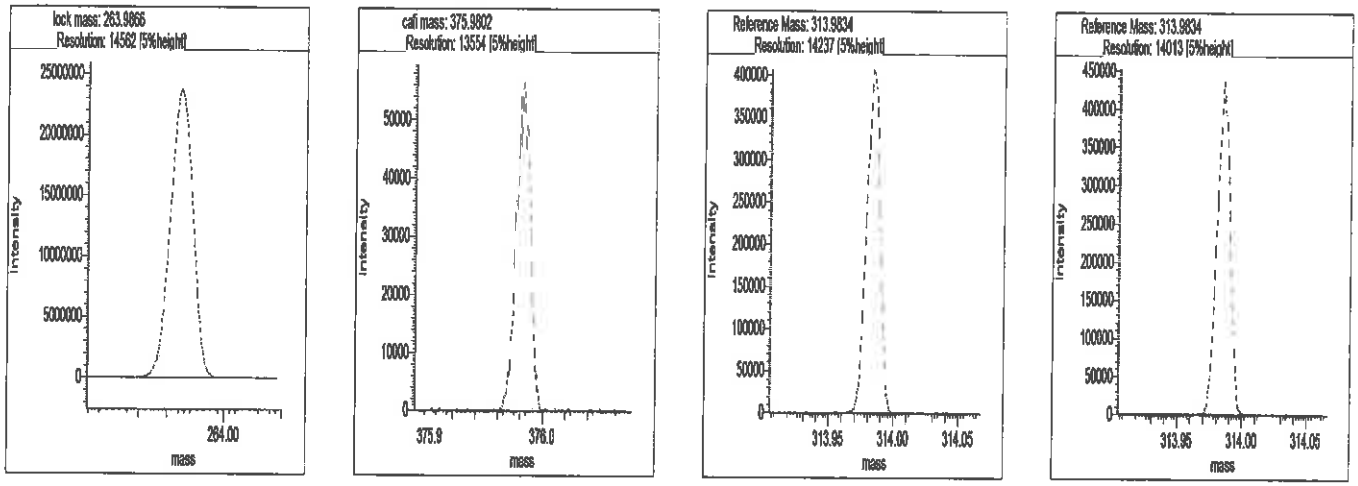
Lock mass 263.9866 [m/z] Resolution: 14562 [5%height]

Cali. mass 375.9802 [m/z] Resolution: 13554 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 14237 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 14013 [5%height]

_191009s1b

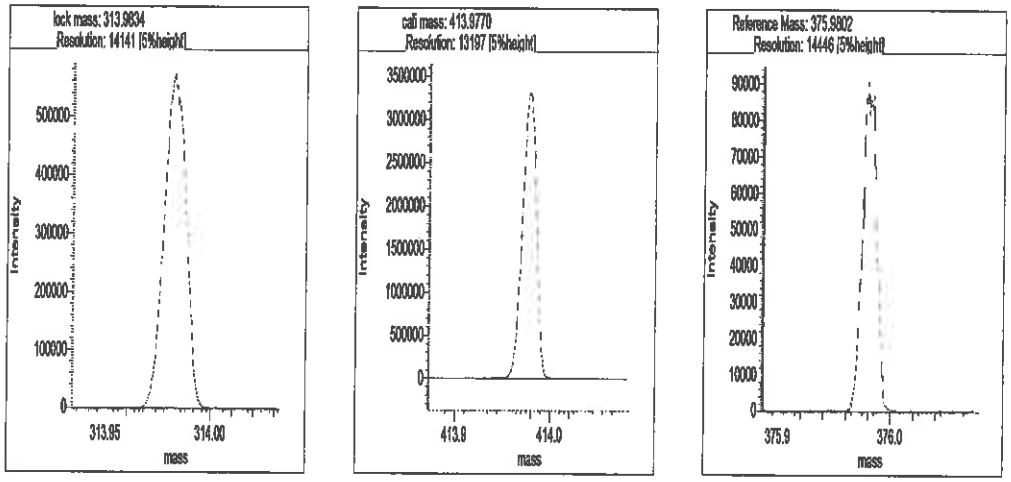



Segment 3

Lock mass 313.9834 [m/z] Resolution: 14141 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 13197 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 14446 [5%height]

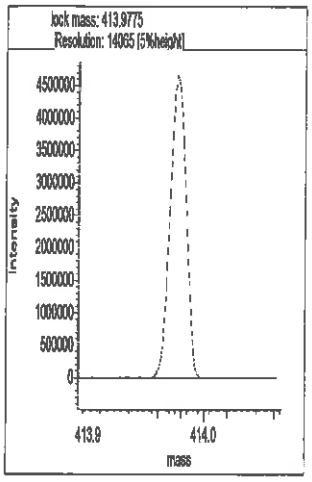


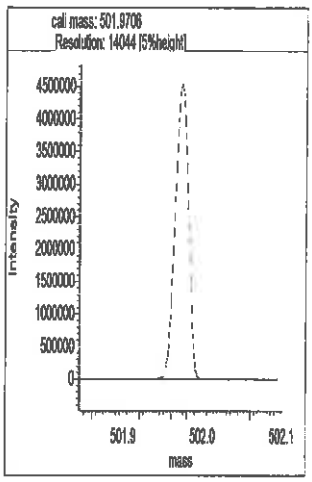

Segment 4

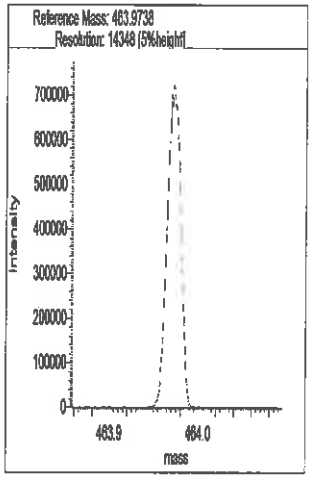
Lock mass 413.9775 [m/z] Resolution: 14065 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 14044 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 14348 [5%height]


lock mass: 413.9775
Resolution: 14065 [5%height]
Intensity
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
413.9
414.0
mass


cal mass: 501.9706
Resolution: 14044 [5%height]
Intensity
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
501.9
502.0
mass


Reference Mass: 463.9738
Resolution: 14348 [5%height]
Intensity
700000
600000
500000
400000
300000
200000
100000
0
463.9
464.0
mass

Reports

```
00:23:40:  Peak matching procedure started
00:23:41:
00:23:41:  Reference mass: 168.98827
00:23:42:  Sample mass: 214.0
00:23:42:
00:23:43:  Finding reference mass
00:23:44:  Finding sample mass
00:23:44:
00:23:50:  [1]    213.9890 amu, mean: 213.9890
00:23:53:  [2]    213.9892 amu, mean: 213.9891      SD: 0.16 mmu or: 0.75 ppm
00:23:56:  [3]    213.9892 amu, mean: 213.9891      SD: 0.14 mmu or: 0.66 ppm
00:23:59:  [4]    213.9894 amu, mean: 213.9892      SD: 0.18 mmu or: 0.83 ppm
00:24:00:
00:24:00:  Stop requested. Please wait for procedure to finish.
00:24:00:
00:24:02:
00:24:03:  Peakmatching stopped
```

Signature LK 10-10-19

Reports

```
00:24:45:  Peak matching procedure started
00:24:46:
00:24:46:  Reference mass: 213.98975
00:24:47:  Sample mass: 264.0
00:24:47:
00:24:48:  Finding reference mass
00:24:49:  Finding sample mass
00:24:49:
00:24:55:  [1]    263.9866 amu, mean: 263.9866
00:24:58:  [2]    263.9864 amu, mean: 263.9865     SD: 0.10 mmu or: 0.39 ppm
00:25:01:  [3]    263.9865 amu, mean: 263.9865     SD: 0.07 mmu or: 0.28 ppm
00:25:04:  [4]    263.9862 amu, mean: 263.9864     SD: 0.18 mmu or: 0.69 ppm
00:25:05:
00:25:05:  Stop requested. Please wait for procedure to finish.
00:25:05:
00:25:08:
00:25:08:  Peakmatching stopped
```

Signature 10-10-19

```
Reports
00:25:58:  Peak matching procedure started
00:25:59:
00:25:59:  Reference mass: 263.98656
00:26:00:  Sample mass: 314.0
00:26:00:
00:26:01:  Finding reference mass
00:26:02:  Finding sample mass
00:26:03:
00:26:08:  [1]    313.9835 amu, mean: 313.9835
00:26:11:  [2]    313.9830 amu, mean: 313.9833     SD: 0.32 mmu or: 1.01 ppm
00:26:15:  [3]    313.9829 amu, mean: 313.9831     SD: 0.31 mmu or: 0.99 ppm
00:26:18:  [4]    313.9826 amu, mean: 313.9830     SD: 0.36 mmu or: 1.15 ppm
00:26:19:
00:26:19:  Stop requested. Please wait for procedure to finish.
00:26:19:
00:26:21:
00:26:21:  Peakmatching stopped
```

Signature Lcm 10-10-19

```
Reports
00:27:10:  Peak matching procedure started
00:27:11:
00:27:11:  Reference mass: 313.98336
00:27:12:  Sample mass: 376.0
00:27:12:
00:27:13:  Finding reference mass
00:27:13:  Finding sample mass
00:27:14:
00:27:20:  [1]    375.9798 amu, mean: 375.9798
00:27:23:  [2]    375.9797 amu, mean: 375.9797      SD: 0.07 mmu or: 0.18 ppm
00:27:26:  [3]    375.9803 amu, mean: 375.9799      SD: 0.30 mmu or: 0.79 ppm
00:27:29:  [4]    375.9800 amu, mean: 375.9799      SD: 0.24 mmu or: 0.65 ppm
00:27:30:
00:27:30:  Stop requested. Please wait for procedure to finish.
00:27:30:
00:27:33:
00:27:33:  Peakmatching stopped
```

Signature 10-10-19

```
Reports
00:27:10:  Peak matching procedure started
00:27:11:
00:27:11:  Reference mass: 313.98336
00:27:12:  Sample mass: 376.0
00:27:12:
00:27:13:  Finding reference mass
00:27:13:  Finding sample mass
00:27:14:
00:27:20:  [1]    375.9798 amu, mean: 375.9798
00:27:23:  [2]    375.9797 amu, mean: 375.9797     SD: 0.07 mmu or: 0.18 ppm
00:27:26:  [3]    375.9803 amu, mean: 375.9799     SD: 0.30 mmu or: 0.79 ppm
00:27:29:  [4]    375.9800 amu, mean: 375.9799     SD: 0.24 mmu or: 0.65 ppm
00:27:30:
00:27:30:  Stop requested. Please wait for procedure to finish.
00:27:30:
00:27:33:
00:27:33:  Peakmatching stopped
```

Signature LM 10-10-19

Reports

```
00:28:23:  Peak matching procedure started
00:28:24:
00:28:24:  Reference mass: 375.98017
00:28:25:  Sample mass: 414.0
00:28:25:
00:28:26:  Finding reference mass
00:28:27:  Finding sample mass
00:28:27:
00:28:33:  [1]    413.9769 amu, mean: 413.9769
00:28:36:  [2]    413.9771 amu, mean: 413.9770      SD: 0.13 mmu or: 0.32 ppm
00:28:39:  [3]    413.9766 amu, mean: 413.9769      SD: 0.24 mmu or: 0.57 ppm
00:28:42:  [4]    413.9773 amu, mean: 413.9770      SD: 0.28 mmu or: 0.67 ppm
00:28:43:
00:28:43:  Stop requested. Please wait for procedure to finish.
00:28:43:
00:28:46:
00:28:46:  Peakmatching stopped
```

Signature LM 10-10-19

Reports

```
00:29:25:  Peak matching procedure started
00:29:25:
00:29:26:  Reference mass: 413.97698
00:29:26:  Sample mass: 464.0
00:29:27:
00:29:27:  Finding reference mass
00:29:28:  Finding sample mass
00:29:29:
00:29:34:  [1]    463.9737 amu, mean: 463.9737
00:29:37:  [2]    463.9738 amu, mean: 463.9738     SD: 0.09 mmu or: 0.20 ppm
00:29:40:  [3]    463.9742 amu, mean: 463.9739     SD: 0.24 mmu or: 0.53 ppm
00:29:44:  [4]    463.9740 amu, mean: 463.9739     SD: 0.20 mmu or: 0.44 ppm
00:29:44:
00:29:44:  Stop requested. Please wait for procedure to finish.
00:29:44:
00:29:47:
00:29:47:  Peakmatching stopped
```

Signature LKa 10-10-19

```
Reports
00:30:26:  Peak matching procedure started
00:30:26:
00:30:27:  Reference mass: 463.97378
00:30:27:  Sample mass: 502.0
00:30:28:
00:30:28:  Finding reference mass
00:30:29:  Finding sample mass
00:30:29:
00:30:36:  [1]    501.9704 amu, mean: 501.9704
00:30:39:  [2]    501.9704 amu, mean: 501.9704     SD: 0.01 mmu or: 0.02 ppm
00:30:42:  [3]    501.9704 amu, mean: 501.9704     SD: 0.02 mmu or: 0.04 ppm
00:30:45:  [4]    501.9705 amu, mean: 501.9704     SD: 0.07 mmu or: 0.14 ppm
00:30:45:
00:30:45:  Stop requested. Please wait for procedure to finish.
00:30:45:
00:30:48:
00:30:49:  Peakmatching stopped
```

Signature LVL 10-10-19

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 09-Oct-2019 13:16:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 19:18:18 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 19:18:18

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 150.2 | 150.2 | 0.1277 | 0.1277 | | |
| D PCB-1L | 11:46 | 7459219 | 3.00 | 1.3140 | 104.2 | 104.2 | 0.2932 | 0.2932 | 104 | |
| D PCB-3L | 13:56 | 7880737 | 3.08 | 1.3615 | 106.3 | 106.3 | 0.2830 | 0.2830 | 106 | |
| PCB-1 | 11:47 | 4472305 | 3.11 | 1.1883 | 50.5 | 50.5 | 0.1194 | 0.1194 | 101 | |
| PCB-2 | 13:46 | 4622229 | 3.16 | 1.1911 | 50.6 | 50.6 | 0.1280 | 0.1280 | 101 | |
| PCB-3 | 13:57 | 4702783 | 3.12 | 1.2130 | 49.2 | 49.2 | 0.1357 | 0.1357 | 98.39 | |
| S Total Dichlorobiphenyls | | | | | 570.7 | 570.7 | 0.0240 | 0.0240 | | |
| D PCB-4L | 14:11 | 3481840 | 1.65 | 0.5996 | 106.6 | 106.6 | 0.2093 | 0.2093 | 107 | |
| * PCB-9L | 16:10 | 5445270 | 1.64 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-8L | 17:00 | 2694875 | 1.62 | 1.3085 | 44.0 | 44.0 | 0.1175 | 0.1175 | 88.07 | |
| D PCB-15L | 20:04 | 5871497 | 1.63 | 1.0280 | 104.9 | 104.9 | 0.1221 | 0.1221 | 105 | |
| PCB-4 | 14:12 | 2141245 | 1.59 | 1.2533 | 49.1 | 49.1 | 0.0330 | 0.0330 | 98.14 | |
| PCB-10 | 14:23 | 3440919 | 1.59 | 1.4828 | 49.6 | 49.6 | 0.0247 | 0.0247 | 99.24 | |
| PCB-9 | 16:11 | 3225505 | 1.61 | 1.4200 | 48.6 | 48.6 | 0.0258 | 0.0258 | 97.14 | |
| PCB-7 | 16:21 | 3690466 | 1.61 | 1.6244 | 48.6 | 48.6 | 0.0225 | 0.0225 | 97.16 | |
| PCB-6 | 16:35 | 3470581 | 1.61 | 1.5539 | 47.8 | 47.8 | 0.0236 | 0.0236 | 95.52 | |
| PCB-5 | 16:53 | 3470470 | 1.60 | 1.5606 | 47.5 | 47.5 | 0.0235 | 0.0235 | 95.10 | |
| PCB-8 | 17:01 | 3605933 | 1.60 | 1.5884 | 48.5 | 48.5 | 0.0230 | 0.0230 | 97.09 | |
| PCB-14 | 18:38 | 4092708 | 1.60 | 1.8738 | 46.7 | 46.7 | 0.0195 | 0.0195 | 93.41 | |
| PCB-11 | 19:28 | 3421264 | 1.62 | 1.6347 | 44.8 | 44.8 | 0.0224 | 0.0224 | 89.51 | |
| PCB-12 | 19:48 | 7083564 | 1.60 | 1.6410 | 92.3 | 92.3 | 0.0223 | 0.0223 | 92.30 | |
| PCB-13 (C12) | 19:48 | 7083564 | 1.60 | 1.6410 | 92.3 | 92.3 | 0.0223 | 0.0223 | 92.30 | |
| PCB-15 | 20:06 | 3890952 | 1.60 | 1.4024 | 47.3 | 47.3 | 0.0234 | 0.0234 | 94.51 | |
| S Total Trichlorobiphenyl | | | | | 1135.2 | 1135.2 | 0.2352 | 0.2352 | | |
| D PCB-19L | 17:18 | 2386686 | 1.07 | 0.6095 | 106.2 | 106.2 | 0.6288 | 0.6288 | 106 | |
| * PCB-32L | 20:33 | 3688963 | 1.10 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:49 | 9710810 | 1.06 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:06 | 5437727 | 1.06 | 1.0975 | 51.0 | 51.0 | 0.1625 | 0.1625 | 102 | |
| D PCB-37L | 27:07 | 9314796 | 1.08 | 0.9024 | 106.3 | 106.3 | 0.1976 | 0.1976 | 106 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:19 | 1428965 | 1.08 | 1.3047 | 45.9 | 45.9 | 0.0269 | 0.0269 | 91.78 | |
| PCB-18 | 19:09 | 3822284 | 1.09 | 1.8188 | 88.1 | 88.1 | 0.0193 | 0.0193 | 88.05 | |
| PCB-30 (C18) | 19:09 | 3822284 | 1.09 | 1.8188 | 88.1 | 88.1 | 0.0193 | 0.0193 | 88.05 | |
| PCB-17 | 19:36 | 1644384 | 1.07 | 1.5641 | 44.0 | 44.0 | 0.0225 | 0.0225 | 88.10 | |
| PCB-27 | 19:49 | 2228794 | 1.06 | 2.1680 | 43.1 | 43.1 | 0.0162 | 0.0162 | 86.15 | |
| PCB-24 | 19:56 | 2192843 | 1.07 | 2.1018 | 43.7 | 43.7 | 0.0167 | 0.0167 | 87.43 | |
| PCB-16 | 20:03 | 1284118 | 1.08 | 1.2260 | 43.9 | 43.9 | 0.0287 | 0.0287 | 87.77 | |
| PCB-32 | 20:34 | 2421819 | 1.07 | 2.3416 | 43.3 | 43.3 | 0.0150 | 0.0150 | 86.67 | |
| PCB-34 | 21:50 | 5749995 | 1.07 | 1.2154 | 50.8 | 50.8 | 0.3771 | 0.3771 | 102 | |
| PCB-23 | 21:59 | 5916552 | 1.07 | 1.2675 | 50.1 | 50.1 | 0.3616 | 0.3616 | 100 | |
| PCB-26 | 22:18 | 11823296 | 1.08 | 1.3193 | 96.2 | 96.2 | 0.3475 | 0.3475 | 96.21 | |
| PCB-29 (C26) | 22:18 | 11823296 | 1.08 | 1.3193 | 96.2 | 96.2 | 0.3475 | 0.3475 | 96.21 | |
| PCB-25 | 22:32 | 6125401 | 1.07 | 1.3523 | 48.6 | 48.6 | 0.3390 | 0.3390 | 97.26 | |
| PCB-31 | 22:50 | 6291120 | 1.07 | 1.3809 | 48.9 | 48.9 | 0.3319 | 0.3319 | 97.82 | |
| PCB-20 | 23:08 | 11547650 | 1.07 | 1.3057 | 94.9 | 94.9 | 0.3511 | 0.3511 | 94.94 | |
| PCB-28 (C20) | 23:08 | 11547650 | 1.07 | 1.3057 | 94.9 | 94.9 | 0.3511 | 0.3511 | 94.94 | |
| PCB-21 | 23:22 | 12334799 | 1.07 | 1.3777 | 96.1 | 96.1 | 0.3327 | 0.3327 | 96.12 | |
| PCB-33 (C21) | 23:22 | 12334799 | 1.07 | 1.3777 | 96.1 | 96.1 | 0.3327 | 0.3327 | 96.12 | |
| PCB-22 | 23:46 | 5692270 | 1.08 | 1.2430 | 49.2 | 49.2 | 0.3688 | 0.3688 | 98.33 | |
| PCB-36 | 25:20 | 6381141 | 1.06 | 1.3468 | 50.9 | 50.9 | 0.3403 | 0.3403 | 102 | |
| PCB-39 | 25:41 | 6359866 | 1.08 | 1.3970 | 48.9 | 48.9 | 0.3281 | 0.3281 | 97.75 | |
| PCB-38 | 26:15 | 5783279 | 1.08 | 1.3177 | 47.1 | 47.1 | 0.3479 | 0.3479 | 94.24 | |
| PCB-35 | 26:44 | 5812177 | 1.08 | 1.2166 | 51.3 | 51.3 | 0.3768 | 0.3768 | 103 | |
| PCB-37 | 27:08 | 6024109 | 1.10 | 1.2879 | 50.2 | 50.2 | 0.3559 | 0.3559 | 100 | |
| S Total Tetrachlorobiphen | | | | | 1988.4 | 1988.4 | 0.2677 | 0.2677 | | |
| D PCB-54L | 20:22 | 2288553 | 0.82 | 0.6515 | 95.2 | 95.2 | 0.0464 | 0.0464 | 95.23 | |
| * PCB-52L | 24:57 | 5317920 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-79L | 32:52 | 3535181 | 0.82 | 1.1239 | 45.6 | 45.6 | 0.3098 | 0.3098 | 91.19 | |
| D PCB-81L | 33:52 | 6777744 | 0.82 | 1.2328 | 103.4 | 103.4 | 0.3269 | 0.3269 | 103 | |
| D PCB-77L | 34:26 | 7019793 | 0.80 | 1.2523 | 105.4 | 105.4 | 0.3219 | 0.3219 | 105 | |
| PCB-54 | 20:24 | 1466061 | 0.79 | 1.2558 | 51.0 | 51.0 | 0.0284 | 0.0284 | 102 | |
| PCB-50 | 22:35 | 6307293 | 0.79 | 0.9362 | 97.7 | 97.7 | 0.3440 | 0.3440 | 97.66 | |
| PCB-53 (C50) | 22:35 | 6307293 | 0.79 | 0.9362 | 97.7 | 97.7 | 0.3440 | 0.3440 | 97.66 | |
| PCB-45 | 23:18 | 6007193 | 0.79 | 0.8850 | 98.4 | 98.4 | 0.3638 | 0.3638 | 98.39 | Ma |
| PCB-51 (C45) | 23:18 | 6007193 | 0.79 | 0.8850 | 98.4 | 98.4 | 0.3638 | 0.3638 | 98.39 | Ma |
| PCB-46 | 23:33 | 2573957 | 0.79 | 0.7591 | 49.2 | 49.2 | 0.4242 | 0.4242 | 98.30 | |
| PCB-52 | 24:58 | 3046298 | 0.79 | 0.8992 | 49.1 | 49.1 | 0.3581 | 0.3581 | 98.21 | |
| PCB-43 | 25:07 | 6725460 | 0.79 | 0.9993 | 97.6 | 97.6 | 0.3222 | 0.3222 | 97.55 | M |
| PCB-73 (C43) | 25:07 | 6725460 | 0.79 | 0.9993 | 97.6 | 97.6 | 0.3222 | 0.3222 | 97.55 | M |
| PCB-49 | 25:25 | 7536187 | 0.80 | 1.1366 | 96.1 | 96.1 | 0.2833 | 0.2833 | 96.11 | |
| PCB-69 (C49) | 25:25 | 7536187 | 0.80 | 1.1366 | 96.1 | 96.1 | 0.2833 | 0.2833 | 96.11 | |
| PCB-48 | 25:44 | 3068937 | 0.79 | 0.9454 | 47.1 | 47.1 | 0.3406 | 0.3406 | 94.11 | |
| PCB-44 | 25:59 | 9905855 | 0.80 | 1.0323 | 139.1 | 139.1 | 0.3119 | 0.3119 | 92.73 | |
| PCB-47 (C44) | 25:59 | 9905855 | 0.80 | 1.0323 | 139.1 | 139.1 | 0.3119 | 0.3119 | 92.73 | |
| PCB-65 (C44) | 25:59 | 9905855 | 0.80 | 1.0323 | 139.1 | 139.1 | 0.3119 | 0.3119 | 92.73 | |
| PCB-59 | 26:17 | 12932830 | 0.80 | 1.3609 | 137.7 | 137.7 | 0.2366 | 0.2366 | 91.83 | |
| PCB-62 (C59) | 26:17 | 12932830 | 0.80 | 1.3609 | 137.7 | 137.7 | 0.2366 | 0.2366 | 91.83 | |
| PCB-75 (C59) | 26:17 | 12932830 | 0.80 | 1.3609 | 137.7 | 137.7 | 0.2366 | 0.2366 | 91.83 | |
| PCB-42 | 26:29 | 2908515 | 0.79 | 0.8670 | 48.6 | 48.6 | 0.3714 | 0.3714 | 97.25 | |
| PCB-40 | 26:59 | 9034032 | 0.79 | 0.9179 | 142.7 | 142.7 | 0.3508 | 0.3508 | 95.11 | Ma |
| PCB-41 (C40) | 26:59 | 9034032 | 0.79 | 0.9179 | 142.7 | 142.7 | 0.3508 | 0.3508 | 95.11 | Ma |
| PCB-71 (C40) | 26:59 | 9034032 | 0.79 | 0.9179 | 142.7 | 142.7 | 0.3508 | 0.3508 | 95.11 | Ma |
| PCB-64 | 27:12 | 4616208 | 0.80 | 1.4164 | 47.2 | 47.2 | 0.2273 | 0.2273 | 94.49 | |
| PCB-72 | 28:02 | 4361614 | 0.79 | 1.3157 | 48.1 | 48.1 | 0.2447 | 0.2447 | 96.10 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:20 | 4738945 | 0.80 | 1.4782 | 46.5 | 46.5 | 0.2178 | 0.2178 | 92.94 | |
| PCB-57 | 28:44 | 4148087 | 0.79 | 1.2817 | 46.9 | 46.9 | 0.2512 | 0.2512 | 93.83 | |
| PCB-58 | 28:59 | 4279866 | 0.79 | 1.3214 | 47.0 | 47.0 | 0.2437 | 0.2437 | 93.90 | |
| PCB-67 | 29:09 | 4510119 | 0.79 | 1.3944 | 46.9 | 46.9 | 0.2309 | 0.2309 | 93.77 | |
| PCB-63 | 29:25 | 4705520 | 0.79 | 1.4685 | 46.4 | 46.4 | 0.2193 | 0.2193 | 92.90 | |
| PCB-61 | 29:45 | 17157045 | 0.80 | 1.3565 | 183.3 | 183.3 | 0.2374 | 0.2374 | 91.67 | |
| PCB-70 (C61) | 29:45 | 17157045 | 0.80 | 1.3565 | 183.3 | 183.3 | 0.2374 | 0.2374 | 91.67 | |
| PCB-74 (C61) | 29:45 | 17157045 | 0.80 | 1.3565 | 183.3 | 183.3 | 0.2374 | 0.2374 | 91.67 | |
| PCB-76 (C61) | 29:45 | 17157045 | 0.80 | 1.3565 | 183.3 | 183.3 | 0.2374 | 0.2374 | 91.67 | |
| PCB-66 | 30:05 | 4213030 | 0.79 | 1.2800 | 47.7 | 47.7 | 0.2516 | 0.2516 | 95.42 | |
| PCB-55 | 30:14 | 4175619 | 0.80 | 1.2951 | 46.7 | 46.7 | 0.2486 | 0.2486 | 93.47 | |
| PCB-56 | 30:44 | 4042843 | 0.81 | 1.2671 | 46.2 | 46.2 | 0.2541 | 0.2541 | 92.50 | |
| PCB-60 | 30:57 | 4205298 | 0.78 | 1.3288 | 45.9 | 45.9 | 0.2423 | 0.2423 | 91.75 | |
| PCB-80 | 31:22 | 4799508 | 0.81 | 1.4694 | 47.3 | 47.3 | 0.2191 | 0.2191 | 94.69 | |
| PCB-79 | 32:53 | 4899747 | 0.80 | 1.5421 | 46.1 | 46.1 | 0.2088 | 0.2088 | 92.11 | |
| PCB-78 | 33:27 | 4087974 | 0.79 | 1.3150 | 45.1 | 45.1 | 0.2449 | 0.2449 | 90.12 | |
| PCB-81 | 33:53 | 4400184 | 0.83 | 1.3214 | 49.1 | 49.1 | 0.2466 | 0.2466 | 98.26 | |
| PCB-77 | 34:27 | 4466186 | 0.81 | 1.3308 | 47.8 | 47.8 | 0.2391 | 0.2391 | 95.62 | |
| S Total Pentachlorobiphen | | | | | 2128.1 | 2128.1 | 0.2123 | 0.2123 | | |
| D PCB-104L | 25:53 | 5130488 | 1.60 | 1.1164 | 113.3 | 113.3 | 0.009675 | 0.009675 | 113 | |
| $ PCB-95L | 28:51 | 1817330 | 1.61 | 0.7770 | 45.6 | 45.6 | 0.0105 | 0.0105 | 91.18 | |
| * PCB-101L | 31:48 | 4054430 | 1.60 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:29 | 2680964 | 1.60 | 1.2177 | 54.3 | 54.3 | 0.008870 | 0.008870 | 109 | |
| D PCB-123L | 36:27 | 7017087 | 1.58 | 0.9909 | 99.1 | 99.1 | 0.8723 | 0.8723 | 99.09 | |
| D PCB-118L | 36:46 | 7332706 | 1.59 | 1.0256 | 100.1 | 100.1 | 0.8429 | 0.8429 | 100 | |
| D PCB-114L | 37:18 | 7110497 | 1.62 | 1.0030 | 99.2 | 99.2 | 0.8618 | 0.8618 | 99.20 | |
| D PCB-105L | 37:57 | 7111026 | 1.59 | 1.0013 | 99.4 | 99.4 | 0.8633 | 0.8633 | 99.38 | |
| * PCB-127L | 39:26 | 7146163 | 1.58 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 41:02 | 6876404 | 1.56 | 0.9020 | 106.7 | 106.7 | 0.9583 | 0.9583 | 107 | |
| PCB-104 | 25:55 | 3361424 | 1.58 | 1.3926 | 47.0 | 47.0 | 0.0128 | 0.0128 | 94.10 | |
| PCB-96 | 26:17 | 2925710 | 1.58 | 1.2268 | 46.5 | 46.5 | 0.0145 | 0.0145 | 92.97 | |
| PCB-103 | 28:13 | 2464401 | 1.60 | 1.0331 | 46.5 | 46.5 | 0.0172 | 0.0172 | 92.99 | |
| PCB-94 | 28:27 | 2162908 | 1.61 | 0.9036 | 46.7 | 46.7 | 0.0197 | 0.0197 | 93.31 | |
| PCB-95 | 28:53 | 2309927 | 1.59 | 0.9620 | 46.8 | 46.8 | 0.0185 | 0.0185 | 93.60 | |
| PCB-93 | 29:06 | 4639358 | 1.60 | 0.9806 | 92.2 | 92.2 | 0.0182 | 0.0182 | 92.21 | |
| PCB-100 (C93) | 29:06 | 4639358 | 1.60 | 0.9806 | 92.2 | 92.2 | 0.0182 | 0.0182 | 92.21 | |
| PCB-98 | 29:15 | 4714877 | 1.61 | 0.9888 | 92.9 | 92.9 | 0.0180 | 0.0180 | 92.94 | M |
| PCB-102 (C98) | 29:15 | 4714877 | 1.61 | 0.9888 | 92.9 | 92.9 | 0.0180 | 0.0180 | 92.94 | M |
| PCB-88 | 29:45 | 4673649 | 1.61 | 1.0052 | 90.6 | 90.6 | 0.0177 | 0.0177 | 90.62 | Ma |
| PCB-91 (C88) | 29:45 | 4673649 | 1.61 | 1.0052 | 90.6 | 90.6 | 0.0177 | 0.0177 | 90.62 | Ma |
| PCB-84 | 29:58 | 2004049 | 1.59 | 0.8601 | 45.4 | 45.4 | 0.0207 | 0.0207 | 90.83 | |
| PCB-89 | 30:27 | 2157365 | 1.62 | 0.8936 | 47.1 | 47.1 | 0.0199 | 0.0199 | 94.12 | |
| PCB-121 | 30:52 | 3282588 | 1.59 | 1.3971 | 45.8 | 45.8 | 0.0127 | 0.0127 | 91.59 | |
| PCB-92 | 31:14 | 2304157 | 1.56 | 0.9532 | 47.1 | 47.1 | 0.0187 | 0.0187 | 94.23 | |
| PCB-90 | 31:48 | 7918261 | 1.59 | 1.1367 | 135.8 | 135.8 | 0.0157 | 0.0157 | 90.52 | |
| PCB-101 (C90) | 31:48 | 7918261 | 1.59 | 1.1367 | 135.8 | 135.8 | 0.0157 | 0.0157 | 90.52 | |
| PCB-113 (C90) | 31:48 | 7918261 | 1.59 | 1.1367 | 135.8 | 135.8 | 0.0157 | 0.0157 | 90.52 | |
| PCB-83 | 32:24 | 4461403 | 1.59 | 0.9393 | 92.6 | 92.6 | 0.0190 | 0.0190 | 92.58 | |
| PCB-99 (C83) | 32:24 | 4461403 | 1.59 | 0.9393 | 92.6 | 92.6 | 0.0190 | 0.0190 | 92.58 | |
| PCB-112 | 32:31 | 3237680 | 1.62 | 1.3672 | 46.2 | 46.2 | 0.0130 | 0.0130 | 92.32 | |
| PCB-86 | 32:53 | 16114123 | 1.58 | 1.1958 | 262.7 | 262.7 | 0.0149 | 0.0149 | 87.55 | M |
| PCB-87 (C86) | 32:53 | 16114123 | 1.58 | 1.1958 | 262.7 | 262.7 | 0.0149 | 0.0149 | 87.55 | M |
| PCB-97 (C86) | 32:53 | 16114123 | 1.58 | 1.1958 | 262.7 | 262.7 | 0.0149 | 0.0149 | 87.55 | M |
| PCB-109 (C86) | 32:53 | 16114123 | 1.58 | 1.1958 | 262.7 | 262.7 | 0.0149 | 0.0149 | 87.55 | M |
| PCB-119 (C86) | 32:53 | 16114123 | 1.58 | 1.1958 | 262.7 | 262.7 | 0.0149 | 0.0149 | 87.55 | M |
| PCB-125 (C86) | 32:53 | 16114123 | 1.58 | 1.1958 | 262.7 | 262.7 | 0.0149 | 0.0149 | 87.55 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:38 | 8368581 | 1.58 | 1.2126 | 134.5 | 134.5 | 0.0147 | 0.0147 | 89.68 | |
| PCB-116 (C85) | 33:38 | 8368581 | 1.58 | 1.2126 | 134.5 | 134.5 | 0.0147 | 0.0147 | 89.68 | |
| PCB-117 (C85) | 33:38 | 8368581 | 1.58 | 1.2126 | 134.5 | 134.5 | 0.0147 | 0.0147 | 89.68 | |
| PCB-110 | 33:52 | 6273745 | 1.58 | 1.3511 | 90.5 | 90.5 | 0.0132 | 0.0132 | 90.51 | |
| PCB-115 (C110) | 33:52 | 6273745 | 1.58 | 1.3511 | 90.5 | 90.5 | 0.0132 | 0.0132 | 90.51 | |
| PCB-82 | 34:07 | 2069185 | 1.58 | 0.8675 | 46.5 | 46.5 | 0.0205 | 0.0205 | 92.98 | |
| PCB-111 | 34:30 | 3400516 | 1.59 | 1.4262 | 46.5 | 46.5 | 0.0125 | 0.0125 | 92.95 | |
| PCB-120 | 34:58 | 3495281 | 1.62 | 1.4907 | 45.7 | 45.7 | 0.0119 | 0.0119 | 91.40 | |
| PCB-108 | 36:06 | 8359827 | 1.56 | 1.2547 | 94.0 | 94.0 | 0.6443 | 0.6443 | 93.98 | |
| PCB-124 (C108) | 36:06 | 8359827 | 1.56 | 1.2547 | 94.0 | 94.0 | 0.6443 | 0.6443 | 93.98 | |
| PCB-107 | 36:21 | 4608972 | 1.58 | 1.3580 | 47.9 | 47.9 | 0.5953 | 0.5953 | 95.75 | |
| PCB-123 | 36:28 | 4612542 | 1.57 | 1.3407 | 49.0 | 49.0 | 0.6016 | 0.6016 | 98.06 | |
| PCB-106 | 36:35 | 4379923 | 1.60 | 1.2749 | 48.5 | 48.5 | 0.6341 | 0.6341 | 96.92 | |
| PCB-118 | 36:48 | 4668226 | 1.60 | 1.2892 | 49.4 | 49.4 | 0.5939 | 0.5939 | 98.77 | |
| PCB-122 | 37:08 | 3983779 | 1.59 | 1.1614 | 48.4 | 48.4 | 0.6960 | 0.6960 | 96.77 | |
| PCB-114 | 37:19 | 4794272 | 1.59 | 1.4051 | 48.0 | 48.0 | 0.5712 | 0.5712 | 95.97 | |
| PCB-105 | 37:58 | 4480309 | 1.64 | 1.2887 | 48.9 | 48.9 | 0.6326 | 0.6326 | 97.78 | |
| PCB-127 | 39:27 | 4566941 | 1.61 | 1.2841 | 50.2 | 50.2 | 0.6295 | 0.6295 | 100 | |
| PCB-126 | 41:03 | 4467140 | 1.60 | 1.3416 | 48.4 | 48.4 | 0.6388 | 0.6388 | 96.85 | |
| S Total Hexachlorobipheny | | | | | 1946.1 | 1946.1 | 0.1398 | 0.1398 | | |
| D PCB-155L | 31:35 | 4577364 | 1.26 | 0.9499 | 118.9 | 118.9 | 0.007182 | 0.007182 | 119 | |
| $ PCB-153L | 38:39 | 2546532 | 1.26 | 0.9597 | 43.2 | 43.2 | 0.4882 | 0.4882 | 86.38 | |
| * PCB-138L | 39:54 | 4894339 | 1.29 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:54 | 6168700 | 1.32 | 1.2544 | 100.5 | 100.5 | 0.3927 | 0.3927 | 100 | |
| D PCB-156L | 44:03 | 12154463 | 1.27 | 1.2289 | 202.1 | 202.1 | 0.4008 | 0.4008 | 101 | |
| D PCB-157L (C156L) | 44:03 | 12154463 | 1.27 | 1.2289 | 202.1 | 202.1 | 0.4008 | 0.4008 | 101 | |
| D PCB-169L | 47:17 | 6250420 | 1.29 | 1.0883 | 117.3 | 117.3 | 0.4526 | 0.4526 | 117 | |
| PCB-155 | 31:36 | 2720353 | 1.27 | 1.3028 | 45.6 | 45.6 | 0.0137 | 0.0137 | 91.23 | |
| PCB-152 | 31:48 | 2589386 | 1.29 | 1.2556 | 45.1 | 45.1 | 0.0142 | 0.0142 | 90.10 | |
| PCB-150 | 31:58 | 2607485 | 1.27 | 1.2368 | 46.1 | 46.1 | 0.0144 | 0.0144 | 92.11 | |
| PCB-136 | 32:19 | 2429888 | 1.28 | 1.1563 | 45.9 | 45.9 | 0.0154 | 0.0154 | 91.82 | |
| PCB-145 | 32:37 | 2511168 | 1.32 | 1.1910 | 46.1 | 46.1 | 0.0150 | 0.0150 | 92.13 | |
| PCB-148 | 34:08 | 1874730 | 1.25 | 0.8982 | 45.6 | 45.6 | 0.0199 | 0.0199 | 91.20 | |
| PCB-135 | 34:46 | 3602651 | 1.27 | 0.8691 | 90.6 | 90.6 | 0.0205 | 0.0205 | 90.56 | M |
| PCB-151 (C135) | 34:46 | 3602651 | 1.27 | 0.8691 | 90.6 | 90.6 | 0.0205 | 0.0205 | 90.56 | M |
| PCB-154 | 34:59 | 2159417 | 1.27 | 1.0180 | 46.3 | 46.3 | 0.0175 | 0.0175 | 92.68 | |
| PCB-144 | 35:18 | 1933018 | 1.27 | 0.9185 | 46.0 | 46.0 | 0.0194 | 0.0194 | 91.96 | |
| PCB-147 | 35:40 | 5540046 | 1.26 | 0.9747 | 92.5 | 92.5 | 0.2064 | 0.2064 | 92.52 | |
| PCB-149 (C147) | 35:40 | 5540046 | 1.26 | 0.9747 | 92.5 | 92.5 | 0.2064 | 0.2064 | 92.52 | |
| PCB-134 | 35:57 | 4925269 | 1.25 | 0.8518 | 94.1 | 94.1 | 0.2361 | 0.2361 | 94.12 | |
| PCB-143 (C134) | 35:57 | 4925269 | 1.25 | 0.8518 | 94.1 | 94.1 | 0.2361 | 0.2361 | 94.12 | |
| PCB-139 | 36:15 | 5720899 | 1.25 | 0.9995 | 93.2 | 93.2 | 0.2012 | 0.2012 | 93.17 | |
| PCB-140 (C139) | 36:15 | 5720899 | 1.25 | 0.9995 | 93.2 | 93.2 | 0.2012 | 0.2012 | 93.17 | |
| PCB-131 | 36:27 | 2440793 | 1.24 | 0.8584 | 46.3 | 46.3 | 0.2343 | 0.2343 | 92.57 | |
| PCB-142 | 36:36 | 2515762 | 1.26 | 0.8597 | 47.6 | 47.6 | 0.2340 | 0.2340 | 95.27 | |
| PCB-132 | 36:55 | 2548386 | 1.26 | 0.8801 | 47.1 | 47.1 | 0.2285 | 0.2285 | 94.27 | |
| PCB-133 | 37:25 | 2604102 | 1.25 | 0.9064 | 46.8 | 46.8 | 0.2219 | 0.2219 | 93.53 | |
| PCB-165 | 37:49 | 3228615 | 1.27 | 1.1210 | 46.9 | 46.9 | 0.1794 | 0.1794 | 93.76 | |
| PCB-146 | 38:04 | 2941903 | 1.28 | 1.0084 | 47.5 | 47.5 | 0.1995 | 0.1995 | 94.98 | |
| PCB-161 | 38:12 | 3684640 | 1.26 | 1.3370 | 44.9 | 44.9 | 0.1504 | 0.1504 | 89.72 | |
| PCB-153 | 38:43 | 6868693 | 1.27 | 1.2207 | 91.6 | 91.6 | 0.1648 | 0.1648 | 91.59 | |
| PCB-168 (C153) | 38:43 | 6868693 | 1.27 | 1.2207 | 91.6 | 91.6 | 0.1648 | 0.1648 | 91.59 | |
| PCB-141 | 38:52 | 2799803 | 1.30 | 0.9608 | 47.4 | 47.4 | 0.2093 | 0.2093 | 94.87 | |
| PCB-130 | 39:17 | 2357514 | 1.25 | 0.8274 | 46.4 | 46.4 | 0.2431 | 0.2431 | 92.76 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:30 | 2977510 | 1.28 | 1.0582 | 45.8 | 45.8 | 0.1901 | 0.1901 | 91.60 | |
| PCB-164 | 39:37 | 3537507 | 1.27 | 1.2527 | 46.0 | 46.0 | 0.1606 | 0.1606 | 91.93 | |
| PCB-129 | 39:56 | 12130179 | 1.25 | 1.0840 | 182.2 | 182.2 | 0.1856 | 0.1856 | 91.08 | M |
| PCB-138 (C129) | 39:56 | 12130179 | 1.25 | 1.0840 | 182.2 | 182.2 | 0.1856 | 0.1856 | 91.08 | M |
| PCB-160 (C129) | 39:56 | 12130179 | 1.25 | 1.0840 | 182.2 | 182.2 | 0.1856 | 0.1856 | 91.08 | M |
| PCB-163 (C129) | 39:56 | 12130179 | 1.25 | 1.0840 | 182.2 | 182.2 | 0.1856 | 0.1856 | 91.08 | M |
| PCB-158 | 40:19 | 3922623 | 1.28 | 1.3862 | 46.1 | 46.1 | 0.1451 | 0.1451 | 92.12 | |
| PCB-128 | 41:10 | 6204396 | 1.25 | 1.1165 | 90.5 | 90.5 | 0.1802 | 0.1802 | 90.46 | |
| PCB-166 (C128) | 41:10 | 6204396 | 1.25 | 1.1165 | 90.5 | 90.5 | 0.1802 | 0.1802 | 90.46 | |
| PCB-159 | 42:10 | 3740130 | 1.26 | 1.3178 | 46.2 | 46.2 | 0.1526 | 0.1526 | 92.40 | |
| PCB-162 | 42:27 | 3926252 | 1.26 | 1.3623 | 46.9 | 46.9 | 0.1477 | 0.1477 | 93.83 | |
| PCB-167 | 42:56 | 3996739 | 1.25 | 1.3357 | 48.5 | 48.5 | 0.1242 | 0.1242 | 97.02 | |
| PCB-156 | 44:04 | 7515431 | 1.27 | 1.2759 | 96.9 | 96.9 | 0.1932 | 0.1932 | 96.92 | |
| PCB-157 (C156) | 44:04 | 7515431 | 1.27 | 1.2759 | 96.9 | 96.9 | 0.1932 | 0.1932 | 96.92 | |
| PCB-169 | 47:19 | 3821190 | 1.26 | 1.2825 | 47.7 | 47.7 | 0.1357 | 0.1357 | 95.34 | |
| S Total Heptachlorobiphen | | | | | 1155.0 | 1155.0 | 0.0123 | 0.0123 | | |
| D PCB-188L | 37:18 | 5566555 | 1.07 | 1.3162 | 102.9 | 102.9 | 0.008459 | 0.008459 | 103 | |
| $ PCB-178L | 40:21 | 2033783 | 1.08 | 0.9222 | 53.7 | 53.7 | 0.0121 | 0.0121 | 107 | |
| * PCB-180L | 45:27 | 4109092 | 1.04 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:43 | 3316323 | 1.06 | 0.8357 | 96.6 | 96.6 | 0.0133 | 0.0133 | 96.57 | |
| D PCB-189L | 49:50 | 7902235 | 1.07 | 1.4666 | 113.8 | 113.8 | 0.5916 | 0.5916 | 114 | |
| PCB-188 | 37:20 | 3221416 | 1.05 | 1.2502 | 46.3 | 46.3 | 0.005970 | 0.005970 | 92.58 | |
| PCB-179 | 37:40 | 2959051 | 1.06 | 1.4149 | 47.1 | 47.1 | 0.006693 | 0.006693 | 94.18 | |
| PCB-184 | 38:12 | 2959202 | 1.05 | 1.4191 | 47.0 | 47.0 | 0.006673 | 0.006673 | 93.90 | |
| PCB-176 | 38:33 | 3245640 | 1.06 | 1.5212 | 48.0 | 48.0 | 0.006226 | 0.006226 | 96.08 | |
| PCB-186 | 39:00 | 3091060 | 1.04 | 1.4350 | 48.5 | 48.5 | 0.006599 | 0.006599 | 97.00 | |
| PCB-178 | 40:23 | 2177785 | 1.06 | 1.0228 | 47.9 | 47.9 | 0.009259 | 0.009259 | 95.88 | |
| PCB-175 | 41:01 | 2242861 | 1.05 | 1.0690 | 47.2 | 47.2 | 0.008859 | 0.008859 | 94.48 | |
| PCB-187 | 41:17 | 2336403 | 1.06 | 1.1106 | 47.4 | 47.4 | 0.008527 | 0.008527 | 94.73 | |
| PCB-182 | 41:30 | 2449425 | 1.06 | 1.1484 | 48.0 | 48.0 | 0.008247 | 0.008247 | 96.05 | |
| PCB-183 | 41:54 | 4800496 | 1.05 | 1.1368 | 95.1 | 95.1 | 0.008330 | 0.008330 | 95.07 | M |
| PCB-185 (C183) | 41:54 | 4800496 | 1.05 | 1.1368 | 95.1 | 95.1 | 0.008330 | 0.008330 | 95.07 | M |
| PCB-174 | 42:08 | 2029267 | 1.06 | 0.9547 | 47.9 | 47.9 | 0.0099 | 0.0099 | 95.72 | |
| PCB-177 | 42:35 | 2008095 | 1.03 | 0.9426 | 48.0 | 48.0 | 0.0100 | 0.0100 | 95.94 | |
| PCB-181 | 42:58 | 2327559 | 1.06 | 1.1075 | 47.3 | 47.3 | 0.008551 | 0.008551 | 94.64 | |
| PCB-171 | 43:12 | 4050488 | 1.05 | 0.9603 | 95.0 | 95.0 | 0.009861 | 0.009861 | 94.96 | |
| PCB-173 (C171) | 43:12 | 4050488 | 1.05 | 0.9603 | 95.0 | 95.0 | 0.009861 | 0.009861 | 94.96 | |
| PCB-172 | 44:50 | 2150806 | 1.06 | 0.9918 | 48.8 | 48.8 | 0.009548 | 0.009548 | 97.65 | |
| PCB-192 | 45:06 | 2825825 | 1.04 | 1.2904 | 49.3 | 49.3 | 0.007339 | 0.007339 | 98.61 | |
| PCB-180 | 45:26 | 5272699 | 1.05 | 1.2286 | 96.6 | 96.6 | 0.007708 | 0.007708 | 96.63 | |
| PCB-193 (C180) | 45:26 | 5272699 | 1.05 | 1.2286 | 96.6 | 96.6 | 0.007708 | 0.007708 | 96.63 | |
| PCB-191 | 45:50 | 3000360 | 1.05 | 1.3848 | 48.8 | 48.8 | 0.006838 | 0.006838 | 97.56 | |
| PCB-170 | 46:44 | 2176091 | 1.05 | 1.2700 | 51.7 | 51.7 | 0.0102 | 0.0102 | 103 | |
| PCB-190 | 47:16 | 2992659 | 1.06 | 1.3774 | 48.9 | 48.9 | 0.006875 | 0.006875 | 97.84 | |
| PCB-189 | 49:51 | 5085728 | 1.06 | 1.2799 | 50.3 | 50.3 | 0.0956 | 0.0956 | 101 | |
| S Total Octachlorobipheny | | | | | 579.0 | 579.0 | 0.0967 | 0.0967 | | |
| D PCB-202L | 42:41 | 4266203 | 0.90 | 1.0055 | 103.3 | 103.3 | 0.0141 | 0.0141 | 103 | |
| * PCB-194L | 51:57 | 4734702 | 0.92 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:25 | 5744847 | 0.91 | 1.2867 | 94.3 | 94.3 | 0.5424 | 0.5424 | 94.30 | |
| PCB-202 | 42:43 | 2127970 | 0.91 | 1.0531 | 47.4 | 47.4 | 0.0228 | 0.0228 | 94.73 | |
| PCB-201 | 43:38 | 2347173 | 0.91 | 1.1860 | 46.4 | 46.4 | 0.0202 | 0.0202 | 92.78 | |
| PCB-204 | 44:18 | 2235666 | 0.91 | 1.1009 | 47.6 | 47.6 | 0.0218 | 0.0218 | 95.21 | |
| PCB-197 | 44:32 | 2374303 | 0.89 | 1.2053 | 46.2 | 46.2 | 0.0199 | 0.0199 | 92.35 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:38 | 2325792 | 0.89 | 1.1260 | 48.4 | 48.4 | 0.0213 | 0.0213 | 96.83 | |
| PCB-198 | 47:26 | 3293115 | 0.90 | 0.8183 | 94.3 | 94.3 | 0.0293 | 0.0293 | 94.33 | |
| PCB-199 (C198) | 47:26 | 3293115 | 0.90 | 0.8183 | 94.3 | 94.3 | 0.0293 | 0.0293 | 94.33 | |
| PCB-196 | 48:06 | 1747466 | 0.91 | 0.8748 | 46.8 | 46.8 | 0.0274 | 0.0274 | 93.65 | |
| PCB-203 | 48:18 | 1841946 | 0.90 | 0.9219 | 46.8 | 46.8 | 0.0260 | 0.0260 | 93.67 | |
| PCB-195 | 49:37 | 2530161 | 0.91 | 0.7839 | 56.2 | 56.2 | 0.3527 | 0.3527 | 112 | |
| PCB-194 | 51:58 | 2678707 | 0.91 | 0.9282 | 50.2 | 50.2 | 0.2979 | 0.2979 | 100 | |
| PCB-205 | 52:26 | 3446141 | 0.91 | 1.2342 | 48.6 | 48.6 | 0.2240 | 0.2240 | 97.21 | |
| S Total Nonachlorobipheny | | | | | 142.4 | 142.4 | 0.1568 | 0.1568 | | |
| D PCB-208L | 49:22 | 5434538 | 0.77 | 1.1383 | 100.8 | 100.8 | 0.5844 | 0.5844 | 101 | |
| D PCB-206L | 54:10 | 3613298 | 0.82 | 0.8938 | 85.4 | 85.4 | 0.7443 | 0.7443 | 85.38 | |
| PCB-208 | 49:23 | 3011047 | 0.80 | 1.1567 | 47.9 | 47.9 | 0.1338 | 0.1338 | 95.80 | |
| PCB-207 | 50:20 | 2930835 | 0.79 | 1.3964 | 46.4 | 46.4 | 0.1349 | 0.1349 | 92.79 | |
| PCB-206 | 54:12 | 2073374 | 0.80 | 1.1927 | 48.1 | 48.1 | 0.2017 | 0.2017 | 96.22 | |
| D PCB-209L | 55:50 | 4214206 | 0.72 | 0.9809 | 90.7 | 90.7 | 0.0540 | 0.0540 | 90.74 | |
| DCB Decachlorobiphenyl | 55:51 | 2464905 | 0.70 | 1.2455 | 47.0 | 47.0 | 0.0159 | 0.0159 | 93.92 | |
| S Polychlorinated bipheny | | | | | 9691.9 | 9691.9 | 0.1290 | 0.1290 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00007 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 09-Oct-2019 13:16:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 19:18:18 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 19:18:18

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:46 | 11:46 | 0 | 0.728 | 5595140 | 2262032 | 1469 | 3672 | 1540 | | |
| 202.0766 | 11:46 | 11:46 | 0 | 0.728 | 1864079 | 759660 | 981 | 2452 | 774 | 3.00(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:56 | 13:56 | 0 | 0.862 | 5947581 | 1974302 | 1469 | 3672 | 1344 | | |
| 202.0766 | 13:56 | 13:56 | 0 | 0.862 | 1933156 | 629886 | 981 | 2452 | 642 | 3.08(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:47 | 11:47 | 0 | 1.001 | 3383983 | 1372672 | 1160 | 2900 | 1183 | | |
| 190.0363 | 11:47 | 11:47 | 0 | 1.001 | 1088322 | 443276 | 555 | 1387 | 799 | 3.11(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:46 | 13:46 | 0 | 0.988 | 3512307 | 1197282 | 1160 | 2900 | 1032 | | |
| 190.0363 | 13:46 | 13:46 | 0 | 0.988 | 1109922 | 384060 | 555 | 1387 | 692 | 3.16(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:57 | 0 | 1.001 | 3561265 | 1154981 | 1160 | 2900 | 996 | | |
| 190.0363 | 13:57 | 13:57 | 0 | 1.001 | 1141518 | 365165 | 555 | 1387 | 658 | 3.12(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:11 | 14:10 | 0 | 0.878 | 2166420 | 710773 | 582 | 1455 | 1221 | | |
| 236.0376 | 14:11 | 14:10 | 0 | 0.878 | 1315420 | 438523 | 216 | 540 | 2030 | 1.65(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:10 | 16:10 | 0 | | 3384430 | 984411 | 582 | 1455 | 1691 | | |
| 236.0376 | 16:10 | 16:10 | 0 | | 2060840 | 605412 | 216 | 540 | 2803 | 1.64(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:00 | 17:00 | 0 | 1.198 | 1666700 | 481804 | 582 | 1455 | 828 | | |
| 236.0376 | 17:00 | 17:00 | 0 | 1.198 | 1028175 | 301360 | 216 | 540 | 1395 | 1.62(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:03 | 0 | 1.242 | 3636122 | 891100 | 582 | 1455 | 1531 | | |
| 236.0376 | 20:04 | 20:03 | 0 | 1.242 | 2235375 | 555004 | 216 | 540 | 2569 | 1.63(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:12 | 14:12 | 0 | 1.001 | 1314645 | 429586 | 93 | 232 | 4619 | | |
| 223.9974 | 14:12 | 14:12 | 0 | 1.001 | 826600 | 274653 | 97 | 242 | 2831 | 1.59(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:23 | 14:23 | 0 | 1.014 | 2113130 | 664495 | 93 | 232 | 7145 | | |
| 223.9974 | 14:22 | 14:23 | -1 | 1.013 | 1327789 | 421973 | 97 | 242 | 4350 | 1.59(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:11 | 16:11 | 0 | 1.140 | 1988459 | 603714 | 93 | 232 | 6492 | | |
| 223.9974 | 16:11 | 16:11 | 0 | 1.140 | 1237046 | 378321 | 97 | 242 | 3900 | 1.61(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:21 | 16:21 | 0 | 1.152 | 2276840 | 669096 | 93 | 232 | 7195 | | |
| 223.9974 | 16:21 | 16:21 | 0 | 1.152 | 1413626 | 405641 | 97 | 242 | 4182 | 1.61(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:35 | 16:35 | 0 | 1.169 | 2142980 | 627829 | 93 | 232 | 6751 | | |
| 223.9974 | 16:35 | 16:35 | 0 | 1.169 | 1327601 | 389115 | 97 | 242 | 4011 | 1.61(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:53 | 16:53 | 0 | 1.190 | 2136210 | 605484 | 93 | 232 | 6511 | | |
| 223.9974 | 16:53 | 16:53 | 0 | 1.190 | 1334260 | 382853 | 97 | 242 | 3947 | 1.60(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:01 | 17:01 | 0 | 1.199 | 2221521 | 631672 | 93 | 232 | 6792 | | |
| 223.9974 | 17:01 | 17:01 | 0 | 1.199 | 1384412 | 395889 | 97 | 242 | 4081 | 1.60(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | 18:38 | 0 | 0.928 | 2520299 | 669934 | 93 | 232 | 7204 | | |
| 223.9974 | 18:38 | 18:38 | 0 | 0.928 | 1572409 | 423047 | 97 | 242 | 4361 | 1.60(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:28 | 19:28 | 0 | 0.970 | 2115835 | 542204 | 93 | 232 | 5830 | | |
| 223.9974 | 19:28 | 19:28 | 0 | 0.970 | 1305429 | 342215 | 97 | 242 | 3528 | 1.62(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:48 | 19:48 | 0 | 0.986 | 4361493 | 680644 | 93 | 232 | 7319 | | |
| 223.9974 | 19:48 | 19:48 | 0 | 0.986 | 2722071 | 424672 | 97 | 242 | 4378 | 1.60(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:48 | 19:48 | 0 | 0.986 | 4361493 | 680644 | 93 | 232 | 7319 | | |
| 223.9974 | 19:48 | 19:48 | 0 | 0.986 | 2722071 | 424672 | 97 | 242 | 4378 | 1.60(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:06 | 20:06 | 0 | 1.001 | 2396489 | 553955 | 93 | 232 | 5957 | | |
| 223.9974 | 20:05 | 20:06 | -1 | 1.001 | 1494463 | 340481 | 97 | 242 | 3510 | 1.60(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:18 | 17:18 | 0 | 0.842 | 1235646 | 345869 | 1105 | 2762 | 313 | | |
| 269.9986 | 17:18 | 17:18 | 0 | 0.842 | 1151040 | 314426 | 340 | 850 | 925 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:33 | 20:33 | 0 | | 1932412 | 489814 | 1105 | 2762 | 443 | | |
| 269.9986 | 20:33 | 20:33 | 0 | | 1756551 | 452743 | 340 | 850 | 1332 | 1.10(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:49 | 22:49 | 0 | | 5001837 | 1202259 | 936 | 2340 | 1284 | | |
| 269.9986 | 22:49 | 22:49 | 0 | | 4708973 | 1139093 | 734 | 1835 | 1552 | 1.06(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:06 | 23:06 | 0 | 1.013 | 2792235 | 671611 | 936 | 2340 | 718 | | |
| 269.9986 | 23:06 | 23:06 | 0 | 1.013 | 2645492 | 613875 | 734 | 1835 | 836 | 1.06(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:07 | 27:07 | 0 | 1.189 | 4833533 | 1042511 | 936 | 2340 | 1114 | | |
| 269.9986 | 27:07 | 27:07 | 0 | 1.189 | 4481263 | 985690 | 734 | 1835 | 1343 | 1.08(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:19 | 17:19 | 0 | 1.001 | 743020 | 214301 | 53 | 132 | 4043 | | |
| 257.9584 | 17:19 | 17:19 | 0 | 1.001 | 685945 | 196599 | 40 | 100 | 4915 | 1.08(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.107 | 1992805 | 431142 | 53 | 132 | 8135 | | |
| 257.9584 | 19:09 | 19:09 | 0 | 1.107 | 1829479 | 392867 | 40 | 100 | 9822 | 1.09(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.107 | 1992805 | 431142 | 53 | 132 | 8135 | | |
| 257.9584 | 19:09 | 19:09 | 0 | 1.107 | 1829479 | 392867 | 40 | 100 | 9822 | 1.09(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | 19:36 | 0 | 1.133 | 848556 | 224690 | 53 | 132 | 4239 | | |
| 257.9584 | 19:36 | 19:36 | 0 | 1.133 | 795828 | 208905 | 40 | 100 | 5223 | 1.07(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:49 | 19:49 | 0 | 1.145 | 1145844 | 303373 | 53 | 132 | 5724 | | |
| 257.9584 | 19:49 | 19:49 | 0 | 1.145 | 1082950 | 286479 | 40 | 100 | 7162 | 1.06(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:56 | 19:56 | 0 | 1.153 | 1131124 | 296630 | 53 | 132 | 5597 | | |
| 257.9584 | 19:56 | 19:56 | 0 | 1.153 | 1061719 | 276487 | 40 | 100 | 6912 | 1.07(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:03 | 20:03 | 0 | 1.159 | 667357 | 172360 | 53 | 132 | 3252 | | |
| 257.9584 | 20:03 | 20:03 | 0 | 1.159 | 616761 | 161353 | 40 | 100 | 4034 | 1.08(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | 20:34 | 0 | 1.189 | 1251829 | 318628 | 53 | 132 | 6012 | | |
| 257.9584 | 20:34 | 20:34 | 0 | 1.189 | 1169990 | 299301 | 40 | 100 | 7483 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:50 | 21:50 | 0 | 1.262 | 2976957 | 747062 | 1154 | 2885 | 647 | | |
| 257.9584 | 21:50 | 21:50 | 0 | 1.262 | 2773038 | 703048 | 2565 | 6412 | 274 | 1.07(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:59 | 21:59 | 0 | 1.271 | 3062837 | 752139 | 1154 | 2885 | 652 | | |
| 257.9584 | 21:59 | 21:59 | 0 | 1.271 | 2853715 | 708409 | 2565 | 6412 | 276 | 1.07(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:18 | 0 | 1.289 | 6128653 | 1168235 | 1154 | 2885 | 1012 | | |
| 257.9584 | 22:18 | 22:18 | 0 | 1.289 | 5694643 | 1084400 | 2565 | 6412 | 423 | 1.08(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:18 | 0 | 1.289 | 6128653 | 1168235 | 1154 | 2885 | 1012 | | |
| 257.9584 | 22:18 | 22:18 | 0 | 1.289 | 5694643 | 1084400 | 2565 | 6412 | 423 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:32 | 22:32 | 0 | 0.831 | 3166813 | 703884 | 1154 | 2885 | 610 | | |
| 257.9584 | 22:31 | 22:32 | -1 | 0.831 | 2958588 | 659745 | 2565 | 6412 | 257 | 1.07(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:50 | 22:50 | 0 | 0.842 | 3245033 | 768943 | 1154 | 2885 | 666 | | |
| 257.9584 | 22:50 | 22:50 | 0 | 0.842 | 3046087 | 731752 | 2565 | 6412 | 285 | 1.07(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:08 | 0 | 0.854 | 5959037 | 1196472 | 1154 | 2885 | 1037 | | |
| 257.9584 | 23:08 | 23:08 | 0 | 0.854 | 5588613 | 1122475 | 2565 | 6412 | 438 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:08 | 0 | 0.854 | 5959037 | 1196472 | 1154 | 2885 | 1037 | | |
| 257.9584 | 23:08 | 23:08 | 0 | 0.854 | 5588613 | 1122475 | 2565 | 6412 | 438 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:22 | 23:22 | 0 | 0.862 | 6387385 | 807875 | 1154 | 2885 | 700 | | |
| 257.9584 | 23:22 | 23:22 | 0 | 0.862 | 5947414 | 758629 | 2565 | 6412 | 296 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:22 | 23:22 | 0 | 0.862 | 6387385 | 807875 | 1154 | 2885 | 700 | | |
| 257.9584 | 23:22 | 23:22 | 0 | 0.862 | 5947414 | 758629 | 2565 | 6412 | 296 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:46 | 23:46 | 0 | 0.877 | 2952141 | 684211 | 1154 | 2885 | 593 | | |
| 257.9584 | 23:46 | 23:46 | 0 | 0.877 | 2740129 | 639528 | 2565 | 6412 | 249 | 1.08(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:20 | 25:20 | 0 | 0.934 | 3285197 | 705035 | 1154 | 2885 | 611 | | |
| 257.9584 | 25:19 | 25:20 | -1 | 0.934 | 3095944 | 650794 | 2565 | 6412 | 254 | 1.06(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:41 | 25:41 | 0 | 0.947 | 3295110 | 726074 | 1154 | 2885 | 629 | | |
| 257.9584 | 25:41 | 25:41 | 0 | 0.947 | 3064756 | 675119 | 2565 | 6412 | 263 | 1.08(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:15 | 26:15 | 0 | 0.969 | 3002952 | 659061 | 1154 | 2885 | 571 | | |
| 257.9584 | 26:15 | 26:15 | 0 | 0.969 | 2780327 | 615806 | 2565 | 6412 | 240 | 1.08(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:44 | 26:44 | 0 | 0.986 | 3023675 | 641140 | 1154 | 2885 | 556 | | |
| 257.9584 | 26:44 | 26:44 | 0 | 0.986 | 2788502 | 592692 | 2565 | 6412 | 231 | 1.08(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:08 | 27:08 | 0 | 1.001 | 3152440 | 645997 | 1154 | 2885 | 560 | | |
| 257.9584 | 27:08 | 27:08 | 0 | 1.001 | 2871669 | 602236 | 2565 | 6412 | 235 | 1.10(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:23 | 0 | 0.817 | 1028143 | 254445 | 106 | 265 | 2400 | | |
| 303.9597 | 20:22 | 20:23 | 0 | 0.817 | 1260410 | 326422 | 8 | 20 | 40803 | 0.82(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:57 | 24:57 | 0 | | 2354537 | 539059 | 789 | 1972 | 683 | | |
| 303.9597 | 24:56 | 24:57 | -1 | | 2963383 | 685815 | 1186 | 2965 | 578 | 0.79(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:52 | 32:52 | 0 | 0.970 | 1595295 | 331185 | 789 | 1972 | 420 | | |
| 303.9597 | 32:53 | 32:52 | 1 | 0.971 | 1939886 | 394824 | 1186 | 2965 | 333 | 0.82(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:52 | 33:53 | 0 | 1.358 | 3049771 | 637430 | 789 | 1972 | 808 | | |
| 303.9597 | 33:52 | 33:53 | 0 | 1.358 | 3727973 | 763338 | 1186 | 2965 | 644 | 0.82(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:26 | 34:26 | 0 | 1.380 | 3125713 | 643890 | 789 | 1972 | 816 | | |
| 303.9597 | 34:26 | 34:26 | 0 | 1.380 | 3894080 | 790664 | 1186 | 2965 | 667 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:24 | 0 | 1.000 | 647495 | 168748 | 41 | 102 | 4116 | | |
| 291.9194 | 20:24 | 20:24 | 0 | 1.000 | 818566 | 210988 | 42 | 105 | 5024 | 0.79(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:35 | 22:35 | 0 | 1.108 | 2780661 | 530832 | 813 | 2032 | 653 | | |
| 291.9194 | 22:35 | 22:35 | 0 | 1.108 | 3526632 | 672808 | 1013 | 2532 | 664 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:35 | 22:35 | 0 | 1.108 | 2780661 | 530832 | 813 | 2032 | 653 | | |
| 291.9194 | 22:35 | 22:35 | 0 | 1.108 | 3526632 | 672808 | 1013 | 2532 | 664 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:18 | 23:18 | 0 | 1.144 | 2651658 | 347087 | 813 | 2032 | 427 | | M |
| 291.9194 | 23:18 | 23:18 | 0 | 1.144 | 3355535 | 440001 | 1013 | 2532 | 434 | 0.79(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:18 | 23:18 | 0 | 1.144 | 2651658 | 347087 | 813 | 2032 | 427 | | M |
| 291.9194 | 23:18 | 23:18 | 0 | 1.144 | 3355535 | 440001 | 1013 | 2532 | 434 | 0.79(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:33 | 23:33 | 0 | 1.156 | 1134278 | 273622 | 813 | 2032 | 337 | | |
| 291.9194 | 23:33 | 23:33 | 0 | 1.156 | 1439679 | 345150 | 1013 | 2532 | 341 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:58 | 24:58 | 0 | 1.225 | 1342372 | 316673 | 813 | 2032 | 390 | | |
| 291.9194 | 24:58 | 24:58 | 0 | 1.225 | 1703926 | 402632 | 1013 | 2532 | 397 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:07 | 25:07 | 0 | 1.233 | 2960116 | 427644 | 813 | 2032 | 526 | | M |
| 291.9194 | 25:07 | 25:07 | 0 | 1.233 | 3765344 | 538791 | 1013 | 2532 | 532 | 0.79(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:07 | 25:07 | 0 | 1.233 | 2960116 | 427644 | 813 | 2032 | 526 | | M |
| 291.9194 | 25:07 | 25:07 | 0 | 1.233 | 3765344 | 538791 | 1013 | 2532 | 532 | 0.79(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:25 | 0 | 1.248 | 3353038 | 516780 | 813 | 2032 | 636 | | |
| 291.9194 | 25:25 | 25:25 | 0 | 1.248 | 4183149 | 647490 | 1013 | 2532 | 639 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:25 | 0 | 1.248 | 3353038 | 516780 | 813 | 2032 | 636 | | |
| 291.9194 | 25:25 | 25:25 | 0 | 1.248 | 4183149 | 647490 | 1013 | 2532 | 639 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:44 | 25:44 | 0 | 1.263 | 1357219 | 320191 | 813 | 2032 | 394 | | |
| 291.9194 | 25:44 | 25:44 | 0 | 1.263 | 1711718 | 397864 | 1013 | 2532 | 393 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:59 | 0 | 1.276 | 4412109 | 774836 | 813 | 2032 | 953 | | |
| 291.9194 | 25:59 | 25:59 | 0 | 1.276 | 5493746 | 959006 | 1013 | 2532 | 947 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:59 | 0 | 1.276 | 4412109 | 774836 | 813 | 2032 | 953 | | |
| 291.9194 | 25:59 | 25:59 | 0 | 1.276 | 5493746 | 959006 | 1013 | 2532 | 947 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:59 | 0 | 1.276 | 4412109 | 774836 | 813 | 2032 | 953 | | |
| 291.9194 | 25:59 | 25:59 | 0 | 1.276 | 5493746 | 959006 | 1013 | 2532 | 947 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:17 | 0 | 1.290 | 5730216 | 870951 | 813 | 2032 | 1071 | | |
| 291.9194 | 26:17 | 26:17 | 0 | 1.290 | 7202614 | 1084193 | 1013 | 2532 | 1070 | 0.80(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:17 | 0 | 1.290 | 5730216 | 870951 | 813 | 2032 | 1071 | | |
| 291.9194 | 26:17 | 26:17 | 0 | 1.290 | 7202614 | 1084193 | 1013 | 2532 | 1070 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:17 | 26:17 | 0 | 1.290 | 5730216 | 870951 | 813 | 2032 | 1071 | | |
| 291.9194 | 26:17 | 26:17 | 0 | 1.290 | 7202614 | 1084193 | 1013 | 2532 | 1070 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:29 | 26:29 | 0 | 1.300 | 1288137 | 284190 | 813 | 2032 | 350 | | |
| 291.9194 | 26:29 | 26:29 | 0 | 1.300 | 1620378 | 370180 | 1013 | 2532 | 365 | 0.79(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 3991515 | 607058 | 813 | 2032 | 747 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 5042517 | 780116 | 1013 | 2532 | 770 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 3991515 | 607058 | 813 | 2032 | 747 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 5042517 | 780116 | 1013 | 2532 | 770 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 3991515 | 607058 | 813 | 2032 | 747 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 5042517 | 780116 | 1013 | 2532 | 770 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:12 | 27:12 | 0 | 1.335 | 2044633 | 464089 | 813 | 2032 | 571 | | |
| 291.9194 | 27:12 | 27:12 | 0 | 1.335 | 2571575 | 580729 | 1013 | 2532 | 573 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:02 | 28:02 | 0 | 0.828 | 1925074 | 436929 | 813 | 2032 | 537 | | |
| 291.9194 | 28:02 | 28:02 | 0 | 0.828 | 2436540 | 546373 | 1013 | 2532 | 539 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:20 | 28:20 | 0 | 0.836 | 2103683 | 444035 | 813 | 2032 | 546 | | |
| 291.9194 | 28:19 | 28:20 | -1 | 0.836 | 2635262 | 549073 | 1013 | 2532 | 542 | 0.80(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:44 | 28:44 | 0 | 0.848 | 1825916 | 405275 | 813 | 2032 | 498 | | |
| 291.9194 | 28:44 | 28:44 | 0 | 0.848 | 2322171 | 518183 | 1013 | 2532 | 512 | 0.79(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:59 | 28:59 | 0 | 0.856 | 1886985 | 411897 | 813 | 2032 | 507 | | |
| 291.9194 | 28:59 | 28:59 | 0 | 0.856 | 2392881 | 521183 | 1013 | 2532 | 514 | 0.79(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:09 | 29:09 | 0 | 0.860 | 1992647 | 410061 | 813 | 2032 | 504 | | |
| 291.9194 | 29:09 | 29:09 | 0 | 0.860 | 2517472 | 516235 | 1013 | 2532 | 510 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:25 | 29:25 | 0 | 0.868 | 2078633 | 444528 | 813 | 2032 | 547 | | |
| 291.9194 | 29:25 | 29:25 | 0 | 0.868 | 2626887 | 566748 | 1013 | 2532 | 559 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7607275 | 833304 | 813 | 2032 | 1025 | | |
| 291.9194 | 29:45 | 29:45 | -1 | 0.878 | 9549770 | 1044816 | 1013 | 2532 | 1031 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7607275 | 833304 | 813 | 2032 | 1025 | | |
| 291.9194 | 29:45 | 29:45 | -1 | 0.878 | 9549770 | 1044816 | 1013 | 2532 | 1031 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7607275 | 833304 | 813 | 2032 | 1025 | | |
| 291.9194 | 29:45 | 29:45 | -1 | 0.878 | 9549770 | 1044816 | 1013 | 2532 | 1031 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7607275 | 833304 | 813 | 2032 | 1025 | | |
| 291.9194 | 29:45 | 29:45 | -1 | 0.878 | 9549770 | 1044816 | 1013 | 2532 | 1031 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:05 | 30:05 | 0 | 0.888 | 1864576 | 392960 | 813 | 2032 | 483 | | |
| 291.9194 | 30:05 | 30:05 | 0 | 0.888 | 2348454 | 489988 | 1013 | 2532 | 484 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:14 | 30:14 | 0 | 0.893 | 1855520 | 394332 | 813 | 2032 | 485 | | |
| 291.9194 | 30:14 | 30:14 | 0 | 0.893 | 2320099 | 492760 | 1013 | 2532 | 486 | 0.80(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:44 | 30:44 | 0 | 0.907 | 1808834 | 387563 | 813 | 2032 | 477 | | |
| 291.9194 | 30:44 | 30:44 | 0 | 0.907 | 2234009 | 481383 | 1013 | 2532 | 475 | 0.81(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:57 | 30:57 | 0 | 0.914 | 1848223 | 398999 | 813 | 2032 | 491 | | |
| 291.9194 | 30:57 | 30:57 | 0 | 0.914 | 2357075 | 504633 | 1013 | 2532 | 498 | 0.78(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:22 | 31:22 | 0 | 0.926 | 2145756 | 465738 | 813 | 2032 | 573 | | |
| 291.9194 | 31:22 | 31:22 | 0 | 0.926 | 2653752 | 579691 | 1013 | 2532 | 572 | 0.81(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:53 | 32:53 | 0 | 0.971 | 2184235 | 444121 | 813 | 2032 | 546 | | |
| 291.9194 | 32:53 | 32:53 | 0 | 0.971 | 2715512 | 552894 | 1013 | 2532 | 546 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:27 | 33:27 | 0 | 0.988 | 1805568 | 378228 | 813 | 2032 | 465 | | |
| 291.9194 | 33:27 | 33:27 | 0 | 0.988 | 2282406 | 479763 | 1013 | 2532 | 474 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:53 | 33:53 | 0 | 1.000 | 1992342 | 391944 | 813 | 2032 | 482 | | |
| 291.9194 | 33:53 | 33:53 | 0 | 1.000 | 2407842 | 487106 | 1013 | 2532 | 481 | 0.83(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:27 | 34:27 | 0 | 1.001 | 1992247 | 395392 | 813 | 2032 | 486 | | |
| 291.9194 | 34:27 | 34:27 | 0 | 1.001 | 2473939 | 493788 | 1013 | 2532 | 487 | 0.81(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:53 | 25:55 | 0 | 0.814 | 3153818 | 708592 | 25 | 62 | 28344 | | |
| 339.9178 | 25:53 | 25:55 | 0 | 0.814 | 1976670 | 453676 | 13 | 32 | 34898 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:51 | 28:51 | 0 | 1.115 | 1120051 | 246437 | 25 | 62 | 9857 | | |
| 339.9178 | 28:51 | 28:51 | 0 | 1.115 | 697279 | 143755 | 13 | 32 | 11058 | 1.61(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:48 | 31:48 | 0 | | 2492252 | 535463 | 25 | 62 | 21419 | | |
| 339.9178 | 31:48 | 31:48 | 0 | | 1562178 | 344086 | 13 | 32 | 26468 | 1.60(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:29 | 34:29 | 0 | 1.085 | 1651239 | 346442 | 25 | 62 | 13858 | | |
| 339.9178 | 34:29 | 34:29 | 0 | 1.085 | 1029725 | 215749 | 13 | 32 | 16596 | 1.60(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:27 | 36:29 | 0 | 1.146 | 4300268 | 890451 | 3266 | 8165 | 273 | | |
| 339.9178 | 36:27 | 36:29 | 0 | 1.146 | 2716819 | 564673 | 1771 | 4427 | 319 | 1.58(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:46 | 36:49 | 0 | 1.157 | 4496335 | 940318 | 3266 | 8165 | 288 | | |
| 339.9178 | 36:46 | 36:49 | 0 | 1.157 | 2836371 | 592728 | 1771 | 4427 | 335 | 1.59(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:18 | 37:20 | 0 | 1.173 | 4392696 | 898283 | 3266 | 8165 | 275 | | |
| 339.9178 | 37:18 | 37:20 | 0 | 1.173 | 2717801 | 564078 | 1771 | 4427 | 319 | 1.62(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:57 | 37:59 | 0 | 1.194 | 4361527 | 884797 | 3266 | 8165 | 271 | | |
| 339.9178 | 37:57 | 37:59 | 0 | 1.194 | 2749499 | 554973 | 1771 | 4427 | 313 | 1.59(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:26 | 39:26 | 0 | | 4376991 | 891448 | 3266 | 8165 | 273 | | |
| 339.9178 | 39:26 | 39:26 | 0 | | 2769172 | 565270 | 1771 | 4427 | 319 | 1.58(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:02 | 41:05 | 0 | 1.291 | 4185276 | 825432 | 3266 | 8165 | 253 | | |
| 339.9178 | 41:02 | 41:05 | 0 | 1.291 | 2691128 | 544189 | 1771 | 4427 | 307 | 1.56(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:55 | 25:55 | 0 | 1.001 | 2059603 | 469942 | 54 | 135 | 8703 | | |
| 327.8775 | 25:55 | 25:55 | 0 | 1.001 | 1301821 | 297071 | 29 | 72 | 10244 | 1.58(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:17 | 26:17 | 0 | 1.015 | 1793161 | 409940 | 54 | 135 | 7591 | | |
| 327.8775 | 26:17 | 26:17 | 0 | 1.015 | 1132549 | 257601 | 29 | 72 | 8883 | 1.58(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:13 | 28:13 | 0 | 1.090 | 1515096 | 336156 | 54 | 135 | 6225 | | |
| 327.8775 | 28:13 | 28:13 | 0 | 1.090 | 949305 | 208766 | 29 | 72 | 7199 | 1.60(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:27 | 28:27 | 0 | 1.099 | 1334225 | 288873 | 54 | 135 | 5350 | | |
| 327.8775 | 28:27 | 28:27 | 0 | 1.099 | 828683 | 182164 | 29 | 72 | 6282 | 1.61(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:53 | 28:53 | 0 | 1.116 | 1417581 | 316204 | 54 | 135 | 5856 | | |
| 327.8775 | 28:53 | 28:53 | 0 | 1.116 | 892346 | 196986 | 29 | 72 | 6793 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:06 | 29:06 | 0 | 1.124 | 2855611 | 606524 | 54 | 135 | 11232 | | |
| 327.8775 | 29:06 | 29:06 | 0 | 1.124 | 1783747 | 372435 | 29 | 72 | 12843 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:06 | 29:06 | 0 | 1.124 | 2855611 | 606524 | 54 | 135 | 11232 | | |
| 327.8775 | 29:06 | 29:06 | 0 | 1.124 | 1783747 | 372435 | 29 | 72 | 12843 | 1.60(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:15 | 29:15 | 0 | 1.130 | 2910858 | 352119 | 54 | 135 | 6521 | | M |
| 327.8775 | 29:15 | 29:15 | 0 | 1.130 | 1804019 | 222588 | 29 | 72 | 7675 | 1.61(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:15 | 29:15 | 0 | 1.130 | 2910858 | 352119 | 54 | 135 | 6521 | | M |
| 327.8775 | 29:15 | 29:15 | 0 | 1.130 | 1804019 | 222588 | 29 | 72 | 7675 | 1.61(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | Ma |
| 325.8804 | 29:45 | 29:45 | 0 | 1.149 | 2881026 | 338512 | 54 | 135 | 6269 | | M |
| 327.8775 | 29:45 | 29:45 | 0 | 1.149 | 1792623 | 213881 | 29 | 72 | 7375 | 1.61(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | Ma |
| 325.8804 | 29:45 | 29:45 | 0 | 1.149 | 2881026 | 338512 | 54 | 135 | 6269 | | M |
| 327.8775 | 29:45 | 29:45 | 0 | 1.149 | 1792623 | 213881 | 29 | 72 | 7375 | 1.61(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:58 | 29:58 | 0 | 1.157 | 1229340 | 262188 | 54 | 135 | 4855 | | |
| 327.8775 | 29:58 | 29:58 | 0 | 1.157 | 774709 | 166471 | 29 | 72 | 5740 | 1.59(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:27 | 30:27 | 0 | 1.176 | 1332570 | 285203 | 54 | 135 | 5282 | | |
| 327.8775 | 30:27 | 30:27 | 0 | 1.176 | 824795 | 174739 | 29 | 72 | 6025 | 1.62(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:52 | 30:52 | 0 | 1.192 | 2014929 | 434666 | 54 | 135 | 8049 | | |
| 327.8775 | 30:52 | 30:52 | 0 | 1.192 | 1267659 | 277672 | 29 | 72 | 9575 | 1.59(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:14 | 31:14 | 0 | 0.857 | 1403964 | 301715 | 54 | 135 | 5587 | | |
| 327.8775 | 31:14 | 31:14 | 0 | 0.857 | 900193 | 190530 | 29 | 72 | 6570 | 1.56(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:48 | 0 | 1.229 | 4866062 | 712351 | 54 | 135 | 13192 | | |
| 327.8775 | 31:48 | 31:48 | 0 | 1.229 | 3052199 | 451089 | 29 | 72 | 15555 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:48 | 0 | 1.229 | 4866062 | 712351 | 54 | 135 | 13192 | | |
| 327.8775 | 31:48 | 31:48 | 0 | 1.229 | 3052199 | 451089 | 29 | 72 | 15555 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:48 | 31:48 | 0 | 1.229 | 4866062 | 712351 | 54 | 135 | 13192 | | |
| 327.8775 | 31:48 | 31:48 | 0 | 1.229 | 3052199 | 451089 | 29 | 72 | 15555 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:24 | 32:24 | 0 | 1.252 | 2742158 | 333977 | 54 | 135 | 6185 | | |
| 327.8775 | 32:24 | 32:24 | 0 | 1.252 | 1719245 | 214005 | 29 | 72 | 7379 | 1.59(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:24 | 32:24 | 0 | 1.252 | 2742158 | 333977 | 54 | 135 | 6185 | | |
| 327.8775 | 32:24 | 32:24 | 0 | 1.252 | 1719245 | 214005 | 29 | 72 | 7379 | 1.59(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:31 | 32:31 | 0 | 1.256 | 2001626 | 408033 | 54 | 135 | 7556 | | |
| 327.8775 | 32:31 | 32:31 | 0 | 1.256 | 1236054 | 253382 | 29 | 72 | 8737 | 1.62(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 9857904 | 1155683 | 54 | 135 | 21402 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6256219 | 733569 | 29 | 72 | 25295 | 1.58(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 9857904 | 1155683 | 54 | 135 | 21402 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6256219 | 733569 | 29 | 72 | 25295 | 1.58(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 9857904 | 1155683 | 54 | 135 | 21402 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6256219 | 733569 | 29 | 72 | 25295 | 1.58(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 9857904 | 1155683 | 54 | 135 | 21402 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6256219 | 733569 | 29 | 72 | 25295 | 1.58(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 9857904 | 1155683 | 54 | 135 | 21402 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6256219 | 733569 | 29 | 72 | 25295 | 1.58(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 9857904 | 1155683 | 54 | 135 | 21402 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6256219 | 733569 | 29 | 72 | 25295 | 1.58(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:38 | 0 | 1.299 | 5124577 | 667414 | 54 | 135 | 12360 | | |
| 327.8775 | 33:38 | 33:38 | 0 | 1.299 | 3244004 | 421158 | 29 | 72 | 14523 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:38 | 0 | 1.299 | 5124577 | 667414 | 54 | 135 | 12360 | | |
| 327.8775 | 33:38 | 33:38 | 0 | 1.299 | 3244004 | 421158 | 29 | 72 | 14523 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:38 | 0 | 1.299 | 5124577 | 667414 | 54 | 135 | 12360 | | |
| 327.8775 | 33:38 | 33:38 | 0 | 1.299 | 3244004 | 421158 | 29 | 72 | 14523 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:52 | 33:52 | 0 | 1.308 | 3842440 | 432048 | 54 | 135 | 8001 | | |
| 327.8775 | 33:52 | 33:52 | 0 | 1.308 | 2431305 | 271444 | 29 | 72 | 9360 | 1.58(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:52 | 33:52 | 0 | 1.308 | 3842440 | 432048 | 54 | 135 | 8001 | | |
| 327.8775 | 33:52 | 33:52 | 0 | 1.308 | 2431305 | 271444 | 29 | 72 | 9360 | 1.58(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:07 | 34:07 | 0 | 1.318 | 1268205 | 253204 | 54 | 135 | 4689 | | |
| 327.8775 | 34:07 | 34:07 | 0 | 1.318 | 800980 | 162867 | 29 | 72 | 5616 | 1.58(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:30 | 34:30 | 0 | 1.333 | 2087898 | 436773 | 54 | 135 | 8088 | | |
| 327.8775 | 34:30 | 34:30 | 0 | 1.333 | 1312618 | 270748 | 29 | 72 | 9336 | 1.59(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:58 | 34:58 | 0 | 1.351 | 2160467 | 437935 | 54 | 135 | 8110 | | |
| 327.8775 | 34:58 | 34:58 | 0 | 1.351 | 1334814 | 275961 | 29 | 72 | 9516 | 1.62(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:06 | 0 | 1.395 | 5094631 | 1032908 | 3529 | 8822 | 293 | | |
| 327.8775 | 36:06 | 36:06 | 0 | 1.395 | 3265196 | 666010 | 1166 | 2915 | 571 | 1.56(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:06 | 0 | 1.395 | 5094631 | 1032908 | 3529 | 8822 | 293 | | |
| 327.8775 | 36:06 | 36:06 | 0 | 1.395 | 3265196 | 666010 | 1166 | 2915 | 571 | 1.56(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:21 | 36:21 | 0 | 1.404 | 2825655 | 549262 | 3529 | 8822 | 156 | | |
| 327.8775 | 36:21 | 36:21 | 0 | 1.404 | 1783317 | 350734 | 1166 | 2915 | 301 | 1.58(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:28 | 36:28 | 0 | 1.001 | 2815567 | 586504 | 3529 | 8822 | 166 | | |
| 327.8775 | 36:28 | 36:28 | 0 | 1.001 | 1796975 | 372961 | 1166 | 2915 | 320 | 1.57(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:35 | 36:35 | 0 | 1.004 | 2697843 | 544126 | 3529 | 8822 | 154 | | |
| 327.8775 | 36:35 | 36:35 | 0 | 1.004 | 1682080 | 333881 | 1166 | 2915 | 286 | 1.60(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:48 | 36:48 | 0 | 1.001 | 2870306 | 557836 | 3529 | 8822 | 158 | | |
| 327.8775 | 36:48 | 36:48 | 0 | 1.001 | 1797920 | 347347 | 1166 | 2915 | 298 | 1.60(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:08 | 37:08 | 0 | 1.010 | 2444314 | 505295 | 3529 | 8822 | 143 | | |
| 327.8775 | 37:08 | 37:08 | 0 | 1.010 | 1539465 | 318865 | 1166 | 2915 | 273 | 1.59(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:19 | 37:19 | 0 | 1.001 | 2945442 | 567181 | 3529 | 8822 | 161 | | |
| 327.8775 | 37:19 | 37:19 | 0 | 1.001 | 1848830 | 357198 | 1166 | 2915 | 306 | 1.59(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:58 | 37:58 | 0 | 1.001 | 2782644 | 525314 | 3529 | 8822 | 149 | | |
| 327.8775 | 37:58 | 37:58 | 0 | 1.001 | 1697665 | 337106 | 1166 | 2915 | 289 | 1.64(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:27 | 39:27 | 0 | 1.040 | 2817093 | 536144 | 3529 | 8822 | 152 | | |
| 327.8775 | 39:26 | 39:27 | -1 | 1.039 | 1749848 | 334477 | 1166 | 2915 | 287 | 1.61(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:03 | 41:03 | 0 | 1.000 | 2746930 | 494788 | 3529 | 8822 | 140 | | |
| 327.8775 | 41:03 | 41:03 | 0 | 1.000 | 1720210 | 308805 | 1166 | 2915 | 265 | 1.60(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:35 | 31:36 | 0 | 0.791 | 2555001 | 545445 | 17 | 42 | 32085 | | |
| 373.8788 | 31:35 | 31:36 | 0 | 0.791 | 2022363 | 435093 | 7 | 17 | 62156 | 1.26(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:39 | 38:39 | 0 | 0.901 | 1420192 | 298683 | 1000 | 2500 | 299 | | |
| 373.8788 | 38:39 | 38:39 | 0 | 0.901 | 1126340 | 238079 | 940 | 2350 | 253 | 1.26(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:54 | 39:54 | 0 | | 2759576 | 549801 | 1000 | 2500 | 550 | | |
| 373.8788 | 39:54 | 39:54 | 0 | | 2134763 | 434843 | 940 | 2350 | 463 | 1.29(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:54 | 42:57 | 0 | 1.075 | 3511084 | 710743 | 1000 | 2500 | 711 | | |
| 373.8788 | 42:54 | 42:57 | 0 | 1.075 | 2657616 | 544093 | 940 | 2350 | 579 | 1.32(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:03 | 44:06 | 0 | 1.104 | 6797321 | 939155 | 1000 | 2500 | 939 | | |
| 373.8788 | 44:03 | 44:06 | 0 | 1.104 | 5357142 | 749933 | 940 | 2350 | 798 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:03 | 44:06 | 0 | 1.104 | 6797321 | 939155 | 1000 | 2500 | 939 | | |
| 373.8788 | 44:03 | 44:06 | 0 | 1.104 | 5357142 | 749933 | 940 | 2350 | 798 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:17 | 47:20 | 0 | 1.185 | 3518249 | 669987 | 1000 | 2500 | 670 | | |
| 373.8788 | 47:17 | 47:20 | 0 | 1.185 | 2732171 | 526505 | 940 | 2350 | 560 | 1.29(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:36 | 31:36 | 0 | 1.001 | 1519497 | 326839 | 29 | 72 | 11270 | | |
| 361.8385 | 31:36 | 31:36 | 0 | 1.001 | 1200856 | 263056 | 41 | 102 | 6416 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:48 | 31:48 | 0 | 1.007 | 1459809 | 309925 | 29 | 72 | 10687 | | |
| 361.8385 | 31:48 | 31:48 | 0 | 1.007 | 1129577 | 237529 | 41 | 102 | 5793 | 1.29(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:58 | 31:58 | 0 | 1.012 | 1456631 | 309923 | 29 | 72 | 10687 | | |
| 361.8385 | 31:58 | 31:58 | 0 | 1.012 | 1150854 | 243281 | 41 | 102 | 5934 | 1.27(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:19 | 32:19 | 0 | 1.023 | 1364282 | 285151 | 29 | 72 | 9833 | | |
| 361.8385 | 32:19 | 32:19 | 0 | 1.023 | 1065606 | 224455 | 41 | 102 | 5475 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:37 | 32:37 | 0 | 1.033 | 1427152 | 294699 | 29 | 72 | 10162 | | |
| 361.8385 | 32:37 | 32:37 | 0 | 1.033 | 1084016 | 225904 | 41 | 102 | 5510 | 1.32(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:08 | 34:08 | 0 | 1.081 | 1041590 | 219776 | 29 | 72 | 7578 | | |
| 361.8385 | 34:08 | 34:08 | 0 | 1.081 | 833140 | 175045 | 41 | 102 | 4269 | 1.25(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | M |
| 359.8415 | 34:46 | 34:46 | 0 | 1.101 | 2012870 | 232201 | 29 | 72 | 8007 | | M |
| 361.8385 | 34:43 | 34:46 | -4 | 1.099 | 1589781 | 183078 | 41 | 102 | 4465 | 1.27(1.05-1.43) | M |
| PCB-151 (C135) | | | | | | | | | | | M |
| 359.8415 | 34:46 | 34:46 | 0 | 1.101 | 2012870 | 232201 | 29 | 72 | 8007 | | M |
| 361.8385 | 34:43 | 34:46 | -4 | 1.099 | 1589781 | 183078 | 41 | 102 | 4465 | 1.27(1.05-1.43) | M |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:59 | 34:59 | 0 | 1.108 | 1209741 | 246142 | 29 | 72 | 8488 | | |
| 361.8385 | 34:59 | 34:59 | 0 | 1.108 | 949676 | 195733 | 41 | 102 | 4774 | 1.27(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:18 | 35:18 | 0 | 1.118 | 1079751 | 220917 | 29 | 72 | 7618 | | |
| 361.8385 | 35:18 | 35:18 | 0 | 1.118 | 853267 | 172159 | 41 | 102 | 4199 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:40 | 35:40 | 0 | 1.129 | 3090211 | 649661 | 533 | 1332 | 1219 | | |
| 361.8385 | 35:40 | 35:40 | 0 | 1.129 | 2449835 | 514481 | 300 | 750 | 1715 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:40 | 35:40 | 0 | 1.129 | 3090211 | 649661 | 533 | 1332 | 1219 | | |
| 361.8385 | 35:40 | 35:40 | 0 | 1.129 | 2449835 | 514481 | 300 | 750 | 1715 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:57 | 35:57 | 0 | 1.138 | 2739222 | 302579 | 533 | 1332 | 568 | | |
| 361.8385 | 35:57 | 35:57 | 0 | 1.138 | 2186047 | 242840 | 300 | 750 | 809 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:57 | 35:57 | 0 | 1.138 | 2739222 | 302579 | 533 | 1332 | 568 | | |
| 361.8385 | 35:57 | 35:57 | 0 | 1.138 | 2186047 | 242840 | 300 | 750 | 809 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:15 | 36:15 | 0 | 1.148 | 3178807 | 592212 | 533 | 1332 | 1111 | | |
| 361.8385 | 36:15 | 36:15 | 0 | 1.148 | 2542092 | 482154 | 300 | 750 | 1607 | 1.25(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:15 | 36:15 | 0 | 1.148 | 3178807 | 592212 | 533 | 1332 | 1111 | | |
| 361.8385 | 36:15 | 36:15 | 0 | 1.148 | 2542092 | 482154 | 300 | 750 | 1607 | 1.25(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:27 | 36:27 | 0 | 1.155 | 1353439 | 284781 | 533 | 1332 | 534 | | |
| 361.8385 | 36:27 | 36:27 | 0 | 1.155 | 1087354 | 225388 | 300 | 750 | 751 | 1.24(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:36 | 36:36 | 0 | 1.159 | 1402044 | 289025 | 533 | 1332 | 542 | | |
| 361.8385 | 36:36 | 36:36 | 0 | 1.159 | 1113718 | 230916 | 300 | 750 | 770 | 1.26(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:55 | 36:55 | 0 | 1.169 | 1422768 | 289764 | 533 | 1332 | 544 | | |
| 361.8385 | 36:55 | 36:55 | 0 | 1.169 | 1125618 | 226184 | 300 | 750 | 754 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:25 | 37:25 | 0 | 1.185 | 1444845 | 290774 | 533 | 1332 | 546 | | |
| 361.8385 | 37:25 | 37:25 | 0 | 1.185 | 1159257 | 230515 | 300 | 750 | 768 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:49 | 37:49 | 0 | 0.881 | 1805644 | 371138 | 533 | 1332 | 696 | | |
| 361.8385 | 37:49 | 37:49 | 0 | 0.881 | 1422971 | 296248 | 300 | 750 | 987 | 1.27(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:04 | 38:04 | 0 | 0.887 | 1649779 | 340384 | 533 | 1332 | 639 | | |
| 361.8385 | 38:04 | 38:04 | 0 | 0.887 | 1292124 | 266257 | 300 | 750 | 888 | 1.28(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:12 | 38:12 | 0 | 0.890 | 2053580 | 420487 | 533 | 1332 | 789 | | |
| 361.8385 | 38:12 | 38:12 | 0 | 0.890 | 1631060 | 337060 | 300 | 750 | 1124 | 1.26(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:43 | 38:43 | 0 | 0.902 | 3842289 | 560401 | 533 | 1332 | 1051 | | |
| 361.8385 | 38:42 | 38:43 | -1 | 0.902 | 3026404 | 445973 | 300 | 750 | 1487 | 1.27(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:43 | 38:43 | 0 | 0.902 | 3842289 | 560401 | 533 | 1332 | 1051 | | |
| 361.8385 | 38:42 | 38:43 | -1 | 0.902 | 3026404 | 445973 | 300 | 750 | 1487 | 1.27(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:52 | 38:52 | 0 | 0.906 | 1584536 | 303453 | 533 | 1332 | 569 | | |
| 361.8385 | 38:52 | 38:52 | 0 | 0.906 | 1215267 | 240473 | 300 | 750 | 802 | 1.30(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:17 | 39:17 | 0 | 0.916 | 1311995 | 265729 | 533 | 1332 | 499 | | |
| 361.8385 | 39:17 | 39:17 | 0 | 0.916 | 1045519 | 216098 | 300 | 750 | 720 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:30 | 39:30 | 0 | 0.921 | 1668784 | 344113 | 533 | 1332 | 646 | | |
| 361.8385 | 39:30 | 39:30 | 0 | 0.921 | 1308726 | 265061 | 300 | 750 | 884 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:37 | 39:37 | 0 | 0.923 | 1978382 | 395558 | 533 | 1332 | 742 | | |
| 361.8385 | 39:37 | 39:37 | 0 | 0.923 | 1559125 | 311968 | 300 | 750 | 1040 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 6743200 | 756225 | 533 | 1332 | 1419 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5386979 | 601201 | 300 | 750 | 2004 | 1.25(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 6743200 | 756225 | 533 | 1332 | 1419 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5386979 | 601201 | 300 | 750 | 2004 | 1.25(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 6743200 | 756225 | 533 | 1332 | 1419 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5386979 | 601201 | 300 | 750 | 2004 | 1.25(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 6743200 | 756225 | 533 | 1332 | 1419 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5386979 | 601201 | 300 | 750 | 2004 | 1.25(1.05-1.43) | M |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:19 | 40:19 | 0 | 0.940 | 2201112 | 425478 | 533 | 1332 | 798 | | |
| 361.8385 | 40:19 | 40:19 | 0 | 0.940 | 1721511 | 328705 | 300 | 750 | 1096 | 1.28(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:10 | 41:10 | 0 | 0.959 | 3450845 | 576594 | 533 | 1332 | 1082 | | |
| 361.8385 | 41:09 | 41:10 | -1 | 0.959 | 2753551 | 466884 | 300 | 750 | 1556 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:10 | 41:10 | 0 | 0.959 | 3450845 | 576594 | 533 | 1332 | 1082 | | |
| 361.8385 | 41:09 | 41:10 | -1 | 0.959 | 2753551 | 466884 | 300 | 750 | 1556 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:10 | 42:10 | 0 | 0.983 | 2084165 | 409511 | 533 | 1332 | 768 | | |
| 361.8385 | 42:10 | 42:10 | 0 | 0.983 | 1655965 | 327946 | 300 | 750 | 1093 | 1.26(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:27 | 42:27 | 0 | 0.989 | 2185693 | 410035 | 533 | 1332 | 769 | | |
| 361.8385 | 42:27 | 42:27 | 0 | 0.989 | 1740559 | 324871 | 300 | 750 | 1083 | 1.26(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:56 | 42:56 | 0 | 1.001 | 2218347 | 437293 | 533 | 1332 | 820 | | |
| 361.8385 | 42:56 | 42:56 | 0 | 1.001 | 1778392 | 347447 | 300 | 750 | 1158 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:04 | 44:04 | 0 | 1.000 | 4198722 | 587034 | 533 | 1332 | 1101 | | |
| 361.8385 | 44:04 | 44:04 | 0 | 1.000 | 3316709 | 465935 | 300 | 750 | 1553 | 1.27(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:04 | 44:04 | 0 | 1.000 | 4198722 | 587034 | 533 | 1332 | 1101 | | |
| 361.8385 | 44:04 | 44:04 | 0 | 1.000 | 3316709 | 465935 | 300 | 750 | 1553 | 1.27(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:19 | 47:19 | 0 | 1.001 | 2131025 | 401587 | 533 | 1332 | 753 | | |
| 361.8385 | 47:19 | 47:19 | 0 | 1.001 | 1690165 | 314739 | 300 | 750 | 1049 | 1.26(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:18 | 37:21 | 0 | 0.821 | 2873441 | 580061 | 33 | 82 | 17578 | | |
| 407.8398 | 37:18 | 37:21 | 0 | 0.821 | 2693114 | 558835 | 3 | 7 | 186278 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:21 | 40:21 | 0 | 0.888 | 1057690 | 214997 | 33 | 82 | 6515 | | |
| 407.8398 | 40:21 | 40:21 | 0 | 0.888 | 976093 | 195170 | 3 | 7 | 65057 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:27 | 45:27 | 0 | | 2094232 | 408494 | 33 | 82 | 12379 | | |
| 407.8398 | 45:27 | 45:27 | 0 | | 2014860 | 399859 | 3 | 7 | 133286 | 1.04(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:43 | 46:46 | 0 | 1.028 | 1702821 | 337451 | 33 | 82 | 10226 | | |
| 407.8398 | 46:43 | 46:46 | 0 | 1.028 | 1613502 | 318780 | 3 | 7 | 106260 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:50 | 49:53 | 0 | 1.096 | 4080683 | 789310 | 1782 | 4455 | 443 | | |
| 407.8398 | 49:50 | 49:53 | 0 | 1.096 | 3821552 | 736436 | 1411 | 3527 | 522 | 1.07(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:20 | 37:20 | 0 | 1.001 | 1653568 | 337777 | 10 | 25 | 33778 | | |
| 395.7995 | 37:20 | 37:20 | 0 | 1.001 | 1567848 | 325671 | 24 | 60 | 13570 | 1.05(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:40 | 37:40 | 0 | 1.009 | 1524740 | 311336 | 10 | 25 | 31134 | | |
| 395.7995 | 37:40 | 37:40 | 0 | 1.009 | 1434311 | 290442 | 24 | 60 | 12102 | 1.06(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:12 | 38:12 | 0 | 1.024 | 1518776 | 304666 | 10 | 25 | 30467 | | |
| 395.7995 | 38:12 | 38:12 | 0 | 1.024 | 1440426 | 295578 | 24 | 60 | 12316 | 1.05(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:33 | 38:33 | 0 | 1.033 | 1670494 | 340432 | 10 | 25 | 34043 | | |
| 395.7995 | 38:33 | 38:33 | 0 | 1.033 | 1575146 | 316424 | 24 | 60 | 13184 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:00 | 39:00 | 0 | 1.046 | 1573203 | 316583 | 10 | 25 | 31658 | | |
| 395.7995 | 39:00 | 39:00 | 0 | 1.046 | 1517857 | 305227 | 24 | 60 | 12718 | 1.04(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:23 | 40:23 | 0 | 1.082 | 1123011 | 225271 | 10 | 25 | 22527 | | |
| 395.7995 | 40:23 | 40:23 | 0 | 1.082 | 1054774 | 211594 | 24 | 60 | 8816 | 1.06(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:01 | 41:01 | 0 | 1.100 | 1148365 | 226245 | 10 | 25 | 22625 | | |
| 395.7995 | 41:01 | 41:01 | 0 | 1.100 | 1094496 | 219963 | 24 | 60 | 9165 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:17 | 41:17 | 0 | 1.107 | 1199983 | 239490 | 10 | 25 | 23949 | | |
| 395.7995 | 41:17 | 41:17 | 0 | 1.107 | 1136420 | 221432 | 24 | 60 | 9226 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:30 | 41:30 | 0 | 1.112 | 1260873 | 255011 | 10 | 25 | 25501 | | |
| 395.7995 | 41:30 | 41:30 | 0 | 1.112 | 1188552 | 235080 | 24 | 60 | 9795 | 1.06(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:54 | 41:54 | 0 | 1.123 | 2462597 | 259081 | 10 | 25 | 25908 | | M |
| 395.7995 | 41:54 | 41:54 | 0 | 1.123 | 2337899 | 250884 | 24 | 60 | 10454 | 1.05(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:54 | 41:54 | 0 | 1.123 | 2462597 | 259081 | 10 | 25 | 25908 | | M |
| 395.7995 | 41:54 | 41:54 | 0 | 1.123 | 2337899 | 250884 | 24 | 60 | 10454 | 1.05(0.89-1.21) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:08 | 42:08 | 0 | 1.129 | 1045950 | 209319 | 10 | 25 | 20932 | | |
| 395.7995 | 42:08 | 42:08 | 0 | 1.129 | 983317 | 197775 | 24 | 60 | 8241 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:35 | 42:35 | 0 | 1.141 | 1017611 | 202304 | 10 | 25 | 20230 | | |
| 395.7995 | 42:35 | 42:35 | 0 | 1.141 | 990484 | 192864 | 24 | 60 | 8036 | 1.03(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:58 | 42:58 | 0 | 1.152 | 1194956 | 240981 | 10 | 25 | 24098 | | |
| 395.7995 | 42:58 | 42:58 | 0 | 1.152 | 1132603 | 223362 | 24 | 60 | 9307 | 1.06(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:12 | 43:12 | 0 | 1.158 | 2070449 | 362958 | 10 | 25 | 36296 | | |
| 395.7995 | 43:12 | 43:12 | 0 | 1.158 | 1980039 | 339115 | 24 | 60 | 14130 | 1.05(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:12 | 43:12 | 0 | 1.158 | 2070449 | 362958 | 10 | 25 | 36296 | | |
| 395.7995 | 43:12 | 43:12 | 0 | 1.158 | 1980039 | 339115 | 24 | 60 | 14130 | 1.05(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:50 | 44:50 | 0 | 0.900 | 1109160 | 219738 | 10 | 25 | 21974 | | |
| 395.7995 | 44:50 | 44:50 | 0 | 0.900 | 1041646 | 208595 | 24 | 60 | 8691 | 1.06(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:06 | 45:06 | 0 | 0.905 | 1441951 | 287268 | 10 | 25 | 28727 | | |
| 395.7995 | 45:06 | 45:06 | 0 | 0.905 | 1383874 | 272270 | 24 | 60 | 11345 | 1.04(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:26 | 45:26 | 0 | 0.912 | 2696391 | 366592 | 10 | 25 | 36659 | | |
| 395.7995 | 45:26 | 45:26 | 0 | 0.912 | 2576308 | 344567 | 24 | 60 | 14357 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:26 | 45:26 | 0 | 0.912 | 2696391 | 366592 | 10 | 25 | 36659 | | |
| 395.7995 | 45:26 | 45:26 | 0 | 0.912 | 2576308 | 344567 | 24 | 60 | 14357 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:50 | 45:50 | 0 | 0.920 | 1538302 | 301496 | 10 | 25 | 30150 | | |
| 395.7995 | 45:50 | 45:50 | 0 | 0.920 | 1462058 | 290549 | 24 | 60 | 12106 | 1.05(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:44 | 46:44 | 0 | 0.938 | 1113746 | 214653 | 10 | 25 | 21465 | | |
| 395.7995 | 46:44 | 46:44 | -1 | 0.938 | 1062345 | 200462 | 24 | 60 | 8353 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:16 | 47:16 | 0 | 0.948 | 1538066 | 300101 | 10 | 25 | 30010 | | |
| 395.7995 | 47:16 | 47:16 | 0 | 0.948 | 1454593 | 277202 | 24 | 60 | 11550 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:51 | 49:51 | 0 | 1.001 | 2620774 | 508955 | 370 | 925 | 1376 | | |
| 395.7995 | 49:51 | 49:51 | 0 | 1.001 | 2464954 | 475391 | 377 | 942 | 1261 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:41 | 42:43 | 0 | 0.822 | 2023931 | 410575 | 10 | 25 | 41058 | | |
| 441.8008 | 42:41 | 42:43 | 0 | 0.822 | 2242272 | 444158 | 36 | 90 | 12338 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:57 | 51:57 | 0 | | 2270873 | 439575 | 154 | 385 | 2854 | | |
| 441.8008 | 51:57 | 51:57 | 0 | | 2463829 | 480372 | 2414 | 6035 | 199 | 0.92(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:25 | 52:27 | 0 | 1.009 | 2738576 | 522605 | 154 | 385 | 3394 | | |
| 441.8008 | 52:25 | 52:27 | 0 | 1.009 | 3006271 | 574056 | 2414 | 6035 | 238 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:43 | 42:43 | 0 | 1.001 | 1011394 | 199119 | 57 | 142 | 3493 | | |
| 429.7606 | 42:43 | 42:43 | 0 | 1.001 | 1116576 | 223368 | 25 | 62 | 8935 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:38 | 43:38 | 0 | 1.022 | 1119786 | 219752 | 57 | 142 | 3855 | | |
| 429.7606 | 43:38 | 43:38 | 0 | 1.022 | 1227387 | 241225 | 25 | 62 | 9649 | 0.91(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:18 | 44:18 | 0 | 1.038 | 1062713 | 211325 | 57 | 142 | 3707 | | |
| 429.7606 | 44:18 | 44:18 | 0 | 1.038 | 1172953 | 234776 | 25 | 62 | 9391 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:32 | 44:32 | 0 | 1.043 | 1117859 | 228645 | 57 | 142 | 4011 | | |
| 429.7606 | 44:32 | 44:32 | 0 | 1.043 | 1256444 | 255522 | 25 | 62 | 10221 | 0.89(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:38 | 44:38 | 0 | 1.046 | 1096879 | 214751 | 57 | 142 | 3768 | | |
| 429.7606 | 44:38 | 44:38 | 0 | 1.046 | 1228913 | 239639 | 25 | 62 | 9586 | 0.89(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:26 | 47:26 | 0 | 1.111 | 1560300 | 204590 | 57 | 142 | 3589 | | |
| 429.7606 | 47:25 | 47:26 | -1 | 1.111 | 1732815 | 227084 | 25 | 62 | 9083 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:26 | 47:26 | 0 | 1.111 | 1560300 | 204590 | 57 | 142 | 3589 | | |
| 429.7606 | 47:25 | 47:26 | -1 | 1.111 | 1732815 | 227084 | 25 | 62 | 9083 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:06 | 48:06 | 0 | 0.918 | 832238 | 164183 | 57 | 142 | 2880 | | |
| 429.7606 | 48:06 | 48:06 | 0 | 0.918 | 915228 | 181197 | 25 | 62 | 7248 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:18 | 48:18 | 0 | 0.921 | 872915 | 170966 | 57 | 142 | 2999 | | |
| 429.7606 | 48:18 | 48:18 | 0 | 0.921 | 969031 | 190858 | 25 | 62 | 7634 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:37 | 49:37 | 0 | 0.947 | 1203005 | 229683 | 202 | 505 | 1137 | | |
| 429.7606 | 49:37 | 49:37 | 0 | 0.947 | 1327156 | 254733 | 1011 | 2527 | 252 | 0.91(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:58 | 51:58 | 0 | 0.991 | 1276092 | 248619 | 202 | 505 | 1231 | | |
| 429.7606 | 51:58 | 51:58 | 0 | 0.991 | 1402615 | 273311 | 1011 | 2527 | 270 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:26 | 52:26 | 0 | 1.000 | 1645447 | 311890 | 202 | 505 | 1544 | | |
| 429.7606 | 52:26 | 52:26 | 0 | 1.000 | 1800694 | 348981 | 1011 | 2527 | 345 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:22 | 49:25 | 0 | 0.950 | 2362186 | 455875 | 626 | 1565 | 728 | | |
| 475.7619 | 49:22 | 49:25 | 0 | 0.950 | 3072352 | 600418 | 1822 | 4555 | 330 | 0.77(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:10 | 54:13 | 0 | 1.043 | 1628537 | 296962 | 626 | 1565 | 474 | | |
| 475.7619 | 54:10 | 54:13 | 0 | 1.043 | 1984761 | 382700 | 1822 | 4555 | 210 | 0.82(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:23 | 49:23 | 0 | 1.000 | 1336818 | 257523 | 251 | 627 | 1026 | | |
| 463.7216 | 49:23 | 49:23 | 0 | 1.000 | 1674229 | 323479 | 403 | 1007 | 803 | 0.80(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:20 | 50:20 | 0 | 1.019 | 1294730 | 249188 | 251 | 627 | 993 | | |
| 463.7216 | 50:20 | 50:20 | 0 | 1.019 | 1636105 | 321671 | 403 | 1007 | 798 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:12 | 54:12 | 0 | 1.000 | 919825 | 174623 | 251 | 627 | 696 | | |
| 463.7216 | 54:12 | 54:12 | 0 | 1.000 | 1153549 | 219745 | 403 | 1007 | 545 | 0.80(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:50 | 55:52 | 0 | 1.075 | 1757781 | 312426 | 71 | 177 | 4400 | | |
| 509.7229 | 55:50 | 55:52 | 0 | 1.075 | 2456425 | 444124 | 124 | 310 | 3582 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:51 | 55:51 | 0 | 1.000 | 1016895 | 183625 | 33 | 82 | 5564 | | |
| 497.6826 | 55:51 | 55:51 | 0 | 1.000 | 1448010 | 258337 | 27 | 67 | 9568 | 0.70(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00007 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
CCV Relative RT Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 09-Oct-2019 13:16:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 19:18:18 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 19:18:18

Start Cal Date: 21-Aug-2019 13:37:00
End Cal Date: 21-Aug-2019 19:05:00

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-1L | | 11:46 | 11:46 | 1 | 15 | 0.7275 | 0.7282 | 0.717 - 0.7472 |
| PCB-3L | | 13:57 | 13:56 | 0 | 15 | 0.8625 | 0.8625 | 0.849 - 0.8798 |
| PCB-1 | L | 11:47 | 11:47 | 1 | | 1.0011 | 1.0011 | 0.995 - 1.0085 |
| PCB-2 | | 13:47 | 13:46 | 0 | | 0.9878 | 0.9878 | 0.985 - 0.9925 |
| PCB-3 | L | 13:58 | 13:57 | 0 | | 1.0009 | 1.0009 | 0.998 - 1.0048 |
| PCB-4L | | 14:12 | 14:11 | 0 | 15 | 0.8779 | 0.8778 | 0.865 - 0.8956 |
| PCB-9L | | 16:11 | 16:10 | 0 | | 1.0000 | 1.0000 | 0.987 - 1.0128 |
| PCB-8L | | 17:00 | 17:00 | 0 | | 1.1969 | 1.1981 | 1.192 - 1.1989 |
| PCB-15L | | 20:06 | 20:04 | -1 | 15 | 1.2426 | 1.2419 | 1.233 - 1.2530 |
| PCB-4 | L | 14:13 | 14:12 | 0 | | 1.0009 | 1.0009 | 0.994 - 1.0058 |
| PCB-10 | | 14:23 | 14:23 | 0 | | 1.0129 | 1.0138 | 1.010 - 1.0168 |
| PCB-9 | | 16:11 | 16:11 | 0 | | 1.1400 | 1.1401 | 1.135 - 1.1415 |
| PCB-7 | | 16:22 | 16:21 | 0 | | 1.1520 | 1.1521 | 1.147 - 1.1538 |
| PCB-6 | | 16:36 | 16:35 | 0 | | 1.1686 | 1.1687 | 1.164 - 1.1706 |
| PCB-5 | | 16:55 | 16:53 | -1 | | 1.1907 | 1.1898 | 1.186 - 1.1926 |
| PCB-8 | | 17:02 | 17:01 | 0 | | 1.1990 | 1.1991 | 1.194 - 1.2008 |
| PCB-14 | | 18:40 | 18:38 | -1 | | 0.9284 | 0.9284 | 0.926 - 0.9305 |
| PCB-11 | | 19:30 | 19:28 | -1 | | 0.9700 | 0.9700 | 0.968 - 0.9725 |
| PCB-12/13 | | 19:50 | 19:48 | -1 | | 0.9863 | 0.9863 | 0.983 - 0.9875 |
| PCB-15 | L | 20:07 | 20:06 | 0 | | 1.0007 | 1.0013 | 0.997 - 1.0050 |
| PCB-19L | | 17:19 | 17:18 | 0 | 15 | 0.8416 | 0.8416 | 0.831 - 0.8547 |
| PCB-32L | | 20:34 | 20:33 | 0 | | 1.0000 | 1.0000 | 0.998 - 1.0024 |
| PCB-31L | | 22:50 | 22:49 | -1 | | 1.0000 | 1.0000 | 0.998 - 1.0022 |
| PCB-28L | | 23:08 | 23:06 | -2 | | 1.0134 | 1.0128 | 1.006 - 1.0201 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-37L | | 27:09 | 27:07 | -2 | 15 | 1.1889 | 1.1886 | 1.178 - 1.1995 |
| PCB-19 | L | 17:20 | 17:19 | 0 | | 1.0008 | 1.0008 | 0.996 - 1.0058 |
| PCB-18/30 | | 19:11 | 19:09 | -1 | | 1.1081 | 1.1073 | 1.104 - 1.1093 |
| PCB-17 | | 19:37 | 19:36 | 0 | | 1.1330 | 1.1330 | 1.129 - 1.1352 |
| PCB-27 | | 19:50 | 19:49 | -1 | | 1.1458 | 1.1451 | 1.141 - 1.1471 |
| PCB-24 | | 19:58 | 19:56 | -1 | | 1.1534 | 1.1527 | 1.148 - 1.1542 |
| PCB-16 | | 20:04 | 20:03 | 0 | | 1.1594 | 1.1595 | 1.156 - 1.1621 |
| PCB-32 | | 20:36 | 20:34 | -1 | | 1.1897 | 1.1889 | 1.185 - 1.1908 |
| PCB-34 | | 21:52 | 21:50 | -1 | | 1.2627 | 1.2619 | 1.257 - 1.2623 |
| PCB-23 | | 22:01 | 21:59 | -1 | | 1.2715 | 1.2707 | 1.266 - 1.2715 |
| PCB-26/29 | | 22:20 | 22:18 | -1 | | 1.2899 | 1.2891 | 1.282 - 1.2915 |
| PCB-25 | | 22:34 | 22:32 | -1 | | 0.8308 | 0.8310 | 0.829 - 0.8325 |
| PCB-31 | | 22:52 | 22:50 | -1 | | 0.8421 | 0.8422 | 0.840 - 0.8438 |
| PCB-20/28 | | 23:11 | 23:08 | -2 | | 0.8538 | 0.8535 | 0.851 - 0.8568 |
| PCB-21/33 | | 23:24 | 23:22 | -1 | | 0.8617 | 0.8620 | 0.858 - 0.8637 |
| PCB-22 | | 23:48 | 23:46 | -1 | | 0.8763 | 0.8765 | 0.875 - 0.8786 |
| PCB-36 | | 25:22 | 25:20 | -1 | | 0.9339 | 0.9343 | 0.932 - 0.9352 |
| PCB-39 | | 25:43 | 25:41 | -1 | | 0.9470 | 0.9474 | 0.945 - 0.9483 |
| PCB-38 | | 26:18 | 26:15 | -2 | | 0.9686 | 0.9686 | 0.966 - 0.9695 |
| PCB-35 | | 26:46 | 26:44 | -1 | | 0.9855 | 0.9859 | 0.984 - 0.9875 |
| PCB-37 | L | 27:10 | 27:08 | -1 | | 1.0005 | 1.0009 | 0.999 - 1.0024 |
| PCB-54L | | 20:24 | 20:22 | -1 | 15 | 0.8167 | 0.8165 | 0.811 - 0.8247 |
| PCB-52L | | 24:59 | 24:57 | -1 | | 1.0000 | 1.0000 | 0.992 - 1.0083 |
| PCB-79L | | 32:54 | 32:52 | -2 | | 0.9704 | 0.9703 | 0.969 - 0.9718 |
| PCB-81L | | 33:55 | 33:52 | -3 | 15 | 1.3581 | 1.3578 | 1.351 - 1.3641 |
| PCB-77L | | 34:29 | 34:26 | -3 | 15 | 1.3806 | 1.3803 | 1.373 - 1.3867 |
| PCB-54 | L | 20:26 | 20:24 | -1 | | 1.0000 | 1.0000 | 0.996 - 1.0041 |
| PCB-50/53 | | 22:37 | 22:35 | -1 | | 1.1084 | 1.1085 | 1.102 - 1.1106 |
| PCB-45/51 | | 23:20 | 23:18 | -1 | | 1.1440 | 1.1441 | 1.137 - 1.1453 |
| PCB-46 | | 23:34 | 23:33 | -1 | | 1.1552 | 1.1560 | 1.153 - 1.1576 |
| PCB-52 | | 25:00 | 24:58 | -2 | | 1.2257 | 1.2253 | 1.222 - 1.2263 |
| PCB-43/73 | | 25:09 | 25:07 | -1 | | 1.2326 | 1.2328 | 1.230 - 1.2346 |
| PCB-49/69 | | 25:28 | 25:25 | -2 | | 1.2482 | 1.2478 | 1.242 - 1.2499 |
| PCB-48 | | 25:47 | 25:44 | -2 | | 1.2638 | 1.2634 | 1.259 - 1.2636 |
| PCB-44/47/65 | | 26:01 | 25:59 | -1 | | 1.2756 | 1.2759 | 1.269 - 1.2770 |
| PCB-59/62/75 | | 26:19 | 26:17 | -1 | | 1.2900 | 1.2903 | 1.284 - 1.2919 |
| PCB-42 | | 26:32 | 26:29 | -2 | | 1.3006 | 1.3003 | 1.296 - 1.3007 |
| PCB-40/41/71 | | 27:02 | 26:59 | -2 | | 1.3249 | 1.3247 | 1.317 - 1.3250 |
| PCB-64 | | 27:15 | 27:12 | -2 | | 1.3355 | 1.3353 | 1.331 - 1.3355 |
| PCB-72 | | 28:05 | 28:02 | -2 | | 0.8278 | 0.8278 | 0.826 - 0.8291 |
| PCB-68 | | 28:22 | 28:20 | -2 | | 0.8365 | 0.8364 | 0.835 - 0.8375 |
| PCB-57 | | 28:48 | 28:44 | -3 | | 0.8488 | 0.8485 | 0.847 - 0.8500 |
| PCB-58 | | 29:01 | 28:59 | -2 | | 0.8556 | 0.8556 | 0.854 - 0.8574 |
| PCB-67 | | 29:12 | 29:09 | -3 | | 0.8609 | 0.8605 | 0.859 - 0.8620 |
| PCB-63 | | 29:28 | 29:25 | -3 | | 0.8687 | 0.8684 | 0.866 - 0.8694 |
| PCB-61/70/74/76 | | 29:48 | 29:45 | -2 | | 0.8785 | 0.8785 | 0.875 - 0.8810 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-66 | | 30:07 | 30:05 | -2 | | 0.8879 | 0.8879 | 0.886 - 0.8894 |
| PCB-55 | | 30:17 | 30:14 | -2 | | 0.8927 | 0.8928 | 0.891 - 0.8943 |
| PCB-56 | | 30:47 | 30:44 | -3 | | 0.9077 | 0.9075 | 0.907 - 0.9098 |
| PCB-60 | | 31:00 | 30:57 | -3 | | 0.9141 | 0.9139 | 0.913 - 0.9158 |
| PCB-80 | | 31:26 | 31:22 | -3 | | 0.9265 | 0.9263 | 0.924 - 0.9268 |
| PCB-79 | | 32:57 | 32:53 | -3 | | 0.9715 | 0.9711 | 0.970 - 0.9726 |
| PCB-78 | | 33:30 | 33:27 | -3 | | 0.9876 | 0.9876 | 0.986 - 0.9890 |
| PCB-81 | T | 33:57 | 33:53 | -3 | | 1.0007 | 1.0004 | 0.999 - 1.0020 |
| PCB-77 | T/L | 34:30 | 34:27 | -3 | | 1.0007 | 1.0007 | 0.999 - 1.0019 |
| PCB-104L | | 25:56 | 25:53 | -2 | 15 | 0.8139 | 0.8142 | 0.810 - 0.8199 |
| PCB-95L | | 28:53 | 28:51 | -1 | | 1.1143 | 1.1146 | 1.112 - 1.1179 |
| PCB-101L | | 31:52 | 31:48 | -3 | | 1.0000 | 1.0000 | 0.994 - 1.0065 |
| PCB-111L | | 34:32 | 34:29 | -3 | | 1.0847 | 1.0845 | 1.079 - 1.0891 |
| PCB-123L | | 36:30 | 36:27 | -3 | 15 | 1.1459 | 1.1463 | 1.141 - 1.1511 |
| PCB-118L | | 36:50 | 36:46 | -3 | 15 | 1.1562 | 1.1566 | 1.151 - 1.1614 |
| PCB-114L | | 37:21 | 37:18 | -3 | 15 | 1.1726 | 1.1730 | 1.168 - 1.1780 |
| PCB-105L | | 38:00 | 37:57 | -3 | 15 | 1.1927 | 1.1936 | 1.188 - 1.1989 |
| PCB-127L | | 39:29 | 39:26 | -3 | | 1.0000 | 1.0000 | 0.995 - 1.0053 |
| PCB-126L | | 41:06 | 41:02 | -3 | 15 | 1.2900 | 1.2907 | 1.285 - 1.2956 |
| PCB-104 | L | 25:57 | 25:55 | -2 | | 1.0010 | 1.0010 | 0.998 - 1.0039 |
| PCB-96 | | 26:19 | 26:17 | -1 | | 1.0147 | 1.0152 | 1.013 - 1.0195 |
| PCB-103 | | 28:16 | 28:13 | -3 | | 1.0903 | 1.0900 | 1.087 - 1.0912 |
| PCB-94 | | 28:29 | 28:27 | -2 | | 1.0986 | 1.0988 | 1.097 - 1.1003 |
| PCB-95 | | 28:55 | 28:53 | -2 | | 1.1153 | 1.1156 | 1.113 - 1.1193 |
| PCB-93/100 | | 29:09 | 29:06 | -2 | | 1.1242 | 1.1244 | 1.120 - 1.1267 |
| PCB-98/102 | | 29:18 | 29:15 | -3 | | 1.1300 | 1.1298 | 1.127 - 1.1336 |
| PCB-88/91 | | 29:48 | 29:45 | -3 | | 1.1492 | 1.1490 | 1.143 - 1.1505 |
| PCB-84 | | 30:00 | 29:58 | -2 | | 1.1570 | 1.1574 | 1.157 - 1.1603 |
| PCB-89 | | 30:29 | 30:27 | -2 | | 1.1757 | 1.1761 | 1.175 - 1.1786 |
| PCB-121 | | 30:55 | 30:52 | -3 | | 1.1924 | *1.1923 | 1.188 - 1.1922 |
| PCB-92 | | 31:17 | 31:14 | -3 | | 0.8570 | 0.8570 | 0.856 - 0.8589 |
| PCB-90/101/113 | | 31:52 | 31:48 | -3 | | 1.2292 | 1.2287 | 1.224 - 1.2307 |
| PCB-83/99 | | 32:27 | 32:24 | -3 | | 1.2517 | 1.2518 | 1.245 - 1.2525 |
| PCB-112 | | 32:34 | 32:31 | -3 | | 1.2561 | 1.2563 | 1.254 - 1.2574 |
| PCB-86/87/97/109/119/125 | | 32:57 | 32:53 | -3 | | 1.2709 | 1.2705 | 1.265 - 1.2756 |
| PCB-85/116/117 | | 33:41 | 33:38 | -3 | | 1.2988 | 1.2991 | 1.293 - 1.3007 |
| PCB-110/115 | | 33:56 | 33:52 | -3 | | 1.3086 | 1.3084 | 1.303 - 1.3092 |
| PCB-82 | | 34:10 | 34:07 | -3 | | 1.3175 | 1.3177 | 1.316 - 1.3194 |
| PCB-111 | | 34:34 | 34:30 | -3 | | 1.3332 | 1.3330 | 1.329 - 1.3330 |
| PCB-120 | | 35:02 | 34:58 | -3 | | 1.3508 | 1.3507 | 1.348 - 1.3514 |
| PCB-108/124 | | 36:10 | 36:06 | -3 | | 1.3948 | 1.3947 | 1.390 - 1.3967 |
| PCB-107 | | 36:25 | 36:21 | -3 | | 1.4044 | 1.4043 | 1.401 - 1.4049 |
| PCB-123 | T | 36:32 | 36:28 | -3 | | 1.0007 | 1.0007 | 1.000 - 1.0023 |
| PCB-106 | | 36:38 | 36:35 | -3 | | 1.0036 | 1.0039 | 1.003 - 1.0057 |
| PCB-118 | T | 36:51 | 36:48 | -3 | | 1.0004 | 1.0007 | 0.999 - 1.0019 |
| PCB-122 | | 37:12 | 37:08 | -3 | | 1.0099 | 1.0100 | 1.009 - 1.0117 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-114 | T | 37:23 | 37:19 | -3 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-105 | T | 38:01 | 37:58 | -3 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-127 | | 39:31 | 39:27 | -3 | | 1.0399 | 1.0397 | 1.037 - 1.0399 |
| PCB-126 | T/L | 41:07 | 41:03 | -3 | | 1.0003 | 1.0003 | 1.000 - 1.0016 |
| PCB-155L | | 31:39 | 31:35 | -3 | 15 | 0.7919 | 0.7914 | 0.787 - 0.7951 |
| PCB-153L | | 38:42 | 38:39 | -2 | | 0.9008 | 0.9009 | 0.899 - 0.9028 |
| PCB-138L | | 39:58 | 39:54 | -3 | | 1.0000 | 1.0000 | 0.979 - 1.0208 |
| PCB-167L | | 42:59 | 42:54 | -4 | 15 | 1.0756 | 1.0754 | 1.071 - 1.0792 |
| PCB-156L/157L | | 44:08 | 44:03 | -4 | 15 | 1.1043 | 1.1043 | 1.100 - 1.1084 |
| PCB-169L | | 47:21 | 47:17 | -4 | 15 | 1.1851 | 1.1853 | 1.184 - 1.1864 |
| PCB-155 | L | 31:39 | 31:36 | -3 | | 1.0004 | 1.0008 | 0.998 - 1.0031 |
| PCB-152 | | 31:51 | 31:48 | -3 | | 1.0064 | 1.0069 | 1.006 - 1.0096 |
| PCB-150 | | 32:01 | 31:58 | -3 | | 1.0117 | 1.0121 | 1.011 - 1.0144 |
| PCB-136 | | 32:22 | 32:19 | -3 | | 1.0229 | *1.0234 | 1.024 - 1.0268 |
| PCB-145 | | 32:40 | 32:37 | -3 | | 1.0326 | 1.0331 | 1.033 - 1.0358 |
| PCB-148 | | 34:12 | 34:08 | -3 | | 1.0808 | 1.0811 | 1.080 - 1.0830 |
| PCB-135/151 | | 34:46 | 34:46 | 1 | | 1.0989 | 1.1012 | 1.099 - 1.1038 |
| PCB-154 | | 35:03 | 34:59 | -3 | | 1.1078 | 1.1081 | 1.106 - 1.1107 |
| PCB-144 | | 35:21 | 35:18 | -3 | | 1.1170 | 1.1177 | 1.117 - 1.1199 |
| PCB-147/149 | | 35:43 | 35:40 | -3 | | 1.1286 | 1.1293 | 1.127 - 1.1326 |
| PCB-134/143 | | 36:01 | 35:57 | -3 | | 1.1381 | 1.1384 | 1.136 - 1.1409 |
| PCB-139/140 | | 36:19 | 36:15 | -3 | | 1.1476 | 1.1479 | 1.146 - 1.1515 |
| PCB-131 | | 36:30 | 36:27 | -3 | | 1.1538 | 1.1546 | 1.154 - 1.1571 |
| PCB-142 | | 36:40 | 36:36 | -3 | | 1.1587 | 1.1591 | 1.159 - 1.1621 |
| PCB-132 | | 36:58 | 36:55 | -3 | | 1.1682 | 1.1691 | 1.168 - 1.1728 |
| PCB-133 | | 37:29 | 37:25 | -3 | | 1.1843 | 1.1852 | 1.184 - 1.1872 |
| PCB-165 | | 37:53 | 37:49 | -3 | | 0.8814 | 0.8814 | 0.880 - 0.8825 |
| PCB-146 | | 38:08 | 38:04 | -3 | | 0.8872 | 0.8872 | 0.886 - 0.8882 |
| PCB-161 | | 38:16 | 38:12 | -3 | | 0.8902 | 0.8902 | 0.889 - 0.8914 |
| PCB-153/168 | | 38:47 | 38:43 | -3 | | 0.9024 | 0.9024 | 0.900 - 0.9040 |
| PCB-141 | | 38:56 | 38:52 | -4 | | 0.9060 | 0.9058 | 0.905 - 0.9075 |
| PCB-130 | | 39:21 | 39:17 | -3 | | 0.9154 | 0.9155 | 0.915 - 0.9172 |
| PCB-137 | | 39:34 | 39:30 | -3 | | 0.9206 | 0.9207 | 0.920 - 0.9224 |
| PCB-164 | | 39:41 | 39:37 | -3 | | 0.9233 | 0.9234 | 0.923 - 0.9252 |
| PCB-129/138/160/163 | | 40:00 | 39:56 | -3 | | 0.9307 | 0.9308 | 0.930 - 0.9349 |
| PCB-158 | | 40:23 | 40:19 | -3 | | 0.9395 | 0.9396 | 0.939 - 0.9409 |
| PCB-128/166 | | 41:14 | 41:10 | -3 | | 0.9592 | 0.9594 | 0.958 - 0.9617 |
| PCB-159 | | 42:14 | 42:10 | -4 | | 0.9827 | 0.9826 | 0.982 - 0.9839 |
| PCB-162 | | 42:31 | 42:27 | -4 | | 0.9894 | 0.9893 | 0.988 - 0.9907 |
| PCB-167 | T | 43:00 | 42:56 | -4 | | 1.0006 | 1.0006 | 0.999 - 1.0016 |
| PCB-156/157 | T | 44:08 | 44:04 | -4 | | 1.0003 | 1.0003 | 0.999 - 1.0025 |
| PCB-169 | T/L | 47:23 | 47:19 | -4 | | 1.0006 | 1.0006 | 0.999 - 1.0015 |
| PCB-188L | | 37:22 | 37:18 | -3 | 15 | 0.8208 | 0.8207 | 0.817 - 0.8243 |
| PCB-178L | | 40:24 | 40:21 | -2 | | 0.8877 | 0.8877 | 0.884 - 0.8916 |
| PCB-180L | | 45:32 | 45:27 | -4 | | 1.0000 | 1.0000 | 0.996 - 1.0037 |
| PCB-170L | | 46:47 | 46:43 | -4 | 15 | 1.0276 | 1.0276 | 1.024 - 1.0317 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-189L | | 49:54 | 49:50 | -4 | 15 | 1.0962 | 1.0962 | 1.093 - 1.1000 |
| PCB-188 | L | 37:24 | 37:20 | -3 | | 1.0007 | 1.0007 | 1.000 - 1.0022 |
| PCB-179 | | 37:43 | 37:40 | -3 | | 1.0094 | 1.0095 | 1.009 - 1.0115 |
| PCB-184 | | 38:16 | 38:12 | -3 | | 1.0238 | 1.0238 | 1.023 - 1.0254 |
| PCB-176 | | 38:37 | 38:33 | -3 | | 1.0332 | 1.0333 | 1.033 - 1.0351 |
| PCB-186 | | 39:04 | 39:00 | -3 | | 1.0455 | 1.0456 | 1.045 - 1.0476 |
| PCB-178 | | 40:27 | 40:23 | -3 | | 1.0822 | 1.0824 | 1.081 - 1.0837 |
| PCB-175 | | 41:05 | 41:01 | -3 | | 1.0994 | 1.0996 | 1.098 - 1.1008 |
| PCB-187 | | 41:21 | 41:17 | -4 | | 1.1067 | 1.1066 | 1.106 - 1.1082 |
| PCB-182 | | 41:34 | 41:30 | -4 | | 1.1123 | 1.1122 | 1.111 - 1.1137 |
| PCB-183/185 | | 41:58 | 41:54 | -4 | | 1.1231 | *1.1231 | 1.123 - 1.1260 |
| PCB-174 | | 42:12 | 42:08 | -4 | | 1.1294 | 1.1294 | 1.129 - 1.1313 |
| PCB-177 | | 42:38 | 42:35 | -3 | | 1.1410 | 1.1413 | 1.140 - 1.1430 |
| PCB-181 | | 43:02 | 42:58 | -3 | | 1.1515 | 1.1519 | 1.151 - 1.1535 |
| PCB-171/173 | | 43:15 | 43:12 | -3 | | 1.1574 | 1.1578 | 1.156 - 1.1602 |
| PCB-172 | | 44:54 | 44:50 | -4 | | 0.8997 | 0.8996 | 0.899 - 0.9008 |
| PCB-192 | | 45:10 | 45:06 | -4 | | 0.9052 | 0.9051 | 0.904 - 0.9060 |
| PCB-180/193 | | 45:30 | 45:26 | -4 | | 0.9117 | 0.9117 | 0.911 - 0.9130 |
| PCB-191 | | 45:54 | 45:50 | -4 | | 0.9198 | 0.9198 | 0.919 - 0.9209 |
| PCB-170 | | 46:48 | 46:44 | -4 | | 0.9379 | 0.9380 | 0.937 - 0.9392 |
| PCB-190 | | 47:20 | 47:16 | -4 | | 0.9484 | 0.9485 | 0.948 - 0.9496 |
| PCB-189 | T/L | 49:55 | 49:51 | -3 | | 1.0003 | 1.0005 | 0.999 - 1.0013 |
| PCB-202L | | 42:45 | 42:41 | -3 | 15 | 0.8215 | 0.8217 | 0.819 - 0.8249 |
| PCB-194L | | 52:02 | 51:57 | -5 | | 1.0000 | 1.0000 | 0.996 - 1.0040 |
| PCB-205L | | 52:29 | 52:25 | -4 | 15 | 1.0088 | 1.0091 | 1.004 - 1.0138 |
| PCB-202 | L | 42:46 | 42:43 | -3 | | 1.0006 | 1.0006 | 0.999 - 1.0027 |
| PCB-201 | | 43:42 | 43:38 | -4 | | 1.0223 | 1.0221 | 1.020 - 1.0237 |
| PCB-204 | | 44:23 | 44:18 | -4 | | 1.0382 | 1.0380 | 1.036 - 1.0388 |
| PCB-197 | | 44:36 | 44:32 | -4 | | 1.0434 | 1.0432 | 1.042 - 1.0445 |
| PCB-200 | | 44:42 | 44:38 | -4 | | 1.0459 | 1.0457 | 1.045 - 1.0473 |
| PCB-198/199 | | 47:30 | 47:26 | -3 | | 1.1113 | 1.1113 | 1.109 - 1.1132 |
| PCB-196 | | 48:11 | 48:06 | -4 | | 0.9179 | 0.9177 | 0.917 - 0.9189 |
| PCB-203 | | 48:22 | 48:18 | -4 | | 0.9217 | 0.9214 | 0.921 - 0.9226 |
| PCB-195 | | 49:41 | 49:37 | -4 | | 0.9467 | 0.9466 | 0.946 - 0.9481 |
| PCB-194 | | 52:02 | 51:58 | -4 | | 0.9915 | 0.9915 | 0.991 - 0.9926 |
| PCB-205 | L | 52:31 | 52:26 | -4 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-208L | | 49:26 | 49:22 | -3 | 15 | 0.9501 | 0.9505 | 0.947 - 0.9534 |
| PCB-206L | | 54:15 | 54:10 | -5 | 15 | 1.0428 | 1.0429 | 1.038 - 1.0472 |
| PCB-208 | L | 49:28 | 49:23 | -4 | | 1.0005 | 1.0003 | 0.999 - 1.0013 |
| PCB-207 | | 50:24 | 50:20 | -4 | | 1.0196 | 1.0193 | 1.019 - 1.0205 |
| PCB-206 | L | 54:17 | 54:12 | -4 | | 1.0005 | 1.0005 | 1.000 - 1.0015 |
| PCB-209L | | 55:54 | 55:50 | -4 | 15 | 1.0746 | 1.0748 | 1.069 - 1.0784 |
| DCB Decachlorobiphenyl | L | 55:56 | 55:51 | -4 | | 1.0005 | 1.0005 | 0.999 - 1.0012 |

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
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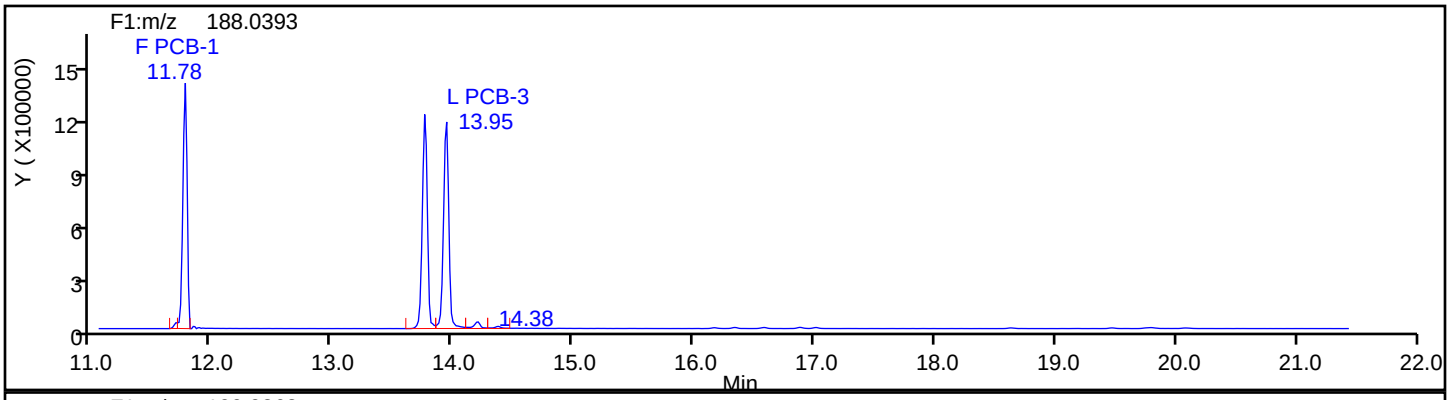
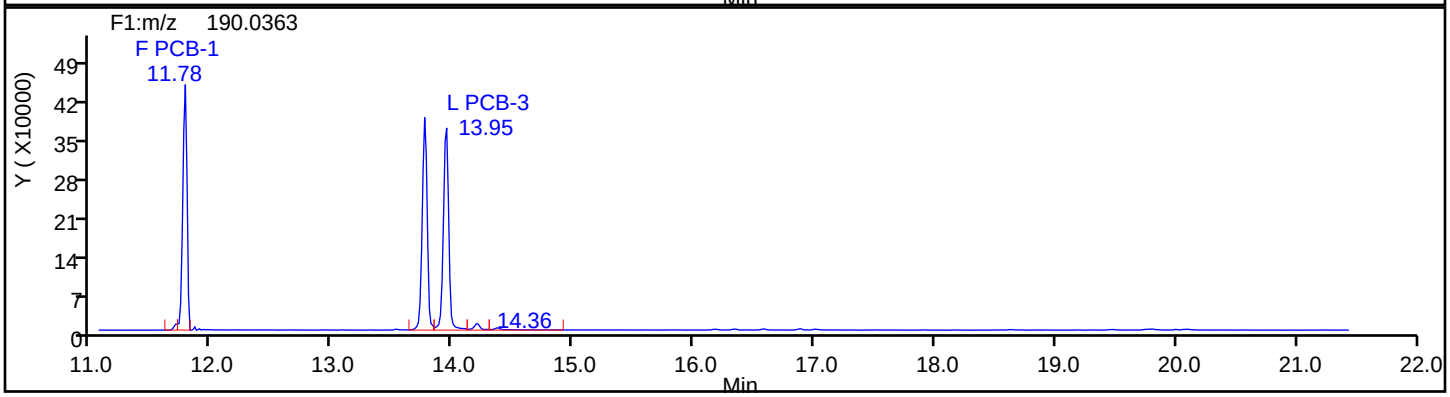
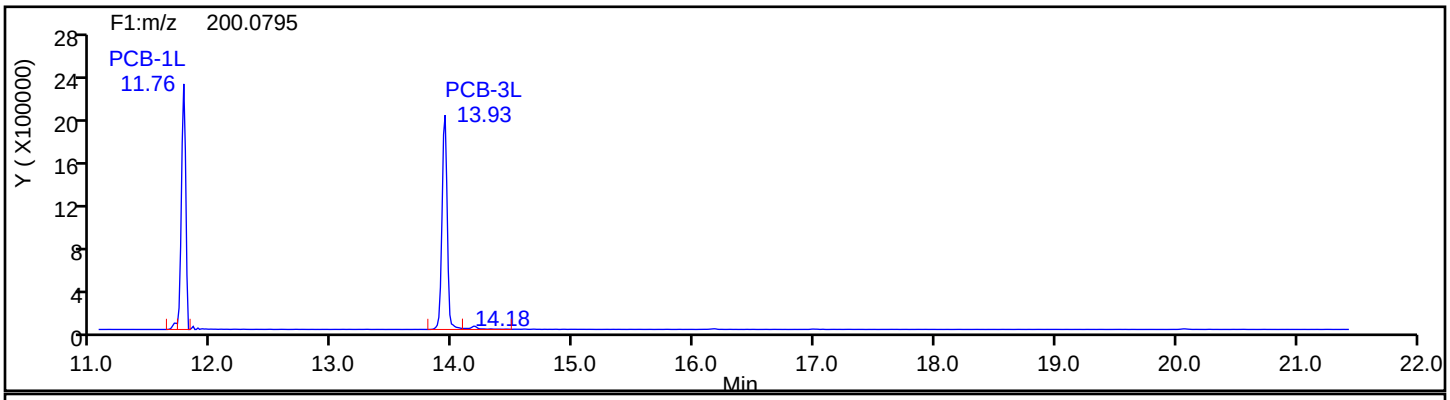
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

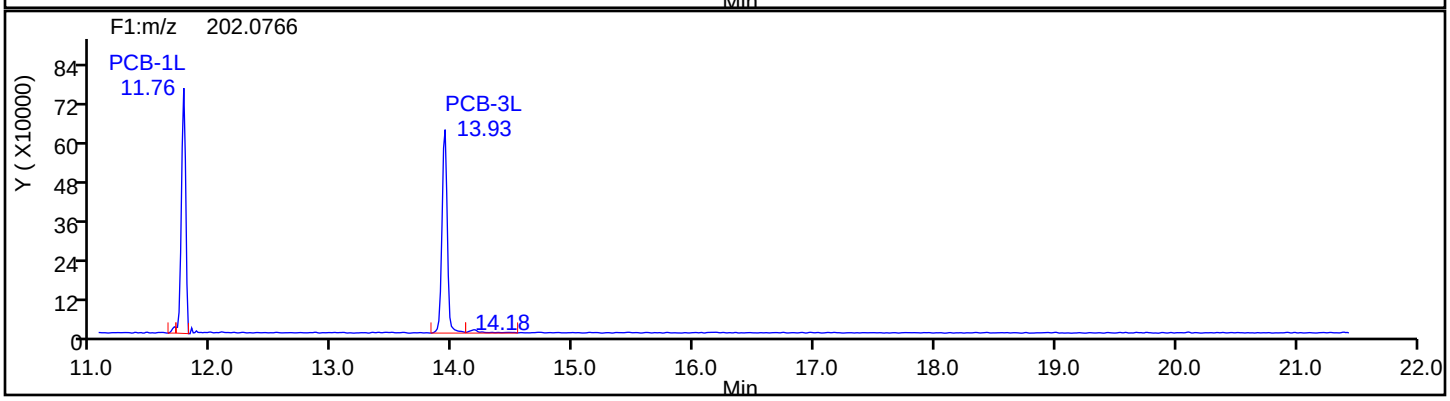
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
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| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
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| Worklist#: | 34298 | Sample Line#: | 1 |
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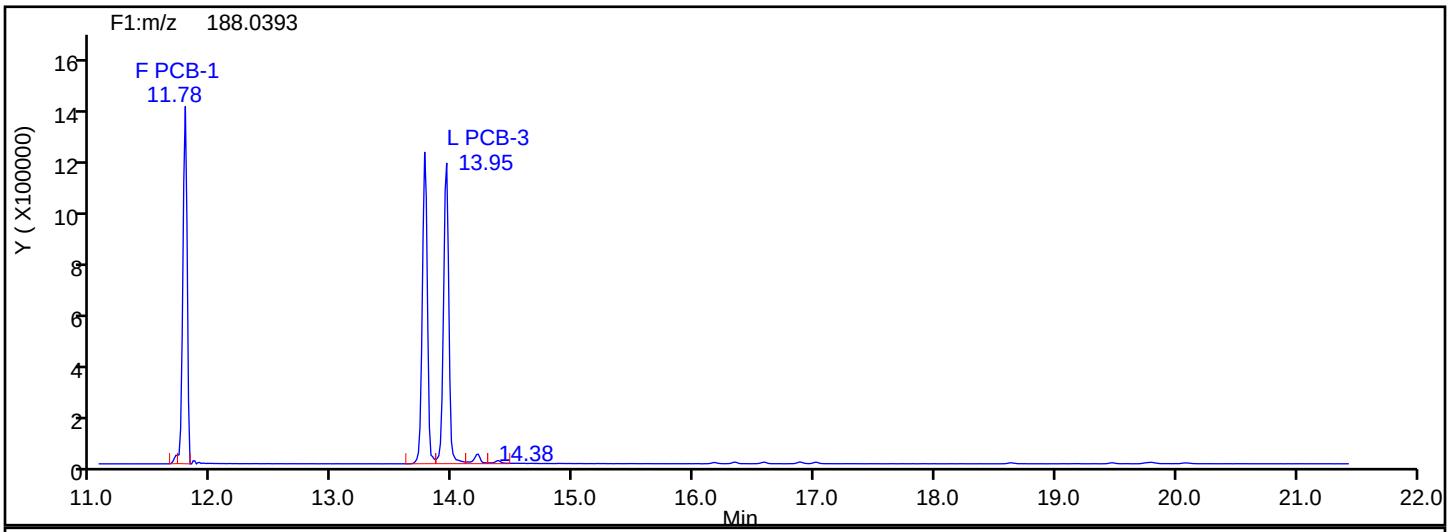
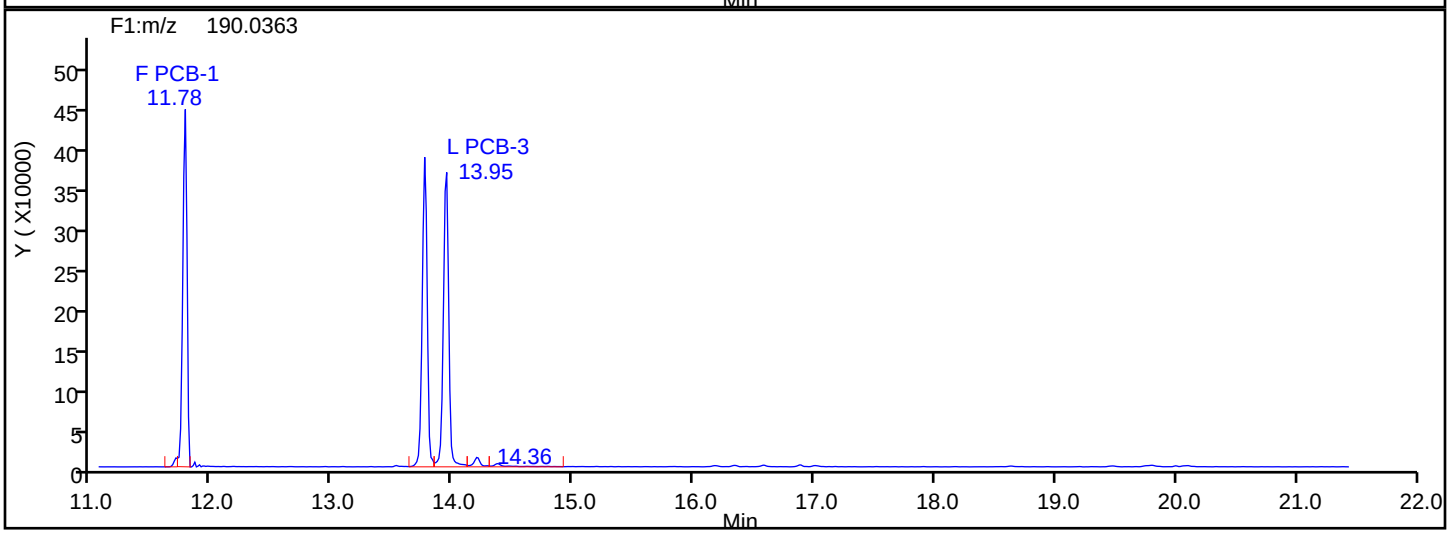
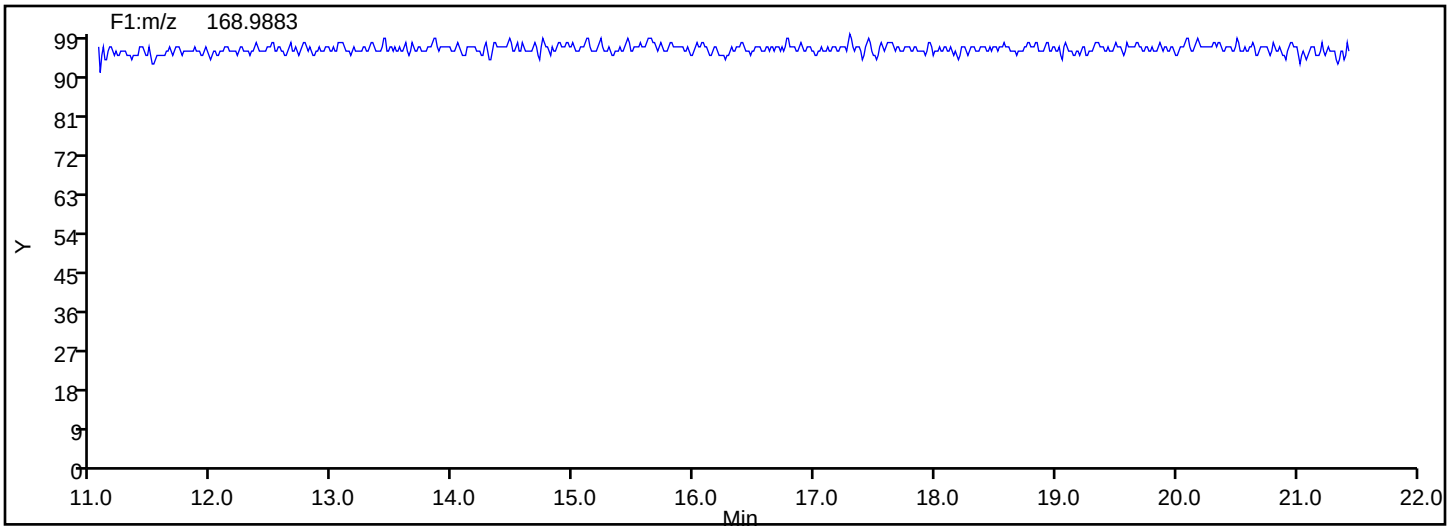
MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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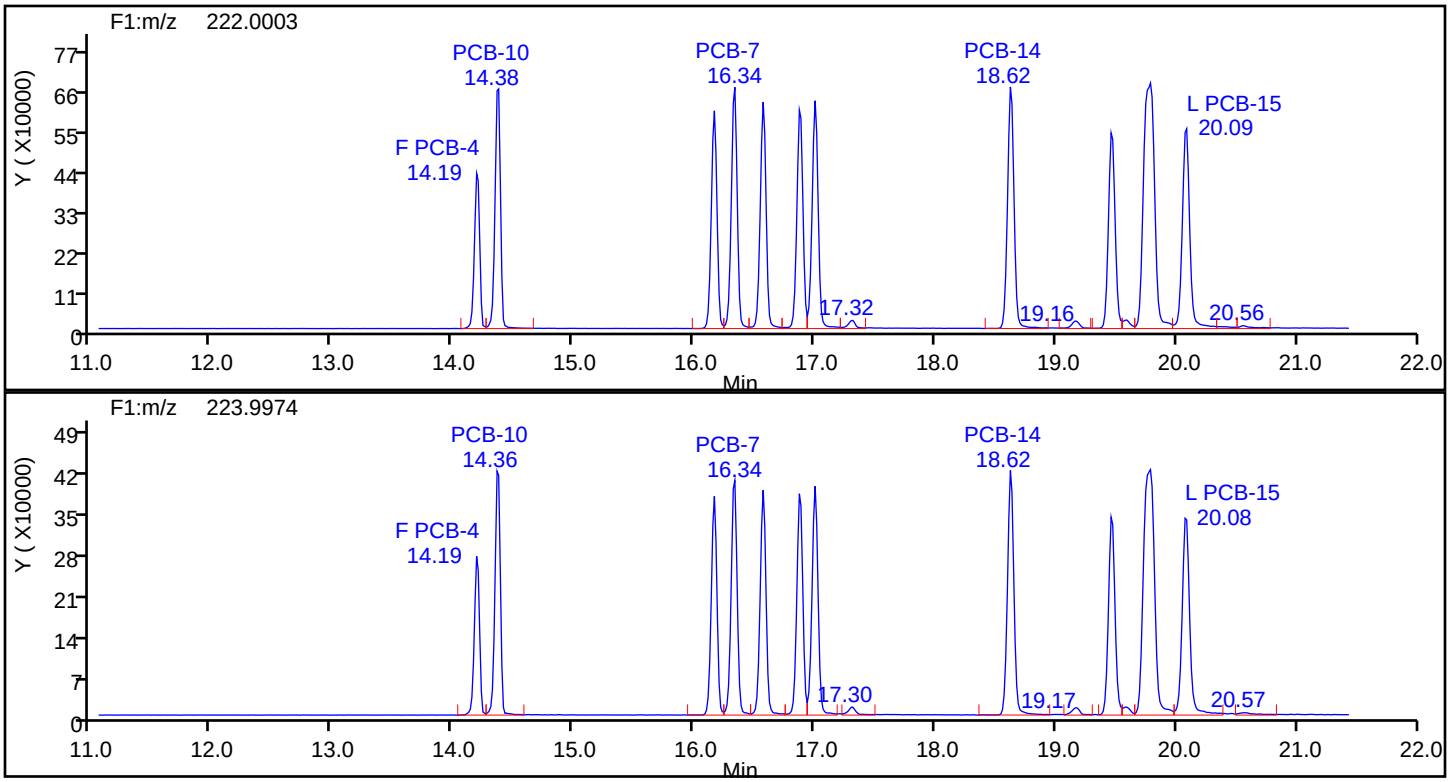
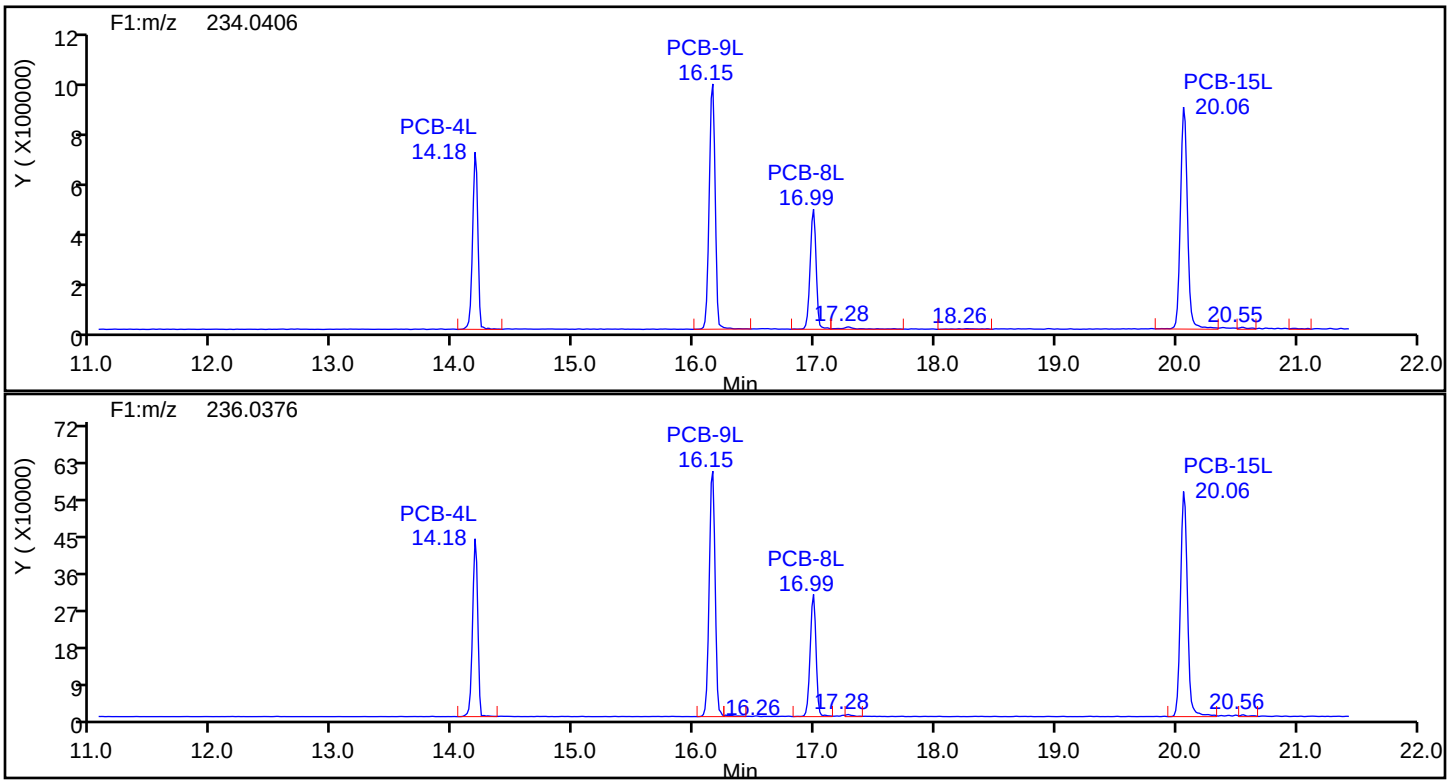
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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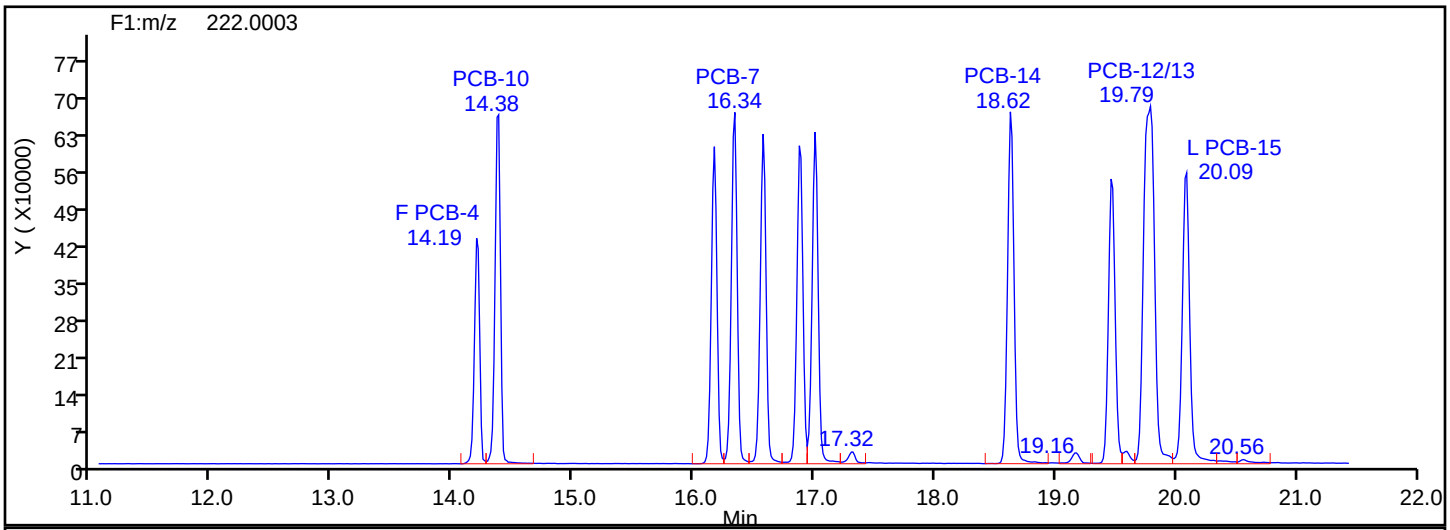
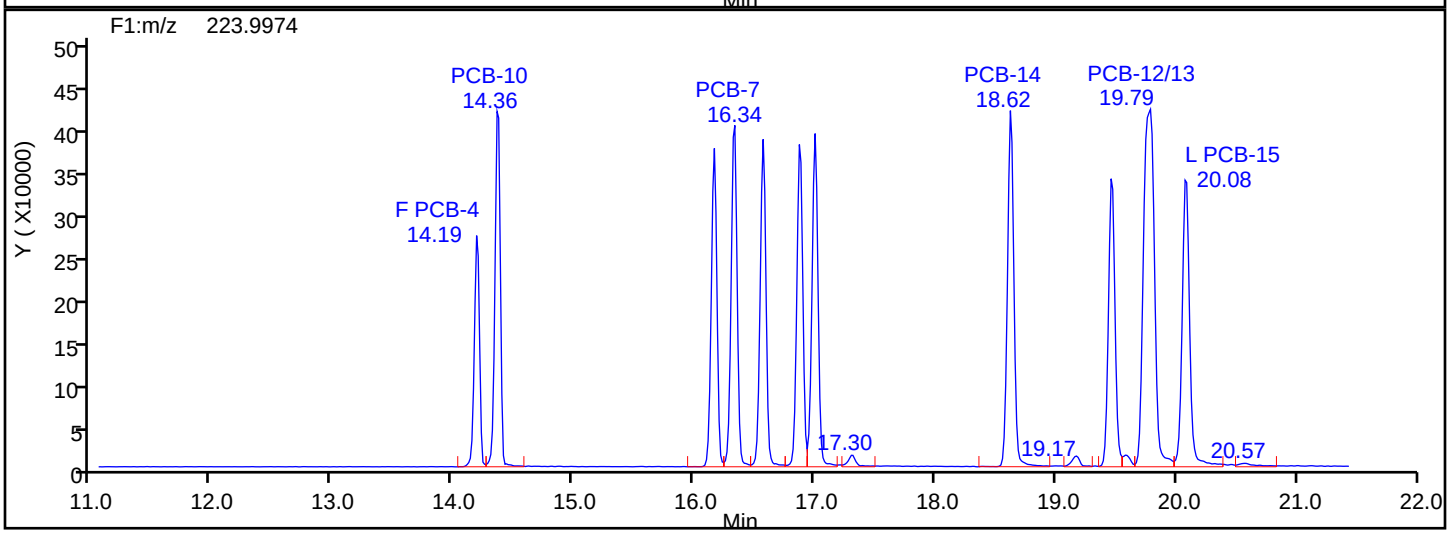
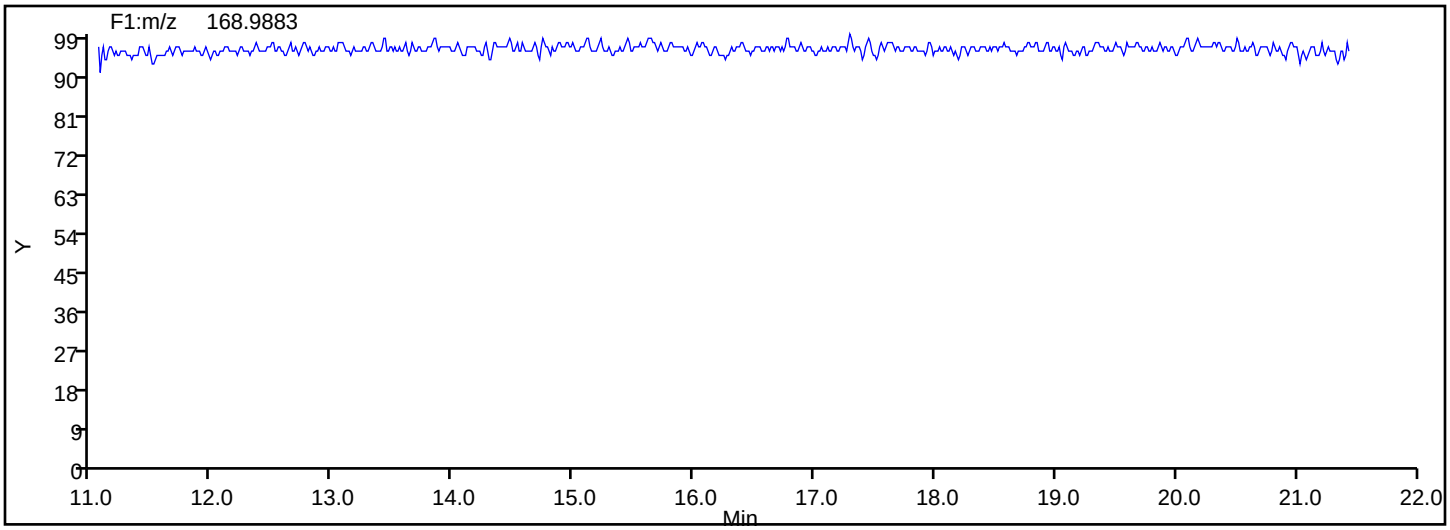
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Report Date: 09-Oct-2019 19:18:23 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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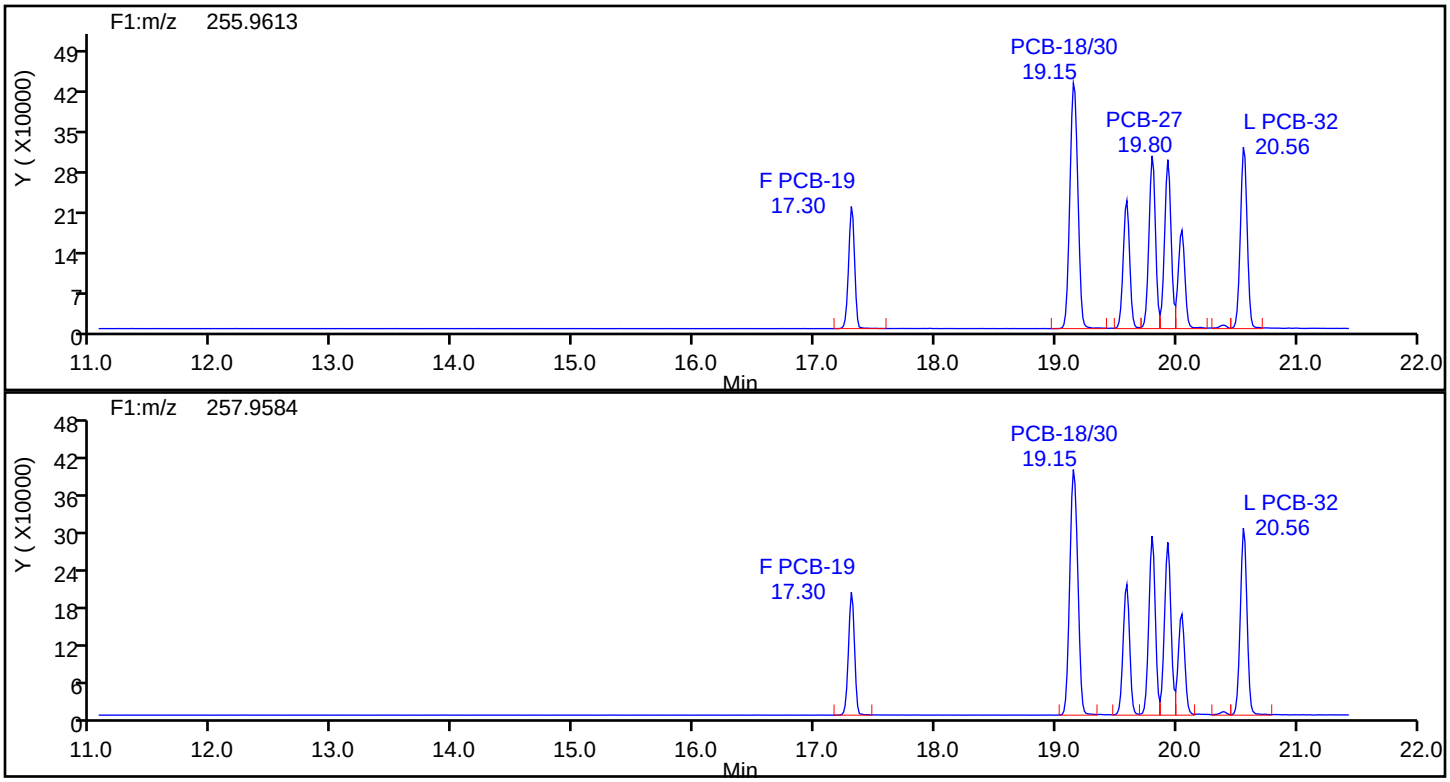
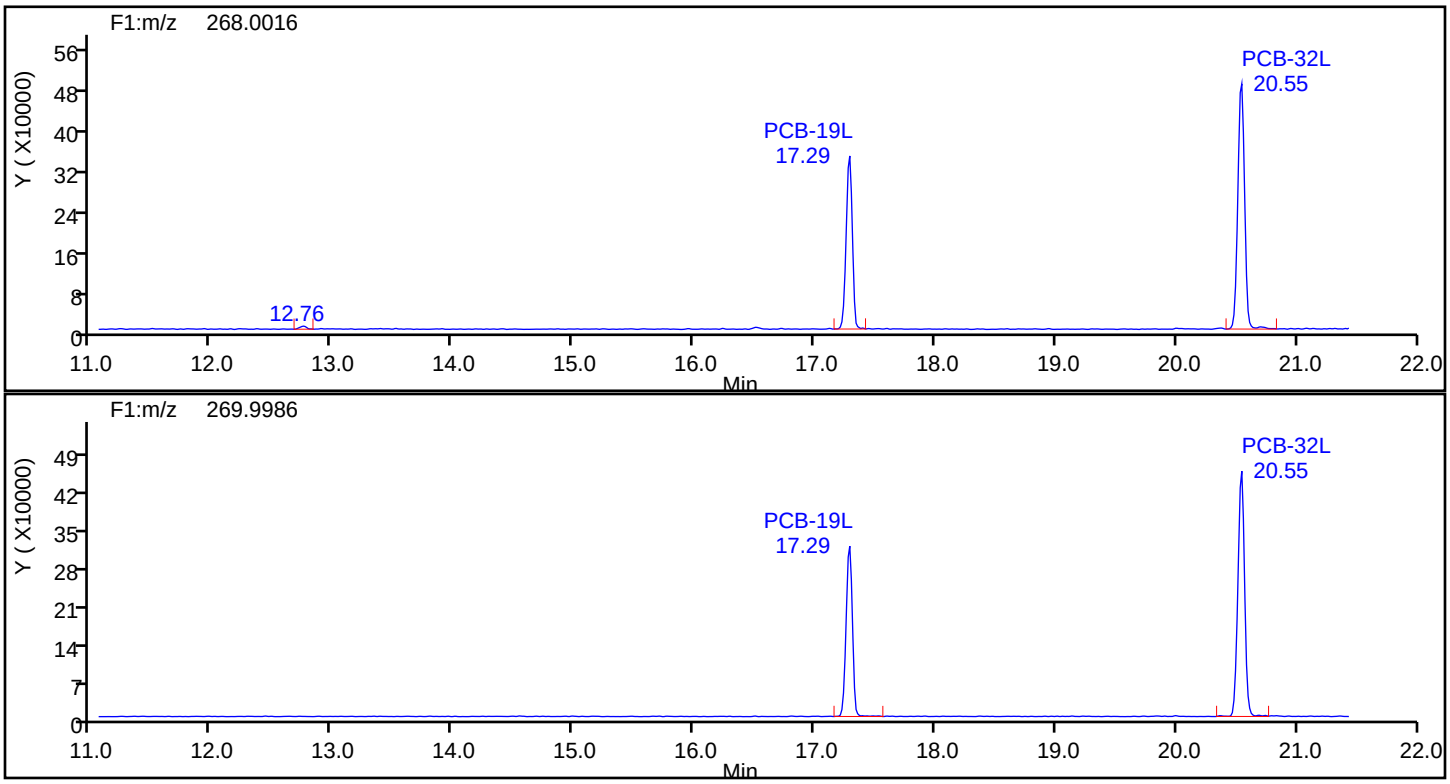
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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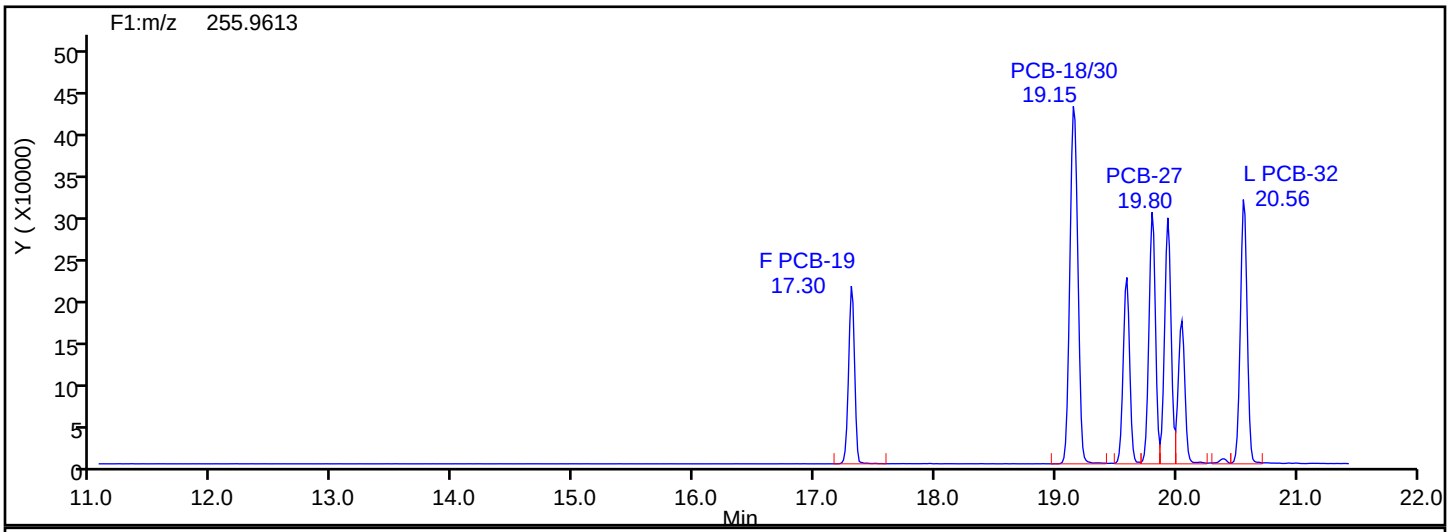
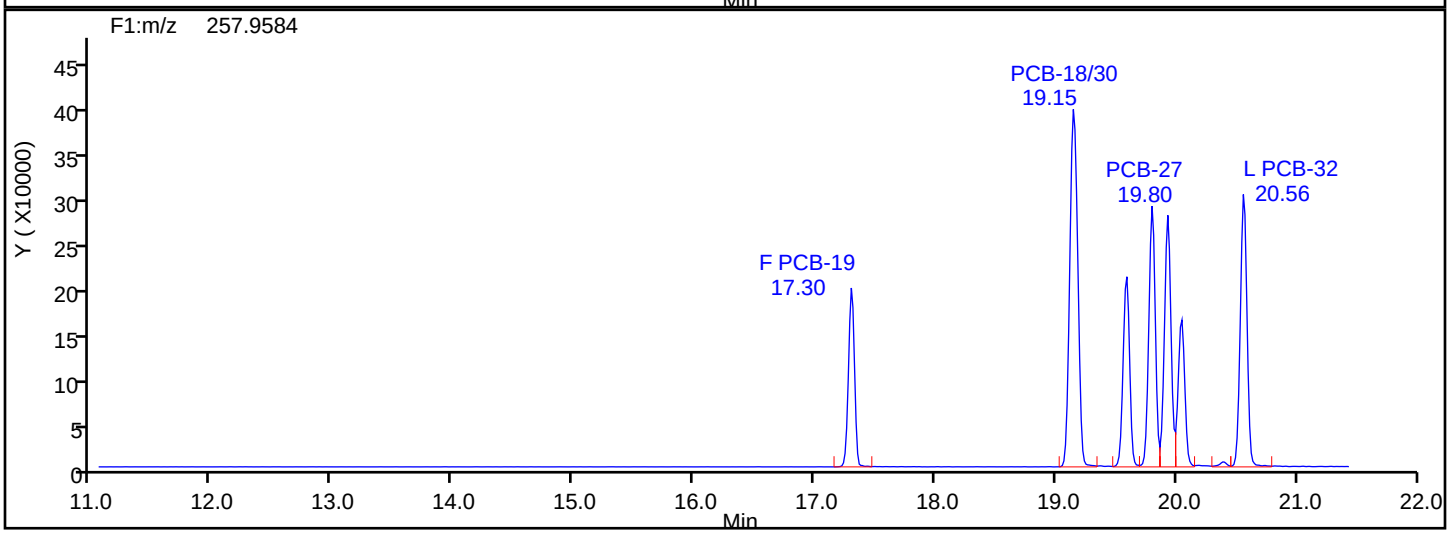
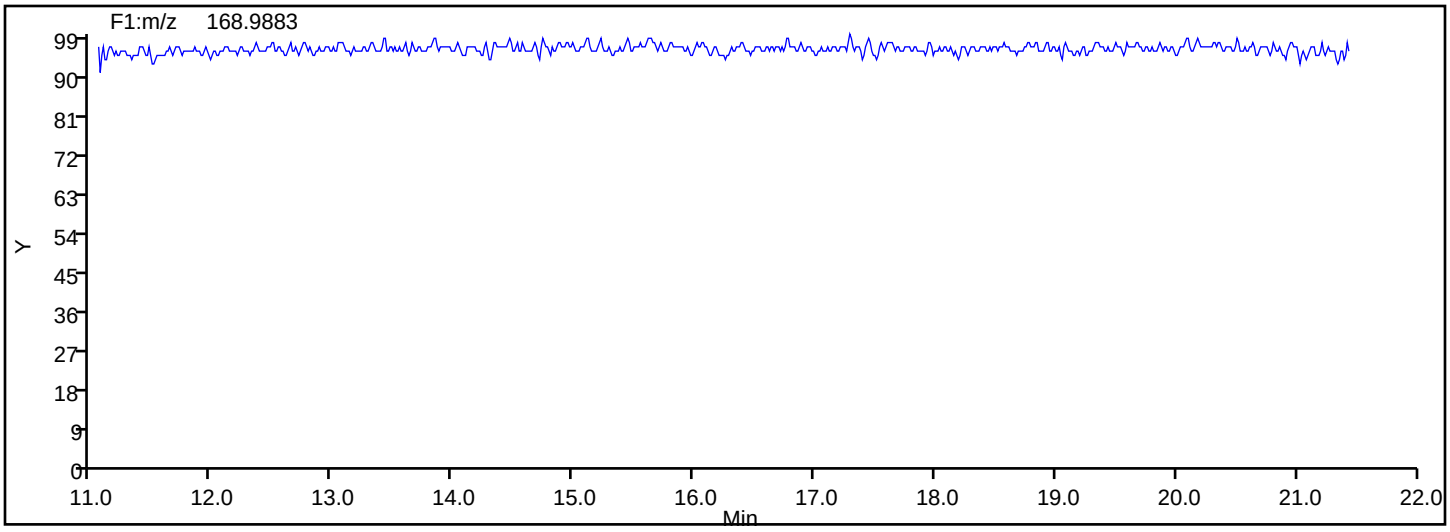
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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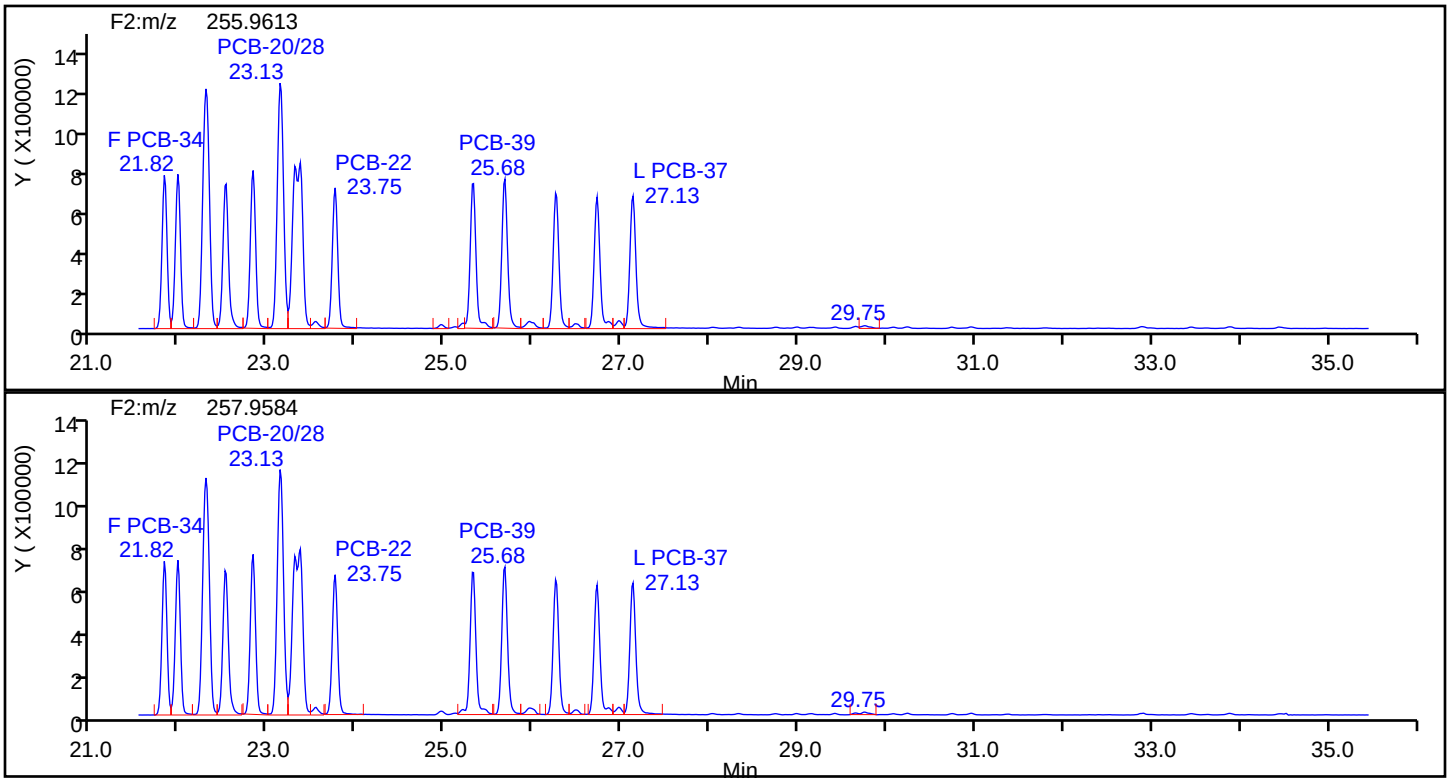
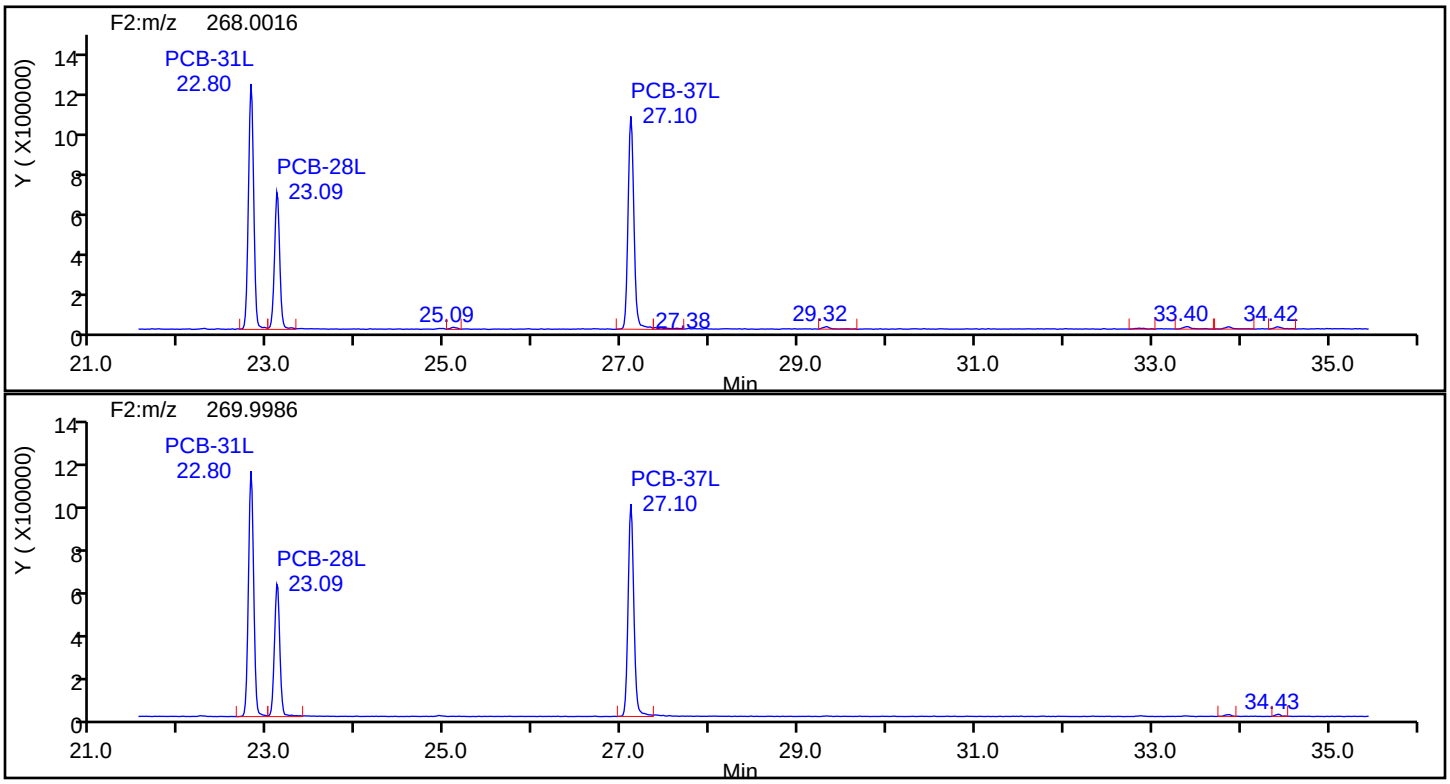
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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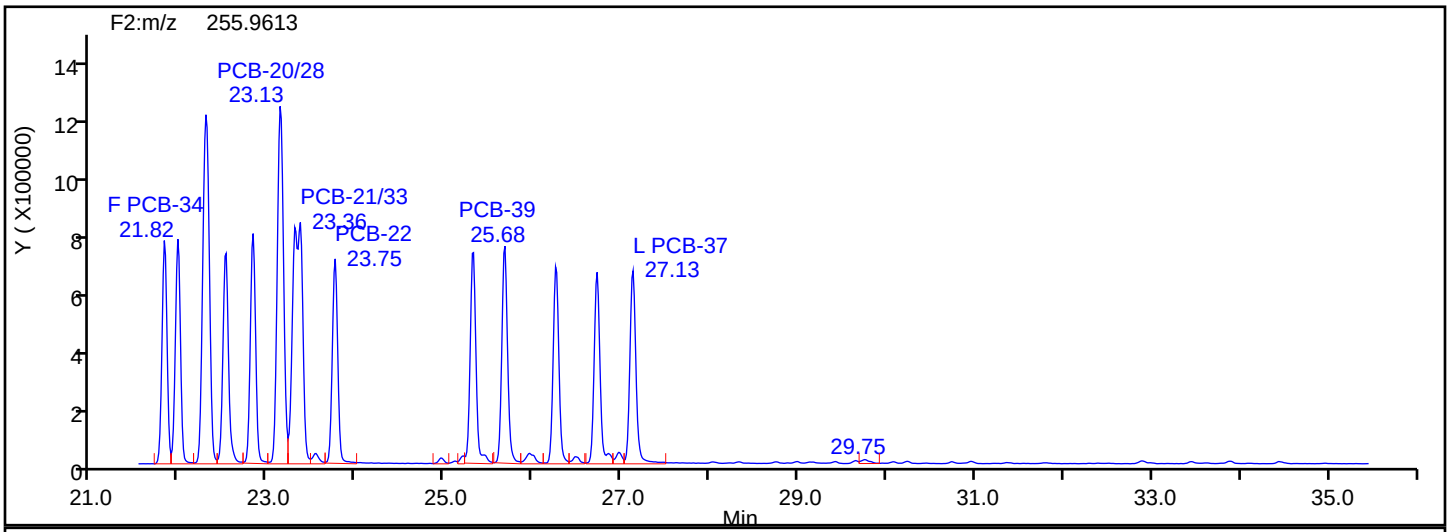
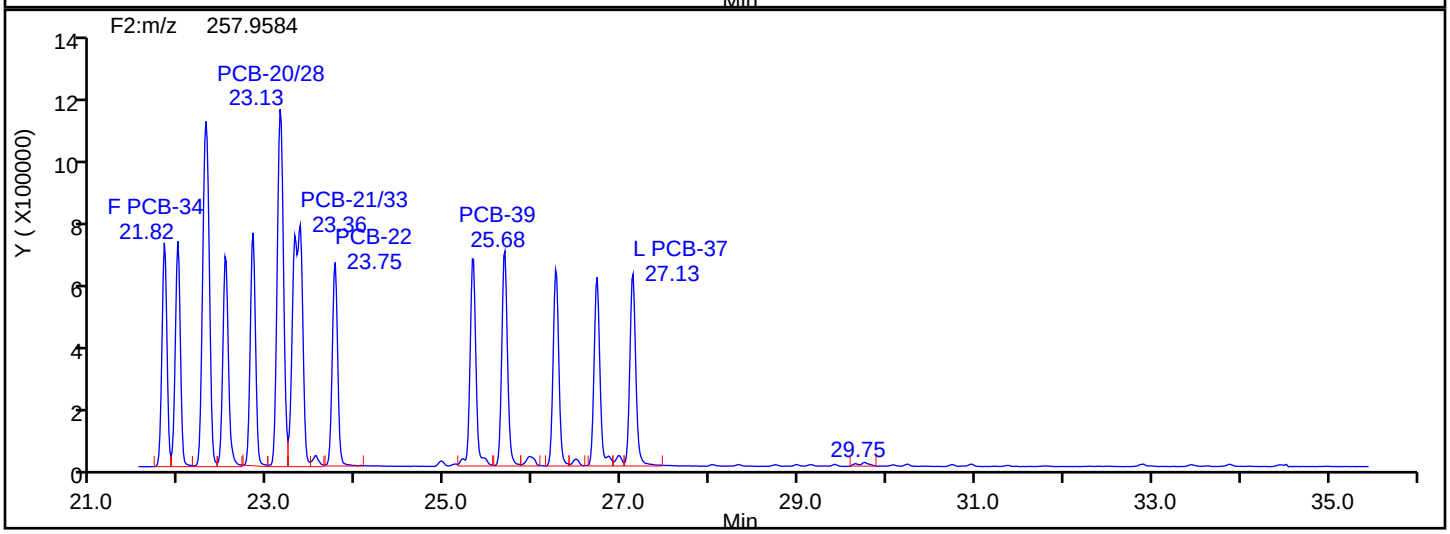
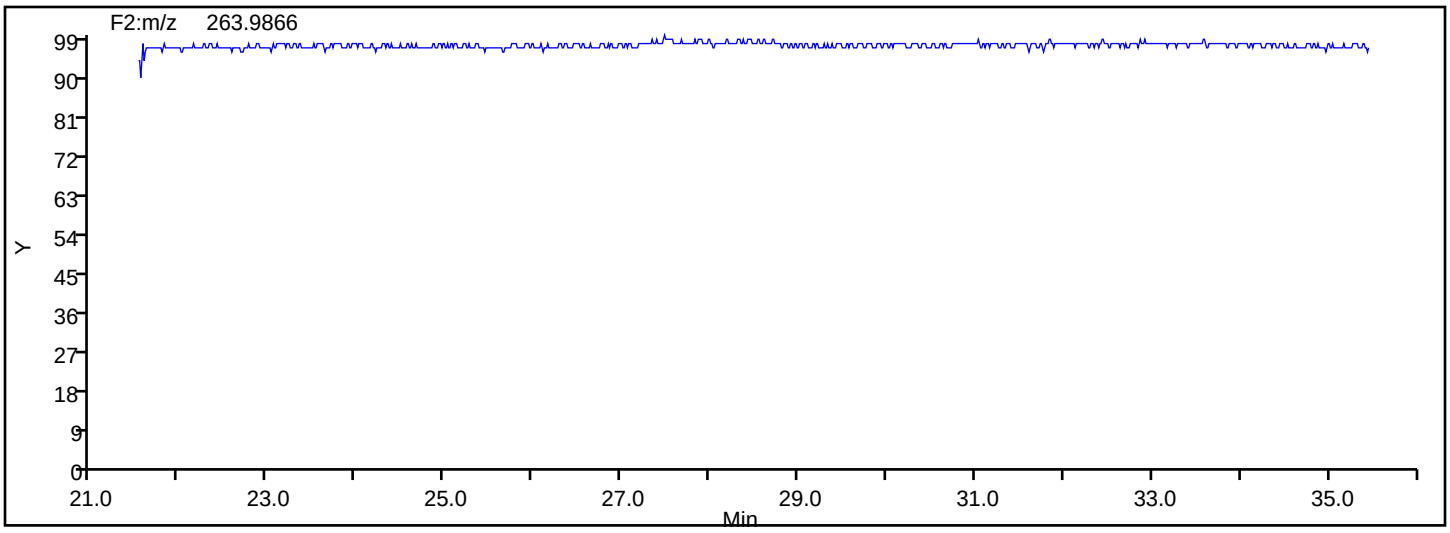
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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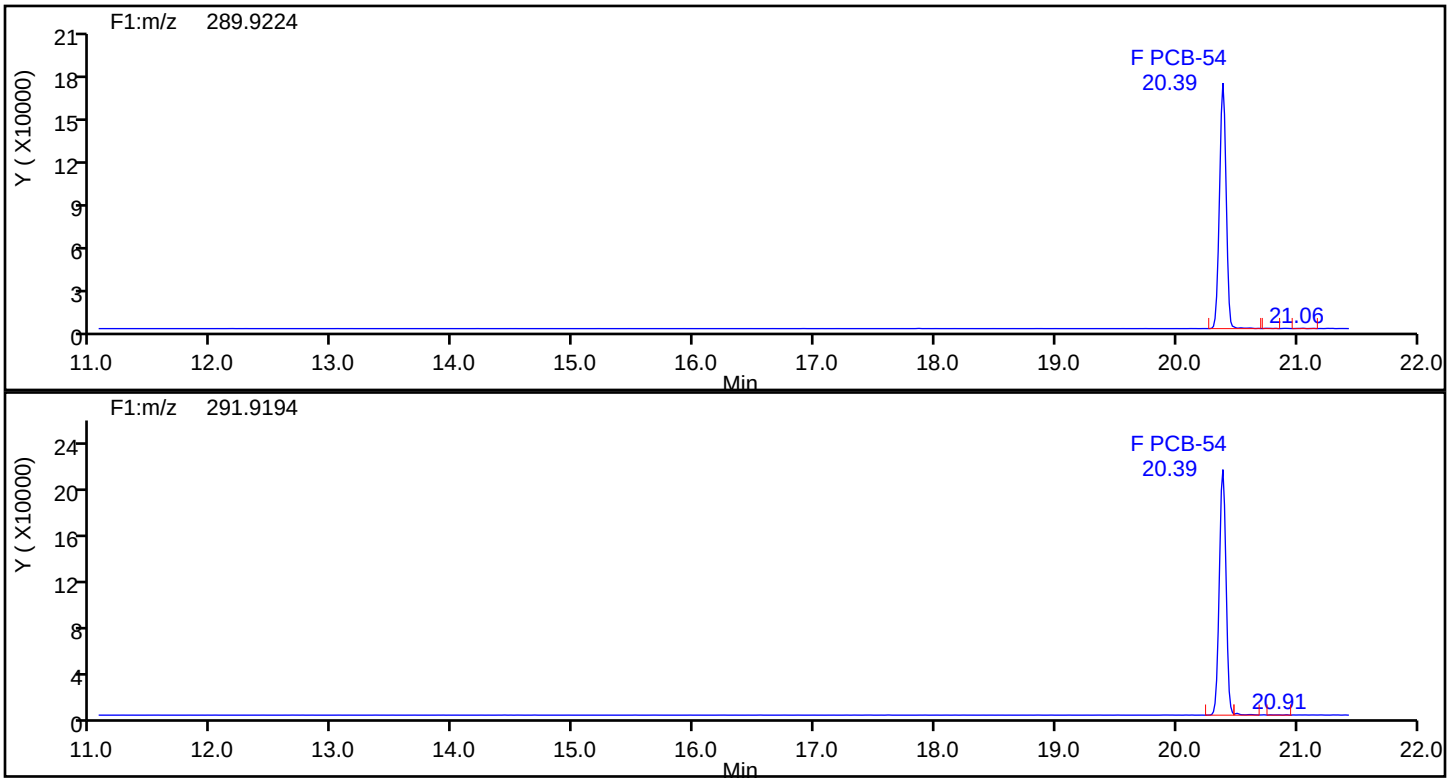
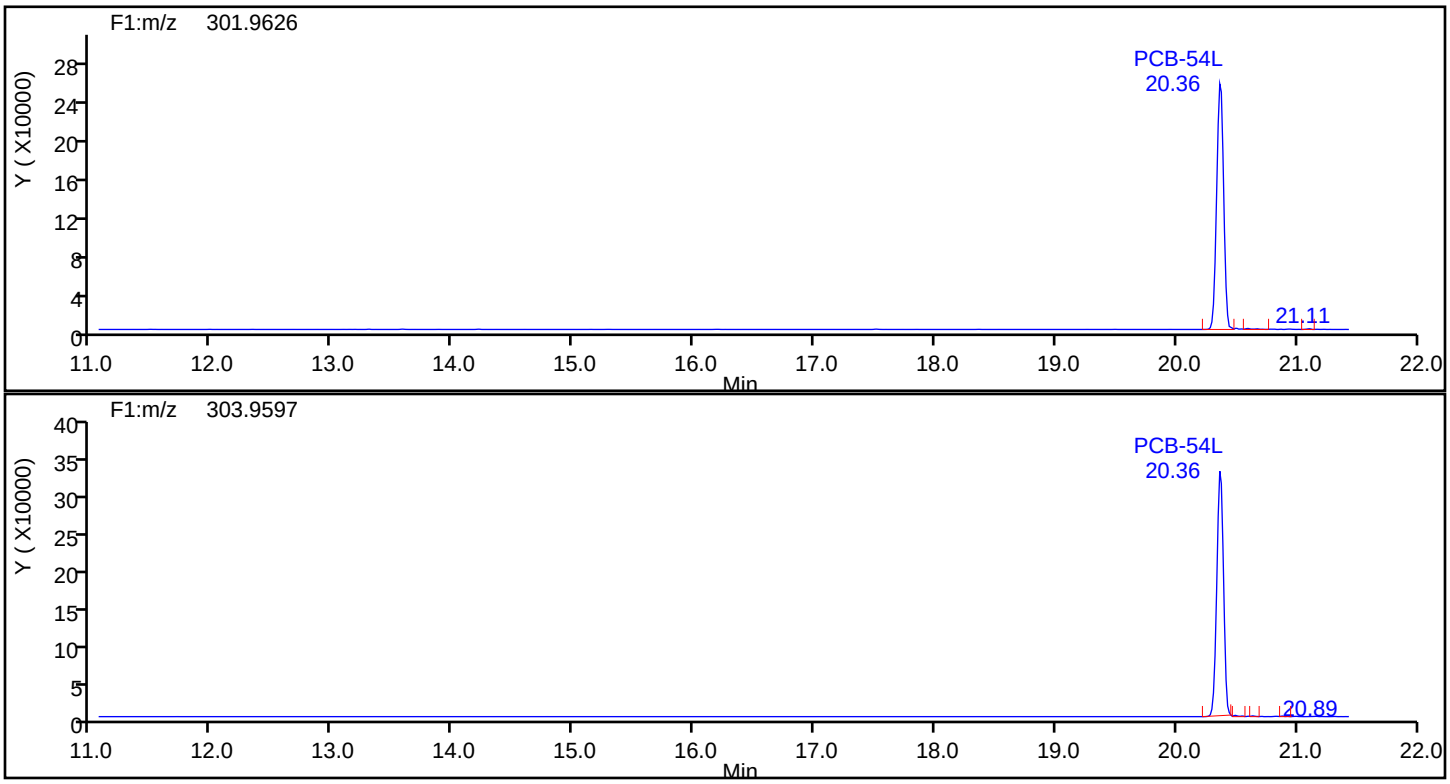
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

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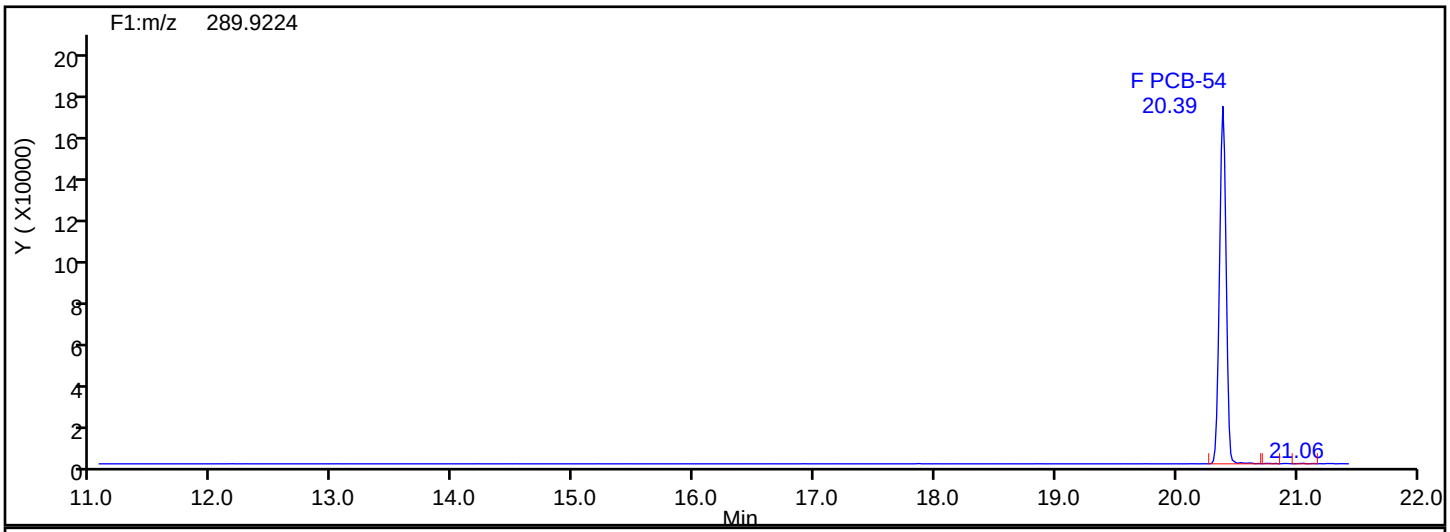
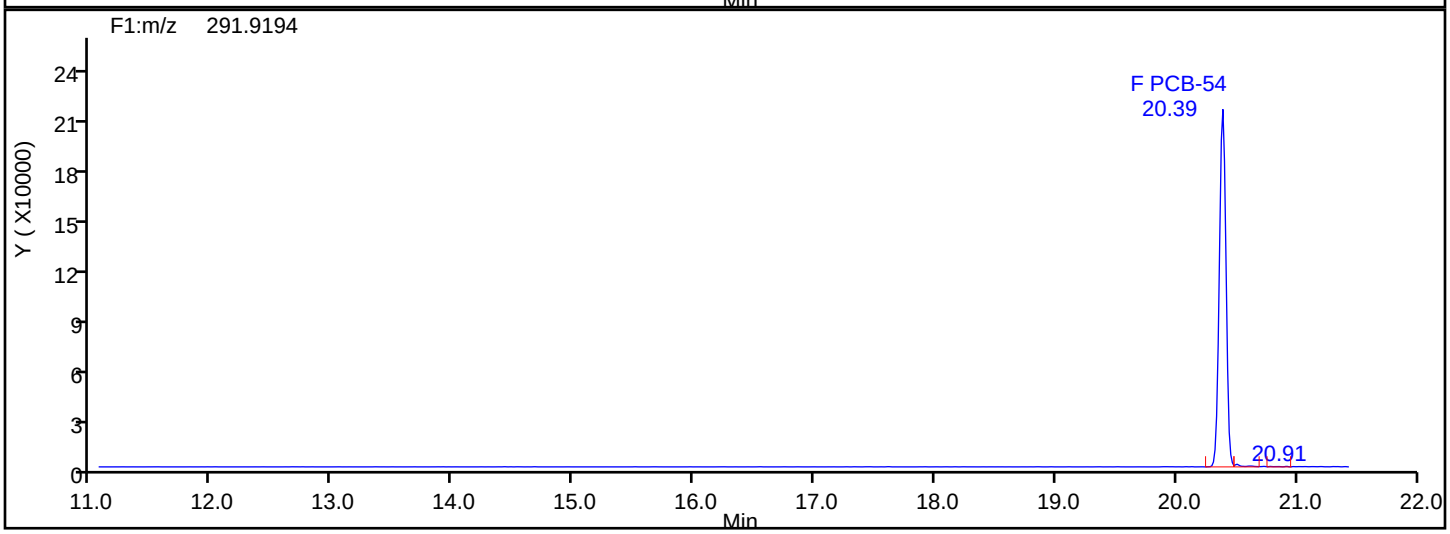
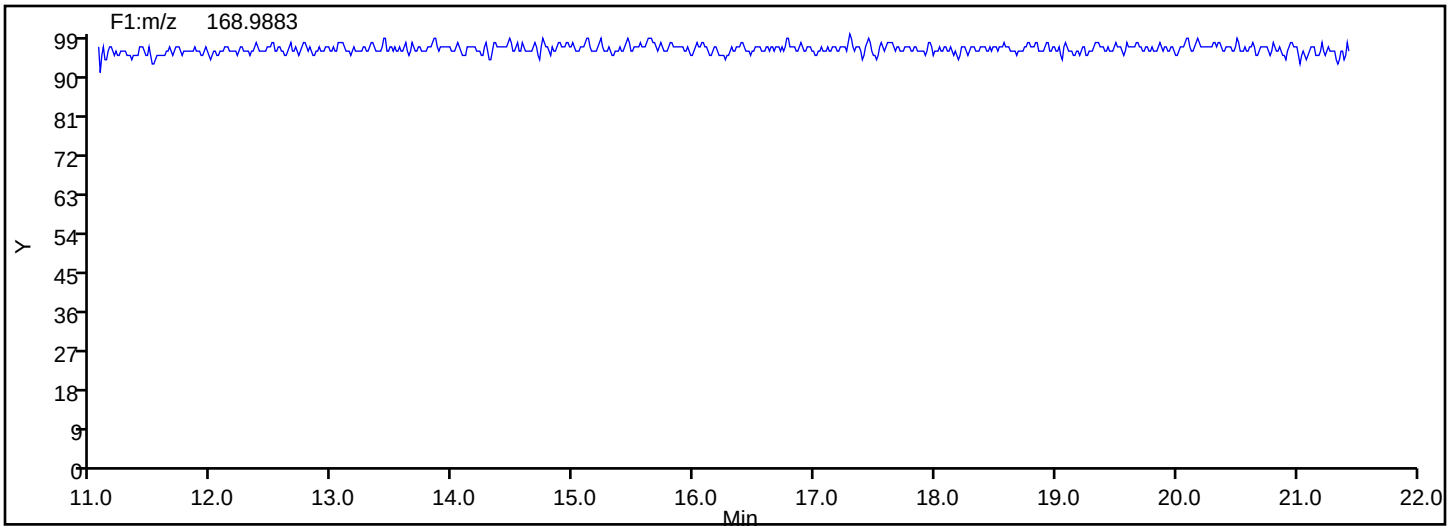
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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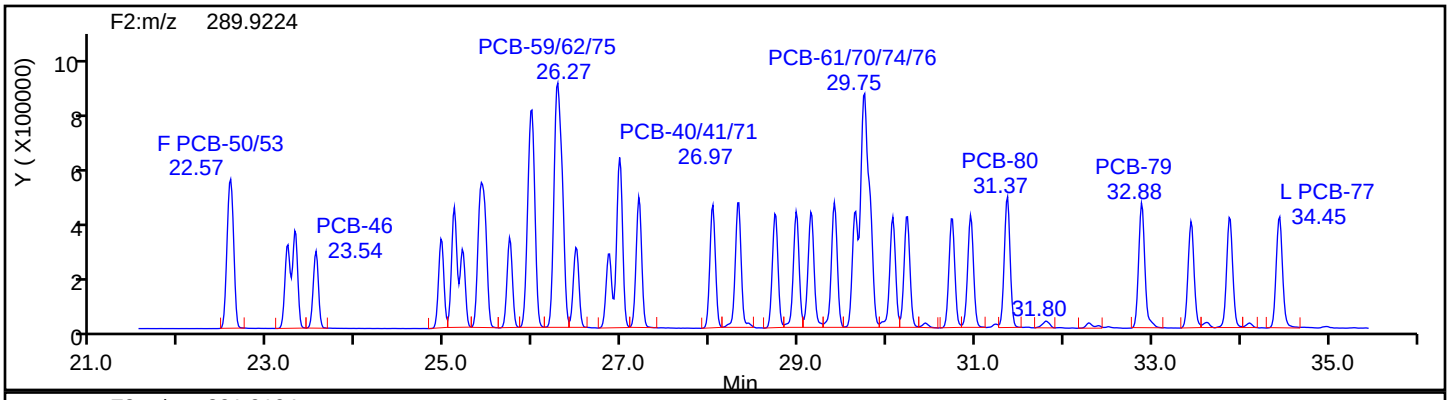
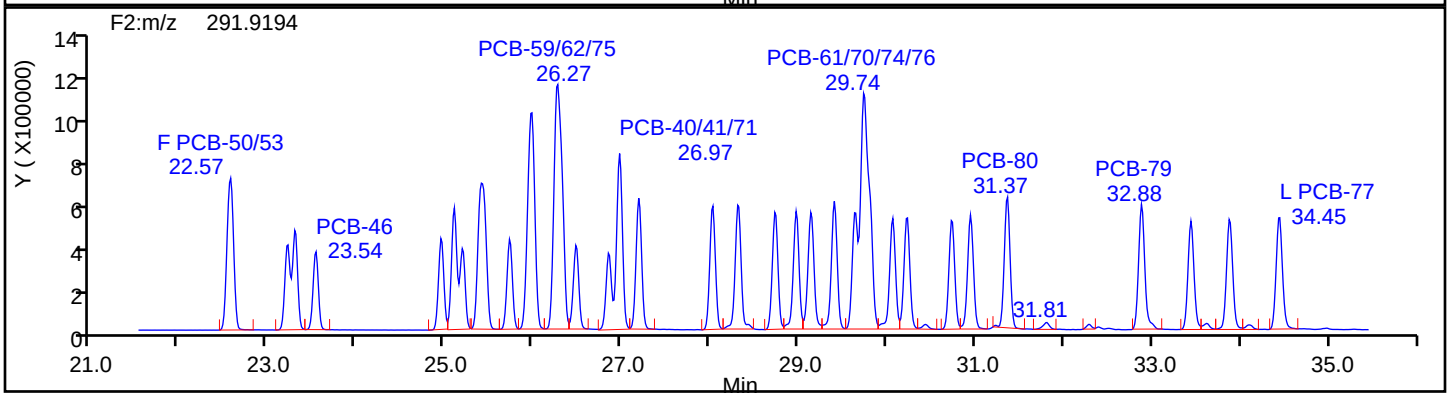
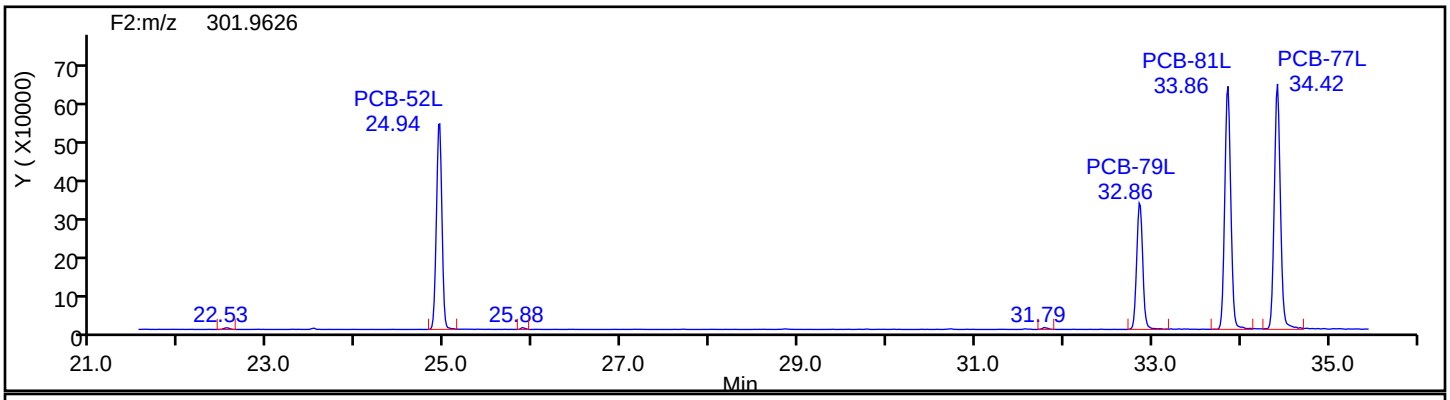
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

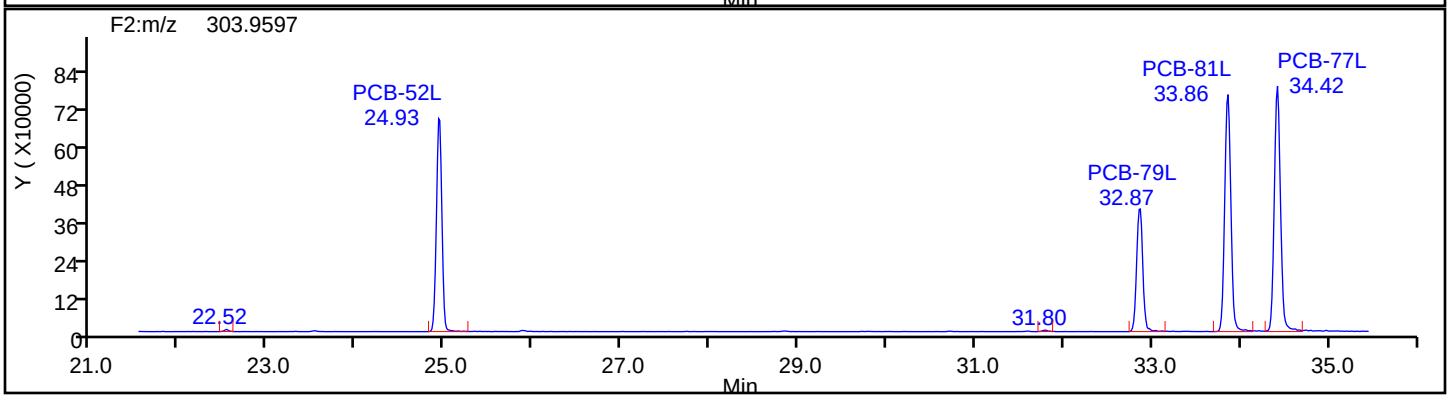
TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

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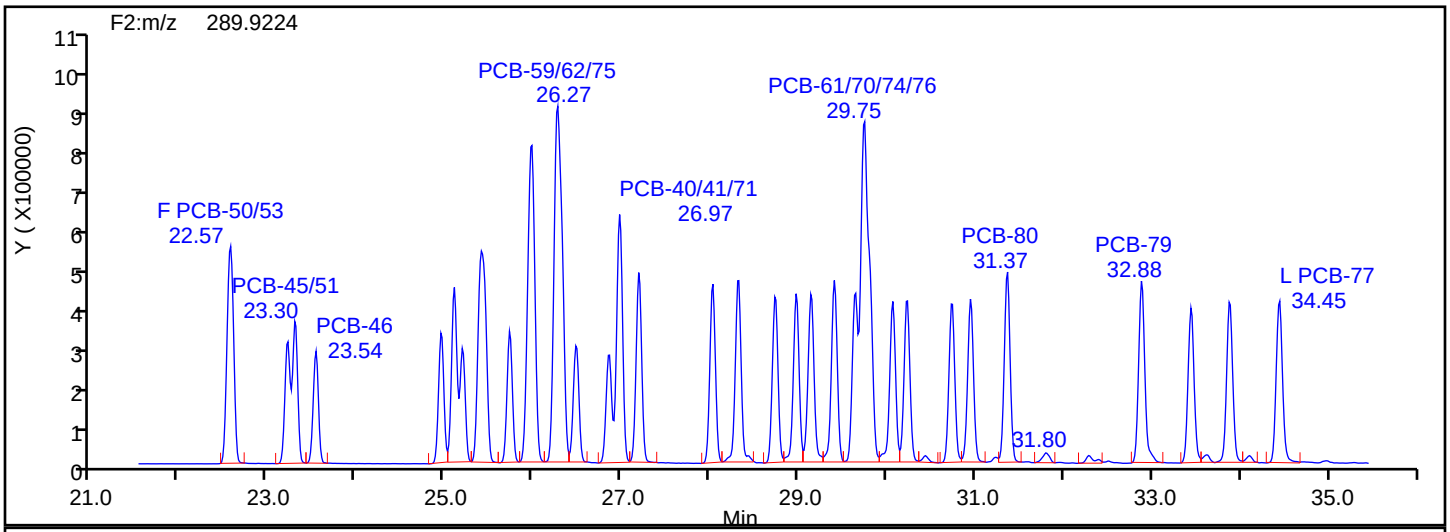
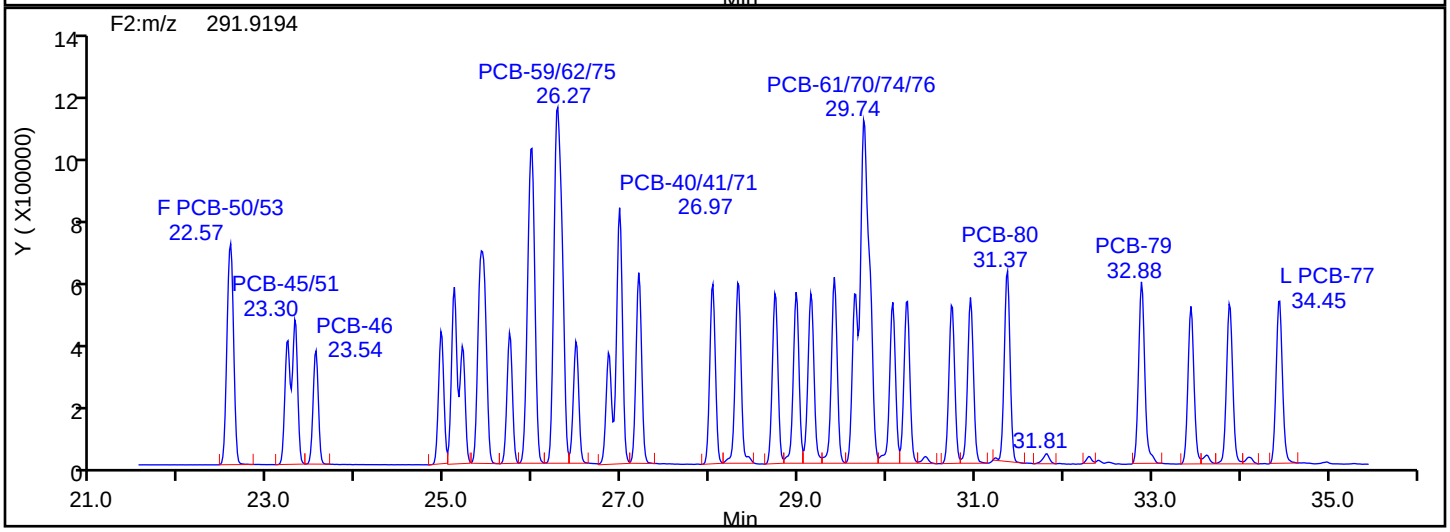
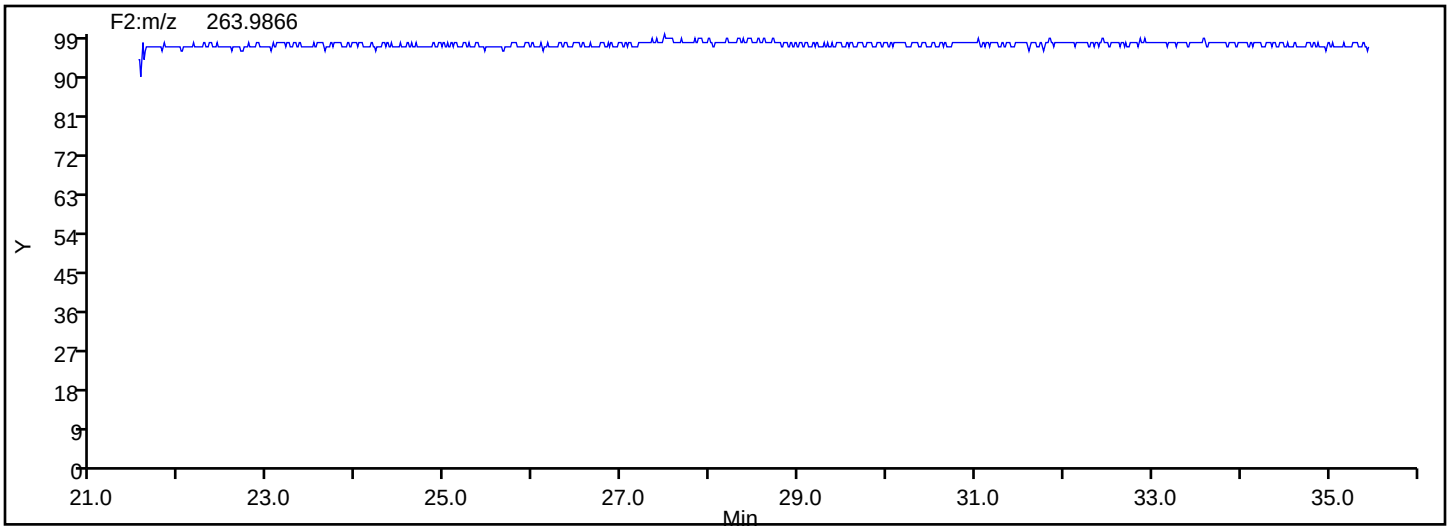
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

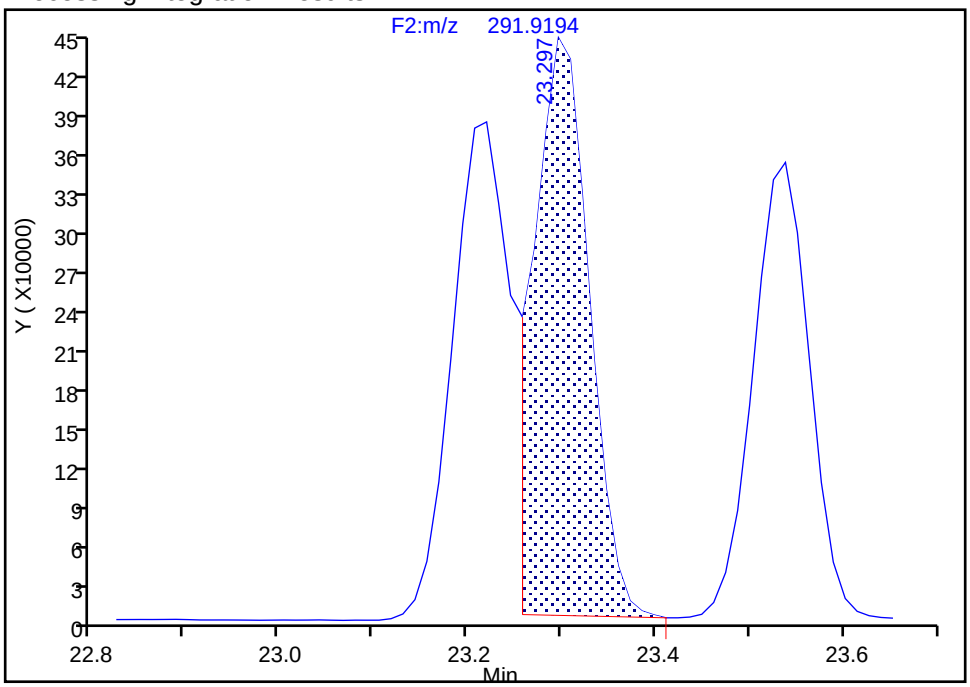
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

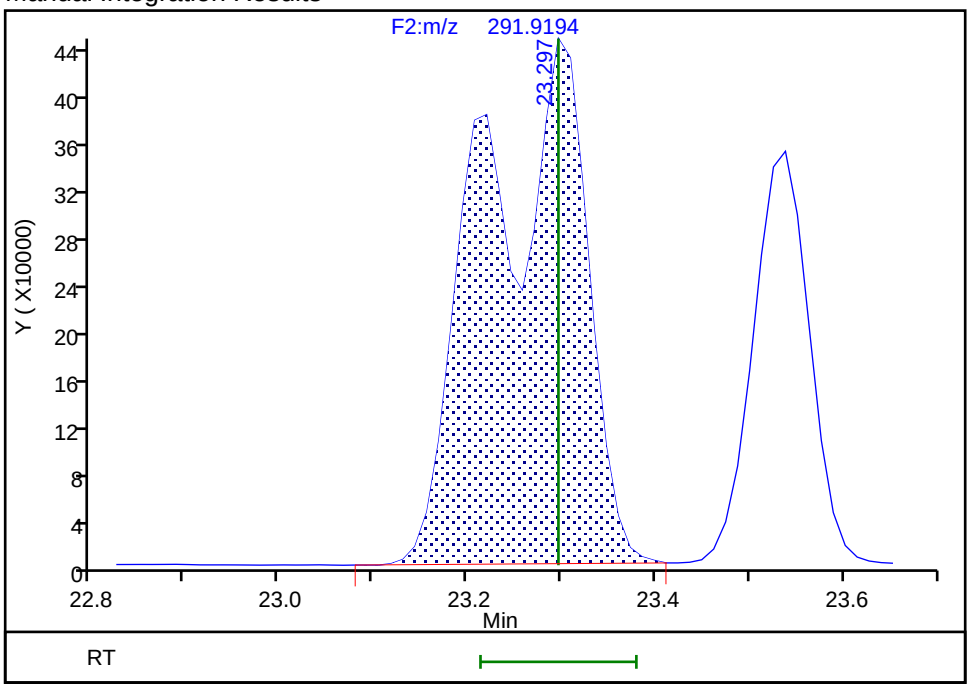
Processing Integration Results

RT: 23.30
Area: 1745142
Amount: 51.206299
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 3355535
Amount: 98.388432
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:23:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

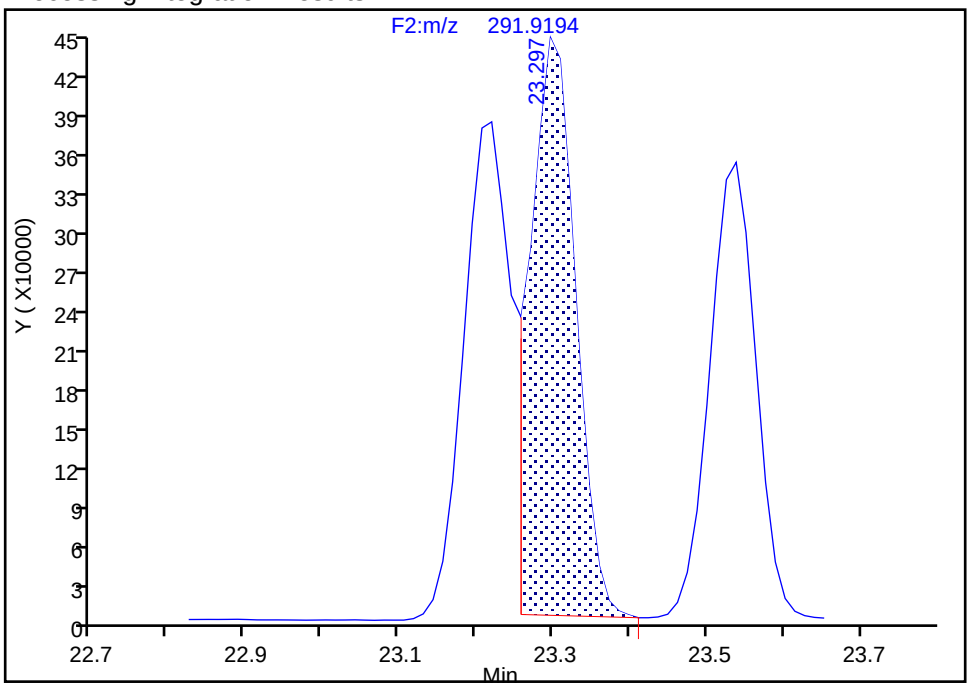
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Injection Date: 09-Oct-2019 13:16:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.30
Area: 3126446
Amount: 51.206299
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 6007193
Amount: 98.388432
Amount Units: pg/ul
Reviewer: davidsonm, 09-Oct-2019 14:23:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

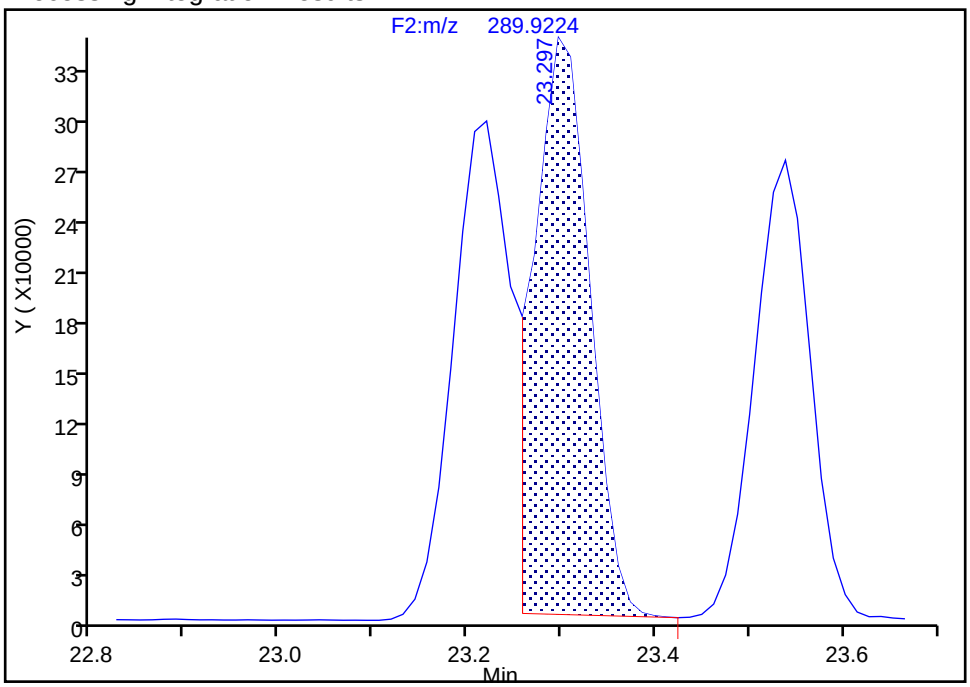
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

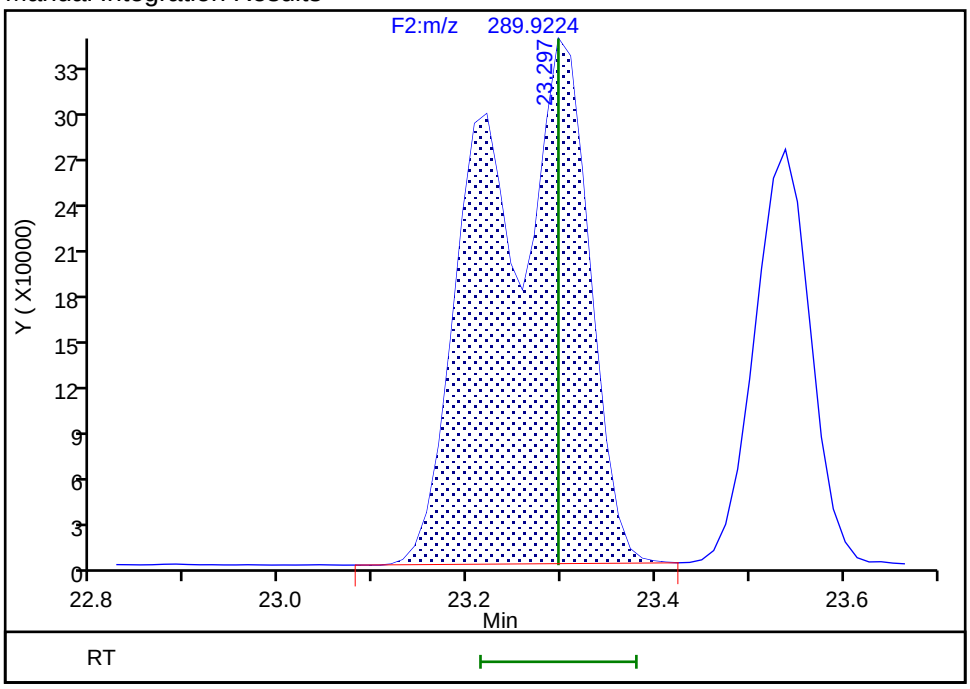
Processing Integration Results

RT: 23.30
Area: 1381304
Amount: 51.206299
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 2651658
Amount: 98.388432
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:23:56

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

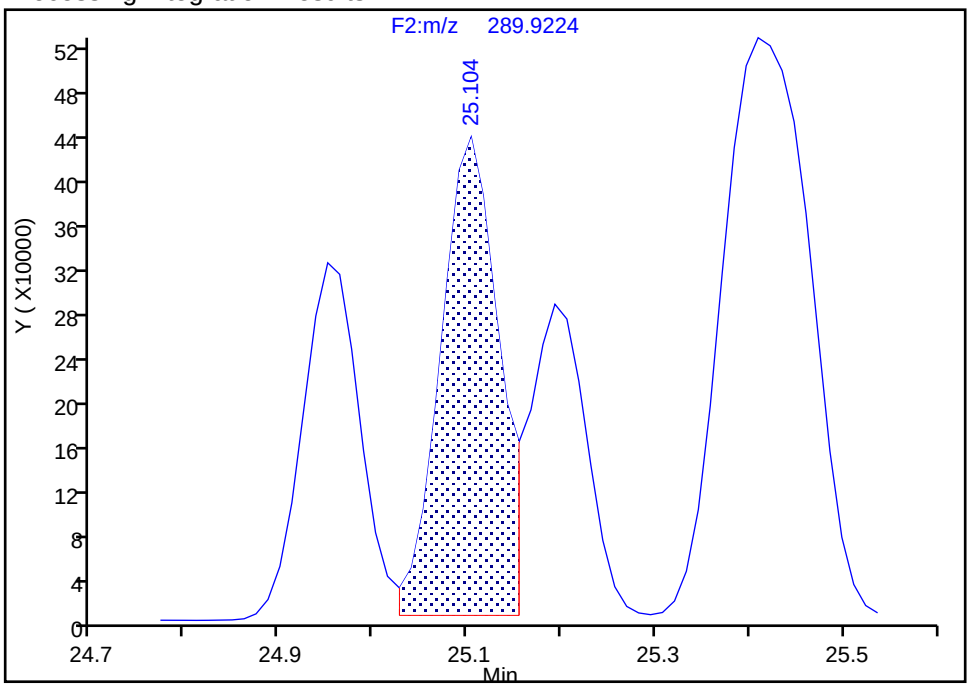
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

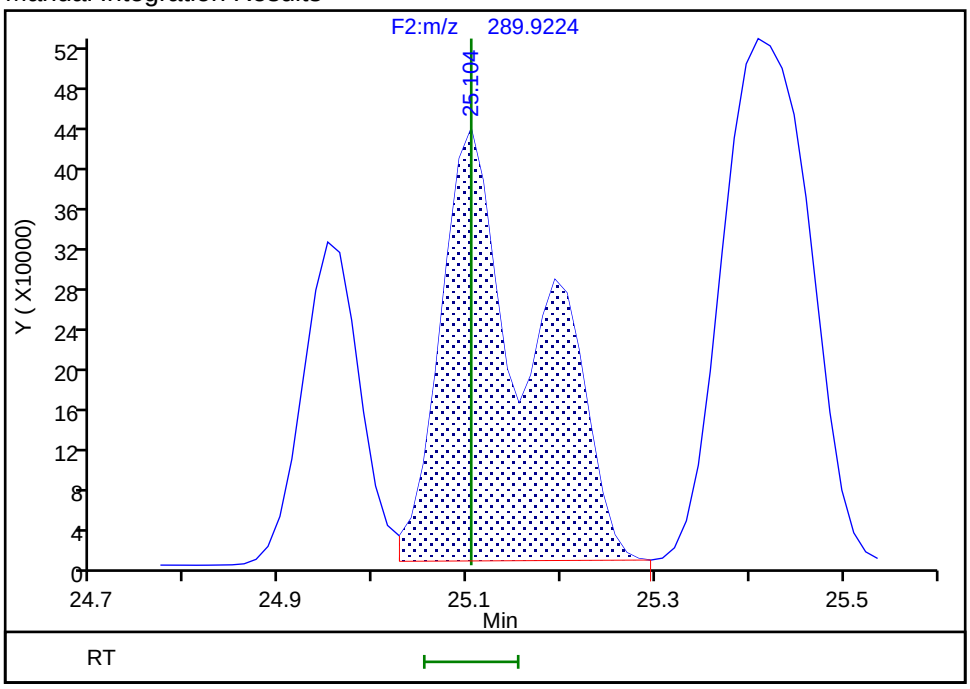
Processing Integration Results

RT: 25.10
Area: 1819743
Amount: 59.591498
Amount Units: pg/ul




Manual Integration Results

RT: 25.10
Area: 2960116
Amount: 97.551891
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:24:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

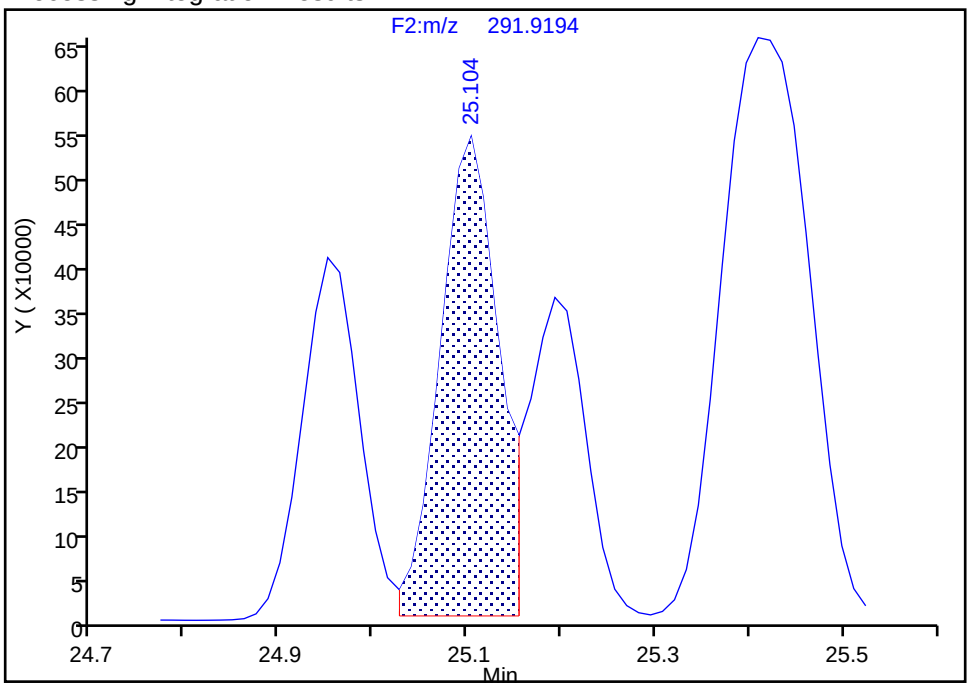
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

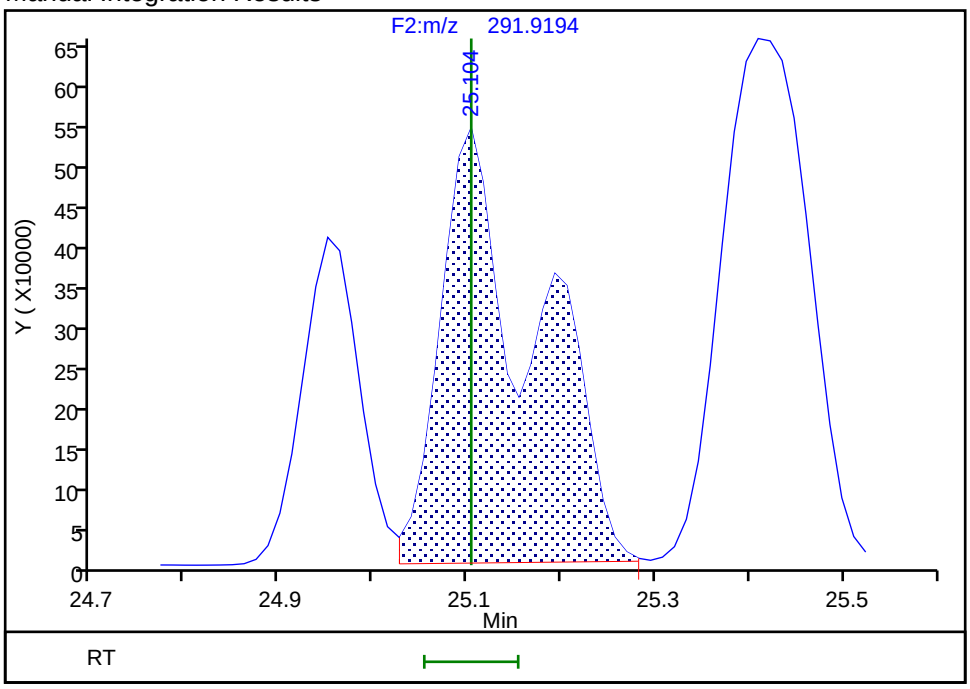
Processing Integration Results

RT: 25.10
Area: 2288637
Amount: 59.591498
Amount Units: pg/ul




Manual Integration Results

RT: 25.10
Area: 3765344
Amount: 97.551891
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:24:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

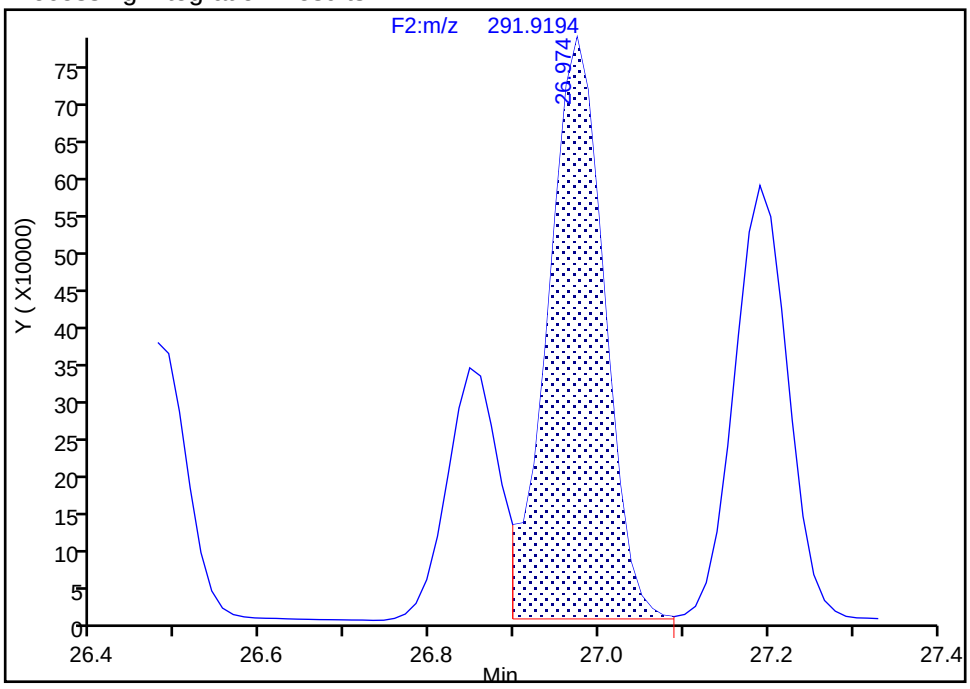
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

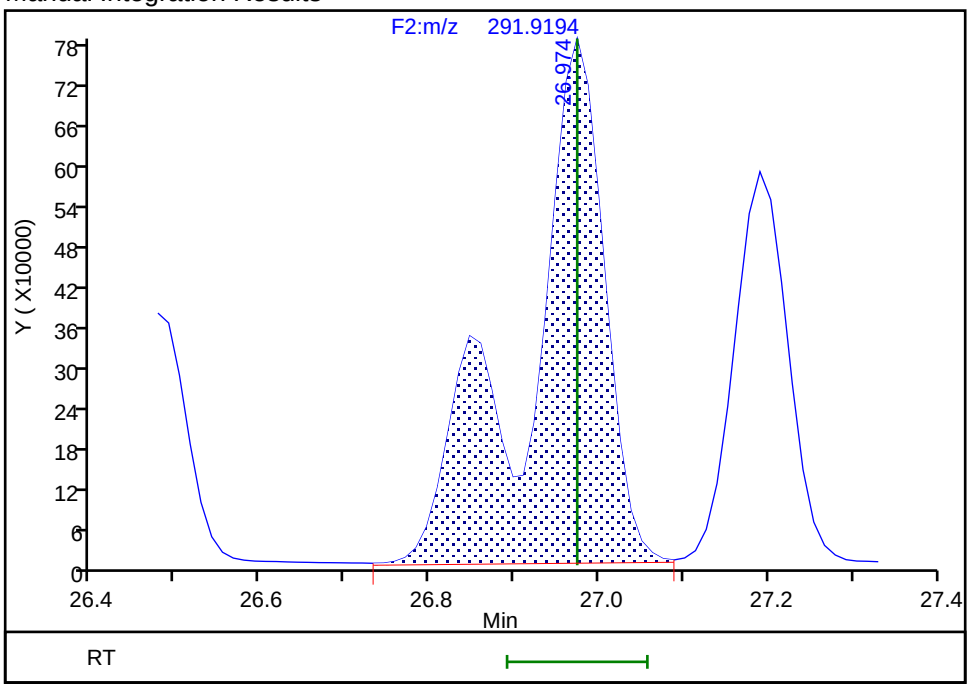
Processing Integration Results

RT: 26.97
Area: 3590794
Amount: 100.4306
Amount Units: pg/ul




Manual Integration Results

RT: 26.97
Area: 5042517
Amount: 142.6648
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:24:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

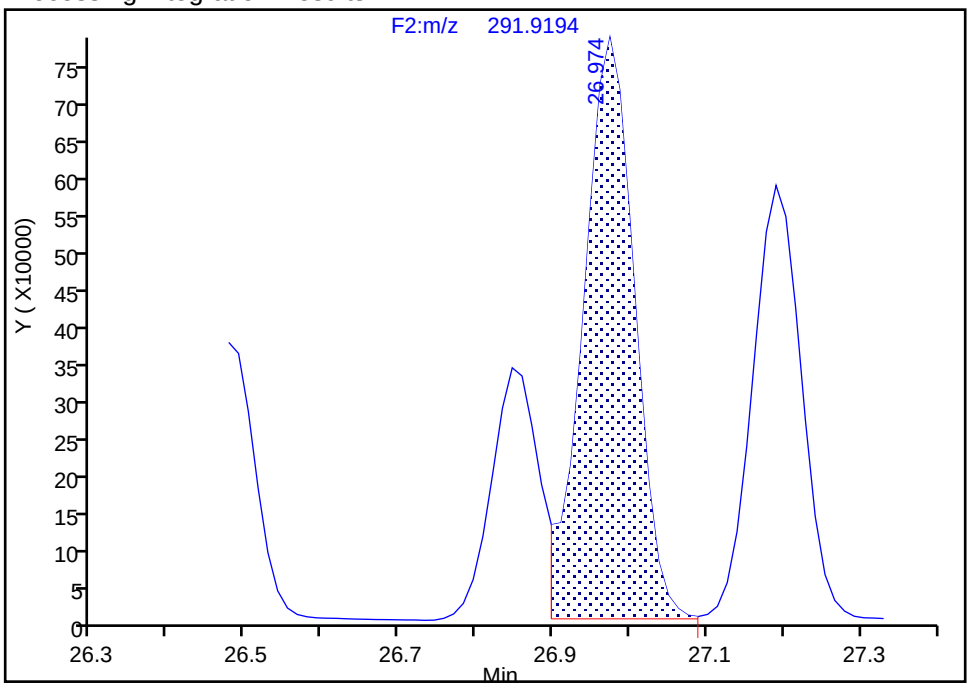
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Injection Date: 09-Oct-2019 13:16:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.97
Area: 6359617
Amount: 100.4306
Amount Units: pg/ul




Manual Integration Results

RT: 26.97
Area: 9034032
Amount: 142.6648
Amount Units: pg/ul
Reviewer: davidsonm, 09-Oct-2019 14:24:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

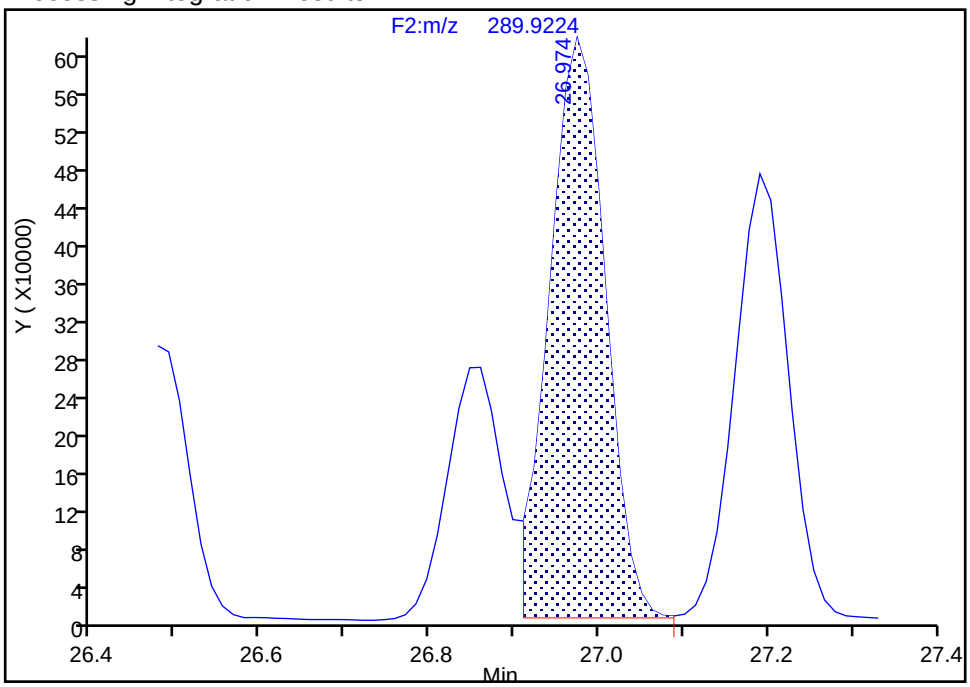
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

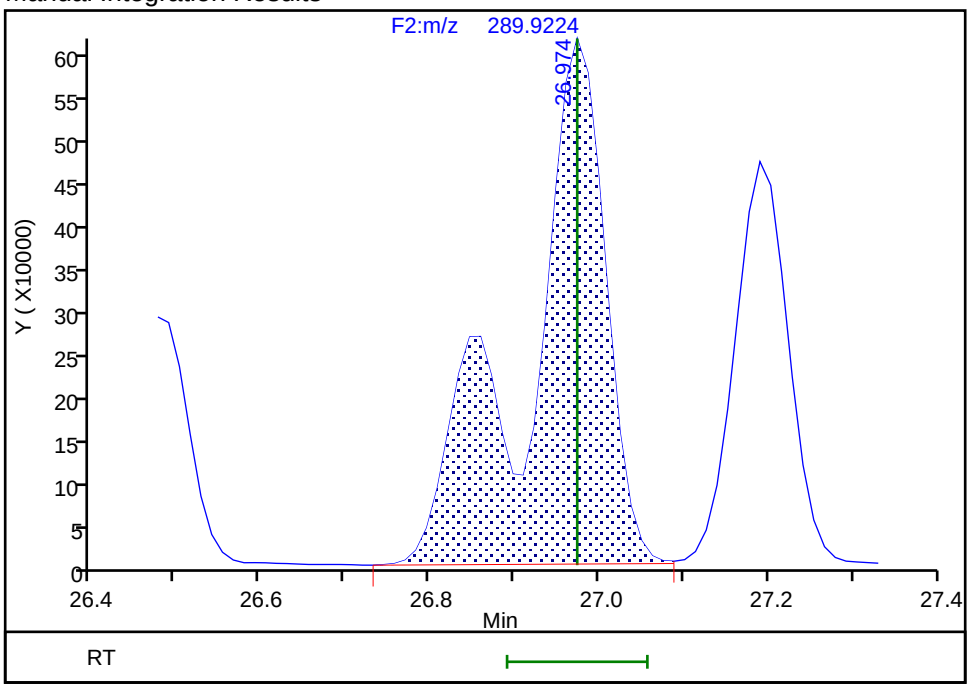
Processing Integration Results

RT: 26.97
Area: 2768823
Amount: 100.4306
Amount Units: pg/ul




Manual Integration Results

RT: 26.97
Area: 3991515
Amount: 142.6648
Amount Units: pg/ul



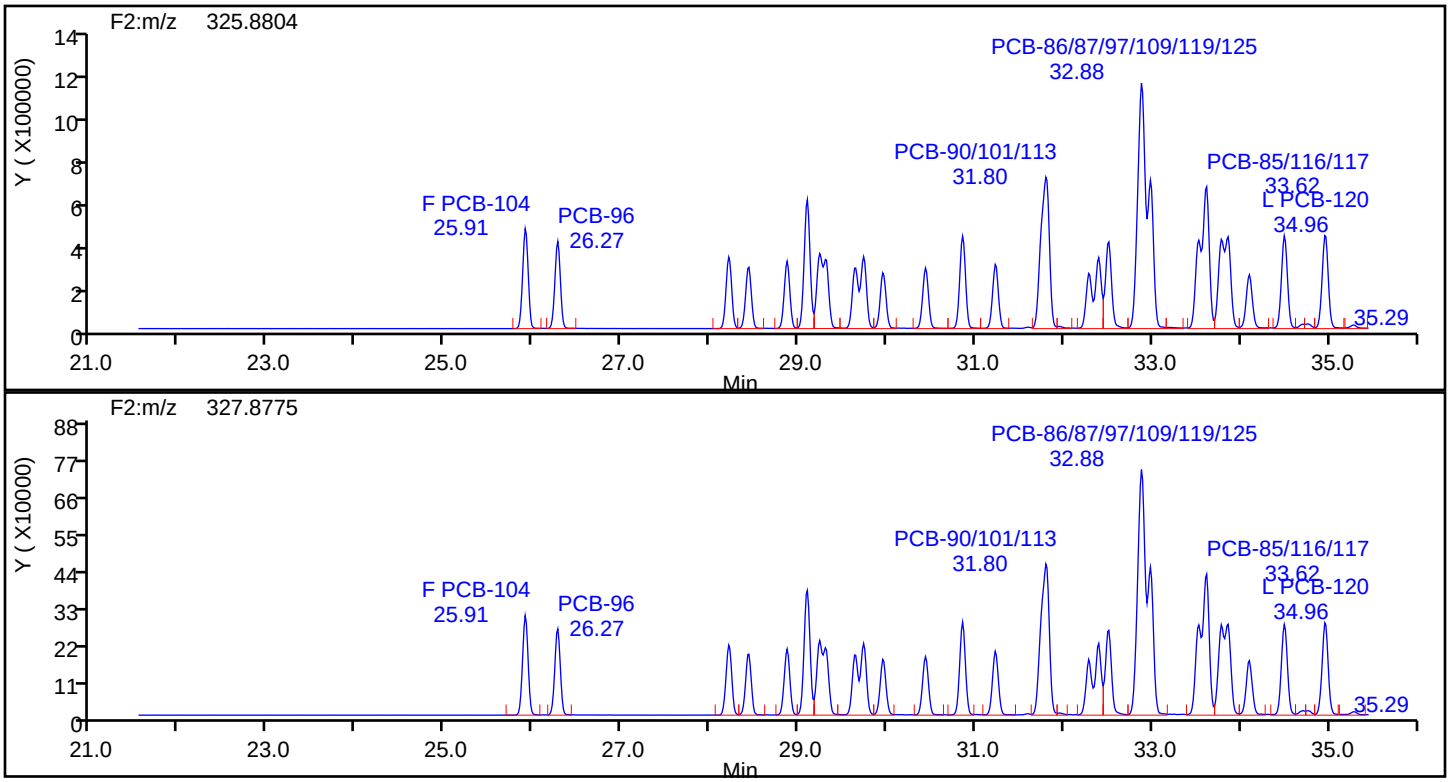

Reviewer: davidsonm, 09-Oct-2019 14:24:56

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

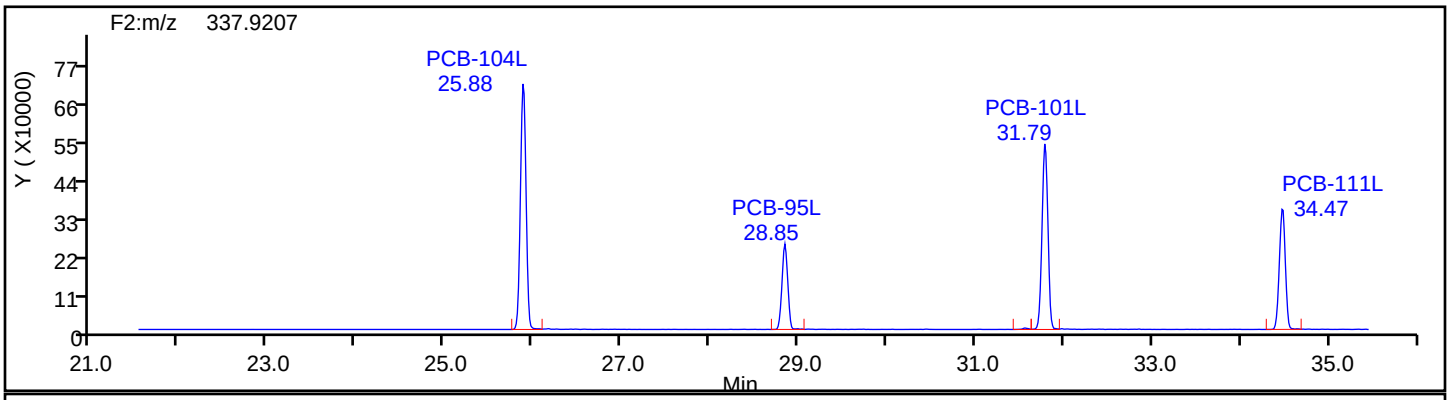
PePCB F2

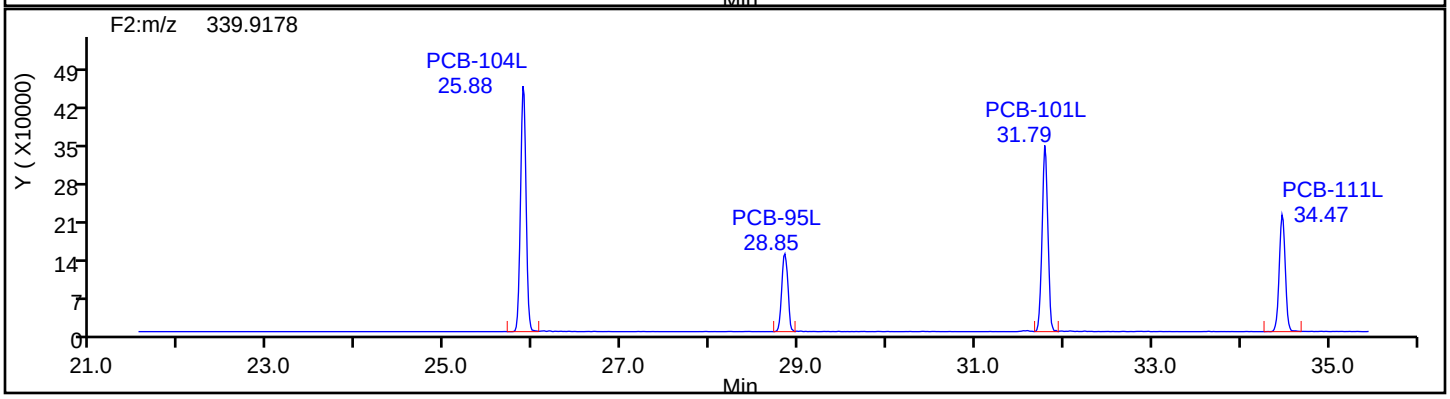






PePCB F2 Standards

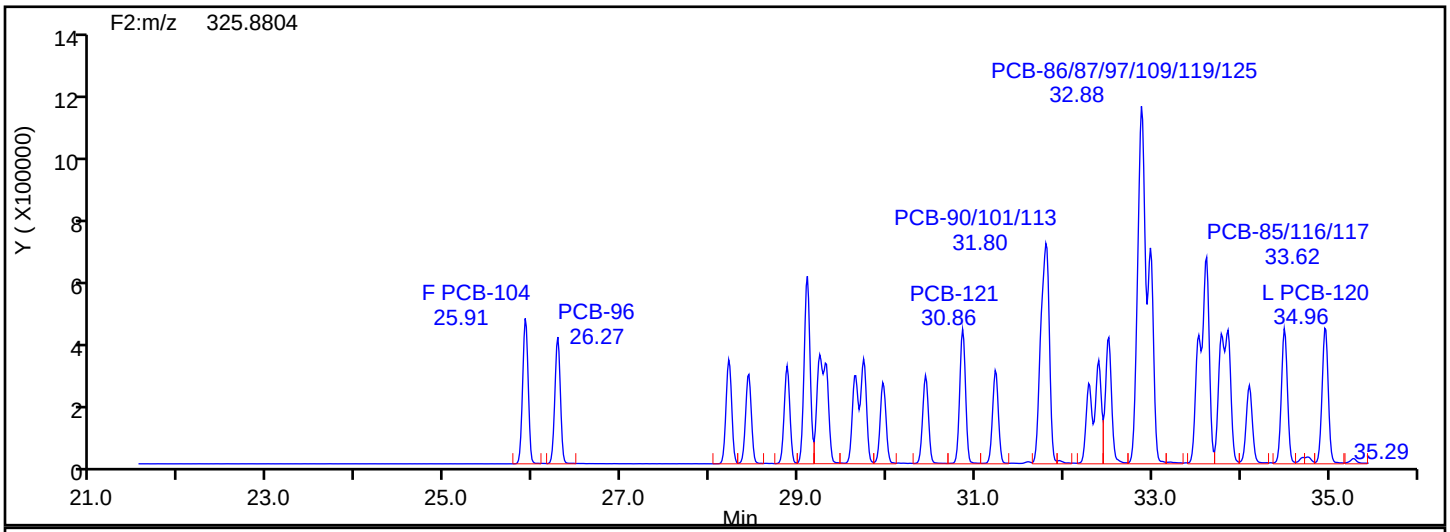


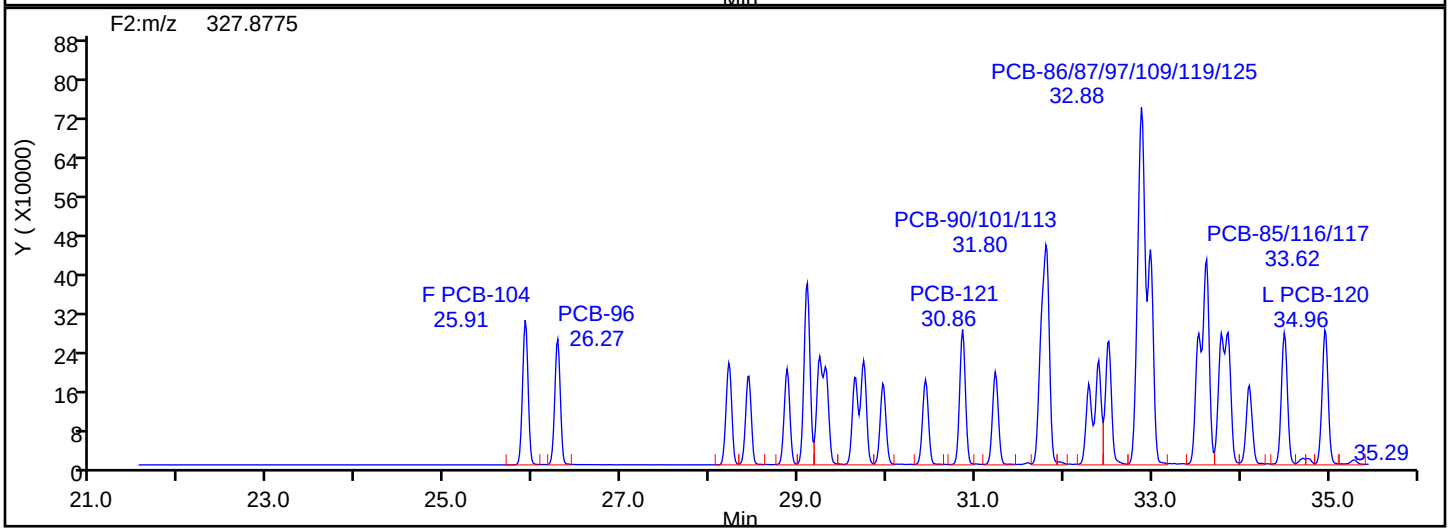



Eurofins TestAmerica, Knoxville

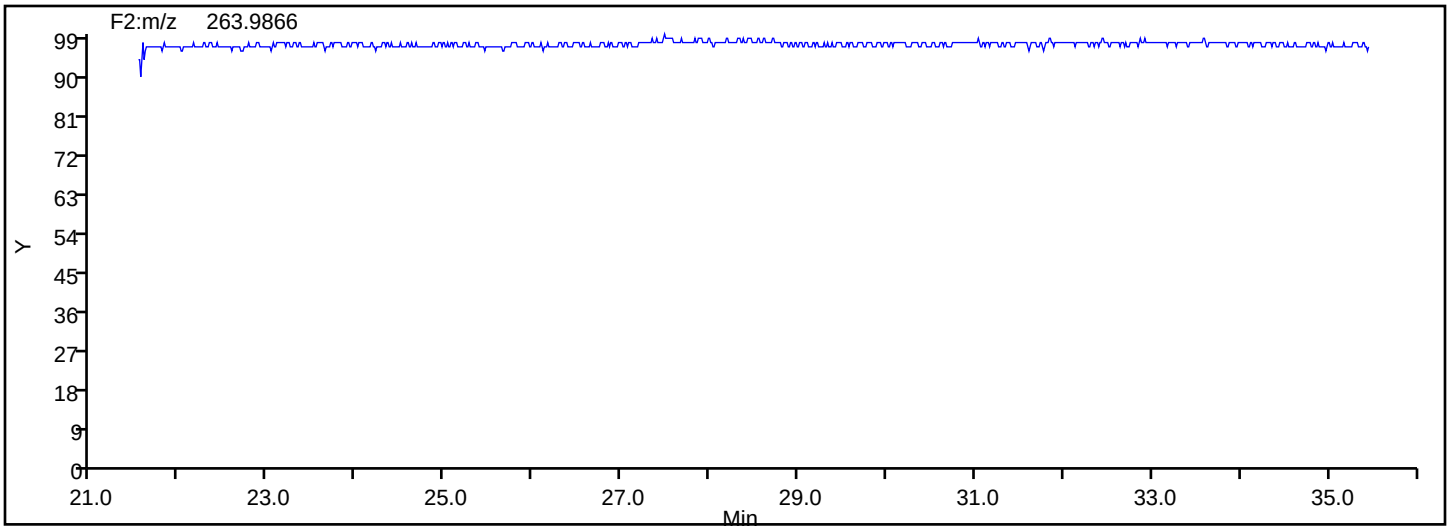
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

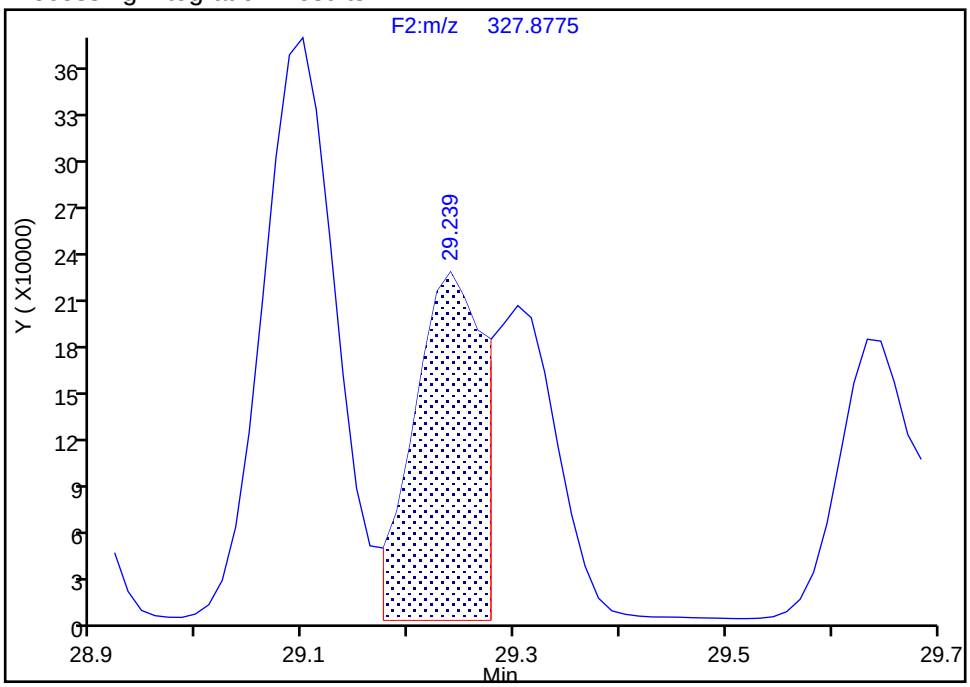
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Injection Date: 09-Oct-2019 13:16:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

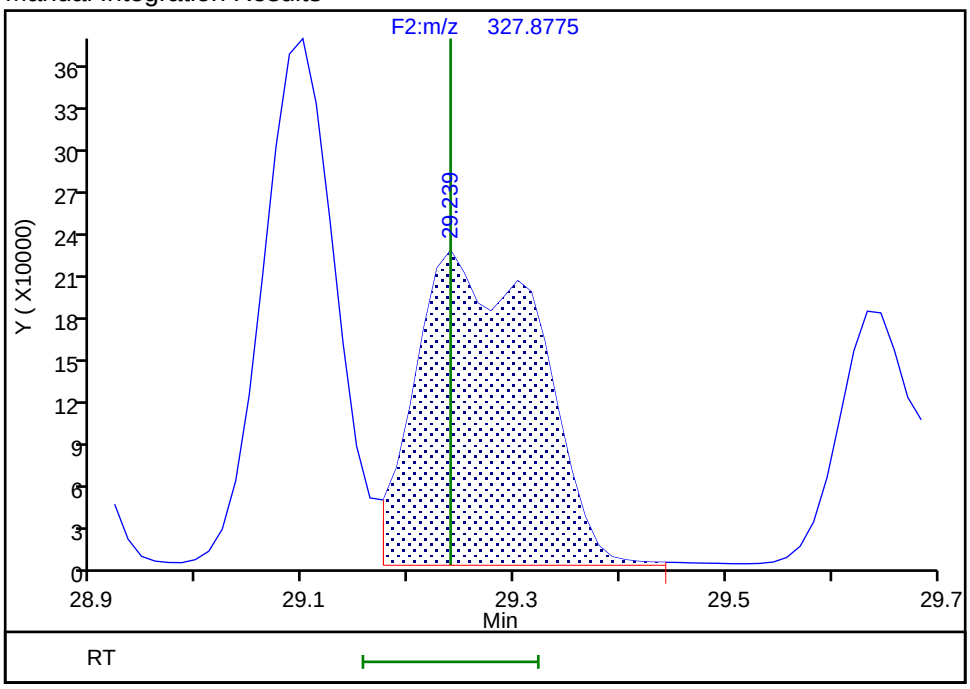
Processing Integration Results

RT: 29.24
Area: 983619
Amount: 50.341702
Amount Units: pg/ul




Manual Integration Results

RT: 29.24
Area: 1804019
Amount: 92.938553
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:25:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

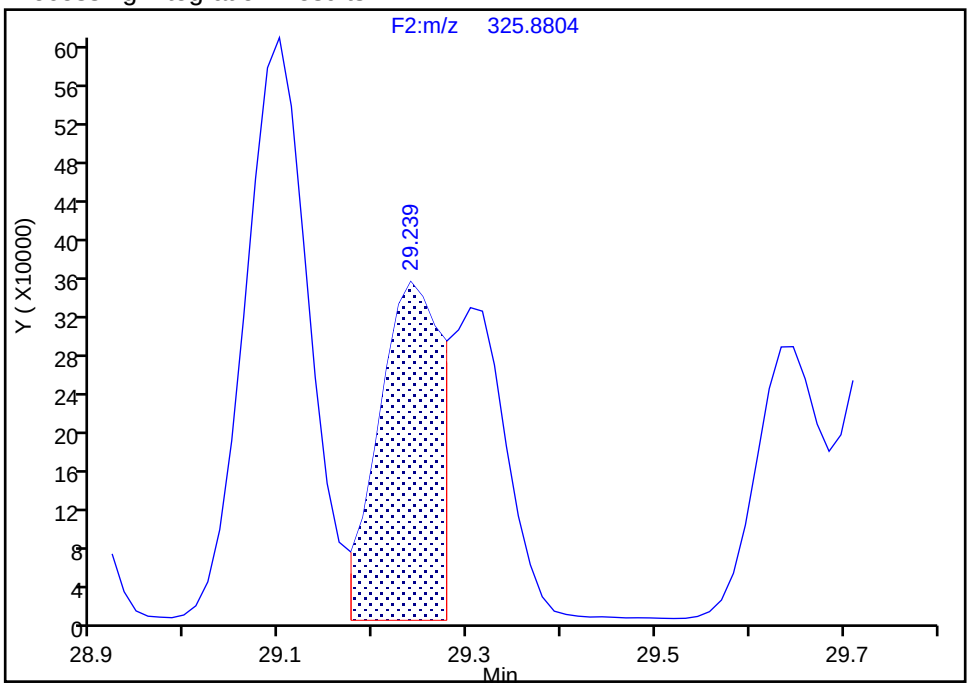
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Injection Date: 09-Oct-2019 13:16:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

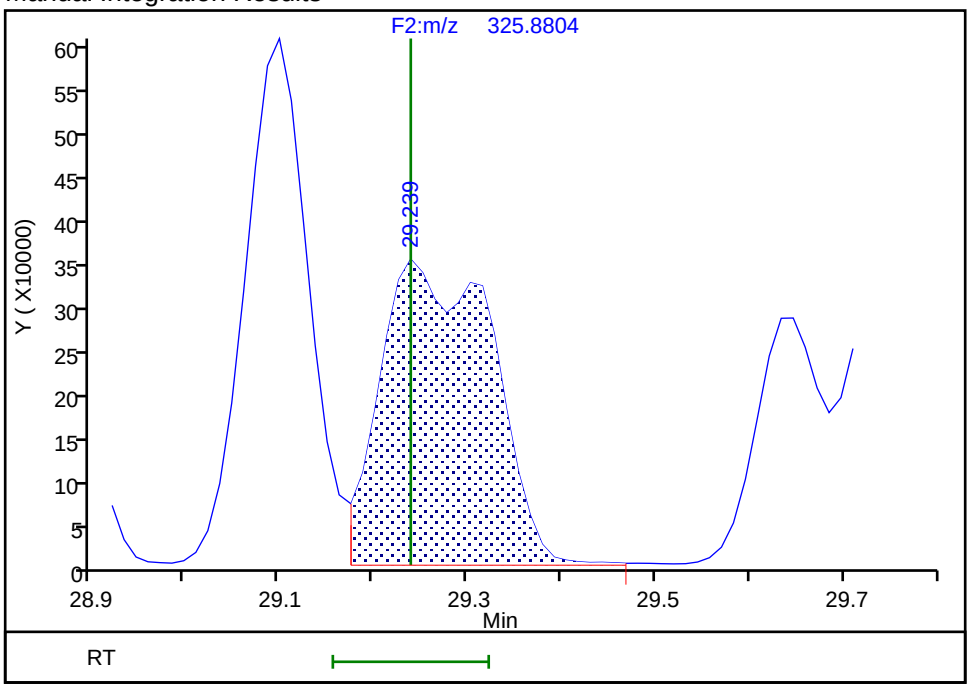
Processing Integration Results

RT: 29.24
Area: 1570272
Amount: 50.341702
Amount Units: pg/ul




Manual Integration Results

RT: 29.24
Area: 2910858
Amount: 92.938553
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:25:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

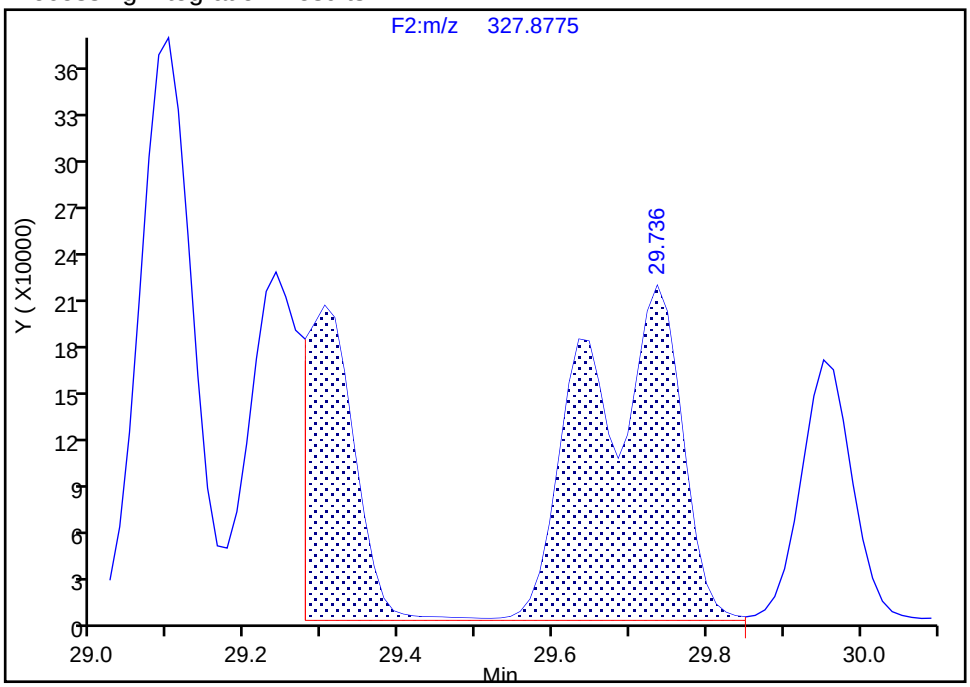
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 2

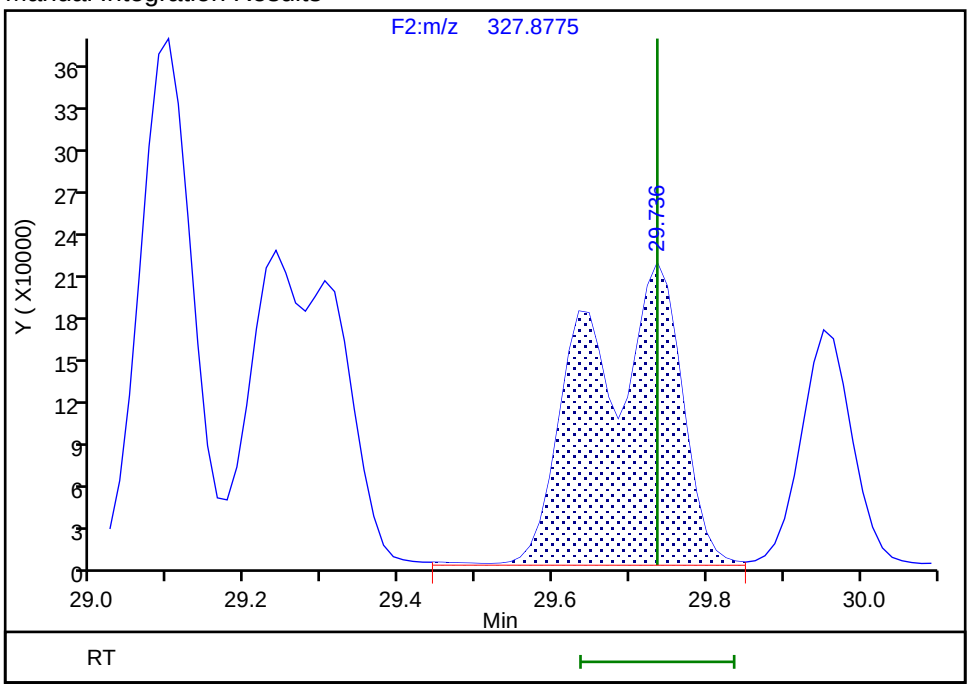
Processing Integration Results

RT: 29.74
Area: 2614888
Amount: 132.7651
Amount Units: pg/ul




Manual Integration Results

RT: 29.74
Area: 1792623
Amount: 90.621266
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:26:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

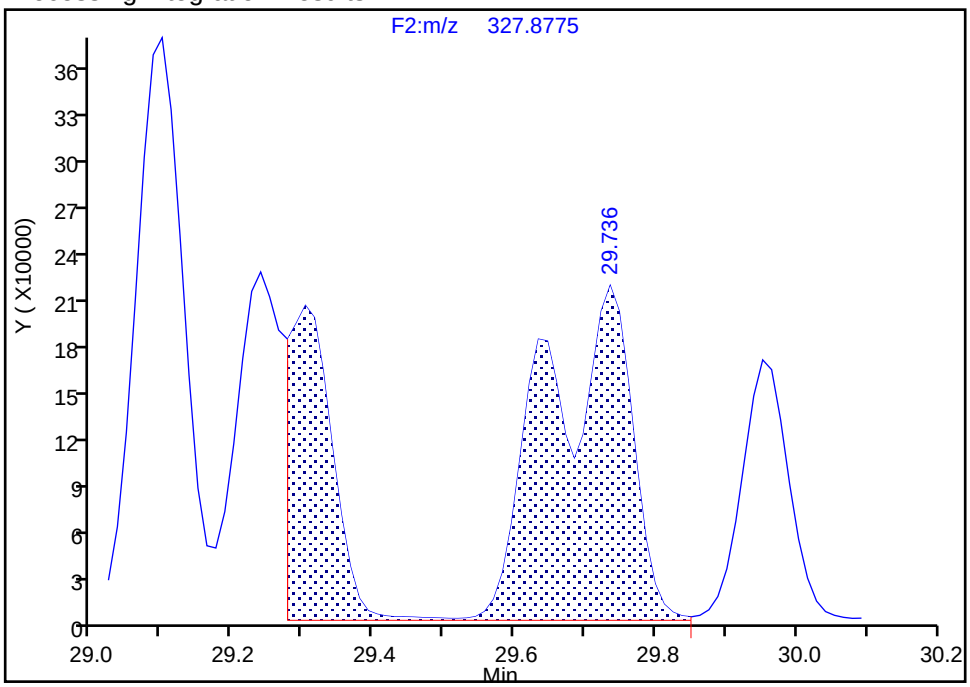
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Injection Date: 09-Oct-2019 13:16:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 3

Processing Integration Results

RT: 29.74
Area: 6847150
Amount: 132.7651
Amount Units: pg/ul




Manual Integration Results

RT: 29.74
Area: 4673649
Amount: 90.621266
Amount Units: pg/ul
Reviewer: davidsonm, 09-Oct-2019 14:26:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

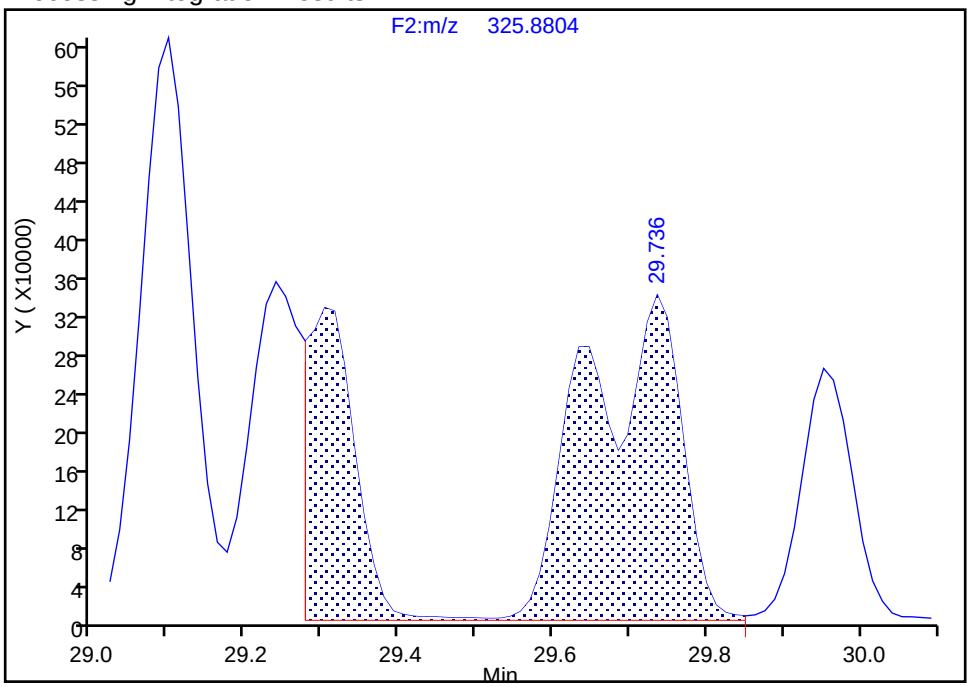
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

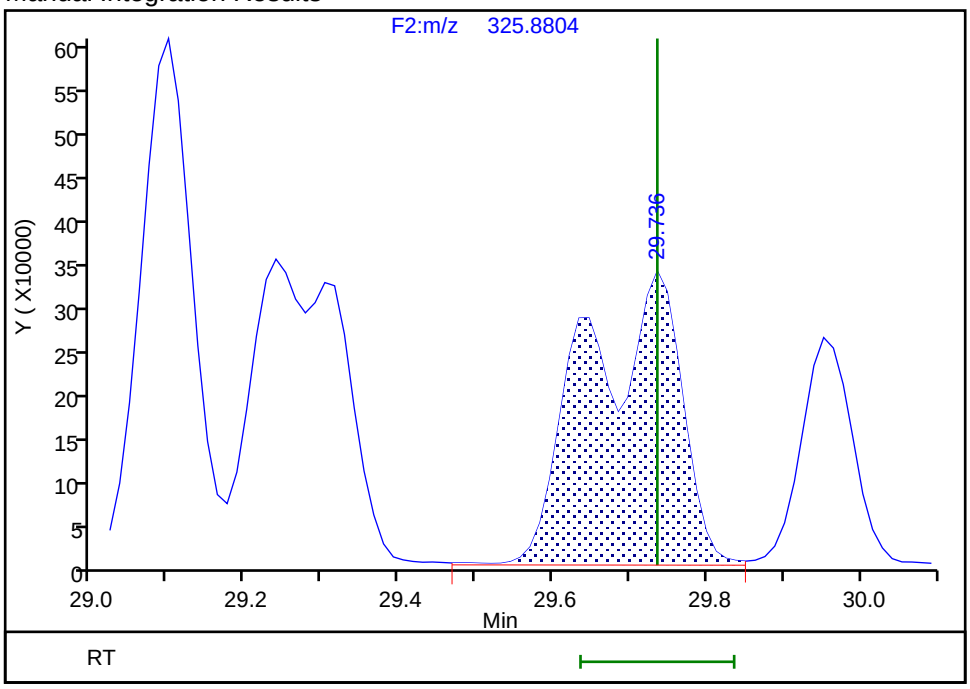
Processing Integration Results

RT: 29.74
Area: 4232262
Amount: 132.7651
Amount Units: pg/ul




Manual Integration Results

RT: 29.74
Area: 2881026
Amount: 90.621266
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:26:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

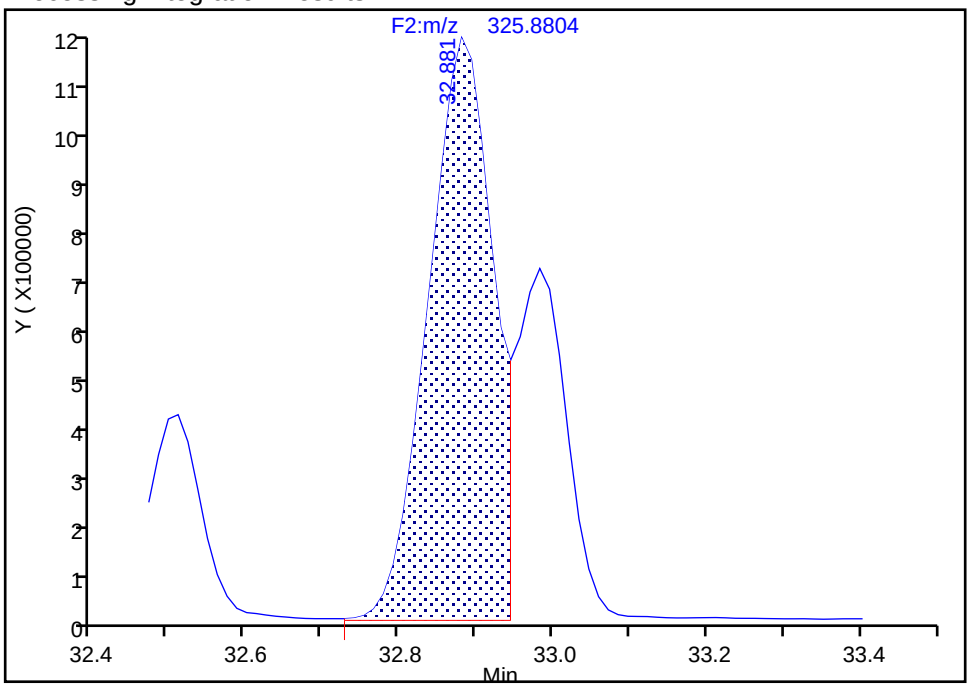
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

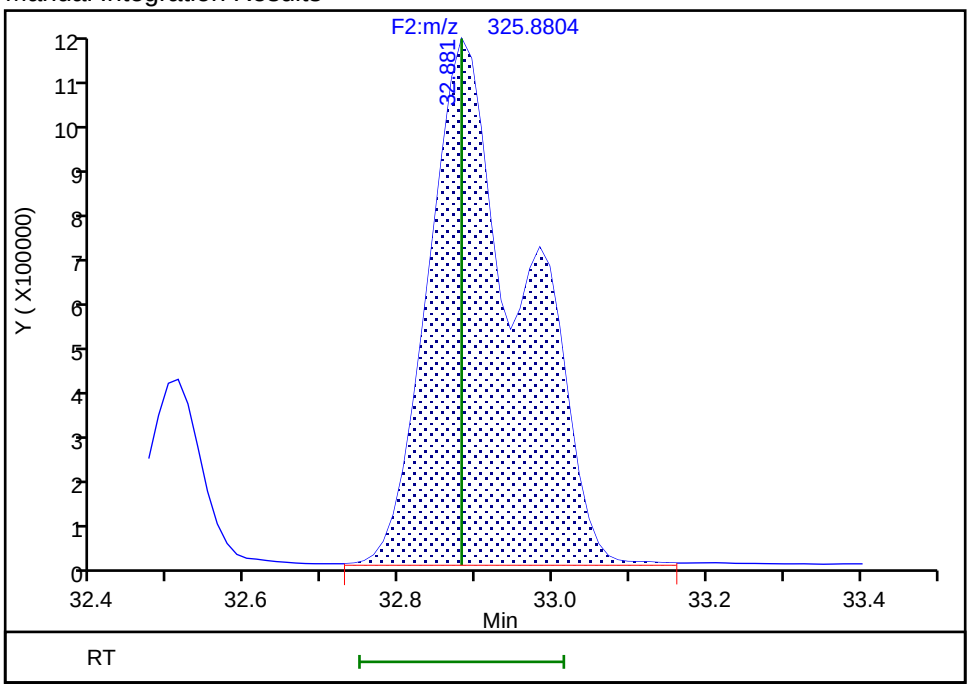
Processing Integration Results

RT: 32.88
Area: 6706935
Amount: 178.9969
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 9857904
Amount: 262.6614
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:26:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

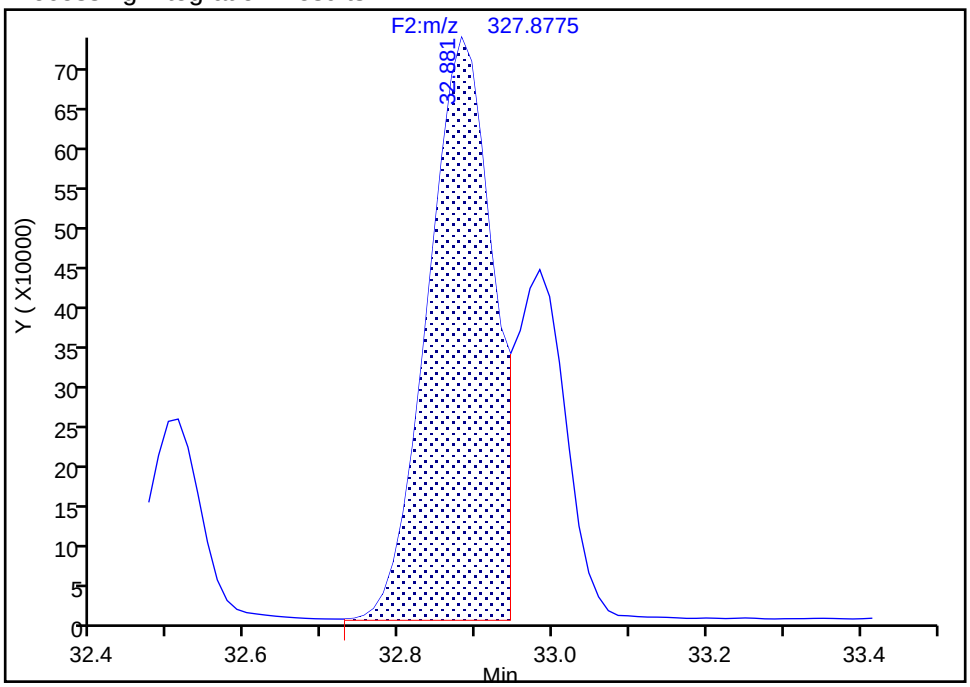
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

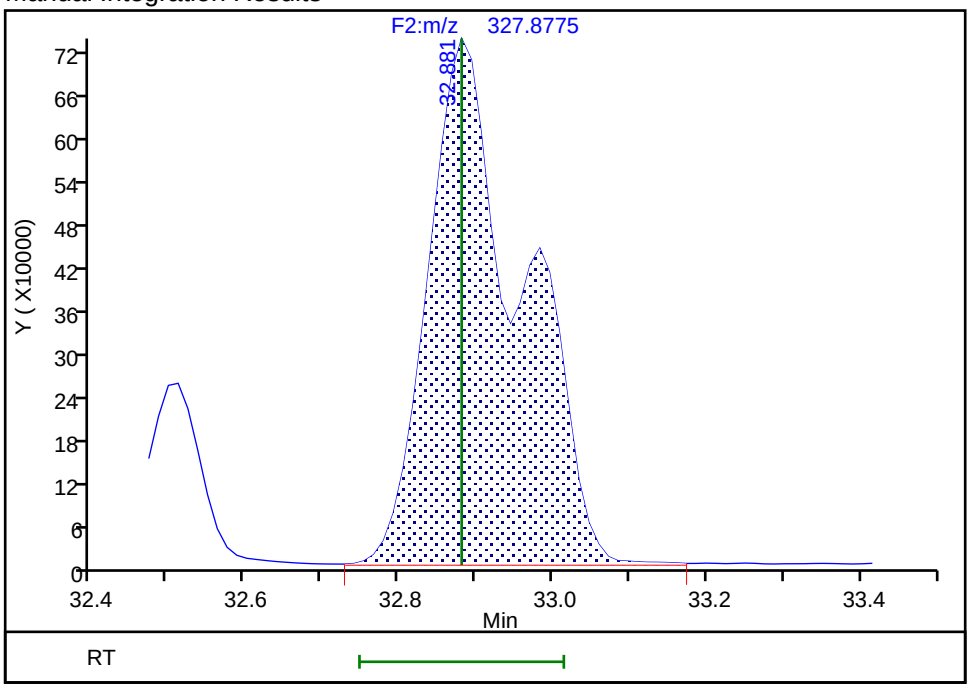
Processing Integration Results

RT: 32.88
Area: 4274422
Amount: 178.9969
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 6256219
Amount: 262.6614
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:26:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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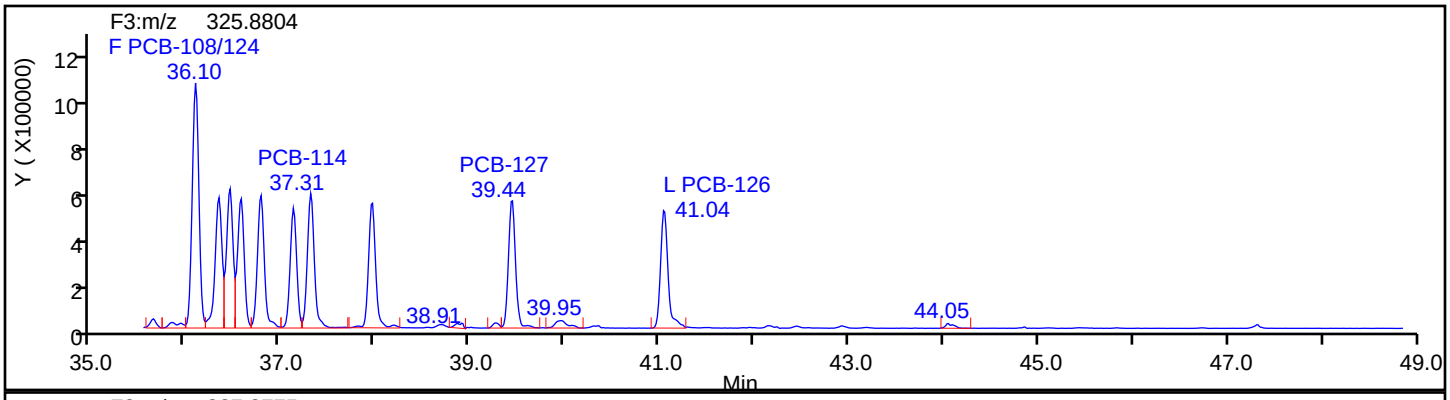
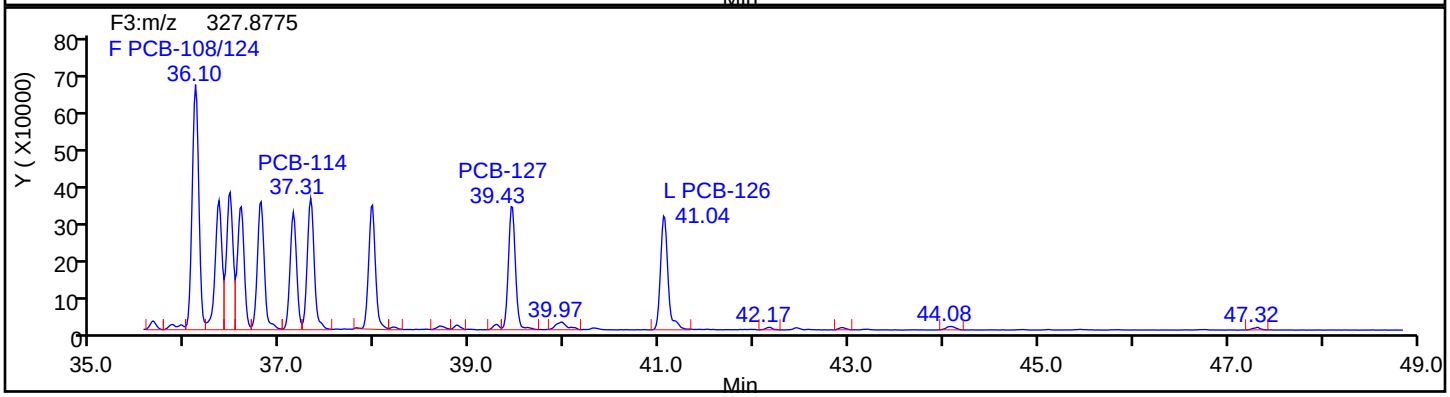
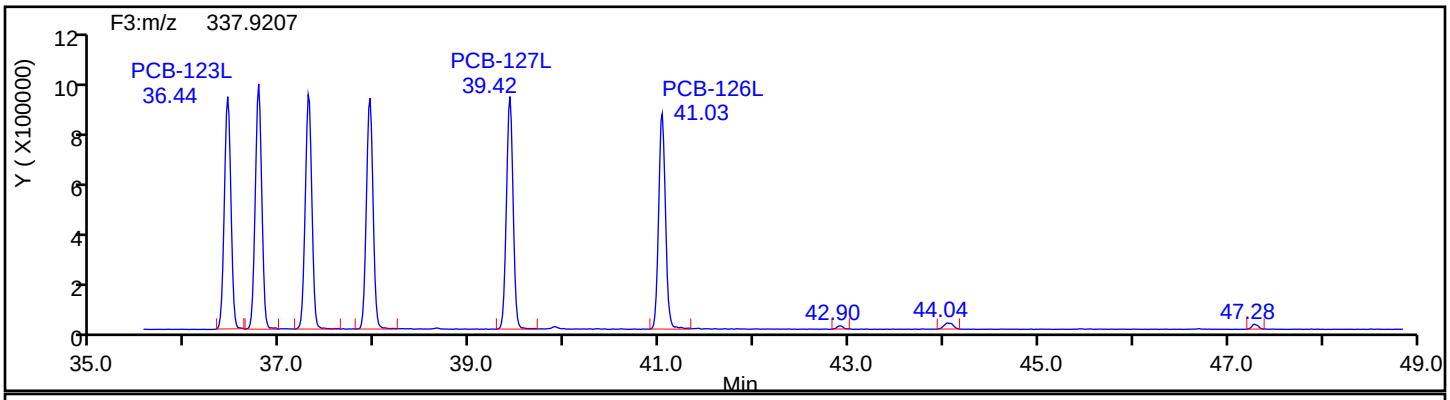
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

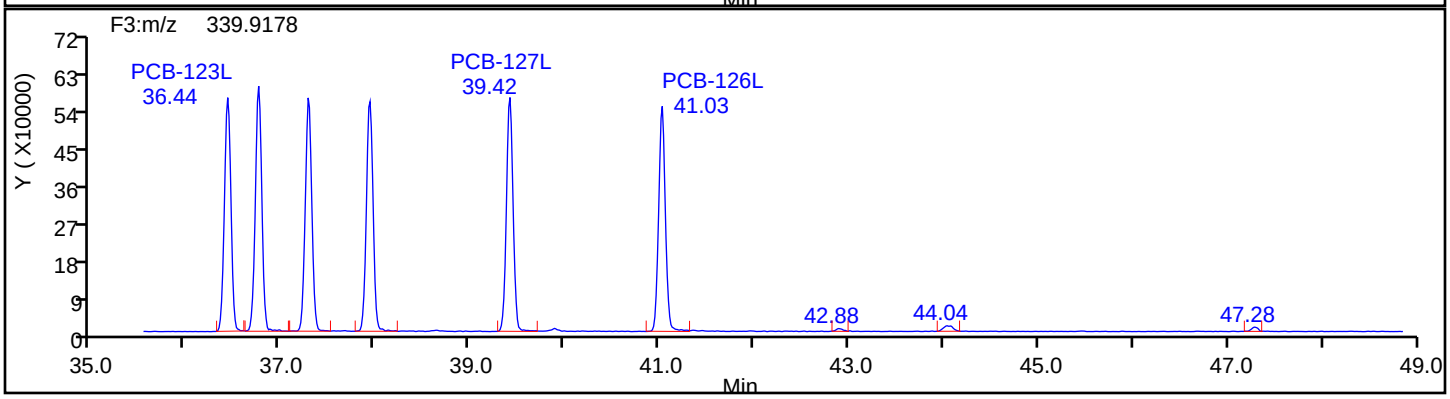
PePCB F3




PePCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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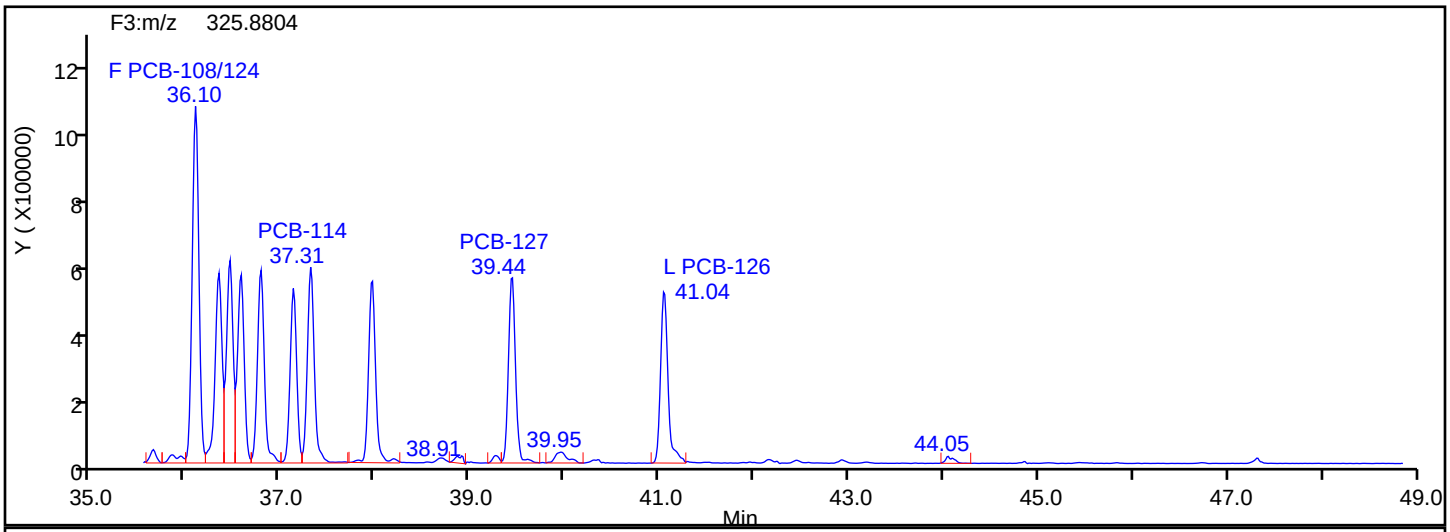
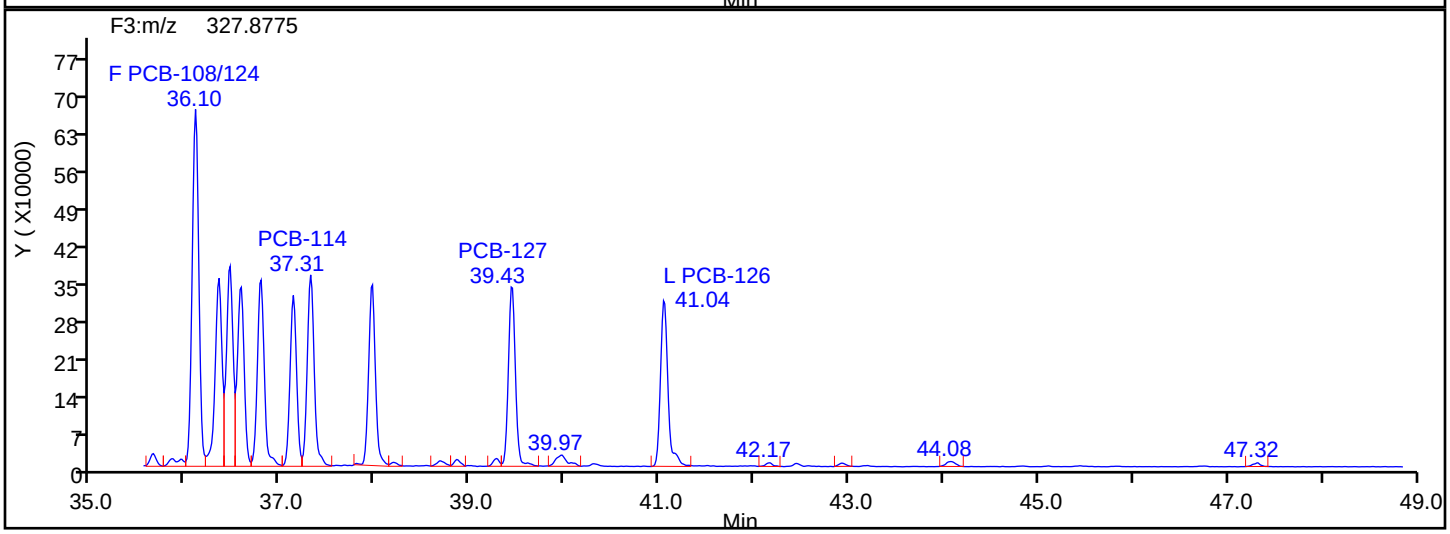
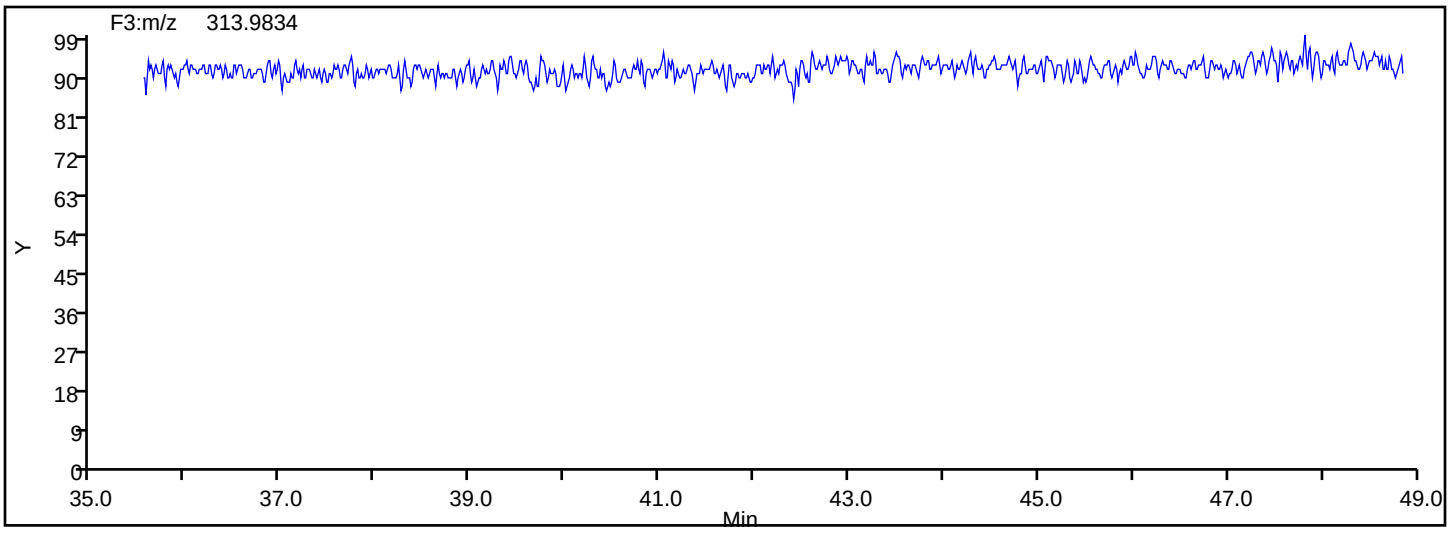
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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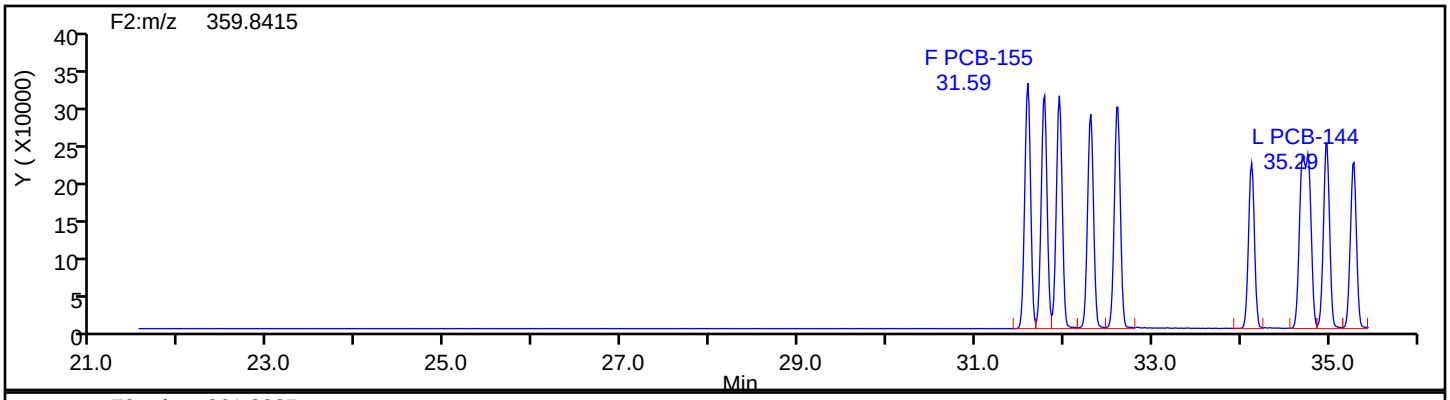
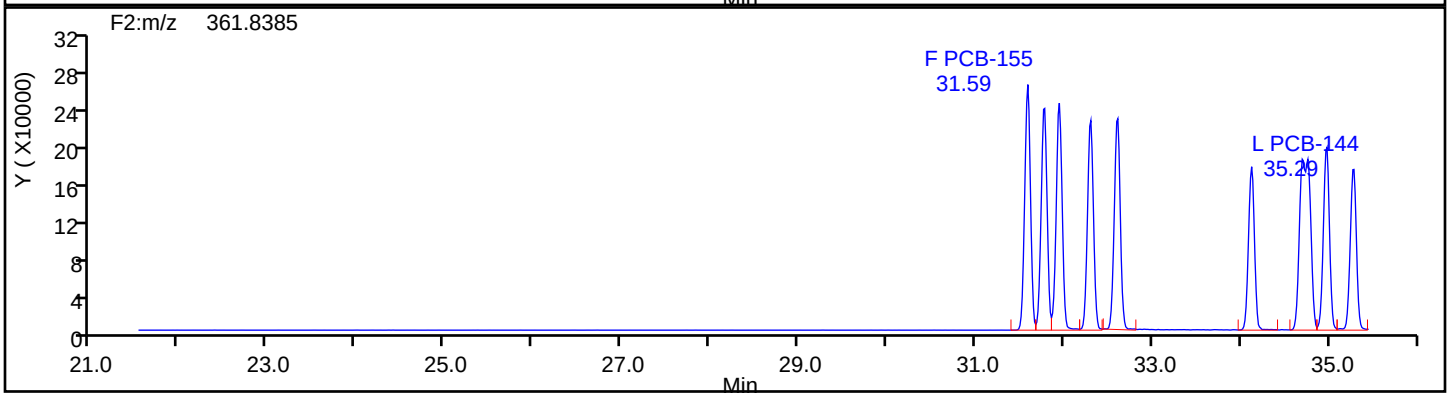
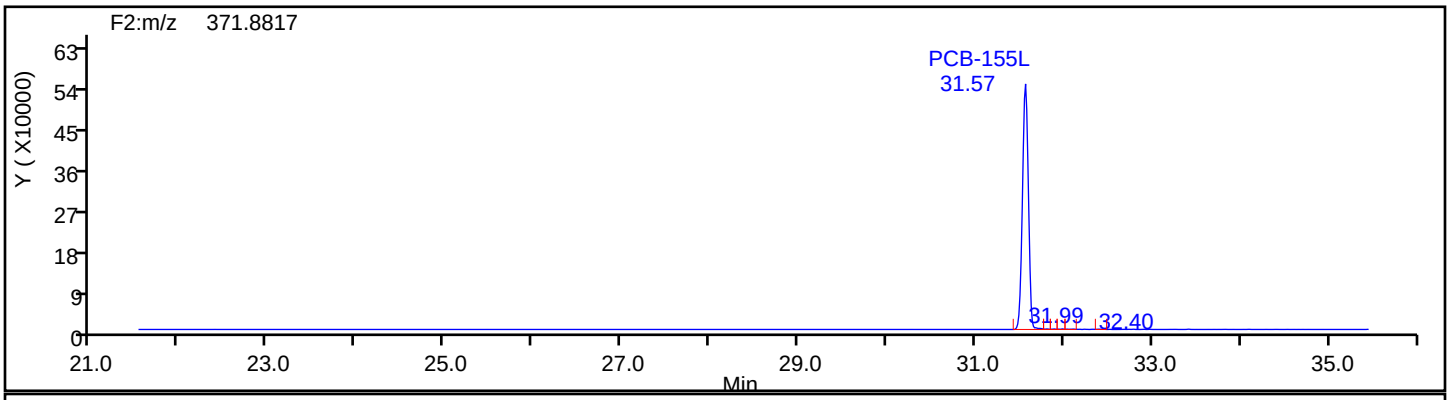
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

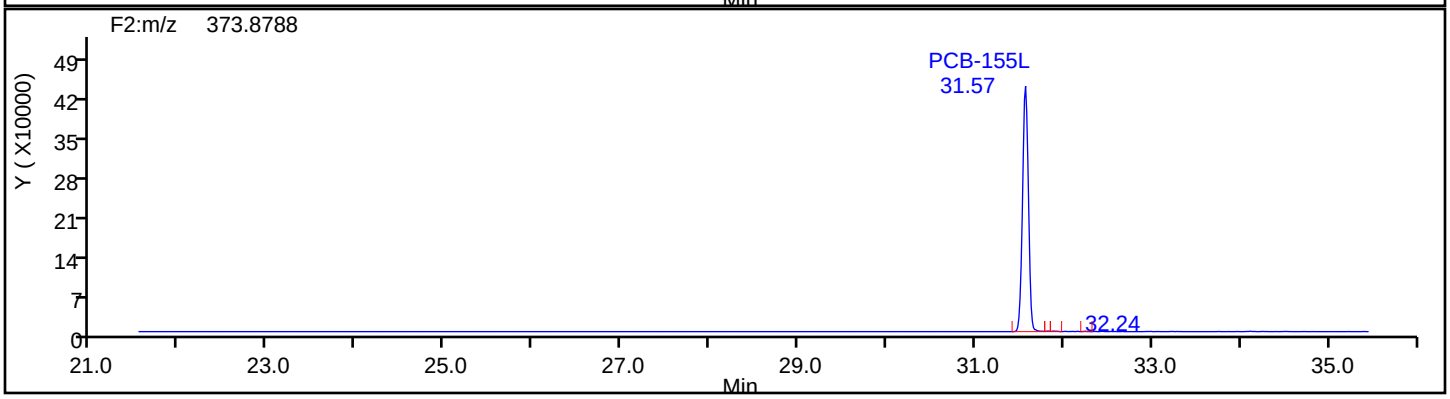
HxPCB F2




HxPCB F2 Standards

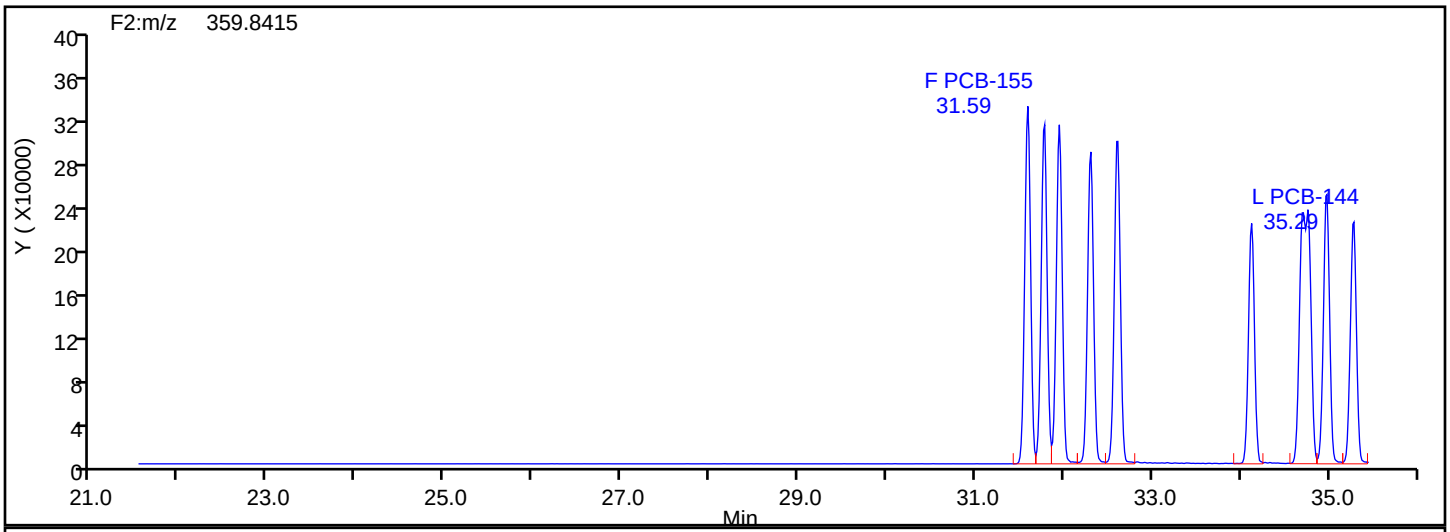


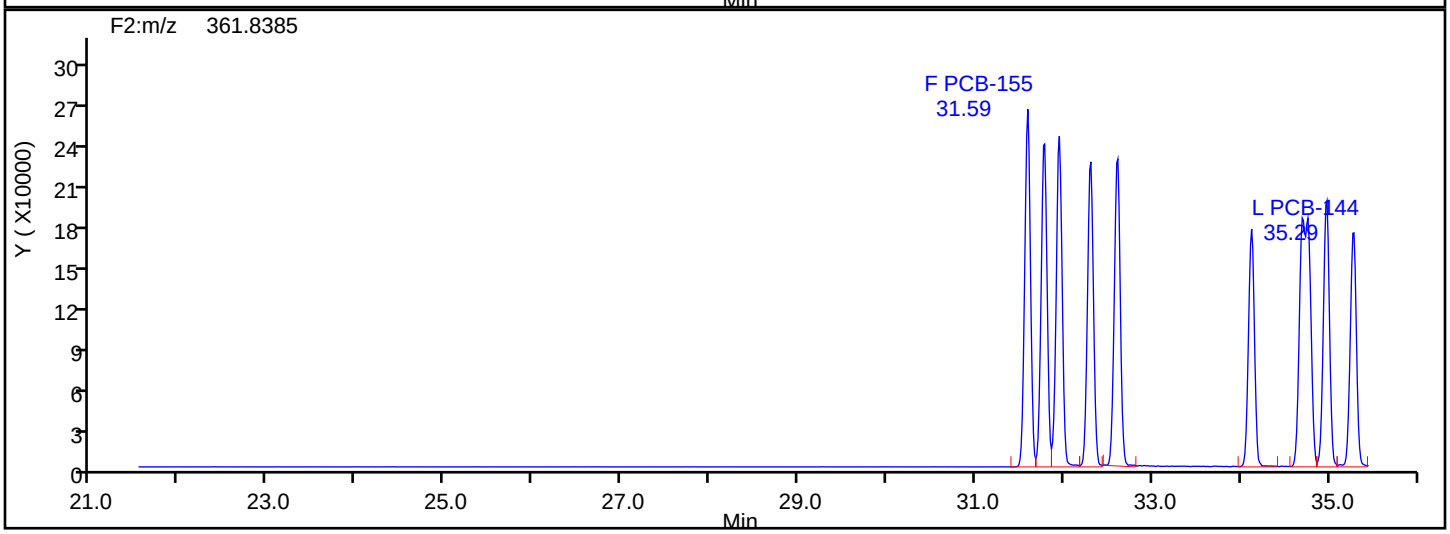



Eurofins TestAmerica, Knoxville

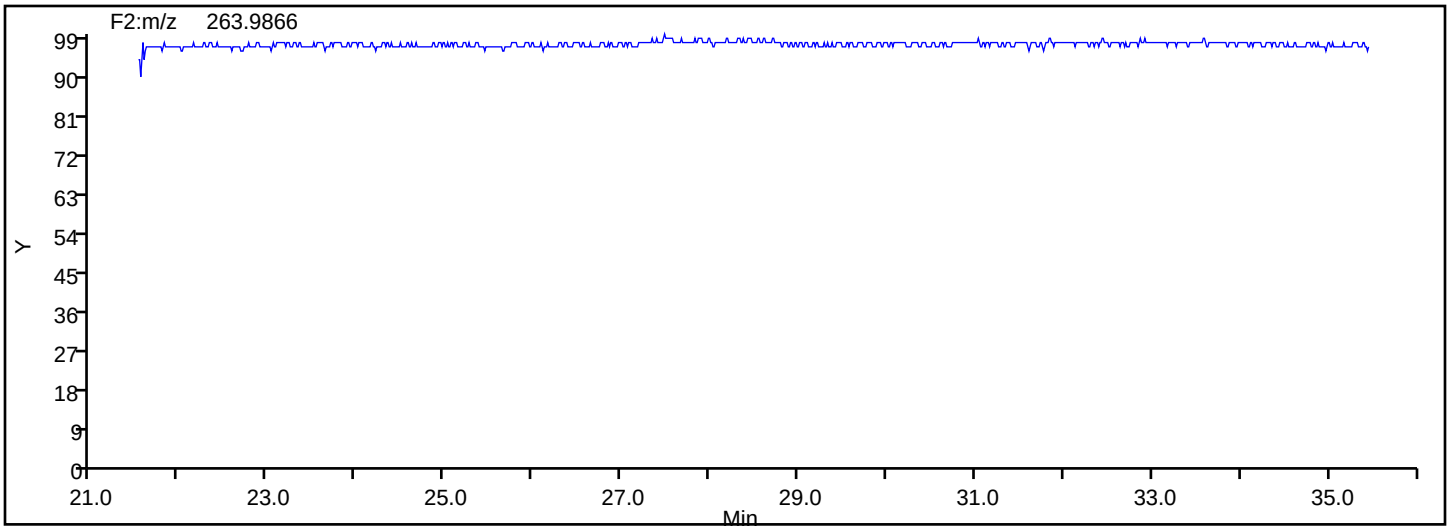
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

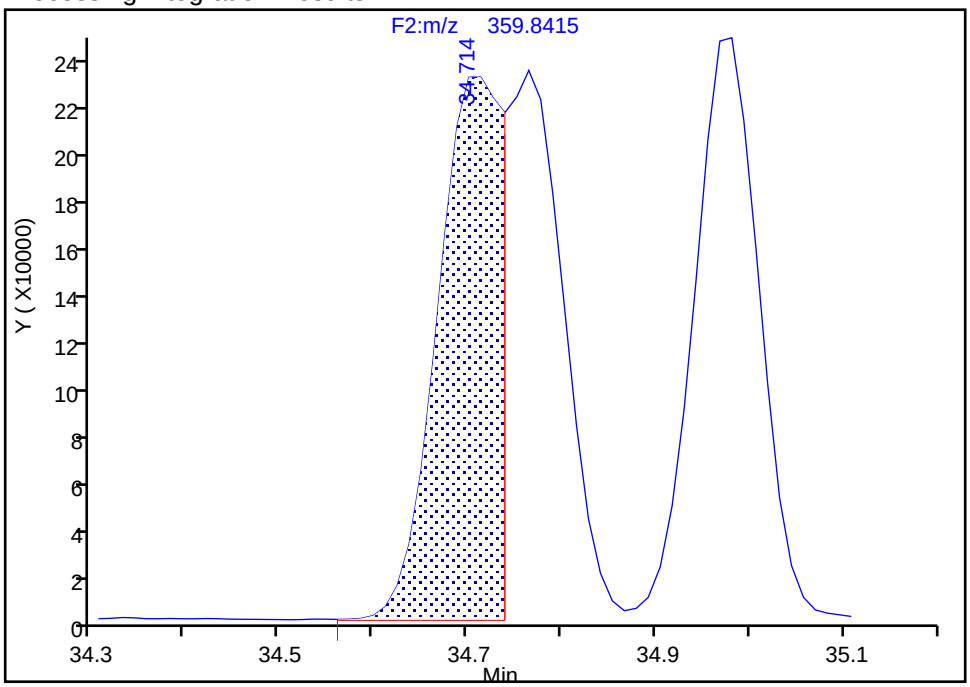
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

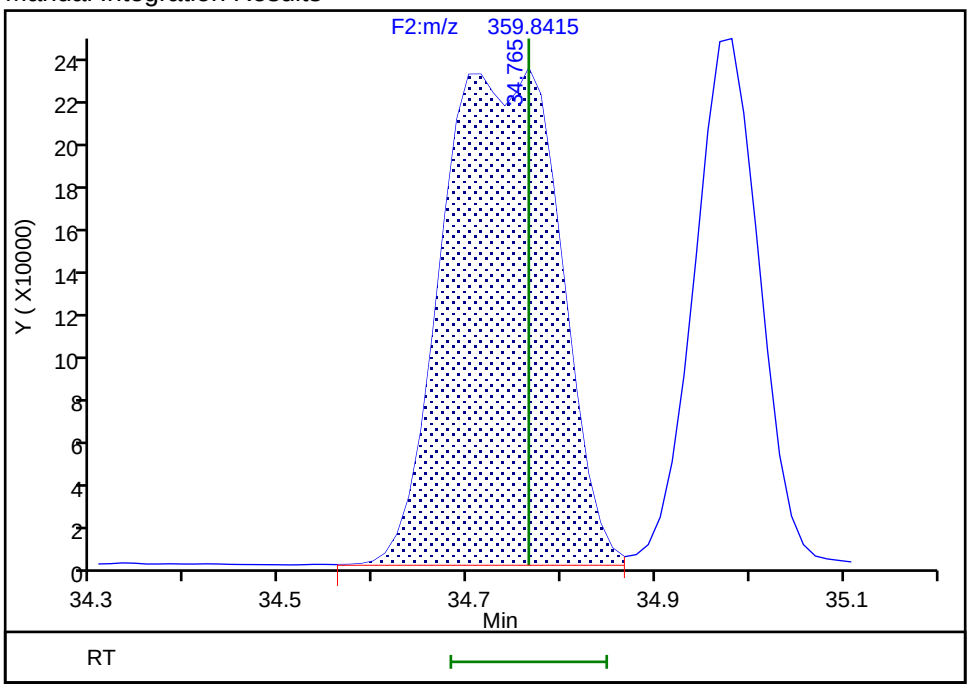
Processing Integration Results

RT: 34.71
Area: 1061398
Amount: 48.012419
Amount Units: pg/ul




Manual Integration Results

RT: 34.77
Area: 2012870
Amount: 90.557220
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:31:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

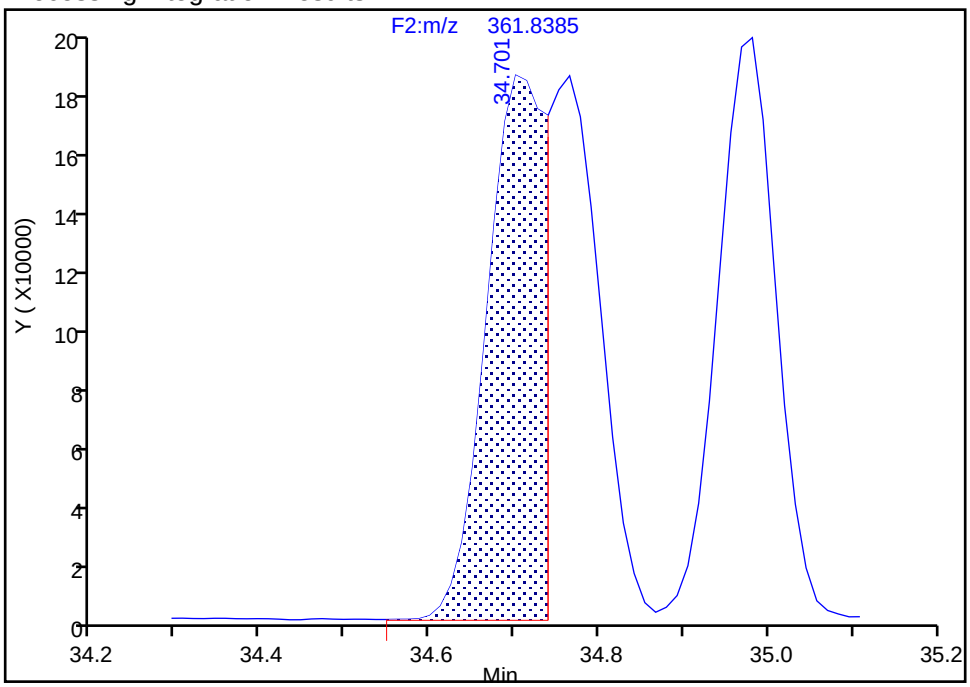
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d
Injection Date: 09-Oct-2019 13:16:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

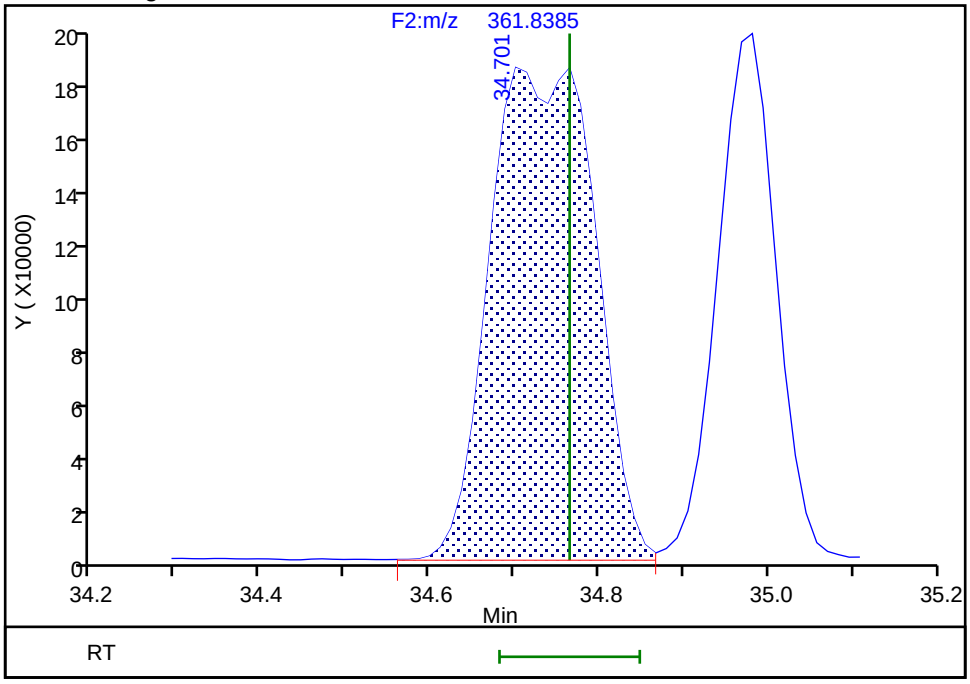
Processing Integration Results

RT: 34.70
Area: 848687
Amount: 48.012419
Amount Units: pg/ul




Manual Integration Results

RT: 34.70
Area: 1589781
Amount: 90.557220
Amount Units: pg/ul

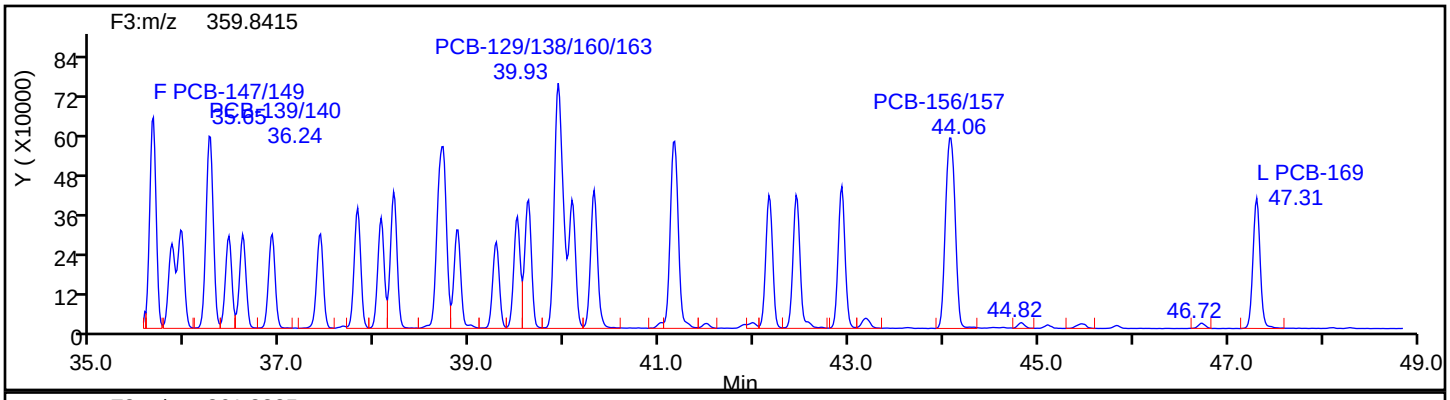


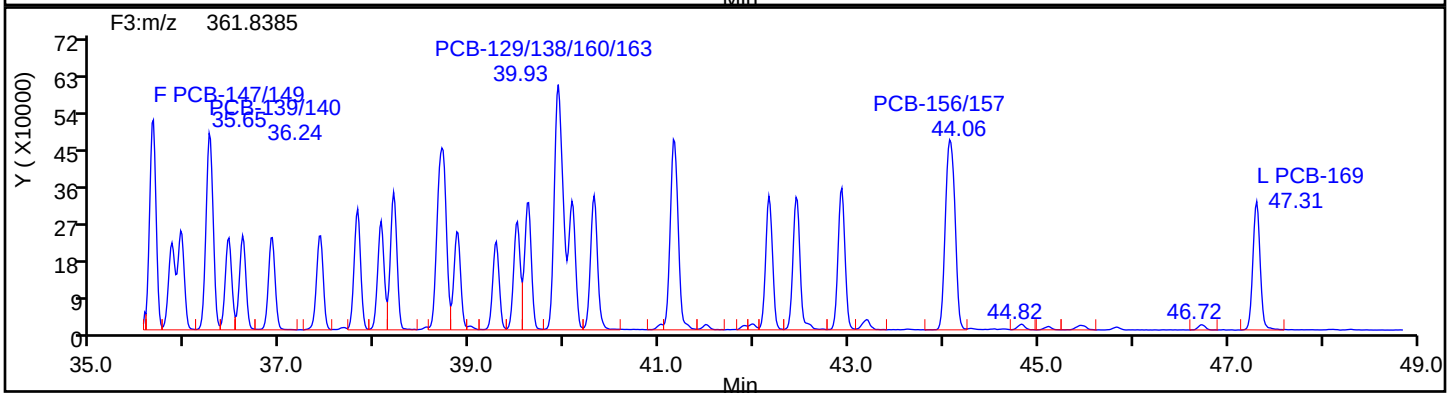

Reviewer: davidsonm, 09-Oct-2019 14:32:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

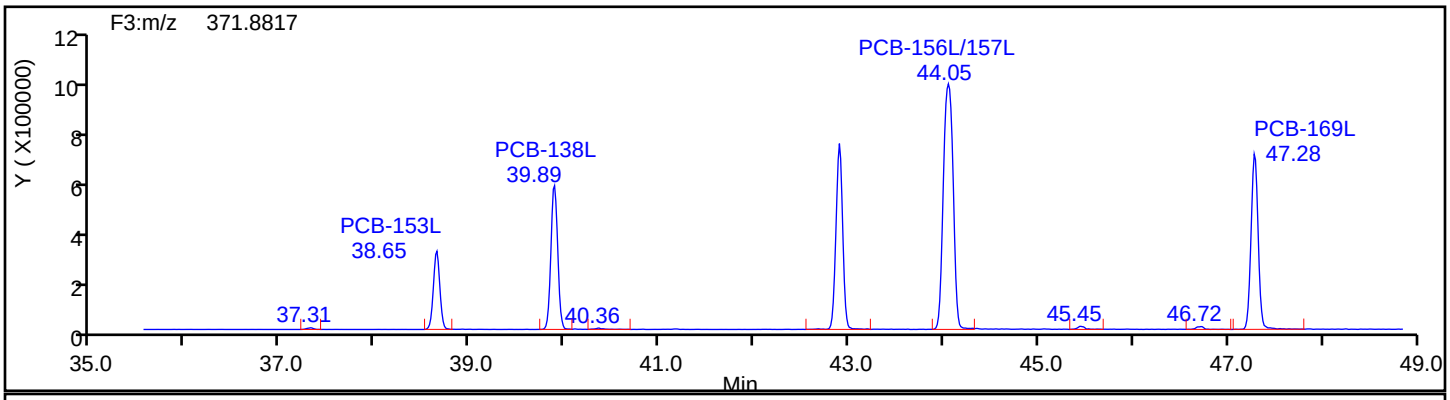
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

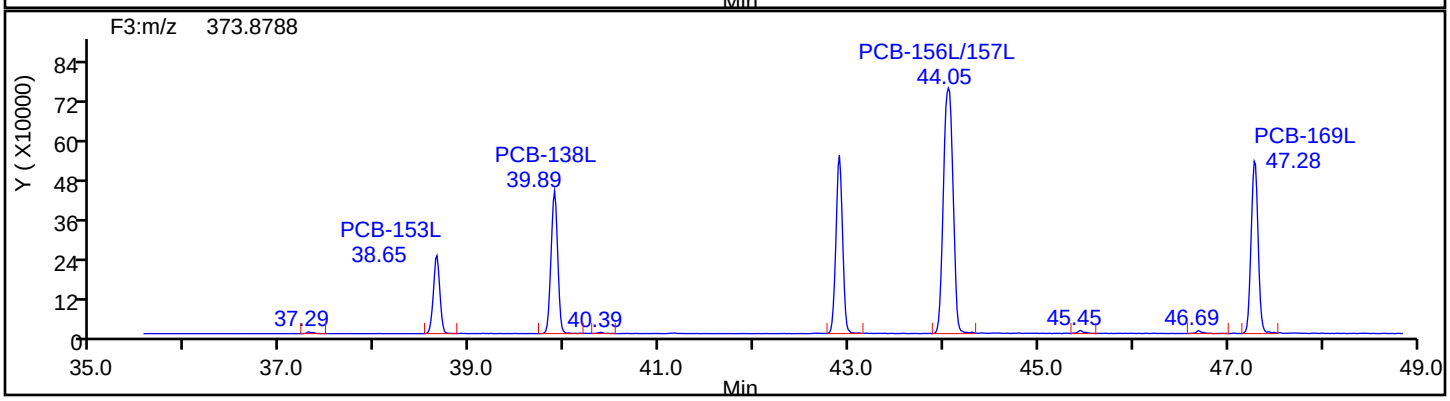
HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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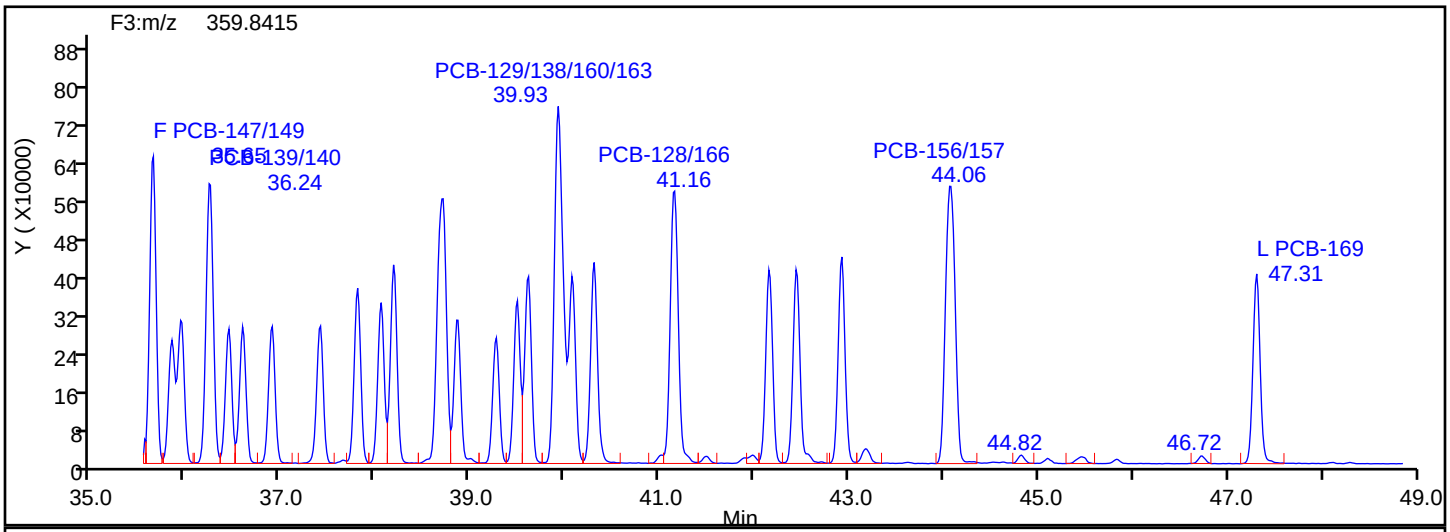
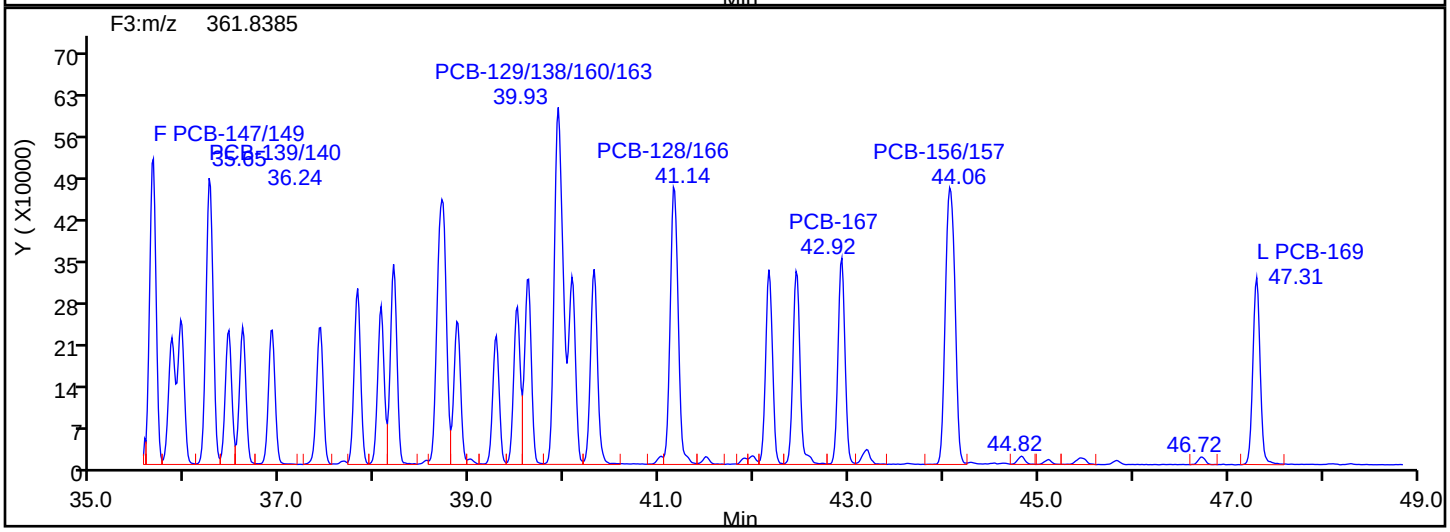
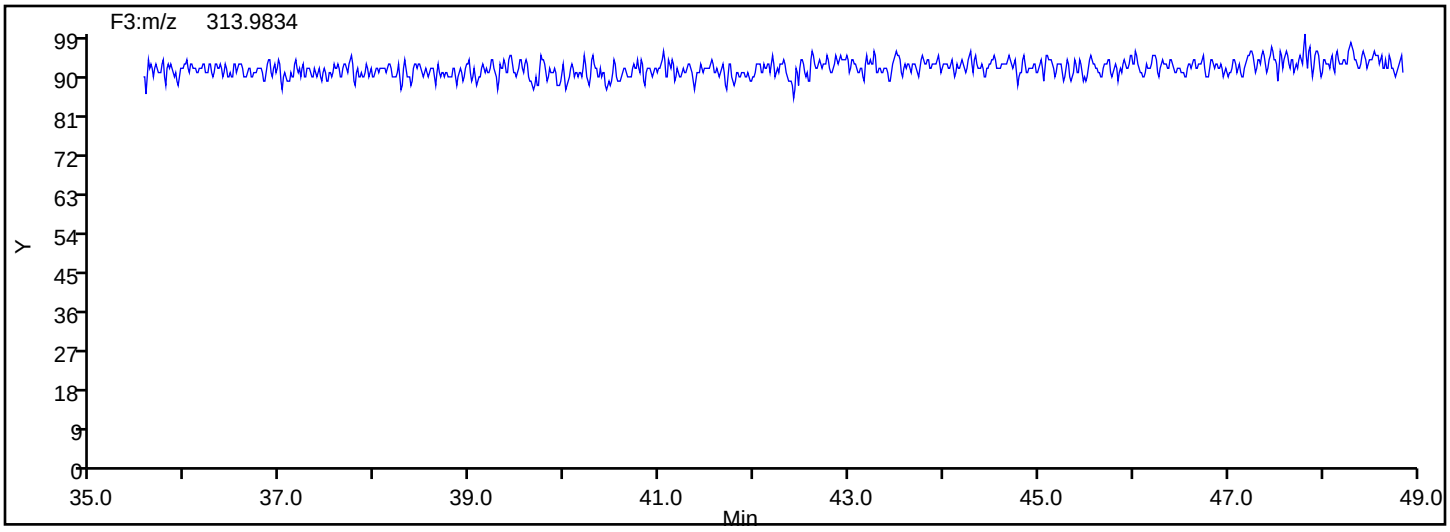
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

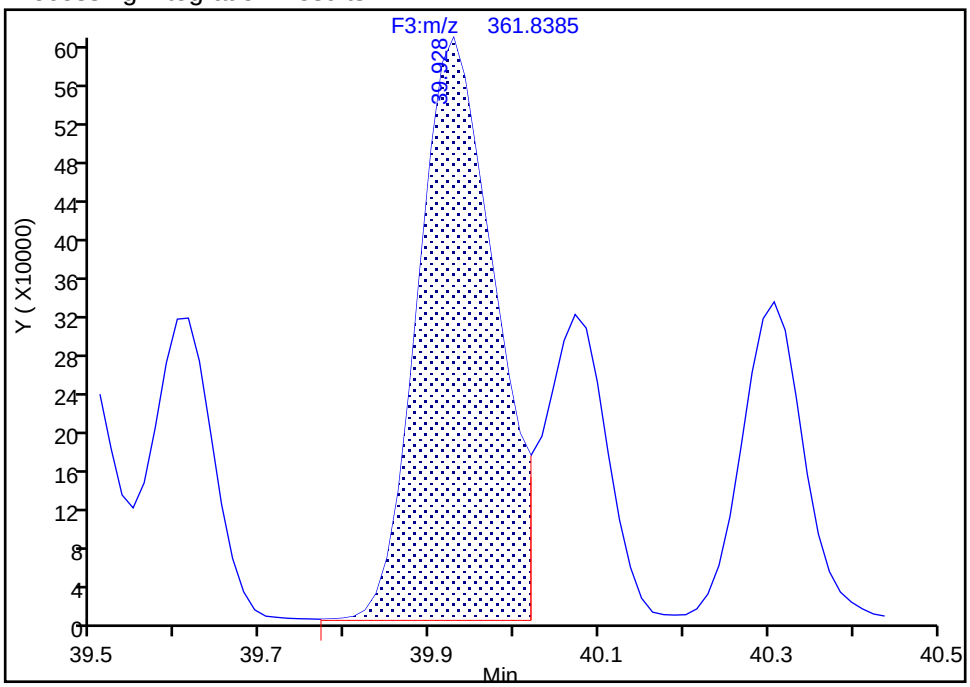
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

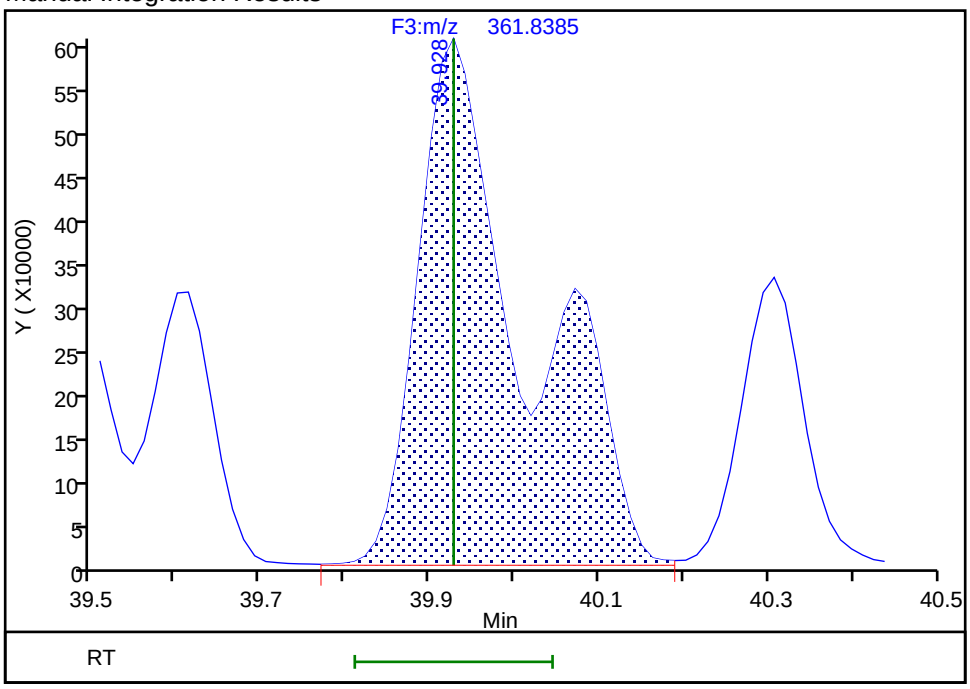
Processing Integration Results

RT: 39.93
Area: 3790255
Amount: 128.1285
Amount Units: pg/ul




Manual Integration Results

RT: 39.93
Area: 5386979
Amount: 182.1560
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:32:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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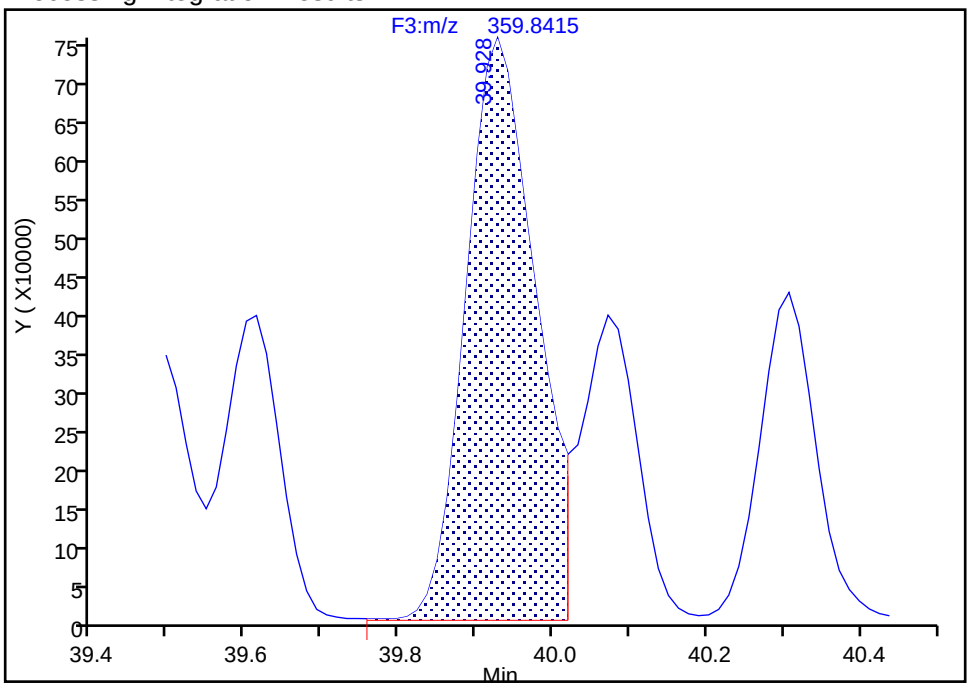
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

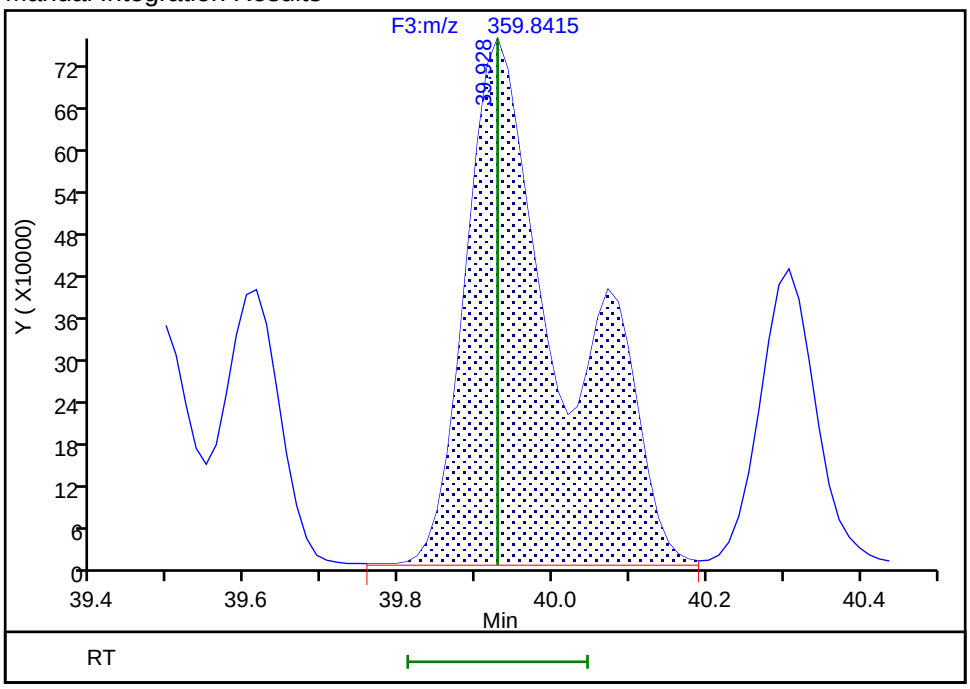
Processing Integration Results

RT: 39.93
Area: 4742112
Amount: 128.1285
Amount Units: pg/ul




Manual Integration Results

RT: 39.93
Area: 6743200
Amount: 182.1560
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:32:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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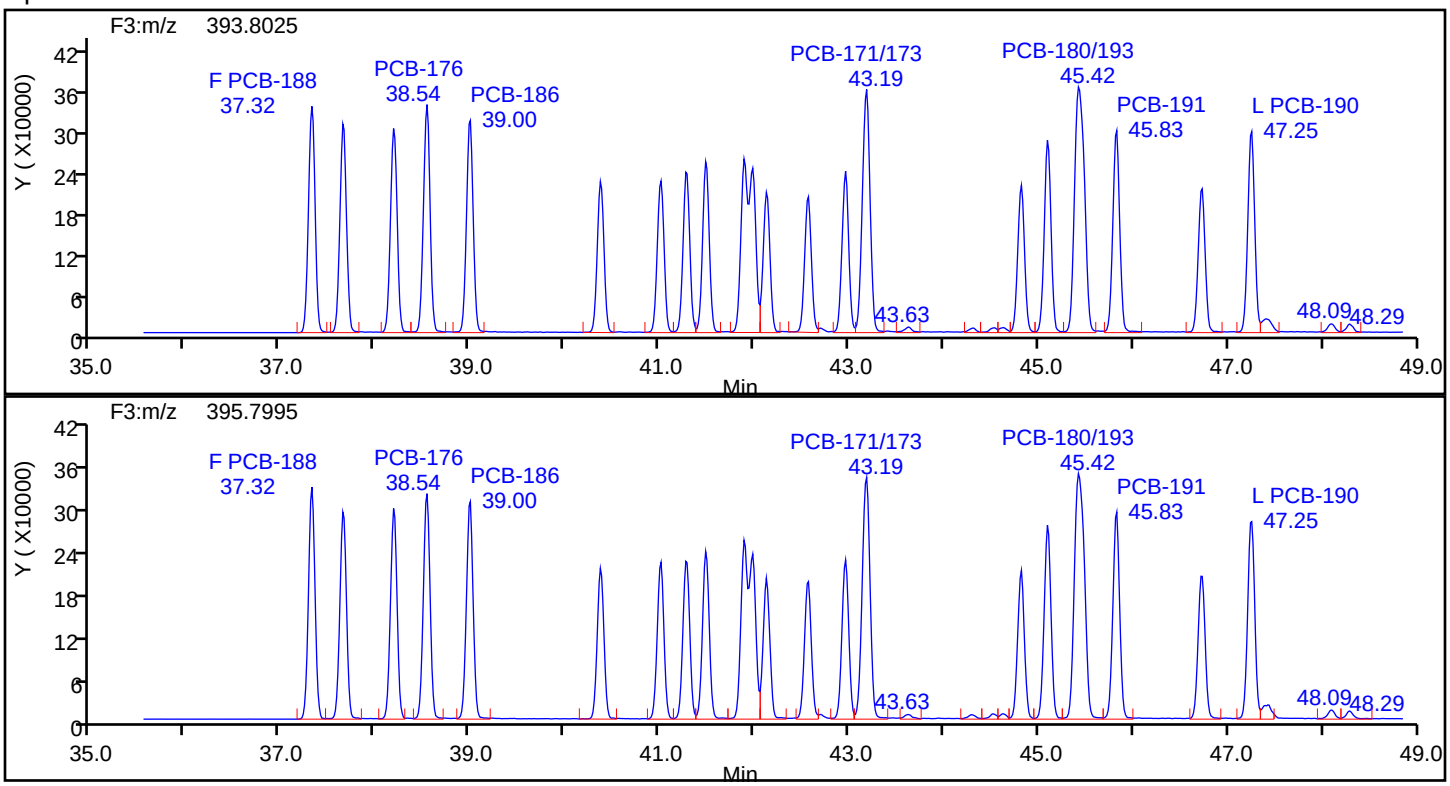
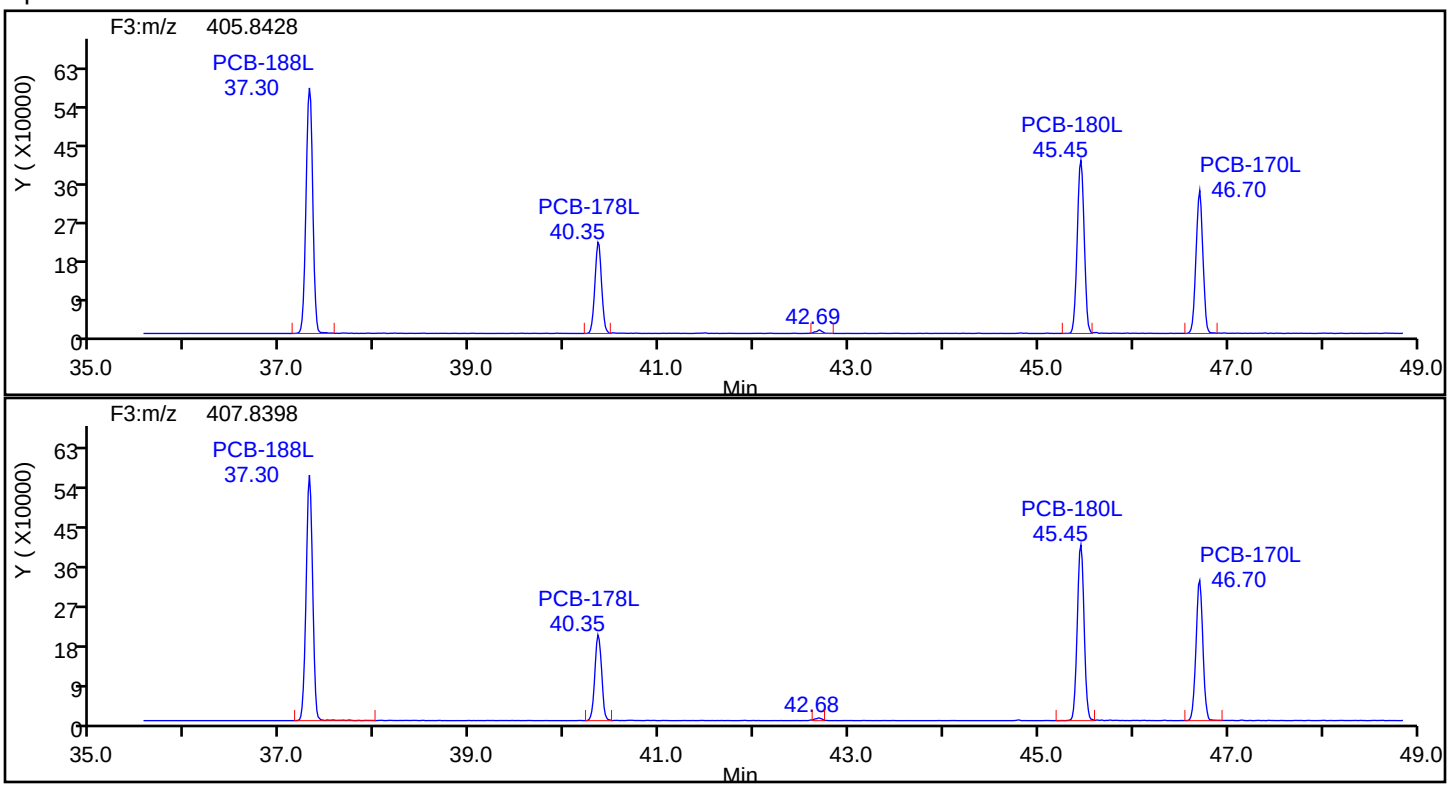
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



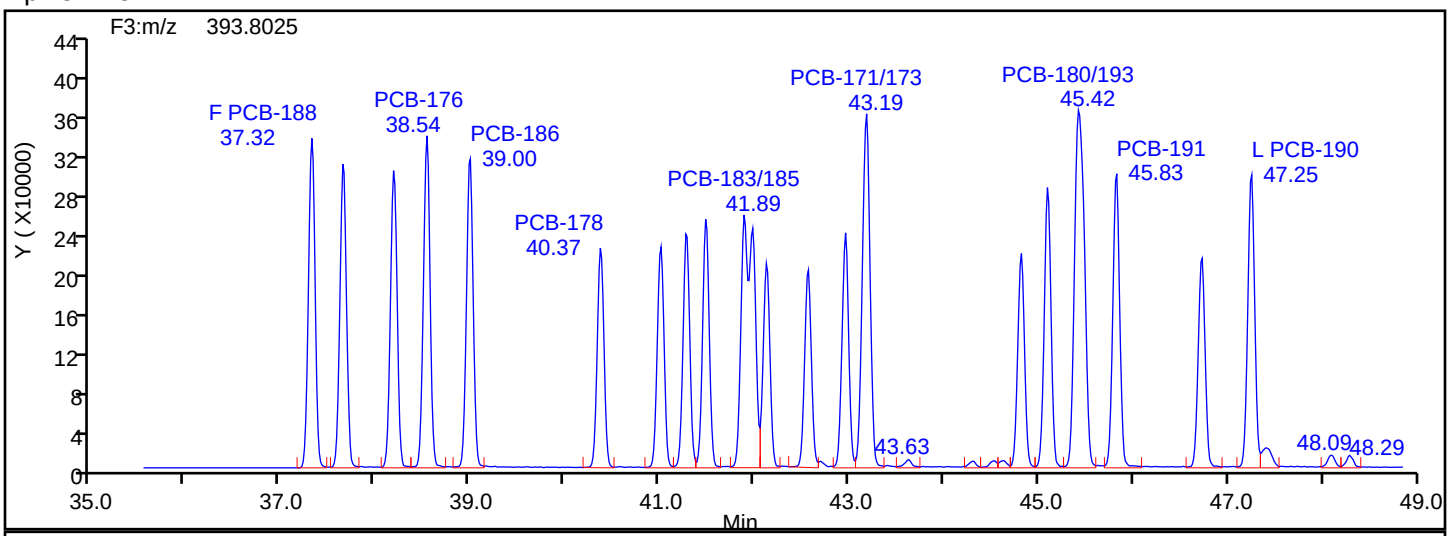

HpPCB F3 Standards

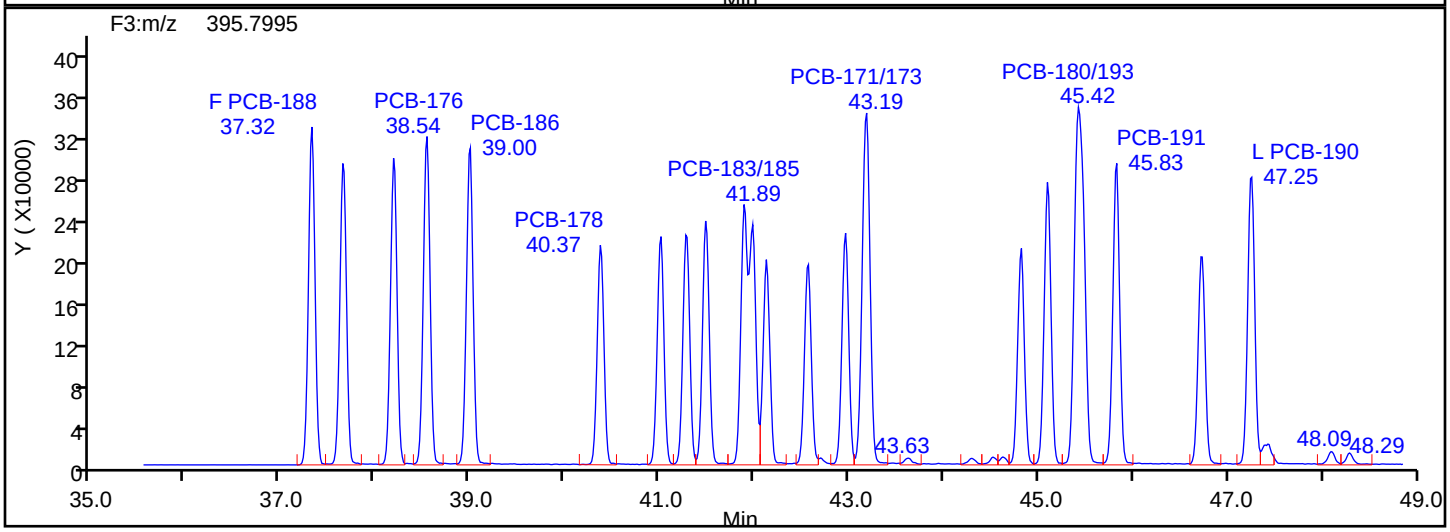


Eurofins TestAmerica, Knoxville

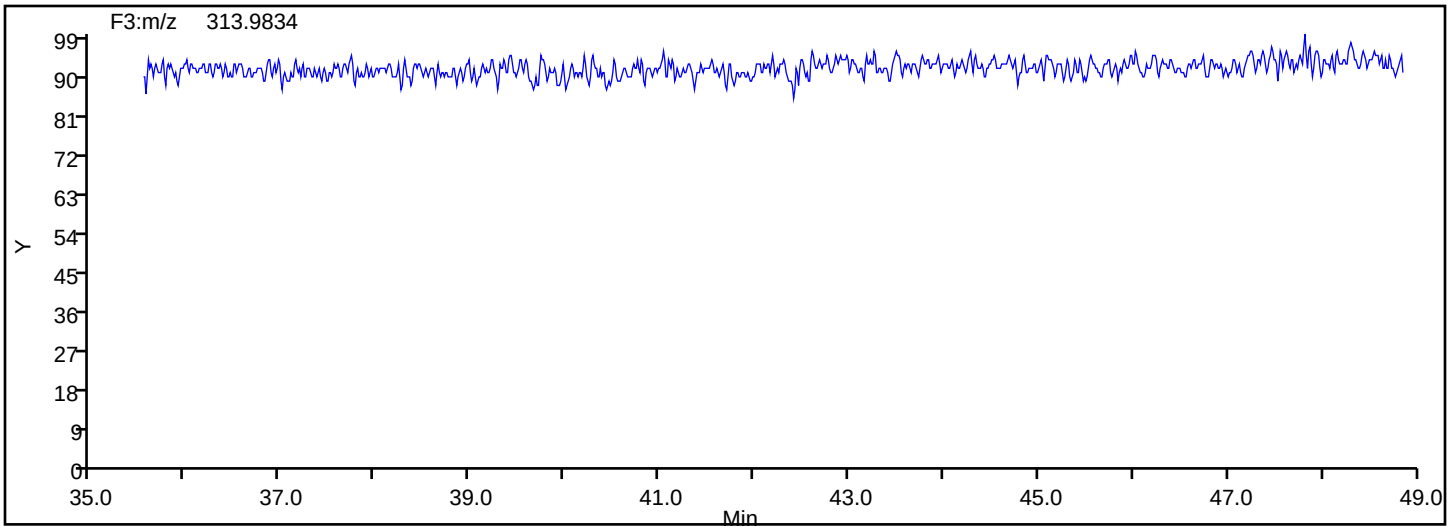
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

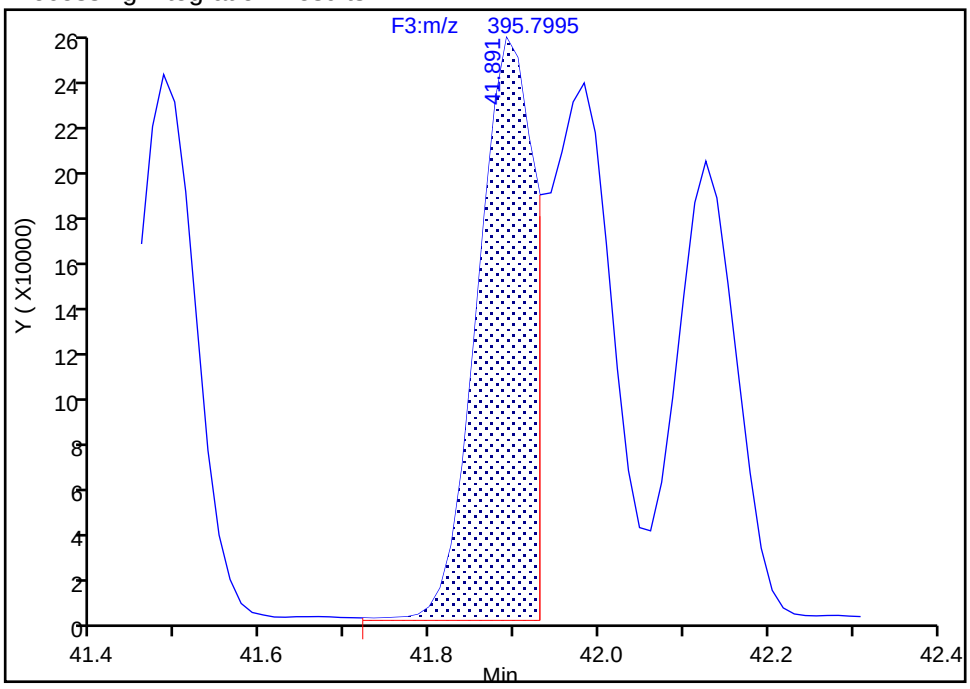
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

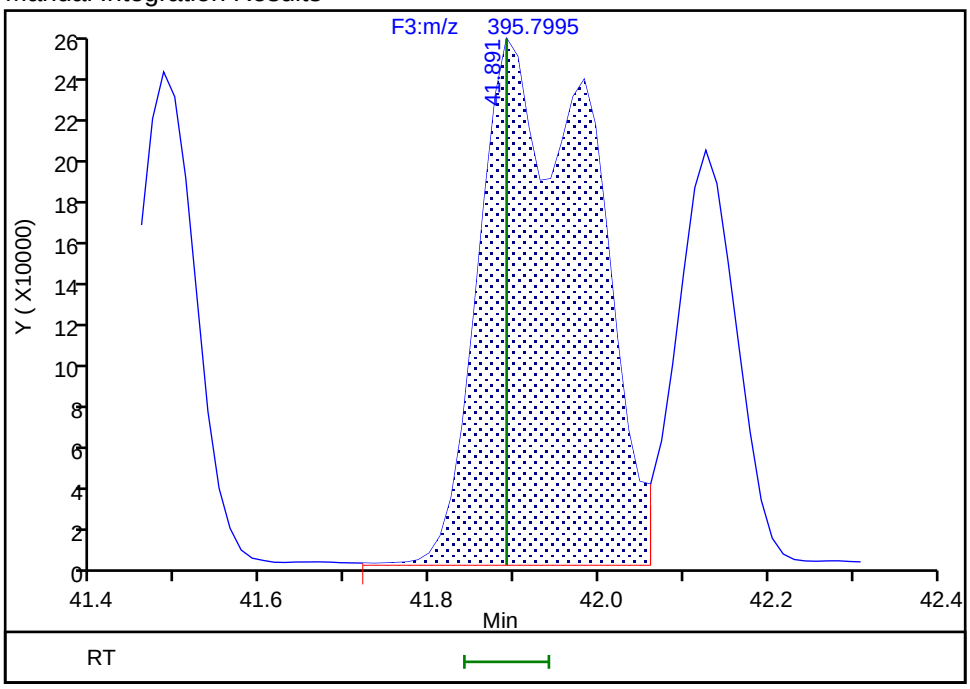
Processing Integration Results

RT: 41.89
Area: 1130222
Amount: 48.649001
Amount Units: pg/ul




Manual Integration Results

RT: 41.89
Area: 2337899
Amount: 95.073820
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:33:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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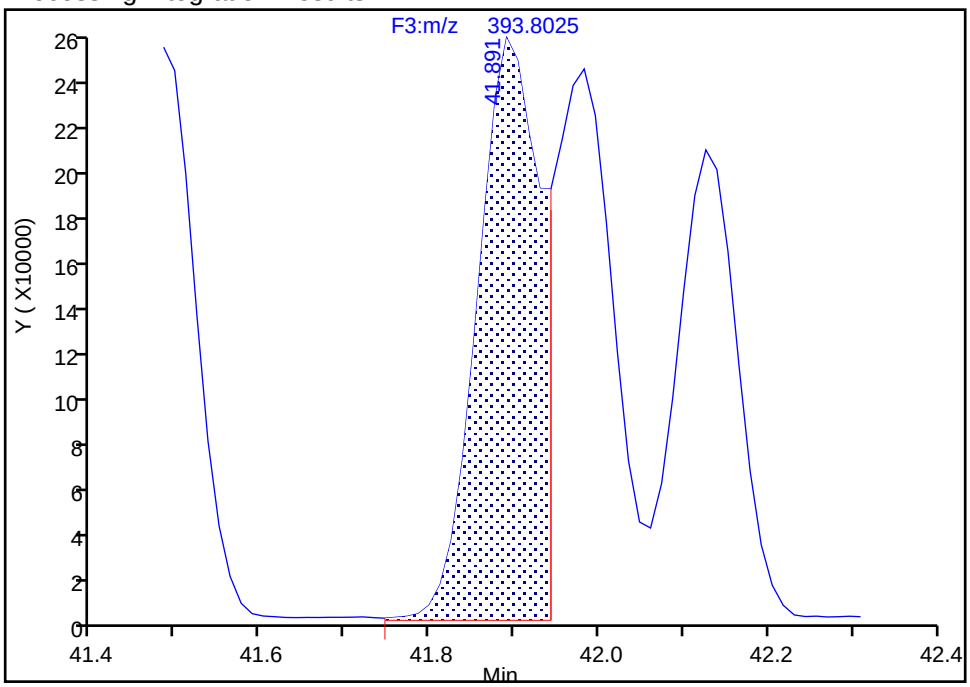
| Injection Date: | 09-Oct-2019 13:16:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

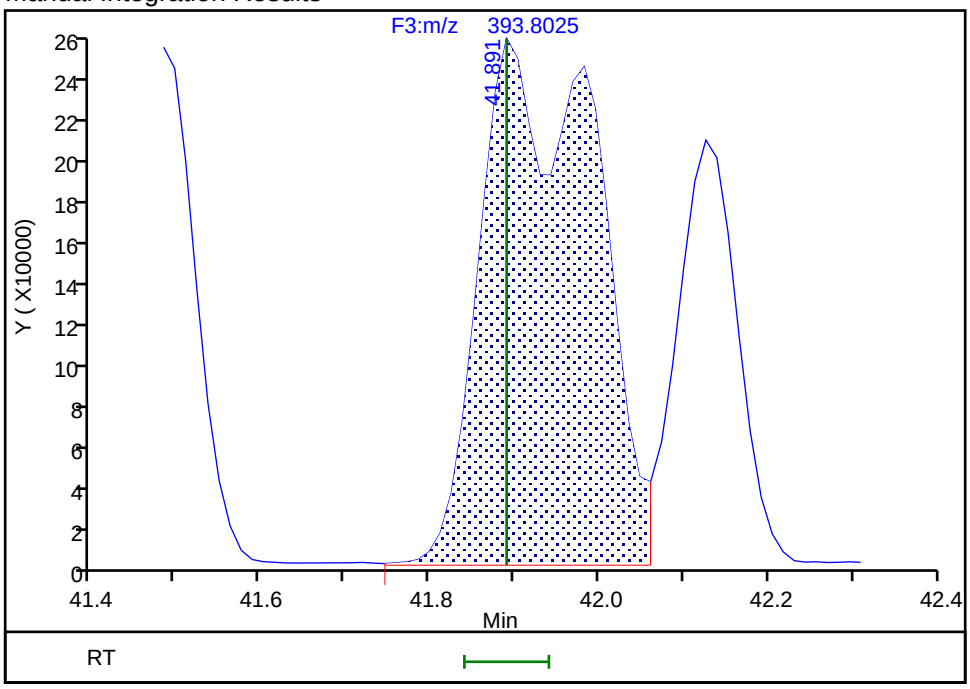
Processing Integration Results

RT: 41.89
Area: 1326178
Amount: 48.649001
Amount Units: pg/ul




Manual Integration Results

RT: 41.89
Area: 2462597
Amount: 95.073820
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 14:33:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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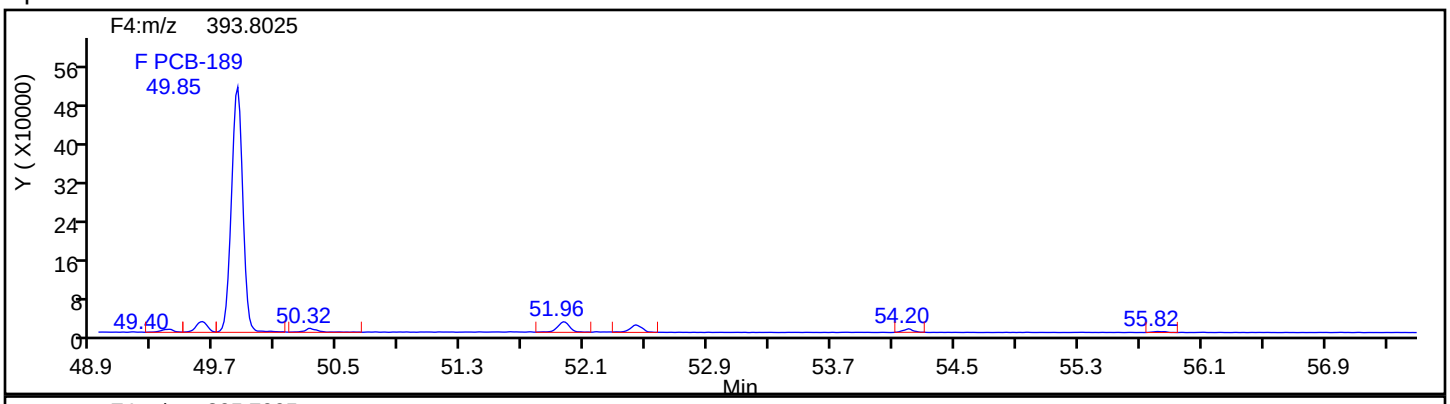
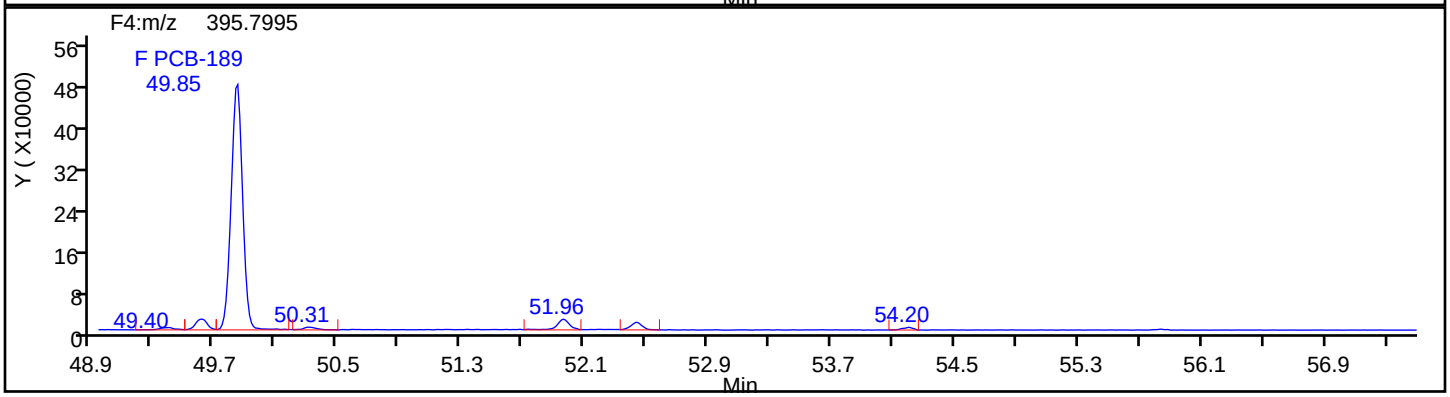
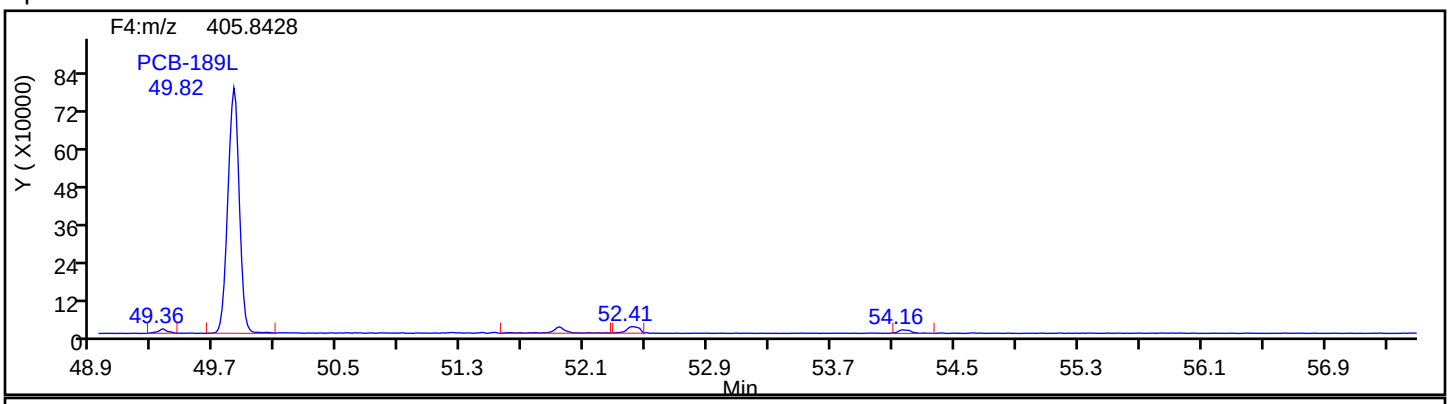
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

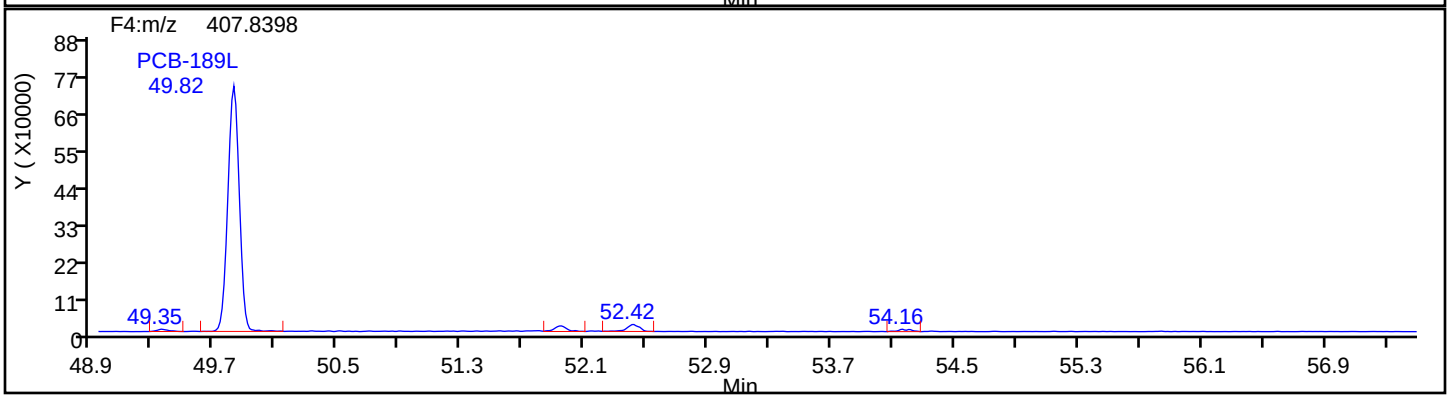
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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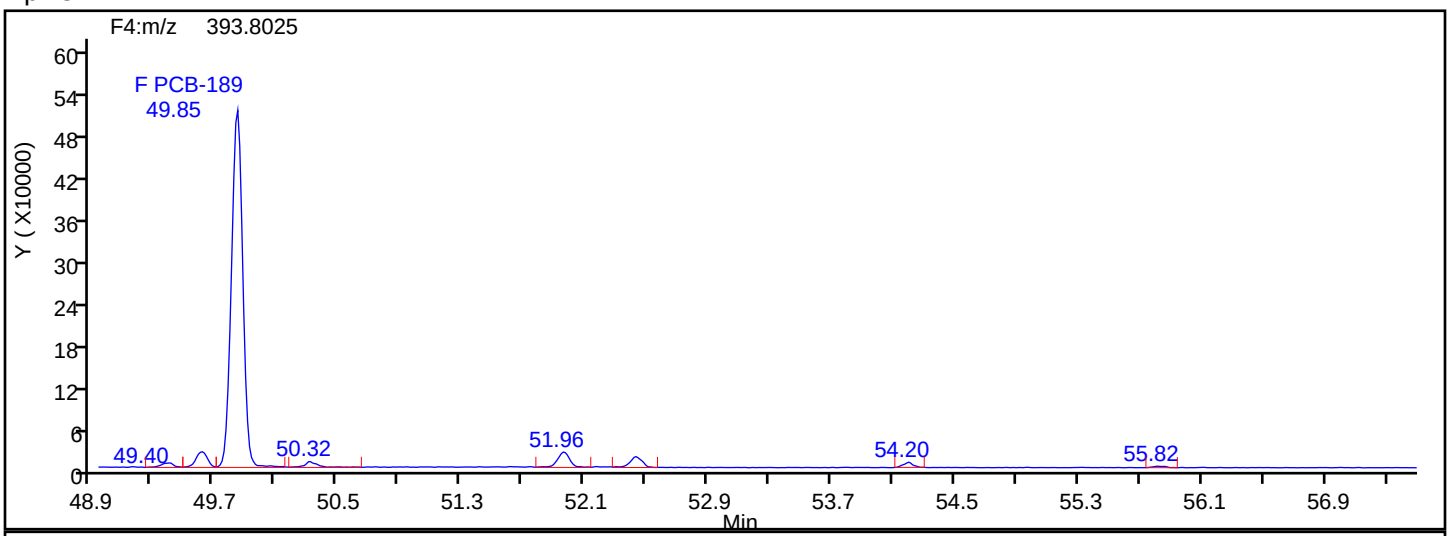
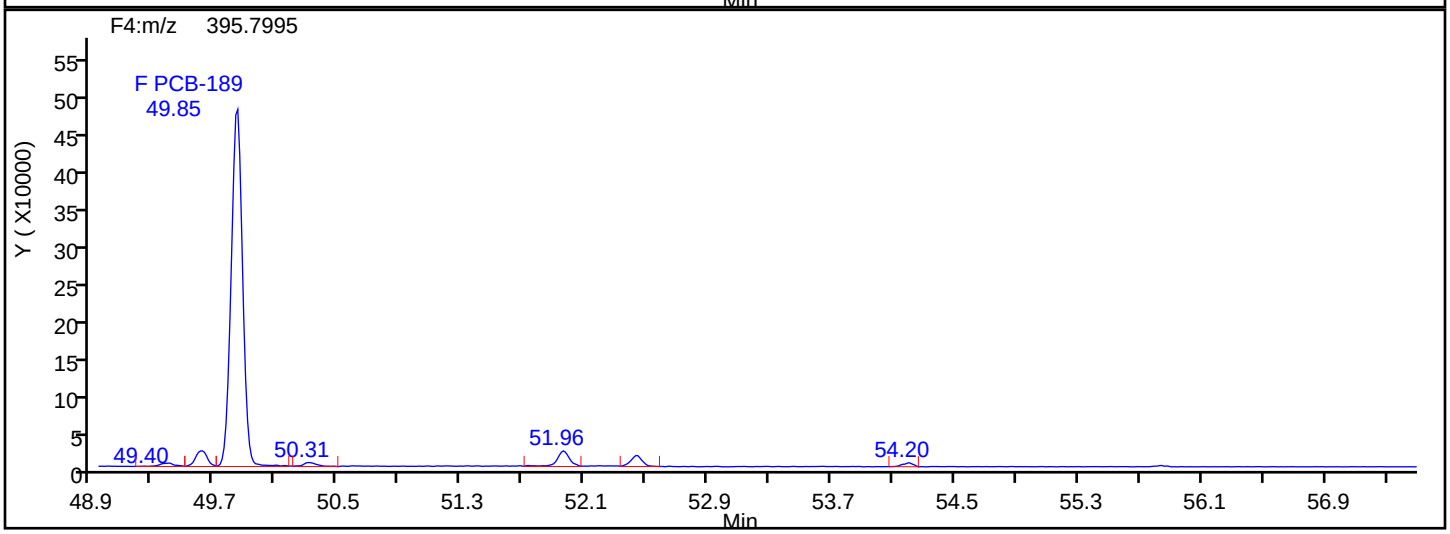
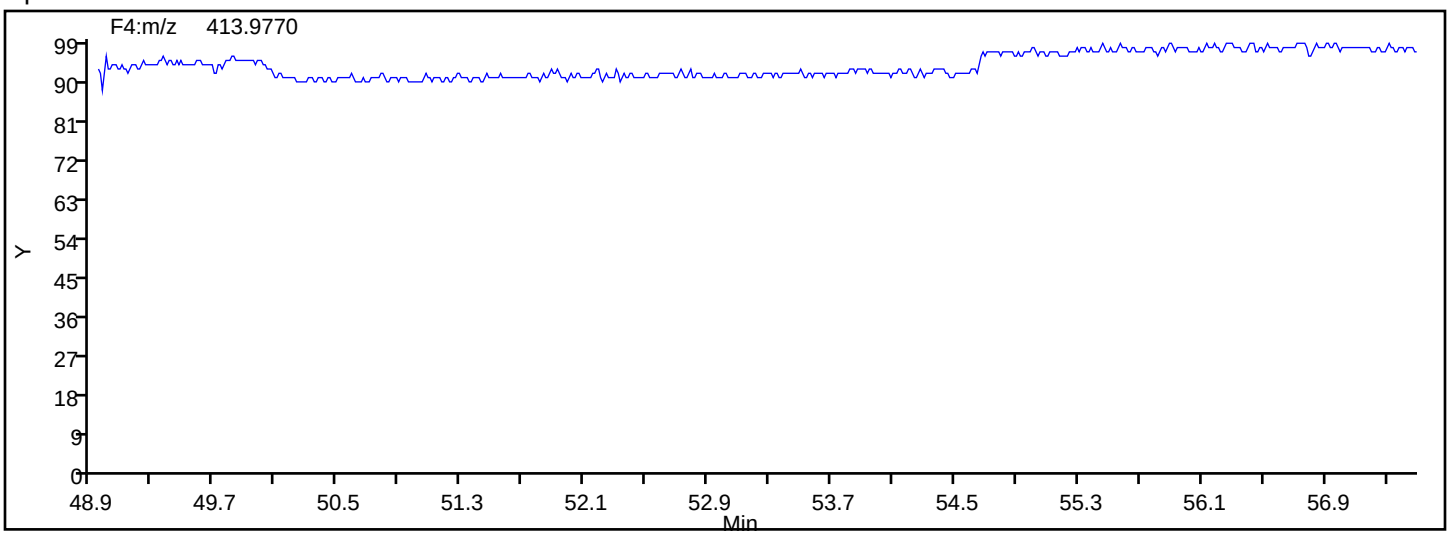
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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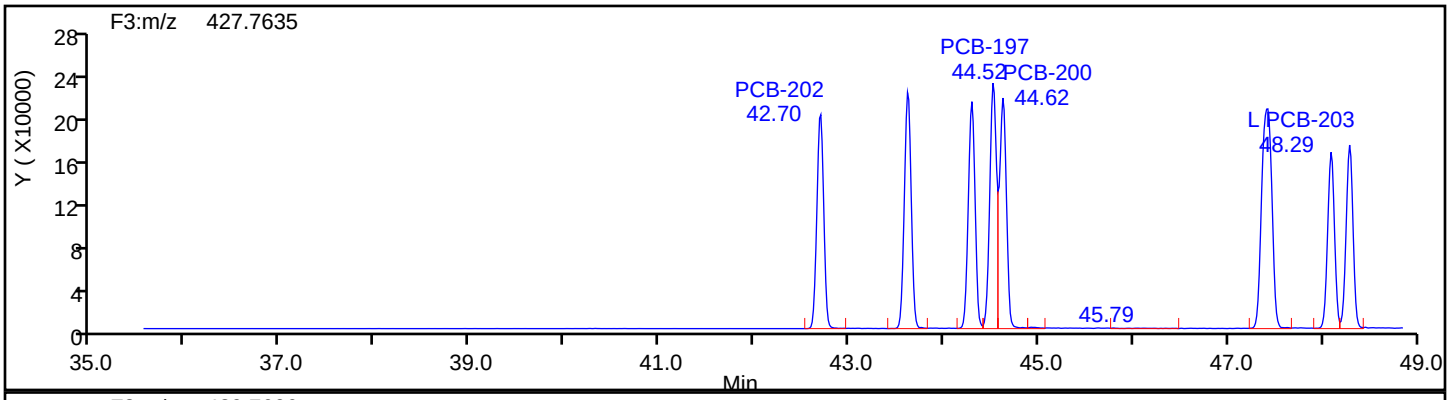
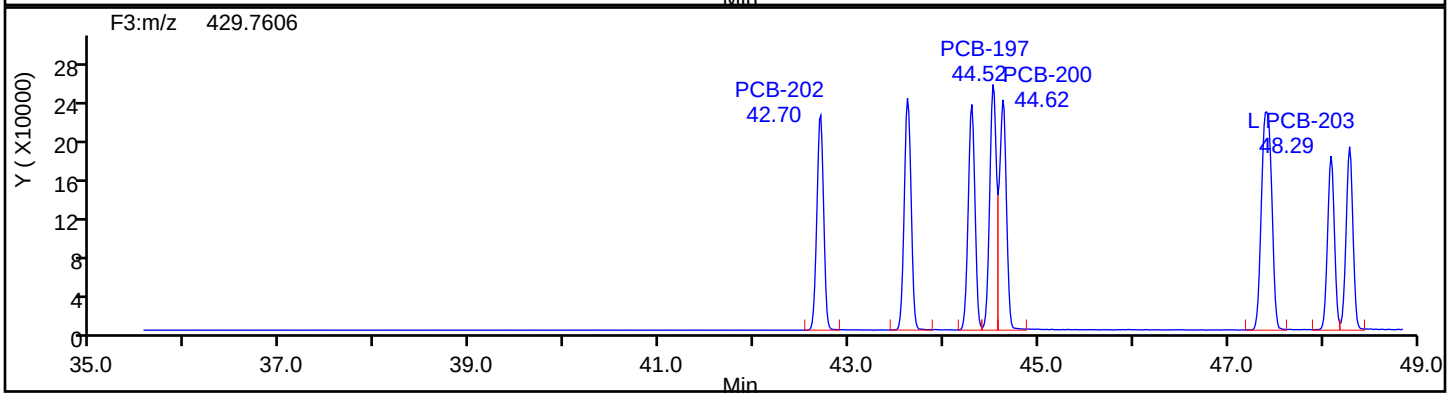
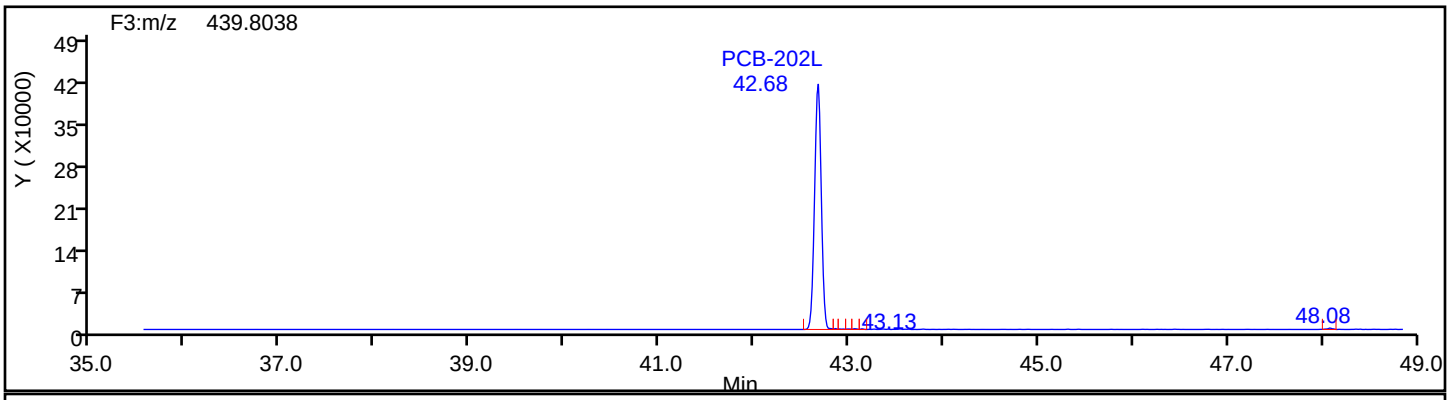
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

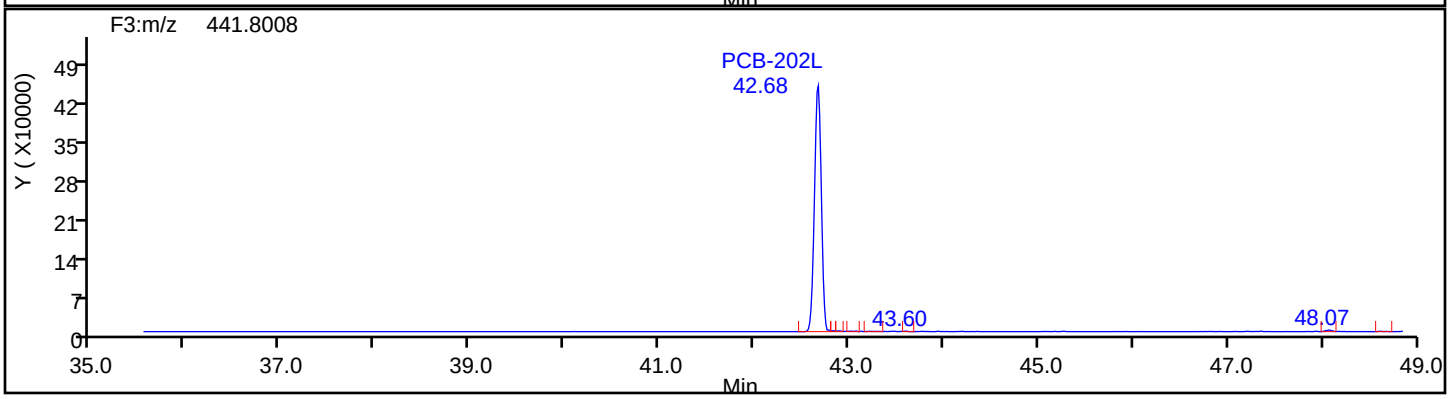
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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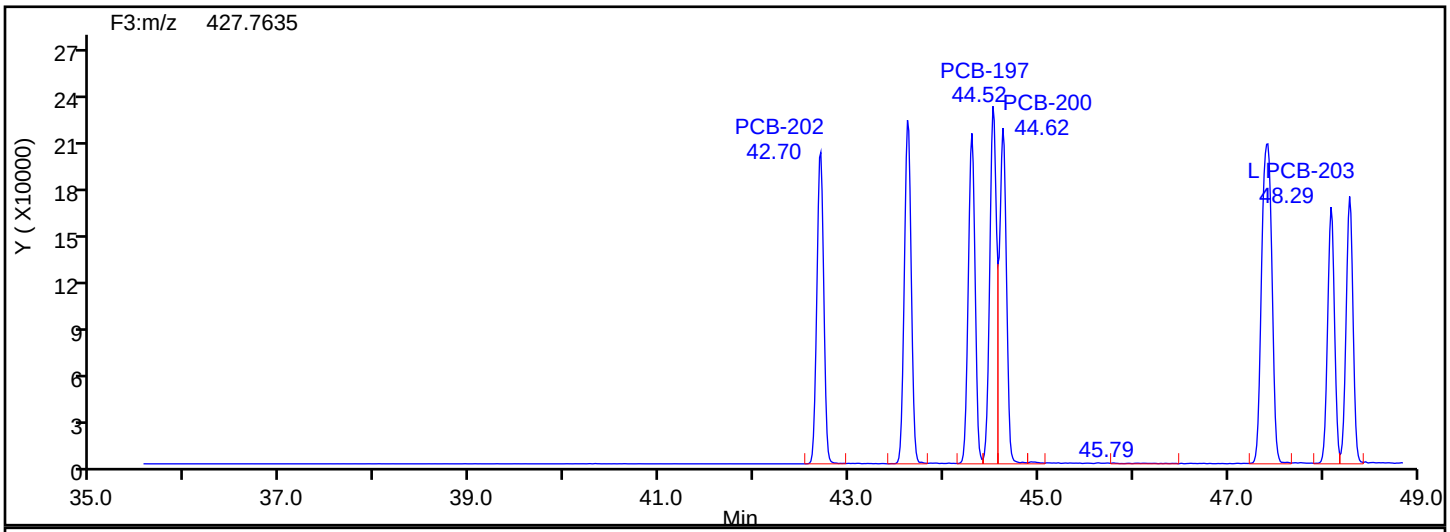
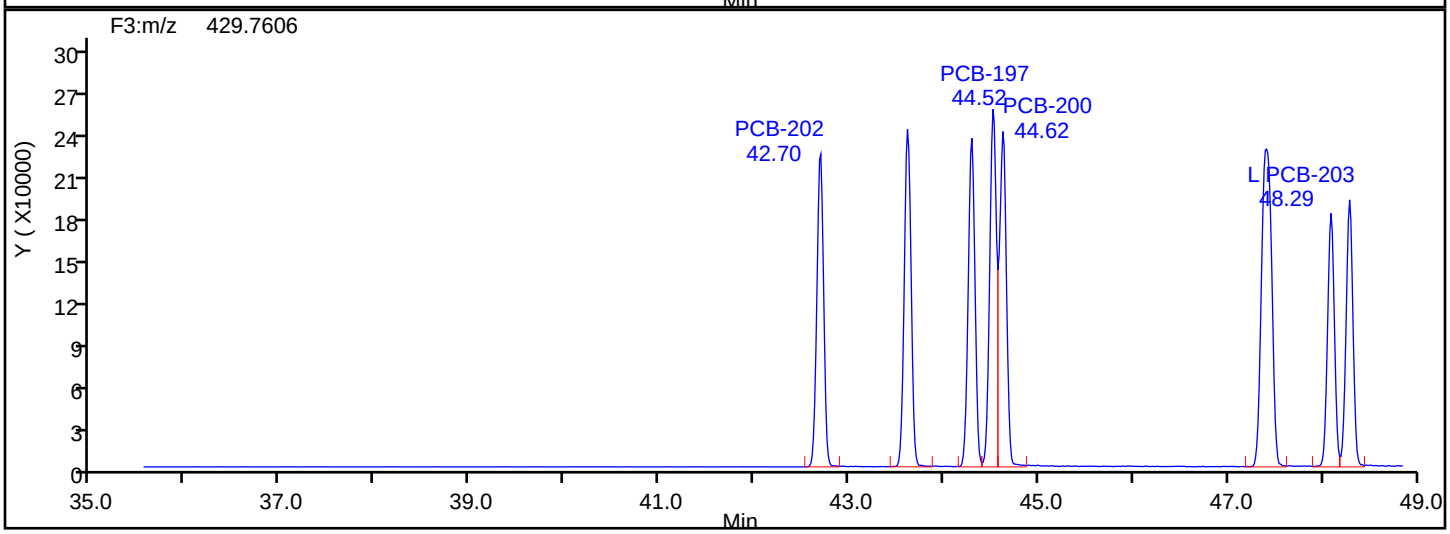
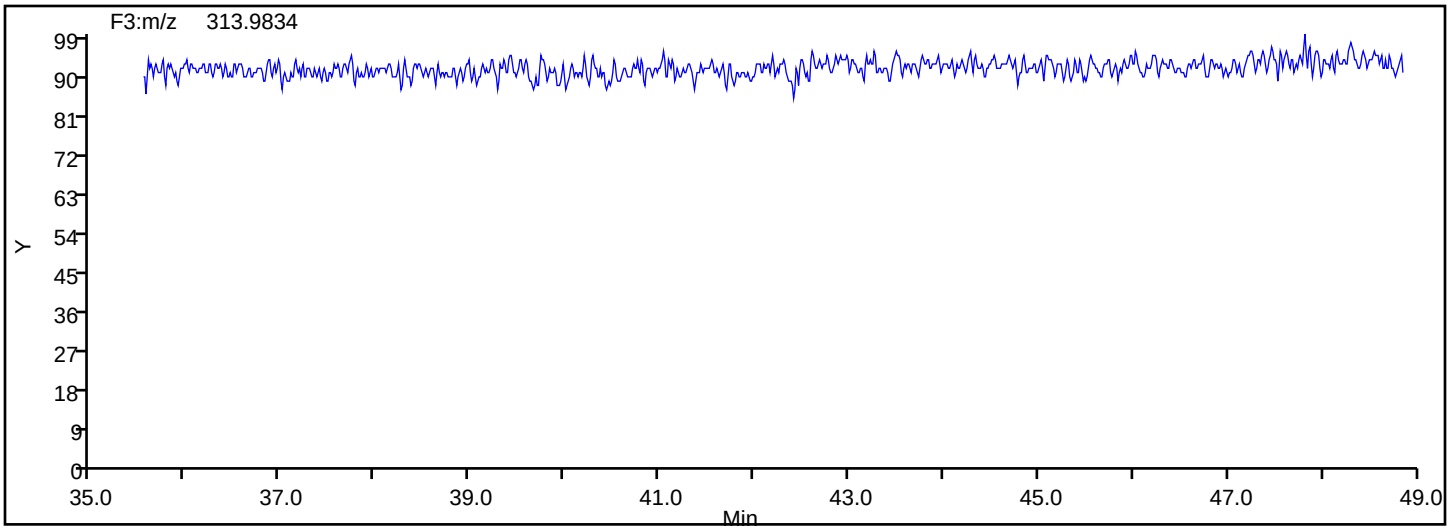
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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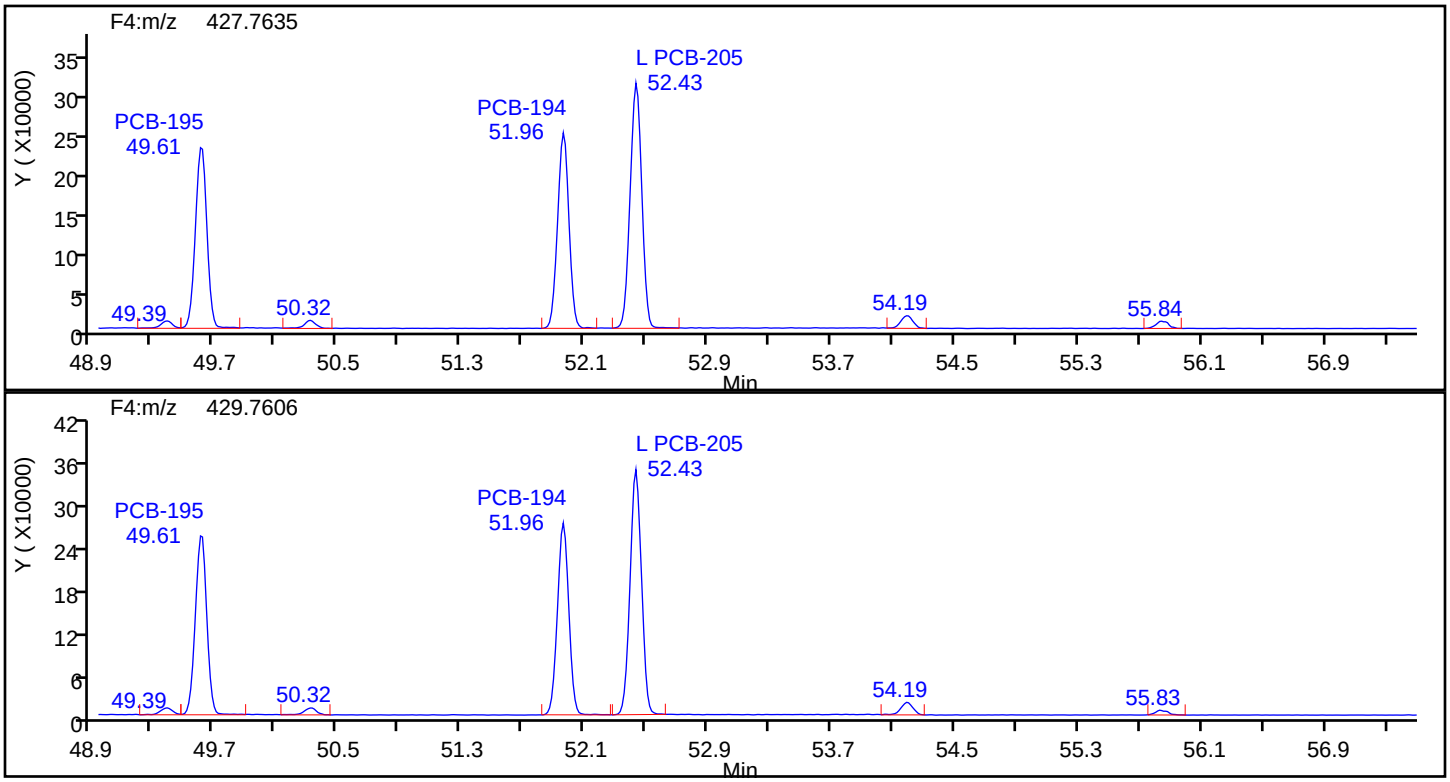
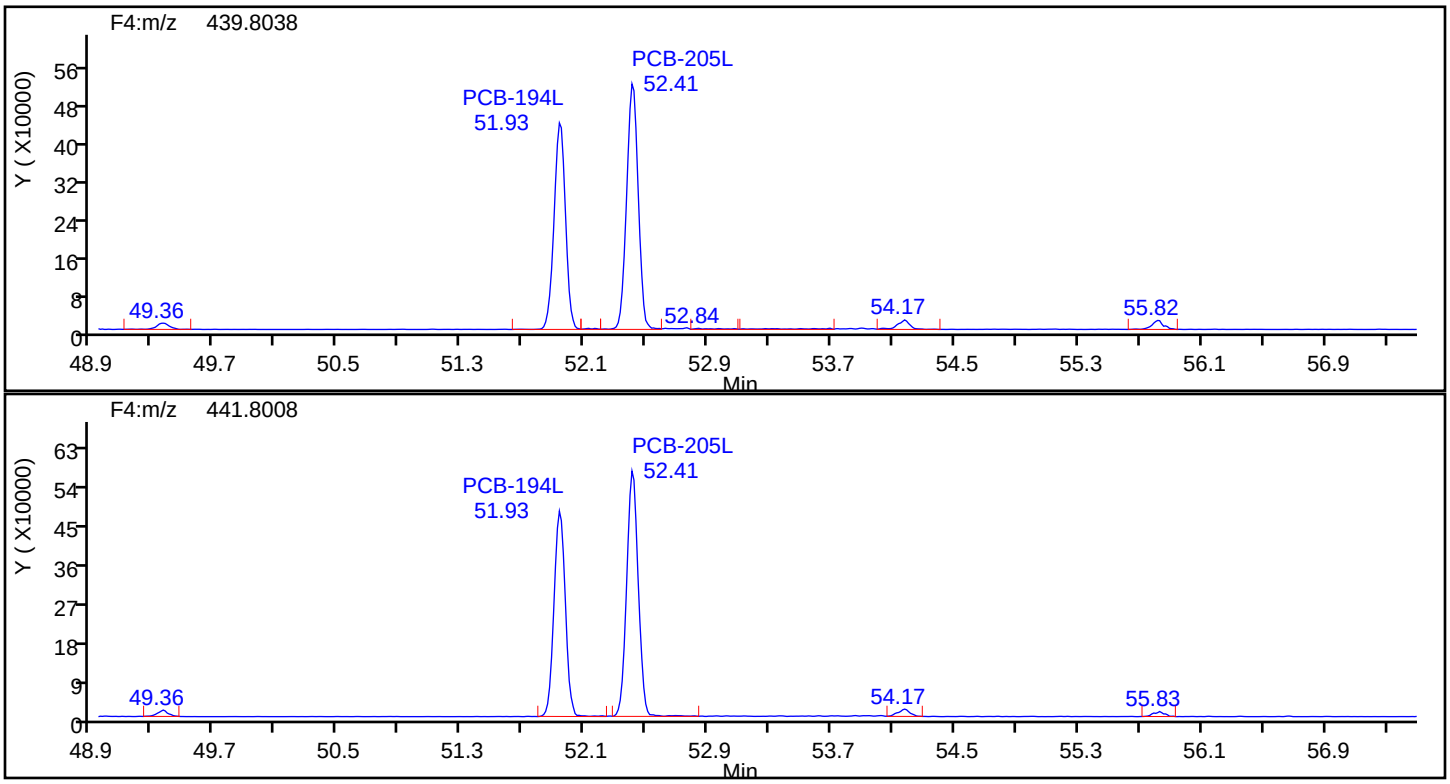
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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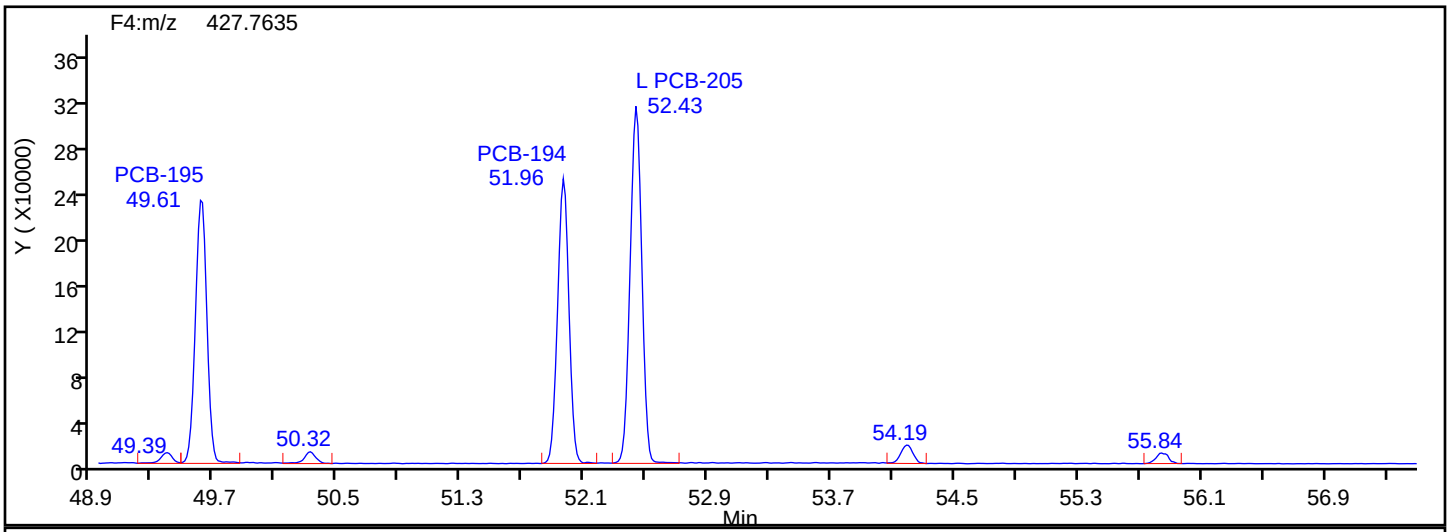
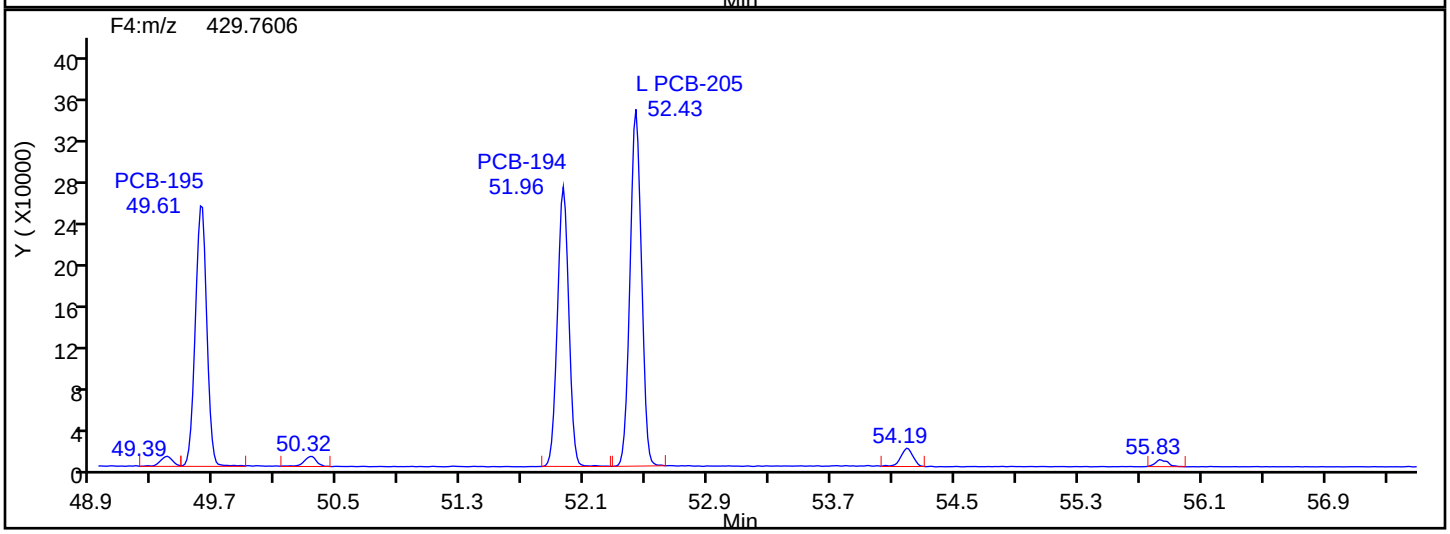
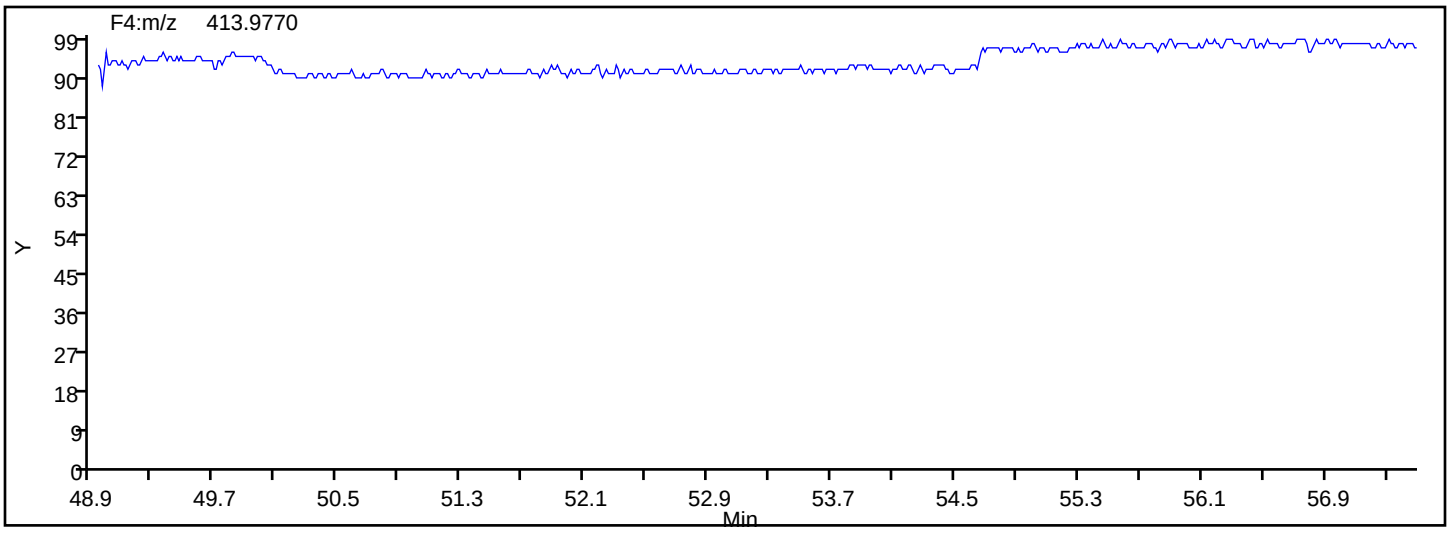
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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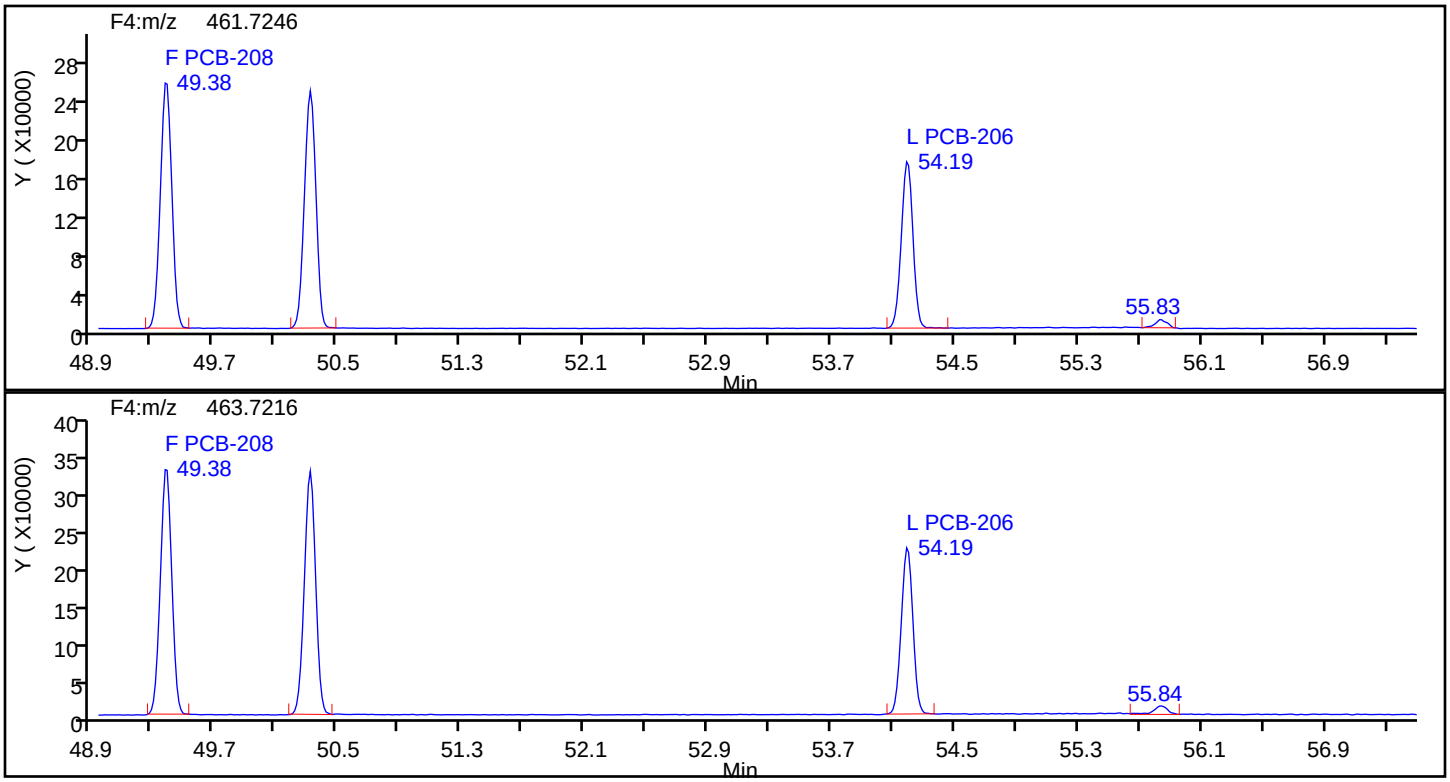
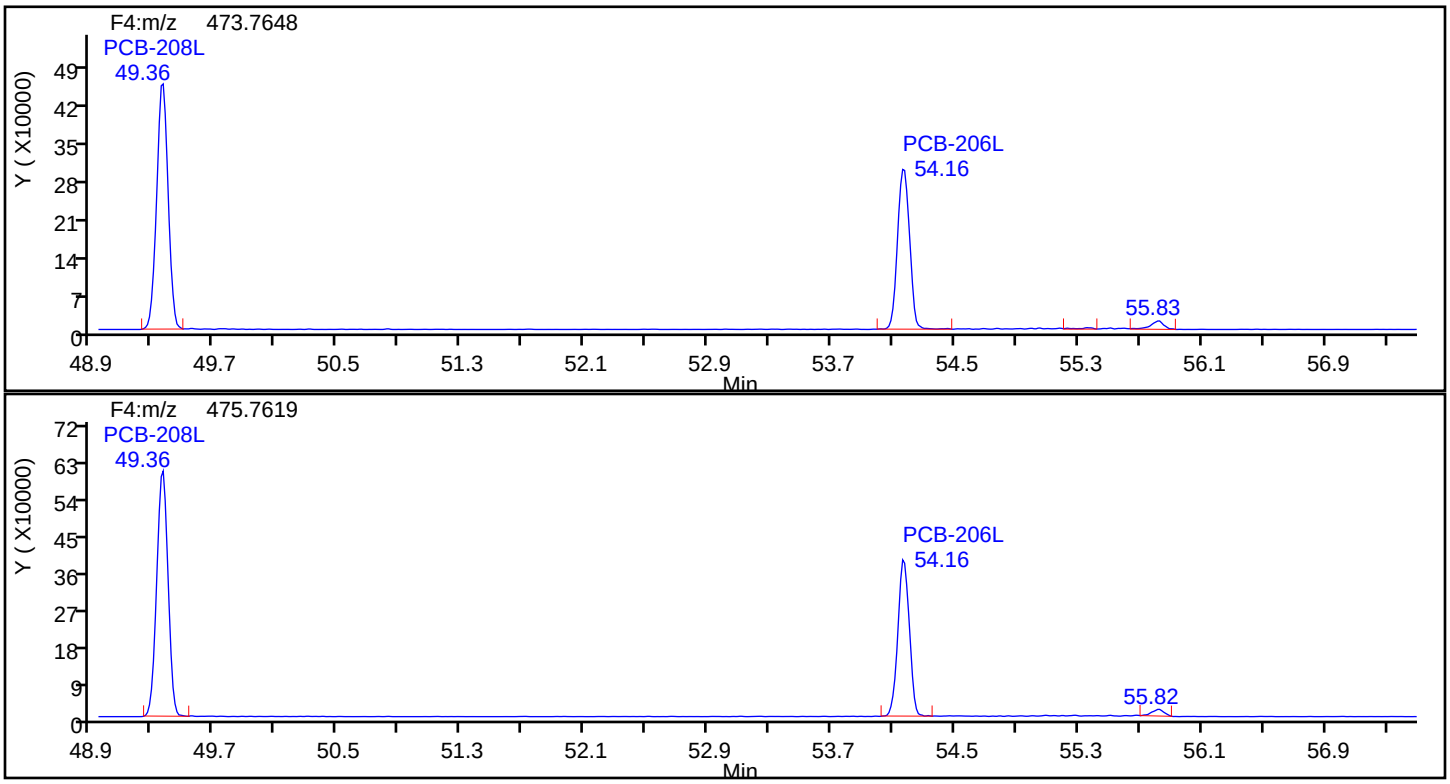
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

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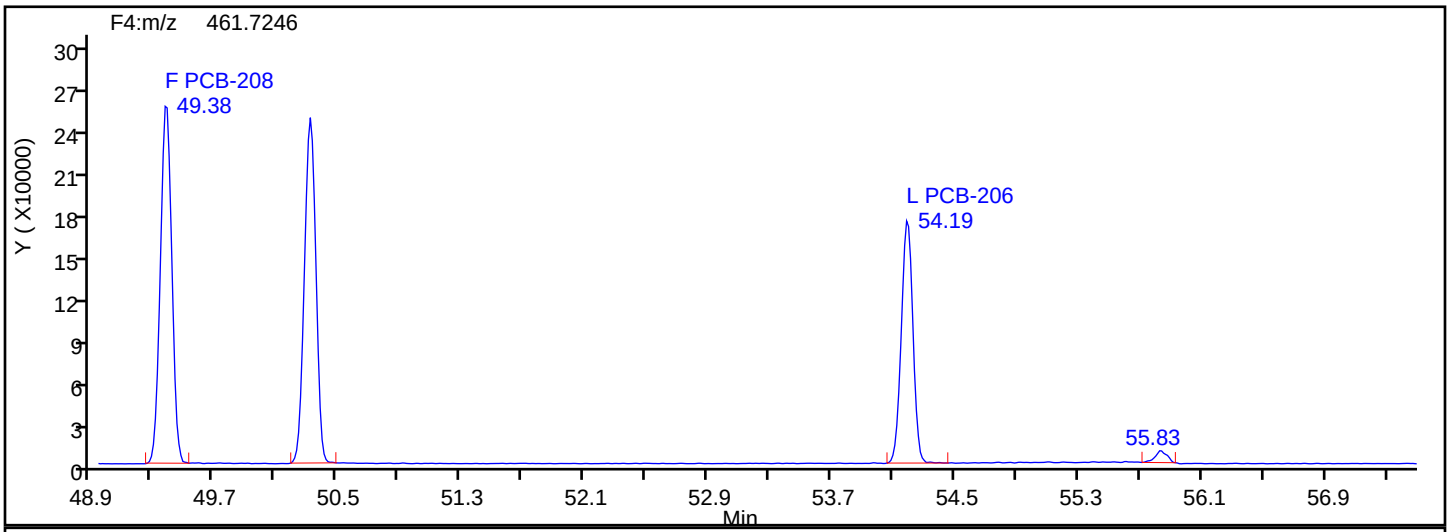
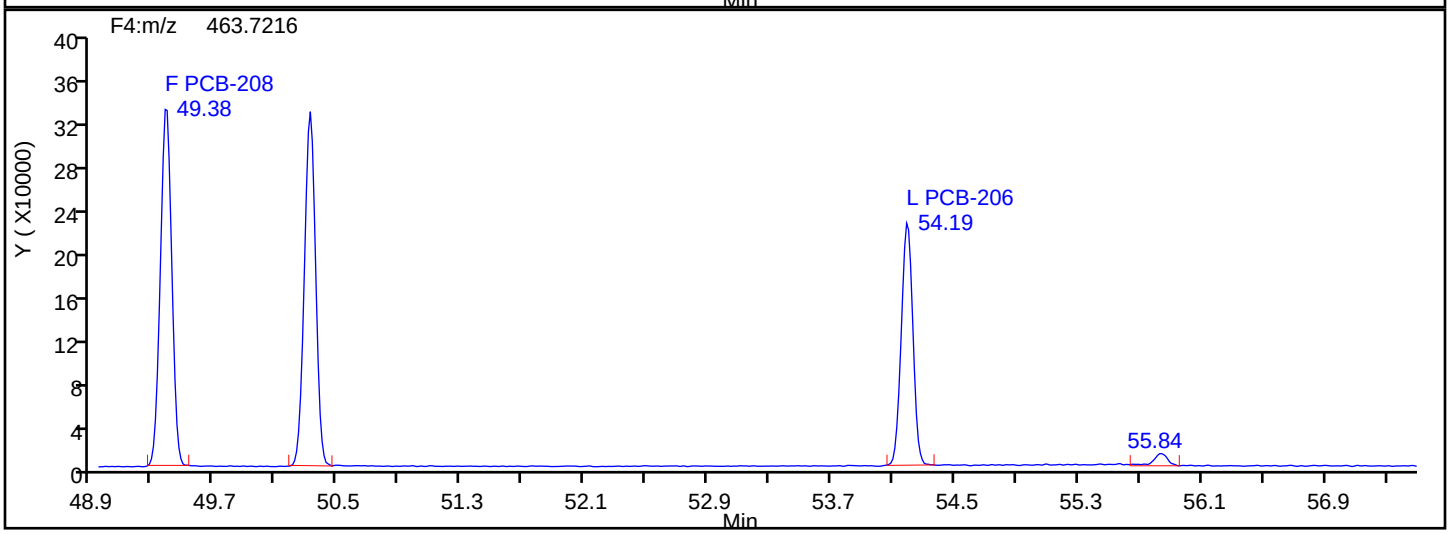
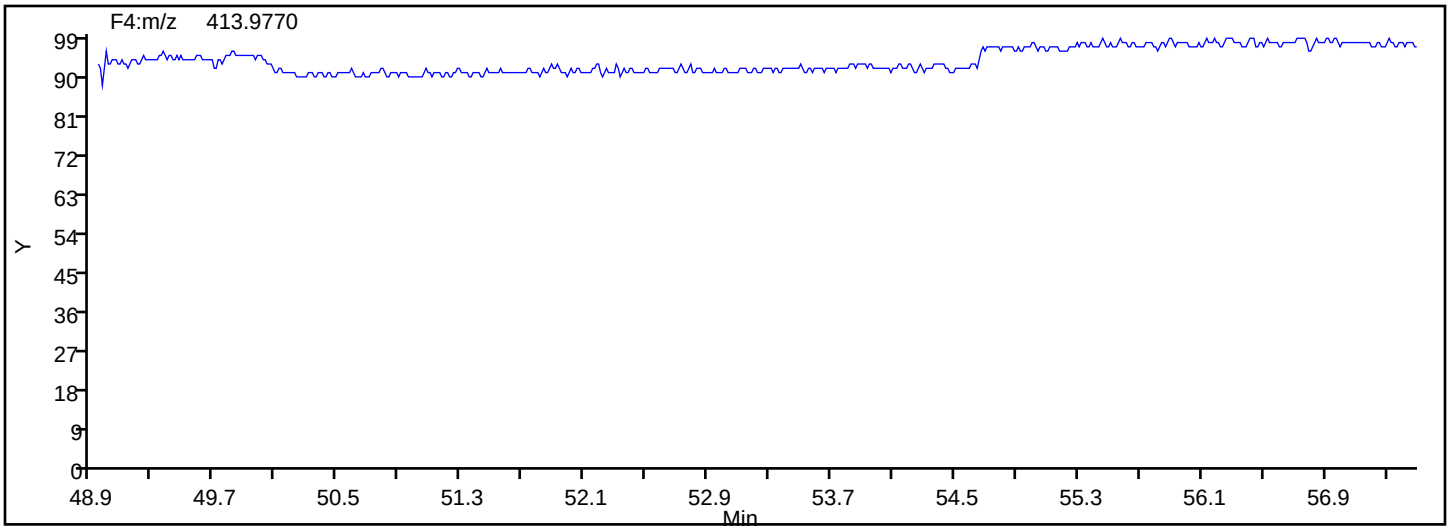
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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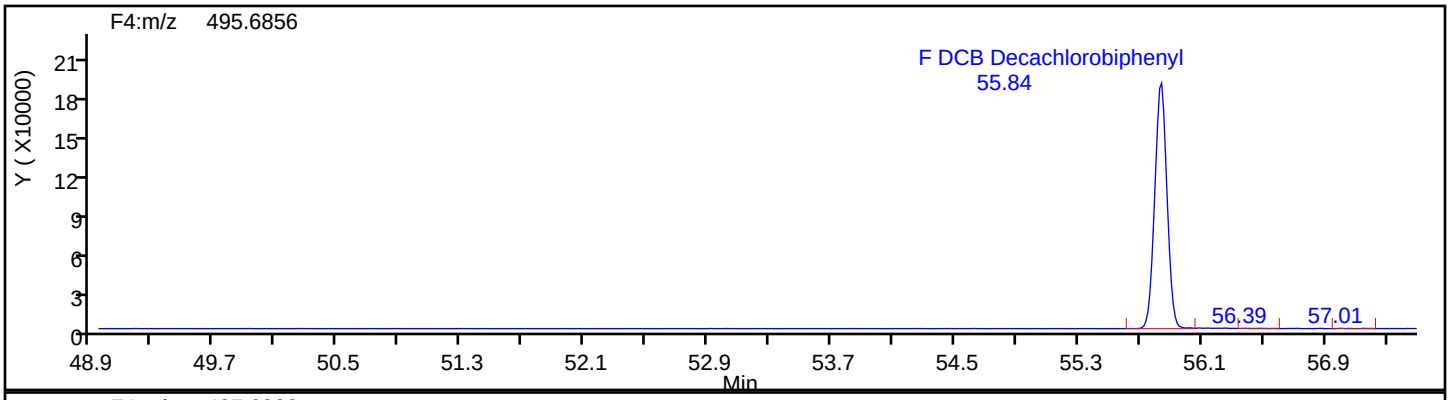
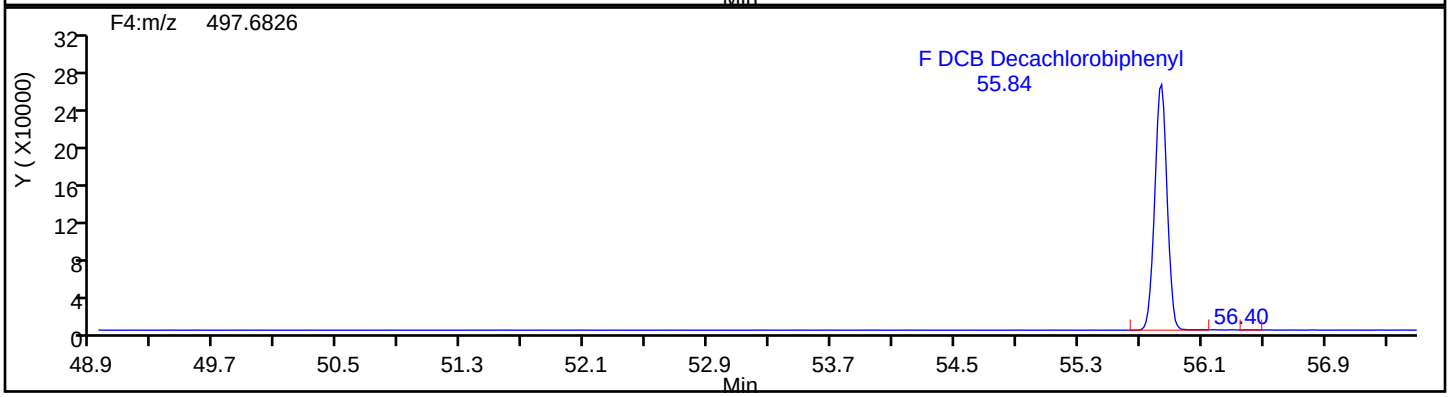
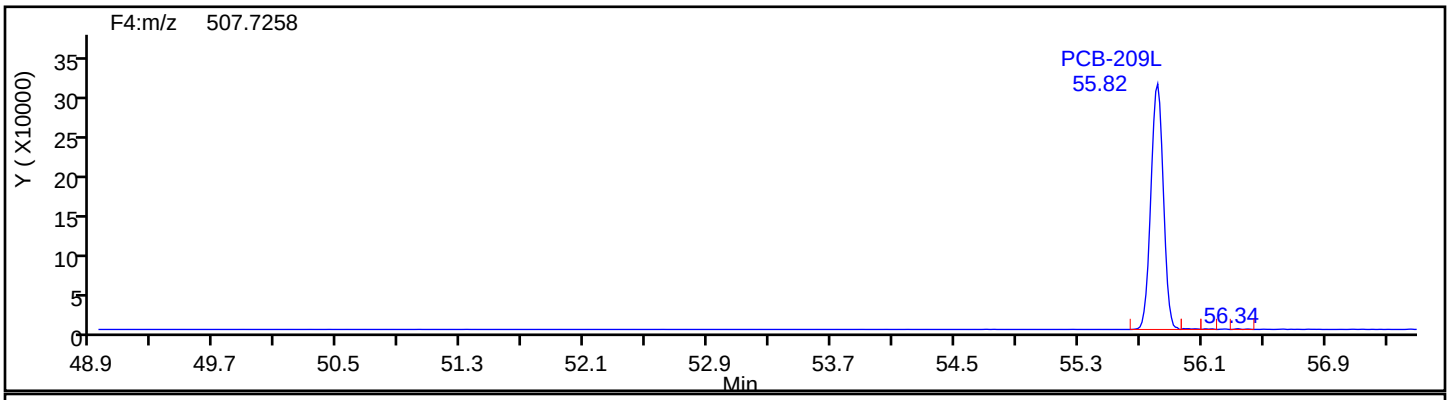
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

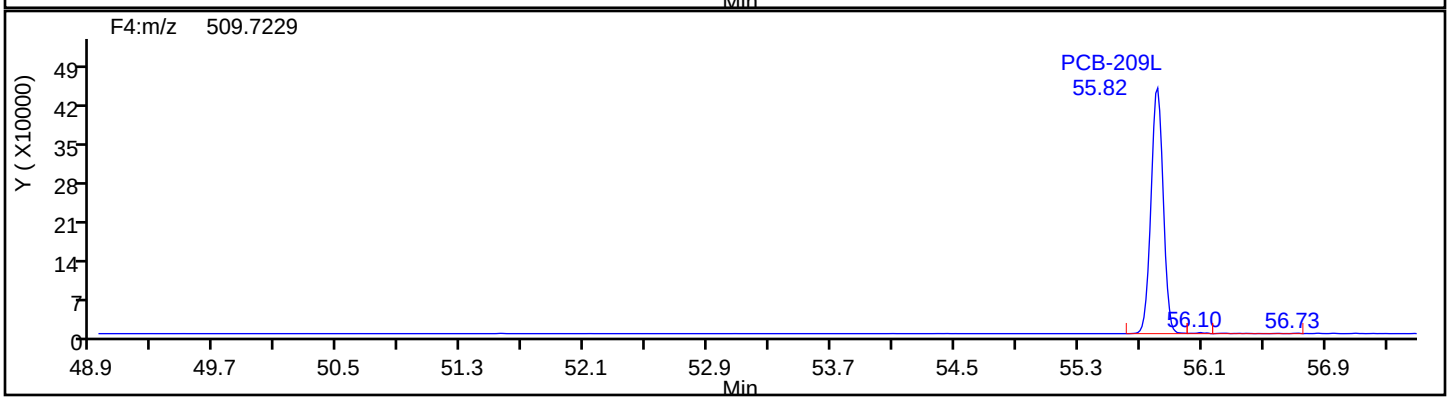
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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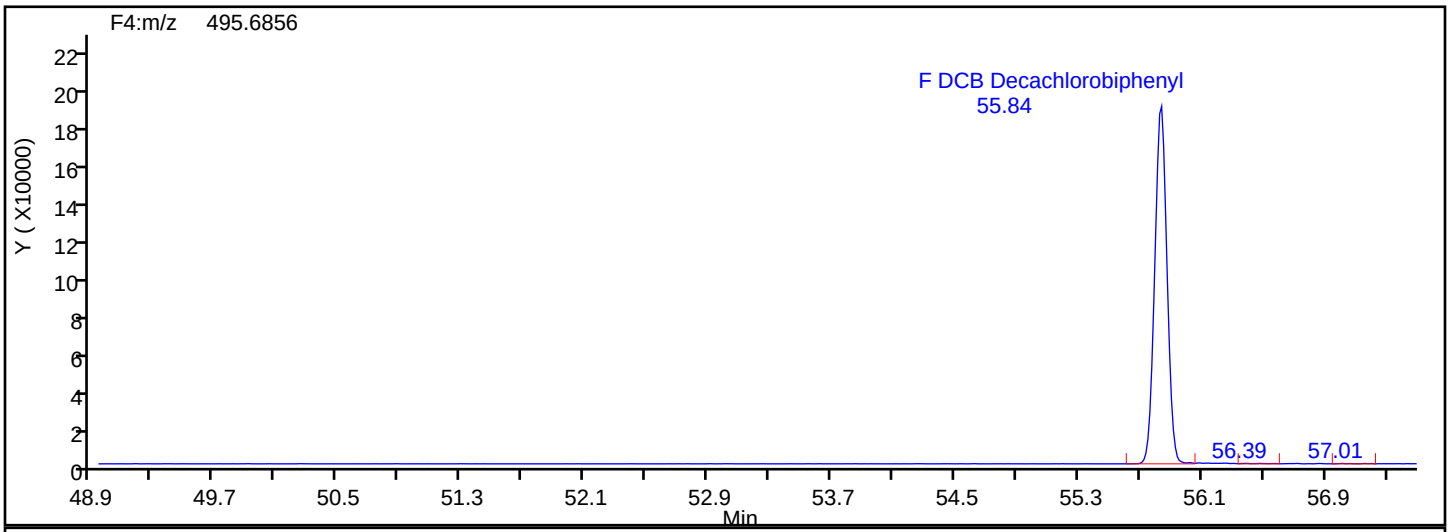
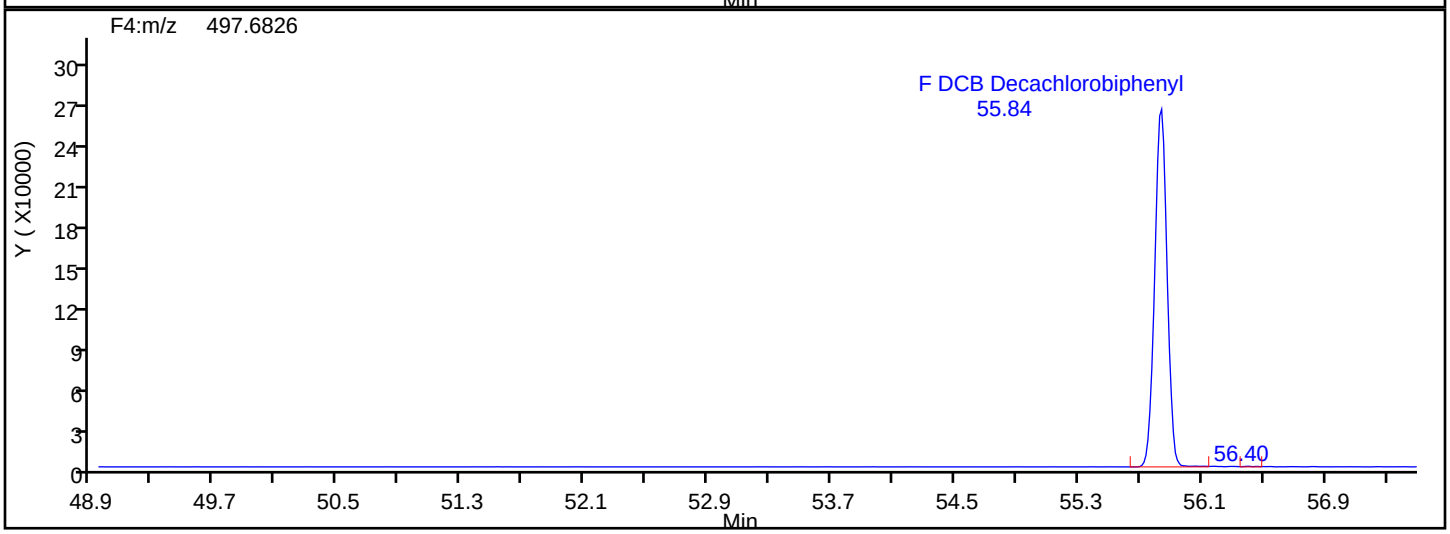
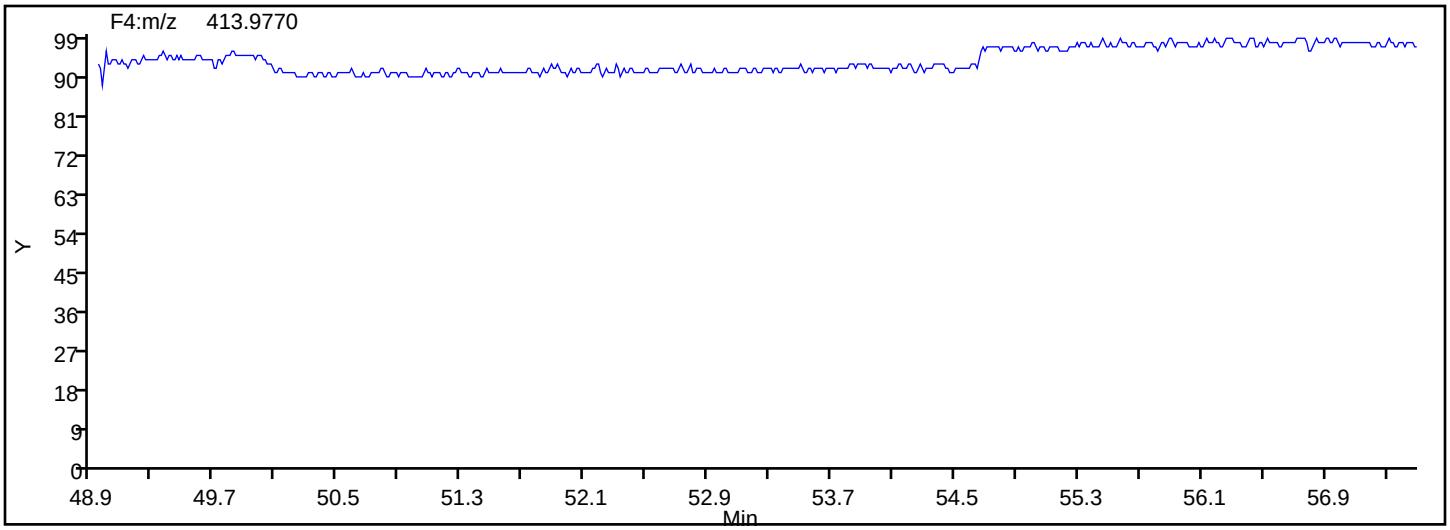
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\d4191009s1.d | | |
| Injection Date: | 09-Oct-2019 13:16:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34314/1  Calibration Date: 10/10/2019 00:50

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191010s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.171 | | 49.3 | 50.0 | 99 | 70-130 |
| PCB-2 | AveID | 1.191 | 1.216 | | 51.0 | 50.0 | 102 | 70-130 |
| PCB-3 | AveID | 1.213 | 1.193 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-4 | AveID | 1.253 | 1.219 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-10 | AveID | 1.483 | 1.441 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-9 | AveID | 1.420 | 1.385 | | 48.8 | 50.0 | 98 | 70-130 |
| PCB-7 | AveID | 1.624 | 1.540 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-6 | AveID | 1.554 | 1.418 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-5 | AveID | 1.561 | 1.456 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-8 | AveID | 1.588 | 1.506 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-19 | AveID | 1.305 | 1.224 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-14 | AveID | 1.874 | 1.740 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-18 | AveID | 1.819 | 1.677 | | 92.2 | 100 | 92 | 70-130 |
| PCB-18/30 | AveID | 1.819 | 1.677 | | 92.2 | 100 | 92 | 70-130 |
| PCB-30 | AveID | 1.819 | 1.677 | | 92.2 | 100 | 92 | 70-130 |
| PCB-11 | AveID | 1.635 | 1.513 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-17 | AveID | 1.564 | 1.467 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-12 | AveID | 1.641 | 1.552 | | 94.6 | 100 | 95 | 70-130 |
| PCB-12/13 | AveID | 1.641 | 1.552 | | 94.6 | 100 | 95 | 70-130 |
| PCB-13 | AveID | 1.641 | 1.552 | | 94.6 | 100 | 95 | 70-130 |
| PCB-27 | AveID | 2.168 | 2.025 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-24 | AveID | 2.102 | 1.903 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-16 | AveID | 1.226 | 1.158 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-15 | AveID | 1.402 | 1.316 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-54 | AveID | 1.256 | 1.300 | | 51.8 | 50.0 | 104 | 70-130 |
| PCB-32 | AveID | 2.342 | 2.086 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-34 | AveID | 1.215 | 1.206 | | 49.6 | 50.0 | 99 | 70-130 |
| PCB-23 | AveID | 1.268 | 1.247 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-26 | AveID | 1.319 | 1.249 | | 94.7 | 100 | 95 | 70-130 |
| PCB-26/29 | AveID | 1.319 | 1.249 | | 94.7 | 100 | 95 | 70-130 |
| PCB-29 | AveID | 1.319 | 1.249 | | 94.7 | 100 | 95 | 70-130 |
| PCB-25 | AveID | 1.352 | 1.302 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-50 | AveID | 0.9362 | 0.8090 | | 86.4 | 100 | 86 | 70-130 |
| PCB-50/53 | AveID | 0.9362 | 0.8090 | | 86.4 | 100 | 86 | 70-130 |
| PCB-53 | AveID | 0.9362 | 0.8090 | | 86.4 | 100 | 86 | 70-130 |
| PCB-31 | AveID | 1.381 | 1.324 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-20 | AveID | 1.306 | 1.228 | | 94.1 | 100 | 94 | 70-130 |
| PCB-20/28 | AveID | 1.306 | 1.228 | | 94.1 | 100 | 94 | 70-130 |
| PCB-28 | AveID | 1.306 | 1.228 | | 94.1 | 100 | 94 | 70-130 |
| PCB-45 | AveID | 0.8850 | 0.7692 | | 86.9 | 100 | 87 | 70-130 |
| PCB-45/51 | AveID | 0.8850 | 0.7692 | | 86.9 | 100 | 87 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34314/1  Calibration Date: 10/10/2019 00:50

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191010s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.7692 | | 86.9 | 100 | 87 | 70-130 |
| PCB-21 | AveID | 1.378 | 1.301 | | 94.4 | 100 | 94 | 70-130 |
| PCB-21/33 | AveID | 1.378 | 1.301 | | 94.4 | 100 | 94 | 70-130 |
| PCB-33 | AveID | 1.378 | 1.301 | | 94.4 | 100 | 94 | 70-130 |
| PCB-46 | AveID | 0.7591 | 0.6711 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-22 | AveID | 1.243 | 1.223 | | 49.2 | 50.0 | 98 | 70-130 |
| PCB-52 | AveID | 0.8992 | 0.8170 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-43 | AveID | 0.999 | 0.9114 | | 91.2 | 100 | 91 | 70-130 |
| PCB-43/73 | AveID | 0.999 | 0.9114 | | 91.2 | 100 | 91 | 70-130 |
| PCB-73 | AveID | 0.999 | 0.9114 | | 91.2 | 100 | 91 | 70-130 |
| PCB-36 | AveID | 1.347 | 1.359 | | 50.5 | 50.0 | 101 | 70-130 |
| PCB-49 | AveID | 1.137 | 1.011 | | 88.9 | 100 | 89 | 70-130 |
| PCB-49/69 | AveID | 1.137 | 1.011 | | 88.9 | 100 | 89 | 70-130 |
| PCB-69 | AveID | 1.137 | 1.011 | | 88.9 | 100 | 89 | 70-130 |
| PCB-39 | AveID | 1.397 | 1.359 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-48 | AveID | 0.9454 | 0.8309 | | 43.9 | 50.0 | 88 | 70-130 |
| PCB-104 | AveID | 1.393 | 1.291 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-44 | AveID | 1.032 | 0.8911 | | 129 | 150 | 86 | 70-130 |
| PCB-44/47/65 | AveID | 1.032 | 0.8911 | | 129 | 150 | 86 | 70-130 |
| PCB-47 | AveID | 1.032 | 0.8911 | | 129 | 150 | 86 | 70-130 |
| PCB-65 | AveID | 1.032 | 0.8911 | | 129 | 150 | 86 | 70-130 |
| PCB-38 | AveID | 1.318 | 1.224 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-59 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-59/62/75 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-62 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-75 | AveID | 1.361 | 1.152 | | 127 | 150 | 85 | 70-130 |
| PCB-96 | AveID | 1.227 | 1.135 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-42 | AveID | 0.8670 | 0.7975 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-35 | AveID | 1.217 | 1.255 | | 51.6 | 50.0 | 103 | 70-130 |
| PCB-40 | AveID | 0.9179 | 0.7925 | | 130 | 150 | 86 | 70-130 |
| PCB-40/41/71 | AveID | 0.9179 | 0.7925 | | 130 | 150 | 86 | 70-130 |
| PCB-41 | AveID | 0.9179 | 0.7925 | | 130 | 150 | 86 | 70-130 |
| PCB-71 | AveID | 0.9179 | 0.7925 | | 130 | 150 | 86 | 70-130 |
| PCB-37 | AveID | 1.288 | 1.292 | | 50.2 | 50.0 | 100 | 70-130 |
| PCB-64 | AveID | 1.416 | 1.191 | | 42.1 | 50.0 | 84 | 70-130 |
| PCB-72 | AveID | 1.316 | 1.117 | | 42.4 | 50.0 | 85 | 70-130 |
| PCB-103 | AveID | 1.033 | 0.9840 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-68 | AveID | 1.478 | 1.329 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-94 | AveID | 0.9036 | 0.8597 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-57 | AveID | 1.282 | 1.156 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-95 | AveID | 0.9620 | 0.9031 | | 46.9 | 50.0 | 94 | 70-130 |

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HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34314/1  Calibration Date: 10/10/2019 00:50

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191010s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.205 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-100 | AveID | 0.9806 | 0.8979 | | 91.6 | 100 | 92 | 70-130 |
| PCB-93 | AveID | 0.9806 | 0.8979 | | 91.6 | 100 | 92 | 70-130 |
| PCB-93/100 | AveID | 0.9806 | 0.8979 | | 91.6 | 100 | 92 | 70-130 |
| PCB-67 | AveID | 1.394 | 1.233 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-102 | AveID | 0.9888 | 0.9277 | | 93.8 | 100 | 94 | 70-130 |
| PCB-98 | AveID | 0.9888 | 0.9277 | | 93.8 | 100 | 94 | 70-130 |
| PCB-98/102 | AveID | 0.9888 | 0.9277 | | 93.8 | 100 | 94 | 70-130 |
| PCB-63 | AveID | 1.468 | 1.326 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-61 | AveID | 1.357 | 1.195 | | 176 | 200 | 88 | 70-130 |
| PCB-61/70/74/76 | AveID | 1.357 | 1.195 | | 176 | 200 | 88 | 70-130 |
| PCB-70 | AveID | 1.357 | 1.195 | | 176 | 200 | 88 | 70-130 |
| PCB-74 | AveID | 1.357 | 1.195 | | 176 | 200 | 88 | 70-130 |
| PCB-76 | AveID | 1.357 | 1.195 | | 176 | 200 | 88 | 70-130 |
| PCB-88 | AveID | 1.005 | 0.9269 | | 92.2 | 100 | 92 | 70-130 |
| PCB-88/91 | AveID | 1.005 | 0.9269 | | 92.2 | 100 | 92 | 70-130 |
| PCB-91 | AveID | 1.005 | 0.9269 | | 92.2 | 100 | 92 | 70-130 |
| PCB-84 | AveID | 0.8601 | 0.7986 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-66 | AveID | 1.280 | 1.179 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-55 | AveID | 1.295 | 1.201 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-89 | AveID | 0.8936 | 0.8555 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-56 | AveID | 1.267 | 1.143 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-121 | AveID | 1.397 | 1.319 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-60 | AveID | 1.329 | 1.209 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-92 | AveID | 0.9532 | 0.9188 | | 48.2 | 50.0 | 96 | 70-130 |
| PCB-80 | AveID | 1.469 | 1.374 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-155 | AveID | 1.303 | 1.219 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-152 | AveID | 1.256 | 1.146 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-101 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-113 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-90 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-90/101/113 | AveID | 1.137 | 1.075 | | 142 | 150 | 95 | 70-130 |
| PCB-150 | AveID | 1.237 | 1.186 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-136 | AveID | 1.156 | 1.100 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-83 | AveID | 0.9393 | 0.9213 | | 98.1 | 100 | 98 | 70-130 |
| PCB-83/99 | AveID | 0.9393 | 0.9213 | | 98.1 | 100 | 98 | 70-130 |
| PCB-99 | AveID | 0.9393 | 0.9213 | | 98.1 | 100 | 98 | 70-130 |
| PCB-112 | AveID | 1.367 | 1.296 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-145 | AveID | 1.191 | 1.123 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-109 | AveID | 1.196 | 1.090 | | 274 | 300 | 91 | 70-130 |
| PCB-119 | AveID | 1.196 | 1.090 | | 274 | 300 | 91 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34314/1  Calibration Date: 10/10/2019 00:50

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191010s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.090 | | 274 | 300 | 91 | 70-130 |
| PCB-79 | AveID | 1.542 | 1.371 | | 44.5 | 50.0 | 89 | 70-130 |
| PCB-86 | AveID | 1.196 | 1.090 | | 274 | 300 | 91 | 70-130 |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.090 | | 274 | 300 | 91 | 70-130 |
| PCB-87 | AveID | 1.196 | 1.090 | | 274 | 300 | 91 | 70-130 |
| PCB-97 | AveID | 1.196 | 1.090 | | 274 | 300 | 91 | 70-130 |
| PCB-78 | AveID | 1.315 | 1.179 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-116 | AveID | 1.213 | 1.152 | | 143 | 150 | 95 | 70-130 |
| PCB-117 | AveID | 1.213 | 1.152 | | 143 | 150 | 95 | 70-130 |
| PCB-85 | AveID | 1.213 | 1.152 | | 143 | 150 | 95 | 70-130 |
| PCB-85/116/117 | AveID | 1.213 | 1.152 | | 143 | 150 | 95 | 70-130 |
| PCB-110 | AveID | 1.351 | 1.289 | | 95.4 | 100 | 95 | 70-130 |
| PCB-110/115 | AveID | 1.351 | 1.289 | | 95.4 | 100 | 95 | 70-130 |
| PCB-115 | AveID | 1.351 | 1.289 | | 95.4 | 100 | 95 | 70-130 |
| PCB-81 | AveID | 1.321 | 1.251 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-82 | AveID | 0.8675 | 0.8334 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-148 | AveID | 0.8982 | 0.8478 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-77 | AveID | 1.331 | 1.248 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-111 | AveID | 1.426 | 1.377 | | 48.3 | 50.0 | 97 | 70-130 |
| PCB-135 | AveID | 0.8691 | 0.8238 | | 94.8 | 100 | 95 | 70-130 |
| PCB-135/151 | AveID | 0.8691 | 0.8238 | | 94.8 | 100 | 95 | 70-130 |
| PCB-151 | AveID | 0.8691 | 0.8238 | | 94.8 | 100 | 95 | 70-130 |
| PCB-120 | AveID | 1.491 | 1.432 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-154 | AveID | 1.018 | 0.9757 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-144 | AveID | 0.9185 | 0.8861 | | 48.2 | 50.0 | 96 | 70-130 |
| PCB-147 | AveID | 0.9747 | 0.8259 | | 84.7 | 100 | 85 | 70-130 |
| PCB-147/149 | AveID | 0.9747 | 0.8259 | | 84.7 | 100 | 85 | 70-130 |
| PCB-149 | AveID | 0.9747 | 0.8259 | | 84.7 | 100 | 85 | 70-130 |
| PCB-134 | AveID | 0.8518 | 0.7488 | | 87.9 | 100 | 88 | 70-130 |
| PCB-134/143 | AveID | 0.8518 | 0.7488 | | 87.9 | 100 | 88 | 70-130 |
| PCB-143 | AveID | 0.8518 | 0.7488 | | 87.9 | 100 | 88 | 70-130 |
| PCB-108 | AveID | 1.255 | 1.124 | | 89.6 | 100 | 90 | 70-130 |
| PCB-108/124 | AveID | 1.255 | 1.124 | | 89.6 | 100 | 90 | 70-130 |
| PCB-124 | AveID | 1.255 | 1.124 | | 89.6 | 100 | 90 | 70-130 |
| PCB-139 | AveID | 1.000 | 0.8618 | | 86.2 | 100 | 86 | 70-130 |
| PCB-139/140 | AveID | 1.000 | 0.8618 | | 86.2 | 100 | 86 | 70-130 |
| PCB-140 | AveID | 1.000 | 0.8618 | | 86.2 | 100 | 86 | 70-130 |
| PCB-107 | AveID | 1.358 | 1.247 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-131 | AveID | 0.8584 | 0.7675 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-123 | AveID | 1.341 | 1.299 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-106 | AveID | 1.275 | 1.189 | | 46.6 | 50.0 | 93 | 70-130 |

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HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34314/1  Calibration Date: 10/10/2019 00:50

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191010s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.7863 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-118 | AveID | 1.289 | 1.251 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-132 | AveID | 0.8801 | 0.7894 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-122 | AveID | 1.161 | 1.128 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-114 | AveID | 1.405 | 1.298 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-188 | AveID | 1.250 | 1.166 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-133 | AveID | 0.9064 | 0.8178 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-179 | AveID | 1.415 | 1.340 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-165 | AveID | 1.121 | 1.020 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-105 | AveID | 1.289 | 1.230 | | 47.7 | 50.0 | 95 | 70-130 |
| PCB-146 | AveID | 1.008 | 0.9145 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-161 | AveID | 1.337 | 1.129 | | 42.2 | 50.0 | 84 | 70-130 |
| PCB-184 | AveID | 1.419 | 1.298 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-176 | AveID | 1.521 | 1.471 | | 48.3 | 50.0 | 97 | 70-130 |
| PCB-153 | AveID | 1.221 | 1.082 | | 88.6 | 100 | 89 | 70-130 |
| PCB-153/168 | AveID | 1.221 | 1.082 | | 88.6 | 100 | 89 | 70-130 |
| PCB-168 | AveID | 1.221 | 1.082 | | 88.6 | 100 | 89 | 70-130 |
| PCB-141 | AveID | 0.9608 | 0.8787 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-186 | AveID | 1.435 | 1.375 | | 47.9 | 50.0 | 96 | 70-130 |
| PCB-130 | AveID | 0.8274 | 0.7595 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-127 | AveID | 1.284 | 1.235 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-137 | AveID | 1.058 | 0.9481 | | 44.8 | 50.0 | 90 | 70-130 |
| PCB-164 | AveID | 1.253 | 1.105 | | 44.1 | 50.0 | 88 | 70-130 |
| PCB-129 | AveID | 1.084 | 0.9634 | | 178 | 200 | 89 | 70-130 |
| PCB-129/138/160/163 | AveID | 1.084 | 0.9634 | | 178 | 200 | 89 | 70-130 |
| PCB-138 | AveID | 1.084 | 0.9634 | | 178 | 200 | 89 | 70-130 |
| PCB-160 | AveID | 1.084 | 0.9634 | | 178 | 200 | 89 | 70-130 |
| PCB-163 | AveID | 1.084 | 0.9634 | | 178 | 200 | 89 | 70-130 |
| PCB-158 | AveID | 1.386 | 1.238 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-178 | AveID | 1.023 | 0.9871 | | 48.3 | 50.0 | 97 | 70-130 |
| PCB-175 | AveID | 1.069 | 1.036 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-126 | AveID | 1.342 | 1.241 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-128 | AveID | 1.116 | 0.9880 | | 88.5 | 100 | 88 | 70-130 |
| PCB-128/166 | AveID | 1.116 | 0.9880 | | 88.5 | 100 | 88 | 70-130 |
| PCB-166 | AveID | 1.116 | 0.9880 | | 88.5 | 100 | 88 | 70-130 |
| PCB-187 | AveID | 1.111 | 1.087 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-182 | AveID | 1.148 | 1.123 | | 48.9 | 50.0 | 98 | 70-130 |
| PCB-183 | AveID | 1.137 | 1.107 | | 97.4 | 100 | 97 | 70-130 |
| PCB-183/185 | AveID | 1.137 | 1.107 | | 97.4 | 100 | 97 | 70-130 |
| PCB-185 | AveID | 1.137 | 1.107 | | 97.4 | 100 | 97 | 70-130 |
| PCB-174 | AveID | 0.9547 | 0.9671 | | 50.6 | 50.0 | 101 | 70-130 |

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SDG No.:

Lab Sample ID: WDMCCV 140-34314/1  Calibration Date: 10/10/2019 00:50

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GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191010s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.187 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-162 | AveID | 1.362 | 1.242 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-177 | AveID | 0.9426 | 0.9603 | | 50.9 | 50.0 | 102 | 70-130 |
| PCB-202 | AveID | 1.053 | 0.9764 | | 46.4 | 50.0 | 93 | 70-130 |
| PCB-167 | AveID | 1.336 | 1.246 | | 46.6 | 50.0 | 93 | 70-130 |
| PCB-181 | AveID | 1.107 | 1.098 | | 49.6 | 50.0 | 99 | 70-130 |
| PCB-171 | AveID | 0.9603 | 0.9521 | | 99.1 | 100 | 99 | 70-130 |
| PCB-171/173 | AveID | 0.9603 | 0.9521 | | 99.1 | 100 | 99 | 70-130 |
| PCB-173 | AveID | 0.9603 | 0.9521 | | 99.1 | 100 | 99 | 70-130 |
| PCB-201 | AveID | 1.186 | 1.107 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-156 | AveID | 1.276 | 1.213 | | 95.1 | 100 | 95 | 70-130 |
| PCB-156/157 | AveID | 1.276 | 1.213 | | 95.1 | 100 | 95 | 70-130 |
| PCB-157 | AveID | 1.276 | 1.213 | | 95.1 | 100 | 95 | 70-130 |
| PCB-204 | AveID | 1.101 | 1.040 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-197 | AveID | 1.205 | 1.125 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-200 | AveID | 1.126 | 1.064 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-172 | AveID | 0.9918 | 0.9885 | | 49.8 | 50.0 | 100 | 70-130 |
| PCB-192 | AveID | 1.290 | 1.326 | | 51.4 | 50.0 | 103 | 70-130 |
| PCB-180 | AveID | 1.229 | 1.226 | | 99.8 | 100 | 100 | 70-130 |
| PCB-180/193 | AveID | 1.229 | 1.226 | | 99.8 | 100 | 100 | 70-130 |
| PCB-193 | AveID | 1.229 | 1.226 | | 99.8 | 100 | 100 | 70-130 |
| PCB-191 | AveID | 1.385 | 1.376 | | 49.7 | 50.0 | 99 | 70-130 |
| PCB-170 | AveID | 1.270 | 1.260 | | 49.6 | 50.0 | 99 | 70-130 |
| PCB-190 | AveID | 1.377 | 1.373 | | 49.9 | 50.0 | 100 | 70-130 |
| PCB-169 | AveID | 1.283 | 1.176 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-198 | AveID | 0.8183 | 0.7674 | | 93.8 | 100 | 94 | 70-130 |
| PCB-198/199 | AveID | 0.8183 | 0.7674 | | 93.8 | 100 | 94 | 70-130 |
| PCB-199 | AveID | 0.8183 | 0.7674 | | 93.8 | 100 | 94 | 70-130 |
| PCB-196 | AveID | 0.8748 | 0.8004 | | 45.7 | 50.0 | 91 | 70-130 |
| PCB-203 | AveID | 0.9219 | 0.8316 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-208 | AveID | 1.157 | 1.083 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-195 | AveID | 0.7839 | 0.7699 | | 49.1 | 50.0 | 98 | 70-130 |
| PCB-189 | AveID | 1.280 | 1.300 | | 50.8 | 50.0 | 102 | 70-130 |
| PCB-207 | AveID | 1.396 | 1.372 | | 49.1 | 50.0 | 98 | 70-130 |
| PCB-194 | AveID | 0.9282 | 0.8993 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-205 | AveID | 1.234 | 1.170 | | 47.4 | 50.0 | 95 | 70-130 |
| PCB-206 | AveID | 1.193 | 1.115 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-209 | AveID | 1.246 | 1.140 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-1L | Ave | 1.314 | 1.321 | | 101 | 100 | 101 | 50-150 |
| PCB-3L | Ave | 1.362 | 1.420 | | 104 | 100 | 104 | 50-150 |
| PCB-4L | Ave | 0.5996 | 0.6148 | | 103 | 100 | 103 | 50-150 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34314/1  Calibration Date: 10/10/2019 00:50

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191010s1.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.6293 | | 103 | 100 | 103 | 50-150 |
| PCB-15L | Ave | 1.028 | 1.061 | | 103 | 100 | 103 | 50-150 |
| PCB-54L | Ave | 0.6515 | 0.6292 | | 96.6 | 100 | 97 | 50-150 |
| PCB-104L | Ave | 1.116 | 1.231 | | 110 | 100 | 110 | 50-150 |
| PCB-37L | Ave | 0.9024 | 0.9675 | | 107 | 100 | 107 | 50-150 |
| PCB-155L | Ave | 0.9499 | 1.100 | | 116 | 100 | 116 | 50-150 |
| PCB-81L | Ave | 1.233 | 1.390 | | 113 | 100 | 113 | 50-150 |
| PCB-77L | Ave | 1.252 | 1.448 | | 116 | 100 | 116 | 50-150 |
| PCB-123L | Ave | 0.9909 | 0.9605 | | 96.9 | 100 | 97 | 50-150 |
| PCB-118L | Ave | 1.026 | 1.026 | | 100 | 100 | 100 | 50-150 |
| PCB-114L | Ave | 1.003 | 1.007 | | 100 | 100 | 100 | 50-150 |
| PCB-188L | Ave | 1.316 | 1.254 | | 95.3 | 100 | 95 | 50-150 |
| PCB-105L | Ave | 1.001 | 0.9854 | | 98.4 | 100 | 98 | 50-150 |
| PCB-126L | Ave | 0.9020 | 0.9852 | | 109 | 100 | 109 | 50-150 |
| PCB-202L | Ave | 1.006 | 1.054 | | 105 | 100 | 105 | 50-150 |
| PCB-167L | Ave | 1.254 | 1.280 | | 102 | 100 | 102 | 50-150 |
| PCB-156L | Ave | 1.229 | 1.250 | | 203 | 200 | 102 | 50-150 |
| PCB-156L/157L | Ave | 1.229 | 1.250 | | 203 | 200 | 102 | 50-150 |
| PCB-157L | Ave | 1.229 | 1.250 | | 203 | 200 | 102 | 50-150 |
| PCB-170L | Ave | 0.8357 | 0.8006 | | 95.8 | 100 | 96 | 50-150 |
| PCB-169L | Ave | 1.088 | 1.262 | | 116 | 100 | 116 | 50-150 |
| PCB-208L | Ave | 1.138 | 1.120 | | 98.4 | 100 | 98 | 50-150 |
| PCB-189L | Ave | 1.467 | 1.564 | | 107 | 100 | 107 | 50-150 |
| PCB-205L | Ave | 1.287 | 1.261 | | 98.0 | 100 | 98 | 50-150 |
| PCB-206L | Ave | 0.8938 | 0.8065 | | 90.2 | 100 | 90 | 50-150 |
| PCB-209L | Ave | 0.9809 | 0.8610 | | 87.8 | 100 | 88 | 50-150 |
| PCB-8L | AveID | 1.309 | 1.126 | | 43.0 | 50.0 | 86 | 50-150 |
| PCB-28L | Ave | 1.098 | 1.123 | | 51.2 | 50.0 | 102 | 60-130 |
| PCB-95L | AveID | 0.7770 | 0.7179 | | 46.2 | 50.0 | 92 | 50-150 |
| PCB-79L | AveID | 1.124 | 1.015 | | 45.2 | 50.0 | 90 | 50-150 |
| PCB-111L | Ave | 1.218 | 1.351 | | 55.5 | 50.0 | 111 | 60-130 |
| PCB-153L | AveID | 0.9597 | 0.8023 | | 41.8 | 50.0 | 84 | 50-150 |
| PCB-178L | Ave | 0.9222 | 0.9729 | | 52.7 | 50.0 | 105 | 60-130 |

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

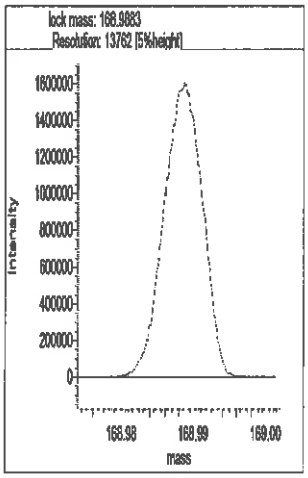
| | |
|---|---|
| Date: | 10 Oct 2019 00:14 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

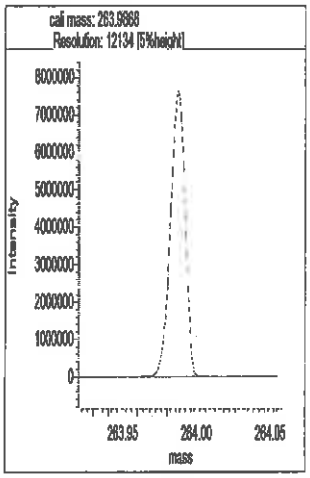
Segment 1

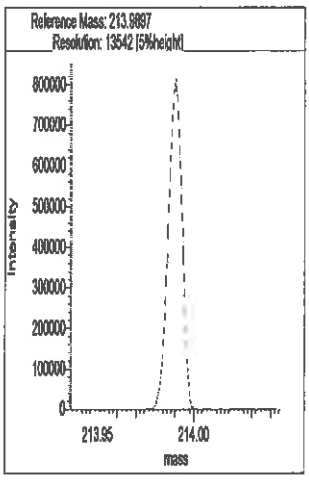
Lock mass 168.9883 [m/z] Resolution: 13762 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 12134 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 13542 [5%height]




Segment 2

Lock mass 263.9866 [m/z] Resolution: 14562 [5%height]

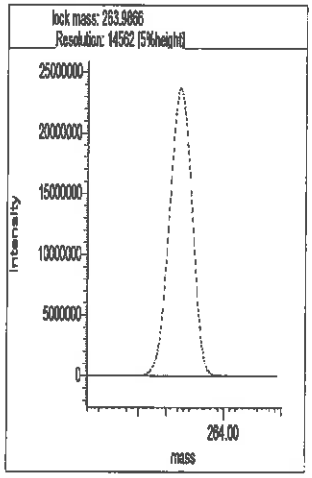
Cali. mass 375.9802 [m/z] Resolution: 13554 [5%height]

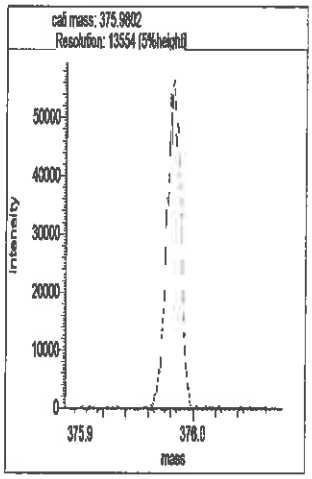
Ref. mass 313.9834 [m/z] Resolution: 14237 [5%height]

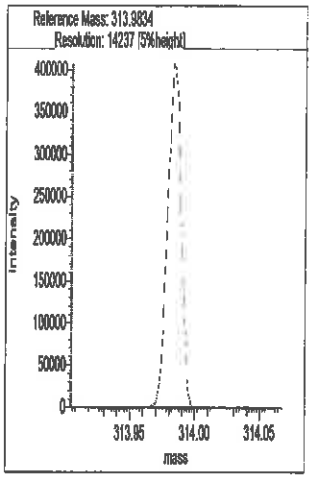
Ref. mass 313.9834 [m/z] Resolution: 14013 [5%height]

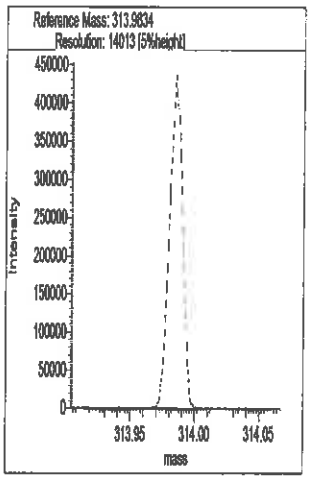
_191009s1b close

_191010s1a open



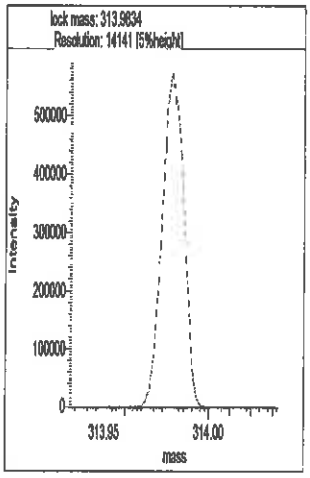



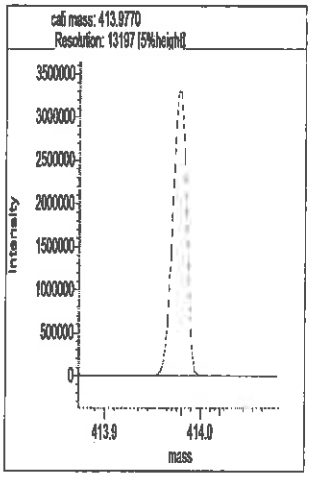

Segment 3

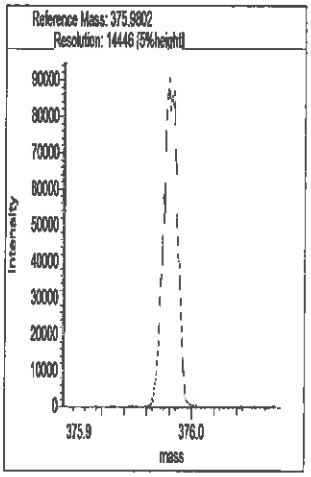
Lock mass 313.9834 [m/z] Resolution: 14141 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 13197 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 14446 [5%height]



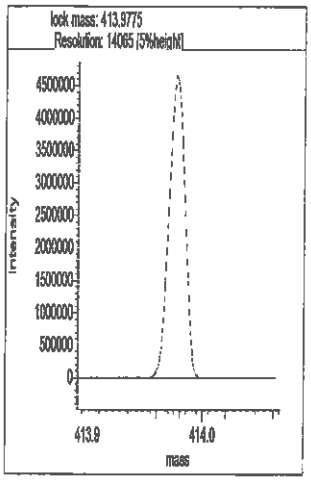



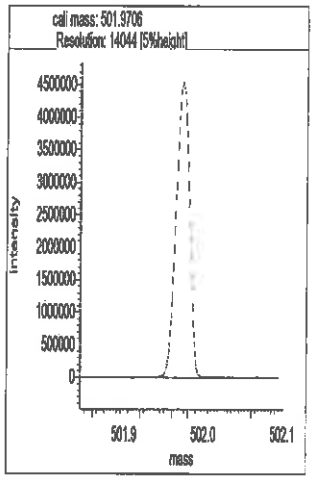

Segment 4

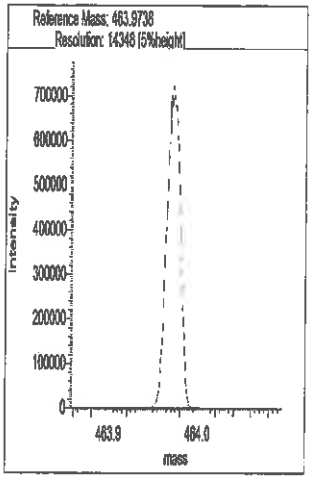
Lock mass 413.9775 [m/z] Resolution: 14065 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 14044 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 14348 [5%height]


lock mass: 413.9775
Resolution: 14065 [5%height]
Intensity
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
413.9
414.0
mass


cal mass: 501.9706
Resolution: 14044 [5%height]
Intensity
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 14348 [5%height]
Intensity
700000
600000
500000
400000
300000
200000
100000
0
463.9
464.0
mass

```
Reports
00:23:40:  Peak matching procedure started
00:23:41:
00:23:41:  Reference mass: 168.98827
00:23:42:  Sample mass: 214.0
00:23:42:
00:23:43:  Finding reference mass
00:23:44:  Finding sample mass
00:23:44:
00:23:50:  [1]    213.9890 amu, mean: 213.9890
00:23:53:  [2]    213.9892 amu, mean: 213.9891     SD: 0.16 mmu or: 0.75 ppm
00:23:56:  [3]    213.9892 amu, mean: 213.9891     SD: 0.14 mmu or: 0.66 ppm
00:23:59:  [4]    213.9894 amu, mean: 213.9892     SD: 0.18 mmu or: 0.83 ppm
00:24:00:
00:24:00:  Stop requested. Please wait for procedure to finish.
00:24:00:
00:24:02:
00:24:03:  Peakmatching stopped
```

Signature LK 10-10-19

```
Reports
00:24:45:  Peak matching procedure started
00:24:46:
00:24:46:  Reference mass: 213.98975
00:24:47:  Sample mass: 264.0
00:24:47:
00:24:48:  Finding reference mass
00:24:49:  Finding sample mass
00:24:49:
00:24:55:  [1]    263.9866 amu, mean: 263.9866
00:24:58:  [2]    263.9864 amu, mean: 263.9865     SD: 0.10 mmu or: 0.39 ppm
00:25:01:  [3]    263.9865 amu, mean: 263.9865     SD: 0.07 mmu or: 0.28 ppm
00:25:04:  [4]    263.9862 amu, mean: 263.9864     SD: 0.18 mmu or: 0.69 ppm
00:25:05:
00:25:05:  Stop requested. Please wait for procedure to finish.
00:25:05:
00:25:08:
00:25:08:  Peakmatching stopped
```

Signature LKL 10-10-19

```
Reports
00:25:58:  Peak matching procedure started
00:25:59:
00:25:59:  Reference mass: 263.98656
00:26:00:  Sample mass: 314.0
00:26:00:
00:26:01:  Finding reference mass
00:26:02:  Finding sample mass
00:26:03:
00:26:08:  [1]    313.9835 amu, mean: 313.9835
00:26:11:  [2]    313.9830 amu, mean: 313.9833     SD: 0.32 mmu or: 1.01 ppm
00:26:15:  [3]    313.9829 amu, mean: 313.9831     SD: 0.31 mmu or: 0.99 ppm
00:26:18:  [4]    313.9826 amu, mean: 313.9830     SD: 0.36 mmu or: 1.15 ppm
00:26:19:
00:26:19:  Stop requested. Please wait for procedure to finish.
00:26:19:
00:26:21:
00:26:21:  Peakmatching stopped
```

Signature Lcm 10-10-19

**Reports**

```
00:27:10:  Peak matching procedure started
00:27:11:
00:27:11:  Reference mass: 313.98336
00:27:12:  Sample mass: 376.0
00:27:12:
00:27:13:  Finding reference mass
00:27:13:  Finding sample mass
00:27:14:
00:27:20:  [1]    375.9798 amu, mean: 375.9798
00:27:23:  [2]    375.9797 amu, mean: 375.9797     SD: 0.07 mmu or: 0.18 ppm
00:27:26:  [3]    375.9803 amu, mean: 375.9799     SD: 0.30 mmu or: 0.79 ppm
00:27:29:  [4]    375.9800 amu, mean: 375.9799     SD: 0.24 mmu or: 0.65 ppm
00:27:30:
00:27:30:  Stop requested. Please wait for procedure to finish.
00:27:30:
00:27:33:
00:27:33:  Peakmatching stopped
```

Signature 10-10-19

```
Reports
00:27:10:  Peak matching procedure started
00:27:11:
00:27:11:  Reference mass: 313.98336
00:27:12:  Sample mass: 376.0
00:27:12:
00:27:13:  Finding reference mass
00:27:13:  Finding sample mass
00:27:14:
00:27:20:  [1]    375.9798 amu, mean: 375.9798
00:27:23:  [2]    375.9797 amu, mean: 375.9797     SD: 0.07 mmu or: 0.18 ppm
00:27:26:  [3]    375.9803 amu, mean: 375.9799     SD: 0.30 mmu or: 0.79 ppm
00:27:29:  [4]    375.9800 amu, mean: 375.9799     SD: 0.24 mmu or: 0.65 ppm
00:27:30:
00:27:30:  Stop requested. Please wait for procedure to finish.
00:27:30:
00:27:33:
00:27:33:  Peakmatching stopped
```

Signature LM 10-10-19

Reports
00:28:23: Peak matching procedure started
00:28:24:
00:28:24: Reference mass: 375.98017
00:28:25: Sample mass: 414.0
00:28:25:
00:28:26: Finding reference mass
00:28:27: Finding sample mass
00:28:27:
00:28:33: [1] 413.9769 amu, mean: 413.9769
00:28:36: [2] 413.9771 amu, mean: 413.9770 SD: 0.13 mmu or: 0.32 ppm
00:28:39: [3] 413.9766 amu, mean: 413.9769 SD: 0.24 mmu or: 0.57 ppm
00:28:42: [4] 413.9773 amu, mean: 413.9770 SD: 0.28 mmu or: 0.67 ppm
00:28:43:
00:28:43: Stop requested. Please wait for procedure to finish.
00:28:43:
00:28:46:
00:28:46: Peakmatching stopped

Signature 10-10-19

```
Reports
00:29:25:  Peak matching procedure started
00:29:25:
00:29:26:  Reference mass: 413.97698
00:29:26:  Sample mass: 464.0
00:29:27:
00:29:27:  Finding reference mass
00:29:28:  Finding sample mass
00:29:29:
00:29:34:  [1]    463.9737 amu, mean: 463.9737
00:29:37:  [2]    463.9738 amu, mean: 463.9738     SD: 0.09 mmu or: 0.20 ppm
00:29:40:  [3]    463.9742 amu, mean: 463.9739     SD: 0.24 mmu or: 0.53 ppm
00:29:44:  [4]    463.9740 amu, mean: 463.9739     SD: 0.20 mmu or: 0.44 ppm
00:29:44:
00:29:44:  Stop requested. Please wait for procedure to finish.
00:29:44:
00:29:47:
00:29:47:  Peakmatching stopped
```

Signature LK 10-10-19

```
Reports
00:30:26:  Peak matching procedure started
00:30:26:
00:30:27:  Reference mass: 463.97378
00:30:27:  Sample mass: 502.0
00:30:28:
00:30:28:  Finding reference mass
00:30:29:  Finding sample mass
00:30:29:
00:30:36:  [1]    501.9704 amu, mean: 501.9704
00:30:39:  [2]    501.9704 amu, mean: 501.9704      SD: 0.01 mmu or: 0.02 ppm
00:30:42:  [3]    501.9704 amu, mean: 501.9704      SD: 0.02 mmu or: 0.04 ppm
00:30:45:  [4]    501.9705 amu, mean: 501.9704      SD: 0.07 mmu or: 0.14 ppm
00:30:45:
00:30:45:  Stop requested. Please wait for procedure to finish.
00:30:45:
00:30:48:
00:30:49:  Peakmatching stopped
```

Signature LSh 10-10-19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

| | |
|---|---|
| Date: | 10 Oct 2019 11:41 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

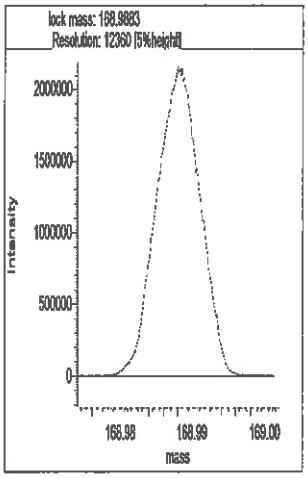
## Segment 1

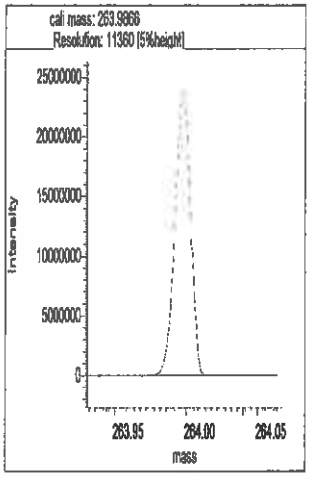
_191010s2a

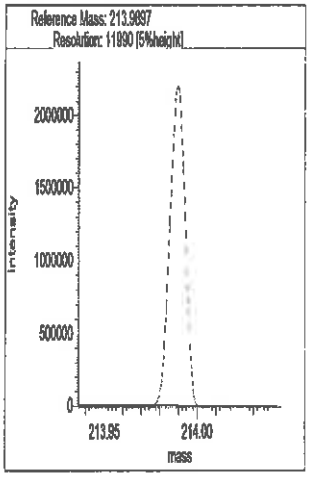
Lock mass 168.9883 [m/z] Resolution: 12360 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 11360 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 11990 [5%height]



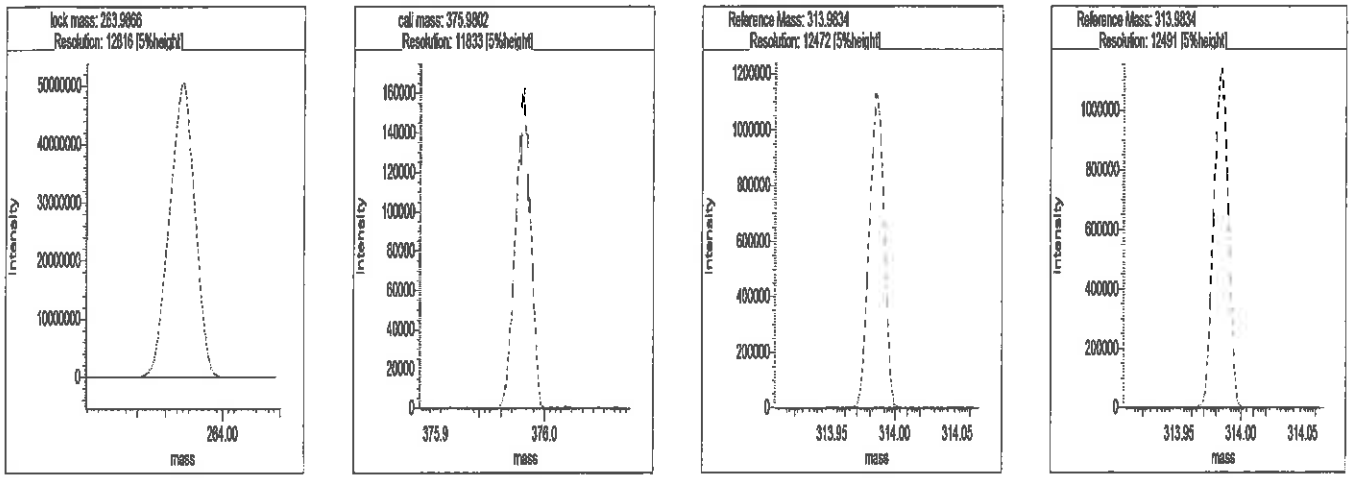

## Segment 2

Lock mass 263.9866 [m/z] Resolution: 12816 [5%height]

Cali. mass 375.9802 [m/z] Resolution: 11833 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 12472 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 12491 [5%height]

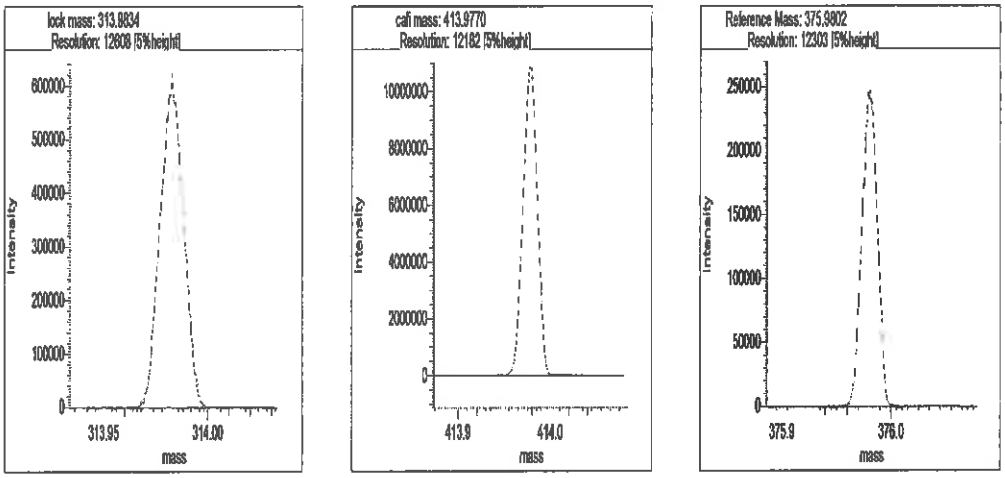



Segment 3

Lock mass 313.9834 [m/z] Resolution: 12608 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 12182 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 12303 [5%height]

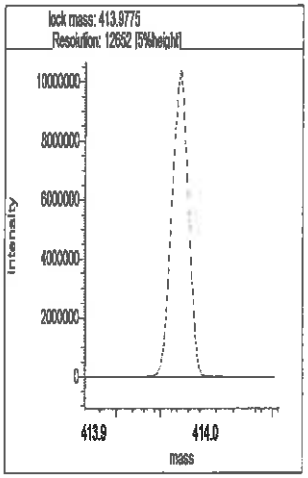


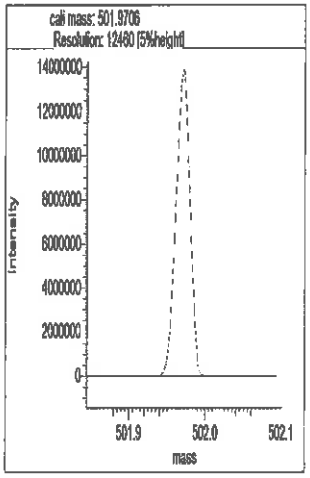

Segment 4

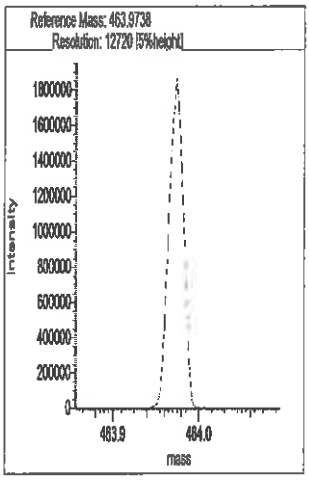
Lock mass 413.9775 [m/z] Resolution: 12652 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 12460 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12720 [5%height]


lock mass: 413.9775
Resolution: 12652 [5%height]
Intensity
10000000
8000000
6000000
4000000
2000000
0
413.9
414.0
mass


cali mass: 501.9706
Resolution: 12480 [5%height]
Intensity
14000000
12000000
10000000
8000000
6000000
4000000
2000000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12720 [5%height]
Intensity
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
463.9
464.0
mass

Reports
11:50:33: Peak matching procedure started
11:50:33:
11:50:34: Reference mass: 168.98827
11:50:35: Sample mass: 214.0
11:50:35:
11:50:36: Finding reference mass
11:50:36: Finding sample mass
11:50:37:
11:50:42: [1] 213.9892 amu, mean: 213.9892
11:50:45: [2] 213.9894 amu, mean: 213.9893 SD: 0.08 mmu or: 0.40 ppm
11:50:48: [3] 213.9893 amu, mean: 213.9893 SD: 0.06 mmu or: 0.29 ppm
11:50:52: [4] 213.9895 amu, mean: 213.9893 SD: 0.10 mmu or: 0.49 ppm
11:50:52:
11:50:52: Stop requested. Please wait for procedure to finish.
11:50:52:

Signature VM/10 10/10/19

Reports

```
11:51:30:  Peak matching procedure started
11:51:30:
11:51:31:  Reference mass: 213.98975
11:51:32:  Sample mass: 264.0
11:51:32:
11:51:32:  Finding reference mass
11:51:34:  Finding sample mass
11:51:34:
11:51:40:  [1]    263.9864 amu, mean: 263.9864
11:51:43:  [2]    263.9865 amu, mean: 263.9864     SD: 0.05 mmu or: 0.19 ppm
11:51:46:  [3]    263.9863 amu, mean: 263.9864     SD: 0.06 mmu or: 0.23 ppm
11:51:49:  [4]    263.9863 amu, mean: 263.9864     SD: 0.07 mmu or: 0.25 ppm
11:51:50:
11:51:50:  Stop requested. Please wait for procedure to finish.
11:51:50:
```

Signature WM/ID 10/10/19

Reports

```
11:52:21:  Peak matching procedure started
11:52:21:
11:52:22:  Reference mass: 263.98656
11:52:22:  Sample mass: 314.0
11:52:23:
11:52:23:  Finding reference mass
11:52:25:  Finding sample mass
11:52:25:
11:52:31:  [1]   313.9827 amu, mean: 313.9827
11:52:34:  [2]   313.9829 amu, mean: 313.9828     SD: 0.13 mmu or: 0.41 ppm
11:52:37:  [3]   313.9826 amu, mean: 313.9827     SD: 0.13 mmu or: 0.41 ppm
11:52:40:  [4]   313.9823 amu, mean: 313.9826     SD: 0.22 mmu or: 0.69 ppm
11:52:41:
11:52:41:  Stop requested. Please wait for procedure to finish.
11:52:41:
```

Signature WW/ID 10/10/19

Reports

```
11:53:08:  Peak matching procedure started
11:53:08:
11:53:09:  Reference mass: 313.98336
11:53:09:  Sample mass: 376.0
11:53:10:
11:53:10:  Finding reference mass
11:53:11:  Finding sample mass
11:53:11:
11:53:17:  [1]    375.9795 amu, mean: 375.9795
11:53:20:  [2]    375.9791 amu, mean: 375.9793      SD: 0.29 mmu or: 0.76 ppm
11:53:24:  [3]    375.9793 amu, mean: 375.9793      SD: 0.21 mmu or: 0.55 ppm
11:53:27:  [4]    375.9795 amu, mean: 375.9794      SD: 0.19 mmu or: 0.50 ppm
11:53:28:
11:53:28:  Stop requested. Please wait for procedure to finish.
11:53:28:
```

Signature MM/LD 10/10/19

```
Reports
11:53:08:  Peak matching procedure started
11:53:08:
11:53:09:  Reference mass: 313.98336
11:53:09:  Sample mass: 376.0
11:53:10:
11:53:10:  Finding reference mass
11:53:11:  Finding sample mass
11:53:11:
11:53:17:  [1]    375.9795 amu, mean: 375.9795
11:53:20:  [2]    375.9791 amu, mean: 375.9793     SD: 0.29 mmu or: 0.76 ppm
11:53:24:  [3]    375.9793 amu, mean: 375.9793     SD: 0.21 mmu or: 0.55 ppm
11:53:27:  [4]    375.9795 amu, mean: 375.9794     SD: 0.19 mmu or: 0.50 ppm
11:53:28:
11:53:28:  Stop requested. Please wait for procedure to finish.
11:53:28:
```

Signature MM/DD 10/10/19

Reports

```
11:54:08:  Peak matching procedure started
11:54:08:
11:54:09:  Reference mass: 375.98017
11:54:09:  Sample mass: 414.0
11:54:10:
11:54:10:  Finding reference mass
11:54:11:  Finding sample mass
11:54:11:
11:54:17:  [1]   413.9772 amu, mean: 413.9772
11:54:21:  [2]   413.9764 amu, mean: 413.9768     SD: 0.57 mmu or: 1.38 ppm
11:54:24:  [3]   413.9763 amu, mean: 413.9766     SD: 0.48 mmu or: 1.15 ppm
11:54:27:  [4]   413.9768 amu, mean: 413.9767     SD: 0.40 mmu or: 0.96 ppm
11:54:27:
11:54:27:  Stop requested. Please wait for procedure to finish.
11:54:27:
```

Signature MM/DD 10/10/19

Reports

```
11:55:01:  Peak matching procedure started
11:55:01:
11:55:02:  Reference mass: 413.97698
11:55:02:  Sample mass: 464.0
11:55:03:
11:55:03:  Finding reference mass
11:55:04:  Finding sample mass
11:55:05:
11:55:10:  [1]   463.9735 amu, mean: 463.9735
11:55:14:  [2]   463.9731 amu, mean: 463.9733     SD: 0.27 mmu or: 0.58 ppm
11:55:17:  [3]   463.9732 amu, mean: 463.9733     SD: 0.19 mmu or: 0.42 ppm
11:55:20:  [4]   463.9735 amu, mean: 463.9733     SD: 0.20 mmu or: 0.44 ppm
11:55:21:
11:55:21:  Stop requested. Please wait for procedure to finish.
11:55:21:
11:55:23:  [5]   463.9729 amu, mean: 463.9733     SD: 0.25 mmu or: 0.54 ppm
```

Signature 10/10/19

```
Reports
11:55:52:  Peak matching procedure started
11:55:53:
11:55:53:  Reference mass: 463.97378
11:55:54:  Sample mass: 502.0
11:55:54:
11:55:55:  Finding reference mass
11:55:56:  Finding sample mass
11:55:56:
11:56:02:  [1]    501.9699 amu, mean: 501.9699
11:56:05:  [2]    501.9706 amu, mean: 501.9703      SD: 0.45 mmu or: 0.89 ppm
11:56:08:  [3]    501.9703 amu, mean: 501.9703      SD: 0.32 mmu or: 0.64 ppm
11:56:11:  [4]    501.9704 amu, mean: 501.9703      SD: 0.26 mmu or: 0.53 ppm
11:56:12:
11:56:12:  Stop requested. Please wait for procedure to finish.
11:56:12:
```

Signature MM/ID 10/10/19

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 10-Oct-2019 00:50:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 02:23:07 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 10-Oct-2019 02:11:22

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 149.5 | 149.5 | 0.1097 | 0.1097 | | |
| D PCB-1L | 11:46 | 6599039 | 2.88 | 1.3140 | 100.6 | 100.6 | 0.4634 | 0.4634 | 101 | |
| D PCB-3L | 13:56 | 7090982 | 2.97 | 1.3615 | 104.3 | 104.3 | 0.4472 | 0.4472 | 104 | |
| PCB-1 | 11:47 | 3862403 | 3.15 | 1.1883 | 49.3 | 49.3 | 0.1044 | 0.1044 | 98.51 | |
| PCB-2 | 13:46 | 4161543 | 3.15 | 1.1911 | 51.0 | 51.0 | 0.1101 | 0.1101 | 102 | |
| PCB-3 | 13:57 | 4230363 | 3.09 | 1.2130 | 49.2 | 49.2 | 0.1146 | 0.1146 | 98.37 | |
| S Total Dichlorobiphenyls | | | | | 567.3 | 567.3 | 0.0341 | 0.0341 | | |
| D PCB-4L | 14:12 | 3070294 | 1.59 | 0.5996 | 102.5 | 102.5 | 0.1863 | 0.1863 | 103 | |
| * PCB-9L | 16:09 | 4993819 | 1.61 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-8L | 16:59 | 2354896 | 1.63 | 1.3085 | 43.0 | 43.0 | 0.1066 | 0.1066 | 86.04 | |
| D PCB-15L | 20:04 | 5296594 | 1.60 | 1.0280 | 103.2 | 103.2 | 0.1087 | 0.1087 | 103 | |
| PCB-4 | 14:12 | 1870732 | 1.62 | 1.2533 | 48.6 | 48.6 | 0.0475 | 0.0475 | 97.23 | |
| PCB-10 | 14:23 | 3013657 | 1.60 | 1.4828 | 48.6 | 48.6 | 0.0351 | 0.0351 | 97.17 | |
| PCB-9 | 16:11 | 2898011 | 1.60 | 1.4200 | 48.8 | 48.8 | 0.0367 | 0.0367 | 97.57 | |
| PCB-7 | 16:20 | 3220340 | 1.61 | 1.6244 | 47.4 | 47.4 | 0.0321 | 0.0321 | 94.78 | |
| PCB-6 | 16:35 | 2966003 | 1.62 | 1.5539 | 45.6 | 45.6 | 0.0335 | 0.0335 | 91.25 | |
| PCB-5 | 16:53 | 3046575 | 1.63 | 1.5606 | 46.7 | 46.7 | 0.0334 | 0.0334 | 93.33 | |
| PCB-8 | 17:01 | 3151068 | 1.58 | 1.5884 | 47.4 | 47.4 | 0.0328 | 0.0328 | 94.84 | |
| PCB-14 | 18:38 | 3639916 | 1.62 | 1.8738 | 46.4 | 46.4 | 0.0278 | 0.0278 | 92.87 | |
| PCB-11 | 19:28 | 3163772 | 1.61 | 1.6347 | 46.3 | 46.3 | 0.0319 | 0.0319 | 92.53 | |
| PCB-12 | 19:47 | 6491539 | 1.61 | 1.6410 | 94.6 | 94.6 | 0.0317 | 0.0317 | 94.56 | |
| PCB-13 (C12) | 19:47 | 6491539 | 1.61 | 1.6410 | 94.6 | 94.6 | 0.0317 | 0.0317 | 94.56 | |
| PCB-15 | 20:05 | 3485382 | 1.60 | 1.4024 | 46.9 | 46.9 | 0.0330 | 0.0330 | 93.84 | |
| S Total Trichlorobiphenyl | | | | | 1144.2 | 1144.2 | 0.1482 | 0.1482 | | |
| D PCB-19L | 17:17 | 2023264 | 1.09 | 0.6095 | 103.2 | 103.2 | 0.4754 | 0.4754 | 103 | |
| * PCB-32L | 20:33 | 3215223 | 1.07 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:49 | 9329268 | 1.05 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:06 | 5238657 | 1.06 | 1.0975 | 51.2 | 51.2 | 0.1514 | 0.1514 | 102 | |
| D PCB-37L | 27:07 | 9025568 | 1.07 | 0.9024 | 107.2 | 107.2 | 0.1841 | 0.1841 | 107 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-19 | 17:19 | 1237949 | 1.06 | 1.3047 | 46.9 | 46.9 | 0.0318 | 0.0318 | 93.79 | |
| PCB-18 | 19:09 | 3392685 | 1.08 | 1.8188 | 92.2 | 92.2 | 0.0228 | 0.0228 | 92.20 | |
| PCB-30 (C18) | 19:09 | 3392685 | 1.08 | 1.8188 | 92.2 | 92.2 | 0.0228 | 0.0228 | 92.20 | |
| PCB-17 | 19:35 | 1484178 | 1.08 | 1.5641 | 46.9 | 46.9 | 0.0265 | 0.0265 | 93.80 | |
| PCB-27 | 19:49 | 2048682 | 1.08 | 2.1680 | 46.7 | 46.7 | 0.0191 | 0.0191 | 93.41 | |
| PCB-24 | 19:57 | 1925465 | 1.05 | 2.1018 | 45.3 | 45.3 | 0.0197 | 0.0197 | 90.56 | |
| PCB-16 | 20:03 | 1171020 | 1.06 | 1.2260 | 47.2 | 47.2 | 0.0339 | 0.0339 | 94.42 | |
| PCB-32 | 20:34 | 2110634 | 1.07 | 2.3416 | 44.6 | 44.6 | 0.0177 | 0.0177 | 89.10 | |
| PCB-34 | 21:50 | 5444525 | 1.07 | 1.2154 | 49.6 | 49.6 | 0.2310 | 0.2310 | 99.26 | |
| PCB-23 | 21:59 | 5625444 | 1.07 | 1.2675 | 49.2 | 49.2 | 0.2215 | 0.2215 | 98.35 | |
| PCB-26 | 22:18 | 11274790 | 1.06 | 1.3193 | 94.7 | 94.7 | 0.2128 | 0.2128 | 94.69 | |
| PCB-29 (C26) | 22:18 | 11274790 | 1.06 | 1.3193 | 94.7 | 94.7 | 0.2128 | 0.2128 | 94.69 | |
| PCB-25 | 22:31 | 5876008 | 1.07 | 1.3523 | 48.1 | 48.1 | 0.2076 | 0.2076 | 96.29 | |
| PCB-31 | 22:50 | 5973516 | 1.06 | 1.3809 | 47.9 | 47.9 | 0.2033 | 0.2033 | 95.86 | |
| PCB-20 | 23:08 | 11086728 | 1.07 | 1.3057 | 94.1 | 94.1 | 0.2150 | 0.2150 | 94.08 | |
| PCB-28 (C20) | 23:08 | 11086728 | 1.07 | 1.3057 | 94.1 | 94.1 | 0.2150 | 0.2150 | 94.08 | |
| PCB-21 | 23:22 | 11738610 | 1.06 | 1.3777 | 94.4 | 94.4 | 0.2038 | 0.2038 | 94.41 | |
| PCB-33 (C21) | 23:22 | 11738610 | 1.06 | 1.3777 | 94.4 | 94.4 | 0.2038 | 0.2038 | 94.41 | |
| PCB-22 | 23:46 | 5519994 | 1.05 | 1.2430 | 49.2 | 49.2 | 0.2259 | 0.2259 | 98.41 | |
| PCB-36 | 25:19 | 6134478 | 1.08 | 1.3468 | 50.5 | 50.5 | 0.2085 | 0.2085 | 101 | |
| PCB-39 | 25:40 | 6131289 | 1.07 | 1.3970 | 48.6 | 48.6 | 0.2010 | 0.2010 | 97.25 | |
| PCB-38 | 26:15 | 5522655 | 1.08 | 1.3177 | 46.4 | 46.4 | 0.2131 | 0.2131 | 92.87 | |
| PCB-35 | 26:44 | 5662567 | 1.09 | 1.2166 | 51.6 | 51.6 | 0.2308 | 0.2308 | 103 | |
| PCB-37 | 27:07 | 5830672 | 1.09 | 1.2879 | 50.2 | 50.2 | 0.2180 | 0.2180 | 100 | |
| S Total Tetrachlorobiphen | | | | | 1869.7 | 1869.7 | 0.1698 | 0.1698 | | |
| D PCB-54L | 20:22 | 2023040 | 0.82 | 0.6515 | 96.6 | 96.6 | 0.0577 | 0.0577 | 96.58 | |
| * PCB-52L | 24:56 | 5093128 | 0.81 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-79L | 32:52 | 3668705 | 0.80 | 1.1239 | 45.2 | 45.2 | 0.3117 | 0.3117 | 90.32 | |
| D PCB-81L | 33:51 | 7080460 | 0.82 | 1.2328 | 112.8 | 112.8 | 0.3474 | 0.3474 | 113 | |
| D PCB-77L | 34:26 | 7374715 | 0.81 | 1.2523 | 115.6 | 115.6 | 0.3420 | 0.3420 | 116 | |
| PCB-54 | 20:24 | 1315164 | 0.82 | 1.2558 | 51.8 | 51.8 | 0.0271 | 0.0271 | 104 | |
| PCB-50 | 22:35 | 5846732 | 0.79 | 0.9362 | 86.4 | 86.4 | 0.2178 | 0.2178 | 86.41 | |
| PCB-53 (C50) | 22:35 | 5846732 | 0.79 | 0.9362 | 86.4 | 86.4 | 0.2178 | 0.2178 | 86.41 | |
| PCB-45 | 23:18 | 5559751 | 0.80 | 0.8850 | 86.9 | 86.9 | 0.2304 | 0.2304 | 86.92 | Ma |
| PCB-51 (C45) | 23:18 | 5559751 | 0.80 | 0.8850 | 86.9 | 86.9 | 0.2304 | 0.2304 | 86.92 | Ma |
| PCB-46 | 23:33 | 2425059 | 0.79 | 0.7591 | 44.2 | 44.2 | 0.2686 | 0.2686 | 88.40 | |
| PCB-52 | 24:58 | 2952624 | 0.81 | 0.8992 | 45.4 | 45.4 | 0.2267 | 0.2267 | 90.86 | |
| PCB-43 | 25:07 | 6586963 | 0.79 | 0.9993 | 91.2 | 91.2 | 0.2040 | 0.2040 | 91.20 | Ma |
| PCB-73 (C43) | 25:07 | 6586963 | 0.79 | 0.9993 | 91.2 | 91.2 | 0.2040 | 0.2040 | 91.20 | Ma |
| PCB-49 | 25:25 | 7304331 | 0.80 | 1.1366 | 88.9 | 88.9 | 0.1794 | 0.1794 | 88.92 | |
| PCB-69 (C49) | 25:25 | 7304331 | 0.80 | 1.1366 | 88.9 | 88.9 | 0.1794 | 0.1794 | 88.92 | |
| PCB-48 | 25:44 | 3002614 | 0.79 | 0.9454 | 43.9 | 43.9 | 0.2157 | 0.2157 | 87.89 | |
| PCB-44 | 25:59 | 9660632 | 0.80 | 1.0323 | 129.5 | 129.5 | 0.1975 | 0.1975 | 86.32 | |
| PCB-47 (C44) | 25:59 | 9660632 | 0.80 | 1.0323 | 129.5 | 129.5 | 0.1975 | 0.1975 | 86.32 | |
| PCB-65 (C44) | 25:59 | 9660632 | 0.80 | 1.0323 | 129.5 | 129.5 | 0.1975 | 0.1975 | 86.32 | |
| PCB-59 | 26:16 | 12493013 | 0.80 | 1.3609 | 127.0 | 127.0 | 0.1498 | 0.1498 | 84.67 | |
| PCB-62 (C59) | 26:16 | 12493013 | 0.80 | 1.3609 | 127.0 | 127.0 | 0.1498 | 0.1498 | 84.67 | |
| PCB-75 (C59) | 26:16 | 12493013 | 0.80 | 1.3609 | 127.0 | 127.0 | 0.1498 | 0.1498 | 84.67 | |
| PCB-42 | 26:29 | 2882003 | 0.81 | 0.8670 | 46.0 | 46.0 | 0.2352 | 0.2352 | 91.98 | |
| PCB-40 | 26:59 | 8591300 | 0.80 | 0.9179 | 129.5 | 129.5 | 0.2221 | 0.2221 | 86.33 | Ma |
| PCB-41 (C40) | 26:59 | 8591300 | 0.80 | 0.9179 | 129.5 | 129.5 | 0.2221 | 0.2221 | 86.33 | Ma |
| PCB-71 (C40) | 26:59 | 8591300 | 0.80 | 0.9179 | 129.5 | 129.5 | 0.2221 | 0.2221 | 86.33 | Ma |
| PCB-64 | 27:12 | 4305697 | 0.81 | 1.4164 | 42.1 | 42.1 | 0.1440 | 0.1440 | 84.12 | |
| PCB-72 | 28:02 | 4036130 | 0.80 | 1.3157 | 42.4 | 42.4 | 0.1550 | 0.1550 | 84.88 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-68 | 28:19 | 4802121 | 0.80 | 1.4782 | 44.9 | 44.9 | 0.1379 | 0.1379 | 89.89 | |
| PCB-57 | 28:44 | 4176222 | 0.80 | 1.2817 | 45.1 | 45.1 | 0.1591 | 0.1591 | 90.16 | |
| PCB-58 | 28:59 | 4353311 | 0.80 | 1.3214 | 45.6 | 45.6 | 0.1543 | 0.1543 | 91.17 | |
| PCB-67 | 29:09 | 4455943 | 0.79 | 1.3944 | 44.2 | 44.2 | 0.1462 | 0.1462 | 88.43 | |
| PCB-63 | 29:25 | 4790743 | 0.80 | 1.4685 | 45.1 | 45.1 | 0.1388 | 0.1388 | 90.28 | |
| PCB-61 | 29:45 | 17278269 | 0.80 | 1.3565 | 176.2 | 176.2 | 0.1503 | 0.1503 | 88.11 | |
| PCB-70 (C61) | 29:45 | 17278269 | 0.80 | 1.3565 | 176.2 | 176.2 | 0.1503 | 0.1503 | 88.11 | |
| PCB-74 (C61) | 29:45 | 17278269 | 0.80 | 1.3565 | 176.2 | 176.2 | 0.1503 | 0.1503 | 88.11 | |
| PCB-76 (C61) | 29:45 | 17278269 | 0.80 | 1.3565 | 176.2 | 176.2 | 0.1503 | 0.1503 | 88.11 | |
| PCB-66 | 30:05 | 4259046 | 0.83 | 1.2800 | 46.0 | 46.0 | 0.1593 | 0.1593 | 92.08 | |
| PCB-55 | 30:14 | 4339451 | 0.80 | 1.2951 | 46.4 | 46.4 | 0.1574 | 0.1574 | 92.72 | |
| PCB-56 | 30:44 | 4131716 | 0.79 | 1.2671 | 45.1 | 45.1 | 0.1609 | 0.1609 | 90.23 | |
| PCB-60 | 30:57 | 4367720 | 0.79 | 1.3288 | 45.5 | 45.5 | 0.1534 | 0.1534 | 90.95 | |
| PCB-80 | 31:22 | 4963631 | 0.81 | 1.4694 | 46.7 | 46.7 | 0.1388 | 0.1388 | 93.48 | |
| PCB-79 | 32:53 | 4955037 | 0.80 | 1.5421 | 44.5 | 44.5 | 0.1322 | 0.1322 | 88.92 | |
| PCB-78 | 33:27 | 4259972 | 0.79 | 1.3150 | 44.8 | 44.8 | 0.1551 | 0.1551 | 89.64 | |
| PCB-81 | 33:53 | 4429571 | 0.79 | 1.3214 | 47.3 | 47.3 | 0.1550 | 0.1550 | 94.69 | |
| PCB-77 | 34:27 | 4601490 | 0.79 | 1.3308 | 46.9 | 46.9 | 0.1525 | 0.1525 | 93.77 | |
| S Total Pentachlorobiphen | | | | | 2161.1 | 2161.1 | 0.0989 | 0.0989 | | |
| D PCB-104L | 25:53 | 5063909 | 1.65 | 1.1164 | 110.3 | 110.3 | 0.0744 | 0.0744 | 110 | |
| $ PCB-95L | 28:51 | 1817702 | 1.62 | 0.7770 | 46.2 | 46.2 | 0.0825 | 0.0825 | 92.40 | |
| * PCB-101L | 31:48 | 4112656 | 1.63 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:29 | 2777248 | 1.60 | 1.2177 | 55.5 | 55.5 | 0.0682 | 0.0682 | 111 | |
| D PCB-123L | 36:27 | 7053568 | 1.56 | 0.9909 | 96.9 | 96.9 | 0.6019 | 0.6019 | 96.93 | |
| D PCB-118L | 36:46 | 7537113 | 1.60 | 1.0256 | 100.1 | 100.1 | 0.5816 | 0.5816 | 100 | |
| D PCB-114L | 37:18 | 7391953 | 1.57 | 1.0030 | 100.4 | 100.4 | 0.5947 | 0.5947 | 100 | |
| D PCB-105L | 37:56 | 7236101 | 1.62 | 1.0013 | 98.4 | 98.4 | 0.5957 | 0.5957 | 98.41 | |
| * PCB-127L | 39:25 | 7343443 | 1.59 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 41:02 | 7234569 | 1.60 | 0.9020 | 109.2 | 109.2 | 0.6613 | 0.6613 | 109 | |
| PCB-104 | 25:55 | 3267501 | 1.59 | 1.3926 | 46.3 | 46.3 | 0.0163 | 0.0163 | 92.67 | |
| PCB-96 | 26:17 | 2873815 | 1.57 | 1.2268 | 46.3 | 46.3 | 0.0185 | 0.0185 | 92.52 | |
| PCB-103 | 28:13 | 2491549 | 1.60 | 1.0331 | 47.6 | 47.6 | 0.0220 | 0.0220 | 95.25 | |
| PCB-94 | 28:26 | 2176638 | 1.56 | 0.9036 | 47.6 | 47.6 | 0.0252 | 0.0252 | 95.14 | |
| PCB-95 | 28:53 | 2286689 | 1.59 | 0.9620 | 46.9 | 46.9 | 0.0236 | 0.0236 | 93.88 | |
| PCB-93 | 29:06 | 4546831 | 1.59 | 0.9806 | 91.6 | 91.6 | 0.0232 | 0.0232 | 91.56 | |
| PCB-100 (C93) | 29:06 | 4546831 | 1.59 | 0.9806 | 91.6 | 91.6 | 0.0232 | 0.0232 | 91.56 | |
| PCB-98 | 29:15 | 4697542 | 1.59 | 0.9888 | 93.8 | 93.8 | 0.0230 | 0.0230 | 93.81 | Ma |
| PCB-102 (C98) | 29:15 | 4697542 | 1.59 | 0.9888 | 93.8 | 93.8 | 0.0230 | 0.0230 | 93.81 | Ma |
| PCB-88 | 29:45 | 4693464 | 1.60 | 1.0052 | 92.2 | 92.2 | 0.0226 | 0.0226 | 92.20 | M |
| PCB-91 (C88) | 29:45 | 4693464 | 1.60 | 1.0052 | 92.2 | 92.2 | 0.0226 | 0.0226 | 92.20 | M |
| PCB-84 | 29:58 | 2021943 | 1.58 | 0.8601 | 46.4 | 46.4 | 0.0264 | 0.0264 | 92.84 | |
| PCB-89 | 30:27 | 2166190 | 1.60 | 0.8936 | 47.9 | 47.9 | 0.0254 | 0.0254 | 95.74 | |
| PCB-121 | 30:52 | 3338643 | 1.60 | 1.3971 | 47.2 | 47.2 | 0.0163 | 0.0163 | 94.38 | M |
| PCB-92 | 31:14 | 2326432 | 1.60 | 0.9532 | 48.2 | 48.2 | 0.0239 | 0.0239 | 96.39 | Ma |
| PCB-90 | 31:49 | 8166949 | 1.60 | 1.1367 | 141.9 | 141.9 | 0.0200 | 0.0200 | 94.59 | |
| PCB-101 (C90) | 31:49 | 8166949 | 1.60 | 1.1367 | 141.9 | 141.9 | 0.0200 | 0.0200 | 94.59 | |
| PCB-113 (C90) | 31:49 | 8166949 | 1.60 | 1.1367 | 141.9 | 141.9 | 0.0200 | 0.0200 | 94.59 | |
| PCB-83 | 32:24 | 4665521 | 1.58 | 0.9393 | 98.1 | 98.1 | 0.0242 | 0.0242 | 98.08 | |
| PCB-99 (C83) | 32:24 | 4665521 | 1.58 | 0.9393 | 98.1 | 98.1 | 0.0242 | 0.0242 | 98.08 | |
| PCB-112 | 32:31 | 3281218 | 1.62 | 1.3672 | 47.4 | 47.4 | 0.0166 | 0.0166 | 94.79 | |
| PCB-86 | 32:53 | 16566388 | 1.59 | 1.1958 | 273.6 | 273.6 | 0.0190 | 0.0190 | 91.19 | Ma |
| PCB-87 (C86) | 32:53 | 16566388 | 1.59 | 1.1958 | 273.6 | 273.6 | 0.0190 | 0.0190 | 91.19 | Ma |
| PCB-97 (C86) | 32:53 | 16566388 | 1.59 | 1.1958 | 273.6 | 273.6 | 0.0190 | 0.0190 | 91.19 | Ma |
| PCB-109 (C86) | 32:53 | 16566388 | 1.59 | 1.1958 | 273.6 | 273.6 | 0.0190 | 0.0190 | 91.19 | Ma |
| PCB-119 (C86) | 32:53 | 16566388 | 1.59 | 1.1958 | 273.6 | 273.6 | 0.0190 | 0.0190 | 91.19 | Ma |
| PCB-125 (C86) | 32:53 | 16566388 | 1.59 | 1.1958 | 273.6 | 273.6 | 0.0190 | 0.0190 | 91.19 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:37 | 8753729 | 1.58 | 1.2126 | 142.6 | 142.6 | 0.0187 | 0.0187 | 95.04 | |
| PCB-116 (C85) | 33:37 | 8753729 | 1.58 | 1.2126 | 142.6 | 142.6 | 0.0187 | 0.0187 | 95.04 | |
| PCB-117 (C85) | 33:37 | 8753729 | 1.58 | 1.2126 | 142.6 | 142.6 | 0.0187 | 0.0187 | 95.04 | |
| PCB-110 | 33:51 | 6527587 | 1.60 | 1.3511 | 95.4 | 95.4 | 0.0168 | 0.0168 | 95.41 | |
| PCB-115 (C110) | 33:51 | 6527587 | 1.60 | 1.3511 | 95.4 | 95.4 | 0.0168 | 0.0168 | 95.41 | |
| PCB-82 | 34:07 | 2110198 | 1.61 | 0.8675 | 48.0 | 48.0 | 0.0262 | 0.0262 | 96.07 | |
| PCB-111 | 34:30 | 3486352 | 1.61 | 1.4262 | 48.3 | 48.3 | 0.0159 | 0.0159 | 96.55 | |
| PCB-120 | 34:58 | 3626461 | 1.61 | 1.4907 | 48.0 | 48.0 | 0.0153 | 0.0153 | 96.08 | |
| PCB-108 | 36:06 | 8195581 | 1.58 | 1.2547 | 89.6 | 89.6 | 0.2713 | 0.2713 | 89.59 | |
| PCB-124 (C108) | 36:06 | 8195581 | 1.58 | 1.2547 | 89.6 | 89.6 | 0.2713 | 0.2713 | 89.59 | |
| PCB-107 | 36:21 | 4544718 | 1.58 | 1.3580 | 45.9 | 45.9 | 0.2507 | 0.2507 | 91.81 | |
| PCB-123 | 36:27 | 4581547 | 1.58 | 1.3407 | 48.4 | 48.4 | 0.2584 | 0.2584 | 96.90 | |
| PCB-106 | 36:34 | 4333791 | 1.59 | 1.2749 | 46.6 | 46.6 | 0.2670 | 0.2670 | 93.25 | |
| PCB-118 | 36:48 | 4714145 | 1.60 | 1.2892 | 48.5 | 48.5 | 0.2493 | 0.2493 | 97.03 | |
| PCB-122 | 37:08 | 4110564 | 1.58 | 1.1614 | 48.5 | 48.5 | 0.2931 | 0.2931 | 97.09 | |
| PCB-114 | 37:19 | 4796785 | 1.59 | 1.4051 | 46.2 | 46.2 | 0.2376 | 0.2376 | 92.37 | |
| PCB-105 | 37:58 | 4451451 | 1.64 | 1.2887 | 47.7 | 47.7 | 0.2733 | 0.2733 | 95.47 | |
| PCB-127 | 39:26 | 4501046 | 1.58 | 1.2841 | 48.1 | 48.1 | 0.2651 | 0.2651 | 96.16 | |
| PCB-126 | 41:03 | 4488667 | 1.59 | 1.3416 | 46.2 | 46.2 | 0.2611 | 0.2611 | 92.49 | |
| S Total Hexachlorobipheny | | | | | 1903.8 | 1903.8 | 0.0811 | 0.0811 | | |
| D PCB-155L | 31:35 | 4524076 | 1.29 | 0.9499 | 115.8 | 115.8 | 0.1200 | 0.1200 | 116 | |
| $ PCB-153L | 38:39 | 2679447 | 1.29 | 0.9597 | 41.8 | 41.8 | 0.3730 | 0.3730 | 83.60 | |
| * PCB-138L | 39:54 | 5299473 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:54 | 6785365 | 1.28 | 1.2544 | 102.1 | 102.1 | 0.2935 | 0.2935 | 102 | |
| D PCB-156L | 44:03 | 13244058 | 1.25 | 1.2289 | 203.4 | 203.4 | 0.2996 | 0.2996 | 102 | |
| D PCB-157L (C156L) | 44:03 | 13244058 | 1.25 | 1.2289 | 203.4 | 203.4 | 0.2996 | 0.2996 | 102 | |
| D PCB-169L | 47:17 | 6687615 | 1.26 | 1.0883 | 116.0 | 116.0 | 0.3383 | 0.3383 | 116 | |
| PCB-155 | 31:36 | 2756534 | 1.27 | 1.3028 | 46.8 | 46.8 | 0.0210 | 0.0210 | 93.54 | |
| PCB-152 | 31:47 | 2591897 | 1.28 | 1.2556 | 45.6 | 45.6 | 0.0218 | 0.0218 | 91.25 | |
| PCB-150 | 31:58 | 2682245 | 1.30 | 1.2368 | 47.9 | 47.9 | 0.0222 | 0.0222 | 95.87 | |
| PCB-136 | 32:18 | 2489105 | 1.29 | 1.1563 | 47.6 | 47.6 | 0.0237 | 0.0237 | 95.16 | |
| PCB-145 | 32:37 | 2541033 | 1.28 | 1.1910 | 47.2 | 47.2 | 0.0230 | 0.0230 | 94.32 | |
| PCB-148 | 34:08 | 1917640 | 1.29 | 0.8982 | 47.2 | 47.2 | 0.0305 | 0.0305 | 94.38 | |
| PCB-135 | 34:43 | 3727032 | 1.27 | 0.8691 | 94.8 | 94.8 | 0.0315 | 0.0315 | 94.79 | Ma |
| PCB-151 (C135) | 34:43 | 3727032 | 1.27 | 0.8691 | 94.8 | 94.8 | 0.0315 | 0.0315 | 94.79 | Ma |
| PCB-154 | 34:59 | 2207087 | 1.28 | 1.0180 | 47.9 | 47.9 | 0.0269 | 0.0269 | 95.84 | |
| PCB-144 | 35:17 | 2004366 | 1.30 | 0.9185 | 48.2 | 48.2 | 0.0298 | 0.0298 | 96.47 | |
| PCB-147 | 35:39 | 5516454 | 1.26 | 0.9747 | 84.7 | 84.7 | 0.1128 | 0.1128 | 84.74 | |
| PCB-149 (C147) | 35:39 | 5516454 | 1.26 | 0.9747 | 84.7 | 84.7 | 0.1128 | 0.1128 | 84.74 | |
| PCB-134 | 35:57 | 5001355 | 1.27 | 0.8518 | 87.9 | 87.9 | 0.1291 | 0.1291 | 87.90 | |
| PCB-143 (C134) | 35:57 | 5001355 | 1.27 | 0.8518 | 87.9 | 87.9 | 0.1291 | 0.1291 | 87.90 | |
| PCB-139 | 36:15 | 5755853 | 1.26 | 0.9995 | 86.2 | 86.2 | 0.1100 | 0.1100 | 86.22 | |
| PCB-140 (C139) | 36:15 | 5755853 | 1.26 | 0.9995 | 86.2 | 86.2 | 0.1100 | 0.1100 | 86.22 | |
| PCB-131 | 36:27 | 2562999 | 1.26 | 0.8584 | 44.7 | 44.7 | 0.1281 | 0.1281 | 89.40 | |
| PCB-142 | 36:36 | 2625824 | 1.27 | 0.8597 | 45.7 | 45.7 | 0.1279 | 0.1279 | 91.46 | |
| PCB-132 | 36:54 | 2636409 | 1.23 | 0.8801 | 44.9 | 44.9 | 0.1249 | 0.1249 | 89.70 | |
| PCB-133 | 37:25 | 2731238 | 1.25 | 0.9064 | 45.1 | 45.1 | 0.1213 | 0.1213 | 90.23 | |
| PCB-165 | 37:49 | 3405460 | 1.26 | 1.1210 | 45.5 | 45.5 | 0.0981 | 0.0981 | 90.97 | |
| PCB-146 | 38:03 | 3053966 | 1.24 | 1.0084 | 45.3 | 45.3 | 0.1090 | 0.1090 | 90.69 | |
| PCB-161 | 38:12 | 3769381 | 1.25 | 1.3370 | 42.2 | 42.2 | 0.0822 | 0.0822 | 84.42 | |
| PCB-153 | 38:42 | 7223703 | 1.25 | 1.2207 | 88.6 | 88.6 | 0.0901 | 0.0901 | 88.60 | |
| PCB-168 (C153) | 38:42 | 7223703 | 1.25 | 1.2207 | 88.6 | 88.6 | 0.0901 | 0.0901 | 88.60 | |
| PCB-141 | 38:52 | 2934651 | 1.26 | 0.9608 | 45.7 | 45.7 | 0.1144 | 0.1144 | 91.46 | |
| PCB-130 | 39:17 | 2536290 | 1.24 | 0.8274 | 45.9 | 45.9 | 0.1329 | 0.1329 | 91.78 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:29 | 3166233 | 1.25 | 1.0582 | 44.8 | 44.8 | 0.1039 | 0.1039 | 89.59 | |
| PCB-164 | 39:37 | 3691735 | 1.27 | 1.2527 | 44.1 | 44.1 | 0.0878 | 0.0878 | 88.25 | |
| PCB-129 | 39:56 | 12869219 | 1.27 | 1.0840 | 177.7 | 177.7 | 0.1014 | 0.1014 | 88.87 | Ma |
| PCB-138 (C129) | 39:56 | 12869219 | 1.27 | 1.0840 | 177.7 | 177.7 | 0.1014 | 0.1014 | 88.87 | Ma |
| PCB-160 (C129) | 39:56 | 12869219 | 1.27 | 1.0840 | 177.7 | 177.7 | 0.1014 | 0.1014 | 88.87 | Ma |
| PCB-163 (C129) | 39:56 | 12869219 | 1.27 | 1.0840 | 177.7 | 177.7 | 0.1014 | 0.1014 | 88.87 | Ma |
| PCB-158 | 40:19 | 4136052 | 1.25 | 1.3862 | 44.7 | 44.7 | 0.0793 | 0.0793 | 89.34 | |
| PCB-128 | 41:09 | 6598811 | 1.25 | 1.1165 | 88.5 | 88.5 | 0.0985 | 0.0985 | 88.49 | |
| PCB-166 (C128) | 41:09 | 6598811 | 1.25 | 1.1165 | 88.5 | 88.5 | 0.0985 | 0.0985 | 88.49 | |
| PCB-159 | 42:09 | 3965551 | 1.27 | 1.3178 | 45.1 | 45.1 | 0.0834 | 0.0834 | 90.10 | |
| PCB-162 | 42:27 | 4148720 | 1.24 | 1.3623 | 45.6 | 45.6 | 0.0807 | 0.0807 | 91.19 | |
| PCB-167 | 42:56 | 4227043 | 1.27 | 1.3357 | 46.6 | 46.6 | 0.0690 | 0.0690 | 93.28 | |
| PCB-156 | 44:04 | 8033330 | 1.25 | 1.2759 | 95.1 | 95.1 | 0.1044 | 0.1044 | 95.08 | |
| PCB-157 (C156) | 44:04 | 8033330 | 1.25 | 1.2759 | 95.1 | 95.1 | 0.1044 | 0.1044 | 95.08 | |
| PCB-169 | 47:19 | 3933813 | 1.24 | 1.2825 | 45.9 | 45.9 | 0.0742 | 0.0742 | 91.73 | |
| S Total Heptachlorobiphen | | | | | 1179.1 | 1179.1 | 0.0362 | 0.0362 | | |
| D PCB-188L | 37:18 | 5796732 | 1.07 | 1.3162 | 95.3 | 95.3 | 0.1751 | 0.1751 | 95.30 | |
| $ PCB-178L | 40:21 | 2248106 | 1.08 | 0.9222 | 52.7 | 52.7 | 0.2499 | 0.2499 | 105 | |
| * PCB-180L | 45:27 | 4621487 | 1.06 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:42 | 3699957 | 1.03 | 0.8357 | 95.8 | 95.8 | 0.2757 | 0.2757 | 95.80 | |
| D PCB-189L | 49:49 | 7591839 | 1.07 | 1.4666 | 106.7 | 106.7 | 0.7720 | 0.7720 | 107 | |
| PCB-188 | 37:20 | 3379650 | 1.05 | 1.2502 | 46.6 | 46.6 | 0.0254 | 0.0254 | 93.27 | |
| PCB-179 | 37:40 | 3181639 | 1.04 | 1.4149 | 47.4 | 47.4 | 0.0276 | 0.0276 | 94.72 | |
| PCB-184 | 38:12 | 3081740 | 1.05 | 1.4191 | 45.7 | 45.7 | 0.0275 | 0.0275 | 91.47 | |
| PCB-176 | 38:32 | 3491441 | 1.06 | 1.5212 | 48.3 | 48.3 | 0.0257 | 0.0257 | 96.68 | |
| PCB-186 | 39:00 | 3265418 | 1.05 | 1.4350 | 47.9 | 47.9 | 0.0272 | 0.0272 | 95.85 | |
| PCB-178 | 40:23 | 2343623 | 1.05 | 1.0228 | 48.3 | 48.3 | 0.0382 | 0.0382 | 96.51 | |
| PCB-175 | 41:00 | 2459563 | 1.07 | 1.0690 | 48.5 | 48.5 | 0.0365 | 0.0365 | 96.91 | |
| PCB-187 | 41:17 | 2580322 | 1.05 | 1.1106 | 48.9 | 48.9 | 0.0351 | 0.0351 | 97.86 | |
| PCB-182 | 41:29 | 2665857 | 1.05 | 1.1484 | 48.9 | 48.9 | 0.0340 | 0.0340 | 97.78 | |
| PCB-183 | 41:54 | 5257218 | 1.07 | 1.1368 | 97.4 | 97.4 | 0.0343 | 0.0343 | 97.39 | Ma |
| PCB-185 (C183) | 41:54 | 5257218 | 1.07 | 1.1368 | 97.4 | 97.4 | 0.0343 | 0.0343 | 97.39 | Ma |
| PCB-174 | 42:08 | 2296028 | 1.02 | 0.9547 | 50.6 | 50.6 | 0.0409 | 0.0409 | 101 | |
| PCB-177 | 42:34 | 2279868 | 1.05 | 0.9426 | 50.9 | 50.9 | 0.0414 | 0.0414 | 102 | |
| PCB-181 | 42:58 | 2606780 | 1.05 | 1.1075 | 49.6 | 49.6 | 0.0352 | 0.0352 | 99.14 | |
| PCB-171 | 43:11 | 4521077 | 1.05 | 0.9603 | 99.1 | 99.1 | 0.0406 | 0.0406 | 99.15 | |
| PCB-173 (C171) | 43:11 | 4521077 | 1.05 | 0.9603 | 99.1 | 99.1 | 0.0406 | 0.0406 | 99.15 | |
| PCB-172 | 44:50 | 2346914 | 1.05 | 0.9918 | 49.8 | 49.8 | 0.0394 | 0.0394 | 99.67 | |
| PCB-192 | 45:06 | 3147511 | 1.05 | 1.2904 | 51.4 | 51.4 | 0.0303 | 0.0303 | 103 | |
| PCB-180 | 45:26 | 5821864 | 1.06 | 1.2286 | 99.8 | 99.8 | 0.0318 | 0.0318 | 99.79 | |
| PCB-193 (C180) | 45:26 | 5821864 | 1.06 | 1.2286 | 99.8 | 99.8 | 0.0318 | 0.0318 | 99.79 | |
| PCB-191 | 45:50 | 3266777 | 1.05 | 1.3848 | 49.7 | 49.7 | 0.0282 | 0.0282 | 99.36 | |
| PCB-170 | 46:43 | 2330195 | 1.04 | 1.2700 | 49.6 | 49.6 | 0.0399 | 0.0399 | 99.18 | |
| PCB-190 | 47:15 | 3260454 | 1.05 | 1.3774 | 49.9 | 49.9 | 0.0283 | 0.0283 | 99.70 | |
| PCB-189 | 49:51 | 4934801 | 1.07 | 1.2799 | 50.8 | 50.8 | 0.0933 | 0.0933 | 102 | |
| S Total Octachlorobipheny | | | | | 563.7 | 563.7 | 0.0814 | 0.0814 | | |
| D PCB-202L | 42:41 | 4873170 | 0.90 | 1.0055 | 104.9 | 104.9 | 0.2024 | 0.2024 | 105 | |
| * PCB-194L | 51:56 | 4852662 | 0.93 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:24 | 6119248 | 0.89 | 1.2867 | 98.0 | 98.0 | 0.4327 | 0.4327 | 98.00 | |
| PCB-202 | 42:42 | 2379030 | 0.91 | 1.0531 | 46.4 | 46.4 | 0.0453 | 0.0453 | 92.72 | |
| PCB-201 | 43:37 | 2697013 | 0.91 | 1.1860 | 46.7 | 46.7 | 0.0402 | 0.0402 | 93.33 | |
| PCB-204 | 44:18 | 2533318 | 0.92 | 1.1009 | 47.2 | 47.2 | 0.0433 | 0.0433 | 94.44 | |
| PCB-197 | 44:32 | 2741107 | 0.88 | 1.2053 | 46.7 | 46.7 | 0.0396 | 0.0396 | 93.34 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:38 | 2592342 | 0.91 | 1.1260 | 47.2 | 47.2 | 0.0423 | 0.0423 | 94.48 | |
| PCB-198 | 47:25 | 3739521 | 0.89 | 0.8183 | 93.8 | 93.8 | 0.0583 | 0.0583 | 93.78 | |
| PCB-199 (C198) | 47:25 | 3739521 | 0.89 | 0.8183 | 93.8 | 93.8 | 0.0583 | 0.0583 | 93.78 | |
| PCB-196 | 48:06 | 1950264 | 0.92 | 0.8748 | 45.7 | 45.7 | 0.0545 | 0.0545 | 91.50 | |
| PCB-203 | 48:17 | 2026172 | 0.93 | 0.9219 | 45.1 | 45.1 | 0.0517 | 0.0517 | 90.20 | |
| PCB-195 | 49:36 | 2355644 | 0.91 | 0.7839 | 49.1 | 49.1 | 0.2097 | 0.2097 | 98.22 | |
| PCB-194 | 51:58 | 2751621 | 0.93 | 0.9282 | 48.4 | 48.4 | 0.1771 | 0.1771 | 96.89 | |
| PCB-205 | 52:26 | 3578604 | 0.92 | 1.2342 | 47.4 | 47.4 | 0.1332 | 0.1332 | 94.77 | |
| S Total Nonachlorobipheny | | | | | 142.7 | 142.7 | 0.3165 | 0.3165 | | |
| D PCB-208L | 49:22 | 5434047 | 0.78 | 1.1383 | 98.4 | 98.4 | 0.8395 | 0.8395 | 98.38 | |
| D PCB-206L | 54:10 | 3913747 | 0.80 | 0.8938 | 90.2 | 90.2 | 1.069 | 1.069 | 90.23 | |
| PCB-208 | 49:23 | 2941441 | 0.79 | 1.1567 | 46.8 | 46.8 | 0.2793 | 0.2793 | 93.59 | |
| PCB-207 | 50:19 | 3206814 | 0.79 | 1.3964 | 49.1 | 49.1 | 0.2747 | 0.2747 | 98.27 | |
| PCB-206 | 54:11 | 2182723 | 0.78 | 1.1927 | 46.8 | 46.8 | 0.3955 | 0.3955 | 93.52 | |
| D PCB-209L | 55:48 | 4178128 | 0.70 | 0.9809 | 87.8 | 87.8 | 0.1269 | 0.1269 | 87.78 | |
| DCB Decachlorobiphenyl | 55:50 | 2381768 | 0.71 | 1.2455 | 45.8 | 45.8 | 0.0549 | 0.0549 | 91.54 | |
| S Polychlorinated bipheny | | | | | 9577.4 | 9577.4 | 0.1135 | 0.1135 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00007 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 10-Oct-2019 00:50:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 02:23:07 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 10-Oct-2019 02:11:22

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:46 | 11:46 | 0 | 0.729 | 4898122 | 1914166 | 982 | 2455 | 1949 | | |
| 202.0766 | 11:46 | 11:46 | 0 | 0.729 | 1700917 | 641049 | 2620 | 6550 | 245 | 2.88(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:56 | 13:56 | 0 | 0.862 | 5303506 | 1715510 | 982 | 2455 | 1747 | | |
| 202.0766 | 13:56 | 13:56 | 0 | 0.862 | 1787476 | 565343 | 2620 | 6550 | 216 | 2.97(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:47 | 11:47 | 0 | 1.001 | 2930620 | 1127388 | 917 | 2292 | 1229 | | |
| 190.0363 | 11:47 | 11:47 | 0 | 1.001 | 931783 | 355766 | 351 | 877 | 1014 | 3.15(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:46 | 13:46 | 0 | 0.989 | 3157663 | 1081171 | 917 | 2292 | 1179 | | |
| 190.0363 | 13:46 | 13:46 | 0 | 0.989 | 1003880 | 343411 | 351 | 877 | 978 | 3.15(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:57 | 0 | 1.001 | 3196012 | 1008889 | 917 | 2292 | 1100 | | |
| 190.0363 | 13:57 | 13:57 | 0 | 1.001 | 1034351 | 334999 | 351 | 877 | 954 | 3.09(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:12 | 14:12 | 0 | 0.879 | 1886337 | 627054 | 483 | 1207 | 1298 | | |
| 236.0376 | 14:12 | 14:12 | 0 | 0.879 | 1183957 | 408890 | 178 | 445 | 2297 | 1.59(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:09 | 0 | | 3081241 | 913093 | 483 | 1207 | 1890 | | |
| 236.0376 | 16:09 | 16:09 | 0 | | 1912578 | 565800 | 178 | 445 | 3179 | 1.61(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 16:59 | 16:59 | 0 | 1.197 | 1459663 | 411459 | 483 | 1207 | 852 | | |
| 236.0376 | 16:59 | 16:59 | 0 | 1.197 | 895233 | 254519 | 178 | 445 | 1430 | 1.63(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:04 | 0 | 1.243 | 3262574 | 815445 | 483 | 1207 | 1688 | | |
| 236.0376 | 20:04 | 20:04 | 0 | 1.243 | 2034020 | 517740 | 178 | 445 | 2909 | 1.60(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:12 | 14:12 | 0 | 1.001 | 1156700 | 390581 | 137 | 342 | 2851 | | |
| 223.9974 | 14:12 | 14:12 | 0 | 1.001 | 714032 | 241942 | 110 | 275 | 2199 | 1.62(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:23 | 14:23 | 0 | 1.013 | 1854636 | 617520 | 137 | 342 | 4507 | | |
| 223.9974 | 14:23 | 14:23 | 0 | 1.013 | 1159021 | 384996 | 110 | 275 | 3500 | 1.60(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:11 | 16:11 | 0 | 1.140 | 1782130 | 523516 | 137 | 342 | 3821 | | |
| 223.9974 | 16:10 | 16:11 | -1 | 1.139 | 1115881 | 329246 | 110 | 275 | 2993 | 1.60(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:20 | 0 | 1.151 | 1984255 | 580771 | 137 | 342 | 4239 | | |
| 223.9974 | 16:20 | 16:20 | 0 | 1.151 | 1236085 | 365959 | 110 | 275 | 3327 | 1.61(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:35 | 16:35 | 0 | 1.169 | 1833321 | 523676 | 137 | 342 | 3822 | | |
| 223.9974 | 16:35 | 16:35 | 0 | 1.169 | 1132682 | 319169 | 110 | 275 | 2902 | 1.62(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:53 | 16:53 | 0 | 1.190 | 1887461 | 553088 | 137 | 342 | 4037 | | |
| 223.9974 | 16:53 | 16:53 | 0 | 1.190 | 1159114 | 346823 | 110 | 275 | 3153 | 1.63(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:01 | 17:01 | 0 | 1.199 | 1930793 | 544223 | 137 | 342 | 3972 | | |
| 223.9974 | 17:01 | 17:01 | 0 | 1.199 | 1220275 | 334671 | 110 | 275 | 3042 | 1.58(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | 18:38 | 0 | 0.928 | 2250362 | 606550 | 137 | 342 | 4427 | | |
| 223.9974 | 18:38 | 18:38 | 0 | 0.928 | 1389554 | 370597 | 110 | 275 | 3369 | 1.62(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:28 | 19:28 | 0 | 0.970 | 1949917 | 513696 | 137 | 342 | 3750 | | |
| 223.9974 | 19:28 | 19:28 | 0 | 0.970 | 1213855 | 318415 | 110 | 275 | 2895 | 1.61(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 0 | 0.986 | 4004318 | 627540 | 137 | 342 | 4581 | | |
| 223.9974 | 19:47 | 19:47 | 0 | 0.986 | 2487221 | 384790 | 110 | 275 | 3498 | 1.61(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 0 | 0.986 | 4004318 | 627540 | 137 | 342 | 4581 | | |
| 223.9974 | 19:47 | 19:47 | 0 | 0.986 | 2487221 | 384790 | 110 | 275 | 3498 | 1.61(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:05 | 20:05 | 0 | 1.001 | 2143693 | 513066 | 137 | 342 | 3745 | | |
| 223.9974 | 20:05 | 20:05 | 0 | 1.001 | 1341689 | 323168 | 110 | 275 | 2938 | 1.60(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:17 | 17:17 | 0 | 0.842 | 1053485 | 301647 | 648 | 1620 | 466 | | |
| 269.9986 | 17:17 | 17:17 | 0 | 0.842 | 969779 | 276595 | 308 | 770 | 898 | 1.09(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:33 | 20:33 | 0 | | 1661144 | 424738 | 648 | 1620 | 655 | | |
| 269.9986 | 20:33 | 20:33 | 0 | | 1554079 | 400060 | 308 | 770 | 1299 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:49 | 22:49 | 0 | | 4775235 | 1168457 | 751 | 1877 | 1556 | | |
| 269.9986 | 22:49 | 22:49 | 0 | | 4554033 | 1110397 | 764 | 1910 | 1453 | 1.05(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:06 | 23:06 | 0 | 1.013 | 2696230 | 638223 | 751 | 1877 | 850 | | |
| 269.9986 | 23:06 | 23:06 | 0 | 1.013 | 2542427 | 607899 | 764 | 1910 | 796 | 1.06(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:07 | 27:07 | 0 | 1.189 | 4665239 | 998985 | 751 | 1877 | 1330 | | |
| 269.9986 | 27:07 | 27:07 | 0 | 1.189 | 4360329 | 951111 | 764 | 1910 | 1245 | 1.07(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:19 | 17:19 | 0 | 1.002 | 637581 | 184474 | 42 | 105 | 4392 | | |
| 257.9584 | 17:19 | 17:19 | 0 | 1.002 | 600368 | 171006 | 54 | 135 | 3167 | 1.06(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.108 | 1759843 | 376625 | 42 | 105 | 8967 | | |
| 257.9584 | 19:09 | 19:09 | 0 | 1.108 | 1632842 | 352468 | 54 | 135 | 6527 | 1.08(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.108 | 1759843 | 376625 | 42 | 105 | 8967 | | |
| 257.9584 | 19:09 | 19:09 | 0 | 1.108 | 1632842 | 352468 | 54 | 135 | 6527 | 1.08(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:35 | 19:35 | 0 | 1.133 | 771078 | 202178 | 42 | 105 | 4814 | | |
| 257.9584 | 19:35 | 19:35 | 0 | 1.133 | 713100 | 185853 | 54 | 135 | 3442 | 1.08(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:49 | 19:49 | 0 | 1.146 | 1065198 | 279051 | 42 | 105 | 6644 | | |
| 257.9584 | 19:49 | 19:49 | 0 | 1.146 | 983484 | 256304 | 54 | 135 | 4746 | 1.08(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:57 | 19:57 | 0 | 1.154 | 987161 | 263978 | 42 | 105 | 6285 | | |
| 257.9584 | 19:57 | 19:57 | 0 | 1.154 | 938304 | 244429 | 54 | 135 | 4526 | 1.05(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:03 | 20:03 | 0 | 1.160 | 603934 | 151515 | 42 | 105 | 3608 | | |
| 257.9584 | 20:03 | 20:03 | 0 | 1.160 | 567086 | 142975 | 54 | 135 | 2648 | 1.06(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | 20:34 | 0 | 1.190 | 1089584 | 283555 | 42 | 105 | 6751 | | |
| 257.9584 | 20:34 | 20:34 | 0 | 1.190 | 1021050 | 263358 | 54 | 135 | 4877 | 1.07(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:50 | 21:50 | 0 | 1.263 | 2809201 | 706787 | 1027 | 2567 | 688 | | |
| 257.9584 | 21:50 | 21:50 | 0 | 1.263 | 2635324 | 666066 | 1163 | 2907 | 573 | 1.07(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:59 | 21:59 | 0 | 1.272 | 2902395 | 720895 | 1027 | 2567 | 702 | | |
| 257.9584 | 21:59 | 21:59 | 0 | 1.272 | 2723049 | 674931 | 1163 | 2907 | 580 | 1.07(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:18 | 0 | 1.290 | 5811078 | 1107165 | 1027 | 2567 | 1078 | | |
| 257.9584 | 22:18 | 22:18 | 0 | 1.290 | 5463712 | 1037064 | 1163 | 2907 | 892 | 1.06(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:18 | 0 | 1.290 | 5811078 | 1107165 | 1027 | 2567 | 1078 | | |
| 257.9584 | 22:18 | 22:18 | 0 | 1.290 | 5463712 | 1037064 | 1163 | 2907 | 892 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:31 | 22:31 | 0 | 0.830 | 3031628 | 685423 | 1027 | 2567 | 667 | | |
| 257.9584 | 22:31 | 22:31 | 0 | 0.830 | 2844380 | 652428 | 1163 | 2907 | 561 | 1.07(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:50 | 22:50 | 0 | 0.842 | 3075097 | 740742 | 1027 | 2567 | 721 | | |
| 257.9584 | 22:50 | 22:50 | 0 | 0.842 | 2898419 | 689159 | 1163 | 2907 | 593 | 1.06(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:08 | 0 | 0.853 | 5732477 | 1157766 | 1027 | 2567 | 1127 | | |
| 257.9584 | 23:08 | 23:08 | 0 | 0.853 | 5354251 | 1075132 | 1163 | 2907 | 924 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:08 | 0 | 0.853 | 5732477 | 1157766 | 1027 | 2567 | 1127 | | |
| 257.9584 | 23:08 | 23:08 | 0 | 0.853 | 5354251 | 1075132 | 1163 | 2907 | 924 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:22 | 23:22 | 0 | 0.862 | 6049161 | 768188 | 1027 | 2567 | 748 | | |
| 257.9584 | 23:22 | 23:22 | 0 | 0.862 | 5689449 | 723010 | 1163 | 2907 | 622 | 1.06(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:22 | 23:22 | 0 | 0.862 | 6049161 | 768188 | 1027 | 2567 | 748 | | |
| 257.9584 | 23:22 | 23:22 | 0 | 0.862 | 5689449 | 723010 | 1163 | 2907 | 622 | 1.06(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:46 | 23:46 | 0 | 0.876 | 2824576 | 648934 | 1027 | 2567 | 632 | | |
| 257.9584 | 23:46 | 23:46 | 0 | 0.876 | 2695418 | 615734 | 1163 | 2907 | 529 | 1.05(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:19 | 25:19 | 0 | 0.934 | 3186605 | 699379 | 1027 | 2567 | 681 | | |
| 257.9584 | 25:19 | 25:19 | 0 | 0.934 | 2947873 | 647772 | 1163 | 2907 | 557 | 1.08(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:40 | 25:40 | 0 | 0.947 | 3175860 | 684721 | 1027 | 2567 | 667 | | |
| 257.9584 | 25:40 | 25:40 | 0 | 0.947 | 2955429 | 655007 | 1163 | 2907 | 563 | 1.07(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:15 | 26:15 | 0 | 0.969 | 2871909 | 641971 | 1027 | 2567 | 625 | | |
| 257.9584 | 26:15 | 26:15 | 0 | 0.969 | 2650746 | 602056 | 1163 | 2907 | 518 | 1.08(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:44 | 26:44 | 0 | 0.986 | 2952636 | 625135 | 1027 | 2567 | 609 | | |
| 257.9584 | 26:43 | 26:44 | -1 | 0.985 | 2709931 | 571682 | 1163 | 2907 | 492 | 1.09(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:07 | 27:07 | 0 | 1.000 | 3034534 | 634647 | 1027 | 2567 | 618 | | |
| 257.9584 | 27:07 | 27:07 | 0 | 1.000 | 2796138 | 596483 | 1163 | 2907 | 513 | 1.09(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:22 | 0 | 0.817 | 909367 | 235434 | 94 | 235 | 2505 | | |
| 303.9597 | 20:22 | 20:22 | 0 | 0.817 | 1113673 | 293239 | 30 | 75 | 9775 | 0.82(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:56 | 24:56 | 0 | | 2280616 | 535724 | 997 | 2492 | 537 | | |
| 303.9597 | 24:56 | 24:56 | 0 | | 2812512 | 666647 | 1063 | 2657 | 627 | 0.81(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:52 | 32:52 | 0 | 0.971 | 1631697 | 341784 | 997 | 2492 | 343 | | |
| 303.9597 | 32:52 | 32:52 | 0 | 0.971 | 2037008 | 431149 | 1063 | 2657 | 406 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:51 | 33:51 | 0 | 1.358 | 3179444 | 646463 | 997 | 2492 | 648 | | |
| 303.9597 | 33:52 | 33:51 | 1 | 1.358 | 3901016 | 816705 | 1063 | 2657 | 768 | 0.82(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:26 | 34:26 | 0 | 1.381 | 3310578 | 664777 | 997 | 2492 | 667 | | |
| 303.9597 | 34:26 | 34:26 | 0 | 1.381 | 4064137 | 811816 | 1063 | 2657 | 764 | 0.81(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:24 | 20:24 | 0 | 1.000 | 592963 | 149198 | 38 | 95 | 3926 | | |
| 291.9194 | 20:23 | 20:24 | -1 | 0.999 | 722201 | 177267 | 34 | 85 | 5214 | 0.82(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:35 | 22:35 | 0 | 1.108 | 2583982 | 491436 | 606 | 1515 | 811 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.108 | 3262750 | 608237 | 593 | 1482 | 1026 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:35 | 22:35 | 0 | 1.108 | 2583982 | 491436 | 606 | 1515 | 811 | | |
| 291.9194 | 22:34 | 22:35 | -1 | 1.108 | 3262750 | 608237 | 593 | 1482 | 1026 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:18 | 23:18 | 0 | 1.144 | 2468305 | 321028 | 606 | 1515 | 530 | | M |
| 291.9194 | 23:18 | 23:18 | 0 | 1.144 | 3091446 | 407054 | 593 | 1482 | 686 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:18 | 23:18 | 0 | 1.144 | 2468305 | 321028 | 606 | 1515 | 530 | | M |
| 291.9194 | 23:18 | 23:18 | 0 | 1.144 | 3091446 | 407054 | 593 | 1482 | 686 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:33 | 23:33 | 0 | 1.156 | 1068866 | 250217 | 606 | 1515 | 413 | | |
| 291.9194 | 23:32 | 23:33 | -1 | 1.155 | 1356193 | 315718 | 593 | 1482 | 532 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:58 | 24:58 | 0 | 1.225 | 1323251 | 312581 | 606 | 1515 | 516 | | |
| 291.9194 | 24:58 | 24:58 | 0 | 1.225 | 1629373 | 392071 | 593 | 1482 | 661 | 0.81(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:07 | 25:07 | 0 | 1.233 | 2907892 | 402450 | 606 | 1515 | 664 | | M |
| 291.9194 | 25:07 | 25:07 | 0 | 1.233 | 3679071 | 510432 | 593 | 1482 | 861 | 0.79(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:07 | 25:07 | 0 | 1.233 | 2907892 | 402450 | 606 | 1515 | 664 | | M |
| 291.9194 | 25:07 | 25:07 | 0 | 1.233 | 3679071 | 510432 | 593 | 1482 | 861 | 0.79(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:25 | 0 | 1.248 | 3237107 | 498137 | 606 | 1515 | 822 | | |
| 291.9194 | 25:25 | 25:25 | 0 | 1.248 | 4067224 | 627372 | 593 | 1482 | 1058 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:25 | 0 | 1.248 | 3237107 | 498137 | 606 | 1515 | 822 | | |
| 291.9194 | 25:25 | 25:25 | 0 | 1.248 | 4067224 | 627372 | 593 | 1482 | 1058 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:44 | 25:44 | 0 | 1.263 | 1323637 | 310527 | 606 | 1515 | 512 | | |
| 291.9194 | 25:44 | 25:44 | 0 | 1.263 | 1678977 | 395393 | 593 | 1482 | 667 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:59 | 0 | 1.275 | 4301145 | 770746 | 606 | 1515 | 1272 | | |
| 291.9194 | 25:59 | 25:59 | 0 | 1.275 | 5359487 | 941856 | 593 | 1482 | 1588 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:59 | 0 | 1.275 | 4301145 | 770746 | 606 | 1515 | 1272 | | |
| 291.9194 | 25:59 | 25:59 | 0 | 1.275 | 5359487 | 941856 | 593 | 1482 | 1588 | 0.80(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:59 | 25:59 | 0 | 1.275 | 4301145 | 770746 | 606 | 1515 | 1272 | | |
| 291.9194 | 25:59 | 25:59 | 0 | 1.275 | 5359487 | 941856 | 593 | 1482 | 1588 | 0.80(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:16 | 0 | 1.290 | 5546141 | 841549 | 606 | 1515 | 1389 | | |
| 291.9194 | 26:16 | 26:16 | 0 | 1.290 | 6946872 | 1047910 | 593 | 1482 | 1767 | 0.80(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:16 | 0 | 1.290 | 5546141 | 841549 | 606 | 1515 | 1389 | | |
| 291.9194 | 26:16 | 26:16 | 0 | 1.290 | 6946872 | 1047910 | 593 | 1482 | 1767 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | 26:16 | 0 | 1.290 | 5546141 | 841549 | 606 | 1515 | 1389 | | |
| 291.9194 | 26:16 | 26:16 | 0 | 1.290 | 6946872 | 1047910 | 593 | 1482 | 1767 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:29 | 26:29 | 0 | 1.300 | 1287395 | 288364 | 606 | 1515 | 476 | | |
| 291.9194 | 26:29 | 26:29 | 0 | 1.300 | 1594608 | 362198 | 593 | 1482 | 611 | 0.81(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 3826846 | 575884 | 606 | 1515 | 950 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 4764454 | 713094 | 593 | 1482 | 1203 | 0.80(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 3826846 | 575884 | 606 | 1515 | 950 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 4764454 | 713094 | 593 | 1482 | 1203 | 0.80(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:59 | 26:59 | 0 | 1.325 | 3826846 | 575884 | 606 | 1515 | 950 | | M |
| 291.9194 | 26:59 | 26:59 | 0 | 1.325 | 4764454 | 713094 | 593 | 1482 | 1203 | 0.80(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:12 | 27:12 | 0 | 1.335 | 1929317 | 428121 | 606 | 1515 | 706 | | |
| 291.9194 | 27:12 | 27:12 | 0 | 1.335 | 2376380 | 530822 | 593 | 1482 | 895 | 0.81(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:02 | 28:02 | 0 | 0.828 | 1794702 | 397227 | 606 | 1515 | 655 | | |
| 291.9194 | 28:02 | 28:02 | -1 | 0.828 | 2241428 | 497802 | 593 | 1482 | 839 | 0.80(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:19 | 28:19 | 0 | 0.836 | 2132269 | 460835 | 606 | 1515 | 760 | | |
| 291.9194 | 28:19 | 28:19 | 0 | 0.836 | 2669852 | 567641 | 593 | 1482 | 957 | 0.80(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:44 | 28:44 | 0 | 0.849 | 1850244 | 421033 | 606 | 1515 | 695 | | |
| 291.9194 | 28:44 | 28:44 | 0 | 0.849 | 2325978 | 525448 | 593 | 1482 | 886 | 0.80(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:59 | 28:59 | 0 | 0.856 | 1936176 | 425035 | 606 | 1515 | 701 | | |
| 291.9194 | 28:59 | 28:59 | 0 | 0.856 | 2417135 | 520348 | 593 | 1482 | 877 | 0.80(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:09 | 29:09 | 0 | 0.861 | 1969725 | 414318 | 606 | 1515 | 684 | | |
| 291.9194 | 29:09 | 29:09 | 0 | 0.861 | 2486218 | 518790 | 593 | 1482 | 875 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:25 | 29:25 | 0 | 0.869 | 2134086 | 460641 | 606 | 1515 | 760 | | |
| 291.9194 | 29:25 | 29:25 | 0 | 0.869 | 2656657 | 564671 | 593 | 1482 | 952 | 0.80(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7672432 | 853287 | 606 | 1515 | 1408 | | |
| 291.9194 | 29:45 | 29:45 | 0 | 0.879 | 9605837 | 1048414 | 593 | 1482 | 1768 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7672432 | 853287 | 606 | 1515 | 1408 | | |
| 291.9194 | 29:45 | 29:45 | 0 | 0.879 | 9605837 | 1048414 | 593 | 1482 | 1768 | 0.80(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7672432 | 853287 | 606 | 1515 | 1408 | | |
| 291.9194 | 29:45 | 29:45 | 0 | 0.879 | 9605837 | 1048414 | 593 | 1482 | 1768 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:45 | 29:45 | 0 | 0.879 | 7672432 | 853287 | 606 | 1515 | 1408 | | |
| 291.9194 | 29:45 | 29:45 | 0 | 0.879 | 9605837 | 1048414 | 593 | 1482 | 1768 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:05 | 30:05 | 0 | 0.888 | 1933961 | 398904 | 606 | 1515 | 658 | | |
| 291.9194 | 30:05 | 30:05 | 0 | 0.888 | 2325085 | 503568 | 593 | 1482 | 849 | 0.83(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:14 | 30:14 | 0 | 0.893 | 1927741 | 415728 | 606 | 1515 | 686 | | |
| 291.9194 | 30:14 | 30:14 | 0 | 0.893 | 2411710 | 520137 | 593 | 1482 | 877 | 0.80(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:44 | 30:44 | 0 | 0.908 | 1823356 | 398104 | 606 | 1515 | 657 | | |
| 291.9194 | 30:44 | 30:44 | 0 | 0.908 | 2308360 | 503823 | 593 | 1482 | 850 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:57 | 30:57 | 0 | 0.914 | 1929185 | 407238 | 606 | 1515 | 672 | | |
| 291.9194 | 30:57 | 30:57 | 0 | 0.914 | 2438535 | 504985 | 593 | 1482 | 852 | 0.79(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:22 | 31:22 | 0 | 0.926 | 2216408 | 474642 | 606 | 1515 | 783 | | |
| 291.9194 | 31:22 | 31:22 | 0 | 0.926 | 2747223 | 583663 | 593 | 1482 | 984 | 0.81(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:53 | 32:53 | 0 | 0.971 | 2205180 | 448941 | 606 | 1515 | 741 | | |
| 291.9194 | 32:53 | 32:53 | 0 | 0.971 | 2749857 | 551192 | 593 | 1482 | 929 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:27 | 33:27 | 0 | 0.988 | 1886043 | 392980 | 606 | 1515 | 648 | | |
| 291.9194 | 33:27 | 33:27 | 0 | 0.988 | 2373929 | 498697 | 593 | 1482 | 841 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:53 | 33:53 | 0 | 1.001 | 1958278 | 400864 | 606 | 1515 | 661 | | |
| 291.9194 | 33:53 | 33:53 | 0 | 1.001 | 2471293 | 513158 | 593 | 1482 | 865 | 0.79(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:27 | 34:27 | 0 | 1.000 | 2031319 | 408241 | 606 | 1515 | 674 | | |
| 291.9194 | 34:27 | 34:27 | 0 | 1.000 | 2570171 | 516451 | 593 | 1482 | 871 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:53 | 25:53 | 0 | 0.814 | 3151945 | 729653 | 159 | 397 | 4589 | | |
| 339.9178 | 25:53 | 25:53 | 0 | 0.814 | 1911964 | 435937 | 140 | 350 | 3114 | 1.65(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:51 | 28:51 | 0 | 1.115 | 1122676 | 248409 | 159 | 397 | 1562 | | |
| 339.9178 | 28:51 | 28:51 | -1 | 1.114 | 695026 | 145768 | 140 | 350 | 1041 | 1.62(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:48 | 31:48 | 0 | | 2550984 | 559377 | 159 | 397 | 3518 | | |
| 339.9178 | 31:48 | 31:48 | 0 | | 1561672 | 339843 | 140 | 350 | 2427 | 1.63(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:29 | 34:29 | 0 | 1.084 | 1707467 | 361288 | 159 | 397 | 2272 | | |
| 339.9178 | 34:29 | 34:29 | 0 | 1.084 | 1069781 | 226904 | 140 | 350 | 1621 | 1.60(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:27 | 36:27 | 0 | 1.146 | 4299100 | 889365 | 2286 | 5715 | 389 | | |
| 339.9178 | 36:27 | 36:27 | 0 | 1.146 | 2754468 | 562801 | 1267 | 3167 | 444 | 1.56(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:46 | 36:46 | 0 | 1.157 | 4636708 | 959085 | 2286 | 5715 | 420 | | |
| 339.9178 | 36:46 | 36:46 | 0 | 1.157 | 2900405 | 606087 | 1267 | 3167 | 478 | 1.60(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:18 | 37:18 | 0 | 1.173 | 4511396 | 923539 | 2286 | 5715 | 404 | | |
| 339.9178 | 37:18 | 37:18 | 0 | 1.173 | 2880557 | 583123 | 1267 | 3167 | 460 | 1.57(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:56 | 37:56 | 0 | 1.193 | 4470013 | 885829 | 2286 | 5715 | 388 | | |
| 339.9178 | 37:57 | 37:56 | 1 | 1.194 | 2766088 | 542496 | 1267 | 3167 | 428 | 1.62(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:25 | 39:25 | 0 | | 4508749 | 916091 | 2286 | 5715 | 401 | | |
| 339.9178 | 39:25 | 39:25 | 0 | | 2834694 | 572955 | 1267 | 3167 | 452 | 1.59(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:02 | 41:02 | 0 | 1.291 | 4454518 | 877152 | 2286 | 5715 | 384 | | |
| 339.9178 | 41:02 | 41:02 | 0 | 1.291 | 2780051 | 558960 | 1267 | 3167 | 441 | 1.60(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:55 | 25:55 | 0 | 1.001 | 2006780 | 462863 | 64 | 160 | 7232 | | |
| 327.8775 | 25:55 | 25:55 | 0 | 1.001 | 1260721 | 286290 | 42 | 105 | 6816 | 1.59(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:17 | 26:17 | 0 | 1.015 | 1756722 | 392204 | 64 | 160 | 6128 | | |
| 327.8775 | 26:16 | 26:17 | -1 | 1.015 | 1117093 | 249340 | 42 | 105 | 5937 | 1.57(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:13 | 28:13 | 0 | 1.090 | 1532056 | 341609 | 64 | 160 | 5338 | | |
| 327.8775 | 28:13 | 28:13 | 0 | 1.090 | 959493 | 212292 | 42 | 105 | 5055 | 1.60(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:26 | 28:26 | 0 | 1.098 | 1327092 | 288755 | 64 | 160 | 4512 | | |
| 327.8775 | 28:26 | 28:26 | 0 | 1.098 | 849546 | 186549 | 42 | 105 | 4442 | 1.56(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:53 | 28:53 | 0 | 1.116 | 1405002 | 303573 | 64 | 160 | 4743 | | |
| 327.8775 | 28:52 | 28:53 | -1 | 1.115 | 881687 | 192894 | 42 | 105 | 4593 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:06 | 29:06 | 0 | 1.124 | 2788430 | 592669 | 64 | 160 | 9260 | | |
| 327.8775 | 29:06 | 29:06 | 0 | 1.124 | 1758401 | 370828 | 42 | 105 | 8829 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:06 | 29:06 | 0 | 1.124 | 2788430 | 592669 | 64 | 160 | 9260 | | |
| 327.8775 | 29:06 | 29:06 | 0 | 1.124 | 1758401 | 370828 | 42 | 105 | 8829 | 1.59(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:15 | 29:15 | 0 | 1.130 | 2885255 | 341952 | 64 | 160 | 5343 | | M |
| 327.8775 | 29:14 | 29:15 | -1 | 1.129 | 1812287 | 216262 | 42 | 105 | 5149 | 1.59(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:15 | 29:15 | 0 | 1.130 | 2885255 | 341952 | 64 | 160 | 5343 | | M |
| 327.8775 | 29:14 | 29:15 | -1 | 1.129 | 1812287 | 216262 | 42 | 105 | 5149 | 1.59(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | M |
| 325.8804 | 29:45 | 29:45 | 0 | 1.149 | 2885575 | 343765 | 64 | 160 | 5371 | | M |
| 327.8775 | 29:45 | 29:45 | 0 | 1.149 | 1807889 | 207946 | 42 | 105 | 4951 | 1.60(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | M |
| 325.8804 | 29:45 | 29:45 | 0 | 1.149 | 2885575 | 343765 | 64 | 160 | 5371 | | M |
| 327.8775 | 29:45 | 29:45 | 0 | 1.149 | 1807889 | 207946 | 42 | 105 | 4951 | 1.60(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:58 | 29:58 | 0 | 1.157 | 1237500 | 261453 | 64 | 160 | 4085 | | |
| 327.8775 | 29:58 | 29:58 | 0 | 1.157 | 784443 | 167807 | 42 | 105 | 3995 | 1.58(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:27 | 30:27 | 0 | 1.176 | 1333279 | 287619 | 64 | 160 | 4494 | | |
| 327.8775 | 30:27 | 30:27 | 0 | 1.176 | 832911 | 176015 | 42 | 105 | 4191 | 1.60(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | M |
| 325.8804 | 30:52 | 30:52 | 0 | 1.192 | 2053253 | 440029 | 64 | 160 | 6875 | | |
| 327.8775 | 30:52 | 30:52 | 0 | 1.192 | 1285390 | 278912 | 42 | 105 | 6641 | 1.60(1.32-1.78) | M |
| PCB-92 | | | | | | | | | | | Ma |
| 325.8804 | 31:14 | 31:14 | 0 | 0.857 | 1432256 | 304996 | 64 | 160 | 4766 | | M |
| 327.8775 | 31:14 | 31:14 | 0 | 0.857 | 894176 | 196821 | 42 | 105 | 4686 | 1.60(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:49 | 31:49 | 0 | 1.229 | 5030052 | 734831 | 64 | 160 | 11482 | | |
| 327.8775 | 31:49 | 31:49 | 0 | 1.229 | 3136897 | 461477 | 42 | 105 | 10988 | 1.60(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:49 | 31:49 | 0 | 1.229 | 5030052 | 734831 | 64 | 160 | 11482 | | |
| 327.8775 | 31:49 | 31:49 | 0 | 1.229 | 3136897 | 461477 | 42 | 105 | 10988 | 1.60(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:49 | 31:49 | 0 | 1.229 | 5030052 | 734831 | 64 | 160 | 11482 | | |
| 327.8775 | 31:49 | 31:49 | 0 | 1.229 | 3136897 | 461477 | 42 | 105 | 10988 | 1.60(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:24 | 32:24 | 0 | 1.252 | 2854384 | 339868 | 64 | 160 | 5310 | | |
| 327.8775 | 32:24 | 32:24 | -1 | 1.251 | 1811137 | 214092 | 42 | 105 | 5097 | 1.58(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:24 | 32:24 | 0 | 1.252 | 2854384 | 339868 | 64 | 160 | 5310 | | |
| 327.8775 | 32:24 | 32:24 | -1 | 1.251 | 1811137 | 214092 | 42 | 105 | 5097 | 1.58(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:31 | 32:31 | 0 | 1.256 | 2027413 | 419003 | 64 | 160 | 6547 | | |
| 327.8775 | 32:31 | 32:31 | -1 | 1.256 | 1253805 | 263894 | 42 | 105 | 6283 | 1.62(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 10164948 | 1159506 | 64 | 160 | 18117 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6401440 | 730418 | 42 | 105 | 17391 | 1.59(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 10164948 | 1159506 | 64 | 160 | 18117 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6401440 | 730418 | 42 | 105 | 17391 | 1.59(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 10164948 | 1159506 | 64 | 160 | 18117 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6401440 | 730418 | 42 | 105 | 17391 | 1.59(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 10164948 | 1159506 | 64 | 160 | 18117 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6401440 | 730418 | 42 | 105 | 17391 | 1.59(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 10164948 | 1159506 | 64 | 160 | 18117 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6401440 | 730418 | 42 | 105 | 17391 | 1.59(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:53 | 32:53 | 0 | 1.271 | 10164948 | 1159506 | 64 | 160 | 18117 | | M |
| 327.8775 | 32:53 | 32:53 | 0 | 1.271 | 6401440 | 730418 | 42 | 105 | 17391 | 1.59(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:37 | 33:37 | 0 | 1.299 | 5359395 | 703568 | 64 | 160 | 10993 | | |
| 327.8775 | 33:37 | 33:37 | 0 | 1.299 | 3394334 | 448203 | 42 | 105 | 10672 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:37 | 33:37 | 0 | 1.299 | 5359395 | 703568 | 64 | 160 | 10993 | | |
| 327.8775 | 33:37 | 33:37 | 0 | 1.299 | 3394334 | 448203 | 42 | 105 | 10672 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:37 | 33:37 | 0 | 1.299 | 5359395 | 703568 | 64 | 160 | 10993 | | |
| 327.8775 | 33:37 | 33:37 | 0 | 1.299 | 3394334 | 448203 | 42 | 105 | 10672 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:51 | 33:51 | 0 | 1.308 | 4018376 | 445018 | 64 | 160 | 6953 | | |
| 327.8775 | 33:51 | 33:51 | 0 | 1.308 | 2509211 | 276908 | 42 | 105 | 6593 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:51 | 33:51 | 0 | 1.308 | 4018376 | 445018 | 64 | 160 | 6953 | | |
| 327.8775 | 33:51 | 33:51 | 0 | 1.308 | 2509211 | 276908 | 42 | 105 | 6593 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:07 | 34:07 | 0 | 1.318 | 1301395 | 253778 | 64 | 160 | 3965 | | |
| 327.8775 | 34:07 | 34:07 | 0 | 1.318 | 808803 | 161124 | 42 | 105 | 3836 | 1.61(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:30 | 34:30 | 0 | 1.333 | 2148513 | 447827 | 64 | 160 | 6997 | | |
| 327.8775 | 34:30 | 34:30 | 0 | 1.333 | 1337839 | 275073 | 42 | 105 | 6549 | 1.61(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:58 | 34:58 | 0 | 1.351 | 2235873 | 457084 | 64 | 160 | 7142 | | |
| 327.8775 | 34:58 | 34:58 | 0 | 1.351 | 1390588 | 284033 | 42 | 105 | 6763 | 1.61(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:06 | 0 | 1.395 | 5015204 | 1011528 | 1281 | 3202 | 790 | | |
| 327.8775 | 36:06 | 36:06 | 0 | 1.395 | 3180377 | 647466 | 731 | 1827 | 886 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:06 | 36:06 | 0 | 1.395 | 5015204 | 1011528 | 1281 | 3202 | 790 | | |
| 327.8775 | 36:06 | 36:06 | 0 | 1.395 | 3180377 | 647466 | 731 | 1827 | 886 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:21 | 36:21 | 0 | 1.404 | 2784286 | 540451 | 1281 | 3202 | 422 | | |
| 327.8775 | 36:21 | 36:21 | 0 | 1.404 | 1760432 | 339582 | 731 | 1827 | 465 | 1.58(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:27 | 36:27 | 0 | 1.000 | 2803215 | 584113 | 1281 | 3202 | 456 | | |
| 327.8775 | 36:27 | 36:27 | 0 | 1.000 | 1778332 | 370871 | 731 | 1827 | 507 | 1.58(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:34 | 36:34 | 0 | 1.004 | 2662966 | 548017 | 1281 | 3202 | 428 | | |
| 327.8775 | 36:34 | 36:34 | 0 | 1.004 | 1670825 | 343532 | 731 | 1827 | 470 | 1.59(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:48 | 36:48 | 0 | 1.001 | 2903339 | 566530 | 1281 | 3202 | 442 | | |
| 327.8775 | 36:47 | 36:48 | -1 | 1.000 | 1810806 | 350279 | 731 | 1827 | 479 | 1.60(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:08 | 37:08 | 0 | 1.010 | 2520324 | 520224 | 1281 | 3202 | 406 | | |
| 327.8775 | 37:08 | 37:08 | 0 | 1.010 | 1590240 | 322592 | 731 | 1827 | 441 | 1.58(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:19 | 37:19 | 0 | 1.001 | 2942477 | 582200 | 1281 | 3202 | 454 | | |
| 327.8775 | 37:19 | 37:19 | 0 | 1.001 | 1854308 | 370121 | 731 | 1827 | 506 | 1.59(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:58 | 37:58 | 0 | 1.001 | 2766239 | 528637 | 1281 | 3202 | 413 | | |
| 327.8775 | 37:58 | 37:58 | 0 | 1.001 | 1685212 | 335764 | 731 | 1827 | 459 | 1.64(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:26 | 39:26 | 0 | 1.040 | 2759067 | 532424 | 1281 | 3202 | 416 | | |
| 327.8775 | 39:26 | 39:26 | 0 | 1.040 | 1741979 | 339330 | 731 | 1827 | 464 | 1.58(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:03 | 41:03 | 0 | 1.000 | 2754211 | 508125 | 1281 | 3202 | 397 | | |
| 327.8775 | 41:03 | 41:03 | 0 | 1.000 | 1734456 | 323259 | 731 | 1827 | 442 | 1.59(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:35 | 31:35 | 0 | 0.792 | 2547769 | 528972 | 186 | 465 | 2844 | | |
| 373.8788 | 31:35 | 31:35 | 0 | 0.792 | 1976307 | 409093 | 224 | 560 | 1826 | 1.29(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:39 | 38:39 | 0 | 0.901 | 1510069 | 309187 | 874 | 2185 | 354 | | |
| 373.8788 | 38:39 | 38:39 | 0 | 0.901 | 1169378 | 238489 | 724 | 1810 | 329 | 1.29(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:54 | 39:54 | 0 | | 2969352 | 612412 | 874 | 2185 | 701 | | |
| 373.8788 | 39:54 | 39:54 | 0 | | 2330121 | 472685 | 724 | 1810 | 653 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:54 | 42:54 | 0 | 1.075 | 3814290 | 752182 | 874 | 2185 | 861 | | |
| 373.8788 | 42:54 | 42:54 | 0 | 1.075 | 2971075 | 579879 | 724 | 1810 | 801 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:03 | 44:03 | 0 | 1.104 | 7366979 | 1039122 | 874 | 2185 | 1189 | | |
| 373.8788 | 44:03 | 44:03 | 0 | 1.104 | 5877079 | 803425 | 724 | 1810 | 1110 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:03 | 44:03 | 0 | 1.104 | 7366979 | 1039122 | 874 | 2185 | 1189 | | |
| 373.8788 | 44:03 | 44:03 | 0 | 1.104 | 5877079 | 803425 | 724 | 1810 | 1110 | 1.25(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:17 | 47:17 | 0 | 1.185 | 3729335 | 719743 | 874 | 2185 | 824 | | |
| 373.8788 | 47:17 | 47:17 | 0 | 1.185 | 2958280 | 569266 | 724 | 1810 | 786 | 1.26(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:36 | 31:36 | 0 | 1.000 | 1543355 | 323114 | 56 | 140 | 5770 | | |
| 361.8385 | 31:36 | 31:36 | 0 | 1.000 | 1213179 | 256049 | 47 | 117 | 5448 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:47 | 31:47 | 0 | 1.006 | 1455589 | 315541 | 56 | 140 | 5635 | | |
| 361.8385 | 31:47 | 31:47 | 0 | 1.006 | 1136308 | 245181 | 47 | 117 | 5217 | 1.28(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:58 | 31:58 | 0 | 1.012 | 1516161 | 320109 | 56 | 140 | 5716 | | |
| 361.8385 | 31:58 | 31:58 | 0 | 1.012 | 1166084 | 246560 | 47 | 117 | 5246 | 1.30(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:18 | 32:18 | 0 | 1.023 | 1400285 | 287885 | 56 | 140 | 5141 | | |
| 361.8385 | 32:18 | 32:18 | 0 | 1.023 | 1088820 | 230284 | 47 | 117 | 4900 | 1.29(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:37 | 32:37 | 0 | 1.033 | 1424544 | 300214 | 56 | 140 | 5361 | | |
| 361.8385 | 32:37 | 32:37 | 0 | 1.033 | 1116489 | 230675 | 47 | 117 | 4908 | 1.28(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:08 | 34:08 | 0 | 1.081 | 1079103 | 222572 | 56 | 140 | 3975 | | |
| 361.8385 | 34:08 | 34:08 | 0 | 1.081 | 838537 | 175860 | 47 | 117 | 3742 | 1.29(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:43 | 34:43 | 0 | 1.099 | 2082954 | 240975 | 56 | 140 | 4303 | | M |
| 361.8385 | 34:43 | 34:43 | 0 | 1.099 | 1644078 | 187733 | 47 | 117 | 3994 | 1.27(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:43 | 34:43 | 0 | 1.099 | 2082954 | 240975 | 56 | 140 | 4303 | | M |
| 361.8385 | 34:43 | 34:43 | 0 | 1.099 | 1644078 | 187733 | 47 | 117 | 3994 | 1.27(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:59 | 34:59 | 0 | 1.108 | 1238447 | 257488 | 56 | 140 | 4598 | | |
| 361.8385 | 34:59 | 34:59 | 0 | 1.108 | 968640 | 203043 | 47 | 117 | 4320 | 1.28(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:17 | 35:17 | 0 | 1.117 | 1133770 | 235283 | 56 | 140 | 4201 | | |
| 361.8385 | 35:17 | 35:17 | 0 | 1.117 | 870596 | 183511 | 47 | 117 | 3904 | 1.30(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:39 | 0 | 1.129 | 3077254 | 639095 | 228 | 570 | 2803 | | |
| 361.8385 | 35:39 | 35:39 | 0 | 1.129 | 2439200 | 507844 | 263 | 657 | 1931 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:39 | 0 | 1.129 | 3077254 | 639095 | 228 | 570 | 2803 | | |
| 361.8385 | 35:39 | 35:39 | 0 | 1.129 | 2439200 | 507844 | 263 | 657 | 1931 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:57 | 35:57 | 0 | 1.138 | 2794733 | 314345 | 228 | 570 | 1379 | | |
| 361.8385 | 35:57 | 35:57 | 0 | 1.138 | 2206622 | 246626 | 263 | 657 | 938 | 1.27(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:57 | 35:57 | 0 | 1.138 | 2794733 | 314345 | 228 | 570 | 1379 | | |
| 361.8385 | 35:57 | 35:57 | 0 | 1.138 | 2206622 | 246626 | 263 | 657 | 938 | 1.27(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:15 | 36:15 | 0 | 1.148 | 3204676 | 599887 | 228 | 570 | 2631 | | |
| 361.8385 | 36:15 | 36:15 | 0 | 1.148 | 2551177 | 479186 | 263 | 657 | 1822 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:15 | 36:15 | 0 | 1.148 | 3204676 | 599887 | 228 | 570 | 2631 | | |
| 361.8385 | 36:15 | 36:15 | 0 | 1.148 | 2551177 | 479186 | 263 | 657 | 1822 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:27 | 36:27 | 0 | 1.154 | 1427254 | 291260 | 228 | 570 | 1277 | | |
| 361.8385 | 36:27 | 36:27 | 0 | 1.154 | 1135745 | 228118 | 263 | 657 | 867 | 1.26(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:36 | 36:36 | 0 | 1.159 | 1469515 | 306099 | 228 | 570 | 1343 | | |
| 361.8385 | 36:36 | 36:36 | 0 | 1.159 | 1156309 | 234973 | 263 | 657 | 893 | 1.27(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:54 | 36:54 | 0 | 1.169 | 1455820 | 300530 | 228 | 570 | 1318 | | |
| 361.8385 | 36:54 | 36:54 | 0 | 1.169 | 1180589 | 238156 | 263 | 657 | 906 | 1.23(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:25 | 37:25 | 0 | 1.185 | 1518080 | 307755 | 228 | 570 | 1350 | | |
| 361.8385 | 37:25 | 37:25 | 0 | 1.185 | 1213158 | 246216 | 263 | 657 | 936 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:49 | 37:49 | 0 | 0.881 | 1895521 | 384965 | 228 | 570 | 1688 | | |
| 361.8385 | 37:48 | 37:49 | -1 | 0.881 | 1509939 | 309929 | 263 | 657 | 1178 | 1.26(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:03 | 38:03 | 0 | 0.887 | 1688214 | 334692 | 228 | 570 | 1468 | | |
| 361.8385 | 38:04 | 38:03 | 1 | 0.887 | 1365752 | 277039 | 263 | 657 | 1053 | 1.24(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:12 | 38:12 | 0 | 0.890 | 2095630 | 427059 | 228 | 570 | 1873 | | |
| 361.8385 | 38:12 | 38:12 | 0 | 0.890 | 1673751 | 346262 | 263 | 657 | 1317 | 1.25(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:42 | 38:42 | 0 | 0.902 | 4015592 | 603197 | 228 | 570 | 2646 | | |
| 361.8385 | 38:42 | 38:42 | 0 | 0.902 | 3208111 | 472966 | 263 | 657 | 1798 | 1.25(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:42 | 38:42 | 0 | 0.902 | 4015592 | 603197 | 228 | 570 | 2646 | | |
| 361.8385 | 38:42 | 38:42 | 0 | 0.902 | 3208111 | 472966 | 263 | 657 | 1798 | 1.25(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:52 | 38:52 | 0 | 0.906 | 1634626 | 320496 | 228 | 570 | 1406 | | |
| 361.8385 | 38:52 | 38:52 | 0 | 0.906 | 1300025 | 254435 | 263 | 657 | 967 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:17 | 39:17 | 0 | 0.916 | 1406068 | 280676 | 228 | 570 | 1231 | | |
| 361.8385 | 39:16 | 39:17 | -1 | 0.915 | 1130222 | 227036 | 263 | 657 | 863 | 1.24(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:29 | 39:29 | 0 | 0.920 | 1756356 | 351225 | 228 | 570 | 1540 | | |
| 361.8385 | 39:29 | 39:29 | 0 | 0.920 | 1409877 | 283442 | 263 | 657 | 1078 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:37 | 39:37 | 0 | 0.923 | 2064286 | 419896 | 228 | 570 | 1842 | | |
| 361.8385 | 39:36 | 39:37 | -1 | 0.923 | 1627449 | 335555 | 263 | 657 | 1276 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 7195341 | 804708 | 228 | 570 | 3529 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5673878 | 632810 | 263 | 657 | 2406 | 1.27(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 7195341 | 804708 | 228 | 570 | 3529 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5673878 | 632810 | 263 | 657 | 2406 | 1.27(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 7195341 | 804708 | 228 | 570 | 3529 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5673878 | 632810 | 263 | 657 | 2406 | 1.27(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:56 | 39:56 | 0 | 0.931 | 7195341 | 804708 | 228 | 570 | 3529 | | M |
| 361.8385 | 39:56 | 39:56 | 0 | 0.931 | 5673878 | 632810 | 263 | 657 | 2406 | 1.27(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:19 | 40:19 | 0 | 0.940 | 2296080 | 437067 | 228 | 570 | 1917 | | |
| 361.8385 | 40:19 | 40:19 | 0 | 0.940 | 1839972 | 353580 | 263 | 657 | 1344 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:09 | 41:09 | 0 | 0.959 | 3672506 | 631437 | 228 | 570 | 2769 | | |
| 361.8385 | 41:09 | 41:09 | 0 | 0.959 | 2926305 | 498800 | 263 | 657 | 1897 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:09 | 41:09 | 0 | 0.959 | 3672506 | 631437 | 228 | 570 | 2769 | | |
| 361.8385 | 41:09 | 41:09 | 0 | 0.959 | 2926305 | 498800 | 263 | 657 | 1897 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:09 | 42:09 | 0 | 0.983 | 2220126 | 437322 | 228 | 570 | 1918 | | |
| 361.8385 | 42:09 | 42:09 | 0 | 0.983 | 1745425 | 346217 | 263 | 657 | 1316 | 1.27(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:27 | 42:27 | 0 | 0.989 | 2295084 | 436955 | 228 | 570 | 1916 | | |
| 361.8385 | 42:27 | 42:27 | 0 | 0.989 | 1853636 | 352131 | 263 | 657 | 1339 | 1.24(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:56 | 42:56 | 0 | 1.001 | 2364571 | 462523 | 228 | 570 | 2029 | | |
| 361.8385 | 42:56 | 42:56 | 0 | 1.001 | 1862472 | 363973 | 263 | 657 | 1384 | 1.27(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:04 | 44:04 | 0 | 1.000 | 4462989 | 619814 | 228 | 570 | 2718 | | |
| 361.8385 | 44:04 | 44:04 | 0 | 1.000 | 3570341 | 497617 | 263 | 657 | 1892 | 1.25(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:04 | 44:04 | 0 | 1.000 | 4462989 | 619814 | 228 | 570 | 2718 | | |
| 361.8385 | 44:04 | 44:04 | 0 | 1.000 | 3570341 | 497617 | 263 | 657 | 1892 | 1.25(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:19 | 47:19 | 0 | 1.001 | 2180137 | 418313 | 228 | 570 | 1835 | | |
| 361.8385 | 47:19 | 47:19 | 0 | 1.001 | 1753676 | 330135 | 263 | 657 | 1255 | 1.24(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:18 | 37:18 | 0 | 0.821 | 3000728 | 601318 | 278 | 695 | 2163 | | |
| 407.8398 | 37:18 | 37:18 | 0 | 0.821 | 2796004 | 565069 | 570 | 1425 | 991 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:21 | 40:21 | 0 | 0.888 | 1169586 | 238961 | 278 | 695 | 860 | | |
| 407.8398 | 40:21 | 40:21 | 0 | 0.888 | 1078520 | 224100 | 570 | 1425 | 393 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:27 | 45:27 | 0 | | 2378106 | 471785 | 278 | 695 | 1697 | | |
| 407.8398 | 45:27 | 45:27 | 0 | | 2243381 | 448227 | 570 | 1425 | 786 | 1.06(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:42 | 46:42 | 0 | 1.028 | 1877777 | 372075 | 278 | 695 | 1338 | | |
| 407.8398 | 46:42 | 46:42 | 0 | 1.028 | 1822180 | 357314 | 570 | 1425 | 627 | 1.03(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:49 | 49:49 | 0 | 1.096 | 3921107 | 782396 | 1814 | 4535 | 431 | | |
| 407.8398 | 49:49 | 49:49 | 0 | 1.096 | 3670732 | 729772 | 2499 | 6247 | 292 | 1.07(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:20 | 37:20 | 0 | 1.001 | 1734293 | 360757 | 86 | 215 | 4195 | | |
| 395.7995 | 37:19 | 37:20 | -1 | 1.000 | 1645357 | 331047 | 62 | 155 | 5339 | 1.05(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:40 | 37:40 | 0 | 1.009 | 1623009 | 331041 | 86 | 215 | 3849 | | |
| 395.7995 | 37:40 | 37:40 | 0 | 1.009 | 1558630 | 326351 | 62 | 155 | 5264 | 1.04(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:12 | 38:12 | 0 | 1.024 | 1581297 | 322472 | 86 | 215 | 3750 | | |
| 395.7995 | 38:12 | 38:12 | 0 | 1.024 | 1500443 | 301822 | 62 | 155 | 4868 | 1.05(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:32 | 38:32 | 0 | 1.033 | 1795987 | 362831 | 86 | 215 | 4219 | | |
| 395.7995 | 38:32 | 38:32 | 0 | 1.033 | 1695454 | 340775 | 62 | 155 | 5496 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:00 | 39:00 | 0 | 1.045 | 1670589 | 338538 | 86 | 215 | 3936 | | |
| 395.7995 | 39:00 | 39:00 | 0 | 1.045 | 1594829 | 320933 | 62 | 155 | 5176 | 1.05(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:23 | 40:23 | 0 | 1.082 | 1202646 | 241973 | 86 | 215 | 2814 | | |
| 395.7995 | 40:23 | 40:23 | 0 | 1.082 | 1140977 | 233146 | 62 | 155 | 3760 | 1.05(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:00 | 41:00 | 0 | 1.099 | 1269187 | 255158 | 86 | 215 | 2967 | | |
| 395.7995 | 41:00 | 41:00 | 0 | 1.099 | 1190376 | 239996 | 62 | 155 | 3871 | 1.07(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:17 | 41:17 | 0 | 1.107 | 1320063 | 265903 | 86 | 215 | 3092 | | |
| 395.7995 | 41:17 | 41:17 | 0 | 1.107 | 1260259 | 253945 | 62 | 155 | 4096 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:29 | 41:29 | 0 | 1.112 | 1365363 | 271980 | 86 | 215 | 3163 | | |
| 395.7995 | 41:29 | 41:29 | 0 | 1.112 | 1300494 | 251931 | 62 | 155 | 4063 | 1.05(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:54 | 41:54 | 0 | 1.123 | 2715077 | 286904 | 86 | 215 | 3336 | | M |
| 395.7995 | 41:54 | 41:54 | 0 | 1.123 | 2542141 | 266448 | 62 | 155 | 4298 | 1.07(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:54 | 41:54 | 0 | 1.123 | 2715077 | 286904 | 86 | 215 | 3336 | | M |
| 395.7995 | 41:54 | 41:54 | 0 | 1.123 | 2542141 | 266448 | 62 | 155 | 4298 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:08 | 42:08 | 0 | 1.129 | 1158766 | 233102 | 86 | 215 | 2710 | | |
| 395.7995 | 42:08 | 42:08 | 0 | 1.129 | 1137262 | 223774 | 62 | 155 | 3609 | 1.02(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:34 | 42:34 | 0 | 1.141 | 1167681 | 225003 | 86 | 215 | 2616 | | |
| 395.7995 | 42:34 | 42:34 | 0 | 1.141 | 1112187 | 212958 | 62 | 155 | 3435 | 1.05(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:58 | 42:58 | 0 | 1.152 | 1334665 | 266824 | 86 | 215 | 3103 | | |
| 395.7995 | 42:58 | 42:58 | 0 | 1.152 | 1272115 | 253780 | 62 | 155 | 4093 | 1.05(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:11 | 0 | 1.158 | 2310584 | 388591 | 86 | 215 | 4519 | | |
| 395.7995 | 43:11 | 43:11 | -1 | 1.157 | 2210493 | 373101 | 62 | 155 | 6018 | 1.05(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:11 | 43:11 | 0 | 1.158 | 2310584 | 388591 | 86 | 215 | 4519 | | |
| 395.7995 | 43:11 | 43:11 | -1 | 1.157 | 2210493 | 373101 | 62 | 155 | 6018 | 1.05(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:50 | 44:50 | 0 | 0.900 | 1203709 | 237008 | 86 | 215 | 2756 | | |
| 395.7995 | 44:50 | 44:50 | 0 | 0.900 | 1143205 | 224719 | 62 | 155 | 3625 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:06 | 45:06 | 0 | 0.905 | 1611311 | 315821 | 86 | 215 | 3672 | | |
| 395.7995 | 45:06 | 45:06 | 0 | 0.905 | 1536200 | 306031 | 62 | 155 | 4936 | 1.05(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:26 | 45:26 | 0 | 0.912 | 2997120 | 399857 | 86 | 215 | 4650 | | |
| 395.7995 | 45:26 | 45:26 | 0 | 0.912 | 2824744 | 383807 | 62 | 155 | 6190 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:26 | 45:26 | 0 | 0.912 | 2997120 | 399857 | 86 | 215 | 4650 | | |
| 395.7995 | 45:26 | 45:26 | 0 | 0.912 | 2824744 | 383807 | 62 | 155 | 6190 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:50 | 45:50 | 0 | 0.920 | 1671891 | 322758 | 86 | 215 | 3753 | | |
| 395.7995 | 45:49 | 45:50 | -1 | 0.920 | 1594886 | 309825 | 62 | 155 | 4997 | 1.05(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:43 | 46:43 | 0 | 0.938 | 1185468 | 227132 | 86 | 215 | 2641 | | |
| 395.7995 | 46:43 | 46:43 | 0 | 0.938 | 1144727 | 216729 | 62 | 155 | 3496 | 1.04(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:15 | 47:15 | 0 | 0.948 | 1670730 | 319065 | 86 | 215 | 3710 | | |
| 395.7995 | 47:15 | 47:15 | 0 | 0.948 | 1589724 | 307948 | 62 | 155 | 4967 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:51 | 49:51 | 0 | 1.001 | 2552255 | 495255 | 373 | 932 | 1328 | | |
| 395.7995 | 49:51 | 49:51 | 0 | 1.001 | 2382546 | 464751 | 349 | 872 | 1332 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:41 | 42:41 | 0 | 0.822 | 2313966 | 449208 | 256 | 640 | 1755 | | |
| 441.8008 | 42:40 | 42:41 | -1 | 0.822 | 2559204 | 509427 | 493 | 1232 | 1033 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:56 | 51:56 | 0 | | 2332287 | 463358 | 913 | 2282 | 508 | | |
| 441.8008 | 51:56 | 51:56 | 0 | | 2520375 | 488952 | 1208 | 3020 | 405 | 0.93(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:24 | 52:24 | 0 | 1.009 | 2881106 | 548186 | 913 | 2282 | 600 | | |
| 441.8008 | 52:24 | 52:24 | 0 | 1.009 | 3238142 | 607490 | 1208 | 3020 | 503 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:42 | 42:42 | 0 | 1.000 | 1130230 | 222471 | 103 | 257 | 2160 | | |
| 429.7606 | 42:42 | 42:42 | 0 | 1.000 | 1248800 | 247700 | 80 | 200 | 3096 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:37 | 43:37 | 0 | 1.022 | 1282420 | 262199 | 103 | 257 | 2546 | | |
| 429.7606 | 43:37 | 43:37 | 0 | 1.022 | 1414593 | 283861 | 80 | 200 | 3548 | 0.91(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:18 | 44:18 | 0 | 1.038 | 1217181 | 241396 | 103 | 257 | 2344 | | |
| 429.7606 | 44:18 | 44:18 | 0 | 1.038 | 1316137 | 261867 | 80 | 200 | 3273 | 0.92(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:32 | 44:32 | 0 | 1.043 | 1283582 | 254956 | 103 | 257 | 2475 | | |
| 429.7606 | 44:32 | 44:32 | 0 | 1.043 | 1457525 | 285146 | 80 | 200 | 3564 | 0.88(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:38 | 44:38 | 0 | 1.046 | 1237414 | 244325 | 103 | 257 | 2372 | | |
| 429.7606 | 44:38 | 44:38 | 0 | 1.046 | 1354928 | 265493 | 80 | 200 | 3319 | 0.91(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:25 | 47:25 | 0 | 1.111 | 1765207 | 234639 | 103 | 257 | 2278 | | |
| 429.7606 | 47:25 | 47:25 | 0 | 1.111 | 1974314 | 266024 | 80 | 200 | 3325 | 0.89(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:25 | 47:25 | 0 | 1.111 | 1765207 | 234639 | 103 | 257 | 2278 | | |
| 429.7606 | 47:25 | 47:25 | 0 | 1.111 | 1974314 | 266024 | 80 | 200 | 3325 | 0.89(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:06 | 48:06 | 0 | 0.918 | 932391 | 187148 | 103 | 257 | 1817 | | |
| 429.7606 | 48:06 | 48:06 | 0 | 0.918 | 1017873 | 202944 | 80 | 200 | 2537 | 0.92(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:17 | 48:17 | 0 | 0.921 | 978529 | 189228 | 103 | 257 | 1837 | | |
| 429.7606 | 48:17 | 48:17 | 0 | 0.921 | 1047643 | 202901 | 80 | 200 | 2536 | 0.93(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:36 | 49:36 | 0 | 0.947 | 1125138 | 216755 | 338 | 845 | 641 | | |
| 429.7606 | 49:36 | 49:36 | 0 | 0.947 | 1230506 | 234868 | 422 | 1055 | 557 | 0.91(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:58 | 51:58 | 0 | 0.991 | 1323278 | 260740 | 338 | 845 | 771 | | |
| 429.7606 | 51:58 | 51:58 | 0 | 0.991 | 1428343 | 277550 | 422 | 1055 | 658 | 0.93(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:26 | 52:26 | 0 | 1.000 | 1718557 | 326690 | 338 | 845 | 967 | | |
| 429.7606 | 52:26 | 52:26 | 0 | 1.000 | 1860047 | 356794 | 422 | 1055 | 845 | 0.92(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:22 | 49:22 | 0 | 0.950 | 2380517 | 469184 | 1542 | 3855 | 304 | | |
| 475.7619 | 49:22 | 49:22 | 0 | 0.950 | 3053530 | 606229 | 2098 | 5245 | 289 | 0.78(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:10 | 54:10 | 0 | 1.043 | 1745419 | 329779 | 1542 | 3855 | 214 | | |
| 475.7619 | 54:10 | 54:10 | 0 | 1.043 | 2168328 | 406906 | 2098 | 5245 | 194 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:23 | 49:23 | 0 | 1.000 | 1298686 | 249564 | 763 | 1907 | 327 | | |
| 463.7216 | 49:23 | 49:23 | 0 | 1.000 | 1642755 | 314962 | 627 | 1567 | 502 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:19 | 50:19 | 0 | 1.019 | 1411341 | 274148 | 763 | 1907 | 359 | | |
| 463.7216 | 50:19 | 50:19 | 0 | 1.019 | 1795473 | 343125 | 627 | 1567 | 547 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:11 | 54:11 | 0 | 1.000 | 959904 | 186222 | 763 | 1907 | 244 | | |
| 463.7216 | 54:11 | 54:11 | 0 | 1.000 | 1222819 | 240420 | 627 | 1567 | 383 | 0.78(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:48 | 55:48 | 0 | 1.075 | 1716830 | 310909 | 247 | 617 | 1259 | | |
| 509.7229 | 55:48 | 55:48 | 0 | 1.075 | 2461298 | 459751 | 227 | 567 | 2025 | 0.70(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:50 | 55:50 | 0 | 1.000 | 986373 | 177382 | 125 | 312 | 1419 | | |
| 497.6826 | 55:50 | 55:50 | 0 | 1.000 | 1395395 | 249083 | 86 | 215 | 2896 | 0.71(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00007 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
CCV Relative RT Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 10-Oct-2019 00:50:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013345-001
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 10-Oct-2019 02:23:07 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 10-Oct-2019 02:11:22

Start Cal Date: 21-Aug-2019 13:37:00
End Cal Date: 21-Aug-2019 19:05:00

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-1L | | 11:46 | 11:46 | 1 | 15 | 0.7275 | 0.7288 | 0.717 - 0.7472 |
| PCB-3L | | 13:57 | 13:56 | -1 | 15 | 0.8625 | 0.8624 | 0.849 - 0.8798 |
| PCB-1 | L | 11:47 | 11:47 | 1 | | 1.0011 | 1.0011 | 0.995 - 1.0085 |
| PCB-2 | | 13:47 | 13:46 | 0 | | 0.9878 | 0.9887 | 0.985 - 0.9925 |
| PCB-3 | L | 13:58 | 13:57 | -1 | | 1.0009 | 1.0009 | 0.998 - 1.0048 |
| PCB-4L | | 14:12 | 14:12 | 0 | 15 | 0.8779 | 0.8786 | 0.865 - 0.8956 |
| PCB-9L | | 16:11 | 16:09 | -1 | | 1.0000 | 1.0000 | 0.987 - 1.0128 |
| PCB-8L | | 17:00 | 16:59 | -1 | | 1.1969 | 1.1972 | 1.192 - 1.1989 |
| PCB-15L | | 20:06 | 20:04 | -1 | 15 | 1.2426 | 1.2429 | 1.233 - 1.2530 |
| PCB-4 | L | 14:13 | 14:12 | 0 | | 1.0009 | 1.0009 | 0.994 - 1.0058 |
| PCB-10 | | 14:23 | 14:23 | 0 | | 1.0129 | 1.0129 | 1.010 - 1.0168 |
| PCB-9 | | 16:11 | 16:11 | 0 | | 1.1400 | 1.1400 | 1.135 - 1.1415 |
| PCB-7 | | 16:22 | 16:20 | -1 | | 1.1520 | 1.1511 | 1.147 - 1.1538 |
| PCB-6 | | 16:36 | 16:35 | 0 | | 1.1686 | 1.1686 | 1.164 - 1.1706 |
| PCB-5 | | 16:55 | 16:53 | -1 | | 1.1907 | 1.1898 | 1.186 - 1.1926 |
| PCB-8 | | 17:02 | 17:01 | 0 | | 1.1990 | 1.1990 | 1.194 - 1.2008 |
| PCB-14 | | 18:40 | 18:38 | -1 | | 0.9284 | 0.9283 | 0.926 - 0.9305 |
| PCB-11 | | 19:30 | 19:28 | -1 | | 0.9700 | 0.9700 | 0.968 - 0.9725 |
| PCB-12/13 | | 19:50 | 19:47 | -2 | | 0.9863 | 0.9857 | 0.983 - 0.9875 |
| PCB-15 | L | 20:07 | 20:05 | -1 | | 1.0007 | 1.0007 | 0.997 - 1.0050 |
| PCB-19L | | 17:19 | 17:17 | -1 | 15 | 0.8416 | 0.8415 | 0.831 - 0.8547 |
| PCB-32L | | 20:34 | 20:33 | -1 | | 1.0000 | 1.0000 | 0.998 - 1.0024 |
| PCB-31L | | 22:50 | 22:49 | -1 | | 1.0000 | 1.0000 | 0.998 - 1.0022 |
| PCB-28L | | 23:08 | 23:06 | -2 | | 1.0134 | 1.0128 | 1.006 - 1.0201 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-37L | | 27:09 | 27:07 | -2 | 15 | 1.1889 | 1.1887 | 1.178 - 1.1995 |
| PCB-19 | L | 17:20 | 17:19 | 0 | | 1.0008 | 1.0015 | 0.996 - 1.0058 |
| PCB-18/30 | | 19:11 | 19:09 | -1 | | 1.1081 | 1.1081 | 1.104 - 1.1093 |
| PCB-17 | | 19:37 | 19:35 | -1 | | 1.1330 | 1.1331 | 1.129 - 1.1352 |
| PCB-27 | | 19:50 | 19:49 | -1 | | 1.1458 | 1.1460 | 1.141 - 1.1471 |
| PCB-24 | | 19:58 | 19:57 | -1 | | 1.1534 | 1.1535 | 1.148 - 1.1542 |
| PCB-16 | | 20:04 | 20:03 | -1 | | 1.1594 | 1.1596 | 1.156 - 1.1621 |
| PCB-32 | | 20:36 | 20:34 | -1 | | 1.1897 | 1.1898 | 1.185 - 1.1908 |
| PCB-34 | | 21:52 | 21:50 | -1 | | 1.2627 | *1.2627 | 1.257 - 1.2623 |
| PCB-23 | | 22:01 | 21:59 | -1 | | 1.2715 | *1.2716 | 1.266 - 1.2715 |
| PCB-26/29 | | 22:20 | 22:18 | -1 | | 1.2899 | 1.2900 | 1.282 - 1.2915 |
| PCB-25 | | 22:34 | 22:31 | -2 | | 0.8308 | 0.8305 | 0.829 - 0.8325 |
| PCB-31 | | 22:52 | 22:50 | -1 | | 0.8421 | 0.8422 | 0.840 - 0.8438 |
| PCB-20/28 | | 23:11 | 23:08 | -2 | | 0.8538 | 0.8535 | 0.851 - 0.8568 |
| PCB-21/33 | | 23:24 | 23:22 | -1 | | 0.8617 | 0.8619 | 0.858 - 0.8637 |
| PCB-22 | | 23:48 | 23:46 | -1 | | 0.8763 | 0.8765 | 0.875 - 0.8786 |
| PCB-36 | | 25:22 | 25:19 | -2 | | 0.9339 | 0.9338 | 0.932 - 0.9352 |
| PCB-39 | | 25:43 | 25:40 | -2 | | 0.9470 | 0.9469 | 0.945 - 0.9483 |
| PCB-38 | | 26:18 | 26:15 | -2 | | 0.9686 | 0.9685 | 0.966 - 0.9695 |
| PCB-35 | | 26:46 | 26:44 | -1 | | 0.9855 | 0.9859 | 0.984 - 0.9875 |
| PCB-37 | L | 27:10 | 27:07 | -2 | | 1.0005 | 1.0005 | 0.999 - 1.0024 |
| PCB-54L | | 20:24 | 20:22 | -1 | 15 | 0.8167 | 0.8170 | 0.811 - 0.8247 |
| PCB-52L | | 24:59 | 24:56 | -2 | | 1.0000 | 1.0000 | 0.992 - 1.0083 |
| PCB-79L | | 32:54 | 32:52 | -2 | | 0.9704 | 0.9707 | 0.969 - 0.9718 |
| PCB-81L | | 33:55 | 33:51 | -3 | 15 | 1.3581 | 1.3580 | 1.351 - 1.3641 |
| PCB-77L | | 34:29 | 34:26 | -3 | 15 | 1.3806 | 1.3810 | 1.373 - 1.3867 |
| PCB-54 | L | 20:26 | 20:24 | -1 | | 1.0000 | 1.0000 | 0.996 - 1.0041 |
| PCB-50/53 | | 22:37 | 22:35 | -1 | | 1.1084 | 1.1083 | 1.102 - 1.1106 |
| PCB-45/51 | | 23:20 | 23:18 | -1 | | 1.1440 | 1.1440 | 1.137 - 1.1453 |
| PCB-46 | | 23:34 | 23:33 | -1 | | 1.1552 | 1.1558 | 1.153 - 1.1576 |
| PCB-52 | | 25:00 | 24:58 | -2 | | 1.2257 | 1.2252 | 1.222 - 1.2263 |
| PCB-43/73 | | 25:09 | 25:07 | -1 | | 1.2326 | 1.2327 | 1.230 - 1.2346 |
| PCB-49/69 | | 25:28 | 25:25 | -2 | | 1.2482 | 1.2477 | 1.242 - 1.2499 |
| PCB-48 | | 25:47 | 25:44 | -2 | | 1.2638 | 1.2633 | 1.259 - 1.2636 |
| PCB-44/47/65 | | 26:01 | 25:59 | -2 | | 1.2756 | 1.2752 | 1.269 - 1.2770 |
| PCB-59/62/75 | | 26:19 | 26:16 | -2 | | 1.2900 | 1.2896 | 1.284 - 1.2919 |
| PCB-42 | | 26:32 | 26:29 | -2 | | 1.3006 | 1.3002 | 1.296 - 1.3007 |
| PCB-40/41/71 | | 27:02 | 26:59 | -2 | | 1.3249 | 1.3246 | 1.317 - 1.3250 |
| PCB-64 | | 27:15 | 27:12 | -2 | | 1.3355 | 1.3352 | 1.331 - 1.3355 |
| PCB-72 | | 28:05 | 28:02 | -2 | | 0.8278 | 0.8281 | 0.826 - 0.8291 |
| PCB-68 | | 28:22 | 28:19 | -3 | | 0.8365 | 0.8364 | 0.835 - 0.8375 |
| PCB-57 | | 28:48 | 28:44 | -3 | | 0.8488 | 0.8488 | 0.847 - 0.8500 |
| PCB-58 | | 29:01 | 28:59 | -2 | | 0.8556 | 0.8560 | 0.854 - 0.8574 |
| PCB-67 | | 29:12 | 29:09 | -3 | | 0.8609 | 0.8609 | 0.859 - 0.8620 |
| PCB-63 | | 29:28 | 29:25 | -3 | | 0.8687 | 0.8688 | 0.866 - 0.8694 |
| PCB-61/70/74/76 | | 29:48 | 29:45 | -3 | | 0.8785 | 0.8785 | 0.875 - 0.8810 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-66 | | 30:07 | 30:05 | -2 | | 0.8879 | 0.8883 | 0.886 - 0.8894 |
| PCB-55 | | 30:17 | 30:14 | -3 | | 0.8927 | 0.8928 | 0.891 - 0.8943 |
| PCB-56 | | 30:47 | 30:44 | -3 | | 0.9077 | 0.9079 | 0.907 - 0.9098 |
| PCB-60 | | 31:00 | 30:57 | -3 | | 0.9141 | 0.9143 | 0.913 - 0.9158 |
| PCB-80 | | 31:26 | 31:22 | -3 | | 0.9265 | 0.9263 | 0.924 - 0.9268 |
| PCB-79 | | 32:57 | 32:53 | -3 | | 0.9715 | 0.9714 | 0.970 - 0.9726 |
| PCB-78 | | 33:30 | 33:27 | -3 | | 0.9876 | 0.9880 | 0.986 - 0.9890 |
| PCB-81 | T | 33:57 | 33:53 | -3 | | 1.0007 | 1.0008 | 0.999 - 1.0020 |
| PCB-77 | T/L | 34:30 | 34:27 | -3 | | 1.0007 | 1.0004 | 0.999 - 1.0019 |
| PCB-104L | | 25:56 | 25:53 | -2 | 15 | 0.8139 | 0.8142 | 0.810 - 0.8199 |
| PCB-95L | | 28:53 | 28:51 | -1 | | 1.1143 | 1.1146 | 1.112 - 1.1179 |
| PCB-101L | | 31:52 | 31:48 | -3 | | 1.0000 | 1.0000 | 0.994 - 1.0065 |
| PCB-111L | | 34:32 | 34:29 | -3 | | 1.0847 | 1.0845 | 1.079 - 1.0891 |
| PCB-123L | | 36:30 | 36:27 | -3 | 15 | 1.1459 | 1.1462 | 1.141 - 1.1511 |
| PCB-118L | | 36:50 | 36:46 | -3 | 15 | 1.1562 | 1.1565 | 1.151 - 1.1614 |
| PCB-114L | | 37:21 | 37:18 | -3 | 15 | 1.1726 | 1.1730 | 1.168 - 1.1780 |
| PCB-105L | | 38:00 | 37:56 | -3 | 15 | 1.1927 | 1.1931 | 1.188 - 1.1989 |
| PCB-127L | | 39:29 | 39:25 | -3 | | 1.0000 | 1.0000 | 0.995 - 1.0053 |
| PCB-126L | | 41:06 | 41:02 | -3 | 15 | 1.2900 | 1.2906 | 1.285 - 1.2956 |
| PCB-104 | L | 25:57 | 25:55 | -2 | | 1.0010 | 1.0010 | 0.998 - 1.0039 |
| PCB-96 | | 26:19 | 26:17 | -1 | | 1.0147 | 1.0153 | 1.013 - 1.0195 |
| PCB-103 | | 28:16 | 28:13 | -3 | | 1.0903 | 1.0900 | 1.087 - 1.0912 |
| PCB-94 | | 28:29 | 28:26 | -3 | | 1.0986 | 1.0984 | 1.097 - 1.1003 |
| PCB-95 | | 28:55 | 28:53 | -2 | | 1.1153 | 1.1156 | 1.113 - 1.1193 |
| PCB-93/100 | | 29:09 | 29:06 | -3 | | 1.1242 | 1.1240 | 1.120 - 1.1267 |
| PCB-98/102 | | 29:18 | 29:15 | -3 | | 1.1300 | 1.1299 | 1.127 - 1.1336 |
| PCB-88/91 | | 29:48 | 29:45 | -3 | | 1.1492 | 1.1490 | 1.143 - 1.1505 |
| PCB-84 | | 30:00 | 29:58 | -2 | | 1.1570 | 1.1574 | 1.157 - 1.1603 |
| PCB-89 | | 30:29 | 30:27 | -2 | | 1.1757 | 1.1761 | 1.175 - 1.1786 |
| PCB-121 | | 30:55 | 30:52 | -3 | | 1.1924 | *1.1923 | 1.188 - 1.1922 |
| PCB-92 | | 31:17 | 31:14 | -3 | | 0.8570 | 0.8571 | 0.856 - 0.8589 |
| PCB-90/101/113 | | 31:52 | 31:49 | -3 | | 1.2292 | 1.2287 | 1.224 - 1.2307 |
| PCB-83/99 | | 32:27 | 32:24 | -3 | | 1.2517 | 1.2518 | 1.245 - 1.2525 |
| PCB-112 | | 32:34 | 32:31 | -3 | | 1.2561 | 1.2563 | 1.254 - 1.2574 |
| PCB-86/87/97/109/119/125 | | 32:57 | 32:53 | -3 | | 1.2709 | 1.2705 | 1.265 - 1.2756 |
| PCB-85/116/117 | | 33:41 | 33:37 | -3 | | 1.2988 | 1.2986 | 1.293 - 1.3007 |
| PCB-110/115 | | 33:56 | 33:51 | -4 | | 1.3086 | 1.3079 | 1.303 - 1.3092 |
| PCB-82 | | 34:10 | 34:07 | -3 | | 1.3175 | 1.3177 | 1.316 - 1.3194 |
| PCB-111 | | 34:34 | 34:30 | -3 | | 1.3332 | 1.3330 | 1.329 - 1.3330 |
| PCB-120 | | 35:02 | 34:58 | -3 | | 1.3508 | 1.3507 | 1.348 - 1.3514 |
| PCB-108/124 | | 36:10 | 36:06 | -3 | | 1.3948 | 1.3947 | 1.390 - 1.3967 |
| PCB-107 | | 36:25 | 36:21 | -3 | | 1.4044 | 1.4043 | 1.401 - 1.4049 |
| PCB-123 | T | 36:32 | 36:27 | -4 | | 1.0007 | 1.0004 | 1.000 - 1.0023 |
| PCB-106 | | 36:38 | 36:34 | -3 | | 1.0036 | 1.0036 | 1.003 - 1.0057 |
| PCB-118 | T | 36:51 | 36:48 | -3 | | 1.0004 | 1.0007 | 0.999 - 1.0019 |
| PCB-122 | | 37:12 | 37:08 | -3 | | 1.0099 | 1.0100 | 1.009 - 1.0117 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-114 | T | 37:23 | 37:19 | -3 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-105 | T | 38:01 | 37:58 | -3 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-127 | | 39:31 | 39:26 | -4 | | 1.0399 | 1.0397 | 1.037 - 1.0399 |
| PCB-126 | T/L | 41:07 | 41:03 | -3 | | 1.0003 | 1.0003 | 1.000 - 1.0016 |
| PCB-155L | | 31:39 | 31:35 | -3 | 15 | 0.7919 | 0.7915 | 0.787 - 0.7951 |
| PCB-153L | | 38:42 | 38:39 | -3 | | 0.9008 | 0.9009 | 0.899 - 0.9028 |
| PCB-138L | | 39:58 | 39:54 | -3 | | 1.0000 | 1.0000 | 0.979 - 1.0208 |
| PCB-167L | | 42:59 | 42:54 | -4 | 15 | 1.0756 | 1.0754 | 1.071 - 1.0792 |
| PCB-156L/157L | | 44:08 | 44:03 | -4 | 15 | 1.1043 | 1.1043 | 1.100 - 1.1084 |
| PCB-169L | | 47:21 | 47:17 | -4 | 15 | 1.1851 | 1.1852 | 1.184 - 1.1864 |
| PCB-155 | L | 31:39 | 31:36 | -3 | | 1.0004 | 1.0004 | 0.998 - 1.0031 |
| PCB-152 | | 31:51 | 31:47 | -3 | | 1.0064 | 1.0065 | 1.006 - 1.0096 |
| PCB-150 | | 32:01 | 31:58 | -3 | | 1.0117 | 1.0121 | 1.011 - 1.0144 |
| PCB-136 | | 32:22 | 32:18 | -3 | | 1.0229 | *1.0230 | 1.024 - 1.0268 |
| PCB-145 | | 32:40 | 32:37 | -3 | | 1.0326 | 1.0327 | 1.033 - 1.0358 |
| PCB-148 | | 34:12 | 34:08 | -3 | | 1.0808 | 1.0810 | 1.080 - 1.0830 |
| PCB-135/151 | | 34:46 | 34:43 | -3 | | 1.0989 | 1.0992 | 1.099 - 1.1038 |
| PCB-154 | | 35:03 | 34:59 | -4 | | 1.1078 | 1.1076 | 1.106 - 1.1107 |
| PCB-144 | | 35:21 | 35:17 | -3 | | 1.1170 | 1.1173 | 1.117 - 1.1199 |
| PCB-147/149 | | 35:43 | 35:39 | -3 | | 1.1286 | 1.1288 | 1.127 - 1.1326 |
| PCB-134/143 | | 36:01 | 35:57 | -3 | | 1.1381 | 1.1383 | 1.136 - 1.1409 |
| PCB-139/140 | | 36:19 | 36:15 | -3 | | 1.1476 | 1.1479 | 1.146 - 1.1515 |
| PCB-131 | | 36:30 | 36:27 | -3 | | 1.1538 | 1.1541 | 1.154 - 1.1571 |
| PCB-142 | | 36:40 | 36:36 | -3 | | 1.1587 | 1.1590 | 1.159 - 1.1621 |
| PCB-132 | | 36:58 | 36:54 | -3 | | 1.1682 | 1.1686 | 1.168 - 1.1728 |
| PCB-133 | | 37:29 | 37:25 | -3 | | 1.1843 | 1.1847 | 1.184 - 1.1872 |
| PCB-165 | | 37:53 | 37:49 | -3 | | 0.8814 | 0.8814 | 0.880 - 0.8825 |
| PCB-146 | | 38:08 | 38:03 | -4 | | 0.8872 | 0.8869 | 0.886 - 0.8882 |
| PCB-161 | | 38:16 | 38:12 | -3 | | 0.8902 | 0.8903 | 0.889 - 0.8914 |
| PCB-153/168 | | 38:47 | 38:42 | -4 | | 0.9024 | 0.9021 | 0.900 - 0.9040 |
| PCB-141 | | 38:56 | 38:52 | -4 | | 0.9060 | 0.9058 | 0.905 - 0.9075 |
| PCB-130 | | 39:21 | 39:17 | -3 | | 0.9154 | 0.9156 | 0.915 - 0.9172 |
| PCB-137 | | 39:34 | 39:29 | -4 | | 0.9206 | 0.9204 | 0.920 - 0.9224 |
| PCB-164 | | 39:41 | 39:37 | -3 | | 0.9233 | 0.9235 | 0.923 - 0.9252 |
| PCB-129/138/160/163 | | 40:00 | 39:56 | -3 | | 0.9307 | 0.9308 | 0.930 - 0.9349 |
| PCB-158 | | 40:23 | 40:19 | -3 | | 0.9395 | 0.9396 | 0.939 - 0.9409 |
| PCB-128/166 | | 41:14 | 41:09 | -4 | | 0.9592 | 0.9591 | 0.958 - 0.9617 |
| PCB-159 | | 42:14 | 42:09 | -4 | | 0.9827 | 0.9826 | 0.982 - 0.9839 |
| PCB-162 | | 42:31 | 42:27 | -4 | | 0.9894 | 0.9893 | 0.988 - 0.9907 |
| PCB-167 | T | 43:00 | 42:56 | -4 | | 1.0006 | 1.0006 | 0.999 - 1.0016 |
| PCB-156/157 | T | 44:08 | 44:04 | -4 | | 1.0003 | 1.0003 | 0.999 - 1.0025 |
| PCB-169 | T/L | 47:23 | 47:19 | -4 | | 1.0006 | 1.0006 | 0.999 - 1.0015 |
| PCB-188L | | 37:22 | 37:18 | -3 | 15 | 0.8208 | 0.8207 | 0.817 - 0.8243 |
| PCB-178L | | 40:24 | 40:21 | -2 | | 0.8877 | 0.8878 | 0.884 - 0.8916 |
| PCB-180L | | 45:32 | 45:27 | -4 | | 1.0000 | 1.0000 | 0.996 - 1.0037 |
| PCB-170L | | 46:47 | 46:42 | -4 | 15 | 1.0276 | 1.0276 | 1.024 - 1.0317 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-189L | | 49:54 | 49:49 | -4 | 15 | 1.0962 | 1.0962 | 1.093 - 1.1000 |
| PCB-188 | L | 37:24 | 37:20 | -3 | | 1.0007 | 1.0007 | 1.000 - 1.0022 |
| PCB-179 | | 37:43 | 37:40 | -3 | | 1.0094 | 1.0095 | 1.009 - 1.0115 |
| PCB-184 | | 38:16 | 38:12 | -3 | | 1.0238 | 1.0238 | 1.023 - 1.0254 |
| PCB-176 | | 38:37 | 38:32 | -4 | | 1.0332 | 1.0330 | 1.033 - 1.0351 |
| PCB-186 | | 39:04 | 39:00 | -4 | | 1.0455 | 1.0452 | 1.045 - 1.0476 |
| PCB-178 | | 40:27 | 40:23 | -3 | | 1.0822 | 1.0824 | 1.081 - 1.0837 |
| PCB-175 | | 41:05 | 41:00 | -4 | | 1.0994 | 1.0992 | 1.098 - 1.1008 |
| PCB-187 | | 41:21 | 41:17 | -4 | | 1.1067 | 1.1066 | 1.106 - 1.1082 |
| PCB-182 | | 41:34 | 41:29 | -4 | | 1.1123 | 1.1122 | 1.111 - 1.1137 |
| PCB-183/185 | | 41:58 | 41:54 | -4 | | 1.1231 | *1.1231 | 1.123 - 1.1260 |
| PCB-174 | | 42:12 | 42:08 | -4 | | 1.1294 | 1.1294 | 1.129 - 1.1313 |
| PCB-177 | | 42:38 | 42:34 | -4 | | 1.1410 | 1.1409 | 1.140 - 1.1430 |
| PCB-181 | | 43:02 | 42:58 | -3 | | 1.1515 | 1.1518 | 1.151 - 1.1535 |
| PCB-171/173 | | 43:15 | 43:11 | -3 | | 1.1574 | 1.1578 | 1.156 - 1.1602 |
| PCB-172 | | 44:54 | 44:50 | -4 | | 0.8997 | 0.8997 | 0.899 - 0.9008 |
| PCB-192 | | 45:10 | 45:06 | -4 | | 0.9052 | 0.9052 | 0.904 - 0.9060 |
| PCB-180/193 | | 45:30 | 45:26 | -4 | | 0.9117 | 0.9117 | 0.911 - 0.9130 |
| PCB-191 | | 45:54 | 45:50 | -4 | | 0.9198 | 0.9199 | 0.919 - 0.9209 |
| PCB-170 | | 46:48 | 46:43 | -5 | | 0.9379 | 0.9377 | 0.937 - 0.9392 |
| PCB-190 | | 47:20 | 47:15 | -5 | | 0.9484 | 0.9482 | 0.948 - 0.9496 |
| PCB-189 | T/L | 49:55 | 49:51 | -4 | | 1.0003 | 1.0005 | 0.999 - 1.0013 |
| PCB-202L | | 42:45 | 42:41 | -3 | 15 | 0.8215 | 0.8218 | 0.819 - 0.8249 |
| PCB-194L | | 52:02 | 51:56 | -5 | | 1.0000 | 1.0000 | 0.996 - 1.0040 |
| PCB-205L | | 52:29 | 52:24 | -4 | 15 | 1.0088 | 1.0091 | 1.004 - 1.0138 |
| PCB-202 | L | 42:46 | 42:42 | -4 | | 1.0006 | 1.0003 | 0.999 - 1.0027 |
| PCB-201 | | 43:42 | 43:37 | -4 | | 1.0223 | 1.0221 | 1.020 - 1.0237 |
| PCB-204 | | 44:23 | 44:18 | -4 | | 1.0382 | 1.0380 | 1.036 - 1.0388 |
| PCB-197 | | 44:36 | 44:32 | -4 | | 1.0434 | 1.0432 | 1.042 - 1.0445 |
| PCB-200 | | 44:42 | 44:38 | -4 | | 1.0459 | 1.0457 | 1.045 - 1.0473 |
| PCB-198/199 | | 47:30 | 47:25 | -5 | | 1.1113 | 1.1109 | 1.109 - 1.1132 |
| PCB-196 | | 48:11 | 48:06 | -5 | | 0.9179 | 0.9177 | 0.917 - 0.9189 |
| PCB-203 | | 48:22 | 48:17 | -5 | | 0.9217 | 0.9214 | 0.921 - 0.9226 |
| PCB-195 | | 49:41 | 49:36 | -4 | | 0.9467 | 0.9466 | 0.946 - 0.9481 |
| PCB-194 | | 52:02 | 51:58 | -4 | | 0.9915 | 0.9915 | 0.991 - 0.9926 |
| PCB-205 | L | 52:31 | 52:26 | -4 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-208L | | 49:26 | 49:22 | -4 | 15 | 0.9501 | 0.9505 | 0.947 - 0.9534 |
| PCB-206L | | 54:15 | 54:10 | -5 | 15 | 1.0428 | 1.0429 | 1.038 - 1.0472 |
| PCB-208 | L | 49:28 | 49:23 | -4 | | 1.0005 | 1.0003 | 0.999 - 1.0013 |
| PCB-207 | | 50:24 | 50:19 | -4 | | 1.0196 | 1.0193 | 1.019 - 1.0205 |
| PCB-206 | L | 54:17 | 54:11 | -5 | | 1.0005 | 1.0005 | 1.000 - 1.0015 |
| PCB-209L | | 55:54 | 55:48 | -6 | 15 | 1.0746 | 1.0745 | 1.069 - 1.0784 |
| DCB Decachlorobiphenyl | L | 55:56 | 55:50 | -6 | | 1.0005 | 1.0005 | 0.999 - 1.0012 |

Report Date: 10-Oct-2019 02:23:12 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
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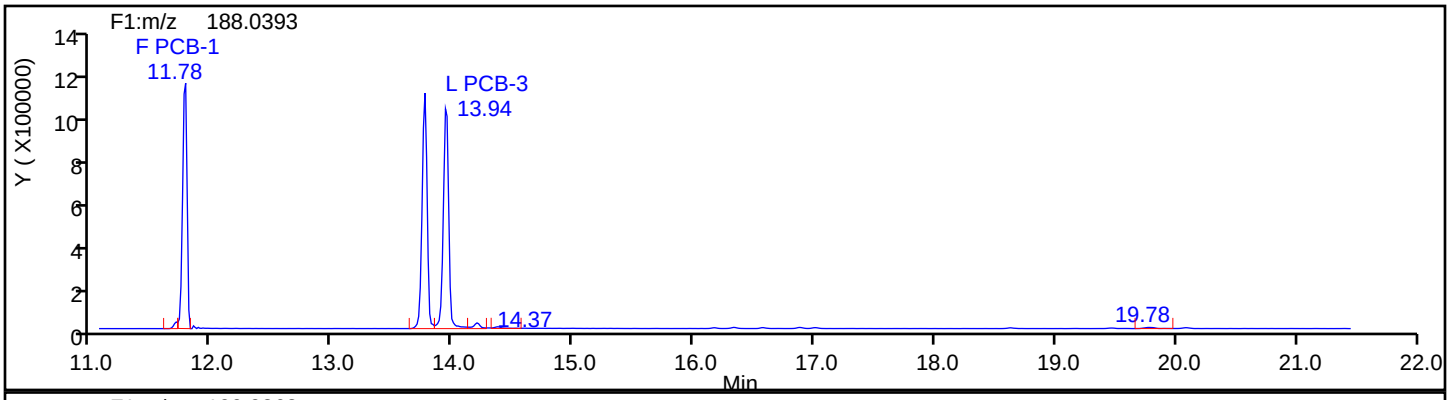
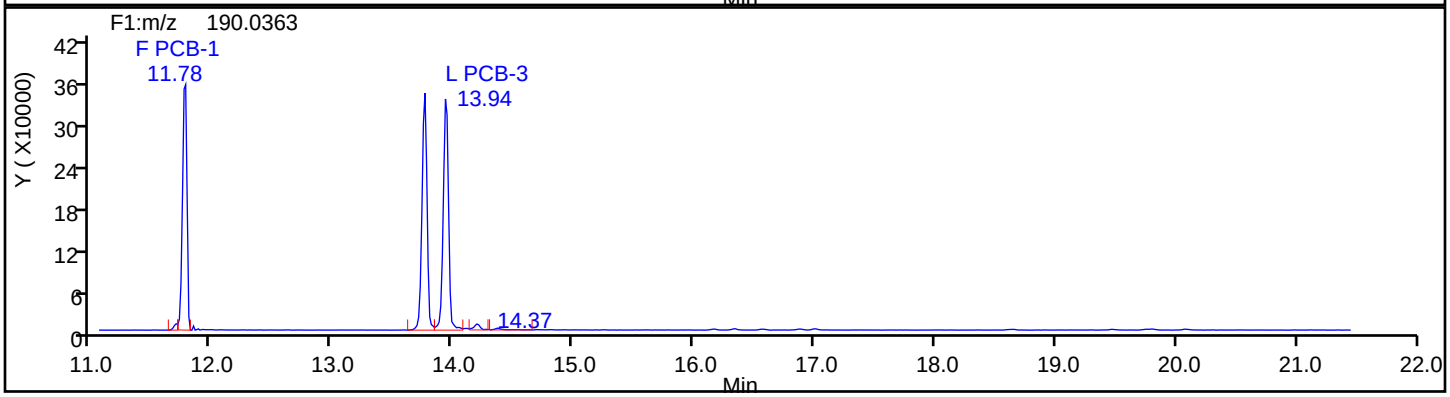
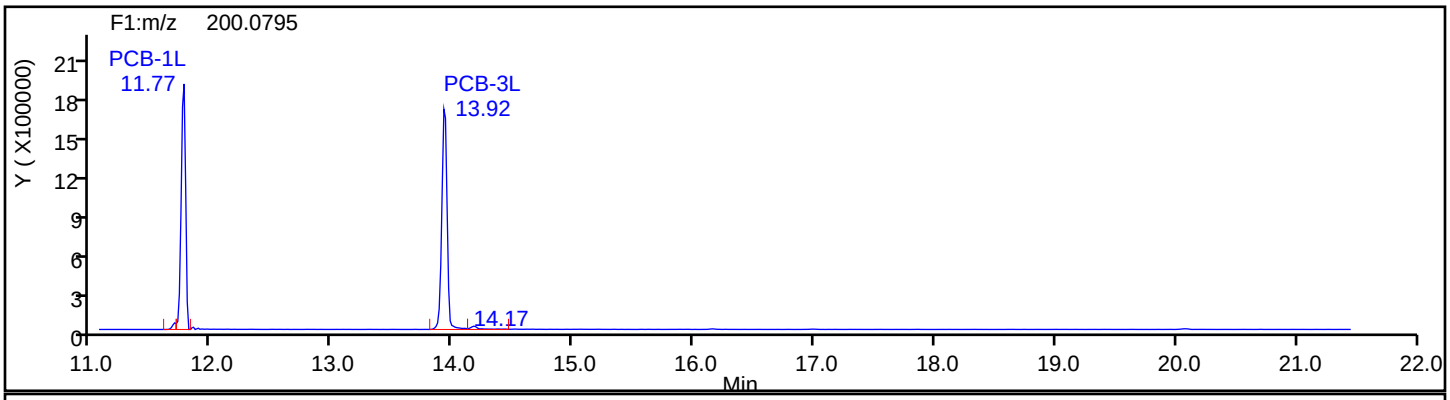
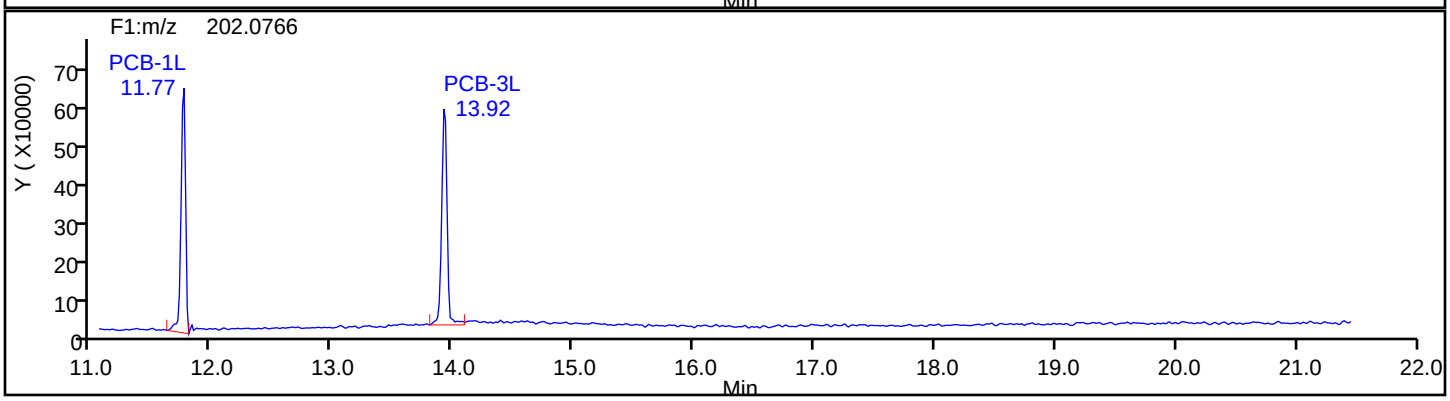
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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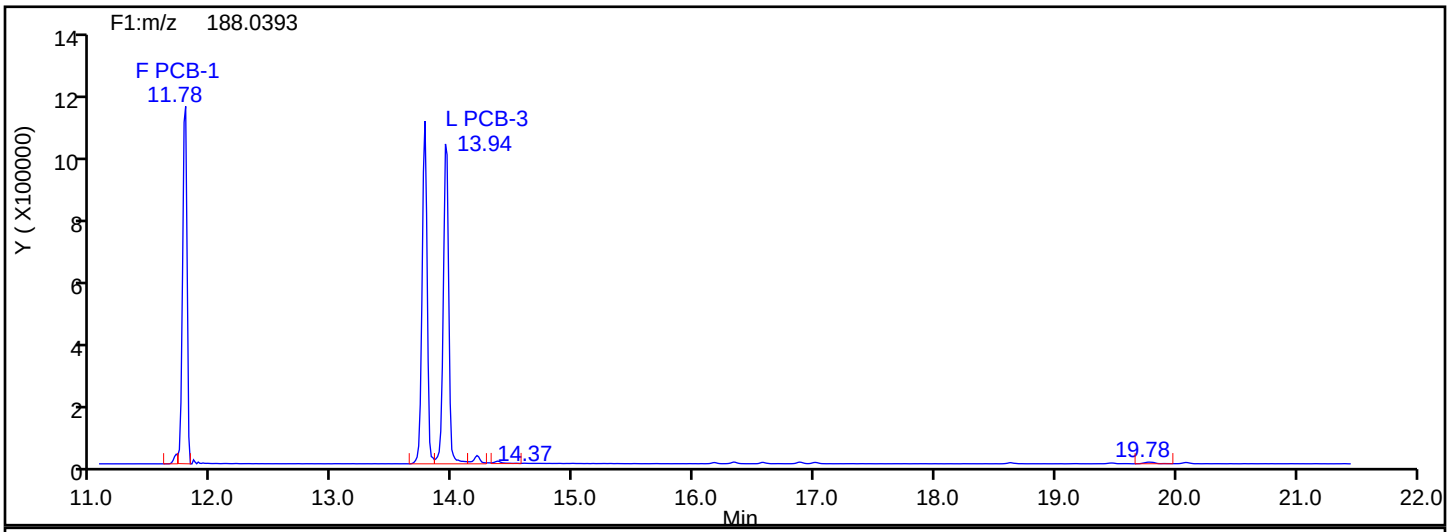
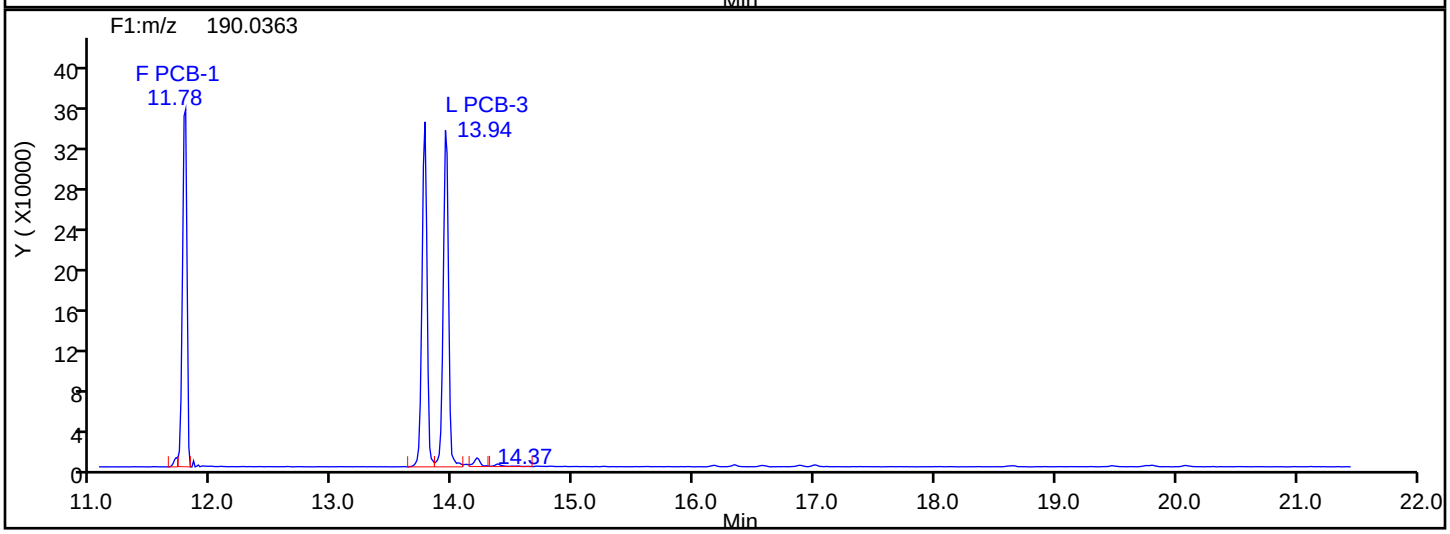
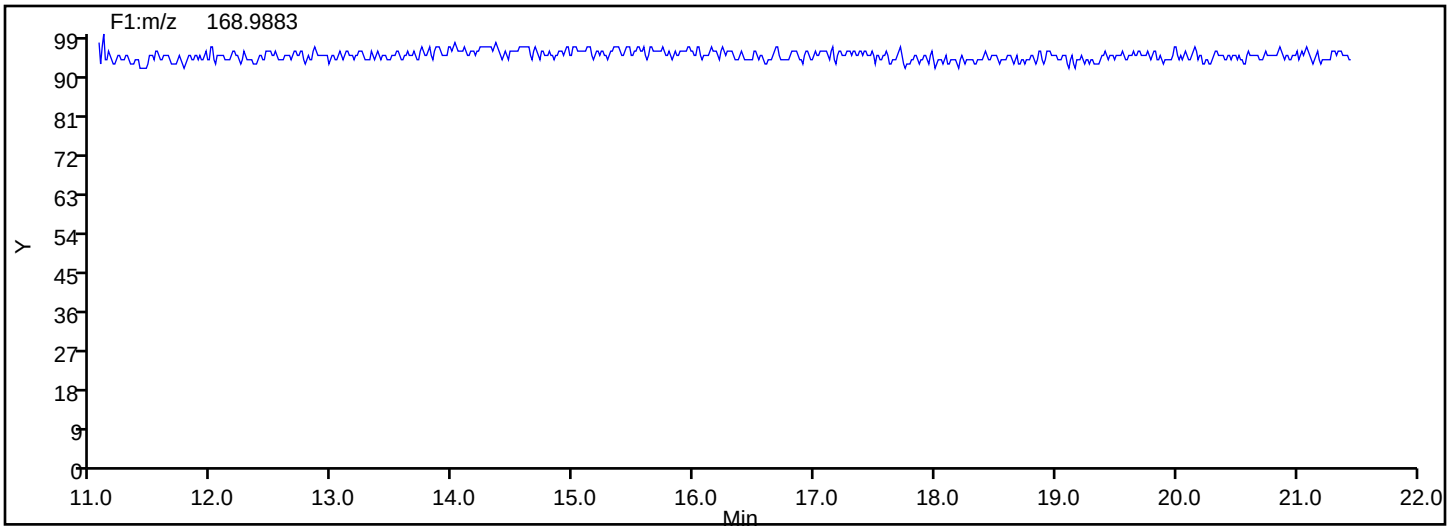
MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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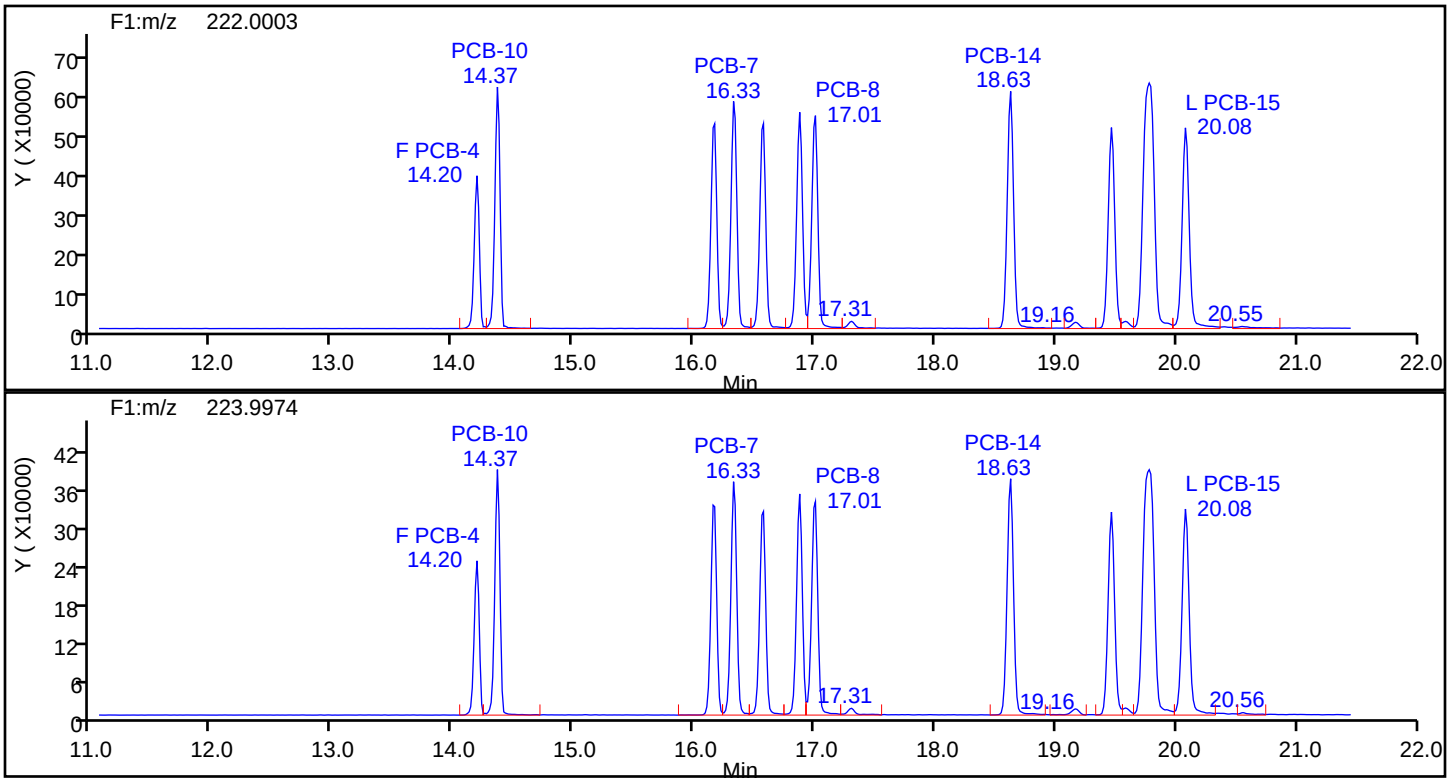
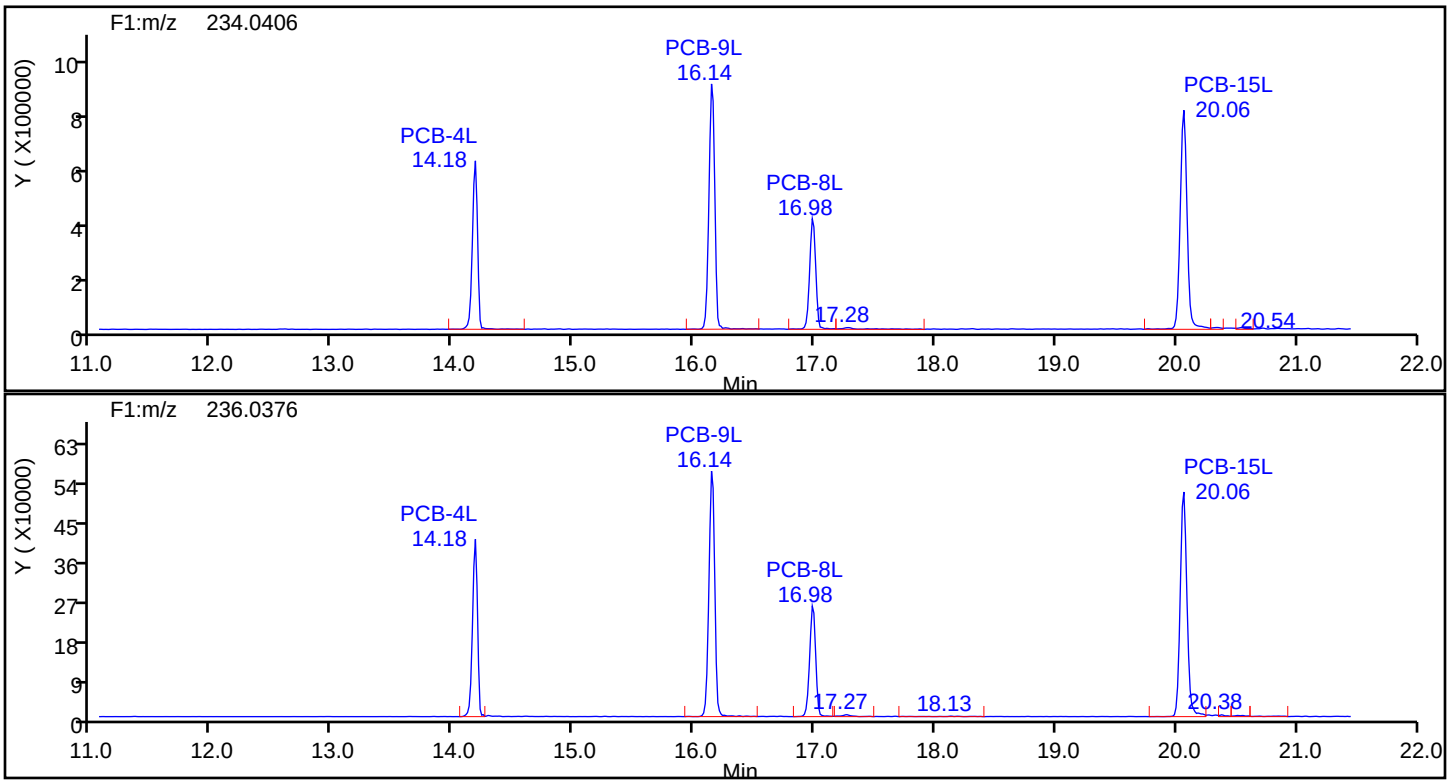
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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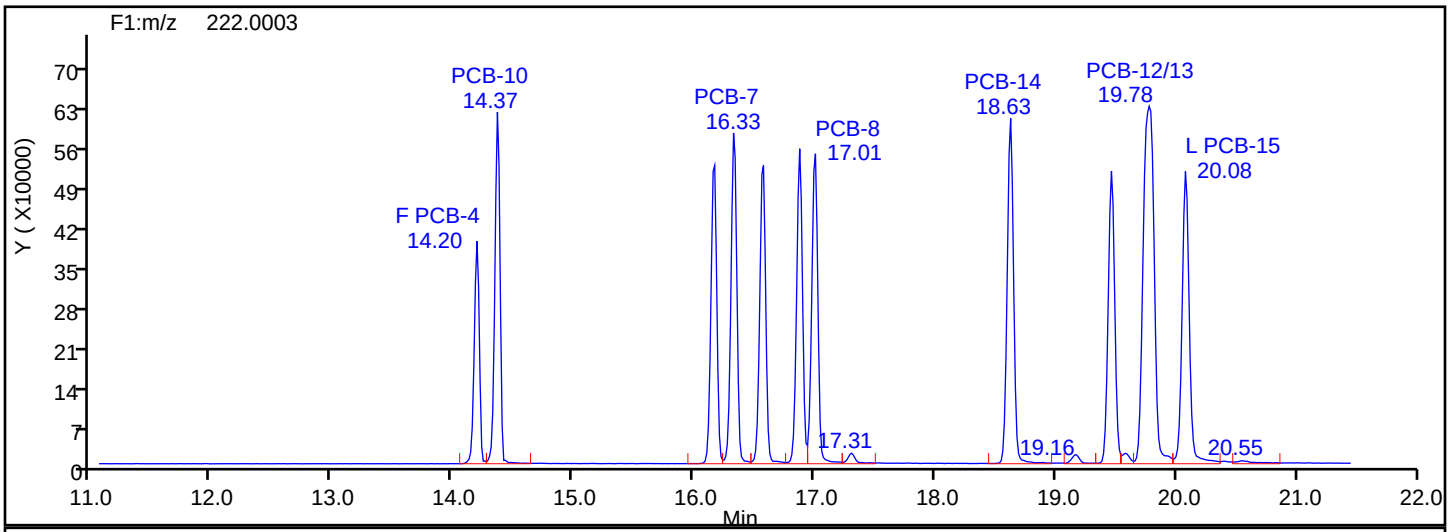
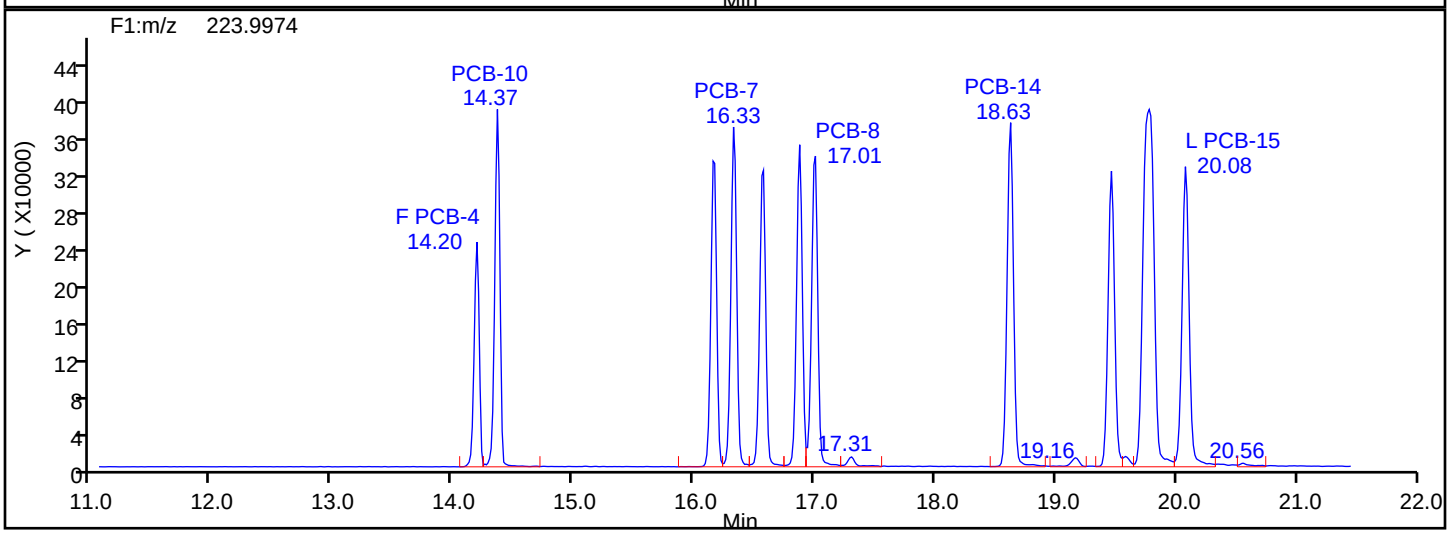
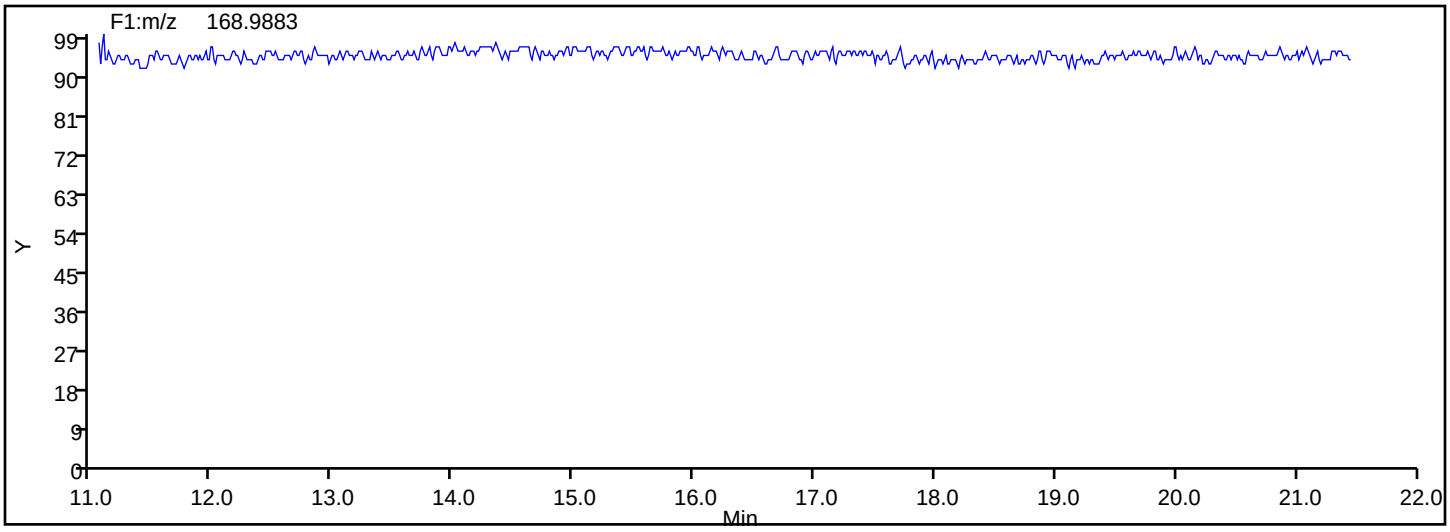
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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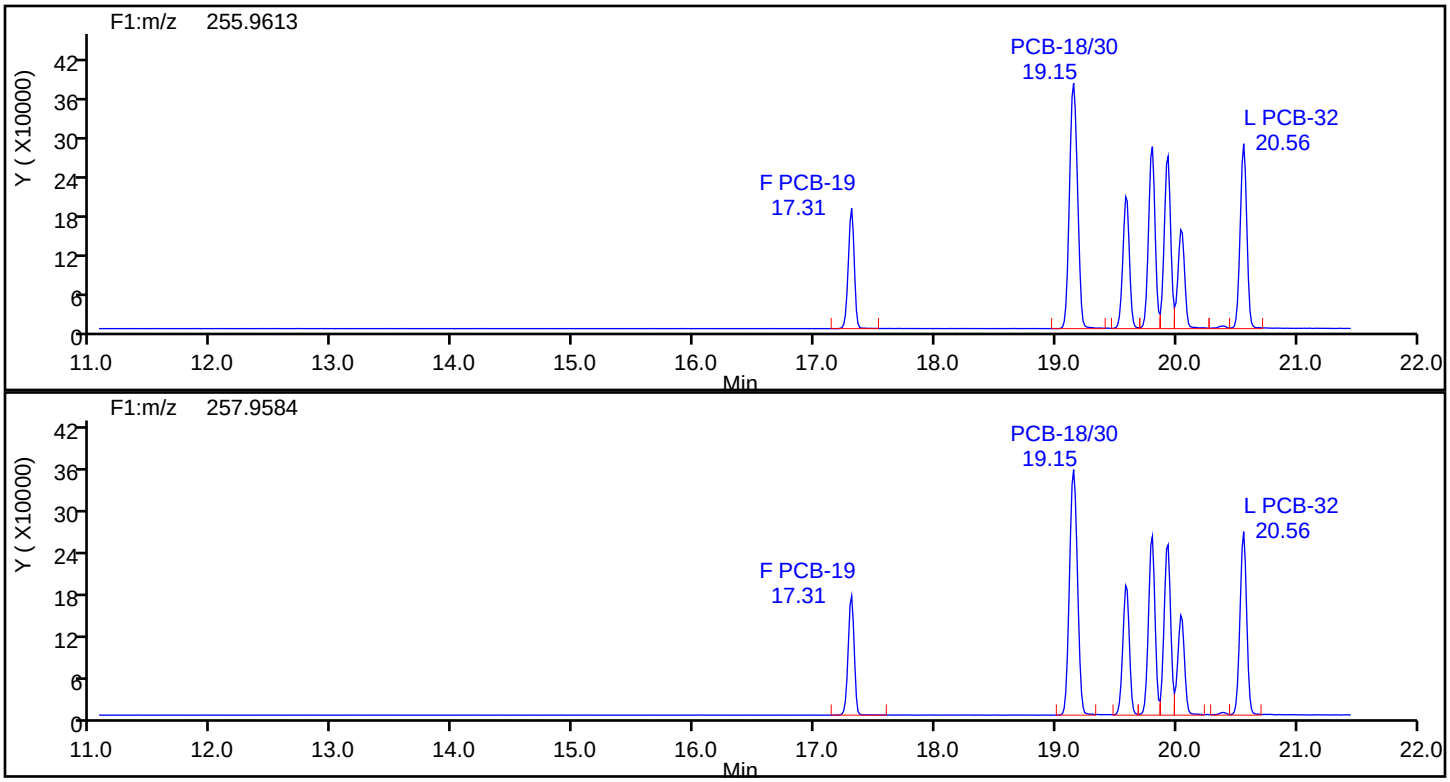
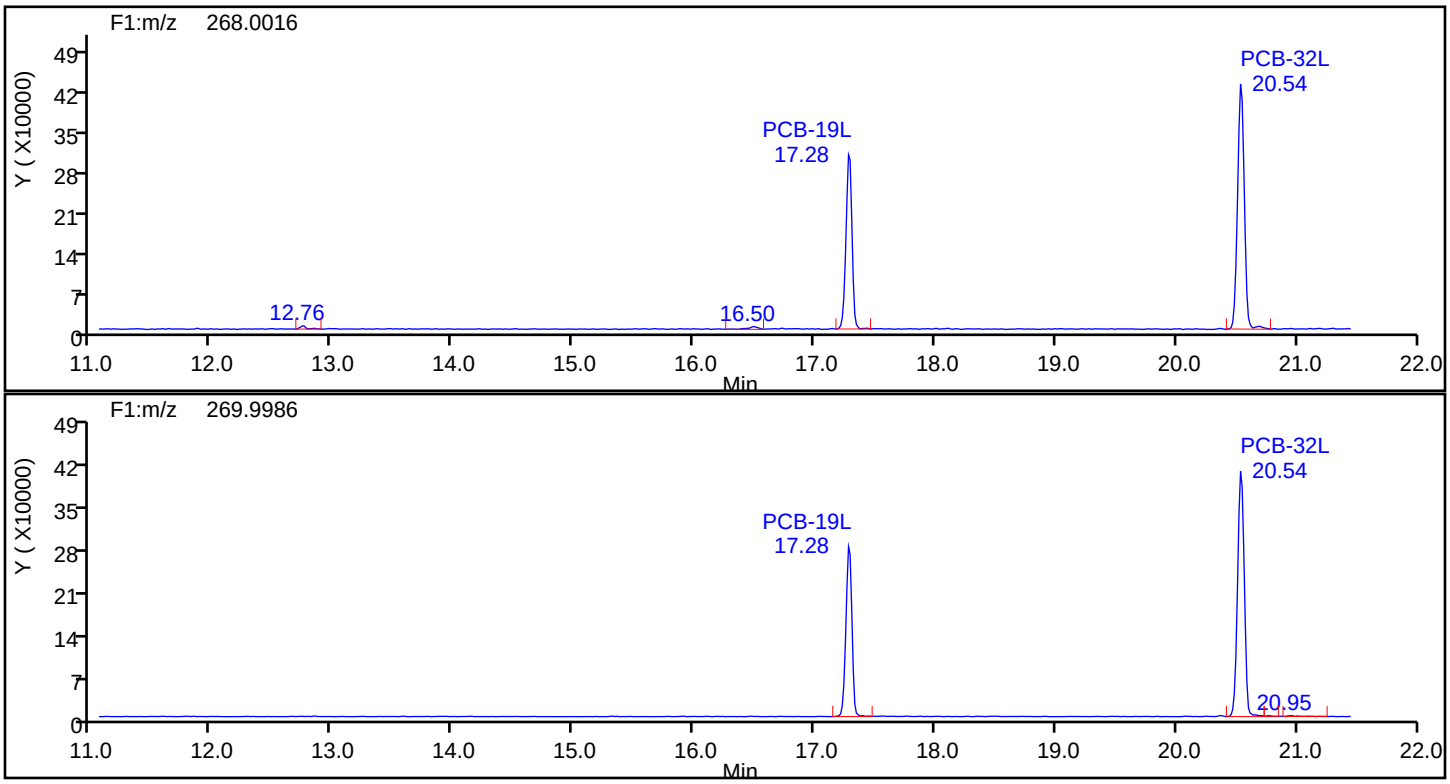
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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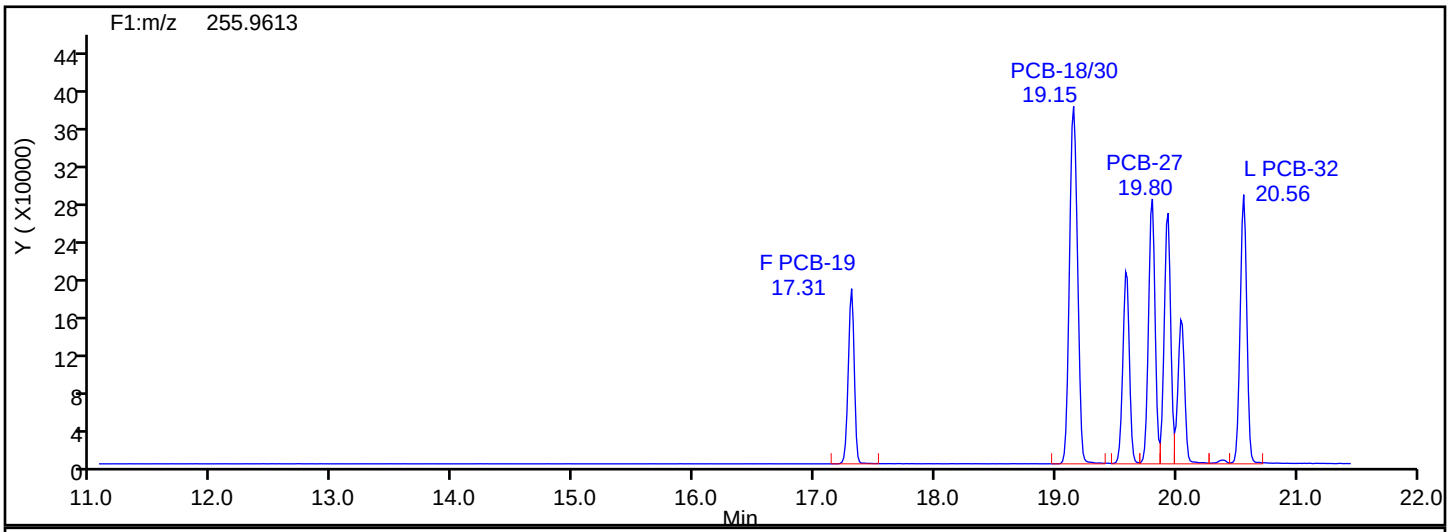
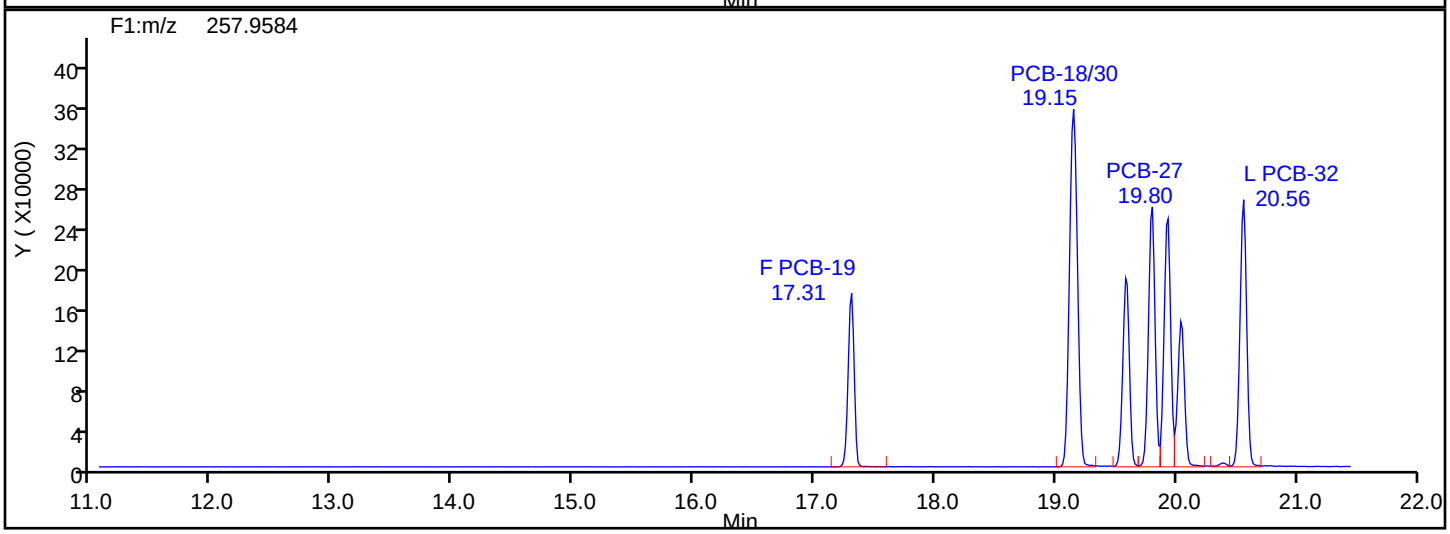
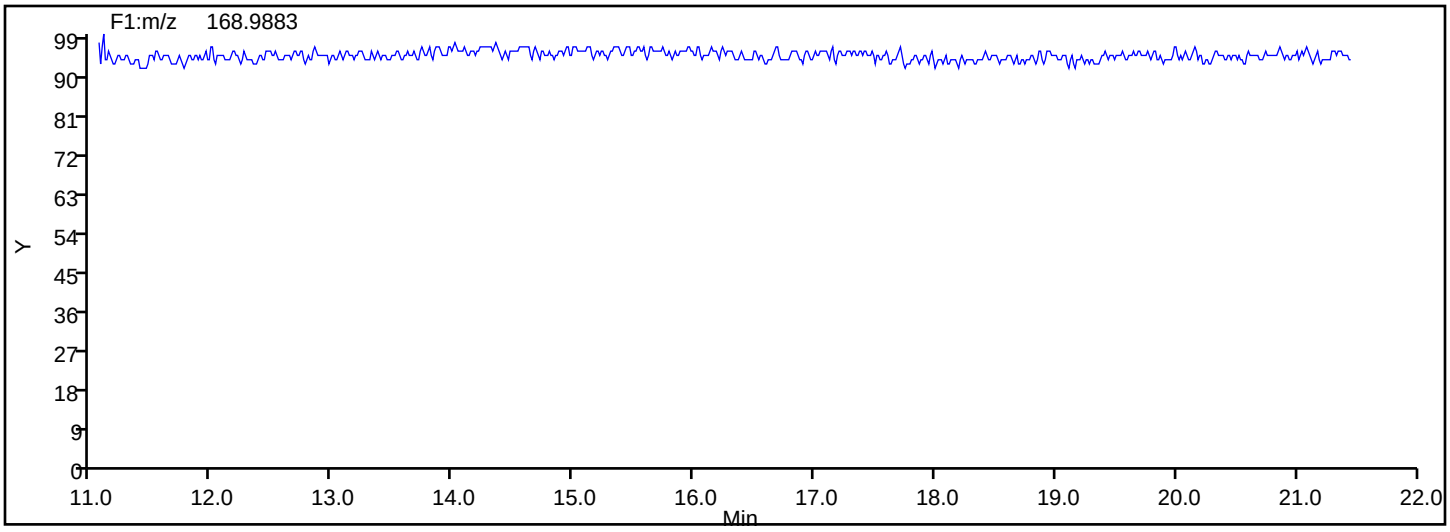
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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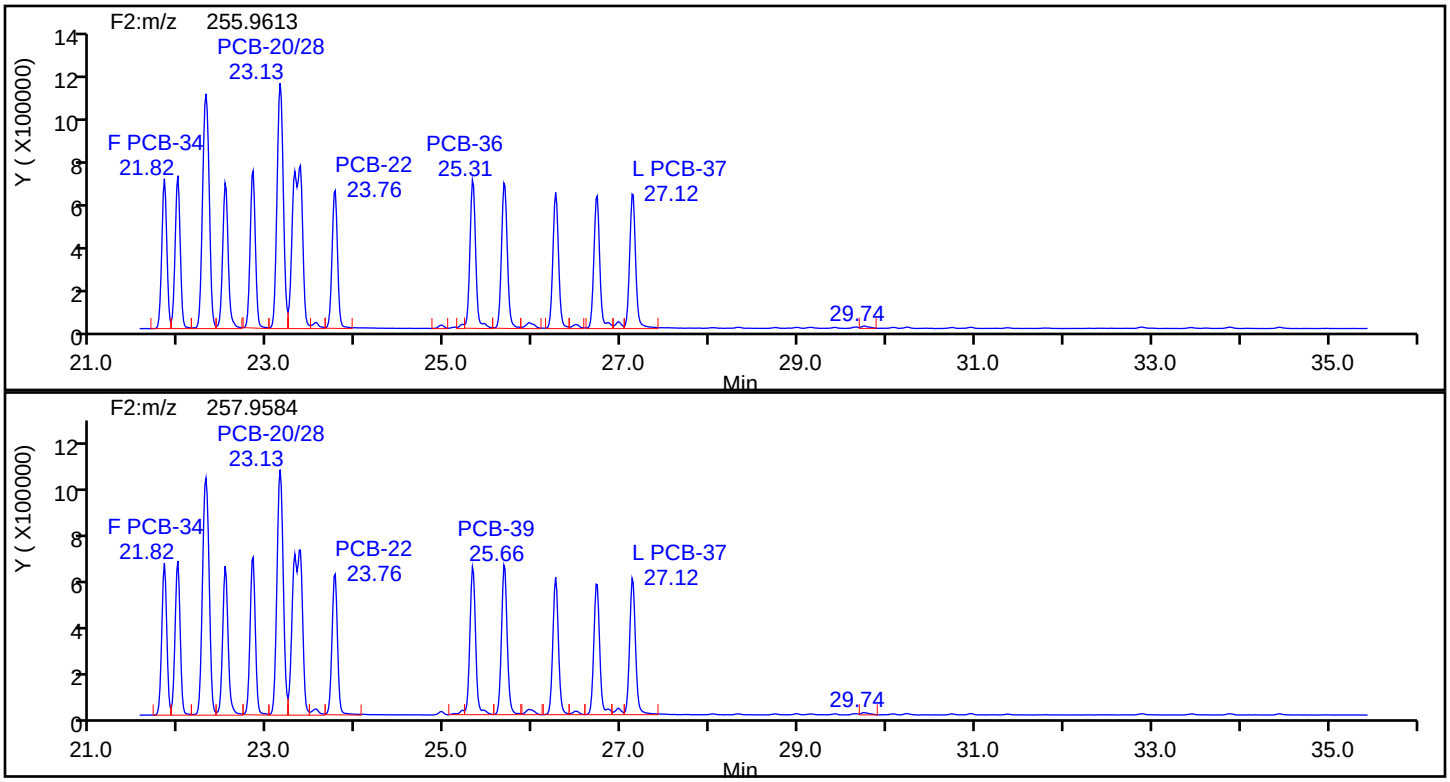
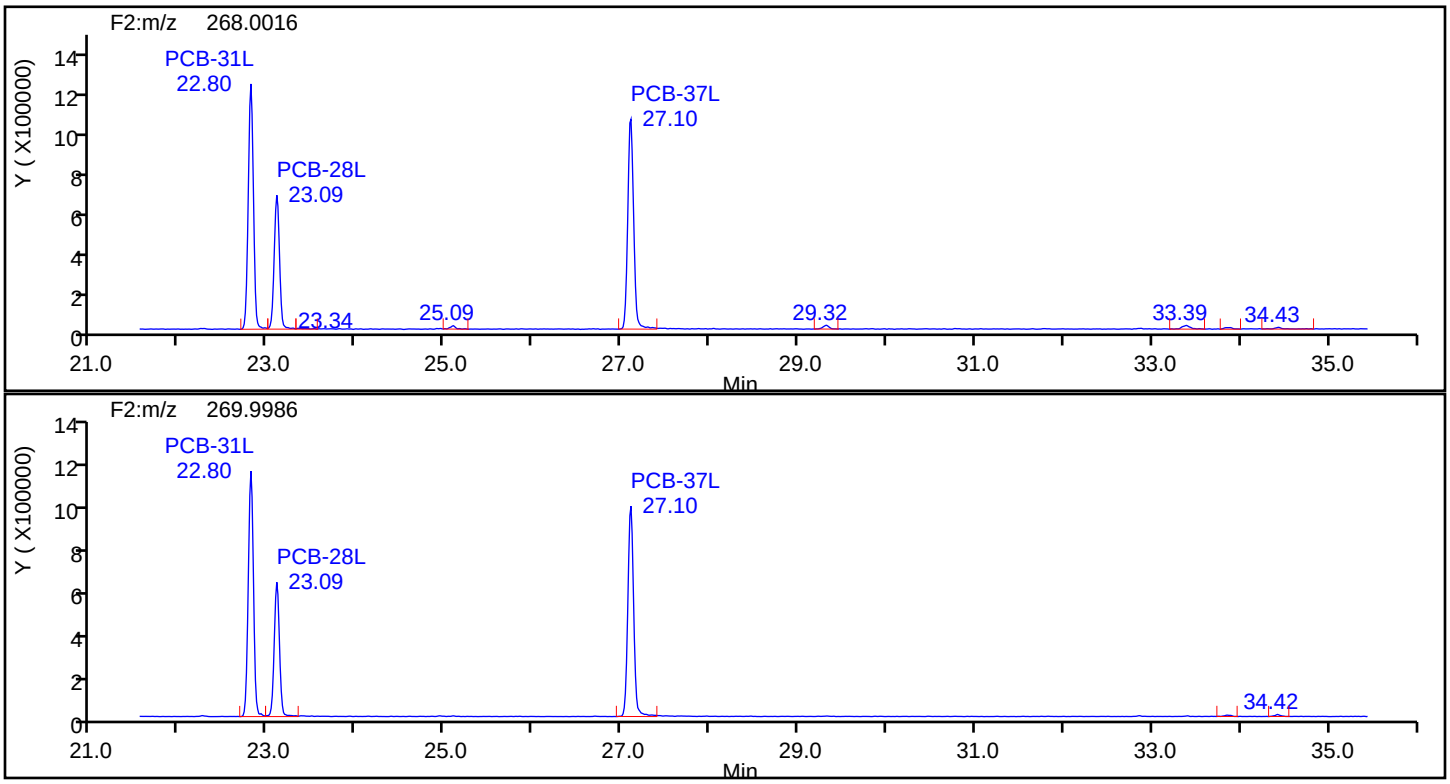
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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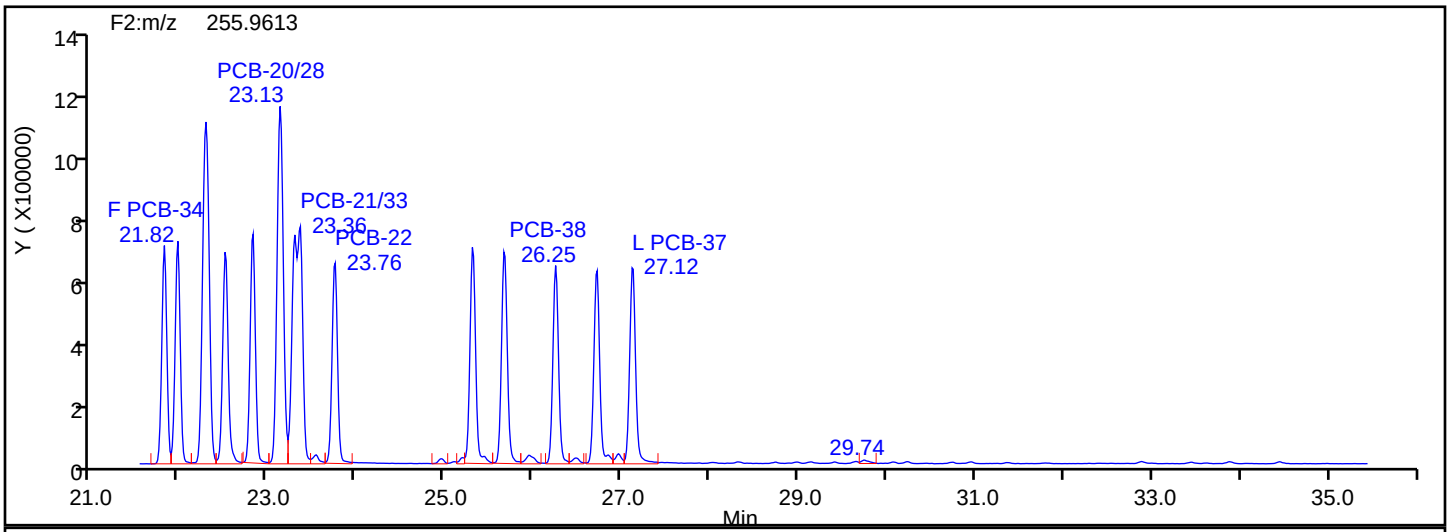
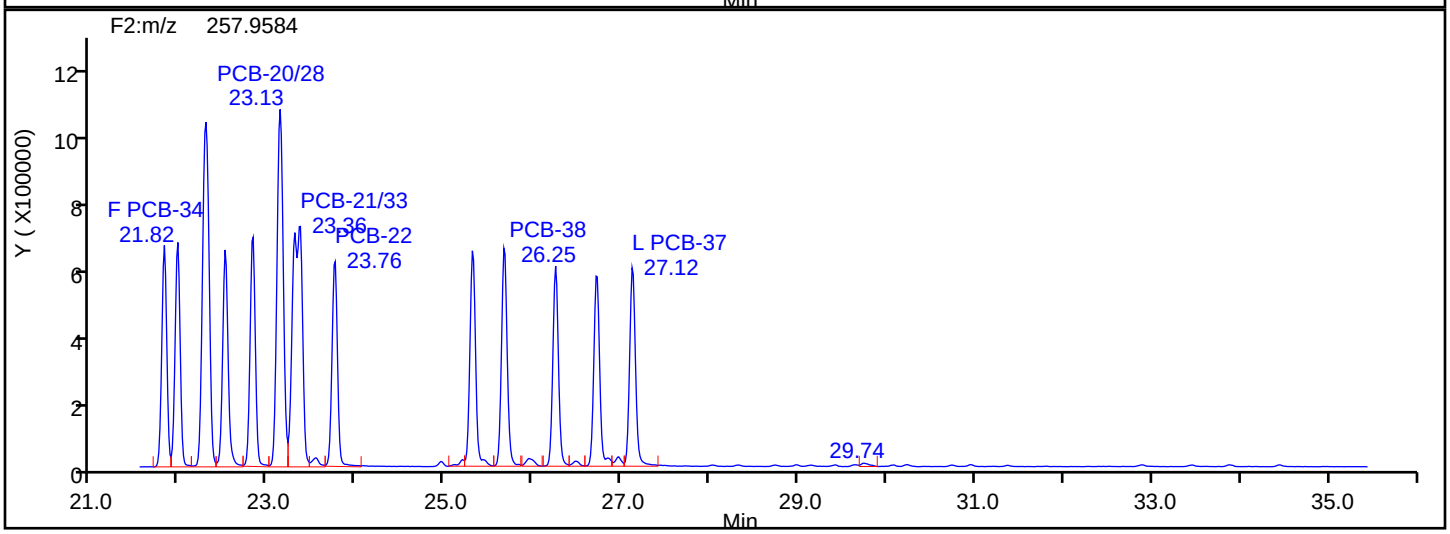
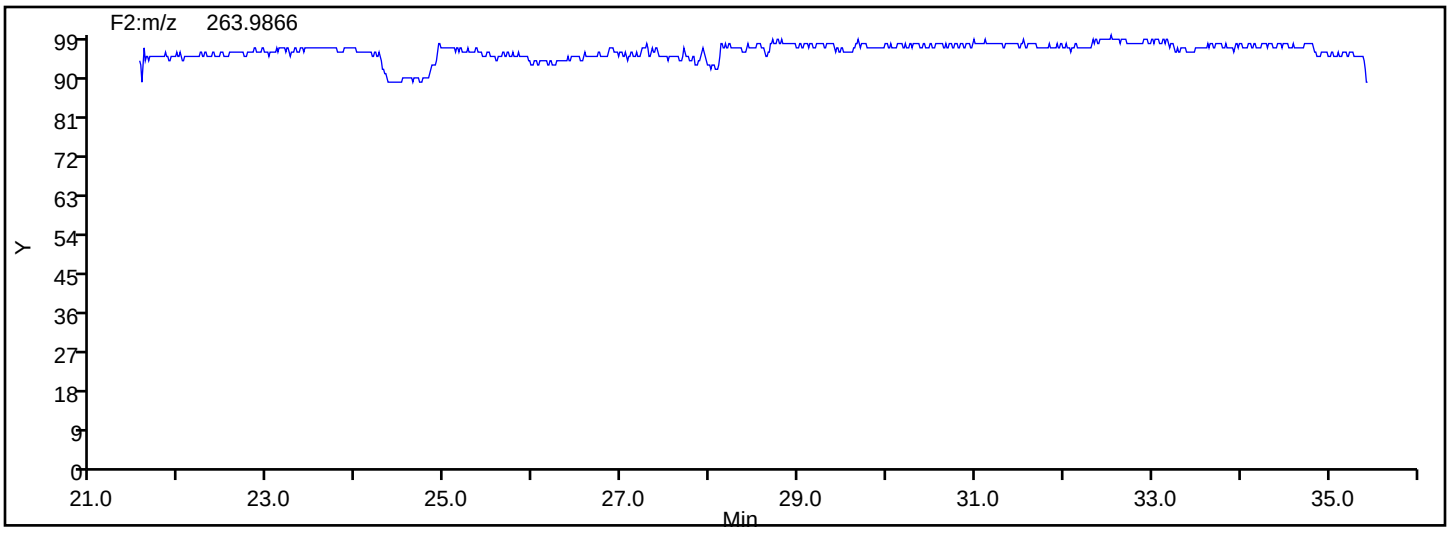
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Eurofins TestAmerica, Knoxville

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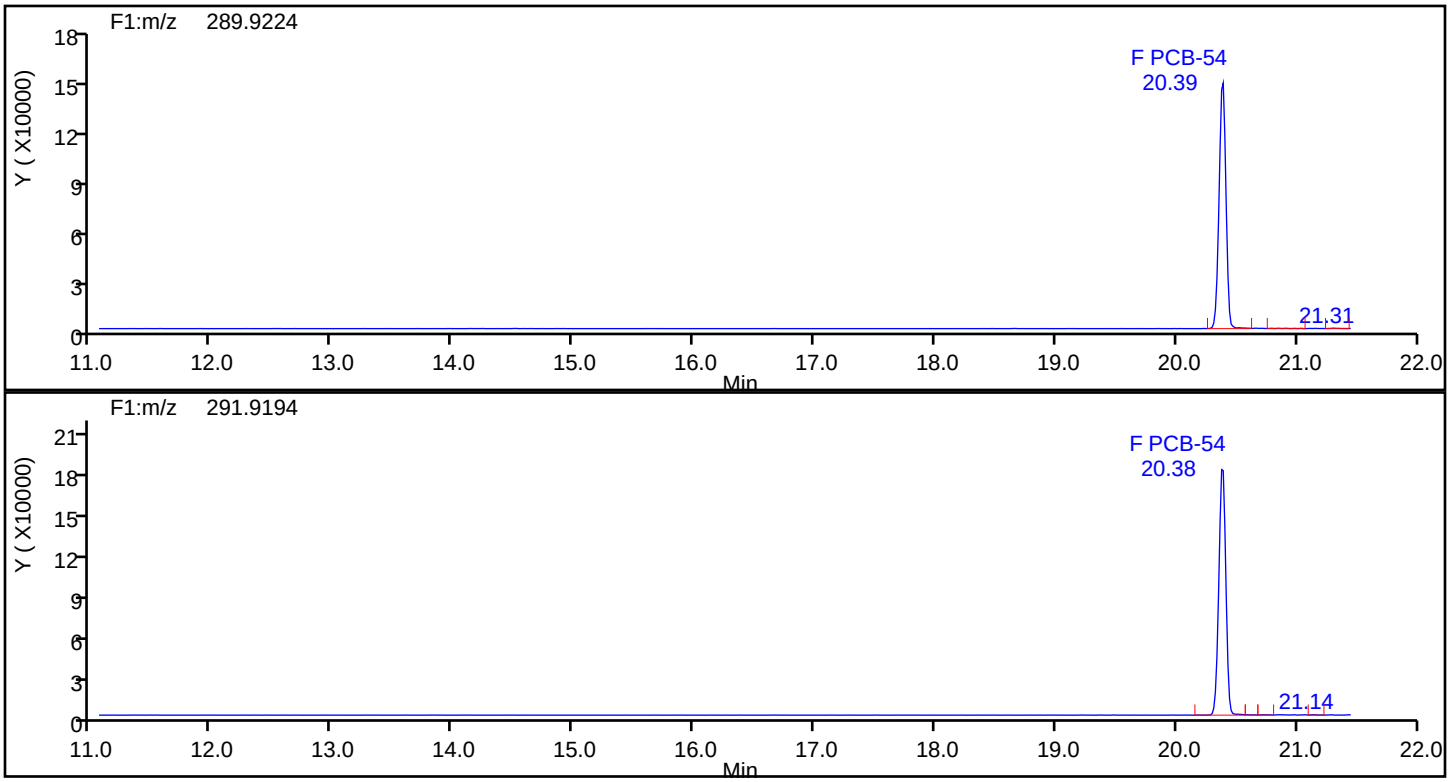
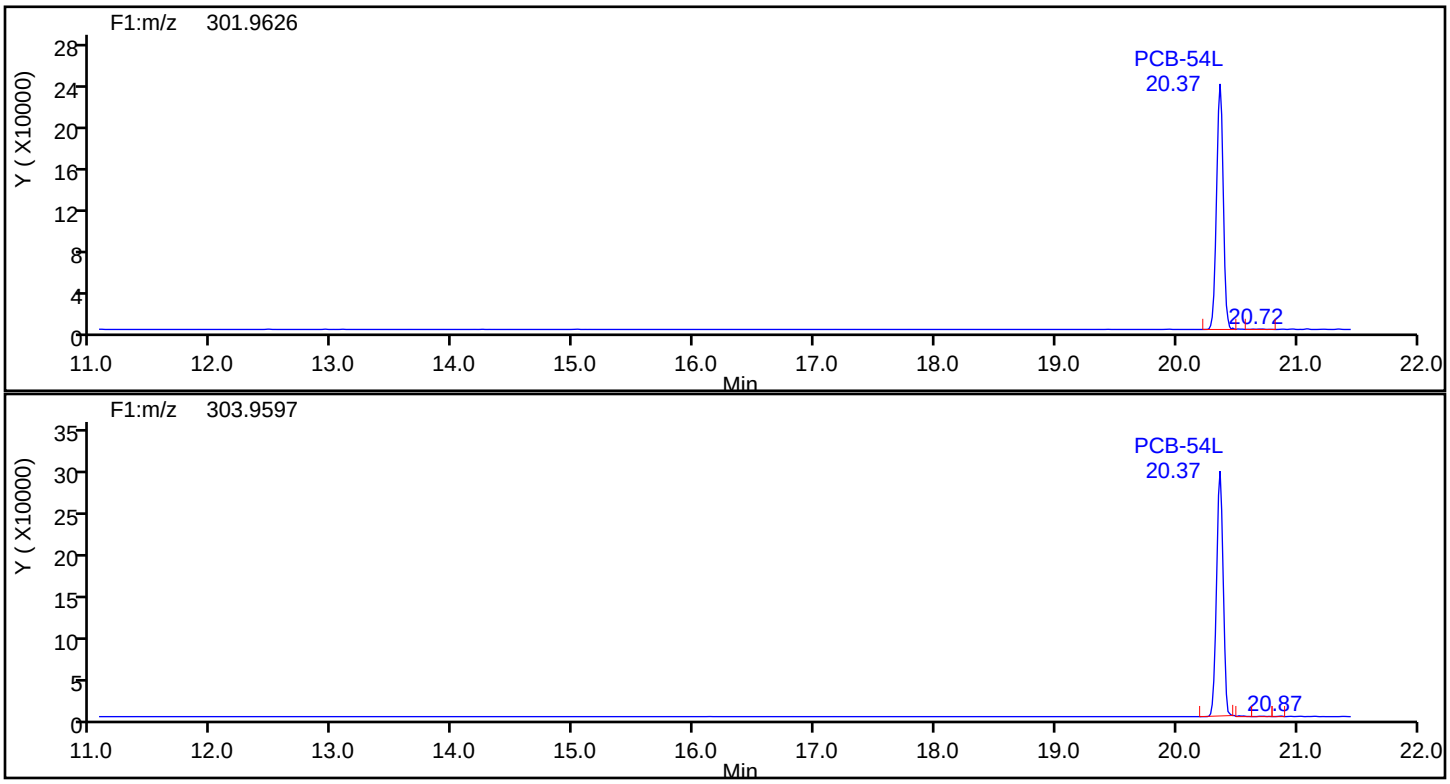
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



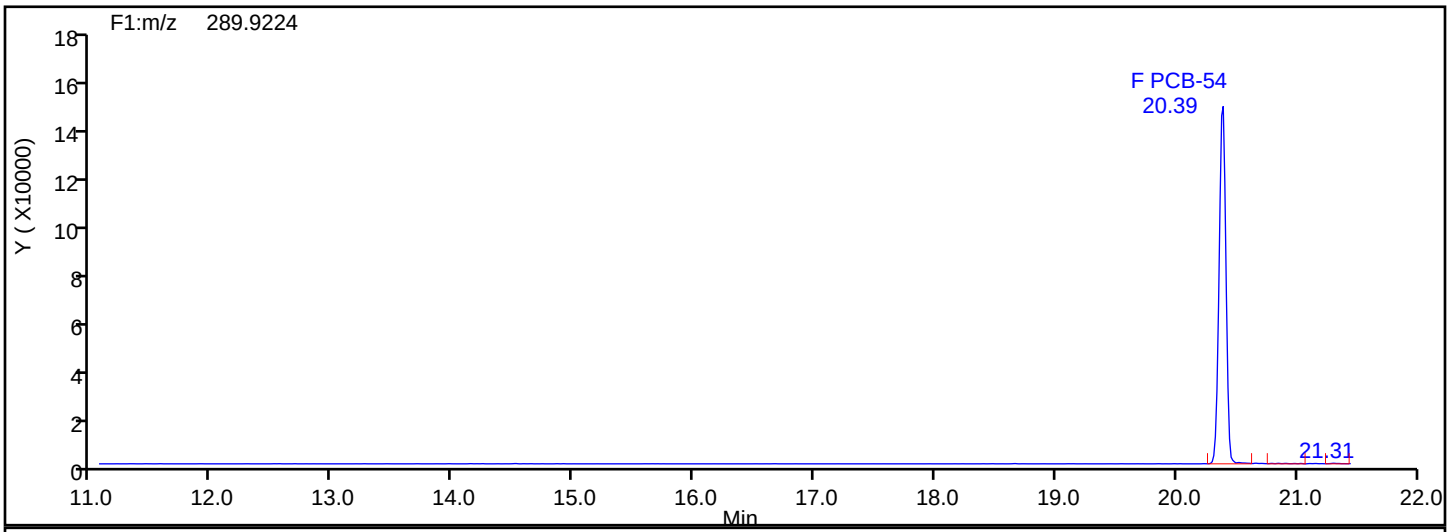

TePCB F1 Standards

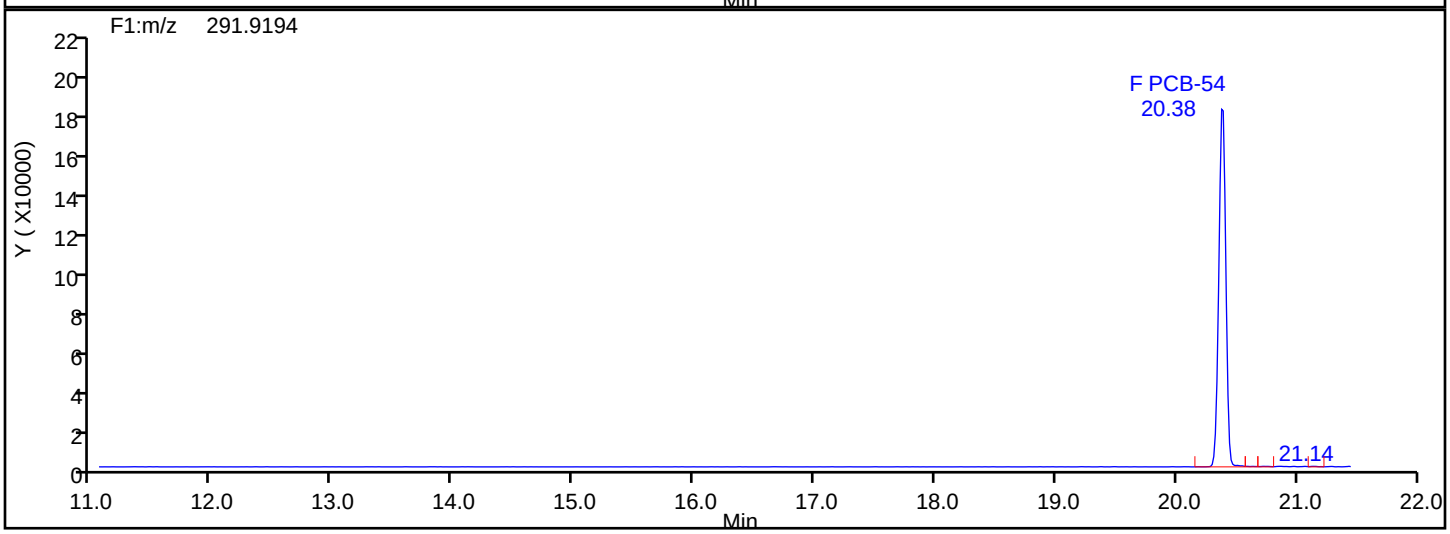


Eurofins TestAmerica, Knoxville

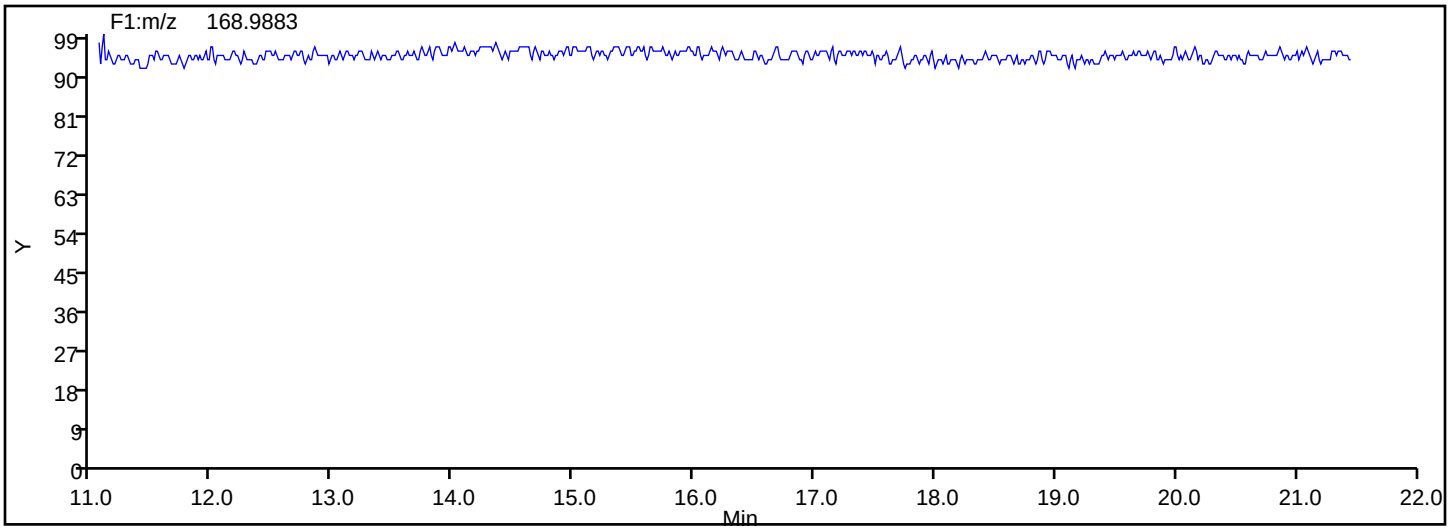
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Report Date: 10-Oct-2019 02:23:13 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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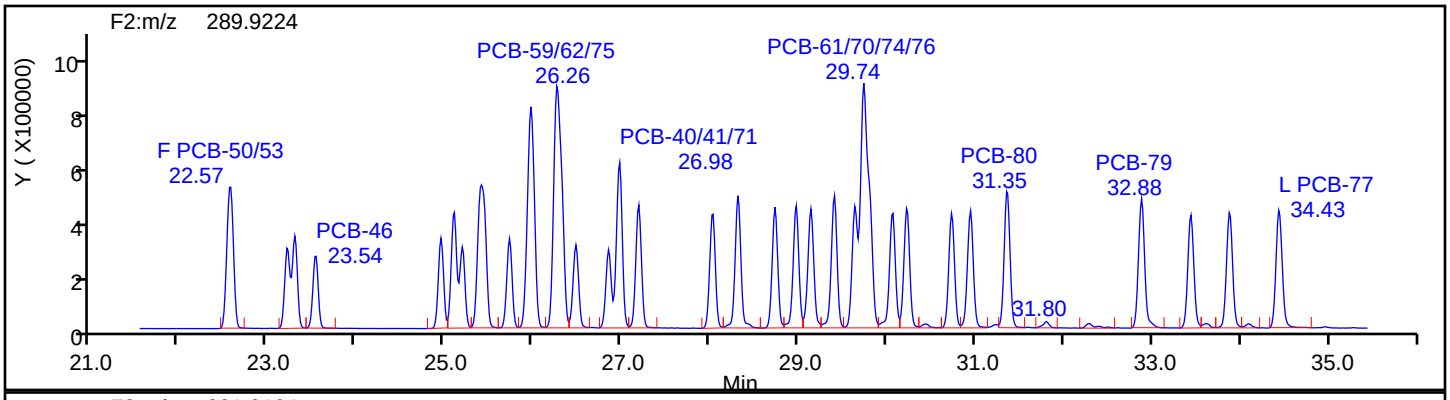
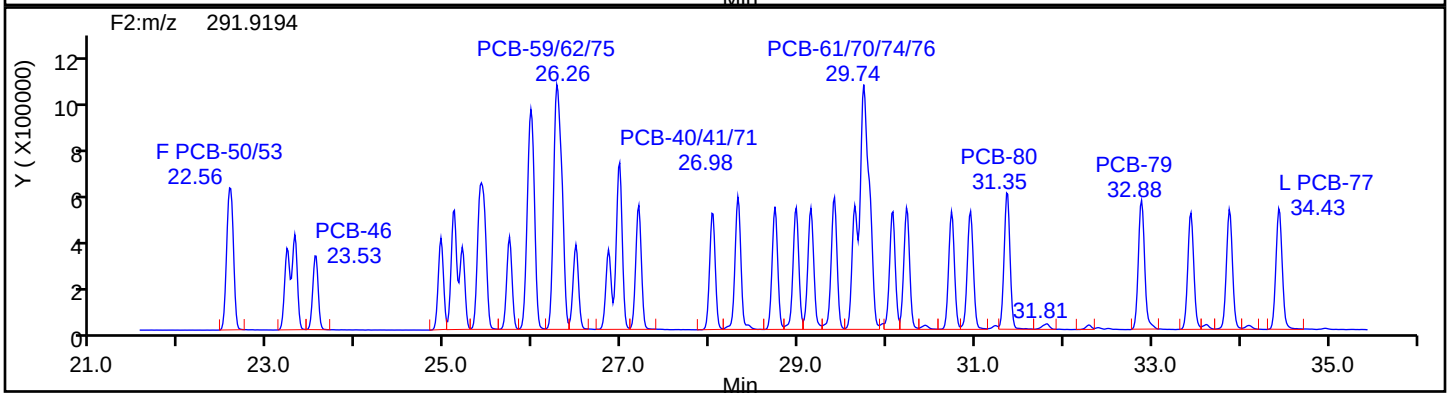
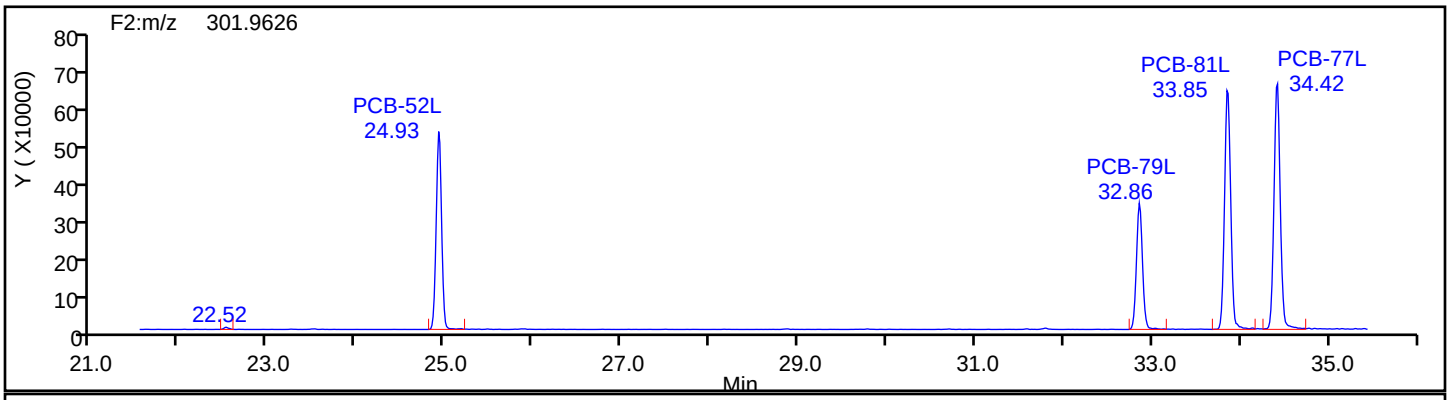
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

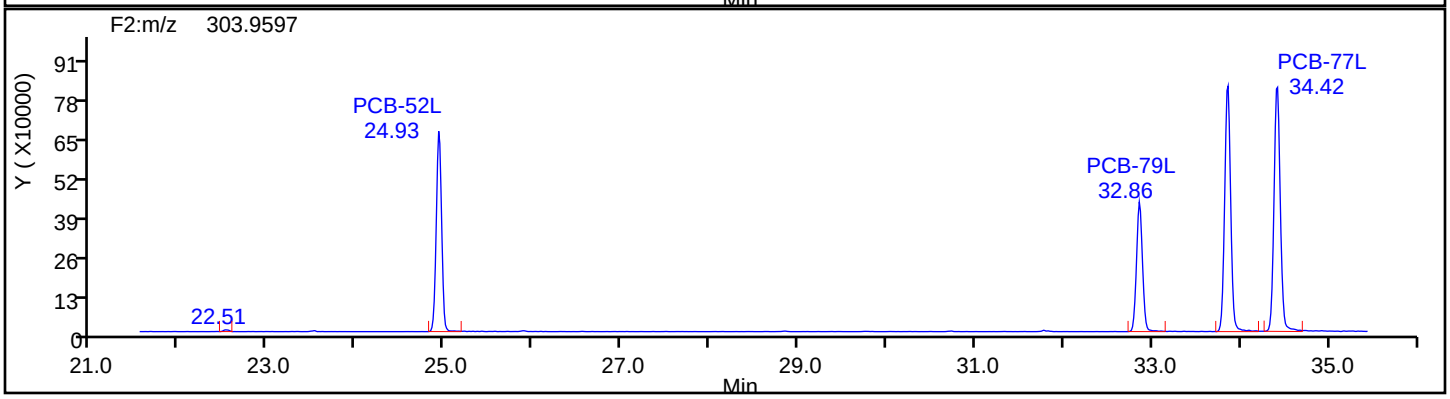
TePCB F2




TePCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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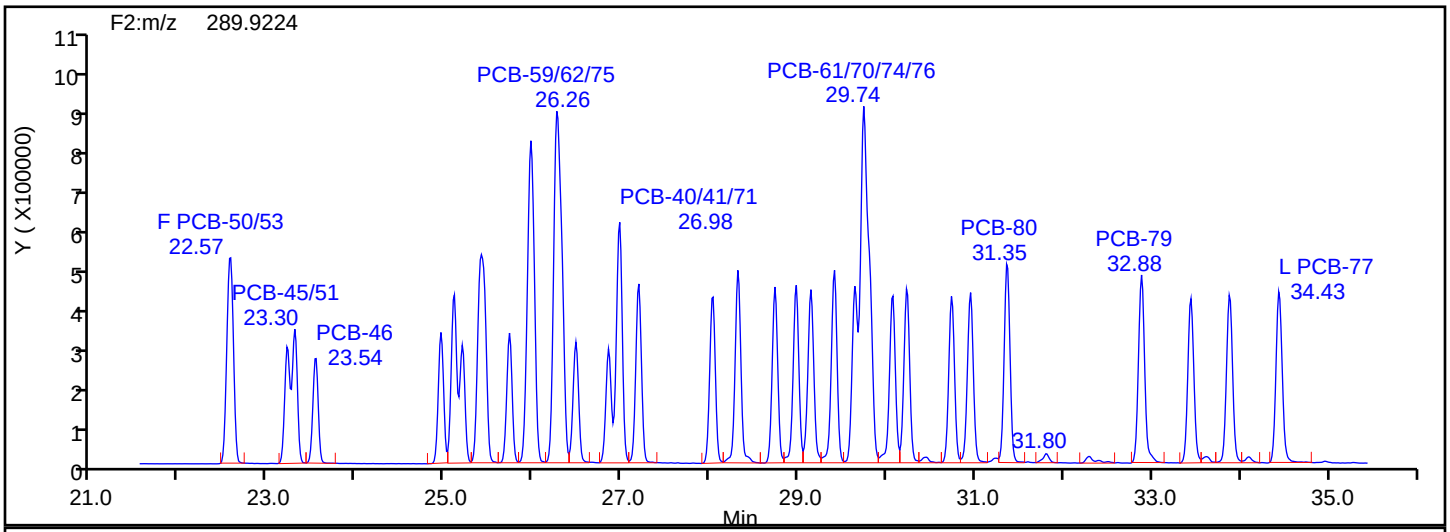
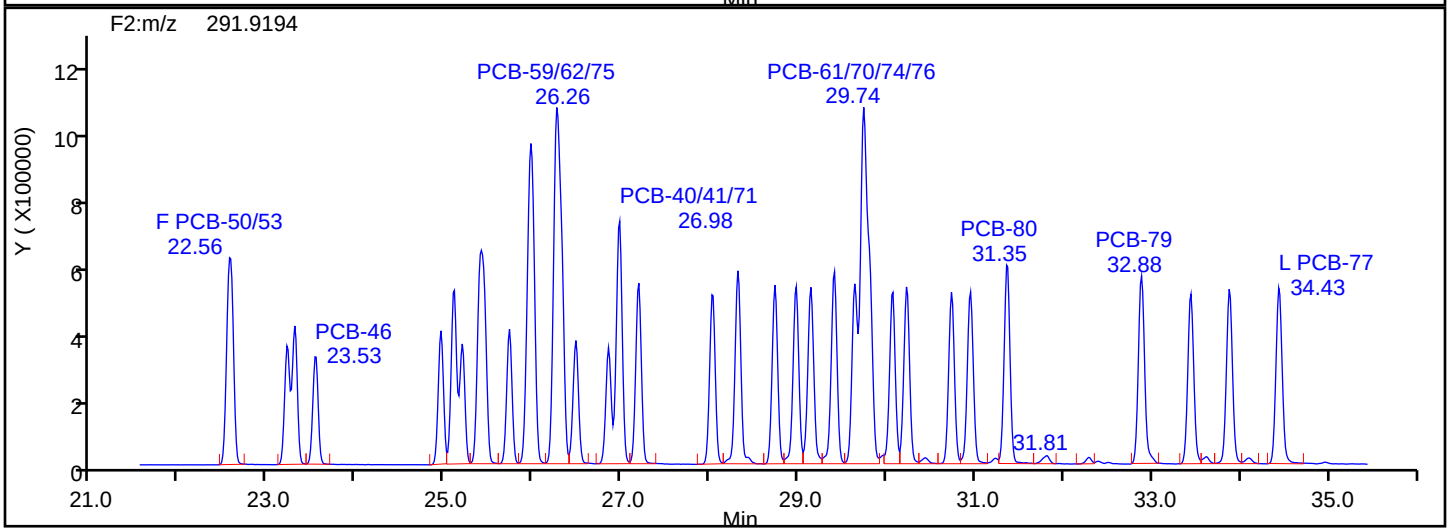
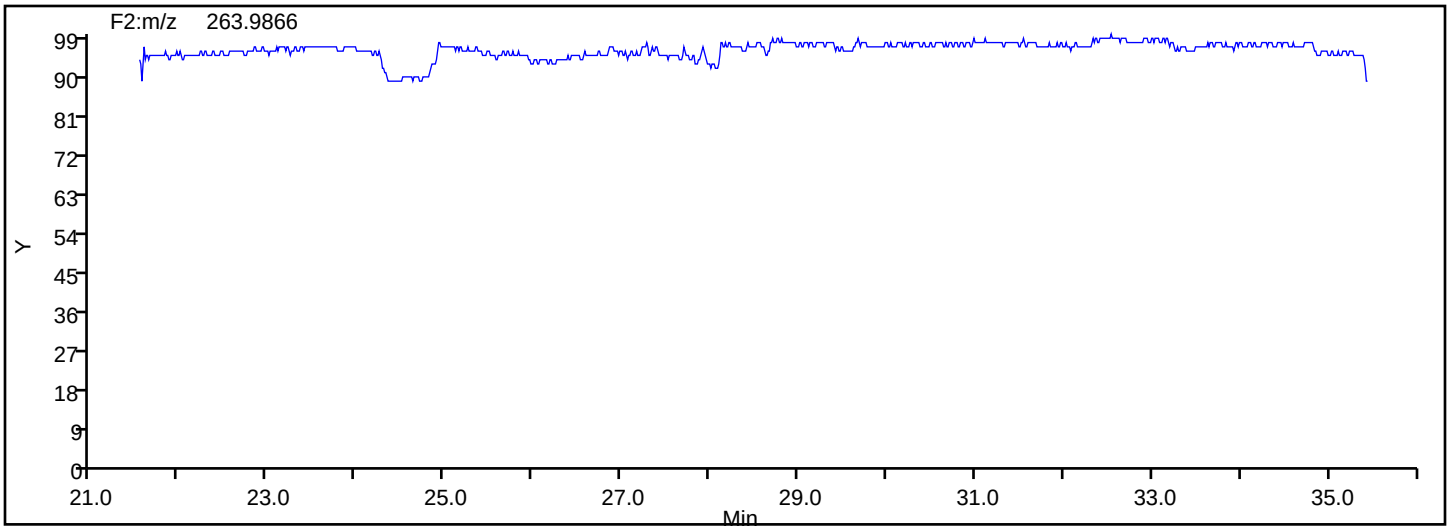
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

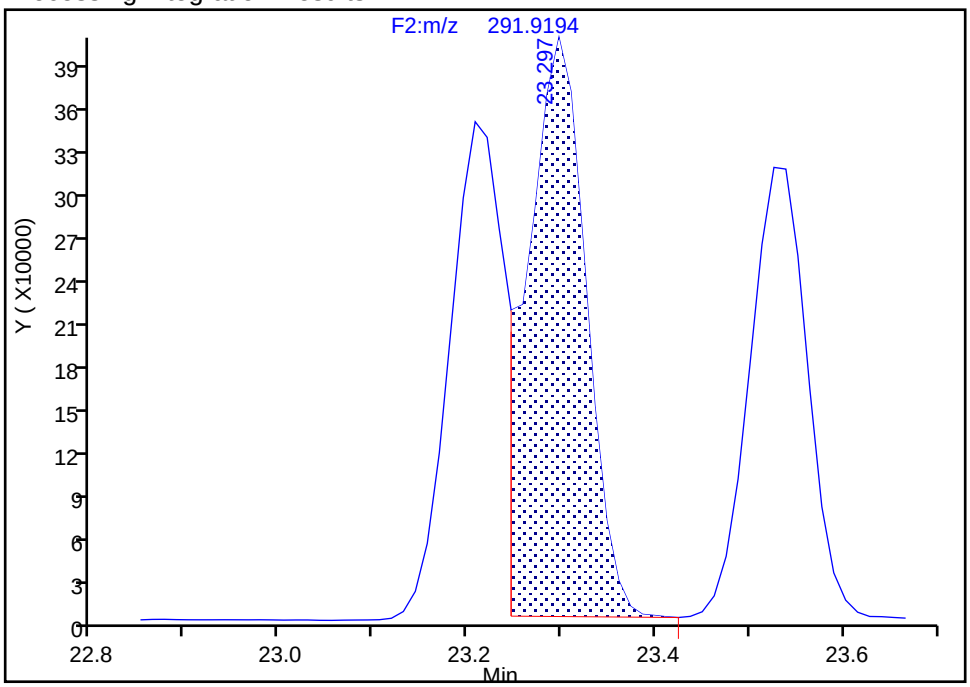
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

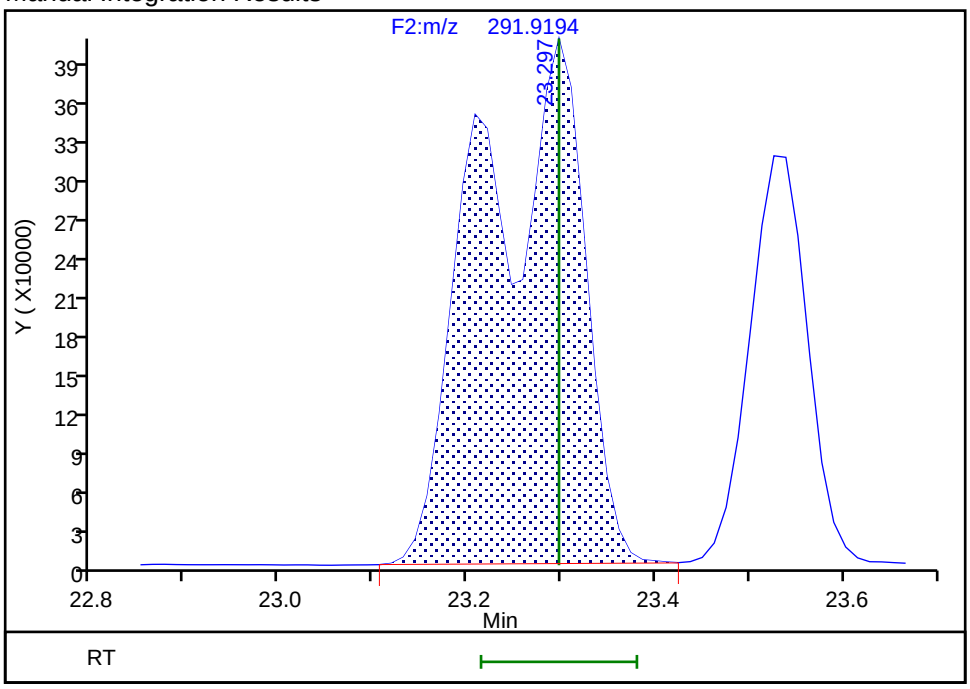
Processing Integration Results

RT: 23.30
Area: 1730848
Amount: 46.630242
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 3091446
Amount: 86.917256
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:55:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

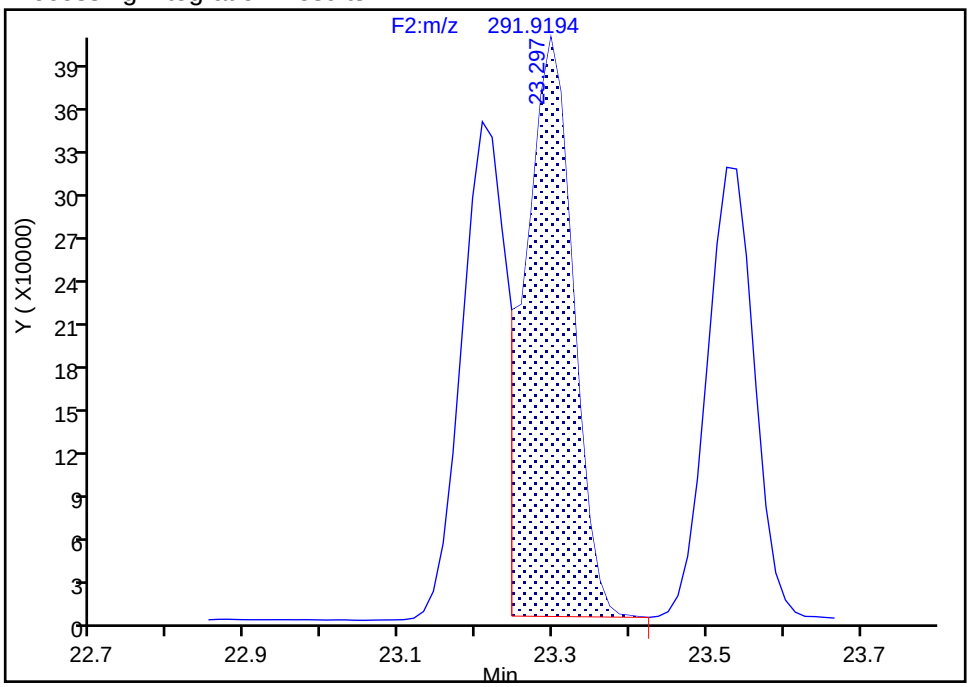
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.30
Area: 2982751
Amount: 46.630242
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 5559751
Amount: 86.917256
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:55:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

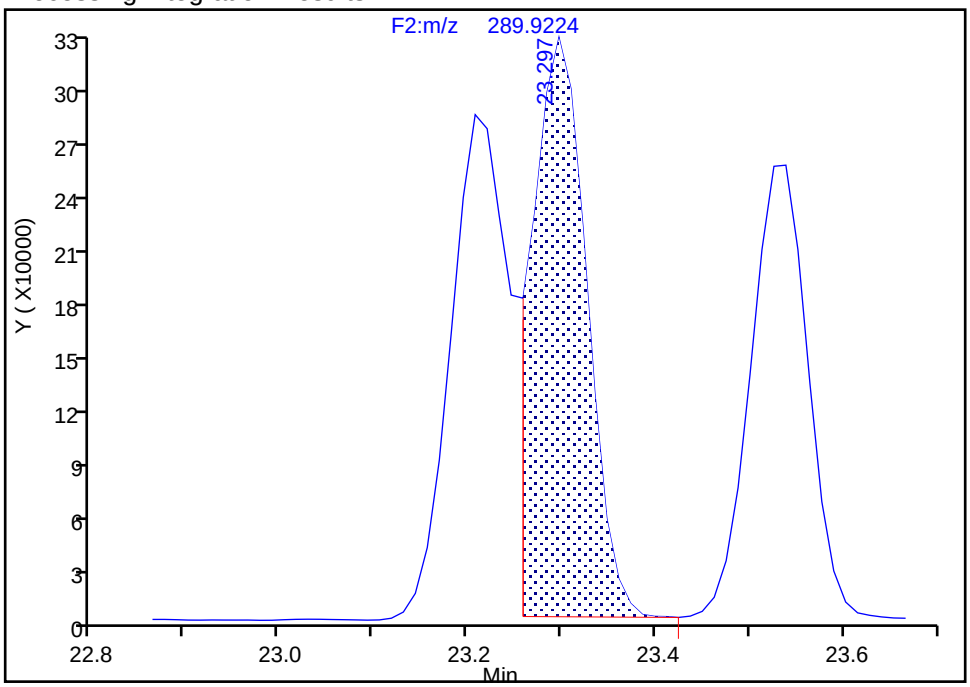
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

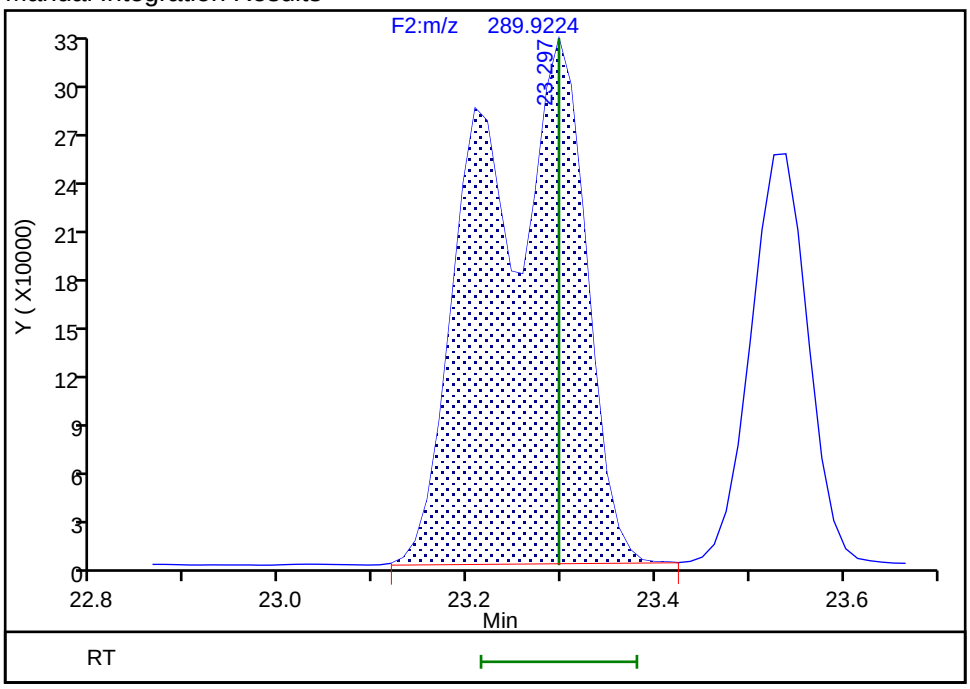
Processing Integration Results

RT: 23.30
Area: 1251903
Amount: 46.630242
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 2468305
Amount: 86.917256
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:55:21

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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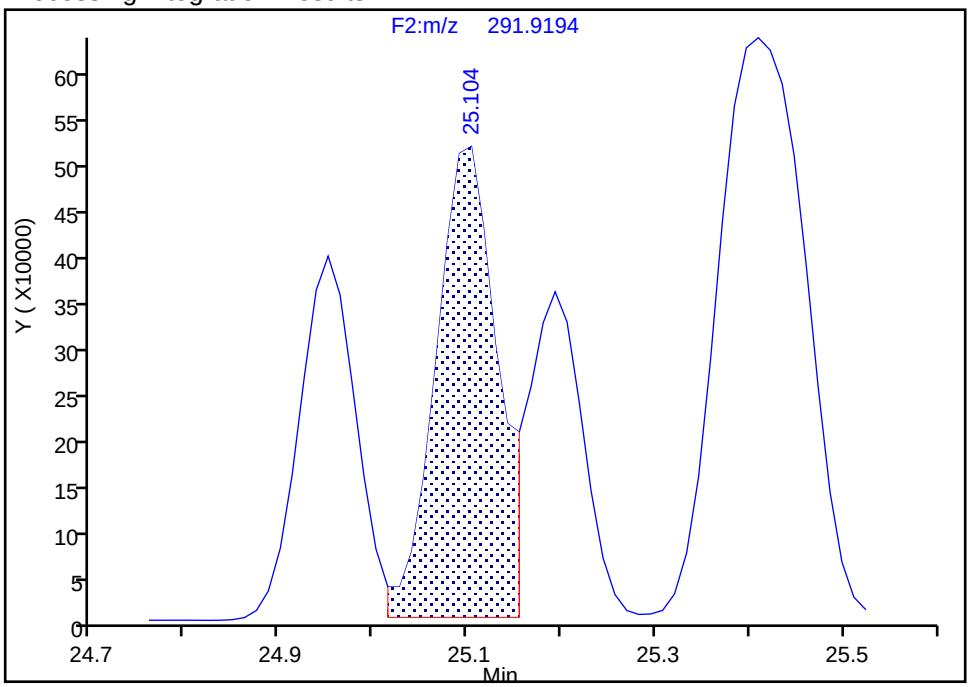
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

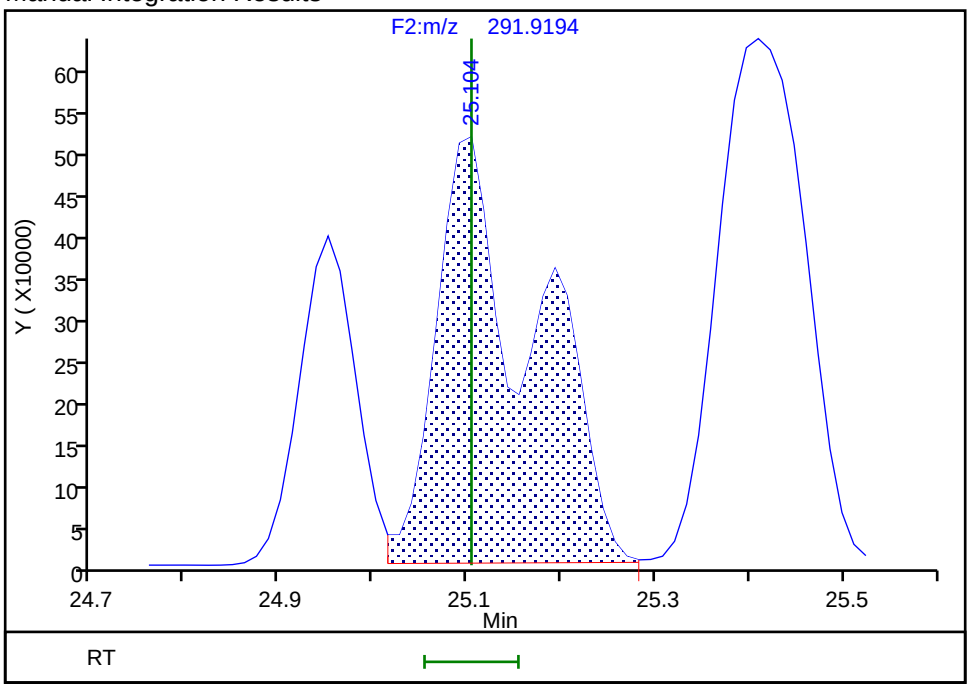
Processing Integration Results

RT: 25.10
Area: 2287124
Amount: 56.303907
Amount Units: pg/ul




Manual Integration Results

RT: 25.10
Area: 3679071
Amount: 91.196282
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:55:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

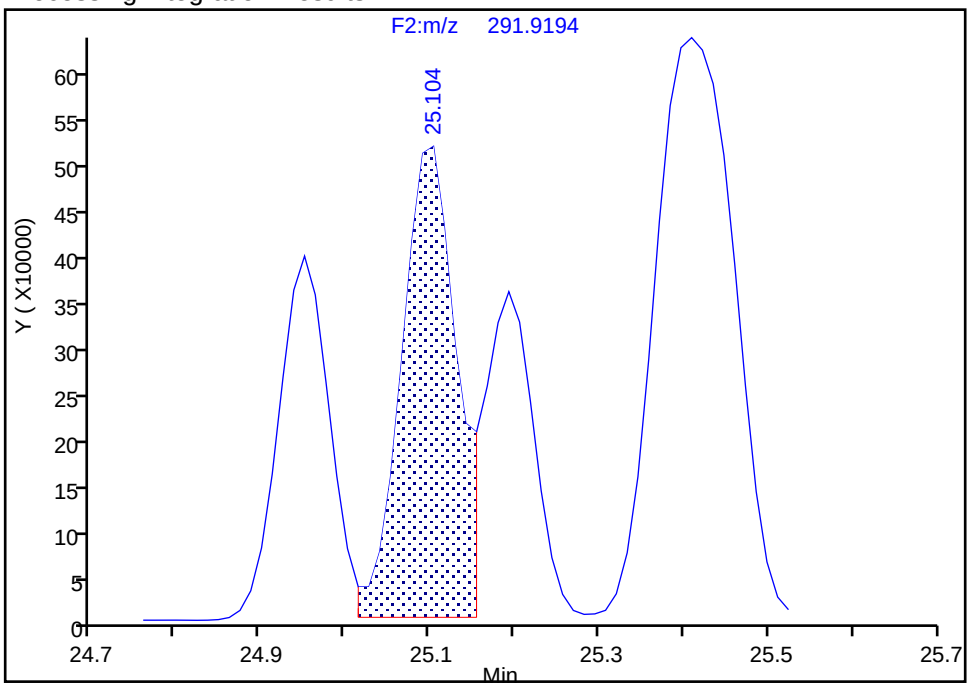
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 3

Processing Integration Results

RT: 25.10
Area: 4066742
Amount: 56.303907
Amount Units: pg/ul




Manual Integration Results

RT: 25.10
Area: 6586963
Amount: 91.196282
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:55:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

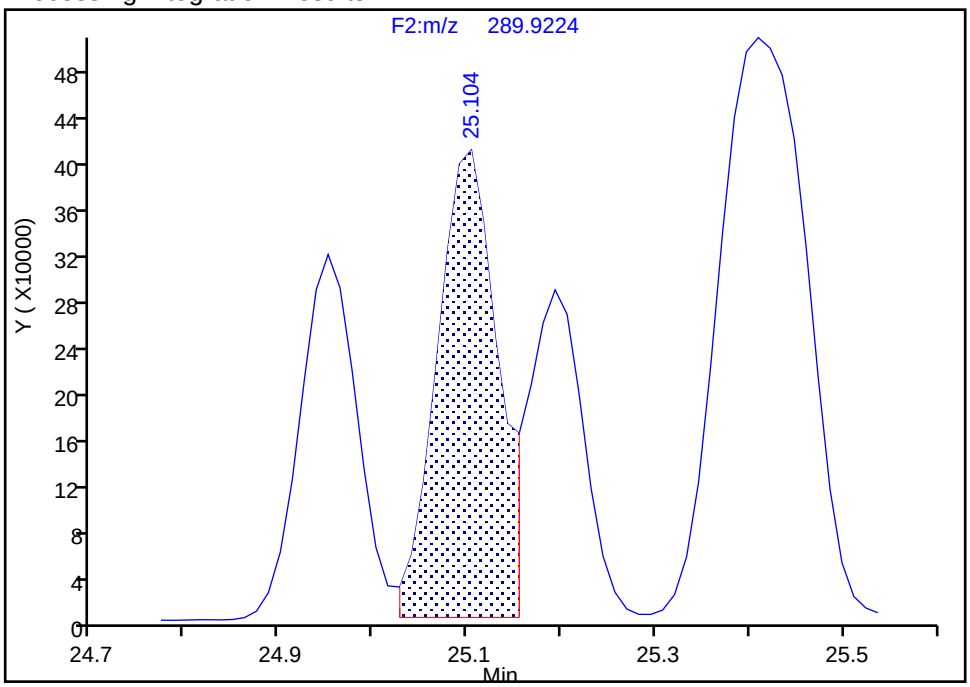
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

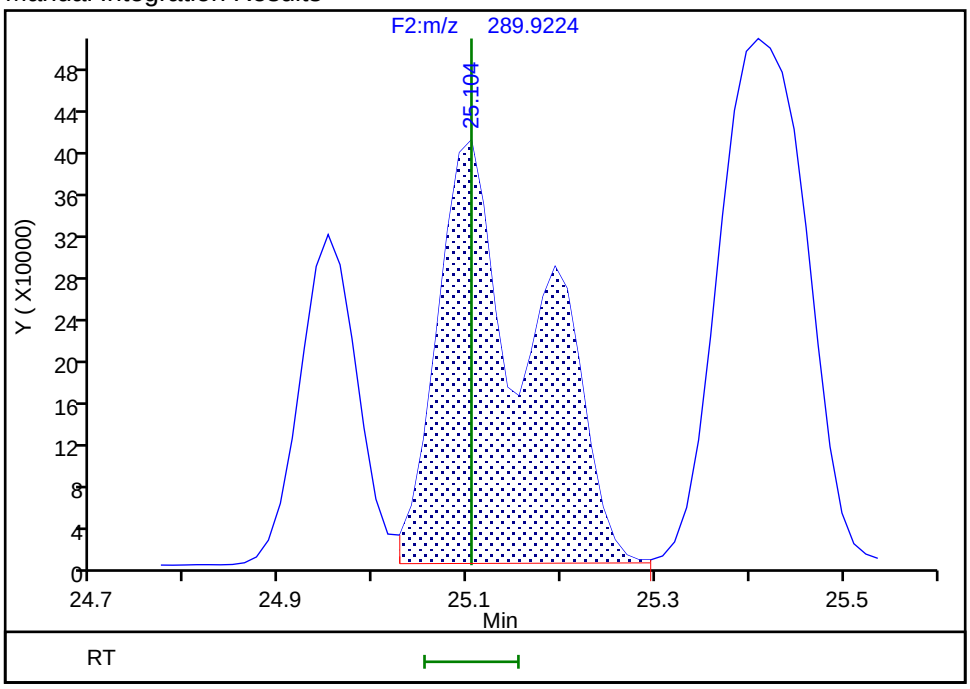
Processing Integration Results

RT: 25.10
Area: 1779618
Amount: 56.303907
Amount Units: pg/ul




Manual Integration Results

RT: 25.10
Area: 2907892
Amount: 91.196282
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:55:42
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

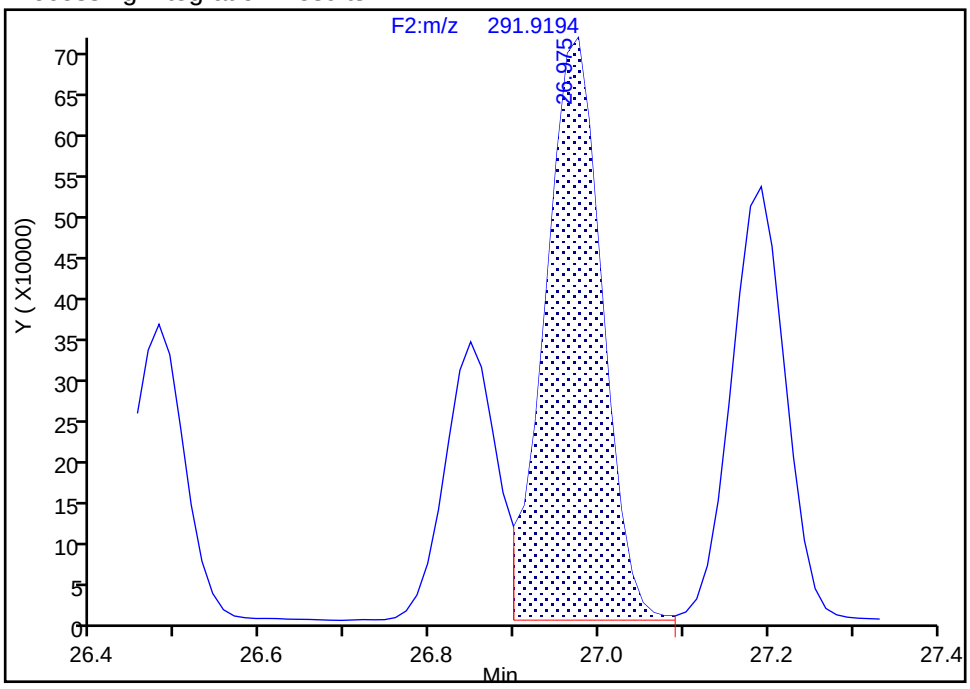
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

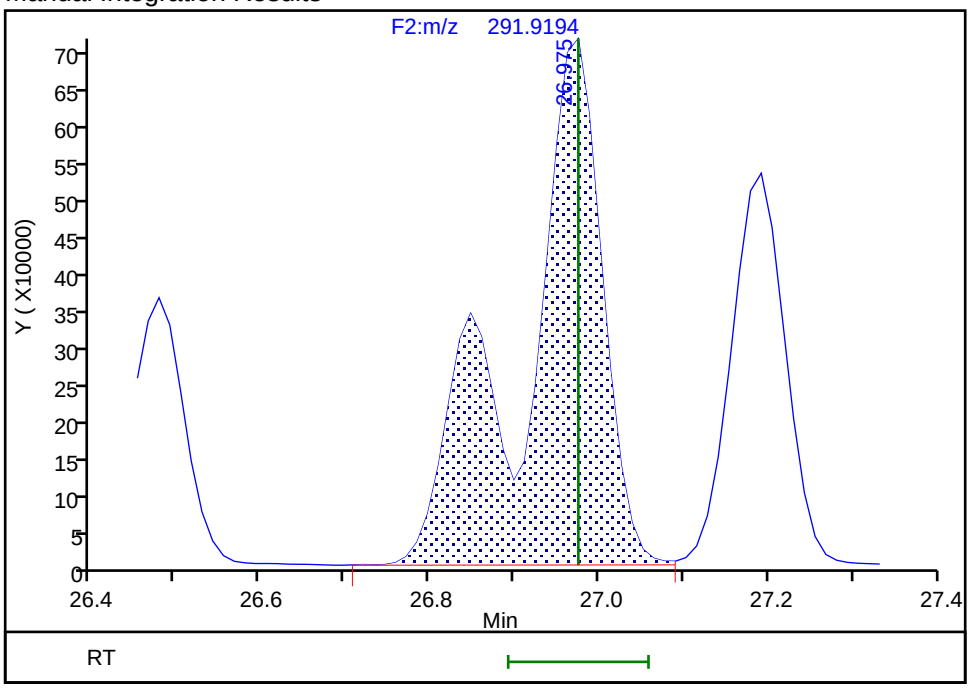
Processing Integration Results

RT: 26.98
Area: 3328494
Amount: 90.494117
Amount Units: pg/ul




Manual Integration Results

RT: 26.98
Area: 4764454
Amount: 129.5007
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:56:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

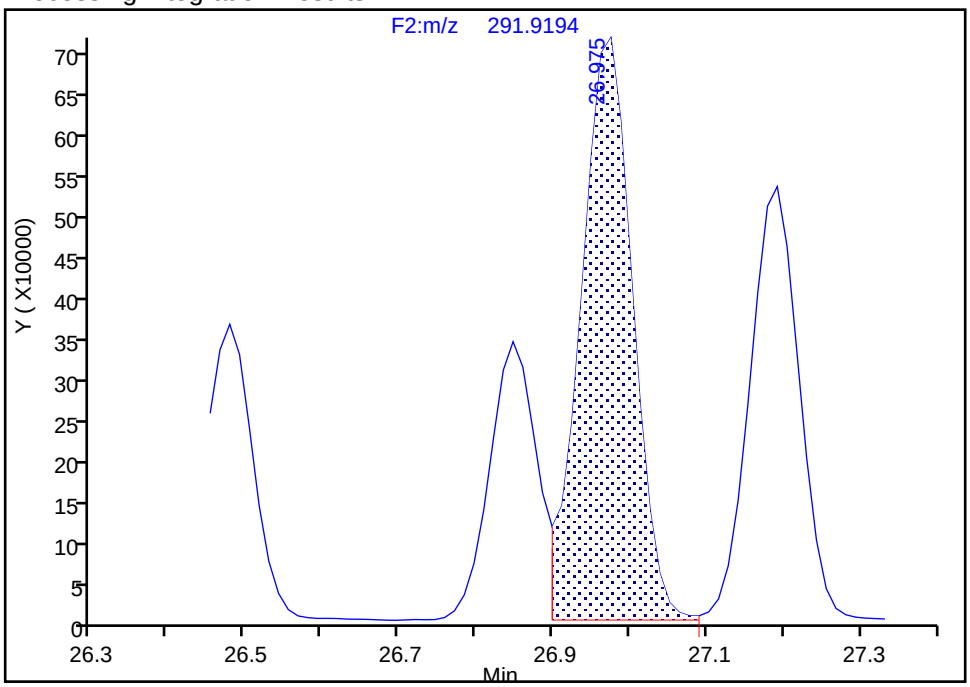
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 3

Processing Integration Results

RT: 26.98
Area: 6003535
Amount: 90.494117
Amount Units: pg/ul




Manual Integration Results

RT: 26.98
Area: 8591300
Amount: 129.5007
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:56:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

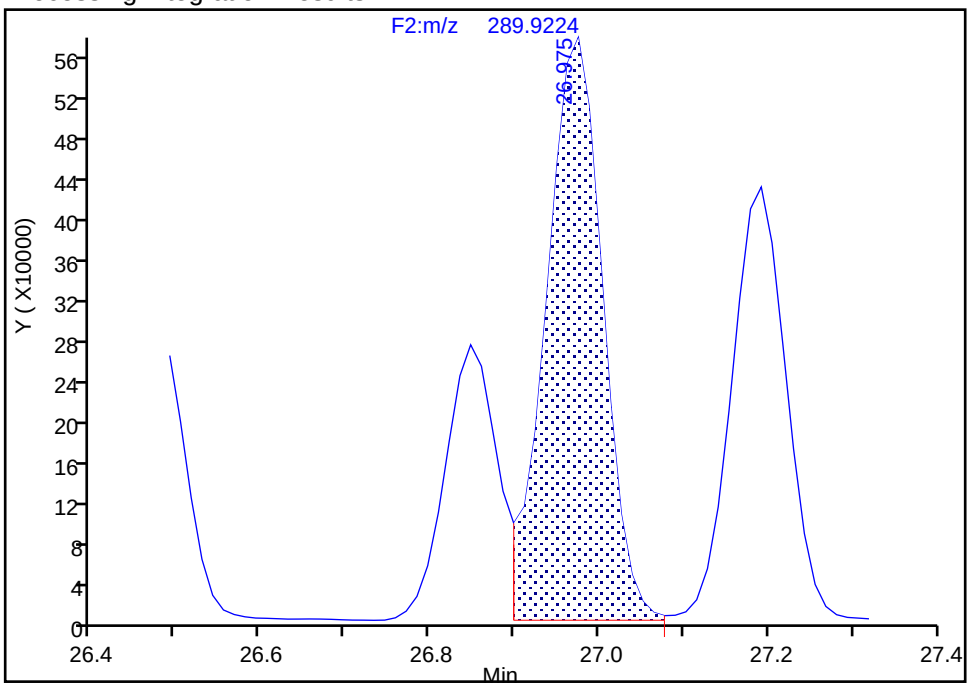
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

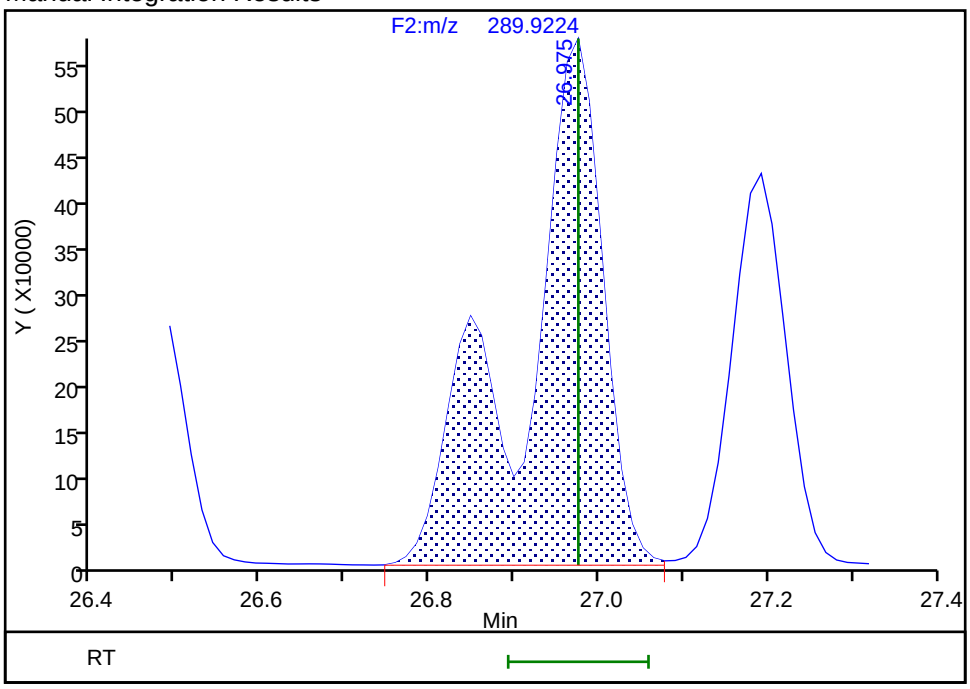
Processing Integration Results

RT: 26.98
Area: 2675041
Amount: 90.494117
Amount Units: pg/ul




Manual Integration Results

RT: 26.98
Area: 3826846
Amount: 129.5007
Amount Units: pg/ul



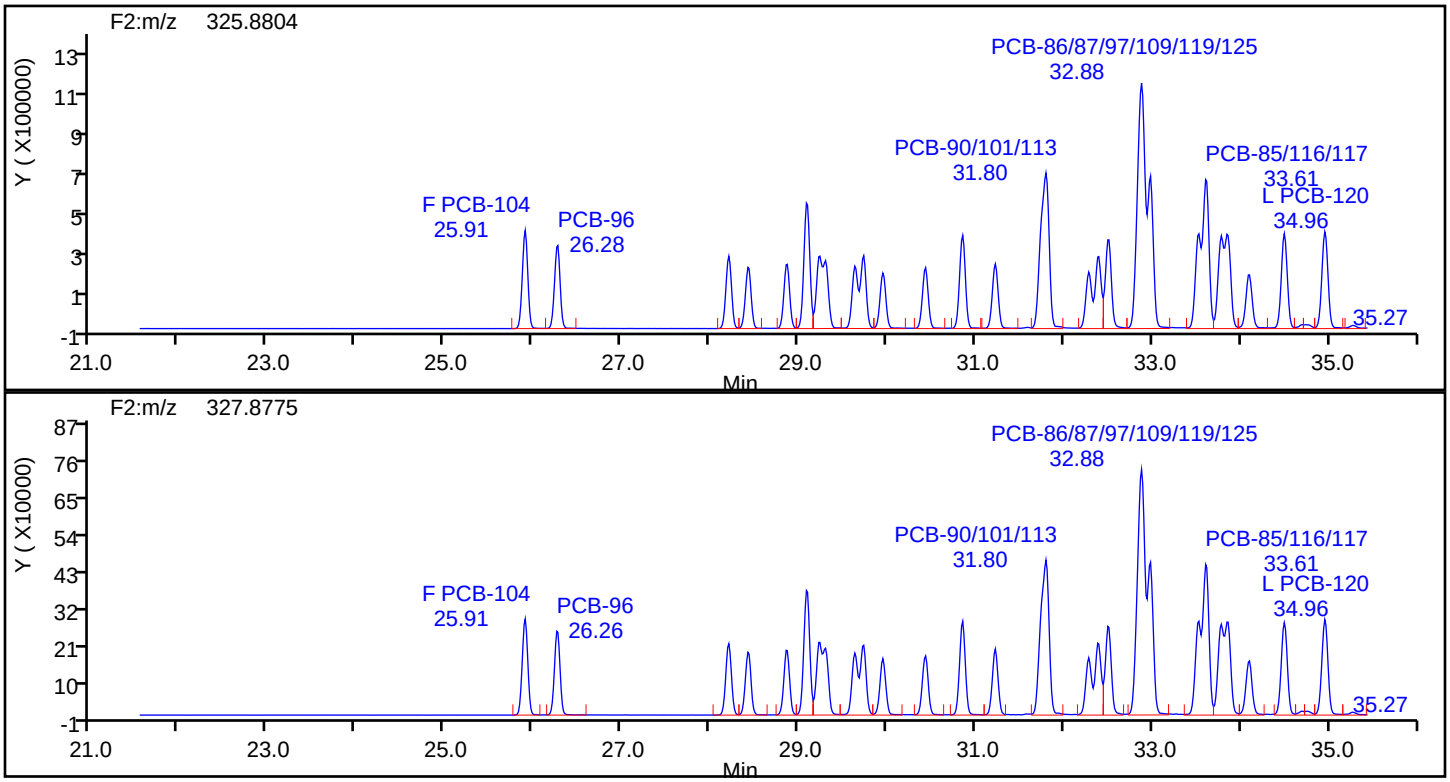

Reviewer: mcwhirterl, 10-Oct-2019 01:56:12

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

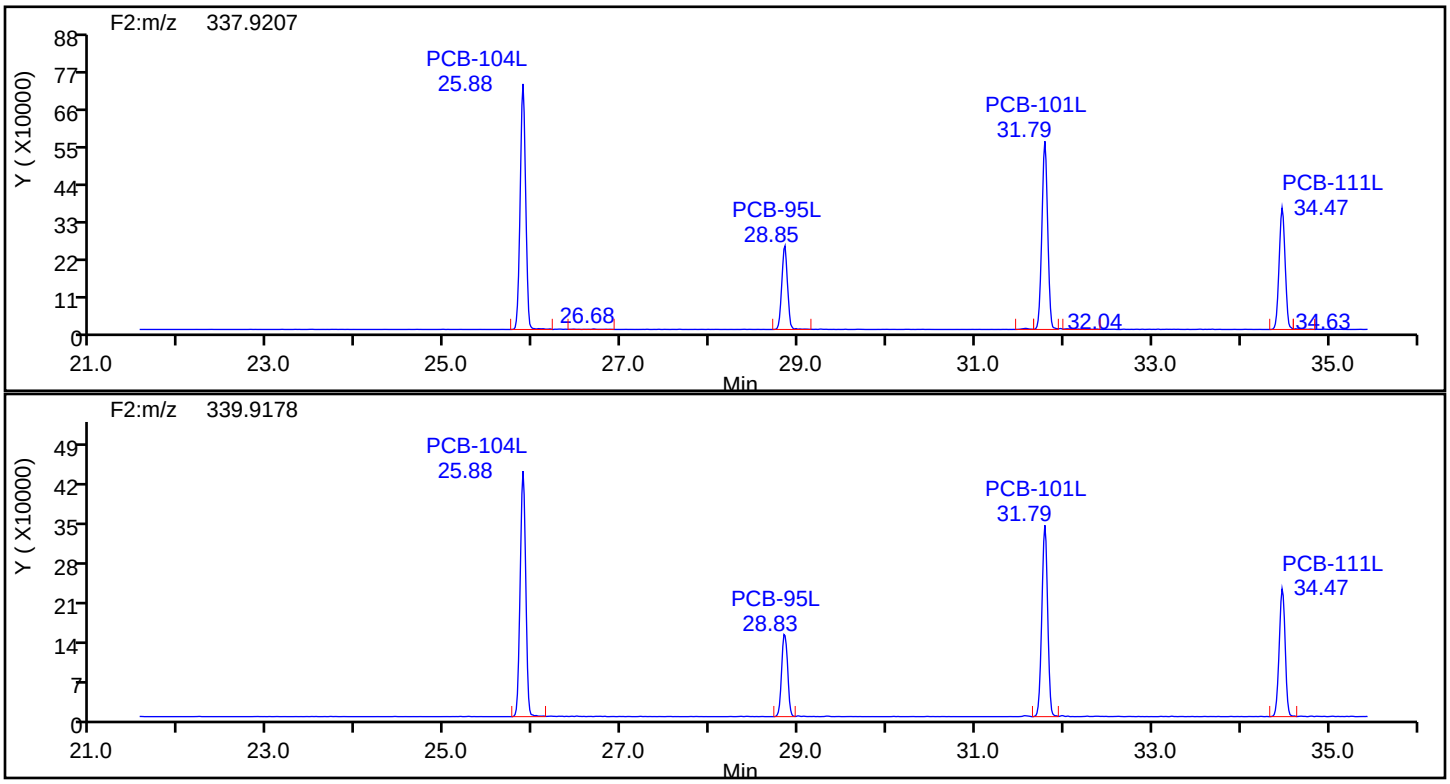
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



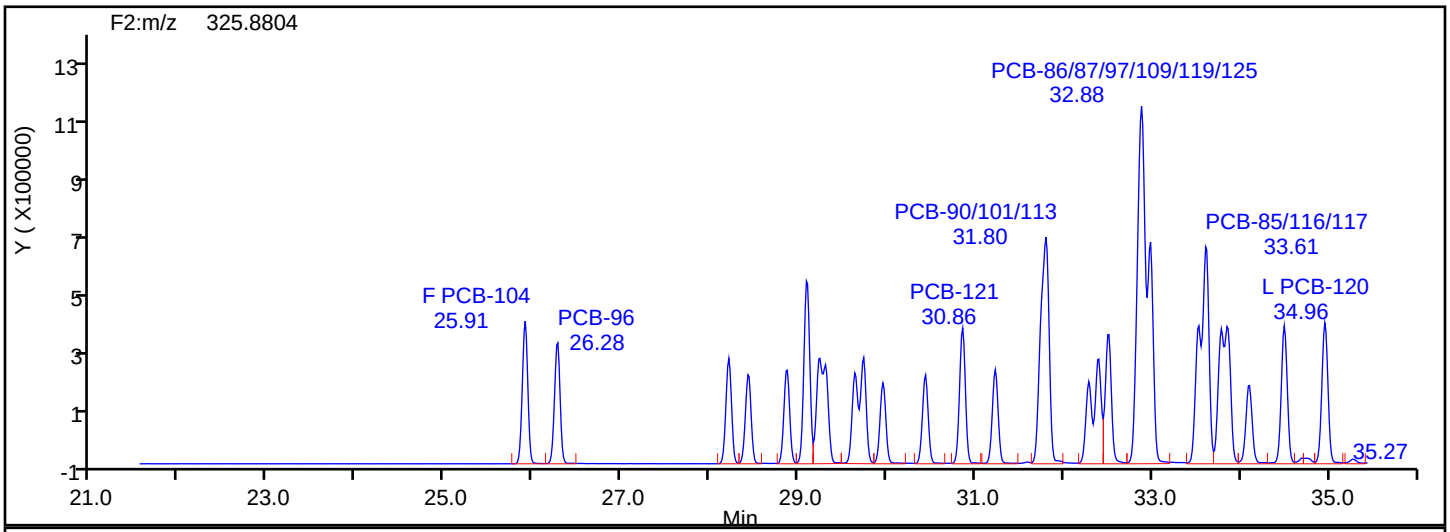

PePCB F2 Standards

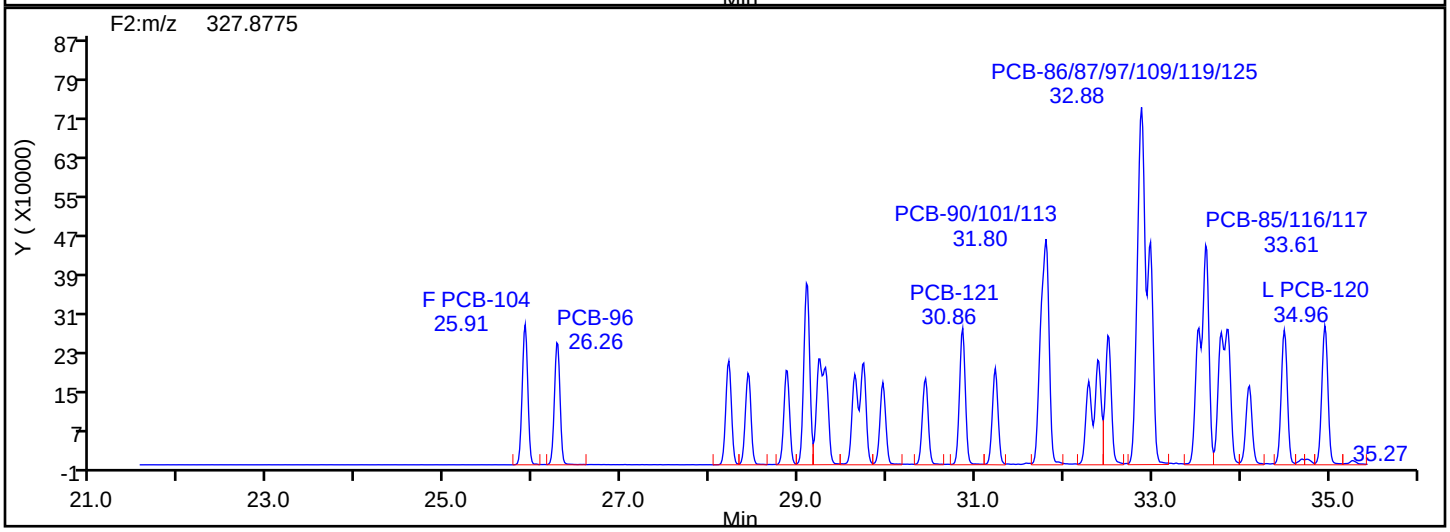


Eurofins TestAmerica, Knoxville

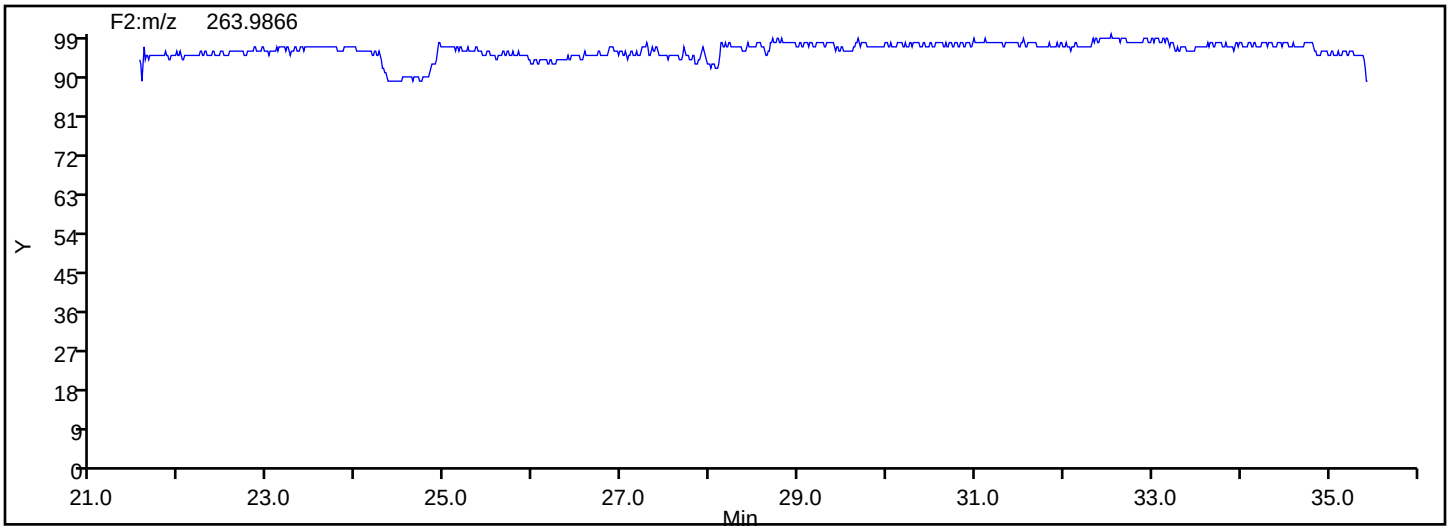
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

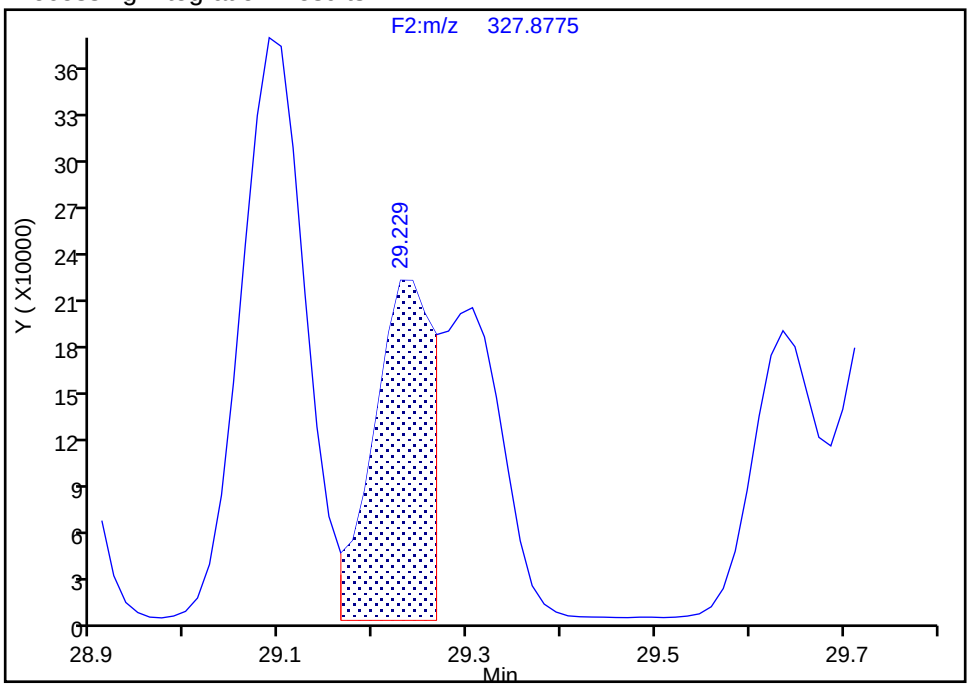
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 2

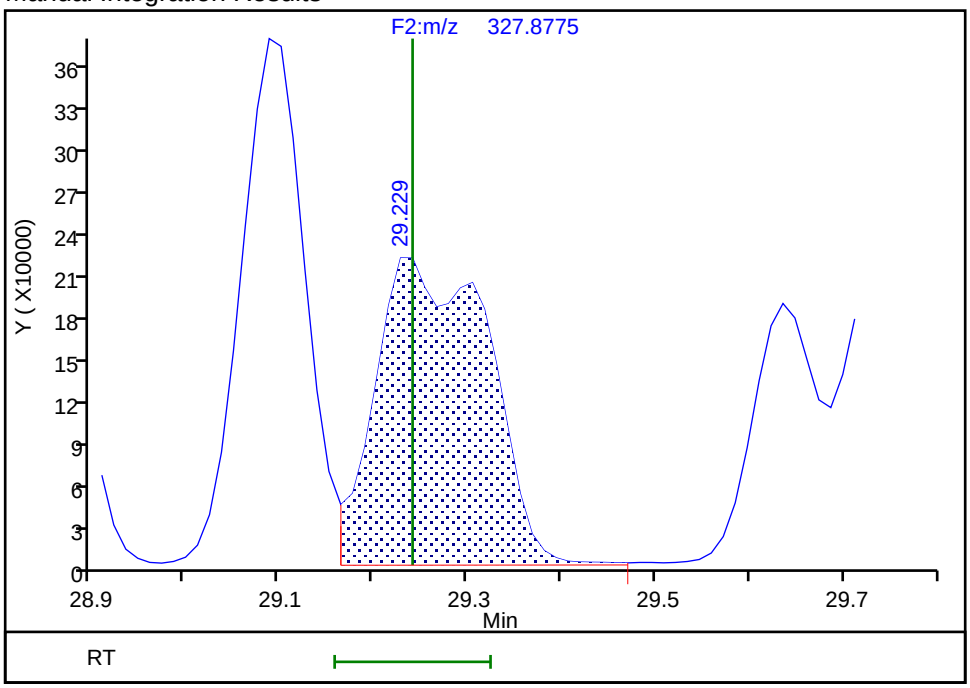
Processing Integration Results

RT: 29.23
Area: 908343
Amount: 51.230412
Amount Units: pg/ul




Manual Integration Results

RT: 29.23
Area: 1812287
Amount: 93.814289
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:56:49

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

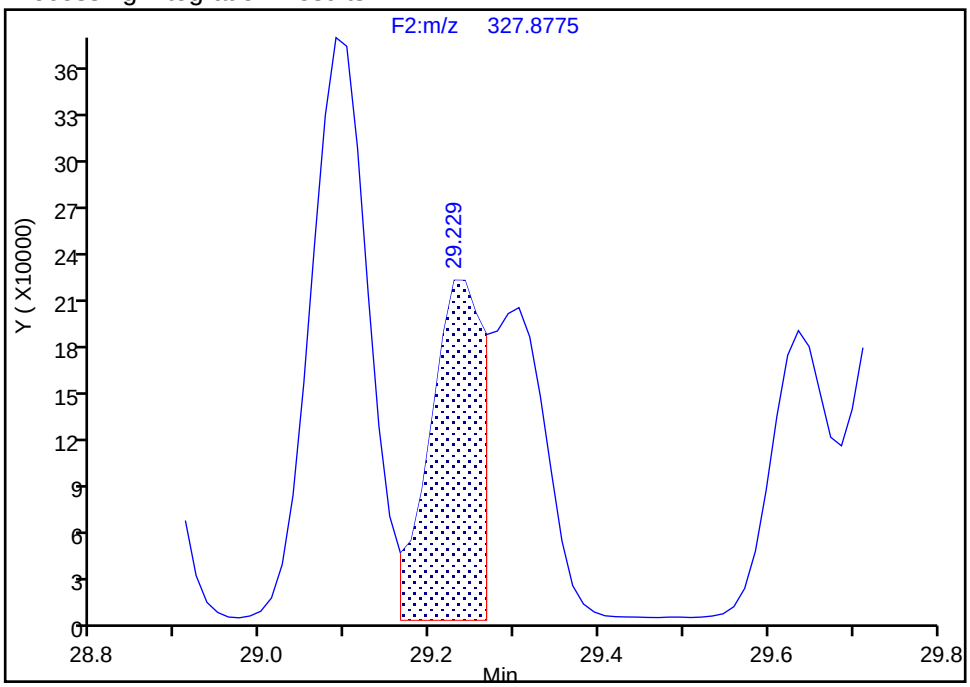
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 3

Processing Integration Results

RT: 29.24
Area: 2565249
Amount: 51.230412
Amount Units: pg/ul




Manual Integration Results

RT: 29.24
Area: 4697542
Amount: 93.814289
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:56:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

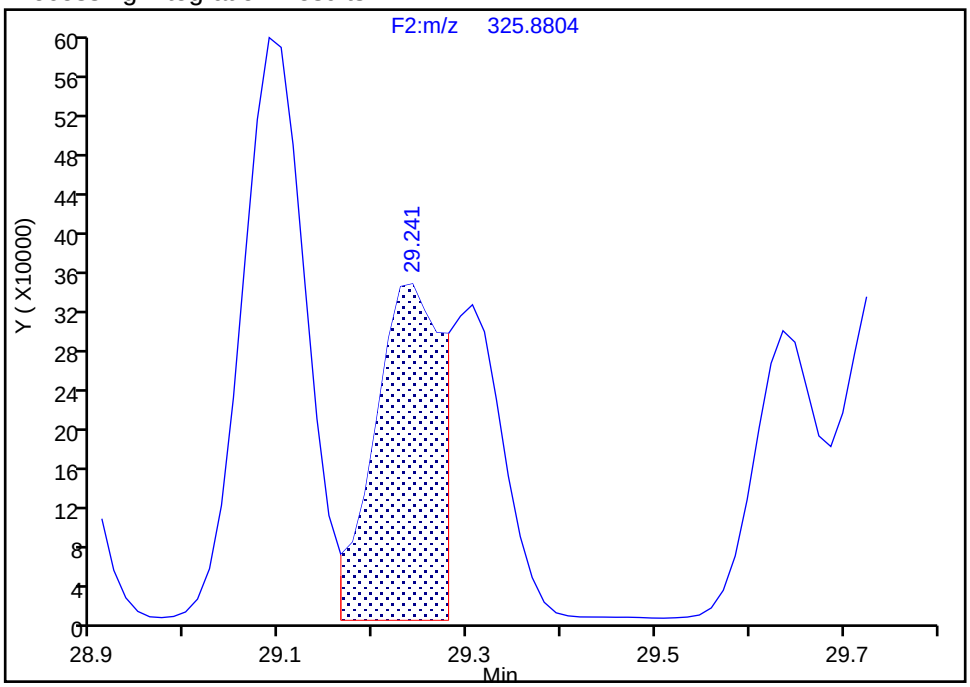
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

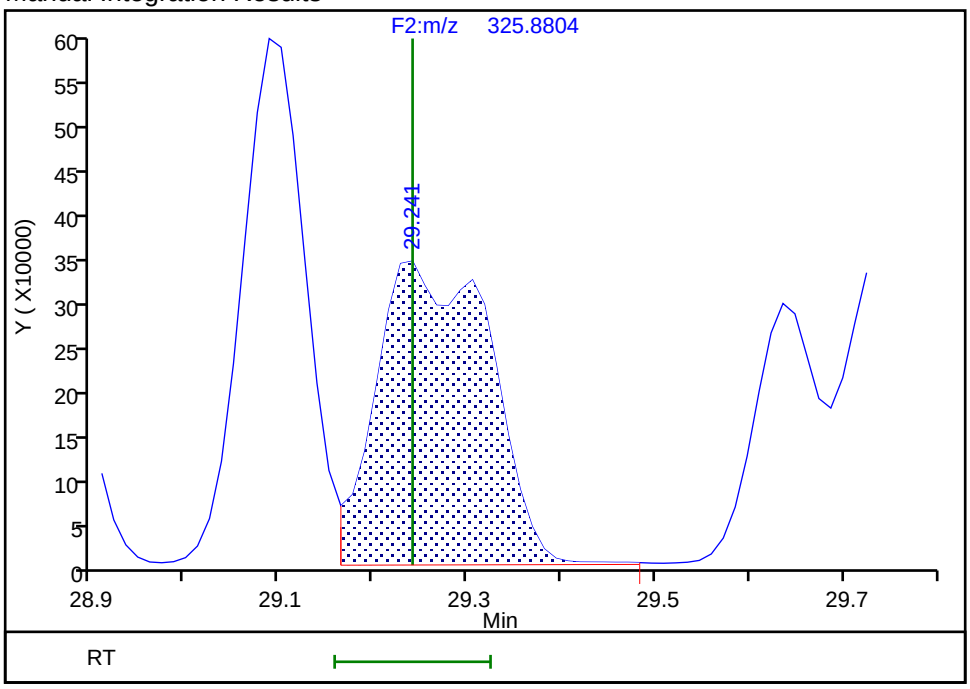
Processing Integration Results

RT: 29.24
Area: 1656906
Amount: 51.230412
Amount Units: pg/ul




Manual Integration Results

RT: 29.24
Area: 2885255
Amount: 93.814289
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:56:50
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

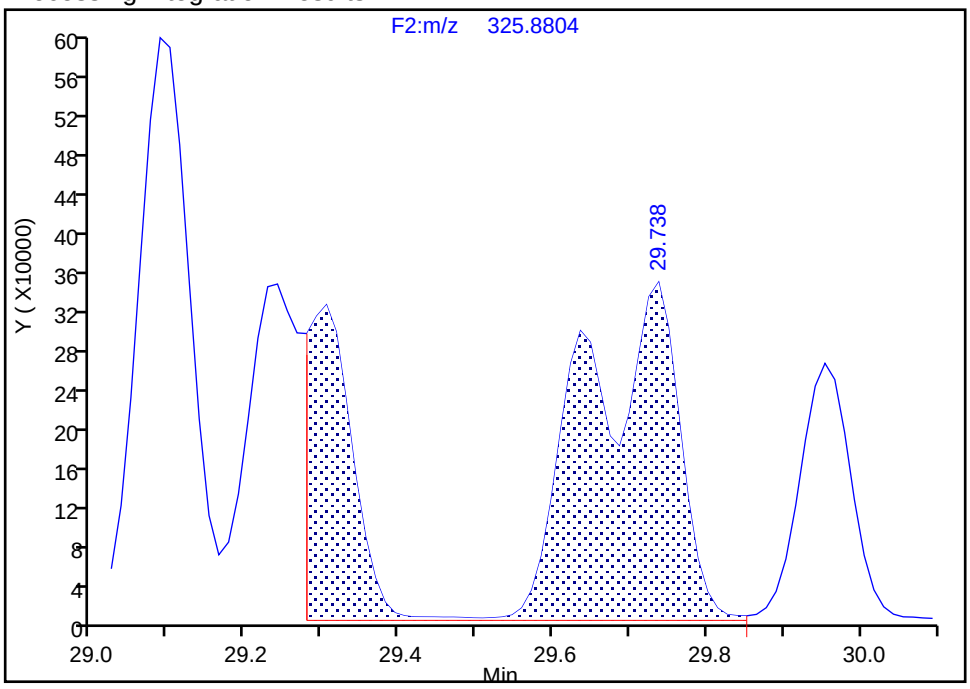
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

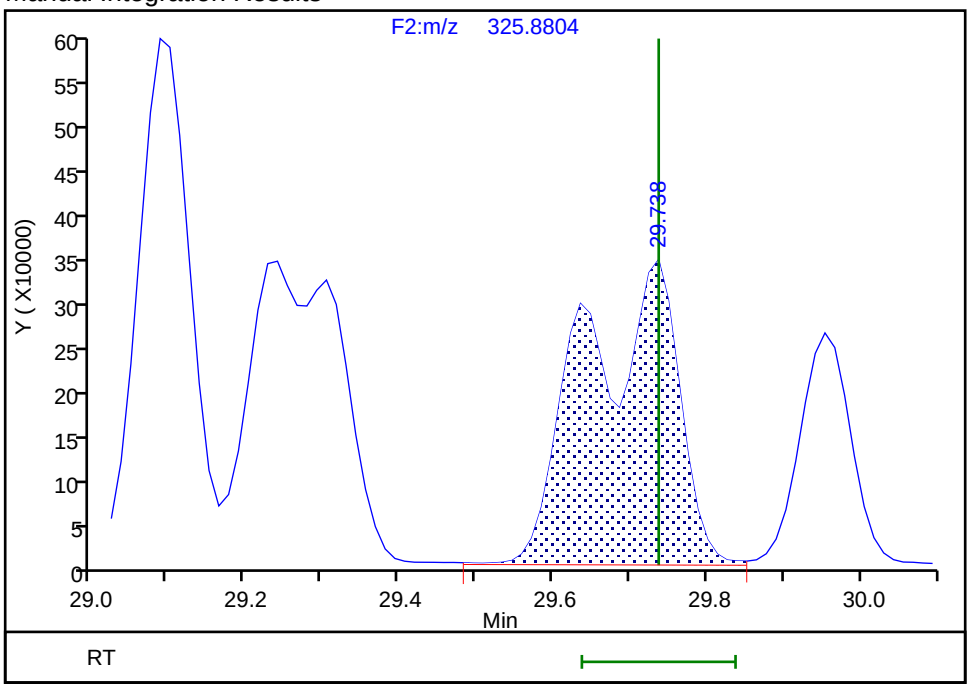
Processing Integration Results

RT: 29.74
Area: 4131323
Amount: 116.6744
Amount Units: pg/ul




Manual Integration Results

RT: 29.74
Area: 2885575
Amount: 92.201993
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:56:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

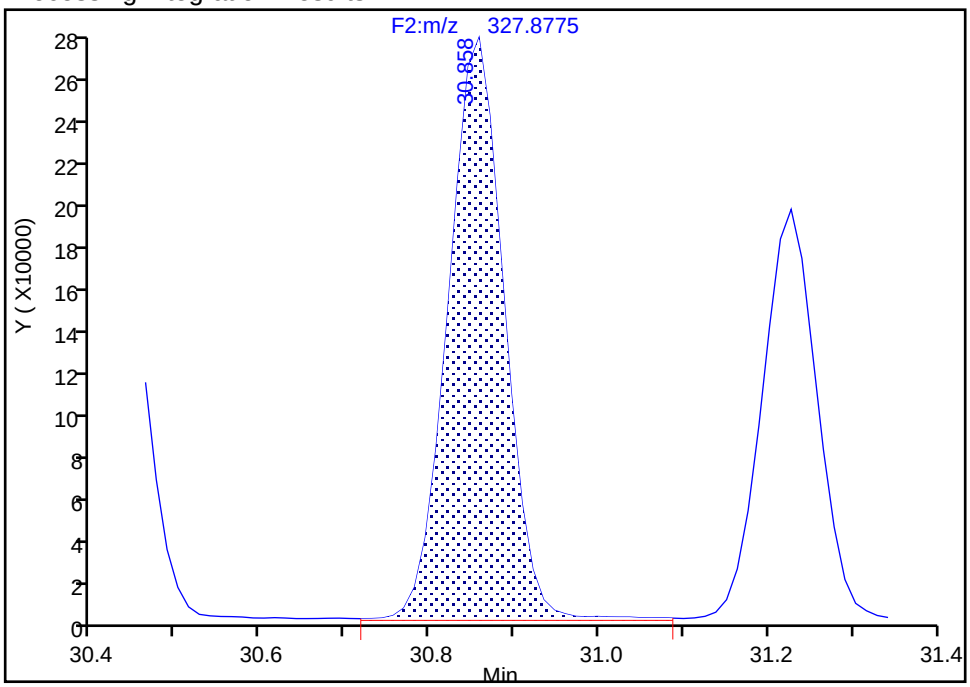
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-121, CAS: 56558-18-0

Signal: 2

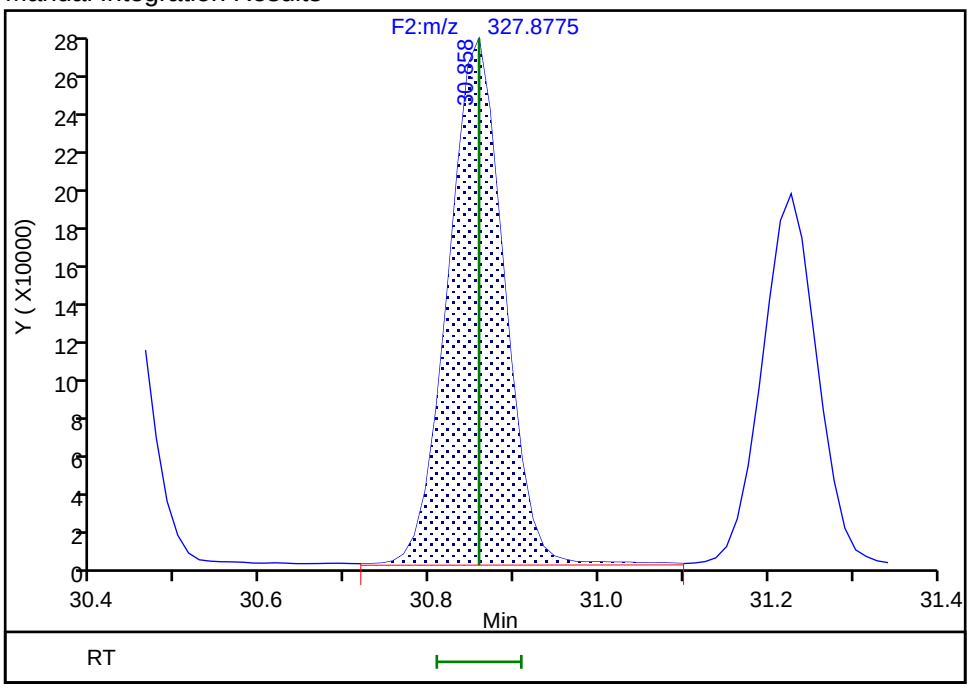
Processing Integration Results

RT: 30.86
Area: 1286758
Amount: 47.209392
Amount Units: pg/ul




Manual Integration Results

RT: 30.86
Area: 1285390
Amount: 47.190056
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:57:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

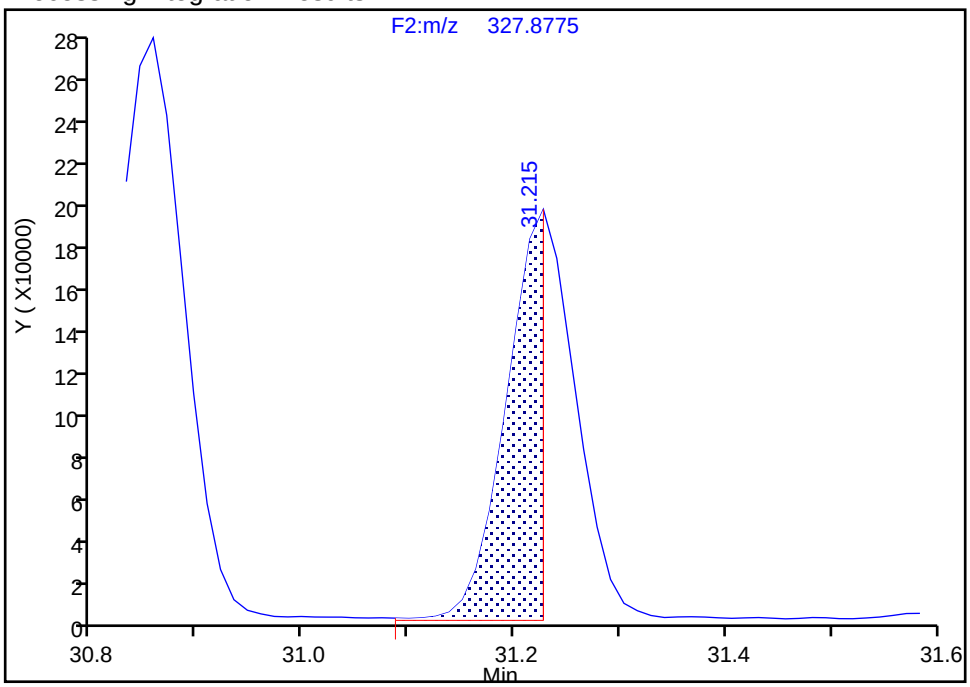
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 2

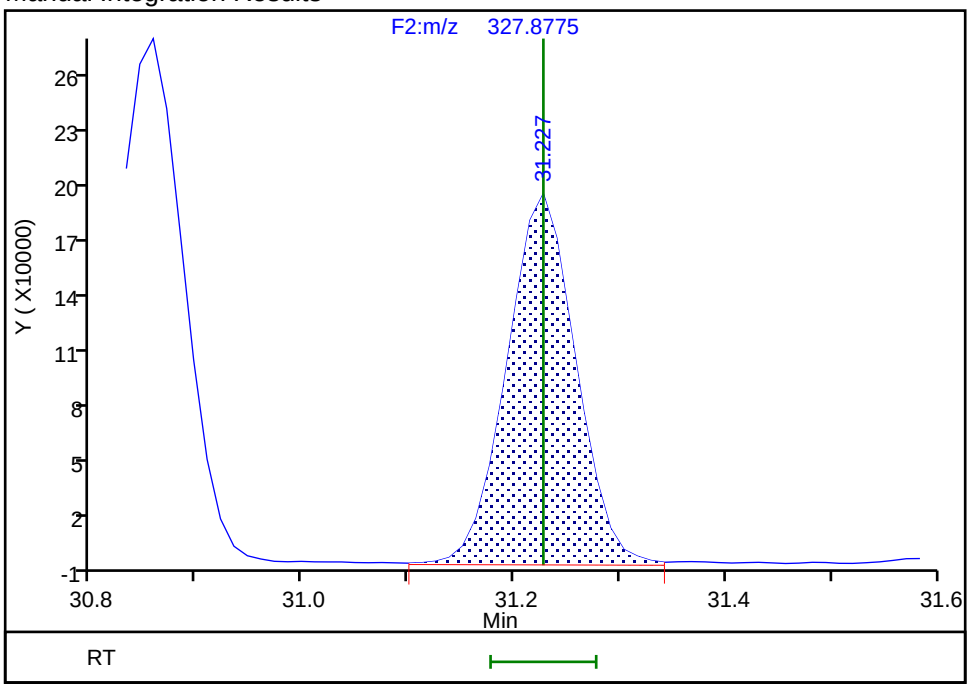
Processing Integration Results

RT: 31.21
Area: 466693
Amount: 39.340410
Amount Units: pg/ul




Manual Integration Results

RT: 31.23
Area: 894176
Amount: 48.196549
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:57:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

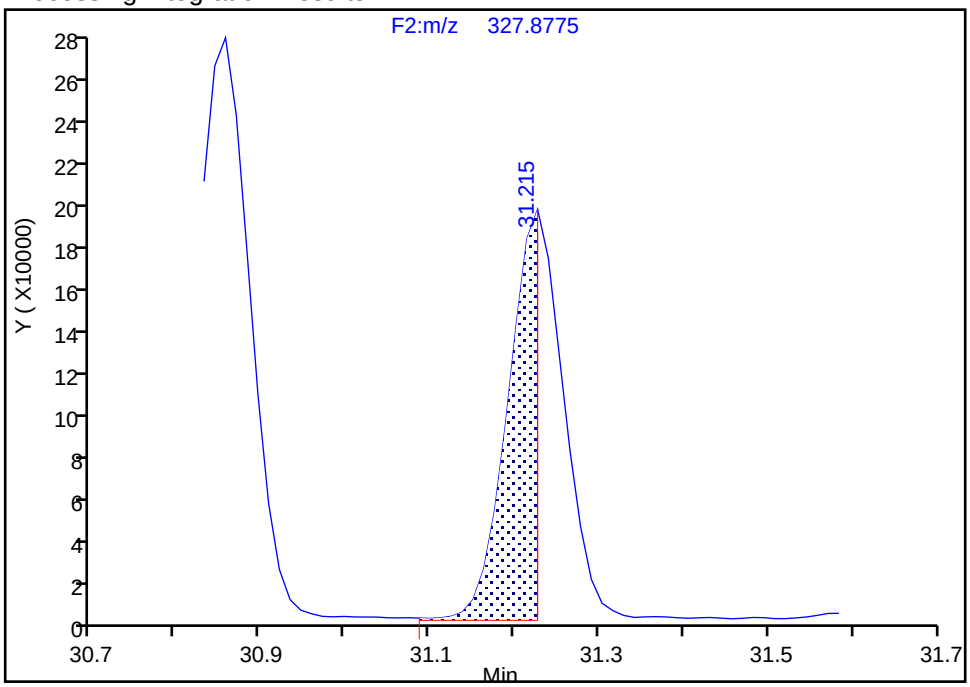
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 3

Processing Integration Results

RT: 31.23
Area: 1898949
Amount: 39.340410
Amount Units: pg/ul




Manual Integration Results

RT: 31.23
Area: 2326432
Amount: 48.196549
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:57:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

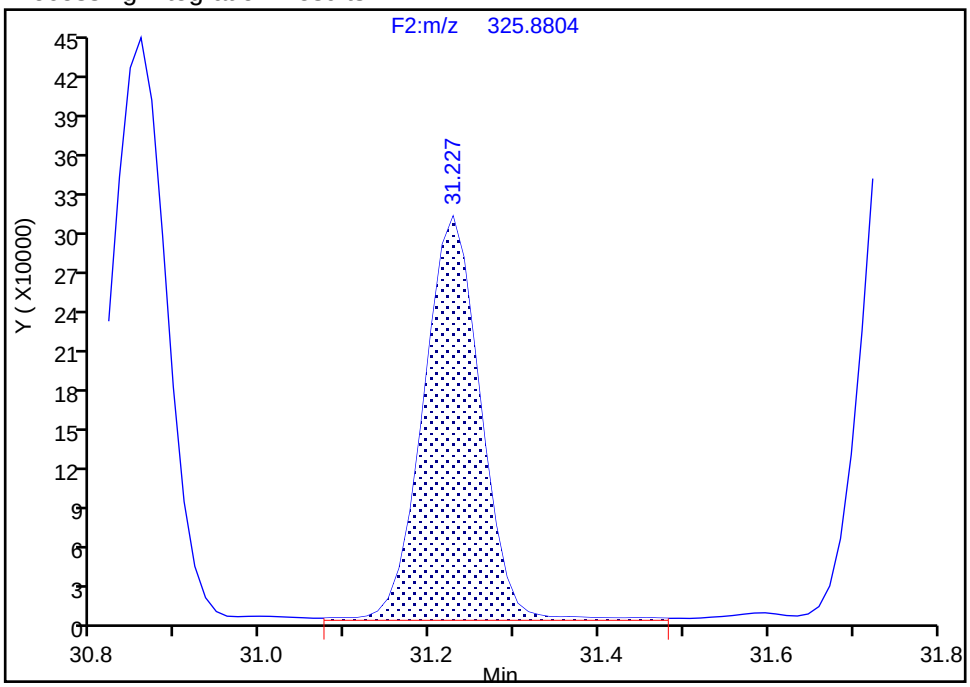
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 1

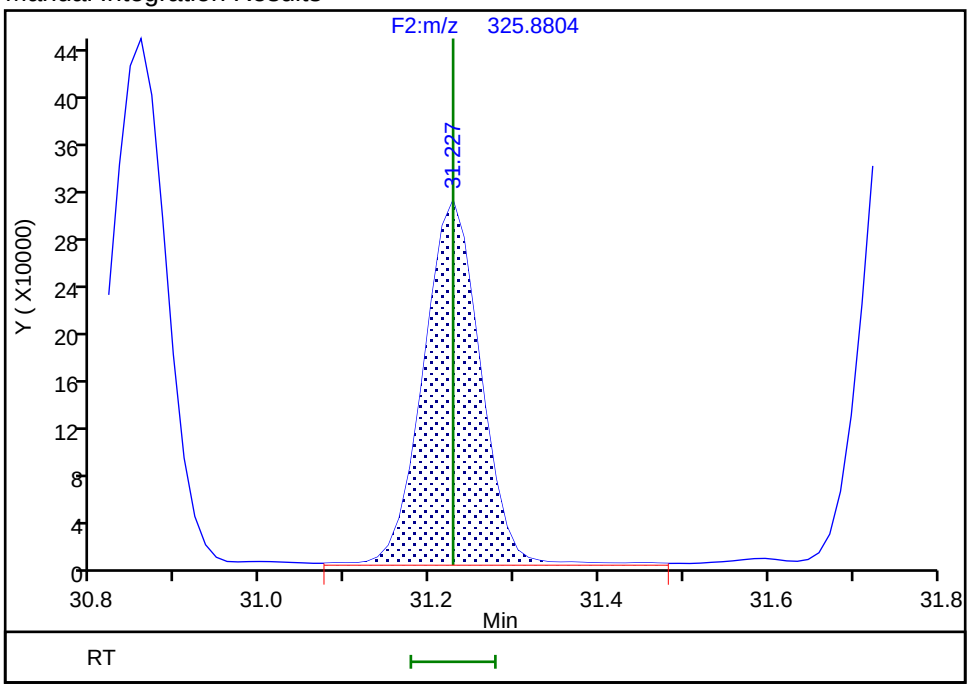
Processing Integration Results

RT: 31.23
Area: 1432256
Amount: 39.340410
Amount Units: pg/ul




Manual Integration Results

RT: 31.23
Area: 1432256
Amount: 48.196549
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:57:03
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

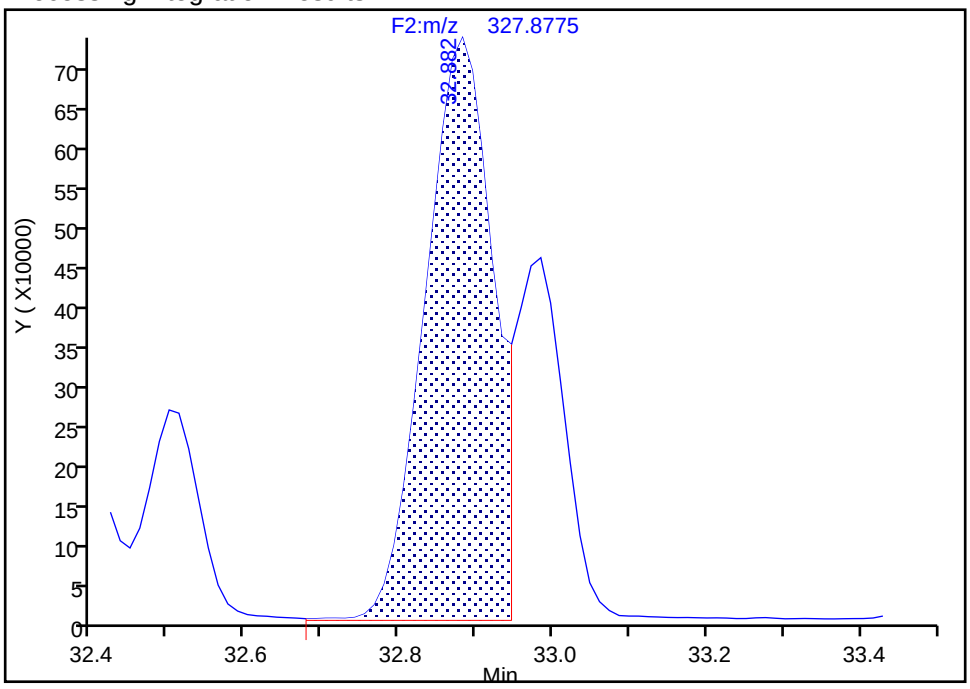
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

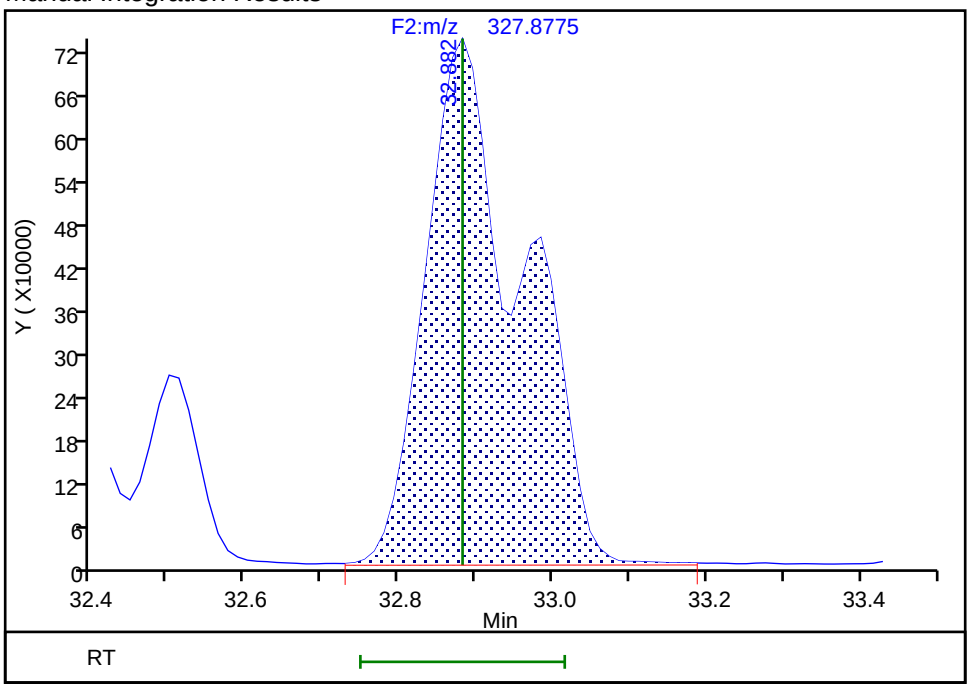
Processing Integration Results

RT: 32.88
Area: 4440680
Amount: 189.7489
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 6401440
Amount: 273.5837
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:57:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

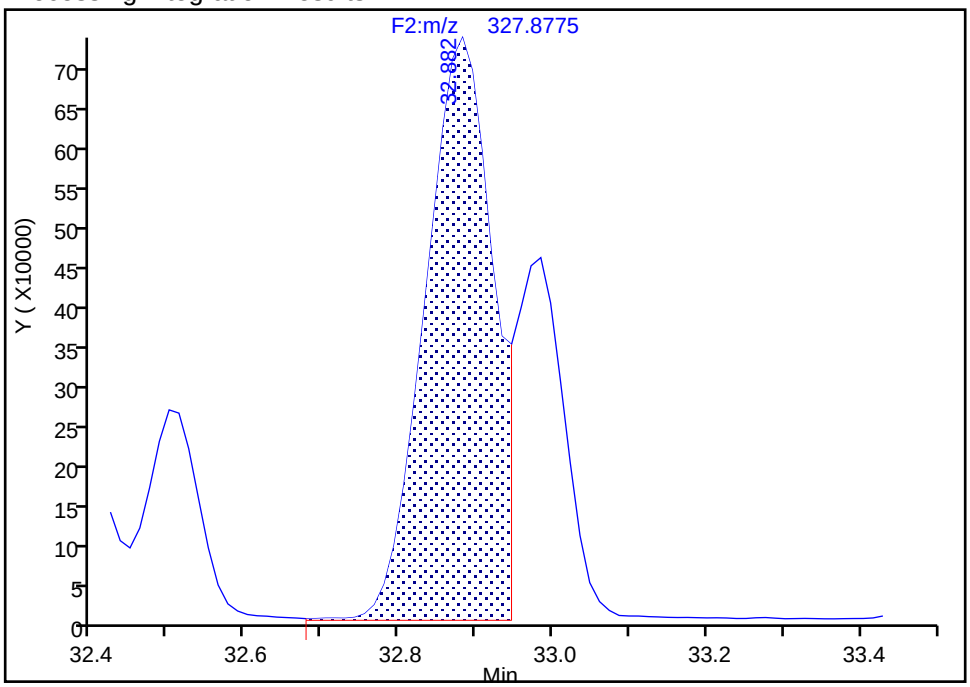
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.88
Area: 11489920
Amount: 189.7489
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 16566388
Amount: 273.5837
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:57:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

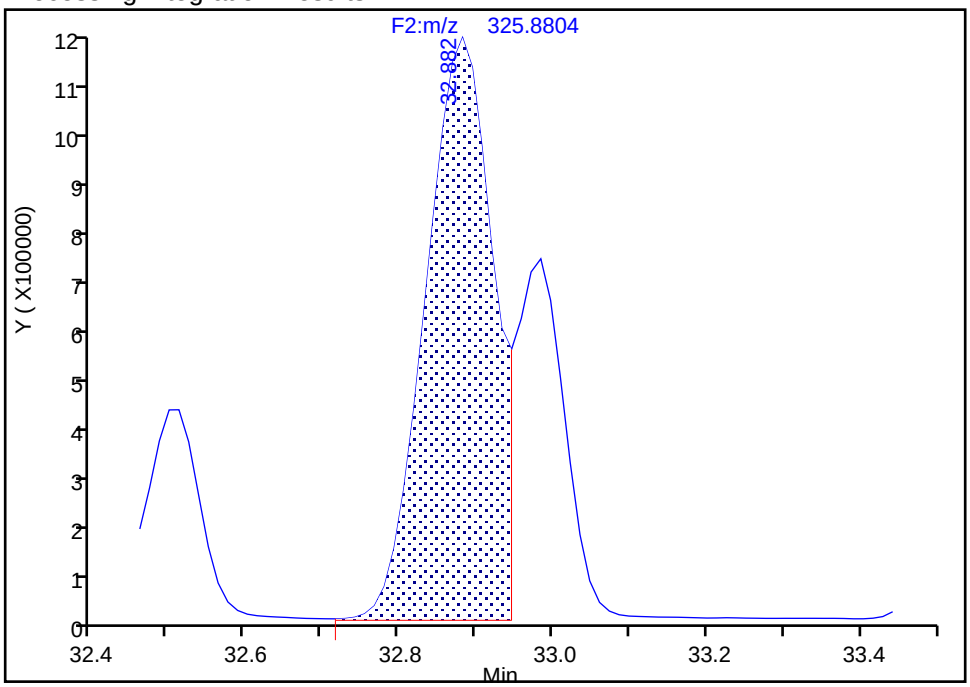
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

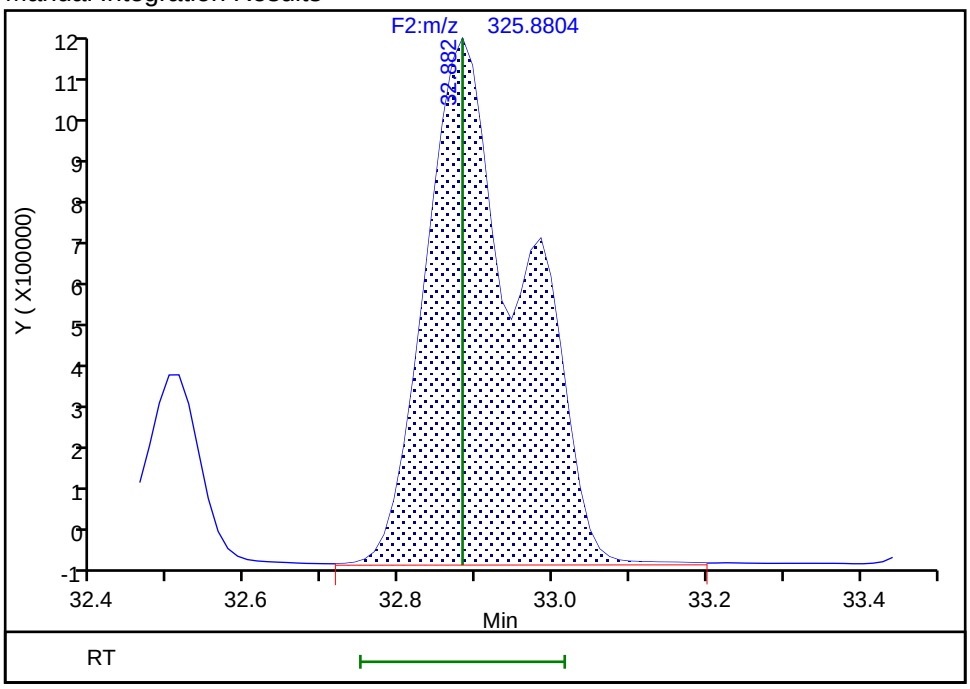
Processing Integration Results

RT: 32.88
Area: 7049240
Amount: 189.7489
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 10164948
Amount: 273.5837
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:57:22

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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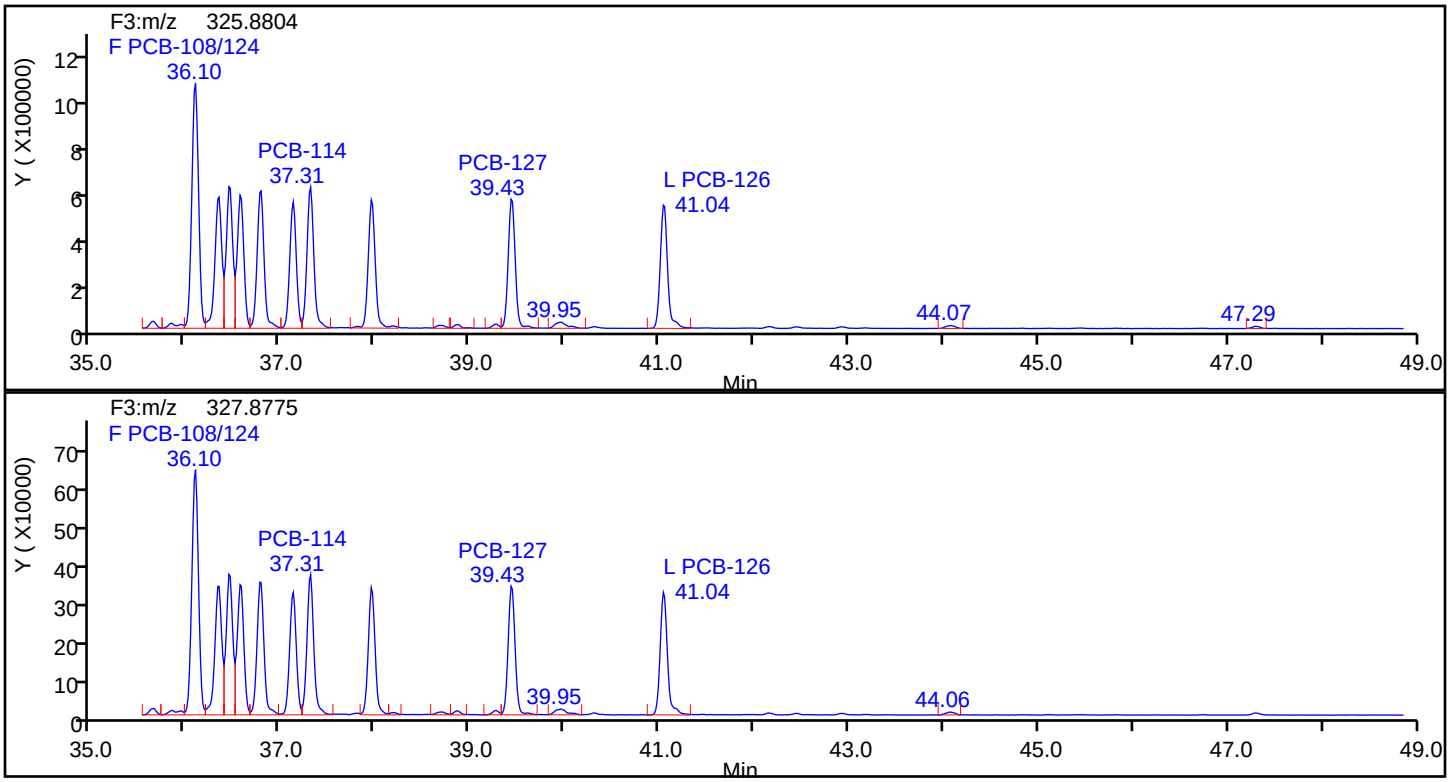
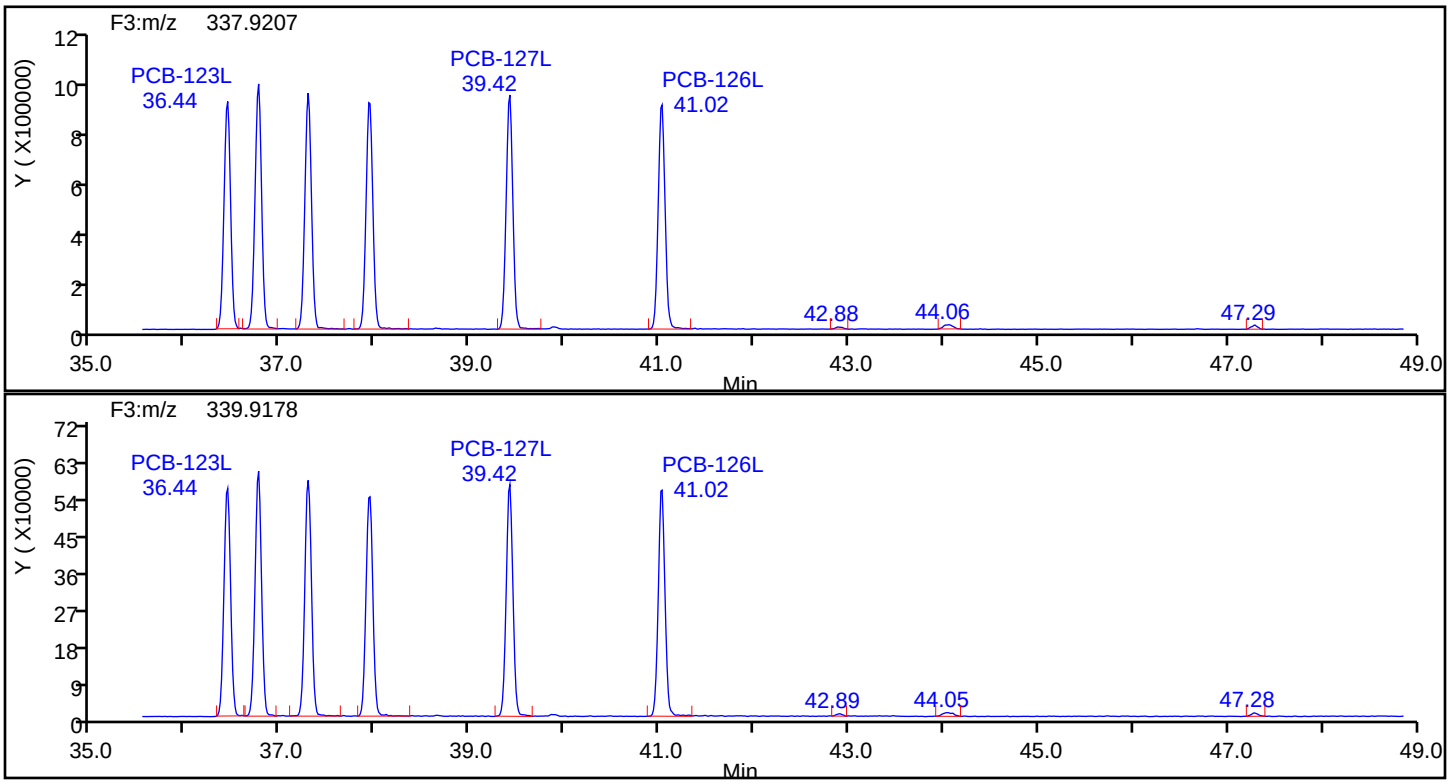
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



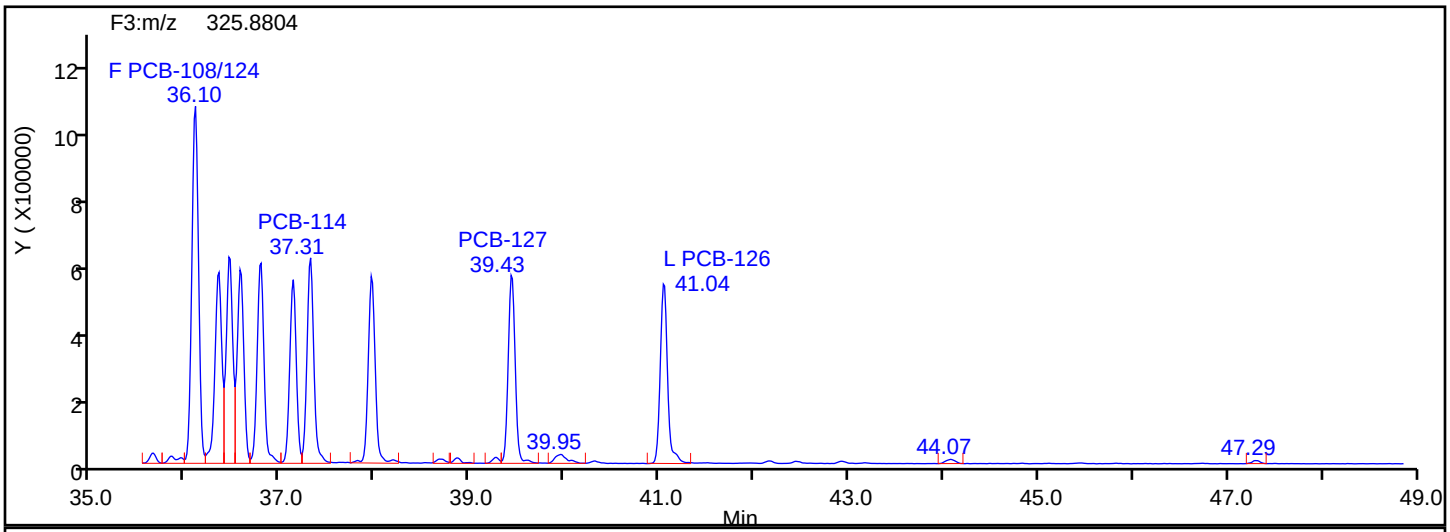

PePCB F3 Standards

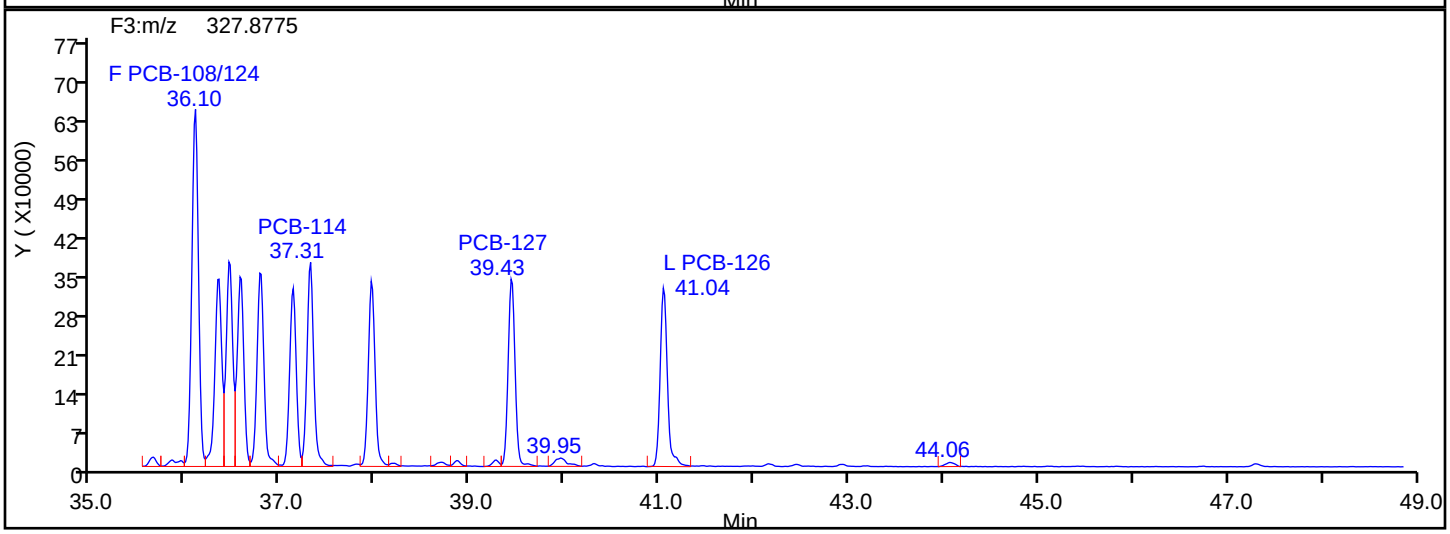


Eurofins TestAmerica, Knoxville

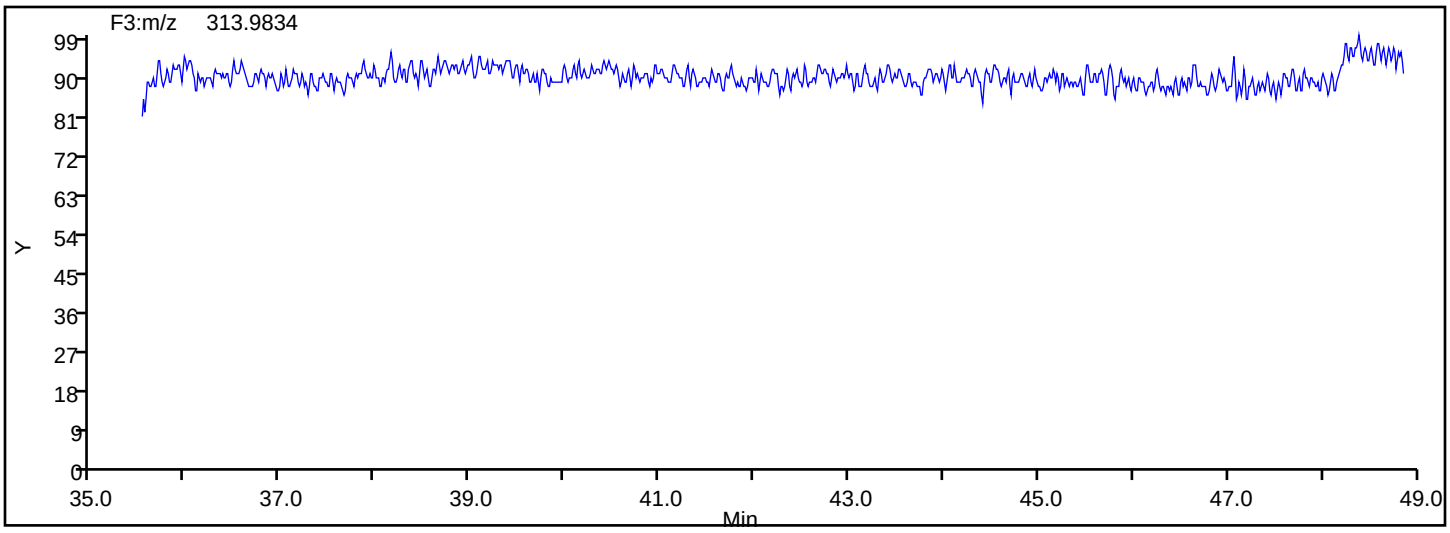
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



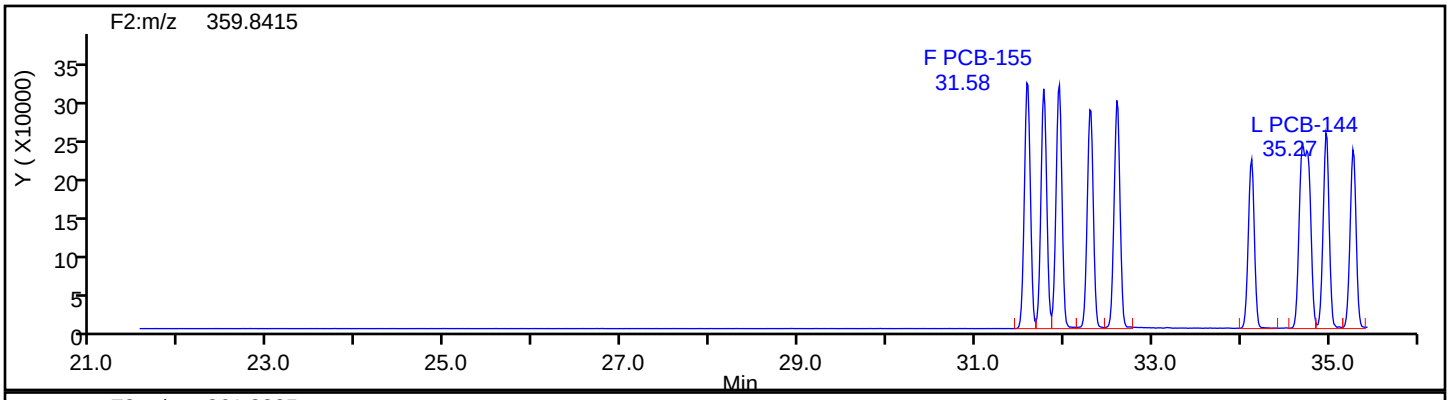

PePCB F3 Lock Mass

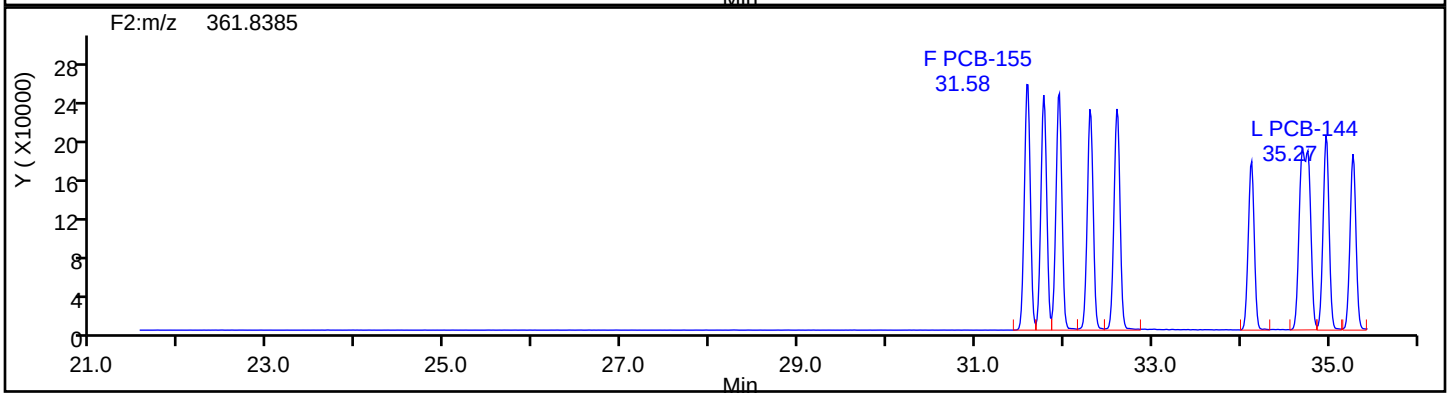


Eurofins TestAmerica, Knoxville

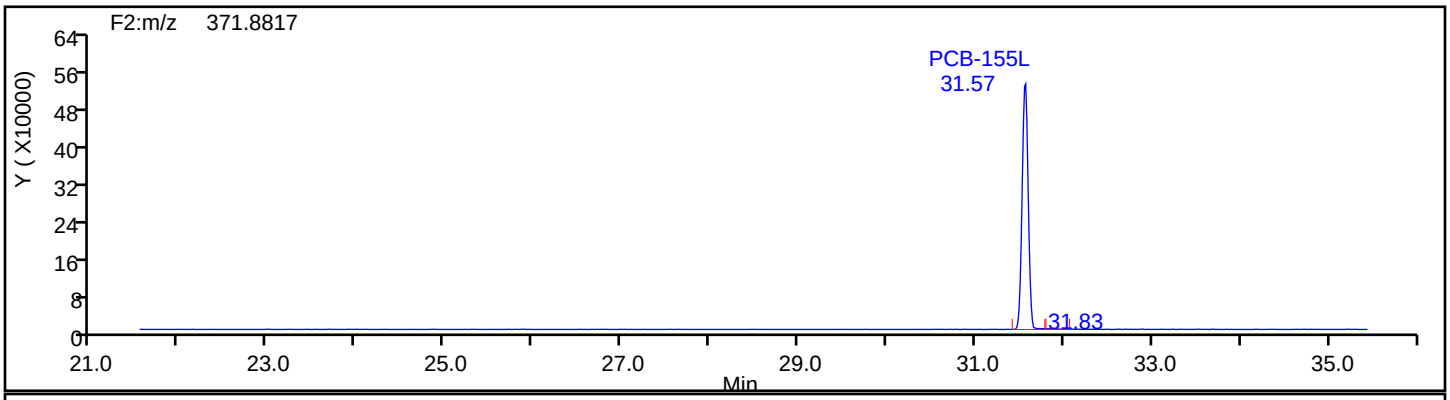
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

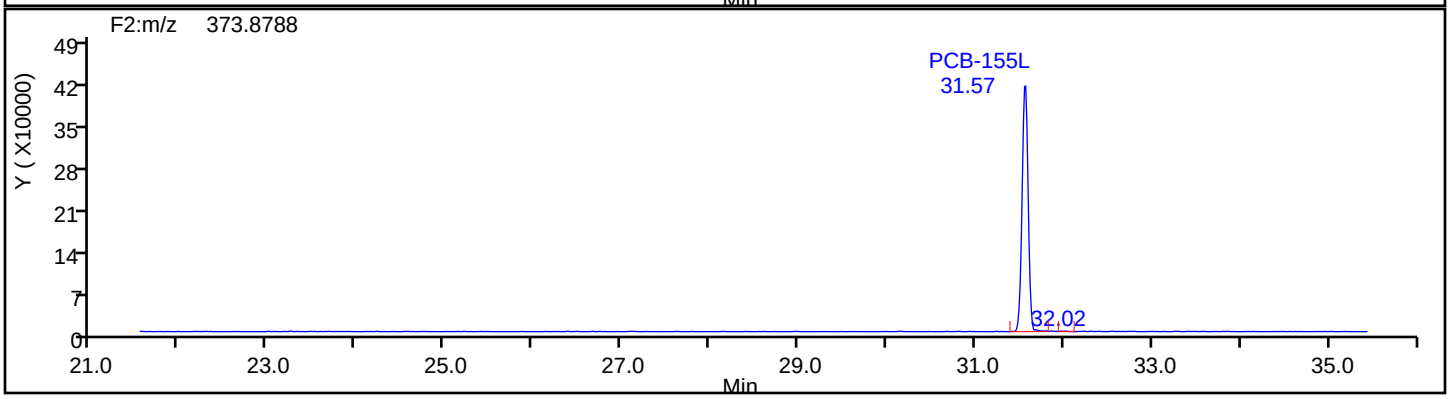
HxPCB F2




HxPCB F2 Standards

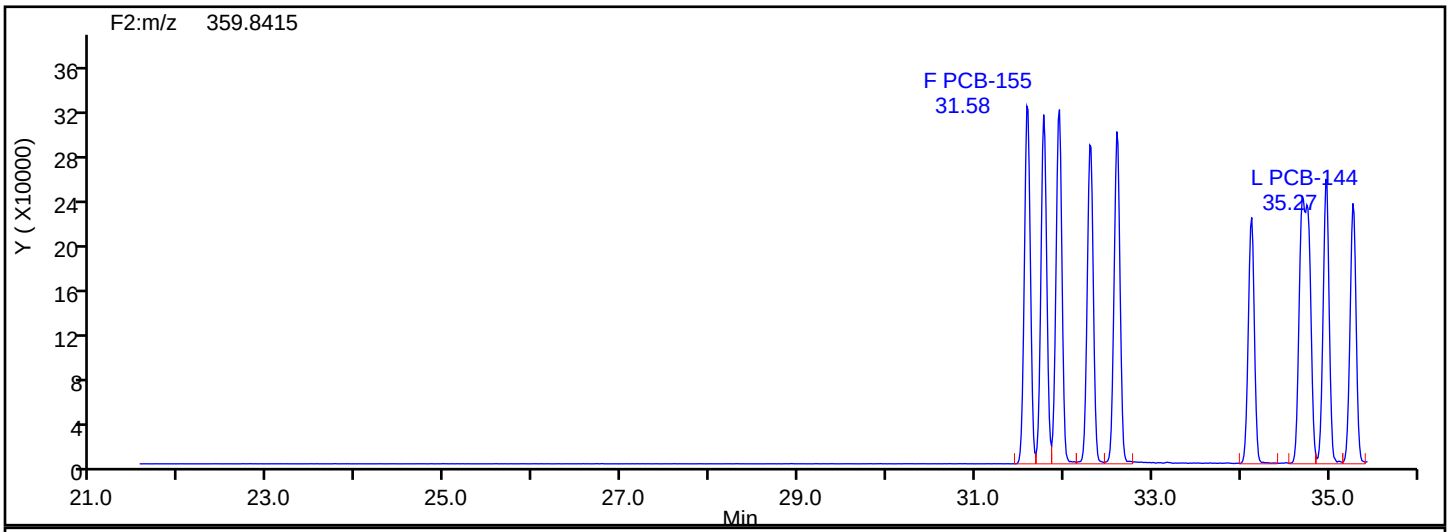


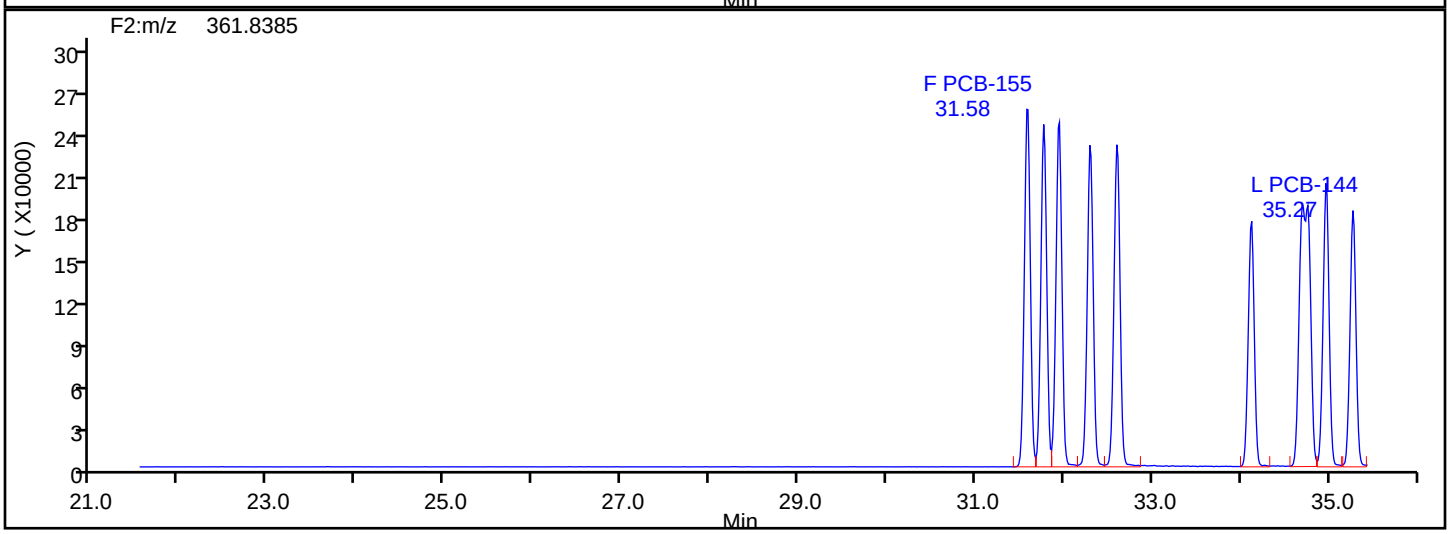



Eurofins TestAmerica, Knoxville

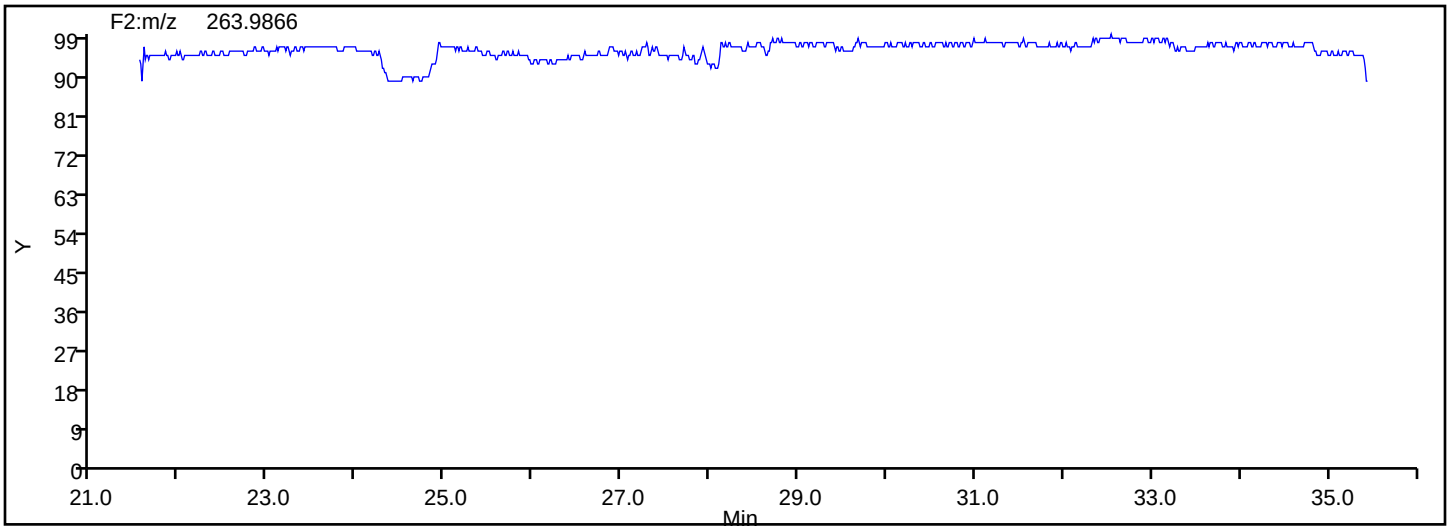
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

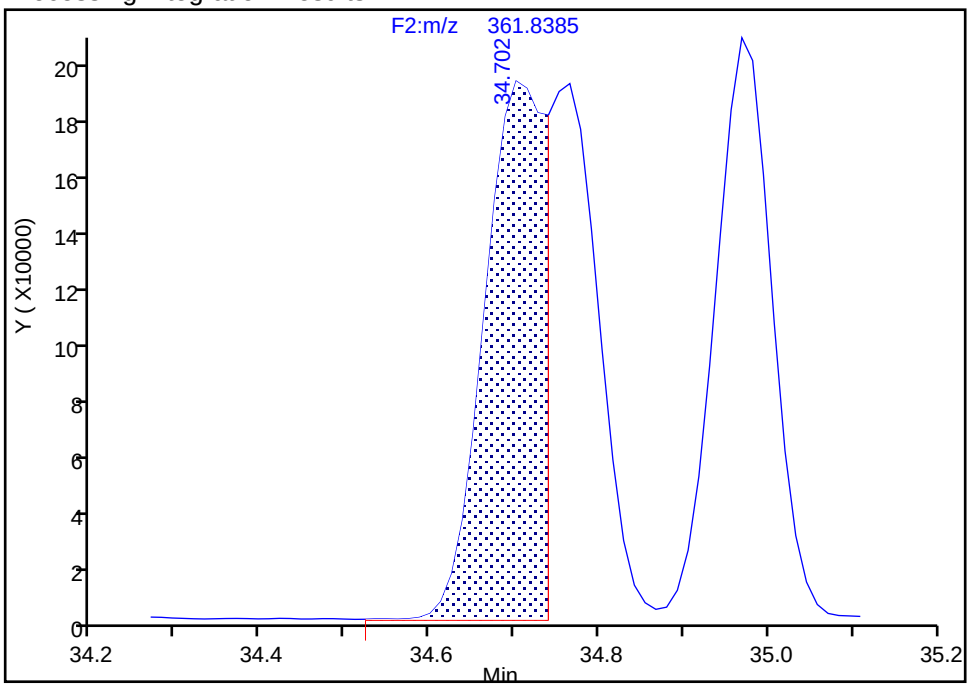
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

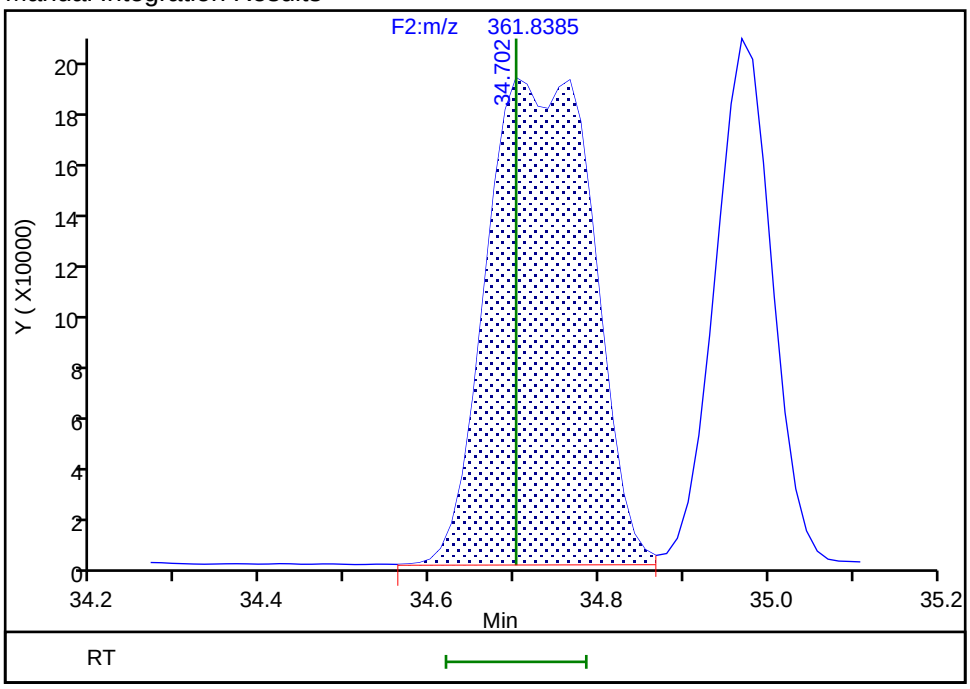
Processing Integration Results

RT: 34.70
Area: 911753
Amount: 76.162429
Amount Units: pg/ul




Manual Integration Results

RT: 34.70
Area: 1644078
Amount: 94.787173
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:57:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

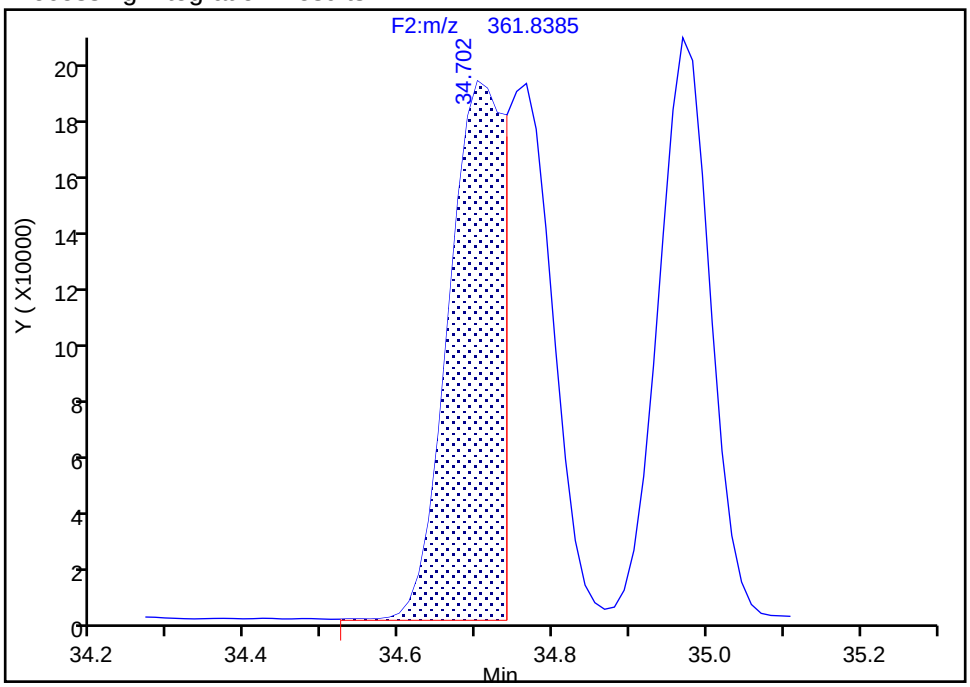
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.70
Area: 2994707
Amount: 76.162429
Amount Units: pg/ul




Manual Integration Results

RT: 34.70
Area: 3727032
Amount: 94.787173
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:57:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

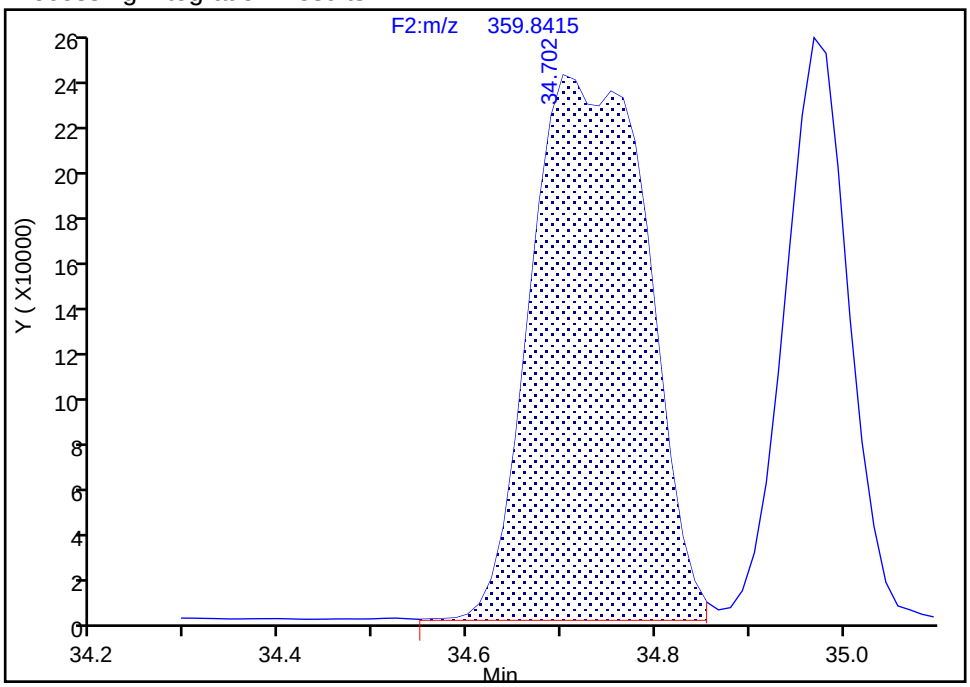
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

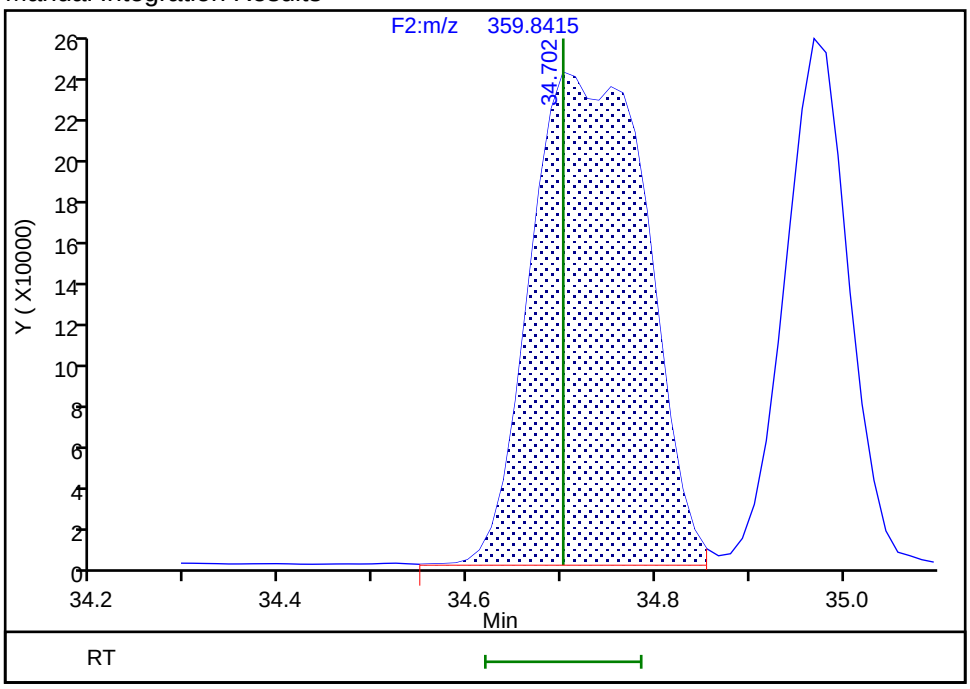
Processing Integration Results

RT: 34.70
Area: 2082954
Amount: 76.162429
Amount Units: pg/ul




Manual Integration Results

RT: 34.70
Area: 2082954
Amount: 94.787173
Amount Units: pg/ul



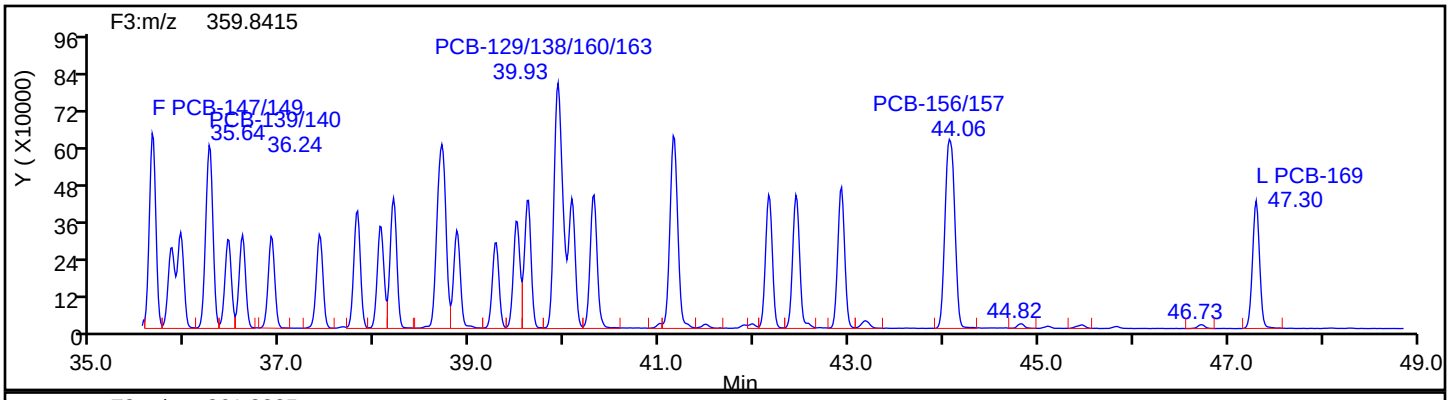

Reviewer: mcwhirterl, 10-Oct-2019 01:57:47

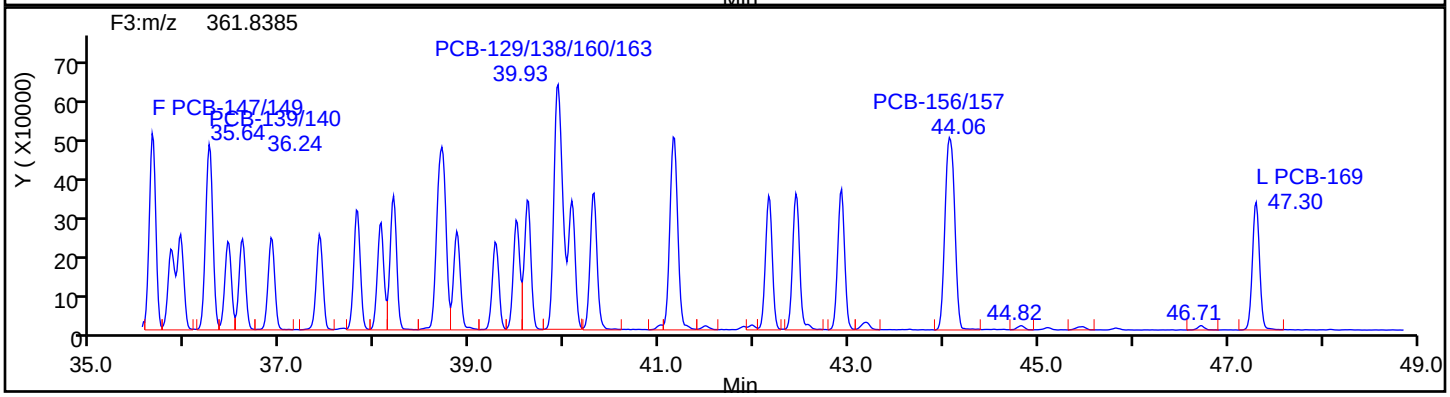
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

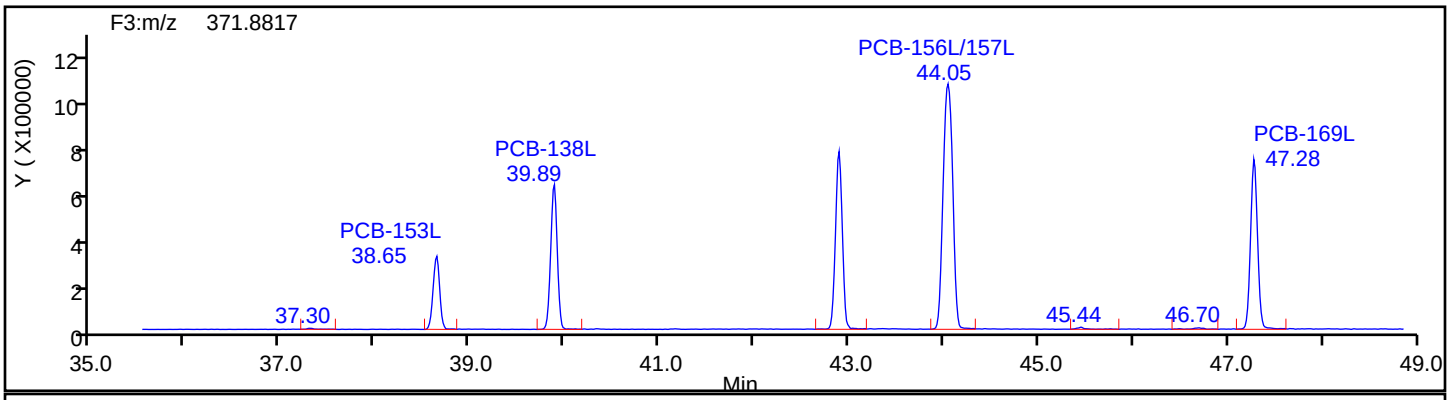
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

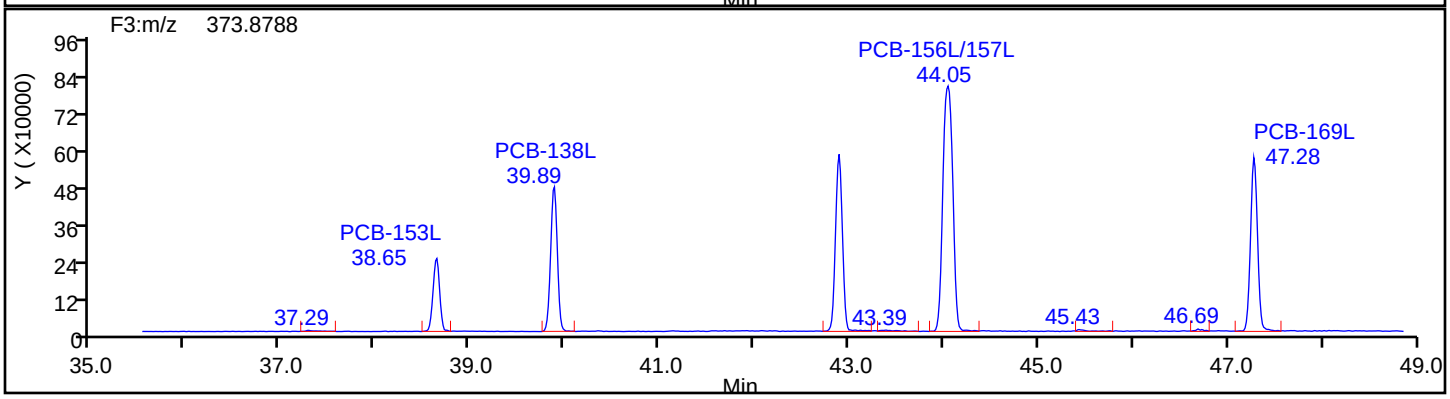
HxPCB F3




HxPCB F3 Standards

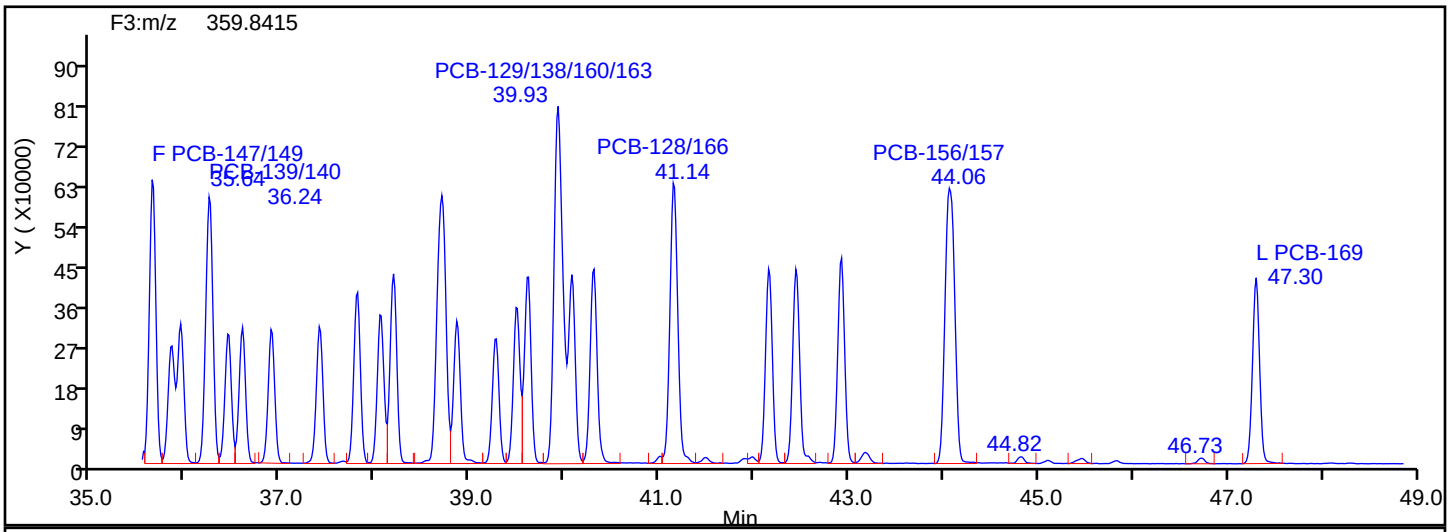


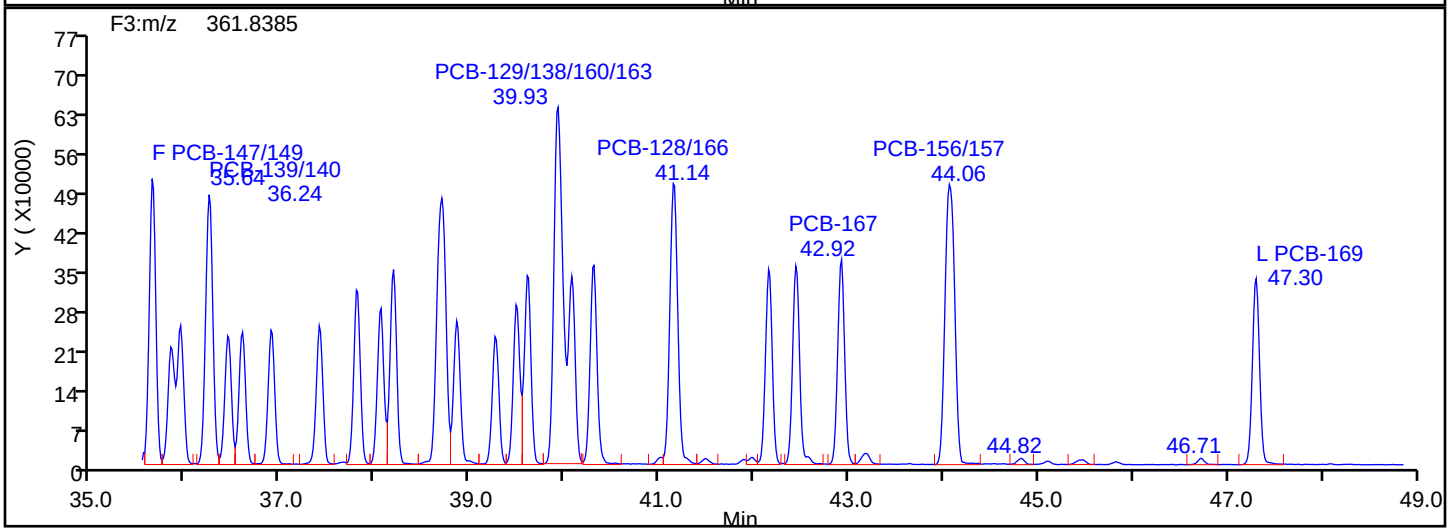



Eurofins TestAmerica, Knoxville

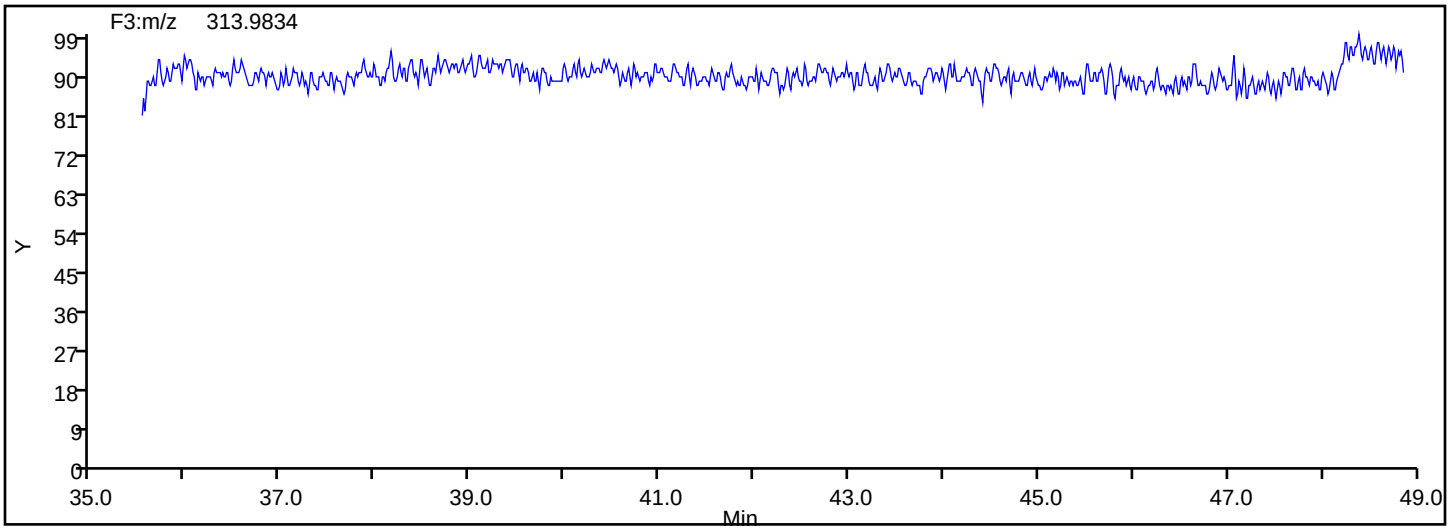
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

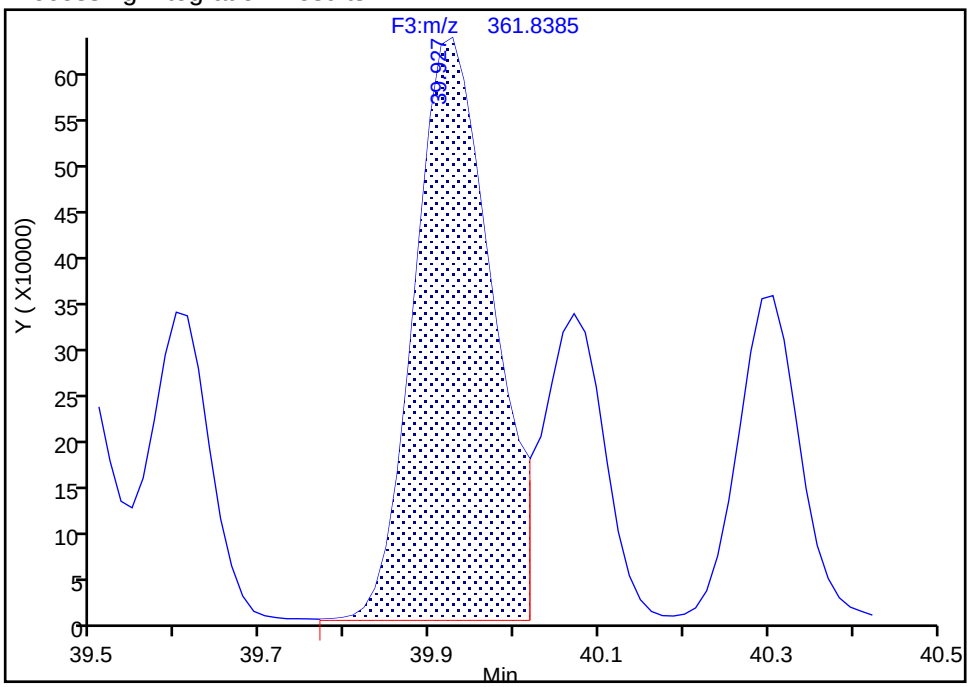
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

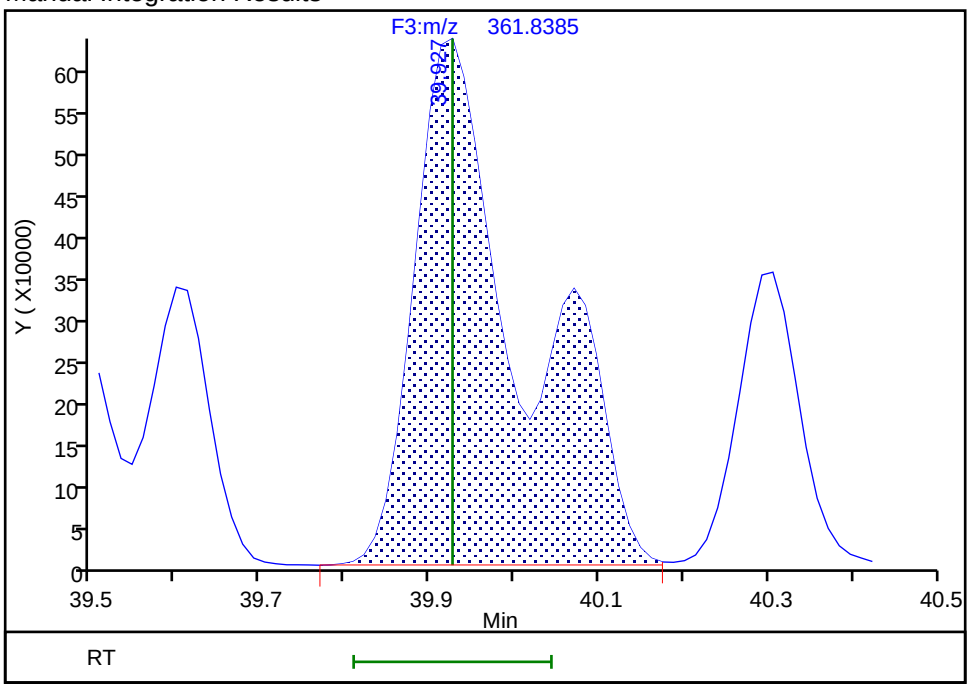
Processing Integration Results

RT: 39.93
Area: 4053971
Amount: 126.1576
Amount Units: pg/ul




Manual Integration Results

RT: 39.93
Area: 5673878
Amount: 177.7496
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:58:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

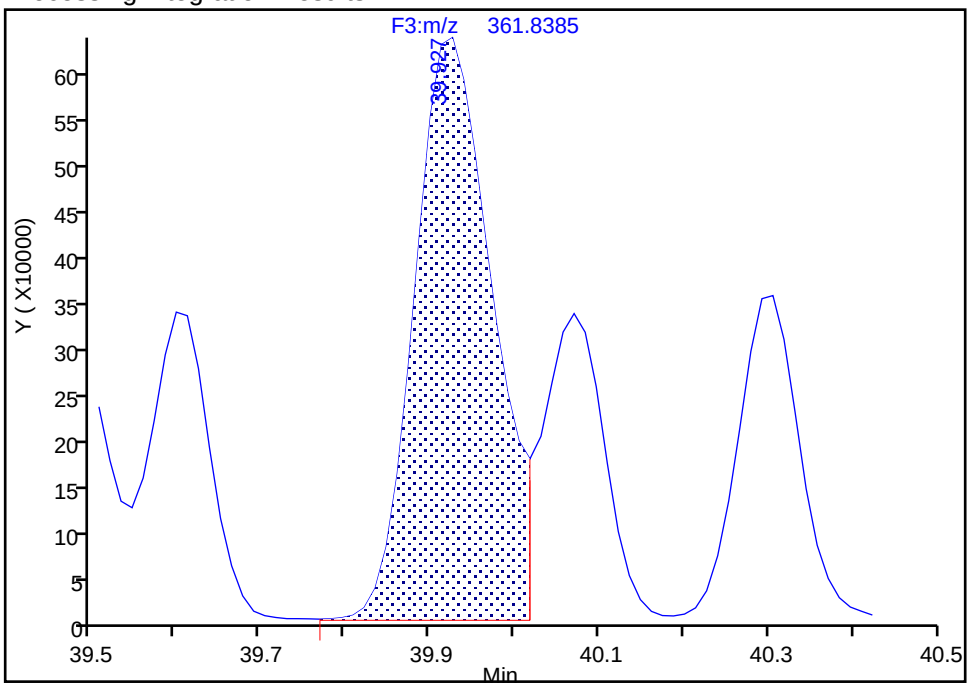
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 3

Processing Integration Results

RT: 39.93
Area: 9133915
Amount: 126.1576
Amount Units: pg/ul




Manual Integration Results

RT: 39.93
Area: 12869219
Amount: 177.7496
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:58:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

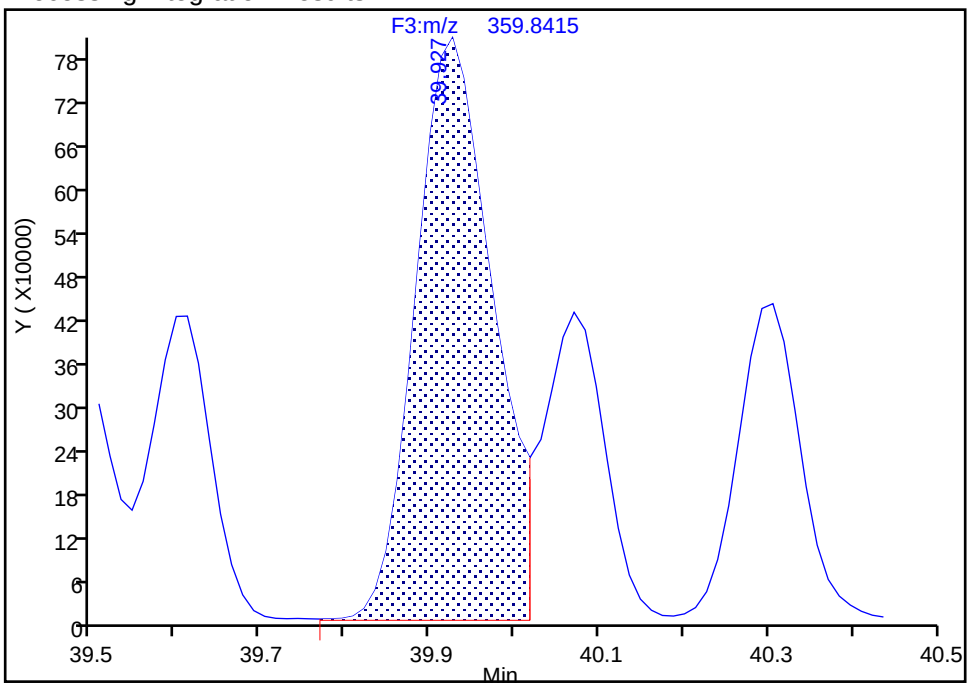
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

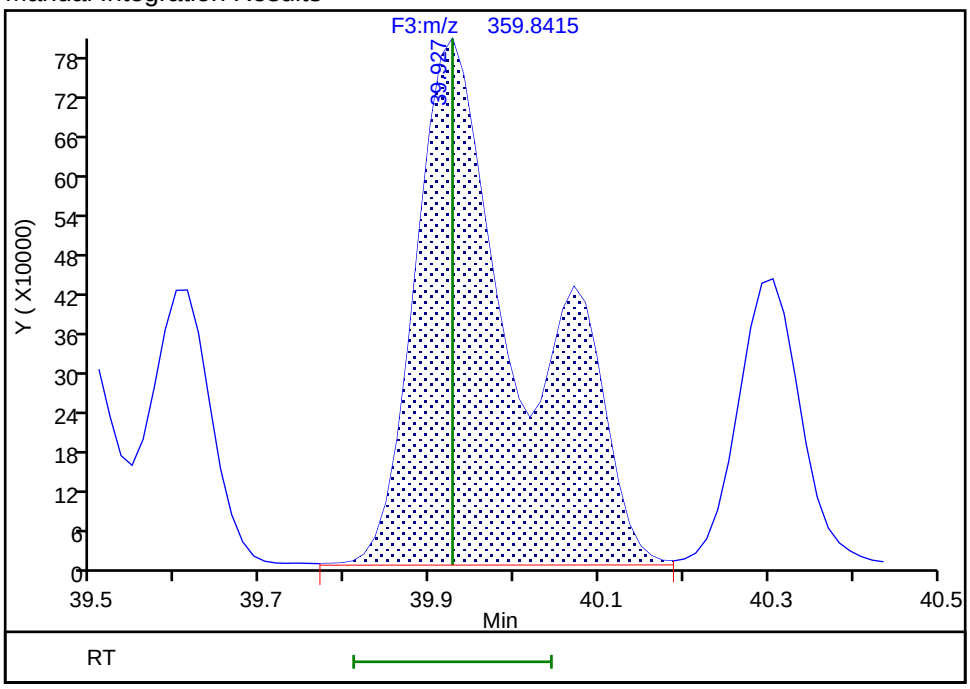
Processing Integration Results

RT: 39.93
Area: 5079944
Amount: 126.1576
Amount Units: pg/ul




Manual Integration Results

RT: 39.93
Area: 7195341
Amount: 177.7496
Amount Units: pg/ul



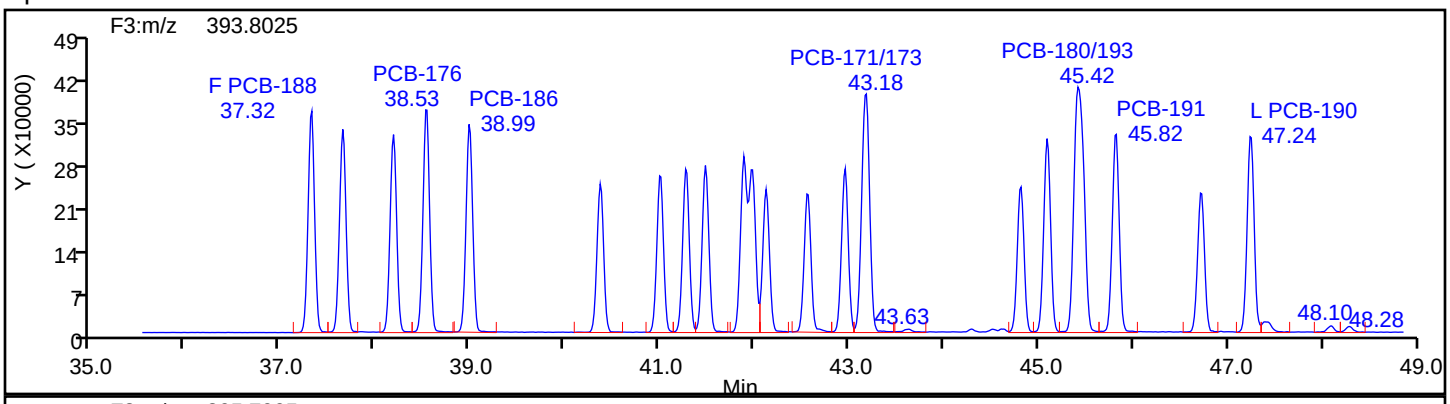

Reviewer: mcwhirterl, 10-Oct-2019 01:58:10

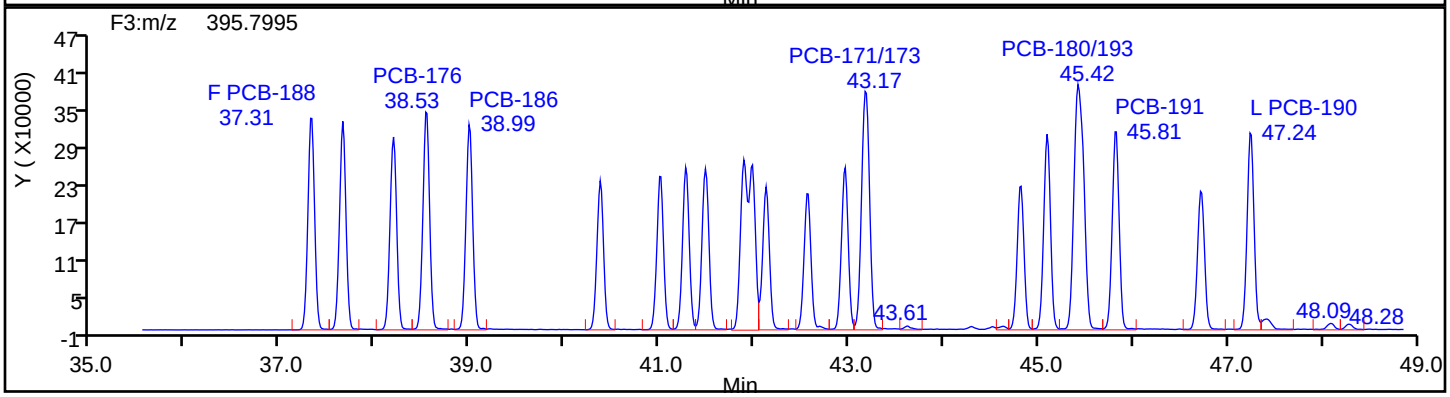
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

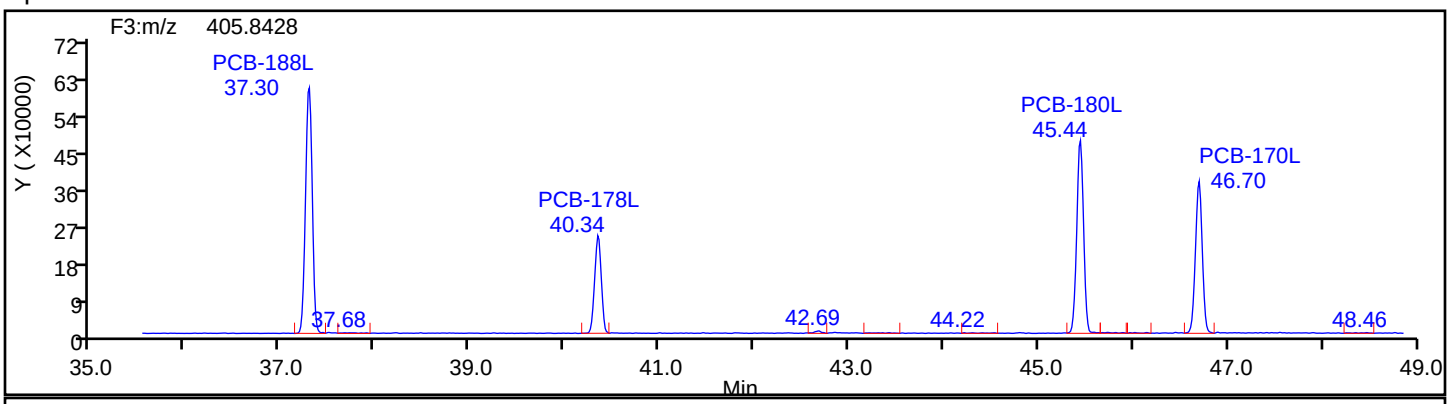
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

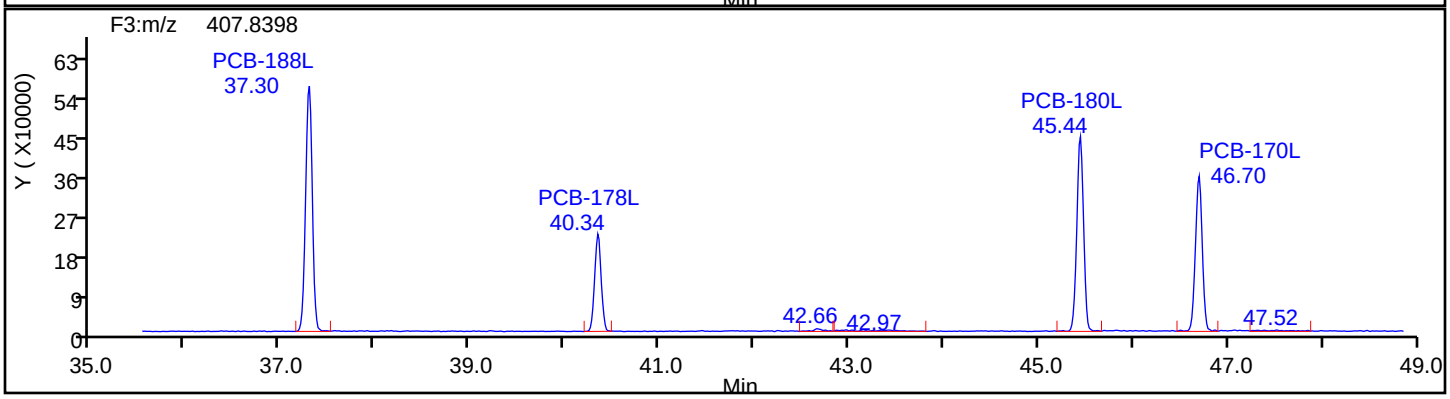
HpPCB F3




HpPCB F3 Standards

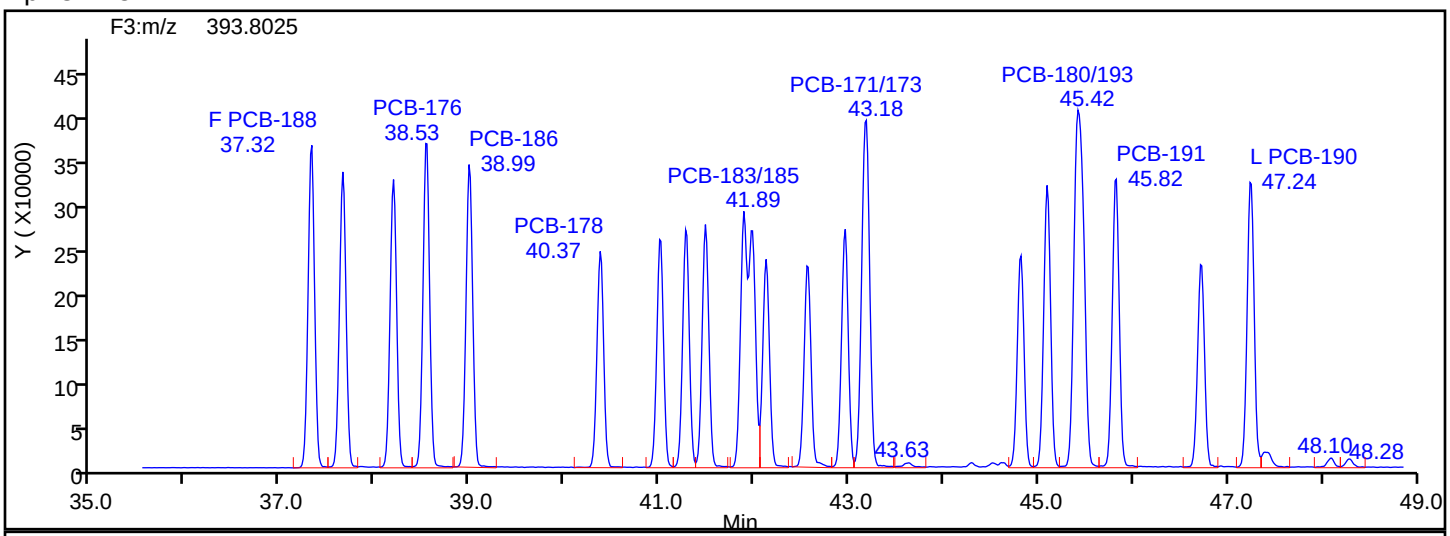


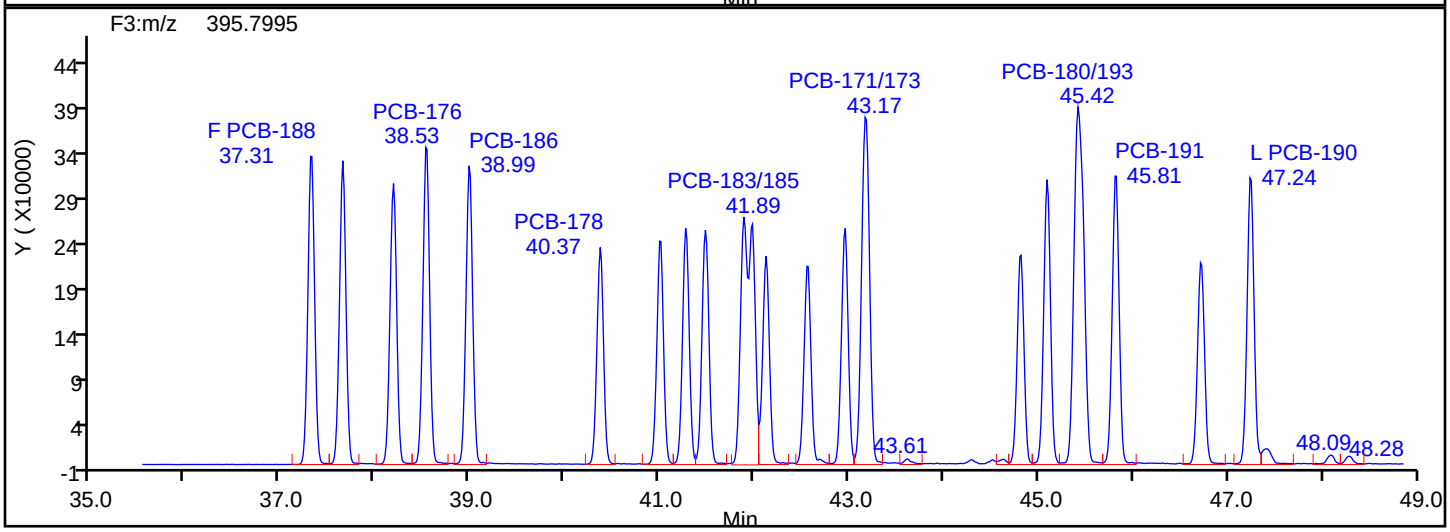



Eurofins TestAmerica, Knoxville

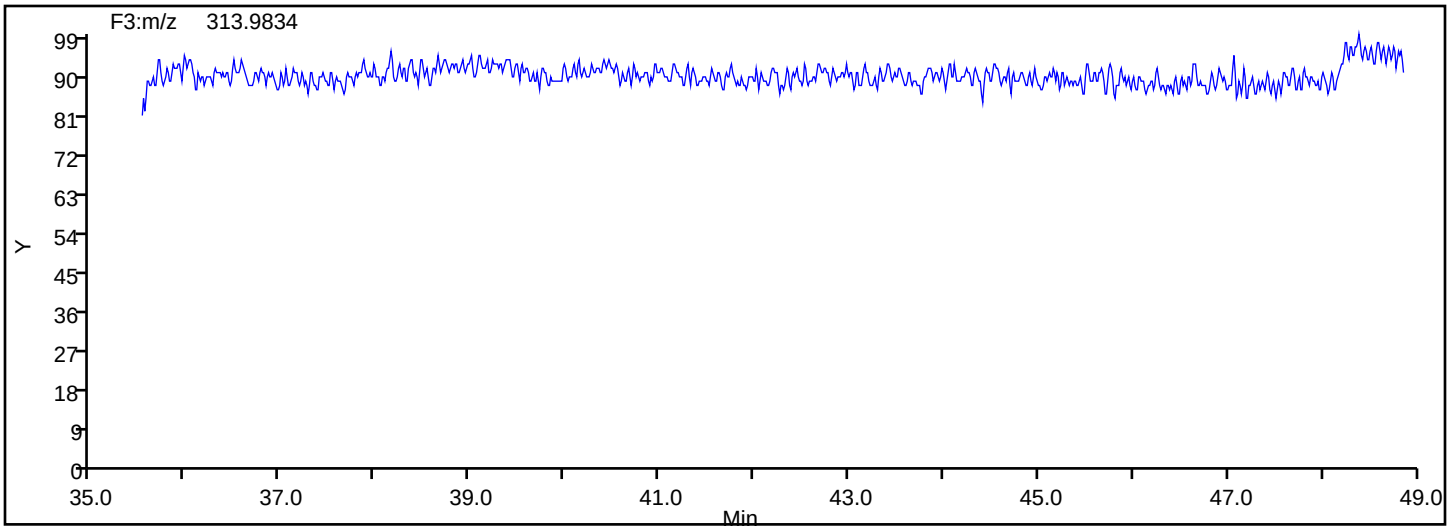
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

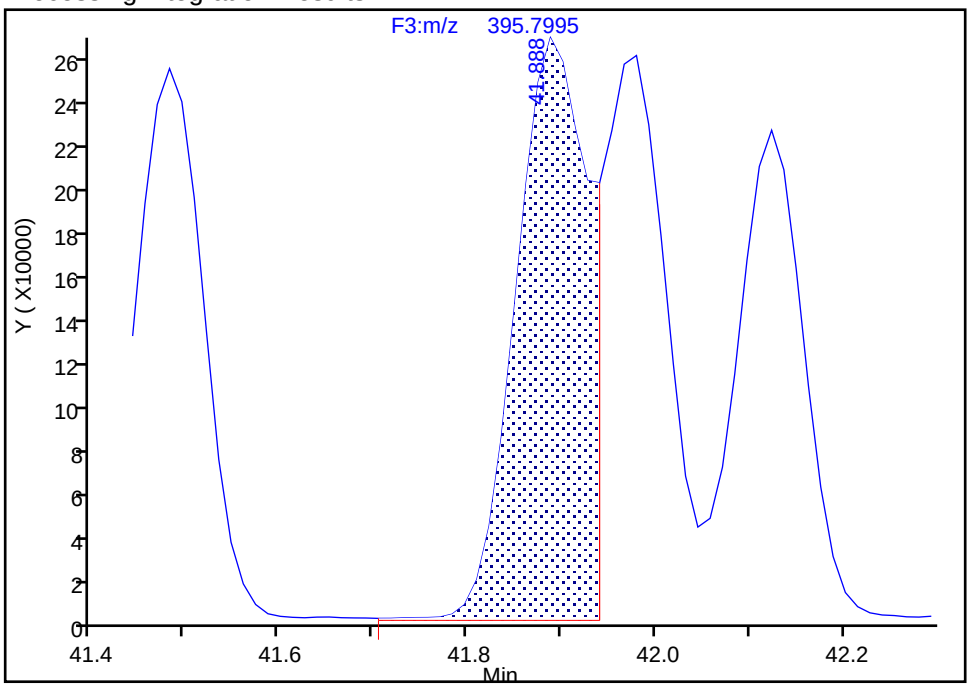
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 2

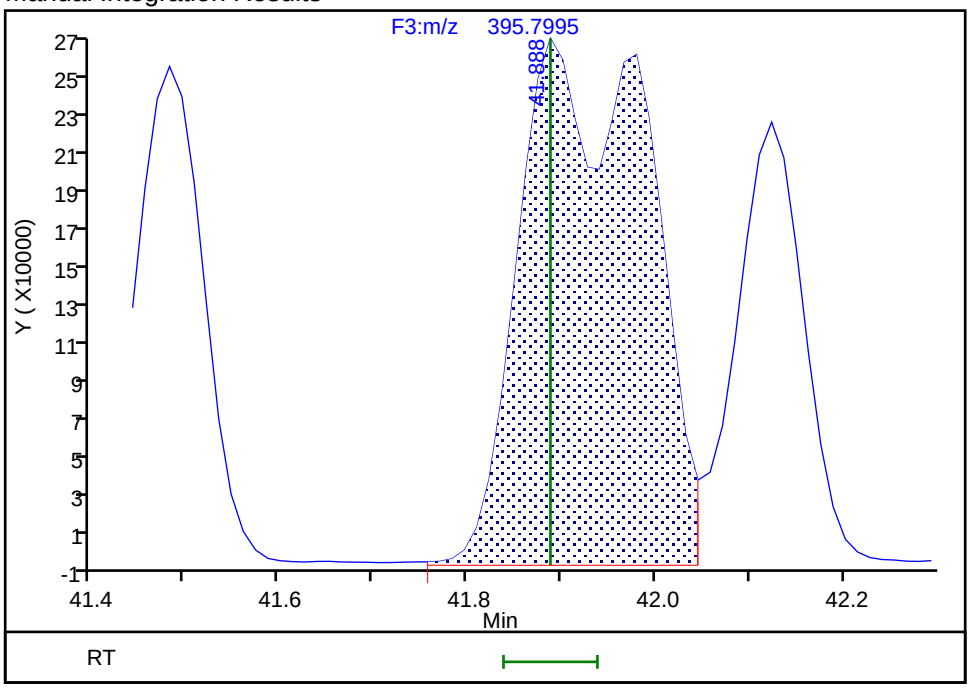
Processing Integration Results

RT: 41.89
Area: 1406661
Amount: 50.380579
Amount Units: pg/ul




Manual Integration Results

RT: 41.89
Area: 2542141
Amount: 97.389547
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:58:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

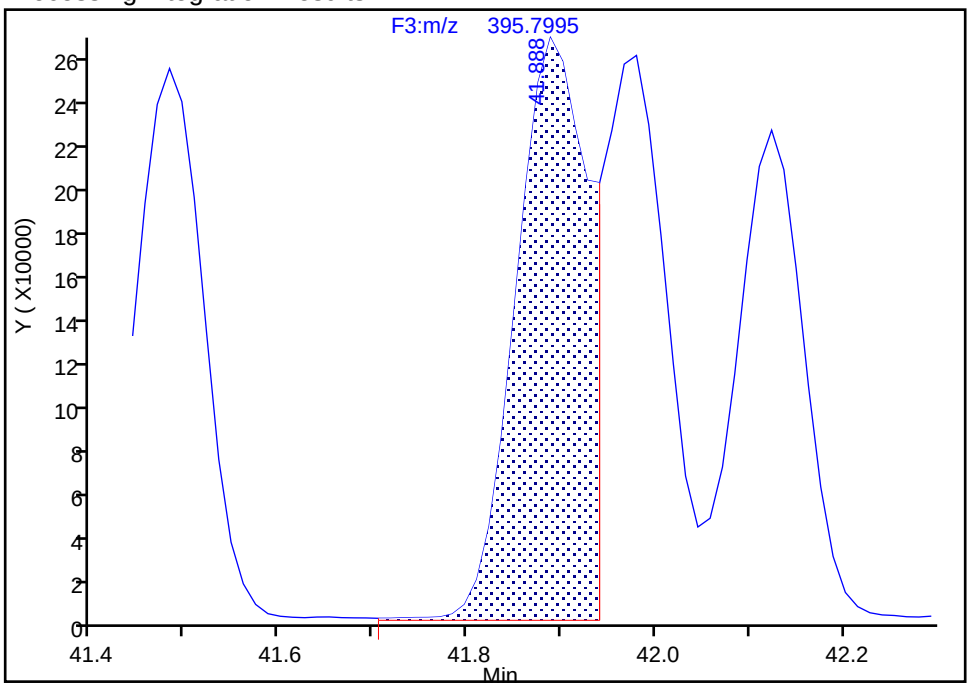
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d
Injection Date: 10-Oct-2019 00:50:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 3

Processing Integration Results

RT: 41.89
Area: 2719611
Amount: 50.380579
Amount Units: pg/ul




Manual Integration Results

RT: 41.89
Area: 5257218
Amount: 97.389547
Amount Units: pg/ul
Reviewer: mcwhirterl, 10-Oct-2019 01:58:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

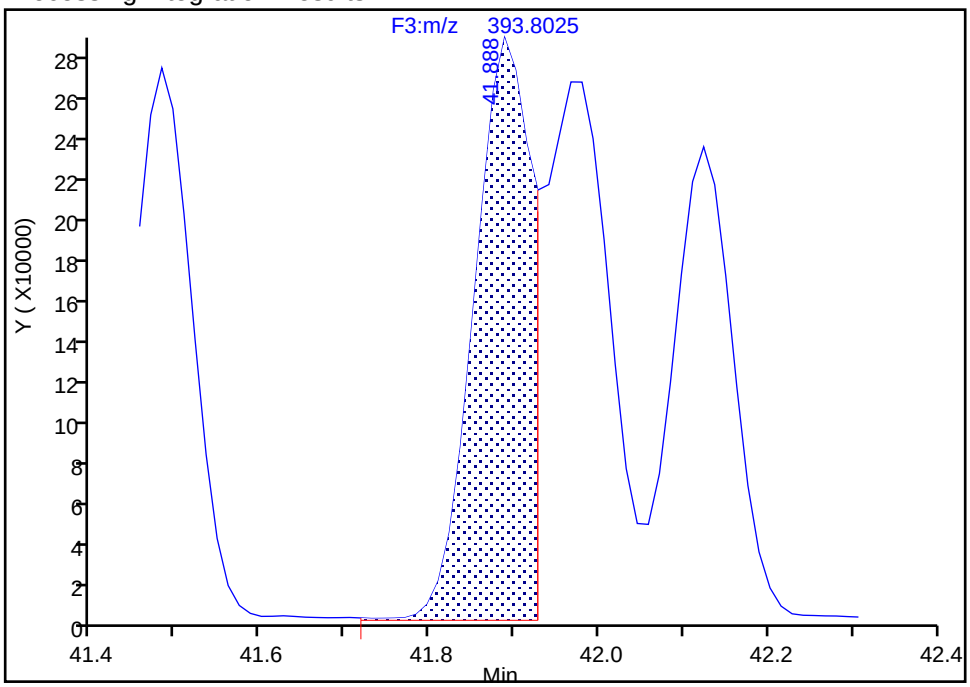
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

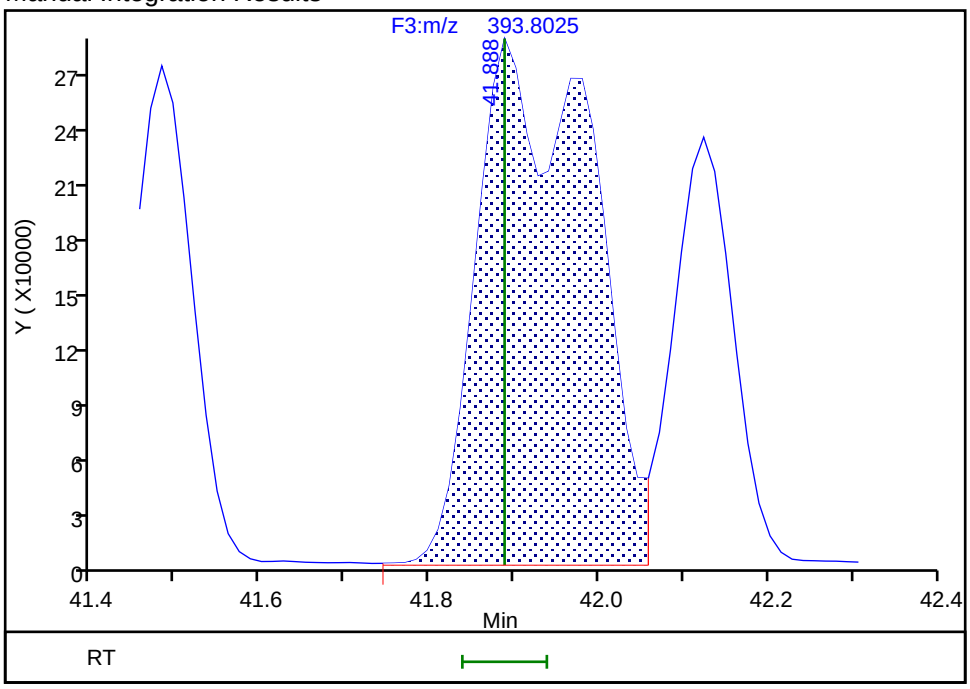
Processing Integration Results

RT: 41.89
Area: 1312950
Amount: 50.380579
Amount Units: pg/ul




Manual Integration Results

RT: 41.89
Area: 2715077
Amount: 97.389547
Amount Units: pg/ul




Reviewer: mcwhirterl, 10-Oct-2019 01:58:41

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
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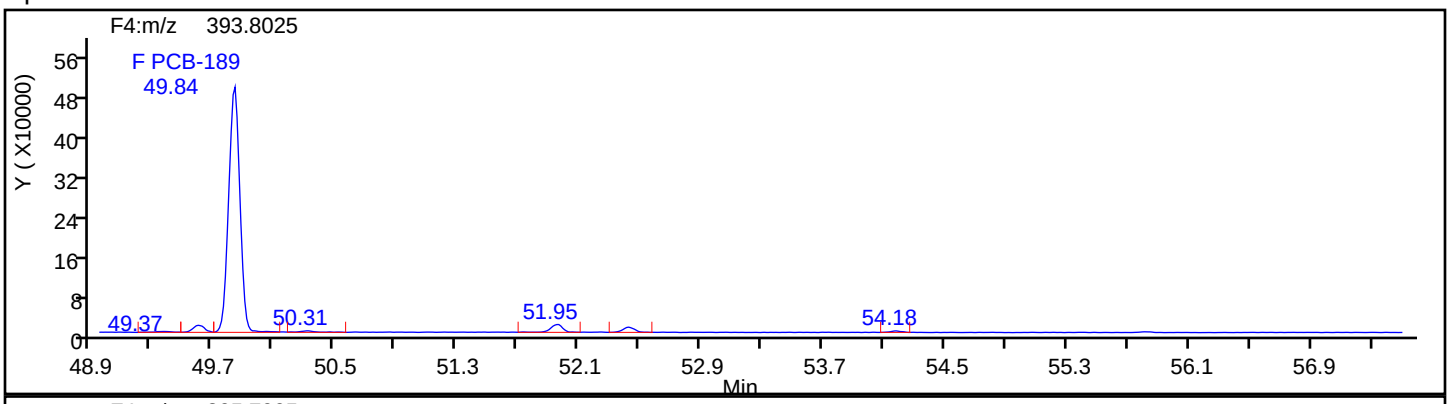
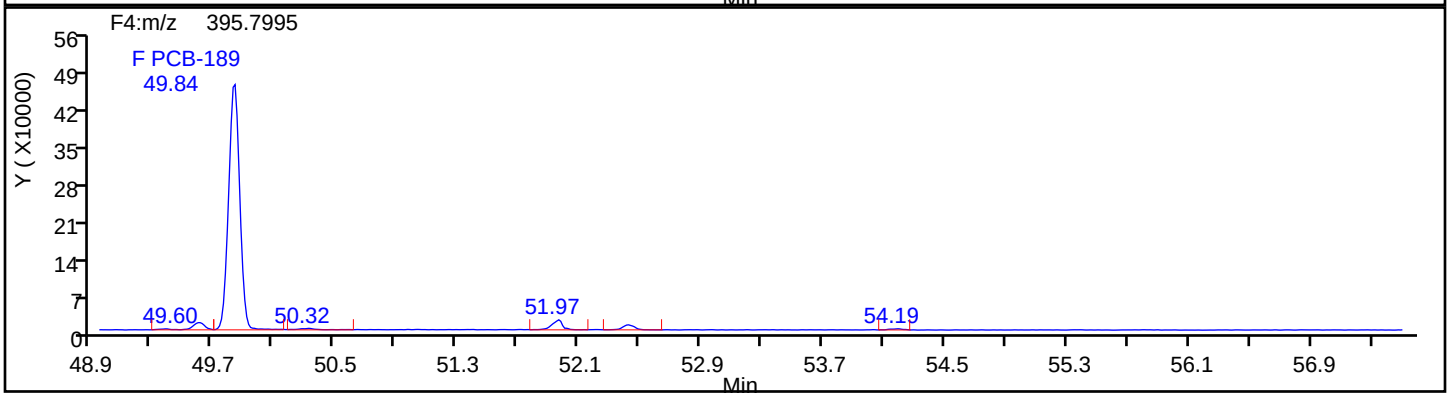
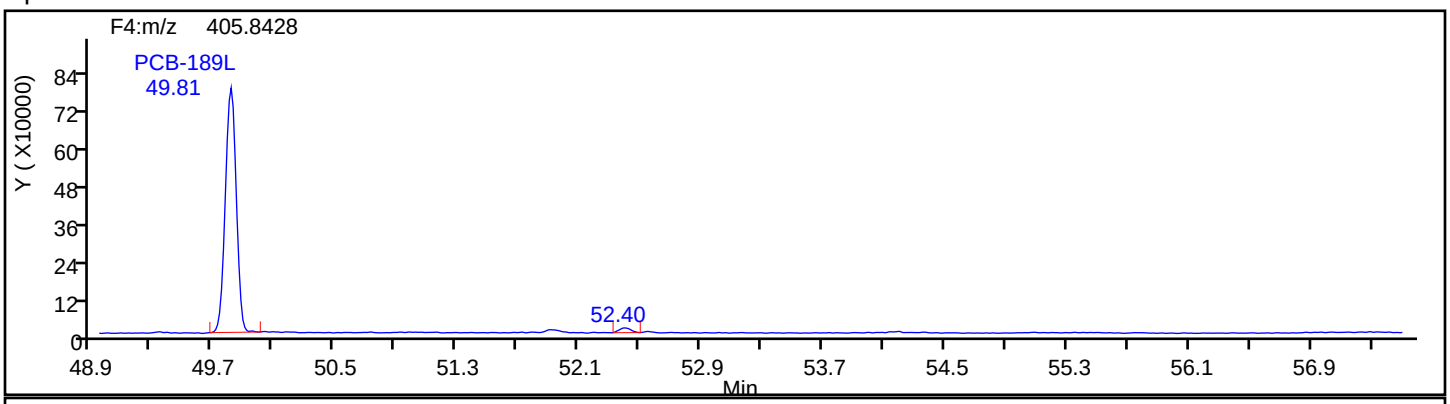
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

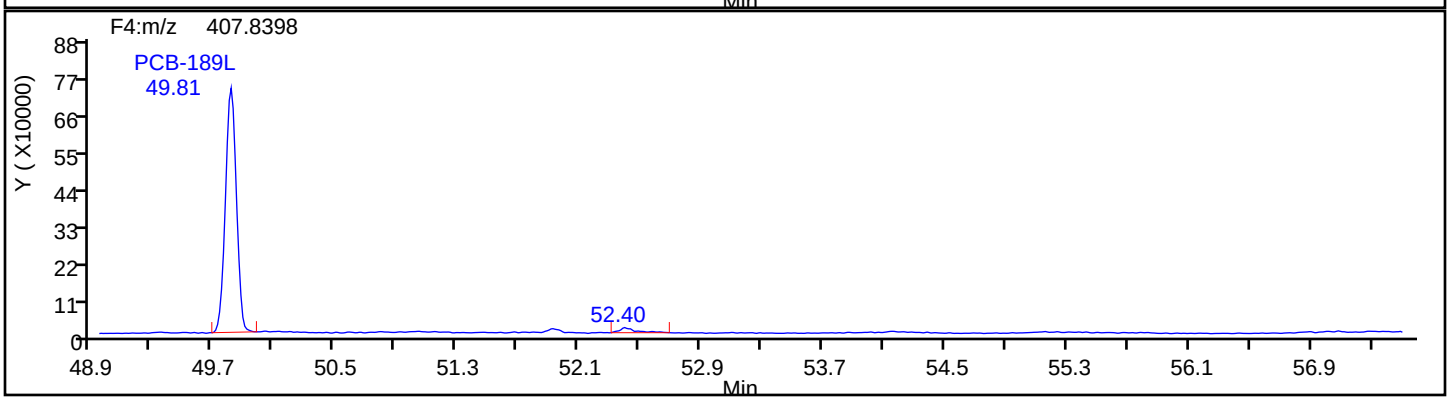
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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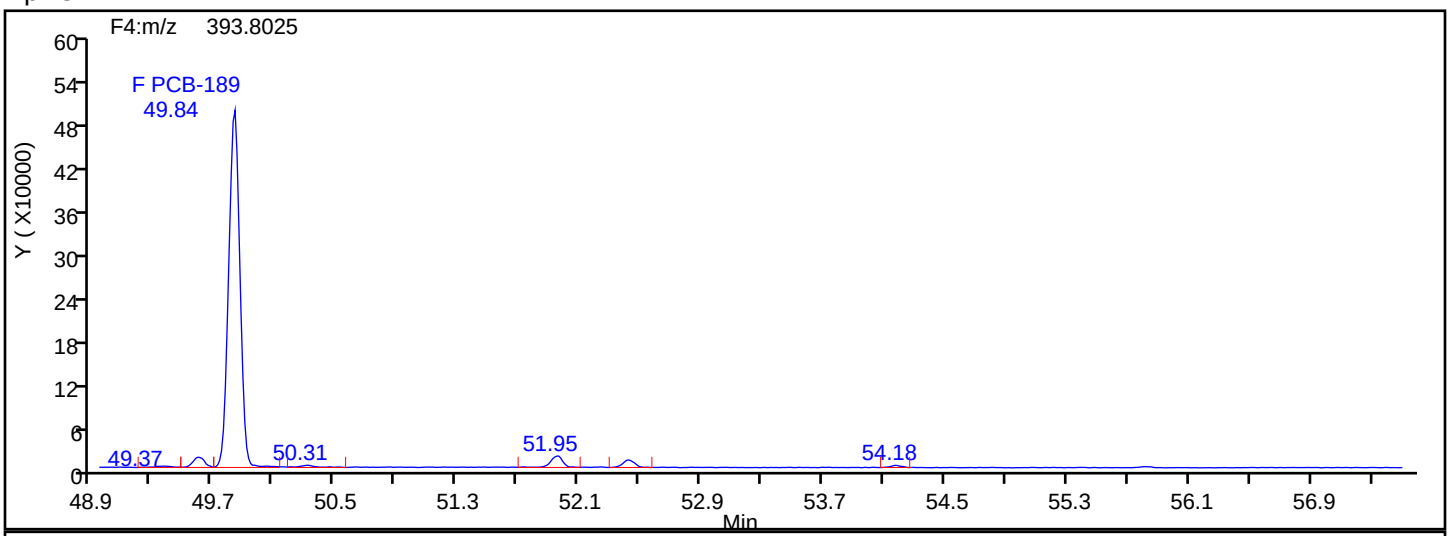
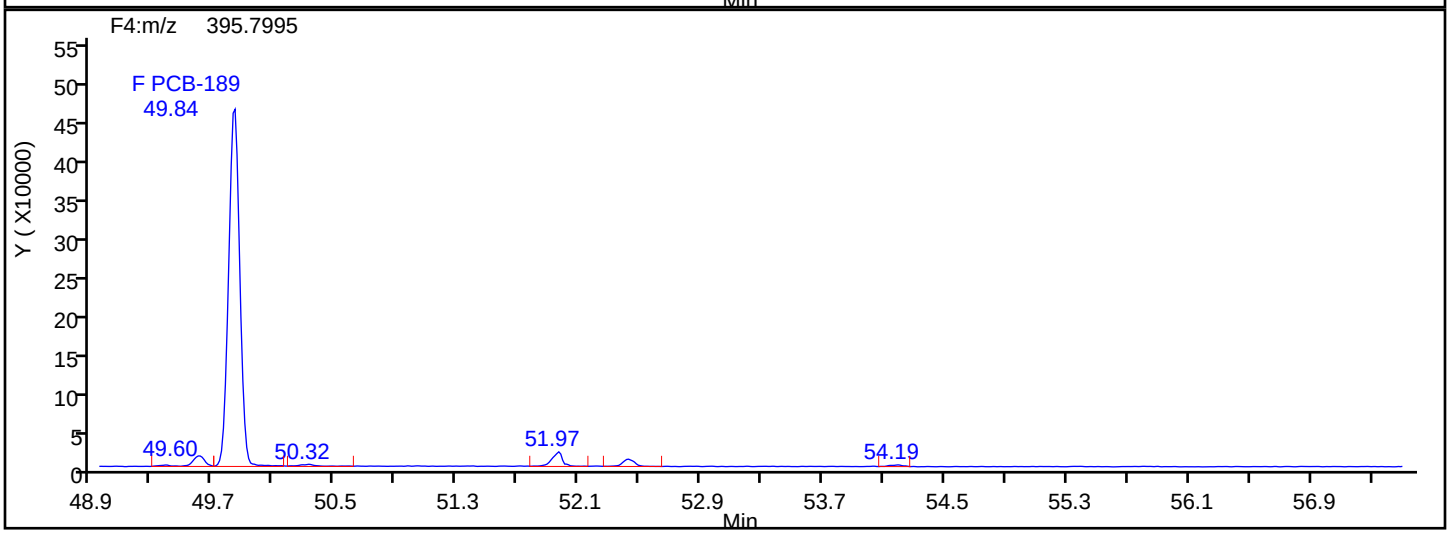
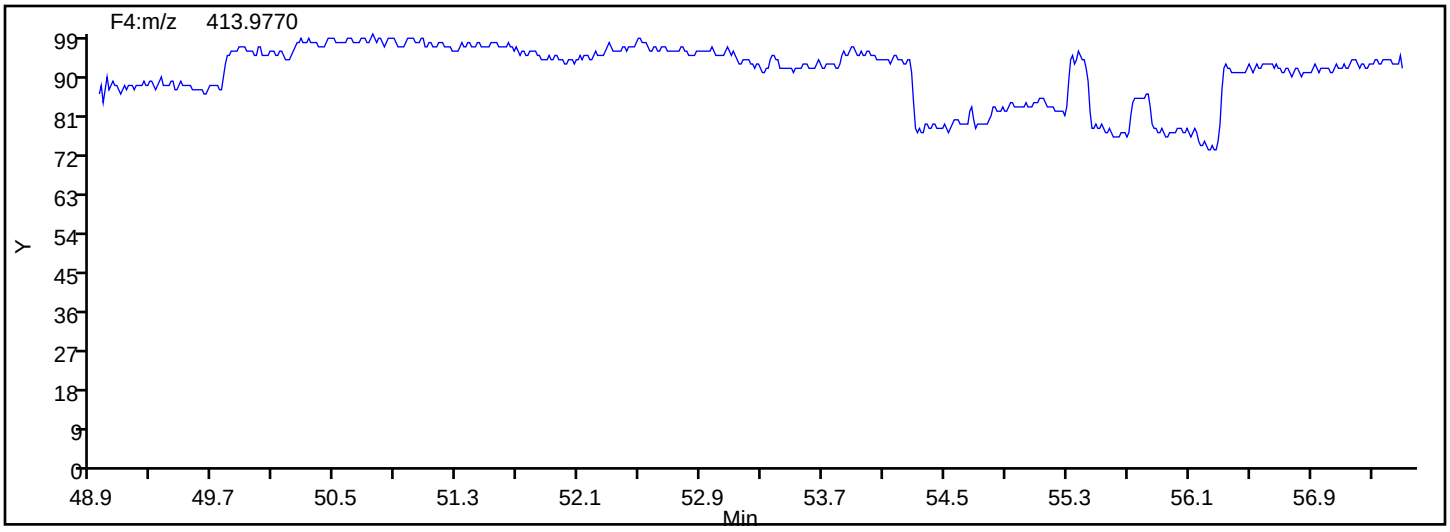
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Report Date: 10-Oct-2019 02:23:18 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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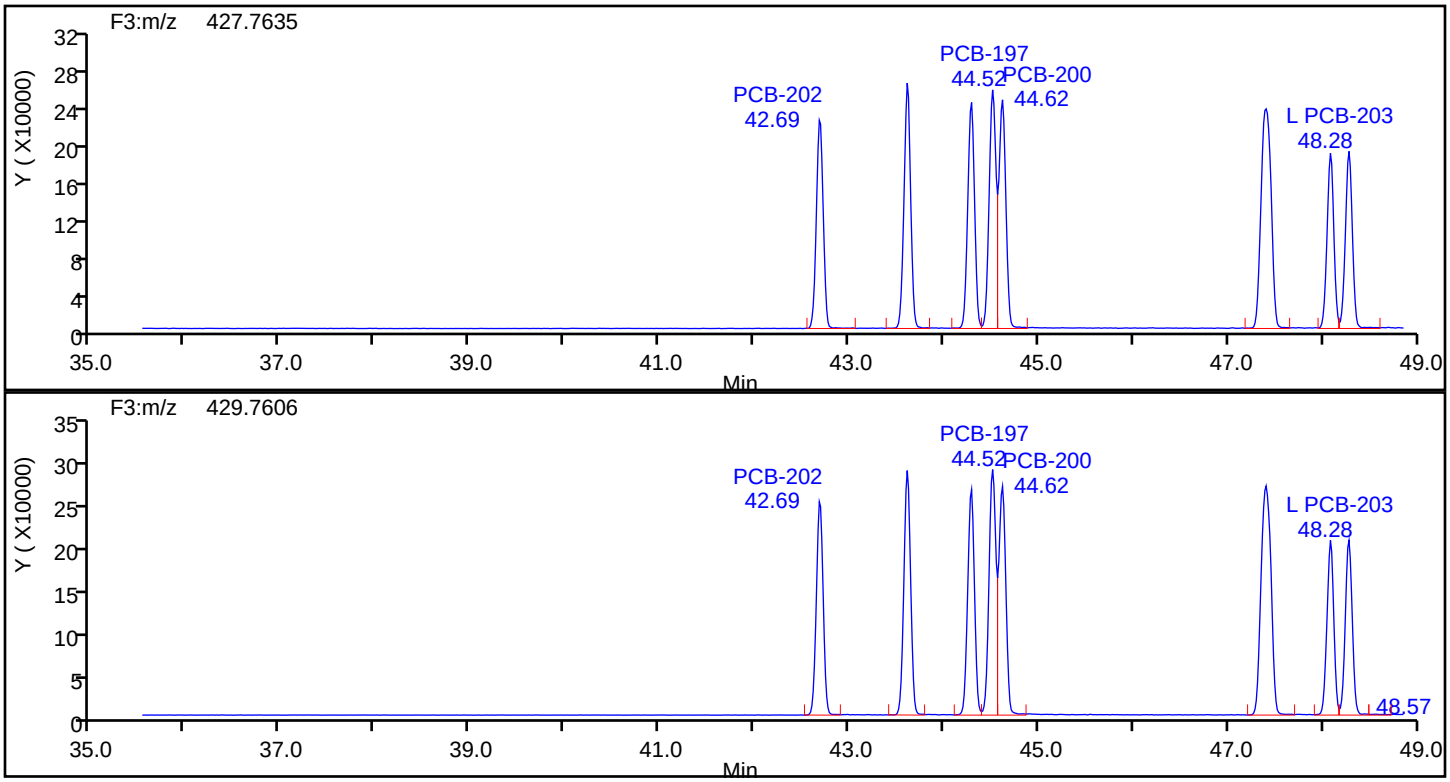
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

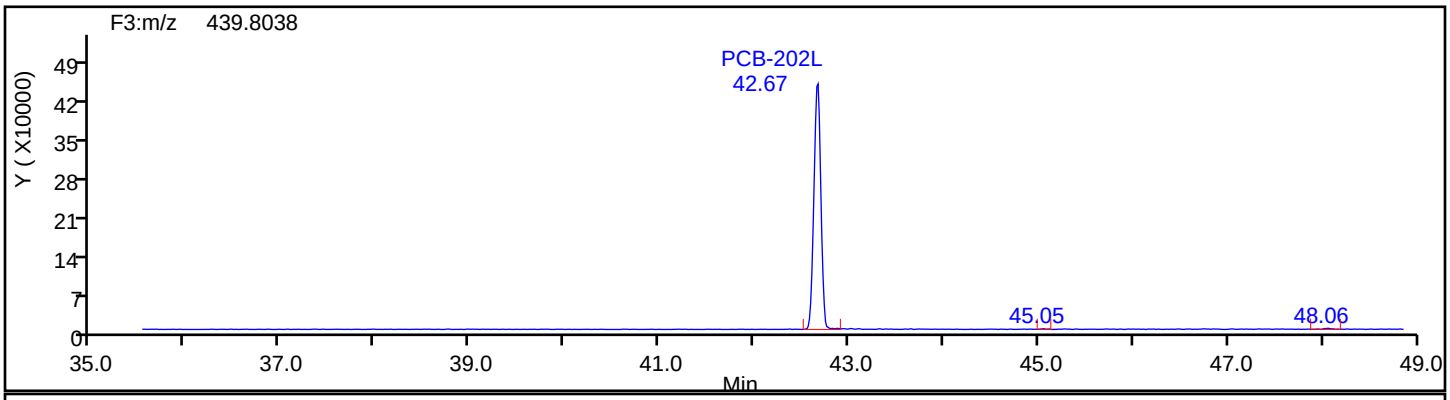
OcPCB F3

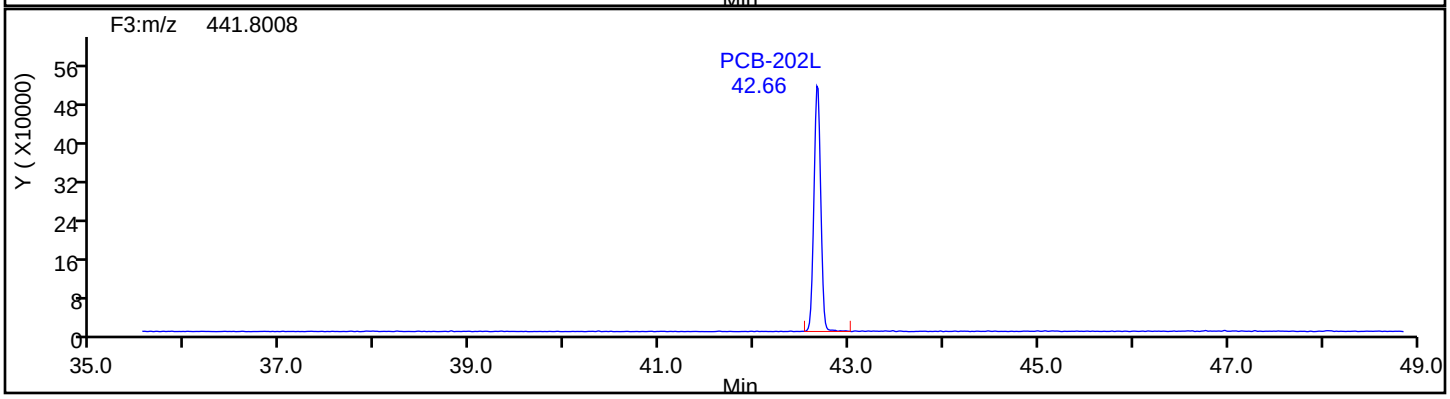






OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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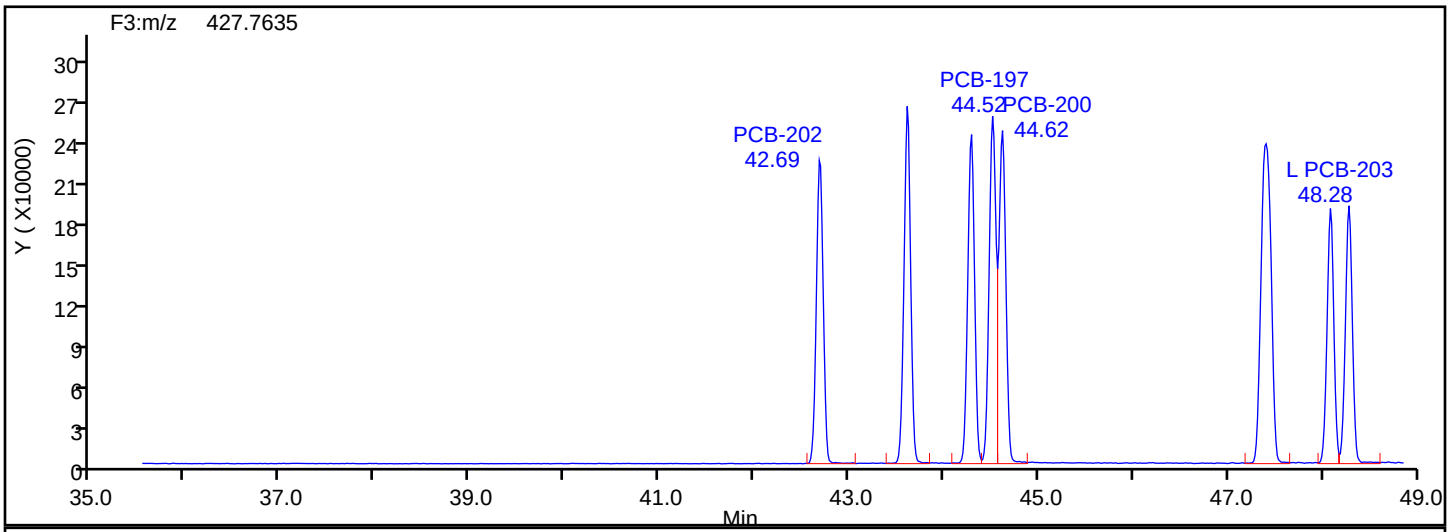
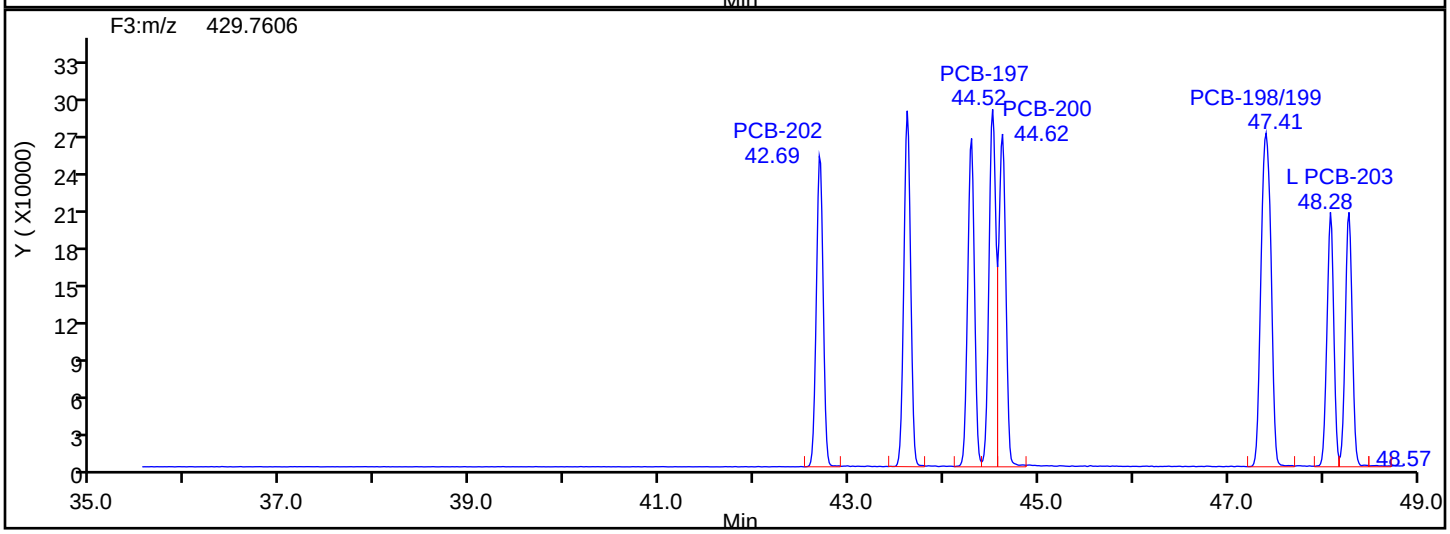
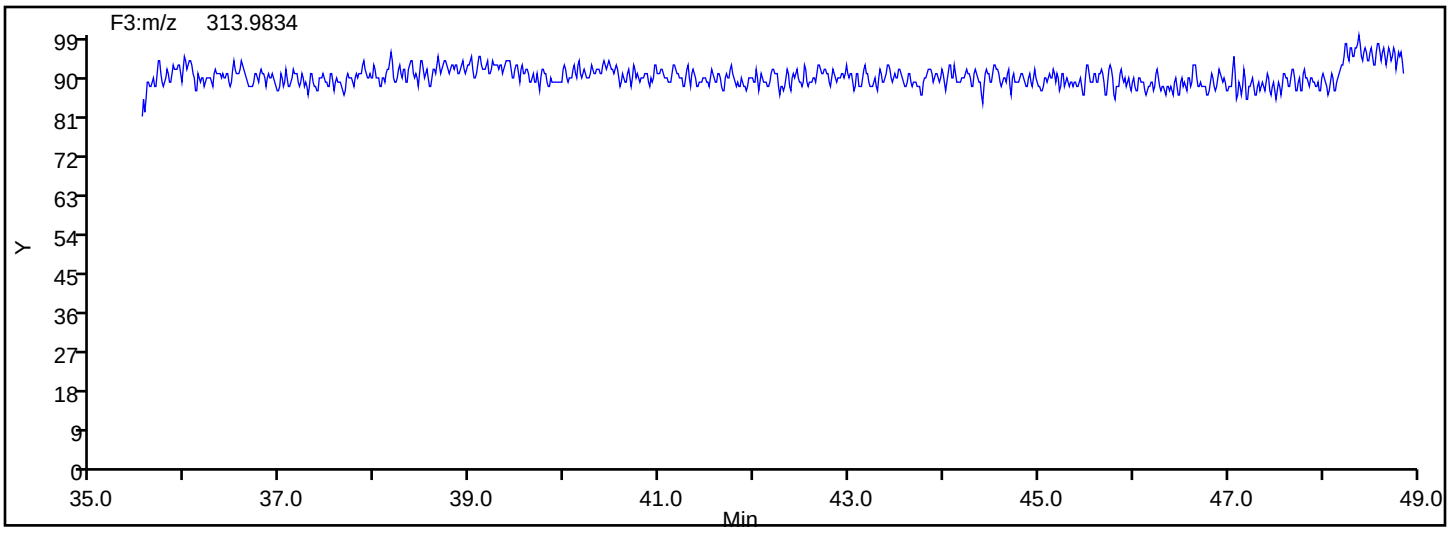
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



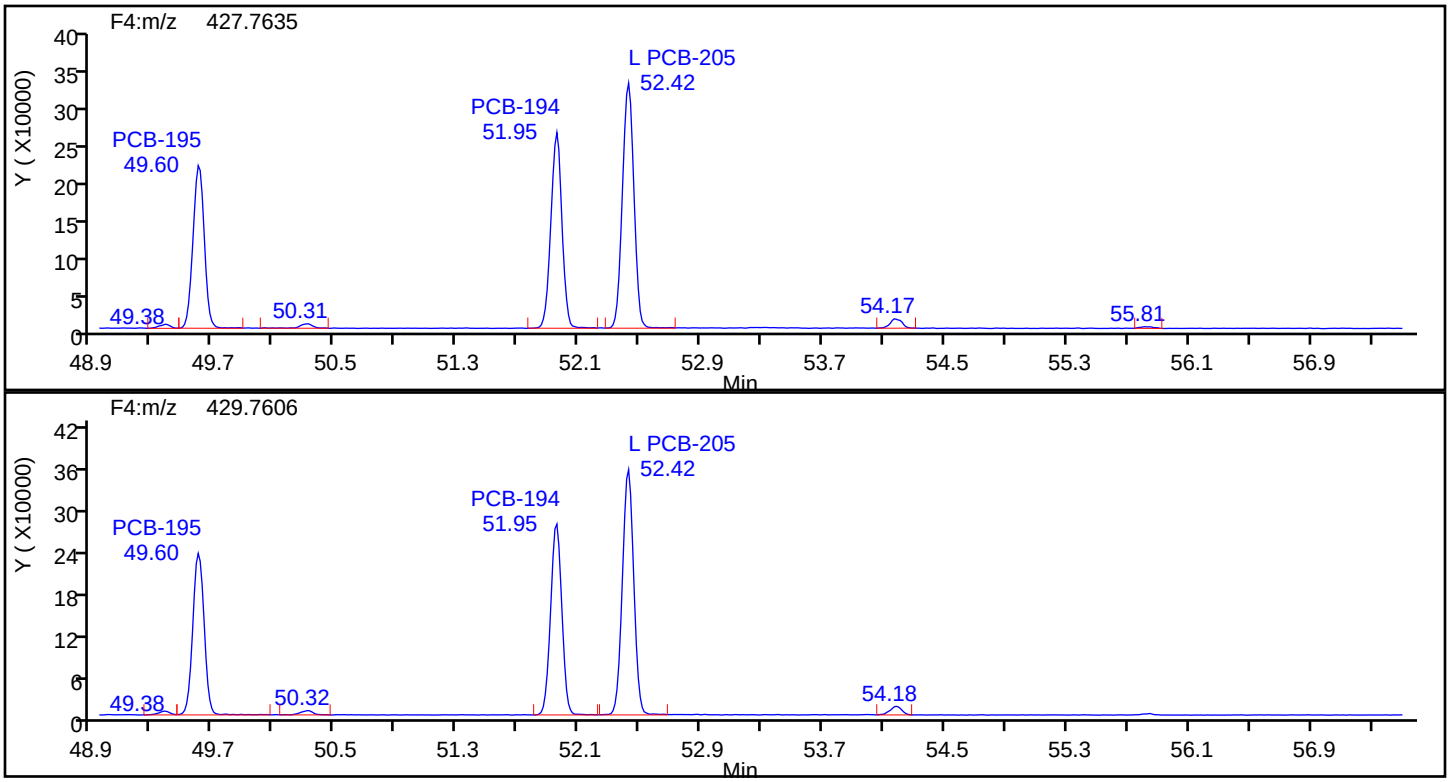

OcPCB F3 Lock Mass



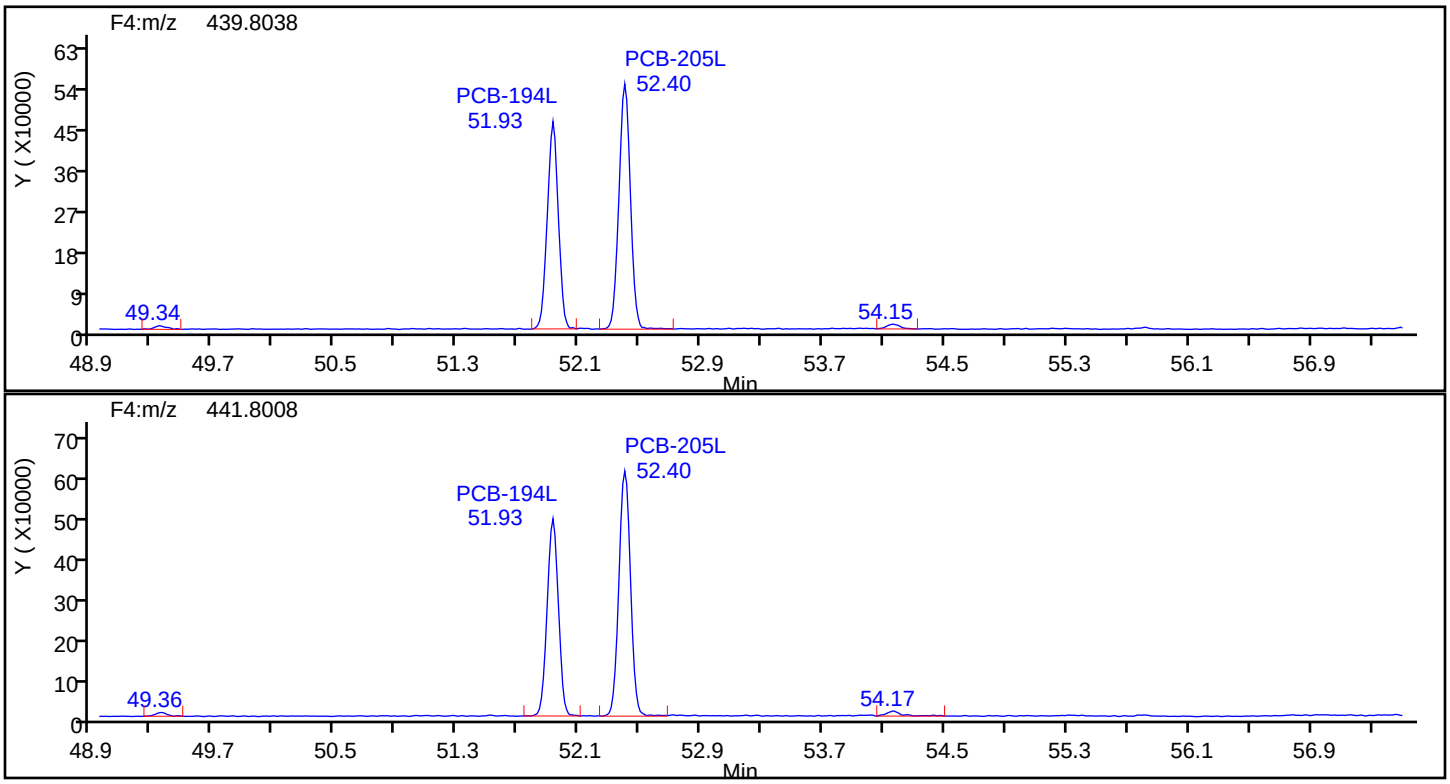
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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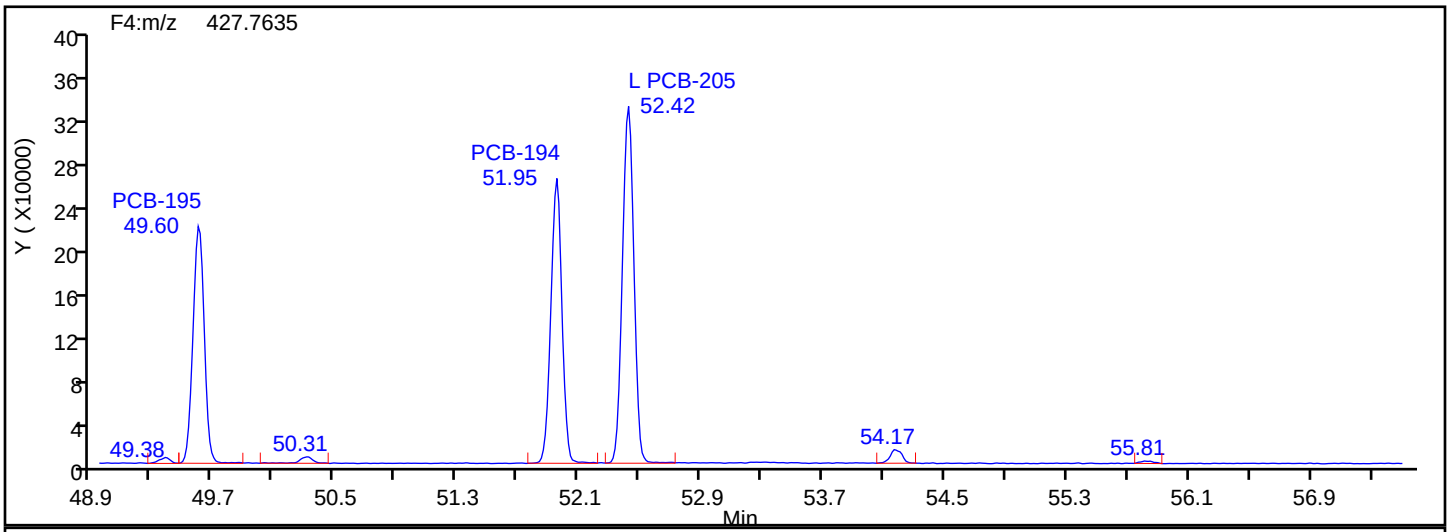
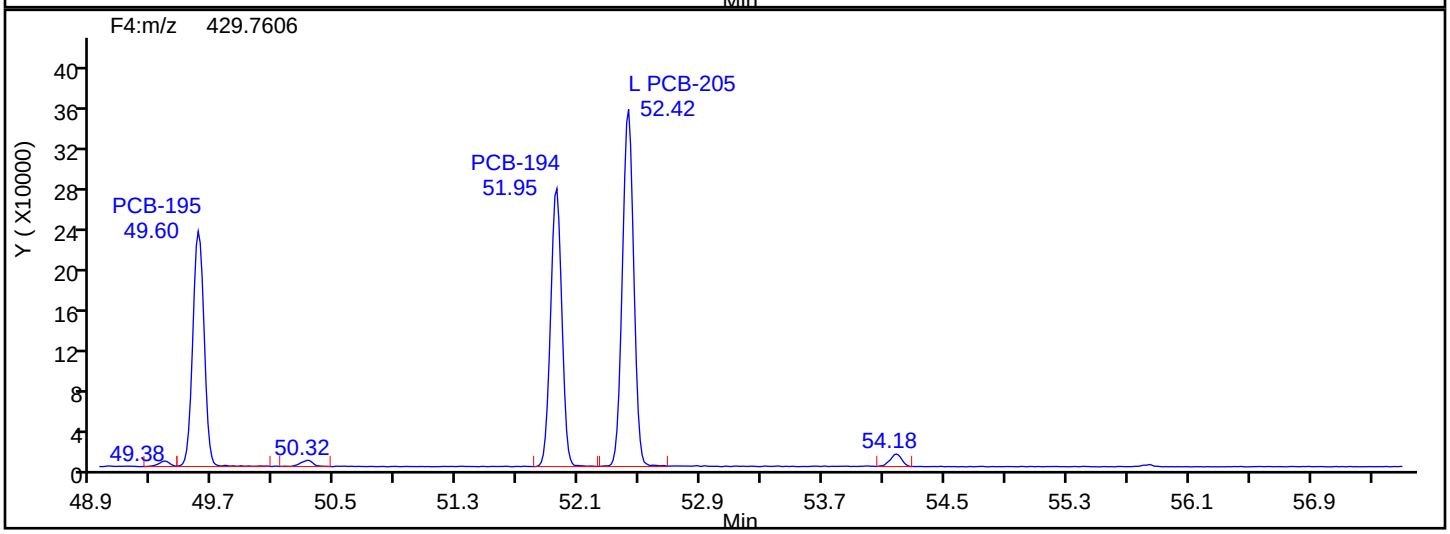
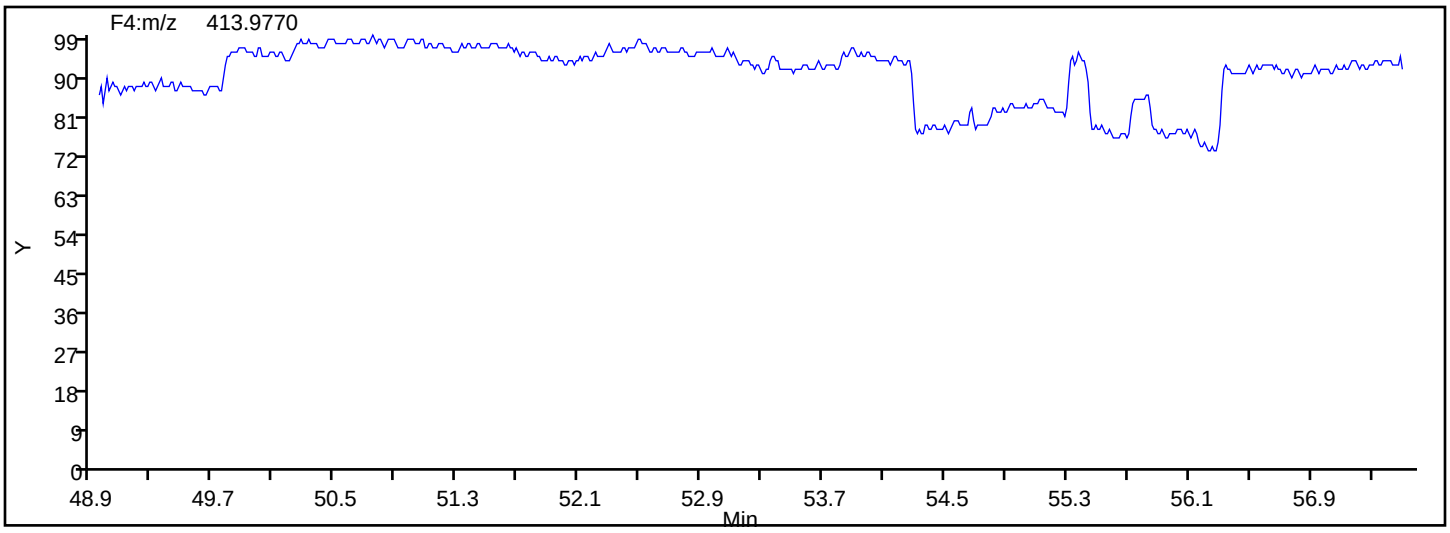
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13345.b\d4191010s1.d | | |
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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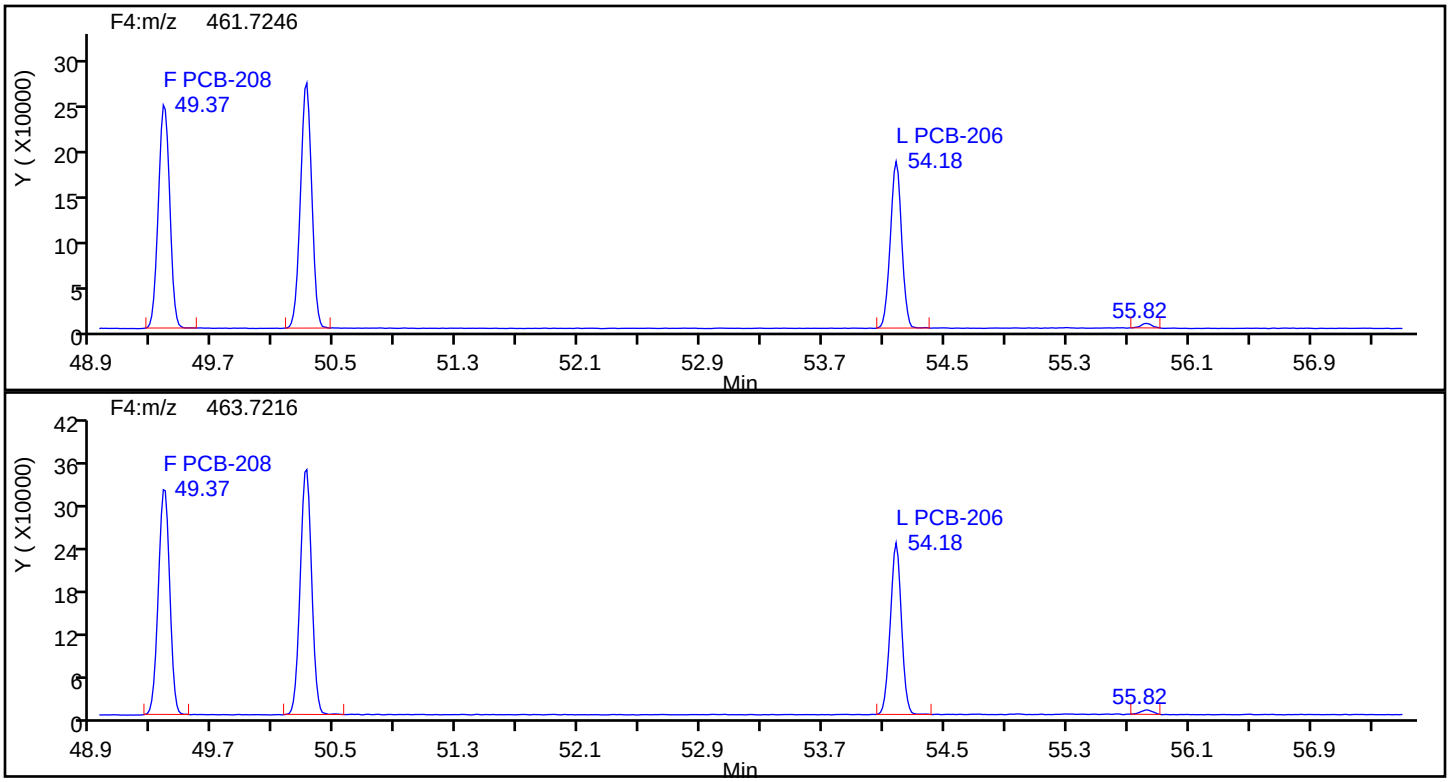
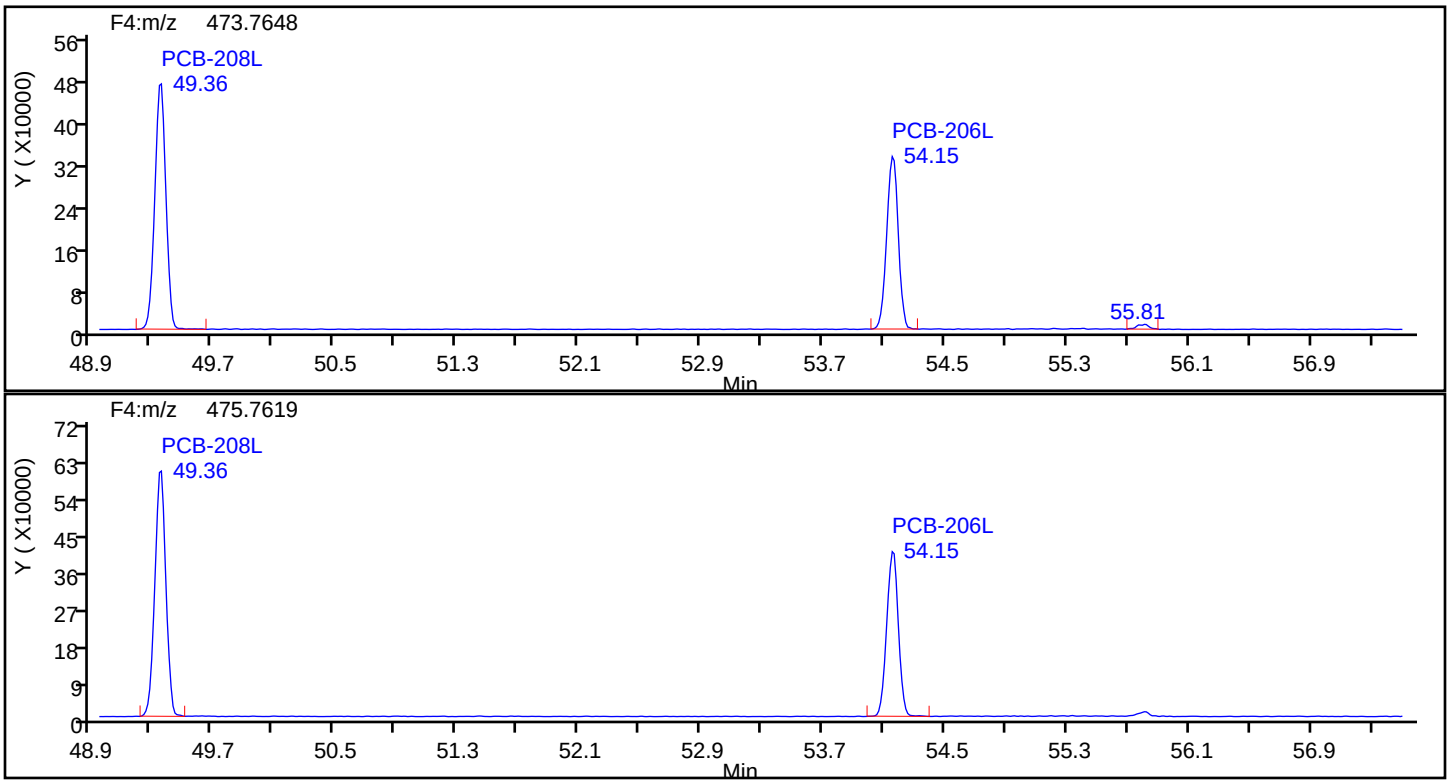
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Standards



Eurofins TestAmerica, Knoxville

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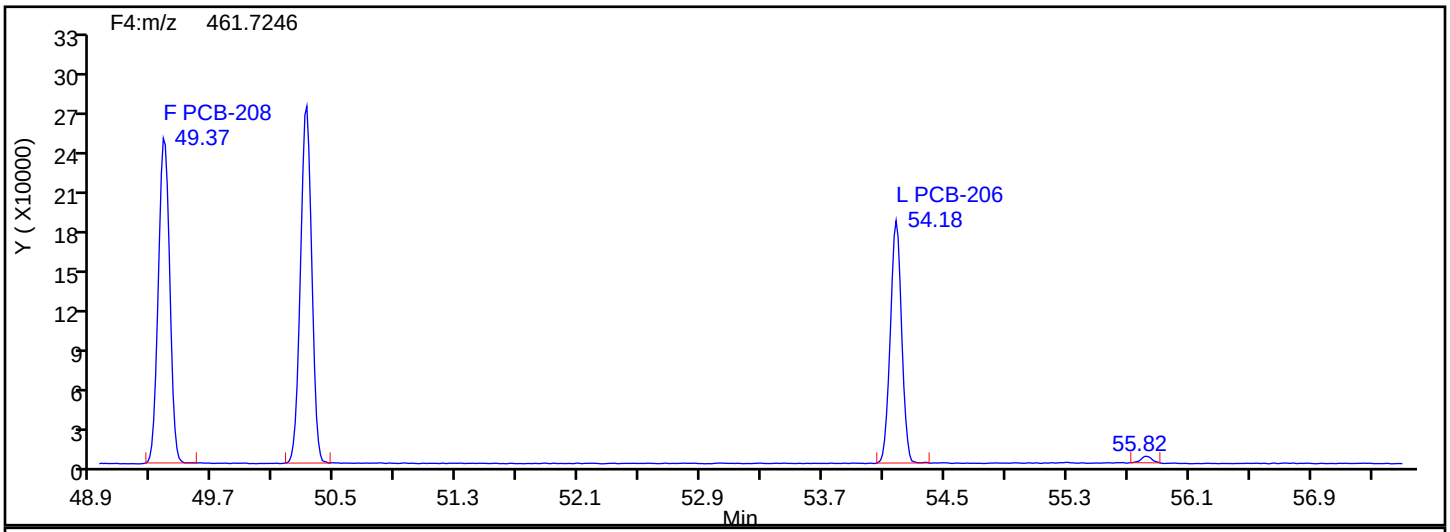
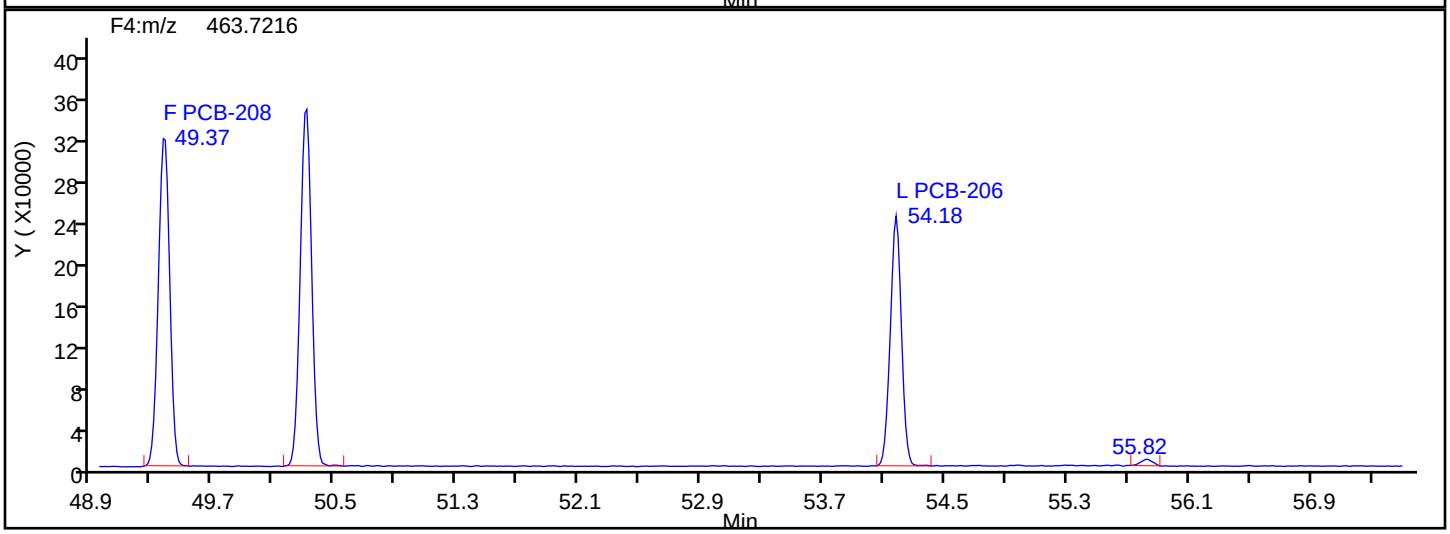
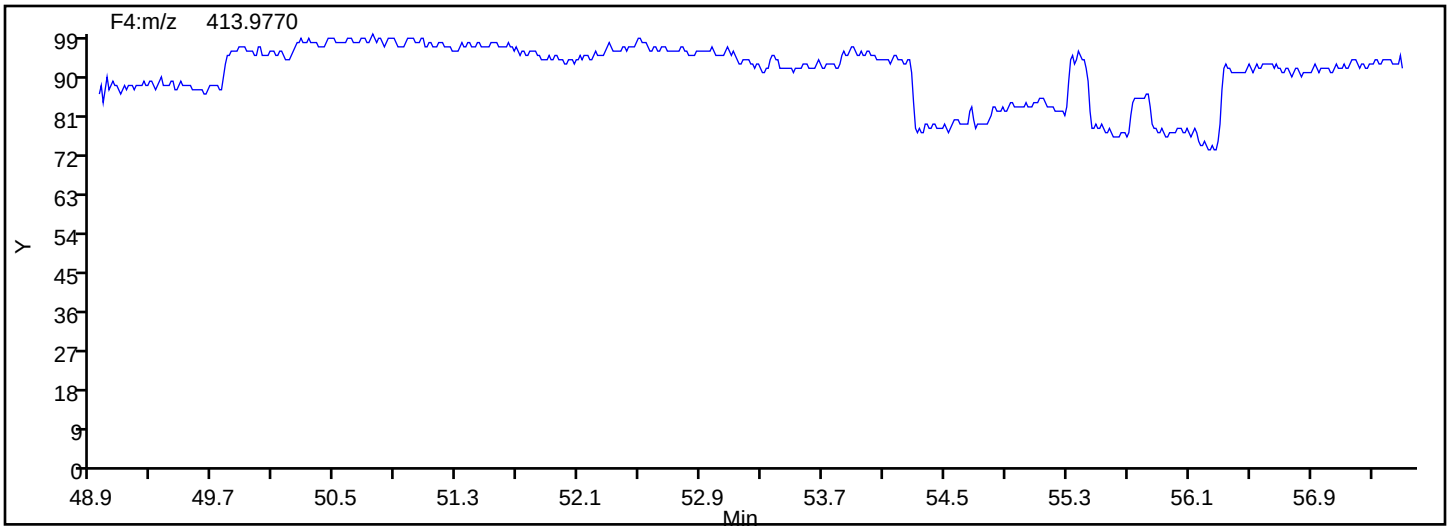
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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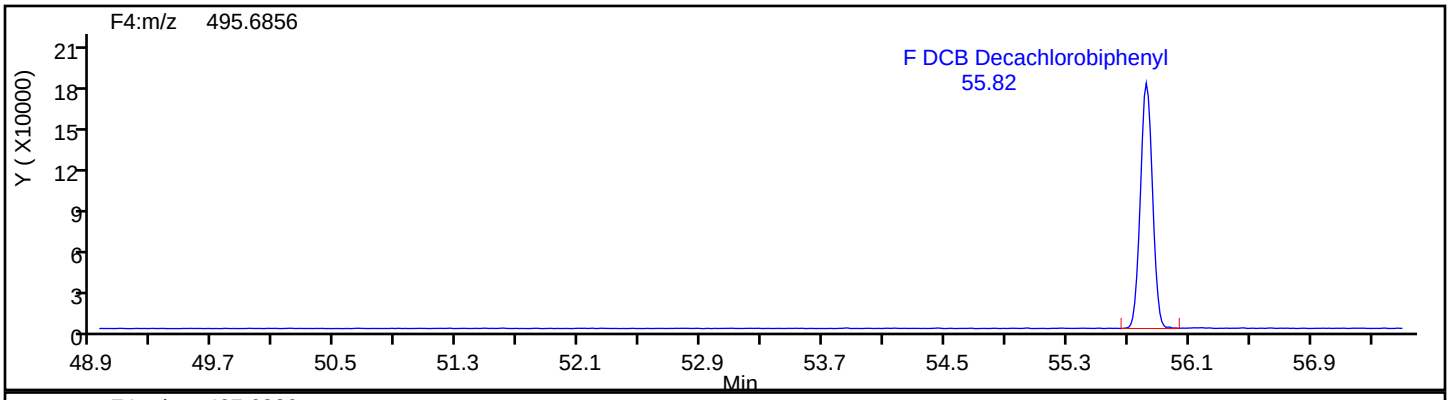
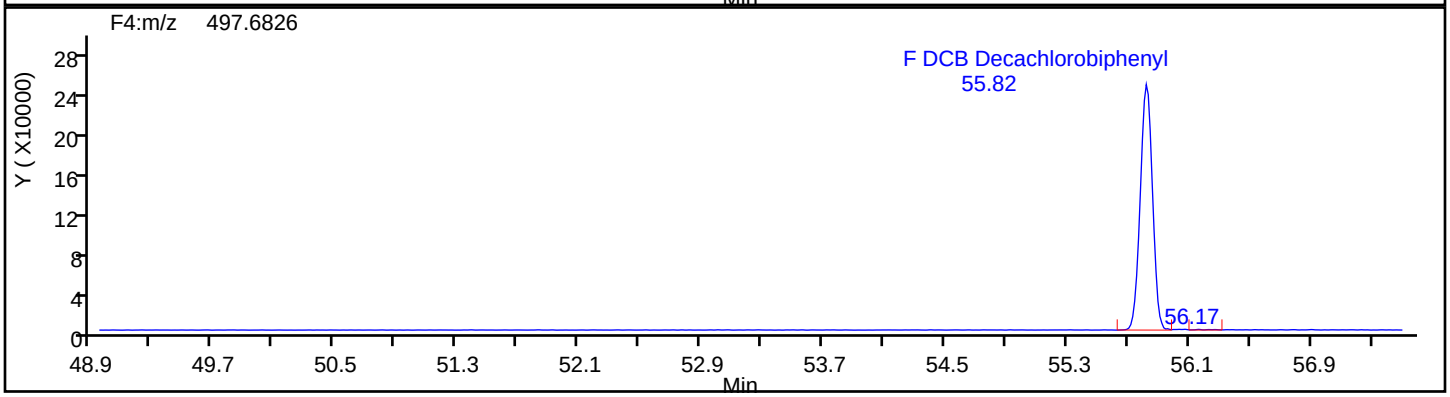
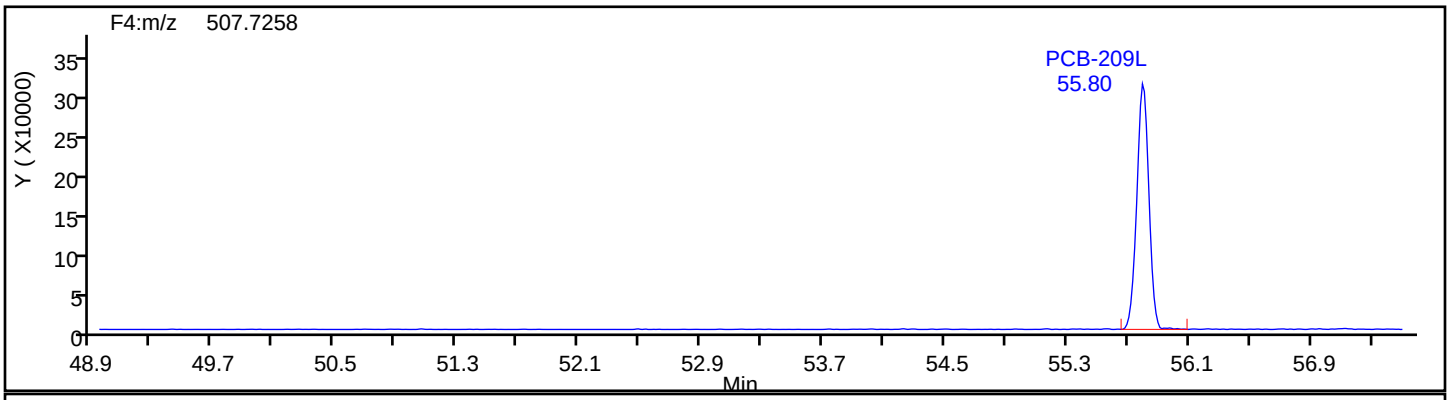
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

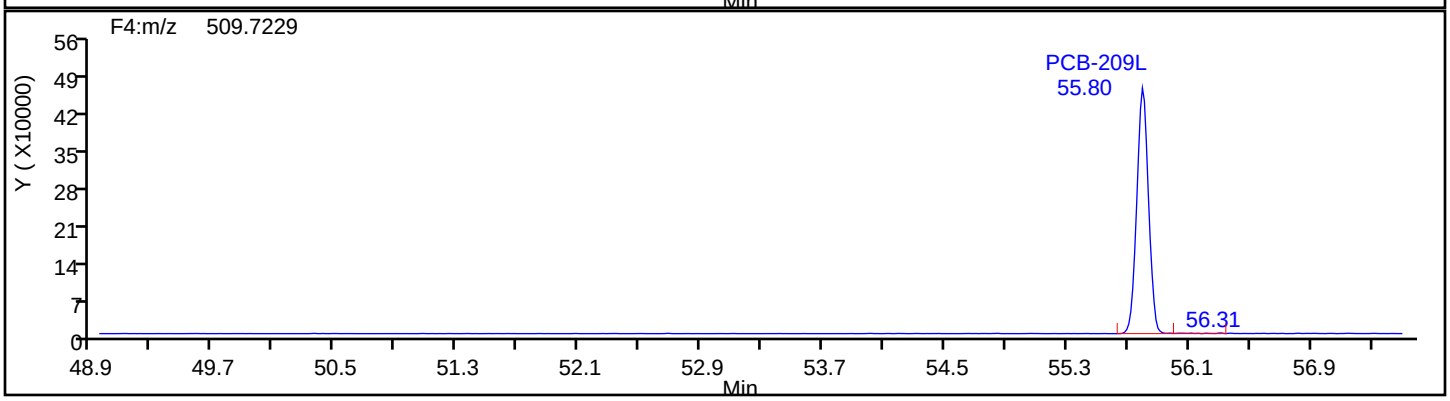
DePCB F4




DePCB F4 Standards



Report Date: 10-Oct-2019 02:23:18 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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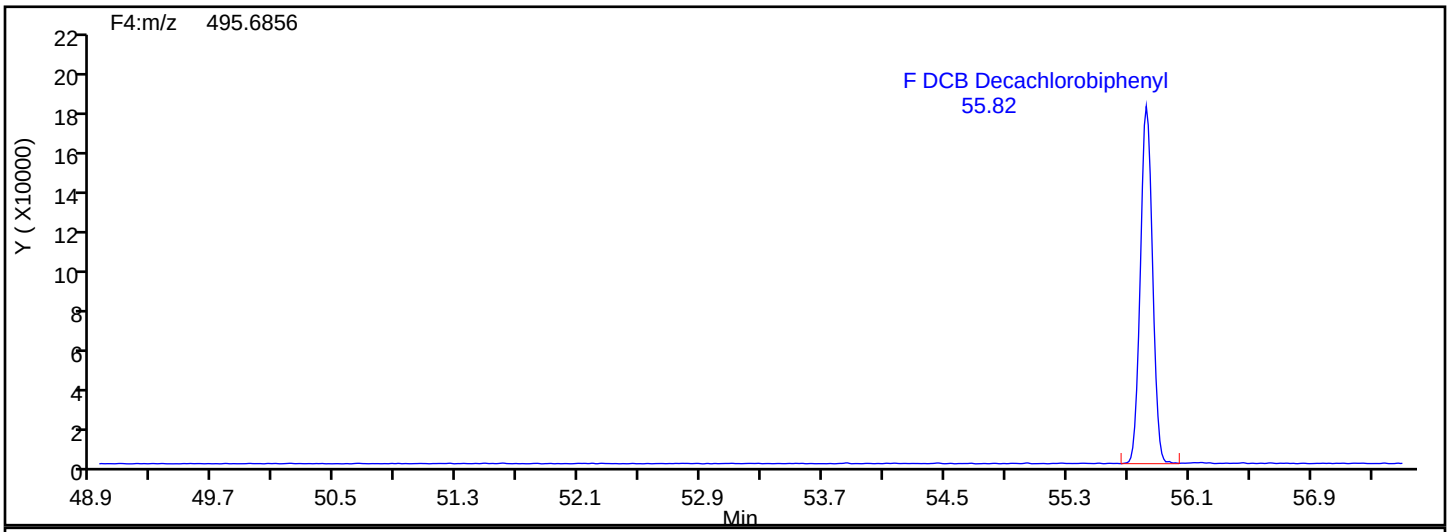
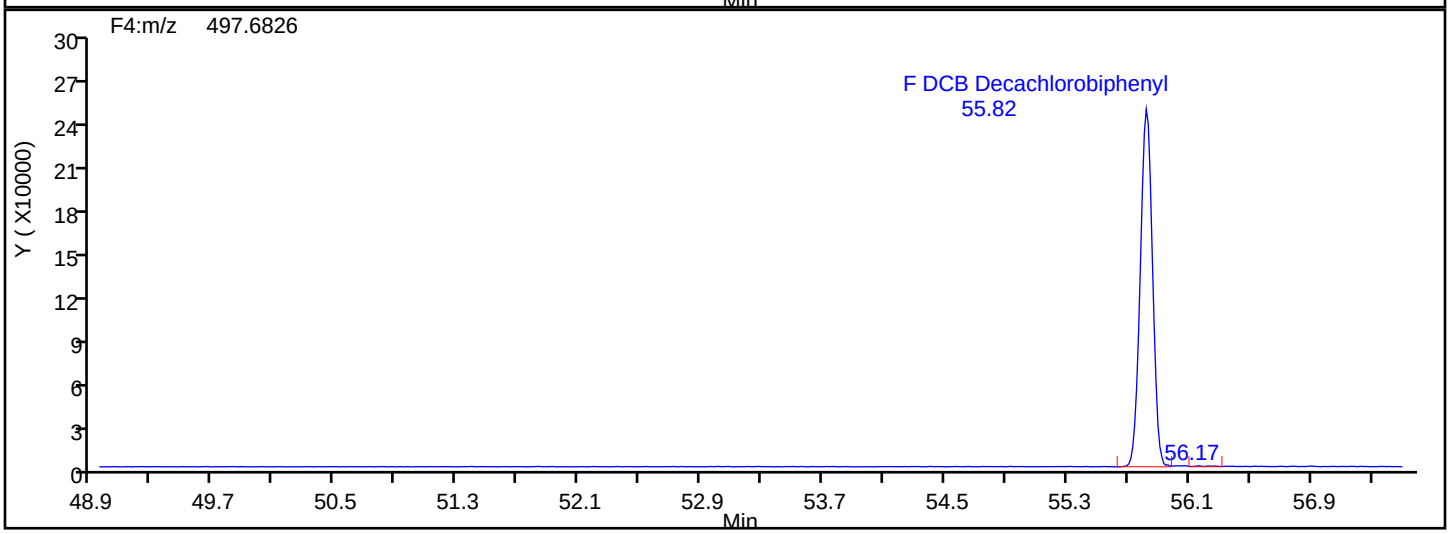
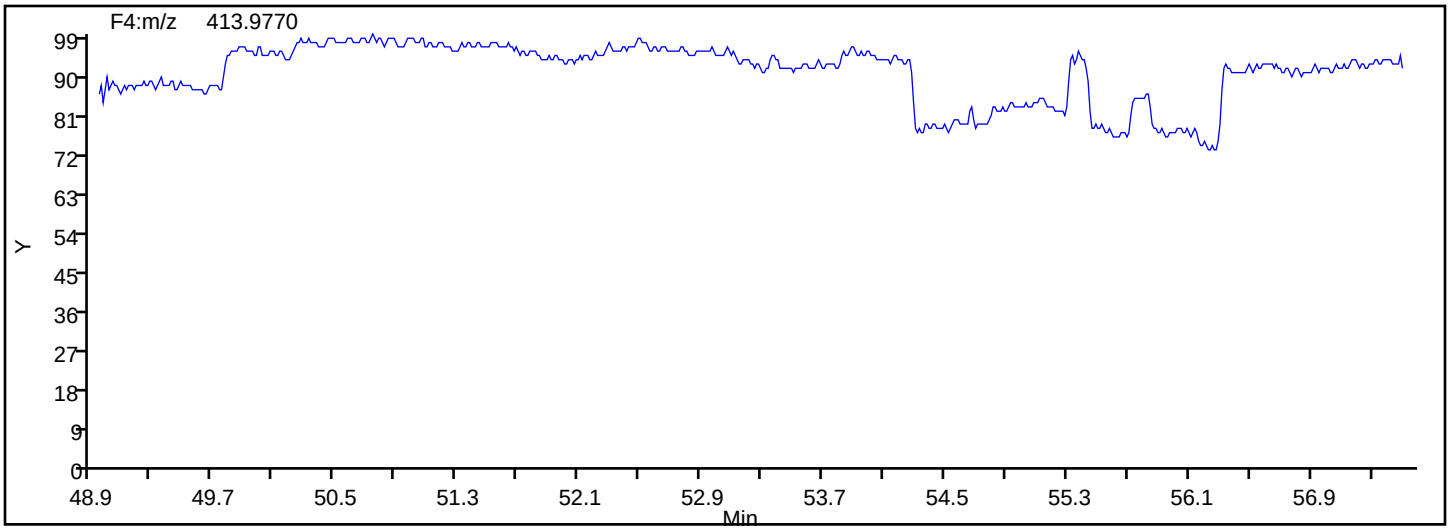
| Injection Date: | 10-Oct-2019 00:50:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34314 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34365/1  Calibration Date: 10/11/2019 12:49

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191011s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-1 | AveID | 1.188 | 1.156 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-2 | AveID | 1.191 | 1.107 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-3 | AveID | 1.213 | 1.144 | | 47.1 | 50.0 | 94 | 70-130 |
| PCB-4 | AveID | 1.253 | 1.178 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-10 | AveID | 1.483 | 1.399 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-9 | AveID | 1.420 | 1.290 | | 45.4 | 50.0 | 91 | 70-130 |
| PCB-7 | AveID | 1.624 | 1.490 | | 45.9 | 50.0 | 92 | 70-130 |
| PCB-6 | AveID | 1.554 | 1.406 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-5 | AveID | 1.561 | 1.405 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-8 | AveID | 1.588 | 1.447 | | 45.6 | 50.0 | 91 | 70-130 |
| PCB-19 | AveID | 1.305 | 1.223 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-14 | AveID | 1.874 | 1.693 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-18 | AveID | 1.819 | 1.640 | | 90.2 | 100 | 90 | 70-130 |
| PCB-18/30 | AveID | 1.819 | 1.640 | | 90.2 | 100 | 90 | 70-130 |
| PCB-30 | AveID | 1.819 | 1.640 | | 90.2 | 100 | 90 | 70-130 |
| PCB-11 | AveID | 1.635 | 1.472 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-17 | AveID | 1.564 | 1.413 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-12 | AveID | 1.641 | 1.470 | | 89.6 | 100 | 90 | 70-130 |
| PCB-12/13 | AveID | 1.641 | 1.470 | | 89.6 | 100 | 90 | 70-130 |
| PCB-13 | AveID | 1.641 | 1.470 | | 89.6 | 100 | 90 | 70-130 |
| PCB-27 | AveID | 2.168 | 1.915 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-24 | AveID | 2.102 | 1.856 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-16 | AveID | 1.226 | 1.112 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-15 | AveID | 1.402 | 1.264 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-54 | AveID | 1.256 | 1.254 | | 49.9 | 50.0 | 100 | 70-130 |
| PCB-32 | AveID | 2.342 | 2.049 | | 43.7 | 50.0 | 87 | 70-130 |
| PCB-34 | AveID | 1.215 | 1.284 | | 52.8 | 50.0 | 106 | 70-130 |
| PCB-23 | AveID | 1.268 | 1.343 | | 53.0 | 50.0 | 106 | 70-130 |
| PCB-26 | AveID | 1.319 | 1.336 | | 101 | 100 | 101 | 70-130 |
| PCB-26/29 | AveID | 1.319 | 1.336 | | 101 | 100 | 101 | 70-130 |
| PCB-29 | AveID | 1.319 | 1.336 | | 101 | 100 | 101 | 70-130 |
| PCB-25 | AveID | 1.352 | 1.378 | | 51.0 | 50.0 | 102 | 70-130 |
| PCB-50 | AveID | 0.9362 | 0.8732 | | 93.3 | 100 | 93 | 70-130 |
| PCB-50/53 | AveID | 0.9362 | 0.8732 | | 93.3 | 100 | 93 | 70-130 |
| PCB-53 | AveID | 0.9362 | 0.8732 | | 93.3 | 100 | 93 | 70-130 |
| PCB-31 | AveID | 1.381 | 1.448 | | 52.4 | 50.0 | 105 | 70-130 |
| PCB-20 | AveID | 1.306 | 1.332 | | 102 | 100 | 102 | 70-130 |
| PCB-20/28 | AveID | 1.306 | 1.332 | | 102 | 100 | 102 | 70-130 |
| PCB-28 | AveID | 1.306 | 1.332 | | 102 | 100 | 102 | 70-130 |
| PCB-45 | AveID | 0.8850 | 0.8253 | | 93.3 | 100 | 93 | 70-130 |
| PCB-45/51 | AveID | 0.8850 | 0.8253 | | 93.3 | 100 | 93 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34365/1  Calibration Date: 10/11/2019 12:49

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191011s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-51 | AveID | 0.8850 | 0.8253 | | 93.3 | 100 | 93 | 70-130 |
| PCB-21 | AveID | 1.378 | 1.399 | | 102 | 100 | 102 | 70-130 |
| PCB-21/33 | AveID | 1.378 | 1.399 | | 102 | 100 | 102 | 70-130 |
| PCB-33 | AveID | 1.378 | 1.399 | | 102 | 100 | 102 | 70-130 |
| PCB-46 | AveID | 0.7591 | 0.7098 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-22 | AveID | 1.243 | 1.305 | | 52.5 | 50.0 | 105 | 70-130 |
| PCB-52 | AveID | 0.8992 | 0.8411 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-43 | AveID | 0.999 | 0.9341 | | 93.5 | 100 | 93 | 70-130 |
| PCB-43/73 | AveID | 0.999 | 0.9341 | | 93.5 | 100 | 93 | 70-130 |
| PCB-73 | AveID | 0.999 | 0.9341 | | 93.5 | 100 | 93 | 70-130 |
| PCB-36 | AveID | 1.347 | 1.437 | | 53.3 | 50.0 | 107 | 70-130 |
| PCB-49 | AveID | 1.137 | 1.042 | | 91.7 | 100 | 92 | 70-130 |
| PCB-49/69 | AveID | 1.137 | 1.042 | | 91.7 | 100 | 92 | 70-130 |
| PCB-69 | AveID | 1.137 | 1.042 | | 91.7 | 100 | 92 | 70-130 |
| PCB-39 | AveID | 1.397 | 1.473 | | 52.7 | 50.0 | 105 | 70-130 |
| PCB-48 | AveID | 0.9454 | 0.8697 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-104 | AveID | 1.393 | 1.341 | | 48.1 | 50.0 | 96 | 70-130 |
| PCB-44 | AveID | 1.032 | 0.9234 | | 134 | 150 | 89 | 70-130 |
| PCB-44/47/65 | AveID | 1.032 | 0.9234 | | 134 | 150 | 89 | 70-130 |
| PCB-47 | AveID | 1.032 | 0.9234 | | 134 | 150 | 89 | 70-130 |
| PCB-65 | AveID | 1.032 | 0.9234 | | 134 | 150 | 89 | 70-130 |
| PCB-38 | AveID | 1.318 | 1.370 | | 52.0 | 50.0 | 104 | 70-130 |
| PCB-59 | AveID | 1.361 | 1.217 | | 134 | 150 | 89 | 70-130 |
| PCB-59/62/75 | AveID | 1.361 | 1.217 | | 134 | 150 | 89 | 70-130 |
| PCB-62 | AveID | 1.361 | 1.217 | | 134 | 150 | 89 | 70-130 |
| PCB-75 | AveID | 1.361 | 1.217 | | 134 | 150 | 89 | 70-130 |
| PCB-96 | AveID | 1.227 | 1.186 | | 48.3 | 50.0 | 97 | 70-130 |
| PCB-42 | AveID | 0.8670 | 0.8417 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-35 | AveID | 1.217 | 1.345 | | 55.3 | 50.0 | 111 | 70-130 |
| PCB-40 | AveID | 0.9179 | 0.8552 | | 140 | 150 | 93 | 70-130 |
| PCB-40/41/71 | AveID | 0.9179 | 0.8552 | | 140 | 150 | 93 | 70-130 |
| PCB-41 | AveID | 0.9179 | 0.8552 | | 140 | 150 | 93 | 70-130 |
| PCB-71 | AveID | 0.9179 | 0.8552 | | 140 | 150 | 93 | 70-130 |
| PCB-37 | AveID | 1.288 | 1.420 | | 55.1 | 50.0 | 110 | 70-130 |
| PCB-64 | AveID | 1.416 | 1.313 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-72 | AveID | 1.316 | 1.249 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-103 | AveID | 1.033 | 1.034 | | 50.0 | 50.0 | 100 | 70-130 |
| PCB-68 | AveID | 1.478 | 1.382 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-94 | AveID | 0.9036 | 0.9040 | | 50.0 | 50.0 | 100 | 70-130 |
| PCB-57 | AveID | 1.282 | 1.185 | | 46.2 | 50.0 | 92 | 70-130 |
| PCB-95 | AveID | 0.9620 | 0.9622 | | 50.0 | 50.0 | 100 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34365/1  Calibration Date: 10/11/2019 12:49

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191011s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-58 | AveID | 1.321 | 1.240 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-100 | AveID | 0.9806 | 0.9639 | | 98.3 | 100 | 98 | 70-130 |
| PCB-93 | AveID | 0.9806 | 0.9639 | | 98.3 | 100 | 98 | 70-130 |
| PCB-93/100 | AveID | 0.9806 | 0.9639 | | 98.3 | 100 | 98 | 70-130 |
| PCB-67 | AveID | 1.394 | 1.279 | | 45.8 | 50.0 | 92 | 70-130 |
| PCB-102 | AveID | 0.9888 | 0.9756 | | 98.7 | 100 | 99 | 70-130 |
| PCB-98 | AveID | 0.9888 | 0.9756 | | 98.7 | 100 | 99 | 70-130 |
| PCB-98/102 | AveID | 0.9888 | 0.9756 | | 98.7 | 100 | 99 | 70-130 |
| PCB-63 | AveID | 1.468 | 1.361 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-88 | AveID | 1.005 | 0.9547 | | 95.0 | 100 | 95 | 70-130 |
| PCB-88/91 | AveID | 1.005 | 0.9547 | | 95.0 | 100 | 95 | 70-130 |
| PCB-91 | AveID | 1.005 | 0.9547 | | 95.0 | 100 | 95 | 70-130 |
| PCB-61 | AveID | 1.357 | 1.183 | | 174 | 200 | 87 | 70-130 |
| PCB-61/70/74/76 | AveID | 1.357 | 1.183 | | 174 | 200 | 87 | 70-130 |
| PCB-70 | AveID | 1.357 | 1.183 | | 174 | 200 | 87 | 70-130 |
| PCB-74 | AveID | 1.357 | 1.183 | | 174 | 200 | 87 | 70-130 |
| PCB-76 | AveID | 1.357 | 1.183 | | 174 | 200 | 87 | 70-130 |
| PCB-84 | AveID | 0.8601 | 0.8195 | | 47.6 | 50.0 | 95 | 70-130 |
| PCB-66 | AveID | 1.280 | 1.151 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-55 | AveID | 1.295 | 1.168 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-89 | AveID | 0.8936 | 0.8710 | | 48.7 | 50.0 | 97 | 70-130 |
| PCB-56 | AveID | 1.267 | 1.133 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-121 | AveID | 1.397 | 1.319 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-60 | AveID | 1.329 | 1.181 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-92 | AveID | 0.9532 | 0.9266 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-80 | AveID | 1.469 | 1.338 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-155 | AveID | 1.303 | 1.179 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-152 | AveID | 1.256 | 1.110 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-101 | AveID | 1.137 | 1.085 | | 143 | 150 | 95 | 70-130 |
| PCB-113 | AveID | 1.137 | 1.085 | | 143 | 150 | 95 | 70-130 |
| PCB-90 | AveID | 1.137 | 1.085 | | 143 | 150 | 95 | 70-130 |
| PCB-90/101/113 | AveID | 1.137 | 1.085 | | 143 | 150 | 95 | 70-130 |
| PCB-150 | AveID | 1.237 | 1.137 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-136 | AveID | 1.156 | 1.043 | | 45.1 | 50.0 | 90 | 70-130 |
| PCB-83 | AveID | 0.9393 | 0.9298 | | 99.0 | 100 | 99 | 70-130 |
| PCB-83/99 | AveID | 0.9393 | 0.9298 | | 99.0 | 100 | 99 | 70-130 |
| PCB-99 | AveID | 0.9393 | 0.9298 | | 99.0 | 100 | 99 | 70-130 |
| PCB-112 | AveID | 1.367 | 1.330 | | 48.6 | 50.0 | 97 | 70-130 |
| PCB-145 | AveID | 1.191 | 1.072 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-109 | AveID | 1.196 | 1.099 | | 276 | 300 | 92 | 70-130 |
| PCB-119 | AveID | 1.196 | 1.099 | | 276 | 300 | 92 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34365/1  Calibration Date: 10/11/2019 12:49

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191011s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-125 | AveID | 1.196 | 1.099 | | 276 | 300 | 92 | 70-130 |
| PCB-79 | AveID | 1.542 | 1.376 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-86 | AveID | 1.196 | 1.099 | | 276 | 300 | 92 | 70-130 |
| PCB-86/87/97/109/119/125 | AveID | 1.196 | 1.099 | | 276 | 300 | 92 | 70-130 |
| PCB-87 | AveID | 1.196 | 1.099 | | 276 | 300 | 92 | 70-130 |
| PCB-97 | AveID | 1.196 | 1.099 | | 276 | 300 | 92 | 70-130 |
| PCB-78 | AveID | 1.315 | 1.152 | | 43.8 | 50.0 | 88 | 70-130 |
| PCB-116 | AveID | 1.213 | 1.147 | | 142 | 150 | 95 | 70-130 |
| PCB-117 | AveID | 1.213 | 1.147 | | 142 | 150 | 95 | 70-130 |
| PCB-85 | AveID | 1.213 | 1.147 | | 142 | 150 | 95 | 70-130 |
| PCB-85/116/117 | AveID | 1.213 | 1.147 | | 142 | 150 | 95 | 70-130 |
| PCB-110 | AveID | 1.351 | 1.275 | | 94.4 | 100 | 94 | 70-130 |
| PCB-110/115 | AveID | 1.351 | 1.275 | | 94.4 | 100 | 94 | 70-130 |
| PCB-115 | AveID | 1.351 | 1.275 | | 94.4 | 100 | 94 | 70-130 |
| PCB-81 | AveID | 1.321 | 1.239 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-82 | AveID | 0.8675 | 0.8393 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-148 | AveID | 0.8982 | 0.8134 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-77 | AveID | 1.331 | 1.246 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-111 | AveID | 1.426 | 1.375 | | 48.2 | 50.0 | 96 | 70-130 |
| PCB-135 | AveID | 0.8691 | 0.7878 | | 90.6 | 100 | 91 | 70-130 |
| PCB-135/151 | AveID | 0.8691 | 0.7878 | | 90.6 | 100 | 91 | 70-130 |
| PCB-151 | AveID | 0.8691 | 0.7878 | | 90.6 | 100 | 91 | 70-130 |
| PCB-120 | AveID | 1.491 | 1.394 | | 46.7 | 50.0 | 93 | 70-130 |
| PCB-154 | AveID | 1.018 | 0.9147 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-144 | AveID | 0.9185 | 0.8357 | | 45.5 | 50.0 | 91 | 70-130 |
| PCB-147 | AveID | 0.9747 | 0.8750 | | 89.8 | 100 | 90 | 70-130 |
| PCB-147/149 | AveID | 0.9747 | 0.8750 | | 89.8 | 100 | 90 | 70-130 |
| PCB-149 | AveID | 0.9747 | 0.8750 | | 89.8 | 100 | 90 | 70-130 |
| PCB-134 | AveID | 0.8518 | 0.7730 | | 90.7 | 100 | 91 | 70-130 |
| PCB-134/143 | AveID | 0.8518 | 0.7730 | | 90.7 | 100 | 91 | 70-130 |
| PCB-143 | AveID | 0.8518 | 0.7730 | | 90.7 | 100 | 91 | 70-130 |
| PCB-108 | AveID | 1.255 | 1.248 | | 99.5 | 100 | 99 | 70-130 |
| PCB-108/124 | AveID | 1.255 | 1.248 | | 99.5 | 100 | 99 | 70-130 |
| PCB-124 | AveID | 1.255 | 1.248 | | 99.5 | 100 | 99 | 70-130 |
| PCB-139 | AveID | 1.000 | 0.8850 | | 88.5 | 100 | 89 | 70-130 |
| PCB-139/140 | AveID | 1.000 | 0.8850 | | 88.5 | 100 | 89 | 70-130 |
| PCB-140 | AveID | 1.000 | 0.8850 | | 88.5 | 100 | 89 | 70-130 |
| PCB-107 | AveID | 1.358 | 1.415 | | 52.1 | 50.0 | 104 | 70-130 |
| PCB-131 | AveID | 0.8584 | 0.7774 | | 45.3 | 50.0 | 91 | 70-130 |
| PCB-123 | AveID | 1.341 | 1.380 | | 51.5 | 50.0 | 103 | 70-130 |
| PCB-106 | AveID | 1.275 | 1.232 | | 48.3 | 50.0 | 97 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34365/1  Calibration Date: 10/11/2019 12:49

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191011s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-142 | AveID | 0.8597 | 0.7770 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-118 | AveID | 1.289 | 1.325 | | 51.4 | 50.0 | 103 | 70-130 |
| PCB-132 | AveID | 0.8801 | 0.7901 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-122 | AveID | 1.161 | 1.178 | | 50.7 | 50.0 | 101 | 70-130 |
| PCB-114 | AveID | 1.405 | 1.415 | | 50.3 | 50.0 | 101 | 70-130 |
| PCB-188 | AveID | 1.250 | 1.213 | | 48.5 | 50.0 | 97 | 70-130 |
| PCB-133 | AveID | 0.9064 | 0.8150 | | 45.0 | 50.0 | 90 | 70-130 |
| PCB-179 | AveID | 1.415 | 1.371 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-165 | AveID | 1.121 | 1.013 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-105 | AveID | 1.289 | 1.328 | | 51.5 | 50.0 | 103 | 70-130 |
| PCB-146 | AveID | 1.008 | 0.9110 | | 45.2 | 50.0 | 90 | 70-130 |
| PCB-161 | AveID | 1.337 | 1.162 | | 43.4 | 50.0 | 87 | 70-130 |
| PCB-184 | AveID | 1.419 | 1.363 | | 48.0 | 50.0 | 96 | 70-130 |
| PCB-176 | AveID | 1.521 | 1.503 | | 49.4 | 50.0 | 99 | 70-130 |
| PCB-153 | AveID | 1.221 | 1.098 | | 90.0 | 100 | 90 | 70-130 |
| PCB-153/168 | AveID | 1.221 | 1.098 | | 90.0 | 100 | 90 | 70-130 |
| PCB-168 | AveID | 1.221 | 1.098 | | 90.0 | 100 | 90 | 70-130 |
| PCB-141 | AveID | 0.9608 | 0.8492 | | 44.2 | 50.0 | 88 | 70-130 |
| PCB-186 | AveID | 1.435 | 1.416 | | 49.4 | 50.0 | 99 | 70-130 |
| PCB-130 | AveID | 0.8274 | 0.7435 | | 44.9 | 50.0 | 90 | 70-130 |
| PCB-127 | AveID | 1.284 | 1.343 | | 52.3 | 50.0 | 105 | 70-130 |
| PCB-137 | AveID | 1.058 | 0.9128 | | 43.1 | 50.0 | 86 | 70-130 |
| PCB-164 | AveID | 1.253 | 1.116 | | 44.6 | 50.0 | 89 | 70-130 |
| PCB-129 | AveID | 1.084 | 0.9478 | | 175 | 200 | 87 | 70-130 |
| PCB-129/138/160/163 | AveID | 1.084 | 0.9478 | | 175 | 200 | 87 | 70-130 |
| PCB-138 | AveID | 1.084 | 0.9478 | | 175 | 200 | 87 | 70-130 |
| PCB-160 | AveID | 1.084 | 0.9478 | | 175 | 200 | 87 | 70-130 |
| PCB-163 | AveID | 1.084 | 0.9478 | | 175 | 200 | 87 | 70-130 |
| PCB-158 | AveID | 1.386 | 1.207 | | 43.5 | 50.0 | 87 | 70-130 |
| PCB-178 | AveID | 1.023 | 1.036 | | 50.6 | 50.0 | 101 | 70-130 |
| PCB-175 | AveID | 1.069 | 1.072 | | 50.1 | 50.0 | 100 | 70-130 |
| PCB-126 | AveID | 1.342 | 1.371 | | 51.1 | 50.0 | 102 | 70-130 |
| PCB-128 | AveID | 1.116 | 0.998 | | 89.4 | 100 | 89 | 70-130 |
| PCB-128/166 | AveID | 1.116 | 0.998 | | 89.4 | 100 | 89 | 70-130 |
| PCB-166 | AveID | 1.116 | 0.998 | | 89.4 | 100 | 89 | 70-130 |
| PCB-187 | AveID | 1.111 | 1.135 | | 51.1 | 50.0 | 102 | 70-130 |
| PCB-182 | AveID | 1.148 | 1.158 | | 50.4 | 50.0 | 101 | 70-130 |
| PCB-183 | AveID | 1.137 | 1.139 | | 100 | 100 | 100 | 70-130 |
| PCB-183/185 | AveID | 1.137 | 1.139 | | 100 | 100 | 100 | 70-130 |
| PCB-185 | AveID | 1.137 | 1.139 | | 100 | 100 | 100 | 70-130 |
| PCB-174 | AveID | 0.9547 | 0.9807 | | 51.4 | 50.0 | 103 | 70-130 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34365/1  Calibration Date: 10/11/2019 12:49

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191011s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-159 | AveID | 1.318 | 1.170 | | 44.4 | 50.0 | 89 | 70-130 |
| PCB-162 | AveID | 1.362 | 1.218 | | 44.7 | 50.0 | 89 | 70-130 |
| PCB-177 | AveID | 0.9426 | 0.9704 | | 51.5 | 50.0 | 103 | 70-130 |
| PCB-202 | AveID | 1.053 | 0.9800 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-167 | AveID | 1.336 | 1.243 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-181 | AveID | 1.107 | 1.138 | | 51.4 | 50.0 | 103 | 70-130 |
| PCB-171 | AveID | 0.9603 | 0.9819 | | 102 | 100 | 102 | 70-130 |
| PCB-171/173 | AveID | 0.9603 | 0.9819 | | 102 | 100 | 102 | 70-130 |
| PCB-173 | AveID | 0.9603 | 0.9819 | | 102 | 100 | 102 | 70-130 |
| PCB-201 | AveID | 1.186 | 1.090 | | 46.0 | 50.0 | 92 | 70-130 |
| PCB-156 | AveID | 1.276 | 1.207 | | 94.6 | 100 | 95 | 70-130 |
| PCB-156/157 | AveID | 1.276 | 1.207 | | 94.6 | 100 | 95 | 70-130 |
| PCB-157 | AveID | 1.276 | 1.207 | | 94.6 | 100 | 95 | 70-130 |
| PCB-204 | AveID | 1.101 | 1.042 | | 47.3 | 50.0 | 95 | 70-130 |
| PCB-197 | AveID | 1.205 | 1.137 | | 47.2 | 50.0 | 94 | 70-130 |
| PCB-200 | AveID | 1.126 | 1.048 | | 46.5 | 50.0 | 93 | 70-130 |
| PCB-172 | AveID | 0.9918 | 1.026 | | 51.7 | 50.0 | 103 | 70-130 |
| PCB-192 | AveID | 1.290 | 1.331 | | 51.6 | 50.0 | 103 | 70-130 |
| PCB-180 | AveID | 1.229 | 1.261 | | 103 | 100 | 103 | 70-130 |
| PCB-180/193 | AveID | 1.229 | 1.261 | | 103 | 100 | 103 | 70-130 |
| PCB-193 | AveID | 1.229 | 1.261 | | 103 | 100 | 103 | 70-130 |
| PCB-191 | AveID | 1.385 | 1.418 | | 51.2 | 50.0 | 102 | 70-130 |
| PCB-170 | AveID | 1.270 | 1.335 | | 52.6 | 50.0 | 105 | 70-130 |
| PCB-190 | AveID | 1.377 | 1.402 | | 50.9 | 50.0 | 102 | 70-130 |
| PCB-169 | AveID | 1.283 | 1.205 | | 47.0 | 50.0 | 94 | 70-130 |
| PCB-198 | AveID | 0.8183 | 0.7721 | | 94.4 | 100 | 94 | 70-130 |
| PCB-198/199 | AveID | 0.8183 | 0.7721 | | 94.4 | 100 | 94 | 70-130 |
| PCB-199 | AveID | 0.8183 | 0.7721 | | 94.4 | 100 | 94 | 70-130 |
| PCB-196 | AveID | 0.8748 | 0.8105 | | 46.3 | 50.0 | 93 | 70-130 |
| PCB-203 | AveID | 0.9219 | 0.8655 | | 46.9 | 50.0 | 94 | 70-130 |
| PCB-208 | AveID | 1.157 | 1.103 | | 47.7 | 50.0 | 95 | 70-130 |
| PCB-195 | AveID | 0.7839 | 0.8884 | | 56.7 | 50.0 | 113 | 70-130 |
| PCB-189 | AveID | 1.280 | 1.311 | | 51.2 | 50.0 | 102 | 70-130 |
| PCB-207 | AveID | 1.396 | 1.351 | | 48.4 | 50.0 | 97 | 70-130 |
| PCB-194 | AveID | 0.9282 | 0.9502 | | 51.2 | 50.0 | 102 | 70-130 |
| PCB-205 | AveID | 1.234 | 1.212 | | 49.1 | 50.0 | 98 | 70-130 |
| PCB-206 | AveID | 1.193 | 1.116 | | 46.8 | 50.0 | 94 | 70-130 |
| PCB-209 | AveID | 1.246 | 1.184 | | 47.5 | 50.0 | 95 | 70-130 |
| PCB-1L | Ave | 1.314 | 1.377 | | 105 | 100 | 105 | 50-150 |
| PCB-3L | Ave | 1.362 | 1.382 | | 102 | 100 | 102 | 50-150 |
| PCB-4L | Ave | 0.5996 | 0.6472 | | 108 | 100 | 108 | 50-150 |

FORM VII
HI-RES PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Lab Sample ID: WDMCCV 140-34365/1  Calibration Date: 10/11/2019 12:49

Instrument ID: D3D  Calib Start Date: 08/21/2019 13:37

GC Column: SPB-Octyl  ID: 0.25(mm)  Calib End Date: 08/21/2019 19:05

Lab File ID: d4191011s2.d  Conc. Units: pg/uL

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %REC | %REC LIMITS |
|---|---|---|---|---|---|---|---|---|
| PCB-19L | Ave | 0.6095 | 0.6462 | | 106 | 100 | 106 | 50-150 |
| PCB-15L | Ave | 1.028 | 1.072 | | 104 | 100 | 104 | 50-150 |
| PCB-54L | Ave | 0.6515 | 0.6927 | | 106 | 100 | 106 | 50-150 |
| PCB-104L | Ave | 1.116 | 1.215 | | 109 | 100 | 109 | 50-150 |
| PCB-37L | Ave | 0.9024 | 0.9692 | | 107 | 100 | 107 | 50-150 |
| PCB-155L | Ave | 0.9499 | 1.154 | | 122 | 100 | 122 | 50-150 |
| PCB-81L | Ave | 1.233 | 1.311 | | 106 | 100 | 106 | 50-150 |
| PCB-77L | Ave | 1.252 | 1.344 | | 107 | 100 | 107 | 50-150 |
| PCB-123L | Ave | 0.9909 | 0.9899 | | 99.9 | 100 | 100 | 50-150 |
| PCB-118L | Ave | 1.026 | 1.031 | | 100 | 100 | 100 | 50-150 |
| PCB-114L | Ave | 1.003 | 0.995 | | 99.2 | 100 | 99 | 50-150 |
| PCB-188L | Ave | 1.316 | 1.291 | | 98.1 | 100 | 98 | 50-150 |
| PCB-105L | Ave | 1.001 | 0.9924 | | 99.1 | 100 | 99 | 50-150 |
| PCB-126L | Ave | 0.9020 | 0.9781 | | 108 | 100 | 108 | 50-150 |
| PCB-202L | Ave | 1.006 | 1.060 | | 105 | 100 | 105 | 50-150 |
| PCB-167L | Ave | 1.254 | 1.266 | | 101 | 100 | 101 | 50-150 |
| PCB-156L | Ave | 1.229 | 1.240 | | 202 | 200 | 101 | 50-150 |
| PCB-156L/157L | Ave | 1.229 | 1.240 | | 202 | 200 | 101 | 50-150 |
| PCB-157L | Ave | 1.229 | 1.240 | | 202 | 200 | 101 | 50-150 |
| PCB-170L | Ave | 0.8357 | 0.8162 | | 97.7 | 100 | 98 | 50-150 |
| PCB-169L | Ave | 1.088 | 1.279 | | 118 | 100 | 118 | 50-150 |
| PCB-208L | Ave | 1.138 | 1.100 | | 96.6 | 100 | 97 | 50-150 |
| PCB-189L | Ave | 1.467 | 1.793 | | 122 | 100 | 122 | 50-150 |
| PCB-205L | Ave | 1.287 | 1.201 | | 93.3 | 100 | 93 | 50-150 |
| PCB-206L | Ave | 0.8938 | 0.7569 | | 84.7 | 100 | 85 | 50-150 |
| PCB-209L | Ave | 0.9809 | 0.7429 | | 75.7 | 100 | 76 | 50-150 |
| PCB-8L | AveID | 1.309 | 1.117 | | 42.7 | 50.0 | 85 | 50-150 |
| PCB-28L | Ave | 1.098 | 1.101 | | 50.2 | 50.0 | 100 | 60-130 |
| PCB-95L | AveID | 0.7770 | 0.7413 | | 47.7 | 50.0 | 95 | 50-150 |
| PCB-79L | AveID | 1.124 | 1.011 | | 45.0 | 50.0 | 90 | 50-150 |
| PCB-111L | Ave | 1.218 | 1.323 | | 54.3 | 50.0 | 109 | 60-130 |
| PCB-153L | AveID | 0.9597 | 0.8192 | | 42.7 | 50.0 | 85 | 50-150 |
| PCB-178L | Ave | 0.9222 | 0.9632 | | 52.2 | 50.0 | 104 | 60-130 |

# Resolution Check Report ( DFS SN: 343 )

eurofins Environment Testing TestAmerica

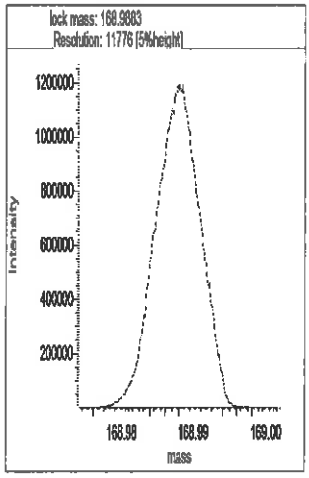
| | |
|---|---|
| Date: | 11 Oct 2019 17:04 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

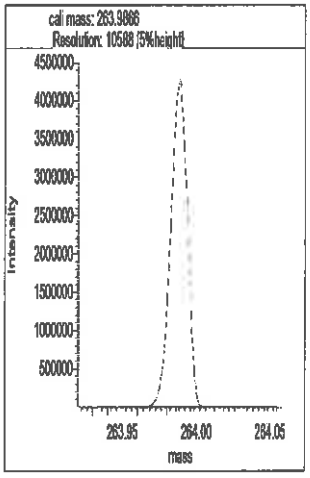
## Segment 1

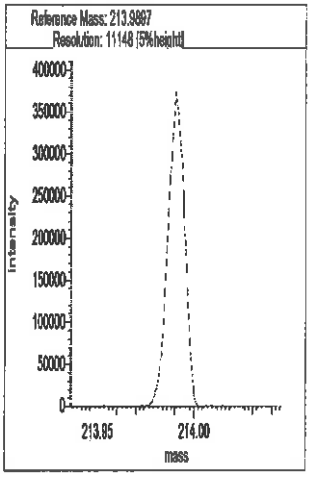
Lock mass 168.9883 [m/z] Resolution: 11776 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10588 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 11148 [5%height]




## Segment 2

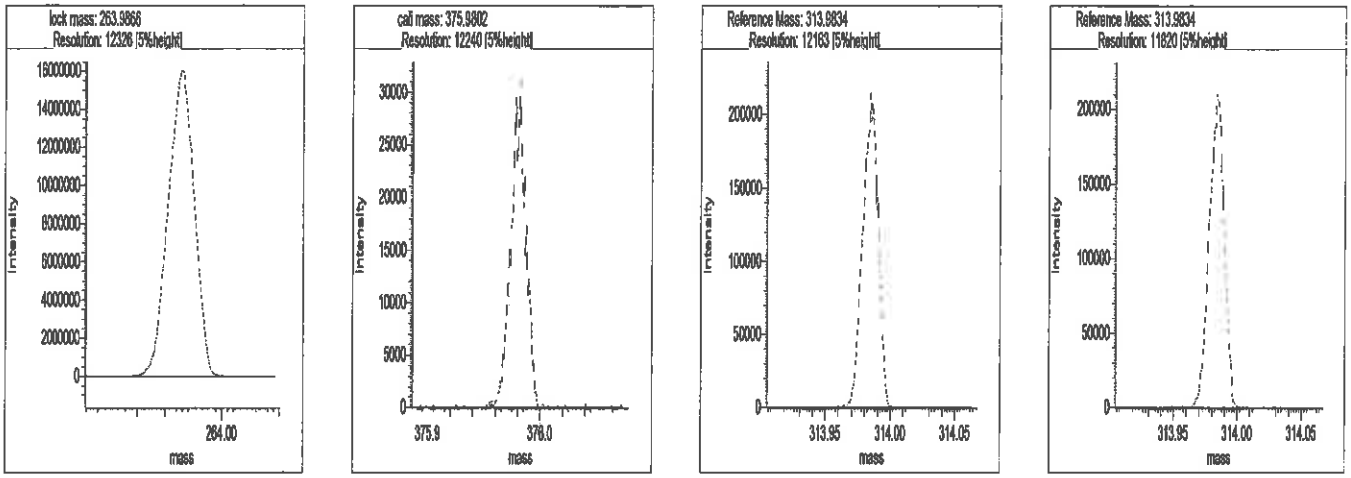
Lock mass 263.9866 [m/z] Resolution: 12326 [5%height]

Cali. mass 375.9802 [m/z] Resolution: 12240 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 12163 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 11820 [5%height]

_ d4191011s1b close

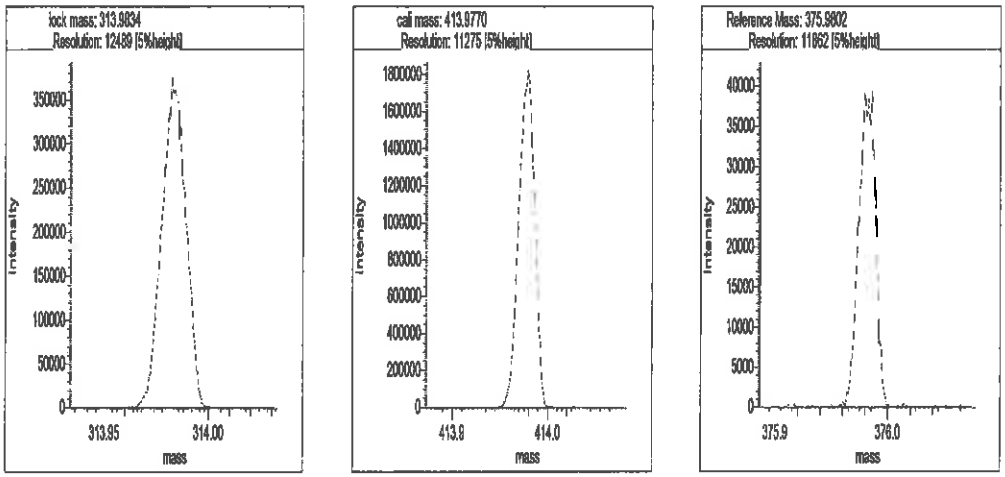



Segment 3

Lock mass 313.9834 [m/z] Resolution: 12489 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 11275 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 11862 [5%height]

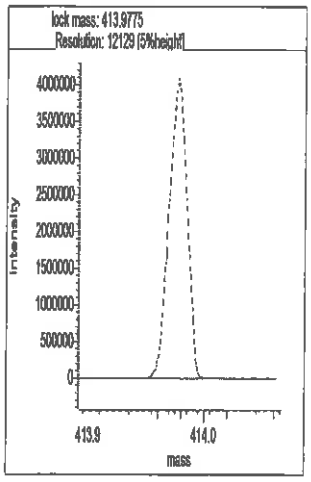


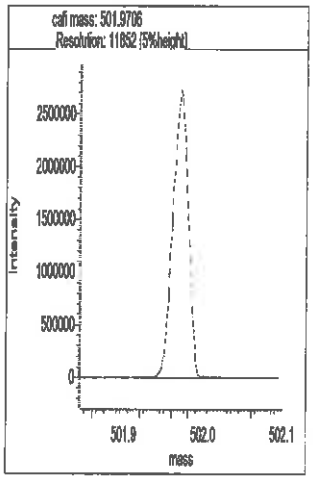

Segment 4

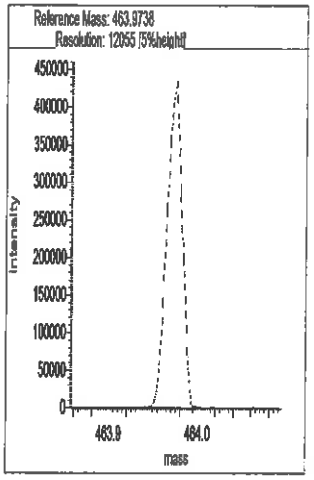
Lock mass 413.9775 [m/z] Resolution: 12129 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 11852 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12055 [5%height]


lock mass: 413.9775
Resolution: 12129 [5%height]
Intensity
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
413.9
414.0
mass


calib mass: 501.9706
Resolution: 11852 [5%height]
Intensity
2500000
2000000
1500000
1000000
500000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12055 [5%height]
Intensity
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
463.9
464.0
mass

```
Reports
17:13:38:  Peak matching procedure started
17:13:39:
17:13:40:  Reference mass: 168.98827
17:13:40:  Sample mass: 214.0
17:13:41:
17:13:41:  Finding reference mass
17:13:42:  Finding sample mass
17:13:42:
17:13:48:  [1]   213.9899 amu, mean: 213.9899
17:13:51:  [2]   213.9900 amu, mean: 213.9899     SD: 0.06 mmu or: 0.30 ppm
17:13:54:  [3]   213.9901 amu, mean: 213.9900     SD: 0.09 mmu or: 0.41 ppm
17:13:57:  [4]   213.9902 amu, mean: 213.9900     SD: 0.12 mmu or: 0.57 ppm
17:13:58:
17:13:58:  Stop requested. Please wait for procedure to finish.
17:13:58:
17:14:01:
17:14:01:  Peakmatching stopped
```

Signature 10/14/19

Reports

```
17:14:21:  Peak matching procedure started
17:14:21:
17:14:22:  Reference mass: 213.98975
17:14:22:  Sample mass: 264.0
17:14:23:
17:14:23:  Finding reference mass
17:14:24:  Finding sample mass
17:14:25:
17:14:30:  [1]   263.9870 amu, mean: 263.9870
17:14:33:  [2]   263.9871 amu, mean: 263.9871     SD: 0.13 mmu or: 0.49 ppm
17:14:36:  [3]   263.9870 amu, mean: 263.9870     SD: 0.09 mmu or: 0.35 ppm
17:14:40:  [4]   263.9868 amu, mean: 263.9870     SD: 0.13 mmu or: 0.49 ppm
17:14:40:
17:14:40:  Stop requested. Please wait for procedure to finish.
17:14:40:
17:14:43:
17:14:44:  Peakmatching stopped
```

Signature

```
Reports
17:15:00:  Peak matching procedure started
17:15:01:
17:15:02:  Reference mass: 263.98656
17:15:02:  Sample mass: 314.0
17:15:03:
17:15:03:  Finding reference mass
17:15:04:  Finding sample mass
17:15:05:
17:15:10:  [1]    313.9842 amu, mean: 313.9842
17:15:13:  [2]    313.9839 amu, mean: 313.9840     SD: 0.18 mmu or: 0.56 ppm
17:15:17:  [3]    313.9840 amu, mean: 313.9840     SD: 0.12 mmu or: 0.40 ppm
17:15:20:  [4]    313.9837 amu, mean: 313.9839     SD: 0.21 mmu or: 0.66 ppm
17:15:20:
17:15:20:  Stop requested. Please wait for procedure to finish.
17:15:20:
17:15:23:
17:15:23:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
17:16:12:  Peak matching procedure started
17:16:12:
17:16:13:  Reference mass: 313.98336
17:16:13:  Sample mass: 376.0
17:16:14:
17:16:14:  Finding reference mass
17:16:15:  Finding sample mass
17:16:16:
17:16:21:  [1]    375.9811 amu, mean: 375.9811
17:16:24:  [2]    375.9804 amu, mean: 375.9807     SD: 0.44 mmu or: 1.17 ppm
17:16:27:  [3]    375.9800 amu, mean: 375.9805     SD: 0.52 mmu or: 1.39 ppm
17:16:31:  [4]    375.9799 amu, mean: 375.9804     SD: 0.51 mmu or: 1.36 ppm
17:16:32:
17:16:32:  Stop requested. Please wait for procedure to finish.
17:16:32:
17:16:34:  [5]    375.9809 amu, mean: 375.9805     SD: 0.51 mmu or: 1.36 ppm
17:16:36:
17:16:36:  Peakmatching stopped
```

Signature

```
Reports
17:16:12:  Peak matching procedure started
17:16:12:
17:16:13:  Reference mass: 313.98336
17:16:13:  Sample mass: 376.0
17:16:14:
17:16:14:  Finding reference mass
17:16:15:  Finding sample mass
17:16:16:
17:16:21:  [1]    375.9811 amu, mean: 375.9811
17:16:24:  [2]    375.9804 amu, mean: 375.9807     SD: 0.44 mmu or: 1.17 ppm
17:16:27:  [3]    375.9800 amu, mean: 375.9805     SD: 0.52 mmu or: 1.39 ppm
17:16:31:  [4]    375.9799 amu, mean: 375.9804     SD: 0.51 mmu or: 1.36 ppm
17:16:32:
17:16:32:  Stop requested. Please wait for procedure to finish.
17:16:32:
17:16:34:  [5]    375.9809 amu, mean: 375.9805     SD: 0.51 mmu or: 1.36 ppm
17:16:36:
17:16:36:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
17:17:27:  Peak matching procedure started
17:17:27:
17:17:28:  Reference mass: 375.98017
17:17:28:  Sample mass: 414.0
17:17:29:
17:17:29:  Finding reference mass
17:17:30:  Finding sample mass
17:17:30:
17:17:36:  [1]    413.9776 amu, mean: 413.9776
17:17:39:  [2]    413.9775 amu, mean: 413.9775     SD: 0.11 mmu or: 0.26 ppm
17:17:42:  [3]    413.9772 amu, mean: 413.9774     SD: 0.22 mmu or: 0.53 ppm
17:17:45:  [4]    413.9781 amu, mean: 413.9776     SD: 0.38 mmu or: 0.91 ppm
17:17:46:
17:17:46:  Stop requested. Please wait for procedure to finish.
17:17:46:
17:17:48:
17:17:49:  Peakmatching stopped
```

Signature

Reports

```
17:18:05:  Peak matching procedure started
17:18:06:
17:18:06:  Reference mass: 413.97698
17:18:07:  Sample mass: 464.0
17:18:07:
17:18:08:  Finding reference mass
17:18:09:  Finding sample mass
17:18:09:
17:18:15:  [1]    463.9742 amu, mean: 463.9742
17:18:18:  [2]    463.9739 amu, mean: 463.9741     SD: 0.22 mmu or: 0.48 ppm
17:18:22:  [3]    463.9740 amu, mean: 463.9740     SD: 0.16 mmu or: 0.34 ppm
17:18:25:  [4]    463.9741 amu, mean: 463.9740     SD: 0.13 mmu or: 0.28 ppm
17:18:26:
17:18:26:  Stop requested. Please wait for procedure to finish.
17:18:26:
17:18:28:  [5]    463.9738 amu, mean: 463.9740     SD: 0.16 mmu or: 0.34 ppm
17:18:29:
17:18:30:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
17:18:44:  Peak matching procedure started
17:18:44:
17:18:45:  Reference mass: 463.97378
17:18:45:  Sample mass: 502.0
17:18:46:
17:18:47:  Finding reference mass
17:18:48:  Finding sample mass
17:18:48:
17:18:54:  [1]    501.9715 amu, mean: 501.9715
17:18:57:  [2]    501.9714 amu, mean: 501.9715     SD: 0.11 mmu or: 0.22 ppm
17:19:00:  [3]    501.9716 amu, mean: 501.9715     SD: 0.12 mmu or: 0.24 ppm
17:19:03:  [4]    501.9720 amu, mean: 501.9716     SD: 0.24 mmu or: 0.49 ppm
17:19:03:
17:19:03:  Stop requested. Please wait for procedure to finish.
17:19:03:
17:19:06:
17:19:07:  Peakmatching stopped
```

Signature 10/11/19

# Resolution Check Report ( DFS SN: 343 )

eurofins | Environment Testing TestAmerica

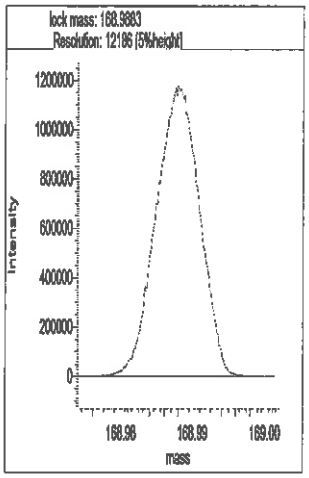
| | |
|---|---|
| Date: | 11 Oct 2019 10:28 |
| MID Experiment: | ResCheck_pcb |
| Target Resolution: | 10000 |
| Resolution Warning : | 9500 |
| Resolution Error : | 9000 |
| Reference: | FC43KnxPCB.lua |
| Status: | RESOLUTION PASSED |

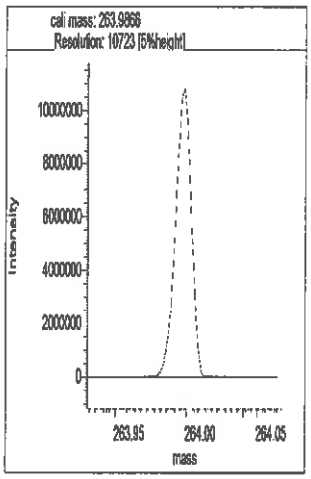
Segment 1

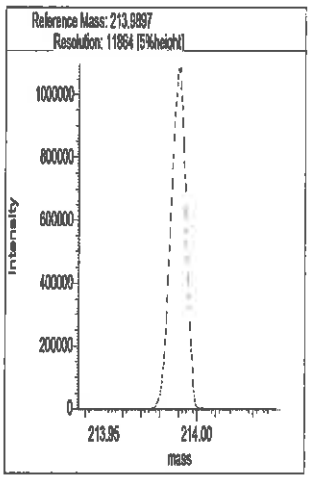
Lock mass 168.9883 [m/z] Resolution: 12186 [5%height]

Cali. mass 263.9866 [m/z] Resolution: 10723 [5%height]

Ref. mass 213.9897 [m/z] Resolution: 11864 [5%height]




Segment 2

Lock mass 263.9866 [m/z] Resolution: 12353 [5%height]

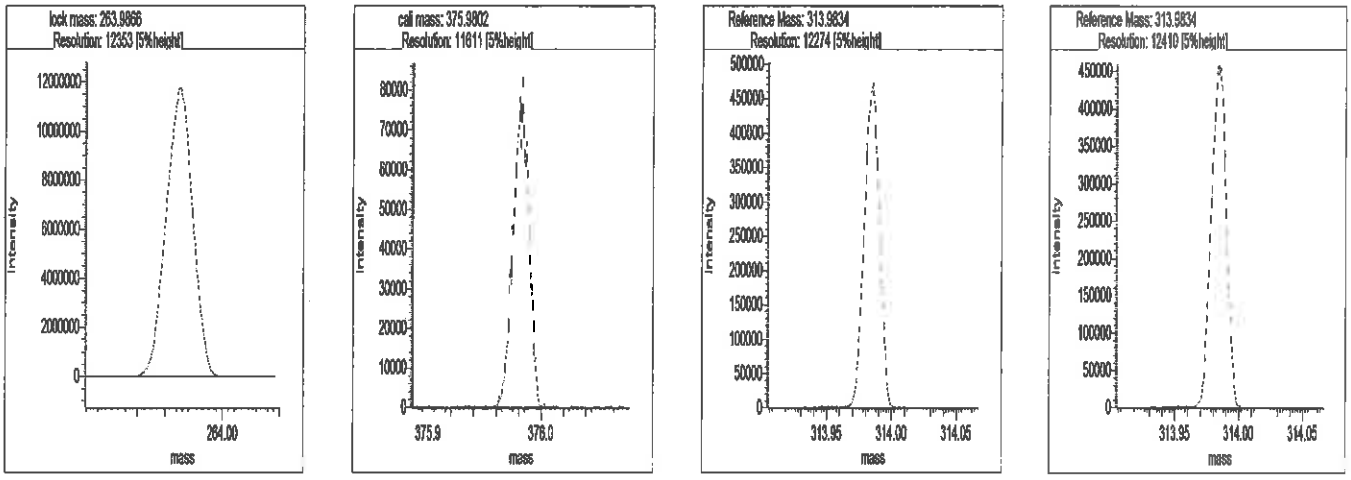
Cali. mass 375.9802 [m/z] Resolution: 11611 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 12274 [5%height]

Ref. mass 313.9834 [m/z] Resolution: 12410 [5%height]

_d4191011s1a open: 10:28

10/11/19

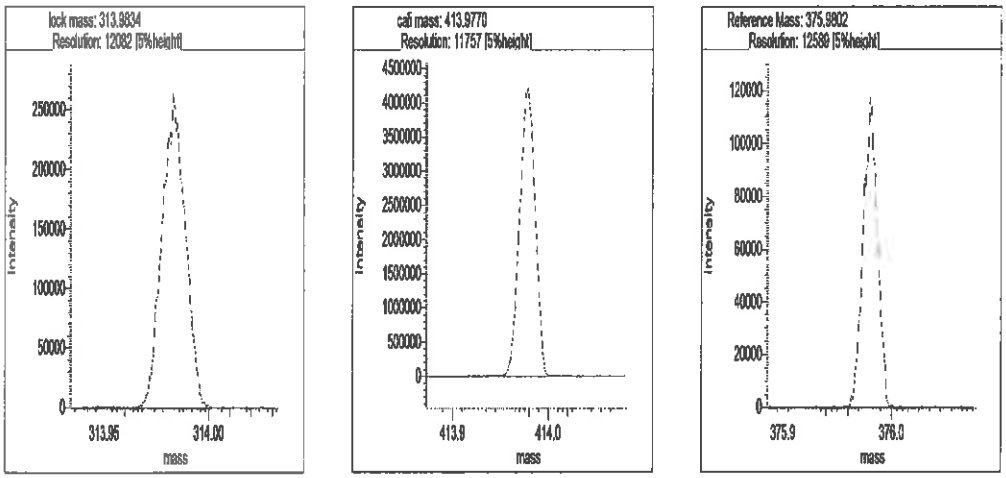



Segment 3

Lock mass 313.9834 [m/z] Resolution: 12082 [5%height]

Cali. mass 413.9770 [m/z] Resolution: 11757 [5%height]

Ref. mass 375.9802 [m/z] Resolution: 12589 [5%height]

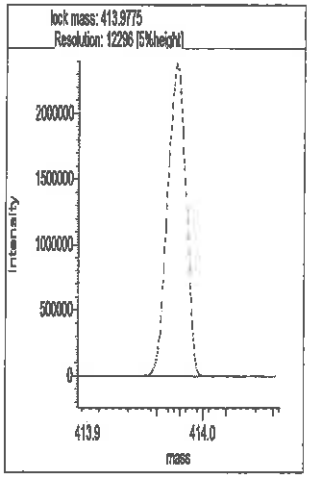


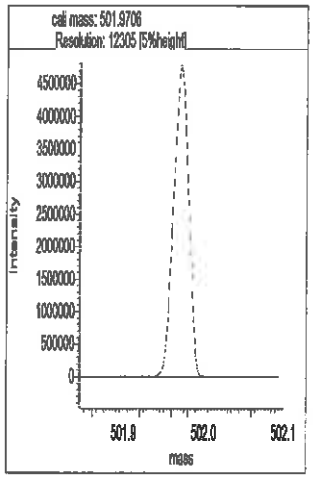

Segment 4

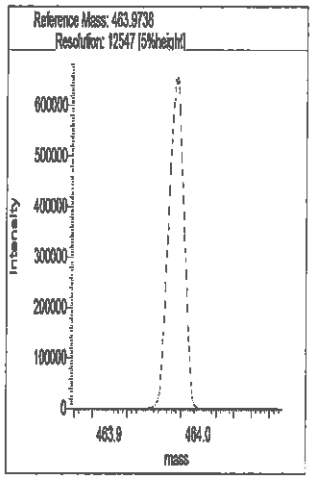
Lock mass 413.9775 [m/z] Resolution: 12296 [5%height]

Cali. mass 501.9706 [m/z] Resolution: 12305 [5%height]

Ref. mass 463.9738 [m/z] Resolution: 12547 [5%height]


lock mass: 413.9775
Resolution: 12296 [5%height]
Intensity
2000000
1500000
1000000
500000
0
413.9
414.0
mass


cal mass: 501.9706
Resolution: 12305 [5%height]
Intensity
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
501.9
502.0
502.1
mass


Reference Mass: 463.9738
Resolution: 12547 [5%height]
Intensity
600000
500000
400000
300000
200000
100000
0
463.9
464.0
mass

```
Reports
10:38:48:  Peak matching procedure started
10:38:49:
10:38:49:  Reference mass: 168.98827
10:38:50:  Sample mass: 214.0
10:38:50:
10:38:51:  Finding reference mass
10:38:52:  Finding sample mass
10:38:52:
10:38:58:  [1]    213.9891 amu, mean: 213.9891
10:39:01:  [2]    213.9891 amu, mean: 213.9891     SD: 0.01 mmu or: 0.05 ppm
10:39:04:  [3]    213.9892 amu, mean: 213.9891     SD: 0.10 mmu or: 0.48 ppm
10:39:07:  [4]    213.9888 amu, mean: 213.9890     SD: 0.20 mmu or: 0.91 ppm
10:39:08:
10:39:08:  Stop requested. Please wait for procedure to finish.
10:39:08:
10:39:11:
10:39:11:  Peakmatching stopped
```

Signature 10/11/19

Reports

```
10:39:31:  Peak matching procedure started
10:39:32:
10:39:32:  Reference mass: 213.98975
10:39:33:  Sample mass: 264.0
10:39:33:
10:39:34:  Finding reference mass
10:39:35:  Finding sample mass
10:39:35:
10:39:41:  [1]    263.9864 amu, mean: 263.9864
10:39:44:  [2]    263.9862 amu, mean: 263.9863     SD: 0.20 mmu or: 0.75 ppm
10:39:47:  [3]    263.9860 amu, mean: 263.9862     SD: 0.24 mmu or: 0.92 ppm
10:39:50:  [4]    263.9859 amu, mean: 263.9861     SD: 0.24 mmu or: 0.92 ppm
10:39:51:
10:39:51:  Stop requested. Please wait for procedure to finish.
10:39:51:
10:39:54:
10:39:54:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
10:40:15:  Peak matching procedure started
10:40:15:
10:40:16:  Reference mass: 263.98656
10:40:16:  Sample mass: 314.0
10:40:17:
10:40:17:  Finding reference mass
10:40:18:  Finding sample mass
10:40:19:
10:40:24:  [1]    313.9829 amu, mean: 313.9829
10:40:27:  [2]    313.9828 amu, mean: 313.9828     SD: 0.14 mmu or: 0.44 ppm
10:40:30:  [3]    313.9826 amu, mean: 313.9828     SD: 0.20 mmu or: 0.63 ppm
10:40:33:  [4]    313.9825 amu, mean: 313.9827     SD: 0.20 mmu or: 0.62 ppm
10:40:34:
10:40:34:  Stop requested. Please wait for procedure to finish.
10:40:34:
10:40:36:
10:40:37:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
10:41:23:  Peak matching procedure started
10:41:23:
10:41:24:  Reference mass: 313.98336
10:41:24:  Sample mass: 376.0
10:41:25:
10:41:25:  Finding reference mass
10:41:26:  Finding sample mass
10:41:27:
10:41:32:  [1]    375.9786 amu, mean: 375.9786
10:41:35:  [2]    375.9788 amu, mean: 375.9787     SD: 0.19 mmu or: 0.52 ppm
10:41:39:  [3]    375.9788 amu, mean: 375.9787     SD: 0.15 mmu or: 0.39 ppm
10:41:42:  [4]    375.9790 amu, mean: 375.9788     SD: 0.17 mmu or: 0.45 ppm
10:41:43:
10:41:43:  Stop requested. Please wait for procedure to finish.
10:41:43:
10:41:45:  [5]    375.9786 amu, mean: 375.9788     SD: 0.16 mmu or: 0.42 ppm
10:41:46:
10:41:47:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
10:41:23:  Peak matching procedure started
10:41:23:
10:41:24:  Reference mass: 313.98336
10:41:24:  Sample mass: 376.0
10:41:25:
10:41:25:  Finding reference mass
10:41:26:  Finding sample mass
10:41:27:
10:41:32:  [1]    375.9786 amu, mean: 375.9786
10:41:35:  [2]    375.9788 amu, mean: 375.9787     SD: 0.19 mmu or: 0.52 ppm
10:41:39:  [3]    375.9788 amu, mean: 375.9787     SD: 0.15 mmu or: 0.39 ppm
10:41:42:  [4]    375.9790 amu, mean: 375.9788     SD: 0.17 mmu or: 0.45 ppm
10:41:43:
10:41:43:  Stop requested. Please wait for procedure to finish.
10:41:43:
10:41:45:  [5]    375.9786 amu, mean: 375.9788     SD: 0.16 mmu or: 0.42 ppm
10:41:46:
10:41:47:  Peakmatching stopped
```

Signature 10/11/19

Reports

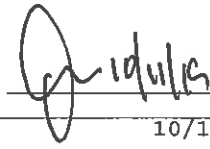
```
10:42:08:  Peak matching procedure started
10:42:08:
10:42:09:  Reference mass: 375.98017
10:42:09:  Sample mass: 414.0
10:42:10:
10:42:10:  Finding reference mass
10:42:11:  Finding sample mass
10:42:12:
10:42:17:  [1]    413.9772 amu, mean: 413.9772
10:42:20:  [2]    413.9772 amu, mean: 413.9772      SD: 0.01 mmu or: 0.02 ppm
10:42:23:  [3]    413.9772 amu, mean: 413.9772      SD: 0.01 mmu or: 0.03 ppm
10:42:26:  [4]    413.9770 amu, mean: 413.9771      SD: 0.11 mmu or: 0.28 ppm
10:42:28:
10:42:28:  Stop requested. Please wait for procedure to finish.
10:42:28:
10:42:30:  [5]    413.9767 amu, mean: 413.9770      SD: 0.21 mmu or: 0.50 ppm
10:42:32:
10:42:33:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
10:42:48:  Peak matching procedure started
10:42:48:
10:42:49:  Reference mass: 413.97698
10:42:49:  Sample mass: 464.0
10:42:50:
10:42:50:  Finding reference mass
10:42:52:  Finding sample mass
10:42:52:
10:42:58:  [1]    463.9735 amu, mean: 463.9735
10:43:01:  [2]    463.9731 amu, mean: 463.9733      SD: 0.26 mmu or: 0.55 ppm
10:43:04:  [3]    463.9733 amu, mean: 463.9733      SD: 0.18 mmu or: 0.40 ppm
10:43:07:  [4]    463.9736 amu, mean: 463.9734      SD: 0.21 mmu or: 0.45 ppm
10:43:08:
10:43:08:  Stop requested. Please wait for procedure to finish.
10:43:08:
10:43:11:
10:43:11:  Peakmatching stopped
```

Signature 10/11/19

```
Reports
10:43:28:  Peak matching procedure started
10:43:28:
10:43:29:  Reference mass: 463.97378
10:43:29:  Sample mass: 502.0
10:43:30:
10:43:30:  Finding reference mass
10:43:31:  Finding sample mass
10:43:32:
10:43:37:  [1]    501.9705 amu, mean: 501.9705
10:43:40:  [2]    501.9707 amu, mean: 501.9706     SD: 0.16 mmu or: 0.31 ppm
10:43:44:  [3]    501.9713 amu, mean: 501.9708     SD: 0.45 mmu or: 0.91 ppm
10:43:47:  [4]    501.9706 amu, mean: 501.9708     SD: 0.39 mmu or: 0.77 ppm
10:43:48:
10:43:48:  Stop requested. Please wait for procedure to finish.
10:43:48:
10:43:50:
10:43:51:  Peakmatching stopped
```

Signature 

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 11-Oct-2019 12:49:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 11-Oct-2019 14:08:55 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0301

First Level Reviewer: nordquistj Date: 11-Oct-2019 14:07:12

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 142.2 | 142.2 | 0.1085 | 0.1085 | | |
| D PCB-1L | 11:47 | 5374427 | 3.11 | 1.3140 | 104.8 | 104.8 | 0.1872 | 0.1872 | 105 | |
| D PCB-3L | 13:57 | 5396639 | 3.10 | 1.3615 | 101.5 | 101.5 | 0.1807 | 0.1807 | 102 | |
| PCB-1 | 11:48 | 3106267 | 3.08 | 1.1883 | 48.6 | 48.6 | 0.1009 | 0.1009 | 97.28 | |
| PCB-2 | 13:46 | 2980632 | 3.19 | 1.1911 | 46.5 | 46.5 | 0.1087 | 0.1087 | 92.93 | |
| PCB-3 | 13:57 | 3085713 | 3.10 | 1.2130 | 47.1 | 47.1 | 0.1160 | 0.1160 | 94.28 | |
| S Total Dichlorobiphenyls | | | | | 546.1 | 546.1 | 0.0145 | 0.0145 | | |
| D PCB-4L | 14:11 | 2526788 | 1.54 | 0.5996 | 108.0 | 108.0 | 0.1024 | 0.1024 | 108 | |
| * PCB-9L | 16:09 | 3903946 | 1.59 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-8L | 16:59 | 1873964 | 1.55 | 1.3085 | 42.7 | 42.7 | 0.0579 | 0.0579 | 85.36 | |
| D PCB-15L | 20:03 | 4184120 | 1.56 | 1.0280 | 104.3 | 104.3 | 0.0597 | 0.0597 | 104 | |
| PCB-4 | 14:12 | 1488760 | 1.58 | 1.2533 | 47.0 | 47.0 | 0.0197 | 0.0197 | 94.02 | |
| PCB-10 | 14:22 | 2347245 | 1.59 | 1.4828 | 47.2 | 47.2 | 0.0149 | 0.0149 | 94.35 | |
| PCB-9 | 16:10 | 2164482 | 1.61 | 1.4200 | 45.4 | 45.4 | 0.0156 | 0.0156 | 90.86 | |
| PCB-7 | 16:20 | 2499244 | 1.59 | 1.6244 | 45.9 | 45.9 | 0.0136 | 0.0136 | 91.71 | |
| PCB-6 | 16:34 | 2358179 | 1.60 | 1.5539 | 45.2 | 45.2 | 0.0142 | 0.0142 | 90.46 | |
| PCB-5 | 16:52 | 2358024 | 1.58 | 1.5606 | 45.0 | 45.0 | 0.0142 | 0.0142 | 90.06 | |
| PCB-8 | 17:00 | 2427993 | 1.60 | 1.5884 | 45.6 | 45.6 | 0.0139 | 0.0139 | 91.11 | |
| PCB-14 | 18:38 | 2840840 | 1.61 | 1.8738 | 45.2 | 45.2 | 0.0118 | 0.0118 | 90.37 | |
| PCB-11 | 19:28 | 2469144 | 1.62 | 1.6347 | 45.0 | 45.0 | 0.0135 | 0.0135 | 90.03 | |
| PCB-12 | 19:47 | 4932002 | 1.60 | 1.6410 | 89.6 | 89.6 | 0.0135 | 0.0135 | 89.57 | |
| PCB-13 (C12) | 19:47 | 4932002 | 1.60 | 1.6410 | 89.6 | 89.6 | 0.0135 | 0.0135 | 89.57 | |
| PCB-15 | 20:05 | 2644205 | 1.58 | 1.4024 | 45.1 | 45.1 | 0.0142 | 0.0142 | 90.12 | |
| S Total Trichlorobiphenyl | | | | | 1194.6 | 1194.6 | 0.1709 | 0.1709 | | |
| D PCB-19L | 17:18 | 1709640 | 1.04 | 0.6095 | 106.0 | 106.0 | 0.5091 | 0.5091 | 106 | |
| * PCB-32L | 20:32 | 2645528 | 1.07 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:47 | 7659094 | 1.08 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:05 | 4215803 | 1.10 | 1.0975 | 50.2 | 50.2 | 0.1378 | 0.1378 | 100 | |
| D PCB-37L | 27:05 | 7423091 | 1.10 | 0.9024 | 107.4 | 107.4 | 0.1677 | 0.1677 | 107 | |
| PCB-19 | 17:18 | 1045468 | 1.06 | 1.3047 | 46.9 | 46.9 | 0.0110 | 0.0110 | 93.74 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 19:09 | 2803709 | 1.07 | 1.8188 | 90.2 | 90.2 | 0.007882 | 0.007882 | 90.17 | |
| PCB-30 (C18) | 19:09 | 2803709 | 1.07 | 1.8188 | 90.2 | 90.2 | 0.007882 | 0.007882 | 90.17 | |
| PCB-17 | 19:35 | 1208114 | 1.09 | 1.5641 | 45.2 | 45.2 | 0.009165 | 0.009165 | 90.36 | |
| PCB-27 | 19:47 | 1636842 | 1.07 | 2.1680 | 44.2 | 44.2 | 0.006612 | 0.006612 | 88.32 | |
| PCB-24 | 19:55 | 1586661 | 1.08 | 2.1018 | 44.2 | 44.2 | 0.006820 | 0.006820 | 88.31 | |
| PCB-16 | 20:02 | 950366 | 1.07 | 1.2260 | 45.3 | 45.3 | 0.0117 | 0.0117 | 90.68 | |
| PCB-32 | 20:33 | 1751332 | 1.08 | 2.3416 | 43.7 | 43.7 | 0.006122 | 0.006122 | 87.50 | a |
| PCB-34 | 21:49 | 4765838 | 1.07 | 1.2154 | 52.8 | 52.8 | 0.2779 | 0.2779 | 106 | |
| PCB-23 | 21:58 | 4983695 | 1.07 | 1.2675 | 53.0 | 53.0 | 0.2664 | 0.2664 | 106 | |
| PCB-26 | 22:17 | 9920105 | 1.07 | 1.3193 | 101.3 | 101.3 | 0.2560 | 0.2560 | 101 | |
| PCB-29 (C26) | 22:17 | 9920105 | 1.07 | 1.3193 | 101.3 | 101.3 | 0.2560 | 0.2560 | 101 | |
| PCB-25 | 22:30 | 5114812 | 1.08 | 1.3523 | 51.0 | 51.0 | 0.2497 | 0.2497 | 102 | |
| PCB-31 | 22:49 | 5372523 | 1.07 | 1.3809 | 52.4 | 52.4 | 0.2446 | 0.2446 | 105 | |
| PCB-20 | 23:07 | 9890251 | 1.07 | 1.3057 | 102.0 | 102.0 | 0.2586 | 0.2586 | 102 | |
| PCB-28 (C20) | 23:07 | 9890251 | 1.07 | 1.3057 | 102.0 | 102.0 | 0.2586 | 0.2586 | 102 | |
| PCB-21 | 23:20 | 10387778 | 1.05 | 1.3777 | 101.6 | 101.6 | 0.2451 | 0.2451 | 102 | Ma |
| PCB-33 (C21) | 23:20 | 10387778 | 1.05 | 1.3777 | 101.6 | 101.6 | 0.2451 | 0.2451 | 102 | Ma |
| PCB-22 | 23:44 | 4843532 | 1.08 | 1.2430 | 52.5 | 52.5 | 0.2717 | 0.2717 | 105 | |
| PCB-36 | 25:18 | 5332108 | 1.08 | 1.3468 | 53.3 | 53.3 | 0.2508 | 0.2508 | 107 | |
| PCB-39 | 25:39 | 5465624 | 1.07 | 1.3970 | 52.7 | 52.7 | 0.2417 | 0.2417 | 105 | |
| PCB-38 | 26:14 | 5085721 | 1.09 | 1.3177 | 52.0 | 52.0 | 0.2563 | 0.2563 | 104 | |
| PCB-35 | 26:42 | 4992285 | 1.08 | 1.2166 | 55.3 | 55.3 | 0.2776 | 0.2776 | 111 | |
| PCB-37 | 27:06 | 5271403 | 1.08 | 1.2879 | 55.1 | 55.1 | 0.2622 | 0.2622 | 110 | |
| S Total Tetrachlorobiphen | | | | | 1925.0 | 1925.0 | 0.2266 | 0.2266 | | |
| D PCB-54L | 20:21 | 1832572 | 0.80 | 0.6515 | 106.3 | 106.3 | 0.0293 | 0.0293 | 106 | |
| * PCB-52L | 24:55 | 3840092 | 0.79 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-79L | 32:51 | 2576110 | 0.79 | 1.1239 | 45.0 | 45.0 | 0.2743 | 0.2743 | 89.92 | |
| D PCB-81L | 33:50 | 5036253 | 0.78 | 1.2328 | 106.4 | 106.4 | 0.2906 | 0.2906 | 106 | |
| D PCB-77L | 34:24 | 5160081 | 0.80 | 1.2523 | 107.3 | 107.3 | 0.2861 | 0.2861 | 107 | |
| PCB-54 | 20:23 | 1149062 | 0.80 | 1.2558 | 49.9 | 49.9 | 0.0100 | 0.0100 | 99.86 | |
| PCB-50 | 22:34 | 4451762 | 0.79 | 0.9362 | 93.3 | 93.3 | 0.2918 | 0.2918 | 93.28 | |
| PCB-53 (C50) | 22:34 | 4451762 | 0.79 | 0.9362 | 93.3 | 93.3 | 0.2918 | 0.2918 | 93.28 | |
| PCB-45 | 23:17 | 4207657 | 0.80 | 0.8850 | 93.3 | 93.3 | 0.3087 | 0.3087 | 93.25 | Ma |
| PCB-51 (C45) | 23:17 | 4207657 | 0.80 | 0.8850 | 93.3 | 93.3 | 0.3087 | 0.3087 | 93.25 | Ma |
| PCB-46 | 23:31 | 1809387 | 0.78 | 0.7591 | 46.8 | 46.8 | 0.3599 | 0.3599 | 93.51 | |
| PCB-52 | 24:56 | 2143904 | 0.78 | 0.8992 | 46.8 | 46.8 | 0.3038 | 0.3038 | 93.53 | |
| PCB-43 | 25:05 | 4762241 | 0.78 | 0.9993 | 93.5 | 93.5 | 0.2734 | 0.2734 | 93.47 | Ma |
| PCB-73 (C43) | 25:05 | 4762241 | 0.78 | 0.9993 | 93.5 | 93.5 | 0.2734 | 0.2734 | 93.47 | Ma |
| PCB-49 | 25:24 | 5313050 | 0.79 | 1.1366 | 91.7 | 91.7 | 0.2404 | 0.2404 | 91.69 | |
| PCB-69 (C49) | 25:24 | 5313050 | 0.79 | 1.1366 | 91.7 | 91.7 | 0.2404 | 0.2404 | 91.69 | |
| PCB-48 | 25:43 | 2217002 | 0.79 | 0.9454 | 46.0 | 46.0 | 0.2890 | 0.2890 | 92.00 | |
| PCB-44 | 25:58 | 7061051 | 0.79 | 1.0323 | 134.2 | 134.2 | 0.2647 | 0.2647 | 89.45 | |
| PCB-47 (C44) | 25:58 | 7061051 | 0.79 | 1.0323 | 134.2 | 134.2 | 0.2647 | 0.2647 | 89.45 | |
| PCB-65 (C44) | 25:58 | 7061051 | 0.79 | 1.0323 | 134.2 | 134.2 | 0.2647 | 0.2647 | 89.45 | |
| PCB-59 | 26:15 | 9309419 | 0.79 | 1.3609 | 134.2 | 134.2 | 0.2008 | 0.2008 | 89.45 | |
| PCB-62 (C59) | 26:15 | 9309419 | 0.79 | 1.3609 | 134.2 | 134.2 | 0.2008 | 0.2008 | 89.45 | |
| PCB-75 (C59) | 26:15 | 9309419 | 0.79 | 1.3609 | 134.2 | 134.2 | 0.2008 | 0.2008 | 89.45 | |
| PCB-42 | 26:28 | 2145495 | 0.80 | 0.8670 | 48.5 | 48.5 | 0.3151 | 0.3151 | 97.07 | |
| PCB-40 | 26:57 | 6539844 | 0.79 | 0.9179 | 139.8 | 139.8 | 0.2976 | 0.2976 | 93.17 | Ma |
| PCB-41 (C40) | 26:57 | 6539844 | 0.79 | 0.9179 | 139.8 | 139.8 | 0.2976 | 0.2976 | 93.17 | Ma |
| PCB-71 (C40) | 26:57 | 6539844 | 0.79 | 0.9179 | 139.8 | 139.8 | 0.2976 | 0.2976 | 93.17 | Ma |
| PCB-64 | 27:10 | 3346790 | 0.79 | 1.4164 | 46.3 | 46.3 | 0.1929 | 0.1929 | 92.70 | a |
| PCB-72 | 28:00 | 3185012 | 0.79 | 1.3157 | 47.5 | 47.5 | 0.2076 | 0.2076 | 94.96 | |
| PCB-68 | 28:18 | 3522879 | 0.78 | 1.4782 | 46.7 | 46.7 | 0.1848 | 0.1848 | 93.49 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-57 | 28:43 | 3020539 | 0.79 | 1.2817 | 46.2 | 46.2 | 0.2132 | 0.2132 | 92.45 | |
| PCB-58 | 28:57 | 3160776 | 0.80 | 1.3214 | 46.9 | 46.9 | 0.2068 | 0.2068 | 93.84 | |
| PCB-67 | 29:07 | 3259398 | 0.79 | 1.3944 | 45.8 | 45.8 | 0.1959 | 0.1959 | 91.70 | |
| PCB-63 | 29:23 | 3468149 | 0.79 | 1.4685 | 46.3 | 46.3 | 0.1861 | 0.1861 | 92.65 | |
| PCB-61 | 29:44 | 12064131 | 0.79 | 1.3565 | 174.4 | 174.4 | 0.2014 | 0.2014 | 87.22 | Ma |
| PCB-70 (C61) | 29:44 | 12064131 | 0.79 | 1.3565 | 174.4 | 174.4 | 0.2014 | 0.2014 | 87.22 | Ma |
| PCB-74 (C61) | 29:44 | 12064131 | 0.79 | 1.3565 | 174.4 | 174.4 | 0.2014 | 0.2014 | 87.22 | Ma |
| PCB-76 (C61) | 29:44 | 12064131 | 0.79 | 1.3565 | 174.4 | 174.4 | 0.2014 | 0.2014 | 87.22 | Ma |
| PCB-66 | 30:03 | 2934321 | 0.79 | 1.2800 | 45.0 | 45.0 | 0.2134 | 0.2134 | 89.93 | |
| PCB-55 | 30:13 | 2977102 | 0.80 | 1.2951 | 45.1 | 45.1 | 0.2109 | 0.2109 | 90.18 | |
| PCB-56 | 30:43 | 2888784 | 0.78 | 1.2671 | 44.7 | 44.7 | 0.2156 | 0.2156 | 89.44 | |
| PCB-60 | 30:55 | 3009437 | 0.79 | 1.3288 | 44.4 | 44.4 | 0.2056 | 0.2056 | 88.85 | |
| PCB-80 | 31:21 | 3410885 | 0.81 | 1.4694 | 45.5 | 45.5 | 0.1859 | 0.1859 | 91.06 | |
| PCB-79 | 32:51 | 3508638 | 0.78 | 1.5421 | 44.6 | 44.6 | 0.1772 | 0.1772 | 89.26 | |
| PCB-78 | 33:25 | 2936341 | 0.80 | 1.3150 | 43.8 | 43.8 | 0.2078 | 0.2078 | 87.60 | |
| PCB-81 | 33:52 | 3120898 | 0.79 | 1.3214 | 46.9 | 46.9 | 0.2065 | 0.2065 | 93.79 | |
| PCB-77 | 34:25 | 3214402 | 0.80 | 1.3308 | 46.8 | 46.8 | 0.2056 | 0.2056 | 93.62 | |
| S Total Pentachlorobiphen | | | | | 2235.5 | 2235.5 | 0.1476 | 0.1476 | | |
| D PCB-104L | 25:52 | 3500742 | 1.60 | 1.1164 | 108.8 | 108.8 | 0.003587 | 0.003587 | 109 | |
| $ PCB-95L | 28:49 | 1297587 | 1.65 | 0.7770 | 47.7 | 47.7 | 0.004015 | 0.004015 | 95.41 | |
| * PCB-101L | 31:46 | 2881497 | 1.68 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:27 | 1906328 | 1.55 | 1.2177 | 54.3 | 54.3 | 0.003288 | 0.003288 | 109 | |
| D PCB-123L | 36:24 | 5623839 | 1.60 | 0.9909 | 99.9 | 99.9 | 0.9155 | 0.9155 | 99.90 | |
| D PCB-118L | 36:44 | 5855443 | 1.60 | 1.0256 | 100.5 | 100.5 | 0.8845 | 0.8845 | 100 | |
| D PCB-114L | 37:16 | 5654232 | 1.60 | 1.0030 | 99.2 | 99.2 | 0.9044 | 0.9044 | 99.23 | |
| D PCB-105L | 37:55 | 5638058 | 1.57 | 1.0013 | 99.1 | 99.1 | 0.9060 | 0.9060 | 99.12 | |
| * PCB-127L | 39:23 | 5681057 | 1.64 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 41:00 | 5556407 | 1.61 | 0.9020 | 108.4 | 108.4 | 1.006 | 1.006 | 108 | |
| PCB-104 | 25:54 | 2346697 | 1.60 | 1.3926 | 48.1 | 48.1 | 0.009858 | 0.009858 | 96.27 | |
| PCB-96 | 26:15 | 2075470 | 1.58 | 1.2268 | 48.3 | 48.3 | 0.0112 | 0.0112 | 96.65 | |
| PCB-103 | 28:12 | 1809762 | 1.57 | 1.0331 | 50.0 | 50.0 | 0.0133 | 0.0133 | 100 | |
| PCB-94 | 28:25 | 1582391 | 1.65 | 0.9036 | 50.0 | 50.0 | 0.0152 | 0.0152 | 100 | a |
| PCB-95 | 28:51 | 1684271 | 1.60 | 0.9620 | 50.0 | 50.0 | 0.0143 | 0.0143 | 100 | |
| PCB-93 | 29:05 | 3374223 | 1.58 | 0.9806 | 98.3 | 98.3 | 0.0140 | 0.0140 | 98.29 | |
| PCB-100 (C93) | 29:05 | 3374223 | 1.58 | 0.9806 | 98.3 | 98.3 | 0.0140 | 0.0140 | 98.29 | |
| PCB-98 | 29:13 | 3415413 | 1.56 | 0.9888 | 98.7 | 98.7 | 0.0139 | 0.0139 | 98.67 | Ma |
| PCB-102 (C98) | 29:13 | 3415413 | 1.56 | 0.9888 | 98.7 | 98.7 | 0.0139 | 0.0139 | 98.67 | Ma |
| PCB-88 | 29:43 | 3342263 | 1.59 | 1.0052 | 95.0 | 95.0 | 0.0137 | 0.0137 | 94.98 | |
| PCB-91 (C88) | 29:43 | 3342263 | 1.59 | 1.0052 | 95.0 | 95.0 | 0.0137 | 0.0137 | 94.98 | |
| PCB-84 | 29:57 | 1434348 | 1.61 | 0.8601 | 47.6 | 47.6 | 0.0160 | 0.0160 | 95.27 | |
| PCB-89 | 30:25 | 1524505 | 1.59 | 0.8936 | 48.7 | 48.7 | 0.0154 | 0.0154 | 97.47 | a |
| PCB-121 | 30:50 | 2308777 | 1.58 | 1.3971 | 47.2 | 47.2 | 0.009825 | 0.009825 | 94.41 | |
| PCB-92 | 31:12 | 1621832 | 1.61 | 0.9532 | 48.6 | 48.6 | 0.0144 | 0.0144 | 97.20 | |
| PCB-90 | 31:47 | 5697615 | 1.61 | 1.1367 | 143.2 | 143.2 | 0.0121 | 0.0121 | 95.46 | |
| PCB-101 (C90) | 31:47 | 5697615 | 1.61 | 1.1367 | 143.2 | 143.2 | 0.0121 | 0.0121 | 95.46 | |
| PCB-113 (C90) | 31:47 | 5697615 | 1.61 | 1.1367 | 143.2 | 143.2 | 0.0121 | 0.0121 | 95.46 | |
| PCB-83 | 32:22 | 3254971 | 1.56 | 0.9393 | 99.0 | 99.0 | 0.0146 | 0.0146 | 98.99 | |
| PCB-99 (C83) | 32:22 | 3254971 | 1.56 | 0.9393 | 99.0 | 99.0 | 0.0146 | 0.0146 | 98.99 | |
| PCB-112 | 32:29 | 2327849 | 1.60 | 1.3672 | 48.6 | 48.6 | 0.0100 | 0.0100 | 97.27 | |
| PCB-86 | 32:51 | 11542879 | 1.59 | 1.1958 | 275.7 | 275.7 | 0.0115 | 0.0115 | 91.91 | Ma |
| PCB-87 (C86) | 32:51 | 11542879 | 1.59 | 1.1958 | 275.7 | 275.7 | 0.0115 | 0.0115 | 91.91 | Ma |
| PCB-97 (C86) | 32:51 | 11542879 | 1.59 | 1.1958 | 275.7 | 275.7 | 0.0115 | 0.0115 | 91.91 | Ma |
| PCB-109 (C86) | 32:51 | 11542879 | 1.59 | 1.1958 | 275.7 | 275.7 | 0.0115 | 0.0115 | 91.91 | Ma |
| PCB-119 (C86) | 32:51 | 11542879 | 1.59 | 1.1958 | 275.7 | 275.7 | 0.0115 | 0.0115 | 91.91 | Ma |
| PCB-125 (C86) | 32:51 | 11542879 | 1.59 | 1.1958 | 275.7 | 275.7 | 0.0115 | 0.0115 | 91.91 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:36 | 6023560 | 1.59 | 1.2126 | 141.9 | 141.9 | 0.0113 | 0.0113 | 94.60 | |
| PCB-116 (C85) | 33:36 | 6023560 | 1.59 | 1.2126 | 141.9 | 141.9 | 0.0113 | 0.0113 | 94.60 | |
| PCB-117 (C85) | 33:36 | 6023560 | 1.59 | 1.2126 | 141.9 | 141.9 | 0.0113 | 0.0113 | 94.60 | |
| PCB-110 | 33:50 | 4462810 | 1.58 | 1.3511 | 94.4 | 94.4 | 0.0102 | 0.0102 | 94.35 | |
| PCB-115 (C110) | 33:50 | 4462810 | 1.58 | 1.3511 | 94.4 | 94.4 | 0.0102 | 0.0102 | 94.35 | |
| PCB-82 | 34:05 | 1469017 | 1.57 | 0.8675 | 48.4 | 48.4 | 0.0158 | 0.0158 | 96.74 | a |
| PCB-111 | 34:28 | 2406911 | 1.60 | 1.4262 | 48.2 | 48.2 | 0.009625 | 0.009625 | 96.42 | |
| PCB-120 | 34:57 | 2439613 | 1.58 | 1.4907 | 46.7 | 46.7 | 0.009208 | 0.009208 | 93.49 | |
| PCB-108 | 36:04 | 7070092 | 1.59 | 1.2547 | 99.5 | 99.5 | 0.4452 | 0.4452 | 99.46 | |
| PCB-124 (C108) | 36:04 | 7070092 | 1.59 | 1.2547 | 99.5 | 99.5 | 0.4452 | 0.4452 | 99.46 | |
| PCB-107 | 36:19 | 4008547 | 1.60 | 1.3580 | 52.1 | 52.1 | 0.4113 | 0.4113 | 104 | |
| PCB-123 | 36:26 | 3879644 | 1.59 | 1.3407 | 51.5 | 51.5 | 0.4172 | 0.4172 | 103 | |
| PCB-106 | 36:33 | 3489510 | 1.60 | 1.2749 | 48.3 | 48.3 | 0.4381 | 0.4381 | 96.62 | |
| PCB-118 | 36:46 | 3880661 | 1.63 | 1.2892 | 51.4 | 51.4 | 0.4143 | 0.4143 | 103 | |
| PCB-122 | 37:06 | 3337413 | 1.59 | 1.1614 | 50.7 | 50.7 | 0.4809 | 0.4809 | 101 | |
| PCB-114 | 37:17 | 3999626 | 1.58 | 1.4051 | 50.3 | 50.3 | 0.3947 | 0.3947 | 101 | |
| PCB-105 | 37:56 | 3744900 | 1.55 | 1.2887 | 51.5 | 51.5 | 0.4334 | 0.4334 | 103 | |
| PCB-127 | 39:25 | 3803610 | 1.61 | 1.2841 | 52.3 | 52.3 | 0.4350 | 0.4350 | 105 | |
| PCB-126 | 41:01 | 3808971 | 1.61 | 1.3416 | 51.1 | 51.1 | 0.4389 | 0.4389 | 102 | |
| S Total Hexachlorobipheny | | | | | 1886.9 | 1886.9 | 0.0773 | 0.0773 | | |
| D PCB-155L | 31:33 | 3325756 | 1.27 | 0.9499 | 121.5 | 121.5 | 0.003709 | 0.003709 | 122 | |
| $ PCB-153L | 38:37 | 1979574 | 1.33 | 0.9597 | 42.7 | 42.7 | 0.5683 | 0.5683 | 85.36 | |
| * PCB-138L | 39:52 | 3846841 | 1.26 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:52 | 4871505 | 1.28 | 1.2544 | 101.0 | 101.0 | 0.4497 | 0.4497 | 101 | |
| D PCB-156L | 44:01 | 9540375 | 1.25 | 1.2289 | 201.8 | 201.8 | 0.4591 | 0.4591 | 101 | |
| D PCB-157L (C156L) | 44:01 | 9540375 | 1.25 | 1.2289 | 201.8 | 201.8 | 0.4591 | 0.4591 | 101 | |
| D PCB-169L | 47:15 | 4920044 | 1.30 | 1.0883 | 117.5 | 117.5 | 0.5184 | 0.5184 | 118 | |
| PCB-155 | 31:34 | 1961106 | 1.27 | 1.3028 | 45.3 | 45.3 | 0.004780 | 0.004780 | 90.52 | |
| PCB-152 | 31:46 | 1845615 | 1.27 | 1.2556 | 44.2 | 44.2 | 0.004959 | 0.004959 | 88.39 | |
| PCB-150 | 31:56 | 1890162 | 1.23 | 1.2368 | 46.0 | 46.0 | 0.005035 | 0.005035 | 91.90 | |
| PCB-136 | 32:17 | 1734376 | 1.28 | 1.1563 | 45.1 | 45.1 | 0.005385 | 0.005385 | 90.20 | |
| PCB-145 | 32:35 | 1783198 | 1.25 | 1.1910 | 45.0 | 45.0 | 0.005228 | 0.005228 | 90.04 | |
| PCB-148 | 34:06 | 1352567 | 1.27 | 0.8982 | 45.3 | 45.3 | 0.006933 | 0.006933 | 90.56 | |
| PCB-135 | 34:41 | 2620010 | 1.26 | 0.8691 | 90.6 | 90.6 | 0.007165 | 0.007165 | 90.64 | Ma |
| PCB-151 (C135) | 34:41 | 2620010 | 1.26 | 0.8691 | 90.6 | 90.6 | 0.007165 | 0.007165 | 90.64 | Ma |
| PCB-154 | 34:57 | 1521031 | 1.26 | 1.0180 | 44.9 | 44.9 | 0.006117 | 0.006117 | 89.85 | |
| PCB-144 | 35:16 | 1389585 | 1.26 | 0.9185 | 45.5 | 45.5 | 0.006780 | 0.006780 | 90.98 | |
| PCB-147 | 35:37 | 4228773 | 1.24 | 0.9747 | 89.8 | 89.8 | 0.1156 | 0.1156 | 89.77 | |
| PCB-149 (C147) | 35:37 | 4228773 | 1.24 | 0.9747 | 89.8 | 89.8 | 0.1156 | 0.1156 | 89.77 | |
| PCB-134 | 35:55 | 3735957 | 1.25 | 0.8518 | 90.7 | 90.7 | 0.1322 | 0.1322 | 90.75 | Ma |
| PCB-143 (C134) | 35:55 | 3735957 | 1.25 | 0.8518 | 90.7 | 90.7 | 0.1322 | 0.1322 | 90.75 | Ma |
| PCB-139 | 36:13 | 4277213 | 1.24 | 0.9995 | 88.5 | 88.5 | 0.1127 | 0.1127 | 88.54 | |
| PCB-140 (C139) | 36:13 | 4277213 | 1.24 | 0.9995 | 88.5 | 88.5 | 0.1127 | 0.1127 | 88.54 | |
| PCB-131 | 36:25 | 1878634 | 1.27 | 0.8584 | 45.3 | 45.3 | 0.1312 | 0.1312 | 90.57 | |
| PCB-142 | 36:34 | 1877612 | 1.27 | 0.8597 | 45.2 | 45.2 | 0.1310 | 0.1310 | 90.38 | a |
| PCB-132 | 36:53 | 1909260 | 1.26 | 0.8801 | 44.9 | 44.9 | 0.1280 | 0.1280 | 89.78 | |
| PCB-133 | 37:23 | 1969542 | 1.25 | 0.9064 | 45.0 | 45.0 | 0.1243 | 0.1243 | 89.92 | |
| PCB-165 | 37:47 | 2446752 | 1.25 | 1.1210 | 45.2 | 45.2 | 0.1005 | 0.1005 | 90.32 | |
| PCB-146 | 38:02 | 2201431 | 1.26 | 1.0084 | 45.2 | 45.2 | 0.1117 | 0.1117 | 90.35 | |
| PCB-161 | 38:09 | 2807205 | 1.27 | 1.3370 | 43.4 | 43.4 | 0.0842 | 0.0842 | 86.89 | |
| PCB-153 | 38:41 | 5308667 | 1.27 | 1.2207 | 90.0 | 90.0 | 0.0923 | 0.0923 | 89.99 | |
| PCB-168 (C153) | 38:41 | 5308667 | 1.27 | 1.2207 | 90.0 | 90.0 | 0.0923 | 0.0923 | 89.99 | |
| PCB-141 | 38:50 | 2052037 | 1.17 | 0.9608 | 44.2 | 44.2 | 0.1172 | 0.1172 | 88.38 | |
| PCB-130 | 39:15 | 1796601 | 1.25 | 0.8274 | 44.9 | 44.9 | 0.1361 | 0.1361 | 89.85 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:28 | 2205816 | 1.26 | 1.0582 | 43.1 | 43.1 | 0.1064 | 0.1064 | 86.26 | |
| PCB-164 | 39:35 | 2697392 | 1.26 | 1.2527 | 44.6 | 44.6 | 0.0899 | 0.0899 | 89.11 | |
| PCB-129 | 39:54 | 9161213 | 1.26 | 1.0840 | 174.9 | 174.9 | 0.1039 | 0.1039 | 87.44 | Ma |
| PCB-138 (C129) | 39:54 | 9161213 | 1.26 | 1.0840 | 174.9 | 174.9 | 0.1039 | 0.1039 | 87.44 | Ma |
| PCB-160 (C129) | 39:54 | 9161213 | 1.26 | 1.0840 | 174.9 | 174.9 | 0.1039 | 0.1039 | 87.44 | Ma |
| PCB-163 (C129) | 39:54 | 9161213 | 1.26 | 1.0840 | 174.9 | 174.9 | 0.1039 | 0.1039 | 87.44 | Ma |
| PCB-158 | 40:17 | 2917348 | 1.25 | 1.3862 | 43.5 | 43.5 | 0.0813 | 0.0813 | 87.09 | |
| PCB-128 | 41:08 | 4823857 | 1.28 | 1.1165 | 89.4 | 89.4 | 0.1009 | 0.1009 | 89.40 | |
| PCB-166 (C128) | 41:08 | 4823857 | 1.28 | 1.1165 | 89.4 | 89.4 | 0.1009 | 0.1009 | 89.40 | |
| PCB-159 | 42:08 | 2827525 | 1.25 | 1.3178 | 44.4 | 44.4 | 0.0855 | 0.0855 | 88.79 | |
| PCB-162 | 42:25 | 2943951 | 1.27 | 1.3623 | 44.7 | 44.7 | 0.0827 | 0.0827 | 89.43 | |
| PCB-167 | 42:54 | 3028174 | 1.25 | 1.3357 | 46.5 | 46.5 | 0.0707 | 0.0707 | 93.08 | |
| PCB-156 | 44:03 | 5756474 | 1.26 | 1.2759 | 94.6 | 94.6 | 0.1076 | 0.1076 | 94.58 | |
| PCB-157 (C156) | 44:03 | 5756474 | 1.26 | 1.2759 | 94.6 | 94.6 | 0.1076 | 0.1076 | 94.58 | |
| PCB-169 | 47:17 | 2965239 | 1.28 | 1.2825 | 47.0 | 47.0 | 0.0753 | 0.0753 | 93.99 | |
| S Total Heptachlorobiphen | | | | | 1214.3 | 1214.3 | 0.006802 | 0.006802 | | |
| D PCB-188L | 37:16 | 4025529 | 1.07 | 1.3162 | 98.1 | 98.1 | 0.0153 | 0.0153 | 98.09 | |
| $ PCB-178L | 40:19 | 1501533 | 1.09 | 0.9222 | 52.2 | 52.2 | 0.0218 | 0.0218 | 104 | |
| * PCB-180L | 45:25 | 3117943 | 1.09 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:41 | 2544956 | 1.07 | 0.8357 | 97.7 | 97.7 | 0.0241 | 0.0241 | 97.67 | |
| D PCB-189L | 49:47 | 6987489 | 1.06 | 1.4666 | 122.3 | 122.3 | 0.2836 | 0.2836 | 122 | |
| PCB-188 | 37:18 | 2440979 | 1.06 | 1.2502 | 48.5 | 48.5 | 0.000678 | 0.000678 | 97.00 | |
| PCB-179 | 37:38 | 2251503 | 1.04 | 1.4149 | 48.4 | 48.4 | 0.000745 | 0.000745 | 96.88 | |
| PCB-184 | 38:09 | 2238965 | 1.04 | 1.4191 | 48.0 | 48.0 | 0.000743 | 0.000743 | 96.05 | |
| PCB-176 | 38:31 | 2469520 | 1.06 | 1.5212 | 49.4 | 49.4 | 0.000693 | 0.000693 | 98.83 | |
| PCB-186 | 38:58 | 2326568 | 1.06 | 1.4350 | 49.4 | 49.4 | 0.000735 | 0.000735 | 98.70 | |
| PCB-178 | 40:21 | 1700992 | 1.07 | 1.0228 | 50.6 | 50.6 | 0.001031 | 0.001031 | 101 | |
| PCB-175 | 40:59 | 1760135 | 1.05 | 1.0690 | 50.1 | 50.1 | 0.000986 | 0.000986 | 100 | |
| PCB-187 | 41:16 | 1863583 | 1.05 | 1.1106 | 51.1 | 51.1 | 0.000949 | 0.000949 | 102 | |
| PCB-182 | 41:27 | 1901400 | 1.07 | 1.1484 | 50.4 | 50.4 | 0.000918 | 0.000918 | 101 | |
| PCB-183 | 41:52 | 3741608 | 1.05 | 1.1368 | 100.2 | 100.2 | 0.000927 | 0.000927 | 100 | Ma |
| PCB-185 (C183) | 41:52 | 3741608 | 1.05 | 1.1368 | 100.2 | 100.2 | 0.000927 | 0.000927 | 100 | Ma |
| PCB-174 | 42:06 | 1610886 | 1.06 | 0.9547 | 51.4 | 51.4 | 0.001104 | 0.001104 | 103 | |
| PCB-177 | 42:32 | 1593972 | 1.02 | 0.9426 | 51.5 | 51.5 | 0.001119 | 0.001119 | 103 | |
| PCB-181 | 42:56 | 1868892 | 1.05 | 1.1075 | 51.4 | 51.4 | 0.000952 | 0.000952 | 103 | |
| PCB-171 | 43:09 | 3225698 | 1.06 | 0.9603 | 102.2 | 102.2 | 0.001098 | 0.001098 | 102 | |
| PCB-173 (C171) | 43:09 | 3225698 | 1.06 | 0.9603 | 102.2 | 102.2 | 0.001098 | 0.001098 | 102 | |
| PCB-172 | 44:47 | 1686101 | 1.07 | 0.9918 | 51.7 | 51.7 | 0.001063 | 0.001063 | 103 | |
| PCB-192 | 45:04 | 2186595 | 1.05 | 1.2904 | 51.6 | 51.6 | 0.000817 | 0.000817 | 103 | |
| PCB-180 | 45:24 | 4141500 | 1.05 | 1.2286 | 102.6 | 102.6 | 0.000858 | 0.000858 | 103 | |
| PCB-193 (C180) | 45:24 | 4141500 | 1.05 | 1.2286 | 102.6 | 102.6 | 0.000858 | 0.000858 | 103 | |
| PCB-191 | 45:48 | 2328479 | 1.06 | 1.3848 | 51.2 | 51.2 | 0.000761 | 0.000761 | 102 | |
| PCB-170 | 46:42 | 1698584 | 1.06 | 1.2700 | 52.6 | 52.6 | 0.001098 | 0.001098 | 105 | |
| PCB-190 | 47:14 | 2302743 | 1.06 | 1.3774 | 50.9 | 50.9 | 0.000766 | 0.000766 | 102 | |
| PCB-189 | 49:49 | 4578592 | 1.06 | 1.2799 | 51.2 | 51.2 | 0.1248 | 0.1248 | 102 | |
| S Total Octachlorobipheny | | | | | 578.1 | 578.1 | 0.0712 | 0.0712 | | |
| D PCB-202L | 42:39 | 3304554 | 0.91 | 1.0055 | 105.4 | 105.4 | 0.001601 | 0.001601 | 105 | |
| * PCB-194L | 51:54 | 3896153 | 0.89 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:23 | 4677725 | 0.91 | 1.2867 | 93.3 | 93.3 | 0.0490 | 0.0490 | 93.31 | |
| PCB-202 | 42:40 | 1619248 | 0.90 | 1.0531 | 46.5 | 46.5 | 0.008883 | 0.008883 | 93.06 | |
| PCB-201 | 43:35 | 1801219 | 0.91 | 1.1860 | 46.0 | 46.0 | 0.007887 | 0.007887 | 91.92 | |
| PCB-204 | 44:16 | 1722077 | 0.91 | 1.1009 | 47.3 | 47.3 | 0.008497 | 0.008497 | 94.68 | |
| PCB-197 | 44:29 | 1879298 | 0.98 | 1.2053 | 47.2 | 47.2 | 0.007761 | 0.007761 | 94.37 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:36 | 1731627 | 0.82 | 1.1260 | 46.5 | 46.5 | 0.008307 | 0.008307 | 93.07 | |
| PCB-198 | 47:23 | 2551397 | 0.90 | 0.8183 | 94.4 | 94.4 | 0.0114 | 0.0114 | 94.36 | |
| PCB-199 (C198) | 47:23 | 2551397 | 0.90 | 0.8183 | 94.4 | 94.4 | 0.0114 | 0.0114 | 94.36 | |
| PCB-196 | 48:04 | 1339217 | 0.90 | 0.8748 | 46.3 | 46.3 | 0.0107 | 0.0107 | 92.65 | |
| PCB-203 | 48:16 | 1429988 | 0.92 | 0.9219 | 46.9 | 46.9 | 0.0101 | 0.0101 | 93.88 | |
| PCB-195 | 49:35 | 2077909 | 0.92 | 0.7839 | 56.7 | 56.7 | 0.2861 | 0.2861 | 113 | |
| PCB-194 | 51:56 | 2222378 | 0.91 | 0.9282 | 51.2 | 51.2 | 0.2417 | 0.2417 | 102 | |
| PCB-205 | 52:24 | 2835494 | 0.90 | 1.2342 | 49.1 | 49.1 | 0.1817 | 0.1817 | 98.23 | |
| S Total Nonachlorobipheny | | | | | 142.9 | 142.9 | 0.3058 | 0.3058 | | |
| D PCB-208L | 49:20 | 4284657 | 0.80 | 1.1383 | 96.6 | 96.6 | 0.2568 | 0.2568 | 96.61 | |
| D PCB-206L | 54:08 | 2949035 | 0.84 | 0.8938 | 84.7 | 84.7 | 0.3271 | 0.3271 | 84.68 | |
| PCB-208 | 49:22 | 2362646 | 0.79 | 1.1567 | 47.7 | 47.7 | 0.2697 | 0.2697 | 95.34 | |
| PCB-207 | 50:17 | 2443854 | 0.79 | 1.3964 | 48.4 | 48.4 | 0.2653 | 0.2653 | 96.78 | |
| PCB-206 | 54:09 | 1646246 | 0.78 | 1.1927 | 46.8 | 46.8 | 0.3825 | 0.3825 | 93.61 | |
| D PCB-209L | 55:46 | 2894352 | 0.73 | 0.9809 | 75.7 | 75.7 | 0.002626 | 0.002626 | 75.74 | |
| DCB Decachlorobiphenyl | 55:48 | 1713599 | 0.71 | 1.2455 | 47.5 | 47.5 | 0.0122 | 0.0122 | 95.07 | |
| S Polychlorinated bipheny | | | | | 9770.9 | 9770.9 | 0.1148 | 0.1148 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00007 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 11-Oct-2019 12:49:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 11-Oct-2019 14:08:55 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0301

First Level Reviewer: nordquistj Date: 11-Oct-2019 14:07:12

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:47 | 11:47 | 0 | 0.729 | 4067214 | 1636524 | 743 | 1857 | 2203 | | |
| 202.0766 | 11:47 | 11:47 | 0 | 0.729 | 1307213 | 528652 | 438 | 1095 | 1207 | 3.11(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:57 | 13:57 | 0 | 0.863 | 4080269 | 1392357 | 743 | 1857 | 1874 | | |
| 202.0766 | 13:57 | 13:57 | 0 | 0.863 | 1316370 | 452551 | 438 | 1095 | 1033 | 3.10(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:48 | 11:48 | 0 | 1.001 | 2345760 | 956715 | 746 | 1865 | 1282 | | |
| 190.0363 | 11:48 | 11:48 | 0 | 1.001 | 760507 | 306900 | 292 | 730 | 1051 | 3.08(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:46 | 13:46 | 0 | 0.988 | 2268675 | 775600 | 746 | 1865 | 1040 | | |
| 190.0363 | 13:46 | 13:46 | 0 | 0.988 | 711957 | 244478 | 292 | 730 | 837 | 3.19(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:57 | 0 | 1.001 | 2332806 | 772356 | 746 | 1865 | 1035 | | |
| 190.0363 | 13:57 | 13:57 | 0 | 1.001 | 752907 | 246851 | 292 | 730 | 845 | 3.10(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:11 | 14:11 | 0 | 0.878 | 1532975 | 525225 | 214 | 535 | 2454 | | |
| 236.0376 | 14:11 | 14:11 | 0 | 0.878 | 993813 | 343710 | 81 | 202 | 4243 | 1.54(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:09 | 0 | | 2397399 | 738269 | 214 | 535 | 3450 | | |
| 236.0376 | 16:09 | 16:09 | 0 | | 1506547 | 461884 | 81 | 202 | 5702 | 1.59(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 16:59 | 16:59 | 0 | 1.197 | 1138861 | 323445 | 214 | 535 | 1511 | | |
| 236.0376 | 16:59 | 16:59 | 0 | 1.197 | 735103 | 213448 | 81 | 202 | 2635 | 1.55(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:03 | 20:03 | 0 | 1.241 | 2550794 | 659614 | 214 | 535 | 3082 | | |
| 236.0376 | 20:03 | 20:03 | 0 | 1.241 | 1633326 | 416622 | 81 | 202 | 5143 | 1.56(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:12 | 14:12 | 0 | 1.001 | 912520 | 310619 | 38 | 95 | 8174 | | |
| 223.9974 | 14:12 | 14:12 | 0 | 1.001 | 576240 | 197189 | 48 | 120 | 4108 | 1.58(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:22 | 14:22 | 0 | 1.013 | 1439847 | 467417 | 38 | 95 | 12300 | | |
| 223.9974 | 14:22 | 14:22 | 0 | 1.013 | 907398 | 300728 | 48 | 120 | 6265 | 1.59(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:10 | 16:10 | 0 | 1.139 | 1334756 | 410667 | 38 | 95 | 10807 | | |
| 223.9974 | 16:10 | 16:10 | 0 | 1.139 | 829726 | 256924 | 48 | 120 | 5353 | 1.61(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:20 | 0 | 1.151 | 1534481 | 462475 | 38 | 95 | 12170 | | |
| 223.9974 | 16:20 | 16:20 | 0 | 1.151 | 964763 | 288113 | 48 | 120 | 6002 | 1.59(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:34 | 16:34 | 0 | 1.168 | 1449911 | 425963 | 38 | 95 | 11210 | | |
| 223.9974 | 16:34 | 16:34 | 0 | 1.168 | 908268 | 269235 | 48 | 120 | 5609 | 1.60(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:52 | 16:52 | 0 | 1.189 | 1445135 | 419810 | 38 | 95 | 11048 | | |
| 223.9974 | 16:52 | 16:52 | 0 | 1.189 | 912889 | 265235 | 48 | 120 | 5526 | 1.58(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:00 | 17:00 | 0 | 1.198 | 1493838 | 427760 | 38 | 95 | 11257 | | |
| 223.9974 | 17:00 | 17:00 | 0 | 1.198 | 934155 | 267193 | 48 | 120 | 5567 | 1.60(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:38 | 18:38 | 0 | 0.929 | 1752474 | 469578 | 38 | 95 | 12357 | | |
| 223.9974 | 18:38 | 18:38 | 0 | 0.929 | 1088366 | 292219 | 48 | 120 | 6088 | 1.61(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:28 | 19:28 | 0 | 0.971 | 1525280 | 388799 | 38 | 95 | 10232 | | |
| 223.9974 | 19:28 | 19:28 | 0 | 0.971 | 943864 | 239695 | 48 | 120 | 4994 | 1.62(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 0 | 0.986 | 3038004 | 473181 | 38 | 95 | 12452 | | |
| 223.9974 | 19:47 | 19:47 | 0 | 0.986 | 1893998 | 294656 | 48 | 120 | 6139 | 1.60(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 0 | 0.986 | 3038004 | 473181 | 38 | 95 | 12452 | | |
| 223.9974 | 19:47 | 19:47 | 0 | 0.986 | 1893998 | 294656 | 48 | 120 | 6139 | 1.60(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:05 | 20:05 | 0 | 1.001 | 1618982 | 389243 | 38 | 95 | 10243 | | |
| 223.9974 | 20:05 | 20:05 | 0 | 1.001 | 1025223 | 243206 | 48 | 120 | 5067 | 1.58(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:18 | 17:18 | 0 | 0.842 | 871136 | 244457 | 534 | 1335 | 458 | | |
| 269.9986 | 17:18 | 17:18 | 0 | 0.842 | 838504 | 243861 | 325 | 812 | 750 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:32 | 0 | | 1368561 | 355741 | 534 | 1335 | 666 | | |
| 269.9986 | 20:32 | 20:32 | 0 | | 1276967 | 336177 | 325 | 812 | 1034 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:47 | 0 | | 3982825 | 982907 | 604 | 1510 | 1627 | | |
| 269.9986 | 22:47 | 22:47 | 0 | | 3676269 | 902153 | 537 | 1342 | 1680 | 1.08(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:05 | 23:05 | 0 | 1.013 | 2204537 | 527794 | 604 | 1510 | 874 | | |
| 269.9986 | 23:05 | 23:05 | 0 | 1.013 | 2011266 | 483742 | 537 | 1342 | 901 | 1.10(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:05 | 27:05 | 0 | 1.188 | 3894097 | 843198 | 604 | 1510 | 1396 | | |
| 269.9986 | 27:05 | 27:05 | 0 | 1.188 | 3528994 | 788918 | 537 | 1342 | 1469 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | 17:18 | 0 | 1.001 | 537470 | 158837 | 15 | 37 | 10589 | | |
| 257.9584 | 17:18 | 17:18 | 0 | 1.001 | 507998 | 147649 | 13 | 32 | 11358 | 1.06(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.107 | 1450244 | 310793 | 15 | 37 | 20720 | | |
| 257.9584 | 19:08 | 19:09 | -1 | 1.107 | 1353465 | 287567 | 13 | 32 | 22121 | 1.07(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:09 | 0 | 1.107 | 1450244 | 310793 | 15 | 37 | 20720 | | |
| 257.9584 | 19:08 | 19:09 | -1 | 1.107 | 1353465 | 287567 | 13 | 32 | 22121 | 1.07(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:35 | 19:35 | 0 | 1.132 | 628925 | 170786 | 15 | 37 | 11386 | | |
| 257.9584 | 19:35 | 19:35 | 0 | 1.132 | 579189 | 155308 | 13 | 32 | 11947 | 1.09(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:47 | 19:47 | 0 | 1.145 | 846376 | 224523 | 15 | 37 | 14968 | | |
| 257.9584 | 19:47 | 19:47 | 0 | 1.145 | 790466 | 208489 | 13 | 32 | 16038 | 1.07(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:55 | 19:55 | 0 | 1.152 | 824103 | 217193 | 15 | 37 | 14480 | | |
| 257.9584 | 19:55 | 19:55 | 0 | 1.152 | 762558 | 200303 | 13 | 32 | 15408 | 1.08(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:02 | 20:02 | 0 | 1.159 | 492126 | 130831 | 15 | 37 | 8722 | | |
| 257.9584 | 20:02 | 20:02 | 0 | 1.159 | 458240 | 120819 | 13 | 32 | 9294 | 1.07(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | a |
| 255.9613 | 20:33 | 20:33 | 0 | 1.188 | 908860 | 233095 | 15 | 37 | 15540 | | a |
| 257.9584 | 20:33 | 20:33 | 0 | 1.188 | 842472 | 219391 | 13 | 32 | 16876 | 1.08(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:49 | 21:49 | 0 | 1.261 | 2468298 | 628562 | 1156 | 2890 | 544 | | |
| 257.9584 | 21:49 | 21:49 | 0 | 1.261 | 2297540 | 589536 | 1049 | 2622 | 562 | 1.07(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | 21:58 | 0 | 1.270 | 2577727 | 642924 | 1156 | 2890 | 556 | | |
| 257.9584 | 21:58 | 21:58 | 0 | 1.270 | 2405968 | 600904 | 1049 | 2622 | 573 | 1.07(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:17 | 0 | 1.289 | 5134320 | 979712 | 1156 | 2890 | 848 | | |
| 257.9584 | 22:17 | 22:17 | 0 | 1.289 | 4785785 | 920246 | 1049 | 2622 | 877 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:17 | 0 | 1.289 | 5134320 | 979712 | 1156 | 2890 | 848 | | |
| 257.9584 | 22:17 | 22:17 | 0 | 1.289 | 4785785 | 920246 | 1049 | 2622 | 877 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:30 | 22:30 | 0 | 0.831 | 2654887 | 610100 | 1156 | 2890 | 528 | | |
| 257.9584 | 22:30 | 22:30 | 0 | 0.831 | 2459925 | 569150 | 1049 | 2622 | 543 | 1.08(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:49 | 22:49 | 0 | 0.843 | 2776338 | 666400 | 1156 | 2890 | 576 | | |
| 257.9584 | 22:49 | 22:49 | 0 | 0.843 | 2596185 | 619958 | 1049 | 2622 | 591 | 1.07(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:07 | 0 | 0.854 | 5123749 | 1058421 | 1156 | 2890 | 916 | | |
| 257.9584 | 23:07 | 23:07 | 0 | 0.854 | 4766502 | 983941 | 1049 | 2622 | 938 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:07 | 0 | 0.854 | 5123749 | 1058421 | 1156 | 2890 | 916 | | |
| 257.9584 | 23:07 | 23:07 | 0 | 0.854 | 4766502 | 983941 | 1049 | 2622 | 938 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | Ma |
| 255.9613 | 23:20 | 23:20 | 0 | 0.862 | 5328884 | 689056 | 1156 | 2890 | 596 | | M |
| 257.9584 | 23:20 | 23:20 | 0 | 0.862 | 5058894 | 648103 | 1049 | 2622 | 618 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | Ma |
| 255.9613 | 23:20 | 23:20 | 0 | 0.862 | 5328884 | 689056 | 1156 | 2890 | 596 | | M |
| 257.9584 | 23:20 | 23:20 | 0 | 0.862 | 5058894 | 648103 | 1049 | 2622 | 618 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:44 | 23:44 | 0 | 0.876 | 2512940 | 583712 | 1156 | 2890 | 505 | | |
| 257.9584 | 23:44 | 23:44 | 0 | 0.876 | 2330592 | 542455 | 1049 | 2622 | 517 | 1.08(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:18 | 25:18 | 0 | 0.934 | 2767283 | 620078 | 1156 | 2890 | 536 | | |
| 257.9584 | 25:18 | 25:18 | 0 | 0.934 | 2564825 | 573754 | 1049 | 2622 | 547 | 1.08(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:39 | 25:39 | 0 | 0.947 | 2824043 | 636908 | 1156 | 2890 | 551 | | |
| 257.9584 | 25:39 | 25:39 | 0 | 0.947 | 2641581 | 596606 | 1049 | 2622 | 569 | 1.07(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:14 | 26:14 | 0 | 0.969 | 2648509 | 595734 | 1156 | 2890 | 515 | | |
| 257.9584 | 26:14 | 26:14 | 0 | 0.969 | 2437212 | 541672 | 1049 | 2622 | 516 | 1.09(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:42 | 26:42 | 0 | 0.986 | 2589379 | 558011 | 1156 | 2890 | 483 | | |
| 257.9584 | 26:42 | 26:42 | 0 | 0.986 | 2402906 | 519141 | 1049 | 2622 | 495 | 1.08(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:06 | 27:06 | 0 | 1.001 | 2735860 | 580927 | 1156 | 2890 | 503 | | |
| 257.9584 | 27:06 | 27:06 | 0 | 1.001 | 2535543 | 538625 | 1049 | 2622 | 513 | 1.08(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:21 | 20:21 | 0 | 0.817 | 814830 | 209339 | 49 | 122 | 4272 | | |
| 303.9597 | 20:21 | 20:21 | 0 | 0.817 | 1017742 | 266516 | 4 | 10 | 66629 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:55 | 24:55 | 0 | | 1693543 | 394301 | 652 | 1630 | 605 | | |
| 303.9597 | 24:55 | 24:55 | 0 | | 2146549 | 514350 | 650 | 1625 | 791 | 0.79(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:51 | 32:51 | 0 | 0.971 | 1137129 | 237702 | 652 | 1630 | 365 | | |
| 303.9597 | 32:51 | 32:51 | 0 | 0.971 | 1438981 | 301681 | 650 | 1625 | 464 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:50 | 33:50 | 0 | 1.358 | 2205522 | 463456 | 652 | 1630 | 711 | | |
| 303.9597 | 33:50 | 33:50 | 0 | 1.358 | 2830731 | 593843 | 650 | 1625 | 914 | 0.78(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:24 | 34:24 | 0 | 1.381 | 2295476 | 476357 | 652 | 1630 | 731 | | |
| 303.9597 | 34:24 | 34:24 | 0 | 1.381 | 2864605 | 578290 | 650 | 1625 | 890 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:23 | 20:23 | 0 | 1.000 | 510692 | 134469 | 5 | 12 | 26894 | | |
| 291.9194 | 20:23 | 20:23 | 0 | 1.000 | 638370 | 165655 | 19 | 47 | 8719 | 0.80(0.65-0.89) | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:34 | 0 | 1.109 | 1964286 | 378035 | 566 | 1415 | 668 | | |
| 291.9194 | 22:33 | 22:34 | -1 | 1.108 | 2487476 | 476153 | 588 | 1470 | 810 | 0.79(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:34 | 0 | 1.109 | 1964286 | 378035 | 566 | 1415 | 668 | | |
| 291.9194 | 22:33 | 22:34 | -1 | 1.108 | 2487476 | 476153 | 588 | 1470 | 810 | 0.79(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:17 | 23:17 | 0 | 1.144 | 1869870 | 247732 | 566 | 1415 | 438 | | M |
| 291.9194 | 23:17 | 23:17 | 0 | 1.144 | 2337787 | 311228 | 588 | 1470 | 529 | 0.80(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:17 | 23:17 | 0 | 1.144 | 1869870 | 247732 | 566 | 1415 | 438 | | M |
| 291.9194 | 23:17 | 23:17 | 0 | 1.144 | 2337787 | 311228 | 588 | 1470 | 529 | 0.80(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:31 | 23:31 | 0 | 1.155 | 790919 | 193672 | 566 | 1415 | 342 | | |
| 291.9194 | 23:31 | 23:31 | 0 | 1.155 | 1018468 | 245433 | 588 | 1470 | 417 | 0.78(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:56 | 0 | 1.225 | 941187 | 225108 | 566 | 1415 | 398 | | |
| 291.9194 | 24:56 | 24:56 | 0 | 1.225 | 1202717 | 289965 | 588 | 1470 | 493 | 0.78(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | Ma |
| 289.9224 | 25:05 | 25:05 | 0 | 1.232 | 2094133 | 300089 | 566 | 1415 | 530 | | M |
| 291.9194 | 25:05 | 25:05 | 0 | 1.232 | 2668108 | 377440 | 588 | 1470 | 642 | 0.78(0.65-0.89) | |
| PCB-73 (C43) | | | | | | | | | | | Ma |
| 289.9224 | 25:05 | 25:05 | 0 | 1.232 | 2094133 | 300089 | 566 | 1415 | 530 | | M |
| 291.9194 | 25:05 | 25:05 | 0 | 1.232 | 2668108 | 377440 | 588 | 1470 | 642 | 0.78(0.65-0.89) | |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:24 | 0 | 1.248 | 2348973 | 363969 | 566 | 1415 | 643 | | |
| 291.9194 | 25:24 | 25:24 | 0 | 1.248 | 2964077 | 461754 | 588 | 1470 | 785 | 0.79(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:24 | 0 | 1.248 | 2348973 | 363969 | 566 | 1415 | 643 | | |
| 291.9194 | 25:24 | 25:24 | 0 | 1.248 | 2964077 | 461754 | 588 | 1470 | 785 | 0.79(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:43 | 25:43 | 0 | 1.264 | 978805 | 230184 | 566 | 1415 | 407 | | |
| 291.9194 | 25:43 | 25:43 | 0 | 1.264 | 1238197 | 288647 | 588 | 1470 | 491 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:58 | 0 | 1.276 | 3108951 | 541088 | 566 | 1415 | 956 | | |
| 291.9194 | 25:58 | 25:58 | 0 | 1.276 | 3952100 | 687341 | 588 | 1470 | 1169 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:58 | 0 | 1.276 | 3108951 | 541088 | 566 | 1415 | 956 | | |
| 291.9194 | 25:58 | 25:58 | 0 | 1.276 | 3952100 | 687341 | 588 | 1470 | 1169 | 0.79(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:58 | 0 | 1.276 | 3108951 | 541088 | 566 | 1415 | 956 | | |
| 291.9194 | 25:58 | 25:58 | 0 | 1.276 | 3952100 | 687341 | 588 | 1470 | 1169 | 0.79(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:15 | 0 | 1.290 | 4097279 | 630402 | 566 | 1415 | 1114 | | |
| 291.9194 | 26:15 | 26:15 | 0 | 1.290 | 5212140 | 793599 | 588 | 1470 | 1350 | 0.79(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:15 | 0 | 1.290 | 4097279 | 630402 | 566 | 1415 | 1114 | | |
| 291.9194 | 26:15 | 26:15 | 0 | 1.290 | 5212140 | 793599 | 588 | 1470 | 1350 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:15 | 0 | 1.290 | 4097279 | 630402 | 566 | 1415 | 1114 | | |
| 291.9194 | 26:15 | 26:15 | 0 | 1.290 | 5212140 | 793599 | 588 | 1470 | 1350 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:28 | 26:28 | 0 | 1.301 | 950825 | 215432 | 566 | 1415 | 381 | | |
| 291.9194 | 26:28 | 26:28 | 0 | 1.301 | 1194670 | 269212 | 588 | 1470 | 458 | 0.80(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:57 | 26:57 | 0 | 1.324 | 2880229 | 442993 | 566 | 1415 | 783 | | M |
| 291.9194 | 26:57 | 26:57 | 0 | 1.324 | 3659615 | 563641 | 588 | 1470 | 959 | 0.79(0.65-0.89) | |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:57 | 26:57 | 0 | 1.324 | 2880229 | 442993 | 566 | 1415 | 783 | | M |
| 291.9194 | 26:57 | 26:57 | 0 | 1.324 | 3659615 | 563641 | 588 | 1470 | 959 | 0.79(0.65-0.89) | |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:57 | 26:57 | 0 | 1.324 | 2880229 | 442993 | 566 | 1415 | 783 | | M |
| 291.9194 | 26:57 | 26:57 | 0 | 1.324 | 3659615 | 563641 | 588 | 1470 | 959 | 0.79(0.65-0.89) | |
| PCB-64 | | | | | | | | | | | a |
| 289.9224 | 27:10 | 27:10 | 0 | 1.335 | 1479455 | 334006 | 566 | 1415 | 590 | | a |
| 291.9194 | 27:10 | 27:10 | 0 | 1.335 | 1867335 | 420867 | 588 | 1470 | 716 | 0.79(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:00 | 28:00 | 0 | 0.828 | 1401135 | 316462 | 566 | 1415 | 559 | | |
| 291.9194 | 28:00 | 28:00 | 0 | 0.828 | 1783877 | 401810 | 588 | 1470 | 683 | 0.79(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:18 | 28:18 | 0 | 0.836 | 1546621 | 328173 | 566 | 1415 | 580 | | |
| 291.9194 | 28:18 | 28:18 | 0 | 0.836 | 1976258 | 421208 | 588 | 1470 | 716 | 0.78(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:43 | 28:43 | 0 | 0.849 | 1332248 | 295375 | 566 | 1415 | 522 | | |
| 291.9194 | 28:43 | 28:43 | 0 | 0.849 | 1688291 | 370054 | 588 | 1470 | 629 | 0.79(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:57 | 28:57 | 0 | 0.856 | 1402470 | 301970 | 566 | 1415 | 534 | | |
| 291.9194 | 28:57 | 28:57 | 0 | 0.856 | 1758306 | 379918 | 588 | 1470 | 646 | 0.80(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:07 | 29:07 | 0 | 0.860 | 1440941 | 296975 | 566 | 1415 | 525 | | |
| 291.9194 | 29:07 | 29:07 | 0 | 0.860 | 1818457 | 382134 | 588 | 1470 | 650 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:23 | 29:23 | 0 | 0.868 | 1530284 | 333121 | 566 | 1415 | 589 | | |
| 291.9194 | 29:23 | 29:23 | 0 | 0.868 | 1937865 | 421373 | 588 | 1470 | 717 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | Ma |
| 289.9224 | 29:44 | 29:44 | 0 | 0.879 | 5341443 | 587957 | 566 | 1415 | 1039 | | M |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 6722688 | 744258 | 588 | 1470 | 1266 | 0.79(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:44 | 29:44 | 0 | 0.879 | 5341443 | 587957 | 566 | 1415 | 1039 | | M |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 6722688 | 744258 | 588 | 1470 | 1266 | 0.79(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:44 | 29:44 | 0 | 0.879 | 5341443 | 587957 | 566 | 1415 | 1039 | | M |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 6722688 | 744258 | 588 | 1470 | 1266 | 0.79(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | Ma |
| 289.9224 | 29:44 | 29:44 | 0 | 0.879 | 5341443 | 587957 | 566 | 1415 | 1039 | | M |
| 291.9194 | 29:43 | 29:44 | -1 | 0.878 | 6722688 | 744258 | 588 | 1470 | 1266 | 0.79(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:03 | 30:03 | 0 | 0.888 | 1293153 | 277125 | 566 | 1415 | 490 | | |
| 291.9194 | 30:03 | 30:03 | 0 | 0.888 | 1641168 | 347372 | 588 | 1470 | 591 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:13 | 30:13 | 0 | 0.893 | 1322468 | 285299 | 566 | 1415 | 504 | | |
| 291.9194 | 30:13 | 30:13 | 0 | 0.893 | 1654634 | 355310 | 588 | 1470 | 604 | 0.80(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:43 | 30:43 | 0 | 0.908 | 1262144 | 274926 | 566 | 1415 | 486 | | |
| 291.9194 | 30:43 | 30:43 | 0 | 0.908 | 1626640 | 350407 | 588 | 1470 | 596 | 0.78(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:55 | 30:55 | 0 | 0.914 | 1329907 | 283328 | 566 | 1415 | 501 | | |
| 291.9194 | 30:55 | 30:55 | 0 | 0.914 | 1679530 | 357435 | 588 | 1470 | 608 | 0.79(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:21 | 31:21 | 0 | 0.926 | 1526254 | 333153 | 566 | 1415 | 589 | | |
| 291.9194 | 31:21 | 31:21 | 0 | 0.926 | 1884631 | 413032 | 588 | 1470 | 702 | 0.81(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:51 | 32:51 | 0 | 0.971 | 1542324 | 316761 | 566 | 1415 | 560 | | |
| 291.9194 | 32:51 | 32:51 | 0 | 0.971 | 1966314 | 399065 | 588 | 1470 | 679 | 0.78(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:25 | 33:25 | 0 | 0.988 | 1302836 | 275189 | 566 | 1415 | 486 | | |
| 291.9194 | 33:25 | 33:25 | 0 | 0.988 | 1633505 | 347472 | 588 | 1470 | 591 | 0.80(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:52 | 33:52 | 0 | 1.001 | 1381665 | 279416 | 566 | 1415 | 494 | | |
| 291.9194 | 33:52 | 33:52 | 0 | 1.001 | 1739233 | 360445 | 588 | 1470 | 613 | 0.79(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:25 | 34:25 | 0 | 1.001 | 1424801 | 292283 | 566 | 1415 | 516 | | |
| 291.9194 | 34:25 | 34:25 | 0 | 1.001 | 1789601 | 367410 | 588 | 1470 | 625 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:52 | 25:52 | 0 | 0.814 | 2151851 | 494135 | 3 | 7 | 164712 | | |
| 339.9178 | 25:52 | 25:52 | 0 | 0.814 | 1348891 | 307185 | 7 | 17 | 43884 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:49 | 28:49 | 0 | 1.114 | 807219 | 179050 | 3 | 7 | 59683 | | |
| 339.9178 | 28:49 | 28:49 | 0 | 1.114 | 490368 | 103552 | 7 | 17 | 14793 | 1.65(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:46 | 31:46 | 0 | | 1805330 | 393282 | 3 | 7 | 131094 | | |
| 339.9178 | 31:47 | 31:46 | 1 | | 1076167 | 231098 | 7 | 17 | 33014 | 1.68(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:27 | 34:27 | 0 | 1.085 | 1157812 | 235944 | 3 | 7 | 78648 | | |
| 339.9178 | 34:27 | 34:27 | 0 | 1.085 | 748516 | 157434 | 7 | 17 | 22491 | 1.55(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:24 | 36:24 | 0 | 1.146 | 3458585 | 716911 | 2510 | 6275 | 286 | | |
| 339.9178 | 36:24 | 36:24 | 0 | 1.146 | 2165254 | 453613 | 1654 | 4135 | 274 | 1.60(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:44 | 36:44 | 0 | 1.157 | 3601042 | 748829 | 2510 | 6275 | 298 | | |
| 339.9178 | 36:44 | 36:44 | 0 | 1.157 | 2254401 | 477060 | 1654 | 4135 | 288 | 1.60(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:16 | 37:16 | 0 | 1.173 | 3476268 | 722467 | 2510 | 6275 | 288 | | |
| 339.9178 | 37:16 | 37:16 | 0 | 1.173 | 2177964 | 458139 | 1654 | 4135 | 277 | 1.60(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:55 | 37:55 | 0 | 1.194 | 3443071 | 720523 | 2510 | 6275 | 287 | | |
| 339.9178 | 37:55 | 37:55 | 0 | 1.194 | 2194987 | 451570 | 1654 | 4135 | 273 | 1.57(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:23 | 39:23 | 0 | | 3532059 | 711515 | 2510 | 6275 | 283 | | |
| 339.9178 | 39:23 | 39:23 | 0 | | 2148998 | 436025 | 1654 | 4135 | 264 | 1.64(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:00 | 41:00 | 0 | 1.291 | 3423617 | 685919 | 2510 | 6275 | 273 | | |
| 339.9178 | 41:00 | 41:00 | 0 | 1.291 | 2132790 | 425843 | 1654 | 4135 | 257 | 1.61(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:54 | 25:54 | 0 | 1.001 | 1443377 | 326996 | 33 | 82 | 9909 | | |
| 327.8775 | 25:54 | 25:54 | 0 | 1.001 | 903320 | 205630 | 11 | 27 | 18694 | 1.60(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:15 | 26:15 | 0 | 1.015 | 1270506 | 288215 | 33 | 82 | 8734 | | |
| 327.8775 | 26:15 | 26:15 | 0 | 1.015 | 804964 | 183378 | 11 | 27 | 16671 | 1.58(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:12 | 28:12 | 0 | 1.090 | 1105186 | 243145 | 33 | 82 | 7368 | | |
| 327.8775 | 28:11 | 28:12 | -1 | 1.090 | 704576 | 157505 | 11 | 27 | 14319 | 1.57(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | a |
| 325.8804 | 28:25 | 28:25 | 0 | 1.098 | 985533 | 220655 | 33 | 82 | 6687 | | a |
| 327.8775 | 28:25 | 28:25 | 0 | 1.098 | 596858 | 133136 | 11 | 27 | 12103 | 1.65(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:51 | 28:51 | 0 | 1.115 | 1035518 | 230788 | 33 | 82 | 6994 | | |
| 327.8775 | 28:51 | 28:51 | 0 | 1.115 | 648753 | 145881 | 11 | 27 | 13262 | 1.60(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:05 | 0 | 1.124 | 2067548 | 442527 | 33 | 82 | 13410 | | |
| 327.8775 | 29:05 | 29:05 | 0 | 1.124 | 1306675 | 279061 | 11 | 27 | 25369 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:05 | 0 | 1.124 | 2067548 | 442527 | 33 | 82 | 13410 | | |
| 327.8775 | 29:05 | 29:05 | 0 | 1.124 | 1306675 | 279061 | 11 | 27 | 25369 | 1.58(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:13 | 29:13 | 0 | 1.129 | 2079528 | 253271 | 33 | 82 | 7675 | | M |
| 327.8775 | 29:13 | 29:13 | 0 | 1.129 | 1335885 | 162500 | 11 | 27 | 14773 | 1.56(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:13 | 29:13 | 0 | 1.129 | 2079528 | 253271 | 33 | 82 | 7675 | | M |
| 327.8775 | 29:13 | 29:13 | 0 | 1.129 | 1335885 | 162500 | 11 | 27 | 14773 | 1.56(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:43 | 29:43 | 0 | 1.149 | 2053458 | 244068 | 33 | 82 | 7396 | | |
| 327.8775 | 29:43 | 29:43 | 0 | 1.149 | 1288805 | 151681 | 11 | 27 | 13789 | 1.59(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:43 | 29:43 | 0 | 1.149 | 2053458 | 244068 | 33 | 82 | 7396 | | |
| 327.8775 | 29:43 | 29:43 | 0 | 1.149 | 1288805 | 151681 | 11 | 27 | 13789 | 1.59(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:57 | 29:57 | 0 | 1.157 | 884462 | 187127 | 33 | 82 | 5671 | | |
| 327.8775 | 29:57 | 29:57 | 0 | 1.157 | 549886 | 116881 | 11 | 27 | 10626 | 1.61(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | a |
| 325.8804 | 30:25 | 30:25 | 0 | 1.176 | 935942 | 204743 | 33 | 82 | 6204 | | a |
| 327.8775 | 30:25 | 30:25 | 0 | 1.176 | 588563 | 127455 | 11 | 27 | 11587 | 1.59(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:50 | 30:50 | 0 | 1.192 | 1415615 | 307982 | 33 | 82 | 9333 | | |
| 327.8775 | 30:50 | 30:50 | 0 | 1.192 | 893162 | 196907 | 11 | 27 | 17901 | 1.58(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:12 | 31:12 | 0 | 0.857 | 999941 | 211902 | 33 | 82 | 6421 | | |
| 327.8775 | 31:12 | 31:12 | 0 | 0.857 | 621891 | 131750 | 11 | 27 | 11977 | 1.61(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:47 | 0 | 1.228 | 3515284 | 512042 | 33 | 82 | 15516 | | |
| 327.8775 | 31:47 | 31:47 | 0 | 1.228 | 2182331 | 325607 | 11 | 27 | 29601 | 1.61(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:47 | 0 | 1.228 | 3515284 | 512042 | 33 | 82 | 15516 | | |
| 327.8775 | 31:47 | 31:47 | 0 | 1.228 | 2182331 | 325607 | 11 | 27 | 29601 | 1.61(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:47 | 0 | 1.228 | 3515284 | 512042 | 33 | 82 | 15516 | | |
| 327.8775 | 31:47 | 31:47 | 0 | 1.228 | 2182331 | 325607 | 11 | 27 | 29601 | 1.61(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:22 | 32:22 | 0 | 1.251 | 1981806 | 245004 | 33 | 82 | 7424 | | |
| 327.8775 | 32:22 | 32:22 | 0 | 1.251 | 1273165 | 154915 | 11 | 27 | 14083 | 1.56(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:22 | 32:22 | 0 | 1.251 | 1981806 | 245004 | 33 | 82 | 7424 | | |
| 327.8775 | 32:22 | 32:22 | 0 | 1.251 | 1273165 | 154915 | 11 | 27 | 14083 | 1.56(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | 32:29 | 0 | 1.256 | 1433235 | 298570 | 33 | 82 | 9048 | | |
| 327.8775 | 32:29 | 32:29 | 0 | 1.256 | 894614 | 186714 | 11 | 27 | 16974 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:51 | 0 | 1.270 | 7086654 | 817962 | 33 | 82 | 24787 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.270 | 4456225 | 525253 | 11 | 27 | 47750 | 1.59(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:51 | 0 | 1.270 | 7086654 | 817962 | 33 | 82 | 24787 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.270 | 4456225 | 525253 | 11 | 27 | 47750 | 1.59(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:51 | 0 | 1.270 | 7086654 | 817962 | 33 | 82 | 24787 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.270 | 4456225 | 525253 | 11 | 27 | 47750 | 1.59(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:51 | 0 | 1.270 | 7086654 | 817962 | 33 | 82 | 24787 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.270 | 4456225 | 525253 | 11 | 27 | 47750 | 1.59(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:51 | 0 | 1.270 | 7086654 | 817962 | 33 | 82 | 24787 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.270 | 4456225 | 525253 | 11 | 27 | 47750 | 1.59(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:51 | 32:51 | 0 | 1.270 | 7086654 | 817962 | 33 | 82 | 24787 | | M |
| 327.8775 | 32:51 | 32:51 | 0 | 1.270 | 4456225 | 525253 | 11 | 27 | 47750 | 1.59(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:36 | 0 | 1.299 | 3699735 | 494194 | 33 | 82 | 14976 | | |
| 327.8775 | 33:36 | 33:36 | 0 | 1.299 | 2323825 | 311888 | 11 | 27 | 28353 | 1.59(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:36 | 0 | 1.299 | 3699735 | 494194 | 33 | 82 | 14976 | | |
| 327.8775 | 33:36 | 33:36 | 0 | 1.299 | 2323825 | 311888 | 11 | 27 | 28353 | 1.59(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:36 | 0 | 1.299 | 3699735 | 494194 | 33 | 82 | 14976 | | |
| 327.8775 | 33:36 | 33:36 | 0 | 1.299 | 2323825 | 311888 | 11 | 27 | 28353 | 1.59(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:50 | 0 | 1.308 | 2730974 | 307819 | 33 | 82 | 9328 | | |
| 327.8775 | 33:50 | 33:50 | 0 | 1.308 | 1731836 | 197033 | 11 | 27 | 17912 | 1.58(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:50 | 0 | 1.308 | 2730974 | 307819 | 33 | 82 | 9328 | | |
| 327.8775 | 33:50 | 33:50 | 0 | 1.308 | 1731836 | 197033 | 11 | 27 | 17912 | 1.58(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | a |
| 325.8804 | 34:05 | 34:05 | 0 | 1.317 | 897707 | 180464 | 33 | 82 | 5469 | | a |
| 327.8775 | 34:05 | 34:05 | 0 | 1.317 | 571310 | 114318 | 11 | 27 | 10393 | 1.57(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:28 | 34:28 | 0 | 1.333 | 1480416 | 303247 | 33 | 82 | 9189 | | |
| 327.8775 | 34:28 | 34:28 | 0 | 1.333 | 926495 | 188629 | 11 | 27 | 17148 | 1.60(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:57 | 34:57 | 0 | 1.351 | 1494241 | 307106 | 33 | 82 | 9306 | | |
| 327.8775 | 34:56 | 34:57 | -1 | 1.350 | 945372 | 192373 | 11 | 27 | 17488 | 1.58(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:04 | 0 | 1.394 | 4341291 | 876294 | 1613 | 4032 | 543 | | |
| 327.8775 | 36:04 | 36:04 | 0 | 1.394 | 2728801 | 553487 | 1006 | 2515 | 550 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:04 | 0 | 1.394 | 4341291 | 876294 | 1613 | 4032 | 543 | | |
| 327.8775 | 36:04 | 36:04 | 0 | 1.394 | 2728801 | 553487 | 1006 | 2515 | 550 | 1.59(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:19 | 36:19 | 0 | 1.404 | 2468542 | 477641 | 1613 | 4032 | 296 | | |
| 327.8775 | 36:19 | 36:19 | 0 | 1.404 | 1540005 | 296696 | 1006 | 2515 | 295 | 1.60(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:26 | 36:26 | 0 | 1.001 | 2384504 | 505201 | 1613 | 4032 | 313 | | |
| 327.8775 | 36:26 | 36:26 | 0 | 1.001 | 1495140 | 312720 | 1006 | 2515 | 311 | 1.59(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:33 | 36:33 | 0 | 1.004 | 2145396 | 452920 | 1613 | 4032 | 281 | | |
| 327.8775 | 36:33 | 36:33 | 0 | 1.004 | 1344114 | 287411 | 1006 | 2515 | 286 | 1.60(1.32-1.78) | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:46 | 36:46 | 0 | 1.001 | 2404053 | 485217 | 1613 | 4032 | 301 | | |
| 327.8775 | 36:46 | 36:46 | 0 | 1.001 | 1476608 | 302093 | 1006 | 2515 | 300 | 1.63(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:06 | 37:06 | 0 | 1.010 | 2050007 | 419221 | 1613 | 4032 | 260 | | |
| 327.8775 | 37:06 | 37:06 | 0 | 1.010 | 1287406 | 264400 | 1006 | 2515 | 263 | 1.59(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:17 | 37:17 | 0 | 1.000 | 2449794 | 477089 | 1613 | 4032 | 296 | | |
| 327.8775 | 37:17 | 37:17 | 0 | 1.000 | 1549832 | 305231 | 1006 | 2515 | 303 | 1.58(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:56 | 37:56 | 0 | 1.001 | 2274614 | 444481 | 1613 | 4032 | 276 | | |
| 327.8775 | 37:56 | 37:56 | 0 | 1.001 | 1470286 | 280106 | 1006 | 2515 | 278 | 1.55(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:25 | 39:25 | 0 | 1.040 | 2348409 | 453355 | 1613 | 4032 | 281 | | |
| 327.8775 | 39:25 | 39:25 | 0 | 1.040 | 1455201 | 281940 | 1006 | 2515 | 280 | 1.61(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:01 | 41:01 | 0 | 1.001 | 2348257 | 432922 | 1613 | 4032 | 268 | | |
| 327.8775 | 41:01 | 41:01 | 0 | 1.001 | 1460714 | 268737 | 1006 | 2515 | 267 | 1.61(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:33 | 31:33 | 0 | 0.791 | 1861581 | 398720 | 4 | 10 | 99680 | | |
| 373.8788 | 31:33 | 31:33 | 0 | 0.791 | 1464175 | 323940 | 5 | 12 | 64788 | 1.27(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:37 | 38:37 | 0 | 0.901 | 1128245 | 240824 | 743 | 1857 | 324 | | |
| 373.8788 | 38:37 | 38:37 | 0 | 0.901 | 851329 | 177458 | 1039 | 2597 | 171 | 1.33(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:52 | 39:52 | 0 | | 2145839 | 436509 | 743 | 1857 | 587 | | |
| 373.8788 | 39:52 | 39:52 | 0 | | 1701002 | 353150 | 1039 | 2597 | 340 | 1.26(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:52 | 42:52 | 0 | 1.076 | 2733446 | 551261 | 743 | 1857 | 742 | | |
| 373.8788 | 42:52 | 42:52 | 0 | 1.076 | 2138059 | 423133 | 1039 | 2597 | 407 | 1.28(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:01 | 0 | 1.104 | 5302812 | 743172 | 743 | 1857 | 1000 | | |
| 373.8788 | 44:01 | 44:01 | 0 | 1.104 | 4237563 | 596810 | 1039 | 2597 | 574 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:01 | 0 | 1.104 | 5302812 | 743172 | 743 | 1857 | 1000 | | |
| 373.8788 | 44:01 | 44:01 | 0 | 1.104 | 4237563 | 596810 | 1039 | 2597 | 574 | 1.25(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:15 | 47:15 | 0 | 1.185 | 2779345 | 536202 | 743 | 1857 | 722 | | |
| 373.8788 | 47:15 | 47:15 | 0 | 1.185 | 2140699 | 416604 | 1039 | 2597 | 401 | 1.30(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:34 | 31:34 | 0 | 1.001 | 1095674 | 237502 | 10 | 25 | 23750 | | |
| 361.8385 | 31:34 | 31:34 | 0 | 1.001 | 865432 | 187514 | 8 | 20 | 23439 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:46 | 31:46 | 0 | 1.007 | 1033115 | 225172 | 10 | 25 | 22517 | | |
| 361.8385 | 31:46 | 31:46 | 0 | 1.007 | 812500 | 173945 | 8 | 20 | 21743 | 1.27(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:56 | 31:56 | 0 | 1.012 | 1042710 | 219376 | 10 | 25 | 21938 | | |
| 361.8385 | 31:56 | 31:56 | 0 | 1.012 | 847452 | 181228 | 8 | 20 | 22654 | 1.23(1.05-1.43) | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:17 | 32:17 | 0 | 1.023 | 974460 | 208207 | 10 | 25 | 20821 | | |
| 361.8385 | 32:17 | 32:17 | 0 | 1.023 | 759916 | 163748 | 8 | 20 | 20469 | 1.28(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:35 | 32:35 | 0 | 1.033 | 991610 | 209369 | 10 | 25 | 20937 | | |
| 361.8385 | 32:35 | 32:35 | 0 | 1.033 | 791588 | 166714 | 8 | 20 | 20839 | 1.25(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:06 | 34:06 | 0 | 1.081 | 757000 | 160098 | 10 | 25 | 16010 | | |
| 361.8385 | 34:06 | 34:06 | 0 | 1.081 | 595567 | 127069 | 8 | 20 | 15884 | 1.27(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:41 | 34:41 | 0 | 1.100 | 1459541 | 168593 | 10 | 25 | 16859 | | M |
| 361.8385 | 34:41 | 34:41 | 0 | 1.100 | 1160469 | 134377 | 8 | 20 | 16797 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:41 | 34:41 | 0 | 1.100 | 1459541 | 168593 | 10 | 25 | 16859 | | M |
| 361.8385 | 34:41 | 34:41 | 0 | 1.100 | 1160469 | 134377 | 8 | 20 | 16797 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:57 | 34:57 | 0 | 1.108 | 848351 | 177711 | 10 | 25 | 17771 | | |
| 361.8385 | 34:57 | 34:57 | 0 | 1.108 | 672680 | 138297 | 8 | 20 | 17287 | 1.26(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:16 | 35:16 | 0 | 1.118 | 773647 | 159413 | 10 | 25 | 15941 | | |
| 361.8385 | 35:15 | 35:16 | -1 | 1.117 | 615938 | 127145 | 8 | 20 | 15893 | 1.26(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:37 | 0 | 1.129 | 2339086 | 483188 | 201 | 502 | 2404 | | |
| 361.8385 | 35:37 | 35:37 | 0 | 1.129 | 1889687 | 390071 | 167 | 417 | 2336 | 1.24(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:37 | 35:37 | 0 | 1.129 | 2339086 | 483188 | 201 | 502 | 2404 | | |
| 361.8385 | 35:37 | 35:37 | 0 | 1.129 | 1889687 | 390071 | 167 | 417 | 2336 | 1.24(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | Ma |
| 359.8415 | 35:55 | 35:55 | 0 | 1.139 | 2071900 | 230682 | 201 | 502 | 1148 | | M |
| 361.8385 | 35:55 | 35:55 | 0 | 1.139 | 1664057 | 182744 | 167 | 417 | 1094 | 1.25(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-143 (C134) | | | | | | | | | | | Ma |
| 359.8415 | 35:55 | 35:55 | 0 | 1.139 | 2071900 | 230682 | 201 | 502 | 1148 | | M |
| 361.8385 | 35:55 | 35:55 | 0 | 1.139 | 1664057 | 182744 | 167 | 417 | 1094 | 1.25(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:13 | 36:13 | 0 | 1.148 | 2365059 | 451518 | 201 | 502 | 2246 | | |
| 361.8385 | 36:13 | 36:13 | 0 | 1.148 | 1912154 | 363534 | 167 | 417 | 2177 | 1.24(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:13 | 36:13 | 0 | 1.148 | 2365059 | 451518 | 201 | 502 | 2246 | | |
| 361.8385 | 36:13 | 36:13 | 0 | 1.148 | 1912154 | 363534 | 167 | 417 | 2177 | 1.24(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:25 | 36:25 | 0 | 1.155 | 1052451 | 217921 | 201 | 502 | 1084 | | |
| 361.8385 | 36:25 | 36:25 | 0 | 1.155 | 826183 | 169738 | 167 | 417 | 1016 | 1.27(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | a |
| 359.8415 | 36:34 | 36:34 | 0 | 1.159 | 1049840 | 217973 | 201 | 502 | 1084 | | a |
| 361.8385 | 36:34 | 36:34 | 0 | 1.159 | 827772 | 169715 | 167 | 417 | 1016 | 1.27(1.05-1.43) | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:53 | 36:53 | 0 | 1.169 | 1065619 | 222032 | 201 | 502 | 1105 | | |
| 361.8385 | 36:53 | 36:53 | 0 | 1.169 | 843641 | 174821 | 167 | 417 | 1047 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:23 | 37:23 | 0 | 1.185 | 1095769 | 225627 | 201 | 502 | 1123 | | |
| 361.8385 | 37:23 | 37:23 | 0 | 1.185 | 873773 | 176550 | 167 | 417 | 1057 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:47 | 37:47 | 0 | 0.881 | 1357208 | 279679 | 201 | 502 | 1391 | | |
| 361.8385 | 37:47 | 37:47 | 0 | 0.881 | 1089544 | 228516 | 167 | 417 | 1368 | 1.25(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:02 | 38:02 | 0 | 0.887 | 1225869 | 255718 | 201 | 502 | 1272 | | |
| 361.8385 | 38:02 | 38:02 | 0 | 0.887 | 975562 | 201721 | 167 | 417 | 1208 | 1.26(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:09 | 38:09 | 0 | 0.890 | 1572740 | 319125 | 201 | 502 | 1588 | | |
| 361.8385 | 38:09 | 38:09 | 0 | 0.890 | 1234465 | 251619 | 167 | 417 | 1507 | 1.27(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:41 | 0 | 0.902 | 2975002 | 436212 | 201 | 502 | 2170 | | |
| 361.8385 | 38:40 | 38:41 | -1 | 0.902 | 2333665 | 347765 | 167 | 417 | 2082 | 1.27(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:41 | 0 | 0.902 | 2975002 | 436212 | 201 | 502 | 2170 | | |
| 361.8385 | 38:40 | 38:41 | -1 | 0.902 | 2333665 | 347765 | 167 | 417 | 2082 | 1.27(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:50 | 38:50 | 0 | 0.906 | 1105469 | 225731 | 201 | 502 | 1123 | | |
| 361.8385 | 38:50 | 38:50 | 0 | 0.906 | 946568 | 182201 | 167 | 417 | 1091 | 1.17(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:15 | 39:15 | 0 | 0.915 | 997972 | 204473 | 201 | 502 | 1017 | | |
| 361.8385 | 39:15 | 39:15 | 0 | 0.915 | 798629 | 164061 | 167 | 417 | 982 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:28 | 39:28 | 0 | 0.921 | 1229717 | 259019 | 201 | 502 | 1289 | | |
| 361.8385 | 39:28 | 39:28 | 0 | 0.921 | 976099 | 203775 | 167 | 417 | 1220 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:35 | 39:35 | 0 | 0.923 | 1504673 | 303247 | 201 | 502 | 1509 | | |
| 361.8385 | 39:35 | 39:35 | 0 | 0.923 | 1192719 | 239373 | 167 | 417 | 1433 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 5114322 | 573060 | 201 | 502 | 2851 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 4046891 | 459446 | 167 | 417 | 2751 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 5114322 | 573060 | 201 | 502 | 2851 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 4046891 | 459446 | 167 | 417 | 2751 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 5114322 | 573060 | 201 | 502 | 2851 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 4046891 | 459446 | 167 | 417 | 2751 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 5114322 | 573060 | 201 | 502 | 2851 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 4046891 | 459446 | 167 | 417 | 2751 | 1.26(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:17 | 40:17 | 0 | 0.940 | 1623343 | 316410 | 201 | 502 | 1574 | | |
| 361.8385 | 40:17 | 40:17 | 0 | 0.940 | 1294005 | 252329 | 167 | 417 | 1511 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:08 | 41:08 | 0 | 0.959 | 2707845 | 461455 | 201 | 502 | 2296 | | |
| 361.8385 | 41:08 | 41:08 | 0 | 0.959 | 2116012 | 371127 | 167 | 417 | 2222 | 1.28(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:08 | 41:08 | 0 | 0.959 | 2707845 | 461455 | 201 | 502 | 2296 | | |
| 361.8385 | 41:08 | 41:08 | 0 | 0.959 | 2116012 | 371127 | 167 | 417 | 2222 | 1.28(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:08 | 42:08 | 0 | 0.983 | 1570257 | 310532 | 201 | 502 | 1545 | | |
| 361.8385 | 42:08 | 42:08 | 0 | 0.983 | 1257268 | 248889 | 167 | 417 | 1490 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:25 | 42:25 | 0 | 0.990 | 1648151 | 316814 | 201 | 502 | 1576 | | |
| 361.8385 | 42:25 | 42:25 | 0 | 0.990 | 1295800 | 249219 | 167 | 417 | 1492 | 1.27(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:54 | 42:54 | 0 | 1.001 | 1680921 | 332685 | 201 | 502 | 1655 | | |
| 361.8385 | 42:54 | 42:54 | 0 | 1.001 | 1347253 | 270637 | 167 | 417 | 1621 | 1.25(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:03 | 44:03 | 0 | 1.001 | 3206191 | 448347 | 201 | 502 | 2231 | | |
| 361.8385 | 44:03 | 44:03 | 0 | 1.001 | 2550283 | 357748 | 167 | 417 | 2142 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:03 | 44:03 | 0 | 1.001 | 3206191 | 448347 | 201 | 502 | 2231 | | |
| 361.8385 | 44:03 | 44:03 | 0 | 1.001 | 2550283 | 357748 | 167 | 417 | 2142 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:17 | 47:17 | 0 | 1.001 | 1663985 | 315622 | 201 | 502 | 1570 | | |
| 361.8385 | 47:17 | 47:17 | 0 | 1.001 | 1301254 | 243526 | 167 | 417 | 1458 | 1.28(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:16 | 37:16 | 0 | 0.821 | 2078546 | 429476 | 49 | 122 | 8765 | | |
| 407.8398 | 37:16 | 37:16 | 0 | 0.821 | 1946983 | 396461 | 1 | 2 | 396461 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:19 | 40:19 | 0 | 0.888 | 783788 | 154916 | 49 | 122 | 3162 | | |
| 407.8398 | 40:20 | 40:19 | 1 | 0.888 | 717745 | 142462 | 1 | 2 | 142462 | 1.09(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:25 | 45:25 | 0 | | 1628760 | 326086 | 49 | 122 | 6655 | | |
| 407.8398 | 45:25 | 45:25 | 0 | | 1489183 | 294908 | 1 | 2 | 294908 | 1.09(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:41 | 46:41 | 0 | 1.028 | 1315890 | 256589 | 49 | 122 | 5237 | | |
| 407.8398 | 46:41 | 46:41 | 0 | 1.028 | 1229066 | 245214 | 1 | 2 | 245214 | 1.07(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:47 | 49:47 | 0 | 1.096 | 3596553 | 701483 | 765 | 1912 | 917 | | |
| 407.8398 | 49:47 | 49:47 | 0 | 1.096 | 3390936 | 672833 | 527 | 1317 | 1277 | 1.06(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:18 | 37:18 | 0 | 1.001 | 1256044 | 261609 | 1 | 2 | 261609 | | |
| 395.7995 | 37:18 | 37:18 | 0 | 1.001 | 1184935 | 243215 | 2 | 5 | 121608 | 1.06(0.89-1.21) | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:38 | 37:38 | 0 | 1.010 | 1148612 | 233649 | 1 | 2 | 233649 | | |
| 395.7995 | 37:38 | 37:38 | 0 | 1.010 | 1102891 | 221820 | 2 | 5 | 110910 | 1.04(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:09 | 38:09 | 0 | 1.024 | 1143775 | 229352 | 1 | 2 | 229352 | | |
| 395.7995 | 38:09 | 38:09 | 0 | 1.024 | 1095190 | 221169 | 2 | 5 | 110585 | 1.04(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:31 | 38:31 | 0 | 1.033 | 1273162 | 258949 | 1 | 2 | 258949 | | |
| 395.7995 | 38:31 | 38:31 | 0 | 1.033 | 1196358 | 243473 | 2 | 5 | 121737 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:58 | 38:58 | 0 | 1.046 | 1195014 | 243895 | 1 | 2 | 243895 | | |
| 395.7995 | 38:58 | 38:58 | 0 | 1.046 | 1131554 | 231556 | 2 | 5 | 115778 | 1.06(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:21 | 40:21 | 0 | 1.083 | 879018 | 177613 | 1 | 2 | 177613 | | |
| 395.7995 | 40:21 | 40:21 | 0 | 1.083 | 821974 | 166162 | 2 | 5 | 83081 | 1.07(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:59 | 40:59 | 0 | 1.100 | 902443 | 182109 | 1 | 2 | 182109 | | |
| 395.7995 | 40:59 | 40:59 | 0 | 1.100 | 857692 | 173072 | 2 | 5 | 86536 | 1.05(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:16 | 41:16 | 0 | 1.107 | 953033 | 189840 | 1 | 2 | 189840 | | |
| 395.7995 | 41:16 | 41:16 | 0 | 1.107 | 910550 | 180895 | 2 | 5 | 90448 | 1.05(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:27 | 41:27 | 0 | 1.112 | 982630 | 194540 | 1 | 2 | 194540 | | |
| 395.7995 | 41:27 | 41:27 | 0 | 1.112 | 918770 | 181266 | 2 | 5 | 90633 | 1.07(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:52 | 41:52 | 0 | 1.123 | 1918795 | 203925 | 1 | 2 | 203925 | | M |
| 395.7995 | 41:52 | 41:52 | 0 | 1.123 | 1822813 | 192382 | 2 | 5 | 96191 | 1.05(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:52 | 41:52 | 0 | 1.123 | 1918795 | 203925 | 1 | 2 | 203925 | | M |
| 395.7995 | 41:52 | 41:52 | 0 | 1.123 | 1822813 | 192382 | 2 | 5 | 96191 | 1.05(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:06 | 42:06 | 0 | 1.130 | 828708 | 164025 | 1 | 2 | 164025 | | |
| 395.7995 | 42:06 | 42:06 | 0 | 1.130 | 782178 | 156206 | 2 | 5 | 78103 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:32 | 42:32 | 0 | 1.141 | 806007 | 160332 | 1 | 2 | 160332 | | |
| 395.7995 | 42:32 | 42:32 | 0 | 1.141 | 787965 | 155016 | 2 | 5 | 77508 | 1.02(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:56 | 42:56 | 0 | 1.152 | 958270 | 194866 | 1 | 2 | 194866 | | |
| 395.7995 | 42:56 | 42:56 | 0 | 1.152 | 910622 | 182487 | 2 | 5 | 91244 | 1.05(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:09 | 43:09 | 0 | 1.158 | 1660858 | 288257 | 1 | 2 | 288257 | | |
| 395.7995 | 43:09 | 43:09 | 0 | 1.158 | 1564840 | 270620 | 2 | 5 | 135310 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:09 | 43:09 | 0 | 1.158 | 1660858 | 288257 | 1 | 2 | 288257 | | |
| 395.7995 | 43:09 | 43:09 | 0 | 1.158 | 1564840 | 270620 | 2 | 5 | 135310 | 1.06(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:47 | 44:47 | 0 | 0.900 | 869673 | 175452 | 1 | 2 | 175452 | | |
| 395.7995 | 44:47 | 44:47 | 0 | 0.900 | 816428 | 165914 | 2 | 5 | 82957 | 1.07(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:04 | 45:04 | 0 | 0.905 | 1120378 | 215482 | 1 | 2 | 215482 | | |
| 395.7995 | 45:04 | 45:04 | 0 | 0.905 | 1066217 | 212112 | 2 | 5 | 106056 | 1.05(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:24 | 0 | 0.912 | 2121945 | 283161 | 1 | 2 | 283161 | | |
| 395.7995 | 45:24 | 45:24 | 0 | 0.912 | 2019555 | 275402 | 2 | 5 | 137701 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:24 | 45:24 | 0 | 0.912 | 2121945 | 283161 | 1 | 2 | 283161 | | |
| 395.7995 | 45:24 | 45:24 | 0 | 0.912 | 2019555 | 275402 | 2 | 5 | 137701 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:48 | 45:48 | 0 | 0.920 | 1196929 | 238188 | 1 | 2 | 238188 | | |
| 395.7995 | 45:48 | 45:48 | 0 | 0.920 | 1131550 | 218103 | 2 | 5 | 109052 | 1.06(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:42 | 46:42 | 0 | 0.938 | 875054 | 172788 | 1 | 2 | 172788 | | |
| 395.7995 | 46:42 | 46:42 | 0 | 0.938 | 823530 | 160945 | 2 | 5 | 80473 | 1.06(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:14 | 47:14 | 0 | 0.948 | 1184309 | 231397 | 1 | 2 | 231397 | | |
| 395.7995 | 47:14 | 47:14 | 0 | 0.948 | 1118434 | 214953 | 2 | 5 | 107477 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:49 | 49:49 | 0 | 1.001 | 2357420 | 455709 | 495 | 1237 | 921 | | |
| 395.7995 | 49:49 | 49:49 | 0 | 1.001 | 2221172 | 419591 | 383 | 957 | 1096 | 1.06(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:39 | 42:39 | 0 | 0.822 | 1575442 | 314032 | 2 | 5 | 157016 | | |
| 441.8008 | 42:39 | 42:39 | 0 | 0.822 | 1729112 | 348751 | 2 | 5 | 174376 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:54 | 51:54 | 0 | | 1834324 | 366273 | 85 | 212 | 4309 | | |
| 441.8008 | 51:54 | 51:54 | 0 | | 2061829 | 410217 | 111 | 277 | 3696 | 0.89(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:23 | 0 | 1.009 | 2233023 | 434494 | 85 | 212 | 5112 | | |
| 441.8008 | 52:23 | 52:23 | 0 | 1.009 | 2444702 | 473694 | 111 | 277 | 4268 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:40 | 42:40 | 0 | 1.001 | 766824 | 155200 | 11 | 27 | 14109 | | |
| 429.7606 | 42:40 | 42:40 | 0 | 1.001 | 852424 | 172850 | 14 | 35 | 12346 | 0.90(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:35 | 43:35 | 0 | 1.022 | 855722 | 168661 | 11 | 27 | 15333 | | |
| 429.7606 | 43:35 | 43:35 | 0 | 1.022 | 945497 | 186341 | 14 | 35 | 13310 | 0.91(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:16 | 44:16 | 0 | 1.038 | 818280 | 164100 | 11 | 27 | 14918 | | |
| 429.7606 | 44:16 | 44:16 | 0 | 1.038 | 903797 | 178114 | 14 | 35 | 12722 | 0.91(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:29 | 44:29 | 0 | 1.043 | 928262 | 174298 | 11 | 27 | 15845 | | |
| 429.7606 | 44:29 | 44:29 | 0 | 1.043 | 951036 | 194068 | 14 | 35 | 13862 | 0.98(0.76-1.02) | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:36 | 0 | 1.046 | 781654 | 162414 | 11 | 27 | 14765 | | |
| 429.7606 | 44:36 | 44:36 | 0 | 1.046 | 949973 | 180854 | 14 | 35 | 12918 | 0.82(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:23 | 0 | 1.111 | 1207671 | 159036 | 11 | 27 | 14458 | | |
| 429.7606 | 47:23 | 47:23 | 0 | 1.111 | 1343726 | 175324 | 14 | 35 | 12523 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:23 | 0 | 1.111 | 1207671 | 159036 | 11 | 27 | 14458 | | |
| 429.7606 | 47:23 | 47:23 | 0 | 1.111 | 1343726 | 175324 | 14 | 35 | 12523 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:04 | 48:04 | 0 | 0.918 | 633268 | 126687 | 11 | 27 | 11517 | | |
| 429.7606 | 48:04 | 48:04 | 0 | 0.918 | 705949 | 138375 | 14 | 35 | 9884 | 0.90(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:16 | 48:16 | 0 | 0.921 | 683433 | 137296 | 11 | 27 | 12481 | | |
| 429.7606 | 48:16 | 48:16 | 0 | 0.921 | 746555 | 148790 | 14 | 35 | 10628 | 0.92(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:35 | 49:35 | 0 | 0.947 | 997974 | 194110 | 385 | 962 | 504 | | |
| 429.7606 | 49:35 | 49:35 | 0 | 0.947 | 1079935 | 208636 | 430 | 1075 | 485 | 0.92(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:56 | 51:56 | 0 | 0.991 | 1057400 | 203862 | 385 | 962 | 530 | | |
| 429.7606 | 51:56 | 51:56 | 0 | 0.991 | 1164978 | 222792 | 430 | 1075 | 518 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:24 | 52:24 | 0 | 1.000 | 1342880 | 259316 | 385 | 962 | 674 | | |
| 429.7606 | 52:24 | 52:24 | 0 | 1.000 | 1492614 | 291806 | 430 | 1075 | 679 | 0.90(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:20 | 49:20 | 0 | 0.950 | 1904394 | 373094 | 342 | 855 | 1091 | | |
| 475.7619 | 49:20 | 49:20 | 0 | 0.950 | 2380263 | 461039 | 566 | 1415 | 815 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:08 | 54:08 | 0 | 1.043 | 1342932 | 258961 | 342 | 855 | 757 | | |
| 475.7619 | 54:09 | 54:08 | 1 | 1.043 | 1606103 | 311448 | 566 | 1415 | 550 | 0.84(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:22 | 49:22 | 0 | 1.001 | 1040198 | 202638 | 155 | 387 | 1307 | | |
| 463.7216 | 49:22 | 49:22 | 0 | 1.001 | 1322448 | 253989 | 886 | 2215 | 287 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:17 | 50:17 | 0 | 1.019 | 1074784 | 207373 | 155 | 387 | 1338 | | |
| 463.7216 | 50:17 | 50:17 | 0 | 1.019 | 1369070 | 265084 | 886 | 2215 | 299 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:09 | 54:09 | 0 | 1.000 | 721410 | 139326 | 155 | 387 | 899 | | |
| 463.7216 | 54:09 | 54:09 | 0 | 1.000 | 924836 | 178291 | 886 | 2215 | 201 | 0.78(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:46 | 55:46 | 0 | 1.075 | 1216675 | 223772 | 6 | 15 | 37295 | | |
| 509.7229 | 55:47 | 55:46 | 1 | 1.075 | 1677677 | 303294 | 2 | 5 | 151647 | 0.73(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:48 | 55:48 | 0 | 1.000 | 712941 | 126993 | 21 | 52 | 6047 | | |
| 497.6826 | 55:48 | 55:48 | 0 | 1.000 | 1000658 | 181488 | 11 | 27 | 16499 | 0.71(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

## Reagents:

61CV1668CS3_00007 Amount Added: 20.00 Units: uL

Eurofins TestAmerica, Knoxville
CCV Relative RT Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Lims ID: WDMCCV
Client ID:
Sample Type: WDMCCV
Inject. Date: 11-Oct-2019 12:49:00 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Xcalibur_System Instrument ID: D3D
Sublist: chrom-PCBs_D3D*sub1

Method: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 11-Oct-2019 14:08:55 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0301

First Level Reviewer: nordquistj Date: 11-Oct-2019 14:07:12

Start Cal Date: 21-Aug-2019 13:37:00
End Cal Date: 21-Aug-2019 19:05:00

| Compound | T/L | ICAL RT | CCV RT | RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-1L | | 11:46 | 11:47 | 1 | 15 | 0.7275 | 0.7293 | 0.717 - 0.7472 |
| PCB-3L | | 13:57 | 13:57 | 0 | 15 | 0.8625 | 0.8630 | 0.849 - 0.8798 |
| PCB-1 | L | 11:47 | 11:48 | 1 | | 1.0011 | 1.0011 | 0.995 - 1.0085 |
| PCB-2 | | 13:47 | 13:46 | 0 | | 0.9878 | 0.9878 | 0.985 - 0.9925 |
| PCB-3 | L | 13:58 | 13:57 | 0 | | 1.0009 | 1.0009 | 0.998 - 1.0048 |
| PCB-4L | | 14:12 | 14:11 | 0 | 15 | 0.8779 | 0.8784 | 0.865 - 0.8956 |
| PCB-9L | | 16:11 | 16:09 | -1 | | 1.0000 | 1.0000 | 0.987 - 1.0128 |
| PCB-8L | | 17:00 | 16:59 | 0 | | 1.1969 | 1.1974 | 1.192 - 1.1989 |
| PCB-15L | | 20:06 | 20:03 | -2 | 15 | 1.2426 | 1.2415 | 1.233 - 1.2530 |
| PCB-4 | L | 14:13 | 14:12 | 0 | | 1.0009 | 1.0009 | 0.994 - 1.0058 |
| PCB-10 | | 14:23 | 14:22 | 0 | | 1.0129 | 1.0129 | 1.010 - 1.0168 |
| PCB-9 | | 16:11 | 16:10 | -1 | | 1.1400 | 1.1393 | 1.135 - 1.1415 |
| PCB-7 | | 16:22 | 16:20 | -1 | | 1.1520 | 1.1513 | 1.147 - 1.1538 |
| PCB-6 | | 16:36 | 16:34 | -1 | | 1.1686 | 1.1679 | 1.164 - 1.1706 |
| PCB-5 | | 16:55 | 16:52 | -2 | | 1.1907 | 1.1891 | 1.186 - 1.1926 |
| PCB-8 | | 17:02 | 17:00 | -1 | | 1.1990 | 1.1984 | 1.194 - 1.2008 |
| PCB-14 | | 18:40 | 18:38 | -2 | | 0.9284 | 0.9289 | 0.926 - 0.9305 |
| PCB-11 | | 19:30 | 19:28 | -2 | | 0.9700 | 0.9706 | 0.968 - 0.9725 |
| PCB-12/13 | | 19:50 | 19:47 | -2 | | 0.9863 | 0.9863 | 0.983 - 0.9875 |
| PCB-15 | L | 20:07 | 20:05 | -2 | | 1.0007 | 1.0013 | 0.997 - 1.0050 |
| PCB-19L | | 17:19 | 17:18 | -1 | 15 | 0.8416 | 0.8420 | 0.831 - 0.8547 |
| PCB-32L | | 20:34 | 20:32 | -2 | | 1.0000 | 1.0000 | 0.998 - 1.0024 |
| PCB-31L | | 22:50 | 22:47 | -2 | | 1.0000 | 1.0000 | 0.998 - 1.0022 |
| PCB-28L | | 23:08 | 23:05 | -3 | | 1.0134 | 1.0128 | 1.006 - 1.0201 |
| PCB-37L | | 27:09 | 27:05 | -4 | 15 | 1.1889 | 1.1882 | 1.178 - 1.1995 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-19 | L | 17:20 | 17:18 | -1 | | 1.0008 | 1.0008 | 0.996 - 1.0058 |
| PCB-18/30 | | 19:11 | 19:09 | -2 | | 1.1081 | 1.1075 | 1.104 - 1.1093 |
| PCB-17 | | 19:37 | 19:35 | -2 | | 1.1330 | 1.1325 | 1.129 - 1.1352 |
| PCB-27 | | 19:50 | 19:47 | -2 | | 1.1458 | 1.1446 | 1.141 - 1.1471 |
| PCB-24 | | 19:58 | 19:55 | -2 | | 1.1534 | 1.1521 | 1.148 - 1.1542 |
| PCB-16 | | 20:04 | 20:02 | -2 | | 1.1594 | 1.1589 | 1.156 - 1.1621 |
| PCB-32 | | 20:36 | 20:33 | -2 | | 1.1897 | 1.1885 | 1.185 - 1.1908 |
| PCB-34 | | 21:52 | 21:49 | -2 | | 1.2627 | 1.2614 | 1.257 - 1.2623 |
| PCB-23 | | 22:01 | 21:58 | -2 | | 1.2715 | 1.2703 | 1.266 - 1.2715 |
| PCB-26/29 | | 22:20 | 22:17 | -2 | | 1.2899 | 1.2887 | 1.282 - 1.2915 |
| PCB-25 | | 22:34 | 22:30 | -3 | | 0.8308 | 0.8308 | 0.829 - 0.8325 |
| PCB-31 | | 22:52 | 22:49 | -2 | | 0.8421 | 0.8426 | 0.840 - 0.8438 |
| PCB-20/28 | | 23:11 | 23:07 | -3 | | 0.8538 | 0.8538 | 0.851 - 0.8568 |
| PCB-21/33 | | 23:24 | 23:20 | -3 | | 0.8617 | 0.8618 | 0.858 - 0.8637 |
| PCB-22 | | 23:48 | 23:44 | -3 | | 0.8763 | 0.8764 | 0.875 - 0.8786 |
| PCB-36 | | 25:22 | 25:18 | -3 | | 0.9339 | 0.9342 | 0.932 - 0.9352 |
| PCB-39 | | 25:43 | 25:39 | -3 | | 0.9470 | 0.9474 | 0.945 - 0.9483 |
| PCB-38 | | 26:18 | 26:14 | -3 | | 0.9686 | 0.9690 | 0.966 - 0.9695 |
| PCB-35 | | 26:46 | 26:42 | -3 | | 0.9855 | 0.9859 | 0.984 - 0.9875 |
| PCB-37 | L | 27:10 | 27:06 | -3 | | 1.0005 | 1.0009 | 0.999 - 1.0024 |
| PCB-54L | | 20:24 | 20:21 | -2 | 15 | 0.8167 | 0.8168 | 0.811 - 0.8247 |
| PCB-52L | | 24:59 | 24:55 | -3 | | 1.0000 | 1.0000 | 0.992 - 1.0083 |
| PCB-79L | | 32:54 | 32:51 | -3 | | 0.9704 | 0.9707 | 0.969 - 0.9718 |
| PCB-81L | | 33:55 | 33:50 | -5 | 15 | 1.3581 | 1.3581 | 1.351 - 1.3641 |
| PCB-77L | | 34:29 | 34:24 | -5 | 15 | 1.3806 | 1.3806 | 1.373 - 1.3867 |
| PCB-54 | L | 20:26 | 20:23 | -2 | | 1.0000 | 1.0000 | 0.996 - 1.0041 |
| PCB-50/53 | | 22:37 | 22:34 | -2 | | 1.1084 | 1.1085 | 1.102 - 1.1106 |
| PCB-45/51 | | 23:20 | 23:17 | -2 | | 1.1440 | 1.1442 | 1.137 - 1.1453 |
| PCB-46 | | 23:34 | 23:31 | -2 | | 1.1552 | 1.1554 | 1.153 - 1.1576 |
| PCB-52 | | 25:00 | 24:56 | -3 | | 1.2257 | 1.2255 | 1.222 - 1.2263 |
| PCB-43/73 | | 25:09 | 25:05 | -3 | | 1.2326 | 1.2324 | 1.230 - 1.2346 |
| PCB-49/69 | | 25:28 | 25:24 | -3 | | 1.2482 | 1.2480 | 1.242 - 1.2499 |
| PCB-48 | | 25:47 | 25:43 | -3 | | 1.2638 | 1.2636 | 1.259 - 1.2636 |
| PCB-44/47/65 | | 26:01 | 25:58 | -3 | | 1.2756 | 1.2755 | 1.269 - 1.2770 |
| PCB-59/62/75 | | 26:19 | 26:15 | -3 | | 1.2900 | 1.2899 | 1.284 - 1.2919 |
| PCB-42 | | 26:32 | 26:28 | -3 | | 1.3006 | 1.3005 | 1.296 - 1.3007 |
| PCB-40/41/71 | | 27:02 | 26:57 | -4 | | 1.3249 | 1.3243 | 1.317 - 1.3250 |
| PCB-64 | | 27:15 | 27:10 | -4 | | 1.3355 | 1.3349 | 1.331 - 1.3355 |
| PCB-72 | | 28:05 | 28:00 | -4 | | 0.8278 | 0.8277 | 0.826 - 0.8291 |
| PCB-68 | | 28:22 | 28:18 | -4 | | 0.8365 | 0.8364 | 0.835 - 0.8375 |
| PCB-57 | | 28:48 | 28:43 | -4 | | 0.8488 | 0.8488 | 0.847 - 0.8500 |
| PCB-58 | | 29:01 | 28:57 | -4 | | 0.8556 | 0.8556 | 0.854 - 0.8574 |
| PCB-67 | | 29:12 | 29:07 | -5 | | 0.8609 | 0.8604 | 0.859 - 0.8620 |
| PCB-63 | | 29:28 | 29:23 | -5 | | 0.8687 | 0.8683 | 0.866 - 0.8694 |
| PCB-61/70/74/76 | | 29:48 | 29:44 | -4 | | 0.8785 | 0.8785 | 0.875 - 0.8810 |
| PCB-66 | | 30:07 | 30:03 | -4 | | 0.8879 | 0.8879 | 0.886 - 0.8894 |

| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-55 | | 30:17 | 30:13 | -4 | | 0.8927 | 0.8928 | 0.891 - 0.8943 |
| PCB-56 | | 30:47 | 30:43 | -4 | | 0.9077 | 0.9079 | 0.907 - 0.9098 |
| PCB-60 | | 31:00 | 30:55 | -5 | | 0.9141 | 0.9139 | 0.913 - 0.9158 |
| PCB-80 | | 31:26 | 31:21 | -5 | | 0.9265 | 0.9263 | 0.924 - 0.9268 |
| PCB-79 | | 32:57 | 32:51 | -5 | | 0.9715 | 0.9710 | 0.970 - 0.9726 |
| PCB-78 | | 33:30 | 33:25 | -5 | | 0.9876 | 0.9876 | 0.986 - 0.9890 |
| PCB-81 | T | 33:57 | 33:52 | -5 | | 1.0007 | 1.0008 | 0.999 - 1.0020 |
| PCB-77 | T/L | 34:30 | 34:25 | -5 | | 1.0007 | 1.0007 | 0.999 - 1.0019 |
| PCB-104L | | 25:56 | 25:52 | -3 | 15 | 0.8139 | 0.8144 | 0.810 - 0.8199 |
| PCB-95L | | 28:53 | 28:49 | -3 | | 1.1143 | 1.1142 | 1.112 - 1.1179 |
| PCB-101L | | 31:52 | 31:46 | -5 | | 1.0000 | 1.0000 | 0.994 - 1.0065 |
| PCB-111L | | 34:32 | 34:27 | -5 | | 1.0847 | 1.0845 | 1.079 - 1.0891 |
| PCB-123L | | 36:30 | 36:24 | -6 | 15 | 1.1459 | 1.1462 | 1.141 - 1.1511 |
| PCB-118L | | 36:50 | 36:44 | -6 | 15 | 1.1562 | 1.1565 | 1.151 - 1.1614 |
| PCB-114L | | 37:21 | 37:16 | -5 | 15 | 1.1726 | 1.1734 | 1.168 - 1.1780 |
| PCB-105L | | 38:00 | 37:55 | -5 | 15 | 1.1927 | 1.1936 | 1.188 - 1.1989 |
| PCB-127L | | 39:29 | 39:23 | -6 | | 1.0000 | 1.0000 | 0.995 - 1.0053 |
| PCB-126L | | 41:06 | 41:00 | -5 | 15 | 1.2900 | 1.2908 | 1.285 - 1.2956 |
| PCB-104 | L | 25:57 | 25:54 | -3 | | 1.0010 | 1.0010 | 0.998 - 1.0039 |
| PCB-96 | | 26:19 | 26:15 | -3 | | 1.0147 | 1.0148 | 1.013 - 1.0195 |
| PCB-103 | | 28:16 | 28:12 | -4 | | 1.0903 | 1.0901 | 1.087 - 1.0912 |
| PCB-94 | | 28:29 | 28:25 | -4 | | 1.0986 | 1.0984 | 1.097 - 1.1003 |
| PCB-95 | | 28:55 | 28:51 | -4 | | 1.1153 | 1.1151 | 1.113 - 1.1193 |
| PCB-93/100 | | 29:09 | 29:05 | -4 | | 1.1242 | 1.1240 | 1.120 - 1.1267 |
| PCB-98/102 | | 29:18 | 29:13 | -5 | | 1.1300 | 1.1294 | 1.127 - 1.1336 |
| PCB-88/91 | | 29:48 | 29:43 | -5 | | 1.1492 | 1.1486 | 1.143 - 1.1505 |
| PCB-84 | | 30:00 | 29:57 | -3 | | 1.1570 | 1.1575 | 1.157 - 1.1603 |
| PCB-89 | | 30:29 | 30:25 | -4 | | 1.1757 | 1.1757 | 1.175 - 1.1786 |
| PCB-121 | | 30:55 | 30:50 | -5 | | 1.1924 | 1.1919 | 1.188 - 1.1922 |
| PCB-92 | | 31:17 | 31:12 | -5 | | 0.8570 | 0.8570 | 0.856 - 0.8589 |
| PCB-90/101/113 | | 31:52 | 31:47 | -5 | | 1.2292 | 1.2283 | 1.224 - 1.2307 |
| PCB-83/99 | | 32:27 | 32:22 | -5 | | 1.2517 | 1.2515 | 1.245 - 1.2525 |
| PCB-112 | | 32:34 | 32:29 | -5 | | 1.2561 | 1.2559 | 1.254 - 1.2574 |
| PCB-86/87/97/109/119/125 | | 32:57 | 32:51 | -5 | | 1.2709 | 1.2701 | 1.265 - 1.2756 |
| PCB-85/116/117 | | 33:41 | 33:36 | -5 | | 1.2988 | 1.2987 | 1.293 - 1.3007 |
| PCB-110/115 | | 33:56 | 33:50 | -5 | | 1.3086 | 1.3080 | 1.303 - 1.3092 |
| PCB-82 | | 34:10 | 34:05 | -5 | | 1.3175 | 1.3174 | 1.316 - 1.3194 |
| PCB-111 | | 34:34 | 34:28 | -5 | | 1.3332 | 1.3326 | 1.329 - 1.3330 |
| PCB-120 | | 35:02 | 34:57 | -5 | | 1.3508 | 1.3508 | 1.348 - 1.3514 |
| PCB-108/124 | | 36:10 | 36:04 | -6 | | 1.3948 | 1.3943 | 1.390 - 1.3967 |
| PCB-107 | | 36:25 | 36:19 | -6 | | 1.4044 | 1.4039 | 1.401 - 1.4049 |
| PCB-123 | T | 36:32 | 36:26 | -6 | | 1.0007 | 1.0007 | 1.000 - 1.0023 |
| PCB-106 | | 36:38 | 36:33 | -5 | | 1.0036 | 1.0040 | 1.003 - 1.0057 |
| PCB-118 | T | 36:51 | 36:46 | -5 | | 1.0004 | 1.0007 | 0.999 - 1.0019 |
| PCB-122 | | 37:12 | 37:06 | -6 | | 1.0099 | 1.0100 | 1.009 - 1.0117 |
| PCB-114 | T | 37:23 | 37:17 | -6 | | 1.0007 | 1.0003 | 0.999 - 1.0018 |

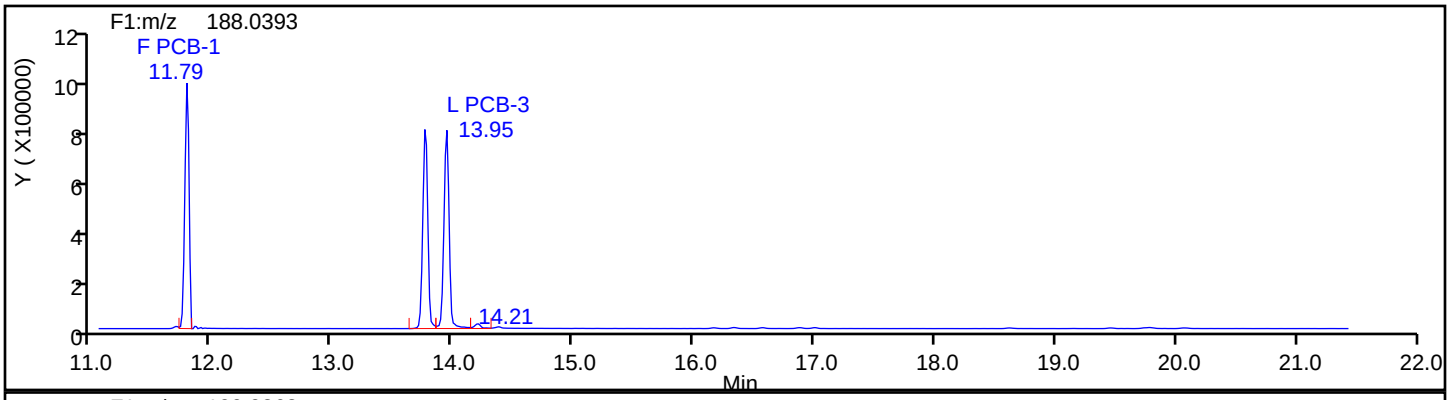
| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-105 | T | 38:01 | 37:56 | -5 | | 1.0007 | 1.0007 | 0.999 - 1.0018 |
| PCB-127 | | 39:31 | 39:25 | -6 | | 1.0399 | 1.0397 | 1.037 - 1.0399 |
| PCB-126 | T/L | 41:07 | 41:01 | -5 | | 1.0003 | 1.0006 | 1.000 - 1.0016 |
| PCB-155L | | 31:39 | 31:33 | -5 | 15 | 0.7919 | 0.7914 | 0.787 - 0.7951 |
| PCB-153L | | 38:42 | 38:37 | -5 | | 0.9008 | 0.9008 | 0.899 - 0.9028 |
| PCB-138L | | 39:58 | 39:52 | -5 | | 1.0000 | 1.0000 | 0.979 - 1.0208 |
| PCB-167L | | 42:59 | 42:52 | -6 | 15 | 1.0756 | 1.0755 | 1.071 - 1.0792 |
| PCB-156L/157L | | 44:08 | 44:01 | -6 | 15 | 1.1043 | 1.1044 | 1.100 - 1.1084 |
| PCB-169L | | 47:21 | 47:15 | -6 | 15 | 1.1851 | 1.1855 | 1.184 - 1.1864 |
| PCB-155 | L | 31:39 | 31:34 | -5 | | 1.0004 | 1.0008 | 0.998 - 1.0031 |
| PCB-152 | | 31:51 | 31:46 | -5 | | 1.0064 | 1.0069 | 1.006 - 1.0096 |
| PCB-150 | | 32:01 | 31:56 | -5 | | 1.0117 | 1.0121 | 1.011 - 1.0144 |
| PCB-136 | | 32:22 | 32:17 | -5 | | 1.0229 | *1.0234 | 1.024 - 1.0268 |
| PCB-145 | | 32:40 | 32:35 | -5 | | 1.0326 | 1.0331 | 1.033 - 1.0358 |
| PCB-148 | | 34:12 | 34:06 | -5 | | 1.0808 | 1.0811 | 1.080 - 1.0830 |
| PCB-135/151 | | 34:46 | 34:41 | -5 | | 1.0989 | 1.0996 | 1.099 - 1.1038 |
| PCB-154 | | 35:03 | 34:57 | -5 | | 1.1078 | 1.1081 | 1.106 - 1.1107 |
| PCB-144 | | 35:21 | 35:16 | -5 | | 1.1170 | 1.1178 | 1.117 - 1.1199 |
| PCB-147/149 | | 35:43 | 35:37 | -5 | | 1.1286 | 1.1292 | 1.127 - 1.1326 |
| PCB-134/143 | | 36:01 | 35:55 | -5 | | 1.1381 | 1.1388 | 1.136 - 1.1409 |
| PCB-139/140 | | 36:19 | 36:13 | -5 | | 1.1476 | 1.1483 | 1.146 - 1.1515 |
| PCB-131 | | 36:30 | 36:25 | -5 | | 1.1538 | 1.1545 | 1.154 - 1.1571 |
| PCB-142 | | 36:40 | 36:34 | -6 | | 1.1587 | 1.1591 | 1.159 - 1.1621 |
| PCB-132 | | 36:58 | 36:53 | -5 | | 1.1682 | 1.1690 | 1.168 - 1.1728 |
| PCB-133 | | 37:29 | 37:23 | -5 | | 1.1843 | 1.1852 | 1.184 - 1.1872 |
| PCB-165 | | 37:53 | 37:47 | -6 | | 0.8814 | 0.8813 | 0.880 - 0.8825 |
| PCB-146 | | 38:08 | 38:02 | -6 | | 0.8872 | 0.8871 | 0.886 - 0.8882 |
| PCB-161 | | 38:16 | 38:09 | -6 | | 0.8902 | 0.8901 | 0.889 - 0.8914 |
| PCB-153/168 | | 38:47 | 38:41 | -6 | | 0.9024 | 0.9023 | 0.900 - 0.9040 |
| PCB-141 | | 38:56 | 38:50 | -6 | | 0.9060 | 0.9060 | 0.905 - 0.9075 |
| PCB-130 | | 39:21 | 39:15 | -6 | | 0.9154 | 0.9154 | 0.915 - 0.9172 |
| PCB-137 | | 39:34 | 39:28 | -6 | | 0.9206 | 0.9206 | 0.920 - 0.9224 |
| PCB-164 | | 39:41 | 39:35 | -6 | | 0.9233 | 0.9234 | 0.923 - 0.9252 |
| PCB-129/138/160/163 | | 40:00 | 39:54 | -5 | | 0.9307 | 0.9307 | 0.930 - 0.9349 |
| PCB-158 | | 40:23 | 40:17 | -5 | | 0.9395 | 0.9396 | 0.939 - 0.9409 |
| PCB-128/166 | | 41:14 | 41:08 | -5 | | 0.9592 | 0.9594 | 0.958 - 0.9617 |
| PCB-159 | | 42:14 | 42:08 | -5 | | 0.9827 | 0.9829 | 0.982 - 0.9839 |
| PCB-162 | | 42:31 | 42:25 | -5 | | 0.9894 | 0.9896 | 0.988 - 0.9907 |
| PCB-167 | T | 43:00 | 42:54 | -6 | | 1.0006 | 1.0006 | 0.999 - 1.0016 |
| PCB-156/157 | T | 44:08 | 44:03 | -5 | | 1.0003 | 1.0006 | 0.999 - 1.0025 |
| PCB-169 | T/L | 47:23 | 47:17 | -6 | | 1.0006 | 1.0006 | 0.999 - 1.0015 |
| PCB-188L | | 37:22 | 37:16 | -6 | 15 | 0.8208 | 0.8205 | 0.817 - 0.8243 |
| PCB-178L | | 40:24 | 40:19 | -5 | | 0.8877 | 0.8876 | 0.884 - 0.8916 |
| PCB-180L | | 45:32 | 45:25 | -6 | | 1.0000 | 1.0000 | 0.996 - 1.0037 |
| PCB-170L | | 46:47 | 46:41 | -6 | 15 | 1.0276 | 1.0277 | 1.024 - 1.0317 |
| PCB-189L | | 49:54 | 49:47 | -6 | 15 | 1.0962 | 1.0963 | 1.093 - 1.1000 |

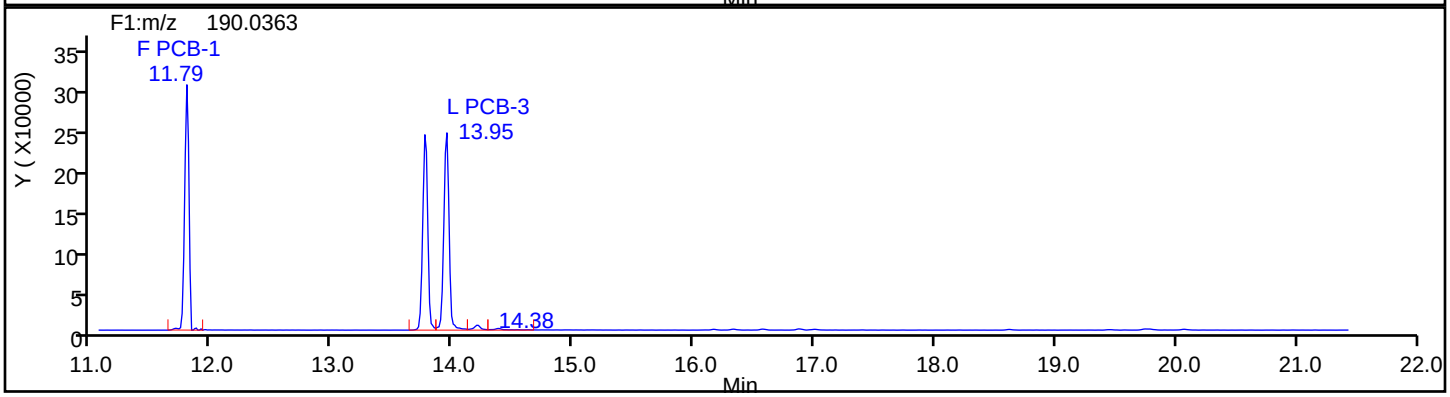
| Compound | T/L | ICAL RT | CCV RT | Δ RT (secs) | RT Lmt | ICAL RRT | CCV RRT | RRT Limits |
|---|---|---|---|---|---|---|---|---|
| PCB-188 | L | 37:24 | 37:18 | -6 | | 1.0007 | 1.0007 | 1.000 - 1.0022 |
| PCB-179 | | 37:43 | 37:38 | -5 | | 1.0094 | 1.0098 | 1.009 - 1.0115 |
| PCB-184 | | 38:16 | 38:09 | -6 | | 1.0238 | 1.0239 | 1.023 - 1.0254 |
| PCB-176 | | 38:37 | 38:31 | -6 | | 1.0332 | 1.0334 | 1.033 - 1.0351 |
| PCB-186 | | 39:04 | 38:58 | -6 | | 1.0455 | 1.0456 | 1.045 - 1.0476 |
| PCB-178 | | 40:27 | 40:21 | -5 | | 1.0822 | 1.0825 | 1.081 - 1.0837 |
| PCB-175 | | 41:05 | 40:59 | -5 | | 1.0994 | 1.0997 | 1.098 - 1.1008 |
| PCB-187 | | 41:21 | 41:16 | -5 | | 1.1067 | 1.1071 | 1.106 - 1.1082 |
| PCB-182 | | 41:34 | 41:27 | -6 | | 1.1123 | 1.1124 | 1.111 - 1.1137 |
| PCB-183/185 | | 41:58 | 41:52 | -6 | | 1.1231 | *1.1232 | 1.123 - 1.1260 |
| PCB-174 | | 42:12 | 42:06 | -6 | | 1.1294 | 1.1296 | 1.129 - 1.1313 |
| PCB-177 | | 42:38 | 42:32 | -5 | | 1.1410 | 1.1415 | 1.140 - 1.1430 |
| PCB-181 | | 43:02 | 42:56 | -5 | | 1.1515 | 1.1520 | 1.151 - 1.1535 |
| PCB-171/173 | | 43:15 | 43:09 | -5 | | 1.1574 | 1.1580 | 1.156 - 1.1602 |
| PCB-172 | | 44:54 | 44:47 | -6 | | 0.8997 | 0.8996 | 0.899 - 0.9008 |
| PCB-192 | | 45:10 | 45:04 | -6 | | 0.9052 | 0.9051 | 0.904 - 0.9060 |
| PCB-180/193 | | 45:30 | 45:24 | -6 | | 0.9117 | 0.9117 | 0.911 - 0.9130 |
| PCB-191 | | 45:54 | 45:48 | -6 | | 0.9198 | 0.9198 | 0.919 - 0.9209 |
| PCB-170 | | 46:48 | 46:42 | -6 | | 0.9379 | 0.9379 | 0.937 - 0.9392 |
| PCB-190 | | 47:20 | 47:14 | -6 | | 0.9484 | 0.9484 | 0.948 - 0.9496 |
| PCB-189 | T/L | 49:55 | 49:49 | -6 | | 1.0003 | 1.0005 | 0.999 - 1.0013 |
| PCB-202L | | 42:45 | 42:39 | -5 | 15 | 0.8215 | 0.8216 | 0.819 - 0.8249 |
| PCB-194L | | 52:02 | 51:54 | -7 | | 1.0000 | 1.0000 | 0.996 - 1.0040 |
| PCB-205L | | 52:29 | 52:23 | -6 | 15 | 1.0088 | 1.0091 | 1.004 - 1.0138 |
| PCB-202 | L | 42:46 | 42:40 | -5 | | 1.0006 | 1.0006 | 0.999 - 1.0027 |
| PCB-201 | | 43:42 | 43:35 | -6 | | 1.0223 | 1.0221 | 1.020 - 1.0237 |
| PCB-204 | | 44:23 | 44:16 | -6 | | 1.0382 | 1.0381 | 1.036 - 1.0388 |
| PCB-197 | | 44:36 | 44:29 | -6 | | 1.0434 | 1.0433 | 1.042 - 1.0445 |
| PCB-200 | | 44:42 | 44:36 | -6 | | 1.0459 | 1.0457 | 1.045 - 1.0473 |
| PCB-198/199 | | 47:30 | 47:23 | -7 | | 1.1113 | 1.1111 | 1.109 - 1.1132 |
| PCB-196 | | 48:11 | 48:04 | -6 | | 0.9179 | 0.9176 | 0.917 - 0.9189 |
| PCB-203 | | 48:22 | 48:16 | -6 | | 0.9217 | 0.9214 | 0.921 - 0.9226 |
| PCB-195 | | 49:41 | 49:35 | -6 | | 0.9467 | 0.9465 | 0.946 - 0.9481 |
| PCB-194 | | 52:02 | 51:56 | -6 | | 0.9915 | 0.9915 | 0.991 - 0.9926 |
| PCB-205 | L | 52:31 | 52:24 | -6 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-208L | | 49:26 | 49:20 | -6 | 15 | 0.9501 | 0.9504 | 0.947 - 0.9534 |
| PCB-206L | | 54:15 | 54:08 | -7 | 15 | 1.0428 | 1.0429 | 1.038 - 1.0472 |
| PCB-208 | L | 49:28 | 49:22 | -6 | | 1.0005 | 1.0005 | 0.999 - 1.0013 |
| PCB-207 | | 50:24 | 50:17 | -6 | | 1.0196 | 1.0194 | 1.019 - 1.0205 |
| PCB-206 | L | 54:17 | 54:09 | -7 | | 1.0005 | 1.0005 | 1.000 - 1.0015 |
| PCB-209L | | 55:54 | 55:46 | -8 | 15 | 1.0746 | 1.0745 | 1.069 - 1.0784 |
| DCB Decachlorobiphenyl | L | 55:56 | 55:48 | -8 | | 1.0005 | 1.0005 | 0.999 - 1.0012 |

Eurofins TestAmerica, Knoxville

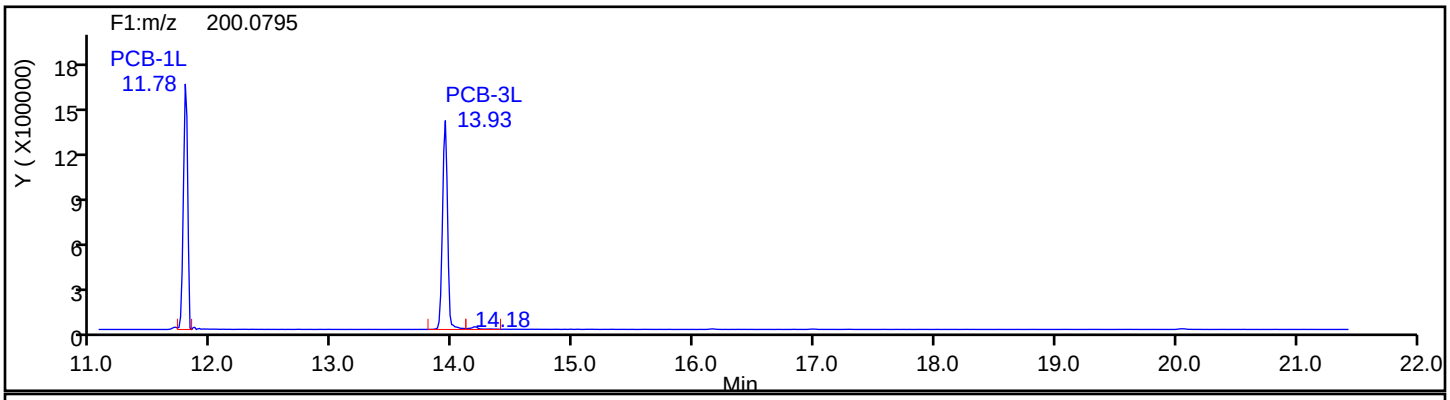
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

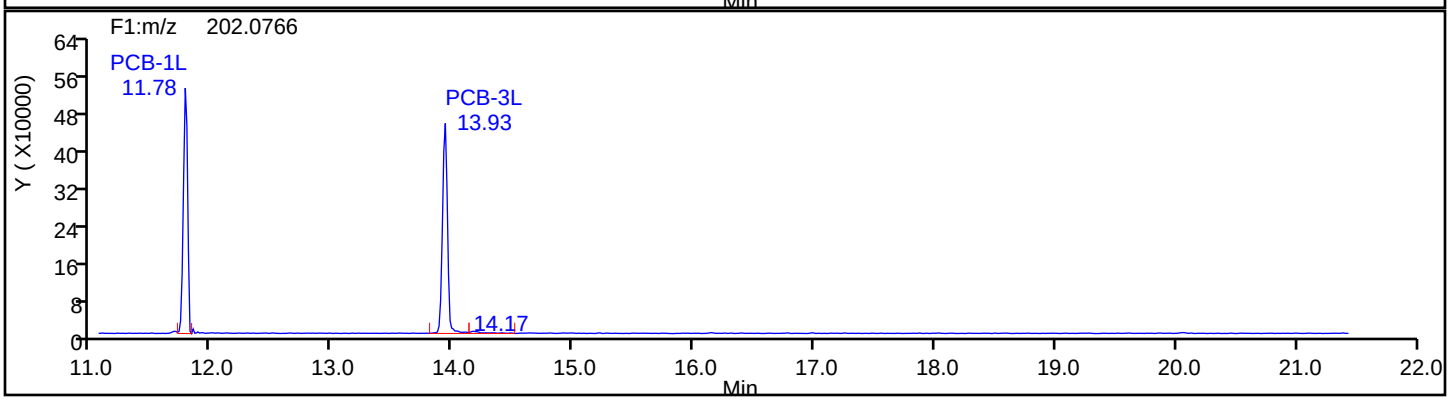
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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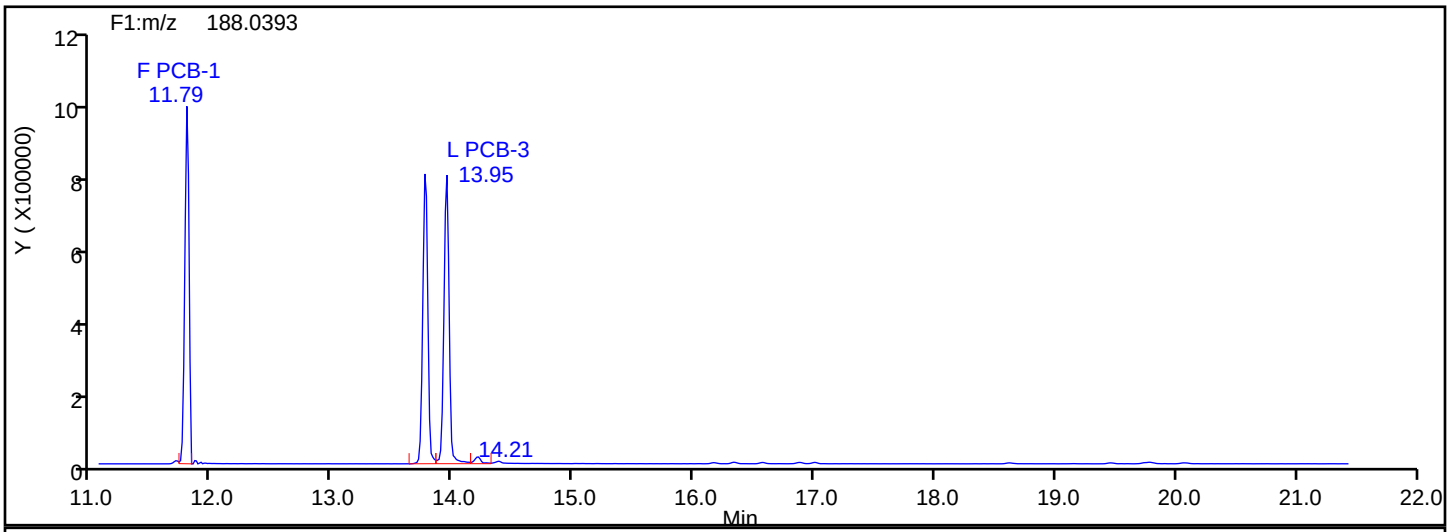
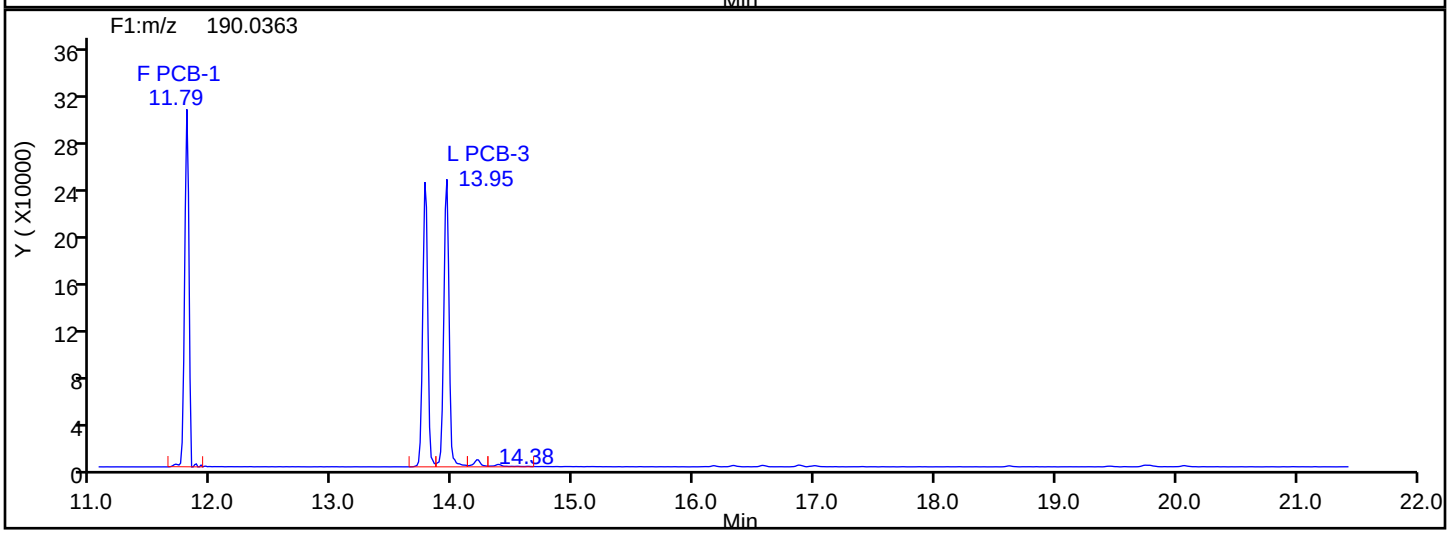
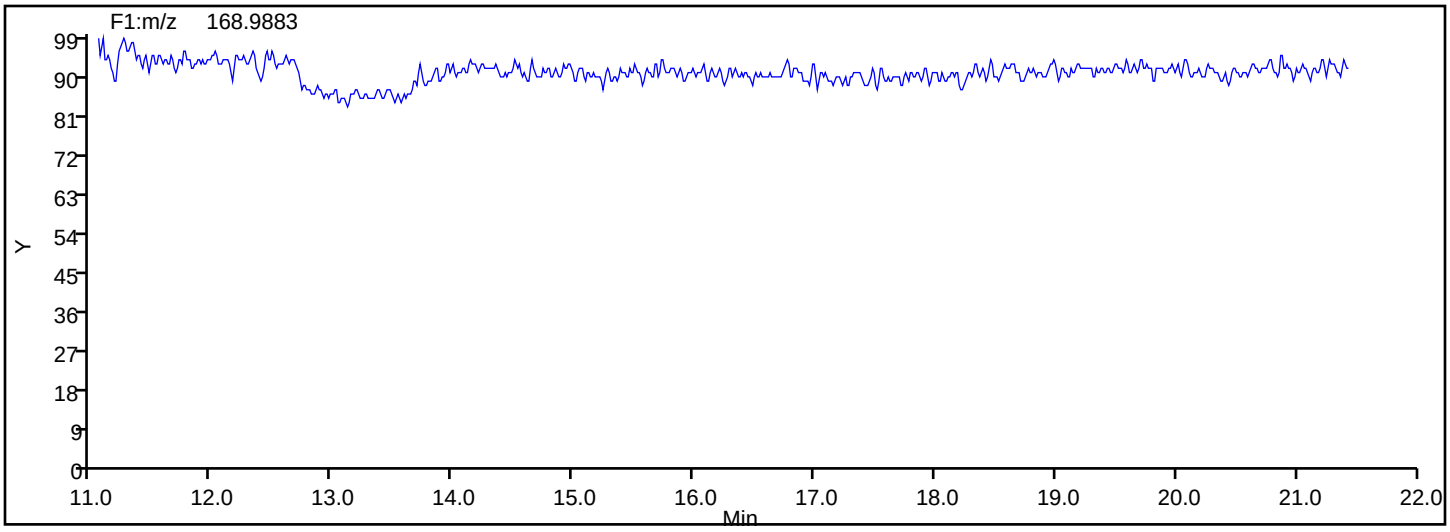
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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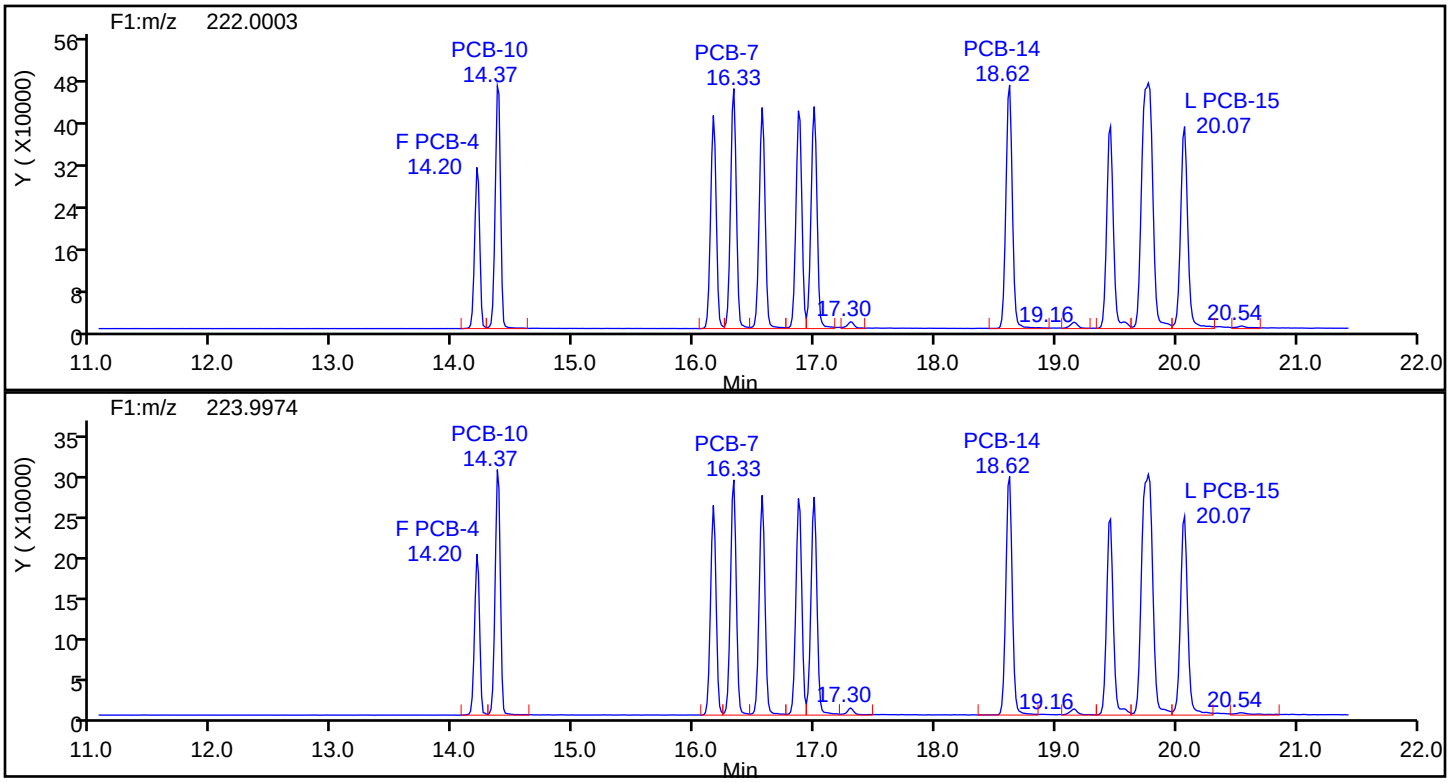
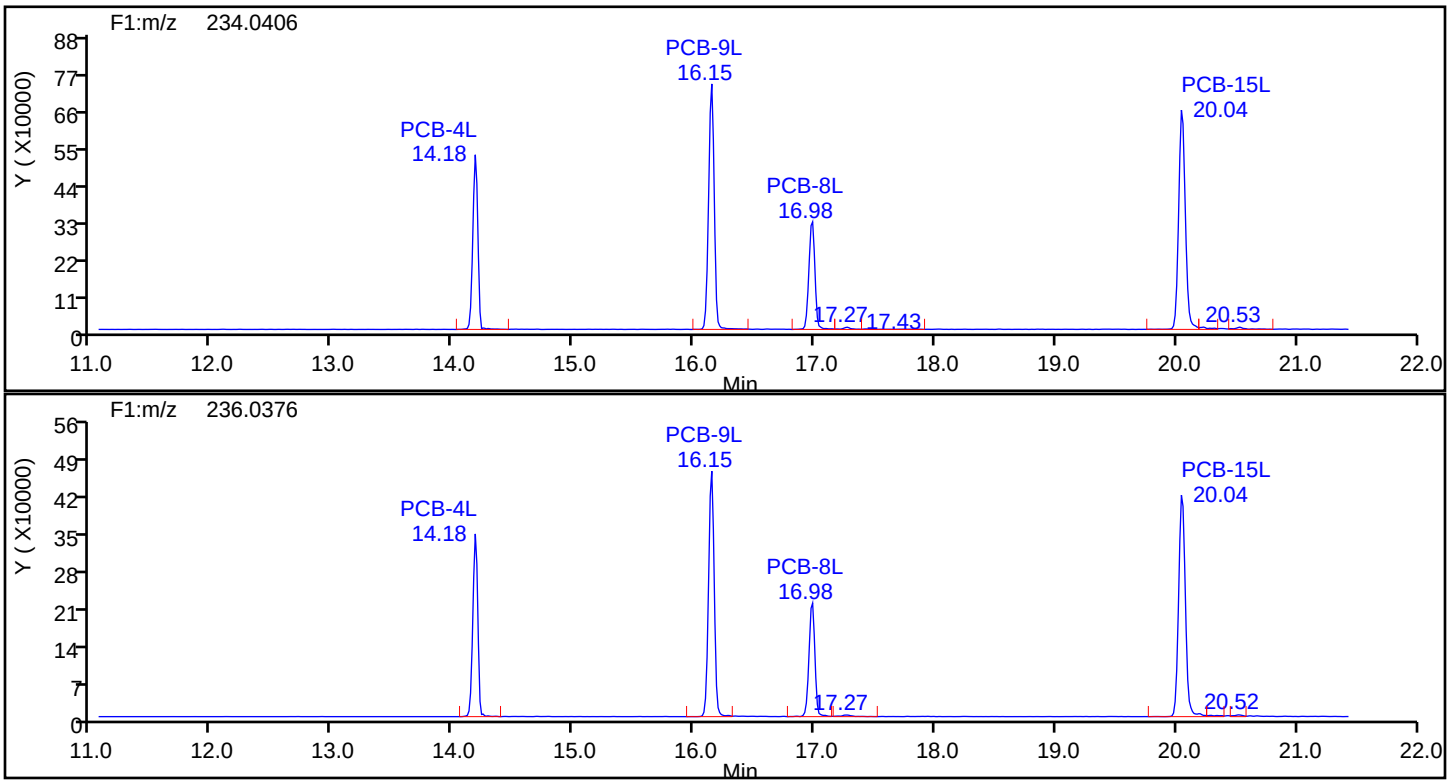
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards

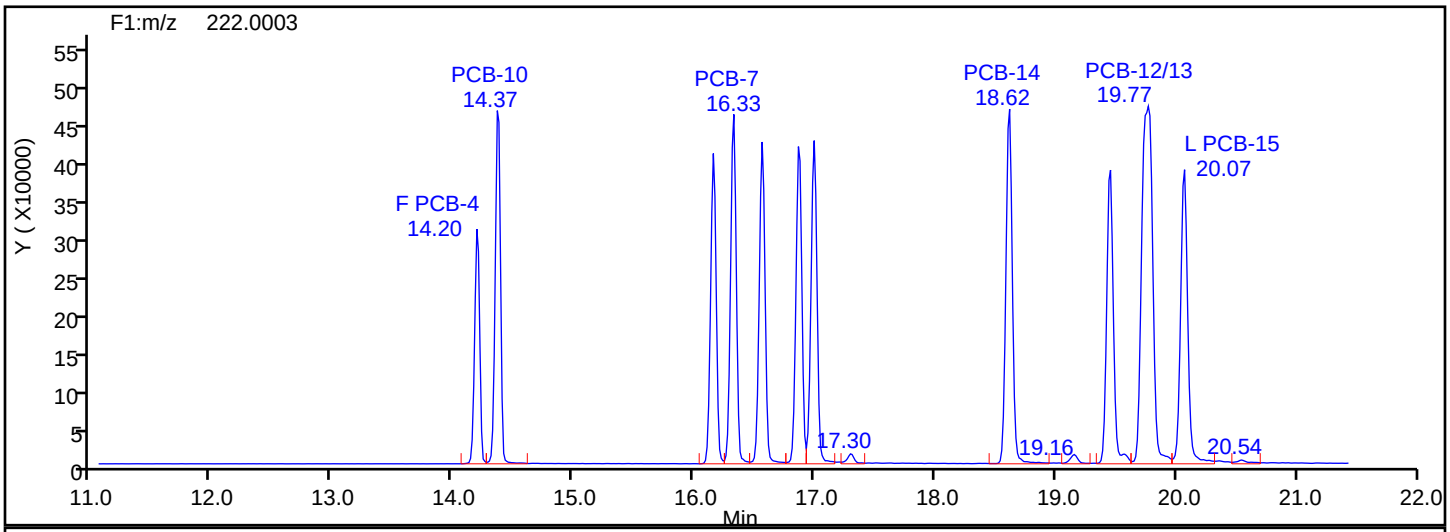


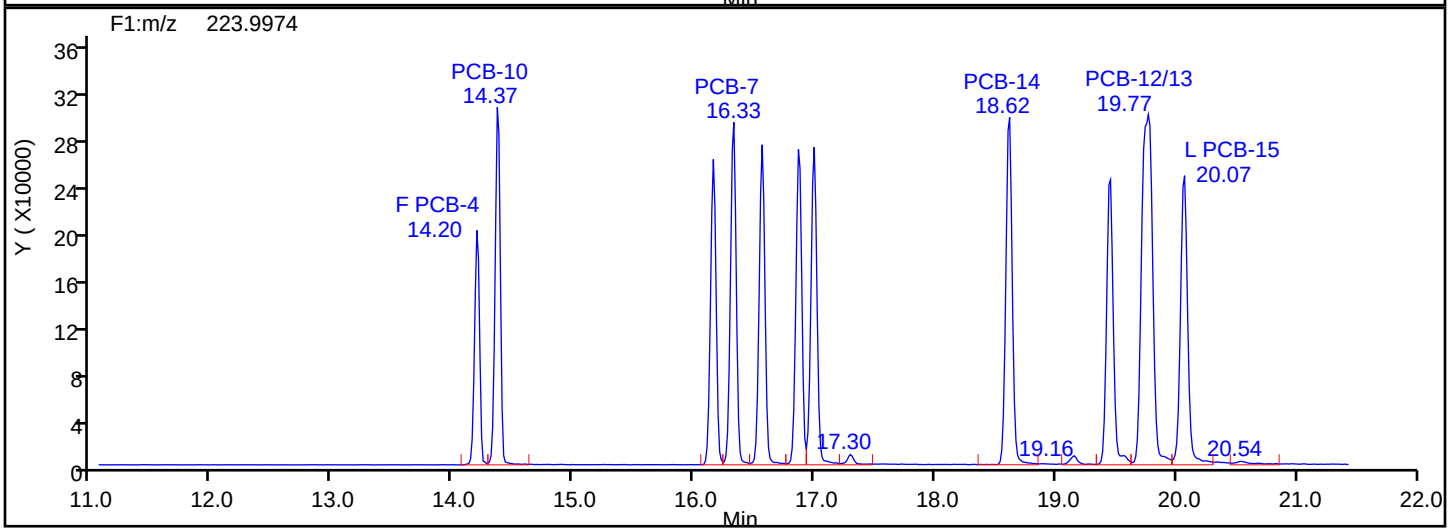
Report Date: 11-Oct-2019 14:08:56 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

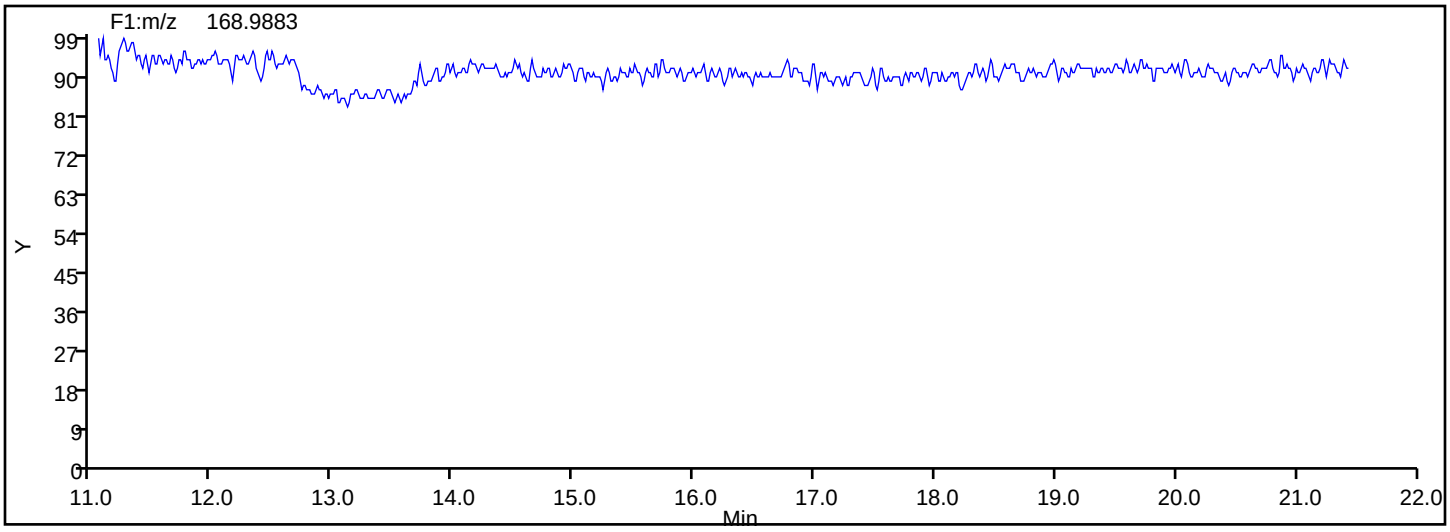
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



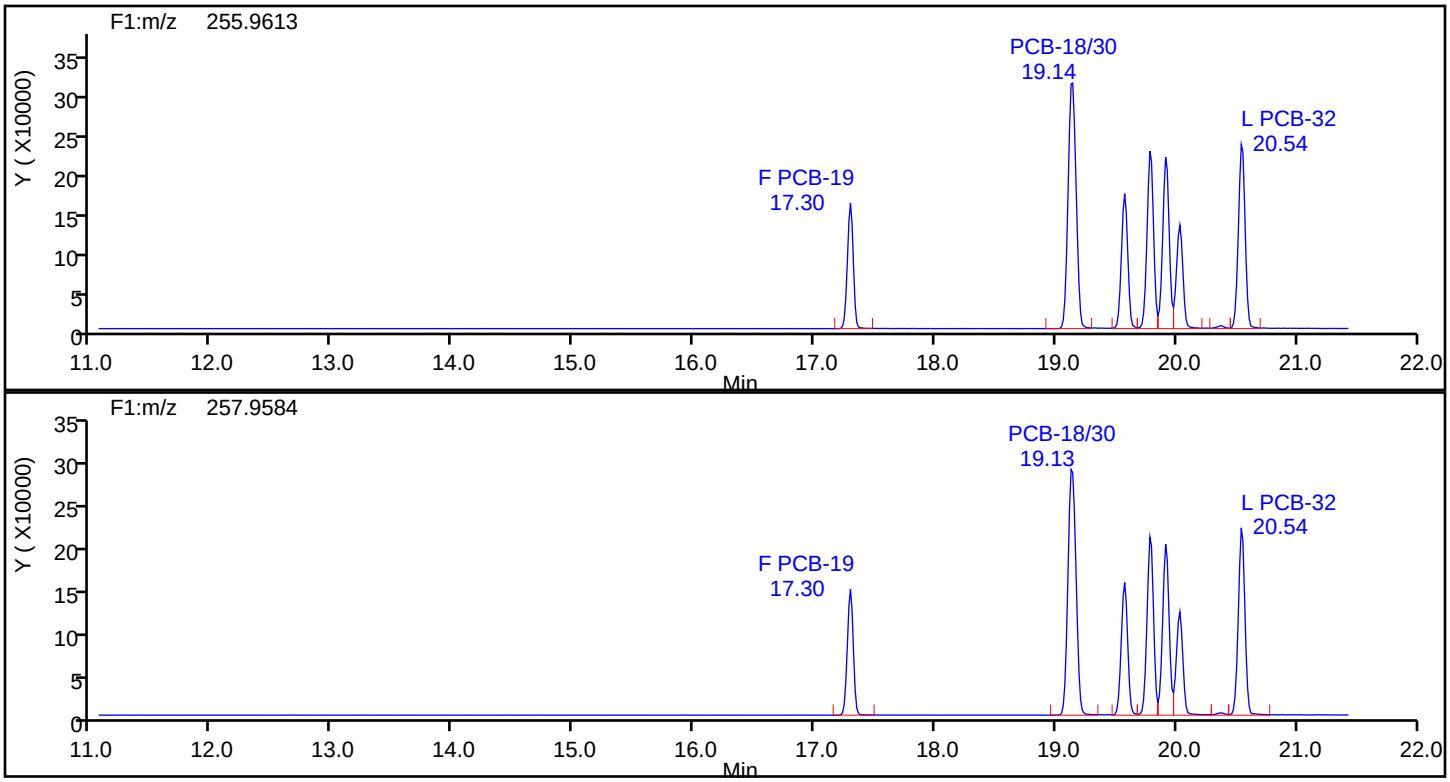

DiPCB F1 Lock Mass



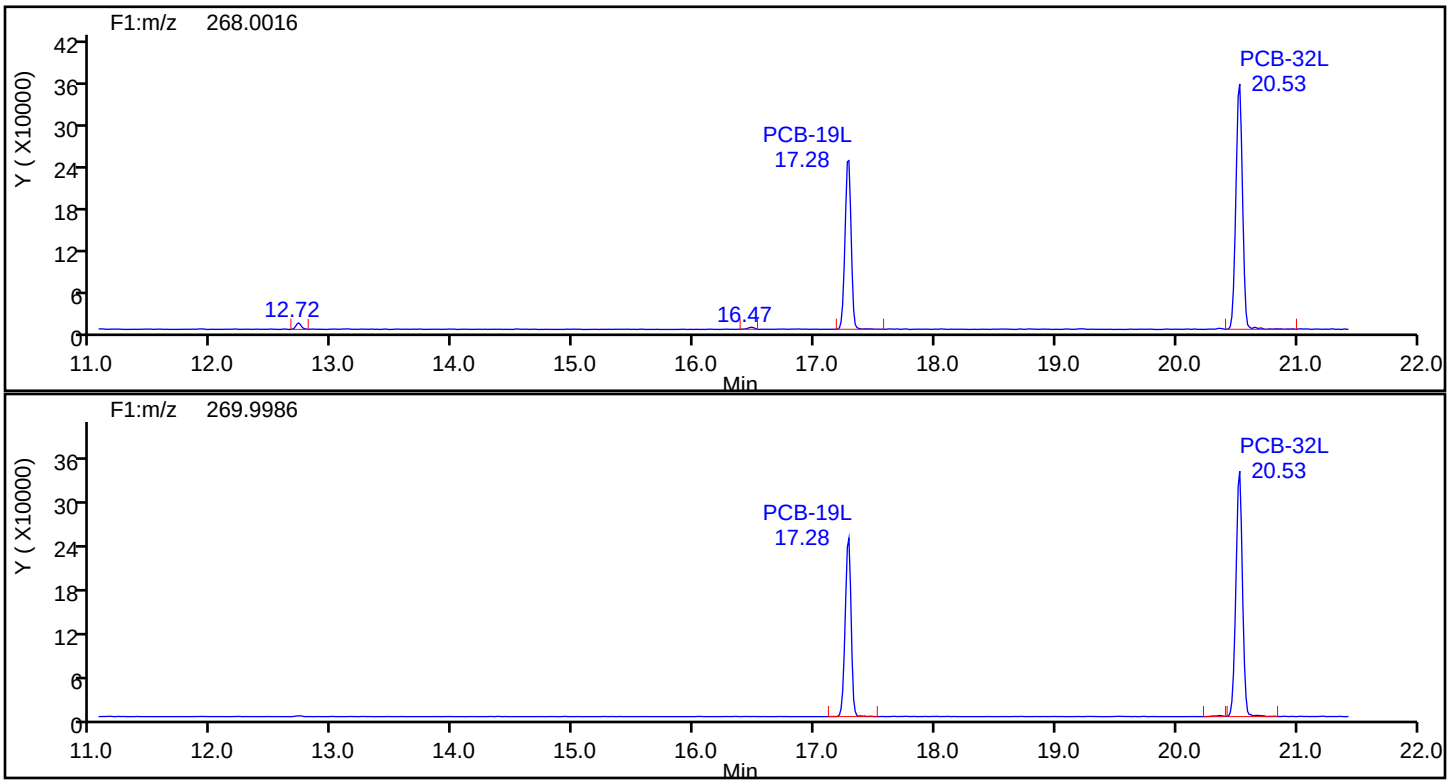
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



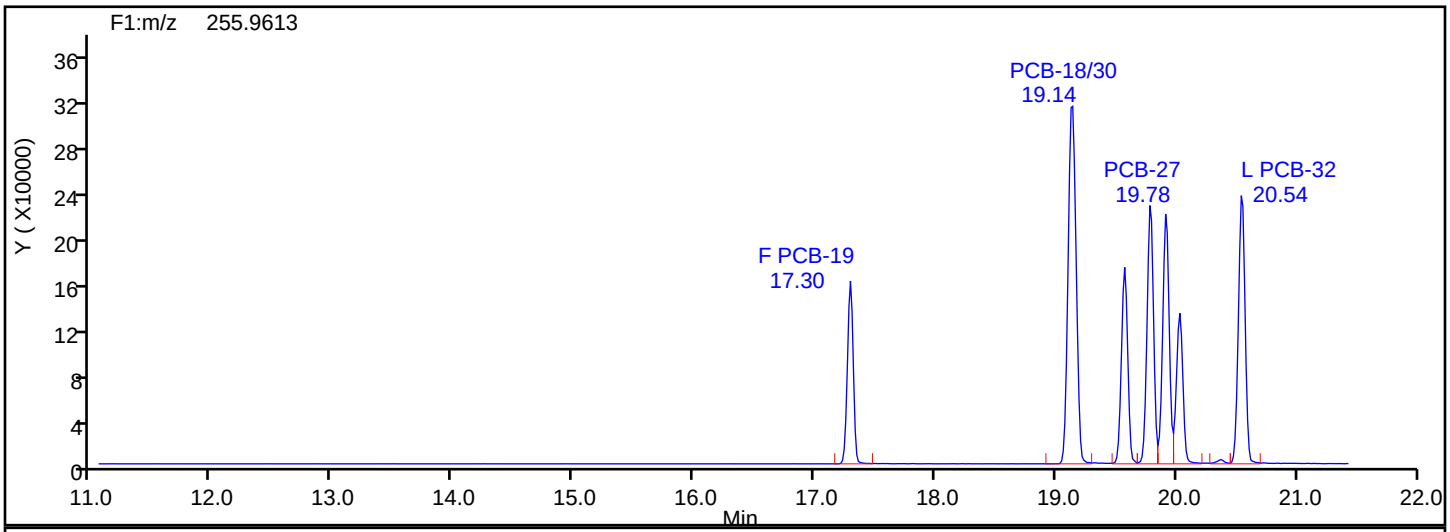

TriPCB F1 Standards

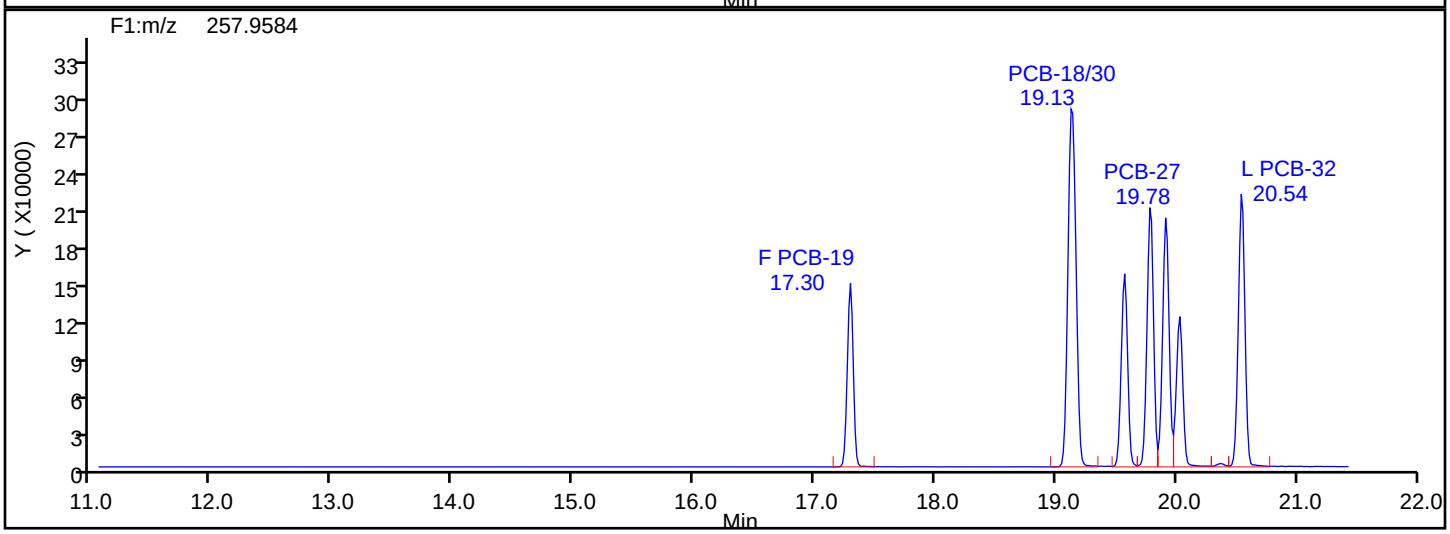


Eurofins TestAmerica, Knoxville

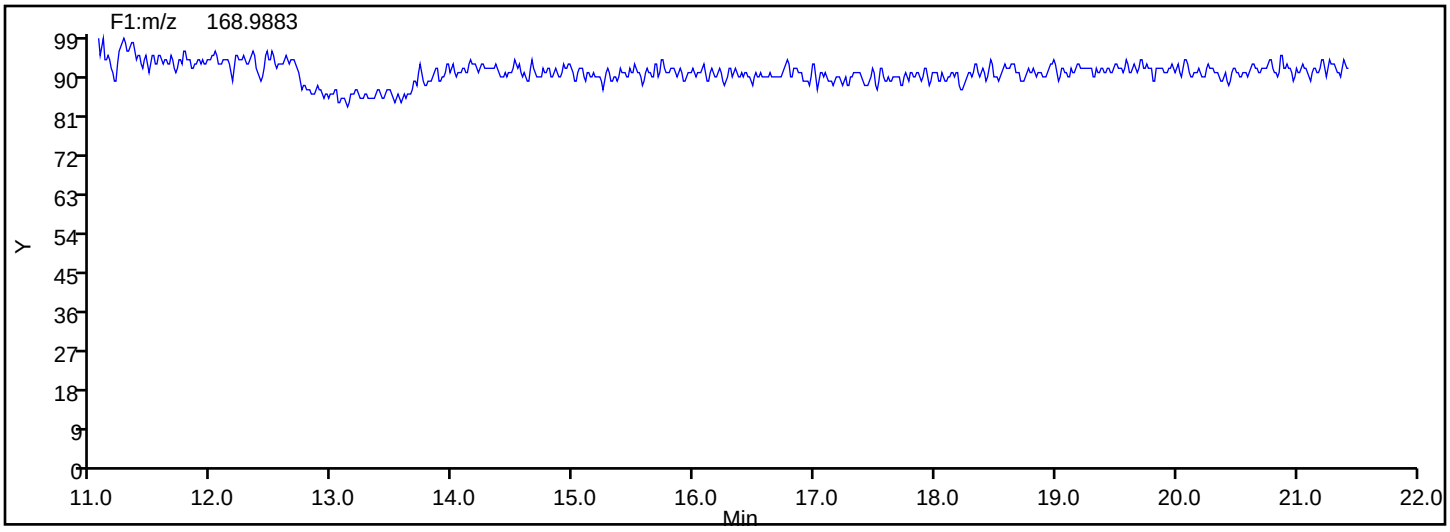
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

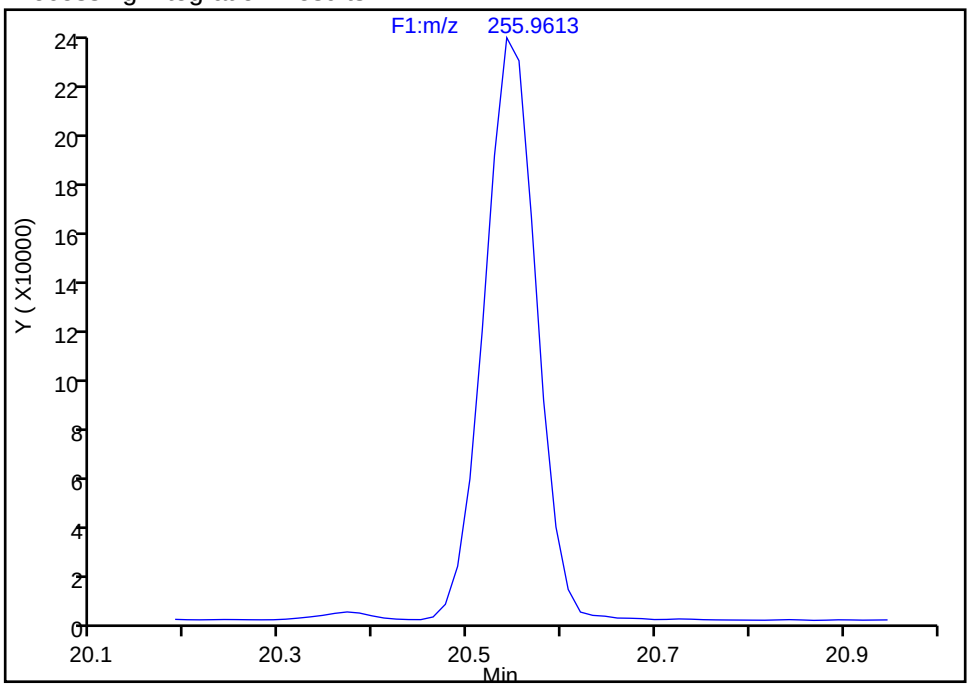
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-32, CAS: 38444-77-8

Signal: 1

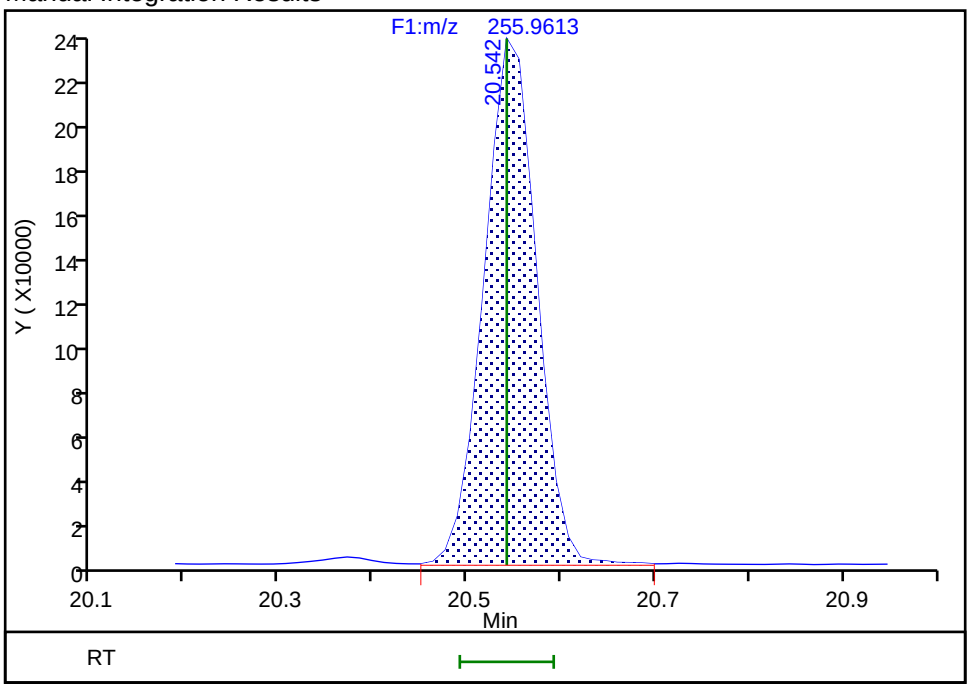
Not Detected
Expected RT: 20.54

Processing Integration Results




Manual Integration Results

RT: 20.54
Area: 908860
Amount: 43.747769
Amount Units: pg/ul

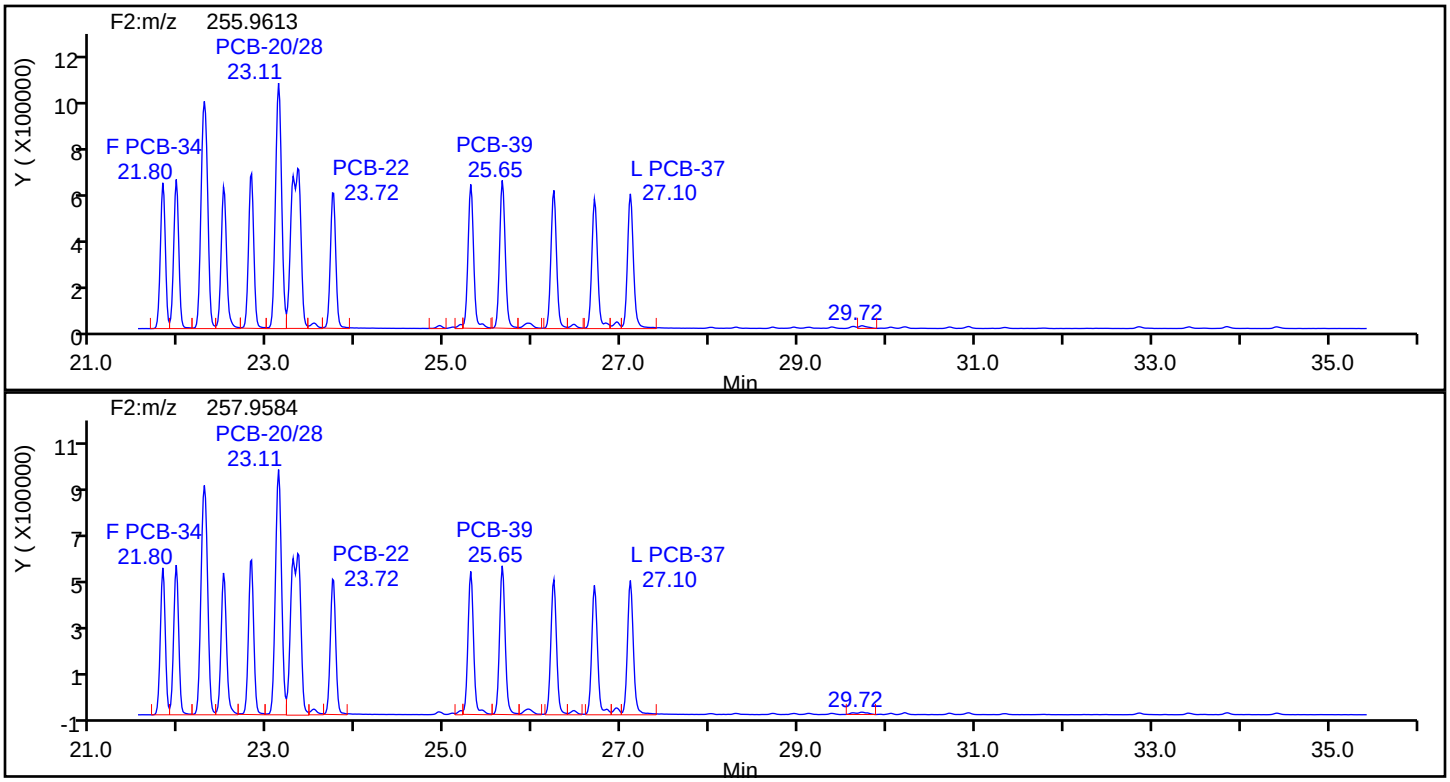



Reviewer: nordquistj, 11-Oct-2019 13:59:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

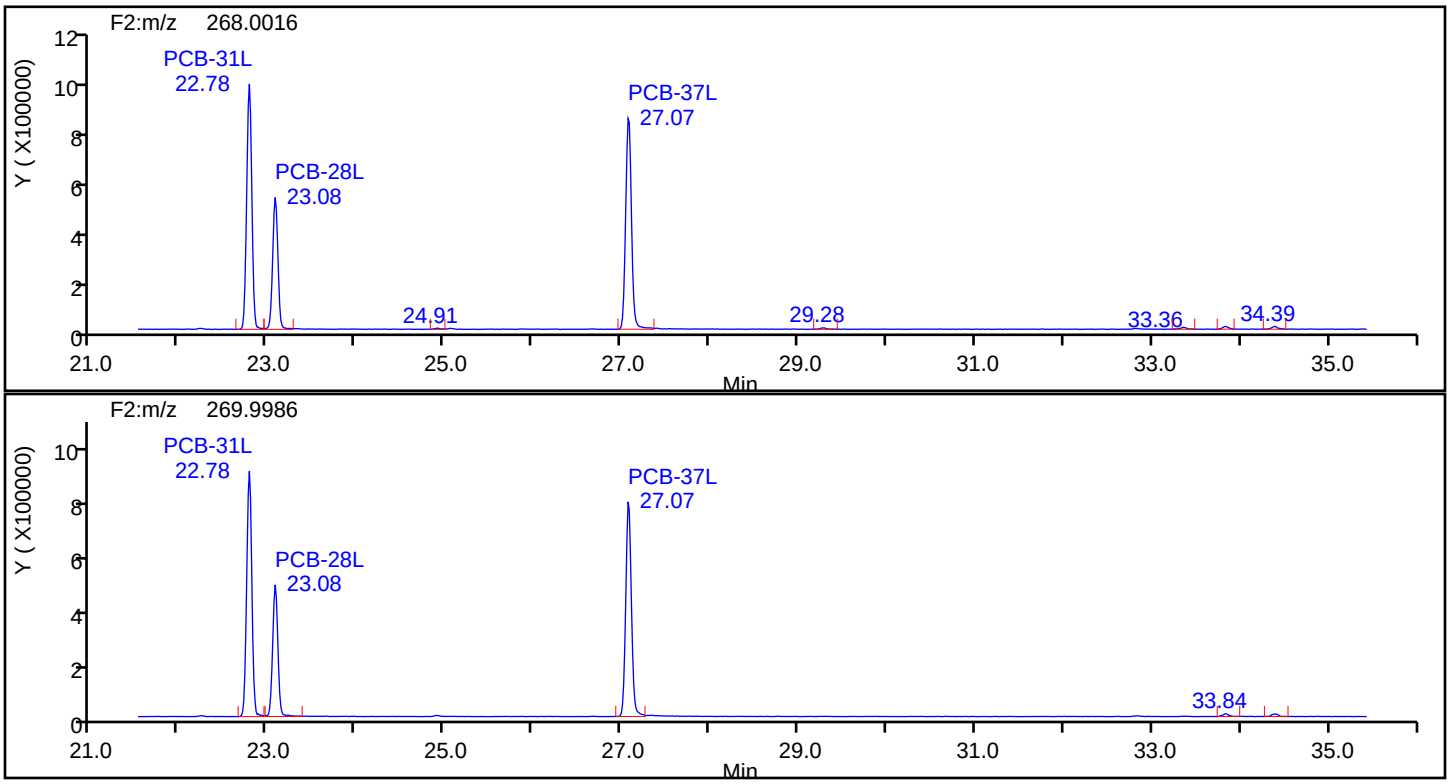
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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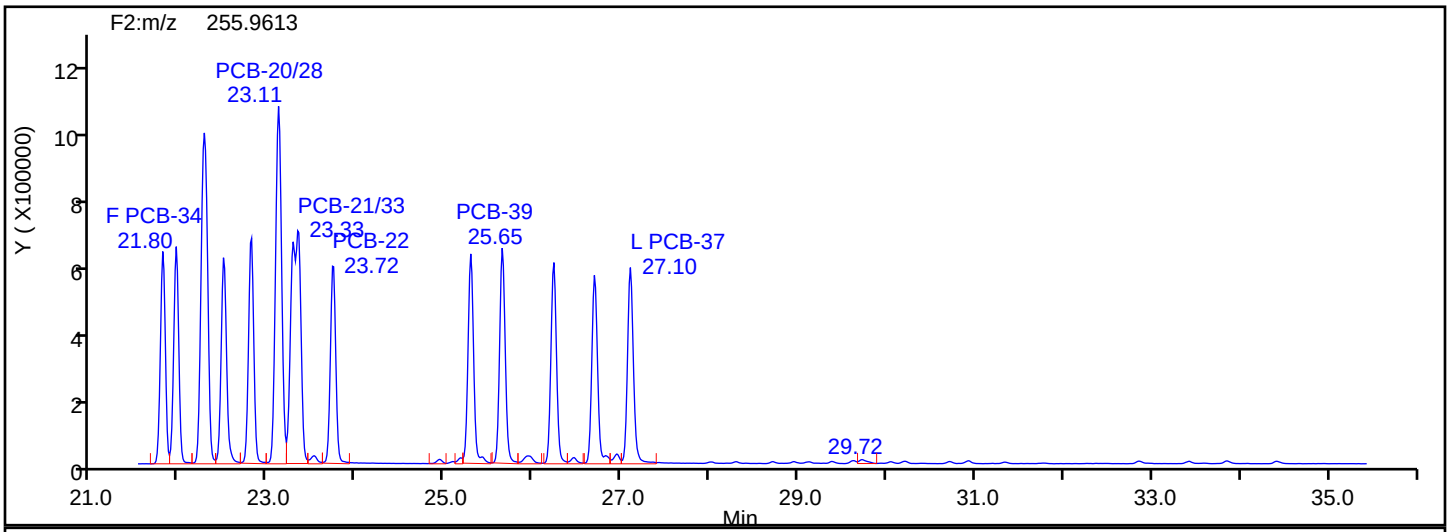
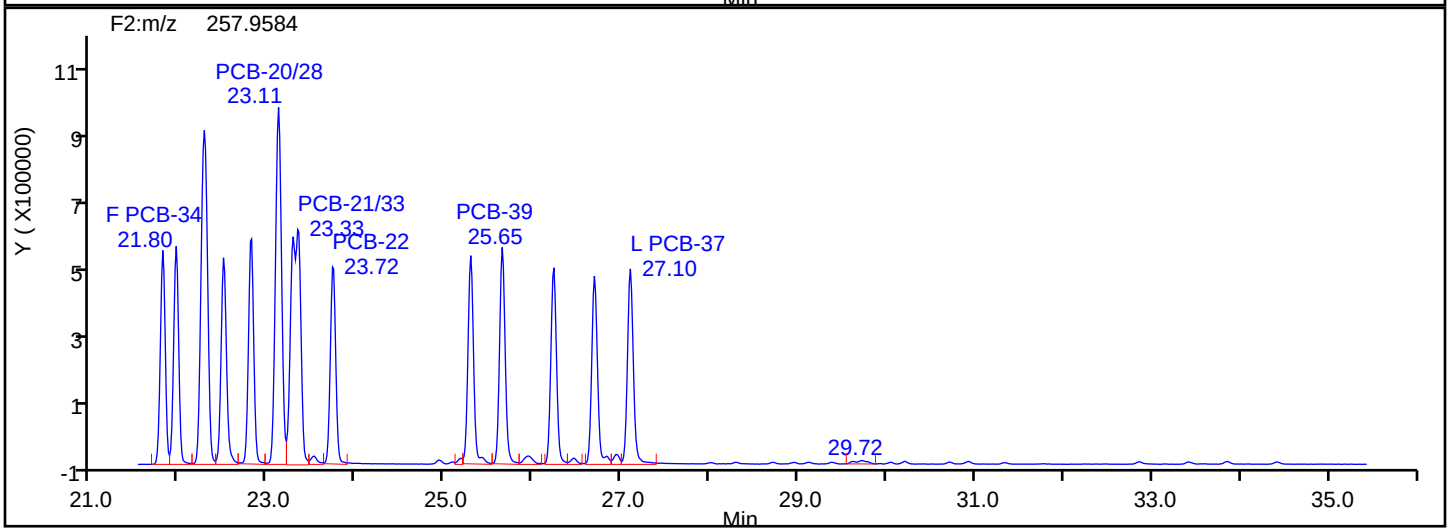
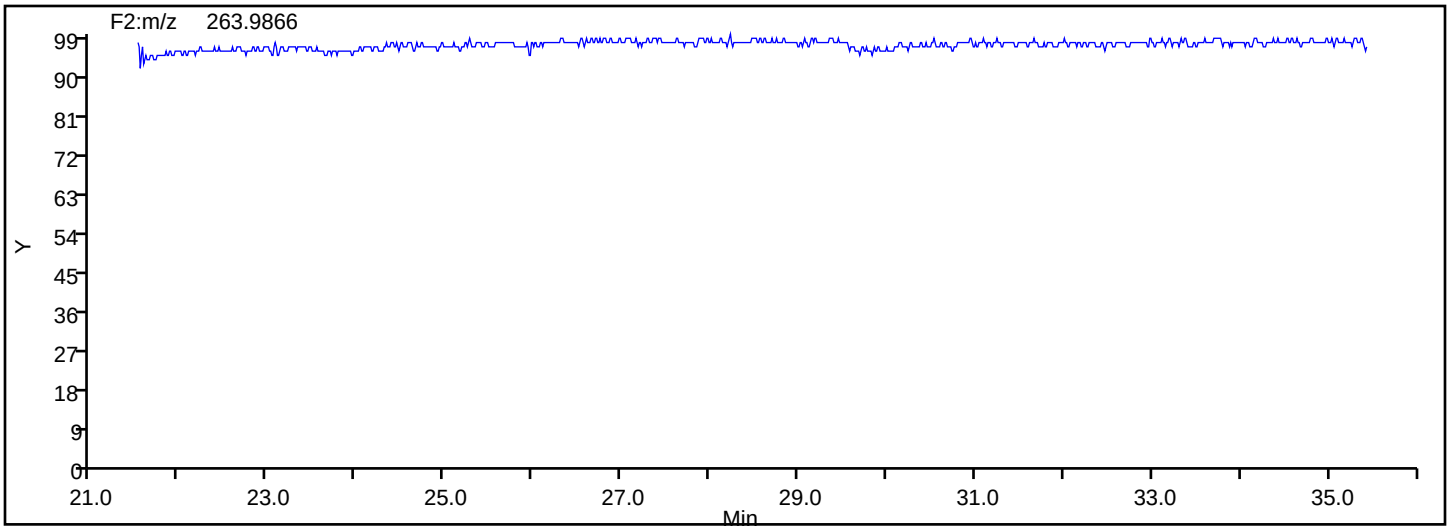
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

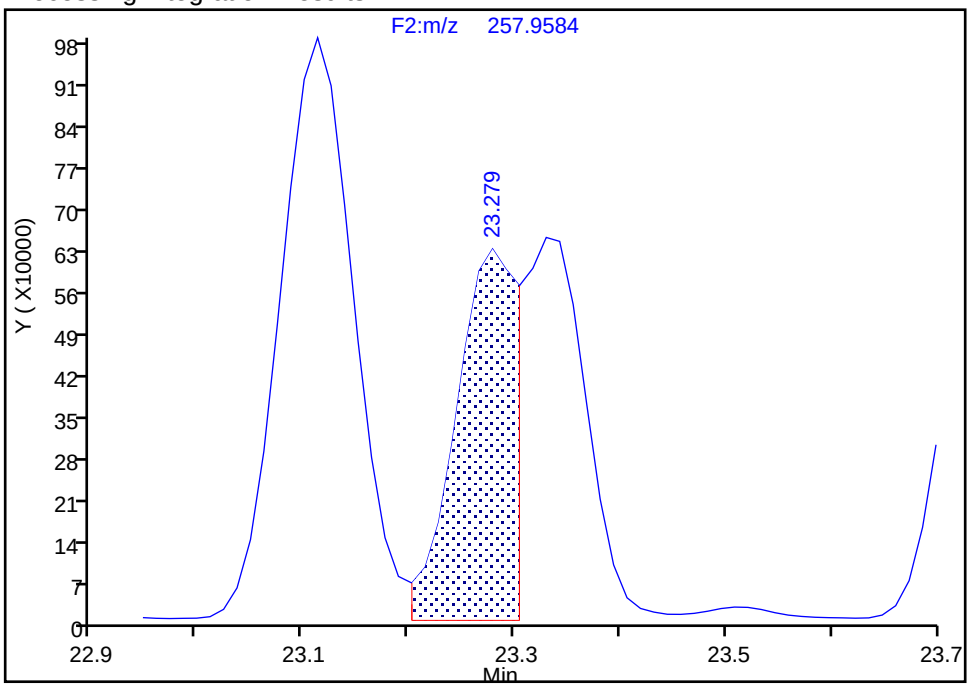
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-21/33, CAS: STL01800

Signal: 2

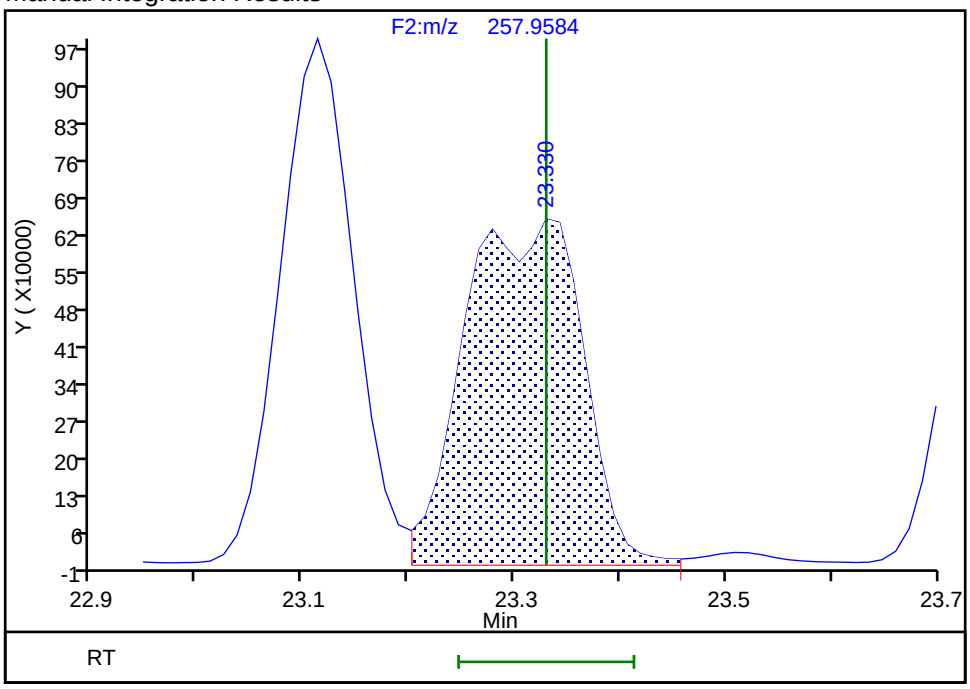
Processing Integration Results

RT: 23.28
Area: 2401613
Amount: 48.004131
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 5058894
Amount: 101.5777
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:00:02
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

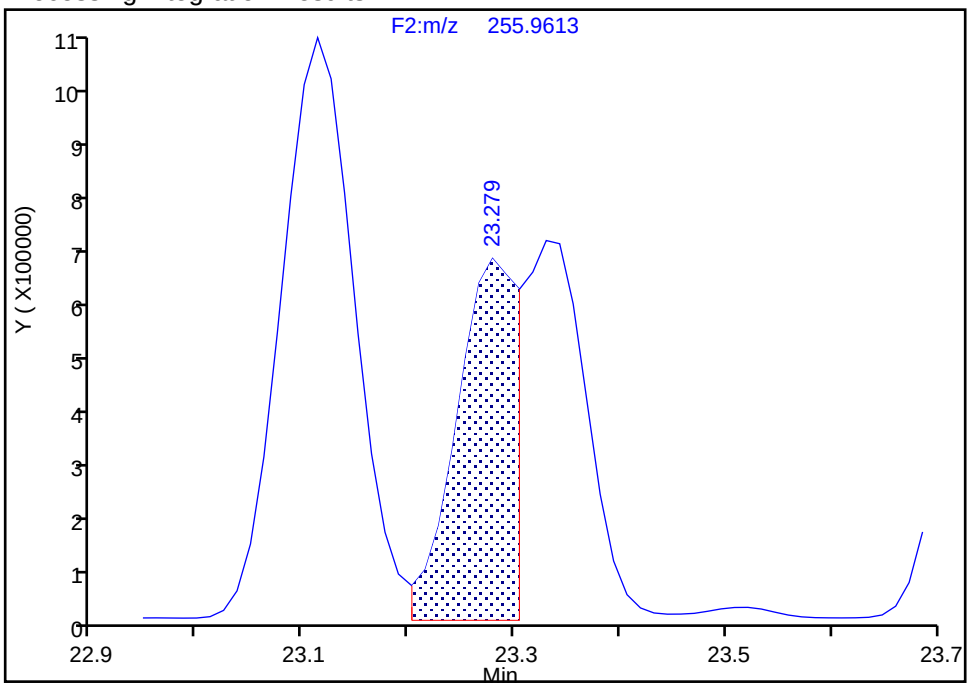
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 1

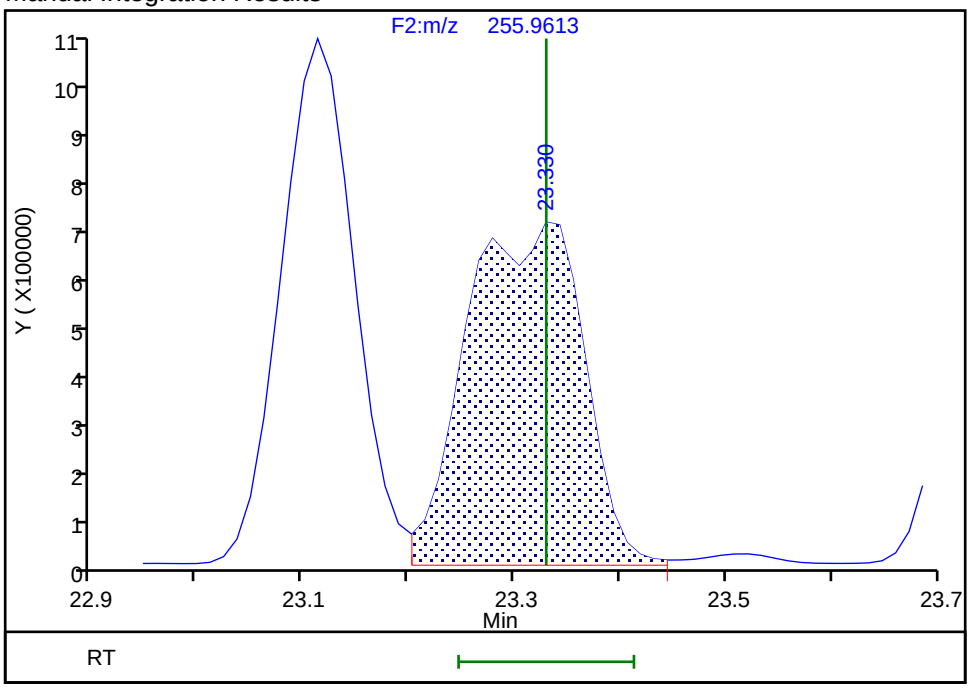
Processing Integration Results

RT: 23.28
Area: 2507497
Amount: 48.004131
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 5328884
Amount: 101.5777
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:00:05
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
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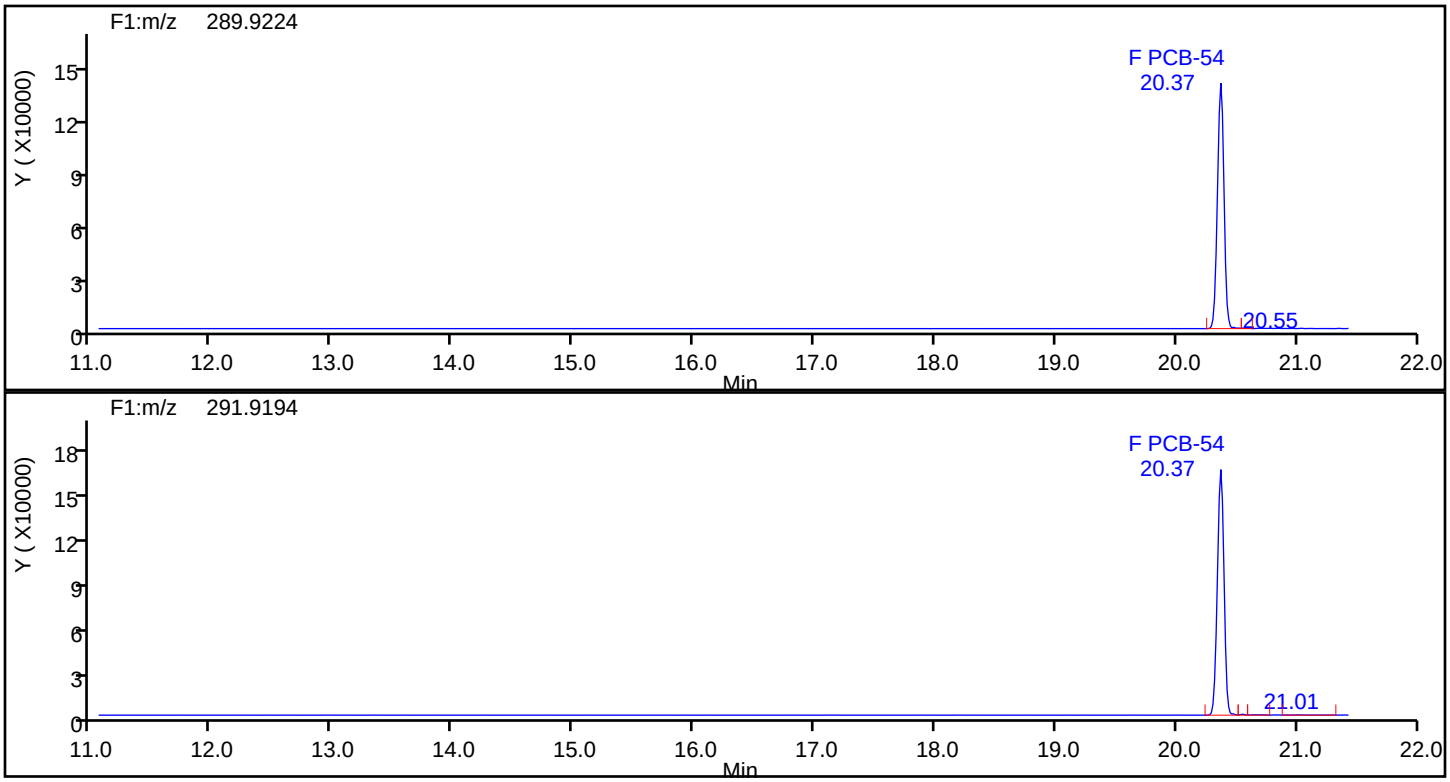
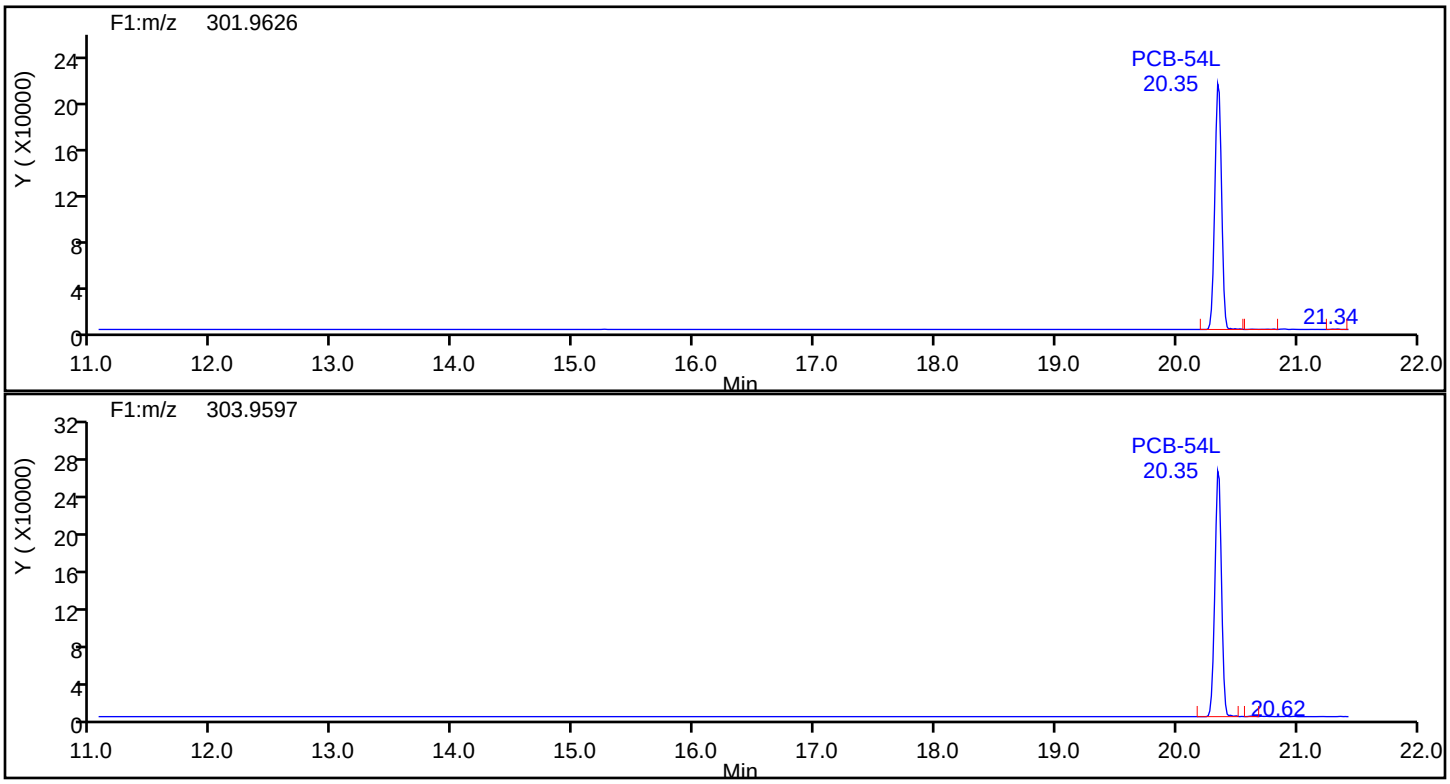
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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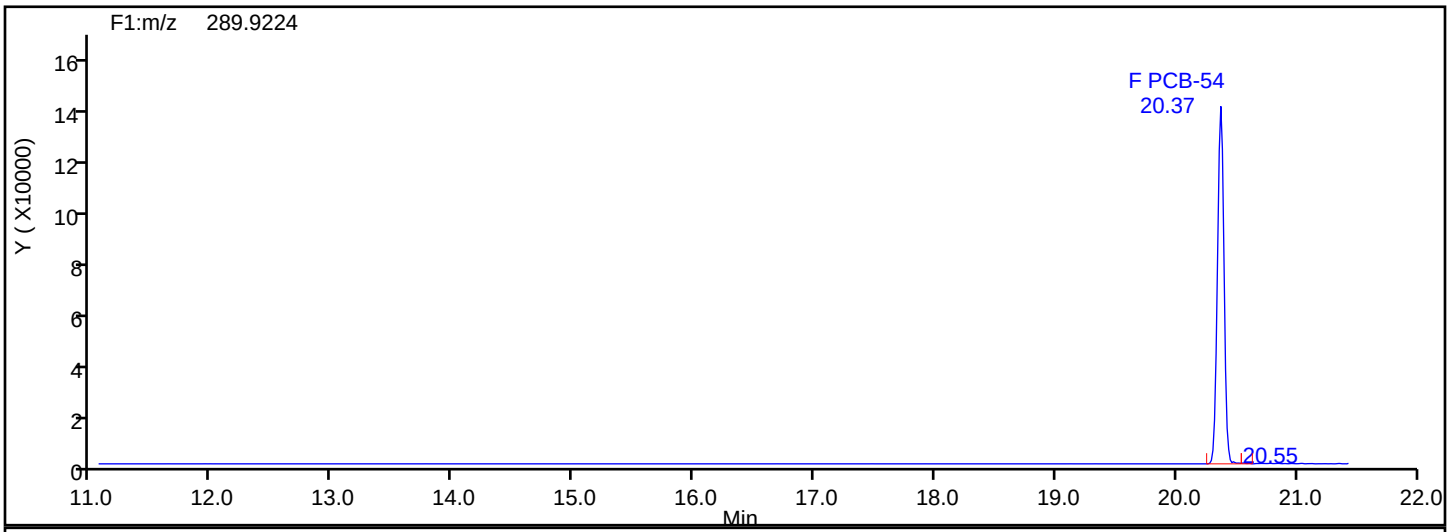
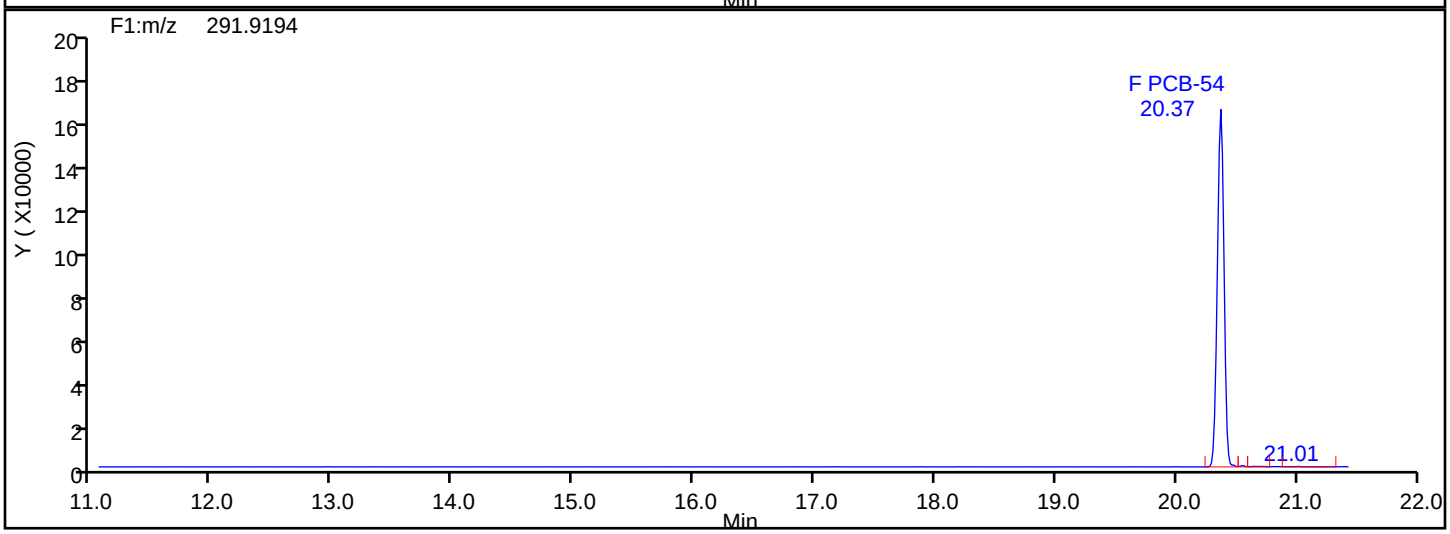
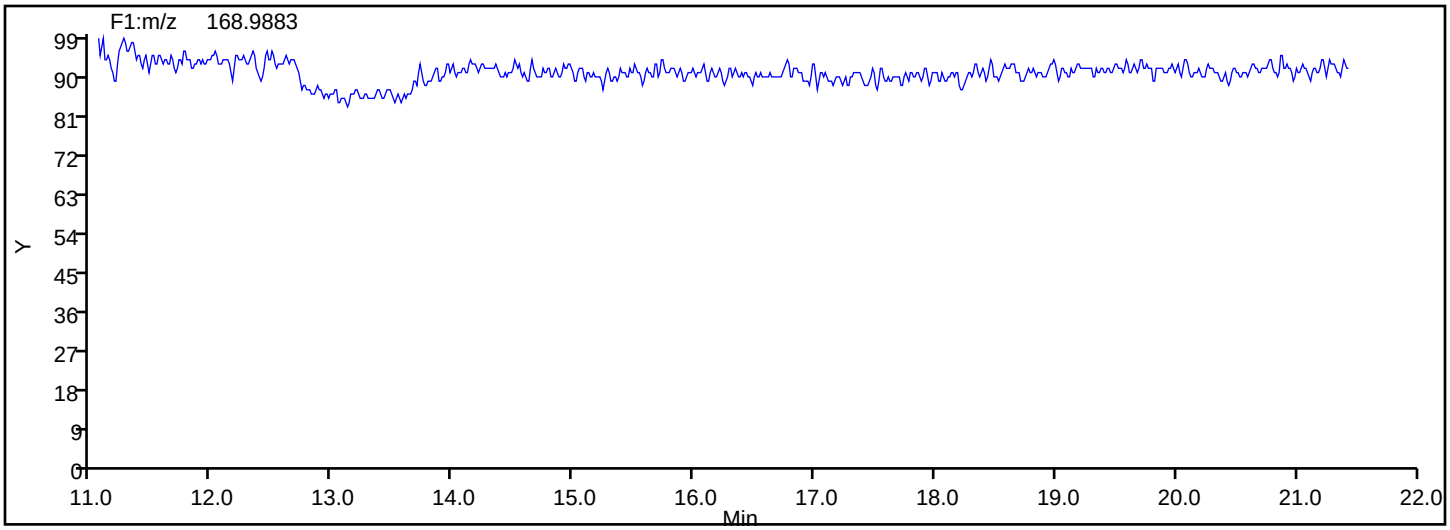
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



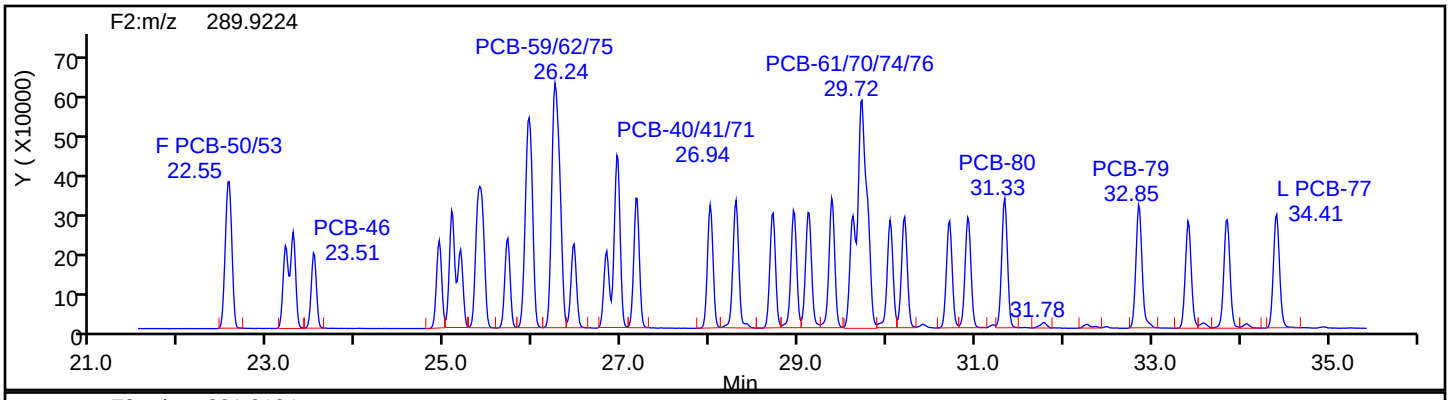

TePCB F1 Lock Mass

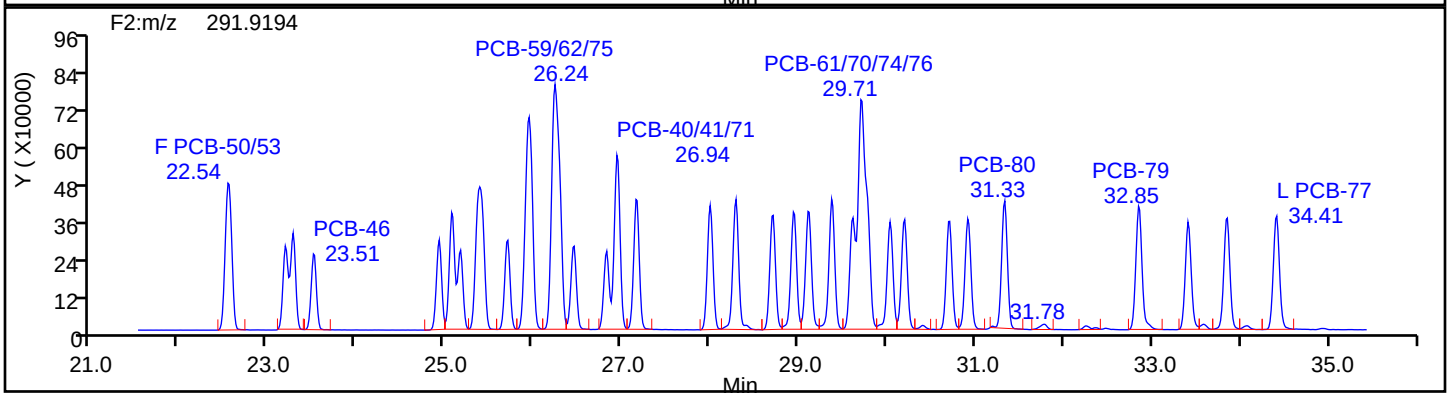


Eurofins TestAmerica, Knoxville

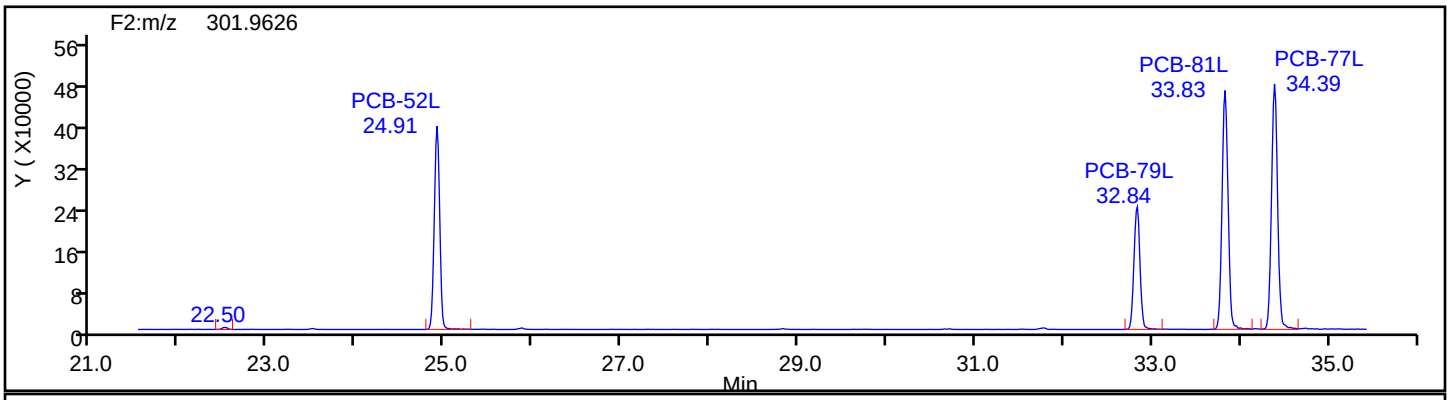
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

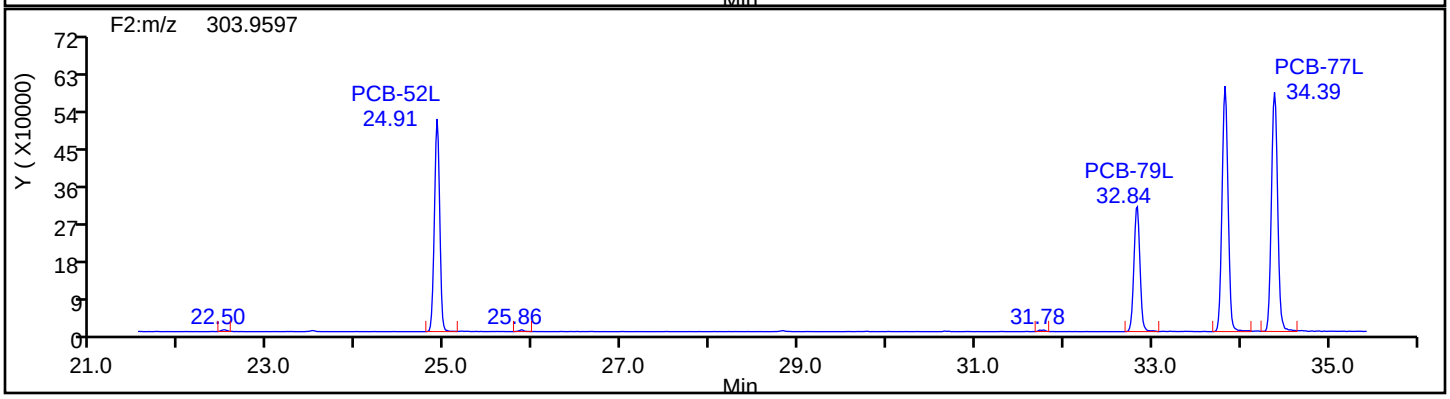
TePCB F2




TePCB F2 Standards

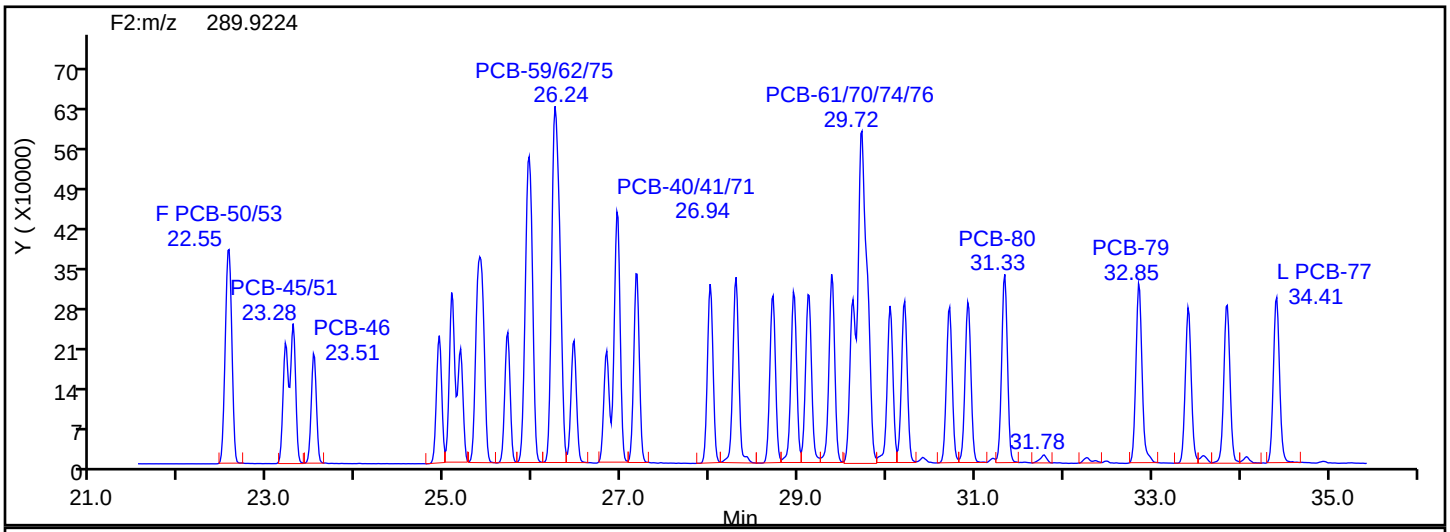


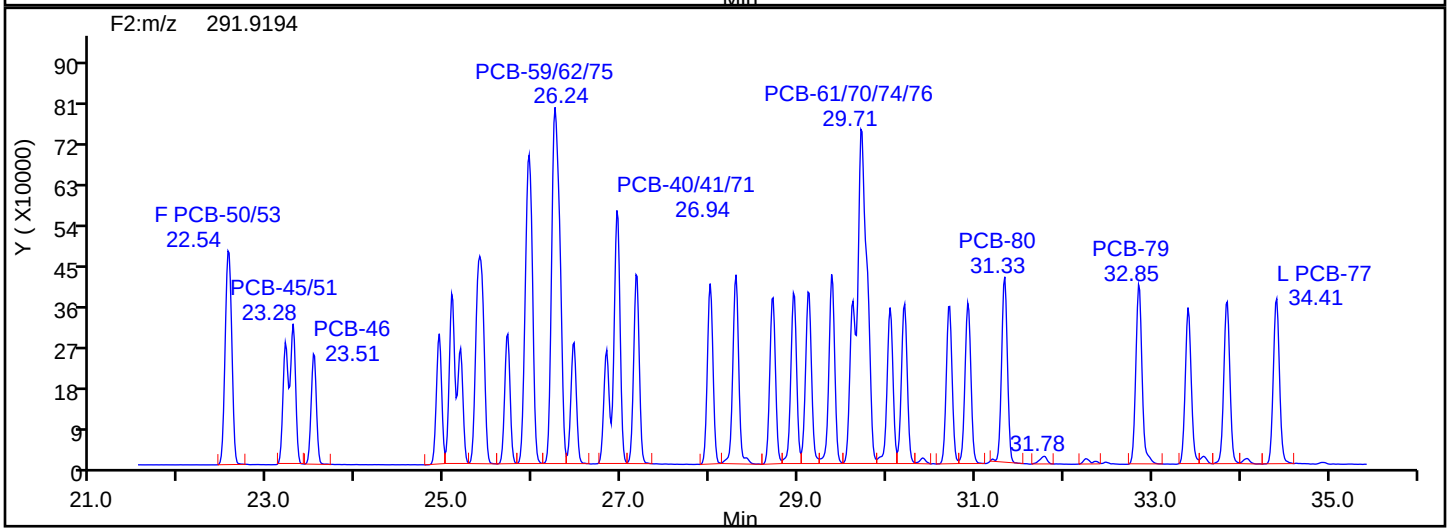



Eurofins TestAmerica, Knoxville

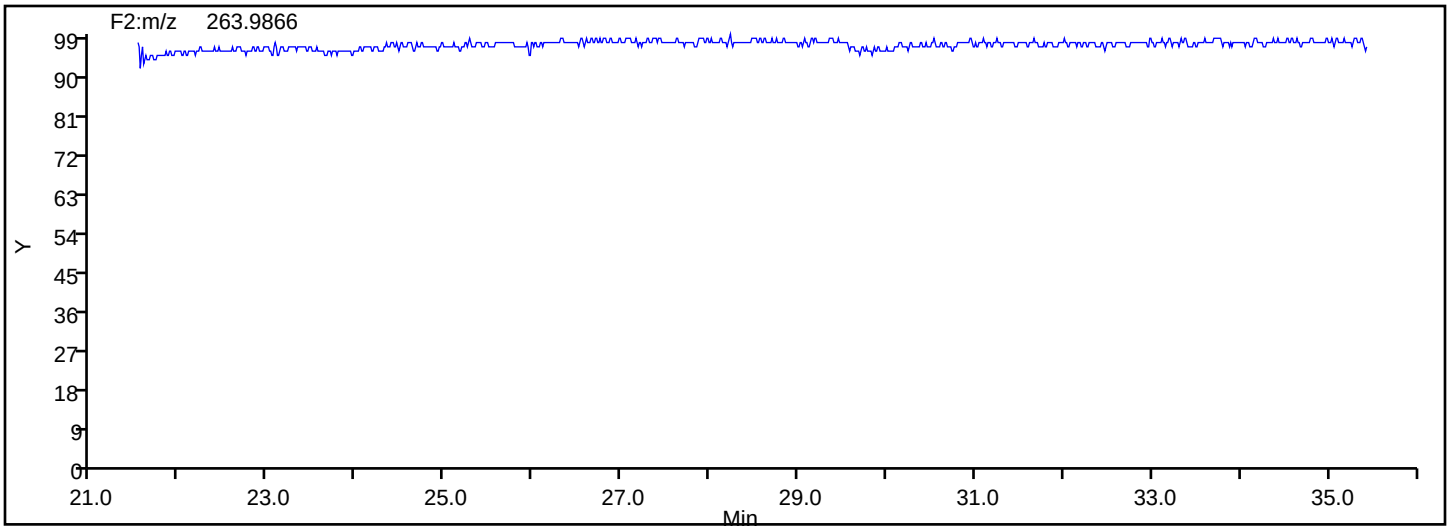
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

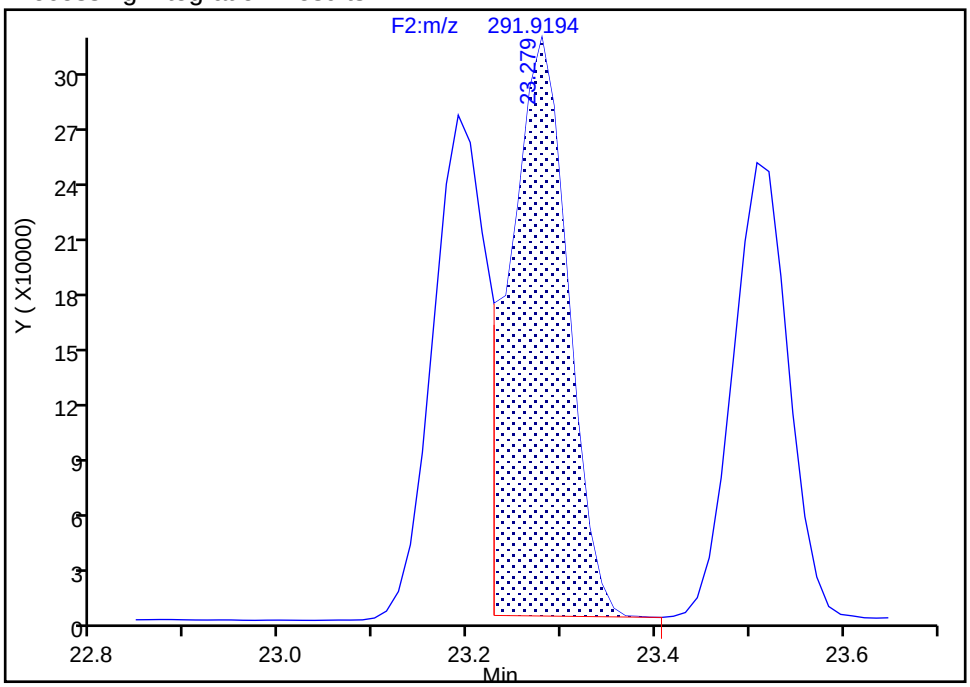
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

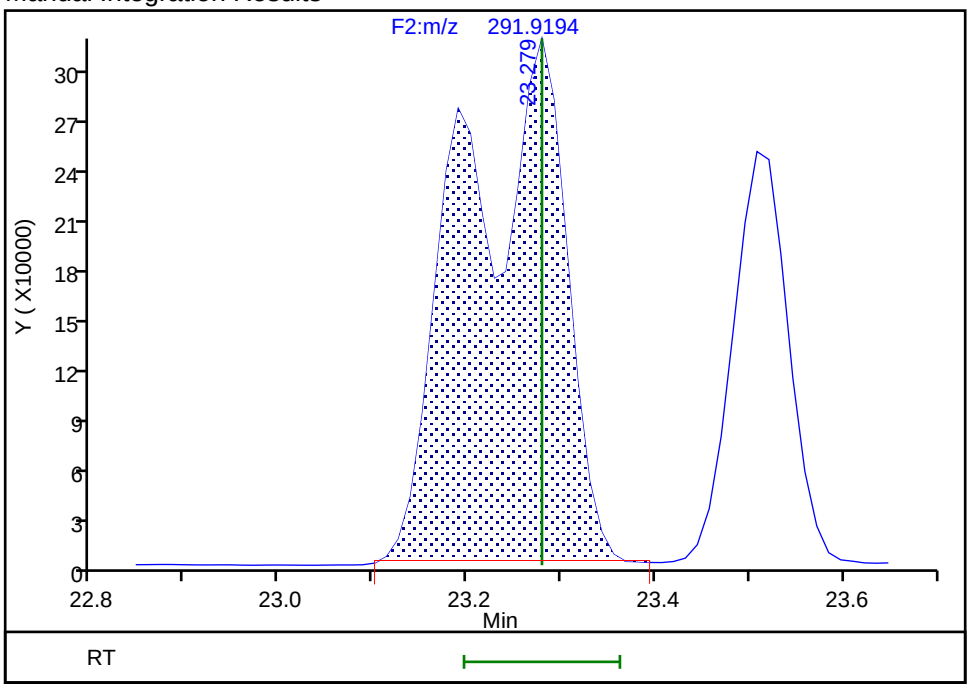
Processing Integration Results

RT: 23.28
Area: 1316028
Amount: 49.919303
Amount Units: pg/ul




Manual Integration Results

RT: 23.28
Area: 2337787
Amount: 93.254601
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:00:41
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

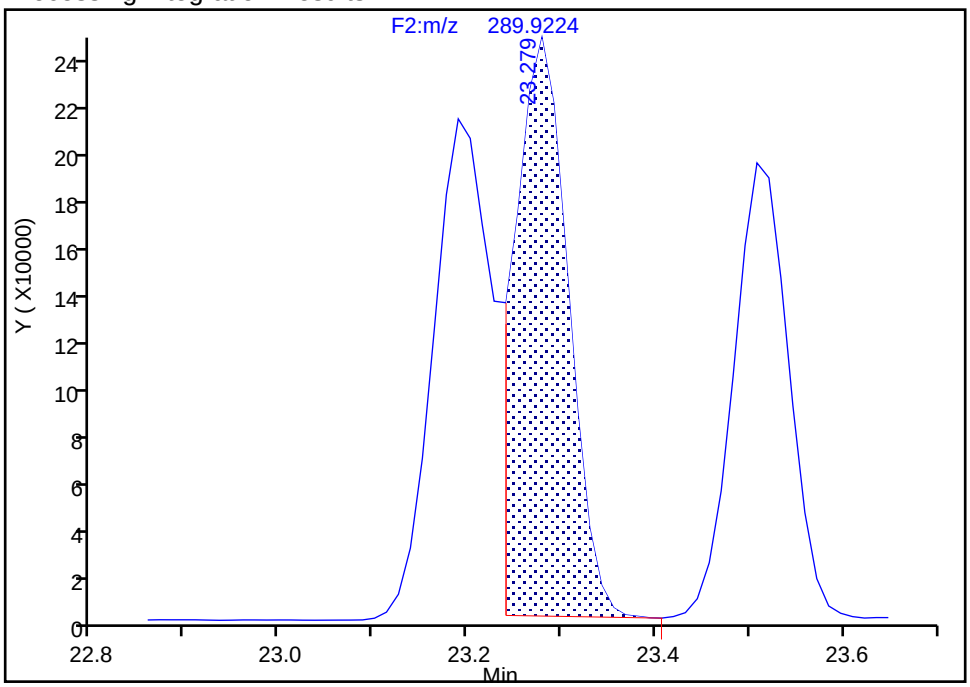
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

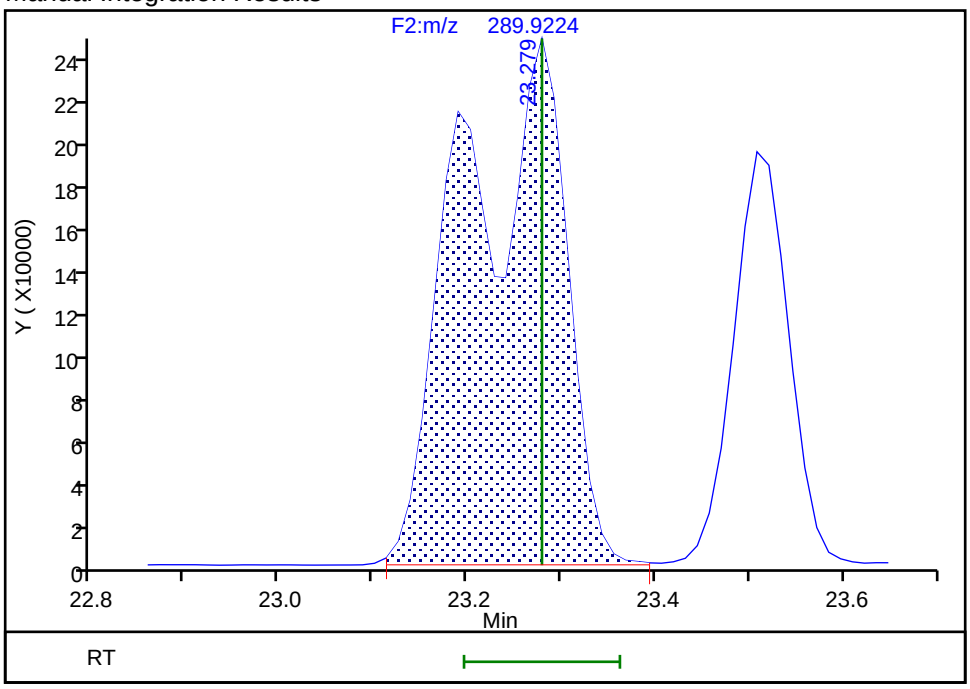
Processing Integration Results

RT: 23.28
Area: 936336
Amount: 49.919303
Amount Units: pg/ul




Manual Integration Results

RT: 23.28
Area: 1869870
Amount: 93.254601
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:00:45

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

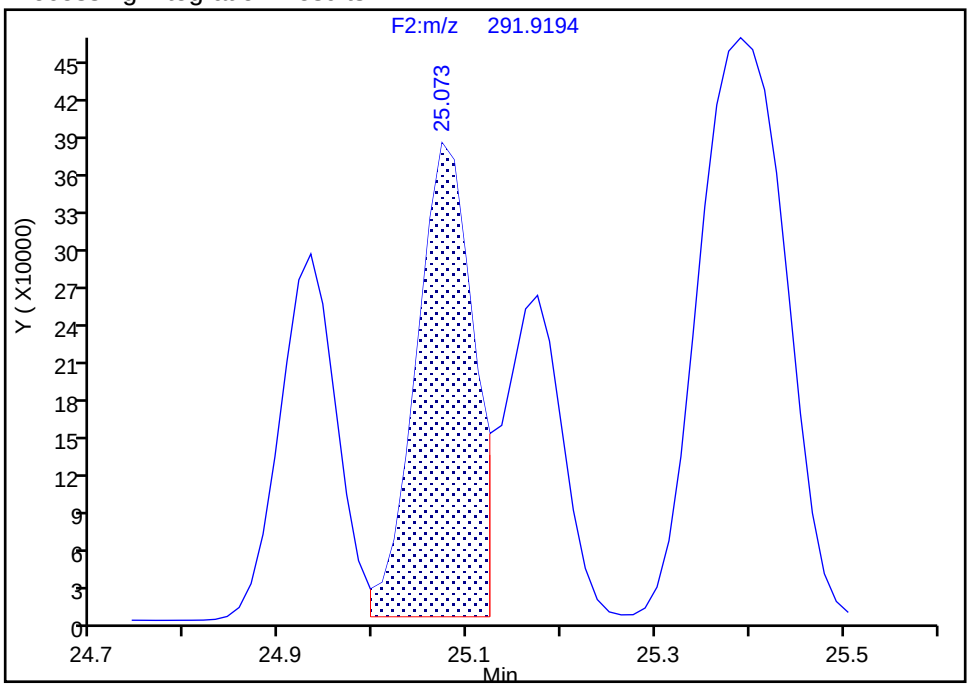
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

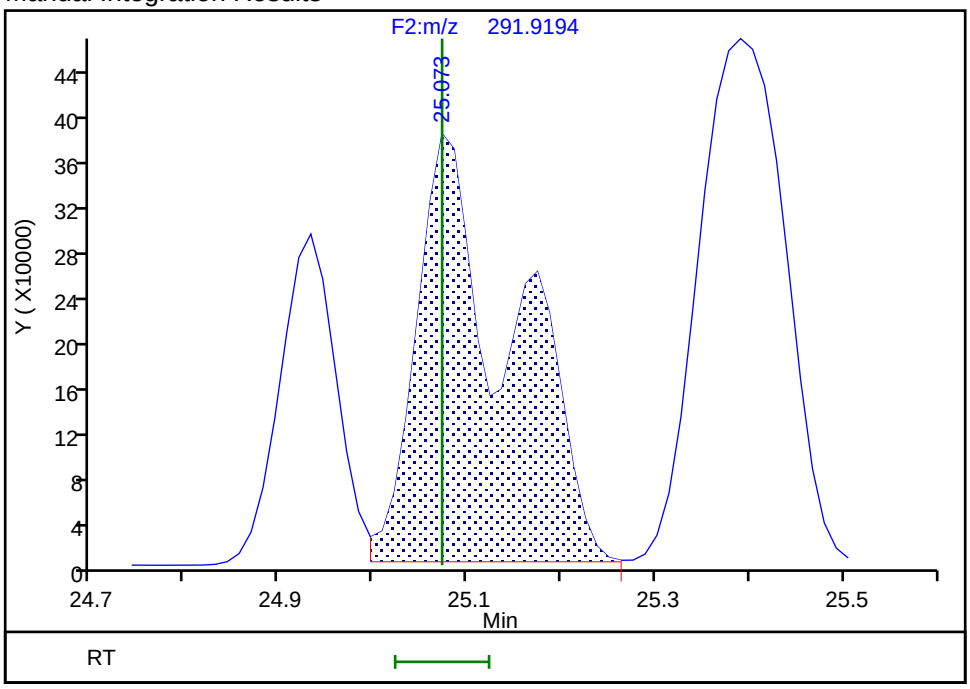
Processing Integration Results

RT: 25.07
Area: 1572954
Amount: 55.195986
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 2668108
Amount: 93.472218
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:01:14
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

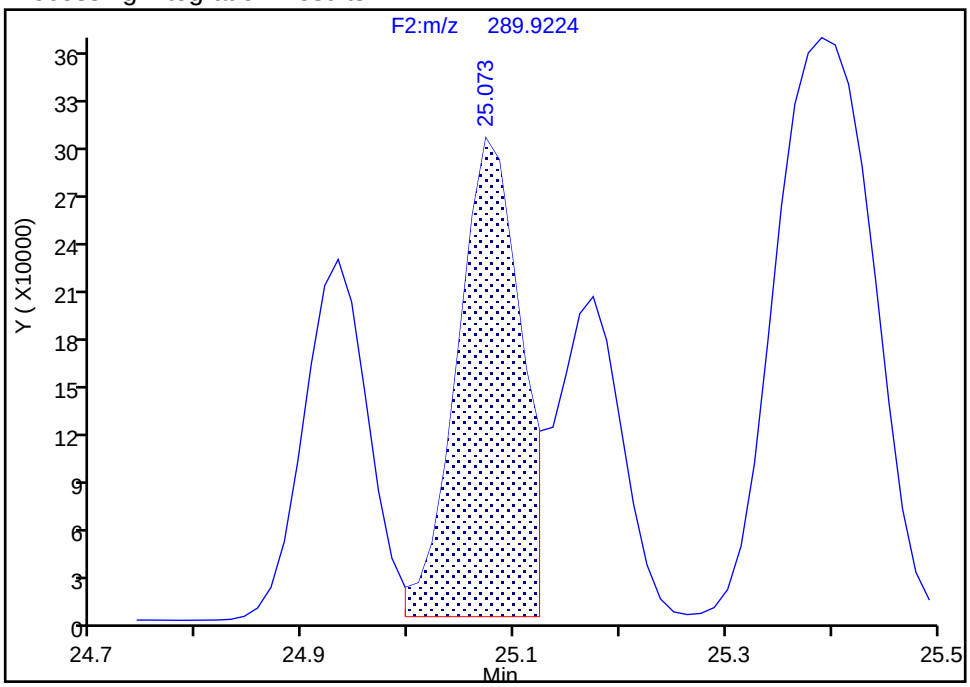
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 1

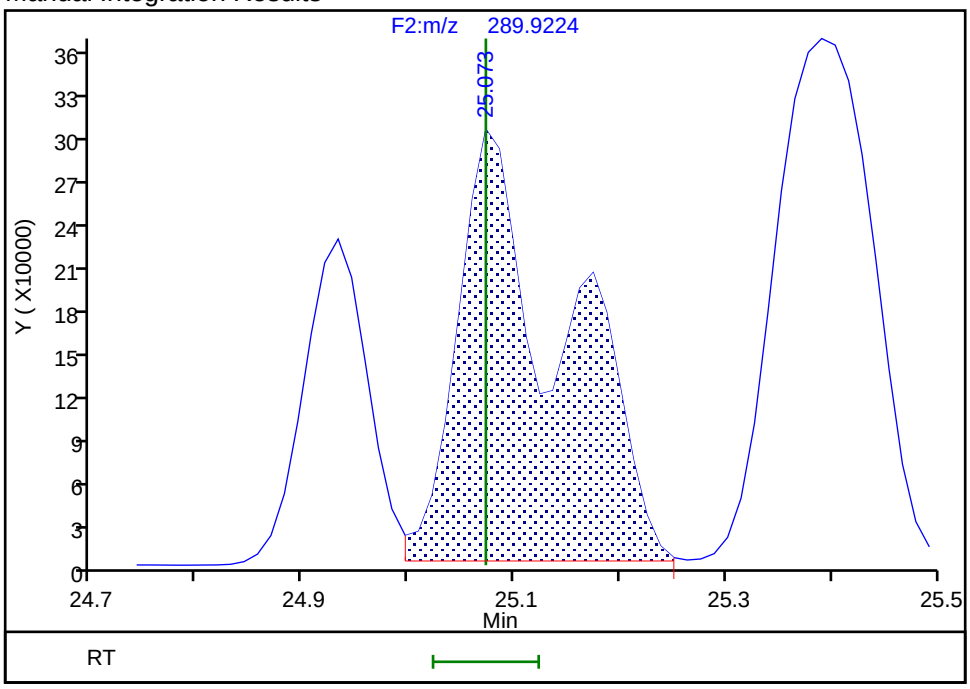
Processing Integration Results

RT: 25.07
Area: 1239182
Amount: 55.195986
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 2094133
Amount: 93.472218
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:01:18
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

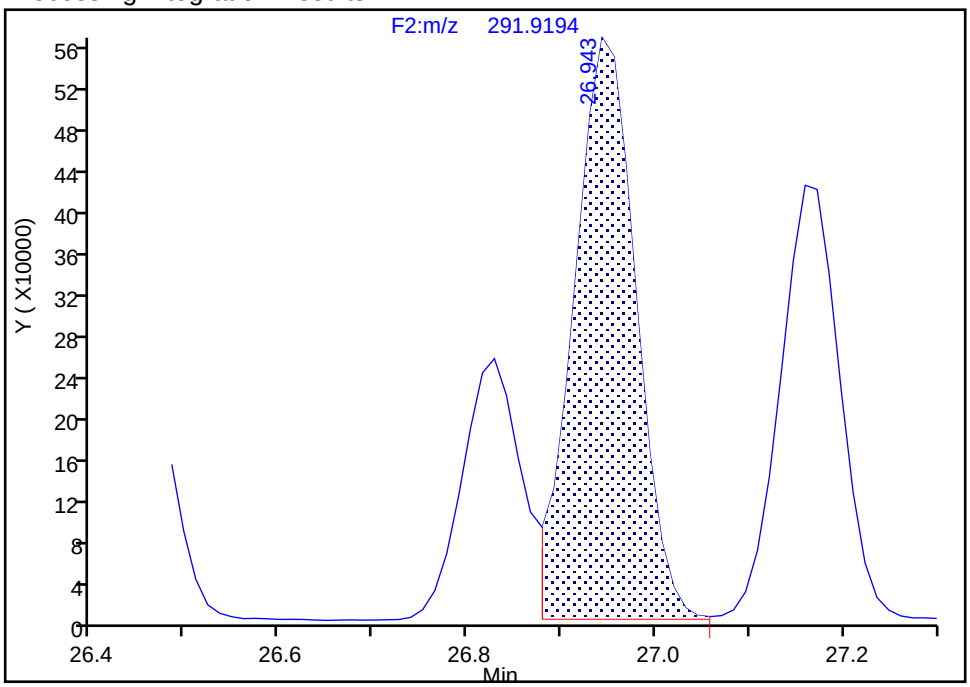
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

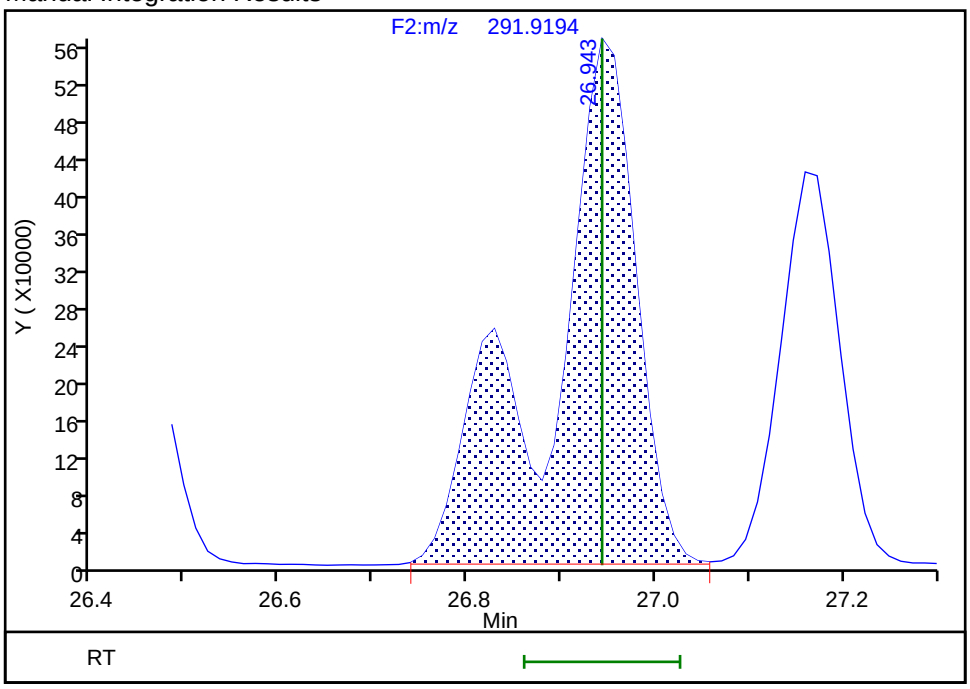
Processing Integration Results

RT: 26.94
Area: 2578540
Amount: 98.789082
Amount Units: pg/ul




Manual Integration Results

RT: 26.94
Area: 3659615
Amount: 139.7526
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:01:35

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

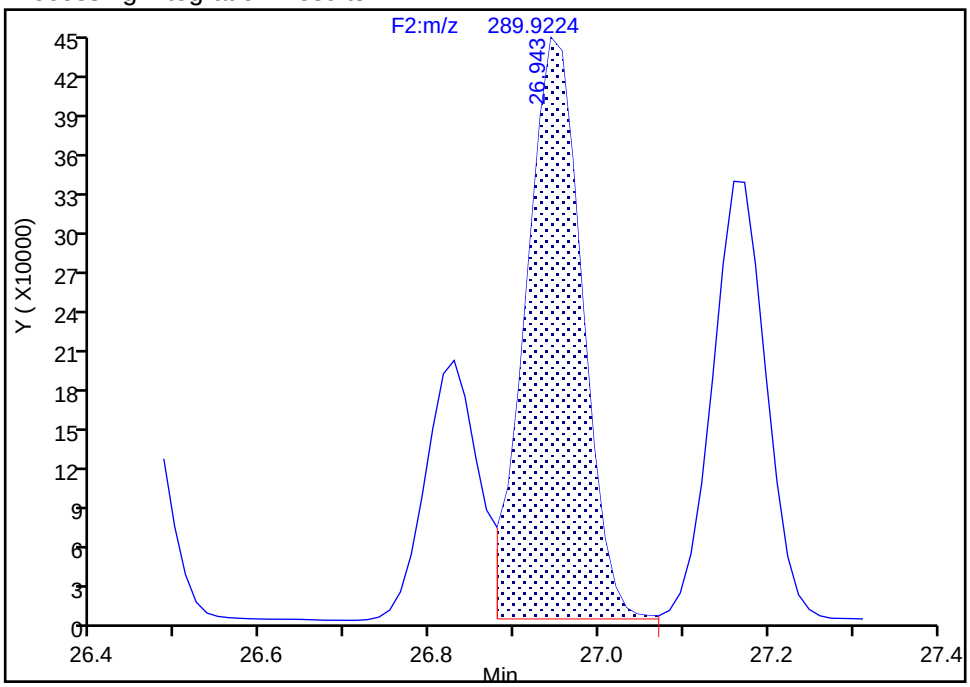
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-40/41/71, CAS: STL02292

Signal: 1

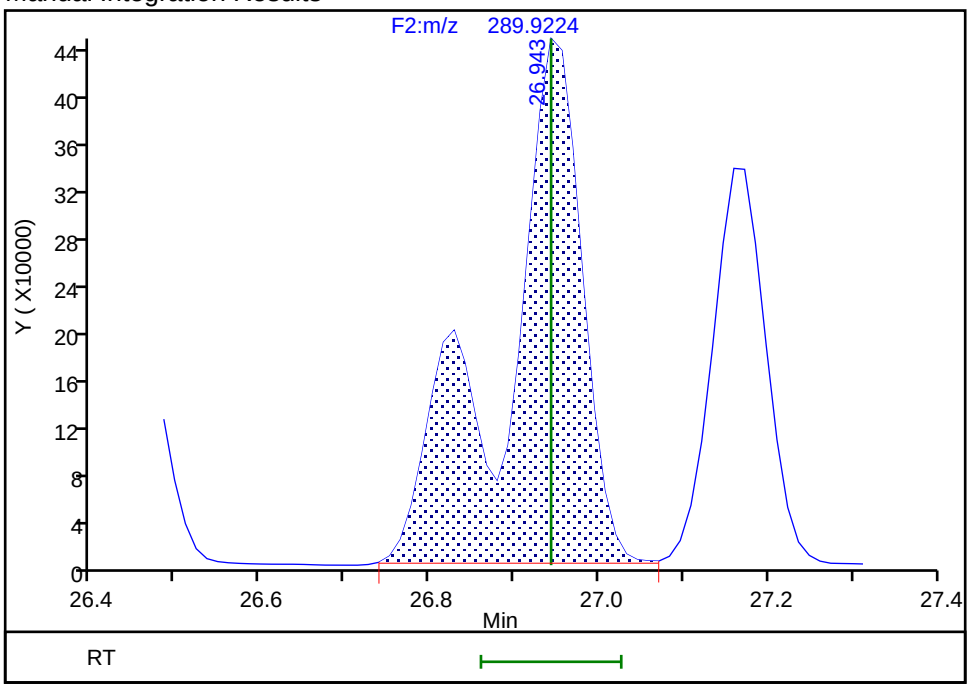
Processing Integration Results

RT: 26.94
Area: 2044380
Amount: 98.789082
Amount Units: pg/ul




Manual Integration Results

RT: 26.94
Area: 2880229
Amount: 139.7526
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:01:39
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

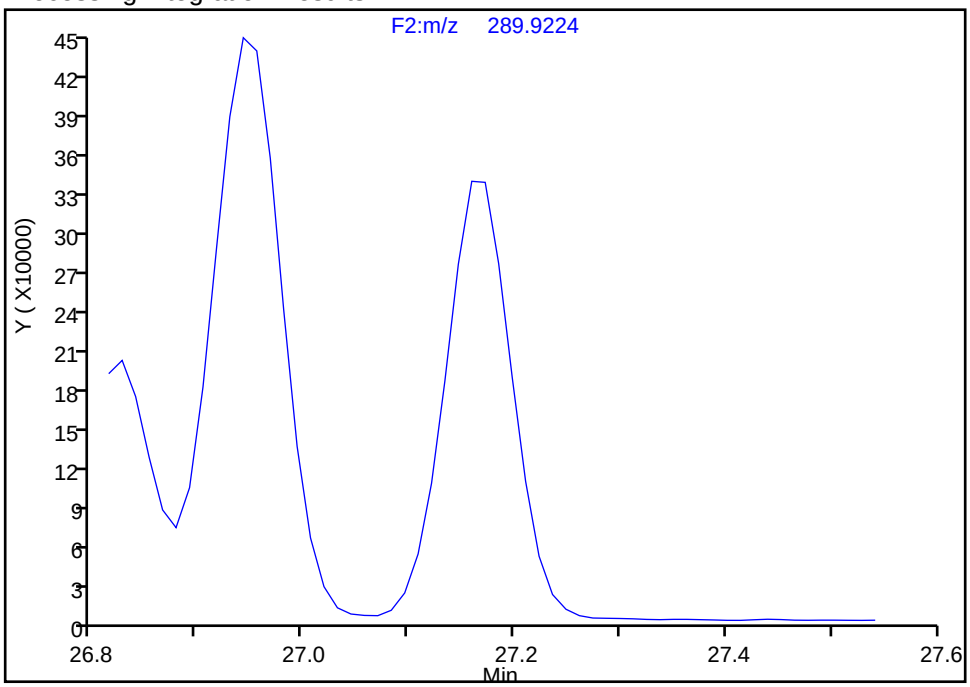
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 1

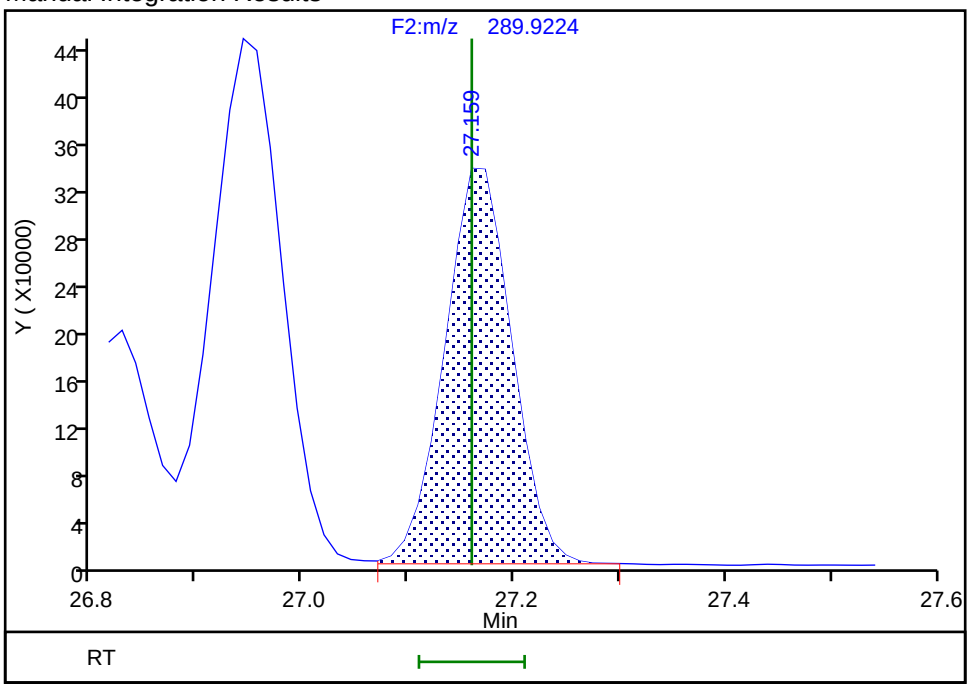
Not Detected
Expected RT: 27.16

Processing Integration Results




Manual Integration Results

RT: 27.16
Area: 1479455
Amount: 46.348591
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:01:45
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

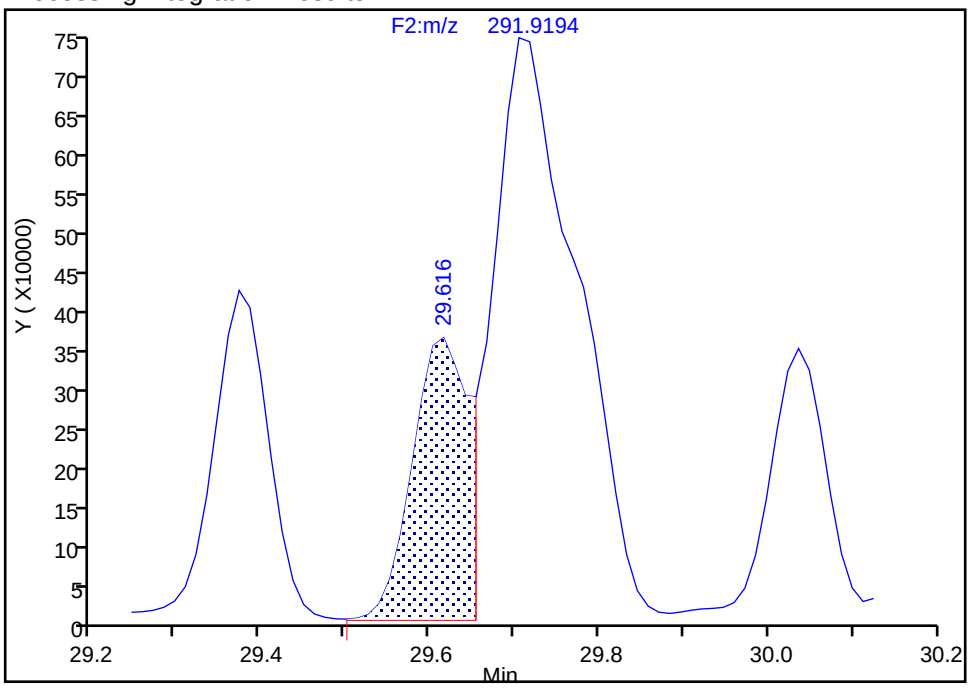
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-61/70/74/76, CAS: STL01808

Signal: 2

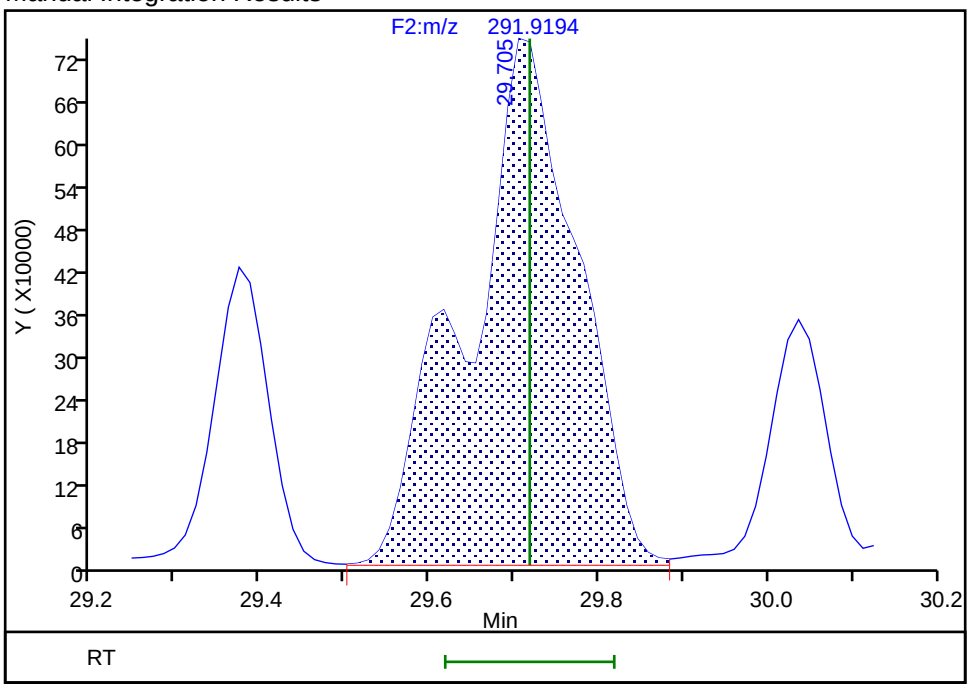
Processing Integration Results

RT: 29.62
Area: 1637608
Amount: 42.408611
Amount Units: pg/ul




Manual Integration Results

RT: 29.71
Area: 6722688
Amount: 174.4431
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:02:10
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

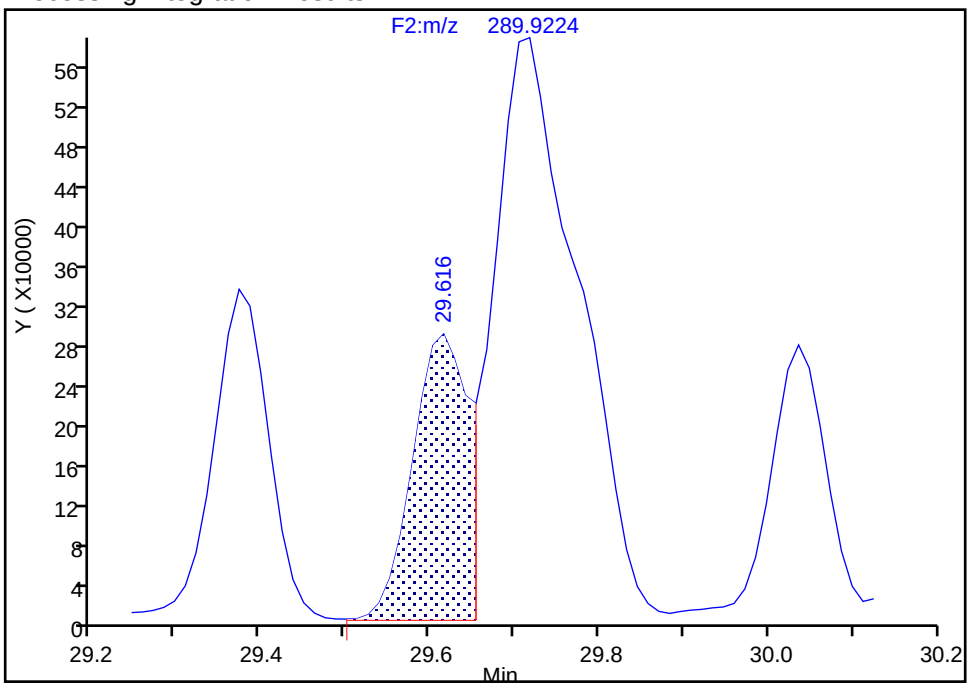
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 1

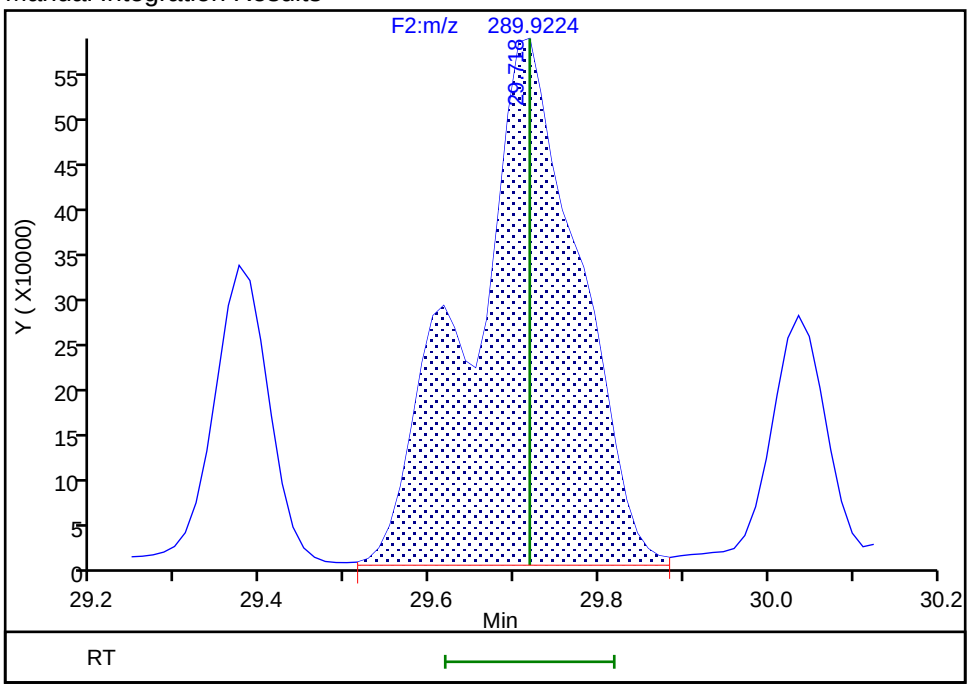
Processing Integration Results

RT: 29.62
Area: 1295285
Amount: 42.408611
Amount Units: pg/ul




Manual Integration Results

RT: 29.72
Area: 5341443
Amount: 174.4431
Amount Units: pg/ul



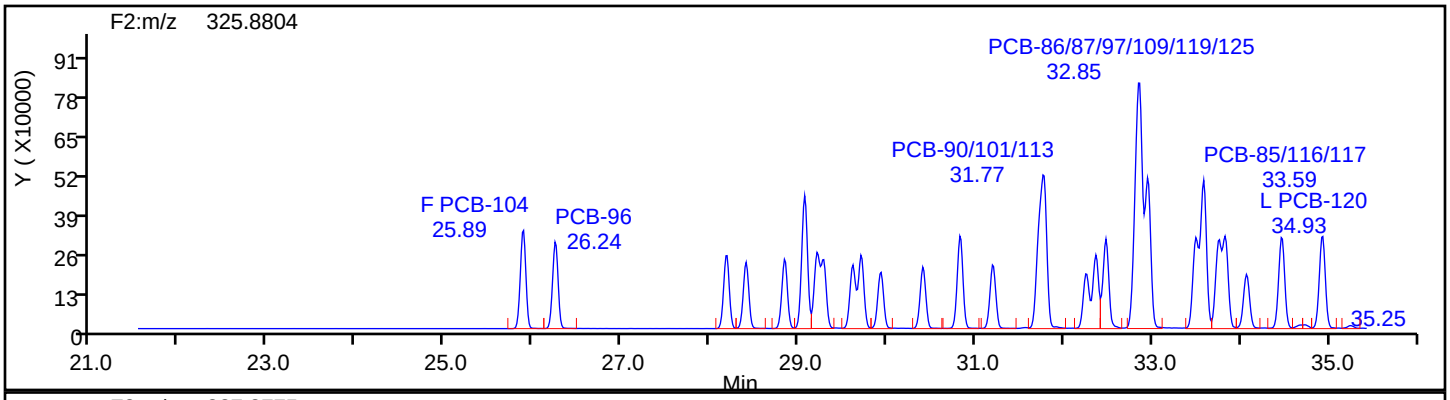

Reviewer: nordquistj, 11-Oct-2019 14:02:13

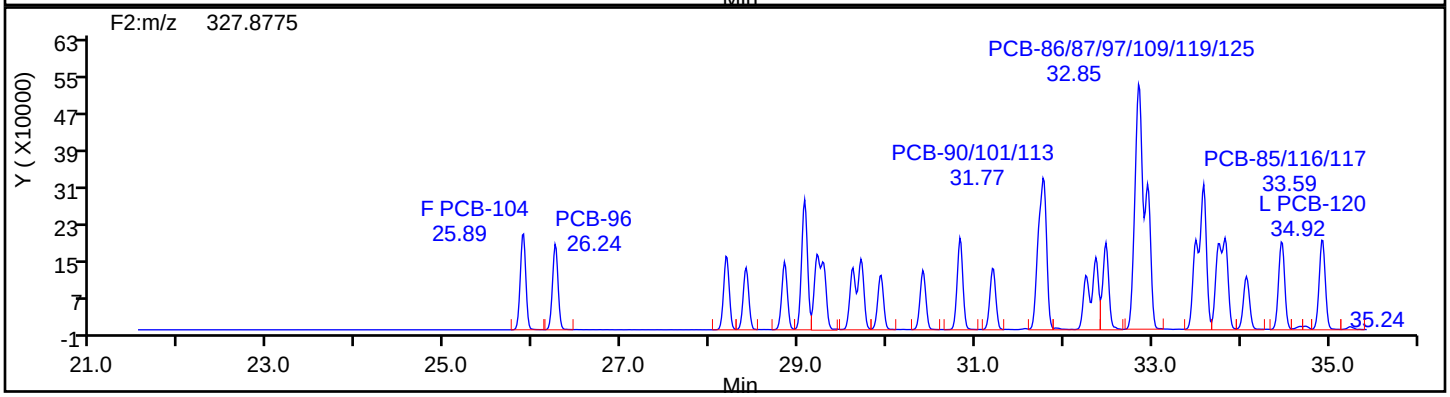
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

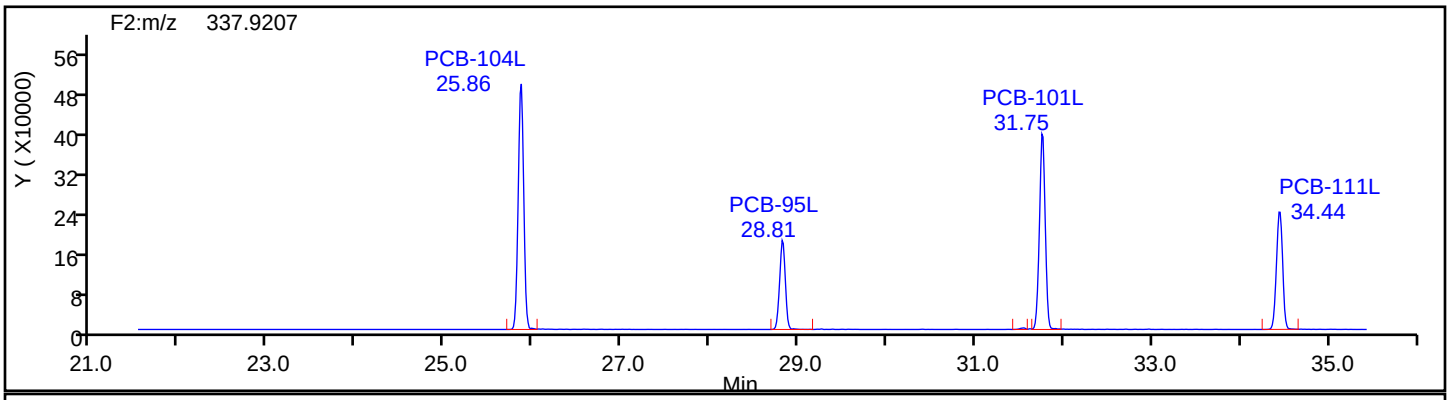
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

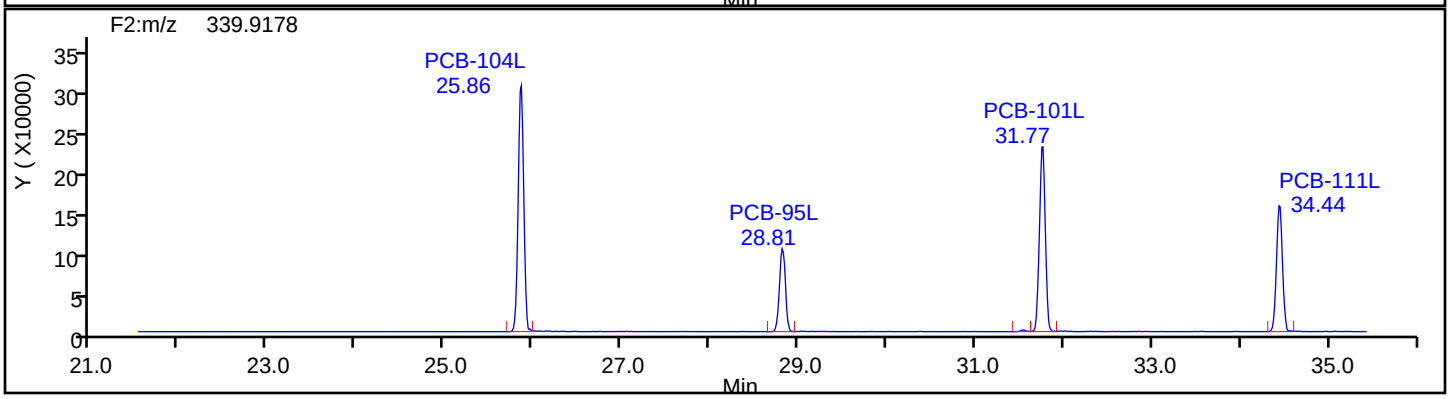
PePCB F2




PePCB F2 Standards

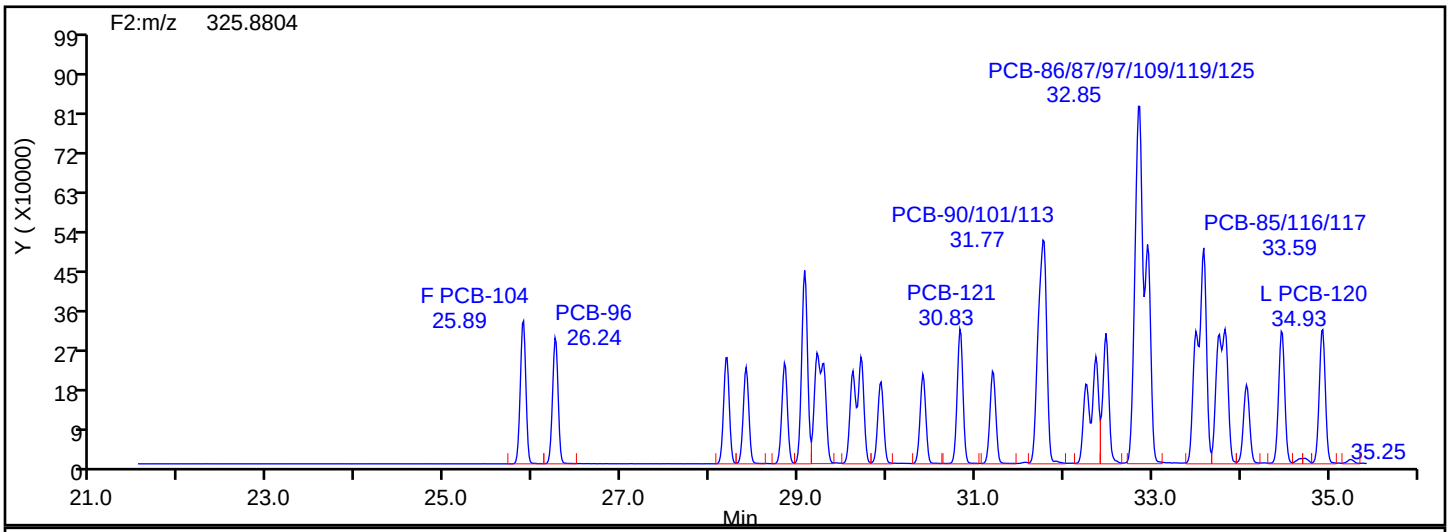


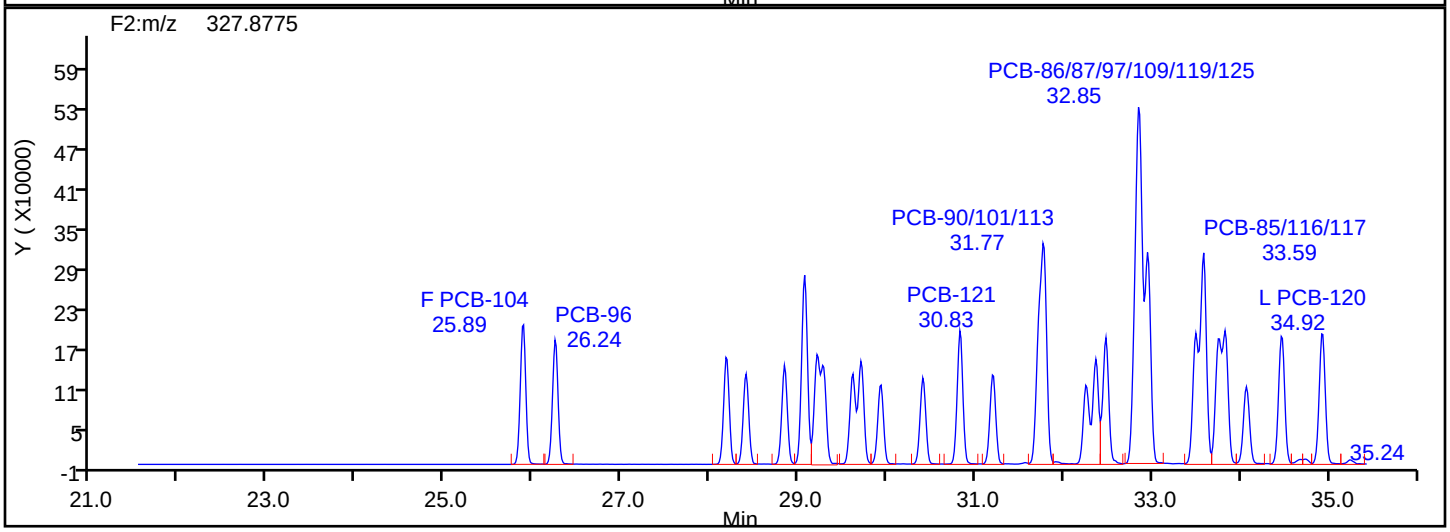



Eurofins TestAmerica, Knoxville

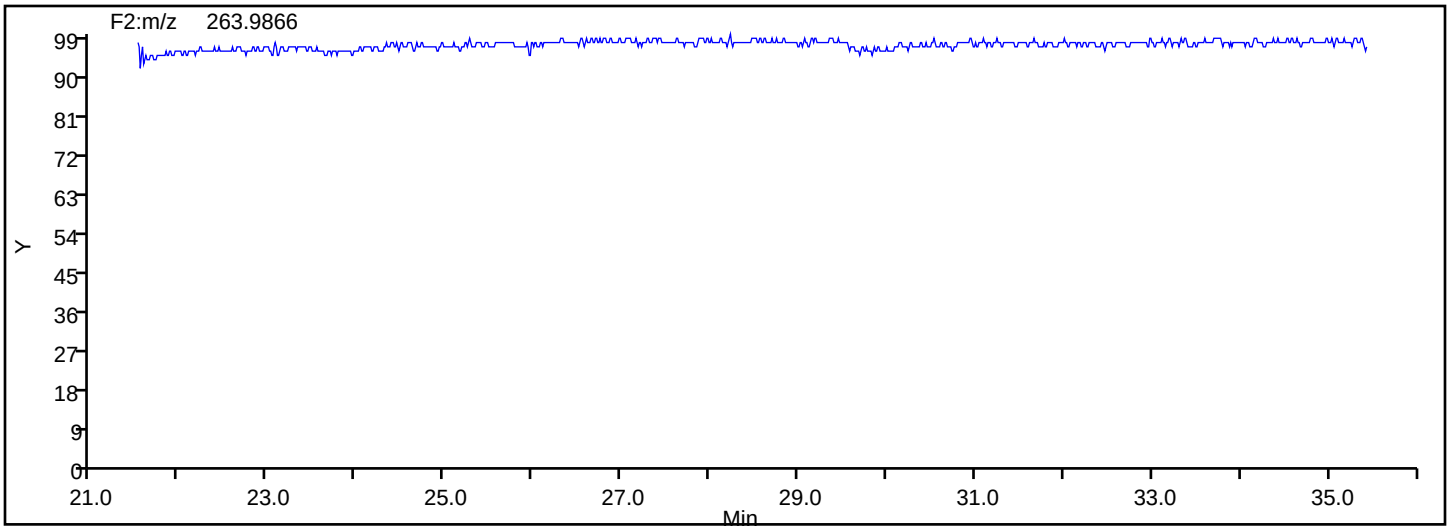
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

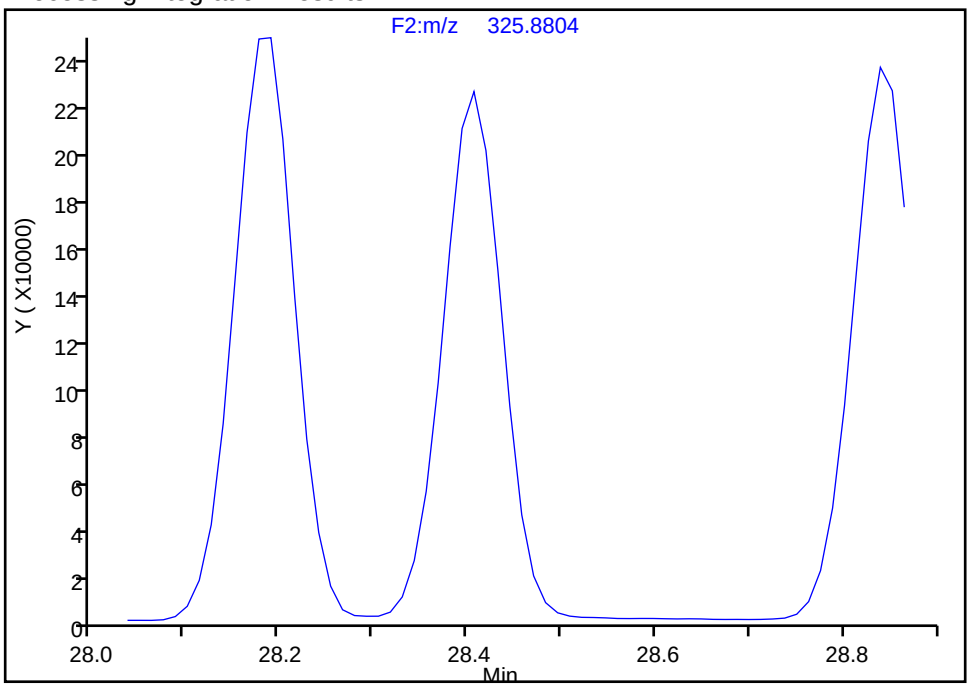
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-94, CAS: 73575-55-0

Signal: 1

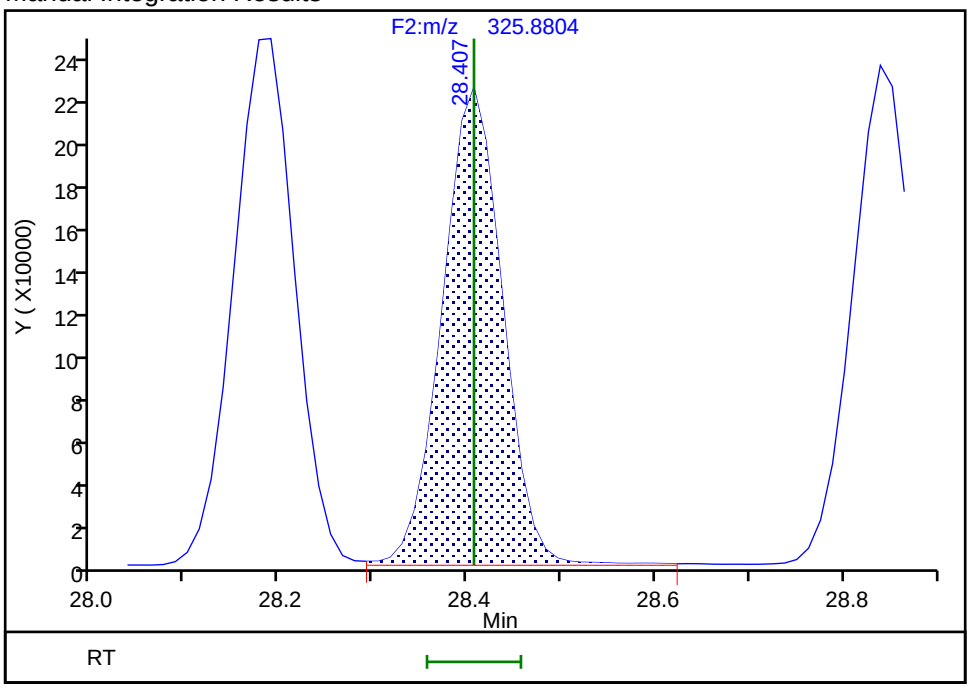
Not Detected
Expected RT: 28.41

Processing Integration Results




Manual Integration Results

RT: 28.41
Area: 985533
Amount: 50.022737
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:02:36
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

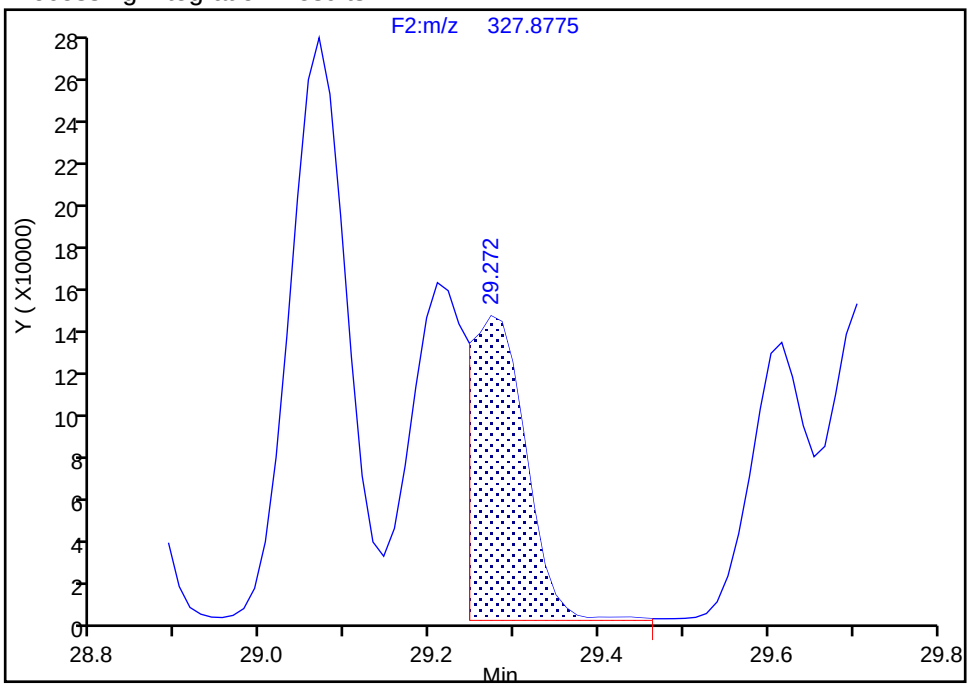
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 2

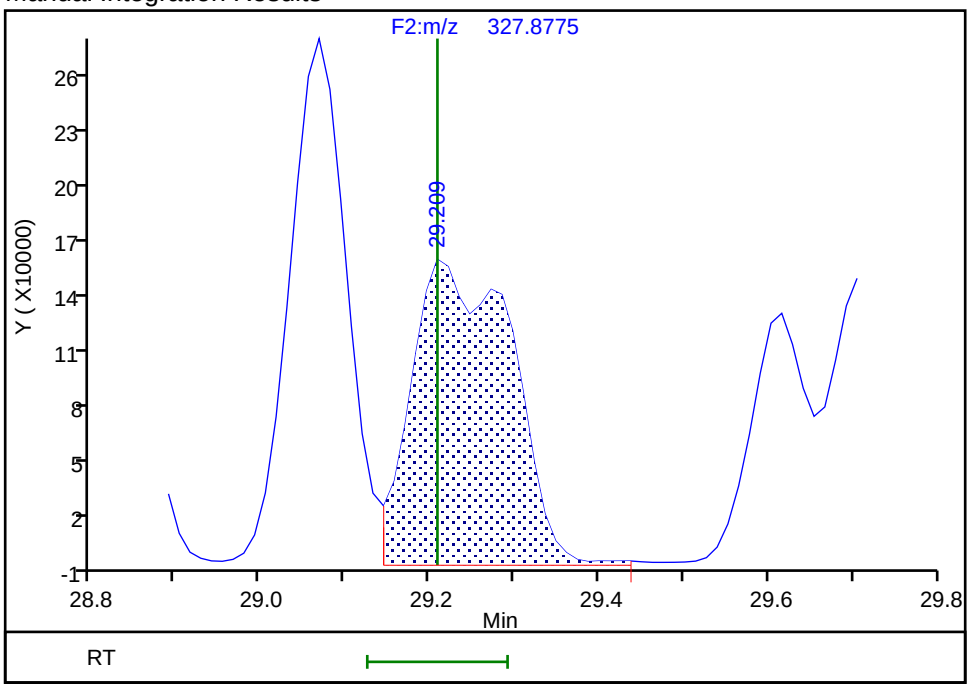
Processing Integration Results

RT: 29.27
Area: 623686
Amount: 46.673841
Amount Units: pg/ul




Manual Integration Results

RT: 29.21
Area: 1335885
Amount: 98.665958
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:02:58
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

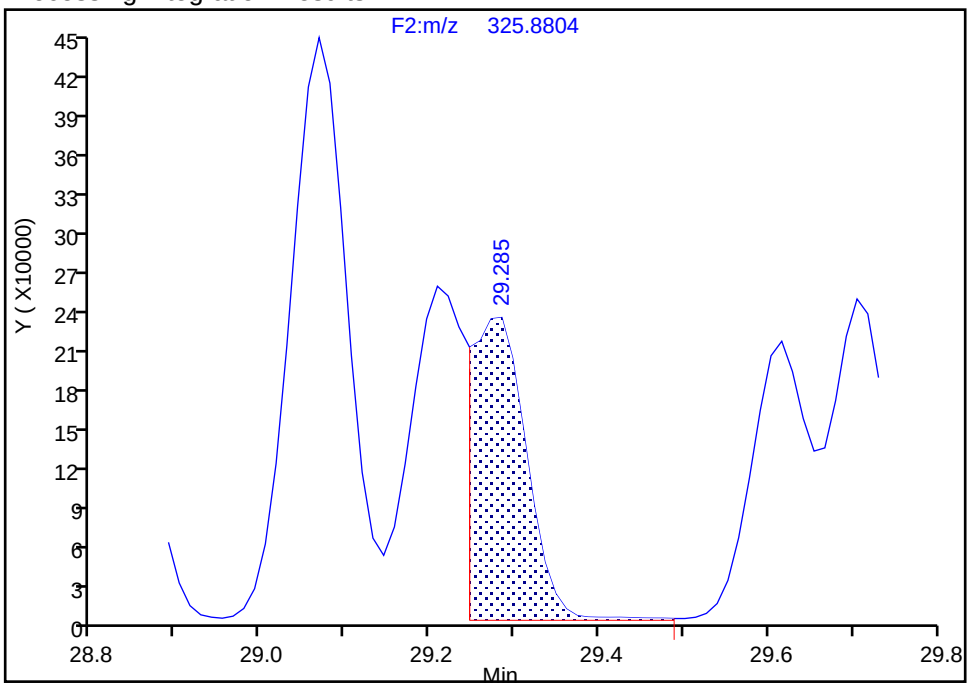
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

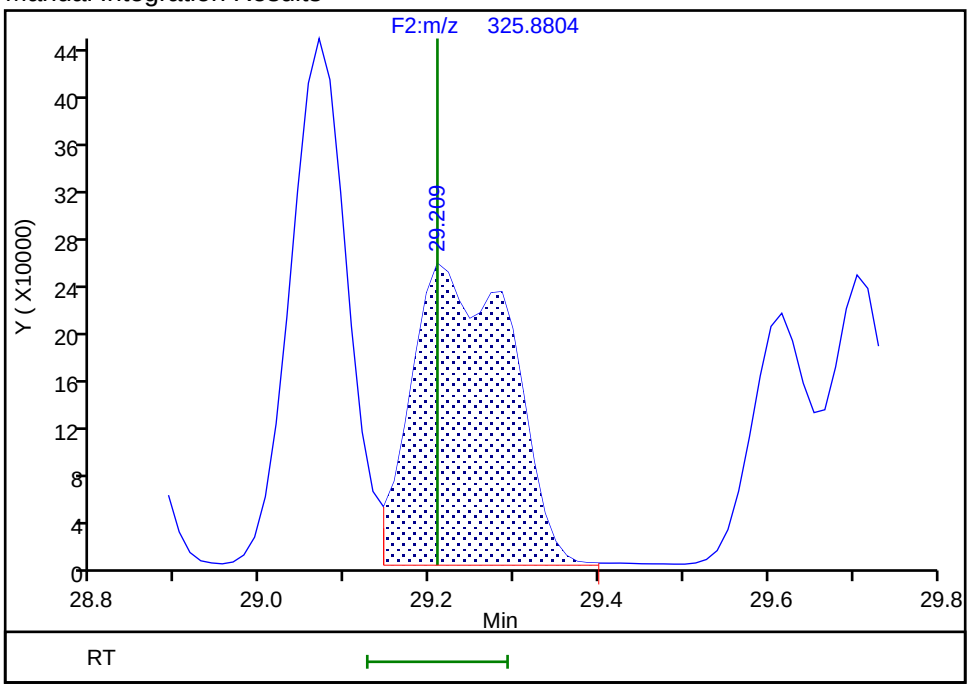
Processing Integration Results

RT: 29.28
Area: 991972
Amount: 46.673841
Amount Units: pg/ul




Manual Integration Results

RT: 29.21
Area: 2079528
Amount: 98.665958
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:03:01
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

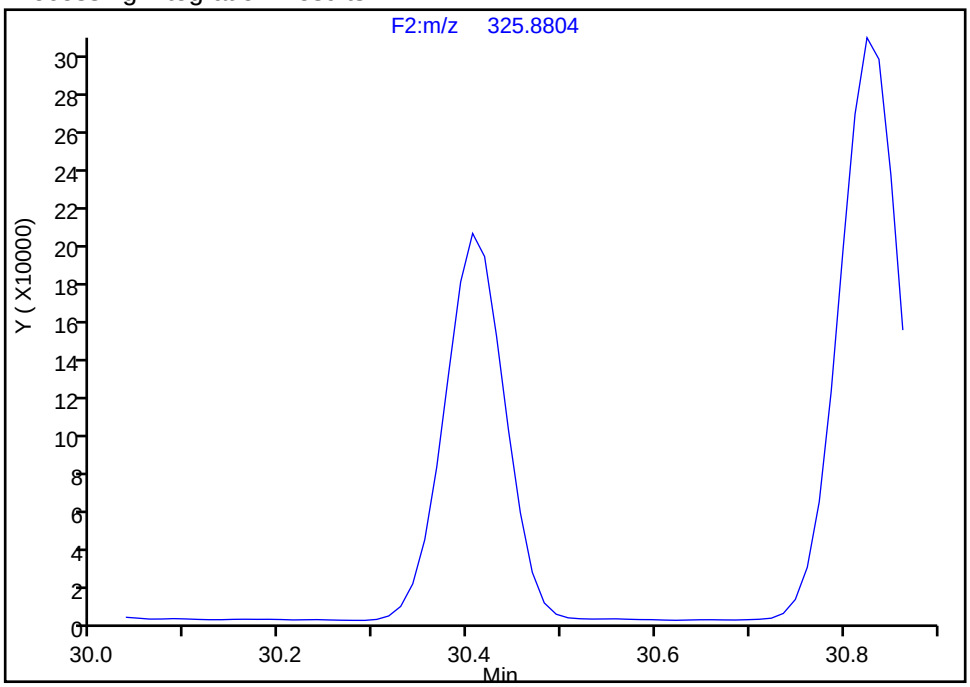
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-89, CAS: 73575-57-2

Signal: 1

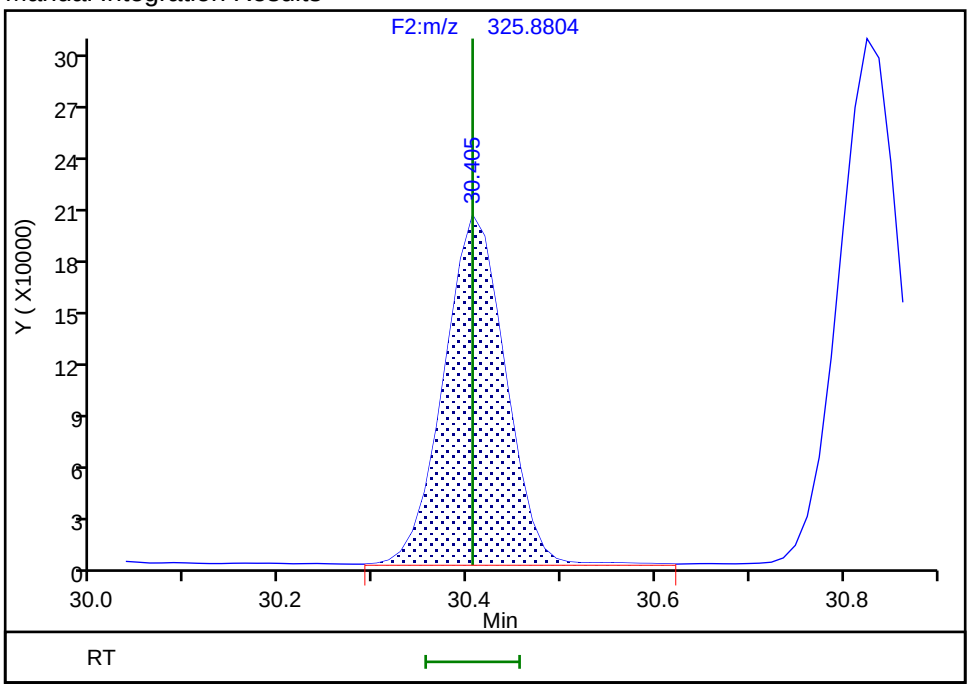
Not Detected
Expected RT: 30.41

Processing Integration Results




Manual Integration Results

RT: 30.41
Area: 935942
Amount: 48.734871
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:03:10
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

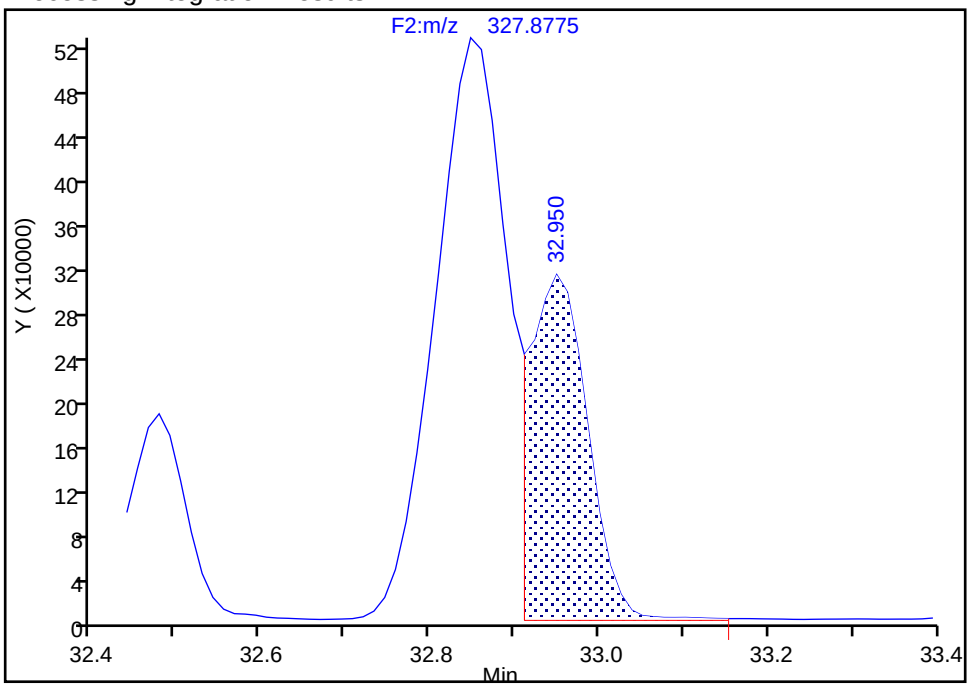
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

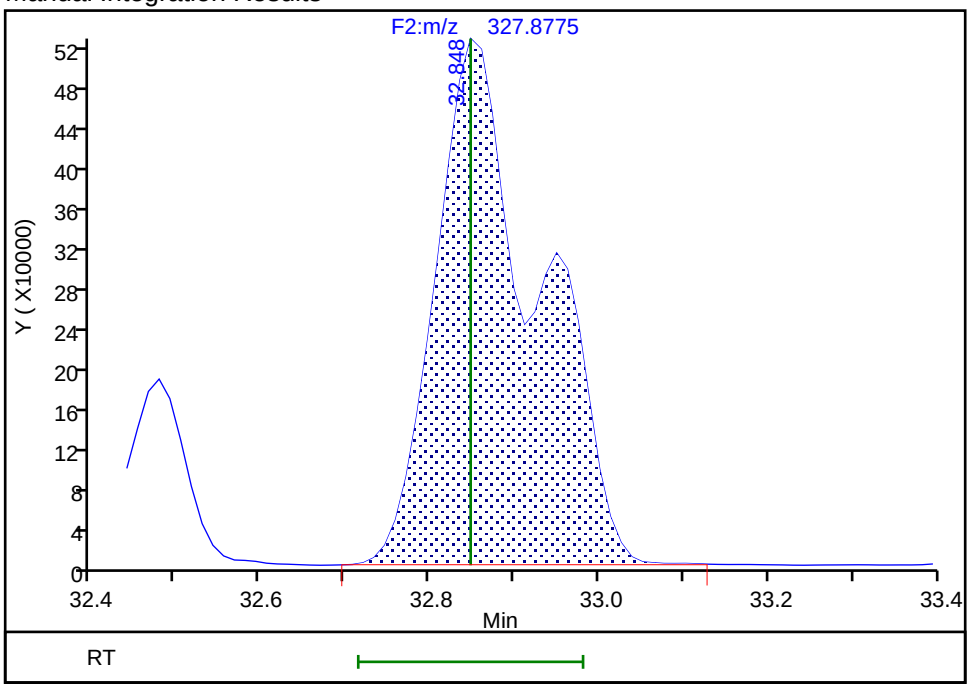
Processing Integration Results

RT: 32.95
Area: 1440518
Amount: 89.993489
Amount Units: pg/ul




Manual Integration Results

RT: 32.85
Area: 4456225
Amount: 275.7416
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:03:34

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

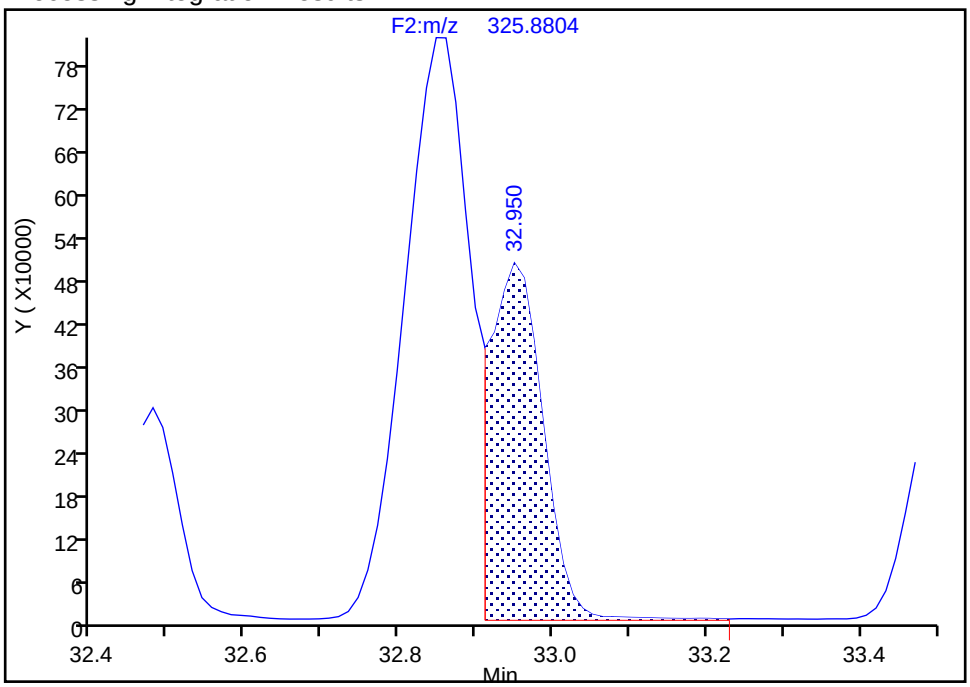
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

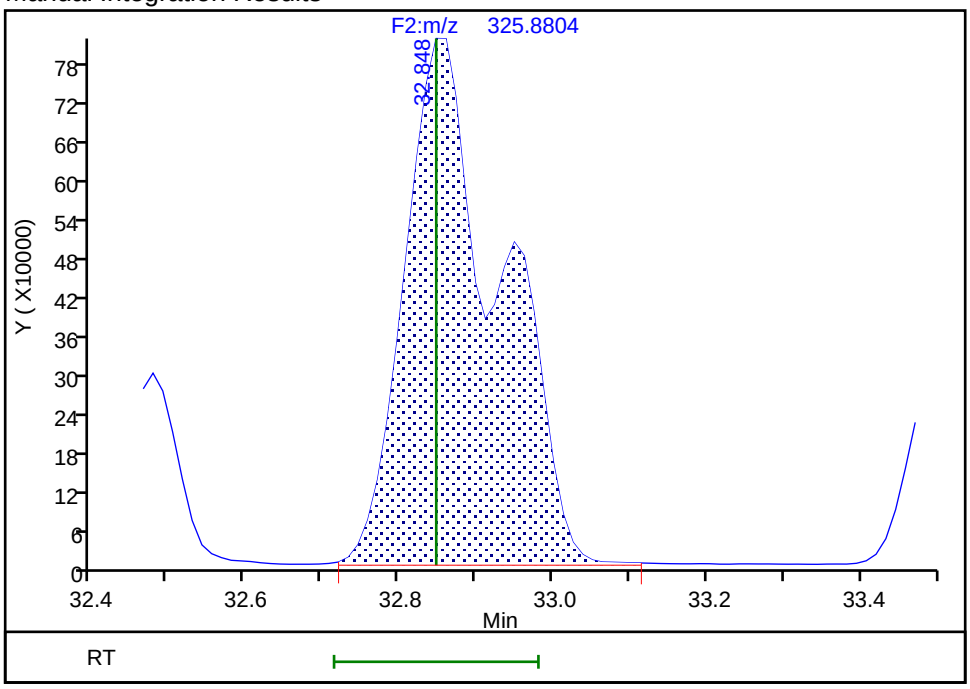
Processing Integration Results

RT: 32.95
Area: 2326719
Amount: 89.993489
Amount Units: pg/ul




Manual Integration Results

RT: 32.85
Area: 7086654
Amount: 275.7416
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:03:37
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

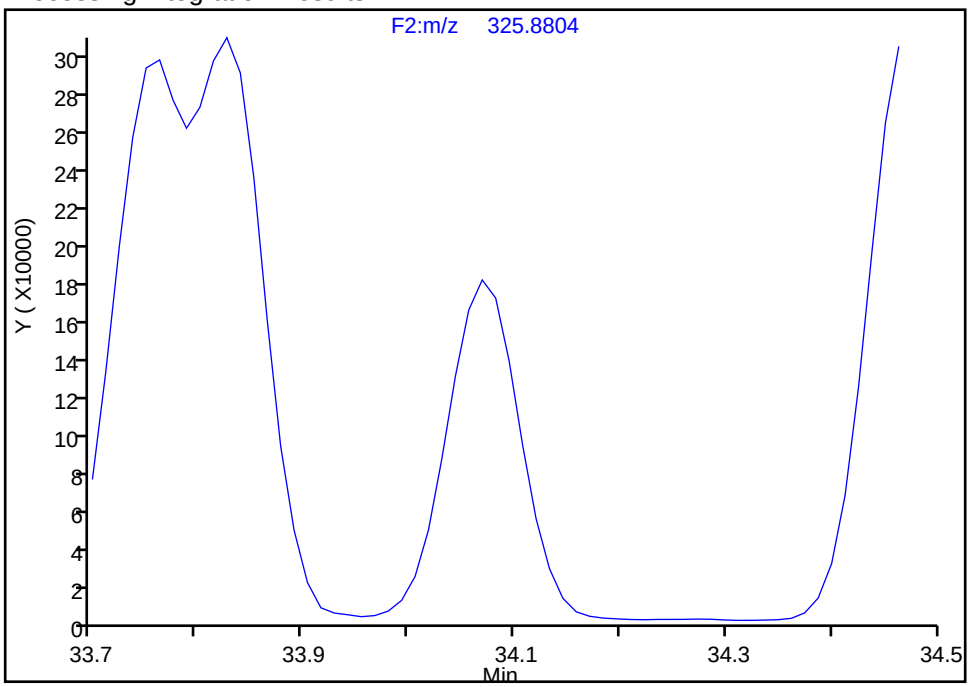
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-82, CAS: 52663-62-4

Signal: 1

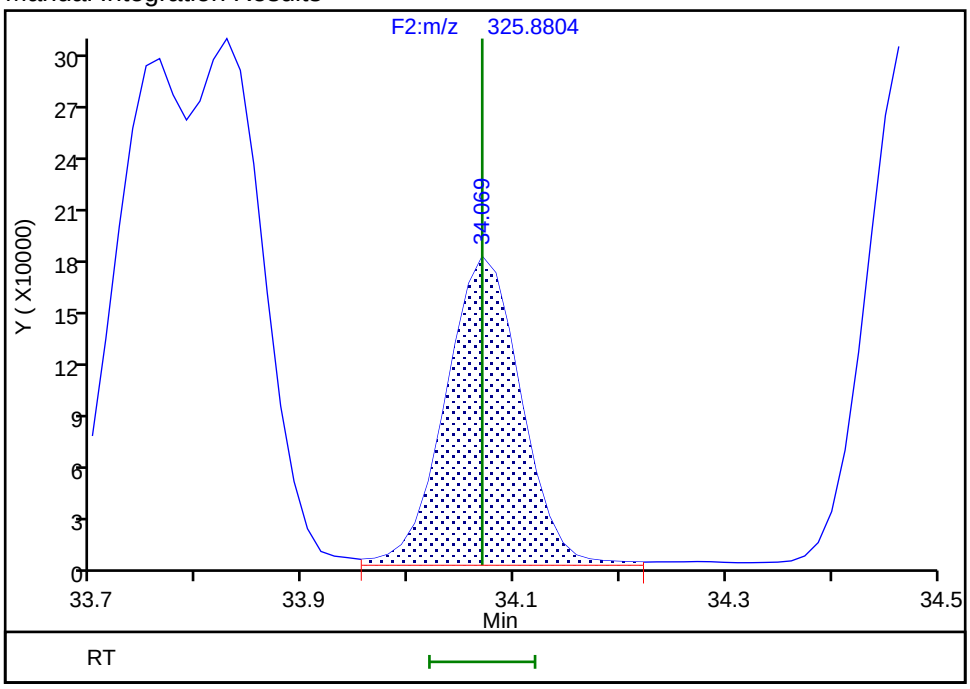
Not Detected
Expected RT: 34.07

Processing Integration Results




Manual Integration Results

RT: 34.07
Area: 897707
Amount: 48.372219
Amount Units: pg/ul

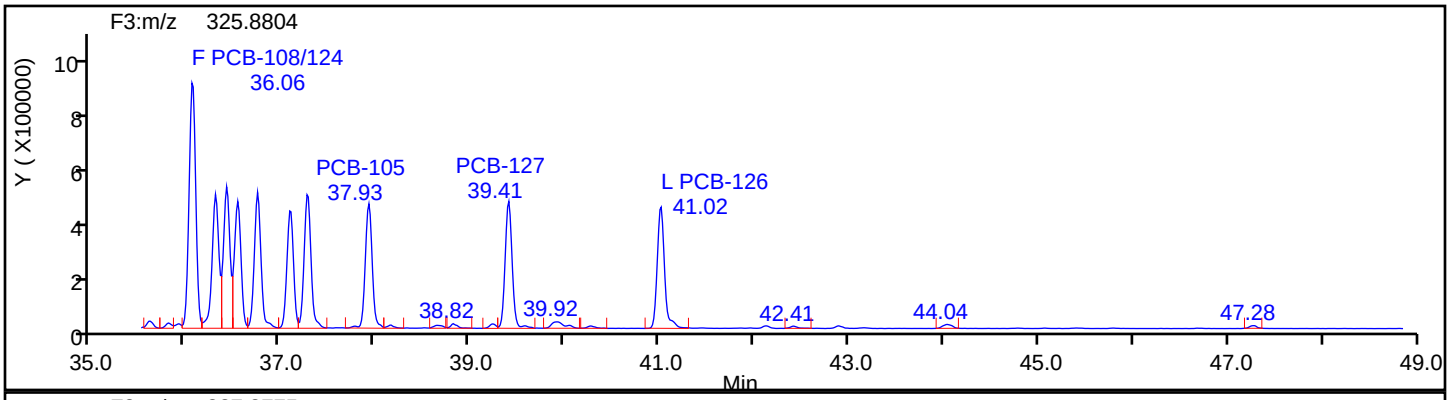


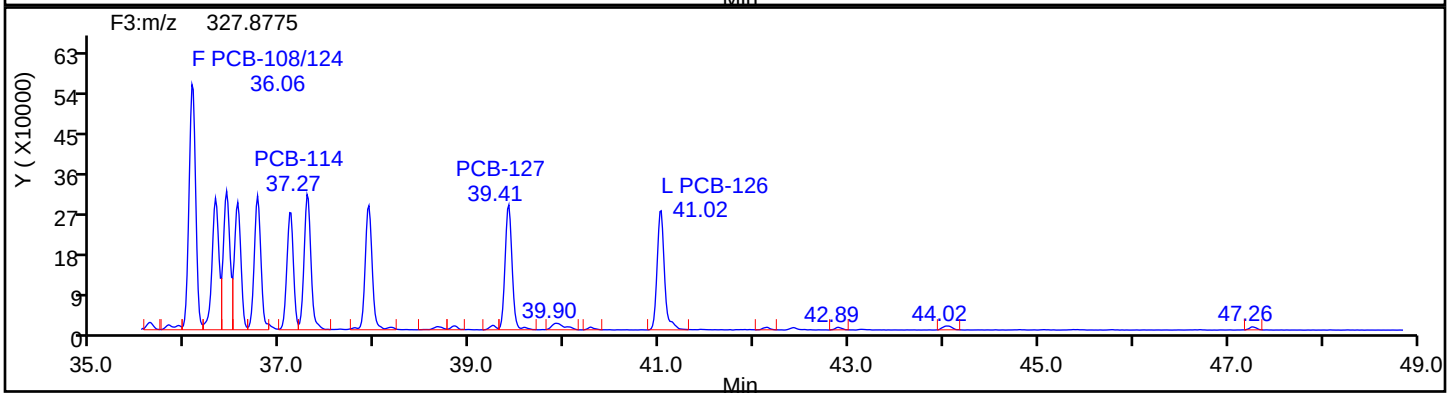

Reviewer: nordquistj, 11-Oct-2019 14:03:44
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

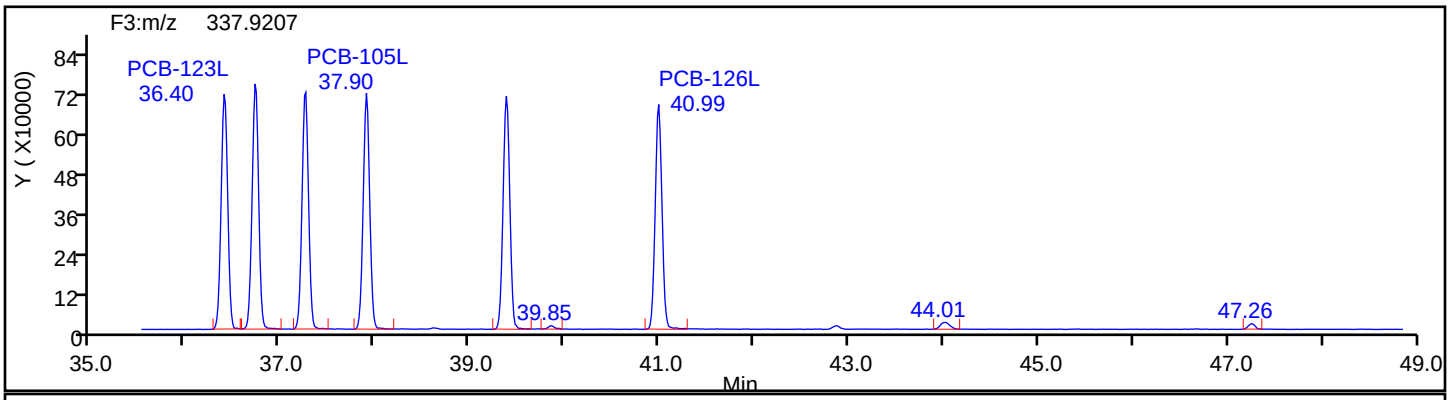
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

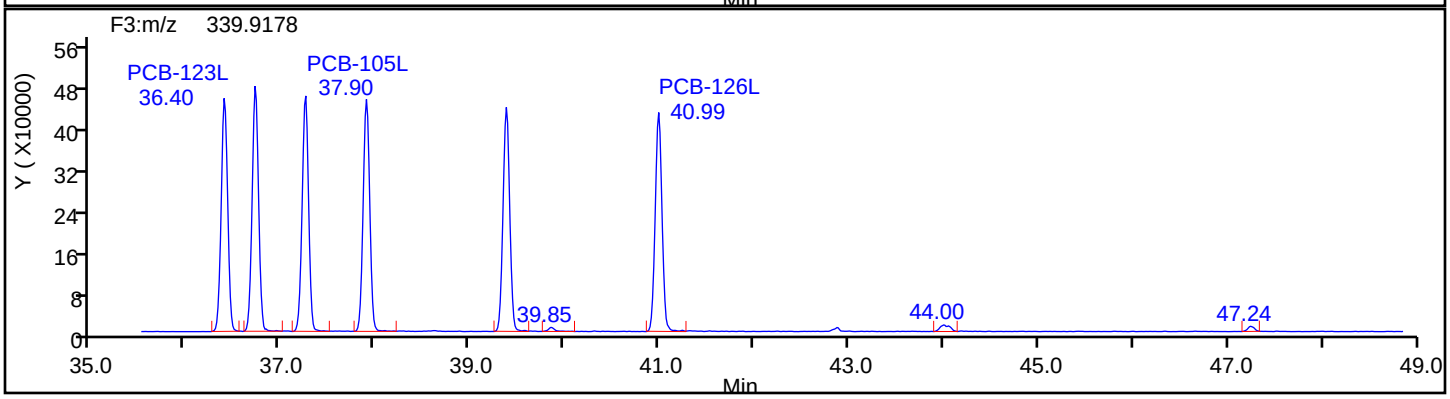
PePCB F3




PePCB F3 Standards

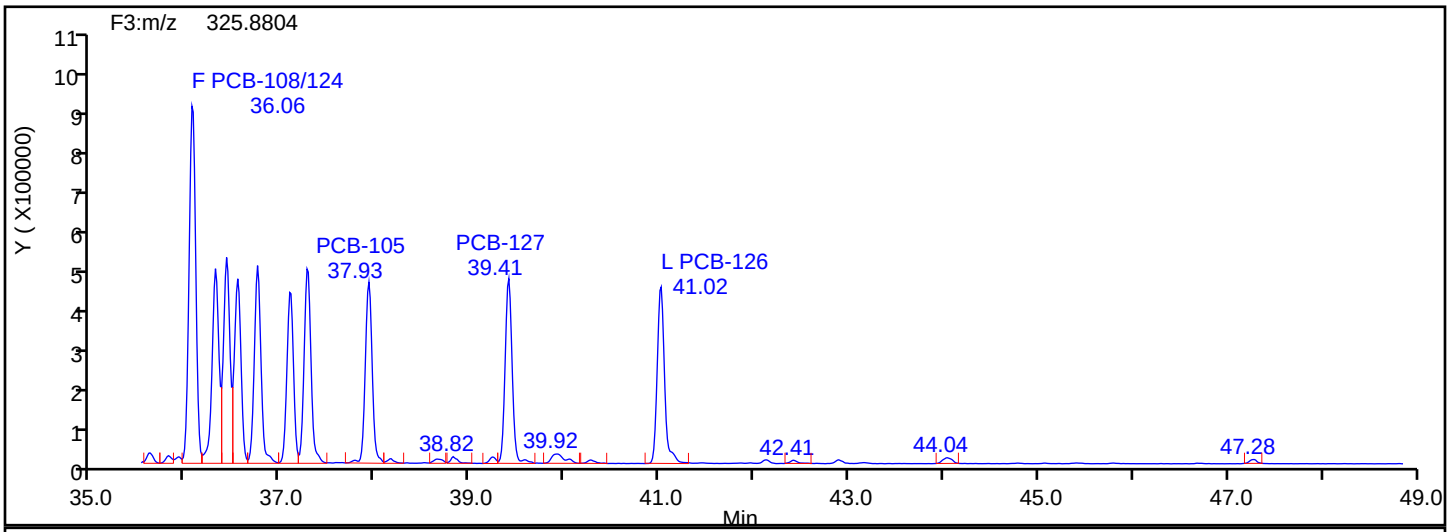


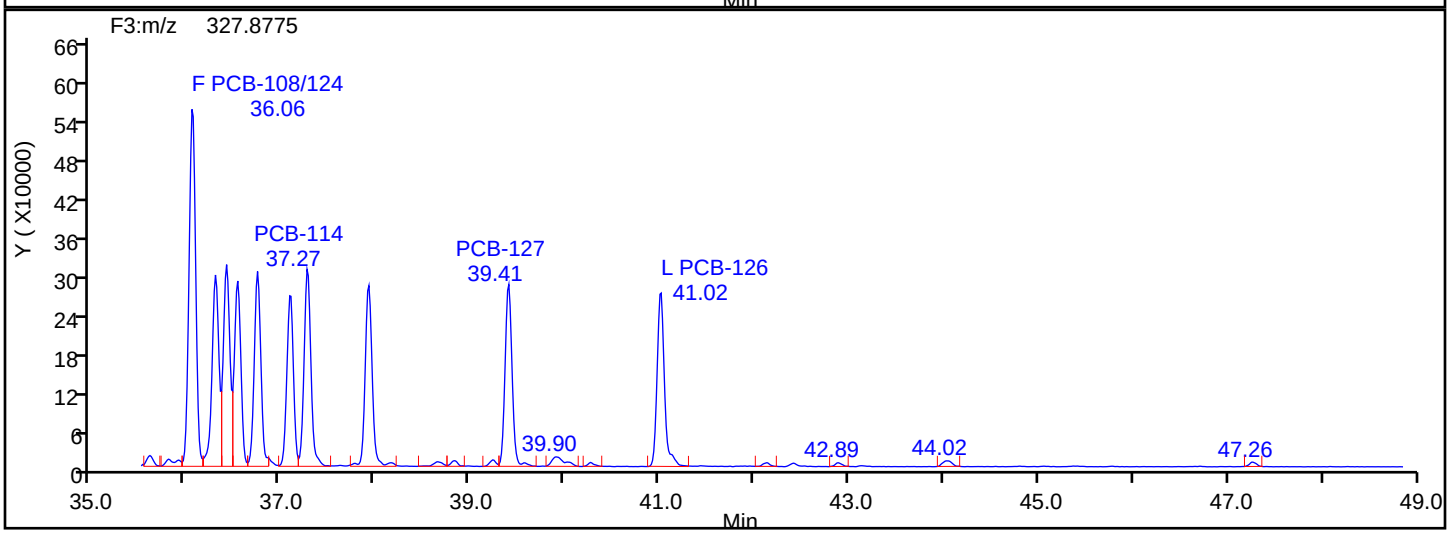



Eurofins TestAmerica, Knoxville

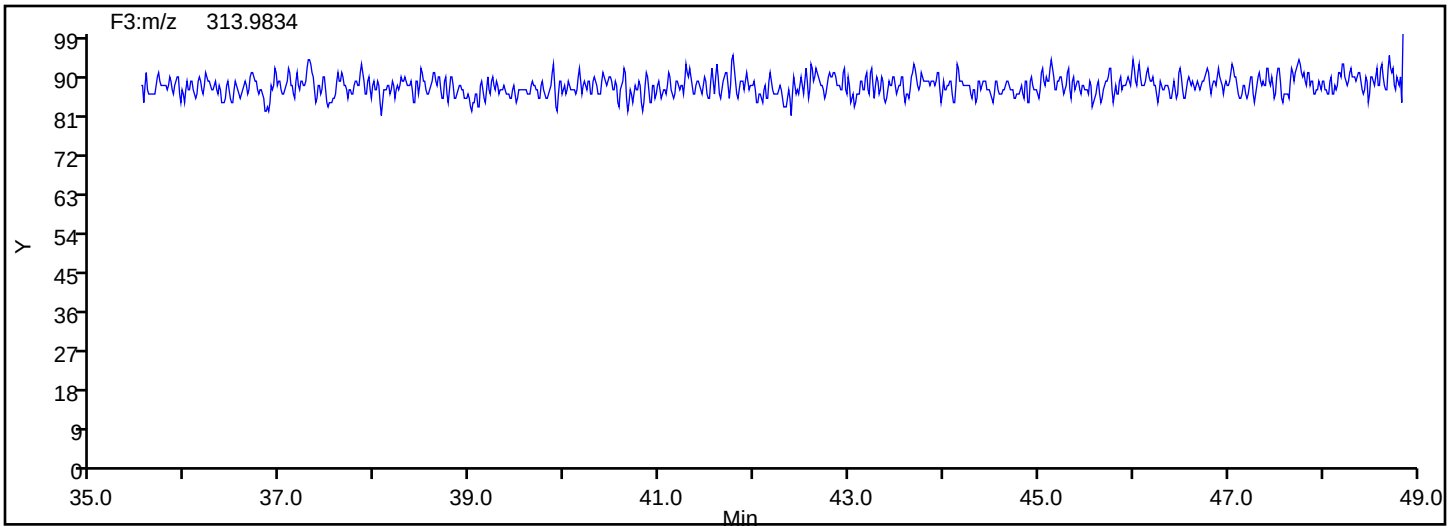
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



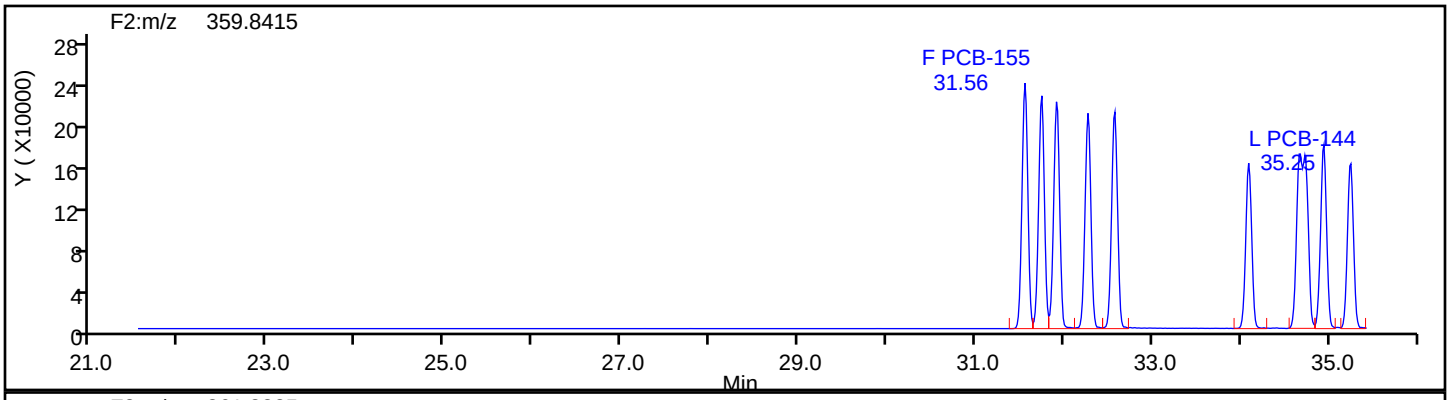

PePCB F3 Lock Mass

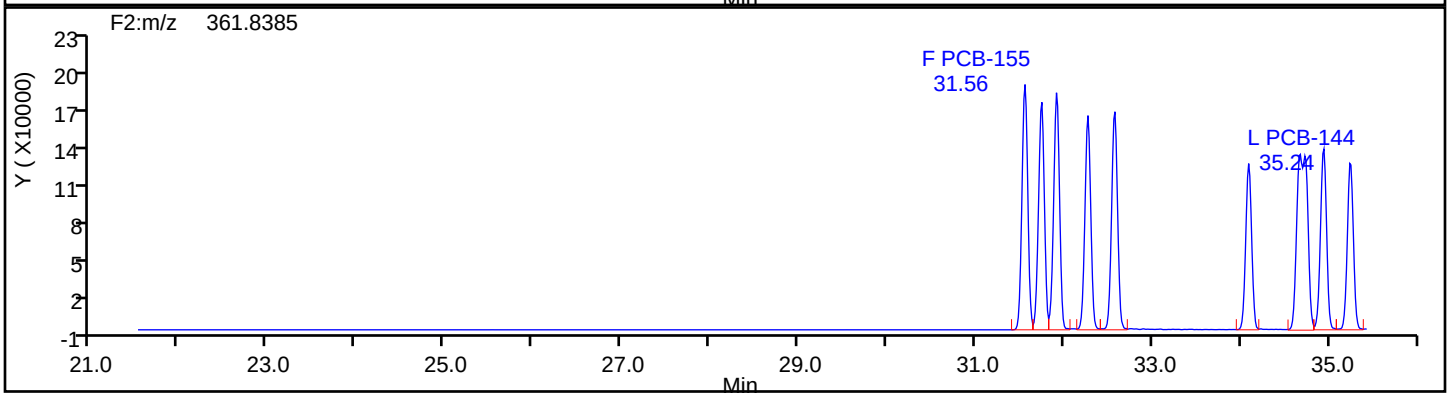


Eurofins TestAmerica, Knoxville

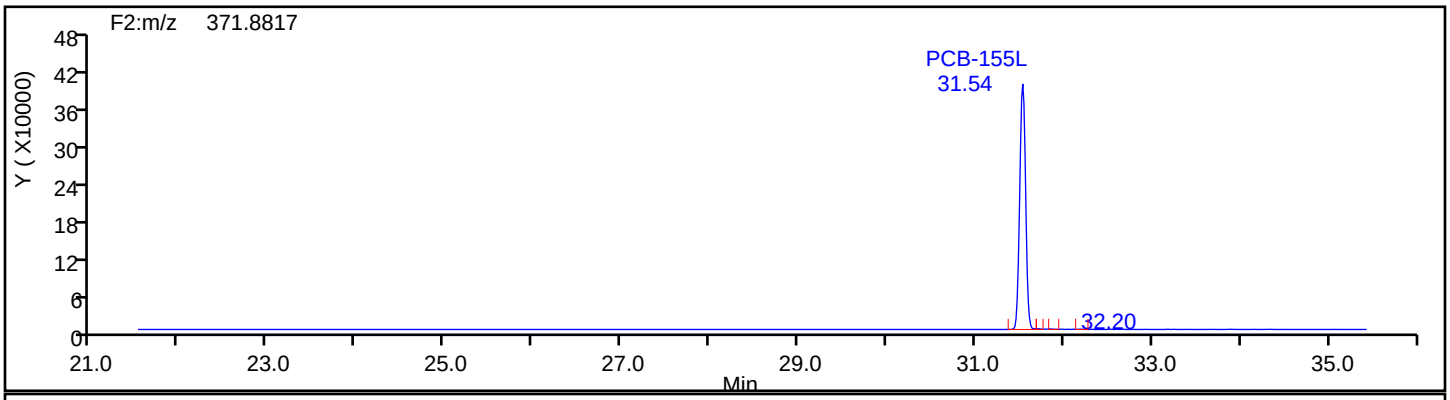
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

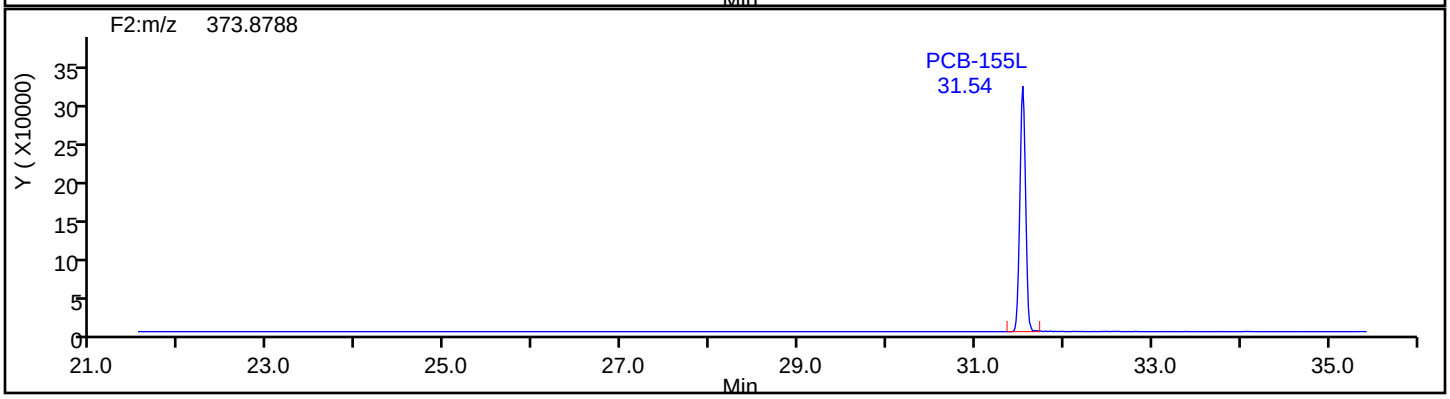
HxPCB F2




HxPCB F2 Standards

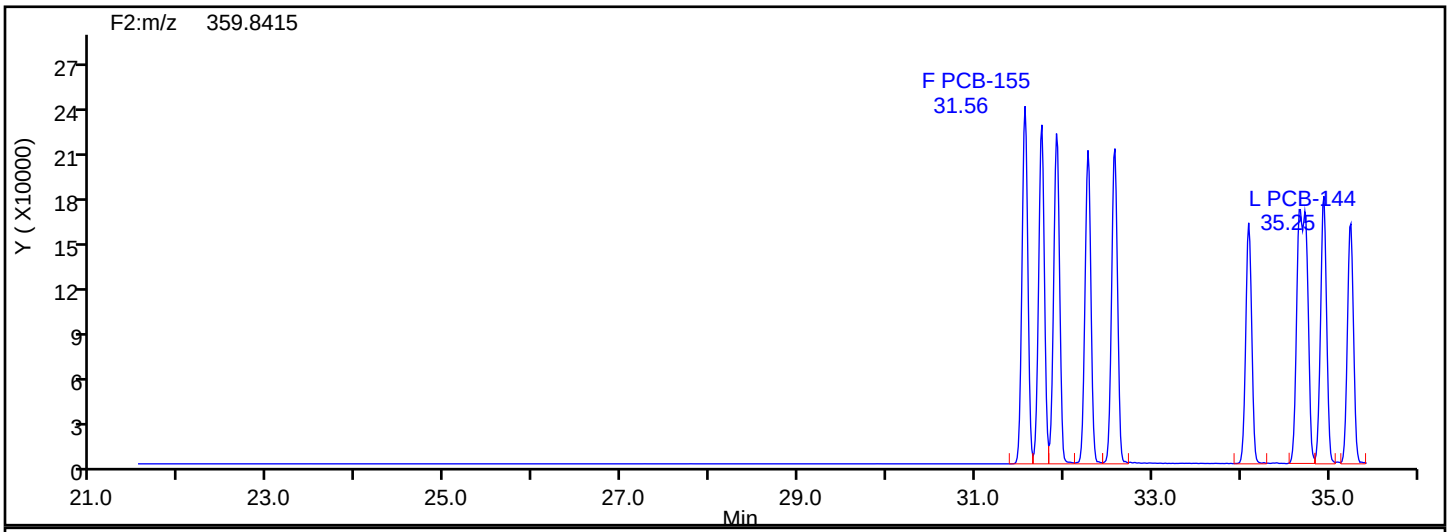


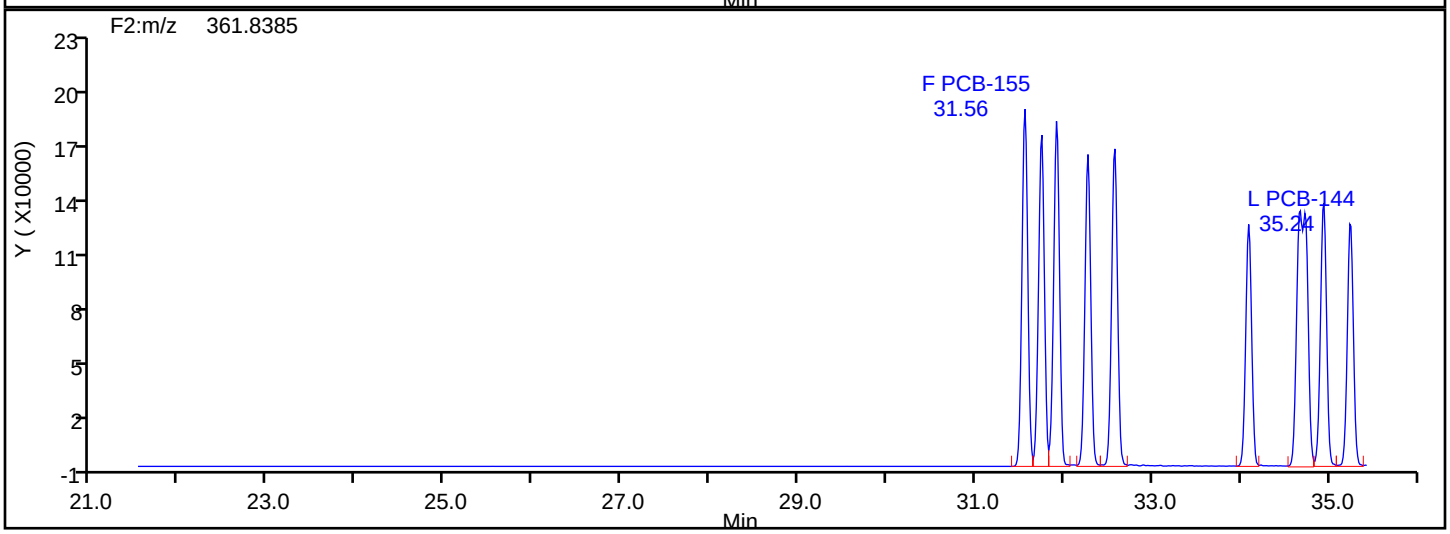



Eurofins TestAmerica, Knoxville

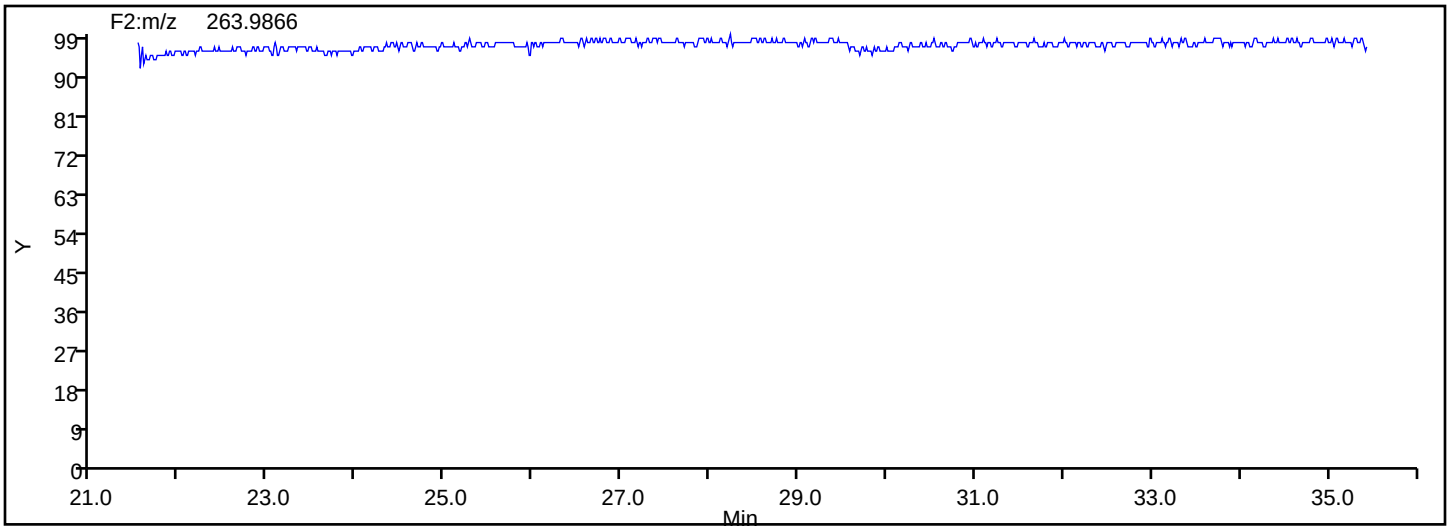
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

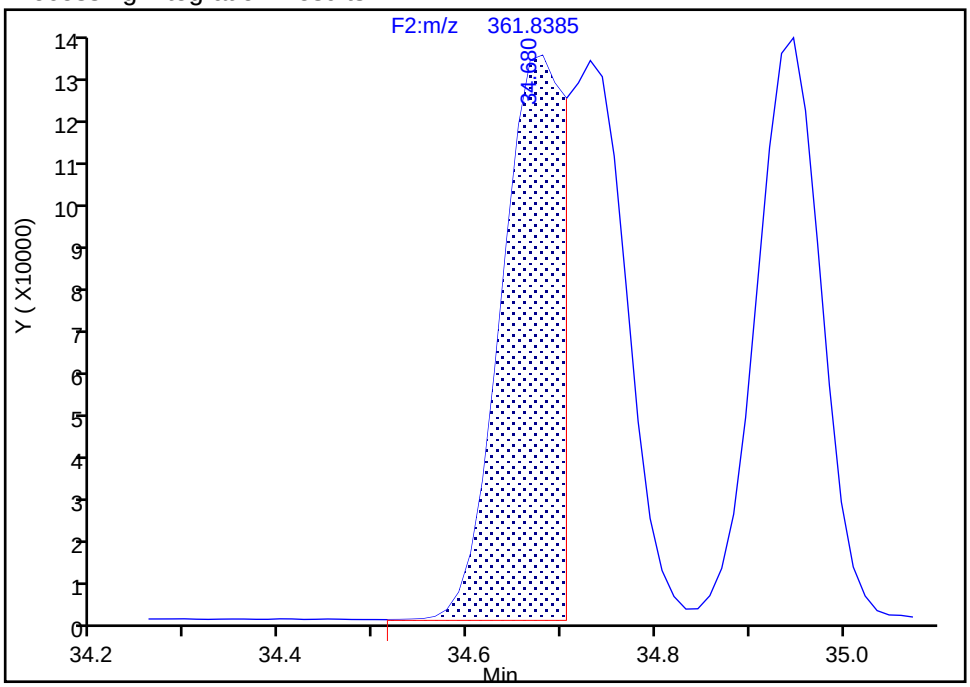
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

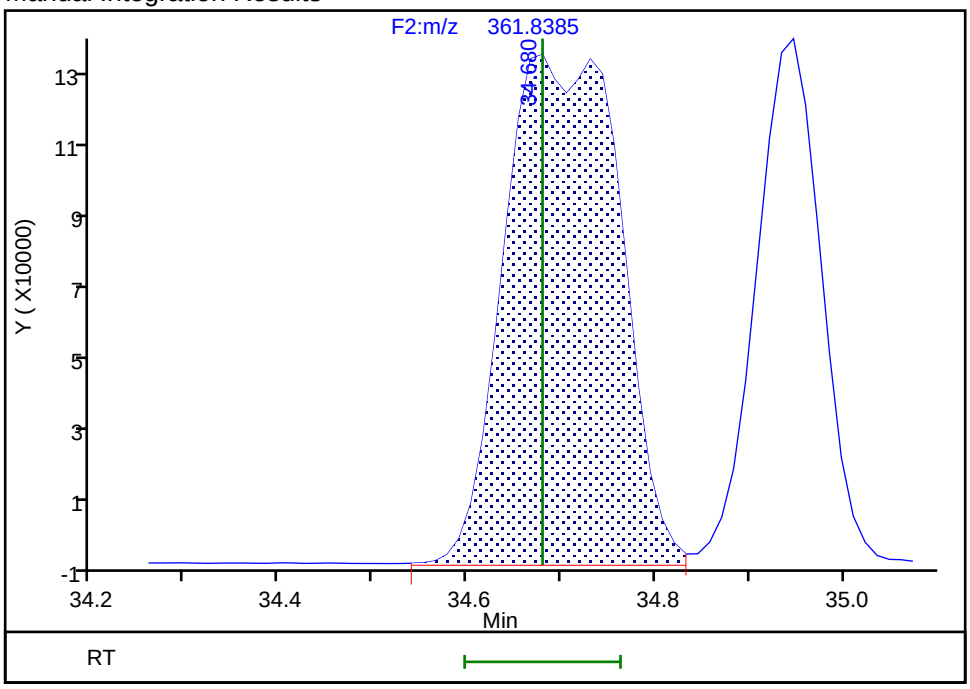
Processing Integration Results

RT: 34.68
Area: 597967
Amount: 46.711146
Amount Units: pg/ul




Manual Integration Results

RT: 34.68
Area: 1160469
Amount: 90.641880
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:04:20
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d

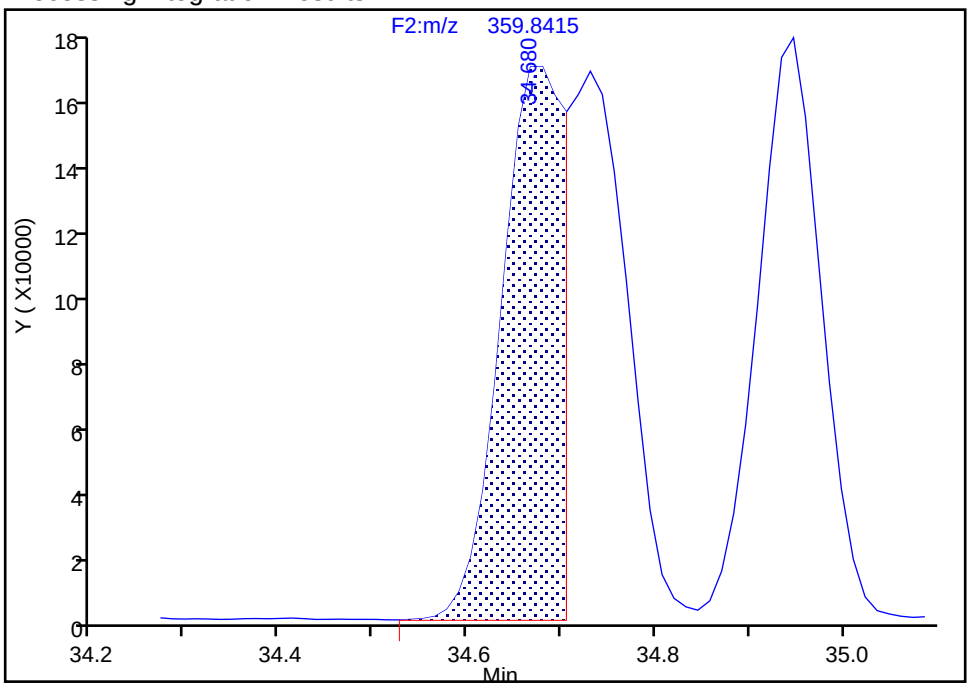
| | | | | | |
|---|---|---|---|---|---|
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

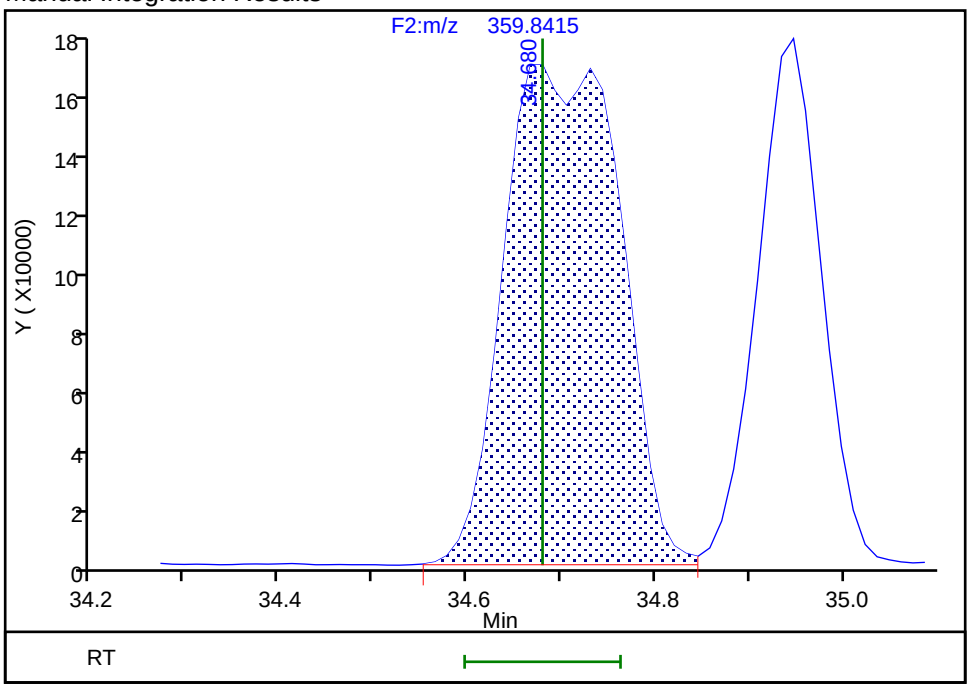
Processing Integration Results

RT: 34.68
Area: 752222
Amount: 46.711146
Amount Units: pg/ul




Manual Integration Results

RT: 34.68
Area: 1459541
Amount: 90.641880
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:04:23

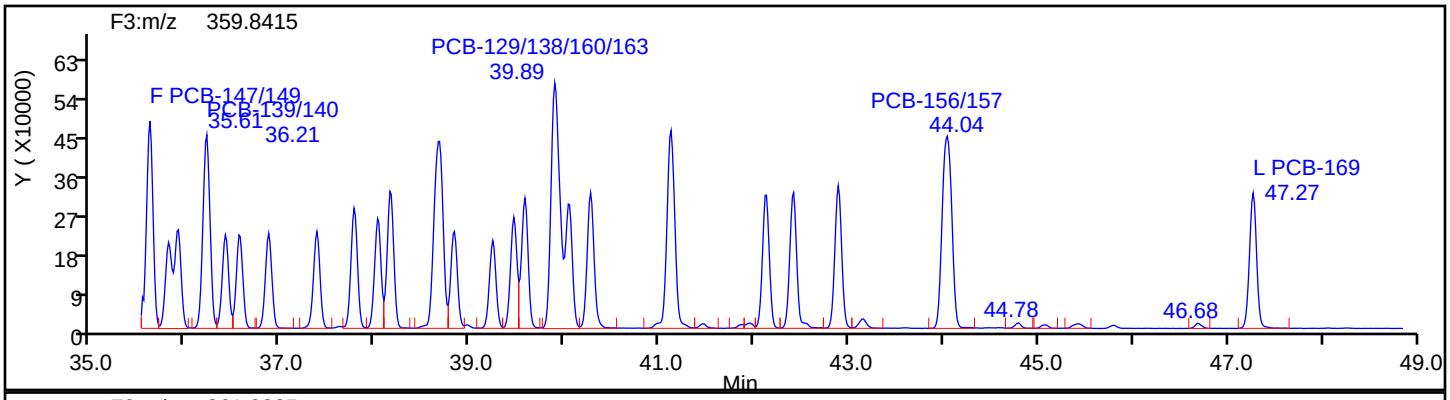
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

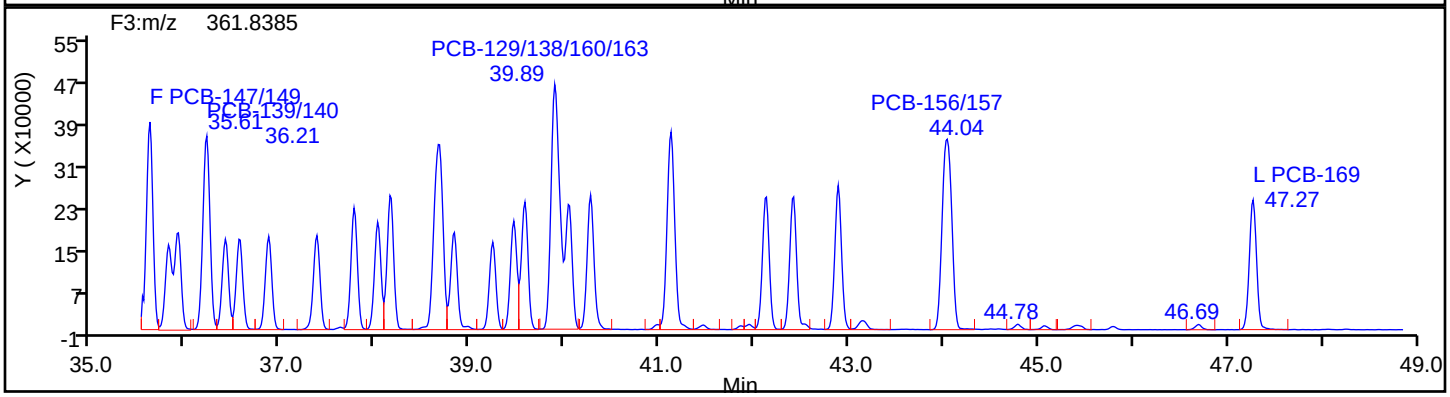
Report Date: 11-Oct-2019 14:08:58 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

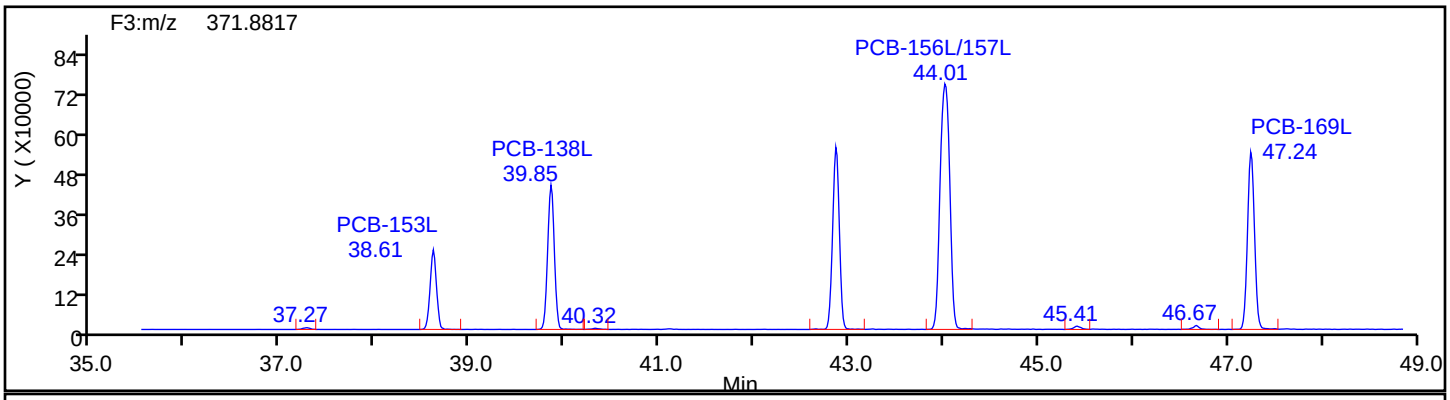
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

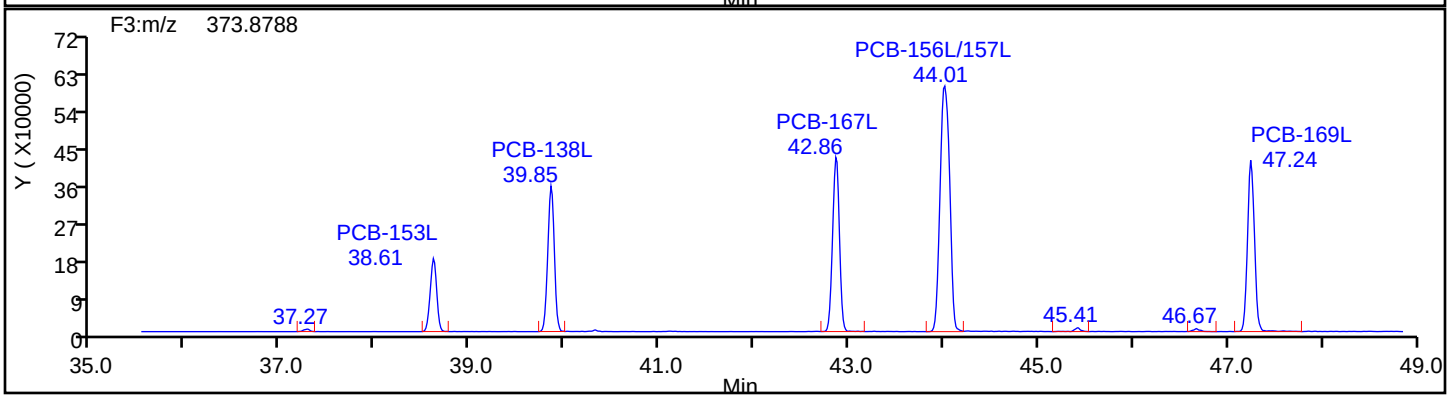
HxPCB F3




HxPCB F3 Standards

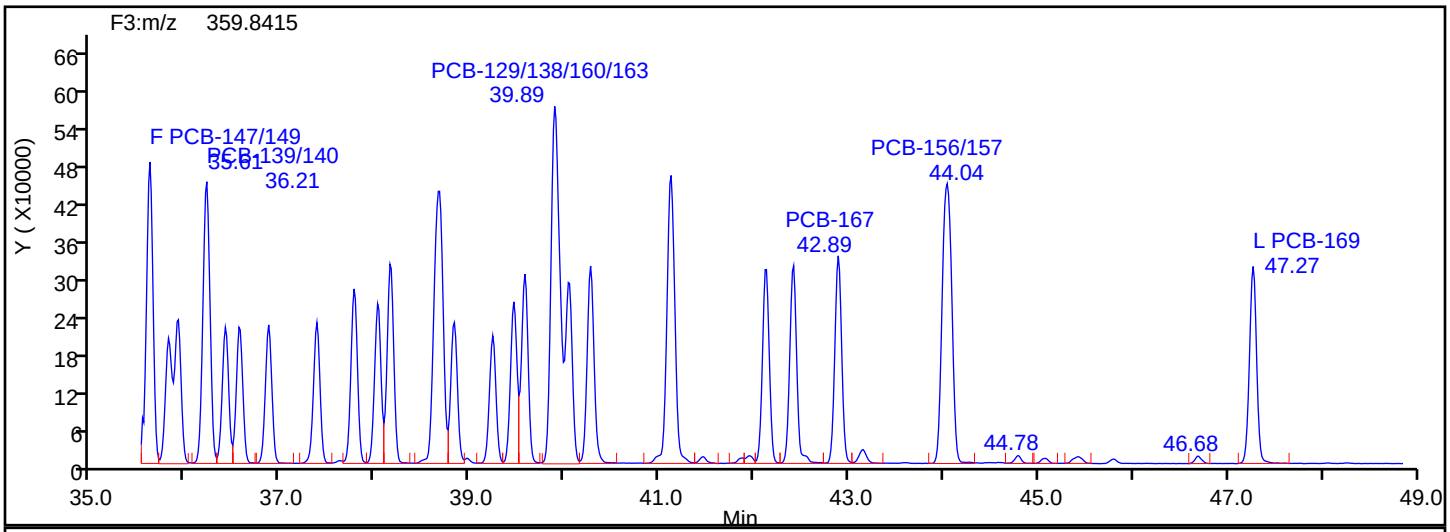


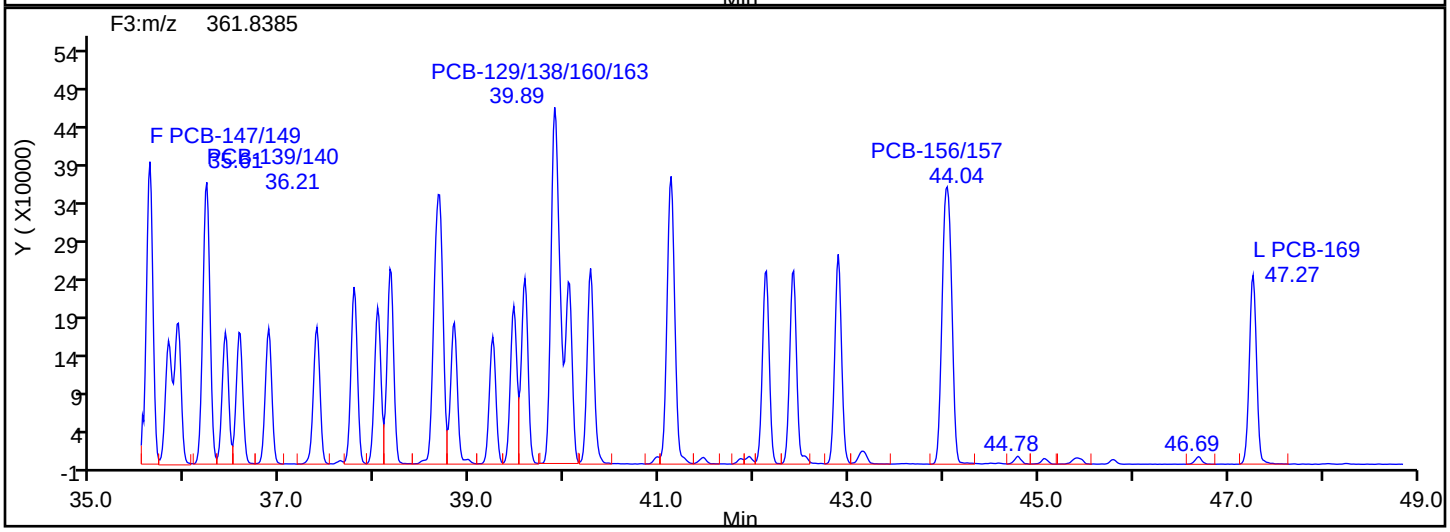



Eurofins TestAmerica, Knoxville

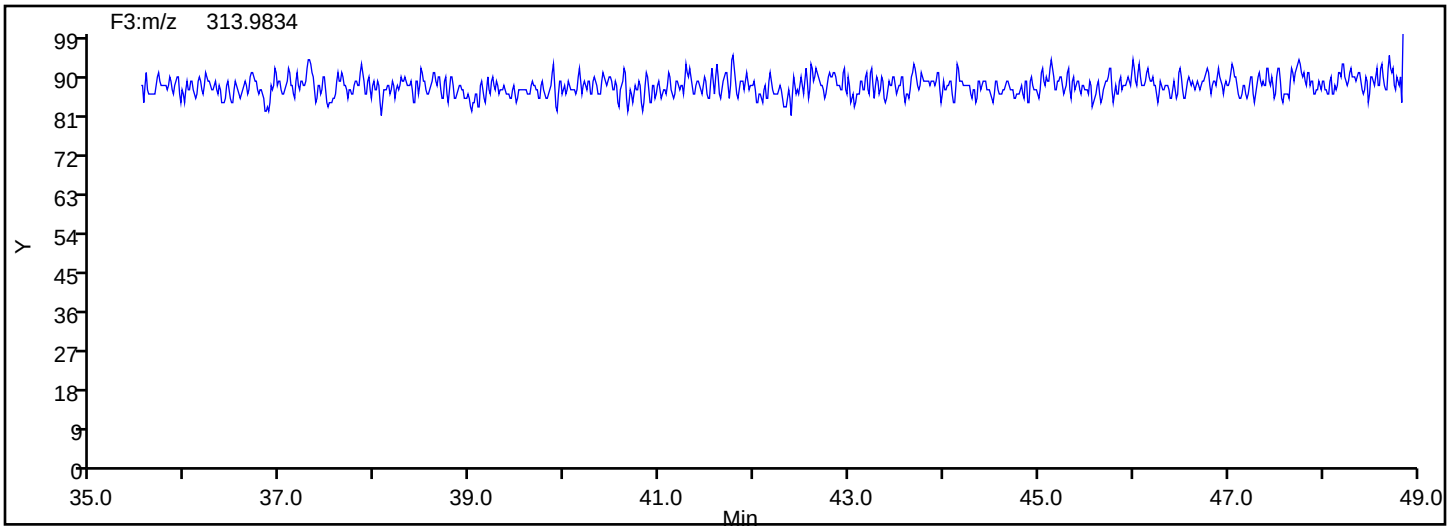
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

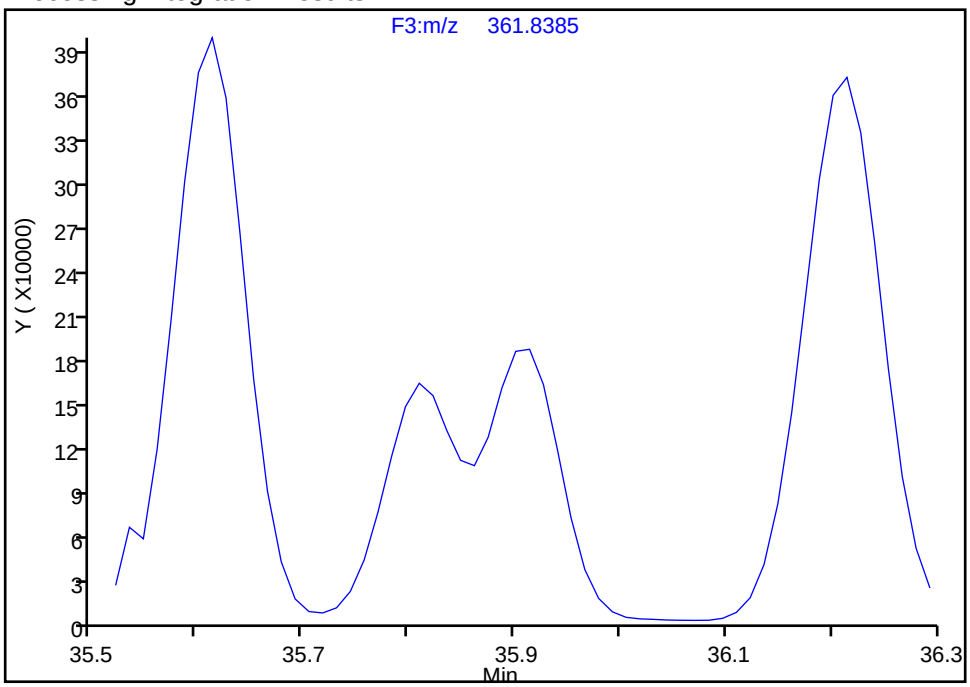
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-134/143, CAS: STL01818

Signal: 2

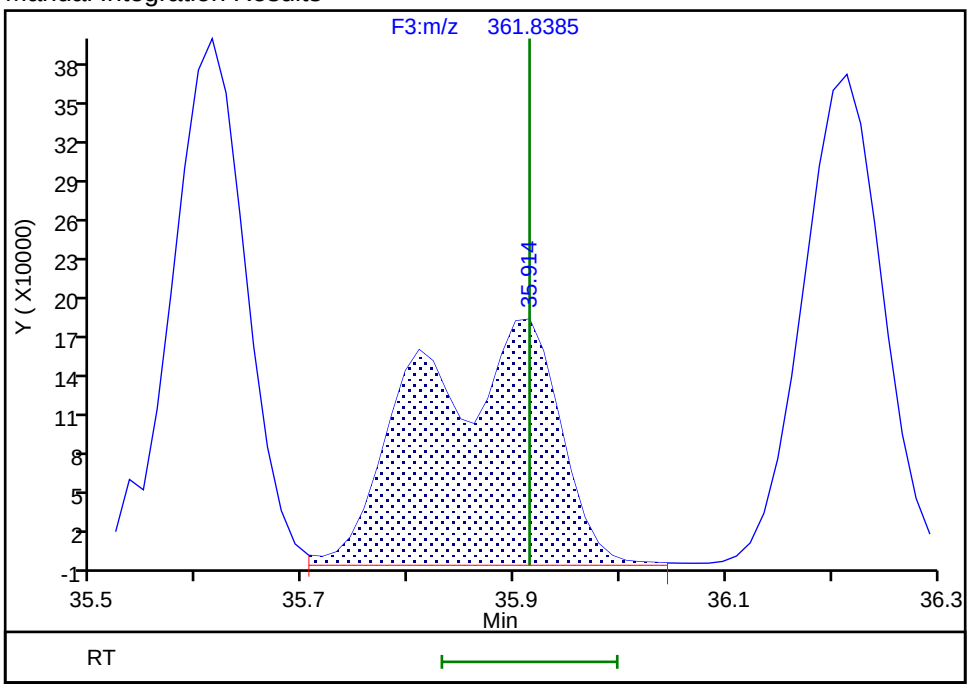
Not Detected
Expected RT: 35.91

Processing Integration Results




Manual Integration Results

RT: 35.91
Area: 1664057
Amount: 90.748680
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:04:48
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

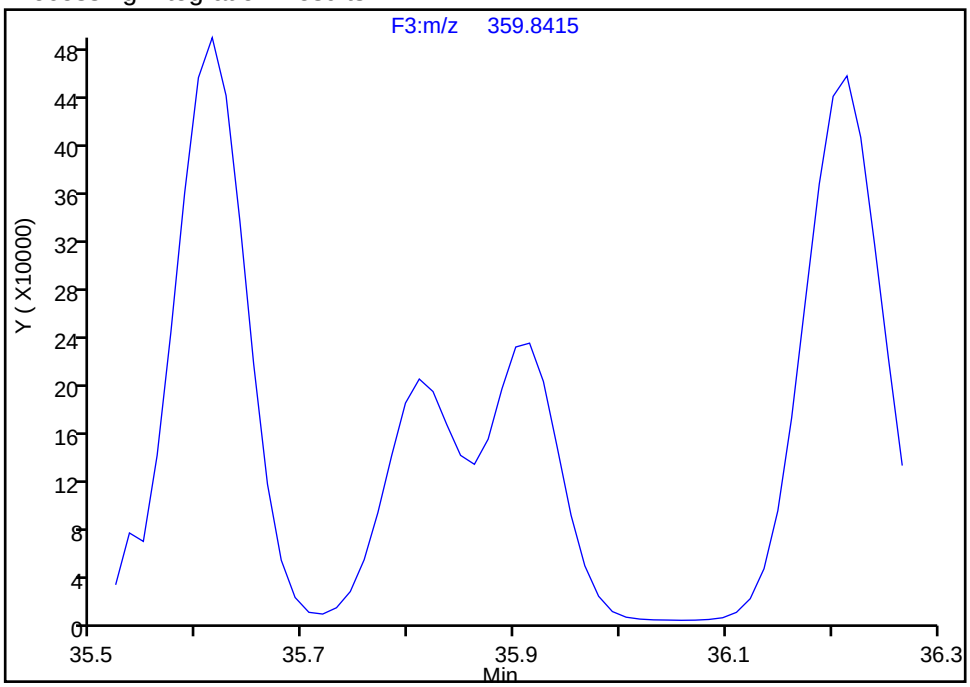
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-134/143, CAS: STL01818

Signal: 1

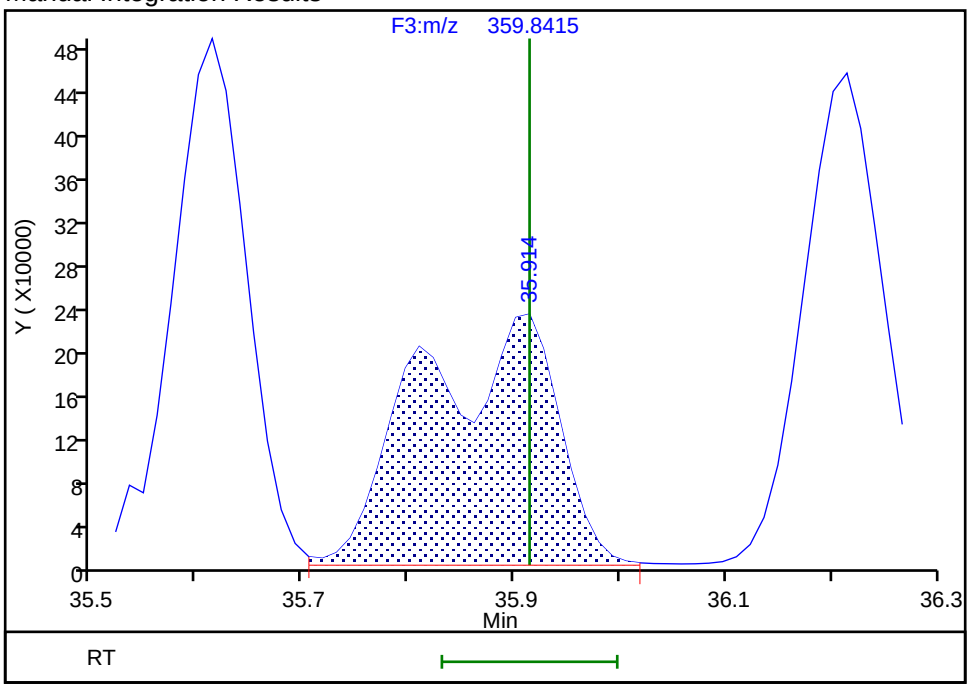
Not Detected
Expected RT: 35.91

Processing Integration Results




Manual Integration Results

RT: 35.91
Area: 2071900
Amount: 90.748680
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:05:07
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

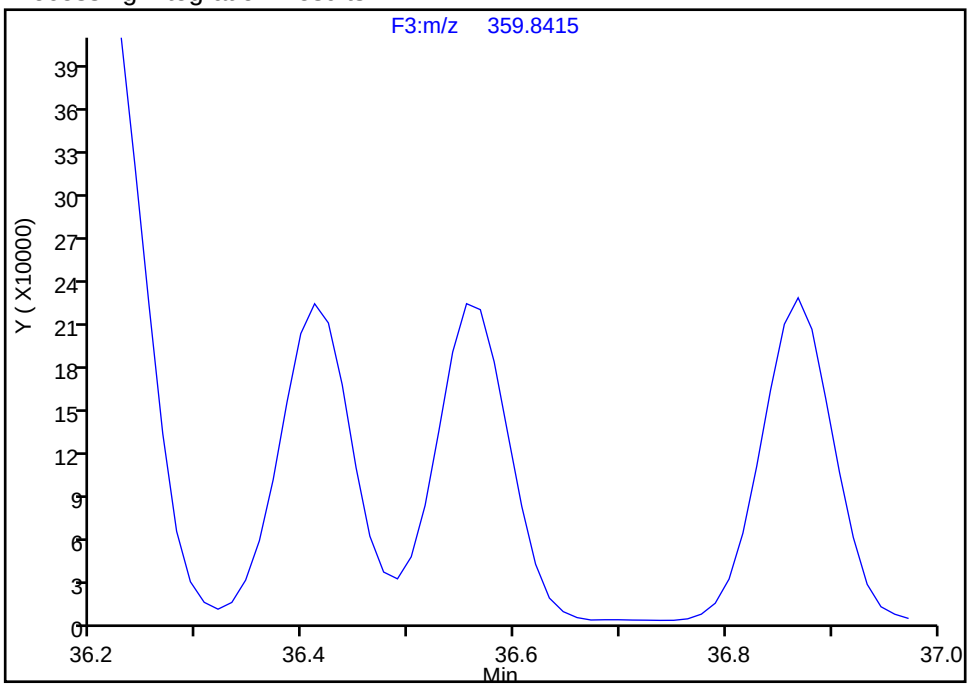
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-142, CAS: 41411-61-4

Signal: 1

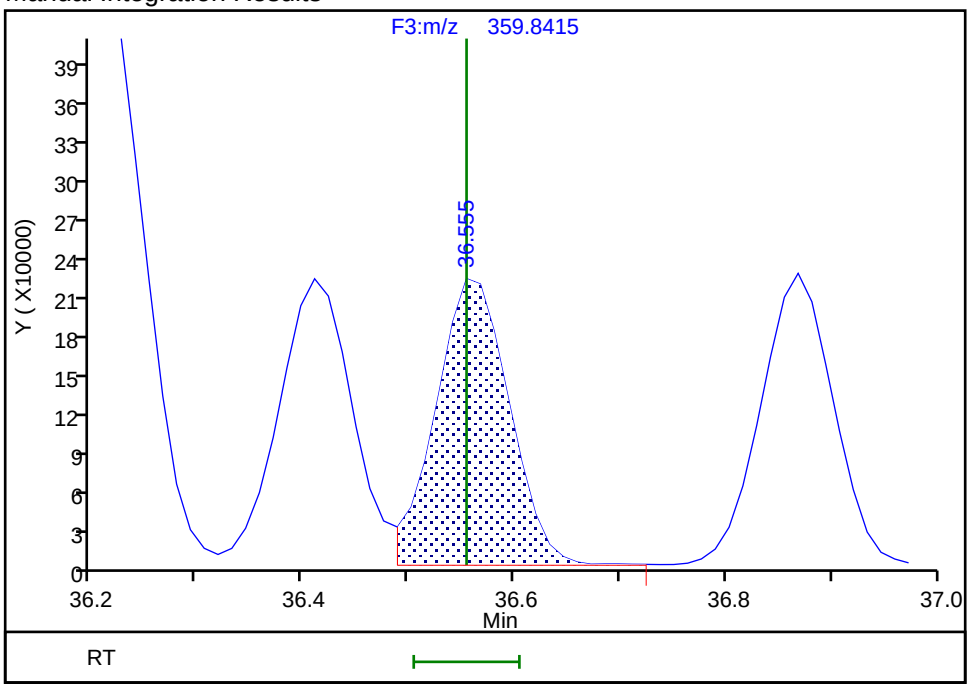
Not Detected
Expected RT: 36.55

Processing Integration Results




Manual Integration Results

RT: 36.55
Area: 1049840
Amount: 45.189876
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:05:15
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

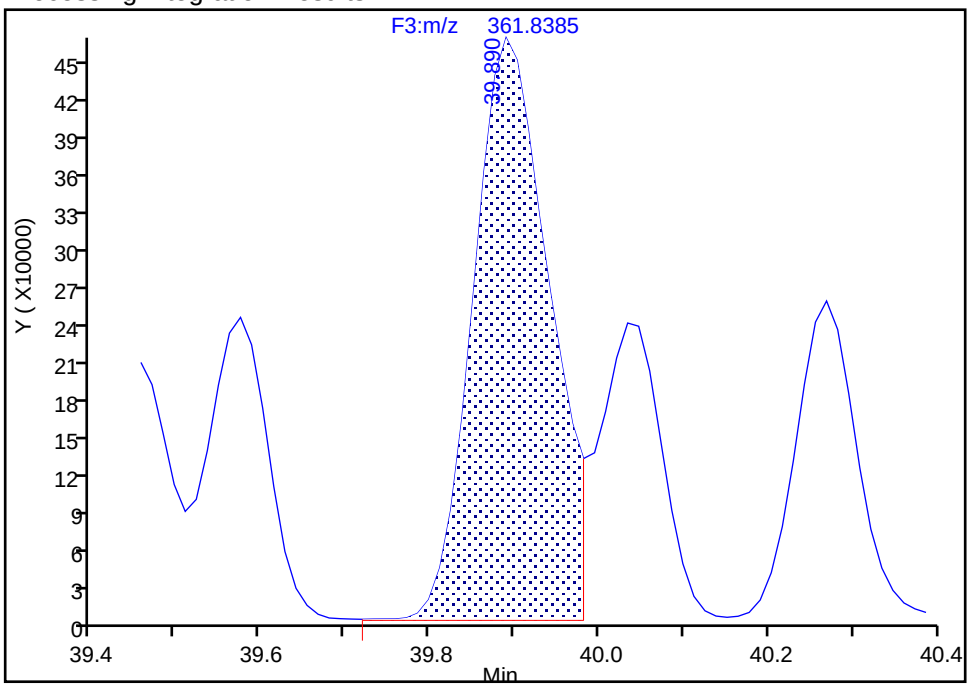
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

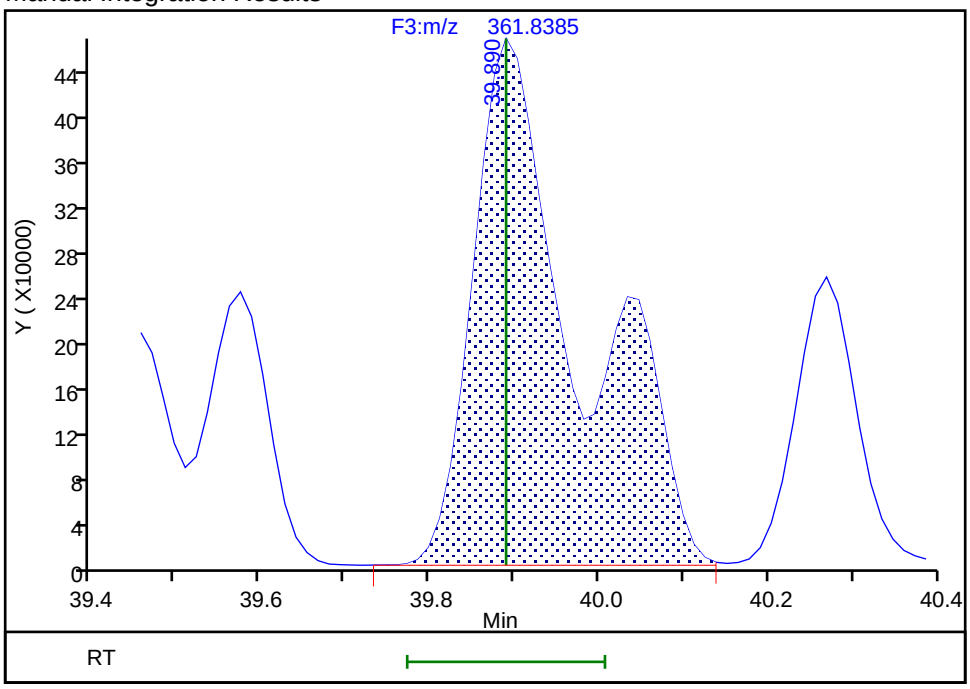
Processing Integration Results

RT: 39.89
Area: 2865624
Amount: 123.0801
Amount Units: pg/ul




Manual Integration Results

RT: 39.89
Area: 4046891
Amount: 174.8729
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:05:44
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

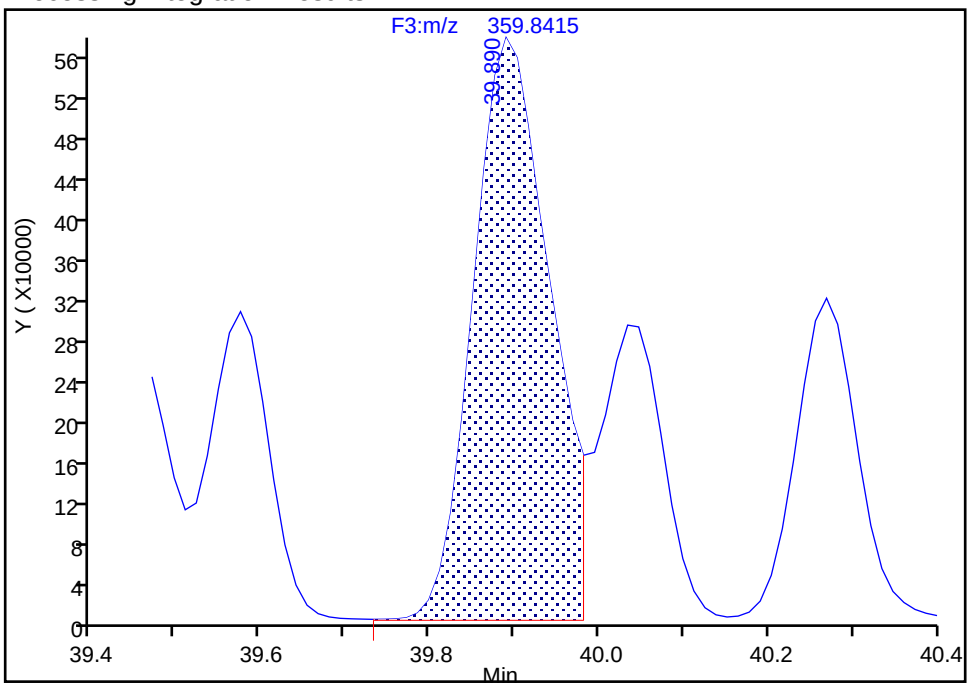
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

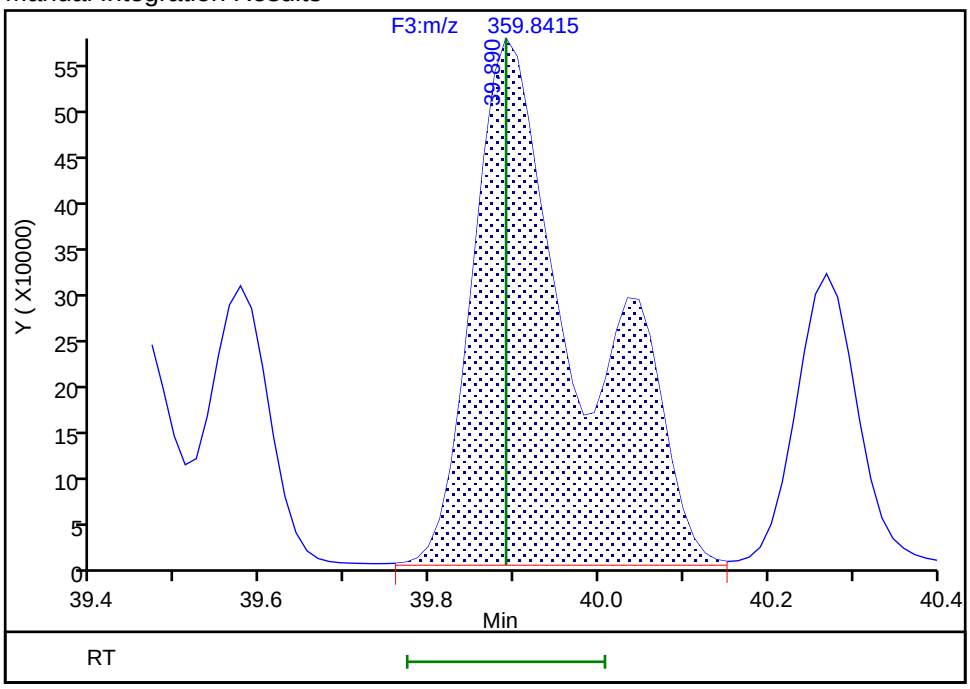
Processing Integration Results

RT: 39.89
Area: 3582273
Amount: 123.0801
Amount Units: pg/ul




Manual Integration Results

RT: 39.89
Area: 5114322
Amount: 174.8729
Amount Units: pg/ul

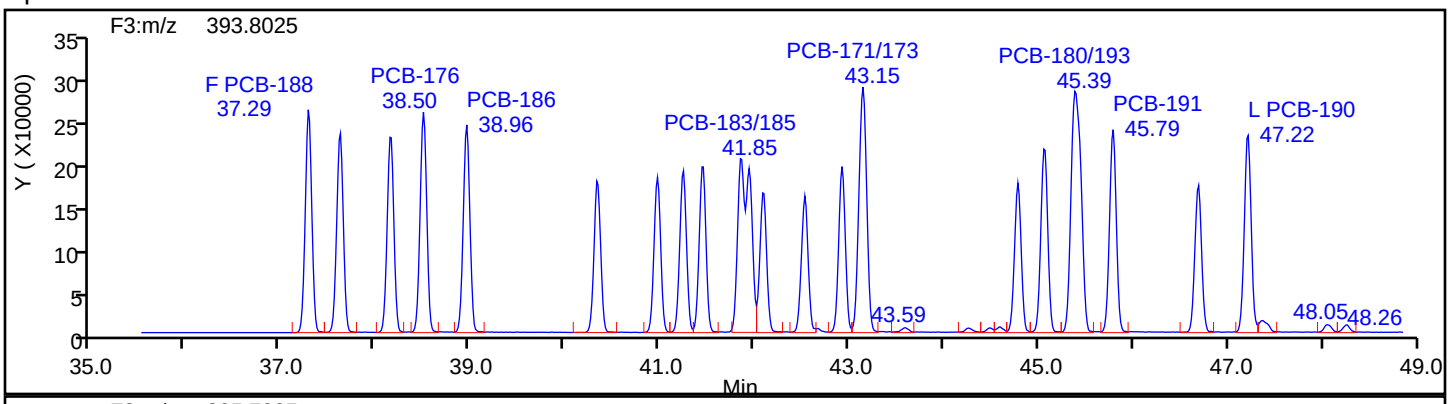


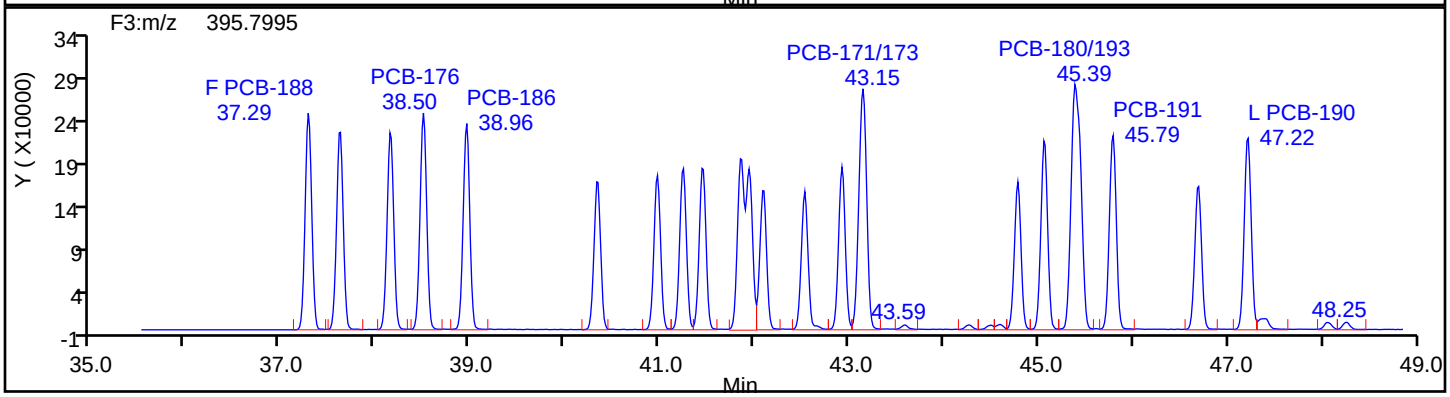

Reviewer: nordquistj, 11-Oct-2019 14:05:47
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

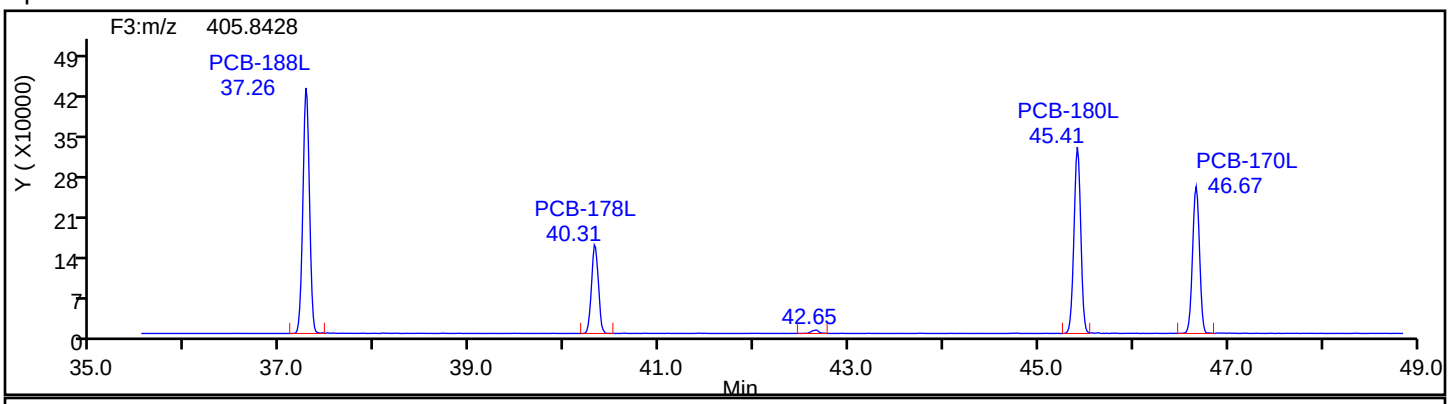
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

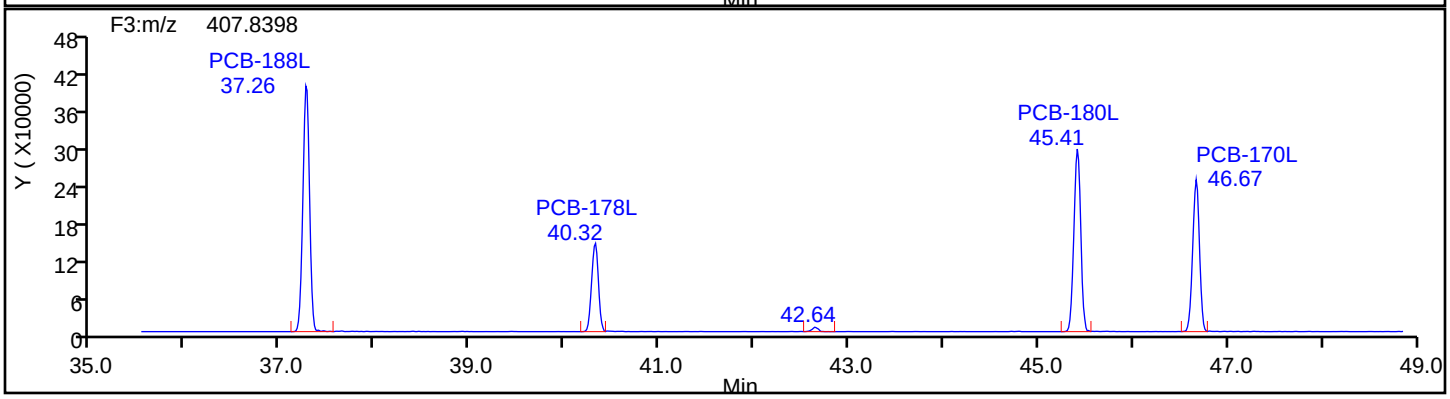
HpPCB F3




HpPCB F3 Standards

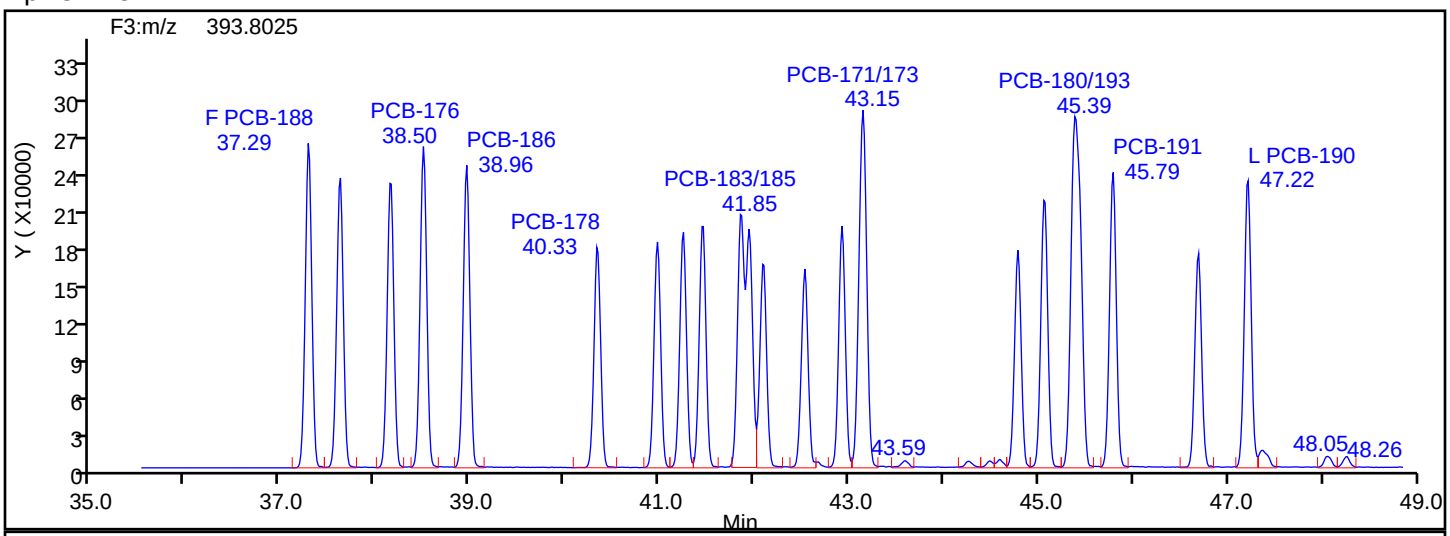


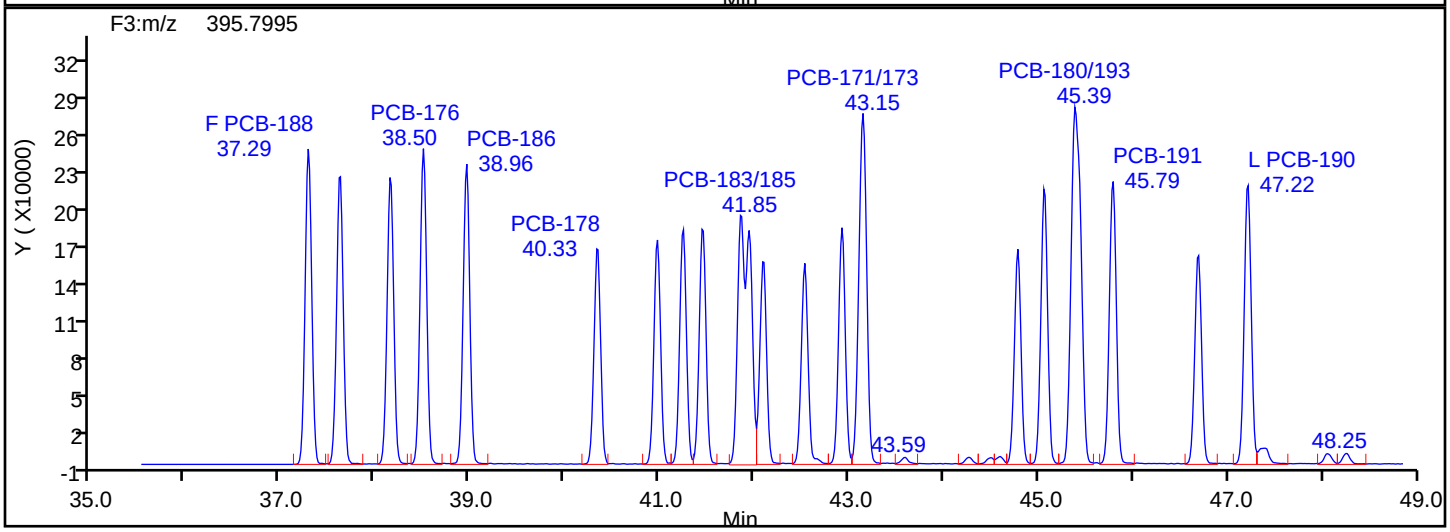



Eurofins TestAmerica, Knoxville

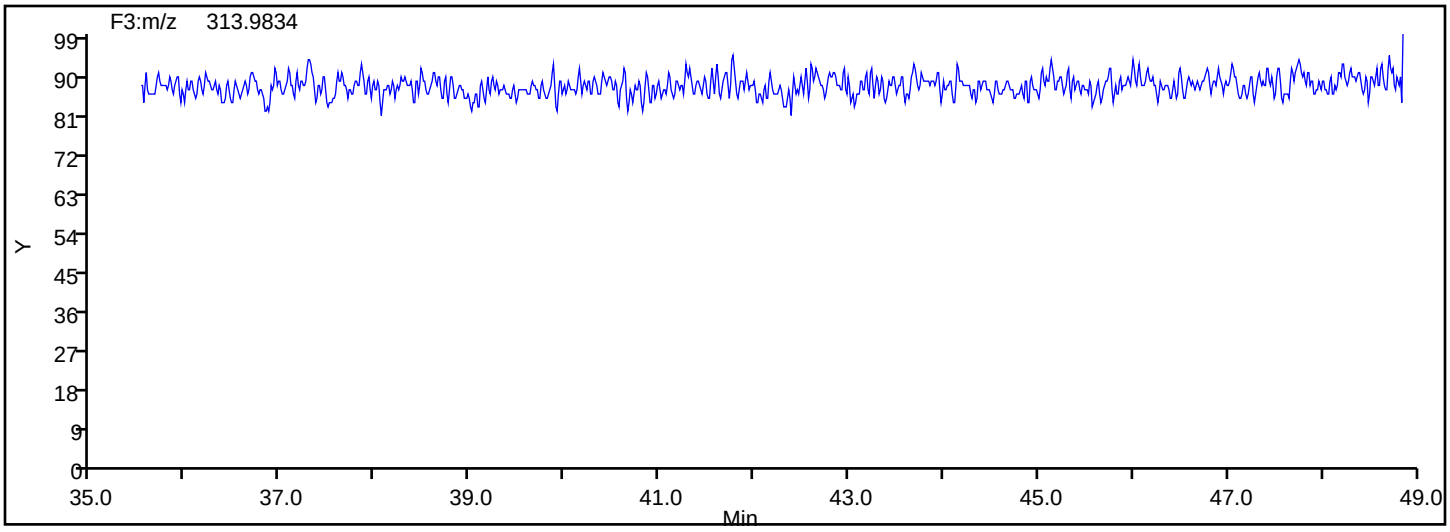
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

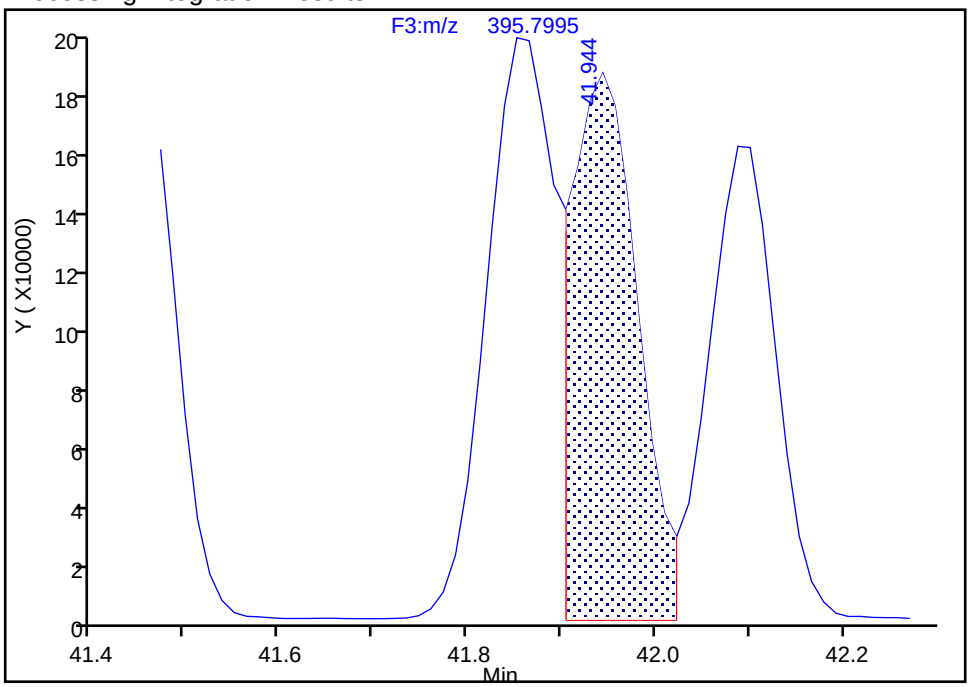
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Instrument ID: | D3D | | |
| Lims ID: | WDMCCV | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 1 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

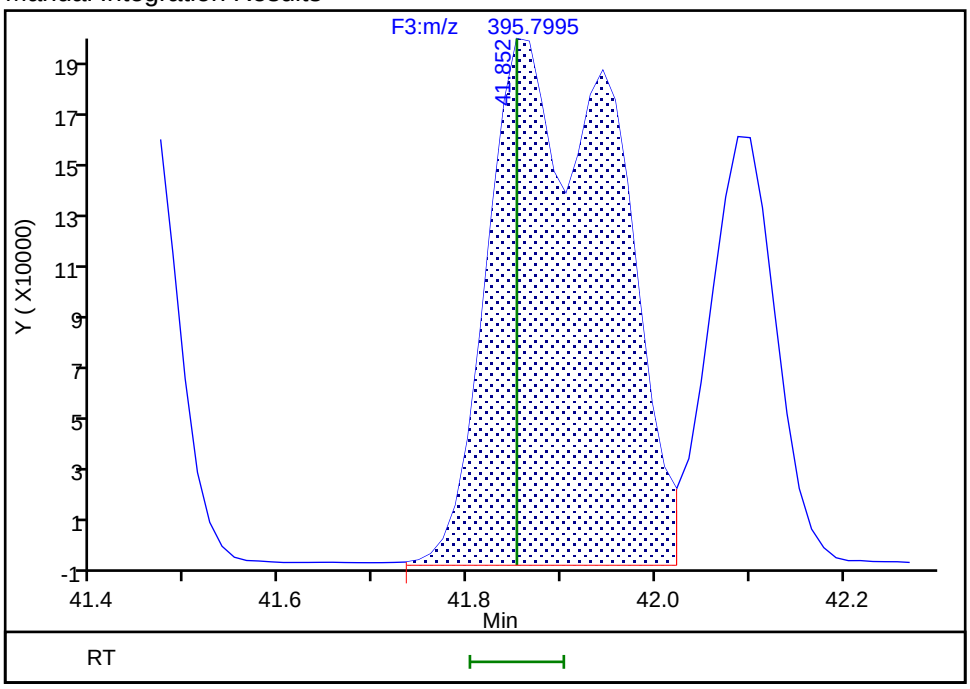
Processing Integration Results

RT: 41.94
Area: 850565
Amount: 47.005998
Amount Units: pg/ul




Manual Integration Results

RT: 41.85
Area: 1822813
Amount: 100.1819
Amount Units: pg/ul




Reviewer: nordquistj, 11-Oct-2019 14:06:29

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

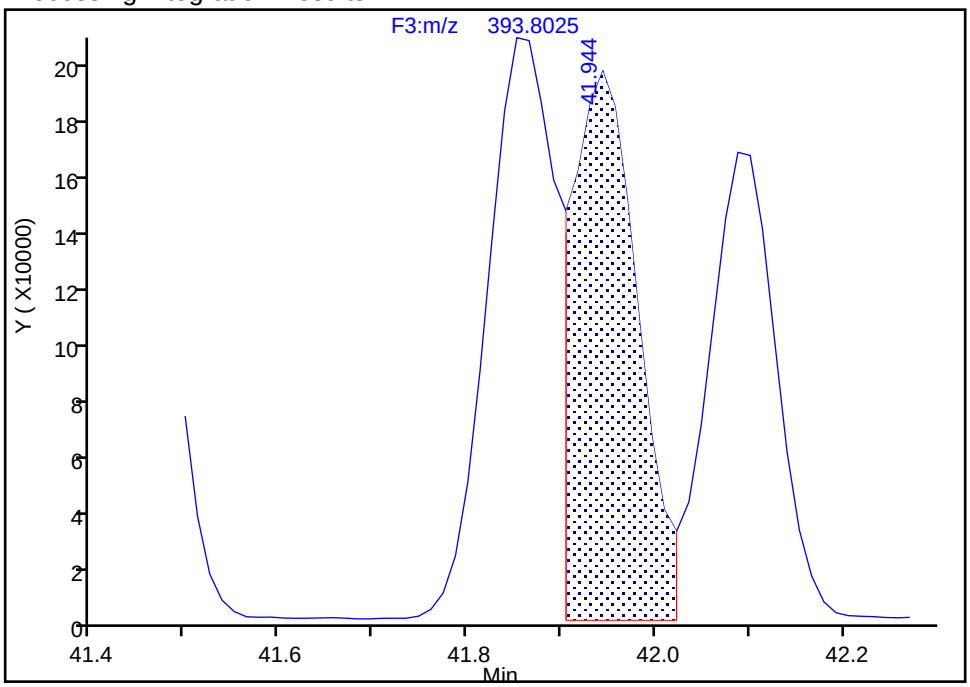
Data File: \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d
Injection Date: 11-Oct-2019 12:49:00 Instrument ID: D3D
Lims ID: WDMCCV
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 1

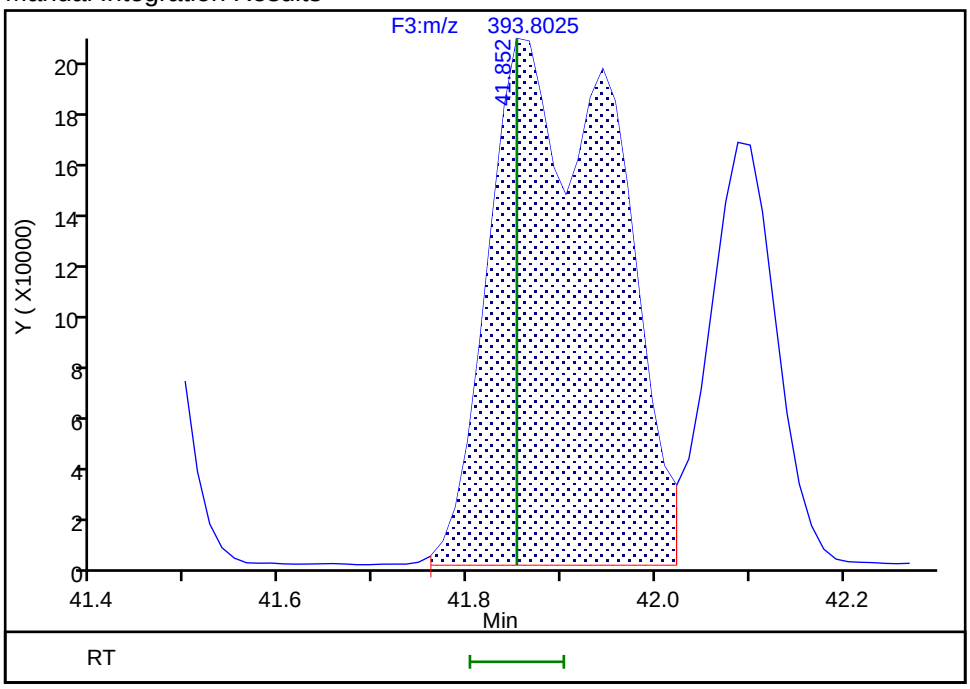
Processing Integration Results

RT: 41.94
Area: 905021
Amount: 47.005998
Amount Units: pg/ul




Manual Integration Results

RT: 41.85
Area: 1918795
Amount: 100.1819
Amount Units: pg/ul

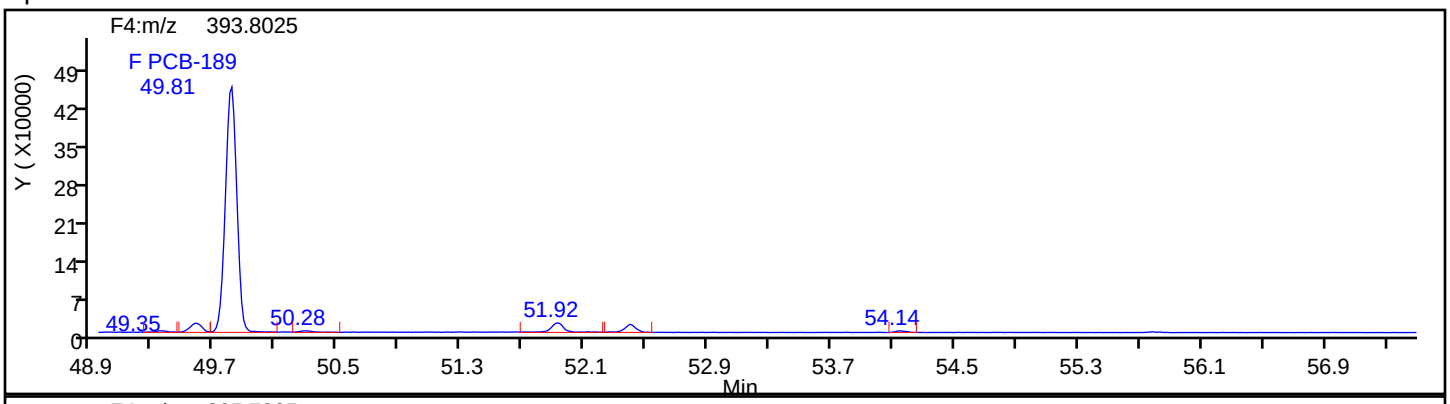


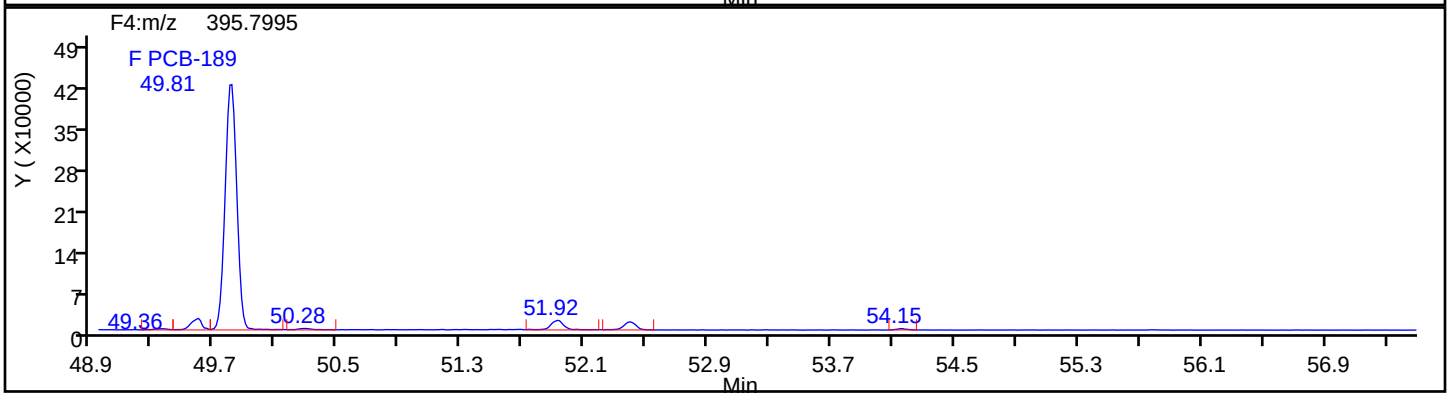

Reviewer: nordquistj, 11-Oct-2019 14:06:33
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

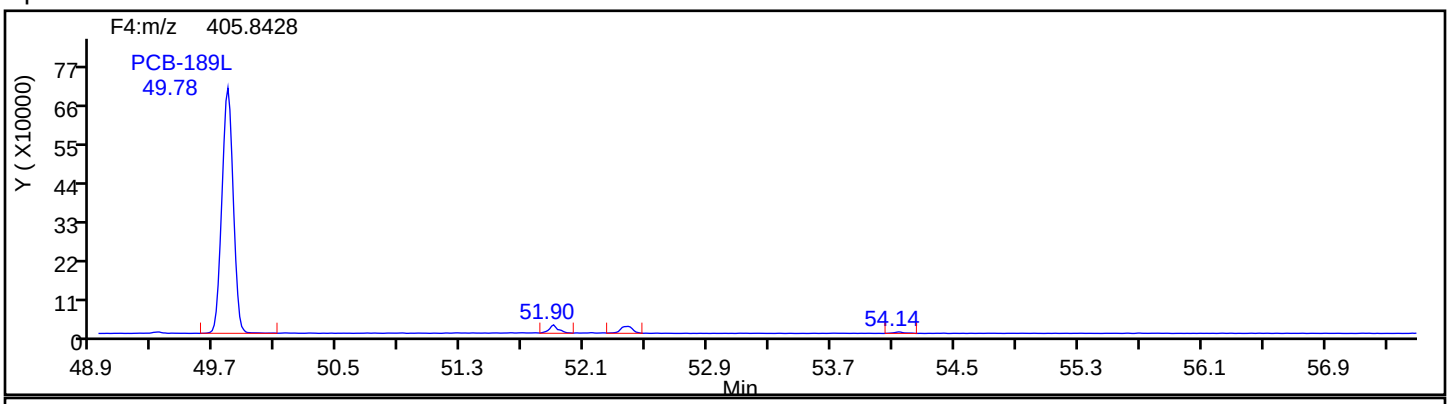
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

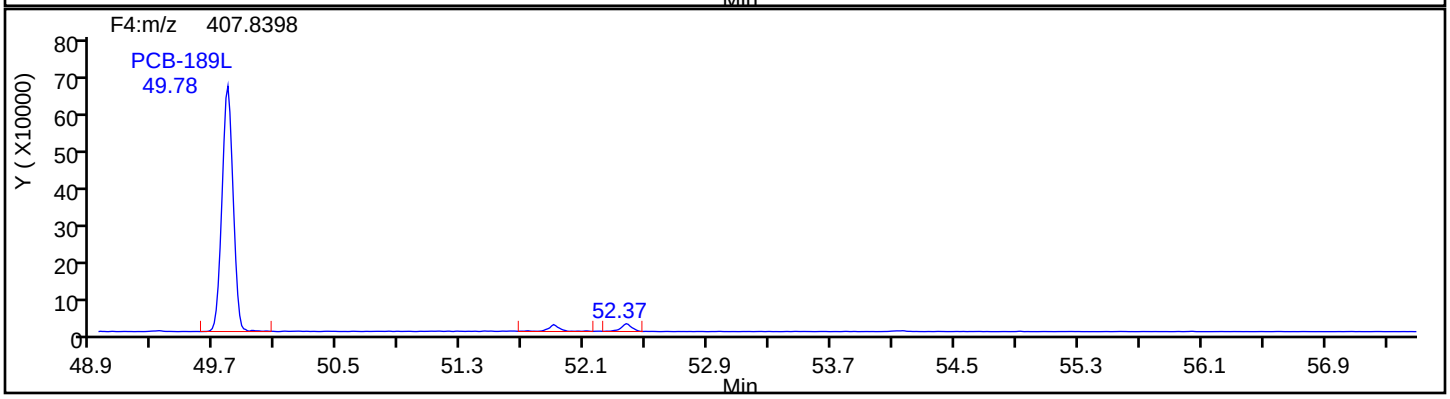
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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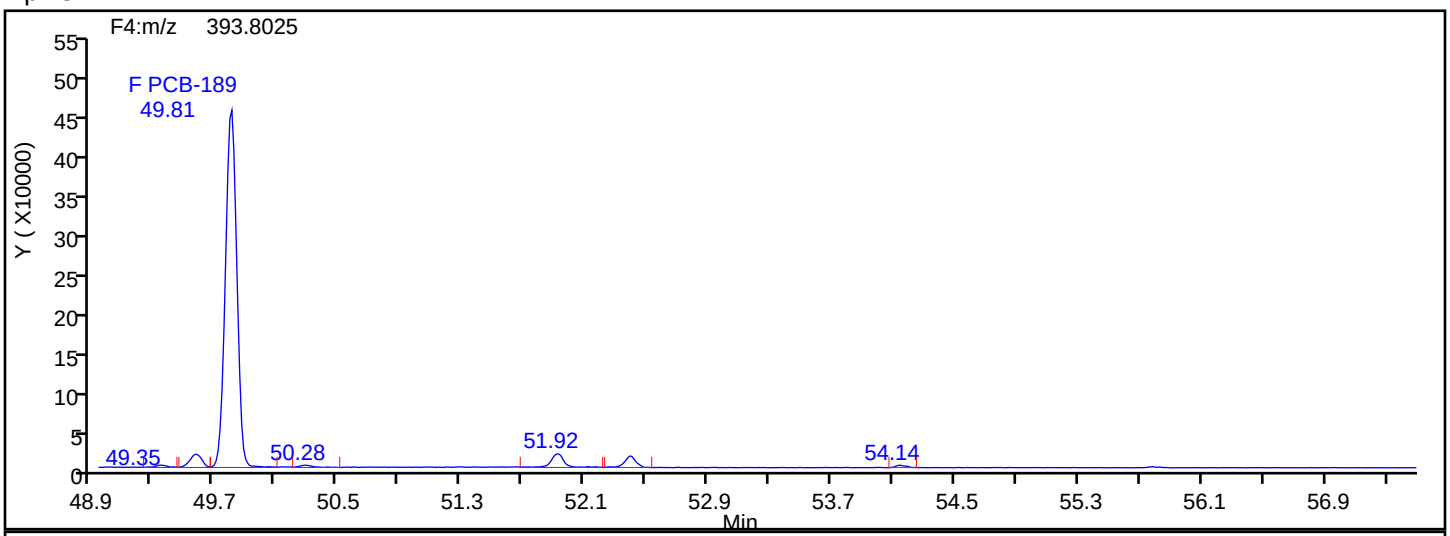
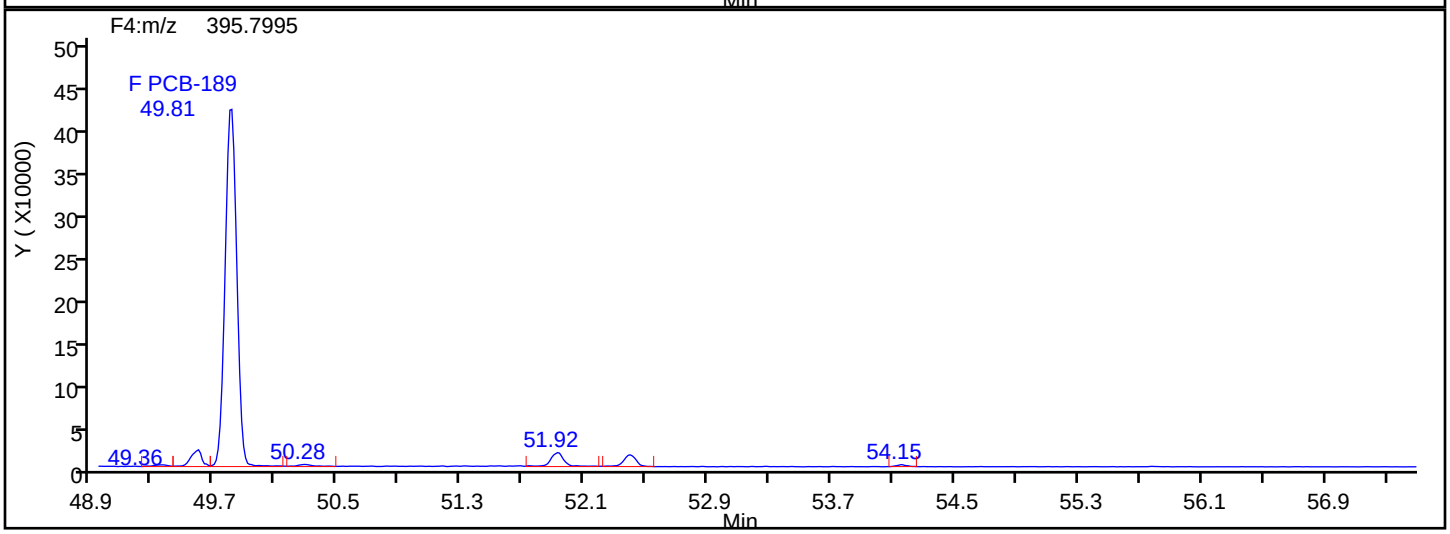
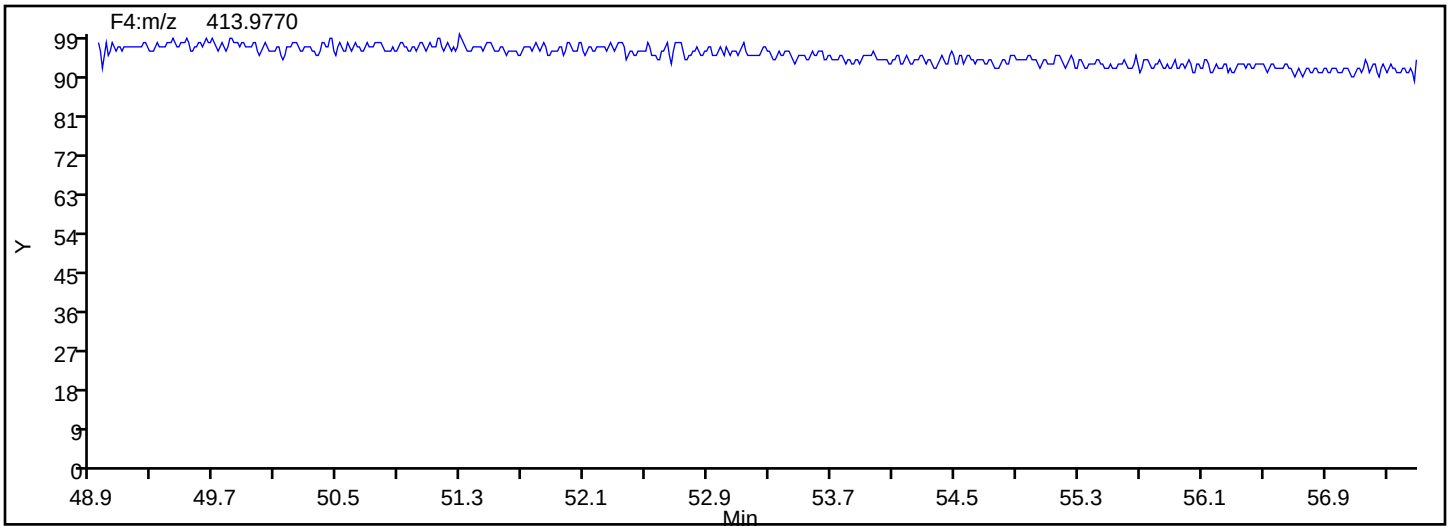
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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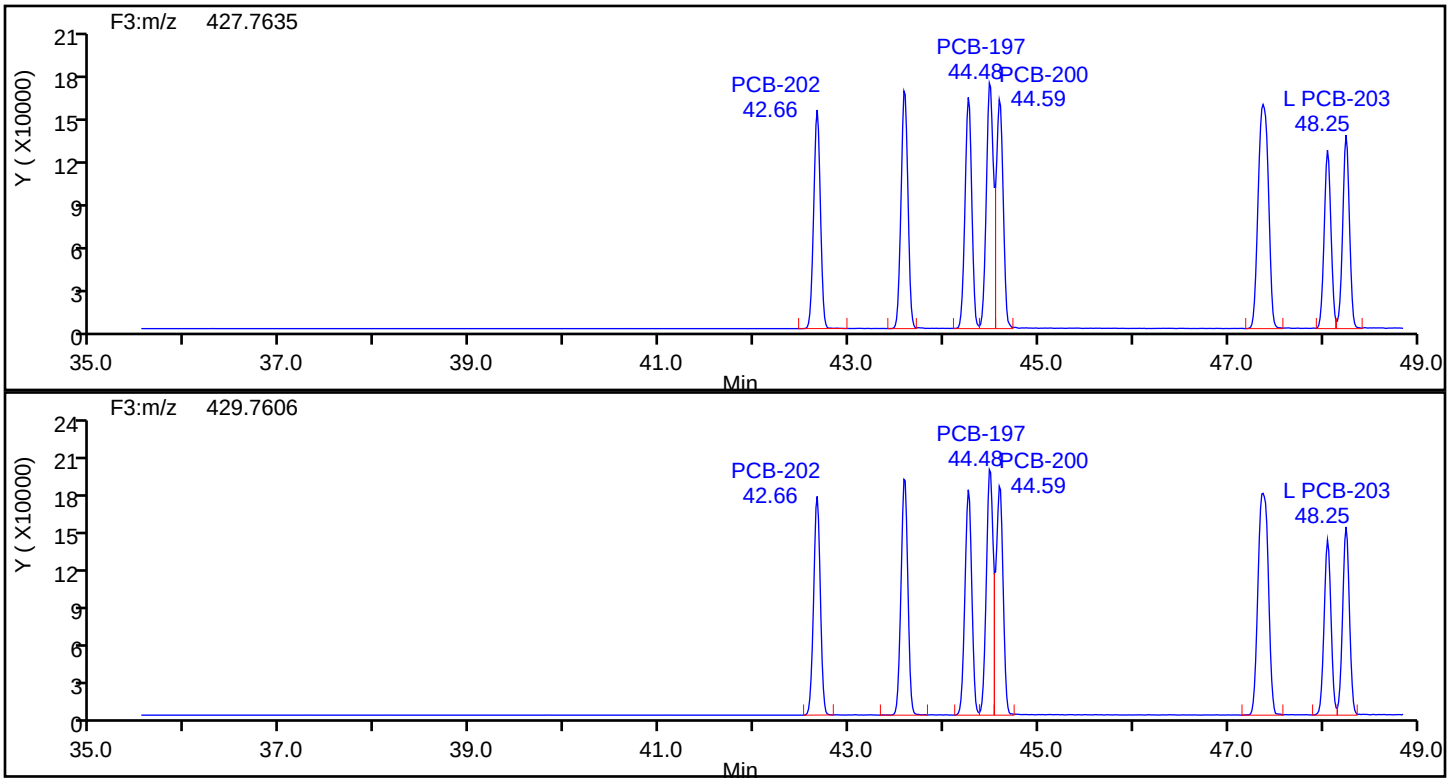
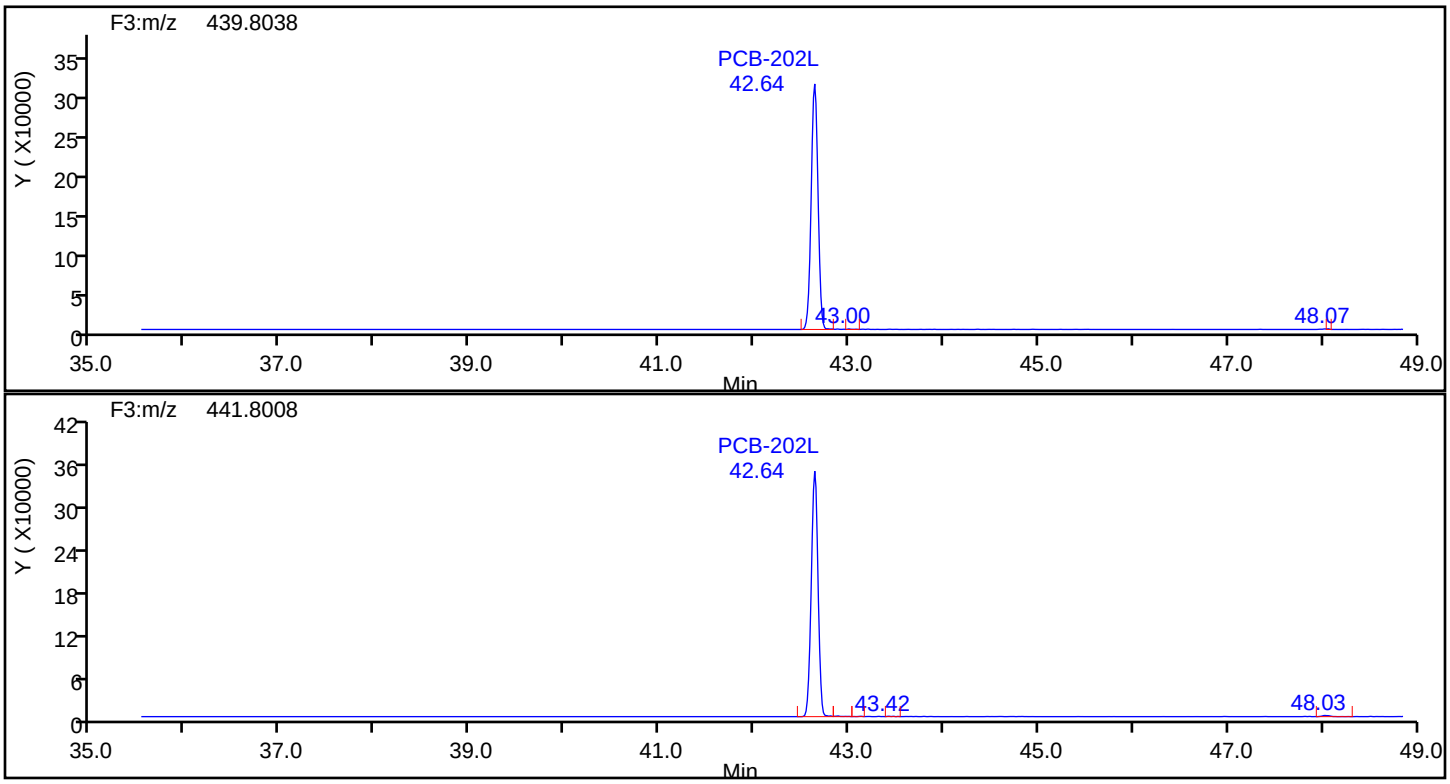
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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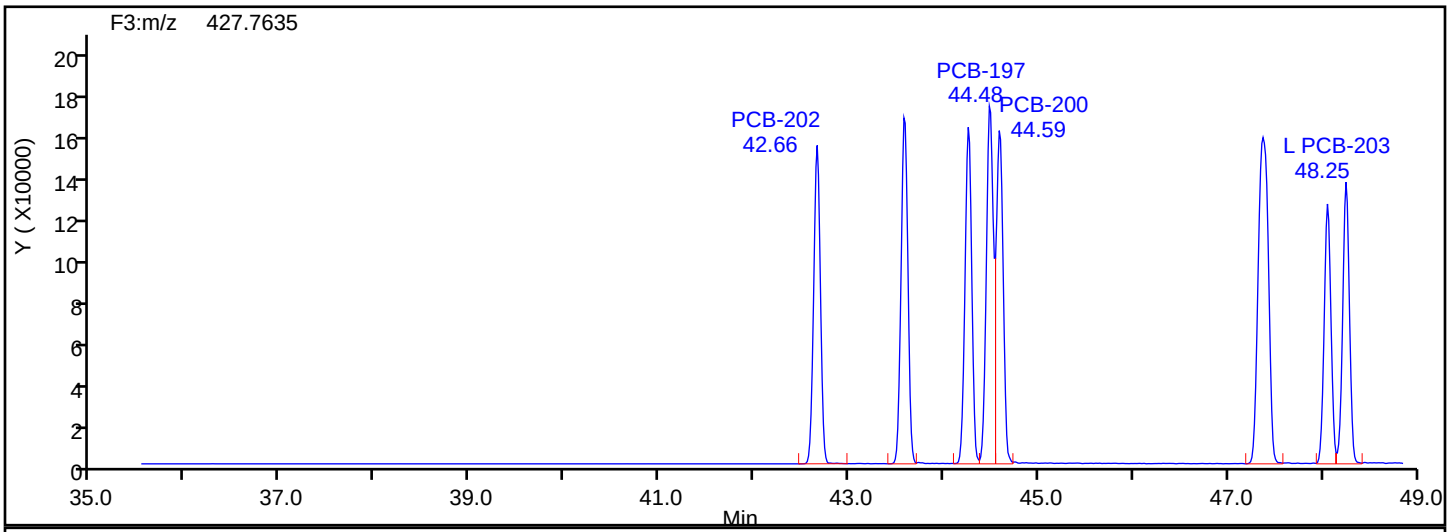
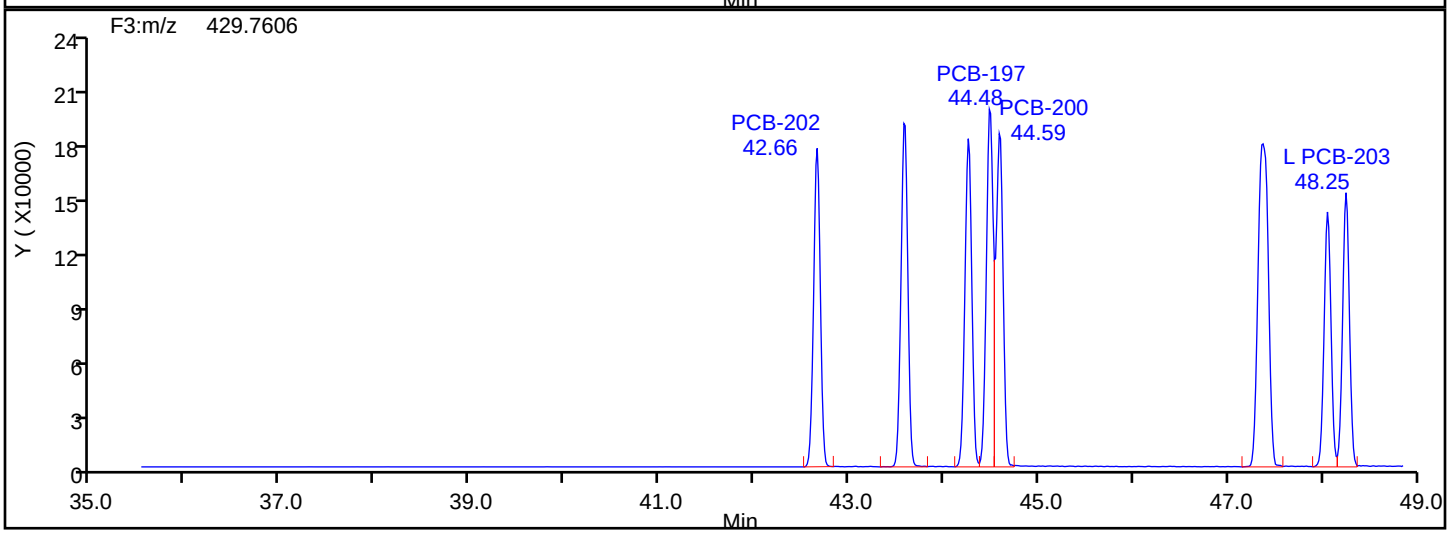
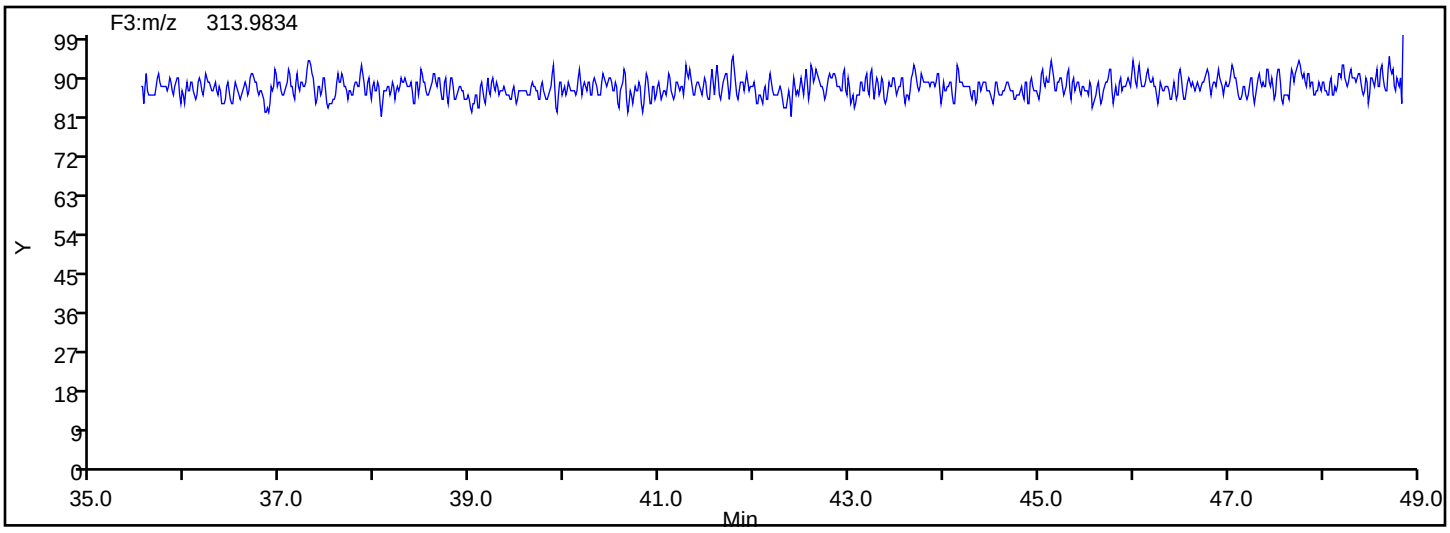
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



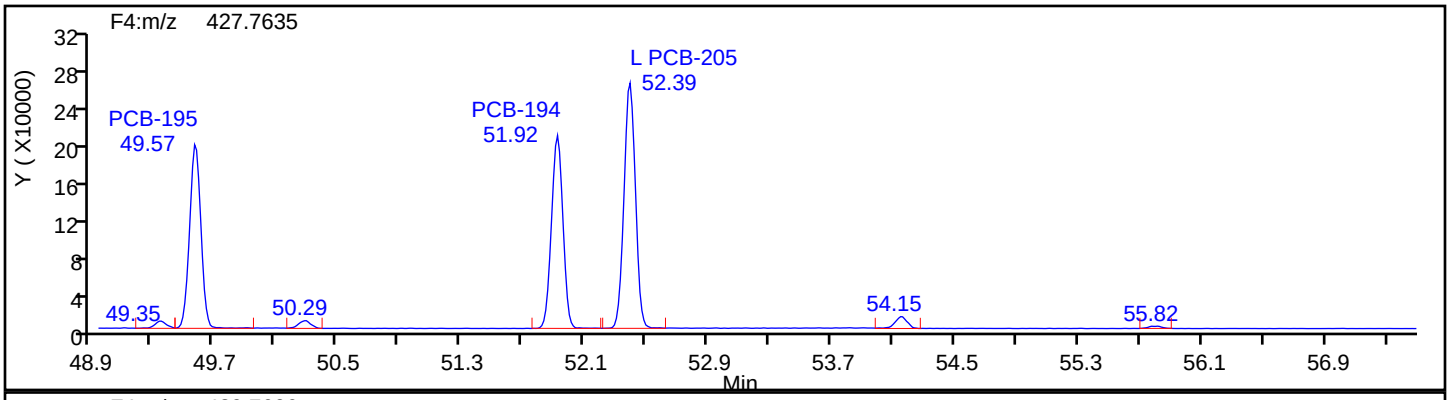

OcPCB F3 Lock Mass

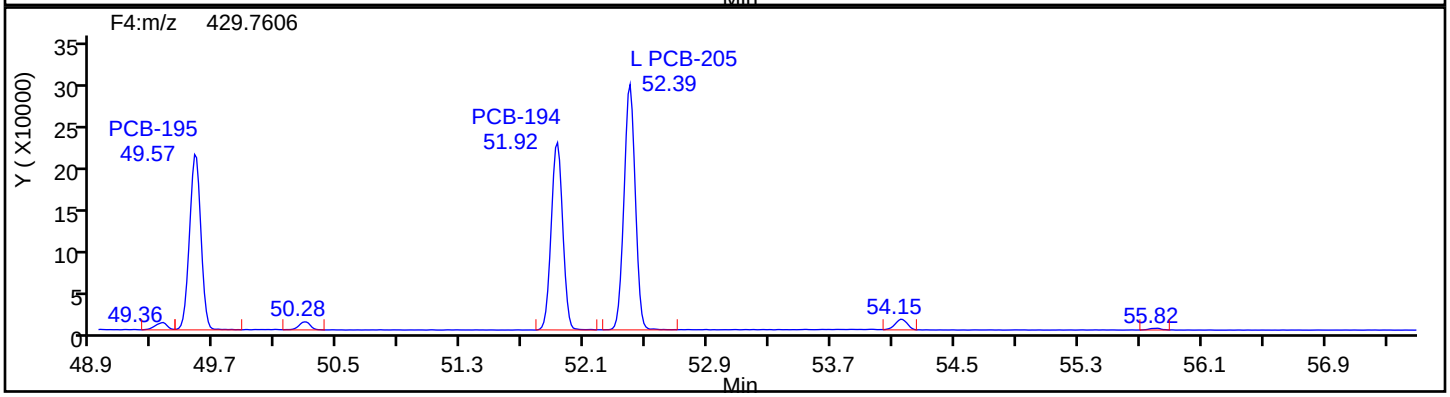


Eurofins TestAmerica, Knoxville

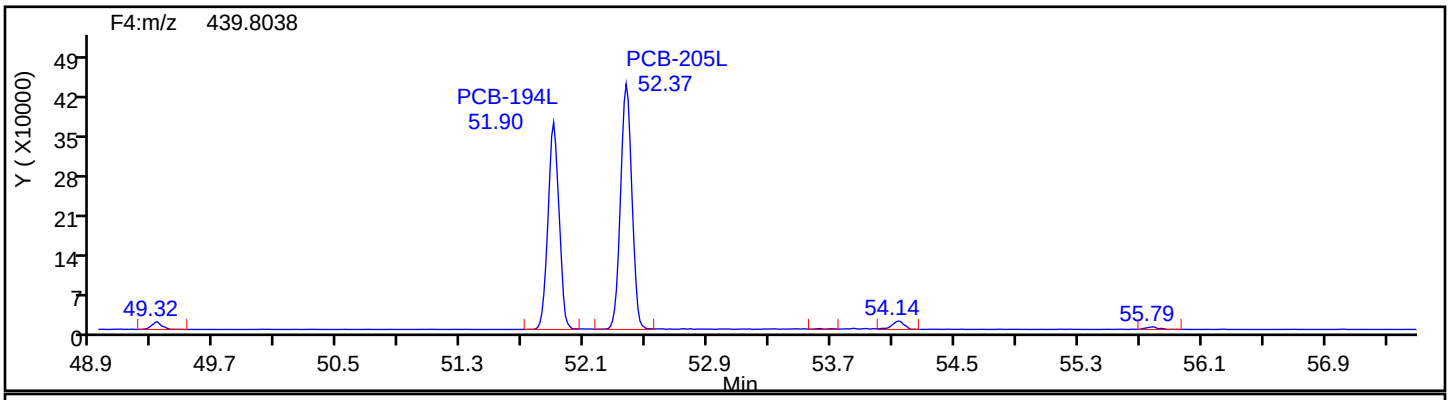
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

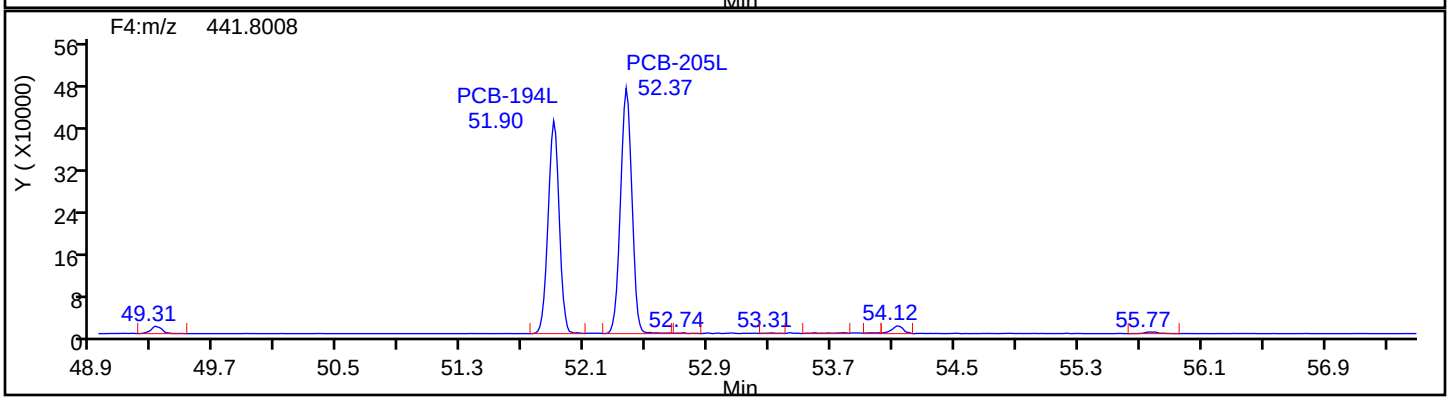
OcPCB F4




OcPCB F4 Standards

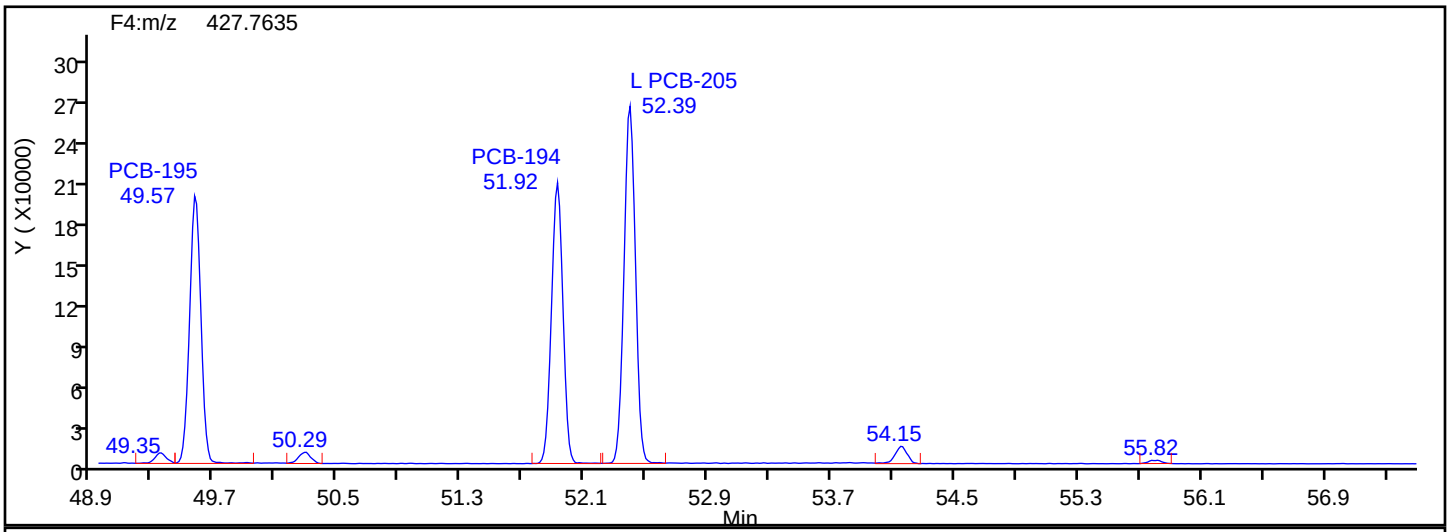


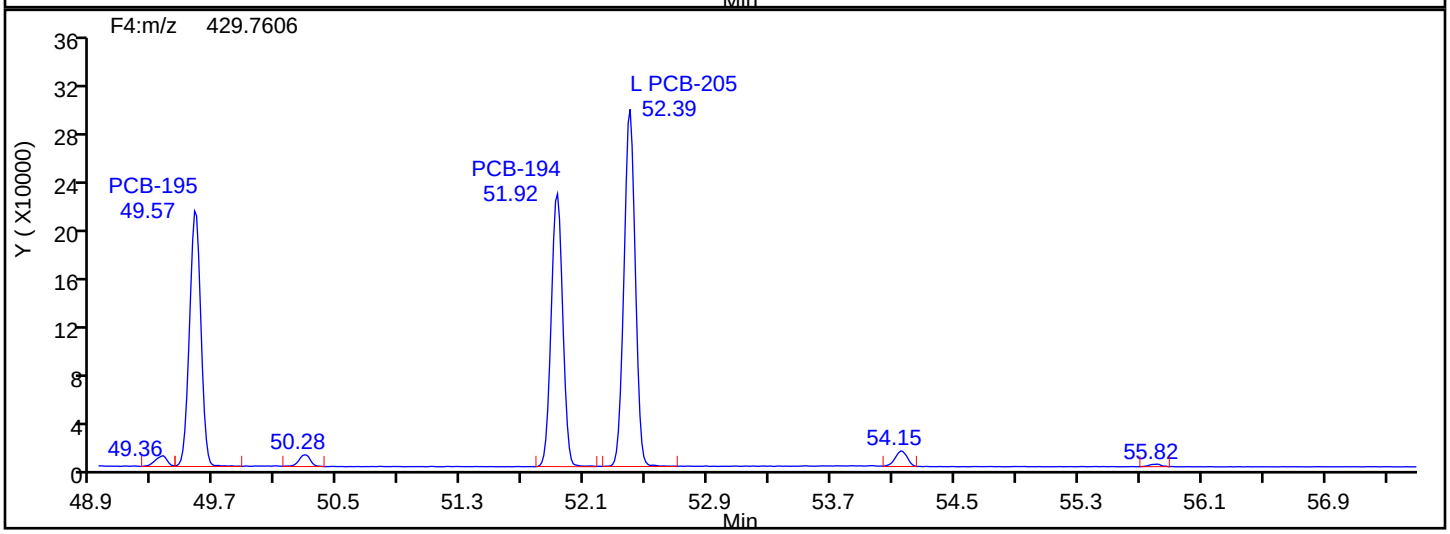



Eurofins TestAmerica, Knoxville

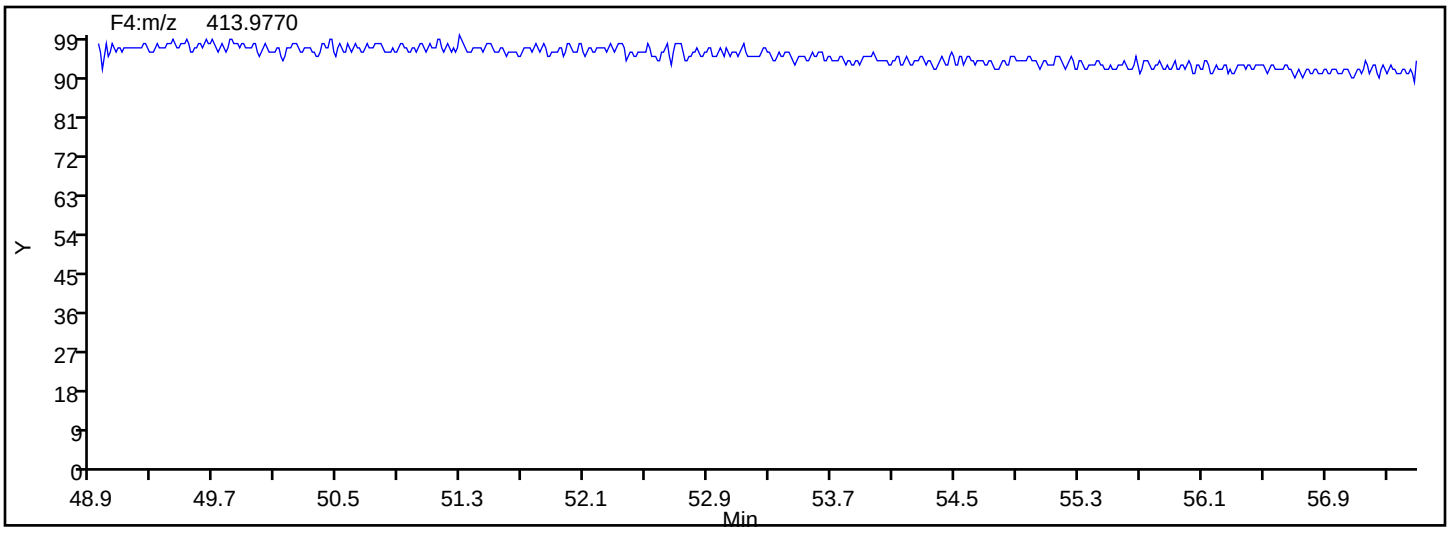
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass

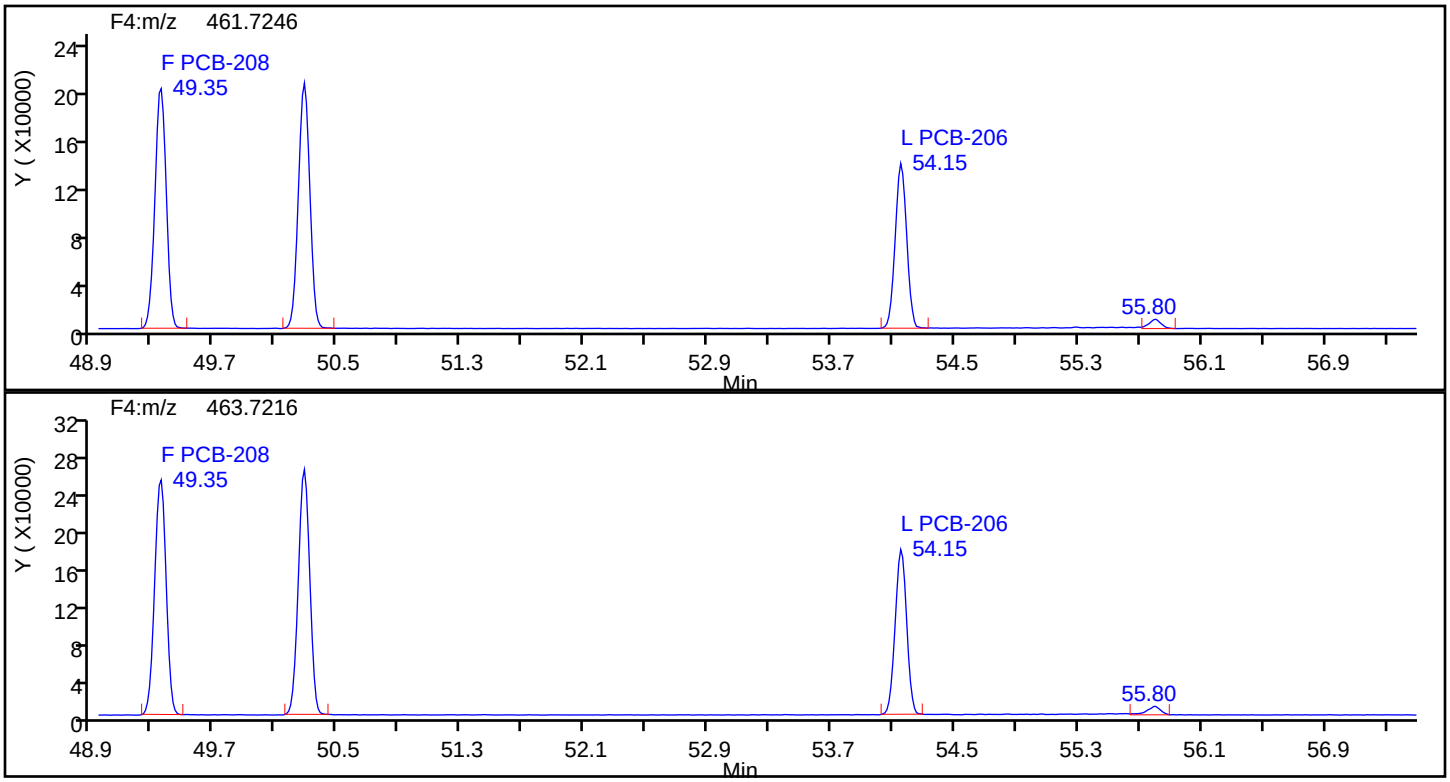


Report Date: 11-Oct-2019 14:08:59 Chrom Revision: 2.3 17-Sep-2019 16:19:08

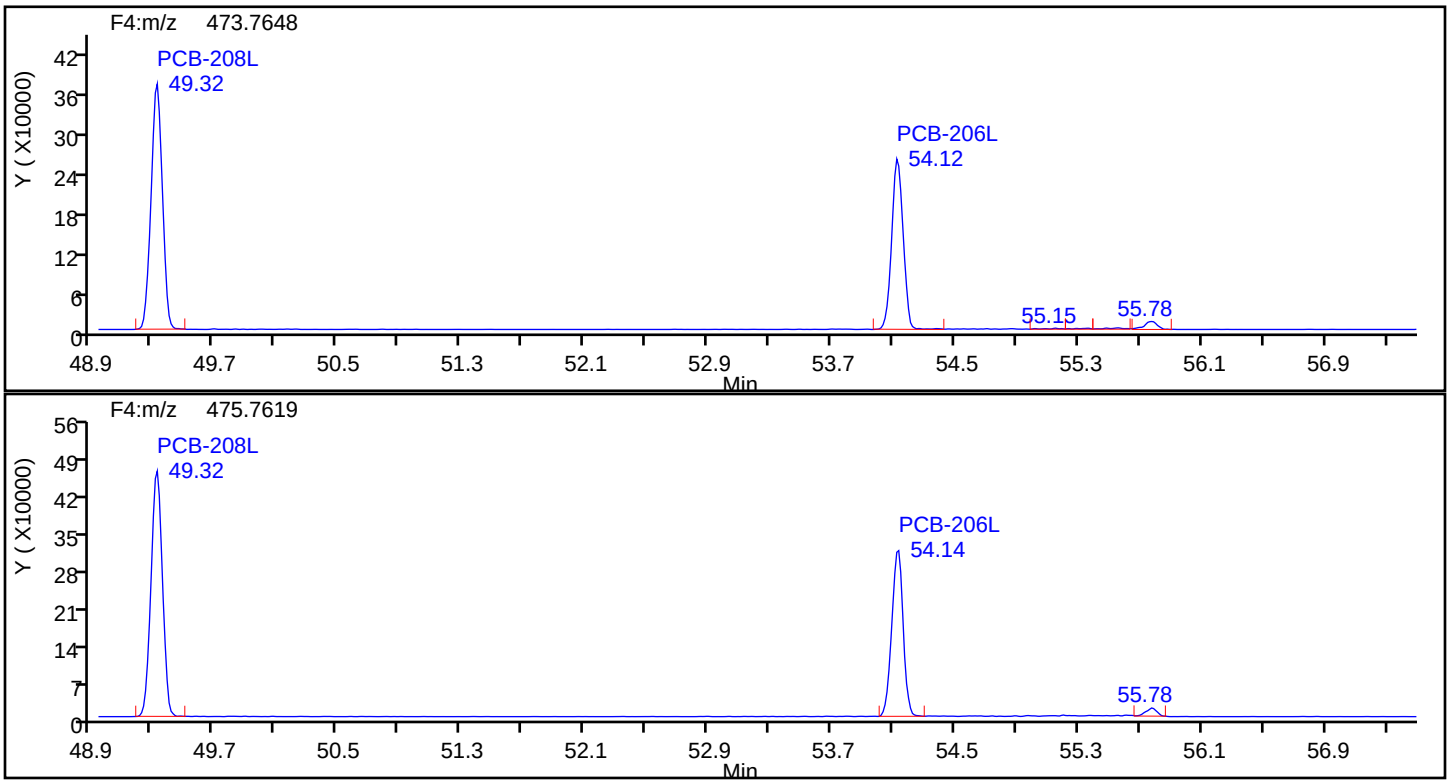
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



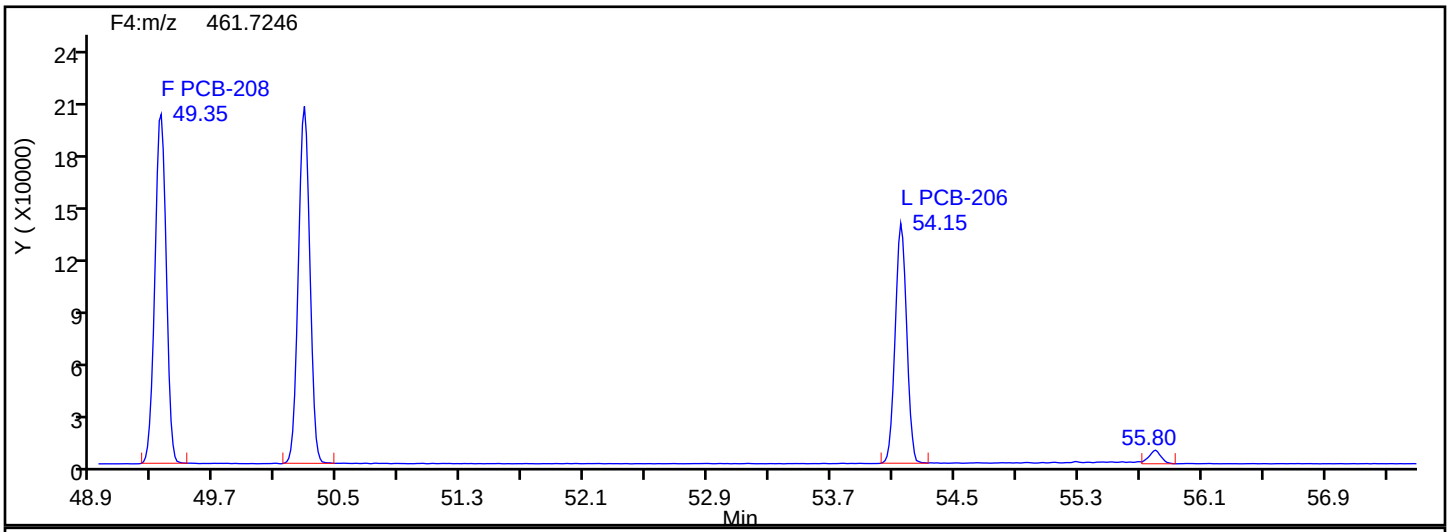

NoPCB F4 Standards

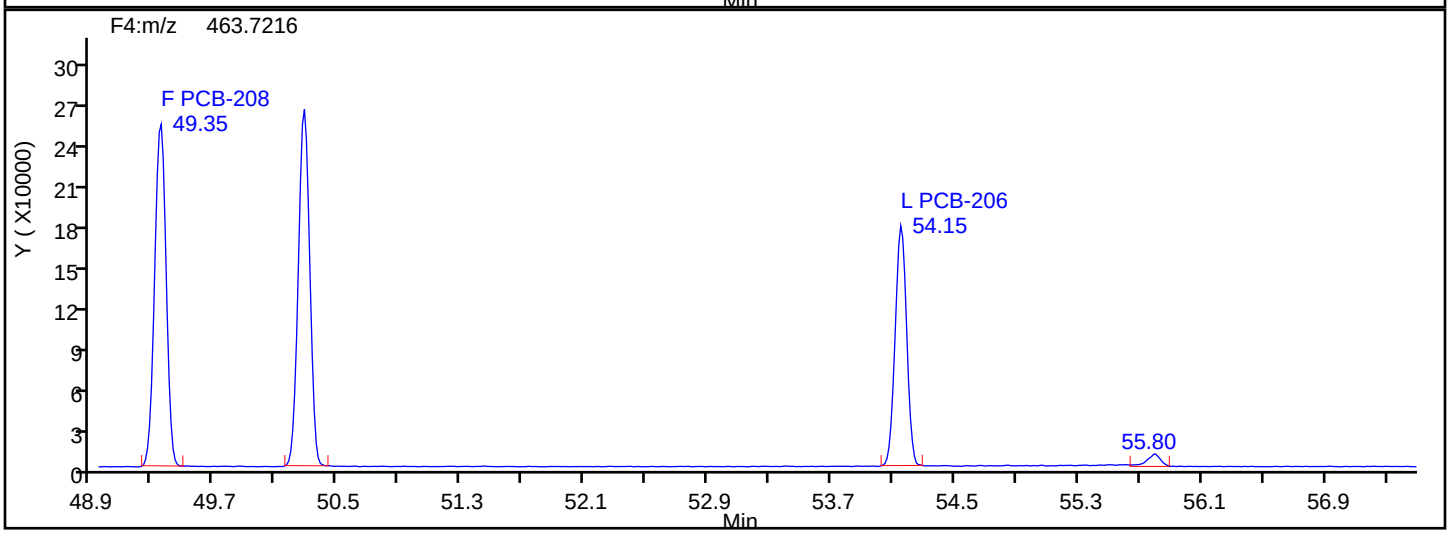


Eurofins TestAmerica, Knoxville

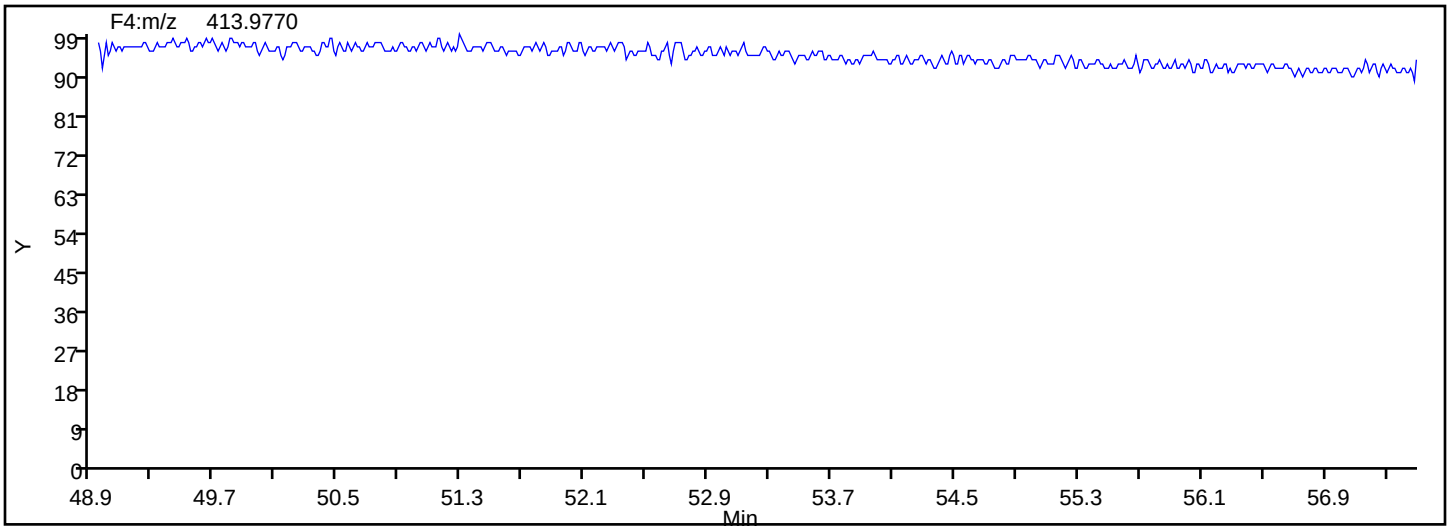
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



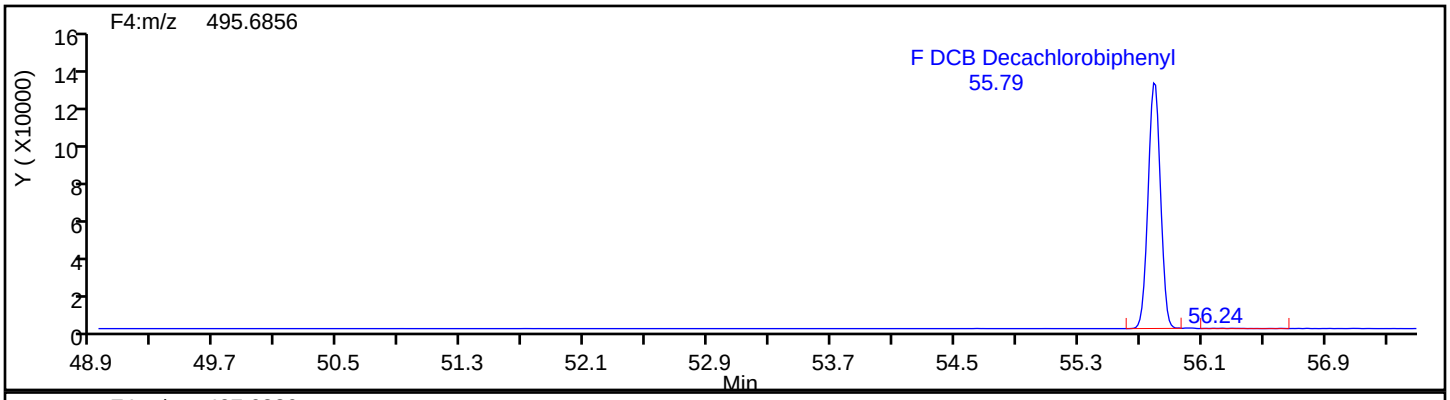

NoPCB F4 Lock Mass

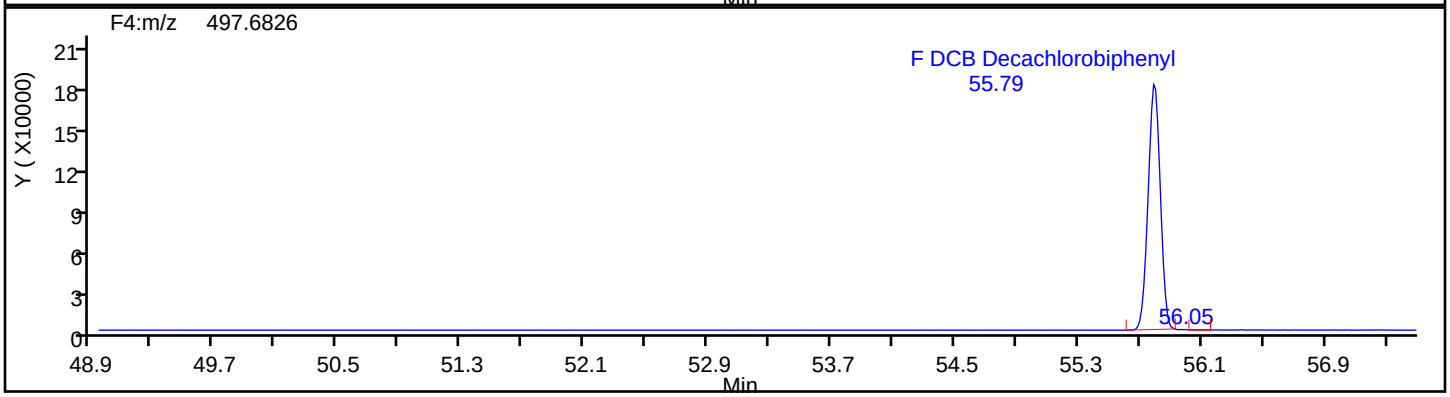


Eurofins TestAmerica, Knoxville

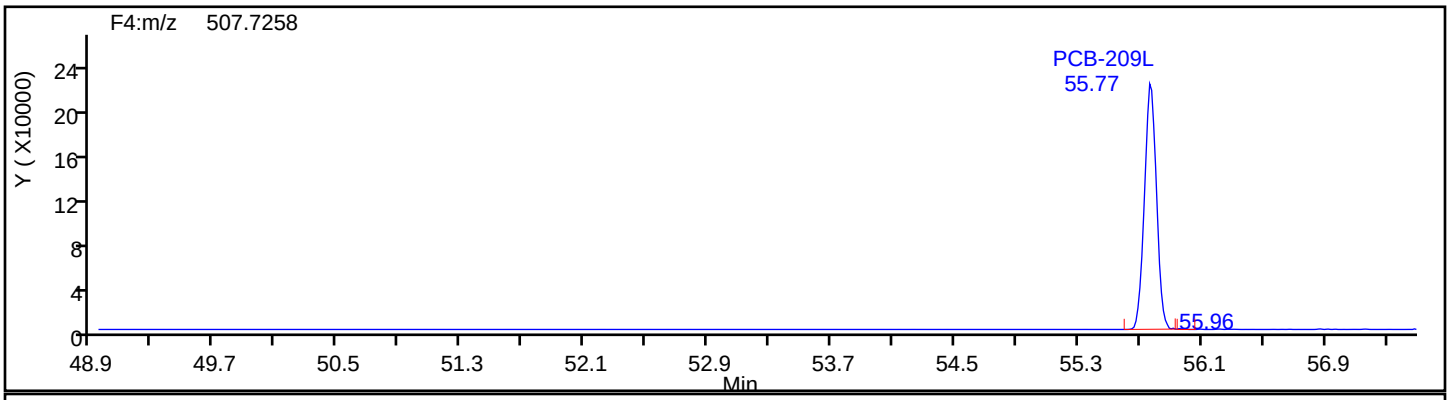
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

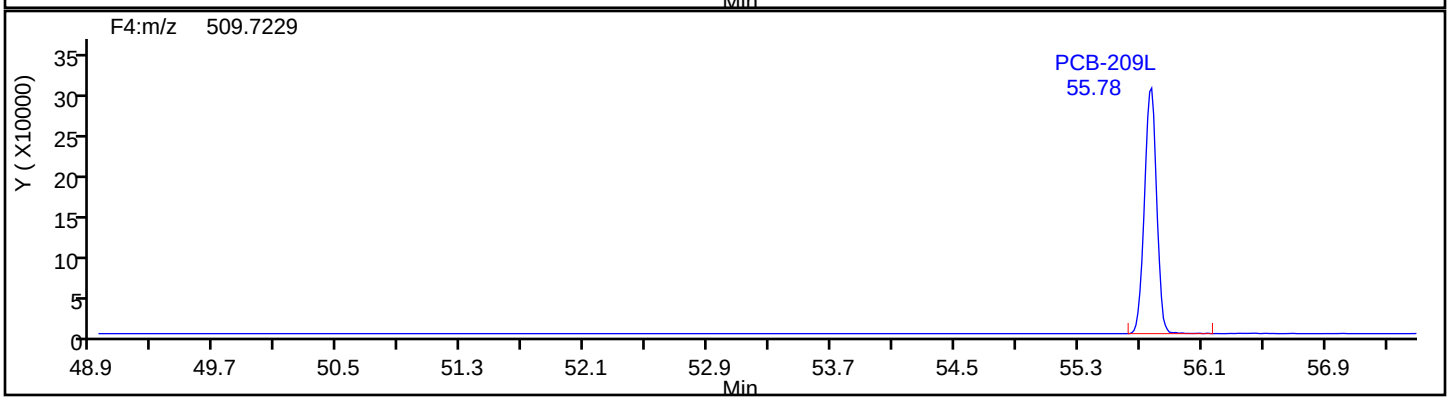
DePCB F4




DePCB F4 Standards

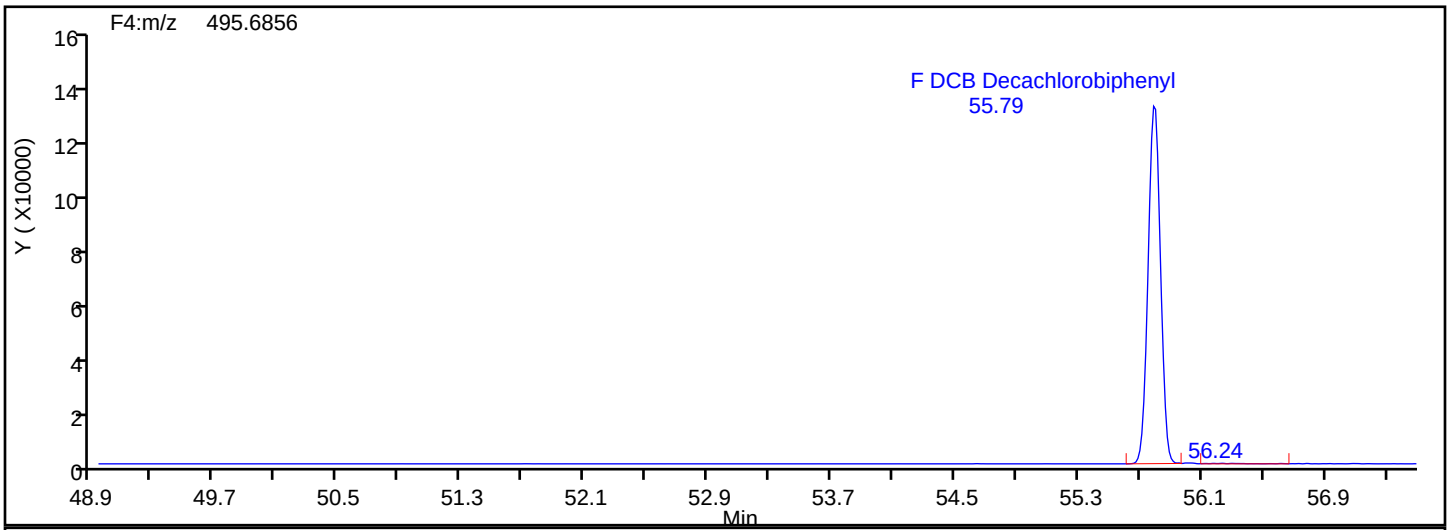


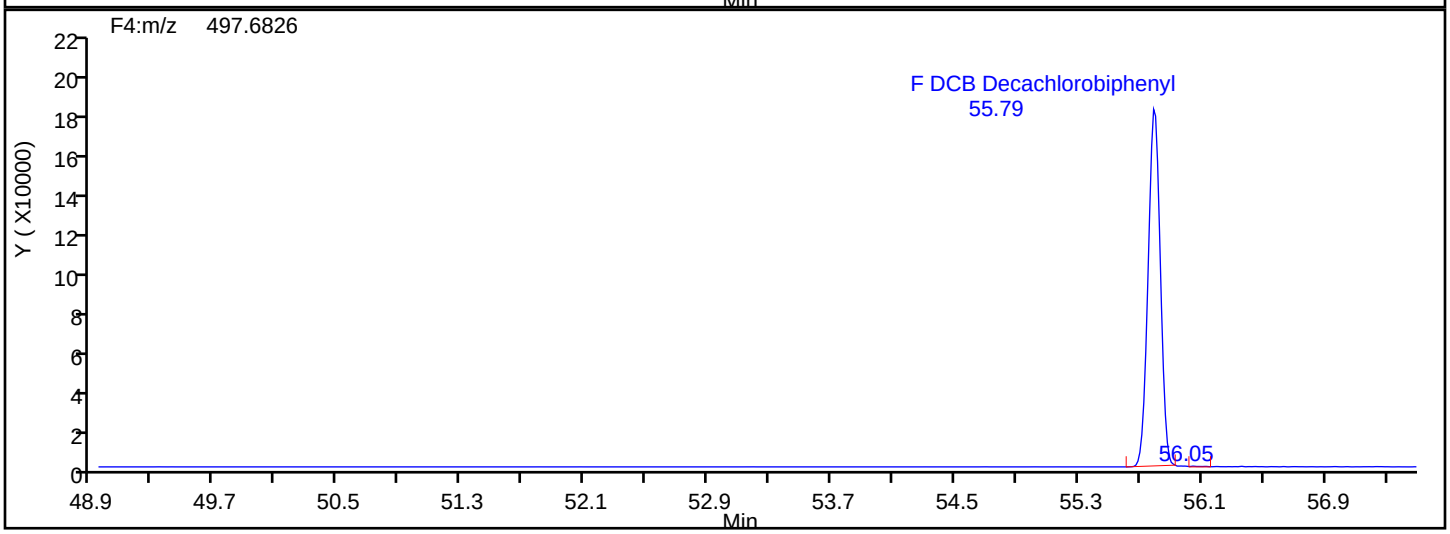



Eurofins TestAmerica, Knoxville

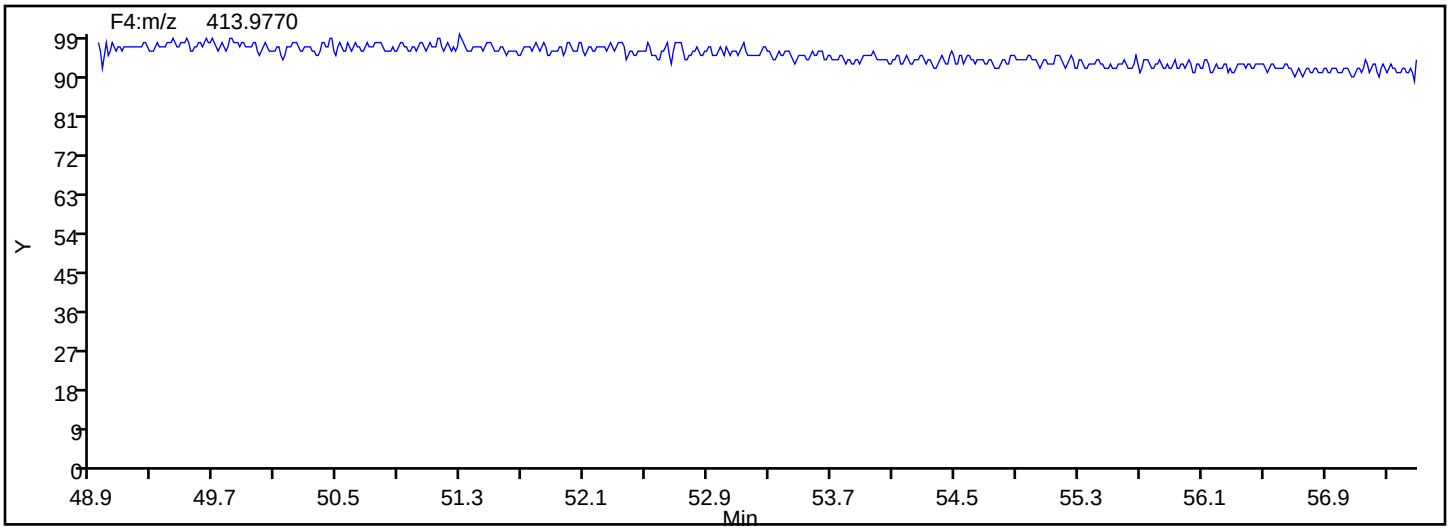
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191011-13360.b\d4191011s2.d | | |
| Injection Date: | 11-Oct-2019 12:49:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34365 | Sample Line#: | 1 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.00485 | J | 0.040 | 0.00045 |
| 2051-61-8 | PCB-2 | 0.00370 | J | 0.040 | 0.00045 |
| 2051-62-9 | PCB-3 | 0.00316 | J | 0.040 | 0.00045 |
| 13029-08-8 | PCB-4 | 0.00463 | J q | 0.060 | 0.0016 |
| 16605-91-7 | PCB-5 | ND | | 0.040 | 0.0011 |
| 25569-80-6 | PCB-6 | 0.00302 | J q | 0.040 | 0.0011 |
| 33284-50-3 | PCB-7 | ND | | 0.040 | 0.0010 |
| 34883-43-7 | PCB-8 | 0.00535 | J | 0.060 | 0.0010 |
| 34883-39-1 | PCB-9 | ND | | 0.040 | 0.0012 |
| 33146-45-1 | PCB-10 | ND | | 0.040 | 0.0011 |
| 2050-67-1 | PCB-11 | 0.0230 | J | 0.060 | 0.0010 |
| 2974-92-7 | PCB-12 | 0.00325 | J q C | 0.080 | 0.0010 |
| 2974-90-5 | PCB-13 | 0.00325 | J q C12 | 0.080 | 0.0010 |
| 34883-41-5 | PCB-14 | ND | | 0.040 | 0.00088 |
| 2050-68-2 | PCB-15 | 0.00355 | J | 0.040 | 0.00099 |
| 38444-78-9 | PCB-16 | 0.00306 | J q | 0.040 | 0.0010 |
| 37680-66-3 | PCB-17 | 0.00382 | J | 0.040 | 0.00081 |
| 37680-65-2 | PCB-18 | 0.00652 | J C | 0.080 | 0.00069 |
| 38444-73-4 | PCB-19 | ND | | 0.040 | 0.00097 |
| 38444-84-7 | PCB-20 | 0.00441 | J C | 0.080 | 0.00036 |
| 55702-46-0 | PCB-21 | 0.00338 | J C | 0.080 | 0.00034 |
| 38444-85-8 | PCB-22 | 0.00169 | J | 0.040 | 0.00038 |
| 55720-44-0 | PCB-23 | ND | | 0.040 | 0.00037 |
| 55702-45-9 | PCB-24 | 0.00169 | J q | 0.040 | 0.00060 |
| 55712-37-3 | PCB-25 | 0.00102 | J q | 0.040 | 0.00035 |
| 38444-81-4 | PCB-26 | 0.00190 | J q C | 0.080 | 0.00036 |
| 38444-76-7 | PCB-27 | 0.00134 | J q | 0.040 | 0.00058 |
| 7012-37-5 | PCB-28 | 0.00441 | J C20 | 0.080 | 0.00036 |
| 15862-07-4 | PCB-29 | 0.00190 | J q C26 | 0.080 | 0.00036 |
| 35693-92-6 | PCB-30 | 0.00652 | J C18 | 0.080 | 0.00069 |
| 16606-02-3 | PCB-31 | 0.00328 | J | 0.040 | 0.00034 |
| 38444-77-8 | PCB-32 | 0.00385 | J | 0.040 | 0.00054 |
| 38444-86-9 | PCB-33 | 0.00338 | J C21 | 0.080 | 0.00034 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-68-5 | PCB-34 | 0.000666 | J q | 0.040 | 0.00039 |
| 37680-69-6 | PCB-35 | 0.000885 | J | 0.040 | 0.00039 |
| 38444-87-0 | PCB-36 | ND | | 0.040 | 0.00035 |
| 38444-90-5 | PCB-37 | 0.00242 | J | 0.040 | 0.00036 |
| 53555-66-1 | PCB-38 | 0.000741 | J | 0.040 | 0.00036 |
| 38444-88-1 | PCB-39 | 0.000499 | J q | 0.040 | 0.00034 |
| 38444-93-8 | PCB-40 | 0.00419 | J C | 0.12 | 0.00055 |
| 52663-59-9 | PCB-41 | 0.00419 | J C40 | 0.12 | 0.00055 |
| 36559-22-5 | PCB-42 | ND | | 0.040 | 0.00058 |
| 70362-46-8 | PCB-43 | 0.00214 | J q C | 0.080 | 0.00050 |
| 41464-39-5 | PCB-44 | 0.0257 | J C | 0.12 | 0.00049 |
| 70362-45-7 | PCB-45 | ND | C | 0.080 | 0.00057 |
| 41464-47-5 | PCB-46 | ND | | 0.040 | 0.00066 |
| 2437-79-8 | PCB-47 | 0.0257 | J C44 | 0.12 | 0.00049 |
| 70362-47-9 | PCB-48 | ND | | 0.040 | 0.00053 |
| 41464-40-8 | PCB-49 | 0.00268 | J q C | 0.080 | 0.00044 |
| 62796-65-0 | PCB-50 | 0.00304 | J C | 0.080 | 0.00053 |
| 68194-04-7 | PCB-51 | ND | C45 | 0.080 | 0.00057 |
| 35693-99-3 | PCB-52 | 0.00407 | J | 0.040 | 0.00056 |
| 41464-41-9 | PCB-53 | 0.00304 | J C50 | 0.080 | 0.00053 |
| 15968-05-5 | PCB-54 | 0.000898 | J q | 0.040 | 0.00052 |
| 74338-24-2 | PCB-55 | ND | | 0.040 | 0.00039 |
| 41464-43-1 | PCB-56 | 0.00185 | J q | 0.040 | 0.00040 |
| 70424-67-8 | PCB-57 | ND | | 0.040 | 0.00039 |
| 41464-49-7 | PCB-58 | ND | | 0.040 | 0.00038 |
| 74472-33-6 | PCB-59 | 0.00199 | J q C | 0.12 | 0.00037 |
| 33025-41-1 | PCB-60 | ND | | 0.040 | 0.00038 |
| 33284-53-6 | PCB-61 | 0.00539 | J C | 0.16 | 0.00037 |
| 54230-22-7 | PCB-62 | 0.00199 | J q C59 | 0.12 | 0.00037 |
| 74472-34-7 | PCB-63 | ND | | 0.040 | 0.00034 |
| 52663-58-8 | PCB-64 | 0.00208 | J | 0.040 | 0.00035 |
| 33284-54-7 | PCB-65 | 0.0257 | J C44 | 0.12 | 0.00049 |
| 32598-10-0 | PCB-66 | 0.00162 | J q | 0.040 | 0.00039 |
| 73575-53-8 | PCB-67 | ND | | 0.040 | 0.00036 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 73575-52-7 | PCB-68 | 0.00504 | J | 0.040 | 0.00034 |
| 60233-24-1 | PCB-69 | 0.00268 | J q C49 | 0.080 | 0.00044 |
| 32598-11-1 | PCB-70 | 0.00539 | J C61 | 0.16 | 0.00037 |
| 41464-46-4 | PCB-71 | 0.00419 | J C40 | 0.12 | 0.00055 |
| 41464-42-0 | PCB-72 | ND | | 0.040 | 0.00038 |
| 74338-23-1 | PCB-73 | 0.00214 | J q C43 | 0.080 | 0.00050 |
| 32690-93-0 | PCB-74 | 0.00539 | J C61 | 0.16 | 0.00037 |
| 32598-12-2 | PCB-75 | 0.00199 | J q C59 | 0.12 | 0.00037 |
| 70362-48-0 | PCB-76 | 0.00539 | J C61 | 0.16 | 0.00037 |
| 32598-13-3 | PCB-77 | 0.000782 | J q | 0.040 | 0.00038 |
| 70362-49-1 | PCB-78 | ND | | 0.040 | 0.00038 |
| 41464-48-6 | PCB-79 | ND | | 0.040 | 0.00032 |
| 33284-52-5 | PCB-80 | ND | | 0.040 | 0.00034 |
| 70362-50-4 | PCB-81 | ND | | 0.040 | 0.00038 |
| 52663-62-4 | PCB-82 | ND | | 0.040 | 0.0013 |
| 60145-20-2 | PCB-83 | ND | C | 0.080 | 0.0012 |
| 52663-60-2 | PCB-84 | ND | | 0.040 | 0.0013 |
| 65510-45-4 | PCB-85 | ND | C | 0.12 | 0.00093 |
| 55312-69-1 | PCB-86 | 0.00709 | J C | 0.24 | 0.00095 |
| 38380-02-8 | PCB-87 | 0.00709 | J C86 | 0.24 | 0.00095 |
| 55215-17-3 | PCB-88 | ND | C | 0.080 | 0.0011 |
| 73575-57-2 | PCB-89 | ND | | 0.040 | 0.0013 |
| 68194-07-0 | PCB-90 | 0.00493 | J q C | 0.12 | 0.0010 |
| 68194-05-8 | PCB-91 | ND | C88 | 0.080 | 0.0011 |
| 52663-61-3 | PCB-92 | ND | | 0.040 | 0.0012 |
| 73575-56-1 | PCB-93 | ND | C | 0.080 | 0.0012 |
| 73575-55-0 | PCB-94 | ND | | 0.040 | 0.0013 |
| 38379-99-6 | PCB-95 | ND | | 0.040 | 0.0012 |
| 73575-54-9 | PCB-96 | ND | | 0.040 | 0.00092 |
| 41464-51-1 | PCB-97 | 0.00709 | J C86 | 0.24 | 0.00095 |
| 60233-25-2 | PCB-98 | ND | C | 0.080 | 0.0011 |
| 38380-01-7 | PCB-99 | ND | C83 | 0.080 | 0.0012 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 39485-83-1 | PCB-100 | ND | C93 | 0.080 | 0.0012 |
| 37680-73-2 | PCB-101 | 0.00493 | J q C90 | 0.12 | 0.0010 |
| 68194-06-9 | PCB-102 | ND | C98 | 0.080 | 0.0011 |
| 60145-21-3 | PCB-103 | ND | | 0.040 | 0.0011 |
| 56558-16-8 | PCB-104 | ND | | 0.040 | 0.00081 |
| 32598-14-4 | PCB-105 | 0.00181 | J | 0.040 | 0.00080 |
| 70424-69-0 | PCB-106 | ND | | 0.040 | 0.00080 |
| 70424-68-9 | PCB-107 | ND | | 0.040 | 0.00075 |
| 70362-41-3 | PCB-108 | ND | C | 0.080 | 0.00081 |
| 74472-35-8 | PCB-109 | 0.00709 | J C86 | 0.24 | 0.00095 |
| 38380-03-9 | PCB-110 | 0.00567 | J C | 0.080 | 0.00084 |
| 39635-32-0 | PCB-111 | ND | | 0.040 | 0.00079 |
| 74472-36-9 | PCB-112 | ND | | 0.040 | 0.00083 |
| 68194-10-5 | PCB-113 | 0.00493 | J q C90 | 0.12 | 0.0010 |
| 74472-37-0 | PCB-114 | ND | | 0.040 | 0.00073 |
| 74472-38-1 | PCB-115 | 0.00567 | J C110 | 0.080 | 0.00084 |
| 18259-05-7 | PCB-116 | ND | C85 | 0.12 | 0.00093 |
| 68194-11-6 | PCB-117 | ND | C85 | 0.12 | 0.00093 |
| 31508-00-6 | PCB-118 | 0.00347 | J | 0.040 | 0.00074 |
| 56558-17-9 | PCB-119 | 0.00709 | J C86 | 0.24 | 0.00095 |
| 68194-12-7 | PCB-120 | ND | | 0.040 | 0.00076 |
| 56558-18-0 | PCB-121 | ND | | 0.040 | 0.00081 |
| 76842-07-4 | PCB-122 | ND | | 0.040 | 0.00088 |
| 65510-44-3 | PCB-123 | ND | | 0.040 | 0.00076 |
| 70424-70-3 | PCB-124 | ND | C108 | 0.080 | 0.00081 |
| 74472-39-2 | PCB-125 | 0.00709 | J C86 | 0.24 | 0.00095 |
| 57465-28-8 | PCB-126 | ND | | 0.040 | 0.00080 |
| 39635-33-1 | PCB-127 | ND | | 0.040 | 0.00079 |
| 38380-07-3 | PCB-128 | 0.000965 | J q C | 0.080 | 0.00037 |
| 55215-18-4 | PCB-129 | 0.00449 | J C | 0.16 | 0.00038 |
| 52663-66-8 | PCB-130 | ND | | 0.040 | 0.00049 |
| 61798-70-7 | PCB-131 | ND | | 0.040 | 0.00048 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38380-05-1 | PCB-132 | 0.00158 | J | 0.040 | 0.00046 |
| 35694-04-3 | PCB-133 | ND | | 0.040 | 0.00045 |
| 52704-70-8 | PCB-134 | ND | C | 0.080 | 0.00048 |
| 52744-13-5 | PCB-135 | 0.00221 | J q C | 0.080 | 0.00047 |
| 38411-22-2 | PCB-136 | 0.000644 | J q | 0.040 | 0.00035 |
| 35694-06-5 | PCB-137 | 0.000508 | J q | 0.040 | 0.00039 |
| 35065-28-2 | PCB-138 | 0.00449 | J C129 | 0.16 | 0.00038 |
| 56030-56-9 | PCB-139 | ND | C | 0.080 | 0.00041 |
| 59291-64-4 | PCB-140 | ND | C139 | 0.080 | 0.00041 |
| 52712-04-6 | PCB-141 | 0.00109 | J | 0.040 | 0.00043 |
| 41411-61-4 | PCB-142 | ND | | 0.040 | 0.00048 |
| 68194-15-0 | PCB-143 | ND | C134 | 0.080 | 0.00048 |
| 68194-14-9 | PCB-144 | ND | | 0.040 | 0.00044 |
| 74472-40-5 | PCB-145 | ND | | 0.040 | 0.00034 |
| 51908-16-8 | PCB-146 | ND | | 0.040 | 0.00041 |
| 68194-13-8 | PCB-147 | 0.00336 | J C | 0.080 | 0.00042 |
| 74472-41-6 | PCB-148 | ND | | 0.040 | 0.00045 |
| 38380-04-0 | PCB-149 | 0.00336 | J C147 | 0.080 | 0.00042 |
| 68194-08-1 | PCB-150 | ND | | 0.040 | 0.00033 |
| 52663-63-5 | PCB-151 | 0.00221 | J q C135 | 0.080 | 0.00047 |
| 68194-09-2 | PCB-152 | 0.000704 | J | 0.040 | 0.00032 |
| 35065-27-1 | PCB-153 | 0.00357 | J C | 0.080 | 0.00033 |
| 60145-22-4 | PCB-154 | ND | | 0.040 | 0.00040 |
| 33979-03-2 | PCB-155 | ND | | 0.040 | 0.00031 |
| 38380-08-4 | PCB-156 | ND | C | 0.080 | 0.00037 |
| 69782-90-7 | PCB-157 | ND | C156 | 0.080 | 0.00037 |
| 74472-42-7 | PCB-158 | 0.000791 | J | 0.040 | 0.00029 |
| 39635-35-3 | PCB-159 | ND | | 0.040 | 0.00031 |
| 41411-62-5 | PCB-160 | 0.00449 | J C129 | 0.16 | 0.00038 |
| 74472-43-8 | PCB-161 | ND | | 0.040 | 0.00031 |
| 39635-34-2 | PCB-162 | ND | | 0.040 | 0.00030 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74472-44-9 | PCB-163 | 0.00449 | J C129 | 0.16 | 0.00038 |
| 74472-45-0 | PCB-164 | 0.000633 | J | 0.040 | 0.00033 |
| 74472-46-1 | PCB-165 | ND | | 0.040 | 0.00036 |
| 41411-63-6 | PCB-166 | 0.000965 | J q C128 | 0.080 | 0.00037 |
| 52663-72-6 | PCB-167 | 0.000526 | J | 0.040 | 0.00027 |
| 59291-65-5 | PCB-168 | 0.00357 | J C153 | 0.080 | 0.00033 |
| 32774-16-6 | PCB-169 | 0.000949 | J q | 0.040 | 0.00028 |
| 35065-30-6 | PCB-170 | 0.00118 | J q | 0.040 | 0.00072 |
| 52663-71-5 | PCB-171 | ND | C | 0.080 | 0.00072 |
| 52663-74-8 | PCB-172 | ND | | 0.040 | 0.00069 |
| 68194-16-1 | PCB-173 | ND | C171 | 0.080 | 0.00072 |
| 38411-25-5 | PCB-174 | 0.00126 | J q | 0.040 | 0.00072 |
| 40186-70-7 | PCB-175 | ND | | 0.040 | 0.00064 |
| 52663-65-7 | PCB-176 | ND | | 0.040 | 0.00045 |
| 52663-70-4 | PCB-177 | ND | | 0.040 | 0.00073 |
| 52663-67-9 | PCB-178 | ND | | 0.040 | 0.00067 |
| 52663-64-6 | PCB-179 | 0.000913 | J q | 0.040 | 0.00049 |
| 35065-29-3 | PCB-180 | 0.00302 | J C | 0.080 | 0.00056 |
| 74472-47-2 | PCB-181 | ND | | 0.040 | 0.00062 |
| 60145-23-5 | PCB-182 | ND | | 0.040 | 0.00060 |
| 52663-69-1 | PCB-183 | 0.00233 | J C | 0.080 | 0.00061 |
| 74472-48-3 | PCB-184 | ND | | 0.040 | 0.00049 |
| 52712-05-7 | PCB-185 | 0.00233 | J C183 | 0.080 | 0.00061 |
| 74472-49-4 | PCB-186 | ND | | 0.040 | 0.00048 |
| 52663-68-0 | PCB-187 | 0.00216 | J | 0.040 | 0.00062 |
| 74487-85-7 | PCB-188 | ND | | 0.040 | 0.00044 |
| 39635-31-9 | PCB-189 | ND | | 0.040 | 0.00042 |
| 41411-64-7 | PCB-190 | ND | | 0.040 | 0.00050 |
| 74472-50-7 | PCB-191 | ND | | 0.040 | 0.00050 |
| 74472-51-8 | PCB-192 | ND | | 0.040 | 0.00053 |
| 69782-91-8 | PCB-193 | 0.00302 | J C180 | 0.080 | 0.00056 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-08-7 | PCB-194 | 0.000720 | J q | 0.040 | 0.00039 |
| 52663-78-2 | PCB-195 | ND | | 0.040 | 0.00046 |
| 42740-50-1 | PCB-196 | 0.000621 | J q | 0.040 | 0.00046 |
| 33091-17-7 | PCB-197 | ND | | 0.040 | 0.00033 |
| 68194-17-2 | PCB-198 | 0.000870 | J q C | 0.080 | 0.00049 |
| 52663-75-9 | PCB-199 | 0.000870 | J q C198 | 0.080 | 0.00049 |
| 52663-73-7 | PCB-200 | ND | | 0.040 | 0.00035 |
| 40186-71-8 | PCB-201 | ND | | 0.040 | 0.00034 |
| 2136-99-4 | PCB-202 | ND | | 0.040 | 0.00038 |
| 52663-76-0 | PCB-203 | 0.000917 | J | 0.040 | 0.00043 |
| 74472-52-9 | PCB-204 | ND | | 0.040 | 0.00036 |
| 74472-53-0 | PCB-205 | ND | | 0.040 | 0.00029 |
| 40186-72-9 | PCB-206 | ND | | 0.040 | 0.00090 |
| 52663-79-3 | PCB-207 | ND | | 0.040 | 0.00064 |
| 52663-77-1 | PCB-208 | ND | | 0.040 | 0.00066 |
| 2051-24-3 | PCB-209 | 0.00547 | J | 0.040 | 0.00038 |
| 27323-18-8 | Total Monochlorobiphenyls | 0.0117 | J | 0.040 | 0.00045 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.0428 | J q | 0.080 | 0.0011 |
| 25323-68-6 | Total Trichlorobiphenyls | 0.0412 | J q | 0.080 | 0.00049 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 0.0615 | J q | 0.16 | 0.00043 |
| 25429-29-2 | Total Pentachlorobiphenyls | 0.0230 | J q | 0.24 | 0.00096 |
| 26601-64-9 | Total Hexachlorobiphenyls | 0.0220 | J q | 0.16 | 0.00038 |
| 28655-71-2 | Total Heptachlorobiphenyls | 0.0109 | J q | 0.080 | 0.00058 |
| 55722-26-4 | Total Octachlorobiphenyls | 0.00313 | J q | 0.080 | 0.00039 |
| 53742-07-7 | Total Nonachlorobiphenyls | ND | | 0.040 | 0.00090 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 0.222 | J q | 0.24 | 0.00062 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33603/10-A

Matrix: Water  Lab File ID: mb140-3360310-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 15:55

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 92 | | 30-140 |
| 208263-77-8 | PCB-3L | 96 | | 30-140 |
| 234432-86-1 | PCB-4L | 80 | | 30-140 |
| 208263-67-6 | PCB-15L | 92 | | 30-140 |
| 234432-87-2 | PCB-19L | 76 | | 30-140 |
| 208263-79-0 | PCB-37L | 100 | q | 30-140 |
| 234432-88-3 | PCB-54L | 99 | | 30-140 |
| 105600-23-5 | PCB-77L | 99 | | 30-140 |
| 208461-24-9 | PCB-81L | 98 | | 30-140 |
| 234432-89-4 | PCB-104L | 86 | | 30-140 |
| 208263-62-1 | PCB-105L | 89 | | 30-140 |
| 208263-63-2 | PCB-114L | 89 | | 30-140 |
| 104130-40-7 | PCB-118L | 91 | | 30-140 |
| 208263-64-3 | PCB-123L | 89 | | 30-140 |
| 208263-65-4 | PCB-126L | 98 | | 30-140 |
| 234432-90-7 | PCB-155L | 98 | | 30-140 |
| 208263-68-7 | PCB-156L | 92 | C | 30-140 |
| 235416-30-5 | PCB-157L | 92 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 88 | | 30-140 |
| 208263-70-1 | PCB-169L | 98 | | 30-140 |
| 160901-80-4 | PCB-170L | 88 | | 30-140 |
| 234432-91-8 | PCB-188L | 88 | | 30-140 |
| 208263-73-4 | PCB-189L | 97 | | 30-140 |
| 105600-26-8 | PCB-202L | 98 | | 30-140 |
| 234446-64-1 | PCB-205L | 87 | | 30-140 |
| 208263-75-6 | PCB-206L | 79 | | 30-140 |
| 234432-92-9 | PCB-208L | 87 | | 30-140 |
| 105600-27-9 | PCB-209L | 68 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 86 | | 40-125 |
| 235416-29-2 | PCB-111L | 99 | | 40-125 |
| 232919-67-4 | PCB-178L | 100 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Lims ID: MB 140-33603/10-A
Client ID:
Sample Type: MB
Inject. Date: 24-Sep-2019 15:55:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 21:21:55 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0328

First Level Reviewer: parslyt Date: 24-Sep-2019 21:21:55

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 0.5854 | 0.5854 | 0.0226 | 0.0226 | | |
| D PCB-1L | 11:43 | 756135 | 3.06 | 1.3140 | 92.0 | 92.0 | 0.4576 | 0.4576 | 91.97 | |
| D PCB-3L | 13:54 | 817425 | 3.22 | 1.3615 | 96.0 | 96.0 | 0.4416 | 0.4416 | 95.96 | |
| PCB-1 | 11:44 | 2179 | 3.27 | 1.1883 | 0.2425 | 0.2425 | 0.0225 | 0.0225 | | |
| PCB-2 | 13:43 | 1732 | 3.18 | 1.1911 | 0.1848 | 0.1848 | 0.0227 | 0.0227 | | |
| PCB-3 | 13:54 | 1567 | 2.87 | 1.2130 | 0.1580 | 0.1580 | 0.0226 | 0.0226 | | |
| S Total Dichlorobiphenyls | | | | | 2.220 | 2.138 | 0.0542 | 0.0542 | | RQ |
| D PCB-4L | 14:08 | 300523 | 1.64 | 0.5996 | 80.1 | 80.1 | 0.2574 | 0.2574 | 80.11 | |
| * PCB-9L | 16:06 | 625651 | 1.63 | 4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-8L | 16:58 | | | | | | 0.1737 | 0.1737 | | |
| D PCB-15L | 20:02 | 593343 | 1.60 | 1.0280 | 92.3 | 92.3 | 0.1501 | 0.1501 | 92.25 | |
| PCB-4 | 14:09 | 872 | 1.56 | 1.2533 | 0.2671 | 0.2315 | 0.0812 | 0.0812 | | RQ |
| PCB-10 | 14:22 | | | | | | 0.0555 | 0.0555 | | |
| PCB-9 | 16:09 | | | | | | 0.0579 | 0.0579 | | |
| PCB-7 | 16:19 | | | | | | 0.0507 | 0.0507 | | |
| PCB-6 | 16:32 | 1049 | 1.56 | 1.5539 | 0.1803 | 0.1510 | 0.0530 | 0.0530 | | RQM |
| PCB-5 | 16:51 | | | | | | 0.0527 | 0.0527 | | |
| PCB-8 | 16:59 | 1900 | 1.76 | 1.5884 | 0.2676 | 0.2676 | 0.0518 | 0.0518 | | |
| PCB-14 | 18:37 | | | | | | 0.0439 | 0.0439 | | |
| PCB-11 | 19:25 | 8388 | 1.68 | 1.6347 | 1.148 | 1.148 | 0.0503 | 0.0503 | | M |
| PCB-12 | 19:45 | 1190 | 1.56 | 1.6410 | 0.1790 | 0.1623 | 0.0501 | 0.0501 | | RQ |
| PCB-13 (C12) | 19:45 | 1190 | 1.56 | 1.6410 | 0.1790 | 0.1623 | 0.0501 | 0.0501 | | RQ |
| PCB-15 | 20:03 | 1478 | 1.46 | 1.4024 | 0.1776 | 0.1776 | 0.0493 | 0.0493 | | |
| S Total Trichlorobiphenyl | | | | | 2.236 | 2.059 | 0.0247 | 0.0247 | | RQ |
| D PCB-19L | 17:14 | 173785 | 1.06 | 0.6095 | 76.1 | 76.1 | 2.201 | 2.201 | 76.14 | |
| * PCB-32L | 20:30 | 374507 | 1.07 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:45 | 1526771 | 1.08 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:03 | 1438857 | 1.08 | 1.0975 | 85.9 | 85.9 | 0.3853 | 0.3853 | 85.87 | |
| D PCB-37L | 27:03 | 1373597 | 1.04 | 0.9024 | 118.6 | 99.7 | 0.4686 | 0.4686 | 119 | RQ |
| PCB-19 | 17:17 | | | | | | 0.0483 | 0.0483 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 19:08 | 1030 | 1.16 | 1.8188 | 0.3259 | 0.3259 | 0.0346 | 0.0346 | | |
| PCB-30 (C18) | 19:08 | 1030 | 1.16 | 1.8188 | 0.3259 | 0.3259 | 0.0346 | 0.0346 | | |
| PCB-17 | 19:34 | 519 | 1.18 | 1.5641 | 0.1909 | 0.1909 | 0.0403 | 0.0403 | | |
| PCB-27 | 19:45 | 253 | 1.04 | 2.1680 | 0.1229 | 0.0671 | 0.0291 | 0.0291 | | RQ |
| PCB-24 | 19:53 | 309 | 1.04 | 2.1018 | 0.1101 | 0.0846 | 0.0300 | 0.0300 | | RQM |
| PCB-16 | 20:00 | 326 | 1.04 | 1.2260 | 0.2042 | 0.1530 | 0.0514 | 0.0514 | | RQMa |
| PCB-32 | 20:31 | 783 | 1.20 | 2.3416 | 0.1924 | 0.1924 | 0.0269 | 0.0269 | | M |
| PCB-34 | 21:46 | 662 | 1.04 | 1.2154 | 0.0455 | 0.0333 | 0.0193 | 0.0193 | | RQ |
| PCB-23 | 21:57 | | | | | | 0.0185 | 0.0185 | | |
| PCB-26 | 22:17 | 2051 | 1.04 | 1.3193 | 0.1149 | 0.0951 | 0.0178 | 0.0178 | | RQ |
| PCB-29 (C26) | 22:17 | 2051 | 1.04 | 1.3193 | 0.1149 | 0.0951 | 0.0178 | 0.0178 | | RQ |
| PCB-25 | 22:28 | 1126 | 1.04 | 1.3523 | 0.0608 | 0.0509 | 0.0174 | 0.0174 | | RQ |
| PCB-31 | 22:47 | 3705 | 1.16 | 1.3809 | 0.1642 | 0.1642 | 0.0170 | 0.0170 | | |
| PCB-20 | 23:05 | 4709 | 1.10 | 1.3057 | 0.2206 | 0.2206 | 0.0180 | 0.0180 | | |
| PCB-28 (C20) | 23:05 | 4709 | 1.10 | 1.3057 | 0.2206 | 0.2206 | 0.0180 | 0.0180 | | |
| PCB-21 | 23:19 | 3802 | 1.09 | 1.3777 | 0.1688 | 0.1688 | 0.0171 | 0.0171 | | M |
| PCB-33 (C21) | 23:19 | 3802 | 1.09 | 1.3777 | 0.1688 | 0.1688 | 0.0171 | 0.0171 | | M |
| PCB-22 | 23:42 | 1715 | 1.16 | 1.2430 | 0.0844 | 0.0844 | 0.0189 | 0.0189 | | M |
| PCB-36 | 25:17 | | | | | | 0.0174 | 0.0174 | | |
| PCB-39 | 25:38 | 570 | 1.04 | 1.3970 | 0.0280 | 0.0250 | 0.0168 | 0.0168 | | RQ |
| PCB-38 | 26:13 | 798 | 1.11 | 1.3177 | 0.0371 | 0.0371 | 0.0178 | 0.0178 | | |
| PCB-35 | 26:40 | 880 | 1.03 | 1.2166 | 0.0443 | 0.0443 | 0.0193 | 0.0193 | | |
| PCB-37 | 27:04 | 2551 | 1.07 | 1.2879 | 0.1212 | 0.1212 | 0.0182 | 0.0182 | | |
| S Total Tetrachlorobiphen | | | | | 3.204 | 3.071 | 0.0216 | 0.0216 | | RQ |
| D PCB-54L | 20:20 | 241123 | 0.83 | 0.6515 | 98.8 | 98.8 | 0.1809 | 0.1809 | 98.83 | |
| * PCB-52L | 24:53 | 804572 | 0.81 | 3.9E+04 | 100.0 | 100.0 | | | | |
| $ PCB-79L | 32:50 | | | | | | 0.1582 | 0.1582 | | |
| D PCB-81L | 33:50 | 973782 | 0.81 | 1.2328 | 98.2 | 98.2 | 0.1536 | 0.1536 | 98.17 | |
| D PCB-77L | 34:22 | 995272 | 0.81 | 1.2523 | 98.8 | 98.8 | 0.1512 | 0.1512 | 98.78 | |
| PCB-54 | 20:22 | 136 | 0.77 | 1.2558 | 0.0710 | 0.0449 | 0.0259 | 0.0259 | | RQM |
| PCB-50 | 22:31 | 1401 | 0.67 | 0.9362 | 0.1520 | 0.1520 | 0.0267 | 0.0267 | | |
| PCB-53 (C50) | 22:31 | 1401 | 0.67 | 0.9362 | 0.1520 | 0.1520 | 0.0267 | 0.0267 | | |
| PCB-45 | 23:16 | | | | | | 0.0283 | 0.0283 | | M |
| PCB-51 (C45) | 23:16 | | | | | | 0.0283 | 0.0283 | | M |
| PCB-46 | 23:31 | | | | | | 0.0330 | 0.0330 | | |
| PCB-52 | 24:55 | 1801 | 0.70 | 0.8992 | 0.2034 | 0.2034 | 0.0278 | 0.0278 | | |
| PCB-43 | 25:09 | 1055 | 0.77 | 0.9993 | 0.1337 | 0.1072 | 0.0251 | 0.0251 | | RQMa |
| PCB-73 (C43) | 25:09 | 1055 | 0.77 | 0.9993 | 0.1337 | 0.1072 | 0.0251 | 0.0251 | | RQMa |
| PCB-49 | 25:25 | 1501 | 0.77 | 1.1366 | 0.1500 | 0.1341 | 0.0220 | 0.0220 | | RQ |
| PCB-69 (C49) | 25:25 | 1501 | 0.77 | 1.1366 | 0.1500 | 0.1341 | 0.0220 | 0.0220 | | RQ |
| PCB-48 | 25:42 | | | | | | 0.0265 | 0.0265 | | |
| PCB-44 | 25:57 | 13036 | 0.87 | 1.0323 | 1.283 | 1.283 | 0.0243 | 0.0243 | | |
| PCB-47 (C44) | 25:57 | 13036 | 0.87 | 1.0323 | 1.283 | 1.283 | 0.0243 | 0.0243 | | |
| PCB-65 (C44) | 25:57 | 13036 | 0.87 | 1.0323 | 1.283 | 1.283 | 0.0243 | 0.0243 | | |
| PCB-59 | 26:14 | 1336 | 0.77 | 1.3609 | 0.1204 | 0.0997 | 0.0184 | 0.0184 | | RQ |
| PCB-62 (C59) | 26:14 | 1336 | 0.77 | 1.3609 | 0.1204 | 0.0997 | 0.0184 | 0.0184 | | RQ |
| PCB-75 (C59) | 26:14 | 1336 | 0.77 | 1.3609 | 0.1204 | 0.0997 | 0.0184 | 0.0184 | | RQ |
| PCB-42 | 26:27 | | | | | | 0.0289 | 0.0289 | | |
| PCB-40 | 26:56 | 1893 | 0.70 | 0.9179 | 0.2095 | 0.2095 | 0.0273 | 0.0273 | | M |
| PCB-41 (C40) | 26:56 | 1893 | 0.70 | 0.9179 | 0.2095 | 0.2095 | 0.0273 | 0.0273 | | M |
| PCB-71 (C40) | 26:56 | 1893 | 0.70 | 0.9179 | 0.2095 | 0.2095 | 0.0273 | 0.0273 | | M |
| PCB-64 | 27:10 | 1451 | 0.80 | 1.4164 | 0.1041 | 0.1041 | 0.0177 | 0.0177 | | M |
| PCB-72 | 28:00 | | | | | | 0.0190 | 0.0190 | | |
| PCB-68 | 28:17 | 3668 | 0.78 | 1.4782 | 0.2520 | 0.2520 | 0.0169 | 0.0169 | | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-57 | 28:42 | | | | | | 0.0195 | 0.0195 | | |
| PCB-58 | 28:57 | | | | | | 0.0189 | 0.0189 | | |
| PCB-67 | 29:07 | | | | | | 0.0180 | 0.0180 | | |
| PCB-63 | 29:23 | | | | | | 0.0171 | 0.0171 | | |
| PCB-61 | 29:41 | 3596 | 0.74 | 1.3565 | 0.2693 | 0.2693 | 0.0185 | 0.0185 | | |
| PCB-70 (C61) | 29:41 | 3596 | 0.74 | 1.3565 | 0.2693 | 0.2693 | 0.0185 | 0.0185 | | |
| PCB-74 (C61) | 29:41 | 3596 | 0.74 | 1.3565 | 0.2693 | 0.2693 | 0.0185 | 0.0185 | | |
| PCB-76 (C61) | 29:41 | 3596 | 0.74 | 1.3565 | 0.2693 | 0.2693 | 0.0185 | 0.0185 | | |
| PCB-66 | 30:02 | 1019 | 0.77 | 1.2800 | 0.0912 | 0.0809 | 0.0196 | 0.0196 | | RQ |
| PCB-55 | 30:12 | | | | | | 0.0193 | 0.0193 | | |
| PCB-56 | 30:42 | 1151 | 0.77 | 1.2671 | 0.1069 | 0.0923 | 0.0198 | 0.0198 | | RQ |
| PCB-60 | 30:55 | | | | | | 0.0188 | 0.0188 | | |
| PCB-80 | 31:21 | | | | | | 0.0170 | 0.0170 | | |
| PCB-79 | 32:51 | | | | | | 0.0162 | 0.0162 | | |
| PCB-78 | 33:25 | | | | | | 0.0190 | 0.0190 | | |
| PCB-81 | 33:51 | | | | | | 0.0189 | 0.0189 | | |
| PCB-77 | 34:23 | 518 | 0.77 | 1.3308 | 0.0583 | 0.0391 | 0.0188 | 0.0188 | | RQ |
| S Total Pentachlorobiphen | | | | | 1.186 | 1.149 | 0.0480 | 0.0480 | | RQ |
| D PCB-104L | 25:51 | 518654 | 1.58 | 1.1164 | 86.0 | 86.0 | 0.0965 | 0.0965 | 86.05 | |
| $ PCB-95L | 28:49 | | | | | | 0.1328 | 0.1328 | | |
| * PCB-101L | 31:45 | 539910 | 1.59 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:27 | 647876 | 1.54 | 1.2177 | 98.5 | 98.5 | 0.0885 | 0.0885 | 98.54 | |
| D PCB-123L | 36:24 | 996012 | 1.58 | 0.9909 | 88.8 | 88.8 | 0.6217 | 0.6217 | 88.83 | |
| D PCB-118L | 36:44 | 1054602 | 1.56 | 1.0256 | 90.9 | 90.9 | 0.6007 | 0.6007 | 90.88 | |
| D PCB-114L | 37:15 | 1005562 | 1.64 | 1.0030 | 88.6 | 88.6 | 0.6142 | 0.6142 | 88.61 | |
| D PCB-105L | 37:54 | 1013730 | 1.59 | 1.0013 | 89.5 | 89.5 | 0.6152 | 0.6152 | 89.48 | |
| * PCB-127L | 39:23 | 1131475 | 1.60 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 40:59 | 995627 | 1.57 | 0.9020 | 97.6 | 97.6 | 0.6829 | 0.6829 | 97.55 | |
| PCB-104 | 25:53 | | | | | | 0.0407 | 0.0407 | | |
| PCB-96 | 26:14 | | | | | | 0.0462 | 0.0462 | | |
| PCB-103 | 28:11 | | | | | | 0.0548 | 0.0548 | | |
| PCB-94 | 28:24 | | | | | | 0.0627 | 0.0627 | | |
| PCB-95 | 28:51 | | | | | | 0.0589 | 0.0589 | | RQU |
| PCB-93 | 29:04 | | | | | | 0.0578 | 0.0578 | | RQU |
| PCB-100 (C93) | 29:04 | | | | | | 0.0578 | 0.0578 | | RQU |
| PCB-98 | 29:13 | | | | | | 0.0573 | 0.0573 | | |
| PCB-102 (C98) | 29:13 | | | | | | 0.0573 | 0.0573 | | |
| PCB-88 | 29:43 | | | | | | 0.0564 | 0.0564 | | |
| PCB-91 (C88) | 29:43 | | | | | | 0.0564 | 0.0564 | | |
| PCB-84 | 29:56 | | | | | | 0.0659 | 0.0659 | | |
| PCB-89 | 30:25 | | | | | | 0.0634 | 0.0634 | | |
| PCB-121 | 30:50 | | | | | | 0.0406 | 0.0406 | | |
| PCB-92 | 31:12 | | | | | | 0.0594 | 0.0594 | | |
| PCB-90 | 31:47 | 1454 | 1.55 | 1.1367 | 0.2829 | 0.2466 | 0.0498 | 0.0498 | | RQ |
| PCB-101 (C90) | 31:47 | 1454 | 1.55 | 1.1367 | 0.2829 | 0.2466 | 0.0498 | 0.0498 | | RQ |
| PCB-113 (C90) | 31:47 | 1454 | 1.55 | 1.1367 | 0.2829 | 0.2466 | 0.0498 | 0.0498 | | RQ |
| PCB-83 | 32:22 | | | | | | 0.0603 | 0.0603 | | RQU |
| PCB-99 (C83) | 32:22 | | | | | | 0.0603 | 0.0603 | | RQU |
| PCB-112 | 32:29 | | | | | | 0.0414 | 0.0414 | | |
| PCB-86 | 32:57 | 2200 | 1.37 | 1.1958 | 0.3547 | 0.3547 | 0.0474 | 0.0474 | | M |
| PCB-87 (C86) | 32:57 | 2200 | 1.37 | 1.1958 | 0.3547 | 0.3547 | 0.0474 | 0.0474 | | M |
| PCB-97 (C86) | 32:57 | 2200 | 1.37 | 1.1958 | 0.3547 | 0.3547 | 0.0474 | 0.0474 | | M |
| PCB-109 (C86) | 32:57 | 2200 | 1.37 | 1.1958 | 0.3547 | 0.3547 | 0.0474 | 0.0474 | | M |
| PCB-119 (C86) | 32:57 | 2200 | 1.37 | 1.1958 | 0.3547 | 0.3547 | 0.0474 | 0.0474 | | M |
| PCB-125 (C86) | 32:57 | 2200 | 1.37 | 1.1958 | 0.3547 | 0.3547 | 0.0474 | 0.0474 | | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:30 | | | | | | 0.0467 | 0.0467 | | RQU |
| PCB-116 (C85) | 33:30 | | | | | | 0.0467 | 0.0467 | | RQU |
| PCB-117 (C85) | 33:30 | | | | | | 0.0467 | 0.0467 | | RQU |
| PCB-110 | 33:44 | 1988 | 1.64 | 1.3511 | 0.2837 | 0.2837 | 0.0419 | 0.0419 | | a |
| PCB-115 (C110) | 33:44 | 1988 | 1.64 | 1.3511 | 0.2837 | 0.2837 | 0.0419 | 0.0419 | | a |
| PCB-82 | 34:05 | | | | | | 0.0653 | 0.0653 | | |
| PCB-111 | 34:28 | | | | | | 0.0397 | 0.0397 | | |
| PCB-120 | 34:56 | | | | | | 0.0380 | 0.0380 | | |
| PCB-108 | 36:04 | | | | | | 0.0405 | 0.0405 | | |
| PCB-124 (C108) | 36:04 | | | | | | 0.0405 | 0.0405 | | |
| PCB-107 | 36:18 | | | | | | 0.0375 | 0.0375 | | |
| PCB-123 | 36:26 | | | | | | 0.0380 | 0.0380 | | |
| PCB-106 | 36:33 | | | | | | 0.0399 | 0.0399 | | |
| PCB-118 | 36:46 | 2361 | 1.75 | 1.2892 | 0.1737 | 0.1737 | 0.0370 | 0.0370 | | |
| PCB-122 | 37:06 | | | | | | 0.0438 | 0.0438 | | |
| PCB-114 | 37:17 | | | | | | 0.0365 | 0.0365 | | |
| PCB-105 | 37:54 | 1185 | 1.62 | 1.2887 | 0.0907 | 0.0907 | 0.0399 | 0.0399 | | |
| PCB-127 | 39:25 | | | | | | 0.0396 | 0.0396 | | |
| PCB-126 | 41:01 | | | | | | 0.0398 | 0.0398 | | |
| S Total Hexachlorobipheny | | | | | 1.138 | 1.101 | 0.0191 | 0.0191 | | RQ |
| D PCB-155L | 31:32 | 504653 | 1.32 | 0.9499 | 98.4 | 98.4 | 0.0558 | 0.0558 | 98.40 | |
| $ PCB-153L | 38:37 | 8803 | 1.24 | 0.9597 | 1.171 | 1.054 | 0.3563 | 0.3563 | | RQ |
| * PCB-138L | 39:51 | 785855 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:52 | 865058 | 1.31 | 1.2544 | 87.8 | 87.8 | 0.2521 | 0.2521 | 87.75 | |
| D PCB-156L | 44:01 | 1777800 | 1.27 | 1.2289 | 184.1 | 184.1 | 0.2573 | 0.2573 | 92.04 | |
| D PCB-157L (C156L) | 44:01 | 1777800 | 1.27 | 1.2289 | 184.1 | 184.1 | 0.2573 | 0.2573 | 92.04 | |
| D PCB-169L | 47:15 | 838382 | 1.28 | 1.0883 | 98.0 | 98.0 | 0.2906 | 0.2906 | 98.02 | |
| PCB-155 | 31:34 | | | | | | 0.0156 | 0.0156 | | |
| PCB-152 | 31:45 | 223 | 1.08 | 1.2556 | 0.0352 | 0.0352 | 0.0162 | 0.0162 | | M |
| PCB-150 | 31:56 | | | | | | 0.0164 | 0.0164 | | |
| PCB-136 | 32:16 | 188 | 1.24 | 1.1563 | 0.0391 | 0.0322 | 0.0176 | 0.0176 | | RQ |
| PCB-145 | 32:35 | | | | | | 0.0171 | 0.0171 | | |
| PCB-148 | 34:06 | | | | | | 0.0226 | 0.0226 | | |
| PCB-135 | 34:42 | 485 | 1.24 | 0.8691 | 0.1222 | 0.1106 | 0.0234 | 0.0234 | | RQ |
| PCB-151 (C135) | 34:42 | 485 | 1.24 | 0.8691 | 0.1222 | 0.1106 | 0.0234 | 0.0234 | | RQ |
| PCB-154 | 34:57 | | | | | | 0.0200 | 0.0200 | | |
| PCB-144 | 35:15 | | | | | | 0.0221 | 0.0221 | | |
| PCB-147 | 35:36 | 1423 | 1.05 | 0.9747 | 0.1678 | 0.1678 | 0.0210 | 0.0210 | | |
| PCB-149 (C147) | 35:36 | 1423 | 1.05 | 0.9747 | 0.1678 | 0.1678 | 0.0210 | 0.0210 | | |
| PCB-134 | 35:55 | | | | | | 0.0240 | 0.0240 | | |
| PCB-143 (C134) | 35:55 | | | | | | 0.0240 | 0.0240 | | |
| PCB-139 | 36:13 | | | | | | 0.0204 | 0.0204 | | |
| PCB-140 (C139) | 36:13 | | | | | | 0.0204 | 0.0204 | | |
| PCB-131 | 36:25 | | | | | | 0.0238 | 0.0238 | | |
| PCB-142 | 36:34 | | | | | | 0.0238 | 0.0238 | | |
| PCB-132 | 36:53 | 606 | 1.34 | 0.8801 | 0.0791 | 0.0791 | 0.0232 | 0.0232 | | |
| PCB-133 | 37:23 | | | | | | 0.0225 | 0.0225 | | |
| PCB-165 | 37:47 | | | | | | 0.0182 | 0.0182 | | |
| PCB-146 | 38:02 | | | | | | 0.0203 | 0.0203 | | |
| PCB-161 | 38:10 | | | | | | 0.0153 | 0.0153 | | |
| PCB-153 | 38:37 | 1894 | 1.18 | 1.2207 | 0.1783 | 0.1783 | 0.0167 | 0.0167 | | |
| PCB-168 (C153) | 38:37 | 1894 | 1.18 | 1.2207 | 0.1783 | 0.1783 | 0.0167 | 0.0167 | | |
| PCB-141 | 38:52 | 455 | 1.17 | 0.9608 | 0.0544 | 0.0544 | 0.0213 | 0.0213 | | |
| PCB-130 | 39:14 | | | | | | 0.0247 | 0.0247 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:26 | 234 | 1.24 | 1.0582 | 0.0290 | 0.0254 | 0.0193 | 0.0193 | | RQM |
| PCB-164 | 39:34 | 345 | 1.10 | 1.2527 | 0.0316 | 0.0316 | 0.0163 | 0.0163 | | M |
| PCB-129 | 39:53 | 2118 | 1.16 | 1.0840 | 0.2245 | 0.2245 | 0.0189 | 0.0189 | | |
| PCB-138 (C129) | 39:53 | 2118 | 1.16 | 1.0840 | 0.2245 | 0.2245 | 0.0189 | 0.0189 | | |
| PCB-160 (C129) | 39:53 | 2118 | 1.16 | 1.0840 | 0.2245 | 0.2245 | 0.0189 | 0.0189 | | |
| PCB-163 (C129) | 39:53 | 2118 | 1.16 | 1.0840 | 0.2245 | 0.2245 | 0.0189 | 0.0189 | | |
| PCB-158 | 40:17 | 477 | 1.35 | 1.3862 | 0.0395 | 0.0395 | 0.0147 | 0.0147 | | |
| PCB-128 | 41:09 | 469 | 1.24 | 1.1165 | 0.0585 | 0.0483 | 0.0183 | 0.0183 | | RQM |
| PCB-166 (C128) | 41:09 | 469 | 1.24 | 1.1165 | 0.0585 | 0.0483 | 0.0183 | 0.0183 | | RQM |
| PCB-159 | 42:08 | | | | | | 0.0155 | 0.0155 | | |
| PCB-162 | 42:25 | | | | | | 0.0150 | 0.0150 | | |
| PCB-167 | 42:53 | 304 | 1.30 | 1.3357 | 0.0263 | 0.0263 | 0.0133 | 0.0133 | | |
| PCB-156 | 44:02 | | | | | | 0.0186 | 0.0186 | | |
| PCB-157 (C156) | 44:02 | | | | | | 0.0186 | 0.0186 | | |
| PCB-169 | 47:17 | 510 | 1.24 | 1.2825 | 0.0523 | 0.0474 | 0.0142 | 0.0142 | | RQ |
| S Total Heptachlorobiphen | | | | | 0.5662 | 0.5427 | 0.0291 | 0.0291 | | RQ |
| D PCB-188L | 37:16 | 657102 | 1.08 | 1.3162 | 88.3 | 88.3 | 0.0540 | 0.0540 | 88.34 | |
| $ PCB-178L | 40:19 | 520676 | 1.06 | 0.9222 | 99.9 | 99.9 | 0.0771 | 0.0771 | 99.90 | |
| * PCB-180L | 45:25 | 565164 | 1.07 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:40 | 413800 | 1.08 | 0.8357 | 87.6 | 87.6 | 0.0851 | 0.0851 | 87.61 | |
| D PCB-189L | 49:47 | 1100263 | 1.04 | 1.4666 | 96.8 | 96.8 | 0.9715 | 0.9715 | 96.80 | |
| PCB-188 | 37:18 | | | | | | 0.0221 | 0.0221 | | |
| PCB-179 | 37:38 | 346 | 1.05 | 1.4149 | 0.0541 | 0.0457 | 0.0244 | 0.0244 | | RQ |
| PCB-184 | 38:10 | | | | | | 0.0243 | 0.0243 | | |
| PCB-176 | 38:30 | | | | | | 0.0227 | 0.0227 | | |
| PCB-186 | 38:58 | | | | | | 0.0240 | 0.0240 | | |
| PCB-178 | 40:21 | | | | | | 0.0337 | 0.0337 | | |
| PCB-175 | 41:00 | | | | | | 0.0322 | 0.0322 | | |
| PCB-187 | 41:14 | 641 | 0.90 | 1.1106 | 0.1078 | 0.1078 | 0.0310 | 0.0310 | | |
| PCB-182 | 41:28 | | | | | | 0.0300 | 0.0300 | | |
| PCB-183 | 41:51 | 709 | 0.97 | 1.1368 | 0.1165 | 0.1165 | 0.0303 | 0.0303 | | |
| PCB-185 (C183) | 41:51 | 709 | 0.97 | 1.1368 | 0.1165 | 0.1165 | 0.0303 | 0.0303 | | |
| PCB-174 | 42:06 | 322 | 1.05 | 0.9547 | 0.0726 | 0.0630 | 0.0361 | 0.0361 | | RQ |
| PCB-177 | 42:33 | | | | | | 0.0366 | 0.0366 | | |
| PCB-181 | 42:56 | | | | | | 0.0311 | 0.0311 | | |
| PCB-171 | 43:10 | | | | | | 0.0359 | 0.0359 | | |
| PCB-173 (C171) | 43:10 | | | | | | 0.0359 | 0.0359 | | |
| PCB-172 | 44:48 | | | | | | 0.0347 | 0.0347 | | |
| PCB-192 | 45:04 | | | | | | 0.0267 | 0.0267 | | |
| PCB-180 | 45:26 | 993 | 1.00 | 1.2286 | 0.1509 | 0.1509 | 0.0280 | 0.0280 | | M |
| PCB-193 (C180) | 45:26 | 993 | 1.00 | 1.2286 | 0.1509 | 0.1509 | 0.0280 | 0.0280 | | M |
| PCB-191 | 45:48 | | | | | | 0.0249 | 0.0249 | | |
| PCB-170 | 46:42 | 309 | 1.05 | 1.2700 | 0.0643 | 0.0588 | 0.0360 | 0.0360 | | RQM |
| PCB-190 | 47:14 | | | | | | 0.0250 | 0.0250 | | |
| PCB-189 | 49:49 | | | | | | 0.0210 | 0.0210 | | |
| S Total Octachlorobipheny | | | | | 0.1920 | 0.1564 | 0.0194 | 0.0194 | | RQ |
| D PCB-202L | 42:38 | 556172 | 0.91 | 1.0055 | 97.9 | 97.9 | 0.0354 | 0.0354 | 97.87 | |
| * PCB-194L | 51:55 | 775040 | 0.93 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:23 | 870304 | 0.89 | 1.2867 | 87.3 | 87.3 | 0.3474 | 0.3474 | 87.27 | |
| PCB-202 | 42:40 | | | | | | 0.0190 | 0.0190 | | |
| PCB-201 | 43:36 | | | | | | 0.0168 | 0.0168 | | |
| PCB-204 | 44:16 | | | | | | 0.0181 | 0.0181 | | |
| PCB-197 | 44:30 | | | | | | 0.0166 | 0.0166 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:36 | | | | | | 0.0177 | 0.0177 | | |
| PCB-198 | 47:25 | 198 | 0.89 | 0.8183 | 0.0712 | 0.0435 | 0.0244 | 0.0244 | | RQ |
| PCB-199 (C198) | 47:25 | 198 | 0.89 | 0.8183 | 0.0712 | 0.0435 | 0.0244 | 0.0244 | | RQ |
| PCB-196 | 48:03 | 151 | 0.89 | 0.8748 | 0.0349 | 0.0310 | 0.0228 | 0.0228 | | RQ |
| PCB-203 | 48:14 | 235 | 0.93 | 0.9219 | 0.0458 | 0.0458 | 0.0217 | 0.0217 | | |
| PCB-195 | 49:35 | | | | | | 0.0229 | 0.0229 | | |
| PCB-194 | 51:59 | 291 | 0.89 | 0.9282 | 0.0400 | 0.0360 | 0.0193 | 0.0193 | | RQa |
| PCB-205 | 52:25 | | | | | | 0.0145 | 0.0145 | | |
| S Total Nonachlorobipheny | | | | | | | 0.0449 | 0.0449 | | |
| D PCB-208L | 49:20 | 763127 | 0.79 | 1.1383 | 86.5 | 86.5 | 0.7249 | 0.7249 | 86.50 | |
| D PCB-206L | 54:08 | 544238 | 0.80 | 0.8938 | 78.6 | 78.6 | 0.9232 | 0.9232 | 78.56 | |
| PCB-208 | 49:22 | | | | | | 0.0332 | 0.0332 | | |
| PCB-207 | 50:18 | | | | | | 0.0321 | 0.0321 | | |
| PCB-206 | 54:10 | | | | | | 0.0449 | 0.0449 | | |
| D PCB-209L | 55:47 | 516569 | 0.73 | 0.9809 | 68.0 | 68.0 | 0.0599 | 0.0599 | 67.95 | |
| DCB Decachlorobiphenyl | 55:48 | 1760 | 0.63 | 1.2455 | 0.2735 | 0.2735 | 0.0192 | 0.0192 | | Ma |
| S Polychlorinated bipheny | | | | | 11.0 | 0.2735 | 0.0311 | 0.0311 | | RQ |
| PCB-8L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |
| PCB-47L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |
| PCB-28L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Lims ID: MB 140-33603/10-A
Client ID:
Sample Type: MB
Inject. Date: 24-Sep-2019 15:55:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 21:21:55 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0328

First Level Reviewer: parslyt Date: 24-Sep-2019 21:21:55

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:43 | 11:44 | -2 | 0.728 | 570047 | 217925 | 77 | 192 | 2830 | | |
| 202.0766 | 11:43 | 11:44 | -2 | 0.728 | 186088 | 69762 | 375 | 937 | 186 | 3.06(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:54 | 13:53 | -1 | 0.863 | 623657 | 214369 | 77 | 192 | 2784 | | |
| 202.0766 | 13:54 | 13:53 | -1 | 0.863 | 193768 | 66988 | 375 | 937 | 179 | 3.22(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:44 | 11:44 | -2 | 1.001 | 1669 | 665 | 17 | 42 | 39 | | |
| 190.0363 | 11:45 | 11:44 | -1 | 1.002 | 510 | 175 | 14 | 35 | 13 | 3.27(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:43 | 13:44 | -2 | 0.988 | 1318 | 409 | 17 | 42 | 24 | | |
| 190.0363 | 13:44 | 13:44 | -1 | 0.989 | 414 | 130 | 14 | 35 | 9 | 3.18(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:54 | 13:54 | -1 | 1.001 | 1162 | 339 | 17 | 42 | 20 | | |
| 190.0363 | 13:54 | 13:54 | -1 | 1.001 | 405 | 136 | 14 | 35 | 10 | 2.87(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:08 | 14:08 | -2 | 0.878 | 186580 | 63891 | 78 | 195 | 819 | | |
| 236.0376 | 14:08 | 14:08 | -2 | 0.878 | 113943 | 39321 | 38 | 95 | 1035 | 1.64(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:06 | 16:08 | -2 | | 387918 | 116891 | 78 | 195 | 1499 | | |
| 236.0376 | 16:06 | 16:08 | -2 | | 237733 | 71052 | 38 | 95 | 1870 | 1.63(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 16:55 | | | | | | 78 | 195 | | | |
| 236.0376 | 16:55 | | | | | | 38 | 95 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:02 | 19:59 | -1 | 1.244 | 365550 | 93368 | 78 | 195 | 1197 | | |
| 236.0376 | 20:02 | 19:59 | -1 | 1.244 | 227793 | 58649 | 38 | 95 | 1543 | 1.60(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | RQ |
| 222.0003 | 14:09 | 14:09 | -2 | 1.001 | 665 | 219 | 32 | 80 | 7 | | |
| | Empc Correction | | | | 531 | 180 | 32 | 80 | 6 | | |
| 223.9974 | 14:10 | 14:09 | -1 | 1.002 | 341 | 116 | 10 | 25 | 12 | 1.95(1.33-1.79) | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:19 | | | | | | 32 | 80 | | | |
| 223.9974 | 14:19 | | | | | | 10 | 25 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:07 | | | | | | 32 | 80 | | | |
| 223.9974 | 16:07 | | | | | | 10 | 25 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:17 | | | | | | 32 | 80 | | | |
| 223.9974 | 16:17 | | | | | | 10 | 25 | | | |
| PCB-6 | | | | | | | | | | | RQM |
| 222.0003 | 16:32 | 16:31 | -1 | 1.169 | 842 | 157 | 32 | 80 | 5 | | M |
| | Empc Correction | | | | 639 | 168 | 32 | 80 | 5 | | |
| 223.9974 | 16:32 | 16:31 | -1 | 1.169 | 410 | 108 | 10 | 25 | 11 | 2.05(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:49 | | | | | | 32 | 80 | | | |
| 223.9974 | 16:49 | | | | | | 10 | 25 | | | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:59 | 16:56 | 0 | 1.201 | 1211 | 276 | 32 | 80 | 9 | | |
| 223.9974 | 16:58 | 16:56 | -1 | 1.200 | 689 | 176 | 10 | 25 | 18 | 1.76(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:36 | | | | | | 32 | 80 | | | |
| 223.9974 | 18:36 | | | | | | 10 | 25 | | | |
| PCB-11 | | | | | | | | | | | M |
| 222.0003 | 19:25 | 19:25 | -1 | 0.970 | 5261 | 1192 | 32 | 80 | 37 | | M |
| 223.9974 | 19:25 | 19:25 | -1 | 0.970 | 3127 | 884 | 10 | 25 | 88 | 1.68(1.33-1.79) | M |
| PCB-12 | | | | | | | | | | | RQ |
| 222.0003 | 19:45 | 19:44 | -1 | 0.986 | 848 | 179 | 32 | 80 | 6 | | |
| | Empc Correction | | | | 725 | 163 | 32 | 80 | 5 | | |
| 223.9974 | 19:47 | 19:44 | 1 | 0.988 | 465 | 105 | 10 | 25 | 11 | 1.82(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | RQ |
| 222.0003 | 19:45 | 19:44 | -1 | 0.986 | 848 | 179 | 32 | 80 | 6 | | |
| | Empc Correction | | | | 725 | 163 | 32 | 80 | 5 | | |
| 223.9974 | 19:47 | 19:44 | 1 | 0.988 | 465 | 105 | 10 | 25 | 11 | 1.82(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:03 | 20:02 | -1 | 1.001 | 876 | 201 | 32 | 80 | 6 | | |
| 223.9974 | 20:02 | 20:02 | -1 | 1.001 | 602 | 145 | 10 | 25 | 15 | 1.46(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:14 | 17:14 | -1 | 0.841 | 89608 | 26240 | 374 | 935 | 70 | | |
| 269.9986 | 17:14 | 17:14 | -1 | 0.841 | 84177 | 24540 | 136 | 340 | 180 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:30 | 20:31 | -1 | | 193663 | 48811 | 374 | 935 | 131 | | |
| 269.9986 | 20:30 | 20:31 | -1 | | 180844 | 46248 | 136 | 340 | 340 | 1.07(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:45 | 22:47 | -1 | | 792675 | 187392 | 144 | 360 | 1301 | | |
| 269.9986 | 22:46 | 22:47 | -1 | | 734096 | 178429 | 475 | 1187 | 376 | 1.08(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:03 | 23:02 | -1 | 1.013 | 747500 | 178475 | 144 | 360 | 1239 | | |
| 269.9986 | 23:03 | 23:02 | -1 | 1.013 | 691357 | 170067 | 475 | 1187 | 358 | 1.08(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | RQ |
| 268.0016 | 27:03 | 27:02 | -1 | 1.189 | 961146 | 175348 | 144 | 360 | 1218 | | |
| | Empc Correction | | | | 700265 | 149540 | 144 | 360 | 1038 | | |
| 269.9986 | 27:03 | 27:02 | -1 | 1.189 | 673332 | 143789 | 475 | 1187 | 303 | 1.43(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:16 | | | | | | 5 | 12 | | | |
| 257.9584 | 17:16 | | | | | | 8 | 20 | | | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:06 | 0 | 1.110 | 554 | 140 | 5 | 12 | 28 | | |
| 257.9584 | 19:07 | 19:06 | -1 | 1.109 | 476 | 100 | 8 | 20 | 13 | 1.16(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:08 | 19:06 | 0 | 1.110 | 554 | 140 | 5 | 12 | 28 | | |
| 257.9584 | 19:07 | 19:06 | -1 | 1.109 | 476 | 100 | 8 | 20 | 13 | 1.16(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:34 | 19:32 | 0 | 1.135 | 281 | 51 | 5 | 12 | 10 | | |
| 257.9584 | 19:33 | 19:32 | -1 | 1.134 | 238 | 78 | 8 | 20 | 10 | 1.18(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | RQ |
| 255.9613 | 19:45 | 19:45 | -1 | 1.146 | 129 | 32 | 5 | 12 | 6 | | |
| 257.9584 | 19:46 | 19:45 | -1 | 1.146 | 334 | 53 | 8 | 20 | 7 | 0.39(0.88-1.20) | |
| | Empc Correction | | | | 124 | 30 | 8 | 20 | 4 | | |
| PCB-24 | | | | | | | | | | | RQM |
| 255.9613 | 19:53 | 19:54 | -1 | 1.153 | 158 | 50 | 5 | 12 | 10 | | |
| 257.9584 | 19:54 | 19:54 | 0 | 1.155 | 244 | 55 | 8 | 20 | 7 | 0.65(0.88-1.20) | M |
| | Empc Correction | | | | 151 | 48 | 8 | 20 | 6 | | |
| PCB-16 | | | | | | | | | | | RQMa |
| 255.9613 | 20:00 | 20:00 | -1 | 1.160 | 275 | 70 | 5 | 12 | 14 | | M |
| | Empc Correction | | | | 166 | 29 | 5 | 12 | 6 | | |
| 257.9584 | 19:58 | 20:00 | -4 | 1.158 | 160 | 28 | 8 | 20 | 4 | 1.72(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | M |
| 255.9613 | 20:31 | 20:31 | -1 | 1.190 | 427 | 101 | 5 | 12 | 20 | | M |
| 257.9584 | 20:31 | 20:31 | -2 | 1.190 | 356 | 74 | 8 | 20 | 9 | 1.20(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | RQ |
| 255.9613 | 21:46 | 21:46 | -1 | 1.263 | 578 | 124 | 16 | 40 | 8 | | |
| | Empc Correction | | | | 337 | 118 | 16 | 40 | 7 | | |
| 257.9584 | 21:47 | 21:46 | -1 | 1.264 | 325 | 114 | 14 | 35 | 8 | 1.78(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:55 | | | | | | 16 | 40 | | | |
| 257.9584 | 21:55 | | | | | | 14 | 35 | | | |
| PCB-26 | | | | | | | | | | | RQ |
| 255.9613 | 22:17 | 22:14 | 1 | 1.292 | 1046 | 195 | 16 | 40 | 12 | | |
| 257.9584 | 22:16 | 22:14 | 0 | 1.292 | 1432 | 231 | 14 | 35 | 17 | 0.73(0.88-1.20) | |
| | Empc Correction | | | | 1005 | 187 | 14 | 35 | 13 | | |
| PCB-29 (C26) | | | | | | | | | | | RQ |
| 255.9613 | 22:17 | 22:14 | 1 | 1.292 | 1046 | 195 | 16 | 40 | 12 | | |
| 257.9584 | 22:16 | 22:14 | 0 | 1.292 | 1432 | 231 | 14 | 35 | 17 | 0.73(0.88-1.20) | |
| | Empc Correction | | | | 1005 | 187 | 14 | 35 | 13 | | |
| PCB-25 | | | | | | | | | | | RQ |
| 255.9613 | 22:28 | 22:29 | -2 | 0.830 | 792 | 149 | 16 | 40 | 9 | | |
| | Empc Correction | | | | 574 | 144 | 16 | 40 | 9 | | |
| 257.9584 | 22:28 | 22:29 | -2 | 0.830 | 552 | 139 | 14 | 35 | 10 | 1.43(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:47 | 22:47 | -1 | 0.842 | 1989 | 487 | 16 | 40 | 30 | | |
| 257.9584 | 22:47 | 22:47 | -1 | 0.842 | 1716 | 409 | 14 | 35 | 29 | 1.16(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:05 | -1 | 0.853 | 2469 | 553 | 16 | 40 | 35 | | |
| 257.9584 | 23:04 | 23:05 | -2 | 0.853 | 2240 | 497 | 14 | 35 | 36 | 1.10(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:05 | 23:05 | -1 | 0.853 | 2469 | 553 | 16 | 40 | 35 | | |
| 257.9584 | 23:04 | 23:05 | -2 | 0.853 | 2240 | 497 | 14 | 35 | 36 | 1.10(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | M |
| 255.9613 | 23:19 | 23:19 | -1 | 0.862 | 1987 | 325 | 16 | 40 | 20 | | M |
| 257.9584 | 23:19 | 23:19 | -1 | 0.862 | 1815 | 319 | 14 | 35 | 23 | 1.09(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | M |
| 255.9613 | 23:19 | 23:19 | -1 | 0.862 | 1987 | 325 | 16 | 40 | 20 | | M |
| 257.9584 | 23:19 | 23:19 | -1 | 0.862 | 1815 | 319 | 14 | 35 | 23 | 1.09(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | M |
| 255.9613 | 23:42 | 23:43 | -1 | 0.876 | 920 | 219 | 16 | 40 | 14 | | M |
| 257.9584 | 23:42 | 23:43 | -2 | 0.876 | 795 | 149 | 14 | 35 | 11 | 1.16(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:16 | | | | | | 16 | 40 | | | |
| 257.9584 | 25:16 | | | | | | 14 | 35 | | | |
| PCB-39 | | | | | | | | | | | RQ |
| 255.9613 | 25:38 | 25:37 | 0 | 0.948 | 291 | 68 | 16 | 40 | 4 | | |
| 257.9584 | 25:38 | 25:37 | 0 | 0.948 | 349 | 88 | 14 | 35 | 6 | 0.83(0.88-1.20) | |
| | Empc Correction | | | | 279 | 65 | 14 | 35 | 5 | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:13 | 26:12 | -1 | 0.969 | 420 | 88 | 16 | 40 | 6 | | |
| 257.9584 | 26:14 | 26:12 | 1 | 0.970 | 378 | 80 | 14 | 35 | 6 | 1.11(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:40 | 26:40 | -1 | 0.986 | 446 | 83 | 16 | 40 | 5 | | |
| 257.9584 | 26:40 | 26:40 | -1 | 0.986 | 434 | 114 | 14 | 35 | 8 | 1.03(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:04 | 27:04 | -1 | 1.000 | 1321 | 213 | 16 | 40 | 13 | | |
| 257.9584 | 27:04 | 27:04 | -1 | 1.000 | 1230 | 202 | 14 | 35 | 14 | 1.07(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:20 | 20:20 | -1 | 0.817 | 109146 | 27478 | 30 | 75 | 916 | | |
| 303.9597 | 20:20 | 20:20 | -1 | 0.817 | 131977 | 33908 | 15 | 37 | 2261 | 0.83(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:53 | 24:54 | -1 | | 359760 | 83602 | 49 | 122 | 1706 | | |
| 303.9597 | 24:53 | 24:54 | -1 | | 444812 | 103859 | 93 | 232 | 1117 | 0.81(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:50 | | | | | | 49 | 122 | | | |
| 303.9597 | 32:50 | | | | | | 93 | 232 | | | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:50 | 33:48 | 0 | 1.359 | 434821 | 88914 | 49 | 122 | 1815 | | |
| 303.9597 | 33:50 | 33:48 | 0 | 1.359 | 538961 | 110864 | 93 | 232 | 1192 | 0.81(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:22 | 34:22 | -1 | 1.381 | 446518 | 89513 | 49 | 122 | 1827 | | |
| 303.9597 | 34:23 | 34:22 | 0 | 1.382 | 548754 | 110112 | 93 | 232 | 1184 | 0.81(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | RQM |
| 289.9224 | 20:22 | 20:20 | 0 | 1.000 | 138 | 38 | 4 | 10 | 10 | | M |
| | Empc Correction | | | | 59 | 25 | 4 | 10 | 6 | | |
| 291.9194 | 20:20 | 20:20 | -1 | 0.999 | 77 | 33 | 4 | 10 | 8 | 1.79(0.65-0.89) | M |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:30 | -2 | 1.107 | 563 | 95 | 7 | 17 | 14 | | |
| 291.9194 | 22:31 | 22:30 | -1 | 1.108 | 838 | 159 | 13 | 32 | 12 | 0.67(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:31 | 22:30 | -2 | 1.107 | 563 | 95 | 7 | 17 | 14 | | |
| 291.9194 | 22:31 | 22:30 | -1 | 1.108 | 838 | 159 | 13 | 32 | 12 | 0.67(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:13 | | | | | | 7 | 17 | | | |
| 291.9194 | 23:13 | | | | | | 13 | 32 | | | |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:13 | | | | | | 7 | 17 | | | |
| 291.9194 | 23:13 | | | | | | 13 | 32 | | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:28 | | | | | | 7 | 17 | | | |
| 291.9194 | 23:28 | | | | | | 13 | 32 | | | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:55 | 24:52 | -1 | 1.226 | 743 | 184 | 7 | 17 | 26 | | |
| 291.9194 | 24:55 | 24:52 | -1 | 1.226 | 1058 | 251 | 13 | 32 | 19 | 0.70(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | RQMa |
| 289.9224 | 25:09 | 25:09 | 5 | 1.238 | 459 | 60 | 7 | 17 | 9 | | M |
| 291.9194 | 25:03 | 25:09 | -1 | 1.233 | 856 | 121 | 13 | 32 | 9 | 0.54(0.65-0.89) | M |
| | Empc Correction | | | | 596 | 77 | 13 | 32 | 6 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-73 (C43) | | | | | | | | | | | RQMa |
| 289.9224 | 25:09 | 25:09 | 5 | 1.238 | 459 | 60 | 7 | 17 | 9 | | M |
| 291.9194 | 25:03 | 25:09 | -1 | 1.233 | 856 | 121 | 13 | 32 | 9 | 0.54(0.65-0.89) | M |
| | Empc Correction | | | | 596 | 77 | 13 | 32 | 6 | | |
| PCB-49 | | | | | | | | | | | RQ |
| 289.9224 | 25:25 | 25:20 | 2 | 1.250 | 653 | 143 | 7 | 17 | 20 | | |
| 291.9194 | 25:24 | 25:20 | 1 | 1.250 | 1026 | 191 | 13 | 32 | 15 | 0.64(0.65-0.89) | |
| | Empc Correction | | | | 848 | 185 | 13 | 32 | 14 | | |
| PCB-69 (C49) | | | | | | | | | | | RQ |
| 289.9224 | 25:25 | 25:20 | 2 | 1.250 | 653 | 143 | 7 | 17 | 20 | | |
| 291.9194 | 25:24 | 25:20 | 1 | 1.250 | 1026 | 191 | 13 | 32 | 15 | 0.64(0.65-0.89) | |
| | Empc Correction | | | | 848 | 185 | 13 | 32 | 14 | | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:39 | | | | | | 7 | 17 | | | |
| 291.9194 | 25:39 | | | | | | 13 | 32 | | | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:53 | 1 | 1.277 | 6065 | 1243 | 7 | 17 | 178 | | |
| 291.9194 | 25:57 | 25:53 | 1 | 1.277 | 6971 | 1541 | 13 | 32 | 119 | 0.87(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:53 | 1 | 1.277 | 6065 | 1243 | 7 | 17 | 178 | | |
| 291.9194 | 25:57 | 25:53 | 1 | 1.277 | 6971 | 1541 | 13 | 32 | 119 | 0.87(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:53 | 1 | 1.277 | 6065 | 1243 | 7 | 17 | 178 | | |
| 291.9194 | 25:57 | 25:53 | 1 | 1.277 | 6971 | 1541 | 13 | 32 | 119 | 0.87(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | RQ |
| 289.9224 | 26:14 | 26:11 | 0 | 1.291 | 858 | 119 | 7 | 17 | 17 | | |
| | Empc Correction | | | | 581 | 129 | 7 | 17 | 18 | | |
| 291.9194 | 26:14 | 26:11 | 0 | 1.291 | 755 | 168 | 13 | 32 | 13 | 1.14(0.65-0.89) | |
| PCB-62 (C59) | | | | | | | | | | | RQ |
| 289.9224 | 26:14 | 26:11 | 0 | 1.291 | 858 | 119 | 7 | 17 | 17 | | |
| | Empc Correction | | | | 581 | 129 | 7 | 17 | 18 | | |
| 291.9194 | 26:14 | 26:11 | 0 | 1.291 | 755 | 168 | 13 | 32 | 13 | 1.14(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | RQ |
| 289.9224 | 26:14 | 26:11 | 0 | 1.291 | 858 | 119 | 7 | 17 | 17 | | |
| | Empc Correction | | | | 581 | 129 | 7 | 17 | 18 | | |
| 291.9194 | 26:14 | 26:11 | 0 | 1.291 | 755 | 168 | 13 | 32 | 13 | 1.14(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:24 | | | | | | 7 | 17 | | | |
| 291.9194 | 26:24 | | | | | | 13 | 32 | | | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:55 | -1 | 1.325 | 779 | 137 | 7 | 17 | 20 | | M |
| 291.9194 | 26:55 | 26:55 | -2 | 1.324 | 1114 | 139 | 13 | 32 | 11 | 0.70(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:55 | -1 | 1.325 | 779 | 137 | 7 | 17 | 20 | | M |
| 291.9194 | 26:55 | 26:55 | -2 | 1.324 | 1114 | 139 | 13 | 32 | 11 | 0.70(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:56 | 26:55 | -1 | 1.325 | 779 | 137 | 7 | 17 | 20 | | M |
| 291.9194 | 26:55 | 26:55 | -2 | 1.324 | 1114 | 139 | 13 | 32 | 11 | 0.70(0.65-0.89) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-64 | | | | | | | | | | | M |
| 289.9224 | 27:10 | 27:06 | 0 | 1.337 | 643 | 140 | 7 | 17 | 20 | | |
| 291.9194 | 27:08 | 27:06 | -2 | 1.335 | 808 | 154 | 13 | 32 | 12 | 0.80(0.65-0.89) | M |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:59 | | | | | | 7 | 17 | | | |
| 291.9194 | 27:59 | | | | | | 13 | 32 | | | |
| PCB-68 | | | | | | | | | | | M |
| 289.9224 | 28:17 | 28:16 | -1 | 0.836 | 1611 | 376 | 7 | 17 | 54 | | |
| 291.9194 | 28:17 | 28:16 | -1 | 0.836 | 2057 | 403 | 13 | 32 | 31 | 0.78(0.65-0.89) | M |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:41 | | | | | | 7 | 17 | | | |
| 291.9194 | 28:41 | | | | | | 13 | 32 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:56 | | | | | | 7 | 17 | | | |
| 291.9194 | 28:56 | | | | | | 13 | 32 | | | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:06 | | | | | | 7 | 17 | | | |
| 291.9194 | 29:06 | | | | | | 13 | 32 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:22 | | | | | | 7 | 17 | | | |
| 291.9194 | 29:22 | | | | | | 13 | 32 | | | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | -1 | 0.878 | 1524 | 237 | 7 | 17 | 34 | | |
| 291.9194 | 29:42 | 29:42 | -1 | 0.878 | 2072 | 325 | 13 | 32 | 25 | 0.74(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | -1 | 0.878 | 1524 | 237 | 7 | 17 | 34 | | |
| 291.9194 | 29:42 | 29:42 | -1 | 0.878 | 2072 | 325 | 13 | 32 | 25 | 0.74(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | -1 | 0.878 | 1524 | 237 | 7 | 17 | 34 | | |
| 291.9194 | 29:42 | 29:42 | -1 | 0.878 | 2072 | 325 | 13 | 32 | 25 | 0.74(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:42 | -1 | 0.878 | 1524 | 237 | 7 | 17 | 34 | | |
| 291.9194 | 29:42 | 29:42 | -1 | 0.878 | 2072 | 325 | 13 | 32 | 25 | 0.74(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | RQ |
| 289.9224 | 30:02 | 30:01 | -1 | 0.888 | 573 | 119 | 7 | 17 | 17 | | |
| | Empc Correction | | | | 443 | 91 | 7 | 17 | 13 | | |
| 291.9194 | 30:01 | 30:01 | -1 | 0.887 | 576 | 119 | 13 | 32 | 9 | 0.99(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:12 | | | | | | 7 | 17 | | | |
| 291.9194 | 30:12 | | | | | | 13 | 32 | | | |
| PCB-56 | | | | | | | | | | | RQ |
| 289.9224 | 30:42 | 30:41 | -1 | 0.907 | 501 | 107 | 7 | 17 | 15 | | |
| 291.9194 | 30:42 | 30:41 | -1 | 0.907 | 833 | 140 | 13 | 32 | 11 | 0.60(0.65-0.89) | |
| | Empc Correction | | | | 650 | 138 | 13 | 32 | 11 | | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:54 | | | | | | 7 | 17 | | | |
| 291.9194 | 30:54 | | | | | | 13 | 32 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:19 | | | | | | 7 | 17 | | | |
| 291.9194 | 31:19 | | | | | | 13 | 32 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:50 | | | | | | 7 | 17 | | | |
| 291.9194 | 32:50 | | | | | | 13 | 32 | | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:24 | | | | | | 7 | 17 | | | |
| 291.9194 | 33:24 | | | | | | 13 | 32 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:50 | | | | | | 7 | 17 | | | |
| 291.9194 | 33:50 | | | | | | 13 | 32 | | | |
| PCB-77 | | | | | | | | | | | RQ |
| 289.9224 | 34:23 | 34:23 | -2 | 1.000 | 479 | 90 | 7 | 17 | 13 | | |
| | Empc Correction | | | | 225 | 53 | 7 | 17 | 8 | | |
| 291.9194 | 34:22 | 34:23 | -2 | 1.000 | 293 | 70 | 13 | 32 | 5 | 1.63(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:50 | -1 | 0.814 | 317726 | 72633 | 23 | 57 | 3158 | | |
| 339.9178 | 25:51 | 25:50 | -1 | 0.814 | 200928 | 45611 | 26 | 65 | 1754 | 1.58(1.32-1.78) | |
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:49 | | | | | | 23 | 57 | | | |
| 339.9178 | 28:49 | | | | | | 26 | 65 | | | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:45 | 31:46 | -1 | | 331097 | 69903 | 23 | 57 | 3039 | | |
| 339.9178 | 31:45 | 31:46 | -1 | | 208813 | 43299 | 26 | 65 | 1665 | 1.59(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:27 | 34:25 | 0 | 1.085 | 392407 | 81517 | 23 | 57 | 3544 | | |
| 339.9178 | 34:26 | 34:25 | -1 | 1.085 | 255469 | 52023 | 26 | 65 | 2001 | 1.54(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:24 | 36:23 | -1 | 1.146 | 610072 | 125767 | 348 | 870 | 361 | | |
| 339.9178 | 36:24 | 36:23 | -1 | 1.146 | 385940 | 80382 | 210 | 525 | 383 | 1.58(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:44 | 36:43 | -1 | 1.157 | 643143 | 134426 | 348 | 870 | 386 | | |
| 339.9178 | 36:44 | 36:43 | -1 | 1.157 | 411459 | 85702 | 210 | 525 | 408 | 1.56(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:15 | 37:14 | -1 | 1.173 | 624634 | 127699 | 348 | 870 | 367 | | |
| 339.9178 | 37:15 | 37:14 | -1 | 1.173 | 380928 | 77266 | 210 | 525 | 368 | 1.64(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:54 | 37:53 | 0 | 1.194 | 622006 | 124645 | 348 | 870 | 358 | | |
| 339.9178 | 37:54 | 37:53 | 0 | 1.194 | 391724 | 79587 | 210 | 525 | 379 | 1.59(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:23 | 39:23 | 0 | | 695860 | 138576 | 348 | 870 | 398 | | |
| 339.9178 | 39:23 | 39:23 | 0 | | 435615 | 87874 | 210 | 525 | 418 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:59 | 40:58 | 0 | 1.291 | 608791 | 119610 | 348 | 870 | 344 | | |
| 339.9178 | 40:59 | 40:58 | 0 | 1.291 | 386836 | 76835 | 210 | 525 | 366 | 1.57(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:52 | | | | | | 18 | 45 | | | |
| 327.8775 | 25:52 | | | | | | 9 | 22 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | | | | | | 18 | 45 | | | |
| 327.8775 | 26:14 | | | | | | 9 | 22 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:10 | | | | | | 18 | 45 | | | |
| 327.8775 | 28:10 | | | | | | 9 | 22 | | | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:23 | | | | | | 18 | 45 | | | |
| 327.8775 | 28:23 | | | | | | 9 | 22 | | | |
| PCB-95 | | | | | | | | | | | RQU |
| 325.8804 | 28:49 | | | | | | 18 | 45 | | | |
| 327.8775 | 28:49 | | | | | | 9 | 22 | | | |
| PCB-93 | | | | | | | | | | | RQU |
| 325.8804 | 29:02 | | | | | | 18 | 45 | | | |
| 327.8775 | 29:02 | | | | | | 9 | 22 | | | |
| PCB-100 (C93) | | | | | | | | | | | RQU |
| 325.8804 | 29:02 | | | | | | 18 | 45 | | | |
| 327.8775 | 29:02 | | | | | | 9 | 22 | | | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:12 | | | | | | 18 | 45 | | | |
| 327.8775 | 29:12 | | | | | | 9 | 22 | | | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:12 | | | | | | 18 | 45 | | | |
| 327.8775 | 29:12 | | | | | | 9 | 22 | | | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:42 | | | | | | 18 | 45 | | | |
| 327.8775 | 29:42 | | | | | | 9 | 22 | | | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:42 | | | | | | 18 | 45 | | | |
| 327.8775 | 29:42 | | | | | | 9 | 22 | | | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:54 | | | | | | 18 | 45 | | | |
| 327.8775 | 29:54 | | | | | | 9 | 22 | | | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:24 | | | | | | 18 | 45 | | | |
| 327.8775 | 30:24 | | | | | | 9 | 22 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:48 | | | | | | 18 | 45 | | | |
| 327.8775 | 30:48 | | | | | | 9 | 22 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:11 | | | | | | 18 | 45 | | | |
| 327.8775 | 31:11 | | | | | | 9 | 22 | | | |
| PCB-90 | | | | | | | | | | | RQ |
| 325.8804 | 31:47 | 31:44 | 0 | 1.230 | 884 | 164 | 18 | 45 | 9 | | |
| 327.8775 | 31:47 | 31:44 | 1 | 1.230 | 784 | 135 | 9 | 22 | 15 | 1.13(1.32-1.78) | |
| | Empc Correction | | | | 570 | 105 | 9 | 22 | 12 | | |
| PCB-101 (C90) | | | | | | | | | | | RQ |
| 325.8804 | 31:47 | 31:44 | 0 | 1.230 | 884 | 164 | 18 | 45 | 9 | | |
| 327.8775 | 31:47 | 31:44 | 1 | 1.230 | 784 | 135 | 9 | 22 | 15 | 1.13(1.32-1.78) | |
| | Empc Correction | | | | 570 | 105 | 9 | 22 | 12 | | |
| PCB-113 (C90) | | | | | | | | | | | RQ |
| 325.8804 | 31:47 | 31:44 | 0 | 1.230 | 884 | 164 | 18 | 45 | 9 | | |
| 327.8775 | 31:47 | 31:44 | 1 | 1.230 | 784 | 135 | 9 | 22 | 15 | 1.13(1.32-1.78) | |
| | Empc Correction | | | | 570 | 105 | 9 | 22 | 12 | | |
| PCB-83 | | | | | | | | | | | RQU |
| 325.8804 | 32:20 | | | | | | 18 | 45 | | | |
| 327.8775 | 32:20 | | | | | | 9 | 22 | | | |
| PCB-99 (C83) | | | | | | | | | | | RQU |
| 325.8804 | 32:20 | | | | | | 18 | 45 | | | |
| 327.8775 | 32:20 | | | | | | 9 | 22 | | | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:28 | | | | | | 18 | 45 | | | |
| 327.8775 | 32:28 | | | | | | 9 | 22 | | | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:49 | 5 | 1.275 | 1270 | 131 | 18 | 45 | 7 | | M |
| 327.8775 | 32:53 | 32:49 | 2 | 1.272 | 930 | 93 | 9 | 22 | 10 | 1.37(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:49 | 5 | 1.275 | 1270 | 131 | 18 | 45 | 7 | | M |
| 327.8775 | 32:53 | 32:49 | 2 | 1.272 | 930 | 93 | 9 | 22 | 10 | 1.37(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:49 | 5 | 1.275 | 1270 | 131 | 18 | 45 | 7 | | M |
| 327.8775 | 32:53 | 32:49 | 2 | 1.272 | 930 | 93 | 9 | 22 | 10 | 1.37(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:49 | 5 | 1.275 | 1270 | 131 | 18 | 45 | 7 | | M |
| 327.8775 | 32:53 | 32:49 | 2 | 1.272 | 930 | 93 | 9 | 22 | 10 | 1.37(1.32-1.78) | M |
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:49 | 5 | 1.275 | 1270 | 131 | 18 | 45 | 7 | | M |
| 327.8775 | 32:53 | 32:49 | 2 | 1.272 | 930 | 93 | 9 | 22 | 10 | 1.37(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:57 | 32:49 | 5 | 1.275 | 1270 | 131 | 18 | 45 | 7 | | M |
| 327.8775 | 32:53 | 32:49 | 2 | 1.272 | 930 | 93 | 9 | 22 | 10 | 1.37(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | RQU |
| 325.8804 | 33:33 | | | | | | 18 | 45 | | | |
| 327.8775 | 33:33 | | | | | | 9 | 22 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-116 (C85) | | | | | | | | | | | RQU |
| 325.8804 | 33:33 | | | | | | 18 | 45 | | | |
| 327.8775 | 33:33 | | | | | | 9 | 22 | | | |
| PCB-117 (C85) | | | | | | | | | | | RQU |
| 325.8804 | 33:33 | | | | | | 18 | 45 | | | |
| 327.8775 | 33:33 | | | | | | 9 | 22 | | | |
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:44 | 33:44 | -6 | 1.305 | 1236 | 216 | 18 | 45 | 12 | | a |
| 327.8775 | 33:44 | 33:44 | -6 | 1.305 | 752 | 125 | 9 | 22 | 14 | 1.64(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:44 | 33:44 | -6 | 1.305 | 1236 | 216 | 18 | 45 | 12 | | a |
| 327.8775 | 33:44 | 33:44 | -6 | 1.305 | 752 | 125 | 9 | 22 | 14 | 1.64(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:04 | | | | | | 18 | 45 | | | |
| 327.8775 | 34:04 | | | | | | 9 | 22 | | | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:27 | | | | | | 18 | 45 | | | |
| 327.8775 | 34:27 | | | | | | 9 | 22 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:55 | | | | | | 18 | 45 | | | |
| 327.8775 | 34:55 | | | | | | 9 | 22 | | | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:03 | | | | | | 27 | 67 | | | |
| 327.8775 | 36:03 | | | | | | 15 | 37 | | | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:03 | | | | | | 27 | 67 | | | |
| 327.8775 | 36:03 | | | | | | 15 | 37 | | | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:17 | | | | | | 27 | 67 | | | |
| 327.8775 | 36:17 | | | | | | 15 | 37 | | | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:25 | | | | | | 27 | 67 | | | |
| 327.8775 | 36:25 | | | | | | 15 | 37 | | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:32 | | | | | | 27 | 67 | | | |
| 327.8775 | 36:32 | | | | | | 15 | 37 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:46 | 36:44 | 1 | 1.001 | 1502 | 286 | 27 | 67 | 11 | | |
| 327.8775 | 36:44 | 36:44 | -1 | 1.000 | 859 | 200 | 15 | 37 | 13 | 1.75(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:06 | | | | | | 27 | 67 | | | |
| 327.8775 | 37:06 | | | | | | 15 | 37 | | | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:16 | | | | | | 27 | 67 | | | |
| 327.8775 | 37:16 | | | | | | 15 | 37 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:54 | 37:55 | -2 | 1.000 | 733 | 159 | 27 | 67 | 6 | | |
| 327.8775 | 37:54 | 37:55 | -2 | 1.000 | 452 | 111 | 15 | 37 | 7 | 1.62(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:24 | | | | | | 27 | 67 | | | |
| 327.8775 | 39:24 | | | | | | 15 | 37 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:01 | | | | | | 27 | 67 | | | |
| 327.8775 | 41:01 | | | | | | 15 | 37 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:32 | 31:32 | -1 | 0.791 | 287496 | 61568 | 10 | 25 | 6157 | | |
| 373.8788 | 31:32 | 31:32 | -1 | 0.791 | 217157 | 46741 | 14 | 35 | 3339 | 1.32(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | RQ |
| 371.8817 | 38:37 | 38:37 | 0 | 0.901 | 5854 | 1334 | 110 | 275 | 12 | | |
| | Empc Correction | | | | 4873 | 1285 | 110 | 275 | 12 | | |
| 373.8788 | 38:37 | 38:37 | -1 | 0.901 | 3930 | 1037 | 91 | 227 | 11 | 1.49(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:51 | 39:51 | 0 | | 439410 | 88946 | 110 | 275 | 809 | | |
| 373.8788 | 39:51 | 39:51 | 0 | | 346445 | 69797 | 91 | 227 | 767 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:52 | 42:51 | -1 | 1.075 | 491299 | 97487 | 110 | 275 | 886 | | |
| 373.8788 | 42:52 | 42:51 | -1 | 1.075 | 373759 | 71724 | 91 | 227 | 788 | 1.31(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:00 | -1 | 1.104 | 993954 | 141529 | 110 | 275 | 1287 | | |
| 373.8788 | 44:01 | 44:00 | -1 | 1.104 | 783846 | 111840 | 91 | 227 | 1229 | 1.27(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:00 | -1 | 1.104 | 993954 | 141529 | 110 | 275 | 1287 | | |
| 373.8788 | 44:01 | 44:00 | -1 | 1.104 | 783846 | 111840 | 91 | 227 | 1229 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:15 | 47:14 | 0 | 1.186 | 470661 | 91047 | 110 | 275 | 828 | | |
| 373.8788 | 47:15 | 47:14 | 0 | 1.186 | 367721 | 73583 | 91 | 227 | 809 | 1.28(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:33 | | | | | | 4 | 10 | | | |
| 361.8385 | 31:33 | | | | | | 5 | 12 | | | |
| PCB-152 | | | | | | | | | | | M |
| 359.8415 | 31:45 | 31:46 | 0 | 1.007 | 116 | 40 | 4 | 10 | 10 | | |
| 361.8385 | 31:46 | 31:46 | 1 | 1.007 | 107 | 23 | 5 | 12 | 5 | 1.08(1.05-1.43) | M |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:55 | | | | | | 4 | 10 | | | |
| 361.8385 | 31:55 | | | | | | 5 | 12 | | | |
| PCB-136 | | | | | | | | | | | RQ |
| 359.8415 | 32:16 | 32:15 | 0 | 1.023 | 144 | 47 | 4 | 10 | 12 | | |
| | Empc Correction | | | | 104 | 37 | 4 | 10 | 9 | | |
| 361.8385 | 32:16 | 32:15 | -1 | 1.023 | 84 | 30 | 5 | 12 | 6 | 1.71(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:33 | | | | | | 4 | 10 | | | |
| 361.8385 | 32:33 | | | | | | 5 | 12 | | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:05 | | | | | | 4 | 10 | | | |
| 361.8385 | 34:05 | | | | | | 5 | 12 | | | |
| PCB-135 | | | | | | | | | | | RQ |
| 359.8415 | 34:42 | 34:39 | 1 | 1.101 | 269 | 43 | 4 | 10 | 11 | | |
| 361.8385 | 34:41 | 34:39 | 0 | 1.100 | 267 | 46 | 5 | 12 | 9 | 1.01(1.05-1.43) | |
| | Empc Correction | | | | 216 | 34 | 5 | 12 | 7 | | |
| PCB-151 (C135) | | | | | | | | | | | RQ |
| 359.8415 | 34:42 | 34:39 | 1 | 1.101 | 269 | 43 | 4 | 10 | 11 | | |
| 361.8385 | 34:41 | 34:39 | 0 | 1.100 | 267 | 46 | 5 | 12 | 9 | 1.01(1.05-1.43) | |
| | Empc Correction | | | | 216 | 34 | 5 | 12 | 7 | | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:56 | | | | | | 4 | 10 | | | |
| 361.8385 | 34:56 | | | | | | 5 | 12 | | | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:14 | | | | | | 4 | 10 | | | |
| 361.8385 | 35:14 | | | | | | 5 | 12 | | | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:36 | 35:35 | -1 | 1.129 | 730 | 129 | 4 | 10 | 32 | | |
| 361.8385 | 35:36 | 35:35 | -1 | 1.129 | 693 | 146 | 8 | 20 | 18 | 1.05(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:36 | 35:35 | -1 | 1.129 | 730 | 129 | 4 | 10 | 32 | | |
| 361.8385 | 35:36 | 35:35 | -1 | 1.129 | 693 | 146 | 8 | 20 | 18 | 1.05(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:53 | | | | | | 4 | 10 | | | |
| 361.8385 | 35:53 | | | | | | 8 | 20 | | | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:53 | | | | | | 4 | 10 | | | |
| 361.8385 | 35:53 | | | | | | 8 | 20 | | | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:11 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:11 | | | | | | 8 | 20 | | | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:11 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:11 | | | | | | 8 | 20 | | | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:23 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:23 | | | | | | 8 | 20 | | | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:33 | | | | | | 4 | 10 | | | |
| 361.8385 | 36:33 | | | | | | 8 | 20 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:53 | 36:51 | 1 | 1.170 | 347 | 76 | 4 | 10 | 19 | | |
| 361.8385 | 36:53 | 36:51 | 1 | 1.170 | 259 | 75 | 8 | 20 | 9 | 1.34(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:21 | | | | | | 4 | 10 | | | |
| 361.8385 | 37:21 | | | | | | 8 | 20 | | | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:46 | | | | | | 4 | 10 | | | |
| 361.8385 | 37:46 | | | | | | 8 | 20 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:01 | | | | | | 4 | 10 | | | |
| 361.8385 | 38:01 | | | | | | 8 | 20 | | | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:09 | | | | | | 4 | 10 | | | |
| 361.8385 | 38:09 | | | | | | 8 | 20 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:37 | 38:40 | -3 | 0.901 | 1024 | 189 | 4 | 10 | 47 | | |
| 361.8385 | 38:39 | 38:40 | -2 | 0.902 | 870 | 146 | 8 | 20 | 18 | 1.18(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:37 | 38:40 | -3 | 0.901 | 1024 | 189 | 4 | 10 | 47 | | |
| 361.8385 | 38:39 | 38:40 | -2 | 0.902 | 870 | 146 | 8 | 20 | 18 | 1.18(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:52 | 38:49 | 2 | 0.907 | 245 | 54 | 4 | 10 | 14 | | |
| 361.8385 | 38:51 | 38:49 | 1 | 0.906 | 210 | 48 | 8 | 20 | 6 | 1.17(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:13 | | | | | | 4 | 10 | | | |
| 361.8385 | 39:13 | | | | | | 8 | 20 | | | |
| PCB-137 | | | | | | | | | | | RQM |
| 359.8415 | 39:26 | 39:27 | -2 | 0.920 | 130 | 26 | 4 | 10 | 7 | | |
| 361.8385 | 39:27 | 39:27 | -1 | 0.920 | 137 | 35 | 8 | 20 | 4 | 0.95(1.05-1.43) | M |
| | Empc Correction | | | | 104 | 20 | 8 | 20 | 3 | | |
| PCB-164 | | | | | | | | | | | M |
| 359.8415 | 39:34 | 39:32 | -1 | 0.923 | 181 | 50 | 4 | 10 | 13 | | |
| 361.8385 | 39:32 | 39:32 | -2 | 0.922 | 164 | 36 | 8 | 20 | 5 | 1.10(1.05-1.43) | M |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:53 | 39:53 | -1 | 0.931 | 1137 | 213 | 4 | 10 | 53 | | |
| 361.8385 | 39:52 | 39:53 | -2 | 0.930 | 981 | 162 | 8 | 20 | 20 | 1.16(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:53 | 39:53 | -1 | 0.931 | 1137 | 213 | 4 | 10 | 53 | | |
| 361.8385 | 39:52 | 39:53 | -2 | 0.930 | 981 | 162 | 8 | 20 | 20 | 1.16(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:53 | 39:53 | -1 | 0.931 | 1137 | 213 | 4 | 10 | 53 | | |
| 361.8385 | 39:52 | 39:53 | -2 | 0.930 | 981 | 162 | 8 | 20 | 20 | 1.16(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:53 | 39:53 | -1 | 0.931 | 1137 | 213 | 4 | 10 | 53 | | |
| 361.8385 | 39:52 | 39:53 | -2 | 0.930 | 981 | 162 | 8 | 20 | 20 | 1.16(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:17 | 40:16 | 0 | 0.940 | 274 | 61 | 4 | 10 | 15 | | |
| 361.8385 | 40:17 | 40:16 | 0 | 0.940 | 203 | 44 | 8 | 20 | 6 | 1.35(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-128 | | | | | | | | | | | RQM |
| 359.8415 | 41:09 | 41:06 | 1 | 0.960 | 260 | 59 | 4 | 10 | 15 | | M |
| 361.8385 | 41:08 | 41:06 | 1 | 0.960 | 308 | 75 | 8 | 20 | 9 | 0.84(1.05-1.43) | |
| | Empc Correction | | | | 209 | 47 | 8 | 20 | 6 | | |
| PCB-166 (C128) | | | | | | | | | | | RQM |
| 359.8415 | 41:09 | 41:06 | 1 | 0.960 | 260 | 59 | 4 | 10 | 15 | | M |
| 361.8385 | 41:08 | 41:06 | 1 | 0.960 | 308 | 75 | 8 | 20 | 9 | 0.84(1.05-1.43) | |
| | Empc Correction | | | | 209 | 47 | 8 | 20 | 6 | | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:07 | | | | | | 4 | 10 | | | |
| 361.8385 | 42:07 | | | | | | 8 | 20 | | | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:24 | | | | | | 4 | 10 | | | |
| 361.8385 | 42:24 | | | | | | 8 | 20 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:53 | 42:53 | -1 | 1.001 | 172 | 37 | 4 | 10 | 9 | | |
| 361.8385 | 42:54 | 42:53 | 0 | 1.001 | 132 | 38 | 8 | 20 | 5 | 1.30(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:00 | | | | | | 4 | 10 | | | |
| 361.8385 | 44:00 | | | | | | 8 | 20 | | | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:00 | | | | | | 4 | 10 | | | |
| 361.8385 | 44:00 | | | | | | 8 | 20 | | | |
| PCB-169 | | | | | | | | | | | RQ |
| 359.8415 | 47:17 | 47:16 | 0 | 1.001 | 334 | 51 | 4 | 10 | 13 | | |
| | Empc Correction | | | | 282 | 62 | 4 | 10 | 16 | | |
| 361.8385 | 47:18 | 47:16 | 1 | 1.001 | 228 | 50 | 8 | 20 | 6 | 1.46(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:16 | 37:16 | -1 | 0.820 | 340440 | 69468 | 22 | 55 | 3158 | | |
| 407.8398 | 37:16 | 37:16 | -1 | 0.820 | 316662 | 64467 | 10 | 25 | 6447 | 1.08(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:19 | 40:18 | 0 | 0.888 | 267738 | 53030 | 22 | 55 | 2410 | | |
| 407.8398 | 40:19 | 40:18 | 0 | 0.888 | 252938 | 50961 | 10 | 25 | 5096 | 1.06(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:25 | 45:26 | 0 | | 292417 | 58529 | 22 | 55 | 2660 | | |
| 407.8398 | 45:25 | 45:26 | 0 | | 272747 | 53950 | 10 | 25 | 5395 | 1.07(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:40 | 46:40 | -1 | 1.027 | 214804 | 41524 | 22 | 55 | 1887 | | |
| 407.8398 | 46:40 | 46:40 | -1 | 1.027 | 198996 | 39299 | 10 | 25 | 3930 | 1.08(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:47 | 49:47 | -1 | 1.096 | 560330 | 108076 | 563 | 1407 | 192 | | |
| 407.8398 | 49:48 | 49:47 | 0 | 1.096 | 539933 | 104044 | 281 | 702 | 370 | 1.04(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:17 | | | | | | 6 | 15 | | | |
| 395.7995 | 37:17 | | | | | | 9 | 22 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | RQ |
| 393.8025 | 37:38 | 37:36 | 1 | 1.010 | 241 | 55 | 6 | 15 | 9 | | |
| | Empc Correction | | | | 177 | 48 | 6 | 15 | 8 | | |
| 395.7995 | 37:38 | 37:36 | 1 | 1.010 | 169 | 46 | 9 | 22 | 5 | 1.43(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:08 | | | | | | 6 | 15 | | | |
| 395.7995 | 38:08 | | | | | | 9 | 22 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:29 | | | | | | 6 | 15 | | | |
| 395.7995 | 38:29 | | | | | | 9 | 22 | | | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:57 | | | | | | 6 | 15 | | | |
| 395.7995 | 38:57 | | | | | | 9 | 22 | | | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:20 | | | | | | 6 | 15 | | | |
| 395.7995 | 40:20 | | | | | | 9 | 22 | | | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:59 | | | | | | 6 | 15 | | | |
| 395.7995 | 40:59 | | | | | | 9 | 22 | | | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:14 | 41:13 | -1 | 1.107 | 304 | 59 | 6 | 15 | 10 | | |
| 395.7995 | 41:14 | 41:13 | -1 | 1.107 | 337 | 79 | 9 | 22 | 9 | 0.90(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:27 | | | | | | 6 | 15 | | | |
| 395.7995 | 41:27 | | | | | | 9 | 22 | | | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:51 | 41:50 | -1 | 1.123 | 350 | 66 | 6 | 15 | 11 | | |
| 395.7995 | 41:53 | 41:50 | 1 | 1.124 | 359 | 57 | 9 | 22 | 6 | 0.97(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:51 | 41:50 | -1 | 1.123 | 350 | 66 | 6 | 15 | 11 | | |
| 395.7995 | 41:53 | 41:50 | 1 | 1.124 | 359 | 57 | 9 | 22 | 6 | 0.97(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | RQ |
| 393.8025 | 42:06 | 42:04 | 0 | 1.130 | 165 | 37 | 6 | 15 | 6 | | |
| 395.7995 | 42:08 | 42:04 | 1 | 1.131 | 206 | 44 | 9 | 22 | 5 | 0.80(0.89-1.21) | |
| | Empc Correction | | | | 157 | 35 | 9 | 22 | 4 | | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:31 | | | | | | 6 | 15 | | | |
| 395.7995 | 42:31 | | | | | | 9 | 22 | | | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:55 | | | | | | 6 | 15 | | | |
| 395.7995 | 42:55 | | | | | | 9 | 22 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:08 | | | | | | 6 | 15 | | | |
| 395.7995 | 43:08 | | | | | | 9 | 22 | | | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:08 | | | | | | 6 | 15 | | | |
| 395.7995 | 43:08 | | | | | | 9 | 22 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:47 | | | | | | 6 | 15 | | | |
| 395.7995 | 44:47 | | | | | | 9 | 22 | | | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:03 | | | | | | 6 | 15 | | | |
| 395.7995 | 45:03 | | | | | | 9 | 22 | | | |
| PCB-180 | | | | | | | | | | | M |
| 393.8025 | 45:26 | 45:25 | 1 | 0.913 | 497 | 97 | 6 | 15 | 16 | | |
| 395.7995 | 45:25 | 45:25 | 0 | 0.912 | 496 | 85 | 9 | 22 | 9 | 1.00(0.89-1.21) | M |
| PCB-193 (C180) | | | | | | | | | | | M |
| 393.8025 | 45:26 | 45:25 | 1 | 0.913 | 497 | 97 | 6 | 15 | 16 | | |
| 395.7995 | 45:25 | 45:25 | 0 | 0.912 | 496 | 85 | 9 | 22 | 9 | 1.00(0.89-1.21) | M |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:47 | | | | | | 6 | 15 | | | |
| 395.7995 | 45:47 | | | | | | 9 | 22 | | | |
| PCB-170 | | | | | | | | | | | RQM |
| 393.8025 | 46:42 | 46:42 | 1 | 0.938 | 187 | 42 | 6 | 15 | 7 | | M |
| | Empc Correction | | | | 158 | 38 | 6 | 15 | 6 | | |
| 395.7995 | 46:42 | 46:42 | 1 | 0.938 | 151 | 37 | 9 | 22 | 4 | 1.24(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:12 | | | | | | 6 | 15 | | | |
| 395.7995 | 47:12 | | | | | | 9 | 22 | | | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:48 | | | | | | 11 | 27 | | | |
| 395.7995 | 49:48 | | | | | | 12 | 30 | | | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:38 | 42:39 | -1 | 0.821 | 264950 | 52737 | 11 | 27 | 4794 | | |
| 441.8008 | 42:38 | 42:39 | -1 | 0.821 | 291222 | 57447 | 5 | 12 | 11489 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:55 | 51:55 | 0 | | 374411 | 71029 | 122 | 305 | 582 | | |
| 441.8008 | 51:55 | 51:55 | 0 | | 400629 | 77061 | 143 | 357 | 539 | 0.93(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:22 | 0 | 1.009 | 408815 | 79933 | 122 | 305 | 655 | | |
| 441.8008 | 52:23 | 52:22 | 0 | 1.009 | 461489 | 87185 | 143 | 357 | 610 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:39 | | | | | | 5 | 12 | | | |
| 429.7606 | 42:39 | | | | | | 4 | 10 | | | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:35 | | | | | | 5 | 12 | | | |
| 429.7606 | 43:35 | | | | | | 4 | 10 | | | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:16 | | | | | | 5 | 12 | | | |
| 429.7606 | 44:16 | | | | | | 4 | 10 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:29 | | | | | | 5 | 12 | | | |
| 429.7606 | 44:29 | | | | | | 4 | 10 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:35 | | | | | | 5 | 12 | | | |
| 429.7606 | 44:35 | | | | | | 4 | 10 | | | |
| PCB-198 | | | | | | | | | | | RQ |
| 427.7635 | 47:25 | 47:22 | 2 | 1.112 | 219 | 28 | 5 | 12 | 6 | | |
| | Empc Correction | | | | 93 | 18 | 5 | 12 | 4 | | |
| 429.7606 | 47:23 | 47:22 | 0 | 1.111 | 105 | 21 | 4 | 10 | 5 | 2.09(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | RQ |
| 427.7635 | 47:25 | 47:22 | 2 | 1.112 | 219 | 28 | 5 | 12 | 6 | | |
| | Empc Correction | | | | 93 | 18 | 5 | 12 | 4 | | |
| 429.7606 | 47:23 | 47:22 | 0 | 1.111 | 105 | 21 | 4 | 10 | 5 | 2.09(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | RQ |
| 427.7635 | 48:03 | 48:03 | -1 | 0.917 | 90 | 32 | 5 | 12 | 6 | | |
| | Empc Correction | | | | 71 | 24 | 5 | 12 | 5 | | |
| 429.7606 | 48:03 | 48:03 | -1 | 0.917 | 80 | 27 | 4 | 10 | 7 | 1.13(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:14 | 48:15 | -2 | 0.921 | 113 | 38 | 5 | 12 | 8 | | |
| 429.7606 | 48:16 | 48:15 | 1 | 0.922 | 122 | 35 | 4 | 10 | 9 | 0.93(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:35 | | | | | | 7 | 17 | | | |
| 429.7606 | 49:35 | | | | | | 5 | 12 | | | |
| PCB-194 | | | | | | | | | | | RQa |
| 427.7635 | 51:59 | 51:59 | 3 | 0.992 | 169 | 28 | 7 | 17 | 4 | | a |
| | Empc Correction | | | | 137 | 32 | 7 | 17 | 5 | | |
| 429.7606 | 51:55 | 51:59 | -1 | 0.991 | 154 | 36 | 5 | 12 | 7 | 1.10(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:24 | | | | | | 7 | 17 | | | |
| 429.7606 | 52:24 | | | | | | 5 | 12 | | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:20 | 49:20 | 0 | 0.950 | 336205 | 65423 | 197 | 492 | 332 | | |
| 475.7619 | 49:20 | 49:20 | 0 | 0.950 | 426922 | 82785 | 292 | 730 | 284 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:08 | 54:08 | -1 | 1.043 | 241133 | 47818 | 197 | 492 | 243 | | |
| 475.7619 | 54:08 | 54:08 | -1 | 1.043 | 303105 | 58618 | 292 | 730 | 201 | 0.80(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:22 | | | | | | 9 | 22 | | | |
| 463.7216 | 49:22 | | | | | | 14 | 35 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:18 | | | | | | 9 | 22 | | | |
| 463.7216 | 50:18 | | | | | | 14 | 35 | | | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:08 | | | | | | 9 | 22 | | | |
| 463.7216 | 54:08 | | | | | | 14 | 35 | | | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:47 | 55:47 | 0 | 1.075 | 217527 | 38238 | 14 | 35 | 2731 | | |
| 509.7229 | 55:47 | 55:47 | 0 | 1.075 | 299042 | 53546 | 21 | 52 | 2550 | 0.73(0.59-0.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DCB Decachlorobiphenyl | | | | | | | | | | | Ma |
| 495.6856 | 55:48 | 55:48 | -1 | 1.000 | 677 | 146 | 5 | 12 | 29 | | M |
| 497.6826 | 55:50 | 55:48 | 1 | 1.001 | 1083 | 174 | 4 | 10 | 44 | 0.63(0.59-0.79) | M |

PCB-8L (PRC)
0.0

PCB-47L (PRC)
0.0

PCB-28L (PRC)
0.0

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

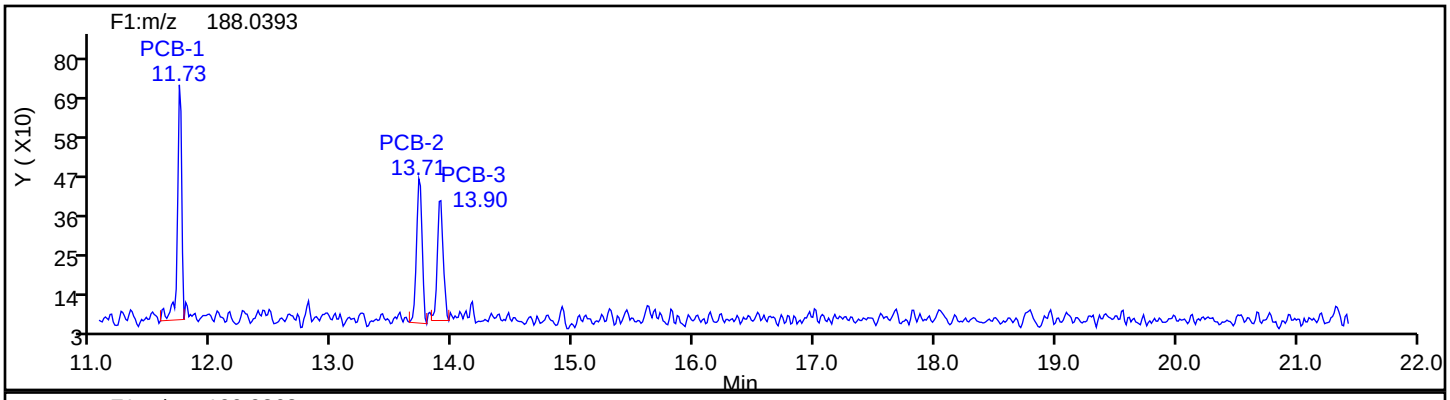
Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

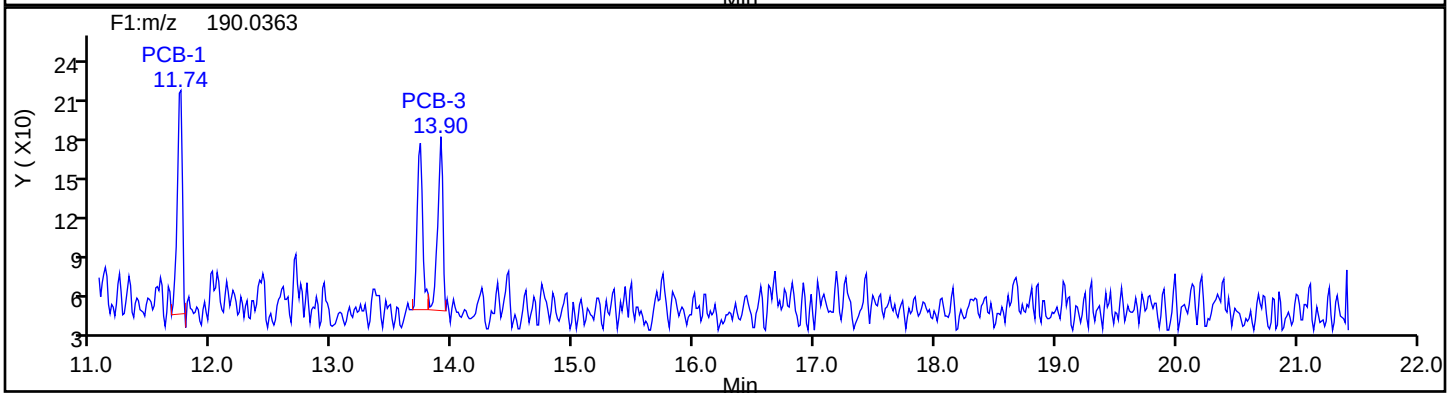
Report Date: 24-Sep-2019 21:21:59 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

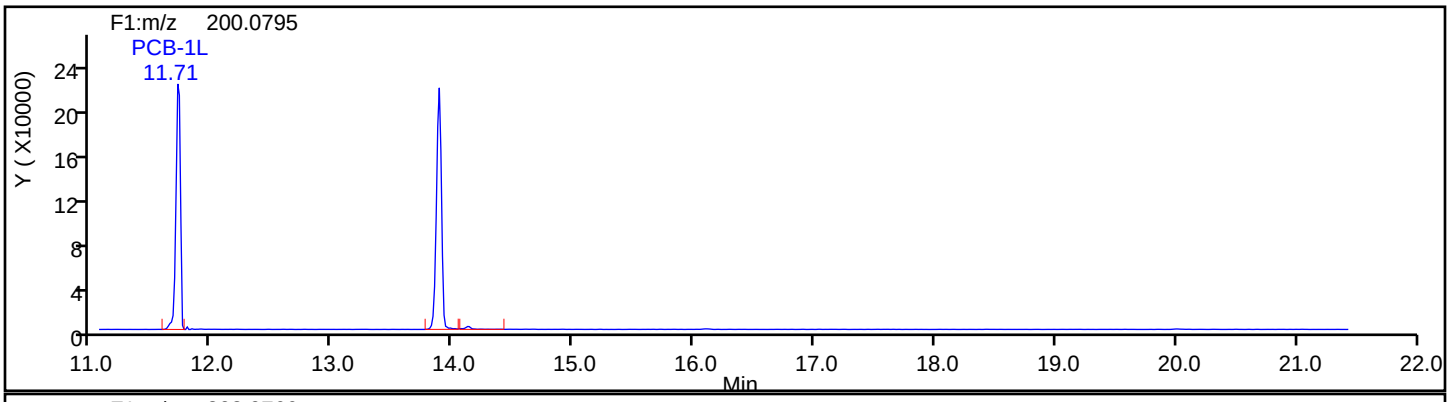
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

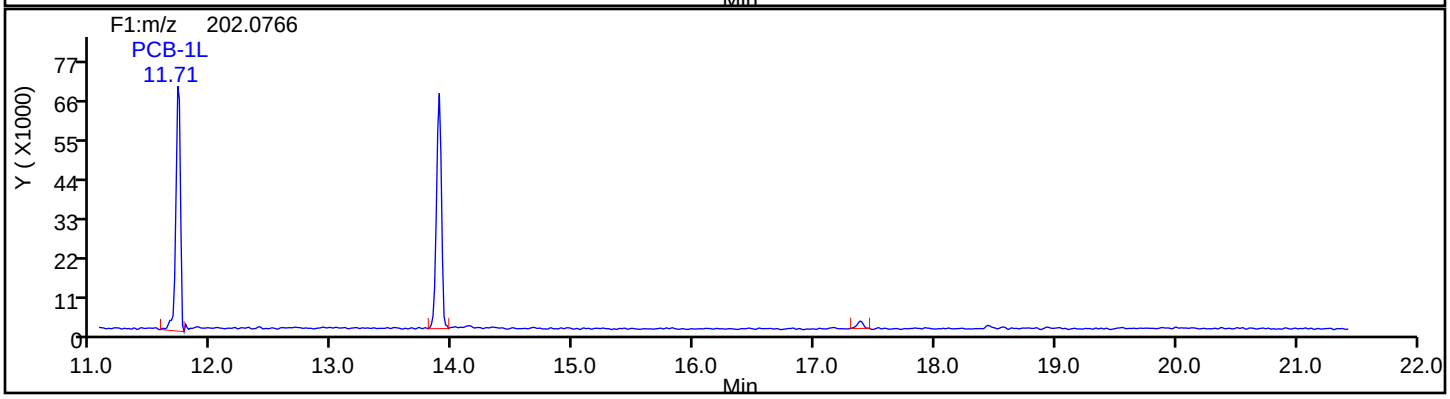
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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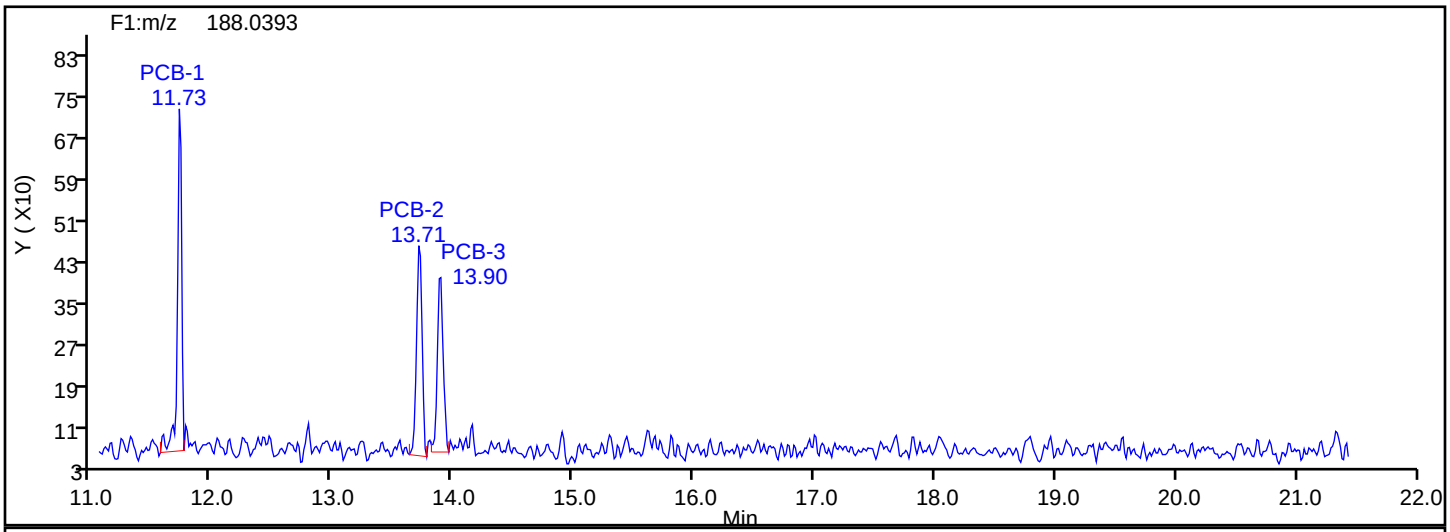
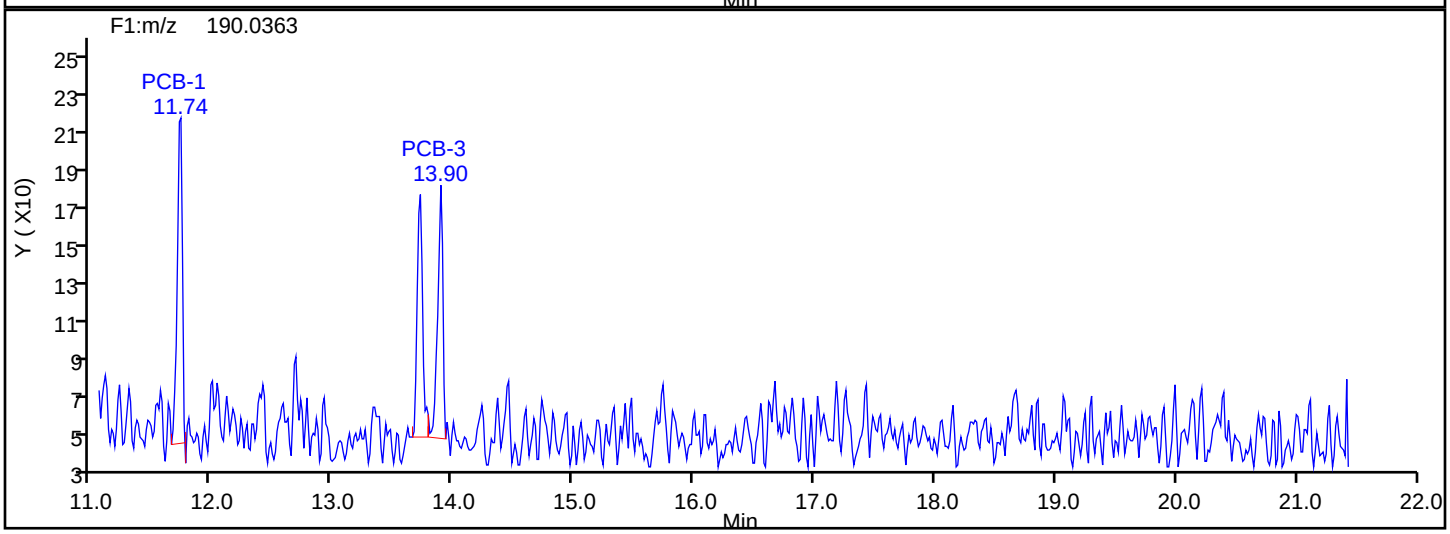
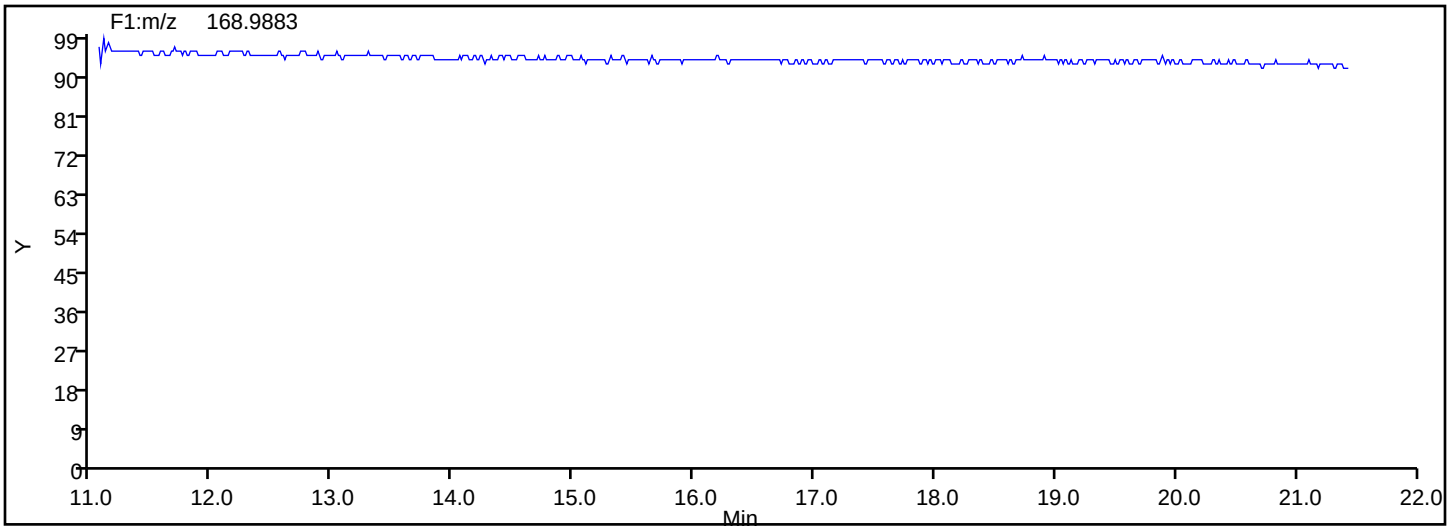
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Report Date: 24-Sep-2019 21:21:59 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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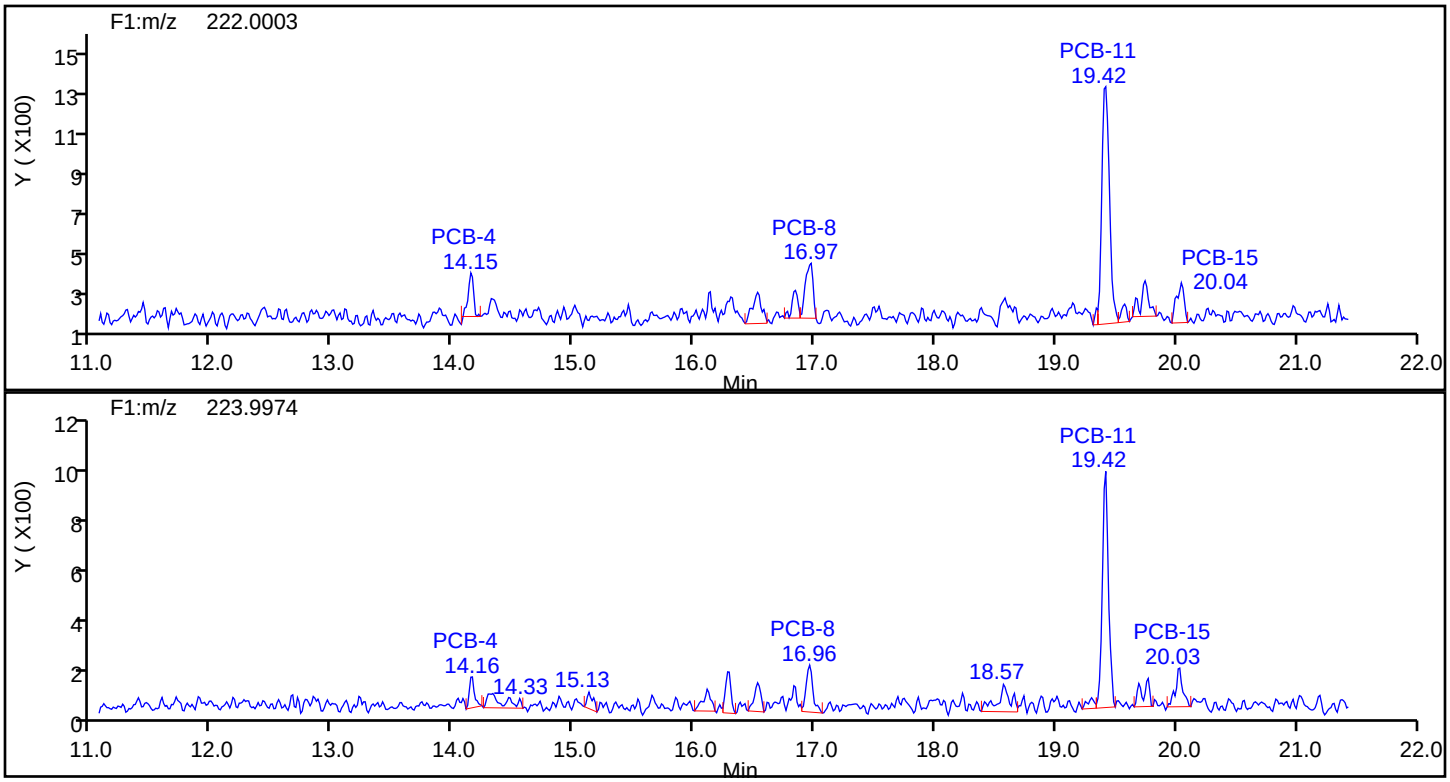
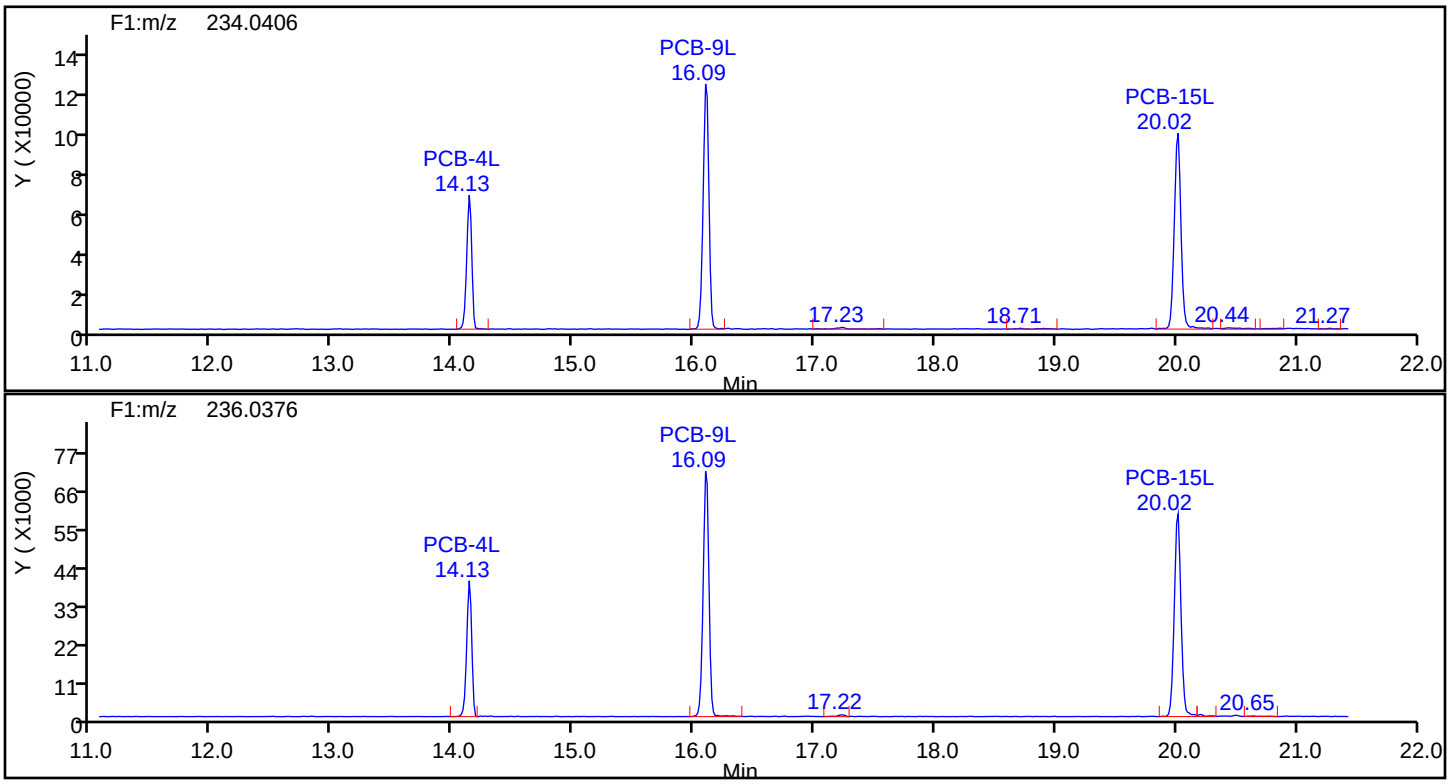
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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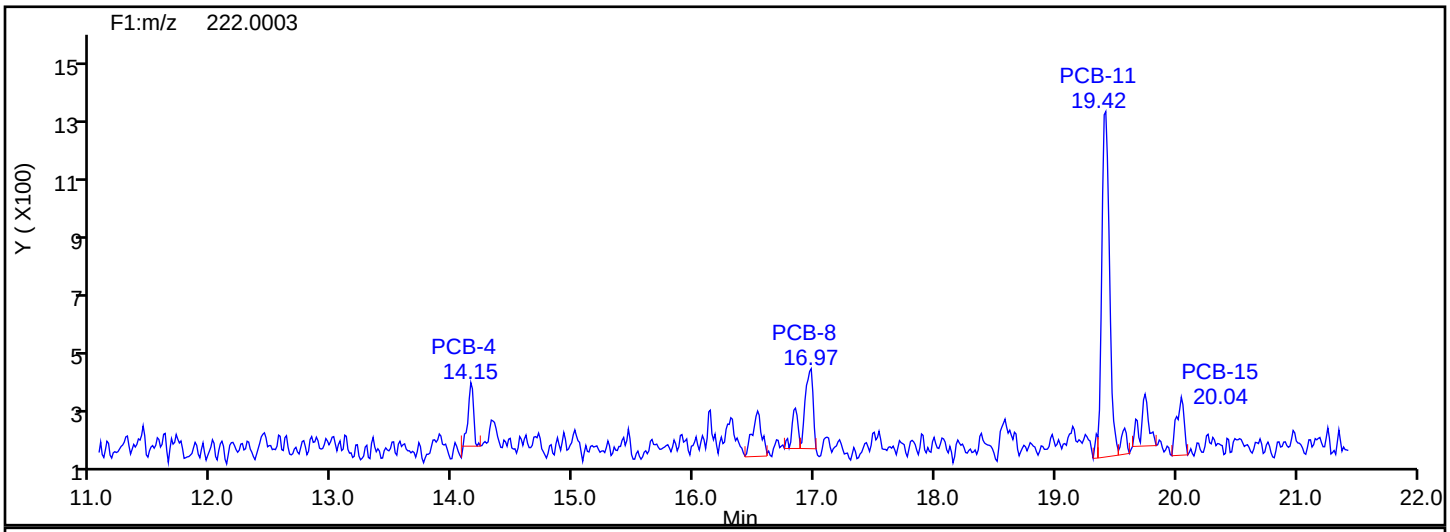
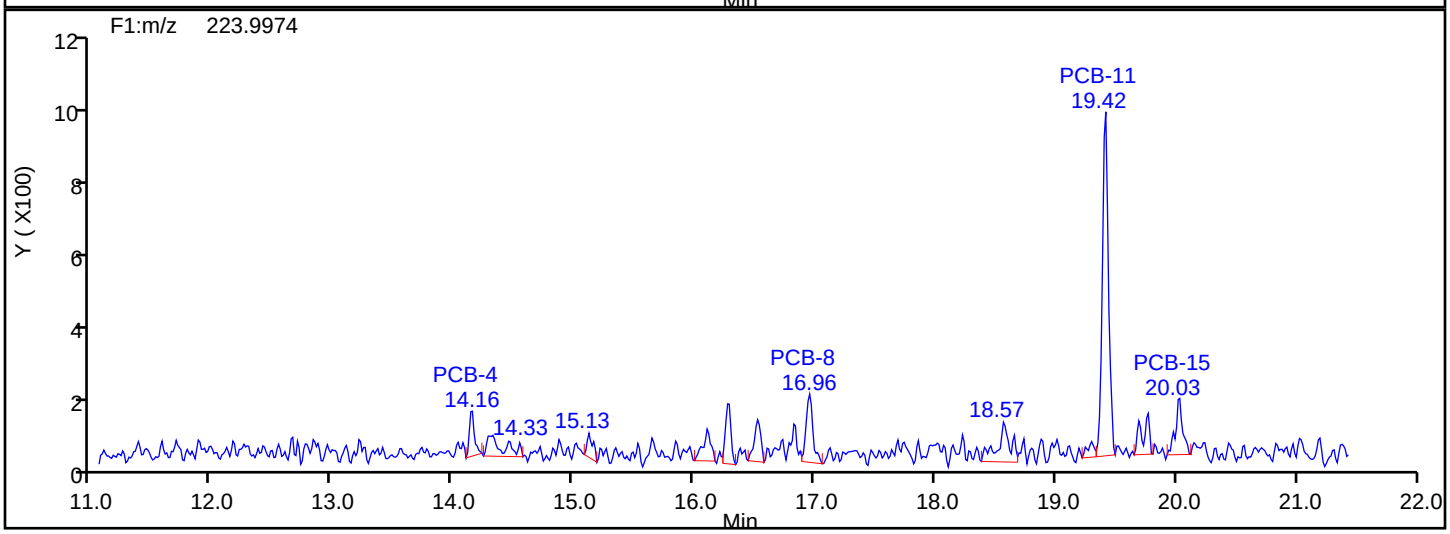
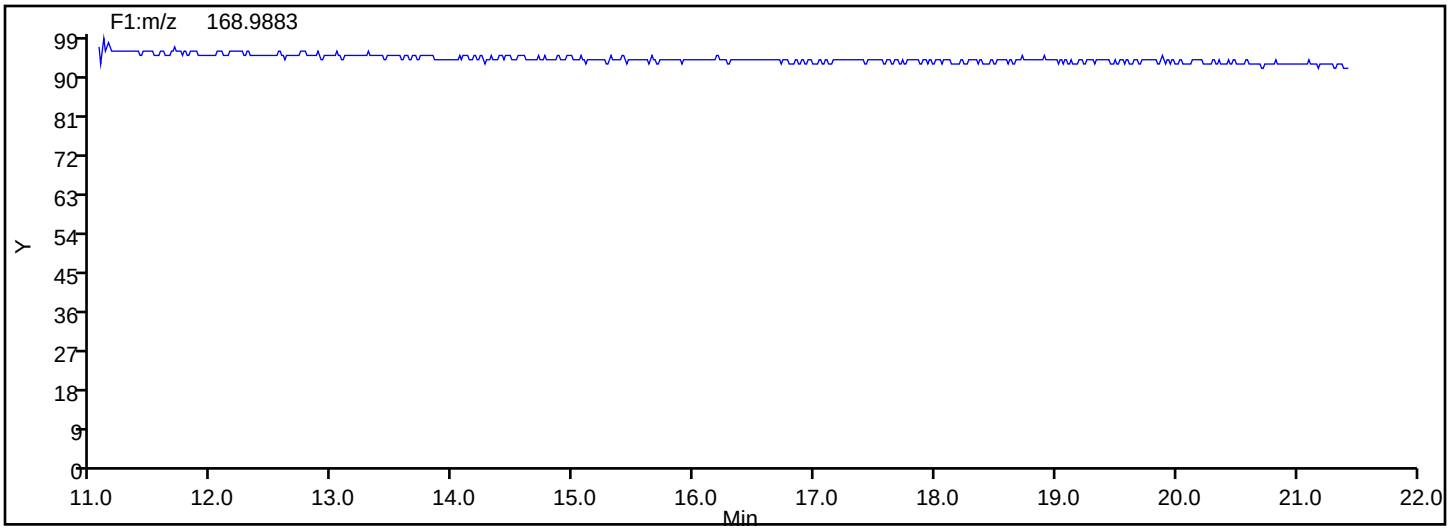
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

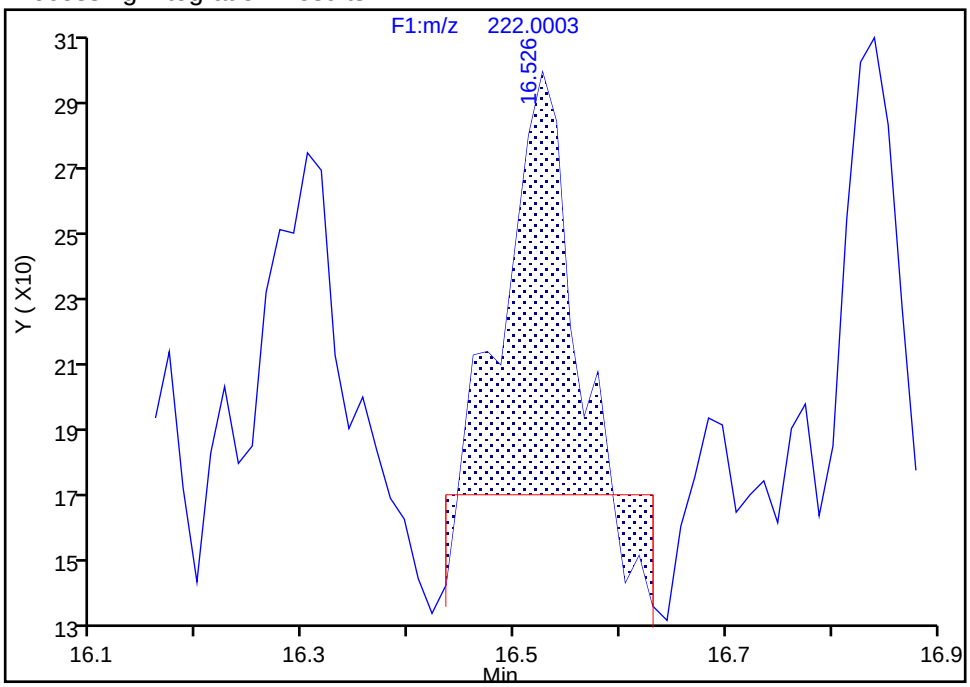
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

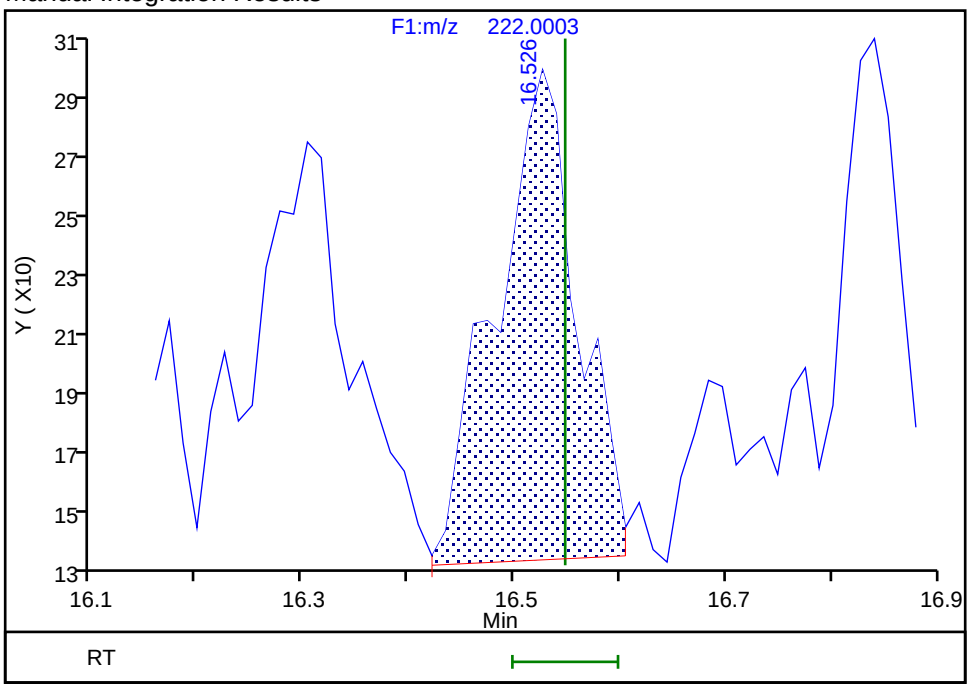
Processing Integration Results

RT: 16.53
Area: 439
Amount: 0.122250
Amount Units: pg/ul




Manual Integration Results

RT: 16.53
Area: 842
Amount: 0.180279
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:09:01

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

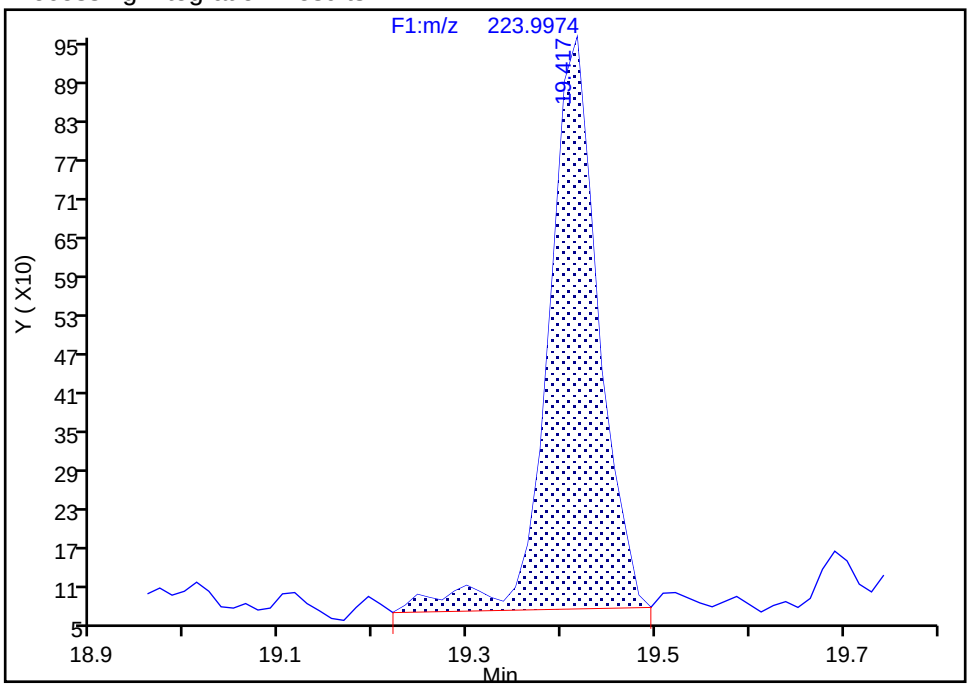
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 2

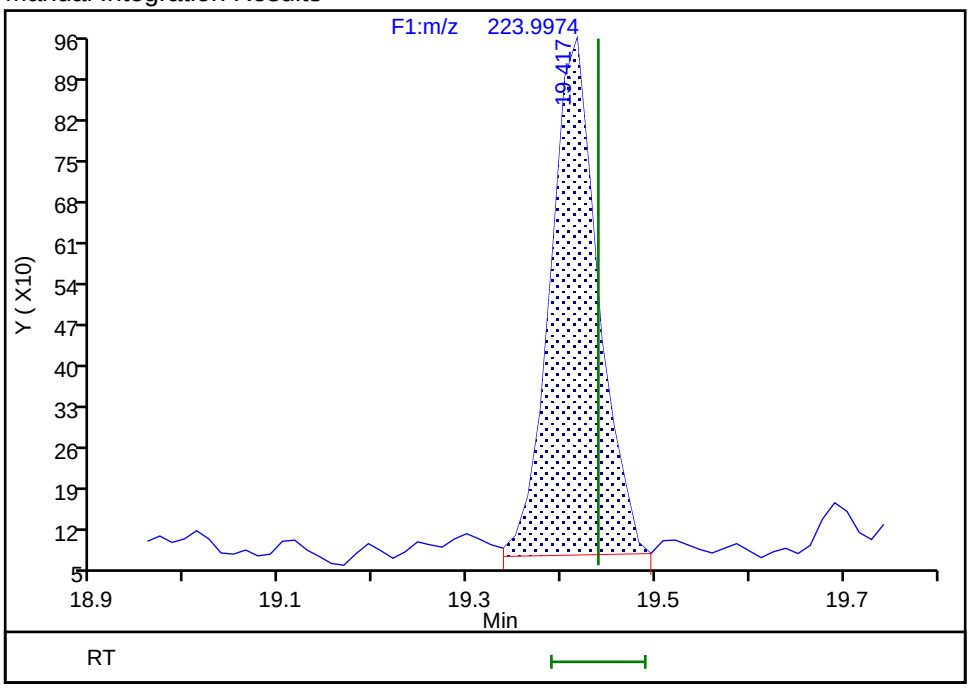
Processing Integration Results

RT: 19.42
Area: 3286
Amount: 1.223542
Amount Units: pg/ul




Manual Integration Results

RT: 19.42
Area: 3127
Amount: 1.148123
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:09:24

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

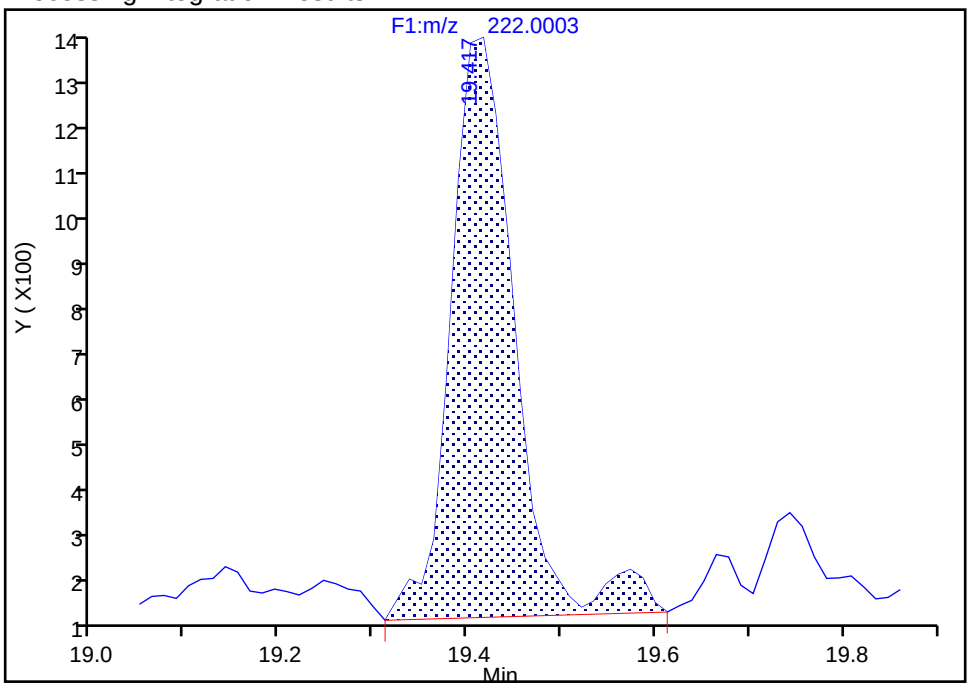
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

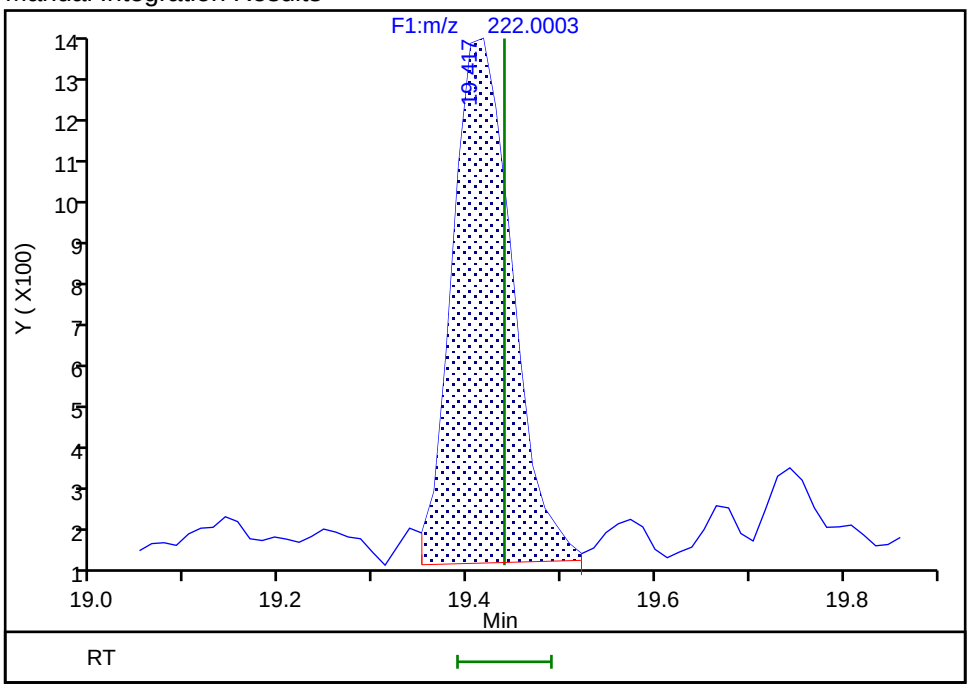
Processing Integration Results

RT: 19.42
Area: 5653
Amount: 1.223542
Amount Units: pg/ul




Manual Integration Results

RT: 19.42
Area: 5261
Amount: 1.148123
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:09:27

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

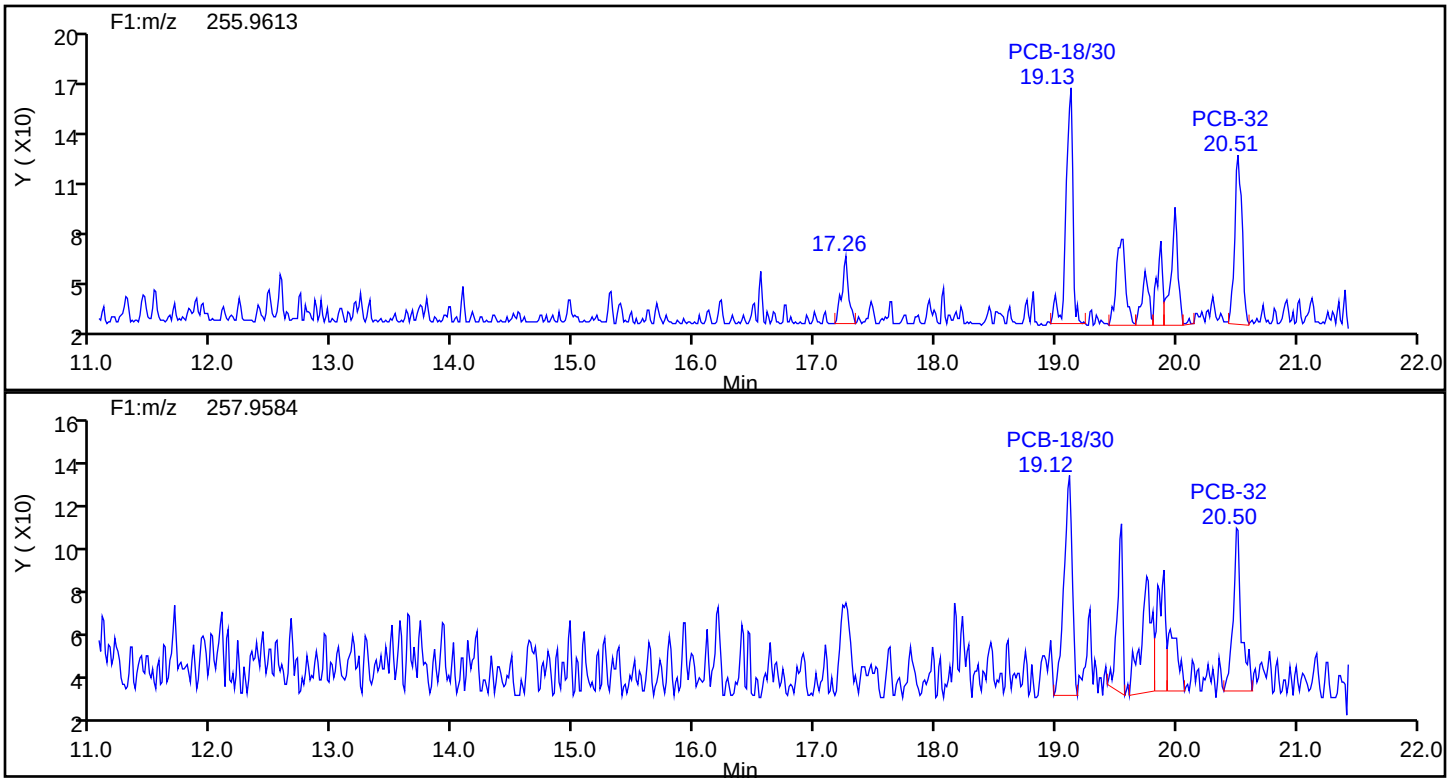
Report Date: 24-Sep-2019 21:21:59 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

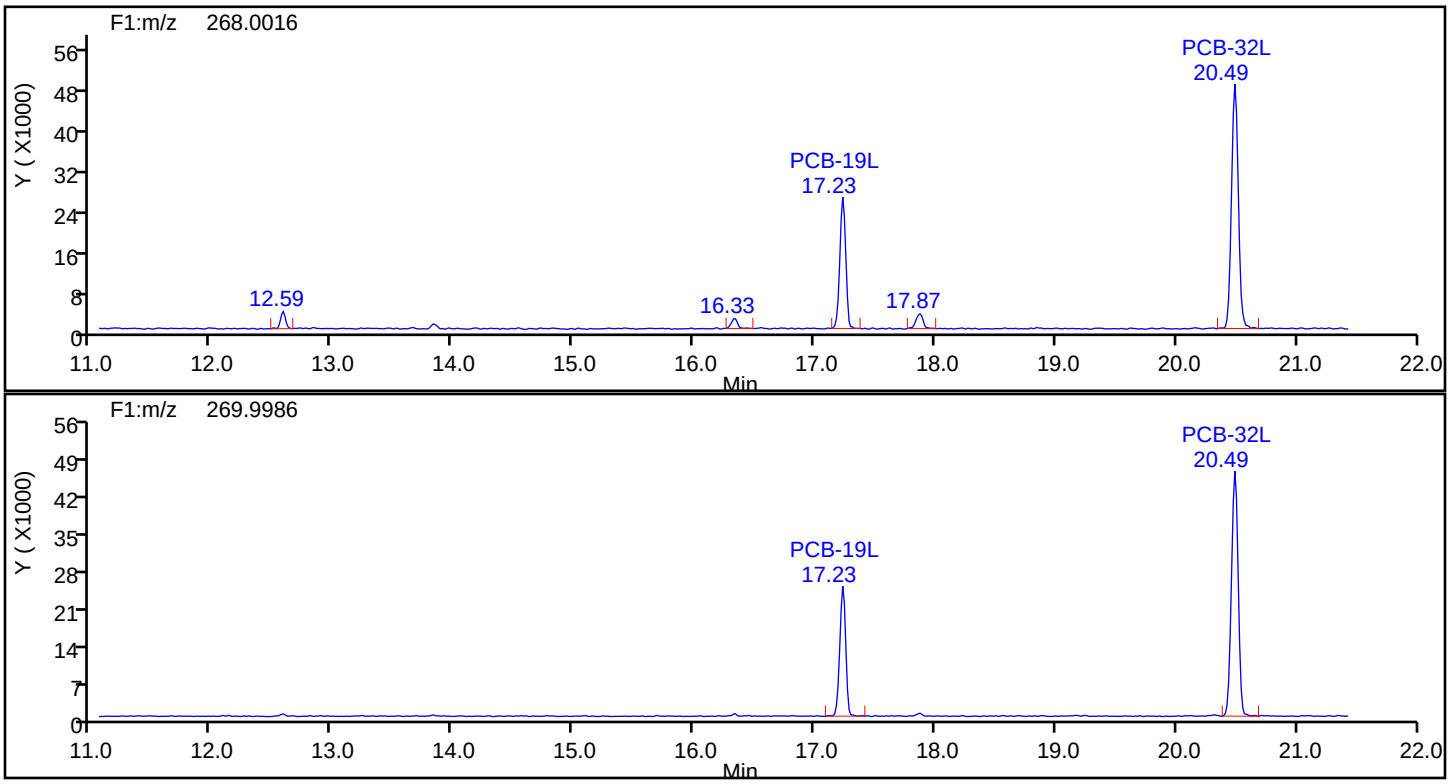
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d

| | | | |
|---|---|---|---|
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



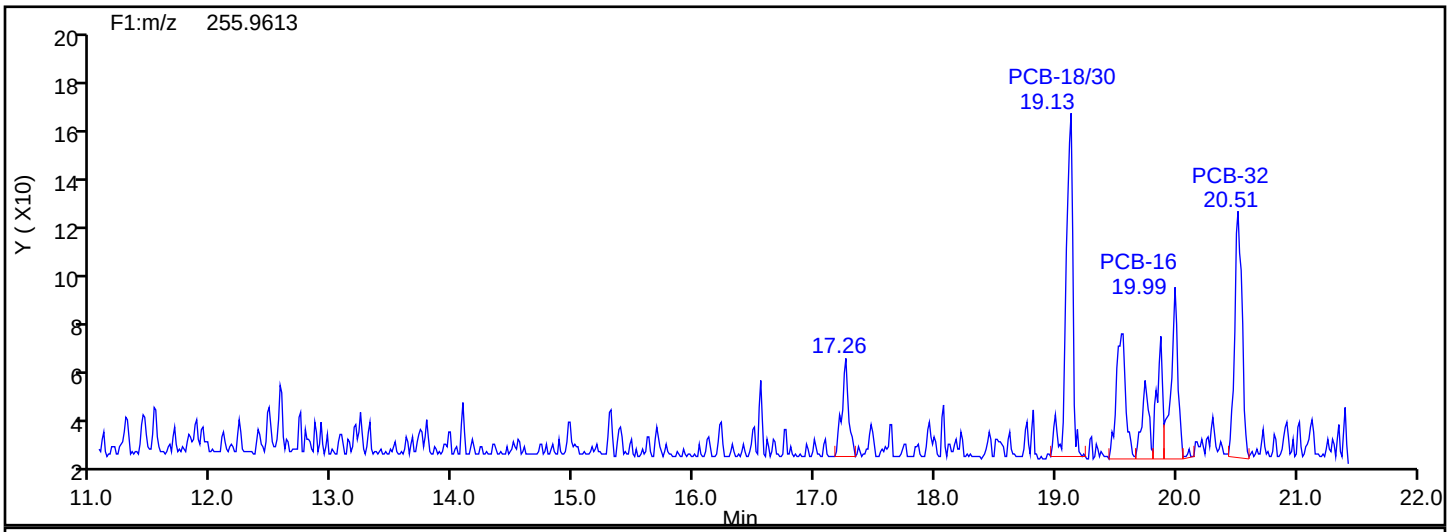

TriPCB F1 Standards

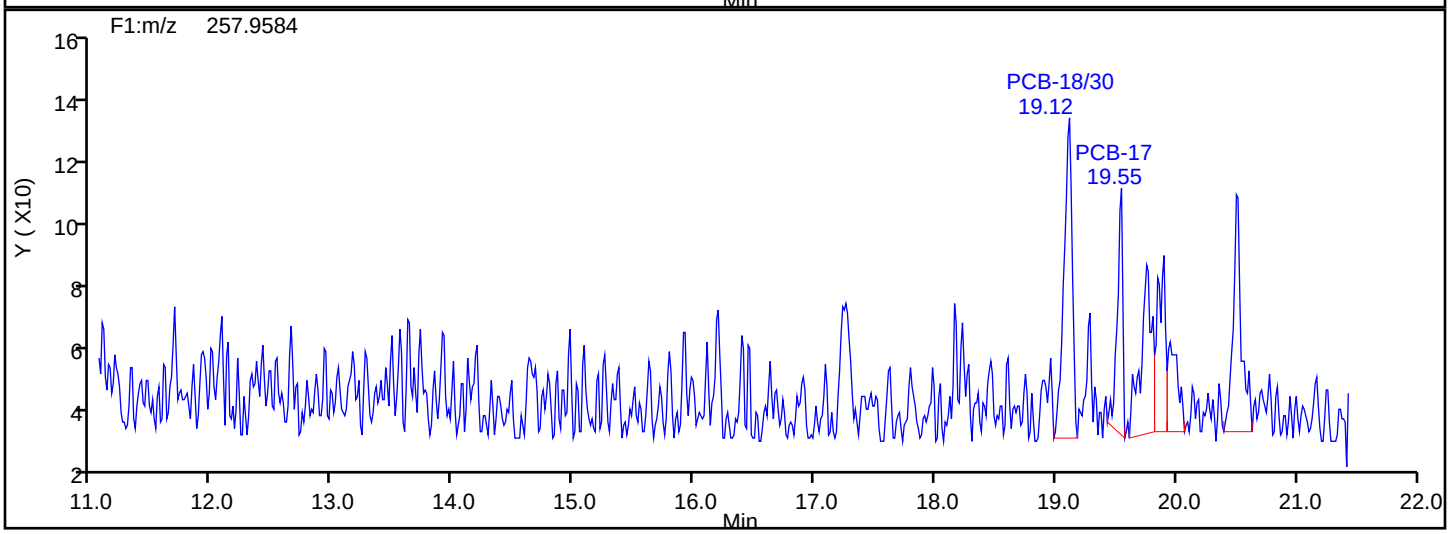


Eurofins TestAmerica, Knoxville

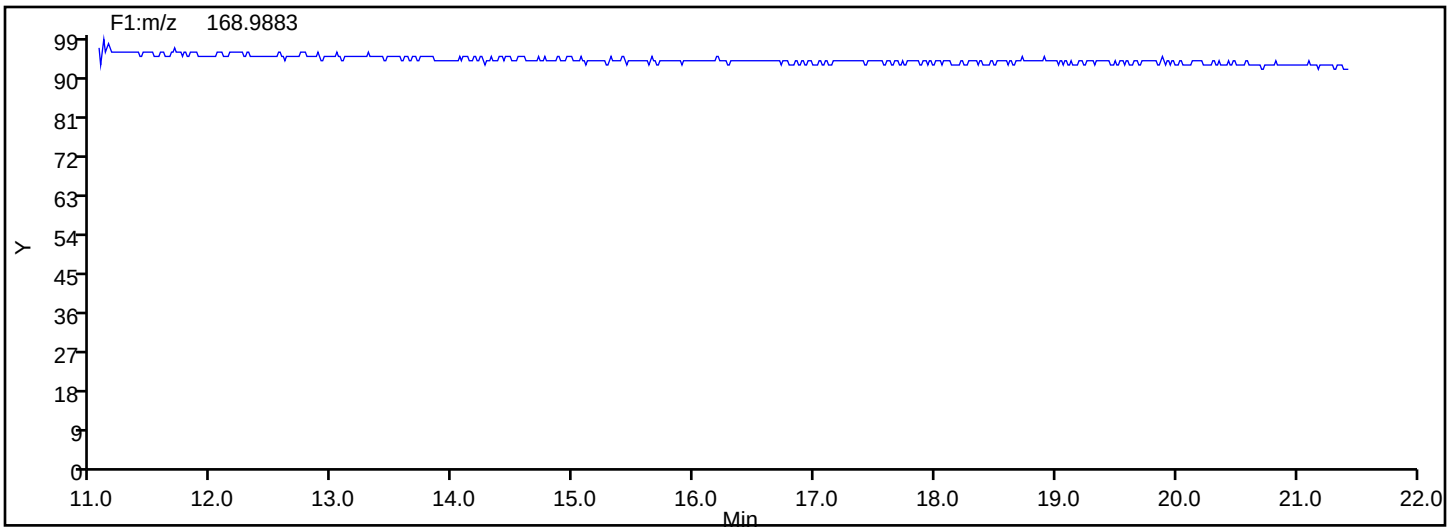
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

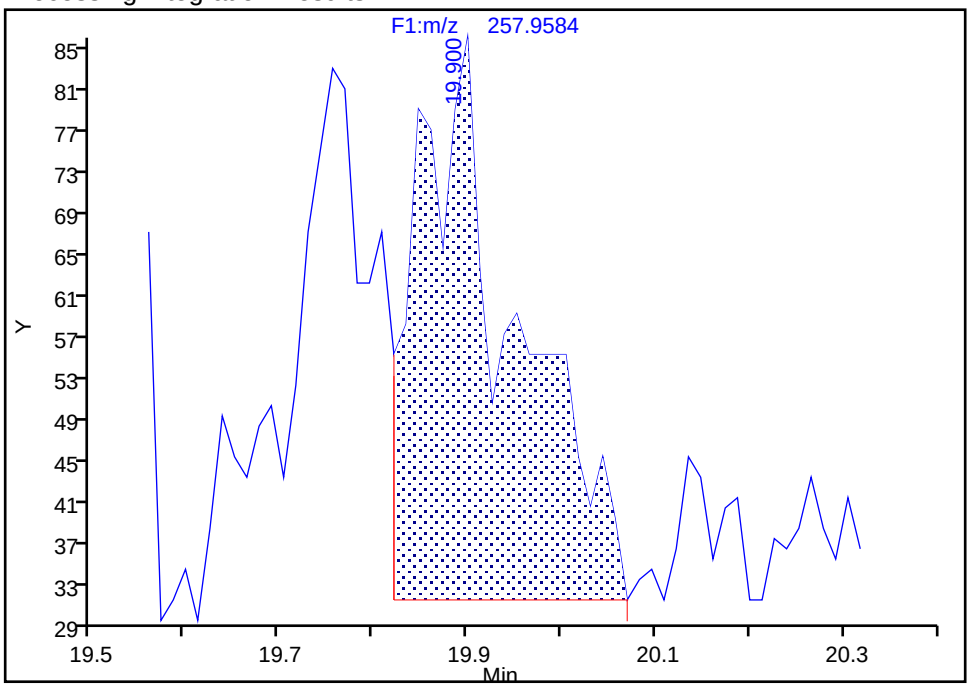
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-24, CAS: 55702-45-9

Signal: 2

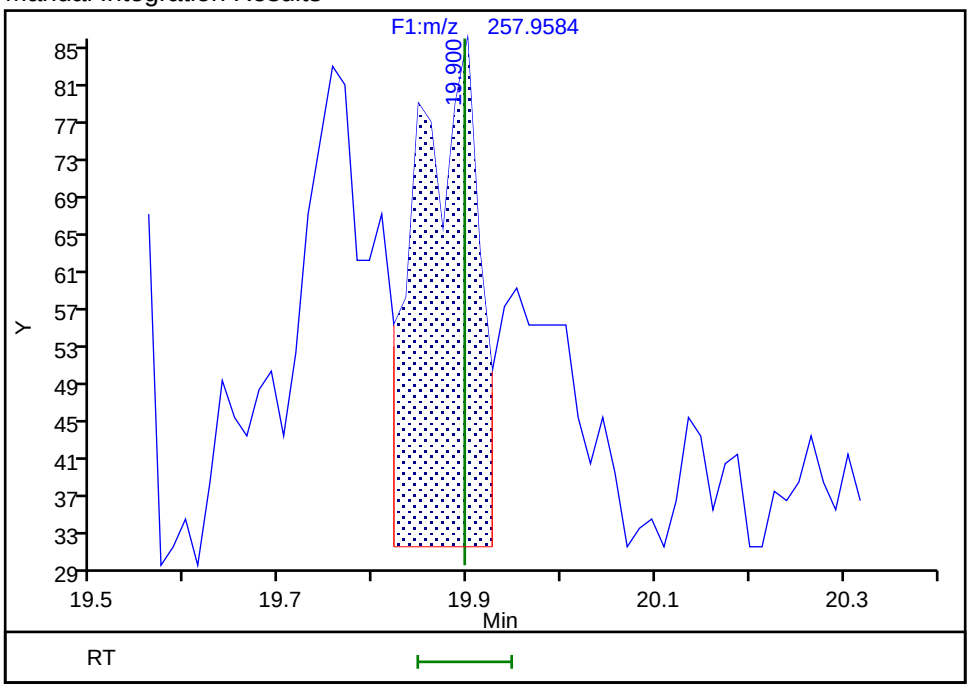
Processing Integration Results

RT: 19.90
Area: 404
Amount: 0.153863
Amount Units: pg/ul




Manual Integration Results

RT: 19.90
Area: 244
Amount: 0.110058
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:09:56
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

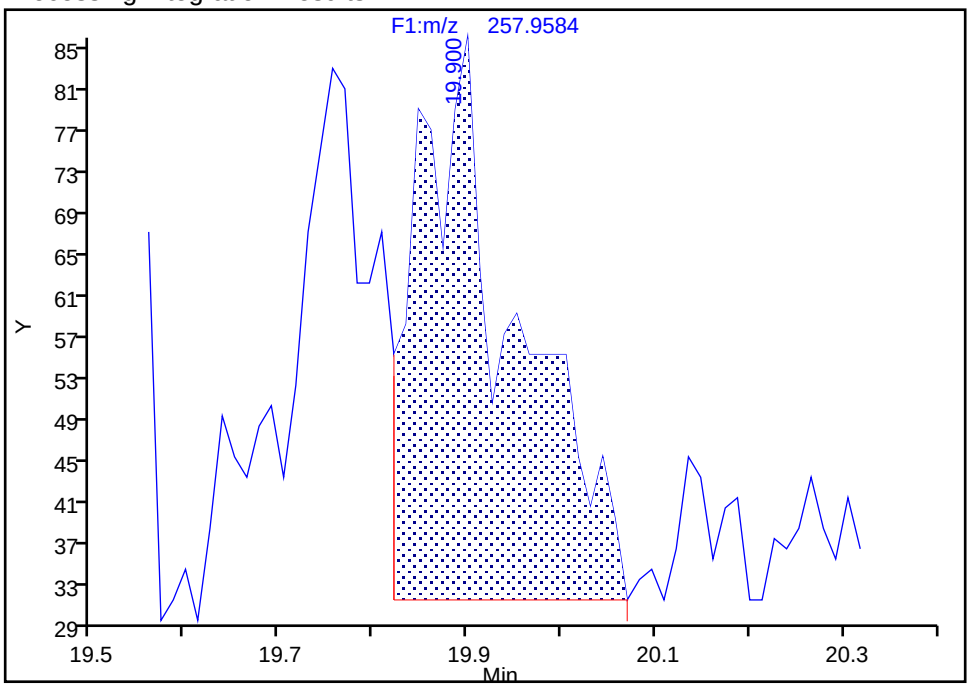
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 2

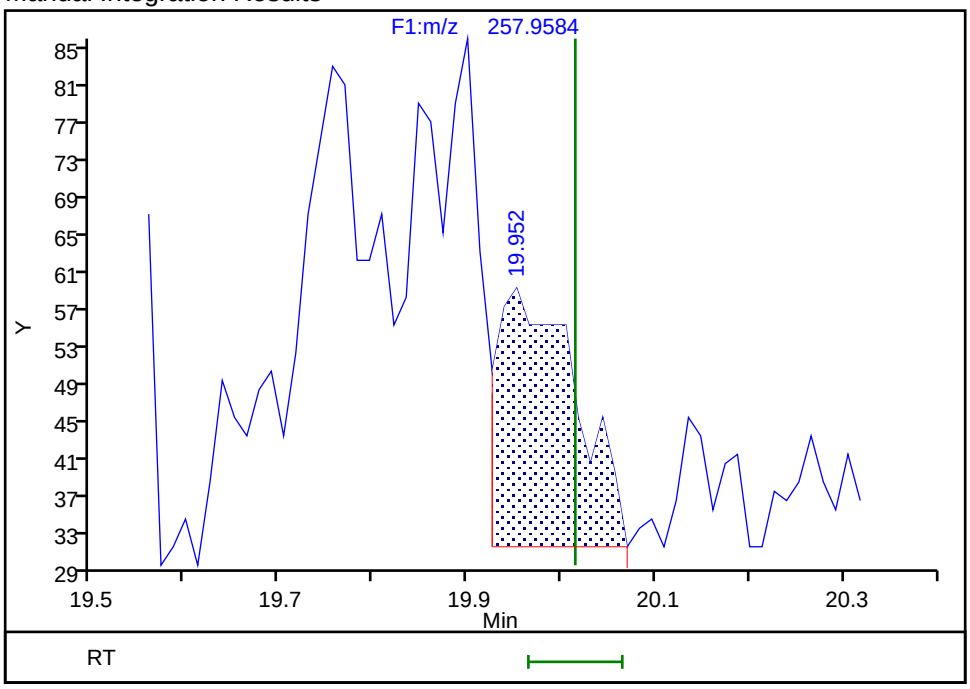
Processing Integration Results

RT: 19.90
Area: 404
Amount: 0.319625
Amount Units: pg/ul




Manual Integration Results

RT: 19.95
Area: 160
Amount: 0.204166
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:10:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

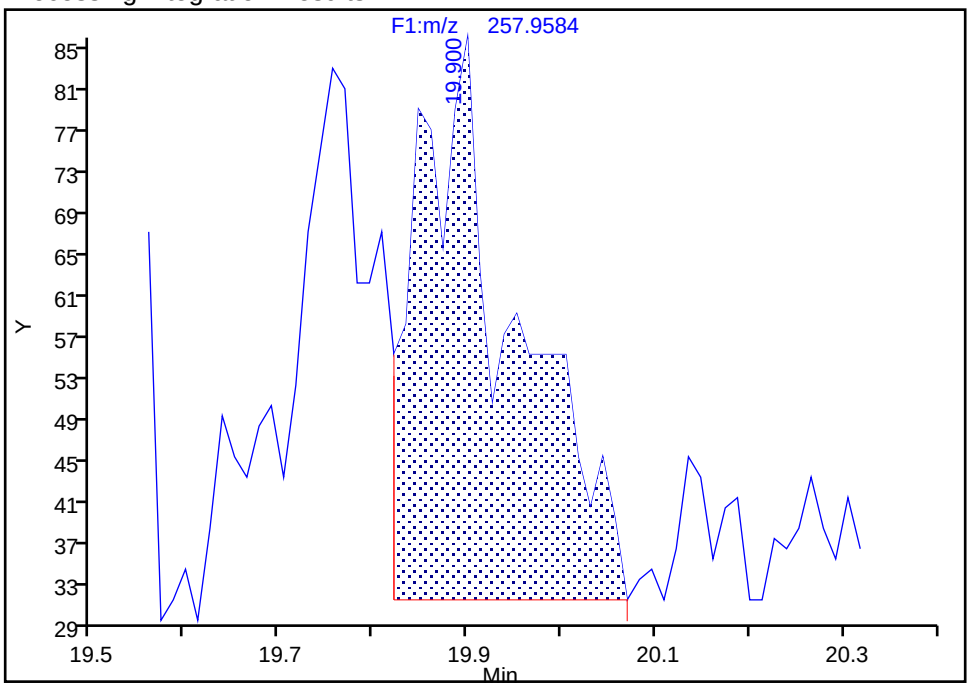
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-16, CAS: 38444-78-9

Signal: 3

Processing Integration Results

RT: 19.99
Area: 681
Amount: 0.319625
Amount Units: pg/ul




Manual Integration Results

RT: 19.99
Area: 435
Amount: 0.204166
Amount Units: pg/ul
Reviewer: parslyt, 24-Sep-2019 21:10:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

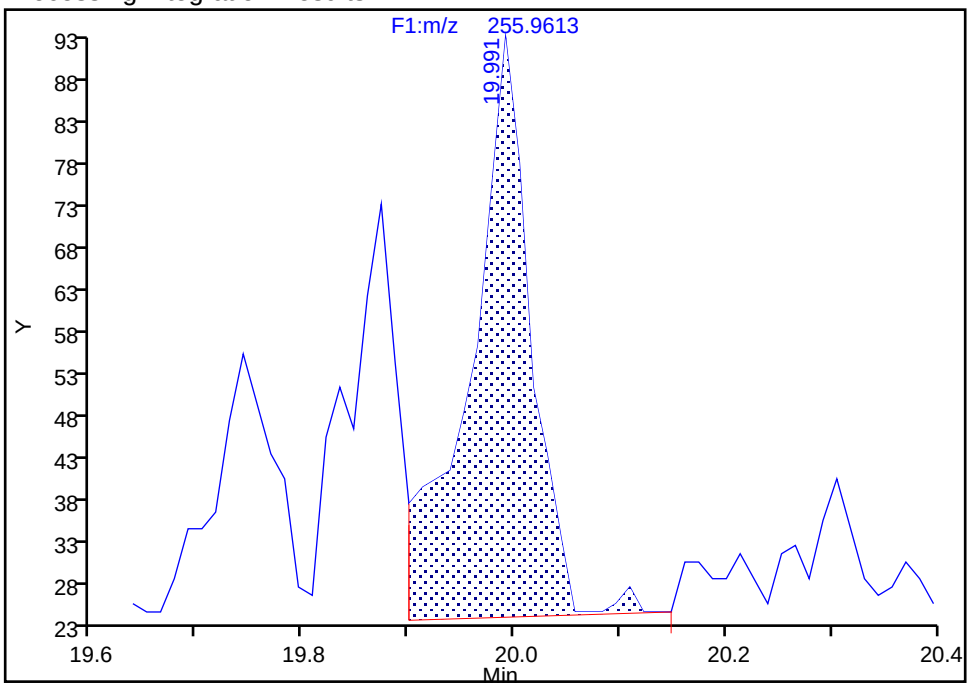
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-16, CAS: 38444-78-9

Signal: 1

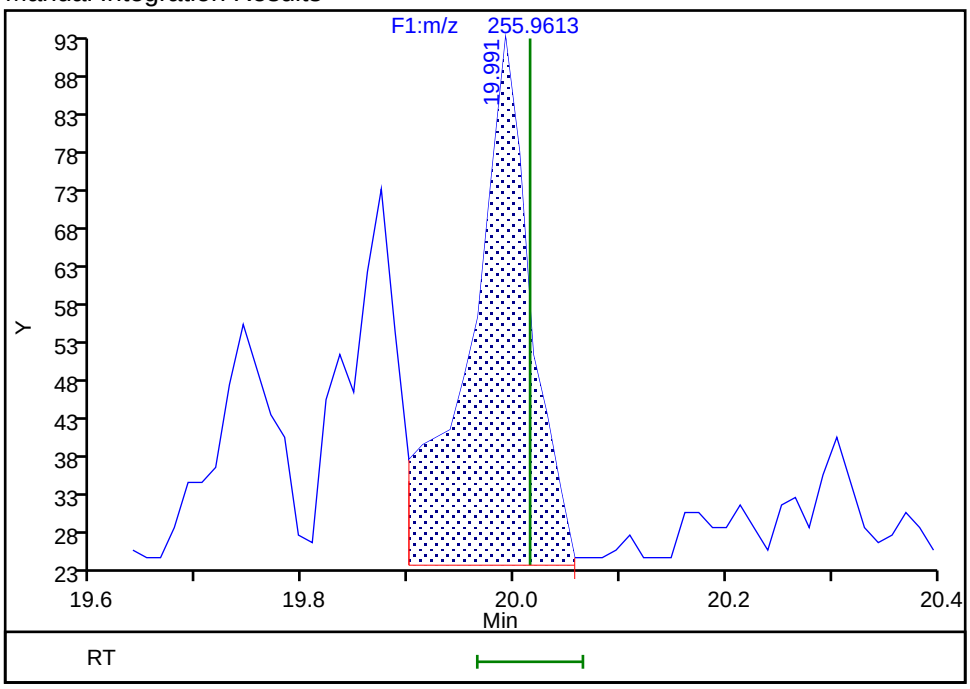
Processing Integration Results

RT: 19.99
Area: 277
Amount: 0.319625
Amount Units: pg/ul




Manual Integration Results

RT: 19.99
Area: 275
Amount: 0.204166
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:10:13
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

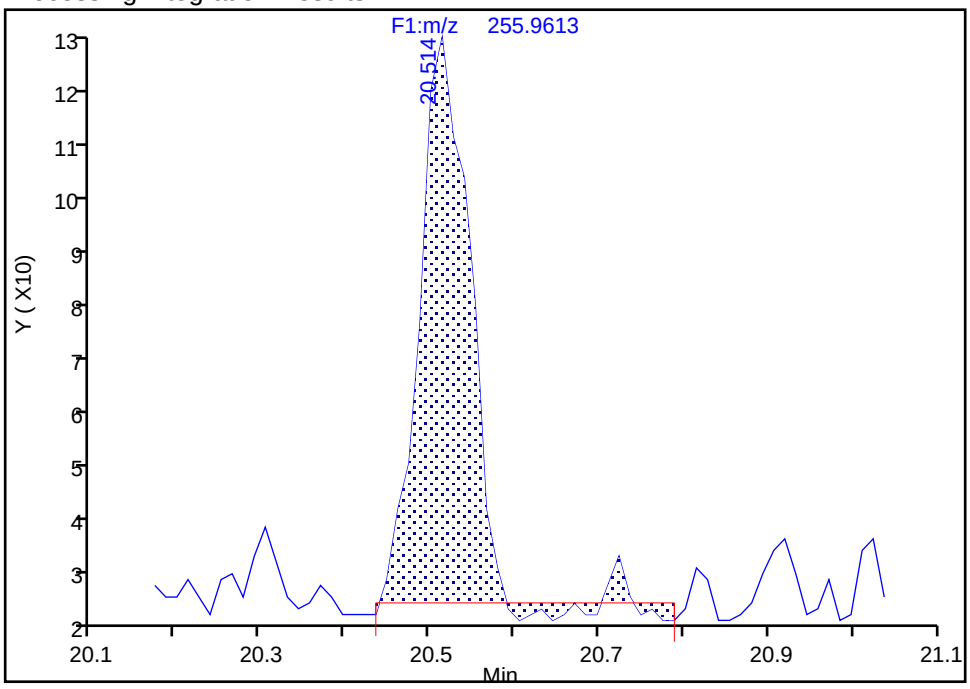
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

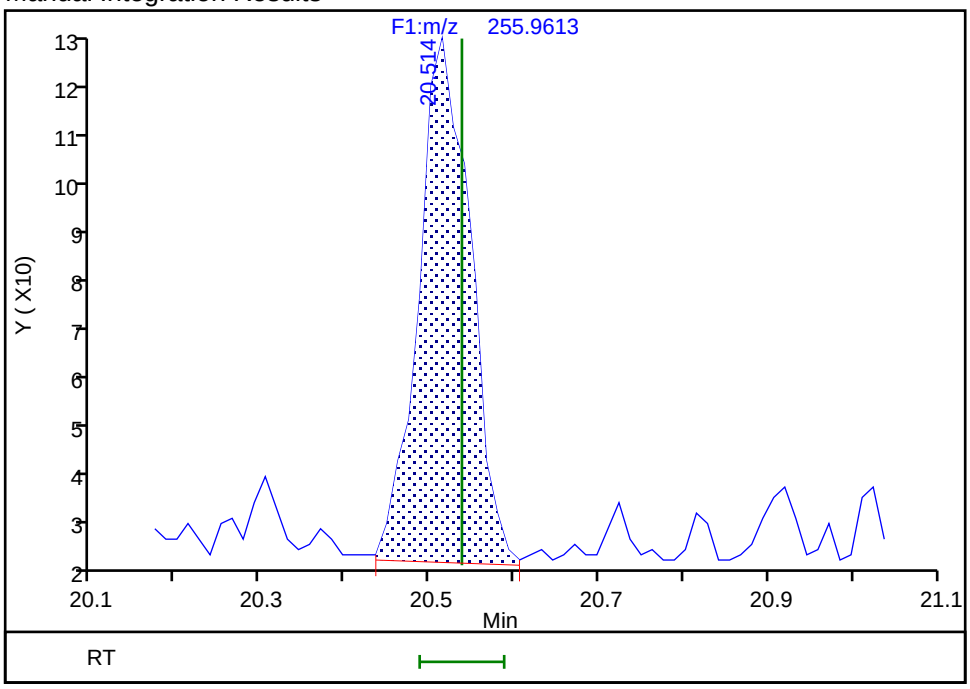
Processing Integration Results

RT: 20.51
Area: 384
Amount: 0.181849
Amount Units: pg/ul




Manual Integration Results

RT: 20.51
Area: 427
Amount: 0.192416
Amount Units: pg/ul



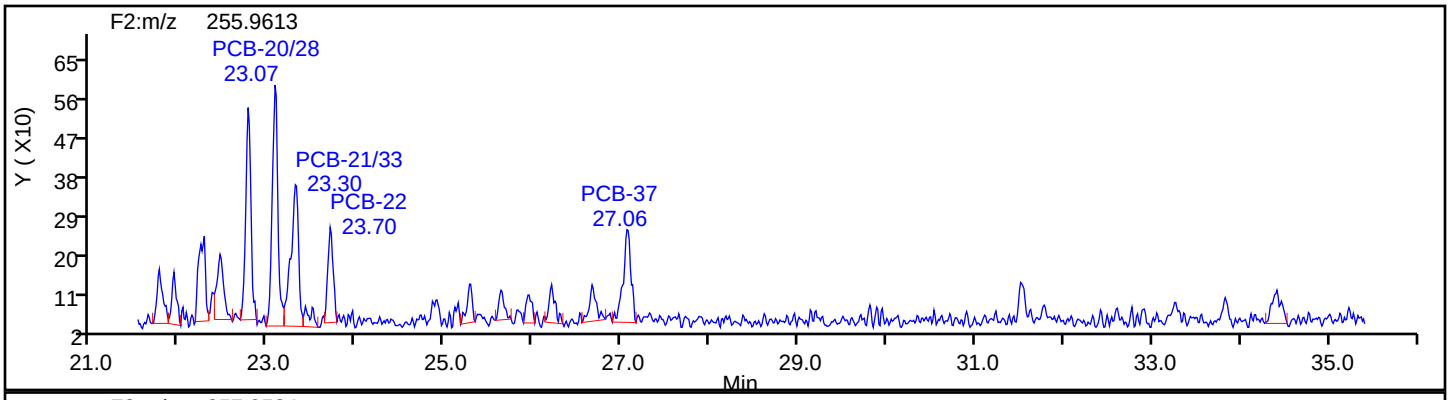

Reviewer: parslyt, 24-Sep-2019 21:10:41

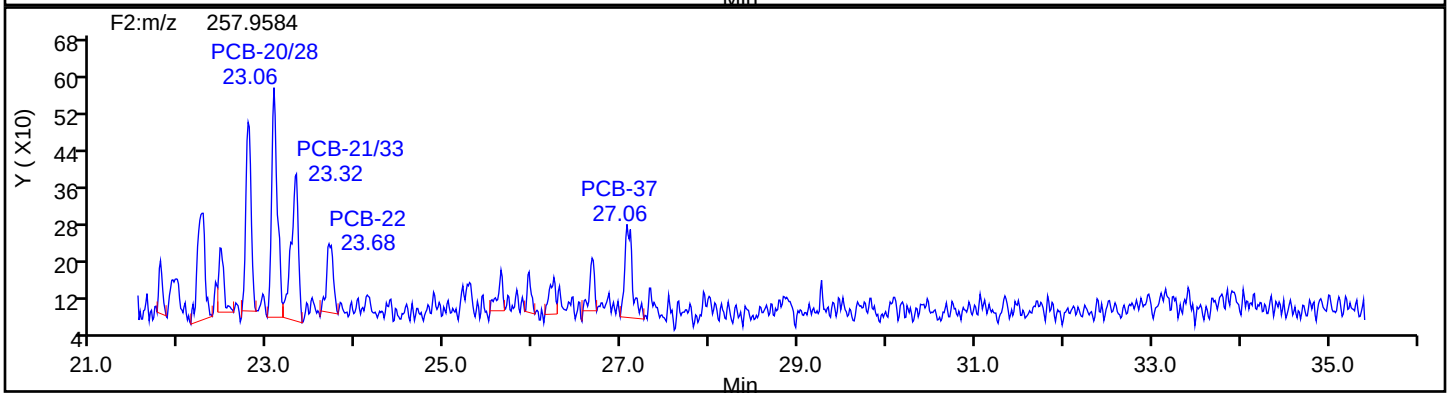
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

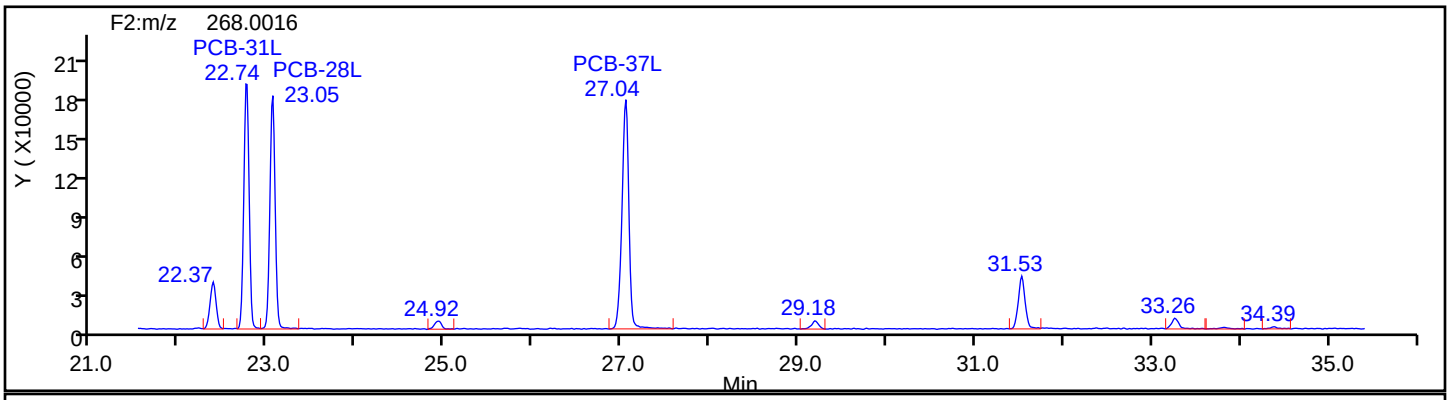
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

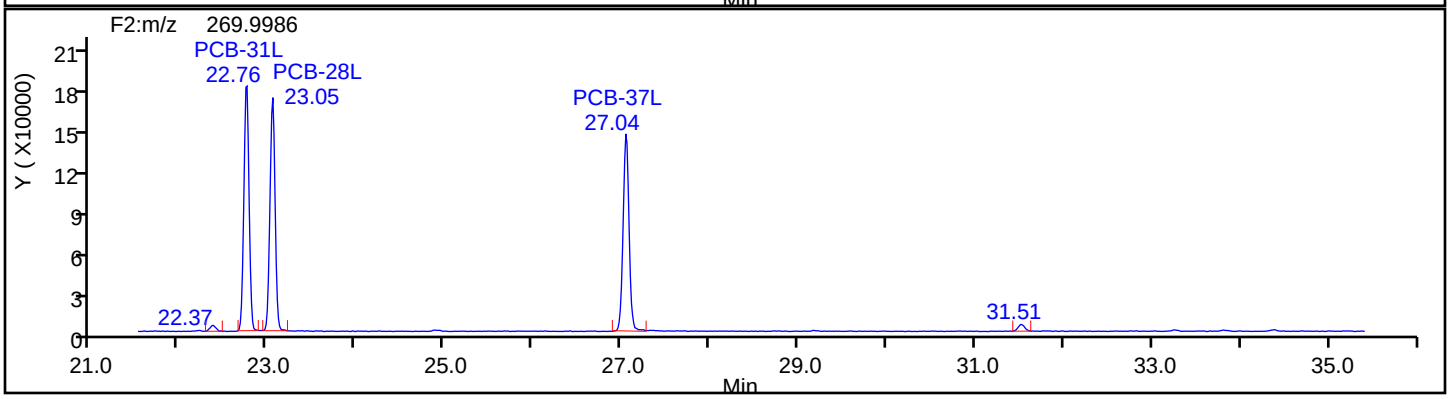
TriPCB F2




TriPCB F2 Standards

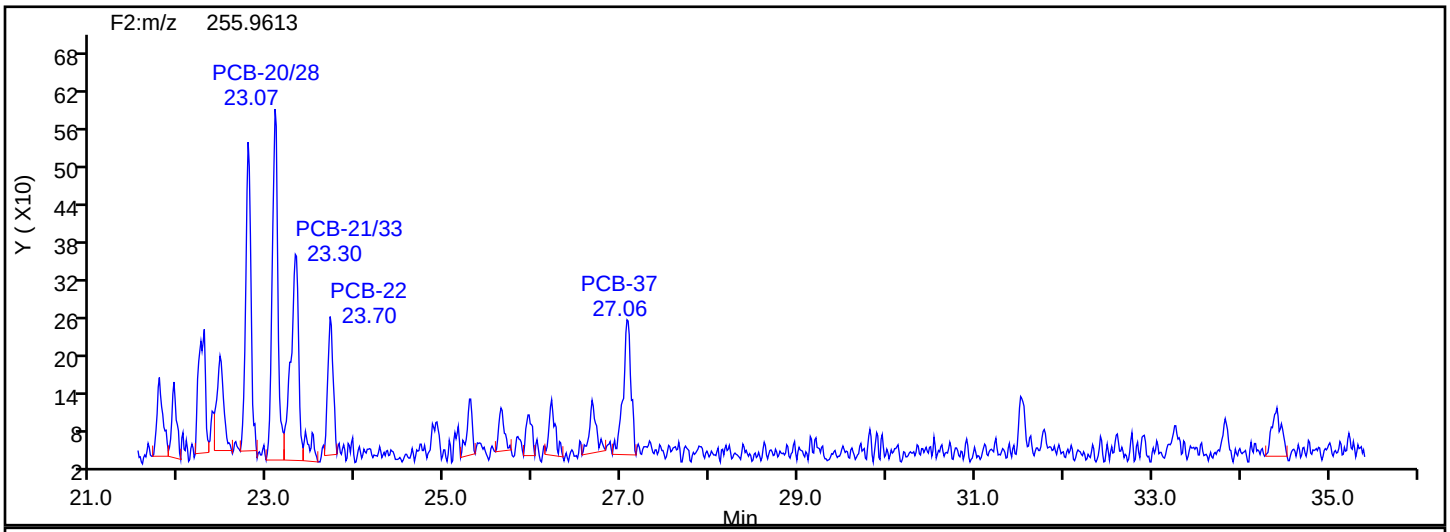


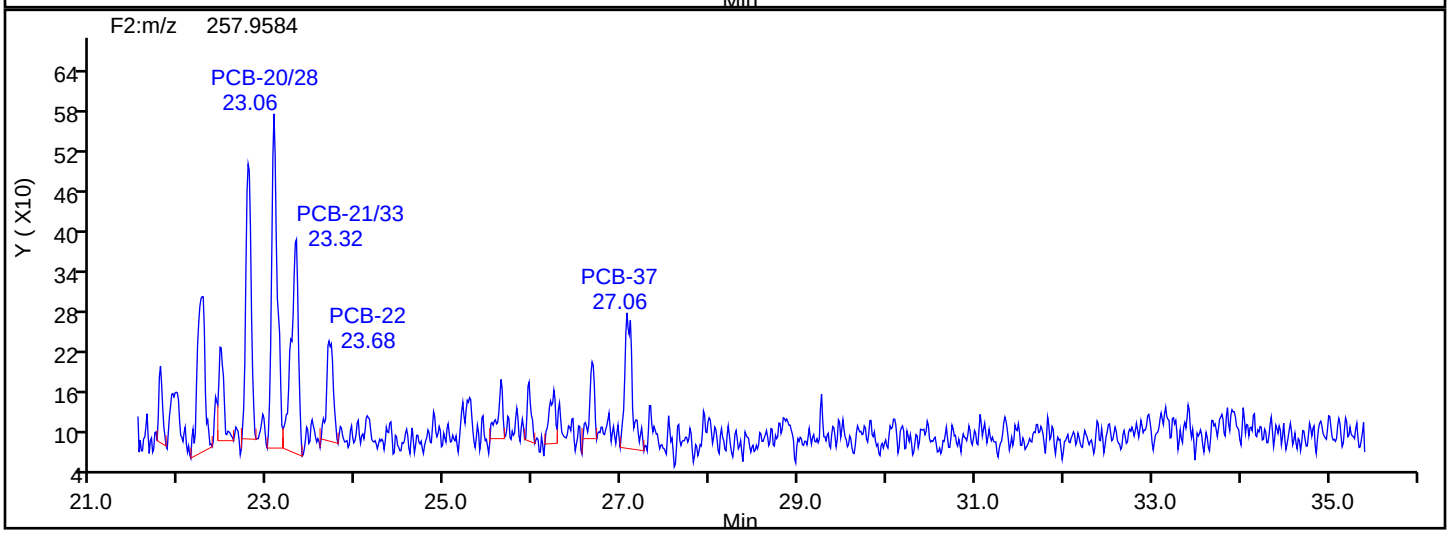



Eurofins TestAmerica, Knoxville

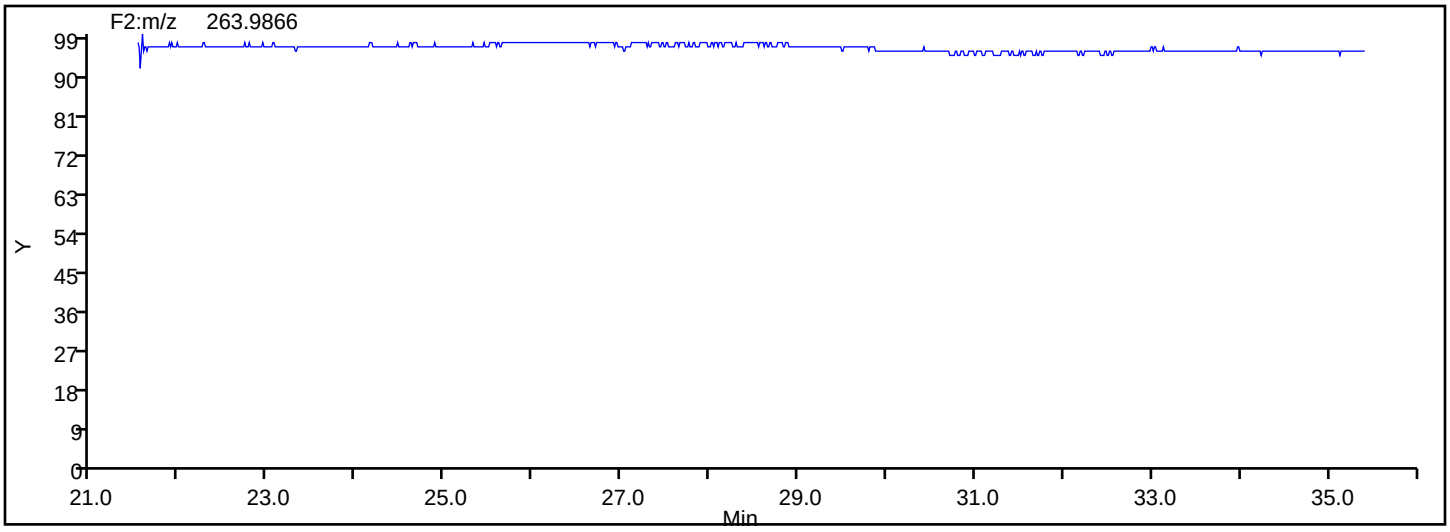
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

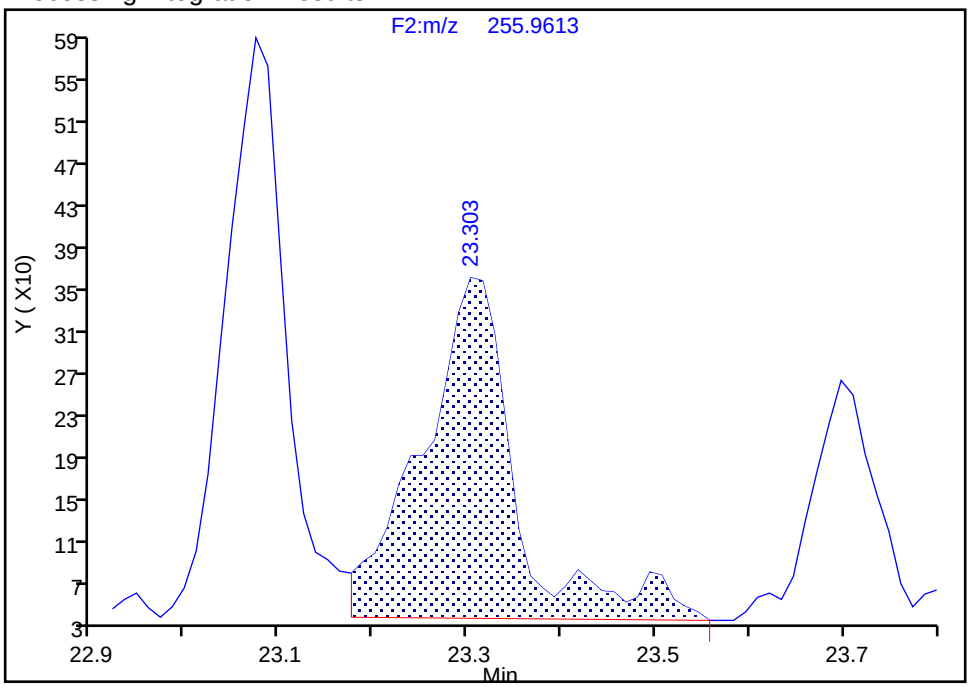
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 1

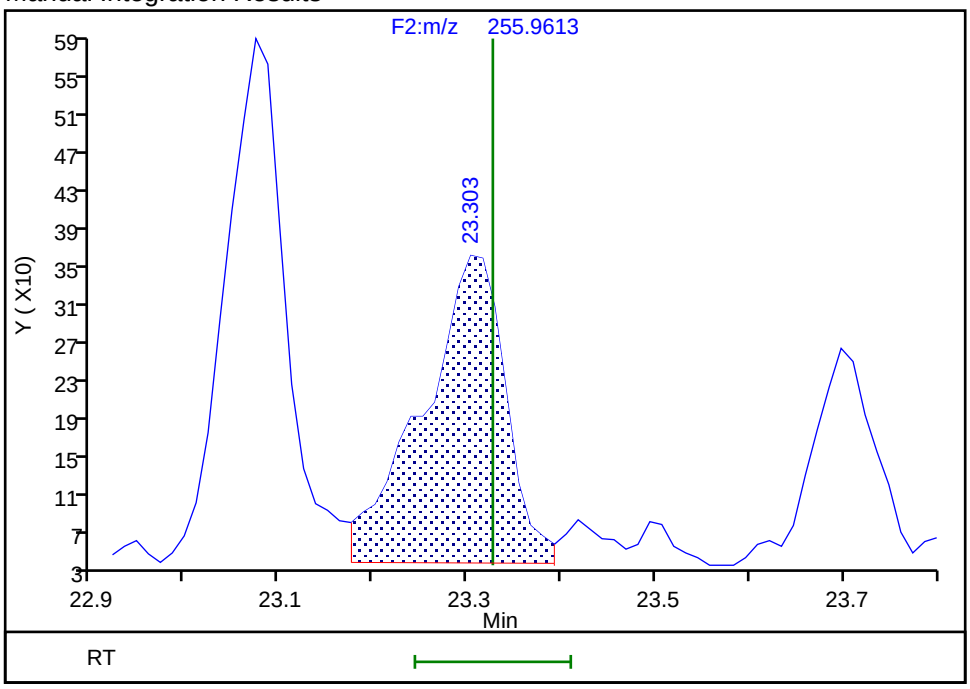
Processing Integration Results

RT: 23.30
Area: 2255
Amount: 0.180749
Amount Units: pg/ul




Manual Integration Results

RT: 23.30
Area: 1987
Amount: 0.168847
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:11:23

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

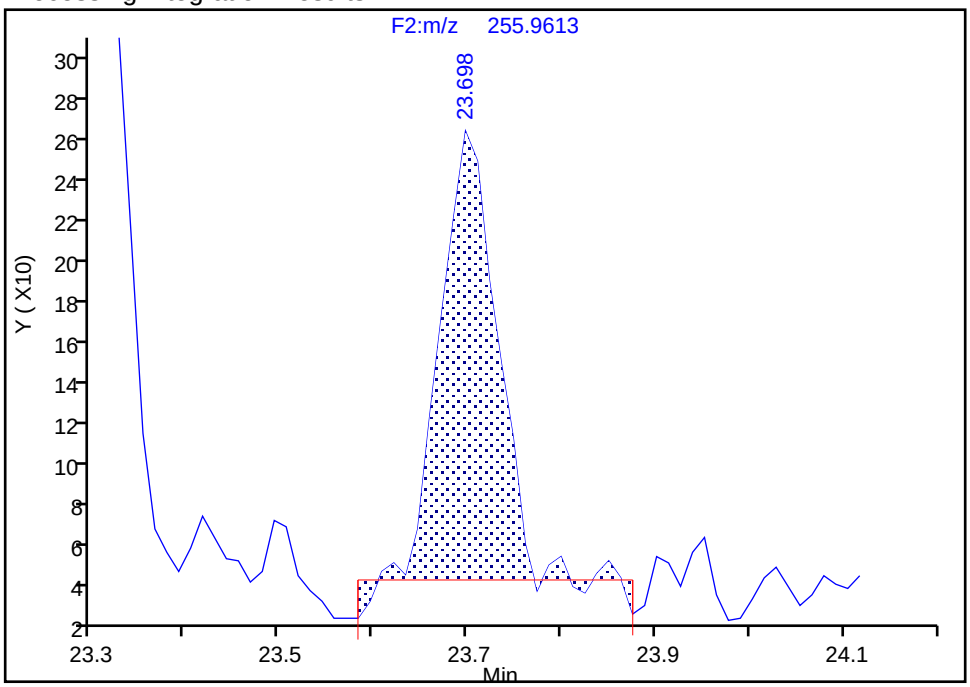
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-22, CAS: 38444-85-8

Signal: 1

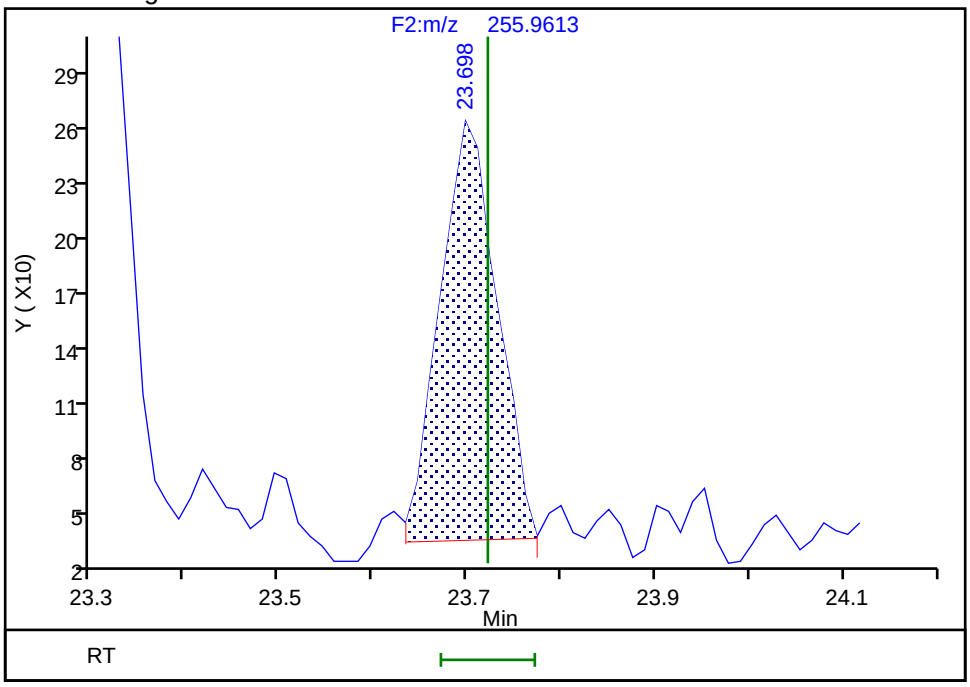
Processing Integration Results

RT: 23.70
Area: 865
Amount: 0.081708
Amount Units: pg/ul




Manual Integration Results

RT: 23.70
Area: 920
Amount: 0.084415
Amount Units: pg/ul



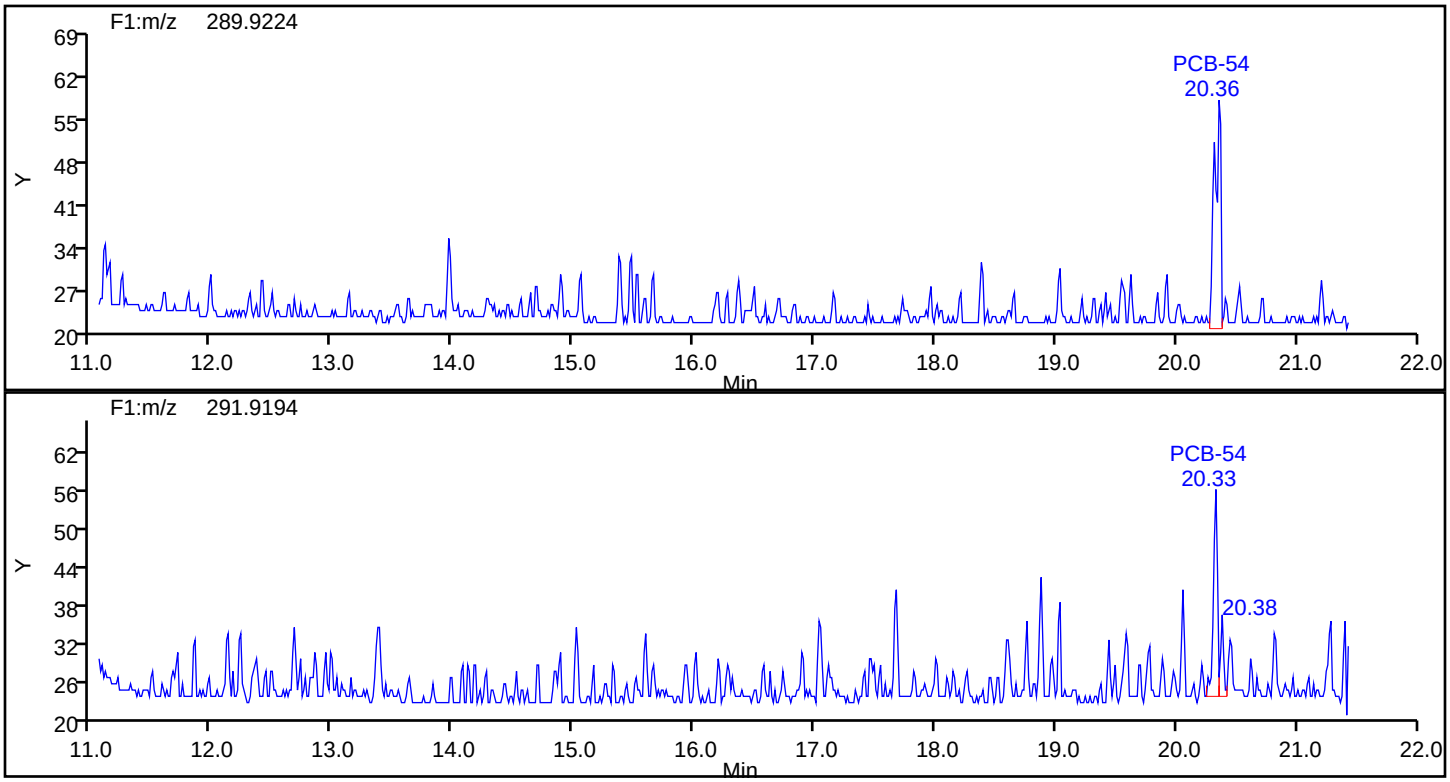

Reviewer: parslyt, 24-Sep-2019 21:12:36

Audit Action: Manually Integrated Audit Reason: Baseline

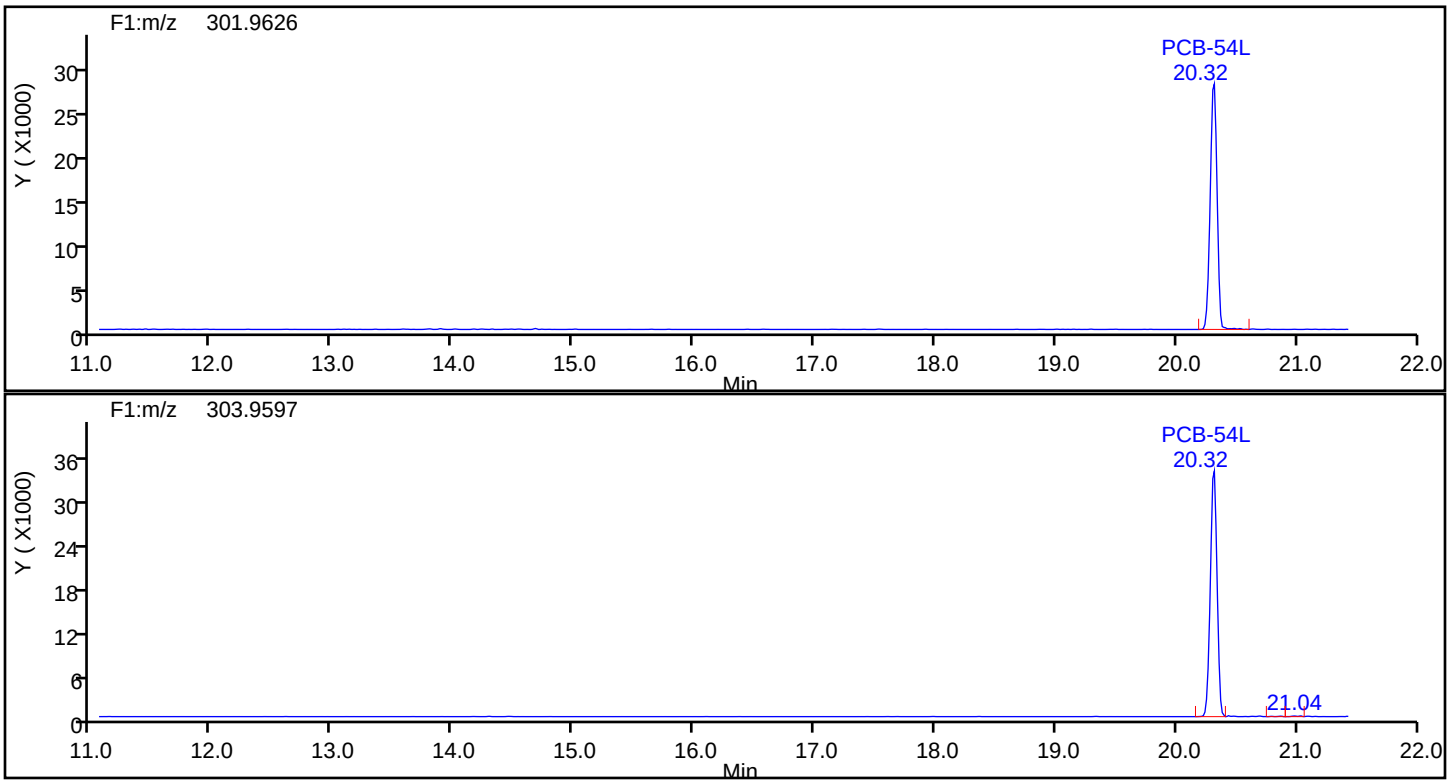
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



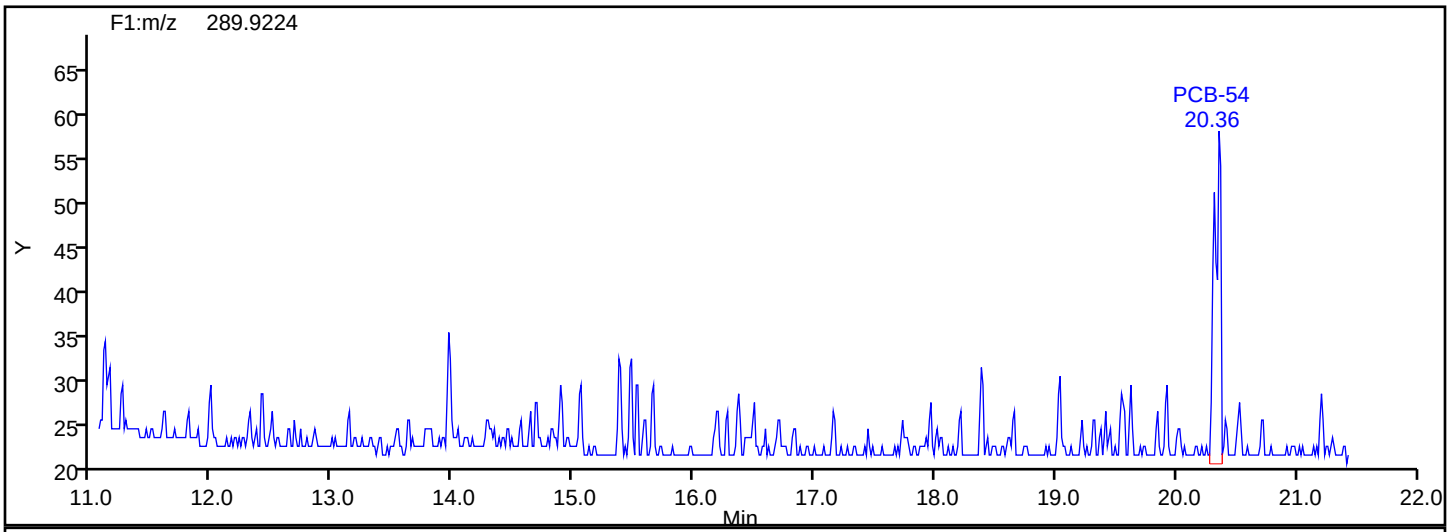

TePCB F1 Standards

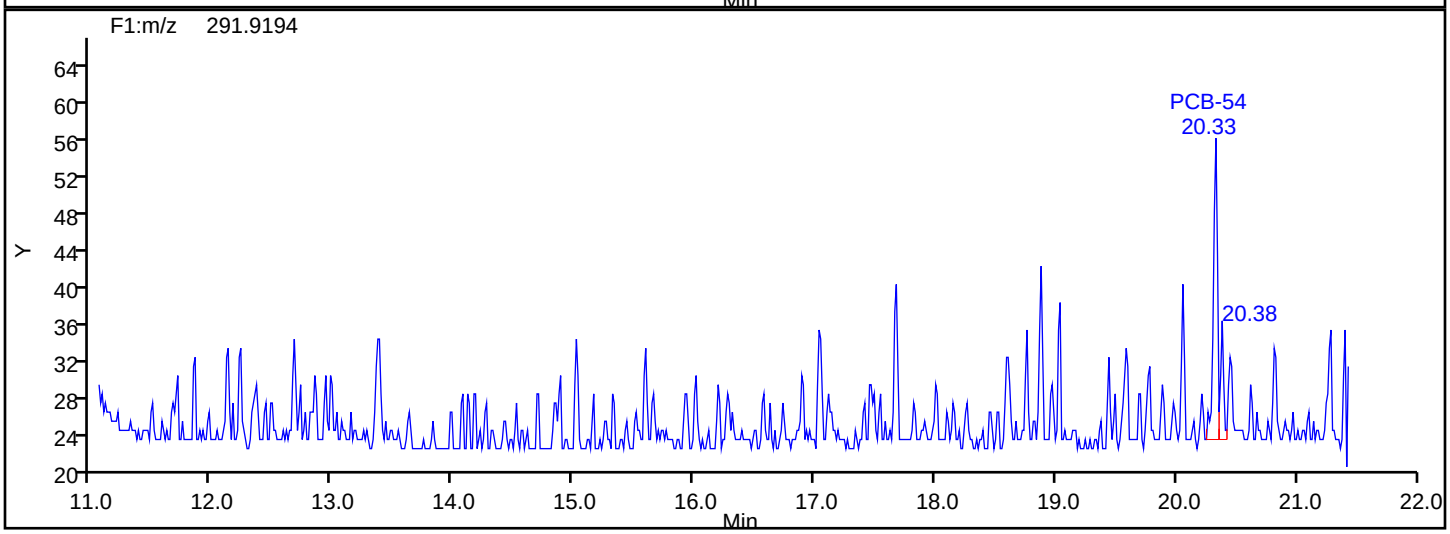


Eurofins TestAmerica, Knoxville

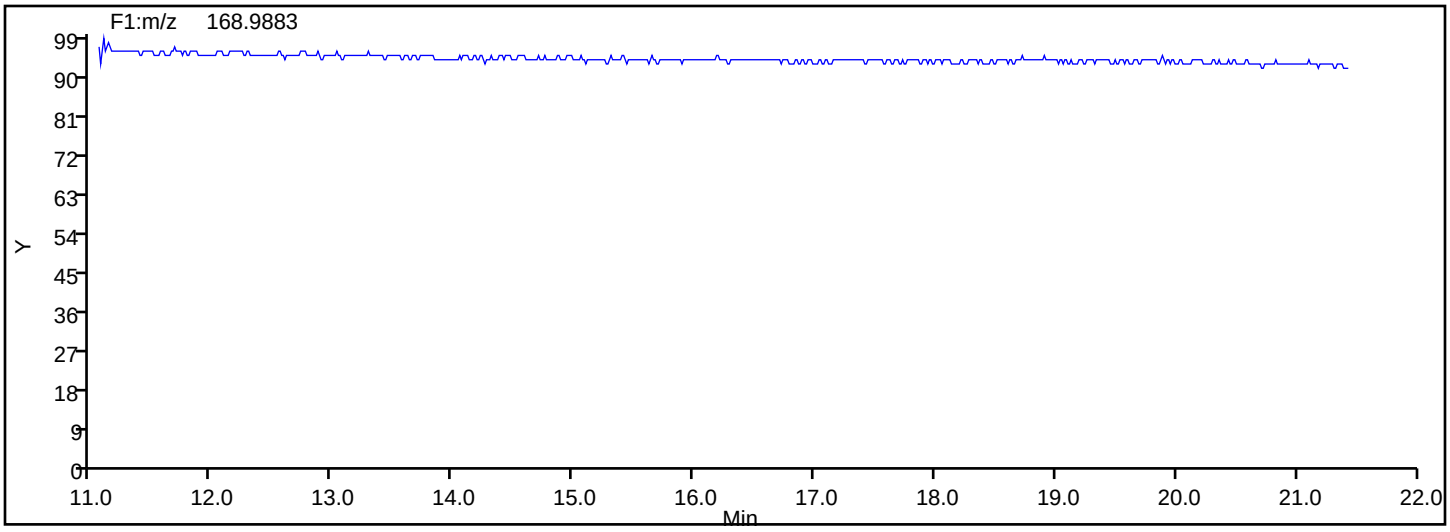
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

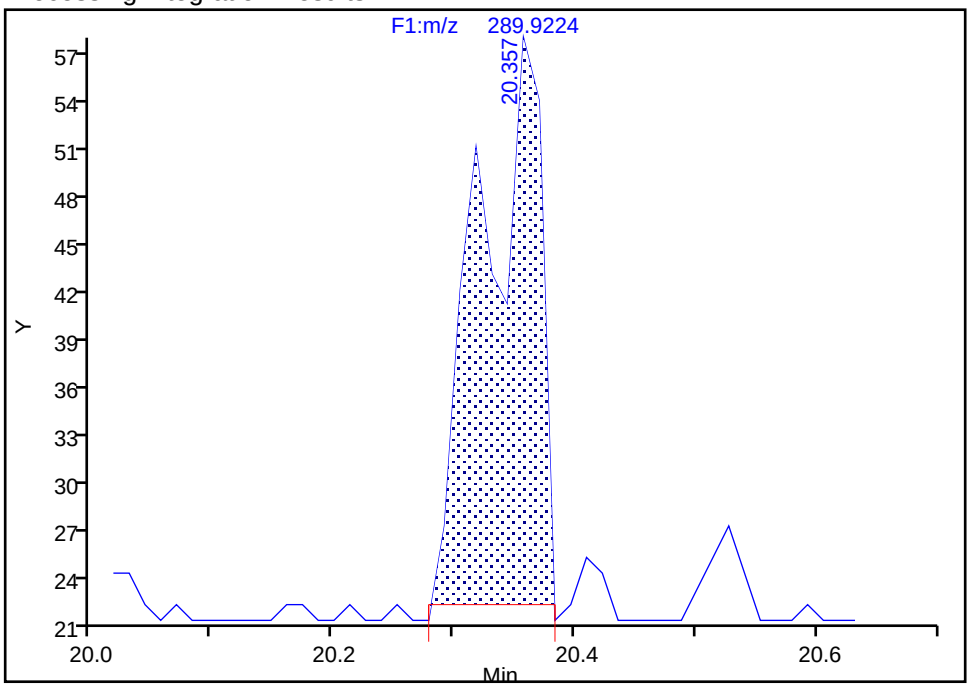
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-54, CAS: 15968-05-5

Signal: 1

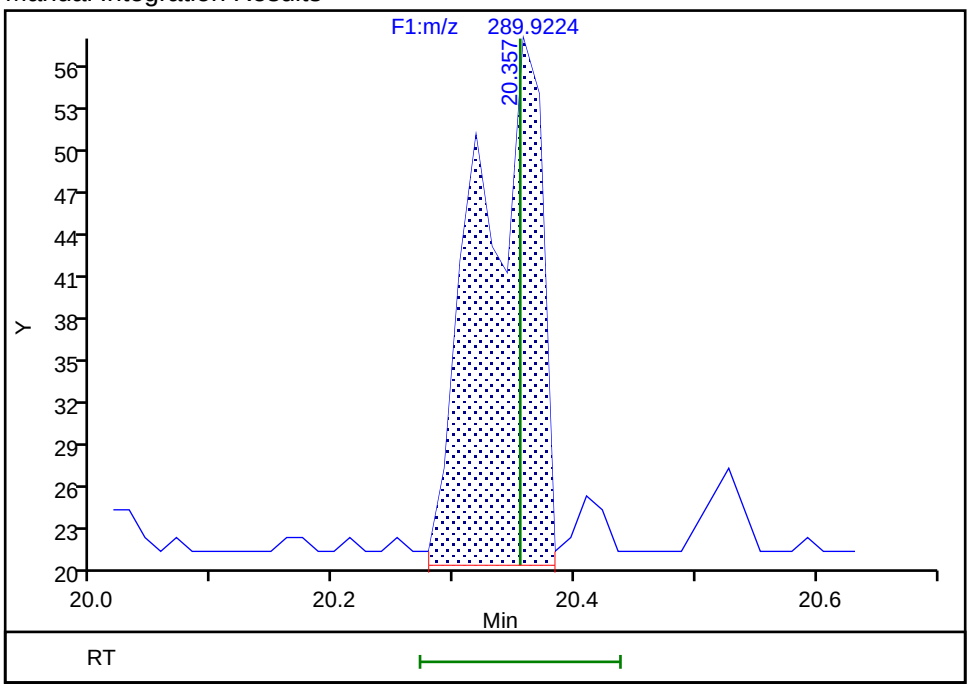
Processing Integration Results

RT: 20.36
Area: 126
Amount: 0.074635
Amount Units: pg/ul




Manual Integration Results

RT: 20.36
Area: 138
Amount: 0.071002
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:13:16
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

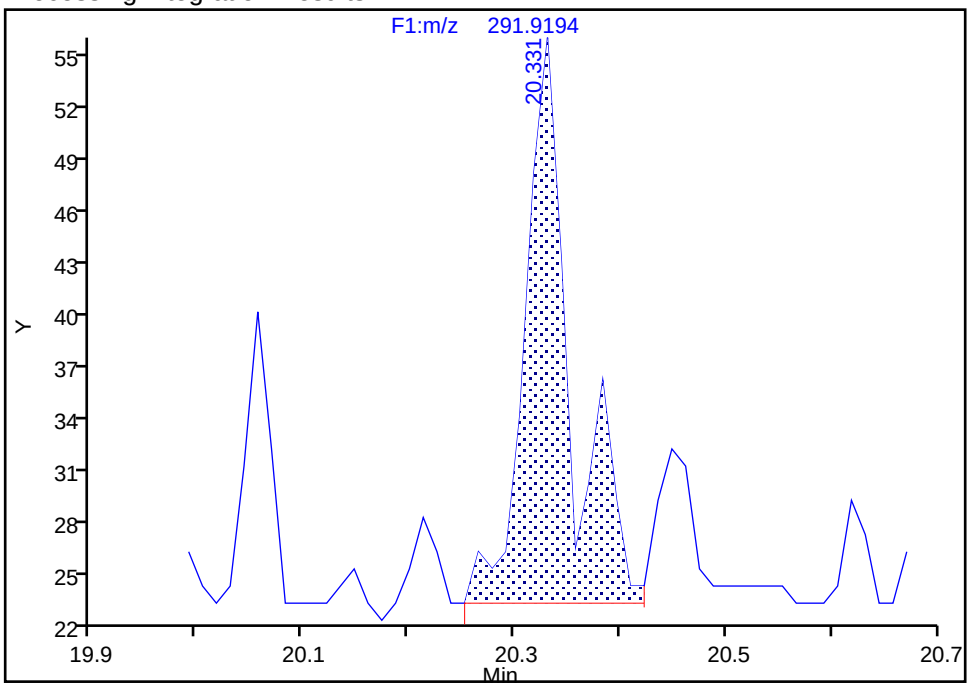
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-54, CAS: 15968-05-5

Signal: 2

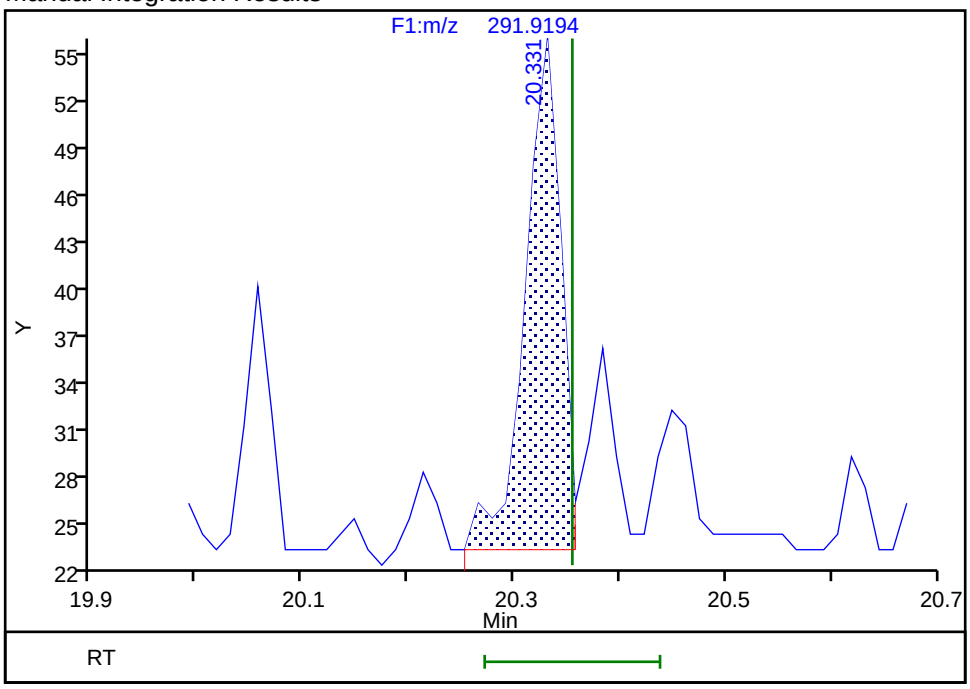
Processing Integration Results

RT: 20.33
Area: 100
Amount: 0.074635
Amount Units: pg/ul




Manual Integration Results

RT: 20.33
Area: 77
Amount: 0.071002
Amount Units: pg/ul



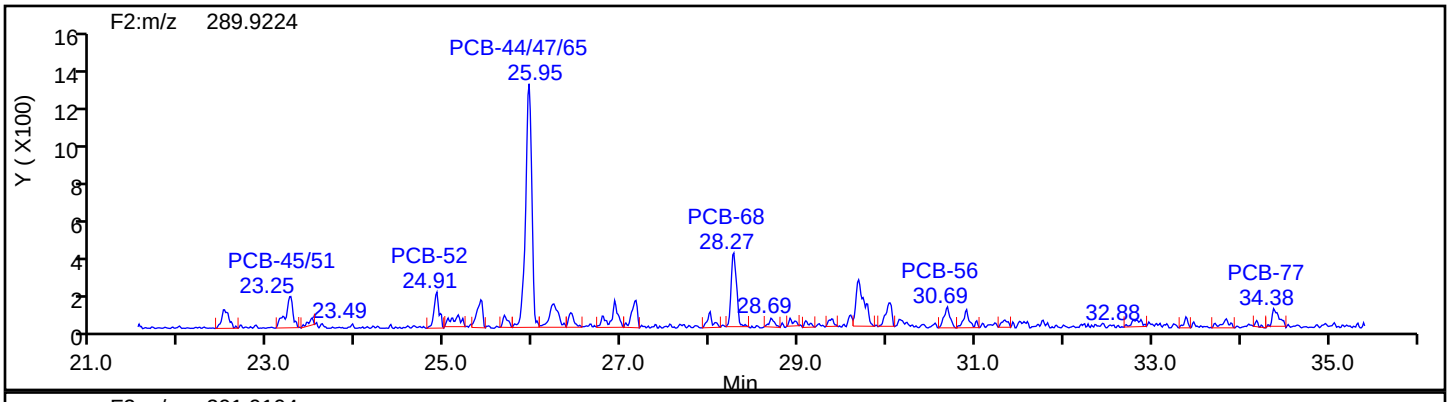

Reviewer: parslyt, 24-Sep-2019 21:13:32
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

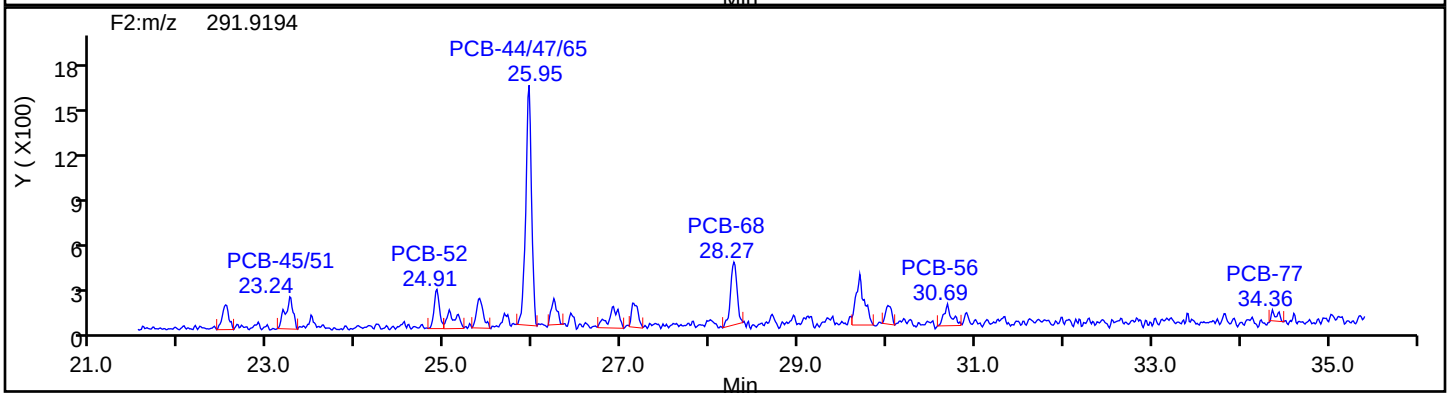
Report Date: 24-Sep-2019 21:22:00 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

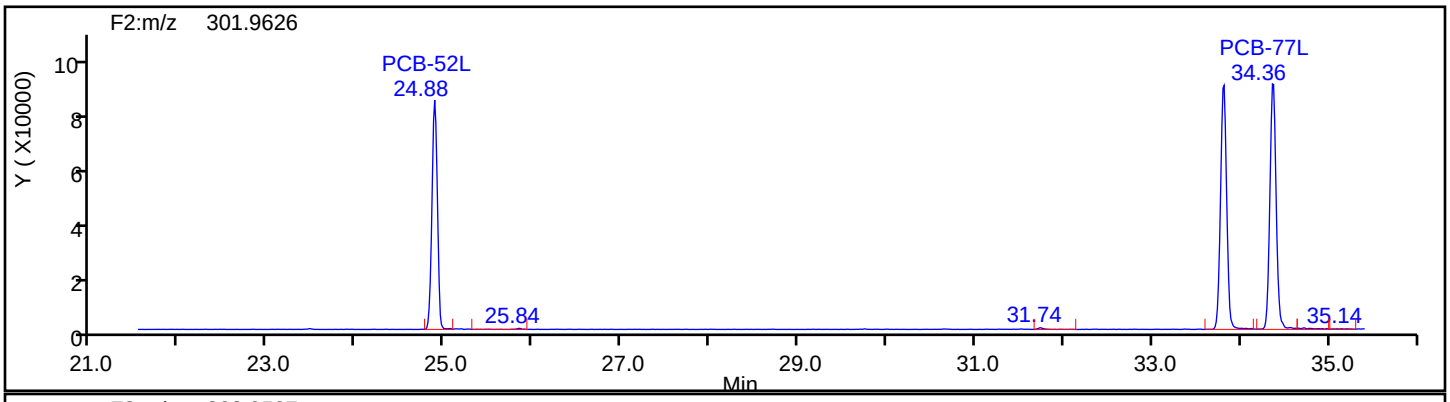
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

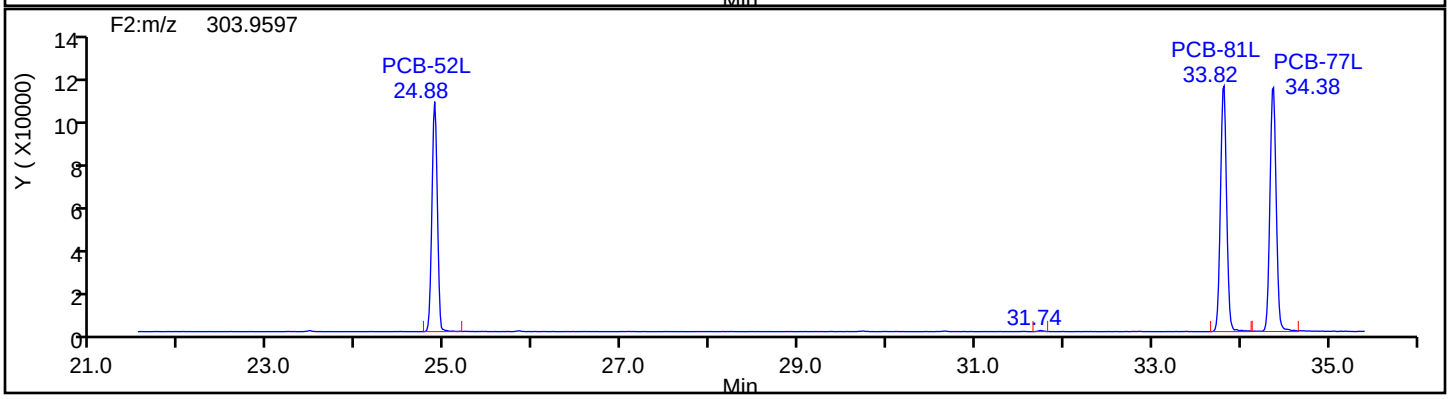
TePCB F2




TePCB F2 Standards

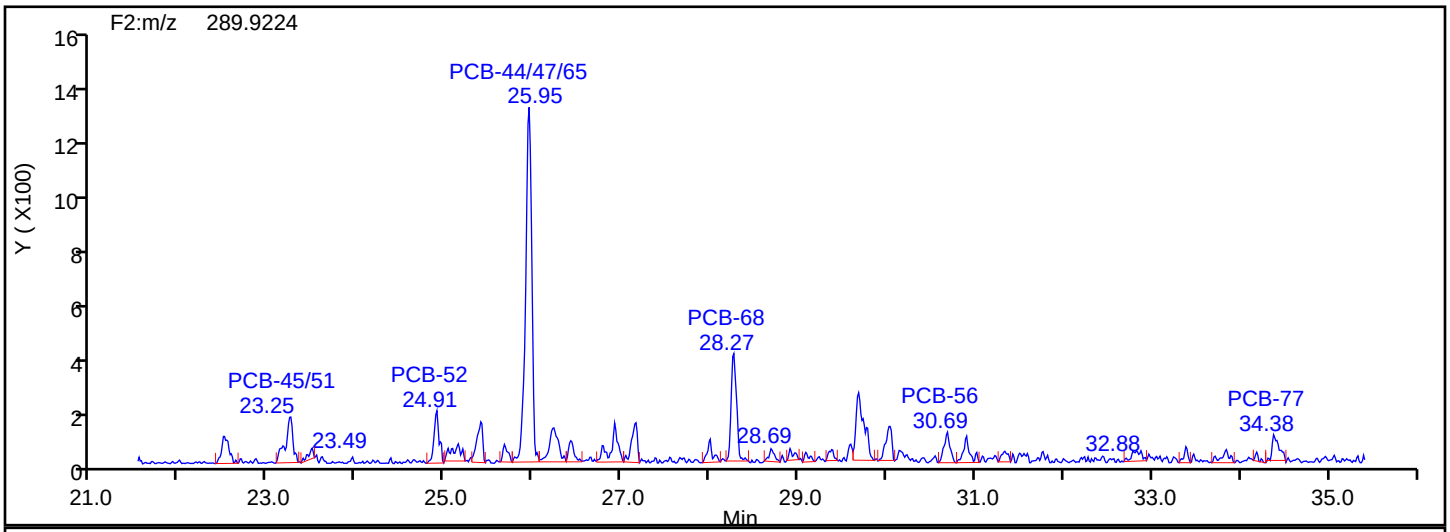


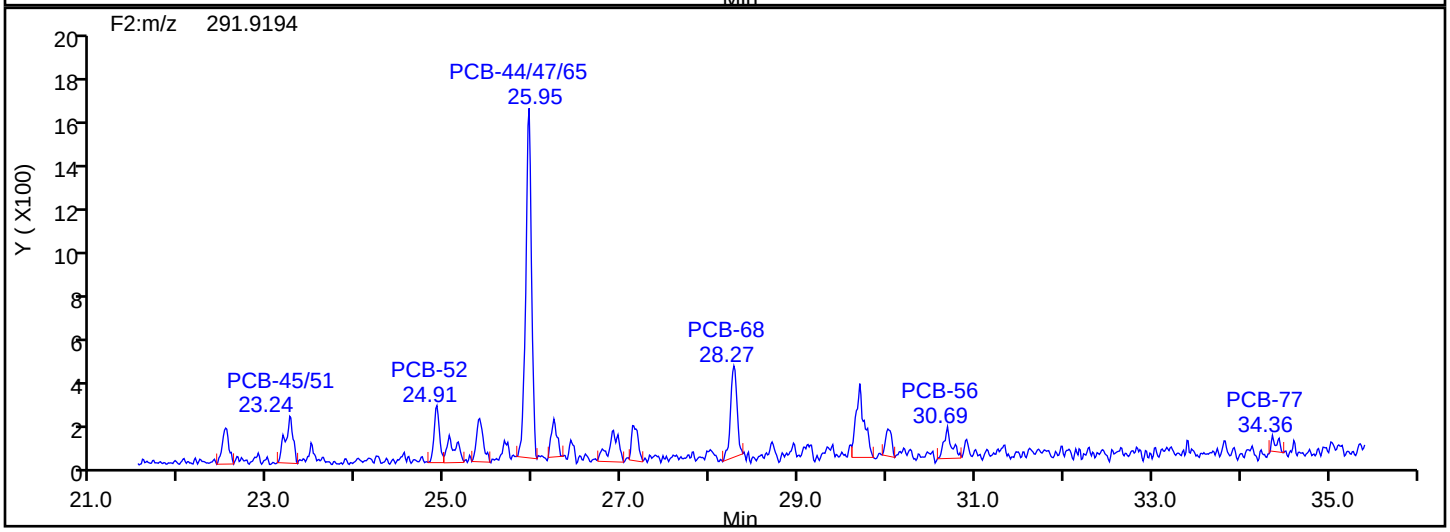



Eurofins TestAmerica, Knoxville

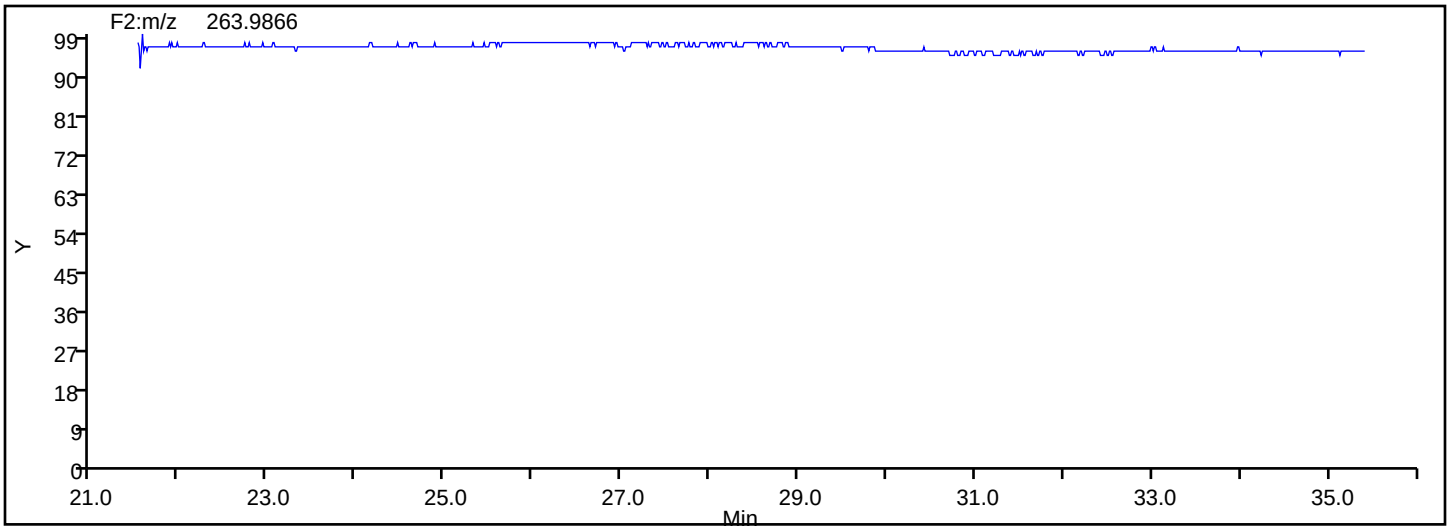
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

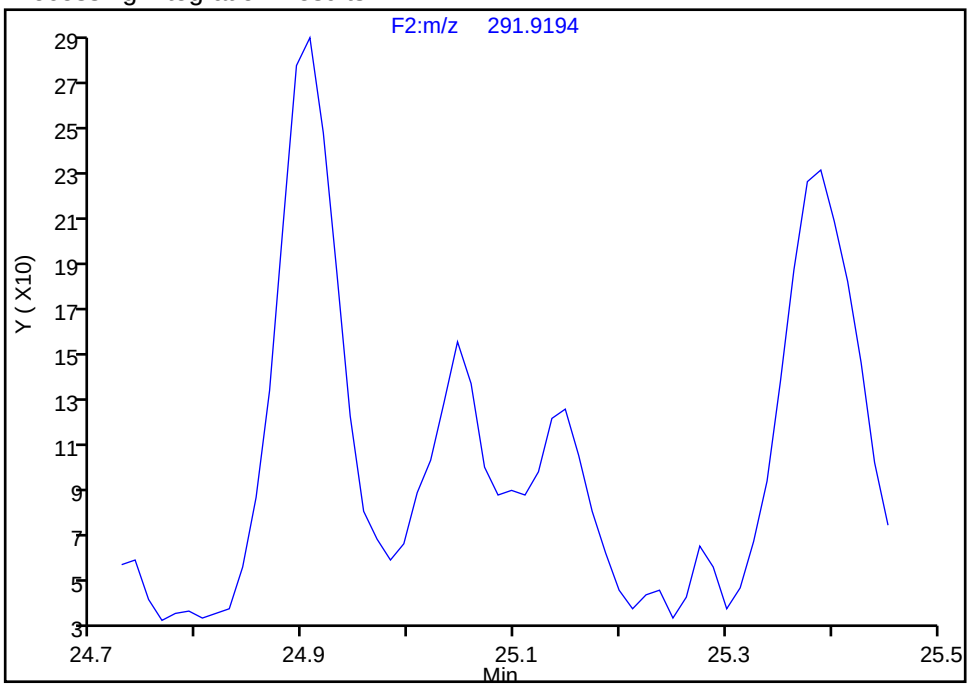
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

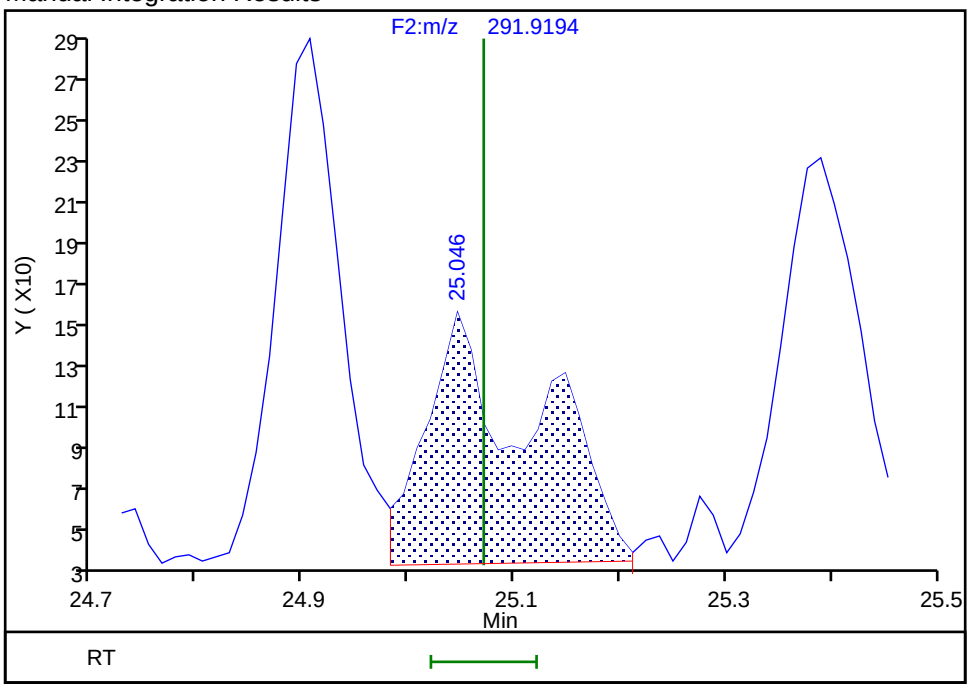
Not Detected
Expected RT: 25.07

Processing Integration Results




Manual Integration Results

RT: 25.05
Area: 856
Amount: 0.133654
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:14:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

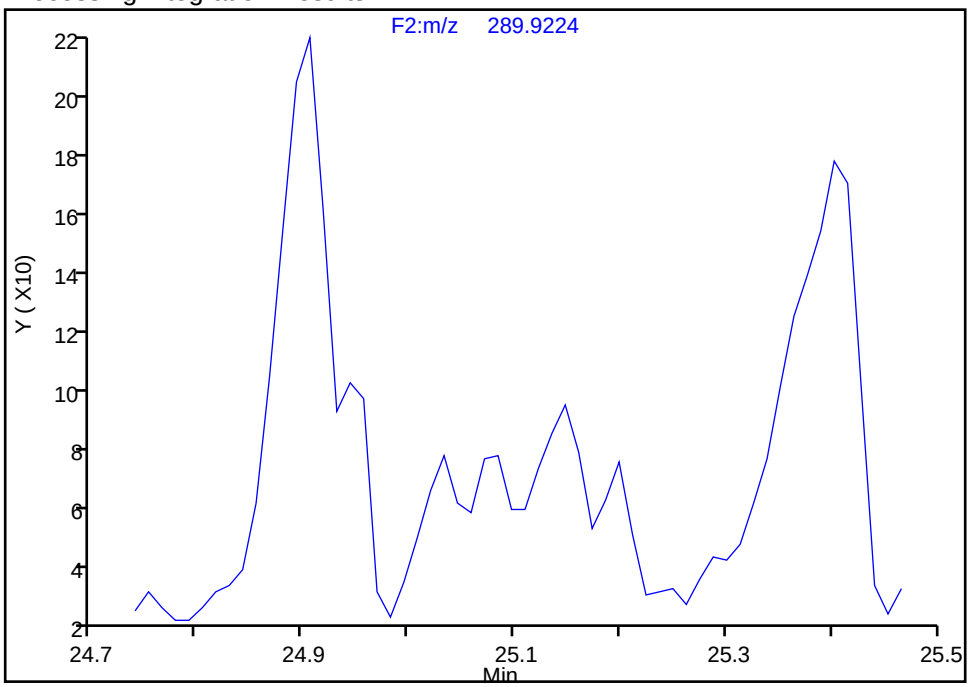
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

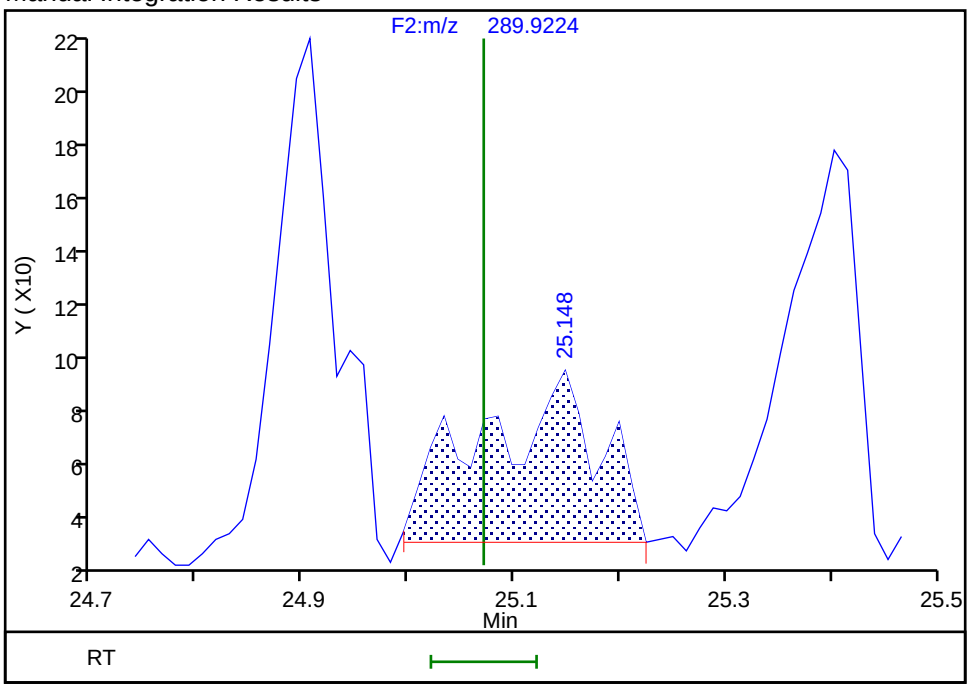
Not Detected
Expected RT: 25.07

Processing Integration Results




Manual Integration Results

RT: 25.15
Area: 459
Amount: 0.133654
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:14:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

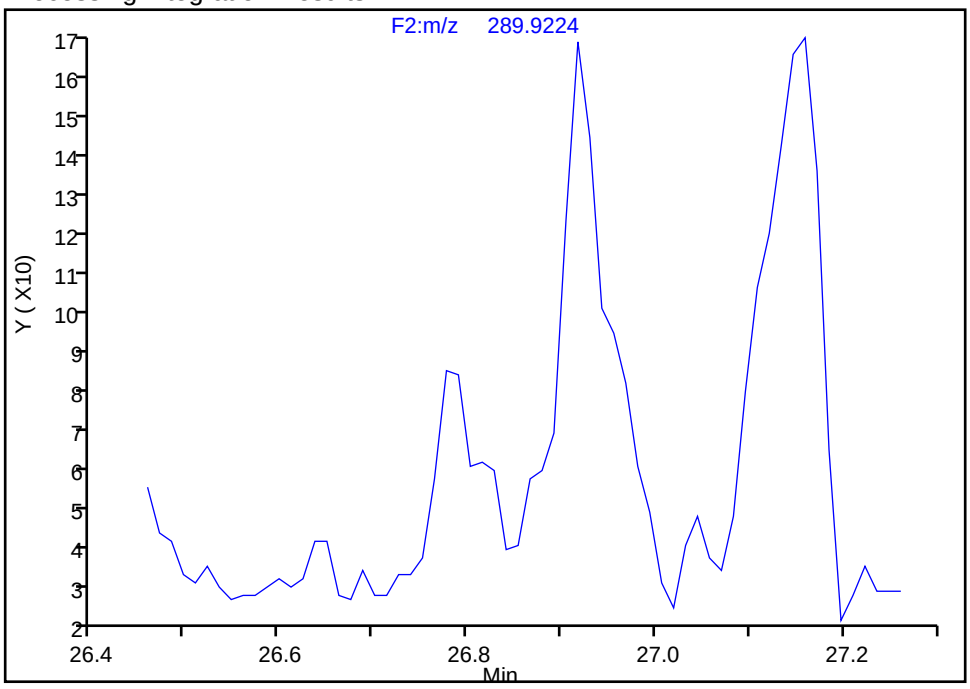
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

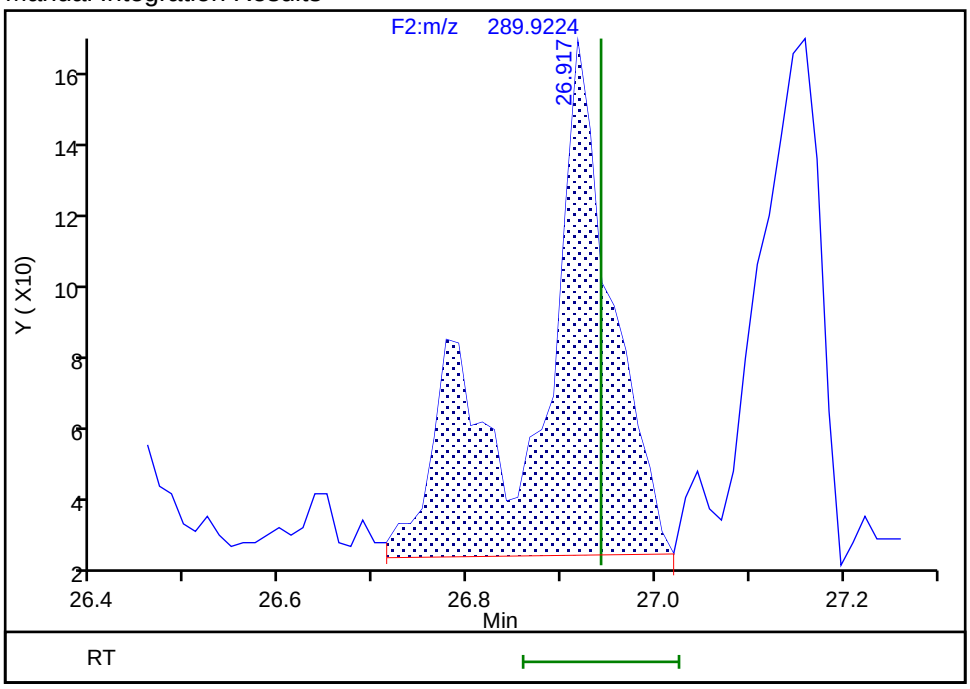
Not Detected
Expected RT: 26.94

Processing Integration Results




Manual Integration Results

RT: 26.92
Area: 779
Amount: 0.209474
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:15:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

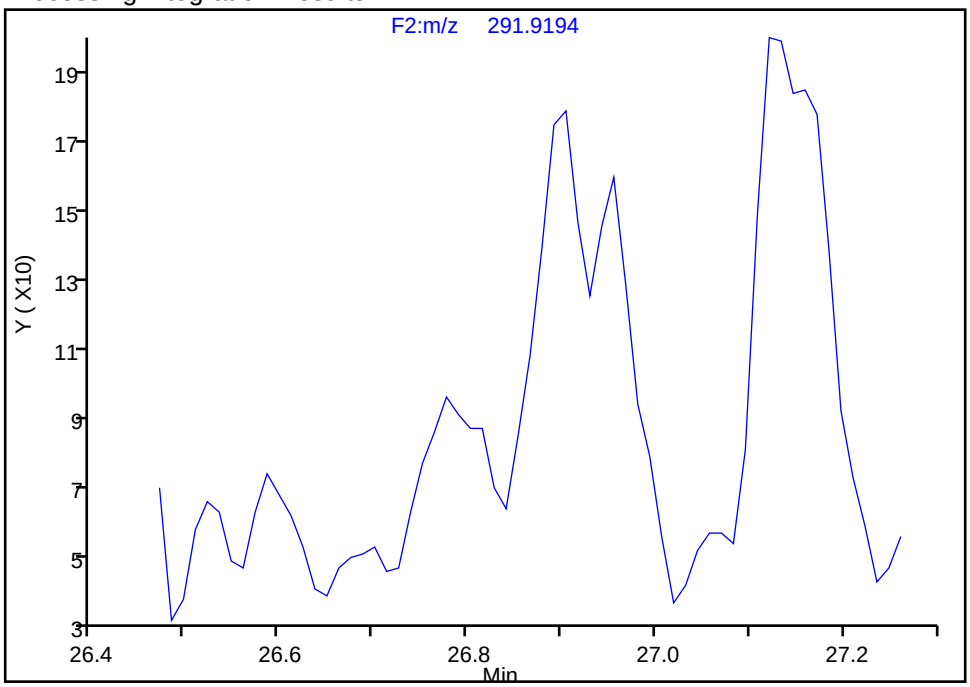
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

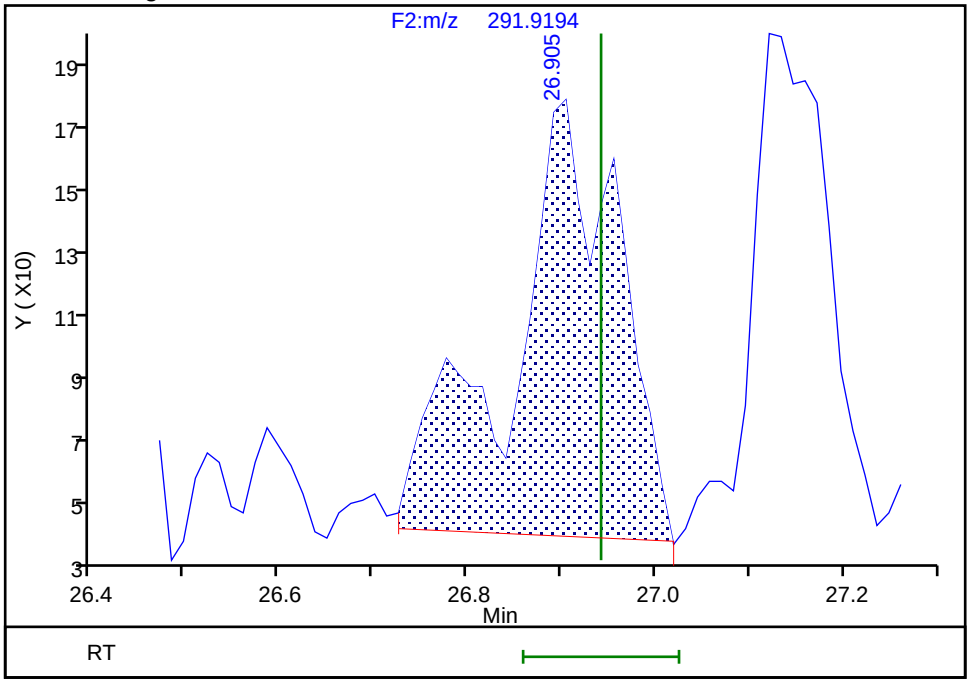
Not Detected
Expected RT: 26.94

Processing Integration Results




Manual Integration Results

RT: 26.90
Area: 1114
Amount: 0.209474
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:15:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

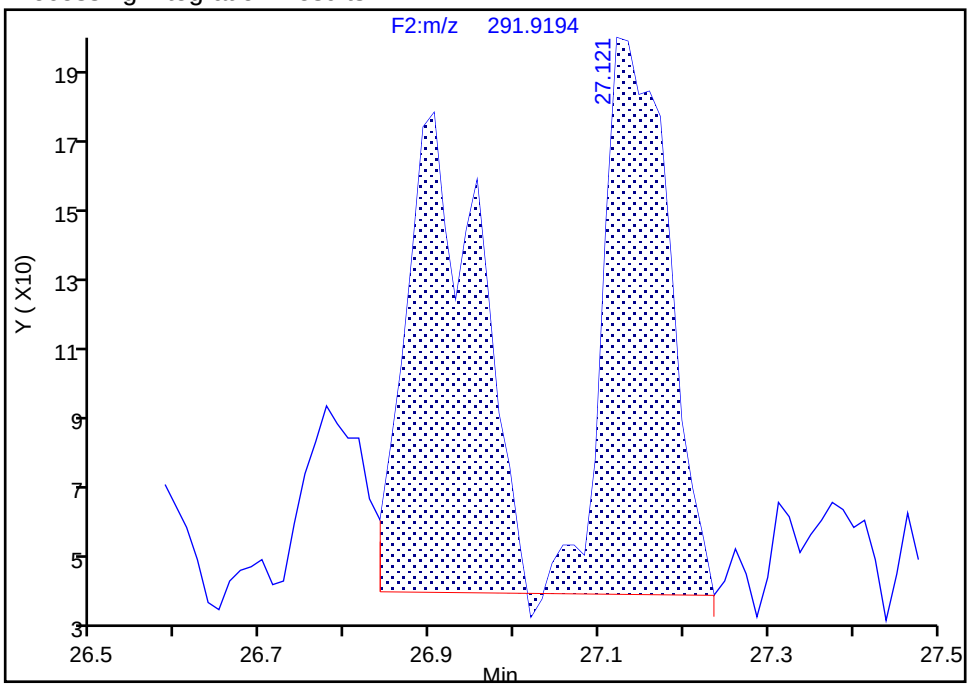
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-64, CAS: 52663-58-8

Signal: 2

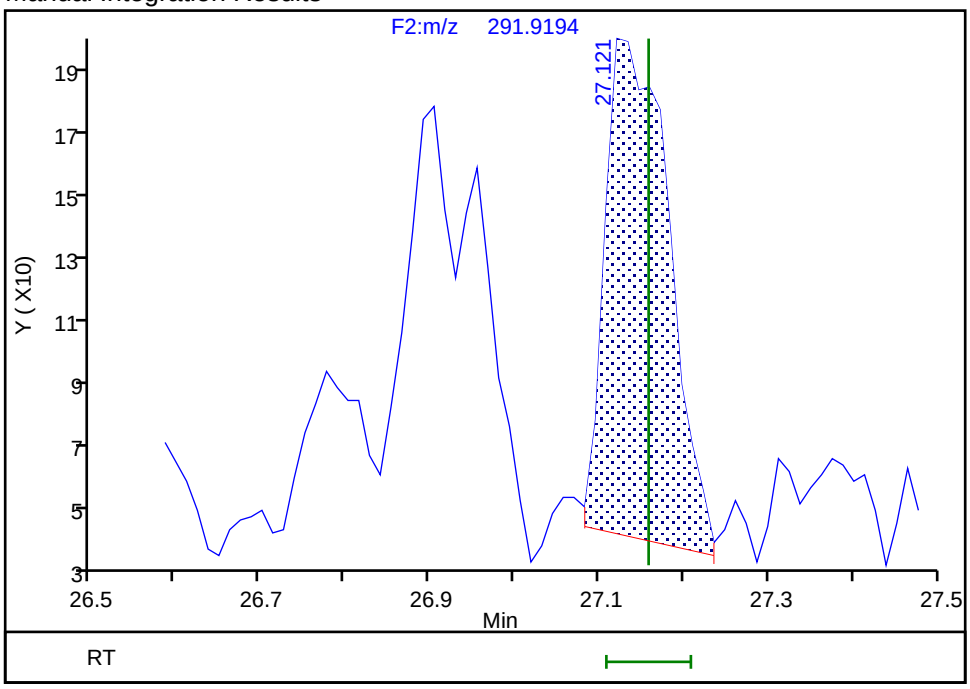
Processing Integration Results

RT: 27.12
Area: 1644
Amount: 0.164006
Amount Units: pg/ul




Manual Integration Results

RT: 27.12
Area: 808
Amount: 0.104055
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:15:03
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

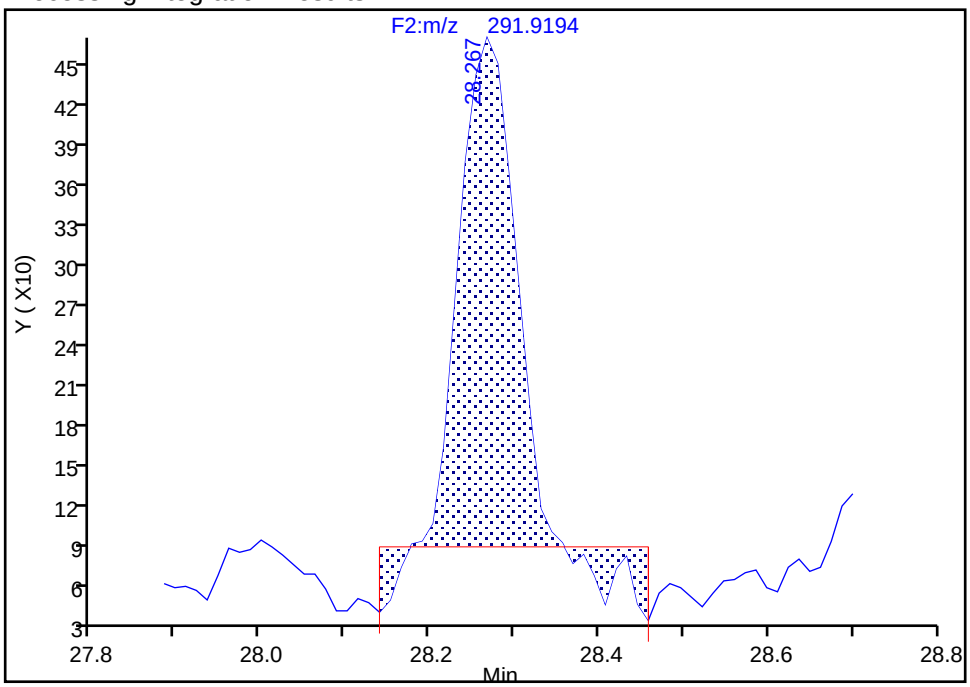
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-68, CAS: 73575-52-7

Signal: 2

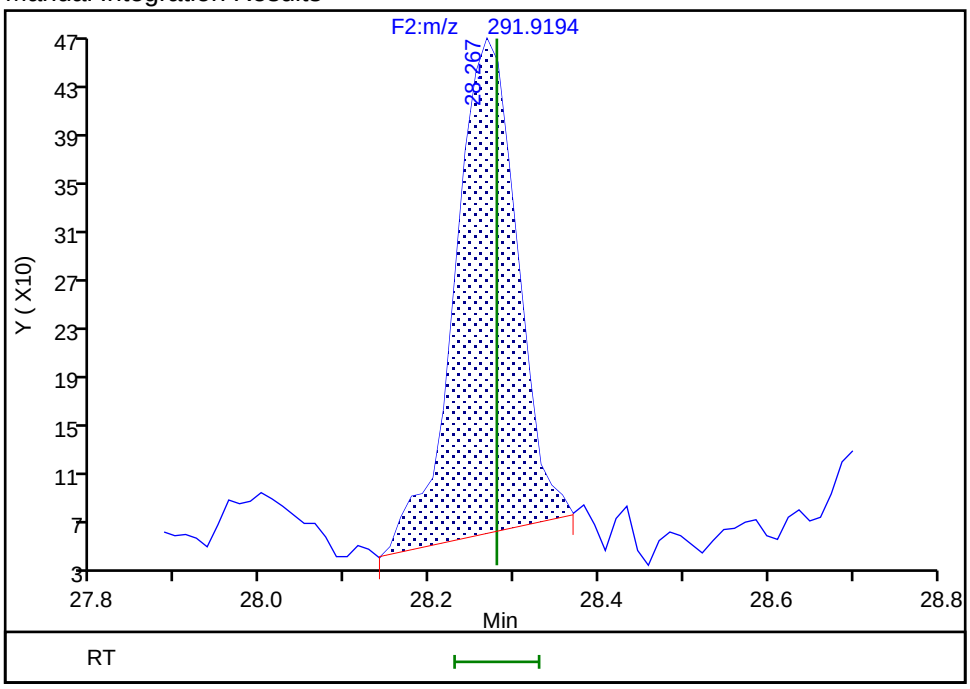
Processing Integration Results

RT: 28.27
Area: 1519
Amount: 0.215067
Amount Units: pg/ul




Manual Integration Results

RT: 28.27
Area: 2057
Amount: 0.252033
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:15:51

Audit Action: Manually Integrated Audit Reason: Baseline

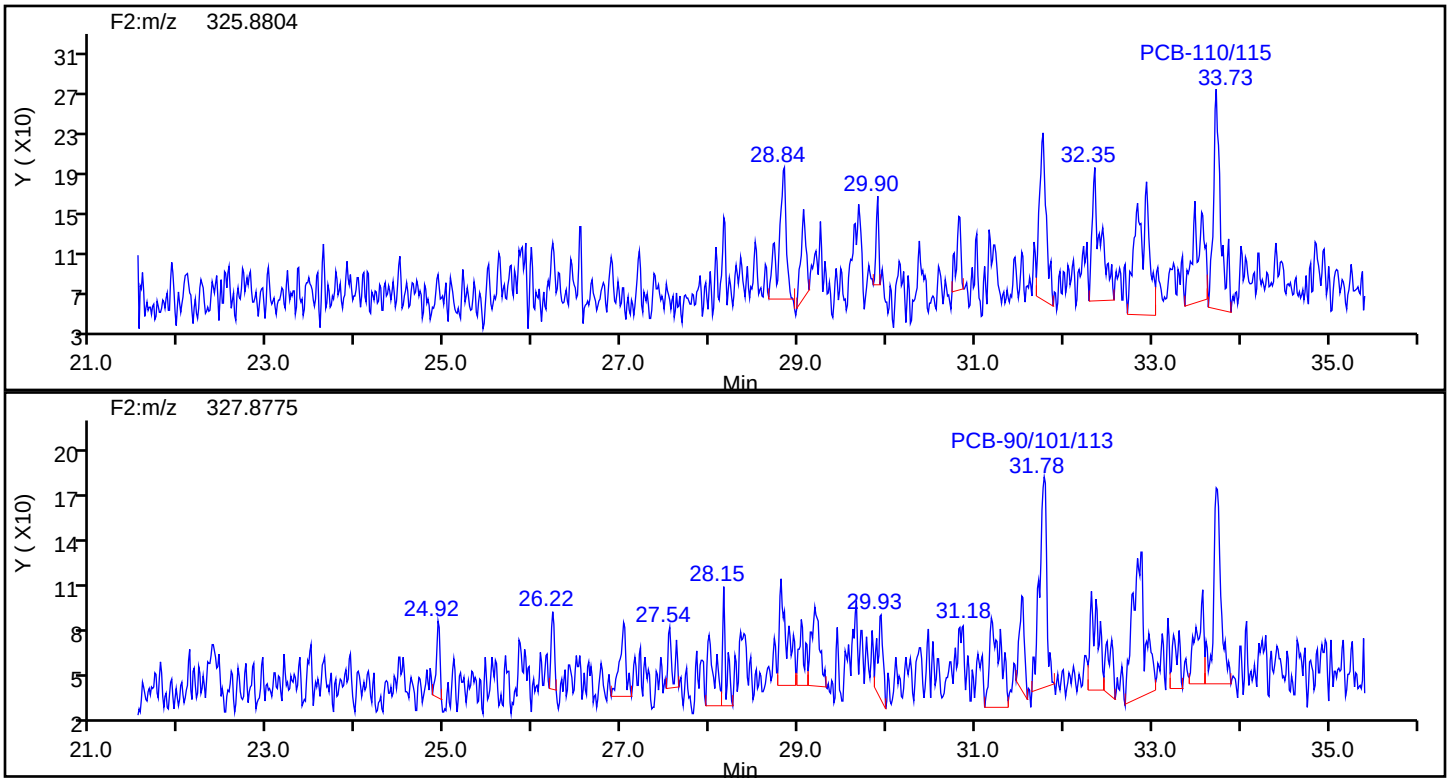
Report Date: 24-Sep-2019 21:22:00 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

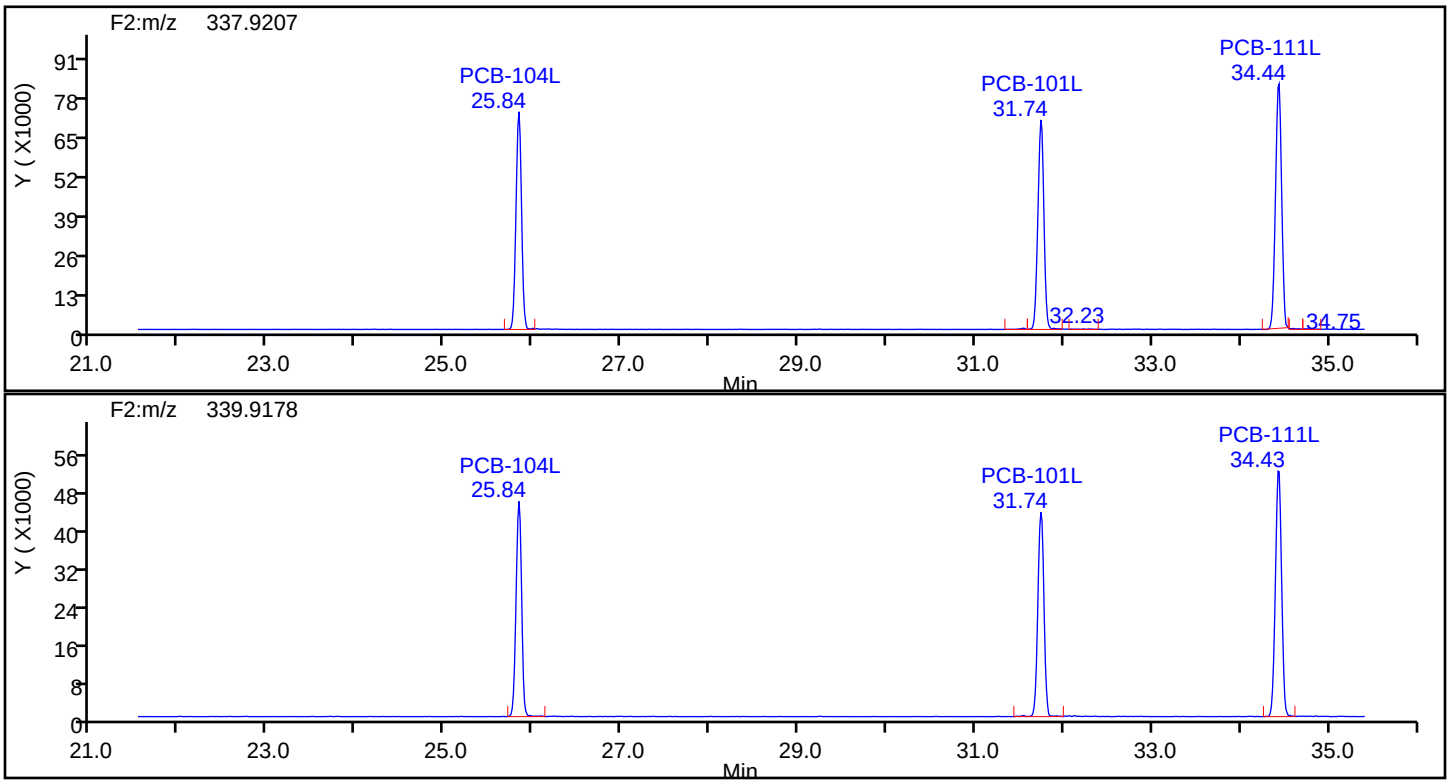
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d

| | | | |
|---|---|---|---|
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



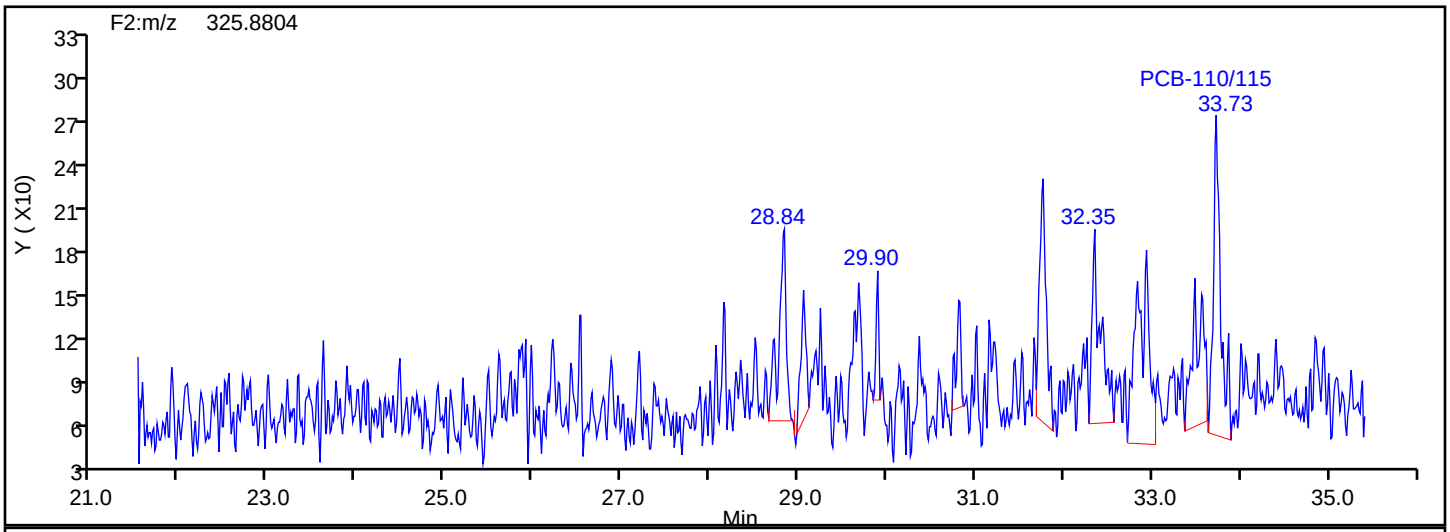

PePCB F2 Standards

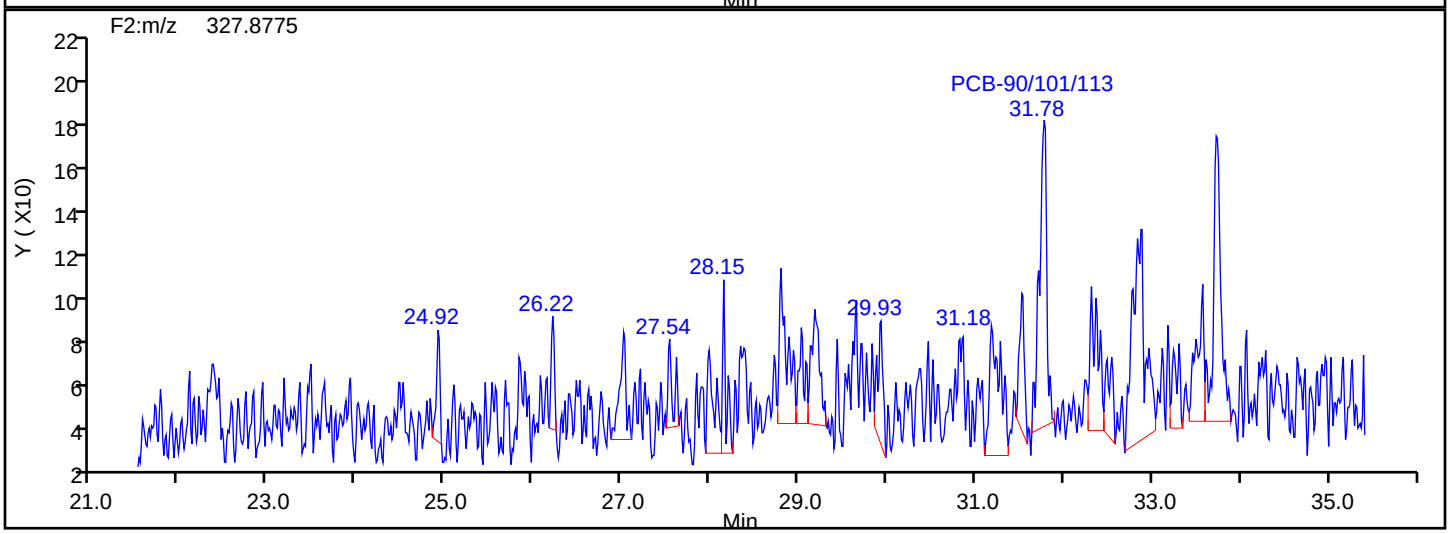


Eurofins TestAmerica, Knoxville

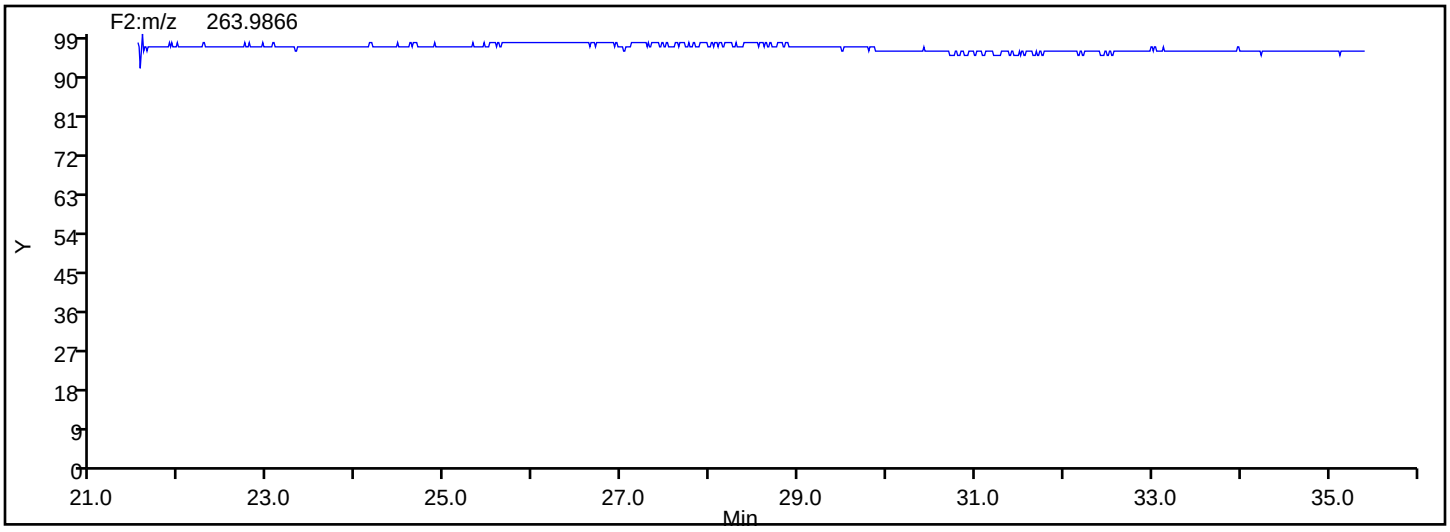
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

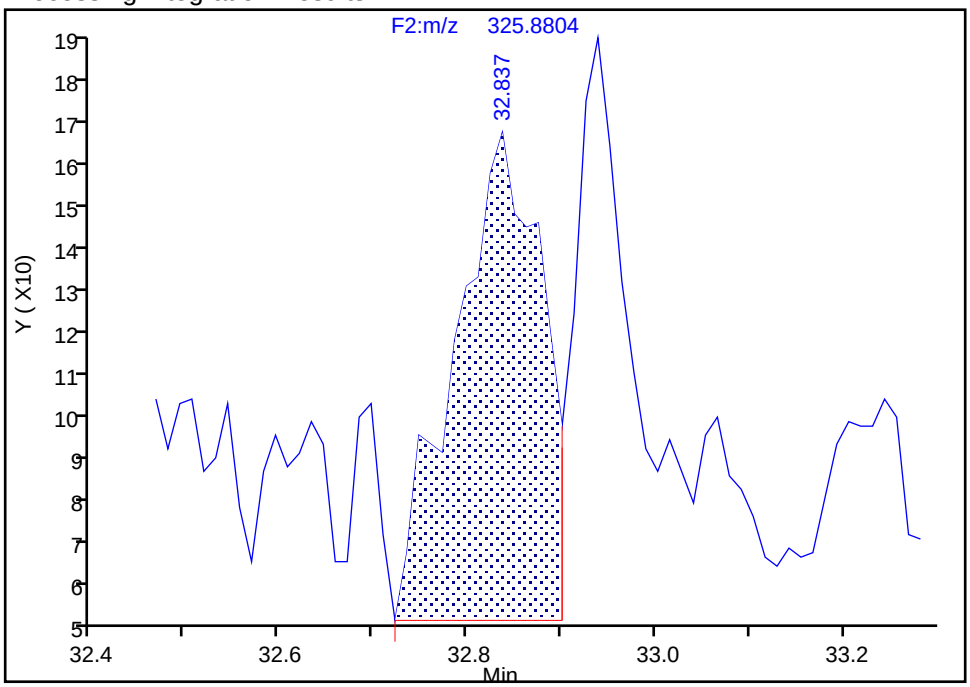
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

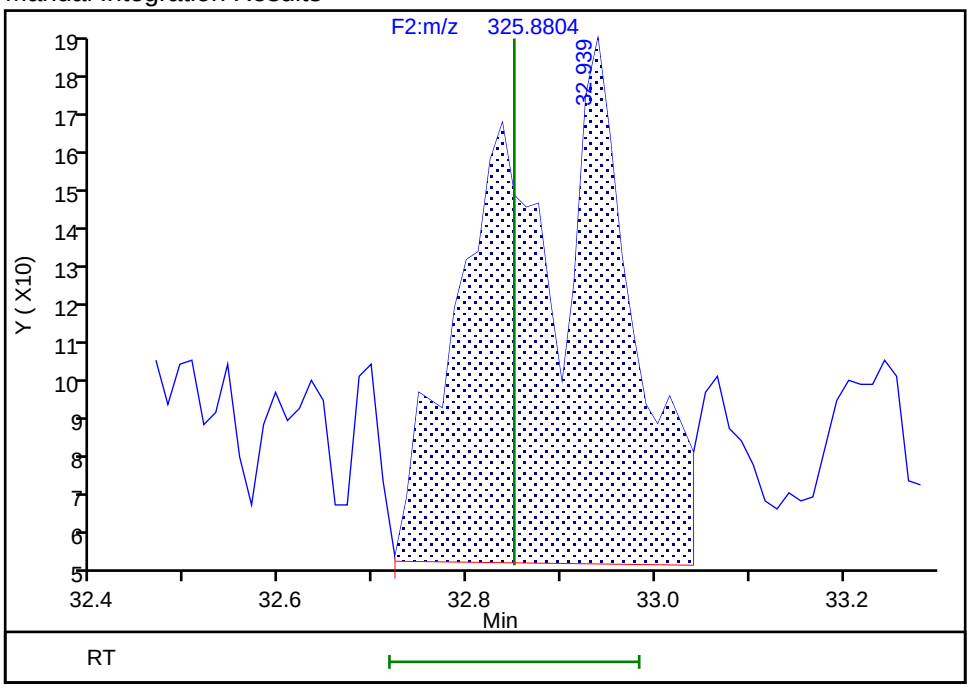
Processing Integration Results

RT: 32.84
Area: 687
Amount: 0.225574
Amount Units: pg/ul




Manual Integration Results

RT: 32.94
Area: 1270
Amount: 0.354726
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:17:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

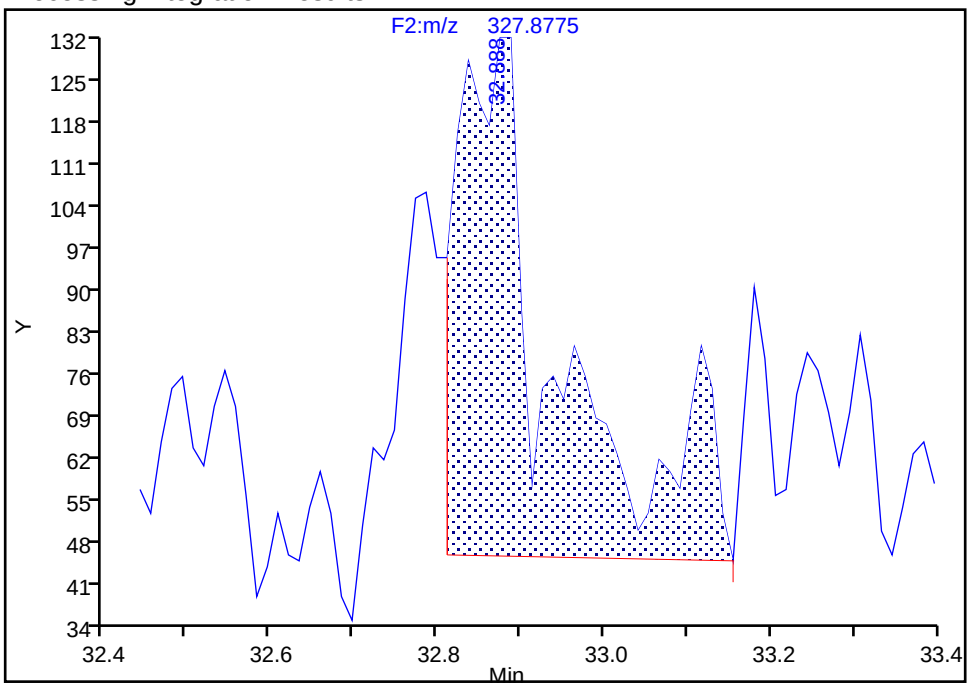
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

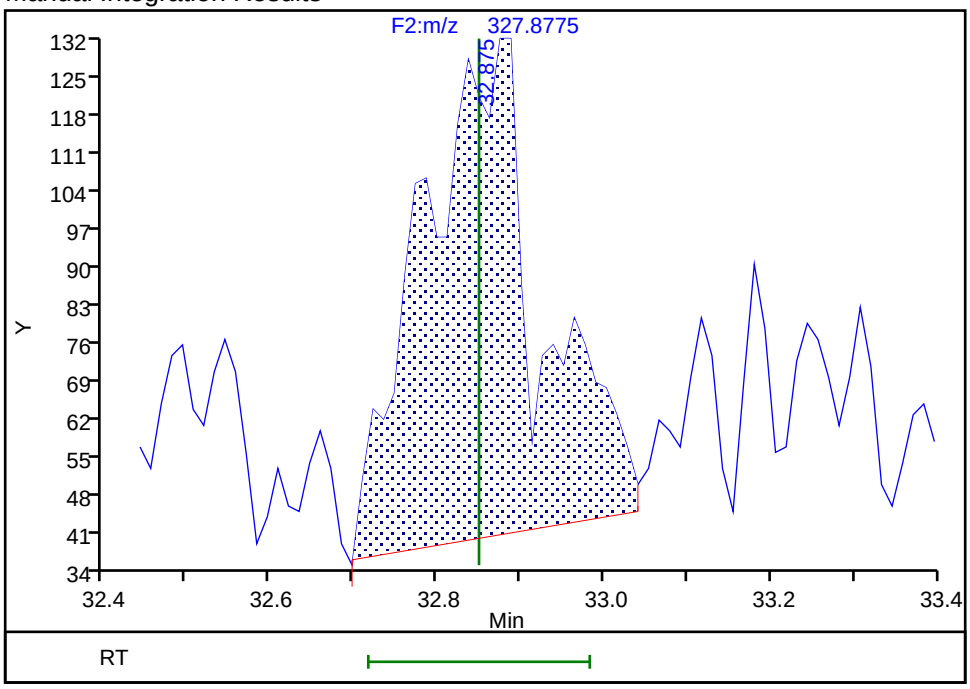
Processing Integration Results

RT: 32.89
Area: 712
Amount: 0.225574
Amount Units: pg/ul




Manual Integration Results

RT: 32.88
Area: 930
Amount: 0.354726
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:17:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

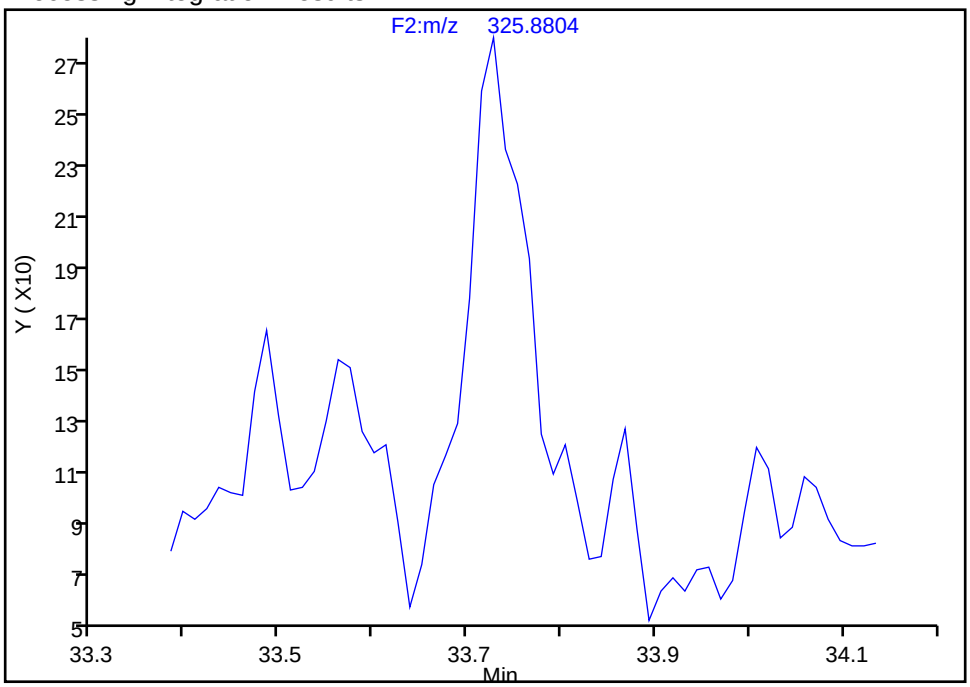
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-110/115, CAS: STL01826

Signal: 1

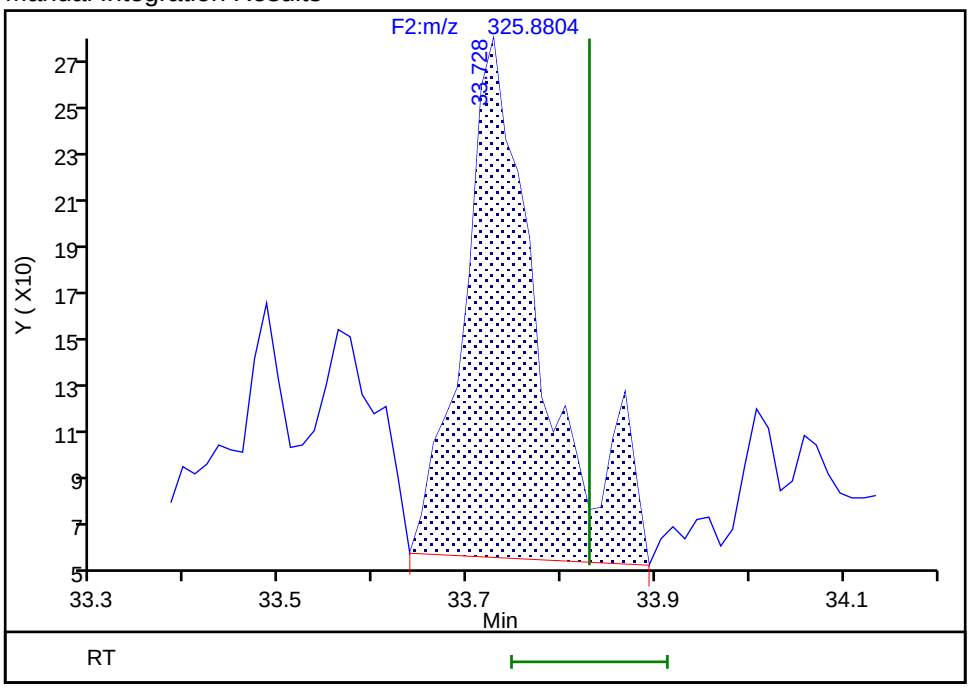
Not Detected
Expected RT: 33.83

Processing Integration Results




Manual Integration Results

RT: 33.73
Area: 1236
Amount: 0.283696
Amount Units: pg/ul

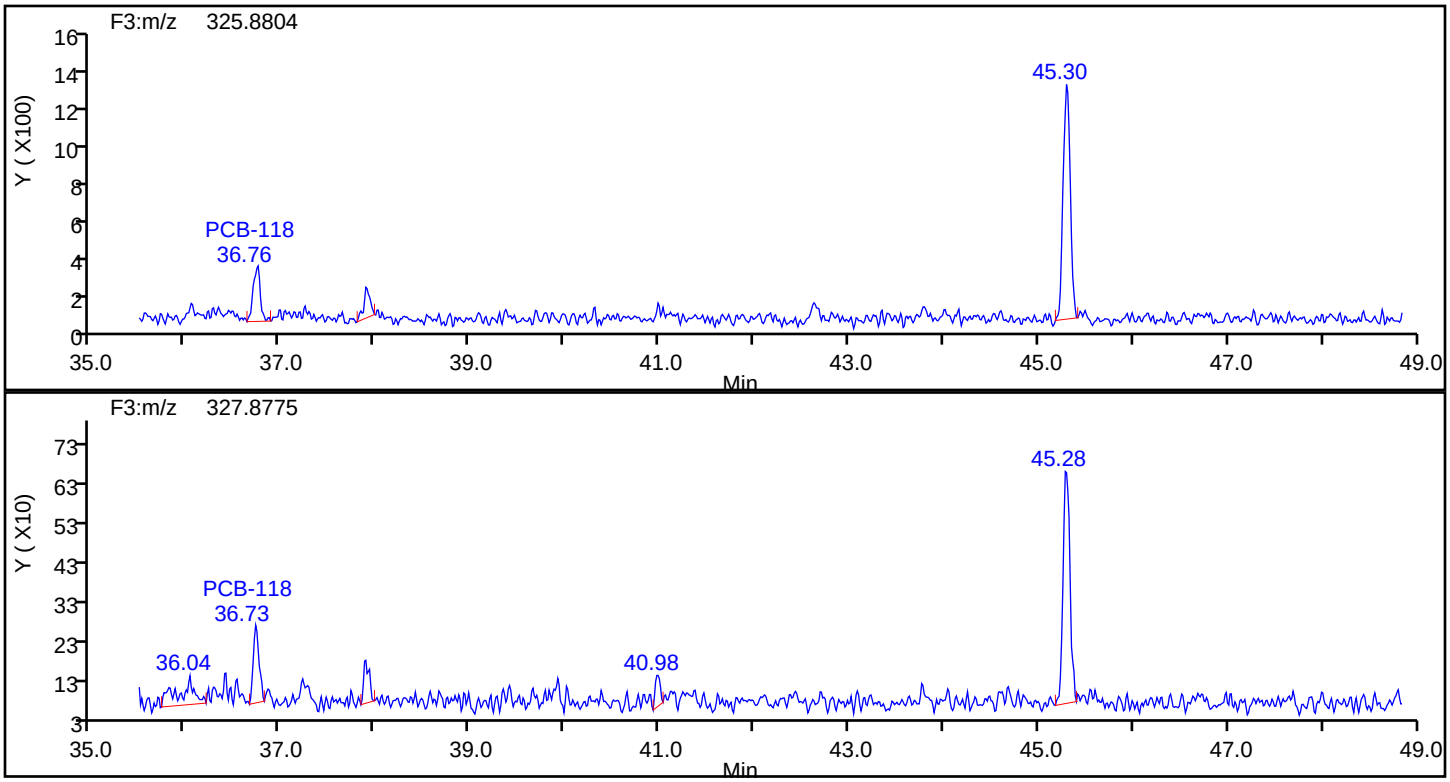



Reviewer: parslyt, 24-Sep-2019 21:17:50
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

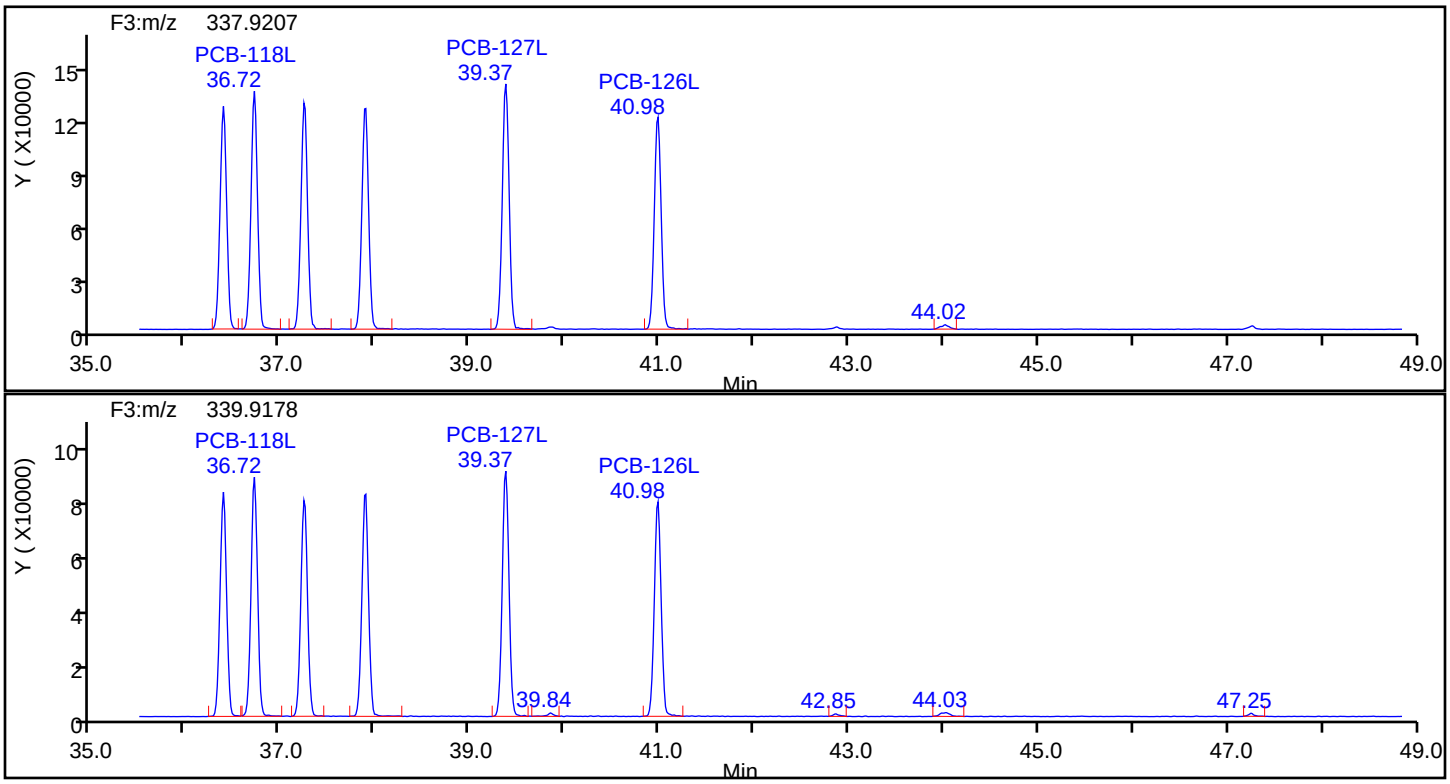
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



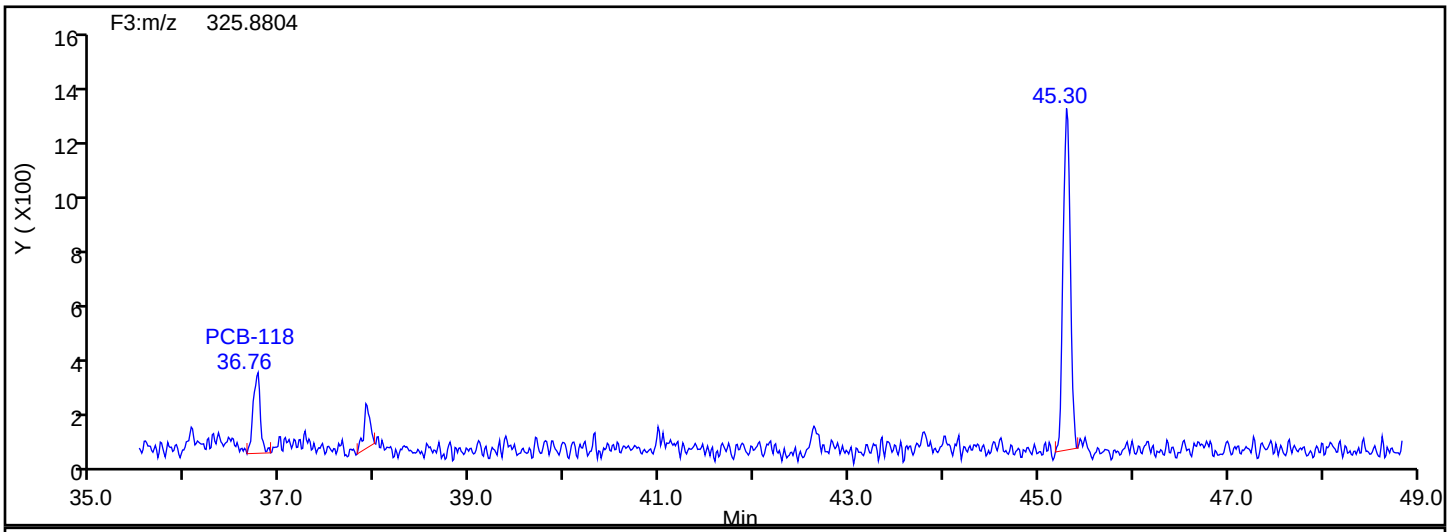

PePCB F3 Standards

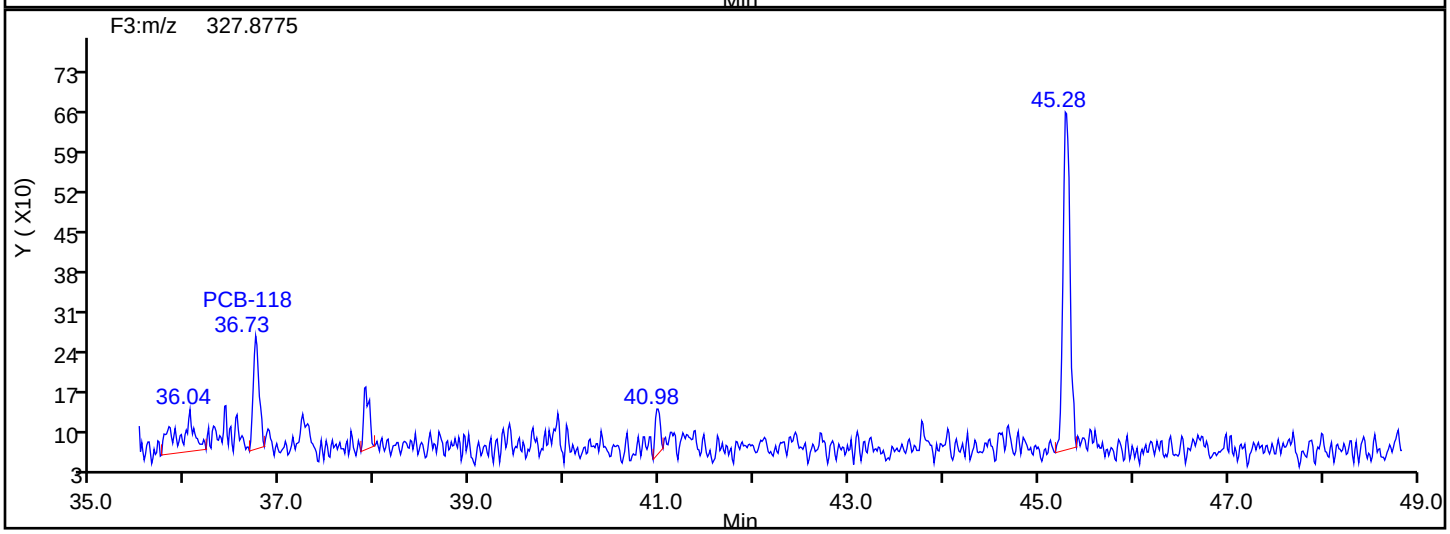


Eurofins TestAmerica, Knoxville

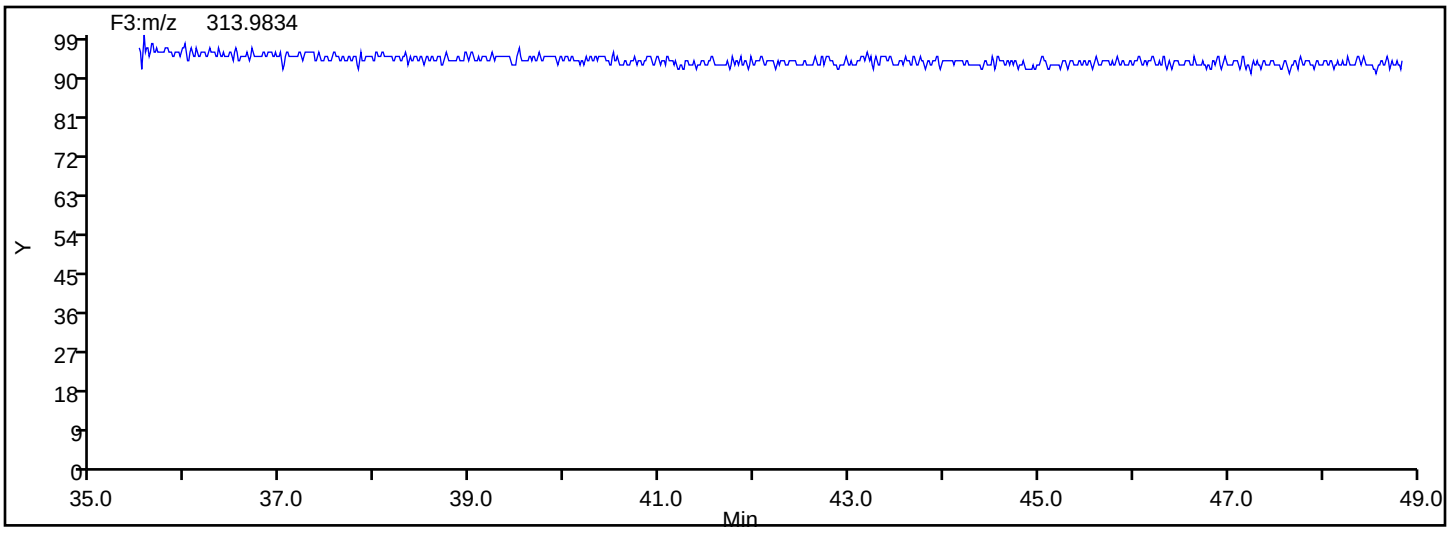
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass

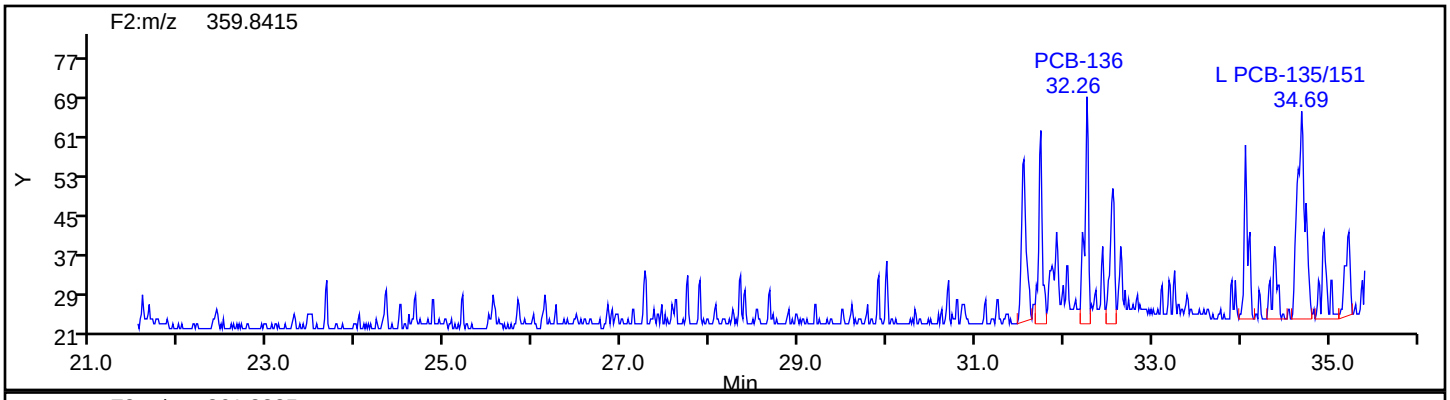


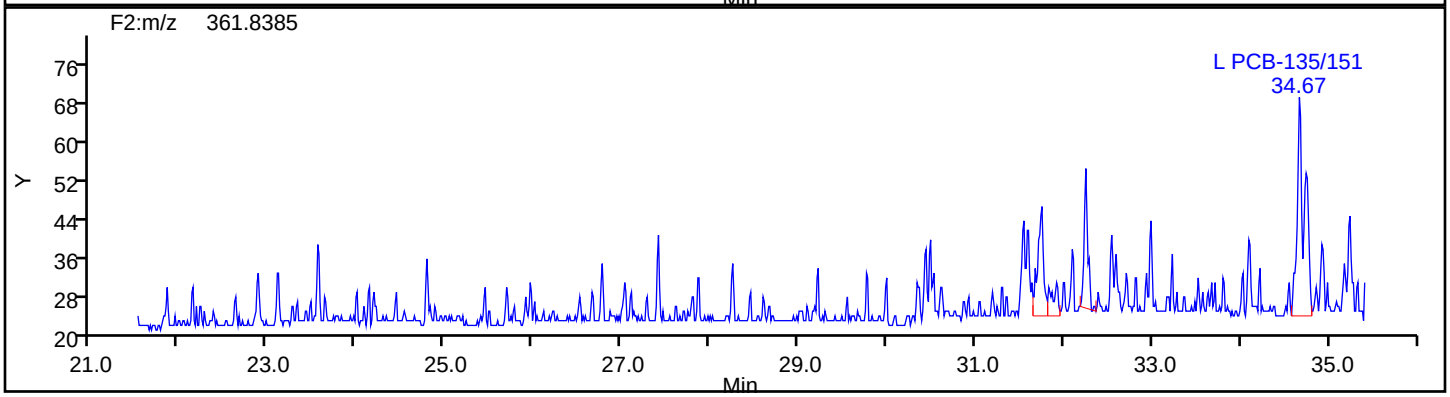
Report Date: 24-Sep-2019 21:22:01 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

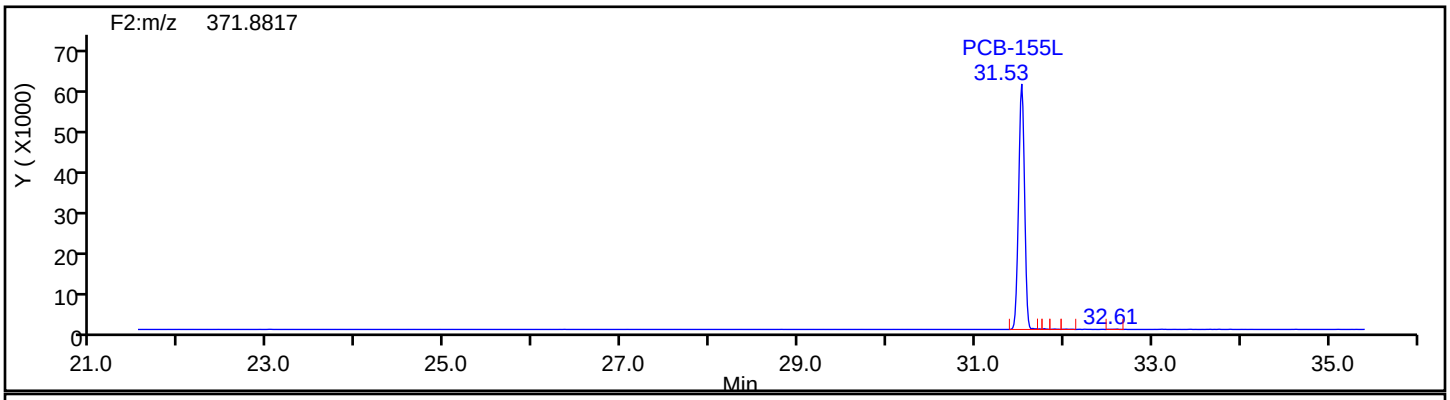
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

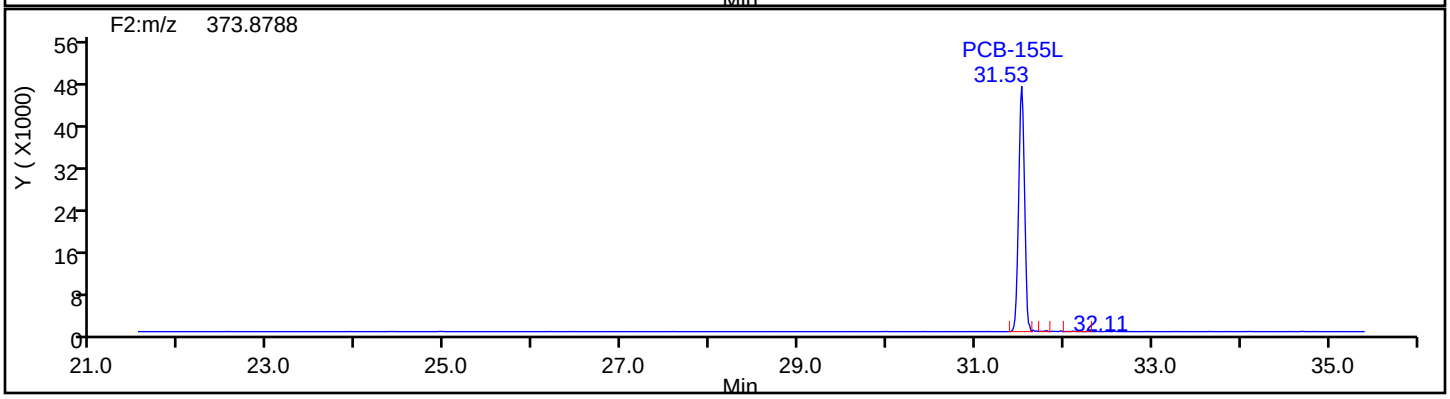
HxPCB F2




HxPCB F2 Standards

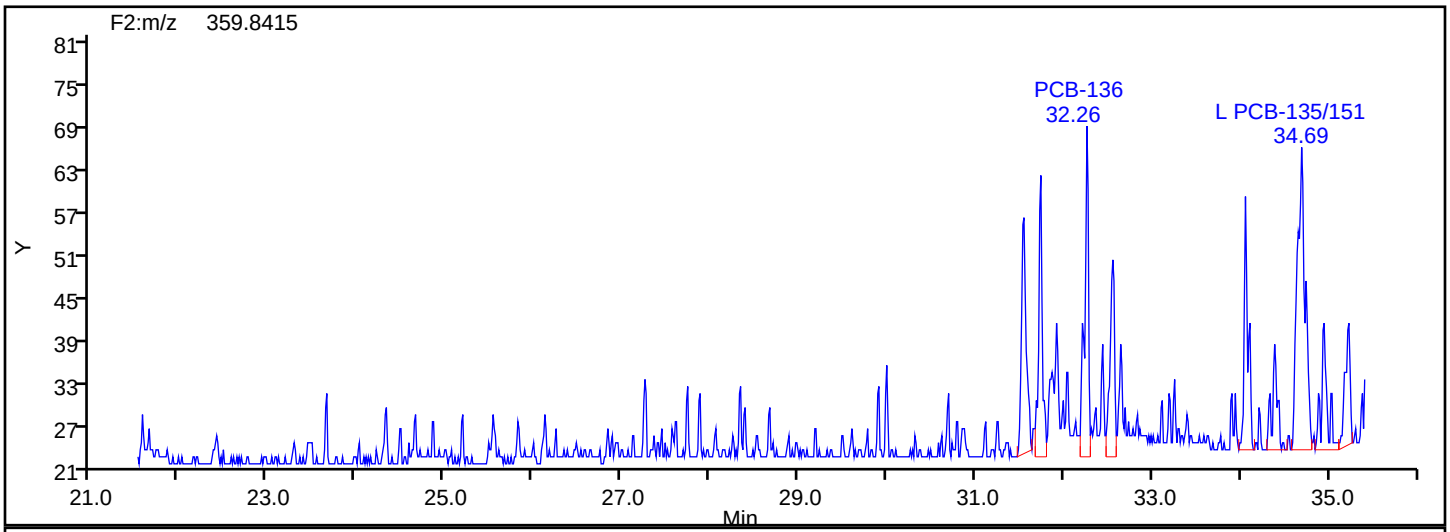


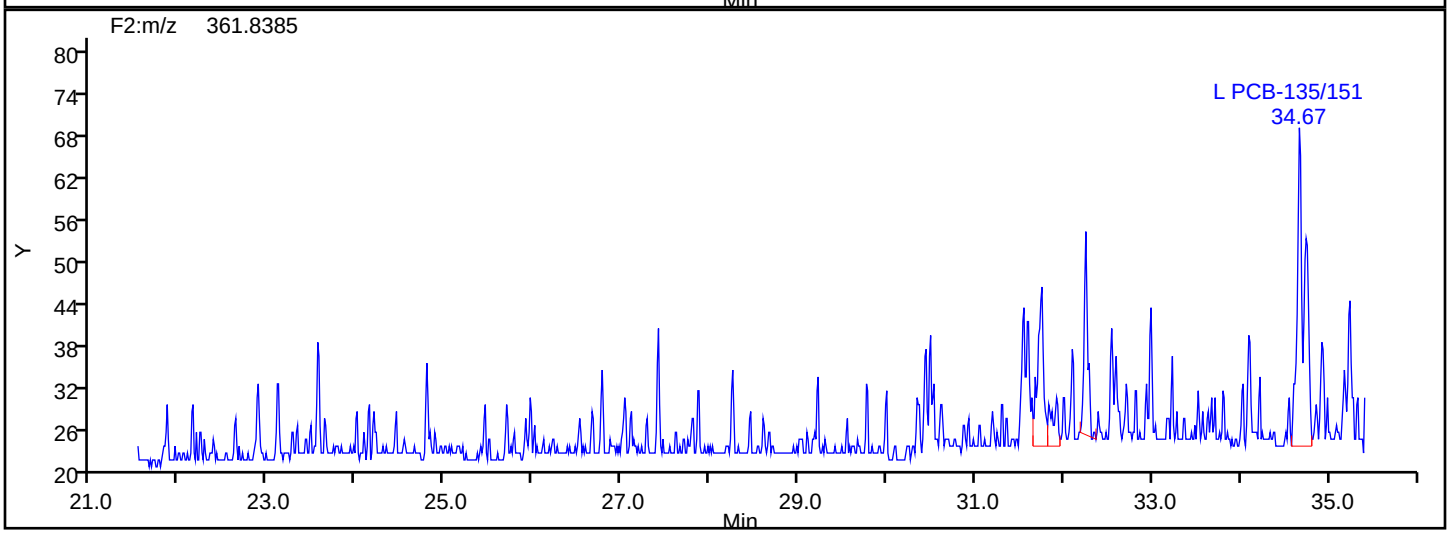



Eurofins TestAmerica, Knoxville

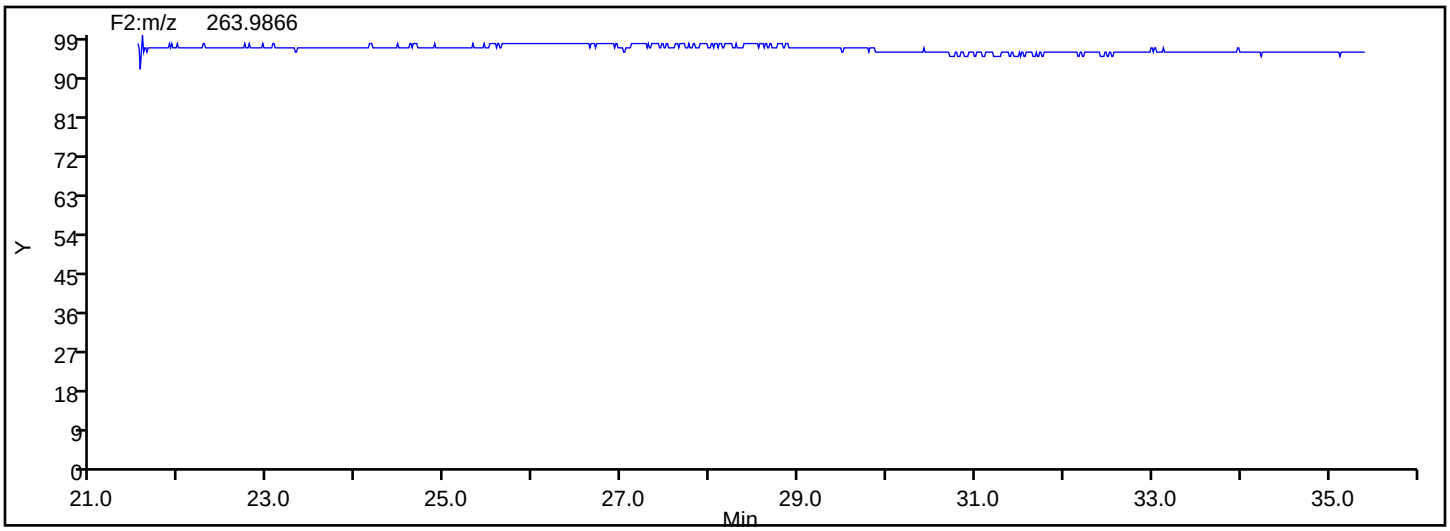
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

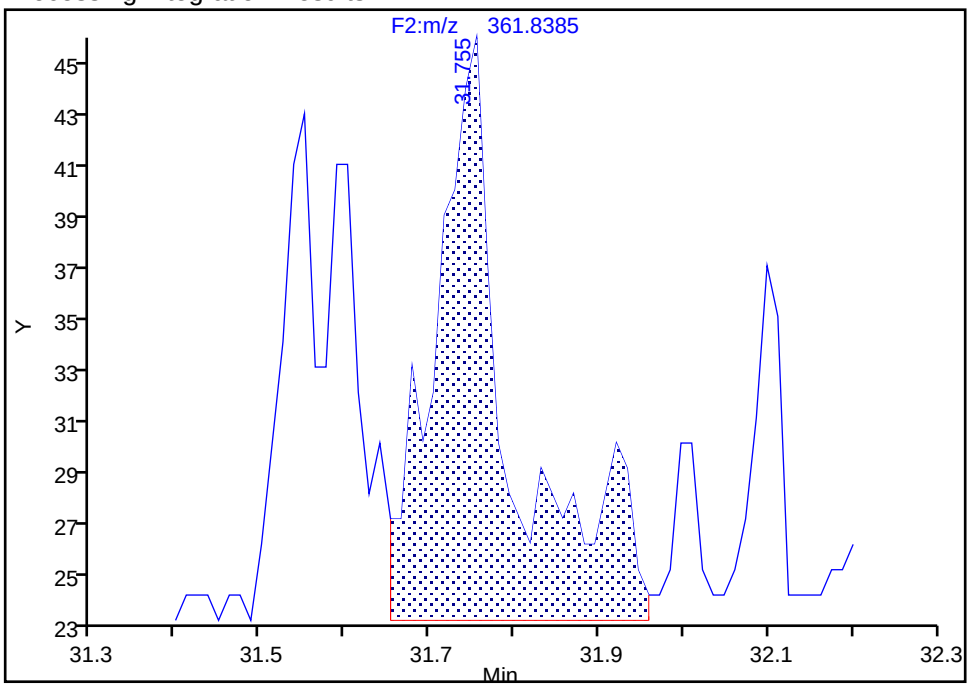
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-152, CAS: 68194-09-2

Signal: 2

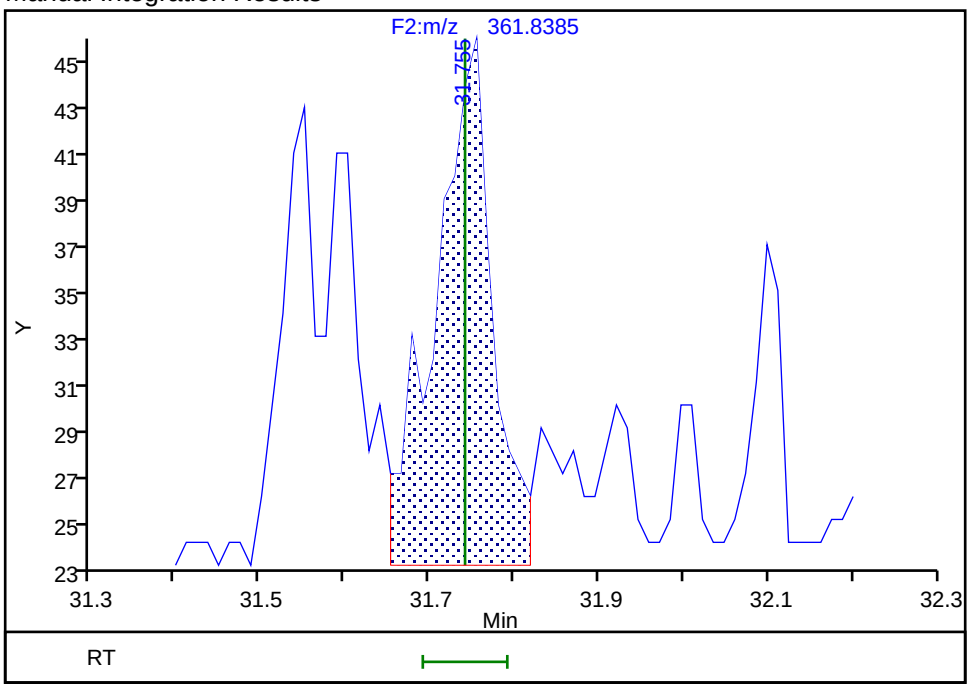
Processing Integration Results

RT: 31.76
Area: 143
Amount: 0.040873
Amount Units: pg/ul




Manual Integration Results

RT: 31.76
Area: 107
Amount: 0.035192
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:18:22

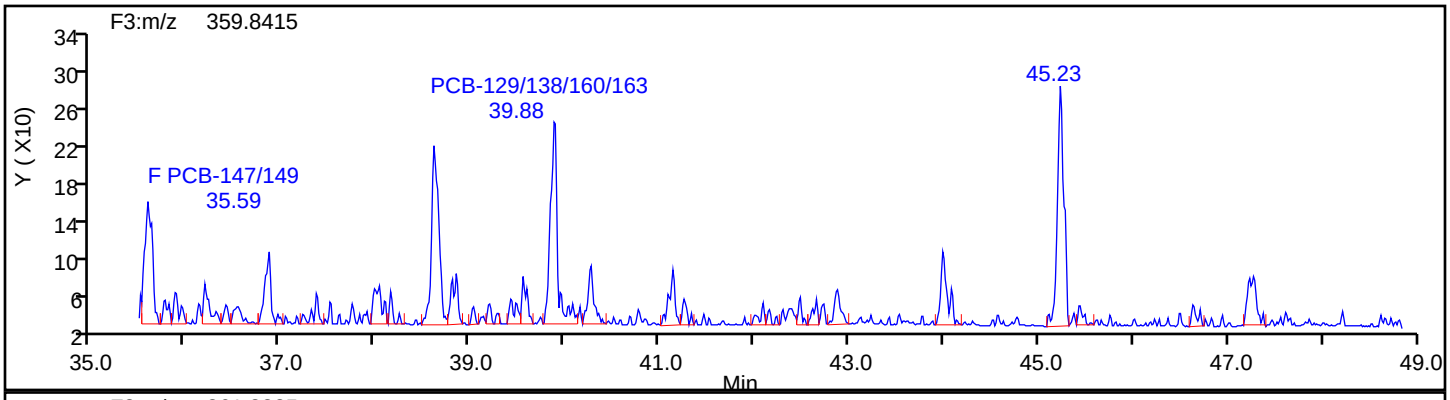
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

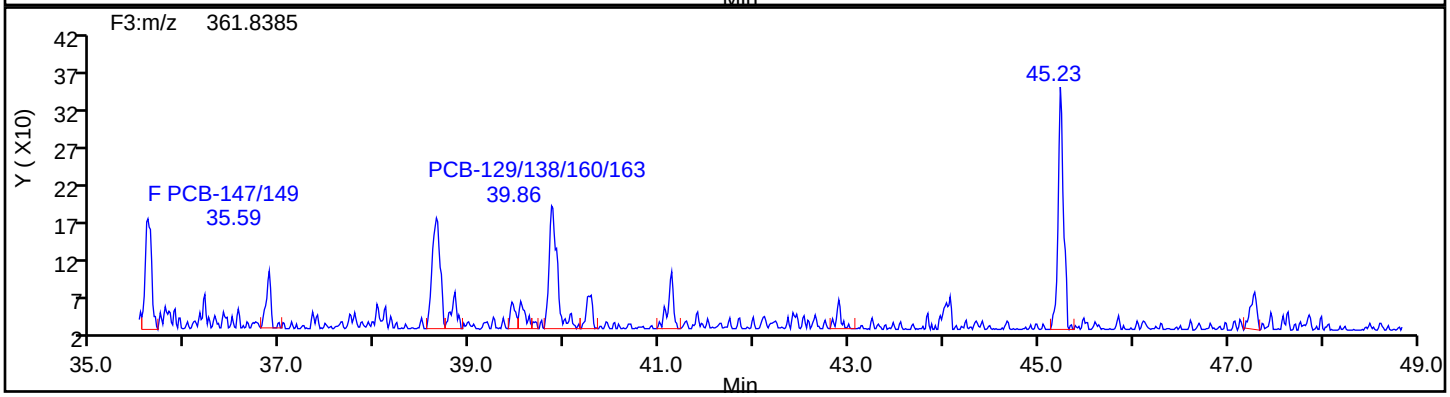
Report Date: 24-Sep-2019 21:22:01 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

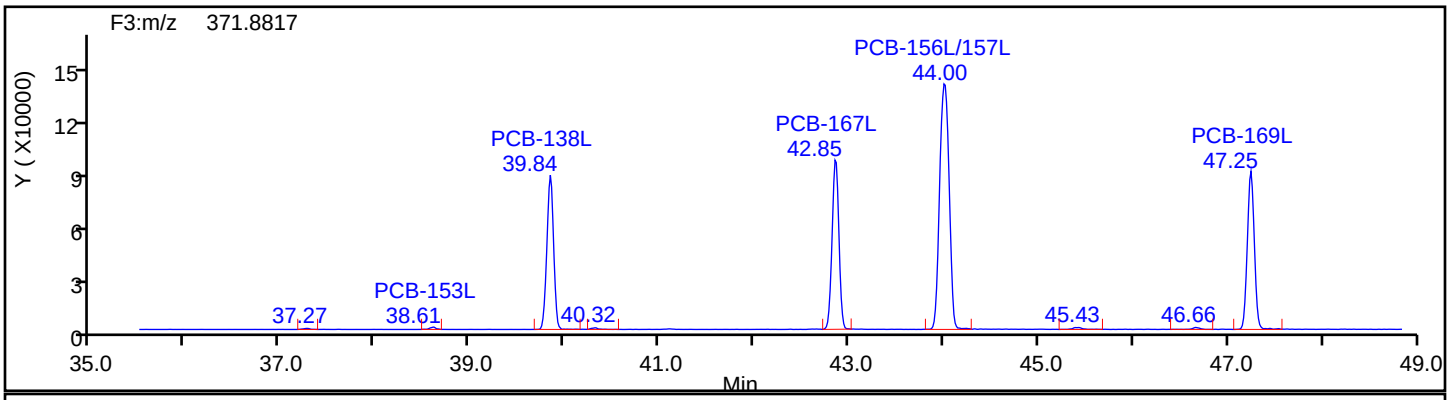
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

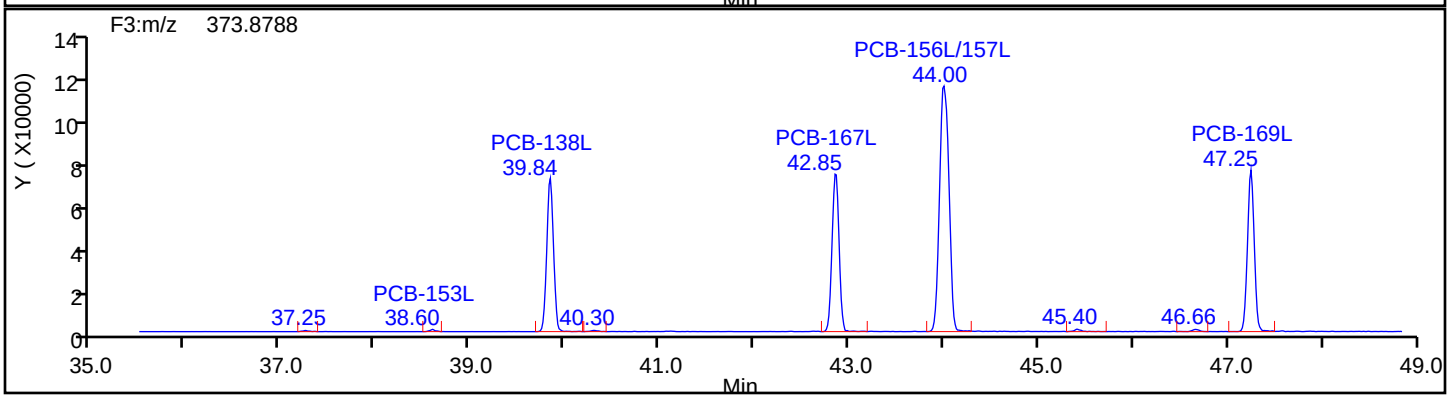
HxPCB F3




HxPCB F3 Standards

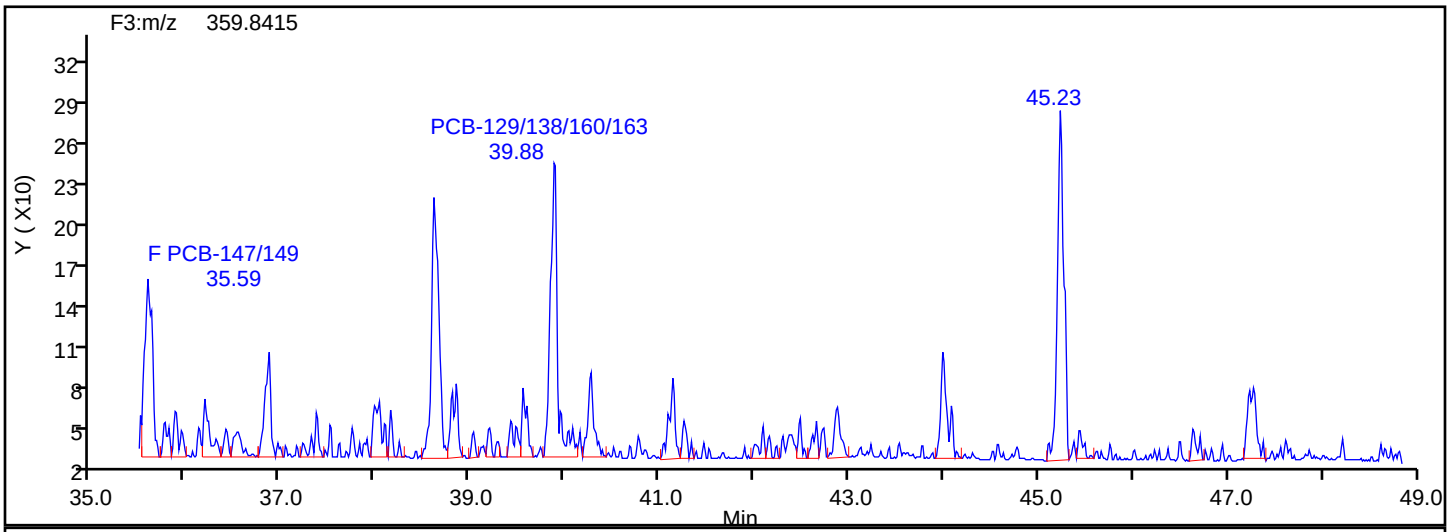


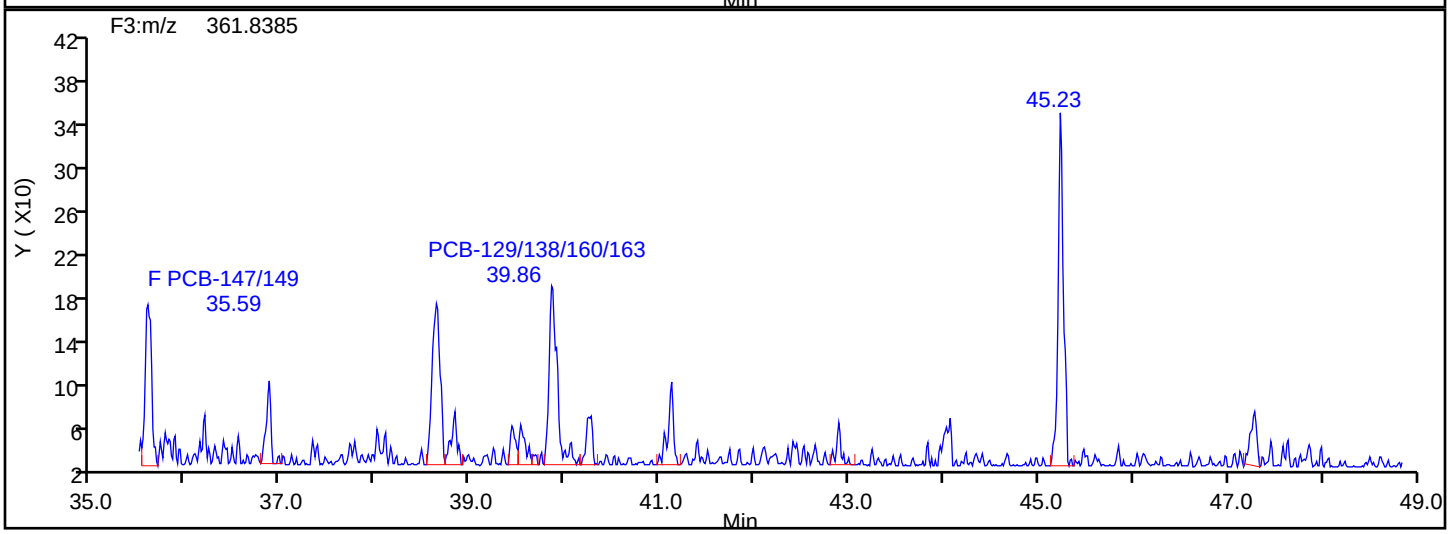



Eurofins TestAmerica, Knoxville

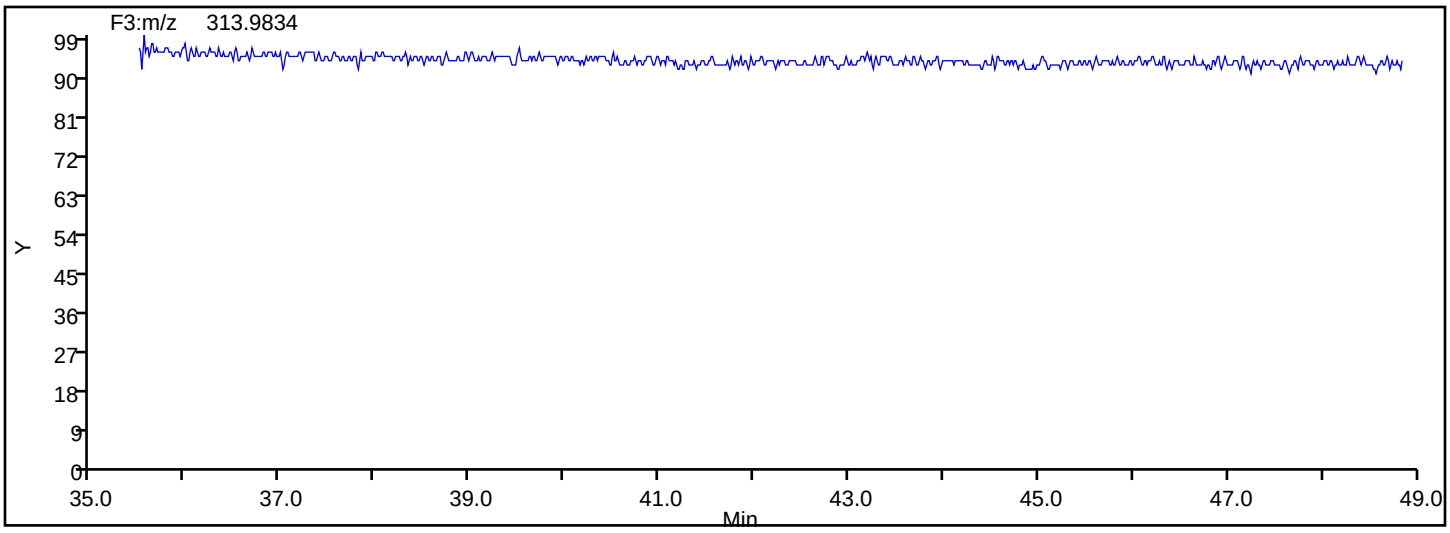
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

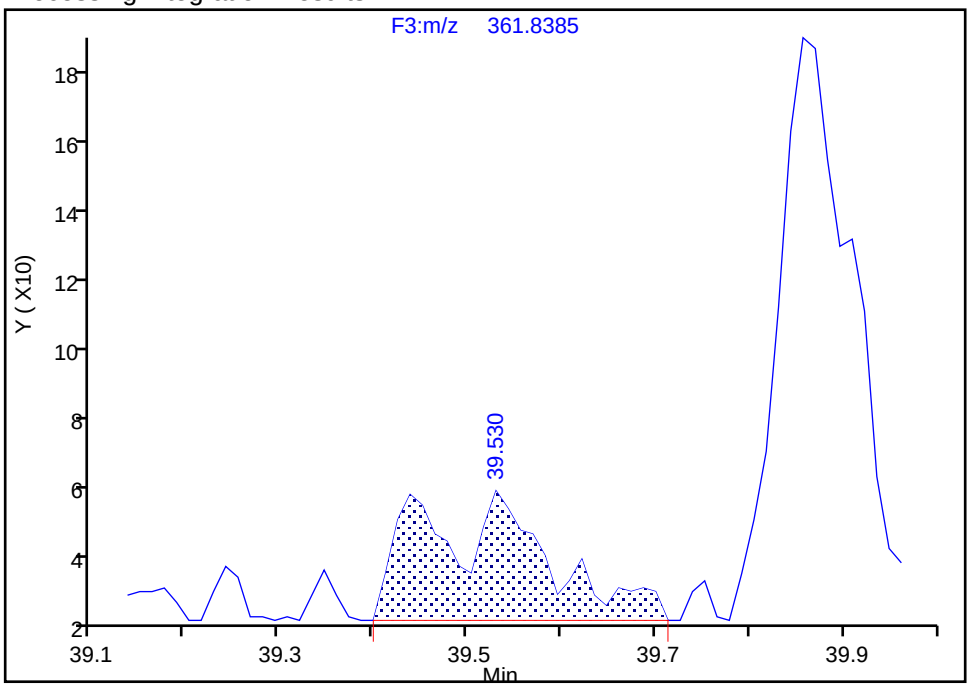
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-137, CAS: 35694-06-5

Signal: 2

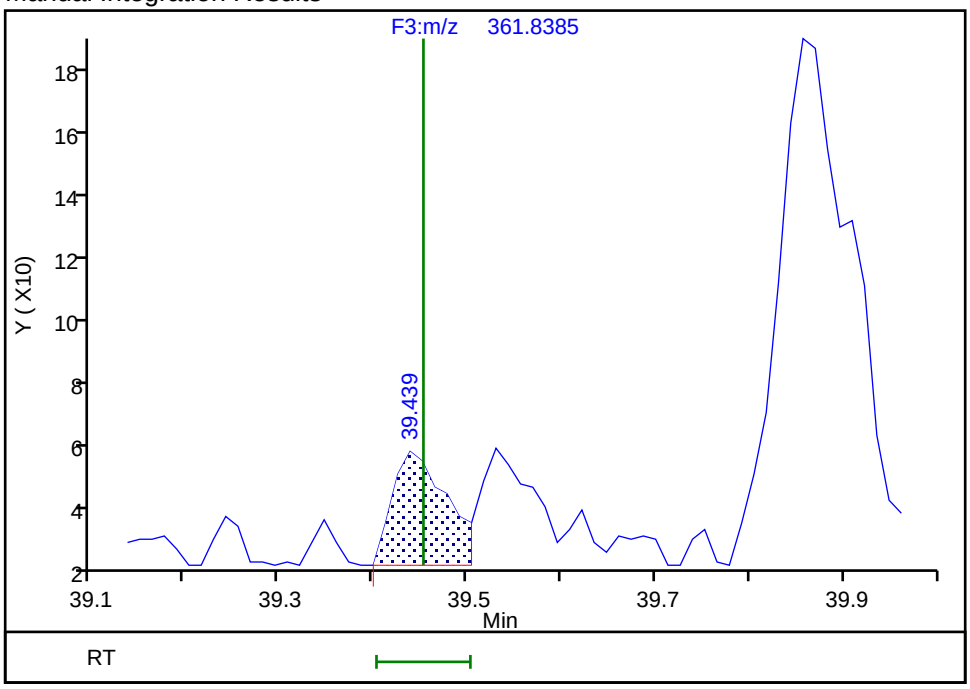
Processing Integration Results

RT: 39.53
Area: 330
Amount: 0.049946
Amount Units: pg/ul




Manual Integration Results

RT: 39.44
Area: 137
Amount: 0.028990
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:18:59
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

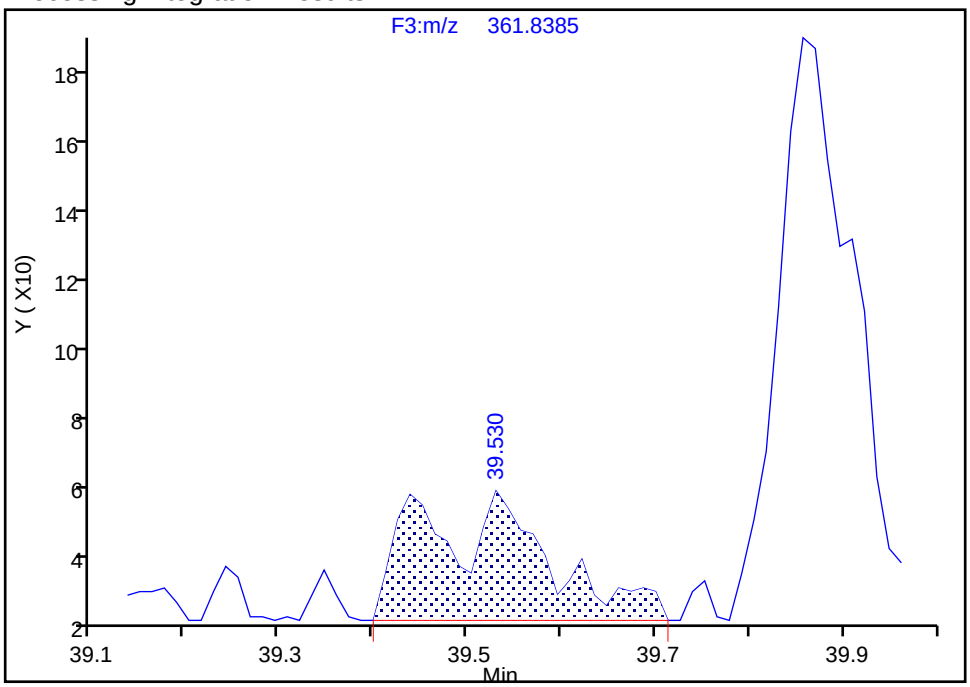
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-164, CAS: 74472-45-0

Signal: 2

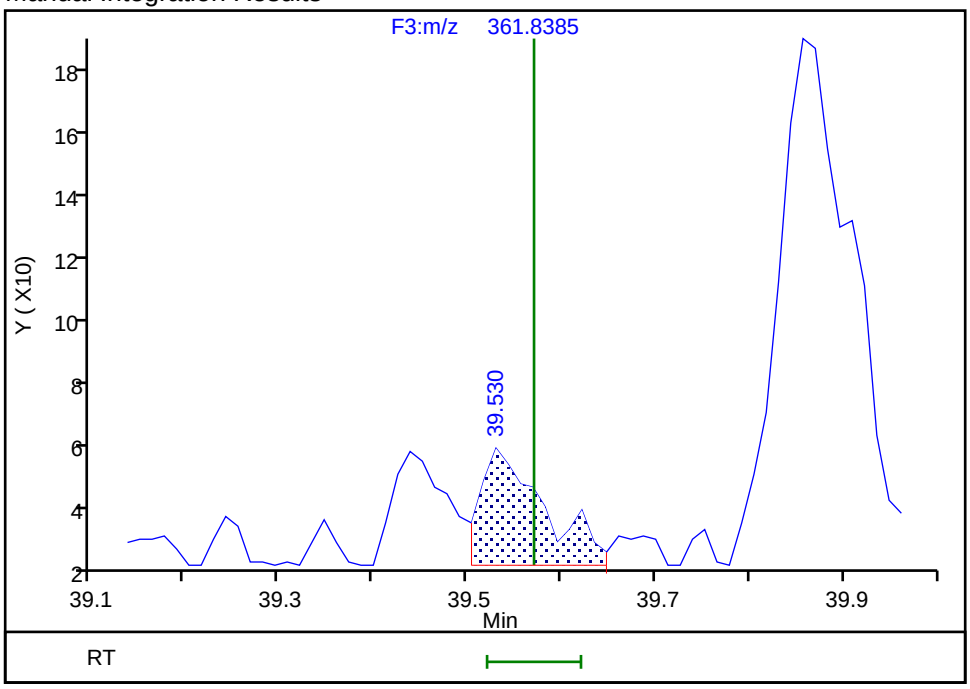
Processing Integration Results

RT: 39.53
Area: 330
Amount: 0.046871
Amount Units: pg/ul




Manual Integration Results

RT: 39.53
Area: 164
Amount: 0.031645
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:19:09

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

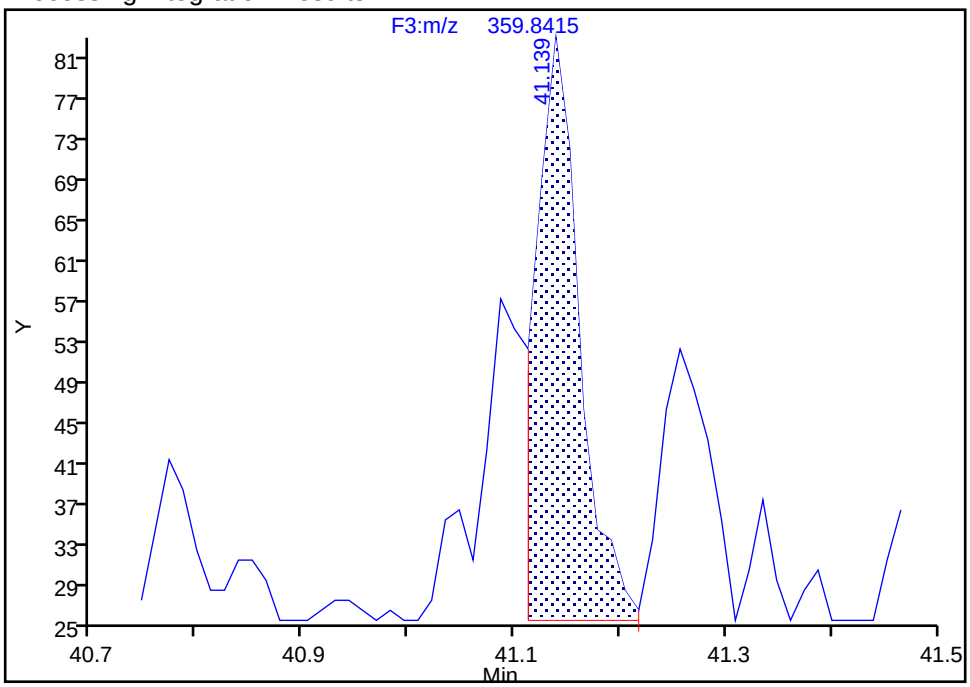
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-128/166, CAS: STL01816

Signal: 1

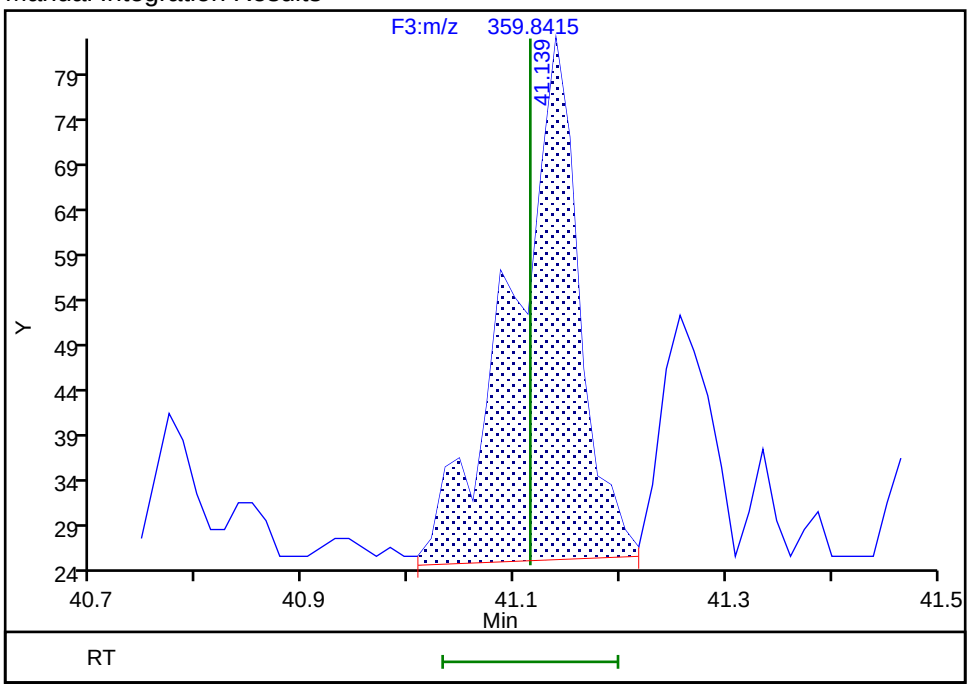
Processing Integration Results

RT: 41.14
Area: 159
Amount: 0.048061
Amount Units: pg/ul




Manual Integration Results

RT: 41.14
Area: 260
Amount: 0.058456
Amount Units: pg/ul



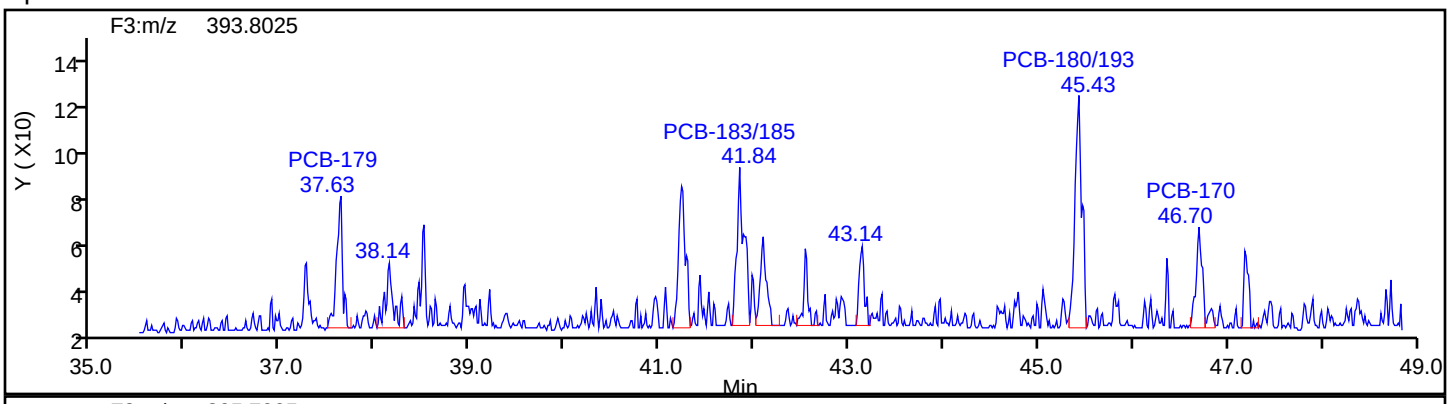

Reviewer: parslyt, 24-Sep-2019 21:19:31

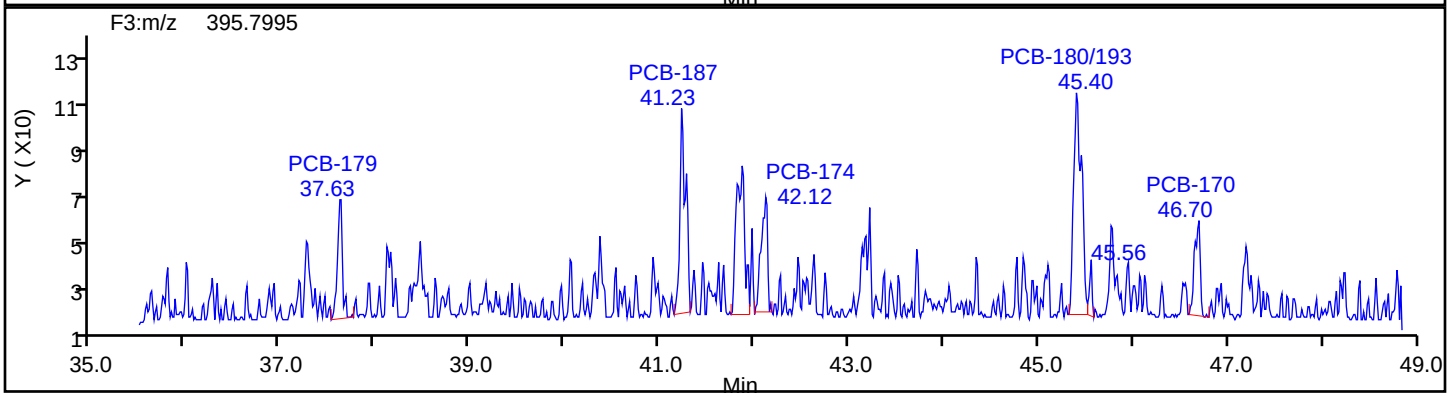
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

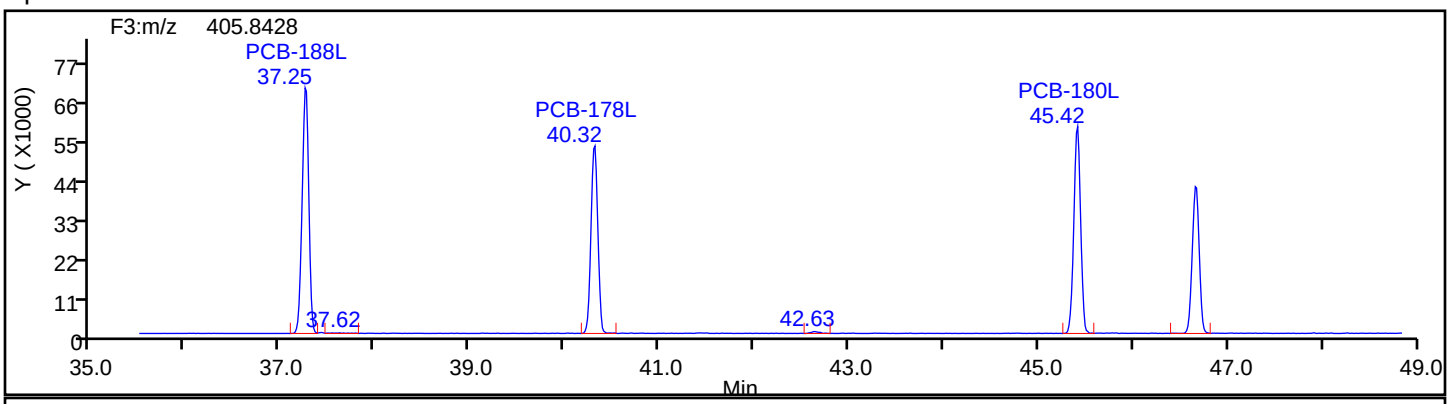
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

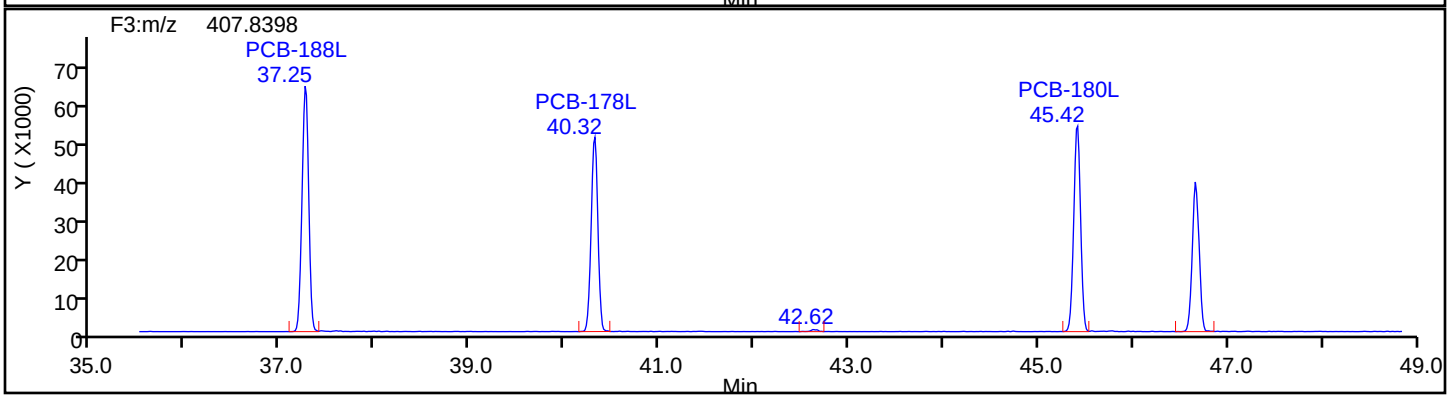
HpPCB F3




HpPCB F3 Standards

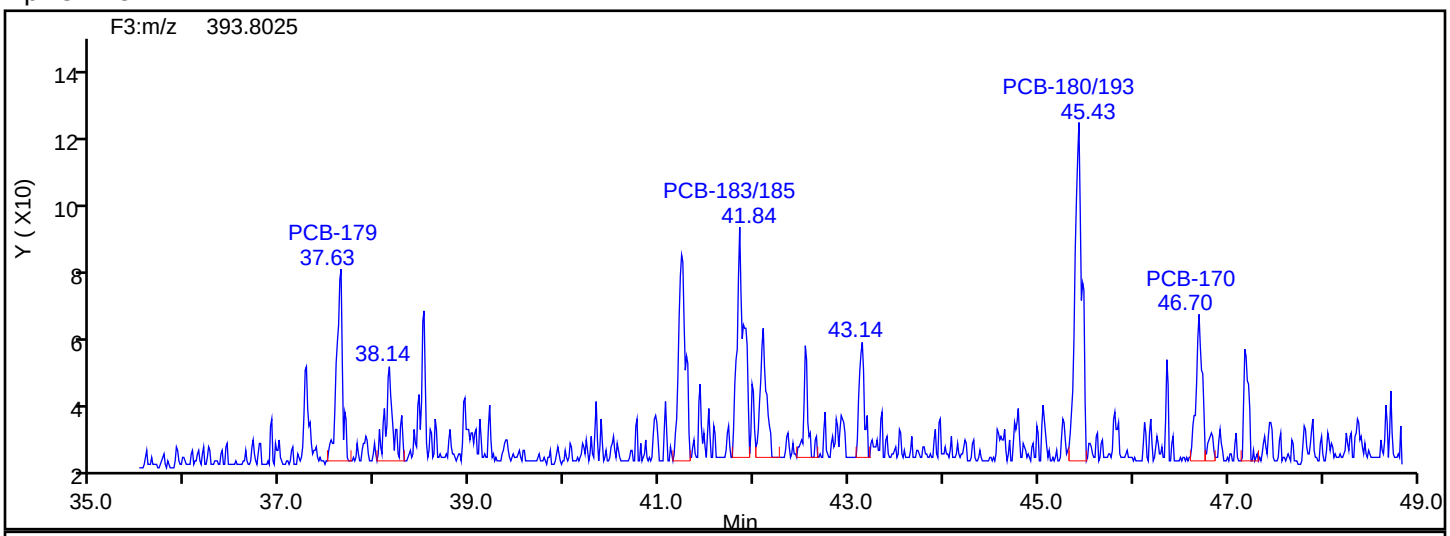


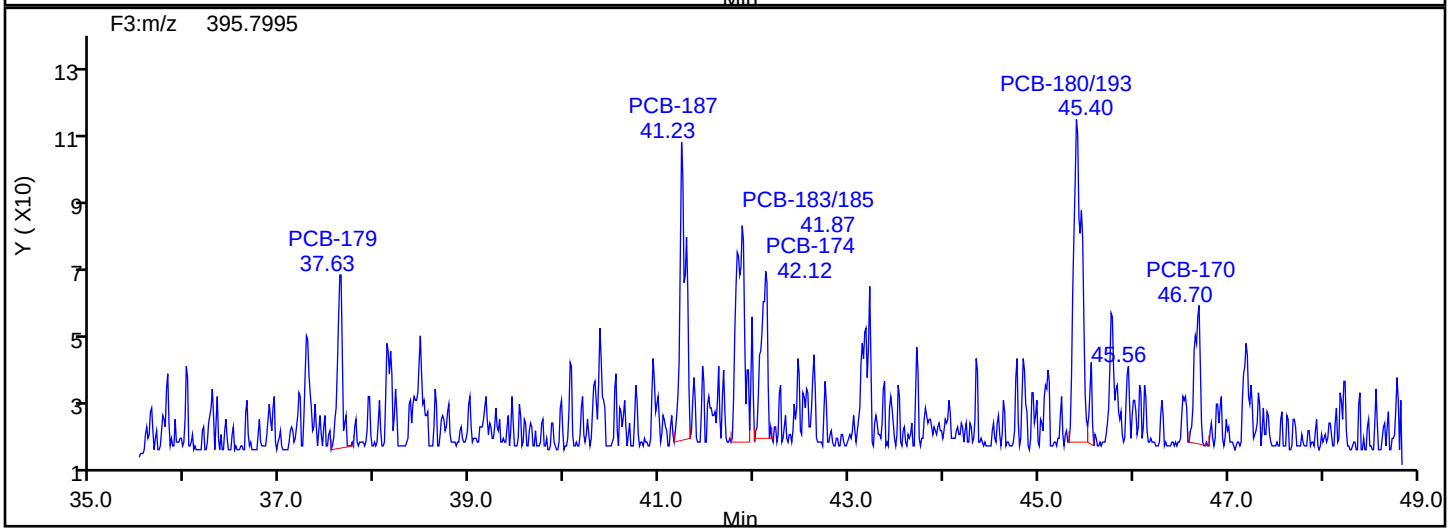



Eurofins TestAmerica, Knoxville

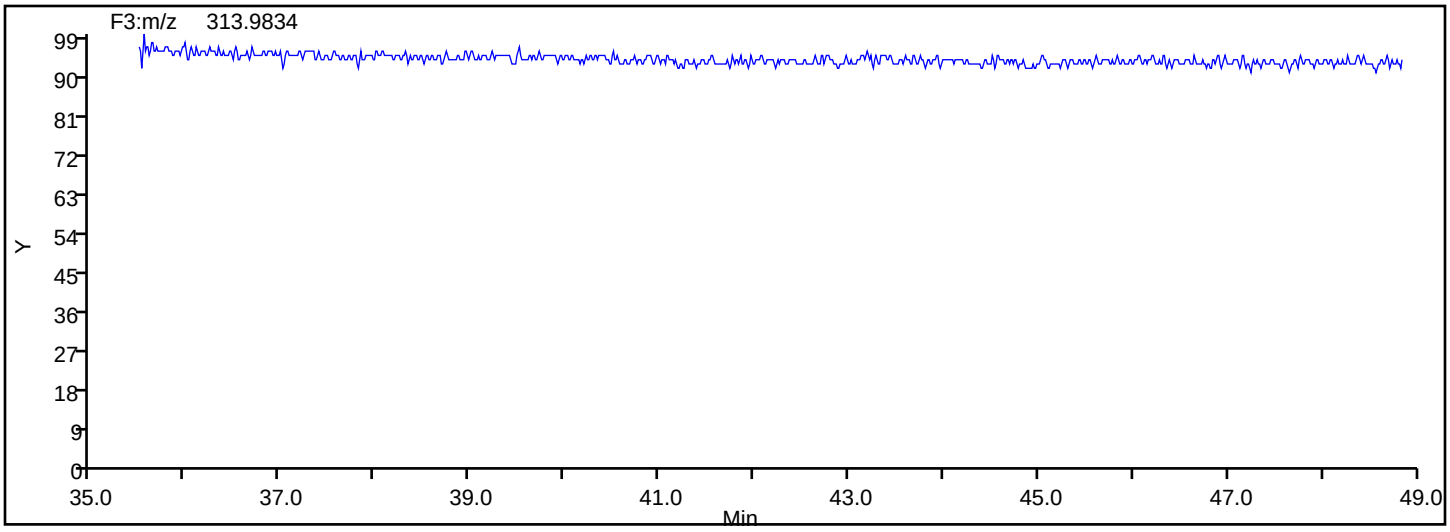
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

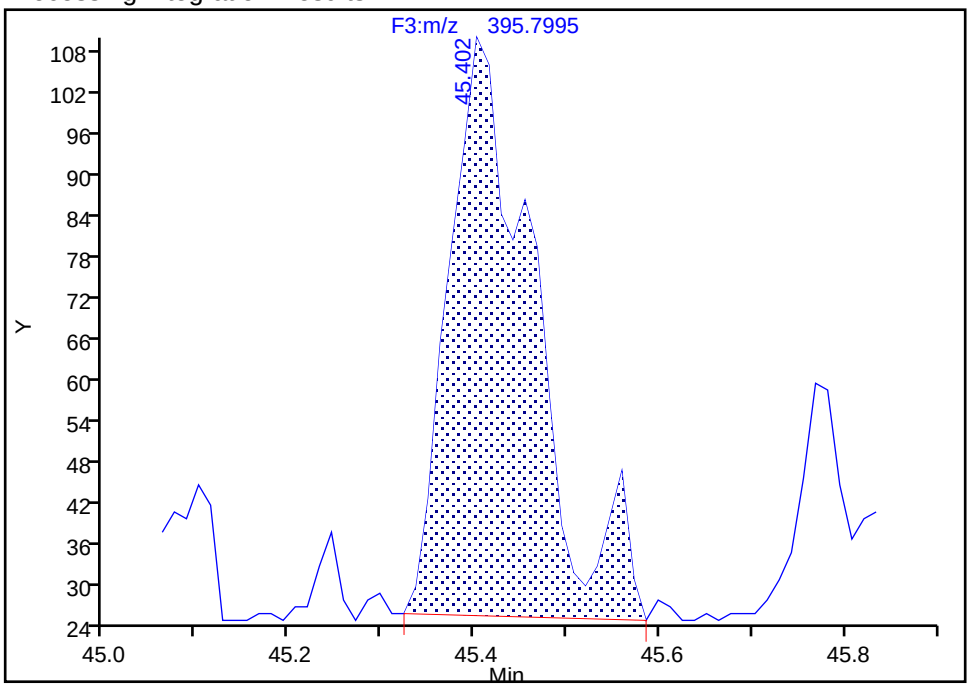
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 2

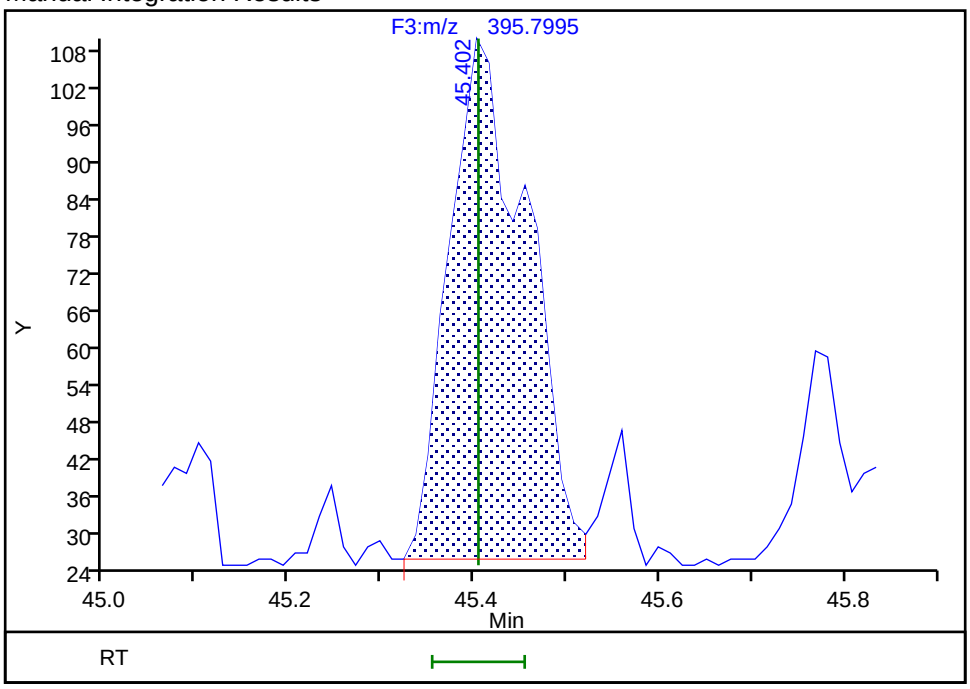
Processing Integration Results

RT: 45.40
Area: 542
Amount: 0.157937
Amount Units: pg/ul




Manual Integration Results

RT: 45.40
Area: 496
Amount: 0.150945
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:20:14

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

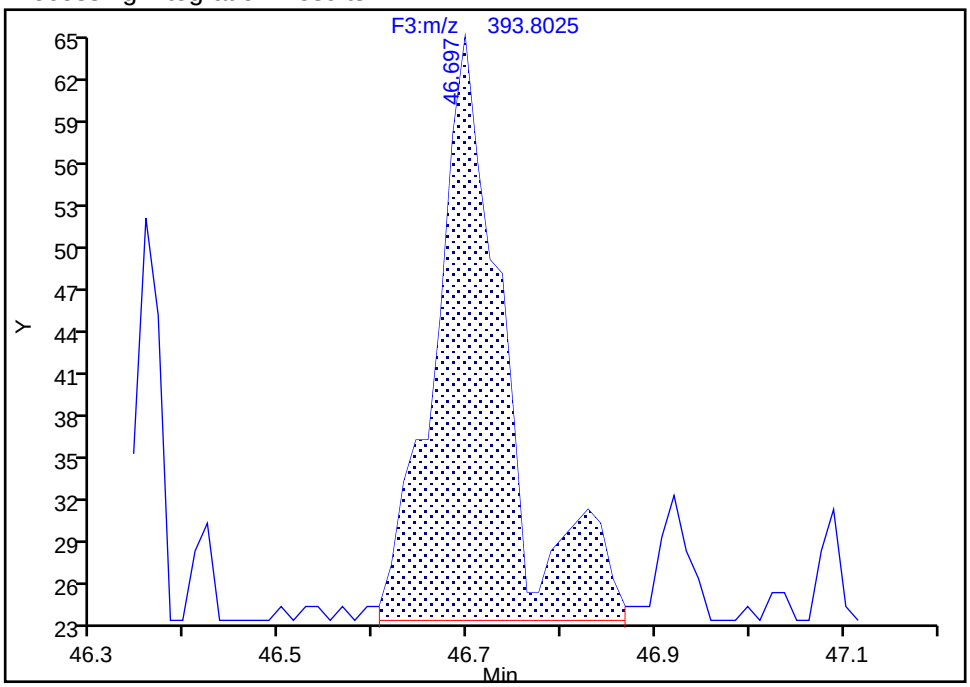
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d
Injection Date: 24-Sep-2019 15:55:00 Instrument ID: D3D
Lims ID: MB 140-33603/10-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-170, CAS: 35065-30-6

Signal: 1

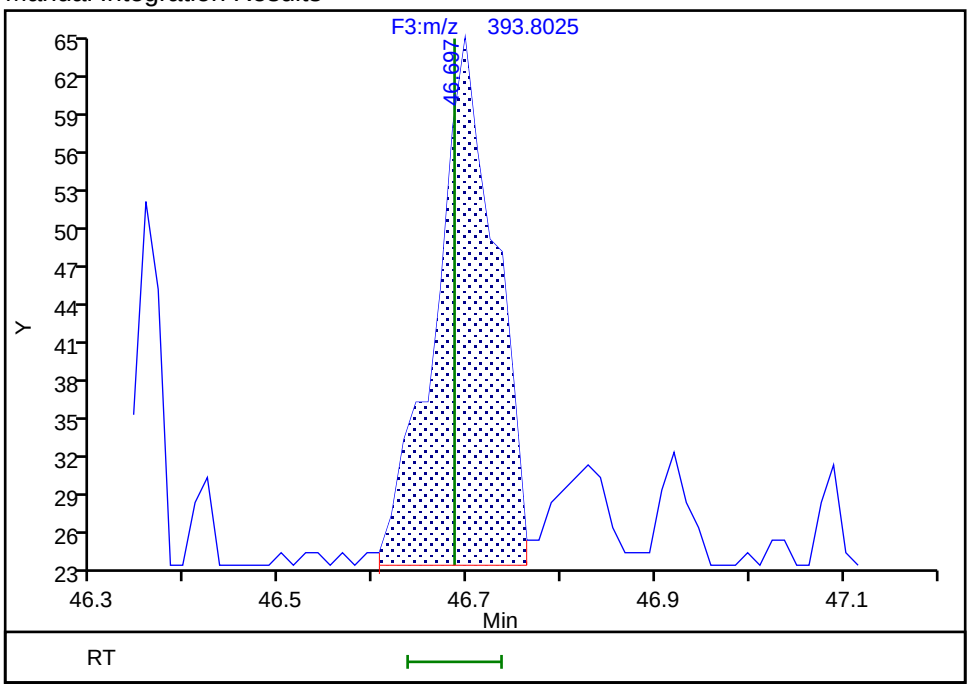
Processing Integration Results

RT: 46.70
Area: 218
Amount: 0.070213
Amount Units: pg/ul




Manual Integration Results

RT: 46.70
Area: 187
Amount: 0.064314
Amount Units: pg/ul

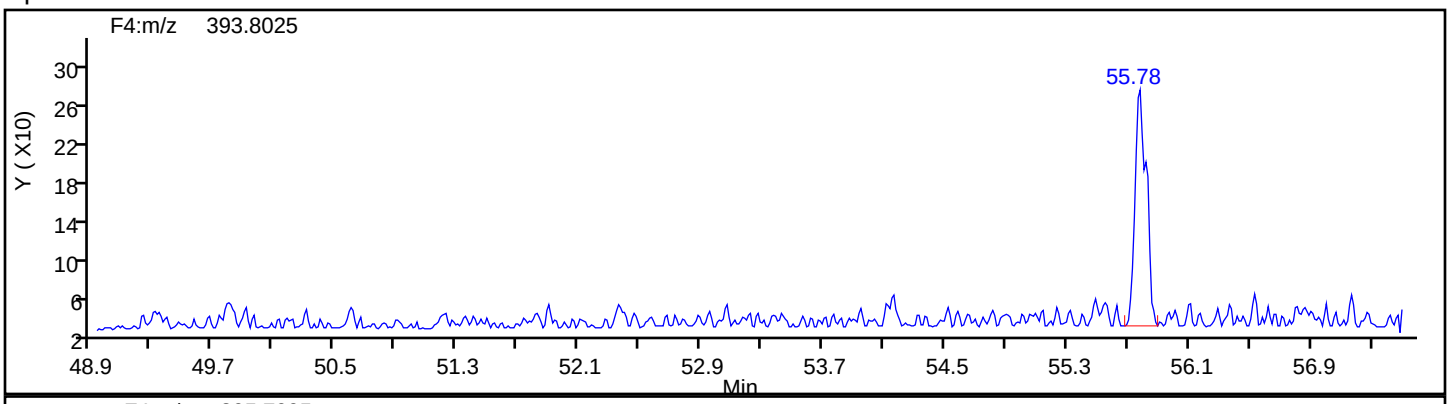


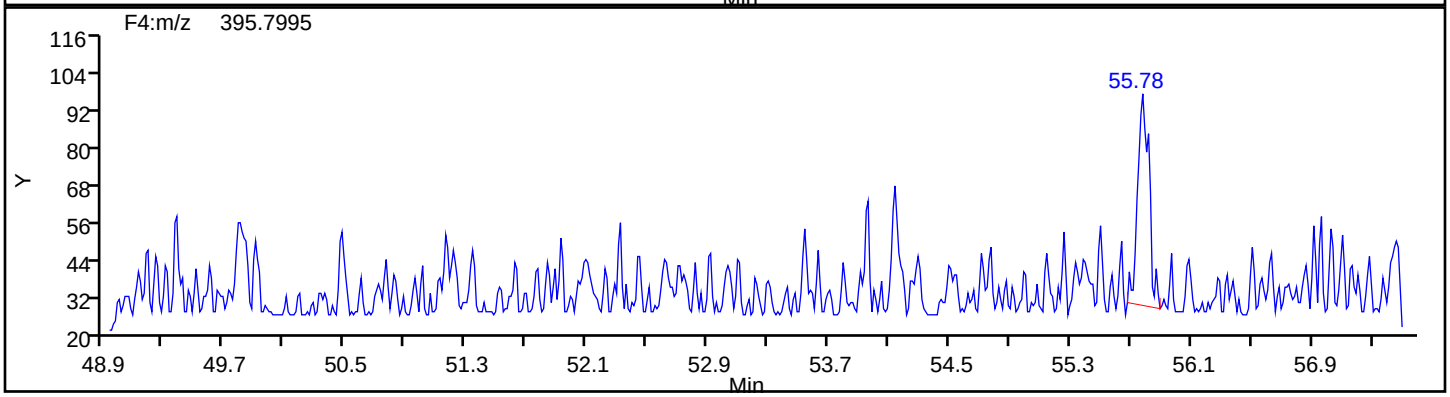

Reviewer: parslyt, 24-Sep-2019 21:20:25
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

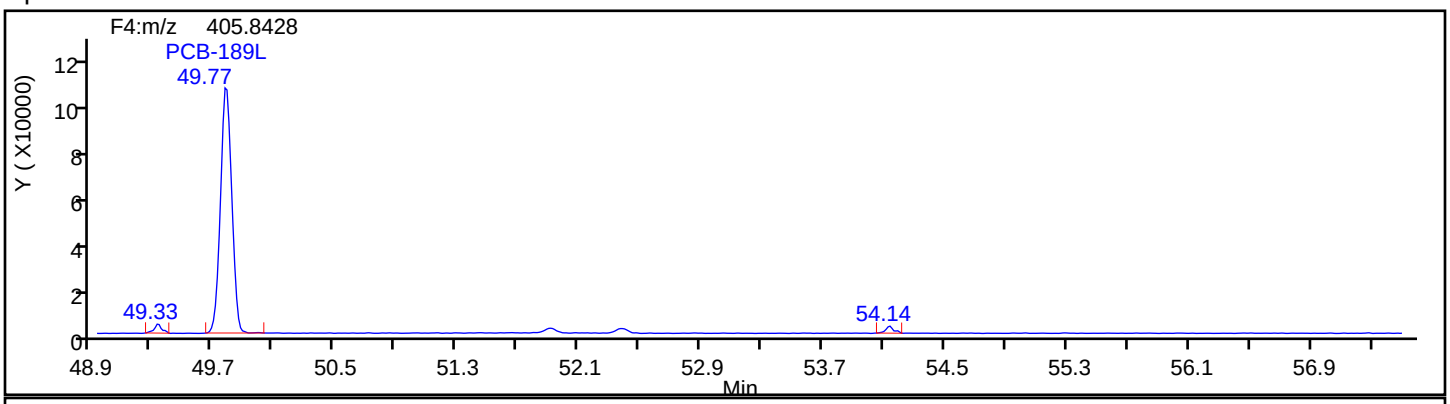
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

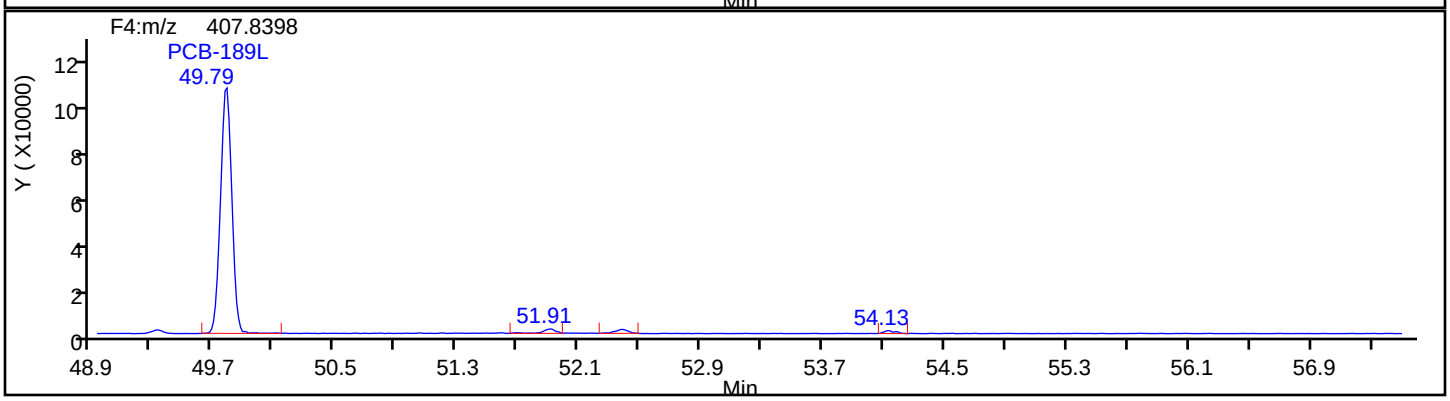
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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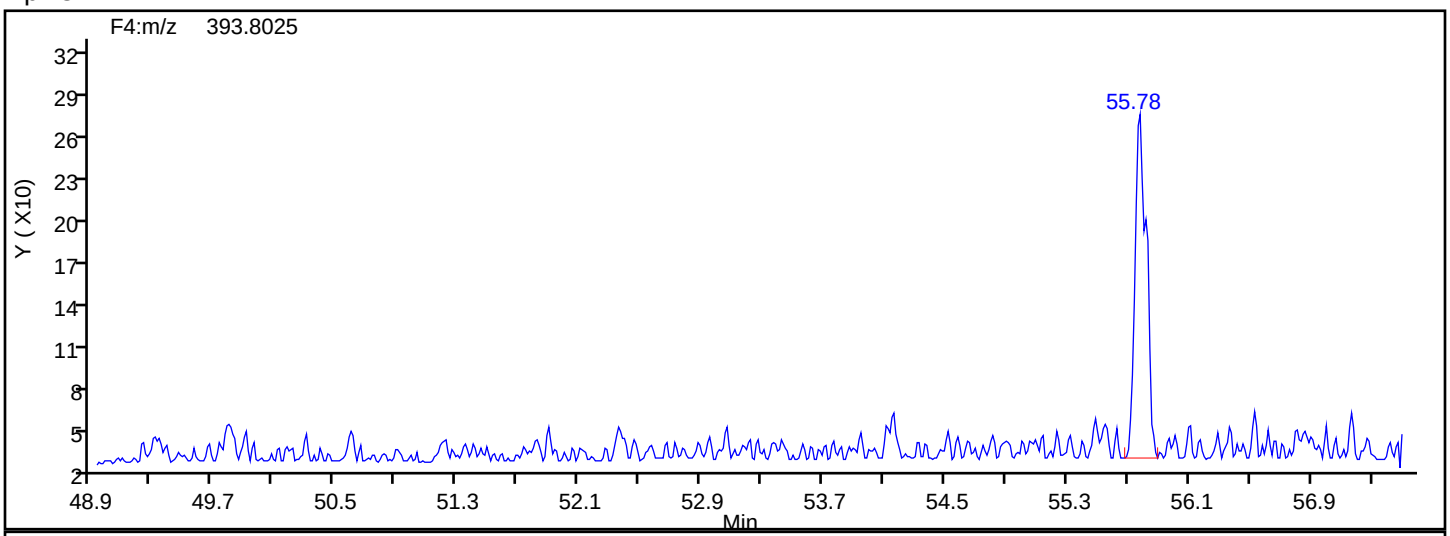
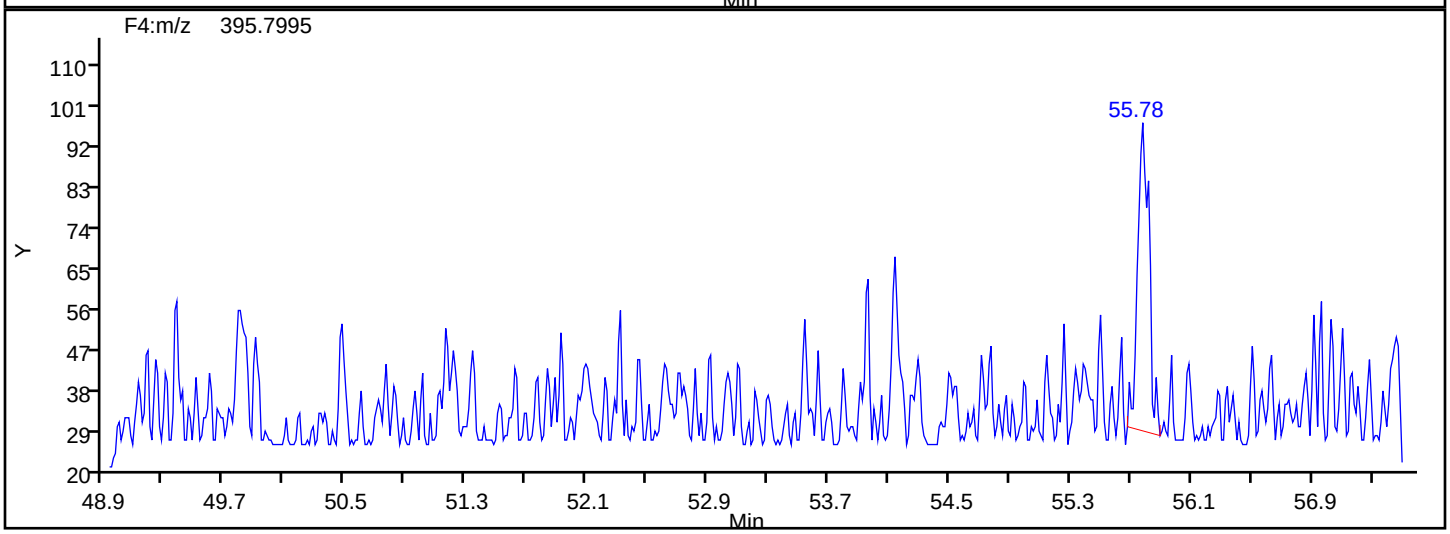
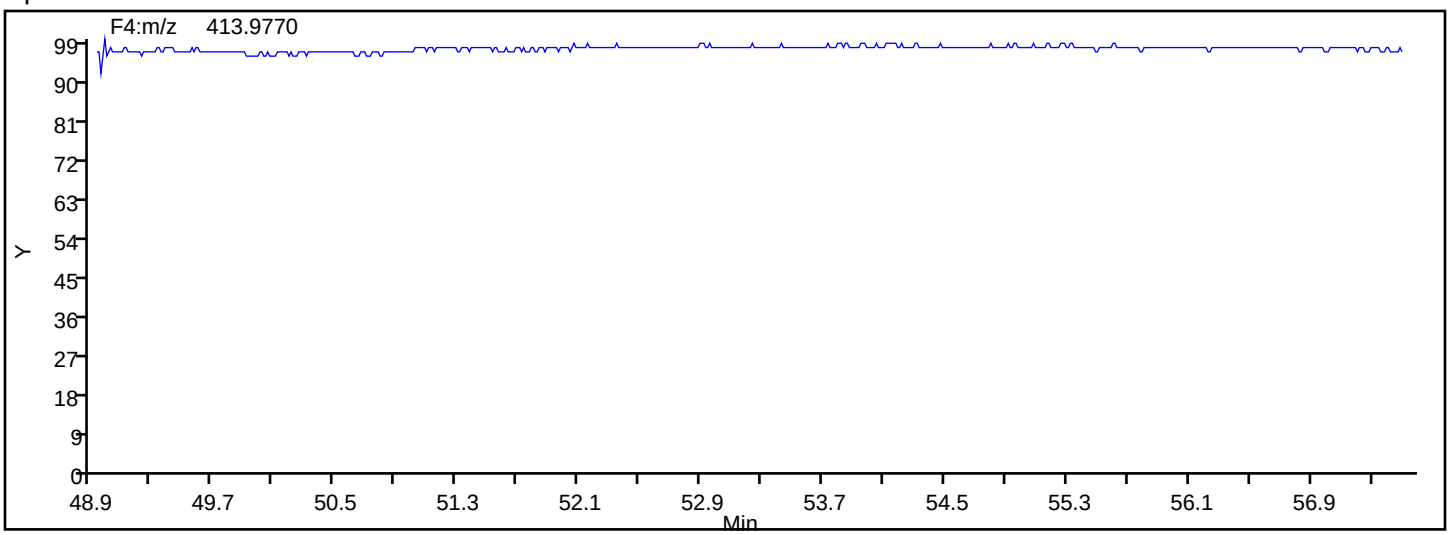
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



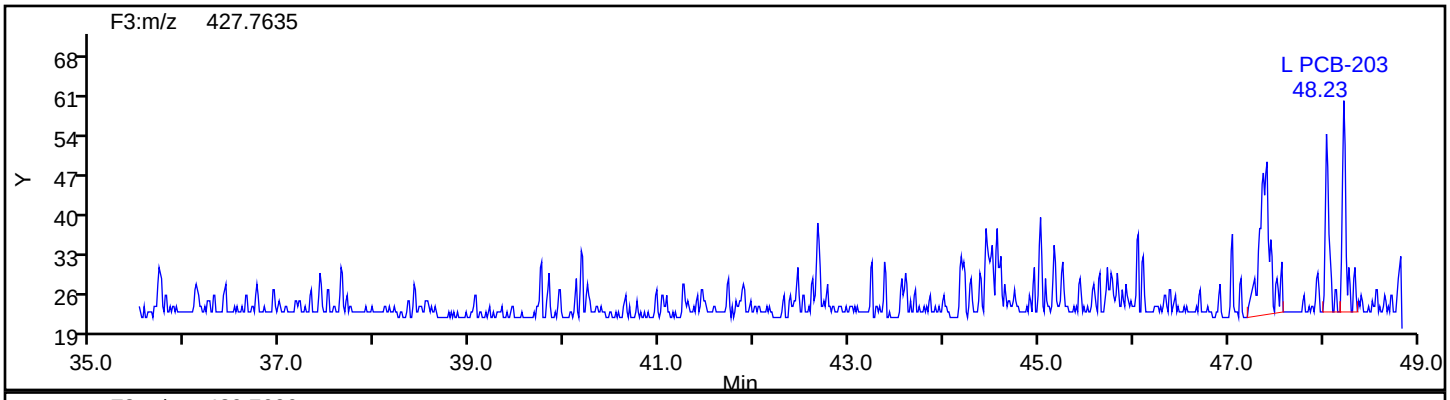

HpPCB F4 Lock Mass

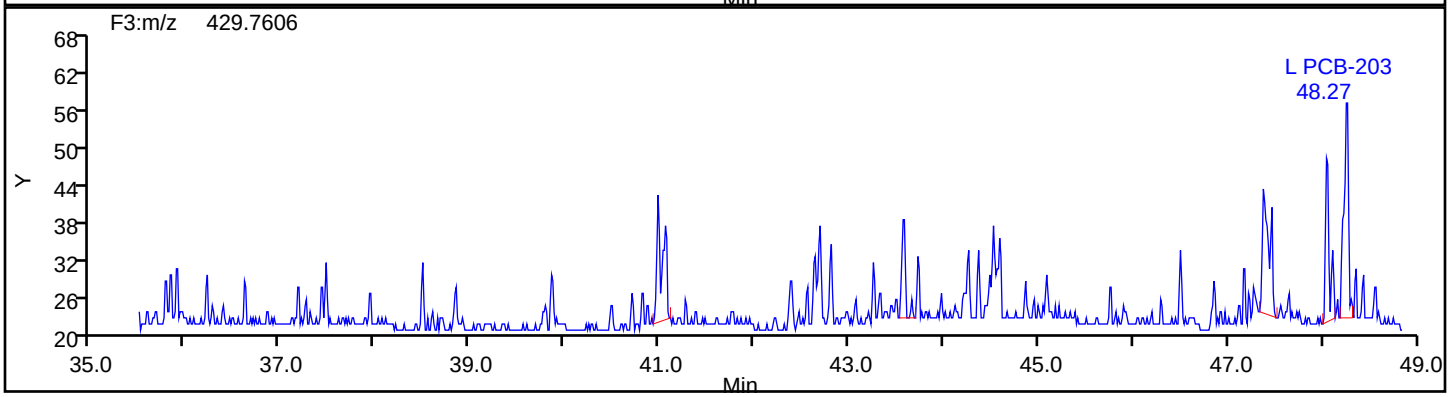


Eurofins TestAmerica, Knoxville

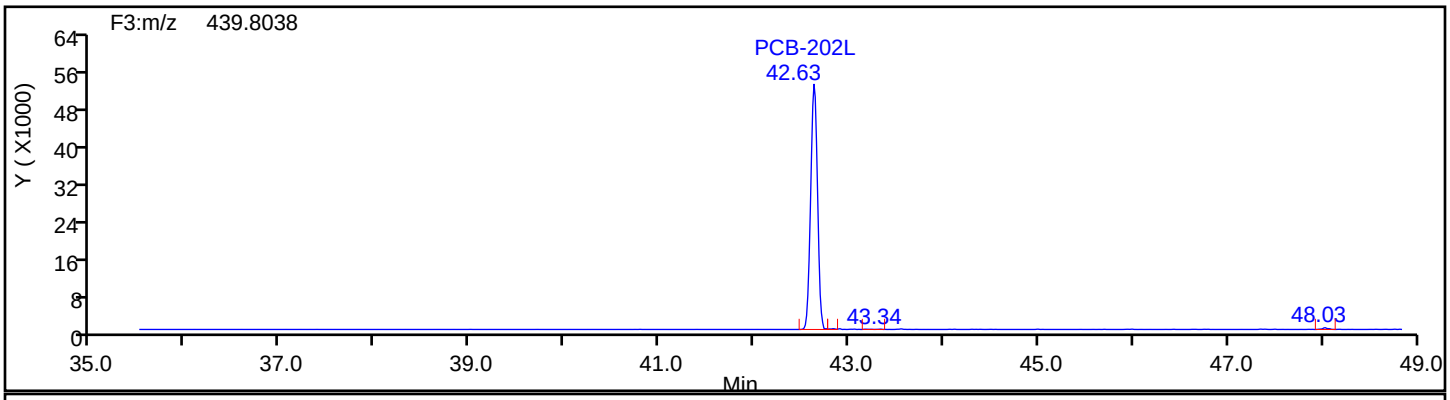
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

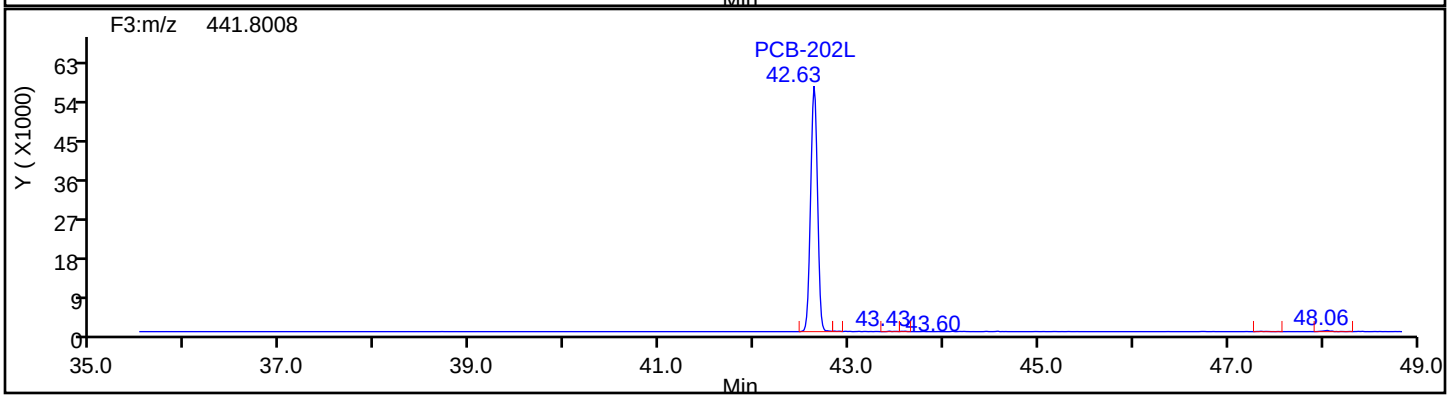
OcPCB F3




OcPCB F3 Standards

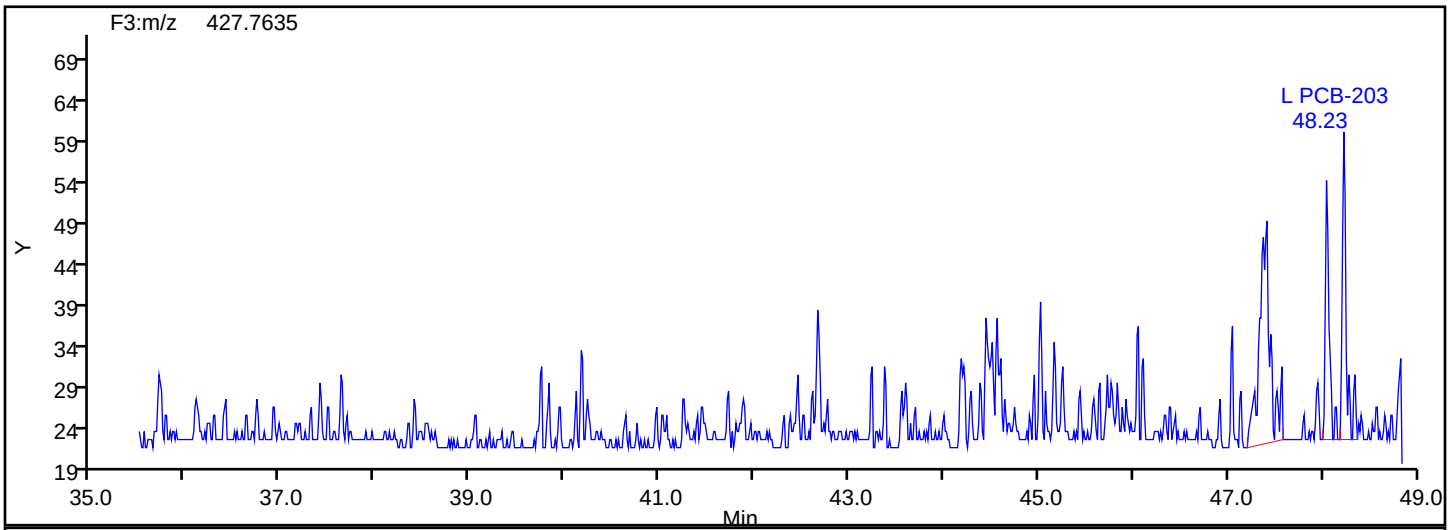


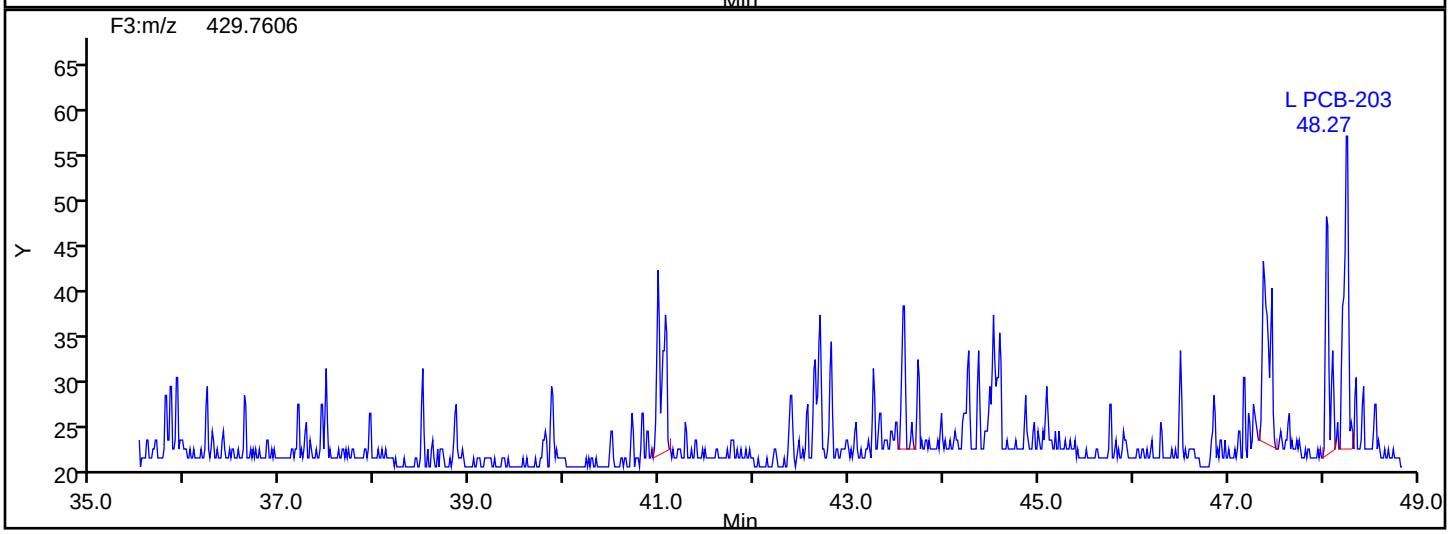



Eurofins TestAmerica, Knoxville

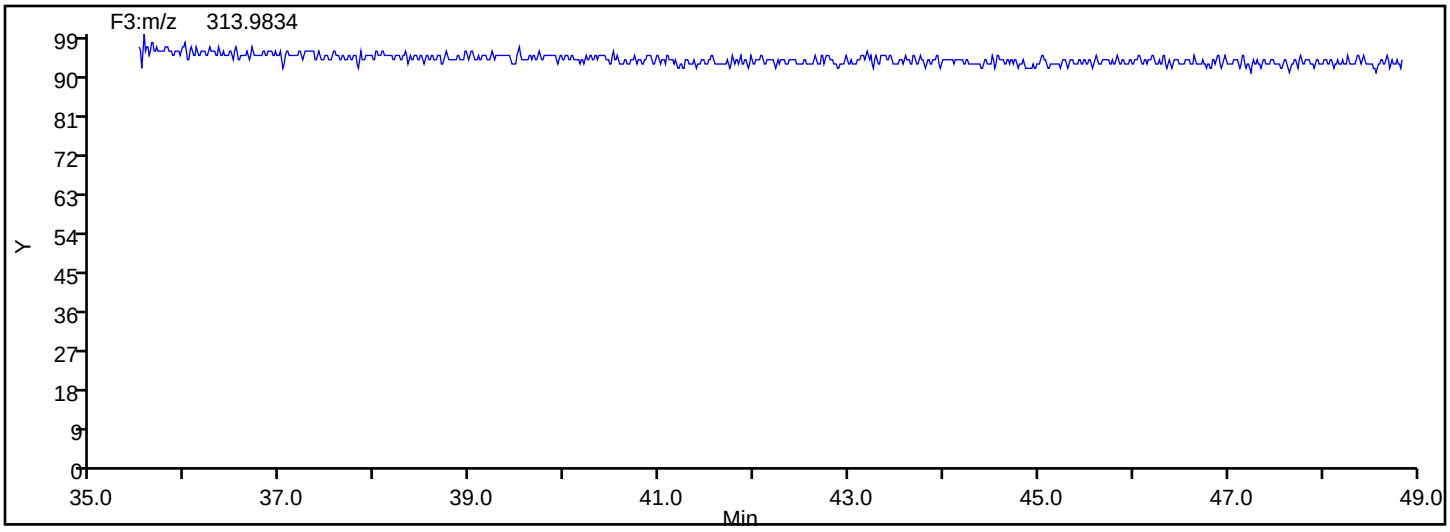
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



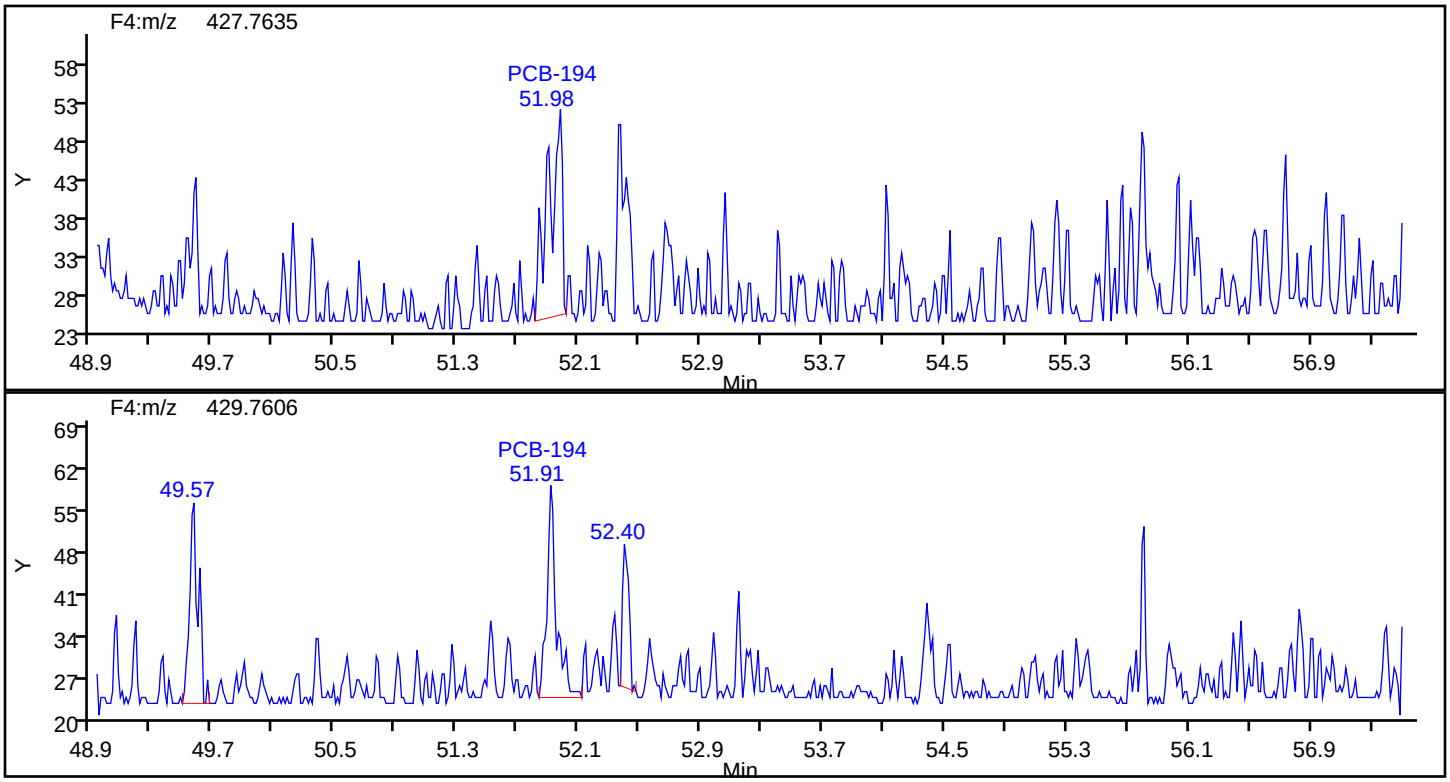

OcPCB F3 Lock Mass



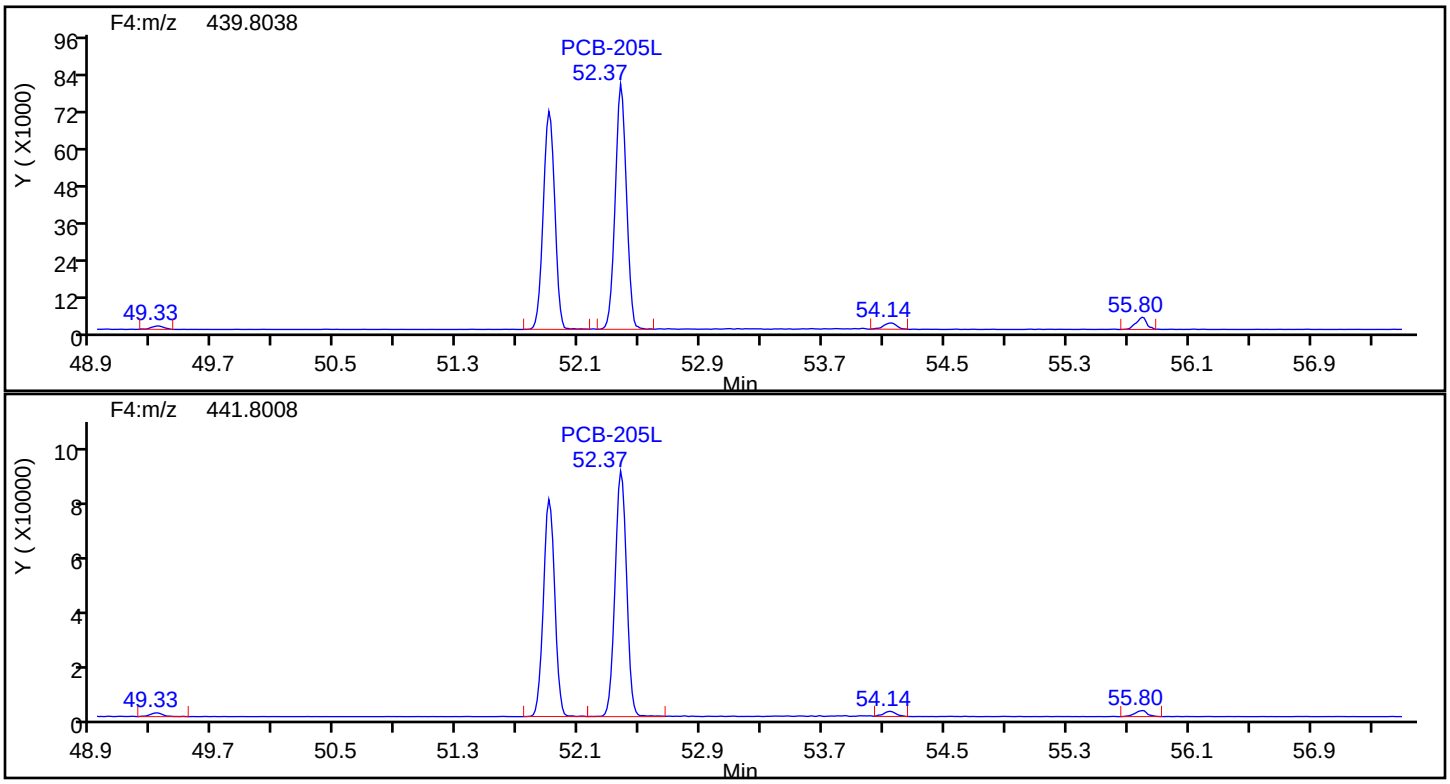
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



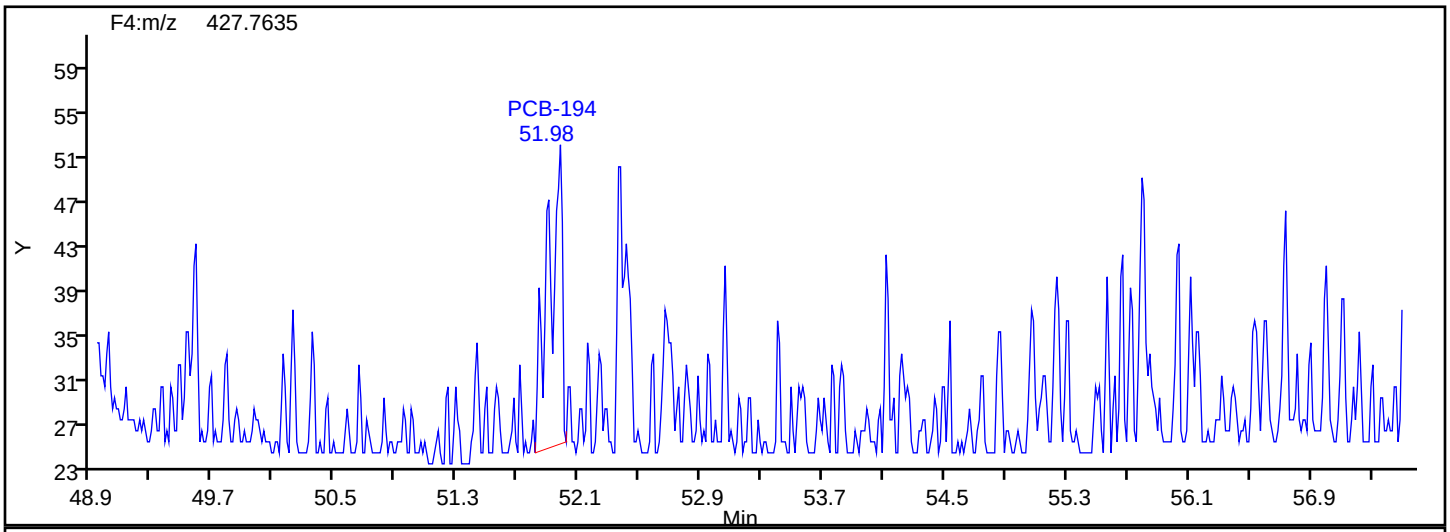

OcPCB F4 Standards

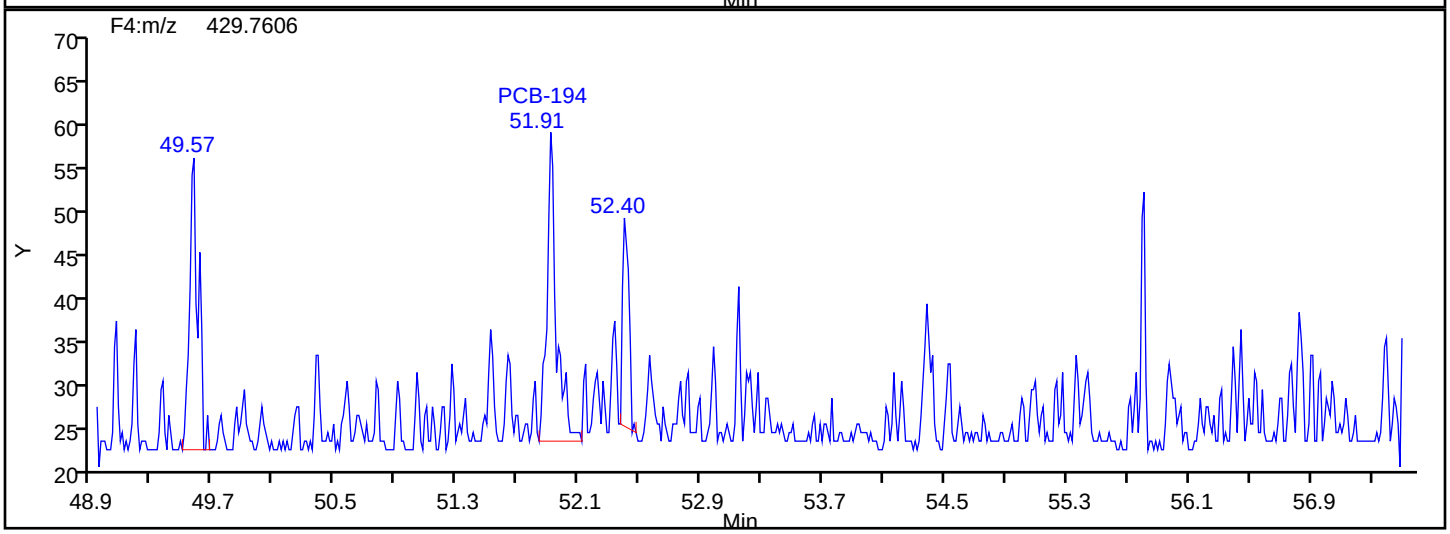


Eurofins TestAmerica, Knoxville

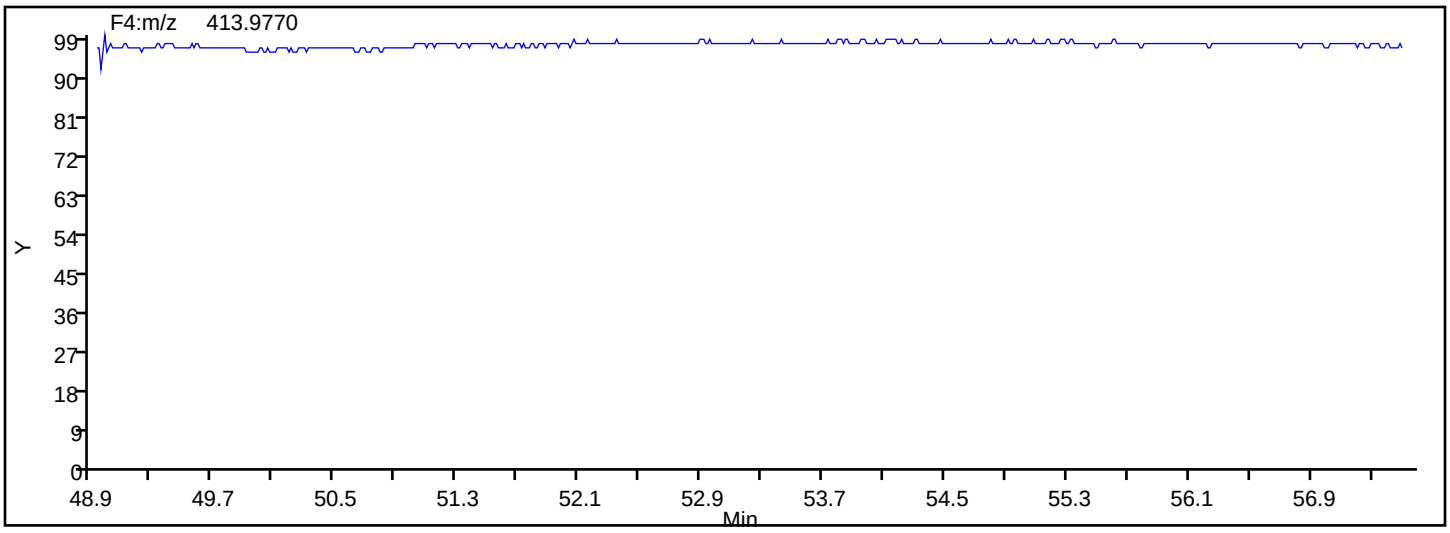
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

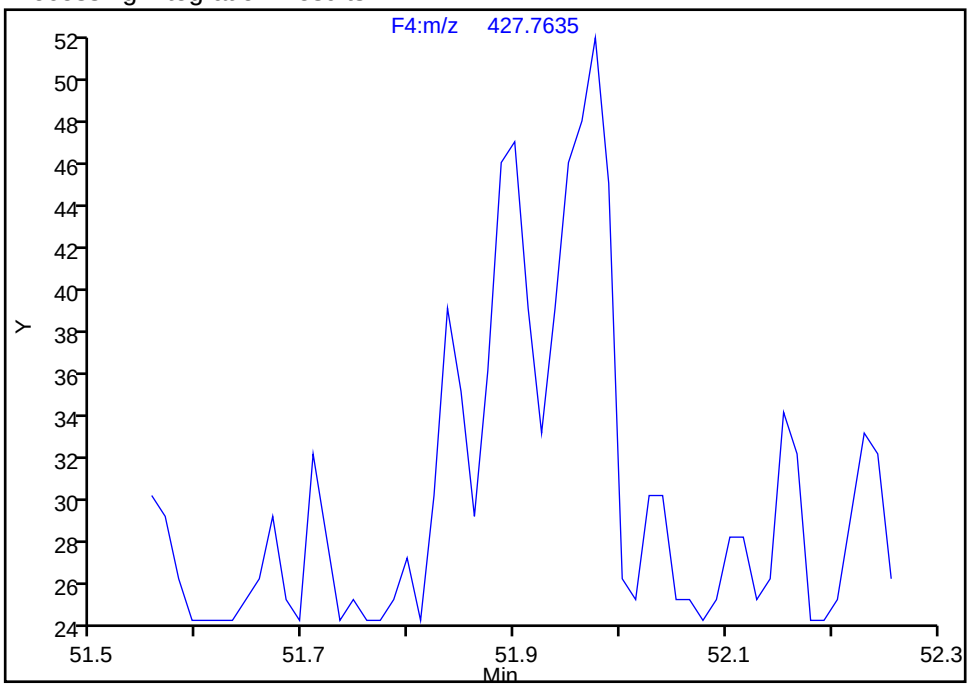
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-194, CAS: 35694-08-7

Signal: 1

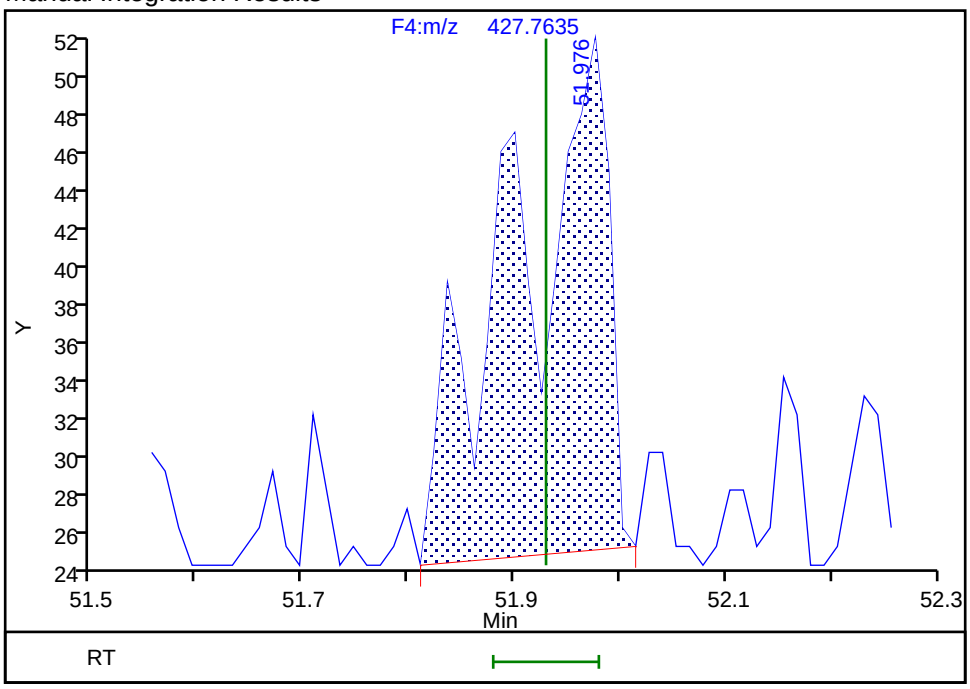
Not Detected
Expected RT: 51.93

Processing Integration Results




Manual Integration Results

RT: 51.98
Area: 169
Amount: 0.039986
Amount Units: pg/ul

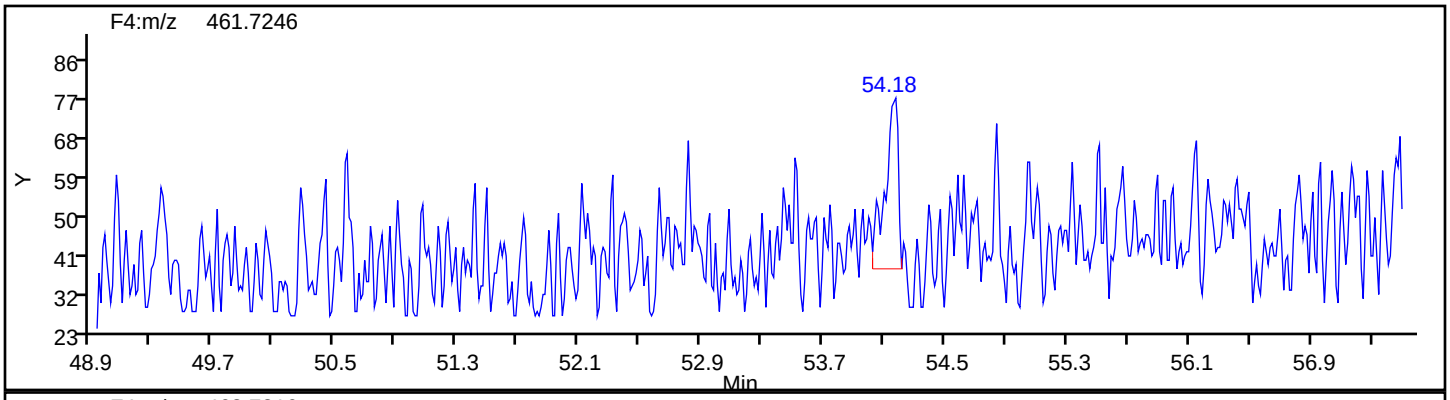


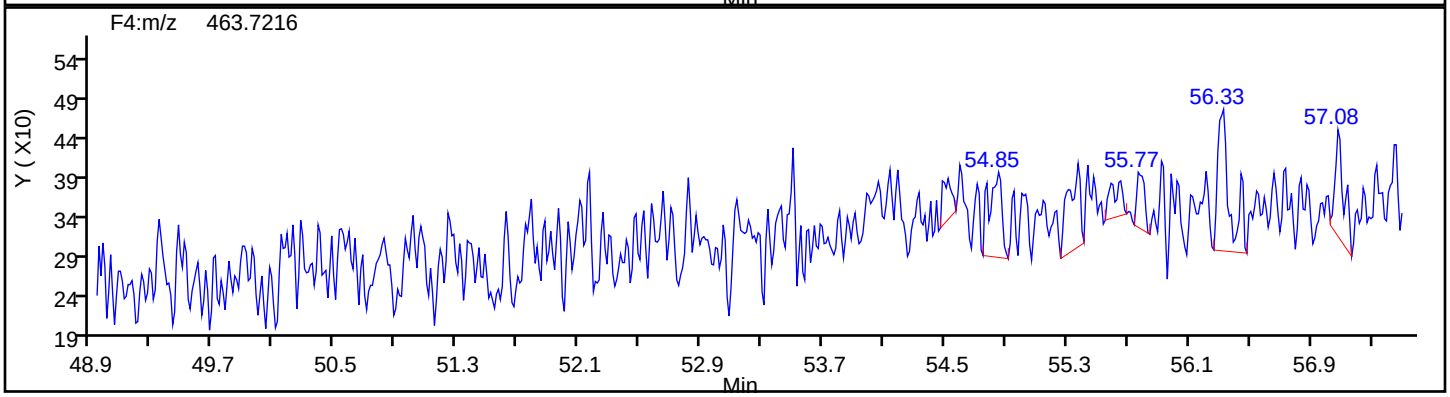

Reviewer: parslyt, 24-Sep-2019 21:20:50
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Eurofins TestAmerica, Knoxville

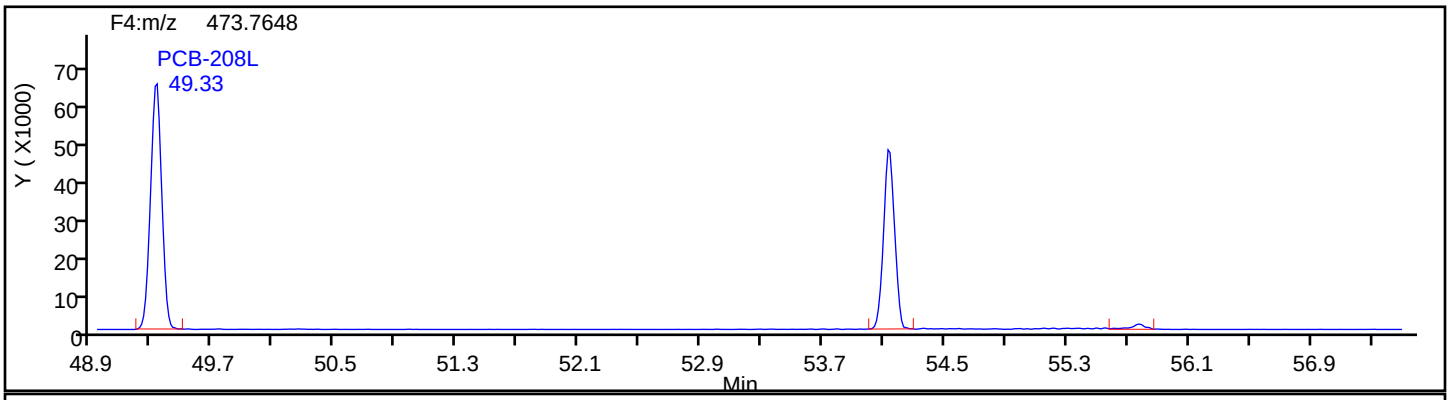
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

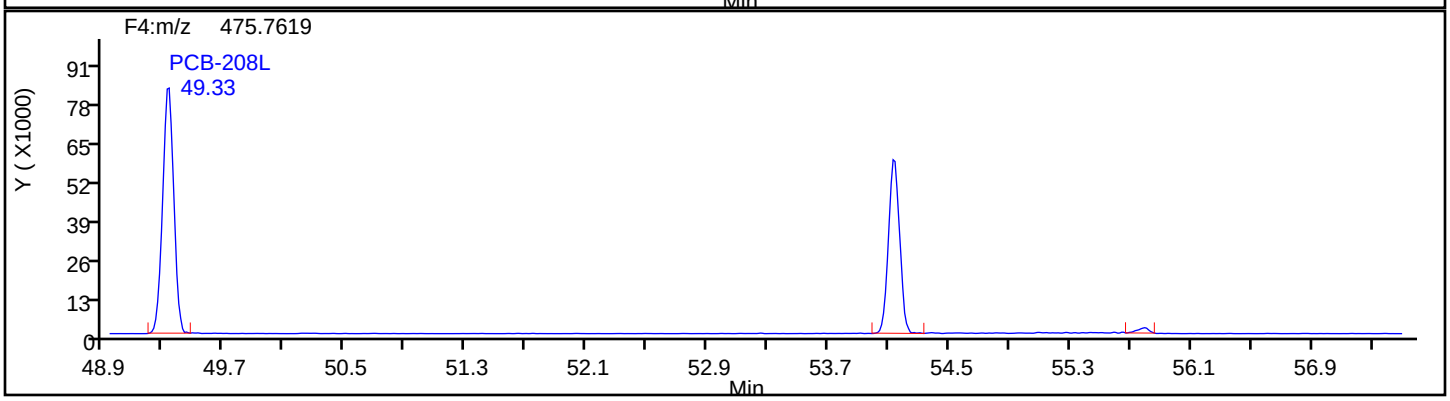
NoPCB F4




NoPCB F4 Standards

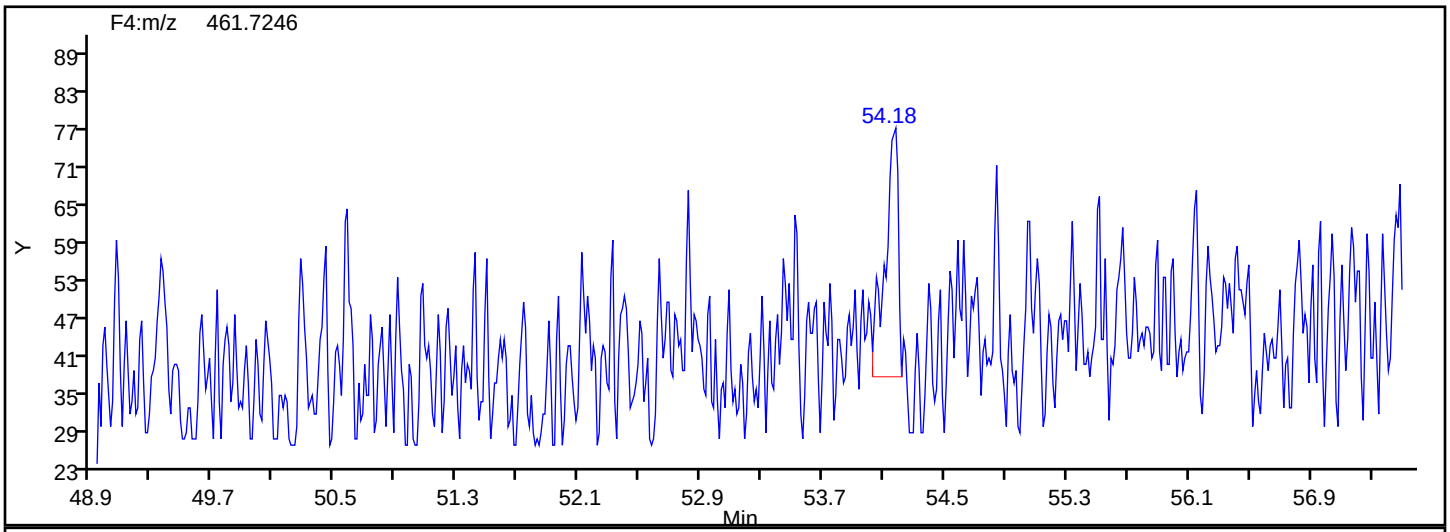


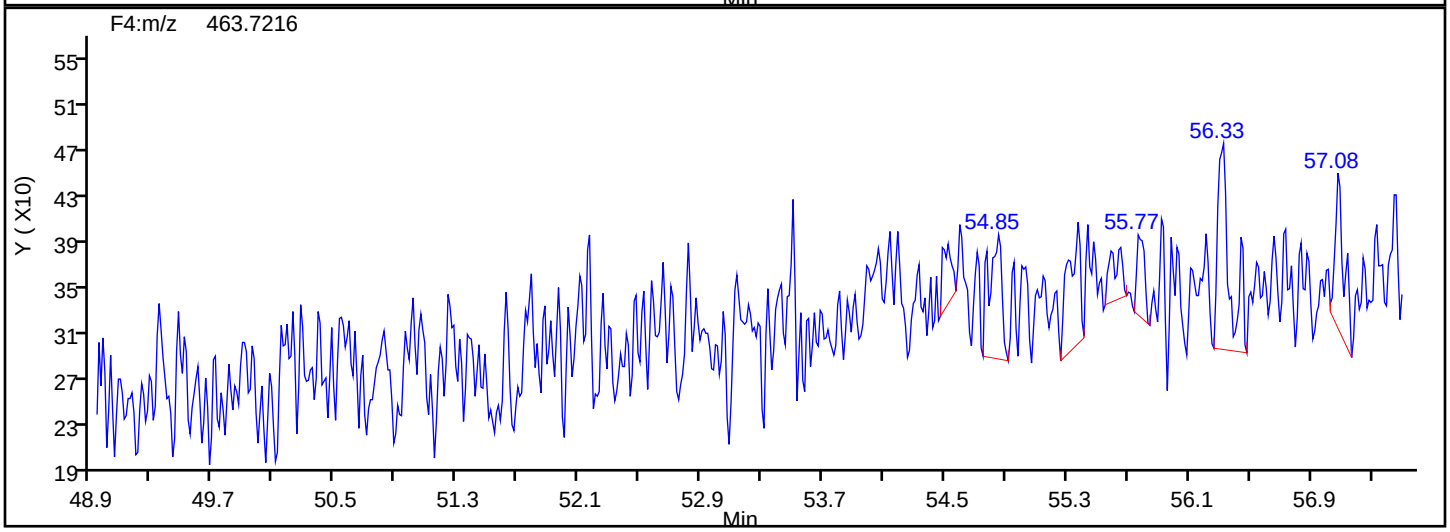



Eurofins TestAmerica, Knoxville

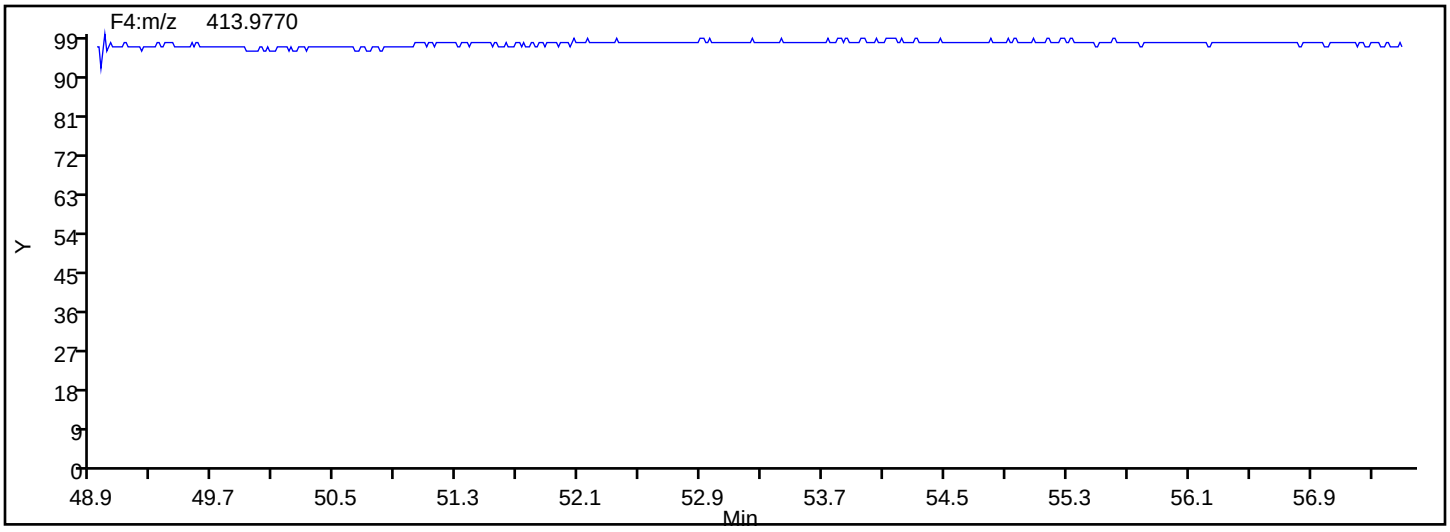
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass

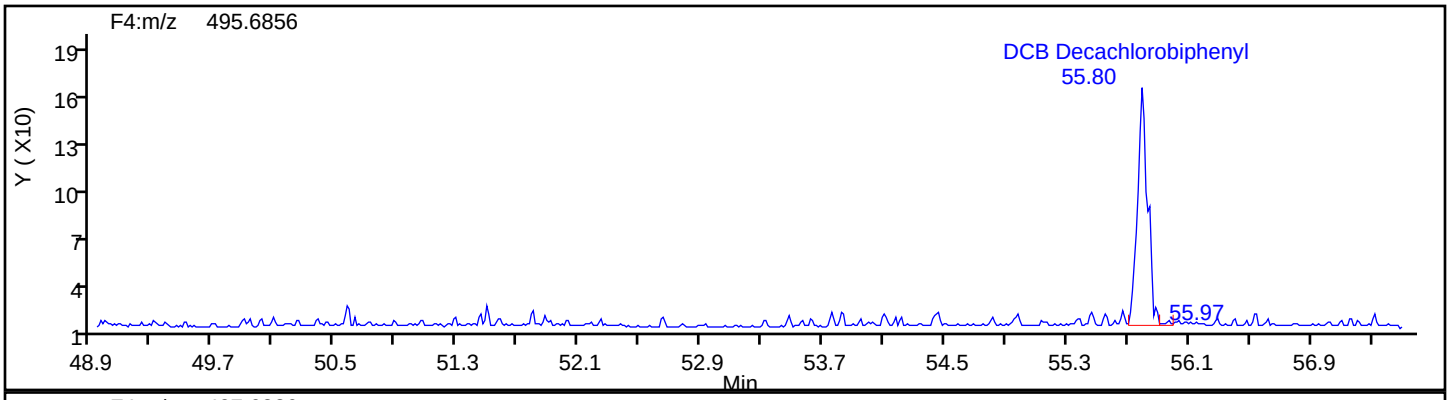


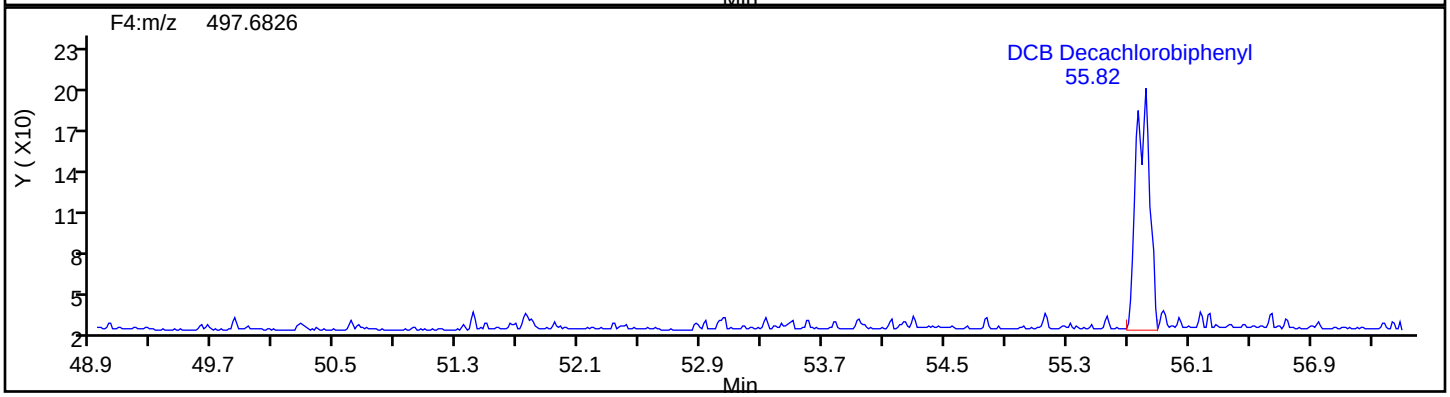
Report Date: 24-Sep-2019 21:22:03 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

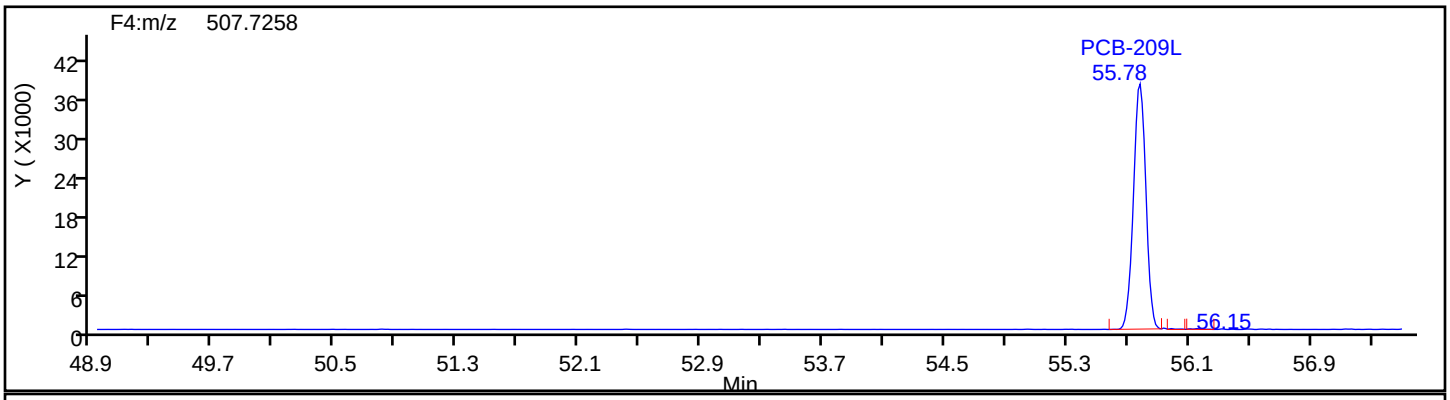
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

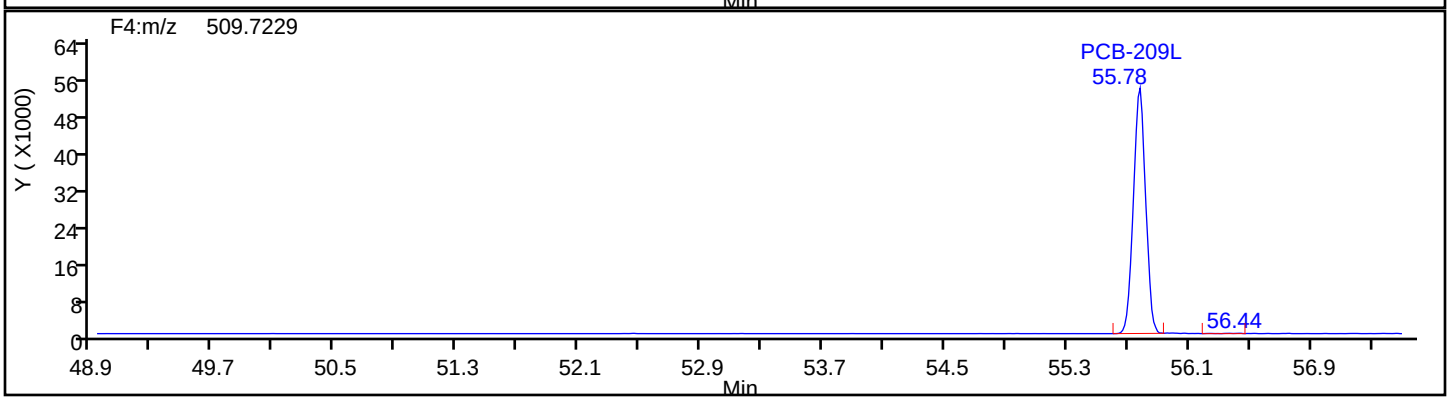
DePCB F4




DePCB F4 Standards

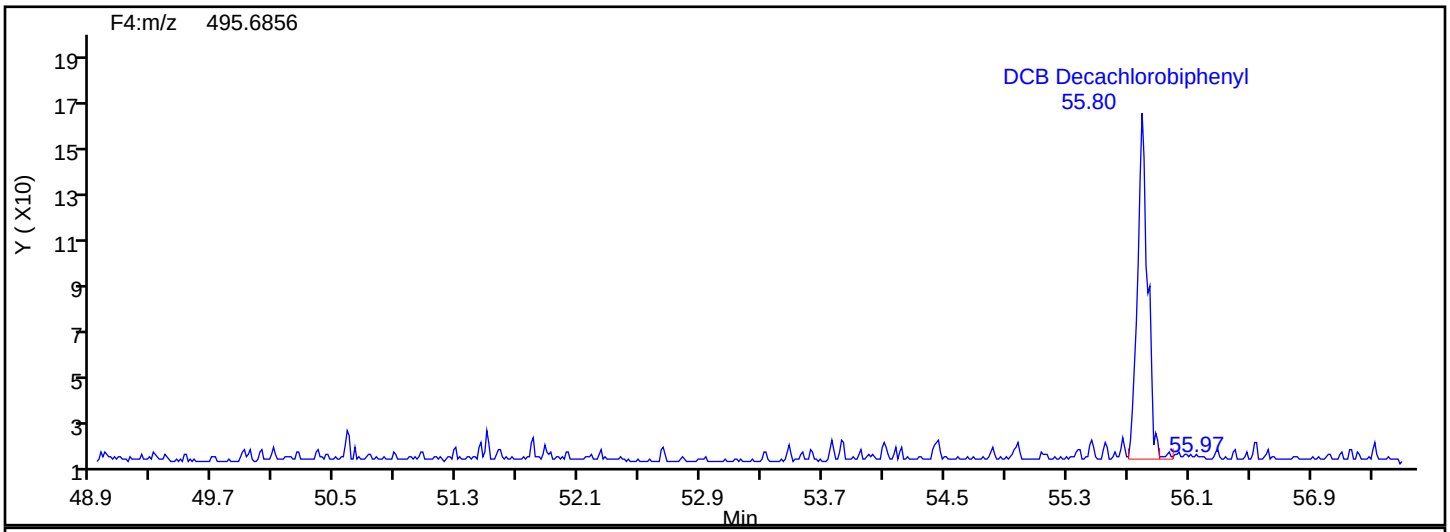


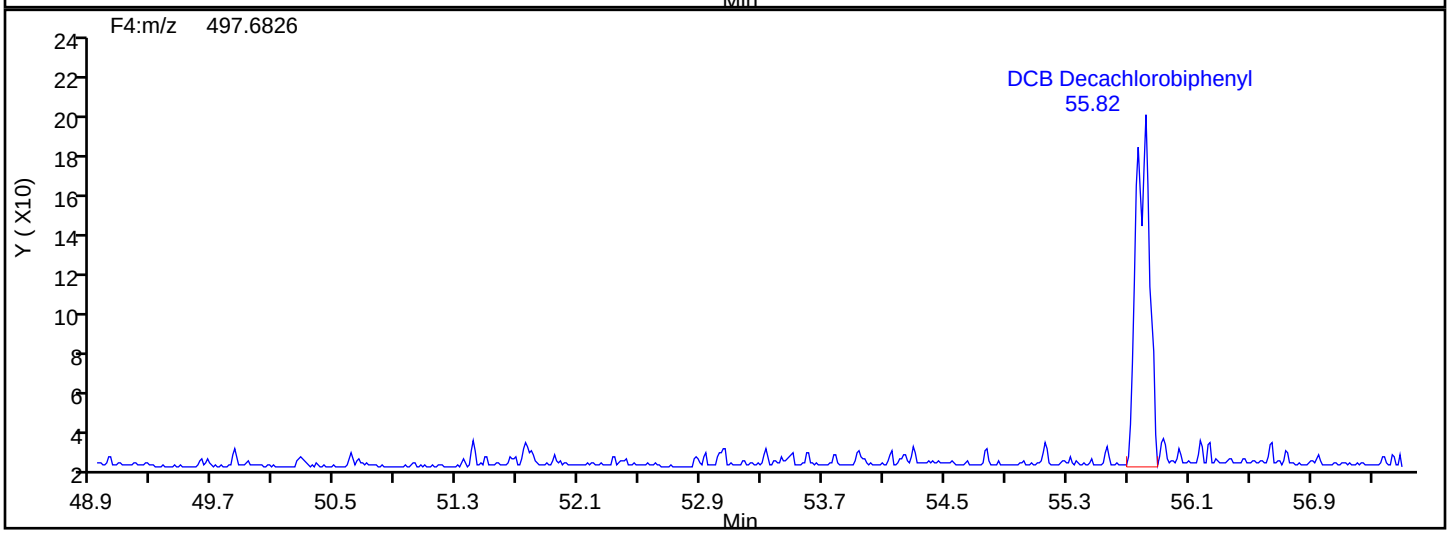



Eurofins TestAmerica, Knoxville

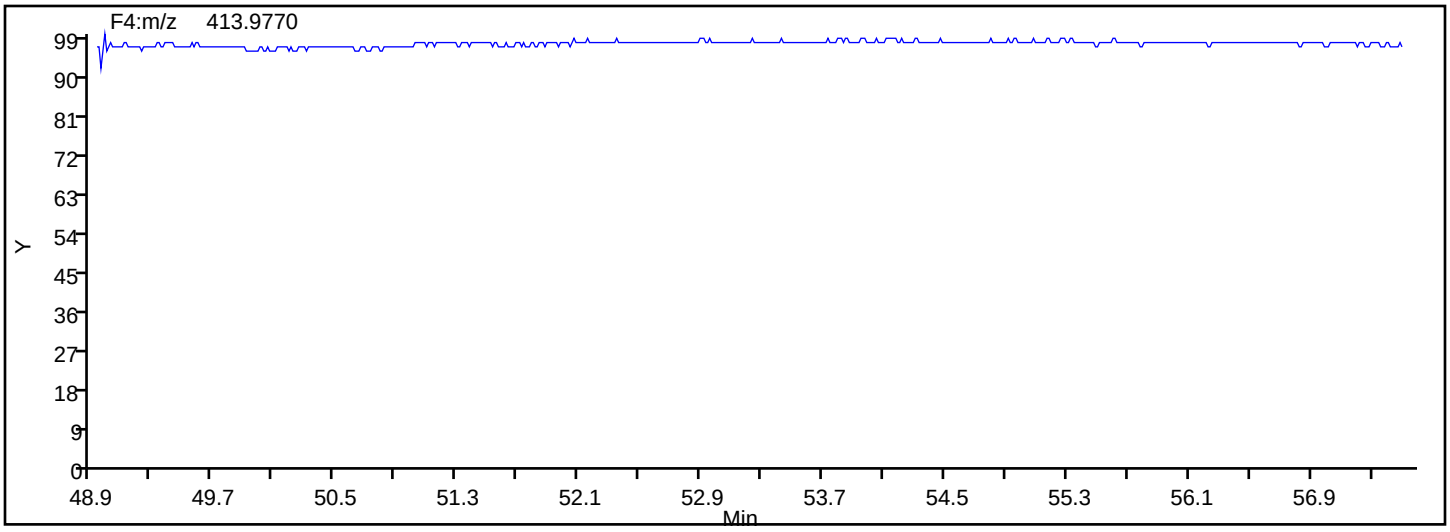
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

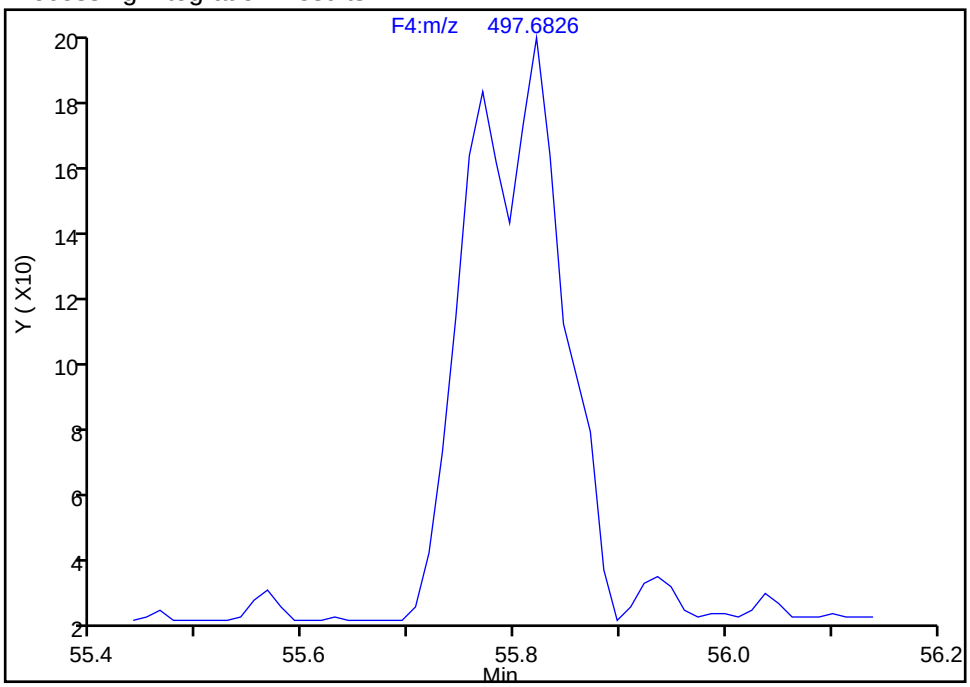
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

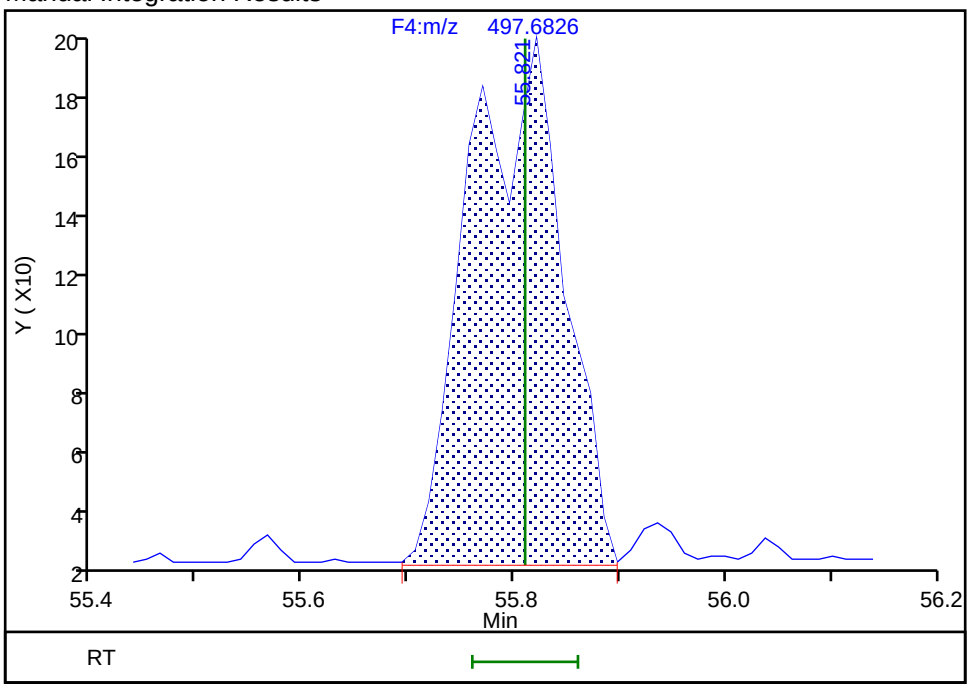
Not Detected
Expected RT: 55.81

Processing Integration Results




Manual Integration Results

RT: 55.82
Area: 1083
Amount: 0.273546
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:21:15
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

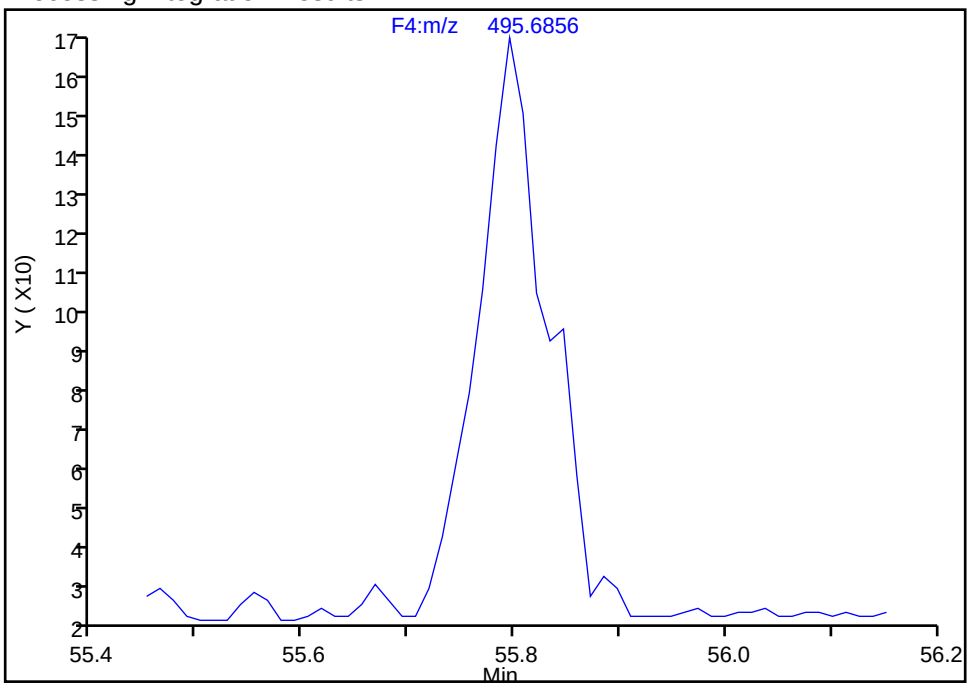
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\mb140-3360310-a.d | | | | |
| Injection Date: | 24-Sep-2019 15:55:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33603/10-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

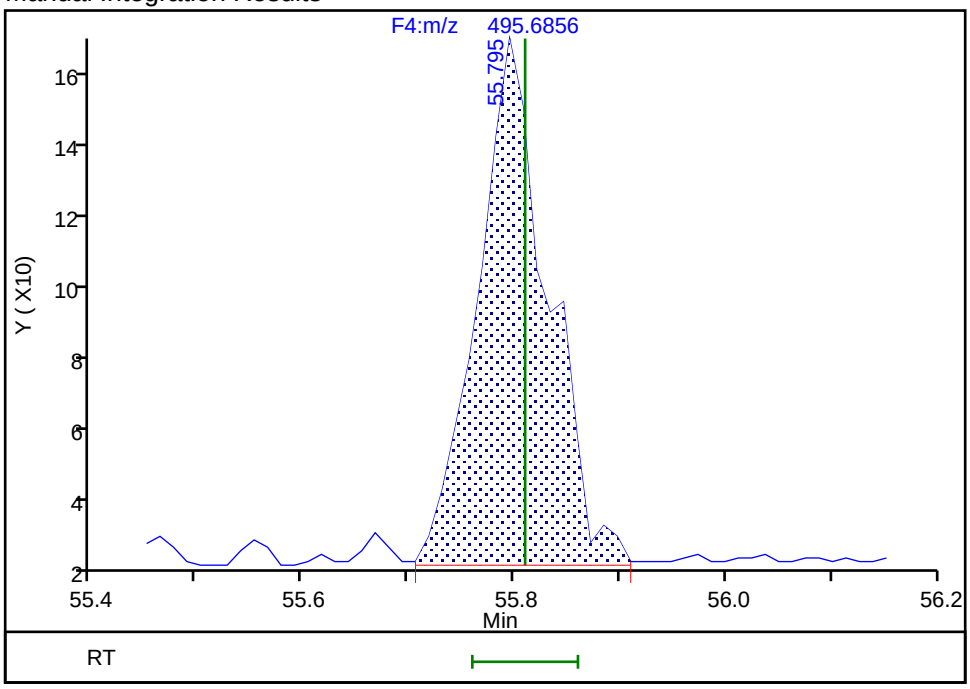
Not Detected
Expected RT: 55.81

Processing Integration Results




Manual Integration Results

RT: 55.80
Area: 677
Amount: 0.273546
Amount Units: pg/ul




Reviewer: parslyt, 24-Sep-2019 21:21:24
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | ND | | 0.050 | 0.0011 |
| 2051-61-8 | PCB-2 | ND | | 0.050 | 0.0012 |
| 2051-62-9 | PCB-3 | ND | | 0.050 | 0.0013 |
| 13029-08-8 | PCB-4 | ND | | 0.10 | 0.0046 |
| 16605-91-7 | PCB-5 | ND | | 0.050 | 0.0024 |
| 25569-80-6 | PCB-6 | ND | | 0.050 | 0.0025 |
| 33284-50-3 | PCB-7 | ND | | 0.050 | 0.0023 |
| 34883-43-7 | PCB-8 | ND | | 0.10 | 0.0024 |
| 34883-39-1 | PCB-9 | ND | | 0.050 | 0.0027 |
| 33146-45-1 | PCB-10 | ND | | 0.050 | 0.0026 |
| 2050-67-1 | PCB-11 | 0.00944 | J q | 0.10 | 0.0023 |
| 2974-92-7 | PCB-12 | ND | C | 0.10 | 0.0023 |
| 2974-90-5 | PCB-13 | ND | C12 | 0.10 | 0.0023 |
| 34883-41-5 | PCB-14 | ND | | 0.050 | 0.0020 |
| 2050-68-2 | PCB-15 | ND | | 0.050 | 0.0020 |
| 38444-78-9 | PCB-16 | ND | | 0.050 | 0.0026 |
| 37680-66-3 | PCB-17 | ND | | 0.050 | 0.0021 |
| 37680-65-2 | PCB-18 | ND | C | 0.10 | 0.0018 |
| 38444-73-4 | PCB-19 | ND | | 0.050 | 0.0025 |
| 38444-84-7 | PCB-20 | ND | C | 0.10 | 0.0011 |
| 55702-46-0 | PCB-21 | ND | C | 0.10 | 0.0010 |
| 38444-85-8 | PCB-22 | ND | | 0.050 | 0.0012 |
| 55720-44-0 | PCB-23 | ND | | 0.050 | 0.0011 |
| 55702-45-9 | PCB-24 | ND | | 0.050 | 0.0015 |
| 55712-37-3 | PCB-25 | ND | | 0.050 | 0.0011 |
| 38444-81-4 | PCB-26 | ND | C | 0.10 | 0.0011 |
| 38444-76-7 | PCB-27 | ND | | 0.050 | 0.0015 |
| 7012-37-5 | PCB-28 | ND | C20 | 0.10 | 0.0011 |
| 15862-07-4 | PCB-29 | ND | C26 | 0.10 | 0.0011 |
| 35693-92-6 | PCB-30 | ND | C18 | 0.10 | 0.0018 |
| 16606-02-3 | PCB-31 | ND | | 0.10 | 0.0010 |
| 38444-77-8 | PCB-32 | ND | | 0.050 | 0.0014 |
| 38444-86-9 | PCB-33 | ND | C21 | 0.10 | 0.0010 |
| 37680-68-5 | PCB-34 | ND | | 0.050 | 0.0012 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | ND | | 0.050 | 0.0012 |
| 38444-87-0 | PCB-36 | ND | | 0.050 | 0.0011 |
| 38444-90-5 | PCB-37 | ND | | 0.050 | 0.0011 |
| 53555-66-1 | PCB-38 | ND | | 0.050 | 0.0011 |
| 38444-88-1 | PCB-39 | ND | | 0.050 | 0.0010 |
| 38444-93-8 | PCB-40 | ND | C | 0.15 | 0.00081 |
| 52663-59-9 | PCB-41 | ND | C40 | 0.15 | 0.00081 |
| 36559-22-5 | PCB-42 | ND | | 0.050 | 0.00086 |
| 70362-46-8 | PCB-43 | ND | C | 0.10 | 0.00075 |
| 41464-39-5 | PCB-44 | 0.00788 | J q C | 0.15 | 0.00072 |
| 70362-45-7 | PCB-45 | 0.00392 | J q C | 0.10 | 0.00084 |
| 41464-47-5 | PCB-46 | ND | | 0.050 | 0.00098 |
| 2437-79-8 | PCB-47 | 0.00788 | J q C44 | 0.15 | 0.00072 |
| 70362-47-9 | PCB-48 | ND | | 0.050 | 0.00079 |
| 41464-40-8 | PCB-49 | 0.00296 | J q C | 0.10 | 0.00066 |
| 62796-65-0 | PCB-50 | ND | C | 0.10 | 0.00080 |
| 68194-04-7 | PCB-51 | 0.00392 | J q C45 | 0.10 | 0.00084 |
| 35693-99-3 | PCB-52 | 0.00422 | J q | 0.050 | 0.00083 |
| 41464-41-9 | PCB-53 | ND | C50 | 0.10 | 0.00080 |
| 15968-05-5 | PCB-54 | ND | | 0.050 | 0.00077 |
| 74338-24-2 | PCB-55 | ND | | 0.050 | 0.00058 |
| 41464-43-1 | PCB-56 | ND | | 0.050 | 0.00059 |
| 70424-67-8 | PCB-57 | ND | | 0.050 | 0.00058 |
| 41464-49-7 | PCB-58 | ND | | 0.050 | 0.00056 |
| 74472-33-6 | PCB-59 | ND | C | 0.15 | 0.00055 |
| 33025-41-1 | PCB-60 | ND | | 0.050 | 0.00056 |
| 33284-53-6 | PCB-61 | 0.00503 | J C | 0.20 | 0.00055 |
| 54230-22-7 | PCB-62 | ND | C59 | 0.15 | 0.00055 |
| 74472-34-7 | PCB-63 | ND | | 0.050 | 0.00051 |
| 52663-58-8 | PCB-64 | ND | | 0.050 | 0.00053 |
| 33284-54-7 | PCB-65 | 0.00788 | J q C44 | 0.15 | 0.00072 |
| 32598-10-0 | PCB-66 | ND | | 0.050 | 0.00058 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 73575-53-8 | PCB-67 | ND | | 0.050 | 0.00054 |
| 73575-52-7 | PCB-68 | ND | | 0.050 | 0.00050 |
| 60233-24-1 | PCB-69 | 0.00296 | J q C49 | 0.10 | 0.00066 |
| 32598-11-1 | PCB-70 | 0.00503 | J C61 | 0.20 | 0.00055 |
| 41464-46-4 | PCB-71 | ND | C40 | 0.15 | 0.00081 |
| 41464-42-0 | PCB-72 | ND | | 0.050 | 0.00057 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.10 | 0.00075 |
| 32690-93-0 | PCB-74 | 0.00503 | J C61 | 0.20 | 0.00055 |
| 32598-12-2 | PCB-75 | ND | C59 | 0.15 | 0.00055 |
| 70362-48-0 | PCB-76 | 0.00503 | J C61 | 0.20 | 0.00055 |
| 32598-13-3 | PCB-77 | ND | | 0.050 | 0.00054 |
| 70362-49-1 | PCB-78 | ND | | 0.050 | 0.00057 |
| 41464-48-6 | PCB-79 | ND | | 0.050 | 0.00048 |
| 33284-52-5 | PCB-80 | ND | | 0.050 | 0.00051 |
| 70362-50-4 | PCB-81 | ND | | 0.050 | 0.00059 |
| 52663-62-4 | PCB-82 | ND | | 0.050 | 0.0016 |
| 60145-20-2 | PCB-83 | ND | C | 0.10 | 0.0015 |
| 52663-60-2 | PCB-84 | 0.00264 | J q | 0.050 | 0.0016 |
| 65510-45-4 | PCB-85 | 0.00888 | J q C | 0.15 | 0.0012 |
| 55312-69-1 | PCB-86 | ND | C | 0.30 | 0.0012 |
| 38380-02-8 | PCB-87 | ND | C86 | 0.30 | 0.0012 |
| 55215-17-3 | PCB-88 | ND | C | 0.10 | 0.0014 |
| 73575-57-2 | PCB-89 | ND | | 0.050 | 0.0016 |
| 68194-07-0 | PCB-90 | 0.0113 | J C | 0.15 | 0.0012 |
| 68194-05-8 | PCB-91 | ND | C88 | 0.10 | 0.0014 |
| 52663-61-3 | PCB-92 | ND | | 0.050 | 0.0015 |
| 73575-56-1 | PCB-93 | ND | C | 0.10 | 0.0014 |
| 73575-55-0 | PCB-94 | ND | | 0.050 | 0.0016 |
| 38379-99-6 | PCB-95 | ND | | 0.050 | 0.0015 |
| 73575-54-9 | PCB-96 | ND | | 0.050 | 0.0012 |
| 41464-51-1 | PCB-97 | ND | C86 | 0.30 | 0.0012 |
| 60233-25-2 | PCB-98 | ND | C | 0.10 | 0.0014 |
| 38380-01-7 | PCB-99 | ND | C83 | 0.10 | 0.0015 |
| 39485-83-1 | PCB-100 | ND | C93 | 0.10 | 0.0014 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-73-2 | PCB-101 | 0.0113 | J C90 | 0.15 | 0.0012 |
| 68194-06-9 | PCB-102 | ND | C98 | 0.10 | 0.0014 |
| 60145-21-3 | PCB-103 | ND | | 0.050 | 0.0014 |
| 56558-16-8 | PCB-104 | ND | | 0.050 | 0.0010 |
| 32598-14-4 | PCB-105 | ND | | 0.050 | 0.0016 |
| 70424-69-0 | PCB-106 | ND | | 0.050 | 0.0015 |
| 70424-68-9 | PCB-107 | ND | | 0.050 | 0.0015 |
| 70362-41-3 | PCB-108 | ND | C | 0.10 | 0.0016 |
| 74472-35-8 | PCB-109 | ND | C86 | 0.30 | 0.0012 |
| 38380-03-9 | PCB-110 | ND | C | 0.10 | 0.0010 |
| 39635-32-0 | PCB-111 | ND | | 0.050 | 0.00099 |
| 74472-36-9 | PCB-112 | ND | | 0.050 | 0.0010 |
| 68194-10-5 | PCB-113 | 0.0113 | J C90 | 0.15 | 0.0012 |
| 74472-37-0 | PCB-114 | ND | | 0.050 | 0.0013 |
| 74472-38-1 | PCB-115 | ND | C110 | 0.10 | 0.0010 |
| 18259-05-7 | PCB-116 | 0.00888 | J q C85 | 0.15 | 0.0012 |
| 68194-11-6 | PCB-117 | 0.00888 | J q C85 | 0.15 | 0.0012 |
| 31508-00-6 | PCB-118 | 0.00647 | J | 0.050 | 0.0015 |
| 56558-17-9 | PCB-119 | ND | C86 | 0.30 | 0.0012 |
| 68194-12-7 | PCB-120 | ND | | 0.050 | 0.00095 |
| 56558-18-0 | PCB-121 | ND | | 0.050 | 0.0010 |
| 76842-07-4 | PCB-122 | ND | | 0.050 | 0.0017 |
| 65510-44-3 | PCB-123 | ND | | 0.050 | 0.0015 |
| 70424-70-3 | PCB-124 | ND | C108 | 0.10 | 0.0016 |
| 74472-39-2 | PCB-125 | ND | C86 | 0.30 | 0.0012 |
| 57465-28-8 | PCB-126 | ND | | 0.050 | 0.0016 |
| 39635-33-1 | PCB-127 | ND | | 0.050 | 0.0015 |
| 38380-07-3 | PCB-128 | 0.00195 | J q C | 0.10 | 0.0012 |
| 55215-18-4 | PCB-129 | 0.00830 | J q C | 0.20 | 0.0013 |
| 52663-66-8 | PCB-130 | ND | | 0.050 | 0.0017 |
| 61798-70-7 | PCB-131 | ND | | 0.050 | 0.0016 |
| 38380-05-1 | PCB-132 | ND | | 0.050 | 0.0016 |
| 35694-04-3 | PCB-133 | ND | | 0.050 | 0.0015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52704-70-8 | PCB-134 | ND | C | 0.10 | 0.0016 |
| 52744-13-5 | PCB-135 | 0.00245 | J q C | 0.10 | 0.00081 |
| 38411-22-2 | PCB-136 | 0.00186 | J | 0.050 | 0.00061 |
| 35694-06-5 | PCB-137 | ND | | 0.050 | 0.0013 |
| 35065-28-2 | PCB-138 | 0.00830 | J q C129 | 0.20 | 0.0013 |
| 56030-56-9 | PCB-139 | ND | C | 0.10 | 0.0014 |
| 59291-64-4 | PCB-140 | ND | C139 | 0.10 | 0.0014 |
| 52712-04-6 | PCB-141 | ND | | 0.050 | 0.0014 |
| 41411-61-4 | PCB-142 | ND | | 0.050 | 0.0016 |
| 68194-15-0 | PCB-143 | ND | C134 | 0.10 | 0.0016 |
| 68194-14-9 | PCB-144 | ND | | 0.050 | 0.00077 |
| 74472-40-5 | PCB-145 | ND | | 0.050 | 0.00059 |
| 51908-16-8 | PCB-146 | 0.00208 | J | 0.050 | 0.0014 |
| 68194-13-8 | PCB-147 | 0.00448 | J q C | 0.10 | 0.0014 |
| 74472-41-6 | PCB-148 | ND | | 0.050 | 0.00078 |
| 38380-04-0 | PCB-149 | 0.00448 | J q C147 | 0.10 | 0.0014 |
| 68194-08-1 | PCB-150 | ND | | 0.050 | 0.00057 |
| 52663-63-5 | PCB-151 | 0.00245 | J q C135 | 0.10 | 0.00081 |
| 68194-09-2 | PCB-152 | ND | | 0.050 | 0.00056 |
| 35065-27-1 | PCB-153 | 0.00601 | J q C | 0.10 | 0.0011 |
| 60145-22-4 | PCB-154 | ND | | 0.050 | 0.00069 |
| 33979-03-2 | PCB-155 | ND | | 0.050 | 0.00054 |
| 38380-08-4 | PCB-156 | ND | C | 0.10 | 0.0013 |
| 69782-90-7 | PCB-157 | ND | C156 | 0.10 | 0.0013 |
| 74472-42-7 | PCB-158 | ND | | 0.050 | 0.00099 |
| 39635-35-3 | PCB-159 | ND | | 0.050 | 0.0010 |
| 41411-62-5 | PCB-160 | 0.00830 | J q C129 | 0.20 | 0.0013 |
| 74472-43-8 | PCB-161 | ND | | 0.050 | 0.0010 |
| 39635-34-2 | PCB-162 | ND | | 0.050 | 0.0010 |
| 74472-44-9 | PCB-163 | 0.00830 | J q C129 | 0.20 | 0.0013 |
| 74472-45-0 | PCB-164 | ND | | 0.050 | 0.0011 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74472-46-1 | PCB-165 | ND | | 0.050 | 0.0012 |
| 41411-63-6 | PCB-166 | 0.00195 | J q C128 | 0.10 | 0.0012 |
| 52663-72-6 | PCB-167 | ND | | 0.050 | 0.00087 |
| 59291-65-5 | PCB-168 | 0.00601 | J q C153 | 0.10 | 0.0011 |
| 32774-16-6 | PCB-169 | ND | | 0.050 | 0.00098 |
| 35065-30-6 | PCB-170 | 0.00137 | J q | 0.050 | 0.00079 |
| 52663-71-5 | PCB-171 | ND | C | 0.10 | 0.00076 |
| 52663-74-8 | PCB-172 | ND | | 0.050 | 0.00074 |
| 68194-16-1 | PCB-173 | ND | C171 | 0.10 | 0.00076 |
| 38411-25-5 | PCB-174 | 0.00169 | J | 0.050 | 0.00077 |
| 40186-70-7 | PCB-175 | ND | | 0.050 | 0.00069 |
| 52663-65-7 | PCB-176 | ND | | 0.050 | 0.00048 |
| 52663-70-4 | PCB-177 | 0.00137 | J q | 0.050 | 0.00078 |
| 52663-67-9 | PCB-178 | ND | | 0.050 | 0.00072 |
| 52663-64-6 | PCB-179 | ND | | 0.050 | 0.00052 |
| 35065-29-3 | PCB-180 | 0.00438 | J C | 0.10 | 0.00060 |
| 74472-47-2 | PCB-181 | ND | | 0.050 | 0.00066 |
| 60145-23-5 | PCB-182 | ND | | 0.050 | 0.00064 |
| 52663-69-1 | PCB-183 | 0.00287 | J q C | 0.10 | 0.00065 |
| 74472-48-3 | PCB-184 | ND | | 0.050 | 0.00052 |
| 52712-05-7 | PCB-185 | 0.00287 | J q C183 | 0.10 | 0.00065 |
| 74472-49-4 | PCB-186 | ND | | 0.050 | 0.00051 |
| 52663-68-0 | PCB-187 | 0.00228 | J q | 0.050 | 0.00066 |
| 74487-85-7 | PCB-188 | ND | | 0.050 | 0.00046 |
| 39635-31-9 | PCB-189 | ND | | 0.050 | 0.00080 |
| 41411-64-7 | PCB-190 | 0.000538 | J q | 0.050 | 0.00053 |
| 74472-50-7 | PCB-191 | ND | | 0.050 | 0.00053 |
| 74472-51-8 | PCB-192 | ND | | 0.050 | 0.00057 |
| 69782-91-8 | PCB-193 | 0.00438 | J C180 | 0.10 | 0.00060 |
| 35694-08-7 | PCB-194 | ND | | 0.050 | 0.00081 |
| 52663-78-2 | PCB-195 | ND | | 0.050 | 0.00096 |
| 42740-50-1 | PCB-196 | ND | | 0.050 | 0.00084 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 33091-17-7 | PCB-197 | ND | | 0.050 | 0.00061 |
| 68194-17-2 | PCB-198 | 0.00120 | J q C | 0.10 | 0.00090 |
| 52663-75-9 | PCB-199 | 0.00120 | J q C198 | 0.10 | 0.00090 |
| 52663-73-7 | PCB-200 | ND | | 0.050 | 0.00065 |
| 40186-71-8 | PCB-201 | ND | | 0.050 | 0.00062 |
| 2136-99-4 | PCB-202 | ND | | 0.050 | 0.00070 |
| 52663-76-0 | PCB-203 | ND | | 0.050 | 0.00080 |
| 74472-52-9 | PCB-204 | ND | | 0.050 | 0.00067 |
| 74472-53-0 | PCB-205 | ND | | 0.050 | 0.00061 |
| 40186-72-9 | PCB-206 | ND | | 0.050 | 0.0036 |
| 52663-79-3 | PCB-207 | ND | | 0.050 | 0.0026 |
| 52663-77-1 | PCB-208 | ND | | 0.050 | 0.0028 |
| 2051-24-3 | PCB-209 | ND | | 0.050 | 0.0010 |
| 27323-18-8 | Total Monochlorobiphenyls | ND | | 0.050 | 0.0013 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.00944 | J | 0.10 | 0.0026 |
| 25323-68-6 | Total Trichlorobiphenyls | ND | | 0.10 | 0.0026 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 0.0240 | J | 0.20 | 0.00064 |
| 25429-29-2 | Total Pentachlorobiphenyls | 0.0293 | J | 0.30 | 0.0014 |
| 26601-64-9 | Total Hexachlorobiphenyls | 0.0271 | J | 0.20 | 0.0011 |
| 28655-71-2 | Total Heptachlorobiphenyls | 0.0145 | J | 0.10 | 0.00064 |
| 55722-26-4 | Total Octachlorobiphenyls | 0.00120 | J | 0.10 | 0.00074 |
| 53742-07-7 | Total Nonachlorobiphenyls | ND | | 0.050 | 0.0036 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 0.106 | J | 0.30 | 0.0016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-33628/12-B

Matrix: Solid  Lab File ID: mb140-3362812-b_191003143938.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 14:39

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 59 | | 30-140 |
| 208263-77-8 | PCB-3L | 66 | | 30-140 |
| 234432-86-1 | PCB-4L | 70 | | 30-140 |
| 208263-67-6 | PCB-15L | 77 | | 30-140 |
| 234432-87-2 | PCB-19L | 73 | | 30-140 |
| 208263-79-0 | PCB-37L | 75 | | 30-140 |
| 234432-88-3 | PCB-54L | 63 | | 30-140 |
| 105600-23-5 | PCB-77L | 83 | | 30-140 |
| 208461-24-9 | PCB-81L | 78 | | 30-140 |
| 234432-89-4 | PCB-104L | 93 | | 30-140 |
| 208263-62-1 | PCB-105L | 77 | | 30-140 |
| 208263-63-2 | PCB-114L | 78 | | 30-140 |
| 104130-40-7 | PCB-118L | 79 | | 30-140 |
| 208263-64-3 | PCB-123L | 76 | | 30-140 |
| 208263-65-4 | PCB-126L | 82 | | 30-140 |
| 234432-90-7 | PCB-155L | 105 | | 30-140 |
| 208263-68-7 | PCB-156L | 82 | C | 30-140 |
| 235416-30-5 | PCB-157L | 82 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 80 | | 30-140 |
| 208263-70-1 | PCB-169L | 92 | | 30-140 |
| 160901-80-4 | PCB-170L | 75 | | 30-140 |
| 234432-91-8 | PCB-188L | 80 | | 30-140 |
| 208263-73-4 | PCB-189L | 83 | | 30-140 |
| 105600-26-8 | PCB-202L | 90 | | 30-140 |
| 234446-64-1 | PCB-205L | 76 | | 30-140 |
| 208263-75-6 | PCB-206L | 74 | | 30-140 |
| 234432-92-9 | PCB-208L | 77 | | 30-140 |
| 105600-27-9 | PCB-209L | 73 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 78 | | 40-125 |
| 235416-29-2 | PCB-111L | 94 | | 40-125 |
| 232919-67-4 | PCB-178L | 94 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d
Lims ID: MB 140-33628/12-B
Client ID:
Sample Type: MB
Inject. Date: 03-Oct-2019 14:39:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 01:26:41 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 01:26:41

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | | | 0.0269 | 0.0269 | | |
| D PCB-1L | 11:59 | 470891 | 3.34 | 1.3140 | 11.8 | 11.8 | 0.2788 | 0.2788 | 58.75 | M |
| D PCB-3L | 14:03 | 548734 | 2.90 | 1.3615 | 13.2 | 13.2 | 0.2691 | 0.2691 | 66.08 | M |
| PCB-1 | 11:45 | | | | | | 0.0212 | 0.0212 | | U |
| PCB-2 | 13:44 | | | | | | 0.0239 | 0.0239 | | |
| PCB-3 | 13:55 | | | | | | 0.0269 | 0.0269 | | |
| S Total Dichlorobiphenyls | | | | | 0.4478 | 0.1887 | 0.0513 | 0.0513 | | RQ |
| D PCB-4L | 14:18 | 255533 | 1.50 | 0.5996 | 14.0 | 14.0 | 0.4050 | 0.4050 | 69.88 | Ma |
| * PCB-9L | 16:13 | 609922 | 1.67 | 4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-8L | 16:57 | | | | | | 0.3821 | 0.3821 | | |
| D PCB-15L | 20:04 | 482798 | 1.71 | 1.0280 | 15.4 | 15.4 | 0.2362 | 0.2362 | 77.00 | |
| PCB-4 | 14:10 | | | | | | 0.0918 | 0.0918 | | |
| PCB-10 | 14:21 | | | | | | 0.0514 | 0.0514 | | |
| PCB-9 | 16:08 | | | | | | 0.0536 | 0.0536 | | |
| PCB-7 | 16:18 | | | | | | 0.0469 | 0.0469 | | |
| PCB-6 | 16:32 | | | | | | 0.0490 | 0.0490 | | |
| PCB-5 | 16:50 | | | | | | 0.0488 | 0.0488 | | |
| PCB-8 | 16:58 | | | | | | 0.0480 | 0.0480 | | |
| PCB-14 | 18:35 | | | | | | 0.0407 | 0.0407 | | |
| PCB-11 | 19:32 | 5695 | 1.56 | 1.6347 | 0.4478 | 0.1887 | 0.0466 | 0.0466 | | RQa |
| PCB-12 | 19:45 | | | | | | 0.0464 | 0.0464 | | |
| PCB-13 (C12) | 19:45 | | | | | | 0.0464 | 0.0464 | | |
| PCB-15 | 20:02 | | | | | | 0.0406 | 0.0406 | | |
| S Total Trichlorobiphenyl | | | | | | | 0.0529 | 0.0529 | | |
| D PCB-19L | 17:20 | 190980 | 1.07 | 0.6095 | 14.5 | 14.5 | 0.6368 | 0.6368 | 72.56 | |
| * PCB-32L | 20:32 | 431833 | 1.18 | 2.2E+04 | 20.0 | 20.0 | | | | |
| * PCB-31L | 22:47 | 870267 | 1.10 | 6.8E+04 | 20.0 | 20.0 | | | | |
| $ PCB-28L | 23:04 | 745011 | 1.08 | 1.0975 | 15.6 | 15.6 | 0.1358 | 0.1358 | 78.00 | |
| D PCB-37L | 27:03 | 586307 | 1.07 | 0.9024 | 14.9 | 14.9 | 0.1651 | 0.1651 | 74.66 | |
| PCB-19 | 17:16 | | | | | | 0.0497 | 0.0497 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 19:06 | | | | | | 0.0357 | 0.0357 | | |
| PCB-30 (C18) | 19:06 | | | | | | 0.0357 | 0.0357 | | |
| PCB-17 | 19:33 | | | | | | 0.0415 | 0.0415 | | |
| PCB-27 | 19:45 | | | | | | 0.0299 | 0.0299 | | |
| PCB-24 | 19:53 | | | | | | 0.0309 | 0.0309 | | |
| PCB-16 | 20:00 | | | | | | 0.0529 | 0.0529 | | |
| PCB-32 | 20:31 | | | | | | 0.0277 | 0.0277 | | |
| PCB-34 | 21:47 | | | | | | 0.0237 | 0.0237 | | |
| PCB-23 | 21:56 | | | | | | 0.0227 | 0.0227 | | |
| PCB-26 | 22:15 | | | | | | 0.0218 | 0.0218 | | |
| PCB-29 (C26) | 22:15 | | | | | | 0.0218 | 0.0218 | | |
| PCB-25 | 22:28 | | | | | | 0.0213 | 0.0213 | | |
| PCB-31 | 22:46 | | | | | | 0.0208 | 0.0208 | | |
| PCB-20 | 23:04 | | | | | | 0.0220 | 0.0220 | | |
| PCB-28 (C20) | 23:04 | | | | | | 0.0220 | 0.0220 | | |
| PCB-21 | 23:18 | | | | | | 0.0209 | 0.0209 | | |
| PCB-33 (C21) | 23:18 | | | | | | 0.0209 | 0.0209 | | |
| PCB-22 | 23:42 | | | | | | 0.0231 | 0.0231 | | |
| PCB-36 | 25:15 | | | | | | 0.0213 | 0.0213 | | |
| PCB-39 | 25:36 | | | | | | 0.0206 | 0.0206 | | |
| PCB-38 | 26:11 | | | | | | 0.0218 | 0.0218 | | |
| PCB-35 | 26:39 | | | | | | 0.0236 | 0.0236 | | |
| PCB-37 | 27:03 | | | | | | 0.0223 | 0.0223 | | |
| S Total Tetrachlorobiphen | | | | | 0.5976 | 0.4802 | 0.0129 | 0.0129 | | RQ |
| D PCB-54L | 20:22 | 177820 | 0.85 | 0.6515 | 12.6 | 12.6 | 0.1048 | 0.1048 | 63.21 | |
| * PCB-52L | 24:53 | 453779 | 0.77 | 3.9E+04 | 20.0 | 20.0 | | | | |
| $ PCB-79L | 32:47 | | | | | | 0.0872 | 0.0872 | | |
| D PCB-81L | 33:47 | 437097 | 0.78 | 1.2328 | 15.6 | 15.6 | 0.0667 | 0.0667 | 78.13 | |
| D PCB-77L | 34:20 | 471939 | 0.85 | 1.2523 | 16.6 | 16.6 | 0.0657 | 0.0657 | 83.05 | |
| PCB-54 | 20:21 | | | | | | 0.0153 | 0.0153 | | |
| PCB-50 | 22:31 | | | | | | 0.0159 | 0.0159 | | |
| PCB-53 (C50) | 22:31 | | | | | | 0.0159 | 0.0159 | | |
| PCB-45 | 23:16 | 1576 | 0.77 | 0.8850 | 0.1470 | 0.0784 | 0.0169 | 0.0169 | | RQ |
| PCB-51 (C45) | 23:16 | 1576 | 0.77 | 0.8850 | 0.1470 | 0.0784 | 0.0169 | 0.0169 | | RQ |
| PCB-46 | 23:29 | | | | | | 0.0197 | 0.0197 | | |
| PCB-52 | 24:53 | 1724 | 0.77 | 0.8992 | 0.0974 | 0.0844 | 0.0166 | 0.0166 | | RQa |
| PCB-43 | 25:03 | | | | | | 0.0149 | 0.0149 | | |
| PCB-73 (C43) | 25:03 | | | | | | 0.0149 | 0.0149 | | |
| PCB-49 | 25:22 | 1529 | 0.77 | 1.1366 | 0.0757 | 0.0592 | 0.0131 | 0.0131 | | RQ |
| PCB-69 (C49) | 25:22 | 1529 | 0.77 | 1.1366 | 0.0757 | 0.0592 | 0.0131 | 0.0131 | | RQ |
| PCB-48 | 25:40 | | | | | | 0.0158 | 0.0158 | | |
| PCB-44 | 25:56 | 3699 | 0.77 | 1.0323 | 0.1769 | 0.1577 | 0.0145 | 0.0145 | | RQ |
| PCB-47 (C44) | 25:56 | 3699 | 0.77 | 1.0323 | 0.1769 | 0.1577 | 0.0145 | 0.0145 | | RQ |
| PCB-65 (C44) | 25:56 | 3699 | 0.77 | 1.0323 | 0.1769 | 0.1577 | 0.0145 | 0.0145 | | RQ |
| PCB-59 | 26:12 | | | | | | 0.0110 | 0.0110 | | |
| PCB-62 (C59) | 26:12 | | | | | | 0.0110 | 0.0110 | | |
| PCB-75 (C59) | 26:12 | | | | | | 0.0110 | 0.0110 | | |
| PCB-42 | 26:25 | | | | | | 0.0172 | 0.0172 | | |
| PCB-40 | 26:55 | | | | | | 0.0163 | 0.0163 | | |
| PCB-41 (C40) | 26:55 | | | | | | 0.0163 | 0.0163 | | |
| PCB-71 (C40) | 26:55 | | | | | | 0.0163 | 0.0163 | | |
| PCB-64 | 27:08 | | | | | | 0.0105 | 0.0105 | | |
| PCB-72 | 27:57 | | | | | | 0.0113 | 0.0113 | | |
| PCB-68 | 28:15 | | | | | | 0.0101 | 0.0101 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-57 | 28:40 | | | | | | 0.0116 | 0.0116 | | |
| PCB-58 | 28:55 | | | | | | 0.0113 | 0.0113 | | |
| PCB-67 | 29:05 | | | | | | 0.0107 | 0.0107 | | |
| PCB-63 | 29:21 | | | | | | 0.0102 | 0.0102 | | |
| PCB-61 | 29:40 | 3103 | 0.82 | 1.3565 | 0.1007 | 0.1007 | 0.0110 | 0.0110 | | M |
| PCB-70 (C61) | 29:40 | 3103 | 0.82 | 1.3565 | 0.1007 | 0.1007 | 0.0110 | 0.0110 | | M |
| PCB-74 (C61) | 29:40 | 3103 | 0.82 | 1.3565 | 0.1007 | 0.1007 | 0.0110 | 0.0110 | | M |
| PCB-76 (C61) | 29:40 | 3103 | 0.82 | 1.3565 | 0.1007 | 0.1007 | 0.0110 | 0.0110 | | M |
| PCB-66 | 30:00 | | | | | | 0.0117 | 0.0117 | | |
| PCB-55 | 30:10 | | | | | | 0.0115 | 0.0115 | | |
| PCB-56 | 30:40 | | | | | | 0.0118 | 0.0118 | | |
| PCB-60 | 30:53 | | | | | | 0.0112 | 0.0112 | | |
| PCB-80 | 31:17 | | | | | | 0.0102 | 0.0102 | | |
| PCB-79 | 32:49 | | | | | | 0.009681 | 0.009681 | | |
| PCB-78 | 33:23 | | | | | | 0.0114 | 0.0114 | | |
| PCB-81 | 33:49 | | | | | | 0.0118 | 0.0118 | | |
| PCB-77 | 34:22 | | | | | | 0.0107 | 0.0107 | | |
| S Total Pentachlorobiphen | | | | | 0.6584 | 0.6144 | 0.0275 | 0.0275 | | RQ |
| D PCB-104L | 25:50 | 352365 | 1.68 | 1.1164 | 18.5 | 18.5 | 0.0302 | 0.0302 | 92.62 | |
| $ PCB-95L | 28:47 | | | | | | 0.0396 | 0.0396 | | |
| * PCB-101L | 31:43 | 340775 | 1.48 | 3.4E+04 | 20.0 | 20.0 | | | | |
| $ PCB-111L | 34:23 | 389746 | 1.56 | 1.2177 | 18.8 | 18.8 | 0.0277 | 0.0277 | 93.92 | |
| D PCB-123L | 36:21 | 421526 | 1.59 | 0.9909 | 15.3 | 15.3 | 0.2667 | 0.2667 | 76.30 | |
| D PCB-118L | 36:41 | 449512 | 1.51 | 1.0256 | 15.7 | 15.7 | 0.2577 | 0.2577 | 78.61 | |
| D PCB-114L | 37:12 | 436246 | 1.59 | 1.0030 | 15.6 | 15.6 | 0.2635 | 0.2635 | 78.01 | |
| D PCB-105L | 37:51 | 429643 | 1.57 | 1.0013 | 15.4 | 15.4 | 0.2639 | 0.2639 | 76.96 | |
| * PCB-127L | 39:19 | 557536 | 1.62 | 4.9E+04 | 20.0 | 20.0 | | | | |
| D PCB-126L | 40:57 | 410323 | 1.57 | 0.9020 | 16.3 | 16.3 | 0.2929 | 0.2929 | 81.59 | |
| PCB-104 | 25:51 | | | | | | 0.0203 | 0.0203 | | |
| PCB-96 | 26:13 | | | | | | 0.0231 | 0.0231 | | |
| PCB-103 | 28:09 | | | | | | 0.0274 | 0.0274 | | |
| PCB-94 | 28:22 | | | | | | 0.0314 | 0.0314 | | |
| PCB-95 | 28:49 | | | | | | 0.0295 | 0.0295 | | |
| PCB-93 | 29:02 | | | | | | 0.0289 | 0.0289 | | |
| PCB-100 (C93) | 29:02 | | | | | | 0.0289 | 0.0289 | | |
| PCB-98 | 29:11 | | | | | | 0.0287 | 0.0287 | | |
| PCB-102 (C98) | 29:11 | | | | | | 0.0287 | 0.0287 | | |
| PCB-88 | 29:40 | | | | | | 0.0282 | 0.0282 | | |
| PCB-91 (C88) | 29:40 | | | | | | 0.0282 | 0.0282 | | |
| PCB-84 | 29:53 | 799 | 1.55 | 0.8601 | 0.0660 | 0.0527 | 0.0329 | 0.0329 | | RQ |
| PCB-89 | 30:22 | | | | | | 0.0317 | 0.0317 | | |
| PCB-121 | 30:48 | | | | | | 0.0203 | 0.0203 | | |
| PCB-92 | 31:10 | | | | | | 0.0297 | 0.0297 | | |
| PCB-90 | 31:44 | 4506 | 1.55 | 1.1367 | 0.2250 | 0.2250 | 0.0249 | 0.0249 | | |
| PCB-101 (C90) | 31:44 | 4506 | 1.55 | 1.1367 | 0.2250 | 0.2250 | 0.0249 | 0.0249 | | |
| PCB-113 (C90) | 31:44 | 4506 | 1.55 | 1.1367 | 0.2250 | 0.2250 | 0.0249 | 0.0249 | | |
| PCB-83 | 32:20 | | | | | | 0.0302 | 0.0302 | | |
| PCB-99 (C83) | 32:20 | | | | | | 0.0302 | 0.0302 | | |
| PCB-112 | 32:26 | | | | | | 0.0207 | 0.0207 | | |
| PCB-86 | 32:49 | | | | | | 0.0237 | 0.0237 | | |
| PCB-87 (C86) | 32:49 | | | | | | 0.0237 | 0.0237 | | |
| PCB-97 (C86) | 32:49 | | | | | | 0.0237 | 0.0237 | | |
| PCB-109 (C86) | 32:49 | | | | | | 0.0237 | 0.0237 | | |
| PCB-119 (C86) | 32:49 | | | | | | 0.0237 | 0.0237 | | |
| PCB-125 (C86) | 32:49 | | | | | | 0.0237 | 0.0237 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:42 | 3795 | 1.55 | 1.2126 | 0.1936 | 0.1776 | 0.0234 | 0.0234 | | RQMa |
| PCB-116 (C85) | 33:42 | 3795 | 1.55 | 1.2126 | 0.1936 | 0.1776 | 0.0234 | 0.0234 | | RQMa |
| PCB-117 (C85) | 33:42 | 3795 | 1.55 | 1.2126 | 0.1936 | 0.1776 | 0.0234 | 0.0234 | | RQMa |
| PCB-110 | 33:47 | | | | | | 0.0210 | 0.0210 | | |
| PCB-115 (C110) | 33:47 | | | | | | 0.0210 | 0.0210 | | |
| PCB-82 | 34:02 | | | | | | 0.0327 | 0.0327 | | |
| PCB-111 | 34:26 | | | | | | 0.0199 | 0.0199 | | |
| PCB-120 | 34:53 | | | | | | 0.0190 | 0.0190 | | |
| PCB-108 | 36:02 | | | | | | 0.0314 | 0.0314 | | |
| PCB-124 (C108) | 36:02 | | | | | | 0.0314 | 0.0314 | | |
| PCB-107 | 36:16 | | | | | | 0.0290 | 0.0290 | | |
| PCB-123 | 36:23 | | | | | | 0.0297 | 0.0297 | | |
| PCB-106 | 36:30 | | | | | | 0.0309 | 0.0309 | | |
| PCB-118 | 36:41 | 3749 | 1.36 | 1.2892 | 0.1294 | 0.1294 | 0.0293 | 0.0293 | | |
| PCB-122 | 37:04 | | | | | | 0.0339 | 0.0339 | | |
| PCB-114 | 37:15 | | | | | | 0.0267 | 0.0267 | | |
| PCB-105 | 37:53 | 821 | 1.55 | 1.2887 | 0.0444 | 0.0297 | 0.0313 | 0.0313 | | RQ |
| PCB-127 | 39:22 | | | | | | 0.0307 | 0.0307 | | |
| PCB-126 | 40:58 | | | | | | 0.0312 | 0.0312 | | |
| S Total Hexachlorobipheny | | | | | 0.6156 | 0.5428 | 0.0222 | 0.0222 | | RQ |
| D PCB-155L | 31:29 | 340754 | 1.34 | 0.9499 | 21.1 | 21.1 | 0.0327 | 0.0327 | 105 | |
| $ PCB-153L | 38:35 | | | | | | 0.2048 | 0.2048 | | |
| * PCB-138L | 39:47 | 398553 | 1.23 | 3.6E+04 | 20.0 | 20.0 | | | | |
| D PCB-167L | 42:48 | 397789 | 1.25 | 1.2544 | 15.9 | 15.9 | 0.1322 | 0.1322 | 79.56 | |
| D PCB-156L | 43:57 | 807179 | 1.26 | 1.2289 | 33.0 | 33.0 | 0.1349 | 0.1349 | 82.40 | |
| D PCB-157L (C156L) | 43:57 | 807179 | 1.26 | 1.2289 | 33.0 | 33.0 | 0.1349 | 0.1349 | 82.40 | |
| D PCB-169L | 47:11 | 397532 | 1.25 | 1.0883 | 18.3 | 18.3 | 0.1523 | 0.1523 | 91.65 | |
| PCB-155 | 31:32 | | | | | | 0.0108 | 0.0108 | | |
| PCB-152 | 31:43 | | | | | | 0.0112 | 0.0112 | | |
| PCB-150 | 31:53 | | | | | | 0.0114 | 0.0114 | | |
| PCB-136 | 32:13 | 733 | 1.42 | 1.1563 | 0.0372 | 0.0372 | 0.0122 | 0.0122 | | |
| PCB-145 | 32:32 | | | | | | 0.0118 | 0.0118 | | |
| PCB-148 | 34:04 | | | | | | 0.0157 | 0.0157 | | |
| PCB-135 | 34:40 | 726 | 1.24 | 0.8691 | 0.0570 | 0.0490 | 0.0162 | 0.0162 | | RQ |
| PCB-151 (C135) | 34:40 | 726 | 1.24 | 0.8691 | 0.0570 | 0.0490 | 0.0162 | 0.0162 | | RQ |
| PCB-154 | 34:54 | | | | | | 0.0138 | 0.0138 | | |
| PCB-144 | 35:12 | | | | | | 0.0153 | 0.0153 | | |
| PCB-147 | 35:34 | 1751 | 1.24 | 0.9747 | 0.1061 | 0.0897 | 0.0282 | 0.0282 | | RQ |
| PCB-149 (C147) | 35:34 | 1751 | 1.24 | 0.9747 | 0.1061 | 0.0897 | 0.0282 | 0.0282 | | RQ |
| PCB-134 | 35:52 | | | | | | 0.0323 | 0.0323 | | |
| PCB-143 (C134) | 35:52 | | | | | | 0.0323 | 0.0323 | | |
| PCB-139 | 36:10 | | | | | | 0.0275 | 0.0275 | | |
| PCB-140 (C139) | 36:10 | | | | | | 0.0275 | 0.0275 | | |
| PCB-131 | 36:22 | | | | | | 0.0321 | 0.0321 | | |
| PCB-142 | 36:31 | | | | | | 0.0320 | 0.0320 | | |
| PCB-132 | 36:50 | | | | | | 0.0313 | 0.0313 | | |
| PCB-133 | 37:20 | | | | | | 0.0304 | 0.0304 | | |
| PCB-165 | 37:44 | | | | | | 0.0246 | 0.0246 | | |
| PCB-146 | 37:56 | 840 | 1.15 | 1.0084 | 0.0416 | 0.0416 | 0.0273 | 0.0273 | | |
| PCB-161 | 38:07 | | | | | | 0.0206 | 0.0206 | | |
| PCB-153 | 38:34 | 2939 | 1.24 | 1.2207 | 0.1317 | 0.1202 | 0.0225 | 0.0225 | | RQ |
| PCB-168 (C153) | 38:34 | 2939 | 1.24 | 1.2207 | 0.1317 | 0.1202 | 0.0225 | 0.0225 | | RQ |
| PCB-141 | 38:47 | | | | | | 0.0286 | 0.0286 | | |
| PCB-130 | 39:11 | | | | | | 0.0333 | 0.0333 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:25 | | | | | | 0.0260 | 0.0260 | | |
| PCB-164 | 39:32 | | | | | | 0.0220 | 0.0220 | | |
| PCB-129 | 39:49 | 3605 | 1.24 | 1.0840 | 0.1985 | 0.1660 | 0.0254 | 0.0254 | | RQMa |
| PCB-138 (C129) | 39:49 | 3605 | 1.24 | 1.0840 | 0.1985 | 0.1660 | 0.0254 | 0.0254 | | RQMa |
| PCB-160 (C129) | 39:49 | 3605 | 1.24 | 1.0840 | 0.1985 | 0.1660 | 0.0254 | 0.0254 | | RQMa |
| PCB-163 (C129) | 39:49 | 3605 | 1.24 | 1.0840 | 0.1985 | 0.1660 | 0.0254 | 0.0254 | | RQMa |
| PCB-158 | 40:13 | | | | | | 0.0199 | 0.0199 | | |
| PCB-128 | 41:03 | 874 | 1.24 | 1.1165 | 0.0436 | 0.0391 | 0.0247 | 0.0247 | | RQ |
| PCB-166 (C128) | 41:03 | 874 | 1.24 | 1.1165 | 0.0436 | 0.0391 | 0.0247 | 0.0247 | | RQ |
| PCB-159 | 42:05 | | | | | | 0.0209 | 0.0209 | | |
| PCB-162 | 42:22 | | | | | | 0.0202 | 0.0202 | | |
| PCB-167 | 42:51 | | | | | | 0.0175 | 0.0175 | | |
| PCB-156 | 43:59 | | | | | | 0.0250 | 0.0250 | | |
| PCB-157 (C156) | 43:59 | | | | | | 0.0250 | 0.0250 | | |
| PCB-169 | 47:13 | | | | | | 0.0196 | 0.0196 | | |
| S Total Heptachlorobiphen | | | | | 0.3295 | 0.2899 | 0.0127 | 0.0127 | | RQ |
| D PCB-188L | 37:12 | 367056 | 0.99 | 1.3162 | 16.0 | 16.0 | 0.0210 | 0.0210 | 79.81 | |
| $ PCB-178L | 40:16 | 304164 | 1.10 | 0.9222 | 18.9 | 18.9 | 0.0299 | 0.0299 | 94.39 | |
| * PCB-180L | 45:21 | 349417 | 1.09 | 3.2E+04 | 20.0 | 20.0 | | | | |
| D PCB-170L | 46:36 | 218827 | 1.11 | 0.8357 | 15.0 | 15.0 | 0.0330 | 0.0330 | 74.94 | |
| D PCB-189L | 49:44 | 516758 | 1.05 | 1.4666 | 16.6 | 16.6 | 0.5668 | 0.5668 | 83.12 | |
| PCB-188 | 37:15 | | | | | | 0.009244 | 0.009244 | | |
| PCB-179 | 37:35 | | | | | | 0.0104 | 0.0104 | | |
| PCB-184 | 38:07 | | | | | | 0.0103 | 0.0103 | | |
| PCB-176 | 38:28 | | | | | | 0.009646 | 0.009646 | | |
| PCB-186 | 38:55 | | | | | | 0.0102 | 0.0102 | | |
| PCB-178 | 40:18 | | | | | | 0.0143 | 0.0143 | | |
| PCB-175 | 40:56 | | | | | | 0.0137 | 0.0137 | | |
| PCB-187 | 41:12 | 742 | 1.05 | 1.1106 | 0.0564 | 0.0456 | 0.0132 | 0.0132 | | RQ |
| PCB-182 | 41:25 | | | | | | 0.0128 | 0.0128 | | |
| PCB-183 | 41:56 | 955 | 1.05 | 1.1368 | 0.0653 | 0.0574 | 0.0129 | 0.0129 | | RQM |
| PCB-185 (C183) | 41:56 | 955 | 1.05 | 1.1368 | 0.0653 | 0.0574 | 0.0129 | 0.0129 | | RQM |
| PCB-174 | 42:05 | 472 | 1.19 | 0.9547 | 0.0338 | 0.0338 | 0.0154 | 0.0154 | | M |
| PCB-177 | 42:29 | 379 | 1.05 | 0.9426 | 0.0351 | 0.0275 | 0.0156 | 0.0156 | | RQ |
| PCB-181 | 42:53 | | | | | | 0.0132 | 0.0132 | | |
| PCB-171 | 43:06 | | | | | | 0.0153 | 0.0153 | | |
| PCB-173 (C171) | 43:06 | | | | | | 0.0153 | 0.0153 | | |
| PCB-172 | 44:45 | | | | | | 0.0148 | 0.0148 | | |
| PCB-192 | 45:01 | | | | | | 0.0114 | 0.0114 | | |
| PCB-180 | 45:23 | 1575 | 1.05 | 1.2286 | 0.0875 | 0.0875 | 0.0119 | 0.0119 | | M |
| PCB-193 (C180) | 45:23 | 1575 | 1.05 | 1.2286 | 0.0875 | 0.0875 | 0.0119 | 0.0119 | | M |
| PCB-191 | 45:44 | | | | | | 0.0106 | 0.0106 | | |
| PCB-170 | 46:36 | 381 | 1.05 | 1.2700 | 0.0363 | 0.0274 | 0.0158 | 0.0158 | | RQ |
| PCB-190 | 47:11 | 217 | 1.05 | 1.3774 | 0.0152 | 0.0108 | 0.0107 | 0.0107 | | RQM |
| PCB-189 | 49:46 | | | | | | 0.0160 | 0.0160 | | |
| S Total Octachlorobipheny | | | | | 0.0351 | 0.0241 | 0.0149 | 0.0149 | | RQ |
| D PCB-202L | 42:35 | 317832 | 0.95 | 1.0055 | 18.1 | 18.1 | 0.0218 | 0.0218 | 90.46 | |
| * PCB-194L | 51:50 | 423904 | 0.91 | 3.5E+04 | 20.0 | 20.0 | | | | |
| D PCB-205L | 52:19 | 413101 | 0.91 | 1.2867 | 15.1 | 15.1 | 0.3492 | 0.3492 | 75.74 | |
| PCB-202 | 42:37 | | | | | | 0.0140 | 0.0140 | | |
| PCB-201 | 43:33 | | | | | | 0.0124 | 0.0124 | | |
| PCB-204 | 44:13 | | | | | | 0.0134 | 0.0134 | | |
| PCB-197 | 44:27 | | | | | | 0.0122 | 0.0122 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:33 | | | | | | 0.0131 | 0.0131 | | |
| PCB-198 | 47:20 | 313 | 0.89 | 0.8183 | 0.0351 | 0.0241 | 0.0180 | 0.0180 | | RQ |
| PCB-199 (C198) | 47:20 | 313 | 0.89 | 0.8183 | 0.0351 | 0.0241 | 0.0180 | 0.0180 | | RQ |
| PCB-196 | 48:01 | | | | | | 0.0168 | 0.0168 | | |
| PCB-203 | 48:13 | | | | | | 0.0160 | 0.0160 | | |
| PCB-195 | 49:32 | | | | | | 0.0192 | 0.0192 | | |
| PCB-194 | 51:52 | | | | | | 0.0162 | 0.0162 | | |
| PCB-205 | 52:21 | | | | | | 0.0122 | 0.0122 | | |
| S Total Nonachlorobipheny | | | | | | | 0.0710 | 0.0710 | | |
| D PCB-208L | 49:15 | 370878 | 0.79 | 1.1383 | 15.4 | 15.4 | 0.3288 | 0.3288 | 76.86 | |
| D PCB-206L | 54:04 | 281721 | 0.81 | 0.8938 | 14.9 | 14.9 | 0.4187 | 0.4187 | 74.35 | |
| PCB-208 | 49:18 | | | | | | 0.0553 | 0.0553 | | |
| PCB-207 | 50:14 | | | | | | 0.0522 | 0.0522 | | |
| PCB-206 | 54:06 | | | | | | 0.0710 | 0.0710 | | |
| D PCB-209L | 55:43 | 303743 | 0.73 | 0.9809 | 14.6 | 14.6 | 0.0645 | 0.0645 | 73.05 | |
| DCB Decachlorobiphenyl | 55:45 | | | | | | 0.0208 | 0.0208 | | |
| S Polychlorinated bipheny | | | | | 2.684 | | 0.0318 | 0.0318 | | RQ |
| PCB-8L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |
| PCB-47L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |
| PCB-28L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d
Lims ID: MB 140-33628/12-B
Client ID:
Sample Type: MB
Inject. Date: 03-Oct-2019 14:39:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 04-Oct-2019 01:26:41 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0313

First Level Reviewer: mcwhirterl Date: 04-Oct-2019 01:26:41

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | M |
| 200.0795 | 11:59 | 12:01 | 15 | 0.739 | 362396 | 109824 | 159 | 397 | 691 | | |
| 202.0766 | 11:59 | 12:01 | 15 | 0.739 | 108495 | 34919 | 1049 | 2622 | 33 | 3.34(2.66-3.60) | M |
| PCB-3L | | | | | | | | | | | M |
| 200.0795 | 14:03 | 14:05 | 9 | 0.867 | 407856 | 83531 | 159 | 397 | 525 | | |
| 202.0766 | 14:03 | 14:05 | 9 | 0.867 | 140878 | 27959 | 1049 | 2622 | 27 | 2.90(2.66-3.60) | M |
| PCB-1 | | | | | | | | | | | U |
| 188.0393 | 12:01 | | | | | | 33 | 82 | | | |
| 190.0363 | 12:01 | | | | | | 40 | 100 | | | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:55 | | | | | | 33 | 82 | | | |
| 190.0363 | 13:55 | | | | | | 40 | 100 | | | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:05 | | | | | | 33 | 82 | | | |
| 190.0363 | 14:05 | | | | | | 40 | 100 | | | |
| PCB-4L | | | | | | | | | | | Ma |
| 234.0406 | 14:18 | 14:19 | 9 | 0.882 | 153215 | 33262 | 620 | 1550 | 54 | | M |
| 236.0376 | 14:17 | 14:19 | 8 | 0.881 | 102318 | 19731 | 181 | 452 | 109 | 1.50(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:13 | 16:07 | 6 | | 381446 | 103655 | 620 | 1550 | 167 | | |
| 236.0376 | 16:13 | 16:07 | 6 | | 228476 | 61228 | 181 | 452 | 338 | 1.67(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:08 | | | | | | 620 | 1550 | | | |
| 236.0376 | 17:08 | | | | | | 181 | 452 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:05 | 3 | 1.237 | 304548 | 67019 | 620 | 1550 | 108 | | |
| 236.0376 | 20:04 | 20:05 | 3 | 1.237 | 178250 | 40135 | 181 | 452 | 222 | 1.71(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:20 | | | | | | 92 | 230 | | | |
| 223.9974 | 14:20 | | | | | | 30 | 75 | | | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:30 | | | | | | 92 | 230 | | | |
| 223.9974 | 14:30 | | | | | | 30 | 75 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:19 | | | | | | 92 | 230 | | | |
| 223.9974 | 16:19 | | | | | | 30 | 75 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:29 | | | | | | 92 | 230 | | | |
| 223.9974 | 16:29 | | | | | | 30 | 75 | | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:43 | | | | | | 92 | 230 | | | |
| 223.9974 | 16:43 | | | | | | 30 | 75 | | | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:56 | | | | | | 92 | 230 | | | |
| 223.9974 | 16:56 | | | | | | 30 | 75 | | | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:03 | | | | | | 92 | 230 | | | |
| 223.9974 | 17:03 | | | | | | 30 | 75 | | | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | | | | | | 92 | 230 | | | |
| 223.9974 | 18:37 | | | | | | 30 | 75 | | | |
| PCB-11 | | | | | | | | | | | RQa |
| 222.0003 | 19:32 | 19:29 | 7 | 0.974 | 11285 | 2001 | 92 | 230 | 22 | | a |
| | Empc Correction | | | | 3470 | 552 | 92 | 230 | 6 | | |
| 223.9974 | 19:28 | 19:29 | 3 | 0.970 | 2225 | 354 | 30 | 75 | 12 | 5.07(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:47 | | | | | | 92 | 230 | | | |
| 223.9974 | 19:47 | | | | | | 30 | 75 | | | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:47 | | | | | | 92 | 230 | | | |
| 223.9974 | 19:47 | | | | | | 30 | 75 | | | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:05 | | | | | | 92 | 230 | | | |
| 223.9974 | 20:05 | | | | | | 30 | 75 | | | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:20 | 17:17 | 5 | 0.844 | 98783 | 22504 | 457 | 1142 | 49 | | |
| 269.9986 | 17:20 | 17:17 | 5 | 0.844 | 92197 | 22195 | 378 | 945 | 59 | 1.07(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:29 | 3 | | 233336 | 59648 | 457 | 1142 | 131 | | |
| 269.9986 | 20:32 | 20:29 | 3 | | 198497 | 47893 | 378 | 945 | 127 | 1.18(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:47 | 22:45 | 2 | | 455373 | 107111 | 437 | 1092 | 245 | | |
| 269.9986 | 22:47 | 22:45 | 2 | | 414894 | 93817 | 162 | 405 | 579 | 1.10(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:04 | 23:05 | 1 | 1.013 | 386721 | 89500 | 437 | 1092 | 205 | | |
| 269.9986 | 23:03 | 23:05 | 1 | 1.012 | 358290 | 84799 | 162 | 405 | 523 | 1.08(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:03 | 27:05 | 0 | 1.187 | 302693 | 61738 | 437 | 1092 | 141 | | |
| 269.9986 | 27:03 | 27:05 | 0 | 1.187 | 283614 | 60006 | 162 | 405 | 370 | 1.07(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:22 | | | | | | 26 | 65 | | | |
| 257.9584 | 17:22 | | | | | | 32 | 80 | | | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:12 | | | | | | 26 | 65 | | | |
| 257.9584 | 19:12 | | | | | | 32 | 80 | | | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:12 | | | | | | 26 | 65 | | | |
| 257.9584 | 19:12 | | | | | | 32 | 80 | | | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | | | | | | 26 | 65 | | | |
| 257.9584 | 19:36 | | | | | | 32 | 80 | | | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:51 | | | | | | 26 | 65 | | | |
| 257.9584 | 19:51 | | | | | | 32 | 80 | | | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | | | | | | 26 | 65 | | | |
| 257.9584 | 19:59 | | | | | | 32 | 80 | | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:02 | | | | | | 26 | 65 | | | |
| 257.9584 | 20:02 | | | | | | 32 | 80 | | | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | | | | | | 26 | 65 | | | |
| 257.9584 | 20:34 | | | | | | 32 | 80 | | | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:53 | | | | | | 37 | 92 | | | |
| 257.9584 | 21:53 | | | | | | 33 | 82 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:02 | | | | | | 37 | 92 | | | |
| 257.9584 | 22:02 | | | | | | 33 | 82 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:15 | | | | | | 37 | 92 | | | |
| 257.9584 | 22:15 | | | | | | 33 | 82 | | | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:15 | | | | | | 37 | 92 | | | |
| 257.9584 | 22:15 | | | | | | 33 | 82 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:28 | | | | | | 37 | 92 | | | |
| 257.9584 | 22:28 | | | | | | 33 | 82 | | | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:46 | | | | | | 37 | 92 | | | |
| 257.9584 | 22:46 | | | | | | 33 | 82 | | | |
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:04 | | | | | | 37 | 92 | | | |
| 257.9584 | 23:04 | | | | | | 33 | 82 | | | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:04 | | | | | | 37 | 92 | | | |
| 257.9584 | 23:04 | | | | | | 33 | 82 | | | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:18 | | | | | | 37 | 92 | | | |
| 257.9584 | 23:18 | | | | | | 33 | 82 | | | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:18 | | | | | | 37 | 92 | | | |
| 257.9584 | 23:18 | | | | | | 33 | 82 | | | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:42 | | | | | | 37 | 92 | | | |
| 257.9584 | 23:42 | | | | | | 33 | 82 | | | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:15 | | | | | | 37 | 92 | | | |
| 257.9584 | 25:15 | | | | | | 33 | 82 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:36 | | | | | | 37 | 92 | | | |
| 257.9584 | 25:36 | | | | | | 33 | 82 | | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:11 | | | | | | 37 | 92 | | | |
| 257.9584 | 26:11 | | | | | | 33 | 82 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:39 | | | | | | 37 | 92 | | | |
| 257.9584 | 26:39 | | | | | | 33 | 82 | | | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:03 | | | | | | 37 | 92 | | | |
| 257.9584 | 27:03 | | | | | | 33 | 82 | | | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:20 | 3 | 0.819 | 81952 | 20004 | 102 | 255 | 196 | | |
| 303.9597 | 20:22 | 20:20 | 3 | 0.819 | 95868 | 23572 | 45 | 112 | 524 | 0.85(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:53 | 24:53 | 0 | | 197964 | 48766 | 97 | 242 | 503 | | |
| 303.9597 | 24:53 | 24:53 | 0 | | 255815 | 58254 | 79 | 197 | 737 | 0.77(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:47 | | | | | | 97 | 242 | | | |
| 303.9597 | 32:47 | | | | | | 79 | 197 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:47 | 33:48 | 0 | 1.358 | 191765 | 38204 | 97 | 242 | 394 | | |
| 303.9597 | 33:47 | 33:48 | 0 | 1.358 | 245332 | 47454 | 79 | 197 | 601 | 0.78(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:20 | 34:22 | 0 | 1.380 | 216348 | 40354 | 97 | 242 | 416 | | |
| 303.9597 | 34:20 | 34:22 | 0 | 1.380 | 255591 | 53513 | 79 | 197 | 677 | 0.85(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:21 | | | | | | 7 | 17 | | | |
| 291.9194 | 20:21 | | | | | | 10 | 25 | | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | | | | | | 16 | 40 | | | |
| 291.9194 | 22:34 | | | | | | 11 | 27 | | | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | | | | | | 16 | 40 | | | |
| 291.9194 | 22:34 | | | | | | 11 | 27 | | | |
| PCB-45 | | | | | | | | | | | RQ |
| 289.9224 | 23:16 | 23:16 | 1 | 1.142 | 686 | 204 | 16 | 40 | 13 | | |
| 291.9194 | 23:16 | 23:16 | 1 | 1.143 | 2270 | 204 | 11 | 27 | 19 | 0.30(0.65-0.89) | |
| | Empc Correction | | | | 890 | 264 | 11 | 27 | 24 | | |
| PCB-51 (C45) | | | | | | | | | | | RQ |
| 289.9224 | 23:16 | 23:16 | 1 | 1.142 | 686 | 204 | 16 | 40 | 13 | | |
| 291.9194 | 23:16 | 23:16 | 1 | 1.143 | 2270 | 204 | 11 | 27 | 19 | 0.30(0.65-0.89) | |
| | Empc Correction | | | | 890 | 264 | 11 | 27 | 24 | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:32 | | | | | | 16 | 40 | | | |
| 291.9194 | 23:32 | | | | | | 11 | 27 | | | |
| PCB-52 | | | | | | | | | | | RQa |
| 289.9224 | 24:53 | 24:56 | 0 | 1.222 | 750 | 148 | 16 | 40 | 9 | | a |
| 291.9194 | 24:55 | 24:56 | 1 | 1.224 | 1241 | 245 | 11 | 27 | 22 | 0.60(0.65-0.89) | |
| | Empc Correction | | | | 974 | 192 | 11 | 27 | 17 | | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:06 | | | | | | 16 | 40 | | | |
| 291.9194 | 25:06 | | | | | | 11 | 27 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:06 | | | | | | 16 | 40 | | | |
| 291.9194 | 25:06 | | | | | | 11 | 27 | | | |
| PCB-49 | | | | | | | | | | | RQ |
| 289.9224 | 25:22 | 25:24 | 1 | 1.246 | 1091 | 254 | 16 | 40 | 16 | | |
| | Empc Correction | | | | 665 | 199 | 16 | 40 | 12 | | |
| 291.9194 | 25:25 | 25:24 | 4 | 1.248 | 864 | 259 | 11 | 27 | 24 | 1.26(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | RQ |
| 289.9224 | 25:22 | 25:24 | 1 | 1.246 | 1091 | 254 | 16 | 40 | 16 | | |
| | Empc Correction | | | | 665 | 199 | 16 | 40 | 12 | | |
| 291.9194 | 25:25 | 25:24 | 4 | 1.248 | 864 | 259 | 11 | 27 | 24 | 1.26(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:44 | | | | | | 16 | 40 | | | |
| 291.9194 | 25:44 | | | | | | 11 | 27 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-44 | | | | | | | | | | | RQ |
| 289.9224 | 25:56 | 25:58 | 1 | 1.274 | 2059 | 382 | 16 | 40 | 24 | | |
| | Empc Correction | | | | 1609 | 320 | 16 | 40 | 20 | | |
| 291.9194 | 25:57 | 25:58 | 2 | 1.274 | 2090 | 416 | 11 | 27 | 38 | 0.99(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | RQ |
| 289.9224 | 25:56 | 25:58 | 1 | 1.274 | 2059 | 382 | 16 | 40 | 24 | | |
| | Empc Correction | | | | 1609 | 320 | 16 | 40 | 20 | | |
| 291.9194 | 25:57 | 25:58 | 2 | 1.274 | 2090 | 416 | 11 | 27 | 38 | 0.99(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | RQ |
| 289.9224 | 25:56 | 25:58 | 1 | 1.274 | 2059 | 382 | 16 | 40 | 24 | | |
| | Empc Correction | | | | 1609 | 320 | 16 | 40 | 20 | | |
| 291.9194 | 25:57 | 25:58 | 2 | 1.274 | 2090 | 416 | 11 | 27 | 38 | 0.99(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:16 | | | | | | 16 | 40 | | | |
| 291.9194 | 26:16 | | | | | | 11 | 27 | | | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | | | | | | 16 | 40 | | | |
| 291.9194 | 26:16 | | | | | | 11 | 27 | | | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:16 | | | | | | 16 | 40 | | | |
| 291.9194 | 26:16 | | | | | | 11 | 27 | | | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:26 | | | | | | 16 | 40 | | | |
| 291.9194 | 26:26 | | | | | | 11 | 27 | | | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 26:56 | | | | | | 16 | 40 | | | |
| 291.9194 | 26:56 | | | | | | 11 | 27 | | | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 26:56 | | | | | | 16 | 40 | | | |
| 291.9194 | 26:56 | | | | | | 11 | 27 | | | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 26:56 | | | | | | 16 | 40 | | | |
| 291.9194 | 26:56 | | | | | | 11 | 27 | | | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:08 | | | | | | 16 | 40 | | | |
| 291.9194 | 27:08 | | | | | | 11 | 27 | | | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:57 | | | | | | 16 | 40 | | | |
| 291.9194 | 27:57 | | | | | | 11 | 27 | | | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:16 | | | | | | 16 | 40 | | | |
| 291.9194 | 28:16 | | | | | | 11 | 27 | | | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:40 | | | | | | 16 | 40 | | | |
| 291.9194 | 28:40 | | | | | | 11 | 27 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:54 | | | | | | 16 | 40 | | | |
| 291.9194 | 28:54 | | | | | | 11 | 27 | | | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:04 | | | | | | 16 | 40 | | | |
| 291.9194 | 29:04 | | | | | | 11 | 27 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:20 | | | | | | 16 | 40 | | | |
| 291.9194 | 29:20 | | | | | | 11 | 27 | | | |
| PCB-61 | | | | | | | | | | | M |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1401 | 244 | 16 | 40 | 15 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 1702 | 291 | 11 | 27 | 26 | 0.82(0.65-0.89) | M |
| PCB-70 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1401 | 244 | 16 | 40 | 15 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 1702 | 291 | 11 | 27 | 26 | 0.82(0.65-0.89) | M |
| PCB-74 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1401 | 244 | 16 | 40 | 15 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 1702 | 291 | 11 | 27 | 26 | 0.82(0.65-0.89) | M |
| PCB-76 (C61) | | | | | | | | | | | M |
| 289.9224 | 29:40 | 29:40 | -1 | 0.878 | 1401 | 244 | 16 | 40 | 15 | | |
| 291.9194 | 29:40 | 29:40 | -1 | 0.878 | 1702 | 291 | 11 | 27 | 26 | 0.82(0.65-0.89) | M |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:01 | | | | | | 16 | 40 | | | |
| 291.9194 | 30:01 | | | | | | 11 | 27 | | | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:09 | | | | | | 16 | 40 | | | |
| 291.9194 | 30:09 | | | | | | 11 | 27 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:39 | | | | | | 16 | 40 | | | |
| 291.9194 | 30:39 | | | | | | 11 | 27 | | | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:52 | | | | | | 16 | 40 | | | |
| 291.9194 | 30:52 | | | | | | 11 | 27 | | | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:17 | | | | | | 16 | 40 | | | |
| 291.9194 | 31:17 | | | | | | 11 | 27 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:48 | | | | | | 16 | 40 | | | |
| 291.9194 | 32:48 | | | | | | 11 | 27 | | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:22 | | | | | | 16 | 40 | | | |
| 291.9194 | 33:22 | | | | | | 11 | 27 | | | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:48 | | | | | | 16 | 40 | | | |
| 291.9194 | 33:48 | | | | | | 11 | 27 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:22 | | | | | | 16 | 40 | | | |
| 291.9194 | 34:22 | | | | | | 11 | 27 | | | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:50 | 25:49 | 1 | 0.814 | 221007 | 51222 | 20 | 50 | 2561 | | |
| 339.9178 | 25:50 | 25:49 | 1 | 0.814 | 131358 | 31356 | 31 | 77 | 1011 | 1.68(1.32-1.78) | |
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:47 | | | | | | 20 | 50 | | | |
| 339.9178 | 28:47 | | | | | | 31 | 77 | | | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:43 | 31:43 | 0 | | 203153 | 46406 | 20 | 50 | 2320 | | |
| 339.9178 | 31:43 | 31:43 | 0 | | 137622 | 28994 | 31 | 77 | 935 | 1.48(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:23 | 34:24 | -1 | 1.084 | 237550 | 48579 | 20 | 50 | 2429 | | |
| 339.9178 | 34:23 | 34:24 | -1 | 1.084 | 152196 | 29746 | 31 | 77 | 960 | 1.56(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:21 | 36:22 | -1 | 1.146 | 258955 | 52327 | 293 | 732 | 179 | | |
| 339.9178 | 36:21 | 36:22 | -1 | 1.146 | 162571 | 33064 | 307 | 767 | 108 | 1.59(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:41 | 36:42 | -1 | 1.157 | 270191 | 53584 | 293 | 732 | 183 | | |
| 339.9178 | 36:41 | 36:42 | -1 | 1.157 | 179321 | 36412 | 307 | 767 | 119 | 1.51(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:12 | 37:13 | -1 | 1.173 | 267988 | 54986 | 293 | 732 | 188 | | |
| 339.9178 | 37:12 | 37:13 | -1 | 1.173 | 168258 | 35582 | 307 | 767 | 116 | 1.59(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:51 | 37:51 | -1 | 1.193 | 262159 | 53245 | 293 | 732 | 182 | | |
| 339.9178 | 37:51 | 37:51 | -1 | 1.193 | 167484 | 31106 | 307 | 767 | 101 | 1.57(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:19 | 39:20 | -1 | | 345056 | 70063 | 293 | 732 | 239 | | |
| 339.9178 | 39:19 | 39:20 | -1 | | 212480 | 43469 | 307 | 767 | 142 | 1.62(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:57 | 40:57 | 0 | 1.291 | 250918 | 48931 | 293 | 732 | 167 | | |
| 339.9178 | 40:56 | 40:57 | -1 | 1.291 | 159405 | 32361 | 307 | 767 | 105 | 1.57(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:51 | | | | | | 26 | 65 | | | |
| 327.8775 | 25:51 | | | | | | 21 | 52 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | | | | | | 26 | 65 | | | |
| 327.8775 | 26:14 | | | | | | 21 | 52 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:10 | | | | | | 26 | 65 | | | |
| 327.8775 | 28:10 | | | | | | 21 | 52 | | | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:23 | | | | | | 26 | 65 | | | |
| 327.8775 | 28:23 | | | | | | 21 | 52 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:49 | | | | | | 26 | 65 | | | |
| 327.8775 | 28:49 | | | | | | 21 | 52 | | | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:02 | | | | | | 26 | 65 | | | |
| 327.8775 | 29:02 | | | | | | 21 | 52 | | | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:02 | | | | | | 26 | 65 | | | |
| 327.8775 | 29:02 | | | | | | 21 | 52 | | | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:11 | | | | | | 26 | 65 | | | |
| 327.8775 | 29:11 | | | | | | 21 | 52 | | | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:11 | | | | | | 26 | 65 | | | |
| 327.8775 | 29:11 | | | | | | 21 | 52 | | | |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:41 | | | | | | 26 | 65 | | | |
| 327.8775 | 29:41 | | | | | | 21 | 52 | | | |
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:41 | | | | | | 26 | 65 | | | |
| 327.8775 | 29:41 | | | | | | 21 | 52 | | | |
| PCB-84 | | | | | | | | | | | RQ |
| 325.8804 | 29:53 | 29:54 | -1 | 1.157 | 486 | 165 | 26 | 65 | 6 | | |
| 327.8775 | 29:51 | 29:54 | -3 | 1.155 | 514 | 119 | 21 | 52 | 6 | 0.95(1.32-1.78) | |
| | Empc Correction | | | | 313 | 106 | 21 | 52 | 5 | | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:23 | | | | | | 26 | 65 | | | |
| 327.8775 | 30:23 | | | | | | 21 | 52 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:48 | | | | | | 26 | 65 | | | |
| 327.8775 | 30:48 | | | | | | 21 | 52 | | | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:09 | | | | | | 26 | 65 | | | |
| 327.8775 | 31:09 | | | | | | 21 | 52 | | | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:45 | 0 | 1.228 | 2742 | 547 | 26 | 65 | 21 | | |
| 327.8775 | 31:43 | 31:45 | -1 | 1.228 | 1764 | 342 | 21 | 52 | 16 | 1.55(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:45 | 0 | 1.228 | 2742 | 547 | 26 | 65 | 21 | | |
| 327.8775 | 31:43 | 31:45 | -1 | 1.228 | 1764 | 342 | 21 | 52 | 16 | 1.55(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:44 | 31:45 | 0 | 1.228 | 2742 | 547 | 26 | 65 | 21 | | |
| 327.8775 | 31:43 | 31:45 | -1 | 1.228 | 1764 | 342 | 21 | 52 | 16 | 1.55(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:19 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:19 | | | | | | 21 | 52 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:19 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:19 | | | | | | 21 | 52 | | | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:27 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:27 | | | | | | 21 | 52 | | | |
| PCB-86 | | | | | | | | | | | |
| 325.8804 | 32:50 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:50 | | | | | | 21 | 52 | | | |
| PCB-87 (C86) | | | | | | | | | | | |
| 325.8804 | 32:50 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:50 | | | | | | 21 | 52 | | | |
| PCB-97 (C86) | | | | | | | | | | | |
| 325.8804 | 32:50 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:50 | | | | | | 21 | 52 | | | |
| PCB-109 (C86) | | | | | | | | | | | |
| 325.8804 | 32:50 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:50 | | | | | | 21 | 52 | | | |
| PCB-119 (C86) | | | | | | | | | | | |
| 325.8804 | 32:50 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:50 | | | | | | 21 | 52 | | | |
| PCB-125 (C86) | | | | | | | | | | | |
| 325.8804 | 32:50 | | | | | | 26 | 65 | | | |
| 327.8775 | 32:50 | | | | | | 21 | 52 | | | |
| PCB-85 | | | | | | | | | | | RQMa |
| 325.8804 | 33:42 | 33:42 | 10 | 1.305 | 2307 | 482 | 26 | 65 | 19 | | M |
| 327.8775 | 33:43 | 33:42 | 10 | 1.305 | 1829 | 420 | 21 | 52 | 20 | 1.26(1.32-1.78) | |
| | Empc Correction | | | | 1488 | 310 | 21 | 52 | 15 | | |
| PCB-116 (C85) | | | | | | | | | | | RQMa |
| 325.8804 | 33:42 | 33:42 | 10 | 1.305 | 2307 | 482 | 26 | 65 | 19 | | M |
| 327.8775 | 33:43 | 33:42 | 10 | 1.305 | 1829 | 420 | 21 | 52 | 20 | 1.26(1.32-1.78) | |
| | Empc Correction | | | | 1488 | 310 | 21 | 52 | 15 | | |
| PCB-117 (C85) | | | | | | | | | | | RQMa |
| 325.8804 | 33:42 | 33:42 | 10 | 1.305 | 2307 | 482 | 26 | 65 | 19 | | M |
| 327.8775 | 33:43 | 33:42 | 10 | 1.305 | 1829 | 420 | 21 | 52 | 20 | 1.26(1.32-1.78) | |
| | Empc Correction | | | | 1488 | 310 | 21 | 52 | 15 | | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:42 | | | | | | 26 | 65 | | | |
| 327.8775 | 33:42 | | | | | | 21 | 52 | | | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:42 | | | | | | 26 | 65 | | | |
| 327.8775 | 33:42 | | | | | | 21 | 52 | | | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:02 | | | | | | 26 | 65 | | | |
| 327.8775 | 34:02 | | | | | | 21 | 52 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:27 | | | | | | 26 | 65 | | | |
| 327.8775 | 34:27 | | | | | | 21 | 52 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:53 | | | | | | 26 | 65 | | | |
| 327.8775 | 34:53 | | | | | | 21 | 52 | | | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:03 | | | | | | 46 | 115 | | | |
| 327.8775 | 36:03 | | | | | | 22 | 55 | | | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:03 | | | | | | 46 | 115 | | | |
| 327.8775 | 36:03 | | | | | | 22 | 55 | | | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:15 | | | | | | 46 | 115 | | | |
| 327.8775 | 36:15 | | | | | | 22 | 55 | | | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:22 | | | | | | 46 | 115 | | | |
| 327.8775 | 36:22 | | | | | | 22 | 55 | | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:29 | | | | | | 46 | 115 | | | |
| 327.8775 | 36:29 | | | | | | 22 | 55 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:41 | 36:41 | -1 | 1.000 | 2158 | 363 | 46 | 115 | 8 | | |
| 327.8775 | 36:44 | 36:41 | 1 | 1.001 | 1591 | 202 | 22 | 55 | 9 | 1.36(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:02 | | | | | | 46 | 115 | | | |
| 327.8775 | 37:02 | | | | | | 22 | 55 | | | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:14 | | | | | | 46 | 115 | | | |
| 327.8775 | 37:14 | | | | | | 22 | 55 | | | |
| PCB-105 | | | | | | | | | | | RQ |
| 325.8804 | 37:53 | 37:53 | 0 | 1.001 | 907 | 222 | 46 | 115 | 5 | | |
| | Empc Correction | | | | 499 | 182 | 46 | 115 | 4 | | |
| 327.8775 | 37:52 | 37:53 | -1 | 1.001 | 322 | 118 | 22 | 55 | 5 | 2.82(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:21 | | | | | | 46 | 115 | | | |
| 327.8775 | 39:21 | | | | | | 22 | 55 | | | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:57 | | | | | | 46 | 115 | | | |
| 327.8775 | 40:57 | | | | | | 22 | 55 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:29 | 31:30 | -1 | 0.791 | 194947 | 45034 | 41 | 102 | 1098 | | |
| 373.8788 | 31:30 | 31:30 | 0 | 0.792 | 145807 | 33062 | 6 | 15 | 5510 | 1.34(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:35 | | | | | | 111 | 277 | | | |
| 373.8788 | 38:35 | | | | | | 152 | 380 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:47 | 39:48 | -1 | | 220173 | 42864 | 111 | 277 | 386 | | |
| 373.8788 | 39:47 | 39:48 | -1 | | 178380 | 36387 | 152 | 380 | 239 | 1.23(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:48 | 42:49 | -1 | 1.076 | 221188 | 43523 | 111 | 277 | 392 | | |
| 373.8788 | 42:48 | 42:49 | -1 | 1.076 | 176601 | 35254 | 152 | 380 | 232 | 1.25(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:57 | -1 | 1.105 | 449579 | 63122 | 111 | 277 | 569 | | |
| 373.8788 | 43:58 | 43:57 | 0 | 1.105 | 357600 | 52229 | 152 | 380 | 344 | 1.26(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:57 | -1 | 1.105 | 449579 | 63122 | 111 | 277 | 569 | | |
| 373.8788 | 43:58 | 43:57 | 0 | 1.105 | 357600 | 52229 | 152 | 380 | 344 | 1.26(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:11 | 47:12 | -1 | 1.186 | 221098 | 39336 | 111 | 277 | 354 | | |
| 373.8788 | 47:12 | 47:12 | -1 | 1.186 | 176434 | 33933 | 152 | 380 | 223 | 1.25(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:31 | | | | | | 12 | 30 | | | |
| 361.8385 | 31:31 | | | | | | 10 | 25 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:42 | | | | | | 12 | 30 | | | |
| 361.8385 | 31:42 | | | | | | 10 | 25 | | | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | | | | | | 12 | 30 | | | |
| 361.8385 | 31:53 | | | | | | 10 | 25 | | | |
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:13 | 32:13 | 0 | 1.023 | 430 | 101 | 12 | 30 | 8 | | |
| 361.8385 | 32:13 | 32:13 | 0 | 1.023 | 303 | 76 | 10 | 25 | 8 | 1.42(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:31 | | | | | | 12 | 30 | | | |
| 361.8385 | 32:31 | | | | | | 10 | 25 | | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:03 | | | | | | 12 | 30 | | | |
| 361.8385 | 34:03 | | | | | | 10 | 25 | | | |
| PCB-135 | | | | | | | | | | | RQ |
| 359.8415 | 34:40 | 34:38 | 2 | 1.101 | 402 | 80 | 12 | 30 | 7 | | |
| 361.8385 | 34:39 | 34:38 | 0 | 1.100 | 442 | 71 | 10 | 25 | 7 | 0.91(1.05-1.43) | |
| | Empc Correction | | | | 324 | 64 | 10 | 25 | 6 | | |
| PCB-151 (C135) | | | | | | | | | | | RQ |
| 359.8415 | 34:40 | 34:38 | 2 | 1.101 | 402 | 80 | 12 | 30 | 7 | | |
| 361.8385 | 34:39 | 34:38 | 0 | 1.100 | 442 | 71 | 10 | 25 | 7 | 0.91(1.05-1.43) | |
| | Empc Correction | | | | 324 | 64 | 10 | 25 | 6 | | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:53 | | | | | | 12 | 30 | | | |
| 361.8385 | 34:53 | | | | | | 10 | 25 | | | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:12 | | | | | | 12 | 30 | | | |
| 361.8385 | 35:12 | | | | | | 10 | 25 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-147 | | | | | | | | | | | RQ |
| 359.8415 | 35:34 | 35:33 | 0 | 1.130 | 1289 | 314 | 18 | 45 | 17 | | |
| | Empc Correction | | | | 969 | 192 | 18 | 45 | 11 | | |
| 361.8385 | 35:32 | 35:33 | -2 | 1.129 | 782 | 155 | 19 | 47 | 8 | 1.65(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | RQ |
| 359.8415 | 35:34 | 35:33 | 0 | 1.130 | 1289 | 314 | 18 | 45 | 17 | | |
| | Empc Correction | | | | 969 | 192 | 18 | 45 | 11 | | |
| 361.8385 | 35:32 | 35:33 | -2 | 1.129 | 782 | 155 | 19 | 47 | 8 | 1.65(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:45 | | | | | | 18 | 45 | | | |
| 361.8385 | 35:45 | | | | | | 19 | 47 | | | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:45 | | | | | | 18 | 45 | | | |
| 361.8385 | 35:45 | | | | | | 19 | 47 | | | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:09 | | | | | | 18 | 45 | | | |
| 361.8385 | 36:09 | | | | | | 19 | 47 | | | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:09 | | | | | | 18 | 45 | | | |
| 361.8385 | 36:09 | | | | | | 19 | 47 | | | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:21 | | | | | | 18 | 45 | | | |
| 361.8385 | 36:21 | | | | | | 19 | 47 | | | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:31 | | | | | | 18 | 45 | | | |
| 361.8385 | 36:31 | | | | | | 19 | 47 | | | |
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:49 | | | | | | 18 | 45 | | | |
| 361.8385 | 36:49 | | | | | | 19 | 47 | | | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:19 | | | | | | 18 | 45 | | | |
| 361.8385 | 37:19 | | | | | | 19 | 47 | | | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:43 | | | | | | 18 | 45 | | | |
| 361.8385 | 37:43 | | | | | | 19 | 47 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:56 | 37:59 | -3 | 0.886 | 450 | 109 | 18 | 45 | 6 | | |
| 361.8385 | 37:59 | 37:59 | 0 | 0.888 | 390 | 145 | 19 | 47 | 8 | 1.15(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:07 | | | | | | 18 | 45 | | | |
| 361.8385 | 38:07 | | | | | | 19 | 47 | | | |
| PCB-153 | | | | | | | | | | | RQ |
| 359.8415 | 38:34 | 38:37 | -3 | 0.901 | 1627 | 376 | 18 | 45 | 21 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.902 | 1593 | 329 | 19 | 47 | 17 | 1.02(1.05-1.43) | |
| | Empc Correction | | | | 1312 | 303 | 19 | 47 | 16 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-168 (C153) | | | | | | | | | | | RQ |
| 359.8415 | 38:34 | 38:37 | -3 | 0.901 | 1627 | 376 | 18 | 45 | 21 | | |
| 361.8385 | 38:36 | 38:37 | -2 | 0.902 | 1593 | 329 | 19 | 47 | 17 | 1.02(1.05-1.43) | |
| | Empc Correction | | | | 1312 | 303 | 19 | 47 | 16 | | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:47 | | | | | | 18 | 45 | | | |
| 361.8385 | 38:47 | | | | | | 19 | 47 | | | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:11 | | | | | | 18 | 45 | | | |
| 361.8385 | 39:11 | | | | | | 19 | 47 | | | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:24 | | | | | | 18 | 45 | | | |
| 361.8385 | 39:24 | | | | | | 19 | 47 | | | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:31 | | | | | | 18 | 45 | | | |
| 361.8385 | 39:31 | | | | | | 19 | 47 | | | |
| PCB-129 | | | | | | | | | | | RQMa |
| 359.8415 | 39:49 | 39:49 | -2 | 0.930 | 1996 | 335 | 18 | 45 | 19 | | M |
| 361.8385 | 39:51 | 39:49 | 1 | 0.931 | 2313 | 358 | 19 | 47 | 19 | 0.86(1.05-1.43) | |
| | Empc Correction | | | | 1609 | 270 | 19 | 47 | 14 | | |
| PCB-138 (C129) | | | | | | | | | | | RQMa |
| 359.8415 | 39:49 | 39:49 | -2 | 0.930 | 1996 | 335 | 18 | 45 | 19 | | M |
| 361.8385 | 39:51 | 39:49 | 1 | 0.931 | 2313 | 358 | 19 | 47 | 19 | 0.86(1.05-1.43) | |
| | Empc Correction | | | | 1609 | 270 | 19 | 47 | 14 | | |
| PCB-160 (C129) | | | | | | | | | | | RQMa |
| 359.8415 | 39:49 | 39:49 | -2 | 0.930 | 1996 | 335 | 18 | 45 | 19 | | M |
| 361.8385 | 39:51 | 39:49 | 1 | 0.931 | 2313 | 358 | 19 | 47 | 19 | 0.86(1.05-1.43) | |
| | Empc Correction | | | | 1609 | 270 | 19 | 47 | 14 | | |
| PCB-163 (C129) | | | | | | | | | | | RQMa |
| 359.8415 | 39:49 | 39:49 | -2 | 0.930 | 1996 | 335 | 18 | 45 | 19 | | M |
| 361.8385 | 39:51 | 39:49 | 1 | 0.931 | 2313 | 358 | 19 | 47 | 19 | 0.86(1.05-1.43) | |
| | Empc Correction | | | | 1609 | 270 | 19 | 47 | 14 | | |
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:13 | | | | | | 18 | 45 | | | |
| 361.8385 | 40:13 | | | | | | 19 | 47 | | | |
| PCB-128 | | | | | | | | | | | RQ |
| 359.8415 | 41:03 | 41:06 | -2 | 0.959 | 484 | 120 | 18 | 45 | 7 | | |
| 361.8385 | 41:01 | 41:06 | -3 | 0.958 | 492 | 96 | 19 | 47 | 5 | 0.98(1.05-1.43) | |
| | Empc Correction | | | | 390 | 96 | 19 | 47 | 5 | | |
| PCB-166 (C128) | | | | | | | | | | | RQ |
| 359.8415 | 41:03 | 41:06 | -2 | 0.959 | 484 | 120 | 18 | 45 | 7 | | |
| 361.8385 | 41:01 | 41:06 | -3 | 0.958 | 492 | 96 | 19 | 47 | 5 | 0.98(1.05-1.43) | |
| | Empc Correction | | | | 390 | 96 | 19 | 47 | 5 | | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:02 | | | | | | 18 | 45 | | | |
| 361.8385 | 42:02 | | | | | | 19 | 47 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:21 | | | | | | 18 | 45 | | | |
| 361.8385 | 42:21 | | | | | | 19 | 47 | | | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:50 | | | | | | 18 | 45 | | | |
| 361.8385 | 42:50 | | | | | | 19 | 47 | | | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:59 | | | | | | 18 | 45 | | | |
| 361.8385 | 43:59 | | | | | | 19 | 47 | | | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:59 | | | | | | 18 | 45 | | | |
| 361.8385 | 43:59 | | | | | | 19 | 47 | | | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:12 | | | | | | 18 | 45 | | | |
| 361.8385 | 47:12 | | | | | | 19 | 47 | | | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:12 | 37:13 | -2 | 0.820 | 183030 | 35816 | 35 | 87 | 1023 | | |
| 407.8398 | 37:12 | 37:13 | -2 | 0.820 | 184026 | 36868 | 4 | 10 | 9217 | 0.99(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:16 | 40:15 | -1 | 0.888 | 159270 | 29512 | 35 | 87 | 843 | | |
| 407.8398 | 40:16 | 40:15 | -1 | 0.888 | 144894 | 29190 | 4 | 10 | 7298 | 1.10(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:21 | 45:22 | -1 | | 182019 | 36891 | 35 | 87 | 1054 | | |
| 407.8398 | 45:22 | 45:22 | -1 | | 167398 | 33431 | 4 | 10 | 8358 | 1.09(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:36 | 46:36 | -1 | 1.028 | 115235 | 22050 | 35 | 87 | 630 | | |
| 407.8398 | 46:36 | 46:36 | -1 | 1.027 | 103592 | 19765 | 4 | 10 | 4941 | 1.11(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:44 | 49:43 | -1 | 1.097 | 265263 | 52213 | 876 | 2190 | 60 | | |
| 407.8398 | 49:43 | 49:43 | -1 | 1.096 | 251495 | 47482 | 439 | 1097 | 108 | 1.05(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:13 | | | | | | 10 | 25 | | | |
| 395.7995 | 37:13 | | | | | | 7 | 17 | | | |
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:34 | | | | | | 10 | 25 | | | |
| 395.7995 | 37:34 | | | | | | 7 | 17 | | | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:06 | | | | | | 10 | 25 | | | |
| 395.7995 | 38:06 | | | | | | 7 | 17 | | | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:26 | | | | | | 10 | 25 | | | |
| 395.7995 | 38:26 | | | | | | 7 | 17 | | | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:53 | | | | | | 10 | 25 | | | |
| 395.7995 | 38:53 | | | | | | 7 | 17 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:17 | | | | | | 10 | 25 | | | |
| 395.7995 | 40:17 | | | | | | 7 | 17 | | | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:54 | | | | | | 10 | 25 | | | |
| 395.7995 | 40:54 | | | | | | 7 | 17 | | | |
| PCB-187 | | | | | | | | | | | RQ |
| 393.8025 | 41:12 | 41:11 | 0 | 1.108 | 555 | 164 | 10 | 25 | 16 | | |
| | Empc Correction | | | | 380 | 123 | 10 | 25 | 12 | | |
| 395.7995 | 41:11 | 41:11 | -1 | 1.107 | 362 | 118 | 7 | 17 | 17 | 1.53(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:23 | | | | | | 10 | 25 | | | |
| 395.7995 | 41:23 | | | | | | 7 | 17 | | | |
| PCB-183 | | | | | | | | | | | RQM |
| 393.8025 | 41:56 | 41:47 | 7 | 1.127 | 621 | 122 | 10 | 25 | 12 | | M |
| | Empc Correction | | | | 489 | 77 | 10 | 25 | 8 | | |
| 395.7995 | 41:50 | 41:47 | 1 | 1.124 | 466 | 74 | 7 | 17 | 11 | 1.33(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | RQM |
| 393.8025 | 41:56 | 41:47 | 7 | 1.127 | 621 | 122 | 10 | 25 | 12 | | M |
| | Empc Correction | | | | 489 | 77 | 10 | 25 | 8 | | |
| 395.7995 | 41:50 | 41:47 | 1 | 1.124 | 466 | 74 | 7 | 17 | 11 | 1.33(0.89-1.21) | M |
| PCB-174 | | | | | | | | | | | M |
| 393.8025 | 42:05 | 42:02 | 2 | 1.131 | 256 | 86 | 10 | 25 | 9 | | M |
| 395.7995 | 42:03 | 42:02 | 0 | 1.130 | 216 | 46 | 7 | 17 | 7 | 1.19(0.89-1.21) | M |
| PCB-177 | | | | | | | | | | | RQ |
| 393.8025 | 42:29 | 42:27 | 0 | 1.142 | 299 | 85 | 10 | 25 | 9 | | |
| | Empc Correction | | | | 194 | 50 | 10 | 25 | 5 | | |
| 395.7995 | 42:28 | 42:27 | -1 | 1.142 | 185 | 48 | 7 | 17 | 7 | 1.62(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:53 | | | | | | 10 | 25 | | | |
| 395.7995 | 42:53 | | | | | | 7 | 17 | | | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:08 | | | | | | 10 | 25 | | | |
| 395.7995 | 43:08 | | | | | | 7 | 17 | | | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:08 | | | | | | 10 | 25 | | | |
| 395.7995 | 43:08 | | | | | | 7 | 17 | | | |
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:44 | | | | | | 10 | 25 | | | |
| 395.7995 | 44:44 | | | | | | 7 | 17 | | | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:01 | | | | | | 10 | 25 | | | |
| 395.7995 | 45:01 | | | | | | 7 | 17 | | | |
| PCB-180 | | | | | | | | | | | M |
| 393.8025 | 45:23 | 45:20 | 2 | 0.913 | 805 | 264 | 10 | 25 | 26 | | M |
| 395.7995 | 45:23 | 45:20 | 2 | 0.913 | 770 | 199 | 7 | 17 | 28 | 1.05(0.89-1.21) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-193 (C180) | | | | | | | | | | | M |
| 393.8025 | 45:23 | 45:20 | 2 | 0.913 | 805 | 264 | 10 | 25 | 26 | | M |
| 395.7995 | 45:23 | 45:20 | 2 | 0.913 | 770 | 199 | 7 | 17 | 28 | 1.05(0.89-1.21) | M |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:44 | | | | | | 10 | 25 | | | |
| 395.7995 | 45:44 | | | | | | 7 | 17 | | | |
| PCB-170 | | | | | | | | | | | RQ |
| 393.8025 | 46:36 | 46:38 | -3 | 0.937 | 319 | 98 | 10 | 25 | 10 | | |
| | Empc Correction | | | | 195 | 52 | 10 | 25 | 5 | | |
| 395.7995 | 46:40 | 46:38 | 2 | 0.939 | 186 | 50 | 7 | 17 | 7 | 1.72(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | RQM |
| 393.8025 | 47:11 | 47:09 | 1 | 0.949 | 200 | 57 | 10 | 25 | 6 | | M |
| | Empc Correction | | | | 111 | 38 | 10 | 25 | 4 | | |
| 395.7995 | 47:08 | 47:09 | -2 | 0.948 | 106 | 37 | 7 | 17 | 5 | 1.89(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:45 | | | | | | 24 | 60 | | | |
| 395.7995 | 49:45 | | | | | | 17 | 42 | | | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:35 | 42:35 | -1 | 0.821 | 154851 | 31246 | 4 | 10 | 7812 | | |
| 441.8008 | 42:35 | 42:35 | -1 | 0.821 | 162981 | 32533 | 27 | 67 | 1205 | 0.95(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:50 | 51:51 | -1 | | 201944 | 37549 | 348 | 870 | 108 | | |
| 441.8008 | 51:50 | 51:51 | -1 | | 221960 | 41539 | 363 | 907 | 114 | 0.91(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:19 | 52:19 | -1 | 1.009 | 197294 | 36215 | 348 | 870 | 104 | | |
| 441.8008 | 52:19 | 52:19 | -1 | 1.009 | 215807 | 43645 | 363 | 907 | 120 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:36 | | | | | | 12 | 30 | | | |
| 429.7606 | 42:36 | | | | | | 7 | 17 | | | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:31 | | | | | | 12 | 30 | | | |
| 429.7606 | 43:31 | | | | | | 7 | 17 | | | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:14 | | | | | | 12 | 30 | | | |
| 429.7606 | 44:14 | | | | | | 7 | 17 | | | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:25 | | | | | | 12 | 30 | | | |
| 429.7606 | 44:25 | | | | | | 7 | 17 | | | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:29 | | | | | | 12 | 30 | | | |
| 429.7606 | 44:29 | | | | | | 7 | 17 | | | |
| PCB-198 | | | | | | | | | | | RQ |
| 427.7635 | 47:20 | 47:22 | 0 | 1.112 | 290 | 57 | 12 | 30 | 5 | | |
| | Empc Correction | | | | 147 | 34 | 12 | 30 | 3 | | |
| 429.7606 | 47:23 | 47:22 | 3 | 1.113 | 166 | 39 | 7 | 17 | 6 | 1.75(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-199 (C198) | | | | | | | | | | | RQ |
| 427.7635 | 47:20 | 47:22 | 0 | 1.112 | 290 | 57 | 12 | 30 | 5 | | |
| | Empc Correction | | | | 147 | 34 | 12 | 30 | 3 | | |
| 429.7606 | 47:23 | 47:22 | 3 | 1.113 | 166 | 39 | 7 | 17 | 6 | 1.75(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:00 | | | | | | 12 | 30 | | | |
| 429.7606 | 48:00 | | | | | | 7 | 17 | | | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:12 | | | | | | 12 | 30 | | | |
| 429.7606 | 48:12 | | | | | | 7 | 17 | | | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:31 | | | | | | 15 | 37 | | | |
| 429.7606 | 49:31 | | | | | | 9 | 22 | | | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:52 | | | | | | 15 | 37 | | | |
| 429.7606 | 51:52 | | | | | | 9 | 22 | | | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:20 | | | | | | 15 | 37 | | | |
| 429.7606 | 52:20 | | | | | | 9 | 22 | | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:15 | 49:16 | -1 | 0.950 | 163895 | 31099 | 264 | 660 | 118 | | |
| 475.7619 | 49:16 | 49:16 | -1 | 0.950 | 206983 | 39864 | 328 | 820 | 122 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:04 | 54:04 | -1 | 1.043 | 126501 | 24100 | 264 | 660 | 91 | | |
| 475.7619 | 54:04 | 54:04 | -1 | 1.043 | 155220 | 29484 | 328 | 820 | 90 | 0.81(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:17 | | | | | | 13 | 32 | | | |
| 463.7216 | 49:17 | | | | | | 78 | 195 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:13 | | | | | | 13 | 32 | | | |
| 463.7216 | 50:13 | | | | | | 78 | 195 | | | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:03 | | | | | | 13 | 32 | | | |
| 463.7216 | 54:03 | | | | | | 78 | 195 | | | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:43 | 55:43 | -1 | 1.075 | 127666 | 23010 | 62 | 155 | 371 | | |
| 509.7229 | 55:43 | 55:43 | -1 | 1.075 | 176077 | 32524 | 38 | 95 | 856 | 0.73(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:44 | | | | | | 12 | 30 | | | |
| 497.6826 | 55:44 | | | | | | 17 | 42 | | | |
| PCB-8L (PRC) | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | |
| PCB-47L (PRC) | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | |
| PCB-28L (PRC) | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

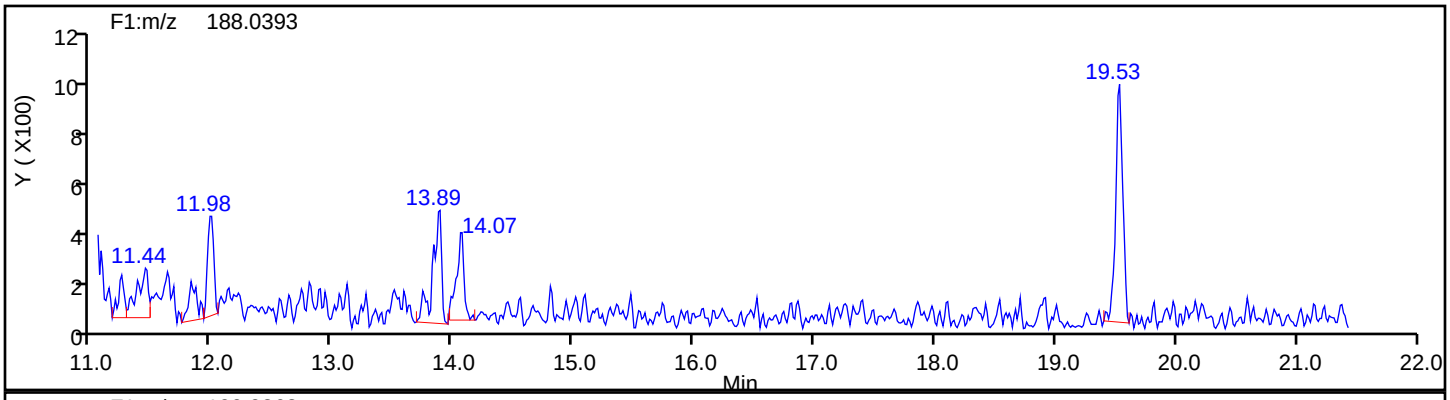
U - Marked Undetected

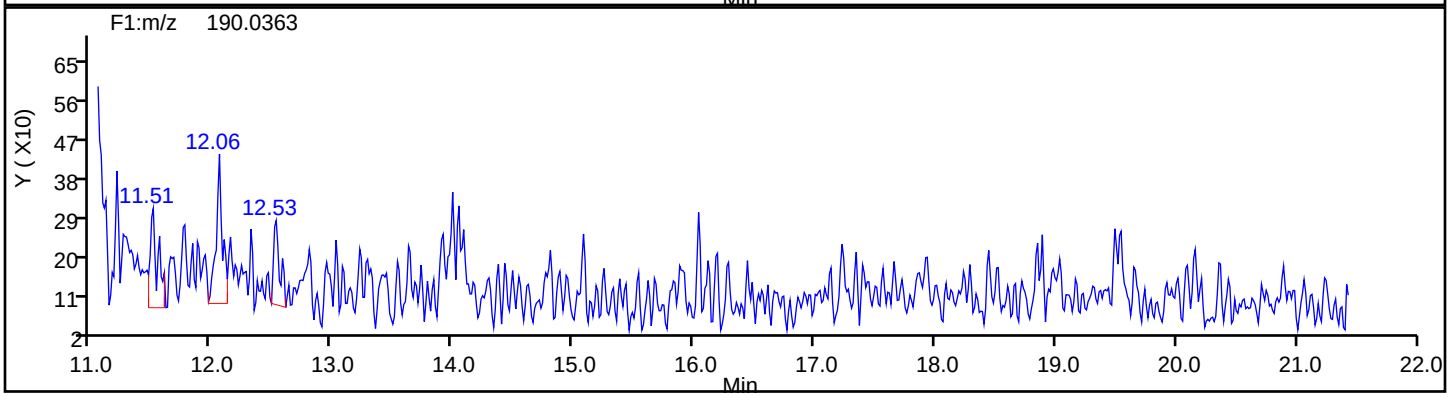
a - User Assigned ID

Eurofins TestAmerica, Knoxville

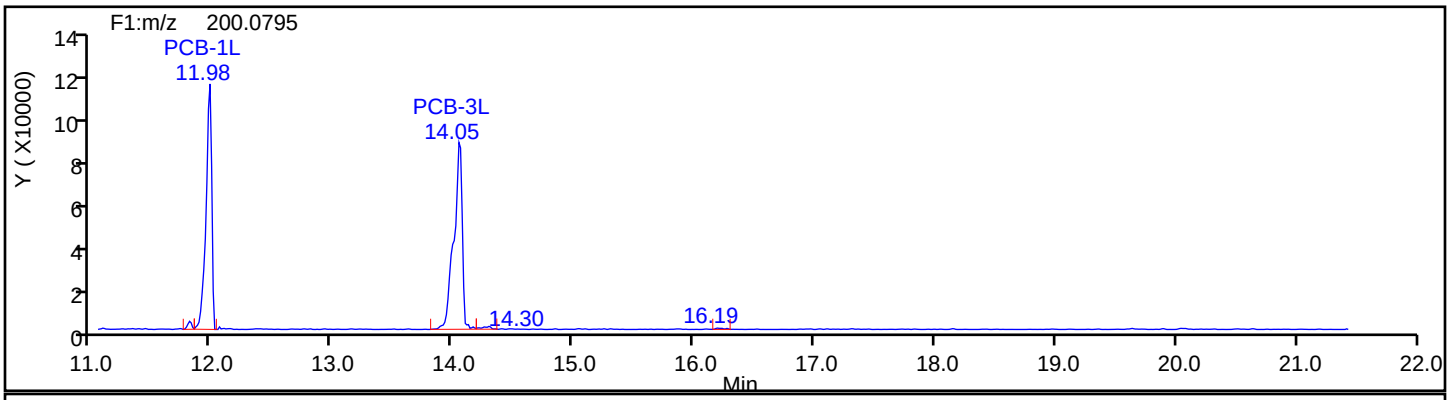
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

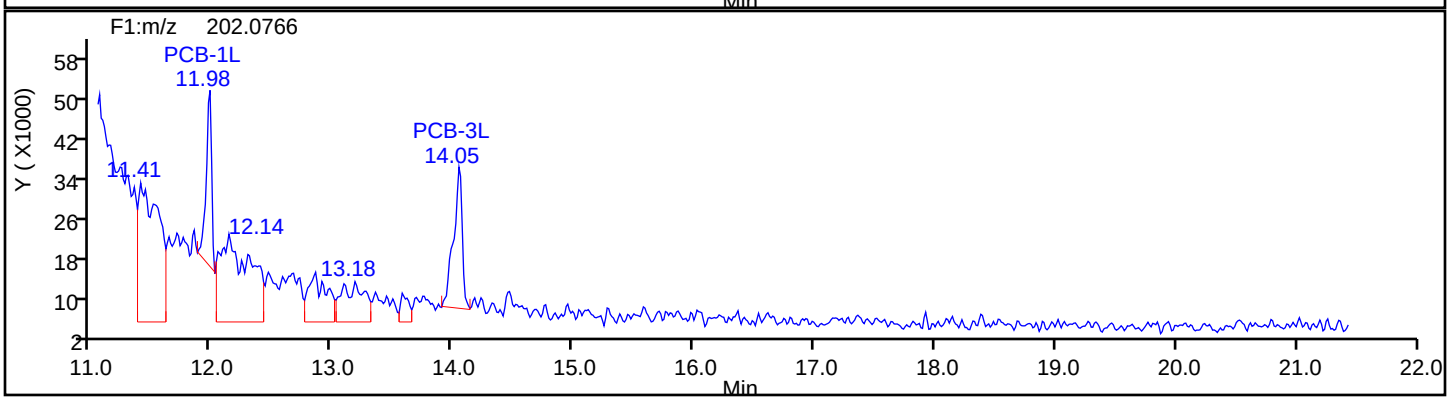
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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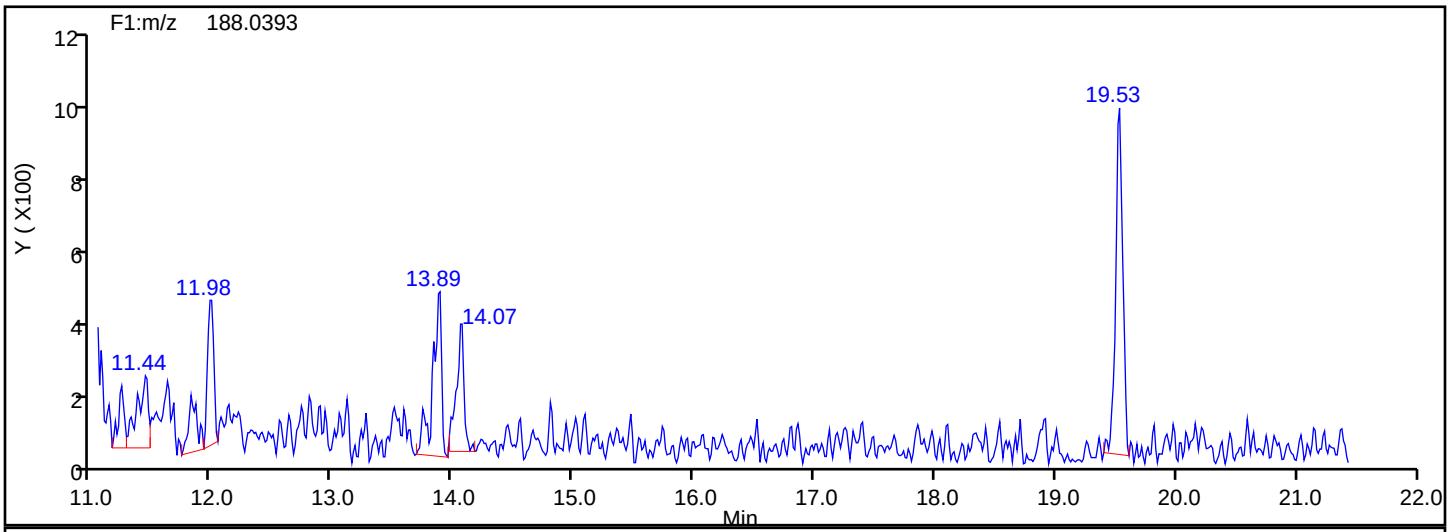
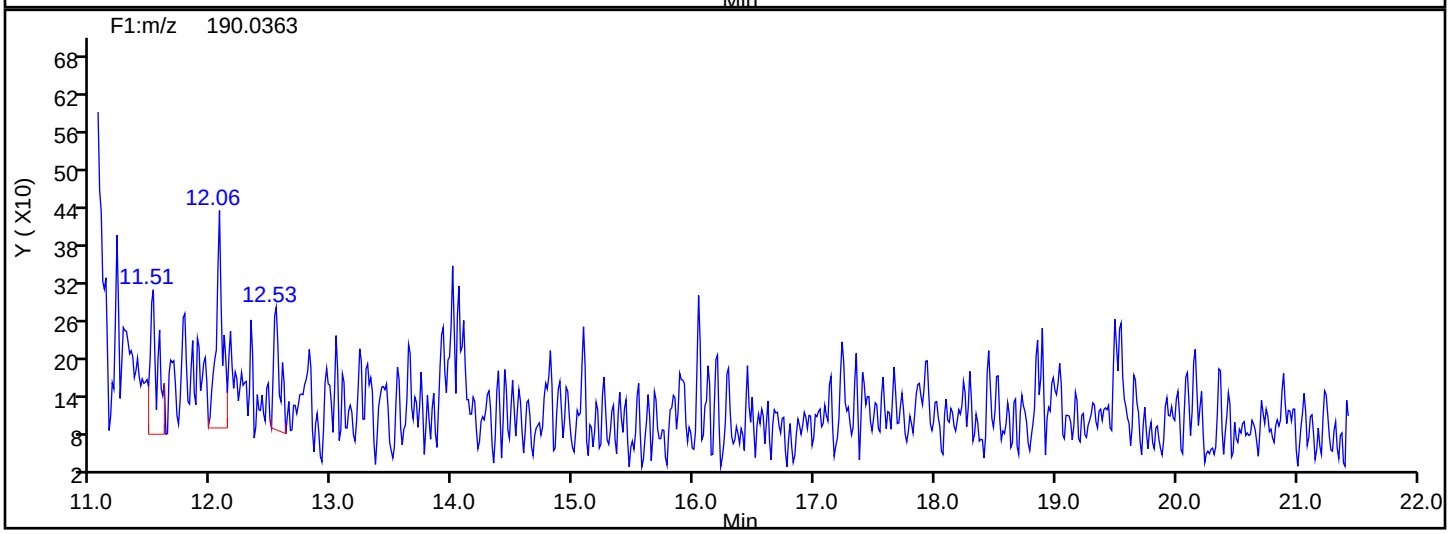
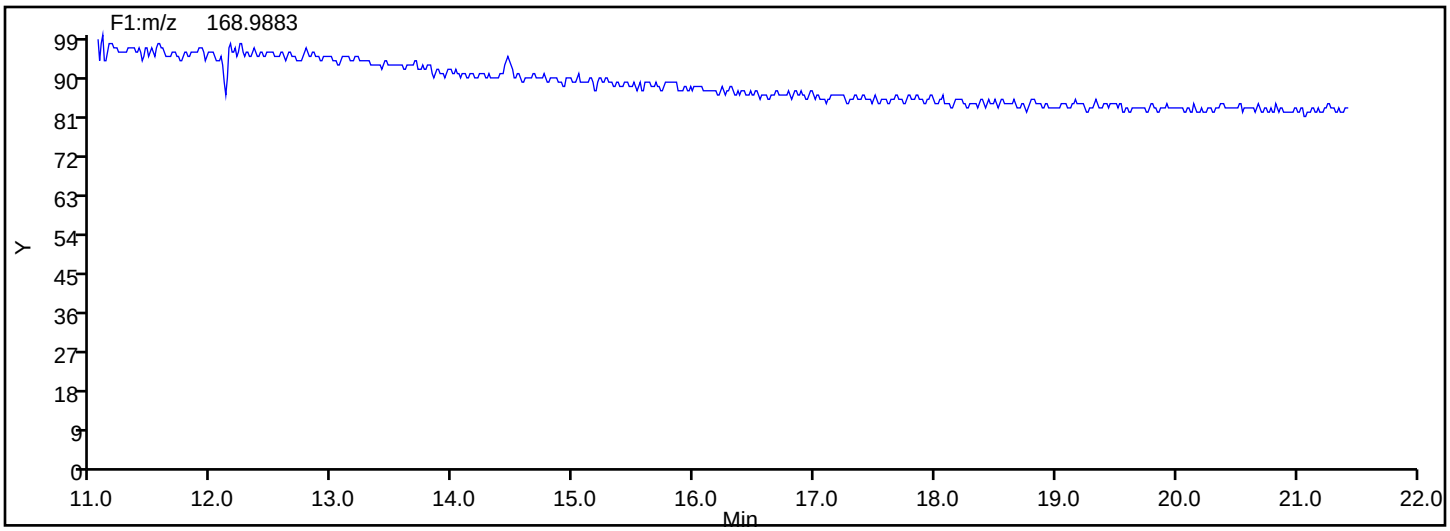
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

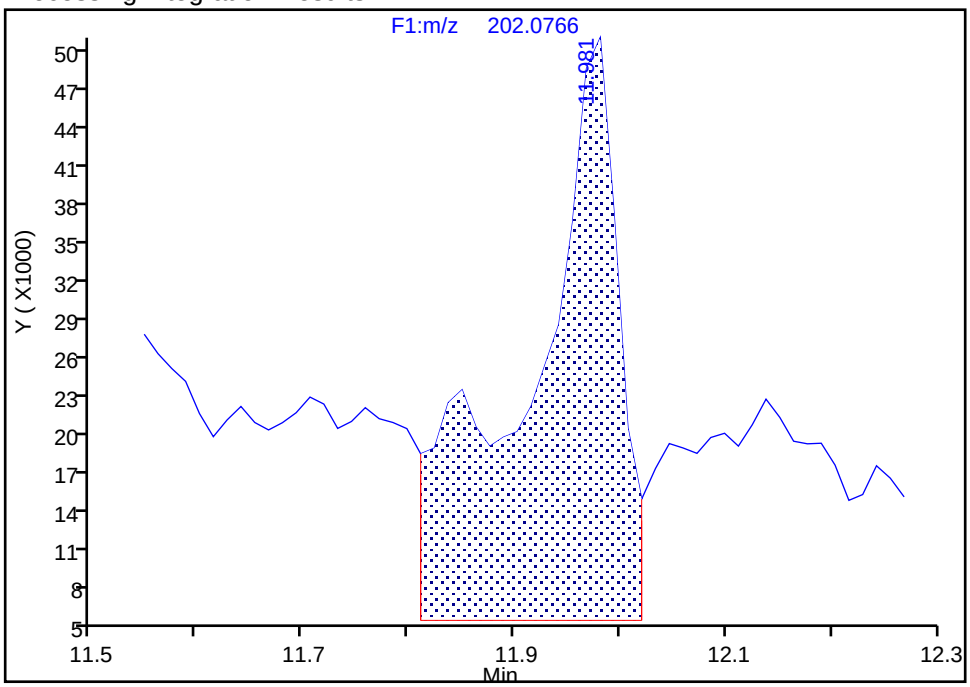
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 2

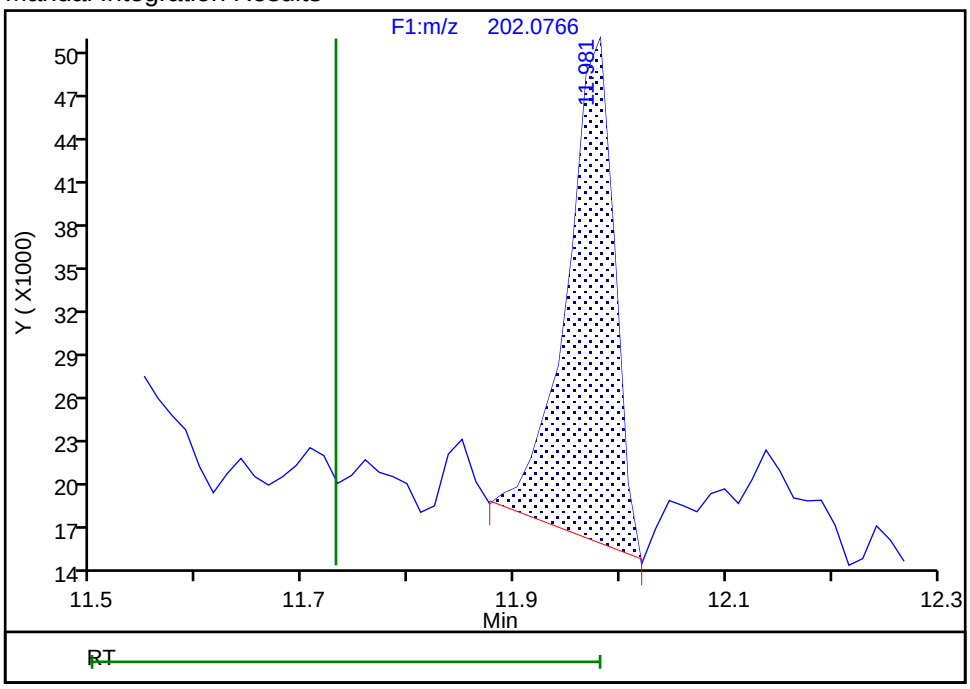
Processing Integration Results

RT: 11.98
Area: 272006
Amount: 15.831296
Amount Units: pg/ul




Manual Integration Results

RT: 11.98
Area: 108495
Amount: 11.750932
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:03:42

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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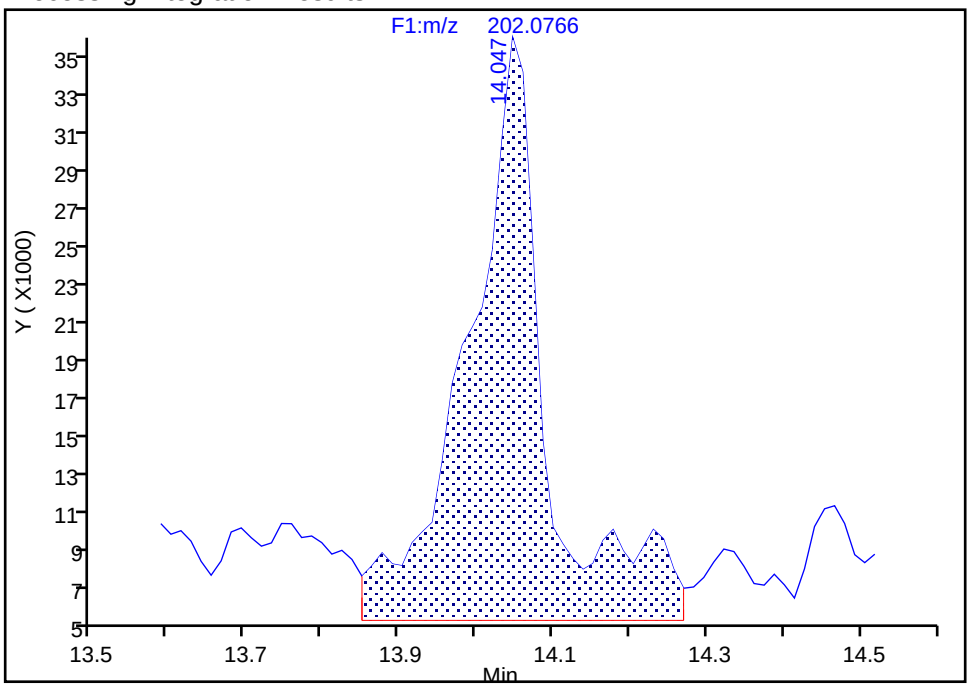
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 2

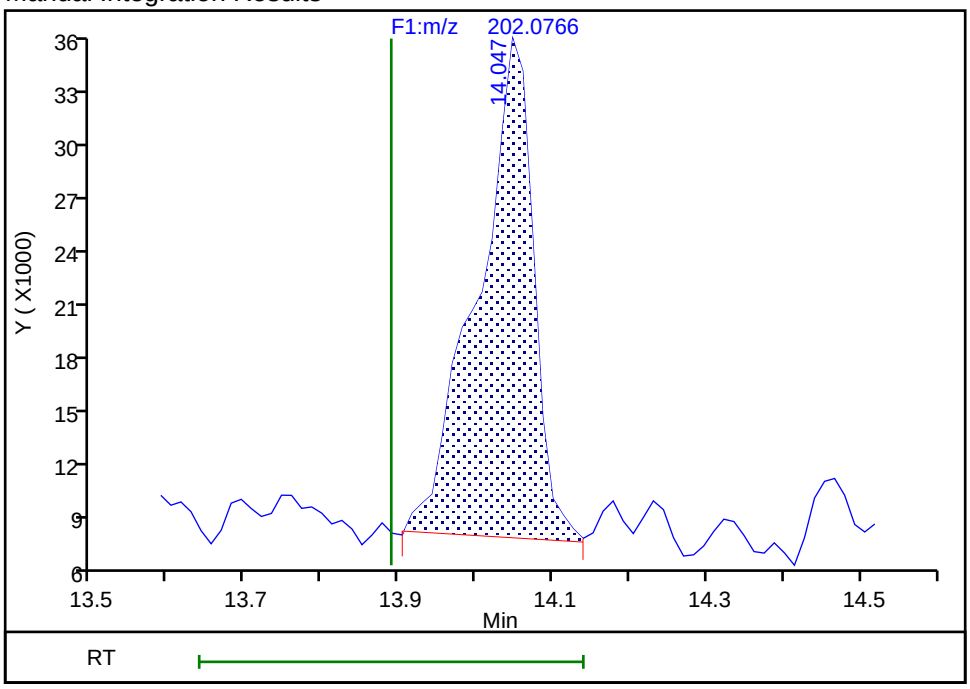
Processing Integration Results

RT: 14.05
Area: 218152
Amount: 15.076813
Amount Units: pg/ul




Manual Integration Results

RT: 14.05
Area: 140878
Amount: 13.215742
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:03:51

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

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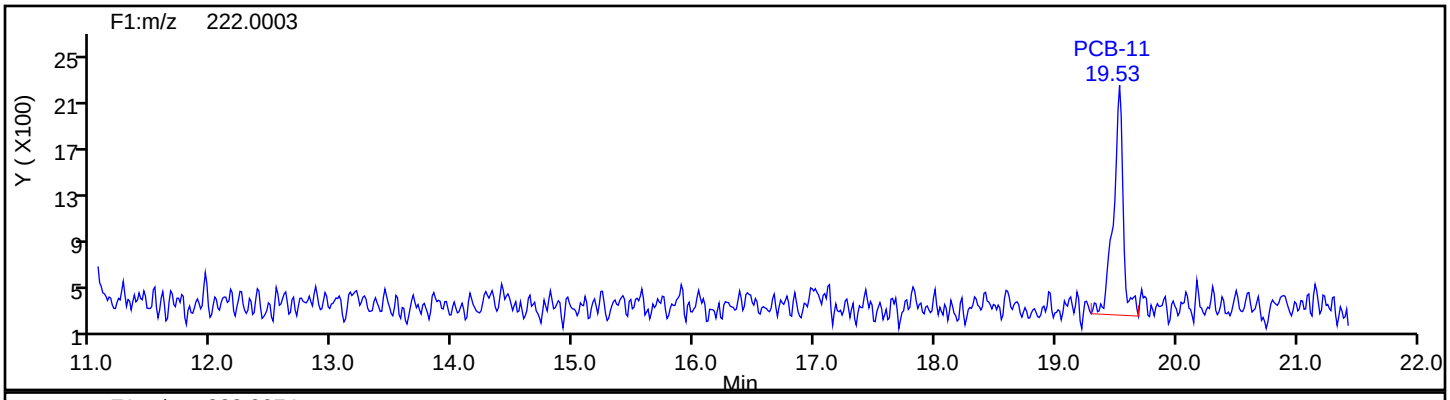
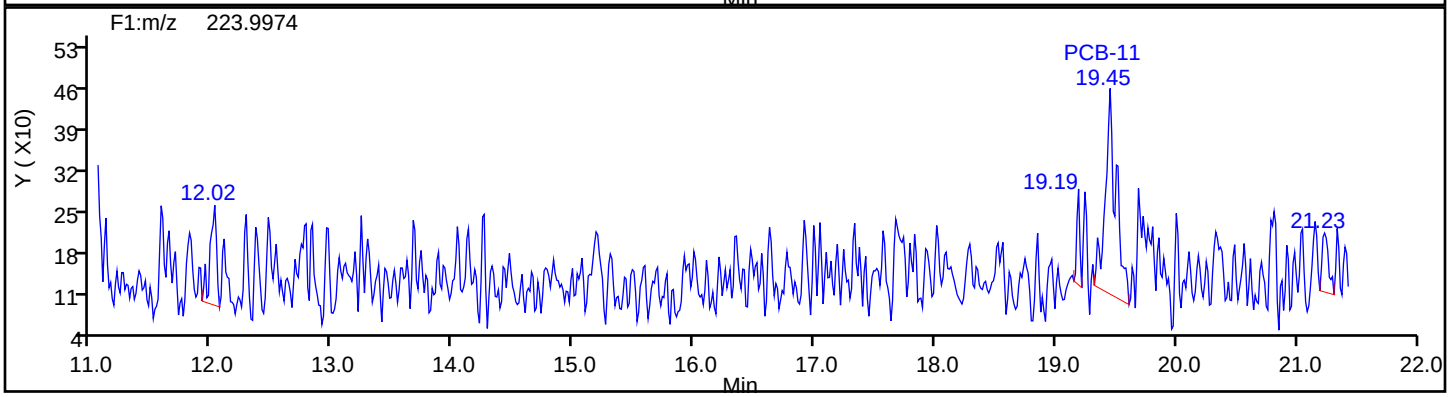
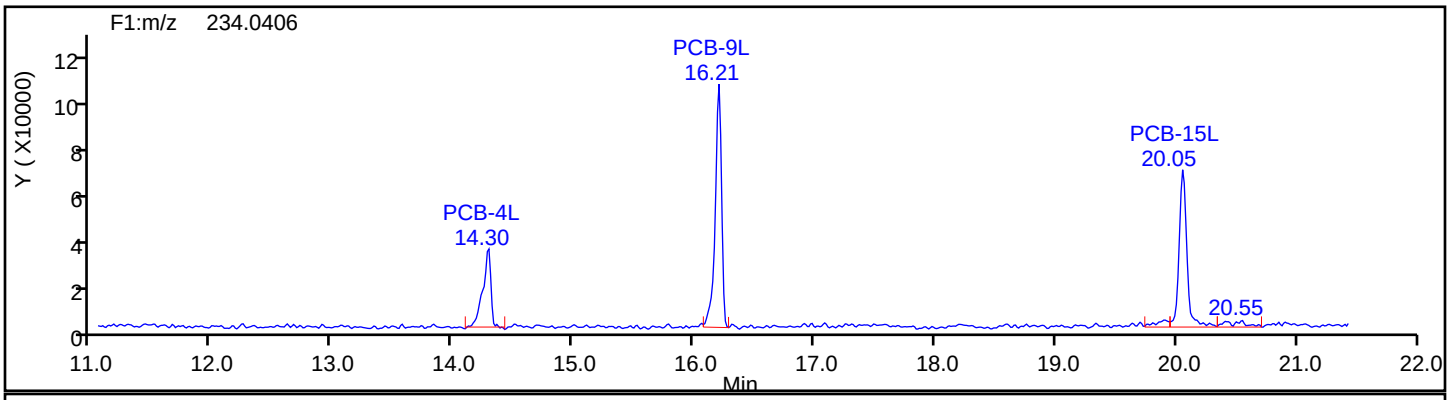
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

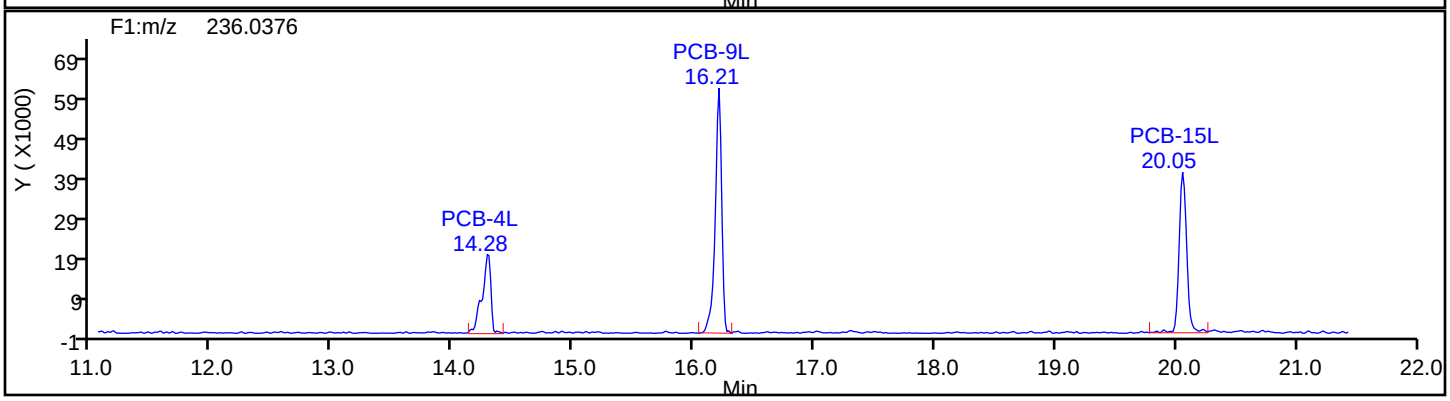
DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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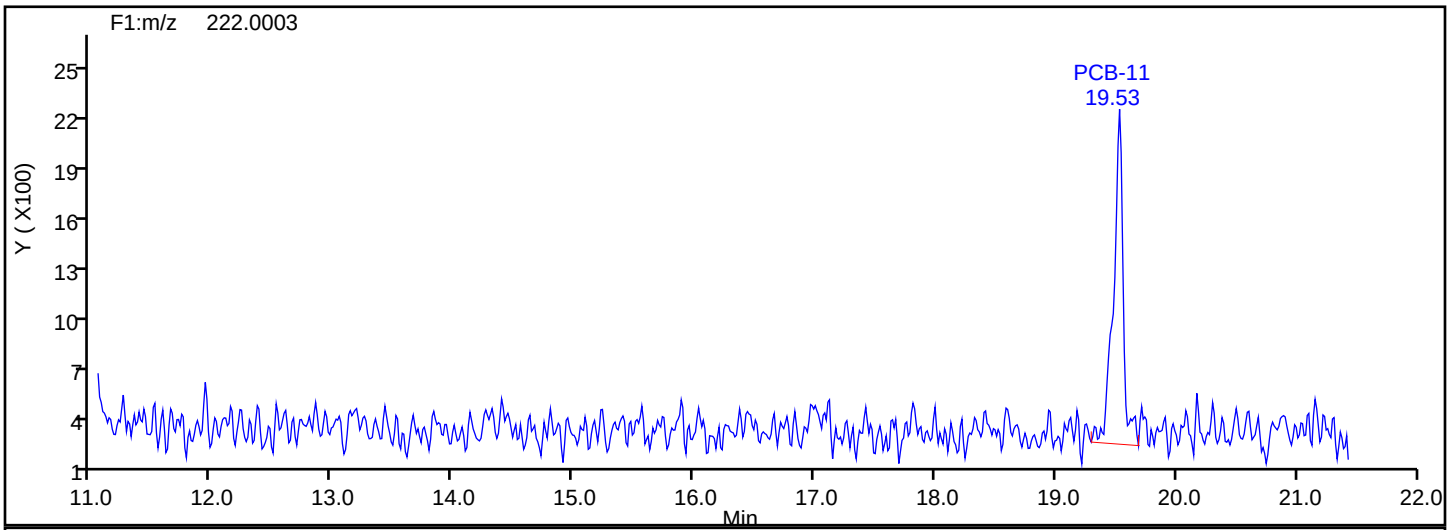
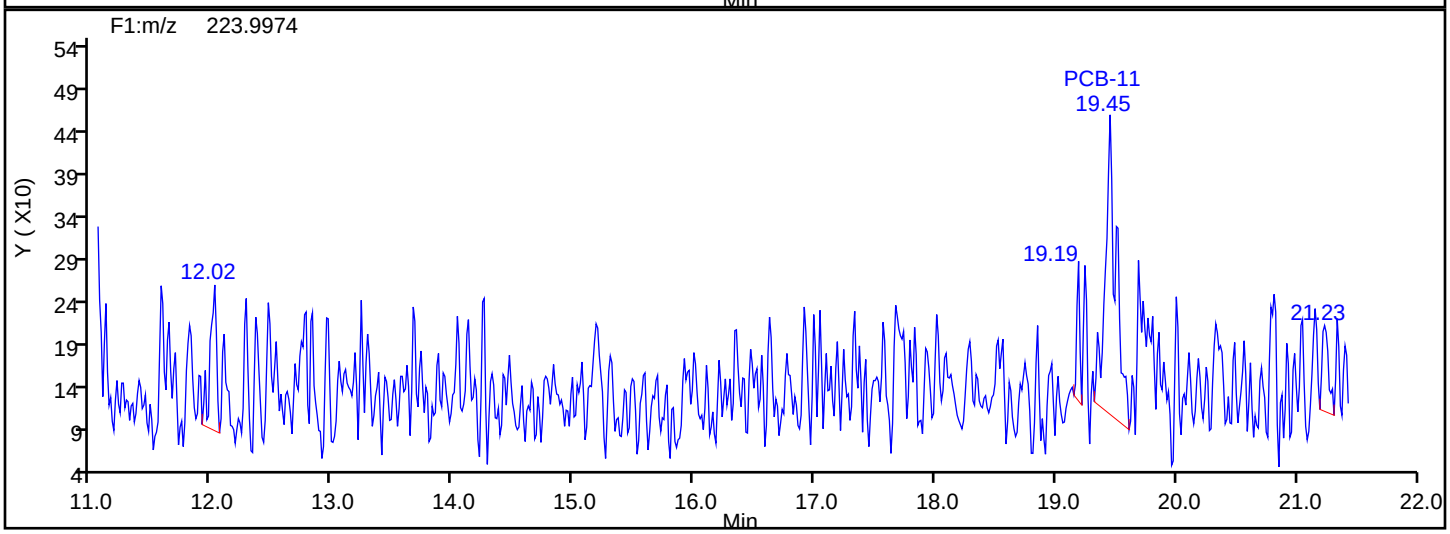
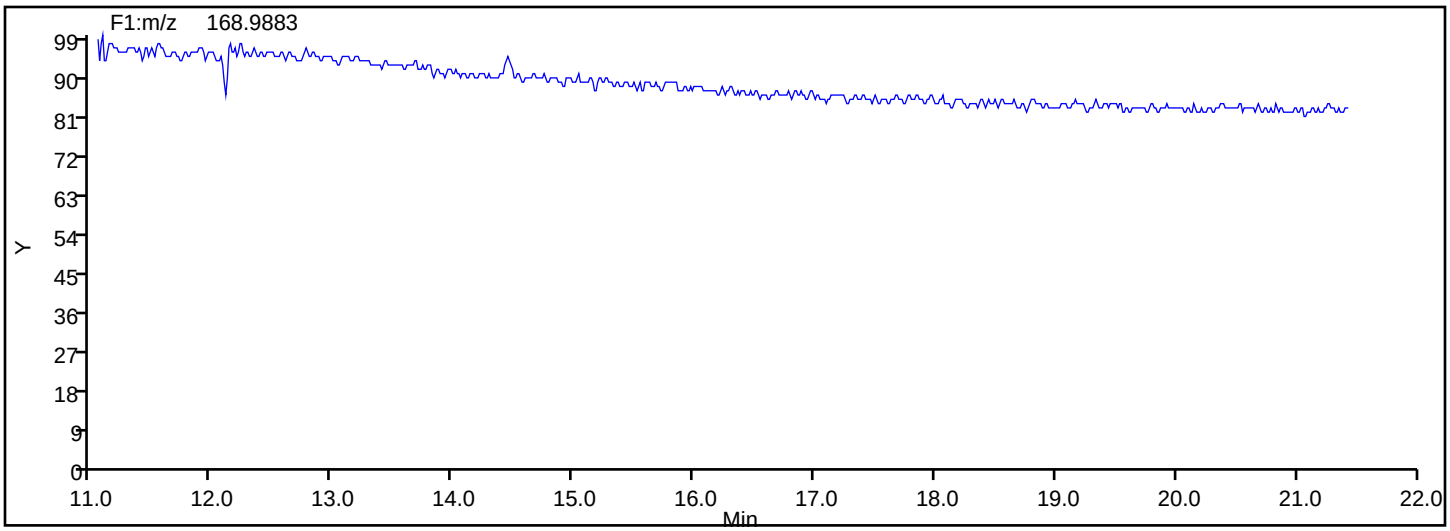
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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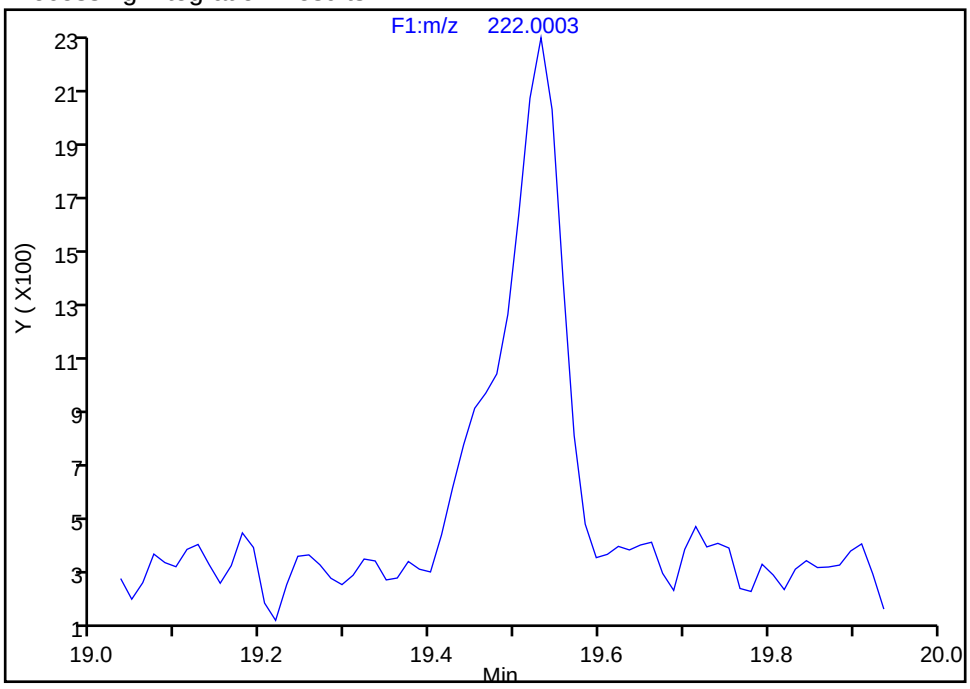
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-11, CAS: 2050-67-1

Signal: 1

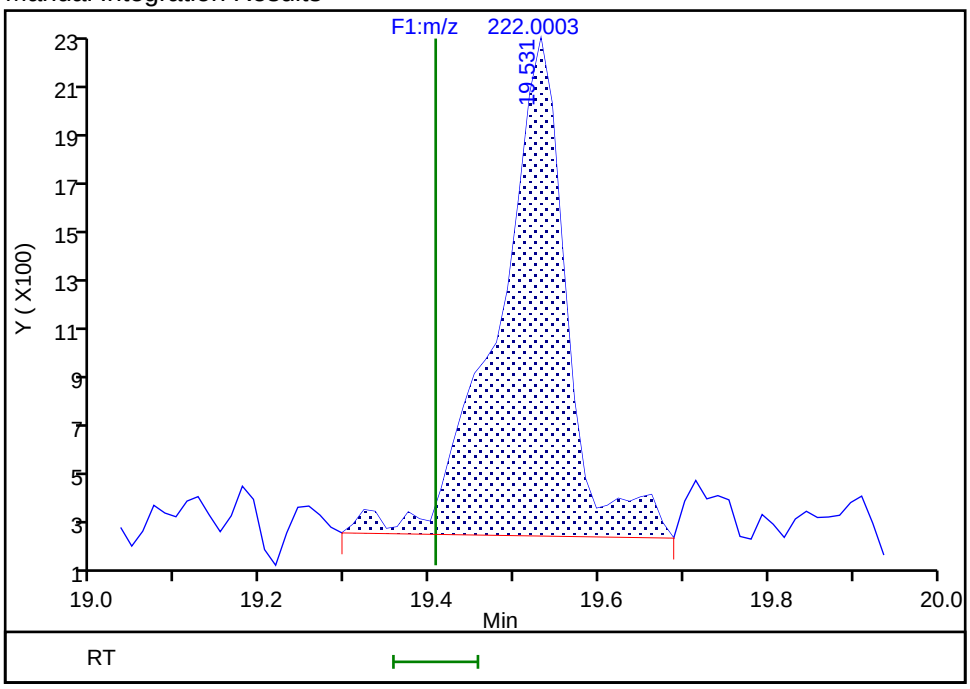
Not Detected
Expected RT: 19.41

Processing Integration Results




Manual Integration Results

RT: 19.53
Area: 11285
Amount: 0.447752
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:04:34
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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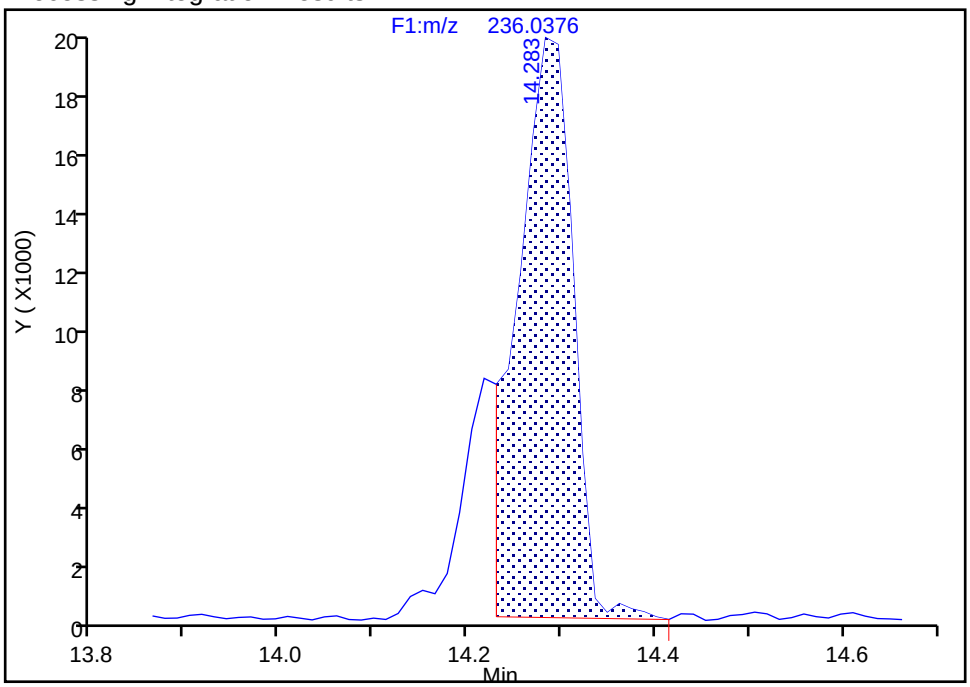
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4L, CAS: 234432-86-1

Signal: 2

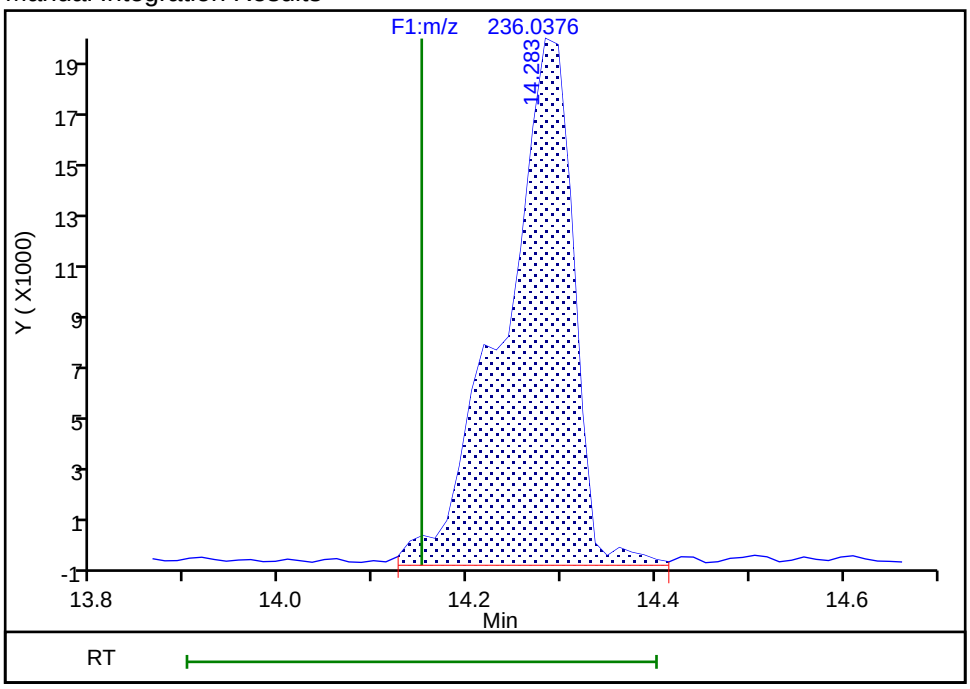
Processing Integration Results

RT: 14.28
Area: 78927
Amount: 12.696092
Amount Units: pg/ul




Manual Integration Results

RT: 14.28
Area: 102318
Amount: 13.975371
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:04:17

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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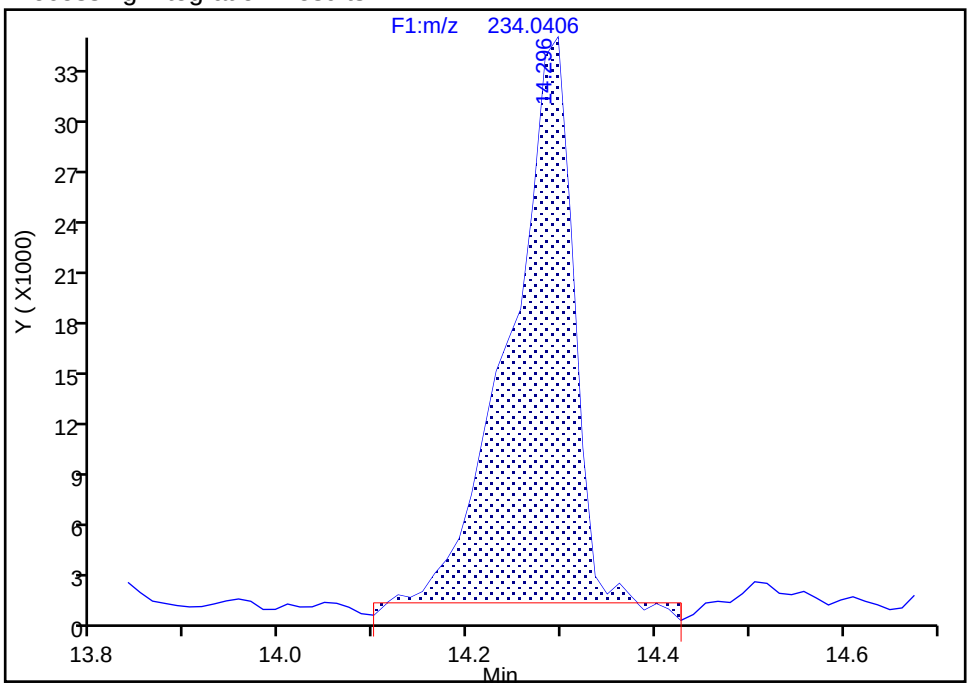
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-4L, CAS: 234432-86-1

Signal: 1

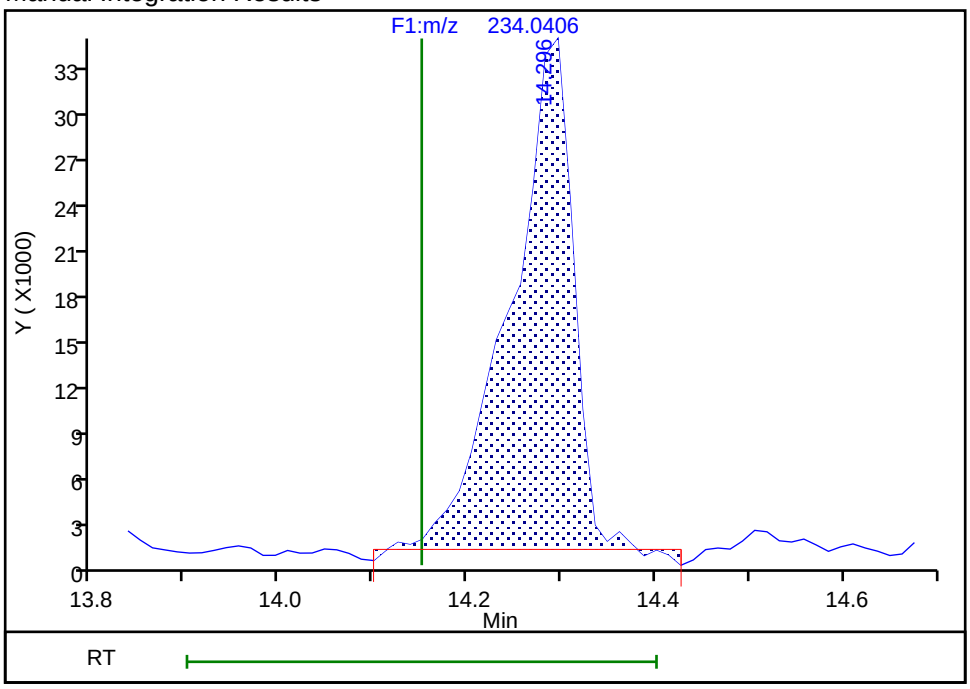
Processing Integration Results

RT: 14.30
Area: 153215
Amount: 12.696092
Amount Units: pg/ul




Manual Integration Results

RT: 14.30
Area: 153215
Amount: 13.975371
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:04:21

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

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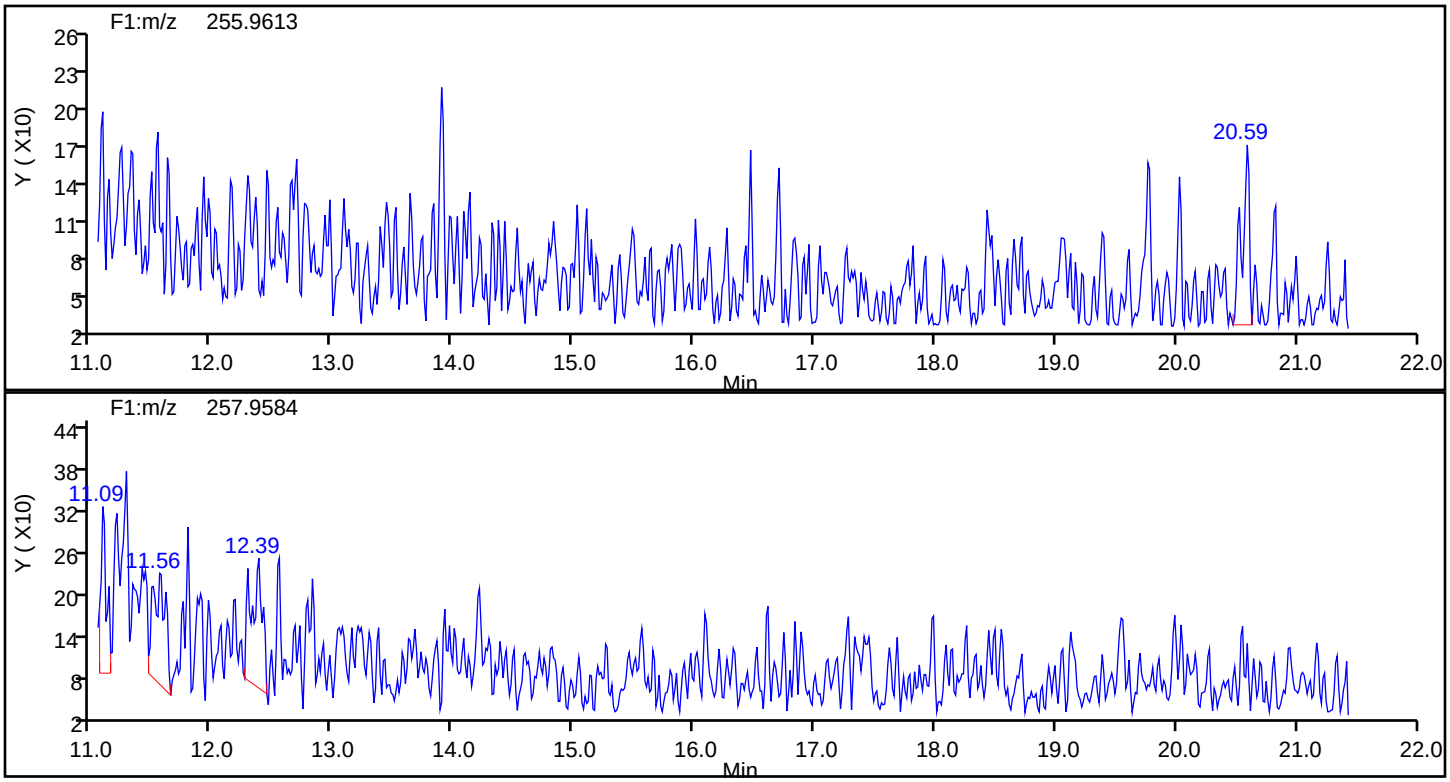
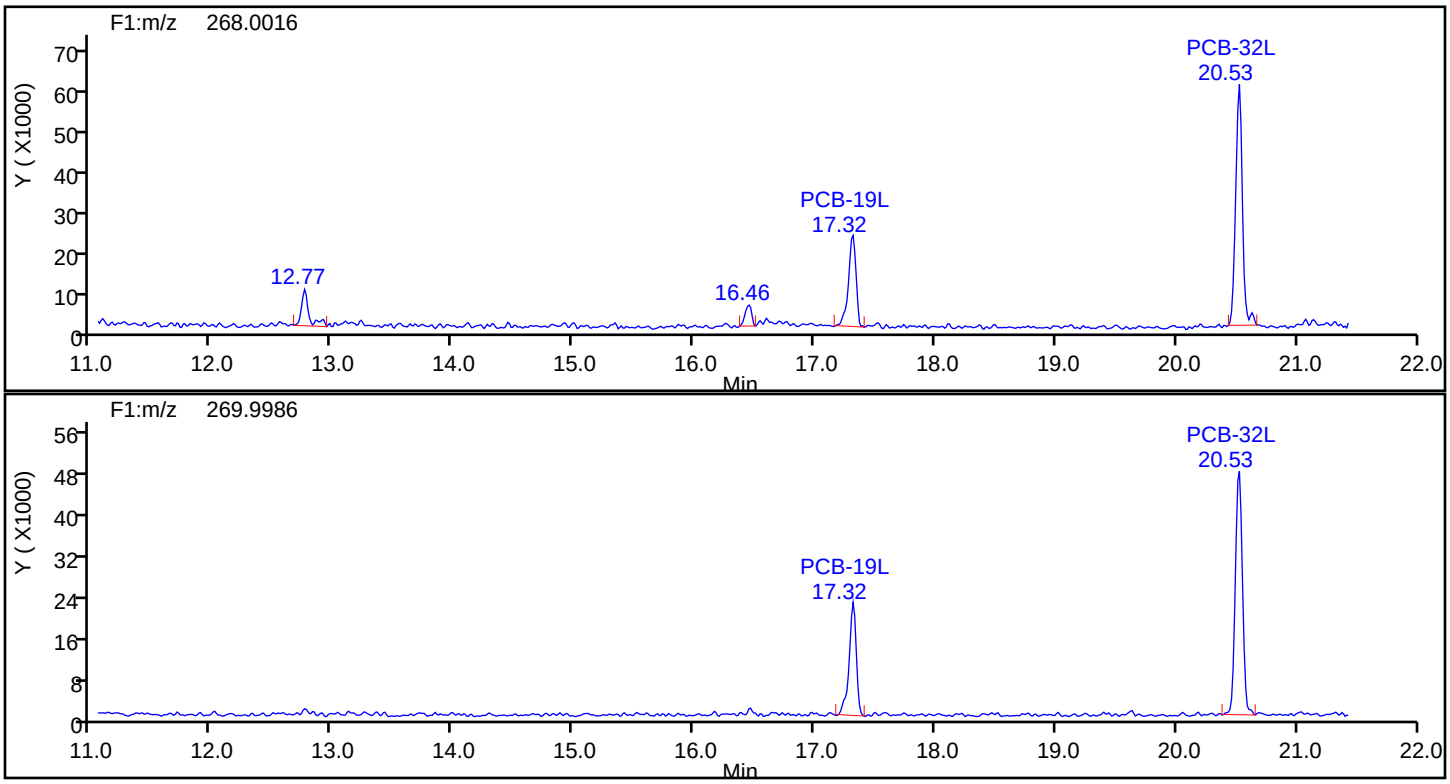
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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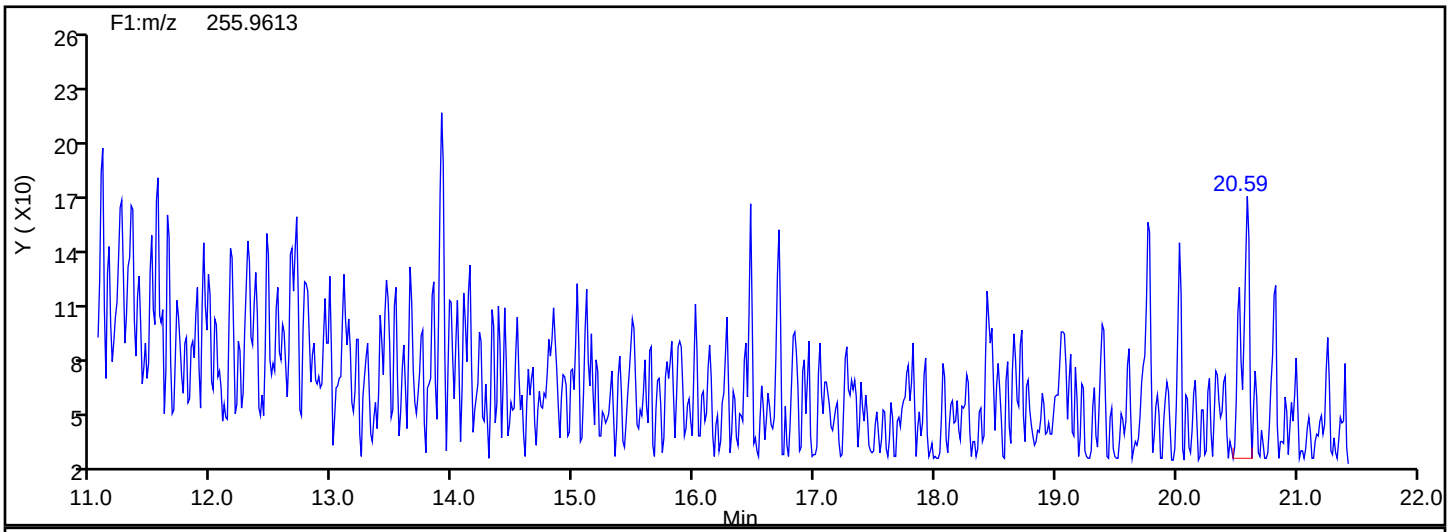
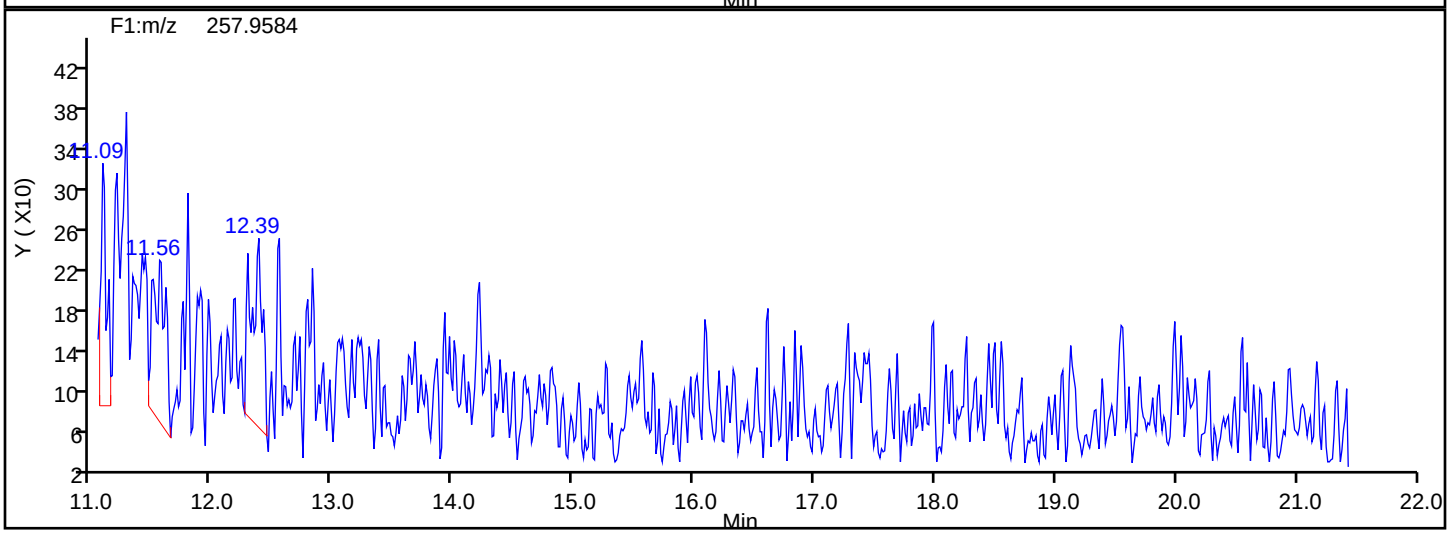
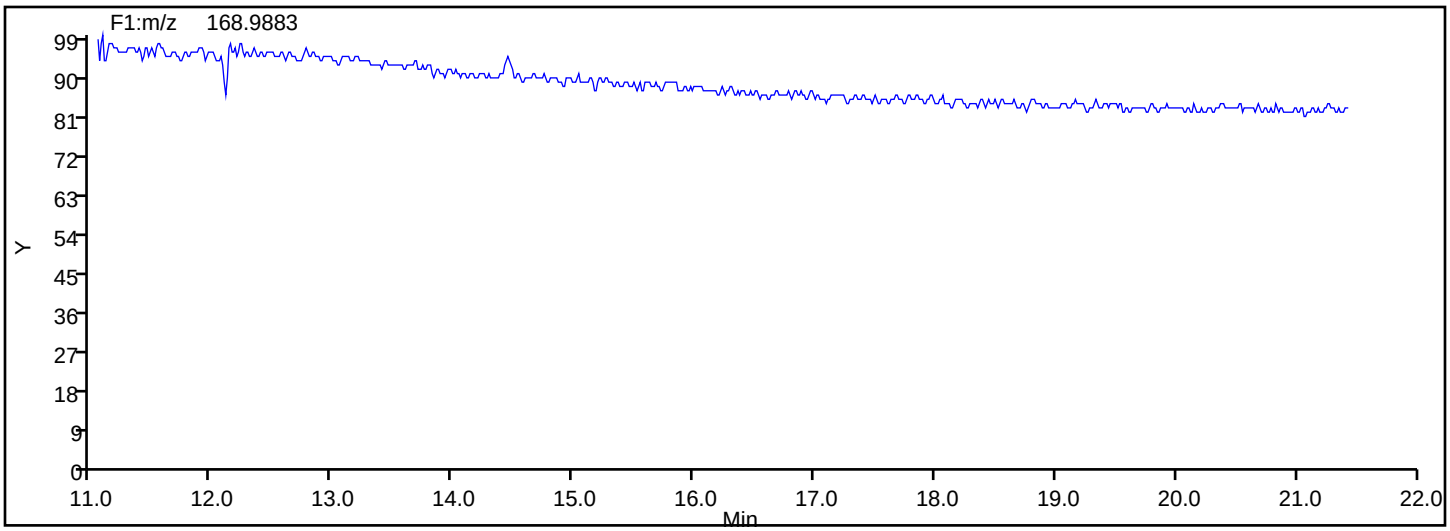
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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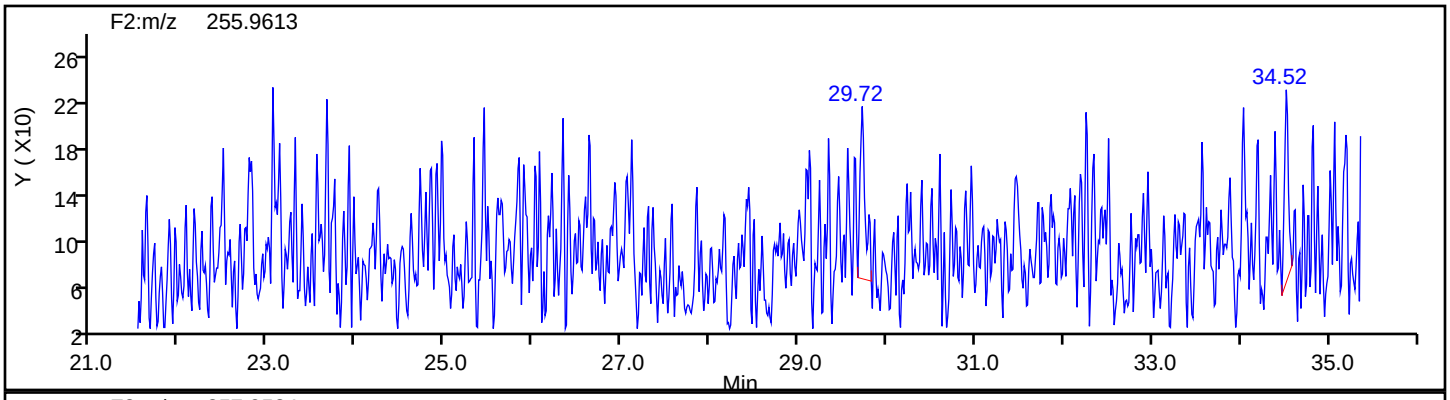
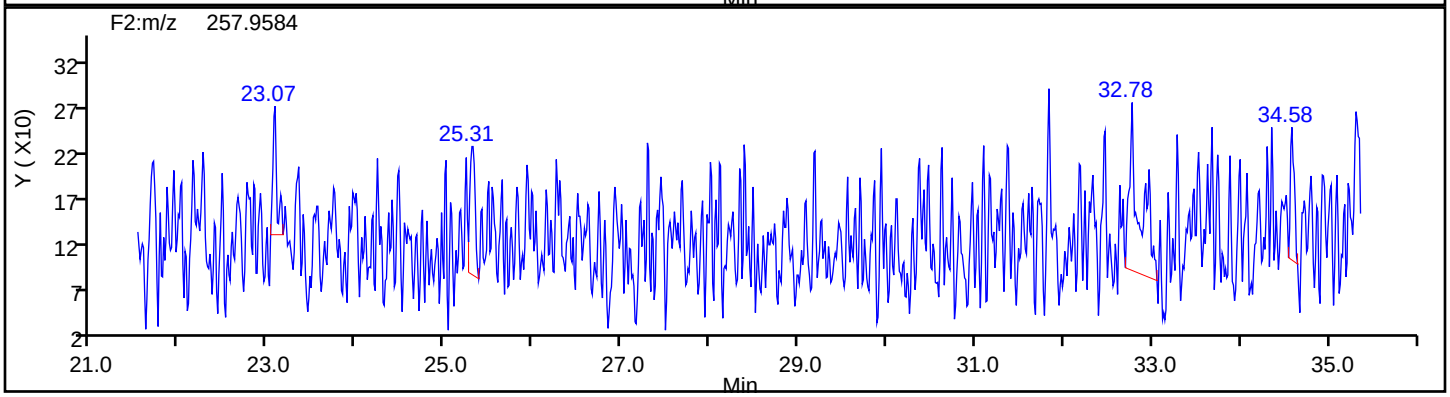
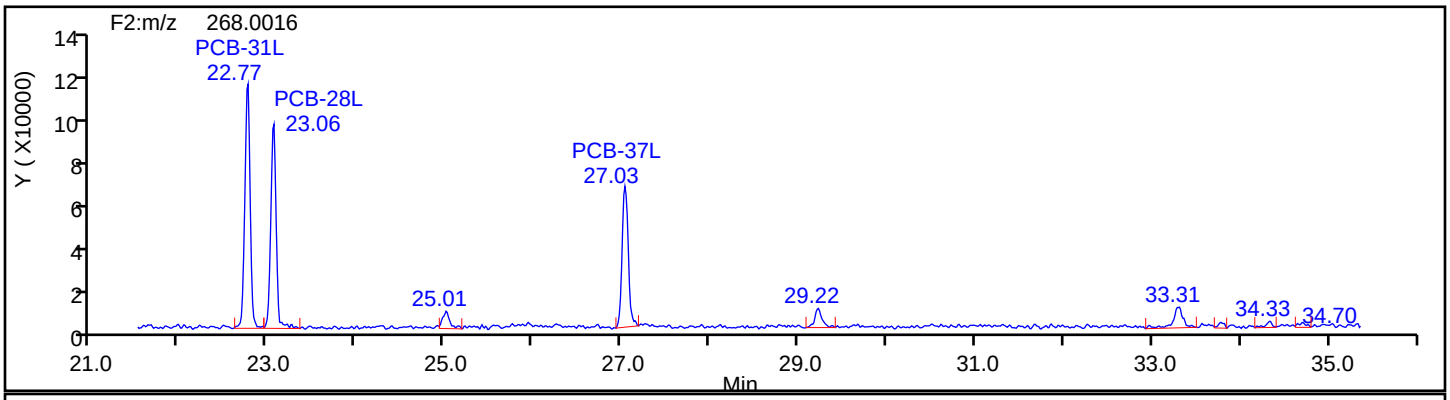
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

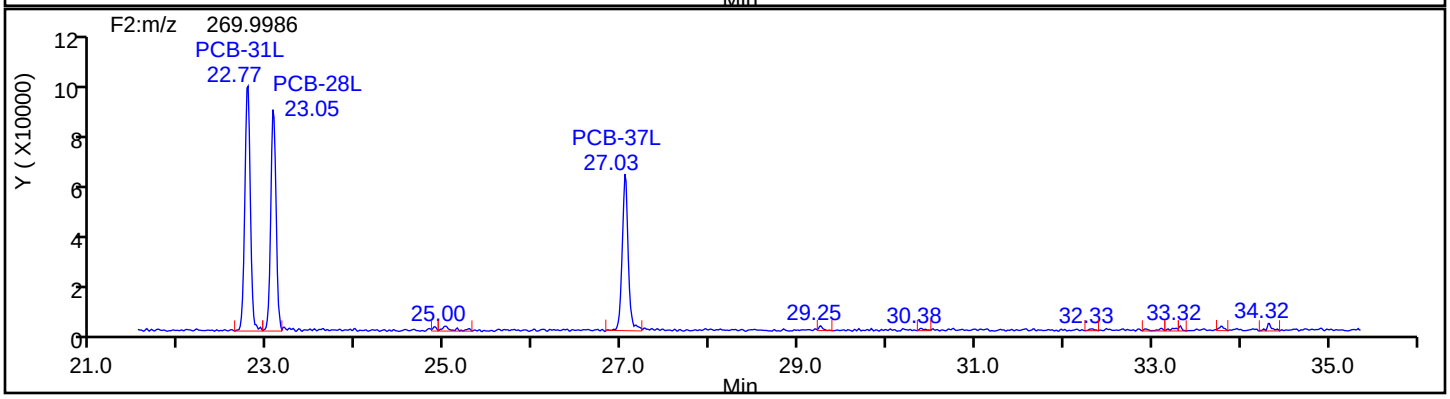
TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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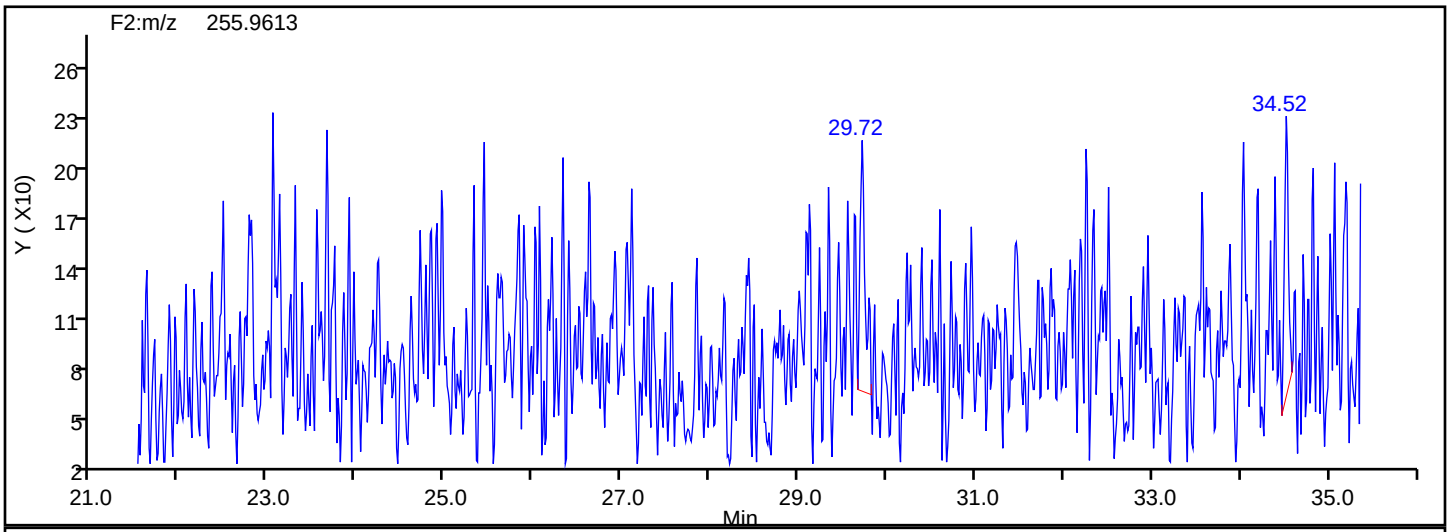
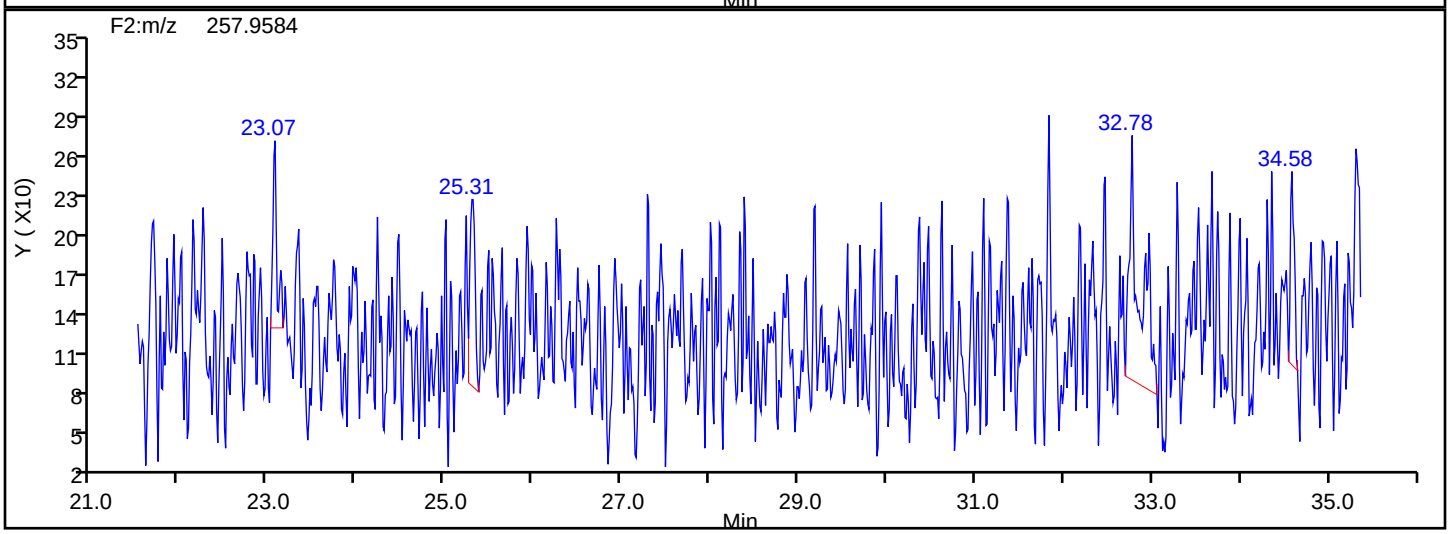
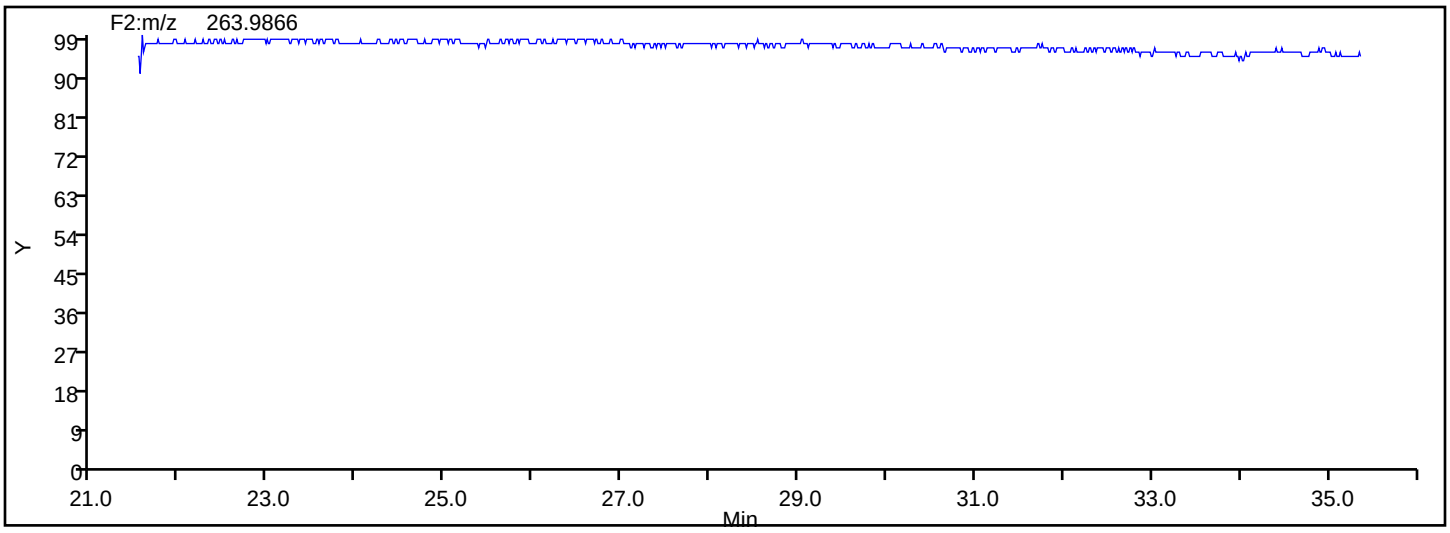
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Eurofins TestAmerica, Knoxville

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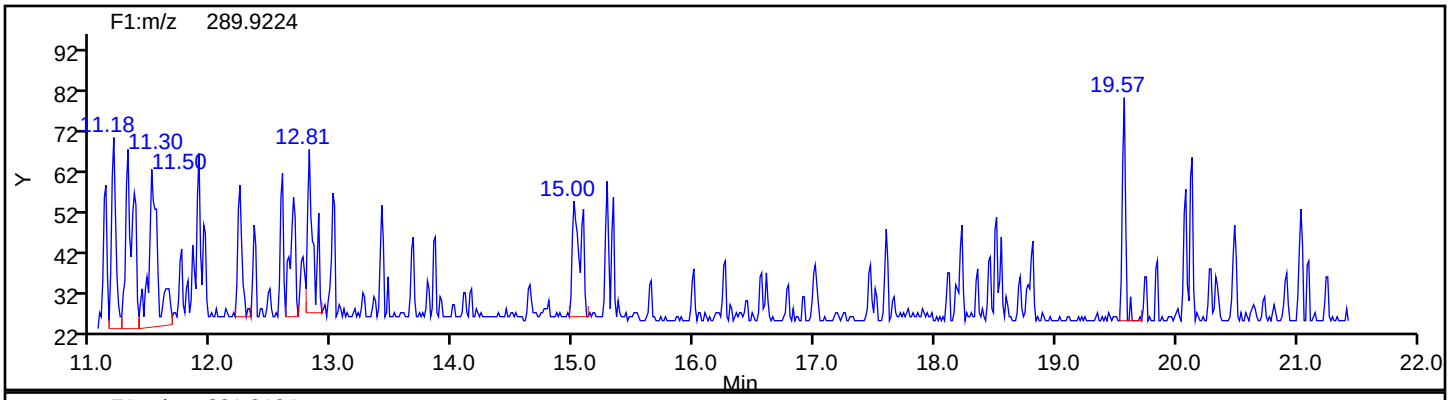
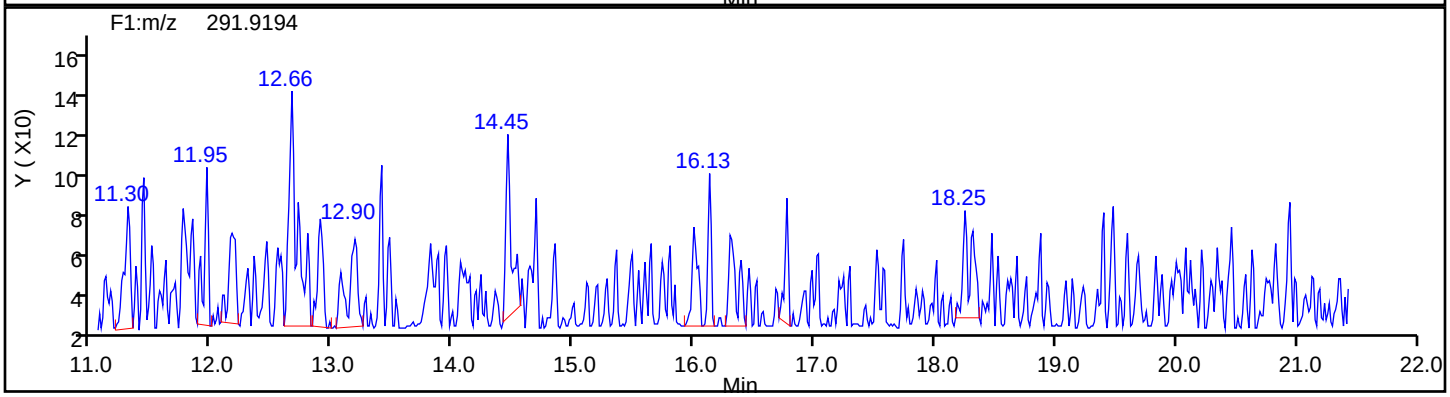
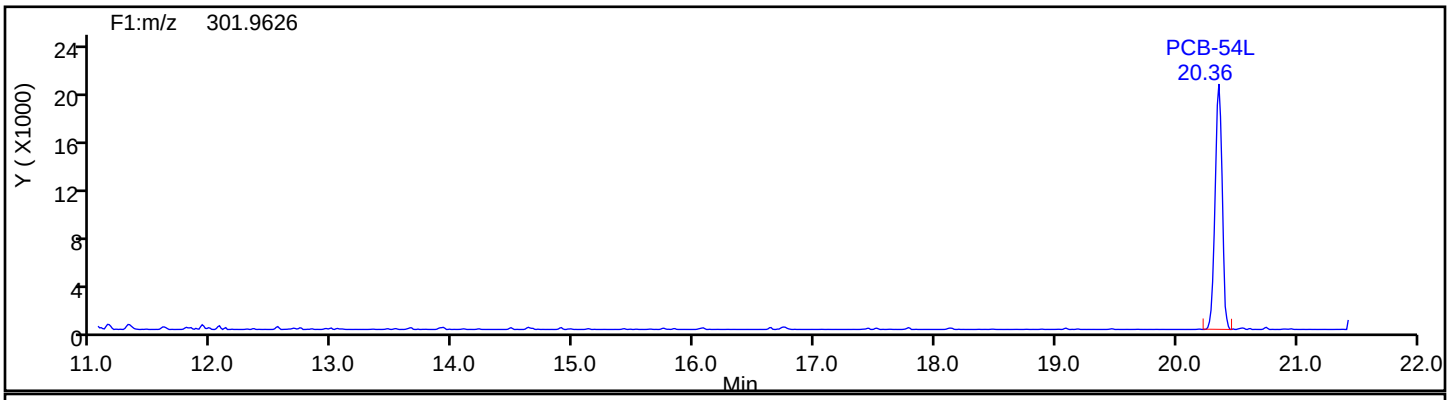
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

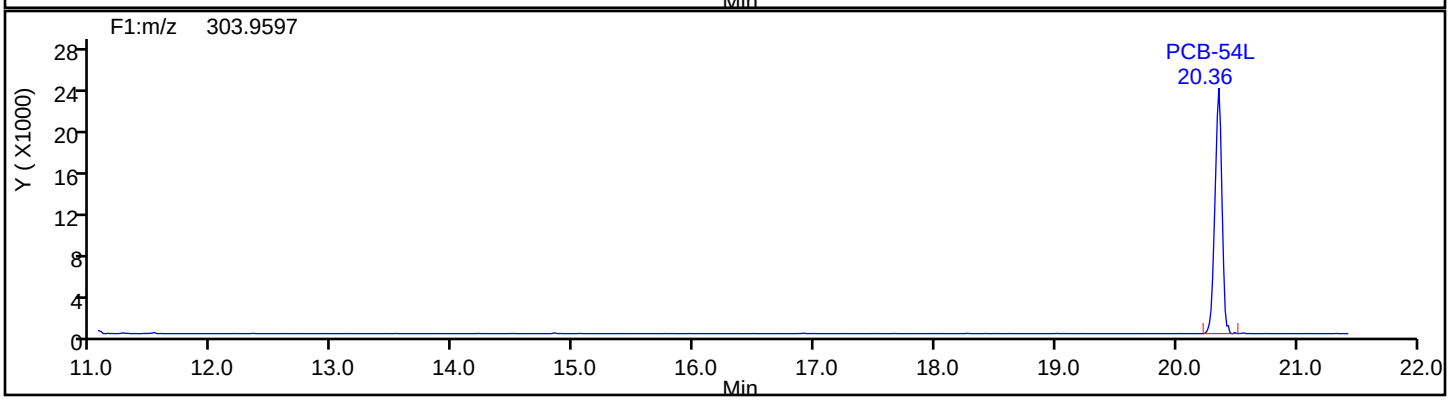
TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

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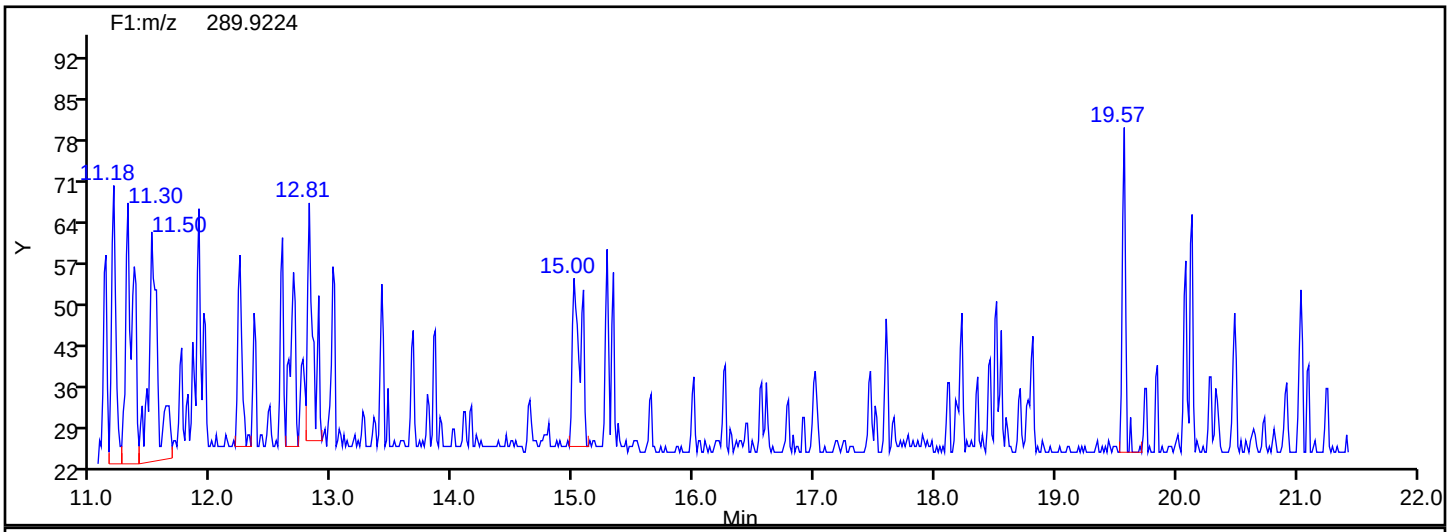
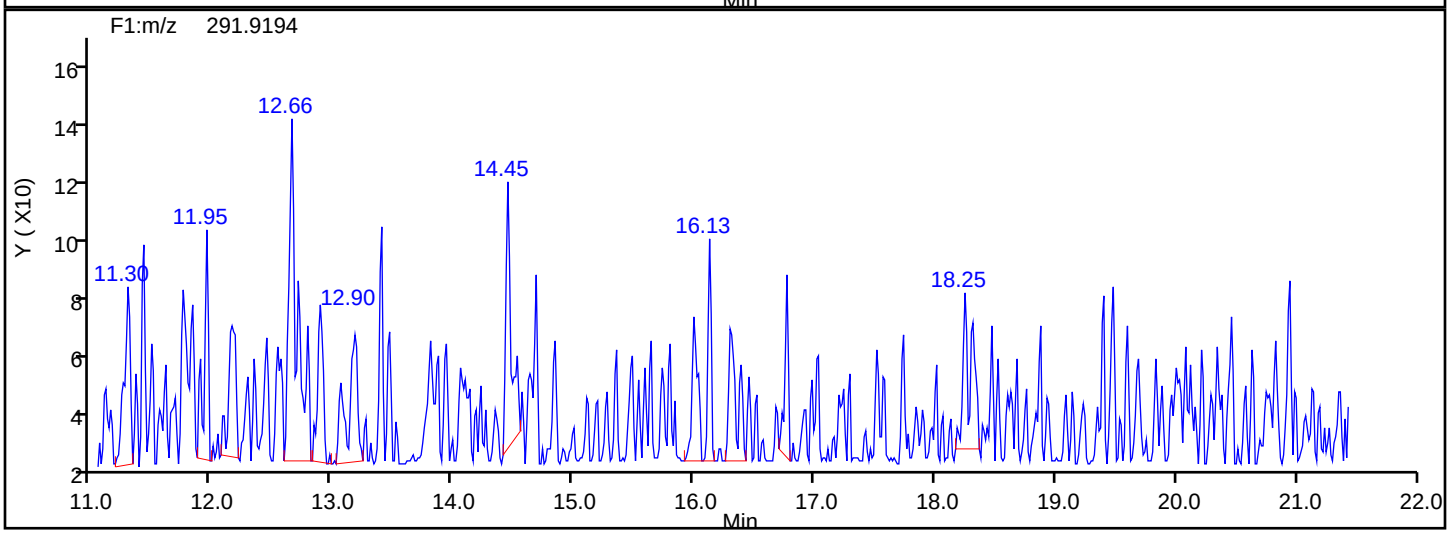
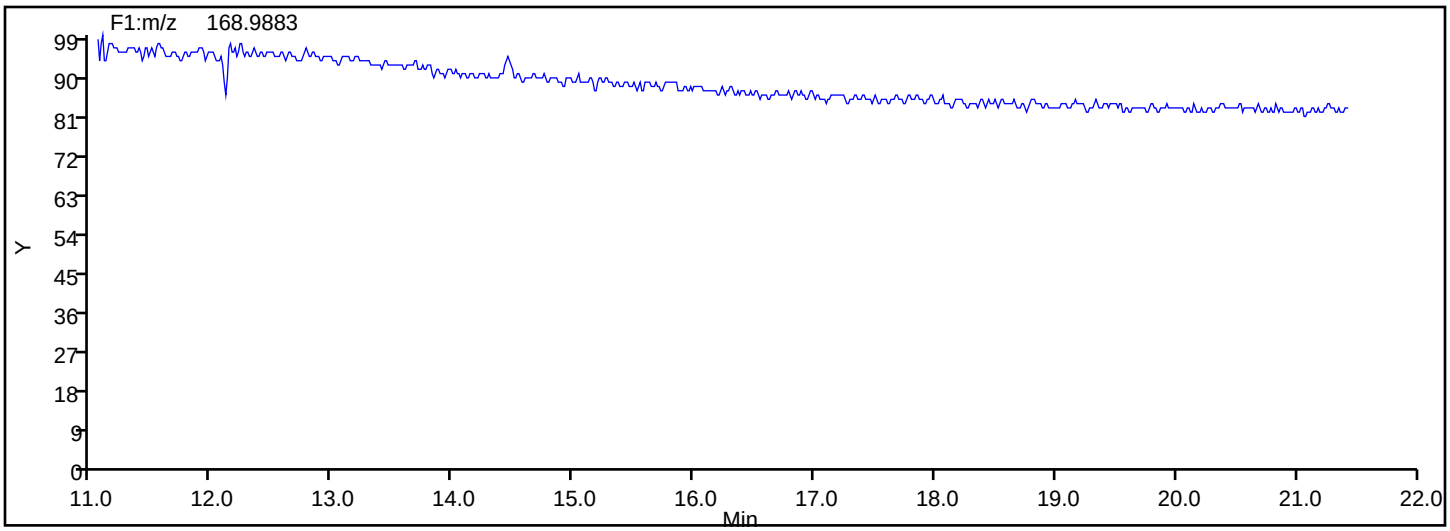
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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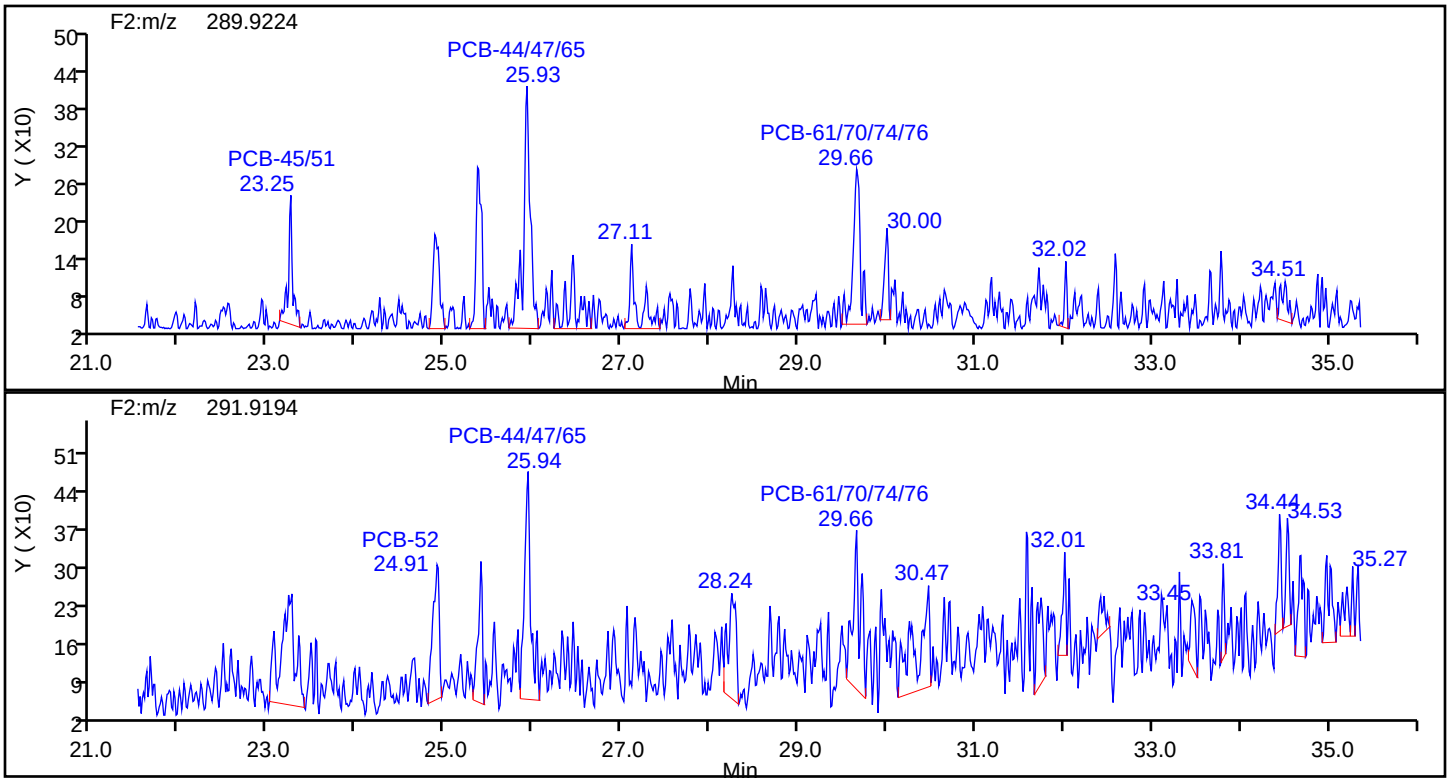
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

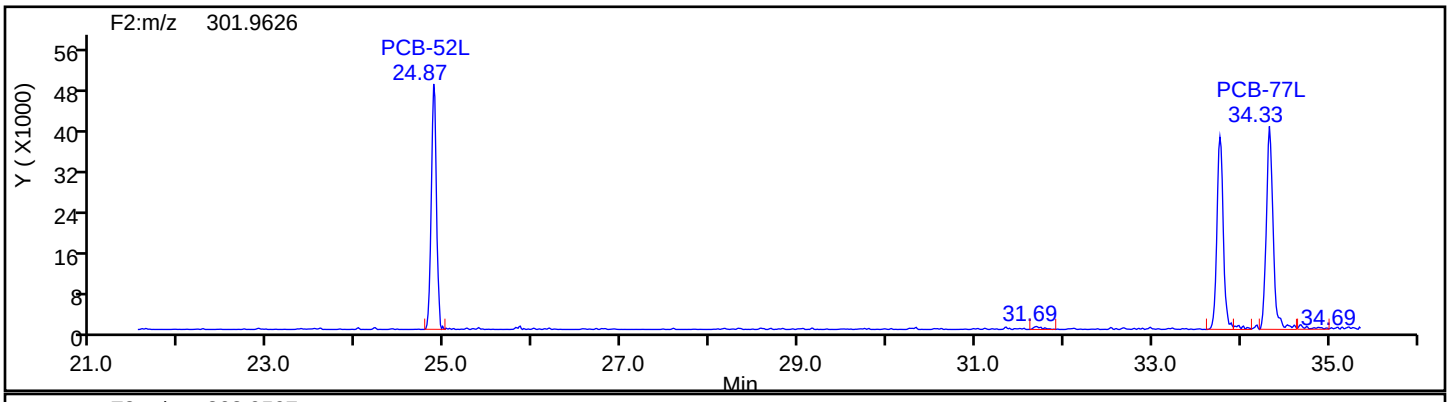
TePCB F2

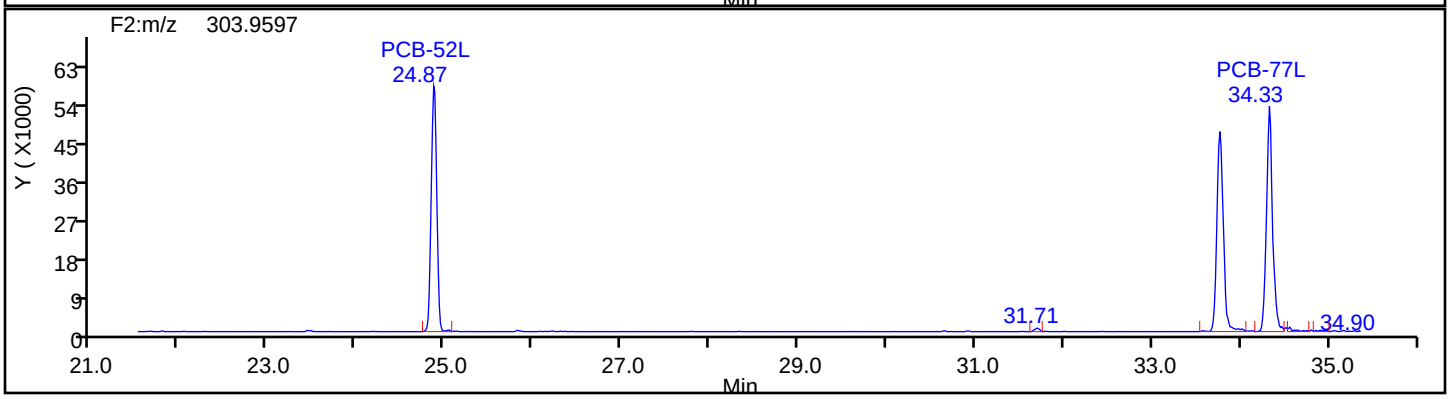






TePCB F2 Standards



Eurofins TestAmerica, Knoxville

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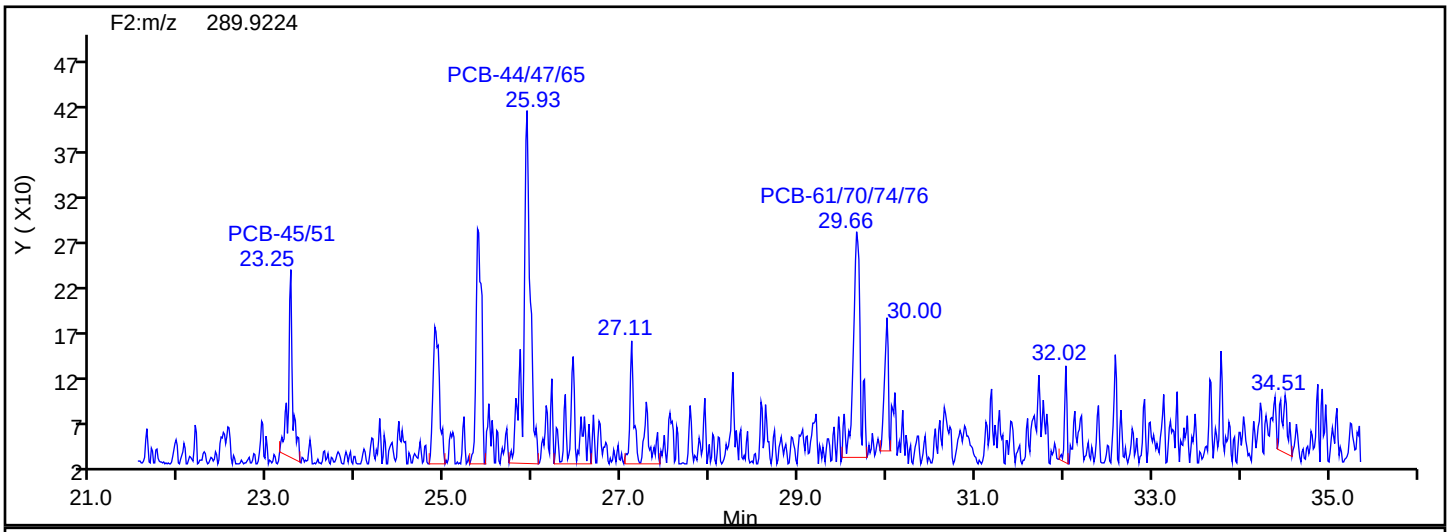
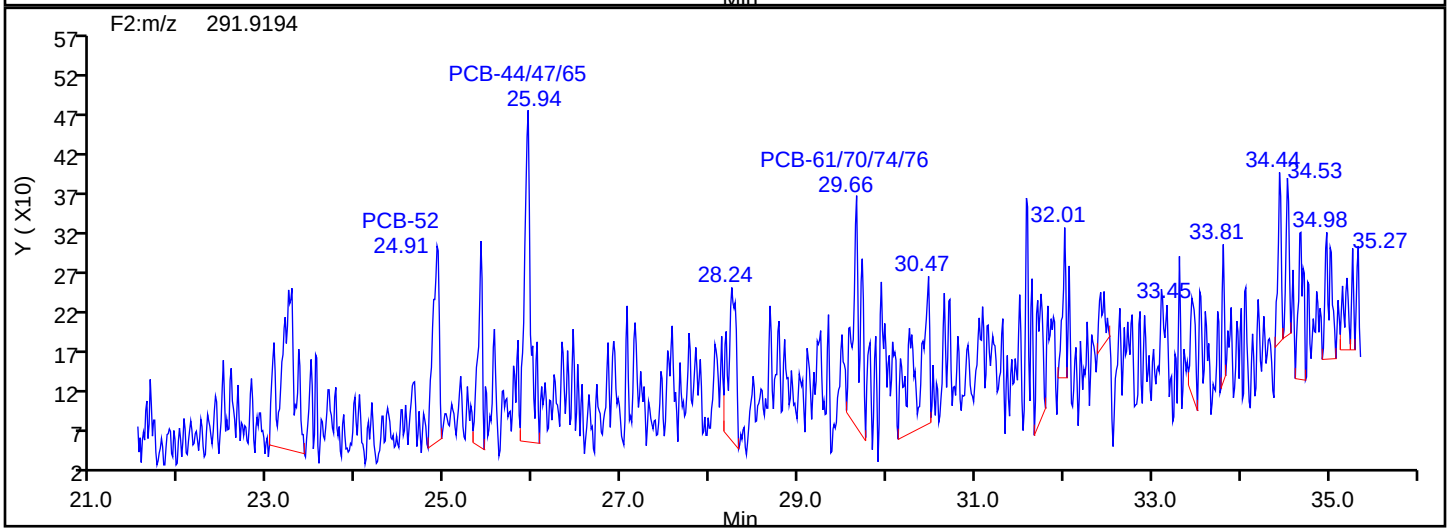
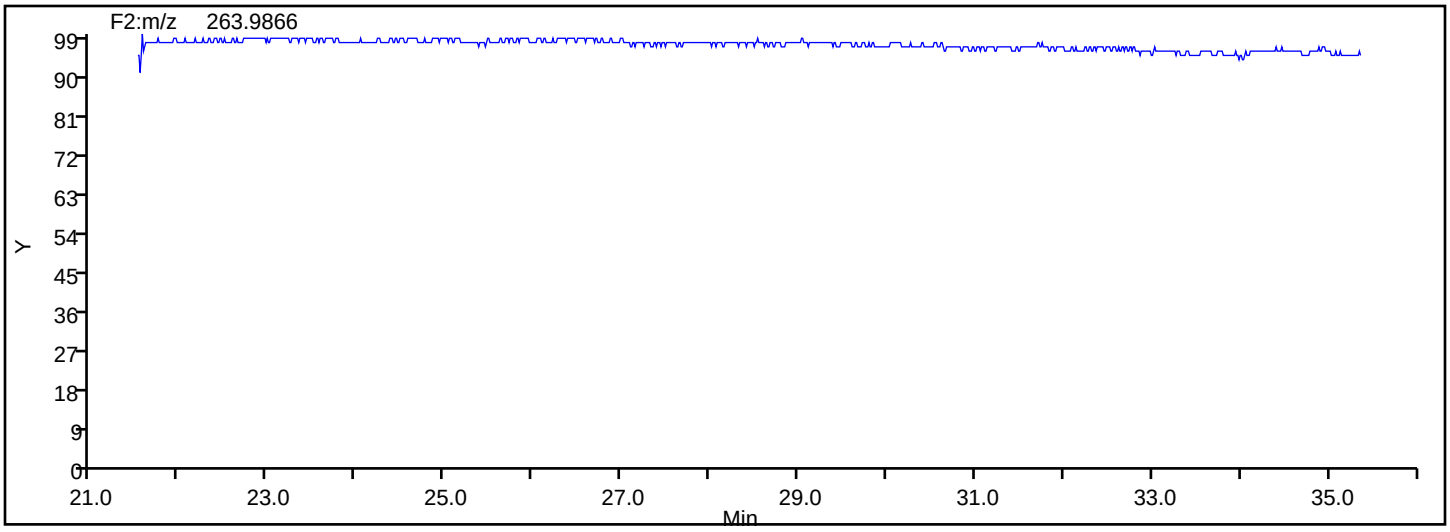
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

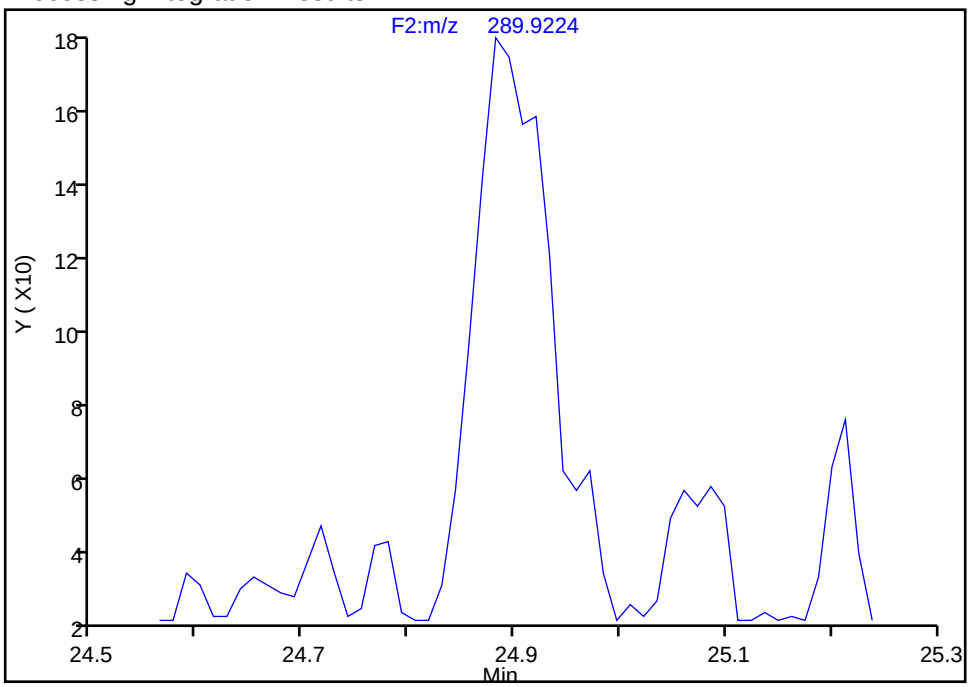
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d
Injection Date: 03-Oct-2019 14:39:00 Instrument ID: D3D
Lims ID: MB 140-33628/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-52, CAS: 35693-99-3

Signal: 1

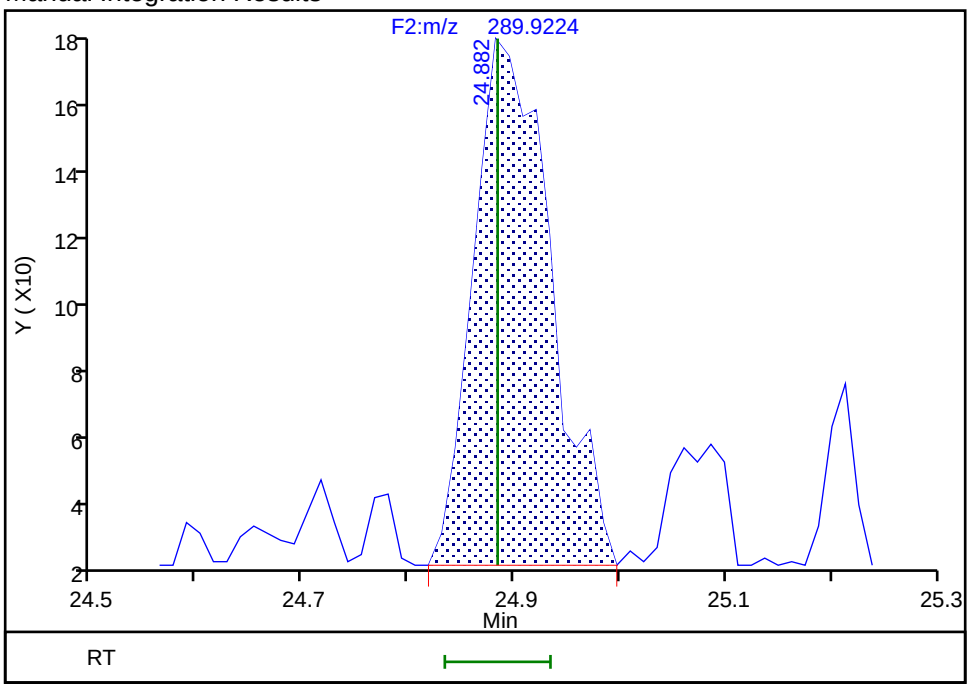
Not Detected
Expected RT: 24.88

Processing Integration Results




Manual Integration Results

RT: 24.88
Area: 750
Amount: 0.097426
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:05:07
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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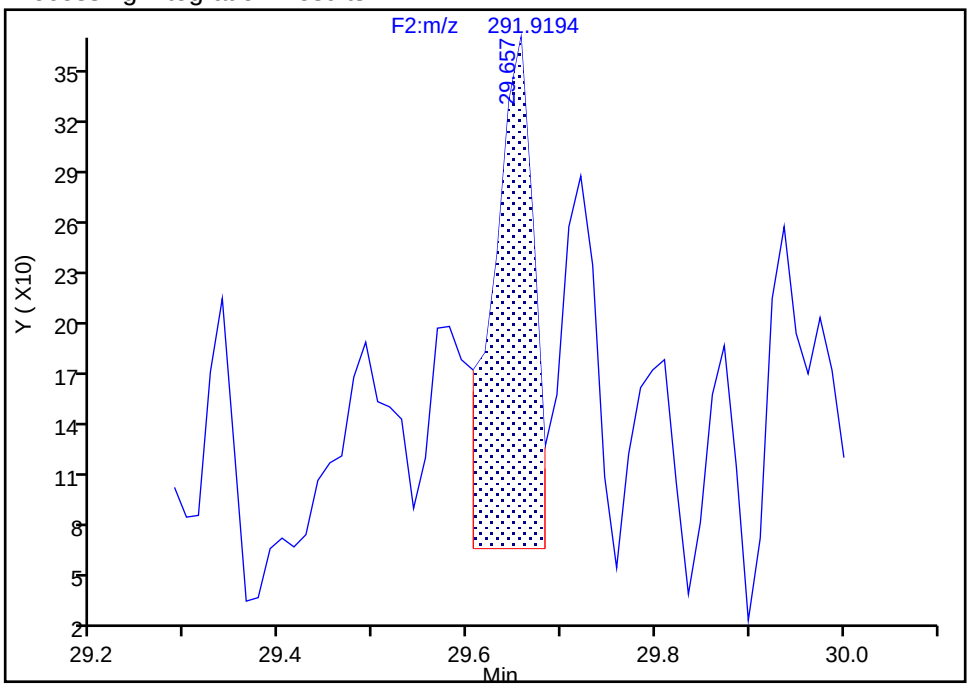
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-61/70/74/76, CAS: STL01808

Signal: 2

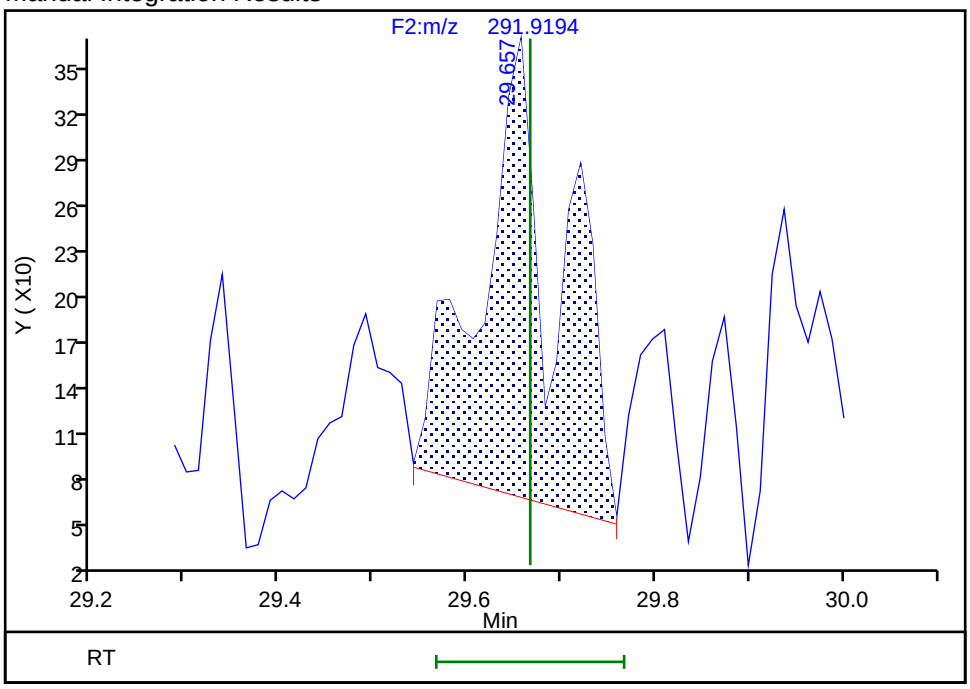
Processing Integration Results

RT: 29.66
Area: 836
Amount: 0.072563
Amount Units: pg/ul




Manual Integration Results

RT: 29.66
Area: 1702
Amount: 0.100654
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:05:21

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Knoxville

| | | | |
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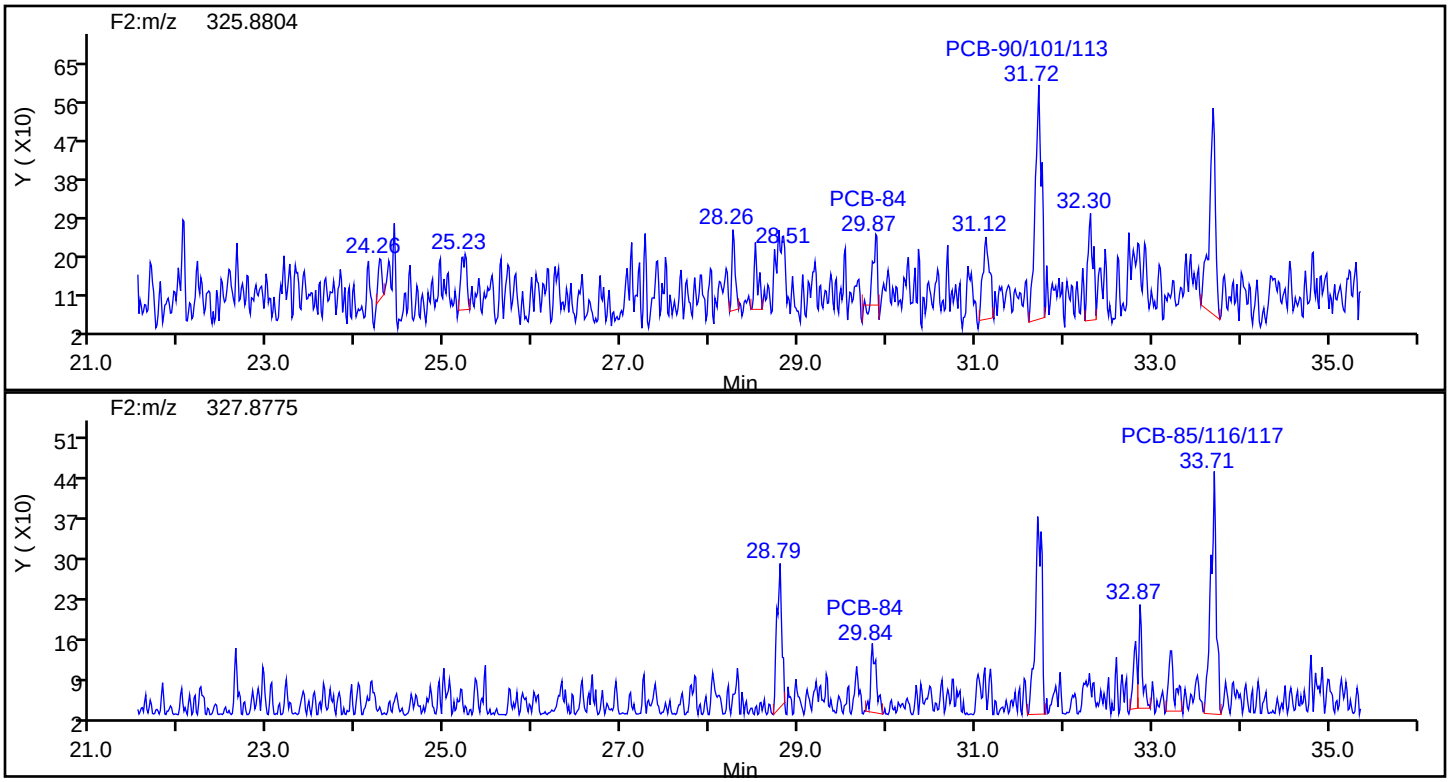
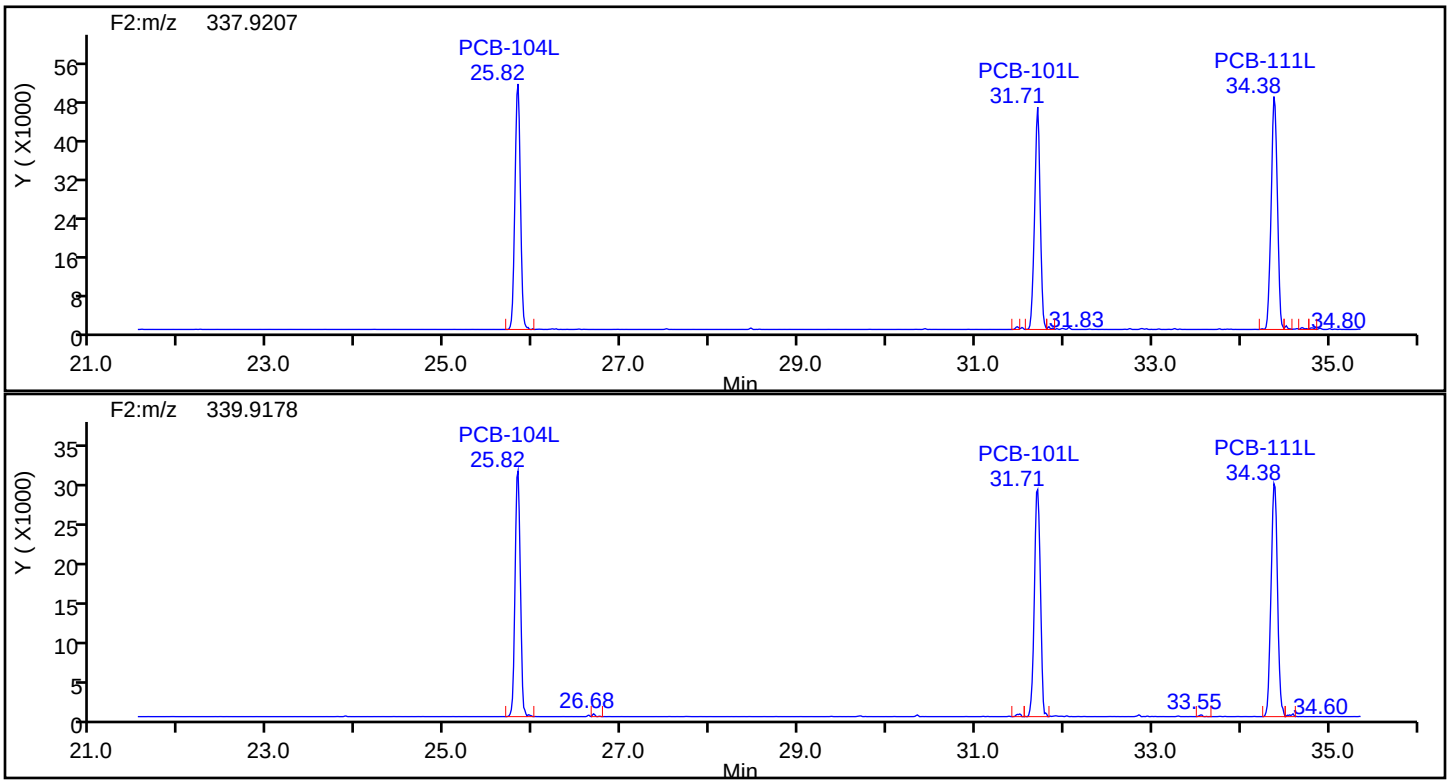
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Standards



Eurofins TestAmerica, Knoxville

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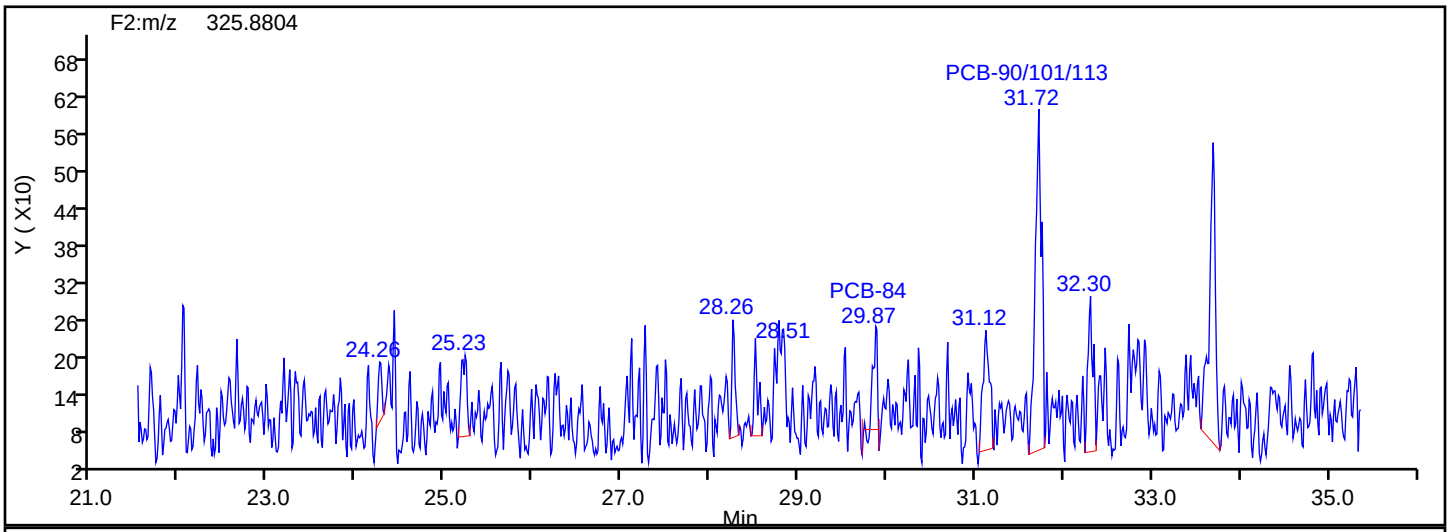
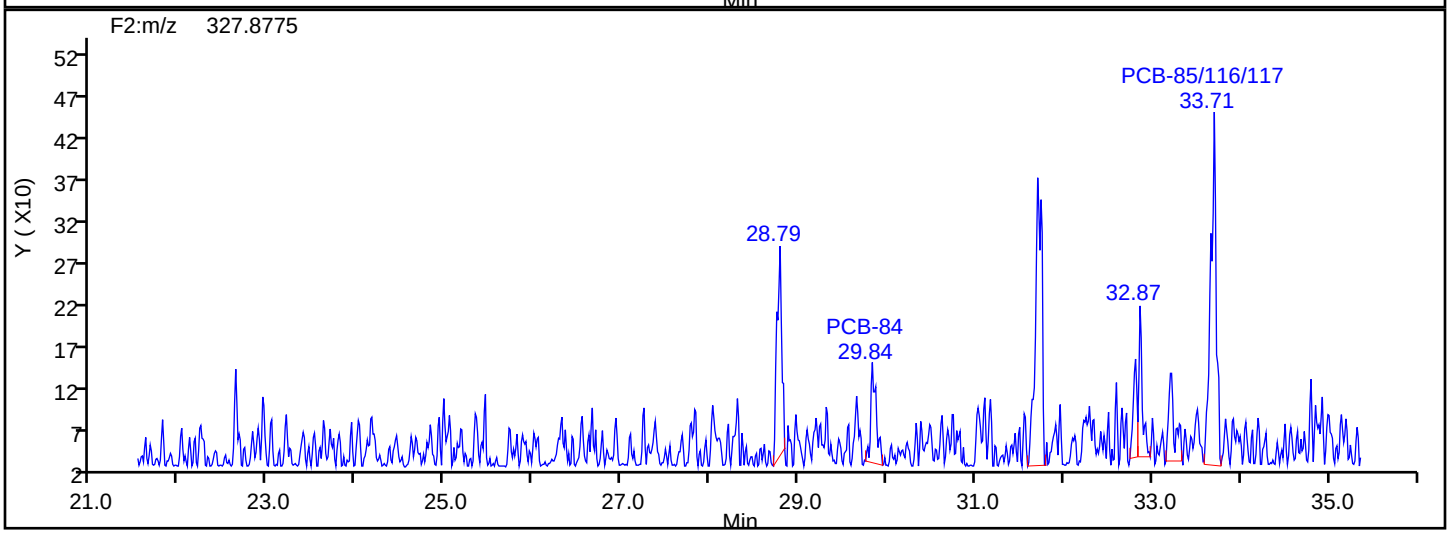
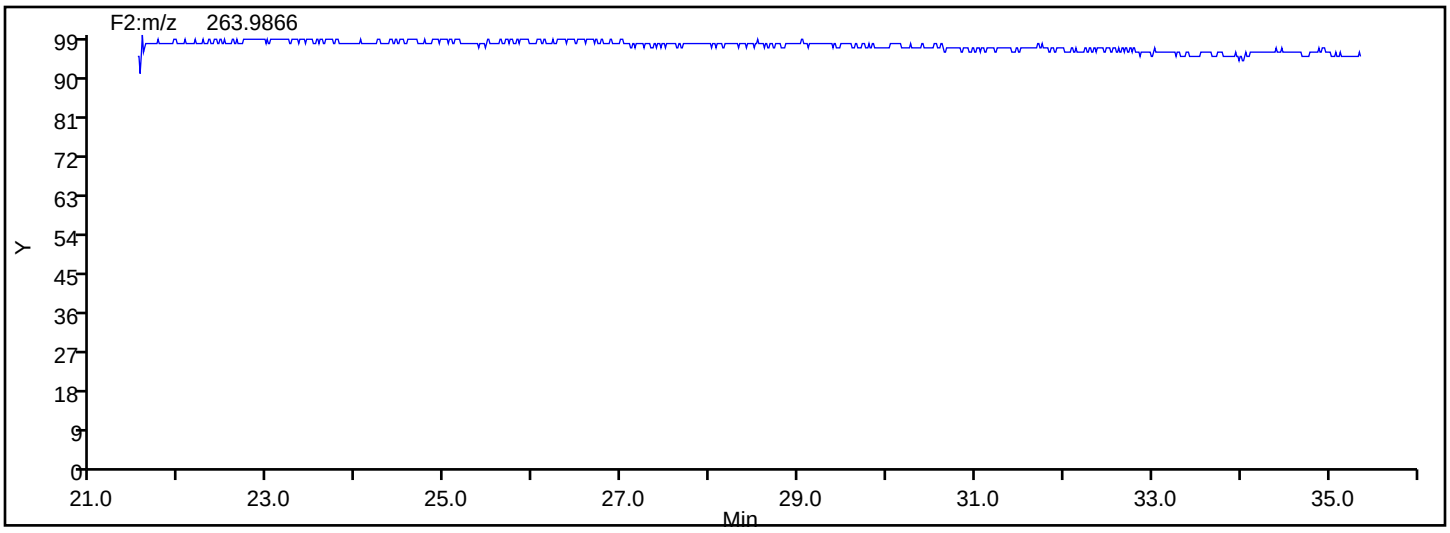
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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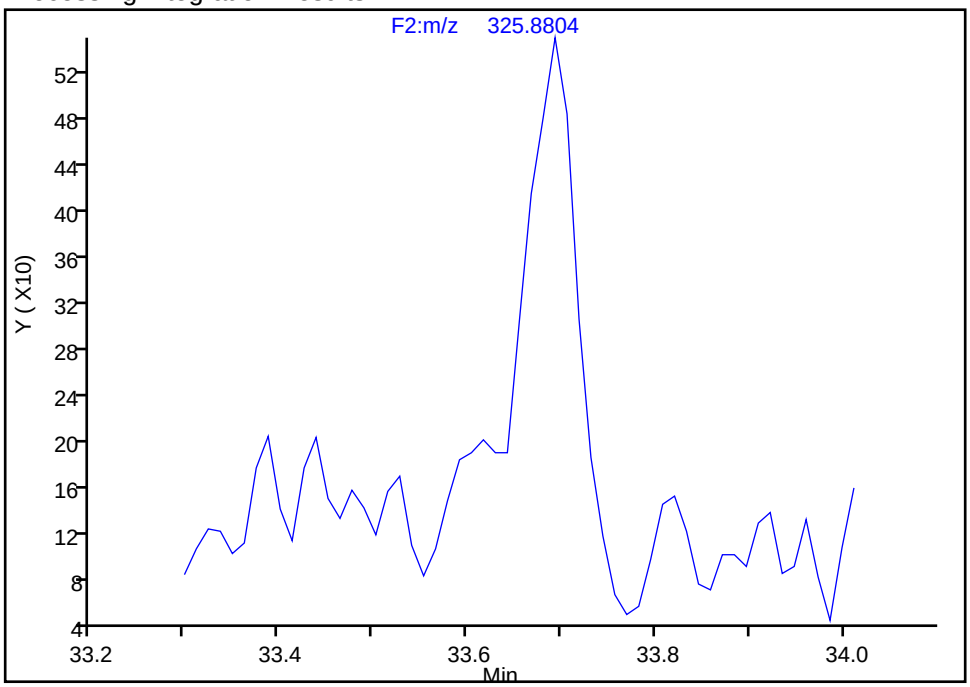
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-85/116/117, CAS: STL01810

Signal: 1

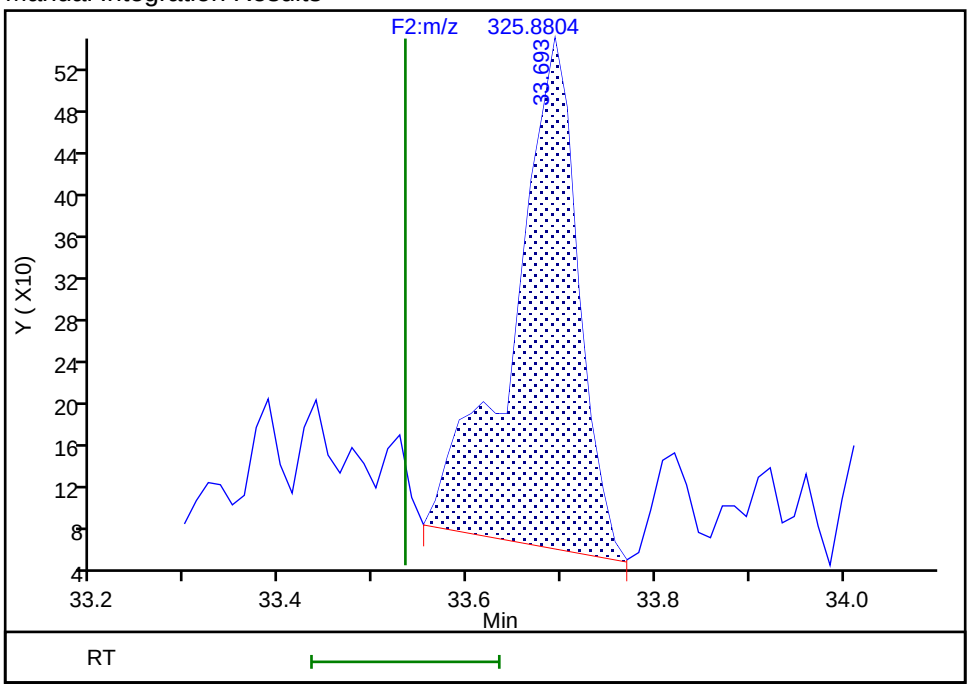
Not Detected
Expected RT: 33.53

Processing Integration Results




Manual Integration Results

RT: 33.69
Area: 2307
Amount: 0.193595
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 01:25:56
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason:

Eurofins TestAmerica, Knoxville

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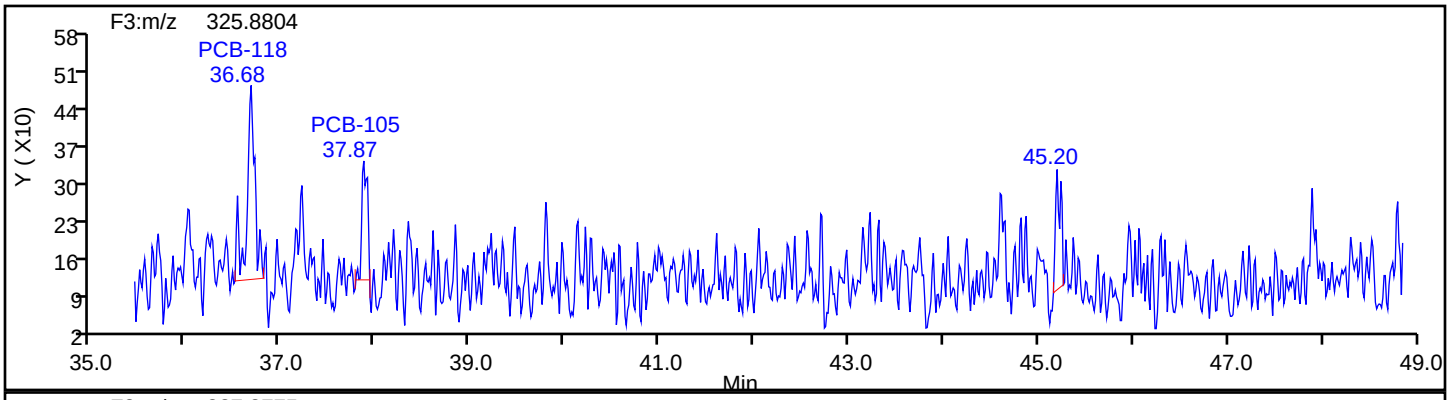
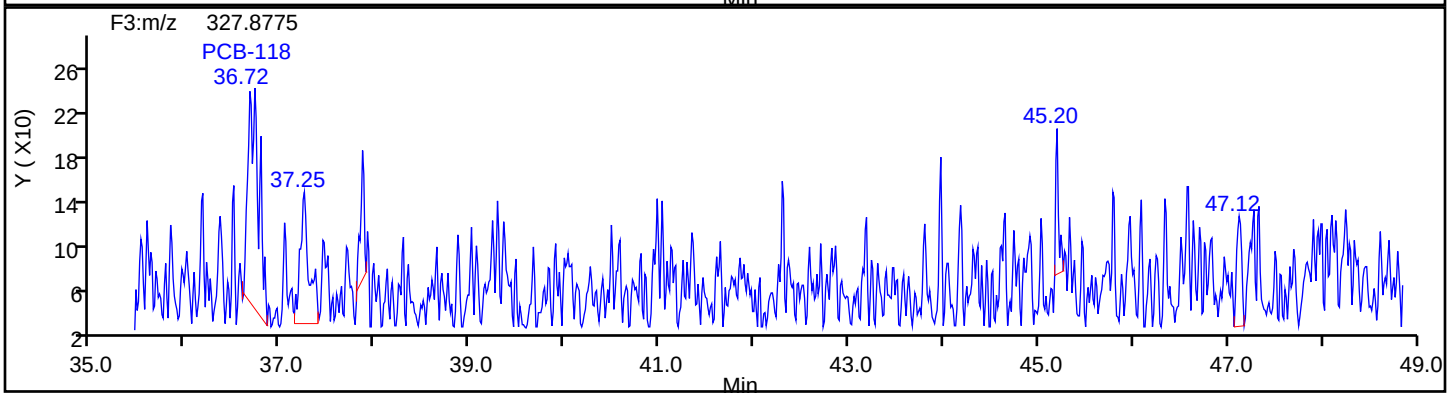
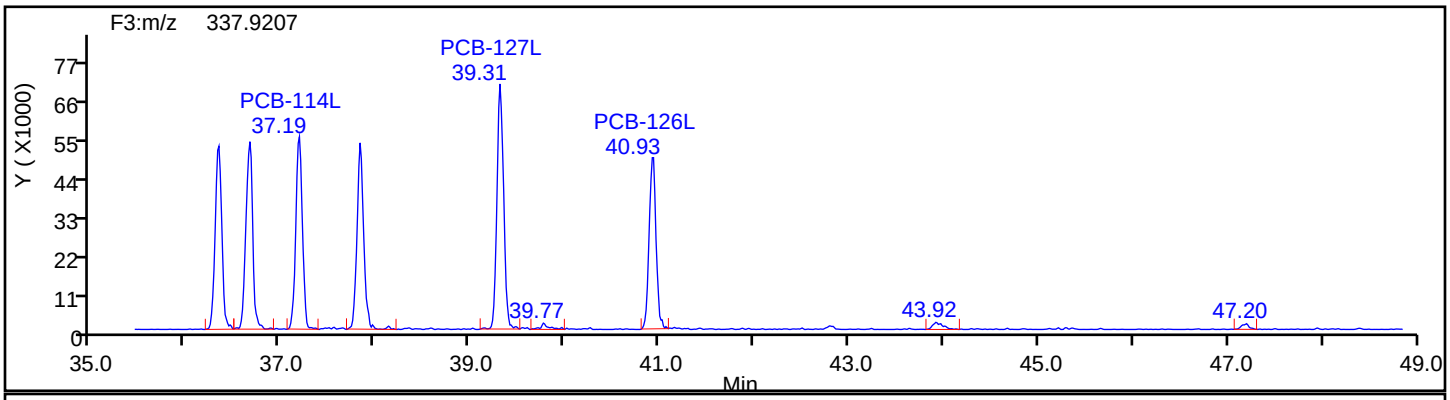
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

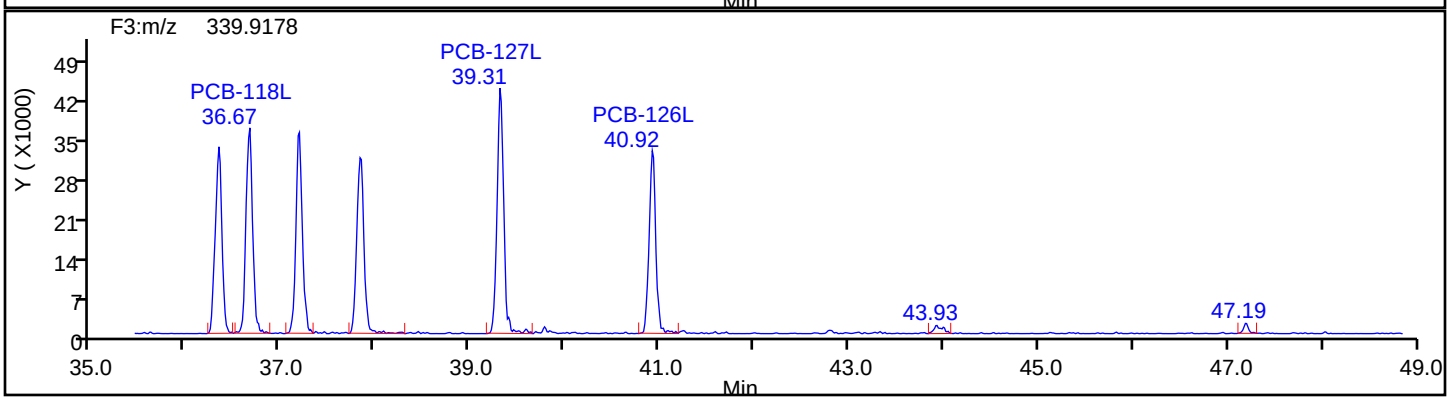
PePCB F3




PePCB F3 Standards



Eurofins TestAmerica, Knoxville

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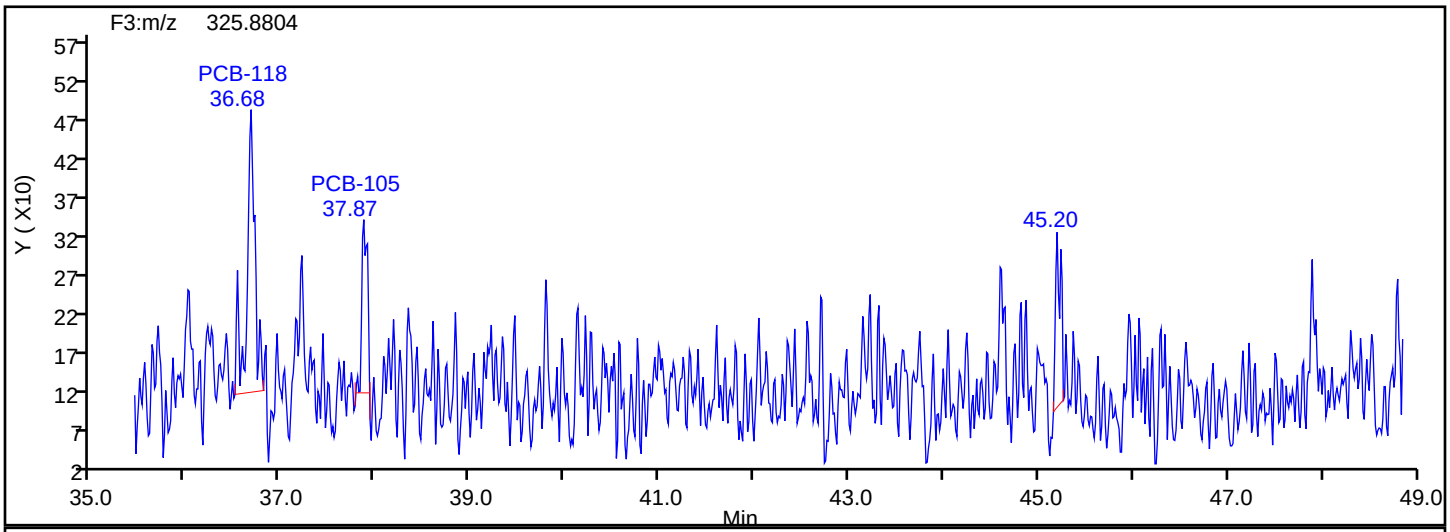
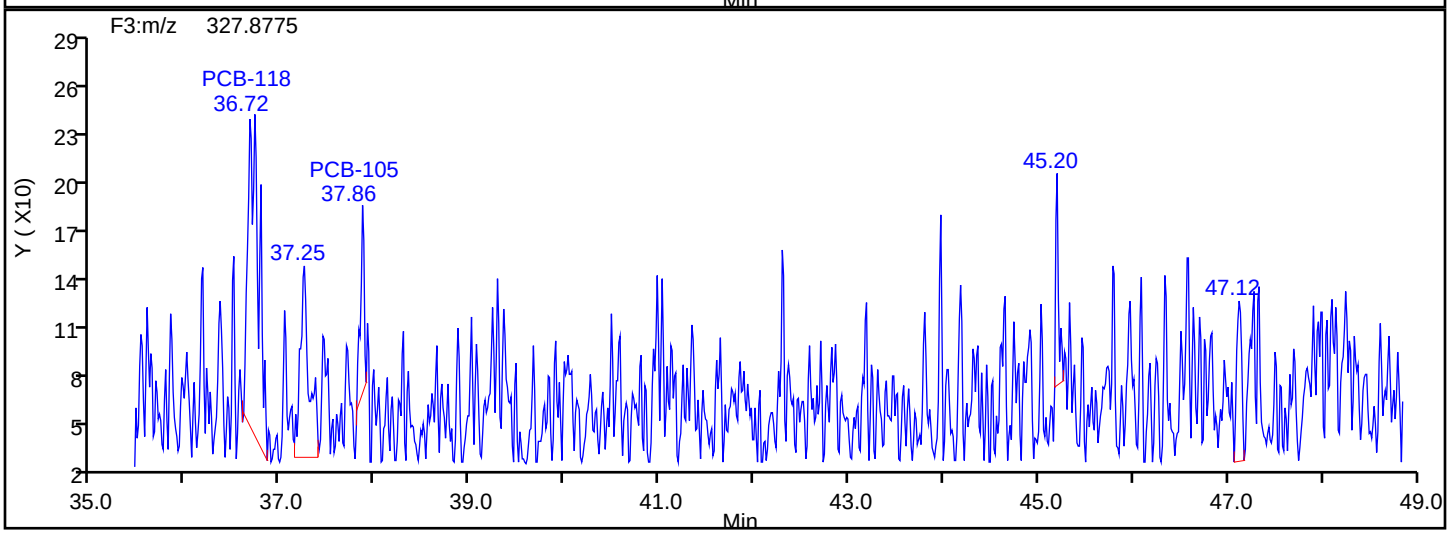
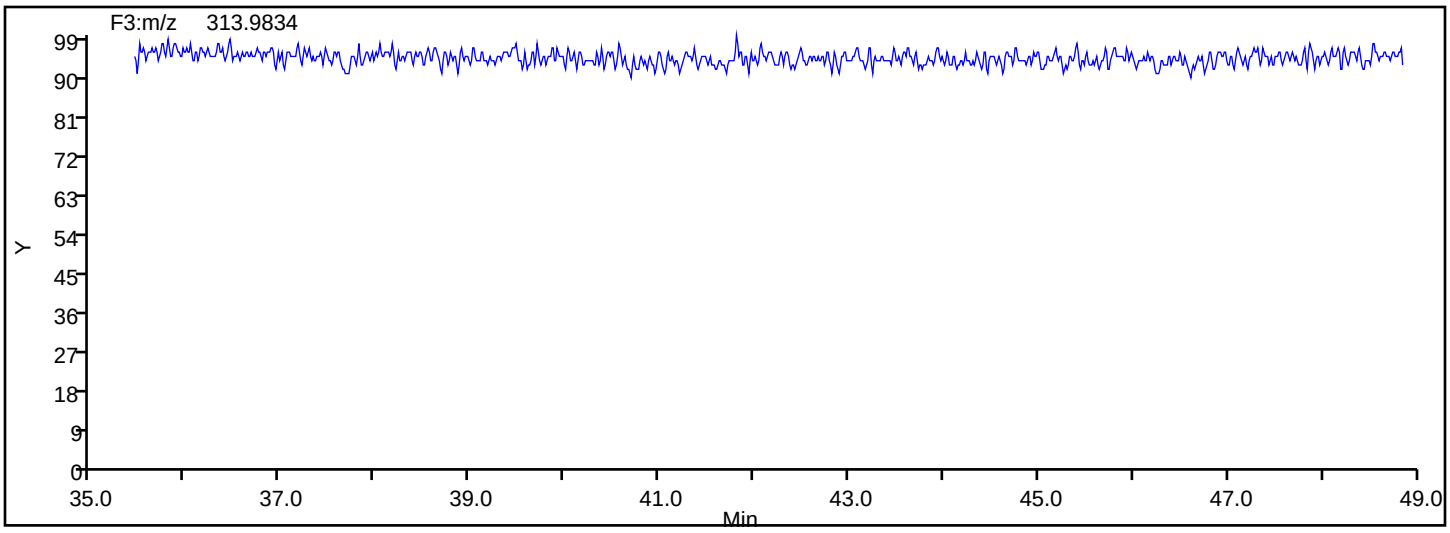
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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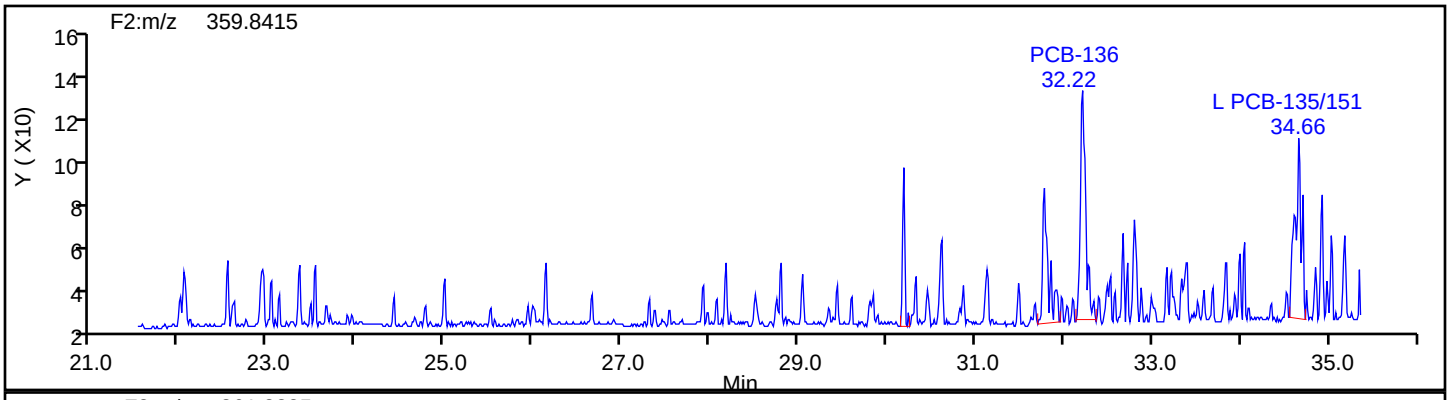
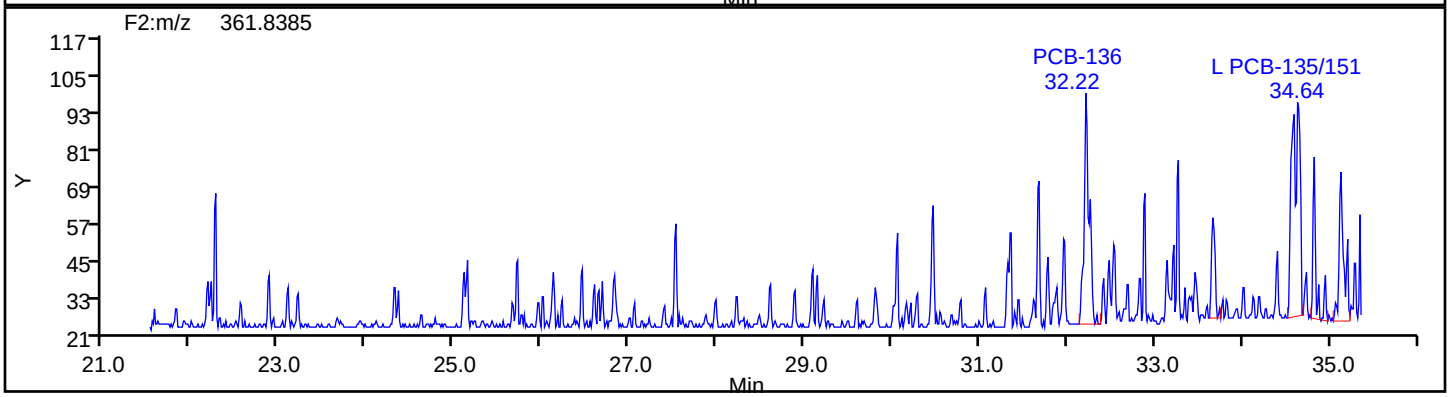
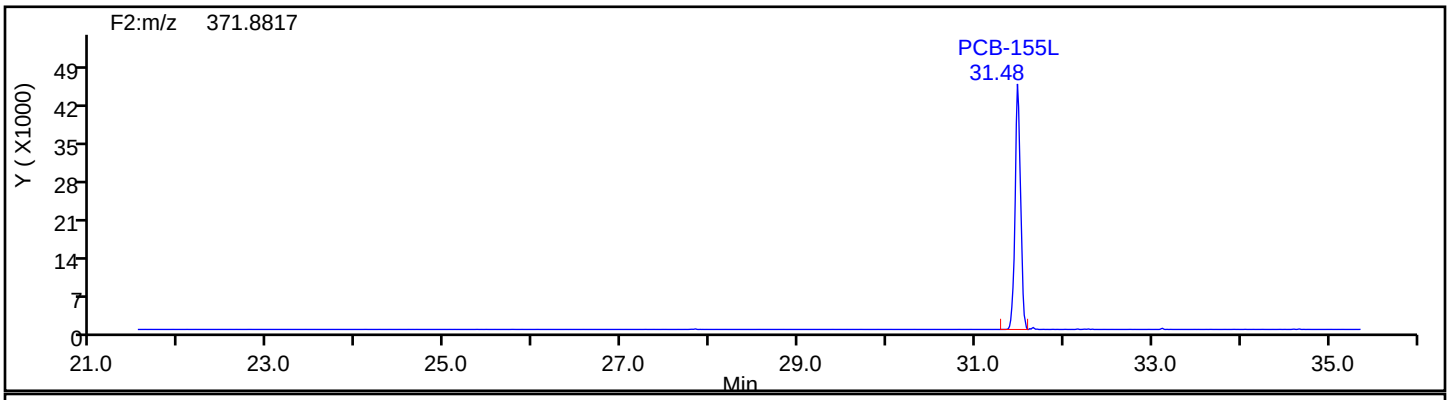
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

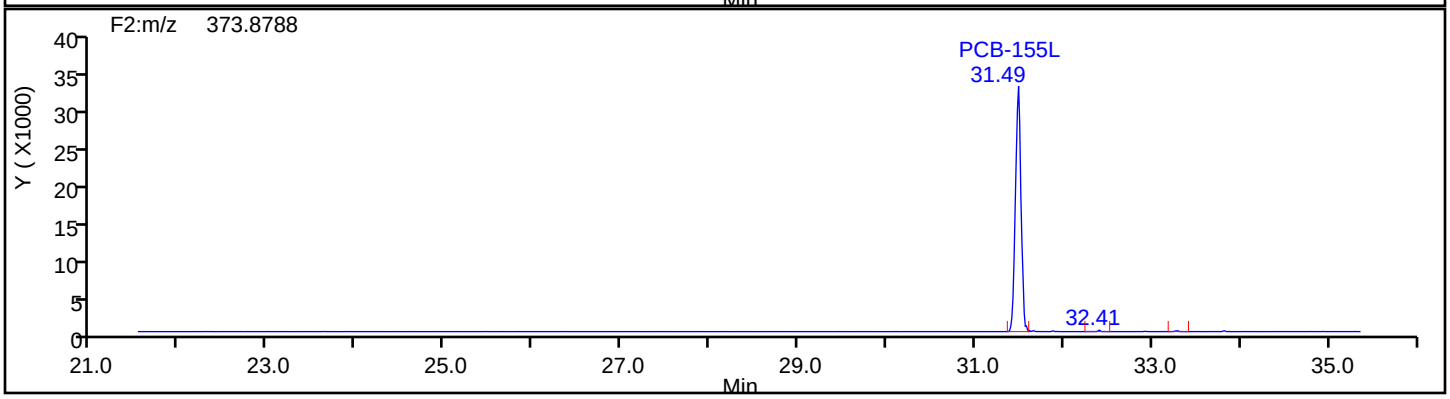
HxPCB F2




HxPCB F2 Standards



Eurofins TestAmerica, Knoxville

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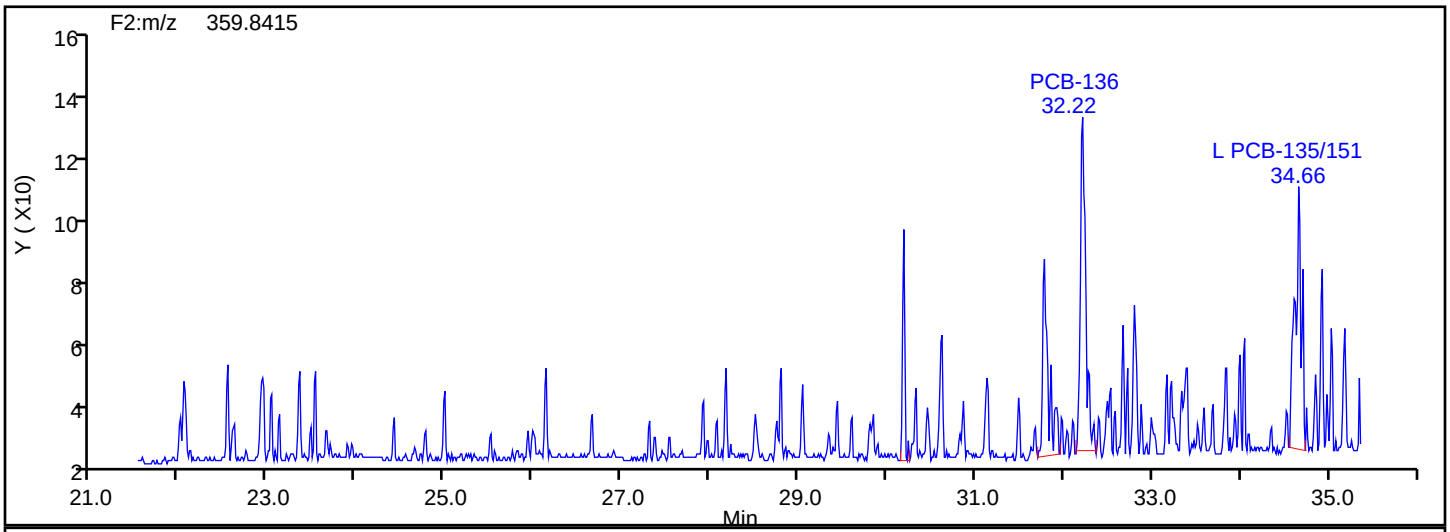
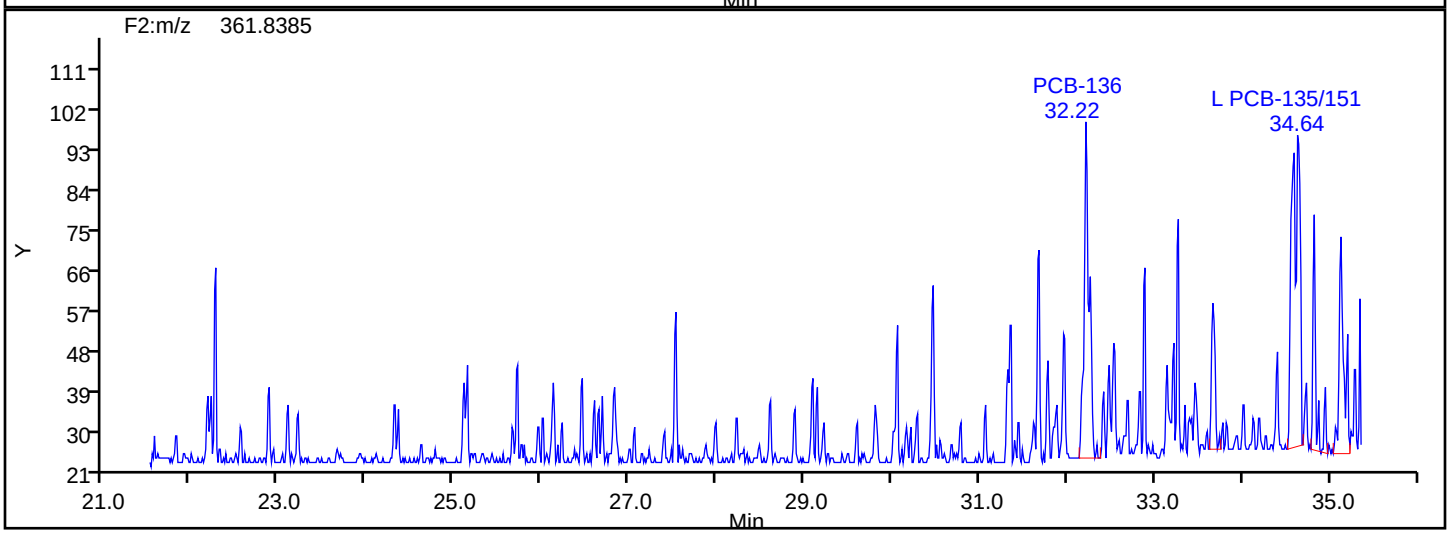
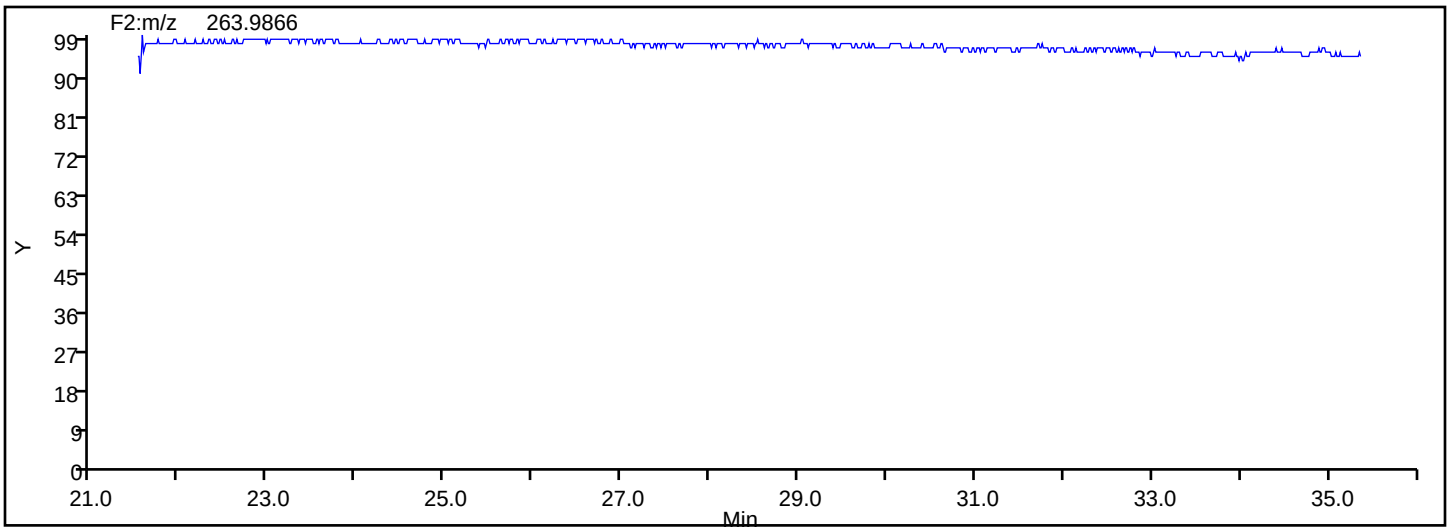
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Eurofins TestAmerica, Knoxville

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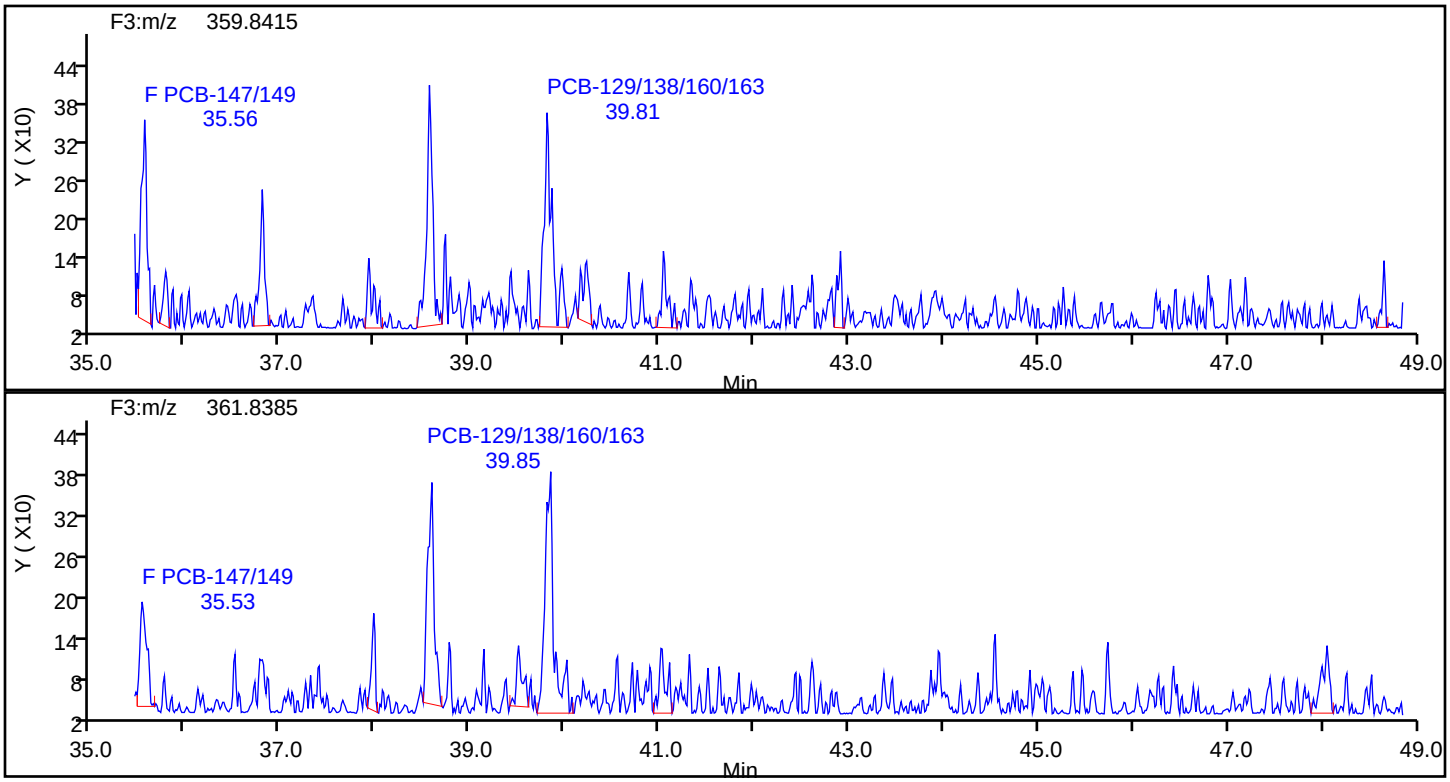
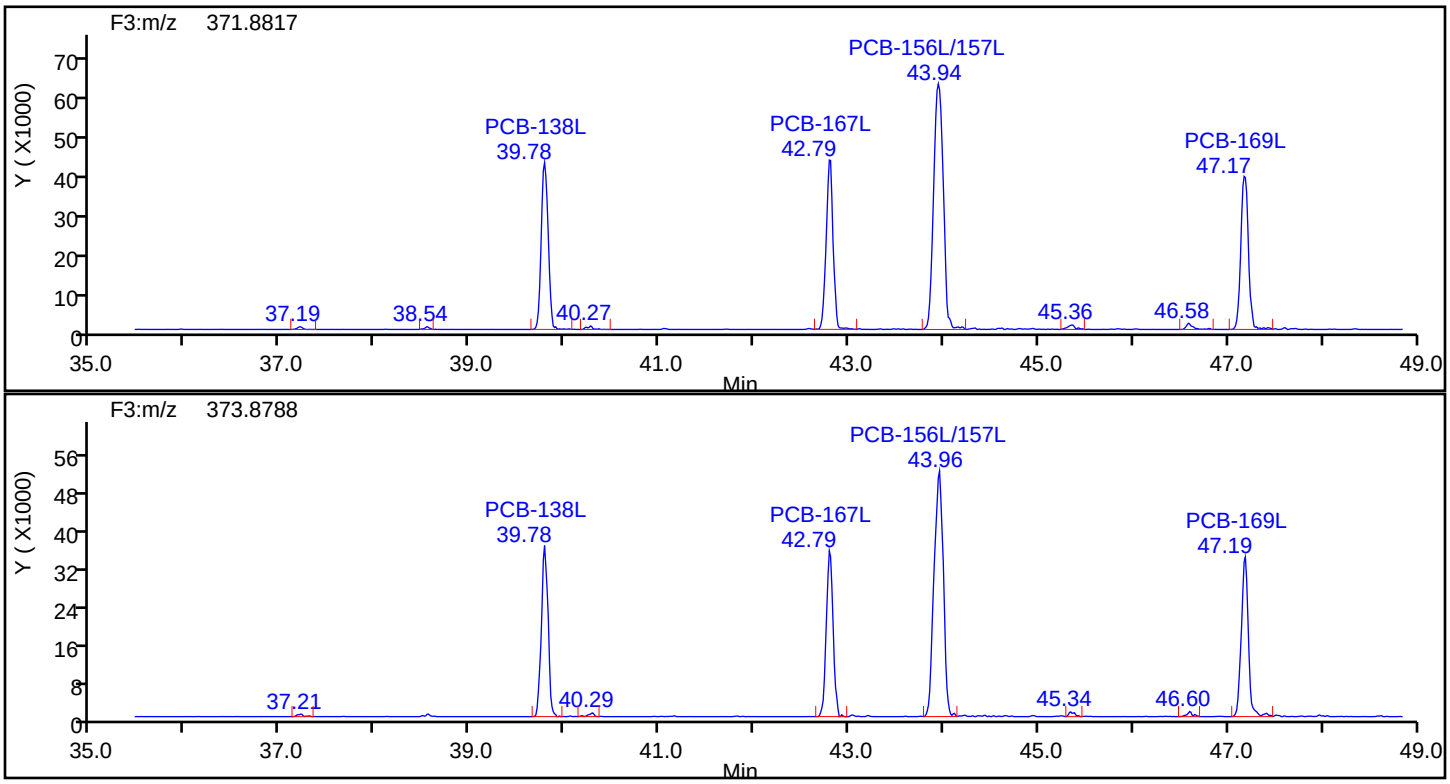
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

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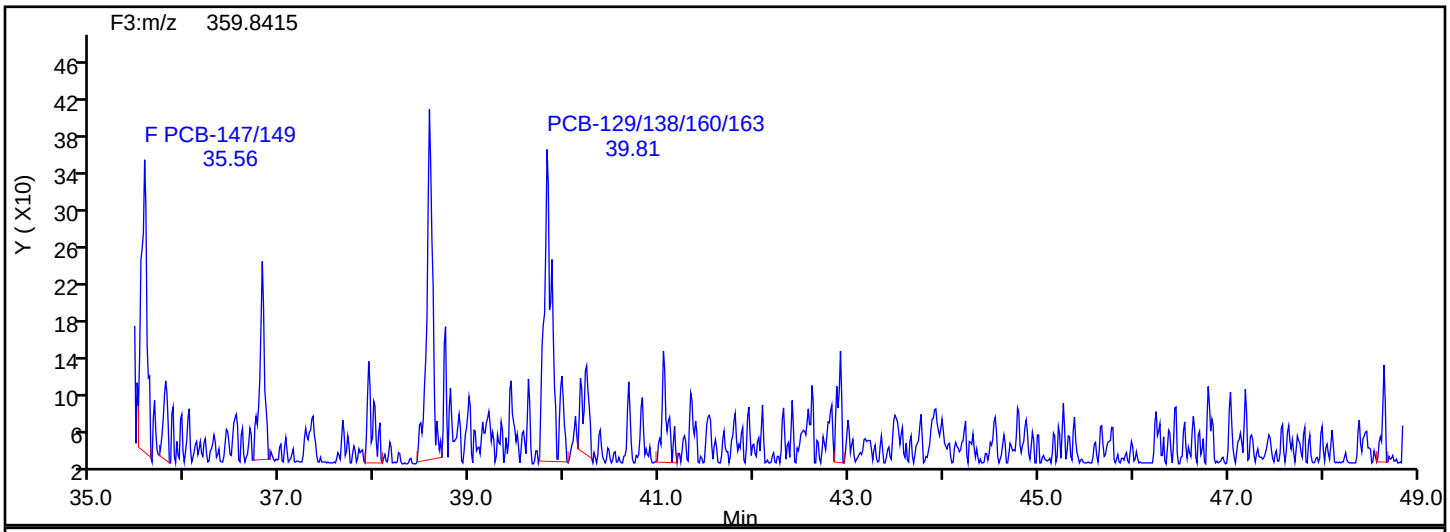
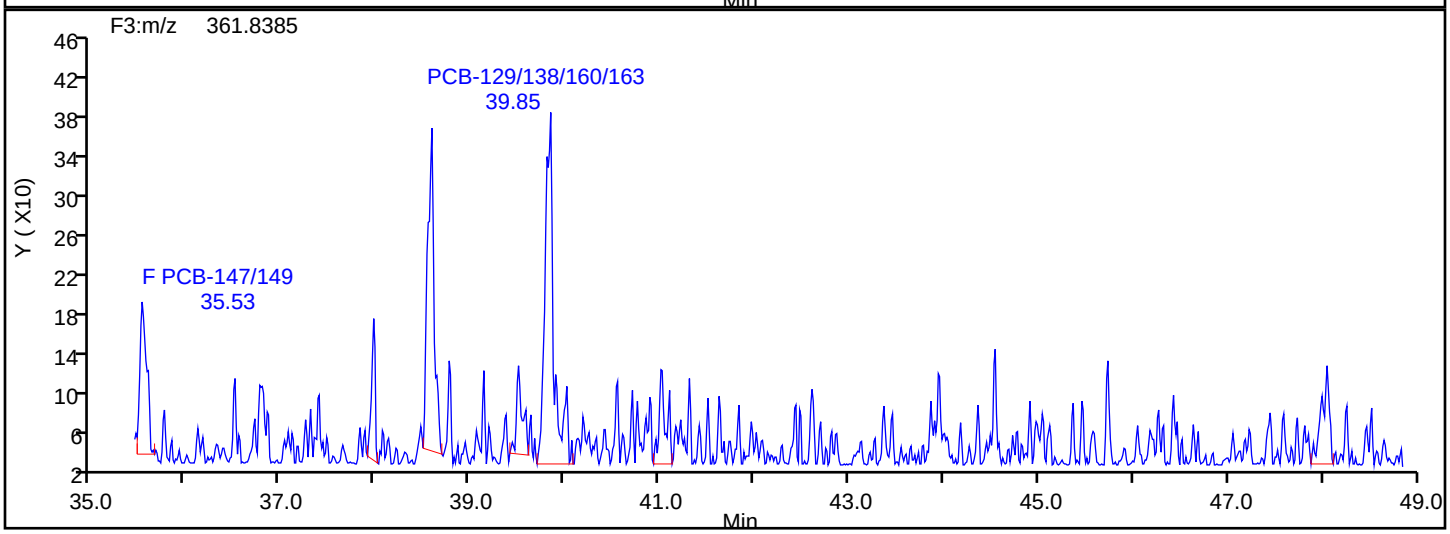
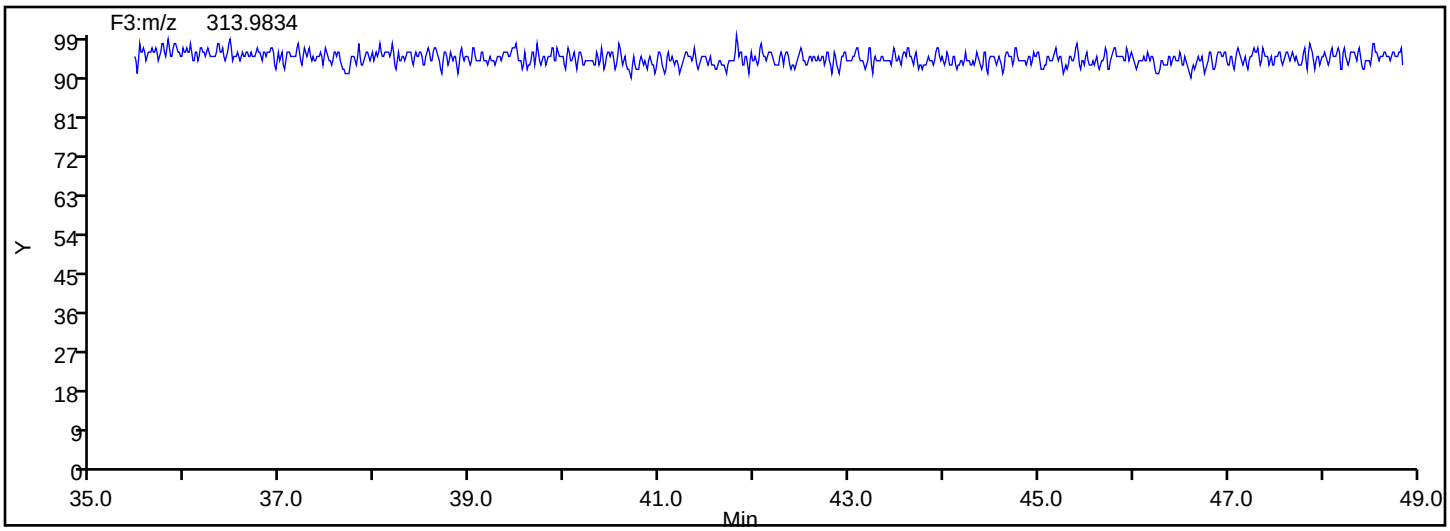
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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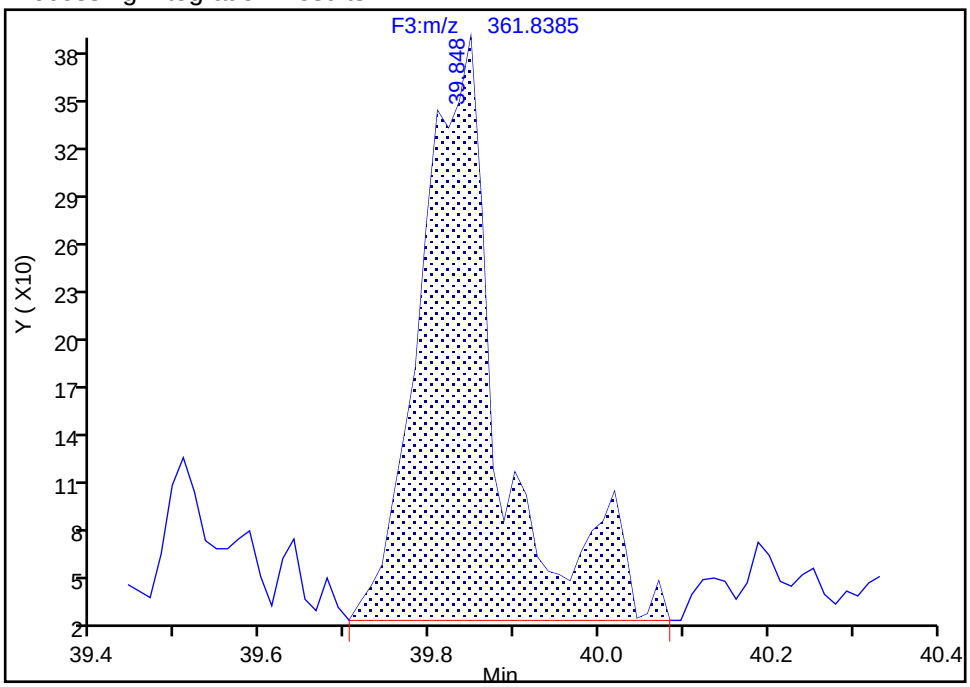
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

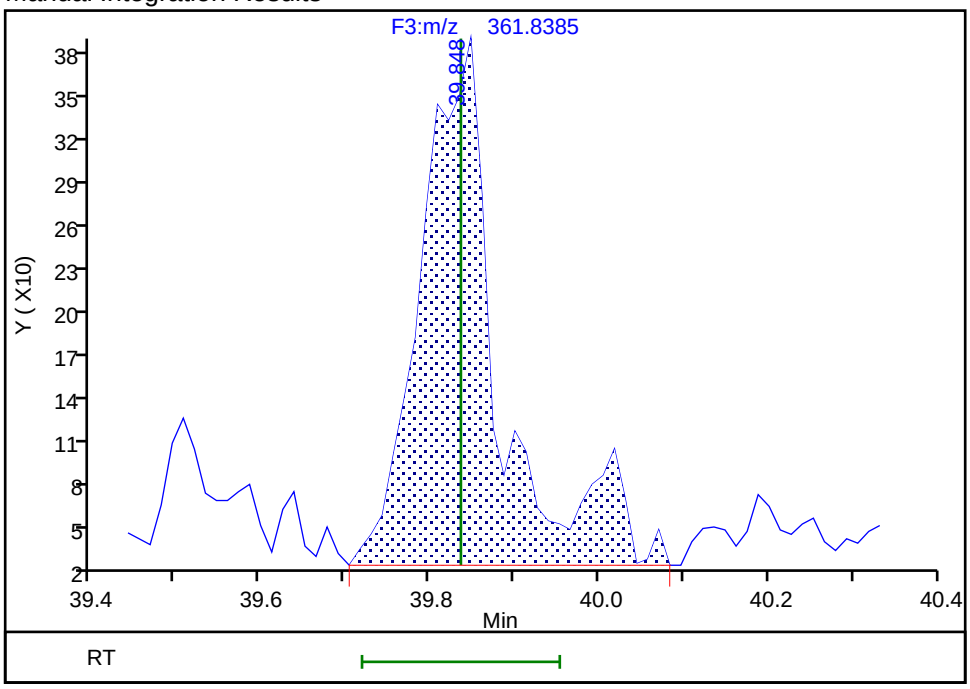
Processing Integration Results

RT: 39.85
Area: 2313
Amount: 0.186615
Amount Units: pg/ul




Manual Integration Results

RT: 39.85
Area: 2313
Amount: 0.198451
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 01:26:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

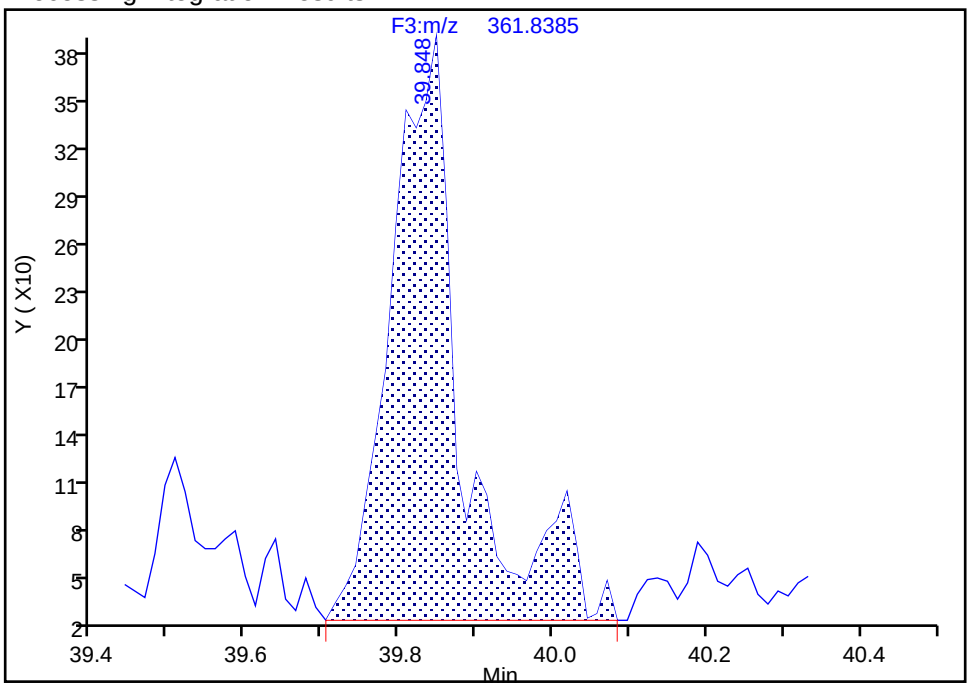
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d
Injection Date: 03-Oct-2019 14:39:00 Instrument ID: D3D
Lims ID: MB 140-33628/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 3

Processing Integration Results

RT: 39.81
Area: 4052
Amount: 0.186615
Amount Units: pg/ul




Manual Integration Results

RT: 39.81
Area: 4309
Amount: 0.198451
Amount Units: pg/ul
Reviewer: mcwhirterl, 04-Oct-2019 01:26:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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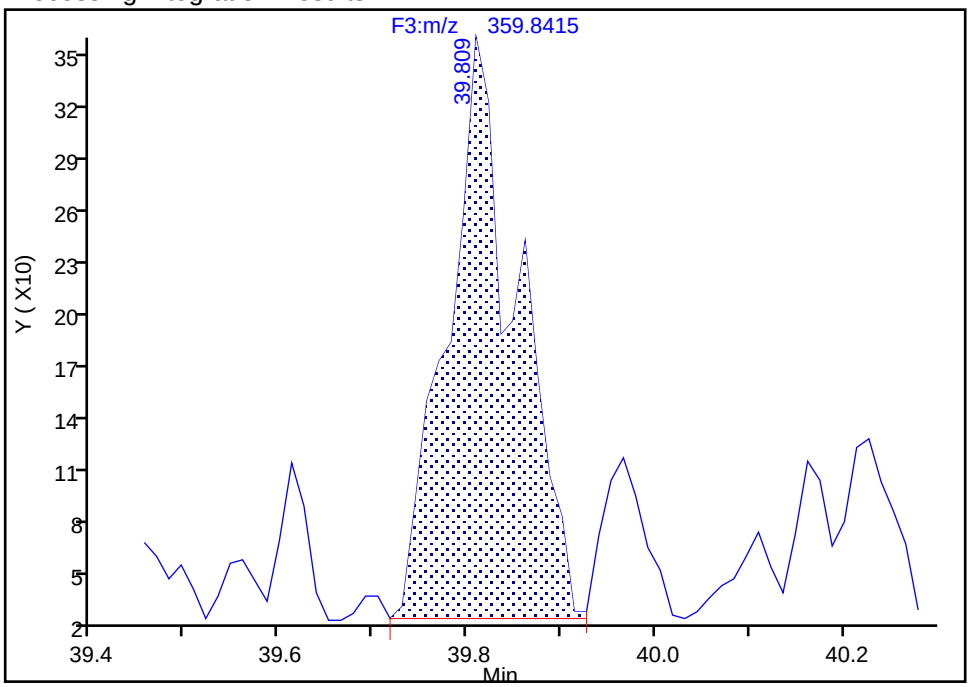
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

Processing Integration Results

RT: 39.81
Area: 1739
Amount: 0.186615
Amount Units: pg/ul




Manual Integration Results

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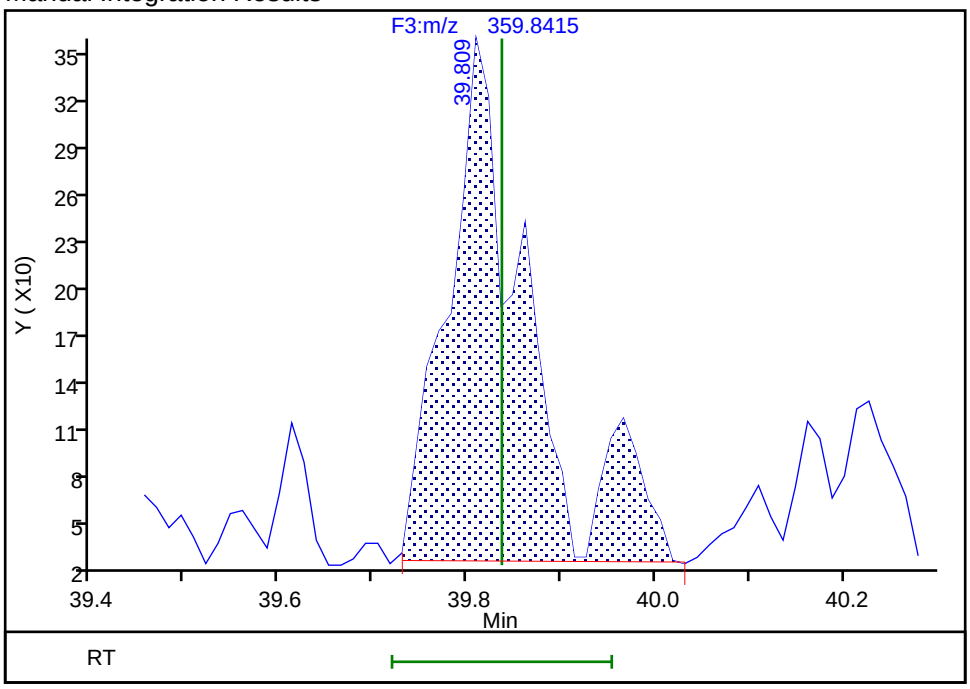
Area: 1996
Amount: 0.198451
Amount Units: pg/ul




Reviewer: mcwhirterl, 04-Oct-2019 01:26:28
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason:

Eurofins TestAmerica, Knoxville

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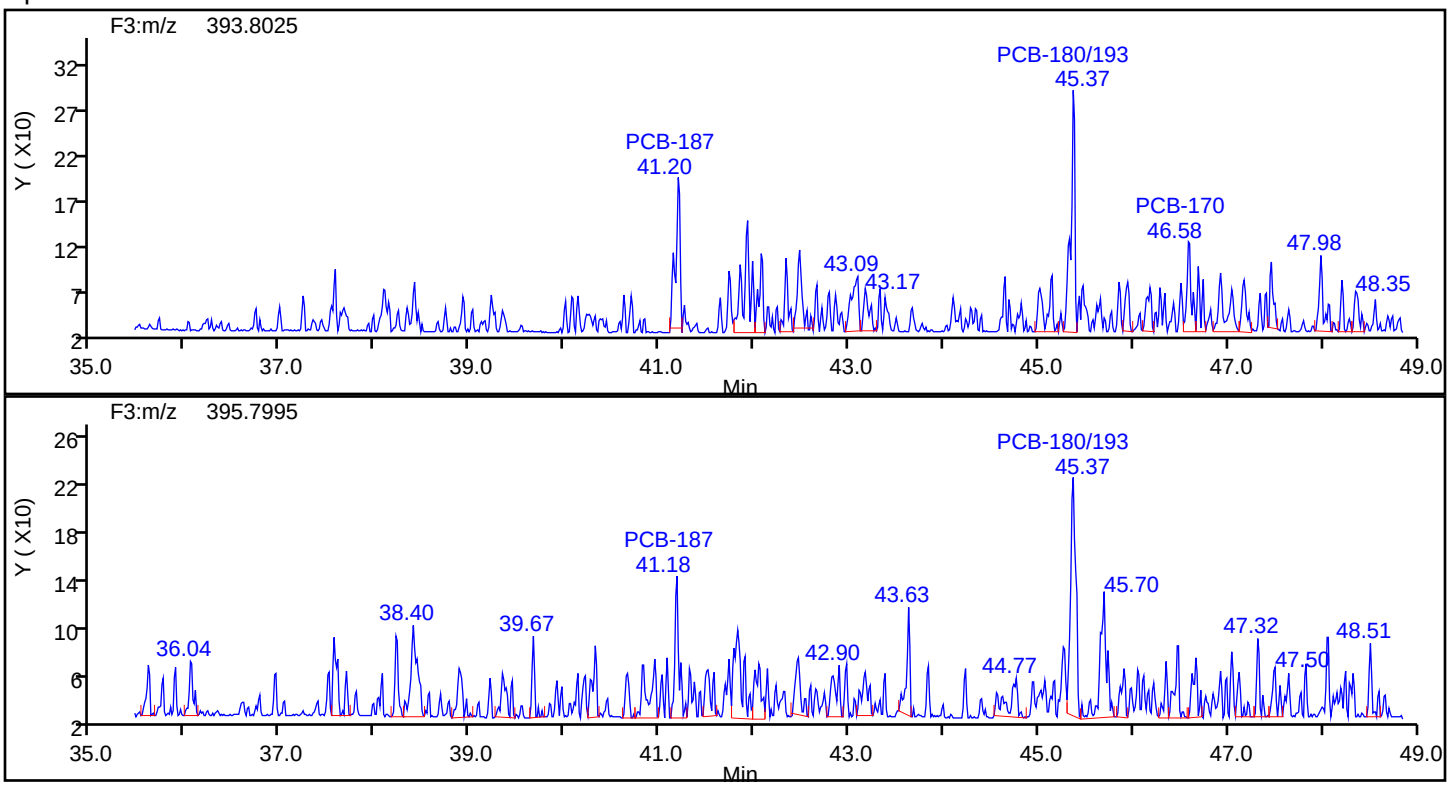
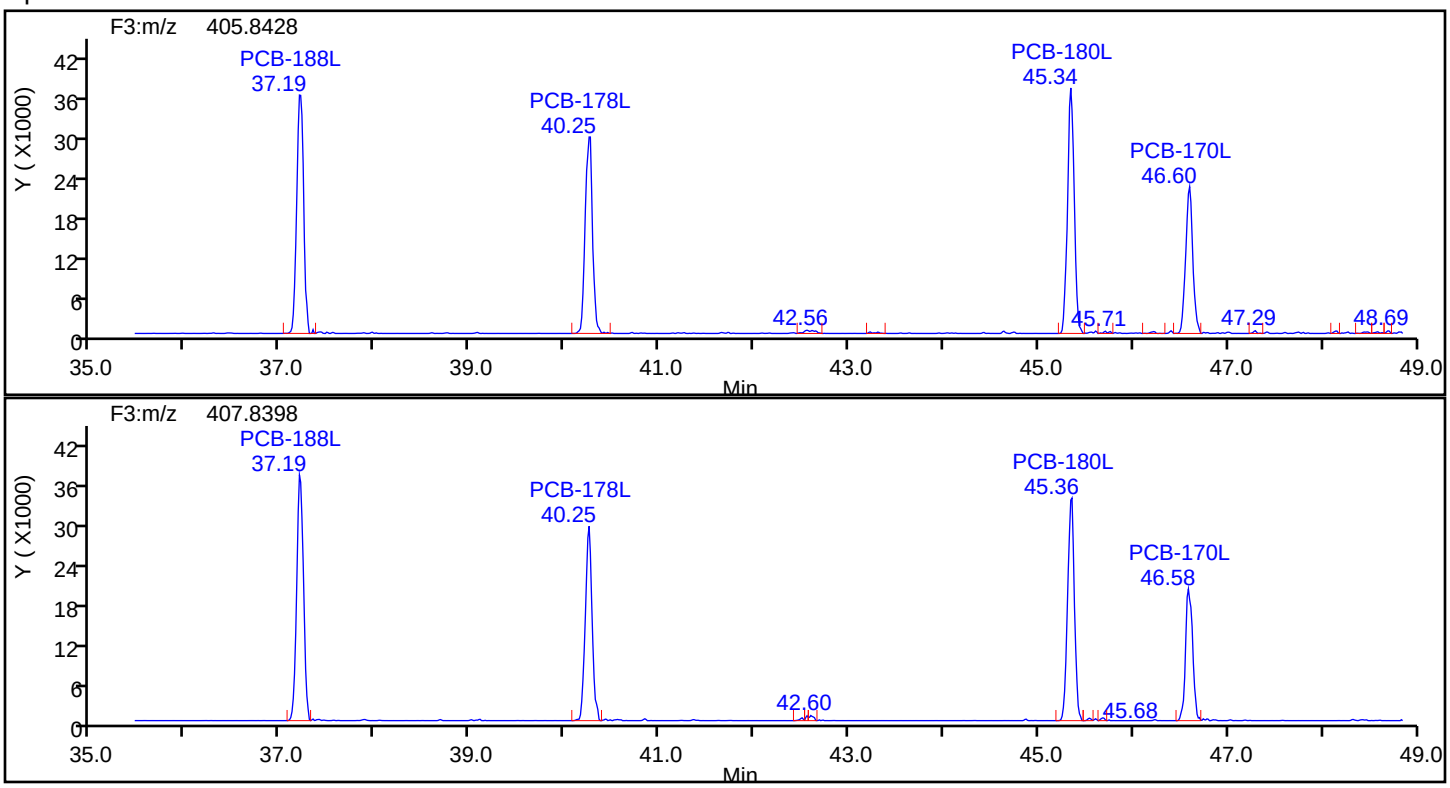
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Standards



Eurofins TestAmerica, Knoxville

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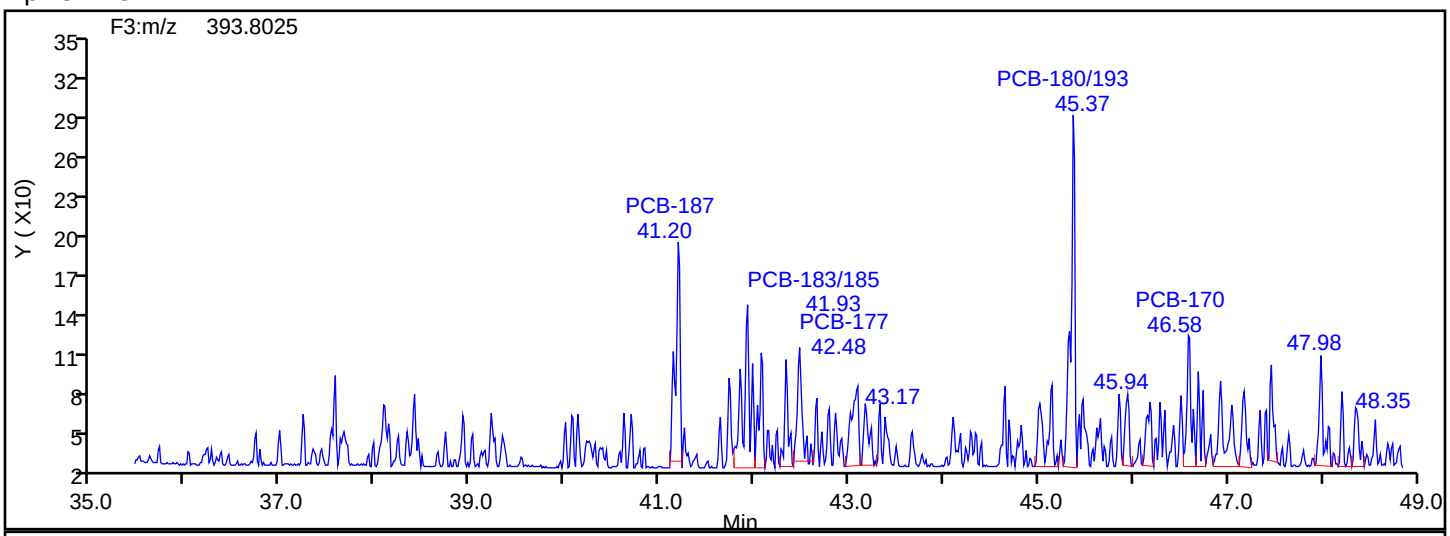
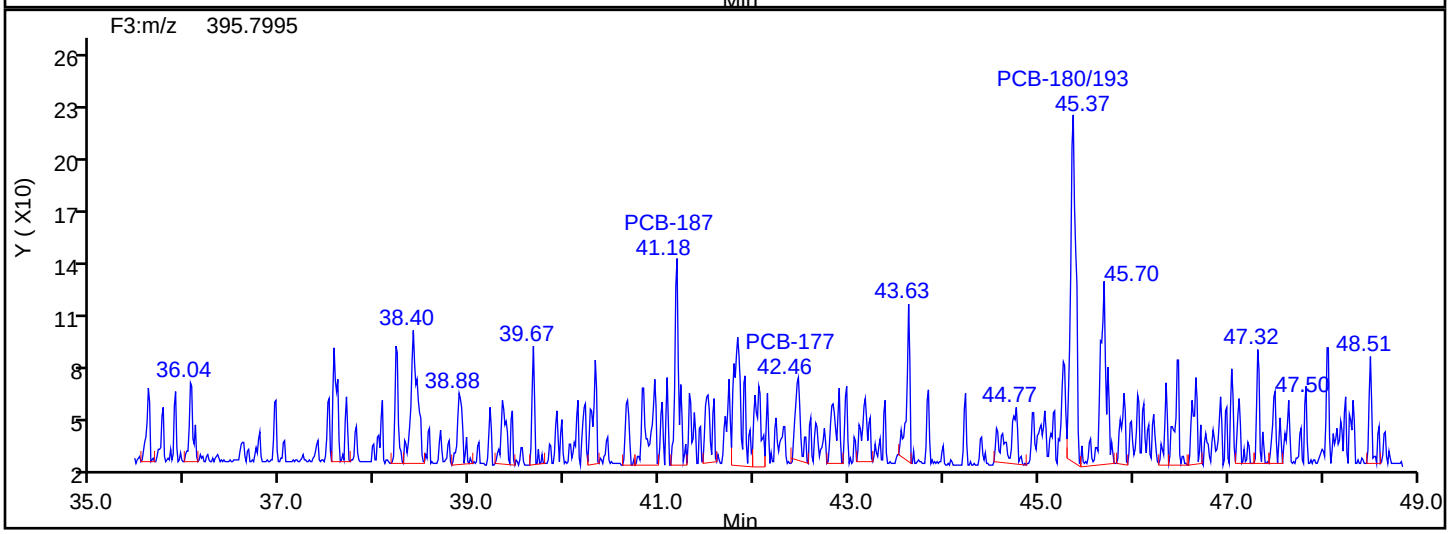
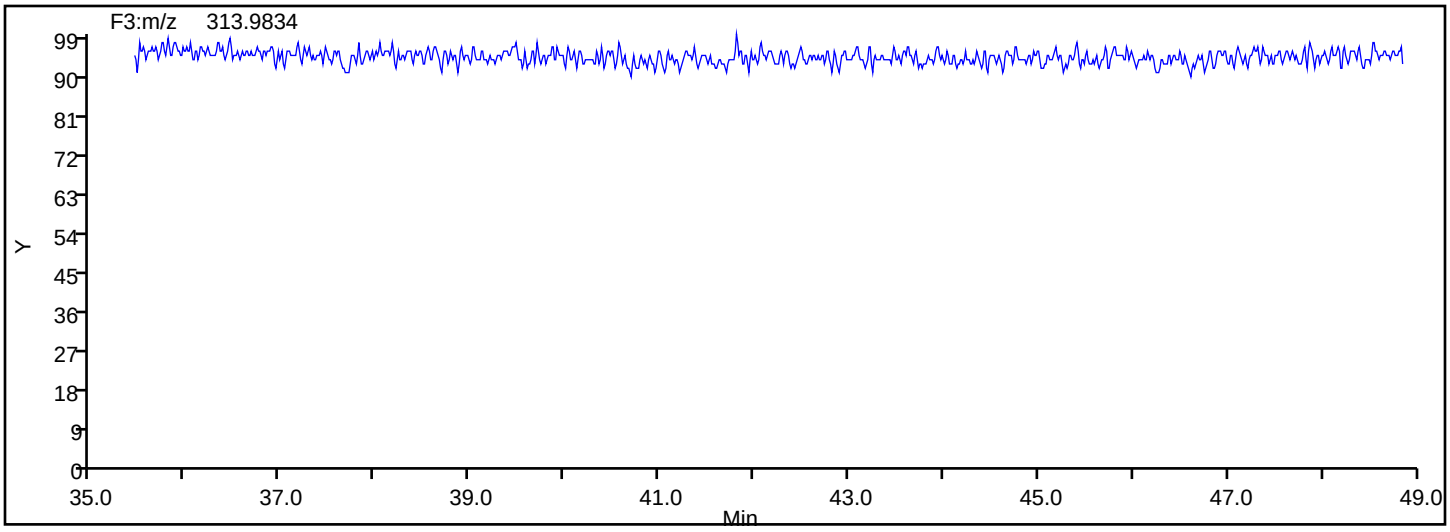
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

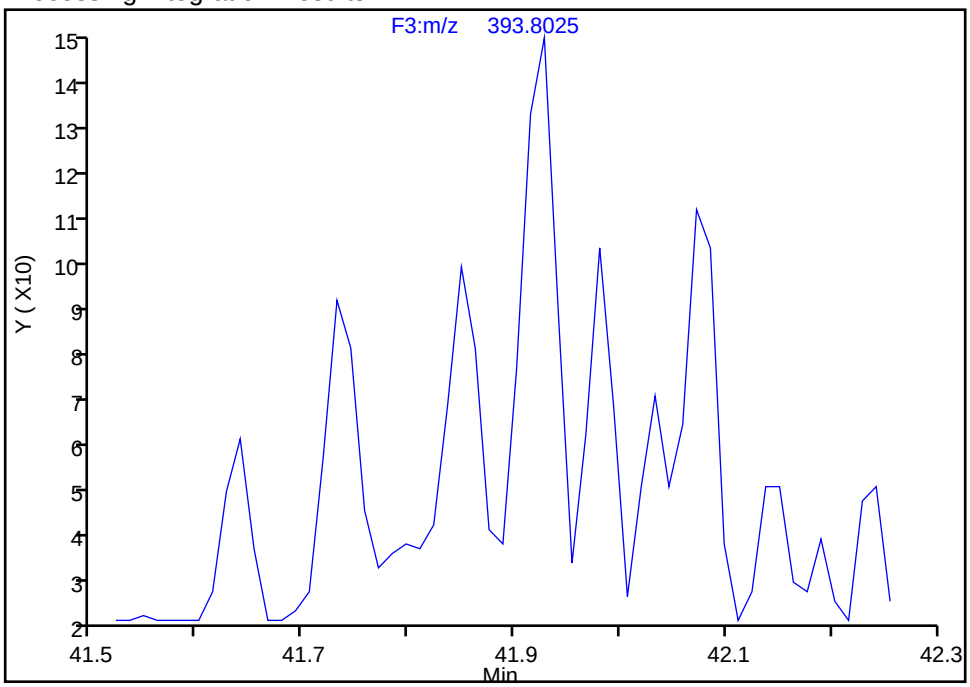
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

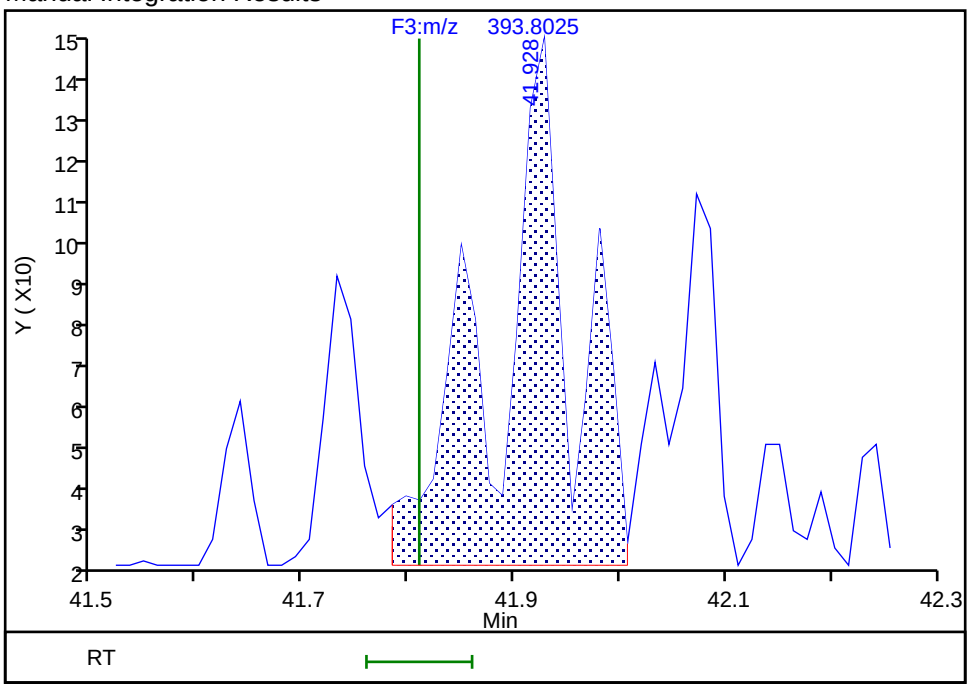
Not Detected
Expected RT: 41.81

Processing Integration Results




Manual Integration Results

RT: 41.93
Area: 621
Amount: 0.065280
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:07:55
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

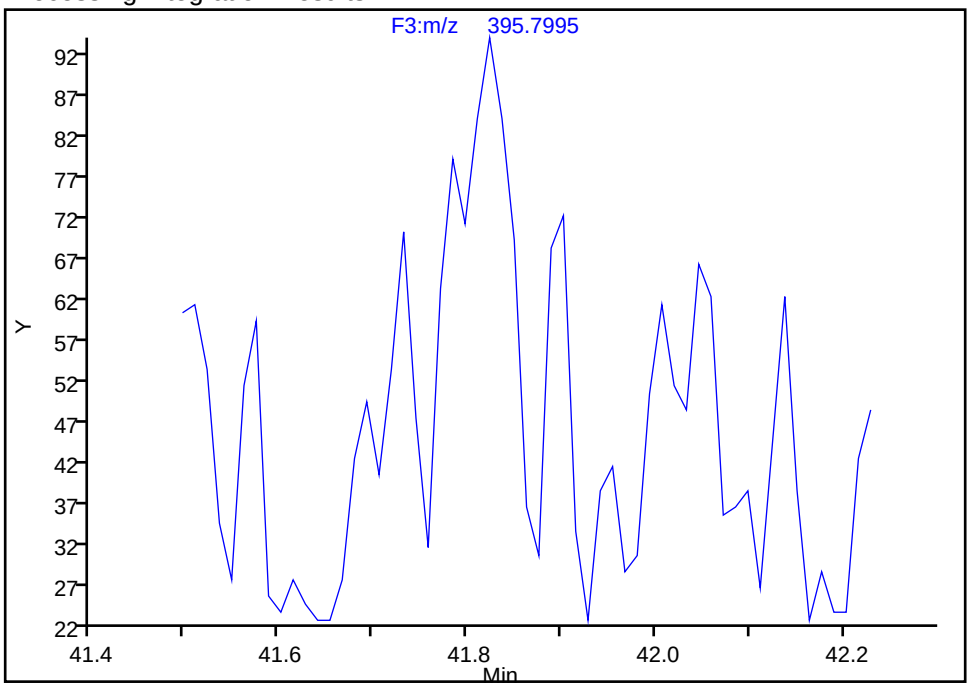
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

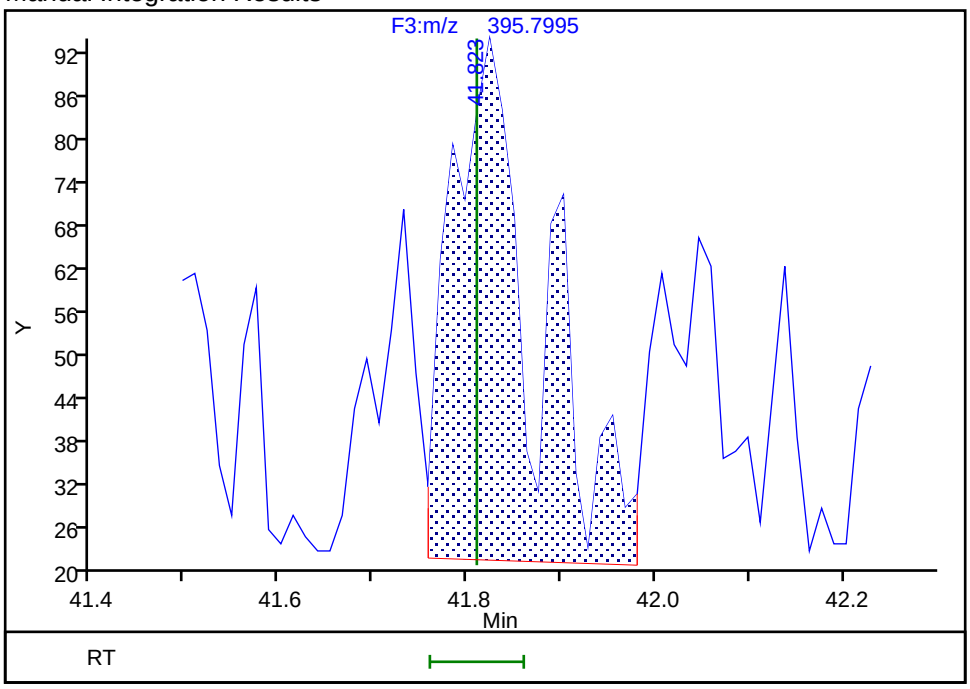
Processing Integration Results

Not Detected
Expected RT: 41.81




Manual Integration Results

RT: 41.82
Area: 466
Amount: 0.065280
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:08:11
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

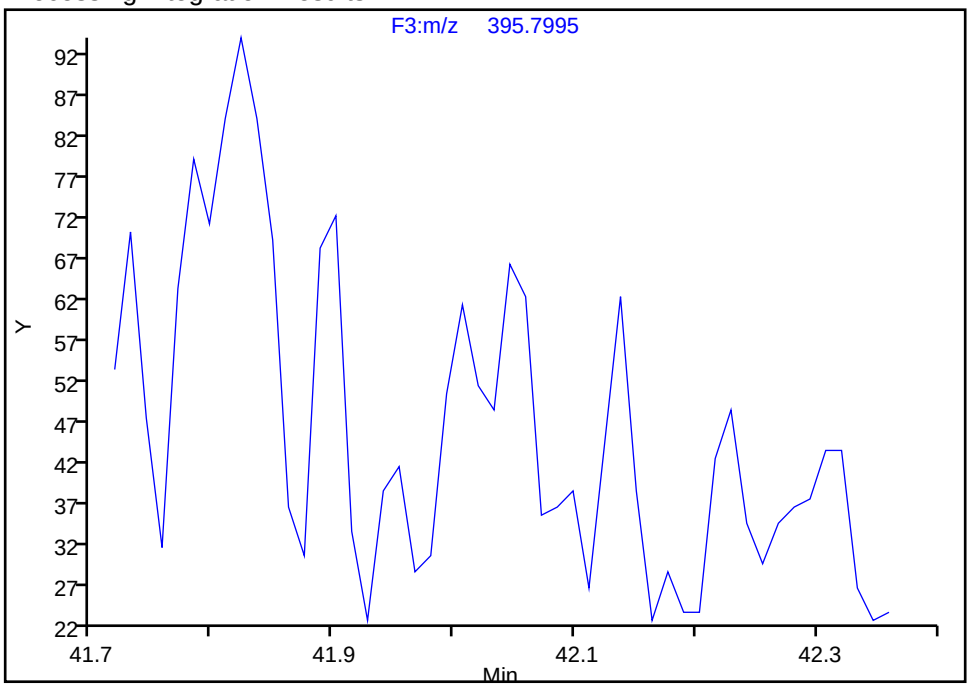
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d
Injection Date: 03-Oct-2019 14:39:00 Instrument ID: D3D
Lims ID: MB 140-33628/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-174, CAS: 38411-25-5

Signal: 2

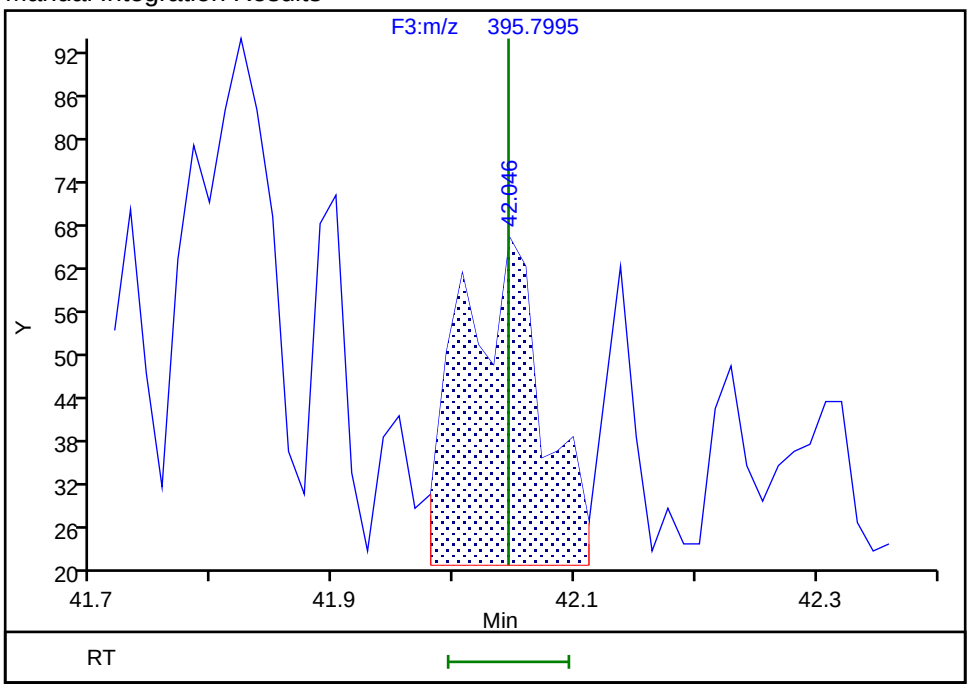
Not Detected
Expected RT: 42.04

Processing Integration Results




Manual Integration Results

RT: 42.05
Area: 216
Amount: 0.033754
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:08:11
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

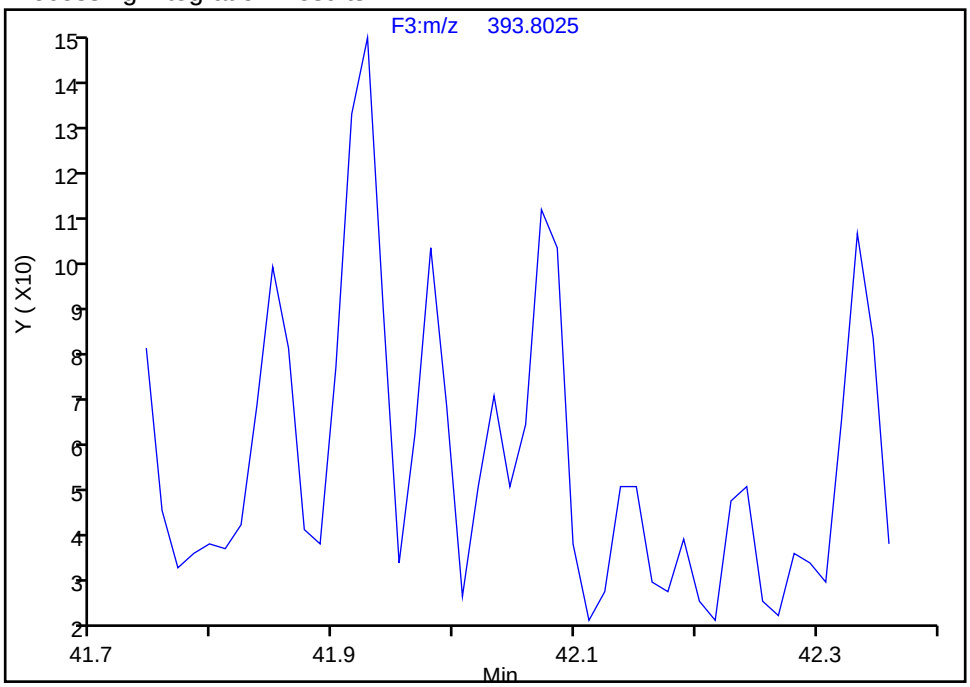
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-174, CAS: 38411-25-5

Signal: 1

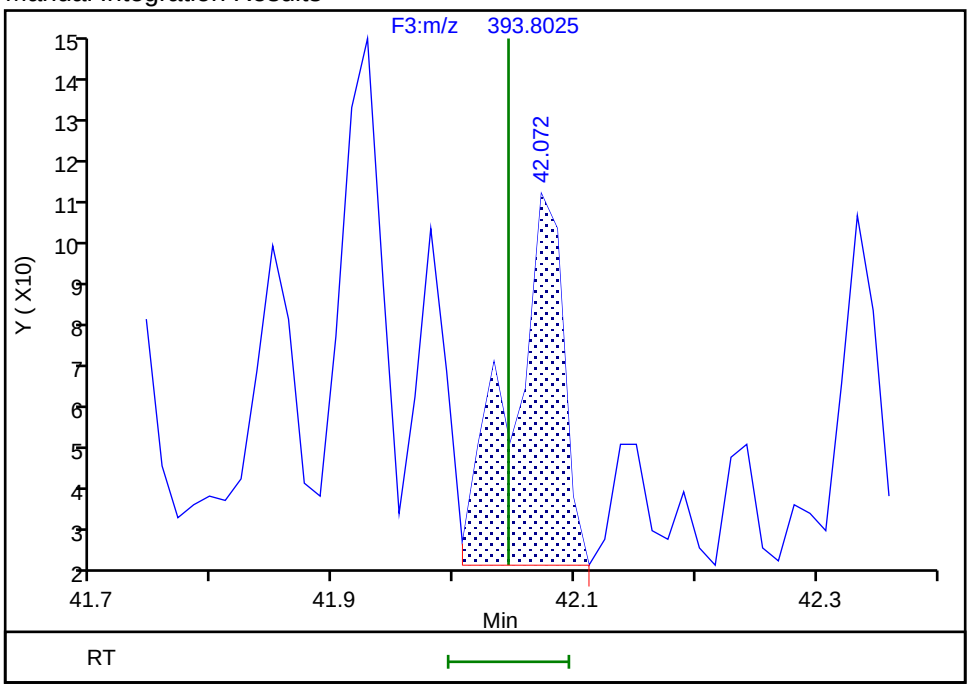
Not Detected
Expected RT: 42.04

Processing Integration Results




Manual Integration Results

RT: 42.07
Area: 256
Amount: 0.033754
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:08:18
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

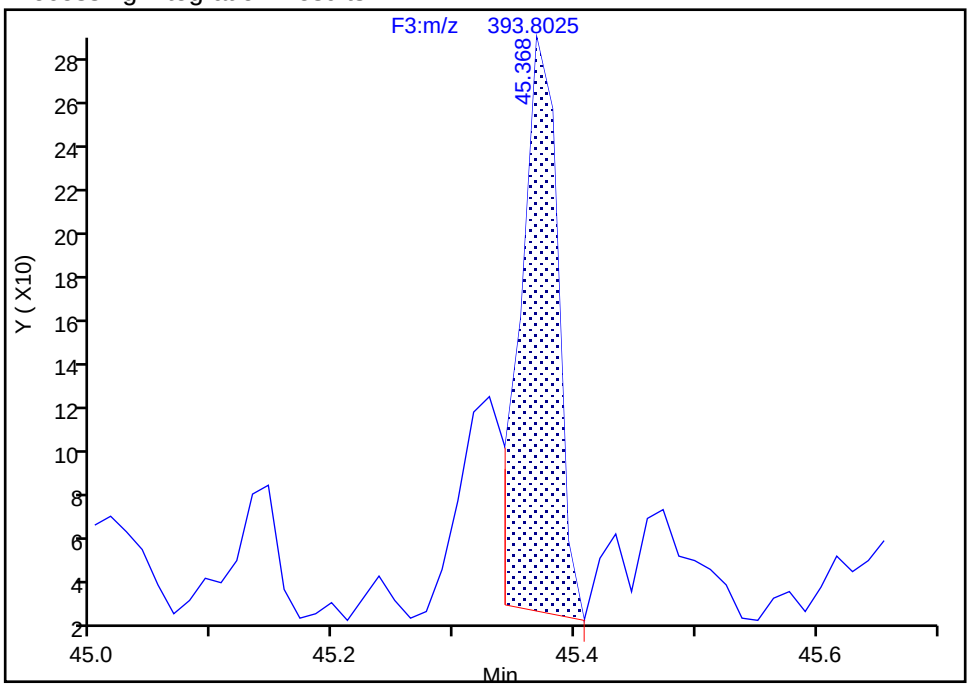
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

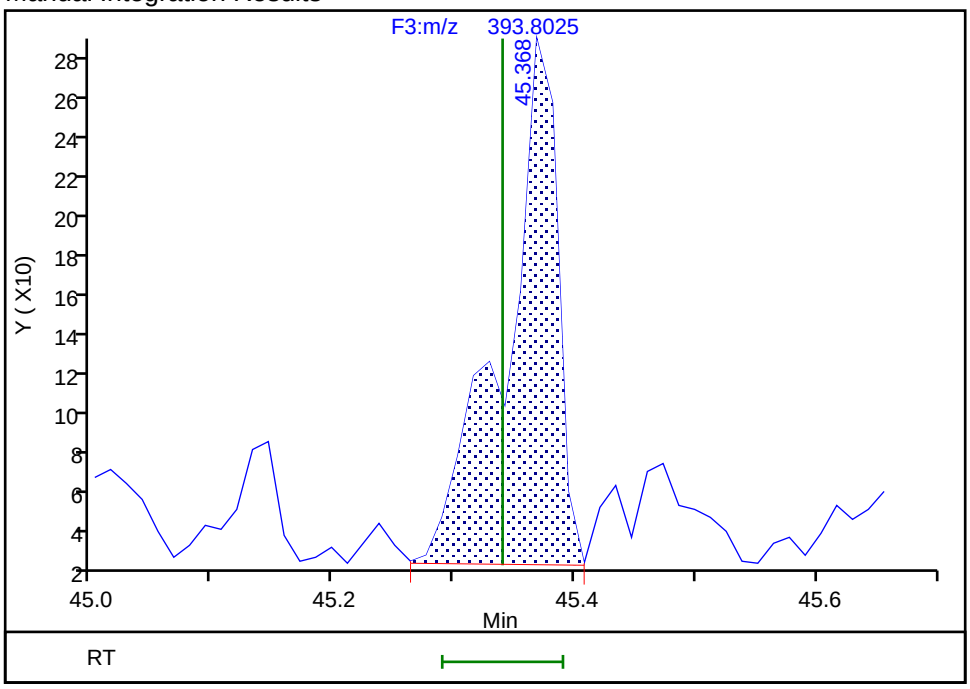
Processing Integration Results

RT: 45.37
Area: 540
Amount: 0.092746
Amount Units: pg/ul




Manual Integration Results

RT: 45.37
Area: 805
Amount: 0.087522
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:08:32

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

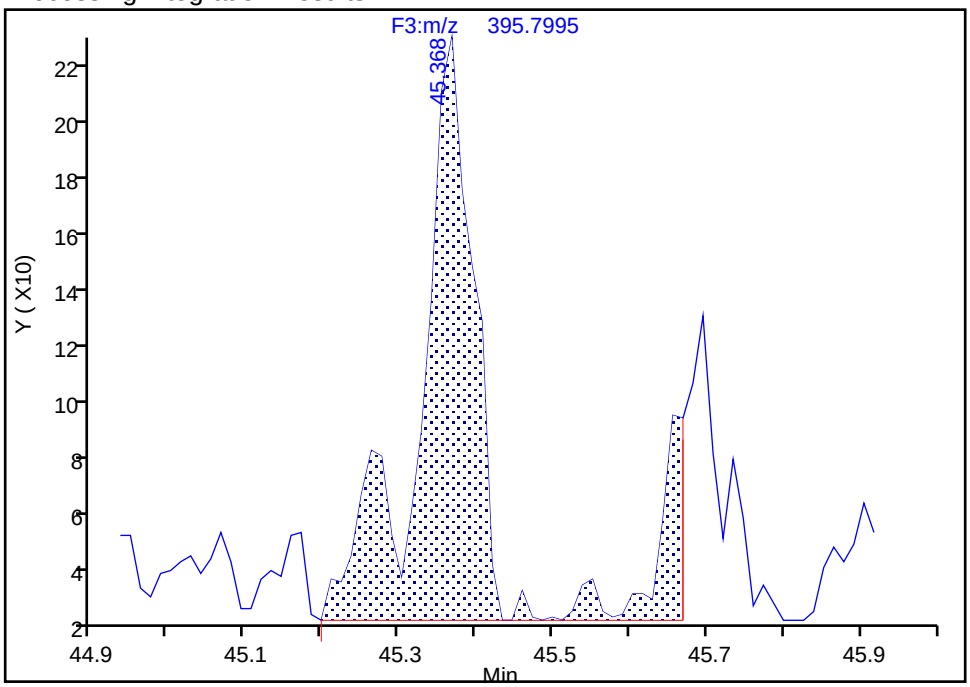
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 2

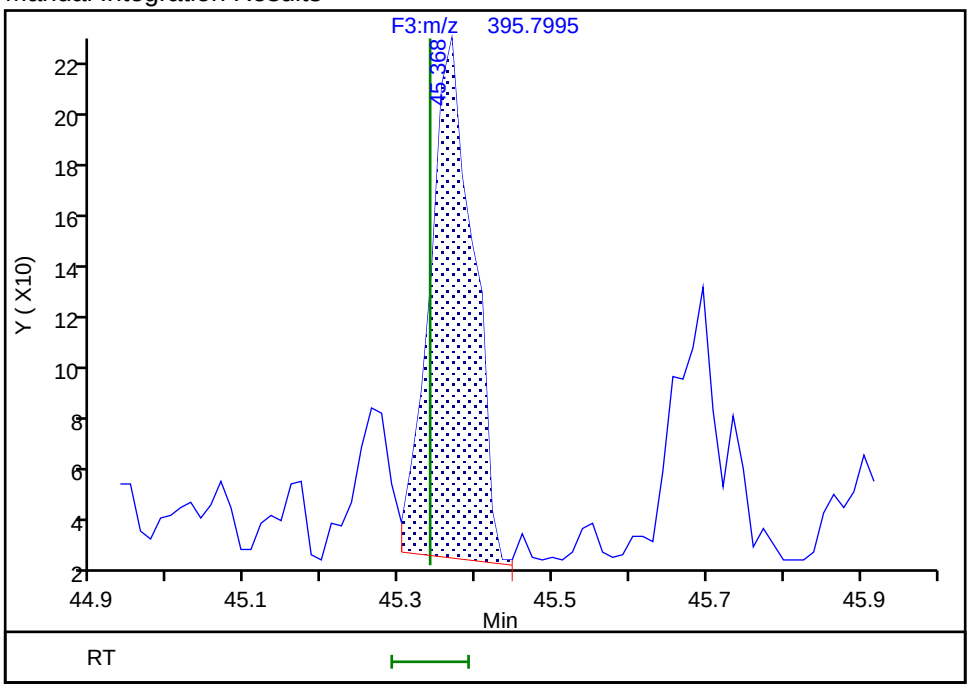
Processing Integration Results

RT: 45.37
Area: 1129
Amount: 0.092746
Amount Units: pg/ul




Manual Integration Results

RT: 45.37
Area: 770
Amount: 0.087522
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:08:36
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

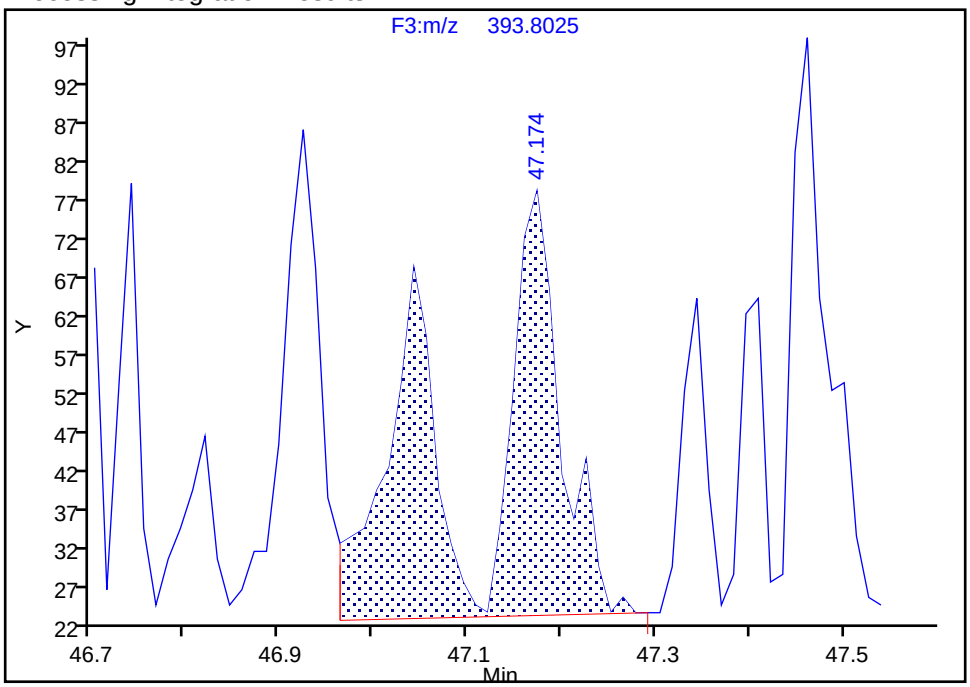
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-33628/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-190, CAS: 41411-64-7

Signal: 1

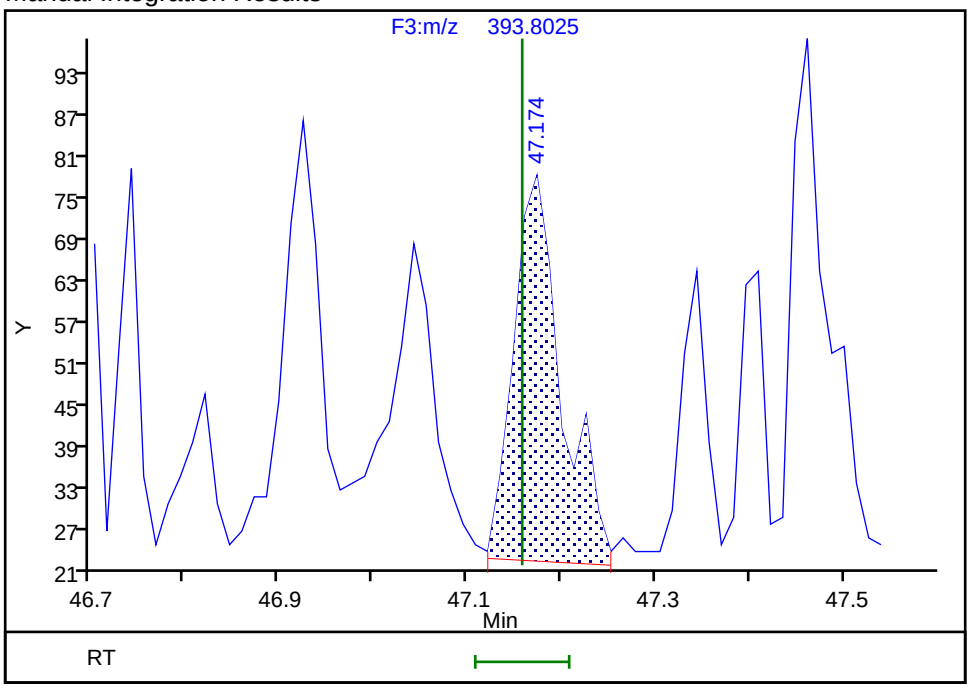
Processing Integration Results

RT: 47.17
Area: 358
Amount: 0.022999
Amount Units: pg/ul




Manual Integration Results

RT: 47.17
Area: 200
Amount: 0.015168
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:08:48

Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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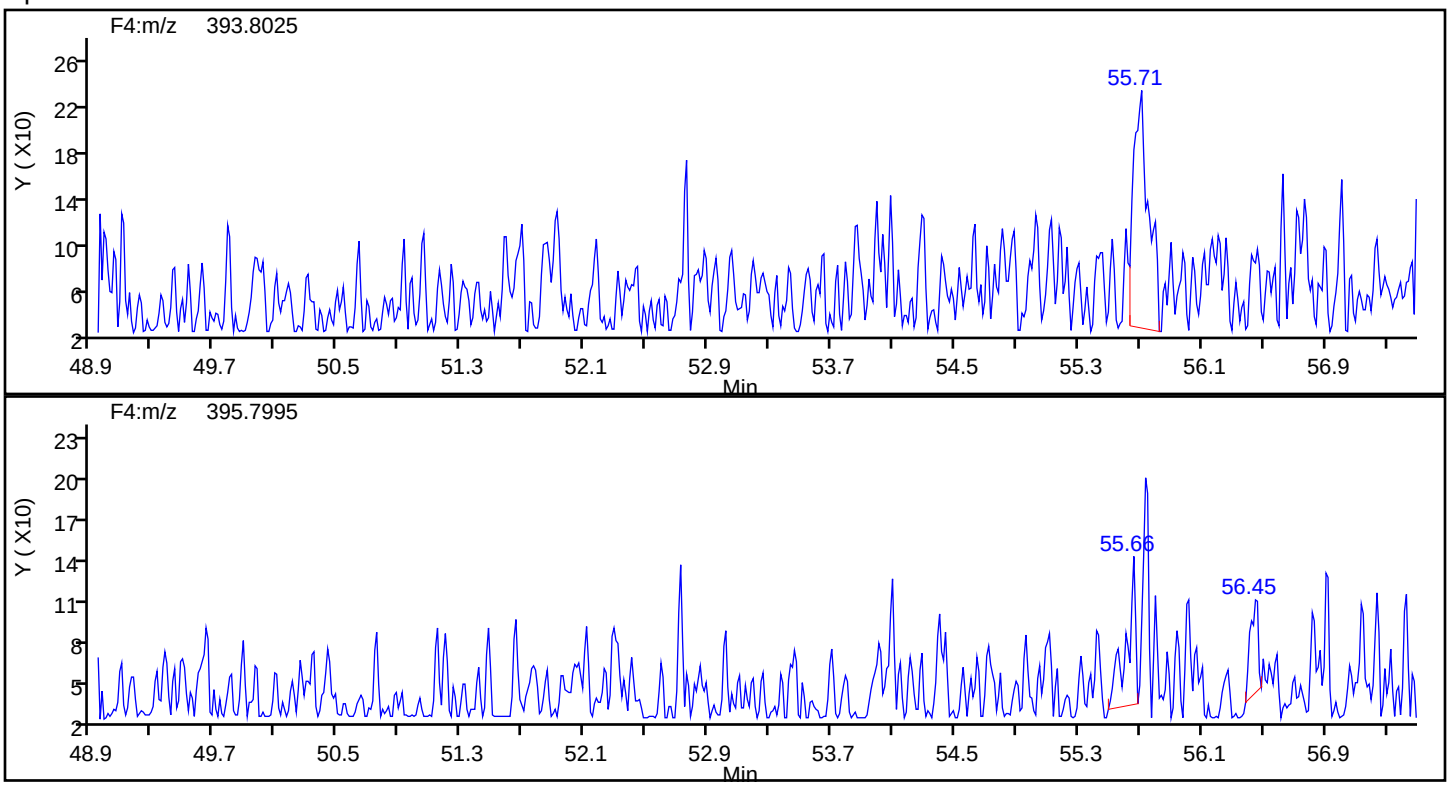
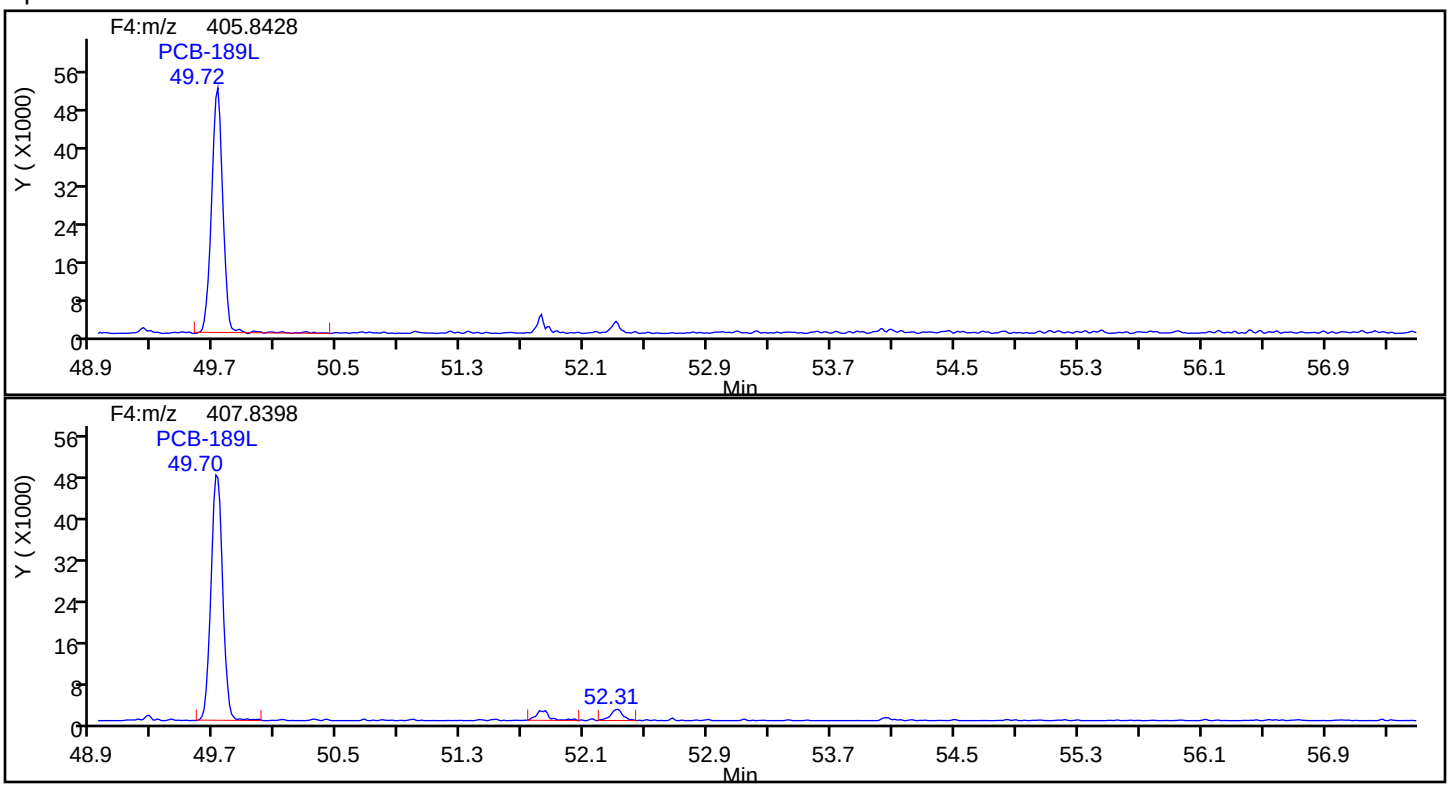
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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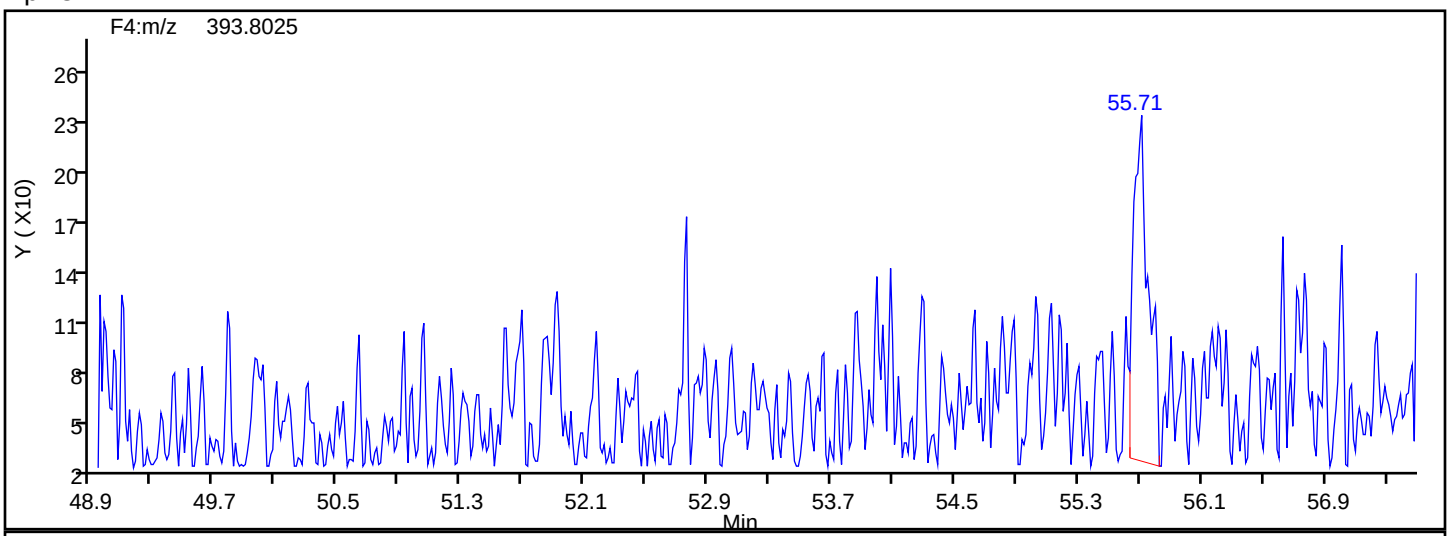
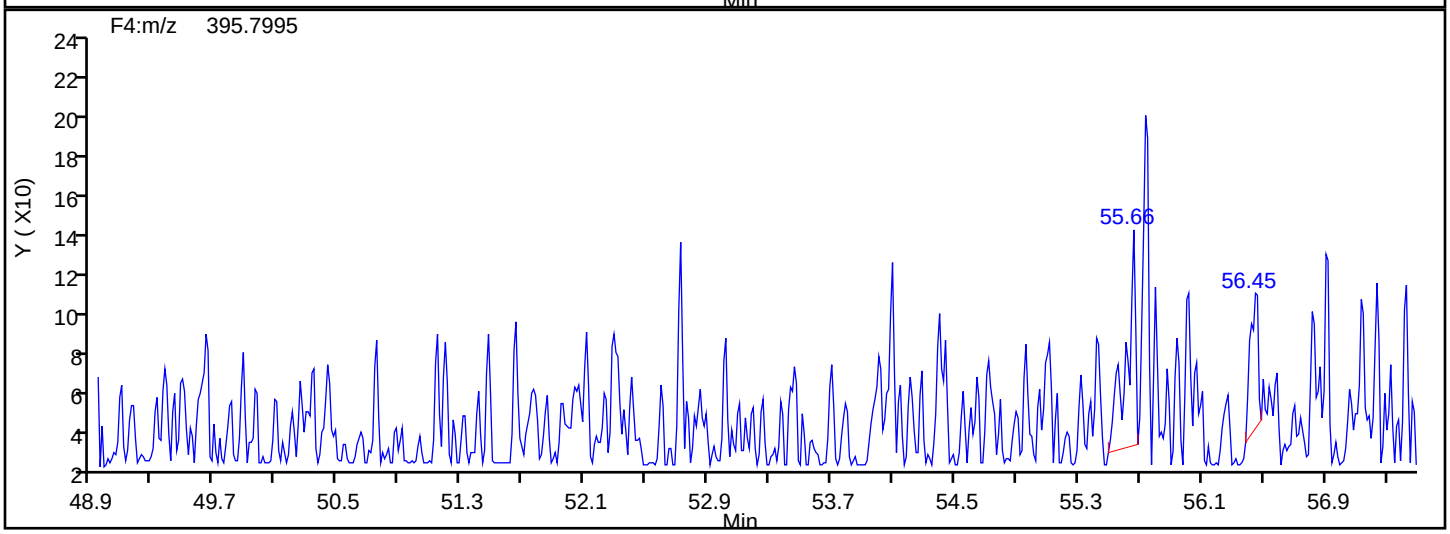
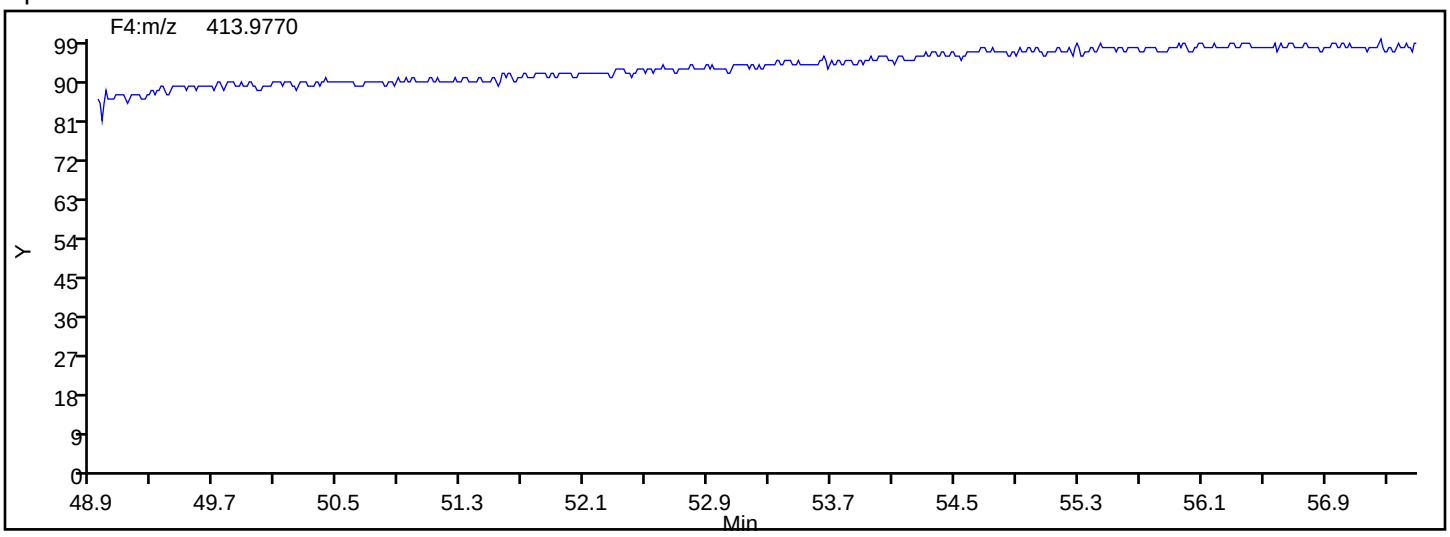
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



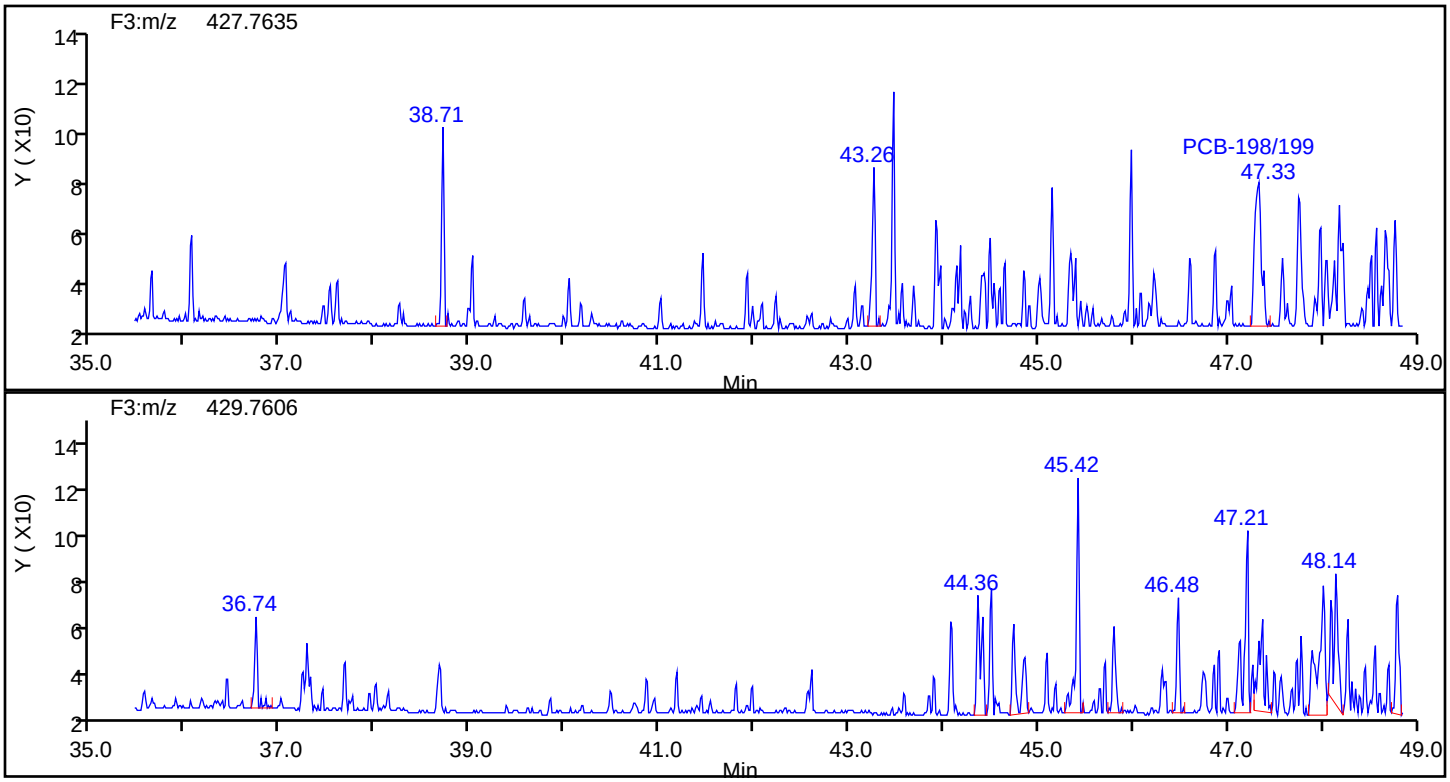

HpPCB F4 Lock Mass



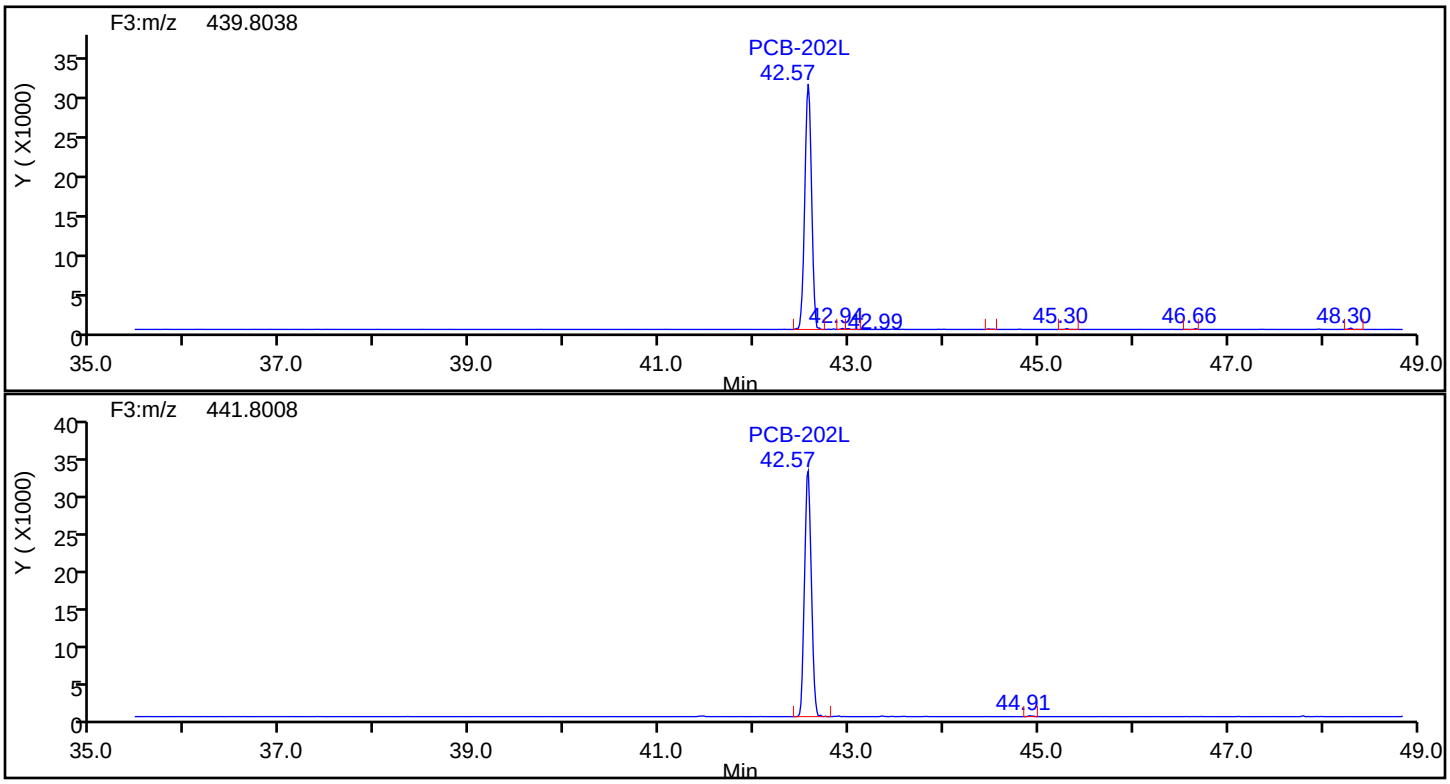
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



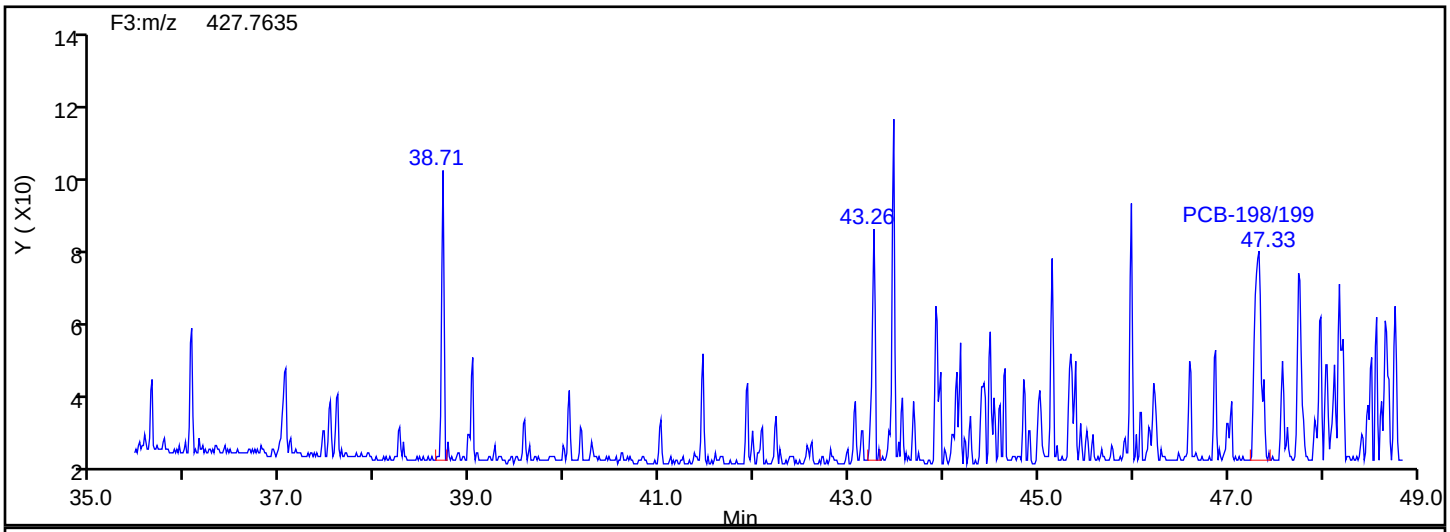

OcPCB F3 Standards

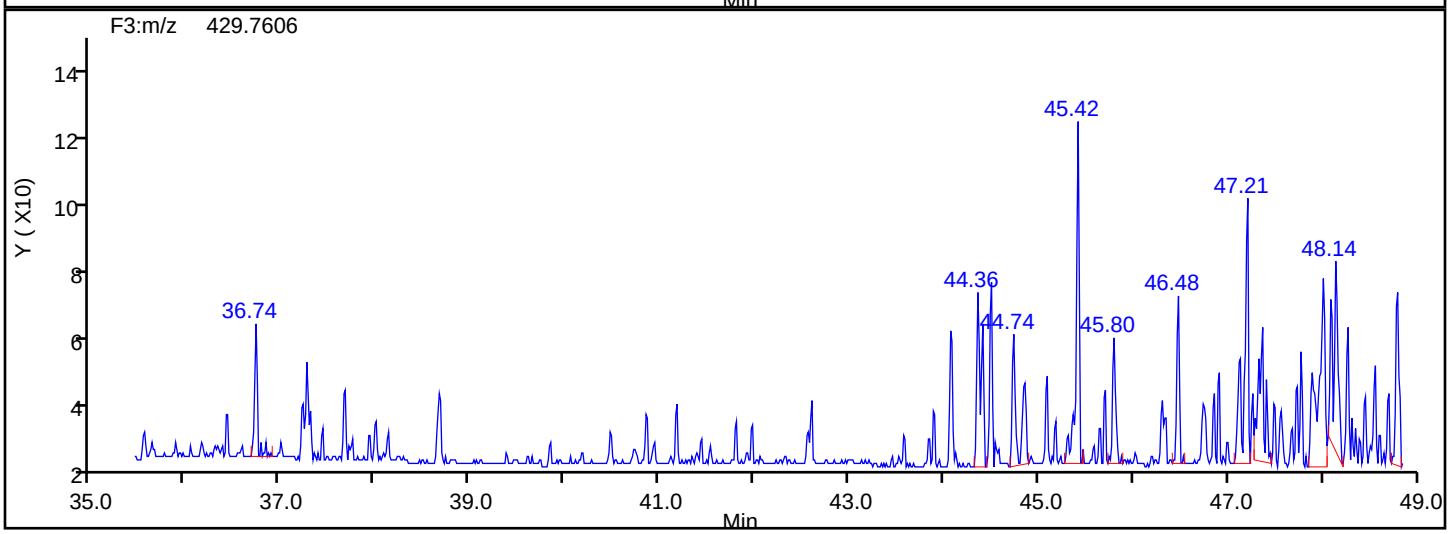


Eurofins TestAmerica, Knoxville

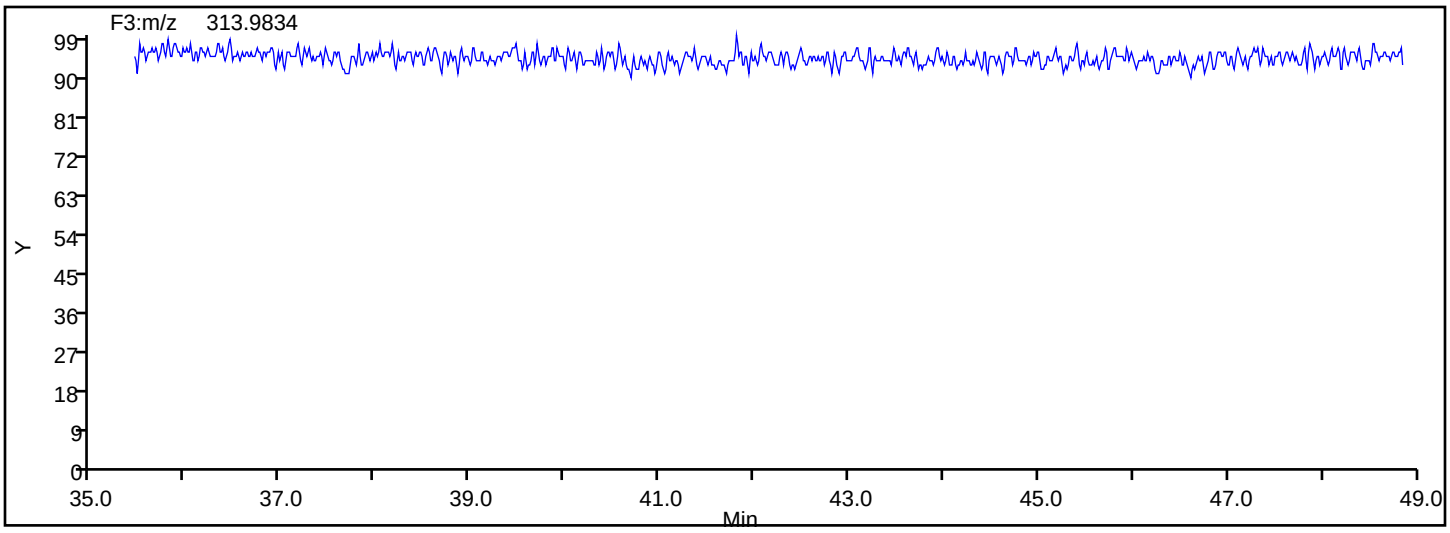
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



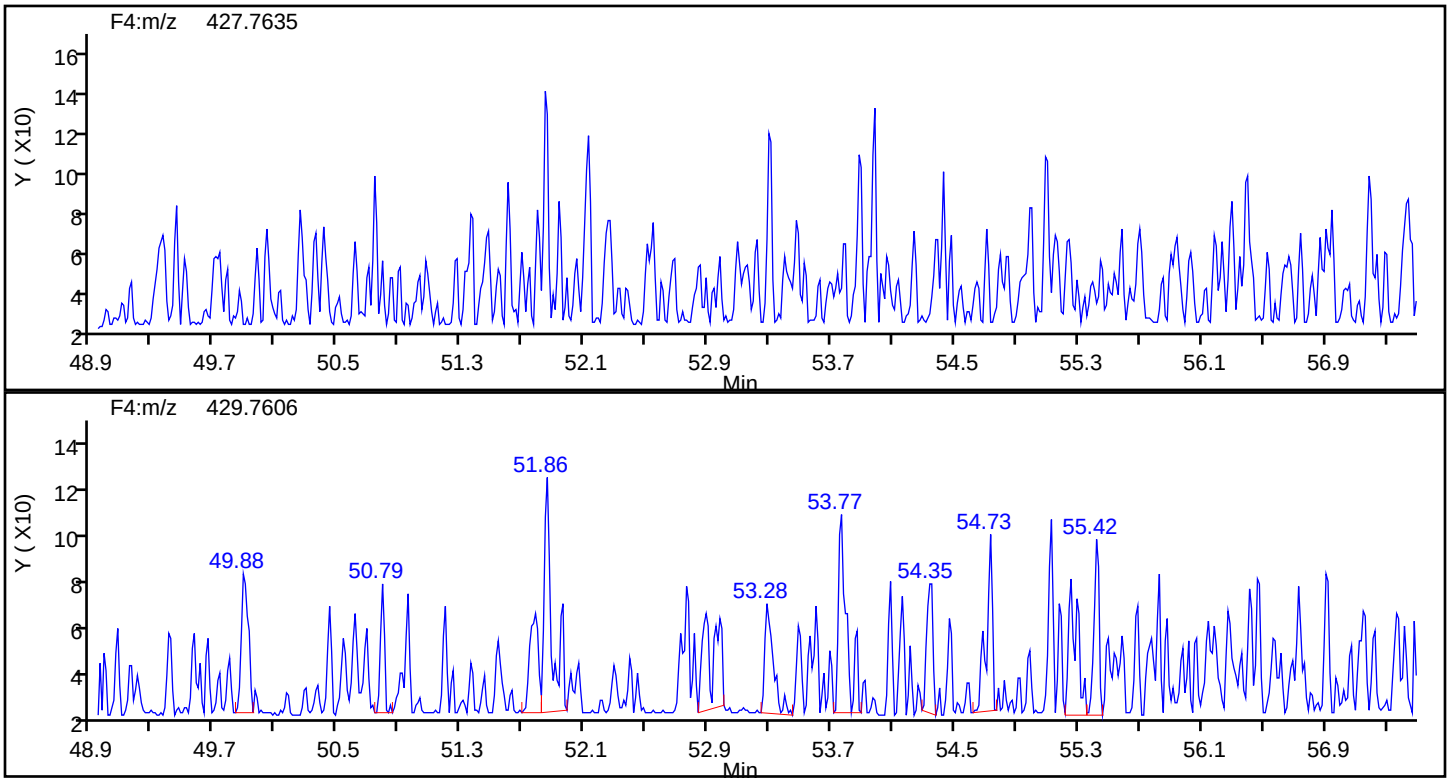

OcPCB F3 Lock Mass



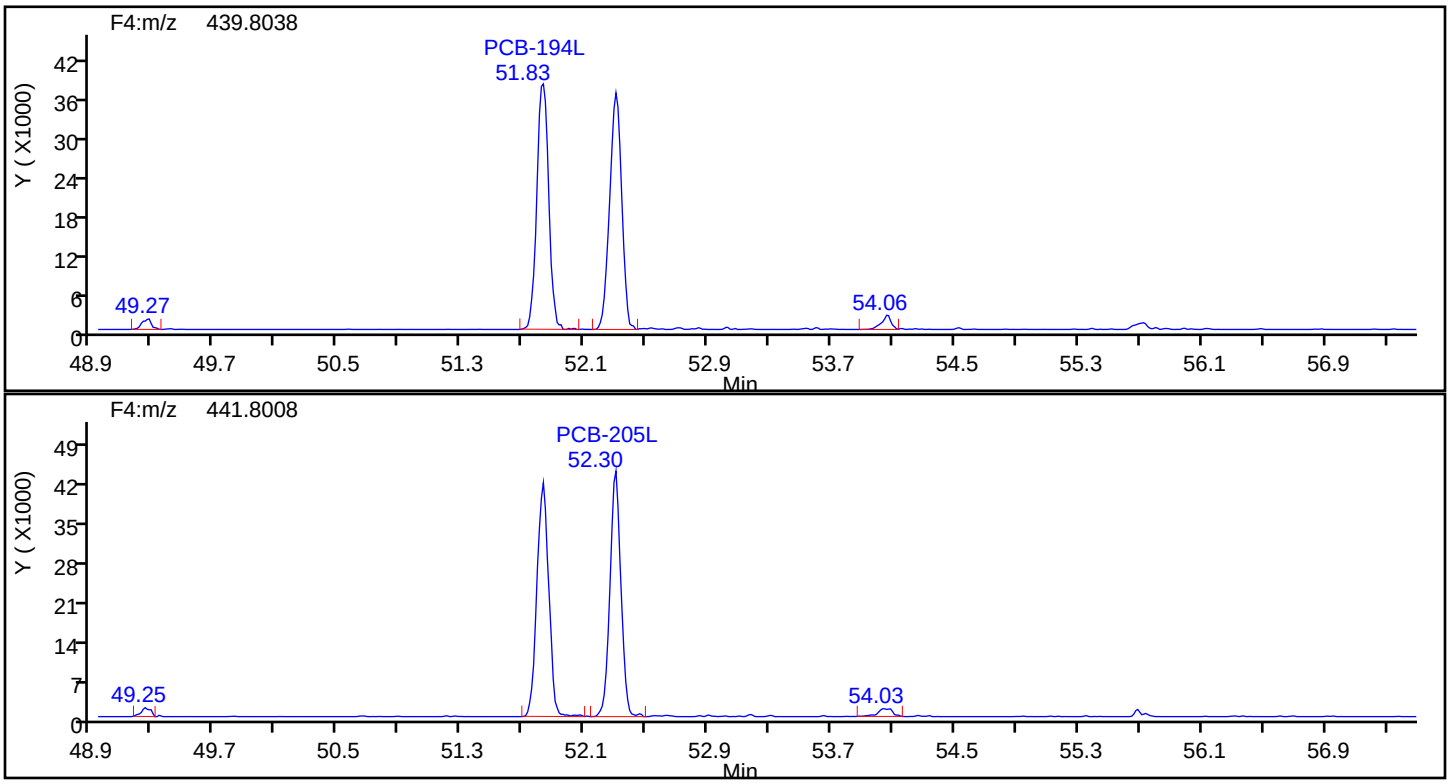
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



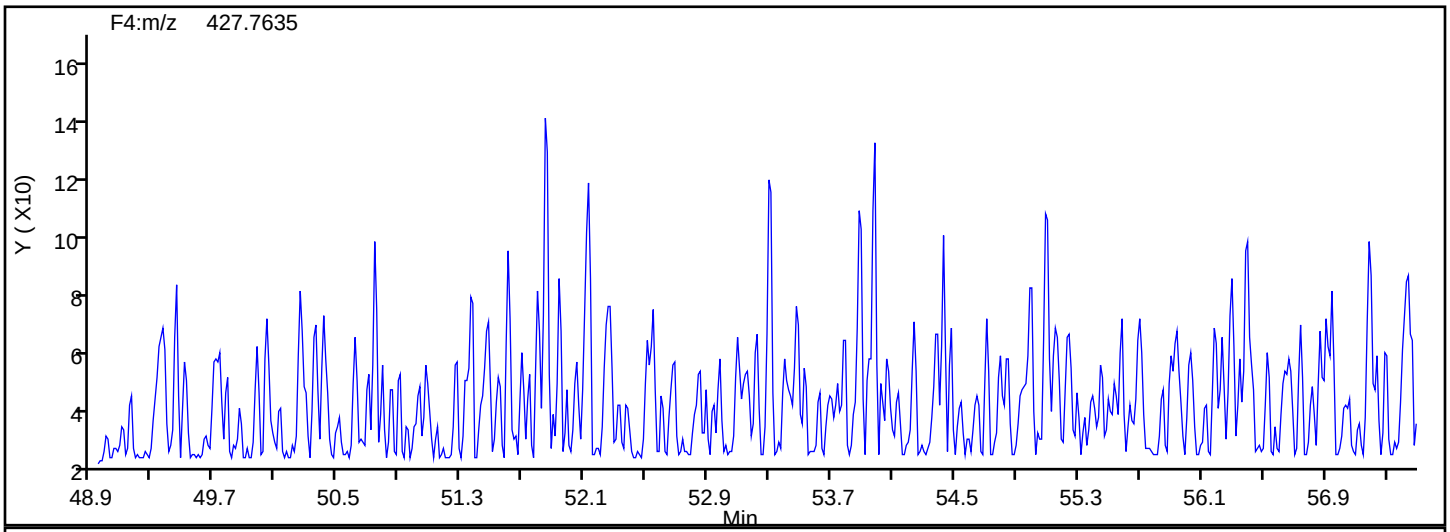

OcPCB F4 Standards

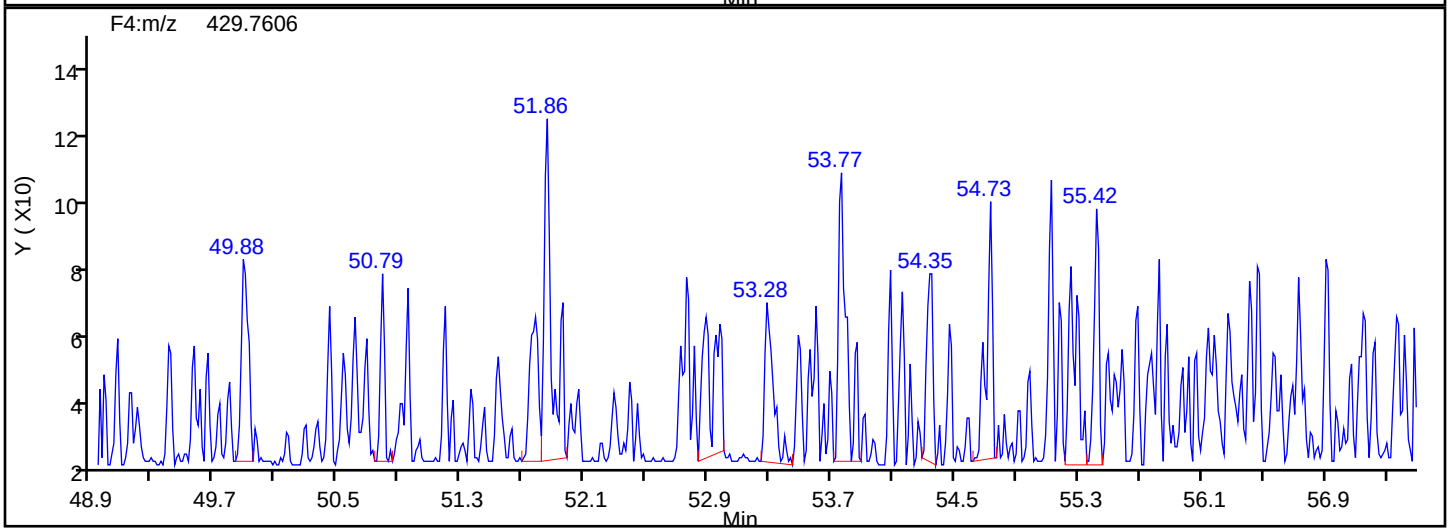


Eurofins TestAmerica, Knoxville

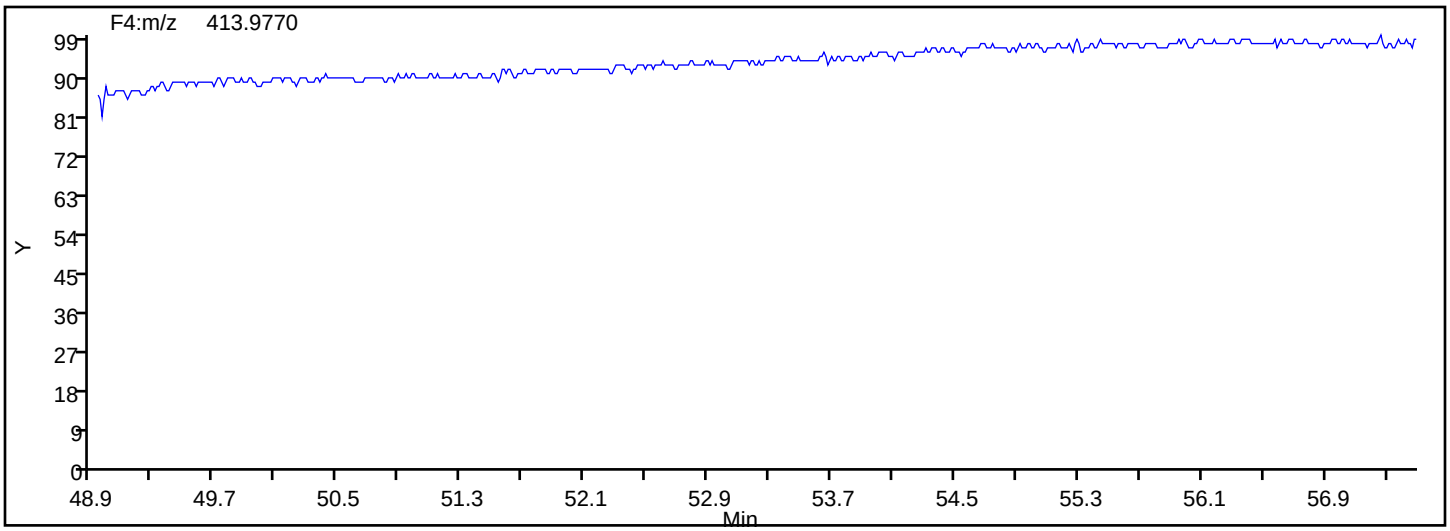
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Report Date: 04-Oct-2019 01:26:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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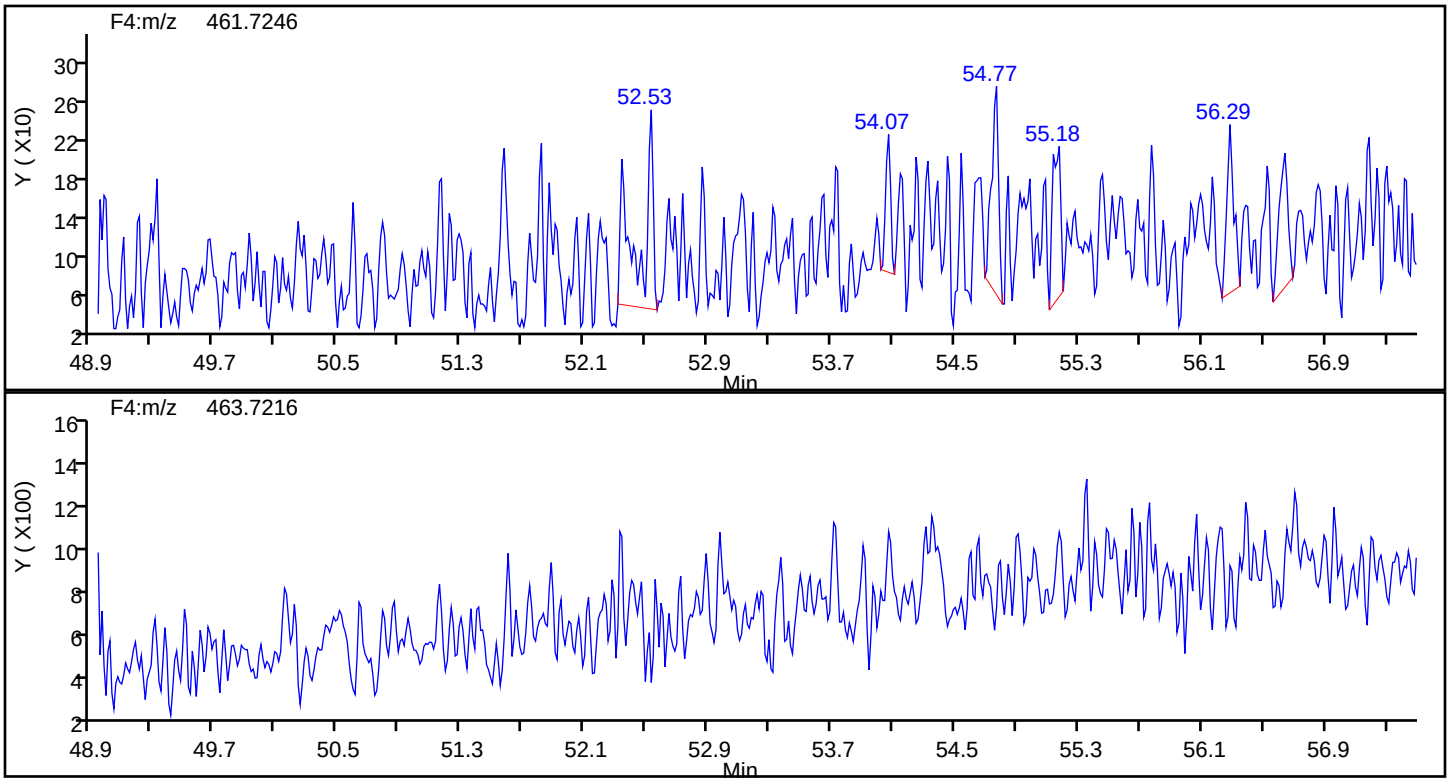
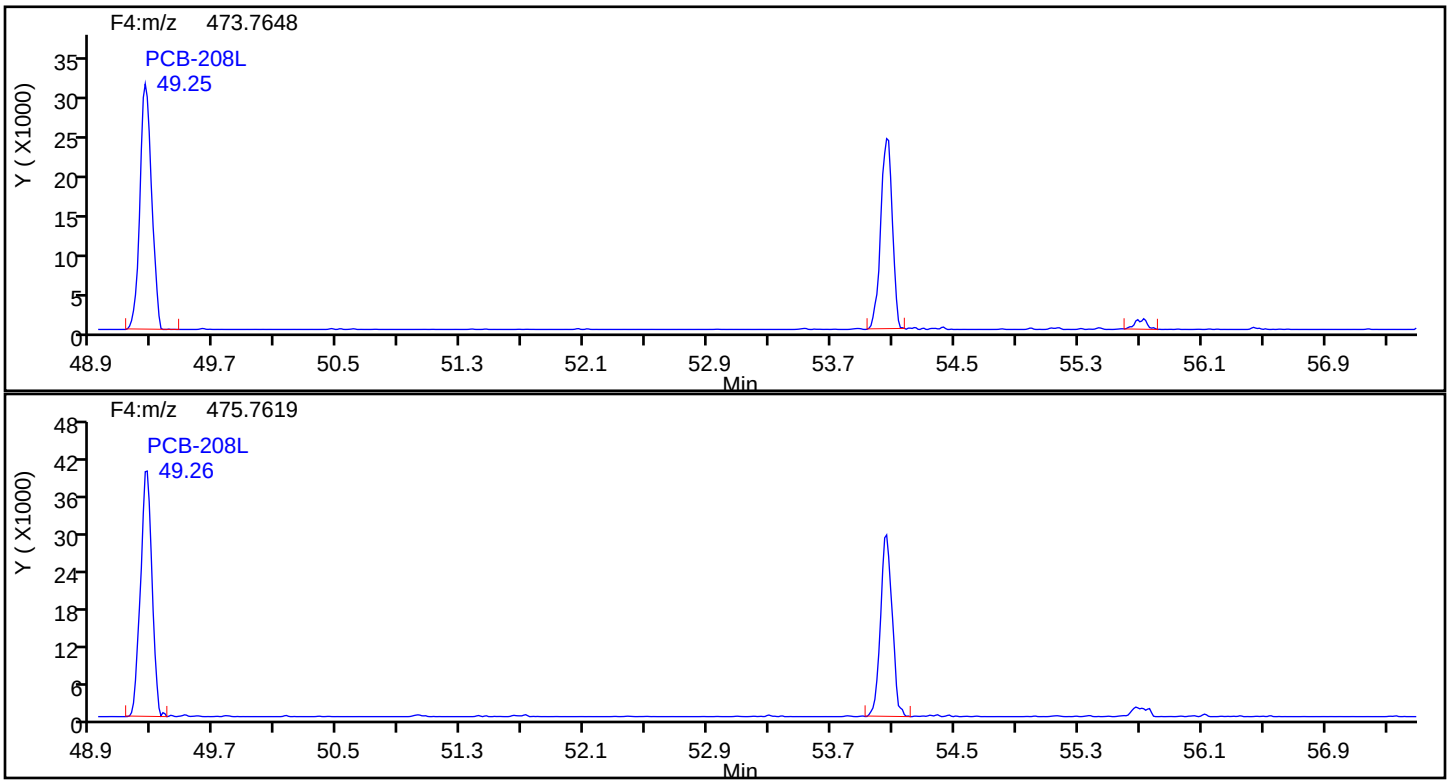
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Standards

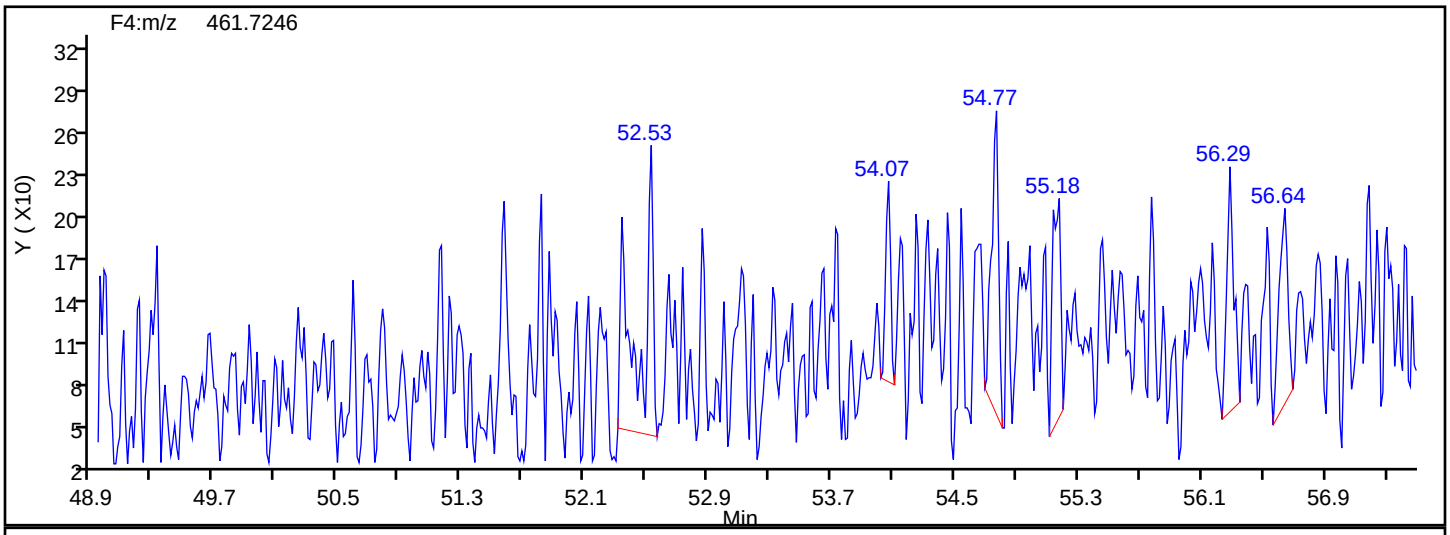


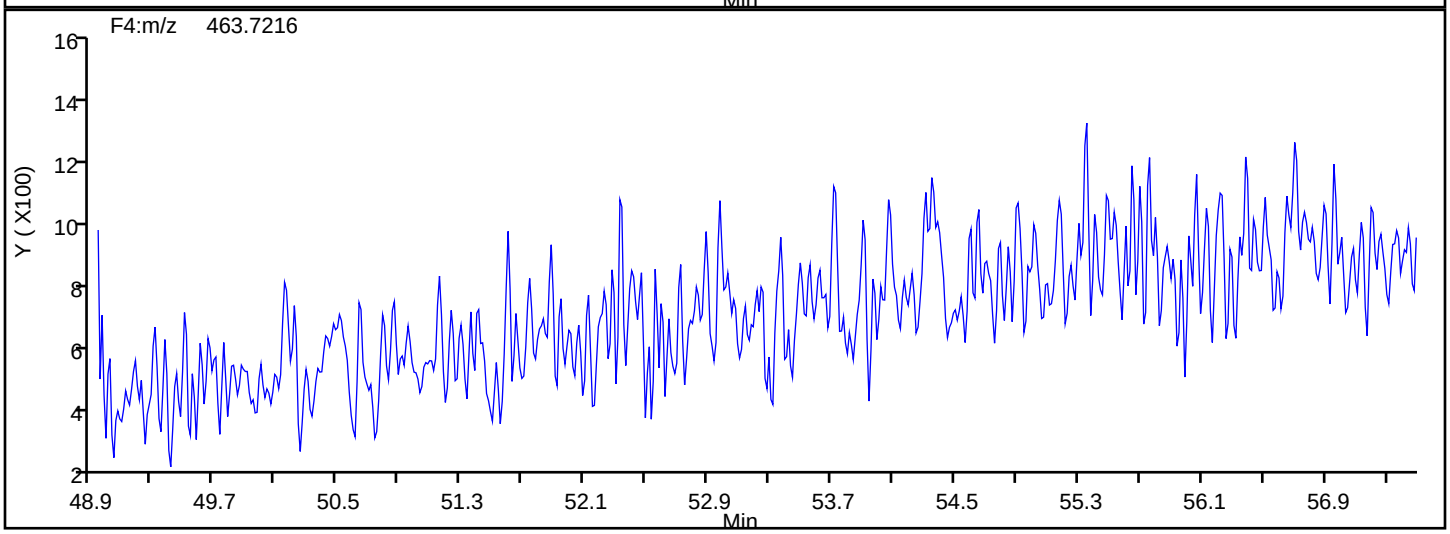
Report Date: 04-Oct-2019 01:26:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

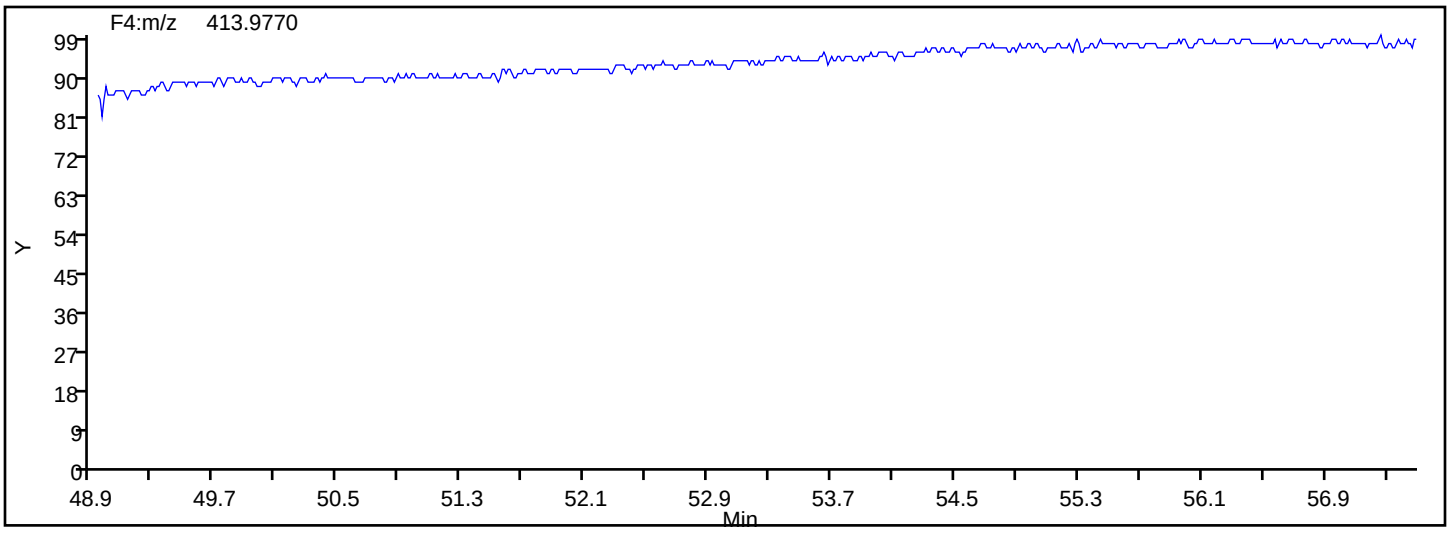
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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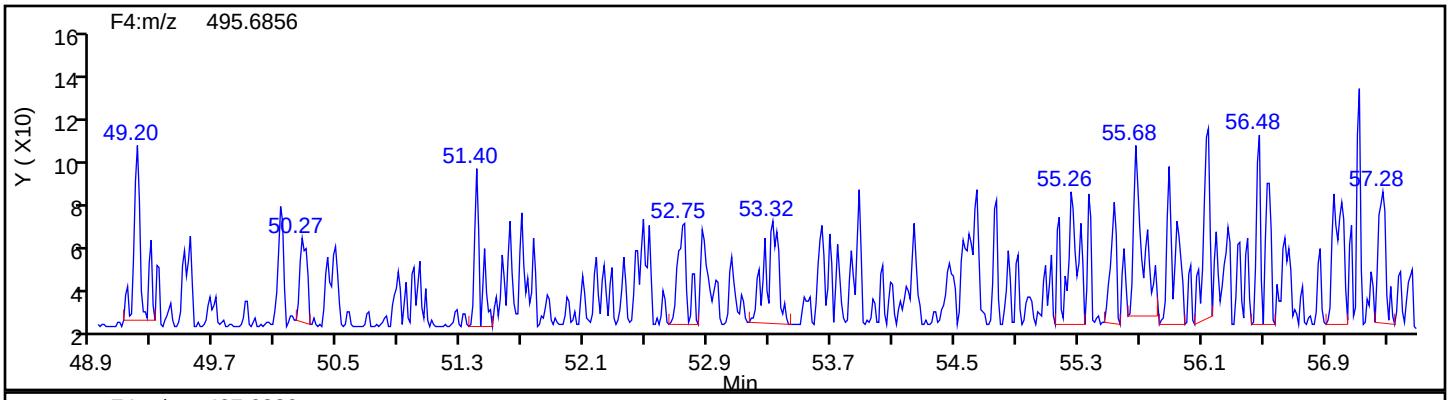
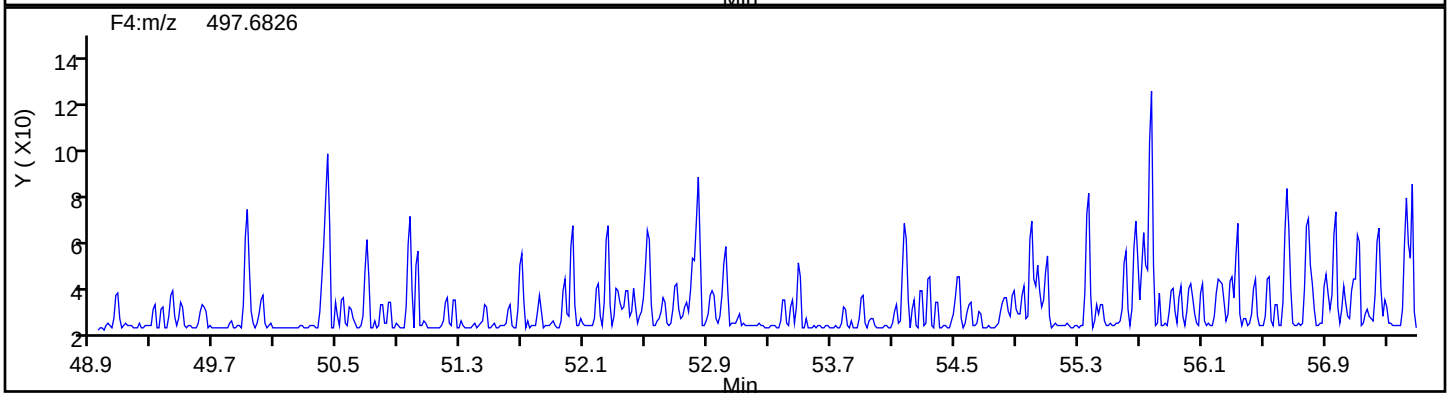
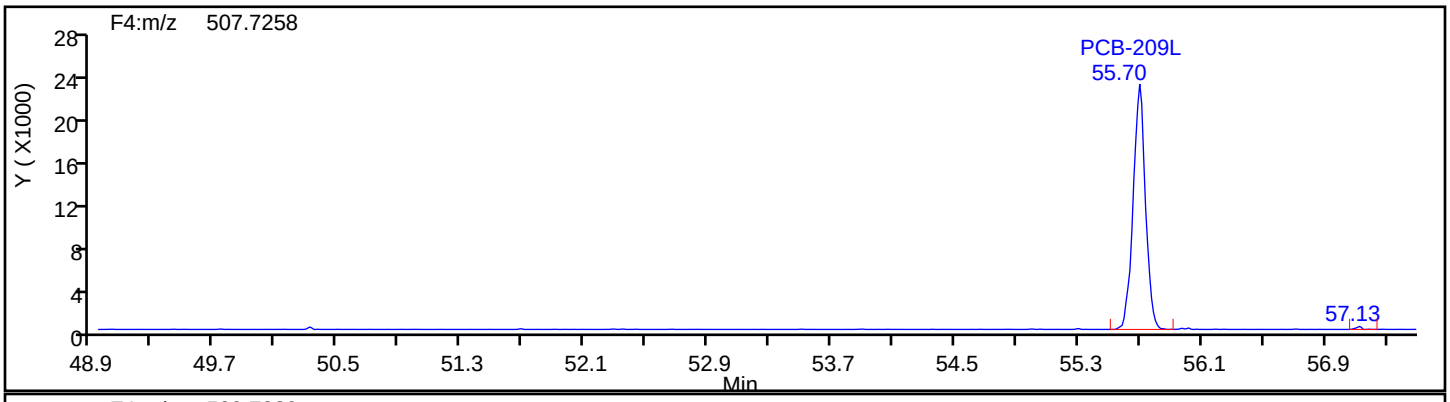
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

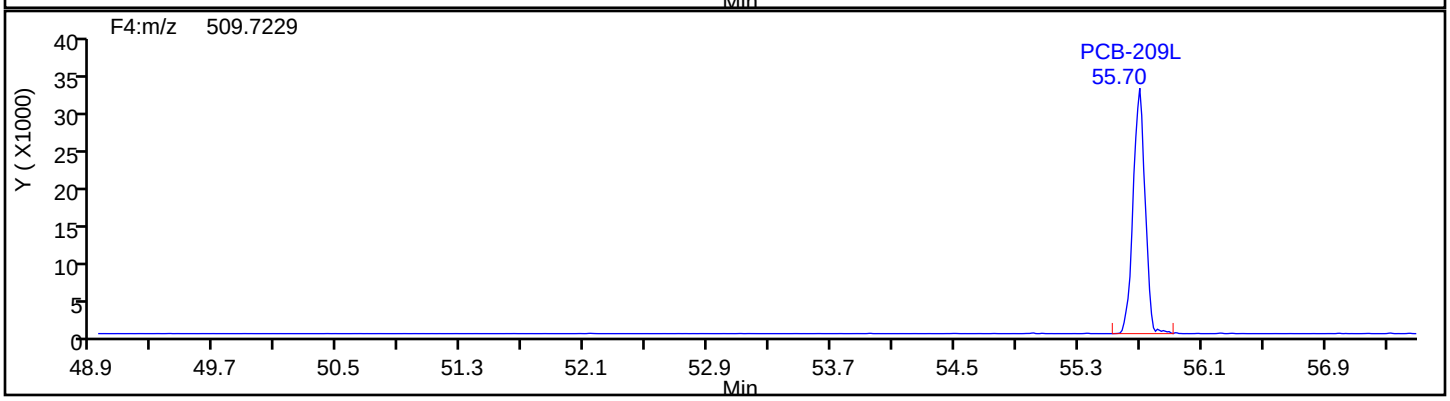
DePCB F4




DePCB F4 Standards



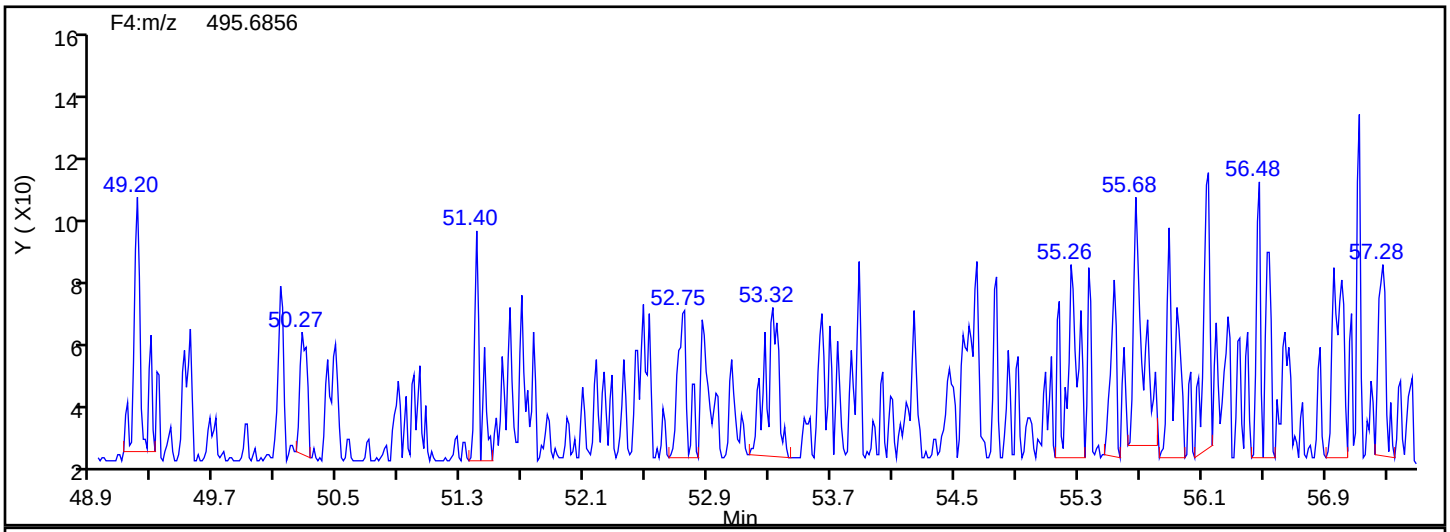



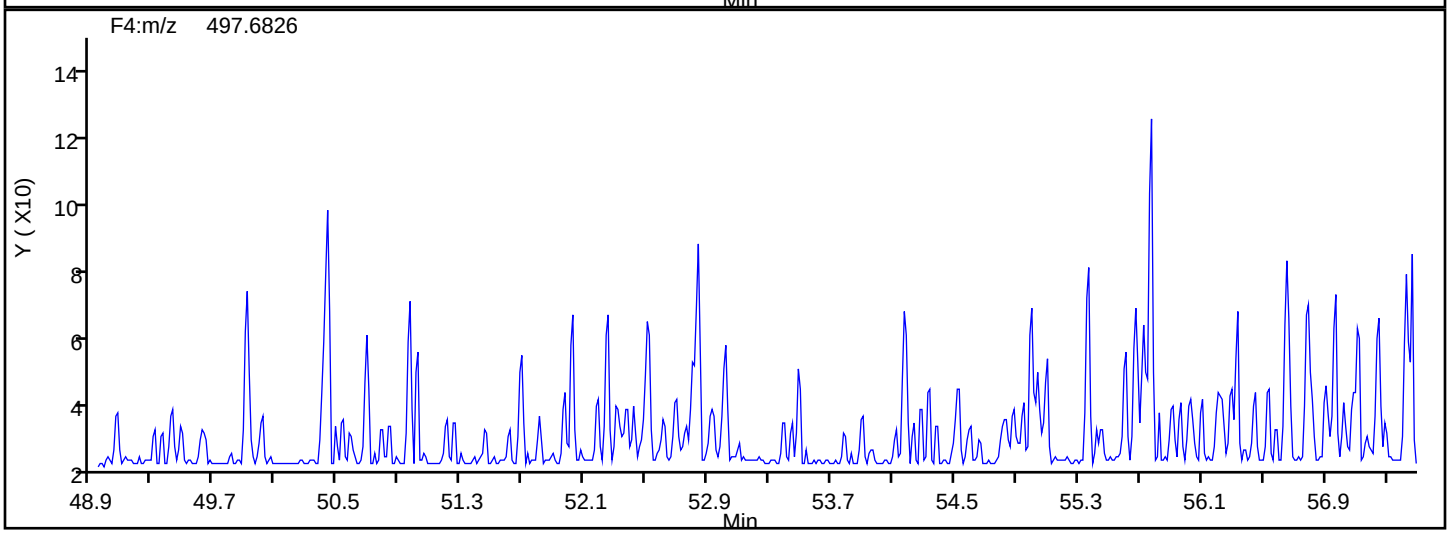
Report Date: 04-Oct-2019 01:26:48 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

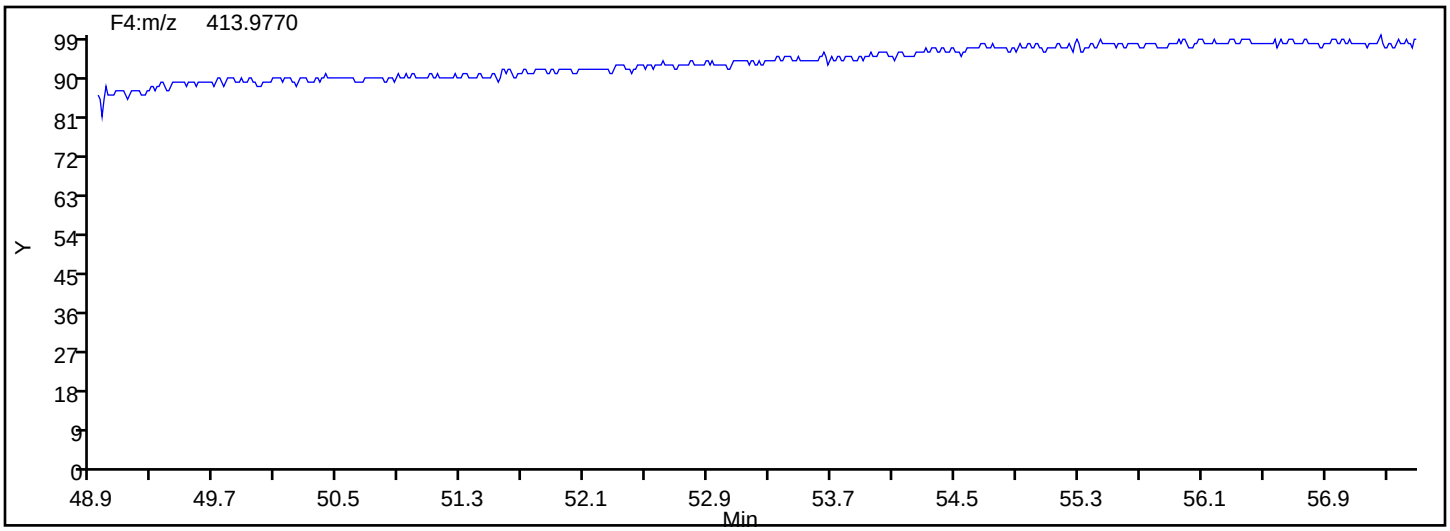
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\mb140-3362812-b_191003143938.d | | |
| Injection Date: | 03-Oct-2019 14:39:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | ND | | 0.010 | 0.00015 |
| 2051-61-8 | PCB-2 | ND | | 0.010 | 0.00015 |
| 2051-62-9 | PCB-3 | ND | | 0.010 | 0.00015 |
| 13029-08-8 | PCB-4 | ND | | 0.020 | 0.00048 |
| 16605-91-7 | PCB-5 | ND | | 0.010 | 0.00032 |
| 25569-80-6 | PCB-6 | ND | | 0.010 | 0.00032 |
| 33284-50-3 | PCB-7 | ND | | 0.010 | 0.00031 |
| 34883-43-7 | PCB-8 | ND | | 0.020 | 0.00032 |
| 34883-39-1 | PCB-9 | ND | | 0.010 | 0.00035 |
| 33146-45-1 | PCB-10 | ND | | 0.010 | 0.00034 |
| 2050-67-1 | PCB-11 | 0.00284 | J q | 0.020 | 0.00031 |
| 2974-92-7 | PCB-12 | ND | C | 0.020 | 0.00031 |
| 2974-90-5 | PCB-13 | ND | C12 | 0.020 | 0.00031 |
| 34883-41-5 | PCB-14 | ND | | 0.010 | 0.00027 |
| 2050-68-2 | PCB-15 | ND | | 0.010 | 0.00031 |
| 38444-78-9 | PCB-16 | ND | | 0.010 | 0.00033 |
| 37680-66-3 | PCB-17 | 0.000590 | J q | 0.010 | 0.00026 |
| 37680-65-2 | PCB-18 | 0.000818 | J C q | 0.020 | 0.00022 |
| 38444-73-4 | PCB-19 | ND | | 0.010 | 0.00031 |
| 38444-84-7 | PCB-20 | 0.000973 | J C q | 0.020 | 0.00016 |
| 55702-46-0 | PCB-21 | 0.000521 | J C q | 0.020 | 0.00016 |
| 38444-85-8 | PCB-22 | 0.000526 | J | 0.010 | 0.00017 |
| 55720-44-0 | PCB-23 | ND | | 0.010 | 0.00017 |
| 55702-45-9 | PCB-24 | ND | | 0.010 | 0.00019 |
| 55712-37-3 | PCB-25 | ND | | 0.010 | 0.00016 |
| 38444-81-4 | PCB-26 | 0.000251 | J C | 0.020 | 0.00016 |
| 38444-76-7 | PCB-27 | ND | | 0.010 | 0.00019 |
| 7012-37-5 | PCB-28 | 0.000973 | J C20 q | 0.020 | 0.00016 |
| 15862-07-4 | PCB-29 | 0.000251 | J C26 | 0.020 | 0.00016 |
| 35693-92-6 | PCB-30 | 0.000818 | J C18 q | 0.020 | 0.00022 |
| 16606-02-3 | PCB-31 | 0.000485 | J q | 0.020 | 0.00016 |
| 38444-77-8 | PCB-32 | ND | | 0.010 | 0.00017 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38444-86-9 | PCB-33 | 0.000521 | J C21 q | 0.020 | 0.00016 |
| 37680-68-5 | PCB-34 | ND | | 0.010 | 0.00018 |
| 37680-69-6 | PCB-35 | ND | | 0.010 | 0.00018 |
| 38444-87-0 | PCB-36 | ND | | 0.010 | 0.00016 |
| 38444-90-5 | PCB-37 | 0.000354 | J q | 0.010 | 0.00017 |
| 53555-66-1 | PCB-38 | ND | | 0.010 | 0.00016 |
| 38444-88-1 | PCB-39 | ND | | 0.010 | 0.00015 |
| 38444-93-8 | PCB-40 | ND | C | 0.030 | 0.00018 |
| 52663-59-9 | PCB-41 | ND | C40 | 0.030 | 0.00018 |
| 36559-22-5 | PCB-42 | ND | | 0.010 | 0.00019 |
| 70362-46-8 | PCB-43 | ND | C | 0.020 | 0.00017 |
| 41464-39-5 | PCB-44 | 0.00405 | J C | 0.030 | 0.00016 |
| 70362-45-7 | PCB-45 | 0.000984 | J C q | 0.020 | 0.00019 |
| 41464-47-5 | PCB-46 | ND | | 0.010 | 0.00022 |
| 2437-79-8 | PCB-47 | 0.00405 | J C44 | 0.030 | 0.00016 |
| 70362-47-9 | PCB-48 | ND | | 0.010 | 0.00018 |
| 41464-40-8 | PCB-49 | 0.00140 | J C | 0.020 | 0.00015 |
| 62796-65-0 | PCB-50 | ND | C | 0.020 | 0.00018 |
| 68194-04-7 | PCB-51 | 0.000984 | J C45 q | 0.020 | 0.00019 |
| 35693-99-3 | PCB-52 | 0.00240 | J q | 0.010 | 0.00019 |
| 41464-41-9 | PCB-53 | ND | C50 | 0.020 | 0.00018 |
| 15968-05-5 | PCB-54 | ND | | 0.010 | 0.000086 |
| 74338-24-2 | PCB-55 | ND | | 0.010 | 0.00013 |
| 41464-43-1 | PCB-56 | ND | | 0.010 | 0.00013 |
| 70424-67-8 | PCB-57 | ND | | 0.010 | 0.00013 |
| 41464-49-7 | PCB-58 | ND | | 0.010 | 0.00013 |
| 74472-33-6 | PCB-59 | ND | C | 0.030 | 0.00012 |
| 33025-41-1 | PCB-60 | ND | | 0.010 | 0.00013 |
| 33284-53-6 | PCB-61 | 0.00257 | J C | 0.040 | 0.00012 |
| 54230-22-7 | PCB-62 | ND | C59 | 0.030 | 0.00012 |
| 74472-34-7 | PCB-63 | ND | | 0.010 | 0.00011 |
| 52663-58-8 | PCB-64 | ND | | 0.010 | 0.00012 |
| 33284-54-7 | PCB-65 | 0.00405 | J C44 | 0.030 | 0.00016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 32598-10-0 | PCB-66 | 0.00129 | J q | 0.010 | 0.00013 |
| 73575-53-8 | PCB-67 | ND | | 0.010 | 0.00012 |
| 73575-52-7 | PCB-68 | 0.000264 | J q | 0.010 | 0.00011 |
| 60233-24-1 | PCB-69 | 0.00140 | J C49 | 0.020 | 0.00015 |
| 32598-11-1 | PCB-70 | 0.00257 | J C61 | 0.040 | 0.00012 |
| 41464-46-4 | PCB-71 | ND | C40 | 0.030 | 0.00018 |
| 41464-42-0 | PCB-72 | ND | | 0.010 | 0.00013 |
| 74338-23-1 | PCB-73 | ND | C43 | 0.020 | 0.00017 |
| 32690-93-0 | PCB-74 | 0.00257 | J C61 | 0.040 | 0.00012 |
| 32598-12-2 | PCB-75 | ND | C59 | 0.030 | 0.00012 |
| 70362-48-0 | PCB-76 | 0.00257 | J C61 | 0.040 | 0.00012 |
| 32598-13-3 | PCB-77 | ND | | 0.010 | 0.00012 |
| 70362-49-1 | PCB-78 | ND | | 0.010 | 0.00013 |
| 41464-48-6 | PCB-79 | ND | | 0.010 | 0.00011 |
| 33284-52-5 | PCB-80 | ND | | 0.010 | 0.00011 |
| 70362-50-4 | PCB-81 | ND | | 0.010 | 0.00013 |
| 52663-62-4 | PCB-82 | 0.000720 | J | 0.010 | 0.00027 |
| 60145-20-2 | PCB-83 | 0.00292 | J C q | 0.020 | 0.00025 |
| 52663-60-2 | PCB-84 | 0.00137 | J q | 0.010 | 0.00028 |
| 65510-45-4 | PCB-85 | ND | C | 0.030 | 0.00020 |
| 55312-69-1 | PCB-86 | 0.00303 | J C q | 0.060 | 0.00020 |
| 38380-02-8 | PCB-87 | 0.00303 | J C86 q | 0.060 | 0.00020 |
| 55215-17-3 | PCB-88 | 0.000989 | J C q | 0.020 | 0.00024 |
| 73575-57-2 | PCB-89 | ND | | 0.010 | 0.00027 |
| 68194-07-0 | PCB-90 | 0.00493 | J C q | 0.030 | 0.00021 |
| 68194-05-8 | PCB-91 | 0.000989 | J C88 q | 0.020 | 0.00024 |
| 52663-61-3 | PCB-92 | 0.00109 | J | 0.010 | 0.00025 |
| 73575-56-1 | PCB-93 | ND | C | 0.020 | 0.00024 |
| 73575-55-0 | PCB-94 | ND | | 0.010 | 0.00026 |
| 38379-99-6 | PCB-95 | 0.00462 | J | 0.010 | 0.00025 |
| 73575-54-9 | PCB-96 | ND | | 0.010 | 0.00019 |
| 41464-51-1 | PCB-97 | 0.00303 | J C86 q | 0.060 | 0.00020 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-25-2 | PCB-98 | ND | C | 0.020 | 0.00024 |
| 38380-01-7 | PCB-99 | 0.00292 | J C83 q | 0.020 | 0.00025 |
| 39485-83-1 | PCB-100 | ND | C93 | 0.020 | 0.00024 |
| 37680-73-2 | PCB-101 | 0.00493 | J C90 q | 0.030 | 0.00021 |
| 68194-06-9 | PCB-102 | ND | C98 | 0.020 | 0.00024 |
| 60145-21-3 | PCB-103 | ND | | 0.010 | 0.00023 |
| 56558-16-8 | PCB-104 | ND | | 0.010 | 0.00017 |
| 32598-14-4 | PCB-105 | 0.00134 | J | 0.010 | 0.00017 |
| 70424-69-0 | PCB-106 | ND | | 0.010 | 0.00017 |
| 70424-68-9 | PCB-107 | 0.000250 | J q | 0.010 | 0.00016 |
| 70362-41-3 | PCB-108 | ND | C | 0.020 | 0.00018 |
| 74472-35-8 | PCB-109 | 0.00303 | J C86 q | 0.060 | 0.00020 |
| 38380-03-9 | PCB-110 | 0.00562 | J C | 0.020 | 0.00018 |
| 39635-32-0 | PCB-111 | ND | | 0.010 | 0.00017 |
| 74472-36-9 | PCB-112 | ND | | 0.010 | 0.00017 |
| 68194-10-5 | PCB-113 | 0.00493 | J C90 q | 0.030 | 0.00021 |
| 74472-37-0 | PCB-114 | ND | | 0.010 | 0.00016 |
| 74472-38-1 | PCB-115 | 0.00562 | J C110 | 0.020 | 0.00018 |
| 18259-05-7 | PCB-116 | ND | C85 | 0.030 | 0.00020 |
| 68194-11-6 | PCB-117 | ND | C85 | 0.030 | 0.00020 |
| 31508-00-6 | PCB-118 | 0.00410 | J | 0.010 | 0.00017 |
| 56558-17-9 | PCB-119 | 0.00303 | J C86 q | 0.060 | 0.00020 |
| 68194-12-7 | PCB-120 | ND | | 0.010 | 0.00016 |
| 56558-18-0 | PCB-121 | ND | | 0.010 | 0.00017 |
| 76842-07-4 | PCB-122 | 0.000231 | J q | 0.010 | 0.00019 |
| 65510-44-3 | PCB-123 | ND | | 0.010 | 0.00017 |
| 70424-70-3 | PCB-124 | ND | C108 | 0.020 | 0.00018 |
| 74472-39-2 | PCB-125 | 0.00303 | J C86 q | 0.060 | 0.00020 |
| 57465-28-8 | PCB-126 | ND | | 0.010 | 0.00017 |
| 39635-33-1 | PCB-127 | ND | | 0.010 | 0.00017 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 38380-07-3 | PCB-128 | 0.00106 | J C | 0.020 | 0.00018 |
| 55215-18-4 | PCB-129 | 0.00442 | J C | 0.040 | 0.00019 |
| 52663-66-8 | PCB-130 | 0.000426 | J | 0.010 | 0.00025 |
| 61798-70-7 | PCB-131 | ND | | 0.010 | 0.00024 |
| 38380-05-1 | PCB-132 | 0.00157 | J | 0.010 | 0.00023 |
| 35694-04-3 | PCB-133 | ND | | 0.010 | 0.00022 |
| 52704-70-8 | PCB-134 | ND | C | 0.020 | 0.00024 |
| 52744-13-5 | PCB-135 | 0.00198 | J C | 0.020 | 0.00016 |
| 38411-22-2 | PCB-136 | 0.000627 | J q | 0.010 | 0.00012 |
| 35694-06-5 | PCB-137 | ND | | 0.010 | 0.00019 |
| 35065-28-2 | PCB-138 | 0.00442 | J C129 | 0.040 | 0.00019 |
| 56030-56-9 | PCB-139 | ND | C | 0.020 | 0.00020 |
| 59291-64-4 | PCB-140 | ND | C139 | 0.020 | 0.00020 |
| 52712-04-6 | PCB-141 | 0.000814 | J q | 0.010 | 0.00021 |
| 41411-61-4 | PCB-142 | ND | | 0.010 | 0.00024 |
| 68194-15-0 | PCB-143 | ND | C134 | 0.020 | 0.00024 |
| 68194-14-9 | PCB-144 | ND | | 0.010 | 0.00015 |
| 74472-40-5 | PCB-145 | ND | | 0.010 | 0.00012 |
| 51908-16-8 | PCB-146 | 0.00114 | J | 0.010 | 0.00020 |
| 68194-13-8 | PCB-147 | 0.00430 | J C | 0.020 | 0.00021 |
| 74472-41-6 | PCB-148 | ND | | 0.010 | 0.00016 |
| 38380-04-0 | PCB-149 | 0.00430 | J C147 | 0.020 | 0.00021 |
| 68194-08-1 | PCB-150 | ND | | 0.010 | 0.00011 |
| 52663-63-5 | PCB-151 | 0.00198 | J C135 | 0.020 | 0.00016 |
| 68194-09-2 | PCB-152 | ND | | 0.010 | 0.00011 |
| 35065-27-1 | PCB-153 | 0.00389 | J C | 0.020 | 0.00017 |
| 60145-22-4 | PCB-154 | ND | | 0.010 | 0.00014 |
| 33979-03-2 | PCB-155 | ND | | 0.010 | 0.00011 |
| 38380-08-4 | PCB-156 | 0.000994 | J C q | 0.020 | 0.00019 |
| 69782-90-7 | PCB-157 | 0.000994 | J C156 q | 0.020 | 0.00019 |
| 74472-42-7 | PCB-158 | 0.000576 | J q | 0.010 | 0.00015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 39635-35-3 | PCB-159 | ND | | 0.010 | 0.00015 |
| 41411-62-5 | PCB-160 | 0.00442 | J C129 | 0.040 | 0.00019 |
| 74472-43-8 | PCB-161 | ND | | 0.010 | 0.00015 |
| 39635-34-2 | PCB-162 | 0.000223 | J q | 0.010 | 0.00015 |
| 74472-44-9 | PCB-163 | 0.00442 | J C129 | 0.040 | 0.00019 |
| 74472-45-0 | PCB-164 | 0.000539 | J | 0.010 | 0.00016 |
| 74472-46-1 | PCB-165 | ND | | 0.010 | 0.00018 |
| 41411-63-6 | PCB-166 | 0.00106 | J C128 | 0.020 | 0.00018 |
| 52663-72-6 | PCB-167 | 0.000365 | J q | 0.010 | 0.00012 |
| 59291-65-5 | PCB-168 | 0.00389 | J C153 | 0.020 | 0.00017 |
| 32774-16-6 | PCB-169 | 0.000274 | J | 0.010 | 0.00014 |
| 35065-30-6 | PCB-170 | 0.00106 | J | 0.010 | 0.000086 |
| 52663-71-5 | PCB-171 | 0.000912 | J C q | 0.020 | 0.000085 |
| 52663-74-8 | PCB-172 | 0.000153 | J q | 0.010 | 0.000082 |
| 68194-16-1 | PCB-173 | 0.000912 | J C171 q | 0.020 | 0.000085 |
| 38411-25-5 | PCB-174 | 0.000966 | J q | 0.010 | 0.000085 |
| 40186-70-7 | PCB-175 | ND | | 0.010 | 0.000076 |
| 52663-65-7 | PCB-176 | 0.000204 | J q | 0.010 | 0.000054 |
| 52663-70-4 | PCB-177 | 0.000831 | J q | 0.010 | 0.000087 |
| 52663-67-9 | PCB-178 | 0.000239 | J q | 0.010 | 0.000080 |
| 52663-64-6 | PCB-179 | 0.000526 | J q | 0.010 | 0.000058 |
| 35065-29-3 | PCB-180 | 0.00223 | J C q | 0.020 | 0.000066 |
| 74472-47-2 | PCB-181 | ND | | 0.010 | 0.000074 |
| 60145-23-5 | PCB-182 | ND | | 0.010 | 0.000071 |
| 52663-69-1 | PCB-183 | 0.00146 | J C | 0.020 | 0.000072 |
| 74472-48-3 | PCB-184 | ND | | 0.010 | 0.000057 |
| 52712-05-7 | PCB-185 | 0.00146 | J C183 | 0.020 | 0.000072 |
| 74472-49-4 | PCB-186 | ND | | 0.010 | 0.000057 |
| 52663-68-0 | PCB-187 | 0.00159 | J | 0.010 | 0.000073 |
| 74487-85-7 | PCB-188 | ND | | 0.010 | 0.000052 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 39635-31-9 | PCB-189 | 0.000215 | J q | 0.010 | 0.000083 |
| 41411-64-7 | PCB-190 | 0.000447 | J | 0.010 | 0.000059 |
| 74472-50-7 | PCB-191 | ND | | 0.010 | 0.000059 |
| 74472-51-8 | PCB-192 | ND | | 0.010 | 0.000063 |
| 69782-91-8 | PCB-193 | 0.00223 | J C180 q | 0.020 | 0.000066 |
| 35694-08-7 | PCB-194 | 0.000634 | J | 0.010 | 0.000086 |
| 52663-78-2 | PCB-195 | 0.000380 | J q | 0.010 | 0.00010 |
| 42740-50-1 | PCB-196 | 0.000412 | J | 0.010 | 0.00013 |
| 33091-17-7 | PCB-197 | 0.000341 | J q | 0.010 | 0.000092 |
| 68194-17-2 | PCB-198 | 0.000721 | J C q | 0.020 | 0.00014 |
| 52663-75-9 | PCB-199 | 0.000721 | J C198 q | 0.020 | 0.00014 |
| 52663-73-7 | PCB-200 | ND | | 0.010 | 0.000099 |
| 40186-71-8 | PCB-201 | 0.000294 | J q | 0.010 | 0.000094 |
| 2136-99-4 | PCB-202 | 0.000377 | J | 0.010 | 0.00011 |
| 52663-76-0 | PCB-203 | ND | | 0.010 | 0.00012 |
| 74472-52-9 | PCB-204 | ND | | 0.010 | 0.00010 |
| 74472-53-0 | PCB-205 | ND | | 0.010 | 0.000065 |
| 40186-72-9 | PCB-206 | ND | | 0.010 | 0.00066 |
| 52663-79-3 | PCB-207 | ND | | 0.010 | 0.00047 |
| 52663-77-1 | PCB-208 | ND | | 0.010 | 0.00048 |
| 2051-24-3 | PCB-209 | ND | | 0.010 | 0.000077 |
| 27323-18-8 | Total Monochlorobiphenyls | ND | | 0.010 | 0.00015 |
| 25512-42-9 | Total Dichlorobiphenyls | 0.00284 | J q | 0.020 | 0.00033 |
| 25323-68-6 | Total Trichlorobiphenyls | 0.00452 | J q | 0.020 | 0.00019 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 0.0130 | J q | 0.040 | 0.00014 |
| 25429-29-2 | Total Pentachlorobiphenyls | 0.0312 | J q | 0.060 | 0.00020 |
| 26601-64-9 | Total Hexachlorobiphenyls | 0.0232 | J q | 0.040 | 0.00017 |
| 28655-71-2 | Total Heptachlorobiphenyls | 0.0108 | J q | 0.020 | 0.000070 |
| 55722-26-4 | Total Octachlorobiphenyls | 0.00316 | J q | 0.020 | 0.00010 |
| 53742-07-7 | Total Nonachlorobiphenyls | ND | | 0.010 | 0.00066 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 0.0887 | q | 0.060 | 0.00022 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: MB 140-34150/12-B

Matrix: Solid  Lab File ID: mb140-3415012-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 16:44

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 67 | | 30-140 |
| 208263-77-8 | PCB-3L | 70 | | 30-140 |
| 234432-86-1 | PCB-4L | 66 | | 30-140 |
| 208263-67-6 | PCB-15L | 74 | | 30-140 |
| 234432-87-2 | PCB-19L | 64 | | 30-140 |
| 208263-79-0 | PCB-37L | 76 | | 30-140 |
| 234432-88-3 | PCB-54L | 63 | | 30-140 |
| 105600-23-5 | PCB-77L | 80 | | 30-140 |
| 208461-24-9 | PCB-81L | 76 | | 30-140 |
| 234432-89-4 | PCB-104L | 77 | | 30-140 |
| 208263-62-1 | PCB-105L | 76 | | 30-140 |
| 208263-63-2 | PCB-114L | 75 | | 30-140 |
| 104130-40-7 | PCB-118L | 78 | | 30-140 |
| 208263-64-3 | PCB-123L | 75 | | 30-140 |
| 208263-65-4 | PCB-126L | 85 | | 30-140 |
| 234432-90-7 | PCB-155L | 87 | | 30-140 |
| 208263-68-7 | PCB-156L | 82 | C | 30-140 |
| 235416-30-5 | PCB-157L | 82 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 82 | | 30-140 |
| 208263-70-1 | PCB-169L | 91 | | 30-140 |
| 160901-80-4 | PCB-170L | 74 | | 30-140 |
| 234432-91-8 | PCB-188L | 74 | | 30-140 |
| 208263-73-4 | PCB-189L | 88 | | 30-140 |
| 105600-26-8 | PCB-202L | 82 | | 30-140 |
| 234446-64-1 | PCB-205L | 75 | | 30-140 |
| 208263-75-6 | PCB-206L | 69 | | 30-140 |
| 234432-92-9 | PCB-208L | 74 | | 30-140 |
| 105600-27-9 | PCB-209L | 65 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 71 | | 40-125 |
| 235416-29-2 | PCB-111L | 85 | | 40-125 |
| 232919-67-4 | PCB-178L | 84 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Lims ID: MB 140-34150/12-B
Client ID:
Sample Type: MB
Inject. Date: 09-Oct-2019 16:44:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 23:15:07 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 23:16:03

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | | | 0.0154 | 0.0154 | | |
| D PCB-1L | 11:44 | 3213331 | 2.99 | 1.3140 | 67.4 | 67.4 | 0.3285 | 0.3285 | 67.42 | |
| D PCB-3L | 13:55 | 3462204 | 3.15 | 1.3615 | 70.1 | 70.1 | 0.3170 | 0.3170 | 70.11 | |
| PCB-1 | 11:47 | | | | | | 0.0150 | 0.0150 | | |
| PCB-2 | 13:46 | | | | | | 0.0153 | 0.0153 | | |
| PCB-3 | 13:57 | | | | | | 0.0154 | 0.0154 | | |
| S Total Dichlorobiphenyls | | | | | 0.3255 | 0.2835 | 0.0331 | 0.0331 | | RQ |
| D PCB-4L | 14:10 | 1439543 | 1.62 | 0.5996 | 66.2 | 66.2 | 0.2550 | 0.2550 | 66.20 | |
| * PCB-9L | 16:08 | 3626895 | 1.64 | 4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-8L | 17:00 | | | | | | 0.2242 | 0.2242 | | |
| D PCB-15L | 20:04 | 2751553 | 1.64 | 1.0280 | 73.8 | 73.8 | 0.1487 | 0.1487 | 73.80 | |
| PCB-4 | 14:12 | | | | | | 0.0481 | 0.0481 | | |
| PCB-10 | 14:23 | | | | | | 0.0340 | 0.0340 | | |
| PCB-9 | 16:11 | | | | | | 0.0355 | 0.0355 | | |
| PCB-7 | 16:21 | | | | | | 0.0310 | 0.0310 | | |
| PCB-6 | 16:35 | | | | | | 0.0324 | 0.0324 | | |
| PCB-5 | 16:53 | | | | | | 0.0323 | 0.0323 | | |
| PCB-8 | 17:01 | | | | | | 0.0317 | 0.0317 | | |
| PCB-14 | 18:38 | | | | | | 0.0269 | 0.0269 | | |
| PCB-11 | 19:28 | 9712 | 1.56 | 1.6347 | 0.3255 | 0.2835 | 0.0308 | 0.0308 | | RQ |
| PCB-12 | 19:48 | | | | | | 0.0307 | 0.0307 | | |
| PCB-13 (C12) | 19:48 | | | | | | 0.0307 | 0.0307 | | |
| PCB-15 | 20:06 | | | | | | 0.0309 | 0.0309 | | |
| S Total Trichlorobiphenyl | | | | | 0.5207 | 0.4516 | 0.0190 | 0.0190 | | RQ |
| D PCB-19L | 17:16 | 1016651 | 1.08 | 0.6095 | 63.9 | 63.9 | 0.7339 | 0.7339 | 63.95 | |
| * PCB-32L | 20:32 | 2608528 | 1.10 | 2.2E+04 | 100.0 | 100.0 | | | | |
| * PCB-31L | 22:48 | 7606834 | 1.05 | 6.8E+04 | 100.0 | 100.0 | | | | |
| $ PCB-28L | 23:06 | 5889138 | 1.11 | 1.0975 | 70.5 | 70.5 | 0.1981 | 0.1981 | 70.54 | |
| D PCB-37L | 27:06 | 5203385 | 1.10 | 0.9024 | 75.8 | 75.8 | 0.2409 | 0.2409 | 75.80 | |
| PCB-19 | 17:19 | | | | | | 0.0310 | 0.0310 | | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-18 | 19:11 | 1512 | 1.04 | 1.8188 | 0.0982 | 0.0818 | 0.0223 | 0.0223 | | RQMa |
| PCB-30 (C18) | 19:11 | 1512 | 1.04 | 1.8188 | 0.0982 | 0.0818 | 0.0223 | 0.0223 | | RQMa |
| PCB-17 | 19:34 | 938 | 1.04 | 1.5641 | 0.0745 | 0.0590 | 0.0259 | 0.0259 | | RQMa |
| PCB-27 | 19:49 | | | | | | 0.0187 | 0.0187 | | |
| PCB-24 | 19:56 | | | | | | 0.0193 | 0.0193 | | |
| PCB-16 | 20:03 | | | | | | 0.0330 | 0.0330 | | |
| PCB-32 | 20:34 | | | | | | 0.0173 | 0.0173 | | |
| PCB-34 | 21:50 | | | | | | 0.0176 | 0.0176 | | |
| PCB-23 | 21:59 | | | | | | 0.0169 | 0.0169 | | |
| PCB-26 | 22:17 | 1721 | 0.95 | 1.3193 | 0.0251 | 0.0251 | 0.0163 | 0.0163 | | |
| PCB-29 (C26) | 22:17 | 1721 | 0.95 | 1.3193 | 0.0251 | 0.0251 | 0.0163 | 0.0163 | | |
| PCB-25 | 22:32 | | | | | | 0.0159 | 0.0159 | | |
| PCB-31 | 22:49 | 3482 | 1.04 | 1.3809 | 0.0549 | 0.0485 | 0.0155 | 0.0155 | | RQ |
| PCB-20 | 23:07 | 6611 | 1.04 | 1.3057 | 0.1144 | 0.0973 | 0.0164 | 0.0164 | | RQ |
| PCB-28 (C20) | 23:07 | 6611 | 1.04 | 1.3057 | 0.1144 | 0.0973 | 0.0164 | 0.0164 | | RQ |
| PCB-21 | 23:20 | 3732 | 1.04 | 1.3777 | 0.0608 | 0.0521 | 0.0156 | 0.0156 | | RQ |
| PCB-33 (C21) | 23:20 | 3732 | 1.04 | 1.3777 | 0.0608 | 0.0521 | 0.0156 | 0.0156 | | RQ |
| PCB-22 | 23:46 | 3400 | 0.89 | 1.2430 | 0.0526 | 0.0526 | 0.0173 | 0.0173 | | |
| PCB-36 | 25:20 | | | | | | 0.0159 | 0.0159 | | |
| PCB-39 | 25:41 | | | | | | 0.0154 | 0.0154 | | |
| PCB-38 | 26:15 | | | | | | 0.0163 | 0.0163 | | |
| PCB-35 | 26:44 | | | | | | 0.0176 | 0.0176 | | |
| PCB-37 | 27:06 | 2370 | 1.04 | 1.2879 | 0.0403 | 0.0354 | 0.0167 | 0.0167 | | RQMa |
| S Total Tetrachlorobiphen | | | | | 1.389 | 1.297 | 0.0141 | 0.0141 | | RQ |
| D PCB-54L | 20:22 | 1072362 | 0.78 | 0.6515 | 63.1 | 63.1 | 0.0633 | 0.0633 | 63.10 | |
| * PCB-52L | 24:56 | 3981556 | 0.82 | 3.9E+04 | 100.0 | 100.0 | | | | |
| $ PCB-79L | 32:52 | | | | | | 0.1482 | 0.1482 | | |
| D PCB-81L | 33:52 | 3716538 | 0.80 | 1.2328 | 75.7 | 75.7 | 0.1102 | 0.1102 | 75.72 | |
| D PCB-77L | 34:26 | 3997792 | 0.79 | 1.2523 | 80.2 | 80.2 | 0.1085 | 0.1085 | 80.18 | |
| PCB-54 | 20:24 | | | | | | 0.008631 | 0.008631 | | RQU |
| PCB-50 | 22:35 | | | | | | 0.0178 | 0.0178 | | |
| PCB-53 (C50) | 22:35 | | | | | | 0.0178 | 0.0178 | | |
| PCB-45 | 23:19 | 3360 | 0.77 | 0.8850 | 0.1433 | 0.0984 | 0.0189 | 0.0189 | | RQMa |
| PCB-51 (C45) | 23:19 | 3360 | 0.77 | 0.8850 | 0.1433 | 0.0984 | 0.0189 | 0.0189 | | RQMa |
| PCB-46 | 23:33 | | | | | | 0.0220 | 0.0220 | | |
| PCB-52 | 24:57 | 8336 | 0.77 | 0.8992 | 0.2576 | 0.2403 | 0.0186 | 0.0186 | | RQ |
| PCB-43 | 25:07 | | | | | | 0.0167 | 0.0167 | | |
| PCB-73 (C43) | 25:07 | | | | | | 0.0167 | 0.0167 | | |
| PCB-49 | 25:28 | 6148 | 0.68 | 1.1366 | 0.1402 | 0.1402 | 0.0147 | 0.0147 | | Ma |
| PCB-69 (C49) | 25:28 | 6148 | 0.68 | 1.1366 | 0.1402 | 0.1402 | 0.0147 | 0.0147 | | Ma |
| PCB-48 | 25:44 | | | | | | 0.0177 | 0.0177 | | |
| PCB-44 | 26:00 | 16128 | 0.78 | 1.0323 | 0.4050 | 0.4050 | 0.0162 | 0.0162 | | Ma |
| PCB-47 (C44) | 26:00 | 16128 | 0.78 | 1.0323 | 0.4050 | 0.4050 | 0.0162 | 0.0162 | | Ma |
| PCB-65 (C44) | 26:00 | 16128 | 0.78 | 1.0323 | 0.4050 | 0.4050 | 0.0162 | 0.0162 | | Ma |
| PCB-59 | 26:17 | | | | | | 0.0123 | 0.0123 | | |
| PCB-62 (C59) | 26:17 | | | | | | 0.0123 | 0.0123 | | |
| PCB-75 (C59) | 26:17 | | | | | | 0.0123 | 0.0123 | | |
| PCB-42 | 26:29 | | | | | | 0.0193 | 0.0193 | | |
| PCB-40 | 26:59 | | | | | | 0.0182 | 0.0182 | | |
| PCB-41 (C40) | 26:59 | | | | | | 0.0182 | 0.0182 | | |
| PCB-71 (C40) | 26:59 | | | | | | 0.0182 | 0.0182 | | |
| PCB-64 | 27:12 | | | | | | 0.0118 | 0.0118 | | |
| PCB-72 | 28:02 | | | | | | 0.0127 | 0.0127 | | |
| PCB-68 | 28:20 | 1505 | 0.77 | 1.4782 | 0.0446 | 0.0264 | 0.0113 | 0.0113 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-57 | 28:44 | | | | | | 0.0130 | 0.0130 | | |
| PCB-58 | 28:59 | | | | | | 0.0126 | 0.0126 | | |
| PCB-67 | 29:09 | | | | | | 0.0120 | 0.0120 | | |
| PCB-63 | 29:25 | | | | | | 0.0114 | 0.0114 | | |
| PCB-61 | 29:44 | 13443 | 0.87 | 1.3565 | 0.2569 | 0.2569 | 0.0123 | 0.0123 | | |
| PCB-70 (C61) | 29:44 | 13443 | 0.87 | 1.3565 | 0.2569 | 0.2569 | 0.0123 | 0.0123 | | |
| PCB-74 (C61) | 29:44 | 13443 | 0.87 | 1.3565 | 0.2569 | 0.2569 | 0.0123 | 0.0123 | | |
| PCB-76 (C61) | 29:44 | 13443 | 0.87 | 1.3565 | 0.2569 | 0.2569 | 0.0123 | 0.0123 | | |
| PCB-66 | 30:03 | 6387 | 0.77 | 1.2800 | 0.1414 | 0.1294 | 0.0130 | 0.0130 | | RQ |
| PCB-55 | 30:14 | | | | | | 0.0129 | 0.0129 | | |
| PCB-56 | 30:44 | | | | | | 0.0132 | 0.0132 | | |
| PCB-60 | 30:57 | | | | | | 0.0126 | 0.0126 | | |
| PCB-80 | 31:22 | | | | | | 0.0114 | 0.0114 | | |
| PCB-79 | 32:53 | | | | | | 0.0108 | 0.0108 | | |
| PCB-78 | 33:27 | | | | | | 0.0127 | 0.0127 | | |
| PCB-81 | 33:53 | | | | | | 0.0128 | 0.0128 | | |
| PCB-77 | 34:27 | | | | | | 0.0123 | 0.0123 | | |
| S Total Pentachlorobiphen | | | | | 3.325 | 3.122 | 0.0203 | 0.0203 | | RQ |
| D PCB-104L | 25:53 | 2477247 | 1.66 | 1.1164 | 76.7 | 76.7 | 0.0154 | 0.0154 | 76.67 | |
| $ PCB-95L | 28:51 | | | | | | 0.0235 | 0.0235 | | |
| * PCB-101L | 31:48 | 2894037 | 1.63 | 3.4E+04 | 100.0 | 100.0 | | | | |
| $ PCB-111L | 34:29 | 2988960 | 1.61 | 1.2177 | 84.8 | 84.8 | 0.0141 | 0.0141 | 84.82 | |
| D PCB-123L | 36:26 | 4094012 | 1.61 | 0.9909 | 75.1 | 75.1 | 0.8258 | 0.8258 | 75.08 | |
| D PCB-118L | 36:46 | 4391223 | 1.64 | 1.0256 | 77.8 | 77.8 | 0.7979 | 0.7979 | 77.82 | |
| D PCB-114L | 37:17 | 4118869 | 1.58 | 1.0030 | 74.6 | 74.6 | 0.8159 | 0.8159 | 74.63 | |
| D PCB-105L | 37:57 | 4200674 | 1.63 | 1.0013 | 76.2 | 76.2 | 0.8173 | 0.8173 | 76.25 | |
| * PCB-127L | 39:25 | 5502429 | 1.58 | 4.9E+04 | 100.0 | 100.0 | | | | |
| D PCB-126L | 41:02 | 4227878 | 1.55 | 0.9020 | 85.2 | 85.2 | 0.9072 | 0.9072 | 85.18 | |
| PCB-104 | 25:55 | | | | | | 0.0171 | 0.0171 | | |
| PCB-96 | 26:17 | | | | | | 0.0194 | 0.0194 | | |
| PCB-103 | 28:13 | | | | | | 0.0230 | 0.0230 | | |
| PCB-94 | 28:27 | | | | | | 0.0263 | 0.0263 | | |
| PCB-95 | 28:52 | 11012 | 1.57 | 0.9620 | 0.4621 | 0.4621 | 0.0247 | 0.0247 | | |
| PCB-93 | 29:06 | | | | | | 0.0243 | 0.0243 | | |
| PCB-100 (C93) | 29:06 | | | | | | 0.0243 | 0.0243 | | |
| PCB-98 | 29:15 | | | | | | 0.0241 | 0.0241 | | |
| PCB-102 (C98) | 29:15 | | | | | | 0.0241 | 0.0241 | | |
| PCB-88 | 29:45 | 2463 | 1.55 | 1.0052 | 0.1211 | 0.0989 | 0.0237 | 0.0237 | | RQ |
| PCB-91 (C88) | 29:45 | 2463 | 1.55 | 1.0052 | 0.1211 | 0.0989 | 0.0237 | 0.0237 | | RQ |
| PCB-84 | 29:57 | 2928 | 1.55 | 0.8601 | 0.1558 | 0.1374 | 0.0277 | 0.0277 | | RQ |
| PCB-89 | 30:27 | | | | | | 0.0266 | 0.0266 | | |
| PCB-121 | 30:52 | | | | | | 0.0170 | 0.0170 | | |
| PCB-92 | 31:15 | 2563 | 1.77 | 0.9532 | 0.1085 | 0.1085 | 0.0250 | 0.0250 | | Ma |
| PCB-90 | 31:49 | 13884 | 1.55 | 1.1367 | 0.5449 | 0.4931 | 0.0209 | 0.0209 | | RQ |
| PCB-101 (C90) | 31:49 | 13884 | 1.55 | 1.1367 | 0.5449 | 0.4931 | 0.0209 | 0.0209 | | RQ |
| PCB-113 (C90) | 31:49 | 13884 | 1.55 | 1.1367 | 0.5449 | 0.4931 | 0.0209 | 0.0209 | | RQ |
| PCB-83 | 32:23 | 6786 | 1.55 | 0.9393 | 0.3339 | 0.2916 | 0.0253 | 0.0253 | | RQMa |
| PCB-99 (C83) | 32:23 | 6786 | 1.55 | 0.9393 | 0.3339 | 0.2916 | 0.0253 | 0.0253 | | RQMa |
| PCB-112 | 32:31 | | | | | | 0.0174 | 0.0174 | | |
| PCB-86 | 32:54 | 8968 | 1.55 | 1.1958 | 0.3590 | 0.3027 | 0.0199 | 0.0199 | | RQMa |
| PCB-87 (C86) | 32:54 | 8968 | 1.55 | 1.1958 | 0.3590 | 0.3027 | 0.0199 | 0.0199 | | RQMa |
| PCB-97 (C86) | 32:54 | 8968 | 1.55 | 1.1958 | 0.3590 | 0.3027 | 0.0199 | 0.0199 | | RQMa |
| PCB-109 (C86) | 32:54 | 8968 | 1.55 | 1.1958 | 0.3590 | 0.3027 | 0.0199 | 0.0199 | | RQMa |
| PCB-119 (C86) | 32:54 | 8968 | 1.55 | 1.1958 | 0.3590 | 0.3027 | 0.0199 | 0.0199 | | RQMa |
| PCB-125 (C86) | 32:54 | 8968 | 1.55 | 1.1958 | 0.3590 | 0.3027 | 0.0199 | 0.0199 | | RQMa |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-85 | 33:38 | | | | | | 0.0196 | 0.0196 | | |
| PCB-116 (C85) | 33:38 | | | | | | 0.0196 | 0.0196 | | |
| PCB-117 (C85) | 33:38 | | | | | | 0.0196 | 0.0196 | | |
| PCB-110 | 33:47 | 18824 | 1.68 | 1.3511 | 0.5624 | 0.5624 | 0.0176 | 0.0176 | | a |
| PCB-115 (C110) | 33:47 | 18824 | 1.68 | 1.3511 | 0.5624 | 0.5624 | 0.0176 | 0.0176 | | a |
| PCB-82 | 34:06 | 1547 | 1.57 | 0.8675 | 0.0720 | 0.0720 | 0.0274 | 0.0274 | | |
| PCB-111 | 34:30 | | | | | | 0.0167 | 0.0167 | | |
| PCB-120 | 34:58 | | | | | | 0.0160 | 0.0160 | | |
| PCB-108 | 36:06 | | | | | | 0.0176 | 0.0176 | | |
| PCB-124 (C108) | 36:06 | | | | | | 0.0176 | 0.0176 | | |
| PCB-107 | 36:24 | 1428 | 1.55 | 1.3580 | 0.0303 | 0.0250 | 0.0162 | 0.0162 | | RQMa |
| PCB-123 | 36:26 | | | | | | 0.0166 | 0.0166 | | U |
| PCB-106 | 36:35 | | | | | | 0.0173 | 0.0173 | | |
| PCB-118 | 36:47 | 23234 | 1.43 | 1.2892 | 0.4104 | 0.4104 | 0.0166 | 0.0166 | | |
| PCB-122 | 37:08 | 1130 | 1.55 | 1.1614 | 0.0306 | 0.0231 | 0.0190 | 0.0190 | | RQ |
| PCB-114 | 37:19 | | | | | | 0.0157 | 0.0157 | | |
| PCB-105 | 37:58 | 7277 | 1.43 | 1.2887 | 0.1344 | 0.1344 | 0.0171 | 0.0171 | | |
| PCB-127 | 39:27 | | | | | | 0.0172 | 0.0172 | | |
| PCB-126 | 41:03 | | | | | | 0.0167 | 0.0167 | | |
| S Total Hexachlorobipheny | | | | | 2.360 | 2.320 | 0.0173 | 0.0173 | | RQ |
| D PCB-155L | 31:34 | 2399398 | 1.30 | 0.9499 | 87.3 | 87.3 | 0.0120 | 0.0120 | 87.28 | |
| $ PCB-153L | 38:39 | 49372 | 1.20 | 0.9597 | 1.408 | 1.408 | 0.5276 | 0.5276 | | |
| * PCB-138L | 39:54 | 3628859 | 1.32 | 3.6E+04 | 100.0 | 100.0 | | | | |
| D PCB-167L | 42:54 | 3711215 | 1.29 | 1.2544 | 81.5 | 81.5 | 0.3387 | 0.3387 | 81.53 | |
| D PCB-156L | 44:03 | 7304194 | 1.28 | 1.2289 | 163.8 | 163.8 | 0.3457 | 0.3457 | 81.89 | |
| D PCB-157L (C156L) | 44:03 | 7304194 | 1.28 | 1.2289 | 163.8 | 163.8 | 0.3457 | 0.3457 | 81.89 | |
| D PCB-169L | 47:17 | 3603371 | 1.26 | 1.0883 | 91.2 | 91.2 | 0.3904 | 0.3904 | 91.24 | |
| PCB-155 | 31:36 | | | | | | 0.0108 | 0.0108 | | |
| PCB-152 | 31:48 | | | | | | 0.0112 | 0.0112 | | |
| PCB-150 | 31:58 | | | | | | 0.0114 | 0.0114 | | |
| PCB-136 | 32:20 | 1739 | 1.24 | 1.1563 | 0.0700 | 0.0627 | 0.0122 | 0.0122 | | RQMa |
| PCB-145 | 32:37 | | | | | | 0.0118 | 0.0118 | | |
| PCB-148 | 34:08 | | | | | | 0.0157 | 0.0157 | | |
| PCB-135 | 34:47 | 4131 | 1.26 | 0.8691 | 0.1981 | 0.1981 | 0.0162 | 0.0162 | | Ma |
| PCB-151 (C135) | 34:47 | 4131 | 1.26 | 0.8691 | 0.1981 | 0.1981 | 0.0162 | 0.0162 | | Ma |
| PCB-154 | 34:59 | | | | | | 0.0138 | 0.0138 | | |
| PCB-144 | 35:18 | | | | | | 0.0153 | 0.0153 | | |
| PCB-147 | 35:39 | 15317 | 1.13 | 0.9747 | 0.4300 | 0.4300 | 0.0208 | 0.0208 | | |
| PCB-149 (C147) | 35:39 | 15317 | 1.13 | 0.9747 | 0.4300 | 0.4300 | 0.0208 | 0.0208 | | |
| PCB-134 | 35:57 | | | | | | 0.0238 | 0.0238 | | |
| PCB-143 (C134) | 35:57 | | | | | | 0.0238 | 0.0238 | | |
| PCB-139 | 36:15 | | | | | | 0.0203 | 0.0203 | | |
| PCB-140 (C139) | 36:15 | | | | | | 0.0203 | 0.0203 | | |
| PCB-131 | 36:27 | | | | | | 0.0236 | 0.0236 | | |
| PCB-142 | 36:36 | | | | | | 0.0236 | 0.0236 | | |
| PCB-132 | 36:55 | 5065 | 1.05 | 0.8801 | 0.1575 | 0.1575 | 0.0231 | 0.0231 | | Ma |
| PCB-133 | 37:25 | | | | | | 0.0224 | 0.0224 | | |
| PCB-165 | 37:49 | | | | | | 0.0181 | 0.0181 | | |
| PCB-146 | 38:03 | 4204 | 1.32 | 1.0084 | 0.1141 | 0.1141 | 0.0201 | 0.0201 | | |
| PCB-161 | 38:12 | | | | | | 0.0152 | 0.0152 | | |
| PCB-153 | 38:40 | 17345 | 1.11 | 1.2207 | 0.3888 | 0.3888 | 0.0166 | 0.0166 | | |
| PCB-168 (C153) | 38:40 | 17345 | 1.11 | 1.2207 | 0.3888 | 0.3888 | 0.0166 | 0.0166 | | |
| PCB-141 | 38:52 | 2858 | 1.24 | 0.9608 | 0.0901 | 0.0814 | 0.0211 | 0.0211 | | RQ |
| PCB-130 | 39:17 | 1288 | 1.41 | 0.8274 | 0.0426 | 0.0426 | 0.0245 | 0.0245 | | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-137 | 39:30 | | | | | | 0.0192 | 0.0192 | | |
| PCB-164 | 39:35 | 2466 | 1.30 | 1.2527 | 0.0539 | 0.0539 | 0.0162 | 0.0162 | | |
| PCB-129 | 39:57 | 17528 | 1.25 | 1.0840 | 0.4425 | 0.4425 | 0.0187 | 0.0187 | | |
| PCB-138 (C129) | 39:57 | 17528 | 1.25 | 1.0840 | 0.4425 | 0.4425 | 0.0187 | 0.0187 | | |
| PCB-160 (C129) | 39:57 | 17528 | 1.25 | 1.0840 | 0.4425 | 0.4425 | 0.0187 | 0.0187 | | |
| PCB-163 (C129) | 39:57 | 17528 | 1.25 | 1.0840 | 0.4425 | 0.4425 | 0.0187 | 0.0187 | | |
| PCB-158 | 40:20 | 2917 | 1.24 | 1.3862 | 0.0656 | 0.0576 | 0.0146 | 0.0146 | | RQMa |
| PCB-128 | 41:11 | 4316 | 1.23 | 1.1165 | 0.1058 | 0.1058 | 0.0182 | 0.0182 | | |
| PCB-166 (C128) | 41:11 | 4316 | 1.23 | 1.1165 | 0.1058 | 0.1058 | 0.0182 | 0.0182 | | |
| PCB-159 | 42:10 | | | | | | 0.0154 | 0.0154 | | |
| PCB-162 | 42:29 | 1109 | 1.24 | 1.3623 | 0.0245 | 0.0223 | 0.0149 | 0.0149 | | RQMa |
| PCB-167 | 42:56 | 1810 | 1.24 | 1.3357 | 0.0405 | 0.0365 | 0.0125 | 0.0125 | | RQ |
| PCB-156 | 44:03 | 4630 | 1.24 | 1.2759 | 0.1092 | 0.0994 | 0.0192 | 0.0192 | | RQMa |
| PCB-157 (C156) | 44:03 | 4630 | 1.24 | 1.2759 | 0.1092 | 0.0994 | 0.0192 | 0.0192 | | RQMa |
| PCB-169 | 47:18 | 1266 | 1.07 | 1.2825 | 0.0274 | 0.0274 | 0.0140 | 0.0140 | | |
| S Total Heptachlorobiphen | | | | | 1.188 | 1.084 | 0.007046 | 0.007046 | | RQ |
| D PCB-188L | 37:18 | 2951439 | 1.07 | 1.3162 | 74.0 | 74.0 | 0.0469 | 0.0469 | 74.03 | |
| $ PCB-178L | 40:21 | 2337581 | 1.08 | 0.9222 | 83.7 | 83.7 | 0.0669 | 0.0669 | 83.67 | |
| * PCB-180L | 45:27 | 3029292 | 1.08 | 3.2E+04 | 100.0 | 100.0 | | | | |
| D PCB-170L | 46:42 | 1869265 | 1.06 | 0.8357 | 73.8 | 73.8 | 0.0738 | 0.0738 | 73.84 | |
| D PCB-189L | 49:49 | 4840871 | 1.05 | 1.4666 | 87.6 | 87.6 | 0.3316 | 0.3316 | 87.65 | |
| PCB-188 | 37:20 | | | | | | 0.005202 | 0.005202 | | |
| PCB-179 | 37:39 | 1793 | 1.05 | 1.4149 | 0.0584 | 0.0526 | 0.005764 | 0.005764 | | RQ |
| PCB-184 | 38:12 | | | | | | 0.005747 | 0.005747 | | |
| PCB-176 | 38:30 | 747 | 1.05 | 1.5212 | 0.0226 | 0.0204 | 0.005361 | 0.005361 | | RQ |
| PCB-186 | 39:00 | | | | | | 0.005683 | 0.005683 | | |
| PCB-178 | 40:21 | 588 | 1.05 | 1.0228 | 0.0296 | 0.0239 | 0.007974 | 0.007974 | | RQ |
| PCB-175 | 41:01 | | | | | | 0.007629 | 0.007629 | | |
| PCB-187 | 41:17 | 4256 | 1.06 | 1.1106 | 0.1590 | 0.1590 | 0.007343 | 0.007343 | | |
| PCB-182 | 41:30 | | | | | | 0.007102 | 0.007102 | | |
| PCB-183 | 41:53 | 4011 | 0.90 | 1.1368 | 0.1464 | 0.1464 | 0.007174 | 0.007174 | | |
| PCB-185 (C183) | 41:53 | 4011 | 0.90 | 1.1368 | 0.1464 | 0.1464 | 0.007174 | 0.007174 | | |
| PCB-174 | 42:09 | 2224 | 1.05 | 0.9547 | 0.1306 | 0.0966 | 0.008542 | 0.008542 | | RQMa |
| PCB-177 | 42:36 | 1888 | 1.05 | 0.9426 | 0.0965 | 0.0831 | 0.008652 | 0.008652 | | RQ |
| PCB-181 | 42:58 | | | | | | 0.007364 | 0.007364 | | |
| PCB-171 | 43:11 | 2111 | 1.05 | 0.9603 | 0.1015 | 0.0912 | 0.008492 | 0.008492 | | RQMa |
| PCB-173 (C171) | 43:11 | 2111 | 1.05 | 0.9603 | 0.1015 | 0.0912 | 0.008492 | 0.008492 | | RQMa |
| PCB-172 | 44:48 | 366 | 1.05 | 0.9918 | 0.0173 | 0.0153 | 0.008223 | 0.008223 | | RQ |
| PCB-192 | 45:03 | | | | | | 0.006320 | 0.006320 | | RQU |
| PCB-180 | 45:29 | 6608 | 1.05 | 1.2286 | 0.2441 | 0.2231 | 0.006638 | 0.006638 | | RQMa |
| PCB-193 (C180) | 45:29 | 6608 | 1.05 | 1.2286 | 0.2441 | 0.2231 | 0.006638 | 0.006638 | | RQMa |
| PCB-191 | 45:49 | | | | | | 0.005889 | 0.005889 | | RQU |
| PCB-170 | 46:42 | 2511 | 1.07 | 1.2700 | 0.1058 | 0.1058 | 0.008608 | 0.008608 | | Ma |
| PCB-190 | 47:15 | 1485 | 1.12 | 1.3774 | 0.0447 | 0.0447 | 0.005921 | 0.005921 | | |
| PCB-189 | 49:50 | 1332 | 1.05 | 1.2799 | 0.0319 | 0.0215 | 0.008330 | 0.008330 | | RQ |
| S Total Octachlorobipheny | | | | | 0.3752 | 0.3158 | 0.0103 | 0.0103 | | RQ |
| D PCB-202L | 42:41 | 2506513 | 0.91 | 1.0055 | 82.3 | 82.3 | 0.0132 | 0.0132 | 82.29 | |
| * PCB-194L | 51:56 | 3765849 | 0.91 | 3.5E+04 | 100.0 | 100.0 | | | | |
| D PCB-205L | 52:24 | 3616603 | 0.90 | 1.2867 | 74.6 | 74.6 | 0.0822 | 0.0822 | 74.64 | |
| PCB-202 | 42:41 | 995 | 0.77 | 1.0531 | 0.0377 | 0.0377 | 0.0106 | 0.0106 | | |
| PCB-201 | 43:37 | 874 | 0.89 | 1.1860 | 0.0444 | 0.0294 | 0.009375 | 0.009375 | | RQ |
| PCB-204 | 44:18 | | | | | | 0.0101 | 0.0101 | | |
| PCB-197 | 44:34 | 1029 | 0.89 | 1.2053 | 0.0388 | 0.0341 | 0.009225 | 0.009225 | | RQ |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | 44:38 | | | | | | 0.009875 | 0.009875 | | |
| PCB-198 | 47:26 | 1479 | 0.89 | 0.8183 | 0.1051 | 0.0721 | 0.0136 | 0.0136 | | RQ |
| PCB-199 (C198) | 47:26 | 1479 | 0.89 | 0.8183 | 0.1051 | 0.0721 | 0.0136 | 0.0136 | | RQ |
| PCB-196 | 48:05 | 903 | 0.89 | 0.8748 | 0.0412 | 0.0412 | 0.0127 | 0.0127 | | |
| PCB-203 | 48:20 | | | | | | 0.0121 | 0.0121 | | U |
| PCB-195 | 49:37 | 1078 | 0.89 | 0.7839 | 0.0447 | 0.0380 | 0.0102 | 0.0102 | | RQ |
| PCB-194 | 51:58 | 2127 | 0.95 | 0.9282 | 0.0634 | 0.0634 | 0.008632 | 0.008632 | | Ma |
| PCB-205 | 52:25 | | | | | | 0.006492 | 0.006492 | | RQU |
| S Total Nonachlorobipheny | | | | | | | 0.0664 | 0.0664 | | |
| D PCB-208L | 49:22 | 3169303 | 0.80 | 1.1383 | 73.9 | 73.9 | 0.2545 | 0.2545 | 73.94 | |
| D PCB-206L | 54:10 | 2336368 | 0.82 | 0.8938 | 69.4 | 69.4 | 0.3241 | 0.3241 | 69.41 | |
| PCB-208 | 49:23 | | | | | | 0.0485 | 0.0485 | | |
| PCB-207 | 50:20 | | | | | | 0.0470 | 0.0470 | | |
| PCB-206 | 54:12 | | | | | | 0.0664 | 0.0664 | | |
| D PCB-209L | 55:48 | 2402158 | 0.71 | 0.9809 | 65.0 | 65.0 | 0.0224 | 0.0224 | 65.03 | |
| DCB Decachlorobiphenyl | 55:51 | | | | | | 0.007736 | 0.007736 | | |
| S Polychlorinated bipheny | | | | | 9.485 | | 0.0217 | 0.0217 | | RQ |
| PCB-8L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |
| PCB-47L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |
| PCB-28L (PRC) | 0.0 | | | | | | 0.0 | 0.0 | | |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Lims ID: MB 140-34150/12-B
Client ID:
Sample Type: MB
Inject. Date: 09-Oct-2019 16:44:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-007
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 23:15:07 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0305

First Level Reviewer: mcwhirterl Date: 09-Oct-2019 23:16:03

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:44 | 11:46 | -2 | 0.728 | 2408947 | 910622 | 781 | 1952 | 1166 | | |
| 202.0766 | 11:44 | 11:46 | -2 | 0.728 | 804384 | 296518 | 1105 | 2762 | 268 | 2.99(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:55 | 13:56 | -2 | 0.862 | 2627071 | 884450 | 781 | 1952 | 1132 | | |
| 202.0766 | 13:55 | 13:56 | -2 | 0.862 | 835133 | 269073 | 1105 | 2762 | 244 | 3.15(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:45 | | | | | | 46 | 115 | | | |
| 190.0363 | 11:45 | | | | | | 40 | 100 | | | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:45 | | | | | | 46 | 115 | | | |
| 190.0363 | 13:45 | | | | | | 40 | 100 | | | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:56 | | | | | | 46 | 115 | | | |
| 190.0363 | 13:56 | | | | | | 40 | 100 | | | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:10 | 14:11 | -2 | 0.878 | 889085 | 293991 | 542 | 1355 | 542 | | |
| 236.0376 | 14:10 | 14:11 | -2 | 0.878 | 550458 | 181711 | 126 | 315 | 1442 | 1.62(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:08 | 16:10 | -2 | | 2253919 | 678429 | 542 | 1355 | 1252 | | |
| 236.0376 | 16:08 | 16:10 | -2 | | 1372976 | 413945 | 126 | 315 | 3285 | 1.64(1.33-1.79) | |
| PCB-8L | | | | | | | | | | | |
| 234.0406 | 17:00 | | | | | | 542 | 1355 | | | |
| 236.0376 | 17:00 | | | | | | 126 | 315 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:04 | -1 | 1.243 | 1710123 | 410066 | 542 | 1355 | 757 | | |
| 236.0376 | 20:04 | 20:04 | -1 | 1.243 | 1041430 | 252922 | 126 | 315 | 2007 | 1.64(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:11 | | | | | | 80 | 200 | | | |
| 223.9974 | 14:11 | | | | | | 35 | 87 | | | |
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:22 | | | | | | 80 | 200 | | | |
| 223.9974 | 14:22 | | | | | | 35 | 87 | | | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:09 | | | | | | 80 | 200 | | | |
| 223.9974 | 16:09 | | | | | | 35 | 87 | | | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:19 | | | | | | 80 | 200 | | | |
| 223.9974 | 16:19 | | | | | | 35 | 87 | | | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:34 | | | | | | 80 | 200 | | | |
| 223.9974 | 16:34 | | | | | | 35 | 87 | | | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:52 | | | | | | 80 | 200 | | | |
| 223.9974 | 16:52 | | | | | | 35 | 87 | | | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 16:59 | | | | | | 80 | 200 | | | |
| 223.9974 | 16:59 | | | | | | 35 | 87 | | | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:39 | | | | | | 80 | 200 | | | |
| 223.9974 | 18:39 | | | | | | 35 | 87 | | | |
| PCB-11 | | | | | | | | | | | RQ |
| 222.0003 | 19:28 | 19:29 | 0 | 0.971 | 7355 | 1257 | 80 | 200 | 16 | | |
| | Empc Correction | | | | 5918 | 1531 | 80 | 200 | 19 | | |
| 223.9974 | 19:28 | 19:29 | -1 | 0.970 | 3794 | 982 | 35 | 87 | 28 | 1.94(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:49 | | | | | | 80 | 200 | | | |
| 223.9974 | 19:49 | | | | | | 35 | 87 | | | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:49 | | | | | | 80 | 200 | | | |
| 223.9974 | 19:49 | | | | | | 35 | 87 | | | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:07 | | | | | | 80 | 200 | | | |
| 223.9974 | 20:07 | | | | | | 35 | 87 | | | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:16 | 17:18 | -2 | 0.841 | 527072 | 152040 | 649 | 1622 | 234 | | |
| 269.9986 | 17:16 | 17:18 | -2 | 0.841 | 489579 | 136917 | 552 | 1380 | 248 | 1.08(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:33 | -1 | | 1368157 | 347356 | 649 | 1622 | 535 | | |
| 269.9986 | 20:32 | 20:33 | -1 | | 1240371 | 323827 | 552 | 1380 | 587 | 1.10(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:48 | 22:49 | 0 | | 3898366 | 931235 | 1037 | 2592 | 898 | | |
| 269.9986 | 22:48 | 22:49 | 0 | | 3708468 | 878512 | 537 | 1342 | 1636 | 1.05(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:06 | 23:08 | 0 | 1.013 | 3091644 | 719525 | 1037 | 2592 | 694 | | |
| 269.9986 | 23:06 | 23:08 | 0 | 1.013 | 2797494 | 666570 | 537 | 1342 | 1241 | 1.11(0.88-1.20) | |
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:06 | 27:09 | -1 | 1.188 | 2719953 | 552120 | 1037 | 2592 | 532 | | |
| 269.9986 | 27:06 | 27:09 | 0 | 1.189 | 2483432 | 520157 | 537 | 1342 | 969 | 1.10(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | | | | | | 25 | 62 | | | |
| 257.9584 | 17:18 | | | | | | 22 | 55 | | | |
| PCB-18 | | | | | | | | | | | RQMa |
| 255.9613 | 19:11 | 19:11 | 2 | 1.111 | 771 | 218 | 25 | 62 | 9 | | M |
| 257.9584 | 19:11 | 19:11 | 2 | 1.111 | 1045 | 226 | 22 | 55 | 10 | 0.74(0.88-1.20) | |
| | Empc Correction | | | | 741 | 209 | 22 | 55 | 10 | | |
| PCB-30 (C18) | | | | | | | | | | | RQMa |
| 255.9613 | 19:11 | 19:11 | 2 | 1.111 | 771 | 218 | 25 | 62 | 9 | | M |
| 257.9584 | 19:11 | 19:11 | 2 | 1.111 | 1045 | 226 | 22 | 55 | 10 | 0.74(0.88-1.20) | |
| | Empc Correction | | | | 741 | 209 | 22 | 55 | 10 | | |
| PCB-17 | | | | | | | | | | | RQMa |
| 255.9613 | 19:34 | 19:36 | -2 | 1.133 | 724 | 133 | 25 | 62 | 5 | | M |
| | Empc Correction | | | | 478 | 98 | 25 | 62 | 4 | | |
| 257.9584 | 19:35 | 19:36 | -1 | 1.133 | 460 | 95 | 22 | 55 | 4 | 1.57(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | | | | | | 25 | 62 | | | |
| 257.9584 | 19:48 | | | | | | 22 | 55 | | | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:56 | | | | | | 25 | 62 | | | |
| 257.9584 | 19:56 | | | | | | 22 | 55 | | | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:03 | | | | | | 25 | 62 | | | |
| 257.9584 | 20:03 | | | | | | 22 | 55 | | | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | | | | | | 25 | 62 | | | |
| 257.9584 | 20:34 | | | | | | 22 | 55 | | | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:49 | | | | | | 50 | 125 | | | |
| 257.9584 | 21:49 | | | | | | 42 | 105 | | | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | | | | | | 50 | 125 | | | |
| 257.9584 | 21:58 | | | | | | 42 | 105 | | | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:18 | -1 | 1.290 | 838 | 233 | 50 | 125 | 5 | | |
| 257.9584 | 22:18 | 22:18 | 0 | 1.291 | 883 | 165 | 42 | 105 | 4 | 0.95(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:17 | 22:18 | -1 | 1.290 | 838 | 233 | 50 | 125 | 5 | | |
| 257.9584 | 22:18 | 22:18 | 0 | 1.291 | 883 | 165 | 42 | 105 | 4 | 0.95(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:34 | | | | | | 50 | 125 | | | |
| 257.9584 | 22:34 | | | | | | 42 | 105 | | | |
| PCB-31 | | | | | | | | | | | RQ |
| 255.9613 | 22:49 | 22:52 | -1 | 0.842 | 2236 | 576 | 50 | 125 | 12 | | |
| | Empc Correction | | | | 1775 | 462 | 50 | 125 | 9 | | |
| 257.9584 | 22:49 | 22:52 | -1 | 0.842 | 1707 | 445 | 42 | 105 | 11 | 1.31(0.88-1.20) | |
| PCB-20 | | | | | | | | | | | RQ |
| 255.9613 | 23:07 | 23:11 | -2 | 0.853 | 4533 | 877 | 50 | 125 | 18 | | |
| | Empc Correction | | | | 3370 | 846 | 50 | 125 | 17 | | |
| 257.9584 | 23:07 | 23:11 | -2 | 0.853 | 3241 | 814 | 42 | 105 | 19 | 1.40(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | RQ |
| 255.9613 | 23:07 | 23:11 | -2 | 0.853 | 4533 | 877 | 50 | 125 | 18 | | |
| | Empc Correction | | | | 3370 | 846 | 50 | 125 | 17 | | |
| 257.9584 | 23:07 | 23:11 | -2 | 0.853 | 3241 | 814 | 42 | 105 | 19 | 1.40(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | RQ |
| 255.9613 | 23:20 | 23:24 | -2 | 0.861 | 1903 | 407 | 50 | 125 | 8 | | |
| 257.9584 | 23:21 | 23:24 | -1 | 0.862 | 2455 | 549 | 42 | 105 | 13 | 0.78(0.88-1.20) | |
| | Empc Correction | | | | 1829 | 391 | 42 | 105 | 9 | | |
| PCB-33 (C21) | | | | | | | | | | | RQ |
| 255.9613 | 23:20 | 23:24 | -2 | 0.861 | 1903 | 407 | 50 | 125 | 8 | | |
| 257.9584 | 23:21 | 23:24 | -1 | 0.862 | 2455 | 549 | 42 | 105 | 13 | 0.78(0.88-1.20) | |
| | Empc Correction | | | | 1829 | 391 | 42 | 105 | 9 | | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:46 | 23:48 | 0 | 0.877 | 1604 | 370 | 50 | 125 | 7 | | |
| 257.9584 | 23:46 | 23:48 | 0 | 0.877 | 1796 | 327 | 42 | 105 | 8 | 0.89(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:22 | | | | | | 50 | 125 | | | |
| 257.9584 | 25:22 | | | | | | 42 | 105 | | | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:43 | | | | | | 50 | 125 | | | |
| 257.9584 | 25:43 | | | | | | 42 | 105 | | | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:18 | | | | | | 50 | 125 | | | |
| 257.9584 | 26:18 | | | | | | 42 | 105 | | | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:46 | | | | | | 50 | 125 | | | |
| 257.9584 | 26:46 | | | | | | 42 | 105 | | | |
| PCB-37 | | | | | | | | | | | RQMaM |
| 255.9613 | 27:06 | 27:11 | -2 | 1.000 | 1539 | 340 | 50 | 125 | 7 | | |
| | Empc Correction | | | | 1208 | 248 | 50 | 125 | 5 | | |
| 257.9584 | 27:08 | 27:11 | 0 | 1.001 | 1162 | 239 | 42 | 105 | 6 | 1.32(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:24 | -1 | 0.817 | 470478 | 119727 | 99 | 247 | 1209 | | |
| 303.9597 | 20:22 | 20:24 | -1 | 0.817 | 601884 | 157047 | 12 | 30 | 13087 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:56 | 24:57 | -1 | | 1796856 | 422269 | 234 | 585 | 1805 | | |
| 303.9597 | 24:56 | 24:57 | -1 | | 2184700 | 509978 | 273 | 682 | 1868 | 0.82(0.65-0.89) | |
| PCB-79L | | | | | | | | | | | |
| 301.9626 | 32:52 | | | | | | 234 | 585 | | | |
| 303.9597 | 32:52 | | | | | | 273 | 682 | | | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:52 | 33:55 | 0 | 1.359 | 1648756 | 335916 | 234 | 585 | 1436 | | |
| 303.9597 | 33:52 | 33:55 | 0 | 1.359 | 2067782 | 412253 | 273 | 682 | 1510 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:26 | 34:28 | 0 | 1.381 | 1768373 | 344869 | 234 | 585 | 1474 | | |
| 303.9597 | 34:25 | 34:28 | -1 | 1.381 | 2229419 | 428565 | 273 | 682 | 1570 | 0.79(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | RQU |
| 289.9224 | 20:24 | | | | | | 4 | 10 | | | |
| 291.9194 | 20:24 | | | | | | 8 | 20 | | | |
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:36 | | | | | | 9 | 22 | | | |
| 291.9194 | 22:36 | | | | | | 42 | 105 | | | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:36 | | | | | | 9 | 22 | | | |
| 291.9194 | 22:36 | | | | | | 42 | 105 | | | |
| PCB-45 | | | | | | | | | | | RQMa |
| 289.9224 | 23:19 | 23:20 | 1 | 1.145 | 1462 | 266 | 9 | 22 | 30 | | M |
| 291.9194 | 23:18 | 23:20 | 0 | 1.144 | 3430 | 497 | 42 | 105 | 12 | 0.43(0.65-0.89) | |
| | Empc Correction | | | | 1898 | 345 | 42 | 105 | 8 | | |
| PCB-51 (C45) | | | | | | | | | | | RQMa |
| 289.9224 | 23:19 | 23:20 | 1 | 1.145 | 1462 | 266 | 9 | 22 | 30 | | M |
| 291.9194 | 23:18 | 23:20 | 0 | 1.144 | 3430 | 497 | 42 | 105 | 12 | 0.43(0.65-0.89) | |
| | Empc Correction | | | | 1898 | 345 | 42 | 105 | 8 | | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:34 | | | | | | 9 | 22 | | | |
| 291.9194 | 23:34 | | | | | | 42 | 105 | | | |
| PCB-52 | | | | | | | | | | | RQ |
| 289.9224 | 24:57 | 24:59 | -1 | 1.225 | 4224 | 941 | 9 | 22 | 105 | | |
| | Empc Correction | | | | 3626 | 841 | 9 | 22 | 93 | | |
| 291.9194 | 24:57 | 24:59 | 0 | 1.226 | 4710 | 1093 | 42 | 105 | 26 | 0.90(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | |
| 289.9224 | 25:08 | | | | | | 9 | 22 | | | |
| 291.9194 | 25:08 | | | | | | 42 | 105 | | | |
| PCB-73 (C43) | | | | | | | | | | | |
| 289.9224 | 25:08 | | | | | | 9 | 22 | | | |
| 291.9194 | 25:08 | | | | | | 42 | 105 | | | |
| PCB-49 | | | | | | | | | | | Ma |
| 289.9224 | 25:28 | 25:27 | 3 | 1.251 | 2490 | 545 | 9 | 22 | 61 | | M |
| 291.9194 | 25:26 | 25:27 | 1 | 1.250 | 3658 | 836 | 42 | 105 | 20 | 0.68(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-69 (C49) | | | | | | | | | | | Ma |
| 289.9224 | 25:28 | 25:27 | 3 | 1.251 | 2490 | 545 | 9 | 22 | 61 | | M |
| 291.9194 | 25:26 | 25:27 | 1 | 1.250 | 3658 | 836 | 42 | 105 | 20 | 0.68(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:46 | | | | | | 9 | 22 | | | |
| 291.9194 | 25:46 | | | | | | 42 | 105 | | | |
| PCB-44 | | | | | | | | | | | Ma |
| 289.9224 | 26:00 | 26:01 | 1 | 1.277 | 7050 | 1210 | 9 | 22 | 134 | | M |
| 291.9194 | 25:59 | 26:01 | 0 | 1.276 | 9078 | 1596 | 42 | 105 | 38 | 0.78(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | Ma |
| 289.9224 | 26:00 | 26:01 | 1 | 1.277 | 7050 | 1210 | 9 | 22 | 134 | | M |
| 291.9194 | 25:59 | 26:01 | 0 | 1.276 | 9078 | 1596 | 42 | 105 | 38 | 0.78(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | Ma |
| 289.9224 | 26:00 | 26:01 | 1 | 1.277 | 7050 | 1210 | 9 | 22 | 134 | | M |
| 291.9194 | 25:59 | 26:01 | 0 | 1.276 | 9078 | 1596 | 42 | 105 | 38 | 0.78(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:19 | | | | | | 9 | 22 | | | |
| 291.9194 | 26:19 | | | | | | 42 | 105 | | | |
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | | | | | | 9 | 22 | | | |
| 291.9194 | 26:19 | | | | | | 42 | 105 | | | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:19 | | | | | | 9 | 22 | | | |
| 291.9194 | 26:19 | | | | | | 42 | 105 | | | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:31 | | | | | | 9 | 22 | | | |
| 291.9194 | 26:31 | | | | | | 42 | 105 | | | |
| PCB-40 | | | | | | | | | | | |
| 289.9224 | 27:01 | | | | | | 9 | 22 | | | |
| 291.9194 | 27:01 | | | | | | 42 | 105 | | | |
| PCB-41 (C40) | | | | | | | | | | | |
| 289.9224 | 27:01 | | | | | | 9 | 22 | | | |
| 291.9194 | 27:01 | | | | | | 42 | 105 | | | |
| PCB-71 (C40) | | | | | | | | | | | |
| 289.9224 | 27:01 | | | | | | 9 | 22 | | | |
| 291.9194 | 27:01 | | | | | | 42 | 105 | | | |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:14 | | | | | | 9 | 22 | | | |
| 291.9194 | 27:14 | | | | | | 42 | 105 | | | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:06 | | | | | | 9 | 22 | | | |
| 291.9194 | 28:06 | | | | | | 42 | 105 | | | |
| PCB-68 | | | | | | | | | | | RQ |
| 289.9224 | 28:20 | 28:24 | 0 | 0.836 | 655 | 193 | 9 | 22 | 21 | | |
| 291.9194 | 28:18 | 28:24 | -2 | 0.836 | 1890 | 470 | 42 | 105 | 11 | 0.35(0.65-0.89) | |
| | Empc Correction | | | | 850 | 250 | 42 | 105 | 6 | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:48 | | | | | | 9 | 22 | | | |
| 291.9194 | 28:48 | | | | | | 42 | 105 | | | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:03 | | | | | | 9 | 22 | | | |
| 291.9194 | 29:03 | | | | | | 42 | 105 | | | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:13 | | | | | | 9 | 22 | | | |
| 291.9194 | 29:13 | | | | | | 42 | 105 | | | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:29 | | | | | | 9 | 22 | | | |
| 291.9194 | 29:29 | | | | | | 42 | 105 | | | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:50 | -2 | 0.878 | 6255 | 1168 | 9 | 22 | 130 | | |
| 291.9194 | 29:44 | 29:50 | -2 | 0.878 | 7188 | 1392 | 42 | 105 | 33 | 0.87(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:50 | -2 | 0.878 | 6255 | 1168 | 9 | 22 | 130 | | |
| 291.9194 | 29:44 | 29:50 | -2 | 0.878 | 7188 | 1392 | 42 | 105 | 33 | 0.87(0.65-0.89) | |
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:50 | -2 | 0.878 | 6255 | 1168 | 9 | 22 | 130 | | |
| 291.9194 | 29:44 | 29:50 | -2 | 0.878 | 7188 | 1392 | 42 | 105 | 33 | 0.87(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:50 | -2 | 0.878 | 6255 | 1168 | 9 | 22 | 130 | | |
| 291.9194 | 29:44 | 29:50 | -2 | 0.878 | 7188 | 1392 | 42 | 105 | 33 | 0.87(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | RQ |
| 289.9224 | 30:03 | 30:09 | -2 | 0.887 | 3372 | 698 | 9 | 22 | 78 | | |
| | Empc Correction | | | | 2778 | 636 | 9 | 22 | 71 | | |
| 291.9194 | 30:05 | 30:09 | 1 | 0.888 | 3609 | 826 | 42 | 105 | 20 | 0.93(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:19 | | | | | | 9 | 22 | | | |
| 291.9194 | 30:19 | | | | | | 42 | 105 | | | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:49 | | | | | | 9 | 22 | | | |
| 291.9194 | 30:49 | | | | | | 42 | 105 | | | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 31:02 | | | | | | 9 | 22 | | | |
| 291.9194 | 31:02 | | | | | | 42 | 105 | | | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:27 | | | | | | 9 | 22 | | | |
| 291.9194 | 31:27 | | | | | | 42 | 105 | | | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:58 | | | | | | 9 | 22 | | | |
| 291.9194 | 32:58 | | | | | | 42 | 105 | | | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:32 | | | | | | 9 | 22 | | | |
| 291.9194 | 33:32 | | | | | | 42 | 105 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:58 | | | | | | 9 | 22 | | | |
| 291.9194 | 33:58 | | | | | | 42 | 105 | | | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:32 | | | | | | 9 | 22 | | | |
| 291.9194 | 34:32 | | | | | | 42 | 105 | | | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:53 | 25:57 | 0 | 0.814 | 1544614 | 362588 | 34 | 85 | 10664 | | |
| 339.9178 | 25:52 | 25:57 | -1 | 0.814 | 932633 | 213063 | 8 | 20 | 26633 | 1.66(1.32-1.78) | |
| PCB-95L | | | | | | | | | | | |
| 337.9207 | 28:51 | | | | | | 34 | 85 | | | |
| 339.9178 | 28:51 | | | | | | 8 | 20 | | | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:48 | 31:48 | 0 | | 1791650 | 374485 | 34 | 85 | 11014 | | |
| 339.9178 | 31:48 | 31:48 | 0 | | 1102387 | 237418 | 8 | 20 | 29677 | 1.63(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:29 | 34:33 | 0 | 1.085 | 1844010 | 387359 | 34 | 85 | 11393 | | |
| 339.9178 | 34:29 | 34:33 | 0 | 1.085 | 1144950 | 242303 | 8 | 20 | 30288 | 1.61(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:26 | 36:31 | 0 | 1.146 | 2522444 | 516151 | 1973 | 4932 | 262 | | |
| 339.9178 | 36:26 | 36:31 | 0 | 1.146 | 1571568 | 324515 | 1642 | 4105 | 198 | 1.61(1.32-1.78) | |
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:46 | 36:51 | 0 | 1.157 | 2725613 | 542425 | 1973 | 4932 | 275 | | |
| 339.9178 | 36:46 | 36:51 | 0 | 1.157 | 1665610 | 333279 | 1642 | 4105 | 203 | 1.64(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:17 | 37:22 | 0 | 1.173 | 2524635 | 517338 | 1973 | 4932 | 262 | | |
| 339.9178 | 37:17 | 37:22 | 0 | 1.173 | 1594234 | 330806 | 1642 | 4105 | 201 | 1.58(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:57 | 38:02 | 0 | 1.194 | 2601042 | 532506 | 1973 | 4932 | 270 | | |
| 339.9178 | 37:56 | 38:02 | -1 | 1.193 | 1599632 | 314007 | 1642 | 4105 | 191 | 1.63(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:25 | 39:26 | 0 | | 3367529 | 675288 | 1973 | 4932 | 342 | | |
| 339.9178 | 39:25 | 39:26 | 0 | | 2134900 | 429002 | 1642 | 4105 | 261 | 1.58(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:02 | 41:07 | 0 | 1.291 | 2572778 | 507827 | 1973 | 4932 | 257 | | |
| 339.9178 | 41:02 | 41:07 | 0 | 1.291 | 1655100 | 325957 | 1642 | 4105 | 199 | 1.55(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:57 | | | | | | 36 | 90 | | | |
| 327.8775 | 25:57 | | | | | | 19 | 47 | | | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:20 | | | | | | 36 | 90 | | | |
| 327.8775 | 26:20 | | | | | | 19 | 47 | | | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:16 | | | | | | 36 | 90 | | | |
| 327.8775 | 28:16 | | | | | | 19 | 47 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:30 | | | | | | 36 | 90 | | | |
| 327.8775 | 28:30 | | | | | | 19 | 47 | | | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:52 | 28:56 | -1 | 1.115 | 6724 | 1218 | 36 | 90 | 34 | | |
| 327.8775 | 28:51 | 28:56 | -2 | 1.115 | 4288 | 852 | 19 | 47 | 45 | 1.57(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:09 | | | | | | 36 | 90 | | | |
| 327.8775 | 29:09 | | | | | | 19 | 47 | | | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:09 | | | | | | 36 | 90 | | | |
| 327.8775 | 29:09 | | | | | | 19 | 47 | | | |
| PCB-98 | | | | | | | | | | | |
| 325.8804 | 29:18 | | | | | | 36 | 90 | | | |
| 327.8775 | 29:18 | | | | | | 19 | 47 | | | |
| PCB-102 (C98) | | | | | | | | | | | |
| 325.8804 | 29:18 | | | | | | 36 | 90 | | | |
| 327.8775 | 29:18 | | | | | | 19 | 47 | | | |
| PCB-88 | | | | | | | | | | | RQ |
| 325.8804 | 29:45 | 29:48 | 0 | 1.149 | 2050 | 348 | 36 | 90 | 10 | | |
| | Empc Correction | | | | 1497 | 384 | 36 | 90 | 11 | | |
| 327.8775 | 29:45 | 29:48 | 0 | 1.149 | 966 | 248 | 19 | 47 | 13 | 2.12(1.32-1.78) | |
| PCB-91 (C88) | | | | | | | | | | | RQ |
| 325.8804 | 29:45 | 29:48 | 0 | 1.149 | 2050 | 348 | 36 | 90 | 10 | | |
| | Empc Correction | | | | 1497 | 384 | 36 | 90 | 11 | | |
| 327.8775 | 29:45 | 29:48 | 0 | 1.149 | 966 | 248 | 19 | 47 | 13 | 2.12(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | RQ |
| 325.8804 | 29:57 | 30:01 | -1 | 1.157 | 1780 | 354 | 36 | 90 | 10 | | |
| 327.8775 | 29:58 | 30:01 | 1 | 1.158 | 1539 | 273 | 19 | 47 | 14 | 1.16(1.32-1.78) | |
| | Empc Correction | | | | 1148 | 228 | 19 | 47 | 12 | | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:30 | | | | | | 36 | 90 | | | |
| 327.8775 | 30:30 | | | | | | 19 | 47 | | | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:55 | | | | | | 36 | 90 | | | |
| 327.8775 | 30:55 | | | | | | 19 | 47 | | | |
| PCB-92 | | | | | | | | | | | Ma |
| 325.8804 | 31:15 | 31:19 | 1 | 0.858 | 1639 | 296 | 36 | 90 | 8 | | M |
| 327.8775 | 31:13 | 31:19 | -1 | 0.857 | 924 | 225 | 19 | 47 | 12 | 1.77(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | RQ |
| 325.8804 | 31:49 | 31:52 | 1 | 1.229 | 9899 | 1938 | 36 | 90 | 54 | | |
| | Empc Correction | | | | 8439 | 2035 | 36 | 90 | 57 | | |
| 327.8775 | 31:49 | 31:52 | 1 | 1.229 | 5445 | 1313 | 19 | 47 | 69 | 1.82(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | RQ |
| 325.8804 | 31:49 | 31:52 | 1 | 1.229 | 9899 | 1938 | 36 | 90 | 54 | | |
| | Empc Correction | | | | 8439 | 2035 | 36 | 90 | 57 | | |
| 327.8775 | 31:49 | 31:52 | 1 | 1.229 | 5445 | 1313 | 19 | 47 | 69 | 1.82(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-113 (C90) | | | | | | | | | | | RQ |
| 325.8804 | 31:49 | 31:52 | 1 | 1.229 | 9899 | 1938 | 36 | 90 | 54 | | |
| | Empc Correction | | | | 8439 | 2035 | 36 | 90 | 57 | | |
| 327.8775 | 31:49 | 31:52 | 1 | 1.229 | 5445 | 1313 | 19 | 47 | 69 | 1.82(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | RQMa |
| 325.8804 | 32:23 | 32:28 | -2 | 1.251 | 4125 | 809 | 36 | 90 | 22 | | M |
| 327.8775 | 32:23 | 32:28 | -1 | 1.251 | 3645 | 779 | 19 | 47 | 41 | 1.13(1.32-1.78) | |
| | Empc Correction | | | | 2661 | 521 | 19 | 47 | 27 | | |
| PCB-99 (C83) | | | | | | | | | | | RQMa |
| 325.8804 | 32:23 | 32:28 | -2 | 1.251 | 4125 | 809 | 36 | 90 | 22 | | M |
| 327.8775 | 32:23 | 32:28 | -1 | 1.251 | 3645 | 779 | 19 | 47 | 41 | 1.13(1.32-1.78) | |
| | Empc Correction | | | | 2661 | 521 | 19 | 47 | 27 | | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:34 | | | | | | 36 | 90 | | | |
| 327.8775 | 32:34 | | | | | | 19 | 47 | | | |
| PCB-86 | | | | | | | | | | | RQMa |
| 325.8804 | 32:54 | 32:57 | 1 | 1.271 | 7117 | 880 | 36 | 90 | 24 | | M |
| | Empc Correction | | | | 5451 | 581 | 36 | 90 | 16 | | |
| 327.8775 | 32:59 | 32:57 | 5 | 1.274 | 3517 | 375 | 19 | 47 | 20 | 2.02(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | RQMa |
| 325.8804 | 32:54 | 32:57 | 1 | 1.271 | 7117 | 880 | 36 | 90 | 24 | | M |
| | Empc Correction | | | | 5451 | 581 | 36 | 90 | 16 | | |
| 327.8775 | 32:59 | 32:57 | 5 | 1.274 | 3517 | 375 | 19 | 47 | 20 | 2.02(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | RQMa |
| 325.8804 | 32:54 | 32:57 | 1 | 1.271 | 7117 | 880 | 36 | 90 | 24 | | M |
| | Empc Correction | | | | 5451 | 581 | 36 | 90 | 16 | | |
| 327.8775 | 32:59 | 32:57 | 5 | 1.274 | 3517 | 375 | 19 | 47 | 20 | 2.02(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | RQMa |
| 325.8804 | 32:54 | 32:57 | 1 | 1.271 | 7117 | 880 | 36 | 90 | 24 | | M |
| | Empc Correction | | | | 5451 | 581 | 36 | 90 | 16 | | |
| 327.8775 | 32:59 | 32:57 | 5 | 1.274 | 3517 | 375 | 19 | 47 | 20 | 2.02(1.32-1.78) | |
| PCB-119 (C86) | | | | | | | | | | | RQMa |
| 325.8804 | 32:54 | 32:57 | 1 | 1.271 | 7117 | 880 | 36 | 90 | 24 | | M |
| | Empc Correction | | | | 5451 | 581 | 36 | 90 | 16 | | |
| 327.8775 | 32:59 | 32:57 | 5 | 1.274 | 3517 | 375 | 19 | 47 | 20 | 2.02(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | RQMa |
| 325.8804 | 32:54 | 32:57 | 1 | 1.271 | 7117 | 880 | 36 | 90 | 24 | | M |
| | Empc Correction | | | | 5451 | 581 | 36 | 90 | 16 | | |
| 327.8775 | 32:59 | 32:57 | 5 | 1.274 | 3517 | 375 | 19 | 47 | 20 | 2.02(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:41 | | | | | | 36 | 90 | | | |
| 327.8775 | 33:41 | | | | | | 19 | 47 | | | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | | | | | | 36 | 90 | | | |
| 327.8775 | 33:41 | | | | | | 19 | 47 | | | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:41 | | | | | | 36 | 90 | | | |
| 327.8775 | 33:41 | | | | | | 19 | 47 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | | | | | | | | | | | a |
| 325.8804 | 33:47 | 33:55 | -6 | 1.305 | 11793 | 2436 | 36 | 90 | 68 | | a |
| 327.8775 | 33:47 | 33:55 | -5 | 1.305 | 7031 | 1547 | 19 | 47 | 81 | 1.68(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | a |
| 325.8804 | 33:47 | 33:55 | -6 | 1.305 | 11793 | 2436 | 36 | 90 | 68 | | a |
| 327.8775 | 33:47 | 33:55 | -5 | 1.305 | 7031 | 1547 | 19 | 47 | 81 | 1.68(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:06 | 34:10 | -1 | 1.317 | 946 | 209 | 36 | 90 | 6 | | |
| 327.8775 | 34:05 | 34:10 | -2 | 1.317 | 601 | 145 | 19 | 47 | 8 | 1.57(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:34 | | | | | | 36 | 90 | | | |
| 327.8775 | 34:34 | | | | | | 19 | 47 | | | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 35:01 | | | | | | 36 | 90 | | | |
| 327.8775 | 35:01 | | | | | | 19 | 47 | | | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:10 | | | | | | 42 | 105 | | | |
| 327.8775 | 36:10 | | | | | | 33 | 82 | | | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:10 | | | | | | 42 | 105 | | | |
| 327.8775 | 36:10 | | | | | | 33 | 82 | | | |
| PCB-107 | | | | | | | | | | | RQMa |
| 325.8804 | 36:24 | 36:25 | 3 | 1.406 | 868 | 168 | 42 | 105 | 4 | | M |
| 327.8775 | 36:20 | 36:25 | -1 | 1.404 | 860 | 259 | 33 | 82 | 8 | 1.01(1.32-1.78) | |
| | Empc Correction | | | | 560 | 108 | 33 | 82 | 3 | | |
| PCB-123 | | | | | | | | | | | U |
| 325.8804 | 36:34 | | | | | | 42 | 105 | | | |
| 327.8775 | 36:34 | | | | | | 33 | 82 | | | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:41 | | | | | | 42 | 105 | | | |
| 327.8775 | 36:41 | | | | | | 33 | 82 | | | |
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:47 | 36:53 | -1 | 1.000 | 13678 | 2535 | 42 | 105 | 60 | | |
| 327.8775 | 36:47 | 36:53 | -1 | 1.000 | 9556 | 2068 | 33 | 82 | 63 | 1.43(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | RQ |
| 325.8804 | 37:08 | 37:14 | 0 | 1.010 | 687 | 186 | 42 | 105 | 4 | | |
| 327.8775 | 37:07 | 37:14 | -1 | 1.010 | 809 | 168 | 33 | 82 | 5 | 0.85(1.32-1.78) | |
| | Empc Correction | | | | 443 | 120 | 33 | 82 | 4 | | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:25 | | | | | | 42 | 105 | | | |
| 327.8775 | 37:25 | | | | | | 33 | 82 | | | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:58 | 38:04 | 0 | 1.001 | 4288 | 719 | 42 | 105 | 17 | | |
| 327.8775 | 37:59 | 38:04 | 1 | 1.001 | 2989 | 654 | 33 | 82 | 20 | 1.43(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:33 | | | | | | 42 | 105 | | | |
| 327.8775 | 39:33 | | | | | | 33 | 82 | | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:09 | | | | | | 42 | 105 | | | |
| 327.8775 | 41:09 | | | | | | 33 | 82 | | | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:34 | 31:39 | -1 | 0.791 | 1353932 | 292457 | 16 | 40 | 18279 | | |
| 373.8788 | 31:34 | 31:39 | -1 | 0.791 | 1045466 | 218767 | 12 | 30 | 18231 | 1.30(1.05-1.43) | |
| PCB-153L | | | | | | | | | | | |
| 371.8817 | 38:39 | 38:39 | 0 | 0.901 | 26916 | 5836 | 585 | 1462 | 10 | | |
| 373.8788 | 38:39 | 38:39 | 0 | 0.901 | 22456 | 4304 | 663 | 1657 | 6 | 1.20(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:54 | 39:54 | 0 | | 2066347 | 418182 | 585 | 1462 | 715 | | |
| 373.8788 | 39:54 | 39:54 | 0 | | 1562512 | 316113 | 663 | 1657 | 477 | 1.32(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:54 | 43:00 | 0 | 1.075 | 2094017 | 427797 | 585 | 1462 | 731 | | |
| 373.8788 | 42:54 | 43:00 | 0 | 1.075 | 1617198 | 322071 | 663 | 1657 | 486 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:03 | 44:10 | 0 | 1.104 | 4098896 | 566370 | 585 | 1462 | 968 | | |
| 373.8788 | 44:02 | 44:10 | -1 | 1.104 | 3205298 | 452834 | 663 | 1657 | 683 | 1.28(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:03 | 44:10 | 0 | 1.104 | 4098896 | 566370 | 585 | 1462 | 968 | | |
| 373.8788 | 44:02 | 44:10 | -1 | 1.104 | 3205298 | 452834 | 663 | 1657 | 683 | 1.28(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:17 | 47:24 | 0 | 1.185 | 2008781 | 391907 | 585 | 1462 | 670 | | |
| 373.8788 | 47:17 | 47:24 | 0 | 1.185 | 1594590 | 303567 | 663 | 1657 | 458 | 1.26(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:40 | | | | | | 13 | 32 | | | |
| 361.8385 | 31:40 | | | | | | 16 | 40 | | | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:52 | | | | | | 13 | 32 | | | |
| 361.8385 | 31:52 | | | | | | 16 | 40 | | | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 32:02 | | | | | | 13 | 32 | | | |
| 361.8385 | 32:02 | | | | | | 16 | 40 | | | |
| PCB-136 | | | | | | | | | | | RQMa |
| 359.8415 | 32:20 | 32:23 | 1 | 1.024 | 963 | 278 | 13 | 32 | 21 | | M |
| 361.8385 | 32:17 | 32:23 | -2 | 1.023 | 979 | 237 | 16 | 40 | 15 | 0.98(1.05-1.43) | |
| | Empc Correction | | | | 776 | 224 | 16 | 40 | 14 | | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:42 | | | | | | 13 | 32 | | | |
| 361.8385 | 32:42 | | | | | | 16 | 40 | | | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:13 | | | | | | 13 | 32 | | | |
| 361.8385 | 34:13 | | | | | | 16 | 40 | | | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:47 | 34:51 | 1 | 1.102 | 2301 | 366 | 13 | 32 | 28 | | M |
| 361.8385 | 34:41 | 34:51 | -5 | 1.099 | 1830 | 326 | 16 | 40 | 20 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:47 | 34:51 | 1 | 1.102 | 2301 | 366 | 13 | 32 | 28 | | M |
| 361.8385 | 34:41 | 34:51 | -5 | 1.099 | 1830 | 326 | 16 | 40 | 20 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:04 | | | | | | 13 | 32 | | | |
| 361.8385 | 35:04 | | | | | | 16 | 40 | | | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:22 | | | | | | 13 | 32 | | | |
| 361.8385 | 35:22 | | | | | | 16 | 40 | | | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:44 | -1 | 1.129 | 8114 | 1759 | 31 | 77 | 57 | | |
| 361.8385 | 35:38 | 35:44 | -2 | 1.129 | 7203 | 1416 | 19 | 47 | 75 | 1.13(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:39 | 35:44 | -1 | 1.129 | 8114 | 1759 | 31 | 77 | 57 | | |
| 361.8385 | 35:38 | 35:44 | -2 | 1.129 | 7203 | 1416 | 19 | 47 | 75 | 1.13(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 36:01 | | | | | | 31 | 77 | | | |
| 361.8385 | 36:01 | | | | | | 19 | 47 | | | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 36:01 | | | | | | 31 | 77 | | | |
| 361.8385 | 36:01 | | | | | | 19 | 47 | | | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:20 | | | | | | 31 | 77 | | | |
| 361.8385 | 36:20 | | | | | | 19 | 47 | | | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:20 | | | | | | 31 | 77 | | | |
| 361.8385 | 36:20 | | | | | | 19 | 47 | | | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:32 | | | | | | 31 | 77 | | | |
| 361.8385 | 36:32 | | | | | | 19 | 47 | | | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:41 | | | | | | 31 | 77 | | | |
| 361.8385 | 36:41 | | | | | | 19 | 47 | | | |
| PCB-132 | | | | | | | | | | | Ma |
| 359.8415 | 36:55 | 37:00 | 0 | 1.169 | 2600 | 429 | 31 | 77 | 14 | | M |
| 361.8385 | 36:53 | 37:00 | -2 | 1.169 | 2465 | 497 | 19 | 47 | 26 | 1.05(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:30 | | | | | | 31 | 77 | | | |
| 361.8385 | 37:30 | | | | | | 19 | 47 | | | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:55 | | | | | | 31 | 77 | | | |
| 361.8385 | 37:55 | | | | | | 19 | 47 | | | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:03 | 38:10 | -1 | 0.887 | 2395 | 564 | 31 | 77 | 18 | | |
| 361.8385 | 38:03 | 38:10 | -1 | 0.887 | 1809 | 294 | 19 | 47 | 15 | 1.32(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:18 | | | | | | 31 | 77 | | | |
| 361.8385 | 38:18 | | | | | | 19 | 47 | | | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:40 | 38:49 | -3 | 0.901 | 9117 | 1653 | 31 | 77 | 53 | | |
| 361.8385 | 38:41 | 38:49 | -3 | 0.902 | 8228 | 1535 | 19 | 47 | 81 | 1.11(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:40 | 38:49 | -3 | 0.901 | 9117 | 1653 | 31 | 77 | 53 | | |
| 361.8385 | 38:41 | 38:49 | -3 | 0.902 | 8228 | 1535 | 19 | 47 | 81 | 1.11(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | RQ |
| 359.8415 | 38:52 | 38:58 | 1 | 0.906 | 1888 | 348 | 31 | 77 | 11 | | |
| | Empc Correction | | | | 1582 | 357 | 31 | 77 | 12 | | |
| 361.8385 | 38:52 | 38:58 | 0 | 0.906 | 1276 | 288 | 19 | 47 | 15 | 1.48(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | Ma |
| 359.8415 | 39:17 | 39:23 | 1 | 0.916 | 753 | 260 | 31 | 77 | 8 | | M |
| 361.8385 | 39:17 | 39:23 | 0 | 0.916 | 535 | 248 | 19 | 47 | 13 | 1.41(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:37 | | | | | | 31 | 77 | | | |
| 361.8385 | 39:37 | | | | | | 19 | 47 | | | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:35 | 39:44 | -2 | 0.923 | 1392 | 240 | 31 | 77 | 8 | | |
| 361.8385 | 39:36 | 39:44 | -1 | 0.923 | 1074 | 314 | 19 | 47 | 17 | 1.30(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 0 | 0.931 | 9752 | 1711 | 31 | 77 | 55 | | |
| 361.8385 | 39:56 | 40:03 | 0 | 0.931 | 7776 | 1282 | 19 | 47 | 67 | 1.25(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 0 | 0.931 | 9752 | 1711 | 31 | 77 | 55 | | |
| 361.8385 | 39:56 | 40:03 | 0 | 0.931 | 7776 | 1282 | 19 | 47 | 67 | 1.25(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 0 | 0.931 | 9752 | 1711 | 31 | 77 | 55 | | |
| 361.8385 | 39:56 | 40:03 | 0 | 0.931 | 7776 | 1282 | 19 | 47 | 67 | 1.25(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | |
| 359.8415 | 39:57 | 40:03 | 0 | 0.931 | 9752 | 1711 | 31 | 77 | 55 | | |
| 361.8385 | 39:56 | 40:03 | 0 | 0.931 | 7776 | 1282 | 19 | 47 | 67 | 1.25(1.05-1.43) | |
| PCB-158 | | | | | | | | | | | RQMa |
| 359.8415 | 40:20 | 40:25 | 1 | 0.940 | 1615 | 298 | 31 | 77 | 10 | | M |
| 361.8385 | 40:19 | 40:25 | 0 | 0.940 | 1706 | 364 | 19 | 47 | 19 | 0.95(1.05-1.43) | |
| | Empc Correction | | | | 1302 | 240 | 19 | 47 | 13 | | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:11 | 41:17 | 1 | 0.960 | 2381 | 438 | 31 | 77 | 14 | | |
| 361.8385 | 41:10 | 41:17 | 0 | 0.959 | 1935 | 518 | 19 | 47 | 27 | 1.23(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:11 | 41:17 | 1 | 0.960 | 2381 | 438 | 31 | 77 | 14 | | |
| 361.8385 | 41:10 | 41:17 | 0 | 0.959 | 1935 | 518 | 19 | 47 | 27 | 1.23(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:16 | | | | | | 31 | 77 | | | |
| 361.8385 | 42:16 | | | | | | 19 | 47 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-162 | | | | | | | | | | | RQMa |
| 359.8415 | 42:29 | 42:34 | 2 | 0.990 | 614 | 218 | 31 | 77 | 7 | | M |
| 361.8385 | 42:27 | 42:34 | 0 | 0.990 | 606 | 207 | 19 | 47 | 11 | 1.01(1.05-1.43) | |
| | Empc Correction | | | | 495 | 175 | 19 | 47 | 9 | | |
| PCB-167 | | | | | | | | | | | RQ |
| 359.8415 | 42:56 | 43:03 | 0 | 1.001 | 1002 | 224 | 31 | 77 | 7 | | |
| 361.8385 | 42:56 | 43:03 | 0 | 1.001 | 1008 | 183 | 19 | 47 | 10 | 0.99(1.05-1.43) | |
| | Empc Correction | | | | 808 | 180 | 19 | 47 | 9 | | |
| PCB-156 | | | | | | | | | | | RQMa |
| 359.8415 | 44:03 | 44:11 | -1 | 1.000 | 3020 | 697 | 31 | 77 | 22 | | M |
| | Empc Correction | | | | 2563 | 388 | 31 | 77 | 13 | | |
| 361.8385 | 44:03 | 44:11 | -1 | 1.000 | 2067 | 313 | 19 | 47 | 16 | 1.46(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | RQMa |
| 359.8415 | 44:03 | 44:11 | -1 | 1.000 | 3020 | 697 | 31 | 77 | 22 | | M |
| | Empc Correction | | | | 2563 | 388 | 31 | 77 | 13 | | |
| 361.8385 | 44:03 | 44:11 | -1 | 1.000 | 2067 | 313 | 19 | 47 | 16 | 1.46(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:18 | 47:27 | -1 | 1.000 | 653 | 145 | 31 | 77 | 5 | | |
| 361.8385 | 47:20 | 47:27 | 1 | 1.001 | 613 | 241 | 19 | 47 | 13 | 1.07(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:18 | 37:23 | 0 | 0.821 | 1527031 | 320116 | 140 | 350 | 2287 | | |
| 407.8398 | 37:18 | 37:23 | 0 | 0.821 | 1424408 | 294958 | 12 | 30 | 24580 | 1.07(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:21 | 40:27 | 0 | 0.888 | 1211808 | 250148 | 140 | 350 | 1787 | | |
| 407.8398 | 40:21 | 40:27 | 0 | 0.888 | 1125773 | 236990 | 12 | 30 | 19749 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:27 | 45:27 | 0 | | 1575049 | 321975 | 140 | 350 | 2300 | | |
| 407.8398 | 45:27 | 45:27 | 0 | | 1454243 | 293884 | 12 | 30 | 24490 | 1.08(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:42 | 46:49 | 0 | 1.028 | 960541 | 191794 | 140 | 350 | 1370 | | |
| 407.8398 | 46:42 | 46:49 | 0 | 1.028 | 908724 | 174090 | 12 | 30 | 14508 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:49 | 49:56 | 0 | 1.096 | 2477931 | 499595 | 534 | 1335 | 936 | | |
| 407.8398 | 49:49 | 49:56 | 0 | 1.096 | 2362940 | 457143 | 854 | 2135 | 535 | 1.05(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:25 | | | | | | 8 | 20 | | | |
| 395.7995 | 37:25 | | | | | | 8 | 20 | | | |
| PCB-179 | | | | | | | | | | | RQ |
| 393.8025 | 37:39 | 37:44 | 0 | 1.009 | 1118 | 259 | 8 | 20 | 32 | | |
| | Empc Correction | | | | 918 | 190 | 8 | 20 | 24 | | |
| 395.7995 | 37:41 | 37:44 | 1 | 1.010 | 875 | 181 | 8 | 20 | 23 | 1.28(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:17 | | | | | | 8 | 20 | | | |
| 395.7995 | 38:17 | | | | | | 8 | 20 | | | |
| PCB-176 | | | | | | | | | | | RQ |
| 393.8025 | 38:30 | 38:38 | -3 | 1.032 | 383 | 117 | 8 | 20 | 15 | | |
| 395.7995 | 38:33 | 38:38 | 0 | 1.033 | 447 | 138 | 8 | 20 | 17 | 0.86(0.89-1.21) | |
| | Empc Correction | | | | 364 | 111 | 8 | 20 | 14 | | |

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:05 | | | | | | 8 | 20 | | | |
| 395.7995 | 39:05 | | | | | | 8 | 20 | | | |
| PCB-178 | | | | | | | | | | | RQ |
| 393.8025 | 40:21 | 40:28 | -2 | 1.082 | 442 | 156 | 8 | 20 | 20 | | |
| | Empc Correction | | | | 301 | 140 | 8 | 20 | 18 | | |
| 395.7995 | 40:20 | 40:28 | -3 | 1.081 | 287 | 134 | 8 | 20 | 17 | 1.54(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:07 | | | | | | 8 | 20 | | | |
| 395.7995 | 41:07 | | | | | | 8 | 20 | | | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:17 | 41:22 | 0 | 1.107 | 2186 | 568 | 8 | 20 | 71 | | |
| 395.7995 | 41:15 | 41:22 | -2 | 1.106 | 2070 | 414 | 8 | 20 | 52 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:35 | | | | | | 8 | 20 | | | |
| 395.7995 | 41:35 | | | | | | 8 | 20 | | | |
| PCB-183 | | | | | | | | | | | |
| 393.8025 | 41:53 | 41:59 | -1 | 1.123 | 1897 | 298 | 8 | 20 | 37 | | |
| 395.7995 | 41:54 | 41:59 | 0 | 1.123 | 2114 | 334 | 8 | 20 | 42 | 0.90(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | |
| 393.8025 | 41:53 | 41:59 | -1 | 1.123 | 1897 | 298 | 8 | 20 | 37 | | |
| 395.7995 | 41:54 | 41:59 | 0 | 1.123 | 2114 | 334 | 8 | 20 | 42 | 0.90(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | RQMa |
| 393.8025 | 42:09 | 42:14 | 0 | 1.130 | 1920 | 342 | 8 | 20 | 43 | | M |
| | Empc Correction | | | | 1139 | 227 | 8 | 20 | 28 | | |
| 395.7995 | 42:05 | 42:14 | -3 | 1.128 | 1085 | 217 | 8 | 20 | 27 | 1.77(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | RQ |
| 393.8025 | 42:36 | 42:40 | 1 | 1.142 | 1272 | 277 | 8 | 20 | 35 | | |
| | Empc Correction | | | | 967 | 295 | 8 | 20 | 37 | | |
| 395.7995 | 42:34 | 42:40 | 0 | 1.141 | 921 | 281 | 8 | 20 | 35 | 1.38(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 43:04 | | | | | | 8 | 20 | | | |
| 395.7995 | 43:04 | | | | | | 8 | 20 | | | |
| PCB-171 | | | | | | | | | | | RQMa |
| 393.8025 | 43:11 | 43:17 | 0 | 1.158 | 1320 | 240 | 8 | 20 | 30 | | M |
| | Empc Correction | | | | 1081 | 250 | 8 | 20 | 31 | | |
| 395.7995 | 43:09 | 43:17 | -3 | 1.157 | 1030 | 239 | 8 | 20 | 30 | 1.28(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | RQMa |
| 393.8025 | 43:11 | 43:17 | 0 | 1.158 | 1320 | 240 | 8 | 20 | 30 | | M |
| | Empc Correction | | | | 1081 | 250 | 8 | 20 | 31 | | |
| 395.7995 | 43:09 | 43:17 | -3 | 1.157 | 1030 | 239 | 8 | 20 | 30 | 1.28(0.89-1.21) | |
| PCB-172 | | | | | | | | | | | RQ |
| 393.8025 | 44:48 | 44:56 | -2 | 0.899 | 234 | 94 | 8 | 20 | 12 | | |
| | Empc Correction | | | | 187 | 91 | 8 | 20 | 11 | | |
| 395.7995 | 44:47 | 44:56 | -3 | 0.899 | 179 | 87 | 8 | 20 | 11 | 1.31(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | RQU |
| 393.8025 | 45:13 | | | | | | 8 | 20 | | | |
| 395.7995 | 45:13 | | | | | | 8 | 20 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-180 | | | | | | | | | | | RQMa |
| 393.8025 | 45:29 | 45:33 | 3 | 0.913 | 3385 | 629 | 8 | 20 | 79 | | M |
| 395.7995 | 45:29 | 45:33 | 4 | 0.913 | 3845 | 583 | 8 | 20 | 73 | 0.88(0.89-1.21) | |
| | Empc Correction | | | | 3223 | 599 | 8 | 20 | 75 | | |
| PCB-193 (C180) | | | | | | | | | | | RQMa |
| 393.8025 | 45:29 | 45:33 | 3 | 0.913 | 3385 | 629 | 8 | 20 | 79 | | M |
| 395.7995 | 45:29 | 45:33 | 4 | 0.913 | 3845 | 583 | 8 | 20 | 73 | 0.88(0.89-1.21) | |
| | Empc Correction | | | | 3223 | 599 | 8 | 20 | 75 | | |
| PCB-191 | | | | | | | | | | | RQU |
| 393.8025 | 45:57 | | | | | | 8 | 20 | | | |
| 395.7995 | 45:57 | | | | | | 8 | 20 | | | |
| PCB-170 | | | | | | | | | | | Ma |
| 393.8025 | 46:42 | 46:51 | -3 | 0.937 | 1296 | 216 | 8 | 20 | 27 | | M |
| 395.7995 | 46:46 | 46:51 | 1 | 0.939 | 1215 | 262 | 8 | 20 | 33 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:15 | 47:23 | 0 | 0.948 | 786 | 221 | 8 | 20 | 28 | | |
| 395.7995 | 47:15 | 47:23 | -1 | 0.948 | 699 | 215 | 8 | 20 | 27 | 1.12(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | RQ |
| 393.8025 | 49:50 | 49:59 | -1 | 1.000 | 1324 | 313 | 34 | 85 | 9 | | |
| | Empc Correction | | | | 682 | 190 | 34 | 85 | 6 | | |
| 395.7995 | 49:50 | 49:59 | -1 | 1.000 | 650 | 181 | 7 | 17 | 26 | 2.04(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:41 | 42:47 | 0 | 0.822 | 1192281 | 238063 | 23 | 57 | 10351 | | |
| 441.8008 | 42:41 | 42:47 | 0 | 0.822 | 1314232 | 256572 | 10 | 25 | 25657 | 0.91(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:56 | 51:57 | 0 | | 1795564 | 345290 | 157 | 392 | 2199 | | |
| 441.8008 | 51:56 | 51:57 | 0 | | 1970285 | 368125 | 145 | 362 | 2539 | 0.91(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:24 | 52:32 | 0 | 1.009 | 1708133 | 327298 | 157 | 392 | 2085 | | |
| 441.8008 | 52:24 | 52:32 | 0 | 1.009 | 1908470 | 359157 | 145 | 362 | 2477 | 0.90(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:41 | 42:48 | -2 | 1.000 | 432 | 113 | 8 | 20 | 14 | | |
| 429.7606 | 42:45 | 42:48 | 2 | 1.002 | 563 | 144 | 14 | 35 | 10 | 0.77(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | RQ |
| 427.7635 | 43:37 | 43:43 | 0 | 1.022 | 412 | 138 | 8 | 20 | 17 | | |
| 429.7606 | 43:36 | 43:43 | -2 | 1.021 | 908 | 177 | 14 | 35 | 13 | 0.45(0.76-1.02) | |
| | Empc Correction | | | | 462 | 155 | 14 | 35 | 11 | | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:24 | | | | | | 8 | 20 | | | |
| 429.7606 | 44:24 | | | | | | 14 | 35 | | | |
| PCB-197 | | | | | | | | | | | RQ |
| 427.7635 | 44:34 | 44:37 | 2 | 1.044 | 485 | 96 | 8 | 20 | 12 | | |
| 429.7606 | 44:35 | 44:37 | 4 | 1.045 | 687 | 126 | 14 | 35 | 9 | 0.71(0.76-1.02) | |
| | Empc Correction | | | | 544 | 107 | 14 | 35 | 8 | | |
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:44 | | | | | | 8 | 20 | | | |
| 429.7606 | 44:44 | | | | | | 14 | 35 | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-198 | | | | | | | | | | | RQ |
| 427.7635 | 47:26 | 47:32 | 0 | 1.112 | 1373 | 351 | 8 | 20 | 44 | | |
| | Empc Correction | | | | 696 | 136 | 8 | 20 | 17 | | |
| 429.7606 | 47:26 | 47:32 | 0 | 1.111 | 783 | 153 | 14 | 35 | 11 | 1.75(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | RQ |
| 427.7635 | 47:26 | 47:32 | 0 | 1.112 | 1373 | 351 | 8 | 20 | 44 | | |
| | Empc Correction | | | | 696 | 136 | 8 | 20 | 17 | | |
| 429.7606 | 47:26 | 47:32 | 0 | 1.111 | 783 | 153 | 14 | 35 | 11 | 1.75(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:05 | 48:12 | -1 | 0.917 | 424 | 108 | 8 | 20 | 14 | | |
| 429.7606 | 48:07 | 48:12 | 1 | 0.918 | 479 | 161 | 14 | 35 | 12 | 0.89(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | U |
| 427.7635 | 48:24 | | | | | | 8 | 20 | | | |
| 429.7606 | 48:24 | | | | | | 14 | 35 | | | |
| PCB-195 | | | | | | | | | | | RQ |
| 427.7635 | 49:37 | 49:43 | 0 | 0.947 | 508 | 180 | 12 | 30 | 15 | | |
| 429.7606 | 49:38 | 49:43 | 1 | 0.947 | 758 | 214 | 10 | 25 | 21 | 0.67(0.76-1.02) | |
| | Empc Correction | | | | 570 | 202 | 10 | 25 | 20 | | |
| PCB-194 | | | | | | | | | | | Ma |
| 427.7635 | 51:58 | 52:05 | 0 | 0.992 | 1039 | 270 | 12 | 30 | 23 | | M |
| 429.7606 | 51:55 | 52:05 | -3 | 0.991 | 1088 | 255 | 10 | 25 | 26 | 0.95(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | RQU |
| 427.7635 | 52:33 | | | | | | 12 | 30 | | | |
| 429.7606 | 52:33 | | | | | | 10 | 25 | | | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:22 | 49:29 | 0 | 0.950 | 1403995 | 277062 | 249 | 622 | 1113 | | |
| 475.7619 | 49:22 | 49:29 | 0 | 0.950 | 1765308 | 350938 | 578 | 1445 | 607 | 0.80(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:10 | 54:18 | 0 | 1.043 | 1052361 | 199874 | 249 | 622 | 803 | | |
| 475.7619 | 54:11 | 54:18 | 0 | 1.043 | 1284007 | 244640 | 578 | 1445 | 423 | 0.82(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:29 | | | | | | 4 | 10 | | | |
| 463.7216 | 49:29 | | | | | | 137 | 342 | | | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:26 | | | | | | 4 | 10 | | | |
| 463.7216 | 50:26 | | | | | | 137 | 342 | | | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:19 | | | | | | 4 | 10 | | | |
| 463.7216 | 54:19 | | | | | | 137 | 342 | | | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:48 | 55:58 | -1 | 1.075 | 999126 | 179587 | 54 | 135 | 3326 | | |
| 509.7229 | 55:49 | 55:58 | 0 | 1.075 | 1403032 | 256299 | 9 | 22 | 28478 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:58 | | | | | | 7 | 17 | | | |
| 497.6826 | 55:58 | | | | | | 10 | 25 | | | |
| PCB-8L (PRC) | | | | | | | | | | | |
| | 0.0 | | | | | | | | | | |
| PCB-47L (PRC) | | | | | | | | | | | |
| | 0.0 | | | | | | | | | | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|

PCB-28L (PRC)
0.0

## QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Q - EMPC-Estimated Max. Possible Conc.
Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

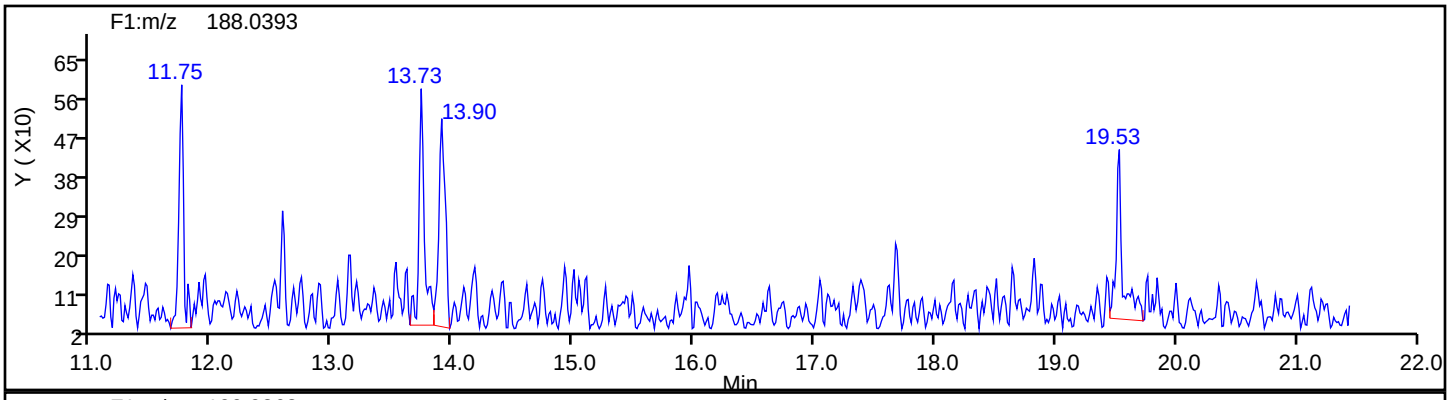
Report Date: 09-Oct-2019 23:16:04 Chrom Revision: 2.3 17-Sep-2019 16:19:08

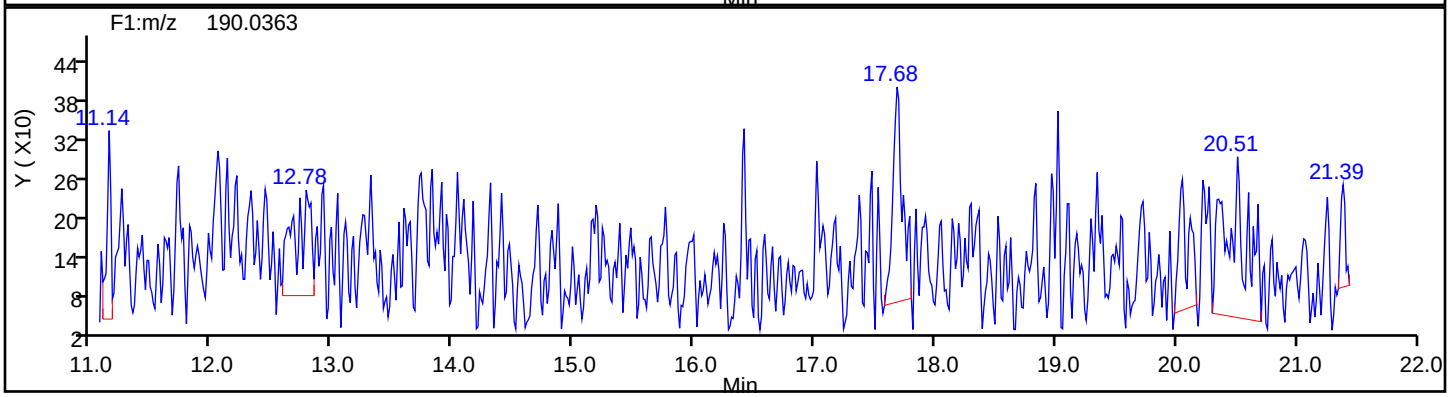
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d

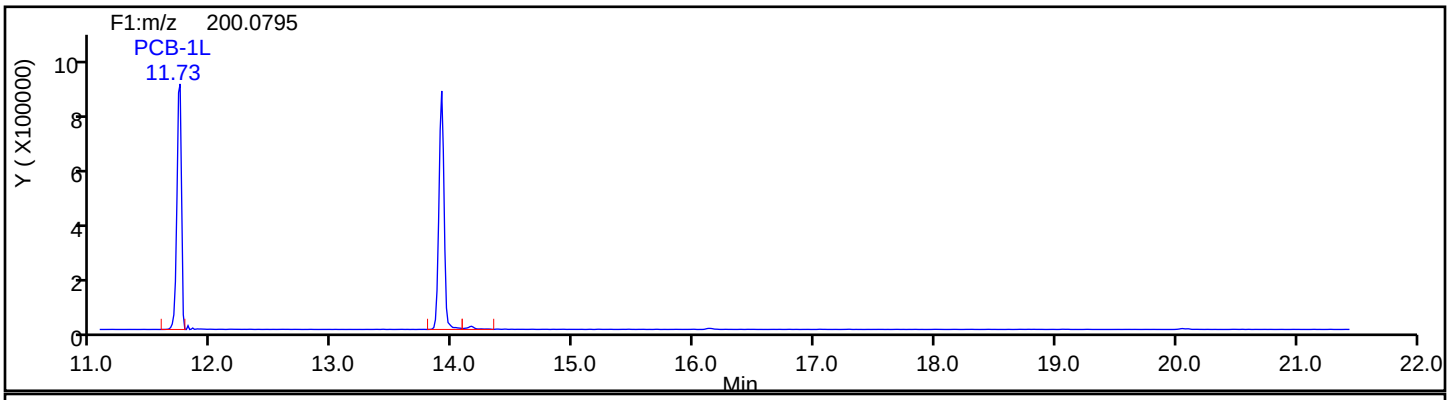
| | | | |
|---|---|---|---|
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

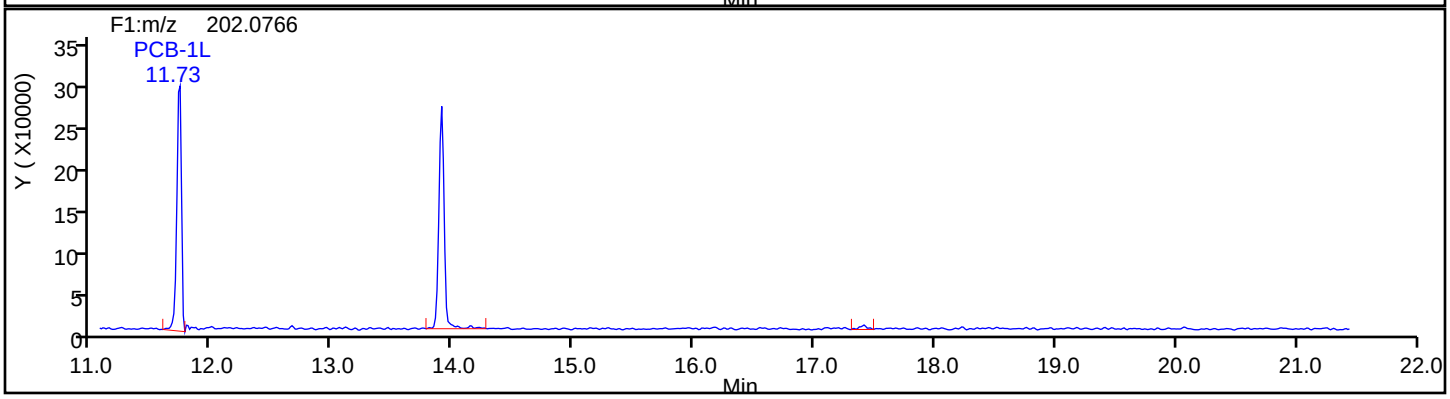
MoPCB F1




MoPCB F1 Standards



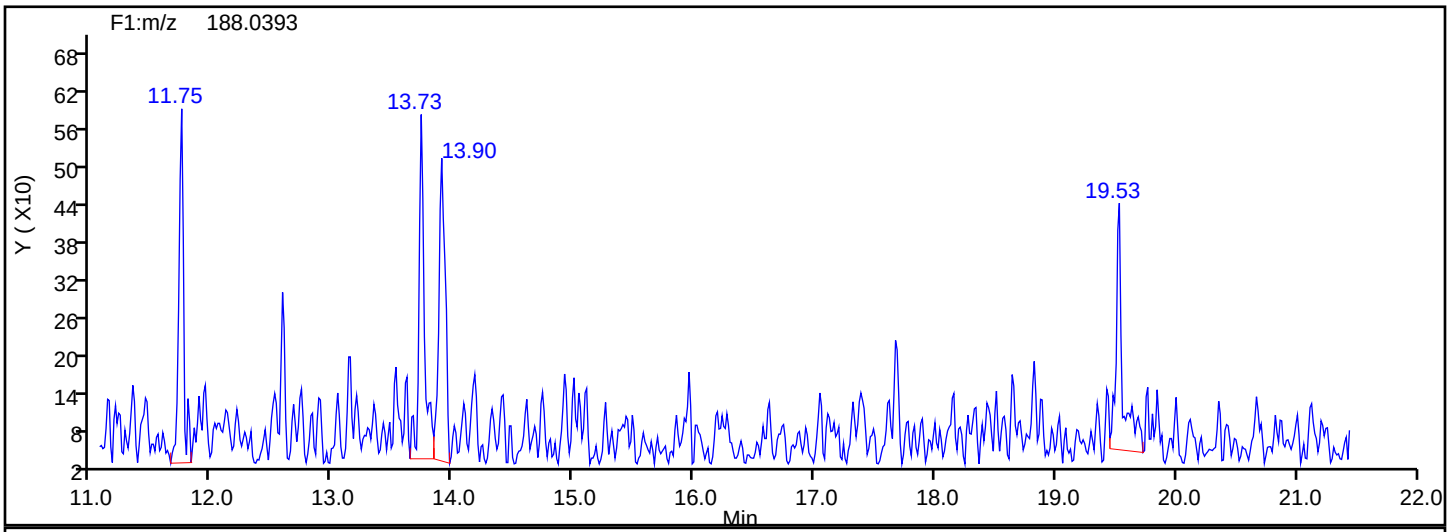



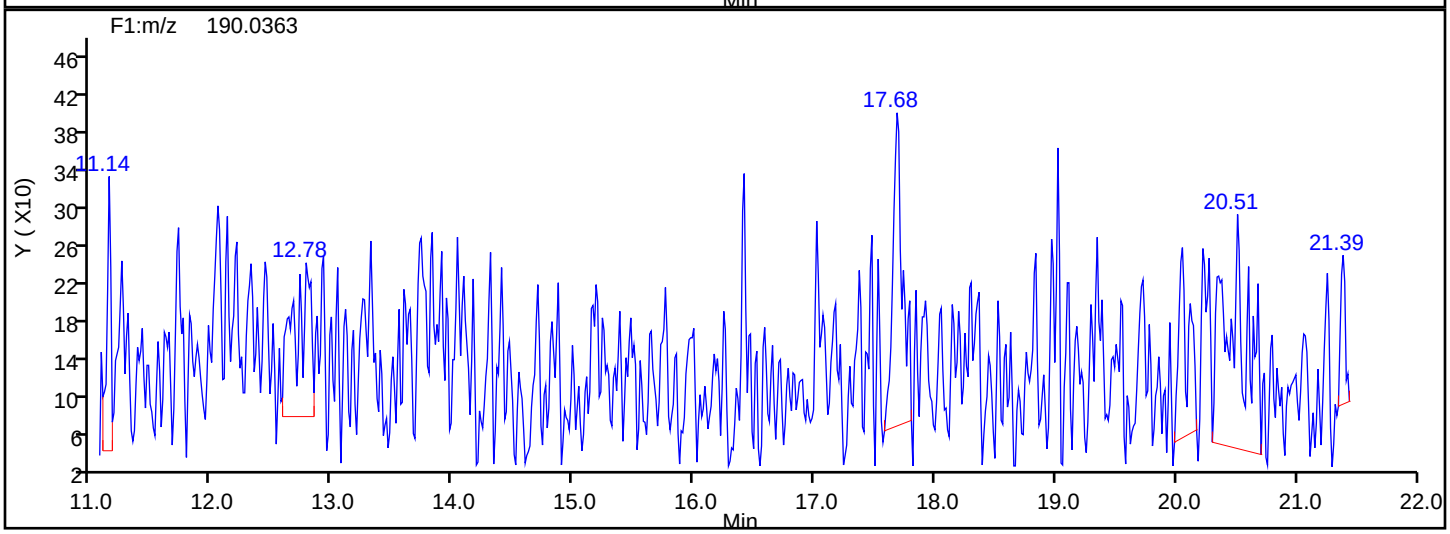
Report Date: 09-Oct-2019 23:16:04 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

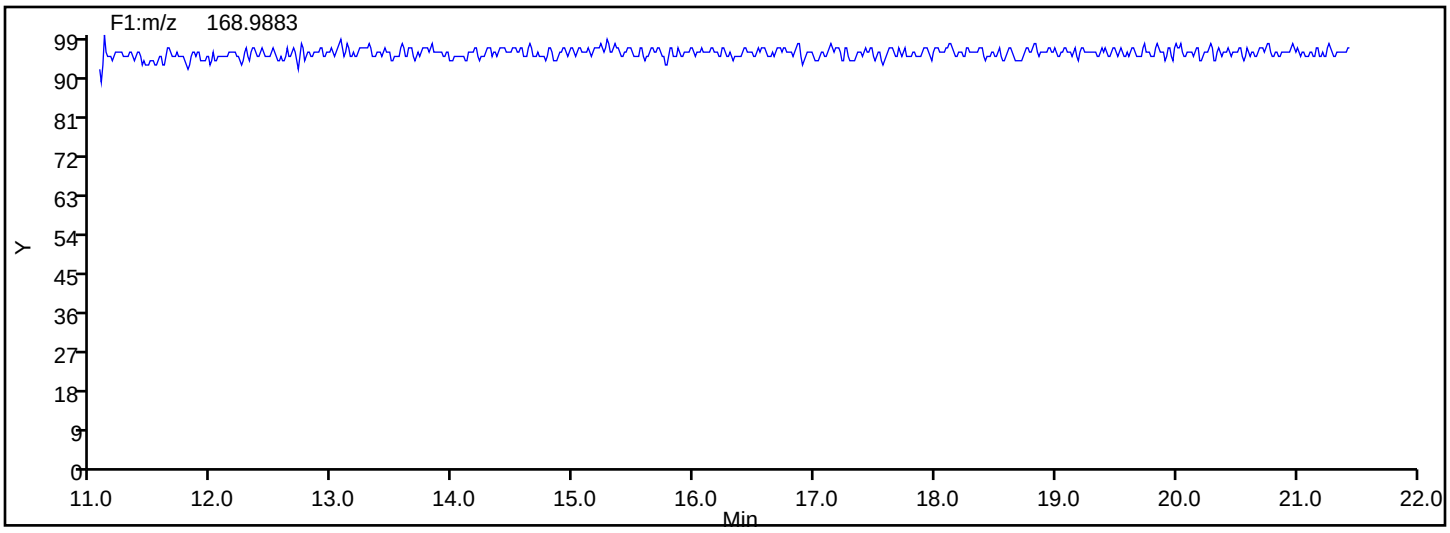
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass

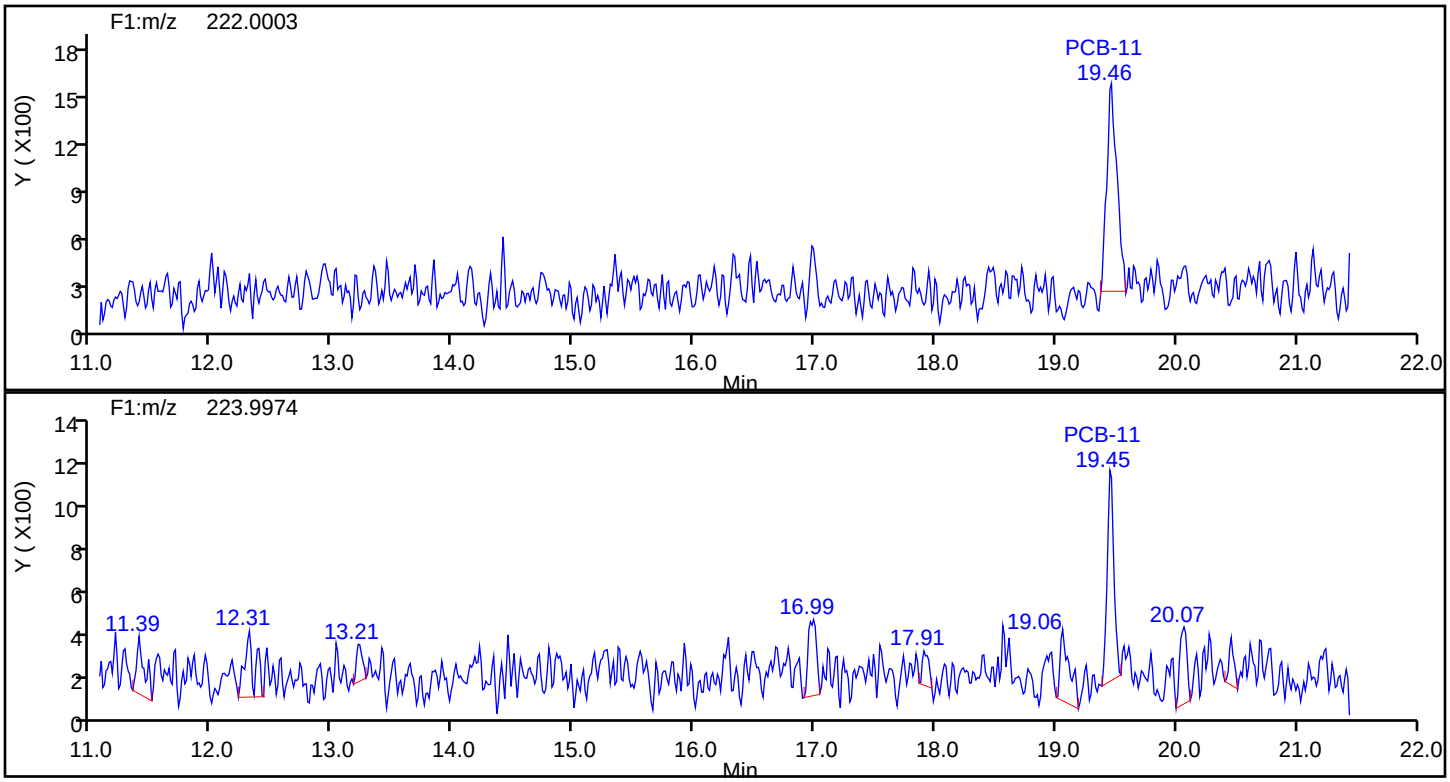


Report Date: 09-Oct-2019 23:16:04 Chrom Revision: 2.3 17-Sep-2019 16:19:08

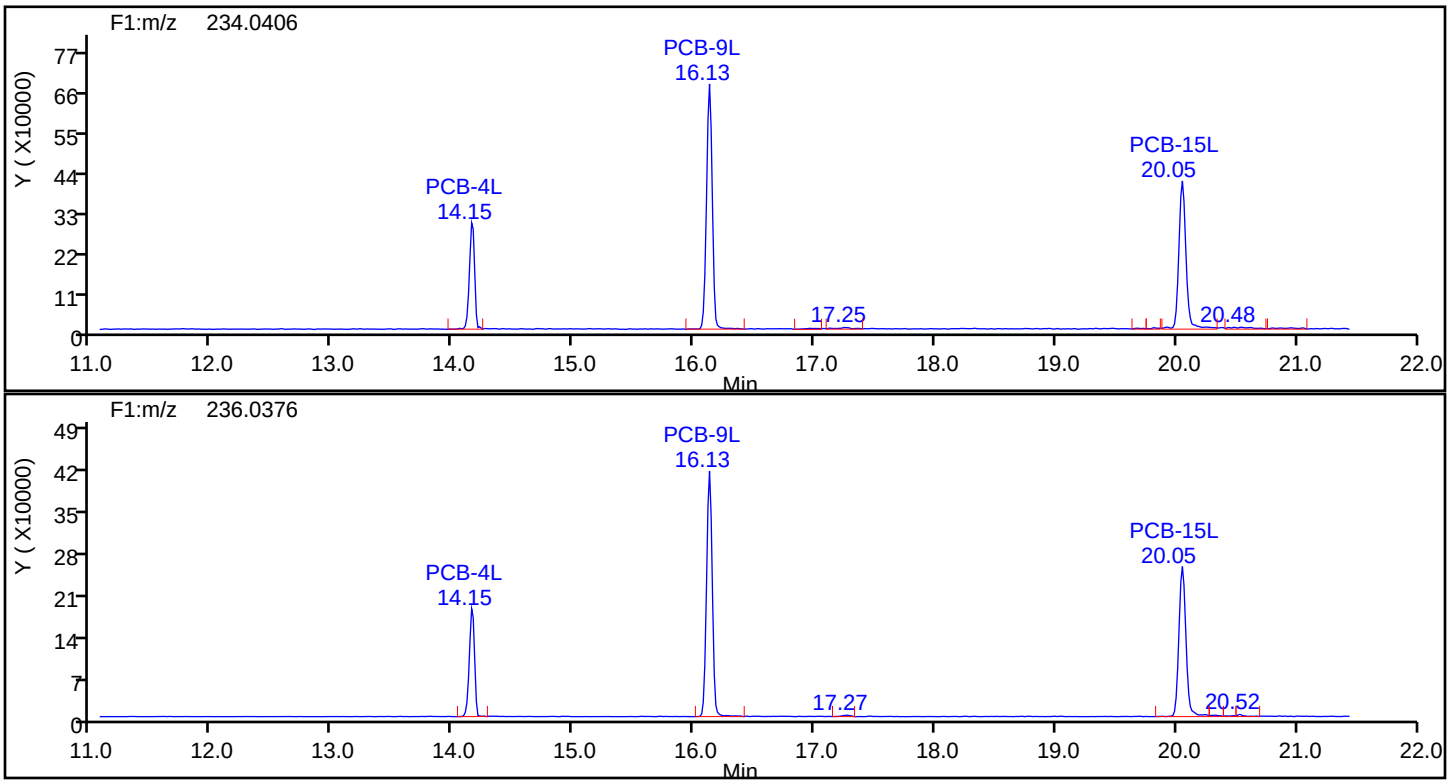
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



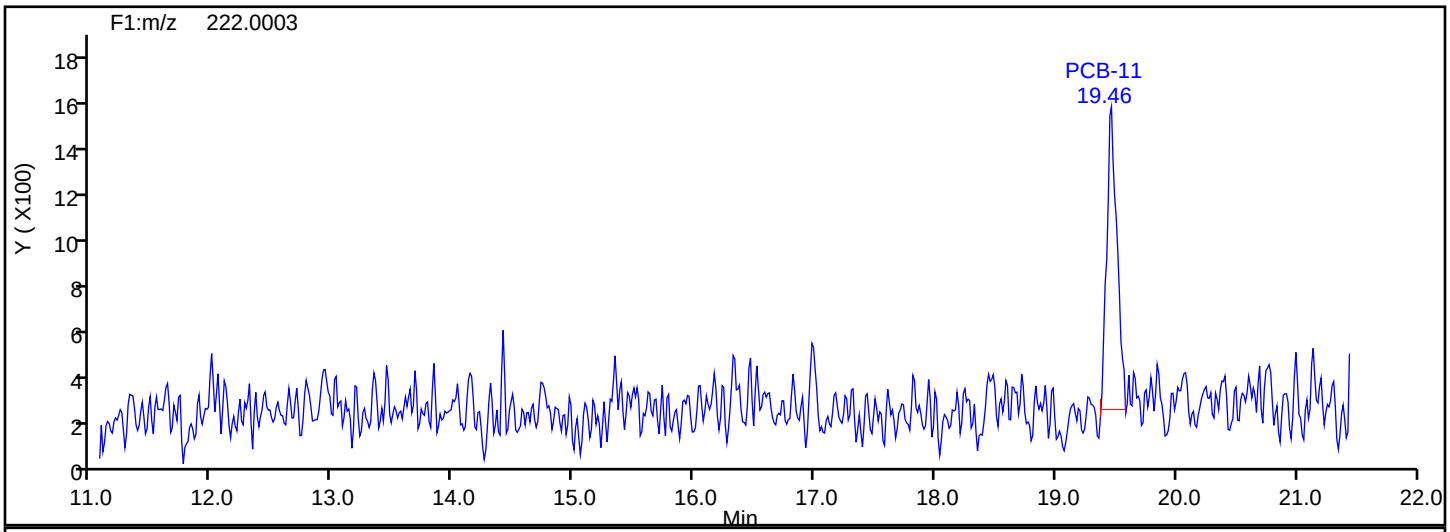

DiPCB F1 Standards

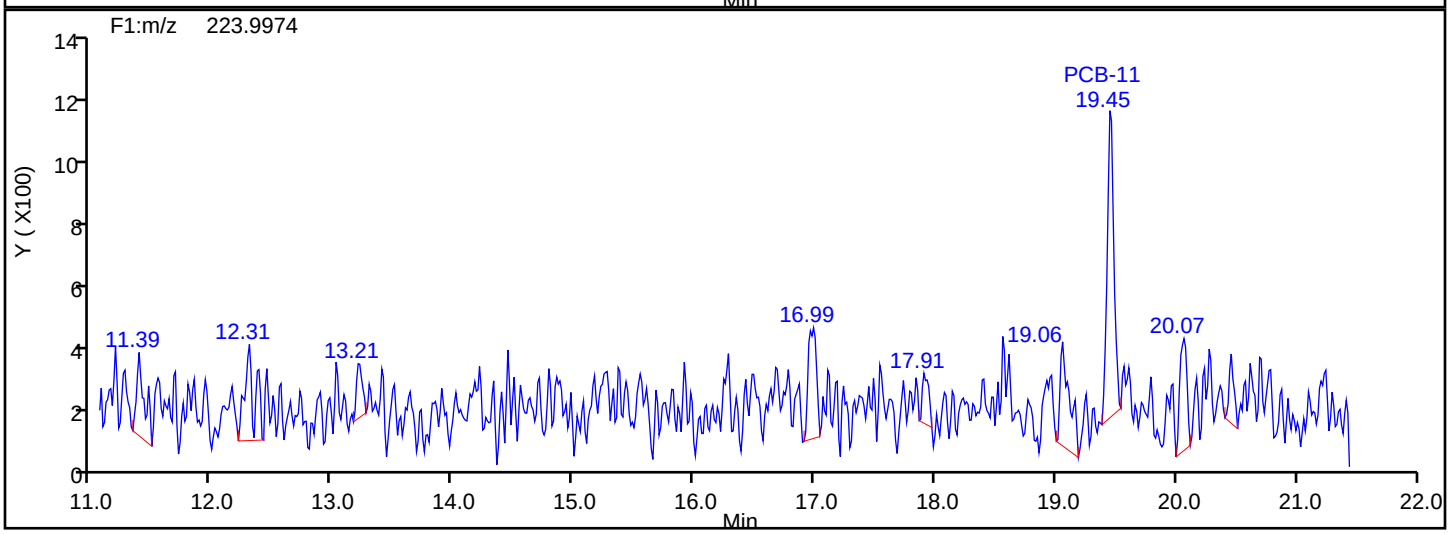


Eurofins TestAmerica, Knoxville

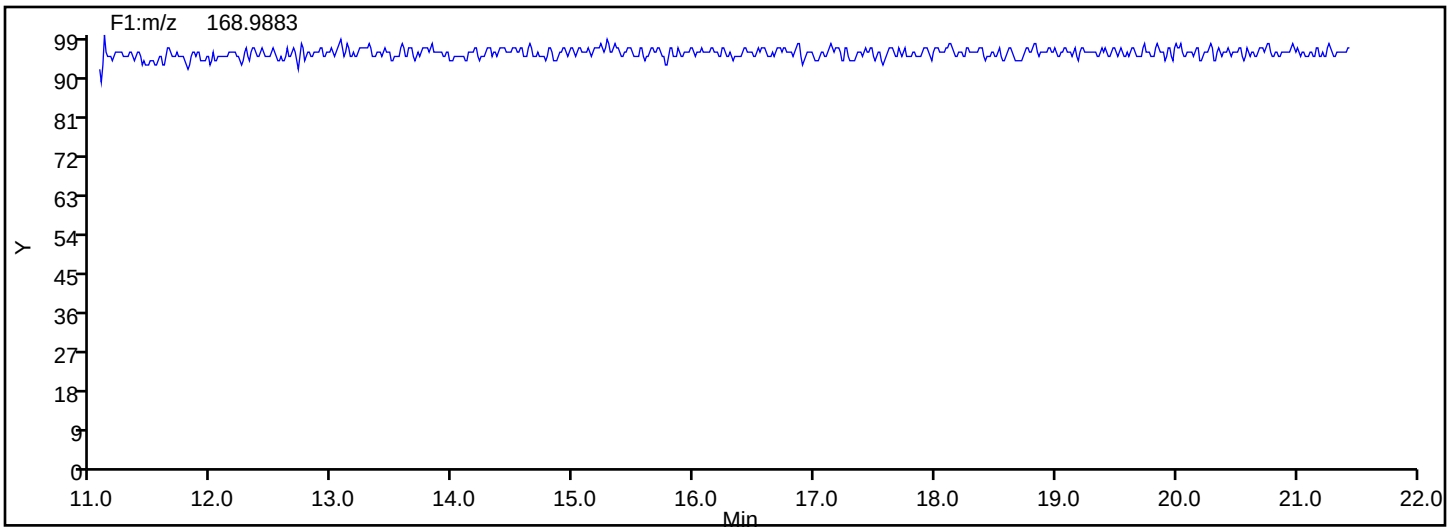
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



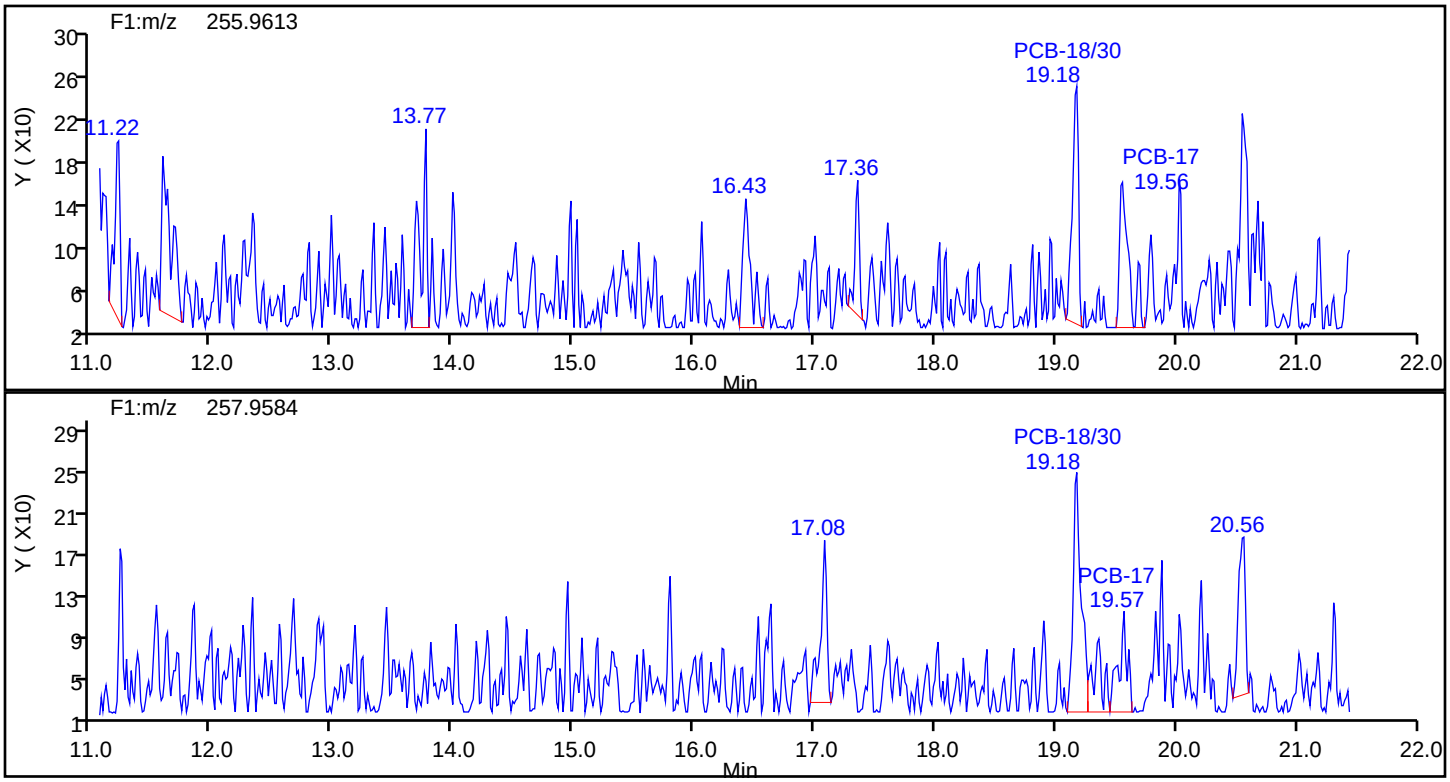

DiPCB F1 Lock Mass



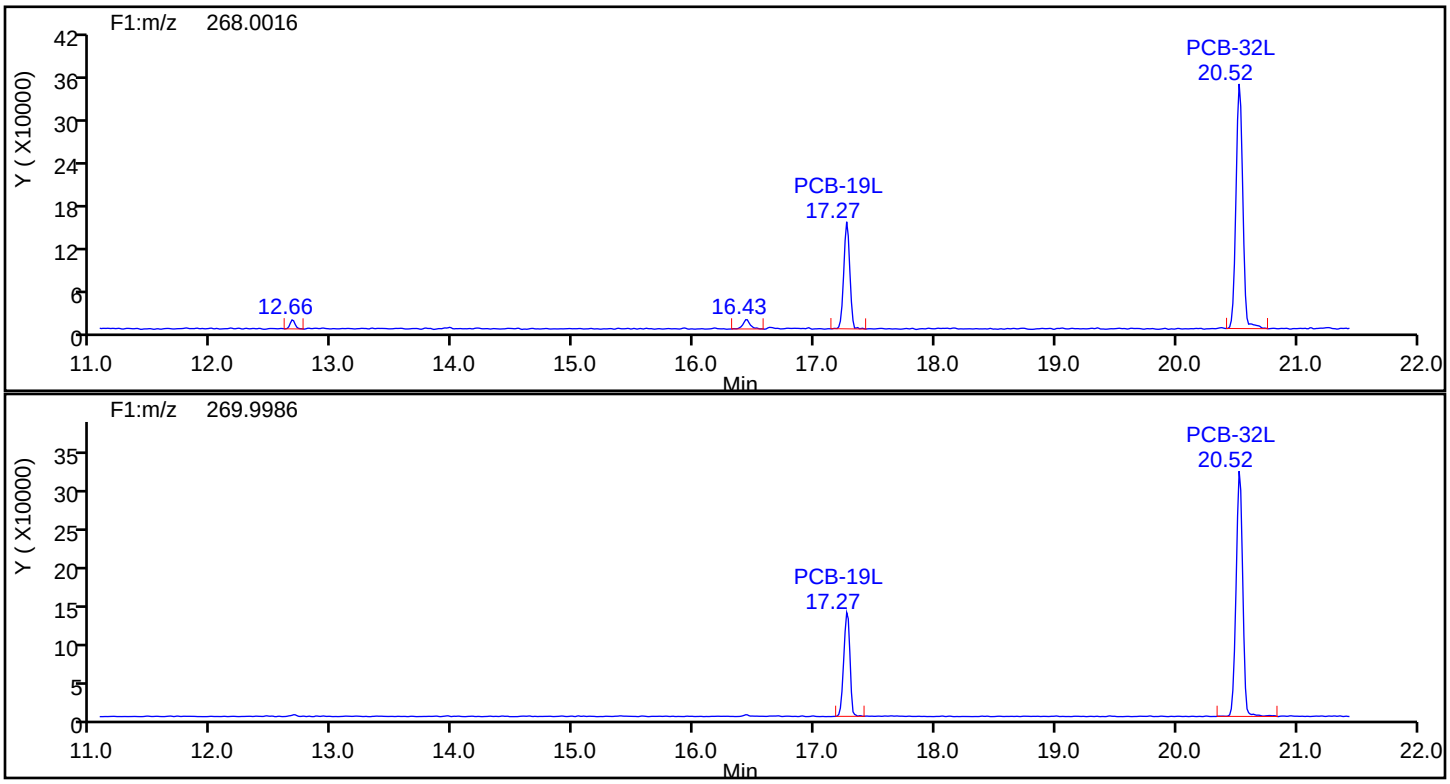
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1



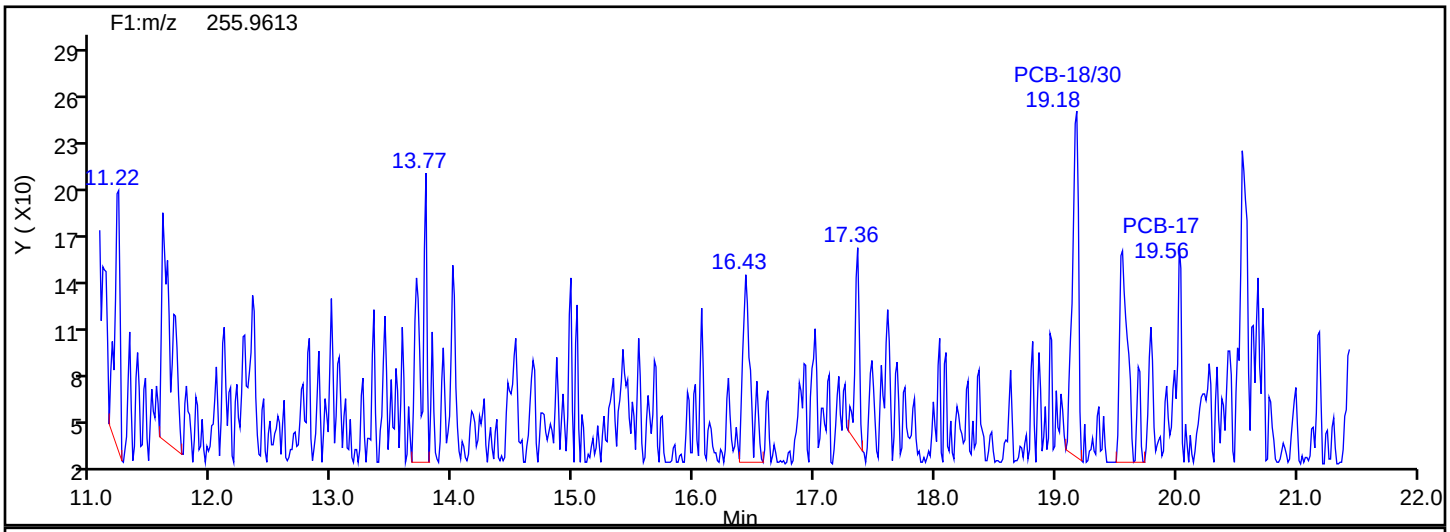

TriPCB F1 Standards

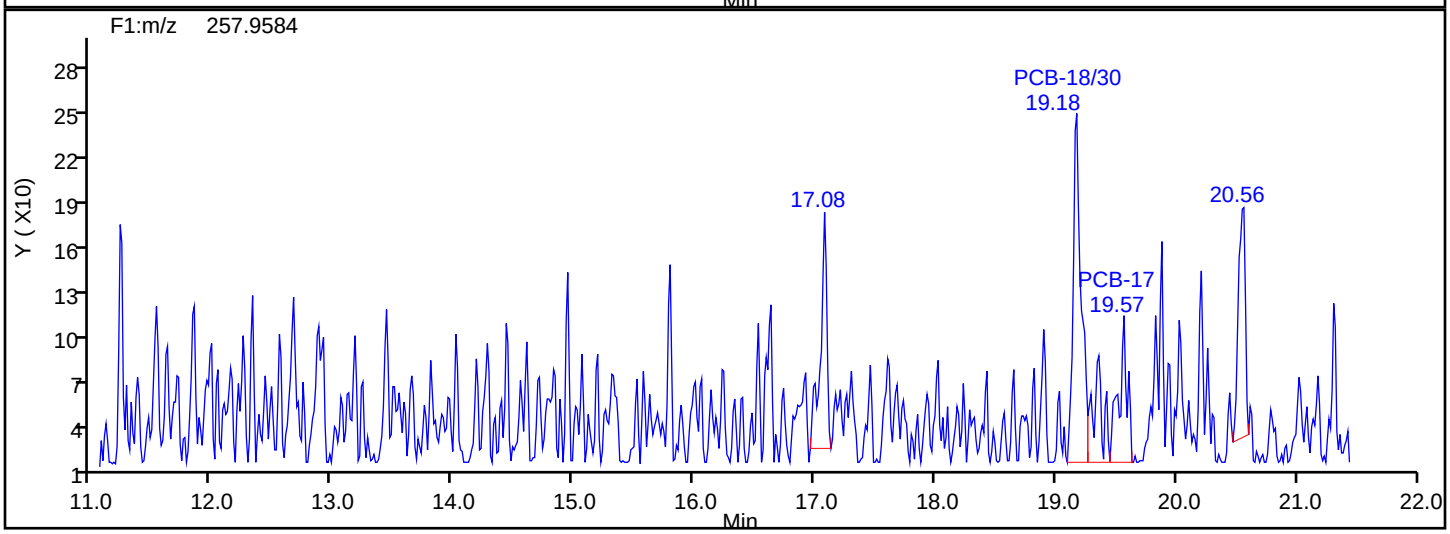


Eurofins TestAmerica, Knoxville

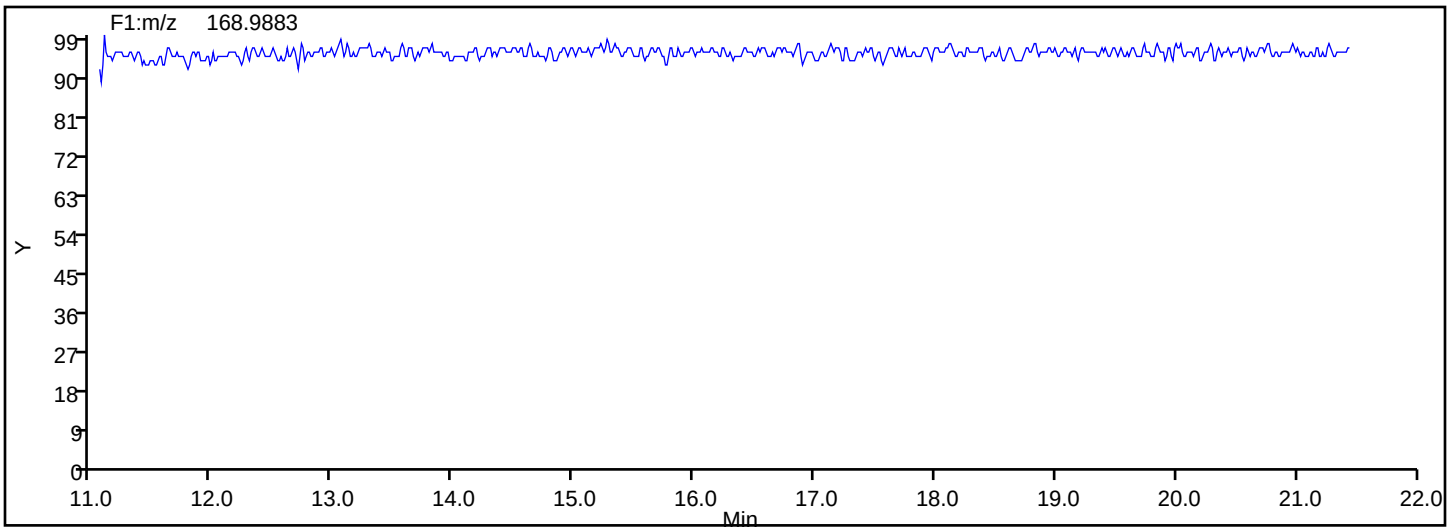
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

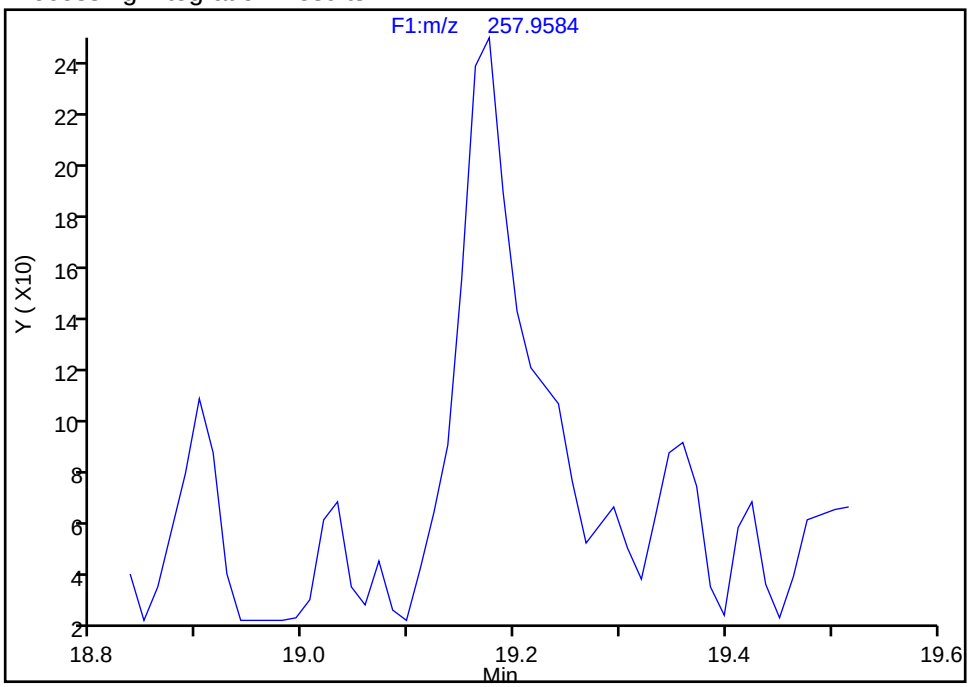
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-18/30, CAS: STL01798

Signal: 2

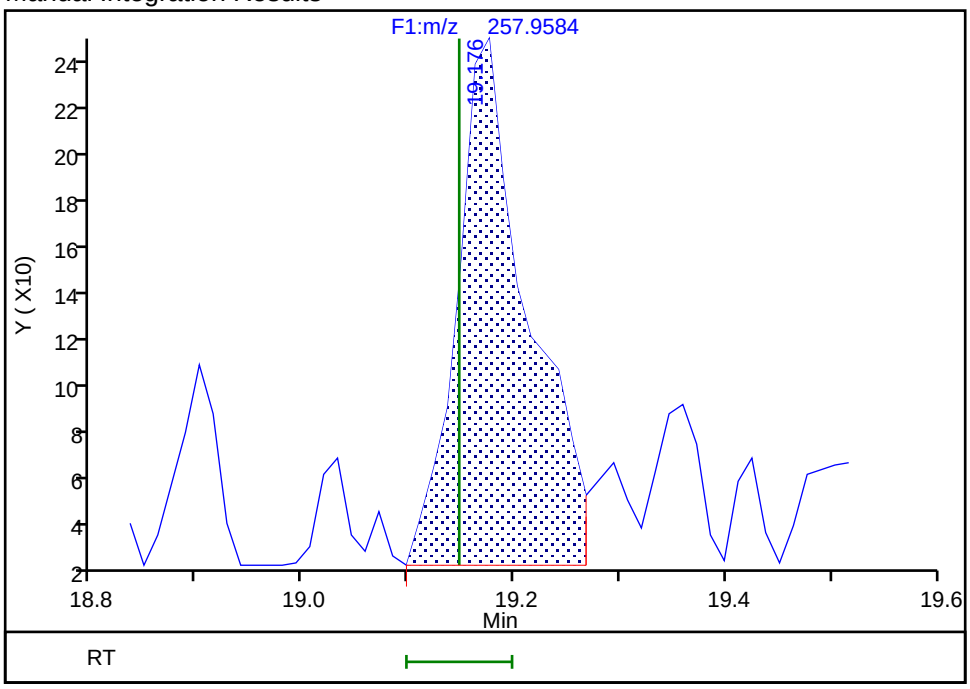
Not Detected
Expected RT: 19.15

Processing Integration Results




Manual Integration Results

RT: 19.18
Area: 1045
Amount: 0.098213
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:06:16
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

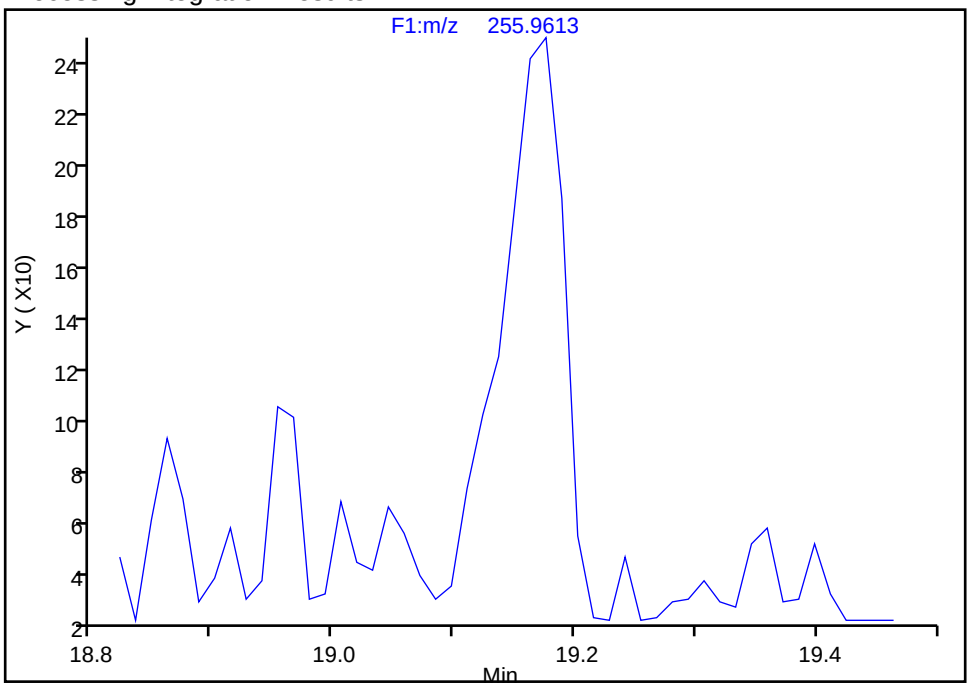
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-18/30, CAS: STL01798

Signal: 1

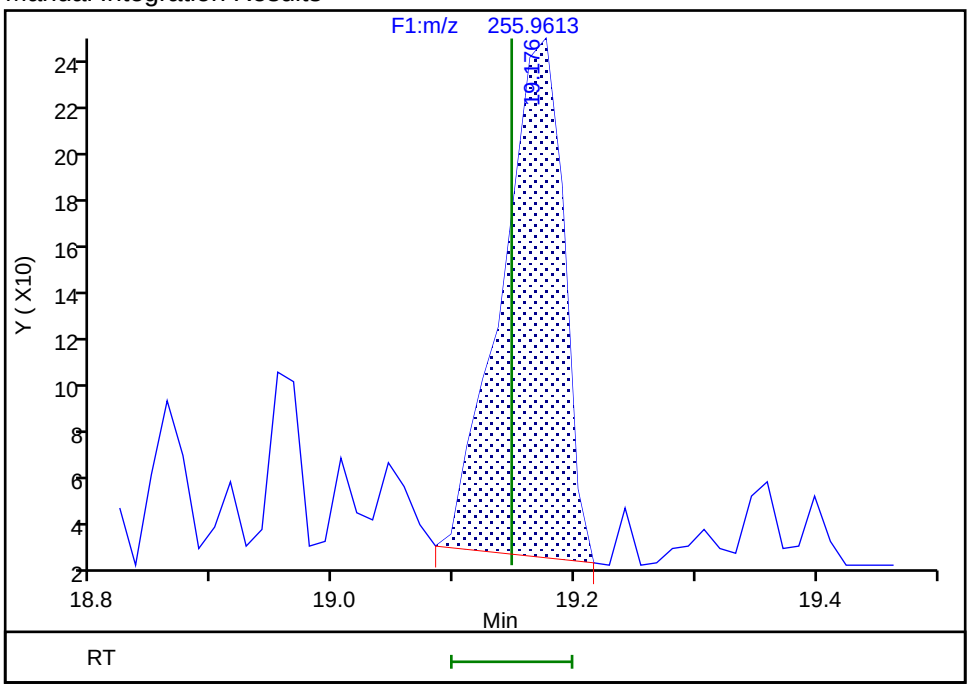
Processing Integration Results

Not Detected
Expected RT: 19.15




Manual Integration Results

RT: 19.18
Area: 771
Amount: 0.098213
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 23:14:56
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

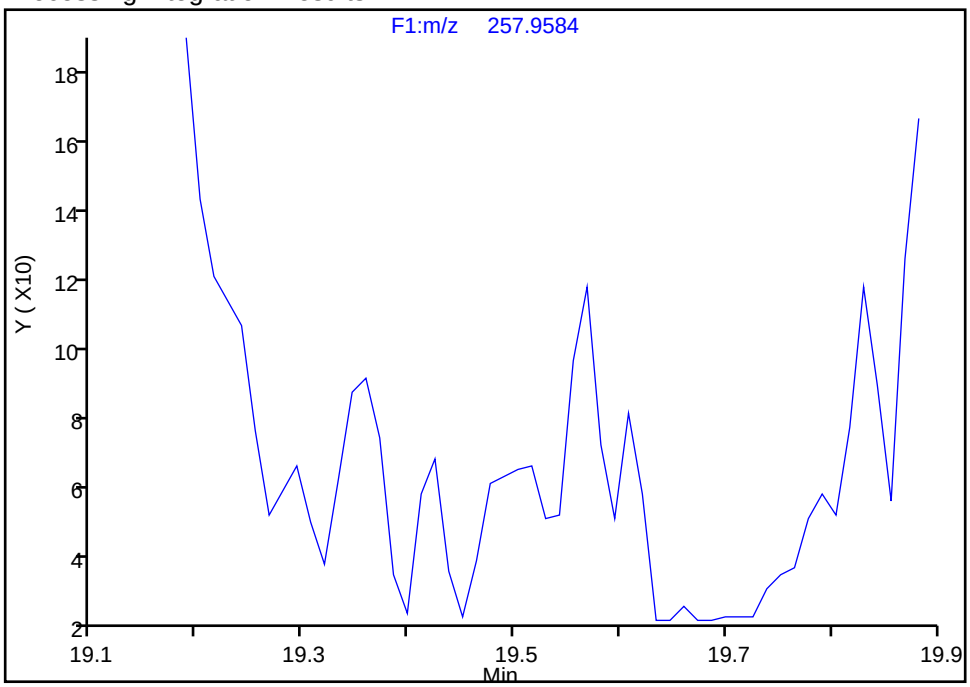
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-17, CAS: 37680-66-3

Signal: 2

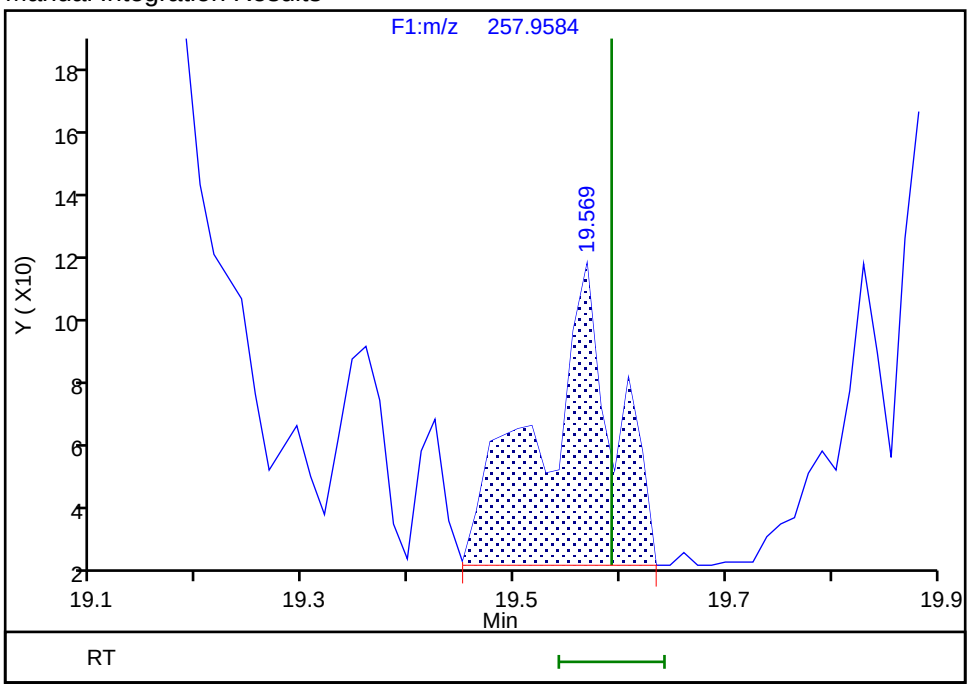
Not Detected
Expected RT: 19.59

Processing Integration Results




Manual Integration Results

RT: 19.57
Area: 460
Amount: 0.074457
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:06:28
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

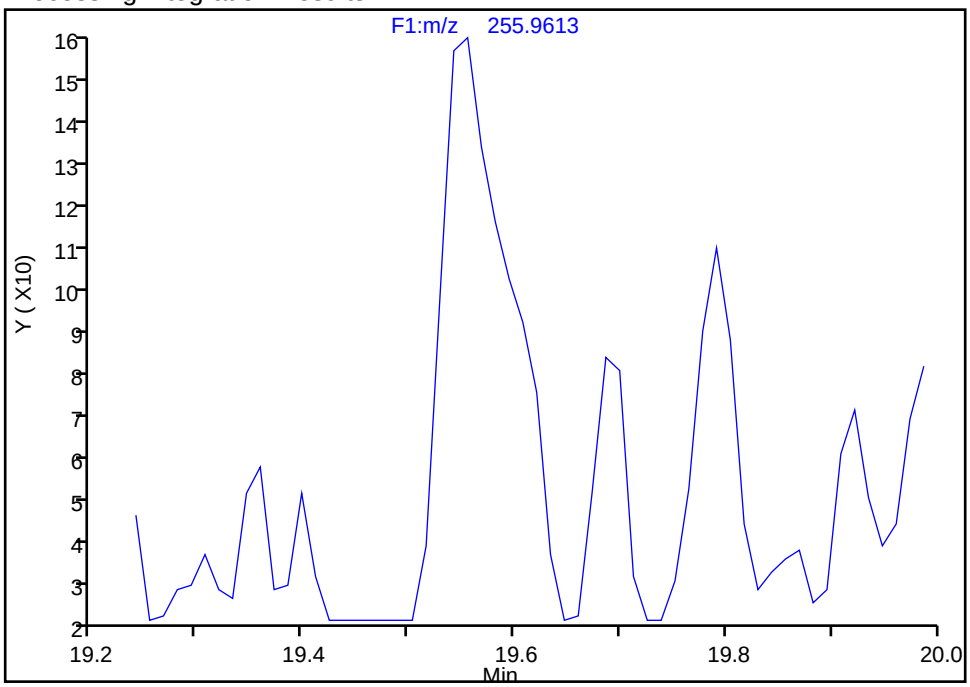
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-17, CAS: 37680-66-3

Signal: 1

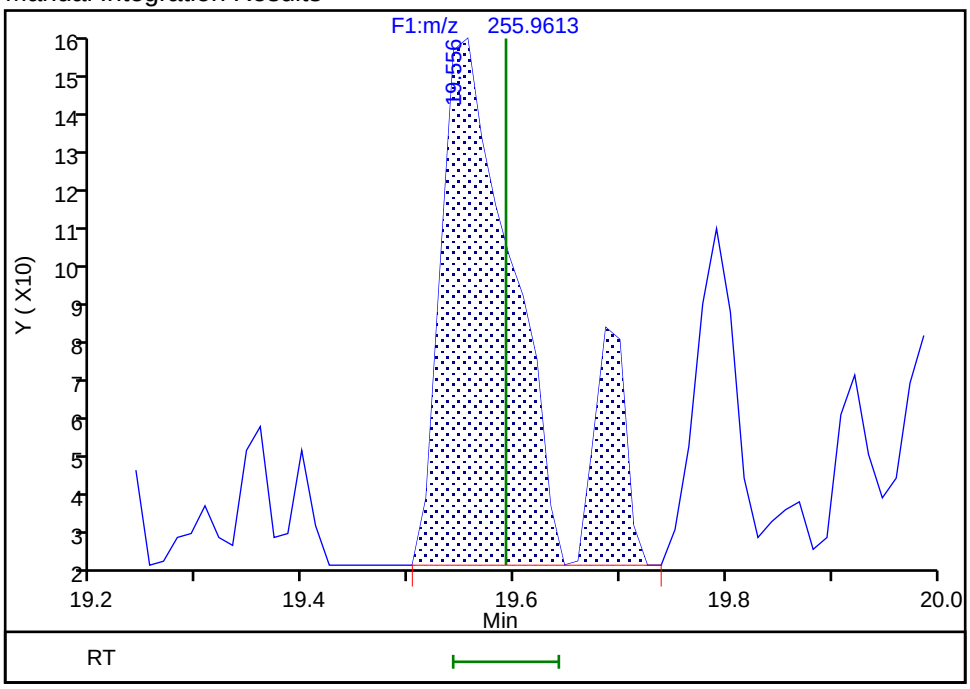
Processing Integration Results

Not Detected
Expected RT: 19.59




Manual Integration Results

RT: 19.56
Area: 724
Amount: 0.074457
Amount Units: pg/ul



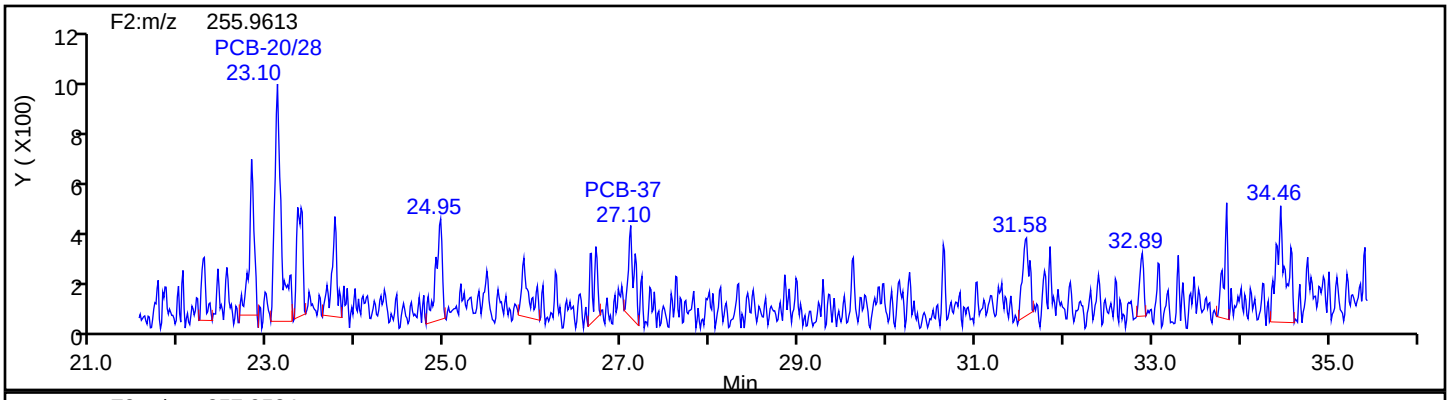

Reviewer: mcwhirterl, 09-Oct-2019 19:06:32
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

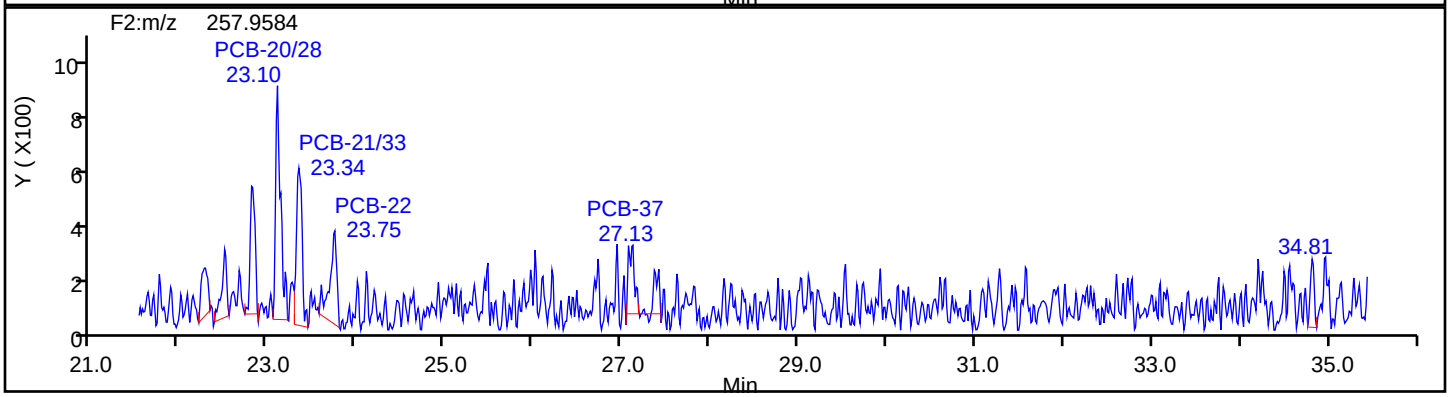
Report Date: 09-Oct-2019 23:16:05 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

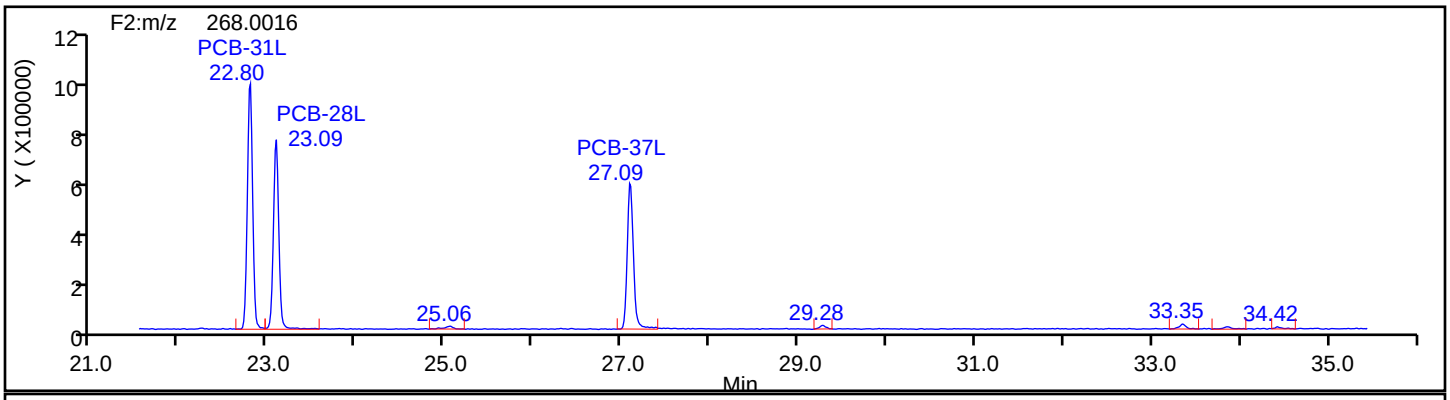
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

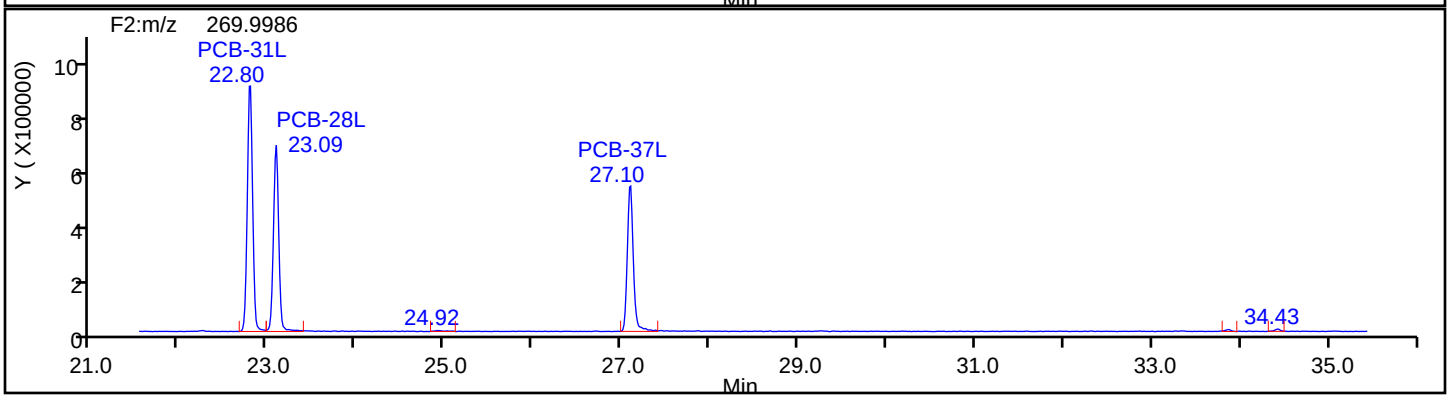
TriPCB F2




TriPCB F2 Standards

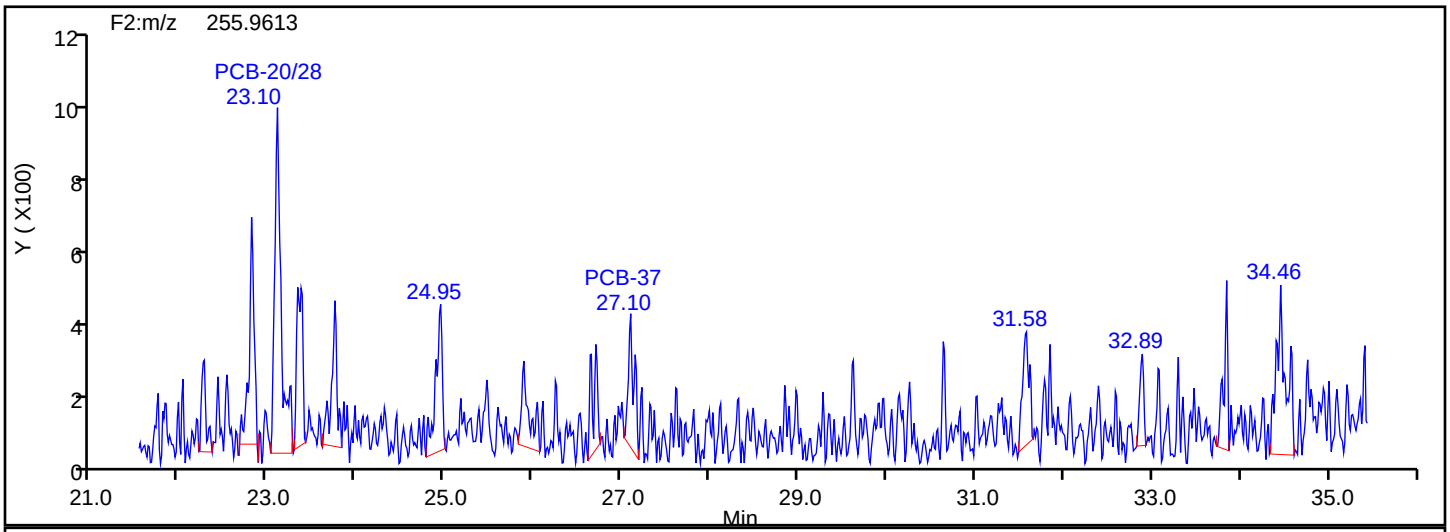


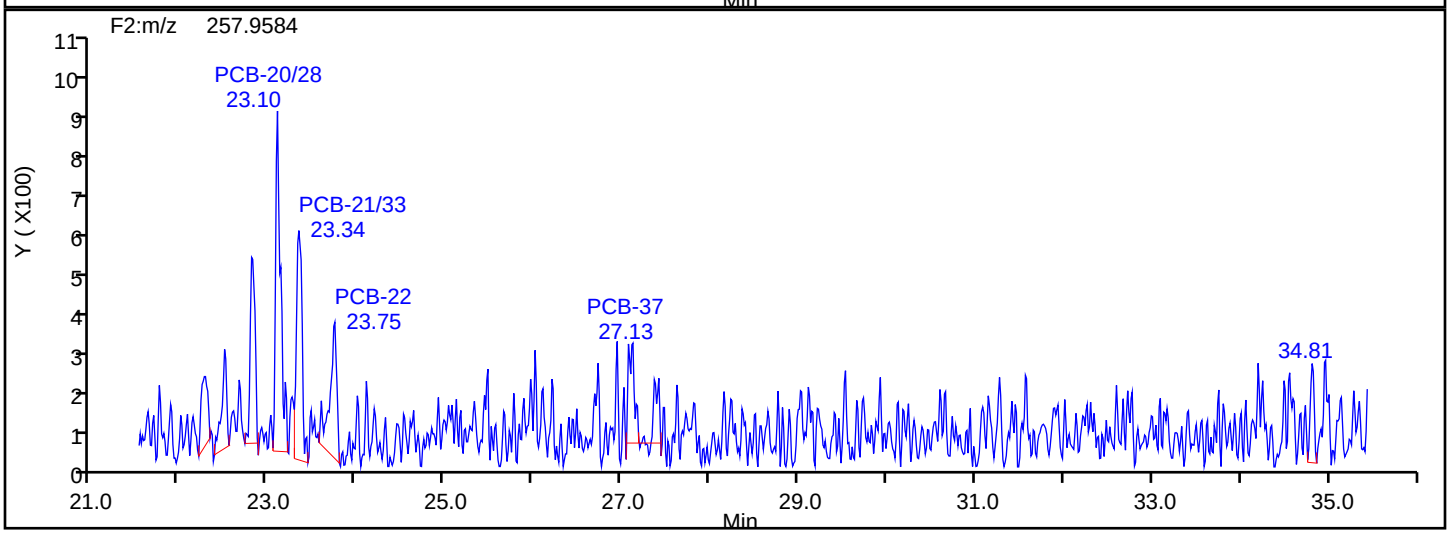



Eurofins TestAmerica, Knoxville

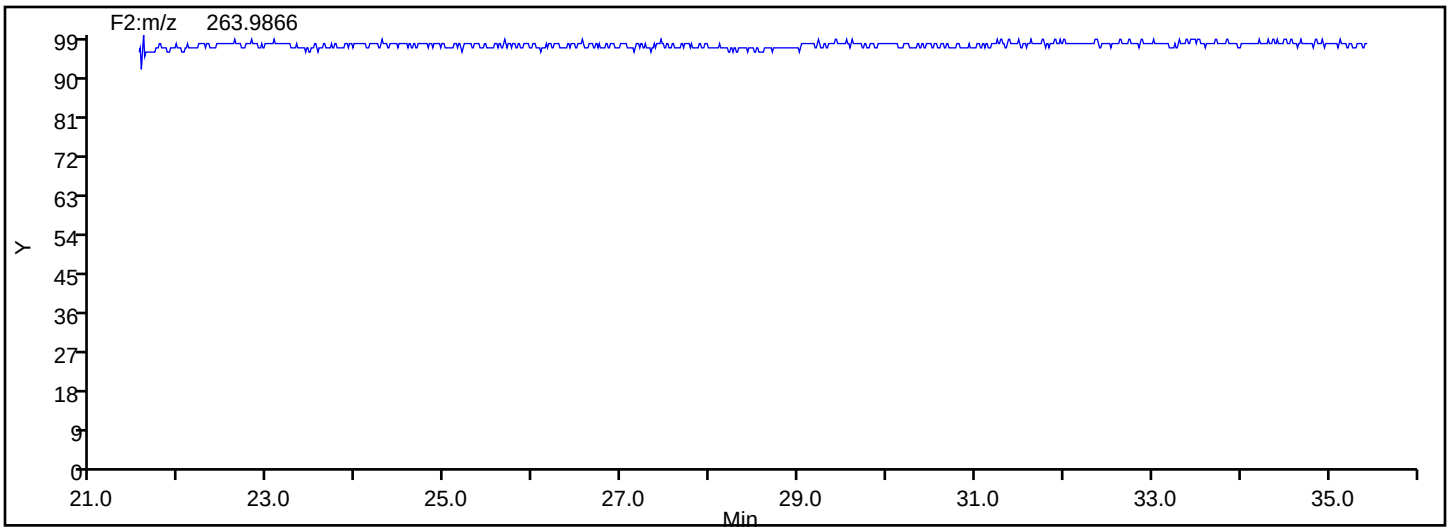
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

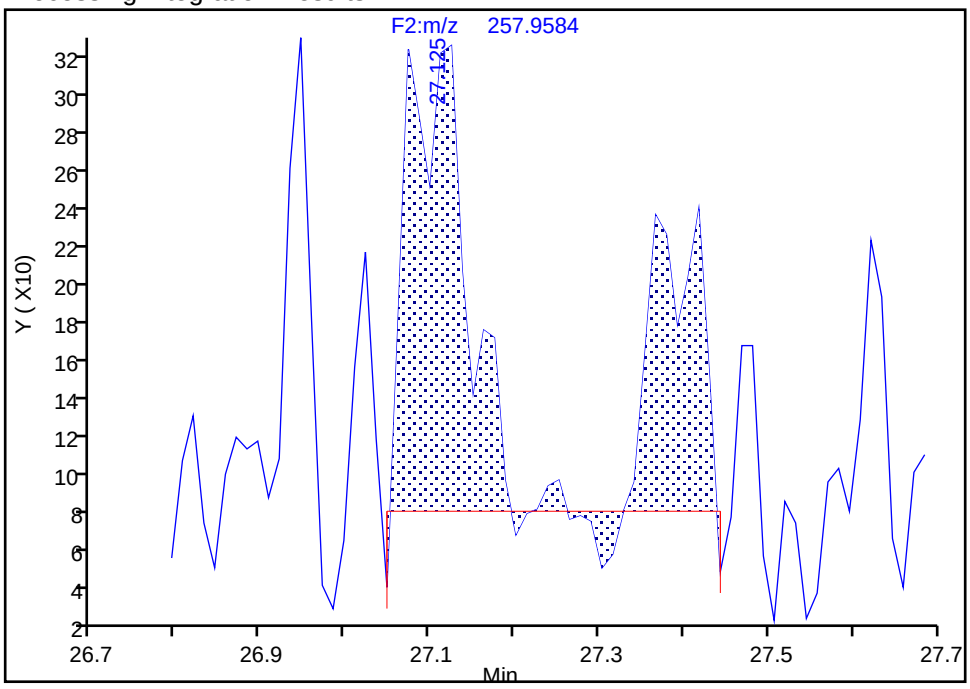
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-37, CAS: 38444-90-5

Signal: 2

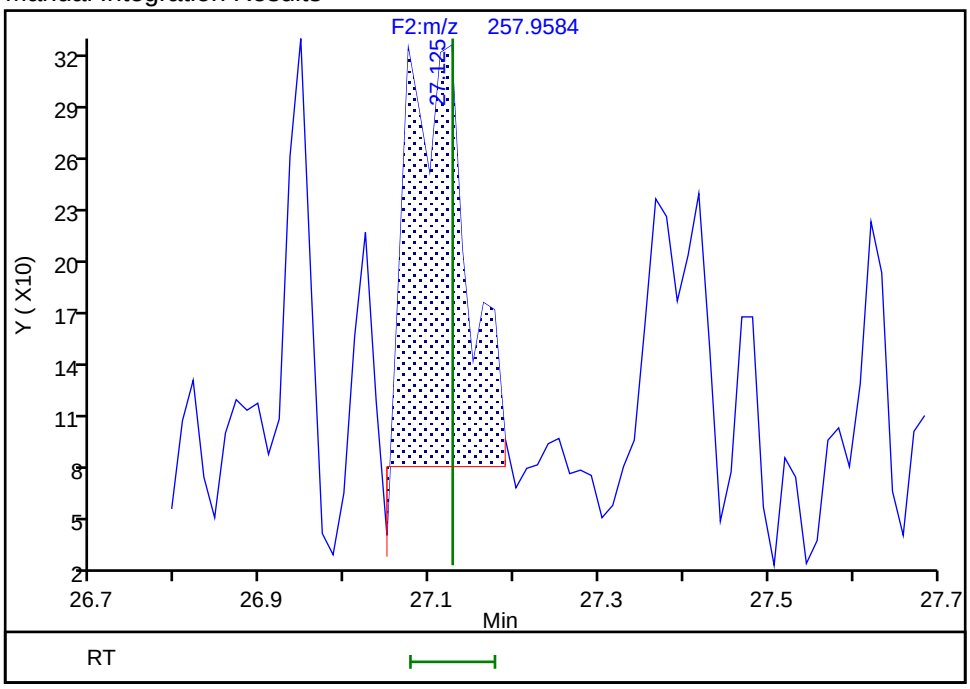
Processing Integration Results

RT: 27.13
Area: 1754
Amount: 0.049137
Amount Units: pg/ul




Manual Integration Results

RT: 27.13
Area: 1162
Amount: 0.040304
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:06:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

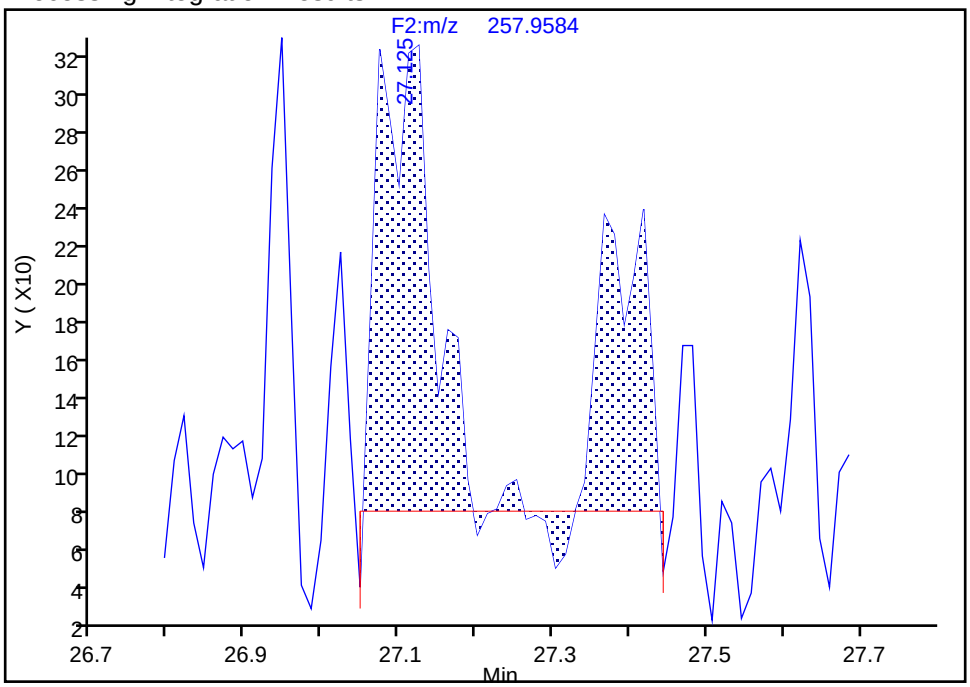
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-37, CAS: 38444-90-5

Signal: 3

Processing Integration Results

RT: 27.10
Area: 3293
Amount: 0.049137
Amount Units: pg/ul




Manual Integration Results

RT: 27.10
Area: 2701
Amount: 0.040304
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:06:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

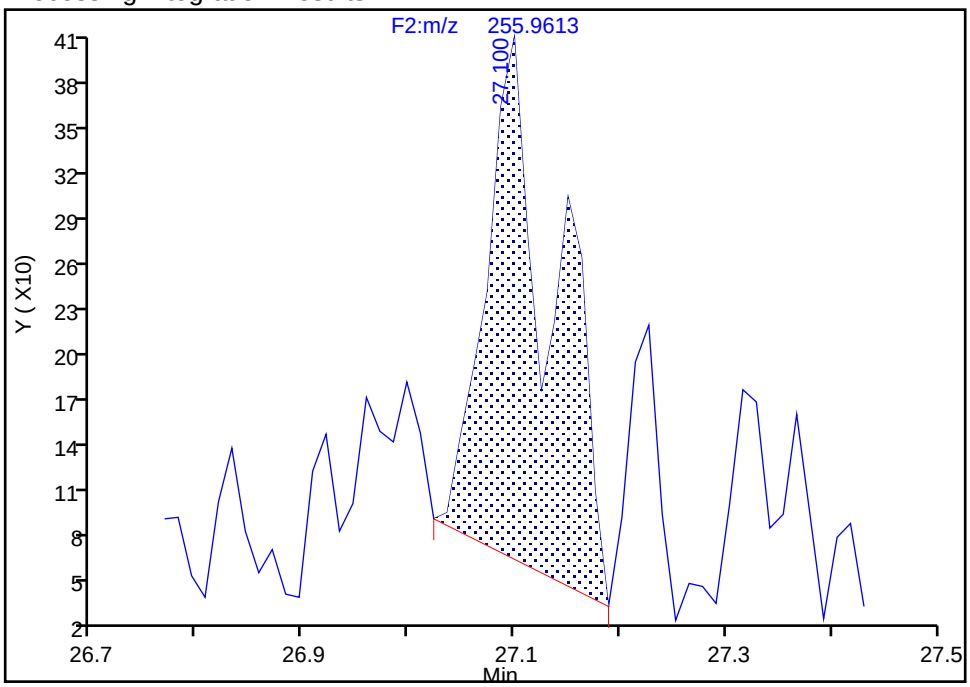
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-37, CAS: 38444-90-5

Signal: 1

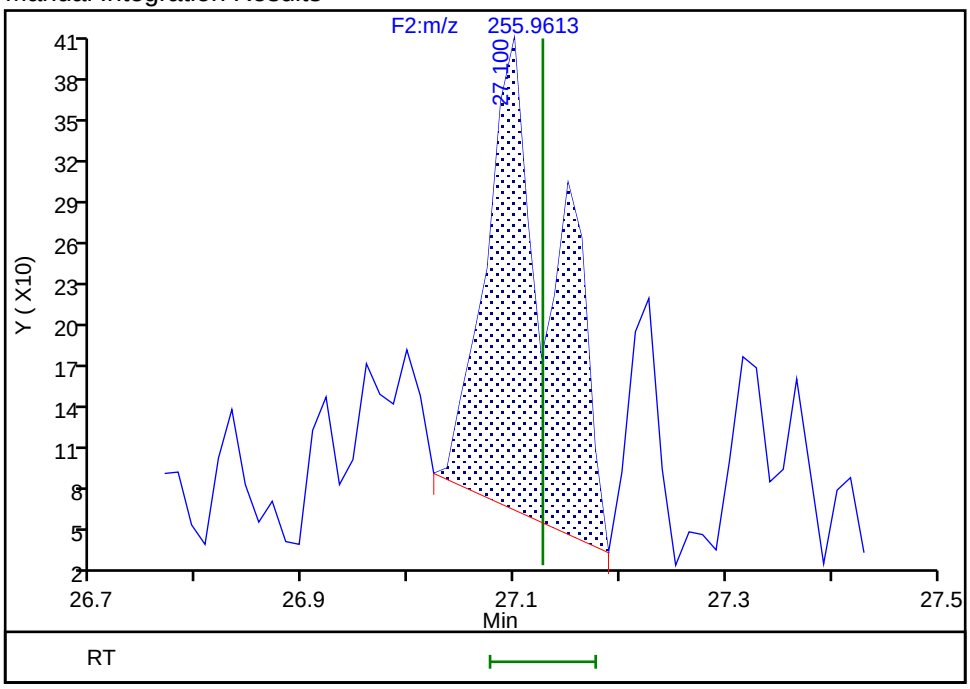
Processing Integration Results

RT: 27.10
Area: 1539
Amount: 0.049137
Amount Units: pg/ul




Manual Integration Results

RT: 27.10
Area: 1539
Amount: 0.040304
Amount Units: pg/ul



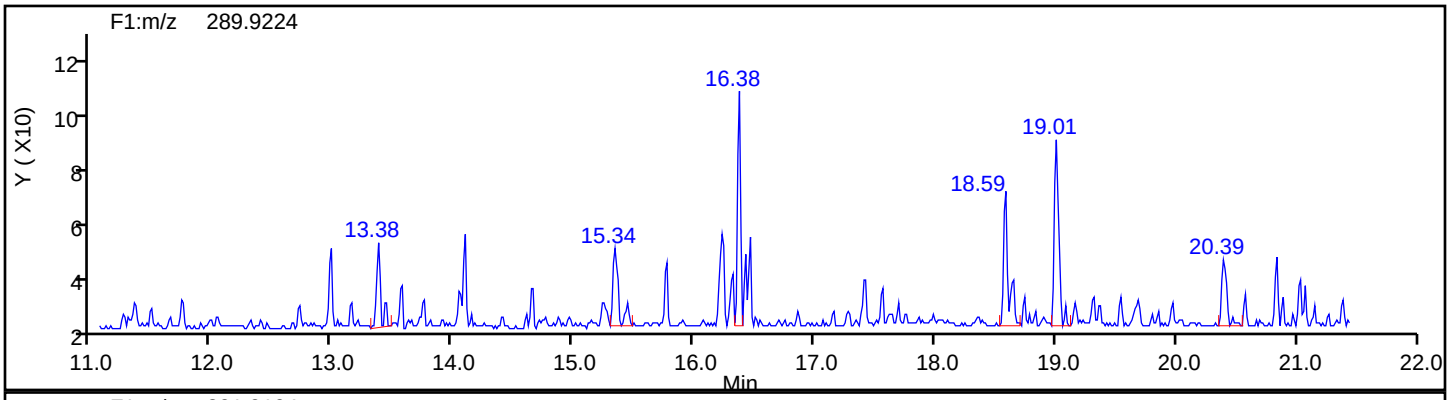

Reviewer: mcwhirterl, 09-Oct-2019 19:06:56
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

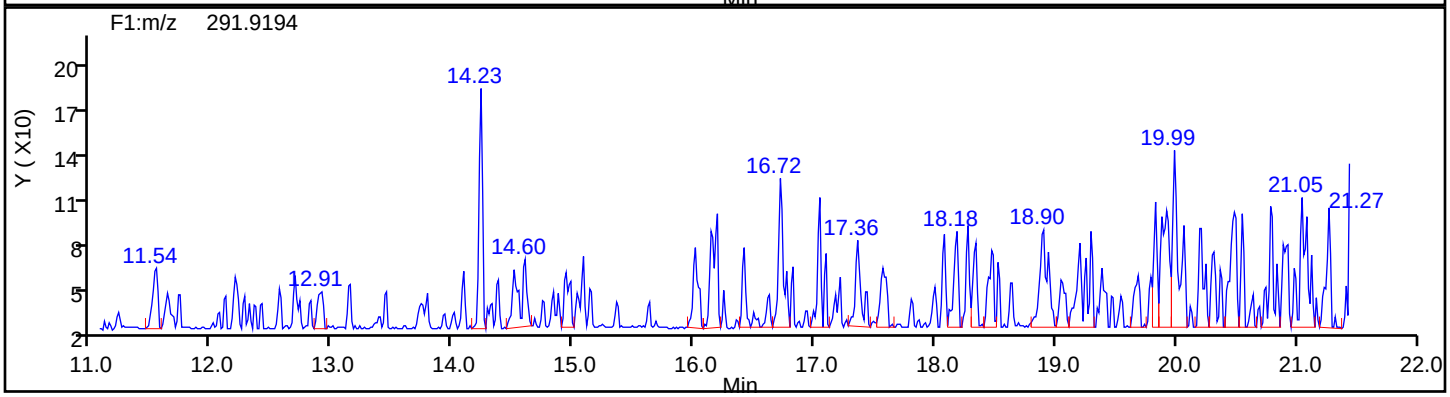
Report Date: 09-Oct-2019 23:16:05 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

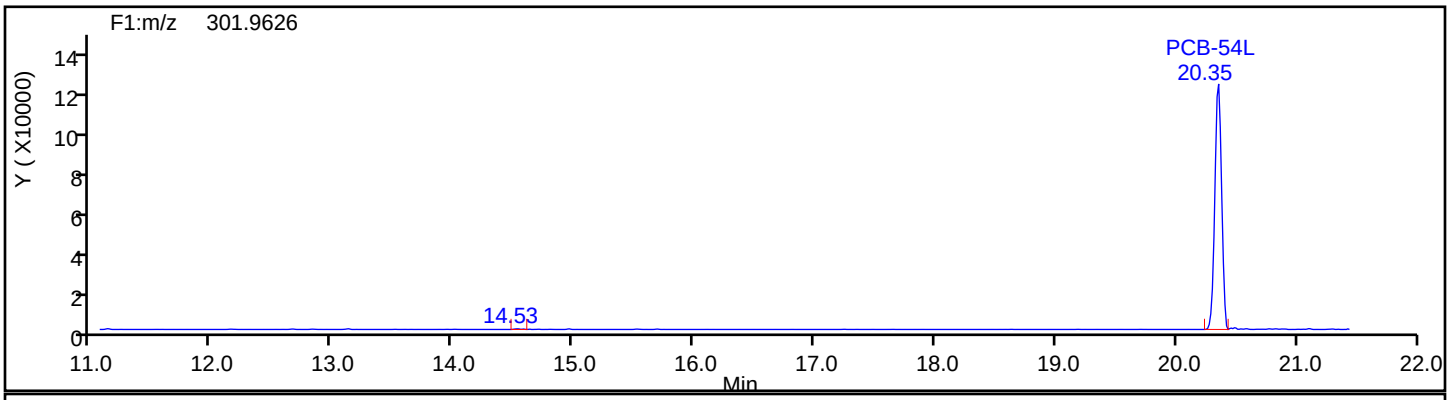
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

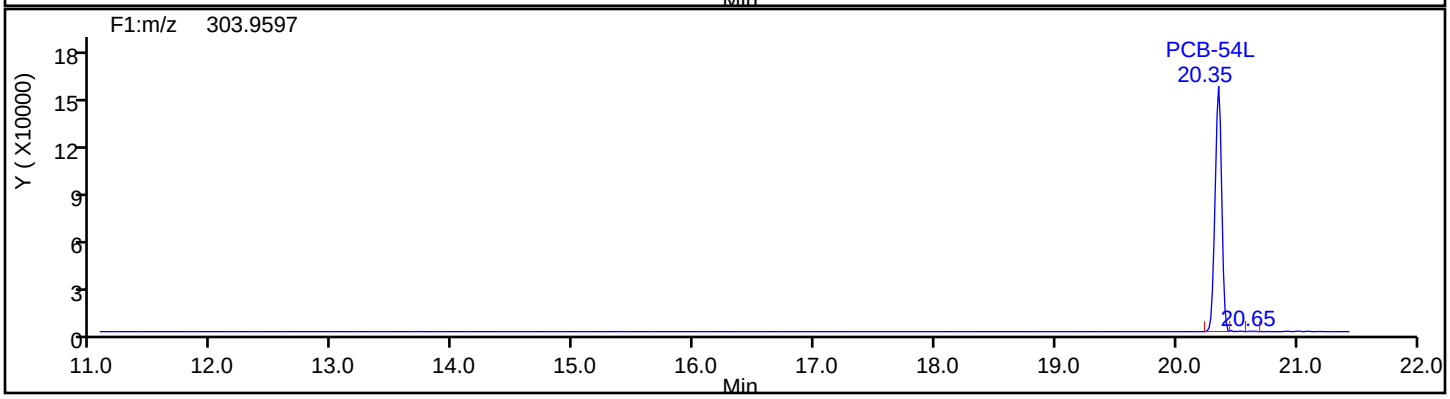
TePCB F1




TePCB F1 Standards

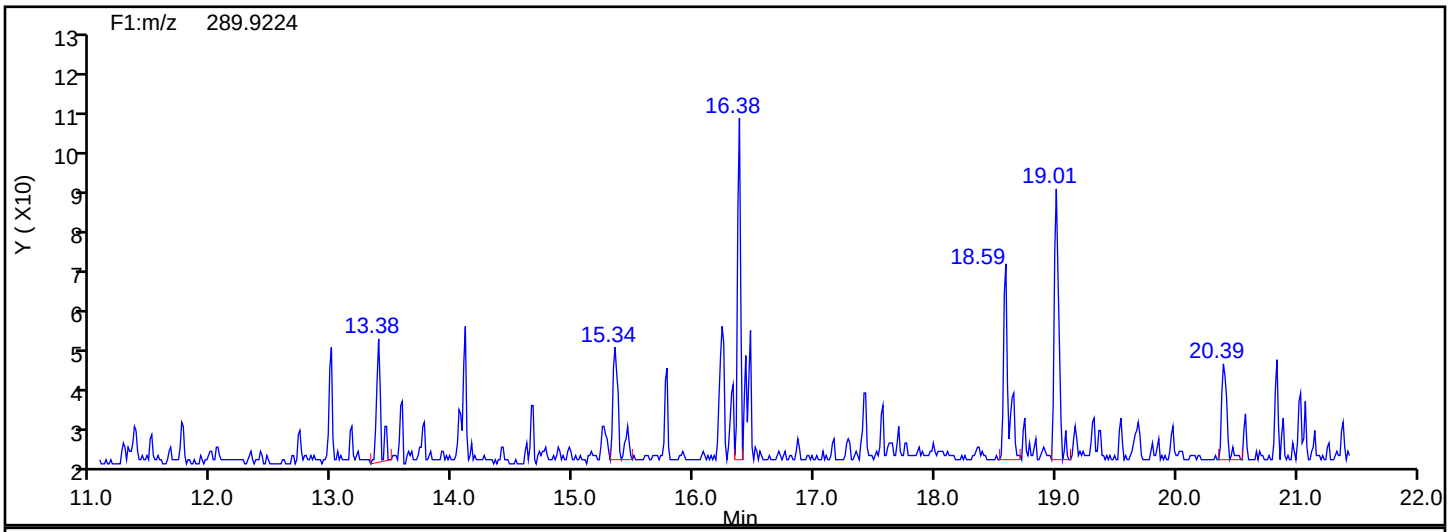


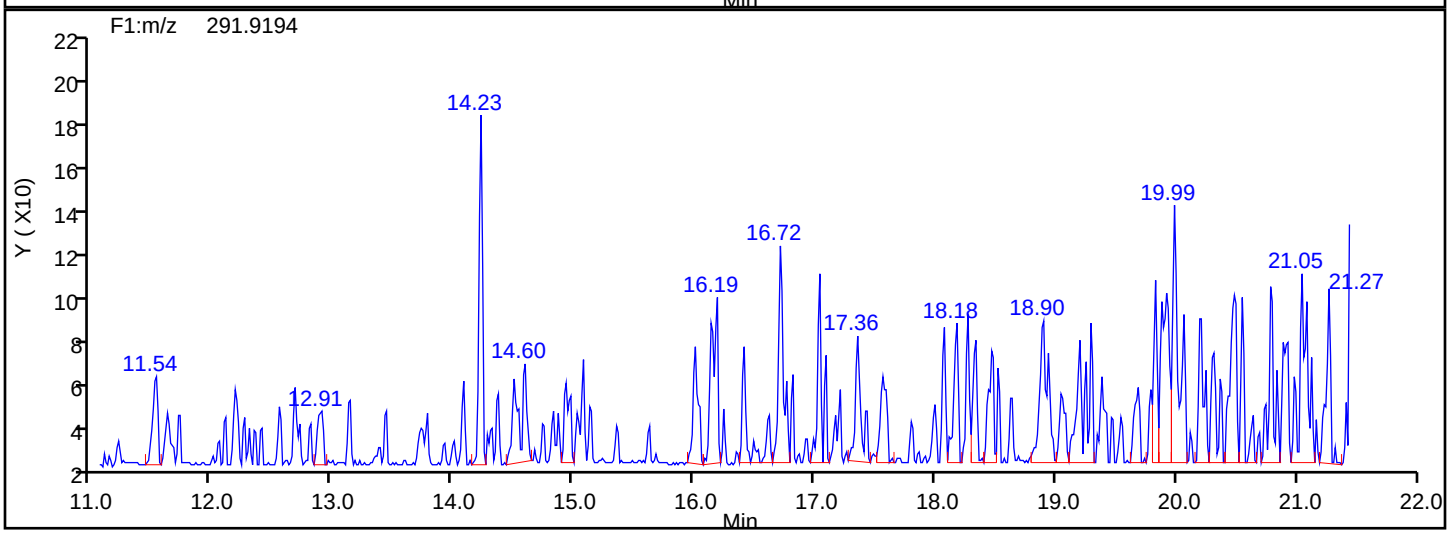



Eurofins TestAmerica, Knoxville

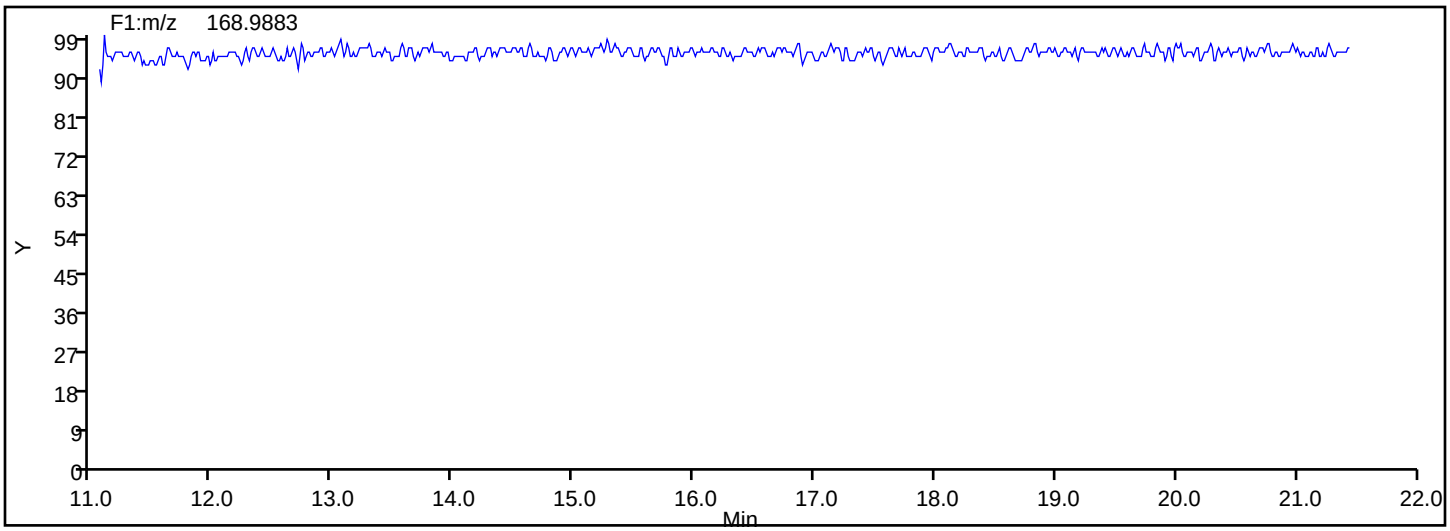
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Lock Mass

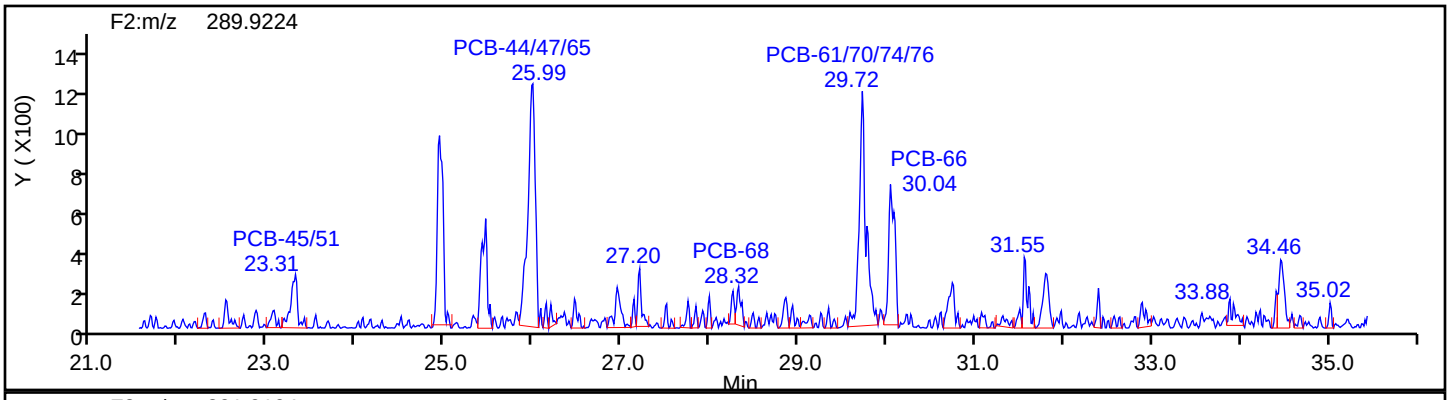


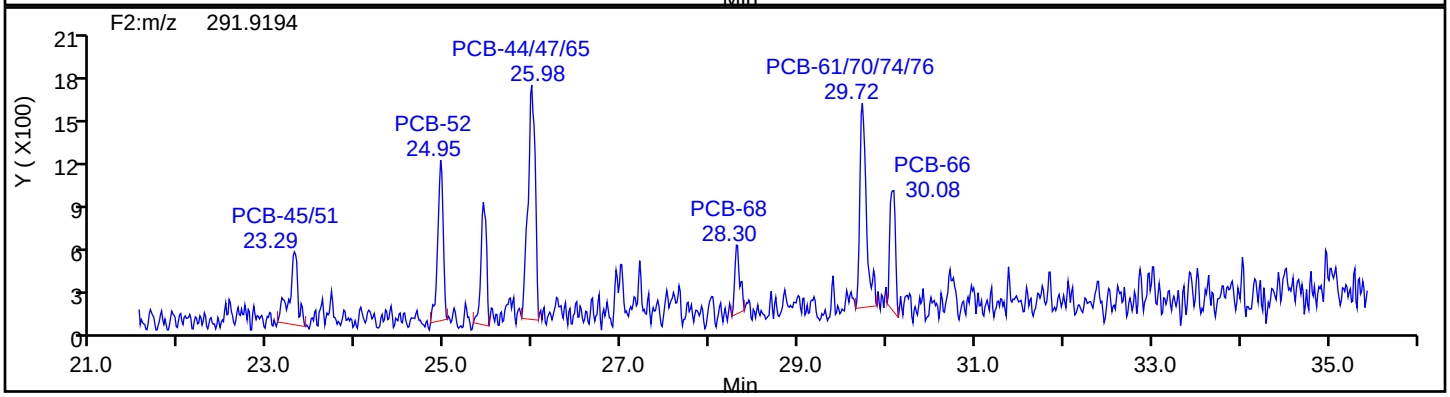
Report Date: 09-Oct-2019 23:16:05 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

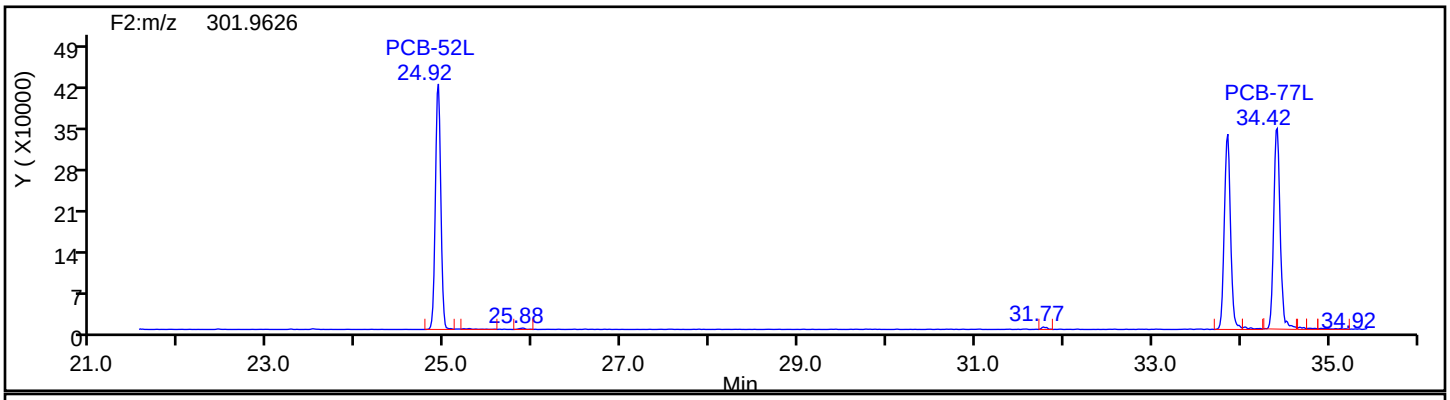
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

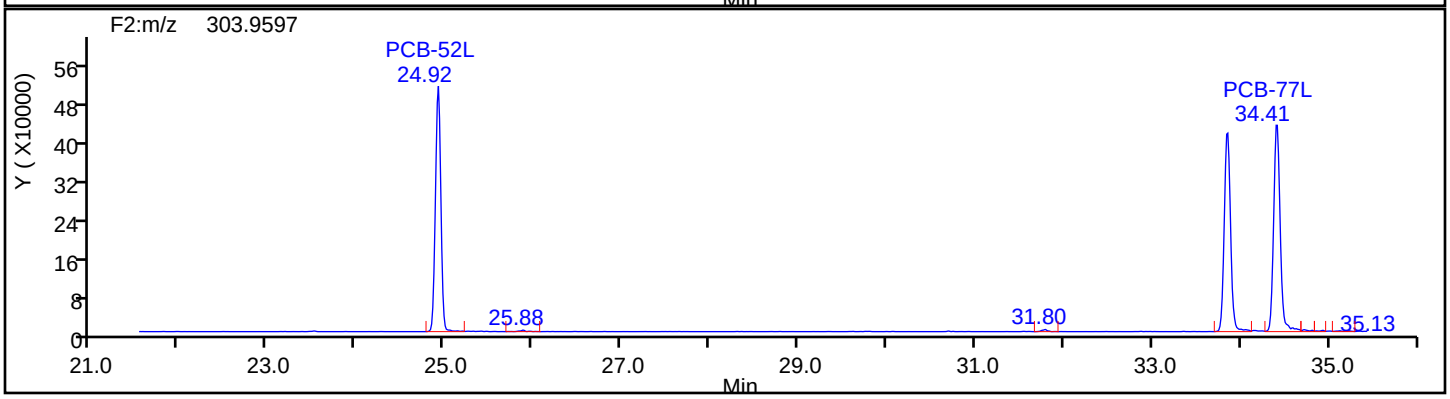
TePCB F2




TePCB F2 Standards

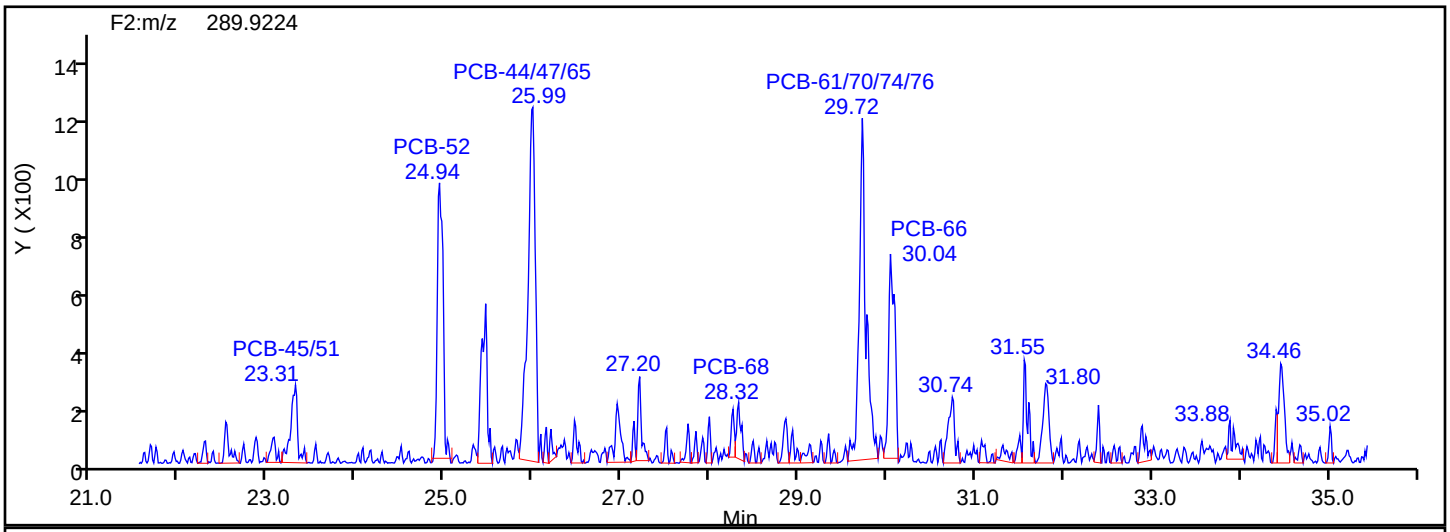


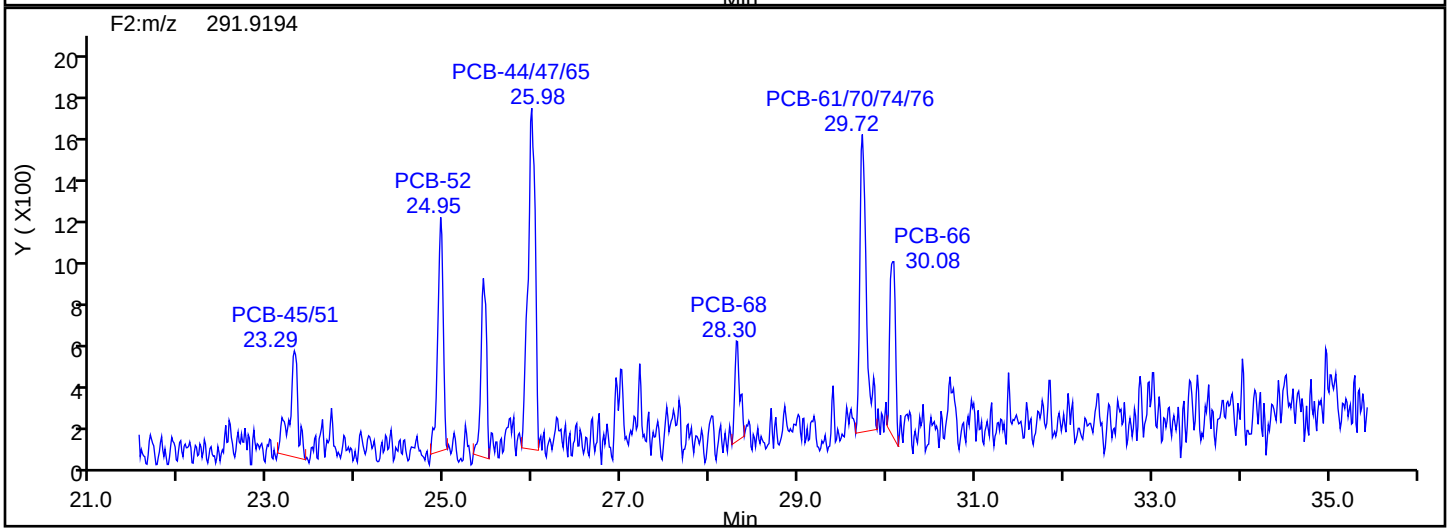



Eurofins TestAmerica, Knoxville

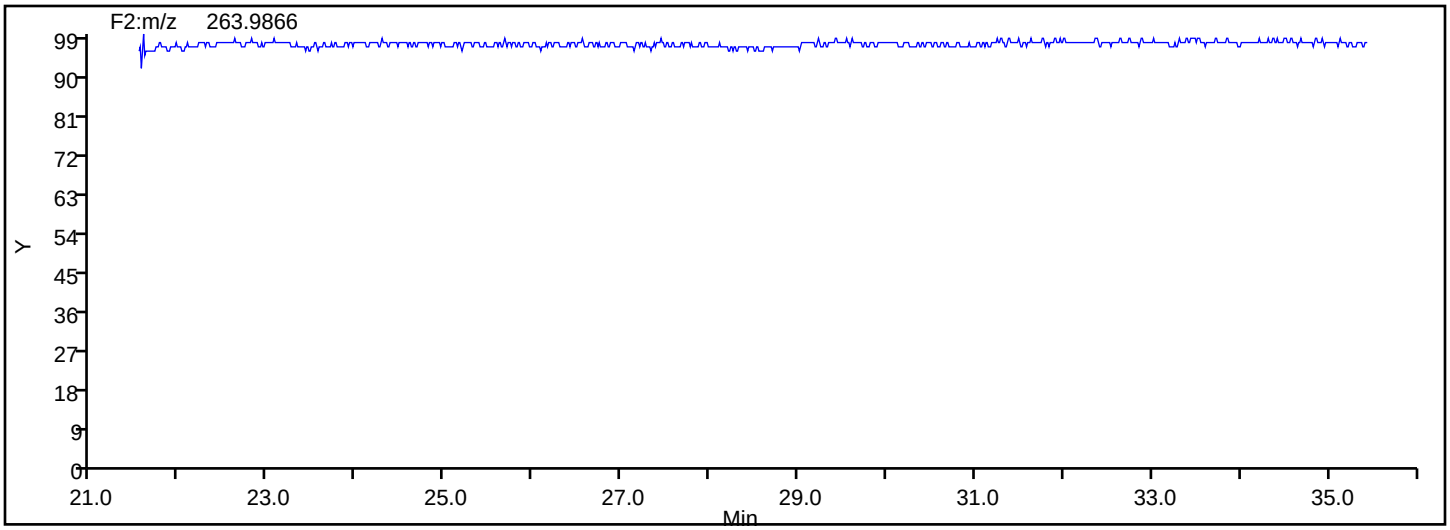
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

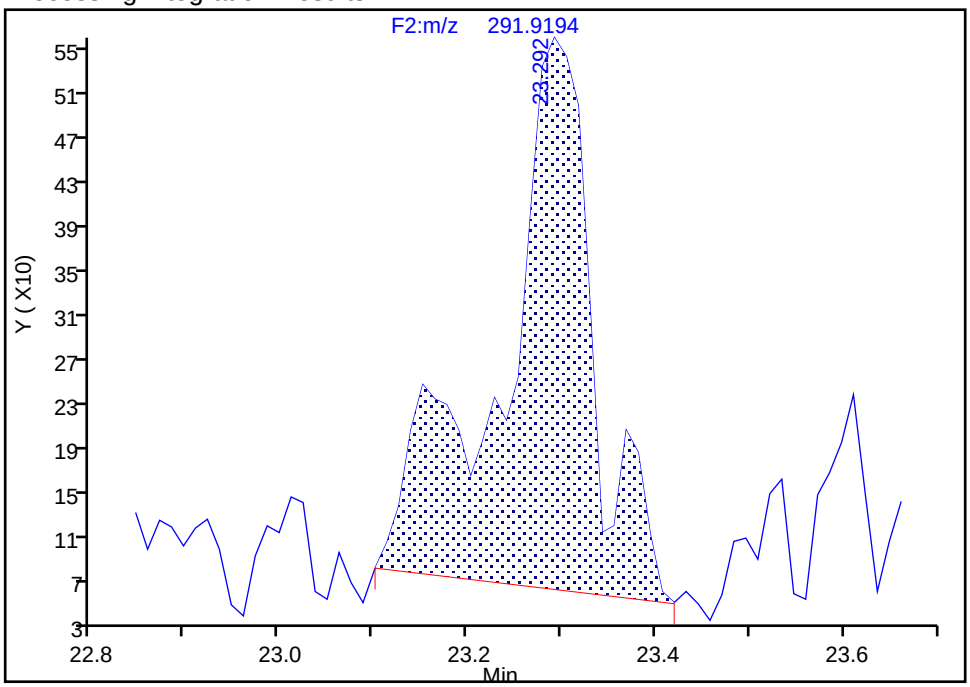
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

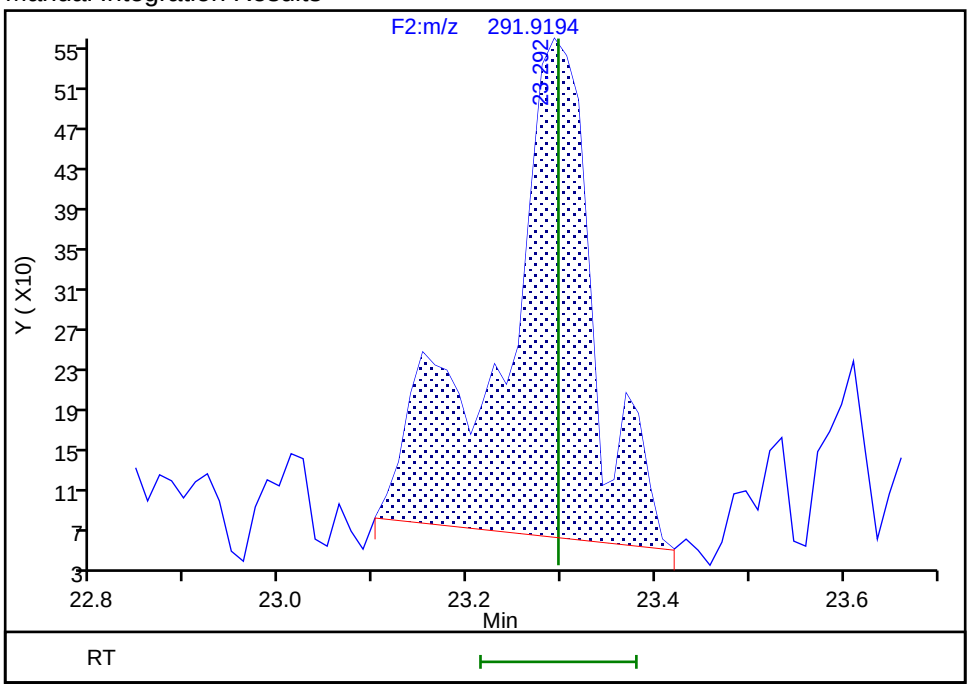
Processing Integration Results

RT: 23.29
Area: 3430
Amount: 0.153792
Amount Units: pg/ul




Manual Integration Results

RT: 23.29
Area: 3430
Amount: 0.143305
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:07:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

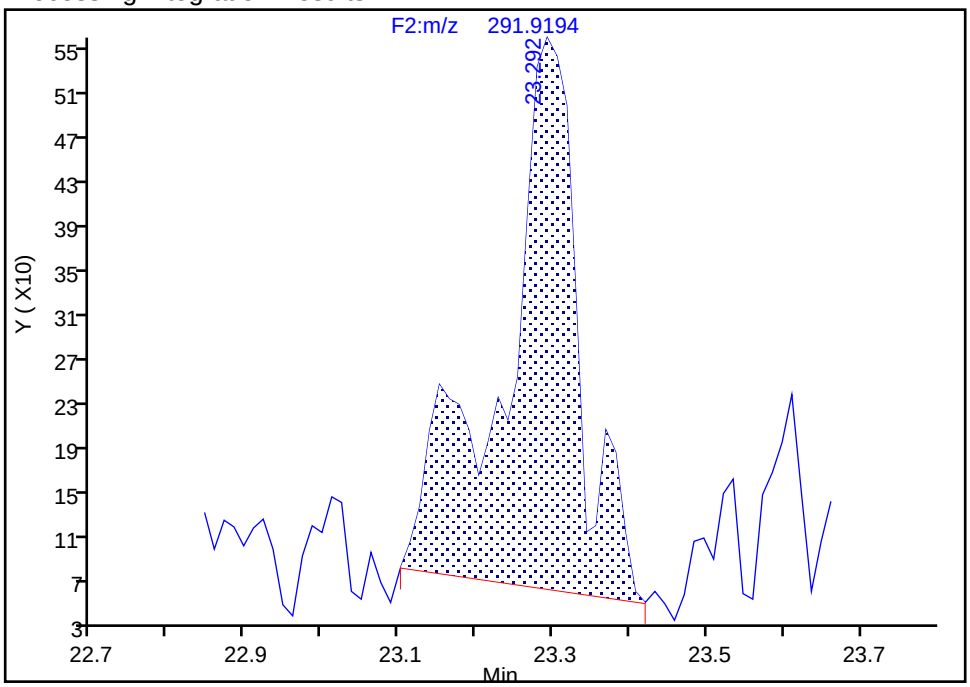
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.31
Area: 5250
Amount: 0.153792
Amount Units: pg/ul




Manual Integration Results

RT: 23.31
Area: 4892
Amount: 0.143305
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:07:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

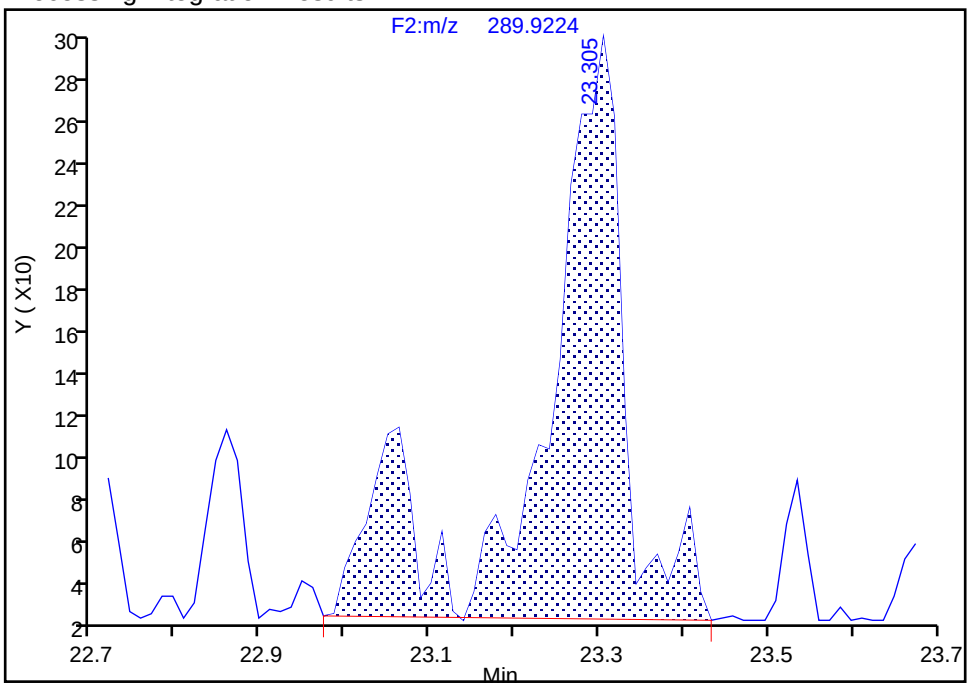
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

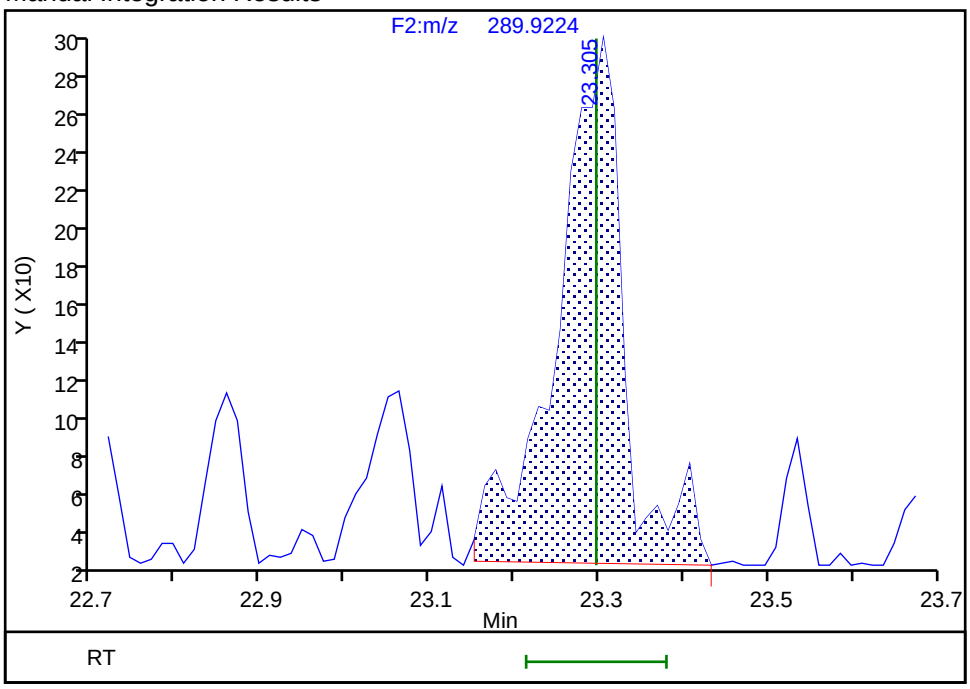
Processing Integration Results

RT: 23.31
Area: 1820
Amount: 0.153792
Amount Units: pg/ul




Manual Integration Results

RT: 23.31
Area: 1462
Amount: 0.143305
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:07:15

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

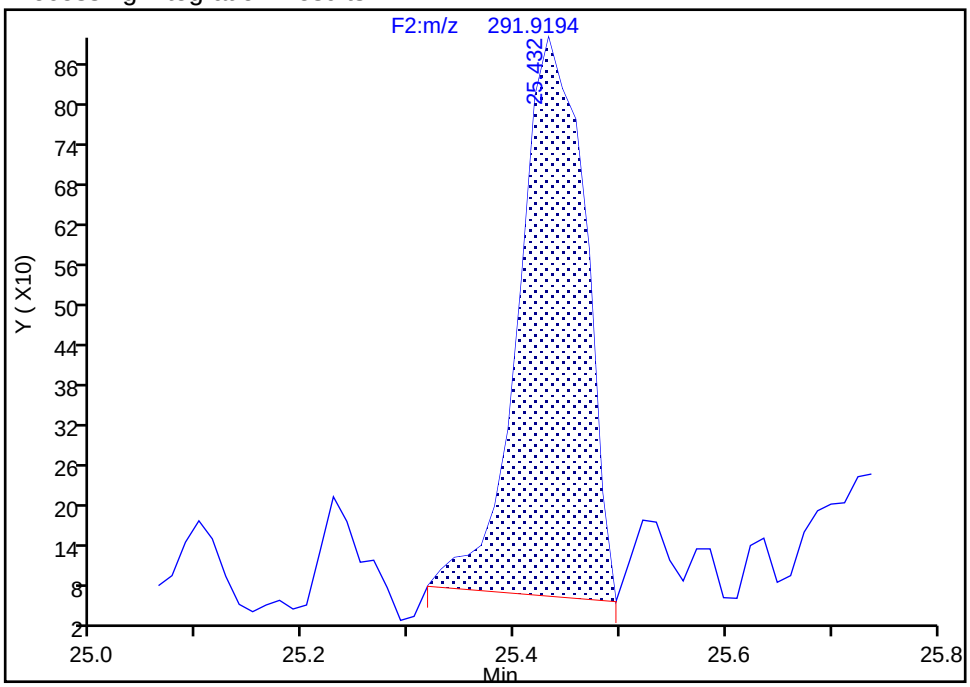
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 2

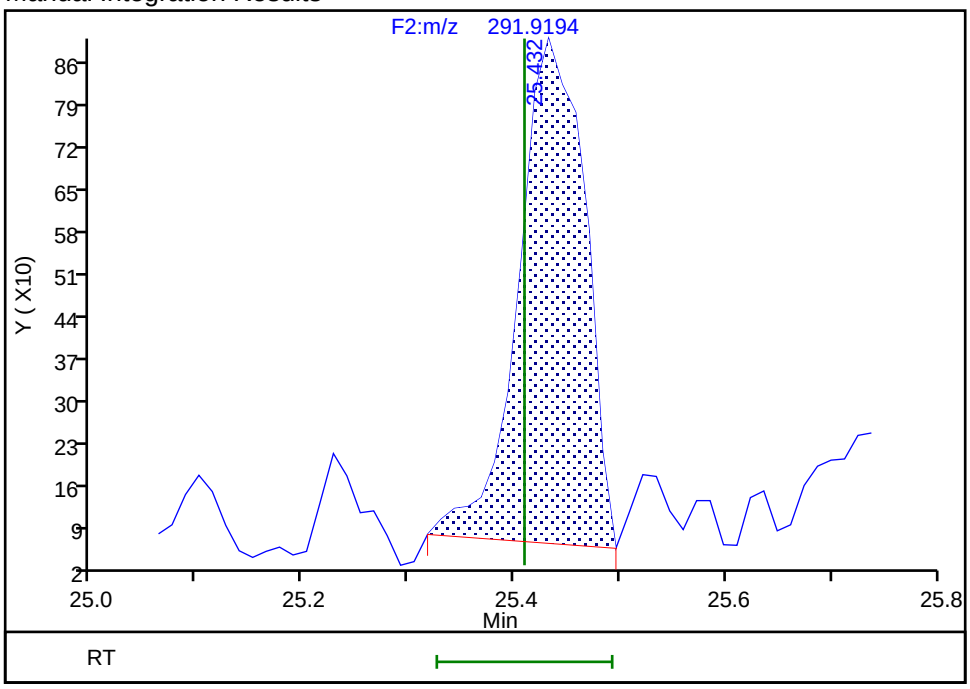
Processing Integration Results

RT: 25.43
Area: 3658
Amount: 0.111907
Amount Units: pg/ul




Manual Integration Results

RT: 25.43
Area: 3658
Amount: 0.140238
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:07:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

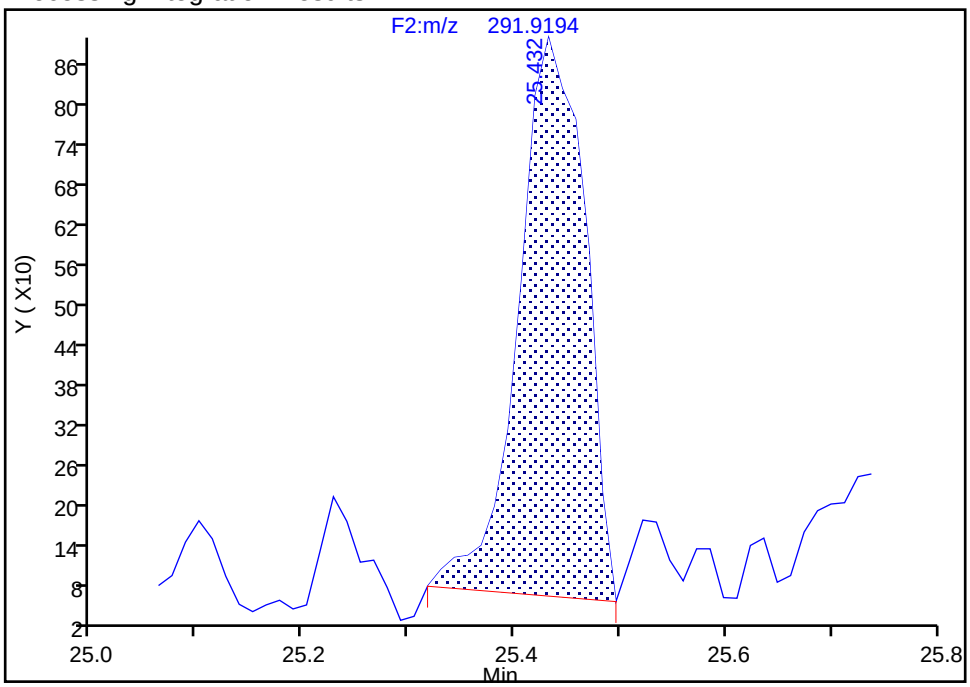
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 3

Processing Integration Results

RT: 25.42
Area: 4906
Amount: 0.111907
Amount Units: pg/ul




Manual Integration Results

RT: 25.46
Area: 6148
Amount: 0.140238
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:07:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

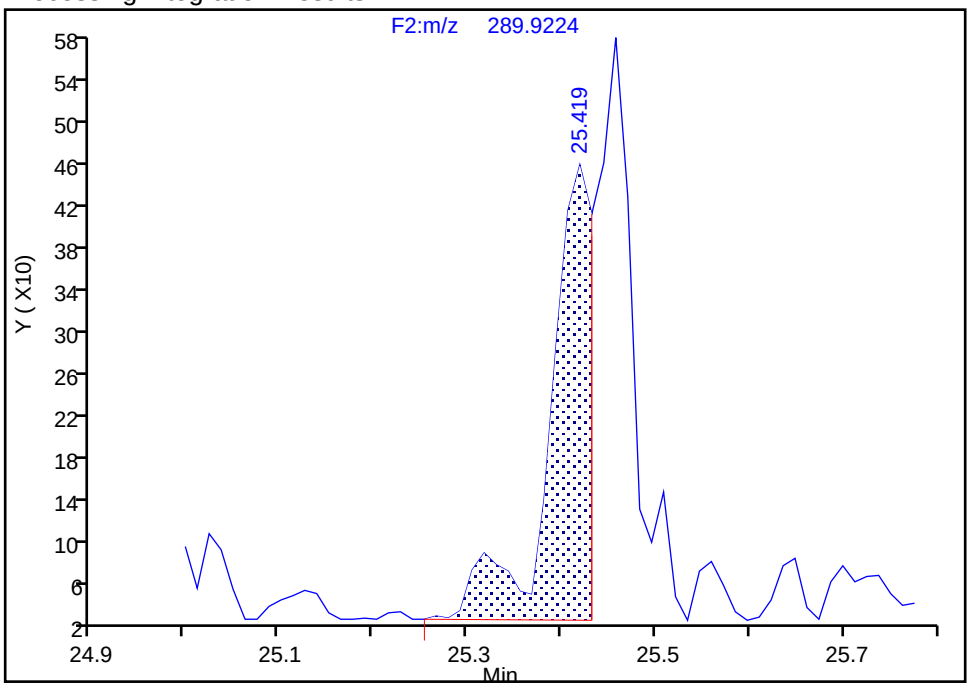
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 1

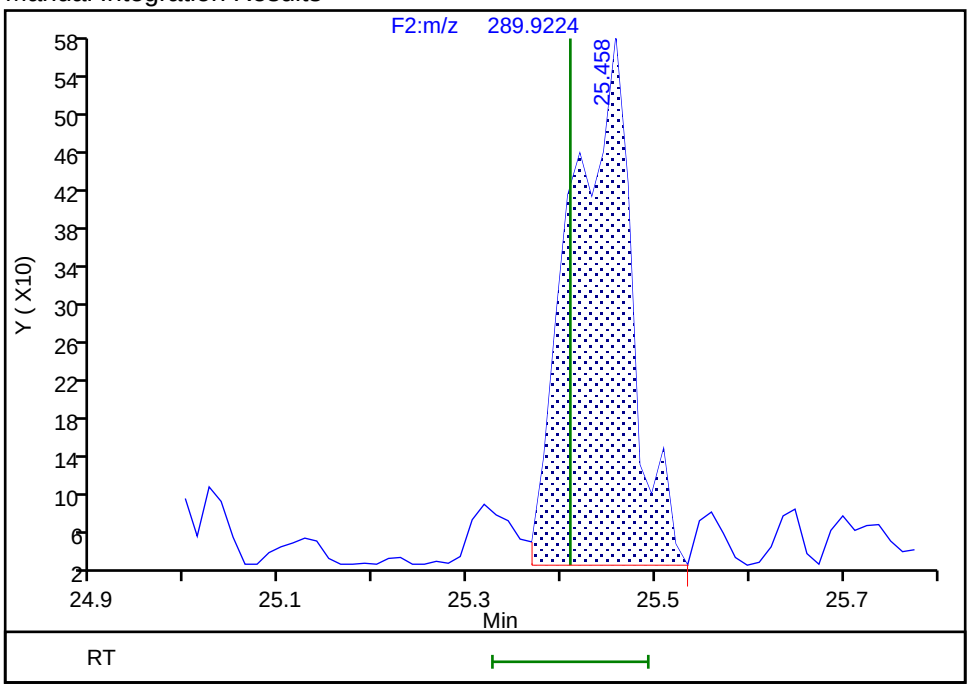
Processing Integration Results

RT: 25.42
Area: 1248
Amount: 0.111907
Amount Units: pg/ul




Manual Integration Results

RT: 25.46
Area: 2490
Amount: 0.140238
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:07:36

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

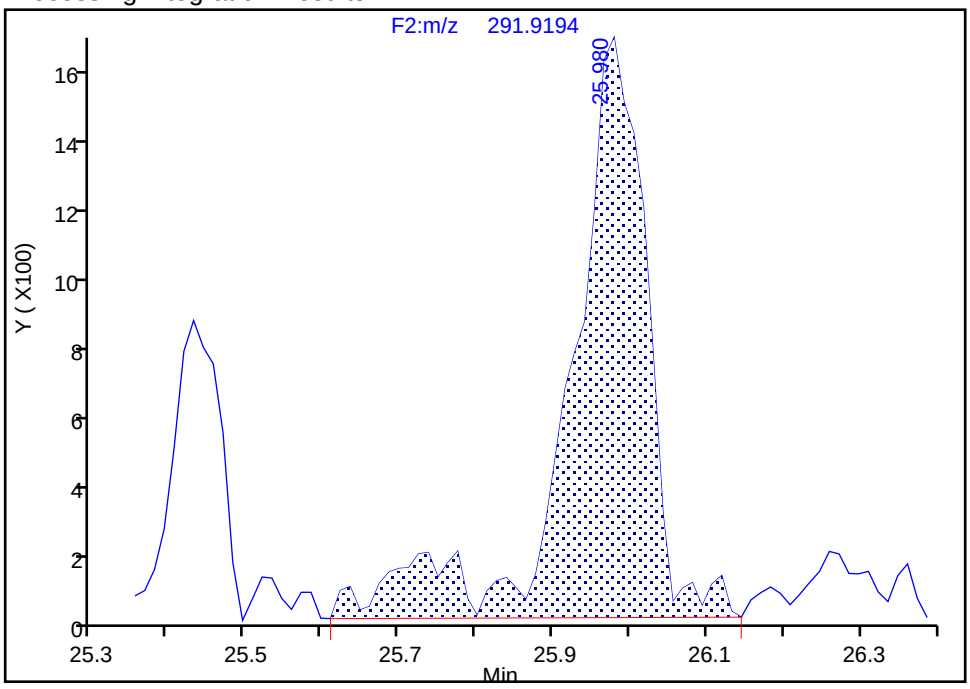
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-44/47/65, CAS: STL01803

Signal: 2

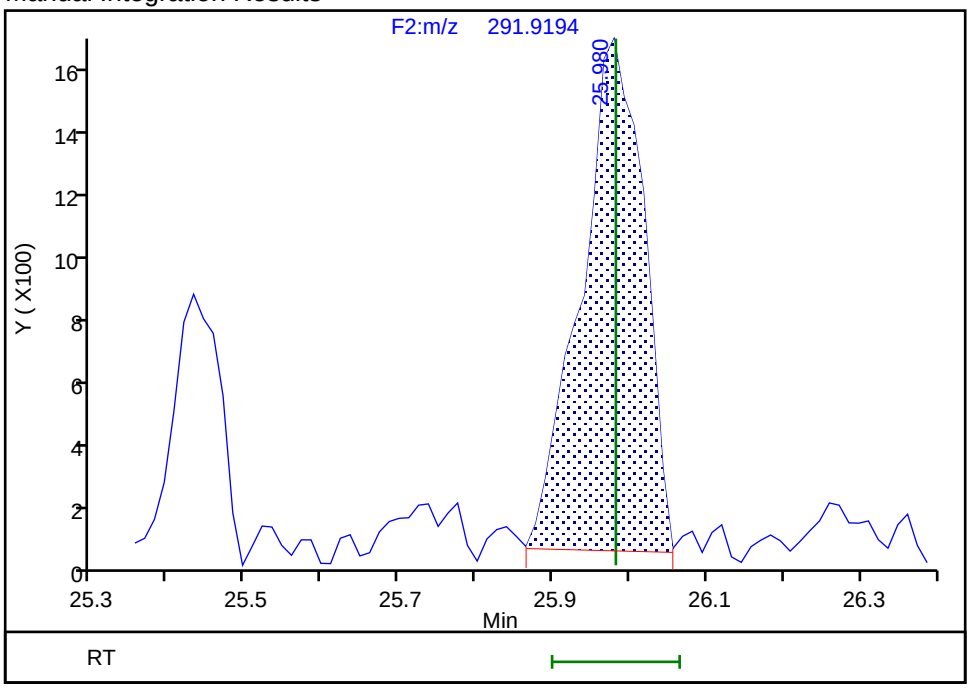
Processing Integration Results

RT: 25.98
Area: 11417
Amount: 0.463791
Amount Units: pg/ul




Manual Integration Results

RT: 25.98
Area: 9078
Amount: 0.405048
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:07:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

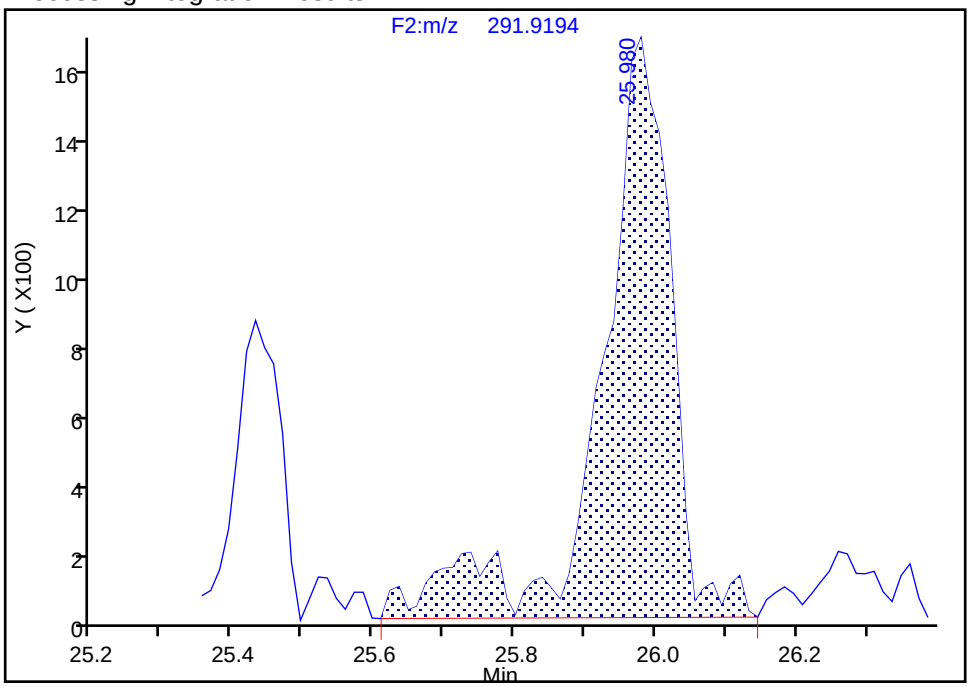
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-44/47/65, CAS: STL01803

Signal: 3

Processing Integration Results

RT: 25.99
Area: 18467
Amount: 0.463791
Amount Units: pg/ul




Manual Integration Results

RT: 25.99
Area: 16128
Amount: 0.405048
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:07:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

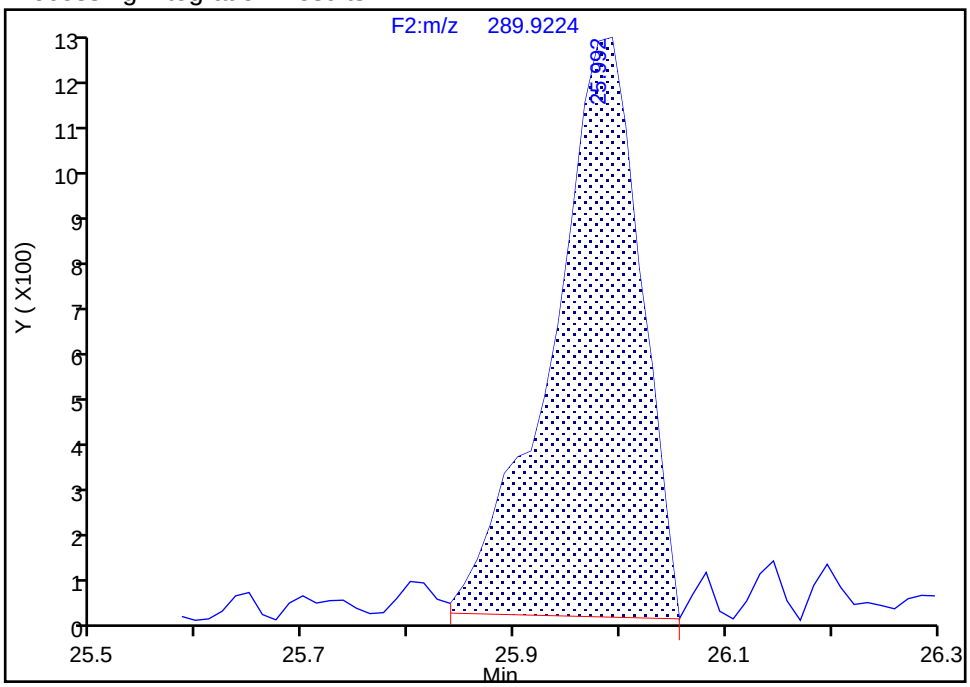
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-44/47/65, CAS: STL01803

Signal: 1

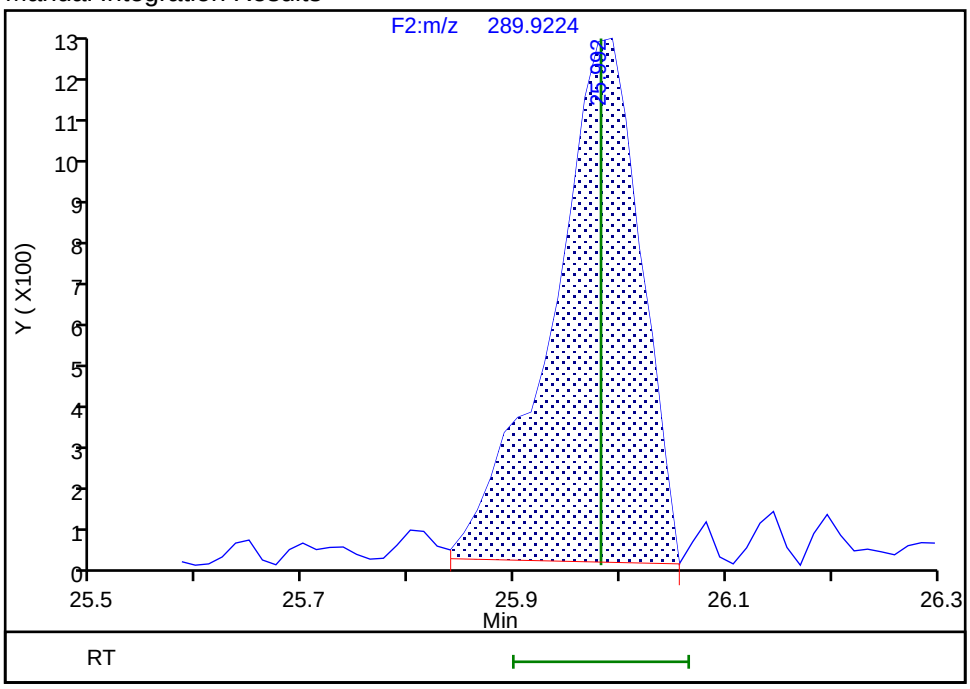
Processing Integration Results

RT: 25.99
Area: 7050
Amount: 0.463791
Amount Units: pg/ul




Manual Integration Results

RT: 25.99
Area: 7050
Amount: 0.405048
Amount Units: pg/ul



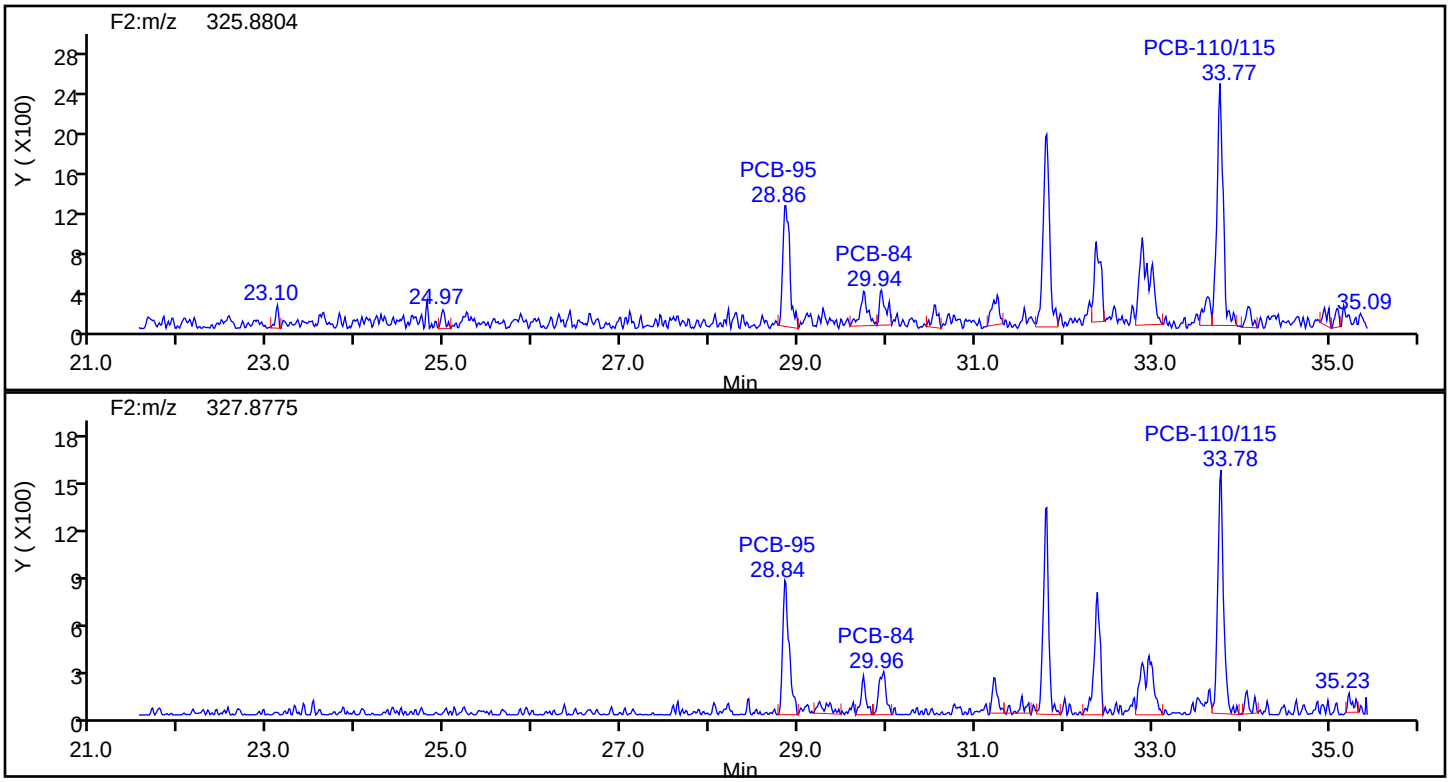

Reviewer: mcwhirterl, 09-Oct-2019 19:07:49
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 09-Oct-2019 23:16:05 Chrom Revision: 2.3 17-Sep-2019 16:19:08

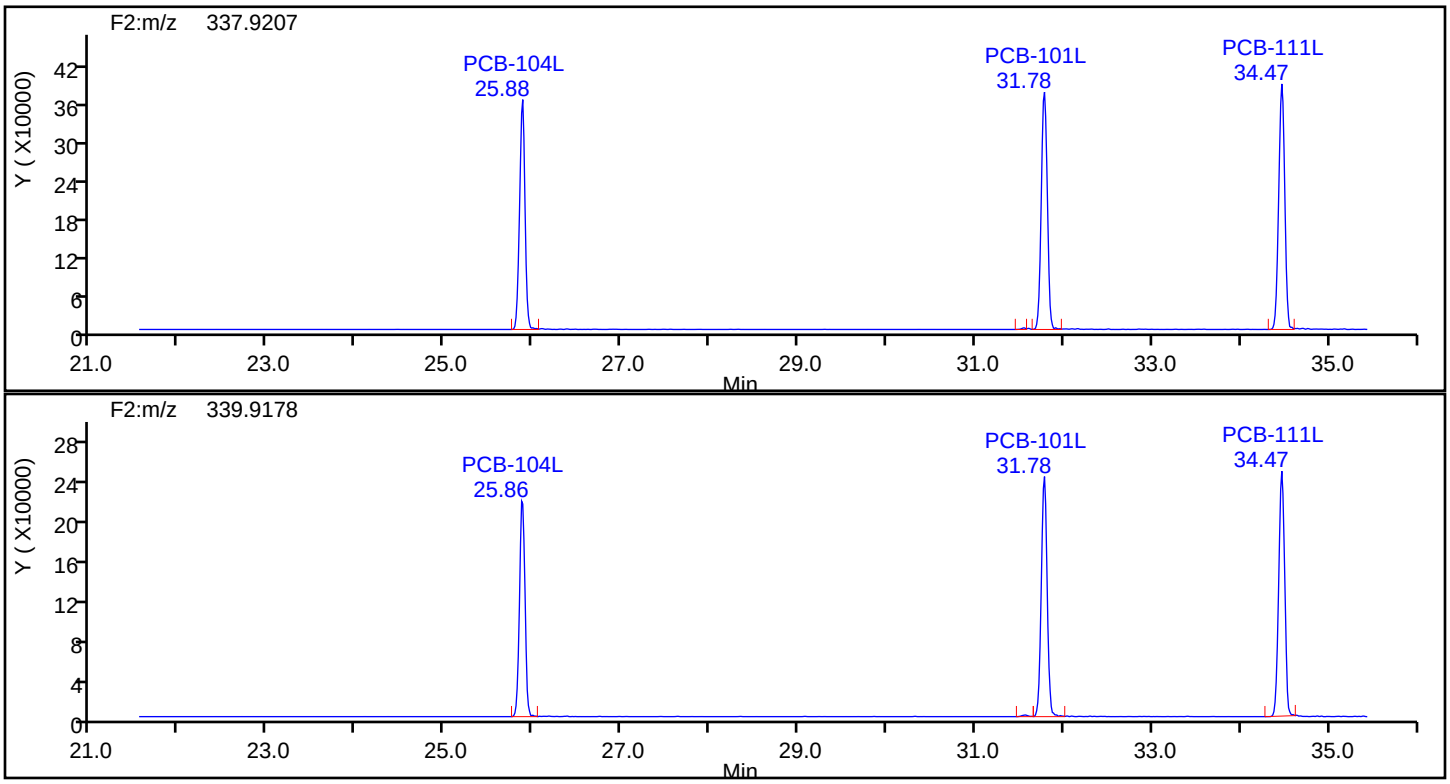
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



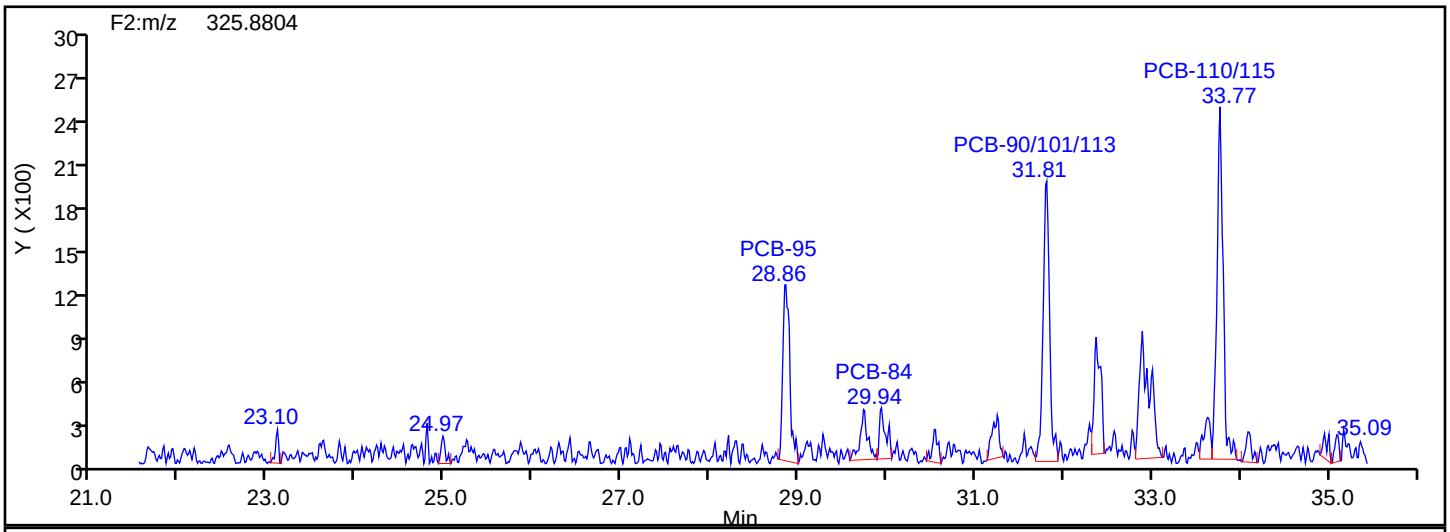

PePCB F2 Standards

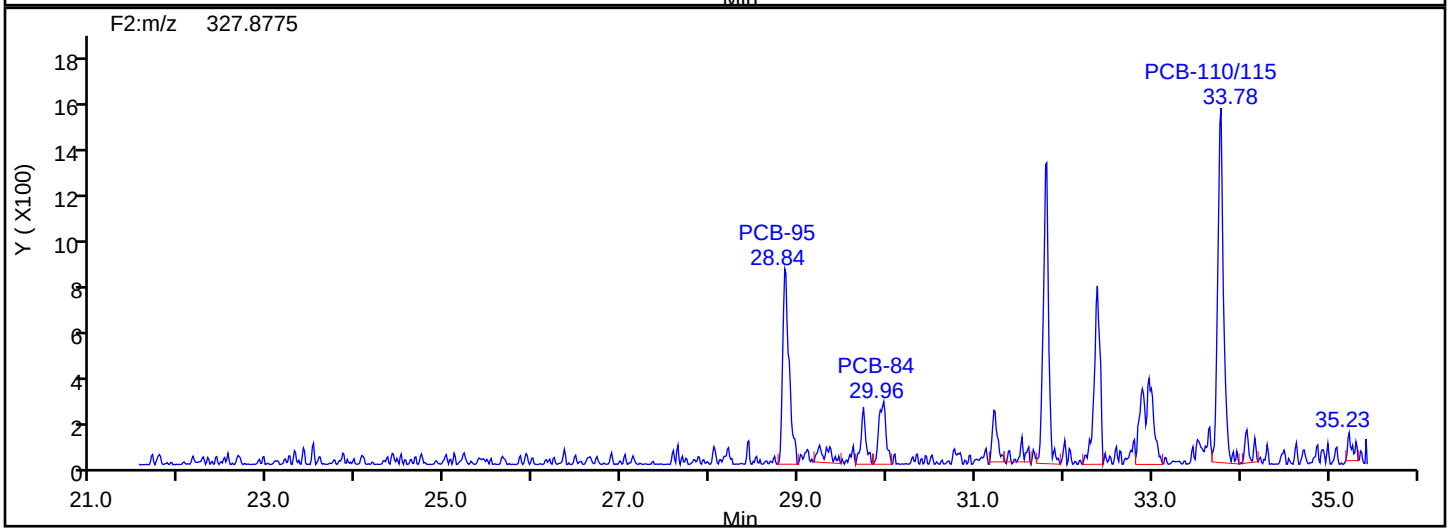


Eurofins TestAmerica, Knoxville

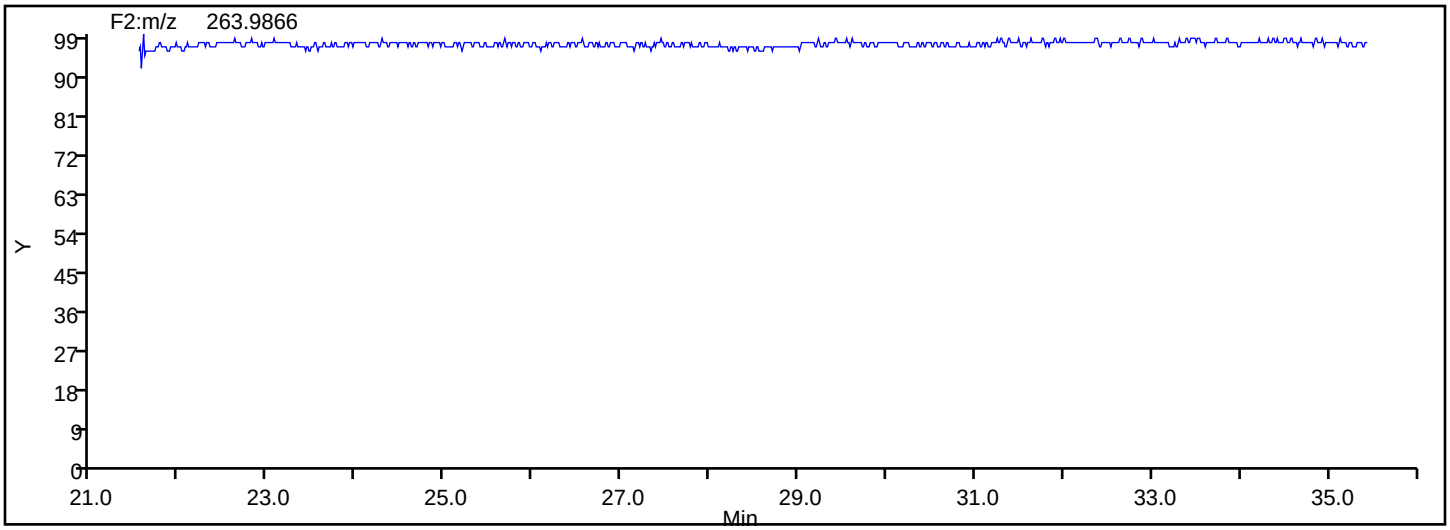
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

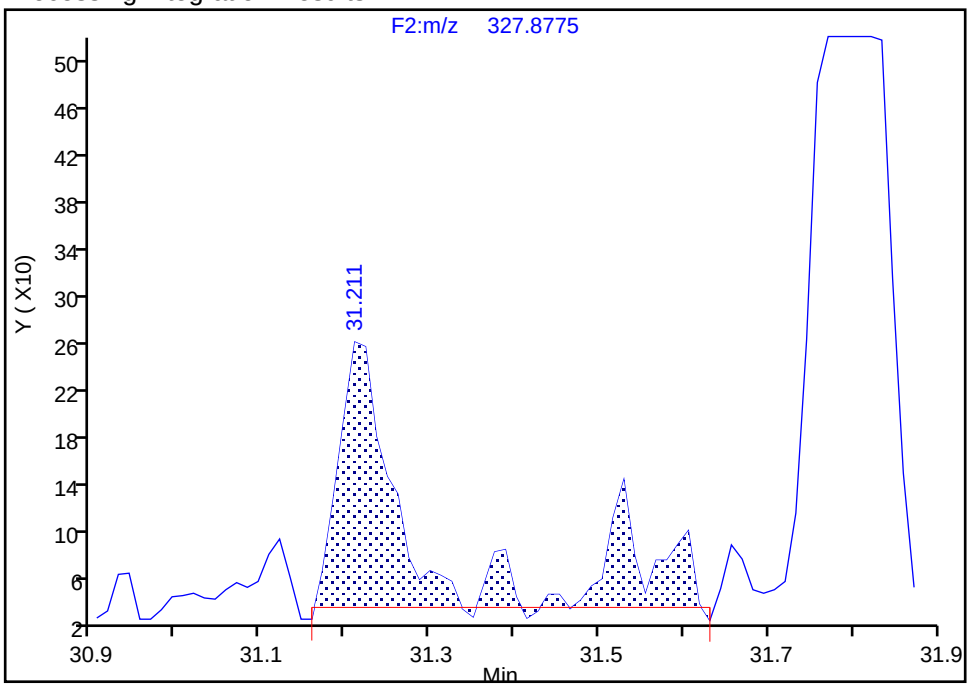
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-92, CAS: 52663-61-3

Signal: 2

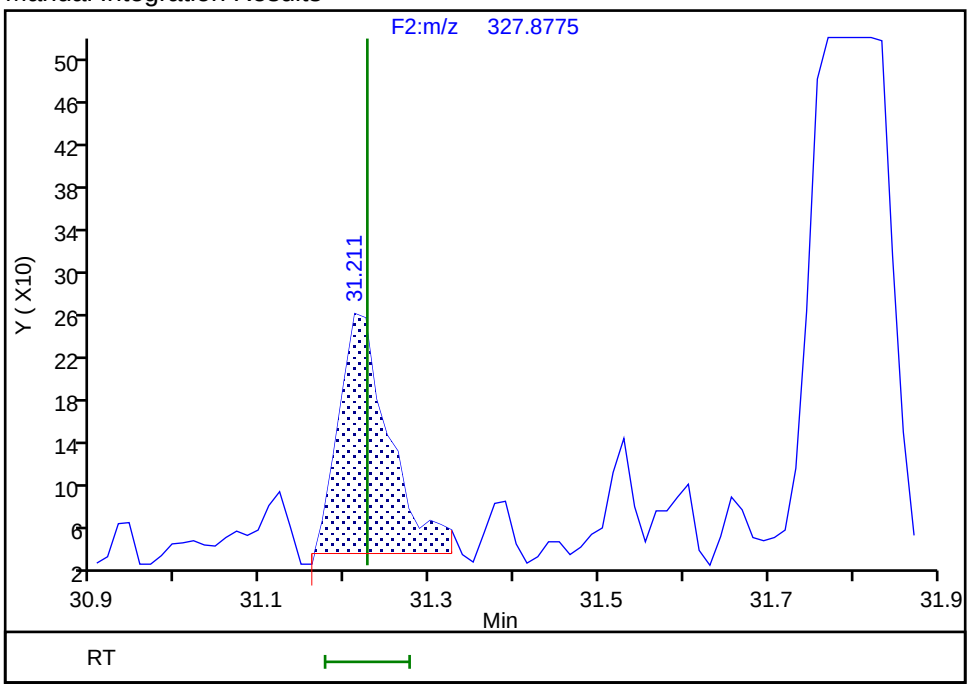
Processing Integration Results

RT: 31.21
Area: 1396
Amount: 0.128529
Amount Units: pg/ul




Manual Integration Results

RT: 31.21
Area: 924
Amount: 0.108540
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:08:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

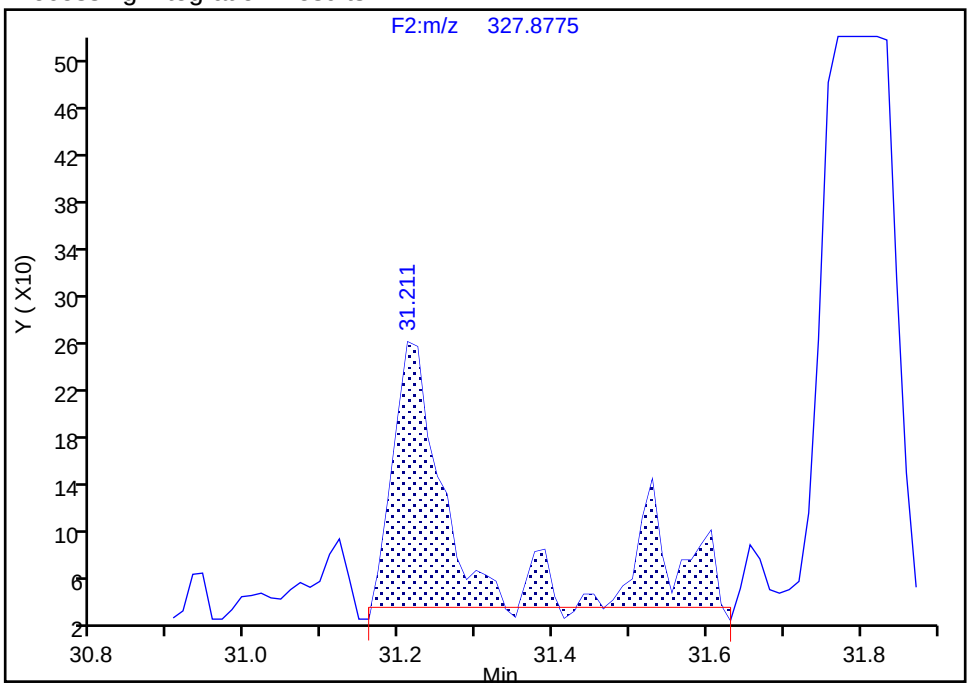
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 3

Processing Integration Results

RT: 31.25
Area: 3035
Amount: 0.128529
Amount Units: pg/ul




Manual Integration Results

RT: 31.25
Area: 2563
Amount: 0.108540
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:08:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

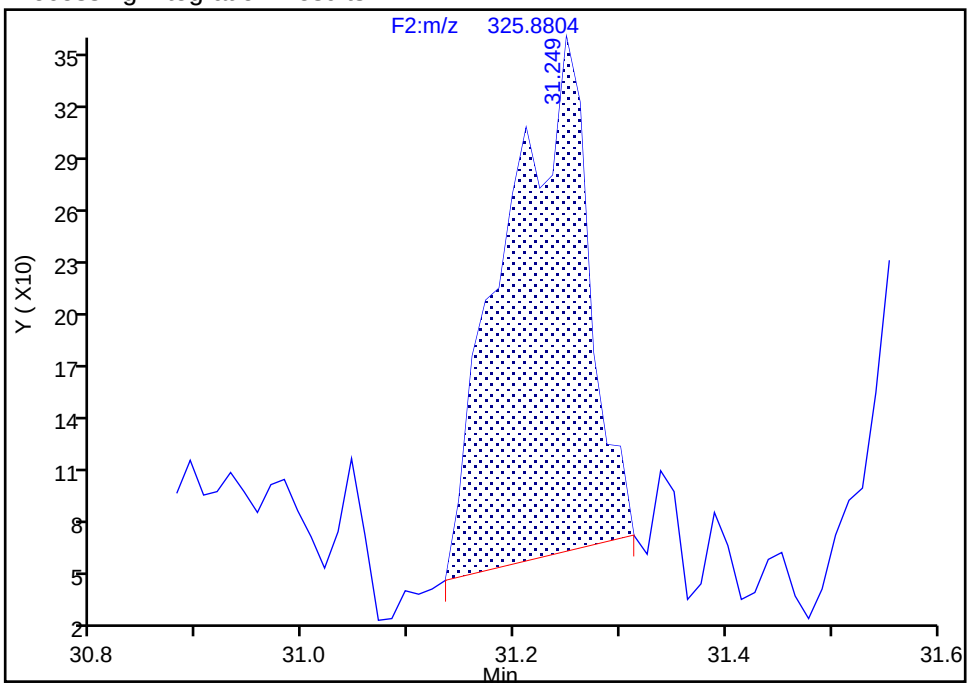
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-92, CAS: 52663-61-3

Signal: 1

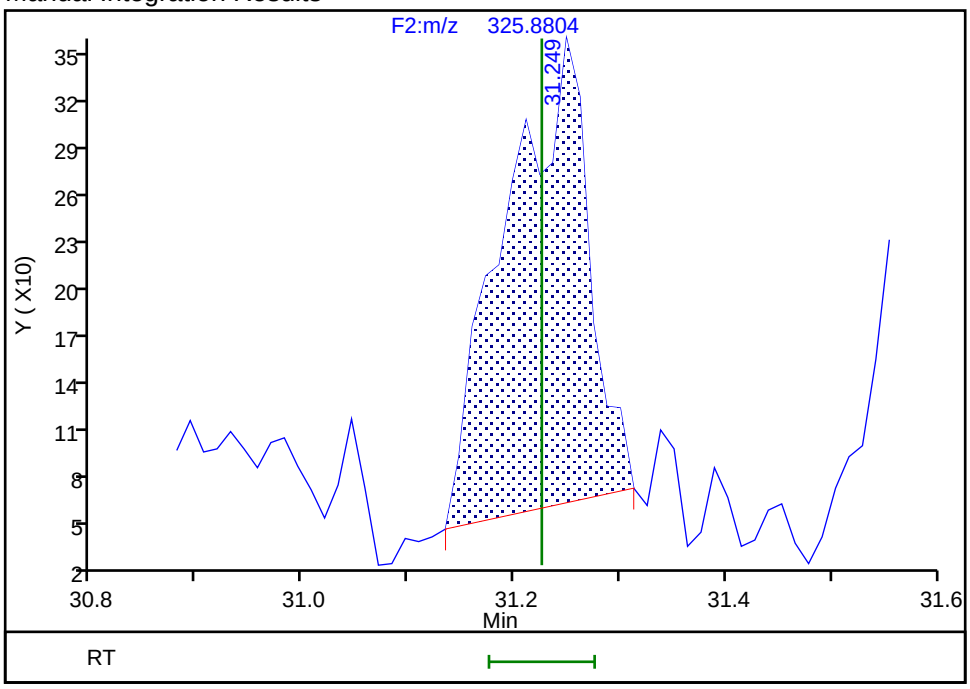
Processing Integration Results

RT: 31.25
Area: 1639
Amount: 0.128529
Amount Units: pg/ul




Manual Integration Results

RT: 31.25
Area: 1639
Amount: 0.108540
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:08:29

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

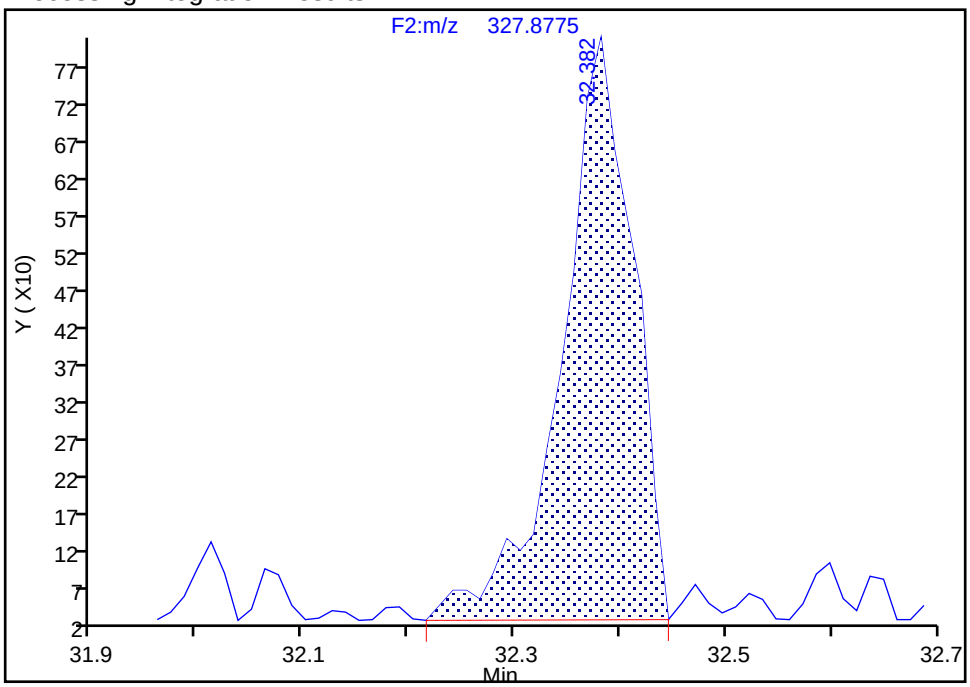
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 2

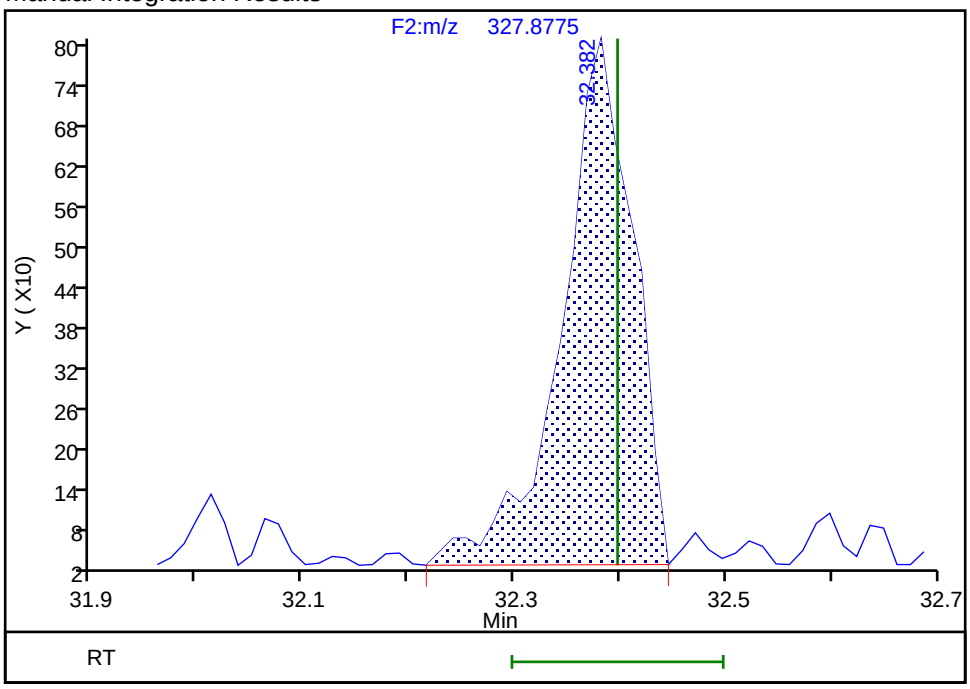
Processing Integration Results

RT: 32.38
Area: 3645
Amount: 0.412990
Amount Units: pg/ul




Manual Integration Results

RT: 32.38
Area: 3645
Amount: 0.333916
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:08:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

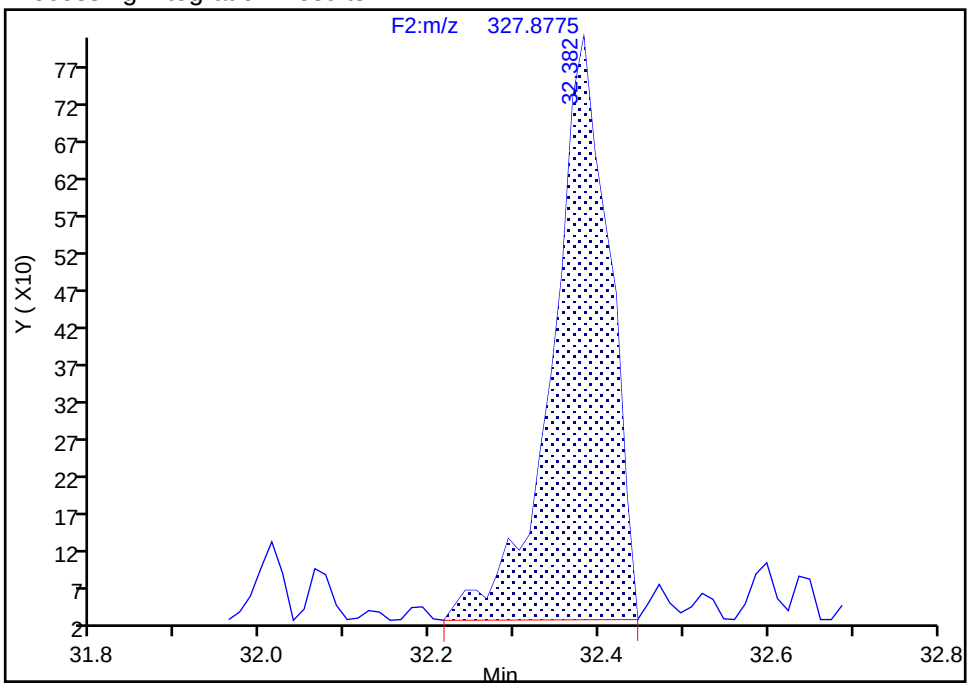
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-83/99, CAS: STL01809

Signal: 3

Processing Integration Results

RT: 32.37
Area: 9610
Amount: 0.412990
Amount Units: pg/ul




Manual Integration Results

RT: 32.37
Area: 7770
Amount: 0.333916
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:08:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

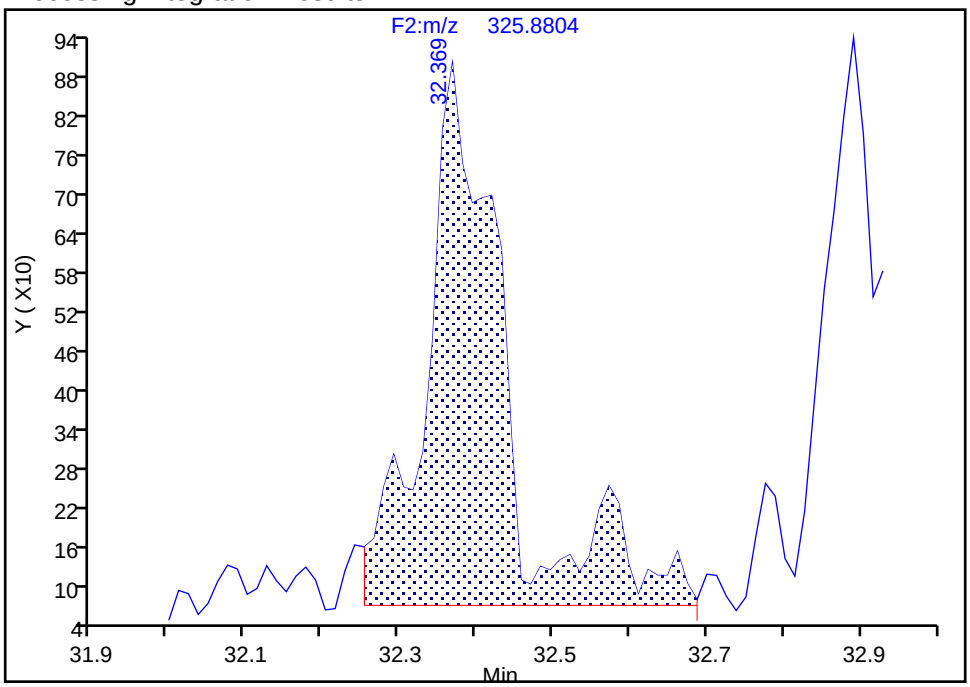
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-83/99, CAS: STL01809

Signal: 1

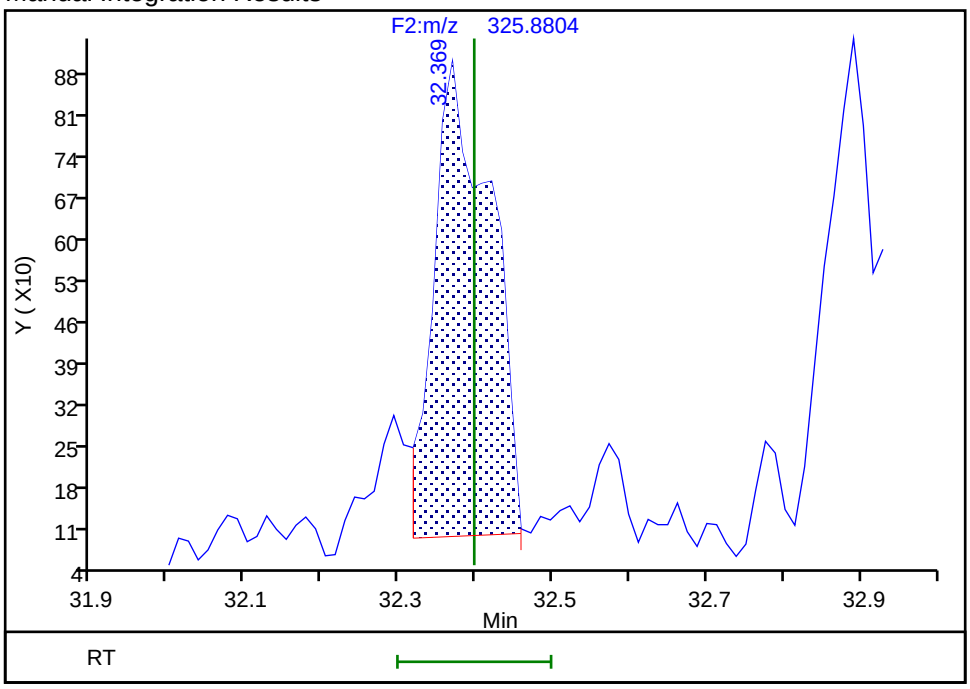
Processing Integration Results

RT: 32.37
Area: 5965
Amount: 0.412990
Amount Units: pg/ul




Manual Integration Results

RT: 32.37
Area: 4125
Amount: 0.333916
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:08:58

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

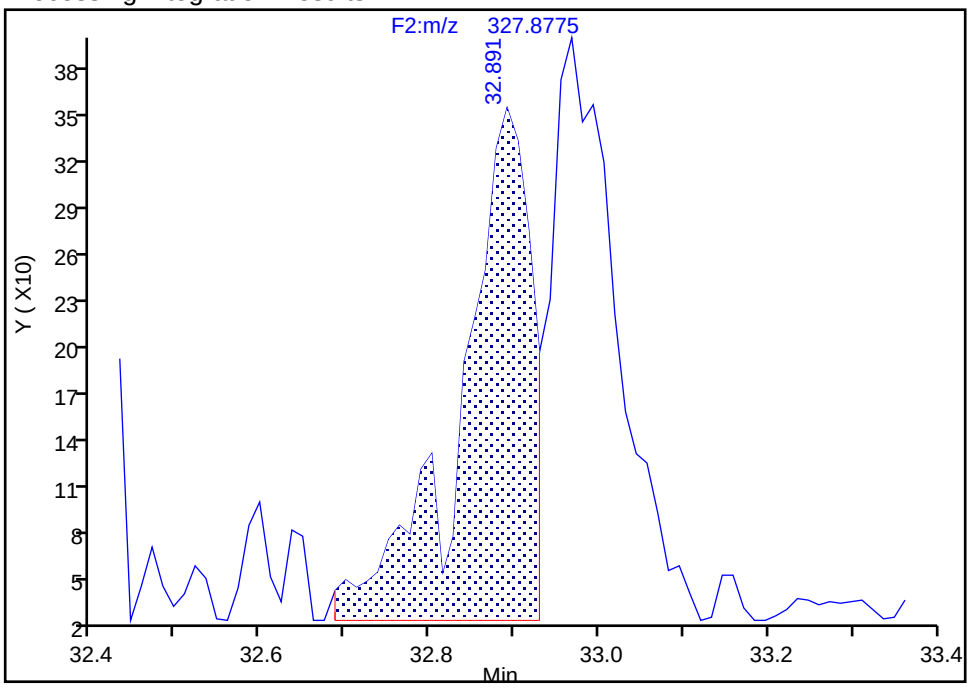
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

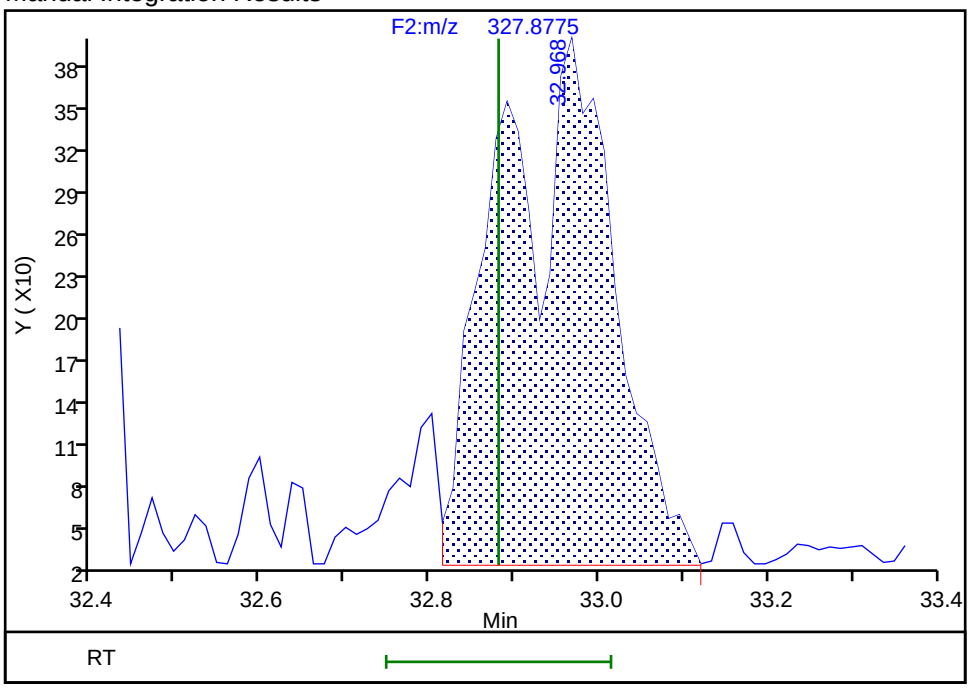
Processing Integration Results

RT: 32.89
Area: 1856
Amount: 0.224964
Amount Units: pg/ul




Manual Integration Results

RT: 32.97
Area: 3517
Amount: 0.358984
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:09:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

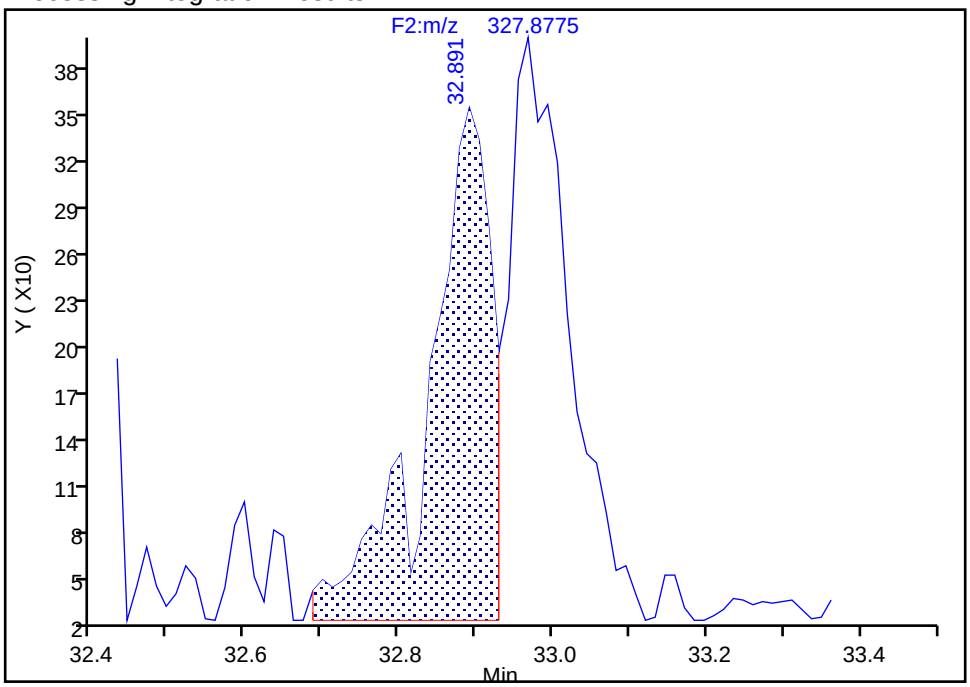
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 3

Processing Integration Results

RT: 32.89
Area: 6664
Amount: 0.224964
Amount Units: pg/ul




Manual Integration Results

RT: 32.89
Area: 10634
Amount: 0.358984
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:09:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

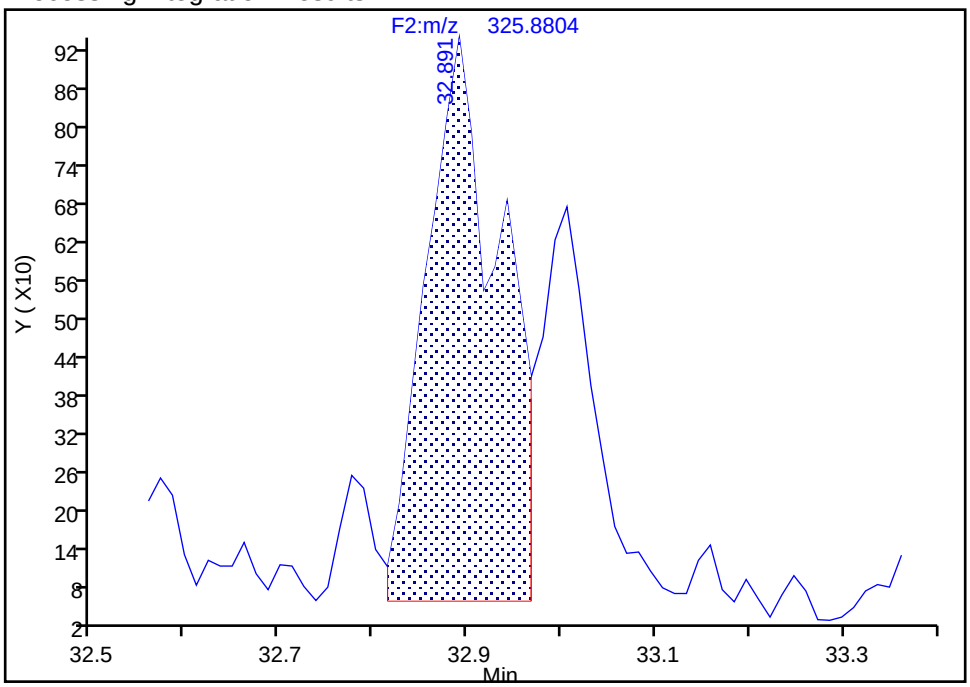
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

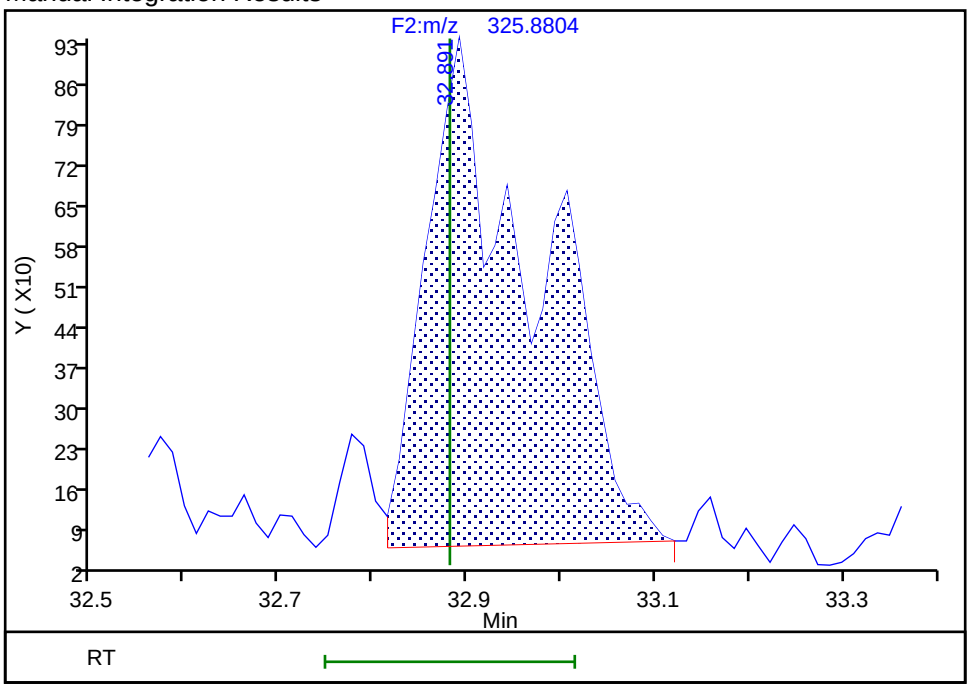
Processing Integration Results

RT: 32.89
Area: 4808
Amount: 0.224964
Amount Units: pg/ul




Manual Integration Results

RT: 32.89
Area: 7117
Amount: 0.358984
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:09:20

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

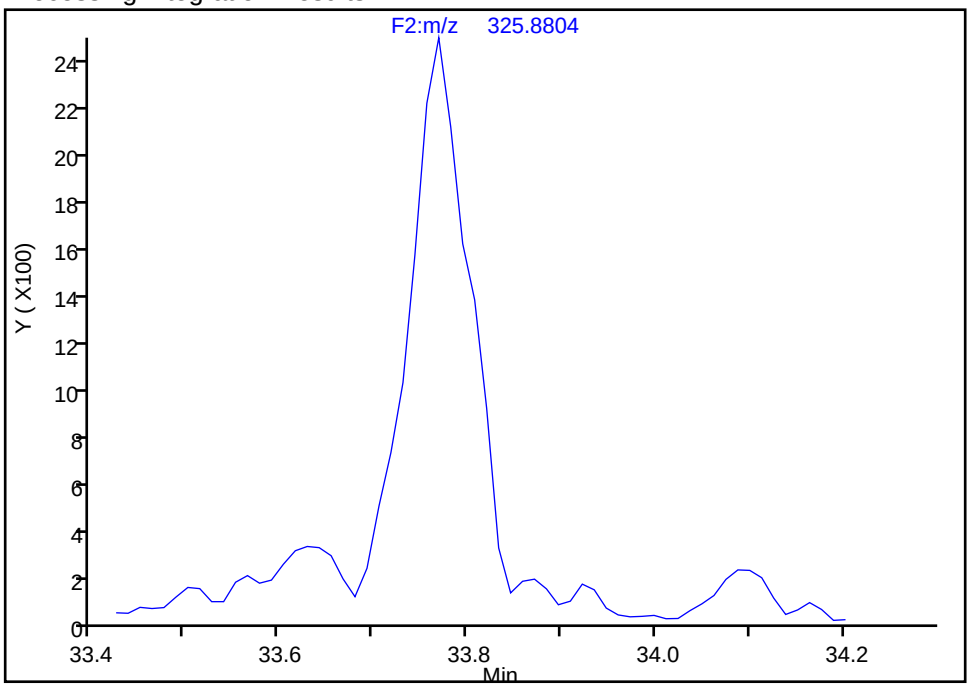
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-110/115, CAS: STL01826

Signal: 1

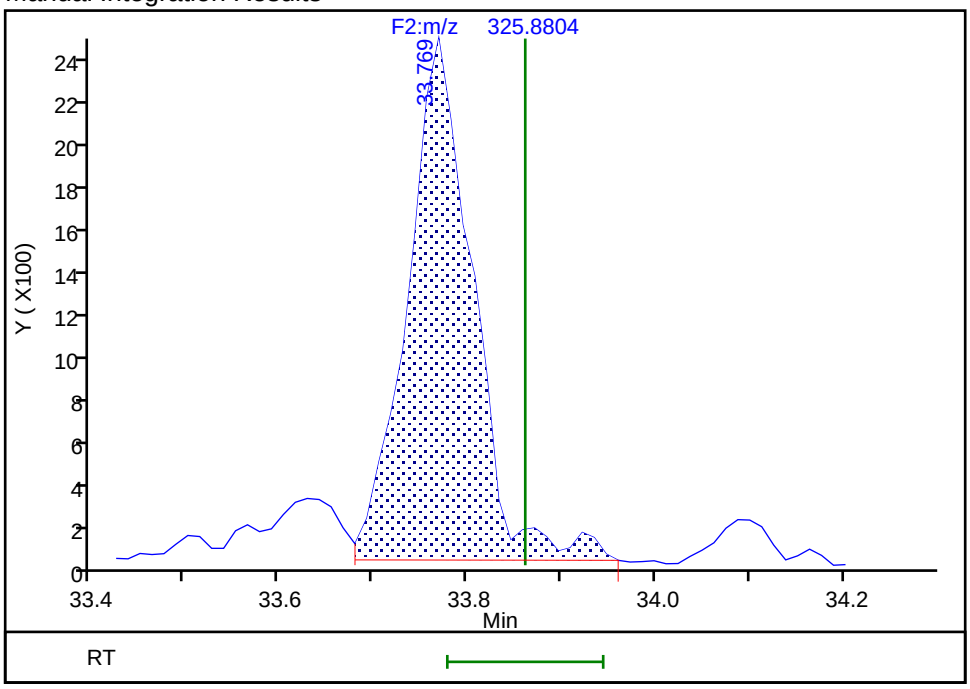
Not Detected
Expected RT: 33.86

Processing Integration Results




Manual Integration Results

RT: 33.77
Area: 11793
Amount: 0.562415
Amount Units: pg/ul

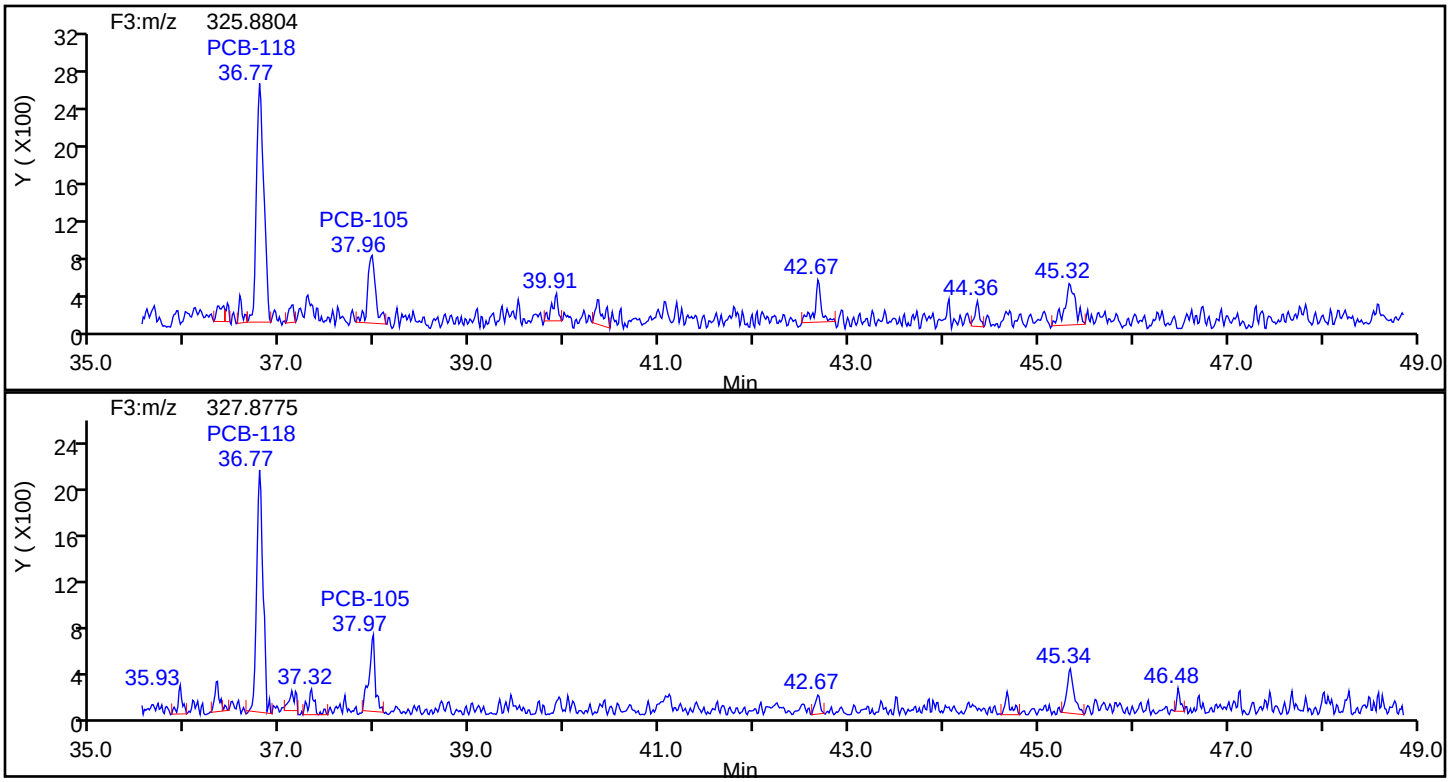



Reviewer: mcwhirterl, 09-Oct-2019 19:09:26
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

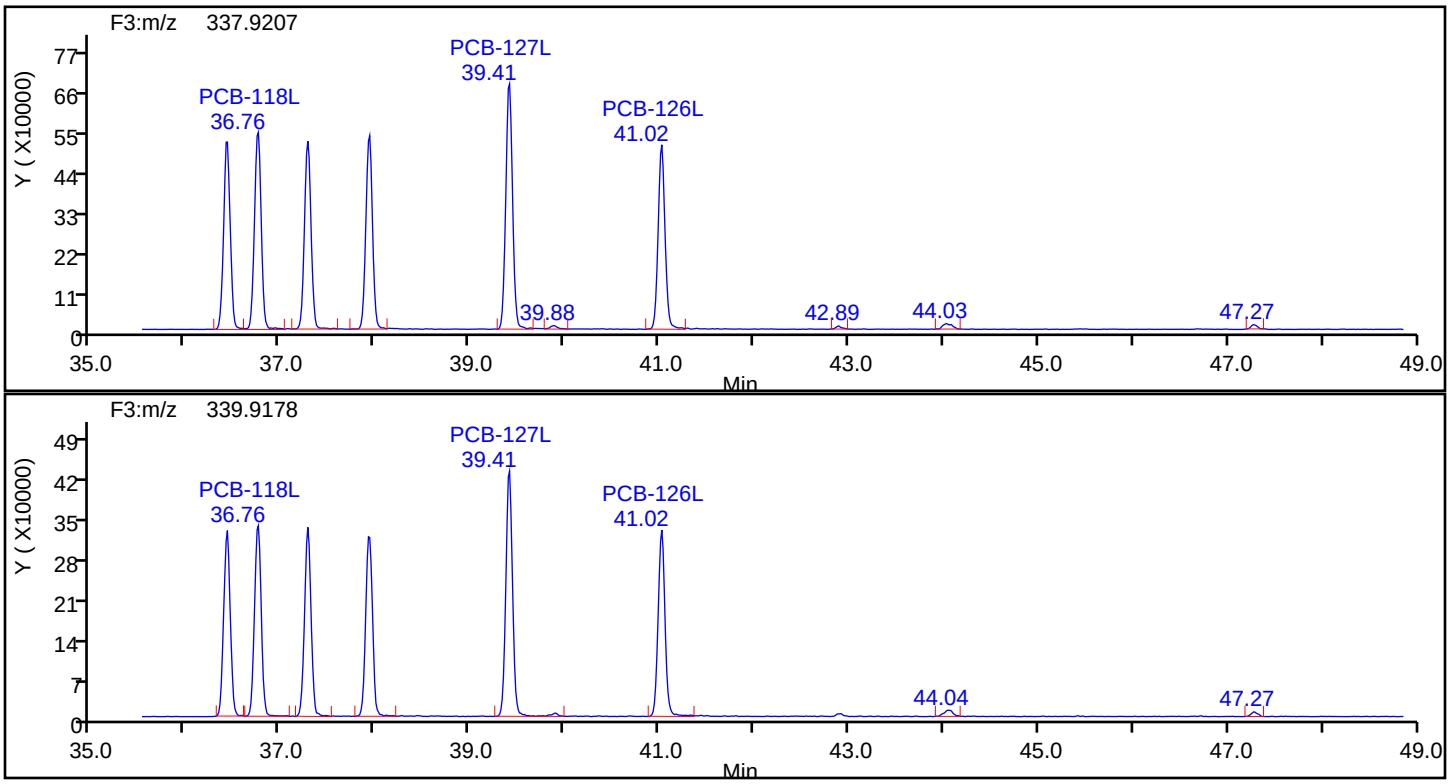
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



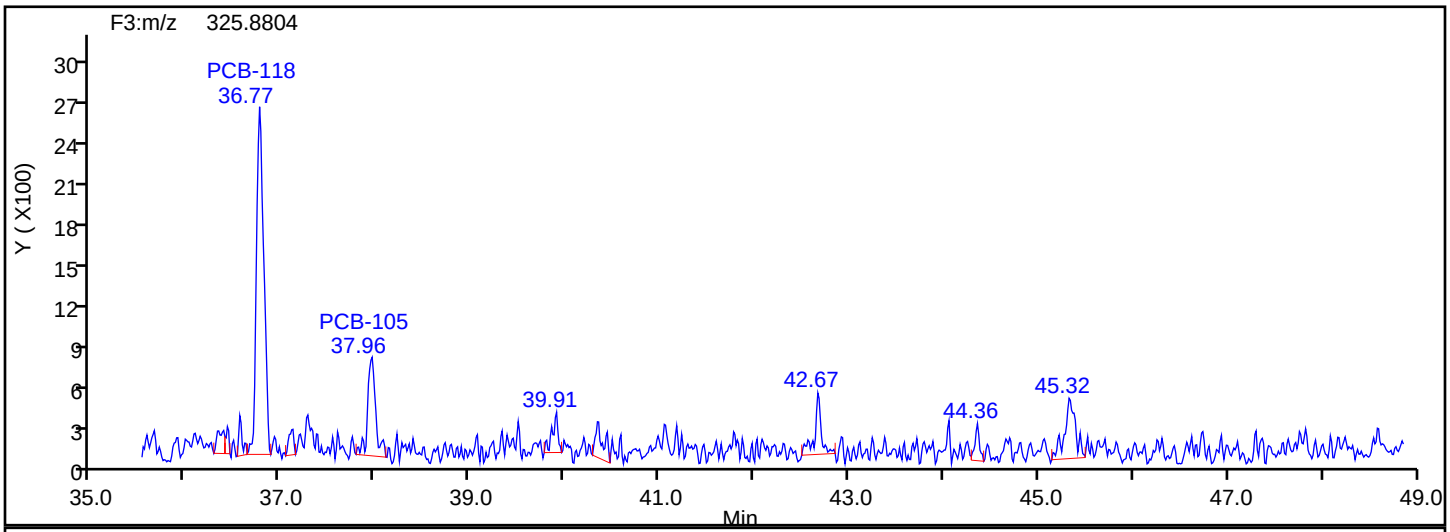

PePCB F3 Standards

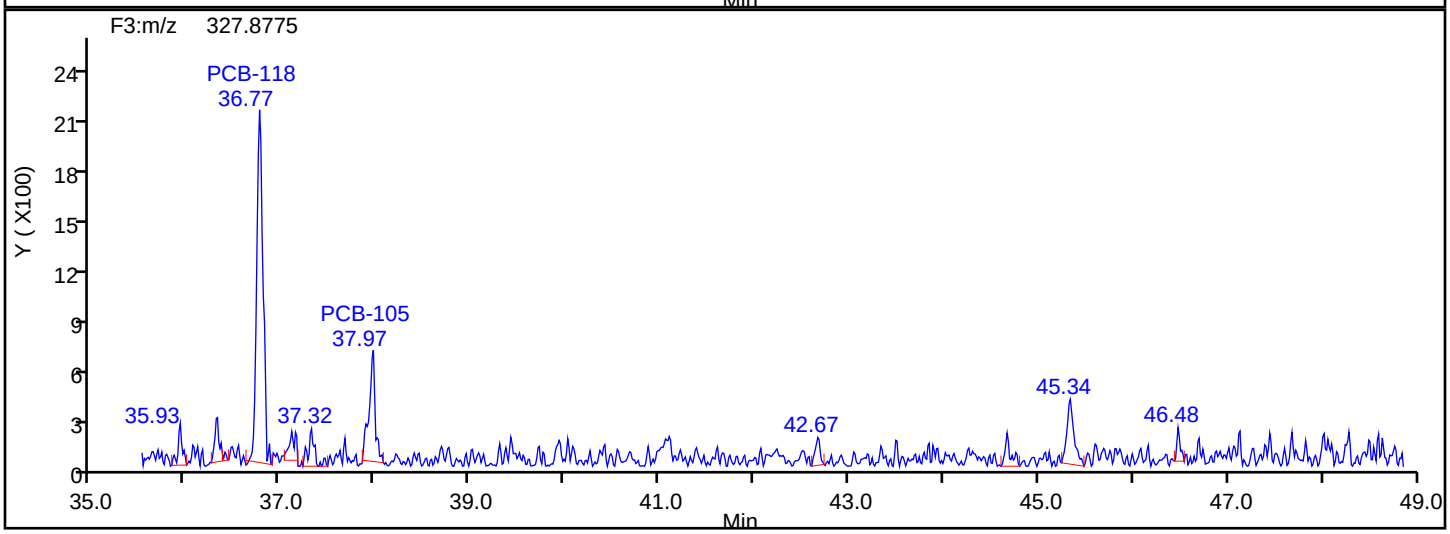


Eurofins TestAmerica, Knoxville

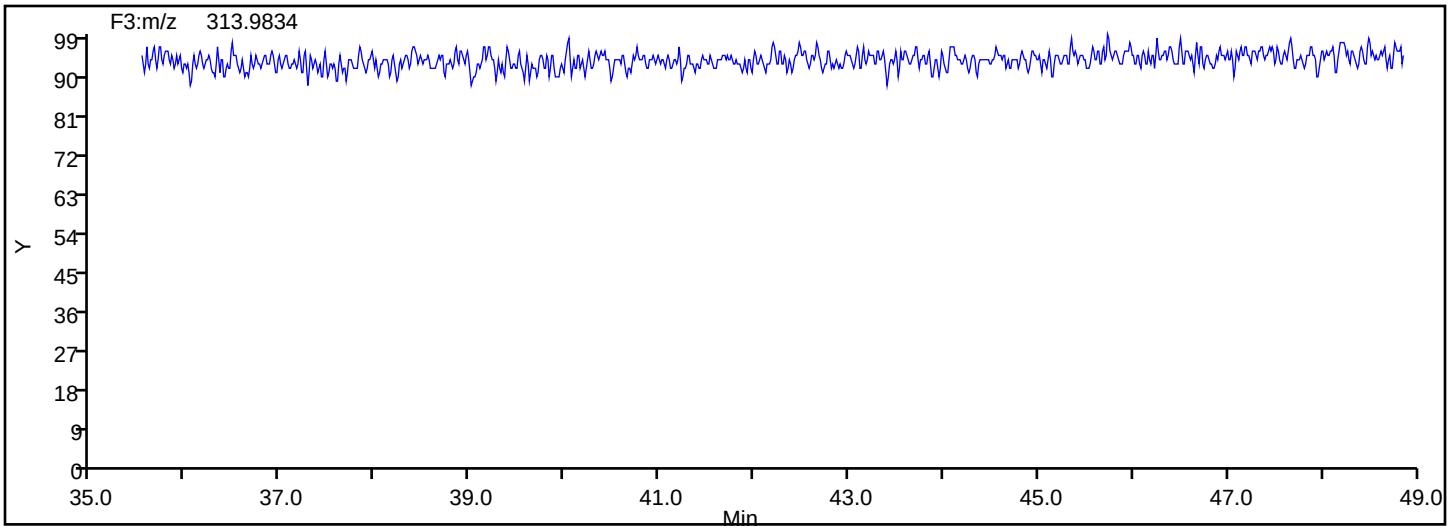
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

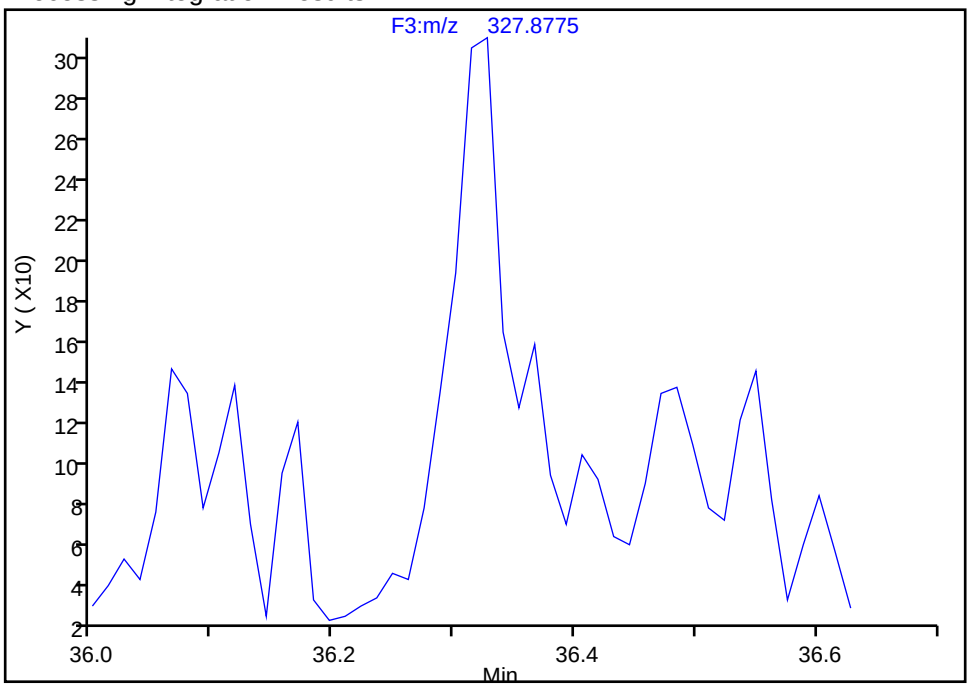
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 2

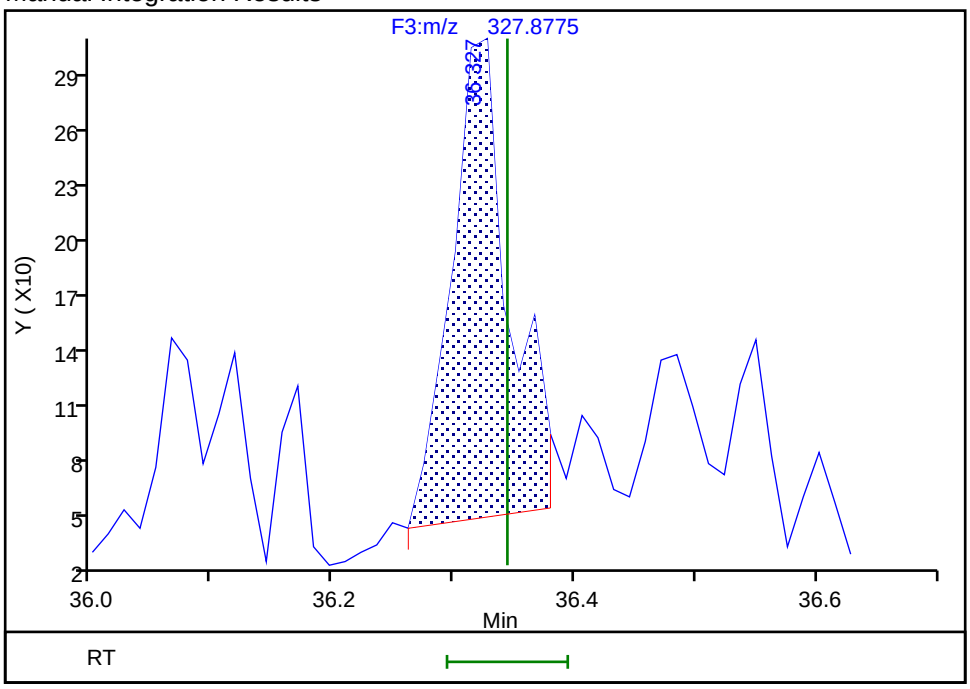
Not Detected
Expected RT: 36.34

Processing Integration Results




Manual Integration Results

RT: 36.33
Area: 860
Amount: 0.030250
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:10:11
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

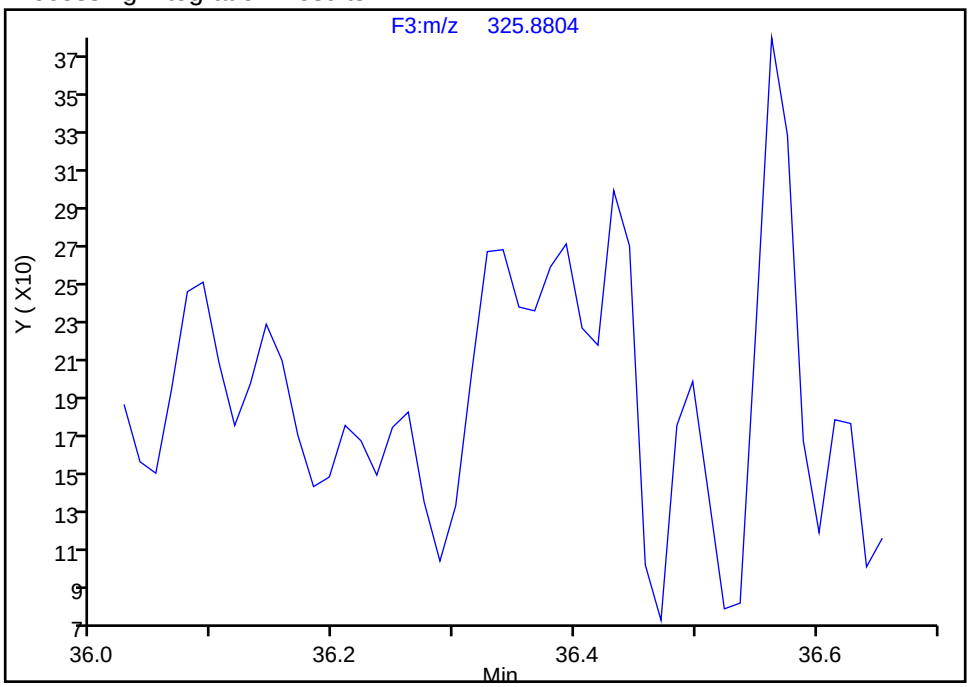
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-107, CAS: 70424-68-9

Signal: 1

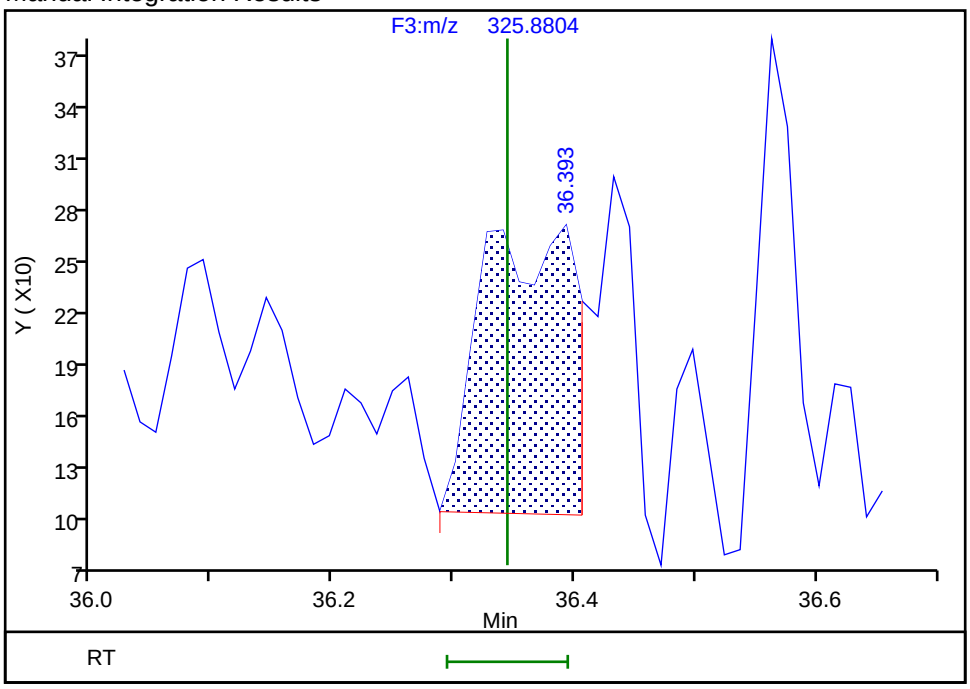
Not Detected
Expected RT: 36.34

Processing Integration Results




Manual Integration Results

RT: 36.39
Area: 868
Amount: 0.030250
Amount Units: pg/ul

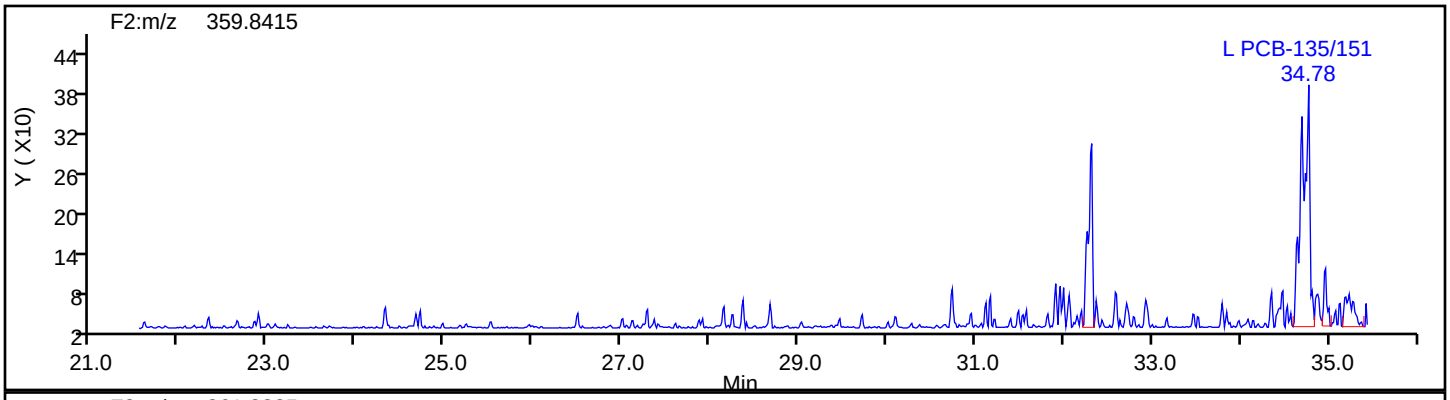


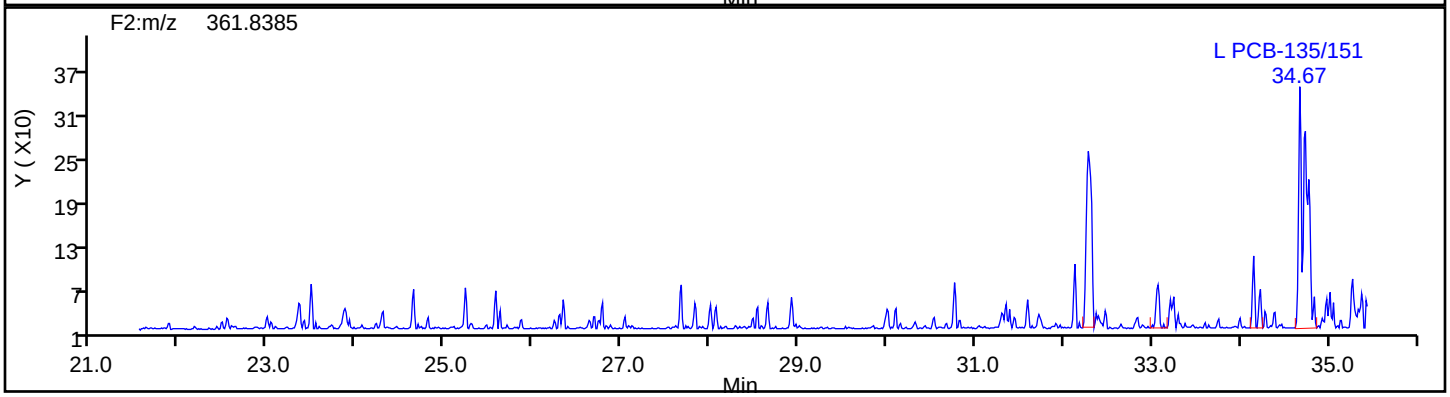

Reviewer: mcwhirterl, 09-Oct-2019 19:10:14
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

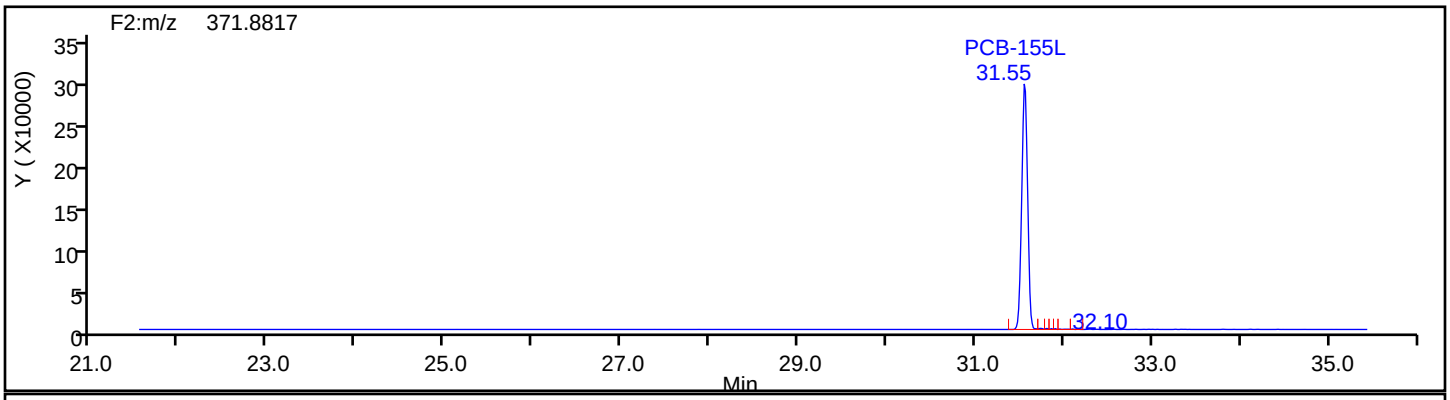
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

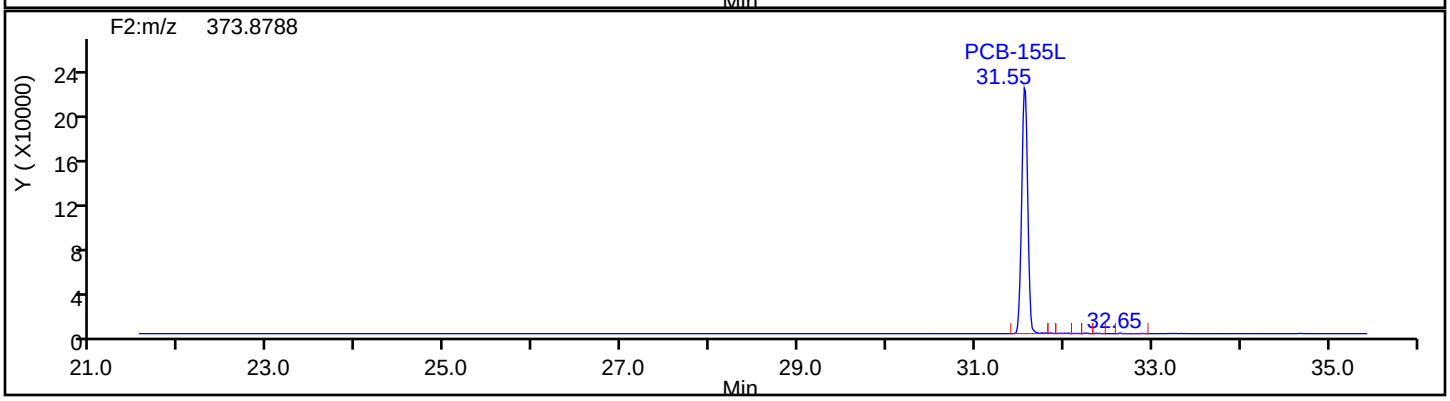
HxPCB F2




HxPCB F2 Standards

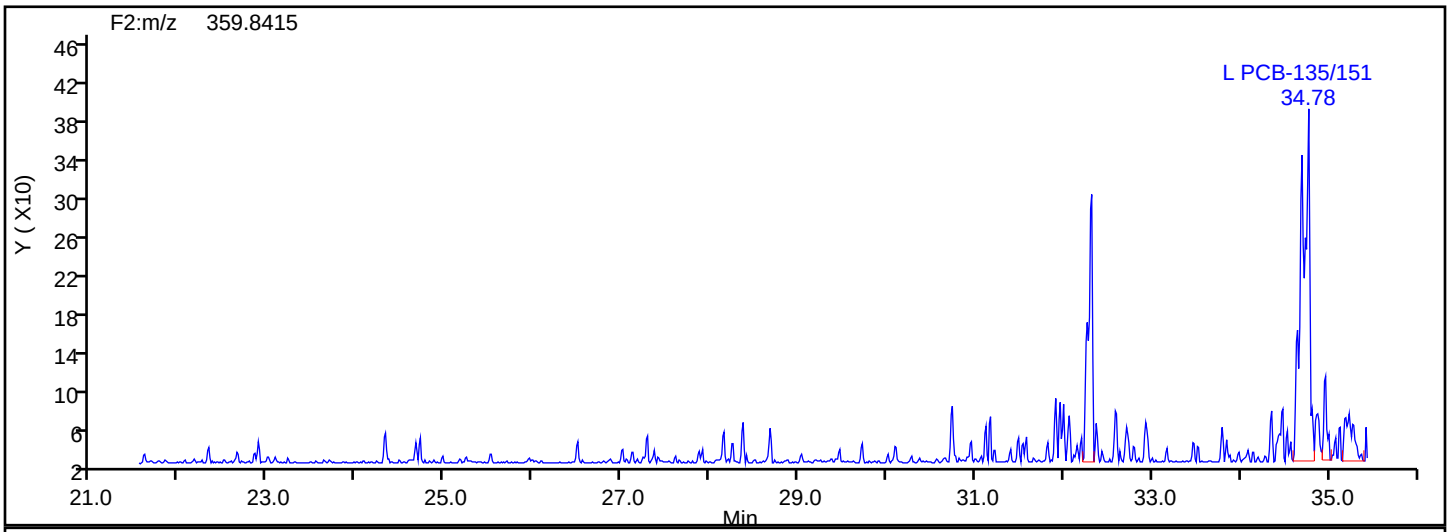


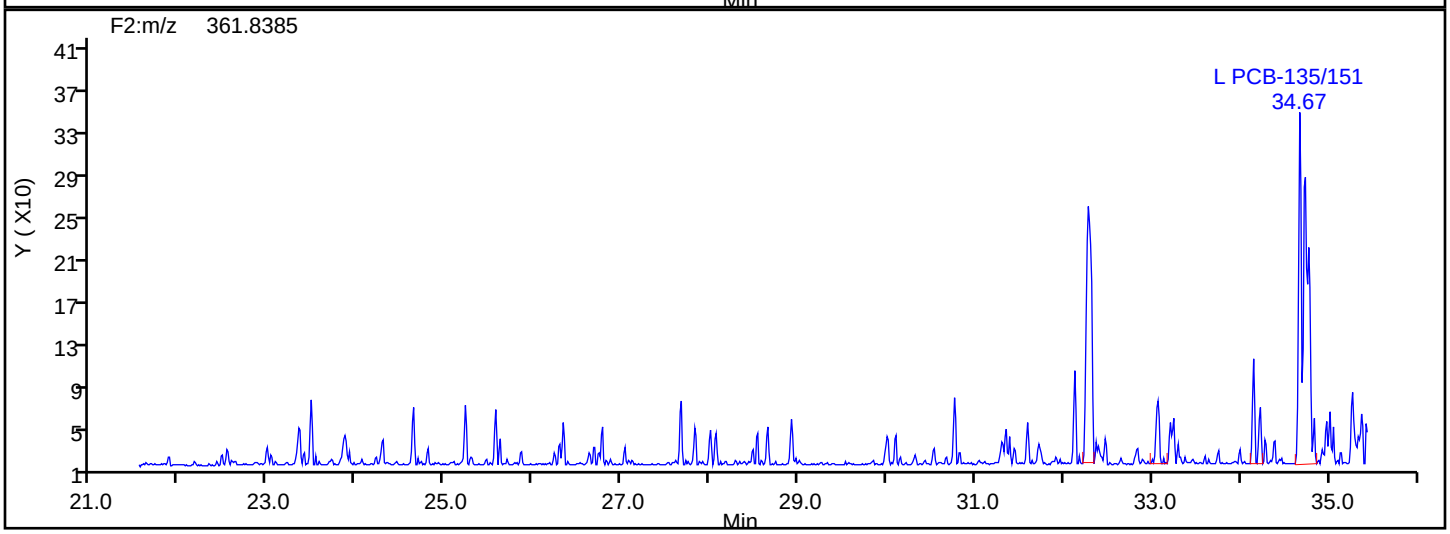



Eurofins TestAmerica, Knoxville

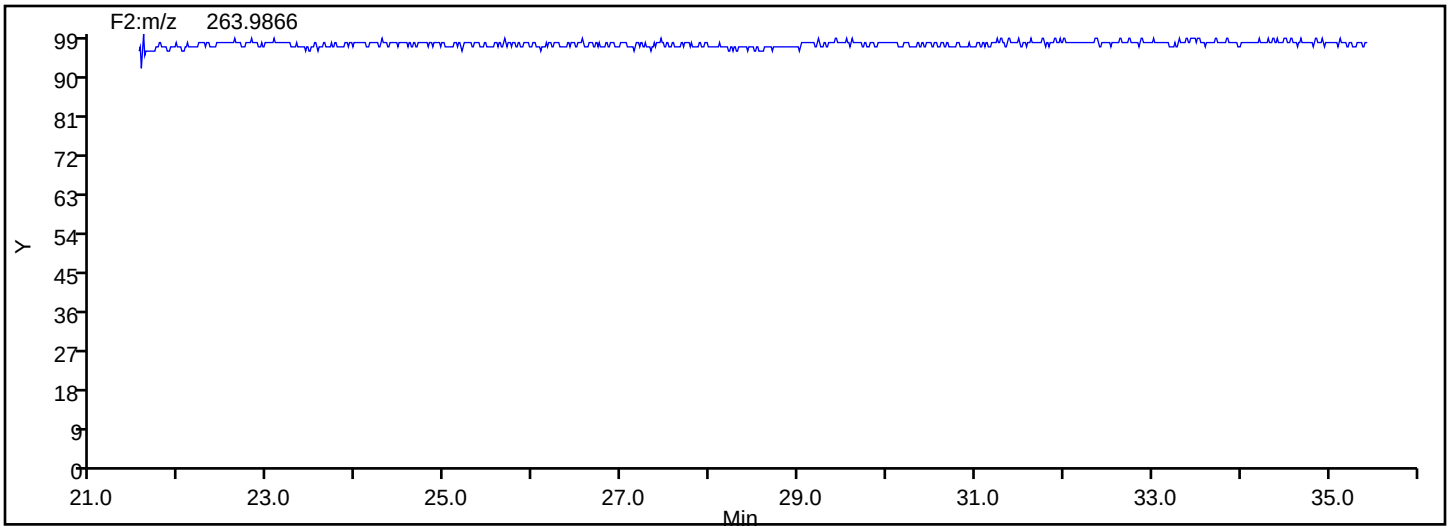
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

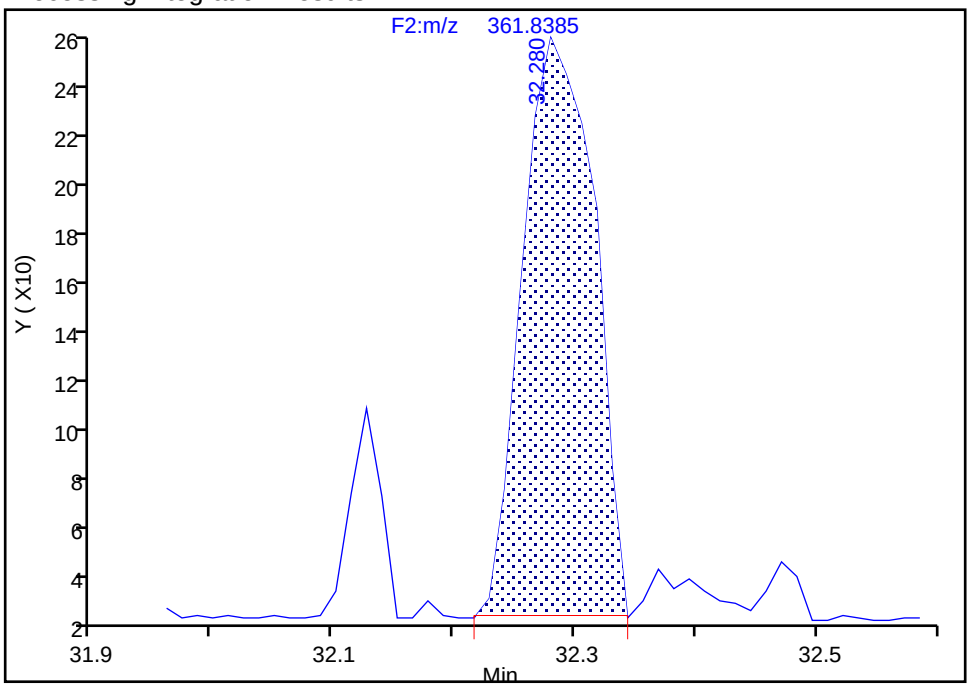
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-136, CAS: 38411-22-2

Signal: 2

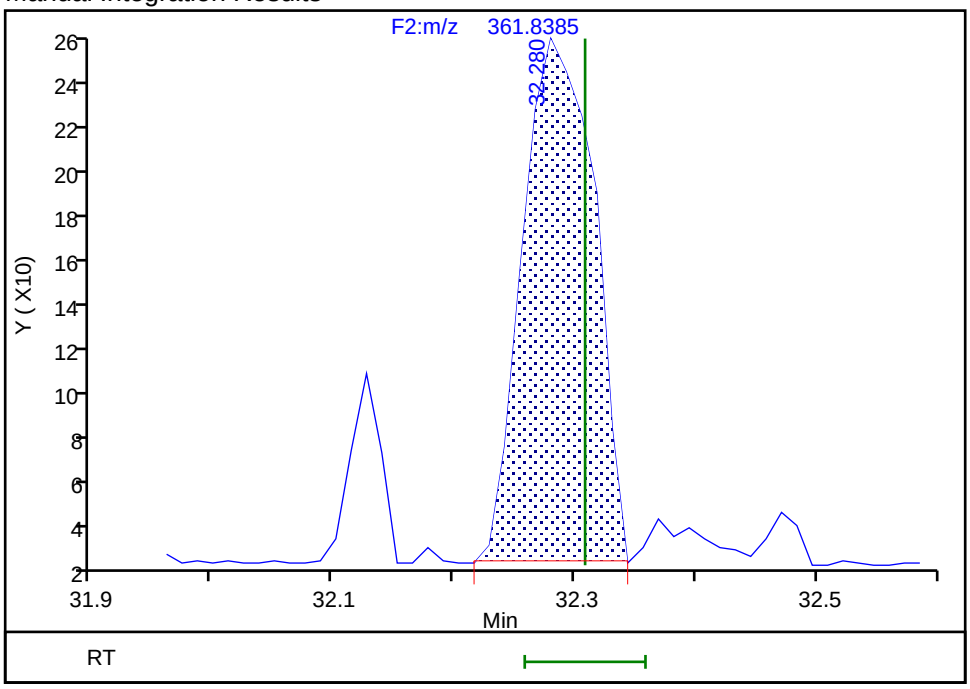
Processing Integration Results

RT: 32.28
Area: 979
Amount: 0.061346
Amount Units: pg/ul




Manual Integration Results

RT: 32.28
Area: 979
Amount: 0.069996
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:10:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

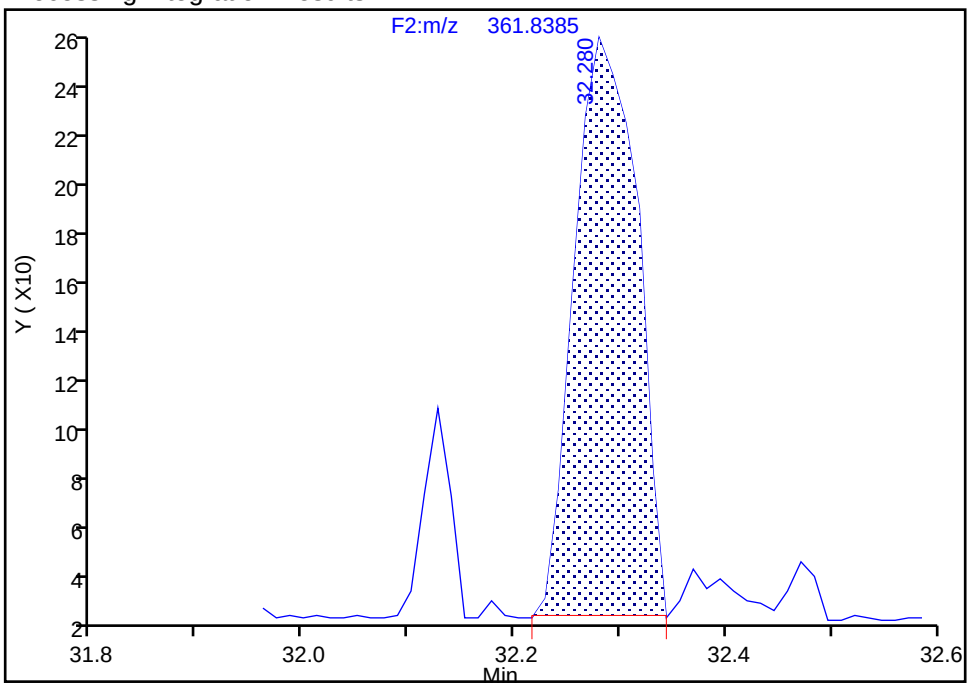
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-136, CAS: 38411-22-2

Signal: 3

Processing Integration Results

RT: 32.32
Area: 1702
Amount: 0.061346
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 1942
Amount: 0.069996
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:10:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

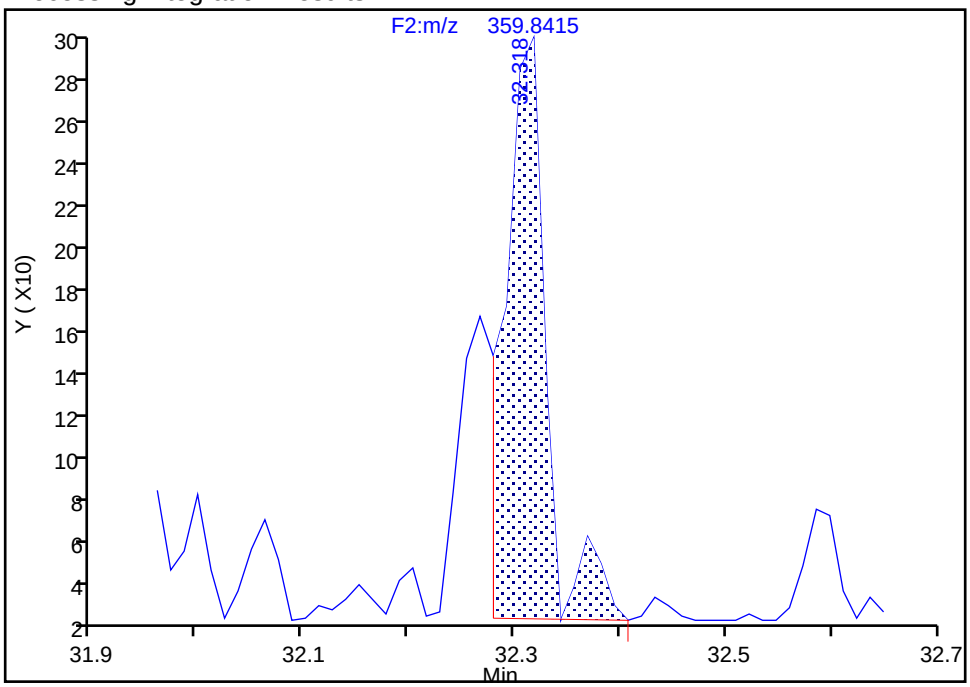
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-136, CAS: 38411-22-2

Signal: 1

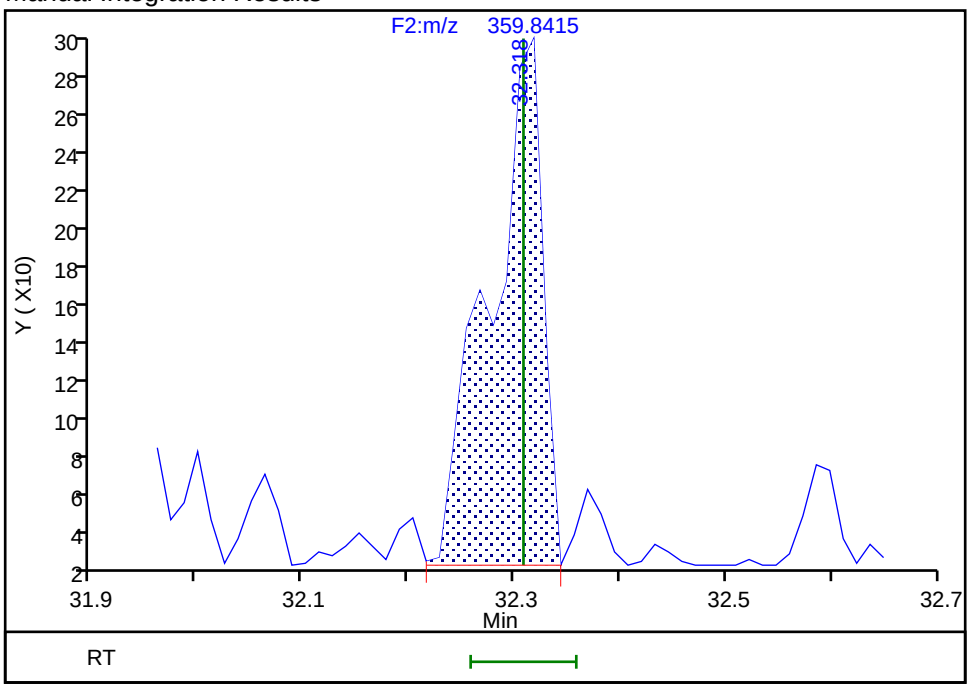
Processing Integration Results

RT: 32.32
Area: 723
Amount: 0.061346
Amount Units: pg/ul




Manual Integration Results

RT: 32.32
Area: 963
Amount: 0.069996
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:10:46

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

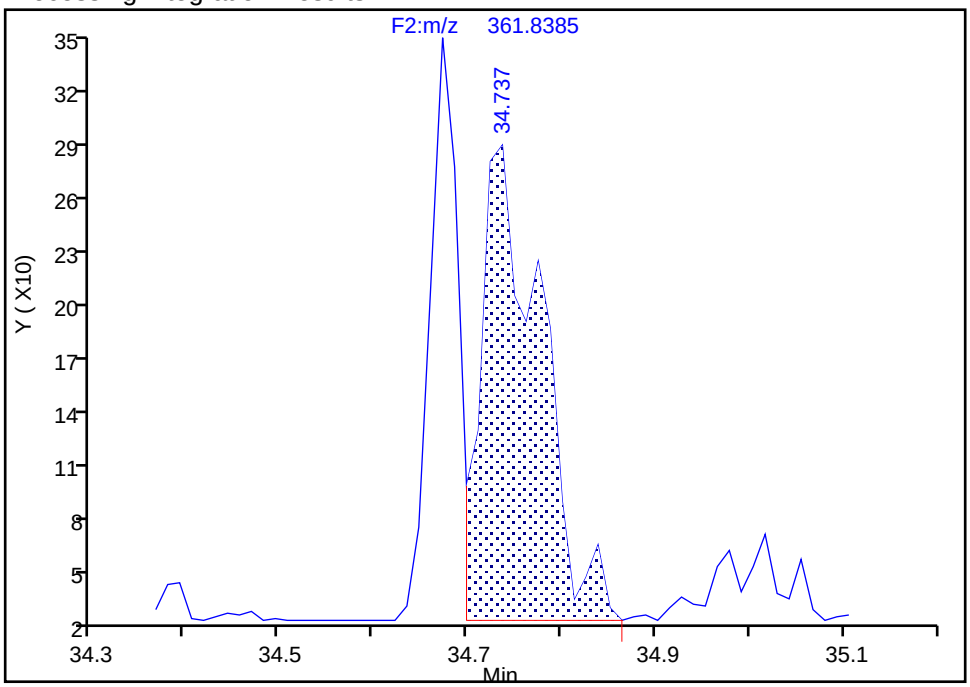
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 2

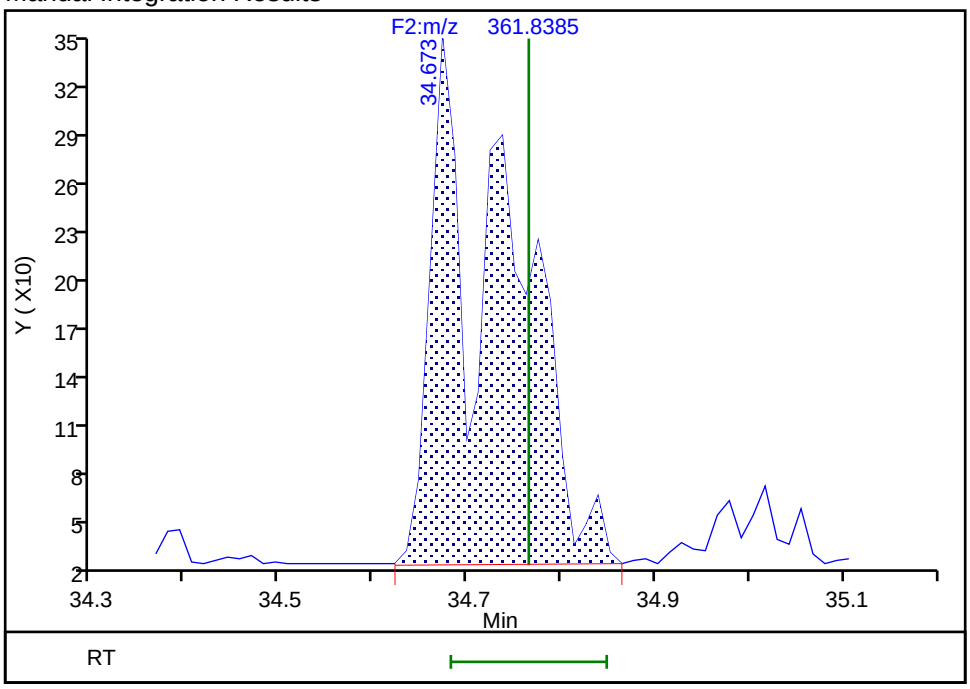
Processing Integration Results

RT: 34.74
Area: 1165
Amount: 0.166204
Amount Units: pg/ul




Manual Integration Results

RT: 34.67
Area: 1830
Amount: 0.198093
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:11:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

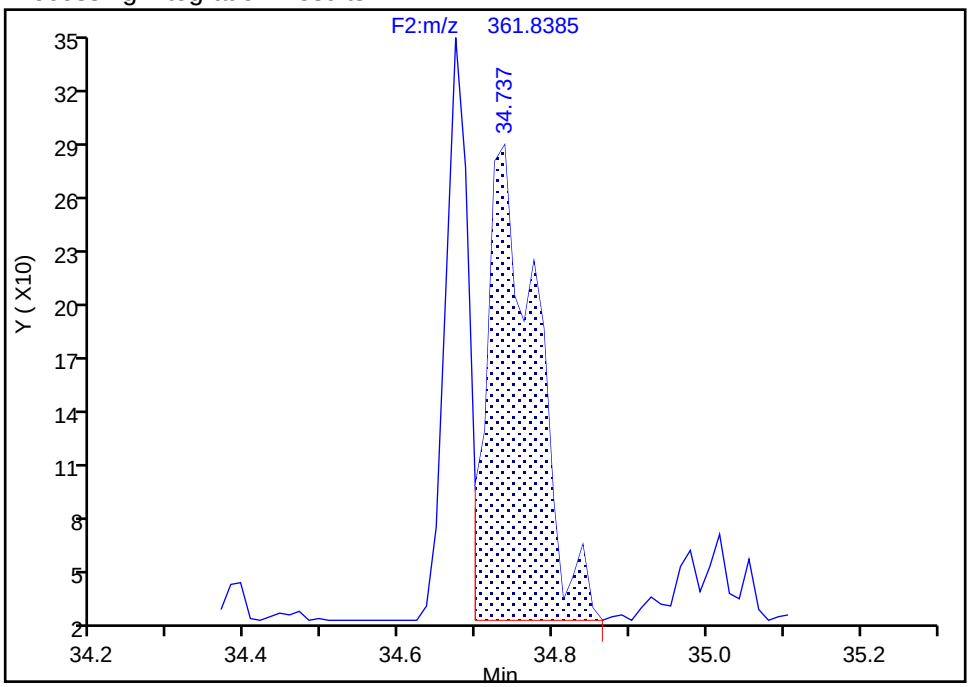
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.78
Area: 3466
Amount: 0.166204
Amount Units: pg/ul




Manual Integration Results

RT: 34.78
Area: 4131
Amount: 0.198093
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:11:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

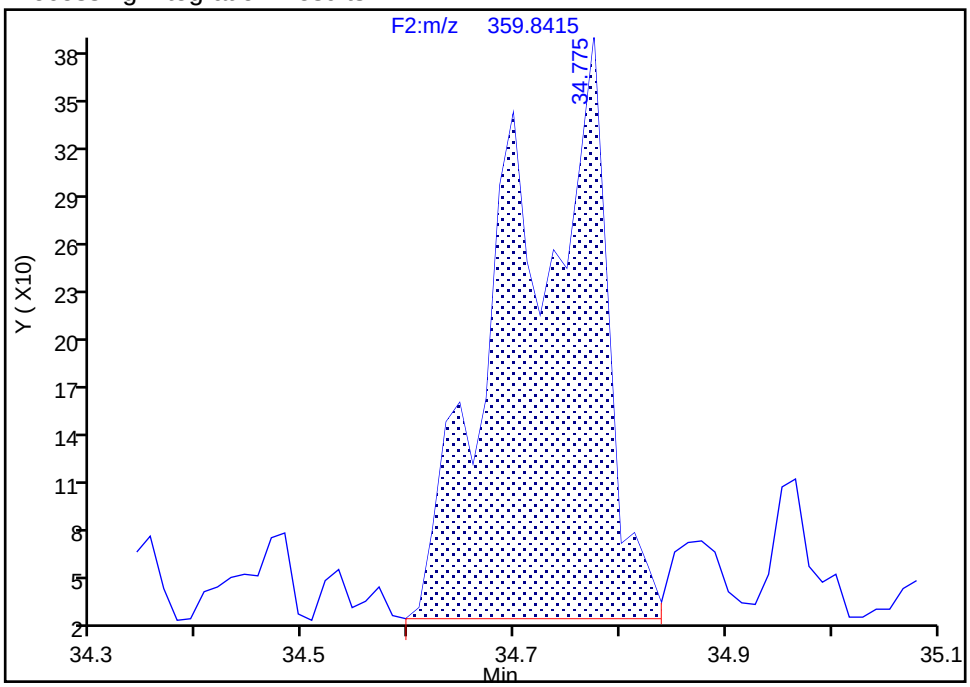
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

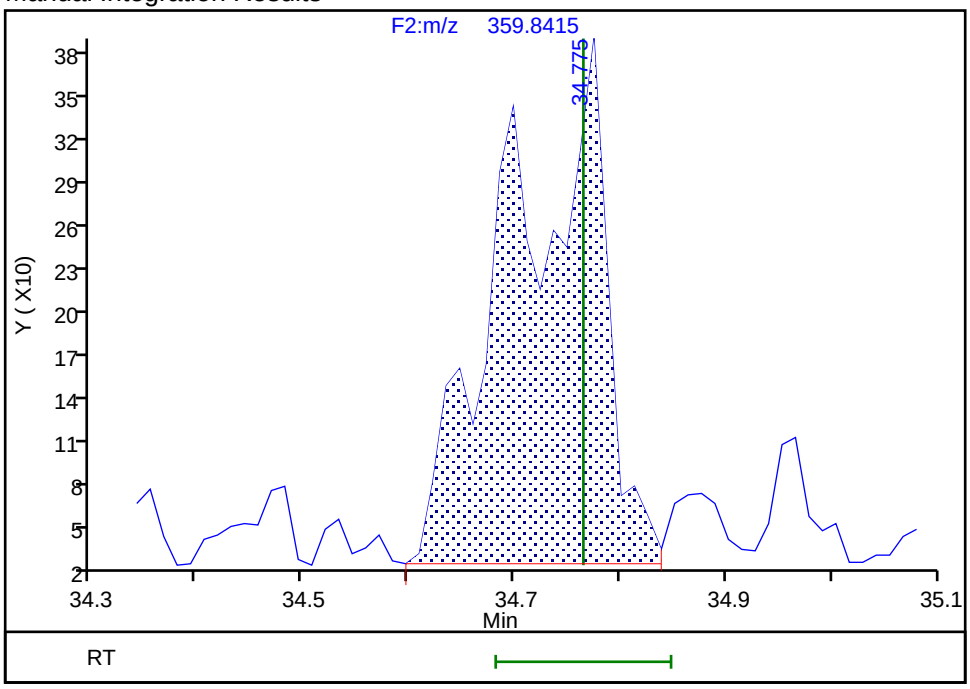
Processing Integration Results

RT: 34.78
Area: 2301
Amount: 0.166204
Amount Units: pg/ul




Manual Integration Results

RT: 34.78
Area: 2301
Amount: 0.198093
Amount Units: pg/ul



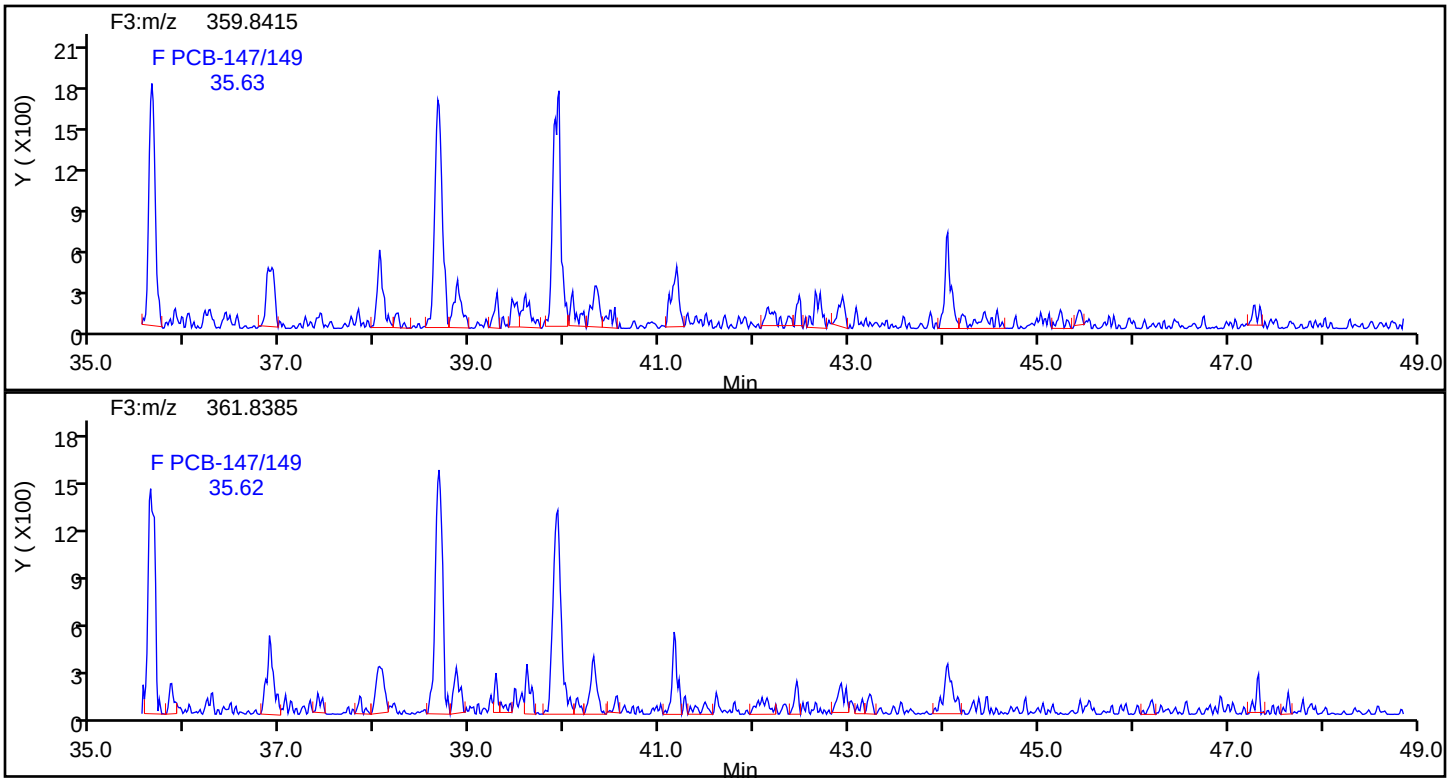

Reviewer: mcwhirterl, 09-Oct-2019 19:11:02

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

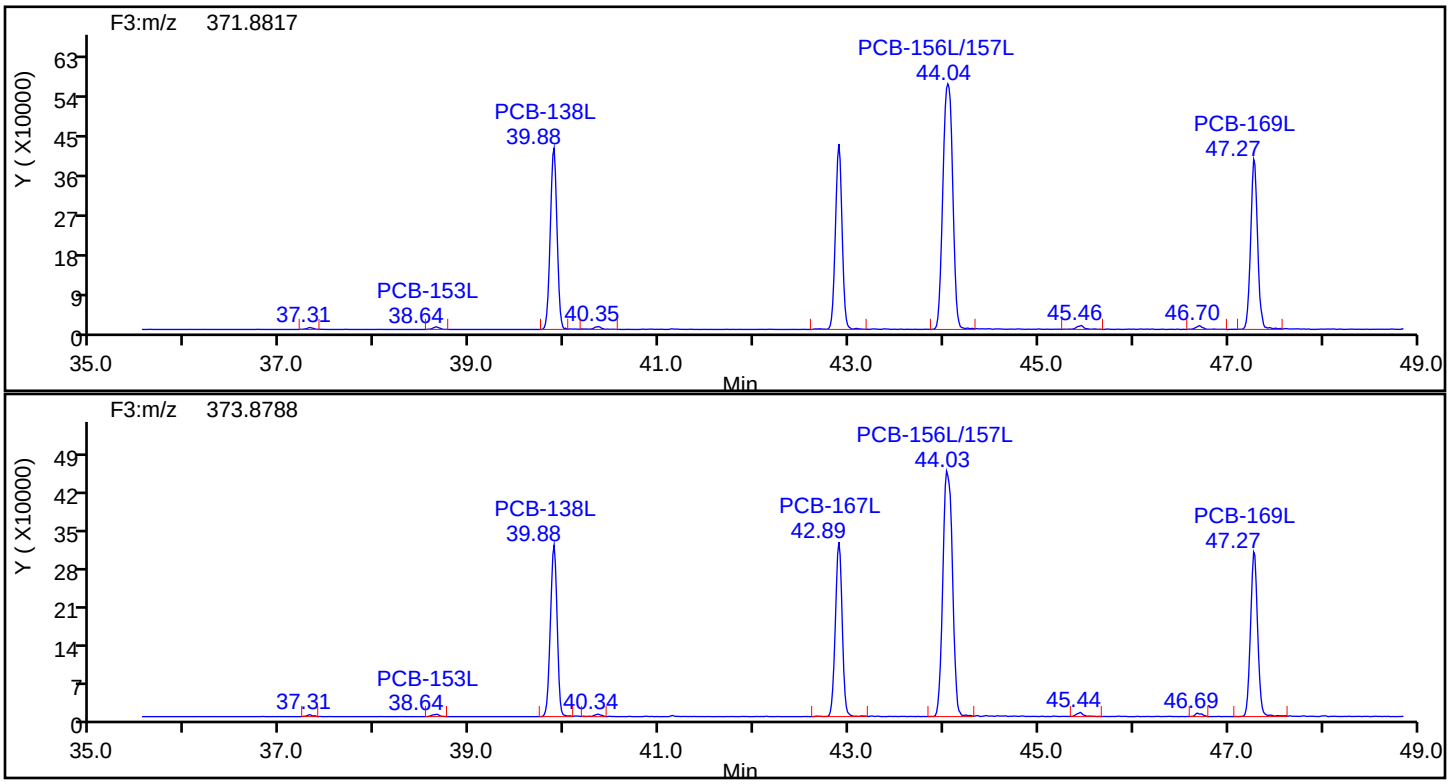
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



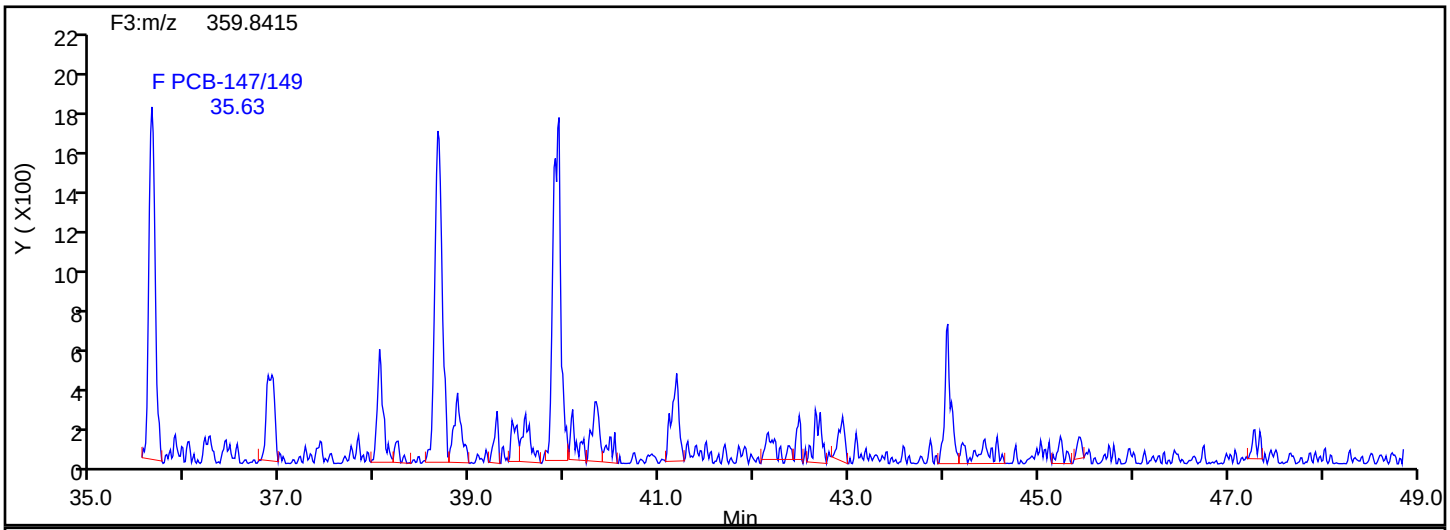

HxPCB F3 Standards

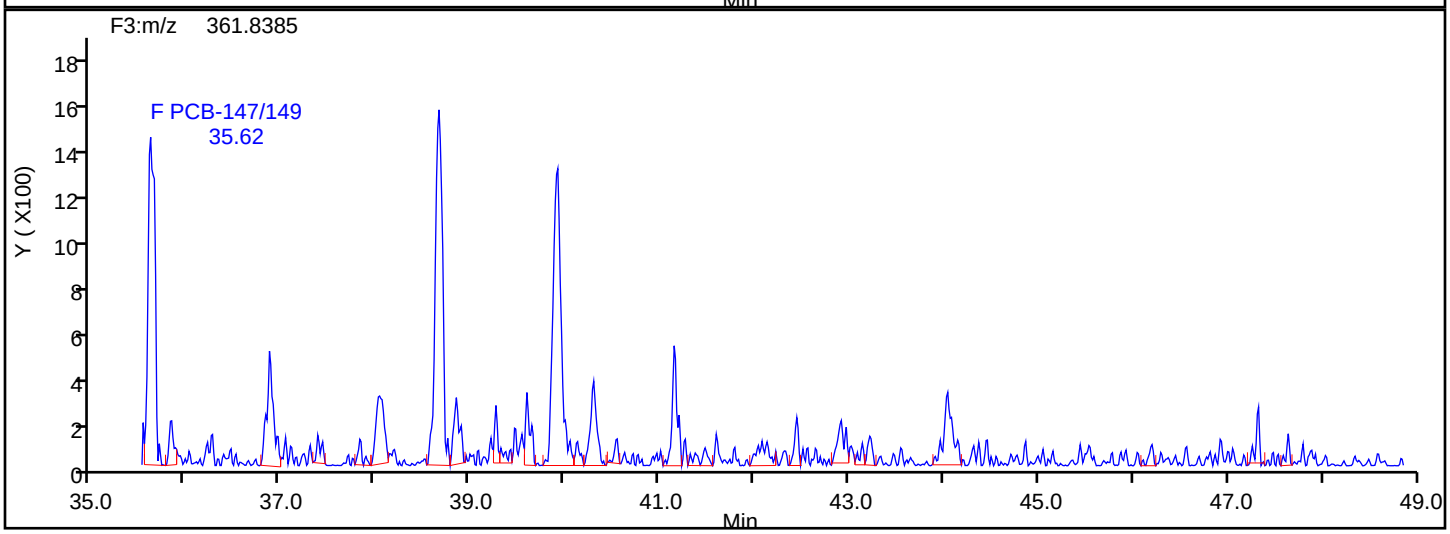


Eurofins TestAmerica, Knoxville

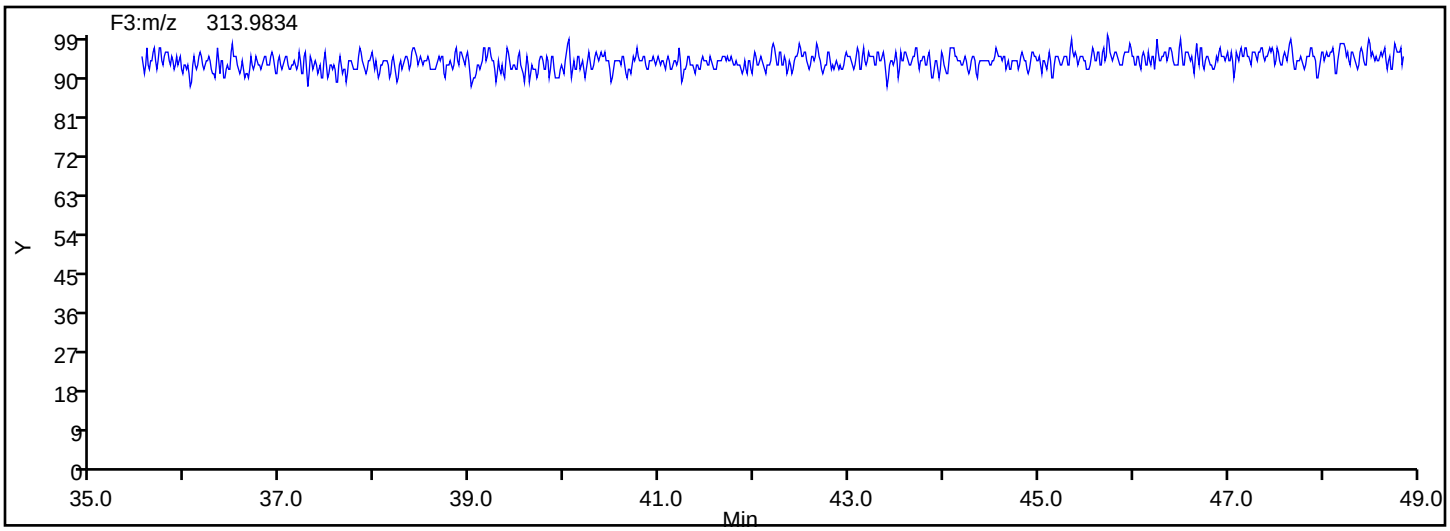
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

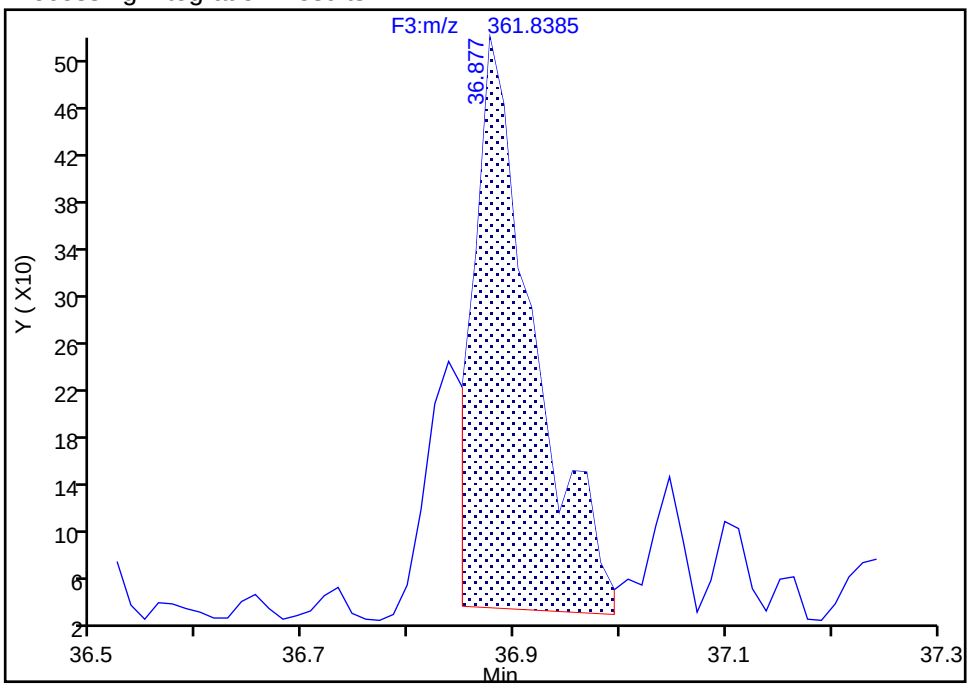
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-132, CAS: 38380-05-1

Signal: 2

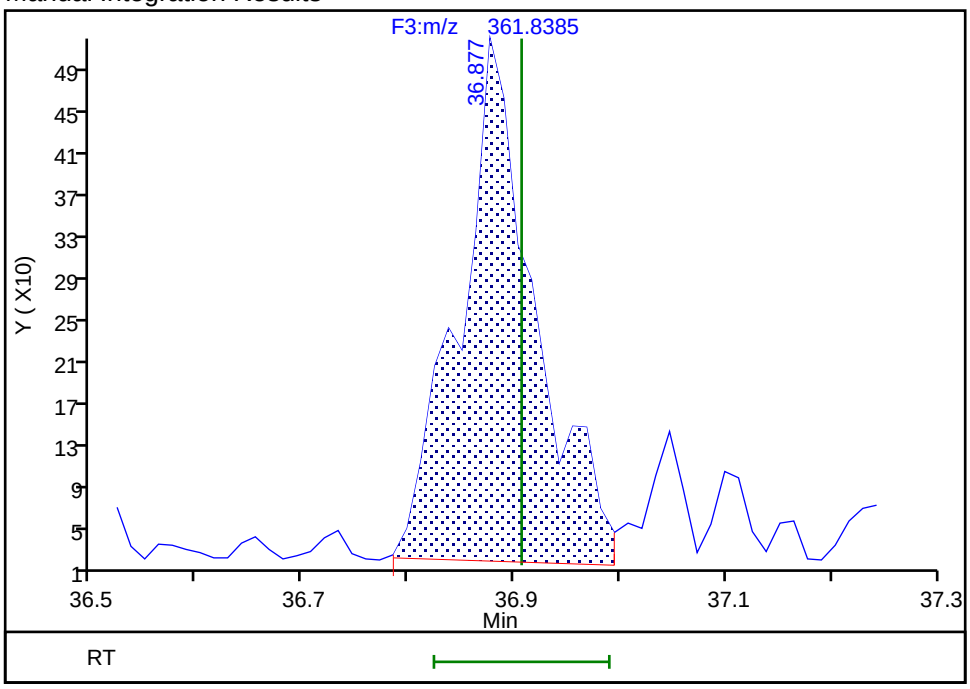
Processing Integration Results

RT: 36.88
Area: 1880
Amount: 0.139285
Amount Units: pg/ul




Manual Integration Results

RT: 36.88
Area: 2465
Amount: 0.157473
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:11:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

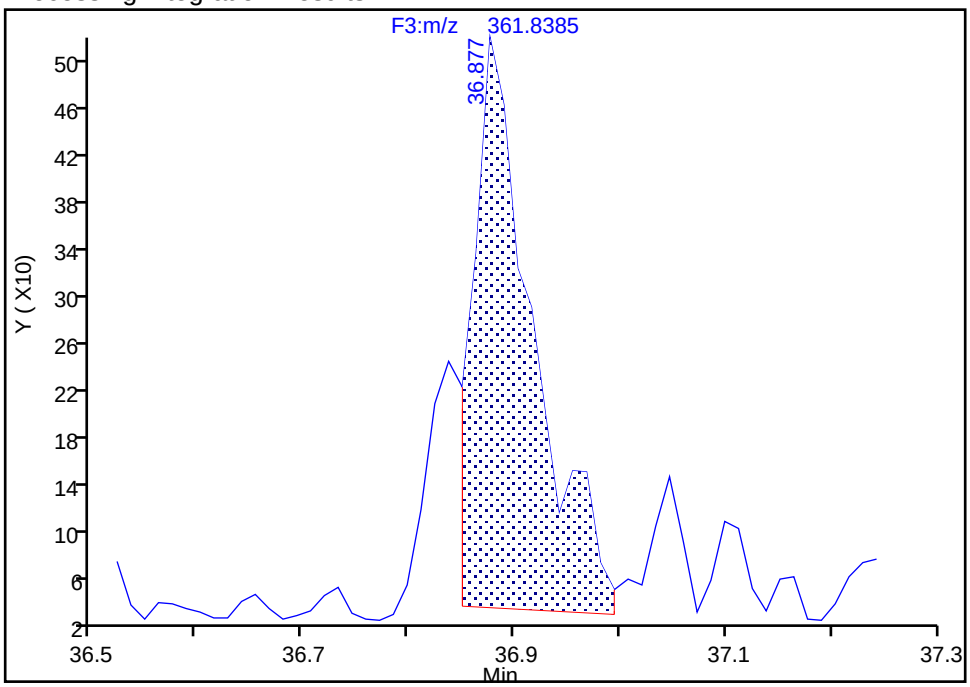
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-132, CAS: 38380-05-1

Signal: 3

Processing Integration Results

RT: 36.90
Area: 4480
Amount: 0.139285
Amount Units: pg/ul




Manual Integration Results

RT: 36.90
Area: 5065
Amount: 0.157473
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:11:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

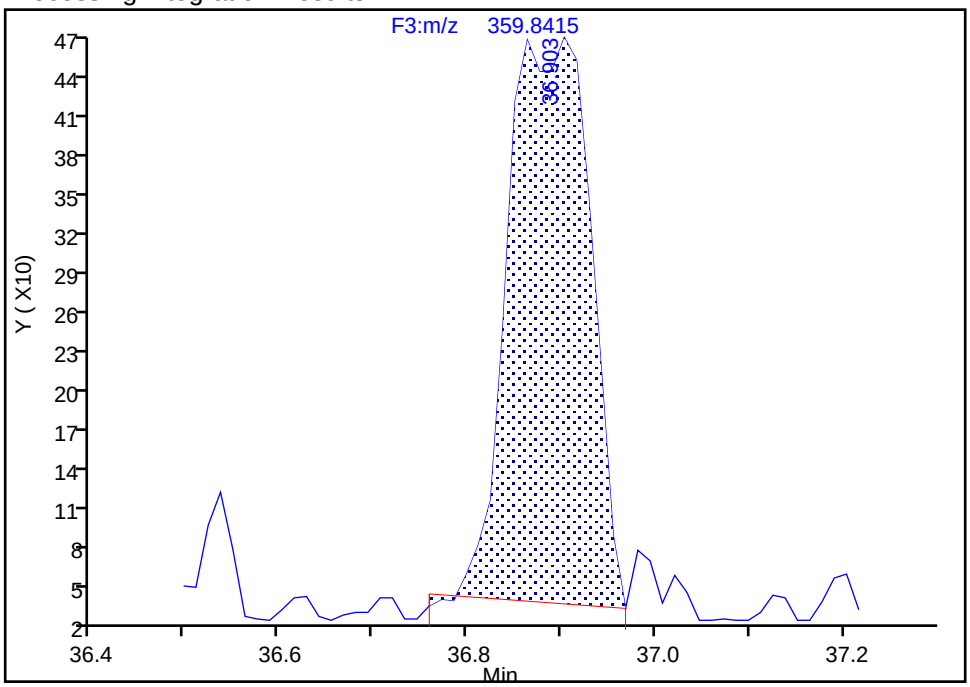
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-132, CAS: 38380-05-1

Signal: 1

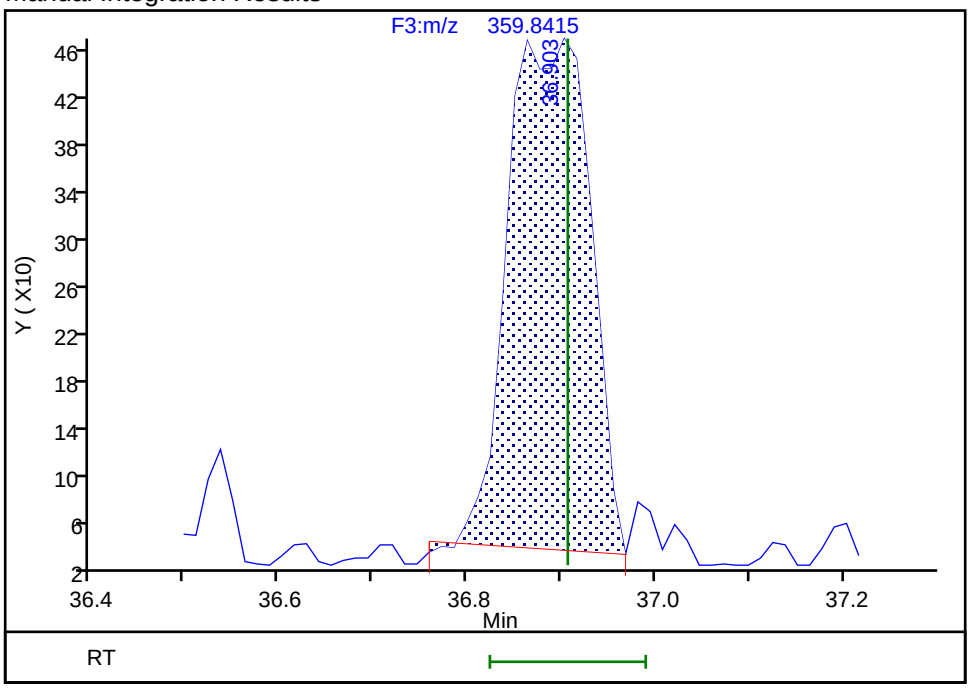
Processing Integration Results

RT: 36.90
Area: 2600
Amount: 0.139285
Amount Units: pg/ul




Manual Integration Results

RT: 36.90
Area: 2600
Amount: 0.157473
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:11:20

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

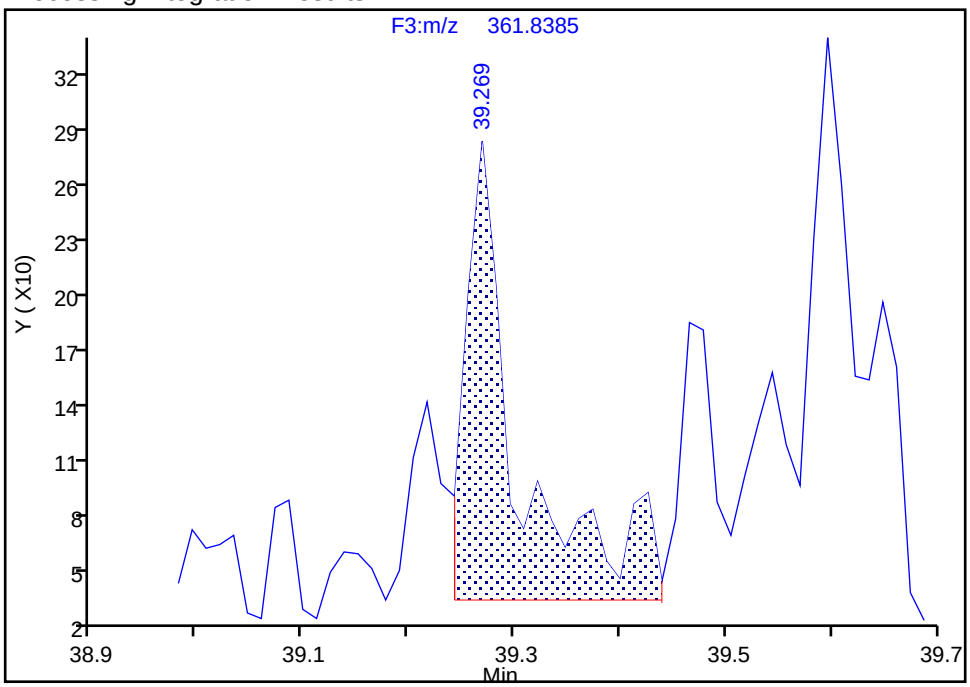
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-130, CAS: 52663-66-8

Signal: 2

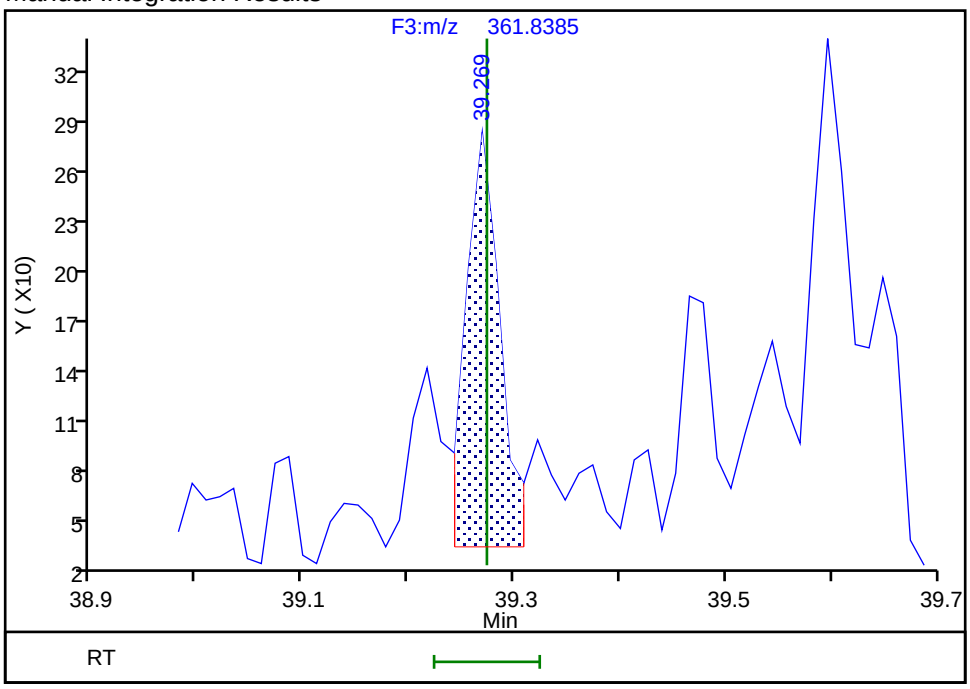
Processing Integration Results

RT: 39.27
Area: 844
Amount: 0.052811
Amount Units: pg/ul




Manual Integration Results

RT: 39.27
Area: 535
Amount: 0.042593
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:11:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

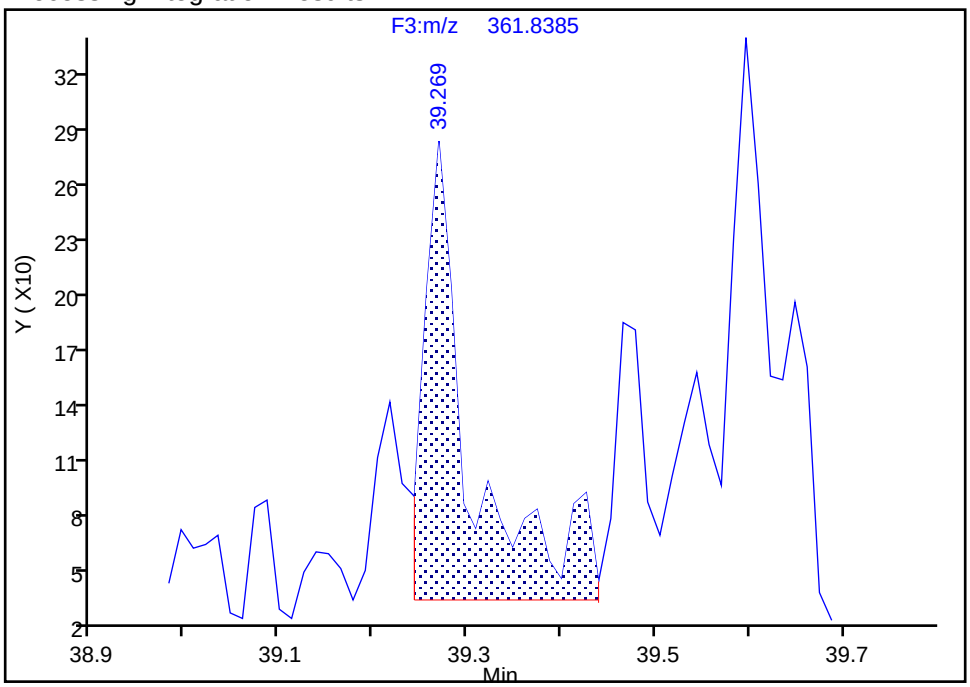
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-130, CAS: 52663-66-8

Signal: 3

Processing Integration Results

RT: 39.28
Area: 1597
Amount: 0.052811
Amount Units: pg/ul




Manual Integration Results

RT: 39.28
Area: 1288
Amount: 0.042593
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:11:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

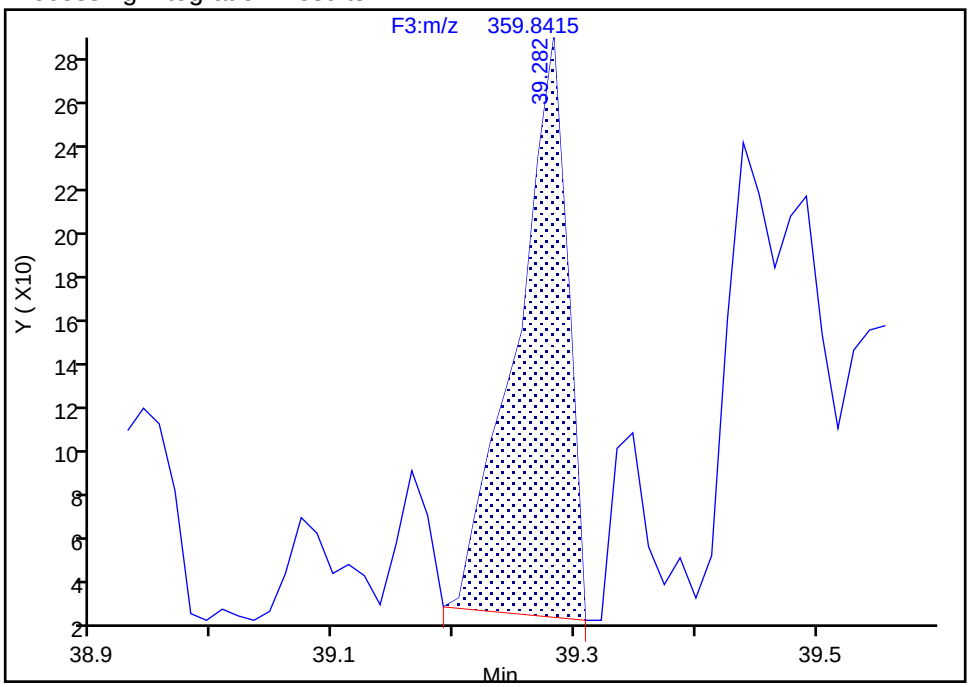
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-130, CAS: 52663-66-8

Signal: 1

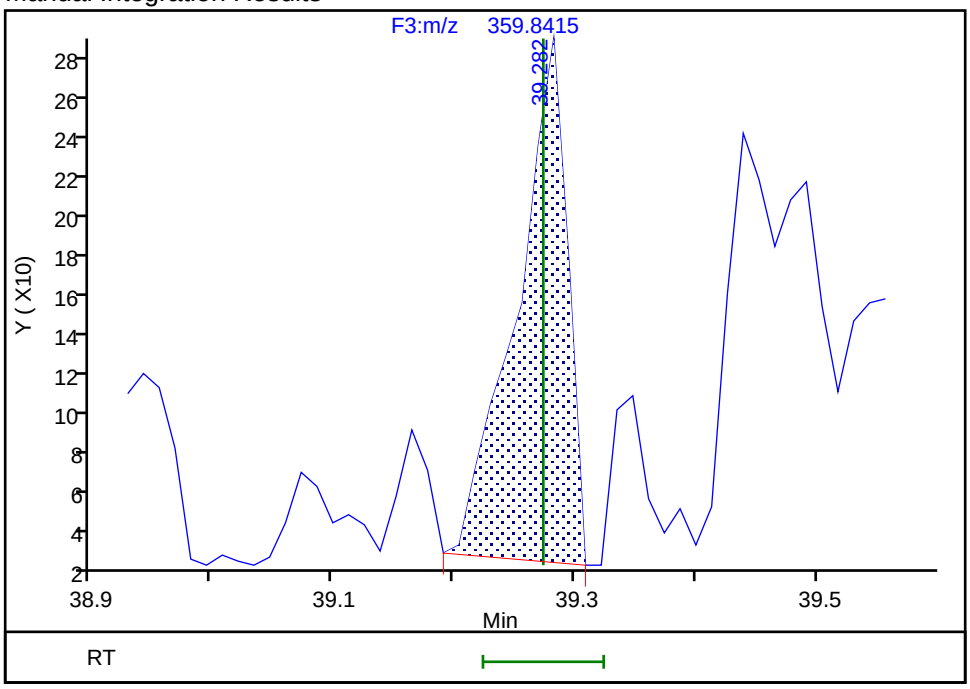
Processing Integration Results

RT: 39.28
Area: 753
Amount: 0.052811
Amount Units: pg/ul




Manual Integration Results

RT: 39.28
Area: 753
Amount: 0.042593
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:11:42

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

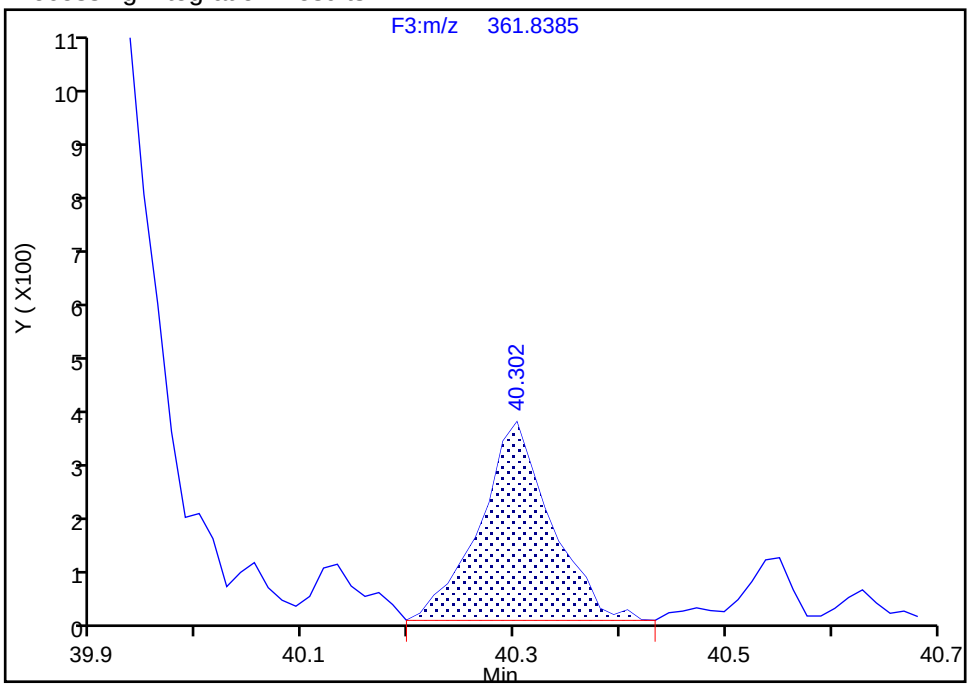
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-158, CAS: 74472-42-7

Signal: 2

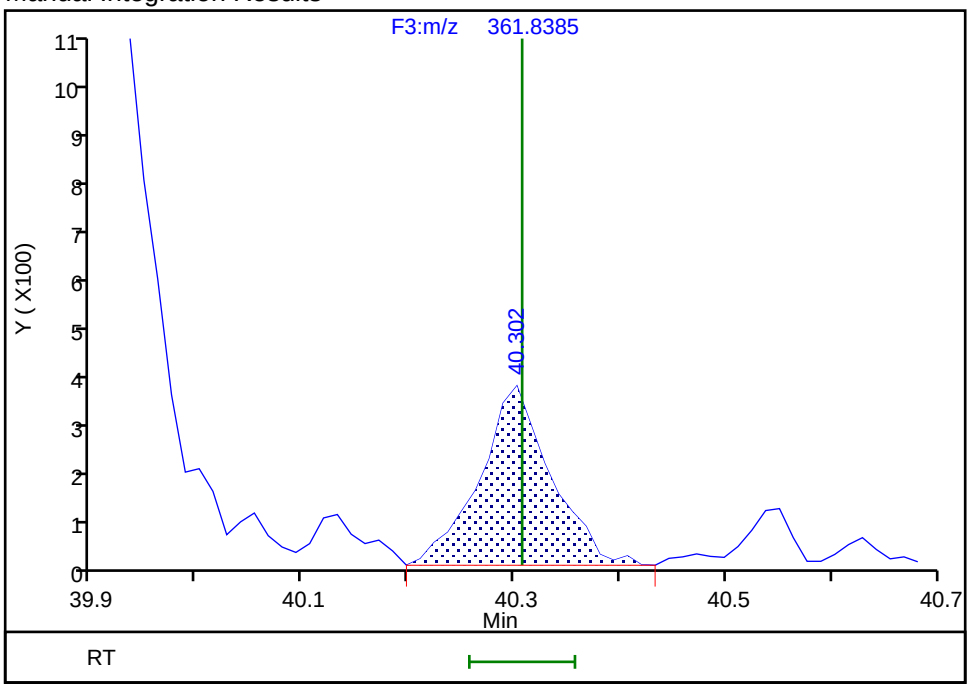
Processing Integration Results

RT: 40.30
Area: 1706
Amount: 0.100886
Amount Units: pg/ul




Manual Integration Results

RT: 40.30
Area: 1706
Amount: 0.065553
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:11:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

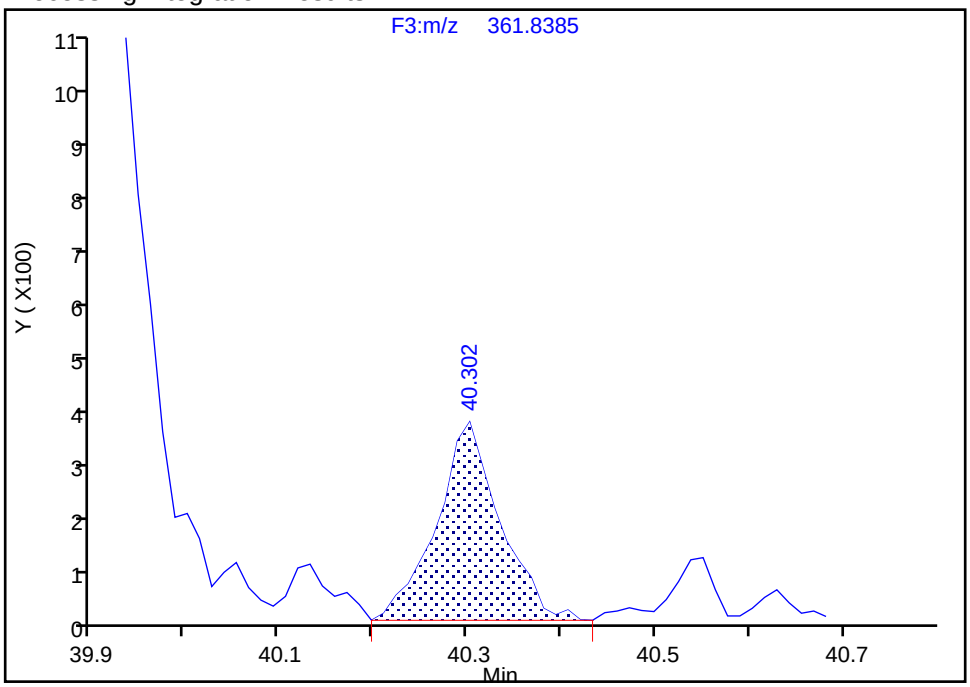
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-158, CAS: 74472-42-7

Signal: 3

Processing Integration Results

RT: 40.33
Area: 5111
Amount: 0.100886
Amount Units: pg/ul




Manual Integration Results

RT: 40.33
Area: 3321
Amount: 0.065553
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:11:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

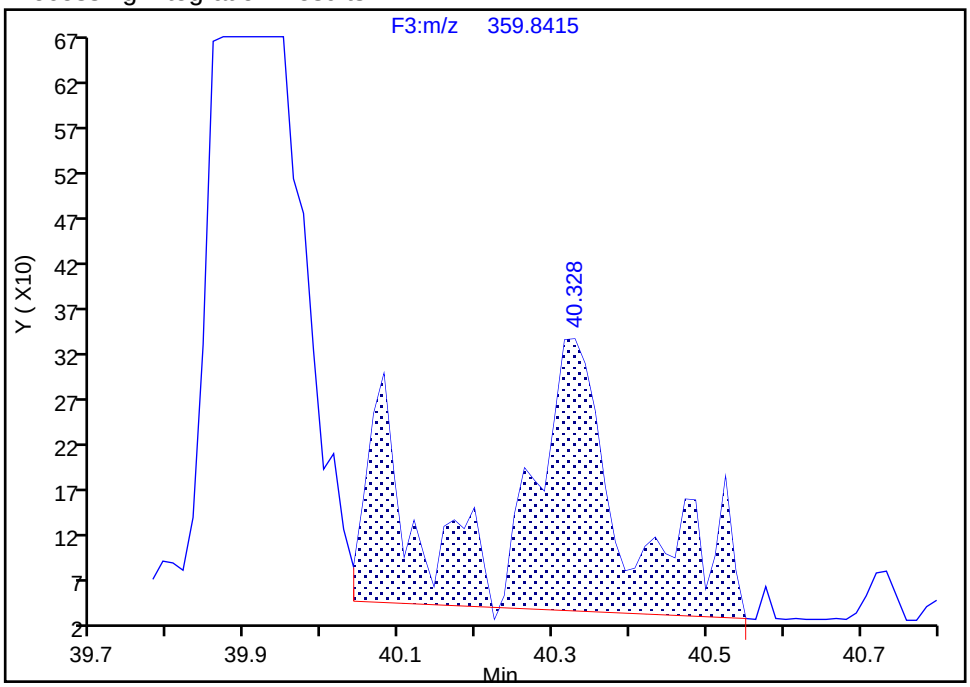
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-158, CAS: 74472-42-7

Signal: 1

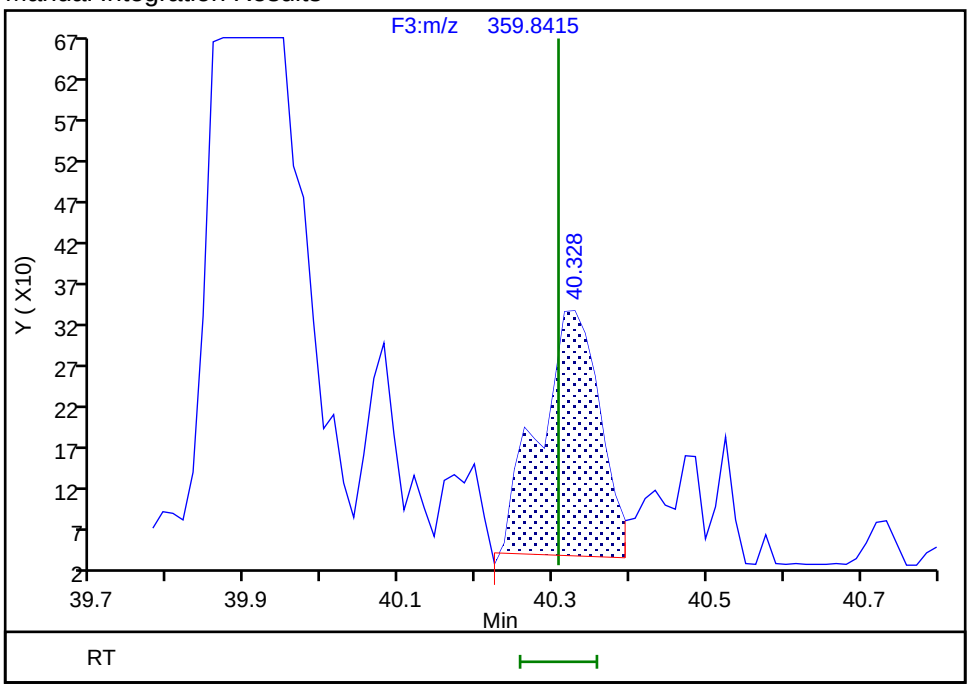
Processing Integration Results

RT: 40.33
Area: 3405
Amount: 0.100886
Amount Units: pg/ul




Manual Integration Results

RT: 40.33
Area: 1615
Amount: 0.065553
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:11:53
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

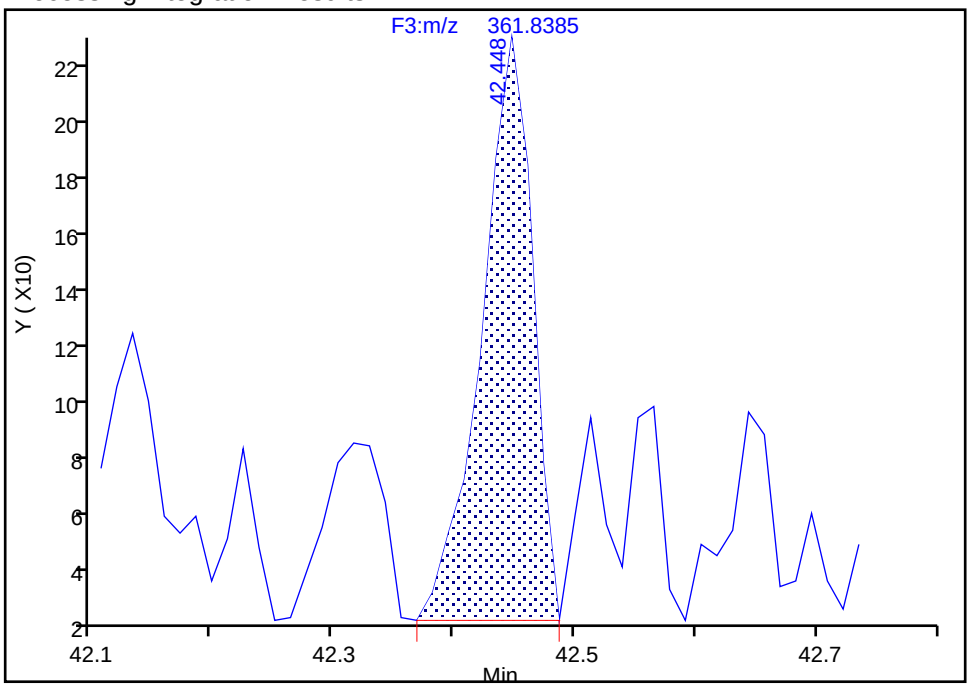
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 2

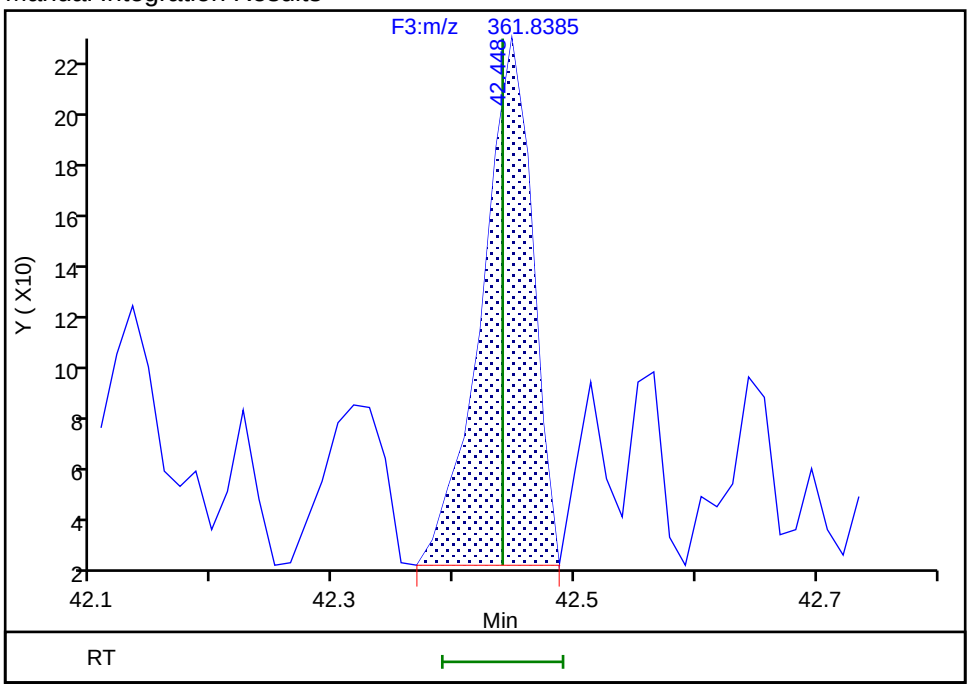
Processing Integration Results

RT: 42.45
Area: 606
Amount: 0.045756
Amount Units: pg/ul




Manual Integration Results

RT: 42.45
Area: 606
Amount: 0.024505
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:12:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

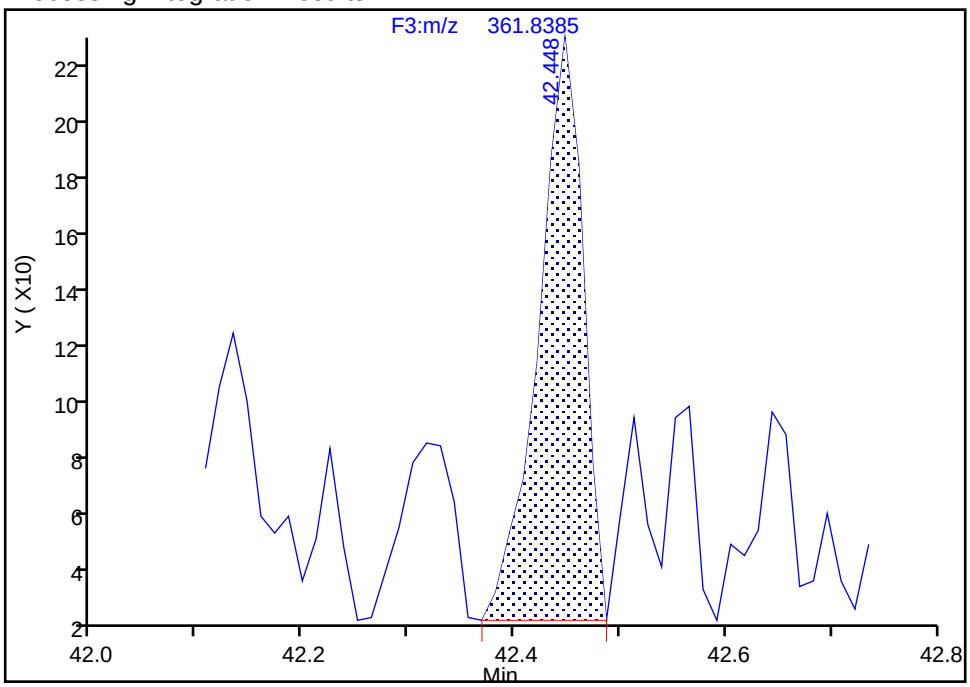
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-162, CAS: 39635-34-2

Signal: 3

Processing Integration Results

RT: 42.47
Area: 2278
Amount: 0.045756
Amount Units: pg/ul




Manual Integration Results

RT: 42.47
Area: 1220
Amount: 0.024505
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:12:01
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

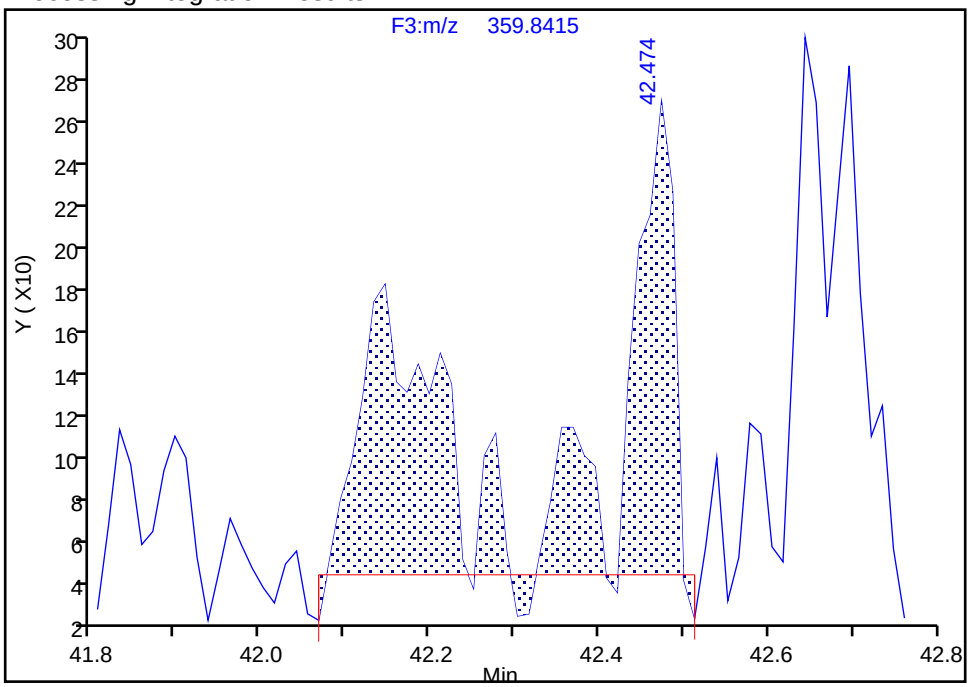
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-162, CAS: 39635-34-2

Signal: 1

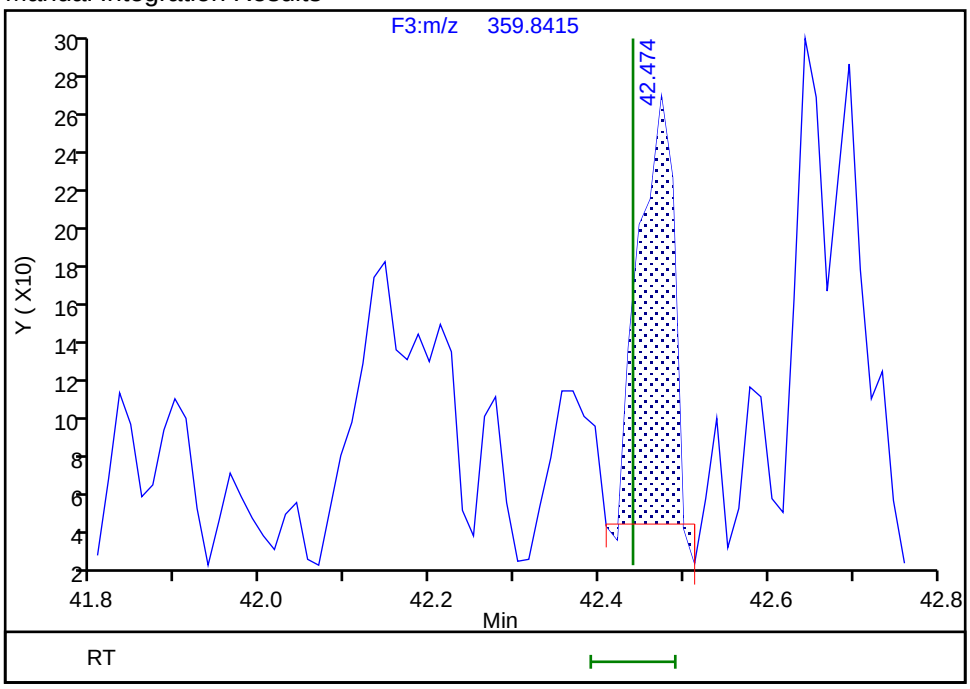
Processing Integration Results

RT: 42.47
Area: 1672
Amount: 0.045756
Amount Units: pg/ul




Manual Integration Results

RT: 42.47
Area: 614
Amount: 0.024505
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:12:02

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

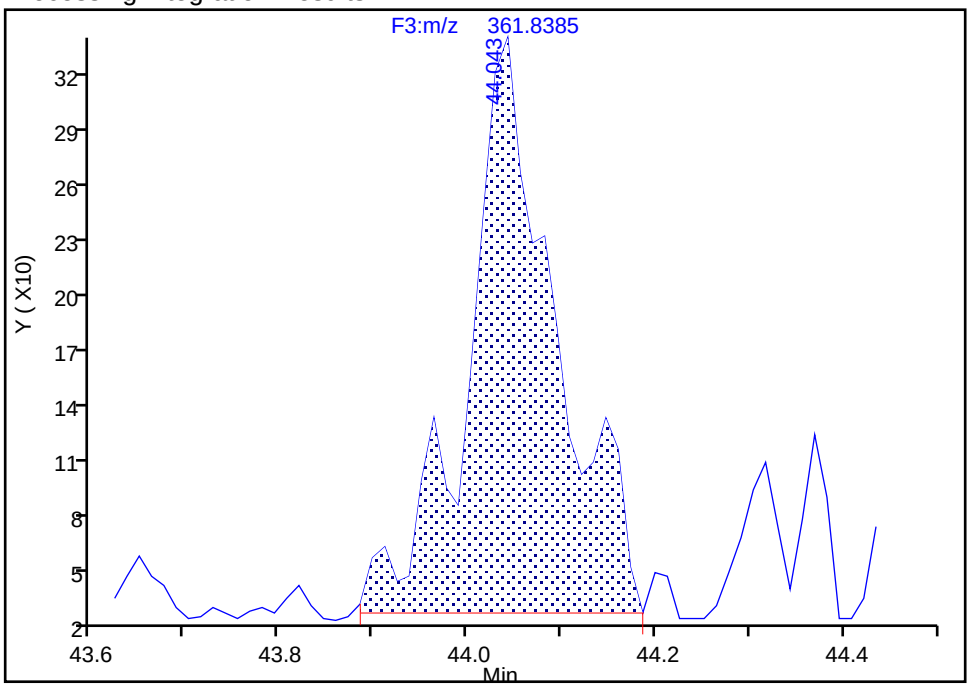
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-156/157, CAS: STL01792

Signal: 2

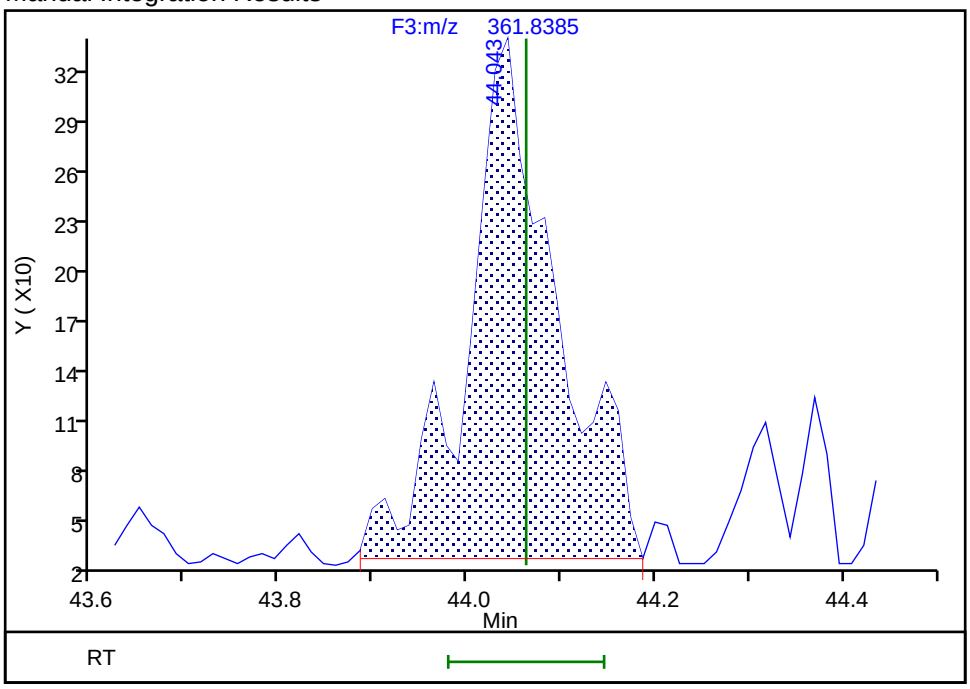
Processing Integration Results

RT: 44.04
Area: 2067
Amount: 0.143099
Amount Units: pg/ul




Manual Integration Results

RT: 44.04
Area: 2067
Amount: 0.109170
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:12:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

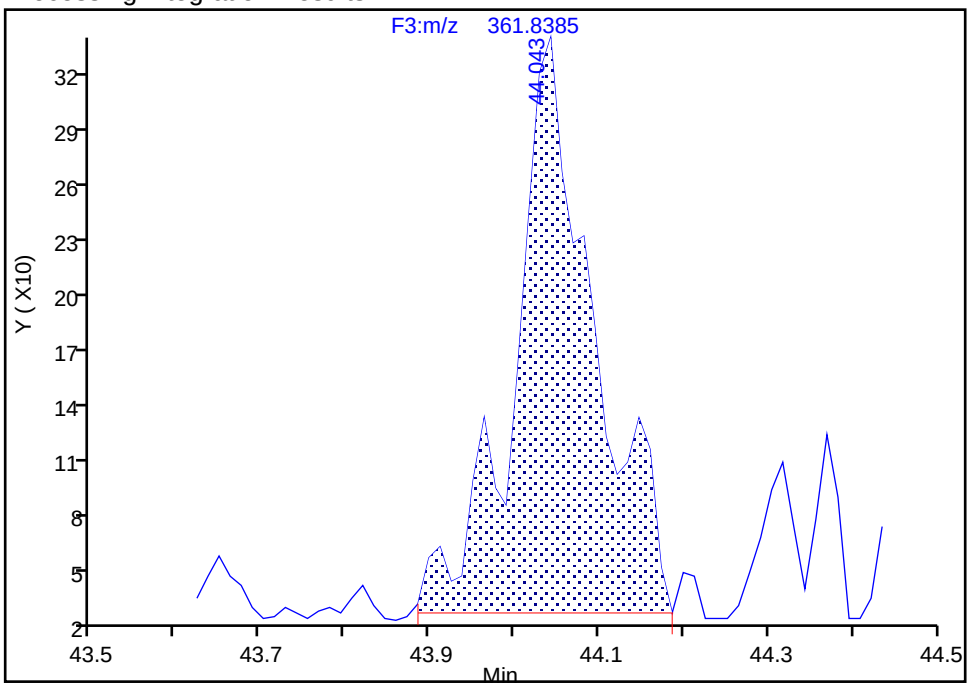
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-156/157, CAS: STL01792

Signal: 3

Processing Integration Results

RT: 44.04
Area: 6668
Amount: 0.143099
Amount Units: pg/ul




Manual Integration Results

RT: 44.04
Area: 5087
Amount: 0.109170
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:12:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

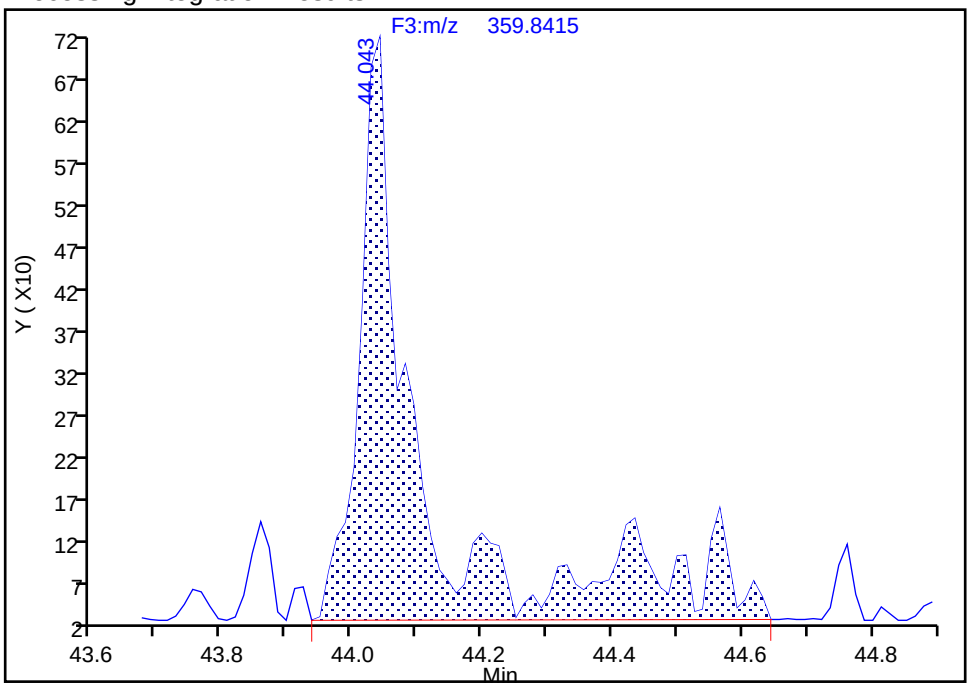
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-156/157, CAS: STL01792

Signal: 1

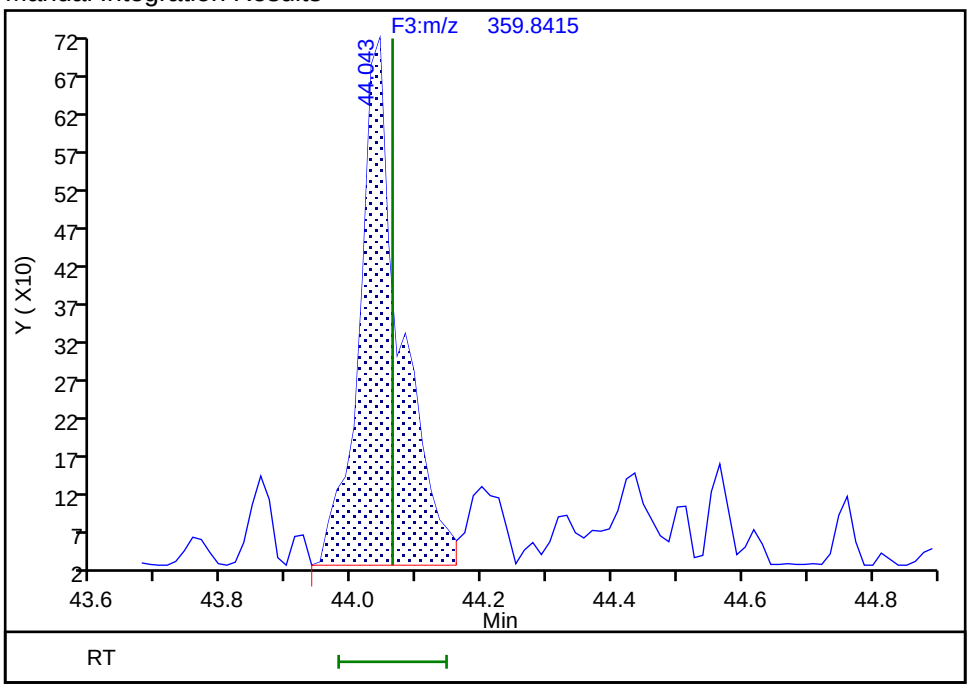
Processing Integration Results

RT: 44.04
Area: 4601
Amount: 0.143099
Amount Units: pg/ul




Manual Integration Results

RT: 44.04
Area: 3020
Amount: 0.109170
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:12:11

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

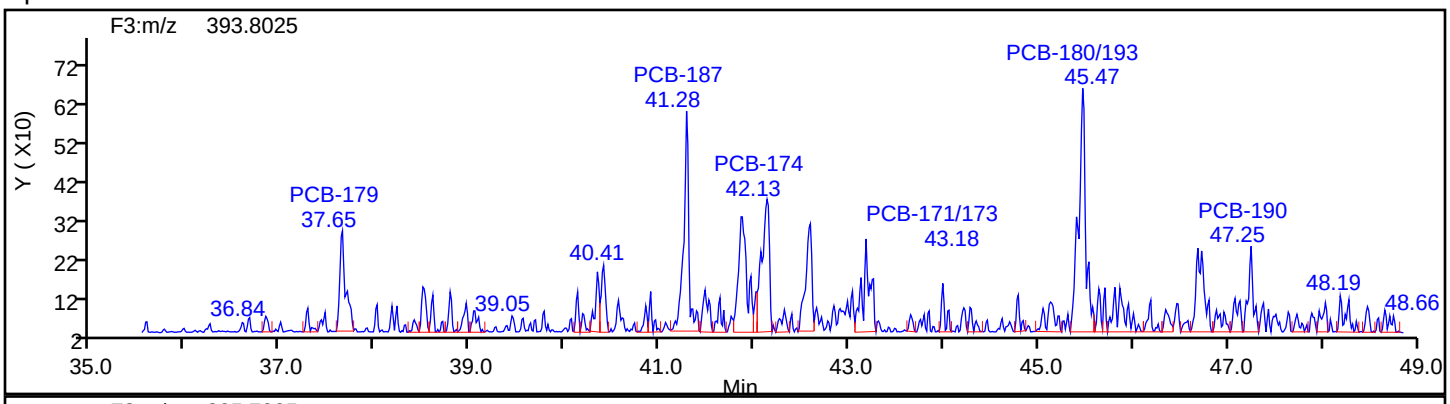
Report Date: 09-Oct-2019 23:16:07 Chrom Revision: 2.3 17-Sep-2019 16:19:08

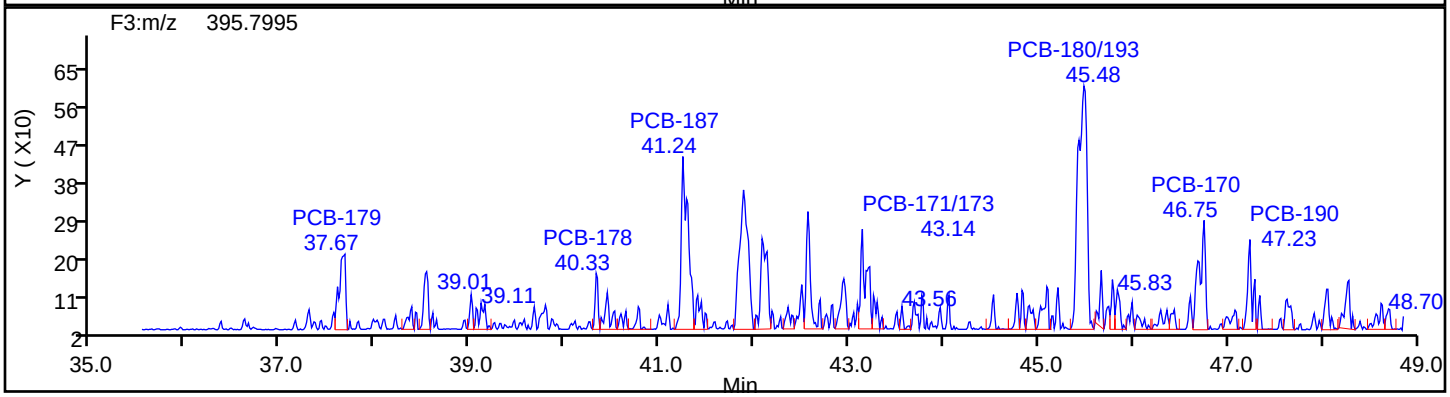
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d

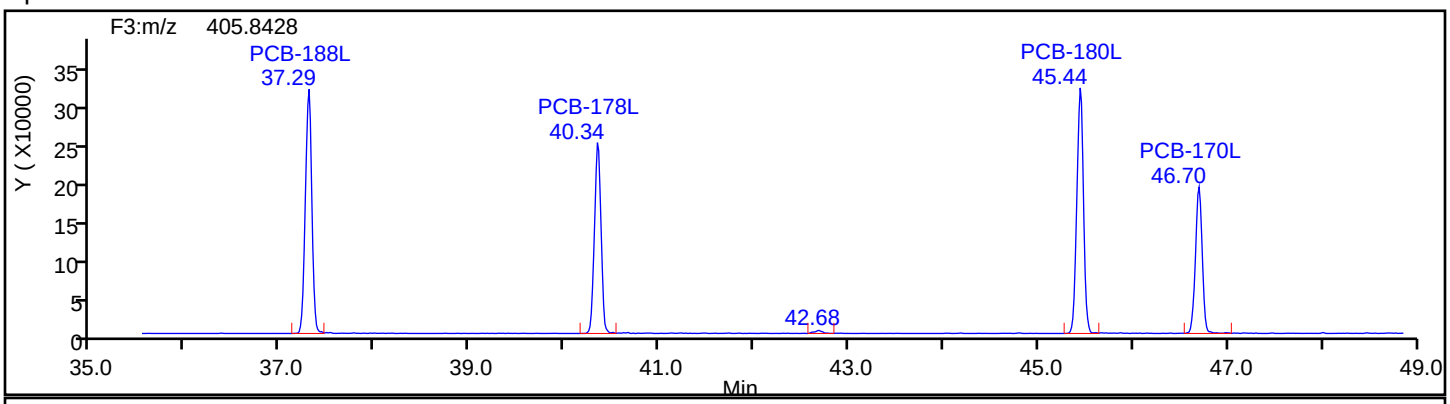
| | | | |
|---|---|---|---|
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

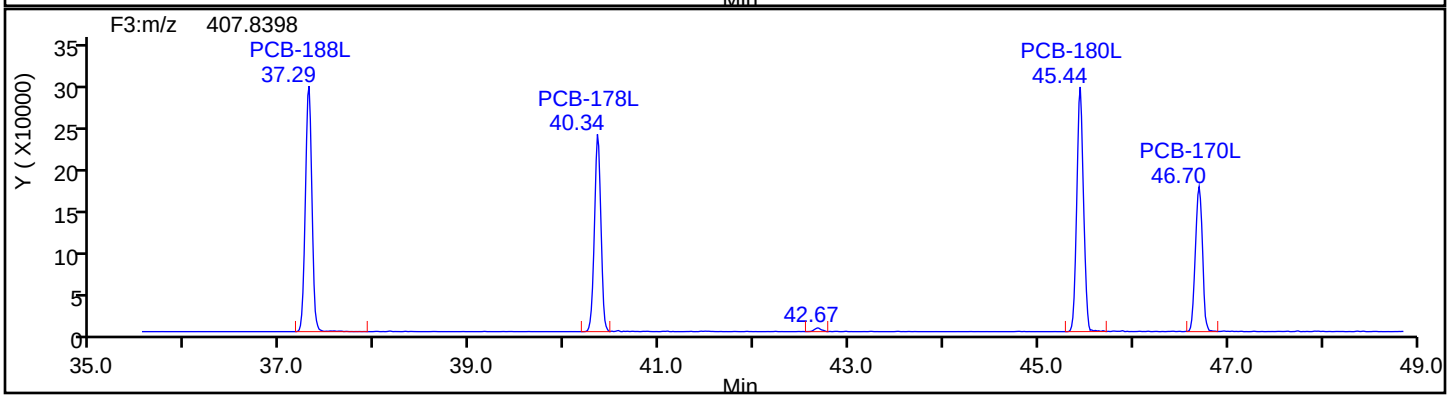
HpPCB F3




HpPCB F3 Standards

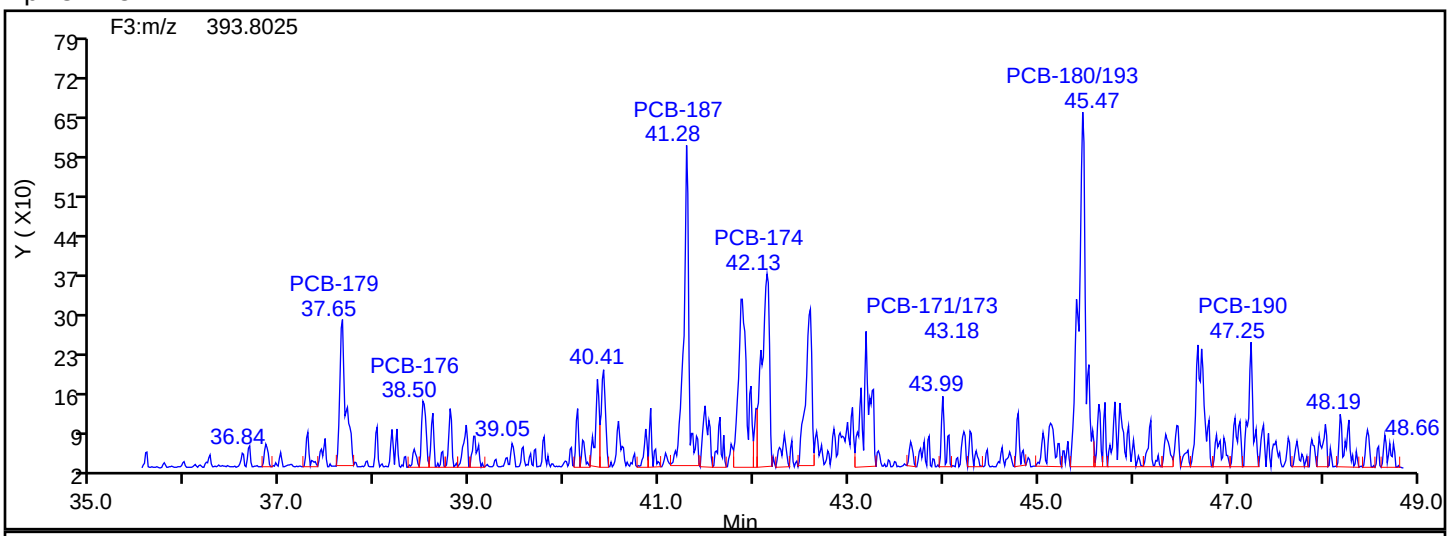


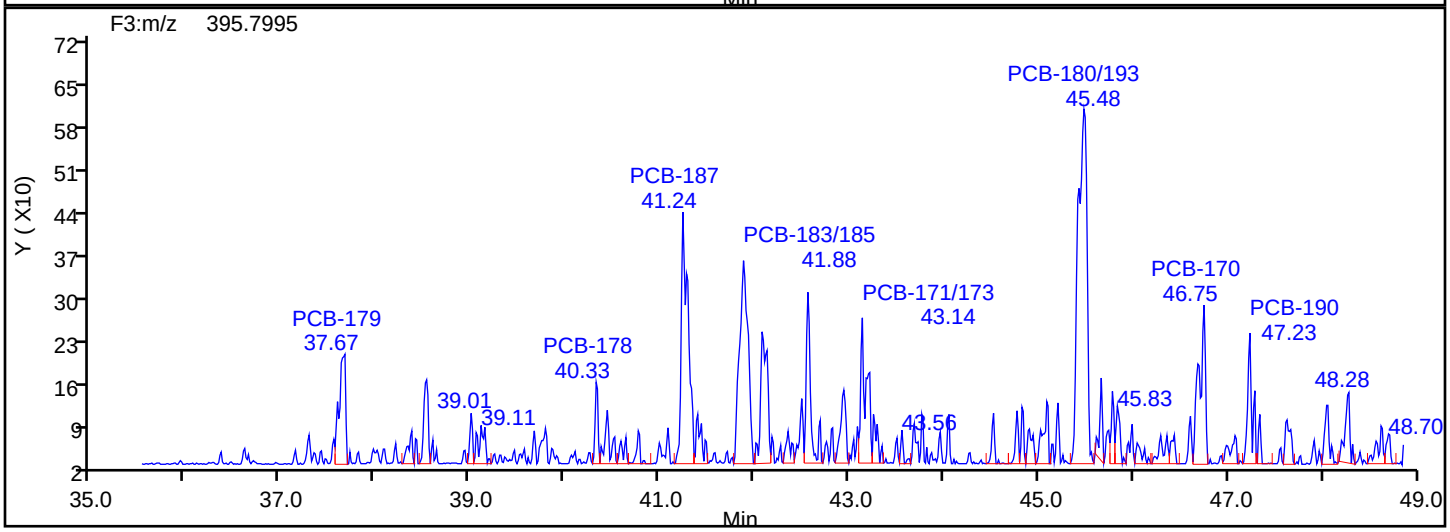



Eurofins TestAmerica, Knoxville

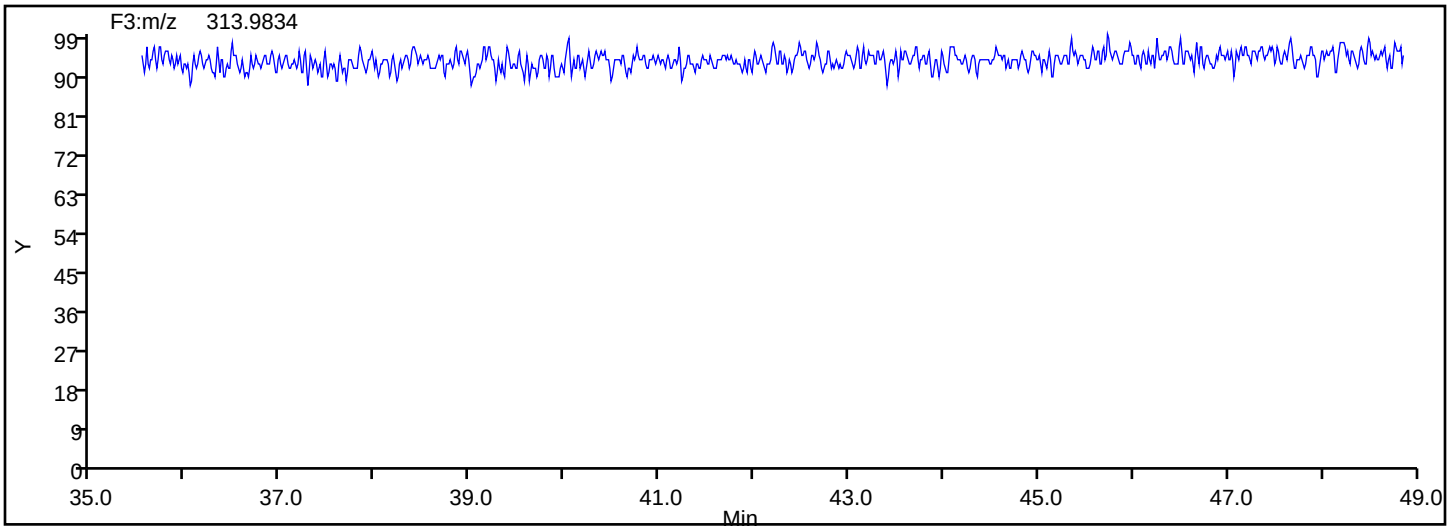
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

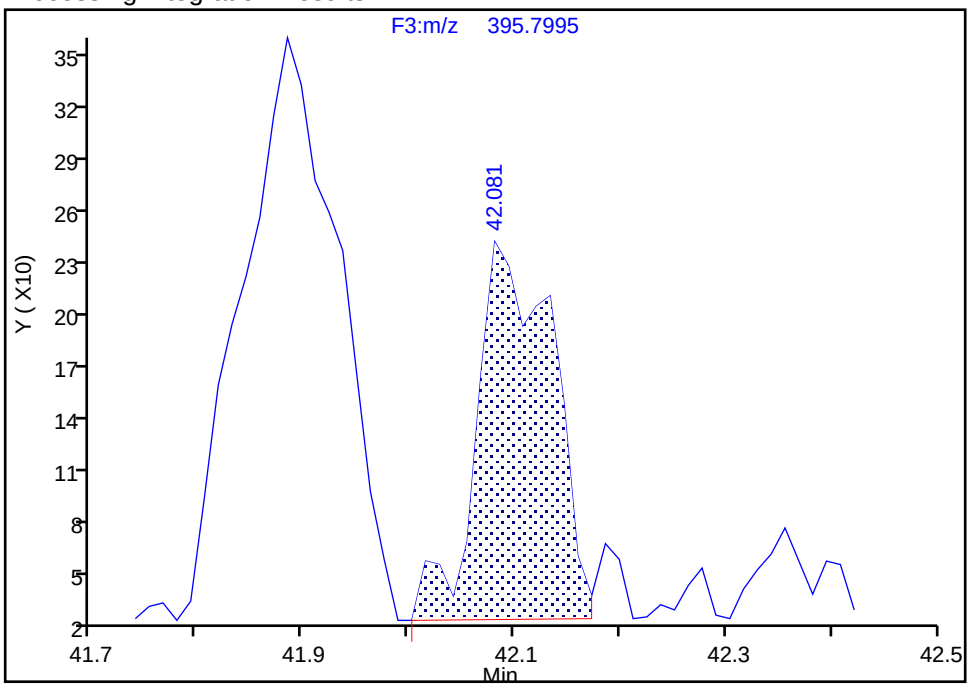
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-174, CAS: 38411-25-5

Signal: 2

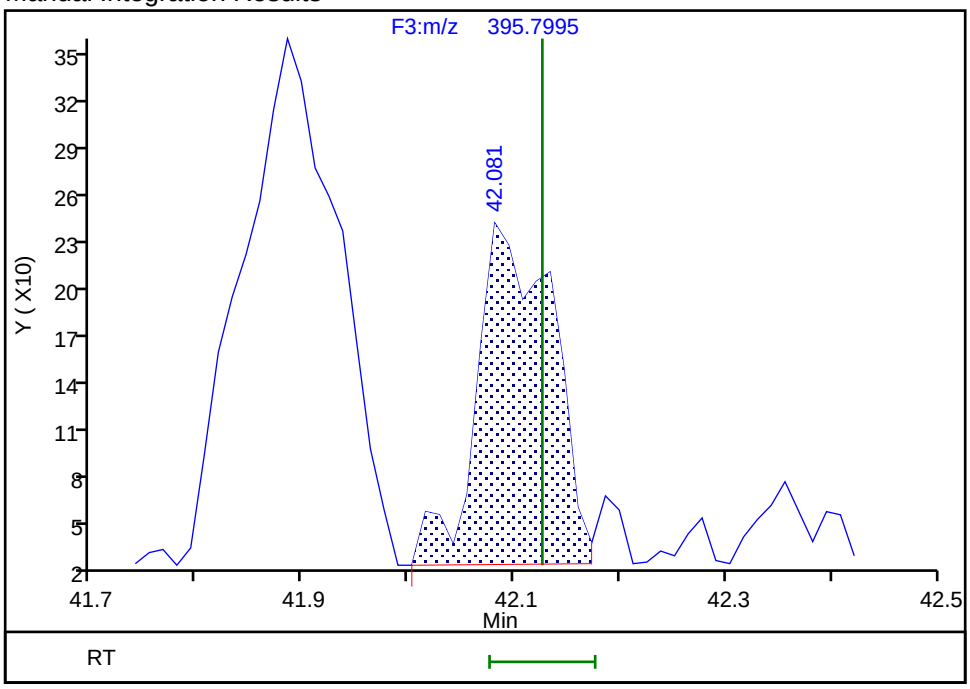
Processing Integration Results

RT: 42.08
Area: 1085
Amount: 0.109510
Amount Units: pg/ul




Manual Integration Results

RT: 42.08
Area: 1085
Amount: 0.130587
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:12:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

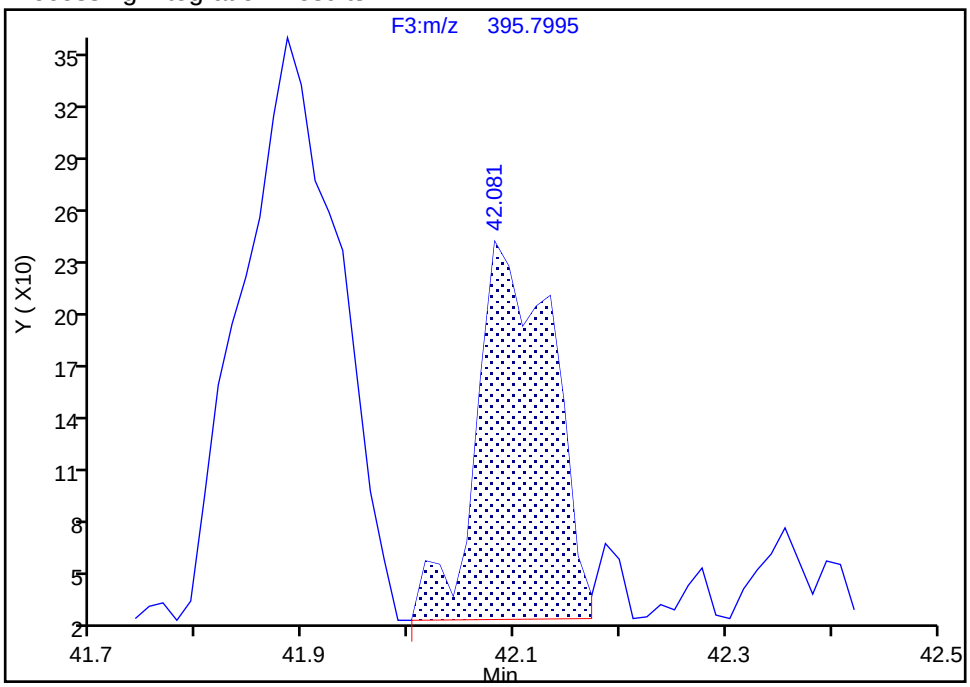
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-174, CAS: 38411-25-5

Signal: 3

Processing Integration Results

RT: 42.13
Area: 2520
Amount: 0.109510
Amount Units: pg/ul




Manual Integration Results

RT: 42.13
Area: 3005
Amount: 0.130587
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:12:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

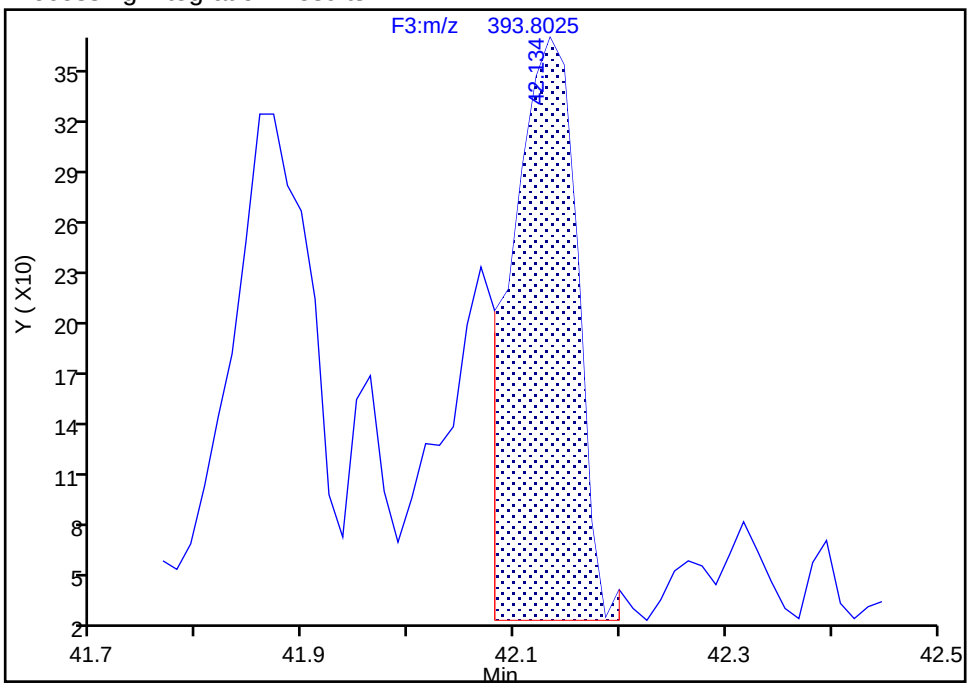
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-174, CAS: 38411-25-5

Signal: 1

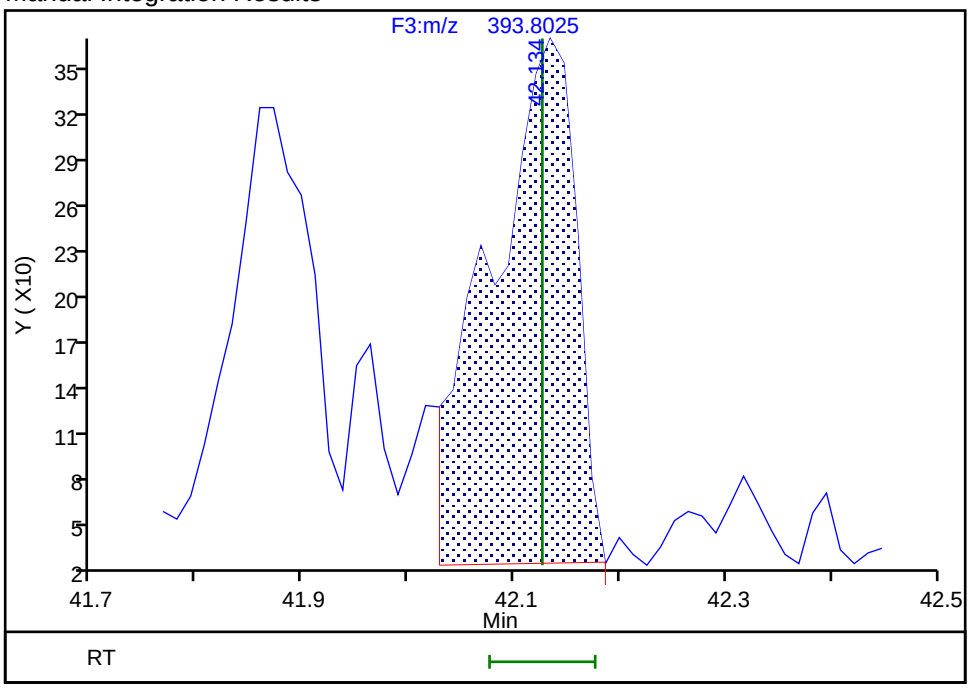
Processing Integration Results

RT: 42.13
Area: 1435
Amount: 0.109510
Amount Units: pg/ul




Manual Integration Results

RT: 42.13
Area: 1920
Amount: 0.130587
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:12:51
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

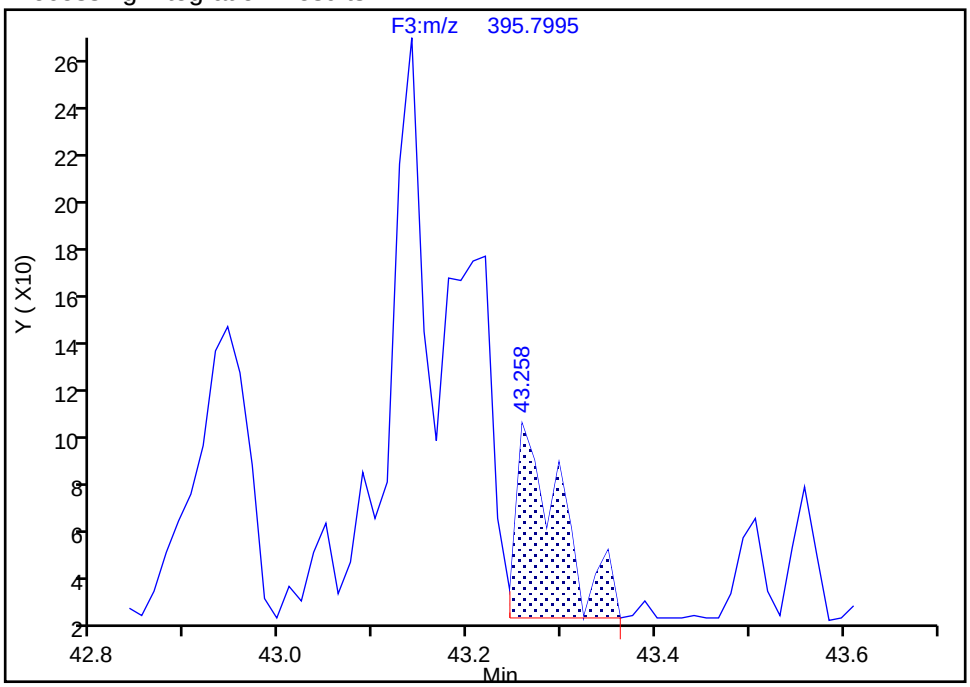
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-171/173, CAS: STL01823

Signal: 2

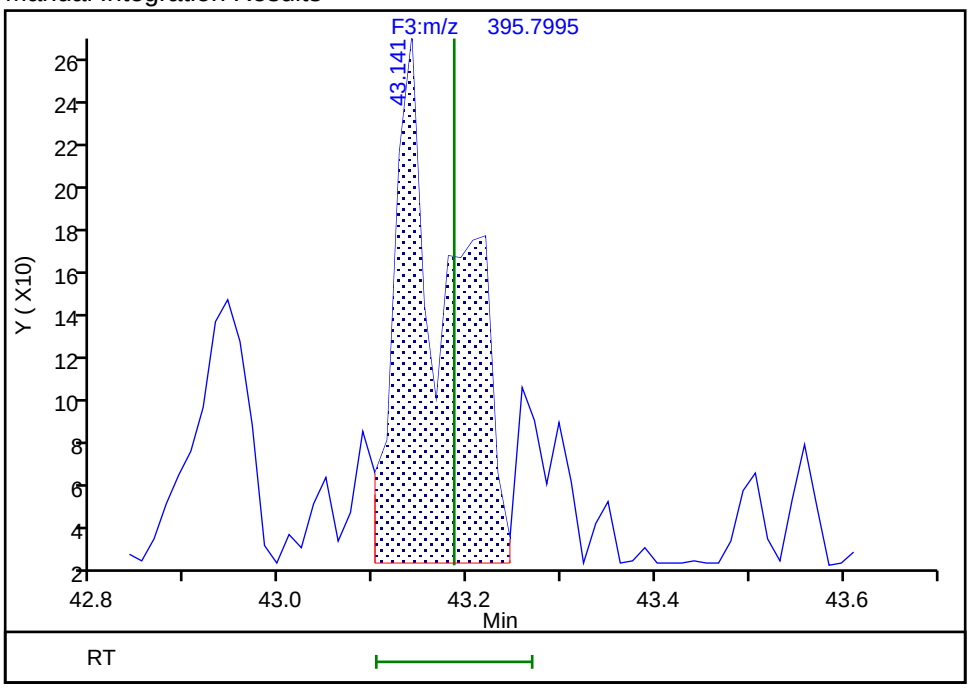
Processing Integration Results

RT: 43.26
Area: 261
Amount: 0.102213
Amount Units: pg/ul




Manual Integration Results

RT: 43.14
Area: 1030
Amount: 0.101522
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:13:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

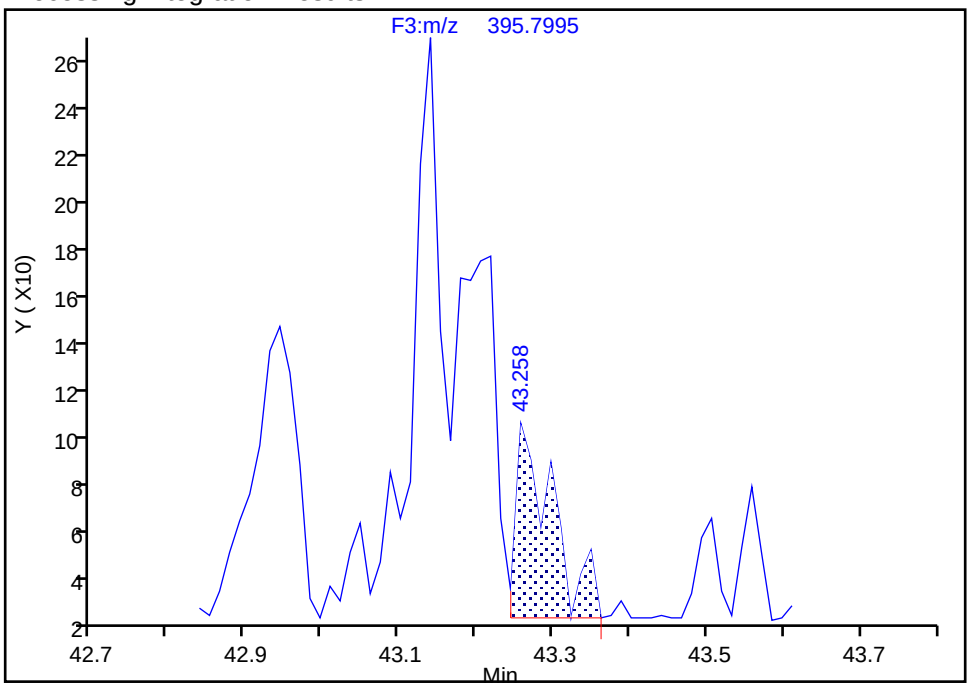
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-171/173, CAS: STL01823

Signal: 3

Processing Integration Results

RT: 43.18
Area: 2366
Amount: 0.102213
Amount Units: pg/ul




Manual Integration Results

RT: 43.18
Area: 2350
Amount: 0.101522
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:13:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

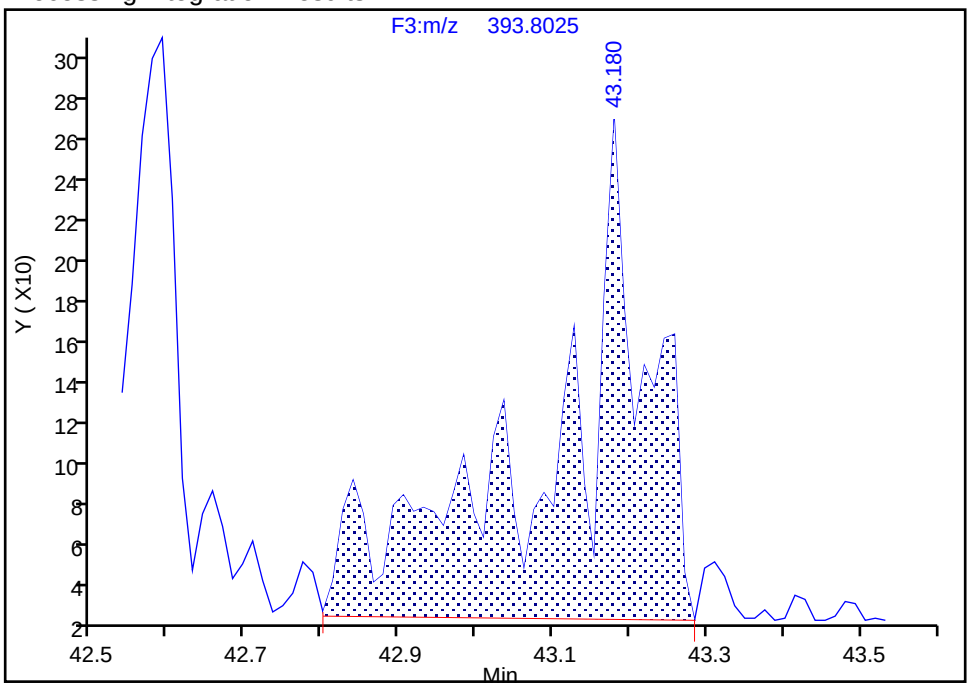
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-171/173, CAS: STL01823

Signal: 1

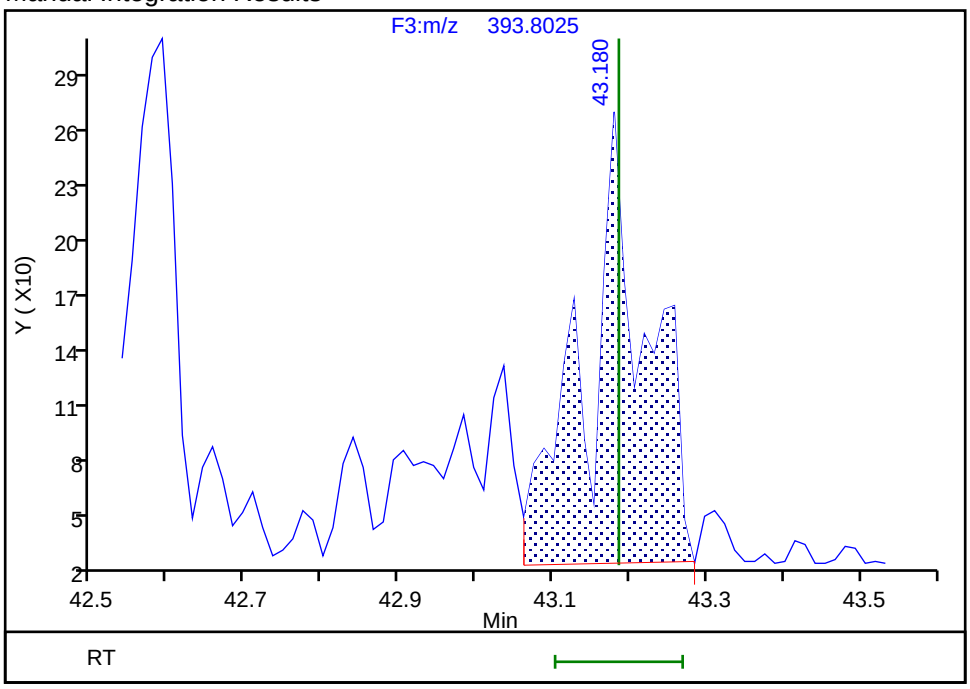
Processing Integration Results

RT: 43.18
Area: 2105
Amount: 0.102213
Amount Units: pg/ul




Manual Integration Results

RT: 43.18
Area: 1320
Amount: 0.101522
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:13:28

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

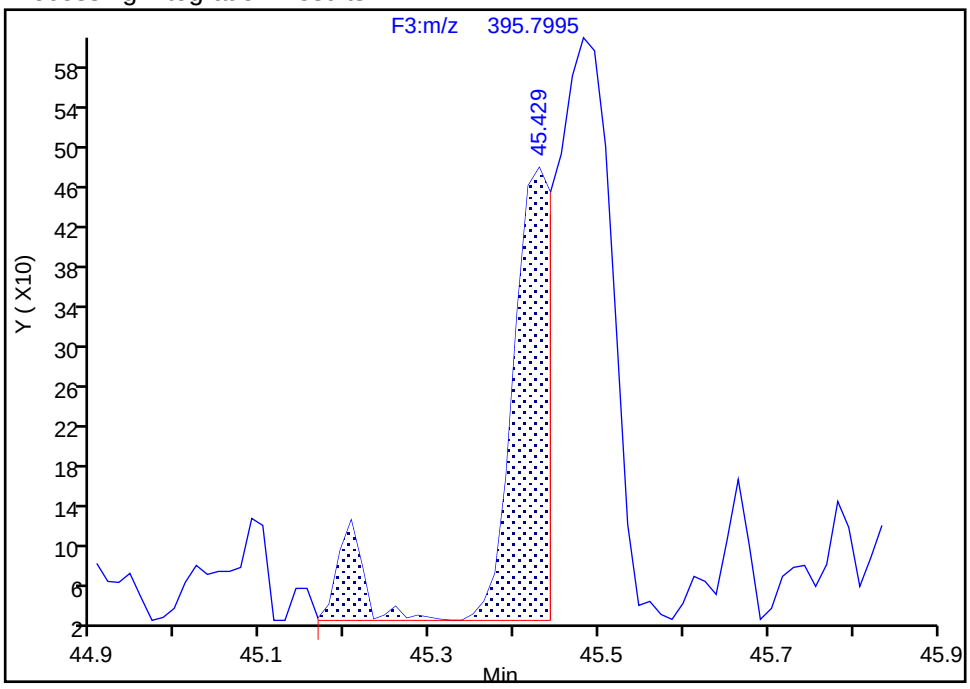
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 2

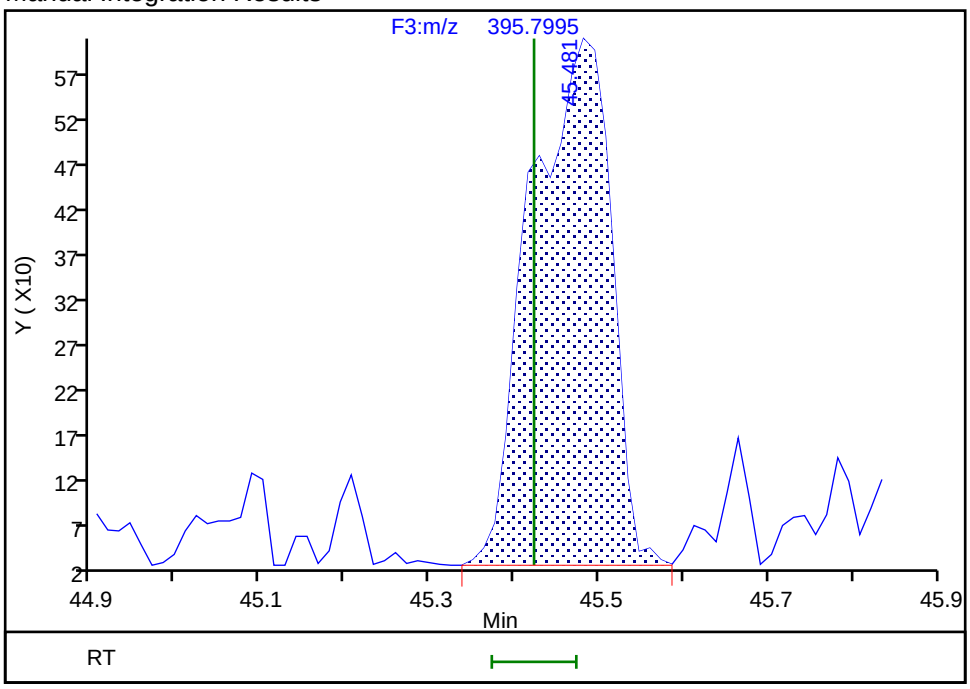
Processing Integration Results

RT: 45.43
Area: 1488
Amount: 0.079659
Amount Units: pg/ul




Manual Integration Results

RT: 45.48
Area: 3845
Amount: 0.244144
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:14:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

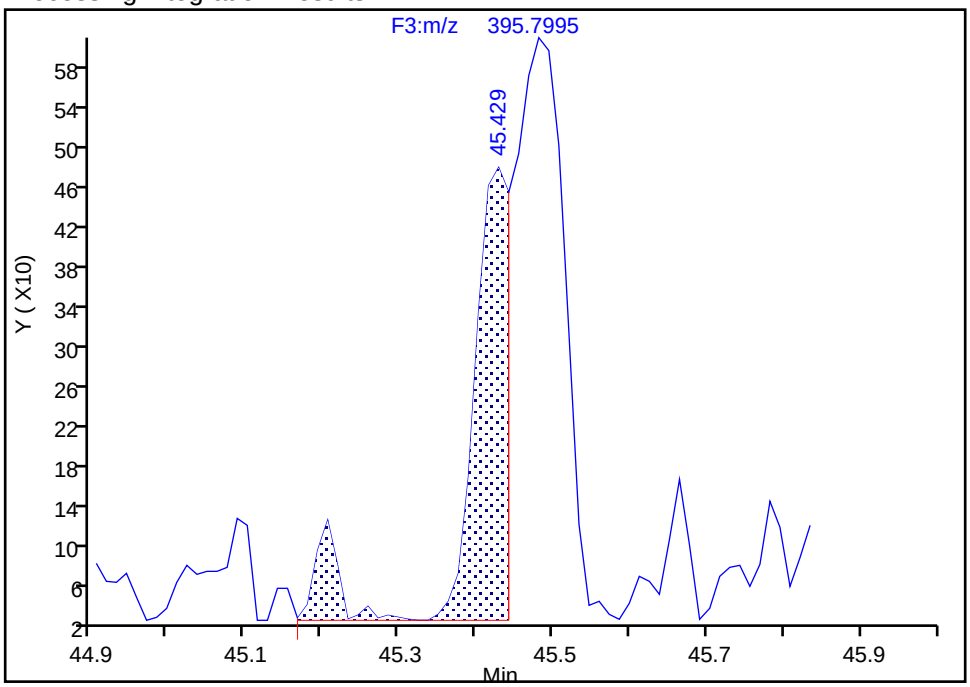
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 3

Processing Integration Results

RT: 45.40
Area: 2359
Amount: 0.079659
Amount Units: pg/ul




Manual Integration Results

RT: 45.47
Area: 7230
Amount: 0.244144
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:14:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

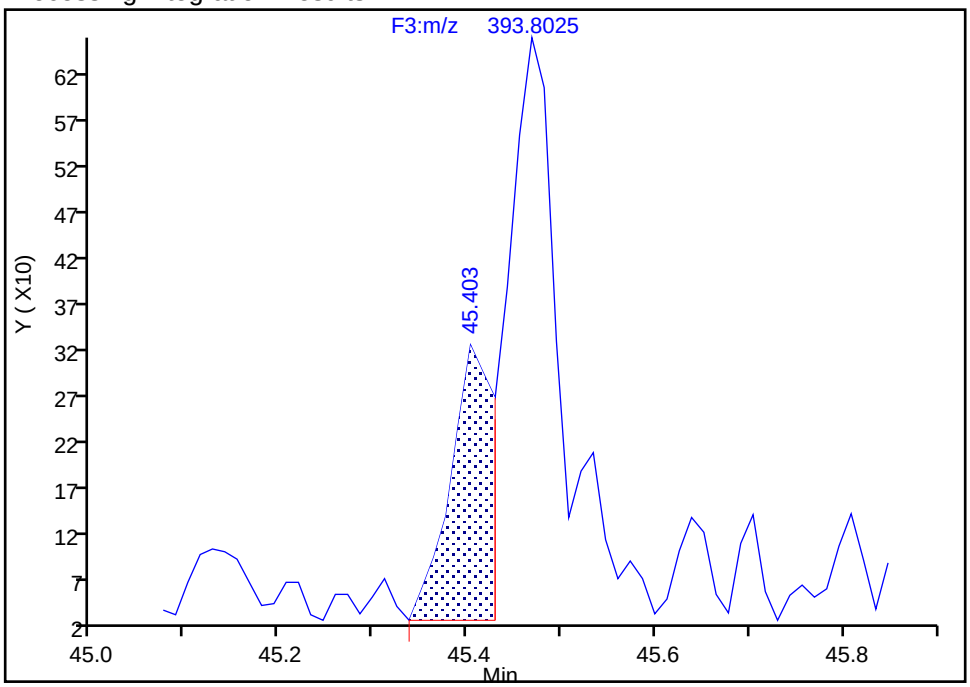
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-180/193, CAS: STL01824

Signal: 1

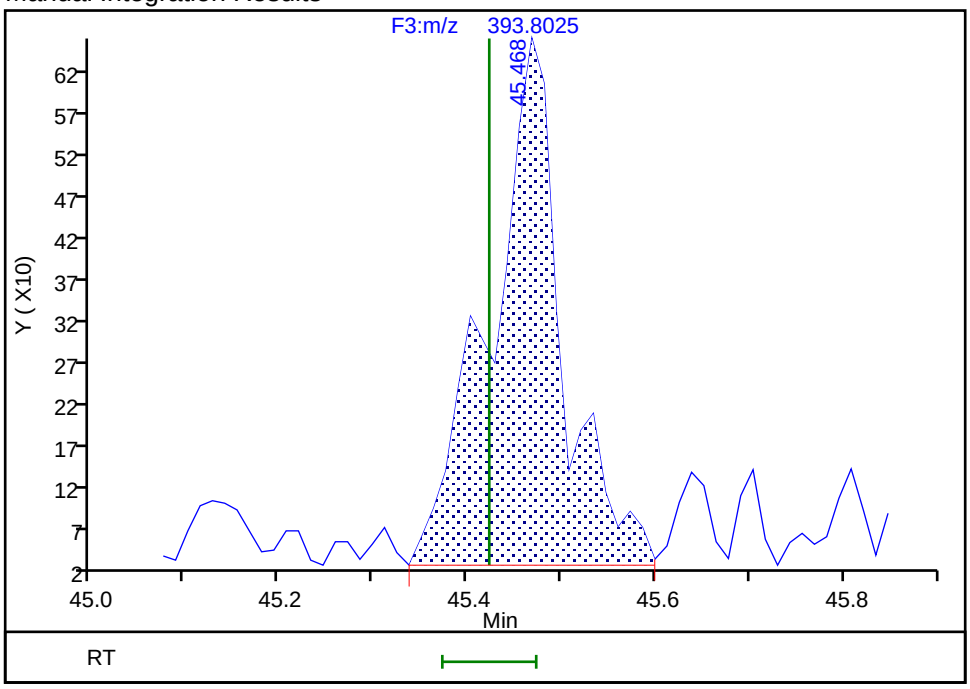
Processing Integration Results

RT: 45.40
Area: 871
Amount: 0.079659
Amount Units: pg/ul




Manual Integration Results

RT: 45.47
Area: 3385
Amount: 0.244144
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:14:18
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

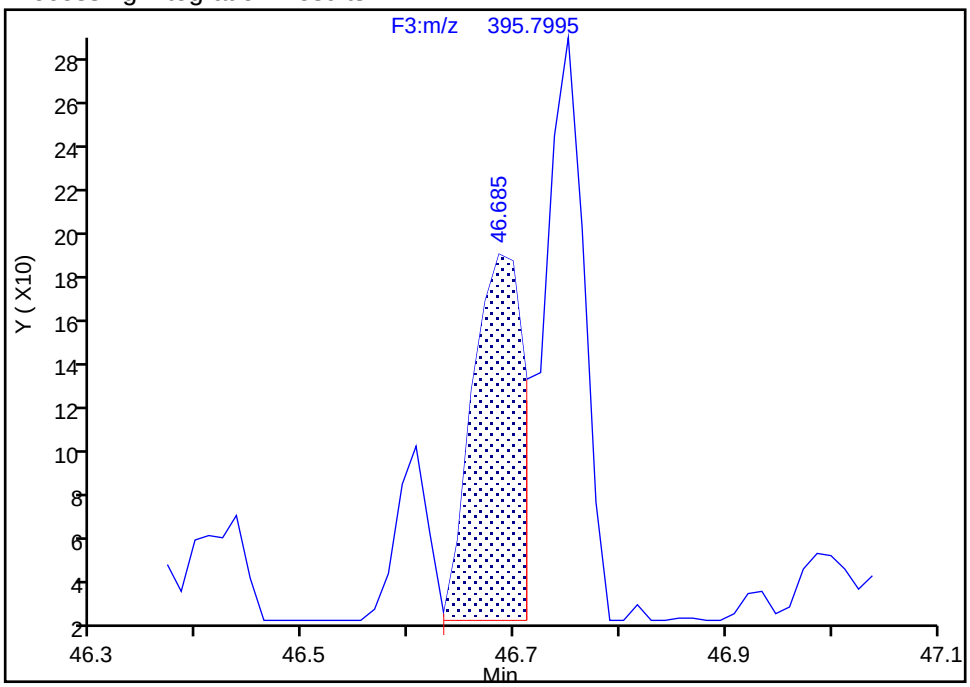
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-170, CAS: 35065-30-6

Signal: 2

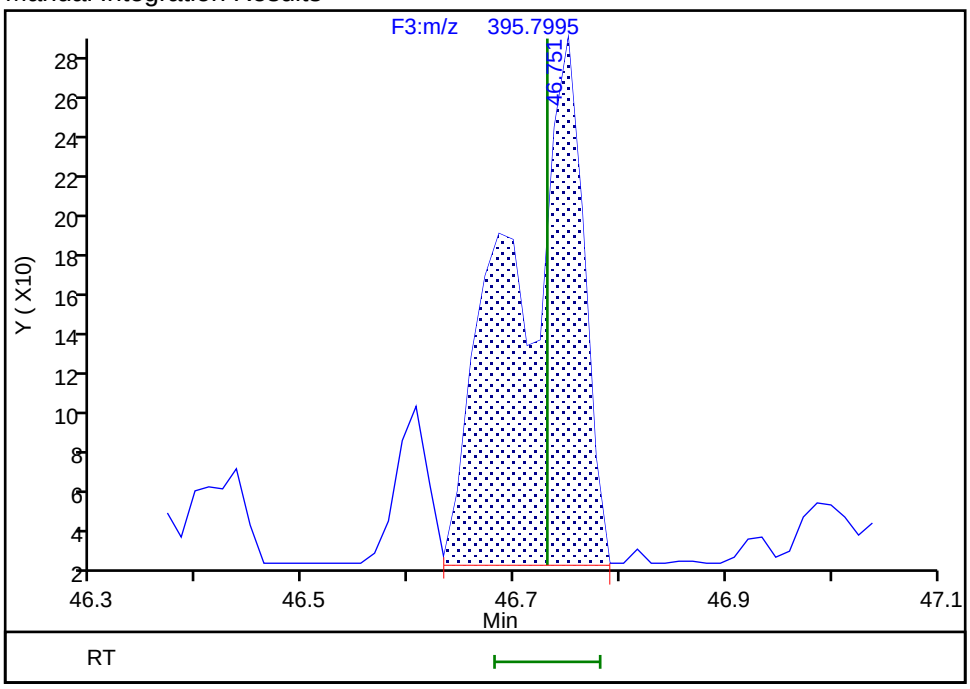
Processing Integration Results

RT: 46.69
Area: 520
Amount: 0.076494
Amount Units: pg/ul




Manual Integration Results

RT: 46.75
Area: 1215
Amount: 0.105769
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:15:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

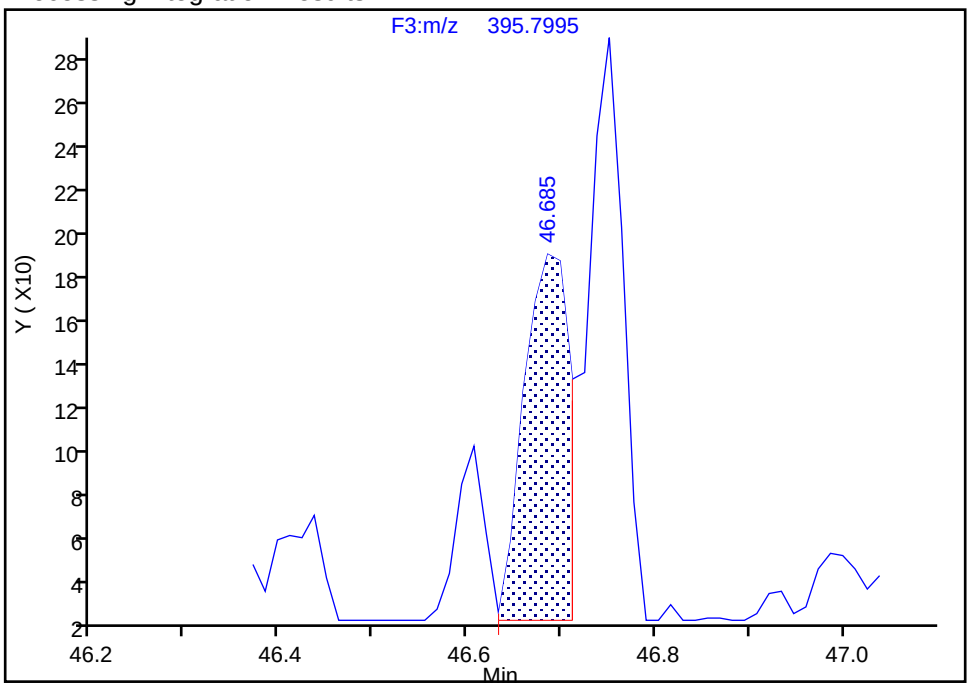
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-170, CAS: 35065-30-6

Signal: 3

Processing Integration Results

RT: 46.69
Area: 1816
Amount: 0.076494
Amount Units: pg/ul




Manual Integration Results

RT: 46.69
Area: 2511
Amount: 0.105769
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:15:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

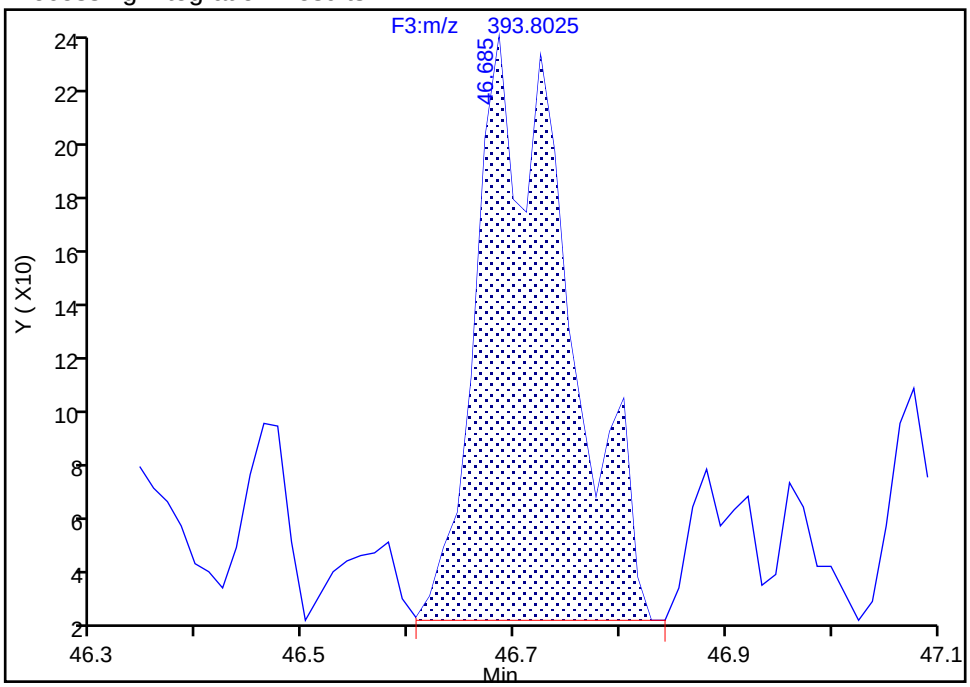
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-170, CAS: 35065-30-6

Signal: 1

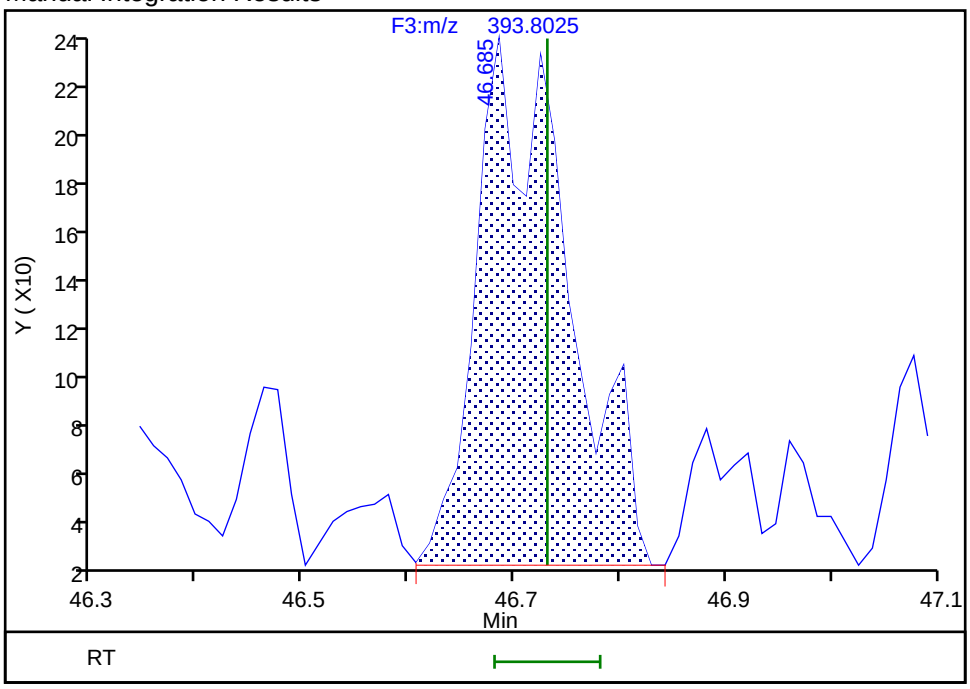
Processing Integration Results

RT: 46.69
Area: 1296
Amount: 0.076494
Amount Units: pg/ul




Manual Integration Results

RT: 46.69
Area: 1296
Amount: 0.105769
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:15:48

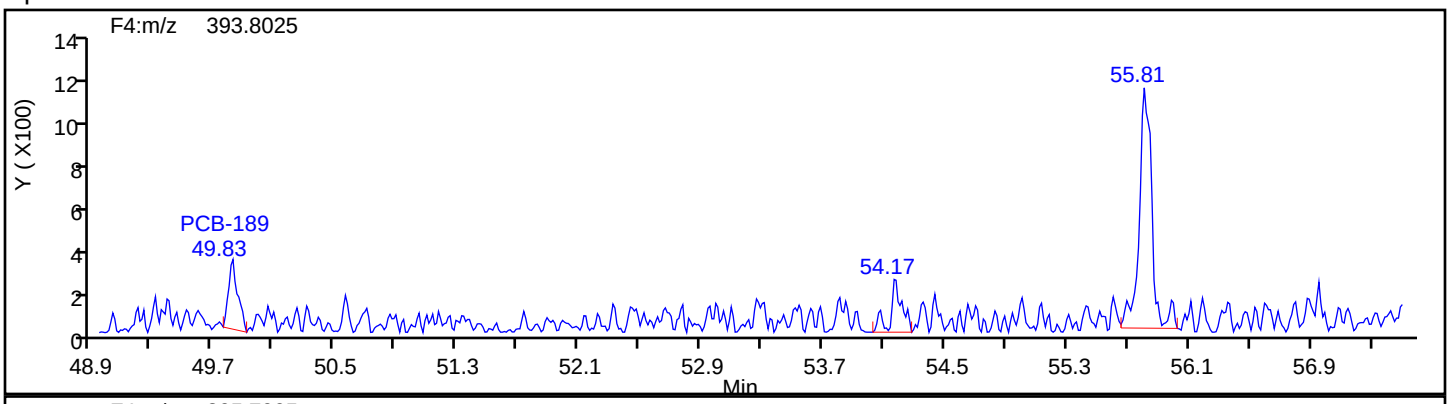
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

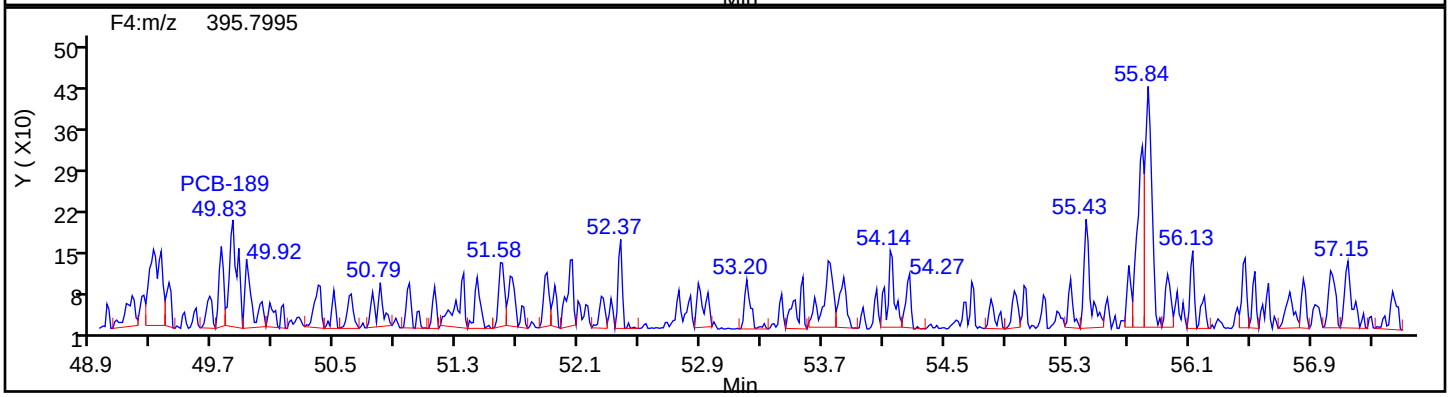
Report Date: 09-Oct-2019 23:16:07 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

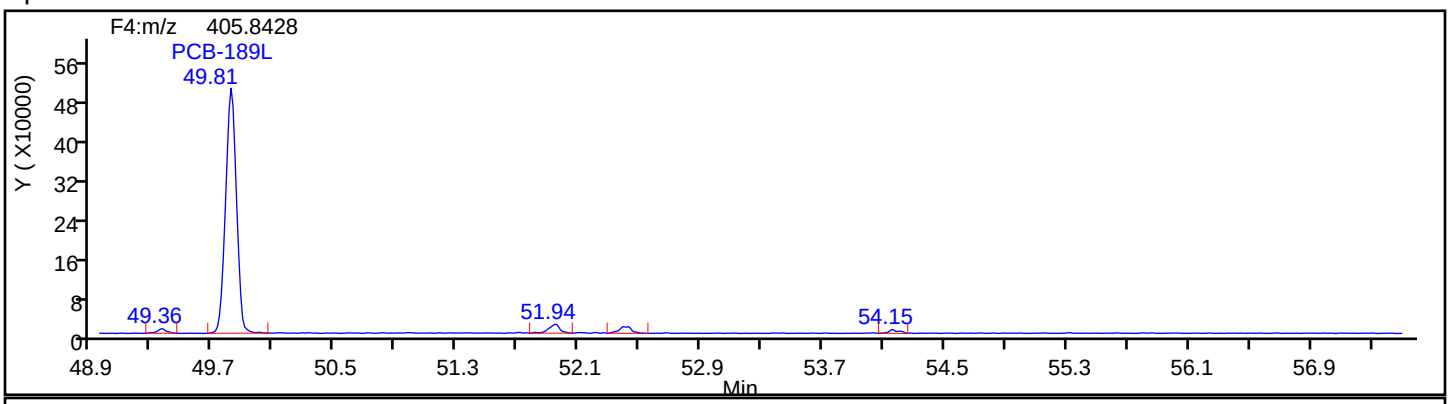
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

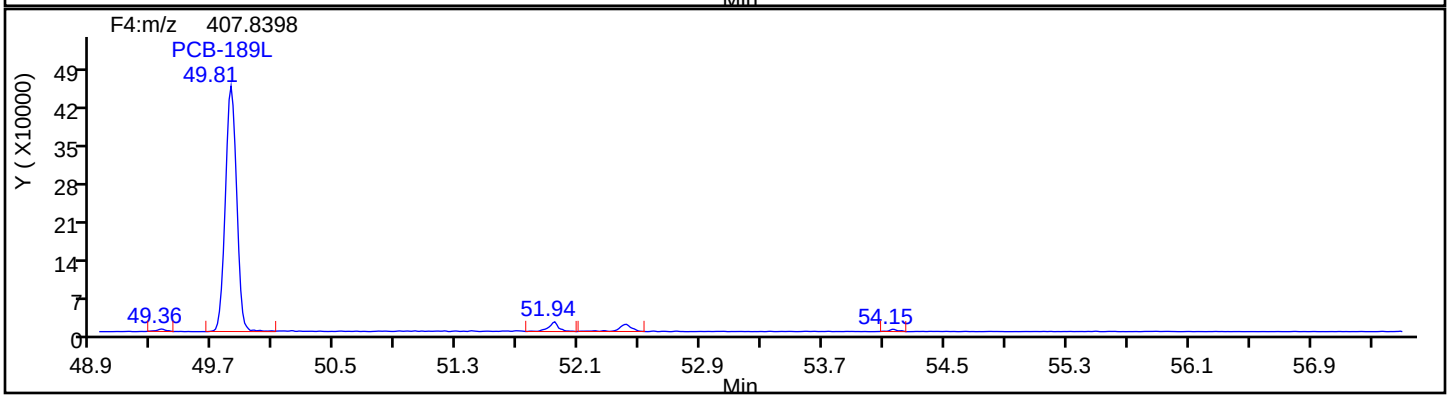
HpPCB F4




HpPCB F4 Standards

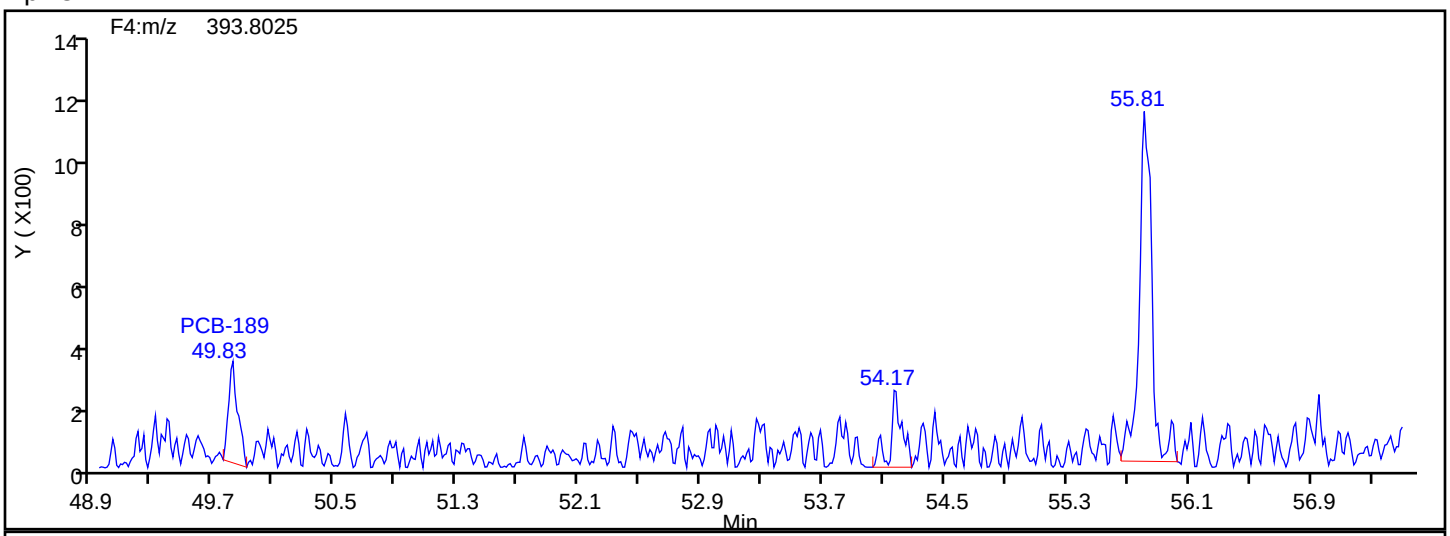


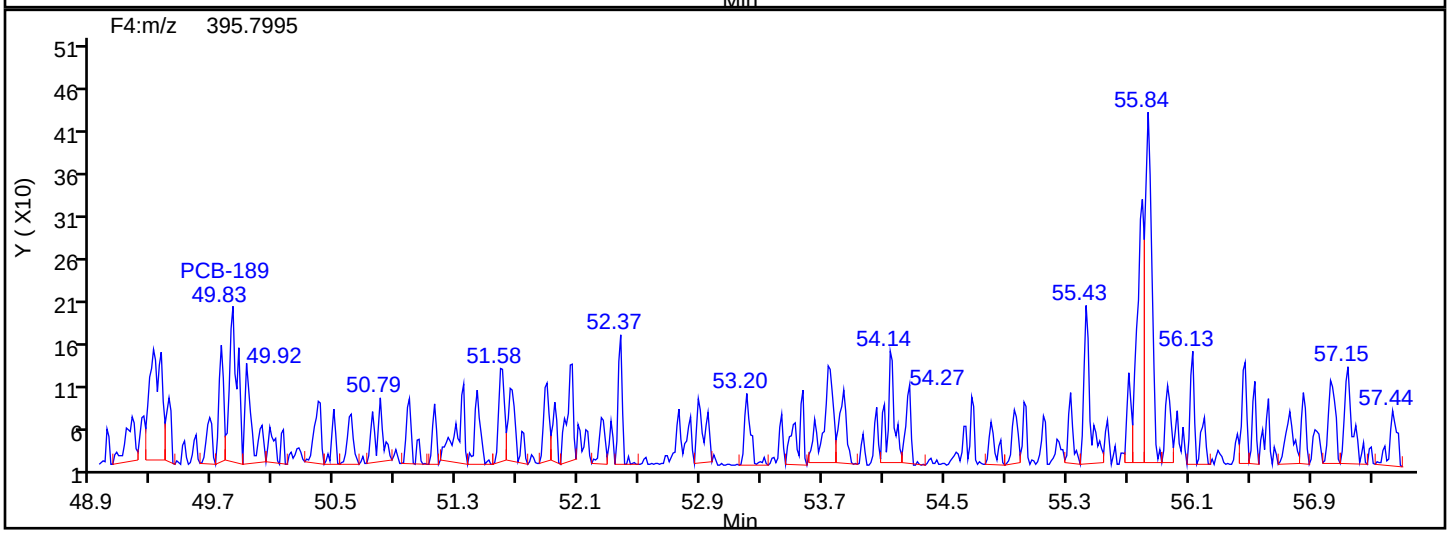



Eurofins TestAmerica, Knoxville

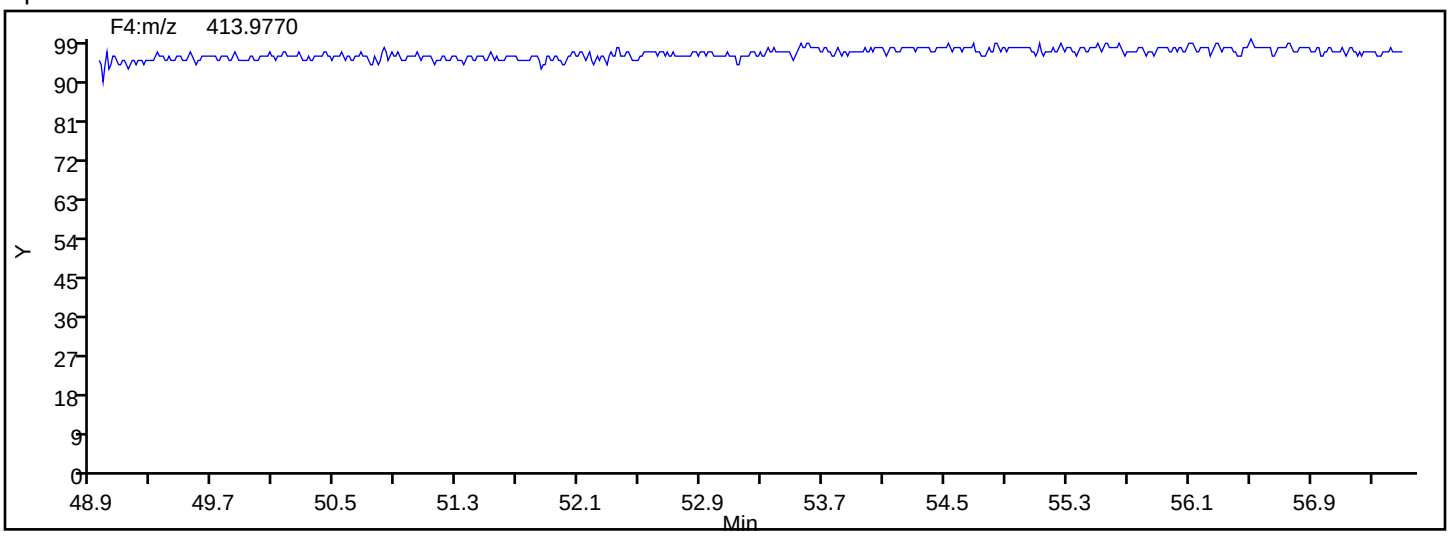
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



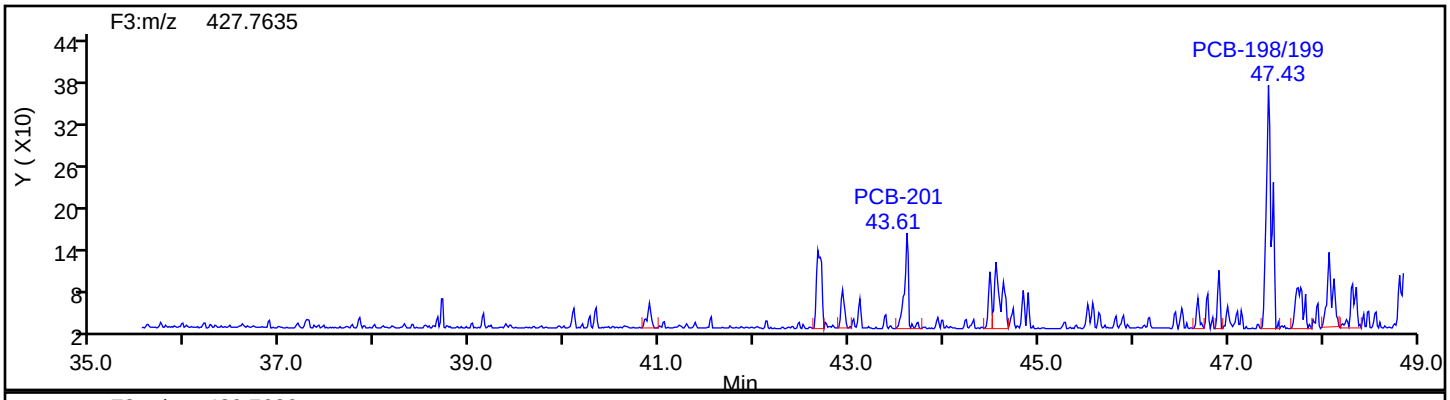

HpPCB F4 Lock Mass

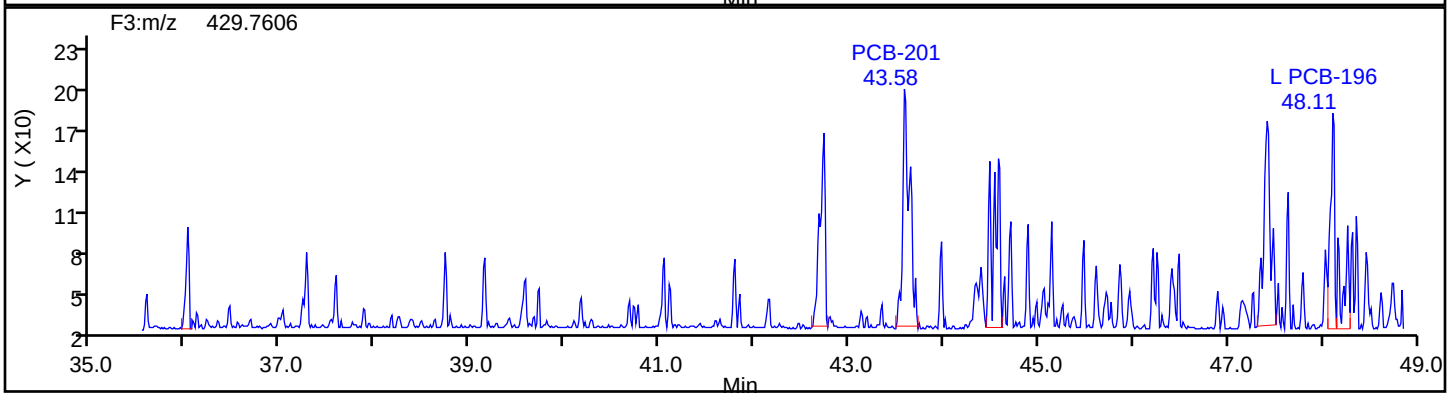


Eurofins TestAmerica, Knoxville

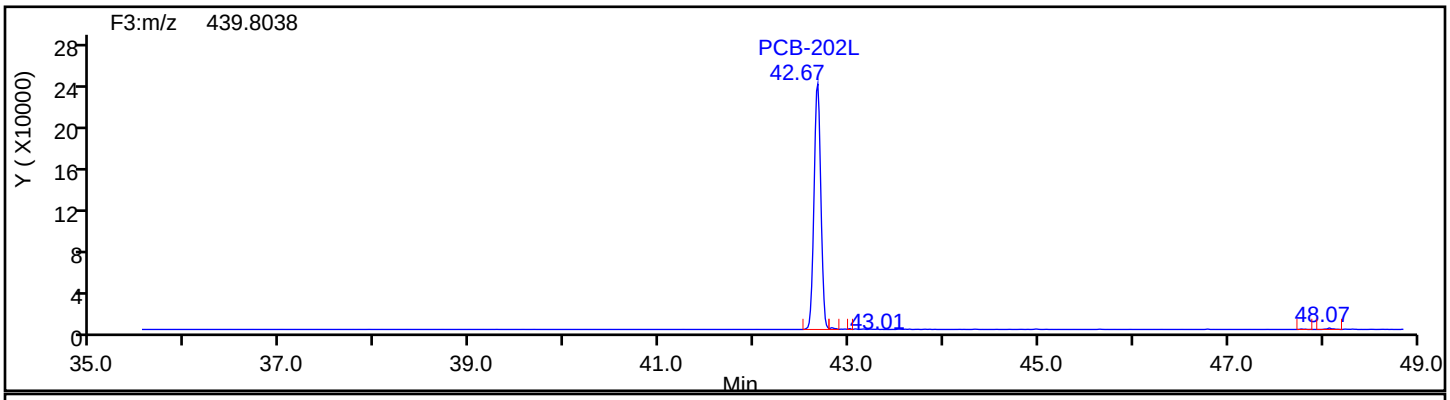
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

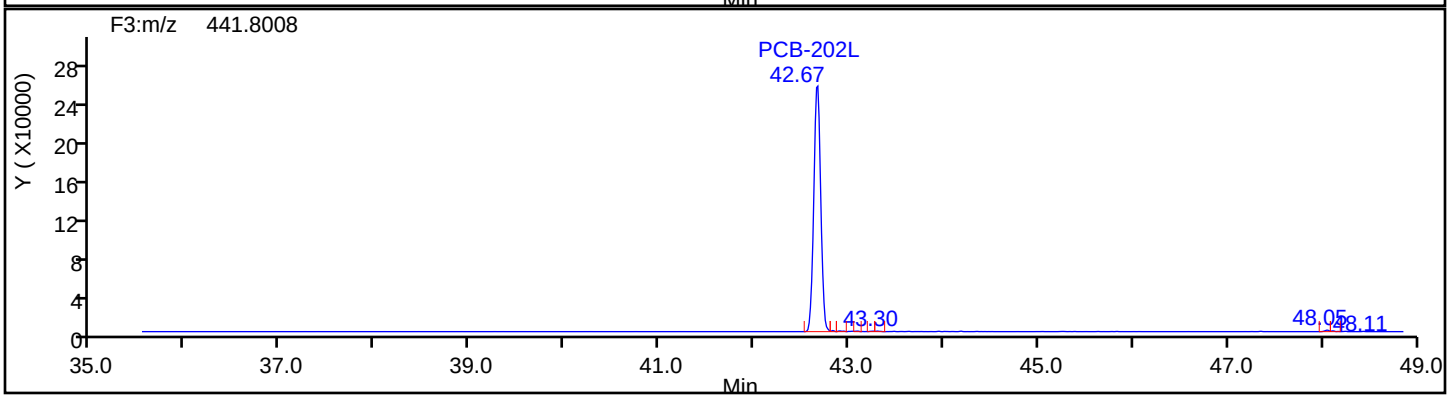
OcPCB F3




OcPCB F3 Standards

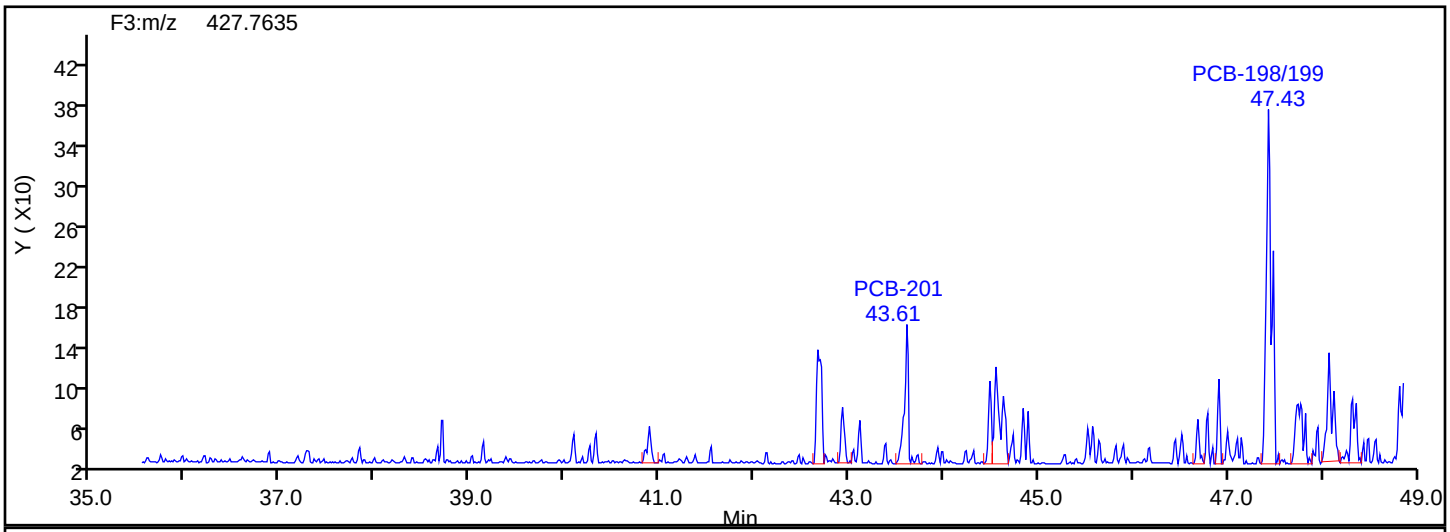


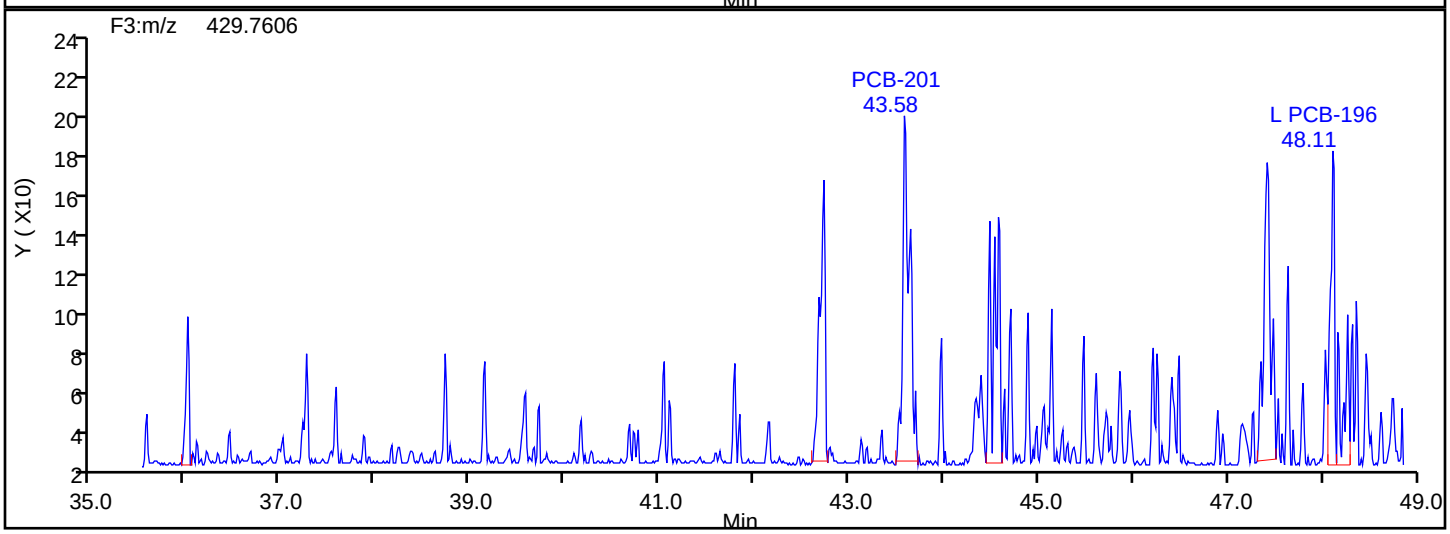



Eurofins TestAmerica, Knoxville

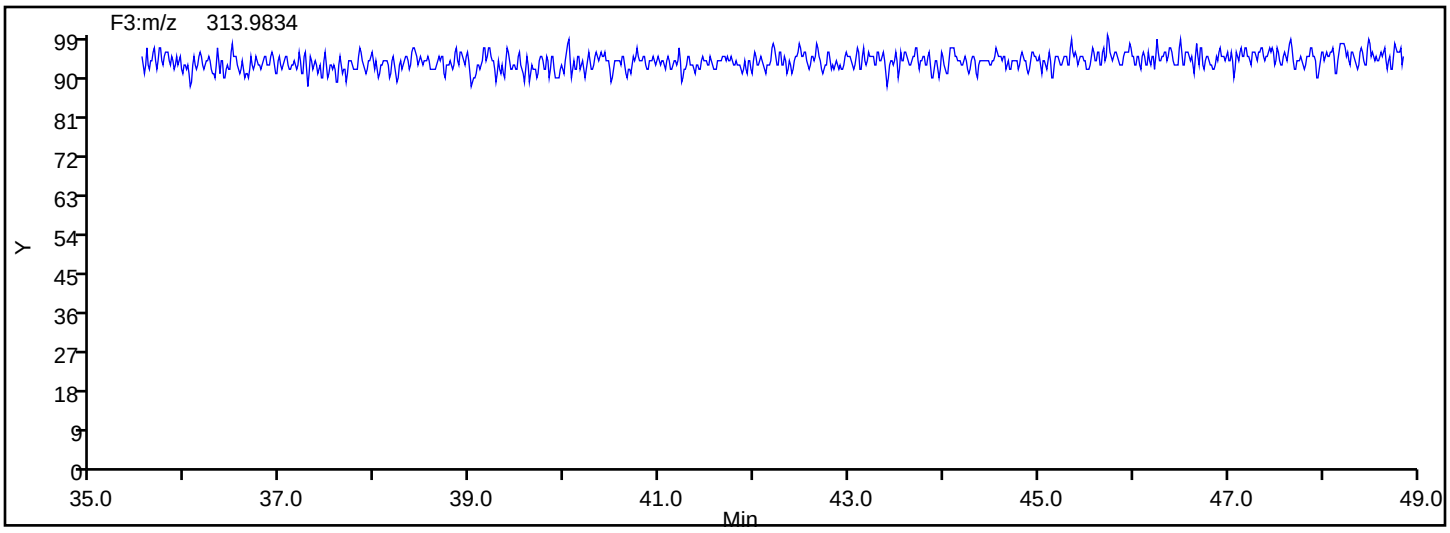
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass

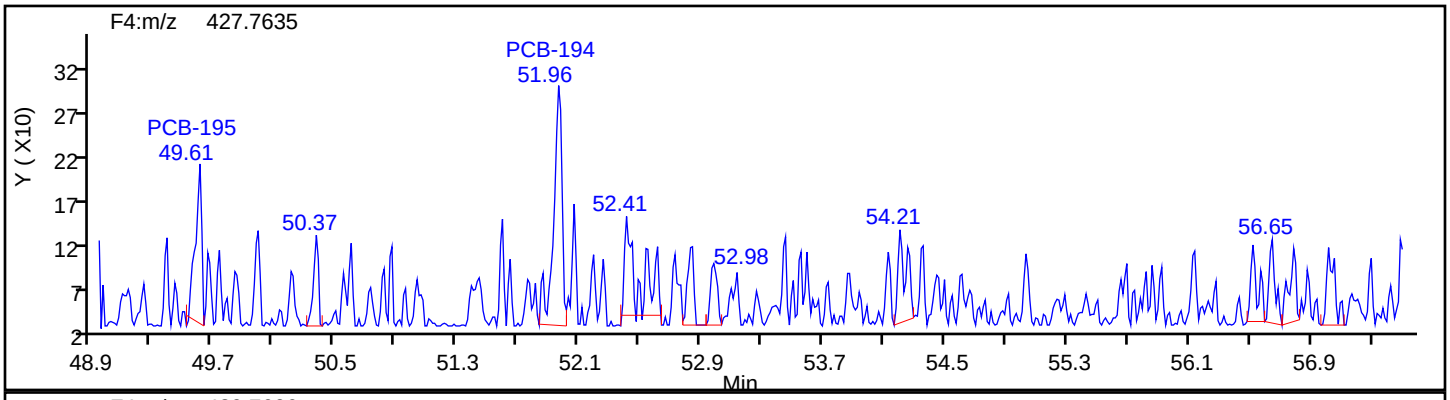


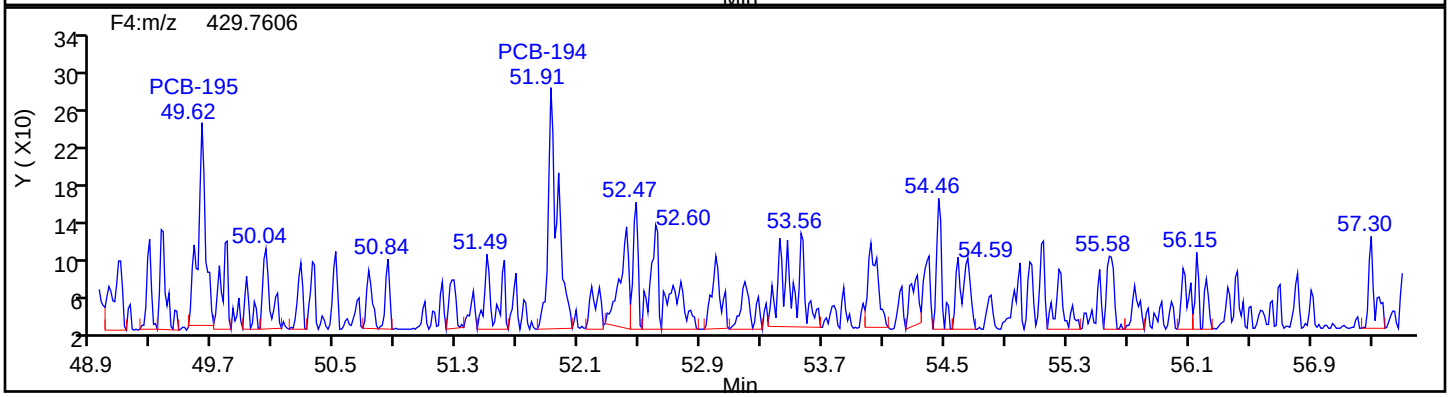
Report Date: 09-Oct-2019 23:16:08 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

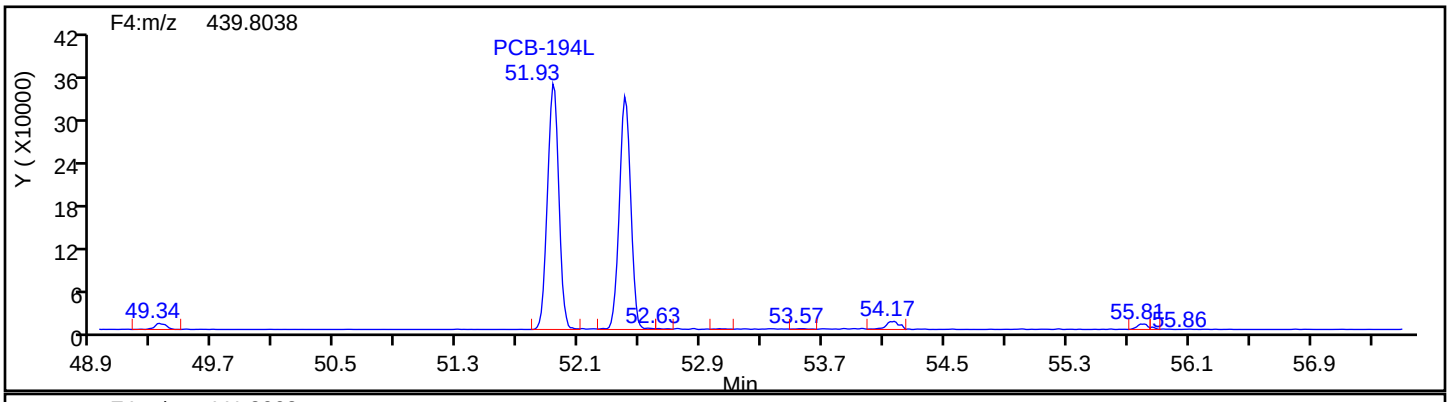
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

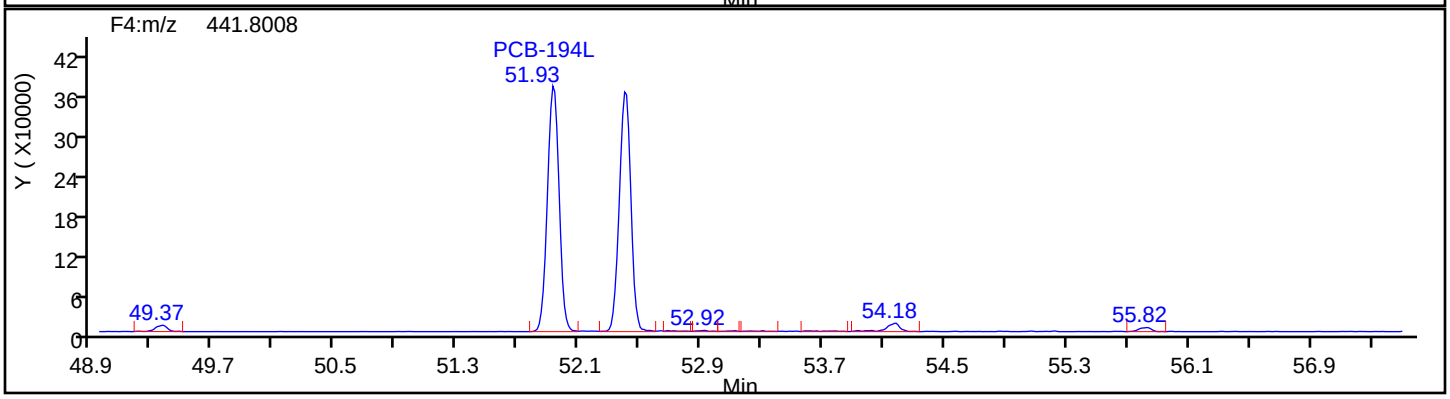
OcPCB F4




OcPCB F4 Standards

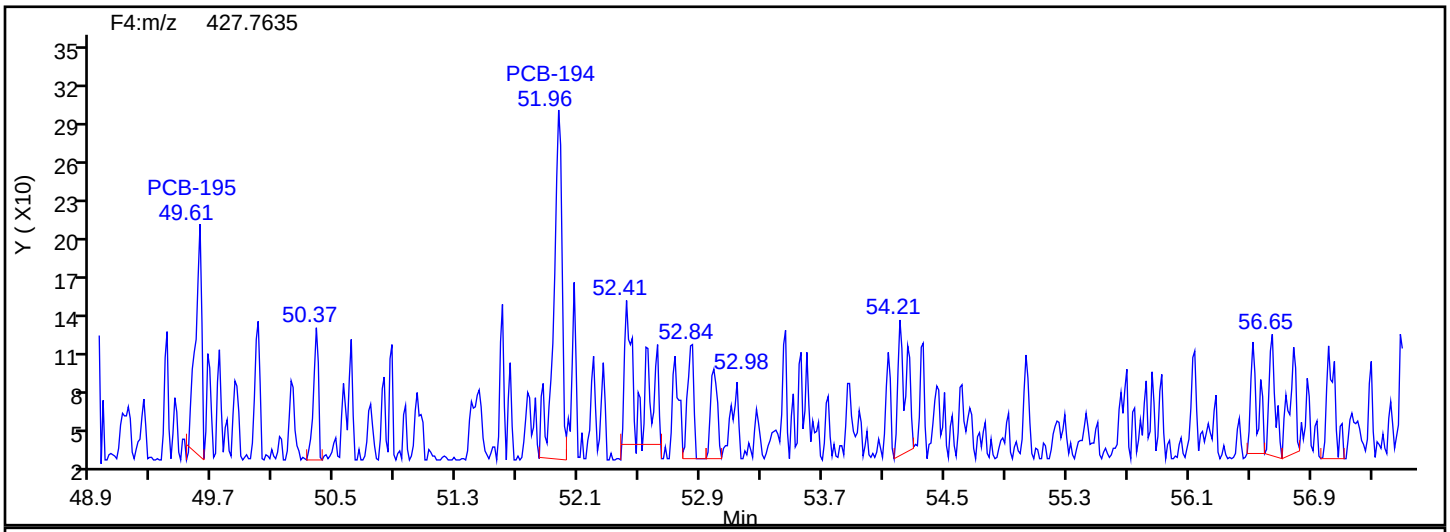


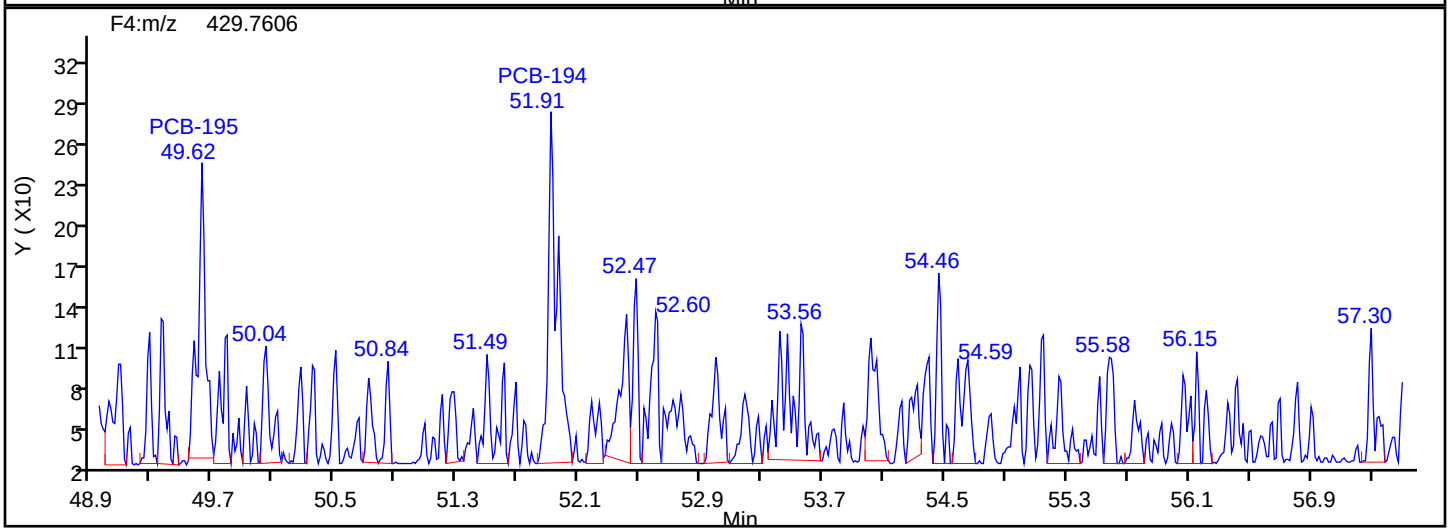



Eurofins TestAmerica, Knoxville

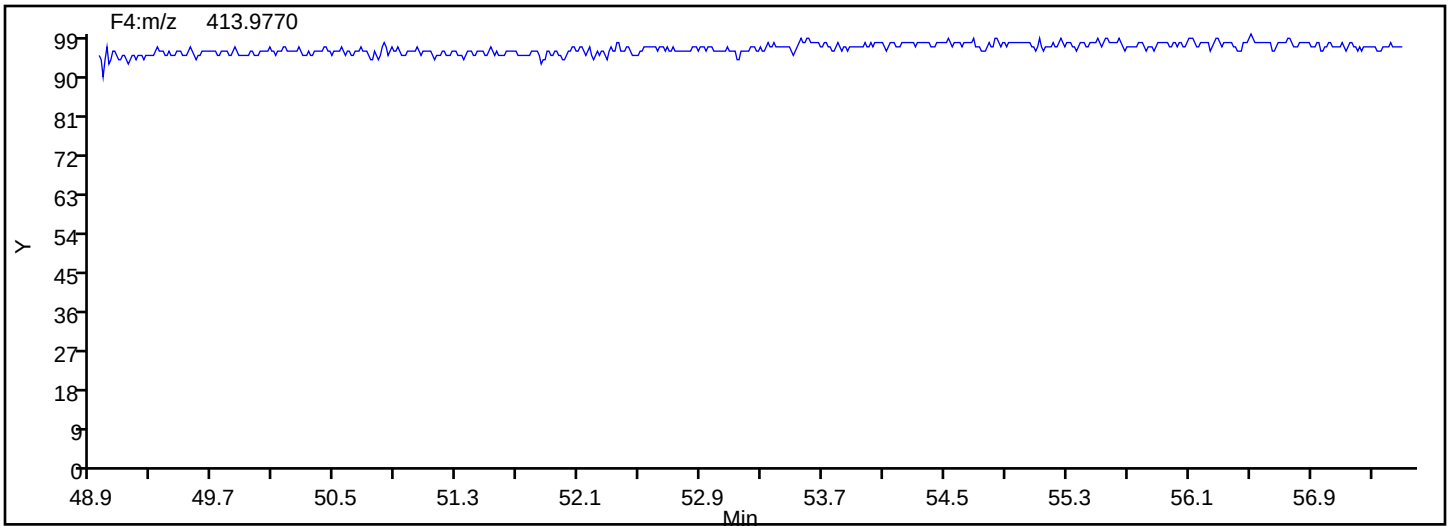
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

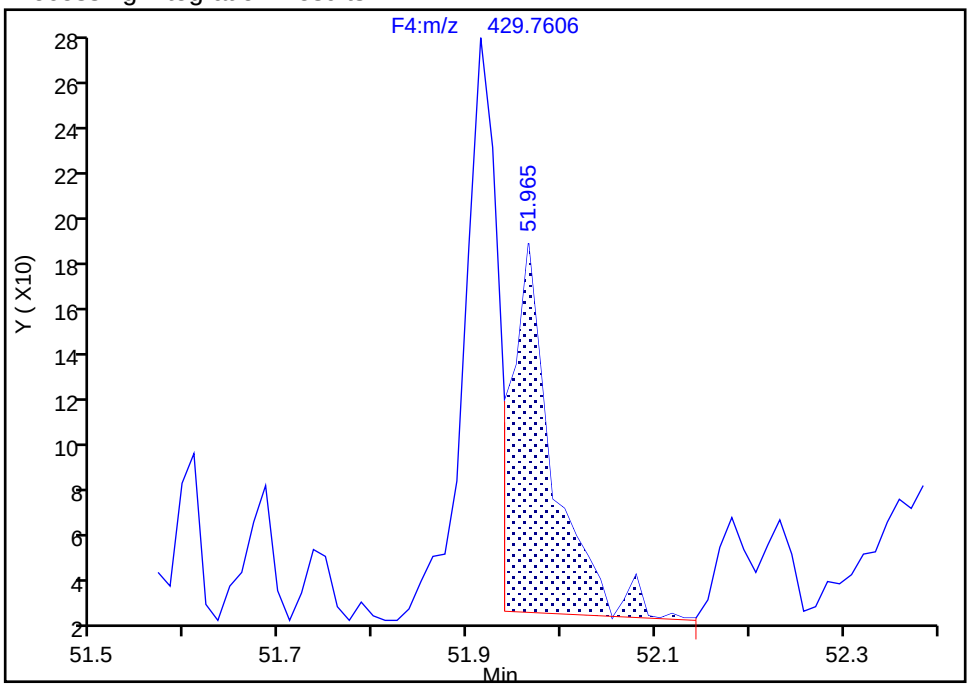
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-194, CAS: 35694-08-7

Signal: 2

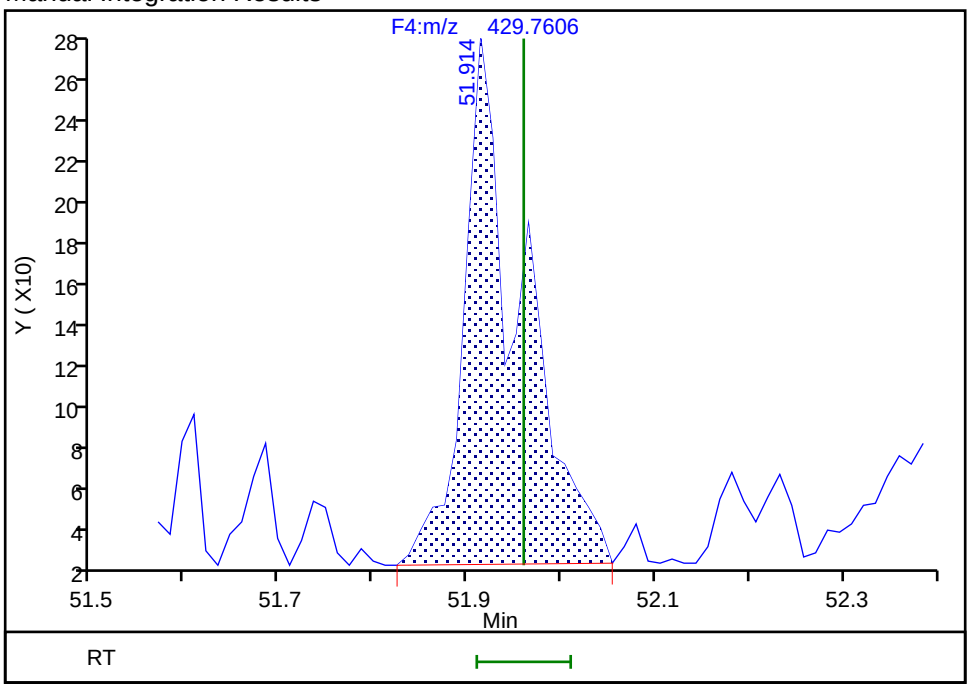
Processing Integration Results

RT: 51.96
Area: 479
Amount: 0.048022
Amount Units: pg/ul




Manual Integration Results

RT: 51.91
Area: 1088
Amount: 0.063364
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:16:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

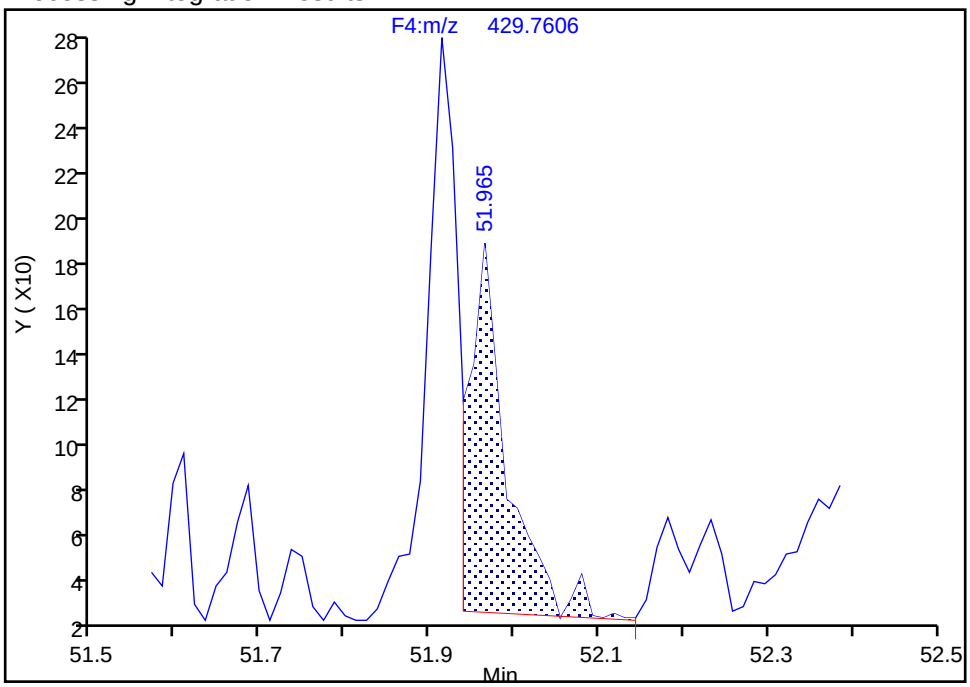
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d
Injection Date: 09-Oct-2019 16:44:00 Instrument ID: D3D
Lims ID: MB 140-34150/12-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F4(49.20 :57.50 )

## PCB-194, CAS: 35694-08-7

Signal: 3

Processing Integration Results

RT: 51.96
Area: 1612
Amount: 0.048022
Amount Units: pg/ul




Manual Integration Results

RT: 51.96
Area: 2127
Amount: 0.063364
Amount Units: pg/ul
Reviewer: mcwhirterl, 09-Oct-2019 19:16:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

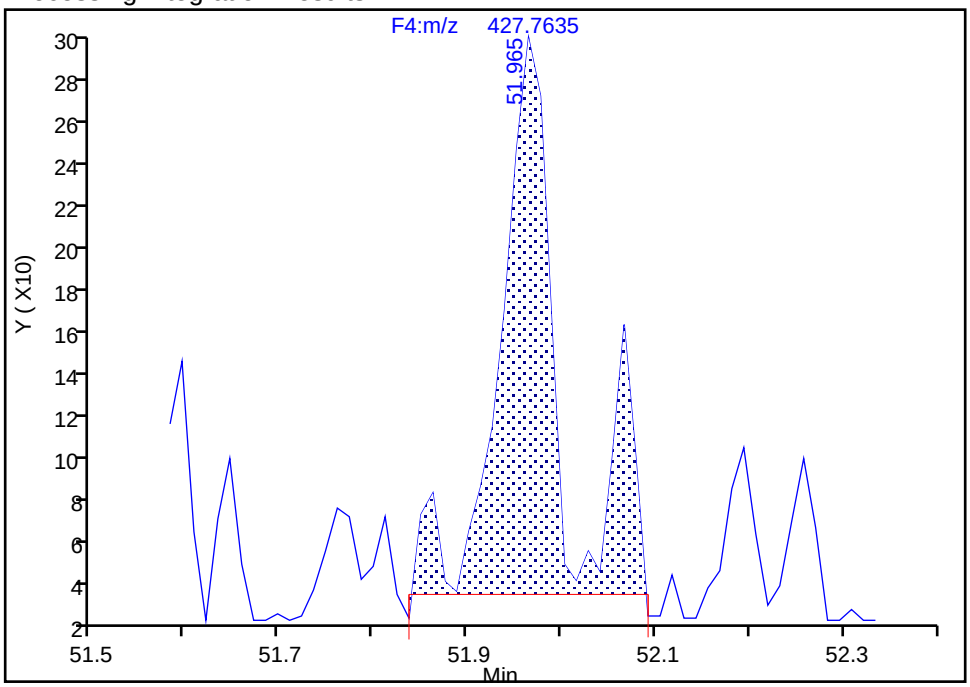
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Instrument ID: | D3D | | |
| Lims ID: | MB 140-34150/12-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 7 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F4(49.20 :57.50 ) | | |

## PCB-194, CAS: 35694-08-7

Signal: 1

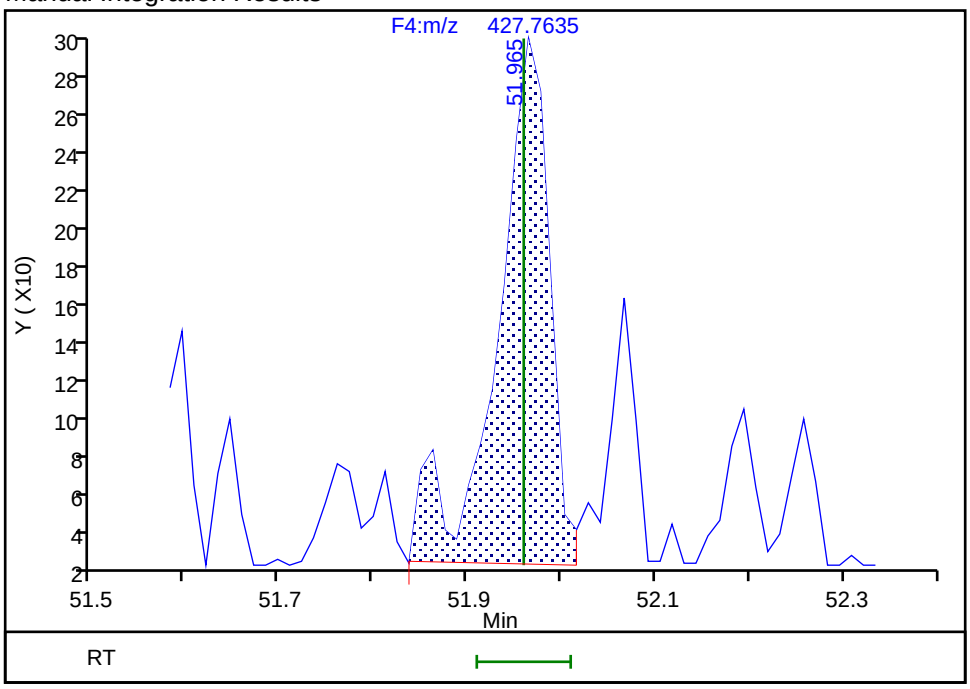
Processing Integration Results

RT: 51.96
Area: 1133
Amount: 0.048022
Amount Units: pg/ul




Manual Integration Results

RT: 51.96
Area: 1039
Amount: 0.063364
Amount Units: pg/ul




Reviewer: mcwhirterl, 09-Oct-2019 19:16:39

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 09-Oct-2019 23:16:08 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

| | | | |
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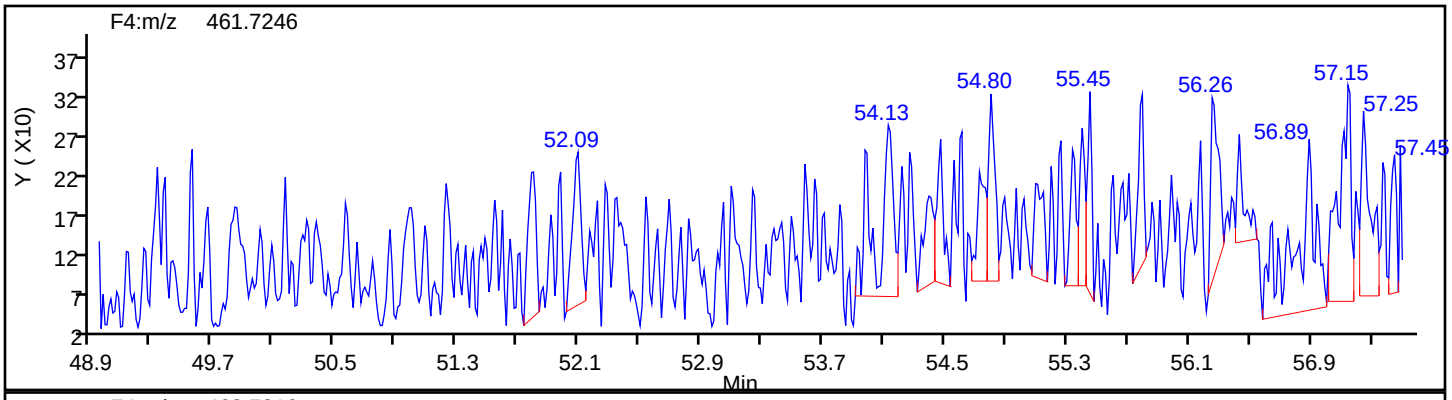
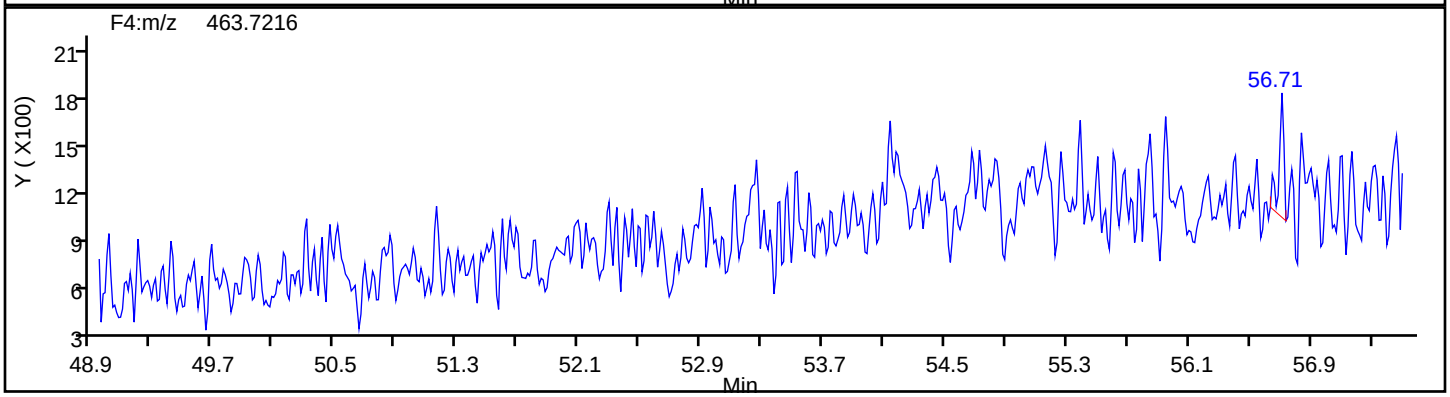
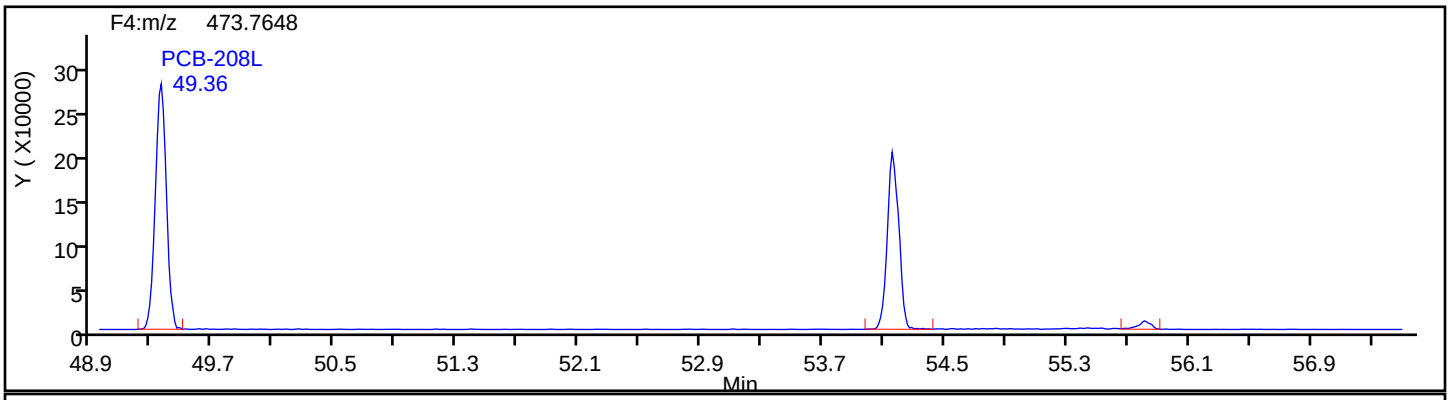
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

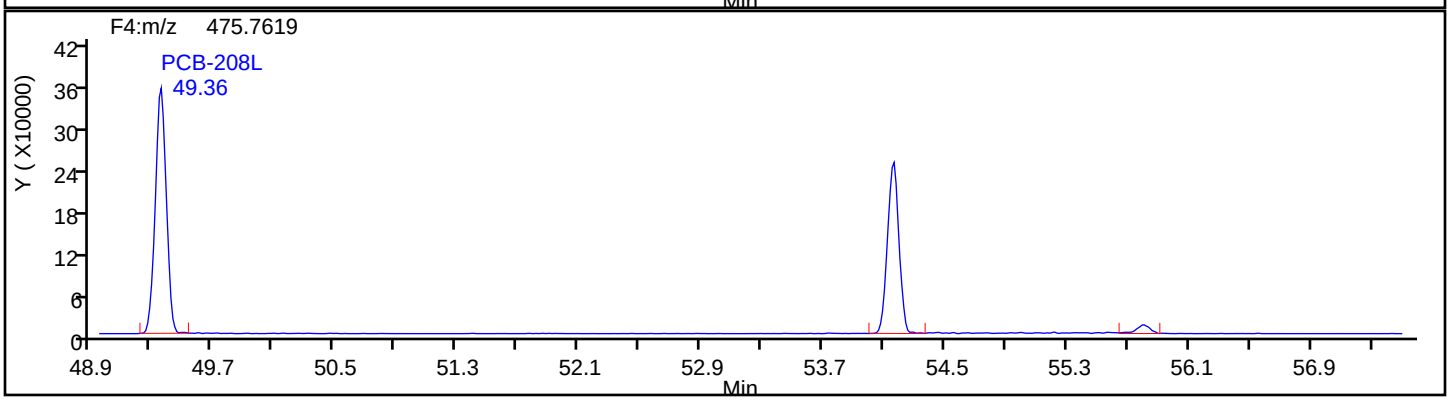
NoPCB F4




NoPCB F4 Standards

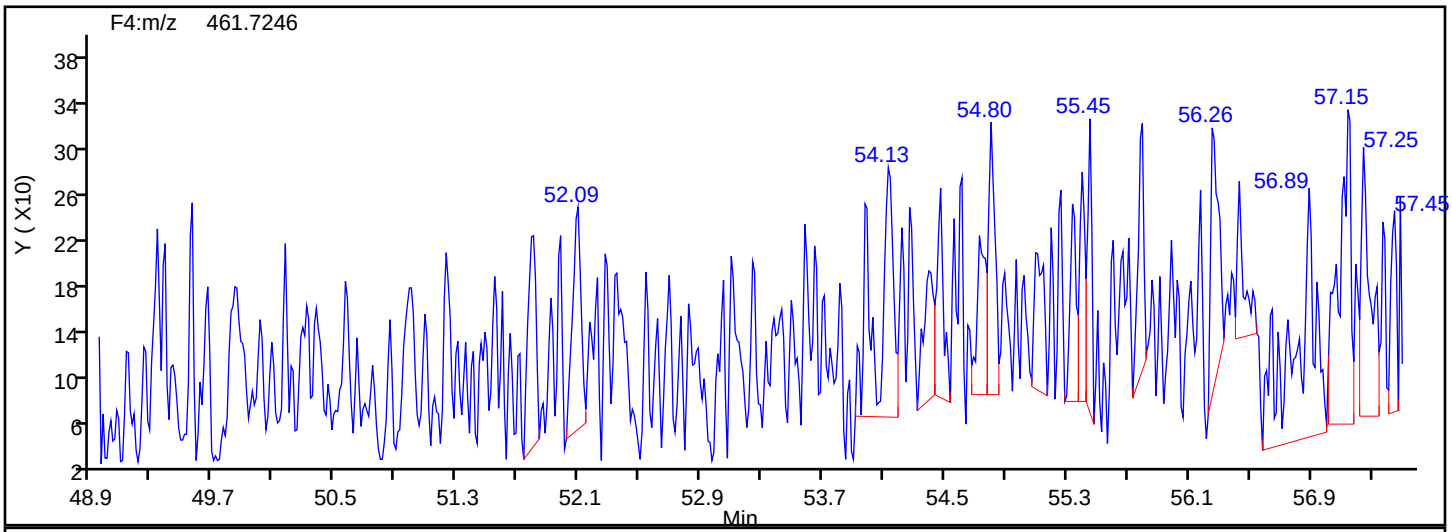


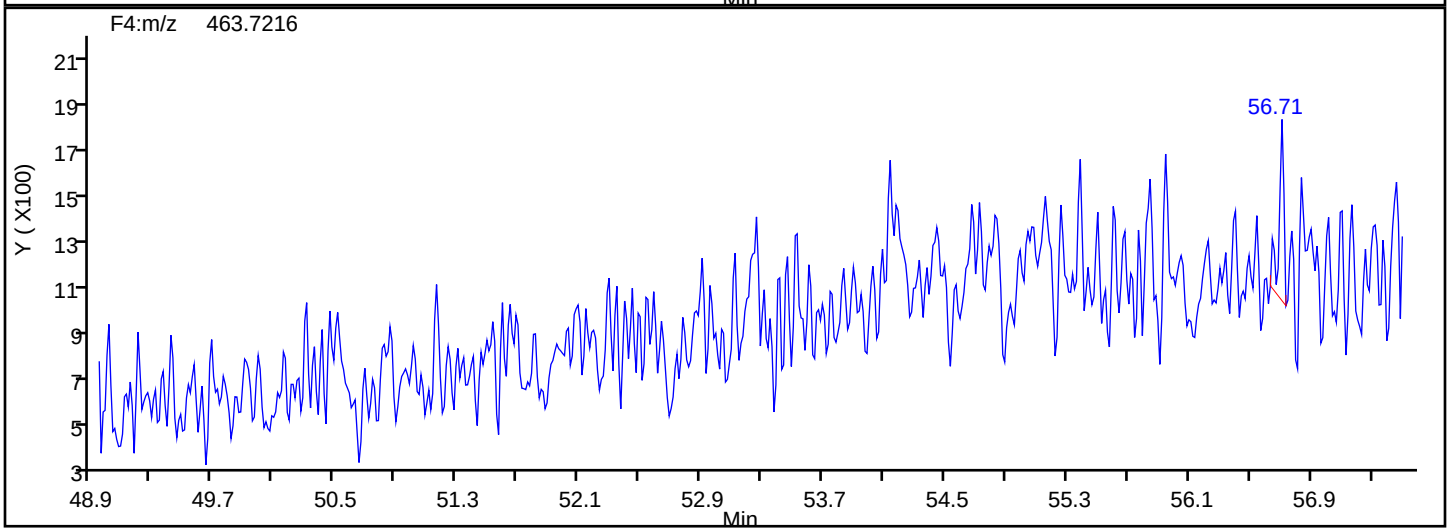



Eurofins TestAmerica, Knoxville

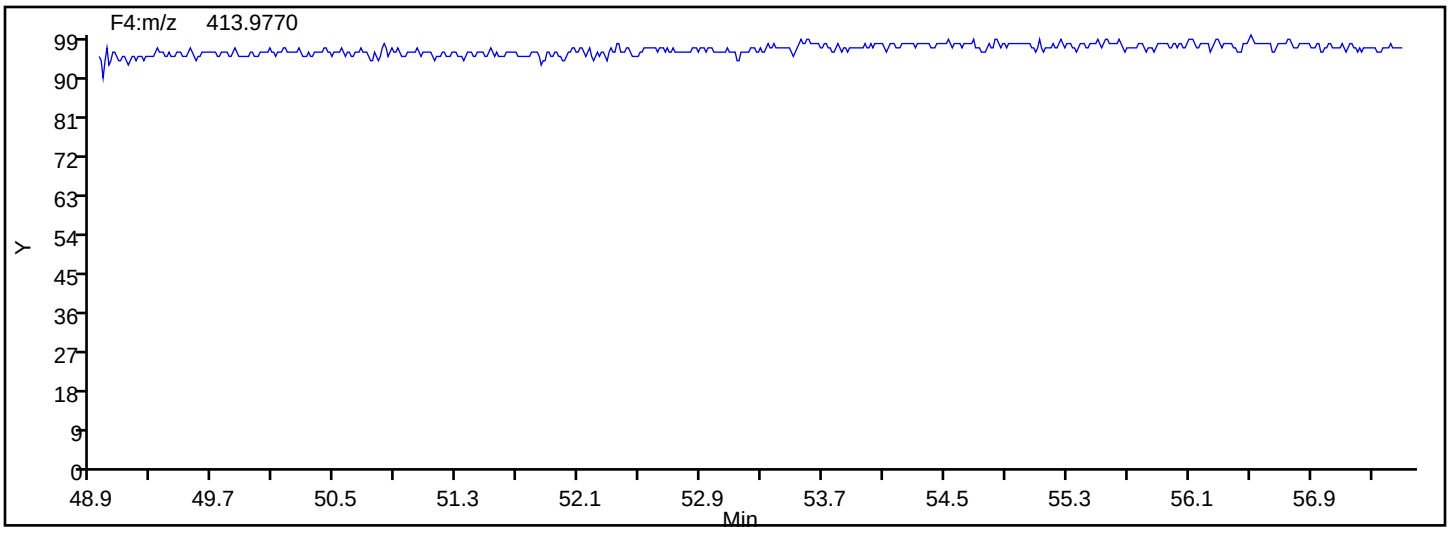
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Report Date: 09-Oct-2019 23:16:08 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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|---|---|---|---|
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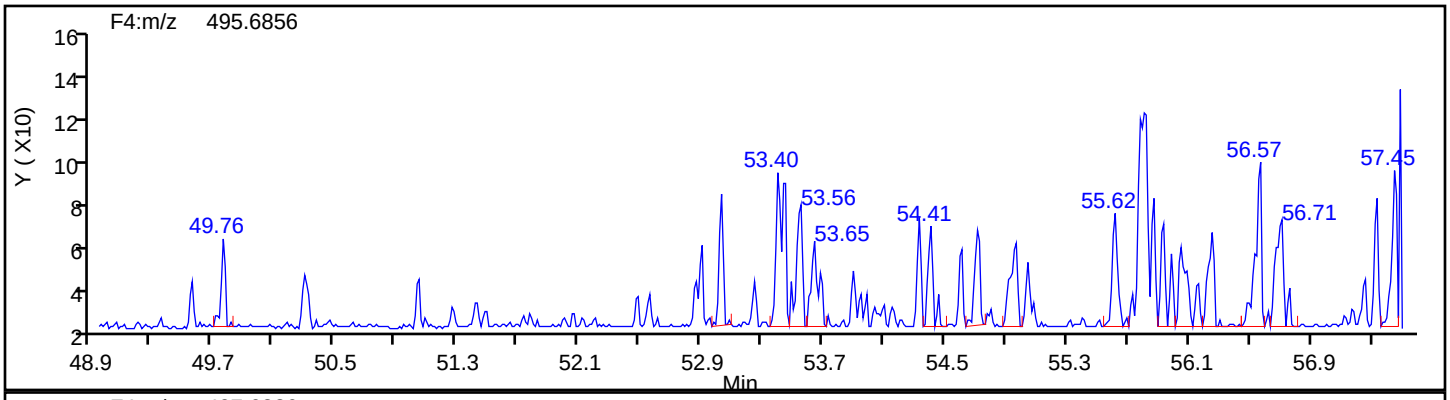
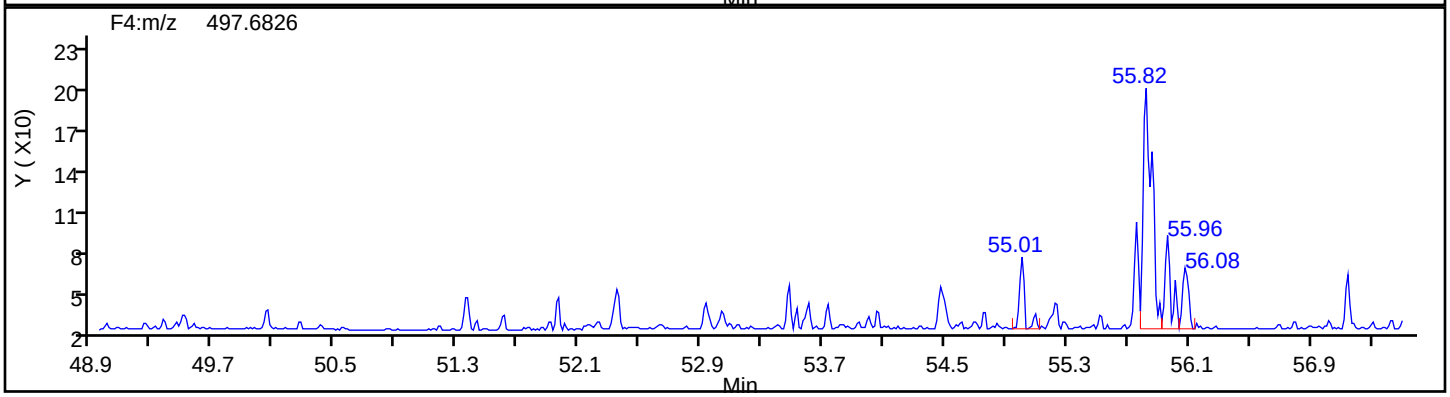
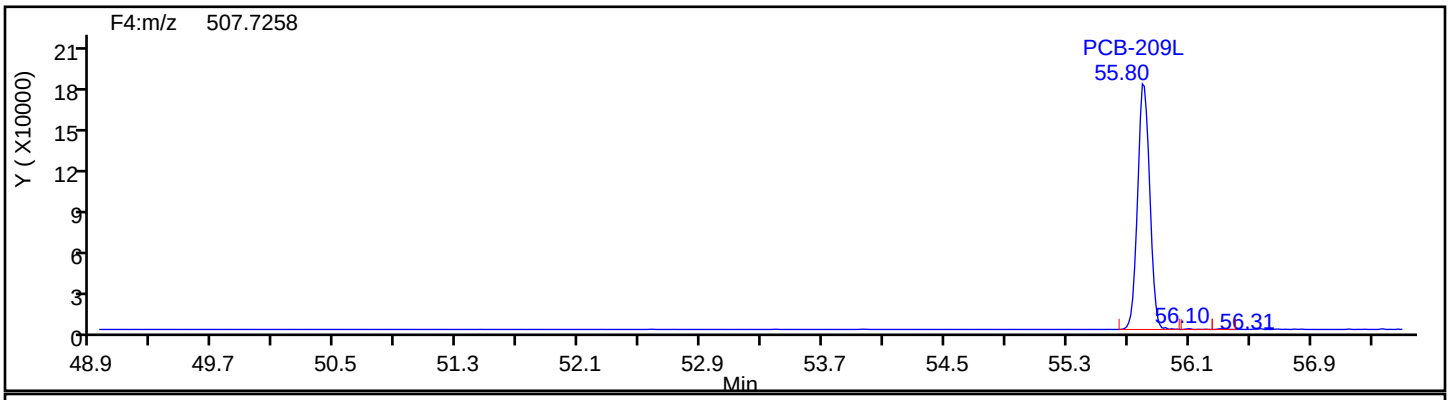
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

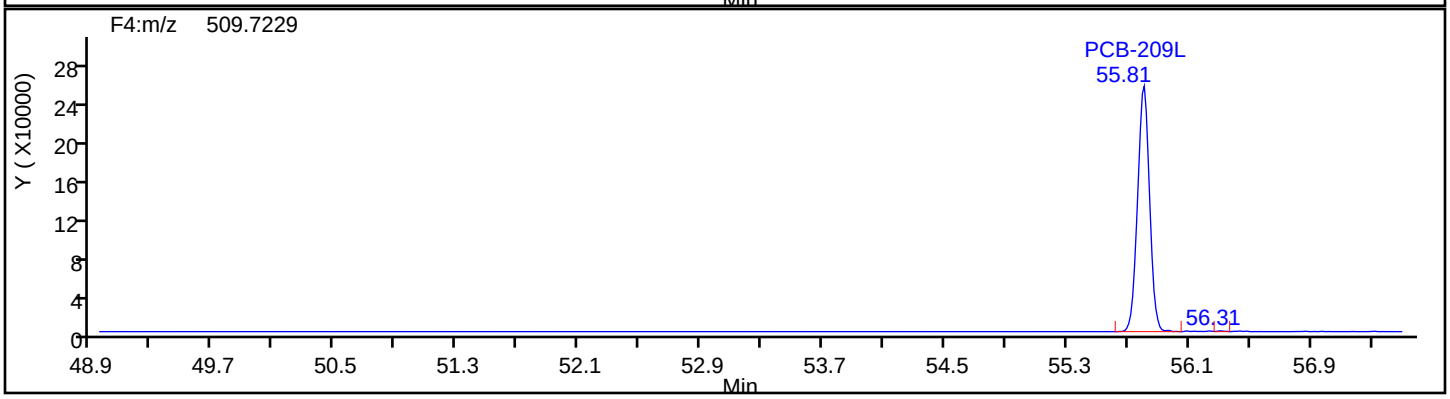
DePCB F4




DePCB F4 Standards

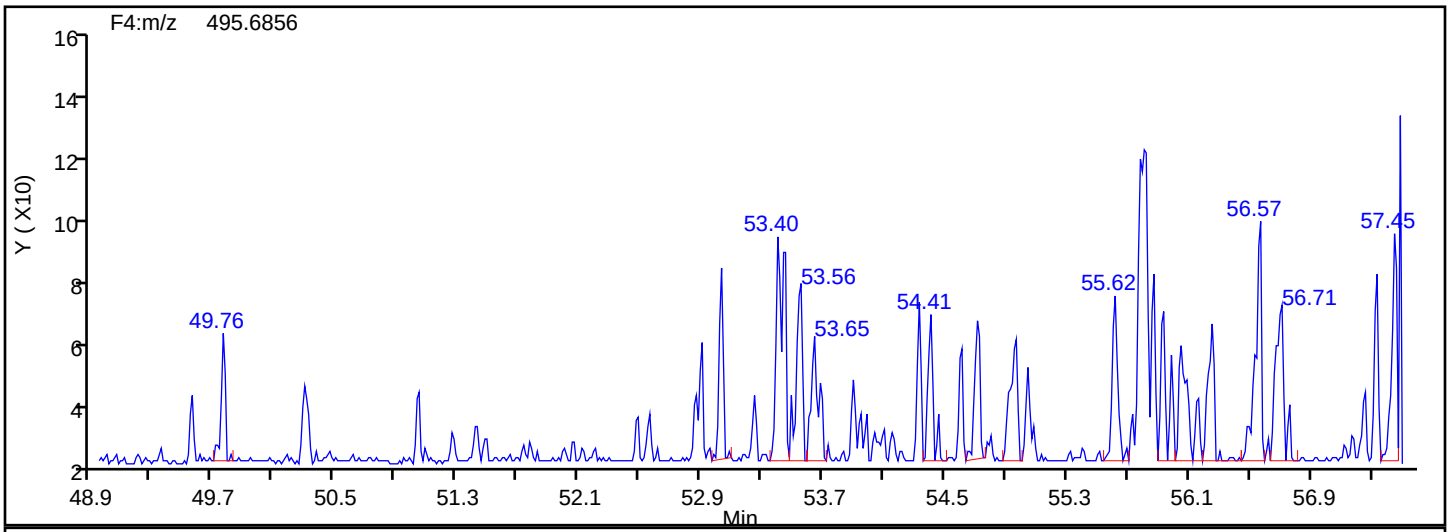


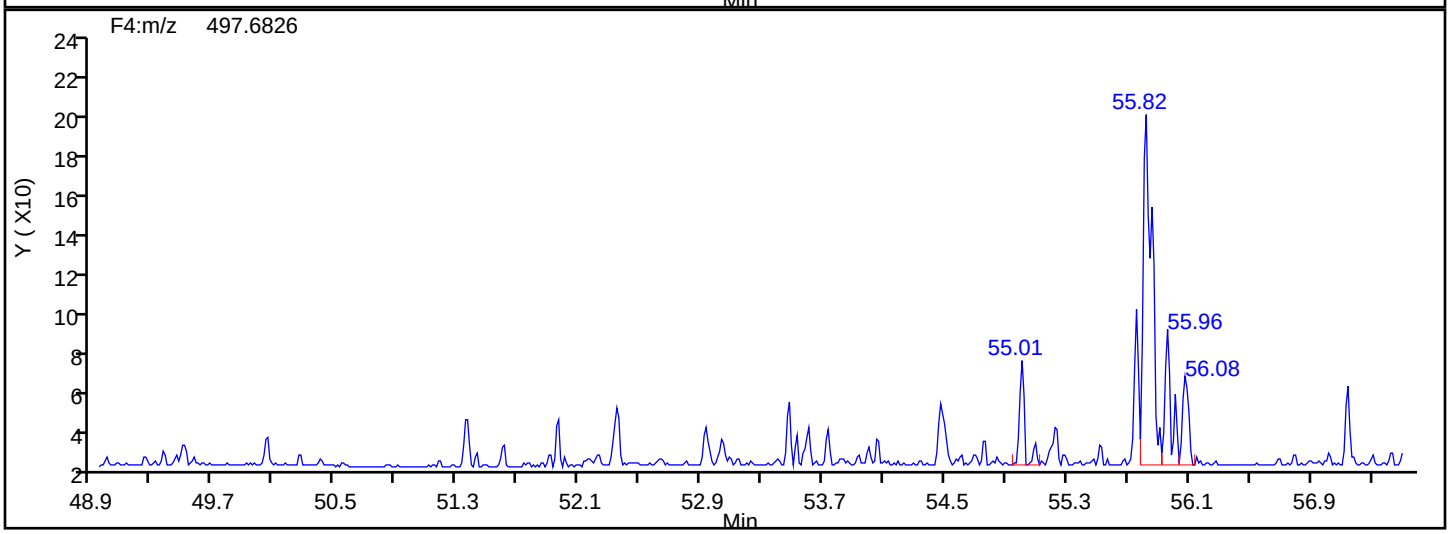



Eurofins TestAmerica, Knoxville

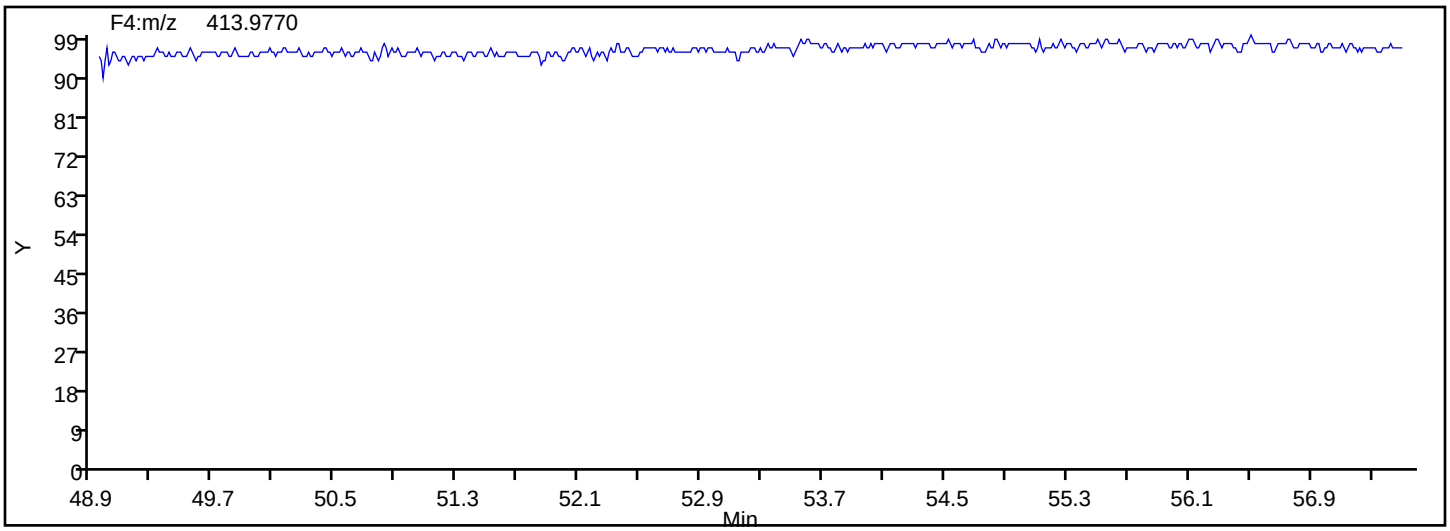
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\mb140-3415012-b.d | | |
| Injection Date: | 09-Oct-2019 16:44:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 7 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 1.01 | | 0.040 | 0.0024 |
| 2051-61-8 | PCB-2 | 1.03 | | 0.040 | 0.0026 |
| 2051-62-9 | PCB-3 | 0.997 | | 0.040 | 0.0027 |
| 13029-08-8 | PCB-4 | 0.985 | | 0.060 | 0.0018 |
| 16605-91-7 | PCB-5 | 0.908 | | 0.040 | 0.0012 |
| 25569-80-6 | PCB-6 | 0.904 | | 0.040 | 0.0012 |
| 33284-50-3 | PCB-7 | 0.906 | | 0.040 | 0.0011 |
| 34883-43-7 | PCB-8 | 0.920 | | 0.060 | 0.0011 |
| 34883-39-1 | PCB-9 | 0.910 | | 0.040 | 0.0013 |
| 33146-45-1 | PCB-10 | 0.906 | | 0.040 | 0.0012 |
| 2050-67-1 | PCB-11 | 0.955 | | 0.060 | 0.0011 |
| 2974-92-7 | PCB-12 | 1.93 | C | 0.080 | 0.0011 |
| 2974-90-5 | PCB-13 | 1.93 | C12 | 0.080 | 0.0011 |
| 34883-41-5 | PCB-14 | 0.960 | | 0.040 | 0.00096 |
| 2050-68-2 | PCB-15 | 0.905 | | 0.040 | 0.0011 |
| 38444-78-9 | PCB-16 | 1.05 | | 0.040 | 0.0014 |
| 37680-66-3 | PCB-17 | 1.05 | | 0.040 | 0.0011 |
| 37680-65-2 | PCB-18 | 2.07 | C | 0.080 | 0.00097 |
| 38444-73-4 | PCB-19 | 1.03 | | 0.040 | 0.0014 |
| 38444-84-7 | PCB-20 | 1.35 | C | 0.080 | 0.0095 |
| 55702-46-0 | PCB-21 | 1.36 | C | 0.080 | 0.0090 |
| 38444-85-8 | PCB-22 | 0.700 | | 0.040 | 0.010 |
| 55720-44-0 | PCB-23 | 0.693 | | 0.040 | 0.0098 |
| 55702-45-9 | PCB-24 | 1.03 | | 0.040 | 0.00084 |
| 55712-37-3 | PCB-25 | 0.672 | | 0.040 | 0.0092 |
| 38444-81-4 | PCB-26 | 1.35 | C | 0.080 | 0.0094 |
| 38444-76-7 | PCB-27 | 1.04 | | 0.040 | 0.00082 |
| 7012-37-5 | PCB-28 | 1.35 | C20 | 0.080 | 0.0095 |
| 15862-07-4 | PCB-29 | 1.35 | C26 | 0.080 | 0.0094 |
| 35693-92-6 | PCB-30 | 2.07 | C18 | 0.080 | 0.00097 |
| 16606-02-3 | PCB-31 | 0.687 | | 0.040 | 0.0090 |
| 38444-77-8 | PCB-32 | 1.05 | | 0.040 | 0.00076 |
| 38444-86-9 | PCB-33 | 1.36 | C21 | 0.080 | 0.0090 |
| 37680-68-5 | PCB-34 | 0.703 | | 0.040 | 0.010 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.796 | | 0.040 | 0.010 |
| 38444-87-0 | PCB-36 | 0.736 | | 0.040 | 0.0092 |
| 38444-90-5 | PCB-37 | 0.770 | | 0.040 | 0.0096 |
| 53555-66-1 | PCB-38 | 0.701 | | 0.040 | 0.0094 |
| 38444-88-1 | PCB-39 | 0.764 | | 0.040 | 0.0089 |
| 38444-93-8 | PCB-40 | 2.66 | C | 0.12 | 0.0043 |
| 52663-59-9 | PCB-41 | 2.66 | C40 | 0.12 | 0.0043 |
| 36559-22-5 | PCB-42 | 0.882 | | 0.040 | 0.0046 |
| 70362-46-8 | PCB-43 | 1.72 | C | 0.080 | 0.0040 |
| 41464-39-5 | PCB-44 | 2.52 | C | 0.12 | 0.0038 |
| 70362-45-7 | PCB-45 | 1.68 | C | 0.080 | 0.0045 |
| 41464-47-5 | PCB-46 | 0.861 | | 0.040 | 0.0052 |
| 2437-79-8 | PCB-47 | 2.52 | C44 | 0.12 | 0.0038 |
| 70362-47-9 | PCB-48 | 0.884 | | 0.040 | 0.0042 |
| 41464-40-8 | PCB-49 | 1.68 | C | 0.080 | 0.0035 |
| 62796-65-0 | PCB-50 | 1.67 | C | 0.080 | 0.0042 |
| 68194-04-7 | PCB-51 | 1.68 | C45 | 0.080 | 0.0045 |
| 35693-99-3 | PCB-52 | 0.875 | | 0.040 | 0.0044 |
| 41464-41-9 | PCB-53 | 1.67 | C50 | 0.080 | 0.0042 |
| 15968-05-5 | PCB-54 | 0.877 | | 0.040 | 0.00081 |
| 74338-24-2 | PCB-55 | 0.864 | | 0.040 | 0.0031 |
| 41464-43-1 | PCB-56 | 0.869 | | 0.040 | 0.0031 |
| 70424-67-8 | PCB-57 | 0.856 | | 0.040 | 0.0031 |
| 41464-49-7 | PCB-58 | 0.865 | | 0.040 | 0.0030 |
| 74472-33-6 | PCB-59 | 2.48 | C | 0.12 | 0.0029 |
| 33025-41-1 | PCB-60 | 0.861 | | 0.040 | 0.0030 |
| 33284-53-6 | PCB-61 | 3.33 | C | 0.16 | 0.0029 |
| 54230-22-7 | PCB-62 | 2.48 | C59 | 0.12 | 0.0029 |
| 74472-34-7 | PCB-63 | 0.846 | | 0.040 | 0.0027 |
| 52663-58-8 | PCB-64 | 0.878 | | 0.040 | 0.0028 |
| 33284-54-7 | PCB-65 | 2.52 | C44 | 0.12 | 0.0038 |
| 32598-10-0 | PCB-66 | 0.868 | | 0.040 | 0.0031 |
| 73575-53-8 | PCB-67 | 0.851 | | 0.040 | 0.0028 |
| 73575-52-7 | PCB-68 | 0.833 | | 0.040 | 0.0027 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 1.68 | C49 | 0.080 | 0.0035 |
| 32598-11-1 | PCB-70 | 3.33 | C61 | 0.16 | 0.0029 |
| 41464-46-4 | PCB-71 | 2.66 | C40 | 0.12 | 0.0043 |
| 41464-42-0 | PCB-72 | 0.875 | | 0.040 | 0.0030 |
| 74338-23-1 | PCB-73 | 1.72 | C43 | 0.080 | 0.0040 |
| 32690-93-0 | PCB-74 | 3.33 | C61 | 0.16 | 0.0029 |
| 32598-12-2 | PCB-75 | 2.48 | C59 | 0.12 | 0.0029 |
| 70362-48-0 | PCB-76 | 3.33 | C61 | 0.16 | 0.0029 |
| 32598-13-3 | PCB-77 | 0.915 | | 0.040 | 0.0029 |
| 70362-49-1 | PCB-78 | 0.872 | | 0.040 | 0.0030 |
| 41464-48-6 | PCB-79 | 0.872 | | 0.040 | 0.0026 |
| 33284-52-5 | PCB-80 | 0.873 | | 0.040 | 0.0027 |
| 70362-50-4 | PCB-81 | 0.943 | | 0.040 | 0.0030 |
| 52663-62-4 | PCB-82 | 1.12 | | 0.040 | 0.0026 |
| 60145-20-2 | PCB-83 | 2.15 | C | 0.080 | 0.0024 |
| 52663-60-2 | PCB-84 | 1.04 | | 0.040 | 0.0026 |
| 65510-45-4 | PCB-85 | 3.32 | C | 0.12 | 0.0019 |
| 55312-69-1 | PCB-86 | 6.30 | C | 0.24 | 0.0019 |
| 38380-02-8 | PCB-87 | 6.30 | C86 | 0.24 | 0.0019 |
| 55215-17-3 | PCB-88 | 2.03 | C | 0.080 | 0.0023 |
| 73575-57-2 | PCB-89 | 1.08 | | 0.040 | 0.0025 |
| 68194-07-0 | PCB-90 | 3.20 | C | 0.12 | 0.0020 |
| 68194-05-8 | PCB-91 | 2.03 | C88 | 0.080 | 0.0023 |
| 52663-61-3 | PCB-92 | 1.08 | | 0.040 | 0.0024 |
| 73575-56-1 | PCB-93 | 1.99 | C | 0.080 | 0.0023 |
| 73575-55-0 | PCB-94 | 1.05 | | 0.040 | 0.0025 |
| 38379-99-6 | PCB-95 | 1.06 | | 0.040 | 0.0024 |
| 73575-54-9 | PCB-96 | 1.02 | | 0.040 | 0.0018 |
| 41464-51-1 | PCB-97 | 6.30 | C86 | 0.24 | 0.0019 |
| 60233-25-2 | PCB-98 | 2.07 | C | 0.080 | 0.0023 |
| 38380-01-7 | PCB-99 | 2.15 | C83 | 0.080 | 0.0024 |
| 39485-83-1 | PCB-100 | 1.99 | C93 | 0.080 | 0.0023 |
| 37680-73-2 | PCB-101 | 3.20 | C90 | 0.12 | 0.0020 |
| 68194-06-9 | PCB-102 | 2.07 | C98 | 0.080 | 0.0023 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 1.02 | | 0.040 | 0.0022 |
| 56558-16-8 | PCB-104 | 0.999 | | 0.040 | 0.0016 |
| 32598-14-4 | PCB-105 | 0.917 | | 0.040 | 0.0098 |
| 70424-69-0 | PCB-106 | 0.894 | | 0.040 | 0.0097 |
| 70424-68-9 | PCB-107 | 0.895 | | 0.040 | 0.0091 |
| 70362-41-3 | PCB-108 | 1.77 | C | 0.080 | 0.0099 |
| 74472-35-8 | PCB-109 | 6.30 | C86 | 0.24 | 0.0019 |
| 38380-03-9 | PCB-110 | 2.23 | C | 0.080 | 0.0017 |
| 39635-32-0 | PCB-111 | 1.11 | | 0.040 | 0.0016 |
| 74472-36-9 | PCB-112 | 1.11 | | 0.040 | 0.0017 |
| 68194-10-5 | PCB-113 | 3.20 | C90 | 0.12 | 0.0020 |
| 74472-37-0 | PCB-114 | 0.887 | | 0.040 | 0.0088 |
| 74472-38-1 | PCB-115 | 2.23 | C110 | 0.080 | 0.0017 |
| 18259-05-7 | PCB-116 | 3.32 | C85 | 0.12 | 0.0019 |
| 68194-11-6 | PCB-117 | 3.32 | C85 | 0.12 | 0.0019 |
| 31508-00-6 | PCB-118 | 0.905 | | 0.040 | 0.0090 |
| 56558-17-9 | PCB-119 | 6.30 | C86 | 0.24 | 0.0019 |
| 68194-12-7 | PCB-120 | 1.09 | | 0.040 | 0.0015 |
| 56558-18-0 | PCB-121 | 1.01 | | 0.040 | 0.0016 |
| 76842-07-4 | PCB-122 | 0.907 | | 0.040 | 0.011 |
| 65510-44-3 | PCB-123 | 0.921 | | 0.040 | 0.0092 |
| 70424-70-3 | PCB-124 | 1.77 | C108 | 0.080 | 0.0099 |
| 74472-39-2 | PCB-125 | 6.30 | C86 | 0.24 | 0.0019 |
| 57465-28-8 | PCB-126 | 0.887 | | 0.040 | 0.0098 |
| 39635-33-1 | PCB-127 | 0.918 | | 0.040 | 0.0096 |
| 38380-07-3 | PCB-128 | 1.81 | C | 0.080 | 0.0029 |
| 55215-18-4 | PCB-129 | 3.59 | C | 0.16 | 0.0029 |
| 52663-66-8 | PCB-130 | 0.912 | | 0.040 | 0.0039 |
| 61798-70-7 | PCB-131 | 0.891 | | 0.040 | 0.0037 |
| 38380-05-1 | PCB-132 | 0.915 | | 0.040 | 0.0036 |
| 35694-04-3 | PCB-133 | 0.882 | | 0.040 | 0.0035 |
| 52704-70-8 | PCB-134 | 1.81 | C | 0.080 | 0.0037 |
| 52744-13-5 | PCB-135 | 1.98 | C | 0.080 | 0.00092 |
| 38411-22-2 | PCB-136 | 0.949 | | 0.040 | 0.00069 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 0.892 | | 0.040 | 0.0030 |
| 35065-28-2 | PCB-138 | 3.59 | C129 | 0.16 | 0.0029 |
| 56030-56-9 | PCB-139 | 1.75 | C | 0.080 | 0.0032 |
| 59291-64-4 | PCB-140 | 1.75 | C139 | 0.080 | 0.0032 |
| 52712-04-6 | PCB-141 | 0.916 | | 0.040 | 0.0033 |
| 41411-61-4 | PCB-142 | 0.899 | | 0.040 | 0.0037 |
| 68194-15-0 | PCB-143 | 1.81 | C134 | 0.080 | 0.0037 |
| 68194-14-9 | PCB-144 | 0.969 | | 0.040 | 0.00087 |
| 74472-40-5 | PCB-145 | 0.942 | | 0.040 | 0.00067 |
| 51908-16-8 | PCB-146 | 0.923 | | 0.040 | 0.0032 |
| 68194-13-8 | PCB-147 | 1.74 | C | 0.080 | 0.0033 |
| 74472-41-6 | PCB-148 | 0.940 | | 0.040 | 0.00089 |
| 38380-04-0 | PCB-149 | 1.74 | C147 | 0.080 | 0.0033 |
| 68194-08-1 | PCB-150 | 0.958 | | 0.040 | 0.00064 |
| 52663-63-5 | PCB-151 | 1.98 | C135 | 0.080 | 0.00092 |
| 68194-09-2 | PCB-152 | 0.920 | | 0.040 | 0.00063 |
| 35065-27-1 | PCB-153 | 1.79 | C | 0.080 | 0.0026 |
| 60145-22-4 | PCB-154 | 0.949 | | 0.040 | 0.00078 |
| 33979-03-2 | PCB-155 | 0.919 | | 0.040 | 0.00061 |
| 38380-08-4 | PCB-156 | 1.86 | C | 0.080 | 0.0030 |
| 69782-90-7 | PCB-157 | 1.86 | C156 | 0.080 | 0.0030 |
| 74472-42-7 | PCB-158 | 0.903 | | 0.040 | 0.0023 |
| 39635-35-3 | PCB-159 | 0.900 | | 0.040 | 0.0024 |
| 41411-62-5 | PCB-160 | 3.59 | C129 | 0.16 | 0.0029 |
| 74472-43-8 | PCB-161 | 0.857 | | 0.040 | 0.0024 |
| 39635-34-2 | PCB-162 | 0.920 | | 0.040 | 0.0023 |
| 74472-44-9 | PCB-163 | 3.59 | C129 | 0.16 | 0.0029 |
| 74472-45-0 | PCB-164 | 0.908 | | 0.040 | 0.0025 |
| 74472-46-1 | PCB-165 | 0.913 | | 0.040 | 0.0028 |
| 41411-63-6 | PCB-166 | 1.81 | C128 | 0.080 | 0.0029 |
| 52663-72-6 | PCB-167 | 0.922 | | 0.040 | 0.0019 |
| 59291-65-5 | PCB-168 | 1.79 | C153 | 0.080 | 0.0026 |
| 32774-16-6 | PCB-169 | 0.919 | | 0.040 | 0.0022 |
| 35065-30-6 | PCB-170 | 1.05 | | 0.040 | 0.0011 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-71-5 | PCB-171 | 2.18 | C | 0.080 | 0.0011 |
| 52663-74-8 | PCB-172 | 1.02 | | 0.040 | 0.0010 |
| 68194-16-1 | PCB-173 | 2.18 | C171 | 0.080 | 0.0011 |
| 38411-25-5 | PCB-174 | 1.07 | | 0.040 | 0.0011 |
| 40186-70-7 | PCB-175 | 1.03 | | 0.040 | 0.00096 |
| 52663-65-7 | PCB-176 | 1.03 | | 0.040 | 0.00068 |
| 52663-70-4 | PCB-177 | 1.09 | | 0.040 | 0.0011 |
| 52663-67-9 | PCB-178 | 1.04 | | 0.040 | 0.0010 |
| 52663-64-6 | PCB-179 | 0.999 | | 0.040 | 0.00073 |
| 35065-29-3 | PCB-180 | 2.10 | C | 0.080 | 0.00084 |
| 74472-47-2 | PCB-181 | 1.04 | | 0.040 | 0.00093 |
| 60145-23-5 | PCB-182 | 1.05 | | 0.040 | 0.00090 |
| 52663-69-1 | PCB-183 | 2.06 | C | 0.080 | 0.00091 |
| 74472-48-3 | PCB-184 | 0.962 | | 0.040 | 0.00073 |
| 52712-05-7 | PCB-185 | 2.06 | C183 | 0.080 | 0.00091 |
| 74472-49-4 | PCB-186 | 1.02 | | 0.040 | 0.00072 |
| 52663-68-0 | PCB-187 | 1.05 | | 0.040 | 0.00093 |
| 74487-85-7 | PCB-188 | 0.956 | | 0.040 | 0.00066 |
| 39635-31-9 | PCB-189 | 0.910 | | 0.040 | 0.0037 |
| 41411-64-7 | PCB-190 | 1.03 | | 0.040 | 0.00075 |
| 74472-50-7 | PCB-191 | 1.06 | | 0.040 | 0.00074 |
| 74472-51-8 | PCB-192 | 1.04 | | 0.040 | 0.00080 |
| 69782-91-8 | PCB-193 | 2.10 | C180 | 0.080 | 0.00084 |
| 35694-08-7 | PCB-194 | 0.946 | | 0.040 | 0.0088 |
| 52663-78-2 | PCB-195 | 1.04 | | 0.040 | 0.010 |
| 42740-50-1 | PCB-196 | 0.840 | | 0.040 | 0.00052 |
| 33091-17-7 | PCB-197 | 0.817 | | 0.040 | 0.00038 |
| 68194-17-2 | PCB-198 | 1.74 | C | 0.080 | 0.00056 |
| 52663-75-9 | PCB-199 | 1.74 | C198 | 0.080 | 0.00056 |
| 52663-73-7 | PCB-200 | 0.904 | | 0.040 | 0.00041 |
| 40186-71-8 | PCB-201 | 0.843 | | 0.040 | 0.00039 |
| 2136-99-4 | PCB-202 | 0.878 | | 0.040 | 0.00044 |
| 52663-76-0 | PCB-203 | 0.805 | | 0.040 | 0.00050 |
| 74472-52-9 | PCB-204 | 0.869 | | 0.040 | 0.00042 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74472-53-0 | PCB-205 | 0.905 | | 0.040 | 0.0066 |
| 40186-72-9 | PCB-206 | 0.875 | | 0.040 | 0.0094 |
| 52663-79-3 | PCB-207 | 0.908 | | 0.040 | 0.0064 |
| 52663-77-1 | PCB-208 | 0.890 | | 0.040 | 0.0065 |
| 2051-24-3 | PCB-209 | 0.881 | | 0.040 | 0.00057 |
| 27323-18-8 | Total Monochlorobiphenyls | 3.04 | | 0.040 | 0.0026 |
| 25512-42-9 | Total Dichlorobiphenyls | 11.2 | | 0.080 | 0.0012 |
| 25323-68-6 | Total Trichlorobiphenyls | 19.6 | | 0.080 | 0.0065 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 36.1 | | 0.16 | 0.0033 |
| 25429-29-2 | Total Pentachlorobiphenyls | 47.0 | | 0.24 | 0.0045 |
| 26601-64-9 | Total Hexachlorobiphenyls | 38.3 | | 0.16 | 0.0024 |
| 28655-71-2 | Total Heptachlorobiphenyls | 24.8 | | 0.080 | 0.0010 |
| 55722-26-4 | Total Octachlorobiphenyls | 10.6 | | 0.080 | 0.0027 |
| 53742-07-7 | Total Nonachlorobiphenyls | 2.67 | | 0.040 | 0.0074 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 194 | | 0.24 | 0.0033 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33603/11-A

Matrix: Water  Lab File ID: lcs140-3360311-a.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sepf  Date Extracted: 09/16/2019 12:34

Sample wt/vol: 1000(mL)  Date Analyzed: 09/24/2019 13:53

Con. Extract Vol.: 20(uL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 33865  Units: ng/L

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 93 | | 30-140 |
| 208263-77-8 | PCB-3L | 94 | | 30-140 |
| 234432-86-1 | PCB-4L | 80 | | 30-140 |
| 208263-67-6 | PCB-15L | 90 | | 30-140 |
| 234432-87-2 | PCB-19L | 76 | | 30-140 |
| 208263-79-0 | PCB-37L | 93 | q | 30-140 |
| 234432-88-3 | PCB-54L | 99 | | 30-140 |
| 105600-23-5 | PCB-77L | 96 | | 30-140 |
| 208461-24-9 | PCB-81L | 93 | | 30-140 |
| 234432-89-4 | PCB-104L | 81 | | 30-140 |
| 208263-62-1 | PCB-105L | 85 | | 30-140 |
| 208263-63-2 | PCB-114L | 85 | | 30-140 |
| 104130-40-7 | PCB-118L | 88 | | 30-140 |
| 208263-64-3 | PCB-123L | 85 | | 30-140 |
| 208263-65-4 | PCB-126L | 93 | | 30-140 |
| 234432-90-7 | PCB-155L | 90 | | 30-140 |
| 208263-68-7 | PCB-156L | 86 | C | 30-140 |
| 235416-30-5 | PCB-157L | 86 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 88 | | 30-140 |
| 208263-70-1 | PCB-169L | 96 | | 30-140 |
| 160901-80-4 | PCB-170L | 83 | | 30-140 |
| 234432-91-8 | PCB-188L | 83 | | 30-140 |
| 208263-73-4 | PCB-189L | 91 | | 30-140 |
| 105600-26-8 | PCB-202L | 92 | | 30-140 |
| 234446-64-1 | PCB-205L | 82 | | 30-140 |
| 208263-75-6 | PCB-206L | 72 | | 30-140 |
| 234432-92-9 | PCB-208L | 81 | | 30-140 |
| 105600-27-9 | PCB-209L | 61 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 80 | | 40-125 |
| 235416-29-2 | PCB-111L | 93 | | 40-125 |
| 232919-67-4 | PCB-178L | 93 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Lims ID: LCS 140-33603/11-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Sep-2019 13:53:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-002
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 15:07:51 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1003

First Level Reviewer: davidsonm Date: 24-Sep-2019 15:07:51

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 152.1 | 152.1 | 0.1280 | 0.1280 | | |
| D PCB-1L | 11:46 | 776567 | 3.11 | 1.3140 | 92.8 | 92.8 | 0.5879 | 0.5879 | 92.78 | |
| D PCB-3L | 13:56 | 818552 | 3.19 | 1.3615 | 94.4 | 94.4 | 0.5674 | 0.5674 | 94.38 | |
| PCB-1 | 11:47 | 467070 | 3.19 | 1.1883 | 50.6 | 50.6 | 0.1207 | 0.1207 | 101 | |
| PCB-2 | 13:46 | 490309 | 3.20 | 1.1911 | 51.6 | 51.6 | 0.1283 | 0.1283 | 103 | |
| PCB-3 | 13:57 | 494760 | 3.20 | 1.2130 | 49.8 | 49.8 | 0.1349 | 0.1349 | 99.66 | |
| S Total Dichlorobiphenyls | | | | | 559.3 | 559.3 | 0.0594 | 0.0594 | | |
| D PCB-4L | 14:11 | 307433 | 1.65 | 0.5996 | 80.5 | 80.5 | 0.2351 | 0.2351 | 80.50 | |
| * PCB-9L | 16:09 | 636991 | 1.62 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-15L | 20:04 | 590053 | 1.60 | 1.0280 | 90.1 | 90.1 | 0.1371 | 0.1371 | 90.11 | |
| PCB-4 | 14:12 | 189854 | 1.58 | 1.2533 | 49.3 | 49.3 | 0.0887 | 0.0887 | 98.55 | |
| PCB-10 | 14:22 | 301338 | 1.60 | 1.4828 | 45.3 | 45.3 | 0.0608 | 0.0608 | 90.58 | |
| PCB-9 | 16:11 | 289868 | 1.63 | 1.4200 | 45.5 | 45.5 | 0.0635 | 0.0635 | 90.98 | |
| PCB-7 | 16:20 | 330093 | 1.63 | 1.6244 | 45.3 | 45.3 | 0.0555 | 0.0555 | 90.57 | |
| PCB-6 | 16:35 | 315227 | 1.61 | 1.5539 | 45.2 | 45.2 | 0.0580 | 0.0580 | 90.41 | |
| PCB-5 | 16:53 | 317939 | 1.60 | 1.5606 | 45.4 | 45.4 | 0.0578 | 0.0578 | 90.80 | |
| PCB-8 | 17:00 | 327906 | 1.61 | 1.5884 | 46.0 | 46.0 | 0.0568 | 0.0568 | 92.01 | |
| PCB-14 | 18:37 | 403427 | 1.61 | 1.8738 | 48.0 | 48.0 | 0.0481 | 0.0481 | 95.96 | |
| PCB-11 | 19:28 | 350384 | 1.60 | 1.6347 | 47.8 | 47.8 | 0.0552 | 0.0552 | 95.53 | |
| PCB-12 | 19:47 | 709456 | 1.61 | 1.6410 | 96.3 | 96.3 | 0.0550 | 0.0550 | 96.34 | |
| PCB-13 (C12) | 19:47 | 709456 | 1.61 | 1.6410 | 96.3 | 96.3 | 0.0550 | 0.0550 | 96.34 | |
| PCB-15 | 20:05 | 374271 | 1.63 | 1.4024 | 45.2 | 45.2 | 0.0541 | 0.0541 | 90.46 | |
| S Total Trichlorobiphenyl | | | | | 980.5 | 980.5 | 0.3268 | 0.3268 | | |
| D PCB-19L | 17:17 | 174116 | 1.00 | 0.6095 | 76.2 | 76.2 | 1.921 | 1.921 | 76.16 | |
| * PCB-32L | 20:32 | 375091 | 1.14 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:48 | 1545556 | 1.05 | 6.8E+04 | 100.0 | 100.0 | | | 100 | M |
| $ PCB-28L | 23:06 | 1348767 | 1.07 | 1.0975 | 79.5 | 79.5 | 0.4396 | 0.4396 | 79.51 | |
| D PCB-37L | 27:05 | 1297860 | 1.04 | 0.9024 | 108.0 | 93.1 | 0.5346 | 0.5346 | 108 | RQ |
| PCB-19 | 17:18 | 116491 | 1.10 | 1.3047 | 51.3 | 51.3 | 0.0678 | 0.0678 | 103 | |
| PCB-18 | 19:09 | 328105 | 1.11 | 1.8188 | 103.6 | 103.6 | 0.0487 | 0.0487 | 104 | |
| PCB-30 (C18) | 19:09 | 328105 | 1.11 | 1.8188 | 103.6 | 103.6 | 0.0487 | 0.0487 | 104 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:36 | 143331 | 1.08 | 1.5641 | 52.6 | 52.6 | 0.0566 | 0.0566 | 105 | |
| PCB-27 | 19:48 | 196721 | 1.09 | 2.1680 | 52.1 | 52.1 | 0.0408 | 0.0408 | 104 | |
| PCB-24 | 19:56 | 188781 | 1.09 | 2.1018 | 51.6 | 51.6 | 0.0421 | 0.0421 | 103 | |
| PCB-16 | 20:02 | 112445 | 1.11 | 1.2260 | 52.7 | 52.7 | 0.0722 | 0.0722 | 105 | |
| PCB-32 | 20:34 | 213775 | 1.12 | 2.3416 | 52.4 | 52.4 | 0.0378 | 0.0378 | 105 | |
| PCB-34 | 21:49 | 643391 | 1.05 | 1.2154 | 35.1 | 35.1 | 0.5105 | 0.5105 | 70.28 | |
| PCB-23 | 21:58 | 661587 | 1.05 | 1.2675 | 34.6 | 34.6 | 0.4895 | 0.4895 | 69.30 | |
| PCB-26 | 22:18 | 1345494 | 1.05 | 1.3193 | 67.7 | 67.7 | 0.4703 | 0.4703 | 67.70 | |
| PCB-29 (C26) | 22:18 | 1345494 | 1.05 | 1.3193 | 67.7 | 67.7 | 0.4703 | 0.4703 | 67.70 | |
| PCB-25 | 22:31 | 684925 | 1.06 | 1.3523 | 33.6 | 33.6 | 0.4588 | 0.4588 | 67.25 | |
| PCB-31 | 22:49 | 714863 | 1.06 | 1.3809 | 34.4 | 34.4 | 0.4493 | 0.4493 | 68.73 | M |
| PCB-20 | 23:07 | 1329440 | 1.05 | 1.3057 | 67.6 | 67.6 | 0.4752 | 0.4752 | 67.59 | |
| PCB-28 (C20) | 23:07 | 1329440 | 1.05 | 1.3057 | 67.6 | 67.6 | 0.4752 | 0.4752 | 67.59 | |
| PCB-21 | 23:21 | 1407073 | 1.05 | 1.3777 | 67.8 | 67.8 | 0.4504 | 0.4504 | 67.80 | |
| PCB-33 (C21) | 23:21 | 1407073 | 1.05 | 1.3777 | 67.8 | 67.8 | 0.4504 | 0.4504 | 67.80 | |
| PCB-22 | 23:45 | 655129 | 1.04 | 1.2430 | 35.0 | 35.0 | 0.4991 | 0.4991 | 69.98 | |
| PCB-36 | 25:18 | 746325 | 1.05 | 1.3468 | 36.8 | 36.8 | 0.4607 | 0.4607 | 73.57 | |
| PCB-39 | 25:39 | 803590 | 1.05 | 1.3970 | 38.2 | 38.2 | 0.4441 | 0.4441 | 76.37 | |
| PCB-38 | 26:14 | 696157 | 1.06 | 1.3177 | 35.1 | 35.1 | 0.4709 | 0.4709 | 70.14 | |
| PCB-35 | 26:42 | 729032 | 1.05 | 1.2166 | 39.8 | 39.8 | 0.5099 | 0.5099 | 79.56 | |
| PCB-37 | 27:06 | 746613 | 1.06 | 1.2879 | 38.5 | 38.5 | 0.4817 | 0.4817 | 76.97 | |
| S Total Tetrachlorobiphen | | | | | 1803.2 | 1803.2 | 0.1655 | 0.1655 | | |
| D PCB-54L | 20:22 | 241047 | 0.77 | 0.6515 | 98.6 | 98.6 | 0.1331 | 0.1331 | 98.64 | |
| * PCB-52L | 24:56 | 828484 | 0.80 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-81L | 33:50 | 945074 | 0.80 | 1.2328 | 92.5 | 92.5 | 0.1858 | 0.1858 | 92.53 | |
| D PCB-77L | 34:24 | 992595 | 0.81 | 1.2523 | 95.7 | 95.7 | 0.1830 | 0.1830 | 95.67 | |
| PCB-54 | 20:23 | 132751 | 0.78 | 1.2558 | 43.9 | 43.9 | 0.0404 | 0.0404 | 87.71 | |
| PCB-50 | 22:34 | 758370 | 0.80 | 0.9362 | 83.6 | 83.6 | 0.2116 | 0.2116 | 83.61 | |
| PCB-53 (C50) | 22:34 | 758370 | 0.80 | 0.9362 | 83.6 | 83.6 | 0.2116 | 0.2116 | 83.61 | |
| PCB-45 | 23:18 | 720227 | 0.79 | 0.8850 | 84.0 | 84.0 | 0.2238 | 0.2238 | 84.00 | Ma |
| PCB-51 (C45) | 23:18 | 720227 | 0.79 | 0.8850 | 84.0 | 84.0 | 0.2238 | 0.2238 | 84.00 | Ma |
| PCB-46 | 23:32 | 316687 | 0.79 | 0.7591 | 43.1 | 43.1 | 0.2609 | 0.2609 | 86.12 | |
| PCB-52 | 24:56 | 381157 | 0.79 | 0.8992 | 43.7 | 43.7 | 0.2203 | 0.2203 | 87.50 | |
| PCB-43 | 25:06 | 831732 | 0.80 | 0.9993 | 85.9 | 85.9 | 0.1982 | 0.1982 | 85.91 | M |
| PCB-73 (C43) | 25:06 | 831732 | 0.80 | 0.9993 | 85.9 | 85.9 | 0.1982 | 0.1982 | 85.91 | M |
| PCB-49 | 25:25 | 927126 | 0.80 | 1.1366 | 84.2 | 84.2 | 0.1743 | 0.1743 | 84.20 | |
| PCB-69 (C49) | 25:25 | 927126 | 0.80 | 1.1366 | 84.2 | 84.2 | 0.1743 | 0.1743 | 84.20 | |
| PCB-48 | 25:43 | 404897 | 0.79 | 0.9454 | 44.2 | 44.2 | 0.2095 | 0.2095 | 88.41 | |
| PCB-44 | 25:58 | 1261952 | 0.81 | 1.0323 | 126.2 | 126.2 | 0.1919 | 0.1919 | 84.12 | |
| PCB-47 (C44) | 25:58 | 1261952 | 0.81 | 1.0323 | 126.2 | 126.2 | 0.1919 | 0.1919 | 84.12 | |
| PCB-65 (C44) | 25:58 | 1261952 | 0.81 | 1.0323 | 126.2 | 126.2 | 0.1919 | 0.1919 | 84.12 | |
| PCB-59 | 26:15 | 1633124 | 0.79 | 1.3609 | 123.9 | 123.9 | 0.1455 | 0.1455 | 82.57 | |
| PCB-62 (C59) | 26:15 | 1633124 | 0.79 | 1.3609 | 123.9 | 123.9 | 0.1455 | 0.1455 | 82.57 | |
| PCB-75 (C59) | 26:15 | 1633124 | 0.79 | 1.3609 | 123.9 | 123.9 | 0.1455 | 0.1455 | 82.57 | |
| PCB-42 | 26:28 | 370516 | 0.80 | 0.8670 | 44.1 | 44.1 | 0.2284 | 0.2284 | 88.22 | |
| PCB-40 | 26:57 | 1182189 | 0.80 | 0.9179 | 132.9 | 132.9 | 0.2158 | 0.2158 | 88.62 | M |
| PCB-41 (C40) | 26:57 | 1182189 | 0.80 | 0.9179 | 132.9 | 132.9 | 0.2158 | 0.2158 | 88.62 | M |
| PCB-71 (C40) | 26:57 | 1182189 | 0.80 | 0.9179 | 132.9 | 132.9 | 0.2158 | 0.2158 | 88.62 | M |
| PCB-64 | 27:11 | 602071 | 0.80 | 1.4164 | 43.9 | 43.9 | 0.1398 | 0.1398 | 87.75 | |
| PCB-72 | 28:01 | 557899 | 0.82 | 1.3157 | 43.8 | 43.8 | 0.1505 | 0.1505 | 87.53 | |
| PCB-68 | 28:18 | 596312 | 0.84 | 1.4782 | 41.6 | 41.6 | 0.1340 | 0.1340 | 83.27 | |
| PCB-57 | 28:43 | 531769 | 0.80 | 1.2817 | 42.8 | 42.8 | 0.1545 | 0.1545 | 85.65 | |
| PCB-58 | 28:58 | 553869 | 0.80 | 1.3214 | 43.3 | 43.3 | 0.1499 | 0.1499 | 86.53 | |
| PCB-67 | 29:08 | 574718 | 0.81 | 1.3944 | 42.5 | 42.5 | 0.1420 | 0.1420 | 85.08 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:24 | 601568 | 0.81 | 1.4685 | 42.3 | 42.3 | 0.1349 | 0.1349 | 84.57 | |
| PCB-61 | 29:44 | 2188532 | 0.81 | 1.3565 | 166.5 | 166.5 | 0.1460 | 0.1460 | 83.26 | |
| PCB-70 (C61) | 29:44 | 2188532 | 0.81 | 1.3565 | 166.5 | 166.5 | 0.1460 | 0.1460 | 83.26 | |
| PCB-74 (C61) | 29:44 | 2188532 | 0.81 | 1.3565 | 166.5 | 166.5 | 0.1460 | 0.1460 | 83.26 | |
| PCB-76 (C61) | 29:44 | 2188532 | 0.81 | 1.3565 | 166.5 | 166.5 | 0.1460 | 0.1460 | 83.26 | |
| PCB-66 | 30:03 | 538023 | 0.79 | 1.2800 | 43.4 | 43.4 | 0.1547 | 0.1547 | 86.77 | |
| PCB-55 | 30:13 | 542345 | 0.80 | 1.2951 | 43.2 | 43.2 | 0.1529 | 0.1529 | 86.45 | |
| PCB-56 | 30:43 | 533633 | 0.80 | 1.2671 | 43.5 | 43.5 | 0.1563 | 0.1563 | 86.94 | |
| PCB-60 | 30:55 | 554019 | 0.80 | 1.3288 | 43.0 | 43.0 | 0.1491 | 0.1491 | 86.07 | |
| PCB-80 | 31:21 | 621233 | 0.82 | 1.4694 | 43.6 | 43.6 | 0.1348 | 0.1348 | 87.28 | |
| PCB-79 | 32:51 | 651360 | 0.80 | 1.5421 | 43.6 | 43.6 | 0.1284 | 0.1284 | 87.20 | |
| PCB-78 | 33:25 | 555225 | 0.78 | 1.3150 | 43.6 | 43.6 | 0.1506 | 0.1506 | 87.16 | |
| PCB-81 | 33:52 | 588952 | 0.80 | 1.3214 | 47.2 | 47.2 | 0.1515 | 0.1515 | 94.32 | |
| PCB-77 | 34:25 | 604184 | 0.78 | 1.3308 | 45.7 | 45.7 | 0.1473 | 0.1473 | 91.48 | |
| S Total Pentachlorobiphen | | | | | 2350.1 | 2350.1 | 0.2249 | 0.2249 | | |
| D PCB-104L | 25:52 | 514371 | 1.58 | 1.1164 | 81.1 | 81.1 | 0.1048 | 0.1048 | 81.09 | |
| * PCB-101L | 31:47 | 568199 | 1.60 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:28 | 644496 | 1.60 | 1.2177 | 93.1 | 93.1 | 0.0961 | 0.0961 | 93.15 | |
| D PCB-123L | 36:25 | 963673 | 1.56 | 0.9909 | 84.6 | 84.6 | 0.5646 | 0.5646 | 84.58 | |
| D PCB-118L | 36:44 | 1033470 | 1.57 | 1.0256 | 87.6 | 87.6 | 0.5455 | 0.5455 | 87.65 | |
| D PCB-114L | 37:16 | 975994 | 1.62 | 1.0030 | 84.6 | 84.6 | 0.5578 | 0.5578 | 84.63 | |
| D PCB-105L | 37:54 | 978784 | 1.61 | 1.0013 | 85.0 | 85.0 | 0.5588 | 0.5588 | 85.02 | |
| * PCB-127L | 39:24 | 1149752 | 1.62 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 41:00 | 969523 | 1.61 | 0.9020 | 93.5 | 93.5 | 0.6203 | 0.6203 | 93.48 | |
| PCB-104 | 25:54 | 357905 | 1.61 | 1.3926 | 50.0 | 50.0 | 0.0815 | 0.0815 | 99.93 | |
| PCB-96 | 26:15 | 322792 | 1.61 | 1.2268 | 51.2 | 51.2 | 0.0925 | 0.0925 | 102 | |
| PCB-103 | 28:12 | 272016 | 1.59 | 1.0331 | 51.2 | 51.2 | 0.1098 | 0.1098 | 102 | |
| PCB-94 | 28:25 | 245002 | 1.63 | 0.9036 | 52.7 | 52.7 | 0.1256 | 0.1256 | 105 | |
| PCB-95 | 28:51 | 262747 | 1.60 | 0.9620 | 53.1 | 53.1 | 0.1179 | 0.1179 | 106 | |
| PCB-93 | 29:05 | 502789 | 1.62 | 0.9806 | 99.7 | 99.7 | 0.1157 | 0.1157 | 99.68 | |
| PCB-100 (C93) | 29:05 | 502789 | 1.62 | 0.9806 | 99.7 | 99.7 | 0.1157 | 0.1157 | 99.68 | |
| PCB-98 | 29:14 | 526255 | 1.59 | 0.9888 | 103.5 | 103.5 | 0.1148 | 0.1148 | 103 | M |
| PCB-102 (C98) | 29:14 | 526255 | 1.59 | 0.9888 | 103.5 | 103.5 | 0.1148 | 0.1148 | 103 | M |
| PCB-88 | 29:43 | 524248 | 1.60 | 1.0052 | 101.4 | 101.4 | 0.1129 | 0.1129 | 101 | Ma |
| PCB-91 (C88) | 29:43 | 524248 | 1.60 | 1.0052 | 101.4 | 101.4 | 0.1129 | 0.1129 | 101 | Ma |
| PCB-84 | 29:56 | 230976 | 1.58 | 0.8601 | 52.2 | 52.2 | 0.1319 | 0.1319 | 104 | |
| PCB-89 | 30:25 | 248446 | 1.60 | 0.8936 | 54.1 | 54.1 | 0.1270 | 0.1270 | 108 | |
| PCB-121 | 30:51 | 364151 | 1.61 | 1.3971 | 50.7 | 50.7 | 0.0812 | 0.0812 | 101 | M |
| PCB-92 | 31:13 | 264882 | 1.57 | 0.9532 | 54.0 | 54.0 | 0.1190 | 0.1190 | 108 | M |
| PCB-90 | 31:47 | 935688 | 1.59 | 1.1367 | 160.0 | 160.0 | 0.0998 | 0.0998 | 107 | |
| PCB-101 (C90) | 31:47 | 935688 | 1.59 | 1.1367 | 160.0 | 160.0 | 0.0998 | 0.0998 | 107 | |
| PCB-113 (C90) | 31:47 | 935688 | 1.59 | 1.1367 | 160.0 | 160.0 | 0.0998 | 0.0998 | 107 | |
| PCB-83 | 32:22 | 520568 | 1.61 | 0.9393 | 107.7 | 107.7 | 0.1208 | 0.1208 | 108 | |
| PCB-99 (C83) | 32:22 | 520568 | 1.61 | 0.9393 | 107.7 | 107.7 | 0.1208 | 0.1208 | 108 | |
| PCB-112 | 32:29 | 389497 | 1.62 | 1.3672 | 55.4 | 55.4 | 0.0830 | 0.0830 | 111 | |
| PCB-86 | 32:52 | 1939004 | 1.60 | 1.1958 | 315.2 | 315.2 | 0.0949 | 0.0949 | 105 | M |
| PCB-87 (C86) | 32:52 | 1939004 | 1.60 | 1.1958 | 315.2 | 315.2 | 0.0949 | 0.0949 | 105 | M |
| PCB-97 (C86) | 32:52 | 1939004 | 1.60 | 1.1958 | 315.2 | 315.2 | 0.0949 | 0.0949 | 105 | M |
| PCB-109 (C86) | 32:52 | 1939004 | 1.60 | 1.1958 | 315.2 | 315.2 | 0.0949 | 0.0949 | 105 | M |
| PCB-119 (C86) | 32:52 | 1939004 | 1.60 | 1.1958 | 315.2 | 315.2 | 0.0949 | 0.0949 | 105 | M |
| PCB-125 (C86) | 32:52 | 1939004 | 1.60 | 1.1958 | 315.2 | 315.2 | 0.0949 | 0.0949 | 105 | M |
| PCB-85 | 33:36 | 1036090 | 1.58 | 1.2126 | 166.1 | 166.1 | 0.0936 | 0.0936 | 111 | |
| PCB-116 (C85) | 33:36 | 1036090 | 1.58 | 1.2126 | 166.1 | 166.1 | 0.0936 | 0.0936 | 111 | |
| PCB-117 (C85) | 33:36 | 1036090 | 1.58 | 1.2126 | 166.1 | 166.1 | 0.0936 | 0.0936 | 111 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:50 | 776312 | 1.60 | 1.3511 | 111.7 | 111.7 | 0.0840 | 0.0840 | 112 | |
| PCB-115 (C110) | 33:50 | 776312 | 1.60 | 1.3511 | 111.7 | 111.7 | 0.0840 | 0.0840 | 112 | |
| PCB-82 | 34:05 | 249140 | 1.63 | 0.8675 | 55.8 | 55.8 | 0.1308 | 0.1308 | 112 | |
| PCB-111 | 34:29 | 405304 | 1.63 | 1.4262 | 55.3 | 55.3 | 0.0796 | 0.0796 | 111 | |
| PCB-120 | 34:57 | 417195 | 1.59 | 1.4907 | 54.4 | 54.4 | 0.0761 | 0.0761 | 109 | |
| PCB-108 | 36:04 | 1090957 | 1.58 | 1.2547 | 88.3 | 88.3 | 0.4935 | 0.4935 | 88.34 | |
| PCB-124 (C108) | 36:04 | 1090957 | 1.58 | 1.2547 | 88.3 | 88.3 | 0.4935 | 0.4935 | 88.34 | |
| PCB-107 | 36:19 | 597831 | 1.56 | 1.3580 | 44.7 | 44.7 | 0.4560 | 0.4560 | 89.45 | |
| PCB-123 | 36:26 | 594776 | 1.55 | 1.3407 | 46.0 | 46.0 | 0.4614 | 0.4614 | 92.07 | |
| PCB-106 | 36:33 | 560652 | 1.59 | 1.2749 | 44.7 | 44.7 | 0.4857 | 0.4857 | 89.36 | |
| PCB-118 | 36:46 | 602858 | 1.58 | 1.2892 | 45.2 | 45.2 | 0.4496 | 0.4496 | 90.50 | |
| PCB-122 | 37:06 | 518426 | 1.54 | 1.1614 | 45.4 | 45.4 | 0.5332 | 0.5332 | 90.70 | |
| PCB-114 | 37:17 | 607916 | 1.58 | 1.4051 | 44.3 | 44.3 | 0.4385 | 0.4385 | 88.66 | |
| PCB-105 | 37:56 | 578166 | 1.62 | 1.2887 | 45.8 | 45.8 | 0.4904 | 0.4904 | 91.67 | |
| PCB-127 | 39:25 | 579922 | 1.60 | 1.2841 | 45.9 | 45.9 | 0.4822 | 0.4822 | 91.76 | |
| PCB-126 | 41:01 | 577174 | 1.59 | 1.3416 | 44.4 | 44.4 | 0.4880 | 0.4880 | 88.75 | |
| S Total Hexachlorobipheny | | | | | 1917.0 | 1917.0 | 0.1177 | 0.1177 | | |
| D PCB-155L | 31:34 | 485737 | 1.29 | 0.9499 | 90.0 | 90.0 | 0.0654 | 0.0654 | 90.00 | |
| * PCB-138L | 39:52 | 801135 | 1.31 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:52 | 888058 | 1.31 | 1.2544 | 88.4 | 88.4 | 0.2484 | 0.2484 | 88.37 | |
| D PCB-156L | 44:01 | 1696551 | 1.29 | 1.2289 | 172.3 | 172.3 | 0.2535 | 0.2535 | 86.16 | |
| D PCB-157L (C156L) | 44:01 | 1696551 | 1.29 | 1.2289 | 172.3 | 172.3 | 0.2535 | 0.2535 | 86.16 | |
| D PCB-169L | 47:15 | 833544 | 1.27 | 1.0883 | 95.6 | 95.6 | 0.2863 | 0.2863 | 95.60 | |
| PCB-155 | 31:35 | 290806 | 1.27 | 1.3028 | 46.0 | 46.0 | 0.0306 | 0.0306 | 91.91 | |
| PCB-152 | 31:46 | 280710 | 1.30 | 1.2556 | 46.0 | 46.0 | 0.0317 | 0.0317 | 92.05 | |
| PCB-150 | 31:56 | 287861 | 1.29 | 1.2368 | 47.9 | 47.9 | 0.0322 | 0.0322 | 95.83 | |
| PCB-136 | 32:17 | 266554 | 1.25 | 1.1563 | 47.5 | 47.5 | 0.0344 | 0.0344 | 94.92 | |
| PCB-145 | 32:35 | 272608 | 1.29 | 1.1910 | 47.1 | 47.1 | 0.0334 | 0.0334 | 94.24 | |
| PCB-148 | 34:06 | 204947 | 1.26 | 0.8982 | 47.0 | 47.0 | 0.0443 | 0.0443 | 93.95 | |
| PCB-135 | 34:41 | 418241 | 1.28 | 0.8691 | 99.1 | 99.1 | 0.0458 | 0.0458 | 99.07 | M |
| PCB-151 (C135) | 34:41 | 418241 | 1.28 | 0.8691 | 99.1 | 99.1 | 0.0458 | 0.0458 | 99.07 | M |
| PCB-154 | 34:57 | 234747 | 1.26 | 1.0180 | 47.5 | 47.5 | 0.0391 | 0.0391 | 94.95 | |
| PCB-144 | 35:16 | 216149 | 1.27 | 0.9185 | 48.4 | 48.4 | 0.0433 | 0.0433 | 96.90 | |
| PCB-147 | 35:38 | 723024 | 1.27 | 0.9747 | 86.8 | 86.8 | 0.1638 | 0.1638 | 86.81 | |
| PCB-149 (C147) | 35:38 | 723024 | 1.27 | 0.9747 | 86.8 | 86.8 | 0.1638 | 0.1638 | 86.81 | |
| PCB-134 | 35:55 | 659032 | 1.27 | 0.8518 | 90.5 | 90.5 | 0.1874 | 0.1874 | 90.54 | |
| PCB-143 (C134) | 35:55 | 659032 | 1.27 | 0.8518 | 90.5 | 90.5 | 0.1874 | 0.1874 | 90.54 | |
| PCB-139 | 36:13 | 746918 | 1.26 | 0.9995 | 87.4 | 87.4 | 0.1597 | 0.1597 | 87.45 | |
| PCB-140 (C139) | 36:13 | 746918 | 1.26 | 0.9995 | 87.4 | 87.4 | 0.1597 | 0.1597 | 87.45 | |
| PCB-131 | 36:25 | 326725 | 1.28 | 0.8584 | 44.5 | 44.5 | 0.1860 | 0.1860 | 89.08 | |
| PCB-142 | 36:34 | 330213 | 1.28 | 0.8597 | 44.9 | 44.9 | 0.1857 | 0.1857 | 89.90 | |
| PCB-132 | 36:52 | 344100 | 1.28 | 0.8801 | 45.8 | 45.8 | 0.1814 | 0.1814 | 91.51 | |
| PCB-133 | 37:24 | 341405 | 1.25 | 0.9064 | 44.1 | 44.1 | 0.1761 | 0.1761 | 88.16 | |
| PCB-165 | 37:47 | 437522 | 1.27 | 1.1210 | 45.7 | 45.7 | 0.1424 | 0.1424 | 91.35 | |
| PCB-146 | 38:02 | 397517 | 1.27 | 1.0084 | 46.1 | 46.1 | 0.1583 | 0.1583 | 92.27 | |
| PCB-161 | 38:10 | 489579 | 1.26 | 1.3370 | 42.9 | 42.9 | 0.1194 | 0.1194 | 85.70 | |
| PCB-153 | 38:41 | 931749 | 1.29 | 1.2207 | 89.3 | 89.3 | 0.1308 | 0.1308 | 89.33 | |
| PCB-168 (C153) | 38:41 | 931749 | 1.29 | 1.2207 | 89.3 | 89.3 | 0.1308 | 0.1308 | 89.33 | |
| PCB-141 | 38:50 | 375981 | 1.28 | 0.9608 | 45.8 | 45.8 | 0.1661 | 0.1661 | 91.59 | |
| PCB-130 | 39:15 | 322478 | 1.25 | 0.8274 | 45.6 | 45.6 | 0.1929 | 0.1929 | 91.22 | |
| PCB-137 | 39:28 | 403425 | 1.24 | 1.0582 | 44.6 | 44.6 | 0.1508 | 0.1508 | 89.22 | |
| PCB-164 | 39:35 | 486235 | 1.27 | 1.2527 | 45.4 | 45.4 | 0.1274 | 0.1274 | 90.85 | |
| PCB-129 | 39:54 | 1663623 | 1.26 | 1.0840 | 179.6 | 179.6 | 0.1473 | 0.1473 | 89.80 | M |
| PCB-138 (C129) | 39:54 | 1663623 | 1.26 | 1.0840 | 179.6 | 179.6 | 0.1473 | 0.1473 | 89.80 | M |
| PCB-160 (C129) | 39:54 | 1663623 | 1.26 | 1.0840 | 179.6 | 179.6 | 0.1473 | 0.1473 | 89.80 | M |
| PCB-163 (C129) | 39:54 | 1663623 | 1.26 | 1.0840 | 179.6 | 179.6 | 0.1473 | 0.1473 | 89.80 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:17 | 534797 | 1.26 | 1.3862 | 45.1 | 45.1 | 0.1152 | 0.1152 | 90.30 | |
| PCB-128 | 41:07 | 861968 | 1.25 | 1.1165 | 90.3 | 90.3 | 0.1430 | 0.1430 | 90.35 | |
| PCB-166 (C128) | 41:07 | 861968 | 1.25 | 1.1165 | 90.3 | 90.3 | 0.1430 | 0.1430 | 90.35 | |
| PCB-159 | 42:08 | 506726 | 1.27 | 1.3178 | 45.0 | 45.0 | 0.1211 | 0.1211 | 89.99 | |
| PCB-162 | 42:26 | 535307 | 1.24 | 1.3623 | 46.0 | 46.0 | 0.1172 | 0.1172 | 91.97 | |
| PCB-167 | 42:54 | 546897 | 1.26 | 1.3357 | 46.1 | 46.1 | 0.0968 | 0.0968 | 92.21 | |
| PCB-156 | 44:02 | 1004826 | 1.26 | 1.2759 | 92.8 | 92.8 | 0.1509 | 0.1509 | 92.84 | |
| PCB-157 (C156) | 44:02 | 1004826 | 1.26 | 1.2759 | 92.8 | 92.8 | 0.1509 | 0.1509 | 92.84 | |
| PCB-169 | 47:17 | 491453 | 1.27 | 1.2825 | 46.0 | 46.0 | 0.1124 | 0.1124 | 91.94 | |
| S Total Heptachlorobiphen | | | | | 1238.9 | 1238.9 | 0.0507 | 0.0507 | | |
| D PCB-188L | 37:16 | 649476 | 1.06 | 1.3162 | 83.3 | 83.3 | 0.0921 | 0.0921 | 83.34 | |
| $ PCB-178L | 40:19 | 508380 | 1.12 | 0.9222 | 93.1 | 93.1 | 0.1315 | 0.1315 | 93.10 | |
| * PCB-180L | 45:25 | 592123 | 1.08 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:41 | 413047 | 1.06 | 0.8357 | 83.5 | 83.5 | 0.1451 | 0.1451 | 83.47 | |
| D PCB-189L | 49:48 | 1047353 | 1.05 | 1.4666 | 90.6 | 90.6 | 1.430 | 1.430 | 90.57 | |
| PCB-188 | 37:18 | 388267 | 1.06 | 1.2502 | 47.8 | 47.8 | 0.0329 | 0.0329 | 95.64 | |
| PCB-179 | 37:38 | 375630 | 1.07 | 1.4149 | 50.0 | 50.0 | 0.0364 | 0.0364 | 99.95 | |
| PCB-184 | 38:10 | 362736 | 1.07 | 1.4191 | 48.1 | 48.1 | 0.0363 | 0.0363 | 96.23 | |
| PCB-176 | 38:31 | 414758 | 1.07 | 1.5212 | 51.3 | 51.3 | 0.0338 | 0.0338 | 103 | |
| PCB-186 | 38:59 | 388760 | 1.07 | 1.4350 | 51.0 | 51.0 | 0.0359 | 0.0359 | 102 | |
| PCB-178 | 40:22 | 282510 | 1.07 | 1.0228 | 52.0 | 52.0 | 0.0503 | 0.0503 | 104 | |
| PCB-175 | 40:59 | 291095 | 1.06 | 1.0690 | 51.3 | 51.3 | 0.0482 | 0.0482 | 103 | |
| PCB-187 | 41:16 | 309981 | 1.06 | 1.1106 | 52.5 | 52.5 | 0.0464 | 0.0464 | 105 | |
| PCB-182 | 41:28 | 320312 | 1.07 | 1.1484 | 52.5 | 52.5 | 0.0448 | 0.0448 | 105 | |
| PCB-183 | 41:53 | 623488 | 1.08 | 1.1368 | 103.2 | 103.2 | 0.0453 | 0.0453 | 103 | M |
| PCB-185 (C183) | 41:53 | 623488 | 1.08 | 1.1368 | 103.2 | 103.2 | 0.0453 | 0.0453 | 103 | M |
| PCB-174 | 42:06 | 270372 | 1.06 | 0.9547 | 53.3 | 53.3 | 0.0539 | 0.0539 | 107 | |
| PCB-177 | 42:33 | 272137 | 1.06 | 0.9426 | 54.3 | 54.3 | 0.0546 | 0.0546 | 109 | |
| PCB-181 | 42:56 | 306137 | 1.06 | 1.1075 | 52.0 | 52.0 | 0.0465 | 0.0465 | 104 | |
| PCB-171 | 43:10 | 557019 | 1.06 | 0.9603 | 109.2 | 109.2 | 0.0536 | 0.0536 | 109 | |
| PCB-173 (C171) | 43:10 | 557019 | 1.06 | 0.9603 | 109.2 | 109.2 | 0.0536 | 0.0536 | 109 | |
| PCB-172 | 44:48 | 268853 | 1.06 | 0.9918 | 51.0 | 51.0 | 0.0519 | 0.0519 | 102 | |
| PCB-192 | 45:04 | 357142 | 1.08 | 1.2904 | 52.1 | 52.1 | 0.0399 | 0.0399 | 104 | |
| PCB-180 | 45:25 | 684174 | 1.07 | 1.2286 | 104.8 | 104.8 | 0.0419 | 0.0419 | 105 | |
| PCB-193 (C180) | 45:25 | 684174 | 1.07 | 1.2286 | 104.8 | 104.8 | 0.0419 | 0.0419 | 105 | |
| PCB-191 | 45:48 | 388309 | 1.06 | 1.3848 | 52.8 | 52.8 | 0.0372 | 0.0372 | 106 | |
| PCB-170 | 46:42 | 274756 | 1.05 | 1.2700 | 52.4 | 52.4 | 0.0542 | 0.0542 | 105 | |
| PCB-190 | 47:14 | 378187 | 1.07 | 1.3774 | 51.7 | 51.7 | 0.0374 | 0.0374 | 103 | |
| PCB-189 | 49:49 | 609916 | 1.05 | 1.2799 | 45.5 | 45.5 | 0.1843 | 0.1843 | 91.00 | |
| S Total Octachlorobipheny | | | | | 529.2 | 529.2 | 0.1344 | 0.1344 | | |
| D PCB-202L | 42:39 | 548453 | 0.90 | 1.0055 | 92.1 | 92.1 | 0.0849 | 0.0849 | 92.12 | |
| * PCB-194L | 51:54 | 788523 | 0.92 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:23 | 832562 | 0.92 | 1.2867 | 82.1 | 82.1 | 0.4167 | 0.4167 | 82.06 | |
| PCB-202 | 42:41 | 253467 | 0.92 | 1.0531 | 43.9 | 43.9 | 0.0218 | 0.0218 | 87.77 | |
| PCB-201 | 43:35 | 274098 | 0.92 | 1.1860 | 42.1 | 42.1 | 0.0193 | 0.0193 | 84.28 | |
| PCB-204 | 44:16 | 262233 | 0.90 | 1.1009 | 43.4 | 43.4 | 0.0208 | 0.0208 | 86.87 | |
| PCB-197 | 44:30 | 270174 | 0.91 | 1.2053 | 40.9 | 40.9 | 0.0190 | 0.0190 | 81.74 | |
| PCB-200 | 44:36 | 279234 | 0.90 | 1.1260 | 45.2 | 45.2 | 0.0204 | 0.0204 | 90.43 | |
| PCB-198 | 47:23 | 390945 | 0.91 | 0.8183 | 87.1 | 87.1 | 0.0280 | 0.0280 | 87.11 | |
| PCB-199 (C198) | 47:23 | 390945 | 0.91 | 0.8183 | 87.1 | 87.1 | 0.0280 | 0.0280 | 87.11 | |
| PCB-196 | 48:04 | 201572 | 0.91 | 0.8748 | 42.0 | 42.0 | 0.0262 | 0.0262 | 84.03 | |
| PCB-203 | 48:16 | 203395 | 0.90 | 0.9219 | 40.2 | 40.2 | 0.0249 | 0.0249 | 80.45 | |
| PCB-195 | 49:35 | 338020 | 0.93 | 0.7839 | 51.8 | 51.8 | 0.5235 | 0.5235 | 104 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:56 | 365334 | 0.90 | 0.9282 | 47.3 | 47.3 | 0.4421 | 0.4421 | 94.55 | |
| PCB-205 | 52:24 | 465048 | 0.91 | 1.2342 | 45.3 | 45.3 | 0.3325 | 0.3325 | 90.51 | |
| S Total Nonachlorobipheny | | | | | 133.7 | 133.7 | 0.3704 | 0.3704 | | |
| D PCB-208L | 49:20 | 726128 | 0.79 | 1.1383 | 80.9 | 80.9 | 0.6769 | 0.6769 | 80.90 | |
| D PCB-206L | 54:09 | 505375 | 0.80 | 0.8938 | 71.7 | 71.7 | 0.8620 | 0.8620 | 71.70 | |
| PCB-208 | 49:22 | 373905 | 0.79 | 1.1567 | 44.5 | 44.5 | 0.3229 | 0.3229 | 89.03 | |
| PCB-207 | 50:18 | 390424 | 0.80 | 1.3964 | 45.4 | 45.4 | 0.3205 | 0.3205 | 90.82 | |
| PCB-206 | 54:10 | 263781 | 0.80 | 1.1927 | 43.8 | 43.8 | 0.4678 | 0.4678 | 87.52 | |
| D PCB-209L | 55:47 | 472443 | 0.72 | 0.9809 | 61.1 | 61.1 | 0.0720 | 0.0720 | 61.08 | |
| DCB Decachlorobiphenyl | 55:49 | 259267 | 0.71 | 1.2455 | 44.1 | 44.1 | 0.0286 | 0.0286 | 88.12 | |
| S Polychlorinated bipheny | | | | | 9555.9 | 9555.9 | 0.1643 | 0.1643 | | |

## QC Flag Legend

Processing Flags
- R - Failed Signal Ratio Test
- Q - EMPC-Estimated Max. Possible Conc.

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Lims ID: LCS 140-33603/11-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Sep-2019 13:53:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013159-002
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 24-Sep-2019 15:07:51 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1003

First Level Reviewer: davidsonm Date: 24-Sep-2019 15:07:51

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:46 | 11:46 | 1 | 0.729 | 587520 | 231382 | 150 | 375 | 1543 | | |
| 202.0766 | 11:46 | 11:46 | 1 | 0.729 | 189047 | 72037 | 453 | 1132 | 159 | 3.11(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:56 | 13:56 | 2 | 0.863 | 623020 | 202139 | 150 | 375 | 1348 | | |
| 202.0766 | 13:56 | 13:56 | 2 | 0.863 | 195532 | 63713 | 453 | 1132 | 141 | 3.19(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:47 | 11:47 | 1 | 1.001 | 355722 | 137624 | 107 | 267 | 1286 | | |
| 190.0363 | 11:47 | 11:47 | 1 | 1.001 | 111348 | 42160 | 67 | 167 | 629 | 3.19(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:46 | 13:47 | 1 | 0.988 | 373684 | 130761 | 107 | 267 | 1222 | | |
| 190.0363 | 13:46 | 13:47 | 1 | 0.988 | 116625 | 40847 | 67 | 167 | 610 | 3.20(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:57 | 2 | 1.001 | 376924 | 121631 | 107 | 267 | 1137 | | |
| 190.0363 | 13:56 | 13:57 | 1 | 1.000 | 117836 | 37856 | 67 | 167 | 565 | 3.20(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:11 | 14:11 | 1 | 0.878 | 191265 | 63363 | 78 | 195 | 812 | | |
| 236.0376 | 14:11 | 14:11 | 1 | 0.878 | 116168 | 40065 | 32 | 80 | 1252 | 1.65(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:09 | 16:08 | 1 | | 393561 | 120269 | 78 | 195 | 1542 | | |
| 236.0376 | 16:09 | 16:08 | 1 | | 243430 | 74809 | 32 | 80 | 2338 | 1.62(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:04 | 20:03 | 2 | 1.242 | 362701 | 92966 | 78 | 195 | 1192 | | |
| 236.0376 | 20:04 | 20:03 | 2 | 1.242 | 227352 | 58660 | 32 | 80 | 1833 | 1.60(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:12 | 14:12 | 1 | 1.001 | 116325 | 39551 | 28 | 70 | 1413 | | |
| 223.9974 | 14:12 | 14:12 | 1 | 1.001 | 73529 | 25067 | 18 | 45 | 1393 | 1.58(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:22 | 14:22 | 1 | 1.013 | 185535 | 61305 | 28 | 70 | 2189 | | |
| 223.9974 | 14:22 | 14:22 | 1 | 1.013 | 115803 | 38324 | 18 | 45 | 2129 | 1.60(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:11 | 16:10 | 2 | 1.140 | 179596 | 53485 | 28 | 70 | 1910 | | |
| 223.9974 | 16:11 | 16:10 | 2 | 1.140 | 110272 | 32242 | 18 | 45 | 1791 | 1.63(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:20 | 16:20 | 1 | 1.151 | 204541 | 61364 | 28 | 70 | 2192 | | |
| 223.9974 | 16:20 | 16:20 | 1 | 1.151 | 125552 | 37983 | 18 | 45 | 2110 | 1.63(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:35 | 16:34 | 2 | 1.169 | 194403 | 55773 | 28 | 70 | 1992 | | |
| 223.9974 | 16:34 | 16:34 | 1 | 1.168 | 120824 | 34463 | 18 | 45 | 1915 | 1.61(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:53 | 16:52 | 2 | 1.190 | 195688 | 57705 | 28 | 70 | 2061 | | |
| 223.9974 | 16:53 | 16:52 | 2 | 1.190 | 122251 | 35922 | 18 | 45 | 1996 | 1.60(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:00 | 17:00 | 1 | 1.198 | 202321 | 56361 | 28 | 70 | 2013 | | |
| 223.9974 | 17:00 | 17:00 | 1 | 1.198 | 125585 | 35129 | 18 | 45 | 1952 | 1.61(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:37 | 18:38 | 1 | 0.928 | 248658 | 66014 | 28 | 70 | 2358 | | |
| 223.9974 | 18:37 | 18:38 | 1 | 0.928 | 154769 | 41978 | 18 | 45 | 2332 | 1.61(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:28 | 19:28 | 1 | 0.970 | 215781 | 57246 | 28 | 70 | 2045 | | |
| 223.9974 | 19:28 | 19:28 | 1 | 0.970 | 134603 | 35671 | 18 | 45 | 1982 | 1.60(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 2 | 0.986 | 437987 | 68015 | 28 | 70 | 2429 | | |
| 223.9974 | 19:47 | 19:47 | 2 | 0.986 | 271469 | 42316 | 18 | 45 | 2351 | 1.61(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:47 | 19:47 | 2 | 0.986 | 437987 | 68015 | 28 | 70 | 2429 | | |
| 223.9974 | 19:47 | 19:47 | 2 | 0.986 | 271469 | 42316 | 18 | 45 | 2351 | 1.61(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:05 | 20:05 | 1 | 1.001 | 231754 | 56183 | 28 | 70 | 2007 | | |
| 223.9974 | 20:05 | 20:05 | 1 | 1.001 | 142517 | 34716 | 18 | 45 | 1929 | 1.63(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:17 | 17:17 | 2 | 0.842 | 87215 | 25030 | 334 | 835 | 75 | | |
| 269.9986 | 17:17 | 17:17 | 2 | 0.842 | 86901 | 25808 | 109 | 272 | 237 | 1.00(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:32 | 20:31 | 1 | | 199539 | 49688 | 334 | 835 | 149 | | |
| 269.9986 | 20:32 | 20:31 | 1 | | 175552 | 44881 | 109 | 272 | 412 | 1.14(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | M |
| 268.0016 | 22:48 | 22:47 | 2 | | 790837 | 192301 | 164 | 410 | 1173 | | M |
| 269.9986 | 22:48 | 22:47 | 2 | | 754719 | 181199 | 557 | 1392 | 325 | 1.05(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:06 | 23:05 | 2 | 1.013 | 697330 | 165125 | 164 | 410 | 1007 | | |
| 269.9986 | 23:06 | 23:05 | 2 | 1.013 | 651437 | 156618 | 557 | 1392 | 281 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | RQ |
| 268.0016 | 27:05 | 27:05 | 1 | 1.188 | 870174 | 167483 | 164 | 410 | 1021 | | |
| | Empc Correction | | | | 661654 | 142965 | 164 | 410 | 872 | | |
| 269.9986 | 27:05 | 27:05 | 1 | 1.188 | 636206 | 137467 | 557 | 1392 | 247 | 1.37(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:18 | 17:19 | 1 | 1.001 | 61007 | 17362 | 7 | 17 | 2480 | | |
| 257.9584 | 17:18 | 17:19 | 1 | 1.001 | 55484 | 15708 | 11 | 27 | 1428 | 1.10(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:10 | 1 | 1.107 | 172288 | 38358 | 7 | 17 | 5480 | | |
| 257.9584 | 19:09 | 19:10 | 1 | 1.107 | 155817 | 34860 | 11 | 27 | 3169 | 1.11(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:09 | 19:10 | 1 | 1.107 | 172288 | 38358 | 7 | 17 | 5480 | | |
| 257.9584 | 19:09 | 19:10 | 1 | 1.107 | 155817 | 34860 | 11 | 27 | 3169 | 1.11(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:36 | 19:36 | 2 | 1.133 | 74262 | 19441 | 7 | 17 | 2777 | | |
| 257.9584 | 19:36 | 19:36 | 2 | 1.133 | 69069 | 18067 | 11 | 27 | 1642 | 1.08(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:48 | 19:48 | 2 | 1.145 | 102703 | 27325 | 7 | 17 | 3904 | | |
| 257.9584 | 19:48 | 19:48 | 2 | 1.145 | 94018 | 25046 | 11 | 27 | 2277 | 1.09(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:56 | 19:56 | 2 | 1.153 | 98640 | 26660 | 7 | 17 | 3809 | | |
| 257.9584 | 19:56 | 19:56 | 2 | 1.153 | 90141 | 23608 | 11 | 27 | 2146 | 1.09(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:02 | 20:03 | 1 | 1.159 | 59135 | 15123 | 7 | 17 | 2160 | | |
| 257.9584 | 20:02 | 20:03 | 1 | 1.159 | 53310 | 13428 | 11 | 27 | 1221 | 1.11(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:34 | 20:35 | 1 | 1.189 | 113109 | 29981 | 7 | 17 | 4283 | | |
| 257.9584 | 20:34 | 20:35 | 1 | 1.189 | 100666 | 25964 | 11 | 27 | 2360 | 1.12(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:49 | 21:50 | 2 | 1.262 | 329395 | 83750 | 135 | 337 | 620 | | |
| 257.9584 | 21:49 | 21:50 | 2 | 1.262 | 313996 | 79600 | 622 | 1555 | 128 | 1.05(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 21:58 | 21:59 | 2 | 1.271 | 338747 | 85440 | 135 | 337 | 633 | | |
| 257.9584 | 21:58 | 21:59 | 2 | 1.271 | 322840 | 81465 | 622 | 1555 | 131 | 1.05(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:18 | 2 | 1.289 | 690104 | 131389 | 135 | 337 | 973 | | |
| 257.9584 | 22:18 | 22:18 | 2 | 1.289 | 655390 | 124069 | 622 | 1555 | 199 | 1.05(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:18 | 22:18 | 2 | 1.289 | 690104 | 131389 | 135 | 337 | 973 | | |
| 257.9584 | 22:18 | 22:18 | 2 | 1.289 | 655390 | 124069 | 622 | 1555 | 199 | 1.05(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:31 | 22:30 | 1 | 0.831 | 351998 | 83418 | 135 | 337 | 618 | | |
| 257.9584 | 22:31 | 22:30 | 1 | 0.831 | 332927 | 77909 | 622 | 1555 | 125 | 1.06(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | M |
| 255.9613 | 22:49 | 22:49 | 1 | 0.842 | 368211 | 89824 | 135 | 337 | 665 | | |
| 257.9584 | 22:49 | 22:49 | 1 | 0.842 | 346652 | 84501 | 622 | 1555 | 136 | 1.06(0.88-1.20) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:07 | 1 | 0.854 | 681936 | 139430 | 135 | 337 | 1033 | | |
| 257.9584 | 23:07 | 23:07 | 1 | 0.854 | 647504 | 132565 | 622 | 1555 | 213 | 1.05(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:07 | 23:07 | 1 | 0.854 | 681936 | 139430 | 135 | 337 | 1033 | | |
| 257.9584 | 23:07 | 23:07 | 1 | 0.854 | 647504 | 132565 | 622 | 1555 | 213 | 1.05(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:21 | 1 | 0.862 | 719043 | 92772 | 135 | 337 | 687 | | |
| 257.9584 | 23:21 | 23:21 | 1 | 0.862 | 688030 | 89186 | 622 | 1555 | 143 | 1.05(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:21 | 23:21 | 1 | 0.862 | 719043 | 92772 | 135 | 337 | 687 | | |
| 257.9584 | 23:21 | 23:21 | 1 | 0.862 | 688030 | 89186 | 622 | 1555 | 143 | 1.05(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:45 | 23:45 | 1 | 0.877 | 334260 | 79578 | 135 | 337 | 589 | | |
| 257.9584 | 23:45 | 23:45 | 1 | 0.877 | 320869 | 77583 | 622 | 1555 | 125 | 1.04(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:18 | 25:18 | 1 | 0.934 | 382027 | 83480 | 135 | 337 | 618 | | |
| 257.9584 | 25:18 | 25:18 | 1 | 0.934 | 364298 | 80092 | 622 | 1555 | 129 | 1.05(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:39 | 25:39 | 1 | 0.947 | 412484 | 91841 | 135 | 337 | 680 | | |
| 257.9584 | 25:39 | 25:39 | 1 | 0.947 | 391106 | 87521 | 622 | 1555 | 141 | 1.05(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:14 | 26:14 | 1 | 0.969 | 357959 | 81453 | 135 | 337 | 603 | | |
| 257.9584 | 26:14 | 26:14 | 1 | 0.969 | 338198 | 75749 | 622 | 1555 | 122 | 1.06(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:42 | 26:42 | 1 | 0.986 | 373768 | 80482 | 135 | 337 | 596 | | |
| 257.9584 | 26:42 | 26:42 | 1 | 0.986 | 355264 | 76494 | 622 | 1555 | 123 | 1.05(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:06 | 27:06 | 1 | 1.001 | 383984 | 83542 | 135 | 337 | 619 | | |
| 257.9584 | 27:06 | 27:06 | 1 | 1.001 | 362629 | 79177 | 622 | 1555 | 127 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:22 | 20:22 | 1 | 0.817 | 104477 | 26518 | 19 | 47 | 1396 | | |
| 303.9597 | 20:22 | 20:22 | 1 | 0.817 | 136570 | 36493 | 14 | 35 | 2607 | 0.77(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:56 | 24:54 | 2 | | 367405 | 83035 | 77 | 192 | 1078 | | |
| 303.9597 | 24:56 | 24:54 | 2 | | 461079 | 106826 | 97 | 242 | 1101 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:50 | 33:52 | 1 | 1.358 | 419148 | 87859 | 77 | 192 | 1141 | | |
| 303.9597 | 33:50 | 33:52 | 1 | 1.358 | 525926 | 111974 | 97 | 242 | 1154 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:24 | 34:25 | 1 | 1.380 | 443653 | 90749 | 77 | 192 | 1179 | | |
| 303.9597 | 34:24 | 34:25 | 1 | 1.380 | 548942 | 113315 | 97 | 242 | 1168 | 0.81(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:23 | 20:22 | 2 | 1.000 | 58184 | 14840 | 6 | 15 | 2473 | | |
| 291.9194 | 20:23 | 20:22 | 1 | 0.999 | 74567 | 18871 | 7 | 17 | 2696 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:34 | 1 | 1.108 | 337895 | 63660 | 71 | 177 | 897 | | |
| 291.9194 | 22:34 | 22:34 | 1 | 1.108 | 420475 | 79955 | 89 | 222 | 898 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:34 | 1 | 1.108 | 337895 | 63660 | 71 | 177 | 897 | | |
| 291.9194 | 22:34 | 22:34 | 1 | 1.108 | 420475 | 79955 | 89 | 222 | 898 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | Ma |
| 289.9224 | 23:18 | 23:18 | 2 | 1.144 | 318004 | 40746 | 71 | 177 | 574 | | M |
| 291.9194 | 23:17 | 23:18 | 1 | 1.144 | 402223 | 51658 | 89 | 222 | 580 | 0.79(0.65-0.89) | |
| PCB-51 (C45) | | | | | | | | | | | Ma |
| 289.9224 | 23:18 | 23:18 | 2 | 1.144 | 318004 | 40746 | 71 | 177 | 574 | | M |
| 291.9194 | 23:17 | 23:18 | 1 | 1.144 | 402223 | 51658 | 89 | 222 | 580 | 0.79(0.65-0.89) | |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:32 | 23:32 | 1 | 1.155 | 139517 | 33893 | 71 | 177 | 477 | | |
| 291.9194 | 23:32 | 23:32 | 1 | 1.155 | 177170 | 42110 | 89 | 222 | 473 | 0.79(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 24:56 | 24:57 | 1 | 1.225 | 168490 | 39220 | 71 | 177 | 552 | | |
| 291.9194 | 24:56 | 24:57 | 1 | 1.225 | 212667 | 50743 | 89 | 222 | 570 | 0.79(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:06 | 25:06 | 1 | 1.232 | 369152 | 52840 | 71 | 177 | 744 | | M |
| 291.9194 | 25:06 | 25:06 | 1 | 1.232 | 462580 | 64345 | 89 | 222 | 723 | 0.80(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:06 | 25:06 | 1 | 1.232 | 369152 | 52840 | 71 | 177 | 744 | | M |
| 291.9194 | 25:06 | 25:06 | 1 | 1.232 | 462580 | 64345 | 89 | 222 | 723 | 0.80(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 2 | 1.248 | 411847 | 64170 | 71 | 177 | 904 | | |
| 291.9194 | 25:25 | 25:24 | 2 | 1.248 | 515279 | 80853 | 89 | 222 | 908 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:25 | 25:24 | 2 | 1.248 | 411847 | 64170 | 71 | 177 | 904 | | |
| 291.9194 | 25:25 | 25:24 | 2 | 1.248 | 515279 | 80853 | 89 | 222 | 908 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:43 | 25:43 | 1 | 1.263 | 179264 | 41623 | 71 | 177 | 586 | | |
| 291.9194 | 25:43 | 25:43 | 1 | 1.263 | 225633 | 52704 | 89 | 222 | 592 | 0.79(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:58 | 1 | 1.275 | 564424 | 98364 | 71 | 177 | 1385 | | |
| 291.9194 | 25:58 | 25:58 | 1 | 1.275 | 697528 | 122557 | 89 | 222 | 1377 | 0.81(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:58 | 1 | 1.275 | 564424 | 98364 | 71 | 177 | 1385 | | |
| 291.9194 | 25:58 | 25:58 | 1 | 1.275 | 697528 | 122557 | 89 | 222 | 1377 | 0.81(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:58 | 25:58 | 1 | 1.275 | 564424 | 98364 | 71 | 177 | 1385 | | |
| 291.9194 | 25:58 | 25:58 | 1 | 1.275 | 697528 | 122557 | 89 | 222 | 1377 | 0.81(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:15 | 1 | 1.289 | 722639 | 110066 | 71 | 177 | 1550 | | |
| 291.9194 | 26:15 | 26:15 | 1 | 1.289 | 910485 | 140590 | 89 | 222 | 1580 | 0.79(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:15 | 1 | 1.289 | 722639 | 110066 | 71 | 177 | 1550 | | |
| 291.9194 | 26:15 | 26:15 | 1 | 1.289 | 910485 | 140590 | 89 | 222 | 1580 | 0.79(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:15 | 26:15 | 1 | 1.289 | 722639 | 110066 | 71 | 177 | 1550 | | |
| 291.9194 | 26:15 | 26:15 | 1 | 1.289 | 910485 | 140590 | 89 | 222 | 1580 | 0.79(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:28 | 26:28 | 1 | 1.300 | 164362 | 37416 | 71 | 177 | 527 | | |
| 291.9194 | 26:28 | 26:28 | 1 | 1.300 | 206154 | 47465 | 89 | 222 | 533 | 0.80(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 26:57 | 26:58 | 0 | 1.324 | 524786 | 78828 | 71 | 177 | 1110 | | |
| 291.9194 | 26:57 | 26:58 | 0 | 1.324 | 657403 | 99630 | 89 | 222 | 1119 | 0.80(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:57 | 26:58 | 0 | 1.324 | 524786 | 78828 | 71 | 177 | 1110 | | |
| 291.9194 | 26:57 | 26:58 | 0 | 1.324 | 657403 | 99630 | 89 | 222 | 1119 | 0.80(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 26:57 | 26:58 | 0 | 1.324 | 524786 | 78828 | 71 | 177 | 1110 | | |
| 291.9194 | 26:57 | 26:58 | 0 | 1.324 | 657403 | 99630 | 89 | 222 | 1119 | 0.80(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:11 | 27:11 | 1 | 1.335 | 267824 | 59896 | 71 | 177 | 844 | | |
| 291.9194 | 27:11 | 27:11 | 1 | 1.335 | 334247 | 74942 | 89 | 222 | 842 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:01 | 28:01 | 1 | 0.828 | 251623 | 55630 | 71 | 177 | 784 | | |
| 291.9194 | 28:01 | 28:01 | 1 | 0.828 | 306276 | 68443 | 89 | 222 | 769 | 0.82(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:18 | 28:18 | 1 | 0.836 | 271964 | 57468 | 71 | 177 | 809 | | |
| 291.9194 | 28:18 | 28:18 | 1 | 0.836 | 324348 | 71619 | 89 | 222 | 805 | 0.84(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:43 | 28:43 | 1 | 0.849 | 236488 | 52624 | 71 | 177 | 741 | | |
| 291.9194 | 28:43 | 28:43 | 1 | 0.849 | 295281 | 65881 | 89 | 222 | 740 | 0.80(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:58 | 28:58 | 1 | 0.856 | 246883 | 53274 | 71 | 177 | 750 | | |
| 291.9194 | 28:58 | 28:58 | 1 | 0.856 | 306986 | 66567 | 89 | 222 | 748 | 0.80(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:08 | 29:08 | 1 | 0.861 | 257296 | 53803 | 71 | 177 | 758 | | |
| 291.9194 | 29:08 | 29:08 | 1 | 0.861 | 317422 | 67084 | 89 | 222 | 754 | 0.81(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:24 | 29:24 | 1 | 0.869 | 268985 | 56487 | 71 | 177 | 796 | | |
| 291.9194 | 29:24 | 29:24 | 1 | 0.869 | 332583 | 70536 | 89 | 222 | 793 | 0.81(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:43 | 1 | 0.878 | 977283 | 108993 | 71 | 177 | 1535 | | |
| 291.9194 | 29:44 | 29:43 | 1 | 0.878 | 1211249 | 134538 | 89 | 222 | 1512 | 0.81(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:43 | 1 | 0.878 | 977283 | 108993 | 71 | 177 | 1535 | | |
| 291.9194 | 29:44 | 29:43 | 1 | 0.878 | 1211249 | 134538 | 89 | 222 | 1512 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:43 | 1 | 0.878 | 977283 | 108993 | 71 | 177 | 1535 | | |
| 291.9194 | 29:44 | 29:43 | 1 | 0.878 | 1211249 | 134538 | 89 | 222 | 1512 | 0.81(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:44 | 29:43 | 1 | 0.878 | 977283 | 108993 | 71 | 177 | 1535 | | |
| 291.9194 | 29:44 | 29:43 | 1 | 0.878 | 1211249 | 134538 | 89 | 222 | 1512 | 0.81(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:03 | 30:03 | 0 | 0.888 | 236764 | 50355 | 71 | 177 | 709 | | |
| 291.9194 | 30:03 | 30:03 | 0 | 0.888 | 301259 | 63015 | 89 | 222 | 708 | 0.79(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:13 | 30:12 | 1 | 0.893 | 241718 | 52529 | 71 | 177 | 740 | | |
| 291.9194 | 30:13 | 30:12 | 1 | 0.893 | 300627 | 64373 | 89 | 222 | 723 | 0.80(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:43 | 30:43 | 1 | 0.908 | 237769 | 50584 | 71 | 177 | 712 | | |
| 291.9194 | 30:42 | 30:43 | 0 | 0.907 | 295864 | 63029 | 89 | 222 | 708 | 0.80(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:55 | 30:56 | 0 | 0.914 | 245482 | 51787 | 71 | 177 | 729 | | |
| 291.9194 | 30:55 | 30:56 | 0 | 0.914 | 308537 | 66066 | 89 | 222 | 742 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:21 | 31:21 | 0 | 0.926 | 280738 | 60085 | 71 | 177 | 846 | | |
| 291.9194 | 31:21 | 31:21 | 0 | 0.926 | 340495 | 75287 | 89 | 222 | 846 | 0.82(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:51 | 32:52 | 0 | 0.971 | 289197 | 57980 | 71 | 177 | 817 | | |
| 291.9194 | 32:51 | 32:52 | 0 | 0.971 | 362163 | 73221 | 89 | 222 | 823 | 0.80(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:25 | 33:26 | 0 | 0.988 | 244094 | 50570 | 71 | 177 | 712 | | |
| 291.9194 | 33:25 | 33:26 | 0 | 0.988 | 311131 | 65102 | 89 | 222 | 731 | 0.78(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:52 | 33:52 | 1 | 1.001 | 261004 | 53595 | 71 | 177 | 755 | | |
| 291.9194 | 33:51 | 33:52 | 0 | 1.000 | 327948 | 66694 | 89 | 222 | 749 | 0.80(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:25 | 34:25 | 1 | 1.001 | 265229 | 54019 | 71 | 177 | 761 | | |
| 291.9194 | 34:25 | 34:25 | 0 | 1.000 | 338955 | 68410 | 89 | 222 | 769 | 0.78(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:52 | 25:52 | 1 | 0.814 | 315350 | 73223 | 31 | 77 | 2362 | | |
| 339.9178 | 25:52 | 25:52 | 1 | 0.814 | 199021 | 45753 | 27 | 67 | 1695 | 1.58(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:47 | 31:46 | 1 | | 349459 | 77235 | 31 | 77 | 2491 | | |
| 339.9178 | 31:47 | 31:46 | 1 | | 218740 | 46708 | 27 | 67 | 1730 | 1.60(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:28 | 34:28 | 1 | 1.085 | 396250 | 84624 | 31 | 77 | 2730 | | |
| 339.9178 | 34:28 | 34:28 | 1 | 1.085 | 248246 | 51678 | 27 | 67 | 1914 | 1.60(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:25 | 36:26 | 0 | 1.146 | 587795 | 123527 | 315 | 787 | 392 | | |
| 339.9178 | 36:25 | 36:26 | 0 | 1.146 | 375878 | 76438 | 206 | 515 | 371 | 1.56(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:44 | 36:45 | 0 | 1.156 | 631552 | 131380 | 315 | 787 | 417 | | |
| 339.9178 | 36:44 | 36:45 | 0 | 1.156 | 401918 | 82027 | 206 | 515 | 398 | 1.57(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:16 | 37:17 | 0 | 1.173 | 603662 | 123940 | 315 | 787 | 393 | | |
| 339.9178 | 37:16 | 37:17 | 0 | 1.173 | 372332 | 76824 | 206 | 515 | 373 | 1.62(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:54 | 37:55 | 0 | 1.193 | 603075 | 120840 | 315 | 787 | 384 | | |
| 339.9178 | 37:55 | 37:55 | 1 | 1.193 | 375709 | 74898 | 206 | 515 | 364 | 1.61(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:24 | 39:23 | 1 | | 711744 | 143851 | 315 | 787 | 457 | | |
| 339.9178 | 39:24 | 39:23 | 1 | | 438008 | 88858 | 206 | 515 | 431 | 1.62(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:00 | 41:01 | 1 | 1.290 | 597649 | 117032 | 315 | 787 | 372 | | |
| 339.9178 | 40:59 | 41:01 | 0 | 1.290 | 371874 | 71925 | 206 | 515 | 349 | 1.61(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:54 | 25:54 | 1 | 1.001 | 220819 | 50492 | 27 | 67 | 1870 | | |
| 327.8775 | 25:54 | 25:54 | 1 | 1.001 | 137086 | 31336 | 27 | 67 | 1161 | 1.61(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:15 | 26:15 | 1 | 1.015 | 199225 | 44287 | 27 | 67 | 1640 | | |
| 327.8775 | 26:15 | 26:15 | 1 | 1.015 | 123567 | 27918 | 27 | 67 | 1034 | 1.61(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:12 | 28:12 | 1 | 1.090 | 166985 | 37462 | 27 | 67 | 1387 | | |
| 327.8775 | 28:12 | 28:12 | 1 | 1.090 | 105031 | 23741 | 27 | 67 | 879 | 1.59(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:25 | 28:25 | 1 | 1.098 | 151724 | 33144 | 27 | 67 | 1228 | | |
| 327.8775 | 28:25 | 28:25 | 1 | 1.098 | 93278 | 20656 | 27 | 67 | 765 | 1.63(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:51 | 28:52 | 0 | 1.115 | 161725 | 34706 | 27 | 67 | 1285 | | |
| 327.8775 | 28:51 | 28:52 | 0 | 1.115 | 101022 | 22520 | 27 | 67 | 834 | 1.60(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:06 | 0 | 1.124 | 311005 | 66549 | 27 | 67 | 2465 | | |
| 327.8775 | 29:05 | 29:06 | 0 | 1.124 | 191784 | 40318 | 27 | 67 | 1493 | 1.62(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:05 | 29:06 | 0 | 1.124 | 311005 | 66549 | 27 | 67 | 2465 | | |
| 327.8775 | 29:05 | 29:06 | 0 | 1.124 | 191784 | 40318 | 27 | 67 | 1493 | 1.62(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:14 | 29:14 | 1 | 1.130 | 323045 | 39216 | 27 | 67 | 1452 | | M |
| 327.8775 | 29:14 | 29:14 | 1 | 1.130 | 203210 | 24505 | 27 | 67 | 908 | 1.59(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:14 | 29:14 | 1 | 1.130 | 323045 | 39216 | 27 | 67 | 1452 | | M |
| 327.8775 | 29:14 | 29:14 | 1 | 1.130 | 203210 | 24505 | 27 | 67 | 908 | 1.59(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | Ma |
| 325.8804 | 29:43 | 29:43 | 0 | 1.149 | 322606 | 37606 | 27 | 67 | 1393 | | M |
| 327.8775 | 29:43 | 29:43 | 0 | 1.149 | 201642 | 23420 | 27 | 67 | 867 | 1.60(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | Ma |
| 325.8804 | 29:43 | 29:43 | 0 | 1.149 | 322606 | 37606 | 27 | 67 | 1393 | | M |
| 327.8775 | 29:43 | 29:43 | 0 | 1.149 | 201642 | 23420 | 27 | 67 | 867 | 1.60(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:56 | 29:57 | 0 | 1.157 | 141621 | 29473 | 27 | 67 | 1092 | | |
| 327.8775 | 29:56 | 29:57 | 0 | 1.157 | 89355 | 18517 | 27 | 67 | 686 | 1.58(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:25 | 30:26 | 0 | 1.176 | 152968 | 32939 | 27 | 67 | 1220 | | |
| 327.8775 | 30:25 | 30:26 | 0 | 1.176 | 95478 | 20168 | 27 | 67 | 747 | 1.60(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | M |
| 325.8804 | 30:51 | 30:51 | 1 | 1.192 | 224577 | 47923 | 27 | 67 | 1775 | | M |
| 327.8775 | 30:51 | 30:51 | 1 | 1.192 | 139574 | 29478 | 27 | 67 | 1092 | 1.61(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | M |
| 325.8804 | 31:13 | 31:12 | 1 | 0.857 | 161641 | 34178 | 27 | 67 | 1266 | | M |
| 327.8775 | 31:13 | 31:12 | 1 | 0.857 | 103241 | 21529 | 27 | 67 | 797 | 1.57(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:48 | 0 | 1.228 | 574767 | 82870 | 27 | 67 | 3069 | | |
| 327.8775 | 31:47 | 31:48 | 1 | 1.229 | 360921 | 51682 | 27 | 67 | 1914 | 1.59(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:48 | 0 | 1.228 | 574767 | 82870 | 27 | 67 | 3069 | | |
| 327.8775 | 31:47 | 31:48 | 1 | 1.229 | 360921 | 51682 | 27 | 67 | 1914 | 1.59(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:47 | 31:48 | 0 | 1.228 | 574767 | 82870 | 27 | 67 | 3069 | | |
| 327.8775 | 31:47 | 31:48 | 1 | 1.229 | 360921 | 51682 | 27 | 67 | 1914 | 1.59(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:22 | 32:24 | 0 | 1.251 | 321052 | 38379 | 27 | 67 | 1421 | | |
| 327.8775 | 32:22 | 32:24 | 0 | 1.251 | 199516 | 24528 | 27 | 67 | 908 | 1.61(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:22 | 32:24 | 0 | 1.251 | 321052 | 38379 | 27 | 67 | 1421 | | |
| 327.8775 | 32:22 | 32:24 | 0 | 1.251 | 199516 | 24528 | 27 | 67 | 908 | 1.61(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:29 | 32:30 | 0 | 1.256 | 240673 | 48076 | 27 | 67 | 1781 | | |
| 327.8775 | 32:29 | 32:30 | 0 | 1.256 | 148824 | 30054 | 27 | 67 | 1113 | 1.62(1.32-1.78) | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:52 | 32:53 | 1 | 1.271 | 1193997 | 136419 | 27 | 67 | 5053 | | M |
| 327.8775 | 32:52 | 32:53 | 1 | 1.271 | 745007 | 84654 | 27 | 67 | 3135 | 1.60(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:52 | 32:53 | 1 | 1.271 | 1193997 | 136419 | 27 | 67 | 5053 | | M |
| 327.8775 | 32:52 | 32:53 | 1 | 1.271 | 745007 | 84654 | 27 | 67 | 3135 | 1.60(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:52 | 32:53 | 1 | 1.271 | 1193997 | 136419 | 27 | 67 | 5053 | | M |
| 327.8775 | 32:52 | 32:53 | 1 | 1.271 | 745007 | 84654 | 27 | 67 | 3135 | 1.60(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:52 | 32:53 | 1 | 1.271 | 1193997 | 136419 | 27 | 67 | 5053 | | M |
| 327.8775 | 32:52 | 32:53 | 1 | 1.271 | 745007 | 84654 | 27 | 67 | 3135 | 1.60(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:52 | 32:53 | 1 | 1.271 | 1193997 | 136419 | 27 | 67 | 5053 | | M |
| 327.8775 | 32:52 | 32:53 | 1 | 1.271 | 745007 | 84654 | 27 | 67 | 3135 | 1.60(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:52 | 32:53 | 1 | 1.271 | 1193997 | 136419 | 27 | 67 | 5053 | | M |
| 327.8775 | 32:52 | 32:53 | 1 | 1.271 | 745007 | 84654 | 27 | 67 | 3135 | 1.60(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:37 | 0 | 1.299 | 634998 | 85088 | 27 | 67 | 3151 | | |
| 327.8775 | 33:36 | 33:37 | 0 | 1.299 | 401092 | 53108 | 27 | 67 | 1967 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:37 | 0 | 1.299 | 634998 | 85088 | 27 | 67 | 3151 | | |
| 327.8775 | 33:36 | 33:37 | 0 | 1.299 | 401092 | 53108 | 27 | 67 | 1967 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:36 | 33:37 | 0 | 1.299 | 634998 | 85088 | 27 | 67 | 3151 | | |
| 327.8775 | 33:36 | 33:37 | 0 | 1.299 | 401092 | 53108 | 27 | 67 | 1967 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:51 | 0 | 1.308 | 477512 | 53100 | 27 | 67 | 1967 | | |
| 327.8775 | 33:50 | 33:51 | 0 | 1.308 | 298800 | 33710 | 27 | 67 | 1249 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:50 | 33:51 | 0 | 1.308 | 477512 | 53100 | 27 | 67 | 1967 | | |
| 327.8775 | 33:50 | 33:51 | 0 | 1.308 | 298800 | 33710 | 27 | 67 | 1249 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:05 | 34:06 | 0 | 1.317 | 154422 | 30608 | 27 | 67 | 1134 | | |
| 327.8775 | 34:05 | 34:06 | 0 | 1.317 | 94718 | 18971 | 27 | 67 | 703 | 1.63(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:29 | 34:30 | 1 | 1.333 | 251469 | 51227 | 27 | 67 | 1897 | | |
| 327.8775 | 34:29 | 34:30 | 1 | 1.333 | 153835 | 31947 | 27 | 67 | 1183 | 1.63(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:57 | 34:57 | 1 | 1.351 | 256153 | 53003 | 27 | 67 | 1963 | | |
| 327.8775 | 34:57 | 34:57 | 1 | 1.351 | 161042 | 33092 | 27 | 67 | 1226 | 1.59(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:06 | 0 | 1.394 | 667303 | 135737 | 394 | 985 | 345 | | |
| 327.8775 | 36:04 | 36:06 | 0 | 1.394 | 423654 | 84426 | 101 | 252 | 836 | 1.58(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:04 | 36:06 | 0 | 1.394 | 667303 | 135737 | 394 | 985 | 345 | | |
| 327.8775 | 36:04 | 36:06 | 0 | 1.394 | 423654 | 84426 | 101 | 252 | 836 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:19 | 36:20 | 1 | 1.404 | 364758 | 72059 | 394 | 985 | 183 | | |
| 327.8775 | 36:19 | 36:20 | 1 | 1.404 | 233073 | 46254 | 101 | 252 | 458 | 1.56(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:26 | 36:25 | 1 | 1.001 | 361492 | 73927 | 394 | 985 | 188 | | |
| 327.8775 | 36:26 | 36:25 | 1 | 1.001 | 233284 | 47815 | 101 | 252 | 473 | 1.55(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:33 | 36:33 | 1 | 1.004 | 344455 | 68051 | 394 | 985 | 173 | | |
| 327.8775 | 36:33 | 36:33 | 1 | 1.004 | 216197 | 43761 | 101 | 252 | 433 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:46 | 36:45 | 1 | 1.001 | 369189 | 71691 | 394 | 985 | 182 | | |
| 327.8775 | 36:46 | 36:45 | 1 | 1.001 | 233669 | 45757 | 101 | 252 | 453 | 1.58(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:06 | 37:06 | 0 | 1.010 | 314635 | 64579 | 394 | 985 | 164 | | |
| 327.8775 | 37:06 | 37:06 | 0 | 1.010 | 203791 | 41773 | 101 | 252 | 414 | 1.54(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:17 | 37:16 | 1 | 1.001 | 371973 | 74472 | 394 | 985 | 189 | | |
| 327.8775 | 37:17 | 37:16 | 1 | 1.001 | 235943 | 46158 | 101 | 252 | 457 | 1.58(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:56 | 37:56 | 0 | 1.001 | 357560 | 68240 | 394 | 985 | 173 | | |
| 327.8775 | 37:56 | 37:56 | 0 | 1.001 | 220606 | 43268 | 101 | 252 | 428 | 1.62(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:25 | 39:24 | 1 | 1.040 | 356715 | 68288 | 394 | 985 | 173 | | |
| 327.8775 | 39:24 | 39:24 | 0 | 1.040 | 223207 | 42924 | 101 | 252 | 425 | 1.60(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:01 | 41:02 | 0 | 1.000 | 354506 | 65989 | 394 | 985 | 167 | | |
| 327.8775 | 41:01 | 41:02 | 0 | 1.000 | 222668 | 41731 | 101 | 252 | 413 | 1.59(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:34 | 31:33 | 1 | 0.792 | 273266 | 56835 | 18 | 45 | 3158 | | |
| 373.8788 | 31:34 | 31:33 | 1 | 0.792 | 212471 | 43627 | 13 | 32 | 3356 | 1.29(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:52 | 39:51 | 1 | | 453759 | 92115 | 118 | 295 | 781 | | |
| 373.8788 | 39:52 | 39:51 | 1 | | 347376 | 71560 | 86 | 215 | 832 | 1.31(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:52 | 42:53 | 0 | 1.075 | 503060 | 100387 | 118 | 295 | 851 | | |
| 373.8788 | 42:52 | 42:53 | 0 | 1.075 | 384998 | 77414 | 86 | 215 | 900 | 1.31(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:02 | 0 | 1.104 | 954394 | 134499 | 118 | 295 | 1140 | | |
| 373.8788 | 44:01 | 44:02 | 0 | 1.104 | 742157 | 104465 | 86 | 215 | 1215 | 1.29(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:01 | 44:02 | 0 | 1.104 | 954394 | 134499 | 118 | 295 | 1140 | | |
| 373.8788 | 44:01 | 44:02 | 0 | 1.104 | 742157 | 104465 | 86 | 215 | 1215 | 1.29(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:15 | 47:16 | 0 | 1.185 | 466417 | 88865 | 118 | 295 | 753 | | |
| 373.8788 | 47:15 | 47:16 | 0 | 1.185 | 367127 | 70702 | 86 | 215 | 822 | 1.27(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:35 | 31:35 | 1 | 1.001 | 162712 | 34218 | 9 | 22 | 3802 | | |
| 361.8385 | 31:35 | 31:35 | 1 | 1.001 | 128094 | 27084 | 7 | 17 | 3869 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:46 | 31:46 | 1 | 1.006 | 158507 | 34086 | 9 | 22 | 3787 | | |
| 361.8385 | 31:46 | 31:46 | 1 | 1.006 | 122203 | 25926 | 7 | 17 | 3704 | 1.30(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:56 | 31:56 | 0 | 1.012 | 162391 | 34062 | 9 | 22 | 3785 | | |
| 361.8385 | 31:56 | 31:56 | 0 | 1.012 | 125470 | 26516 | 7 | 17 | 3788 | 1.29(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:17 | 32:17 | 1 | 1.023 | 148096 | 31315 | 9 | 22 | 3479 | | |
| 361.8385 | 32:17 | 32:17 | 1 | 1.023 | 118458 | 24443 | 7 | 17 | 3492 | 1.25(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:35 | 32:35 | 1 | 1.033 | 153472 | 32161 | 9 | 22 | 3573 | | |
| 361.8385 | 32:35 | 32:35 | 1 | 1.033 | 119136 | 25377 | 7 | 17 | 3625 | 1.29(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:06 | 34:07 | 0 | 1.081 | 114127 | 23774 | 9 | 22 | 2642 | | |
| 361.8385 | 34:06 | 34:07 | 0 | 1.081 | 90820 | 19014 | 7 | 17 | 2716 | 1.26(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | M |
| 359.8415 | 34:41 | 34:42 | 1 | 1.099 | 234901 | 27753 | 9 | 22 | 3084 | | M |
| 361.8385 | 34:41 | 34:42 | 1 | 1.099 | 183340 | 21671 | 7 | 17 | 3096 | 1.28(1.05-1.43) | M |
| PCB-151 (C135) | | | | | | | | | | | M |
| 359.8415 | 34:41 | 34:42 | 1 | 1.099 | 234901 | 27753 | 9 | 22 | 3084 | | M |
| 361.8385 | 34:41 | 34:42 | 1 | 1.099 | 183340 | 21671 | 7 | 17 | 3096 | 1.28(1.05-1.43) | M |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:57 | 34:58 | 0 | 1.108 | 131105 | 27479 | 9 | 22 | 3053 | | |
| 361.8385 | 34:57 | 34:58 | 0 | 1.108 | 103642 | 21383 | 7 | 17 | 3055 | 1.26(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:16 | 35:16 | 1 | 1.117 | 120743 | 24786 | 9 | 22 | 2754 | | |
| 361.8385 | 35:15 | 35:16 | 0 | 1.117 | 95406 | 19215 | 7 | 17 | 2745 | 1.27(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:38 | 35:38 | 1 | 1.129 | 404352 | 83830 | 60 | 150 | 1397 | | |
| 361.8385 | 35:38 | 35:38 | 1 | 1.129 | 318672 | 66935 | 32 | 80 | 2092 | 1.27(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:38 | 35:38 | 1 | 1.129 | 404352 | 83830 | 60 | 150 | 1397 | | |
| 361.8385 | 35:38 | 35:38 | 1 | 1.129 | 318672 | 66935 | 32 | 80 | 2092 | 1.27(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:55 | 35:56 | 0 | 1.138 | 369267 | 41047 | 60 | 150 | 684 | | |
| 361.8385 | 35:55 | 35:56 | 0 | 1.138 | 289765 | 32442 | 32 | 80 | 1014 | 1.27(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:55 | 35:56 | 0 | 1.138 | 369267 | 41047 | 60 | 150 | 684 | | |
| 361.8385 | 35:55 | 35:56 | 0 | 1.138 | 289765 | 32442 | 32 | 80 | 1014 | 1.27(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:13 | 36:14 | 0 | 1.148 | 415762 | 76852 | 60 | 150 | 1281 | | |
| 361.8385 | 36:13 | 36:14 | 0 | 1.148 | 331156 | 62049 | 32 | 80 | 1939 | 1.26(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:13 | 36:14 | 0 | 1.148 | 415762 | 76852 | 60 | 150 | 1281 | | |
| 361.8385 | 36:13 | 36:14 | 0 | 1.148 | 331156 | 62049 | 32 | 80 | 1939 | 1.26(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:25 | 36:26 | 0 | 1.154 | 183604 | 36347 | 60 | 150 | 606 | | |
| 361.8385 | 36:25 | 36:26 | 1 | 1.154 | 143121 | 28953 | 32 | 80 | 905 | 1.28(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:34 | 36:35 | 0 | 1.159 | 185479 | 38197 | 60 | 150 | 637 | | |
| 361.8385 | 36:34 | 36:35 | 0 | 1.159 | 144734 | 29603 | 32 | 80 | 925 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:52 | 36:53 | 0 | 1.168 | 193210 | 38988 | 60 | 150 | 650 | | |
| 361.8385 | 36:52 | 36:53 | 0 | 1.168 | 150890 | 30450 | 32 | 80 | 952 | 1.28(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:24 | 37:24 | 1 | 1.185 | 189477 | 38084 | 60 | 150 | 635 | | |
| 361.8385 | 37:24 | 37:24 | 1 | 1.185 | 151928 | 30777 | 32 | 80 | 962 | 1.25(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:47 | 37:47 | 0 | 0.881 | 244736 | 50563 | 60 | 150 | 843 | | |
| 361.8385 | 37:47 | 37:47 | 0 | 0.881 | 192786 | 39530 | 32 | 80 | 1235 | 1.27(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:02 | 38:02 | 0 | 0.887 | 222317 | 45699 | 60 | 150 | 762 | | |
| 361.8385 | 38:02 | 38:02 | 0 | 0.887 | 175200 | 35891 | 32 | 80 | 1122 | 1.27(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:10 | 38:10 | 0 | 0.890 | 273389 | 55812 | 60 | 150 | 930 | | |
| 361.8385 | 38:10 | 38:10 | 0 | 0.890 | 216190 | 44290 | 32 | 80 | 1384 | 1.26(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:40 | 1 | 0.902 | 524504 | 78720 | 60 | 150 | 1312 | | |
| 361.8385 | 38:40 | 38:40 | 0 | 0.902 | 407245 | 60492 | 32 | 80 | 1890 | 1.29(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:41 | 38:40 | 1 | 0.902 | 524504 | 78720 | 60 | 150 | 1312 | | |
| 361.8385 | 38:40 | 38:40 | 0 | 0.902 | 407245 | 60492 | 32 | 80 | 1890 | 1.29(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:50 | 38:50 | 0 | 0.906 | 210992 | 40994 | 60 | 150 | 683 | | |
| 361.8385 | 38:50 | 38:50 | 0 | 0.906 | 164989 | 32355 | 32 | 80 | 1011 | 1.28(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:15 | 39:14 | 1 | 0.915 | 179033 | 36230 | 60 | 150 | 604 | | |
| 361.8385 | 39:15 | 39:14 | 1 | 0.915 | 143445 | 28655 | 32 | 80 | 895 | 1.25(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:28 | 39:27 | 1 | 0.921 | 223448 | 45491 | 60 | 150 | 758 | | |
| 361.8385 | 39:28 | 39:27 | 1 | 0.921 | 179977 | 36125 | 32 | 80 | 1129 | 1.24(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:35 | 39:35 | 1 | 0.923 | 271573 | 55450 | 60 | 150 | 924 | | |
| 361.8385 | 39:35 | 39:35 | 1 | 0.923 | 214662 | 43824 | 32 | 80 | 1370 | 1.27(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 928943 | 104915 | 60 | 150 | 1749 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 734680 | 83238 | 32 | 80 | 2601 | 1.26(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 928943 | 104915 | 60 | 150 | 1749 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 734680 | 83238 | 32 | 80 | 2601 | 1.26(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 928943 | 104915 | 60 | 150 | 1749 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 734680 | 83238 | 32 | 80 | 2601 | 1.26(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:54 | 39:54 | 0 | 0.931 | 928943 | 104915 | 60 | 150 | 1749 | | M |
| 361.8385 | 39:54 | 39:54 | 0 | 0.931 | 734680 | 83238 | 32 | 80 | 2601 | 1.26(1.05-1.43) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:17 | 40:17 | 0 | 0.940 | 297901 | 58041 | 60 | 150 | 967 | | |
| 361.8385 | 40:17 | 40:17 | 0 | 0.940 | 236896 | 45737 | 32 | 80 | 1429 | 1.26(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:07 | 0 | 0.959 | 478947 | 82275 | 60 | 150 | 1371 | | |
| 361.8385 | 41:07 | 41:07 | 0 | 0.959 | 383021 | 66259 | 32 | 80 | 2071 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:07 | 41:07 | 0 | 0.959 | 478947 | 82275 | 60 | 150 | 1371 | | |
| 361.8385 | 41:07 | 41:07 | 0 | 0.959 | 383021 | 66259 | 32 | 80 | 2071 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:08 | 42:08 | 0 | 0.983 | 283062 | 55720 | 60 | 150 | 929 | | |
| 361.8385 | 42:08 | 42:08 | 0 | 0.983 | 223664 | 44060 | 32 | 80 | 1377 | 1.27(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:26 | 42:25 | 1 | 0.990 | 296704 | 56001 | 60 | 150 | 933 | | |
| 361.8385 | 42:25 | 42:25 | 0 | 0.989 | 238603 | 45146 | 32 | 80 | 1411 | 1.24(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:54 | 42:54 | 0 | 1.001 | 304628 | 59595 | 60 | 150 | 993 | | |
| 361.8385 | 42:54 | 42:54 | 0 | 1.001 | 242269 | 48272 | 32 | 80 | 1509 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:02 | 44:02 | 0 | 1.000 | 560112 | 79235 | 60 | 150 | 1321 | | |
| 361.8385 | 44:03 | 44:02 | 1 | 1.001 | 444714 | 62697 | 32 | 80 | 1959 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:02 | 44:02 | 0 | 1.000 | 560112 | 79235 | 60 | 150 | 1321 | | |
| 361.8385 | 44:03 | 44:02 | 1 | 1.001 | 444714 | 62697 | 32 | 80 | 1959 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:17 | 47:17 | 0 | 1.001 | 274892 | 52211 | 60 | 150 | 870 | | |
| 361.8385 | 47:17 | 47:17 | 0 | 1.001 | 216561 | 41510 | 32 | 80 | 1297 | 1.27(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:16 | 37:16 | 0 | 0.821 | 334868 | 69927 | 36 | 90 | 1942 | | |
| 407.8398 | 37:16 | 37:16 | 0 | 0.821 | 314608 | 63772 | 21 | 52 | 3037 | 1.06(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:19 | 40:19 | 0 | 0.888 | 268020 | 53116 | 36 | 90 | 1475 | | |
| 407.8398 | 40:20 | 40:19 | 1 | 0.888 | 240360 | 47084 | 21 | 52 | 2242 | 1.12(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:25 | 45:26 | 0 | | 308111 | 61276 | 36 | 90 | 1702 | | |
| 407.8398 | 45:25 | 45:26 | 0 | | 284012 | 55821 | 21 | 52 | 2658 | 1.08(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:41 | 46:41 | 0 | 1.028 | 212391 | 41794 | 36 | 90 | 1161 | | |
| 407.8398 | 46:41 | 46:41 | 0 | 1.028 | 200656 | 38169 | 21 | 52 | 1818 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:48 | 49:48 | 0 | 1.096 | 537527 | 103060 | 912 | 2280 | 113 | | |
| 407.8398 | 49:48 | 49:48 | 0 | 1.096 | 509826 | 99205 | 359 | 897 | 276 | 1.05(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:18 | 37:18 | 0 | 1.001 | 200209 | 40791 | 12 | 30 | 3399 | | |
| 395.7995 | 37:18 | 37:18 | 0 | 1.001 | 188058 | 39146 | 10 | 25 | 3915 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:38 | 37:38 | 0 | 1.009 | 193836 | 39288 | 12 | 30 | 3274 | | |
| 395.7995 | 37:38 | 37:38 | 0 | 1.009 | 181794 | 36591 | 10 | 25 | 3659 | 1.07(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:10 | 38:10 | 0 | 1.024 | 187511 | 37541 | 12 | 30 | 3128 | | |
| 395.7995 | 38:10 | 38:10 | 0 | 1.024 | 175225 | 35742 | 10 | 25 | 3574 | 1.07(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:31 | 38:30 | 1 | 1.033 | 214072 | 43212 | 12 | 30 | 3601 | | |
| 395.7995 | 38:31 | 38:30 | 1 | 1.033 | 200686 | 40135 | 10 | 25 | 4014 | 1.07(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:59 | 38:58 | 1 | 1.046 | 200812 | 39369 | 12 | 30 | 3281 | | |
| 395.7995 | 38:58 | 38:58 | 0 | 1.045 | 187948 | 37380 | 10 | 25 | 3738 | 1.07(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:22 | 40:21 | 1 | 1.083 | 145825 | 28975 | 12 | 30 | 2415 | | |
| 395.7995 | 40:21 | 40:21 | 0 | 1.082 | 136685 | 27310 | 10 | 25 | 2731 | 1.07(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:59 | 40:59 | 0 | 1.100 | 149470 | 29635 | 12 | 30 | 2470 | | |
| 395.7995 | 40:59 | 40:59 | 0 | 1.100 | 141625 | 28114 | 10 | 25 | 2811 | 1.06(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:16 | 41:15 | 1 | 1.107 | 159778 | 31558 | 12 | 30 | 2630 | | |
| 395.7995 | 41:16 | 41:15 | 1 | 1.107 | 150203 | 29837 | 10 | 25 | 2984 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:28 | 41:28 | 1 | 1.113 | 165516 | 32461 | 12 | 30 | 2705 | | |
| 395.7995 | 41:28 | 41:28 | 0 | 1.112 | 154796 | 30090 | 10 | 25 | 3009 | 1.07(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:53 | 41:52 | 1 | 1.124 | 323611 | 34041 | 12 | 30 | 2837 | | M |
| 395.7995 | 41:53 | 41:52 | 1 | 1.124 | 299877 | 31223 | 10 | 25 | 3122 | 1.08(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:53 | 41:52 | 1 | 1.124 | 323611 | 34041 | 12 | 30 | 2837 | | M |
| 395.7995 | 41:53 | 41:52 | 1 | 1.124 | 299877 | 31223 | 10 | 25 | 3122 | 1.08(0.89-1.21) | M |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:06 | 42:06 | 0 | 1.129 | 138977 | 27712 | 12 | 30 | 2309 | | |
| 395.7995 | 42:06 | 42:06 | 0 | 1.129 | 131395 | 26717 | 10 | 25 | 2672 | 1.06(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:33 | 42:33 | 0 | 1.141 | 139990 | 26815 | 12 | 30 | 2235 | | |
| 395.7995 | 42:33 | 42:33 | 0 | 1.141 | 132147 | 24998 | 10 | 25 | 2500 | 1.06(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:56 | 42:56 | 0 | 1.152 | 157872 | 30872 | 12 | 30 | 2573 | | |
| 395.7995 | 42:56 | 42:56 | 0 | 1.152 | 148265 | 29293 | 10 | 25 | 2929 | 1.06(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:10 | 0 | 1.158 | 287144 | 48355 | 12 | 30 | 4030 | | |
| 395.7995 | 43:10 | 43:10 | 0 | 1.158 | 269875 | 45588 | 10 | 25 | 4559 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:10 | 43:10 | 0 | 1.158 | 287144 | 48355 | 12 | 30 | 4030 | | |
| 395.7995 | 43:10 | 43:10 | 0 | 1.158 | 269875 | 45588 | 10 | 25 | 4559 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:48 | 44:48 | 0 | 0.900 | 138123 | 27190 | 12 | 30 | 2266 | | |
| 395.7995 | 44:48 | 44:48 | 0 | 0.900 | 130730 | 25506 | 10 | 25 | 2551 | 1.06(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:04 | 45:04 | 0 | 0.905 | 185310 | 36142 | 12 | 30 | 3012 | | |
| 395.7995 | 45:04 | 45:04 | 0 | 0.905 | 171832 | 33842 | 10 | 25 | 3384 | 1.08(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:24 | 0 | 0.912 | 353091 | 47199 | 12 | 30 | 3933 | | |
| 395.7995 | 45:25 | 45:24 | 0 | 0.912 | 331083 | 43884 | 10 | 25 | 4388 | 1.07(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:25 | 45:24 | 0 | 0.912 | 353091 | 47199 | 12 | 30 | 3933 | | |
| 395.7995 | 45:25 | 45:24 | 0 | 0.912 | 331083 | 43884 | 10 | 25 | 4388 | 1.07(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:48 | 45:48 | 0 | 0.920 | 200089 | 38458 | 12 | 30 | 3205 | | |
| 395.7995 | 45:48 | 45:48 | 0 | 0.920 | 188220 | 37113 | 10 | 25 | 3711 | 1.06(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:42 | 46:41 | 1 | 0.938 | 140715 | 27258 | 12 | 30 | 2272 | | |
| 395.7995 | 46:42 | 46:41 | 1 | 0.938 | 134041 | 25389 | 10 | 25 | 2539 | 1.05(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:14 | 47:14 | 0 | 0.948 | 195105 | 37814 | 12 | 30 | 3151 | | |
| 395.7995 | 47:14 | 47:14 | 0 | 0.948 | 183082 | 34630 | 10 | 25 | 3463 | 1.07(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:49 | 49:48 | 0 | 1.001 | 312748 | 59972 | 117 | 292 | 513 | | |
| 395.7995 | 49:49 | 49:48 | 0 | 1.001 | 297168 | 56697 | 74 | 185 | 766 | 1.05(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:39 | 42:39 | 0 | 0.822 | 259882 | 51587 | 16 | 40 | 3224 | | |
| 441.8008 | 42:39 | 42:39 | 0 | 0.822 | 288571 | 57352 | 24 | 60 | 2390 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:54 | 51:55 | 0 | | 377410 | 72842 | 133 | 332 | 548 | | |
| 441.8008 | 51:55 | 51:55 | 1 | | 411113 | 78613 | 192 | 480 | 409 | 0.92(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:23 | 52:23 | 0 | 1.009 | 398830 | 75721 | 133 | 332 | 569 | | |
| 441.8008 | 52:23 | 52:23 | 0 | 1.009 | 433732 | 83177 | 192 | 480 | 433 | 0.92(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:41 | 42:40 | 1 | 1.001 | 121466 | 23988 | 4 | 10 | 5997 | | |
| 429.7606 | 42:41 | 42:40 | 1 | 1.001 | 132001 | 25950 | 6 | 15 | 4325 | 0.92(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:35 | 43:35 | 0 | 1.022 | 130985 | 26025 | 4 | 10 | 6506 | | |
| 429.7606 | 43:36 | 43:35 | 1 | 1.022 | 143113 | 28318 | 6 | 15 | 4720 | 0.92(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:16 | 44:16 | 0 | 1.038 | 124164 | 24457 | 4 | 10 | 6114 | | |
| 429.7606 | 44:16 | 44:16 | 0 | 1.038 | 138069 | 27013 | 6 | 15 | 4502 | 0.90(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:30 | 44:30 | 1 | 1.044 | 128399 | 26112 | 4 | 10 | 6528 | | |
| 429.7606 | 44:30 | 44:30 | 0 | 1.043 | 141775 | 29178 | 6 | 15 | 4863 | 0.91(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:36 | 44:36 | 0 | 1.046 | 131941 | 25110 | 4 | 10 | 6278 | | |
| 429.7606 | 44:36 | 44:36 | 0 | 1.046 | 147293 | 27628 | 6 | 15 | 4605 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:23 | 0 | 1.111 | 185980 | 24233 | 4 | 10 | 6058 | | |
| 429.7606 | 47:23 | 47:23 | 0 | 1.111 | 204965 | 27300 | 6 | 15 | 4550 | 0.91(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:23 | 47:23 | 0 | 1.111 | 185980 | 24233 | 4 | 10 | 6058 | | |
| 429.7606 | 47:23 | 47:23 | 0 | 1.111 | 204965 | 27300 | 6 | 15 | 4550 | 0.91(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:04 | 48:04 | 0 | 0.918 | 96039 | 18717 | 4 | 10 | 4679 | | |
| 429.7606 | 48:04 | 48:04 | 0 | 0.918 | 105533 | 20290 | 6 | 15 | 3382 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:16 | 48:16 | 0 | 0.921 | 96557 | 18773 | 4 | 10 | 4693 | | |
| 429.7606 | 48:16 | 48:16 | 0 | 0.921 | 106838 | 20576 | 6 | 15 | 3429 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:35 | 49:35 | 0 | 0.947 | 162737 | 30370 | 151 | 377 | 201 | | |
| 429.7606 | 49:35 | 49:35 | 0 | 0.947 | 175283 | 33508 | 110 | 275 | 305 | 0.93(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:56 | 51:56 | 0 | 0.991 | 172663 | 33231 | 151 | 377 | 220 | | |
| 429.7606 | 51:56 | 51:56 | 0 | 0.991 | 192671 | 37702 | 110 | 275 | 343 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:24 | 52:24 | 0 | 1.000 | 221962 | 42907 | 151 | 377 | 284 | | |
| 429.7606 | 52:24 | 52:24 | 0 | 1.000 | 243086 | 46479 | 110 | 275 | 423 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:20 | 49:20 | 0 | 0.950 | 321275 | 62290 | 202 | 505 | 308 | | |
| 475.7619 | 49:20 | 49:20 | 0 | 0.950 | 404853 | 78251 | 265 | 662 | 295 | 0.79(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:09 | 54:09 | 0 | 1.043 | 224539 | 42055 | 202 | 505 | 208 | | |
| 475.7619 | 54:09 | 54:09 | 0 | 1.043 | 280836 | 52046 | 265 | 662 | 196 | 0.80(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:22 | 49:22 | 0 | 1.001 | 164713 | 32071 | 72 | 180 | 445 | | |
| 463.7216 | 49:22 | 49:22 | 0 | 1.001 | 209192 | 40545 | 138 | 345 | 294 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:18 | 50:18 | 0 | 1.019 | 173792 | 33764 | 72 | 180 | 469 | | |
| 463.7216 | 50:18 | 50:18 | 0 | 1.019 | 216632 | 42417 | 138 | 345 | 307 | 0.80(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:10 | 54:10 | 1 | 1.000 | 117320 | 21907 | 72 | 180 | 304 | | |
| 463.7216 | 54:10 | 54:10 | 1 | 1.000 | 146461 | 27731 | 138 | 345 | 201 | 0.80(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:47 | 55:47 | 0 | 1.075 | 197782 | 35363 | 21 | 52 | 1684 | | |
| 509.7229 | 55:47 | 55:47 | 0 | 1.075 | 274661 | 48808 | 22 | 55 | 2219 | 0.72(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:49 | 55:49 | 0 | 1.000 | 107860 | 19468 | 6 | 15 | 3245 | | |
| 497.6826 | 55:49 | 55:49 | 0 | 1.000 | 151407 | 27200 | 6 | 15 | 4533 | 0.71(0.59-0.79) | |

## QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Q - EMPC-Estimated Max. Possible Conc.

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville

| | | | |
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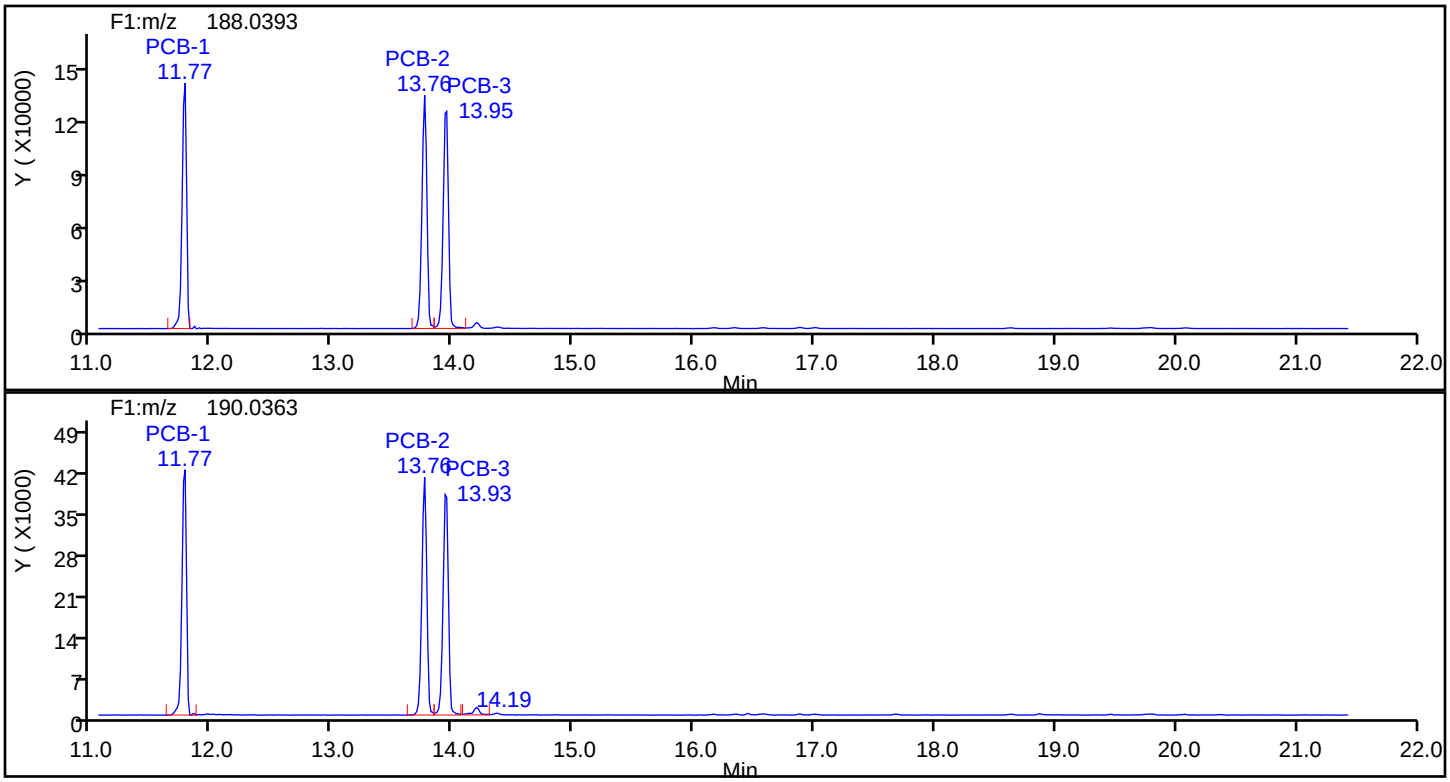
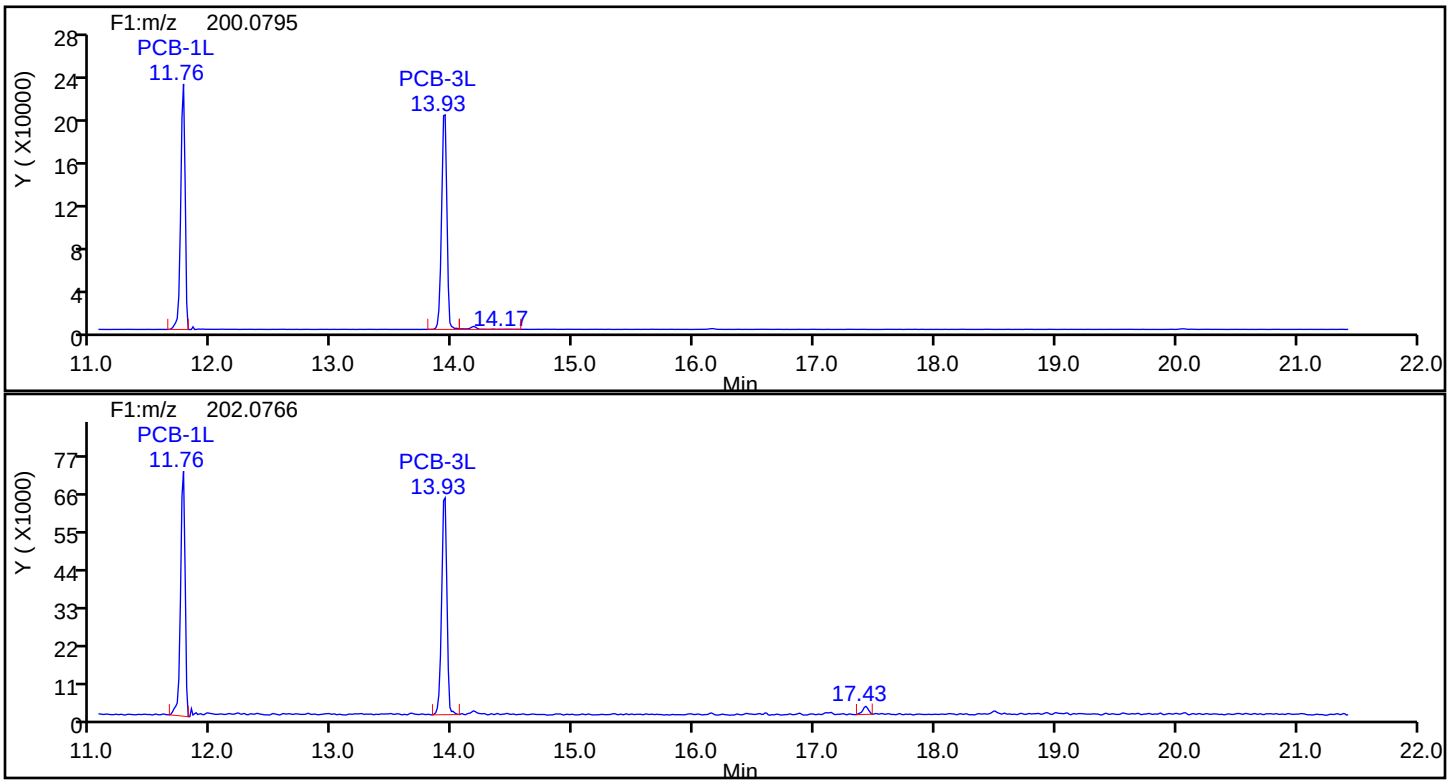
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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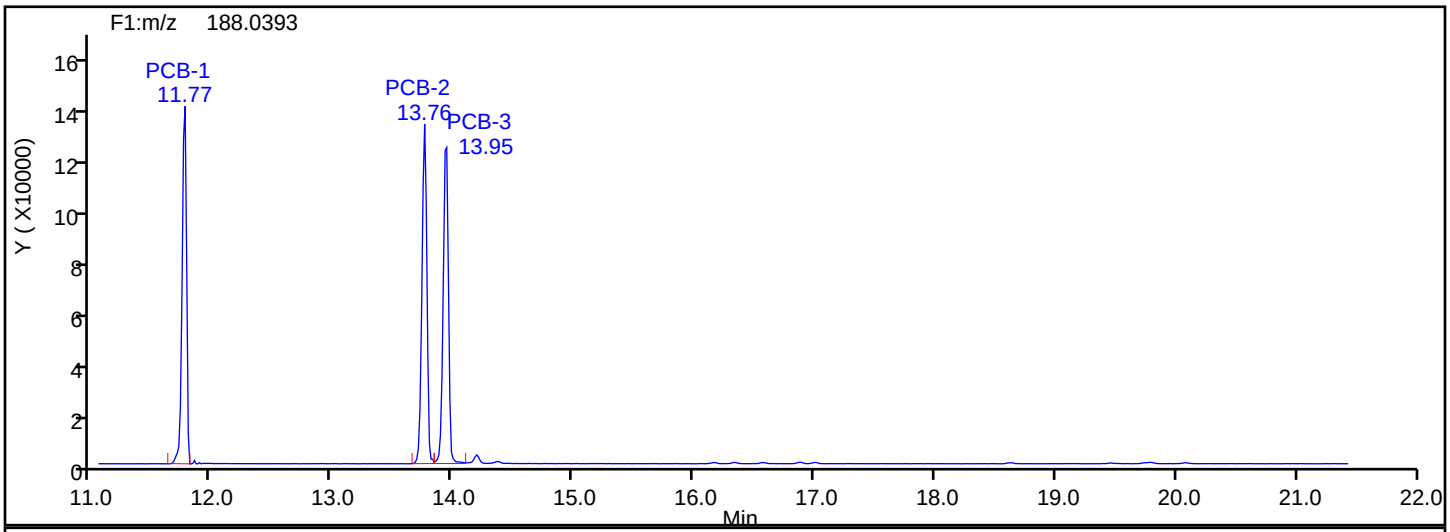
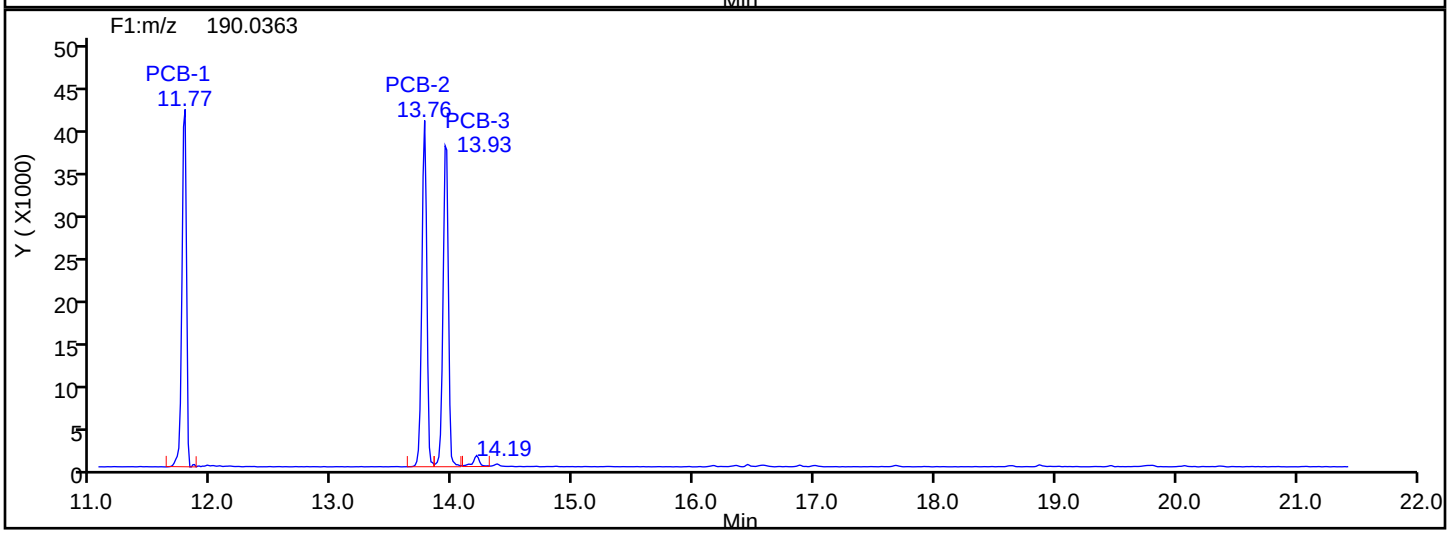
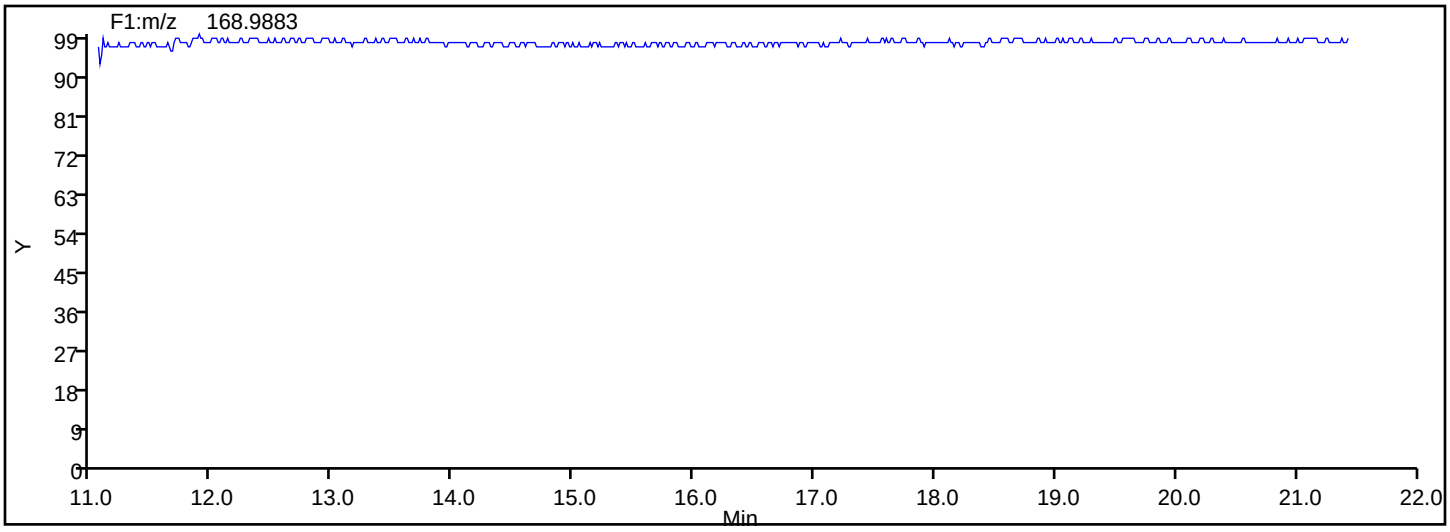
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Report Date: 24-Sep-2019 15:07:52 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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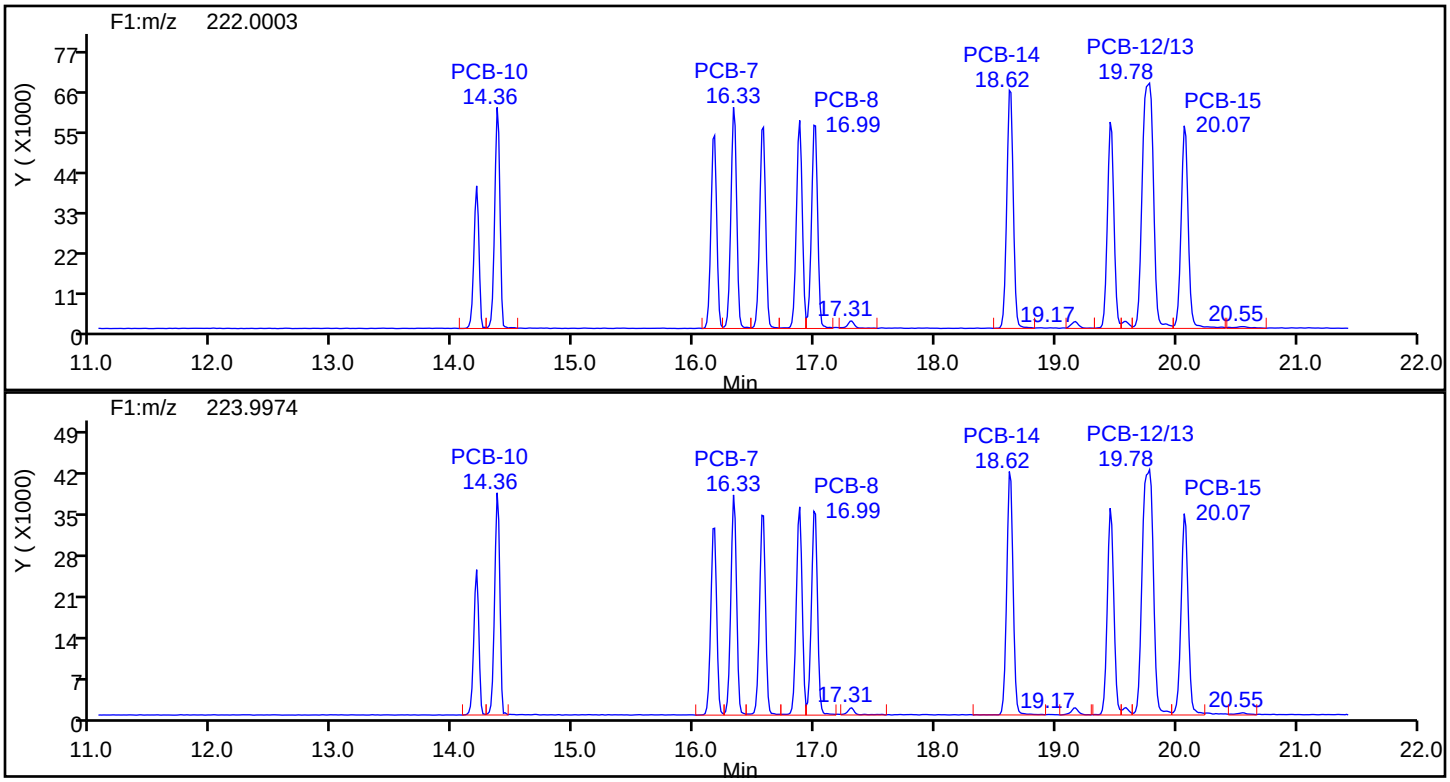
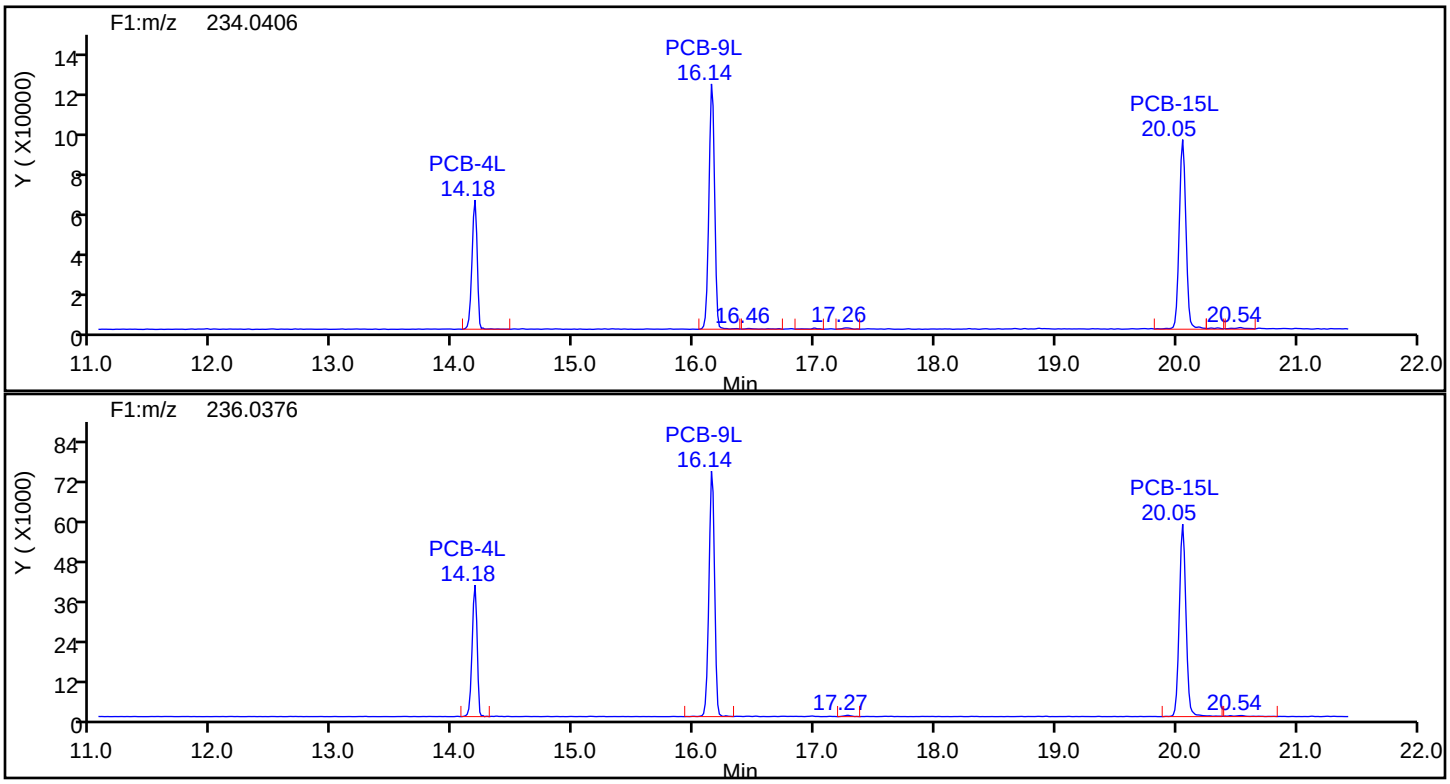
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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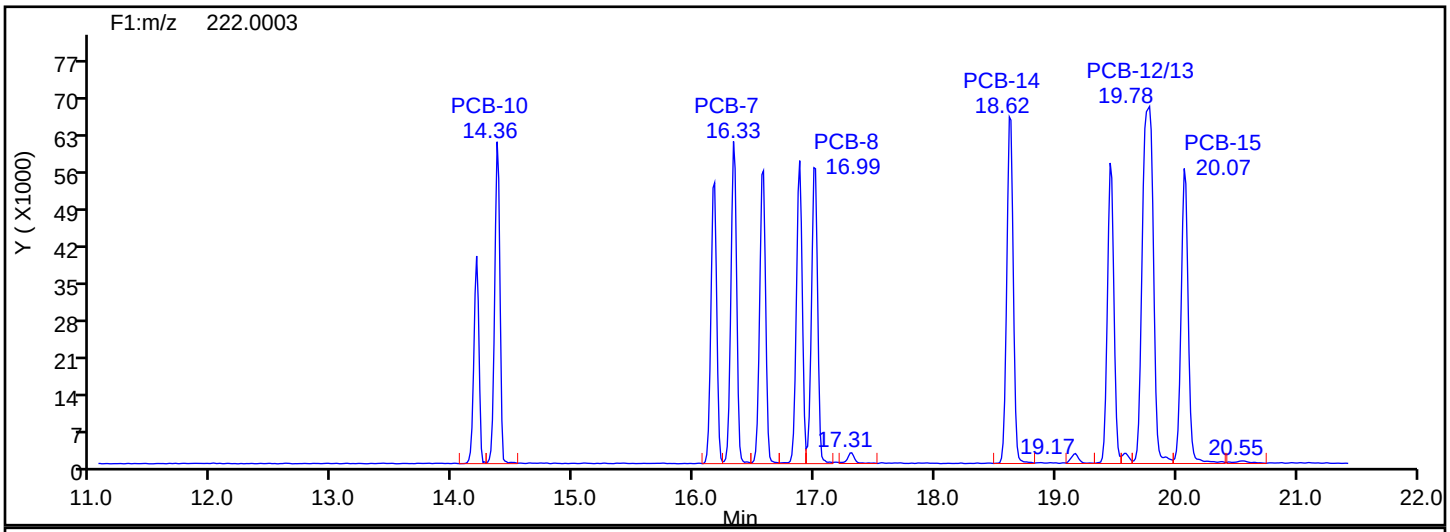
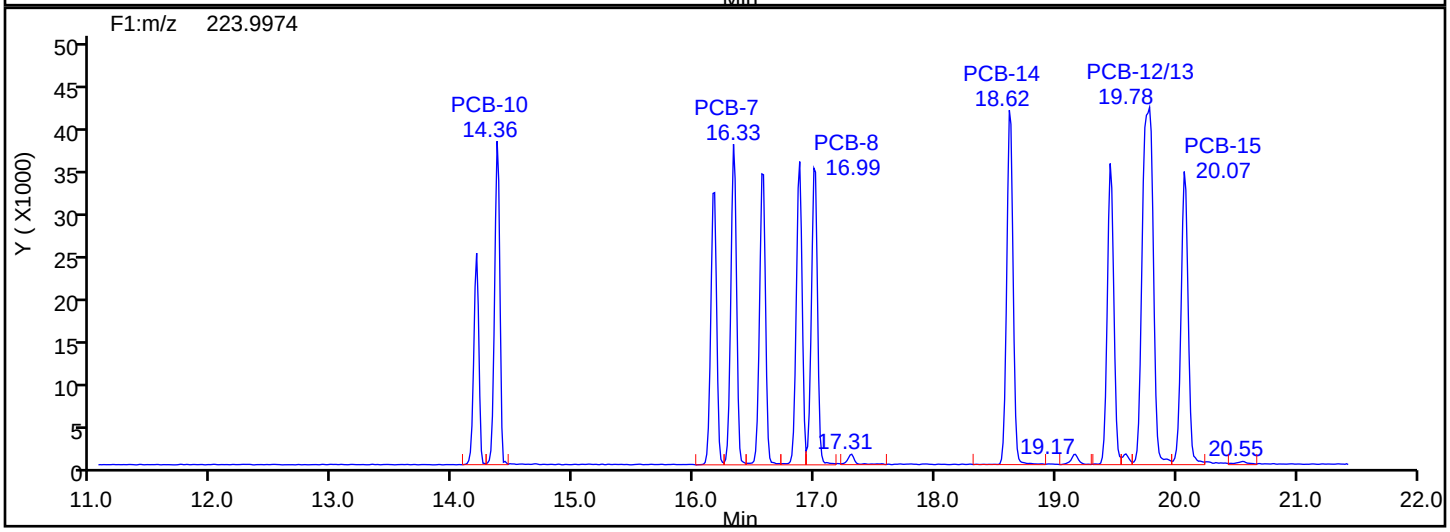
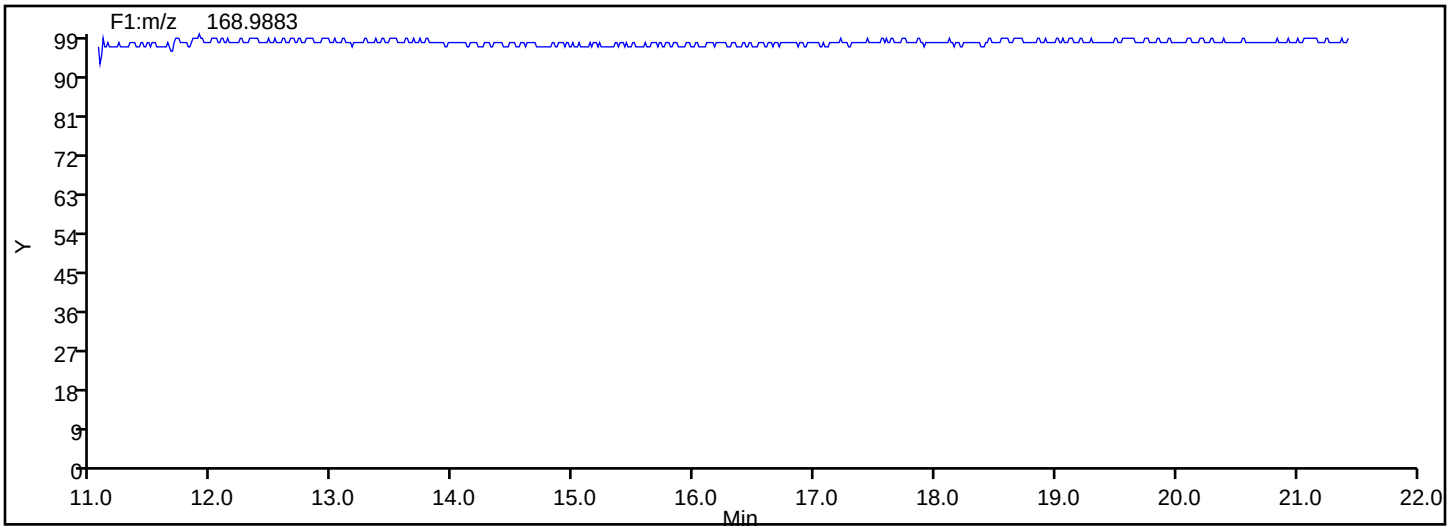
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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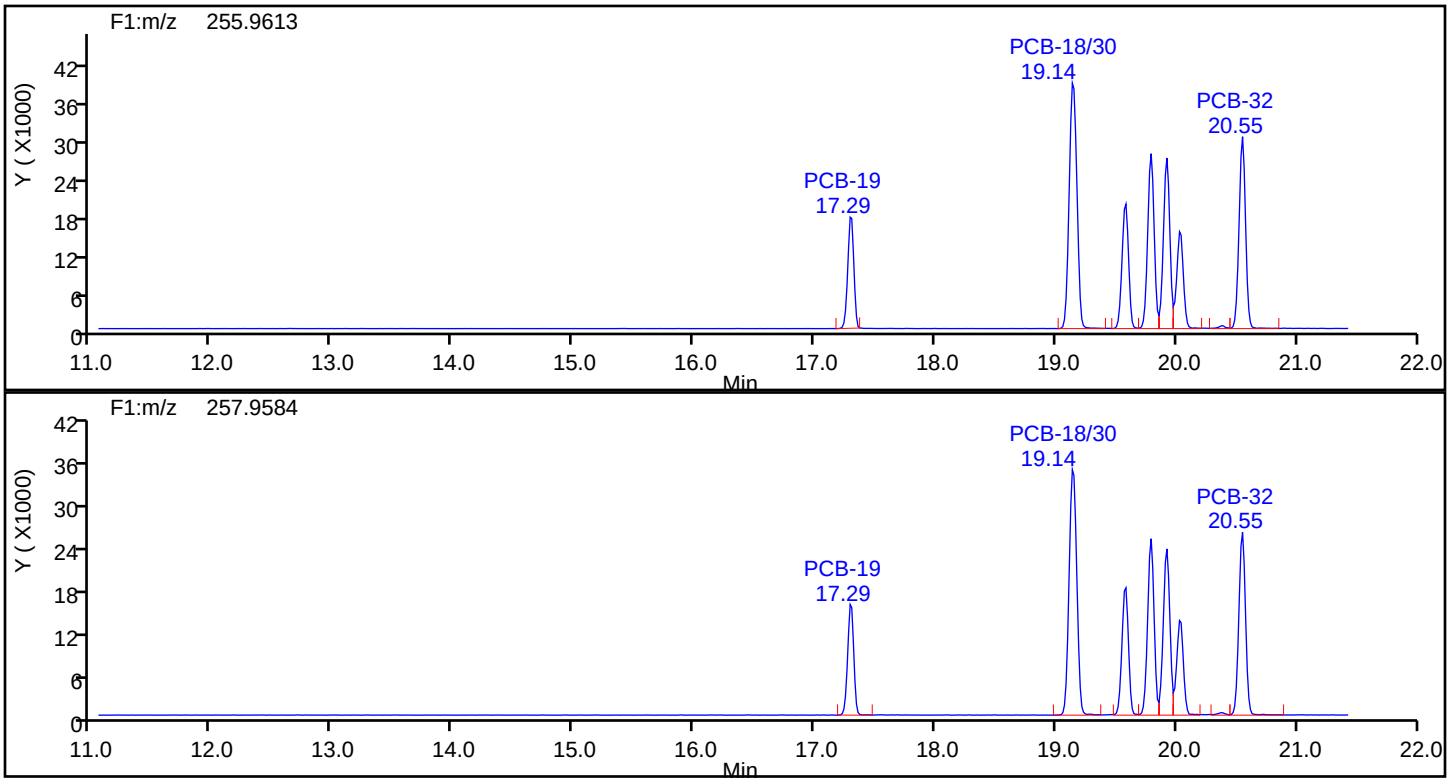
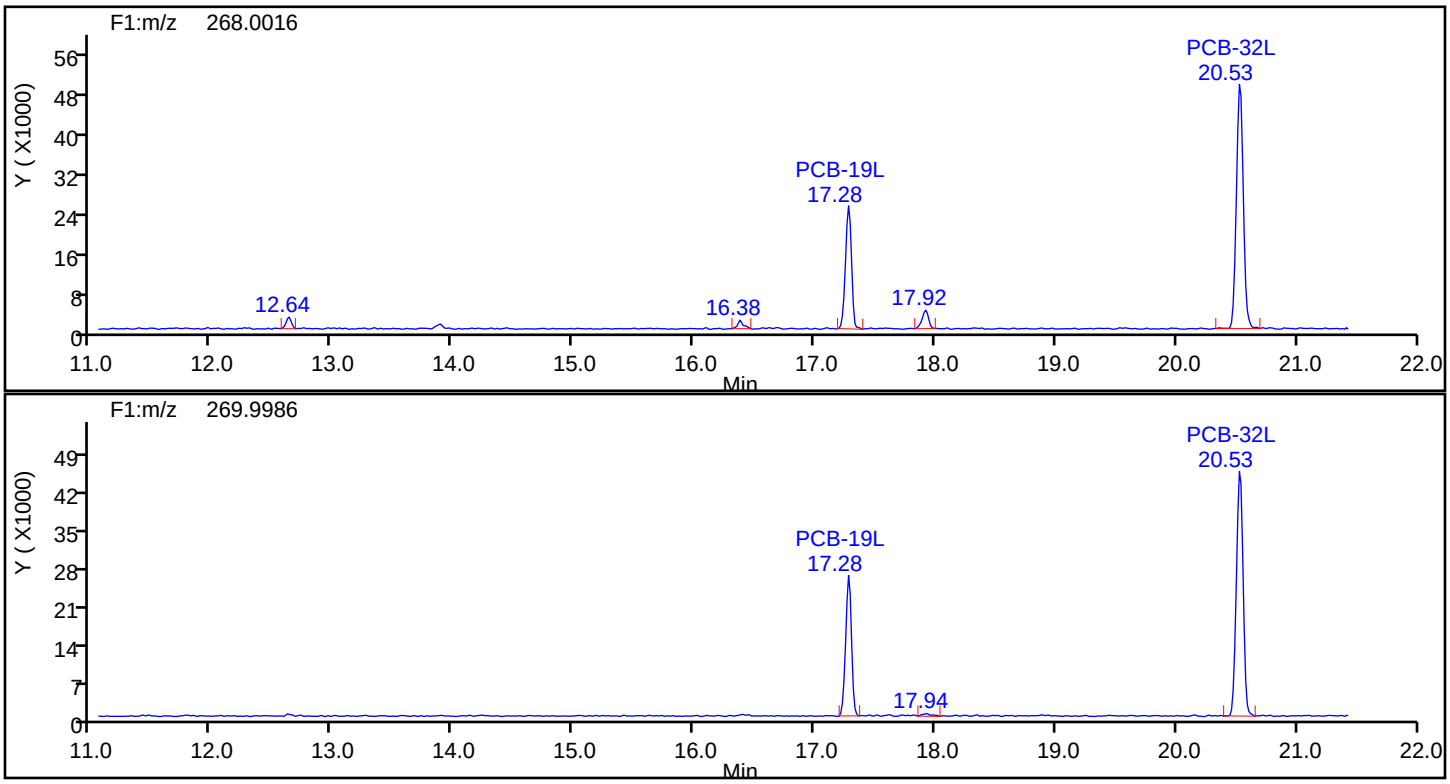
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
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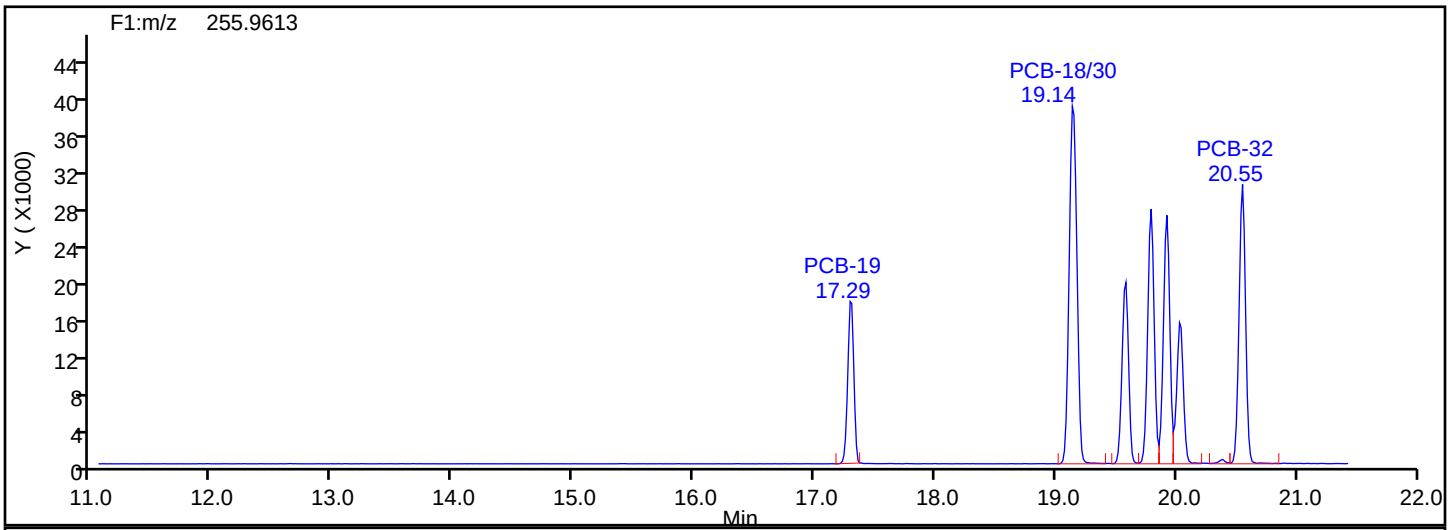
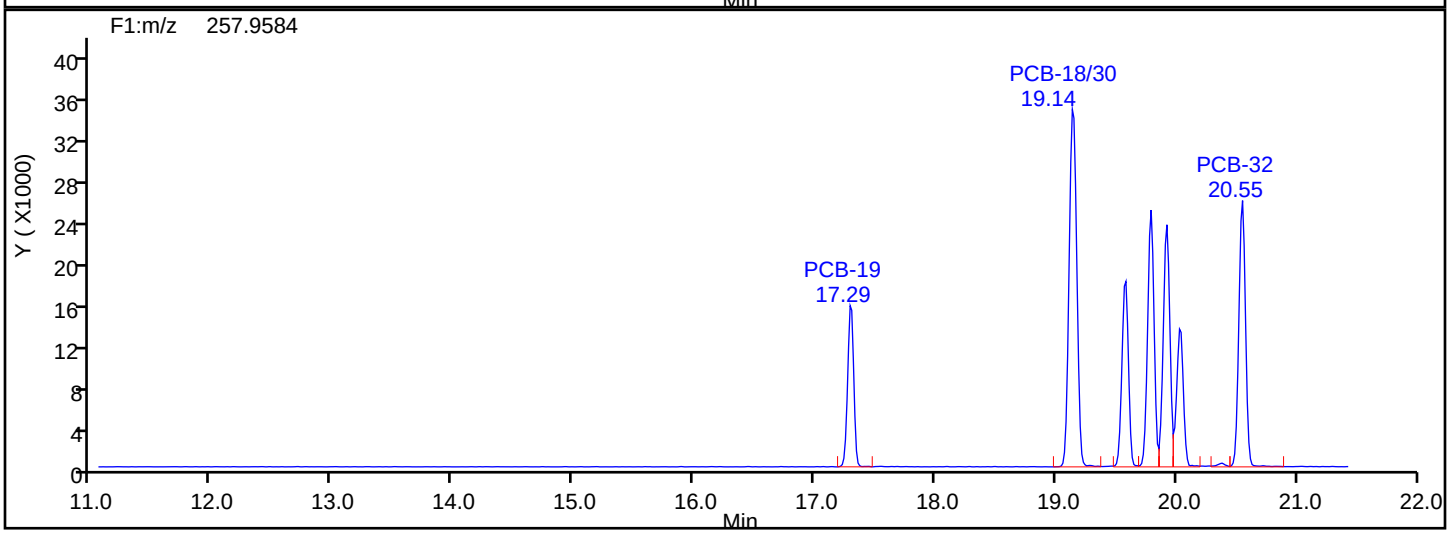
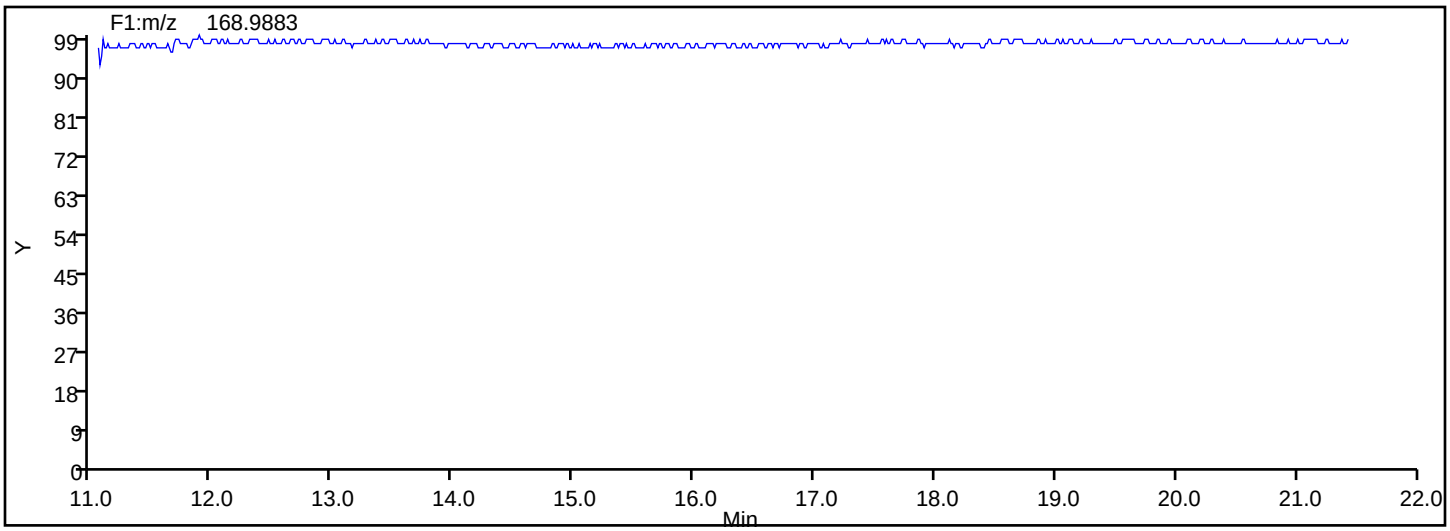
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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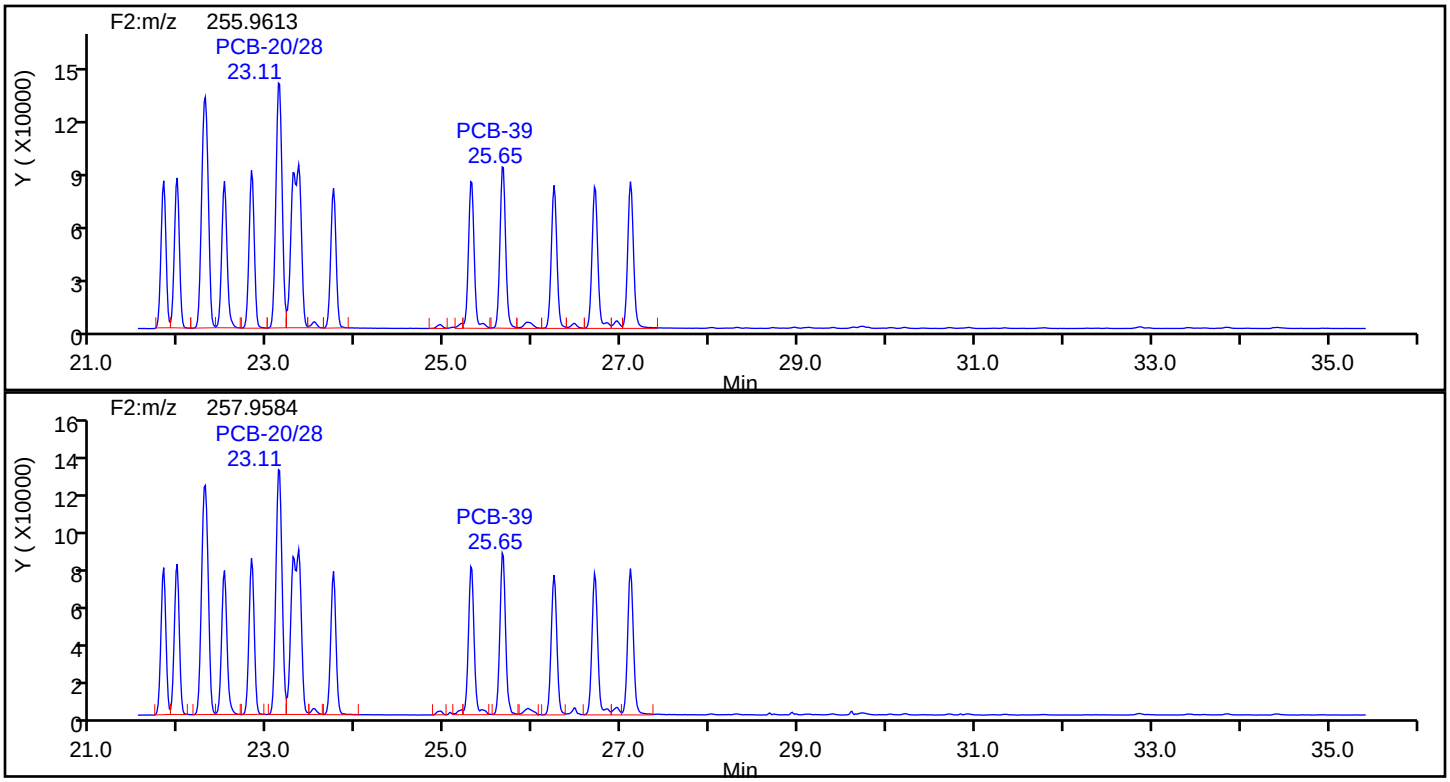
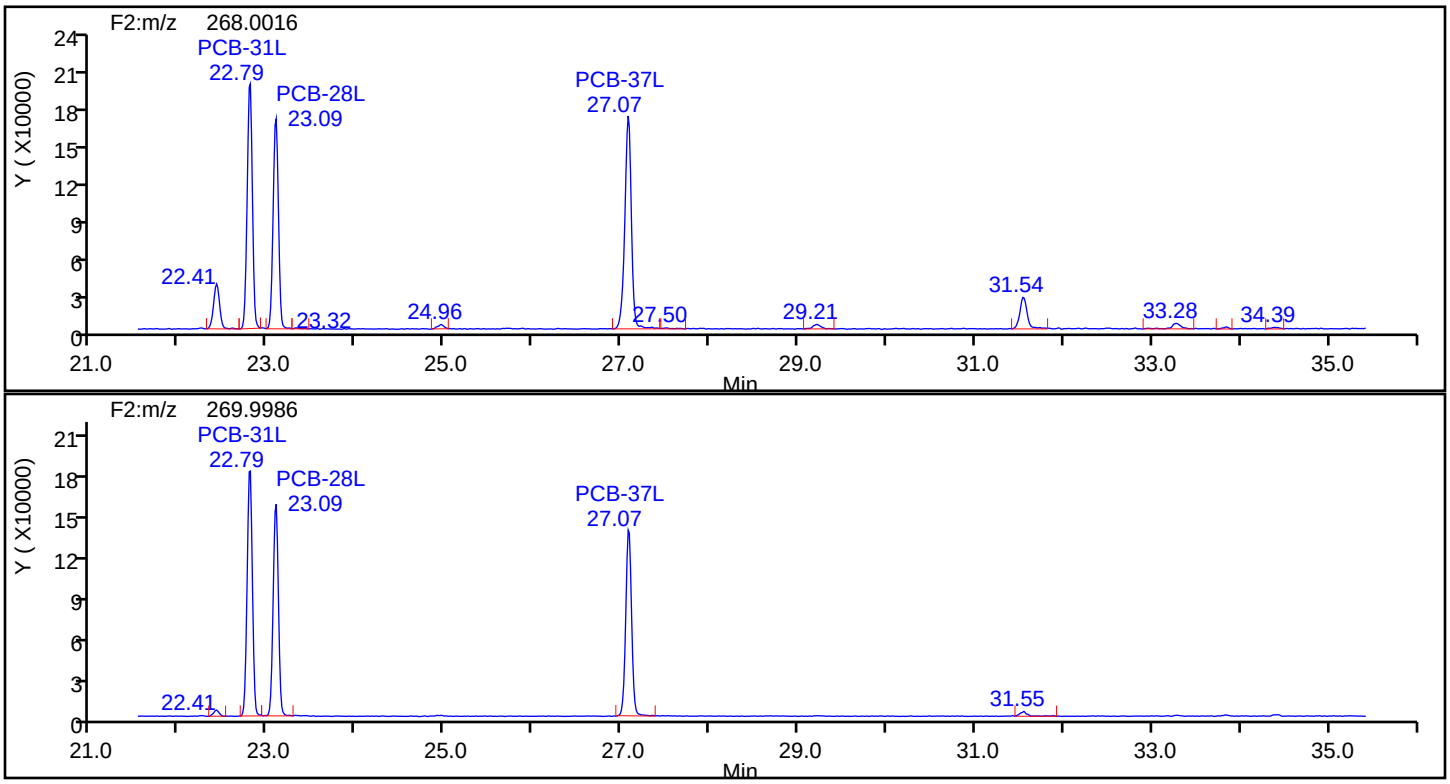
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



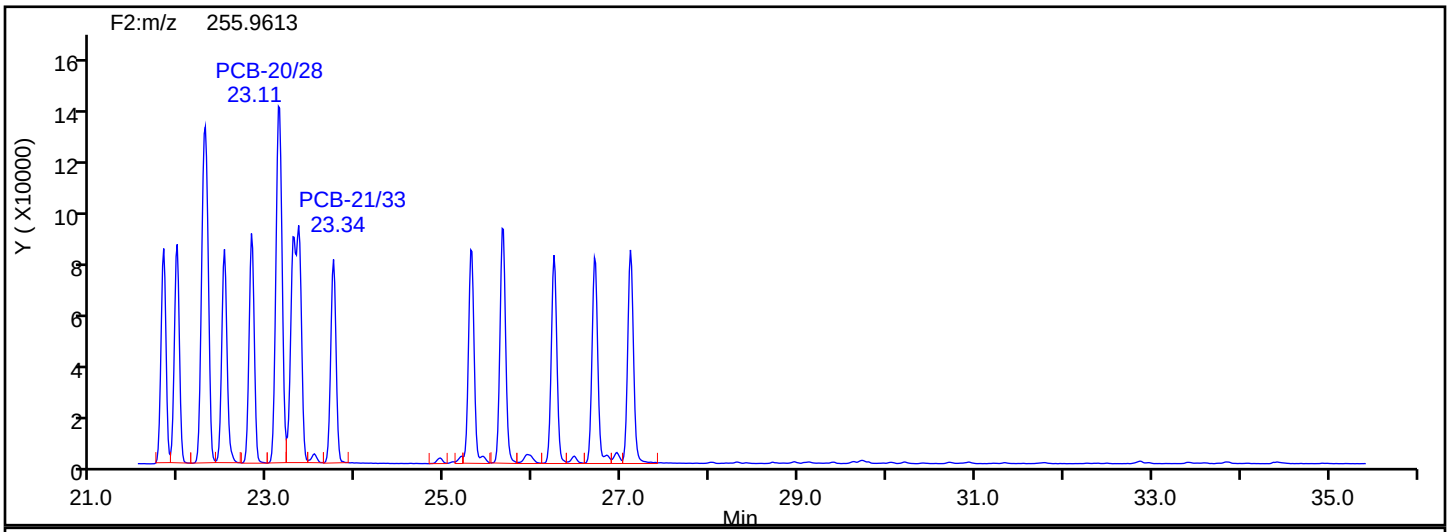

TriPCB F2 Standards

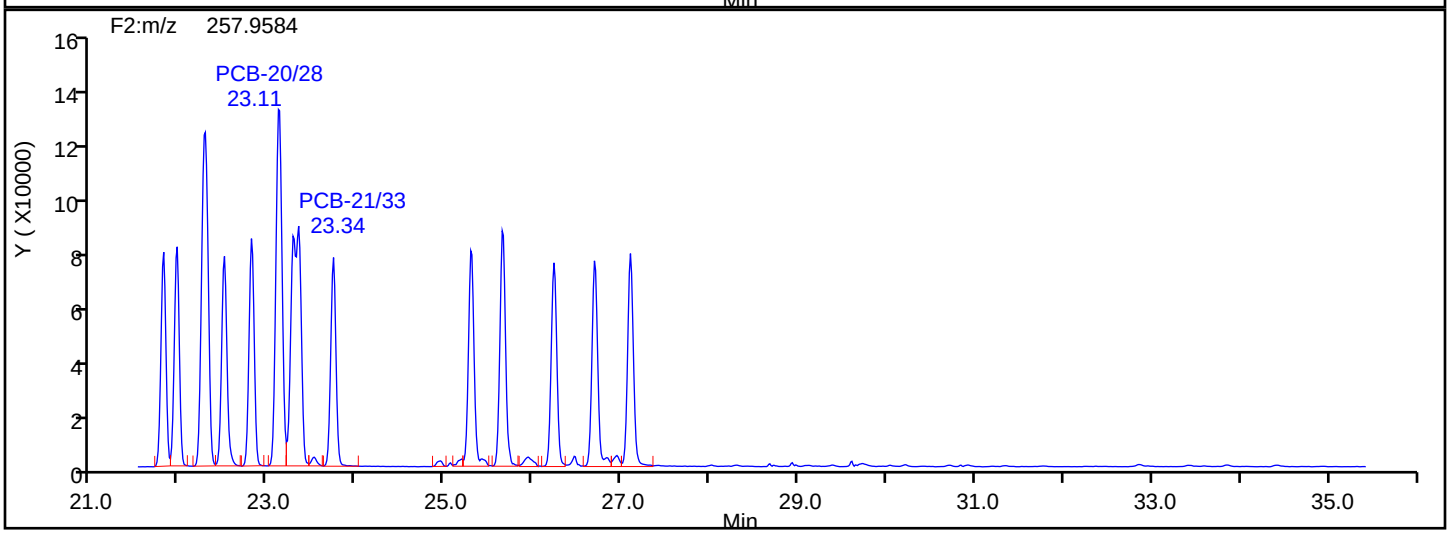


Eurofins TestAmerica, Knoxville

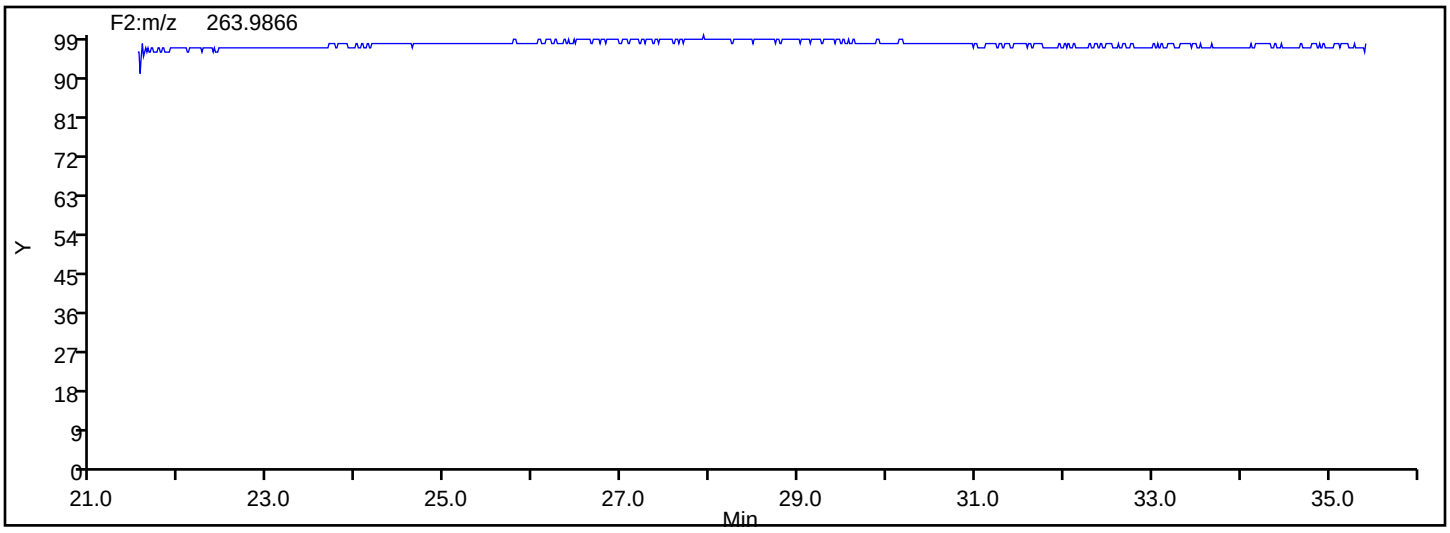
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

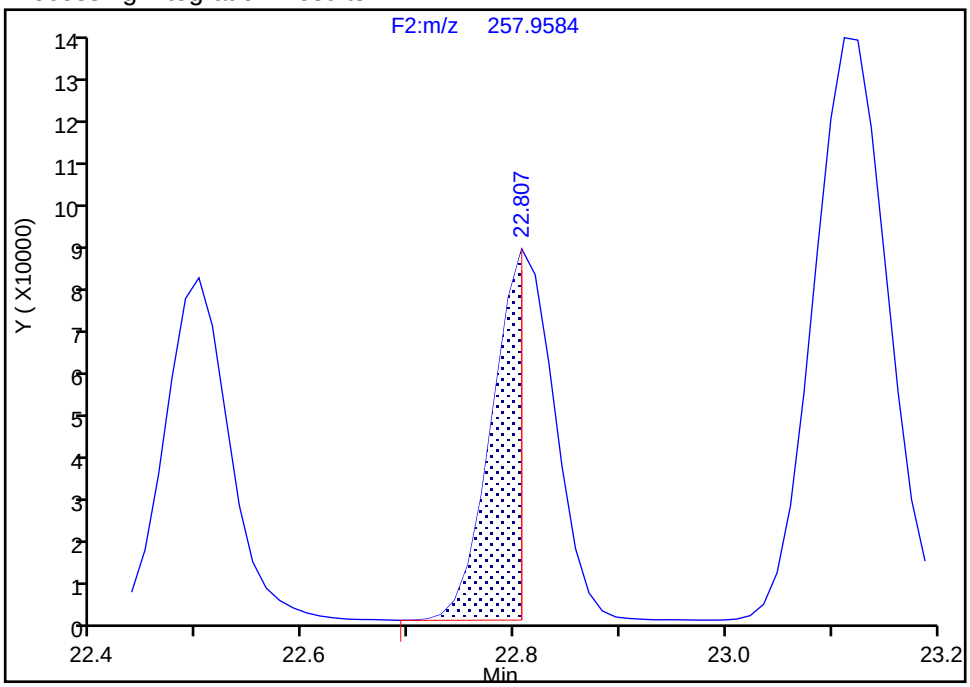
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-31, CAS: 16606-02-3

Signal: 2

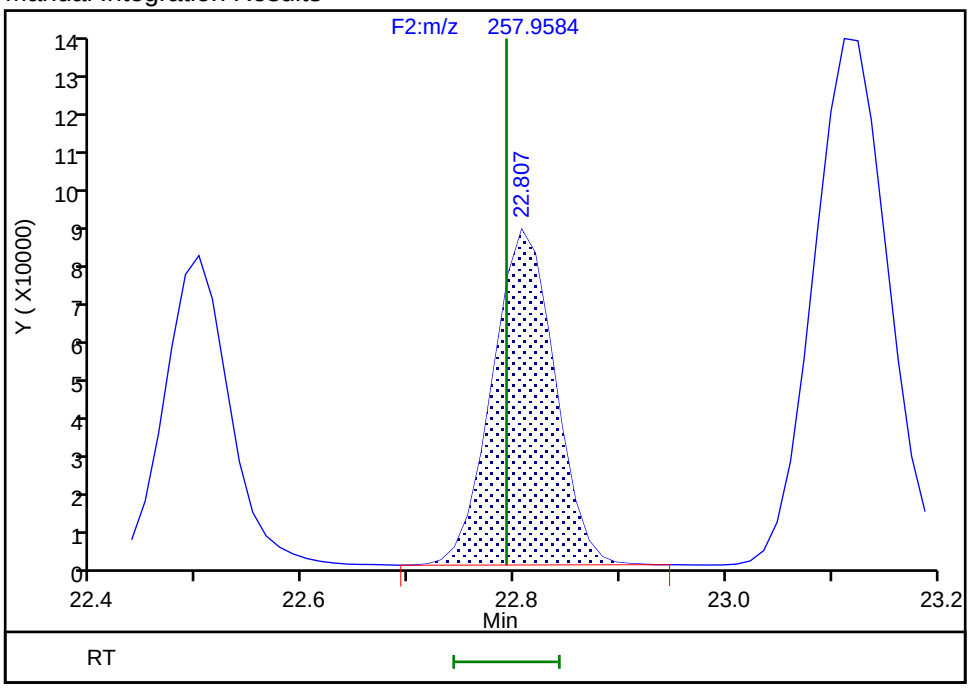
Processing Integration Results

RT: 22.81
Area: 163419
Amount: 25.557252
Amount Units: pg/ul




Manual Integration Results

RT: 22.81
Area: 346652
Amount: 34.365882
Amount Units: pg/ul



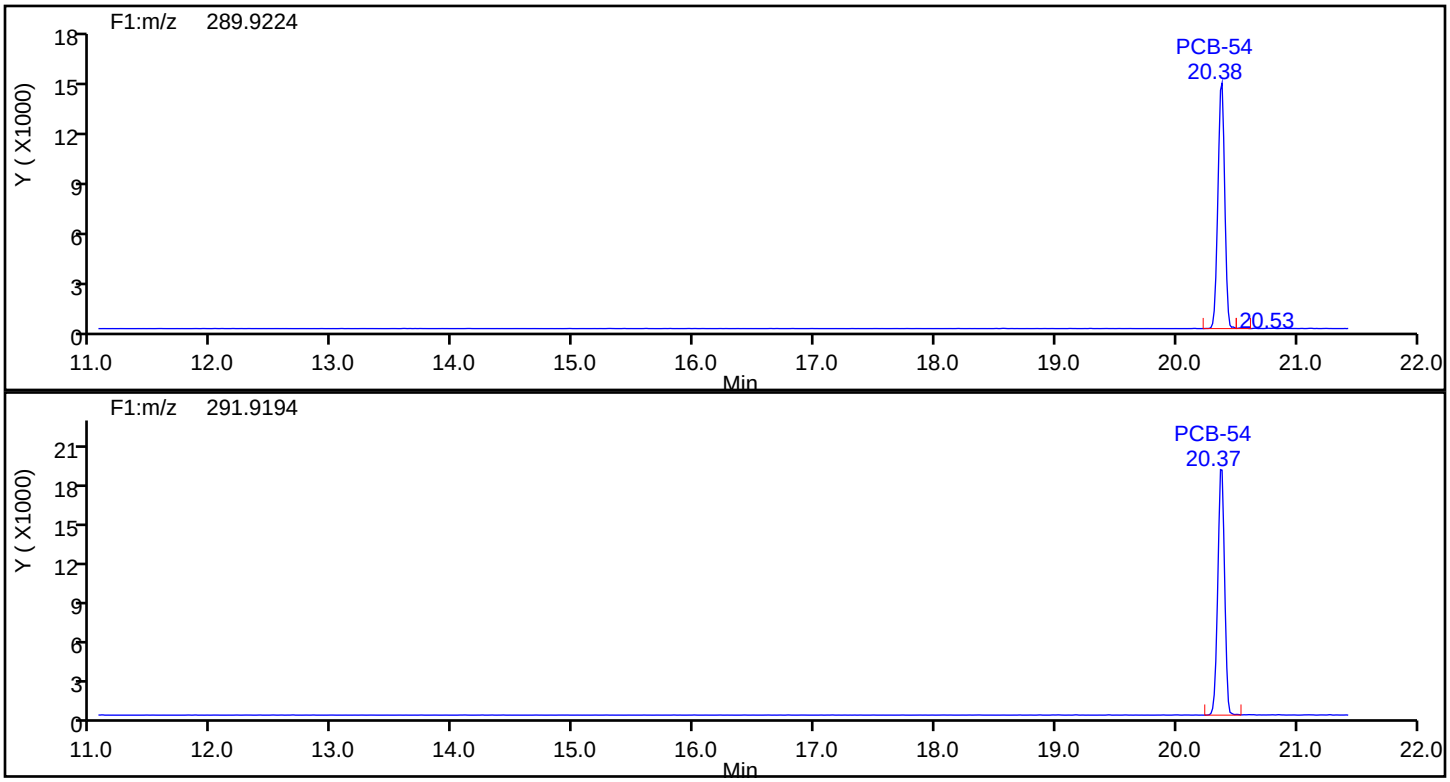

Reviewer: davidsonm, 24-Sep-2019 15:01:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

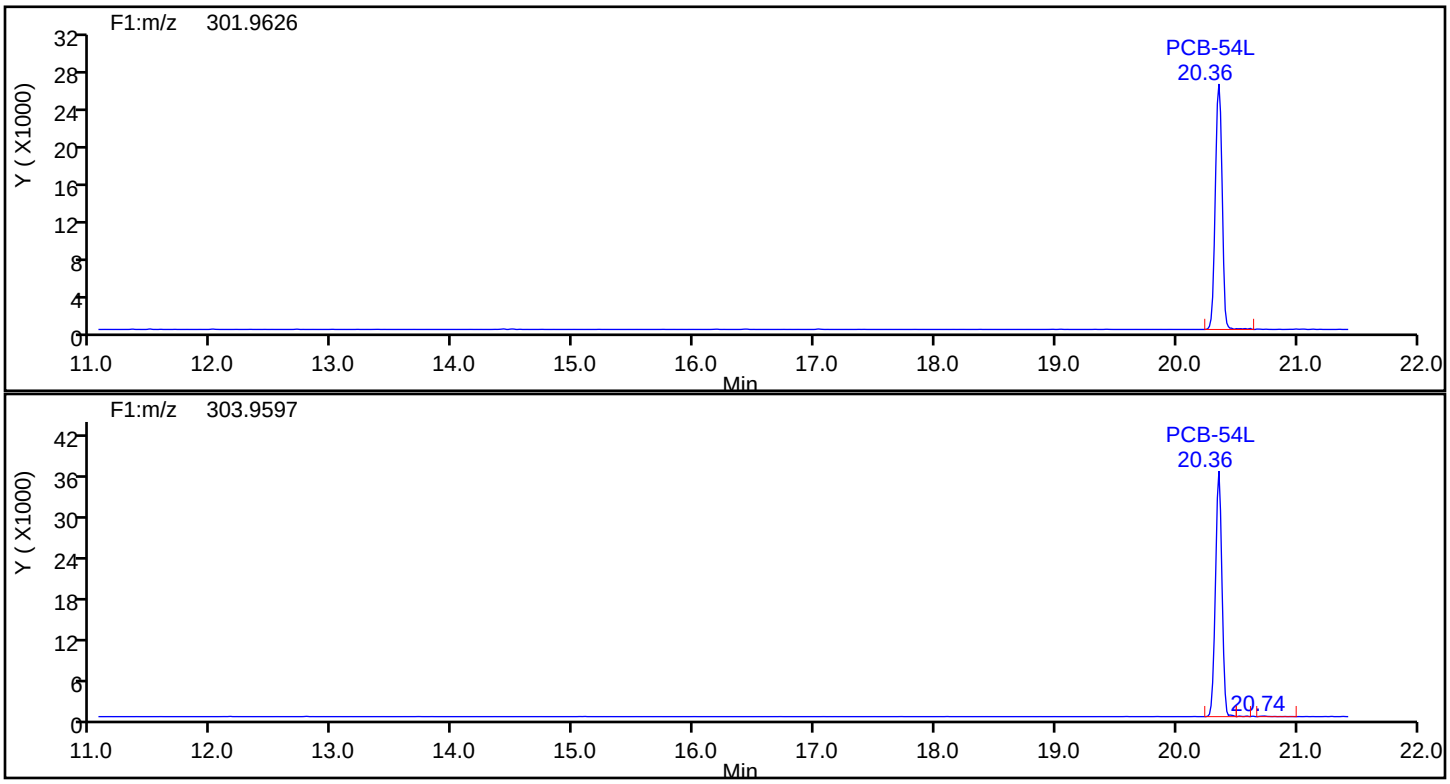
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



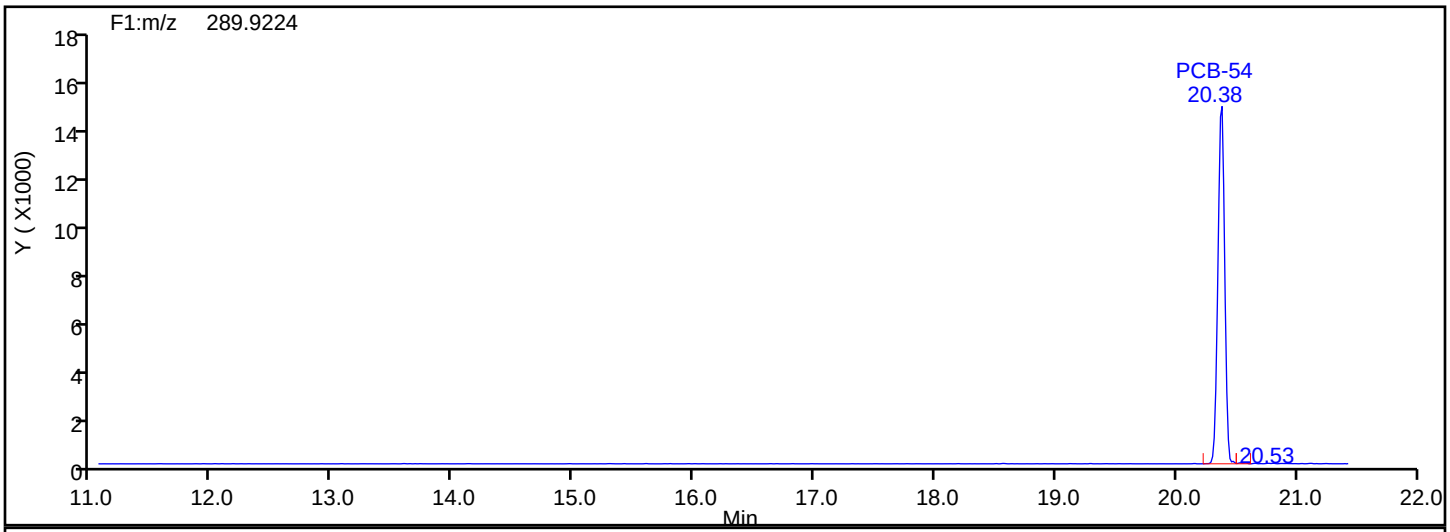

TePCB F1 Standards

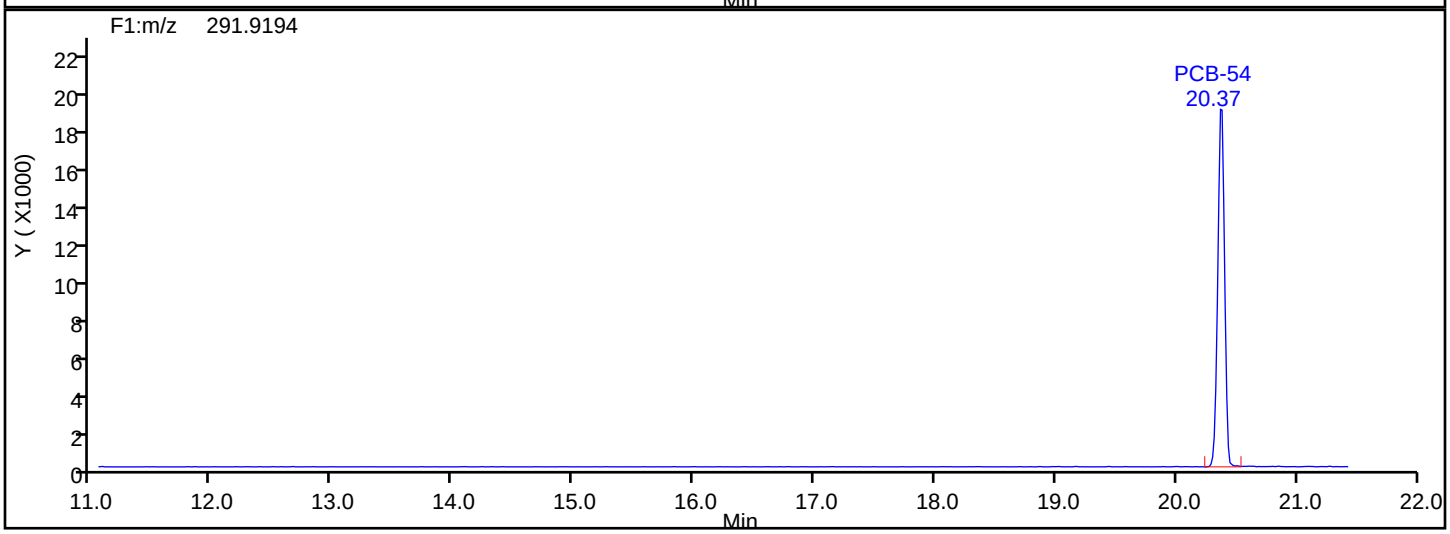


Eurofins TestAmerica, Knoxville

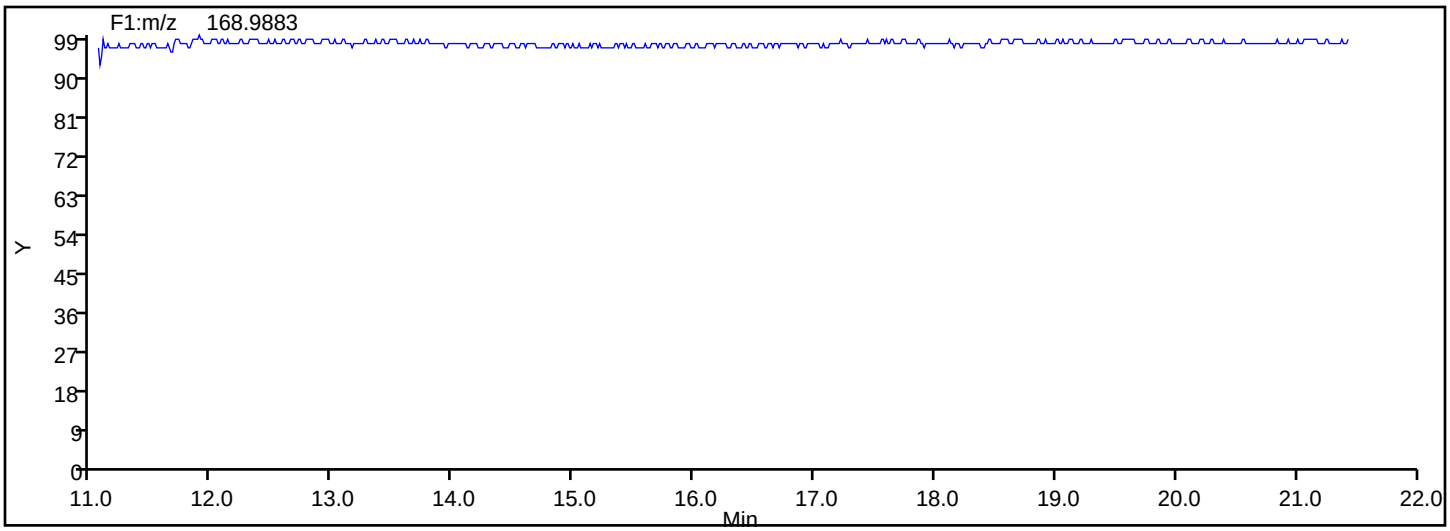
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



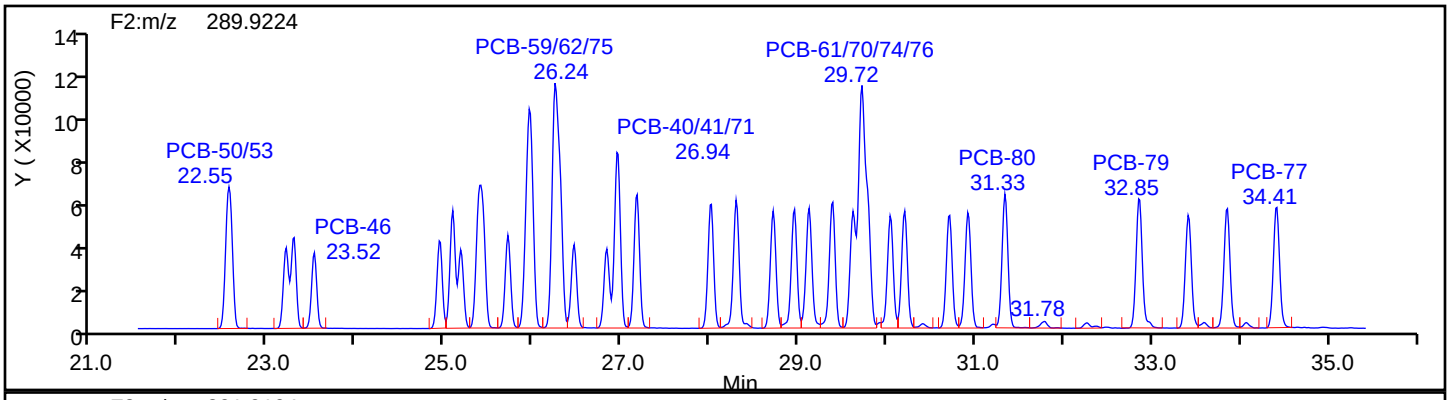

TePCB F1 Lock Mass

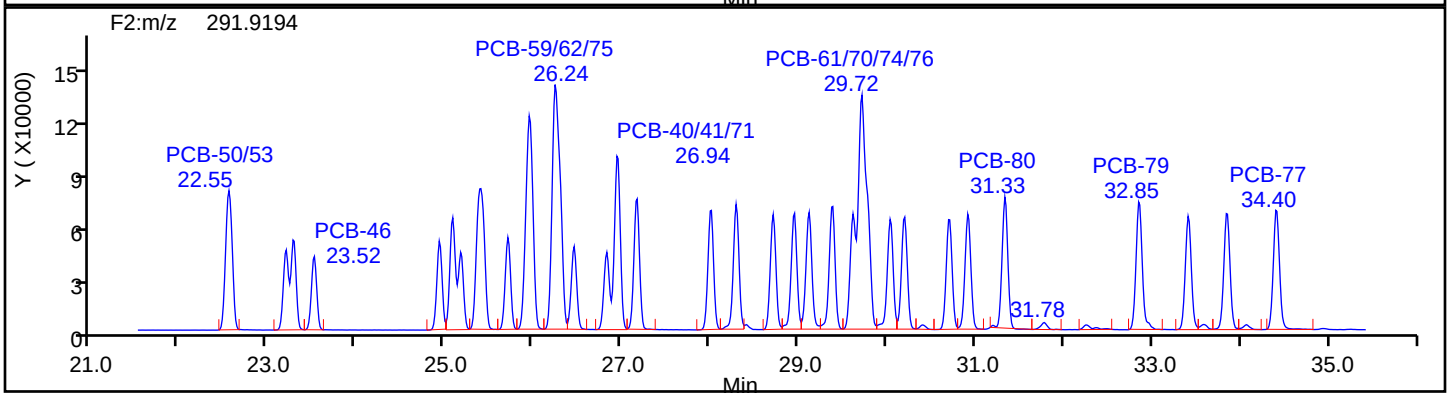


Eurofins TestAmerica, Knoxville

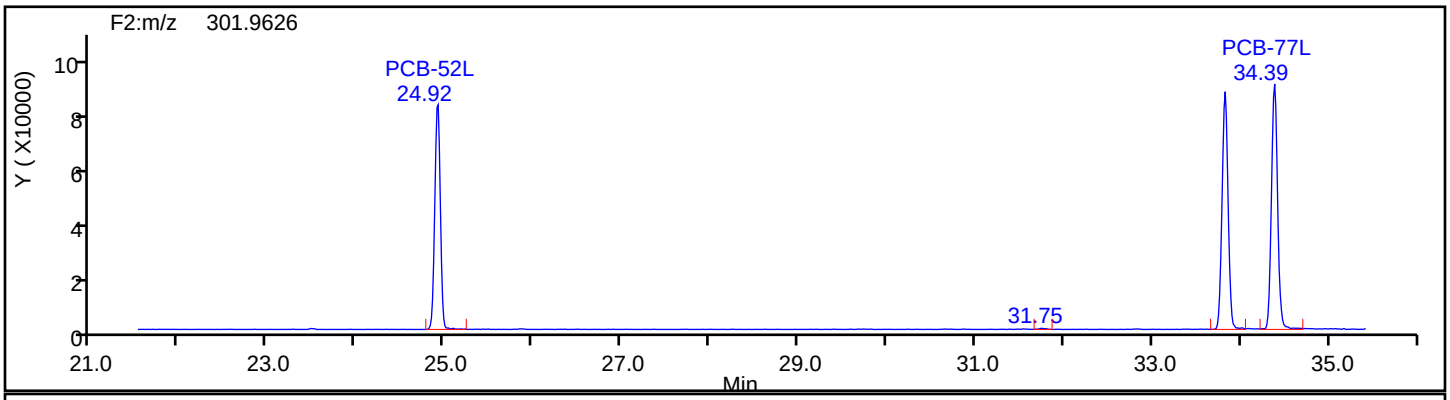
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

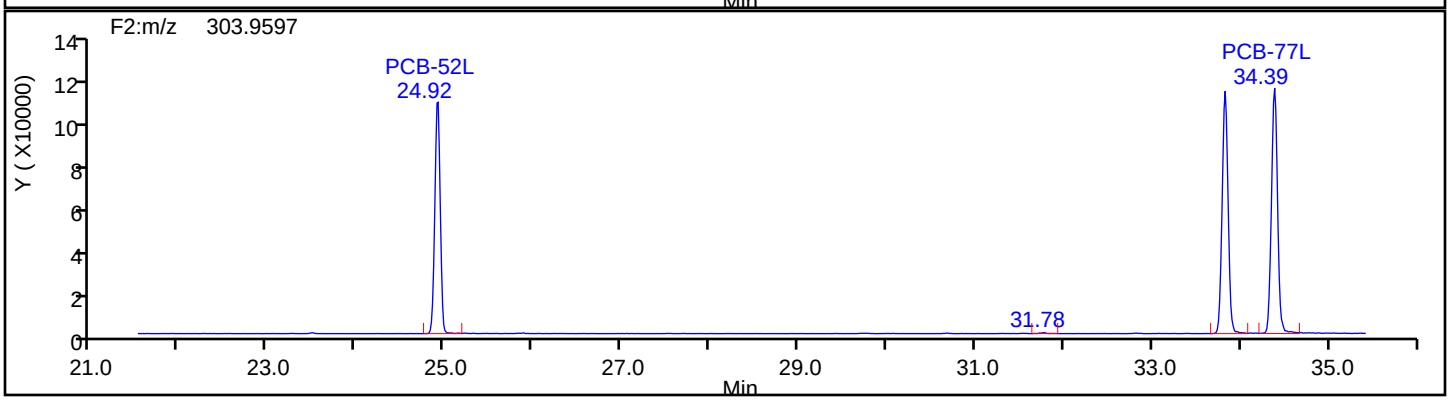
TePCB F2




TePCB F2 Standards

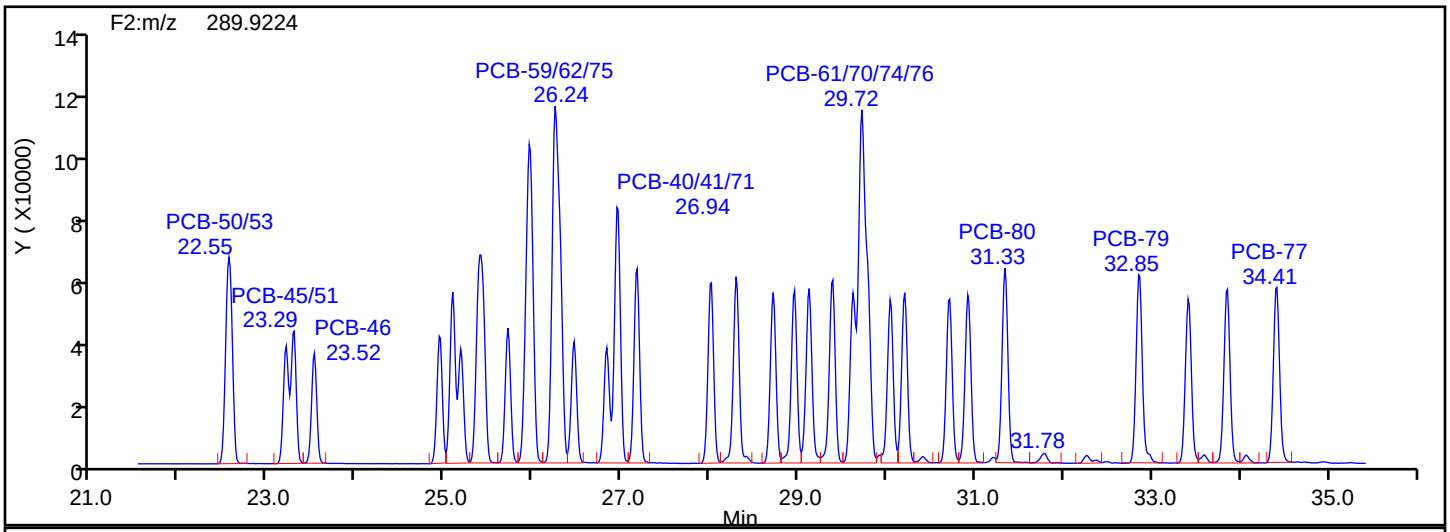


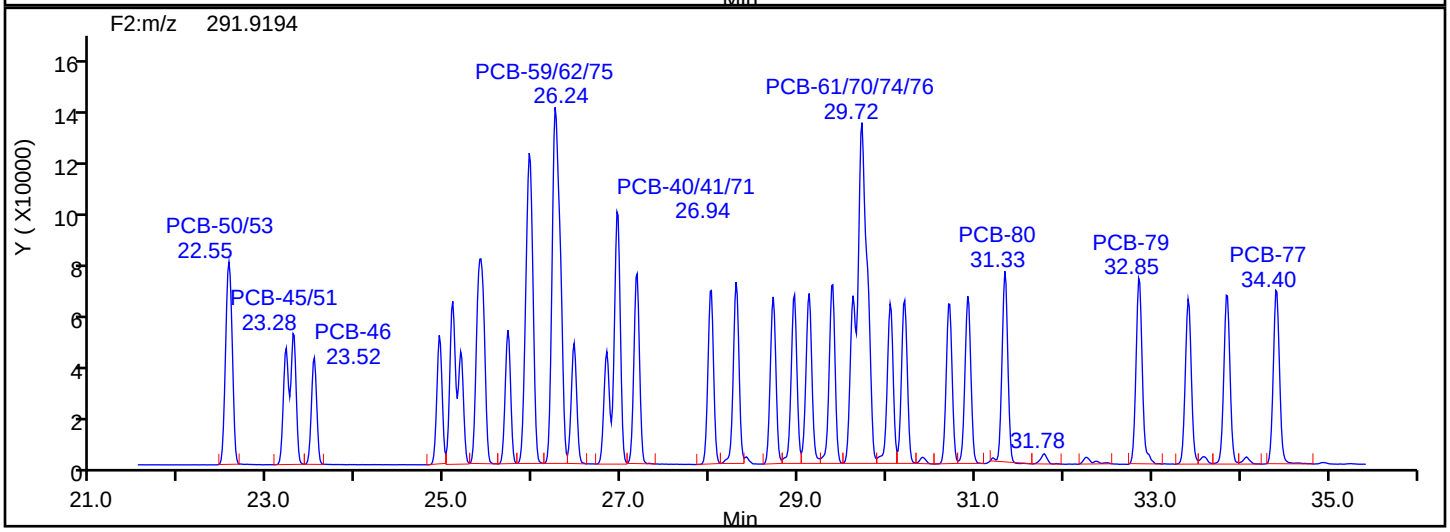



Eurofins TestAmerica, Knoxville

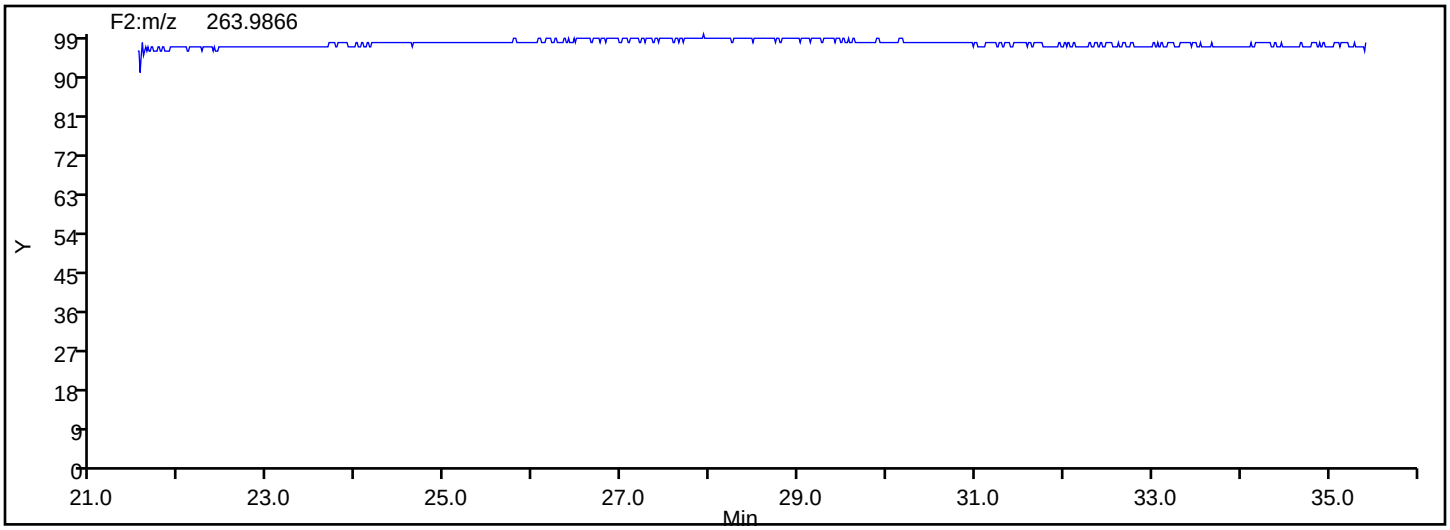
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

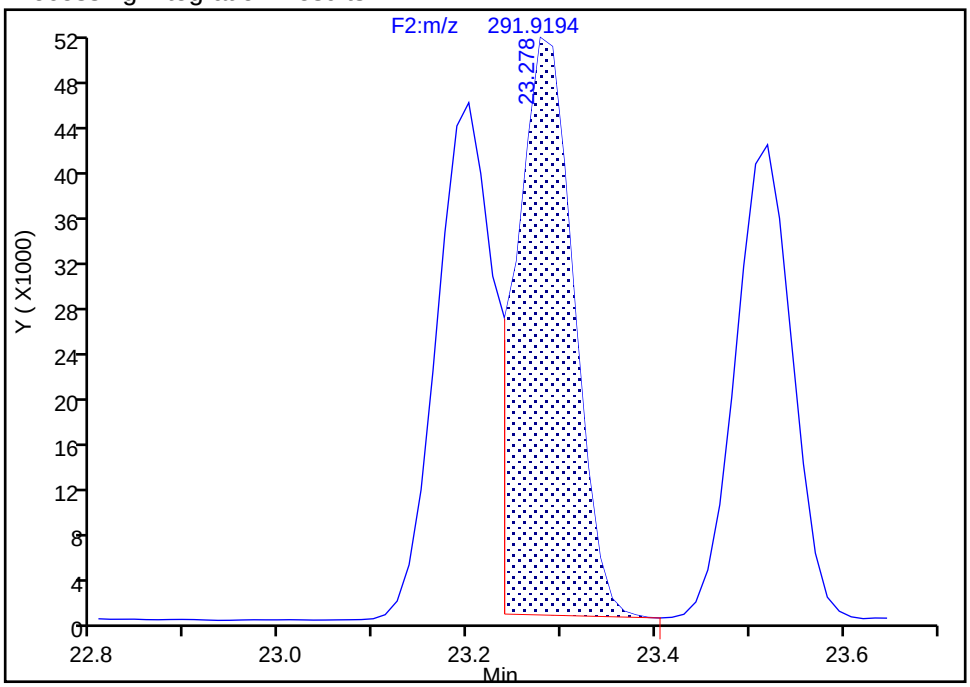
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 2

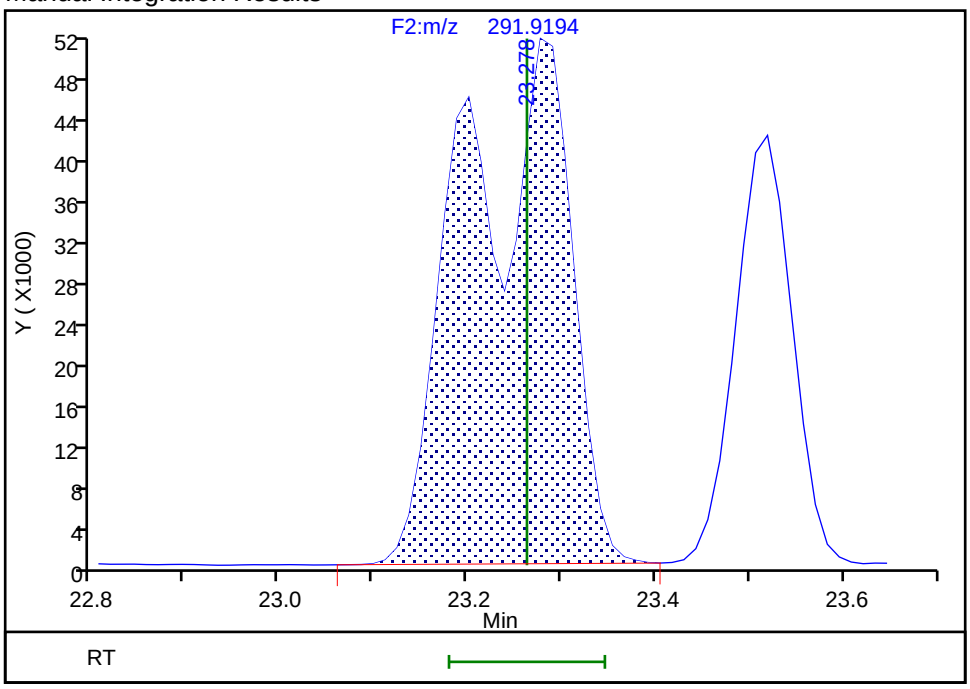
Processing Integration Results

RT: 23.28
Area: 210637
Amount: 44.186832
Amount Units: pg/ul




Manual Integration Results

RT: 23.28
Area: 402223
Amount: 83.997048
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:02:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

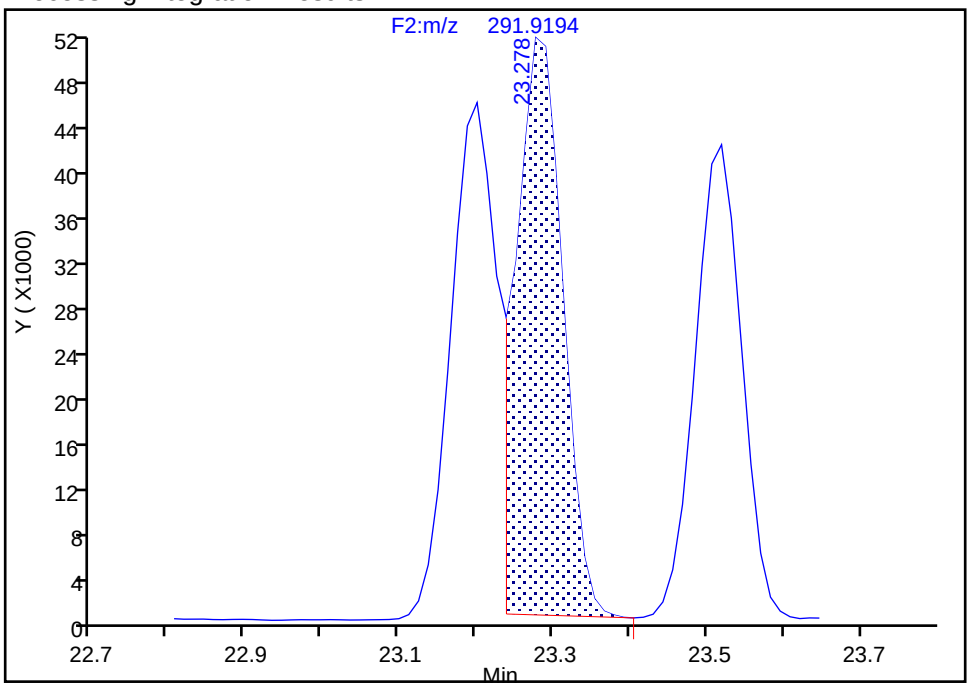
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-45/51, CAS: STL01804

Signal: 3

Processing Integration Results

RT: 23.29
Area: 378877
Amount: 44.186832
Amount Units: pg/ul




Manual Integration Results

RT: 23.29
Area: 720227
Amount: 83.997048
Amount Units: pg/ul
Reviewer: davidsonm, 24-Sep-2019 15:02:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

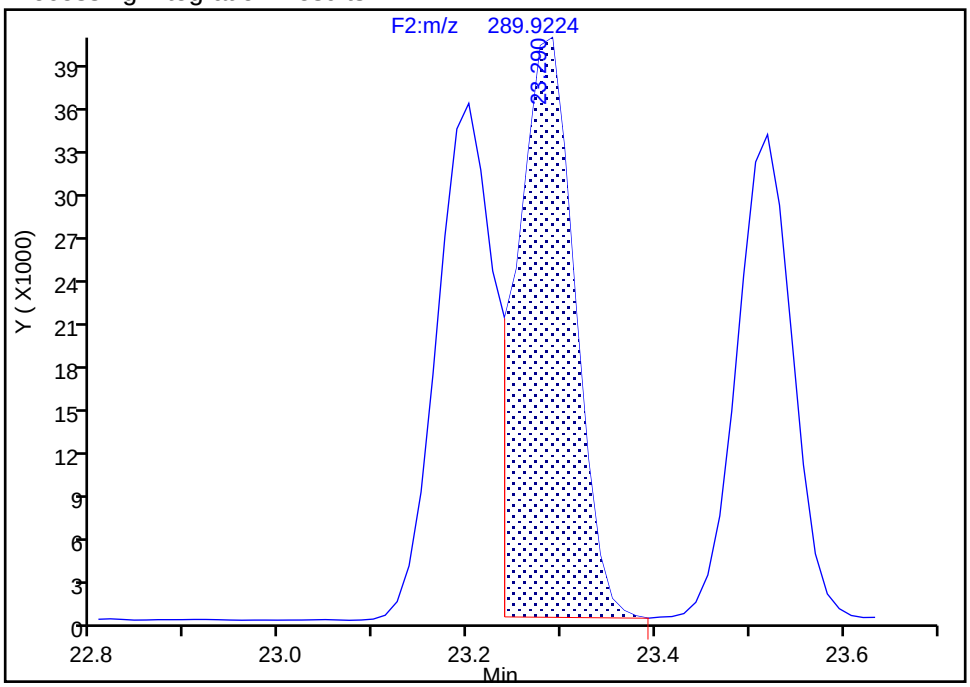
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

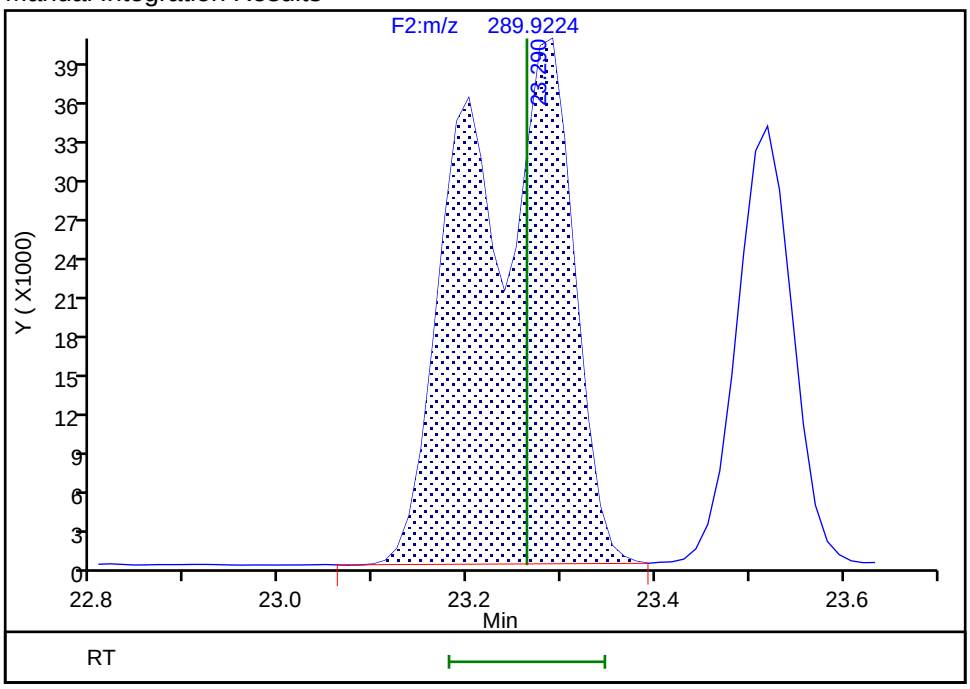
Processing Integration Results

RT: 23.29
Area: 168240
Amount: 44.186832
Amount Units: pg/ul




Manual Integration Results

RT: 23.29
Area: 318004
Amount: 83.997048
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:02:21

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

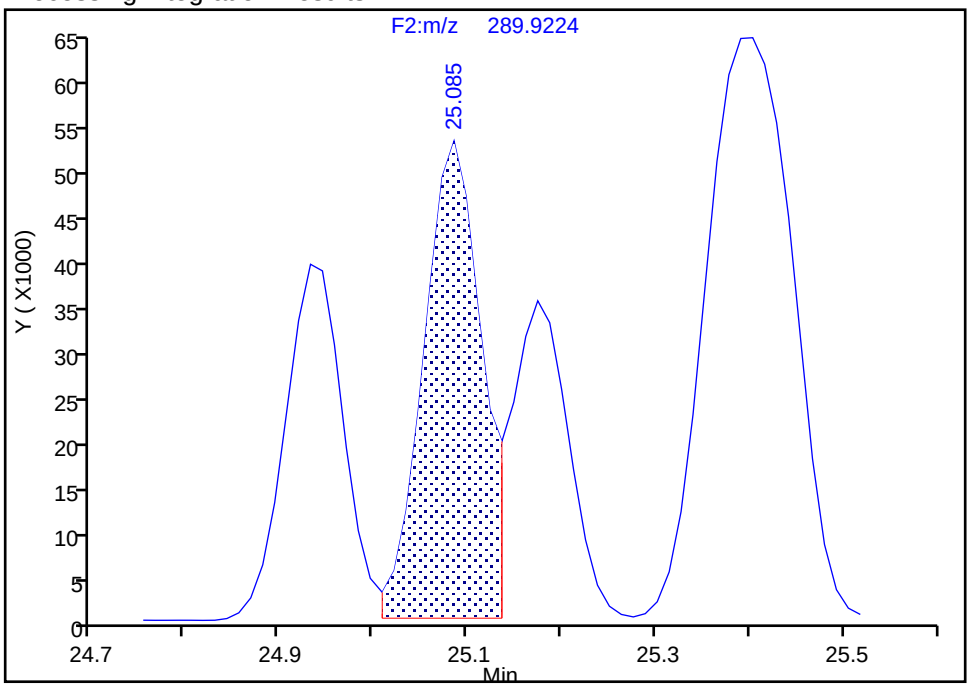
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

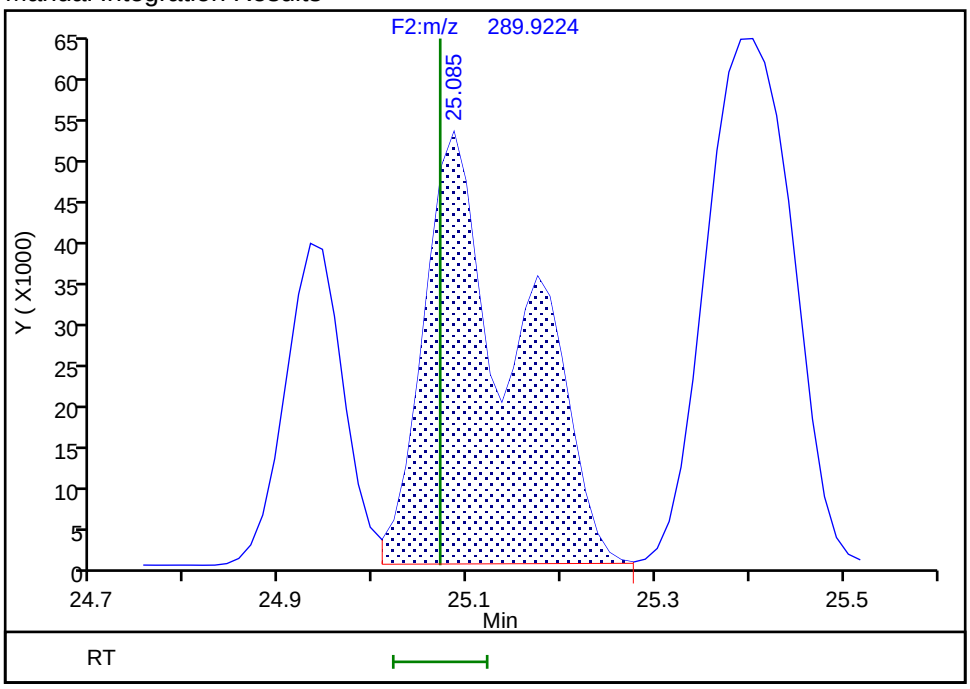
Processing Integration Results

RT: 25.09
Area: 224305
Amount: 52.042047
Amount Units: pg/ul




Manual Integration Results

RT: 25.09
Area: 369152
Amount: 85.905165
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:02:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

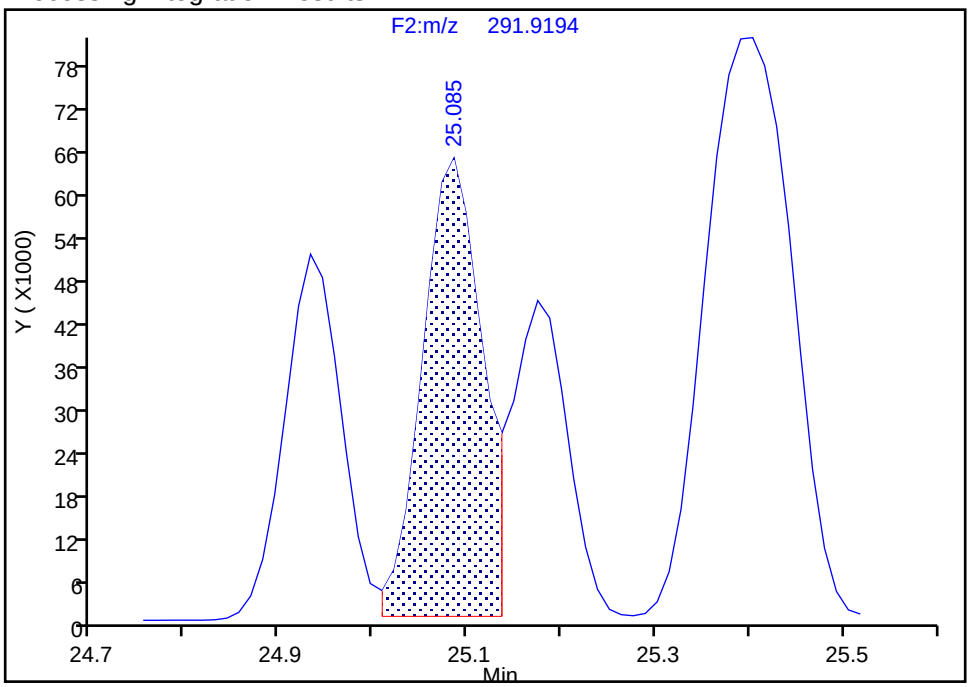
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-43/73, CAS: STL02293

Signal: 2

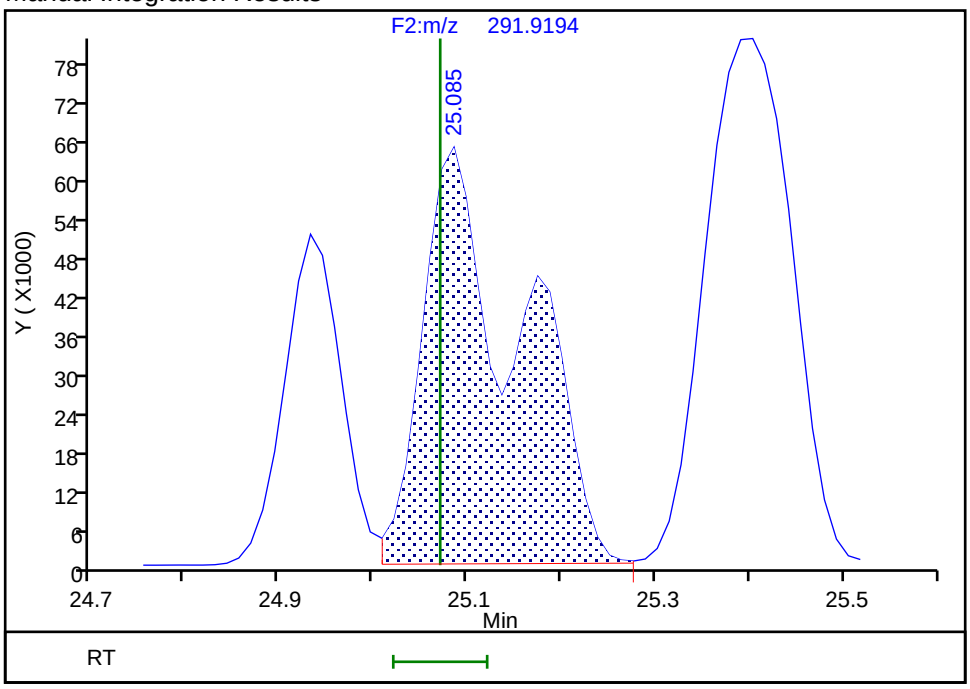
Processing Integration Results

RT: 25.09
Area: 279565
Amount: 52.042047
Amount Units: pg/ul




Manual Integration Results

RT: 25.09
Area: 462580
Amount: 85.905165
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:02:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

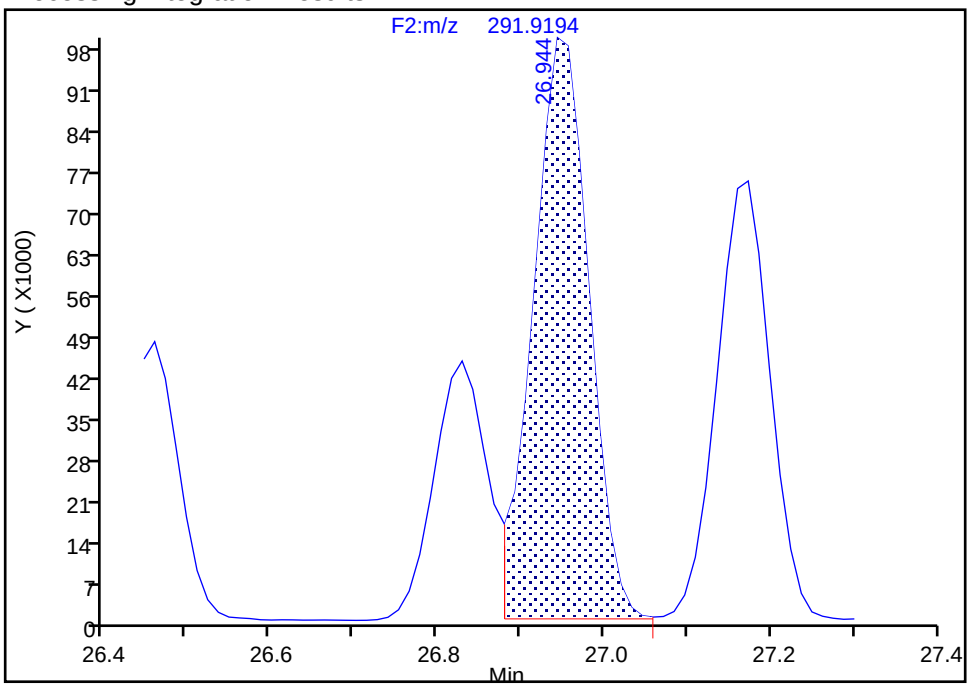
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

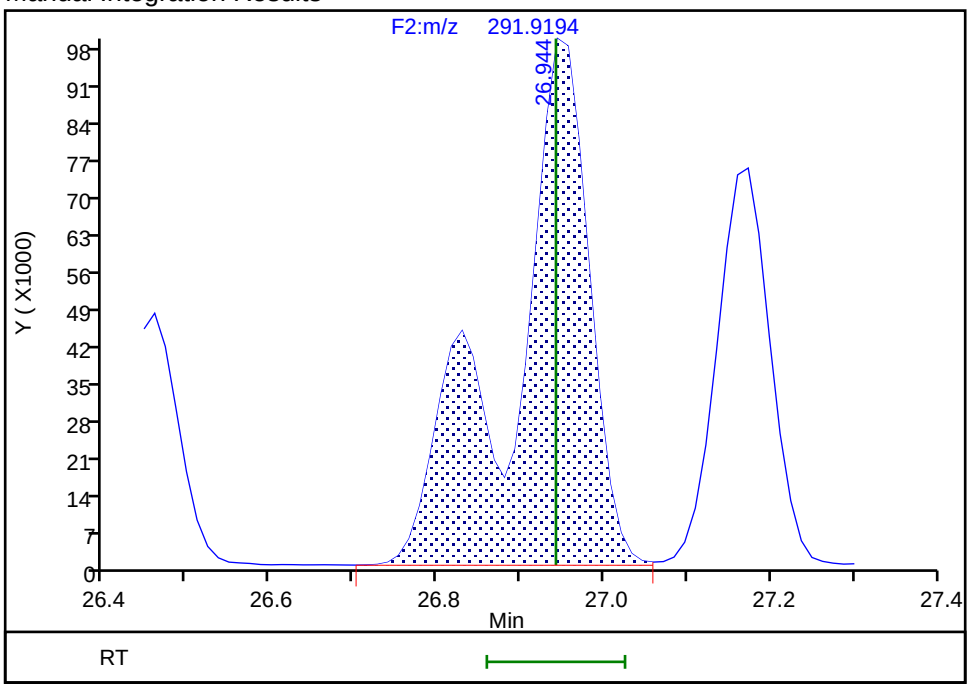
Processing Integration Results

RT: 26.94
Area: 459419
Amount: 110.6733
Amount Units: pg/ul




Manual Integration Results

RT: 26.94
Area: 657403
Amount: 132.9365
Amount Units: pg/ul



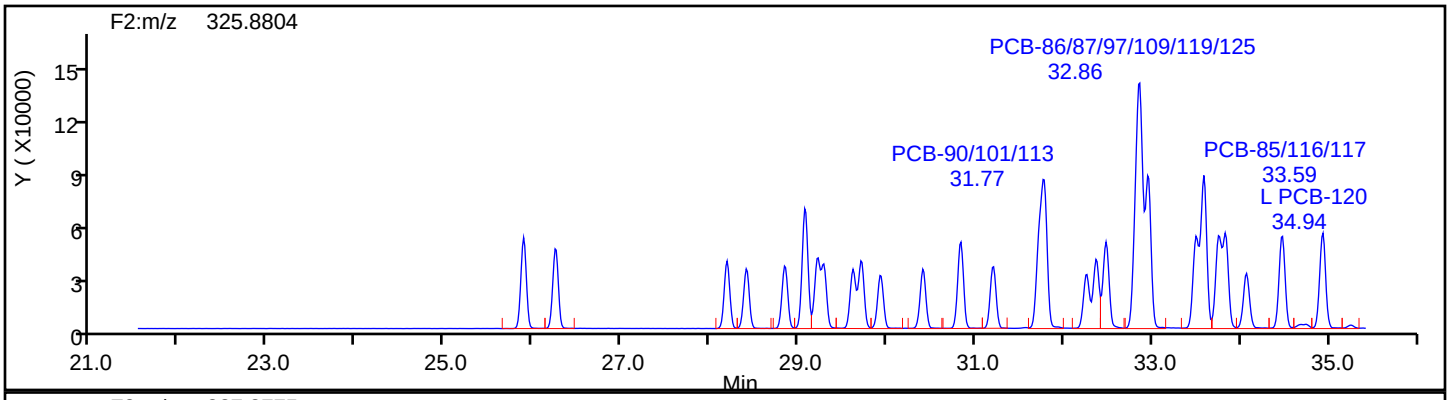

Reviewer: davidsonm, 24-Sep-2019 15:03:03

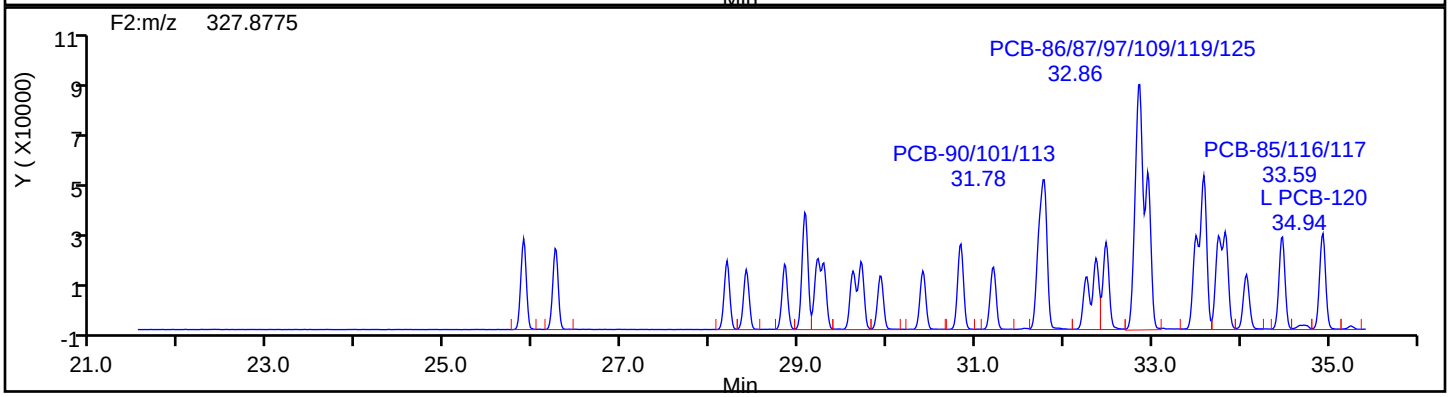
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

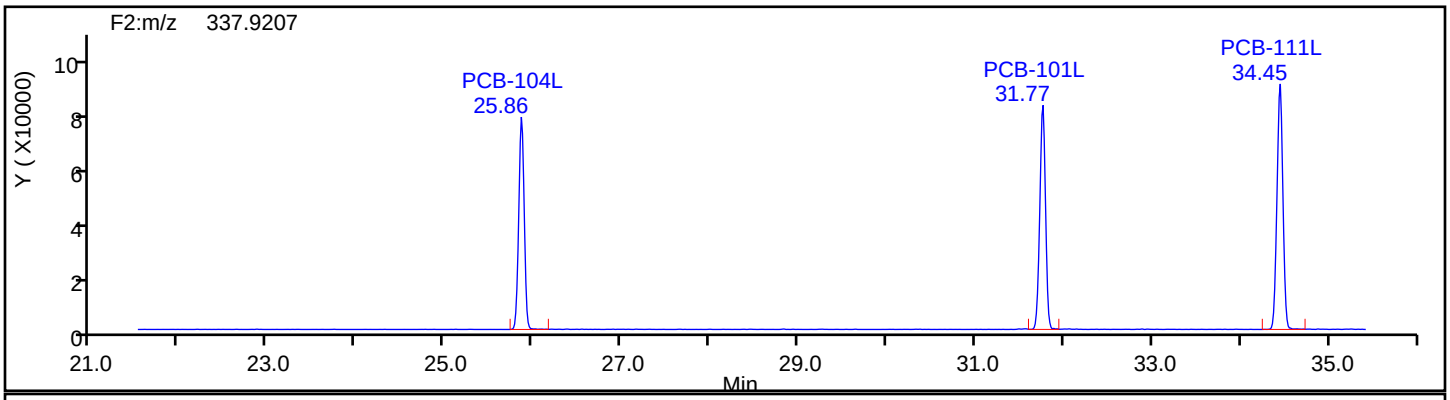
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

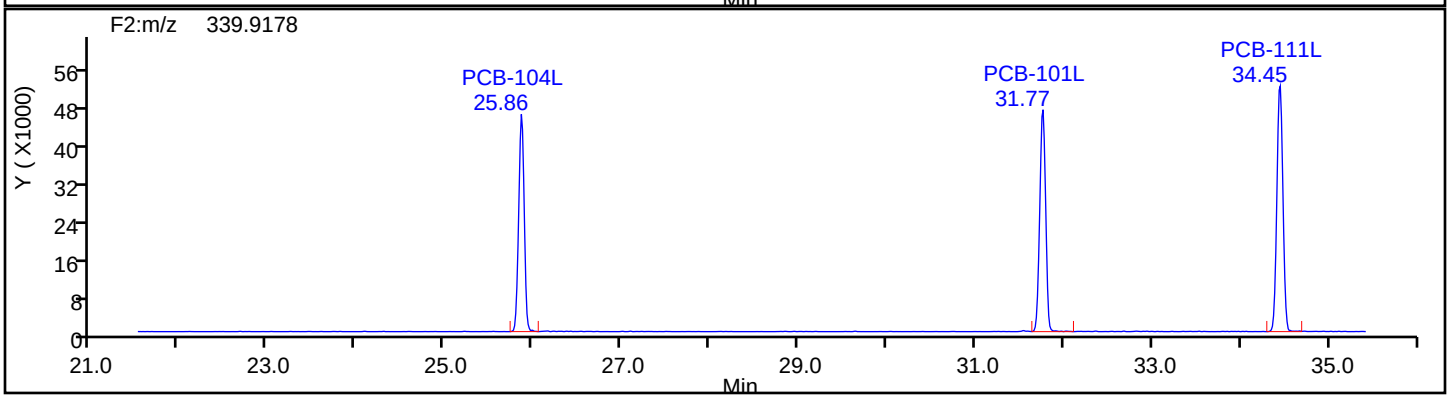
PePCB F2




PePCB F2 Standards

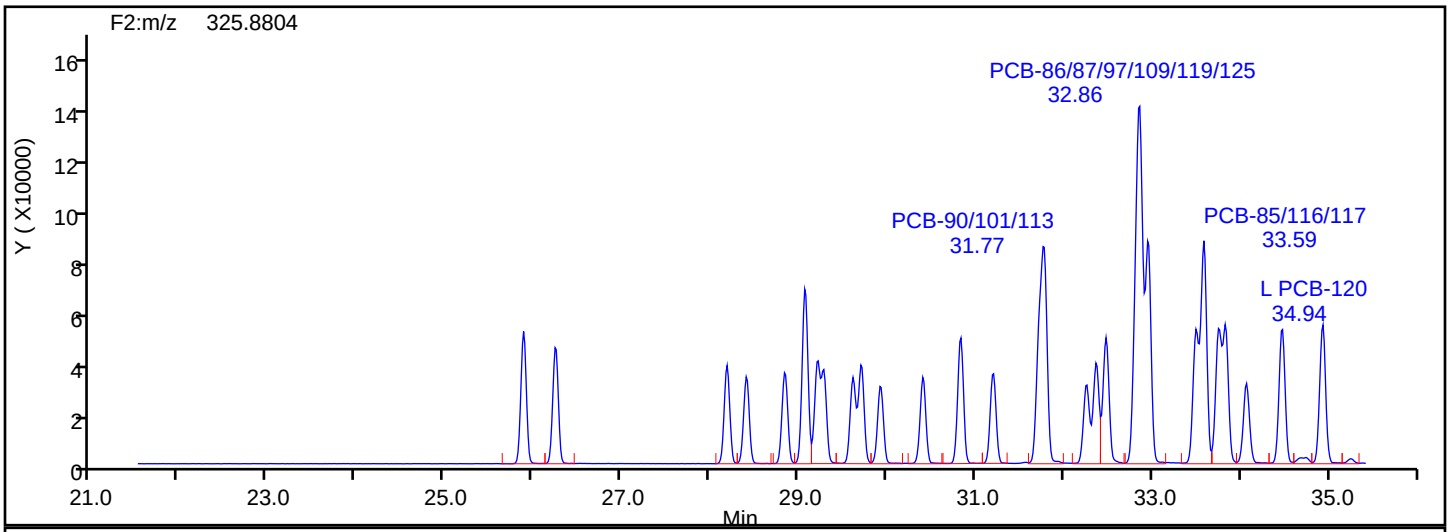


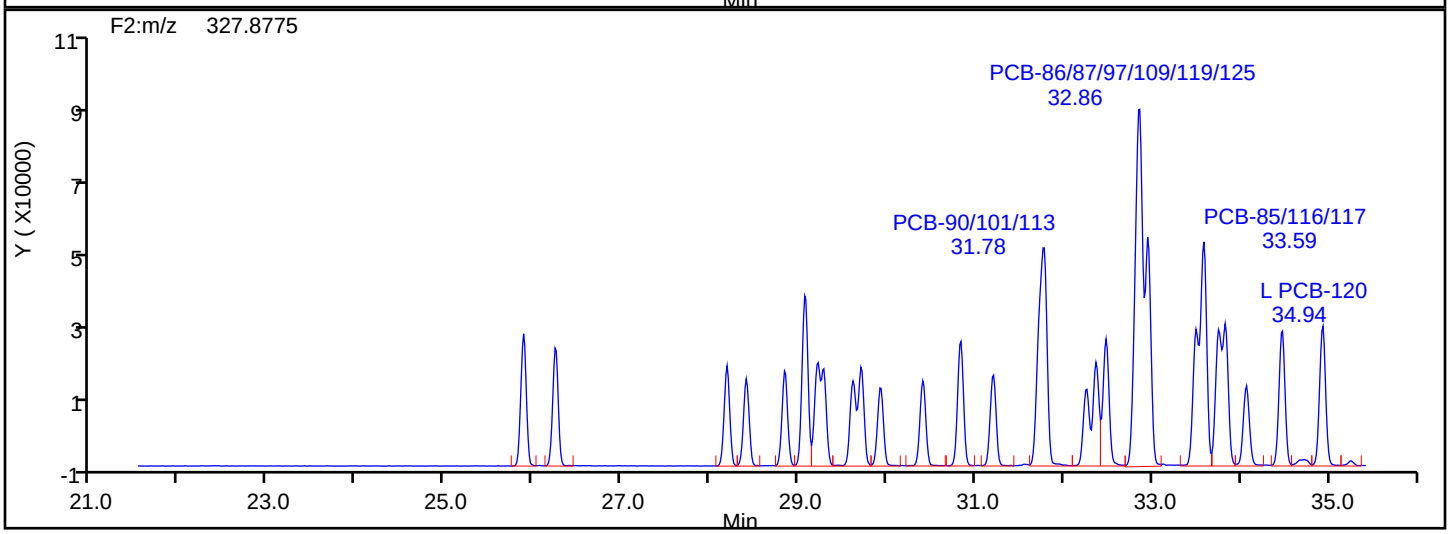



Eurofins TestAmerica, Knoxville

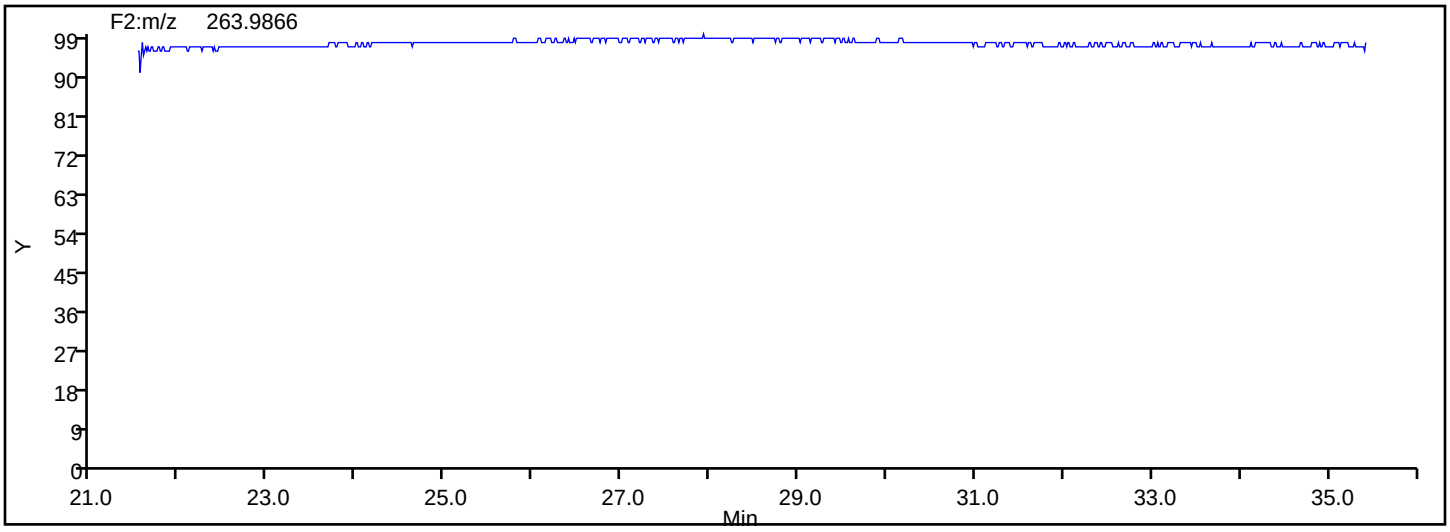
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

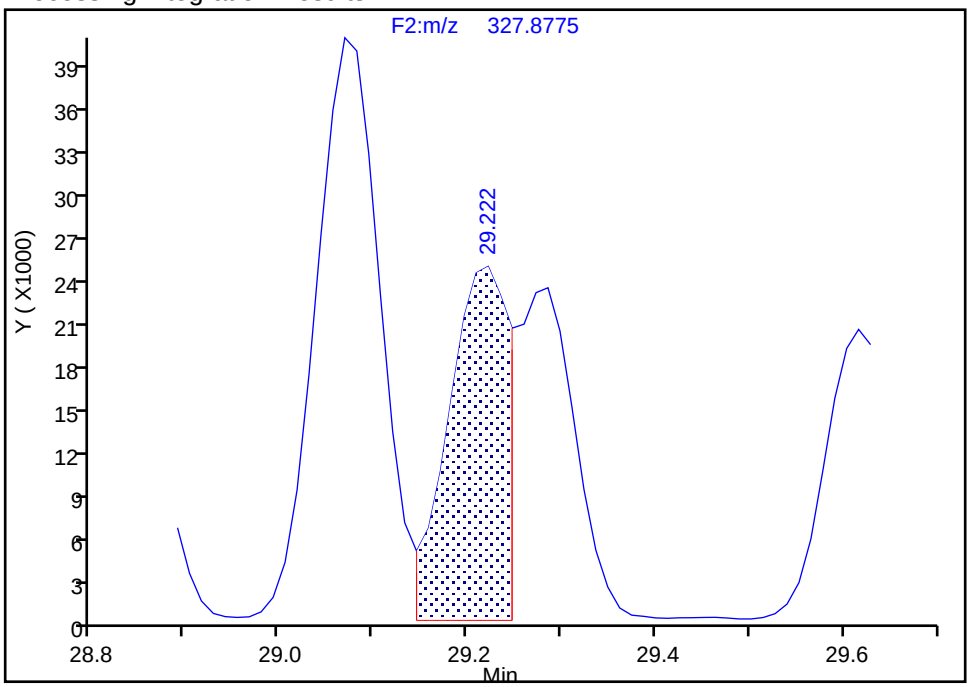
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 2

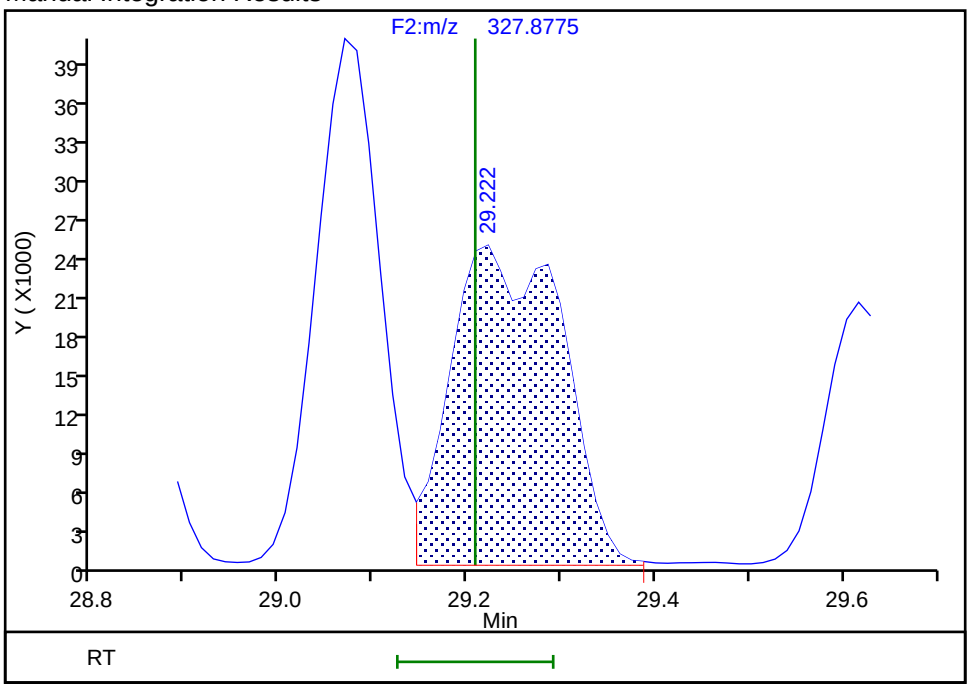
Processing Integration Results

RT: 29.22
Area: 104692
Amount: 53.064120
Amount Units: pg/ul




Manual Integration Results

RT: 29.22
Area: 203210
Amount: 103.4675
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:03:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

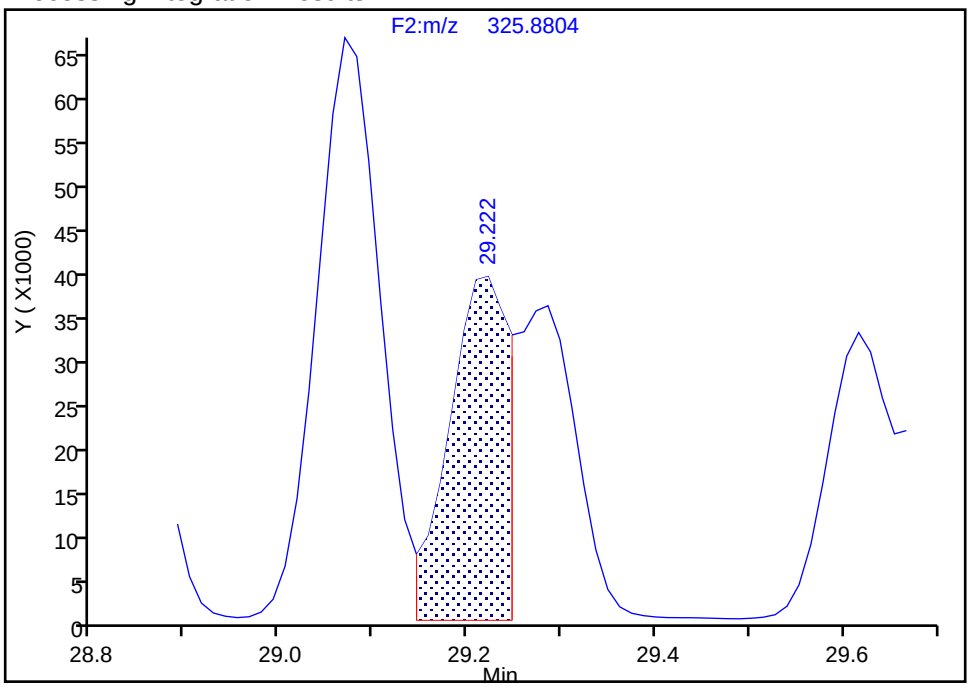
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

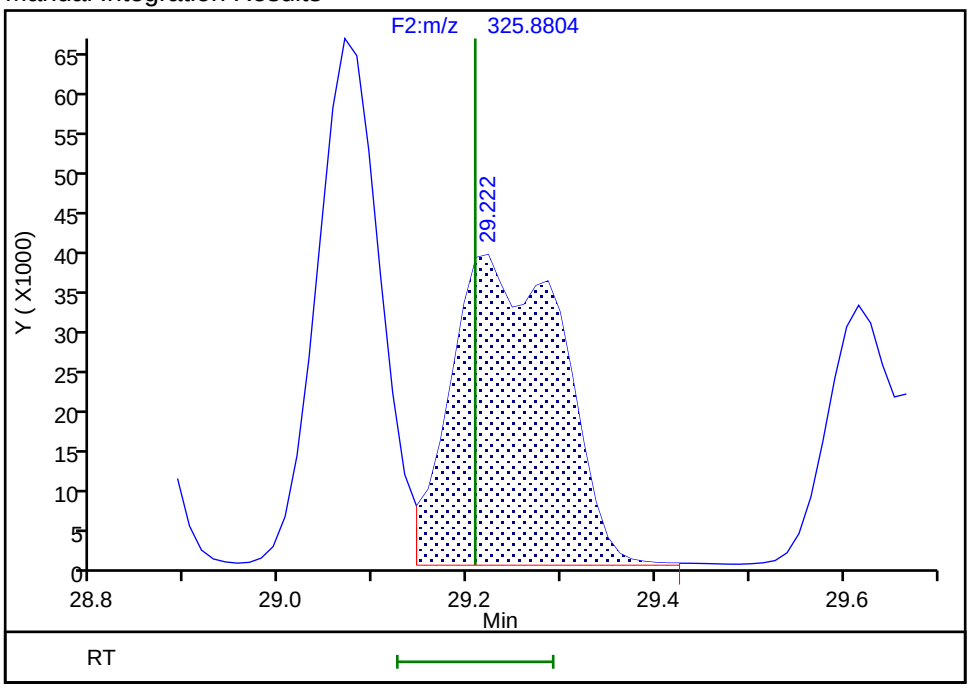
Processing Integration Results

RT: 29.22
Area: 165202
Amount: 53.064120
Amount Units: pg/ul




Manual Integration Results

RT: 29.22
Area: 323045
Amount: 103.4675
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:03:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

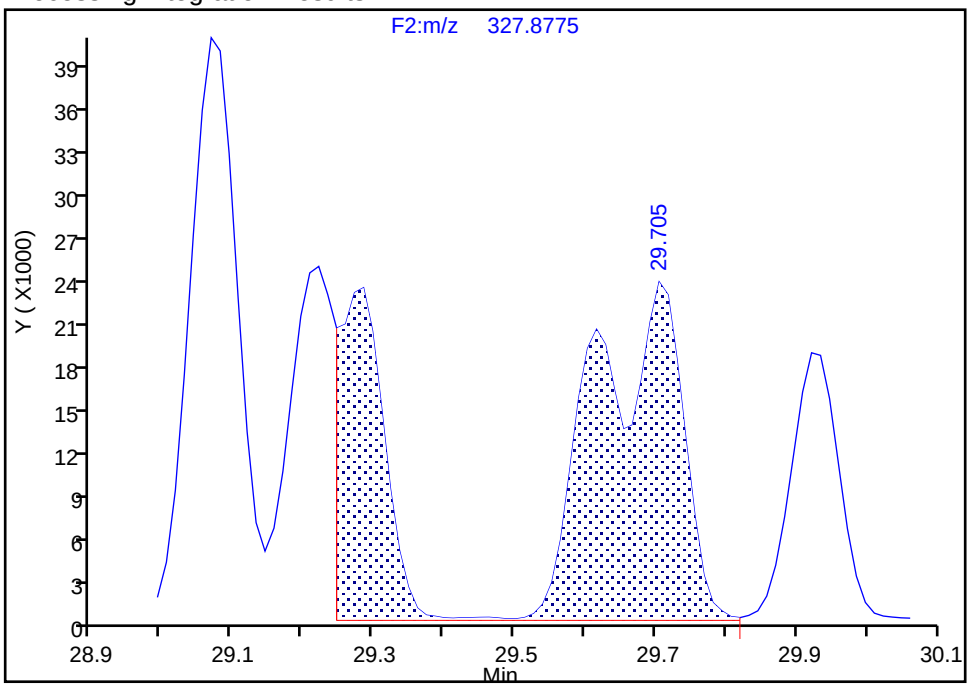
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 2

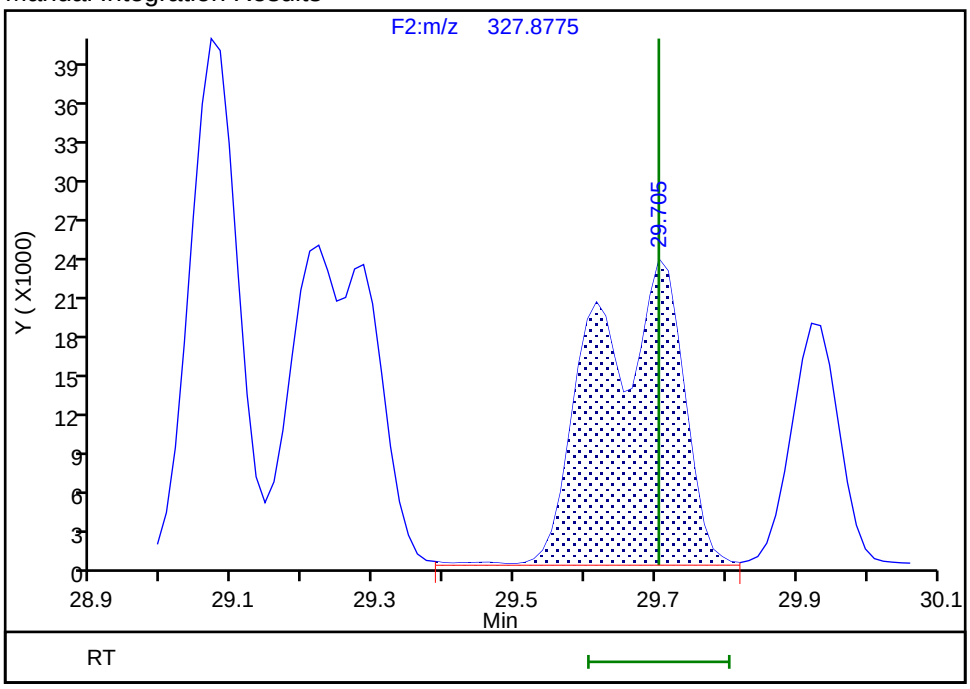
Processing Integration Results

RT: 29.71
Area: 299941
Amount: 151.2153
Amount Units: pg/ul




Manual Integration Results

RT: 29.71
Area: 201642
Amount: 101.3895
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:03:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

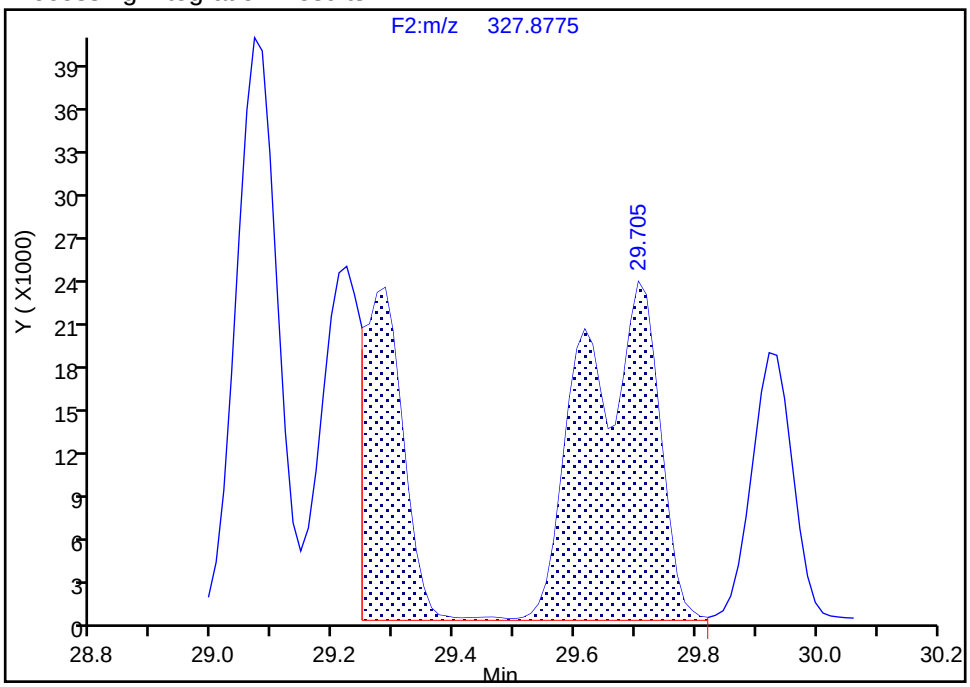
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 3

Processing Integration Results

RT: 29.71
Area: 781879
Amount: 151.2153
Amount Units: pg/ul




Manual Integration Results

RT: 29.71
Area: 524248
Amount: 101.3895
Amount Units: pg/ul
Reviewer: davidsonm, 24-Sep-2019 15:03:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

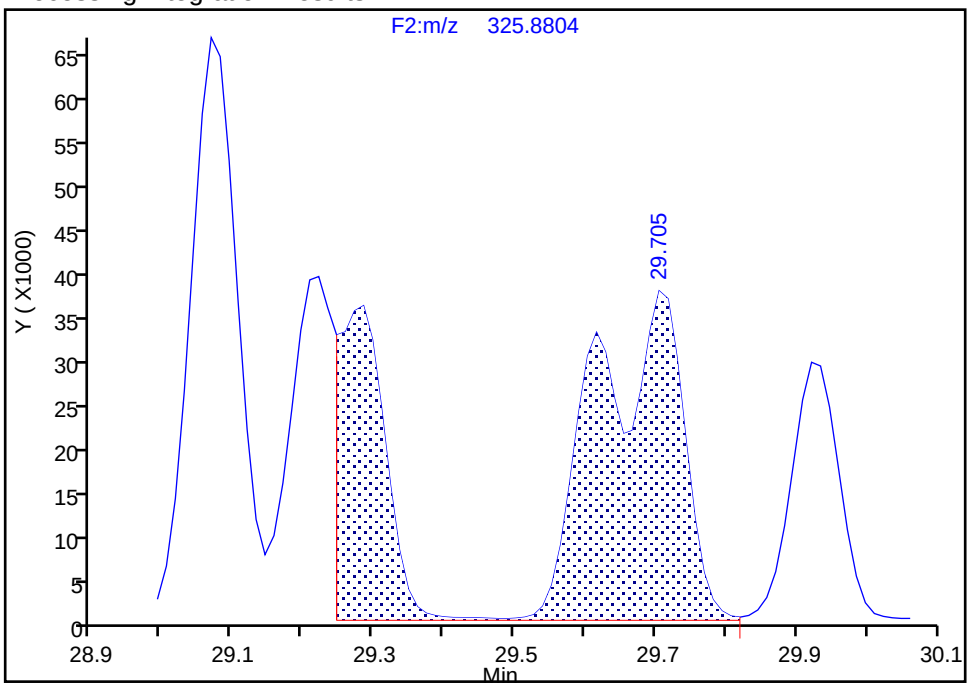
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

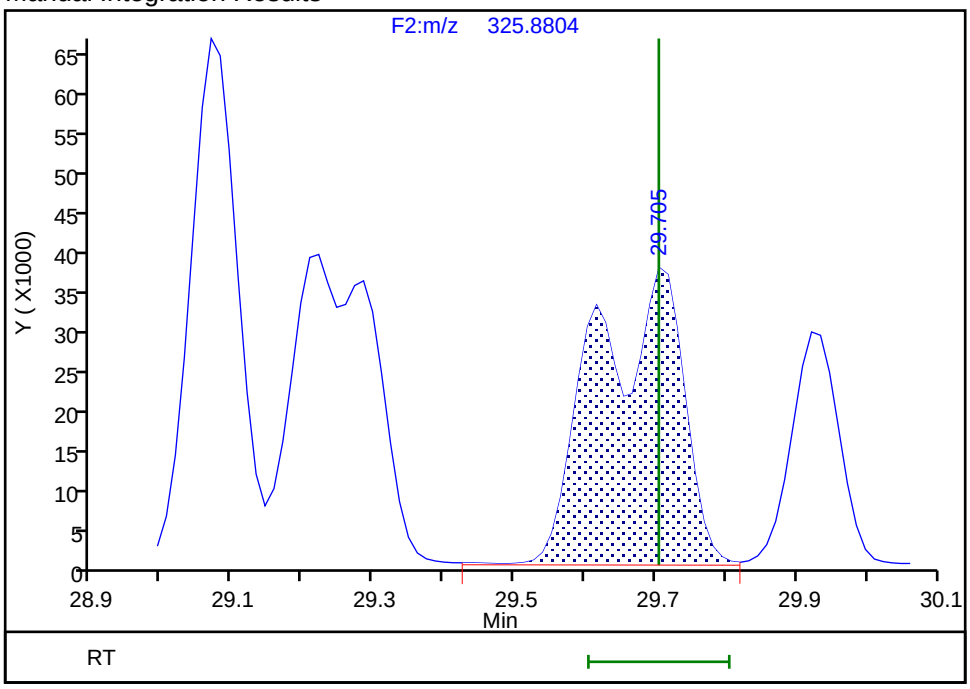
Processing Integration Results

RT: 29.71
Area: 481938
Amount: 151.2153
Amount Units: pg/ul




Manual Integration Results

RT: 29.71
Area: 322606
Amount: 101.3895
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:03:50

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

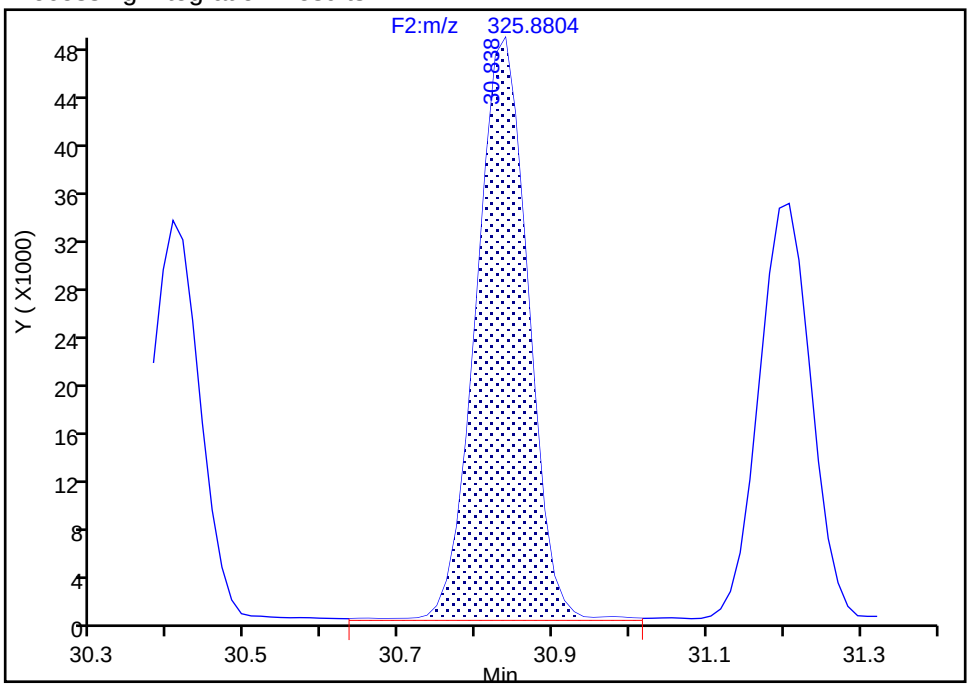
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-121, CAS: 56558-18-0

Signal: 1

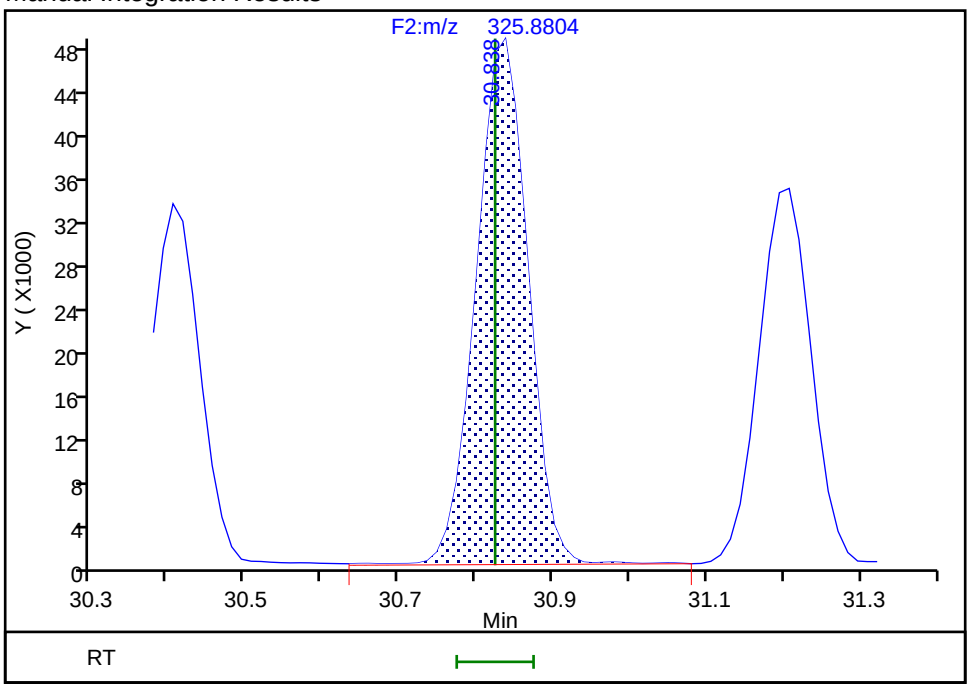
Processing Integration Results

RT: 30.84
Area: 225729
Amount: 50.832698
Amount Units: pg/ul




Manual Integration Results

RT: 30.84
Area: 224577
Amount: 50.672395
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:04:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

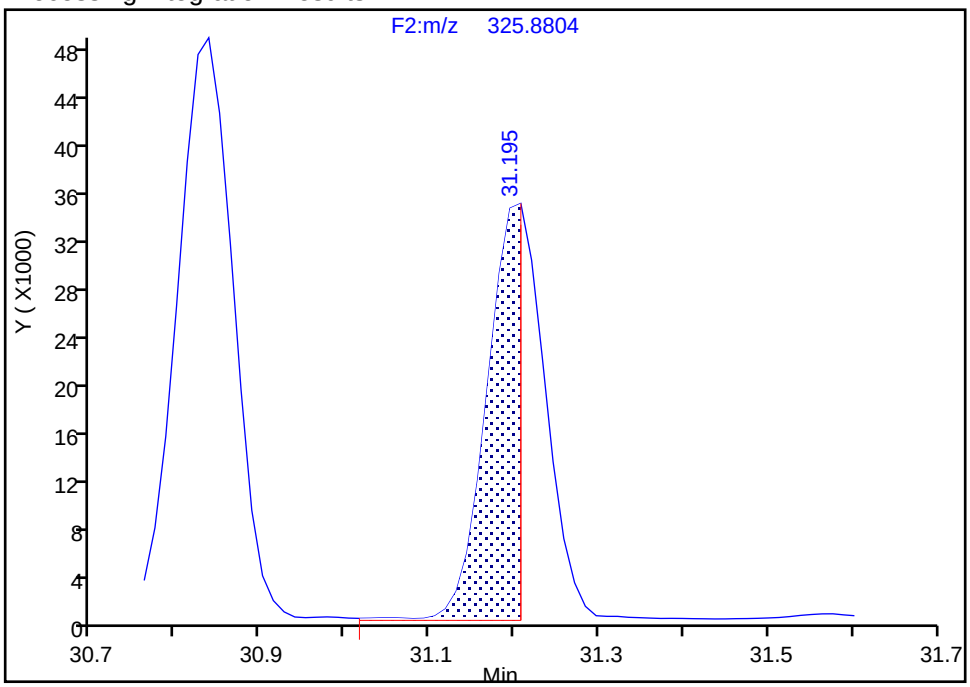
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-92, CAS: 52663-61-3

Signal: 1

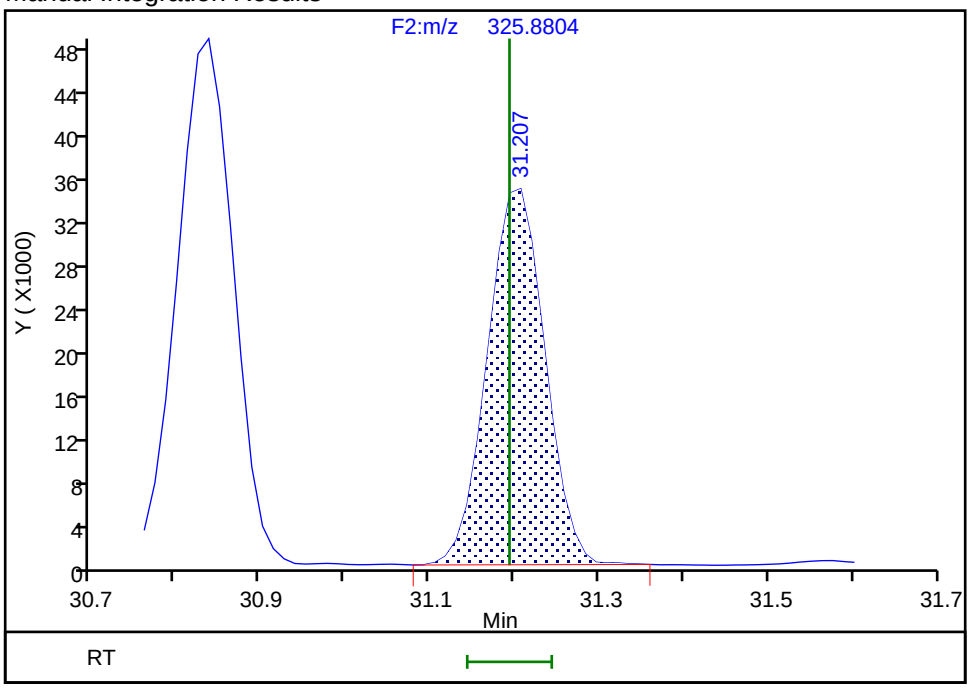
Processing Integration Results

RT: 31.19
Area: 93264
Amount: 40.078237
Amount Units: pg/ul




Manual Integration Results

RT: 31.21
Area: 161641
Amount: 54.024088
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:04:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

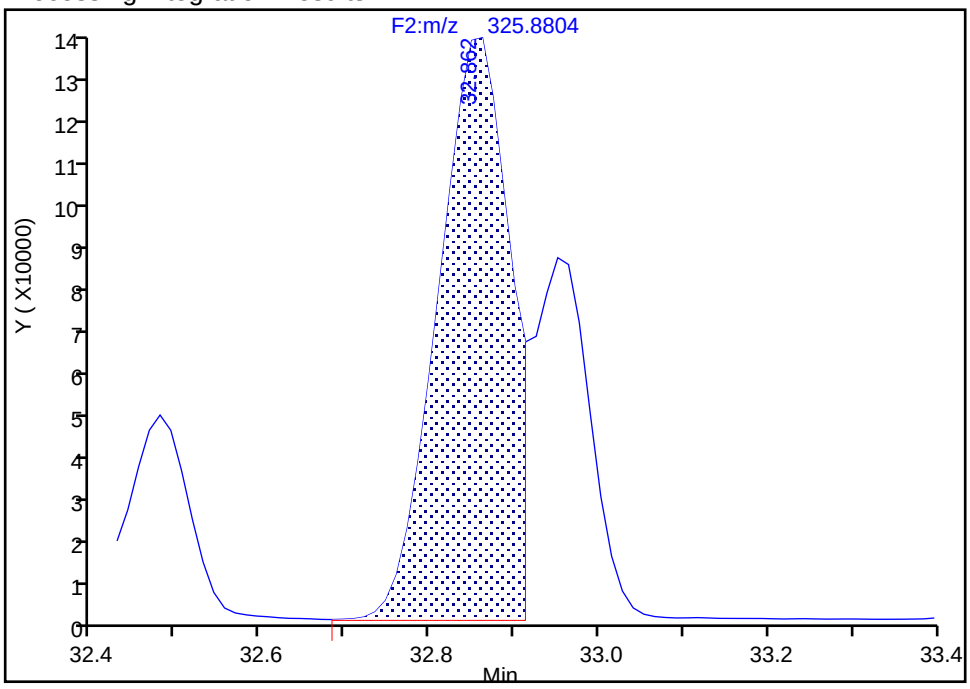
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

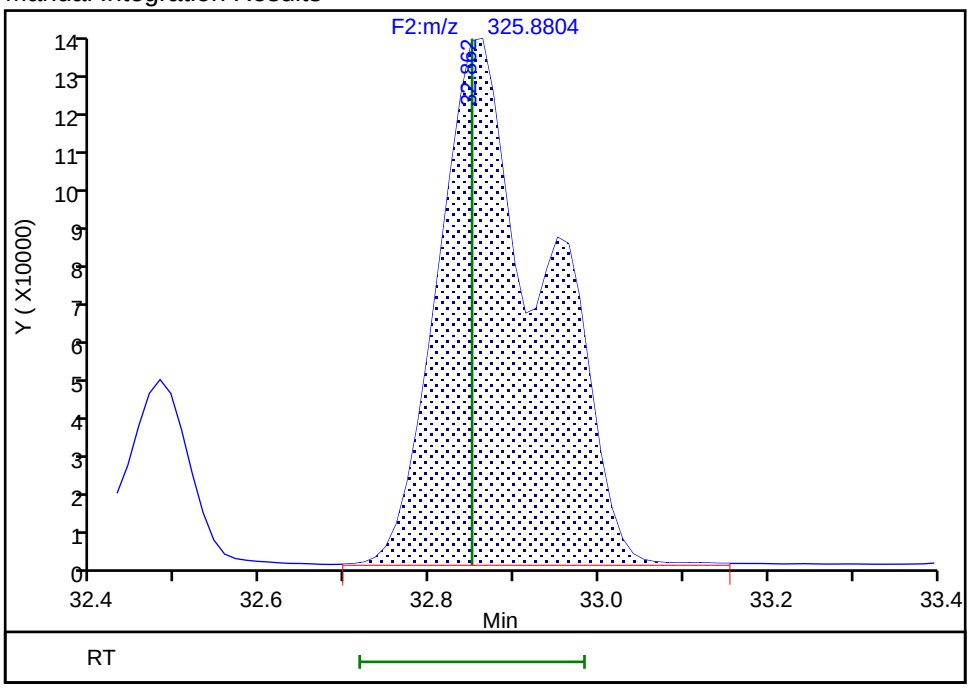
Processing Integration Results

RT: 32.86
Area: 794544
Amount: 209.5238
Amount Units: pg/ul




Manual Integration Results

RT: 32.86
Area: 1193997
Amount: 315.2467
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:04:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

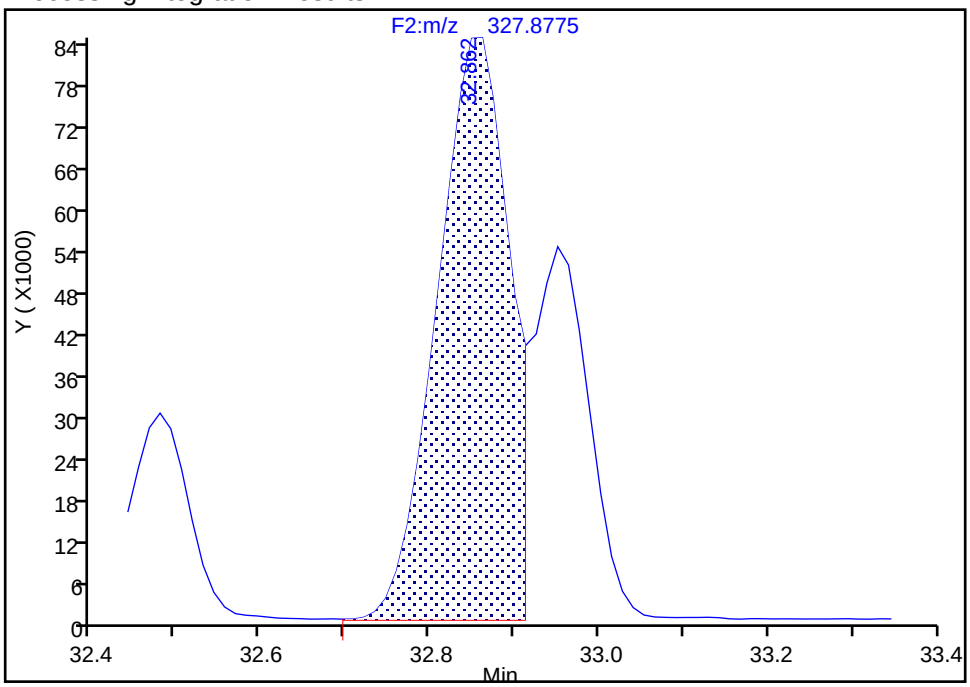
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

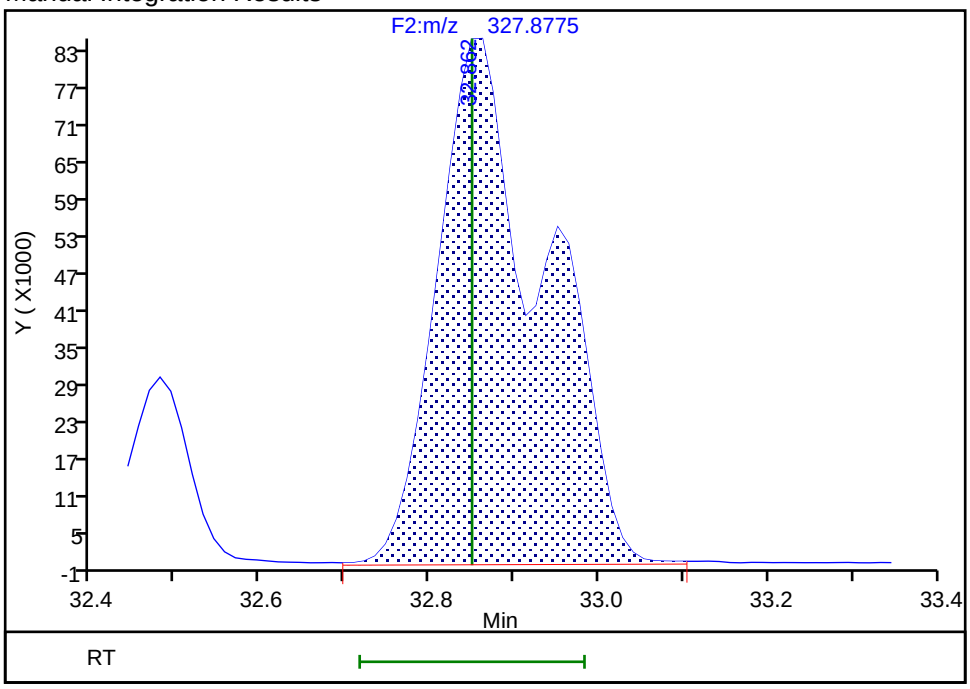
Processing Integration Results

RT: 32.86
Area: 494185
Amount: 209.5238
Amount Units: pg/ul




Manual Integration Results

RT: 32.86
Area: 745007
Amount: 315.2467
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:04:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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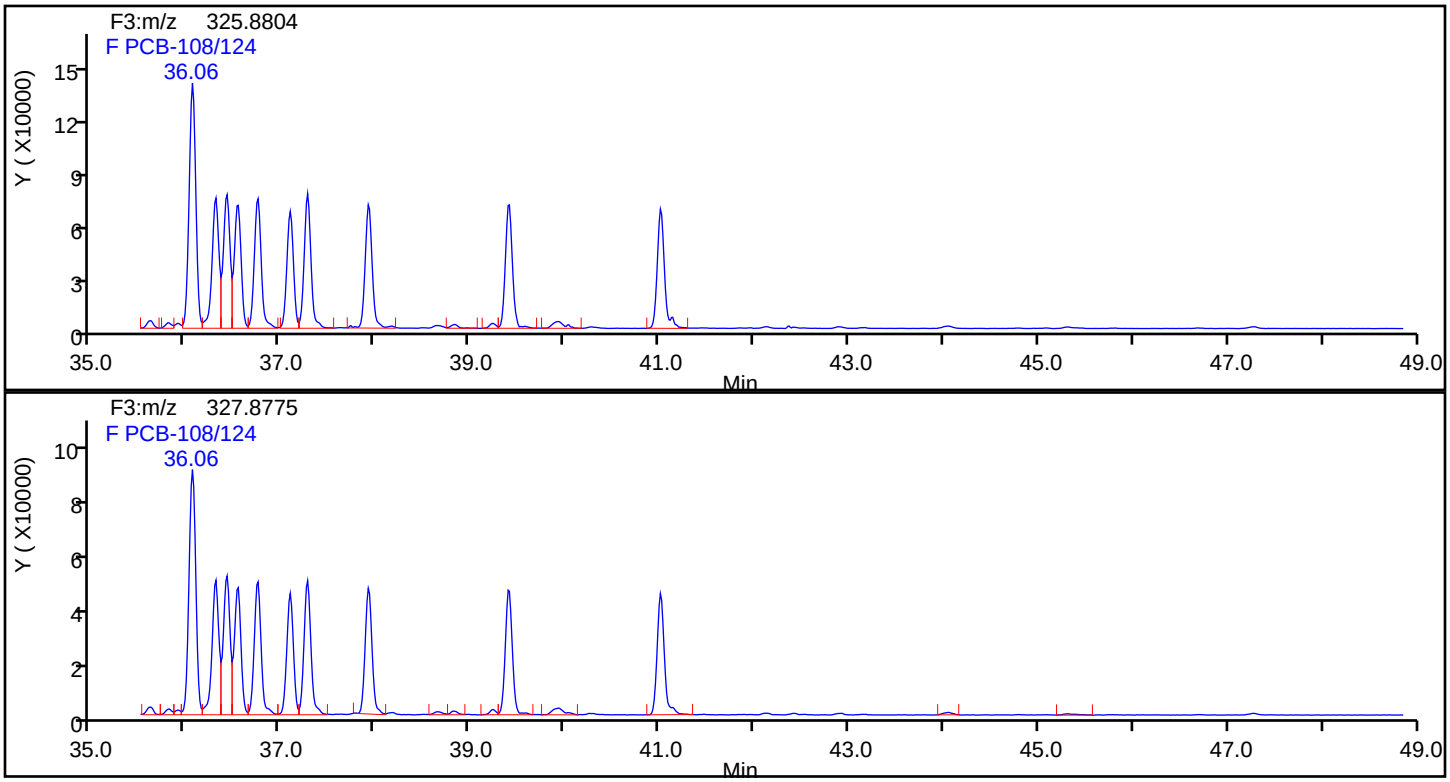
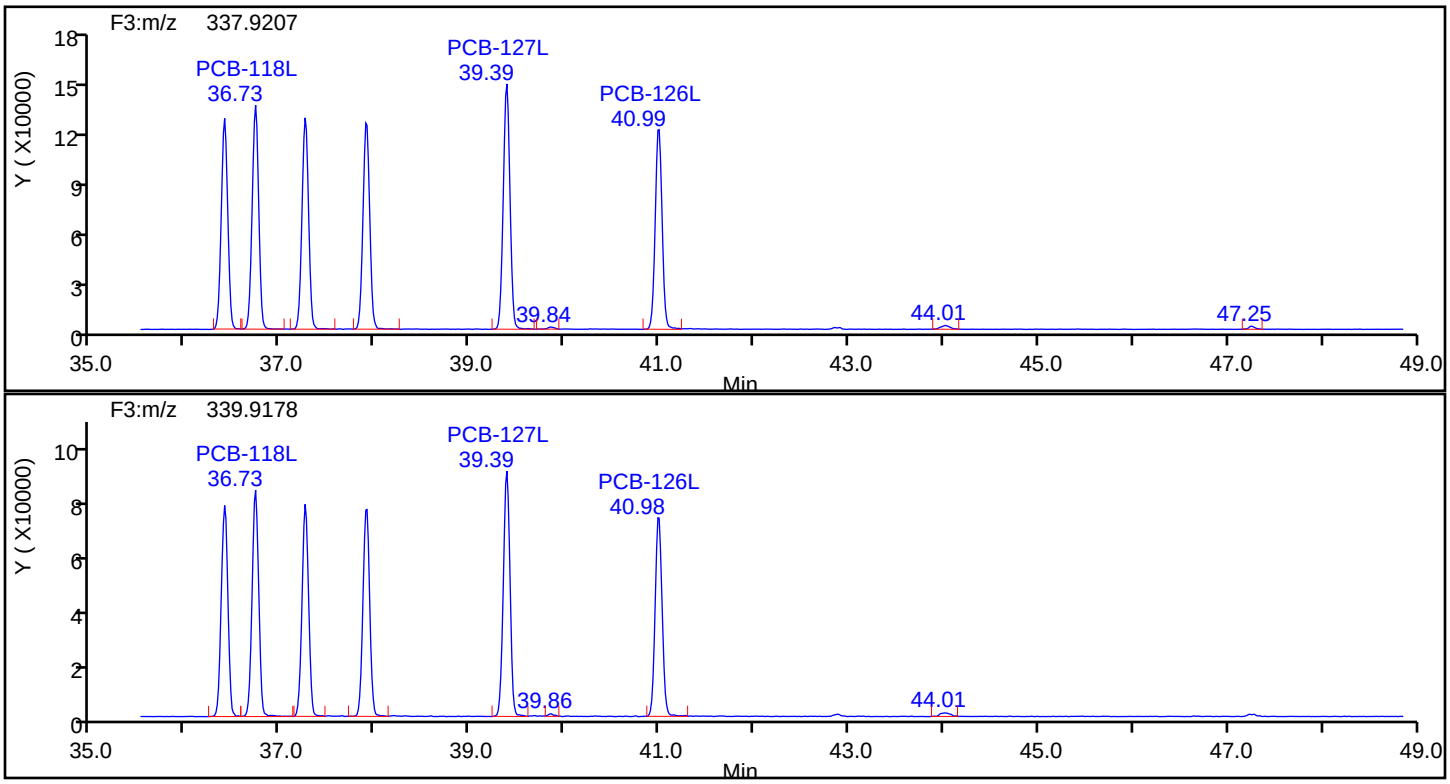
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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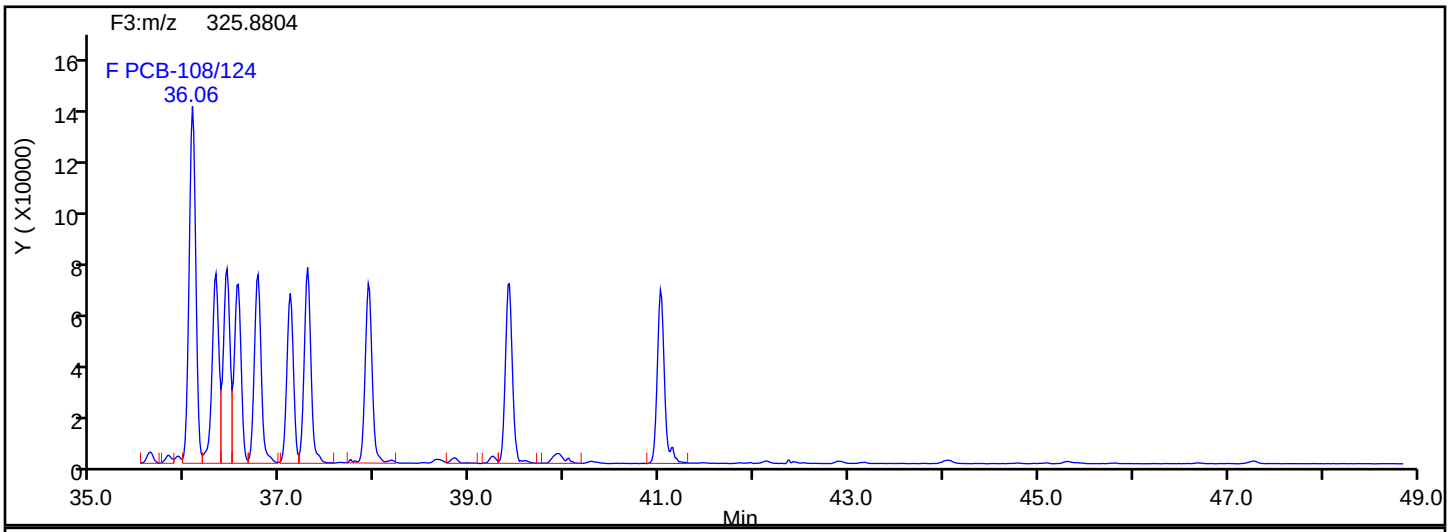
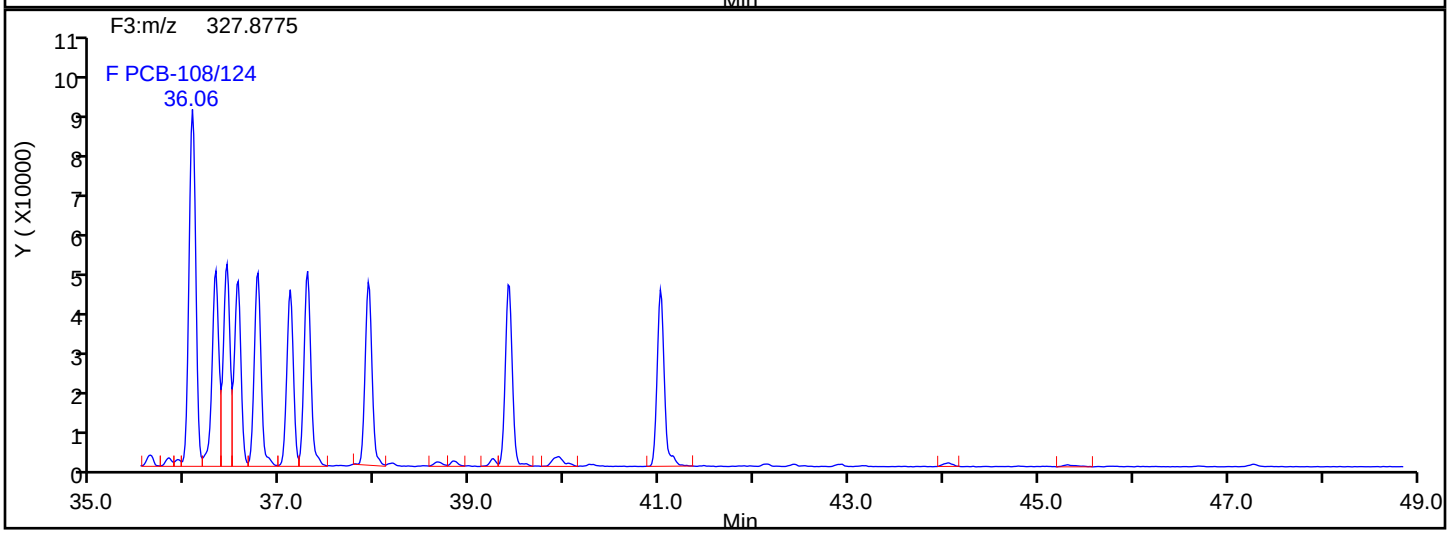
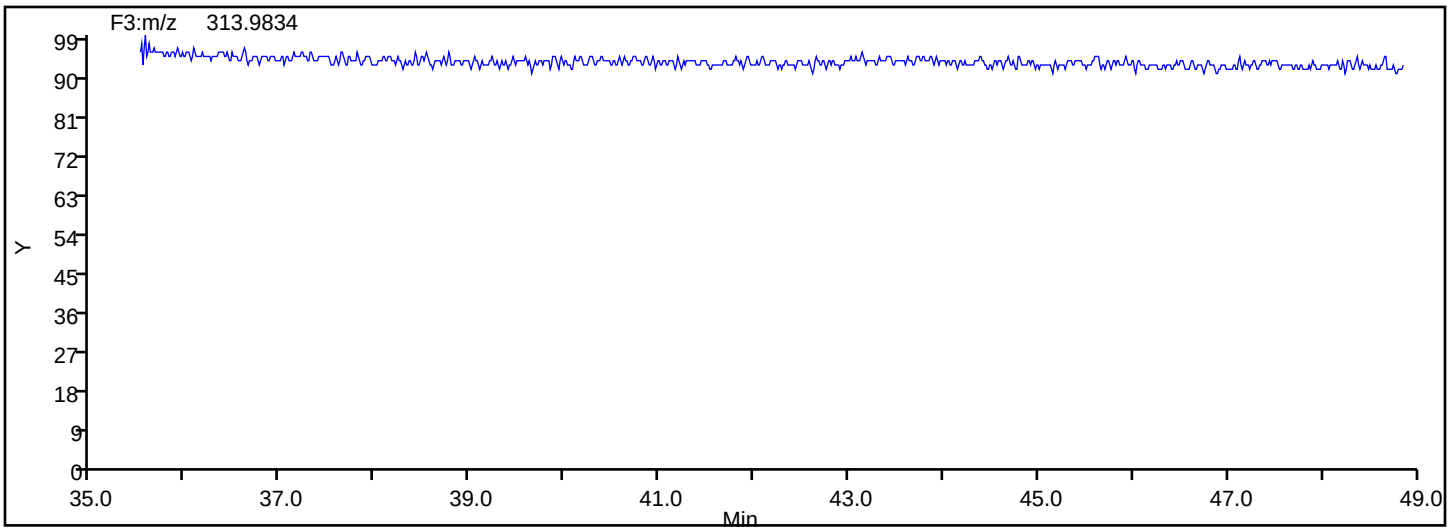
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



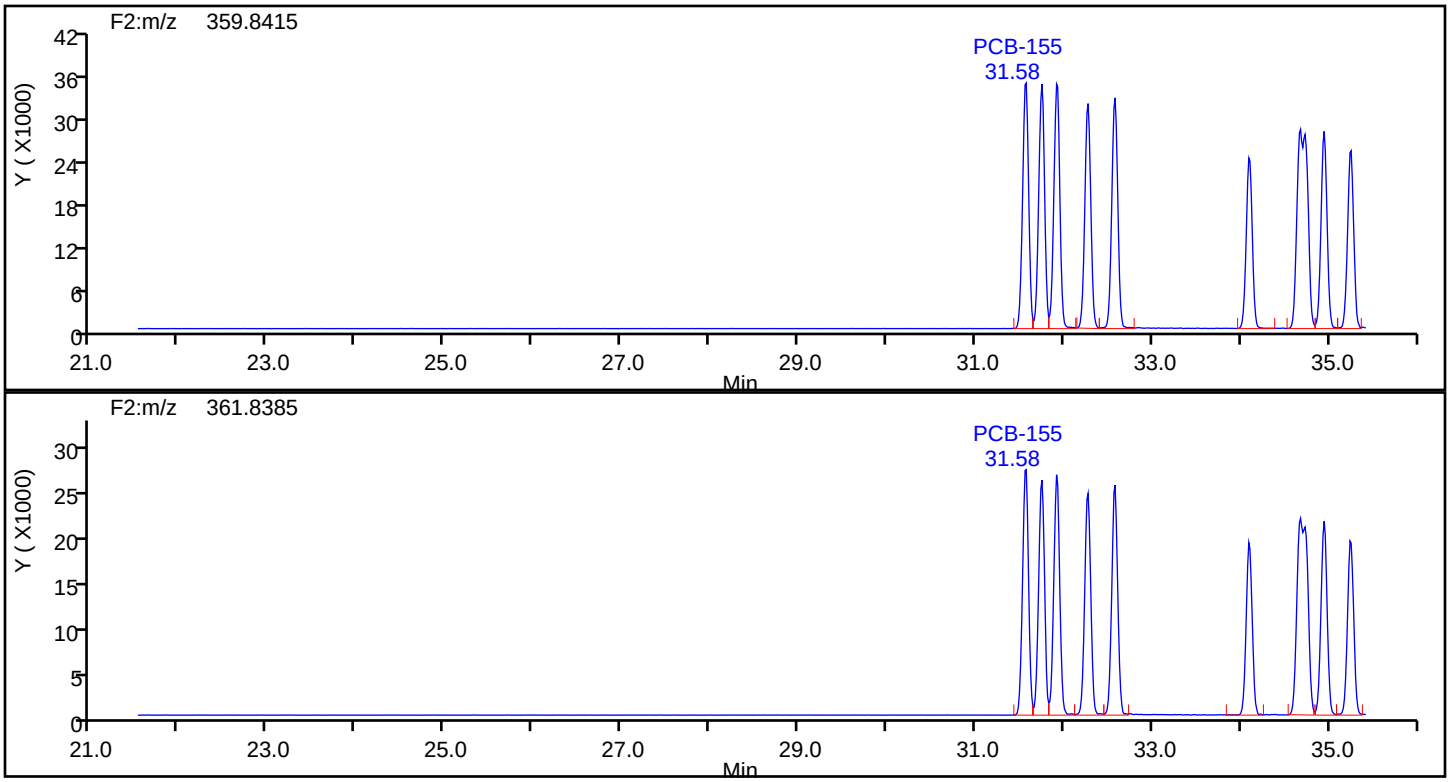

PePCB F3 Lock Mass



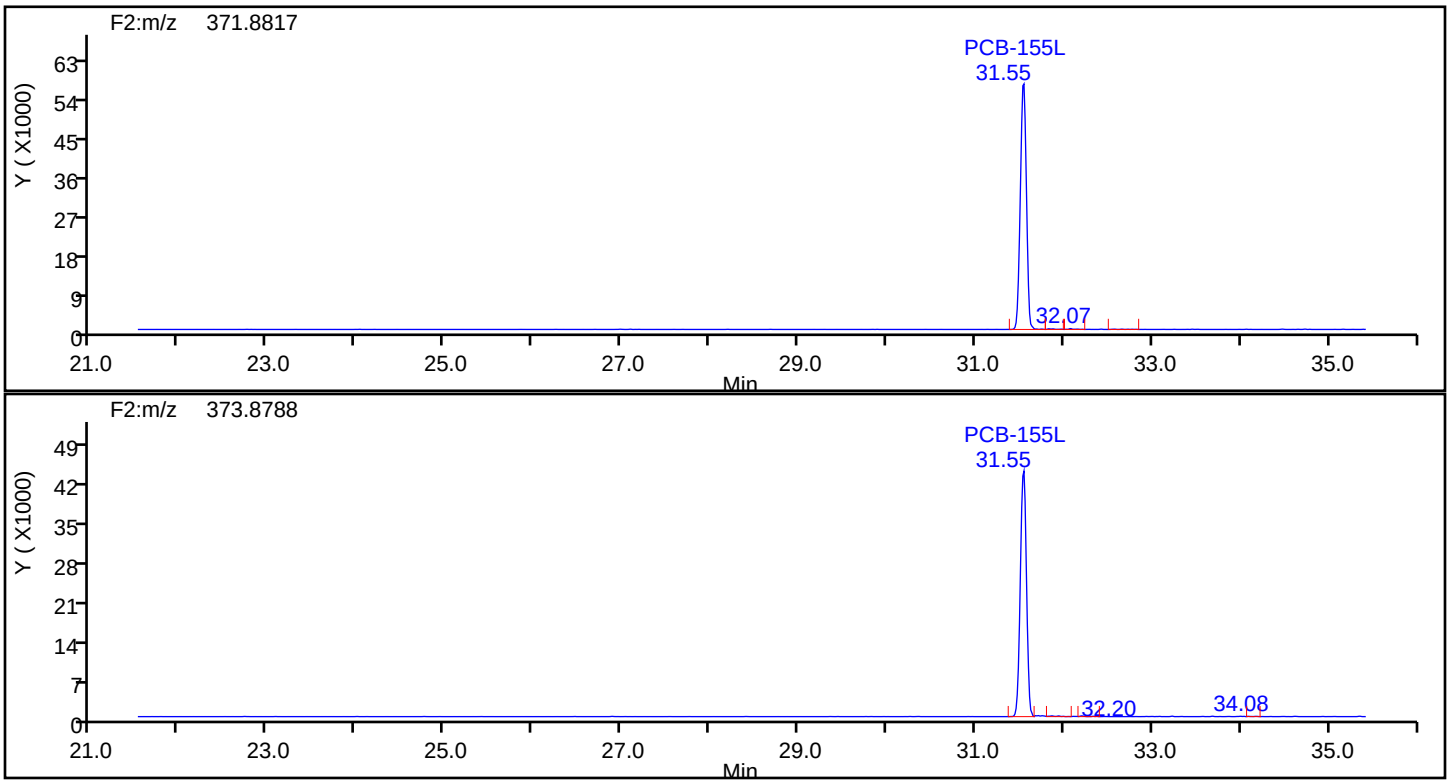
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



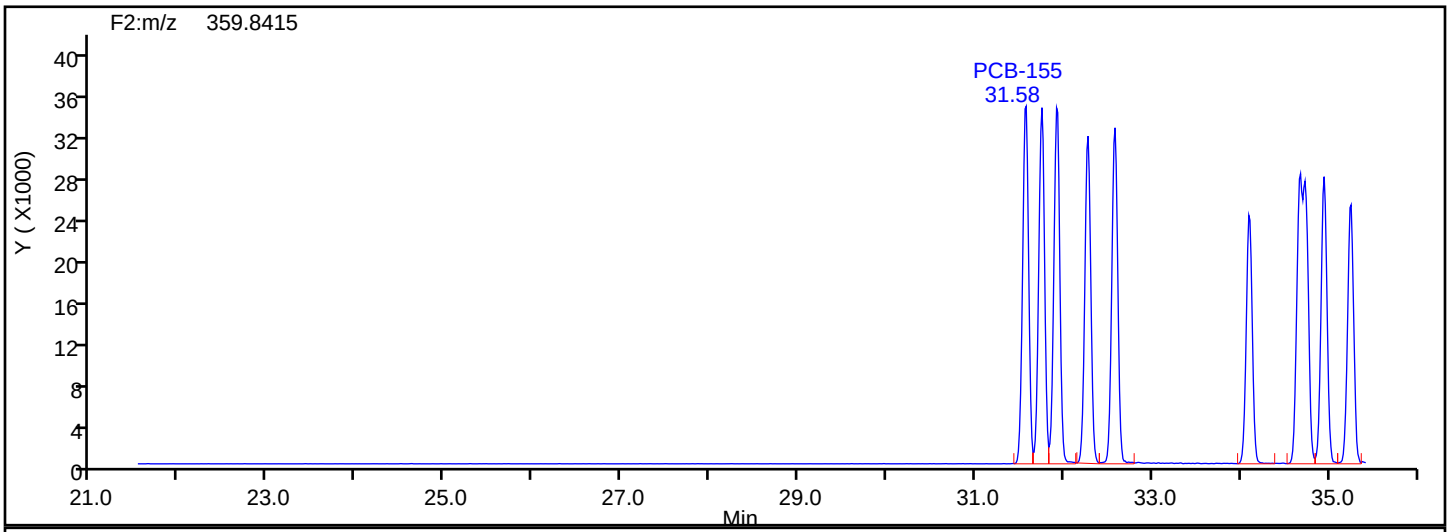

HxPCB F2 Standards

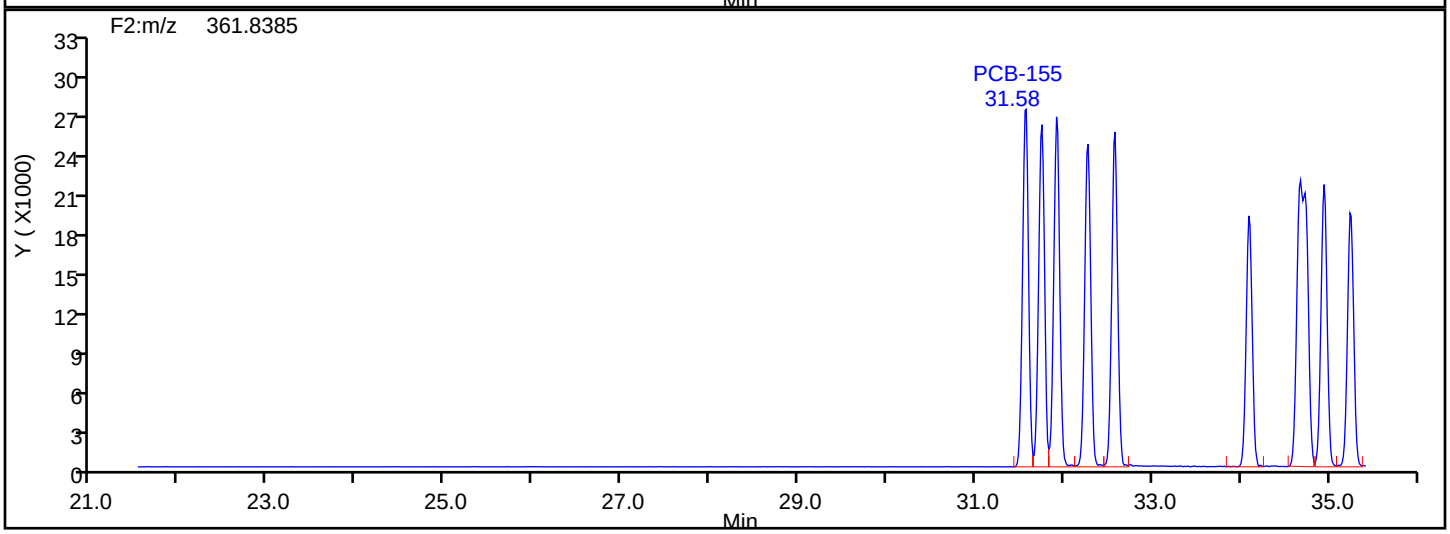


Eurofins TestAmerica, Knoxville

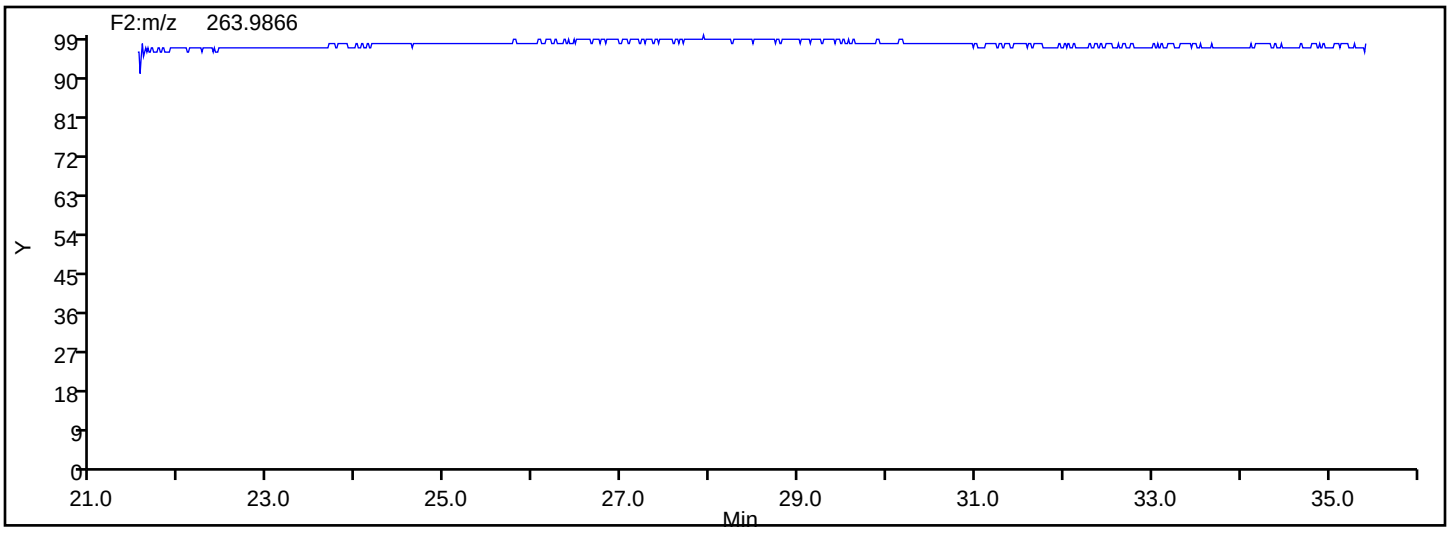
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

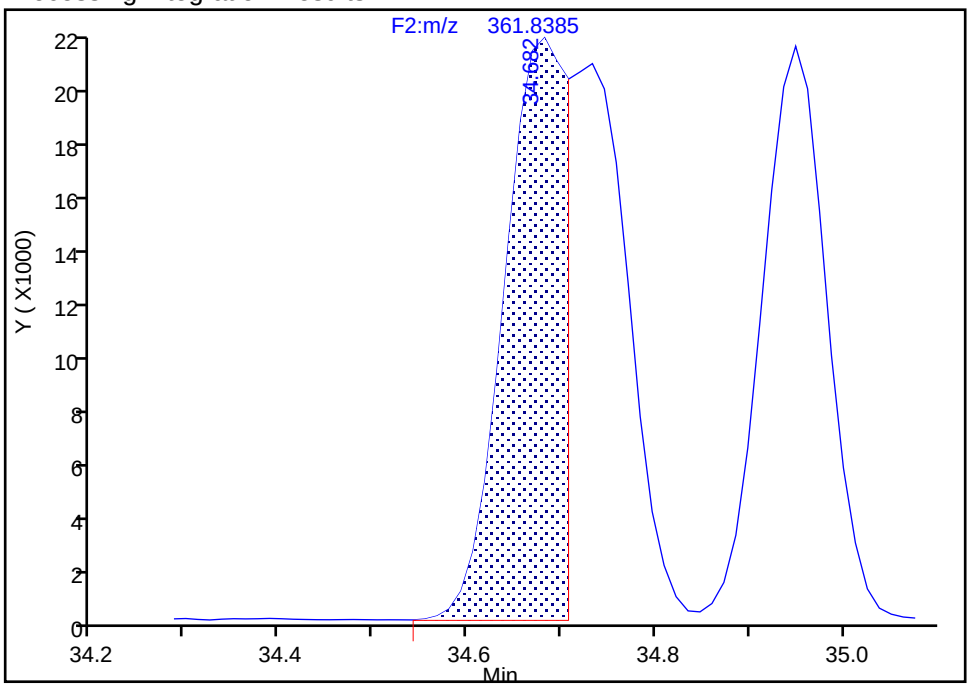
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 2

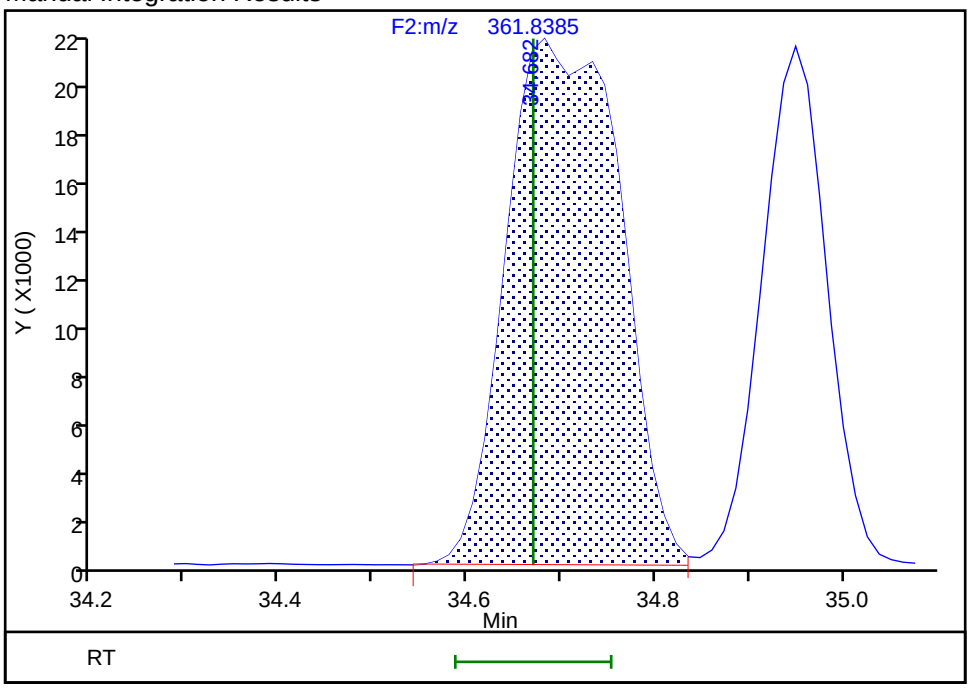
Processing Integration Results

RT: 34.68
Area: 95774
Amount: 51.395708
Amount Units: pg/ul




Manual Integration Results

RT: 34.68
Area: 183340
Amount: 99.069908
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:05:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

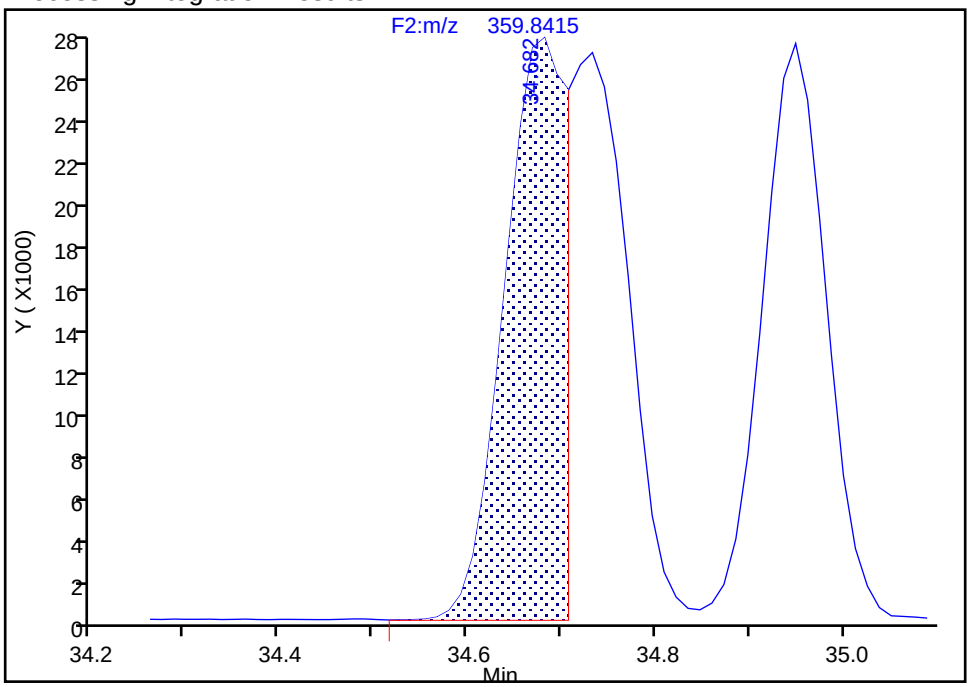
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 1

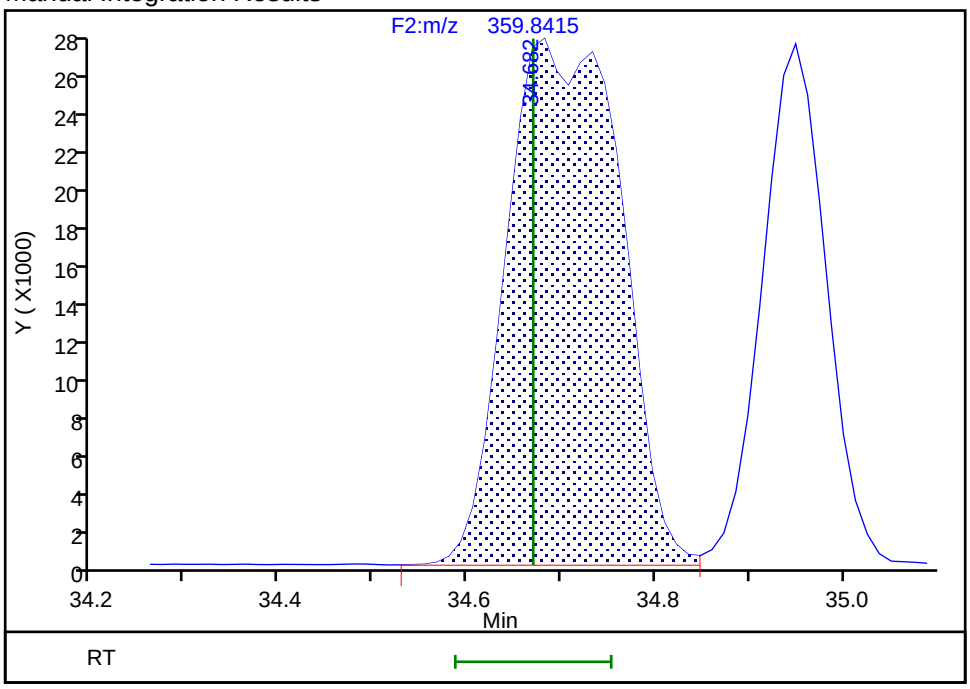
Processing Integration Results

RT: 34.68
Area: 121202
Amount: 51.395708
Amount Units: pg/ul




Manual Integration Results

RT: 34.68
Area: 234901
Amount: 99.069908
Amount Units: pg/ul



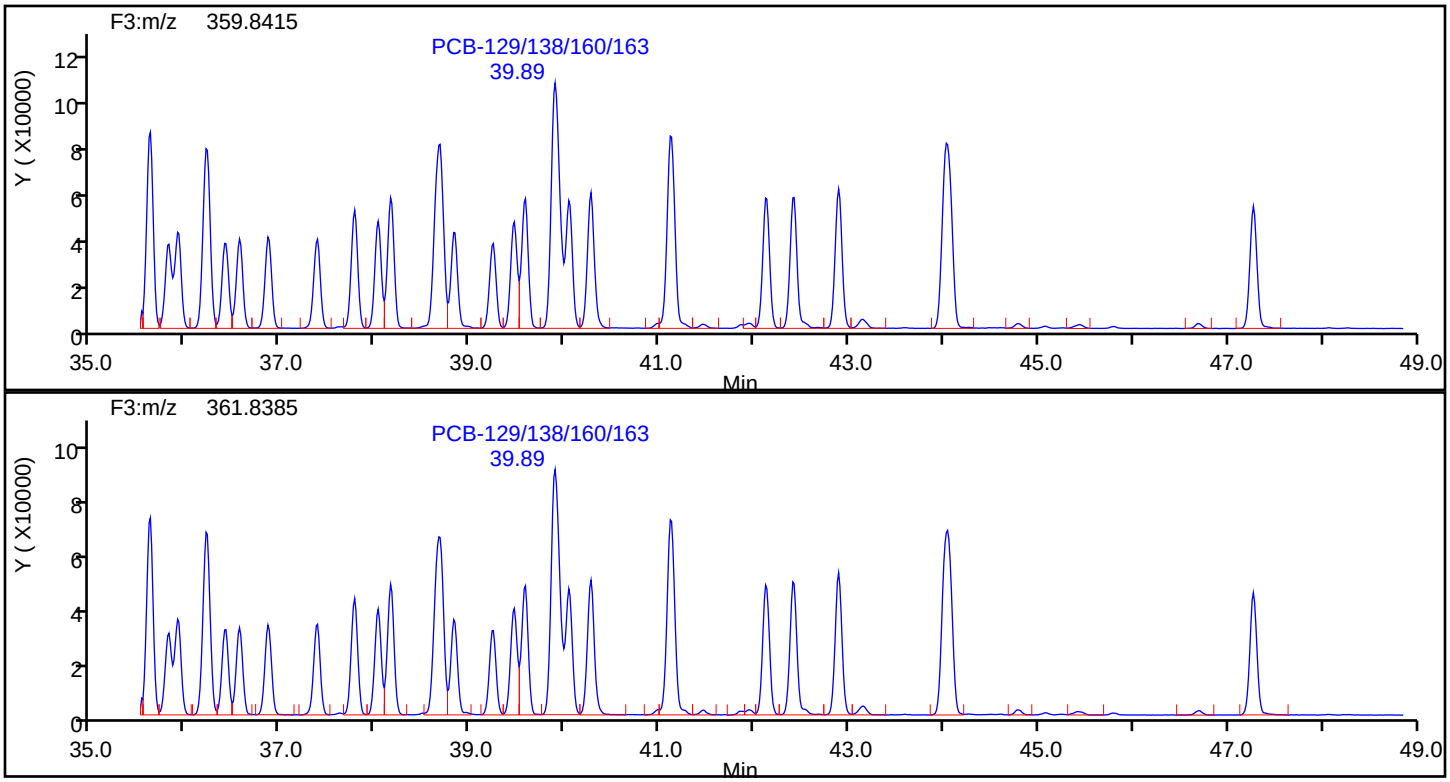

Reviewer: davidsonm, 24-Sep-2019 15:05:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

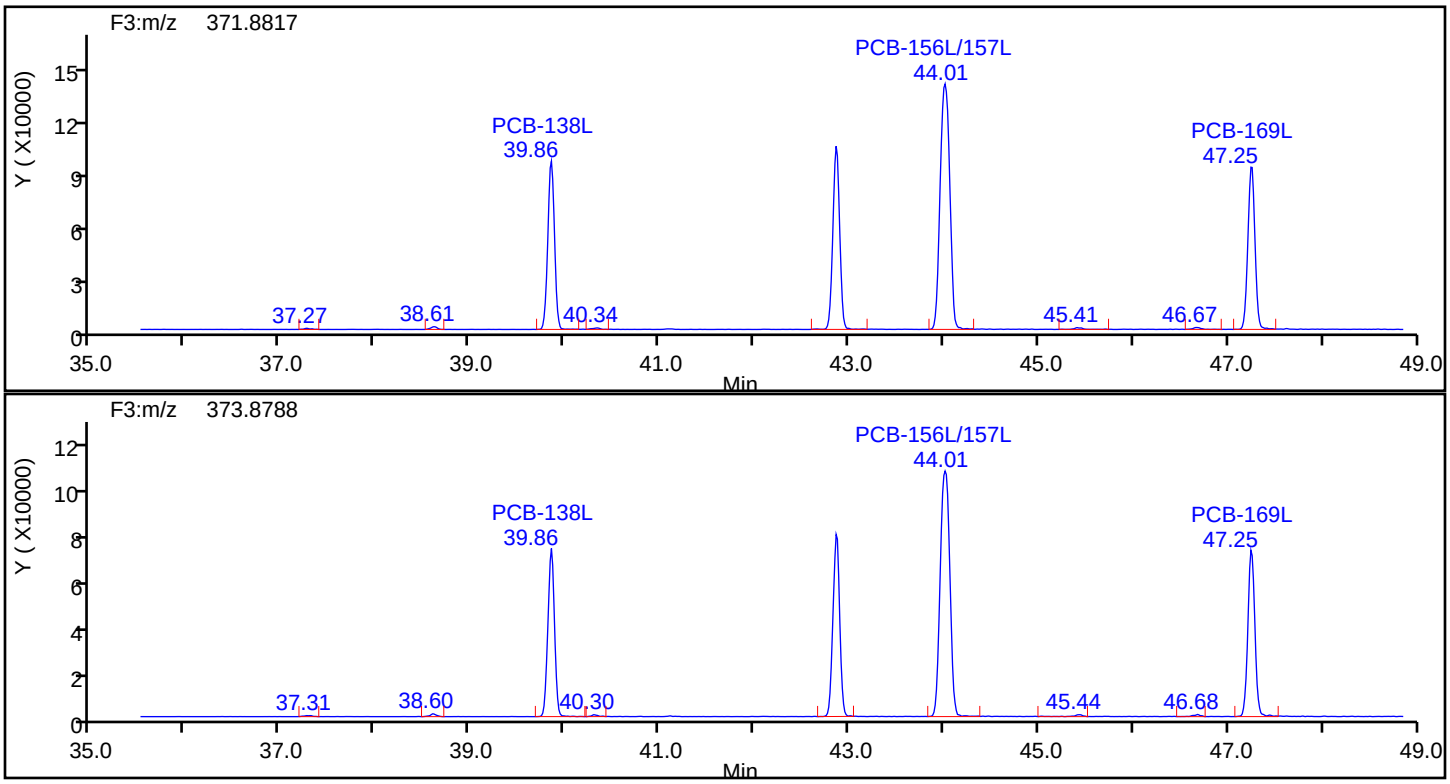
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



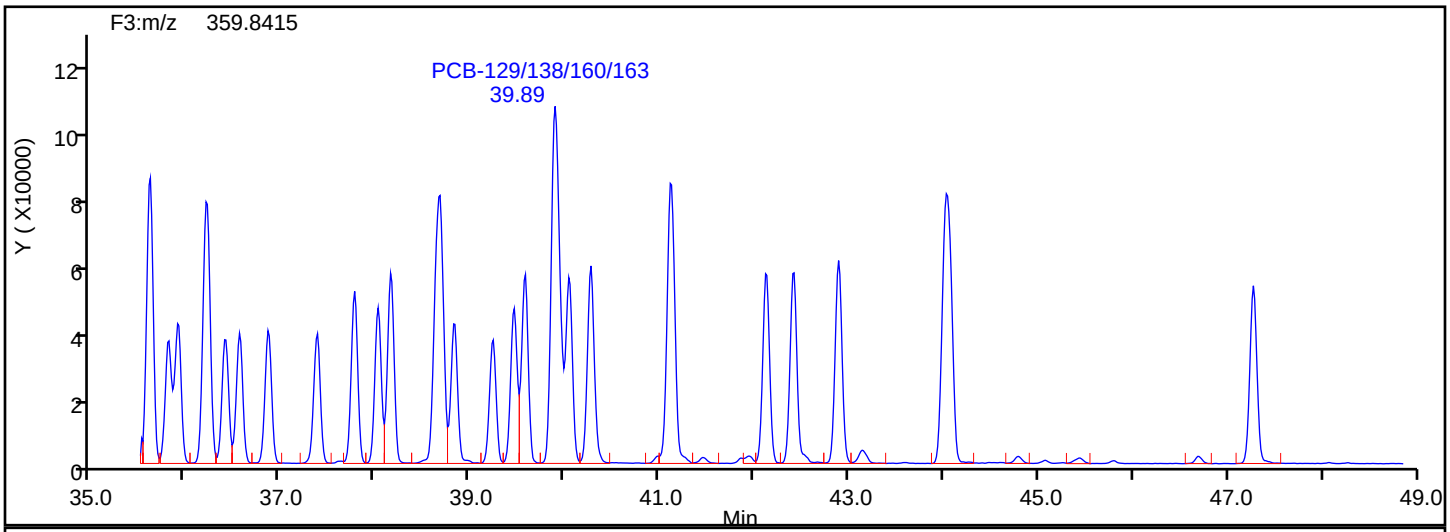

HxPCB F3 Standards

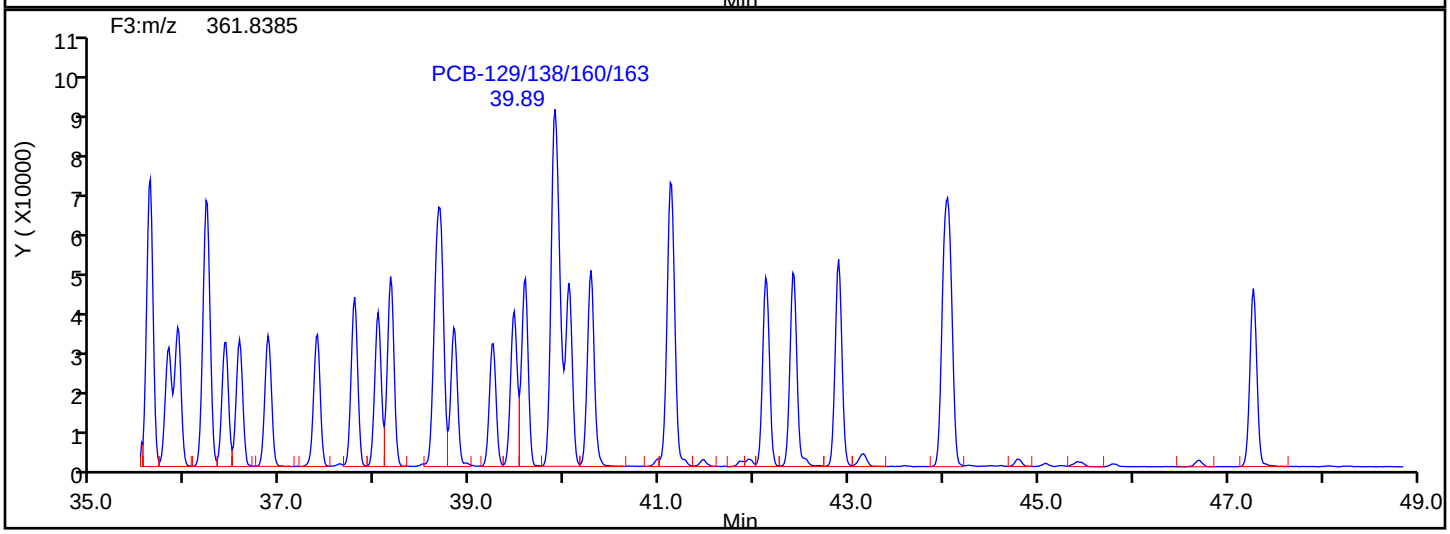


Eurofins TestAmerica, Knoxville

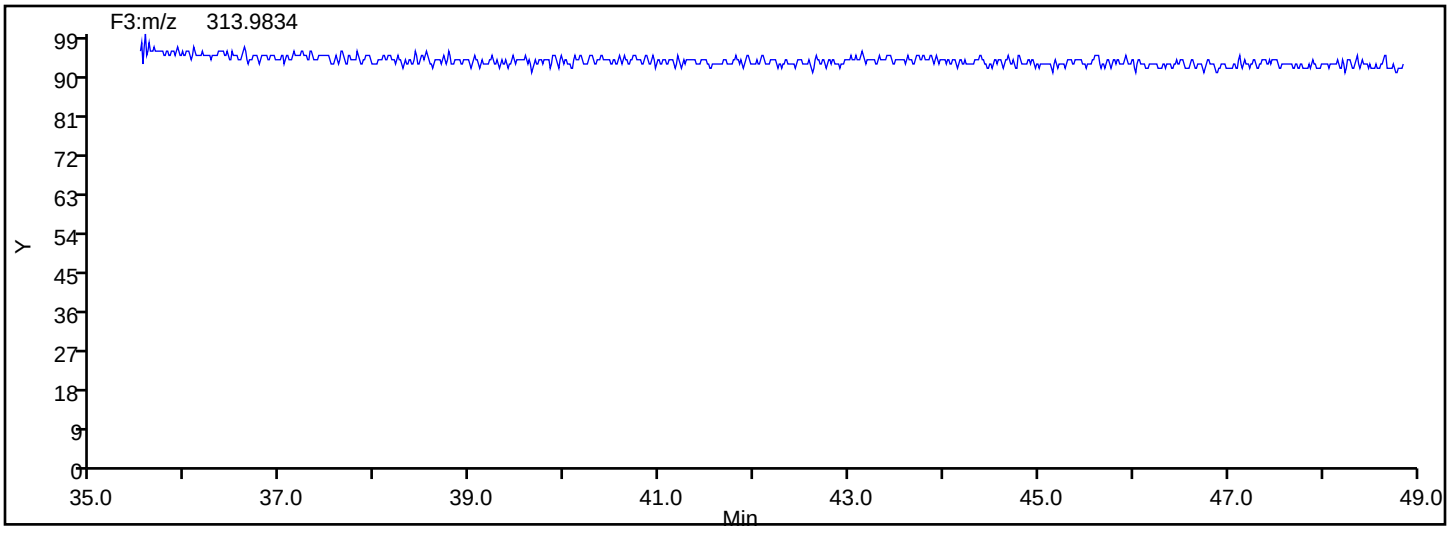
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

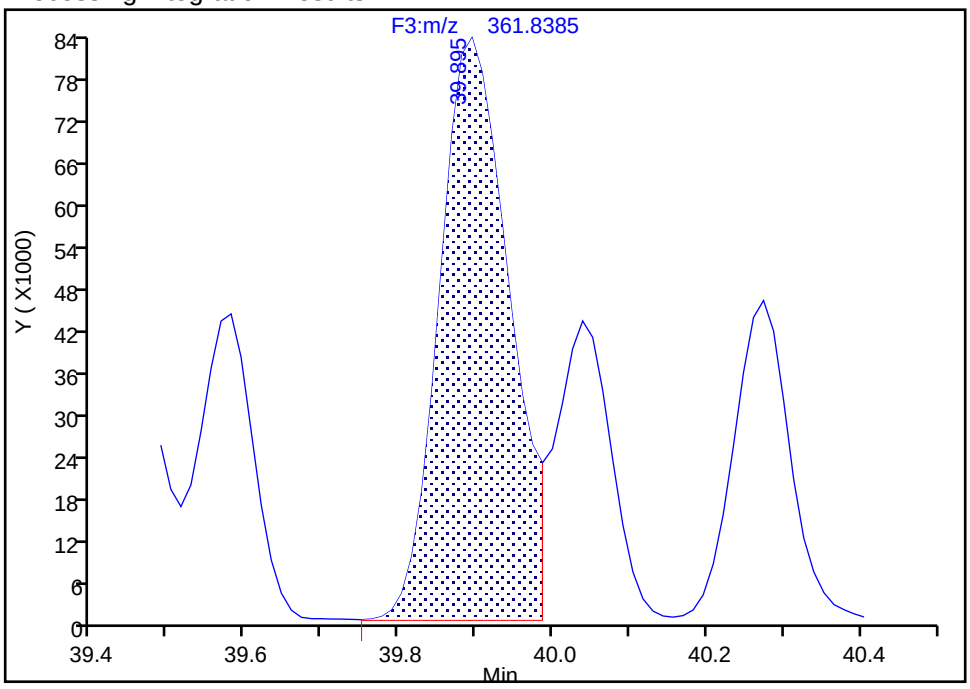
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

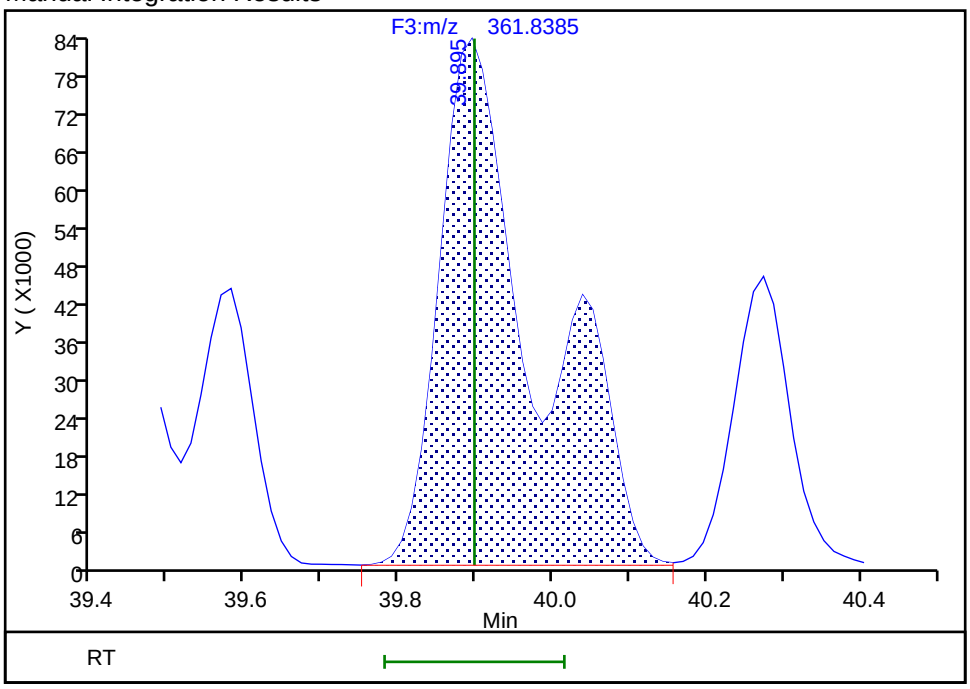
Processing Integration Results

RT: 39.89
Area: 523963
Amount: 127.3996
Amount Units: pg/ul




Manual Integration Results

RT: 39.89
Area: 734680
Amount: 179.6008
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:05:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

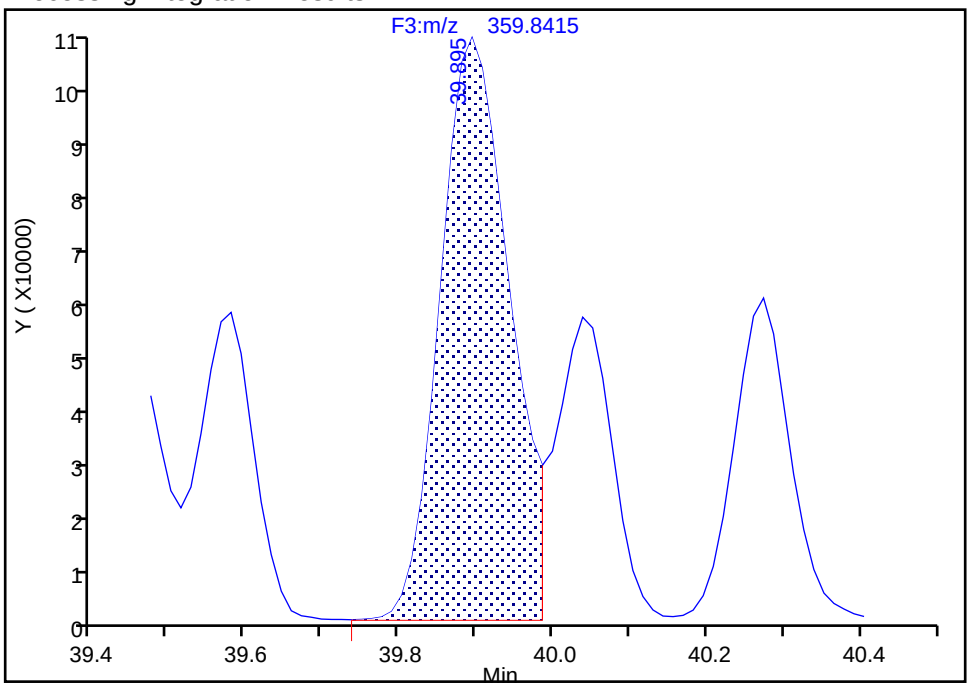
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

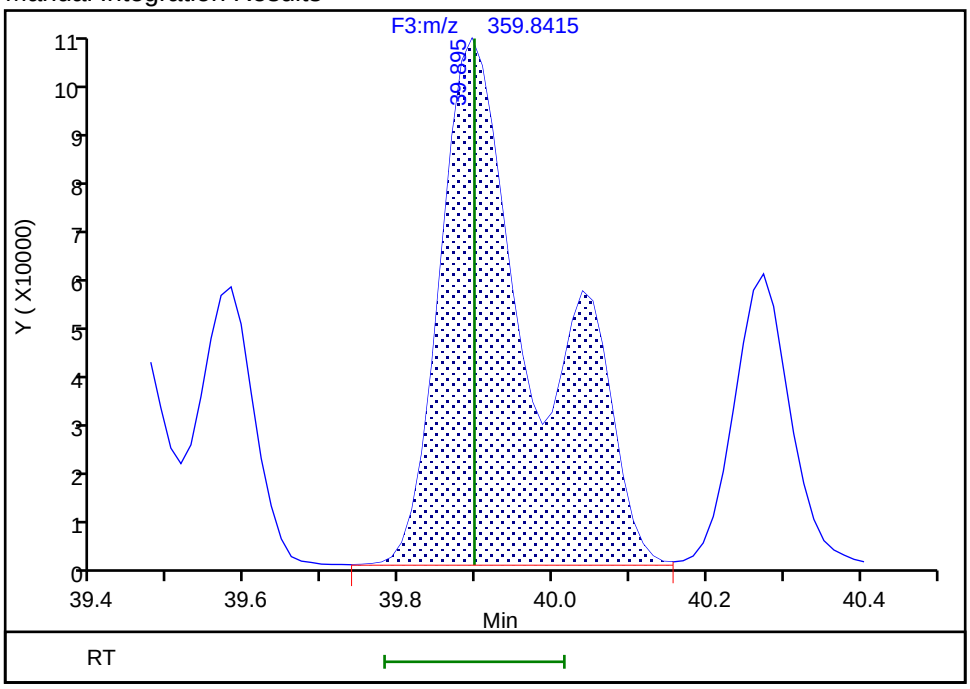
Processing Integration Results

RT: 39.89
Area: 656126
Amount: 127.3996
Amount Units: pg/ul




Manual Integration Results

RT: 39.89
Area: 928943
Amount: 179.6008
Amount Units: pg/ul



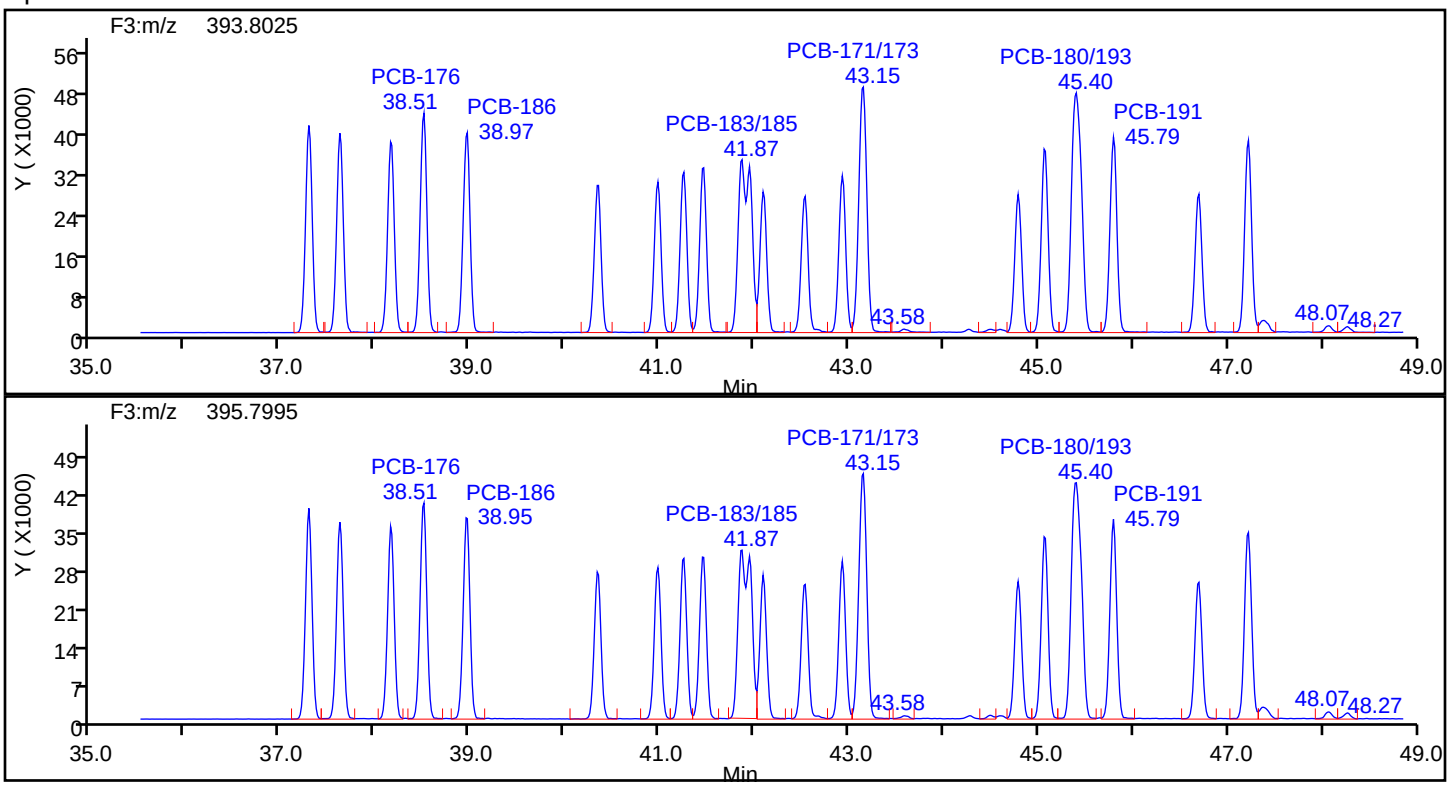

Reviewer: davidsonm, 24-Sep-2019 15:05:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

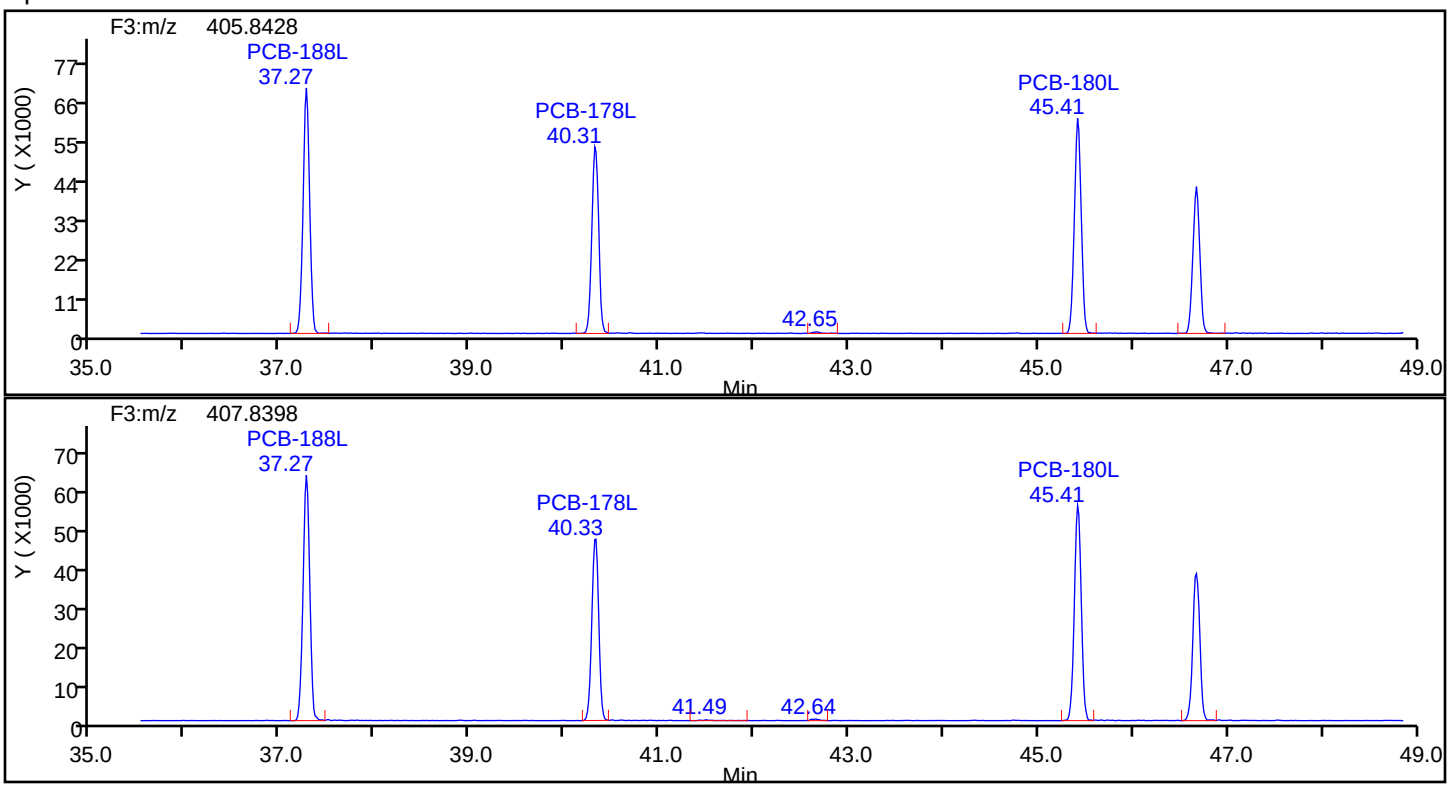
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



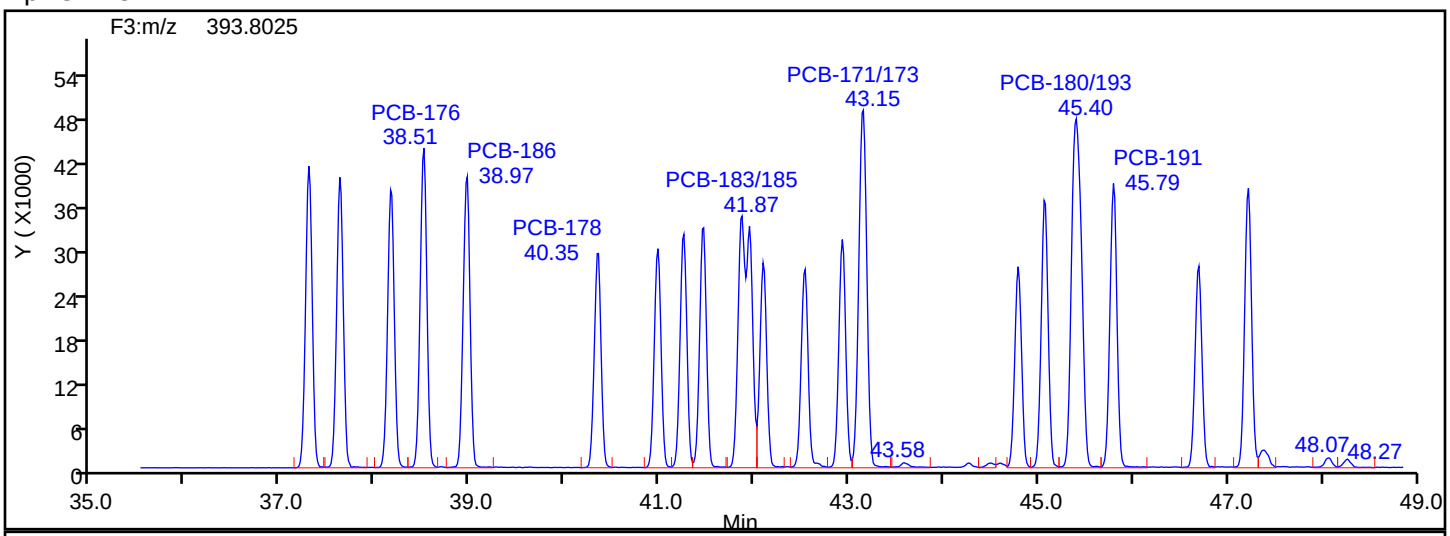

HpPCB F3 Standards

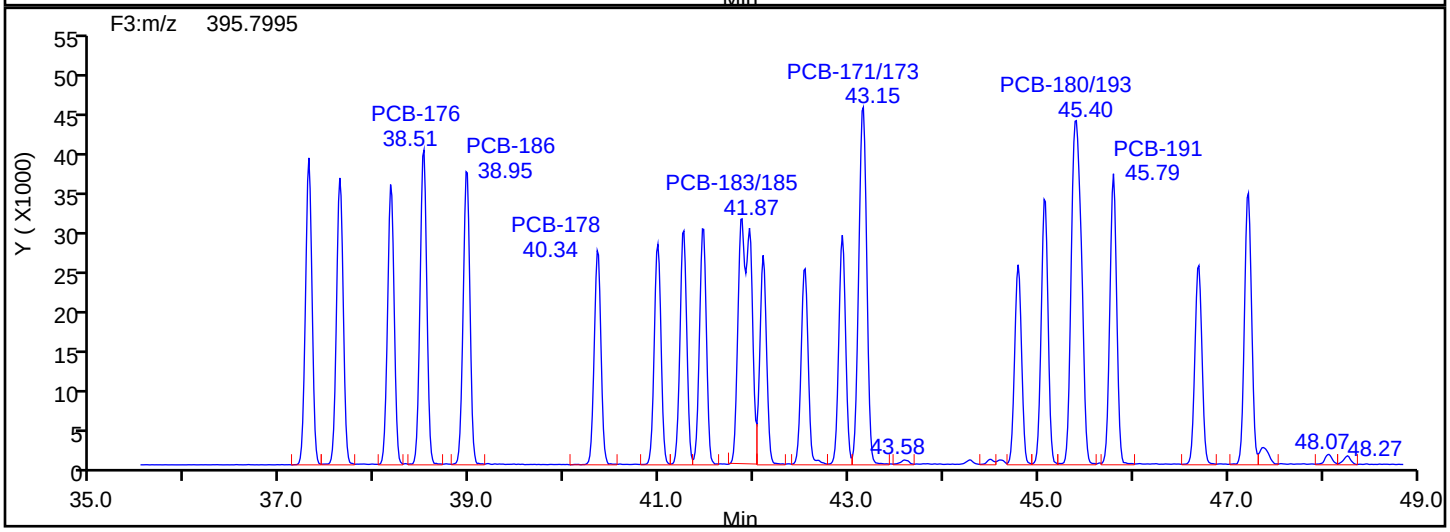


Eurofins TestAmerica, Knoxville

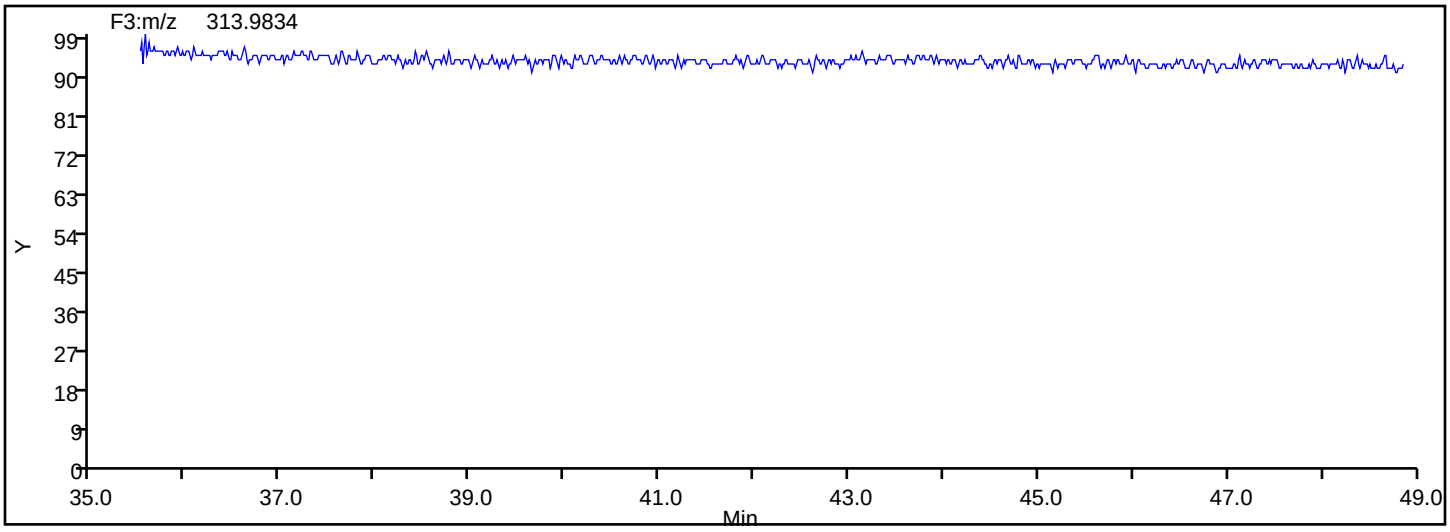
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

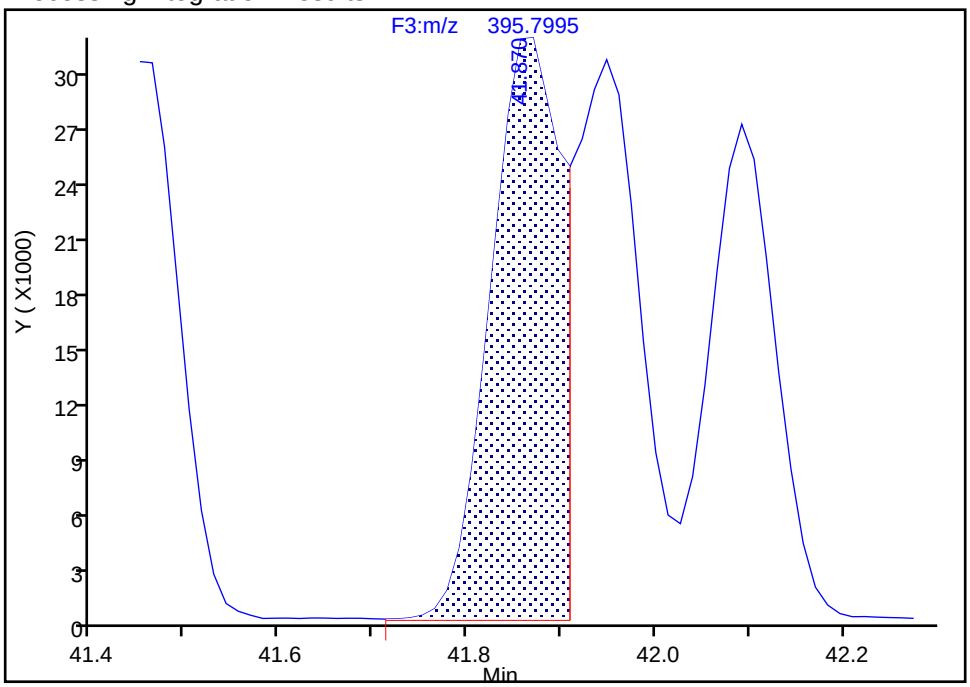
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33603/11-A | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

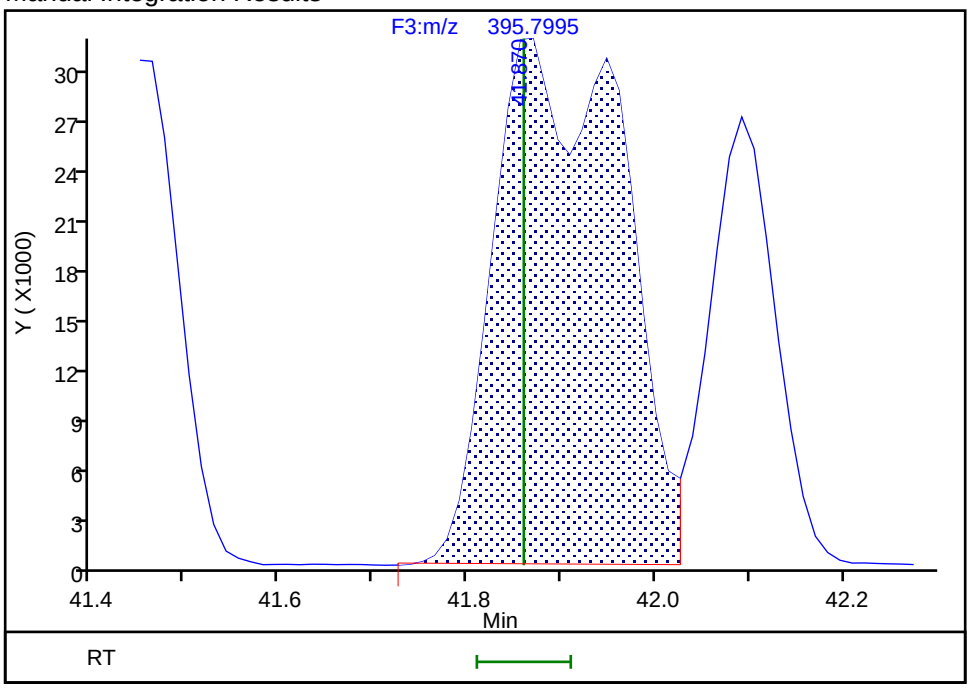
Processing Integration Results

RT: 41.87
Area: 161713
Amount: 55.299202
Amount Units: pg/ul




Manual Integration Results

RT: 41.87
Area: 299877
Amount: 103.2330
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:06:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

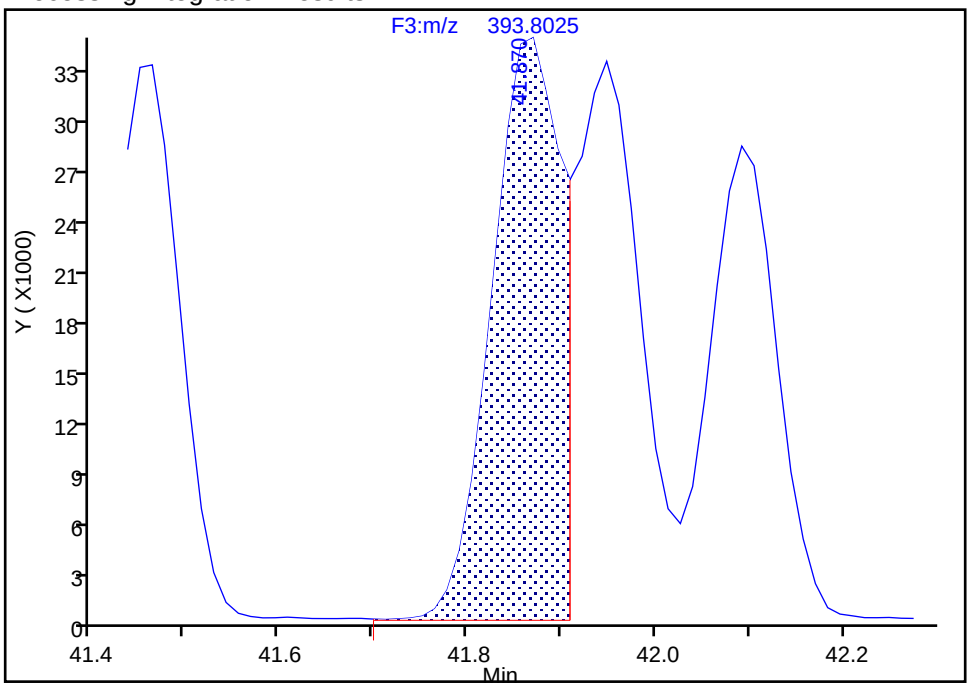
Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d
Injection Date: 24-Sep-2019 13:53:00 Instrument ID: D3D
Lims ID: LCS 140-33603/11-A
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F3(35.64 :49.10 )

## PCB-183/185, CAS: STL02297

Signal: 1

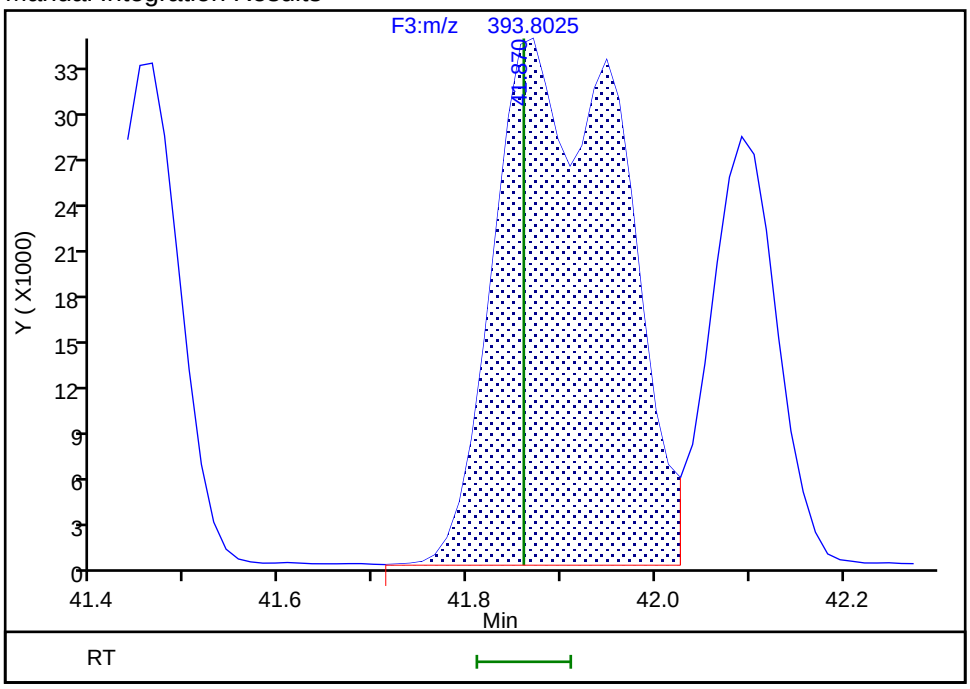
Processing Integration Results

RT: 41.87
Area: 172273
Amount: 55.299202
Amount Units: pg/ul




Manual Integration Results

RT: 41.87
Area: 323611
Amount: 103.2330
Amount Units: pg/ul




Reviewer: davidsonm, 24-Sep-2019 15:06:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

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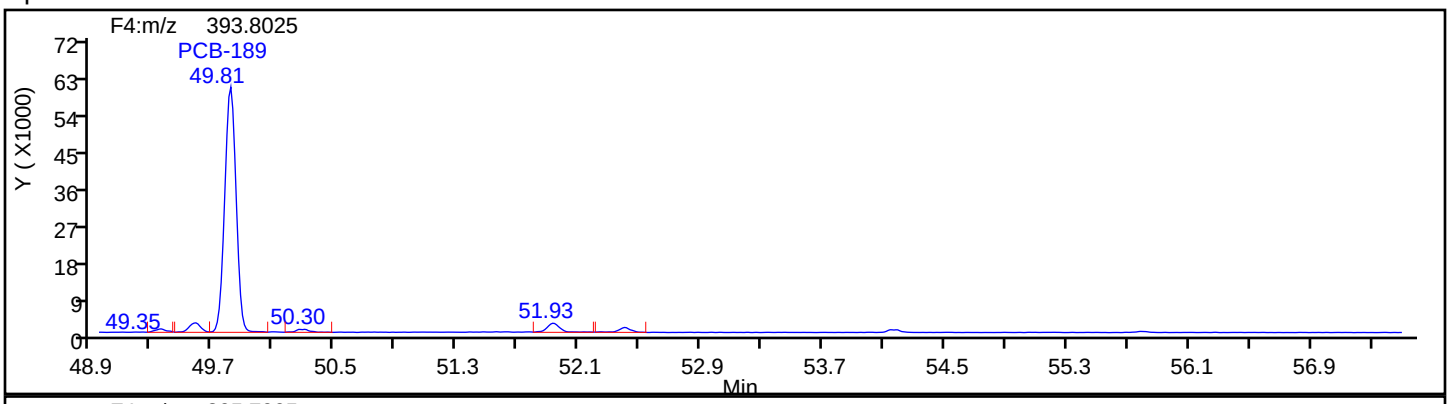
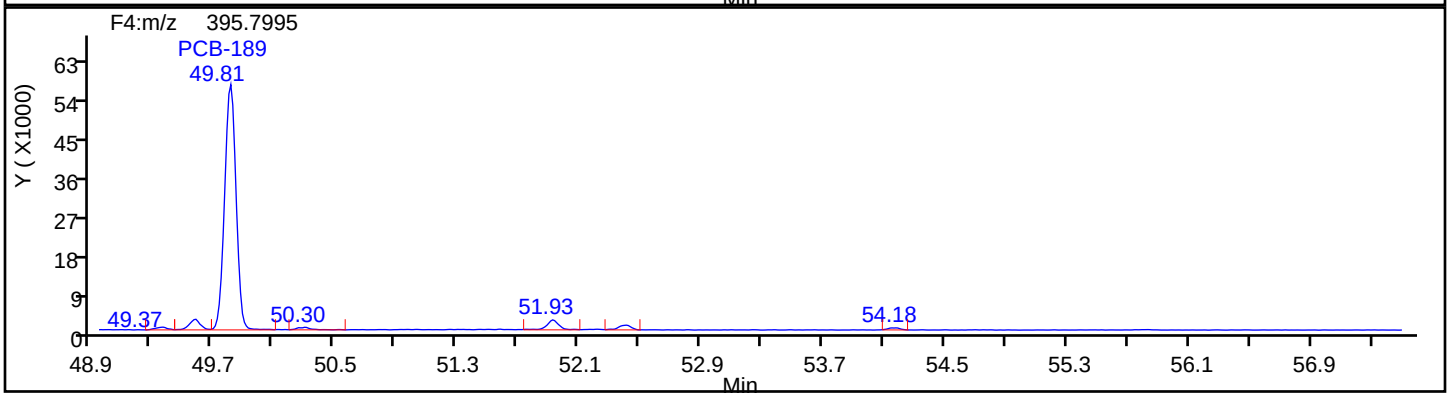
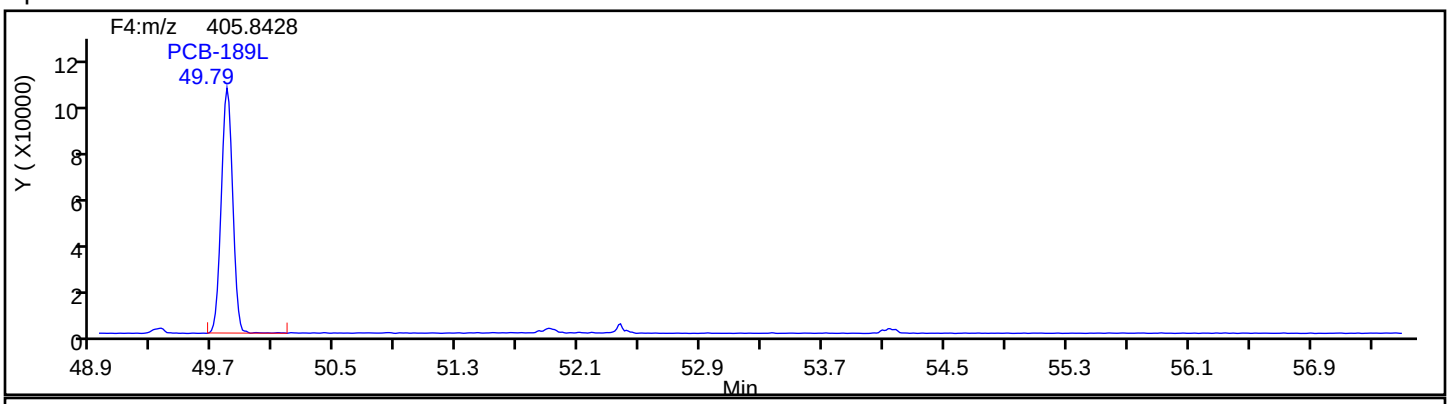
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

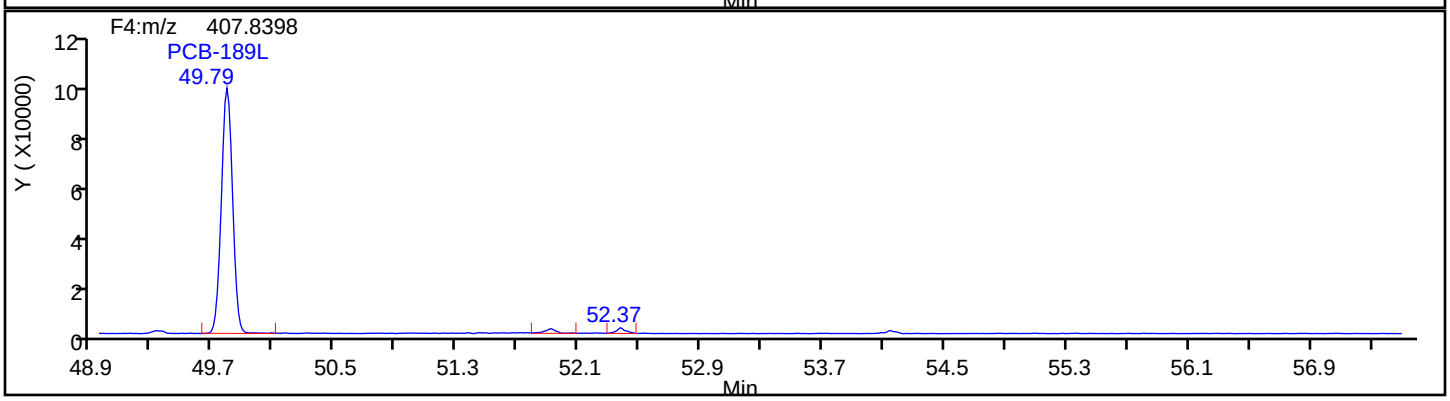
HpPCB F4




HpPCB F4 Standards

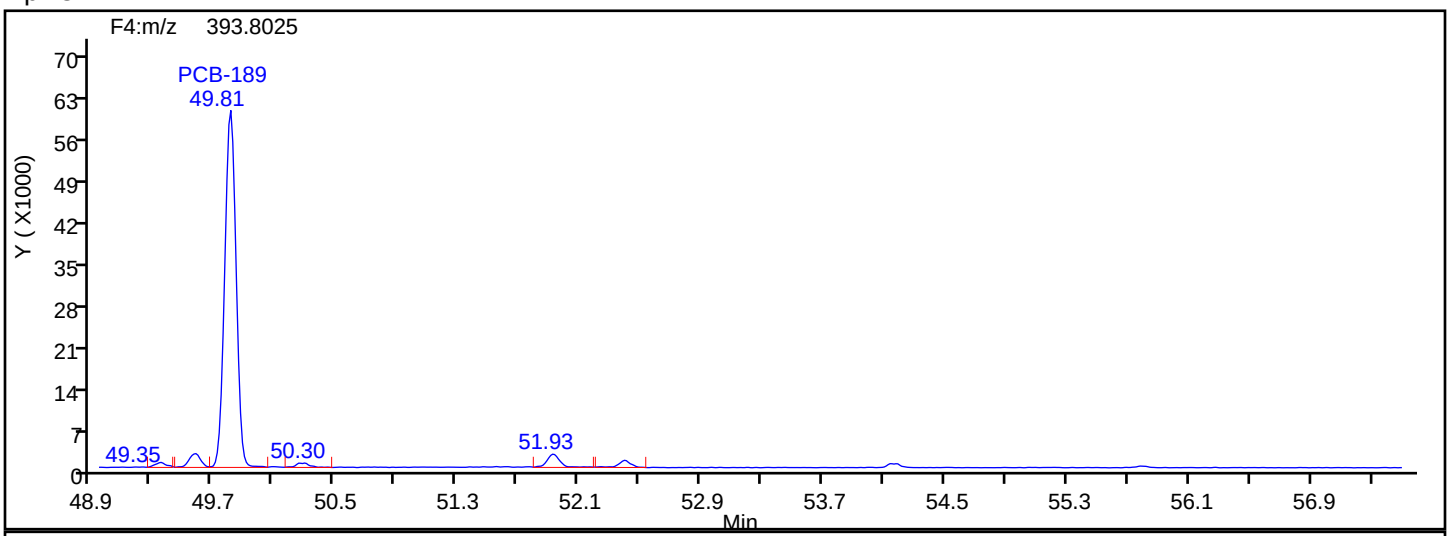


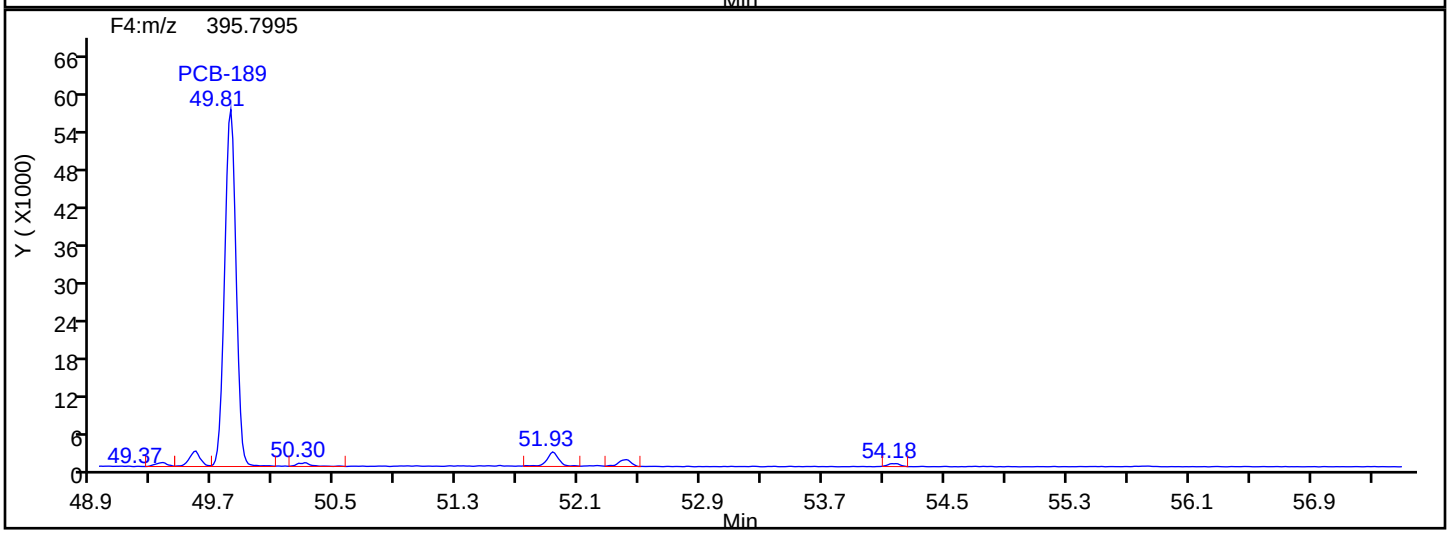



Eurofins TestAmerica, Knoxville

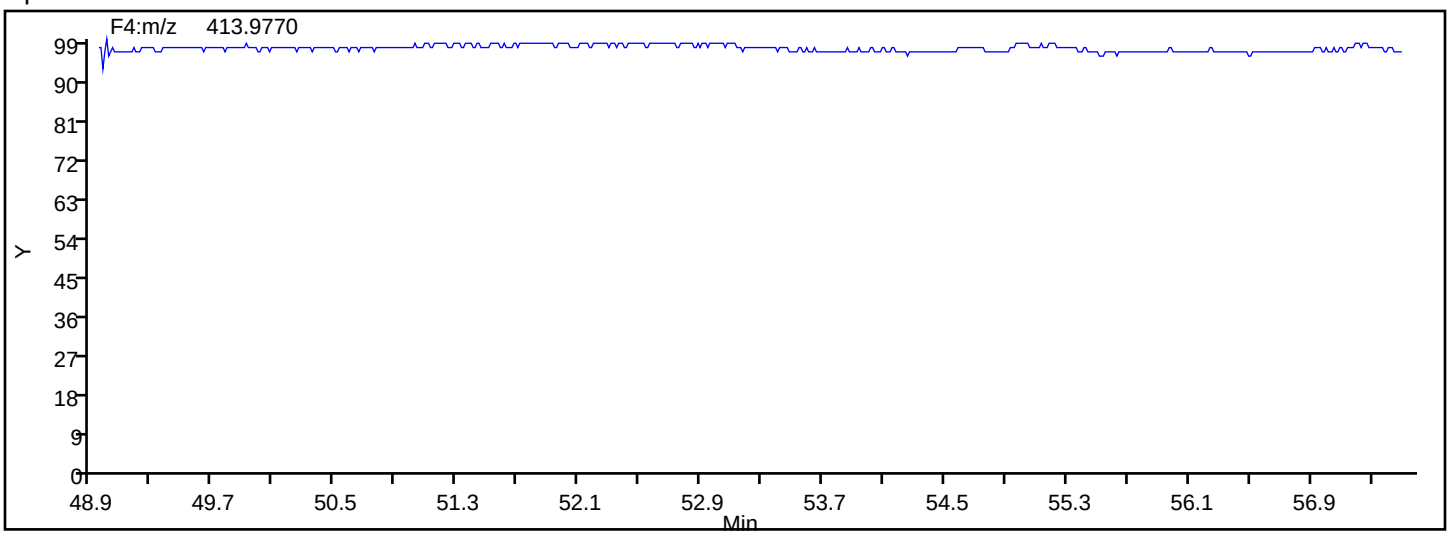
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
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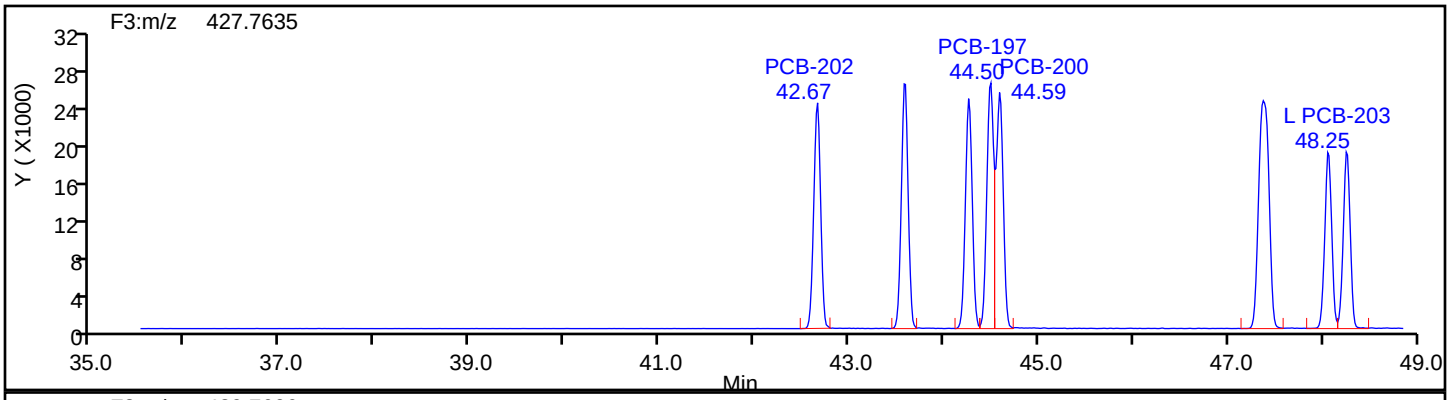
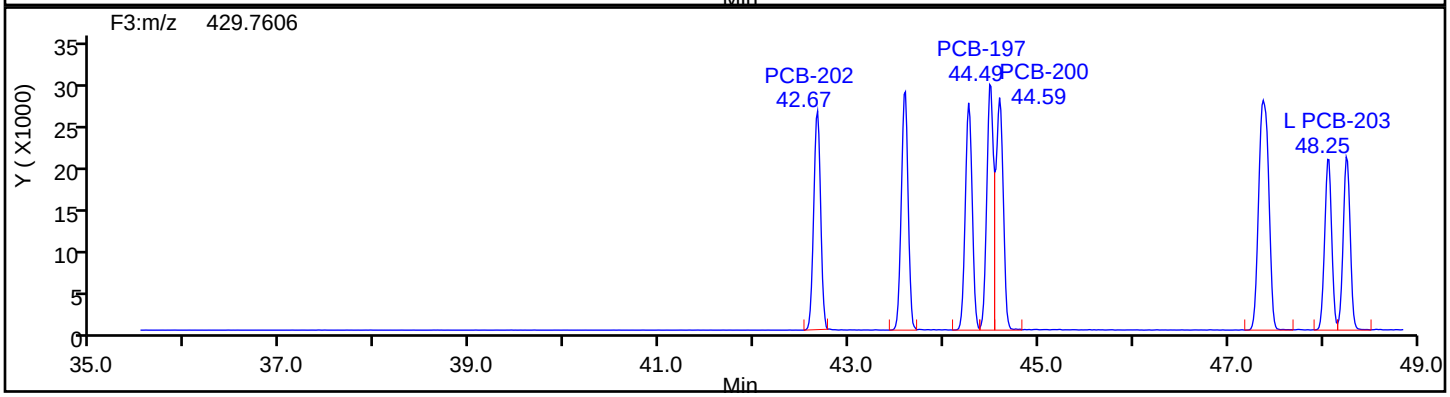
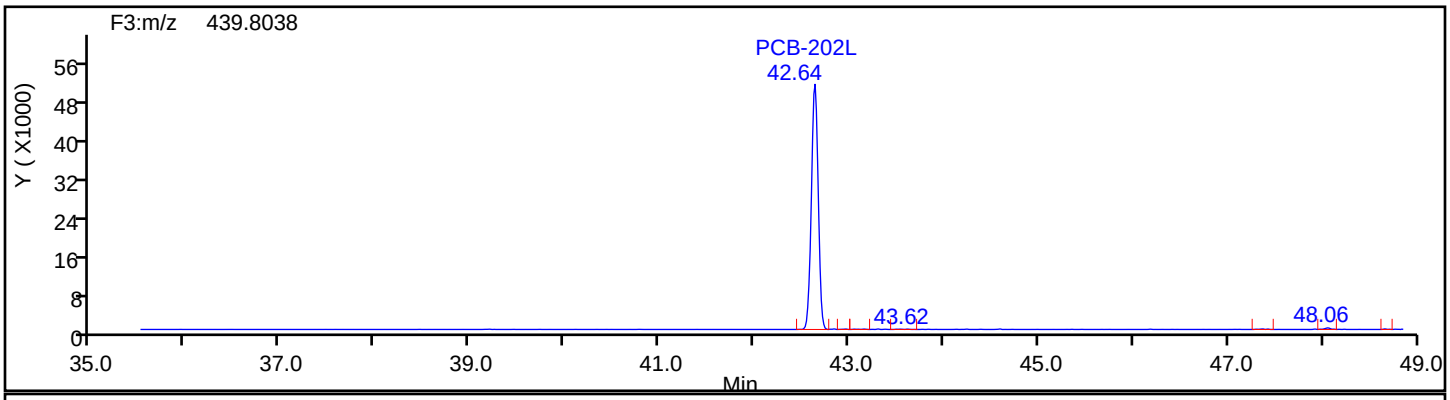
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

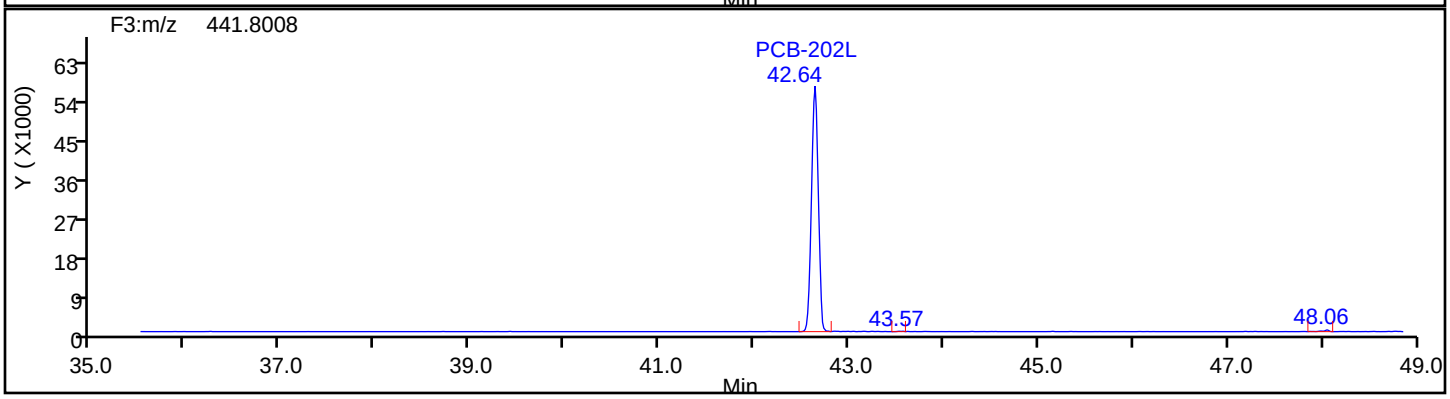
OcPCB F3




OcPCB F3 Standards

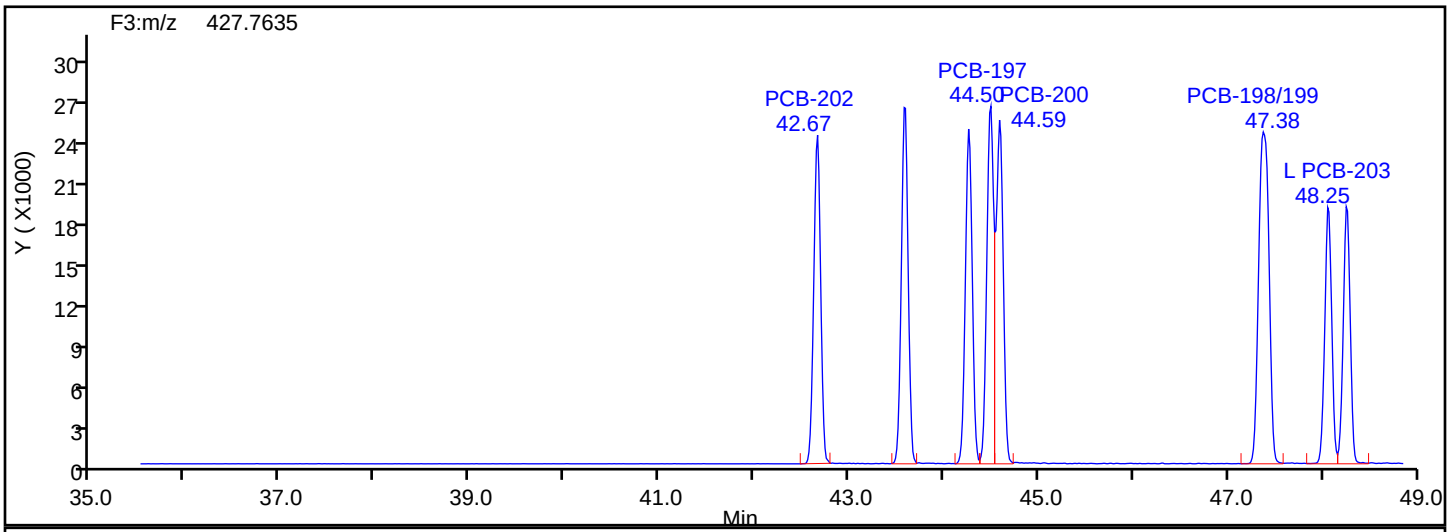


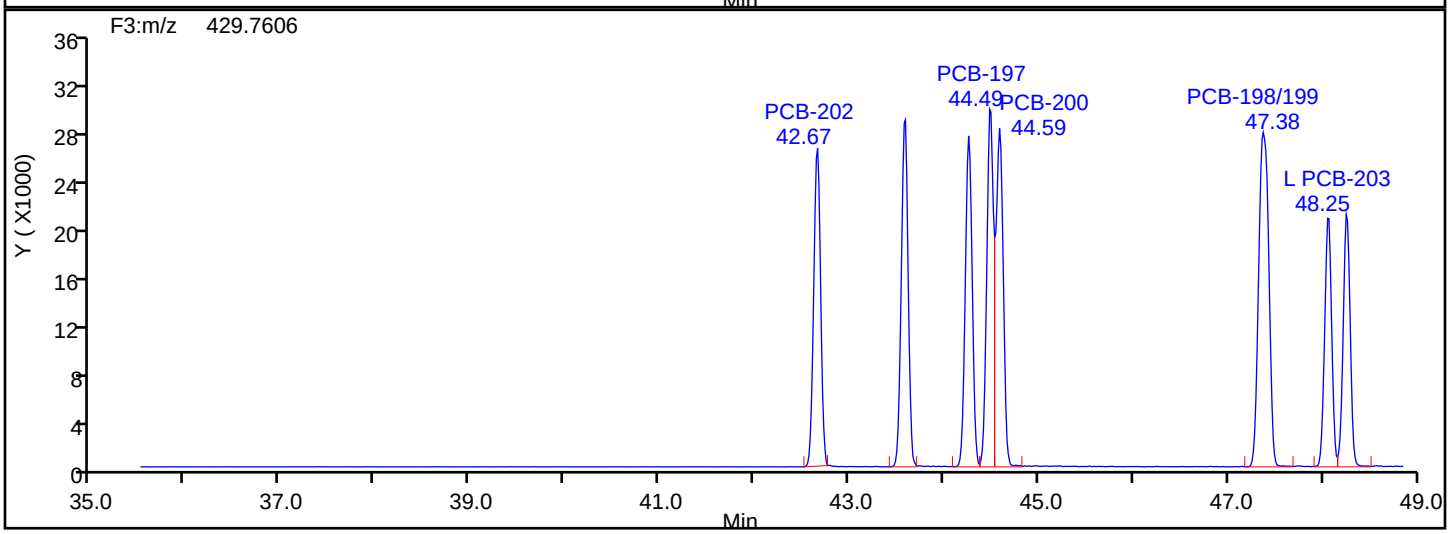



Eurofins TestAmerica, Knoxville

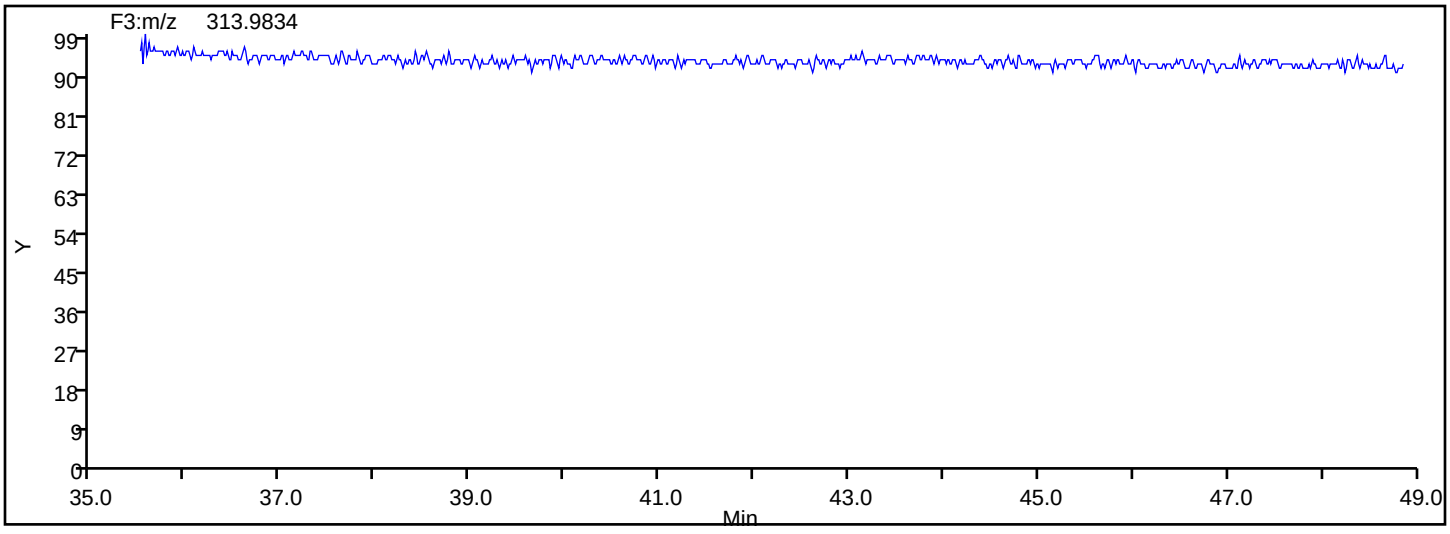
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3



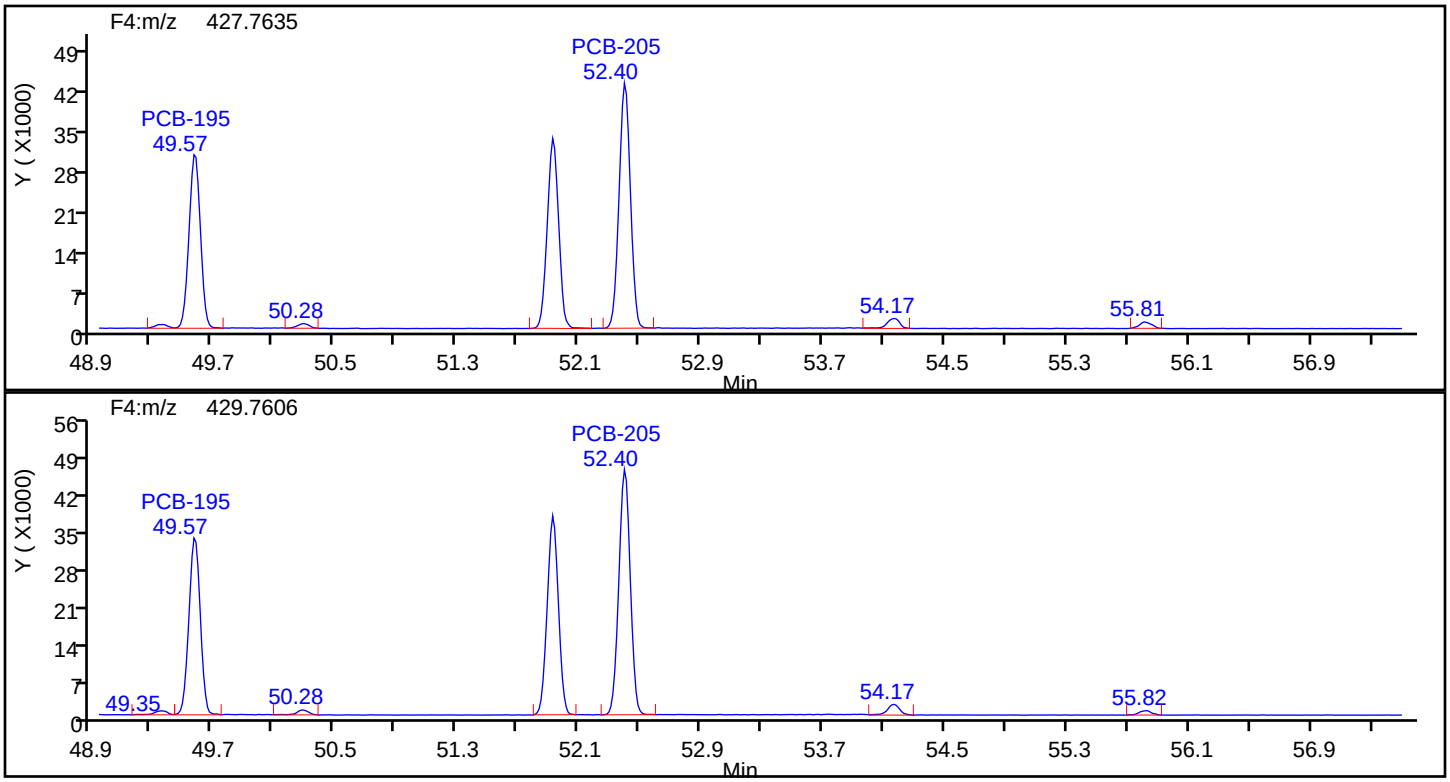

OcPCB F3 Lock Mass



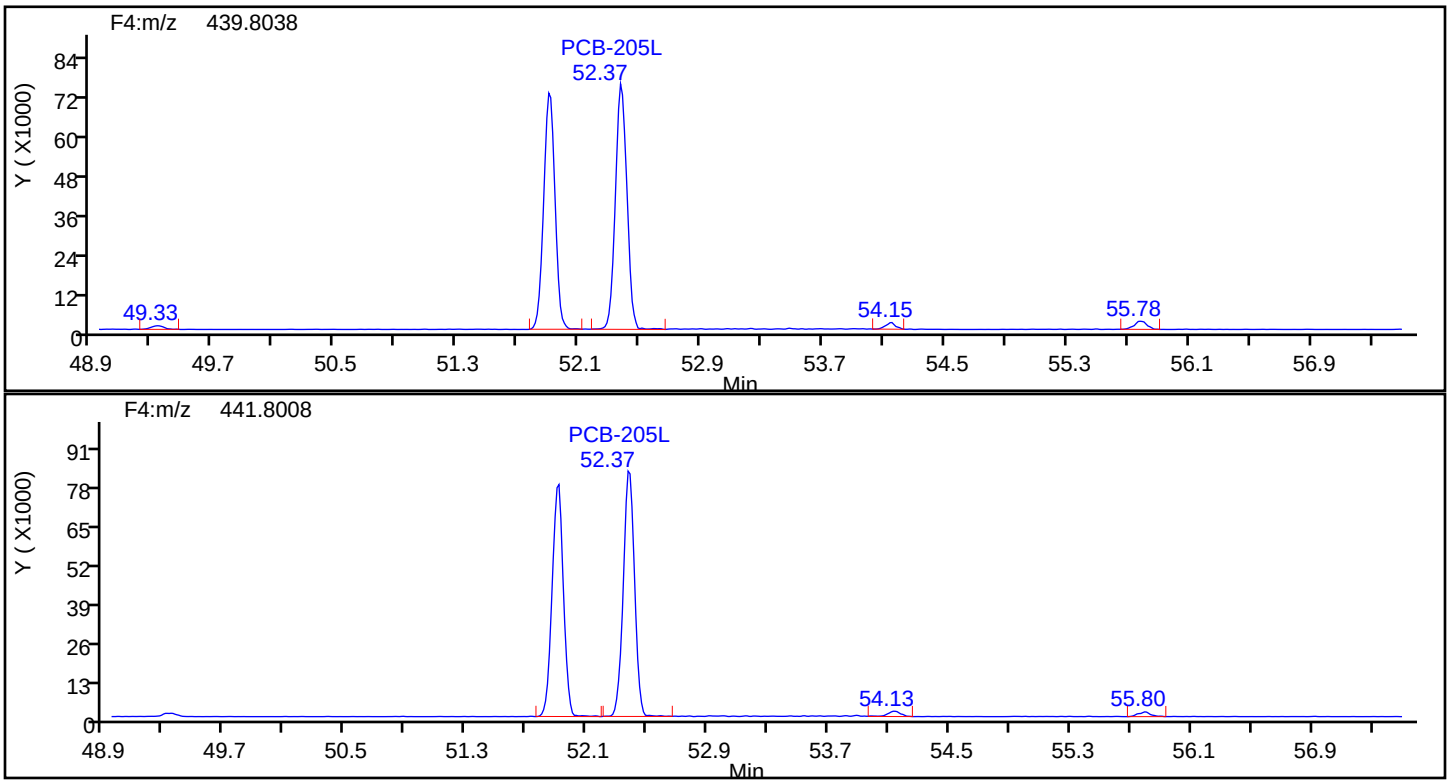
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



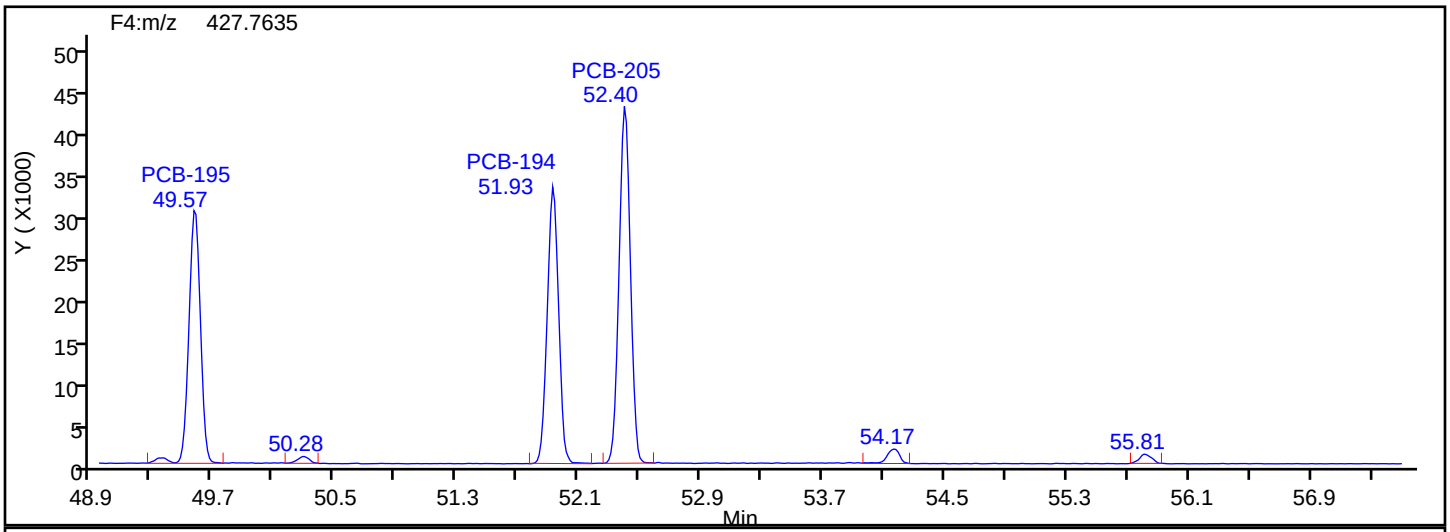

OcPCB F4 Standards

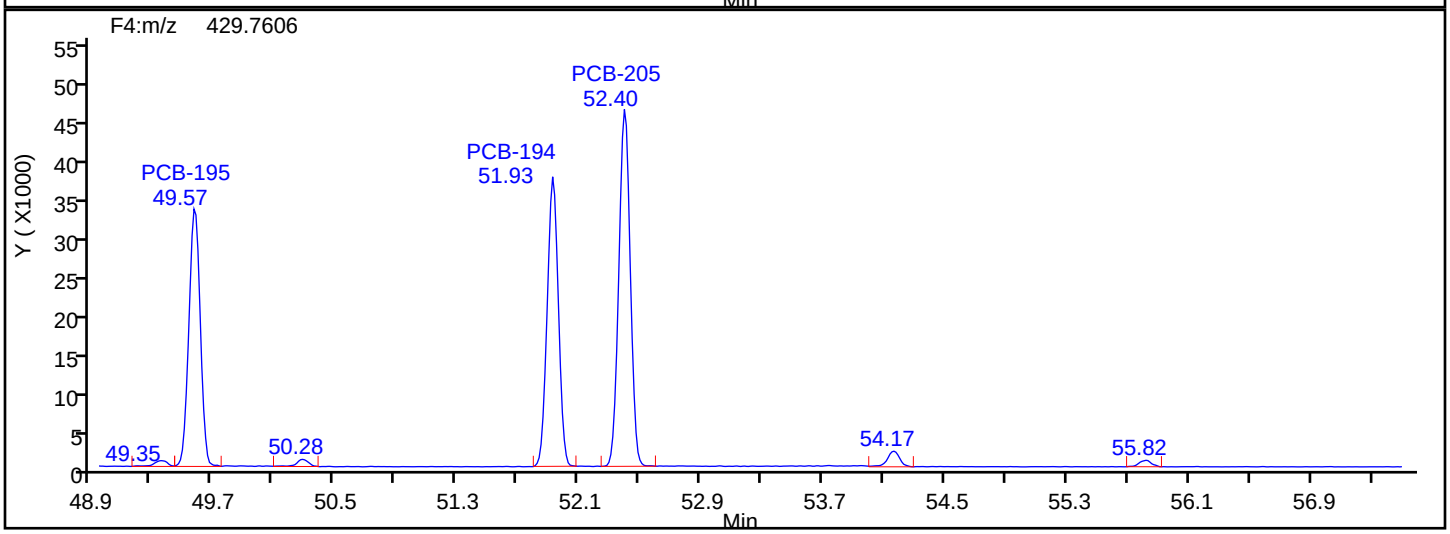


Eurofins TestAmerica, Knoxville

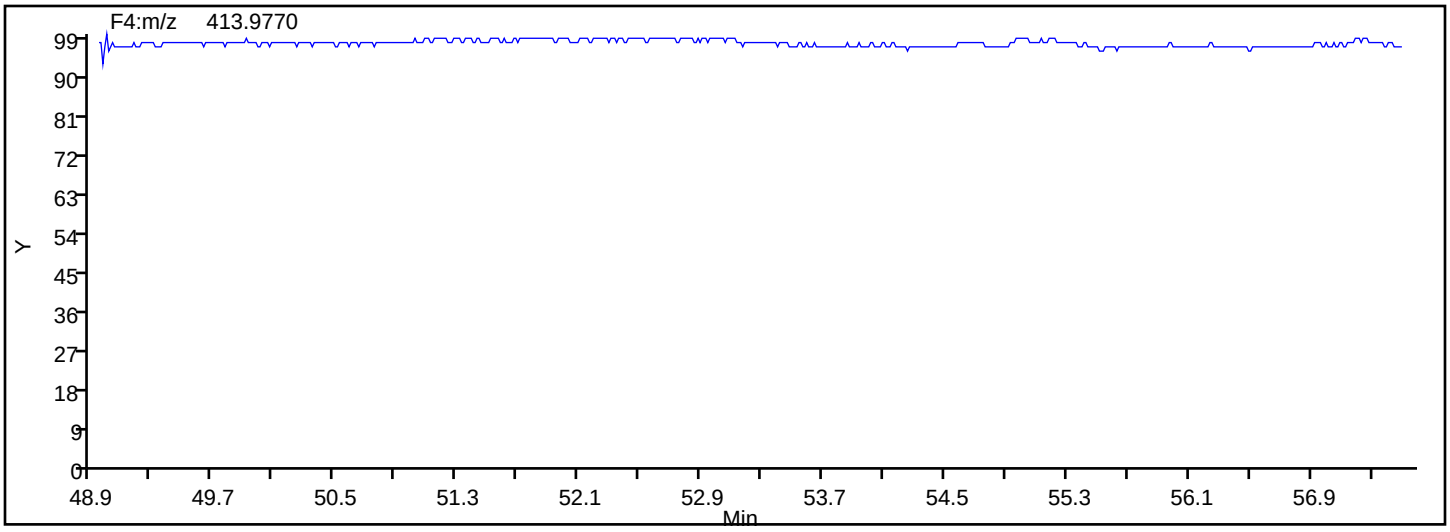
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4



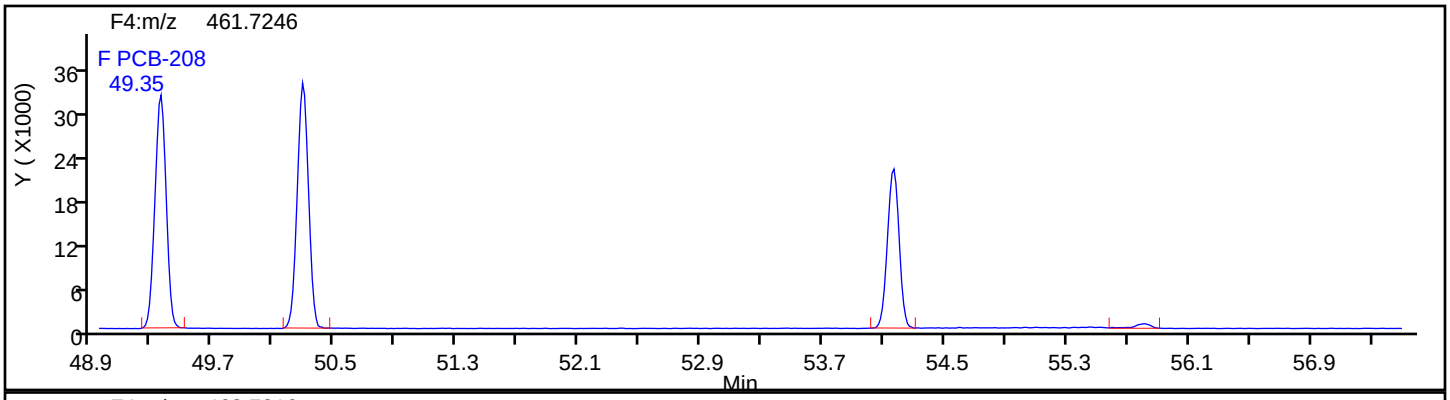

OcPCB F4 Lock Mass

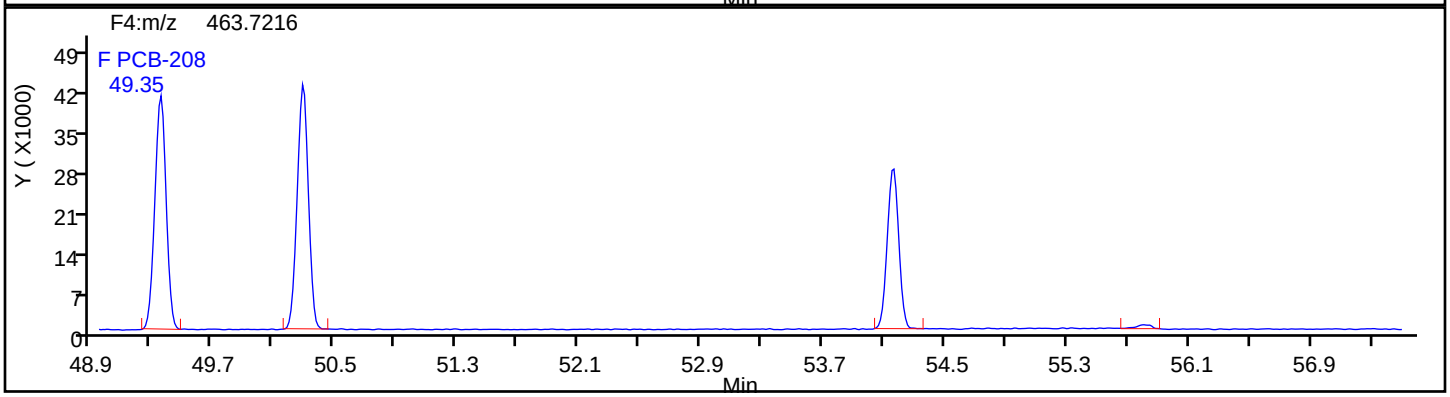


Eurofins TestAmerica, Knoxville

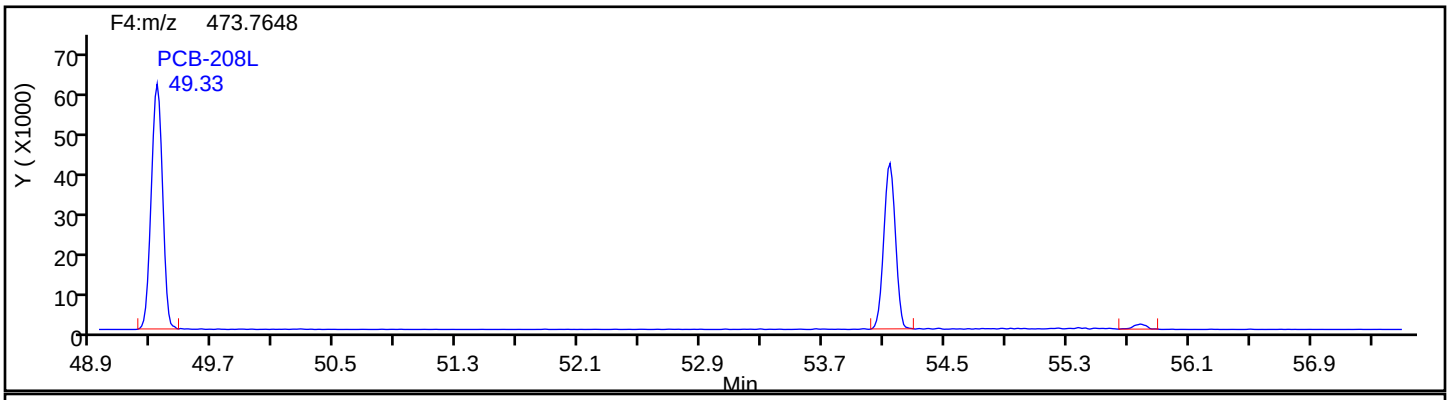
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

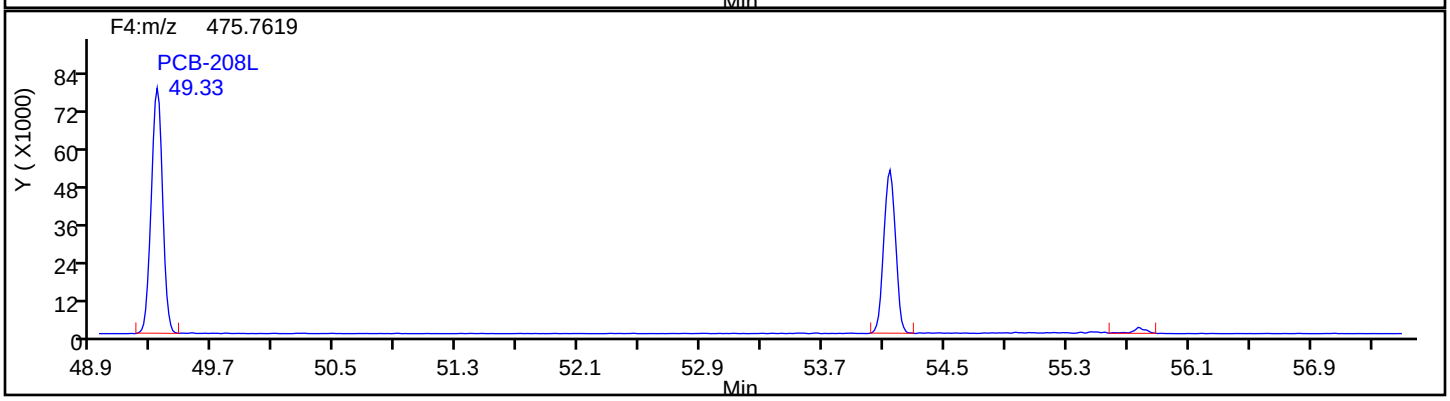
NoPCB F4




NoPCB F4 Standards

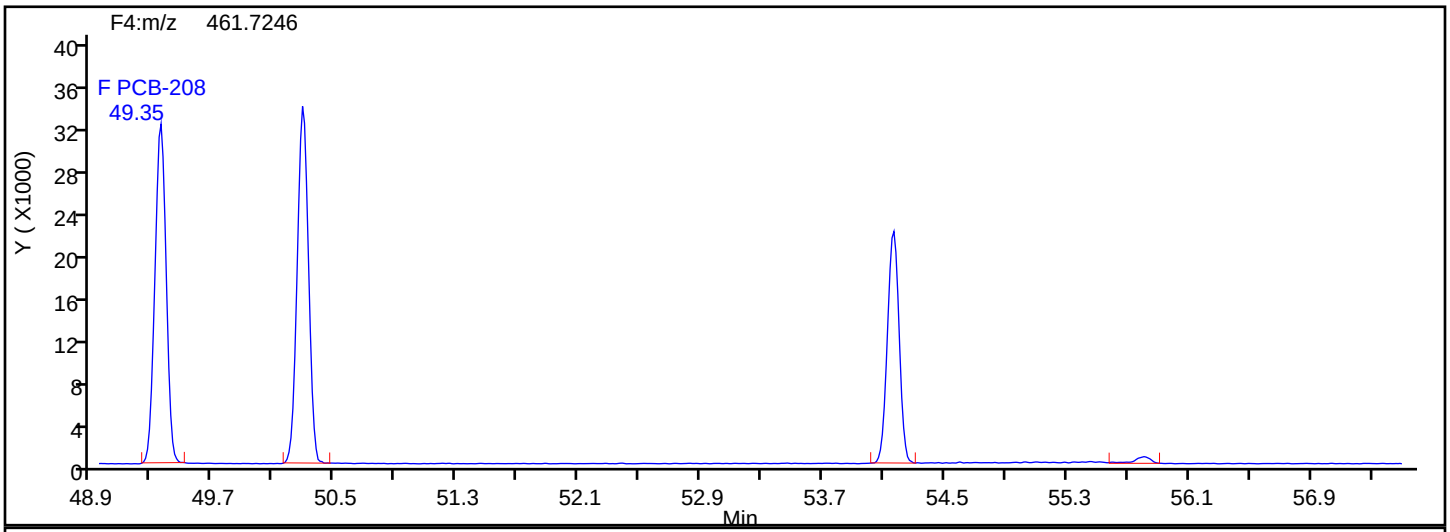


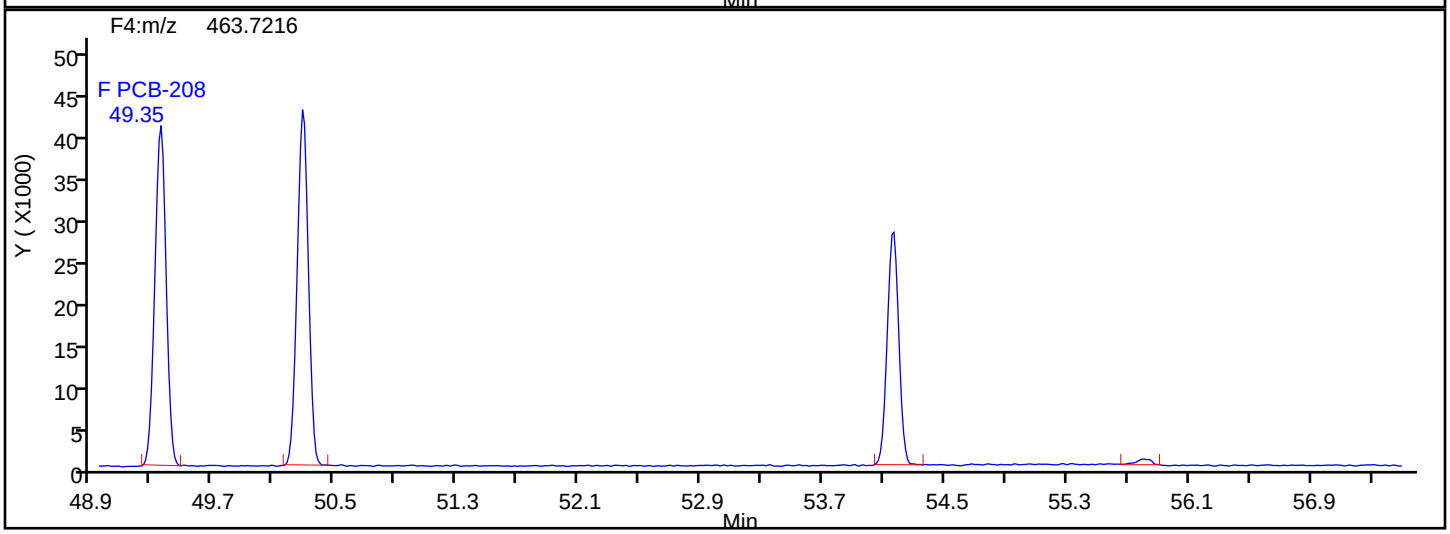



Eurofins TestAmerica, Knoxville

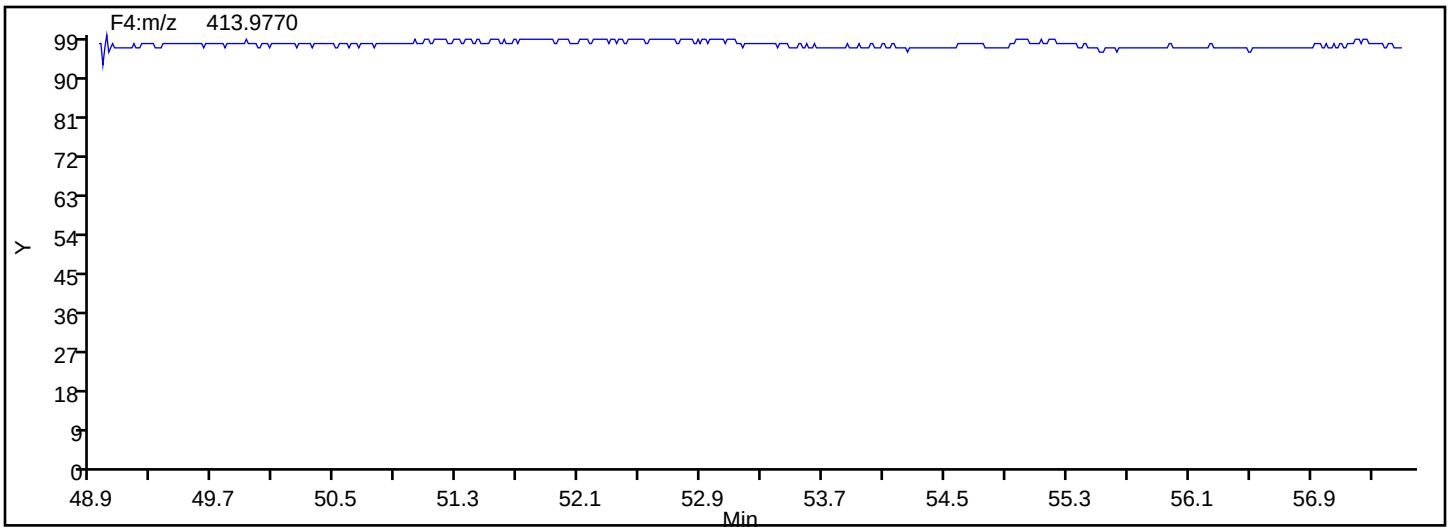
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



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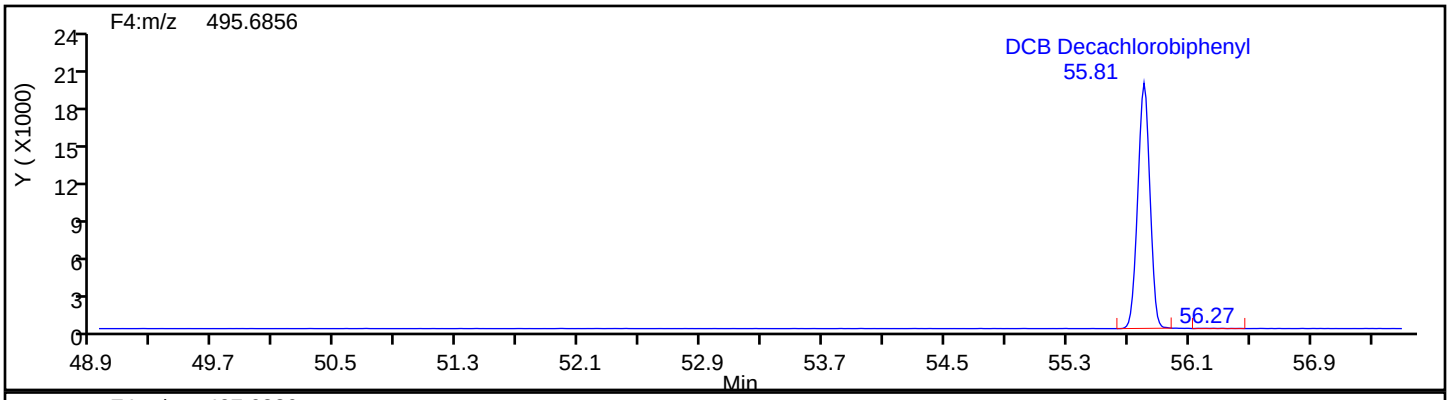
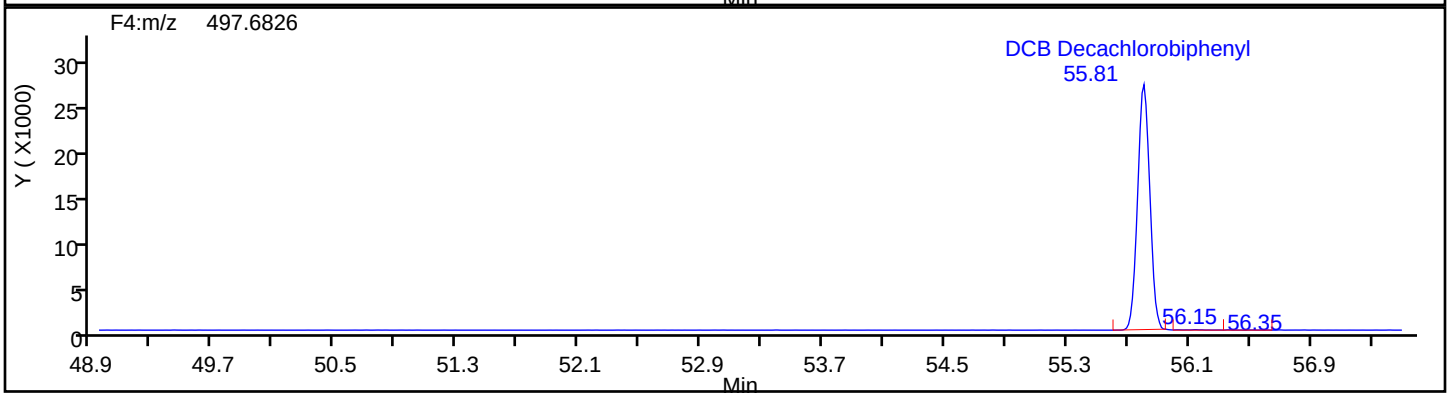
Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d

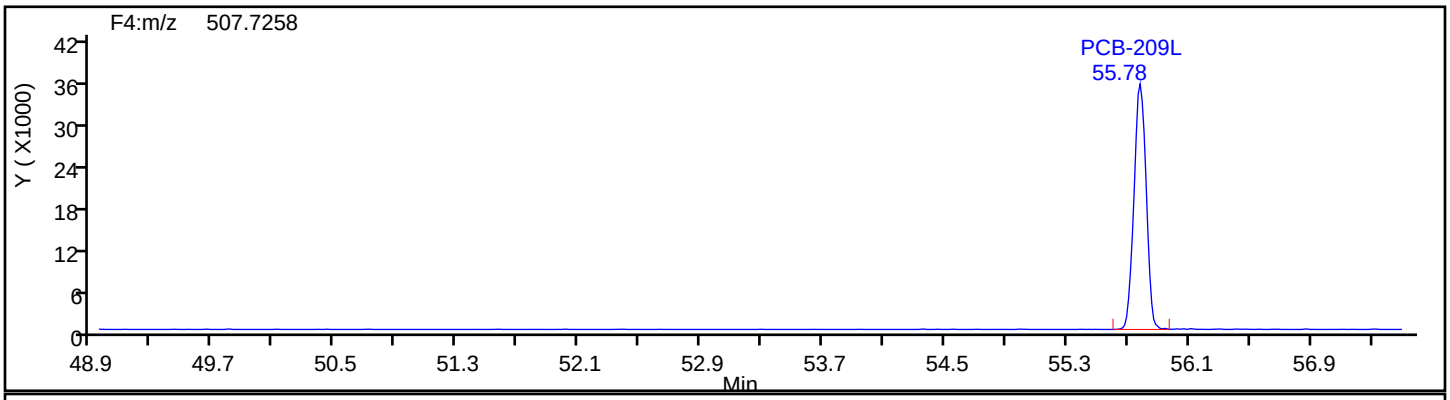
| | | | |
|---|---|---|---|
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

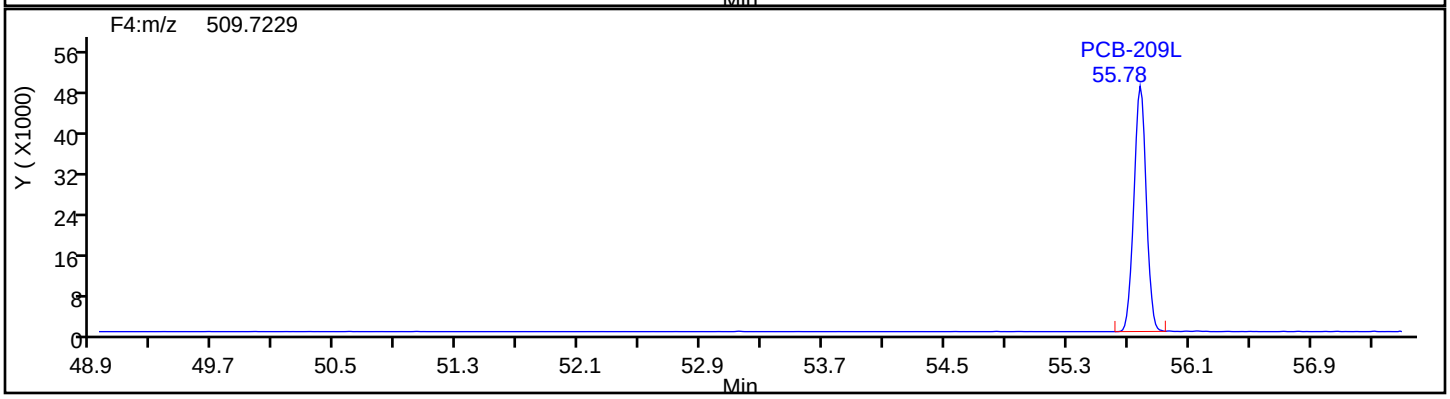
DePCB F4




DePCB F4 Standards

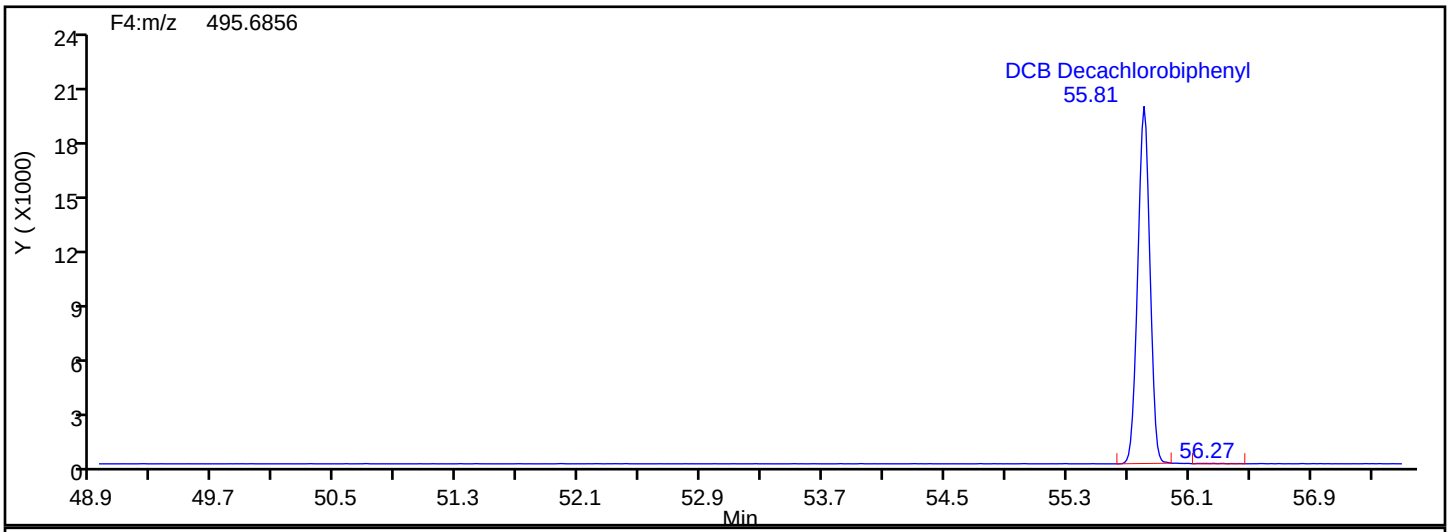


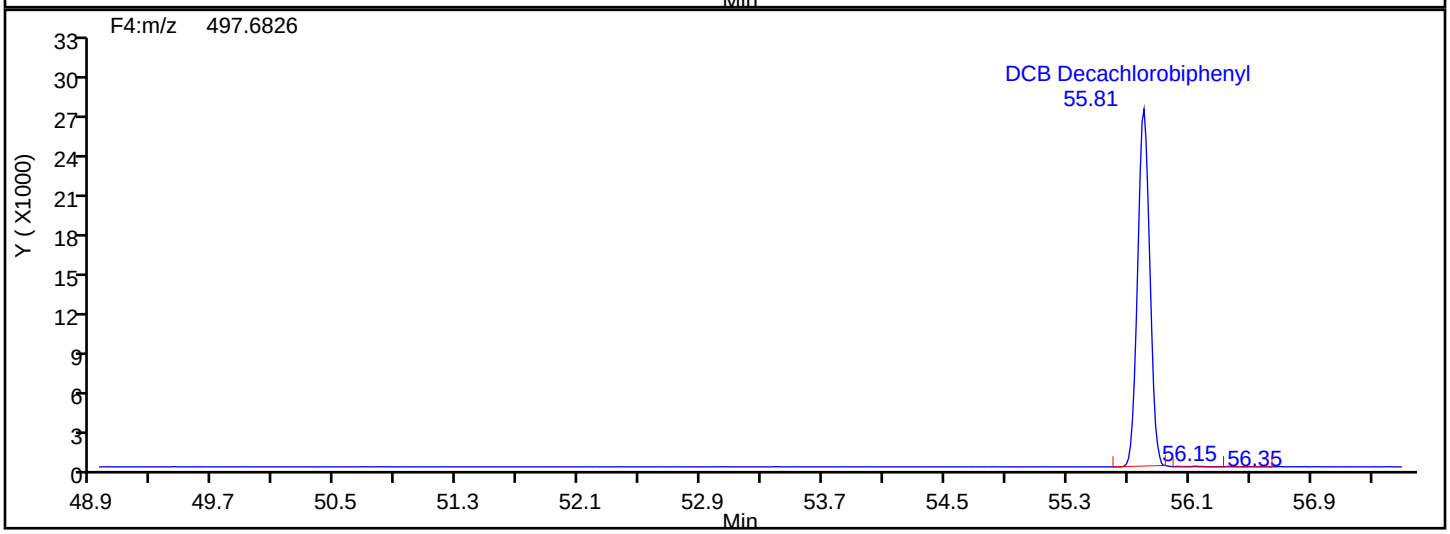



Eurofins TestAmerica, Knoxville

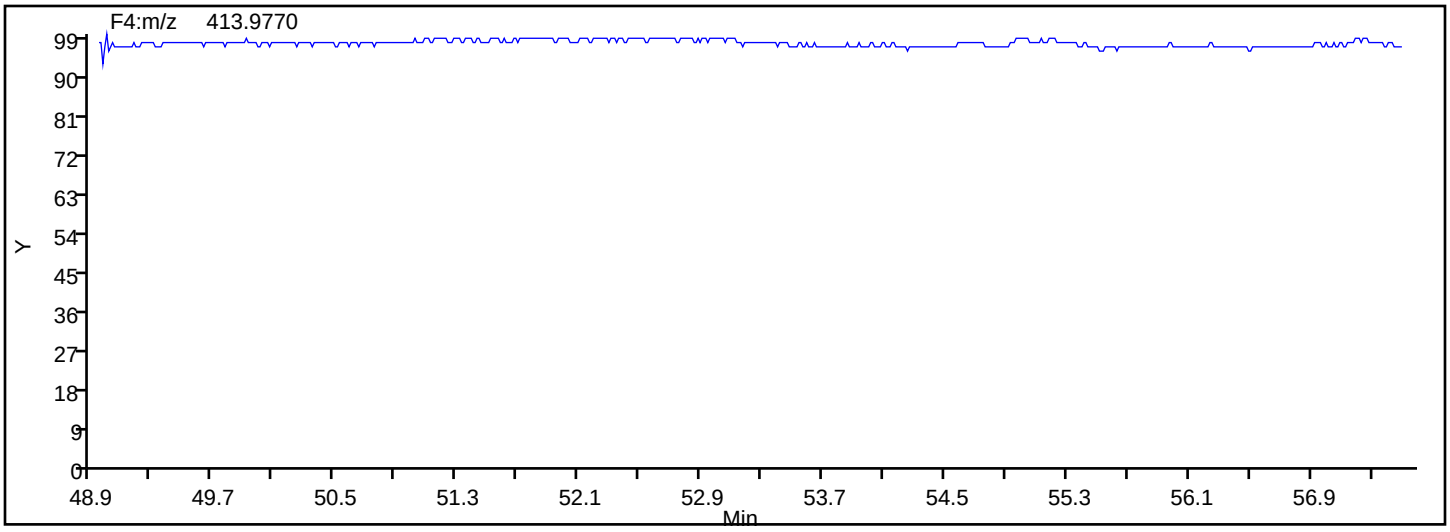
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20190924-13159.b\lcs140-3360311-a.d | | |
| Injection Date: | 24-Sep-2019 13:53:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 33865 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.461 | | 0.050 | 0.0031 |
| 2051-61-8 | PCB-2 | 0.523 | | 0.050 | 0.0035 |
| 2051-62-9 | PCB-3 | 0.483 | | 0.050 | 0.0039 |
| 13029-08-8 | PCB-4 | 0.477 | | 0.10 | 0.0058 |
| 16605-91-7 | PCB-5 | 0.450 | | 0.050 | 0.0028 |
| 25569-80-6 | PCB-6 | 0.459 | | 0.050 | 0.0028 |
| 33284-50-3 | PCB-7 | 0.475 | | 0.050 | 0.0027 |
| 34883-43-7 | PCB-8 | 0.455 | | 0.10 | 0.0027 |
| 34883-39-1 | PCB-9 | 0.488 | | 0.050 | 0.0031 |
| 33146-45-1 | PCB-10 | 0.458 | | 0.050 | 0.0029 |
| 2050-67-1 | PCB-11 | 0.498 | | 0.10 | 0.0027 |
| 2974-92-7 | PCB-12 | 0.922 | C | 0.10 | 0.0026 |
| 2974-90-5 | PCB-13 | 0.922 | C12 | 0.10 | 0.0026 |
| 34883-41-5 | PCB-14 | 0.486 | | 0.050 | 0.0023 |
| 2050-68-2 | PCB-15 | 0.439 | | 0.050 | 0.0022 |
| 38444-78-9 | PCB-16 | 0.420 | | 0.050 | 0.0052 |
| 37680-66-3 | PCB-17 | 0.460 | | 0.050 | 0.0041 |
| 37680-65-2 | PCB-18 | 0.953 | C | 0.10 | 0.0035 |
| 38444-73-4 | PCB-19 | 0.440 | | 0.050 | 0.0049 |
| 38444-84-7 | PCB-20 | 0.908 | C | 0.10 | 0.0051 |
| 55702-46-0 | PCB-21 | 0.884 | C | 0.10 | 0.0048 |
| 38444-85-8 | PCB-22 | 0.451 | | 0.050 | 0.0054 |
| 55720-44-0 | PCB-23 | 0.465 | | 0.050 | 0.0053 |
| 55702-45-9 | PCB-24 | 0.431 | | 0.050 | 0.0030 |
| 55712-37-3 | PCB-25 | 0.457 | | 0.050 | 0.0049 |
| 38444-81-4 | PCB-26 | 0.921 | C | 0.10 | 0.0051 |
| 38444-76-7 | PCB-27 | 0.461 | | 0.050 | 0.0030 |
| 7012-37-5 | PCB-28 | 0.908 | C20 | 0.10 | 0.0051 |
| 15862-07-4 | PCB-29 | 0.921 | C26 | 0.10 | 0.0051 |
| 35693-92-6 | PCB-30 | 0.953 | C18 | 0.10 | 0.0035 |
| 16606-02-3 | PCB-31 | 0.461 | | 0.10 | 0.0048 |
| 38444-77-8 | PCB-32 | 0.477 | | 0.050 | 0.0027 |
| 38444-86-9 | PCB-33 | 0.884 | C21 | 0.10 | 0.0048 |
| 37680-68-5 | PCB-34 | 0.484 | | 0.050 | 0.0055 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.469 | | 0.050 | 0.0055 |
| 38444-87-0 | PCB-36 | 0.482 | | 0.050 | 0.0049 |
| 38444-90-5 | PCB-37 | 0.470 | | 0.050 | 0.0052 |
| 53555-66-1 | PCB-38 | 0.456 | | 0.050 | 0.0051 |
| 38444-88-1 | PCB-39 | 0.473 | | 0.050 | 0.0048 |
| 38444-93-8 | PCB-40 | 1.35 | C | 0.15 | 0.0052 |
| 52663-59-9 | PCB-41 | 1.35 | C40 | 0.15 | 0.0052 |
| 36559-22-5 | PCB-42 | 0.464 | | 0.050 | 0.0055 |
| 70362-46-8 | PCB-43 | 0.928 | C | 0.10 | 0.0047 |
| 41464-39-5 | PCB-44 | 1.34 | C | 0.15 | 0.0046 |
| 70362-45-7 | PCB-45 | 0.903 | C | 0.10 | 0.0053 |
| 41464-47-5 | PCB-46 | 0.459 | | 0.050 | 0.0062 |
| 2437-79-8 | PCB-47 | 1.34 | C44 | 0.15 | 0.0046 |
| 70362-47-9 | PCB-48 | 0.471 | | 0.050 | 0.0050 |
| 41464-40-8 | PCB-49 | 0.910 | C | 0.10 | 0.0042 |
| 62796-65-0 | PCB-50 | 0.922 | C | 0.10 | 0.0051 |
| 68194-04-7 | PCB-51 | 0.903 | C45 | 0.10 | 0.0053 |
| 35693-99-3 | PCB-52 | 0.474 | | 0.050 | 0.0053 |
| 41464-41-9 | PCB-53 | 0.922 | C50 | 0.10 | 0.0051 |
| 15968-05-5 | PCB-54 | 0.458 | | 0.050 | 0.0017 |
| 74338-24-2 | PCB-55 | 0.460 | | 0.050 | 0.0037 |
| 41464-43-1 | PCB-56 | 0.462 | | 0.050 | 0.0037 |
| 70424-67-8 | PCB-57 | 0.457 | | 0.050 | 0.0037 |
| 41464-49-7 | PCB-58 | 0.475 | | 0.050 | 0.0036 |
| 74472-33-6 | PCB-59 | 1.30 | C | 0.15 | 0.0035 |
| 33025-41-1 | PCB-60 | 0.452 | | 0.050 | 0.0036 |
| 33284-53-6 | PCB-61 | 1.77 | C | 0.20 | 0.0035 |
| 54230-22-7 | PCB-62 | 1.30 | C59 | 0.15 | 0.0035 |
| 74472-34-7 | PCB-63 | 0.458 | | 0.050 | 0.0032 |
| 52663-58-8 | PCB-64 | 0.440 | | 0.050 | 0.0033 |
| 33284-54-7 | PCB-65 | 1.34 | C44 | 0.15 | 0.0046 |
| 32598-10-0 | PCB-66 | 0.468 | | 0.050 | 0.0037 |
| 73575-53-8 | PCB-67 | 0.456 | | 0.050 | 0.0034 |
| 73575-52-7 | PCB-68 | 0.468 | | 0.050 | 0.0032 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 0.910 | C49 | 0.10 | 0.0042 |
| 32598-11-1 | PCB-70 | 1.77 | C61 | 0.20 | 0.0035 |
| 41464-46-4 | PCB-71 | 1.35 | C40 | 0.15 | 0.0052 |
| 41464-42-0 | PCB-72 | 0.477 | | 0.050 | 0.0036 |
| 74338-23-1 | PCB-73 | 0.928 | C43 | 0.10 | 0.0047 |
| 32690-93-0 | PCB-74 | 1.77 | C61 | 0.20 | 0.0035 |
| 32598-12-2 | PCB-75 | 1.30 | C59 | 0.15 | 0.0035 |
| 70362-48-0 | PCB-76 | 1.77 | C61 | 0.20 | 0.0035 |
| 32598-13-3 | PCB-77 | 0.466 | | 0.050 | 0.0036 |
| 70362-49-1 | PCB-78 | 0.435 | | 0.050 | 0.0036 |
| 41464-48-6 | PCB-79 | 0.467 | | 0.050 | 0.0031 |
| 33284-52-5 | PCB-80 | 0.461 | | 0.050 | 0.0032 |
| 70362-50-4 | PCB-81 | 0.495 | | 0.050 | 0.0036 |
| 52663-62-4 | PCB-82 | 0.481 | | 0.050 | 0.0030 |
| 60145-20-2 | PCB-83 | 0.988 | C | 0.10 | 0.0028 |
| 52663-60-2 | PCB-84 | 0.469 | | 0.050 | 0.0030 |
| 65510-45-4 | PCB-85 | 1.42 | C | 0.15 | 0.0021 |
| 55312-69-1 | PCB-86 | 2.77 | C | 0.30 | 0.0022 |
| 38380-02-8 | PCB-87 | 2.77 | C86 | 0.30 | 0.0022 |
| 55215-17-3 | PCB-88 | 0.922 | C | 0.10 | 0.0026 |
| 73575-57-2 | PCB-89 | 0.472 | | 0.050 | 0.0029 |
| 68194-07-0 | PCB-90 | 1.44 | C | 0.15 | 0.0023 |
| 68194-05-8 | PCB-91 | 0.922 | C88 | 0.10 | 0.0026 |
| 52663-61-3 | PCB-92 | 0.498 | | 0.050 | 0.0027 |
| 73575-56-1 | PCB-93 | 0.960 | C | 0.10 | 0.0027 |
| 73575-55-0 | PCB-94 | 0.466 | | 0.050 | 0.0029 |
| 38379-99-6 | PCB-95 | 0.486 | | 0.050 | 0.0027 |
| 73575-54-9 | PCB-96 | 0.474 | | 0.050 | 0.0021 |
| 41464-51-1 | PCB-97 | 2.77 | C86 | 0.30 | 0.0022 |
| 60233-25-2 | PCB-98 | 0.968 | C | 0.10 | 0.0026 |
| 38380-01-7 | PCB-99 | 0.988 | C83 | 0.10 | 0.0028 |
| 39485-83-1 | PCB-100 | 0.960 | C93 | 0.10 | 0.0027 |
| 37680-73-2 | PCB-101 | 1.44 | C90 | 0.15 | 0.0023 |
| 68194-06-9 | PCB-102 | 0.968 | C98 | 0.10 | 0.0026 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.476 | | 0.050 | 0.0025 |
| 56558-16-8 | PCB-104 | 0.480 | | 0.050 | 0.0019 |
| 32598-14-4 | PCB-105 | 0.482 | | 0.050 | 0.010 |
| 70424-69-0 | PCB-106 | 0.466 | | 0.050 | 0.011 |
| 70424-68-9 | PCB-107 | 0.464 | | 0.050 | 0.0099 |
| 70362-41-3 | PCB-108 | 0.935 | C | 0.10 | 0.011 |
| 74472-35-8 | PCB-109 | 2.77 | C86 | 0.30 | 0.0022 |
| 38380-03-9 | PCB-110 | 0.963 | C | 0.10 | 0.0019 |
| 39635-32-0 | PCB-111 | 0.481 | | 0.050 | 0.0018 |
| 74472-36-9 | PCB-112 | 0.487 | | 0.050 | 0.0019 |
| 68194-10-5 | PCB-113 | 1.44 | C90 | 0.15 | 0.0023 |
| 74472-37-0 | PCB-114 | 0.489 | | 0.050 | 0.010 |
| 74472-38-1 | PCB-115 | 0.963 | C110 | 0.10 | 0.0019 |
| 18259-05-7 | PCB-116 | 1.42 | C85 | 0.15 | 0.0021 |
| 68194-11-6 | PCB-117 | 1.42 | C85 | 0.15 | 0.0021 |
| 31508-00-6 | PCB-118 | 0.465 | | 0.050 | 0.010 |
| 56558-17-9 | PCB-119 | 2.77 | C86 | 0.30 | 0.0022 |
| 68194-12-7 | PCB-120 | 0.483 | | 0.050 | 0.0017 |
| 56558-18-0 | PCB-121 | 0.469 | | 0.050 | 0.0019 |
| 76842-07-4 | PCB-122 | 0.468 | | 0.050 | 0.012 |
| 65510-44-3 | PCB-123 | 0.462 | | 0.050 | 0.010 |
| 70424-70-3 | PCB-124 | 0.935 | C108 | 0.10 | 0.011 |
| 74472-39-2 | PCB-125 | 2.77 | C86 | 0.30 | 0.0022 |
| 57465-28-8 | PCB-126 | 0.463 | | 0.050 | 0.0095 |
| 39635-33-1 | PCB-127 | 0.503 | | 0.050 | 0.010 |
| 38380-07-3 | PCB-128 | 0.859 | C | 0.10 | 0.0039 |
| 55215-18-4 | PCB-129 | 1.71 | C | 0.20 | 0.0040 |
| 52663-66-8 | PCB-130 | 0.434 | | 0.050 | 0.0053 |
| 61798-70-7 | PCB-131 | 0.414 | | 0.050 | 0.0051 |
| 38380-05-1 | PCB-132 | 0.426 | | 0.050 | 0.0050 |
| 35694-04-3 | PCB-133 | 0.428 | | 0.050 | 0.0048 |
| 52704-70-8 | PCB-134 | 0.851 | C | 0.10 | 0.0051 |
| 52744-13-5 | PCB-135 | 0.895 | C | 0.10 | 0.0027 |
| 38411-22-2 | PCB-136 | 0.453 | | 0.050 | 0.0020 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 0.412 | | 0.050 | 0.0041 |
| 35065-28-2 | PCB-138 | 1.71 | C129 | 0.20 | 0.0040 |
| 56030-56-9 | PCB-139 | 0.840 | C | 0.10 | 0.0044 |
| 59291-64-4 | PCB-140 | 0.840 | C139 | 0.10 | 0.0044 |
| 52712-04-6 | PCB-141 | 0.437 | | 0.050 | 0.0046 |
| 41411-61-4 | PCB-142 | 0.424 | | 0.050 | 0.0051 |
| 68194-15-0 | PCB-143 | 0.851 | C134 | 0.10 | 0.0051 |
| 68194-14-9 | PCB-144 | 0.434 | | 0.050 | 0.0026 |
| 74472-40-5 | PCB-145 | 0.461 | | 0.050 | 0.0020 |
| 51908-16-8 | PCB-146 | 0.417 | | 0.050 | 0.0043 |
| 68194-13-8 | PCB-147 | 0.860 | C | 0.10 | 0.0045 |
| 74472-41-6 | PCB-148 | 0.451 | | 0.050 | 0.0026 |
| 38380-04-0 | PCB-149 | 0.860 | C147 | 0.10 | 0.0045 |
| 68194-08-1 | PCB-150 | 0.451 | | 0.050 | 0.0019 |
| 52663-63-5 | PCB-151 | 0.895 | C135 | 0.10 | 0.0027 |
| 68194-09-2 | PCB-152 | 0.432 | | 0.050 | 0.0019 |
| 35065-27-1 | PCB-153 | 0.874 | C | 0.10 | 0.0036 |
| 60145-22-4 | PCB-154 | 0.449 | | 0.050 | 0.0023 |
| 33979-03-2 | PCB-155 | 0.439 | | 0.050 | 0.0018 |
| 38380-08-4 | PCB-156 | 0.924 | C | 0.10 | 0.0041 |
| 69782-90-7 | PCB-157 | 0.924 | C156 | 0.10 | 0.0041 |
| 74472-42-7 | PCB-158 | 0.438 | | 0.050 | 0.0032 |
| 39635-35-3 | PCB-159 | 0.437 | | 0.050 | 0.0033 |
| 41411-62-5 | PCB-160 | 1.71 | C129 | 0.20 | 0.0040 |
| 74472-43-8 | PCB-161 | 0.430 | | 0.050 | 0.0033 |
| 39635-34-2 | PCB-162 | 0.452 | | 0.050 | 0.0032 |
| 74472-44-9 | PCB-163 | 1.71 | C129 | 0.20 | 0.0040 |
| 74472-45-0 | PCB-164 | 0.450 | | 0.050 | 0.0035 |
| 74472-46-1 | PCB-165 | 0.437 | | 0.050 | 0.0039 |
| 41411-63-6 | PCB-166 | 0.859 | C128 | 0.10 | 0.0039 |
| 52663-72-6 | PCB-167 | 0.473 | | 0.050 | 0.0029 |
| 59291-65-5 | PCB-168 | 0.874 | C153 | 0.10 | 0.0036 |
| 32774-16-6 | PCB-169 | 0.460 | | 0.050 | 0.0029 |
| 35065-30-6 | PCB-170 | 0.509 | | 0.050 | 0.0028 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-71-5 | PCB-171 | 0.953 | C | 0.10 | 0.0027 |
| 52663-74-8 | PCB-172 | 0.491 | | 0.050 | 0.0026 |
| 68194-16-1 | PCB-173 | 0.953 | C171 | 0.10 | 0.0027 |
| 38411-25-5 | PCB-174 | 0.489 | | 0.050 | 0.0027 |
| 40186-70-7 | PCB-175 | 0.466 | | 0.050 | 0.0024 |
| 52663-65-7 | PCB-176 | 0.466 | | 0.050 | 0.0017 |
| 52663-70-4 | PCB-177 | 0.487 | | 0.050 | 0.0027 |
| 52663-67-9 | PCB-178 | 0.471 | | 0.050 | 0.0025 |
| 52663-64-6 | PCB-179 | 0.470 | | 0.050 | 0.0018 |
| 35065-29-3 | PCB-180 | 0.972 | C | 0.10 | 0.0021 |
| 74472-47-2 | PCB-181 | 0.471 | | 0.050 | 0.0023 |
| 60145-23-5 | PCB-182 | 0.474 | | 0.050 | 0.0022 |
| 52663-69-1 | PCB-183 | 0.928 | C | 0.10 | 0.0023 |
| 74472-48-3 | PCB-184 | 0.450 | | 0.050 | 0.0018 |
| 52712-05-7 | PCB-185 | 0.928 | C183 | 0.10 | 0.0023 |
| 74472-49-4 | PCB-186 | 0.469 | | 0.050 | 0.0018 |
| 52663-68-0 | PCB-187 | 0.481 | | 0.050 | 0.0023 |
| 74487-85-7 | PCB-188 | 0.442 | | 0.050 | 0.0016 |
| 39635-31-9 | PCB-189 | 0.496 | | 0.050 | 0.0028 |
| 41411-64-7 | PCB-190 | 0.506 | | 0.050 | 0.0019 |
| 74472-50-7 | PCB-191 | 0.495 | | 0.050 | 0.0019 |
| 74472-51-8 | PCB-192 | 0.492 | | 0.050 | 0.0020 |
| 69782-91-8 | PCB-193 | 0.972 | C180 | 0.10 | 0.0021 |
| 35694-08-7 | PCB-194 | 0.479 | | 0.050 | 0.0041 |
| 52663-78-2 | PCB-195 | 0.485 | | 0.050 | 0.0049 |
| 42740-50-1 | PCB-196 | 0.477 | | 0.050 | 0.0019 |
| 33091-17-7 | PCB-197 | 0.464 | | 0.050 | 0.0014 |
| 68194-17-2 | PCB-198 | 0.970 | C | 0.10 | 0.0020 |
| 52663-75-9 | PCB-199 | 0.970 | C198 | 0.10 | 0.0020 |
| 52663-73-7 | PCB-200 | 0.472 | | 0.050 | 0.0014 |
| 40186-71-8 | PCB-201 | 0.456 | | 0.050 | 0.0014 |
| 2136-99-4 | PCB-202 | 0.456 | | 0.050 | 0.0015 |
| 52663-76-0 | PCB-203 | 0.485 | | 0.050 | 0.0018 |
| 74472-52-9 | PCB-204 | 0.467 | | 0.050 | 0.0015 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74472-53-0 | PCB-205 | 0.461 | | 0.050 | 0.0031 |
| 40186-72-9 | PCB-206 | 0.463 | | 0.050 | 0.0078 |
| 52663-79-3 | PCB-207 | 0.463 | | 0.050 | 0.0056 |
| 52663-77-1 | PCB-208 | 0.436 | | 0.050 | 0.0058 |
| 2051-24-3 | PCB-209 | 0.471 | | 0.050 | 0.0017 |
| 27323-18-8 | Total Monochlorobiphenyls | 1.47 | | 0.050 | 0.0035 |
| 25512-42-9 | Total Dichlorobiphenyls | 5.61 | | 0.10 | 0.0030 |
| 25323-68-6 | Total Trichlorobiphenyls | 11.0 | | 0.10 | 0.0046 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 19.1 | | 0.20 | 0.0040 |
| 25429-29-2 | Total Pentachlorobiphenyls | 21.9 | | 0.30 | 0.0050 |
| 26601-64-9 | Total Hexachlorobiphenyls | 18.4 | | 0.20 | 0.0036 |
| 28655-71-2 | Total Heptachlorobiphenyls | 11.5 | | 0.10 | 0.0022 |
| 55722-26-4 | Total Octachlorobiphenyls | 5.67 | | 0.10 | 0.0023 |
| 53742-07-7 | Total Nonachlorobiphenyls | 1.36 | | 0.050 | 0.0064 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 96.4 | | 0.30 | 0.0036 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-33628/13-B

Matrix: Solid  Lab File ID: lcs140-3362813-b_191003123749.

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 09/17/2019 12:25

Sample wt/vol: 10(g)  Date Analyzed: 10/03/2019 12:37

Con. Extract Vol.: 20(mL)  Dilution Factor: 5

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34146  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 59 | | 30-140 |
| 208263-77-8 | PCB-3L | 61 | | 30-140 |
| 234432-86-1 | PCB-4L | 64 | | 30-140 |
| 208263-67-6 | PCB-15L | 73 | | 30-140 |
| 234432-87-2 | PCB-19L | 64 | | 30-140 |
| 208263-79-0 | PCB-37L | 76 | | 30-140 |
| 234432-88-3 | PCB-54L | 63 | | 30-140 |
| 105600-23-5 | PCB-77L | 79 | | 30-140 |
| 208461-24-9 | PCB-81L | 77 | | 30-140 |
| 234432-89-4 | PCB-104L | 82 | | 30-140 |
| 208263-62-1 | PCB-105L | 72 | | 30-140 |
| 208263-63-2 | PCB-114L | 70 | | 30-140 |
| 104130-40-7 | PCB-118L | 74 | | 30-140 |
| 208263-64-3 | PCB-123L | 75 | | 30-140 |
| 208263-65-4 | PCB-126L | 82 | | 30-140 |
| 234432-90-7 | PCB-155L | 96 | | 30-140 |
| 208263-68-7 | PCB-156L | 82 | C | 30-140 |
| 235416-30-5 | PCB-157L | 82 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 80 | | 30-140 |
| 208263-70-1 | PCB-169L | 97 | | 30-140 |
| 160901-80-4 | PCB-170L | 72 | | 30-140 |
| 234432-91-8 | PCB-188L | 76 | | 30-140 |
| 208263-73-4 | PCB-189L | 71 | | 30-140 |
| 105600-26-8 | PCB-202L | 83 | | 30-140 |
| 234446-64-1 | PCB-205L | 70 | | 30-140 |
| 208263-75-6 | PCB-206L | 69 | | 30-140 |
| 234432-92-9 | PCB-208L | 73 | | 30-140 |
| 105600-27-9 | PCB-209L | 73 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 77 | | 40-125 |
| 235416-29-2 | PCB-111L | 89 | | 40-125 |
| 232919-67-4 | PCB-178L | 84 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d
Lims ID: LCS 140-33628/13-B
Client ID:
Sample Type: LCS
Inject. Date: 03-Oct-2019 12:37:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-002
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 16:02:18 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0323

First Level Reviewer: nordquistj Date: 03-Oct-2019 16:02:18

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 29.3 | 29.3 | 0.0704 | 0.0704 | | |
| D PCB-1L | 12:01 | 484391 | 2.72 | 1.3140 | 11.9 | 11.9 | 0.3565 | 0.3565 | 59.26 | Ma |
| D PCB-3L | 14:06 | 514542 | 3.04 | 1.3615 | 12.2 | 12.2 | 0.3440 | 0.3440 | 60.75 | M |
| PCB-1 | 12:02 | 265163 | 3.03 | 1.1883 | 9.214 | 9.214 | 0.0630 | 0.0630 | 92.14 | a |
| PCB-2 | 13:57 | 310909 | 3.15 | 1.1911 | 10.5 | 10.5 | 0.0702 | 0.0702 | 105 | |
| PCB-3 | 14:07 | 301590 | 3.13 | 1.2130 | 9.664 | 9.664 | 0.0781 | 0.0781 | 96.64 | |
| S Total Dichlorobiphenyls | | | | | 112.1 | 112.1 | 0.0591 | 0.0591 | | |
| D PCB-4L | 14:20 | 239461 | 1.51 | 0.5996 | 12.8 | 12.8 | 0.3467 | 0.3467 | 64.21 | |
| * PCB-9L | 16:16 | 622038 | 1.77 | 4E+04 | 20.0 | 20.0 | | | 100 | |
| D PCB-15L | 20:06 | 468704 | 1.66 | 1.0280 | 14.7 | 14.7 | 0.2022 | 0.2022 | 73.30 | |
| PCB-4 | 14:22 | 143102 | 1.53 | 1.2533 | 9.536 | 9.536 | 0.1153 | 0.1153 | 95.36 | |
| PCB-10 | 14:31 | 240324 | 1.60 | 1.4828 | 9.155 | 9.155 | 0.0584 | 0.0584 | 91.55 | a |
| PCB-9 | 16:16 | 245201 | 1.63 | 1.4200 | 9.754 | 9.754 | 0.0610 | 0.0610 | 97.54 | a |
| PCB-7 | 16:26 | 272977 | 1.60 | 1.6244 | 9.492 | 9.492 | 0.0533 | 0.0533 | 94.92 | a |
| PCB-6 | 16:40 | 252269 | 1.57 | 1.5539 | 9.170 | 9.170 | 0.0558 | 0.0558 | 91.70 | a |
| PCB-5 | 16:58 | 248731 | 1.52 | 1.5606 | 9.002 | 9.002 | 0.0555 | 0.0555 | 90.02 | a |
| PCB-8 | 17:06 | 255771 | 1.67 | 1.5884 | 9.096 | 9.096 | 0.0546 | 0.0546 | 90.96 | a |
| PCB-14 | 18:42 | 322129 | 1.58 | 1.8738 | 9.711 | 9.711 | 0.0462 | 0.0462 | 97.11 | |
| PCB-11 | 19:30 | 288499 | 1.74 | 1.6347 | 9.969 | 9.969 | 0.0530 | 0.0530 | 99.69 | |
| PCB-12 | 19:50 | 535520 | 1.61 | 1.6410 | 18.4 | 18.4 | 0.0528 | 0.0528 | 92.16 | |
| PCB-13 (C12) | 19:50 | 535520 | 1.61 | 1.6410 | 18.4 | 18.4 | 0.0528 | 0.0528 | 92.16 | |
| PCB-15 | 20:07 | 288625 | 1.58 | 1.4024 | 8.782 | 8.782 | 0.0441 | 0.0441 | 87.82 | |
| S Total Trichlorobiphenyl | | | | | 220.4 | 220.4 | 0.0927 | 0.0927 | | |
| D PCB-19L | 17:22 | 183266 | 1.04 | 0.6095 | 12.9 | 12.9 | 0.6486 | 0.6486 | 64.43 | |
| * PCB-32L | 20:34 | 466705 | 1.10 | 2.2E+04 | 20.0 | 20.0 | | | 100 | |
| * PCB-31L | 22:48 | 935849 | 1.04 | 6.8E+04 | 20.0 | 20.0 | | | 100 | |
| $ PCB-28L | 23:06 | 787423 | 1.04 | 1.0975 | 15.3 | 15.3 | 0.1618 | 0.1618 | 76.66 | |
| D PCB-37L | 27:04 | 642494 | 1.05 | 0.9024 | 15.2 | 15.2 | 0.1968 | 0.1968 | 76.08 | |
| PCB-19 | 17:23 | 105175 | 1.05 | 1.3047 | 8.797 | 8.797 | 0.0981 | 0.0981 | 87.97 | |
| PCB-18 | 19:12 | 317809 | 1.05 | 1.8188 | 19.1 | 19.1 | 0.0704 | 0.0704 | 95.35 | |
| PCB-30 (C18) | 19:12 | 317809 | 1.05 | 1.8188 | 19.1 | 19.1 | 0.0704 | 0.0704 | 95.35 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:38 | 131992 | 1.07 | 1.5641 | 9.209 | 9.209 | 0.0819 | 0.0819 | 92.09 | a |
| PCB-27 | 19:51 | 183023 | 1.07 | 2.1680 | 9.213 | 9.213 | 0.0591 | 0.0591 | 92.13 | a |
| PCB-24 | 19:58 | 166114 | 1.02 | 2.1018 | 8.625 | 8.625 | 0.0609 | 0.0609 | 86.25 | a |
| PCB-16 | 20:05 | 94475 | 1.03 | 1.2260 | 8.410 | 8.410 | 0.1045 | 0.1045 | 84.10 | a |
| PCB-32 | 20:35 | 204668 | 1.03 | 2.3416 | 9.539 | 9.539 | 0.0547 | 0.0547 | 95.39 | a |
| PCB-34 | 21:50 | 377830 | 1.08 | 1.2154 | 9.677 | 9.677 | 0.1096 | 0.1096 | 96.77 | a |
| PCB-23 | 21:59 | 378304 | 1.08 | 1.2675 | 9.291 | 9.291 | 0.1051 | 0.1051 | 92.91 | a |
| PCB-26 | 22:18 | 780550 | 1.09 | 1.3193 | 18.4 | 18.4 | 0.1010 | 0.1010 | 92.09 | a |
| PCB-29 (C26) | 22:18 | 780550 | 1.09 | 1.3193 | 18.4 | 18.4 | 0.1010 | 0.1010 | 92.09 | a |
| PCB-25 | 22:31 | 396934 | 1.06 | 1.3523 | 9.137 | 9.137 | 0.0985 | 0.0985 | 91.37 | |
| PCB-31 | 22:50 | 408947 | 1.07 | 1.3809 | 9.219 | 9.219 | 0.0965 | 0.0965 | 92.19 | |
| PCB-20 | 23:08 | 761996 | 1.07 | 1.3057 | 18.2 | 18.2 | 0.1021 | 0.1021 | 90.83 | |
| PCB-28 (C20) | 23:08 | 761996 | 1.07 | 1.3057 | 18.2 | 18.2 | 0.1021 | 0.1021 | 90.83 | |
| PCB-21 | 23:21 | 782263 | 1.06 | 1.3777 | 17.7 | 17.7 | 0.0967 | 0.0967 | 88.38 | M |
| PCB-33 (C21) | 23:21 | 782263 | 1.06 | 1.3777 | 17.7 | 17.7 | 0.0967 | 0.0967 | 88.38 | M |
| PCB-22 | 23:45 | 360333 | 1.09 | 1.2430 | 9.024 | 9.024 | 0.1072 | 0.1072 | 90.24 | |
| PCB-36 | 25:17 | 416812 | 1.12 | 1.3468 | 9.634 | 9.634 | 0.0989 | 0.0989 | 96.34 | |
| PCB-39 | 25:38 | 424169 | 1.08 | 1.3970 | 9.451 | 9.451 | 0.0954 | 0.0954 | 94.51 | |
| PCB-38 | 26:14 | 385815 | 1.10 | 1.3177 | 9.115 | 9.115 | 0.1011 | 0.1011 | 91.15 | Ma |
| PCB-35 | 26:41 | 366395 | 1.05 | 1.2166 | 9.374 | 9.374 | 0.1095 | 0.1095 | 93.74 | M |
| PCB-37 | 27:06 | 389112 | 1.09 | 1.2879 | 9.405 | 9.405 | 0.1035 | 0.1035 | 94.05 | |
| S Total Tetrachlorobiphen | | | | | 382.9 | 382.9 | 0.0796 | 0.0796 | | |
| D PCB-54L | 20:24 | 192252 | 0.79 | 0.6515 | 12.6 | 12.6 | 0.0905 | 0.0905 | 63.23 | |
| * PCB-52L | 24:55 | 500085 | 0.80 | 3.9E+04 | 20.0 | 20.0 | | | 100 | |
| D PCB-81L | 33:48 | 472539 | 0.80 | 1.2328 | 15.3 | 15.3 | 0.0545 | 0.0545 | 76.65 | |
| D PCB-77L | 34:21 | 495794 | 0.80 | 1.2523 | 15.8 | 15.8 | 0.0537 | 0.0537 | 79.17 | |
| PCB-54 | 20:25 | 110511 | 0.78 | 1.2558 | 9.155 | 9.155 | 0.0338 | 0.0338 | 91.55 | |
| PCB-50 | 22:34 | 417890 | 0.80 | 0.9362 | 18.4 | 18.4 | 0.1011 | 0.1011 | 92.20 | |
| PCB-53 (C50) | 22:34 | 417890 | 0.80 | 0.9362 | 18.4 | 18.4 | 0.1011 | 0.1011 | 92.20 | |
| PCB-45 | 23:18 | 387058 | 0.81 | 0.8850 | 18.1 | 18.1 | 0.1070 | 0.1070 | 90.33 | M |
| PCB-51 (C45) | 23:18 | 387058 | 0.81 | 0.8850 | 18.1 | 18.1 | 0.1070 | 0.1070 | 90.33 | M |
| PCB-46 | 23:32 | 168800 | 0.75 | 0.7591 | 9.186 | 9.186 | 0.1247 | 0.1247 | 91.86 | a |
| PCB-52 | 24:56 | 206332 | 0.78 | 0.8992 | 9.478 | 9.478 | 0.1053 | 0.1053 | 94.78 | a |
| PCB-43 | 25:05 | 449080 | 0.80 | 0.9993 | 18.6 | 18.6 | 0.0947 | 0.0947 | 92.81 | M |
| PCB-73 (C43) | 25:05 | 449080 | 0.80 | 0.9993 | 18.6 | 18.6 | 0.0947 | 0.0947 | 92.81 | M |
| PCB-49 | 25:24 | 500692 | 0.80 | 1.1366 | 18.2 | 18.2 | 0.0833 | 0.0833 | 90.99 | |
| PCB-69 (C49) | 25:24 | 500692 | 0.80 | 1.1366 | 18.2 | 18.2 | 0.0833 | 0.0833 | 90.99 | |
| PCB-48 | 25:42 | 215411 | 0.80 | 0.9454 | 9.412 | 9.412 | 0.1002 | 0.1002 | 94.12 | a |
| PCB-44 | 25:57 | 668110 | 0.78 | 1.0323 | 26.7 | 26.7 | 0.0917 | 0.0917 | 89.12 | |
| PCB-47 (C44) | 25:57 | 668110 | 0.78 | 1.0323 | 26.7 | 26.7 | 0.0917 | 0.0917 | 89.12 | |
| PCB-65 (C44) | 25:57 | 668110 | 0.78 | 1.0323 | 26.7 | 26.7 | 0.0917 | 0.0917 | 89.12 | |
| PCB-59 | 26:14 | 859187 | 0.77 | 1.3609 | 26.1 | 26.1 | 0.0696 | 0.0696 | 86.93 | |
| PCB-62 (C59) | 26:14 | 859187 | 0.77 | 1.3609 | 26.1 | 26.1 | 0.0696 | 0.0696 | 86.93 | |
| PCB-75 (C59) | 26:14 | 859187 | 0.77 | 1.3609 | 26.1 | 26.1 | 0.0696 | 0.0696 | 86.93 | |
| PCB-42 | 26:27 | 194875 | 0.83 | 0.8670 | 9.284 | 9.284 | 0.1092 | 0.1092 | 92.84 | a |
| PCB-40 | 26:56 | 598450 | 0.79 | 0.9179 | 26.9 | 26.9 | 0.1032 | 0.1032 | 89.77 | Ma |
| PCB-41 (C40) | 26:56 | 598450 | 0.79 | 0.9179 | 26.9 | 26.9 | 0.1032 | 0.1032 | 89.77 | Ma |
| PCB-71 (C40) | 26:56 | 598450 | 0.79 | 0.9179 | 26.9 | 26.9 | 0.1032 | 0.1032 | 89.77 | Ma |
| PCB-64 | 27:09 | 301917 | 0.80 | 1.4164 | 8.805 | 8.805 | 0.0668 | 0.0668 | 88.05 | a |
| PCB-72 | 27:59 | 303617 | 0.81 | 1.3157 | 9.532 | 9.532 | 0.0720 | 0.0720 | 95.32 | |
| PCB-68 | 28:17 | 334697 | 0.76 | 1.4782 | 9.353 | 9.353 | 0.0641 | 0.0641 | 93.53 | |
| PCB-57 | 28:41 | 283850 | 0.78 | 1.2817 | 9.148 | 9.148 | 0.0739 | 0.0739 | 91.48 | |
| PCB-58 | 28:56 | 303745 | 0.77 | 1.3214 | 9.496 | 9.496 | 0.0717 | 0.0717 | 94.96 | |
| PCB-67 | 29:05 | 307735 | 0.80 | 1.3944 | 9.116 | 9.116 | 0.0679 | 0.0679 | 91.16 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:22 | 325877 | 0.79 | 1.4685 | 9.167 | 9.167 | 0.0645 | 0.0645 | 91.67 | |
| PCB-61 | 29:41 | 1164669 | 0.80 | 1.3565 | 35.5 | 35.5 | 0.0698 | 0.0698 | 88.66 | |
| PCB-70 (C61) | 29:41 | 1164669 | 0.80 | 1.3565 | 35.5 | 35.5 | 0.0698 | 0.0698 | 88.66 | |
| PCB-74 (C61) | 29:41 | 1164669 | 0.80 | 1.3565 | 35.5 | 35.5 | 0.0698 | 0.0698 | 88.66 | |
| PCB-76 (C61) | 29:41 | 1164669 | 0.80 | 1.3565 | 35.5 | 35.5 | 0.0698 | 0.0698 | 88.66 | |
| PCB-66 | 30:01 | 290340 | 0.81 | 1.2800 | 9.370 | 9.370 | 0.0740 | 0.0740 | 93.70 | |
| PCB-55 | 30:10 | 288312 | 0.80 | 1.2951 | 9.196 | 9.196 | 0.0731 | 0.0731 | 91.96 | |
| PCB-56 | 30:41 | 283530 | 0.79 | 1.2671 | 9.243 | 9.243 | 0.0747 | 0.0747 | 92.43 | |
| PCB-60 | 30:54 | 290981 | 0.78 | 1.3288 | 9.046 | 9.046 | 0.0713 | 0.0713 | 90.46 | |
| PCB-80 | 31:18 | 327677 | 0.81 | 1.4694 | 9.212 | 9.212 | 0.0644 | 0.0644 | 92.12 | |
| PCB-79 | 32:49 | 348594 | 0.78 | 1.5421 | 9.338 | 9.338 | 0.0614 | 0.0614 | 93.38 | |
| PCB-78 | 33:23 | 276787 | 0.77 | 1.3150 | 8.695 | 8.695 | 0.0720 | 0.0720 | 86.95 | |
| PCB-81 | 33:49 | 308823 | 0.86 | 1.3214 | 9.891 | 9.891 | 0.0710 | 0.0710 | 98.91 | |
| PCB-77 | 34:23 | 307410 | 0.79 | 1.3308 | 9.318 | 9.318 | 0.0718 | 0.0718 | 93.18 | |
| S Total Pentachlorobiphen | | | | | 437.1 | 437.1 | 0.0996 | 0.0996 | | |
| D PCB-104L | 25:51 | 349291 | 1.70 | 1.1164 | 16.3 | 16.3 | 0.0353 | 0.0353 | 81.74 | |
| * PCB-101L | 31:44 | 382755 | 1.59 | 3.4E+04 | 20.0 | 20.0 | | | 100 | |
| $ PCB-111L | 34:24 | 414898 | 1.70 | 1.2177 | 17.8 | 17.8 | 0.0324 | 0.0324 | 89.02 | |
| D PCB-123L | 36:22 | 478613 | 1.65 | 0.9909 | 14.9 | 14.9 | 0.4265 | 0.4265 | 74.70 | |
| D PCB-118L | 36:41 | 492746 | 1.62 | 1.0256 | 14.9 | 14.9 | 0.4121 | 0.4121 | 74.31 | |
| D PCB-114L | 37:13 | 455413 | 1.62 | 1.0030 | 14.0 | 14.0 | 0.4214 | 0.4214 | 70.22 | |
| D PCB-105L | 37:51 | 465114 | 1.63 | 1.0013 | 14.4 | 14.4 | 0.4221 | 0.4221 | 71.84 | |
| * PCB-127L | 39:20 | 646583 | 1.56 | 4.9E+04 | 20.0 | 20.0 | | | 100 | |
| D PCB-126L | 40:57 | 480694 | 1.50 | 0.9020 | 16.5 | 16.5 | 0.4685 | 0.4685 | 82.42 | |
| PCB-104 | 25:53 | 233254 | 1.52 | 1.3926 | 9.591 | 9.591 | 0.0374 | 0.0374 | 95.91 | |
| PCB-96 | 26:14 | 203238 | 1.56 | 1.2268 | 9.486 | 9.486 | 0.0425 | 0.0425 | 94.86 | |
| PCB-103 | 28:11 | 171768 | 1.52 | 1.0331 | 9.520 | 9.520 | 0.0504 | 0.0504 | 95.20 | |
| PCB-94 | 28:23 | 147148 | 1.57 | 0.9036 | 9.324 | 9.324 | 0.0576 | 0.0576 | 93.24 | |
| PCB-95 | 28:49 | 163412 | 1.60 | 0.9620 | 9.726 | 9.726 | 0.0541 | 0.0541 | 97.26 | |
| PCB-93 | 29:03 | 328915 | 1.61 | 0.9806 | 19.2 | 19.2 | 0.0531 | 0.0531 | 96.03 | |
| PCB-100 (C93) | 29:03 | 328915 | 1.61 | 0.9806 | 19.2 | 19.2 | 0.0531 | 0.0531 | 96.03 | |
| PCB-98 | 29:12 | 334473 | 1.57 | 0.9888 | 19.4 | 19.4 | 0.0527 | 0.0527 | 96.84 | M |
| PCB-102 (C98) | 29:12 | 334473 | 1.57 | 0.9888 | 19.4 | 19.4 | 0.0527 | 0.0527 | 96.84 | M |
| PCB-88 | 29:41 | 323902 | 1.59 | 1.0052 | 18.4 | 18.4 | 0.0518 | 0.0518 | 92.25 | |
| PCB-91 (C88) | 29:41 | 323902 | 1.59 | 1.0052 | 18.4 | 18.4 | 0.0518 | 0.0518 | 92.25 | |
| PCB-84 | 29:54 | 141046 | 1.57 | 0.8601 | 9.389 | 9.389 | 0.0605 | 0.0605 | 93.89 | |
| PCB-89 | 30:23 | 147415 | 1.61 | 0.8936 | 9.446 | 9.446 | 0.0583 | 0.0583 | 94.46 | |
| PCB-121 | 30:49 | 228797 | 1.67 | 1.3971 | 9.377 | 9.377 | 0.0373 | 0.0373 | 93.77 | |
| PCB-92 | 31:11 | 165664 | 1.58 | 0.9532 | 9.951 | 9.951 | 0.0546 | 0.0546 | 99.51 | |
| PCB-90 | 31:45 | 573288 | 1.61 | 1.1367 | 28.9 | 28.9 | 0.0458 | 0.0458 | 96.26 | |
| PCB-101 (C90) | 31:45 | 573288 | 1.61 | 1.1367 | 28.9 | 28.9 | 0.0458 | 0.0458 | 96.26 | |
| PCB-113 (C90) | 31:45 | 573288 | 1.61 | 1.1367 | 28.9 | 28.9 | 0.0458 | 0.0458 | 96.26 | |
| PCB-83 | 32:20 | 324320 | 1.55 | 0.9393 | 19.8 | 19.8 | 0.0554 | 0.0554 | 98.85 | |
| PCB-99 (C83) | 32:20 | 324320 | 1.55 | 0.9393 | 19.8 | 19.8 | 0.0554 | 0.0554 | 98.85 | |
| PCB-112 | 32:27 | 232564 | 1.62 | 1.3672 | 9.740 | 9.740 | 0.0381 | 0.0381 | 97.40 | |
| PCB-86 | 32:49 | 1154980 | 1.59 | 1.1958 | 55.3 | 55.3 | 0.0436 | 0.0436 | 92.18 | Ma |
| PCB-87 (C86) | 32:49 | 1154980 | 1.59 | 1.1958 | 55.3 | 55.3 | 0.0436 | 0.0436 | 92.18 | Ma |
| PCB-97 (C86) | 32:49 | 1154980 | 1.59 | 1.1958 | 55.3 | 55.3 | 0.0436 | 0.0436 | 92.18 | Ma |
| PCB-109 (C86) | 32:49 | 1154980 | 1.59 | 1.1958 | 55.3 | 55.3 | 0.0436 | 0.0436 | 92.18 | Ma |
| PCB-119 (C86) | 32:49 | 1154980 | 1.59 | 1.1958 | 55.3 | 55.3 | 0.0436 | 0.0436 | 92.18 | Ma |
| PCB-125 (C86) | 32:49 | 1154980 | 1.59 | 1.1958 | 55.3 | 55.3 | 0.0436 | 0.0436 | 92.18 | Ma |
| PCB-85 | 33:34 | 602239 | 1.62 | 1.2126 | 28.4 | 28.4 | 0.0429 | 0.0429 | 94.79 | |
| PCB-116 (C85) | 33:34 | 602239 | 1.62 | 1.2126 | 28.4 | 28.4 | 0.0429 | 0.0429 | 94.79 | |
| PCB-117 (C85) | 33:34 | 602239 | 1.62 | 1.2126 | 28.4 | 28.4 | 0.0429 | 0.0429 | 94.79 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:47 | 454427 | 1.60 | 1.3511 | 19.3 | 19.3 | 0.0385 | 0.0385 | 96.29 | |
| PCB-115 (C110) | 33:47 | 454427 | 1.60 | 1.3511 | 19.3 | 19.3 | 0.0385 | 0.0385 | 96.29 | |
| PCB-82 | 34:02 | 145614 | 1.59 | 0.8675 | 9.611 | 9.611 | 0.0600 | 0.0600 | 96.11 | |
| PCB-111 | 34:26 | 239848 | 1.56 | 1.4262 | 9.630 | 9.630 | 0.0365 | 0.0365 | 96.30 | a |
| PCB-120 | 34:54 | 251318 | 1.55 | 1.4907 | 9.653 | 9.653 | 0.0349 | 0.0349 | 96.53 | |
| PCB-108 | 36:01 | 556931 | 1.60 | 1.2547 | 18.7 | 18.7 | 0.2149 | 0.2149 | 93.54 | |
| PCB-124 (C108) | 36:01 | 556931 | 1.60 | 1.2547 | 18.7 | 18.7 | 0.2149 | 0.2149 | 93.54 | |
| PCB-107 | 36:16 | 299125 | 1.57 | 1.3580 | 9.284 | 9.284 | 0.1985 | 0.1985 | 92.84 | a |
| PCB-123 | 36:23 | 296326 | 1.59 | 1.3407 | 9.236 | 9.236 | 0.2057 | 0.2057 | 92.36 | |
| PCB-106 | 36:30 | 281827 | 1.62 | 1.2749 | 9.317 | 9.317 | 0.2115 | 0.2115 | 93.17 | |
| PCB-118 | 36:42 | 295676 | 1.63 | 1.2892 | 9.309 | 9.309 | 0.2038 | 0.2038 | 93.09 | |
| PCB-122 | 37:03 | 258122 | 1.67 | 1.1614 | 9.368 | 9.368 | 0.2321 | 0.2321 | 93.68 | |
| PCB-114 | 37:14 | 312818 | 1.59 | 1.4051 | 9.777 | 9.777 | 0.2043 | 0.2043 | 97.77 | |
| PCB-105 | 37:53 | 288856 | 1.62 | 1.2887 | 9.638 | 9.638 | 0.2086 | 0.2086 | 96.38 | |
| PCB-127 | 39:22 | 306565 | 1.58 | 1.2841 | 10.1 | 10.1 | 0.2099 | 0.2099 | 101 | |
| PCB-126 | 40:58 | 298684 | 1.61 | 1.3416 | 9.263 | 9.263 | 0.1905 | 0.1905 | 92.63 | |
| S Total Hexachlorobipheny | | | | | 367.0 | 367.0 | 0.0712 | 0.0712 | | |
| D PCB-155L | 31:31 | 350561 | 1.27 | 0.9499 | 19.3 | 19.3 | 0.1170 | 0.1170 | 96.42 | |
| * PCB-138L | 39:48 | 444855 | 1.28 | 3.6E+04 | 20.0 | 20.0 | | | 100 | |
| D PCB-167L | 42:49 | 447709 | 1.31 | 1.2544 | 16.0 | 16.0 | 0.1156 | 0.1156 | 80.23 | |
| D PCB-156L | 43:57 | 894855 | 1.27 | 1.2289 | 32.7 | 32.7 | 0.1180 | 0.1180 | 81.84 | |
| D PCB-157L (C156L) | 43:57 | 894855 | 1.27 | 1.2289 | 32.7 | 32.7 | 0.1180 | 0.1180 | 81.84 | |
| D PCB-169L | 47:12 | 470289 | 1.24 | 1.0883 | 19.4 | 19.4 | 0.1332 | 0.1332 | 97.14 | |
| PCB-155 | 31:32 | 200692 | 1.27 | 1.3028 | 8.788 | 8.788 | 0.0360 | 0.0360 | 87.88 | |
| PCB-152 | 31:44 | 190192 | 1.32 | 1.2556 | 8.642 | 8.642 | 0.0374 | 0.0374 | 86.42 | |
| PCB-150 | 31:53 | 195733 | 1.28 | 1.2368 | 9.028 | 9.028 | 0.0380 | 0.0380 | 90.28 | |
| PCB-136 | 32:15 | 183765 | 1.24 | 1.1563 | 9.067 | 9.067 | 0.0406 | 0.0406 | 90.67 | |
| PCB-145 | 32:33 | 192466 | 1.27 | 1.1910 | 9.220 | 9.220 | 0.0394 | 0.0394 | 92.20 | |
| PCB-148 | 34:04 | 141860 | 1.26 | 0.8982 | 9.011 | 9.011 | 0.0523 | 0.0523 | 90.11 | |
| PCB-135 | 34:39 | 272810 | 1.26 | 0.8691 | 17.9 | 17.9 | 0.0540 | 0.0540 | 89.54 | M |
| PCB-151 (C135) | 34:39 | 272810 | 1.26 | 0.8691 | 17.9 | 17.9 | 0.0540 | 0.0540 | 89.54 | M |
| PCB-154 | 34:55 | 160342 | 1.31 | 1.0180 | 8.986 | 8.986 | 0.0461 | 0.0461 | 89.86 | |
| PCB-144 | 35:13 | 139756 | 1.25 | 0.9185 | 8.681 | 8.681 | 0.0511 | 0.0511 | 86.81 | |
| PCB-147 | 35:35 | 379800 | 1.24 | 0.9747 | 17.2 | 17.2 | 0.0899 | 0.0899 | 85.98 | |
| PCB-149 (C147) | 35:35 | 379800 | 1.24 | 0.9747 | 17.2 | 17.2 | 0.0899 | 0.0899 | 85.98 | |
| PCB-134 | 35:52 | 328369 | 1.28 | 0.8518 | 17.0 | 17.0 | 0.1029 | 0.1029 | 85.06 | |
| PCB-143 (C134) | 35:52 | 328369 | 1.28 | 0.8518 | 17.0 | 17.0 | 0.1029 | 0.1029 | 85.06 | |
| PCB-139 | 36:10 | 380499 | 1.27 | 0.9995 | 16.8 | 16.8 | 0.0877 | 0.0877 | 84.00 | |
| PCB-140 (C139) | 36:10 | 380499 | 1.27 | 0.9995 | 16.8 | 16.8 | 0.0877 | 0.0877 | 84.00 | |
| PCB-131 | 36:23 | 160993 | 1.30 | 0.8584 | 8.276 | 8.276 | 0.1021 | 0.1021 | 82.76 | |
| PCB-142 | 36:31 | 165059 | 1.21 | 0.8597 | 8.473 | 8.473 | 0.1019 | 0.1019 | 84.73 | |
| PCB-132 | 36:49 | 169793 | 1.28 | 0.8801 | 8.514 | 8.514 | 0.0996 | 0.0996 | 85.14 | |
| PCB-133 | 37:21 | 175724 | 1.29 | 0.9064 | 8.555 | 8.555 | 0.0967 | 0.0967 | 85.55 | |
| PCB-165 | 37:43 | 222235 | 1.23 | 1.1210 | 8.749 | 8.749 | 0.0782 | 0.0782 | 87.49 | |
| PCB-146 | 37:59 | 190776 | 1.20 | 1.0084 | 8.349 | 8.349 | 0.0869 | 0.0869 | 83.49 | |
| PCB-161 | 38:07 | 260424 | 1.26 | 1.3370 | 8.596 | 8.596 | 0.0656 | 0.0656 | 85.96 | |
| PCB-153 | 38:38 | 483542 | 1.28 | 1.2207 | 17.5 | 17.5 | 0.0718 | 0.0718 | 87.41 | |
| PCB-168 (C153) | 38:38 | 483542 | 1.28 | 1.2207 | 17.5 | 17.5 | 0.0718 | 0.0718 | 87.41 | |
| PCB-141 | 38:47 | 190269 | 1.28 | 0.9608 | 8.739 | 8.739 | 0.0912 | 0.0912 | 87.39 | |
| PCB-130 | 39:11 | 162753 | 1.22 | 0.8274 | 8.680 | 8.680 | 0.1059 | 0.1059 | 86.80 | |
| PCB-137 | 39:25 | 197734 | 1.22 | 1.0582 | 8.246 | 8.246 | 0.0828 | 0.0828 | 82.46 | |
| PCB-164 | 39:32 | 255313 | 1.24 | 1.2527 | 8.994 | 8.994 | 0.0700 | 0.0700 | 89.94 | |
| PCB-129 | 39:51 | 838526 | 1.26 | 1.0840 | 34.1 | 34.1 | 0.0809 | 0.0809 | 85.34 | Ma |
| PCB-138 (C129) | 39:51 | 838526 | 1.26 | 1.0840 | 34.1 | 34.1 | 0.0809 | 0.0809 | 85.34 | Ma |
| PCB-160 (C129) | 39:51 | 838526 | 1.26 | 1.0840 | 34.1 | 34.1 | 0.0809 | 0.0809 | 85.34 | Ma |
| PCB-163 (C129) | 39:51 | 838526 | 1.26 | 1.0840 | 34.1 | 34.1 | 0.0809 | 0.0809 | 85.34 | Ma |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:13 | 274861 | 1.27 | 1.3862 | 8.750 | 8.750 | 0.0632 | 0.0632 | 87.50 | |
| PCB-128 | 41:04 | 434424 | 1.24 | 1.1165 | 17.2 | 17.2 | 0.0785 | 0.0785 | 85.85 | |
| PCB-166 (C128) | 41:04 | 434424 | 1.24 | 1.1165 | 17.2 | 17.2 | 0.0785 | 0.0785 | 85.85 | |
| PCB-159 | 42:05 | 260924 | 1.27 | 1.3178 | 8.737 | 8.737 | 0.0665 | 0.0665 | 87.37 | |
| PCB-162 | 42:21 | 279044 | 1.24 | 1.3623 | 9.039 | 9.039 | 0.0643 | 0.0643 | 90.39 | |
| PCB-167 | 42:50 | 282652 | 1.23 | 1.3357 | 9.453 | 9.453 | 0.0578 | 0.0578 | 94.53 | |
| PCB-156 | 43:59 | 527360 | 1.24 | 1.2759 | 18.5 | 18.5 | 0.0811 | 0.0811 | 92.38 | |
| PCB-157 (C156) | 43:59 | 527360 | 1.24 | 1.2759 | 18.5 | 18.5 | 0.0811 | 0.0811 | 92.38 | |
| PCB-169 | 47:13 | 277626 | 1.29 | 1.2825 | 9.206 | 9.206 | 0.0583 | 0.0583 | 92.06 | |
| S Total Heptachlorobiphen | | | | | 229.5 | 229.5 | 0.0446 | 0.0446 | | |
| D PCB-188L | 37:14 | 420117 | 1.02 | 1.3162 | 15.2 | 15.2 | 0.0536 | 0.0536 | 75.95 | |
| $ PCB-178L | 40:16 | 325502 | 1.08 | 0.9222 | 16.8 | 16.8 | 0.0764 | 0.0764 | 83.98 | |
| * PCB-180L | 45:22 | 420265 | 1.05 | 3.2E+04 | 20.0 | 20.0 | | | 100 | |
| D PCB-170L | 46:37 | 253229 | 1.12 | 0.8357 | 14.4 | 14.4 | 0.0844 | 0.0844 | 72.10 | |
| D PCB-189L | 49:44 | 531846 | 1.01 | 1.4666 | 14.1 | 14.1 | 0.3811 | 0.3811 | 70.72 | |
| PCB-188 | 37:15 | 232180 | 1.06 | 1.2502 | 8.841 | 8.841 | 0.0322 | 0.0322 | 88.41 | |
| PCB-179 | 37:35 | 223649 | 1.12 | 1.4149 | 9.390 | 9.390 | 0.0363 | 0.0363 | 93.90 | |
| PCB-184 | 38:07 | 214779 | 1.09 | 1.4191 | 8.991 | 8.991 | 0.0361 | 0.0361 | 89.91 | |
| PCB-176 | 38:27 | 238519 | 1.08 | 1.5212 | 9.315 | 9.315 | 0.0337 | 0.0337 | 93.15 | |
| PCB-186 | 38:55 | 226434 | 1.09 | 1.4350 | 9.374 | 9.374 | 0.0357 | 0.0357 | 93.74 | |
| PCB-178 | 40:18 | 162041 | 1.03 | 1.0228 | 9.412 | 9.412 | 0.0501 | 0.0501 | 94.12 | |
| PCB-175 | 40:56 | 167681 | 1.02 | 1.0690 | 9.318 | 9.318 | 0.0480 | 0.0480 | 93.18 | |
| PCB-187 | 41:12 | 179719 | 1.08 | 1.1106 | 9.613 | 9.613 | 0.0462 | 0.0462 | 96.13 | |
| PCB-182 | 41:24 | 183301 | 1.05 | 1.1484 | 9.482 | 9.482 | 0.0447 | 0.0447 | 94.82 | |
| PCB-183 | 41:54 | 355102 | 1.03 | 1.1368 | 18.6 | 18.6 | 0.0451 | 0.0451 | 92.78 | Ma |
| PCB-185 (C183) | 41:54 | 355102 | 1.03 | 1.1368 | 18.6 | 18.6 | 0.0451 | 0.0451 | 92.78 | Ma |
| PCB-174 | 42:02 | 157264 | 1.03 | 0.9547 | 9.786 | 9.786 | 0.0537 | 0.0537 | 97.86 | |
| PCB-177 | 42:29 | 154428 | 1.12 | 0.9426 | 9.733 | 9.733 | 0.0544 | 0.0544 | 97.33 | |
| PCB-181 | 42:53 | 175773 | 1.00 | 1.1075 | 9.428 | 9.428 | 0.0463 | 0.0463 | 94.28 | |
| PCB-171 | 43:06 | 308030 | 1.08 | 0.9603 | 19.1 | 19.1 | 0.0534 | 0.0534 | 95.27 | |
| PCB-173 (C171) | 43:06 | 308030 | 1.08 | 0.9603 | 19.1 | 19.1 | 0.0534 | 0.0534 | 95.27 | |
| PCB-172 | 44:44 | 164073 | 1.10 | 0.9918 | 9.827 | 9.827 | 0.0517 | 0.0517 | 98.27 | |
| PCB-192 | 45:01 | 213541 | 1.08 | 1.2904 | 9.831 | 9.831 | 0.0398 | 0.0398 | 98.31 | |
| PCB-180 | 45:20 | 402192 | 1.05 | 1.2286 | 19.4 | 19.4 | 0.0417 | 0.0417 | 97.23 | |
| PCB-193 (C180) | 45:20 | 402192 | 1.05 | 1.2286 | 19.4 | 19.4 | 0.0417 | 0.0417 | 97.23 | |
| PCB-191 | 45:44 | 230743 | 0.98 | 1.3848 | 9.898 | 9.898 | 0.0370 | 0.0370 | 98.98 | |
| PCB-170 | 46:38 | 163680 | 1.00 | 1.2700 | 10.2 | 10.2 | 0.0557 | 0.0557 | 102 | |
| PCB-190 | 47:09 | 234511 | 1.05 | 1.3774 | 10.1 | 10.1 | 0.0372 | 0.0372 | 101 | |
| PCB-189 | 49:45 | 337531 | 1.07 | 1.2799 | 9.917 | 9.917 | 0.0566 | 0.0566 | 99.17 | |
| S Total Octachlorobipheny | | | | | 113.4 | 113.4 | 0.0453 | 0.0453 | | |
| D PCB-202L | 42:35 | 348833 | 0.90 | 1.0055 | 16.5 | 16.5 | 0.1069 | 0.1069 | 82.55 | |
| * PCB-194L | 51:50 | 512791 | 0.88 | 3.5E+04 | 20.0 | 20.0 | | | 100 | |
| D PCB-205L | 52:19 | 460116 | 0.89 | 1.2867 | 13.9 | 13.9 | 0.2620 | 0.2620 | 69.73 | |
| PCB-202 | 42:37 | 167539 | 0.91 | 1.0531 | 9.122 | 9.122 | 0.0310 | 0.0310 | 91.22 | |
| PCB-201 | 43:33 | 188555 | 0.90 | 1.1860 | 9.115 | 9.115 | 0.0275 | 0.0275 | 91.15 | |
| PCB-204 | 44:13 | 179477 | 0.89 | 1.1009 | 9.347 | 9.347 | 0.0296 | 0.0296 | 93.47 | |
| PCB-197 | 44:26 | 195149 | 0.91 | 1.2053 | 9.283 | 9.283 | 0.0270 | 0.0270 | 92.83 | |
| PCB-200 | 44:32 | 185375 | 0.90 | 1.1260 | 9.439 | 9.439 | 0.0290 | 0.0290 | 94.39 | |
| PCB-198 | 47:19 | 276752 | 0.89 | 0.8183 | 19.4 | 19.4 | 0.0398 | 0.0398 | 96.96 | |
| PCB-199 (C198) | 47:19 | 276752 | 0.89 | 0.8183 | 19.4 | 19.4 | 0.0398 | 0.0398 | 96.96 | |
| PCB-196 | 47:59 | 145626 | 0.91 | 0.8748 | 9.544 | 9.544 | 0.0373 | 0.0373 | 95.44 | |
| PCB-203 | 48:12 | 155932 | 0.90 | 0.9219 | 9.698 | 9.698 | 0.0354 | 0.0354 | 96.98 | |
| PCB-195 | 49:30 | 174961 | 0.93 | 0.7839 | 9.702 | 9.702 | 0.0973 | 0.0973 | 97.02 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:52 | 204367 | 0.90 | 0.9282 | 9.571 | 9.571 | 0.0822 | 0.0822 | 95.71 | |
| PCB-205 | 52:21 | 261886 | 0.88 | 1.2342 | 9.223 | 9.223 | 0.0618 | 0.0618 | 92.23 | |
| S Total Nonachlorobipheny | | | | | 27.2 | 27.2 | 0.1277 | 0.1277 | | |
| D PCB-208L | 49:16 | 428022 | 0.74 | 1.1383 | 14.7 | 14.7 | 0.2860 | 0.2860 | 73.33 | |
| D PCB-206L | 54:04 | 316612 | 0.79 | 0.8938 | 13.8 | 13.8 | 0.3642 | 0.3642 | 69.08 | |
| PCB-208 | 49:17 | 215765 | 0.79 | 1.1567 | 8.716 | 8.716 | 0.1163 | 0.1163 | 87.16 | |
| PCB-207 | 50:13 | 240727 | 0.81 | 1.3964 | 9.261 | 9.261 | 0.1116 | 0.1116 | 92.61 | |
| PCB-206 | 54:05 | 174732 | 0.82 | 1.1927 | 9.254 | 9.254 | 0.1553 | 0.1553 | 92.54 | |
| D PCB-209L | 55:42 | 368410 | 0.69 | 0.9809 | 14.6 | 14.6 | 0.0700 | 0.0700 | 73.25 | |
| DCB Decachlorobiphenyl | 55:44 | 216310 | 0.68 | 1.2455 | 9.428 | 9.428 | 0.0331 | 0.0331 | 94.28 | |
| S Polychlorinated bipheny | | | | | 1899.1 | 1899.1 | 0.0725 | 0.0725 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d
Lims ID: LCS 140-33628/13-B
Client ID:
Sample Type: LCS
Inject. Date: 03-Oct-2019 12:37:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Misc. Info.: 140-0013282-002
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 03-Oct-2019 16:02:18 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX0323

First Level Reviewer: nordquistj Date: 03-Oct-2019 16:02:18

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | Ma |
| 200.0795 | 12:01 | 12:01 | 17 | 0.739 | 354010 | 108551 | 238 | 595 | 456 | | M |
| 202.0766 | 12:01 | 12:01 | 17 | 0.739 | 130381 | 32280 | 1317 | 3292 | 25 | 2.72(2.66-3.60) | M |
| PCB-3L | | | | | | | | | | | M |
| 200.0795 | 14:06 | 13:59 | 12 | 0.867 | 387072 | 82571 | 238 | 595 | 347 | | M |
| 202.0766 | 14:06 | 13:59 | 12 | 0.867 | 127470 | 28655 | 1317 | 3292 | 22 | 3.04(2.66-3.60) | M |
| PCB-1 | | | | | | | | | | | a |
| 188.0393 | 12:02 | 12:02 | 17 | 1.001 | 199332 | 59443 | 144 | 360 | 413 | | a |
| 190.0363 | 12:02 | 12:02 | 17 | 1.001 | 65831 | 19177 | 67 | 167 | 286 | 3.03(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:57 | 13:54 | 12 | 0.989 | 236000 | 49187 | 144 | 360 | 342 | | |
| 190.0363 | 13:57 | 13:54 | 12 | 0.989 | 74909 | 15958 | 67 | 167 | 238 | 3.15(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 14:07 | 14:04 | 12 | 1.001 | 228545 | 49386 | 144 | 360 | 343 | | |
| 190.0363 | 14:07 | 14:04 | 12 | 1.001 | 73045 | 16466 | 67 | 167 | 246 | 3.13(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:20 | 14:15 | 11 | 0.882 | 144004 | 31116 | 544 | 1360 | 57 | | |
| 236.0376 | 14:20 | 14:15 | 11 | 0.882 | 95457 | 20376 | 146 | 365 | 140 | 1.51(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:16 | 16:07 | 8 | | 397866 | 104467 | 544 | 1360 | 192 | | |
| 236.0376 | 16:16 | 16:07 | 8 | | 224172 | 61494 | 146 | 365 | 421 | 1.77(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:06 | 20:08 | 5 | 1.237 | 292295 | 71581 | 544 | 1360 | 132 | | |
| 236.0376 | 20:06 | 20:08 | 5 | 1.237 | 176409 | 48641 | 146 | 365 | 333 | 1.66(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:22 | 14:19 | 11 | 1.002 | 86612 | 17560 | 87 | 217 | 202 | | |
| 223.9974 | 14:21 | 14:19 | 11 | 1.001 | 56490 | 12270 | 62 | 155 | 198 | 1.53(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | a |
| 222.0003 | 14:31 | 14:31 | 11 | 1.013 | 147819 | 33326 | 87 | 217 | 383 | | a |
| 223.9974 | 14:31 | 14:31 | 11 | 1.013 | 92505 | 20588 | 62 | 155 | 332 | 1.60(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | a |
| 222.0003 | 16:16 | 16:16 | 8 | 1.135 | 151879 | 40081 | 87 | 217 | 461 | | a |
| 223.9974 | 16:16 | 16:16 | 8 | 1.135 | 93322 | 25083 | 62 | 155 | 405 | 1.63(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | a |
| 222.0003 | 16:26 | 16:26 | 7 | 1.146 | 168032 | 44058 | 87 | 217 | 506 | | a |
| 223.9974 | 16:26 | 16:26 | 7 | 1.146 | 104945 | 27789 | 62 | 155 | 448 | 1.60(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | a |
| 222.0003 | 16:40 | 16:40 | 7 | 1.163 | 154275 | 40306 | 87 | 217 | 463 | | a |
| 223.9974 | 16:40 | 16:40 | 7 | 1.163 | 97994 | 26519 | 62 | 155 | 428 | 1.57(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | a |
| 222.0003 | 16:58 | 16:58 | 7 | 1.184 | 150222 | 38018 | 87 | 217 | 437 | | a |
| 223.9974 | 16:58 | 16:58 | 7 | 1.184 | 98509 | 24868 | 62 | 155 | 401 | 1.52(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | a |
| 222.0003 | 17:06 | 17:06 | 7 | 1.193 | 159993 | 42635 | 87 | 217 | 490 | | a |
| 223.9974 | 17:06 | 17:06 | 7 | 1.193 | 95778 | 25674 | 62 | 155 | 414 | 1.67(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:42 | 18:37 | 7 | 0.930 | 197359 | 50046 | 87 | 217 | 575 | | |
| 223.9974 | 18:42 | 18:37 | 7 | 0.930 | 124770 | 32025 | 62 | 155 | 517 | 1.58(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:30 | 19:28 | 5 | 0.970 | 183135 | 42572 | 87 | 217 | 489 | | |
| 223.9974 | 19:31 | 19:28 | 6 | 0.971 | 105364 | 25084 | 62 | 155 | 405 | 1.74(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:47 | 5 | 0.986 | 330496 | 50230 | 87 | 217 | 577 | | |
| 223.9974 | 19:49 | 19:47 | 4 | 0.986 | 205024 | 32243 | 62 | 155 | 520 | 1.61(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:50 | 19:47 | 5 | 0.986 | 330496 | 50230 | 87 | 217 | 577 | | |
| 223.9974 | 19:49 | 19:47 | 4 | 0.986 | 205024 | 32243 | 62 | 155 | 520 | 1.61(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:07 | 20:05 | 5 | 1.001 | 176791 | 40966 | 87 | 217 | 471 | | |
| 223.9974 | 20:07 | 20:05 | 5 | 1.001 | 111834 | 26351 | 62 | 155 | 425 | 1.58(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:22 | 17:17 | 7 | 0.844 | 93287 | 24882 | 555 | 1387 | 45 | | |
| 269.9986 | 17:22 | 17:17 | 7 | 0.844 | 89979 | 22753 | 322 | 805 | 71 | 1.04(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:34 | 20:29 | 5 | | 244120 | 56506 | 555 | 1387 | 102 | | |
| 269.9986 | 20:34 | 20:29 | 5 | | 222585 | 54394 | 322 | 805 | 169 | 1.10(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:48 | 22:45 | 4 | | 476959 | 119343 | 461 | 1152 | 259 | | |
| 269.9986 | 22:48 | 22:45 | 4 | | 458890 | 110077 | 354 | 885 | 311 | 1.04(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:06 | 23:05 | 3 | 1.013 | 401432 | 97342 | 461 | 1152 | 211 | | |
| 269.9986 | 23:06 | 23:05 | 3 | 1.013 | 385991 | 92631 | 354 | 885 | 262 | 1.04(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:04 | 27:05 | 1 | 1.187 | 329059 | 71091 | 461 | 1152 | 154 | | |
| 269.9986 | 27:04 | 27:05 | 1 | 1.187 | 313435 | 71789 | 354 | 885 | 203 | 1.05(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:23 | 17:21 | 7 | 1.001 | 53945 | 13129 | 46 | 115 | 285 | | |
| 257.9584 | 17:23 | 17:21 | 7 | 1.001 | 51230 | 13103 | 76 | 190 | 172 | 1.05(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 6 | 1.105 | 163069 | 35654 | 46 | 115 | 775 | | |
| 257.9584 | 19:12 | 19:12 | 6 | 1.105 | 154740 | 34420 | 76 | 190 | 453 | 1.05(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:12 | 19:12 | 6 | 1.105 | 163069 | 35654 | 46 | 115 | 775 | | |
| 257.9584 | 19:12 | 19:12 | 6 | 1.105 | 154740 | 34420 | 76 | 190 | 453 | 1.05(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | a |
| 255.9613 | 19:38 | 19:38 | 5 | 1.130 | 68114 | 17474 | 46 | 115 | 380 | | a |
| 257.9584 | 19:38 | 19:38 | 5 | 1.130 | 63878 | 16490 | 76 | 190 | 217 | 1.07(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | a |
| 255.9613 | 19:51 | 19:51 | 5 | 1.142 | 94734 | 23923 | 46 | 115 | 520 | | a |
| 257.9584 | 19:51 | 19:51 | 5 | 1.142 | 88289 | 22272 | 76 | 190 | 293 | 1.07(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | a |
| 255.9613 | 19:58 | 19:58 | 5 | 1.150 | 84013 | 21536 | 46 | 115 | 468 | | a |
| 257.9584 | 19:58 | 19:58 | 5 | 1.150 | 82101 | 20900 | 76 | 190 | 275 | 1.02(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | a |
| 255.9613 | 20:05 | 20:05 | 4 | 1.156 | 47913 | 12167 | 46 | 115 | 265 | | a |
| 257.9584 | 20:05 | 20:05 | 4 | 1.156 | 46562 | 12013 | 76 | 190 | 158 | 1.03(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | a |
| 255.9613 | 20:35 | 20:35 | 4 | 1.185 | 104045 | 25179 | 46 | 115 | 547 | | a |
| 257.9584 | 20:35 | 20:35 | 4 | 1.185 | 100623 | 26125 | 76 | 190 | 344 | 1.03(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | a |
| 255.9613 | 21:50 | 21:50 | 4 | 1.257 | 196129 | 50262 | 192 | 480 | 262 | | a |
| 257.9584 | 21:50 | 21:50 | 4 | 1.257 | 181701 | 46455 | 189 | 472 | 246 | 1.08(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | a |
| 255.9613 | 21:59 | 21:59 | 4 | 1.266 | 196408 | 48012 | 192 | 480 | 250 | | a |
| 257.9584 | 21:59 | 21:59 | 4 | 1.266 | 181896 | 45207 | 189 | 472 | 239 | 1.08(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | a |
| 255.9613 | 22:18 | 22:18 | 4 | 1.284 | 406296 | 75911 | 192 | 480 | 395 | | a |
| 257.9584 | 22:18 | 22:18 | 3 | 1.284 | 374254 | 69875 | 189 | 472 | 370 | 1.09(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | a |
| 255.9613 | 22:18 | 22:18 | 4 | 1.284 | 406296 | 75911 | 192 | 480 | 395 | | a |
| 257.9584 | 22:18 | 22:18 | 3 | 1.284 | 374254 | 69875 | 189 | 472 | 370 | 1.09(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:31 | 22:28 | 4 | 0.832 | 204283 | 47697 | 192 | 480 | 248 | | |
| 257.9584 | 22:31 | 22:28 | 4 | 0.832 | 192651 | 42653 | 189 | 472 | 226 | 1.06(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:50 | 22:46 | 4 | 0.843 | 211488 | 50736 | 192 | 480 | 264 | | |
| 257.9584 | 22:50 | 22:46 | 4 | 0.843 | 197459 | 47083 | 189 | 472 | 249 | 1.07(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:04 | 4 | 0.855 | 393541 | 82660 | 192 | 480 | 431 | | |
| 257.9584 | 23:08 | 23:04 | 4 | 0.855 | 368455 | 74774 | 189 | 472 | 396 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:08 | 23:04 | 4 | 0.855 | 393541 | 82660 | 192 | 480 | 431 | | |
| 257.9584 | 23:08 | 23:04 | 4 | 0.855 | 368455 | 74774 | 189 | 472 | 396 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | M |
| 255.9613 | 23:21 | 23:18 | 3 | 0.863 | 403319 | 52593 | 192 | 480 | 274 | | M |
| 257.9584 | 23:21 | 23:18 | 3 | 0.863 | 378944 | 49888 | 189 | 472 | 264 | 1.06(0.88-1.20) | M |
| PCB-33 (C21) | | | | | | | | | | | M |
| 255.9613 | 23:21 | 23:18 | 3 | 0.863 | 403319 | 52593 | 192 | 480 | 274 | | M |
| 257.9584 | 23:21 | 23:18 | 3 | 0.863 | 378944 | 49888 | 189 | 472 | 264 | 1.06(0.88-1.20) | M |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:45 | 23:42 | 3 | 0.877 | 188224 | 43656 | 192 | 480 | 227 | | |
| 257.9584 | 23:45 | 23:42 | 3 | 0.877 | 172109 | 39822 | 189 | 472 | 211 | 1.09(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:17 | 25:15 | 2 | 0.934 | 220564 | 47331 | 192 | 480 | 247 | | |
| 257.9584 | 25:18 | 25:15 | 3 | 0.935 | 196248 | 43042 | 189 | 472 | 228 | 1.12(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:38 | 25:36 | 2 | 0.947 | 219804 | 46574 | 192 | 480 | 243 | | |
| 257.9584 | 25:39 | 25:36 | 3 | 0.948 | 204365 | 45243 | 189 | 472 | 239 | 1.08(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | Ma |
| 255.9613 | 26:14 | 26:14 | 2 | 0.969 | 202391 | 44385 | 192 | 480 | 231 | | M |
| 257.9584 | 26:14 | 26:14 | 2 | 0.969 | 183424 | 40664 | 189 | 472 | 215 | 1.10(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | M |
| 255.9613 | 26:41 | 26:39 | 2 | 0.986 | 187771 | 43061 | 192 | 480 | 224 | | M |
| 257.9584 | 26:41 | 26:39 | 2 | 0.986 | 178624 | 40771 | 189 | 472 | 216 | 1.05(0.88-1.20) | M |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:06 | 27:03 | 2 | 1.001 | 202851 | 44155 | 192 | 480 | 230 | | |
| 257.9584 | 27:06 | 27:03 | 2 | 1.001 | 186261 | 39256 | 189 | 472 | 208 | 1.09(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:24 | 20:19 | 5 | 0.819 | 84562 | 21009 | 82 | 205 | 256 | | |
| 303.9597 | 20:23 | 20:19 | 4 | 0.818 | 107690 | 27058 | 49 | 122 | 552 | 0.79(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:55 | 24:53 | 2 | | 222247 | 52599 | 88 | 220 | 598 | | |
| 303.9597 | 24:55 | 24:53 | 2 | | 277838 | 64888 | 70 | 175 | 927 | 0.80(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:48 | 33:47 | 1 | 1.357 | 209459 | 43309 | 88 | 220 | 492 | | |
| 303.9597 | 33:48 | 33:47 | 1 | 1.357 | 263080 | 56239 | 70 | 175 | 803 | 0.80(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:21 | 34:20 | 0 | 1.379 | 221097 | 43226 | 88 | 220 | 491 | | |
| 303.9597 | 34:21 | 34:20 | 0 | 1.379 | 274697 | 54515 | 70 | 175 | 779 | 0.80(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:25 | 20:21 | 4 | 1.000 | 48442 | 11567 | 15 | 37 | 771 | | |
| 291.9194 | 20:25 | 20:21 | 4 | 1.000 | 62069 | 15559 | 26 | 65 | 598 | 0.78(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:34 | 4 | 1.106 | 185193 | 35868 | 74 | 185 | 485 | | |
| 291.9194 | 22:34 | 22:34 | 4 | 1.106 | 232697 | 43773 | 113 | 282 | 387 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:34 | 22:34 | 4 | 1.106 | 185193 | 35868 | 74 | 185 | 485 | | |
| 291.9194 | 22:34 | 22:34 | 4 | 1.106 | 232697 | 43773 | 113 | 282 | 387 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:18 | 23:18 | 3 | 1.142 | 173564 | 22311 | 74 | 185 | 302 | | M |
| 291.9194 | 23:18 | 23:18 | 3 | 1.142 | 213494 | 28508 | 113 | 282 | 252 | 0.81(0.65-0.89) | M |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:18 | 23:18 | 3 | 1.142 | 173564 | 22311 | 74 | 185 | 302 | | M |
| 291.9194 | 23:18 | 23:18 | 3 | 1.142 | 213494 | 28508 | 113 | 282 | 252 | 0.81(0.65-0.89) | M |
| PCB-46 | | | | | | | | | | | a |
| 289.9224 | 23:32 | 23:32 | 3 | 1.153 | 72443 | 18101 | 74 | 185 | 245 | | a |
| 291.9194 | 23:32 | 23:32 | 3 | 1.153 | 96357 | 23570 | 113 | 282 | 209 | 0.75(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | a |
| 289.9224 | 24:56 | 24:56 | 2 | 1.222 | 90285 | 21245 | 74 | 185 | 287 | | a |
| 291.9194 | 24:57 | 24:56 | 3 | 1.222 | 116047 | 25913 | 113 | 282 | 229 | 0.78(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:05 | 25:06 | 2 | 1.229 | 200011 | 28012 | 74 | 185 | 379 | | M |
| 291.9194 | 25:05 | 25:06 | 2 | 1.229 | 249069 | 35768 | 113 | 282 | 317 | 0.80(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:05 | 25:06 | 2 | 1.229 | 200011 | 28012 | 74 | 185 | 379 | | M |
| 291.9194 | 25:05 | 25:06 | 2 | 1.229 | 249069 | 35768 | 113 | 282 | 317 | 0.80(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:25 | 3 | 1.245 | 222975 | 35091 | 74 | 185 | 474 | | |
| 291.9194 | 25:24 | 25:25 | 3 | 1.245 | 277717 | 44584 | 113 | 282 | 395 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | |
| 289.9224 | 25:24 | 25:25 | 3 | 1.245 | 222975 | 35091 | 74 | 185 | 474 | | |
| 291.9194 | 25:24 | 25:25 | 3 | 1.245 | 277717 | 44584 | 113 | 282 | 395 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | a |
| 289.9224 | 25:42 | 25:42 | 2 | 1.260 | 95736 | 22684 | 74 | 185 | 307 | | a |
| 291.9194 | 25:42 | 25:42 | 2 | 1.260 | 119675 | 27845 | 113 | 282 | 246 | 0.80(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:58 | 2 | 1.272 | 292073 | 51613 | 74 | 185 | 697 | | |
| 291.9194 | 25:57 | 25:58 | 2 | 1.272 | 376037 | 66105 | 113 | 282 | 585 | 0.78(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:58 | 2 | 1.272 | 292073 | 51613 | 74 | 185 | 697 | | |
| 291.9194 | 25:57 | 25:58 | 2 | 1.272 | 376037 | 66105 | 113 | 282 | 585 | 0.78(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 25:57 | 25:58 | 2 | 1.272 | 292073 | 51613 | 74 | 185 | 697 | | |
| 291.9194 | 25:57 | 25:58 | 2 | 1.272 | 376037 | 66105 | 113 | 282 | 585 | 0.78(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 2 | 1.286 | 373560 | 59950 | 74 | 185 | 810 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.286 | 485627 | 74964 | 113 | 282 | 663 | 0.77(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 2 | 1.286 | 373560 | 59950 | 74 | 185 | 810 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.286 | 485627 | 74964 | 113 | 282 | 663 | 0.77(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:14 | 26:16 | 2 | 1.286 | 373560 | 59950 | 74 | 185 | 810 | | |
| 291.9194 | 26:14 | 26:16 | 2 | 1.286 | 485627 | 74964 | 113 | 282 | 663 | 0.77(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | a |
| 289.9224 | 26:27 | 26:27 | 2 | 1.297 | 88127 | 19811 | 74 | 185 | 268 | | a |
| 291.9194 | 26:27 | 26:27 | 1 | 1.296 | 106748 | 23766 | 113 | 282 | 210 | 0.83(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.320 | 264054 | 41707 | 74 | 185 | 564 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.320 | 334396 | 52945 | 113 | 282 | 469 | 0.79(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.320 | 264054 | 41707 | 74 | 185 | 564 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.320 | 334396 | 52945 | 113 | 282 | 469 | 0.79(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | Ma |
| 289.9224 | 26:56 | 26:56 | 1 | 1.320 | 264054 | 41707 | 74 | 185 | 564 | | M |
| 291.9194 | 26:56 | 26:56 | 1 | 1.320 | 334396 | 52945 | 113 | 282 | 469 | 0.79(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | a |
| 289.9224 | 27:09 | 27:09 | 2 | 1.331 | 134051 | 30269 | 74 | 185 | 409 | | a |
| 291.9194 | 27:09 | 27:09 | 2 | 1.331 | 167866 | 37372 | 113 | 282 | 331 | 0.80(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 27:59 | 27:57 | 2 | 0.828 | 135740 | 30148 | 74 | 185 | 407 | | |
| 291.9194 | 27:59 | 27:57 | 2 | 0.828 | 167877 | 37269 | 113 | 282 | 330 | 0.81(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:17 | 28:15 | 2 | 0.837 | 144261 | 29333 | 74 | 185 | 396 | | |
| 291.9194 | 28:17 | 28:15 | 2 | 0.837 | 190436 | 39615 | 113 | 282 | 351 | 0.76(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:41 | 28:40 | 1 | 0.849 | 124075 | 26990 | 74 | 185 | 365 | | |
| 291.9194 | 28:42 | 28:40 | 2 | 0.849 | 159775 | 35907 | 113 | 282 | 318 | 0.78(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 28:56 | 28:54 | 1 | 0.856 | 132322 | 29431 | 74 | 185 | 398 | | |
| 291.9194 | 28:56 | 28:54 | 1 | 0.856 | 171423 | 37081 | 113 | 282 | 328 | 0.77(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:05 | 29:04 | 1 | 0.861 | 136617 | 28047 | 74 | 185 | 379 | | |
| 291.9194 | 29:05 | 29:04 | 1 | 0.861 | 171118 | 34773 | 113 | 282 | 308 | 0.80(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:22 | 29:20 | 1 | 0.869 | 143481 | 30060 | 74 | 185 | 406 | | |
| 291.9194 | 29:22 | 29:20 | 1 | 0.869 | 182396 | 39692 | 113 | 282 | 351 | 0.79(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 517910 | 57543 | 74 | 185 | 778 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 646759 | 70849 | 113 | 282 | 627 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 517910 | 57543 | 74 | 185 | 778 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 646759 | 70849 | 113 | 282 | 627 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 517910 | 57543 | 74 | 185 | 778 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 646759 | 70849 | 113 | 282 | 627 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:41 | 29:40 | 1 | 0.878 | 517910 | 57543 | 74 | 185 | 778 | | |
| 291.9194 | 29:41 | 29:40 | 1 | 0.878 | 646759 | 70849 | 113 | 282 | 627 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:01 | 29:59 | 2 | 0.888 | 130000 | 26889 | 74 | 185 | 363 | | |
| 291.9194 | 30:00 | 29:59 | 1 | 0.888 | 160340 | 33477 | 113 | 282 | 296 | 0.81(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:10 | 30:09 | 1 | 0.893 | 128254 | 27970 | 74 | 185 | 378 | | |
| 291.9194 | 30:10 | 30:09 | 1 | 0.893 | 160058 | 35494 | 113 | 282 | 314 | 0.80(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:41 | 30:40 | 1 | 0.908 | 124898 | 26607 | 74 | 185 | 360 | | |
| 291.9194 | 30:41 | 30:40 | 1 | 0.908 | 158632 | 33395 | 113 | 282 | 296 | 0.79(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:54 | 30:53 | 1 | 0.914 | 127402 | 26891 | 74 | 185 | 363 | | |
| 291.9194 | 30:53 | 30:53 | 0 | 0.914 | 163579 | 34227 | 113 | 282 | 303 | 0.78(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:18 | 31:17 | 1 | 0.926 | 146509 | 31897 | 74 | 185 | 431 | | |
| 291.9194 | 31:18 | 31:17 | 1 | 0.926 | 181168 | 37528 | 113 | 282 | 332 | 0.81(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:49 | 32:49 | 0 | 0.971 | 153114 | 29824 | 74 | 185 | 403 | | |
| 291.9194 | 32:49 | 32:49 | 0 | 0.971 | 195480 | 38391 | 113 | 282 | 340 | 0.78(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:23 | 33:22 | 0 | 0.988 | 120016 | 24240 | 74 | 185 | 328 | | |
| 291.9194 | 33:23 | 33:22 | 0 | 0.988 | 156771 | 31371 | 113 | 282 | 278 | 0.77(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:49 | 33:48 | 0 | 1.000 | 143017 | 27554 | 74 | 185 | 372 | | |
| 291.9194 | 33:49 | 33:48 | 0 | 1.000 | 165806 | 34011 | 113 | 282 | 301 | 0.86(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:23 | 34:22 | 0 | 1.001 | 135469 | 26744 | 74 | 185 | 361 | | |
| 291.9194 | 34:23 | 34:22 | 0 | 1.001 | 171941 | 33685 | 113 | 282 | 298 | 0.79(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:51 | 25:49 | 2 | 0.815 | 219849 | 52554 | 30 | 75 | 1752 | | |
| 339.9178 | 25:51 | 25:49 | 2 | 0.815 | 129442 | 31932 | 36 | 90 | 887 | 1.70(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:44 | 31:43 | 1 | | 234826 | 50616 | 30 | 75 | 1687 | | |
| 339.9178 | 31:44 | 31:43 | 0 | | 147929 | 33073 | 36 | 90 | 919 | 1.59(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:24 | 34:24 | 0 | 1.084 | 261305 | 55969 | 30 | 75 | 1866 | | |
| 339.9178 | 34:25 | 34:24 | 0 | 1.084 | 153593 | 32313 | 36 | 90 | 898 | 1.70(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:22 | 36:22 | 0 | 1.146 | 298211 | 57675 | 706 | 1765 | 82 | | |
| 339.9178 | 36:22 | 36:22 | 0 | 1.146 | 180402 | 35150 | 401 | 1002 | 88 | 1.65(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:41 | 36:41 | 0 | 1.156 | 304534 | 59906 | 706 | 1765 | 85 | | |
| 339.9178 | 36:41 | 36:41 | -1 | 1.156 | 188212 | 37525 | 401 | 1002 | 94 | 1.62(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:13 | 37:12 | 0 | 1.173 | 281653 | 54969 | 706 | 1765 | 78 | | |
| 339.9178 | 37:13 | 37:12 | 0 | 1.173 | 173760 | 34213 | 401 | 1002 | 85 | 1.62(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:51 | 37:51 | 0 | 1.193 | 288106 | 56883 | 706 | 1765 | 81 | | |
| 339.9178 | 37:51 | 37:51 | 0 | 1.193 | 177008 | 38327 | 401 | 1002 | 96 | 1.63(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:20 | 39:20 | 0 | | 393590 | 80054 | 706 | 1765 | 113 | | |
| 339.9178 | 39:21 | 39:20 | 1 | | 252993 | 50888 | 401 | 1002 | 127 | 1.56(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 40:57 | 40:56 | 0 | 1.290 | 288521 | 58352 | 706 | 1765 | 83 | | |
| 339.9178 | 40:57 | 40:56 | 0 | 1.290 | 192173 | 41816 | 401 | 1002 | 104 | 1.50(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:53 | 25:51 | 2 | 1.001 | 140750 | 32803 | 61 | 152 | 538 | | |
| 327.8775 | 25:53 | 25:51 | 2 | 1.001 | 92504 | 20716 | 27 | 67 | 767 | 1.52(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:14 | 26:14 | 1 | 1.015 | 123721 | 28846 | 61 | 152 | 473 | | |
| 327.8775 | 26:14 | 26:14 | 1 | 1.015 | 79517 | 18377 | 27 | 67 | 681 | 1.56(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:11 | 28:10 | 2 | 1.090 | 103507 | 23685 | 61 | 152 | 388 | | |
| 327.8775 | 28:10 | 28:10 | 1 | 1.089 | 68261 | 15128 | 27 | 67 | 560 | 1.52(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:23 | 28:23 | 2 | 1.098 | 89969 | 20157 | 61 | 152 | 330 | | |
| 327.8775 | 28:23 | 28:23 | 2 | 1.098 | 57179 | 12128 | 27 | 67 | 449 | 1.57(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:49 | 28:49 | 1 | 1.115 | 100563 | 22270 | 61 | 152 | 365 | | |
| 327.8775 | 28:49 | 28:49 | 1 | 1.115 | 62849 | 13368 | 27 | 67 | 495 | 1.60(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:03 | 29:02 | 2 | 1.124 | 202979 | 41561 | 61 | 152 | 681 | | |
| 327.8775 | 29:03 | 29:02 | 2 | 1.124 | 125936 | 25730 | 27 | 67 | 953 | 1.61(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:03 | 29:02 | 2 | 1.124 | 202979 | 41561 | 61 | 152 | 681 | | |
| 327.8775 | 29:03 | 29:02 | 2 | 1.124 | 125936 | 25730 | 27 | 67 | 953 | 1.61(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | M |
| 325.8804 | 29:12 | 29:12 | 1 | 1.129 | 204194 | 26069 | 61 | 152 | 427 | | M |
| 327.8775 | 29:11 | 29:12 | 0 | 1.129 | 130279 | 15789 | 27 | 67 | 585 | 1.57(1.32-1.78) | M |
| PCB-102 (C98) | | | | | | | | | | | M |
| 325.8804 | 29:12 | 29:12 | 1 | 1.129 | 204194 | 26069 | 61 | 152 | 427 | | M |
| 327.8775 | 29:11 | 29:12 | 0 | 1.129 | 130279 | 15789 | 27 | 67 | 585 | 1.57(1.32-1.78) | M |
| PCB-88 | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 1 | 1.148 | 198699 | 22495 | 61 | 152 | 369 | | |
| 327.8775 | 29:41 | 29:41 | 1 | 1.148 | 125203 | 14329 | 27 | 67 | 531 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | |
| 325.8804 | 29:41 | 29:41 | 1 | 1.148 | 198699 | 22495 | 61 | 152 | 369 | | |
| 327.8775 | 29:41 | 29:41 | 1 | 1.148 | 125203 | 14329 | 27 | 67 | 531 | 1.59(1.32-1.78) | |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:54 | 29:54 | 1 | 1.157 | 86228 | 18896 | 61 | 152 | 310 | | |
| 327.8775 | 29:54 | 29:54 | 1 | 1.157 | 54818 | 11407 | 27 | 67 | 422 | 1.57(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:23 | 30:23 | 1 | 1.175 | 90895 | 19121 | 61 | 152 | 313 | | |
| 327.8775 | 30:23 | 30:23 | 0 | 1.175 | 56520 | 12373 | 27 | 67 | 458 | 1.61(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:49 | 30:48 | 1 | 1.192 | 143198 | 30180 | 61 | 152 | 495 | | |
| 327.8775 | 30:49 | 30:48 | 1 | 1.192 | 85599 | 18464 | 27 | 67 | 684 | 1.67(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:11 | 31:09 | 1 | 0.857 | 101410 | 20931 | 61 | 152 | 343 | | |
| 327.8775 | 31:10 | 31:09 | 0 | 0.857 | 64254 | 14007 | 27 | 67 | 519 | 1.58(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 1 | 1.228 | 353386 | 50773 | 61 | 152 | 832 | | |
| 327.8775 | 31:44 | 31:45 | 0 | 1.228 | 219902 | 33079 | 27 | 67 | 1225 | 1.61(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 1 | 1.228 | 353386 | 50773 | 61 | 152 | 832 | | |
| 327.8775 | 31:44 | 31:45 | 0 | 1.228 | 219902 | 33079 | 27 | 67 | 1225 | 1.61(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:45 | 31:45 | 1 | 1.228 | 353386 | 50773 | 61 | 152 | 832 | | |
| 327.8775 | 31:44 | 31:45 | 0 | 1.228 | 219902 | 33079 | 27 | 67 | 1225 | 1.61(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:20 | 32:21 | 0 | 1.251 | 197145 | 24461 | 61 | 152 | 401 | | |
| 327.8775 | 32:20 | 32:21 | 0 | 1.251 | 127175 | 15702 | 27 | 67 | 582 | 1.55(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:20 | 32:21 | 0 | 1.251 | 197145 | 24461 | 61 | 152 | 401 | | |
| 327.8775 | 32:20 | 32:21 | 0 | 1.251 | 127175 | 15702 | 27 | 67 | 582 | 1.55(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:27 | 32:27 | 1 | 1.255 | 143789 | 28024 | 61 | 152 | 459 | | |
| 327.8775 | 32:27 | 32:27 | 1 | 1.255 | 88775 | 18268 | 27 | 67 | 677 | 1.62(1.32-1.78) | |
| PCB-86 | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.269 | 709594 | 82825 | 61 | 152 | 1358 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.269 | 445386 | 51362 | 27 | 67 | 1902 | 1.59(1.32-1.78) | |
| PCB-87 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.269 | 709594 | 82825 | 61 | 152 | 1358 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.269 | 445386 | 51362 | 27 | 67 | 1902 | 1.59(1.32-1.78) | |
| PCB-97 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.269 | 709594 | 82825 | 61 | 152 | 1358 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.269 | 445386 | 51362 | 27 | 67 | 1902 | 1.59(1.32-1.78) | |
| PCB-109 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.269 | 709594 | 82825 | 61 | 152 | 1358 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.269 | 445386 | 51362 | 27 | 67 | 1902 | 1.59(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.269 | 709594 | 82825 | 61 | 152 | 1358 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.269 | 445386 | 51362 | 27 | 67 | 1902 | 1.59(1.32-1.78) | |
| PCB-125 (C86) | | | | | | | | | | | Ma |
| 325.8804 | 32:49 | 32:49 | 0 | 1.269 | 709594 | 82825 | 61 | 152 | 1358 | | M |
| 327.8775 | 32:49 | 32:49 | 0 | 1.269 | 445386 | 51362 | 27 | 67 | 1902 | 1.59(1.32-1.78) | |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:33 | 1 | 1.298 | 372717 | 49782 | 61 | 152 | 816 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.297 | 229522 | 29534 | 27 | 67 | 1094 | 1.62(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:33 | 1 | 1.298 | 372717 | 49782 | 61 | 152 | 816 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.297 | 229522 | 29534 | 27 | 67 | 1094 | 1.62(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:34 | 33:33 | 1 | 1.298 | 372717 | 49782 | 61 | 152 | 816 | | |
| 327.8775 | 33:33 | 33:33 | 0 | 1.297 | 229522 | 29534 | 27 | 67 | 1094 | 1.62(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:47 | 33:48 | 0 | 1.307 | 279908 | 31222 | 61 | 152 | 512 | | |
| 327.8775 | 33:47 | 33:48 | 0 | 1.307 | 174519 | 20055 | 27 | 67 | 743 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:47 | 33:48 | 0 | 1.307 | 279908 | 31222 | 61 | 152 | 512 | | |
| 327.8775 | 33:47 | 33:48 | 0 | 1.307 | 174519 | 20055 | 27 | 67 | 743 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:02 | 34:02 | 0 | 1.316 | 89359 | 17565 | 61 | 152 | 288 | | |
| 327.8775 | 34:02 | 34:02 | 0 | 1.316 | 56255 | 10356 | 27 | 67 | 384 | 1.59(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | a |
| 325.8804 | 34:26 | 34:26 | 0 | 1.331 | 146209 | 29659 | 61 | 152 | 486 | | a |
| 327.8775 | 34:26 | 34:26 | 0 | 1.331 | 93639 | 18951 | 27 | 67 | 702 | 1.56(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:54 | 34:54 | 0 | 1.350 | 152662 | 29901 | 61 | 152 | 490 | | |
| 327.8775 | 34:54 | 34:54 | 0 | 1.350 | 98656 | 19023 | 27 | 67 | 705 | 1.55(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:01 | 36:03 | 0 | 1.393 | 342670 | 68968 | 280 | 700 | 246 | | |
| 327.8775 | 36:01 | 36:03 | 0 | 1.393 | 214261 | 43702 | 232 | 580 | 188 | 1.60(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:01 | 36:03 | 0 | 1.393 | 342670 | 68968 | 280 | 700 | 246 | | |
| 327.8775 | 36:01 | 36:03 | 0 | 1.393 | 214261 | 43702 | 232 | 580 | 188 | 1.60(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | a |
| 325.8804 | 36:16 | 36:16 | 0 | 1.402 | 182668 | 34796 | 280 | 700 | 124 | | a |
| 327.8775 | 36:16 | 36:16 | 0 | 1.402 | 116457 | 22247 | 232 | 580 | 96 | 1.57(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:23 | 36:22 | 1 | 1.001 | 182078 | 37408 | 280 | 700 | 134 | | |
| 327.8775 | 36:23 | 36:22 | 1 | 1.001 | 114248 | 22990 | 232 | 580 | 99 | 1.59(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:30 | 36:29 | 0 | 1.004 | 174296 | 34816 | 280 | 700 | 124 | | |
| 327.8775 | 36:30 | 36:29 | 0 | 1.004 | 107531 | 22115 | 232 | 580 | 95 | 1.62(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:42 | 36:41 | 0 | 1.000 | 183119 | 35944 | 280 | 700 | 128 | | |
| 327.8775 | 36:42 | 36:41 | 0 | 1.000 | 112557 | 22381 | 232 | 580 | 96 | 1.63(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:03 | 37:03 | 0 | 1.010 | 161619 | 31765 | 280 | 700 | 113 | | |
| 327.8775 | 37:03 | 37:03 | 0 | 1.010 | 96503 | 20348 | 232 | 580 | 88 | 1.67(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:14 | 37:14 | 0 | 1.001 | 192131 | 35929 | 280 | 700 | 128 | | |
| 327.8775 | 37:14 | 37:14 | 0 | 1.001 | 120687 | 23090 | 232 | 580 | 100 | 1.59(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:53 | 37:52 | 0 | 1.001 | 178721 | 33507 | 280 | 700 | 120 | | |
| 327.8775 | 37:53 | 37:52 | 0 | 1.001 | 110135 | 21537 | 232 | 580 | 93 | 1.62(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:22 | 39:21 | 0 | 1.040 | 187937 | 36224 | 280 | 700 | 129 | | |
| 327.8775 | 39:22 | 39:21 | 0 | 1.040 | 118628 | 22542 | 232 | 580 | 97 | 1.58(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 40:58 | 40:58 | 0 | 1.001 | 184218 | 32415 | 280 | 700 | 116 | | |
| 327.8775 | 40:58 | 40:58 | 0 | 1.001 | 114466 | 21484 | 232 | 580 | 93 | 1.61(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:31 | 31:30 | 0 | 0.792 | 196415 | 43460 | 84 | 210 | 517 | | |
| 373.8788 | 31:31 | 31:30 | 0 | 0.792 | 154146 | 34064 | 102 | 255 | 334 | 1.27(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:48 | 39:48 | 0 | | 249763 | 50498 | 114 | 285 | 443 | | |
| 373.8788 | 39:48 | 39:48 | 0 | | 195092 | 39160 | 146 | 365 | 268 | 1.28(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:49 | 42:49 | -1 | 1.076 | 253770 | 50433 | 114 | 285 | 442 | | |
| 373.8788 | 42:49 | 42:49 | 0 | 1.076 | 193939 | 35064 | 146 | 365 | 240 | 1.31(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:57 | -1 | 1.104 | 500257 | 72001 | 114 | 285 | 632 | | |
| 373.8788 | 43:58 | 43:57 | 0 | 1.105 | 394598 | 55489 | 146 | 365 | 380 | 1.27(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 43:57 | 43:57 | -1 | 1.104 | 500257 | 72001 | 114 | 285 | 632 | | |
| 373.8788 | 43:58 | 43:57 | 0 | 1.105 | 394598 | 55489 | 146 | 365 | 380 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:12 | 47:11 | 0 | 1.186 | 260798 | 48992 | 114 | 285 | 430 | | |
| 373.8788 | 47:12 | 47:11 | -1 | 1.186 | 209491 | 39240 | 146 | 365 | 269 | 1.24(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:32 | 31:31 | 0 | 1.001 | 112294 | 24492 | 38 | 95 | 645 | | |
| 361.8385 | 31:32 | 31:31 | 0 | 1.001 | 88398 | 19962 | 35 | 87 | 570 | 1.27(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:44 | 31:41 | 1 | 1.007 | 108149 | 24421 | 38 | 95 | 643 | | |
| 361.8385 | 31:44 | 31:41 | 1 | 1.007 | 82043 | 18231 | 35 | 87 | 521 | 1.32(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:53 | 31:52 | 0 | 1.012 | 109883 | 23311 | 38 | 95 | 613 | | |
| 361.8385 | 31:53 | 31:52 | 0 | 1.012 | 85850 | 19114 | 35 | 87 | 546 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:15 | 32:13 | 1 | 1.023 | 101775 | 22010 | 38 | 95 | 579 | | |
| 361.8385 | 32:15 | 32:13 | 1 | 1.023 | 81990 | 16716 | 35 | 87 | 478 | 1.24(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:33 | 32:31 | 1 | 1.033 | 107544 | 22605 | 38 | 95 | 595 | | |
| 361.8385 | 32:32 | 32:31 | 0 | 1.033 | 84922 | 17968 | 35 | 87 | 513 | 1.27(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:04 | 34:02 | 0 | 1.081 | 78986 | 16025 | 38 | 95 | 422 | | |
| 361.8385 | 34:03 | 34:02 | 0 | 1.081 | 62874 | 12641 | 35 | 87 | 361 | 1.26(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | M |
| 359.8415 | 34:39 | 34:37 | 0 | 1.099 | 151950 | 17909 | 38 | 95 | 471 | | |
| 361.8385 | 34:39 | 34:37 | 0 | 1.099 | 120860 | 14255 | 35 | 87 | 407 | 1.26(1.05-1.43) | M |
| PCB-151 (C135) | | | | | | | | | | | M |
| 359.8415 | 34:39 | 34:37 | 0 | 1.099 | 151950 | 17909 | 38 | 95 | 471 | | |
| 361.8385 | 34:39 | 34:37 | 0 | 1.099 | 120860 | 14255 | 35 | 87 | 407 | 1.26(1.05-1.43) | M |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 34:55 | 34:53 | 0 | 1.108 | 90892 | 18748 | 38 | 95 | 493 | | |
| 361.8385 | 34:55 | 34:53 | 0 | 1.108 | 69450 | 15124 | 35 | 87 | 432 | 1.31(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:13 | 35:11 | 0 | 1.118 | 77726 | 16139 | 38 | 95 | 425 | | |
| 361.8385 | 35:13 | 35:11 | 0 | 1.118 | 62030 | 12315 | 35 | 87 | 352 | 1.25(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 0 | 1.129 | 209919 | 43572 | 66 | 165 | 660 | | |
| 361.8385 | 35:35 | 35:33 | 0 | 1.129 | 169881 | 35763 | 66 | 165 | 542 | 1.24(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:35 | 35:33 | 0 | 1.129 | 209919 | 43572 | 66 | 165 | 660 | | |
| 361.8385 | 35:35 | 35:33 | 0 | 1.129 | 169881 | 35763 | 66 | 165 | 542 | 1.24(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:52 | 35:51 | 0 | 1.138 | 184332 | 20681 | 66 | 165 | 313 | | |
| 361.8385 | 35:52 | 35:51 | 0 | 1.138 | 144037 | 16395 | 66 | 165 | 248 | 1.28(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:52 | 35:51 | 0 | 1.138 | 184332 | 20681 | 66 | 165 | 313 | | |
| 361.8385 | 35:52 | 35:51 | 0 | 1.138 | 144037 | 16395 | 66 | 165 | 248 | 1.28(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:09 | 0 | 1.148 | 213129 | 40777 | 66 | 165 | 618 | | |
| 361.8385 | 36:10 | 36:09 | 0 | 1.148 | 167370 | 31722 | 66 | 165 | 481 | 1.27(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:10 | 36:09 | 0 | 1.148 | 213129 | 40777 | 66 | 165 | 618 | | |
| 361.8385 | 36:10 | 36:09 | 0 | 1.148 | 167370 | 31722 | 66 | 165 | 481 | 1.27(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:23 | 36:21 | 1 | 1.154 | 91070 | 18804 | 66 | 165 | 285 | | |
| 361.8385 | 36:22 | 36:21 | 0 | 1.154 | 69923 | 14320 | 66 | 165 | 217 | 1.30(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:31 | 36:30 | 0 | 1.159 | 90236 | 18790 | 66 | 165 | 285 | | |
| 361.8385 | 36:31 | 36:30 | 0 | 1.159 | 74823 | 14900 | 66 | 165 | 226 | 1.21(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:49 | 36:48 | 0 | 1.169 | 95274 | 18985 | 66 | 165 | 288 | | |
| 361.8385 | 36:49 | 36:48 | 0 | 1.169 | 74519 | 15133 | 66 | 165 | 229 | 1.28(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:21 | 37:19 | 1 | 1.185 | 99151 | 19631 | 66 | 165 | 297 | | |
| 361.8385 | 37:20 | 37:19 | 0 | 1.185 | 76573 | 15500 | 66 | 165 | 235 | 1.29(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:43 | 37:42 | 0 | 0.881 | 122453 | 24445 | 66 | 165 | 370 | | |
| 361.8385 | 37:43 | 37:42 | 0 | 0.881 | 99782 | 20530 | 66 | 165 | 311 | 1.23(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 37:59 | 37:58 | 0 | 0.887 | 104025 | 20971 | 66 | 165 | 318 | | |
| 361.8385 | 37:59 | 37:58 | 0 | 0.887 | 86751 | 18795 | 66 | 165 | 285 | 1.20(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:07 | 38:06 | 0 | 0.890 | 145181 | 29788 | 66 | 165 | 451 | | |
| 361.8385 | 38:07 | 38:06 | 0 | 0.890 | 115243 | 23258 | 66 | 165 | 352 | 1.26(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:36 | 0 | 0.902 | 271600 | 39820 | 66 | 165 | 603 | | |
| 361.8385 | 38:37 | 38:36 | -1 | 0.902 | 211942 | 32737 | 66 | 165 | 496 | 1.28(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:38 | 38:36 | 0 | 0.902 | 271600 | 39820 | 66 | 165 | 603 | | |
| 361.8385 | 38:37 | 38:36 | -1 | 0.902 | 211942 | 32737 | 66 | 165 | 496 | 1.28(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:47 | 38:46 | 0 | 0.906 | 106701 | 20448 | 66 | 165 | 310 | | |
| 361.8385 | 38:47 | 38:46 | 0 | 0.906 | 83568 | 15933 | 66 | 165 | 241 | 1.28(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:11 | 39:10 | 0 | 0.915 | 89360 | 17537 | 66 | 165 | 266 | | |
| 361.8385 | 39:11 | 39:10 | 0 | 0.915 | 73393 | 14948 | 66 | 165 | 226 | 1.22(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:25 | 39:23 | 0 | 0.921 | 108515 | 22017 | 66 | 165 | 334 | | |
| 361.8385 | 39:25 | 39:23 | 0 | 0.921 | 89219 | 18696 | 66 | 165 | 283 | 1.22(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:32 | 39:30 | 0 | 0.923 | 141079 | 27814 | 66 | 165 | 421 | | |
| 361.8385 | 39:32 | 39:30 | 0 | 0.923 | 114234 | 21923 | 66 | 165 | 332 | 1.24(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.931 | 466989 | 52622 | 66 | 165 | 797 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.931 | 371537 | 42411 | 66 | 165 | 643 | 1.26(1.05-1.43) | |
| PCB-138 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.931 | 466989 | 52622 | 66 | 165 | 797 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.931 | 371537 | 42411 | 66 | 165 | 643 | 1.26(1.05-1.43) | |
| PCB-160 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.931 | 466989 | 52622 | 66 | 165 | 797 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.931 | 371537 | 42411 | 66 | 165 | 643 | 1.26(1.05-1.43) | |
| PCB-163 (C129) | | | | | | | | | | | Ma |
| 359.8415 | 39:51 | 39:51 | 0 | 0.931 | 466989 | 52622 | 66 | 165 | 797 | | M |
| 361.8385 | 39:51 | 39:51 | 0 | 0.931 | 371537 | 42411 | 66 | 165 | 643 | 1.26(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:13 | 40:12 | 0 | 0.940 | 153846 | 30176 | 66 | 165 | 457 | | |
| 361.8385 | 40:13 | 40:12 | 0 | 0.940 | 121015 | 23759 | 66 | 165 | 360 | 1.27(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:03 | 0 | 0.959 | 240810 | 40662 | 66 | 165 | 616 | | |
| 361.8385 | 41:04 | 41:03 | 0 | 0.959 | 193614 | 33671 | 66 | 165 | 510 | 1.24(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:04 | 41:03 | 0 | 0.959 | 240810 | 40662 | 66 | 165 | 616 | | |
| 361.8385 | 41:04 | 41:03 | 0 | 0.959 | 193614 | 33671 | 66 | 165 | 510 | 1.24(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:05 | 42:03 | 0 | 0.983 | 145842 | 27805 | 66 | 165 | 421 | | |
| 361.8385 | 42:05 | 42:03 | 0 | 0.983 | 115082 | 22207 | 66 | 165 | 336 | 1.27(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:21 | 42:21 | -1 | 0.989 | 154219 | 29140 | 66 | 165 | 442 | | |
| 361.8385 | 42:22 | 42:21 | 0 | 0.990 | 124825 | 23234 | 66 | 165 | 352 | 1.24(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:50 | 42:50 | -1 | 1.001 | 155952 | 30987 | 66 | 165 | 470 | | |
| 361.8385 | 42:50 | 42:50 | -1 | 1.001 | 126700 | 23650 | 66 | 165 | 358 | 1.23(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 43:59 | 43:59 | -1 | 1.001 | 291968 | 41038 | 66 | 165 | 622 | | |
| 361.8385 | 43:59 | 43:59 | -1 | 1.001 | 235392 | 32595 | 66 | 165 | 494 | 1.24(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 43:59 | 43:59 | -1 | 1.001 | 291968 | 41038 | 66 | 165 | 622 | | |
| 361.8385 | 43:59 | 43:59 | -1 | 1.001 | 235392 | 32595 | 66 | 165 | 494 | 1.24(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:13 | 47:12 | 0 | 1.000 | 156356 | 29452 | 66 | 165 | 446 | | |
| 361.8385 | 47:12 | 47:12 | -1 | 1.000 | 121270 | 23371 | 66 | 165 | 354 | 1.29(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:14 | 37:13 | 0 | 0.821 | 212338 | 45909 | 27 | 67 | 1700 | | |
| 407.8398 | 37:14 | 37:13 | 0 | 0.821 | 207779 | 42052 | 90 | 225 | 467 | 1.02(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:16 | 40:15 | -1 | 0.888 | 169159 | 33678 | 27 | 67 | 1247 | | |
| 407.8398 | 40:16 | 40:15 | 0 | 0.888 | 156343 | 32955 | 90 | 225 | 366 | 1.08(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:22 | 45:22 | -1 | | 215358 | 42098 | 27 | 67 | 1559 | | |
| 407.8398 | 45:21 | 45:22 | -1 | | 204907 | 40737 | 90 | 225 | 453 | 1.05(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:37 | 46:36 | 0 | 1.028 | 134040 | 26468 | 27 | 67 | 980 | | |
| 407.8398 | 46:37 | 46:36 | 0 | 1.028 | 119189 | 23603 | 90 | 225 | 262 | 1.12(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:44 | 49:43 | 0 | 1.096 | 267559 | 54774 | 568 | 1420 | 96 | | |
| 407.8398 | 49:43 | 49:43 | -1 | 1.096 | 264287 | 51445 | 491 | 1227 | 105 | 1.01(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:15 | 37:13 | 1 | 1.001 | 119715 | 24436 | 30 | 75 | 815 | | |
| 395.7995 | 37:15 | 37:13 | 1 | 1.001 | 112465 | 22617 | 41 | 102 | 552 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:35 | 37:33 | 0 | 1.009 | 118103 | 24403 | 30 | 75 | 813 | | |
| 395.7995 | 37:35 | 37:33 | 0 | 1.009 | 105546 | 20811 | 41 | 102 | 508 | 1.12(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:07 | 38:05 | 0 | 1.024 | 112159 | 22021 | 30 | 75 | 734 | | |
| 395.7995 | 38:07 | 38:05 | 0 | 1.024 | 102620 | 21385 | 41 | 102 | 522 | 1.09(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:27 | 38:26 | 0 | 1.033 | 123646 | 25175 | 30 | 75 | 839 | | |
| 395.7995 | 38:27 | 38:26 | 0 | 1.033 | 114873 | 23708 | 41 | 102 | 578 | 1.08(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 38:55 | 38:53 | 0 | 1.045 | 117970 | 23314 | 30 | 75 | 777 | | |
| 395.7995 | 38:55 | 38:53 | 0 | 1.045 | 108464 | 22432 | 41 | 102 | 547 | 1.09(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:18 | 40:16 | 0 | 1.083 | 82389 | 16436 | 30 | 75 | 548 | | |
| 395.7995 | 40:18 | 40:16 | 0 | 1.083 | 79652 | 15890 | 41 | 102 | 388 | 1.03(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 40:56 | 40:54 | 0 | 1.099 | 84851 | 16906 | 30 | 75 | 564 | | |
| 395.7995 | 40:56 | 40:54 | 0 | 1.099 | 82830 | 16562 | 41 | 102 | 404 | 1.02(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:12 | 41:10 | 0 | 1.107 | 93391 | 19564 | 30 | 75 | 652 | | |
| 395.7995 | 41:12 | 41:10 | 0 | 1.107 | 86328 | 17958 | 41 | 102 | 438 | 1.08(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:24 | 41:23 | -1 | 1.112 | 93917 | 18094 | 30 | 75 | 603 | | |
| 395.7995 | 41:24 | 41:23 | -1 | 1.112 | 89384 | 17290 | 41 | 102 | 422 | 1.05(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | Ma |
| 393.8025 | 41:54 | 41:54 | 5 | 1.125 | 180514 | 19002 | 30 | 75 | 633 | | M |
| 395.7995 | 41:48 | 41:54 | -1 | 1.123 | 174588 | 19366 | 41 | 102 | 472 | 1.03(0.89-1.21) | |
| PCB-185 (C183) | | | | | | | | | | | Ma |
| 393.8025 | 41:54 | 41:54 | 5 | 1.125 | 180514 | 19002 | 30 | 75 | 633 | | M |
| 395.7995 | 41:48 | 41:54 | -1 | 1.123 | 174588 | 19366 | 41 | 102 | 472 | 1.03(0.89-1.21) | |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:02 | 42:01 | -1 | 1.129 | 79605 | 16409 | 30 | 75 | 547 | | |
| 395.7995 | 42:02 | 42:01 | -1 | 1.129 | 77659 | 15613 | 41 | 102 | 381 | 1.03(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:29 | 42:27 | 0 | 1.141 | 81698 | 15914 | 30 | 75 | 530 | | |
| 395.7995 | 42:29 | 42:27 | 0 | 1.141 | 72730 | 14175 | 41 | 102 | 346 | 1.12(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:53 | 42:51 | -1 | 1.152 | 88032 | 18735 | 30 | 75 | 625 | | |
| 395.7995 | 42:53 | 42:51 | -1 | 1.152 | 87741 | 17900 | 41 | 102 | 437 | 1.00(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:04 | 0 | 1.158 | 160291 | 27926 | 30 | 75 | 931 | | |
| 395.7995 | 43:06 | 43:04 | 0 | 1.158 | 147739 | 24548 | 41 | 102 | 599 | 1.08(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:06 | 43:04 | 0 | 1.158 | 160291 | 27926 | 30 | 75 | 931 | | |
| 395.7995 | 43:06 | 43:04 | 0 | 1.158 | 147739 | 24548 | 41 | 102 | 599 | 1.08(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:44 | 44:44 | -1 | 0.899 | 86015 | 17249 | 30 | 75 | 575 | | |
| 395.7995 | 44:44 | 44:44 | -1 | 0.899 | 78058 | 14621 | 41 | 102 | 357 | 1.10(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:01 | 45:01 | -1 | 0.905 | 110788 | 21063 | 30 | 75 | 702 | | |
| 395.7995 | 45:01 | 45:01 | -1 | 0.905 | 102753 | 19864 | 41 | 102 | 484 | 1.08(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:20 | 45:20 | -1 | 0.912 | 206116 | 28551 | 30 | 75 | 952 | | |
| 395.7995 | 45:20 | 45:20 | -1 | 0.912 | 196076 | 26208 | 41 | 102 | 639 | 1.05(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:20 | 45:20 | -1 | 0.912 | 206116 | 28551 | 30 | 75 | 952 | | |
| 395.7995 | 45:20 | 45:20 | -1 | 0.912 | 196076 | 26208 | 41 | 102 | 639 | 1.05(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:44 | 45:44 | -1 | 0.919 | 114074 | 22519 | 30 | 75 | 751 | | |
| 395.7995 | 45:44 | 45:44 | -1 | 0.919 | 116669 | 22490 | 41 | 102 | 549 | 0.98(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:38 | 46:38 | -1 | 0.938 | 81899 | 15579 | 30 | 75 | 519 | | |
| 395.7995 | 46:38 | 46:38 | -1 | 0.938 | 81781 | 15558 | 41 | 102 | 379 | 1.00(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:09 | 47:09 | -1 | 0.948 | 119843 | 23334 | 30 | 75 | 778 | | |
| 395.7995 | 47:09 | 47:09 | -1 | 0.948 | 114668 | 21928 | 41 | 102 | 535 | 1.05(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:45 | 49:45 | -1 | 1.000 | 174518 | 34094 | 85 | 212 | 401 | | |
| 395.7995 | 49:45 | 49:45 | -1 | 1.000 | 163013 | 31922 | 69 | 172 | 463 | 1.07(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:35 | 42:36 | -1 | 0.822 | 164961 | 32083 | 149 | 372 | 215 | | |
| 441.8008 | 42:35 | 42:36 | -1 | 0.822 | 183872 | 35403 | 29 | 72 | 1221 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:50 | 51:51 | -1 | | 240190 | 44041 | 350 | 875 | 126 | | |
| 441.8008 | 51:51 | 51:51 | 0 | | 272601 | 50687 | 289 | 722 | 175 | 0.88(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:19 | 52:19 | -1 | 1.009 | 216563 | 40946 | 350 | 875 | 117 | | |
| 441.8008 | 52:18 | 52:19 | -2 | 1.009 | 243553 | 46905 | 289 | 722 | 162 | 0.89(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:37 | 42:35 | 0 | 1.001 | 79769 | 15564 | 22 | 55 | 707 | | |
| 429.7606 | 42:37 | 42:35 | 0 | 1.001 | 87770 | 16448 | 22 | 55 | 748 | 0.91(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:33 | 43:31 | 0 | 1.022 | 89455 | 17399 | 22 | 55 | 791 | | |
| 429.7606 | 43:33 | 43:31 | 0 | 1.022 | 99100 | 19616 | 22 | 55 | 892 | 0.90(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:13 | 44:12 | -1 | 1.038 | 84329 | 16296 | 22 | 55 | 741 | | |
| 429.7606 | 44:13 | 44:12 | -1 | 1.038 | 95148 | 18669 | 22 | 55 | 849 | 0.89(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:26 | 44:25 | -1 | 1.043 | 93134 | 19410 | 22 | 55 | 882 | | |
| 429.7606 | 44:26 | 44:25 | -1 | 1.043 | 102015 | 20623 | 22 | 55 | 937 | 0.91(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:32 | 44:31 | -1 | 1.046 | 87568 | 17400 | 22 | 55 | 791 | | |
| 429.7606 | 44:32 | 44:31 | -1 | 1.046 | 97807 | 18763 | 22 | 55 | 853 | 0.90(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:19 | 47:19 | -1 | 1.111 | 130288 | 17605 | 22 | 55 | 800 | | |
| 429.7606 | 47:20 | 47:19 | 0 | 1.112 | 146464 | 19242 | 22 | 55 | 875 | 0.89(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:19 | 47:19 | -1 | 1.111 | 130288 | 17605 | 22 | 55 | 800 | | |
| 429.7606 | 47:20 | 47:19 | 0 | 1.112 | 146464 | 19242 | 22 | 55 | 875 | 0.89(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 47:59 | 48:00 | -2 | 0.917 | 69521 | 13782 | 22 | 55 | 626 | | |
| 429.7606 | 48:00 | 48:00 | -1 | 0.918 | 76105 | 15236 | 22 | 55 | 693 | 0.91(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:12 | 48:12 | -1 | 0.921 | 73867 | 13947 | 22 | 55 | 634 | | |
| 429.7606 | 48:11 | 48:12 | -2 | 0.921 | 82065 | 14938 | 22 | 55 | 679 | 0.90(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:30 | 49:31 | -2 | 0.946 | 84403 | 15723 | 60 | 150 | 262 | | |
| 429.7606 | 49:31 | 49:31 | -1 | 0.946 | 90558 | 17159 | 74 | 185 | 232 | 0.93(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:52 | 51:51 | -1 | 0.991 | 96654 | 18754 | 60 | 150 | 313 | | |
| 429.7606 | 51:52 | 51:51 | -1 | 0.991 | 107713 | 20900 | 74 | 185 | 282 | 0.90(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:21 | 52:19 | 0 | 1.000 | 122570 | 23161 | 60 | 150 | 386 | | |
| 429.7606 | 52:20 | 52:19 | -1 | 1.000 | 139316 | 26798 | 74 | 185 | 362 | 0.88(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:16 | 49:16 | -1 | 0.950 | 182709 | 36257 | 363 | 907 | 100 | | |
| 475.7619 | 49:16 | 49:16 | -1 | 0.950 | 245313 | 48505 | 254 | 635 | 191 | 0.74(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:04 | 54:05 | -2 | 1.043 | 140087 | 27065 | 363 | 907 | 75 | | |
| 475.7619 | 54:04 | 54:05 | -2 | 1.043 | 176525 | 34498 | 254 | 635 | 136 | 0.79(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:17 | 49:17 | -1 | 1.001 | 94980 | 18039 | 62 | 155 | 291 | | |
| 463.7216 | 49:17 | 49:17 | -1 | 1.001 | 120785 | 23735 | 166 | 415 | 143 | 0.79(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:13 | 50:13 | -1 | 1.019 | 107951 | 21122 | 62 | 155 | 341 | | |
| 463.7216 | 50:13 | 50:13 | -1 | 1.019 | 132776 | 24953 | 166 | 415 | 150 | 0.81(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:05 | 54:05 | -1 | 1.000 | 78775 | 14579 | 62 | 155 | 235 | | |
| 463.7216 | 54:05 | 54:05 | -1 | 1.000 | 95957 | 19264 | 166 | 415 | 116 | 0.82(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:42 | 55:43 | -1 | 1.075 | 149799 | 27307 | 72 | 180 | 379 | | |
| 509.7229 | 55:42 | 55:43 | -1 | 1.075 | 218611 | 41480 | 58 | 145 | 715 | 0.69(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:44 | 55:44 | -1 | 1.000 | 87638 | 15246 | 28 | 70 | 545 | | |
| 497.6826 | 55:44 | 55:44 | -1 | 1.000 | 128672 | 22941 | 29 | 72 | 791 | 0.68(0.59-0.79) | |

## QC Flag Legend

Review Flags

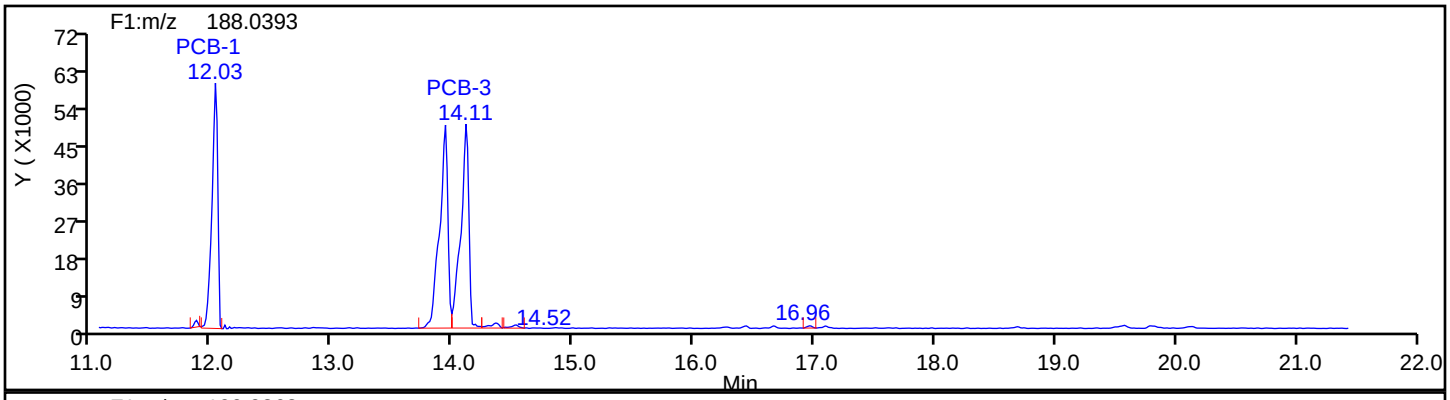
M - Manually Integrated

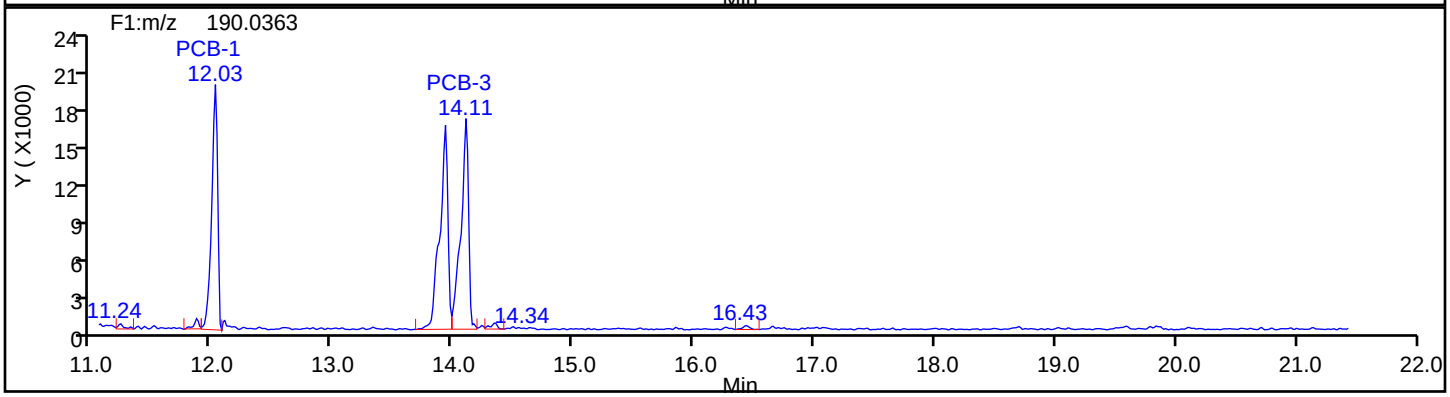
a - User Assigned ID

Eurofins TestAmerica, Knoxville

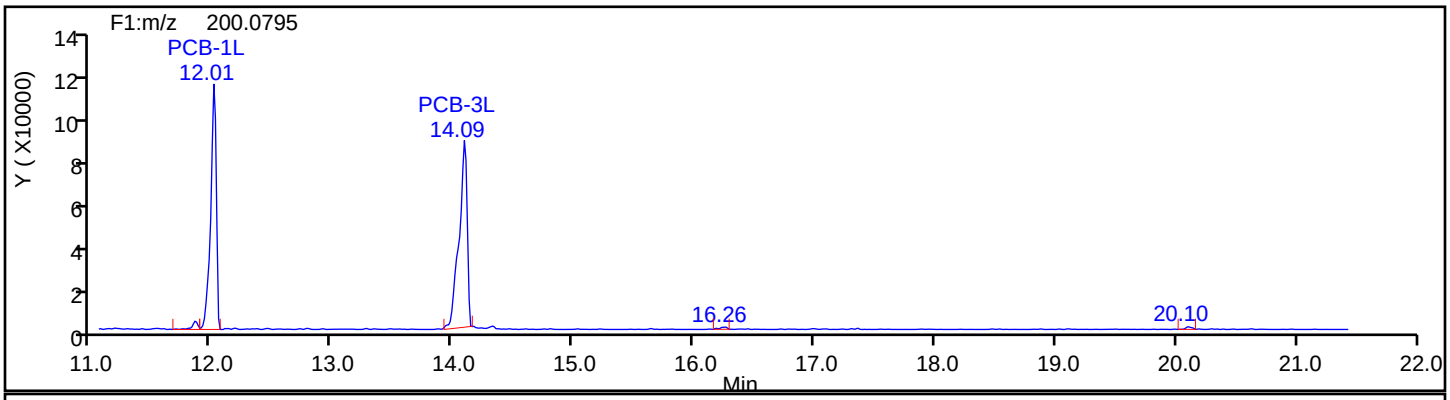
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

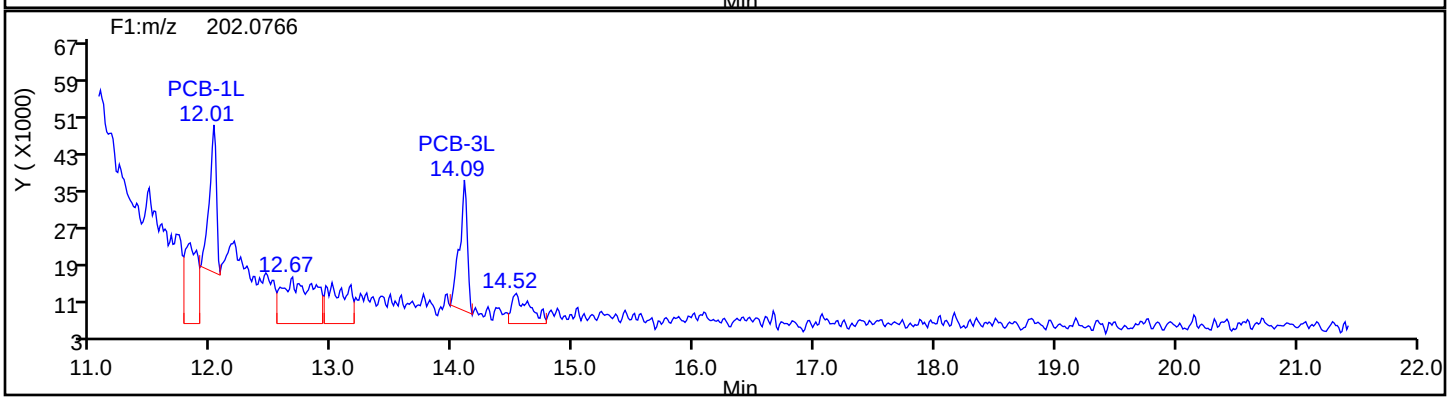
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
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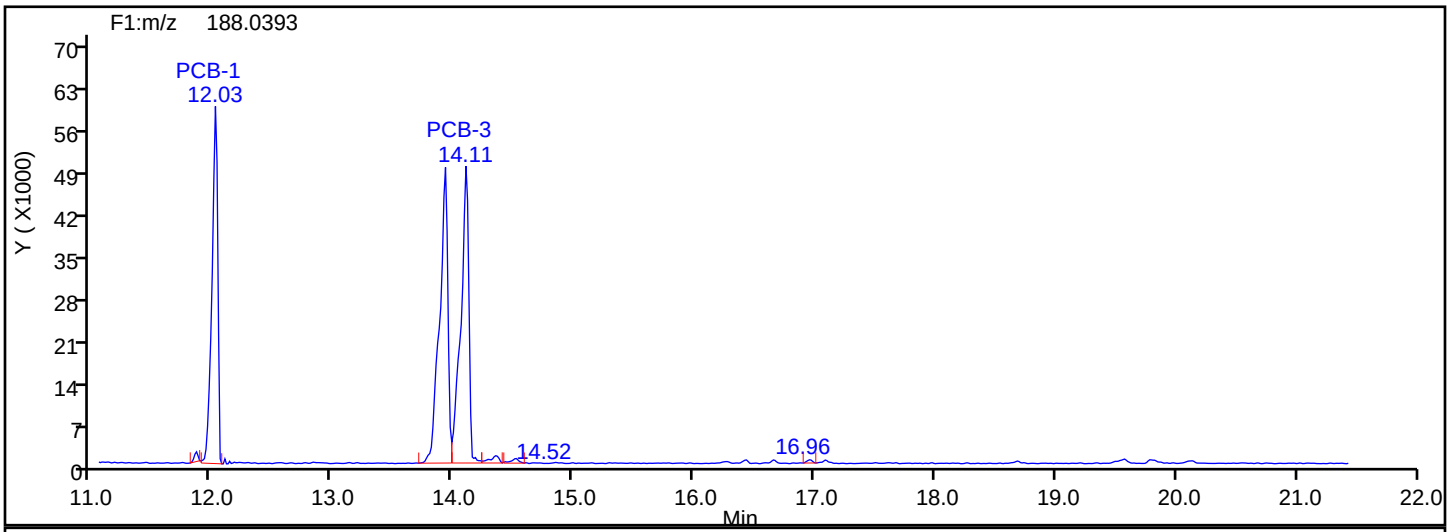
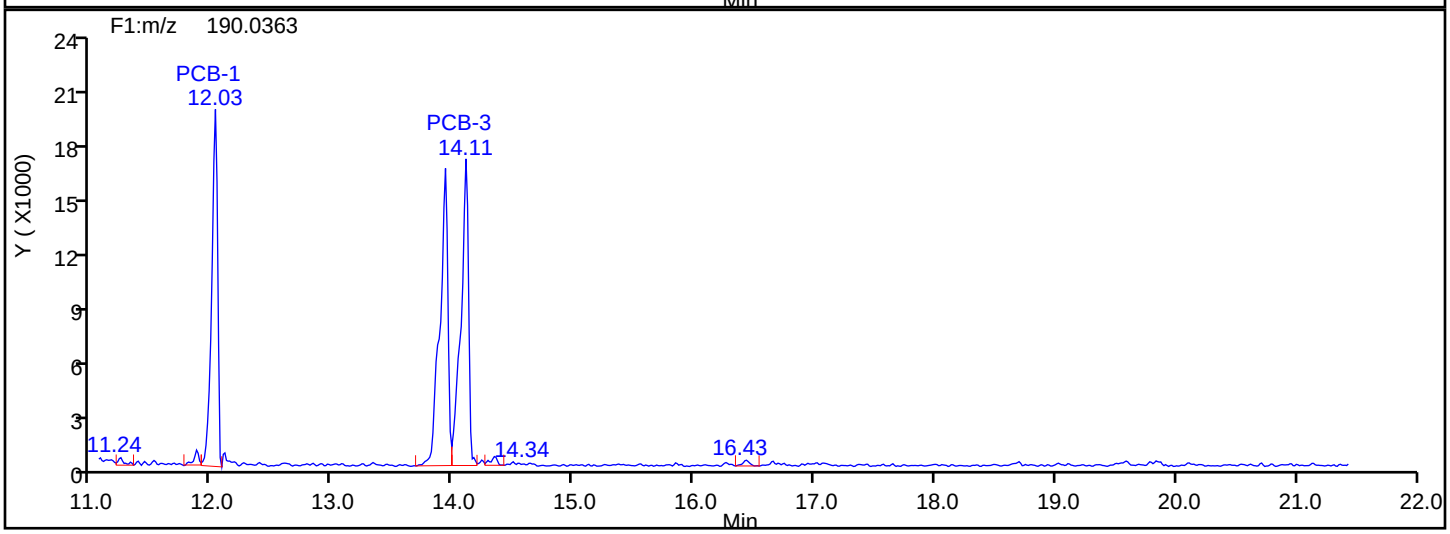
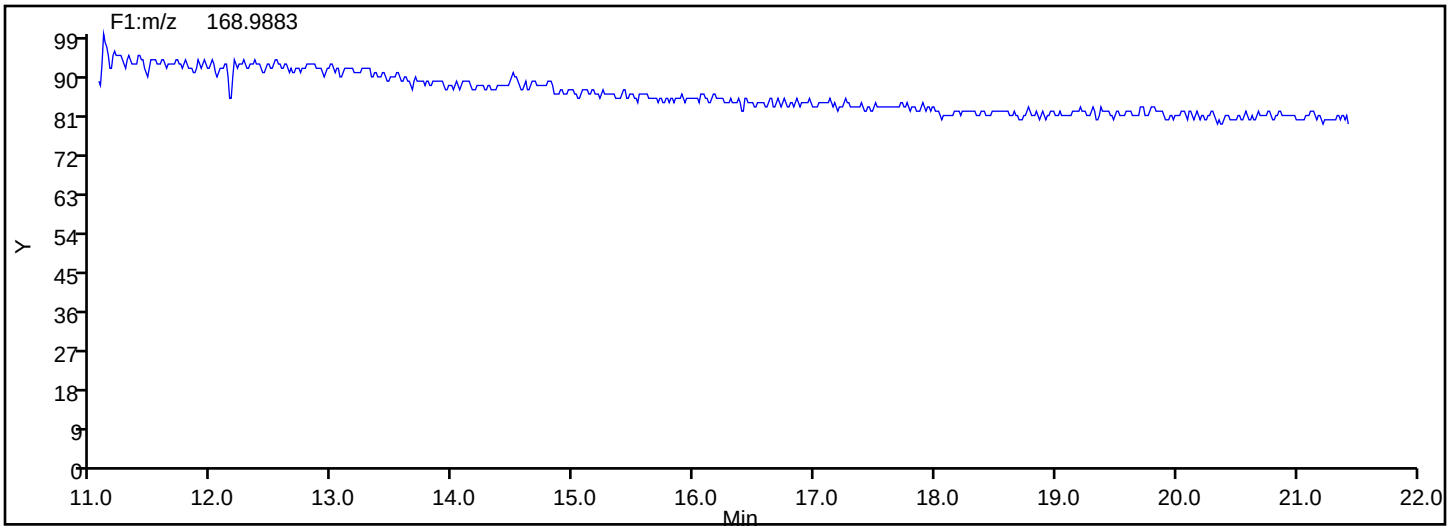
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

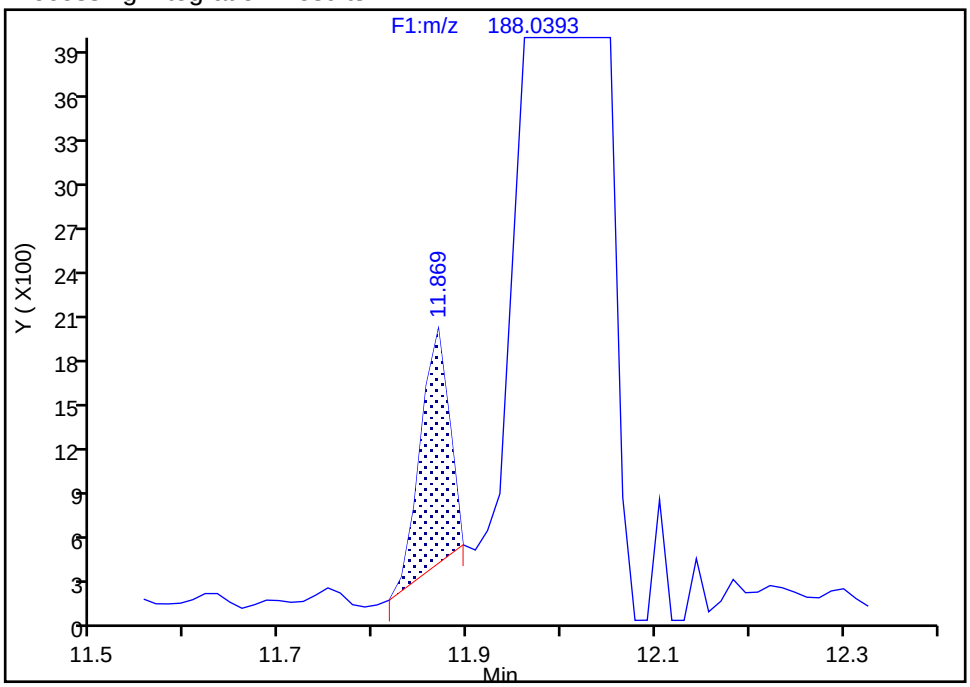
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1, CAS: 2051-60-7

Signal: 1

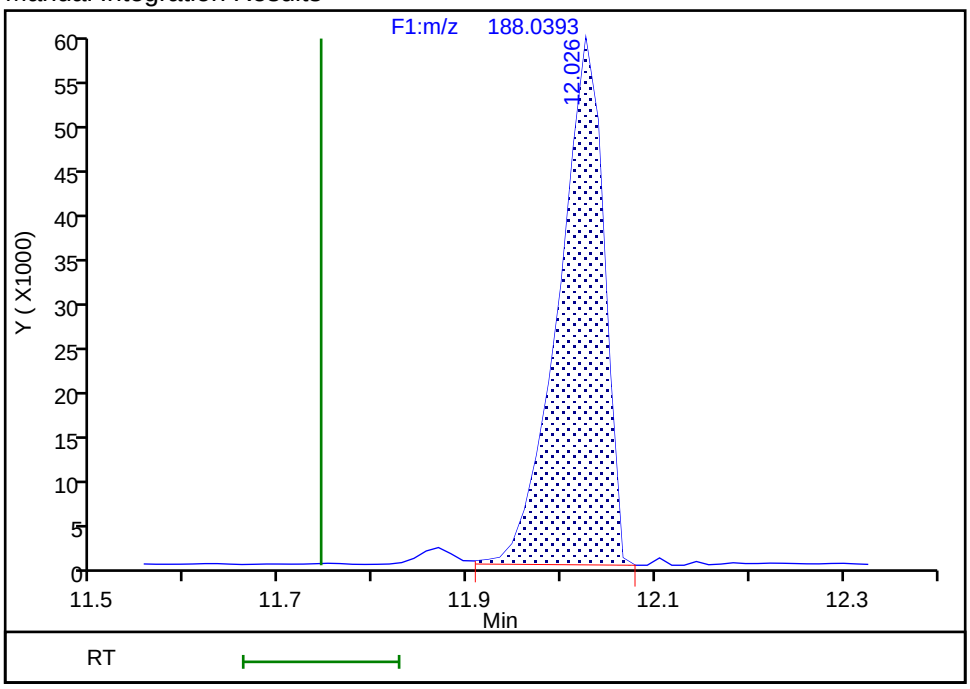
Processing Integration Results

RT: 11.87
Area: 3415
Amount: 0.197540
Amount Units: pg/ul




Manual Integration Results

RT: 12.03
Area: 199332
Amount: 9.213759
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:54:13
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

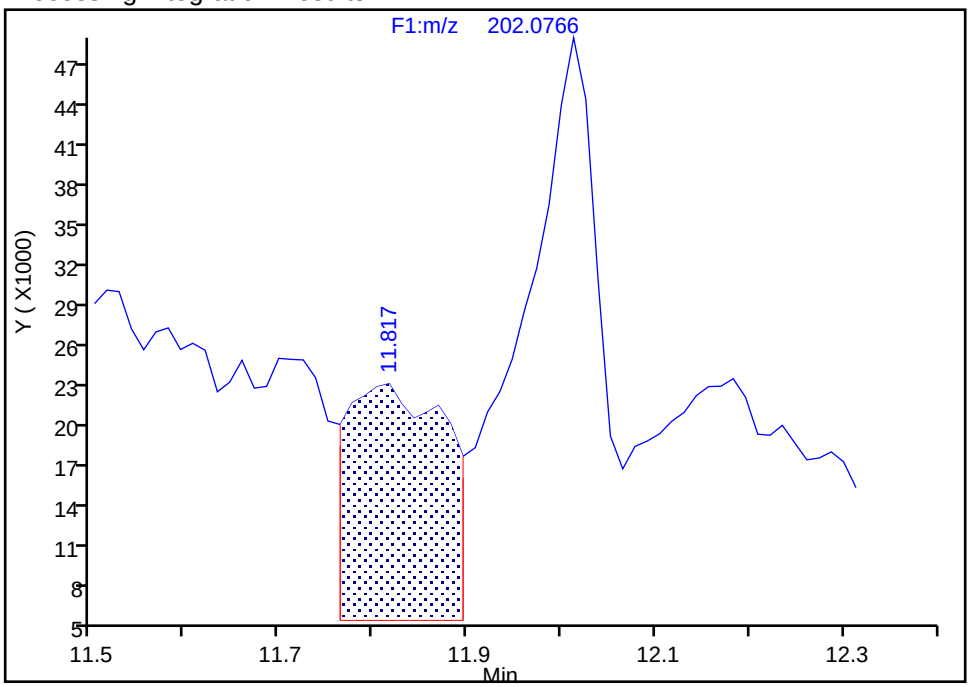
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d
Injection Date: 03-Oct-2019 12:37:00 Instrument ID: D3D
Lims ID: LCS 140-33628/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F1(11.07 :21.70 )

## PCB-1L, CAS: 234432-85-0

Signal: 2

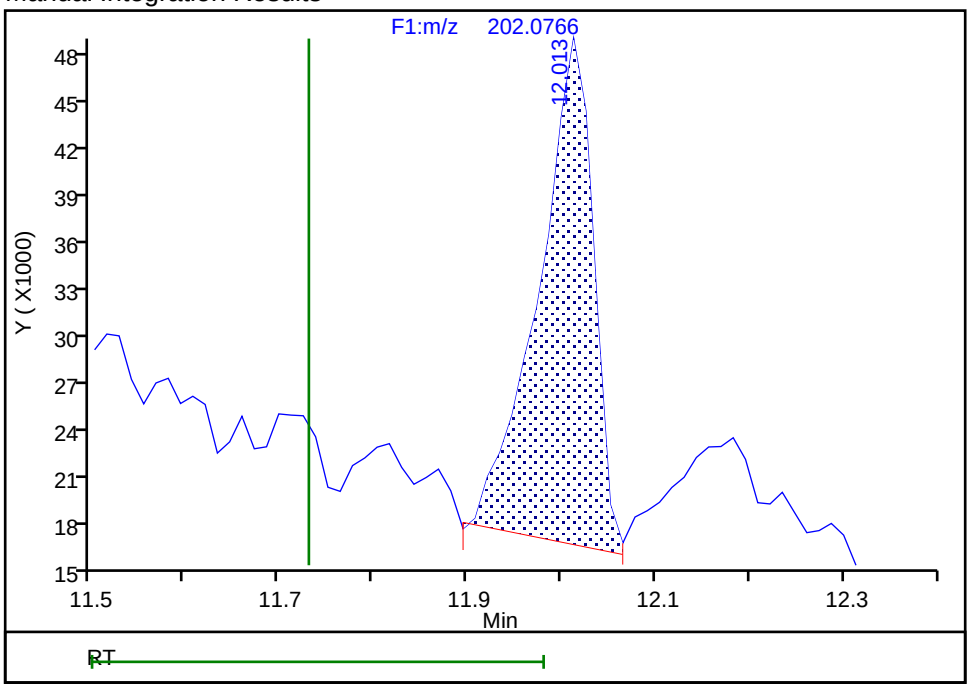
Processing Integration Results

RT: 11.82
Area: 124832
Amount: 3.346474
Amount Units: pg/ul




Manual Integration Results

RT: 12.01
Area: 130381
Amount: 11.852375
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:53:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

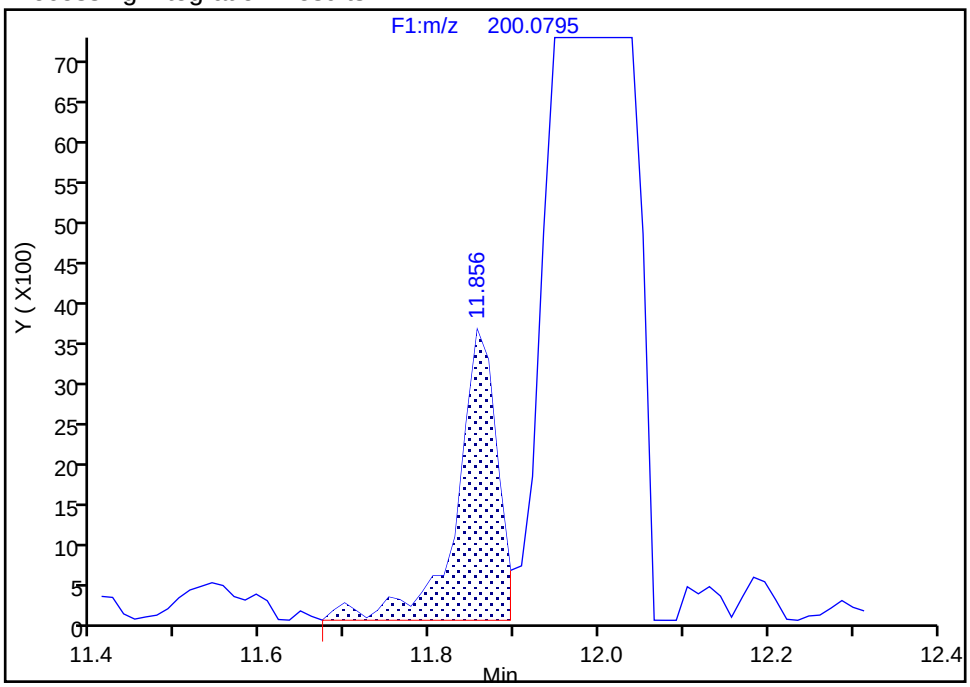
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-1L, CAS: 234432-85-0

Signal: 1

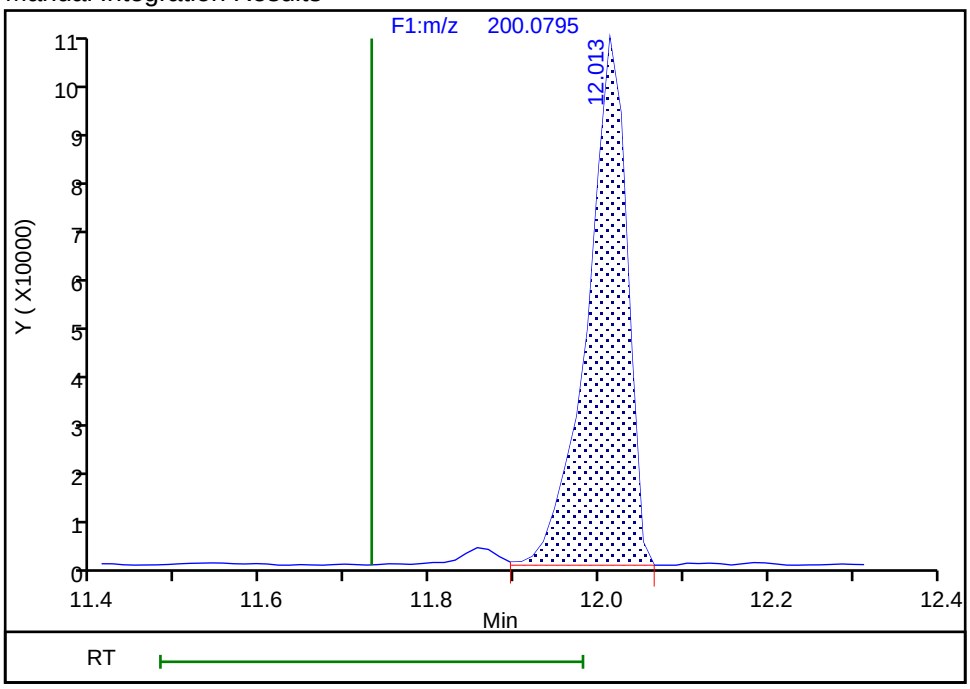
Processing Integration Results

RT: 11.86
Area: 11934
Amount: 3.346474
Amount Units: pg/ul




Manual Integration Results

RT: 12.01
Area: 354010
Amount: 11.852375
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:53:49
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

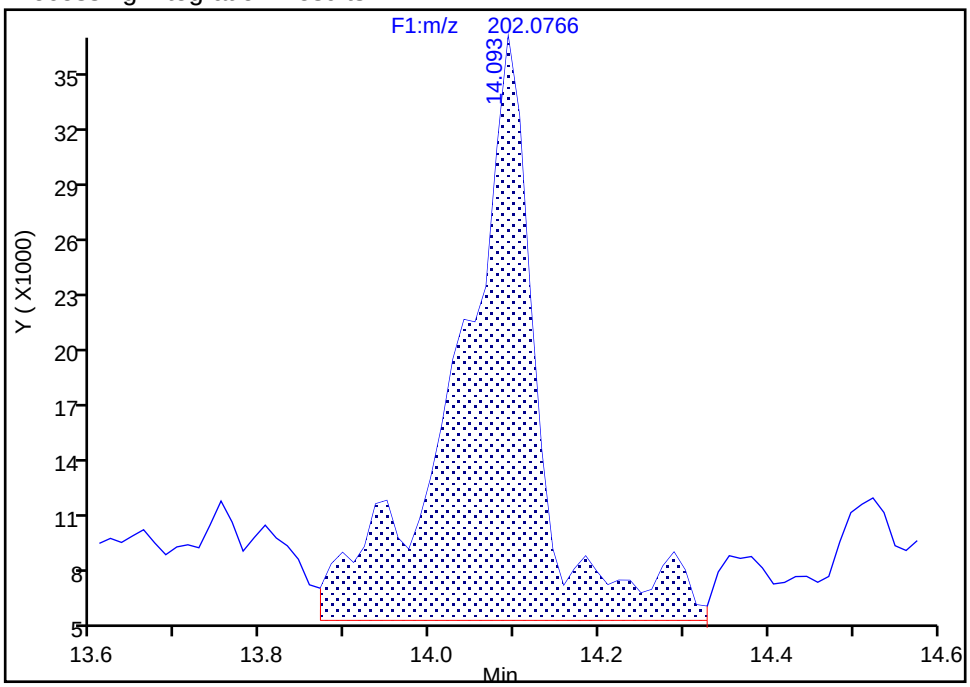
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 2

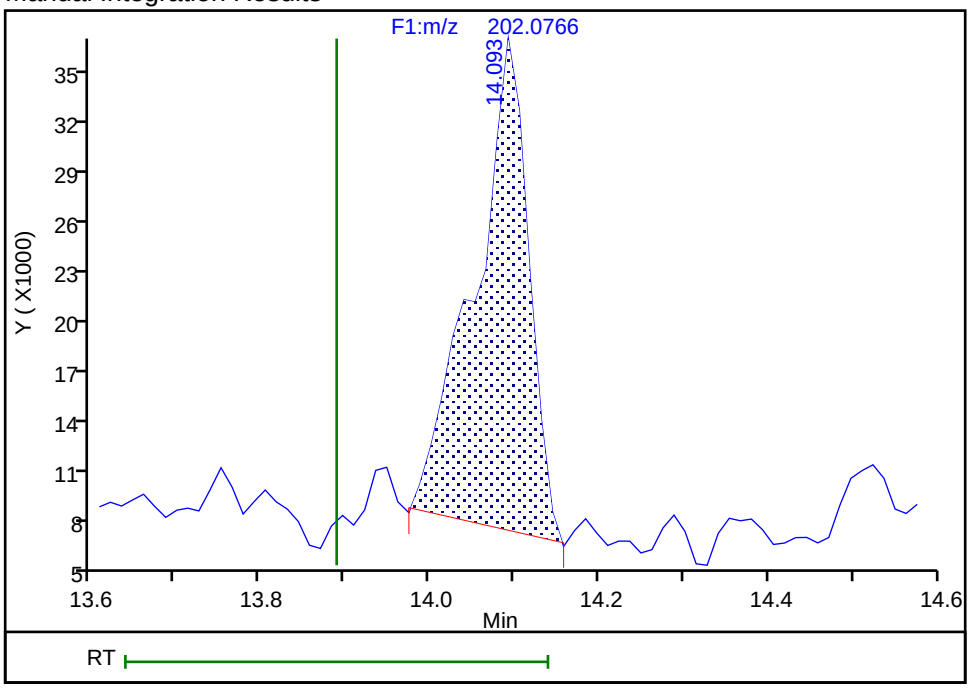
Processing Integration Results

RT: 14.09
Area: 211127
Amount: 14.565419
Amount Units: pg/ul




Manual Integration Results

RT: 14.09
Area: 127470
Amount: 12.150884
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:53:56

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

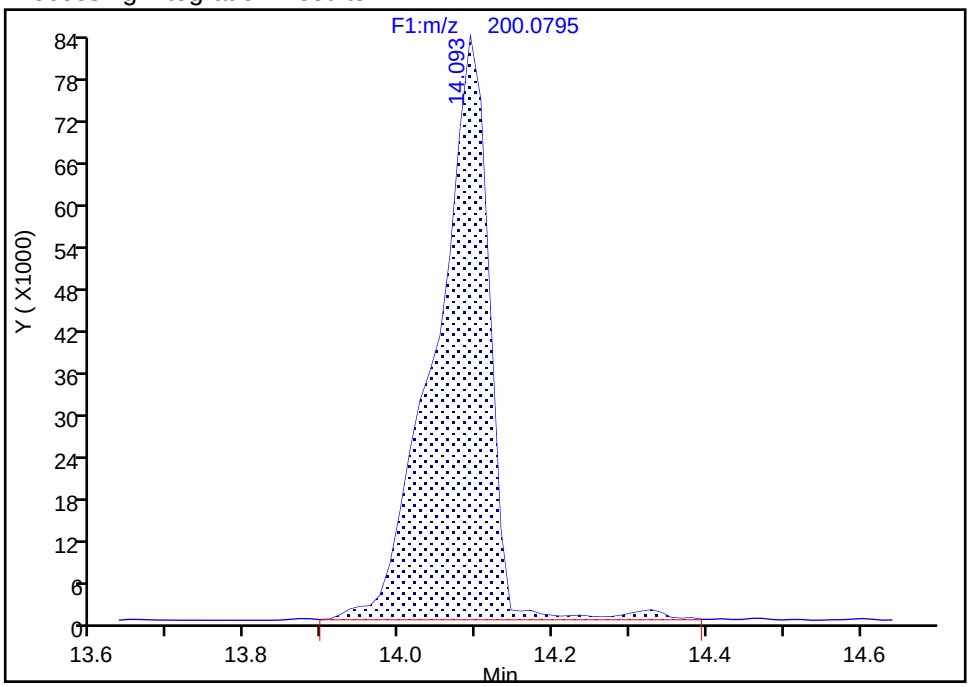
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-3L, CAS: 208263-77-8

Signal: 1

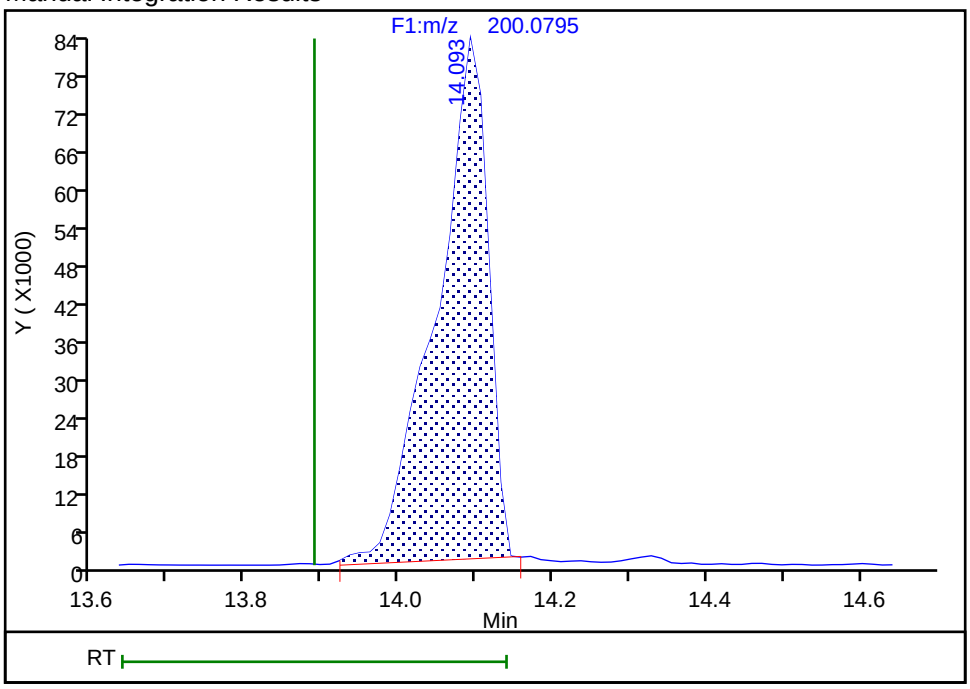
Processing Integration Results

RT: 14.09
Area: 405661
Amount: 14.565419
Amount Units: pg/ul




Manual Integration Results

RT: 14.09
Area: 387072
Amount: 12.150884
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:54:02

Audit Action: Manually Integrated Audit Reason: Split Peak

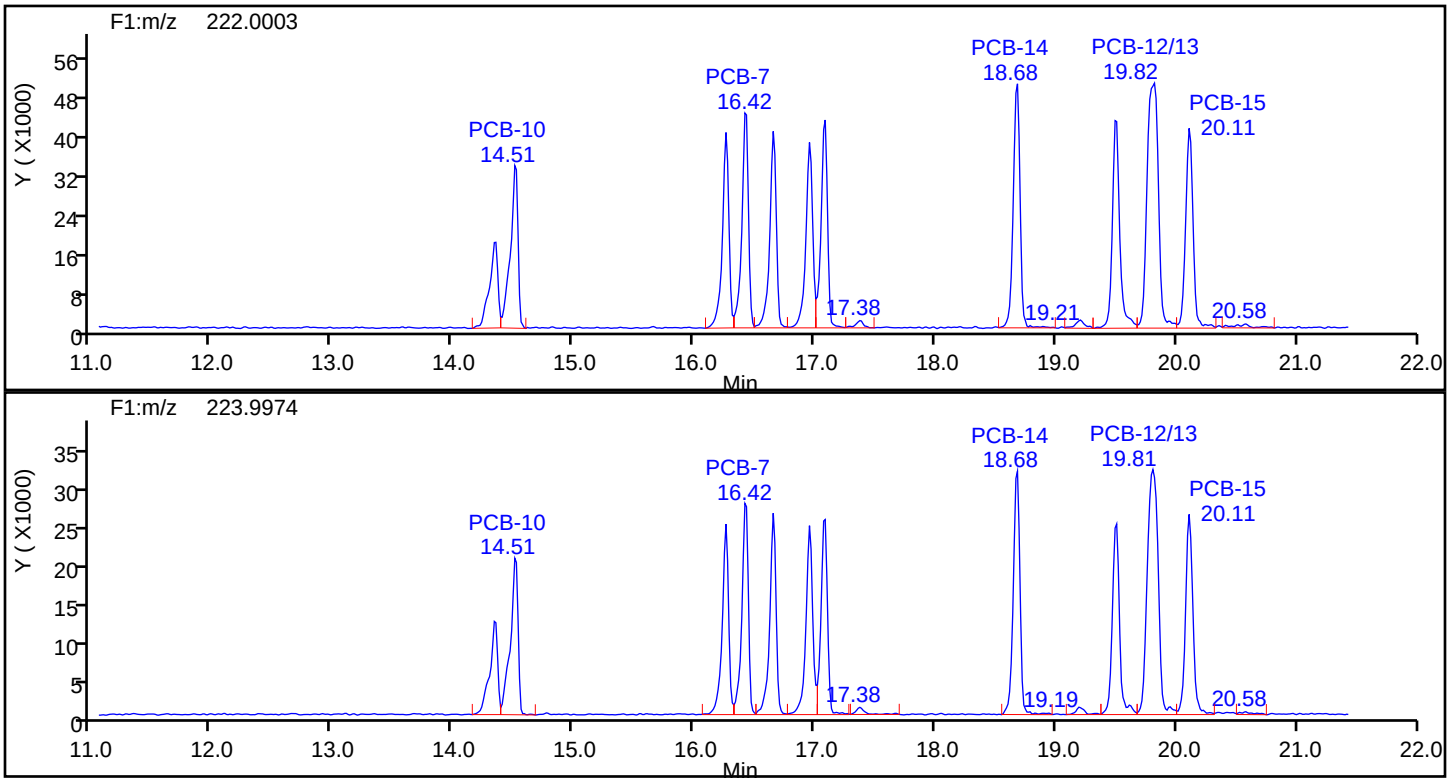
Report Date: 03-Oct-2019 16:02:33 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

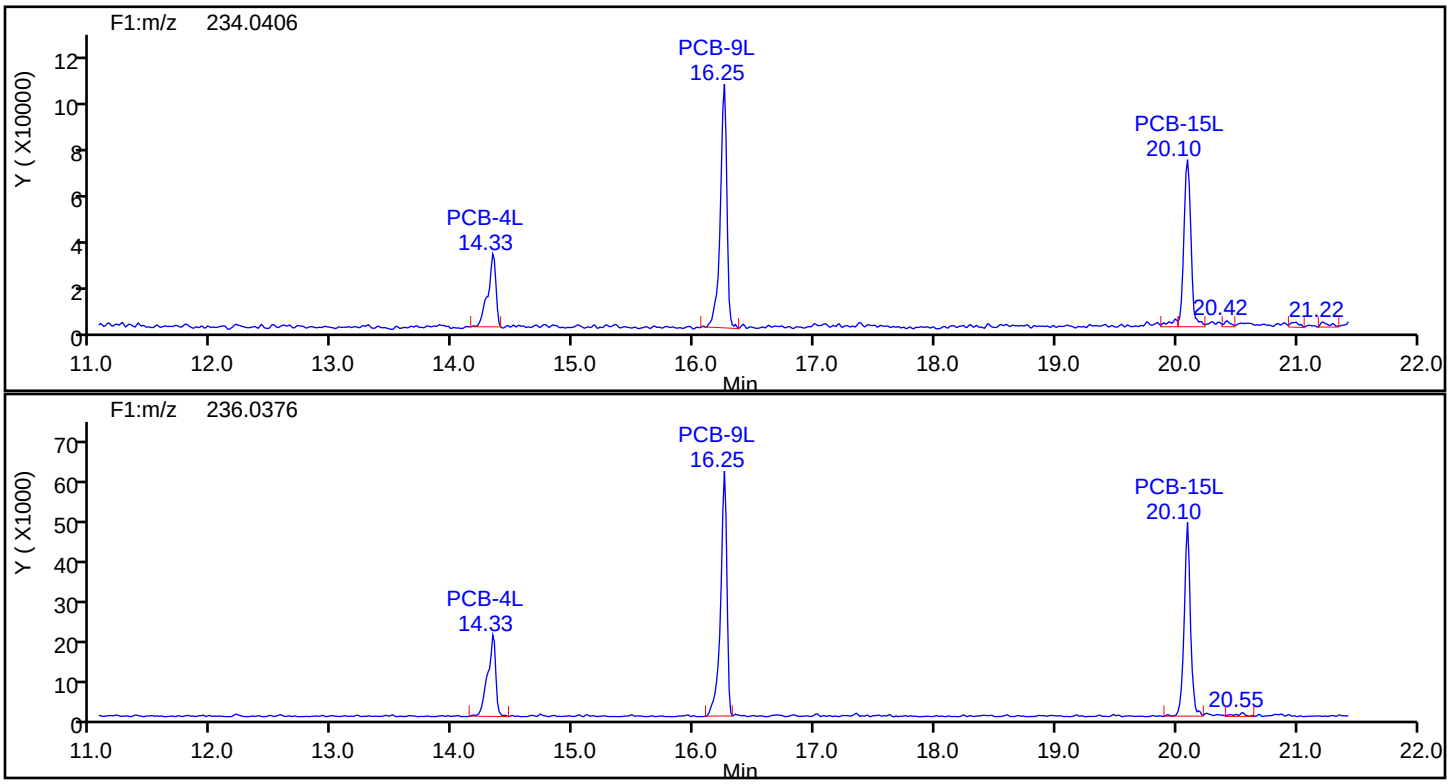
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d

| | | | |
|---|---|---|---|
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1



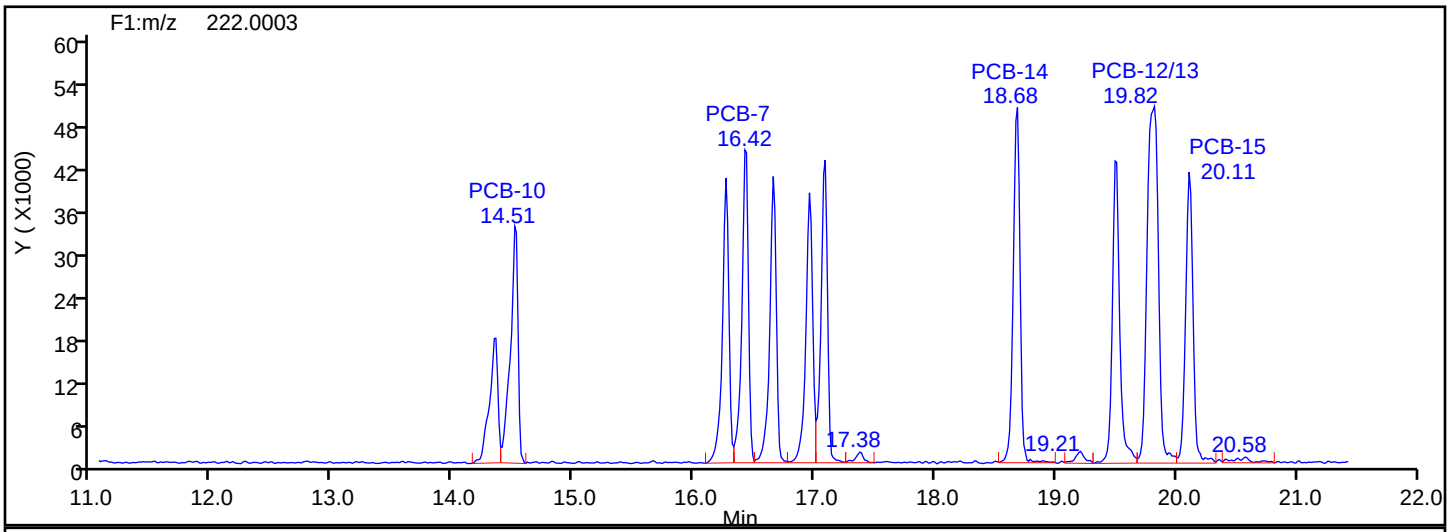

DiPCB F1 Standards

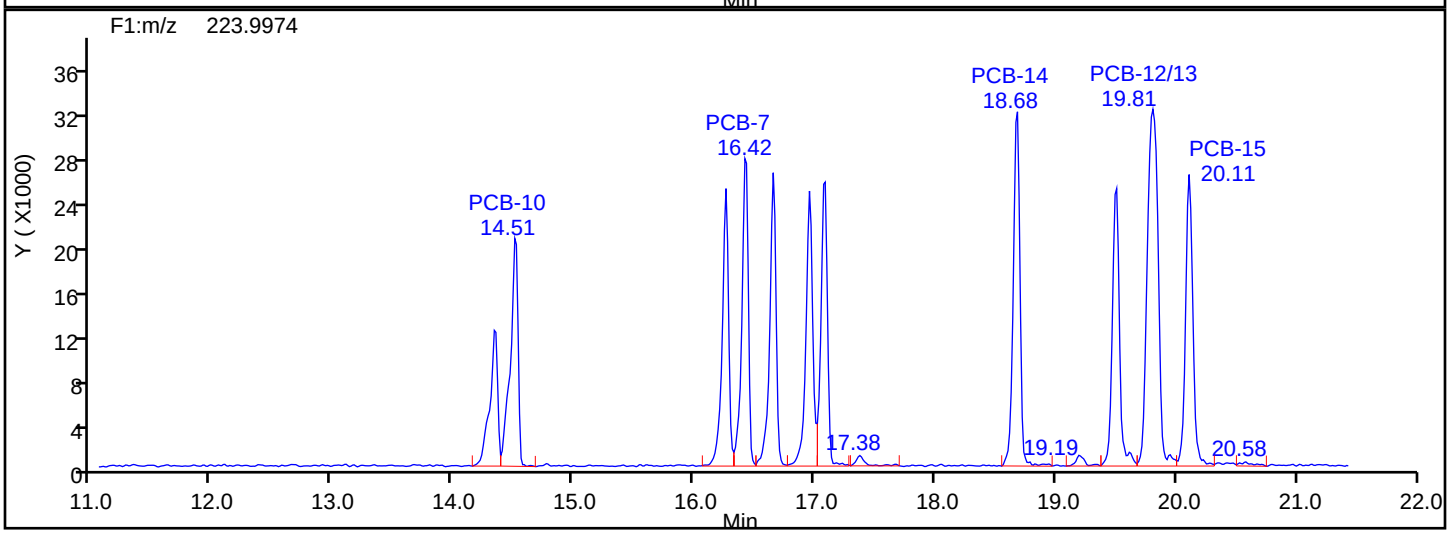


Eurofins TestAmerica, Knoxville

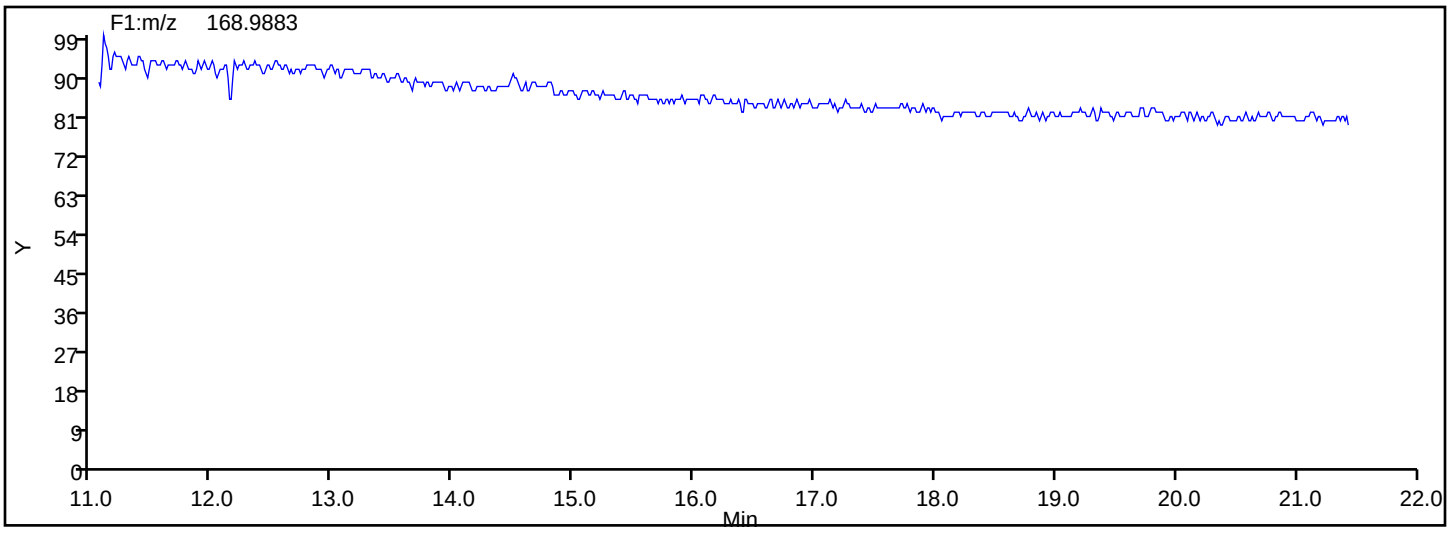
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

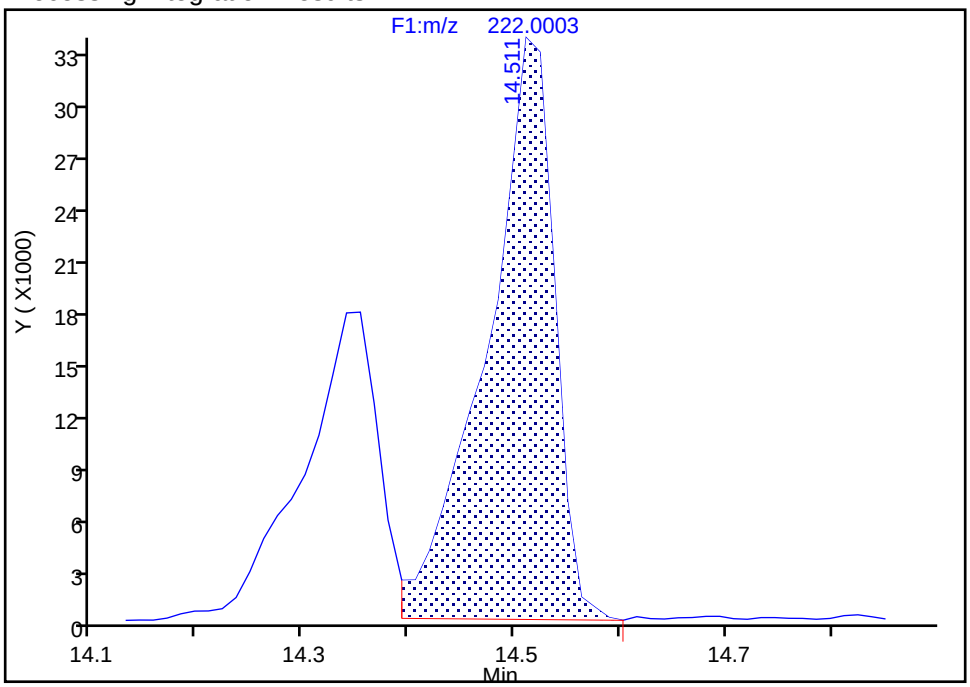
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-10, CAS: 33146-45-1

Signal: 1

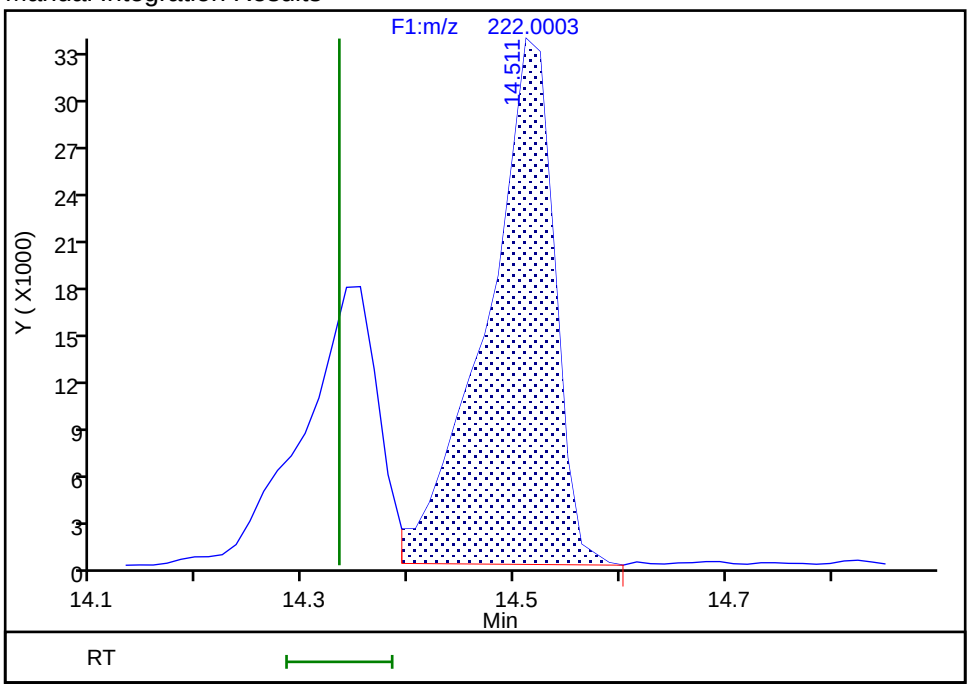
Processing Integration Results

RT: 14.51
Area: 147819
Amount: 9.154746
Amount Units: pg/ul




Manual Integration Results

RT: 14.51
Area: 147819
Amount: 9.154746
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:54:40

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

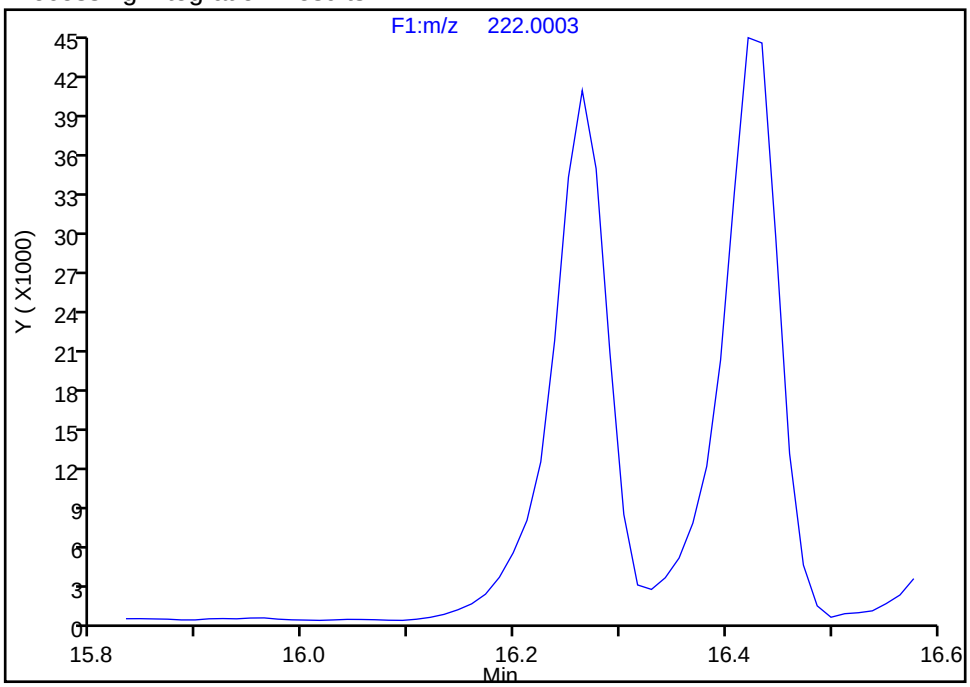
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-9, CAS: 34883-39-1

Signal: 1

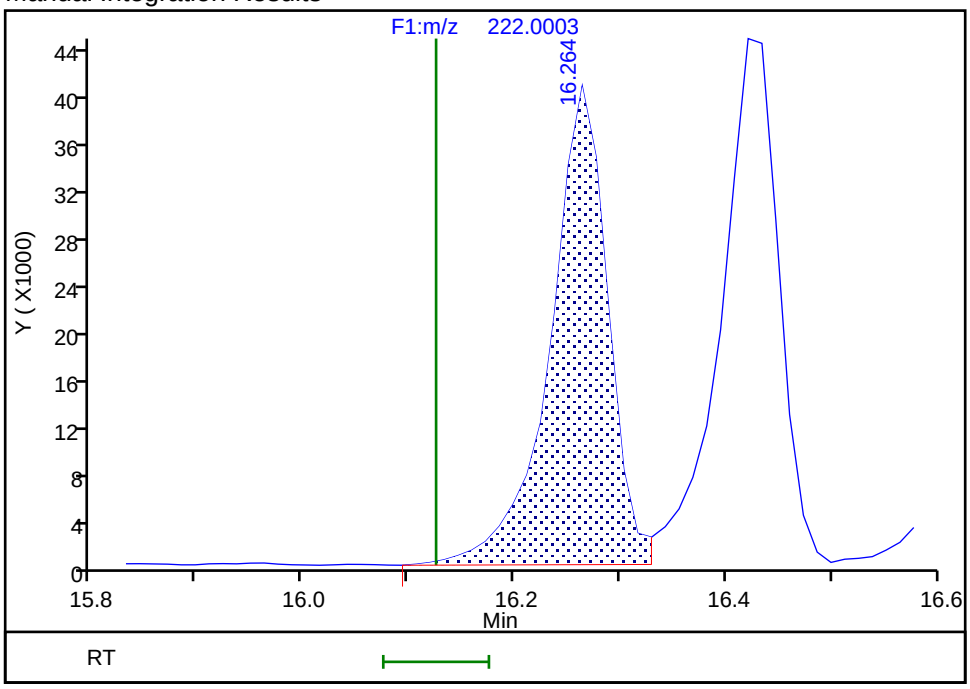
Not Detected
Expected RT: 16.13

Processing Integration Results




Manual Integration Results

RT: 16.26
Area: 151879
Amount: 9.753694
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:54:48
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

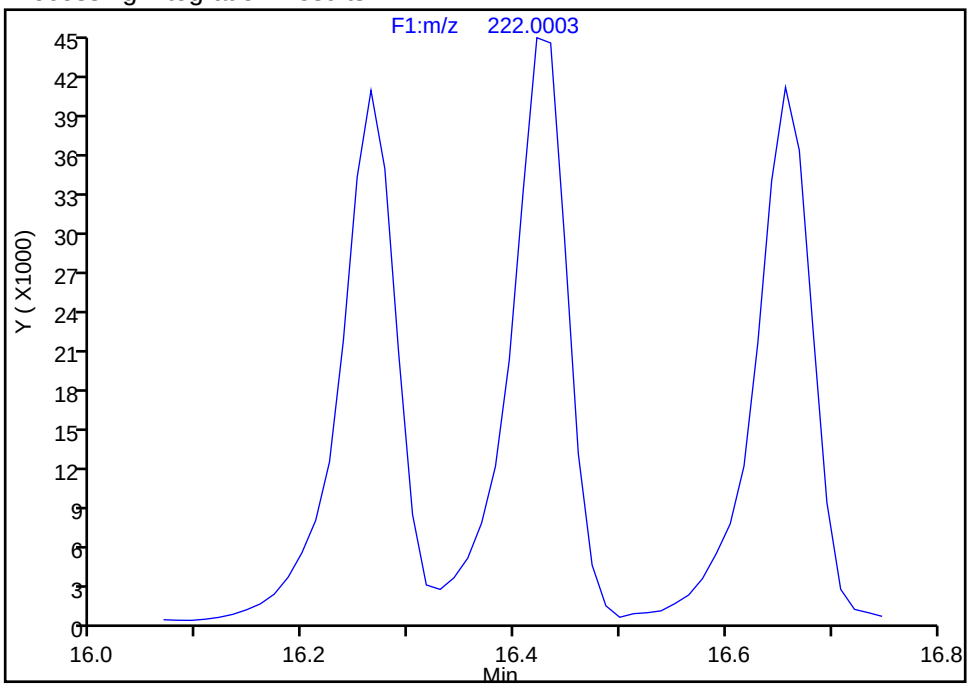
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-7, CAS: 33284-50-3

Signal: 1

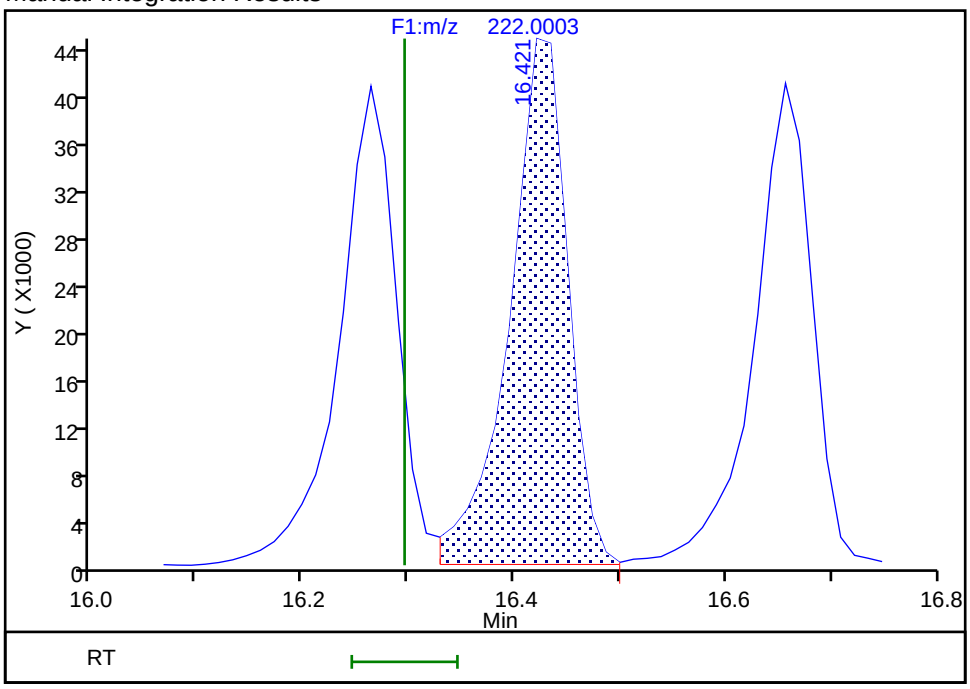
Not Detected
Expected RT: 16.30

Processing Integration Results




Manual Integration Results

RT: 16.42
Area: 168032
Amount: 9.492166
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:54:52
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

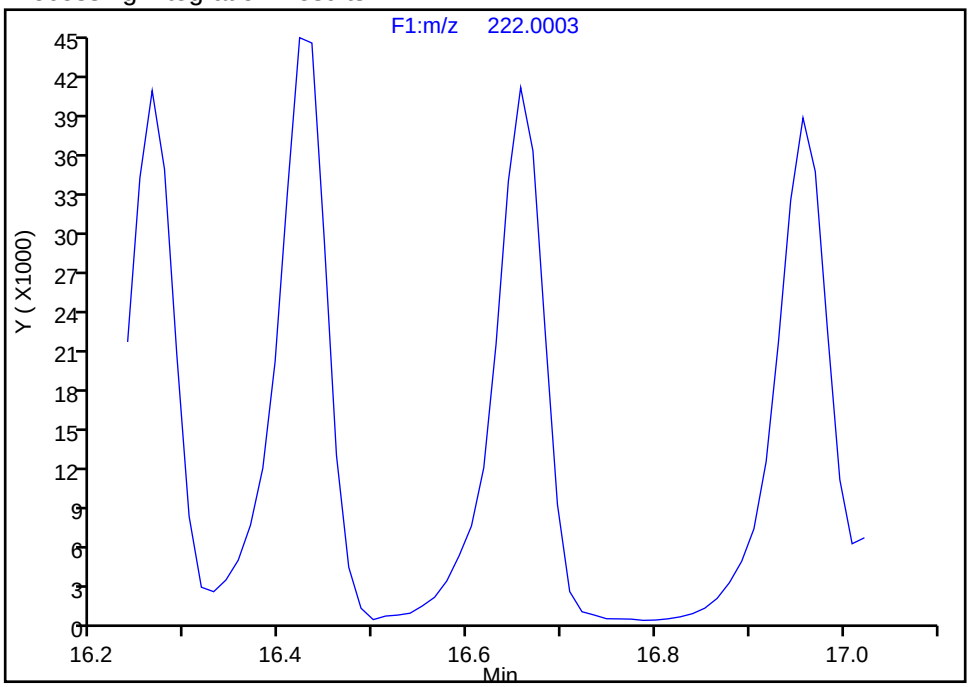
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-6, CAS: 25569-80-6

Signal: 1

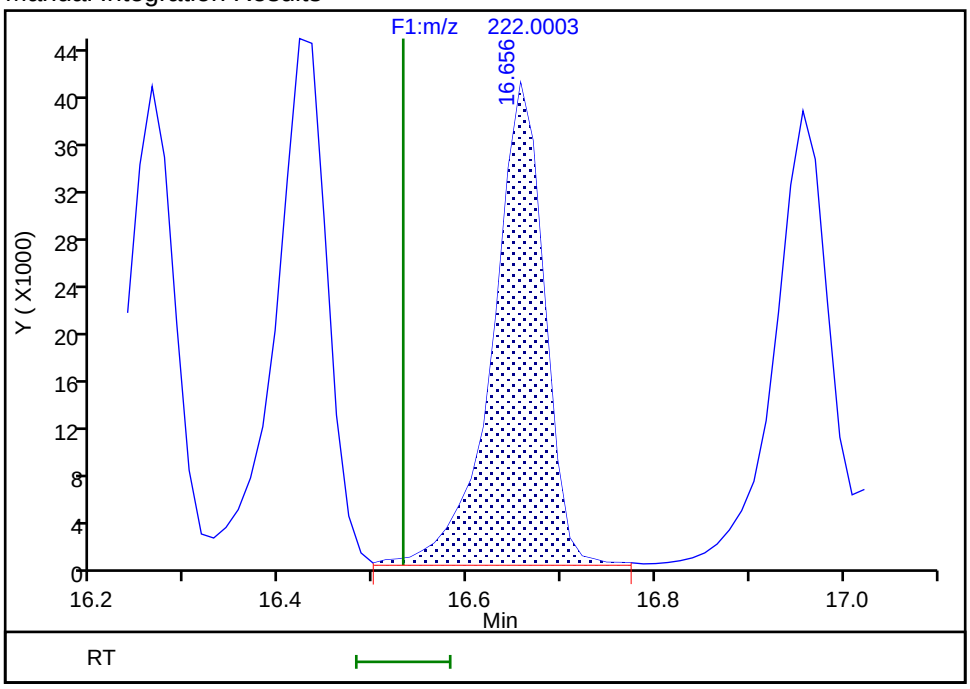
Not Detected
Expected RT: 16.53

Processing Integration Results




Manual Integration Results

RT: 16.66
Area: 154275
Amount: 9.170060
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:54:56
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

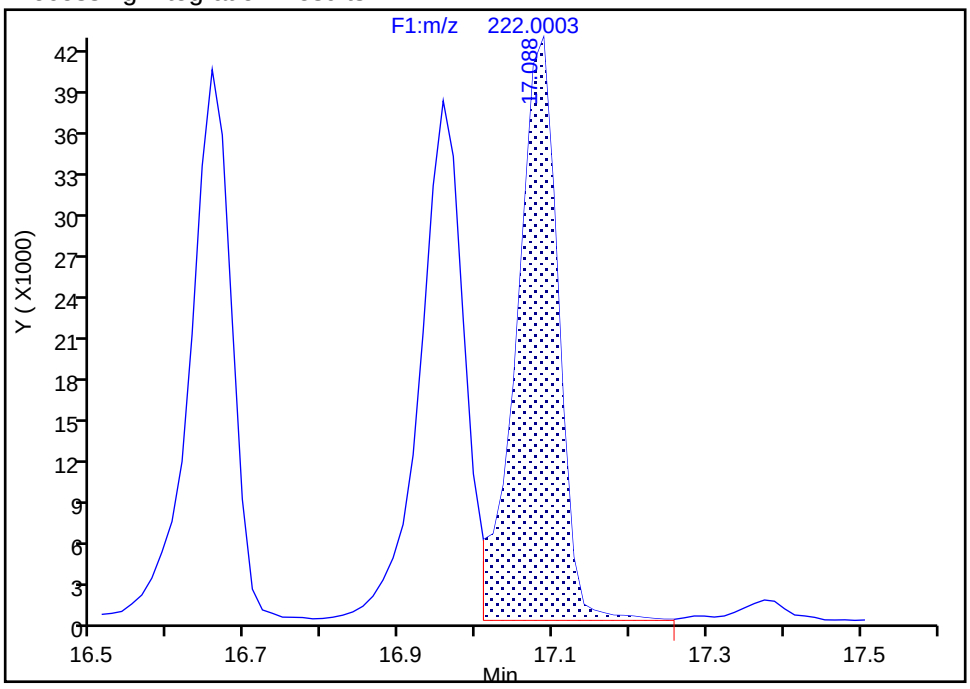
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-5, CAS: 16605-91-7

Signal: 1

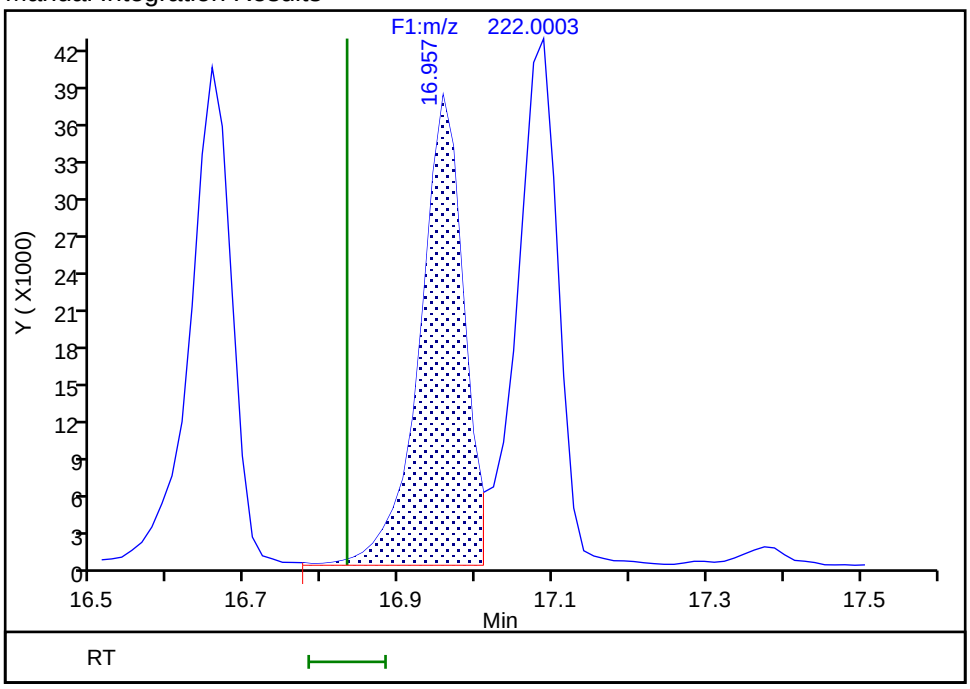
Processing Integration Results

RT: 17.09
Area: 159993
Amount: 9.257063
Amount Units: pg/ul




Manual Integration Results

RT: 16.96
Area: 150222
Amount: 9.002266
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:01

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

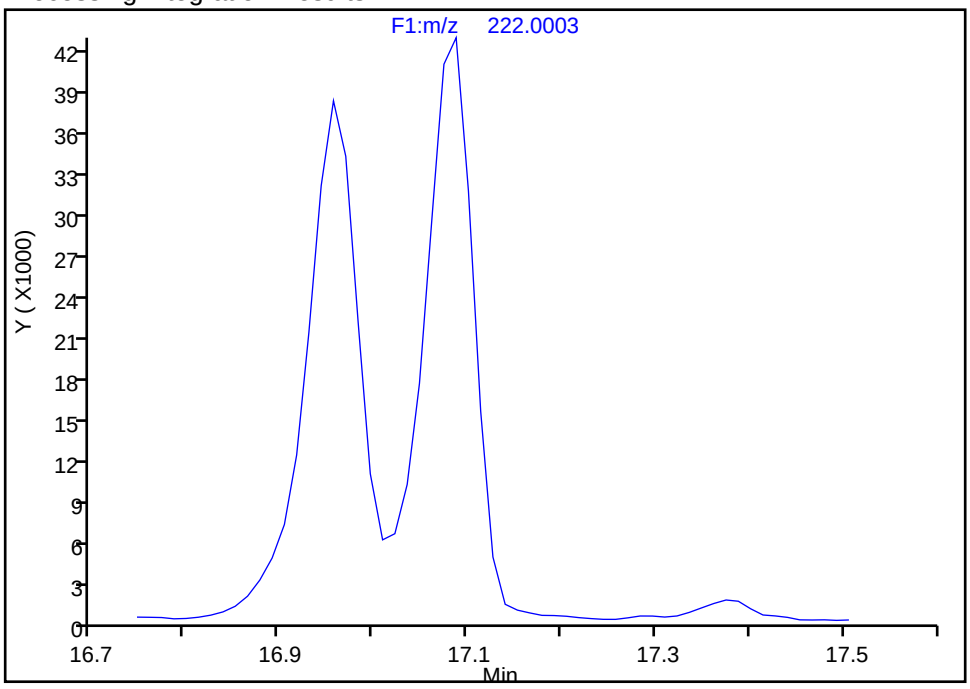
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-8, CAS: 34883-43-7

Signal: 1

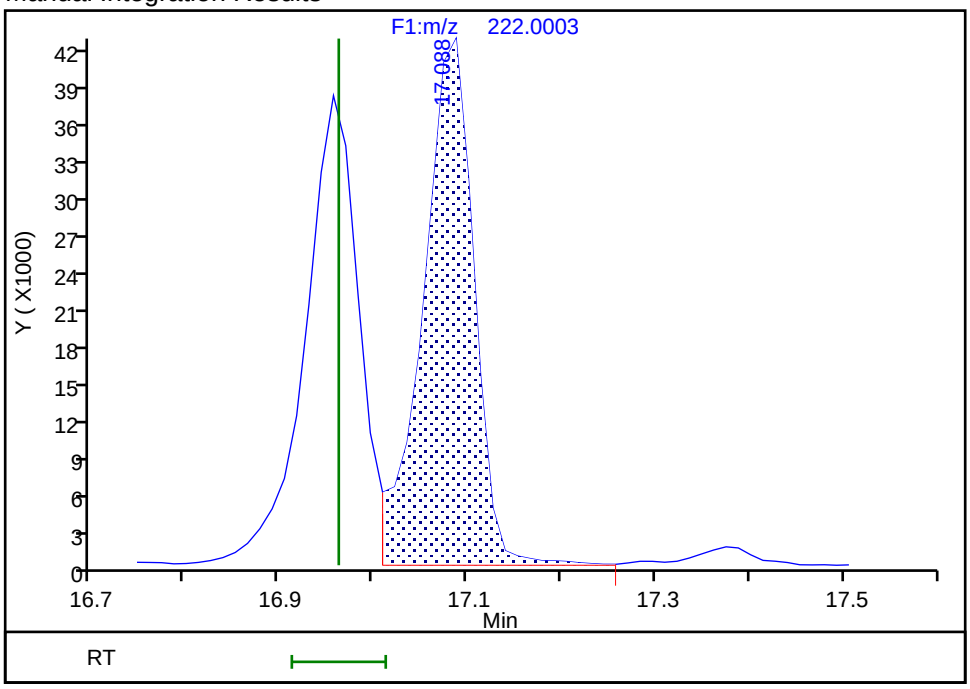
Not Detected
Expected RT: 16.96

Processing Integration Results




Manual Integration Results

RT: 17.09
Area: 159993
Amount: 9.095571
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:05
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Report Date: 03-Oct-2019 16:02:33 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d

Injection Date: 03-Oct-2019 12:37:00 Injection Vol: 1.0 ul

Instrument ID: D3D Operator ID: Xcalibur_System

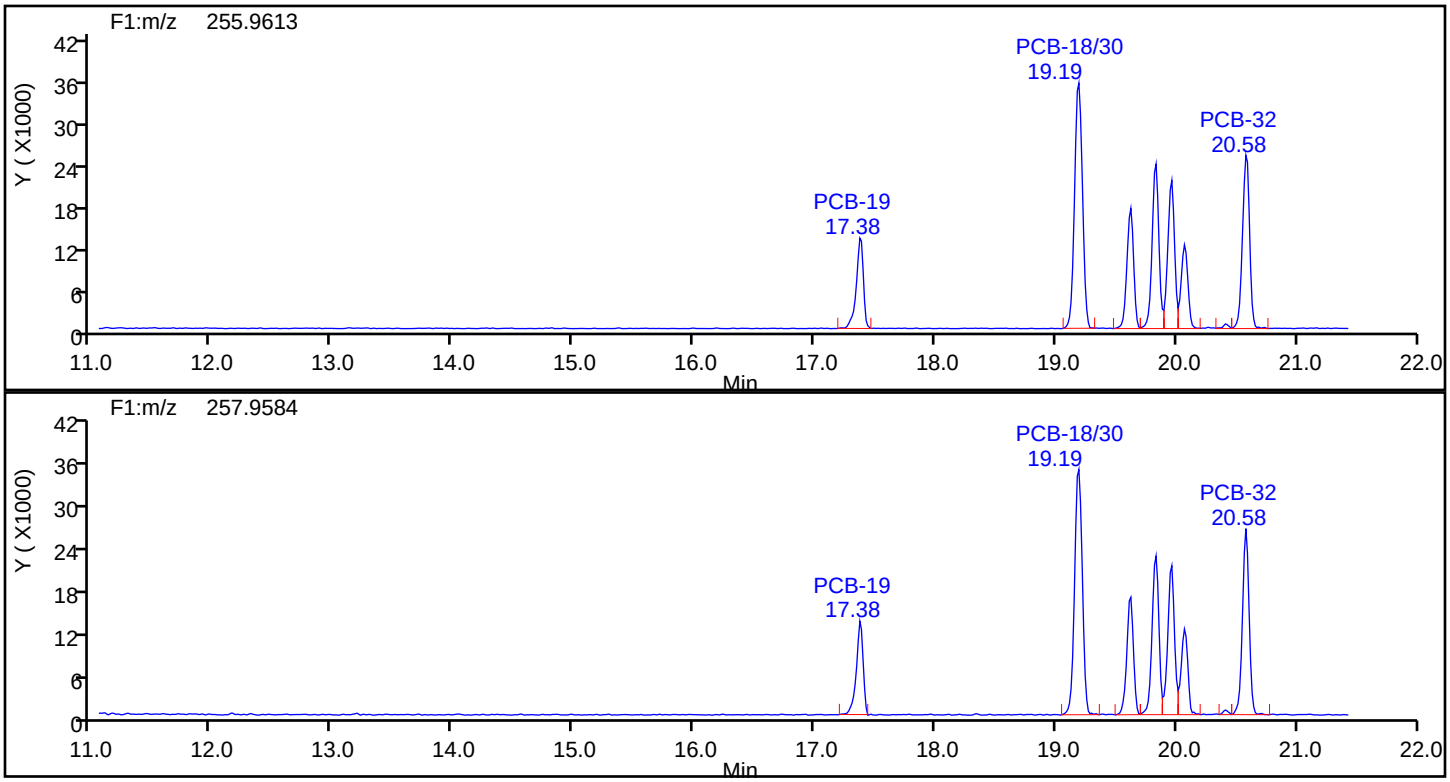
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

Client ID:

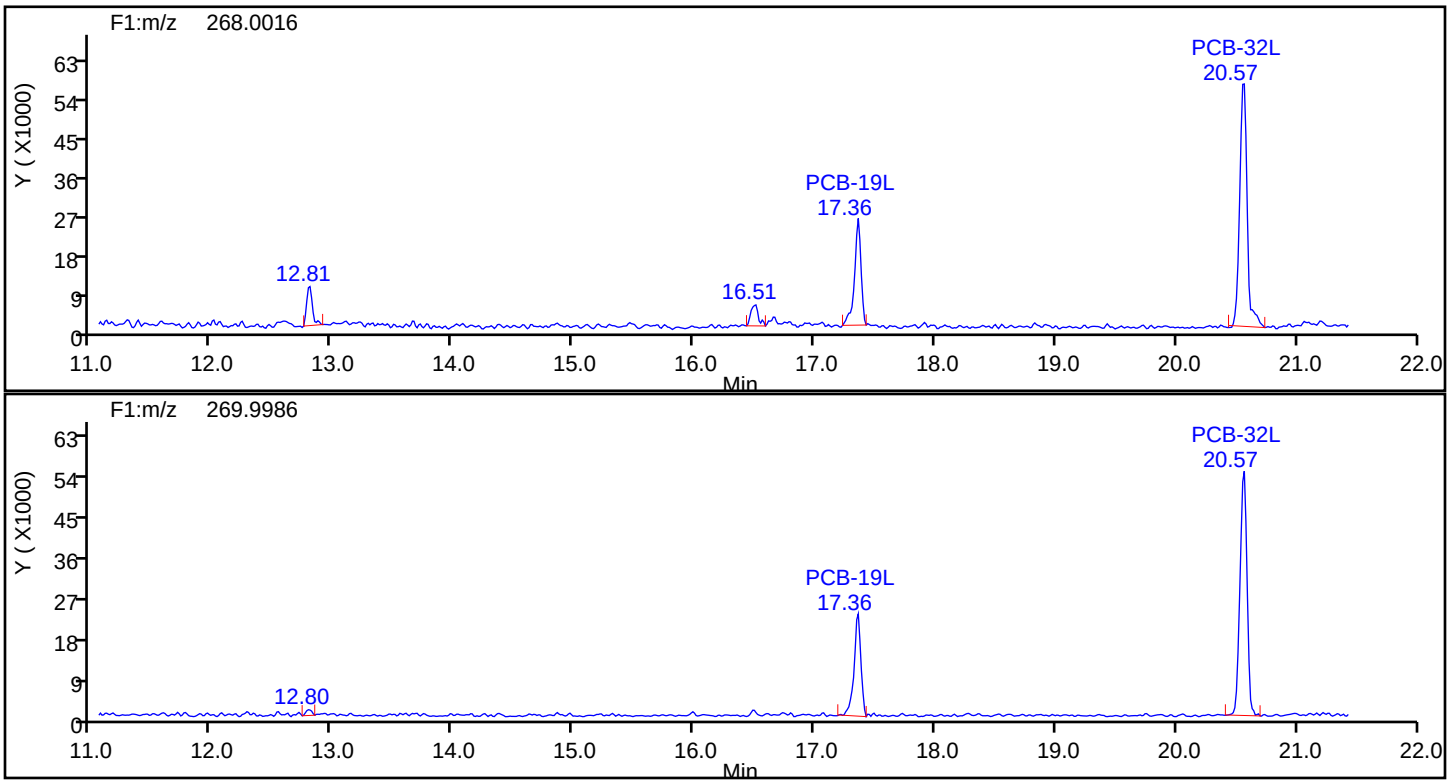
Worklist#: 34146 Sample Line#: 2

Column Type: SPB-Octyl Column Dia: 0.25 mm

TriPCB F1



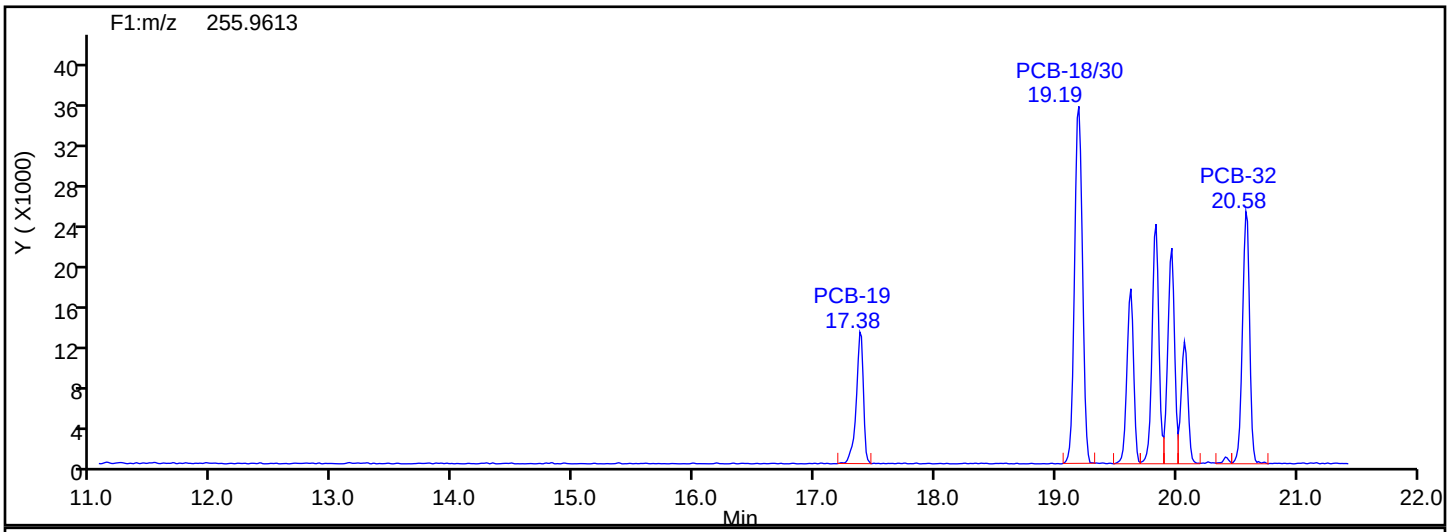

TriPCB F1 Standards

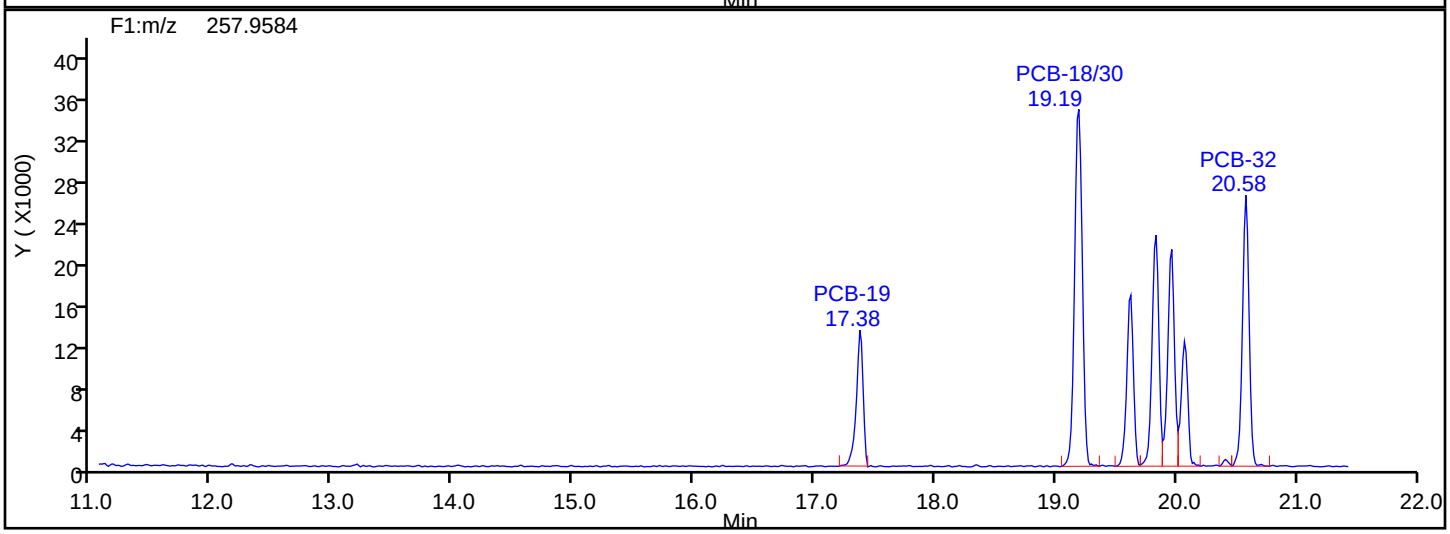


Eurofins TestAmerica, Knoxville

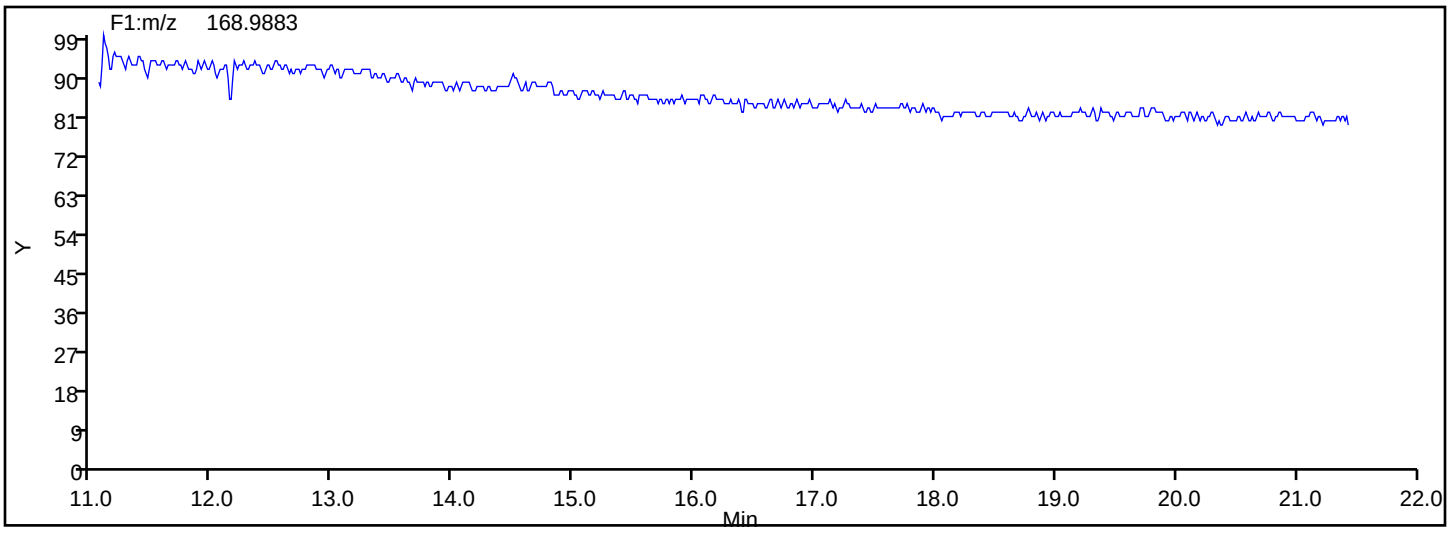
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

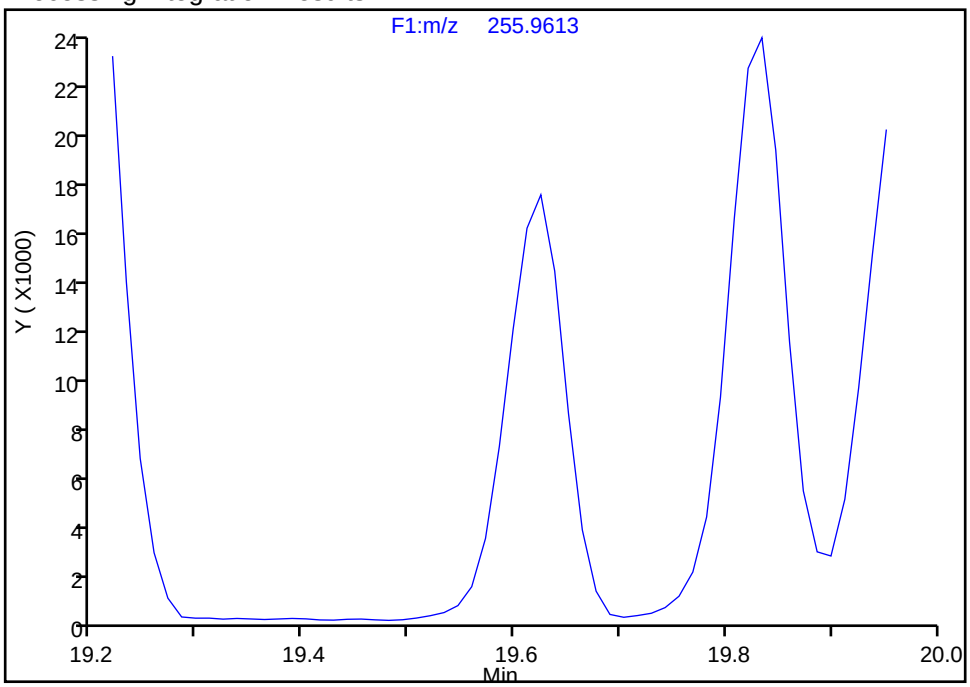
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-17, CAS: 37680-66-3

Signal: 1

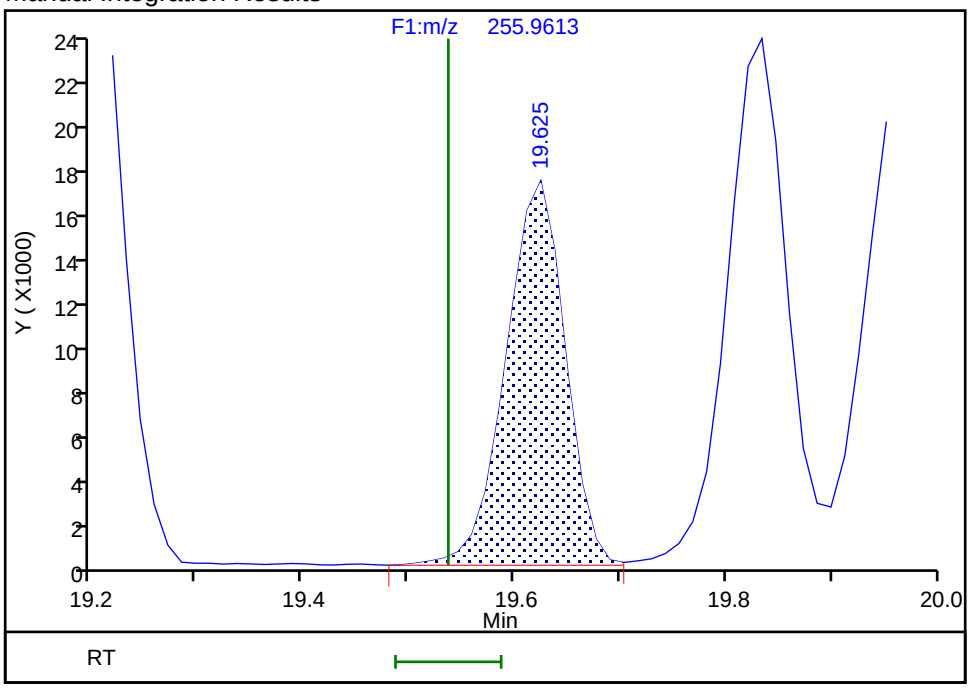
Not Detected
Expected RT: 19.54

Processing Integration Results




Manual Integration Results

RT: 19.62
Area: 68114
Amount: 9.209135
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:23
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

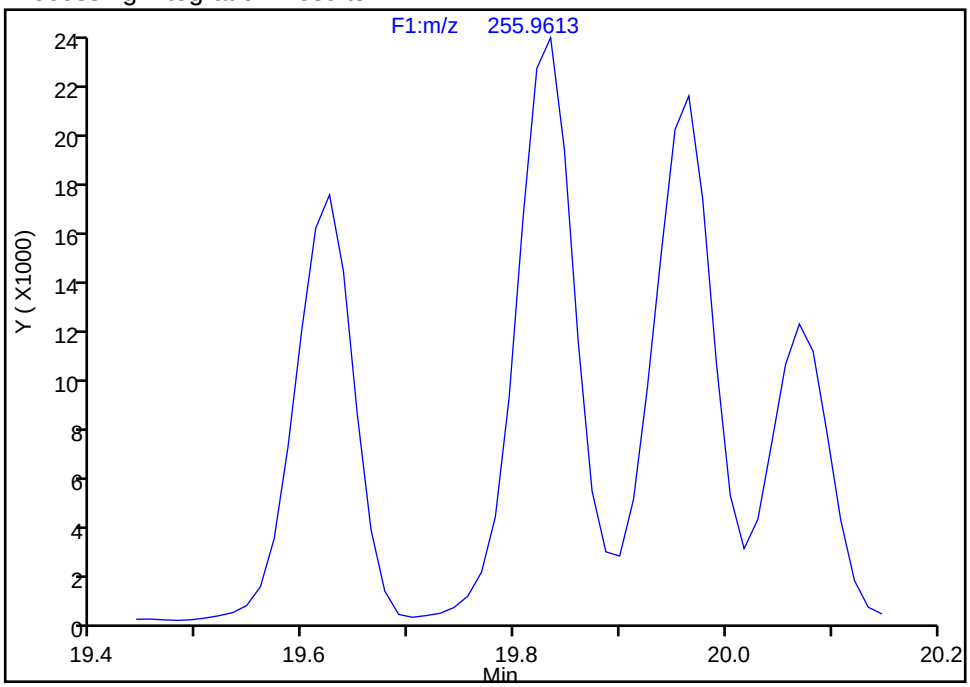
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-27, CAS: 38444-76-7

Signal: 1

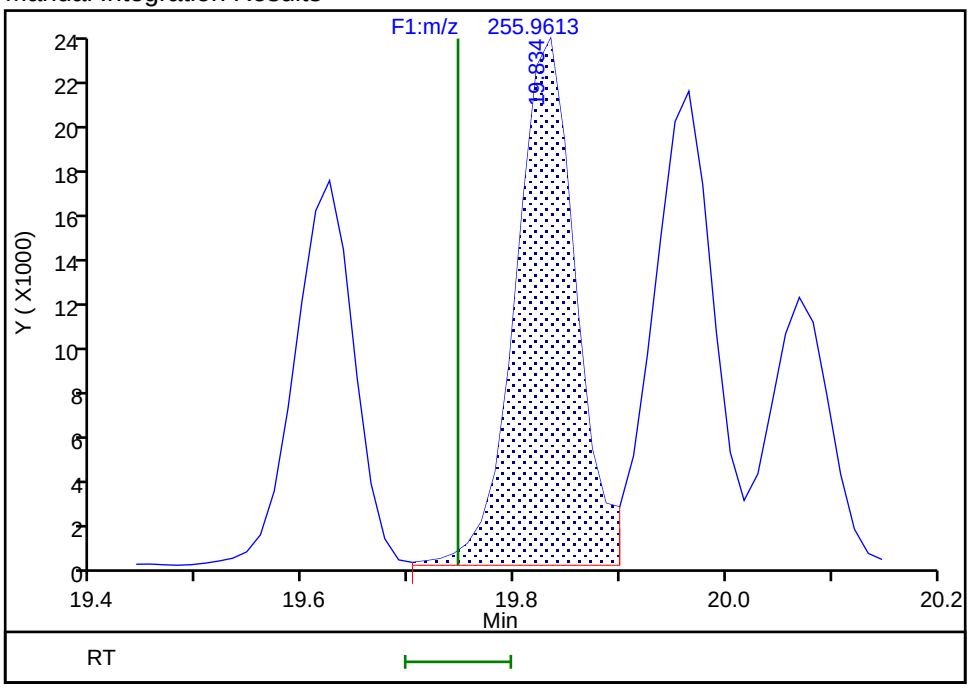
Not Detected
Expected RT: 19.75

Processing Integration Results




Manual Integration Results

RT: 19.83
Area: 94734
Amount: 9.212657
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:29
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

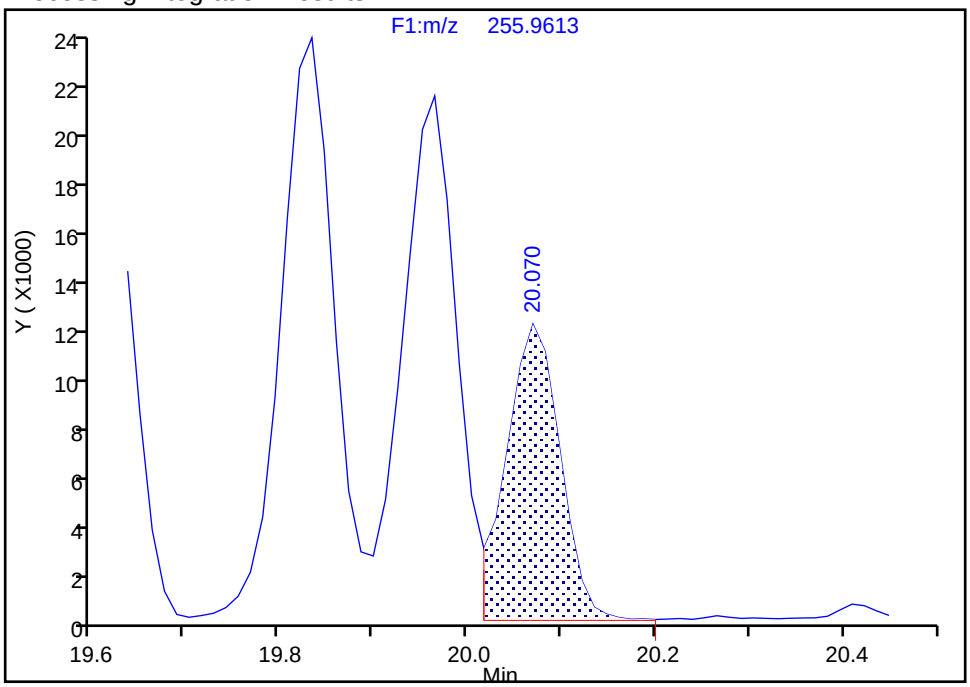
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-24, CAS: 55702-45-9

Signal: 1

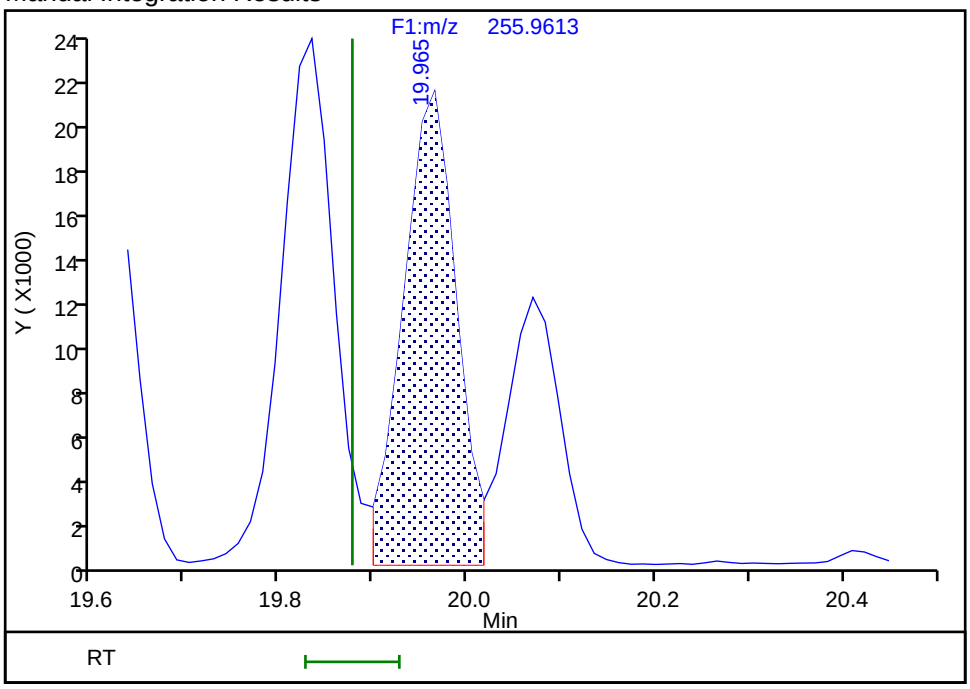
Processing Integration Results

RT: 20.07
Area: 47913
Amount: 4.905398
Amount Units: pg/ul




Manual Integration Results

RT: 19.96
Area: 84013
Amount: 8.625089
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:34

Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

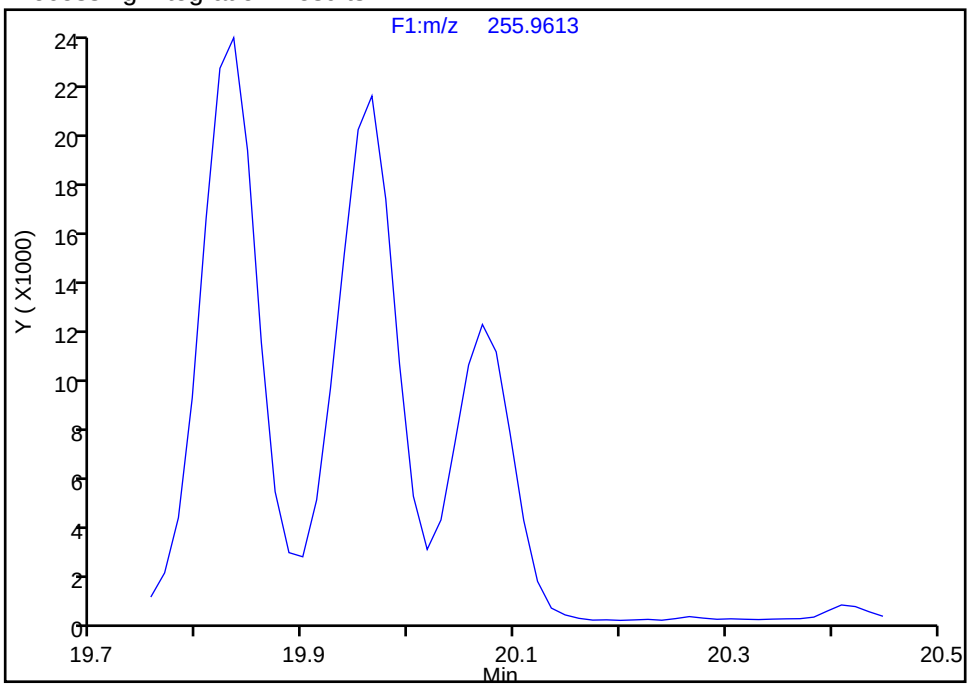
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-16, CAS: 38444-78-9

Signal: 1

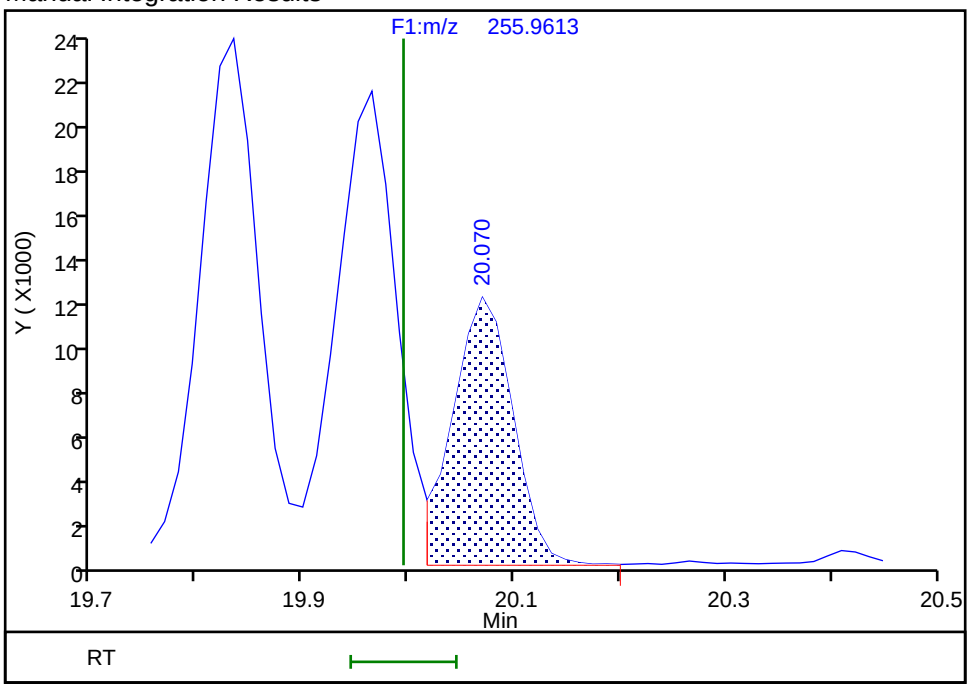
Not Detected
Expected RT: 19.99

Processing Integration Results




Manual Integration Results

RT: 20.07
Area: 47913
Amount: 8.409509
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:39
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

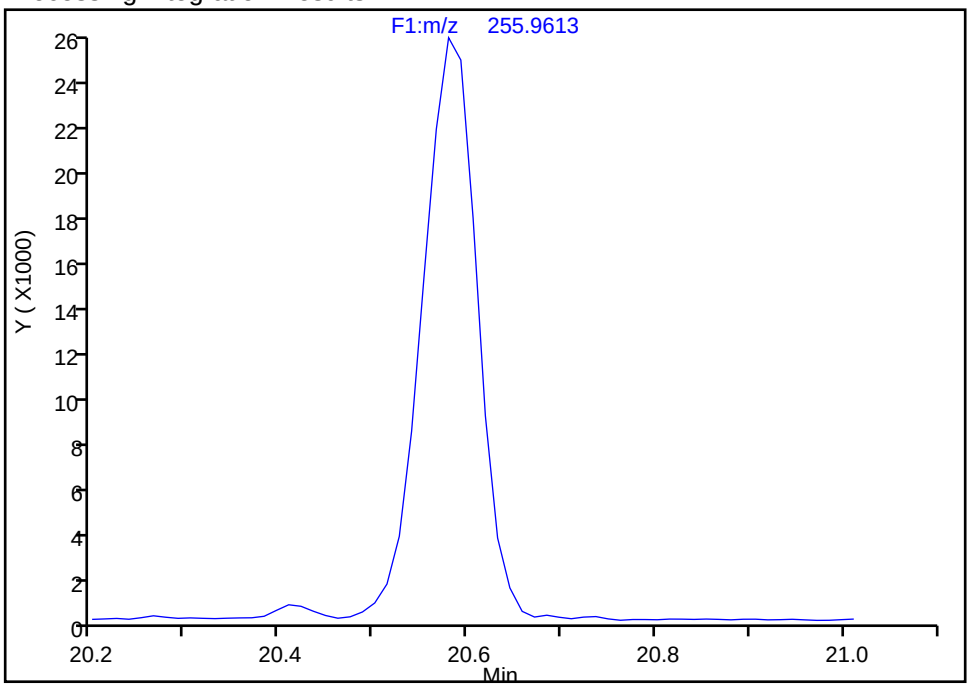
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F1(11.07 :21.70 ) | | |

## PCB-32, CAS: 38444-77-8

Signal: 1

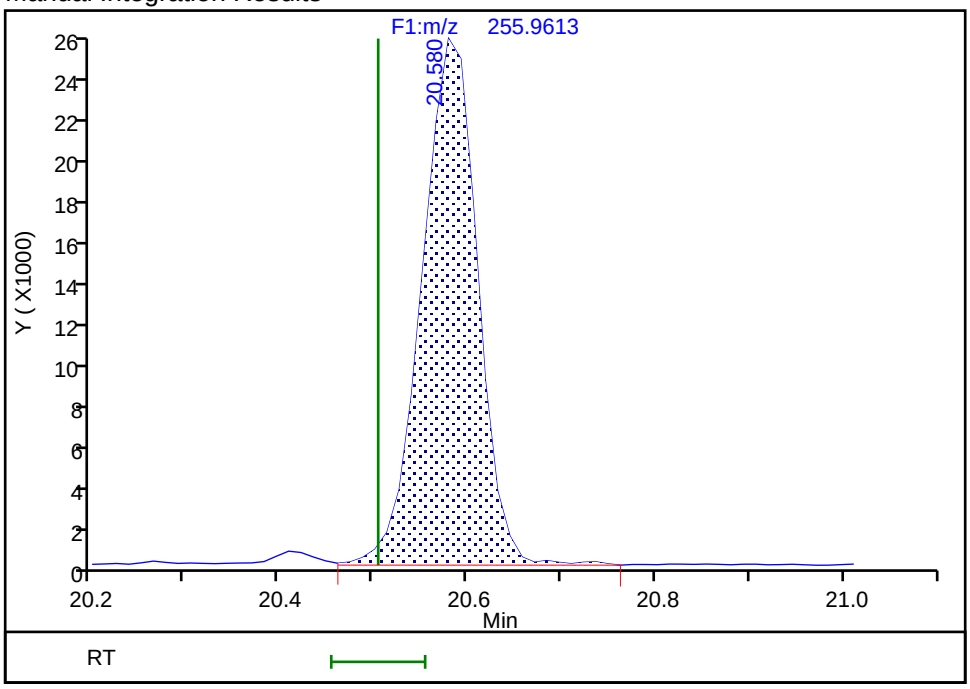
Not Detected
Expected RT: 20.50

Processing Integration Results




Manual Integration Results

RT: 20.58
Area: 104045
Amount: 9.538721
Amount Units: pg/ul

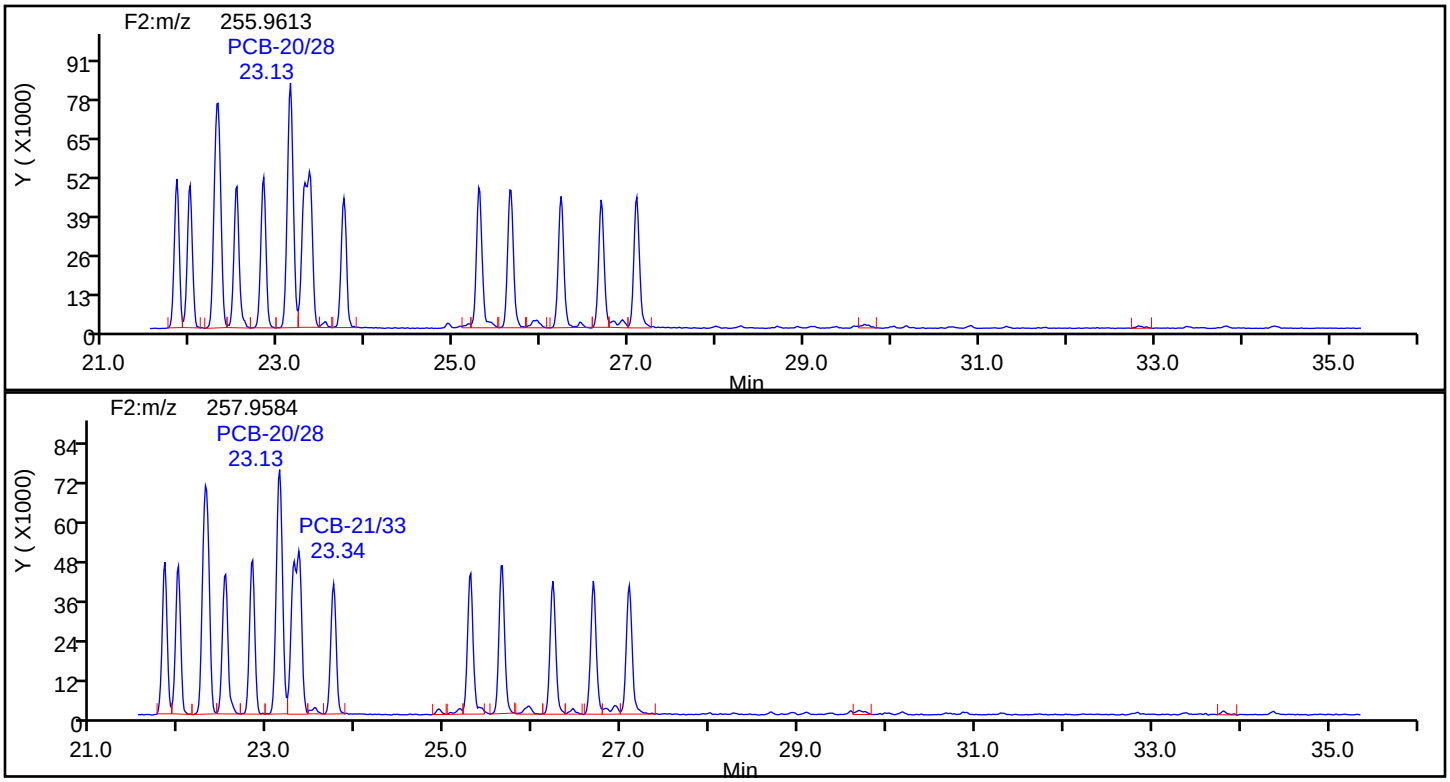



Reviewer: nordquistj, 03-Oct-2019 15:55:45
Audit Action: Assigned Compound ID Audit Reason: Split Peak

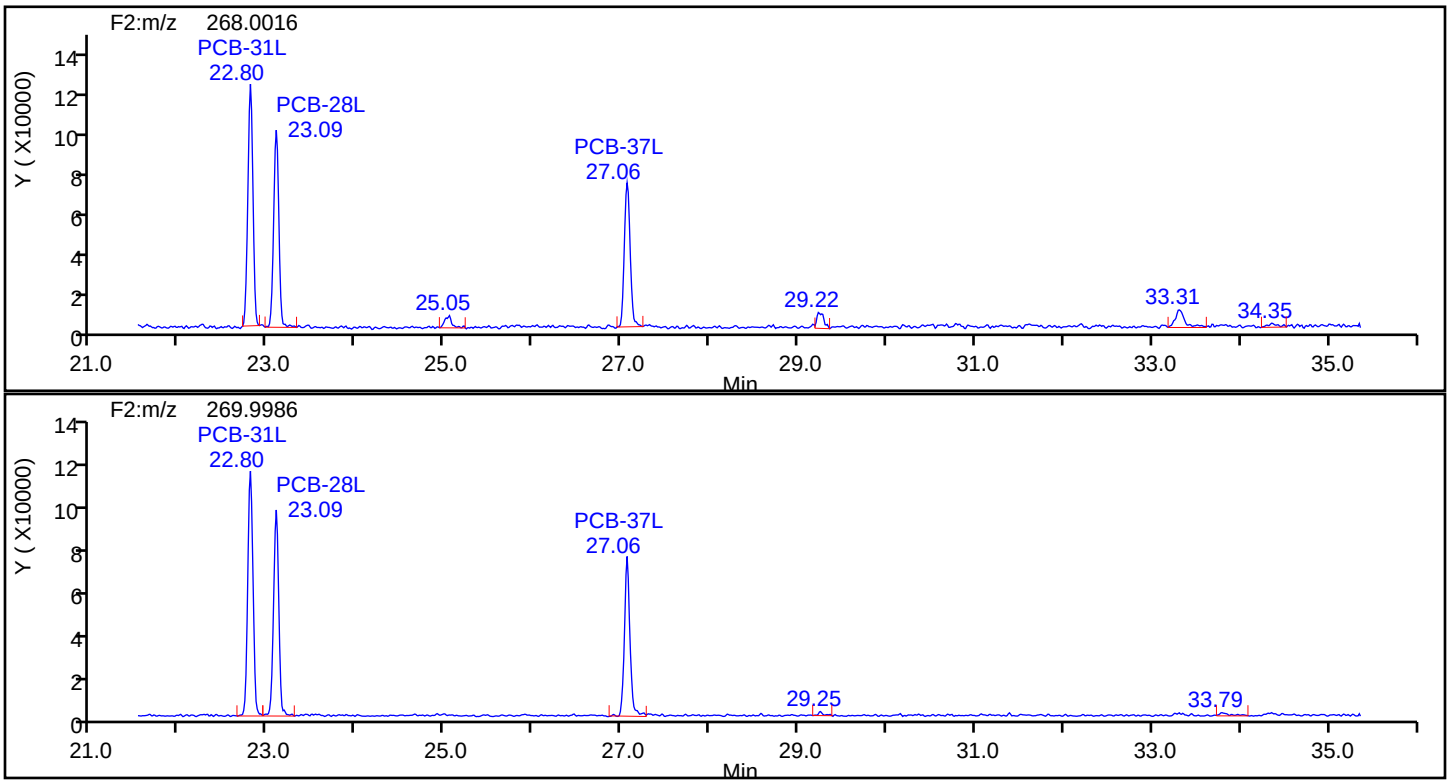
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2



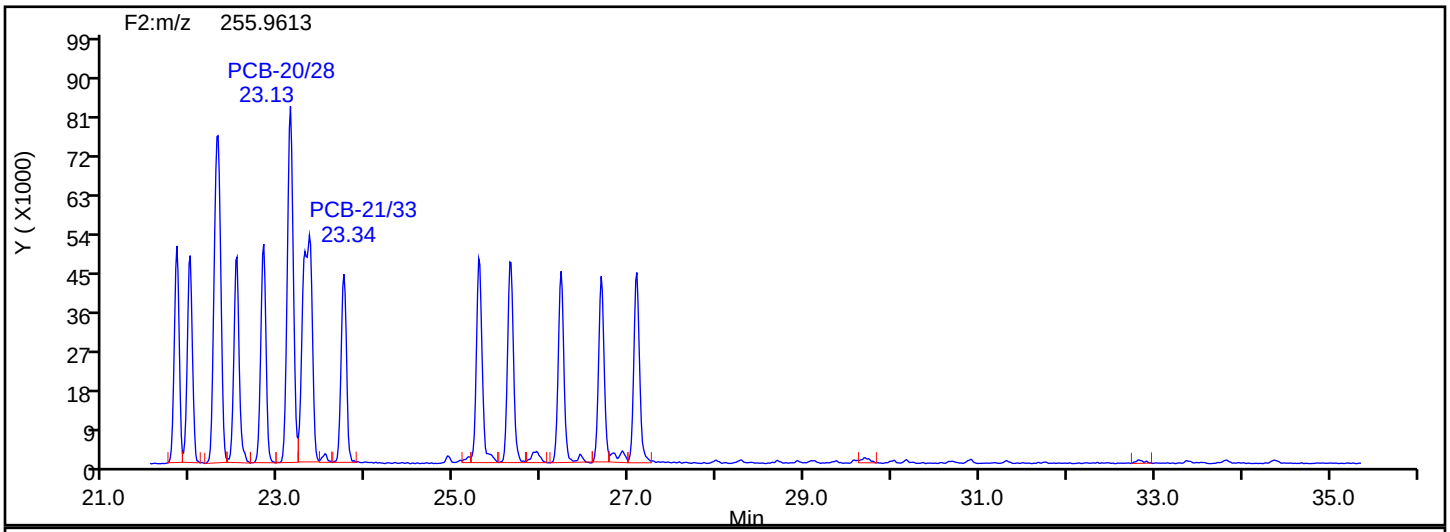

TriPCB F2 Standards

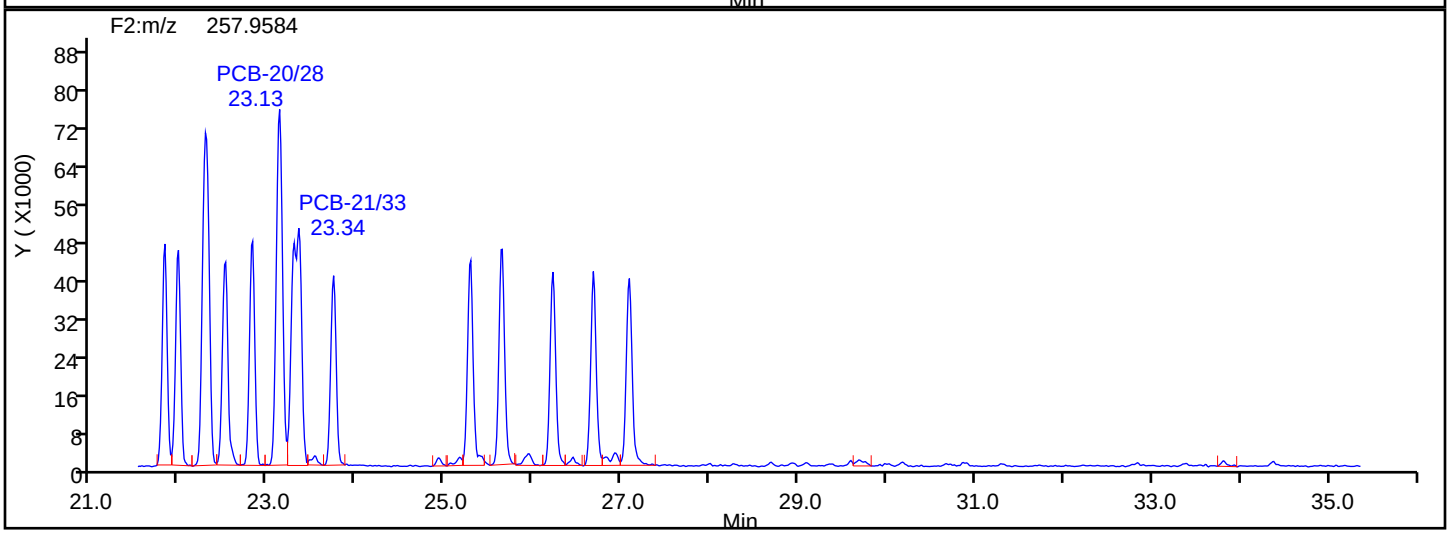


Eurofins TestAmerica, Knoxville

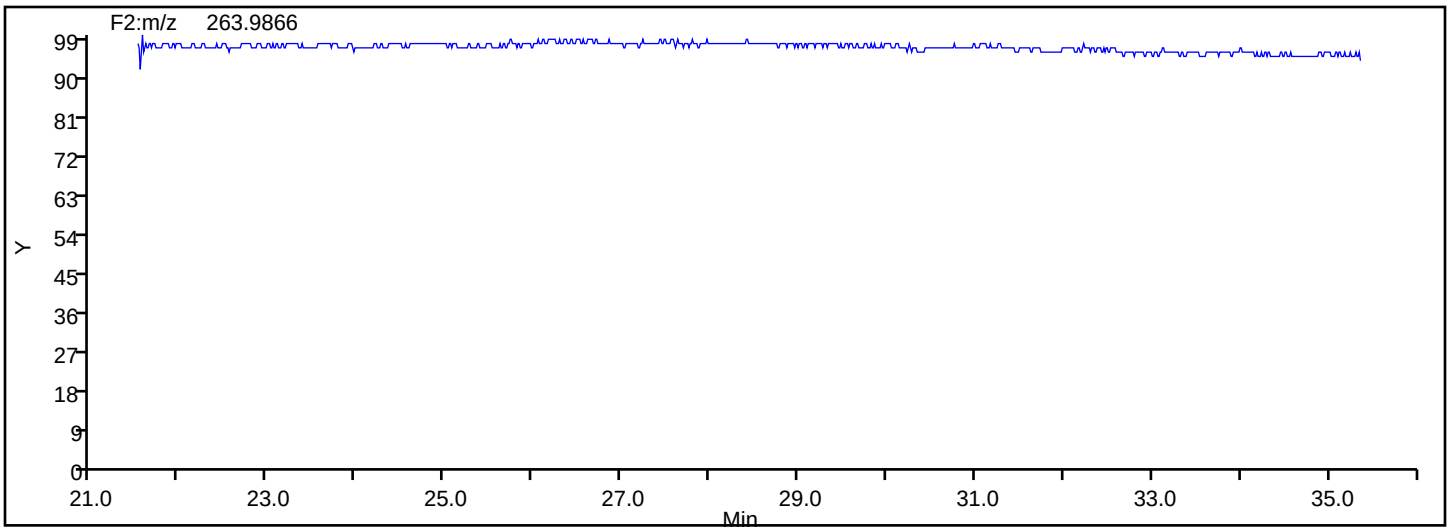
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

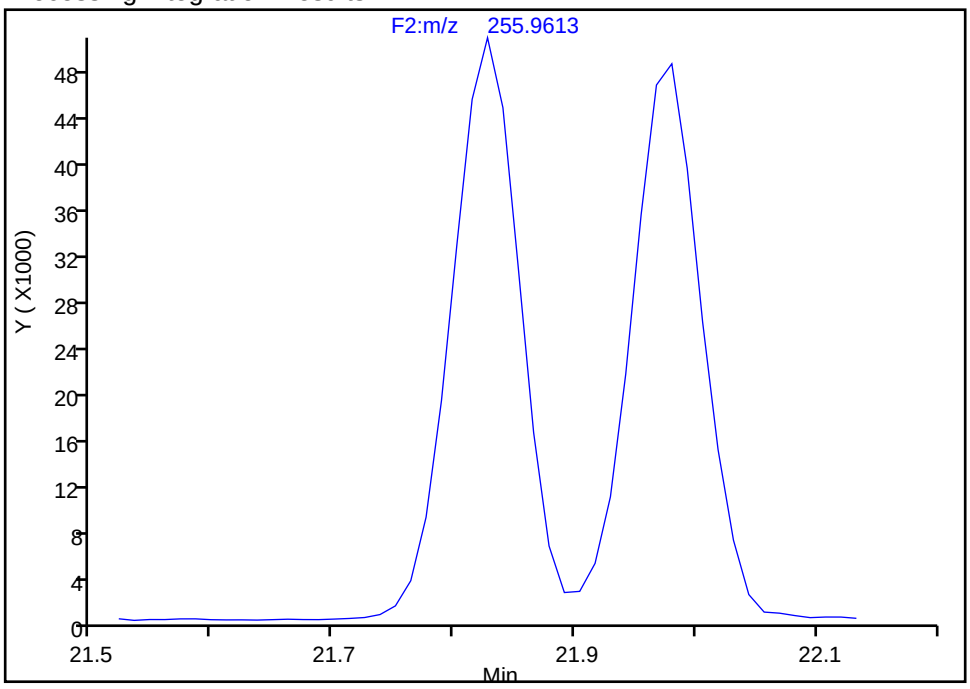
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-34, CAS: 37680-68-5

Signal: 1

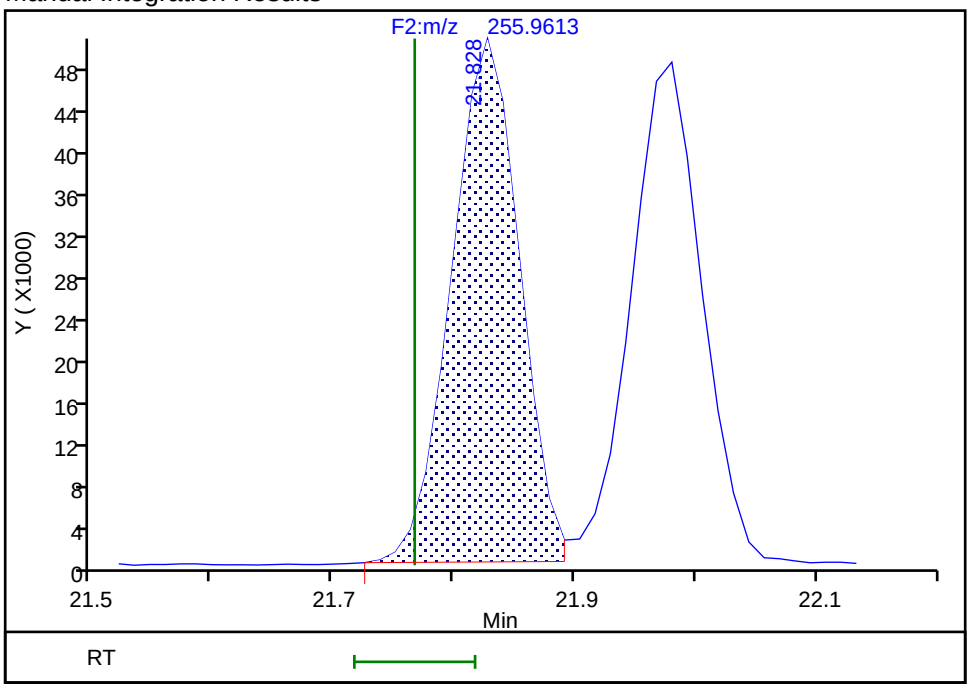
Not Detected
Expected RT: 21.77

Processing Integration Results




Manual Integration Results

RT: 21.83
Area: 196129
Amount: 9.676867
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:51
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

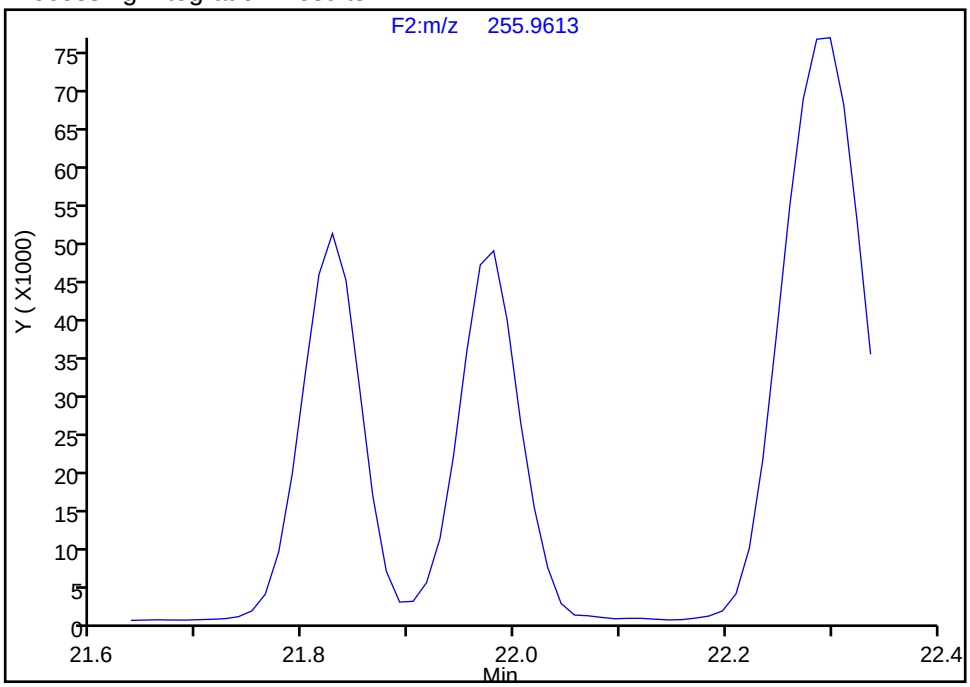
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-23, CAS: 55720-44-0

Signal: 1

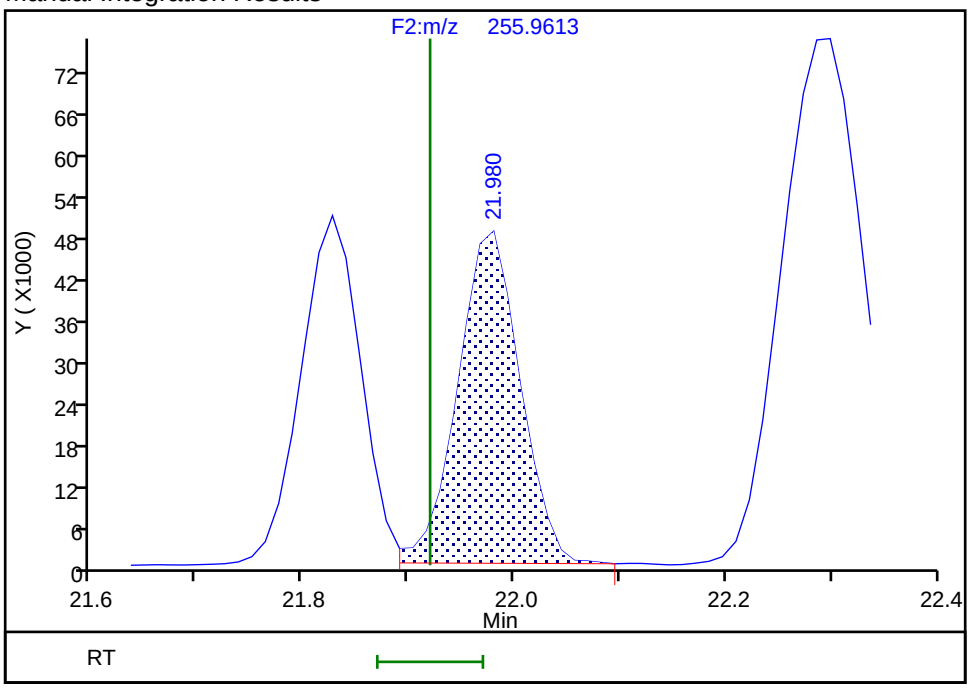
Not Detected
Expected RT: 21.92

Processing Integration Results




Manual Integration Results

RT: 21.98
Area: 196408
Amount: 9.290749
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:55:55
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

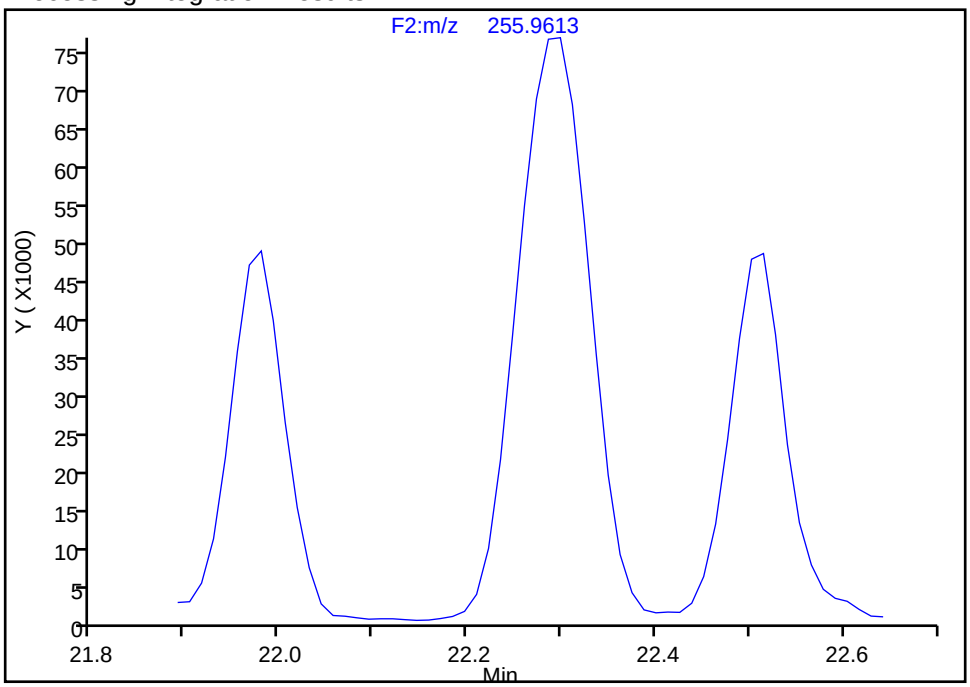
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-26/29, CAS: STL01801

Signal: 1

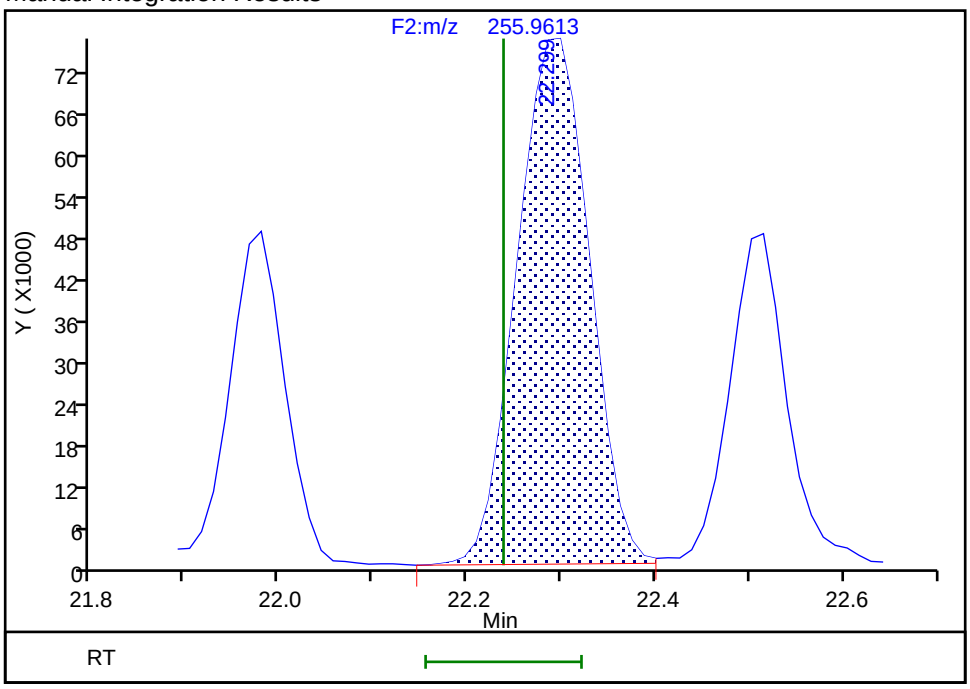
Not Detected
Expected RT: 22.24

Processing Integration Results




Manual Integration Results

RT: 22.30
Area: 406296
Amount: 18.417194
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:56:01
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

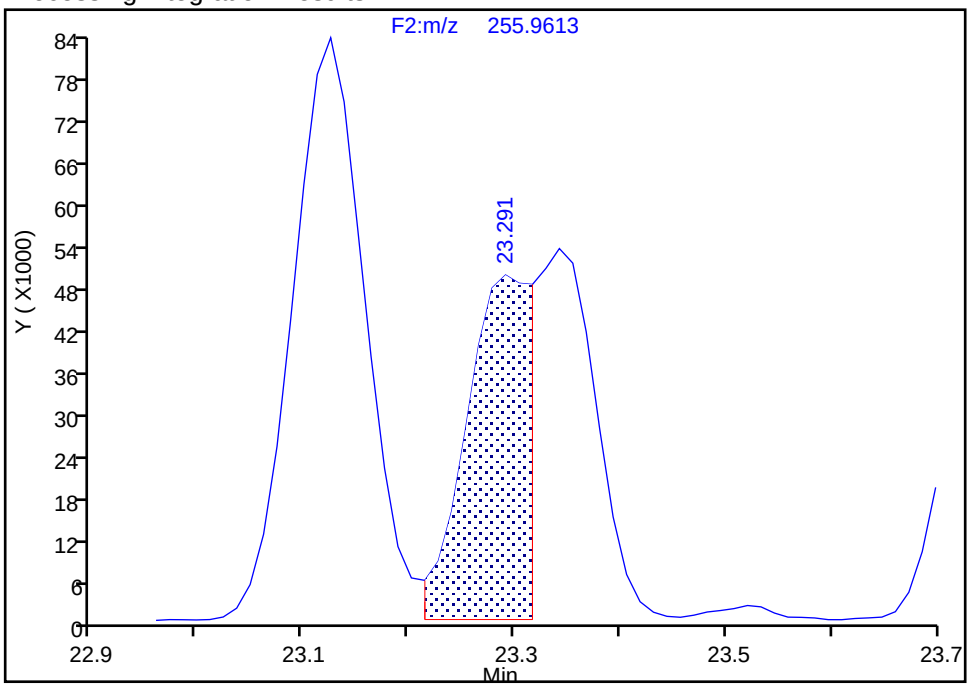
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 1

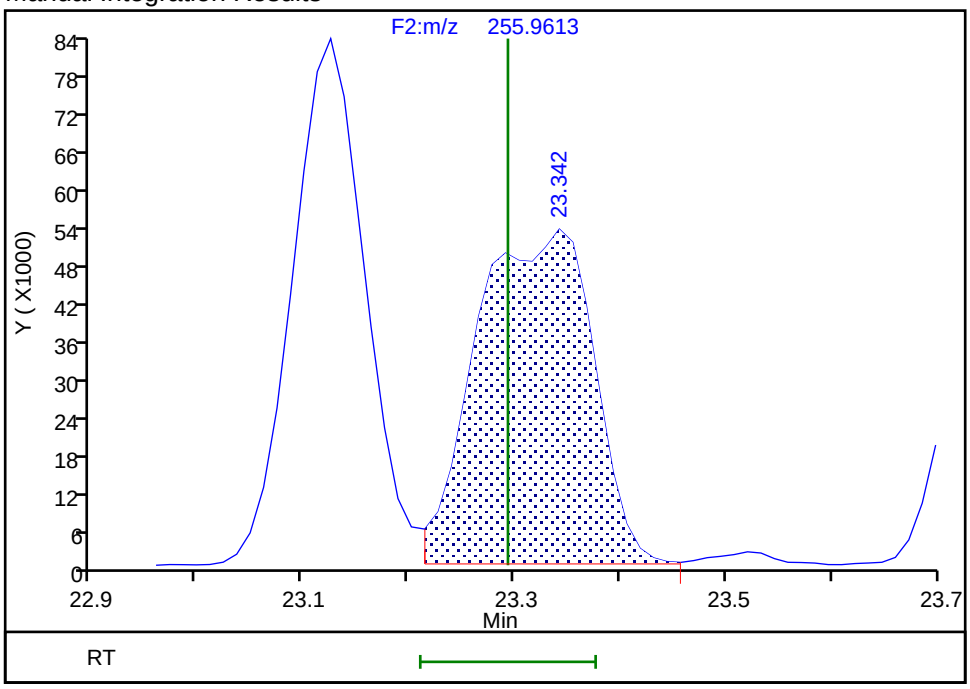
Processing Integration Results

RT: 23.29
Area: 198418
Amount: 8.739909
Amount Units: pg/ul




Manual Integration Results

RT: 23.34
Area: 403319
Amount: 17.675607
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:56:11

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

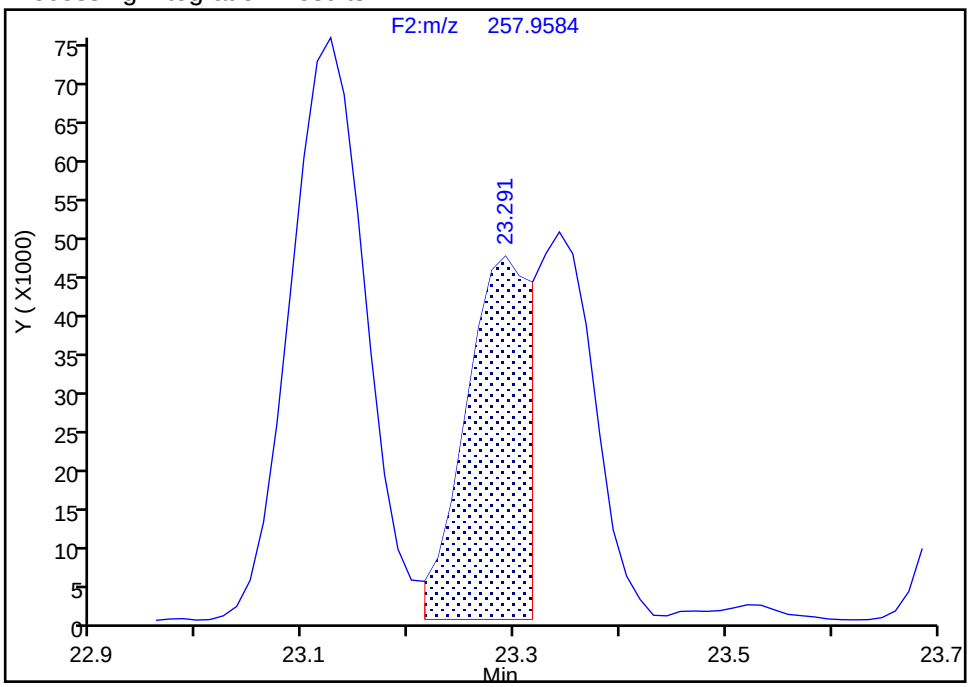
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-21/33, CAS: STL01800

Signal: 2

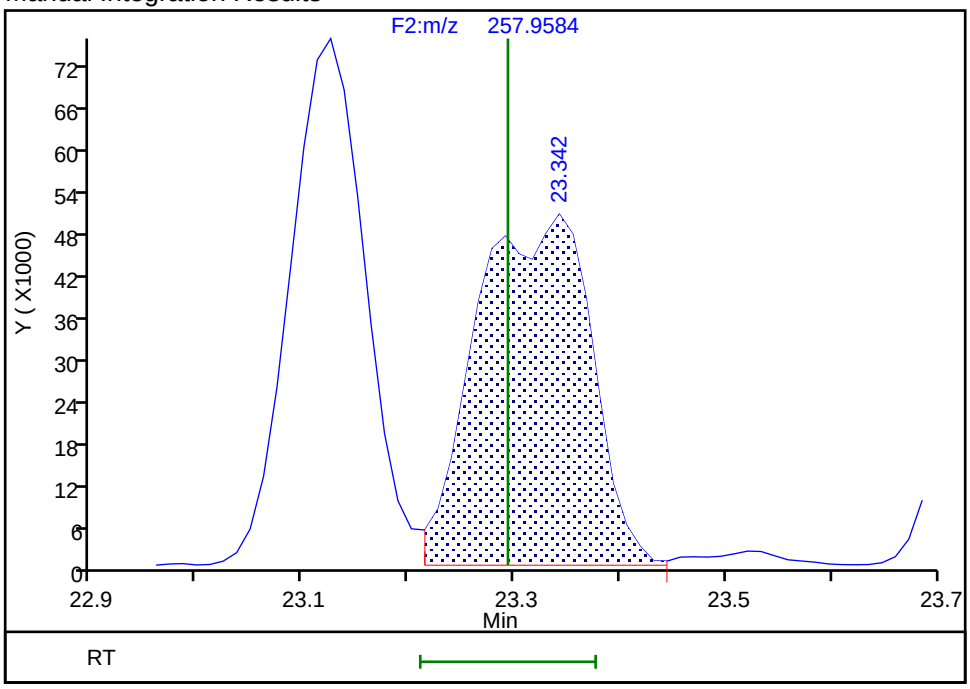
Processing Integration Results

RT: 23.29
Area: 188381
Amount: 8.739909
Amount Units: pg/ul




Manual Integration Results

RT: 23.34
Area: 378944
Amount: 17.675607
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:56:20

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
|---|---|---|---|---|---|
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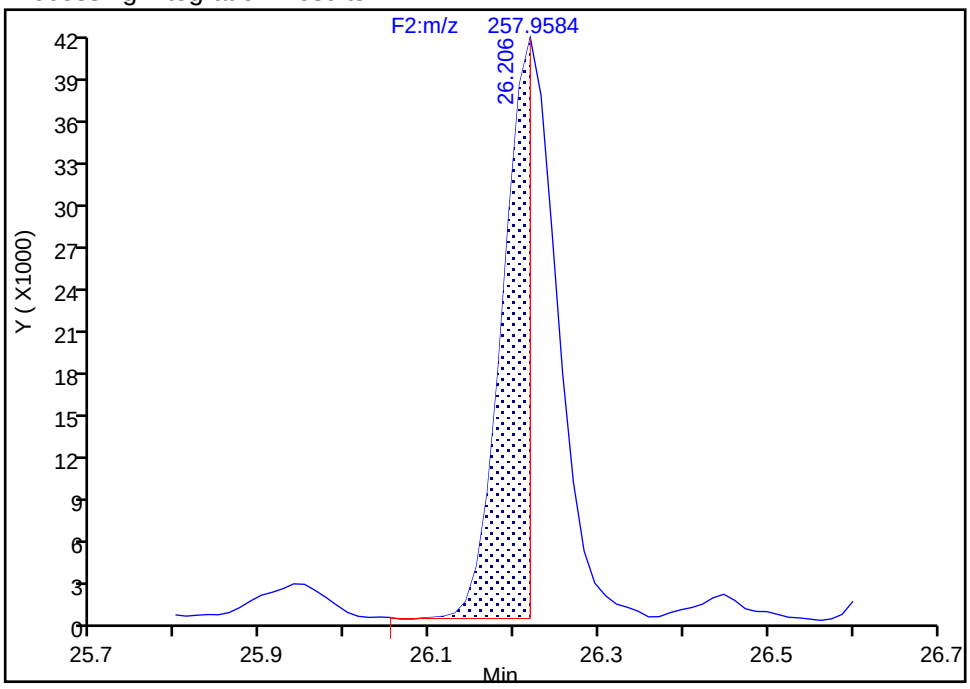
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-38, CAS: 53555-66-1

Signal: 2

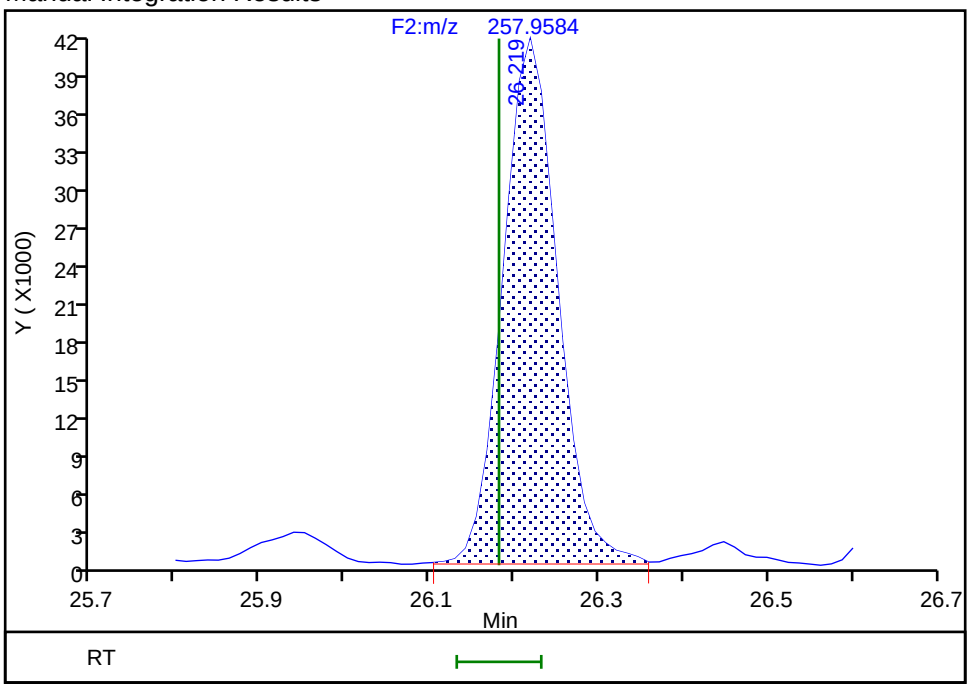
Processing Integration Results

RT: 26.21
Area: 89672
Amount: 6.778193
Amount Units: pg/ul




Manual Integration Results

RT: 26.22
Area: 183424
Amount: 9.114519
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:56:33

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

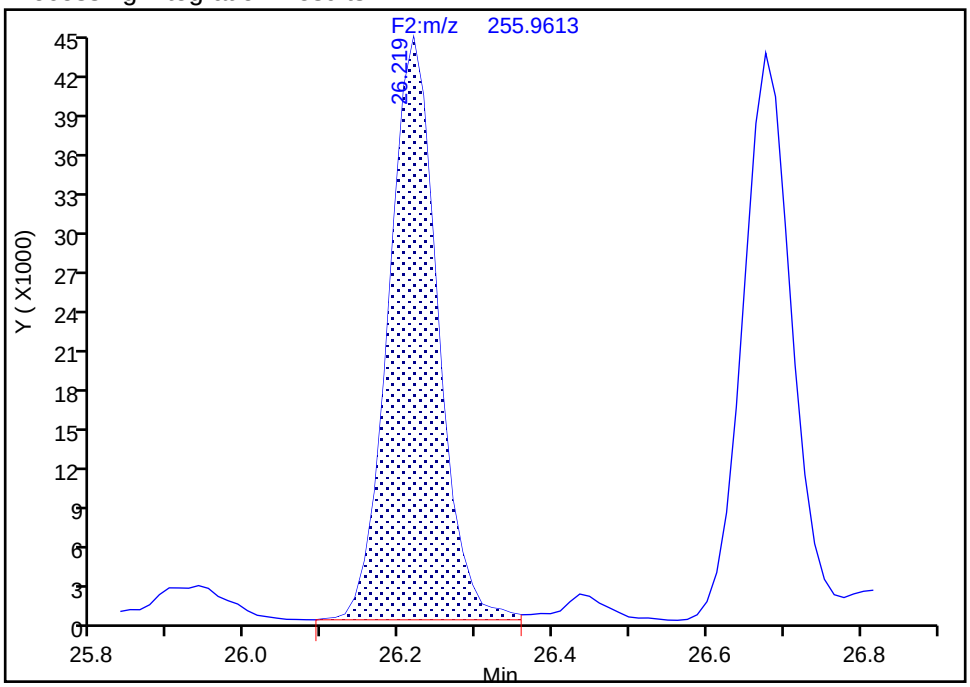
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-38, CAS: 53555-66-1

Signal: 1

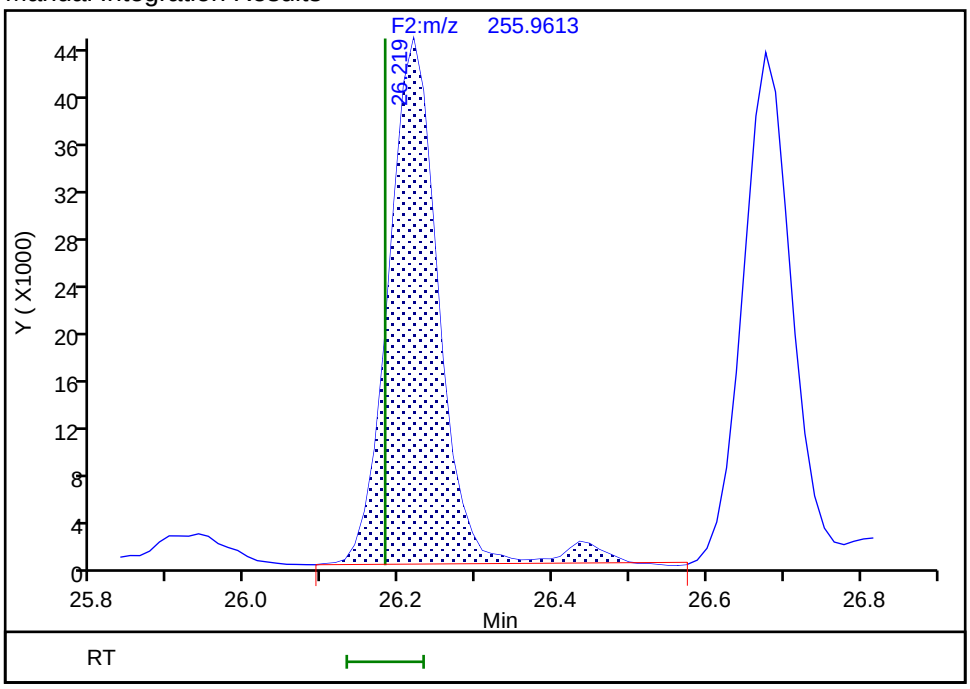
Processing Integration Results

RT: 26.22
Area: 197247
Amount: 6.778193
Amount Units: pg/ul




Manual Integration Results

RT: 26.22
Area: 202391
Amount: 9.114519
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:56:48
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

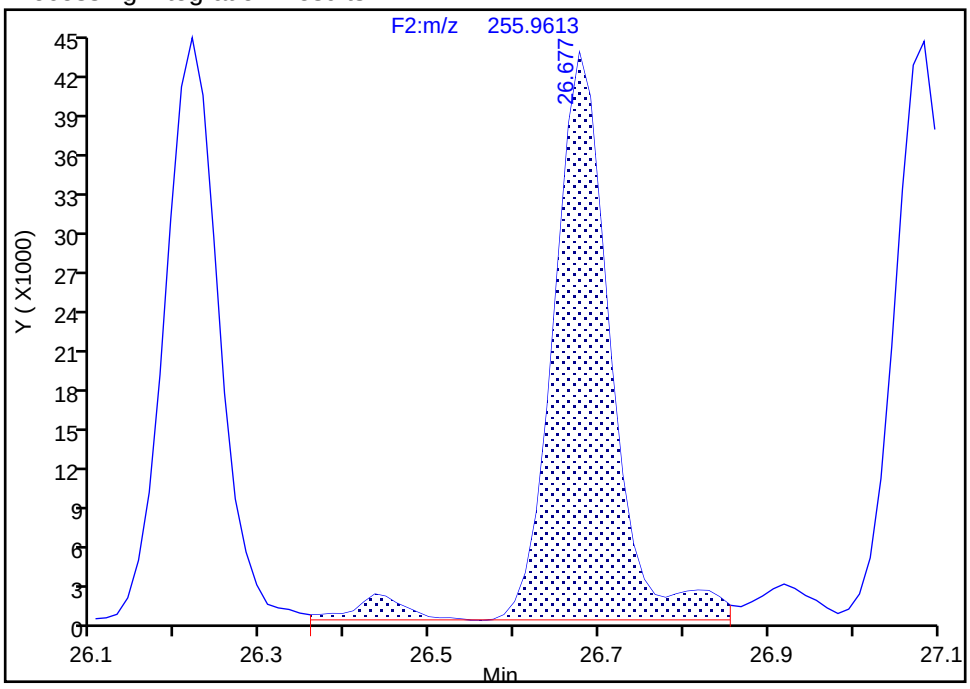
Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d
Injection Date: 03-Oct-2019 12:37:00 Instrument ID: D3D
Lims ID: LCS 140-33628/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-35, CAS: 37680-69-6

Signal: 1

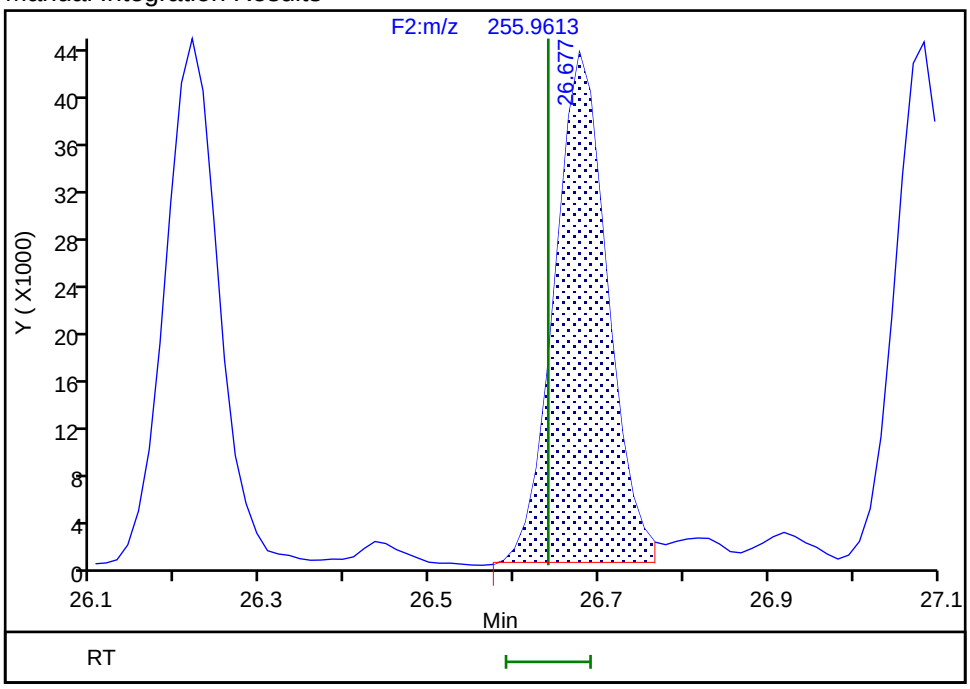
Processing Integration Results

RT: 26.68
Area: 208657
Amount: 10.103783
Amount Units: pg/ul




Manual Integration Results

RT: 26.68
Area: 187771
Amount: 9.374439
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:56:48
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

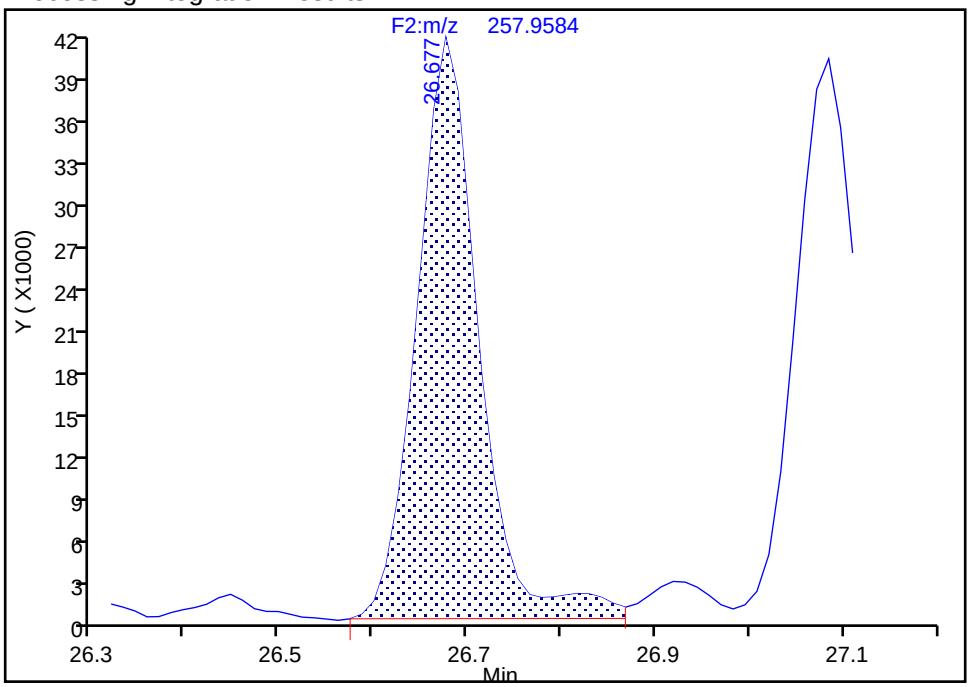
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-35, CAS: 37680-69-6

Signal: 2

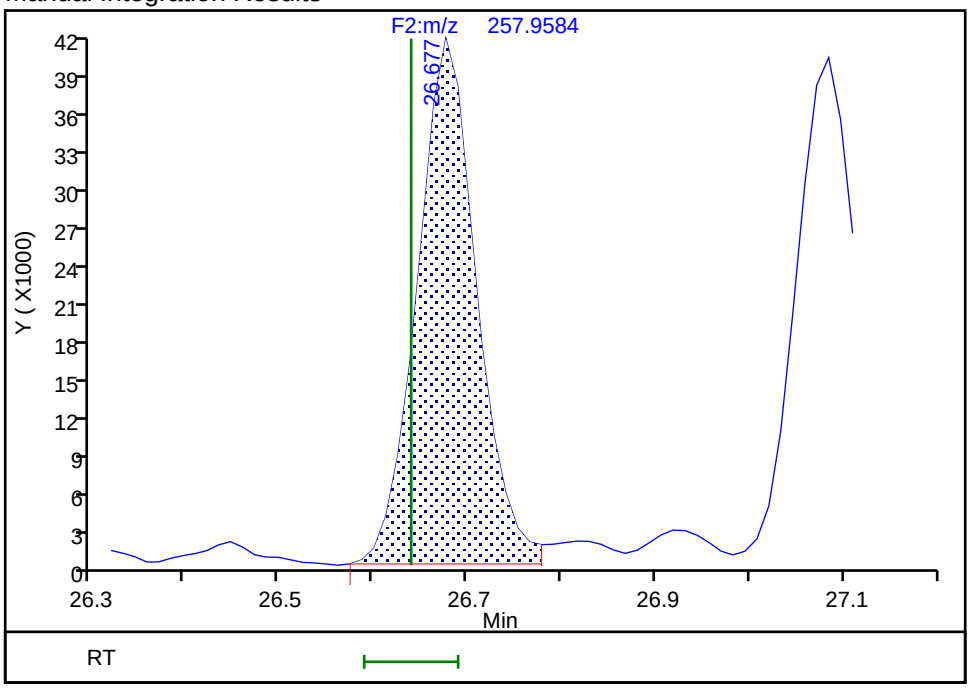
Processing Integration Results

RT: 26.68
Area: 186244
Amount: 10.103783
Amount Units: pg/ul




Manual Integration Results

RT: 26.68
Area: 178624
Amount: 9.374439
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:57:02
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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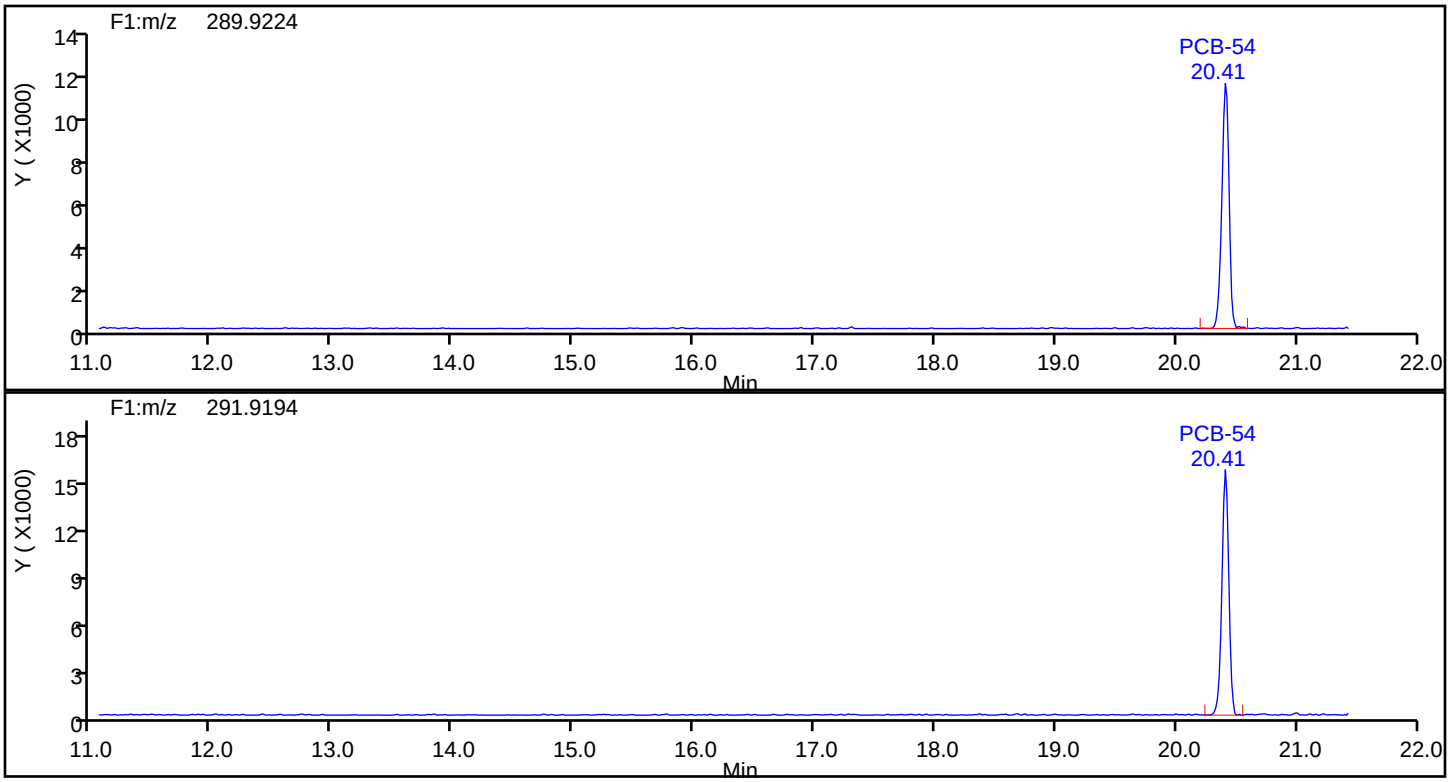
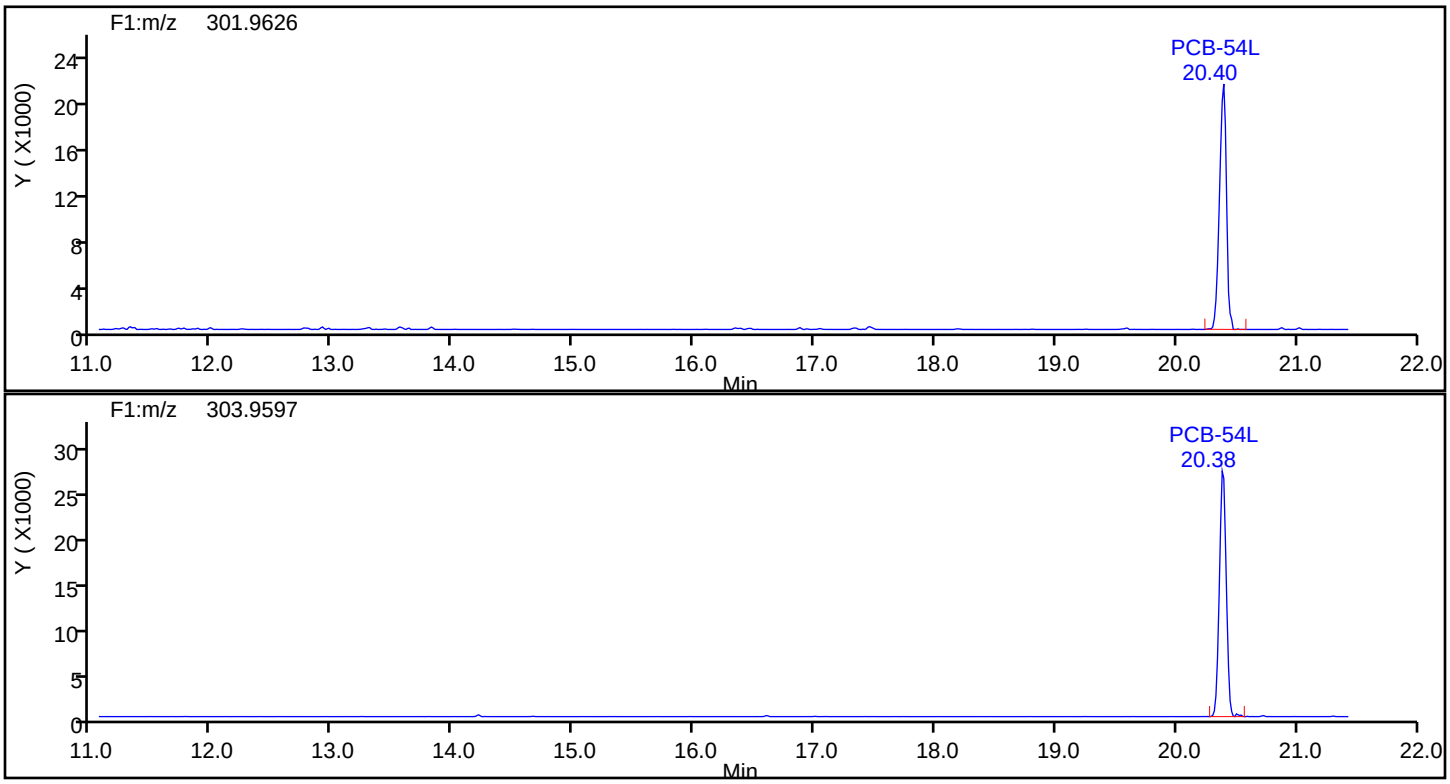
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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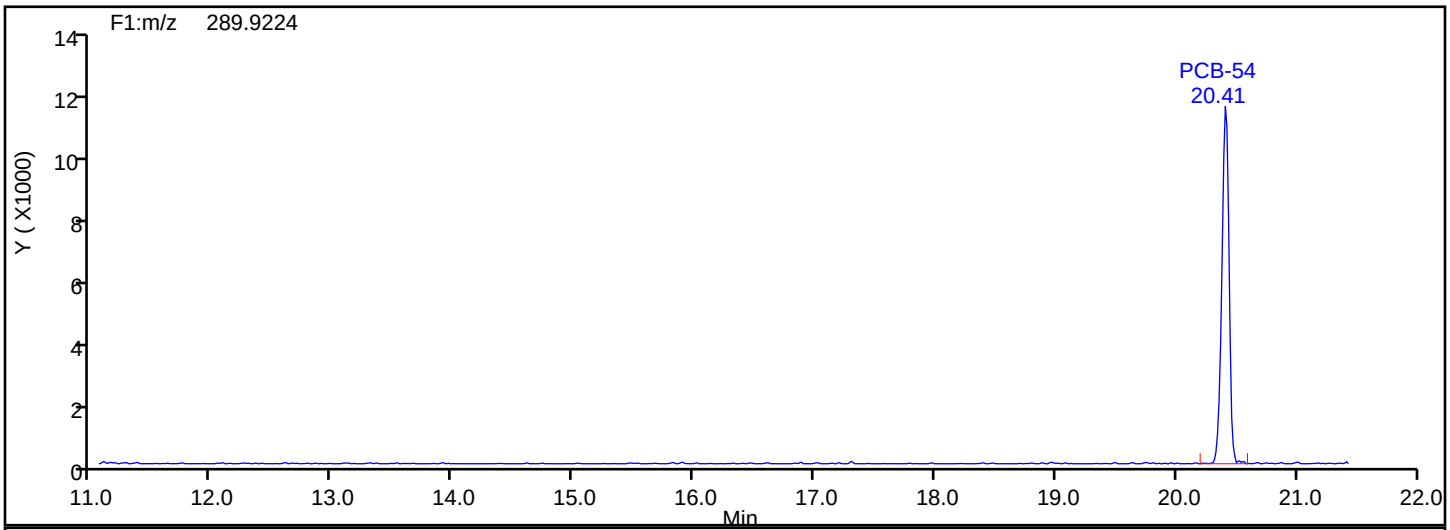
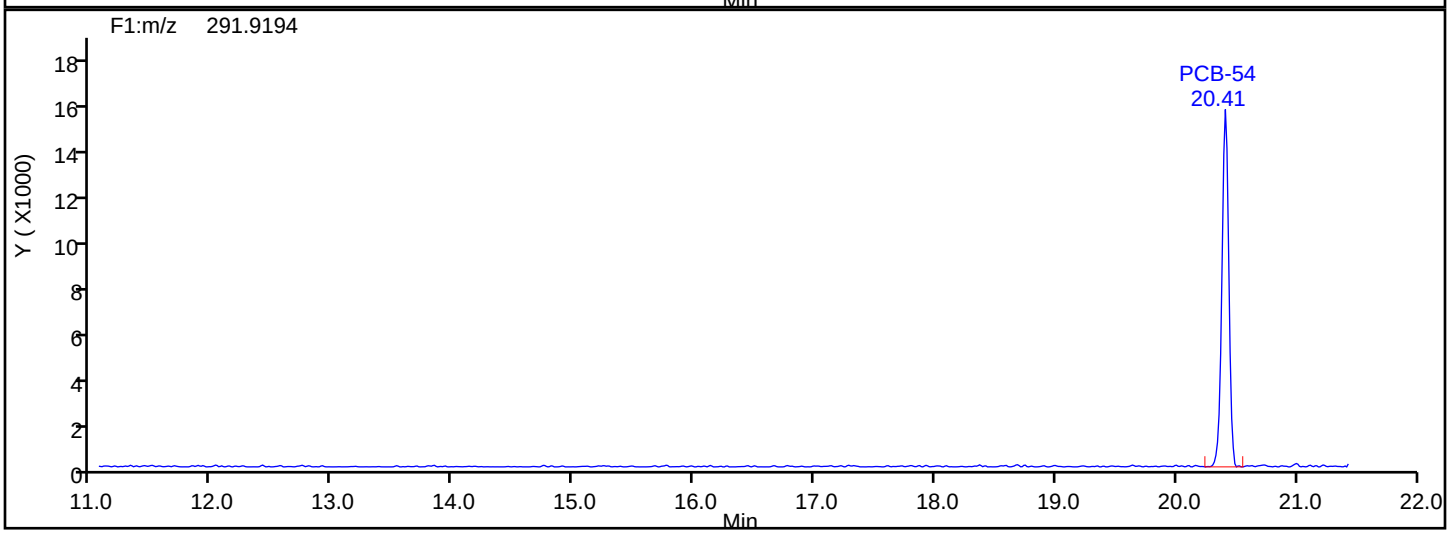
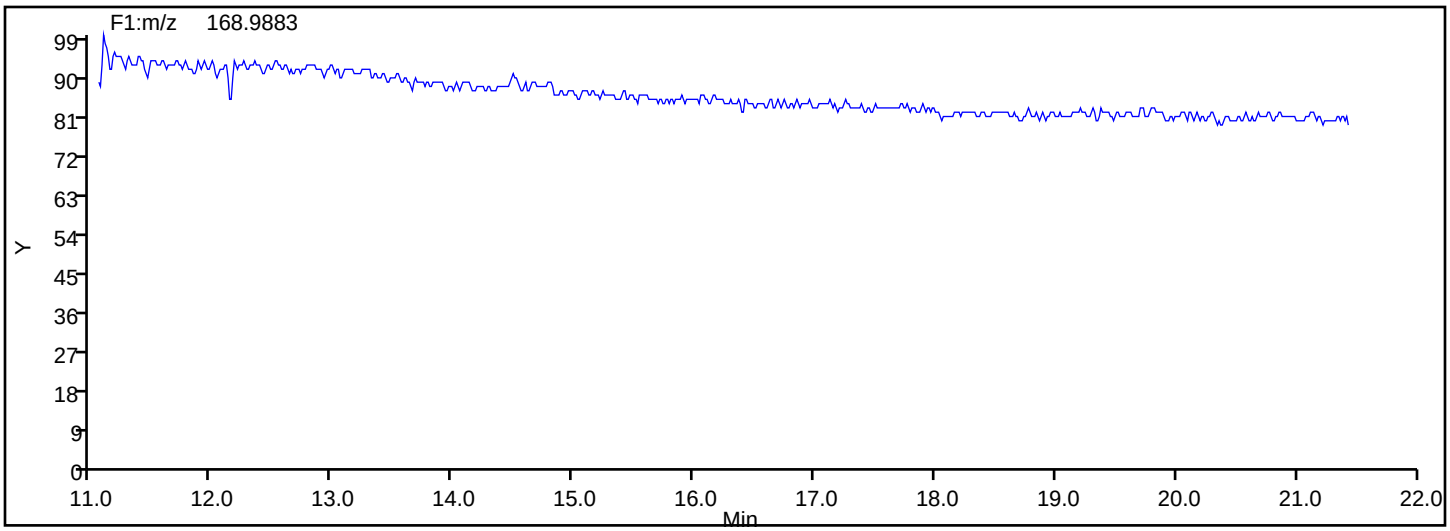
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1



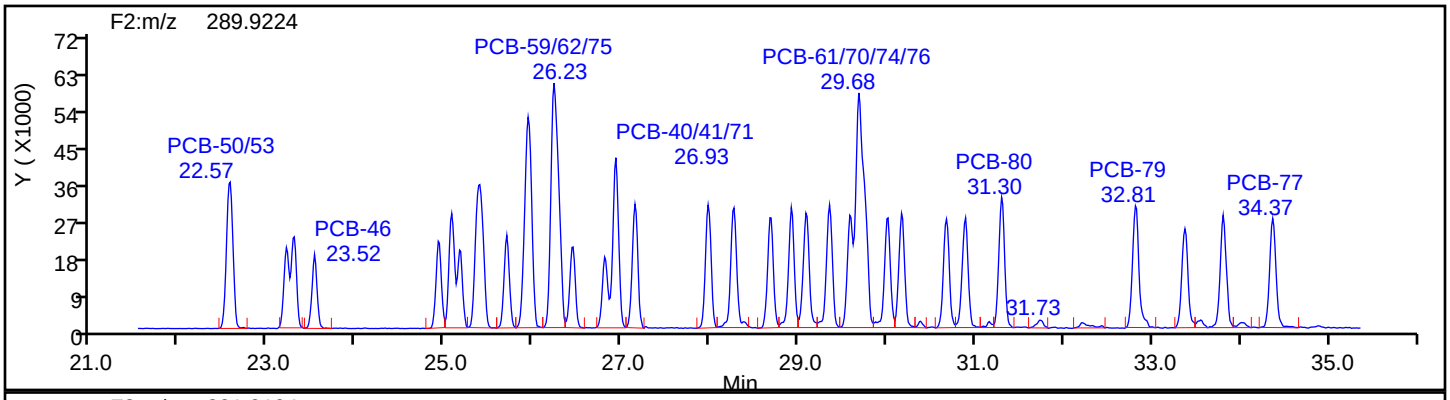

TePCB F1 Lock Mass

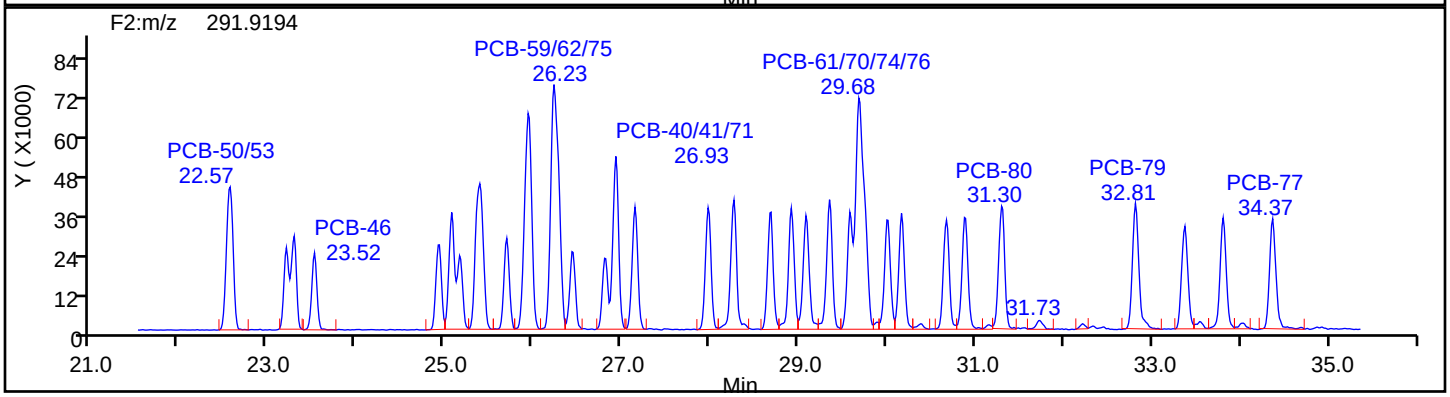


Eurofins TestAmerica, Knoxville

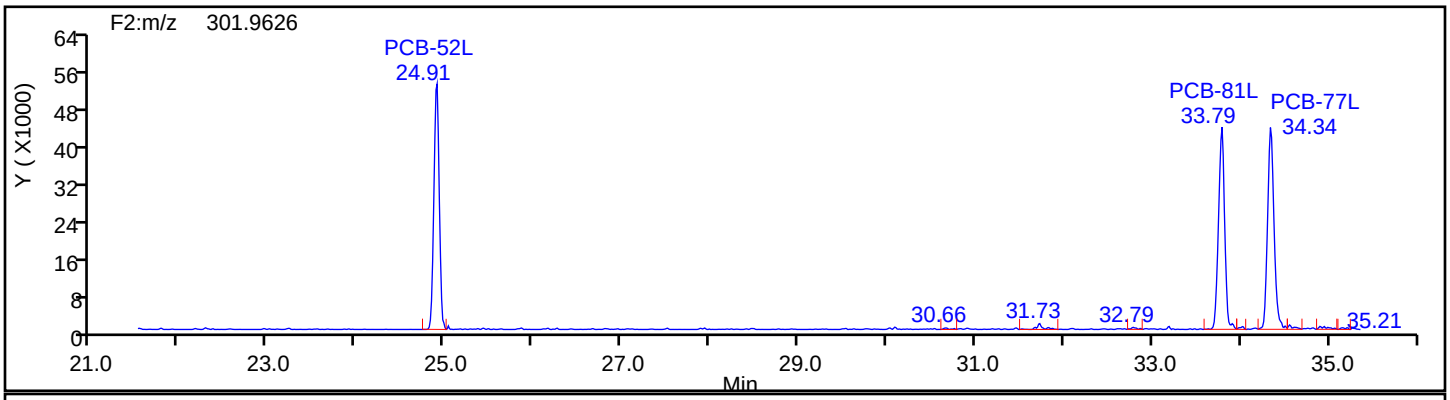
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

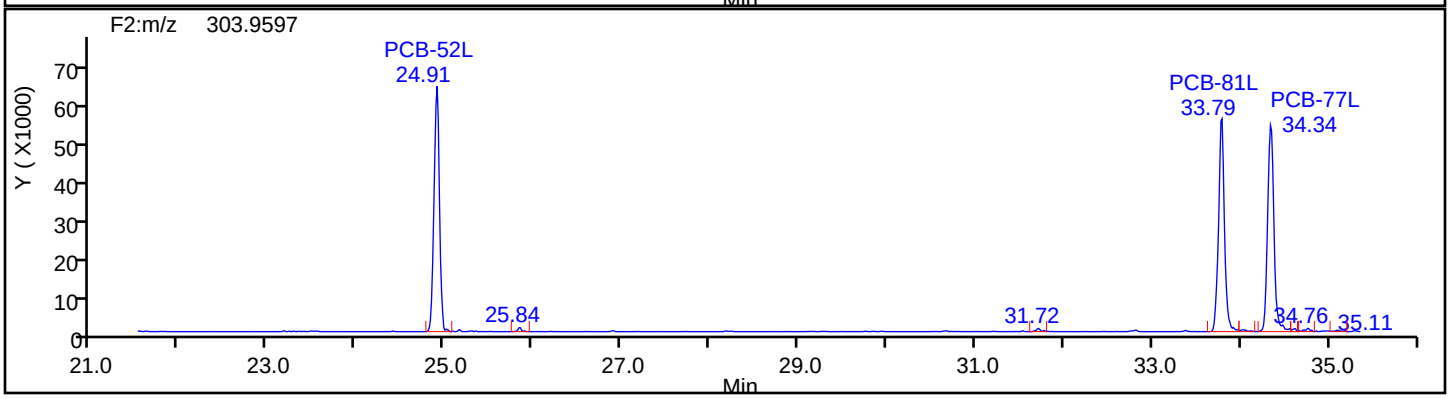
TePCB F2




TePCB F2 Standards

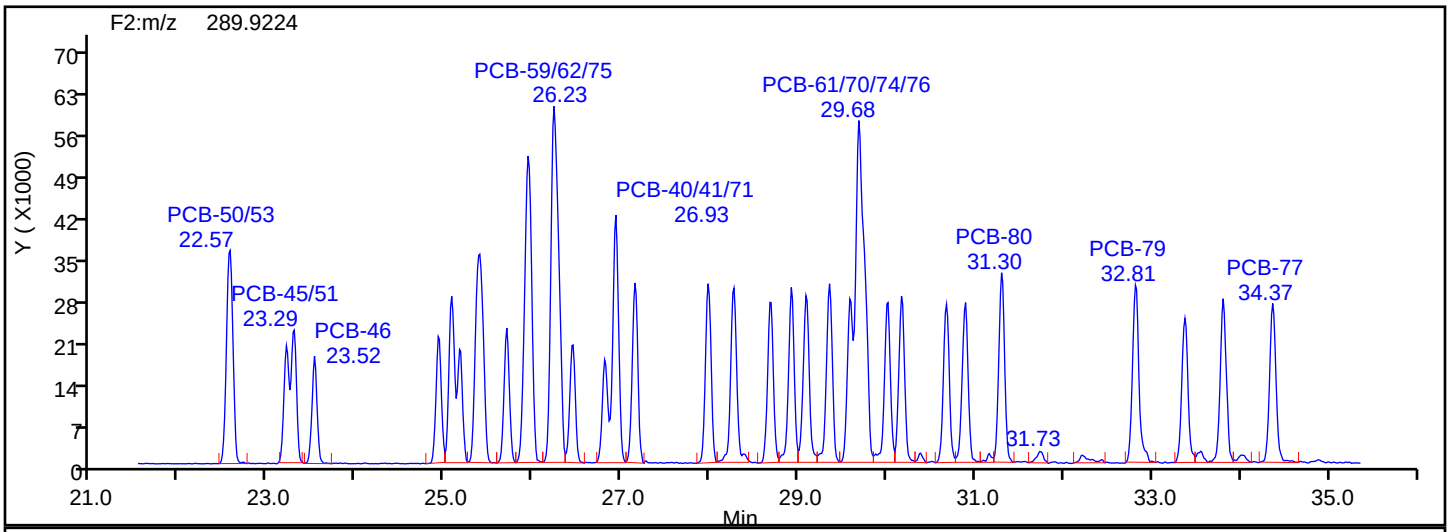


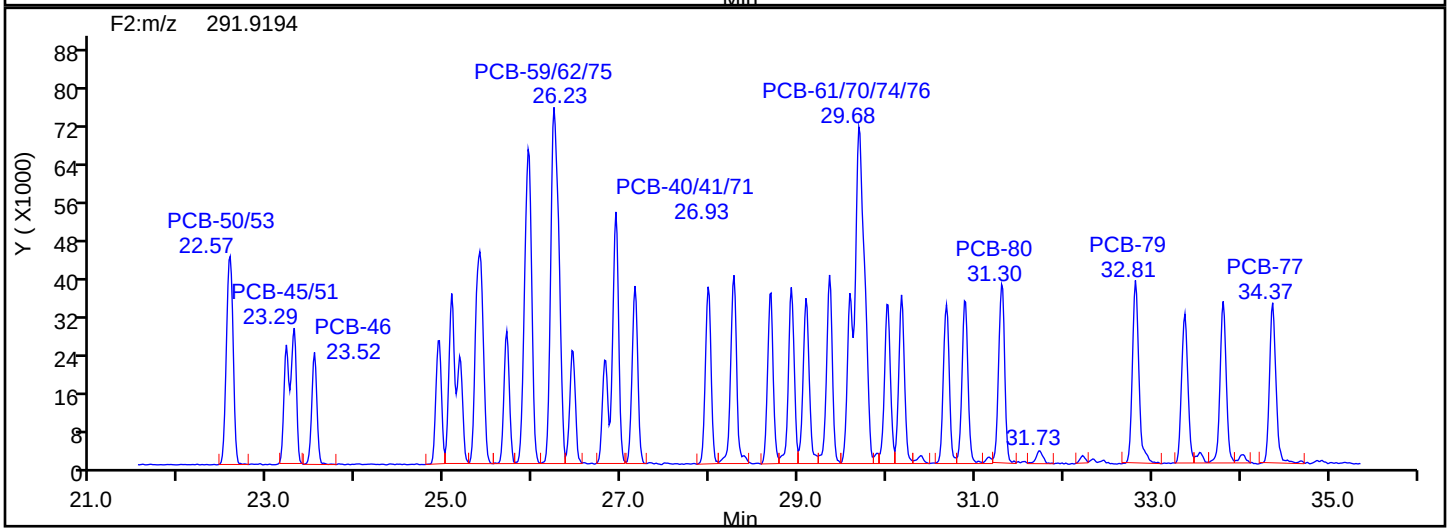



Eurofins TestAmerica, Knoxville

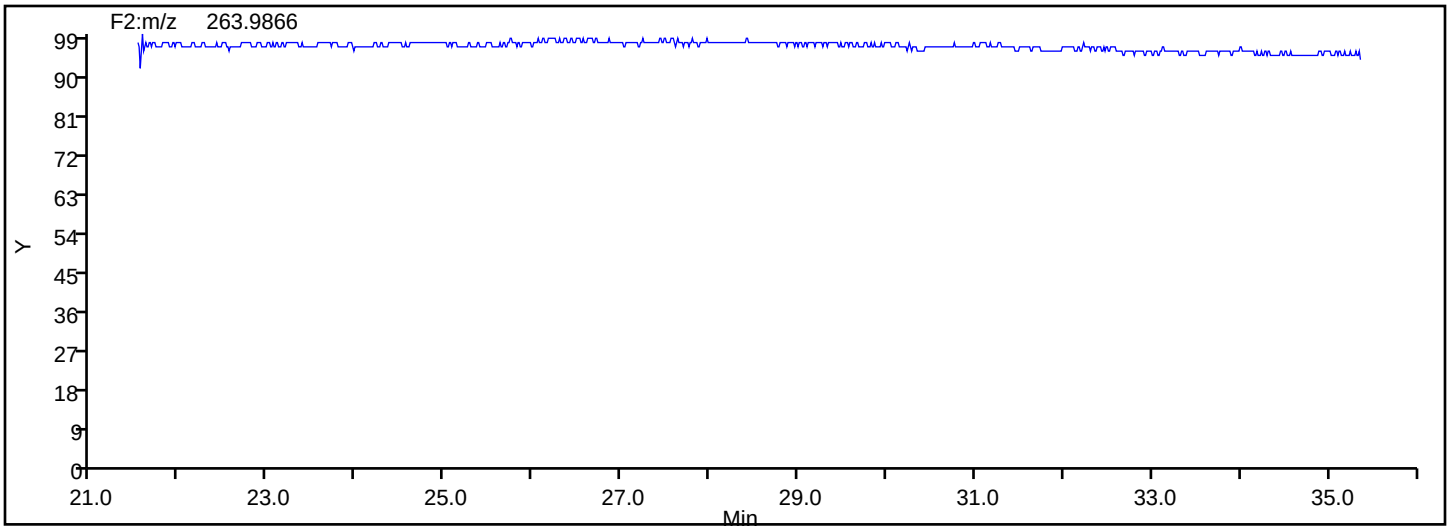
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

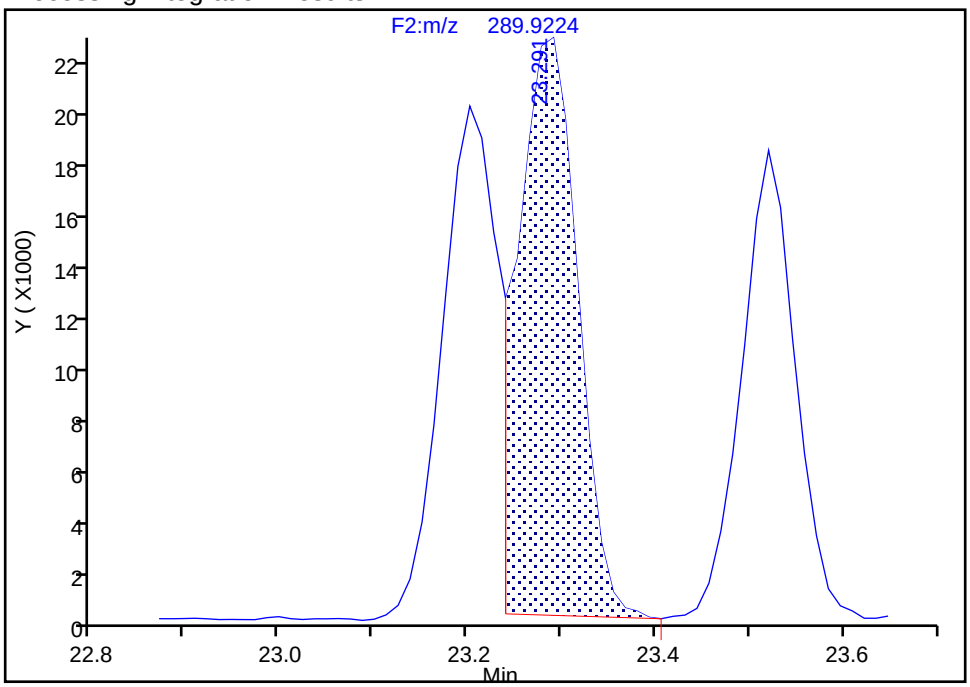
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

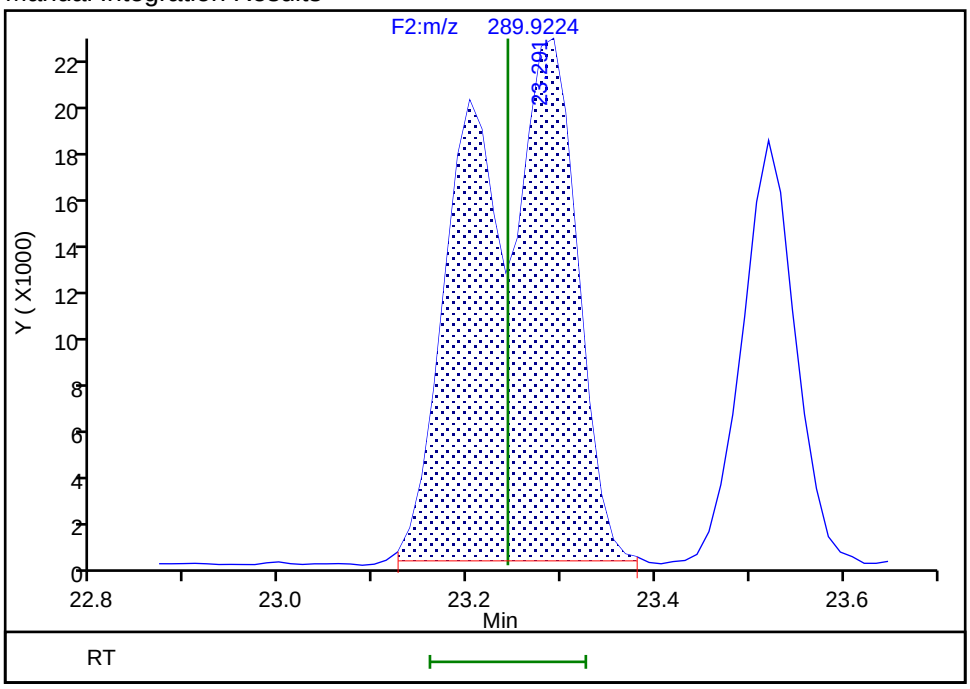
Processing Integration Results

RT: 23.29
Area: 96367
Amount: 10.057795
Amount Units: pg/ul




Manual Integration Results

RT: 23.29
Area: 173564
Amount: 18.065740
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:57:18

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

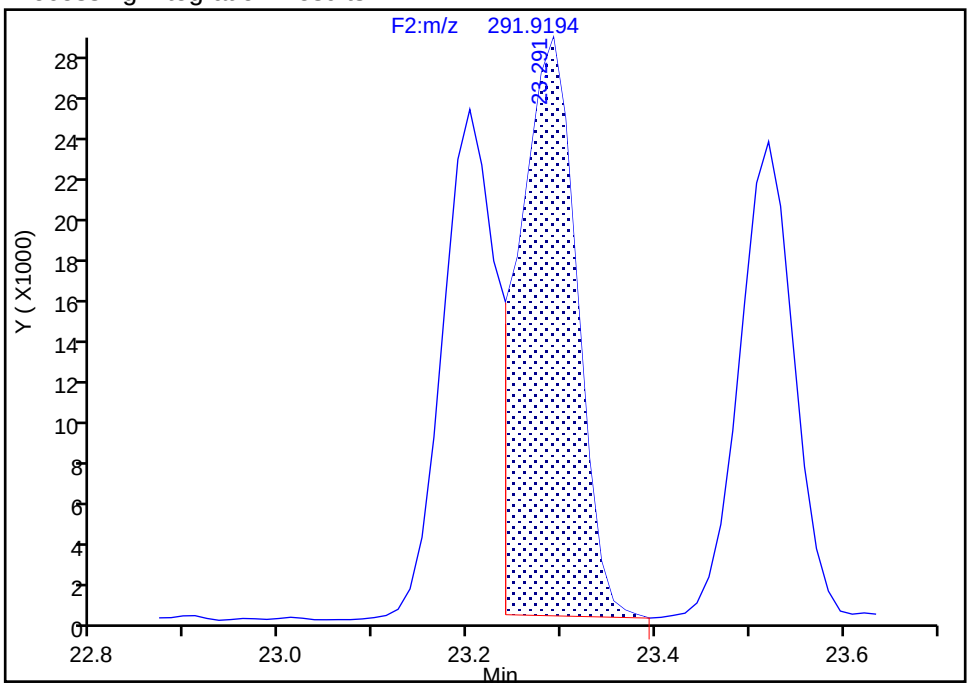
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

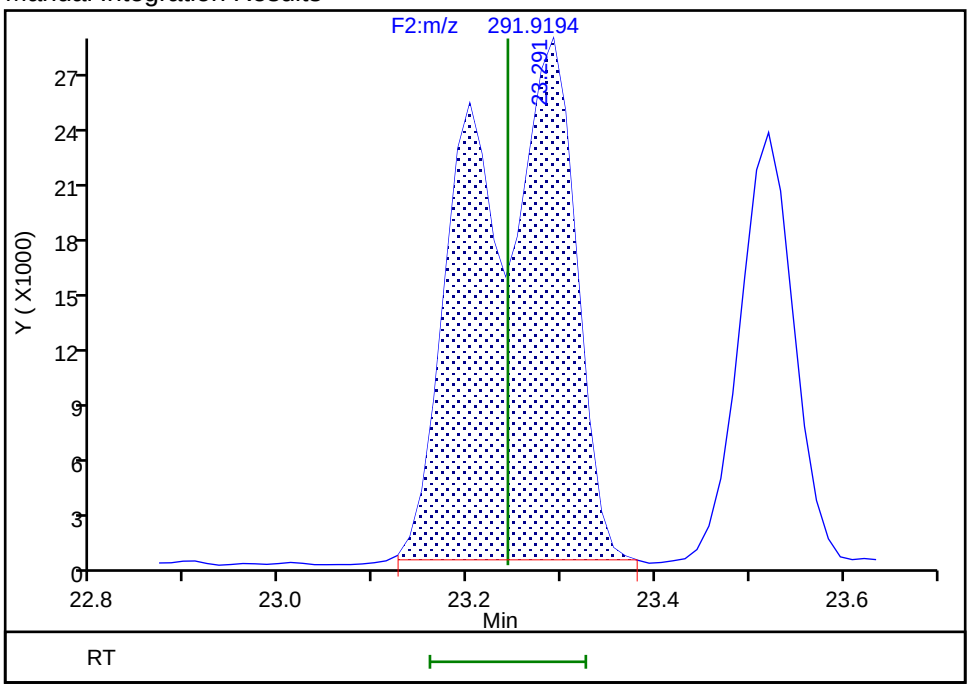
Processing Integration Results

RT: 23.29
Area: 119121
Amount: 10.057795
Amount Units: pg/ul




Manual Integration Results

RT: 23.29
Area: 213494
Amount: 18.065740
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:57:29
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

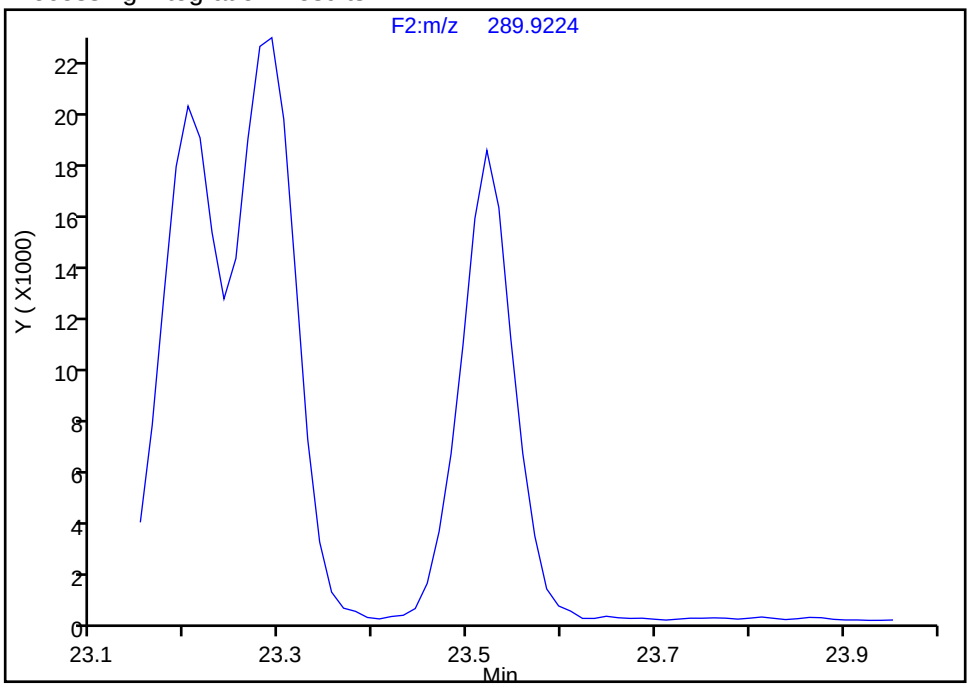
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-46, CAS: 41464-47-5

Signal: 1

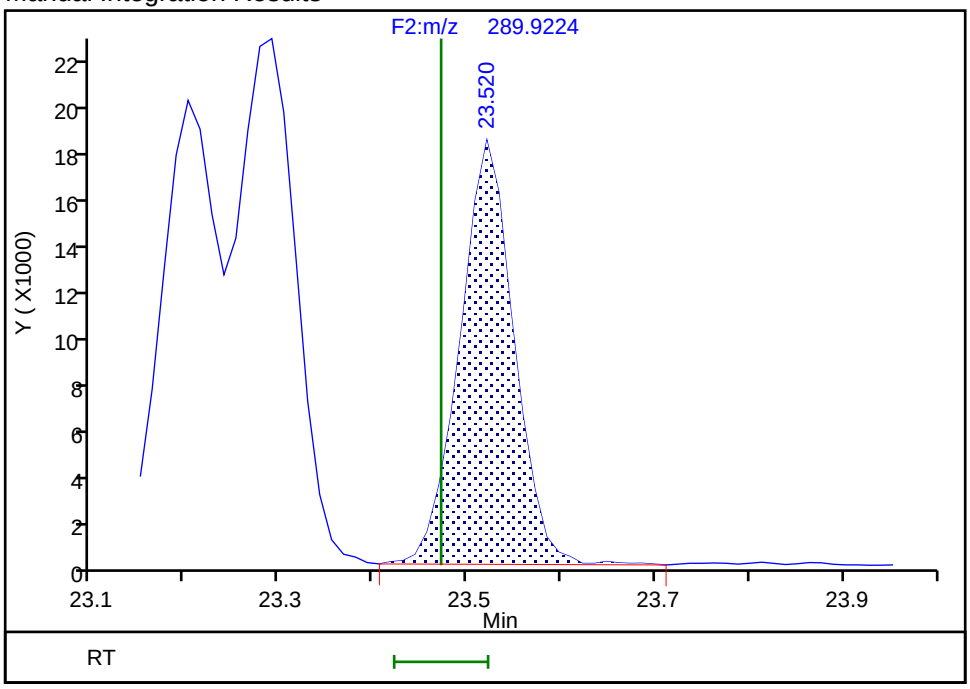
Not Detected
Expected RT: 23.47

Processing Integration Results




Manual Integration Results

RT: 23.52
Area: 72443
Amount: 9.185707
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:57:35
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

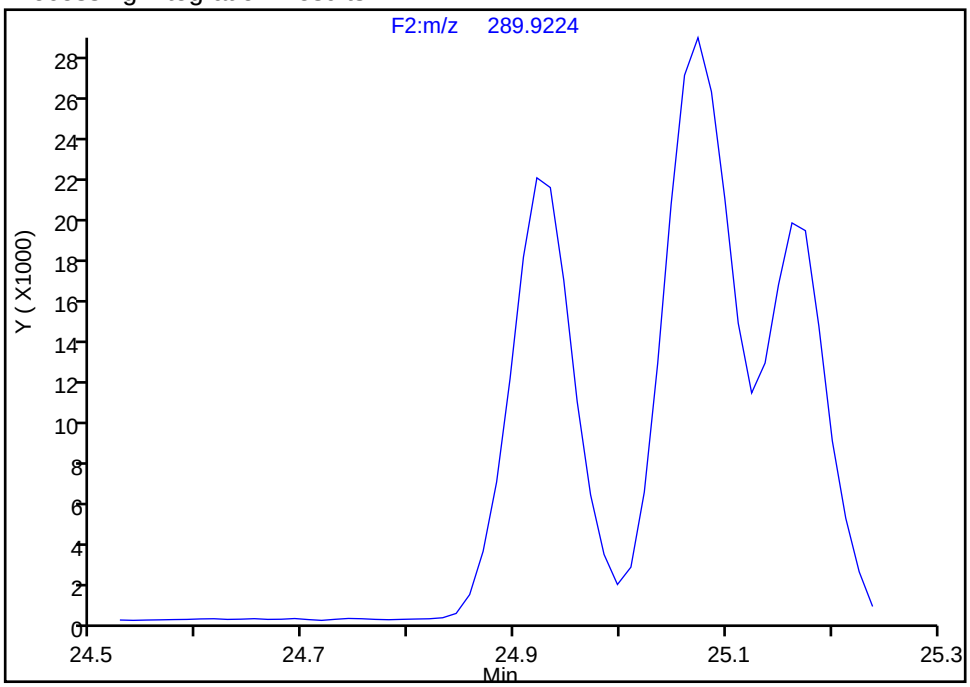
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-52, CAS: 35693-99-3

Signal: 1

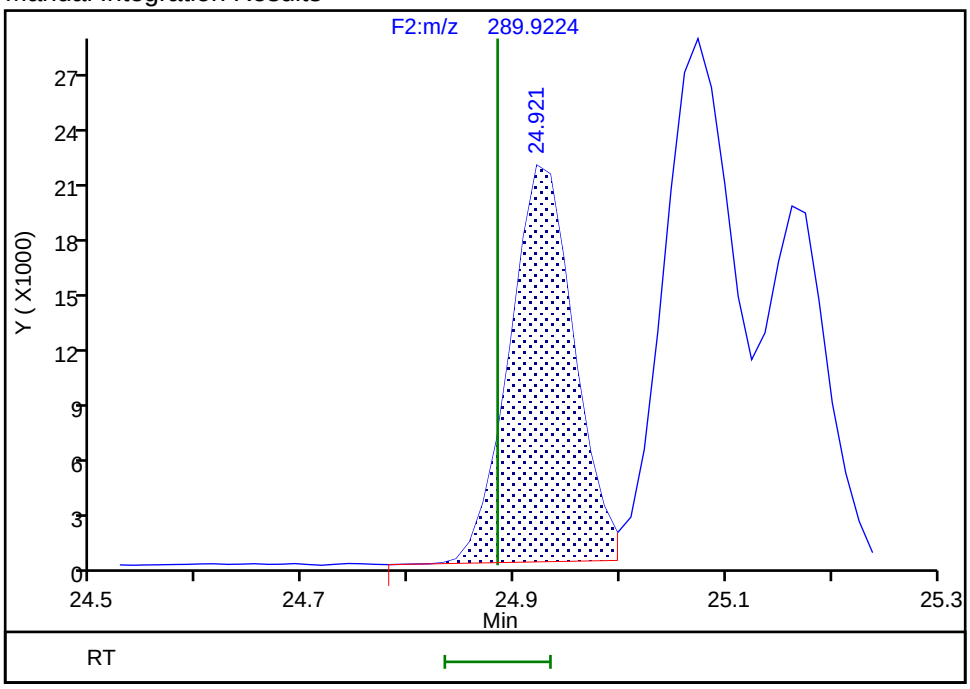
Not Detected
Expected RT: 24.88

Processing Integration Results




Manual Integration Results

RT: 24.92
Area: 90285
Amount: 9.478198
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:57:40
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

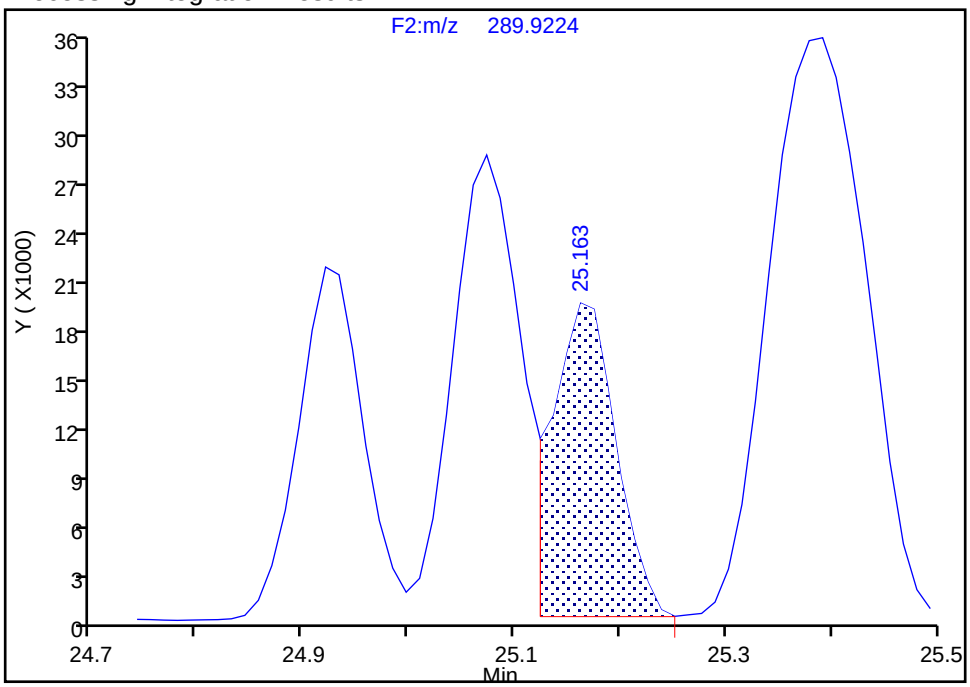
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

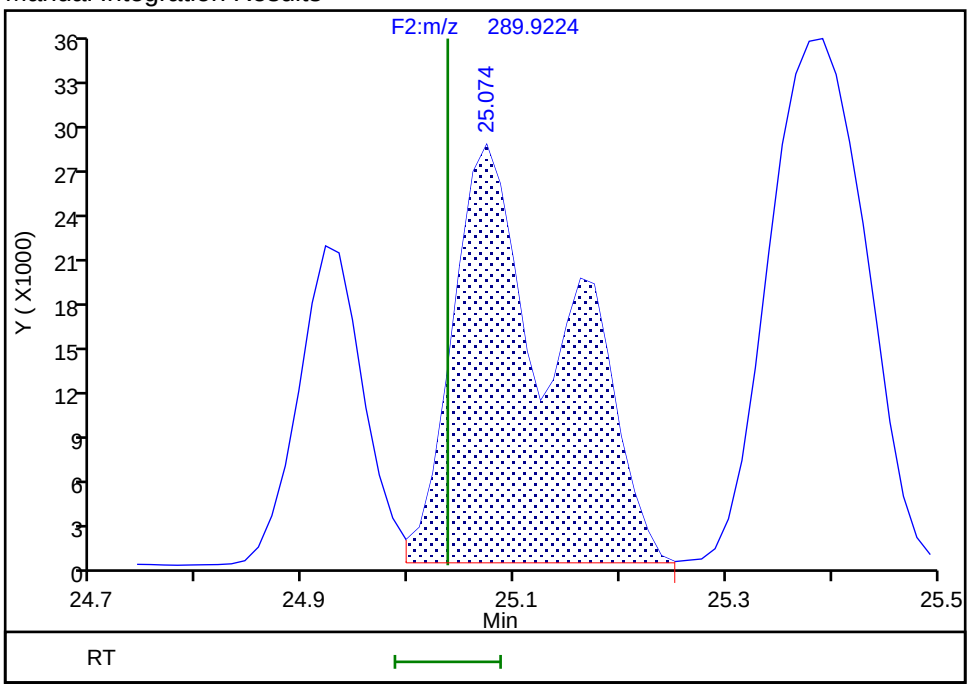
Processing Integration Results

RT: 25.16
Area: 76946
Amount: 7.138604
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 200011
Amount: 18.562850
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:57:53

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

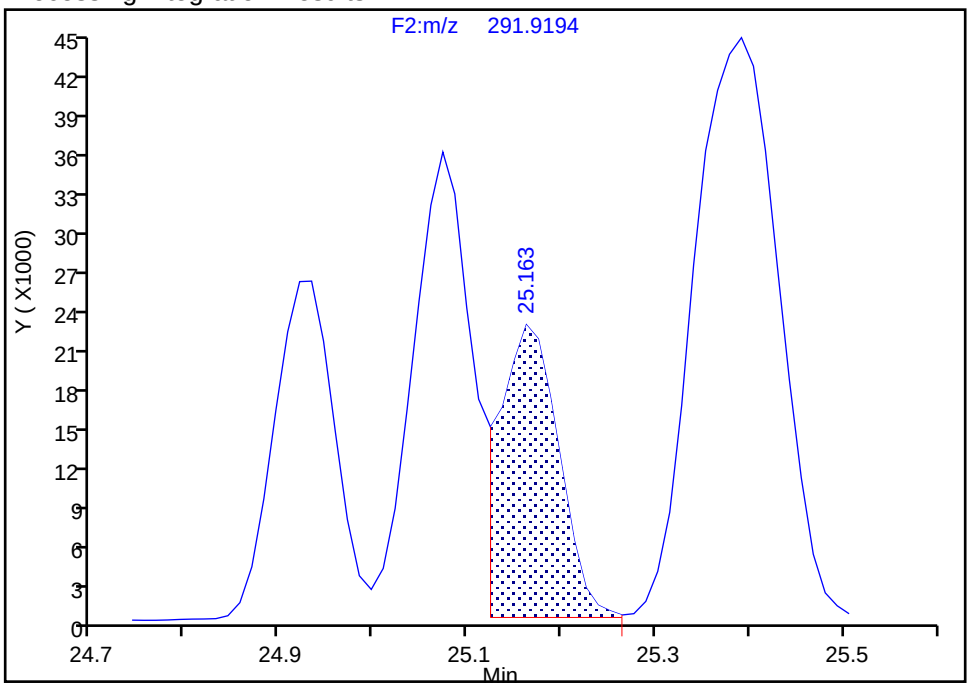
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

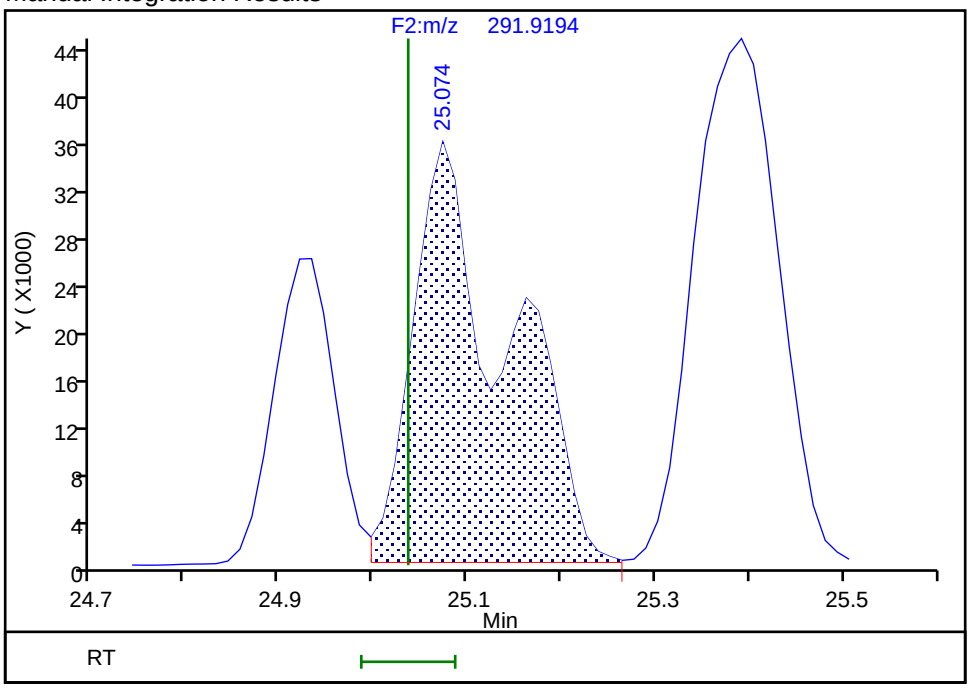
Processing Integration Results

RT: 25.16
Area: 95754
Amount: 7.138604
Amount Units: pg/ul




Manual Integration Results

RT: 25.07
Area: 249069
Amount: 18.562850
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:58:00
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

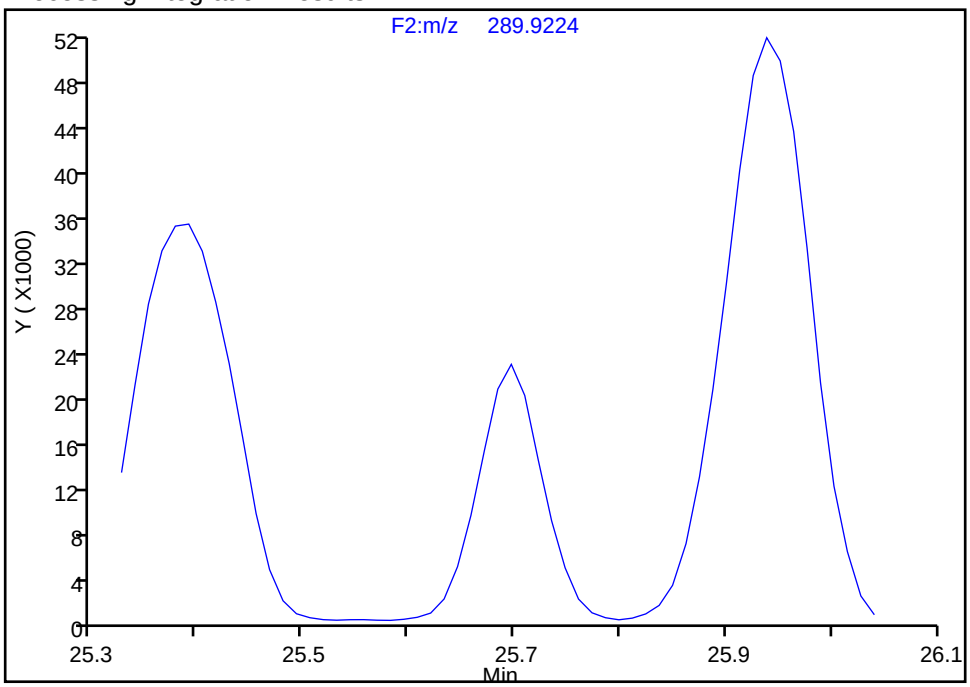
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-48, CAS: 70362-47-9

Signal: 1

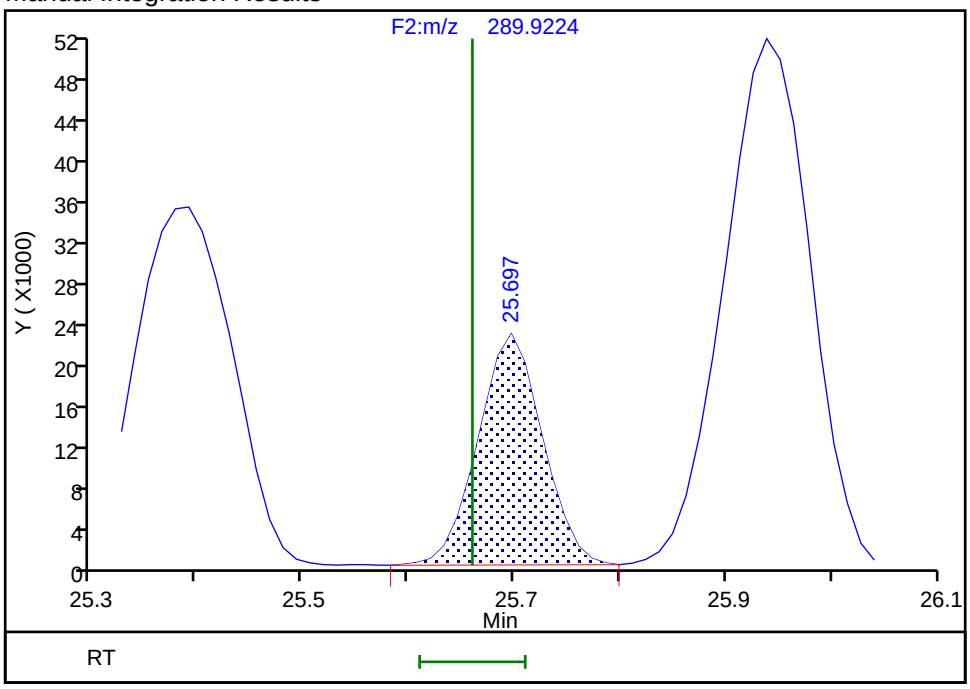
Not Detected
Expected RT: 25.66

Processing Integration Results




Manual Integration Results

RT: 25.70
Area: 95736
Amount: 9.412312
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:58:06
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

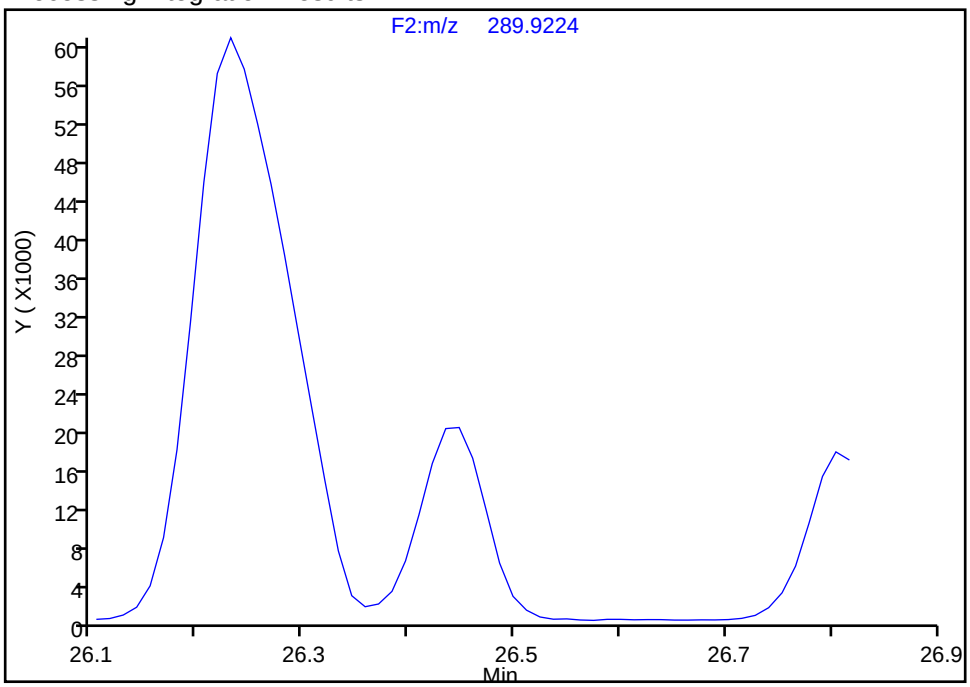
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-42, CAS: 36559-22-5

Signal: 1

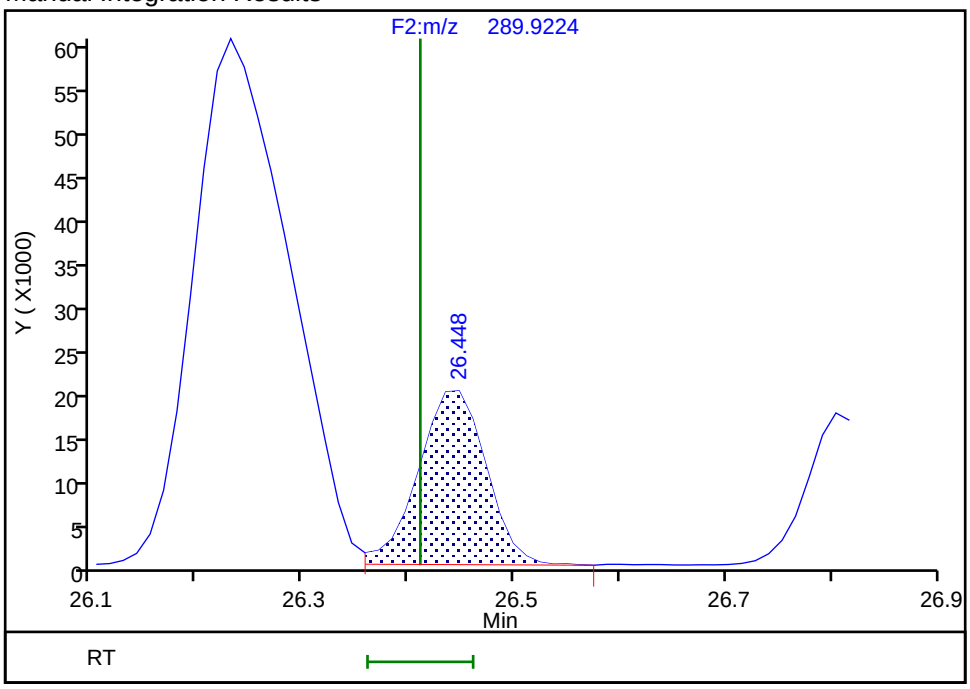
Not Detected
Expected RT: 26.41

Processing Integration Results




Manual Integration Results

RT: 26.45
Area: 88127
Amount: 9.284434
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:58:12
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

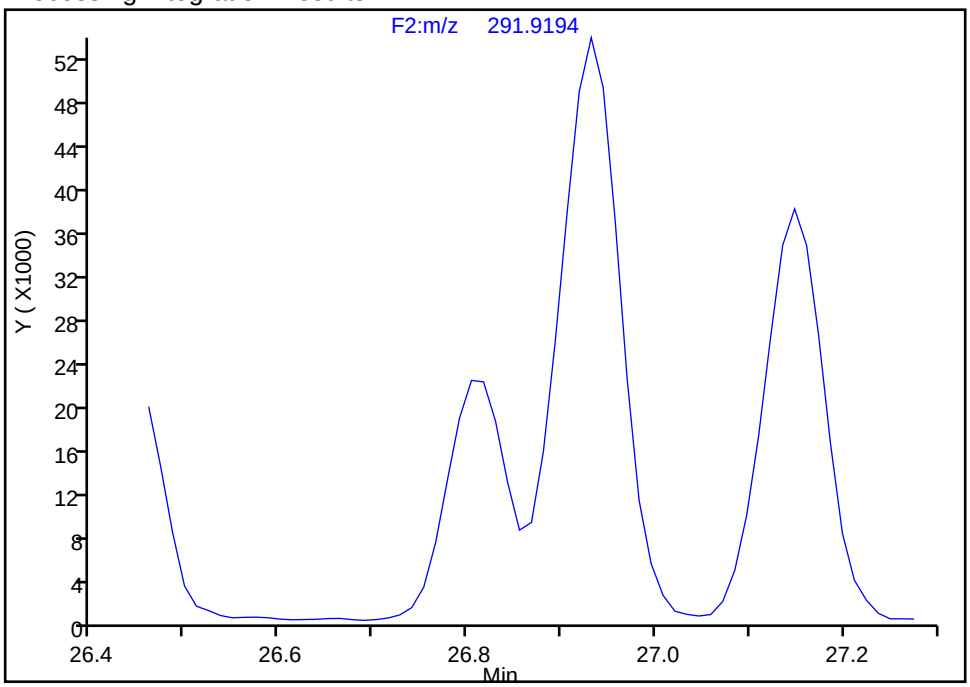
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

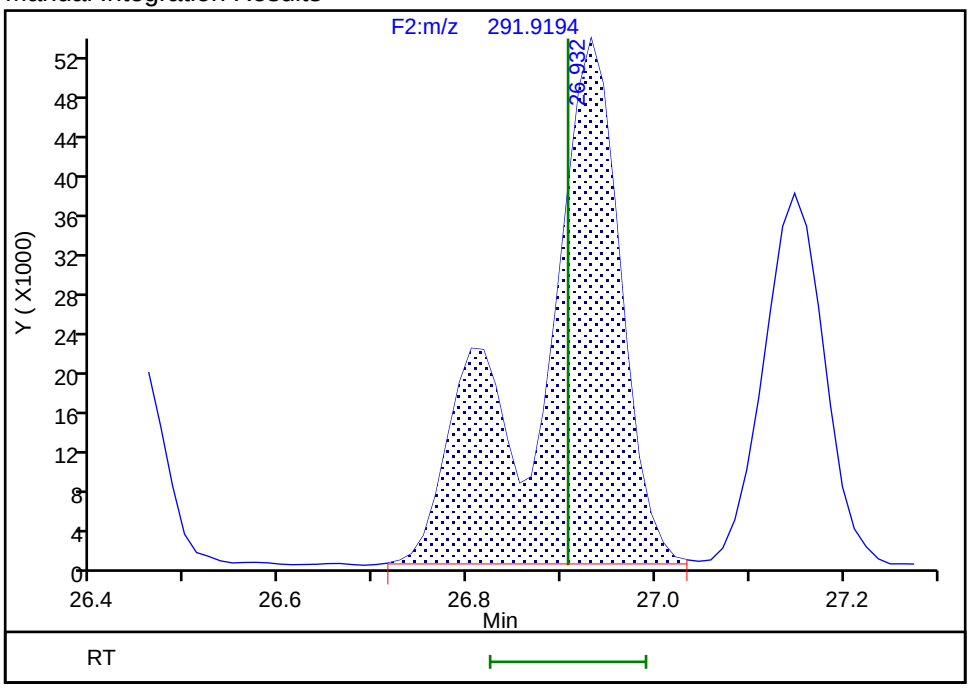
Not Detected
Expected RT: 26.91

Processing Integration Results




Manual Integration Results

RT: 26.93
Area: 334396
Amount: 26.932099
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:58:31
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

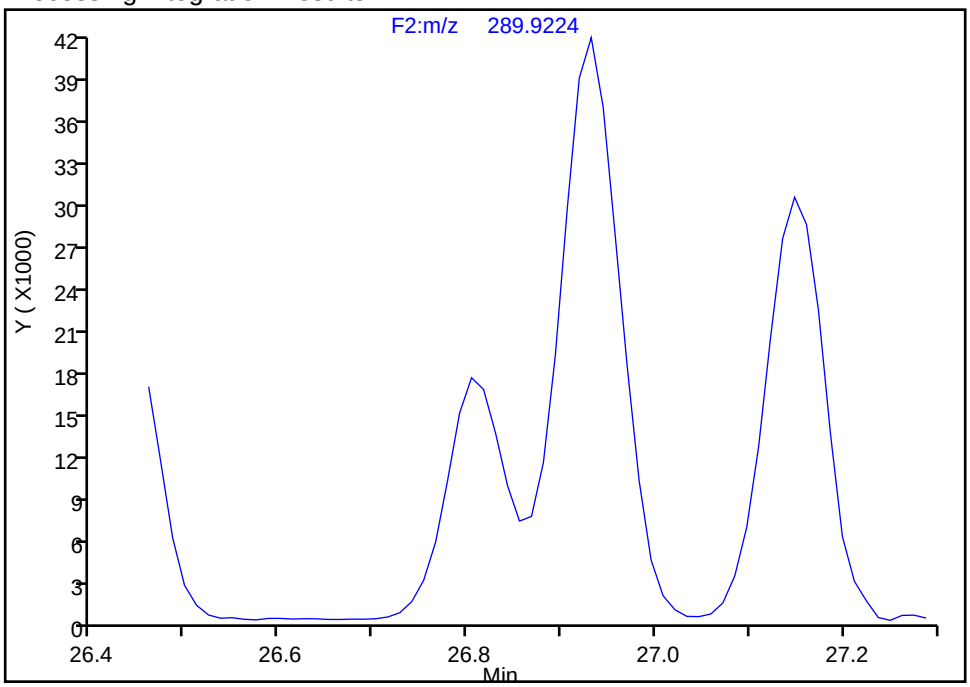
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

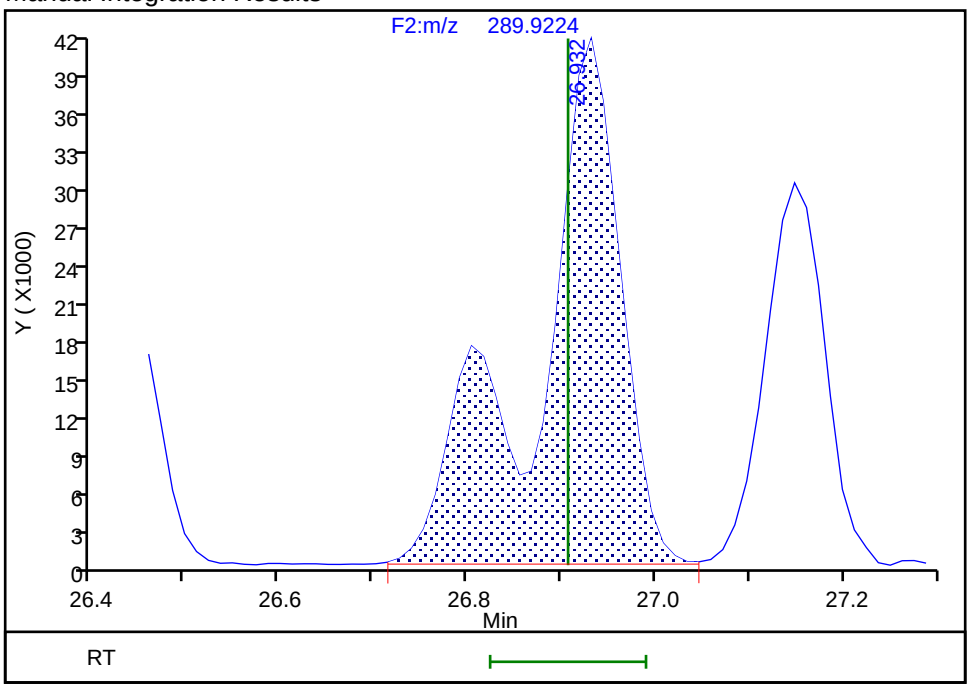
Not Detected
Expected RT: 26.91

Processing Integration Results




Manual Integration Results

RT: 26.93
Area: 264054
Amount: 26.932099
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:58:31
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

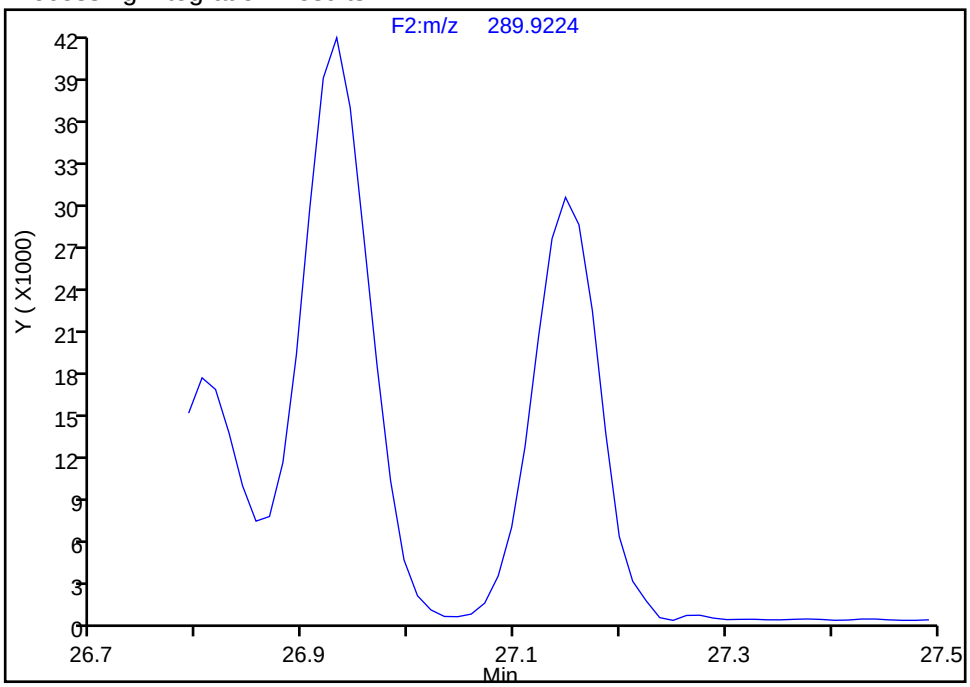
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-64, CAS: 52663-58-8

Signal: 1

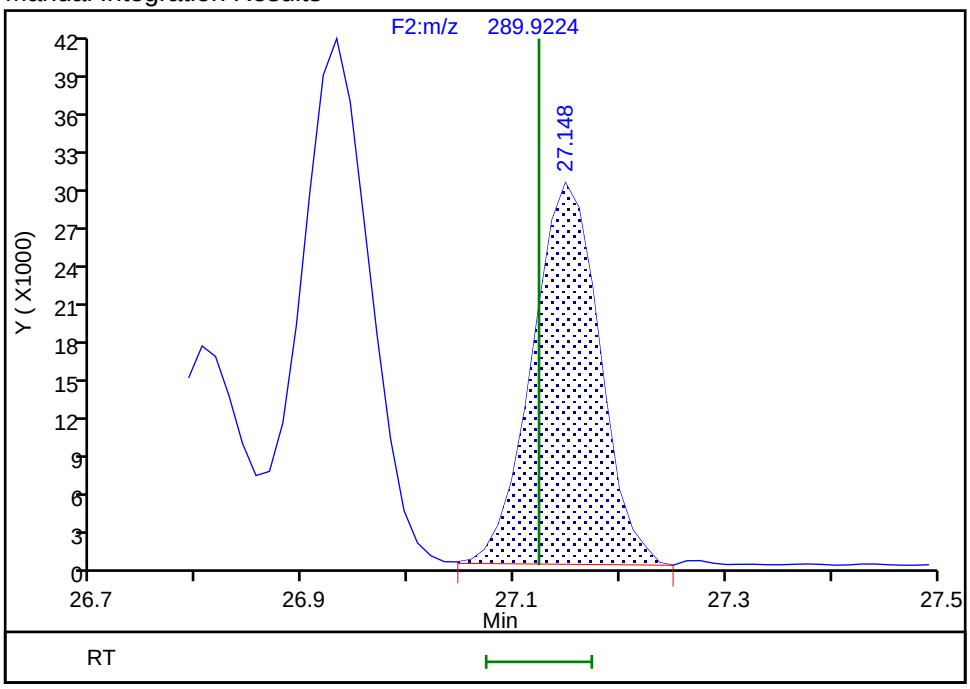
Not Detected
Expected RT: 27.12

Processing Integration Results




Manual Integration Results

RT: 27.15
Area: 134051
Amount: 8.805325
Amount Units: pg/ul

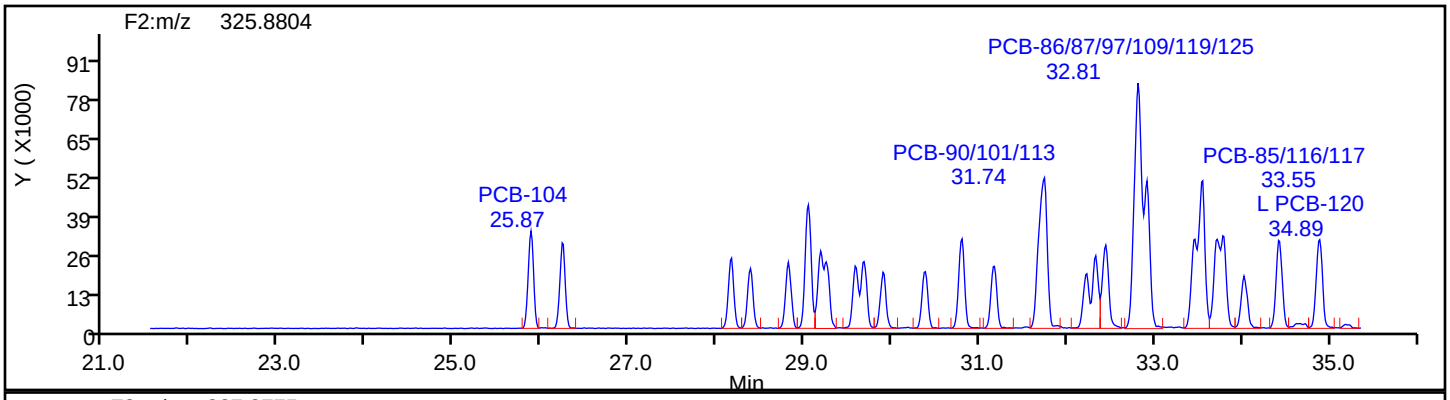


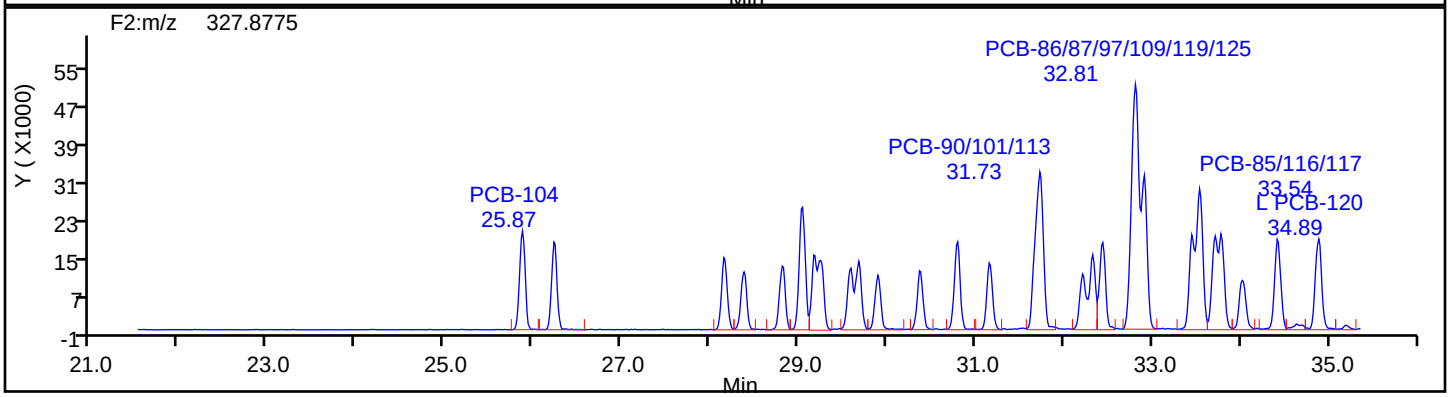

Reviewer: nordquistj, 03-Oct-2019 15:58:36
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

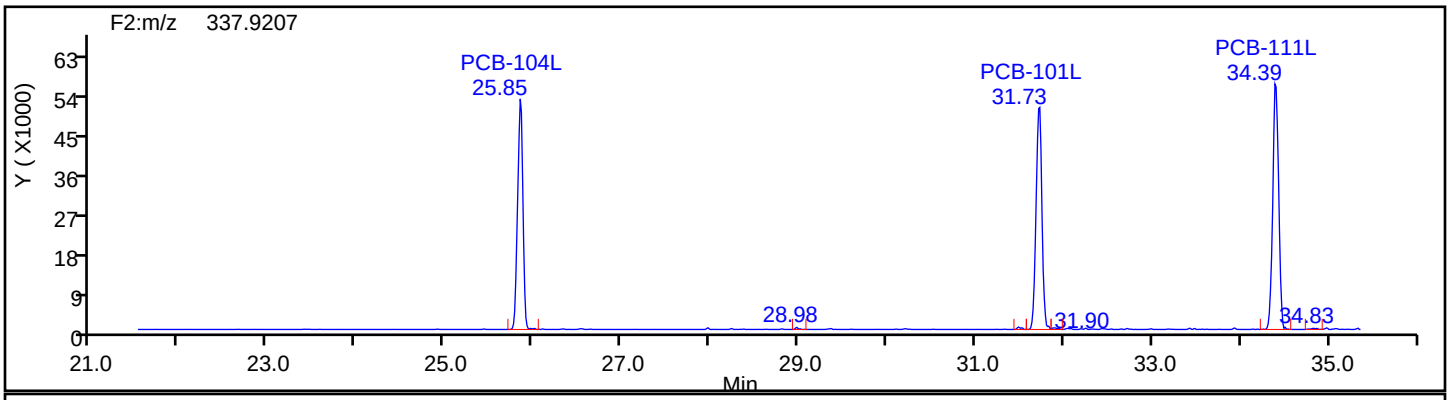
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

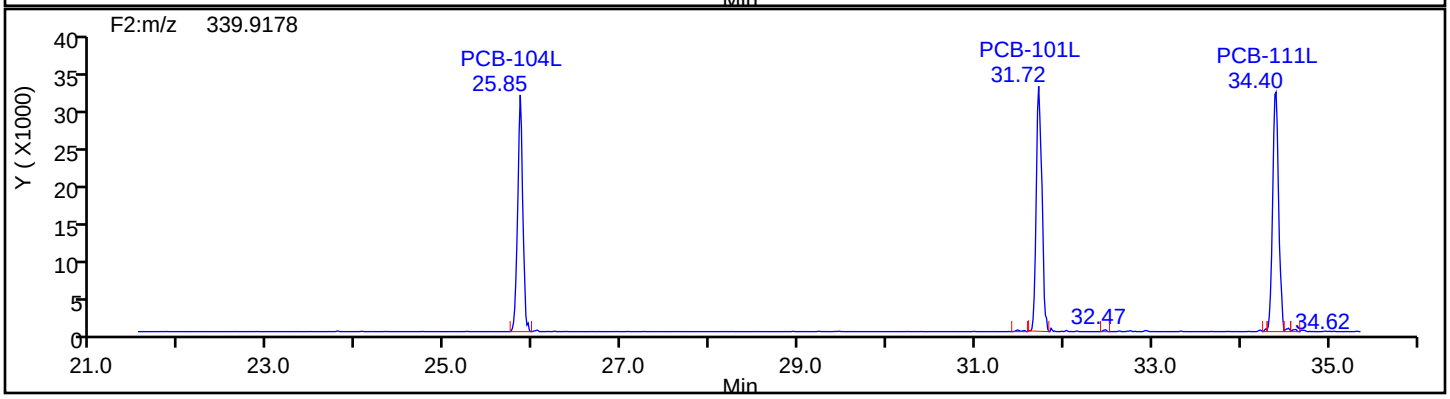
PePCB F2




PePCB F2 Standards

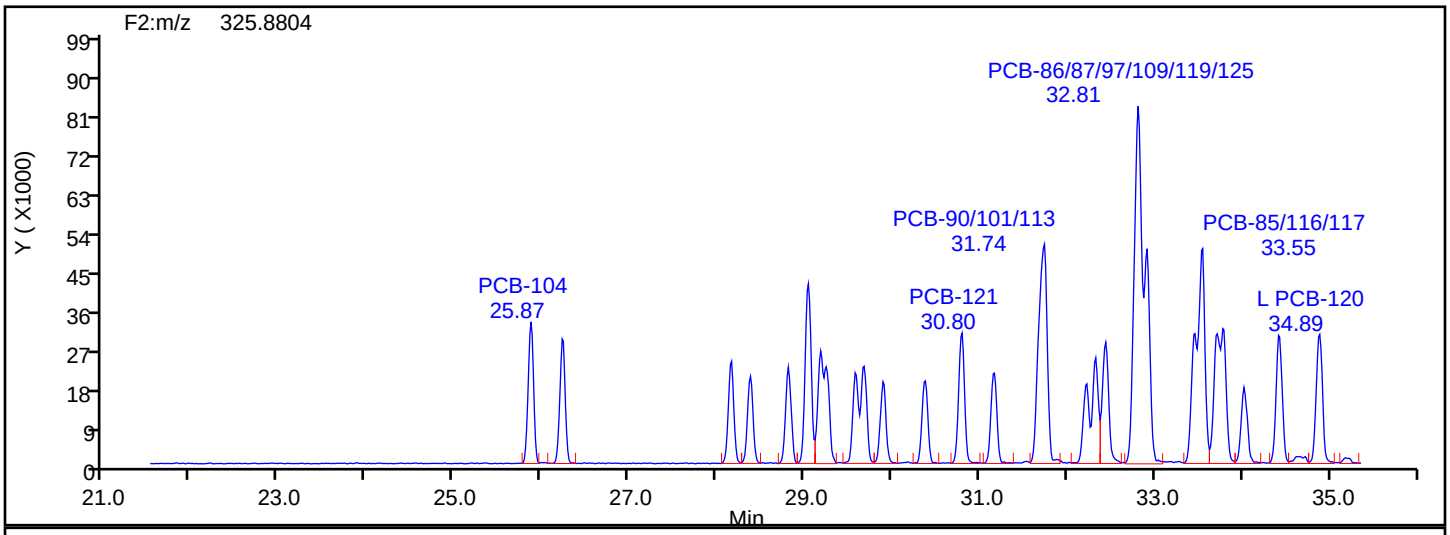


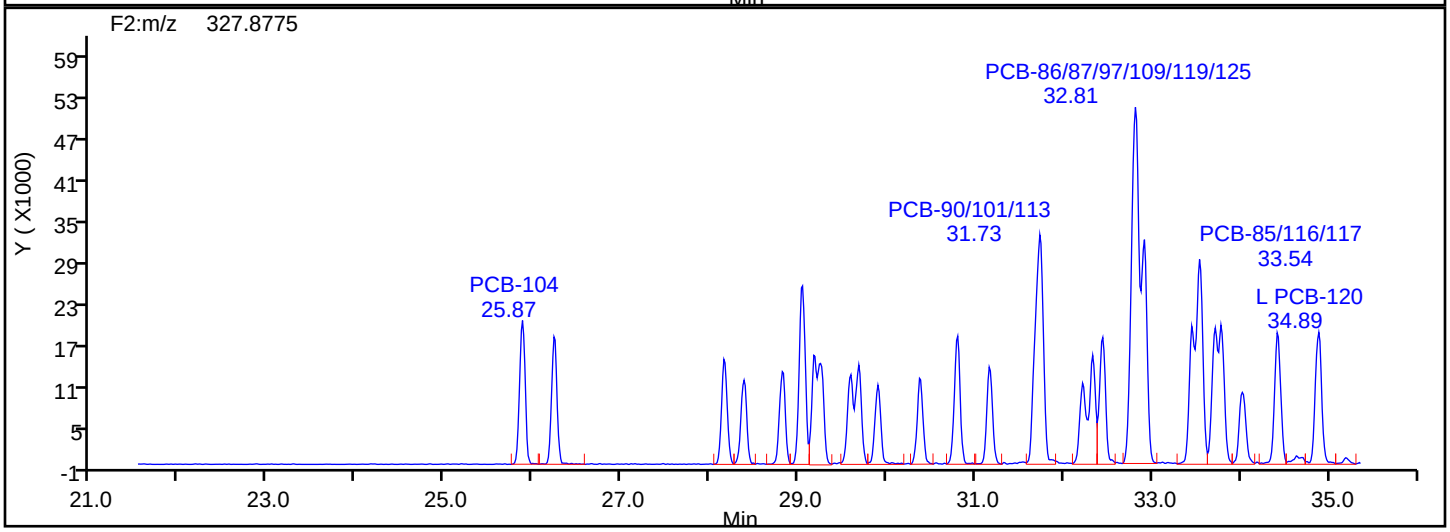



Eurofins TestAmerica, Knoxville

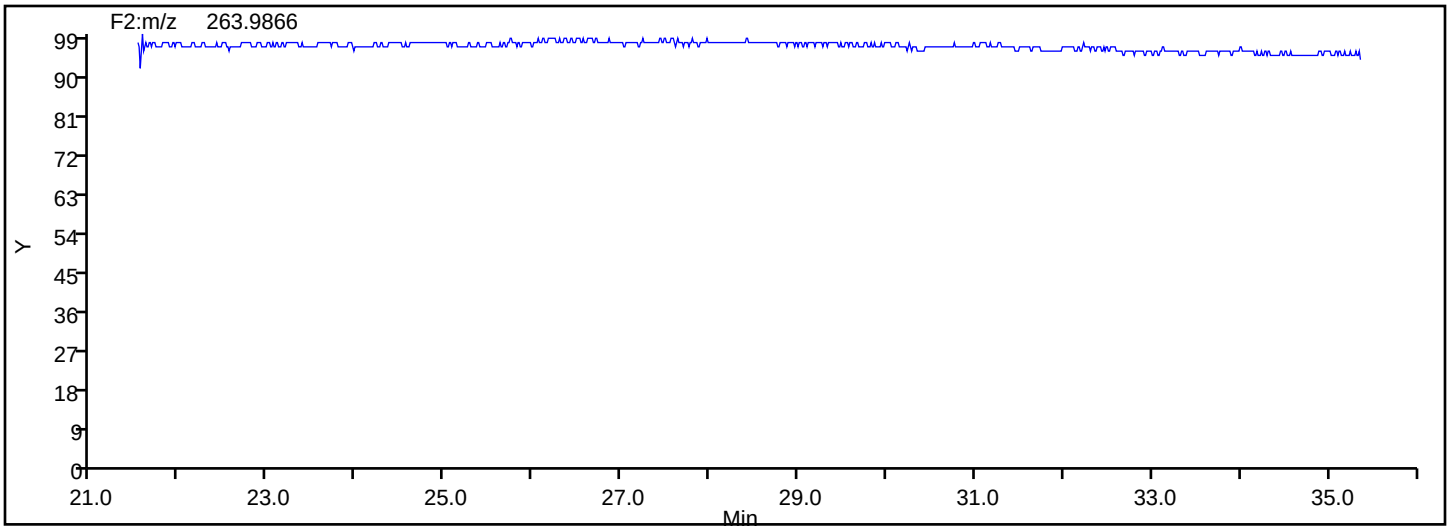
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

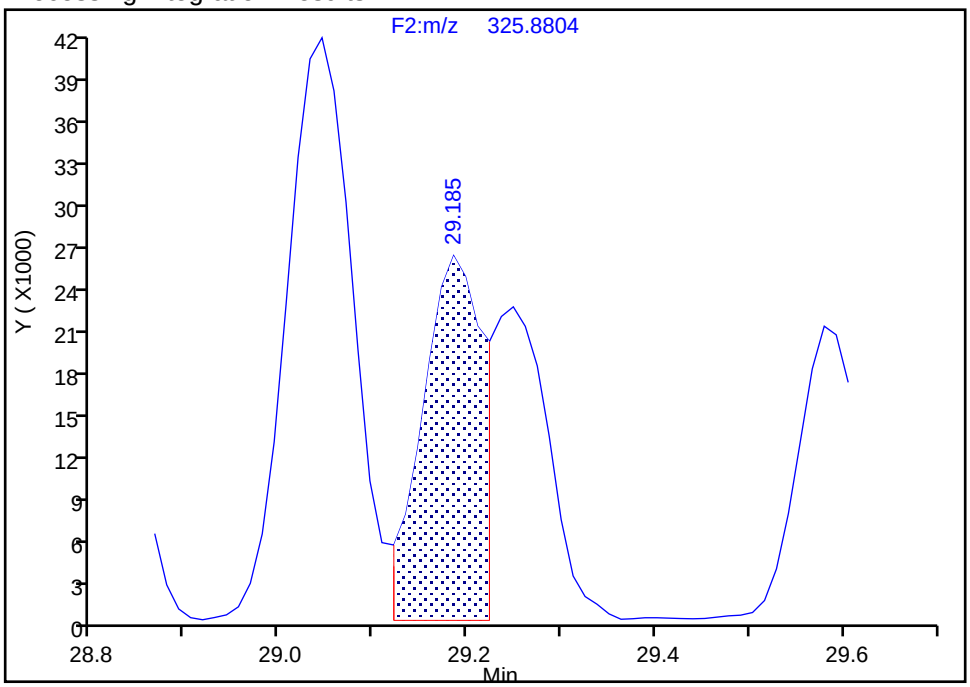
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 1

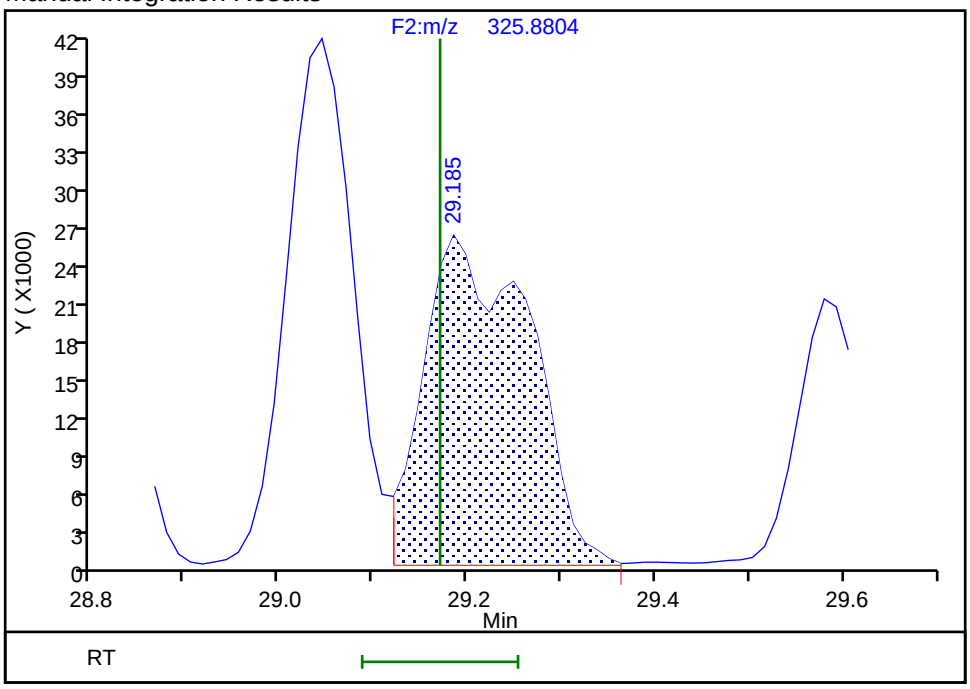
Processing Integration Results

RT: 29.19
Area: 111747
Amount: 9.908775
Amount Units: pg/ul




Manual Integration Results

RT: 29.19
Area: 204194
Amount: 19.368138
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:59:07

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

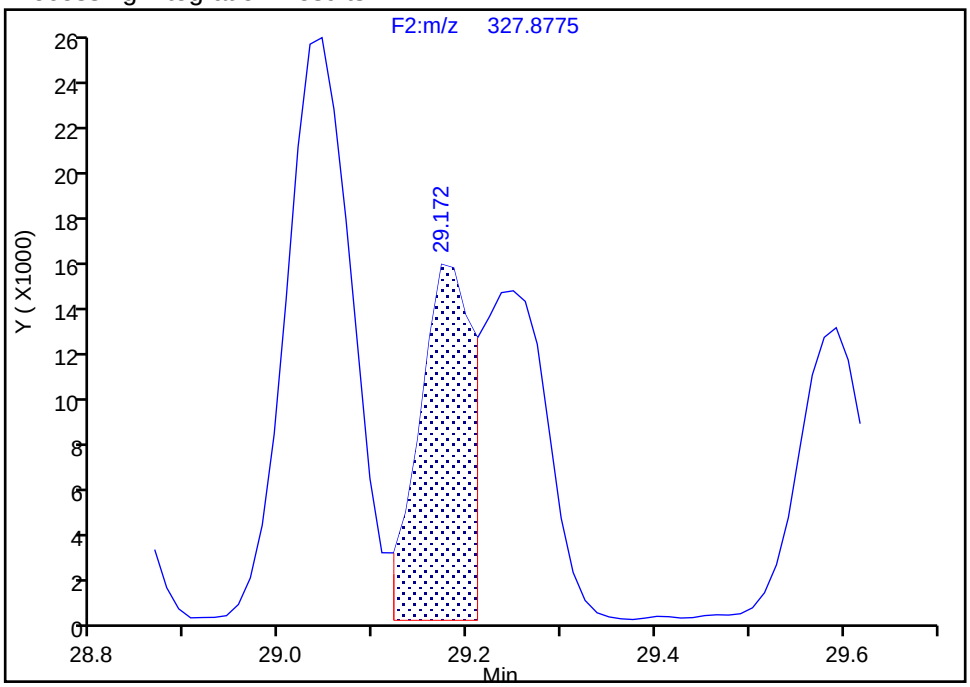
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 2

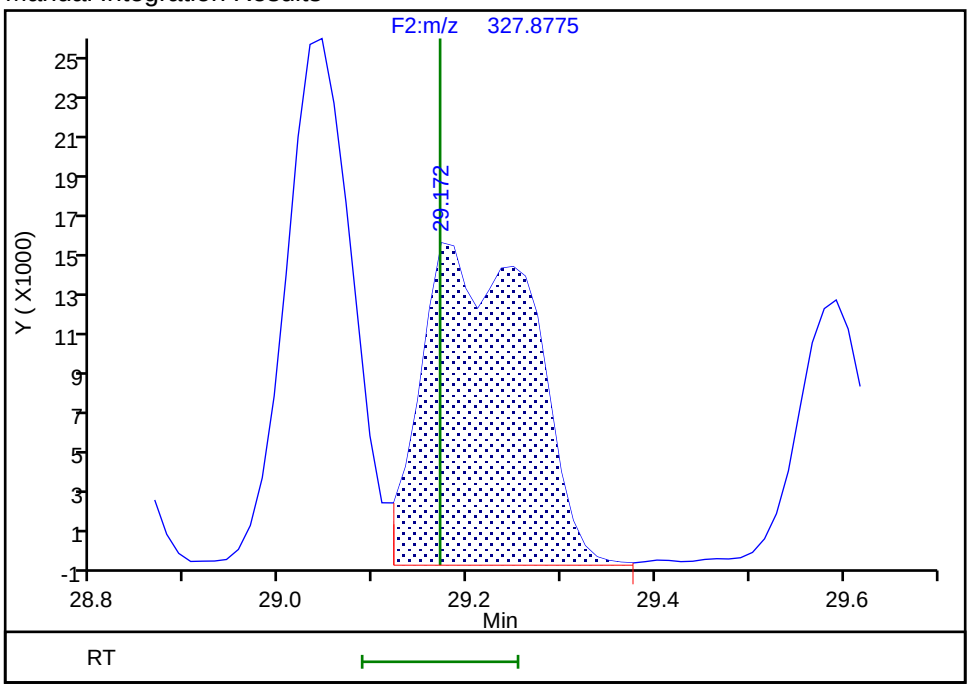
Processing Integration Results

RT: 29.17
Area: 59370
Amount: 9.908775
Amount Units: pg/ul




Manual Integration Results

RT: 29.17
Area: 130279
Amount: 19.368138
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:59:16

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

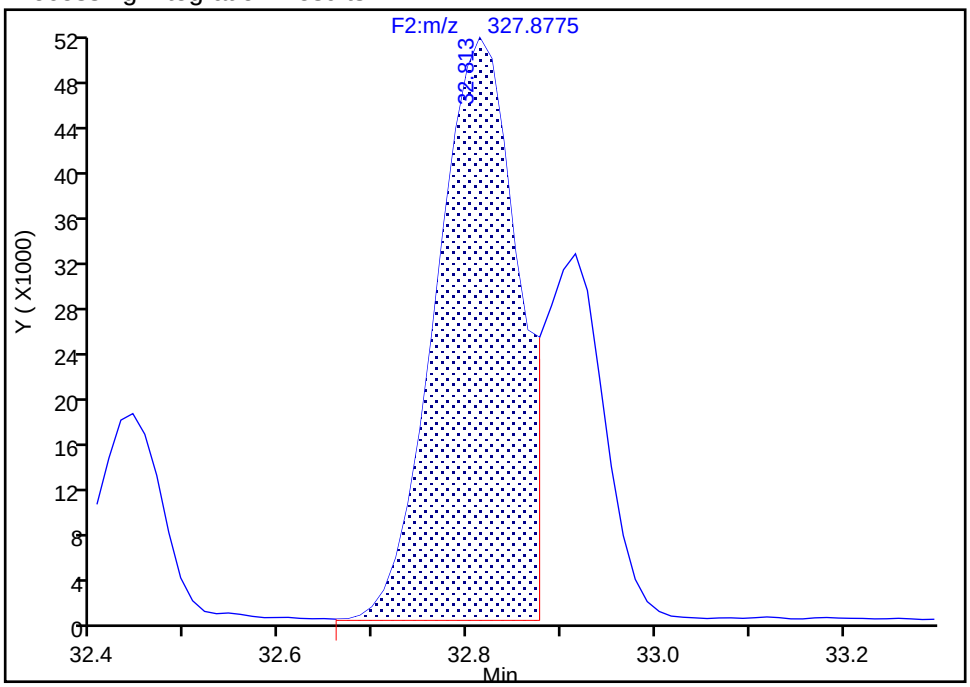
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

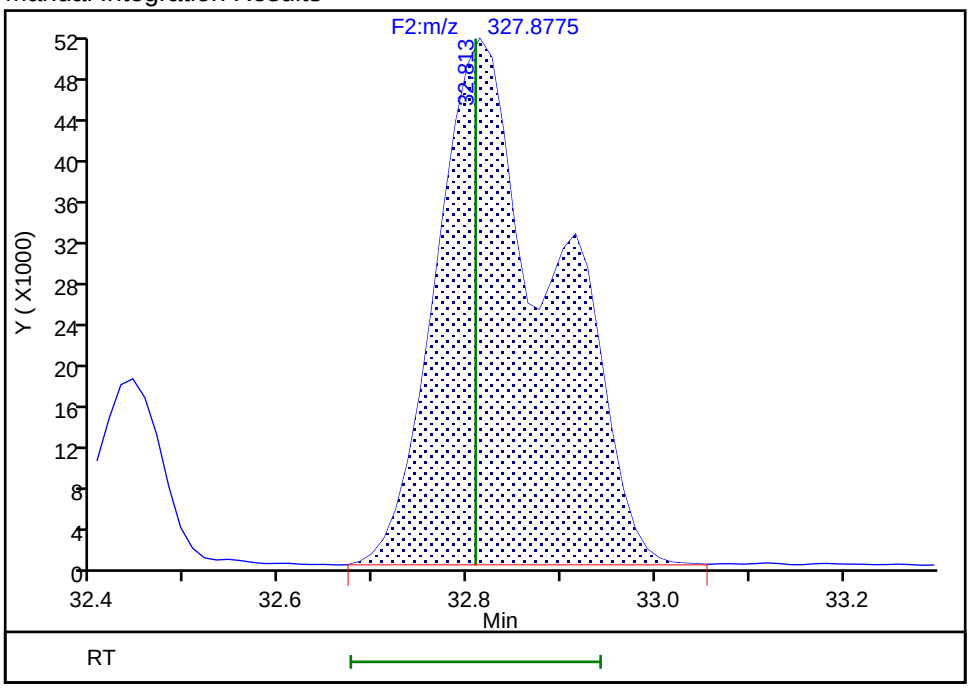
Processing Integration Results

RT: 32.81
Area: 308631
Amount: 38.056038
Amount Units: pg/ul




Manual Integration Results

RT: 32.81
Area: 445386
Amount: 55.305117
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:59:42

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

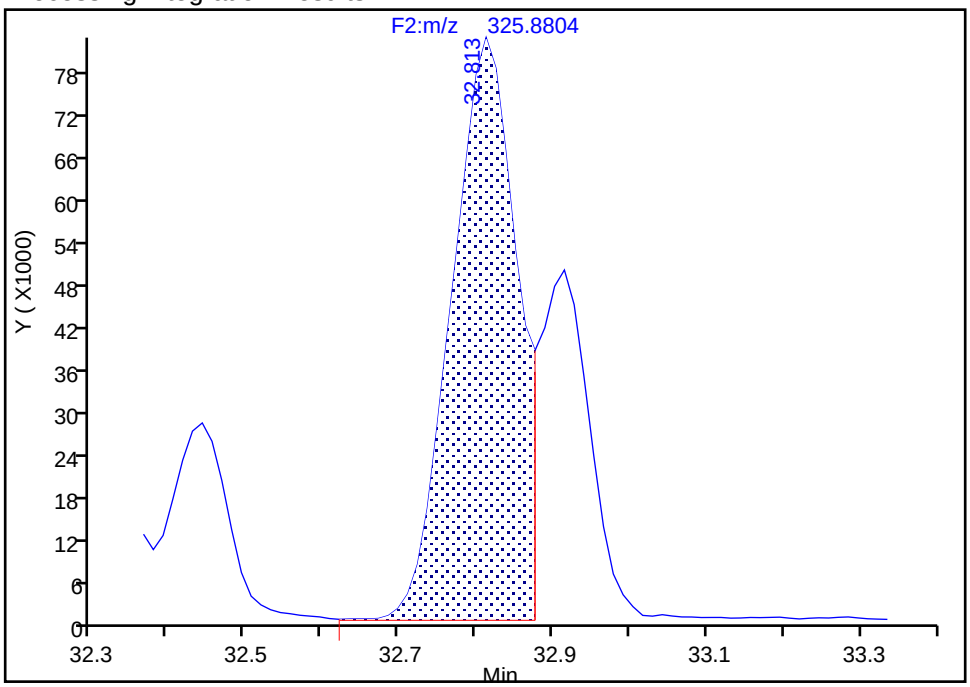
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

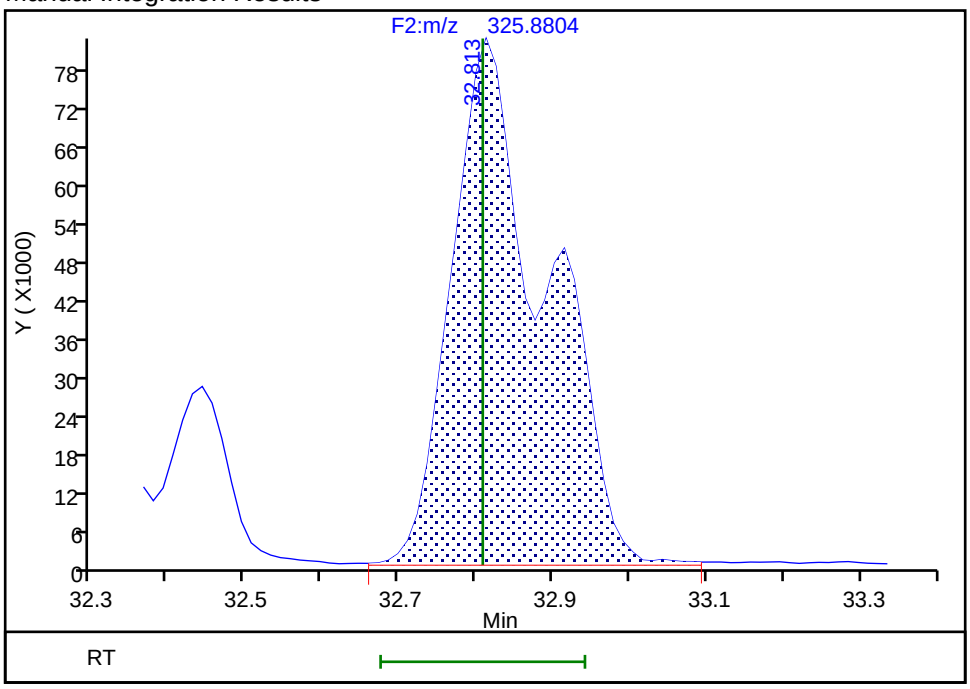
Processing Integration Results

RT: 32.81
Area: 486123
Amount: 38.056038
Amount Units: pg/ul




Manual Integration Results

RT: 32.81
Area: 709594
Amount: 55.305117
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 15:59:45

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

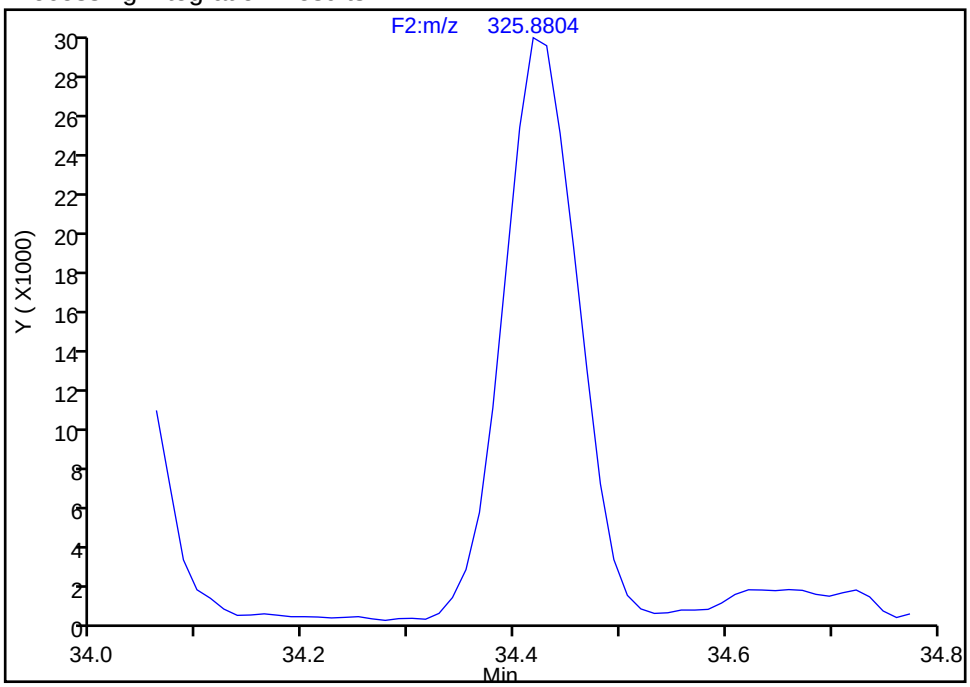
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-111, CAS: 39635-32-0

Signal: 1

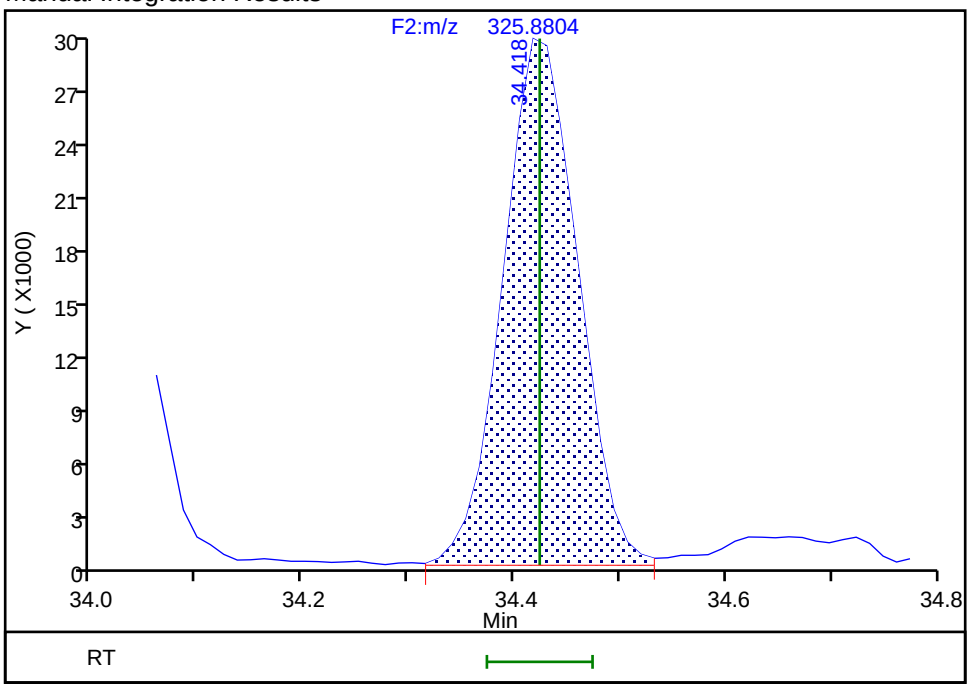
Not Detected
Expected RT: 34.42

Processing Integration Results




Manual Integration Results

RT: 34.42
Area: 146209
Amount: 9.629622
Amount Units: pg/ul

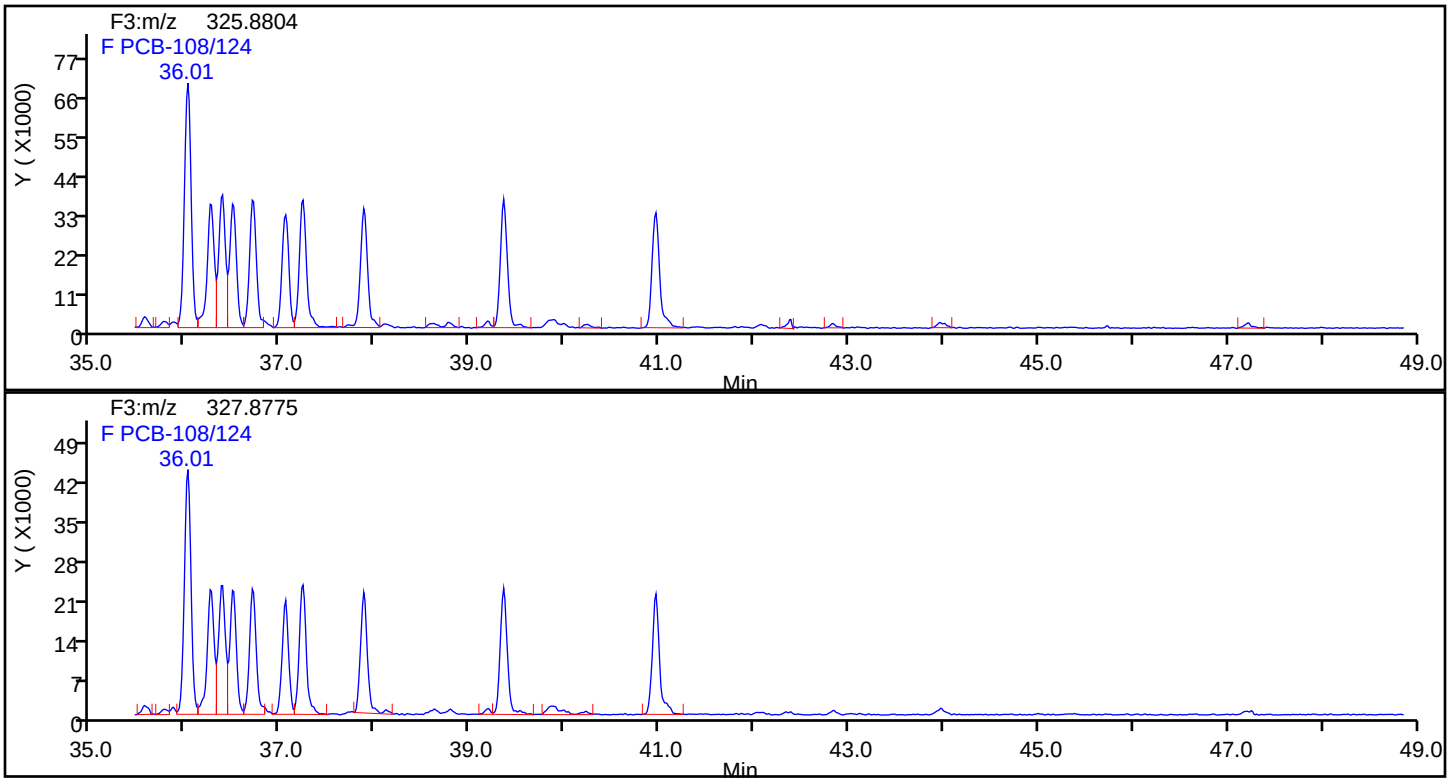



Reviewer: nordquistj, 03-Oct-2019 15:59:54
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

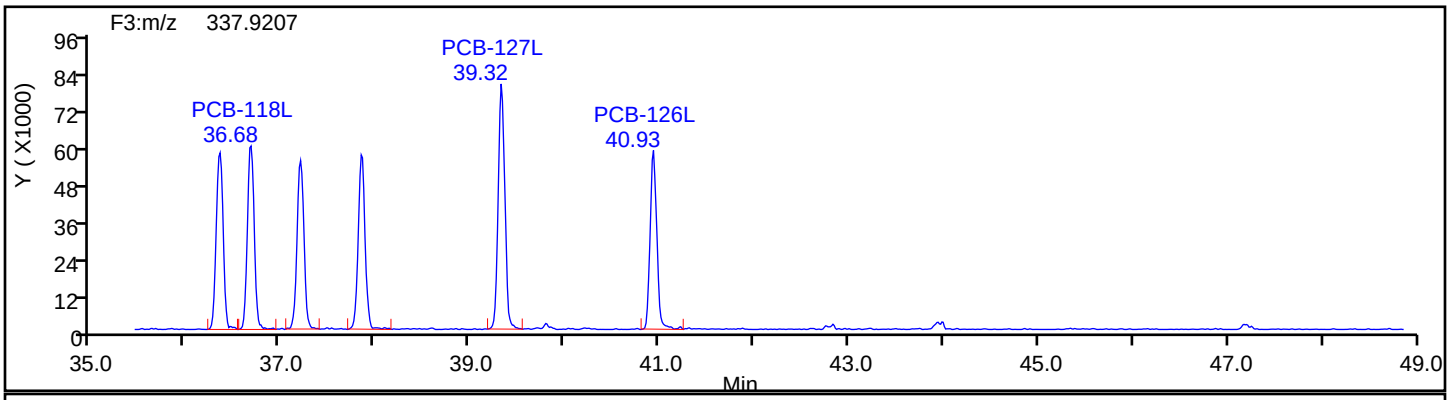
PePCB F3

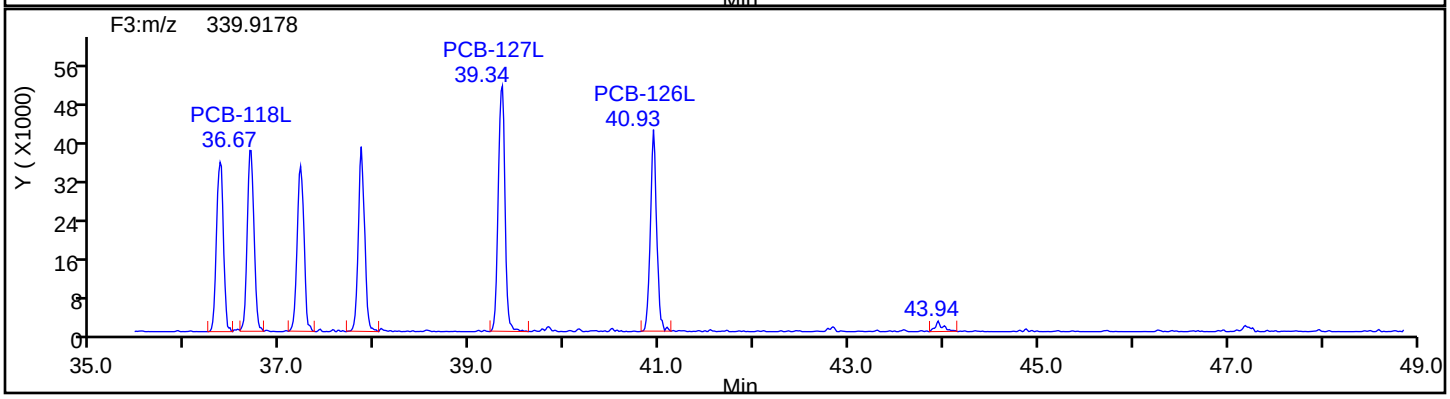






PePCB F3 Standards

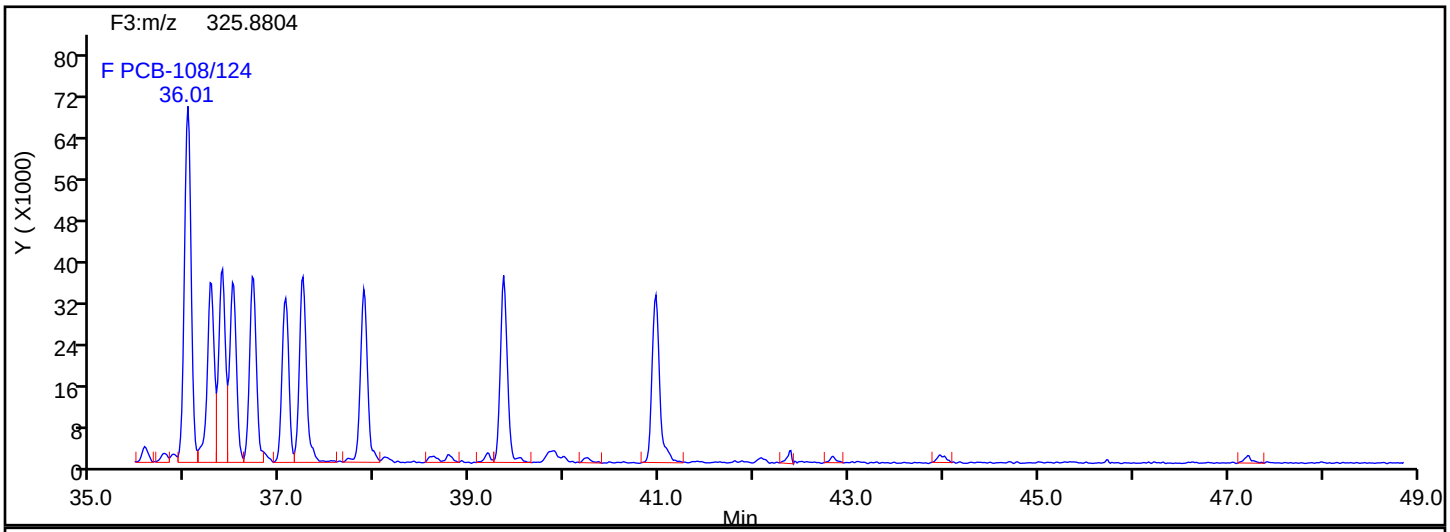


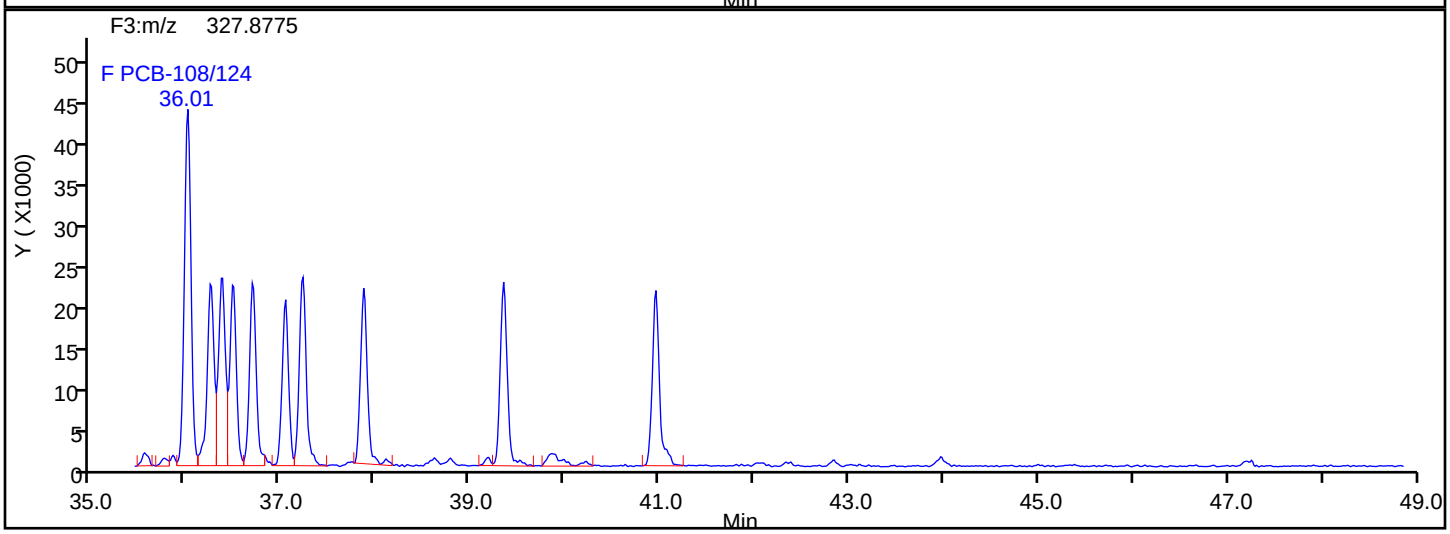



Eurofins TestAmerica, Knoxville

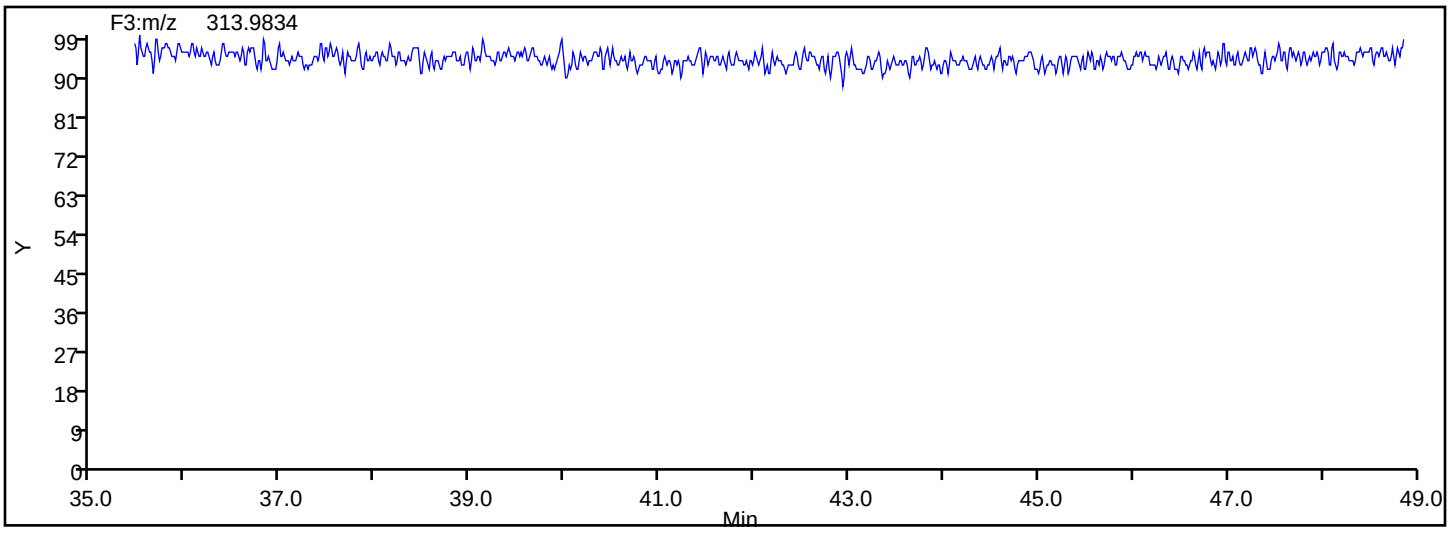
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3




PePCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

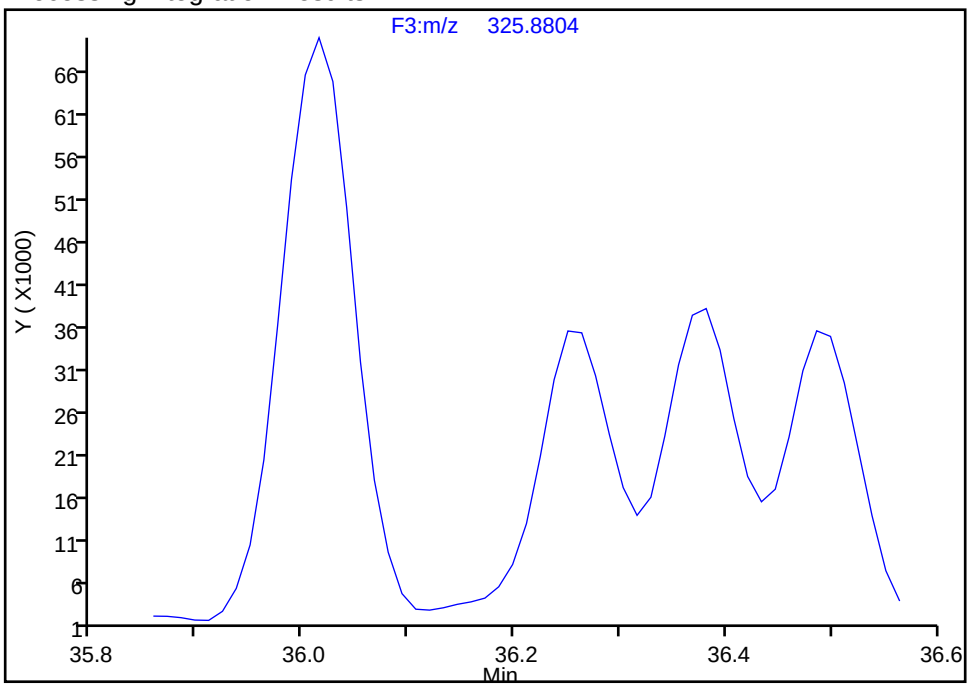
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-107, CAS: 70424-68-9

Signal: 1

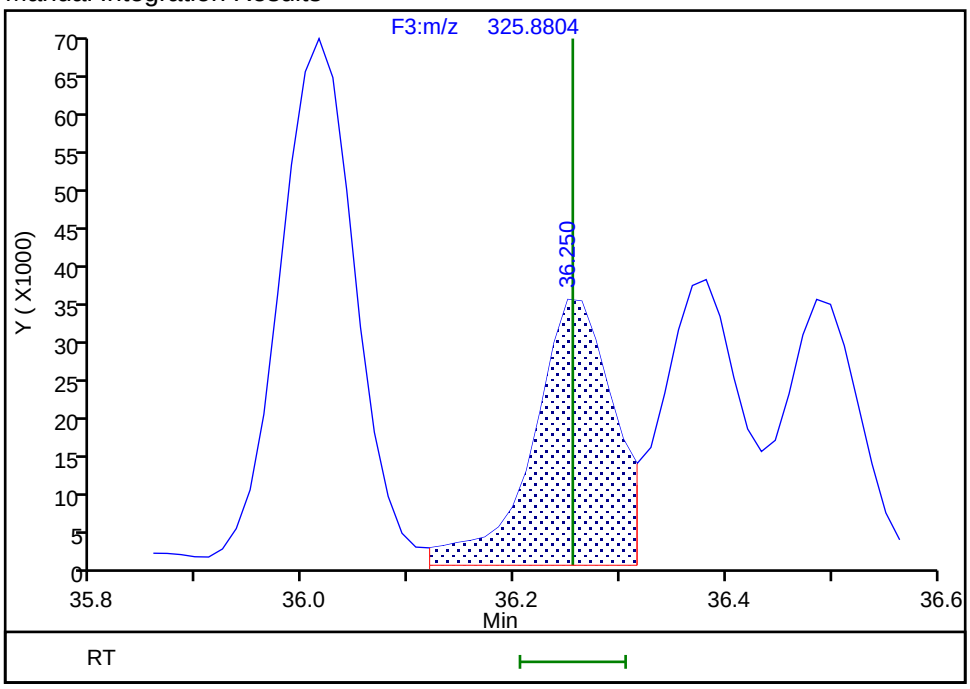
Not Detected
Expected RT: 36.26

Processing Integration Results




Manual Integration Results

RT: 36.25
Area: 182668
Amount: 9.284143
Amount Units: pg/ul

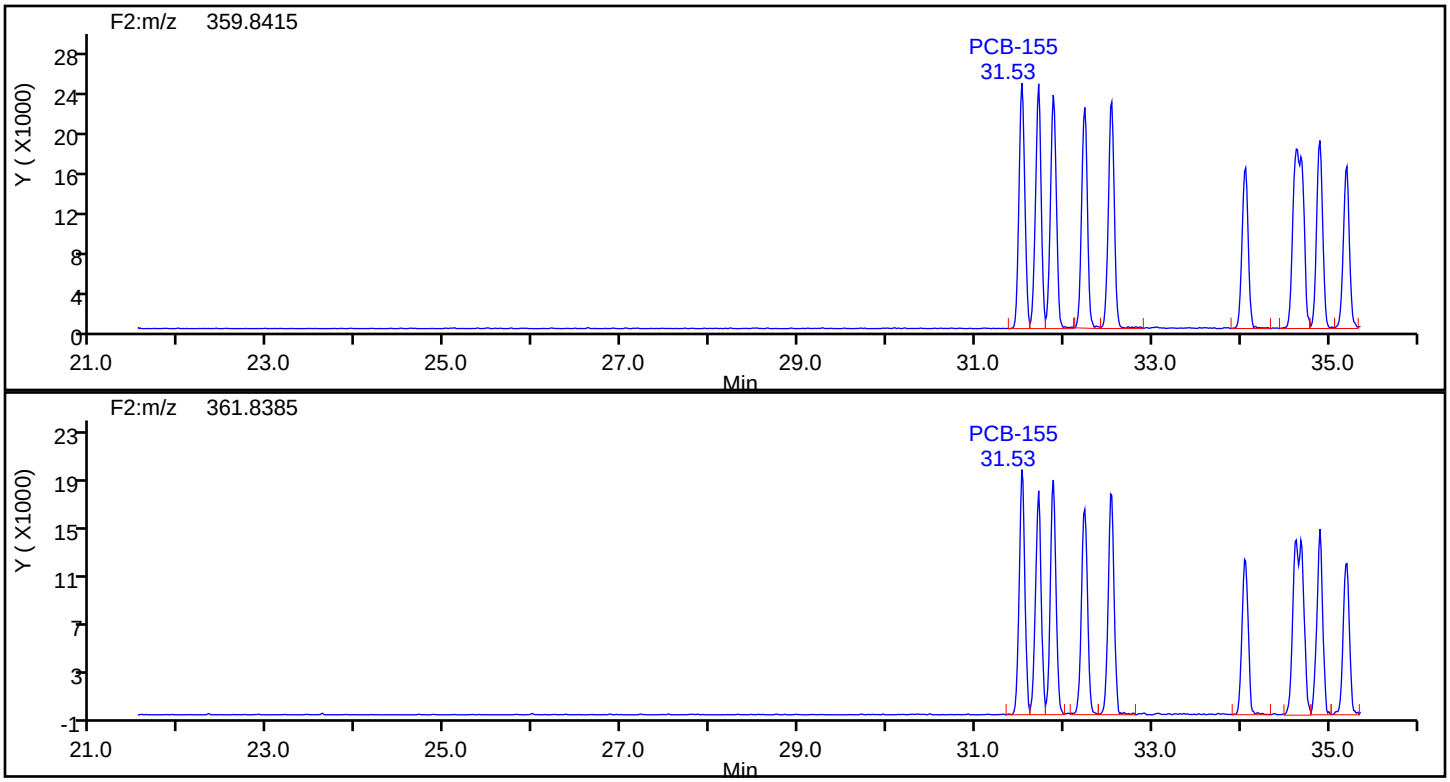



Reviewer: nordquistj, 03-Oct-2019 16:00:00
Audit Action: Assigned Compound ID Audit Reason: Split Peak

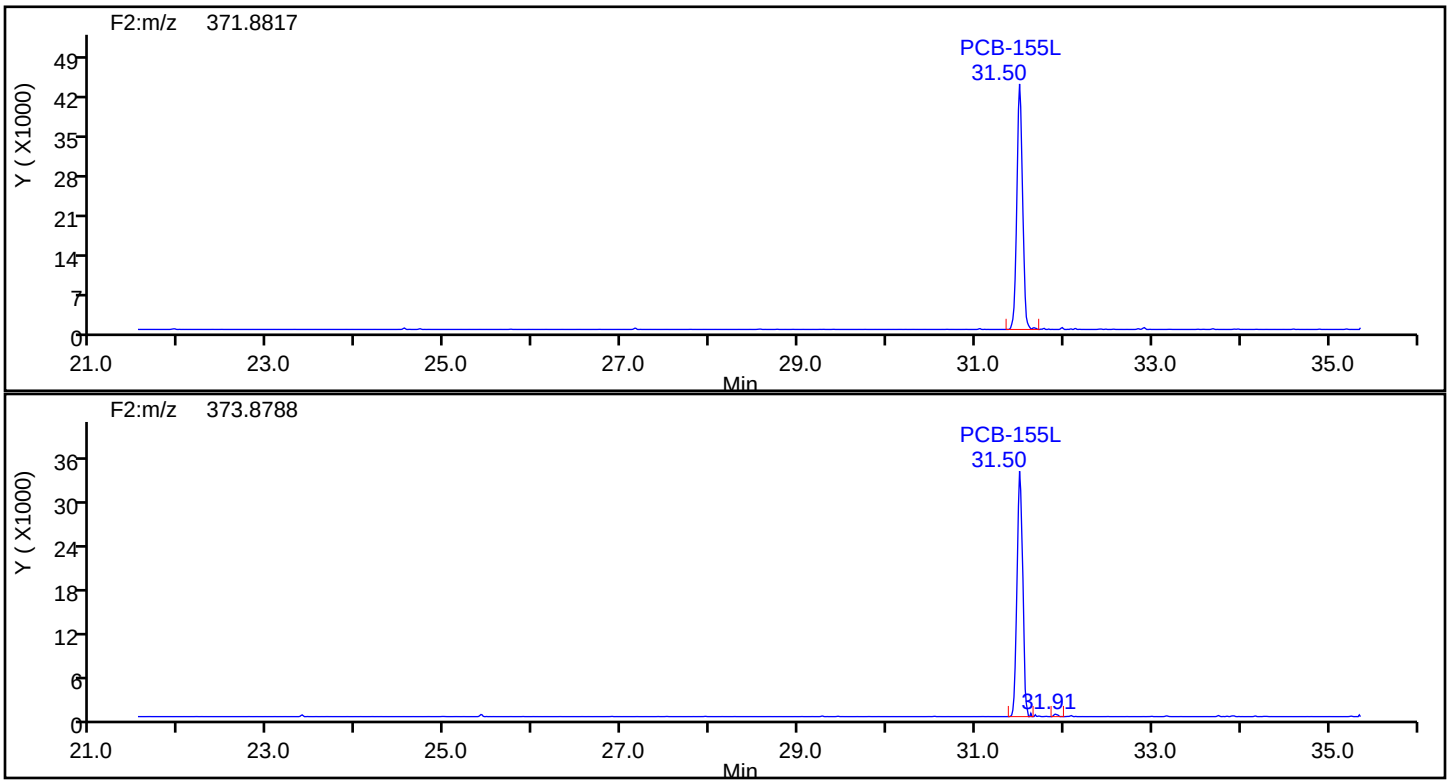
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2



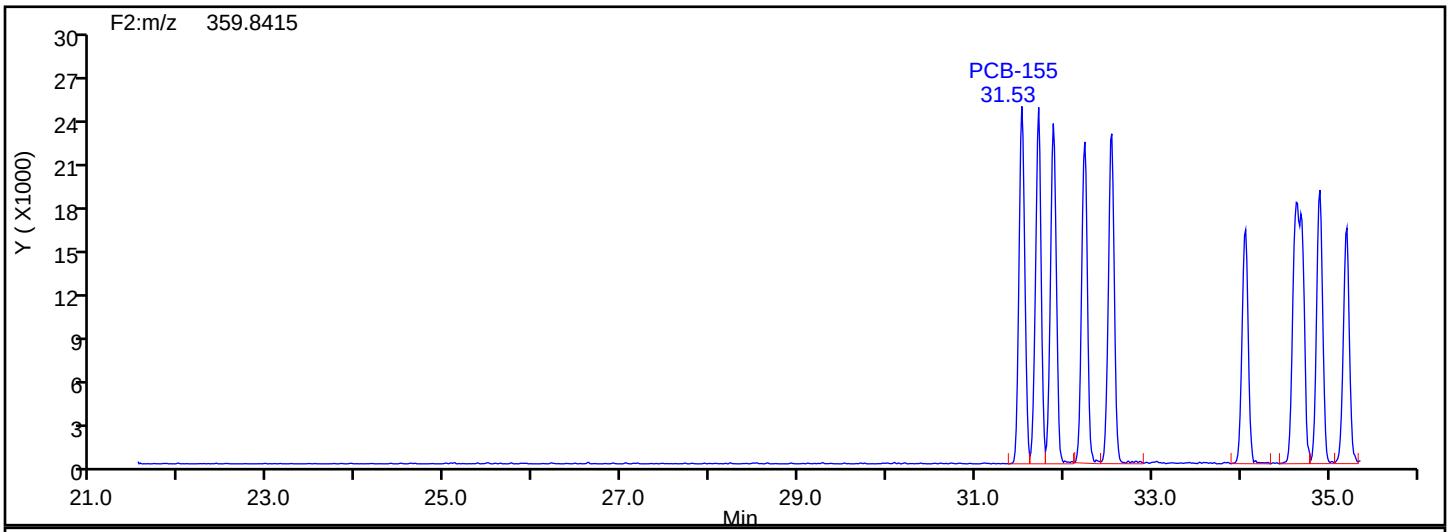

HxPCB F2 Standards

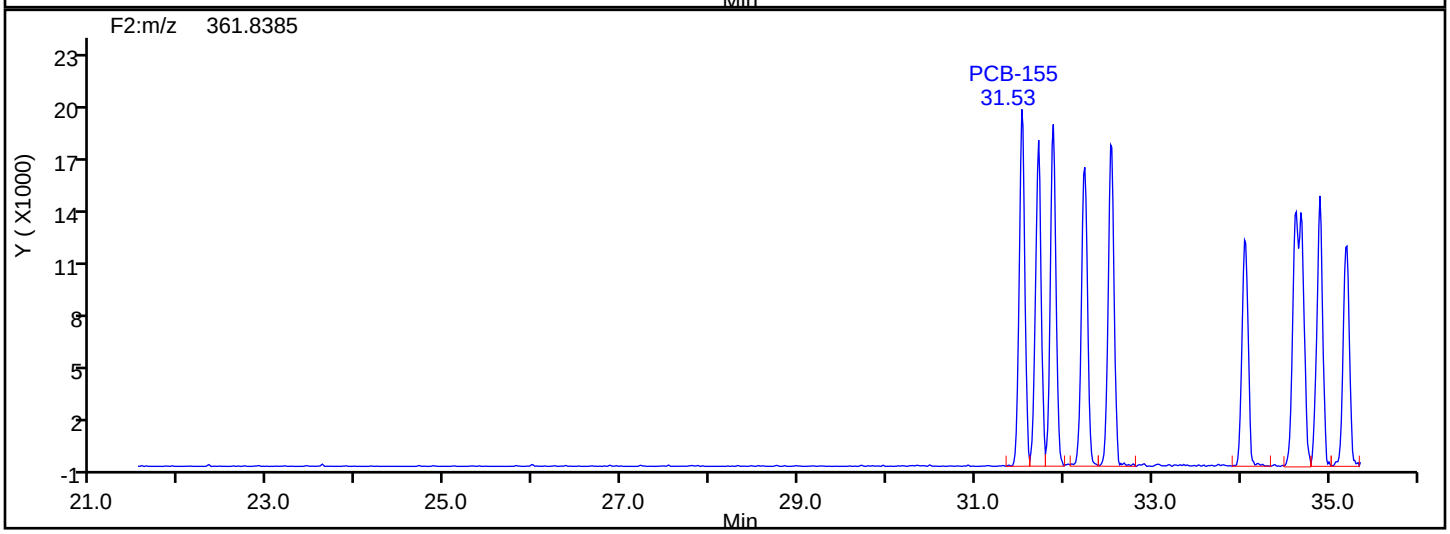


Eurofins TestAmerica, Knoxville

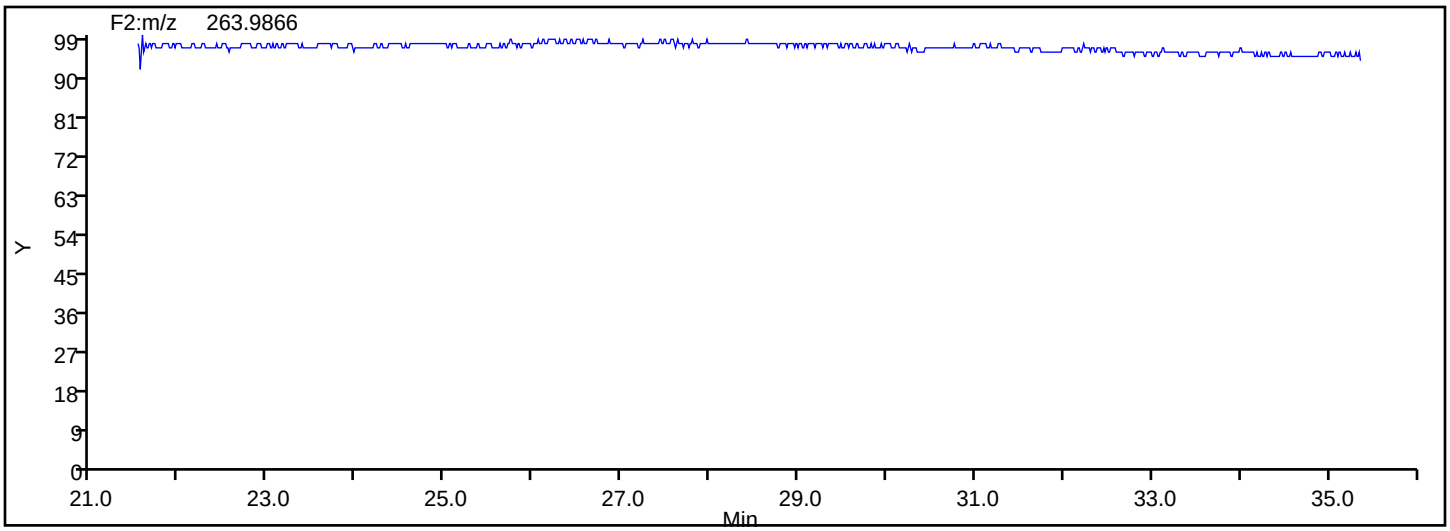
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

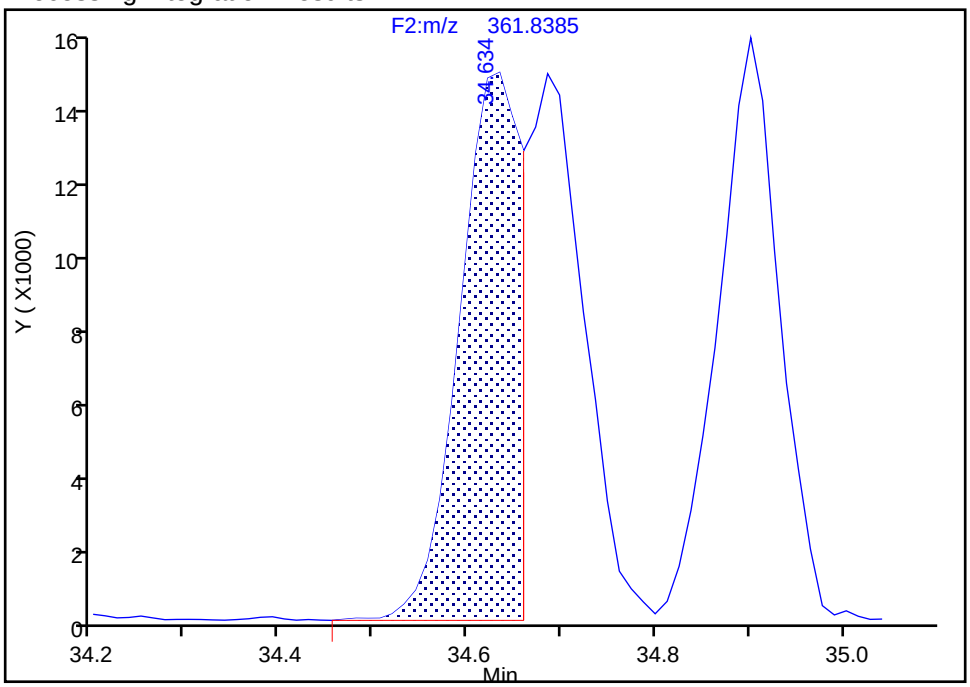
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 2

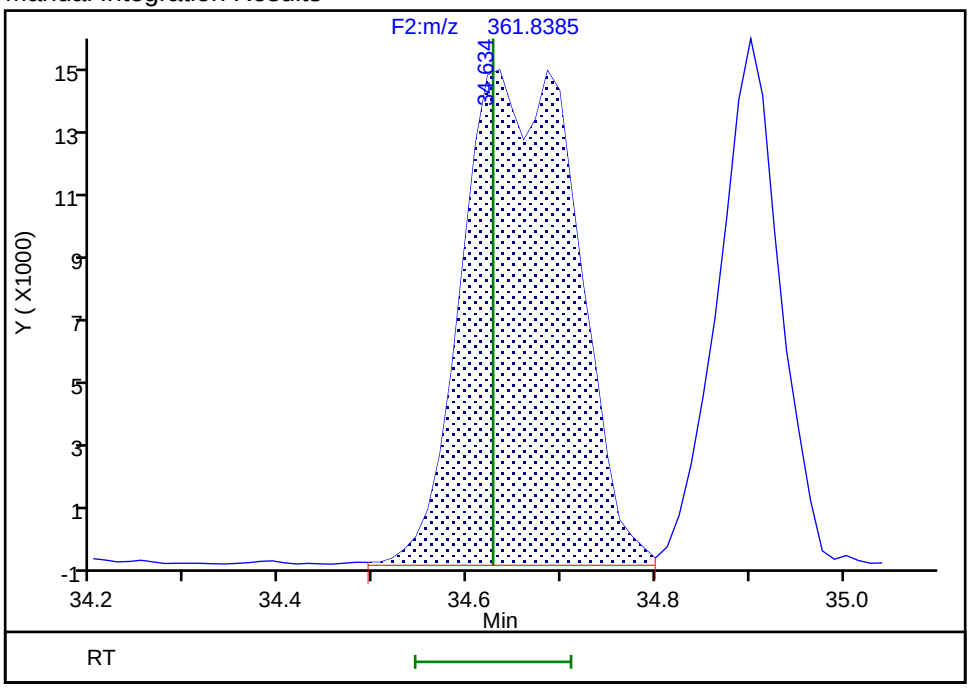
Processing Integration Results

RT: 34.63
Area: 61487
Amount: 14.010462
Amount Units: pg/ul




Manual Integration Results

RT: 34.63
Area: 120860
Amount: 17.907832
Amount Units: pg/ul



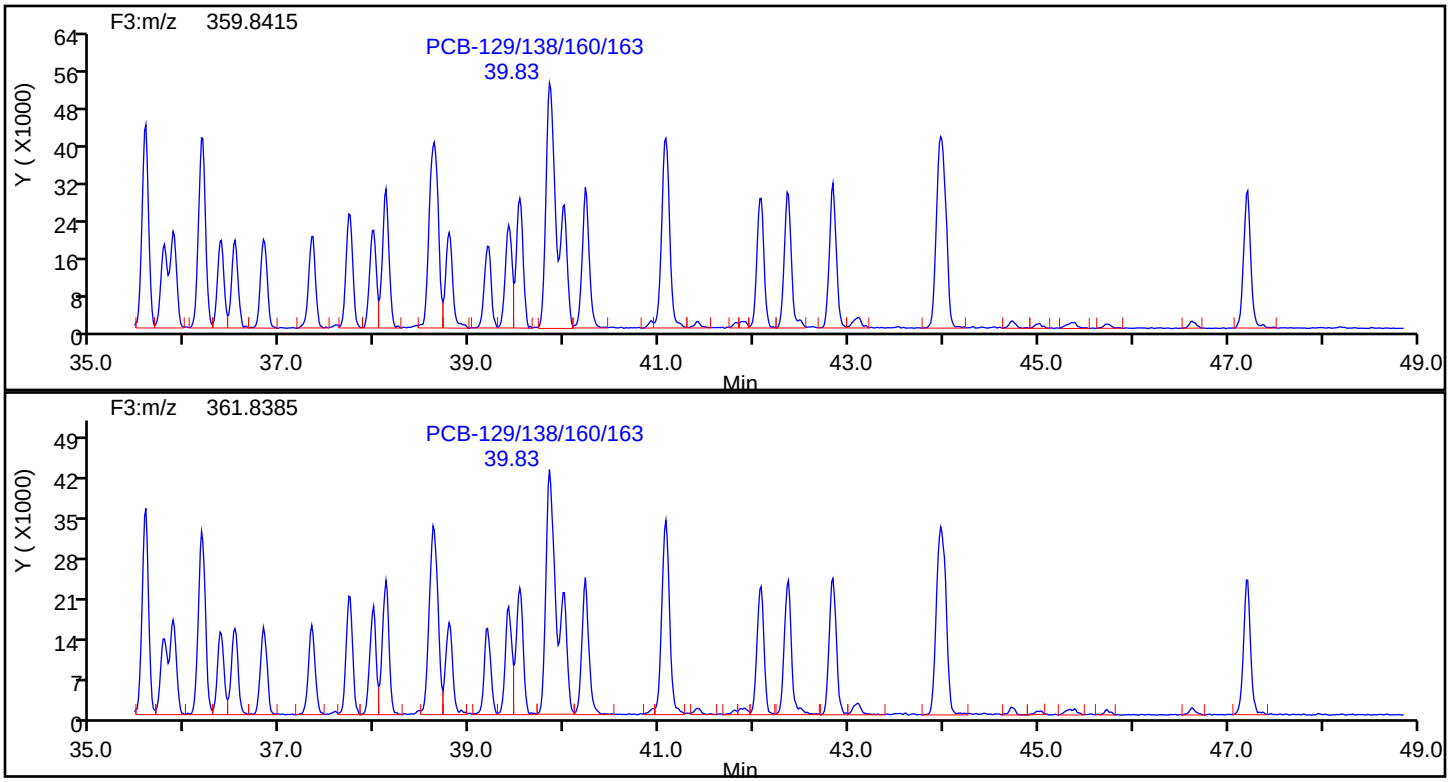

Reviewer: nordquistj, 03-Oct-2019 16:00:33

Audit Action: Manually Integrated Audit Reason: Split Peak

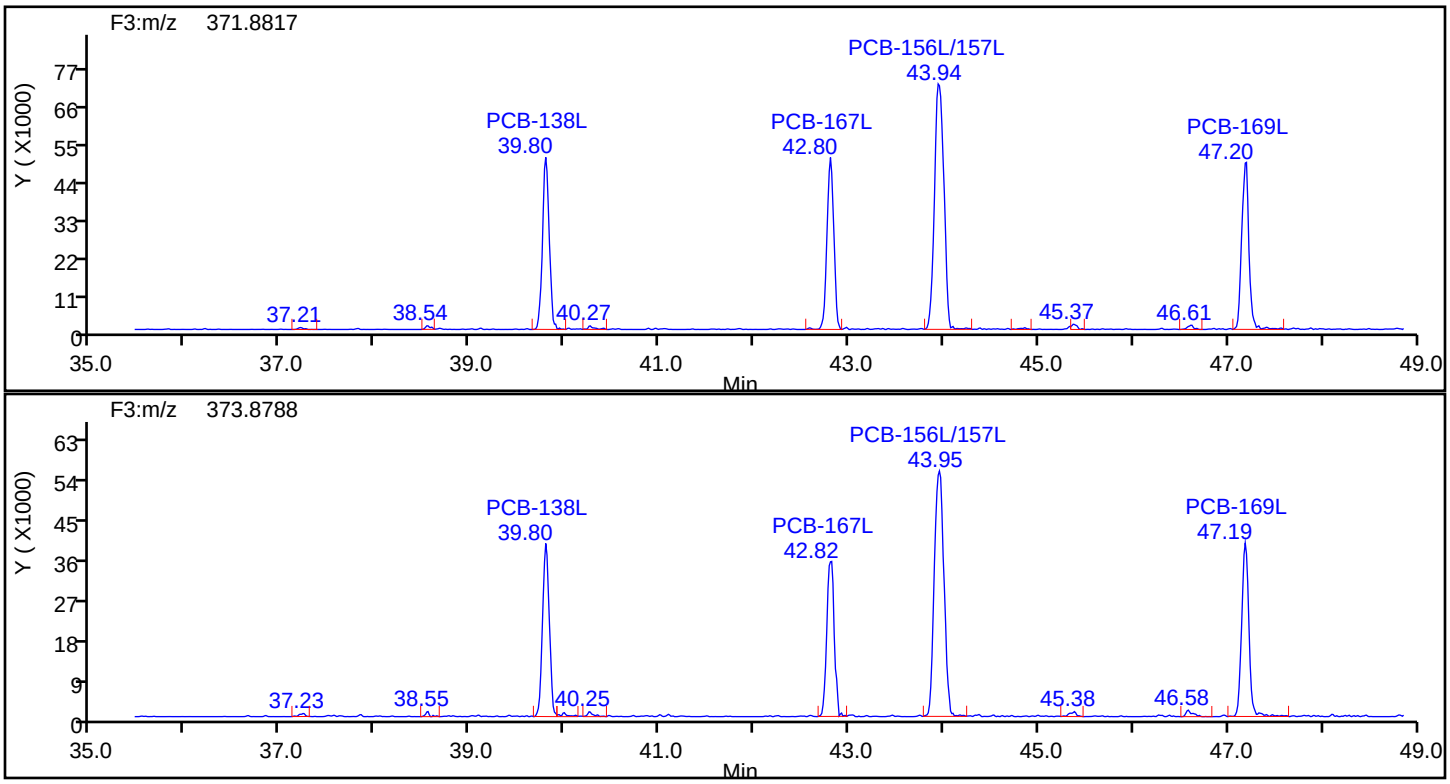
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3



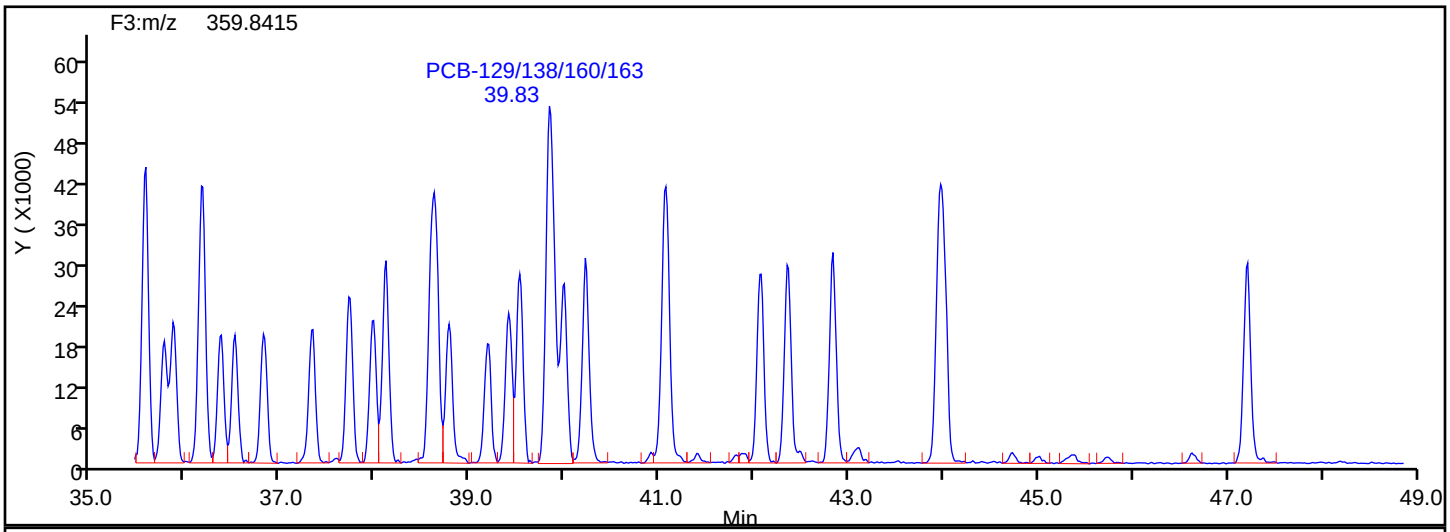

HxPCB F3 Standards

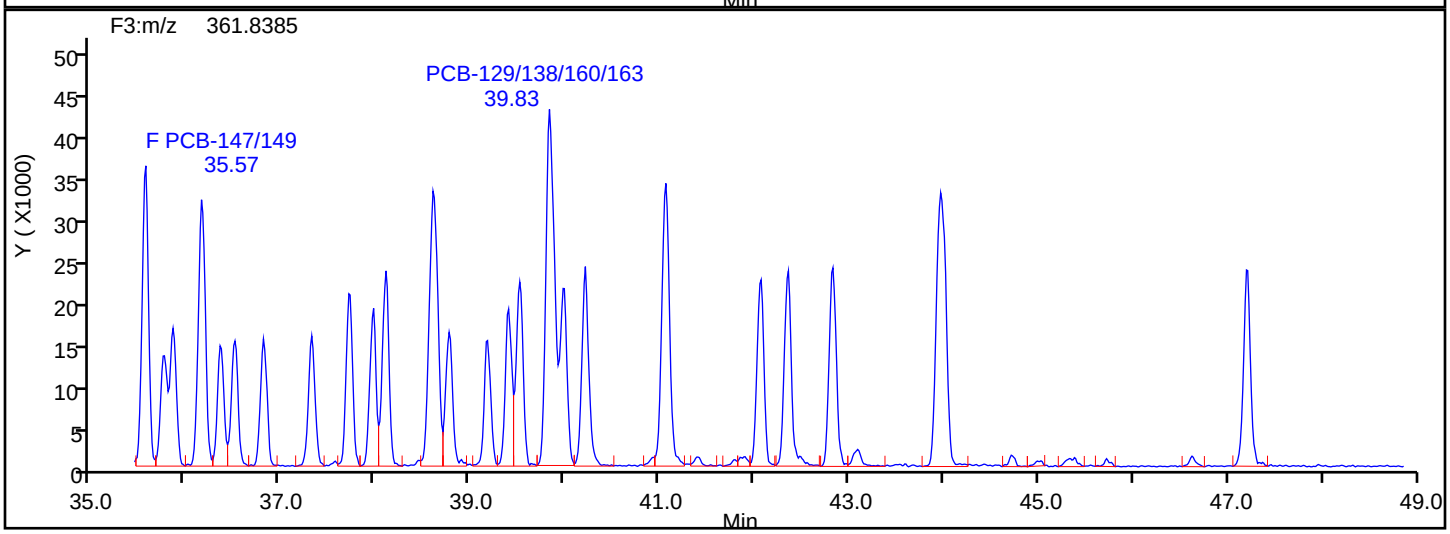


Eurofins TestAmerica, Knoxville

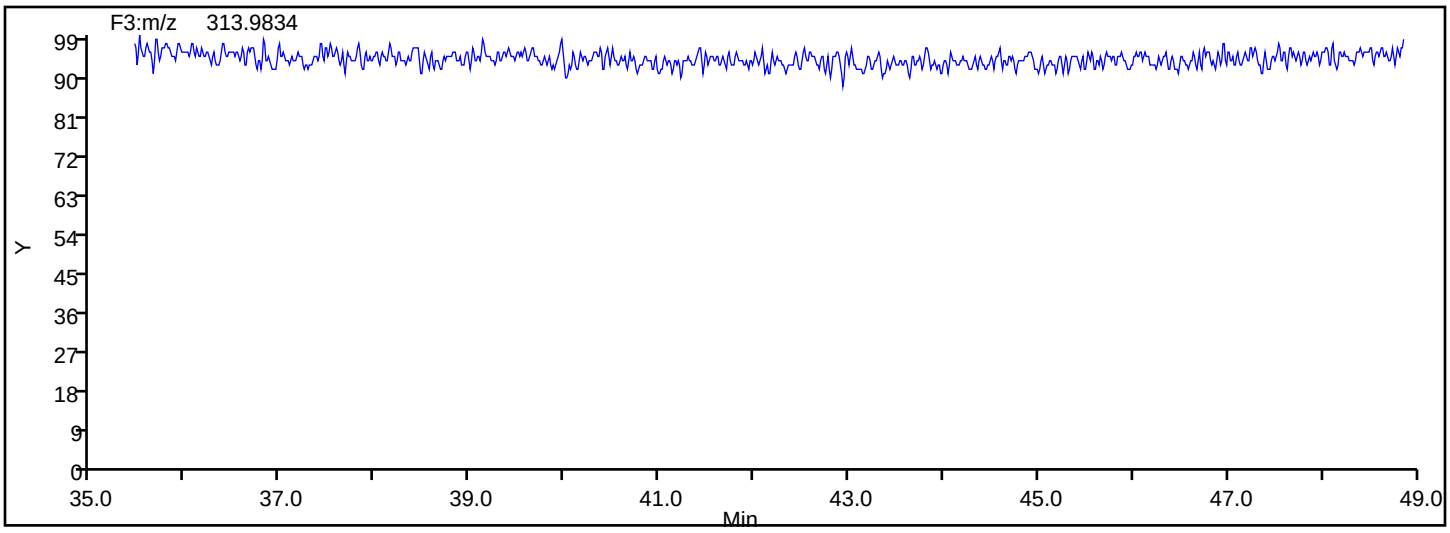
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

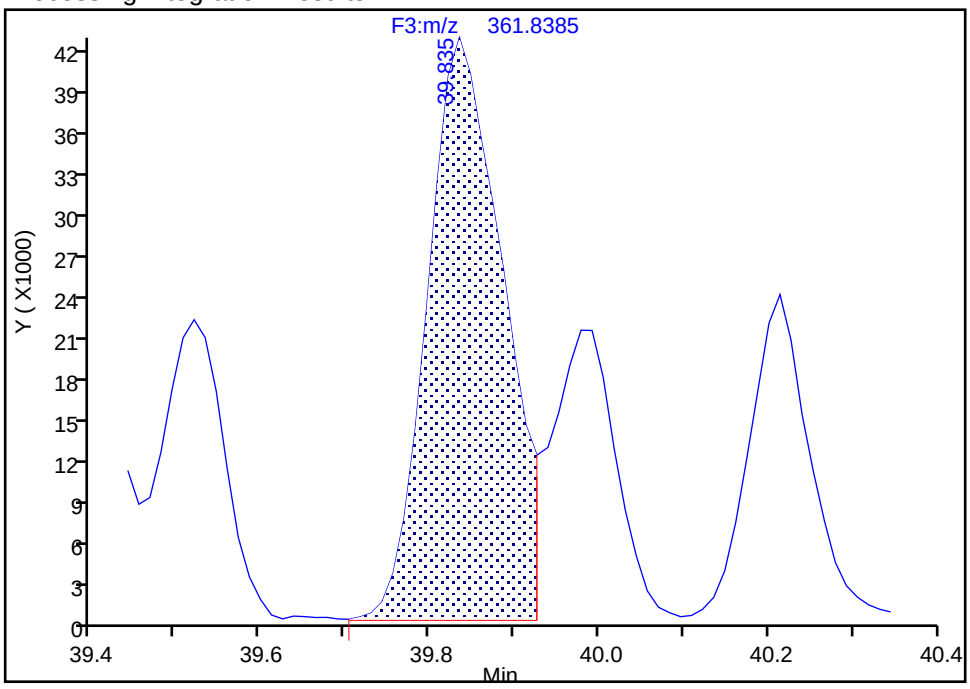
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

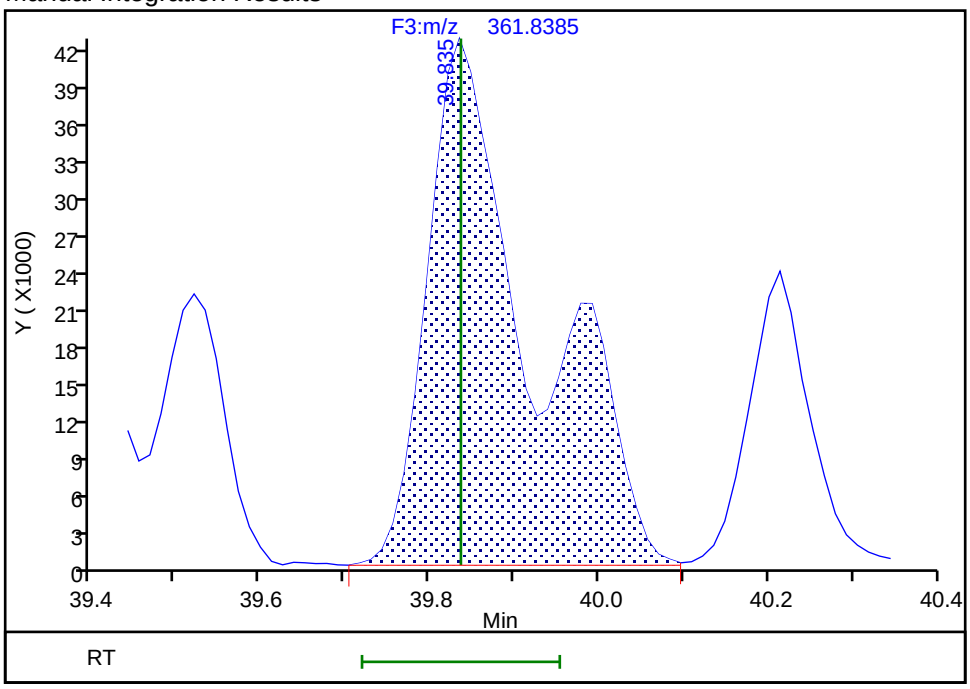
Processing Integration Results

RT: 39.83
Area: 262223
Amount: 24.007592
Amount Units: pg/ul




Manual Integration Results

RT: 39.83
Area: 371537
Amount: 34.137275
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:01:06

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

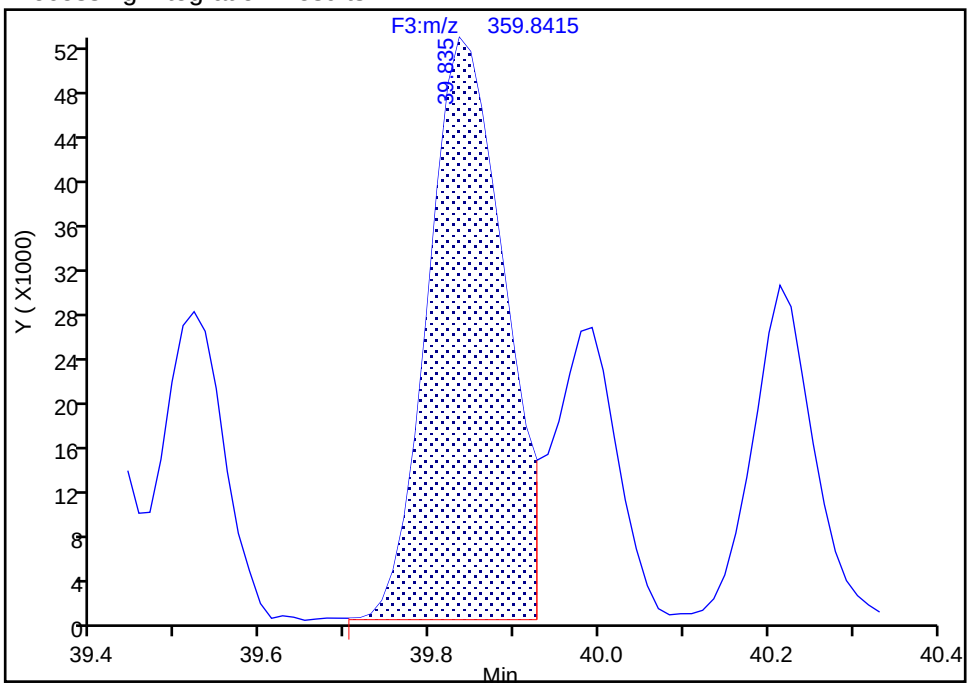
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

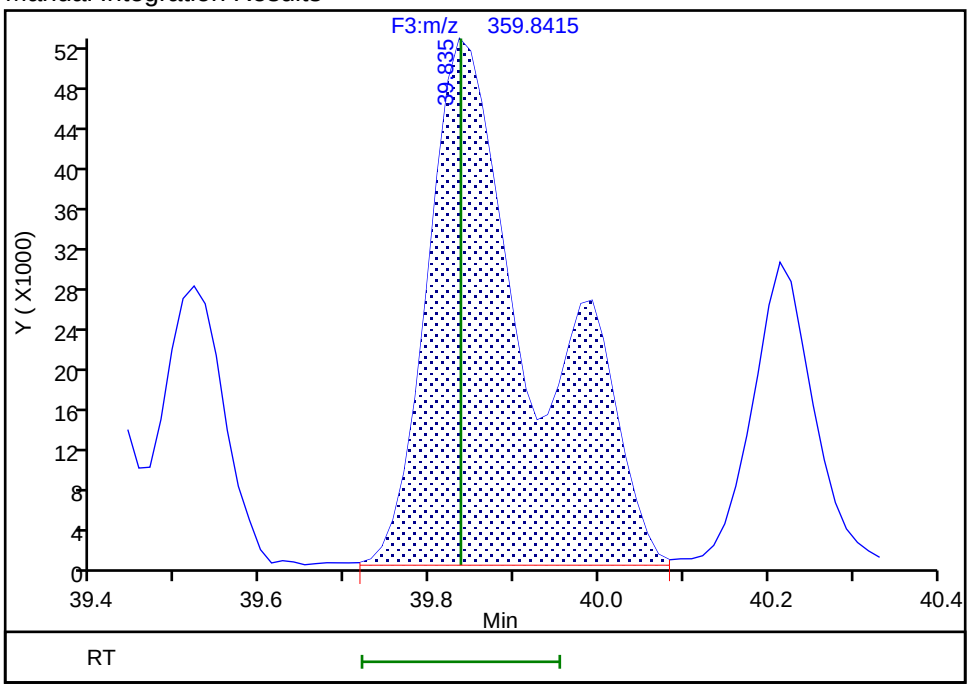
Processing Integration Results

RT: 39.83
Area: 327484
Amount: 24.007592
Amount Units: pg/ul




Manual Integration Results

RT: 39.83
Area: 466989
Amount: 34.137275
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:01:10
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Report Date: 03-Oct-2019 16:02:36 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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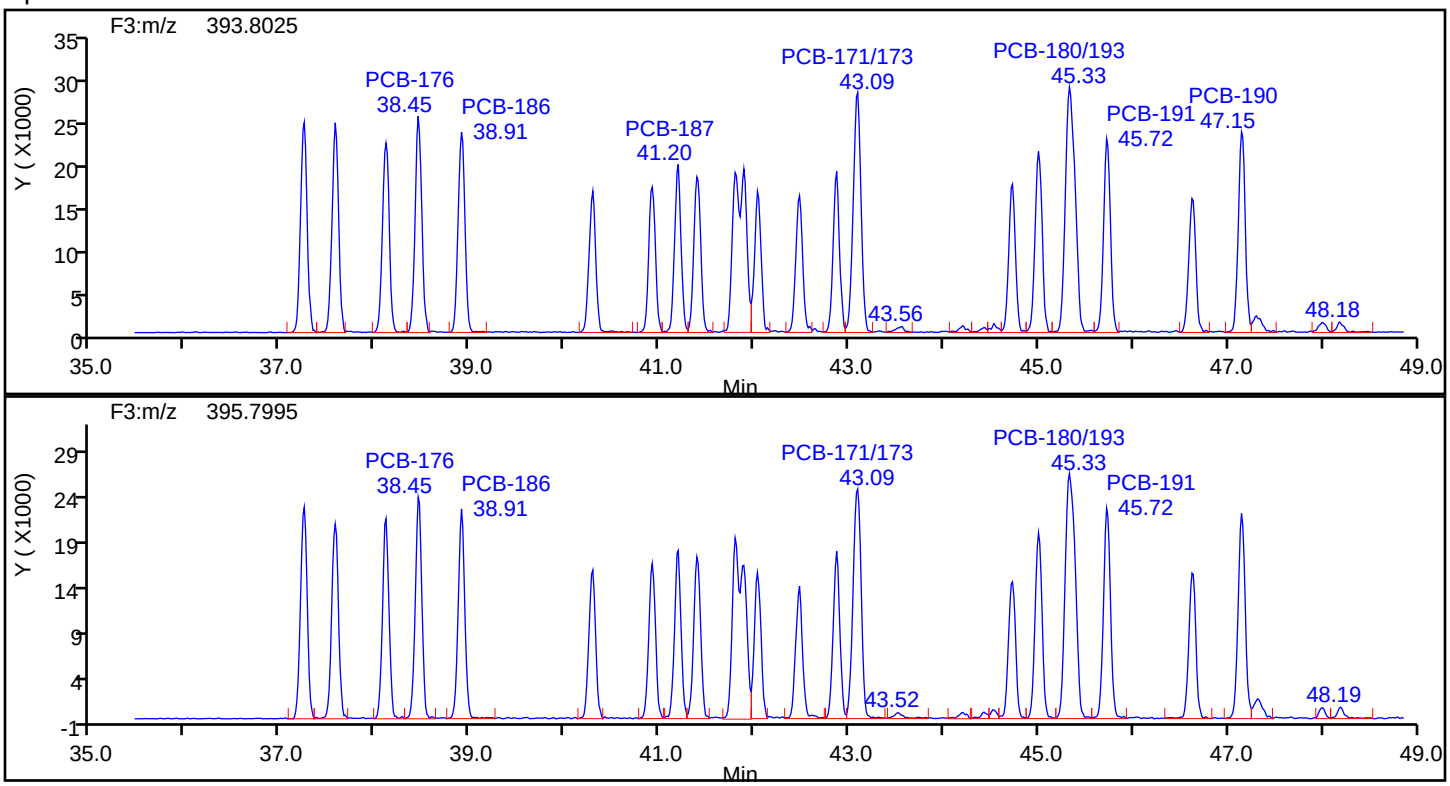
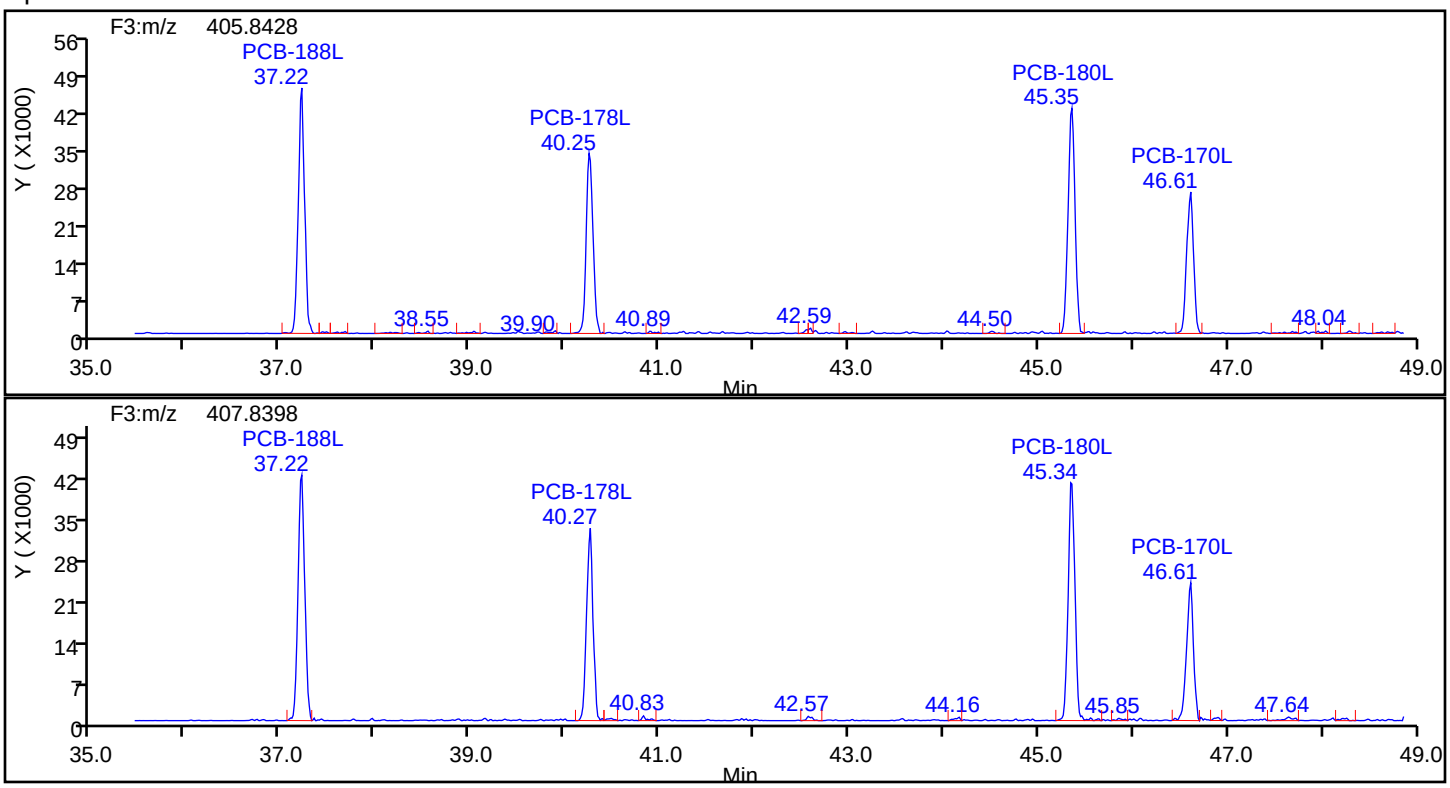
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Standards



Eurofins TestAmerica, Knoxville

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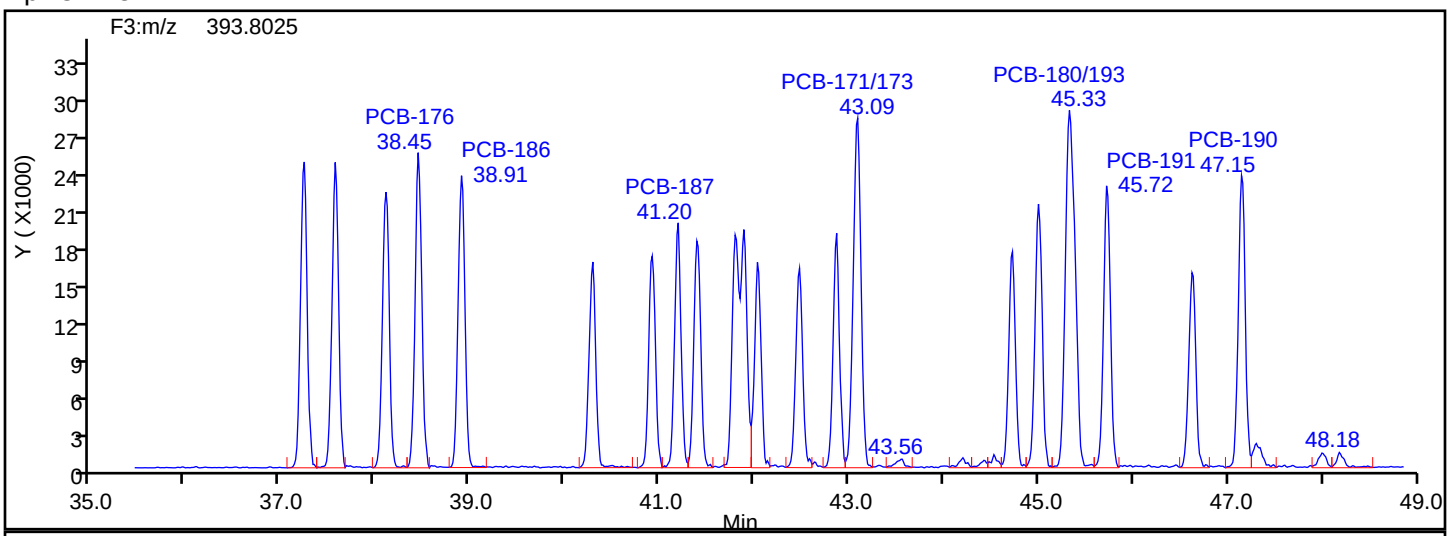
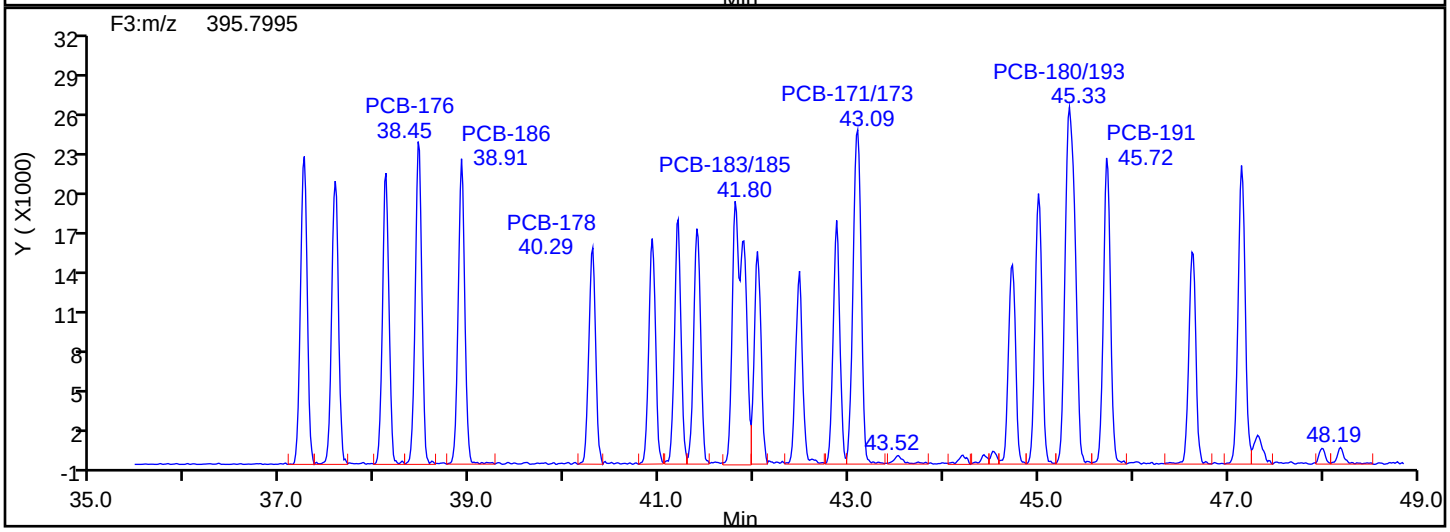
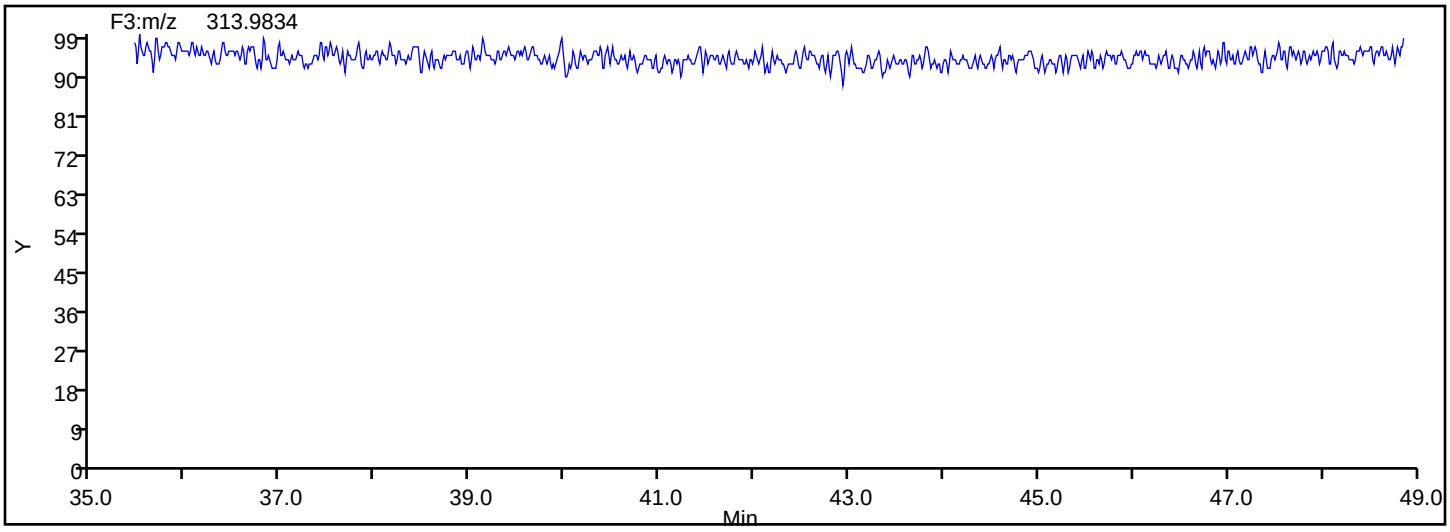
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

| | | | | | |
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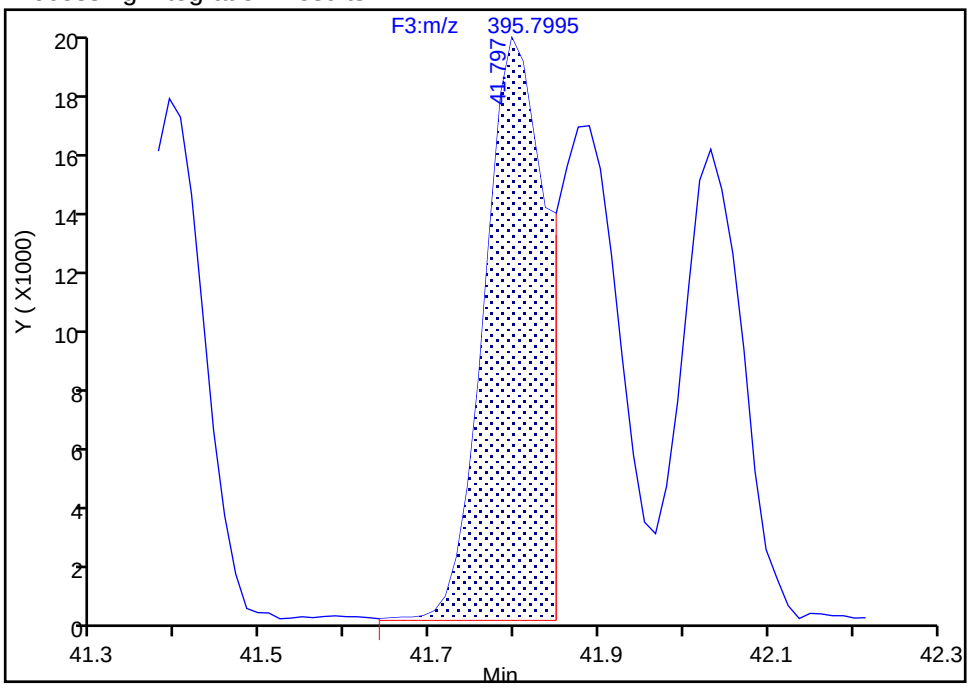
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d | | | | |
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

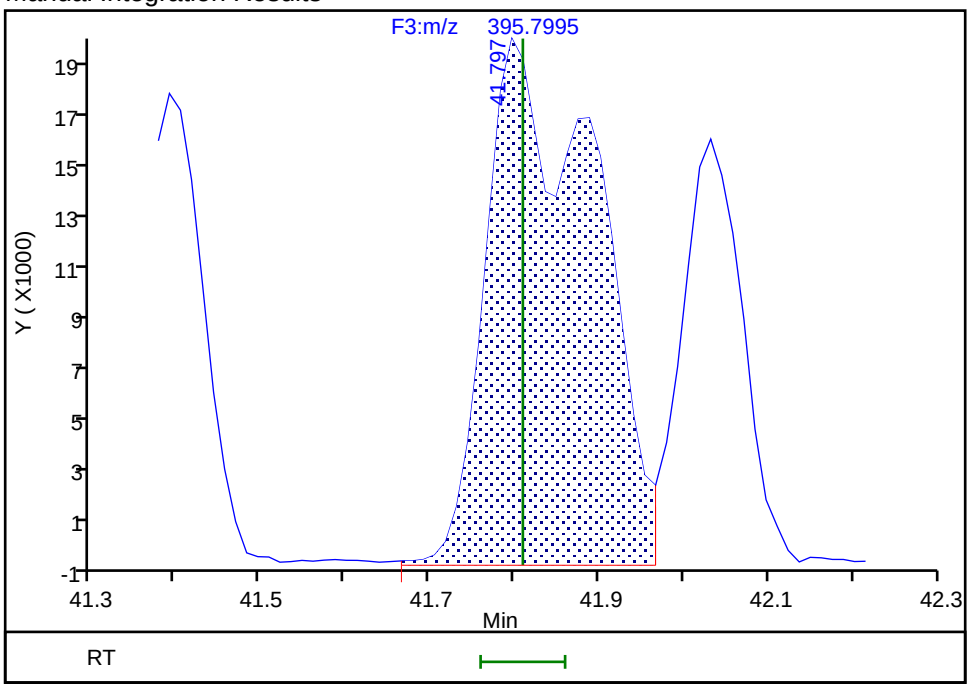
Processing Integration Results

RT: 41.80
Area: 94845
Amount: 9.920960
Amount Units: pg/ul




Manual Integration Results

RT: 41.80
Area: 174588
Amount: 18.555530
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:01:46

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

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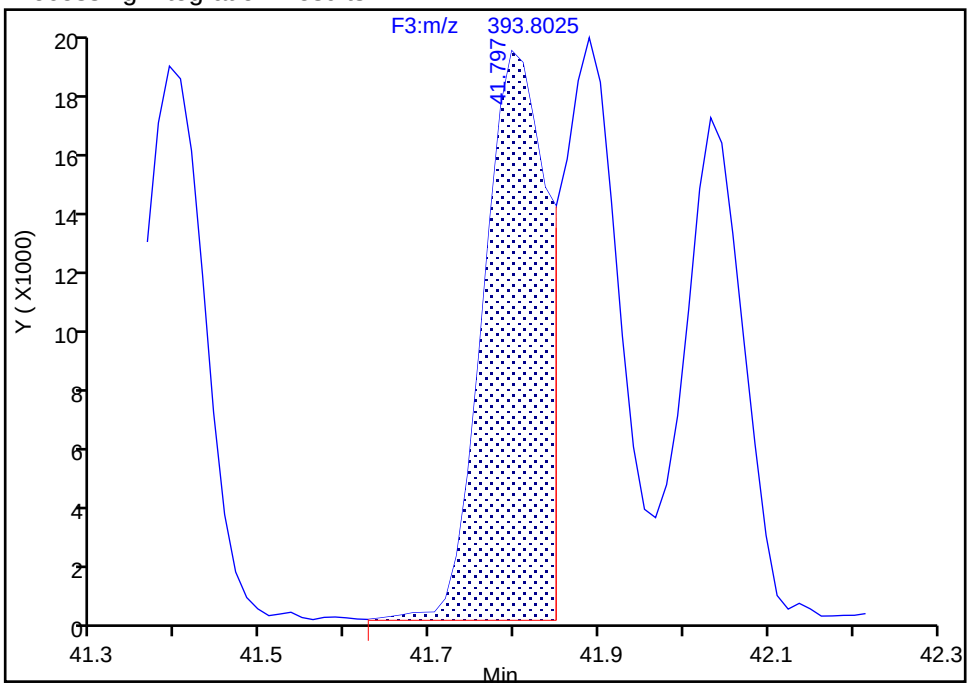
| Injection Date: | 03-Oct-2019 12:37:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-33628/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 5.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

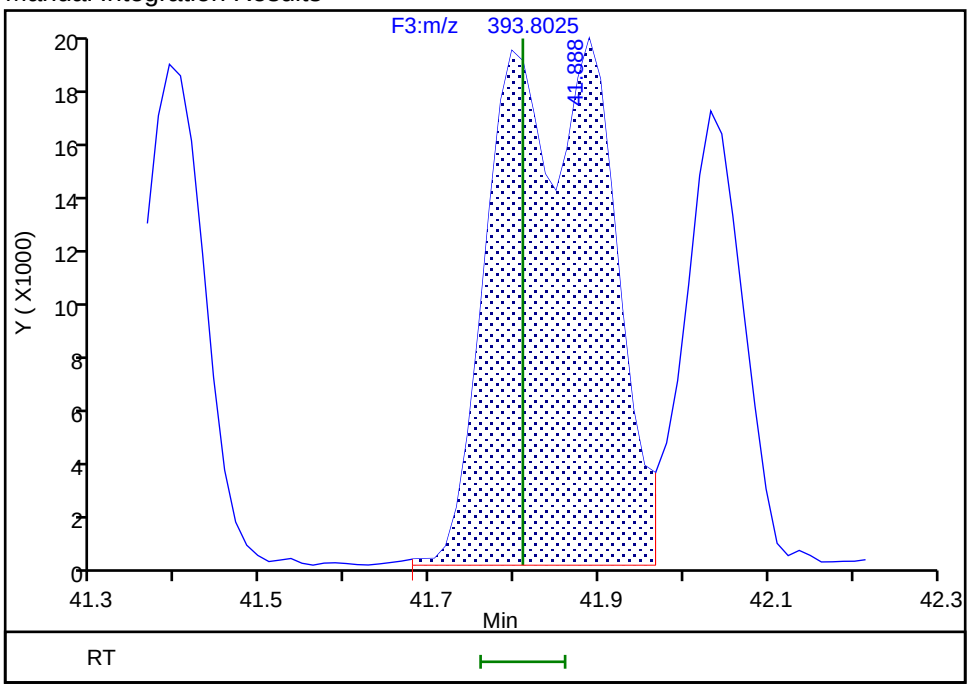
Processing Integration Results

RT: 41.80
Area: 95015
Amount: 9.920960
Amount Units: pg/ul




Manual Integration Results

RT: 41.89
Area: 180514
Amount: 18.555530
Amount Units: pg/ul




Reviewer: nordquistj, 03-Oct-2019 16:01:49

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville

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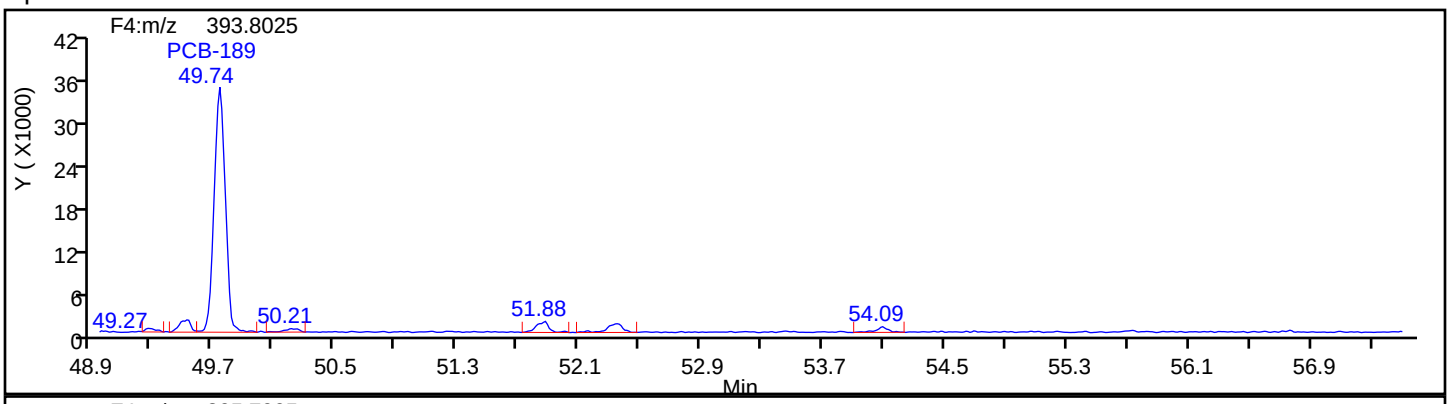
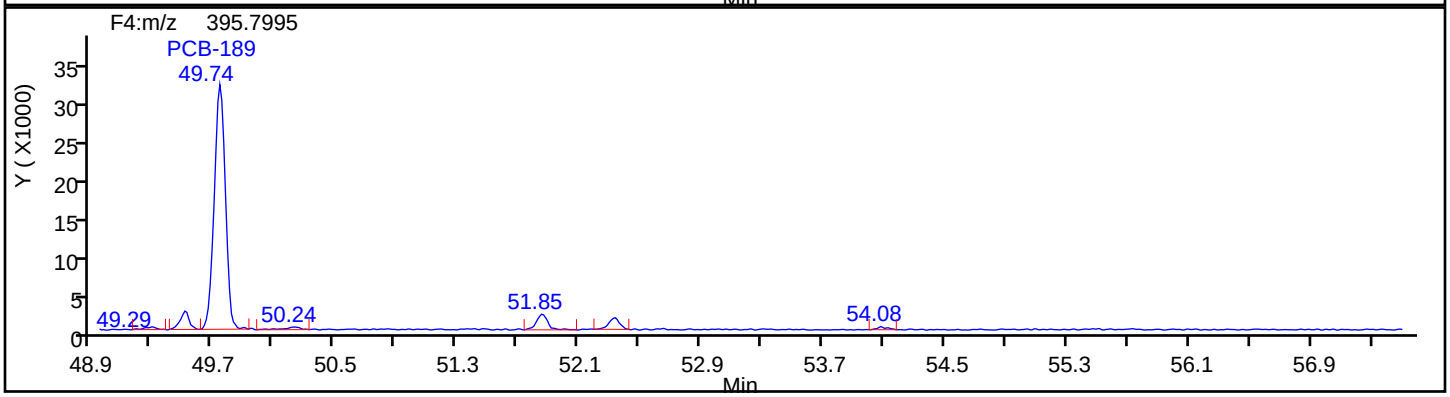
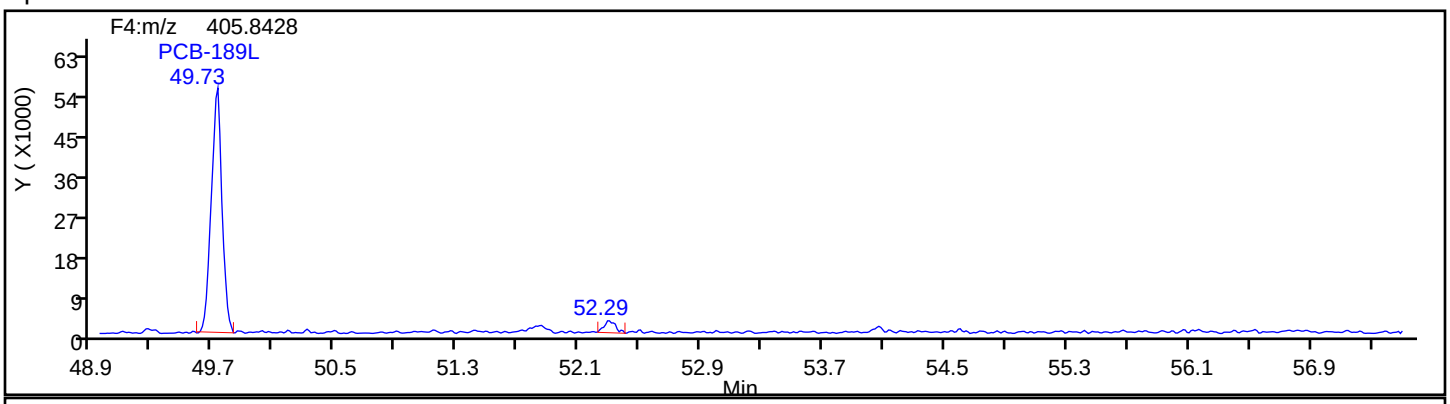
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

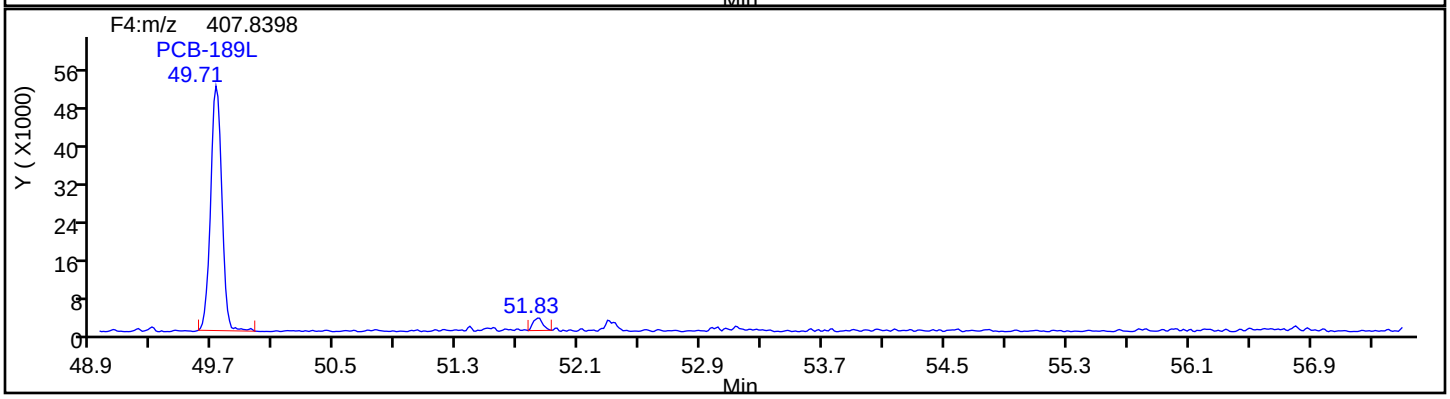
HpPCB F4




HpPCB F4 Standards



Eurofins TestAmerica, Knoxville

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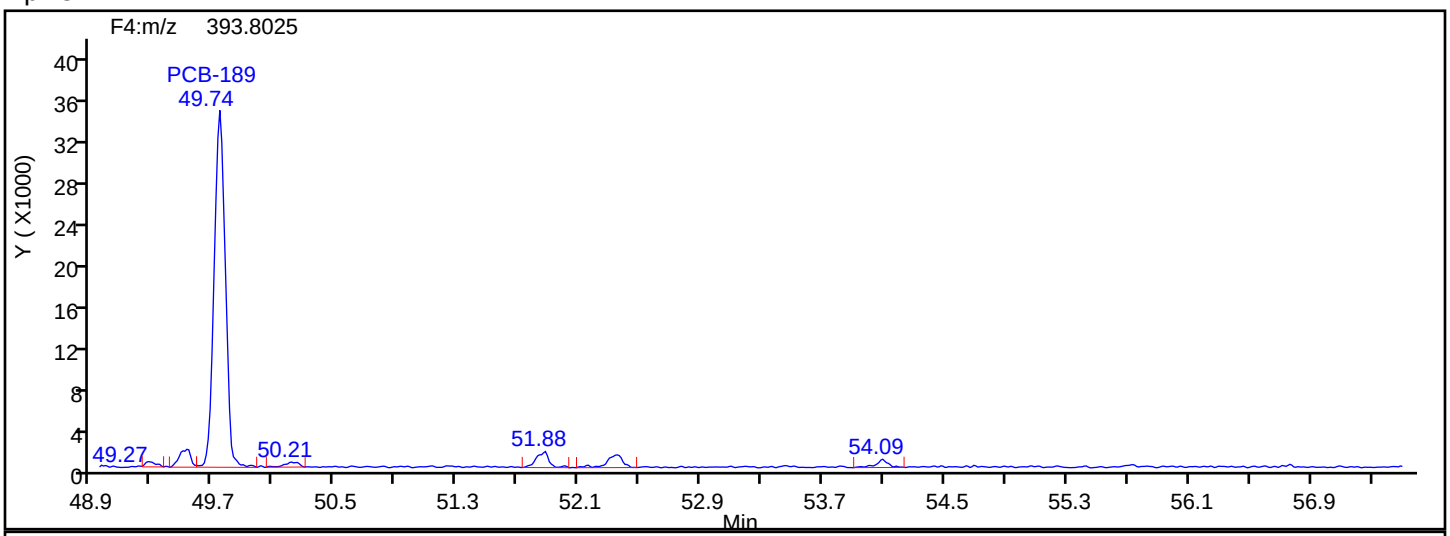
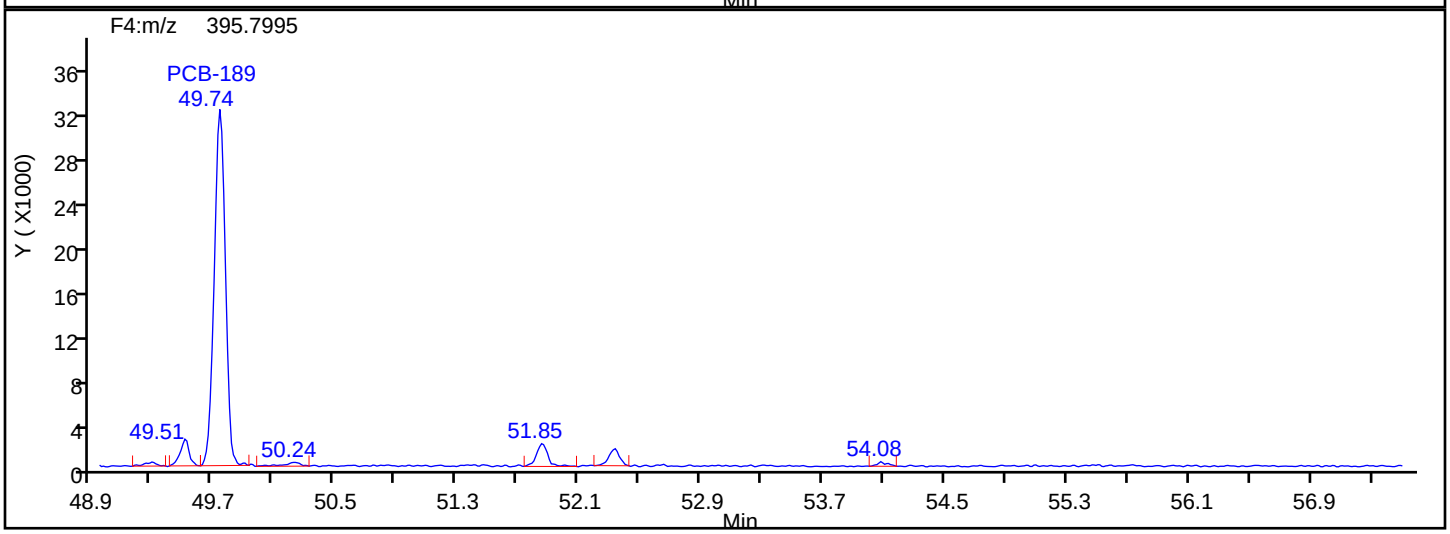
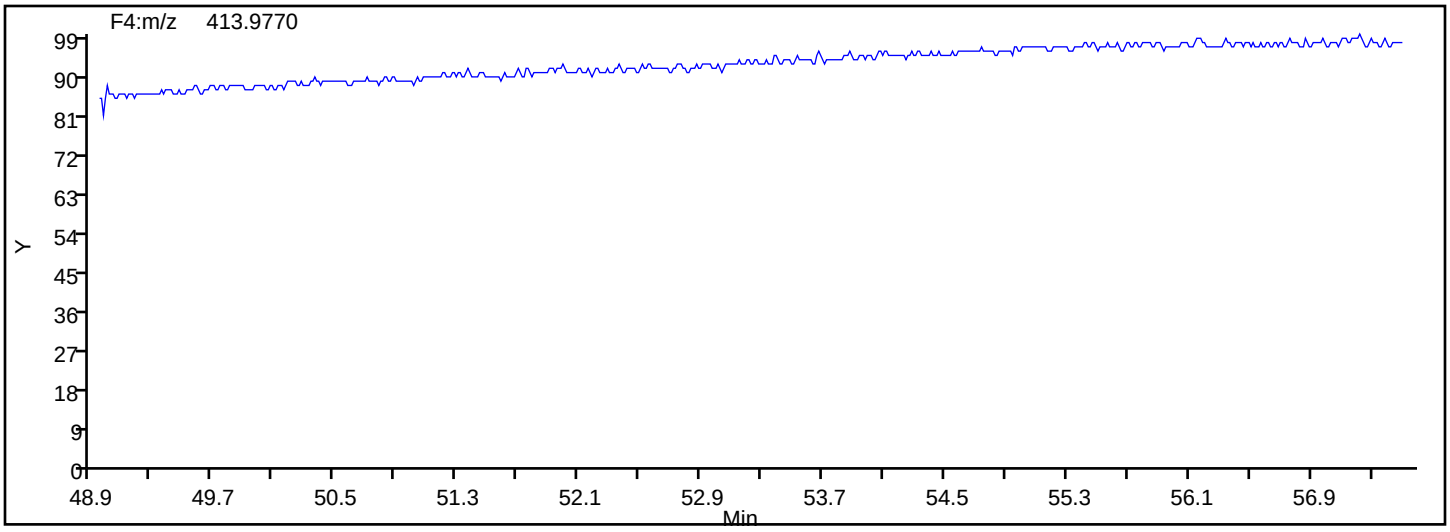
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4




HpPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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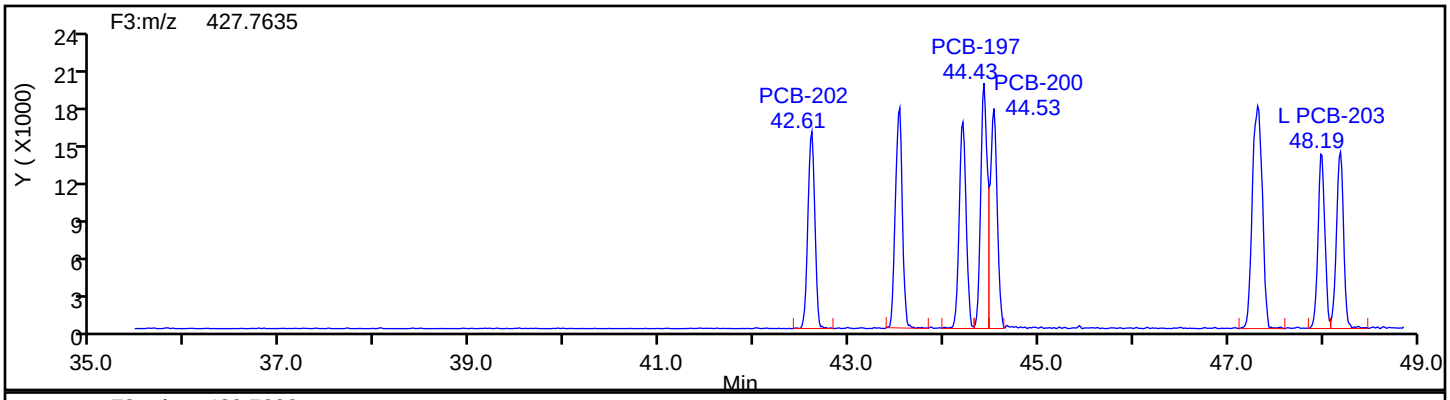
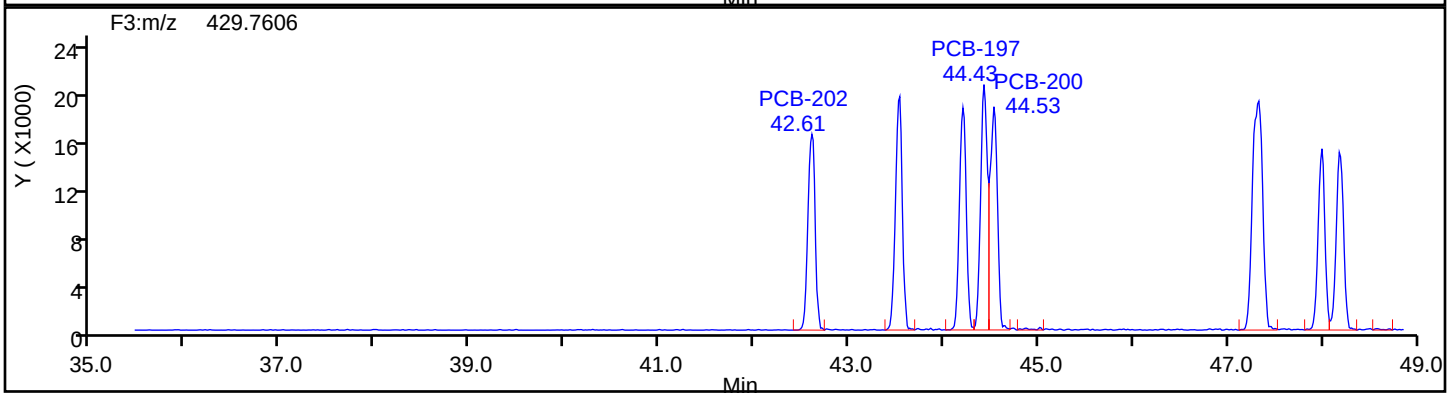
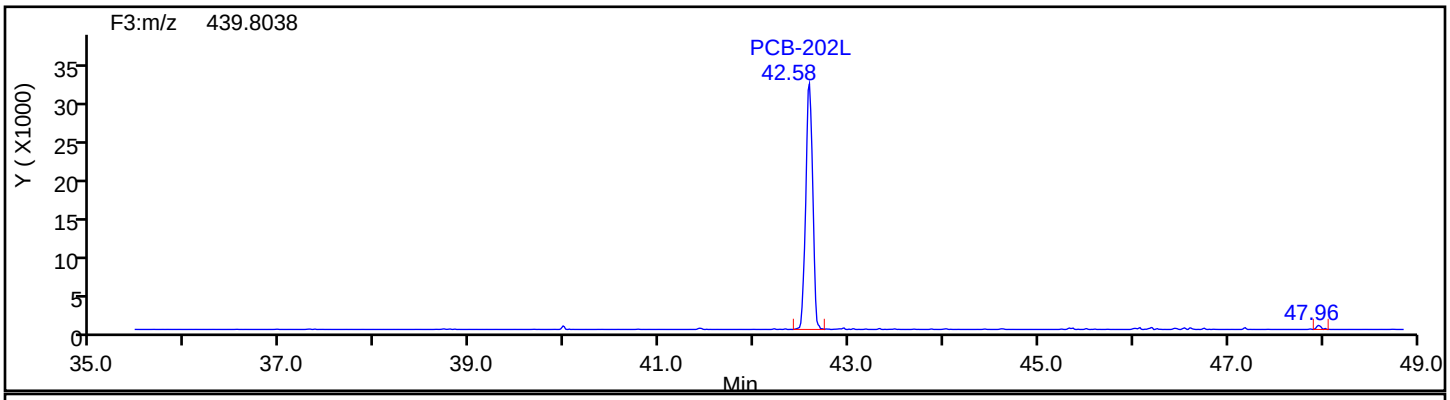
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

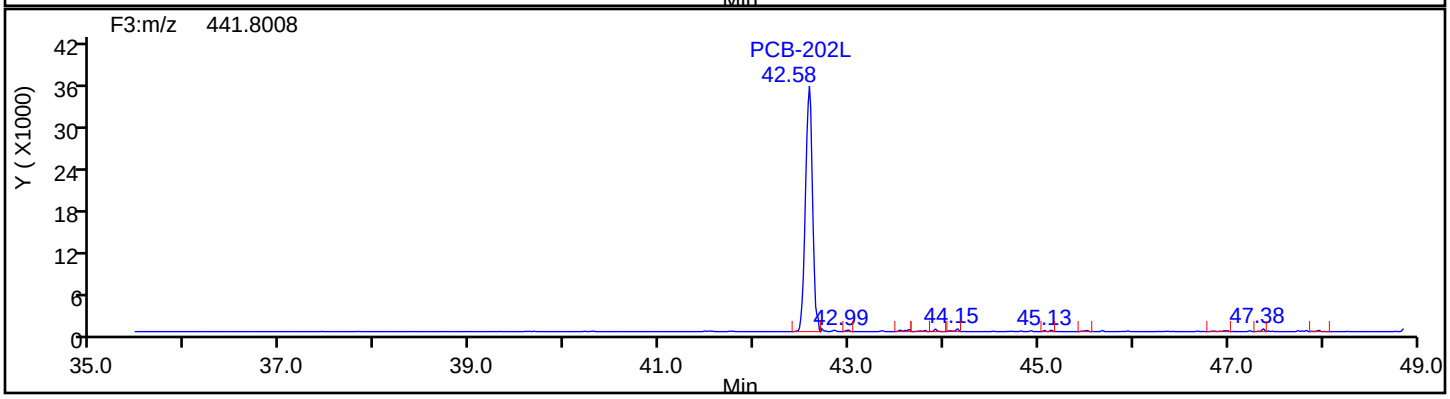
OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

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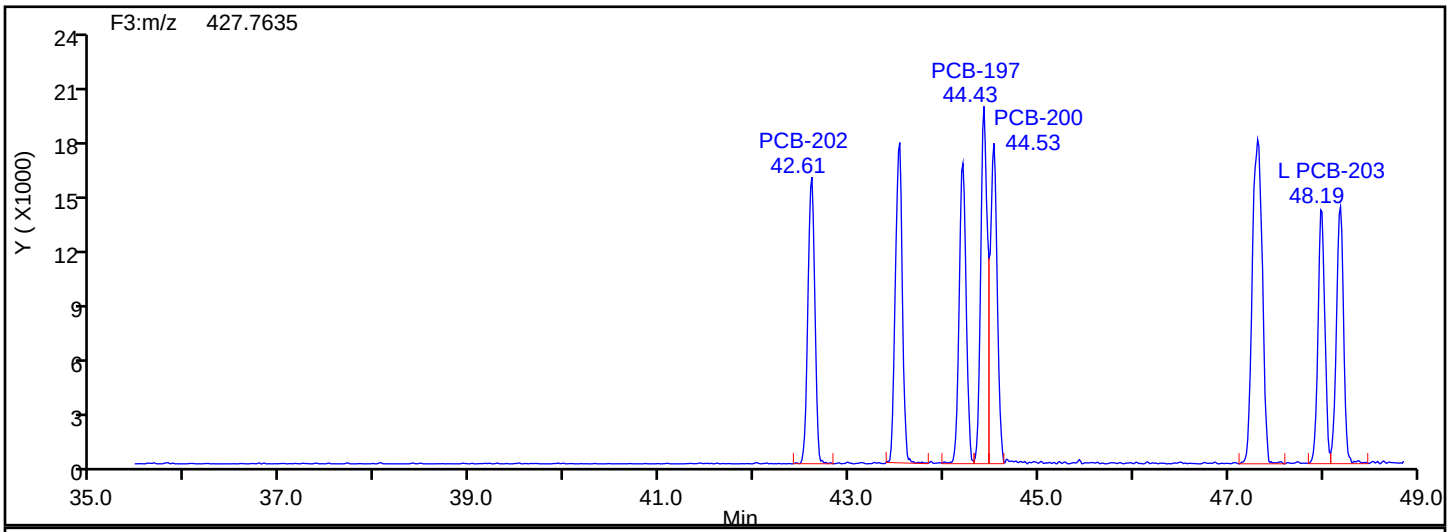
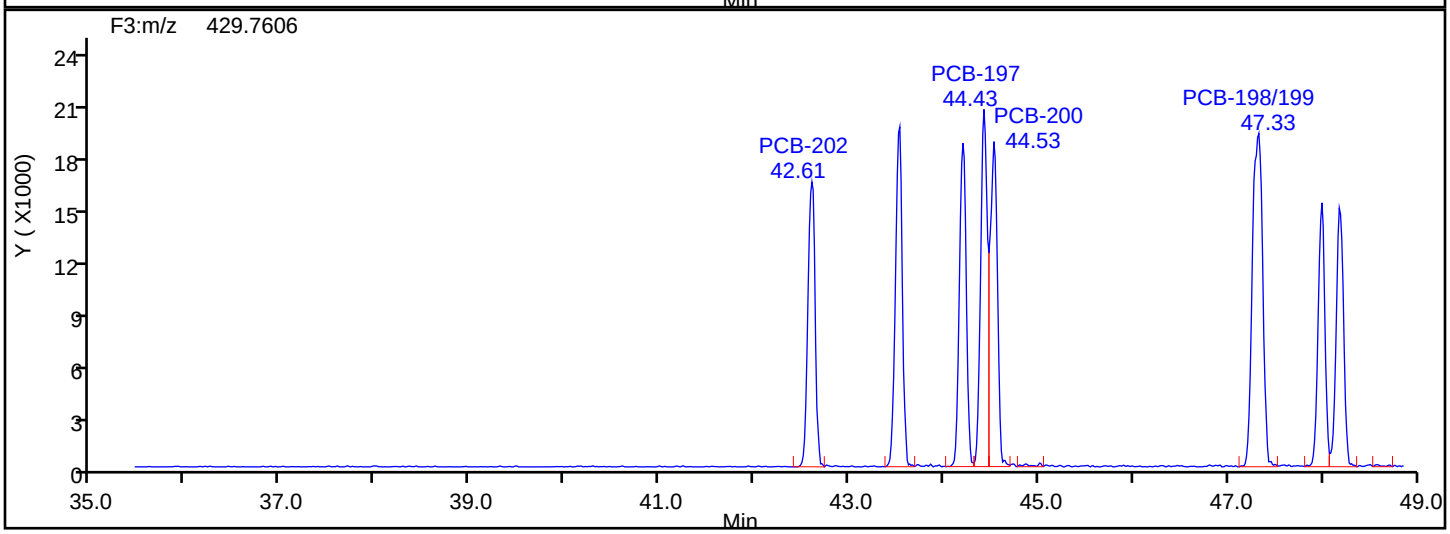
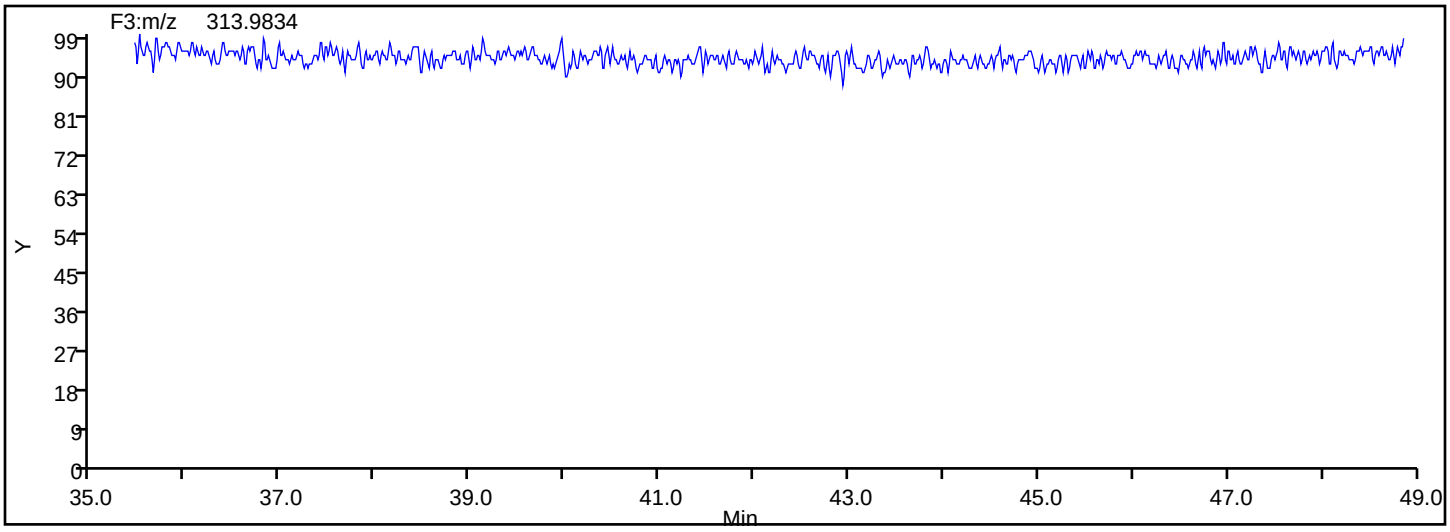
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

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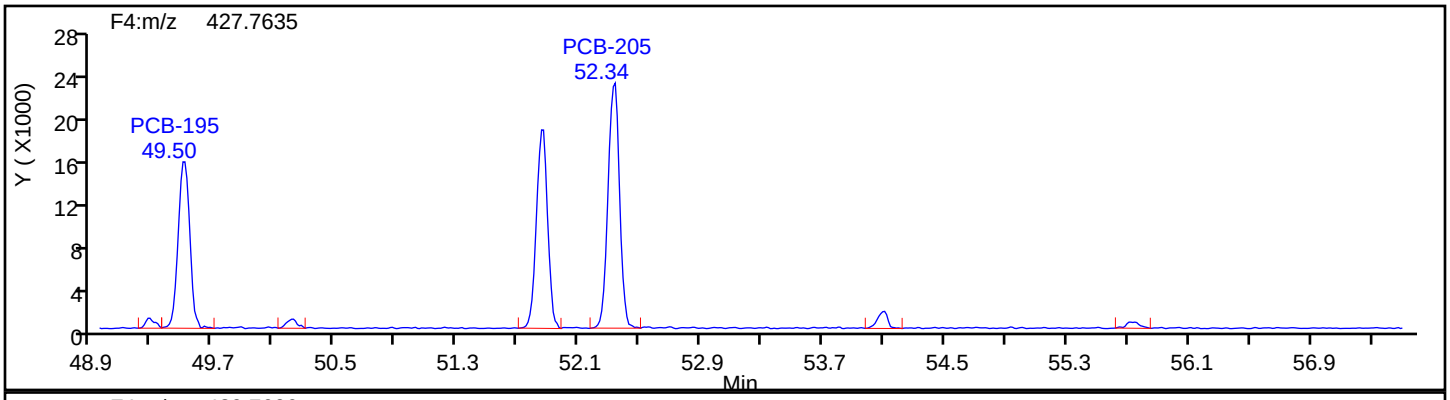
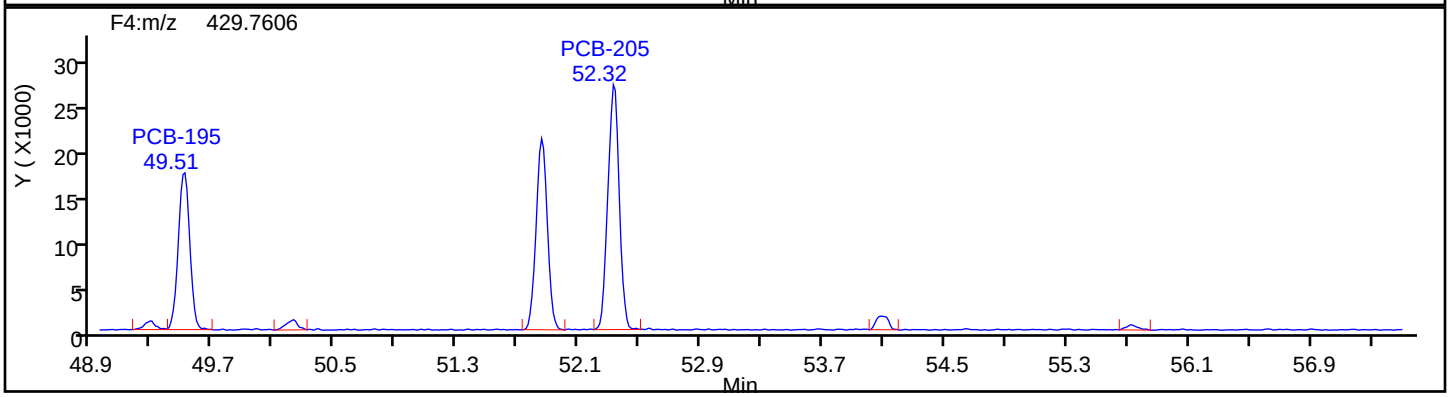
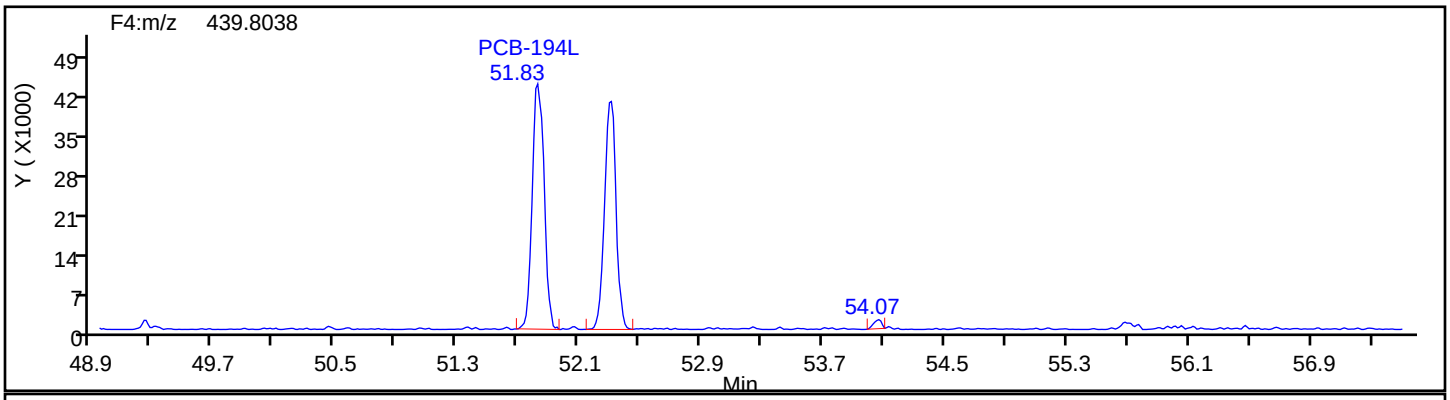
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

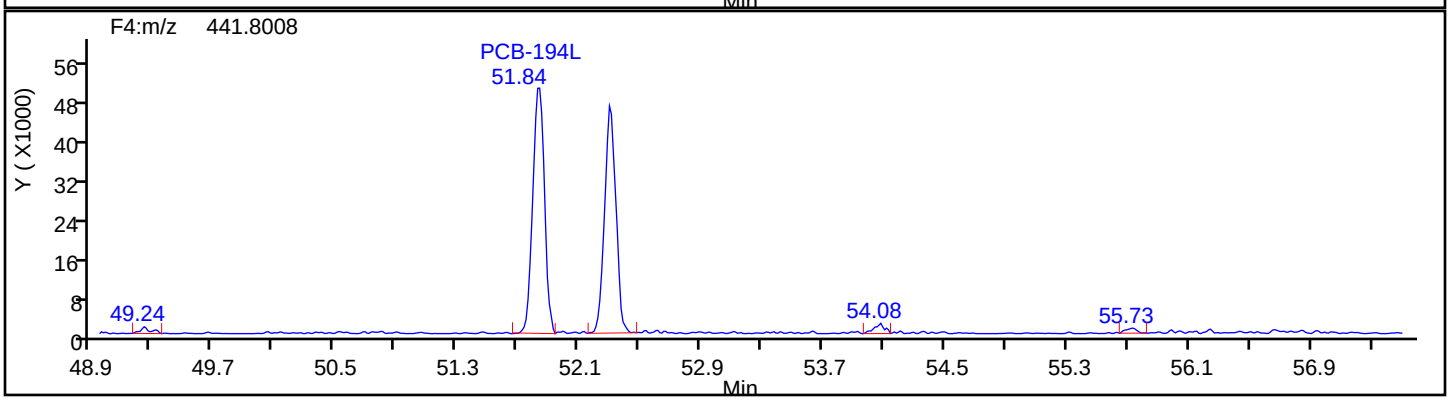
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

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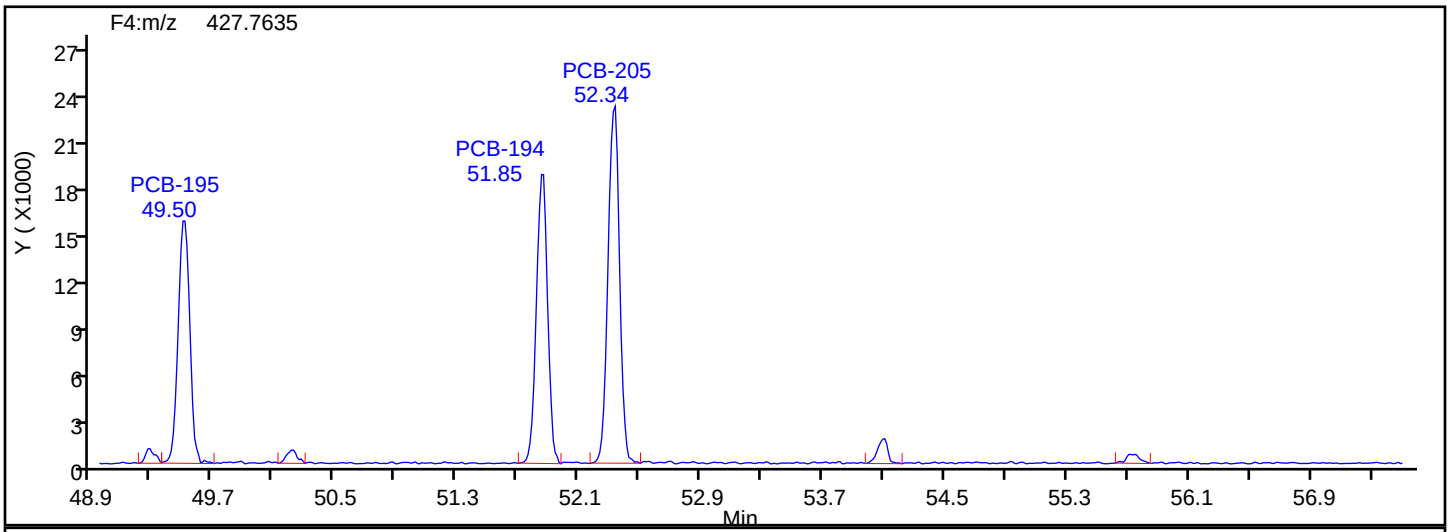
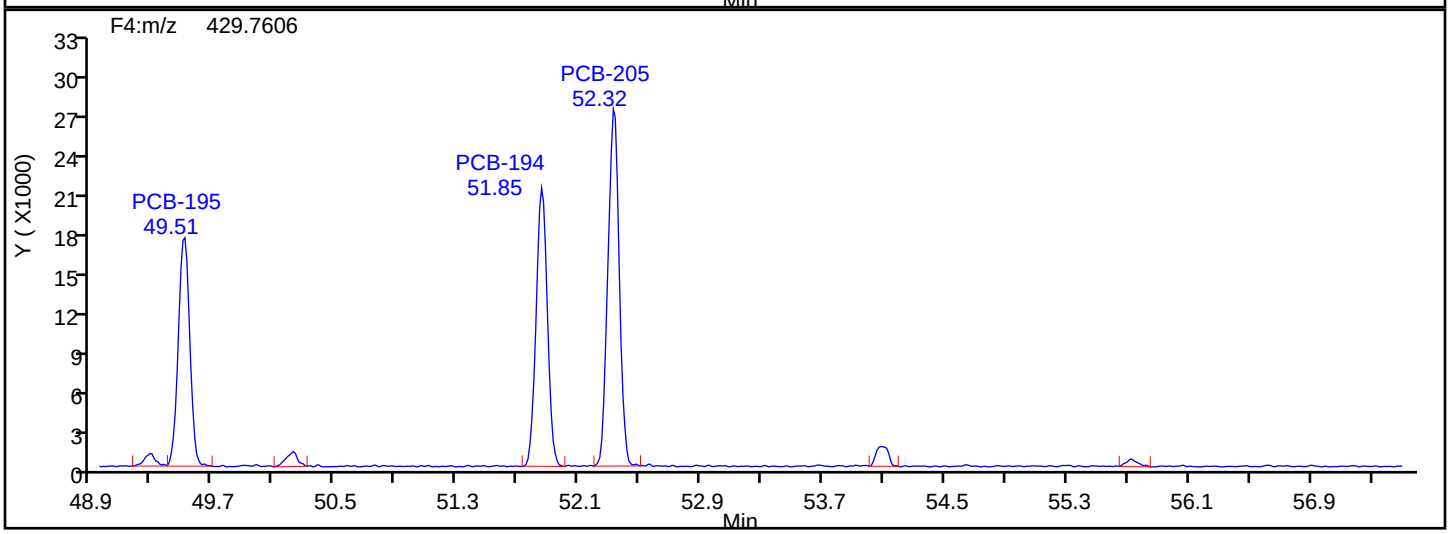
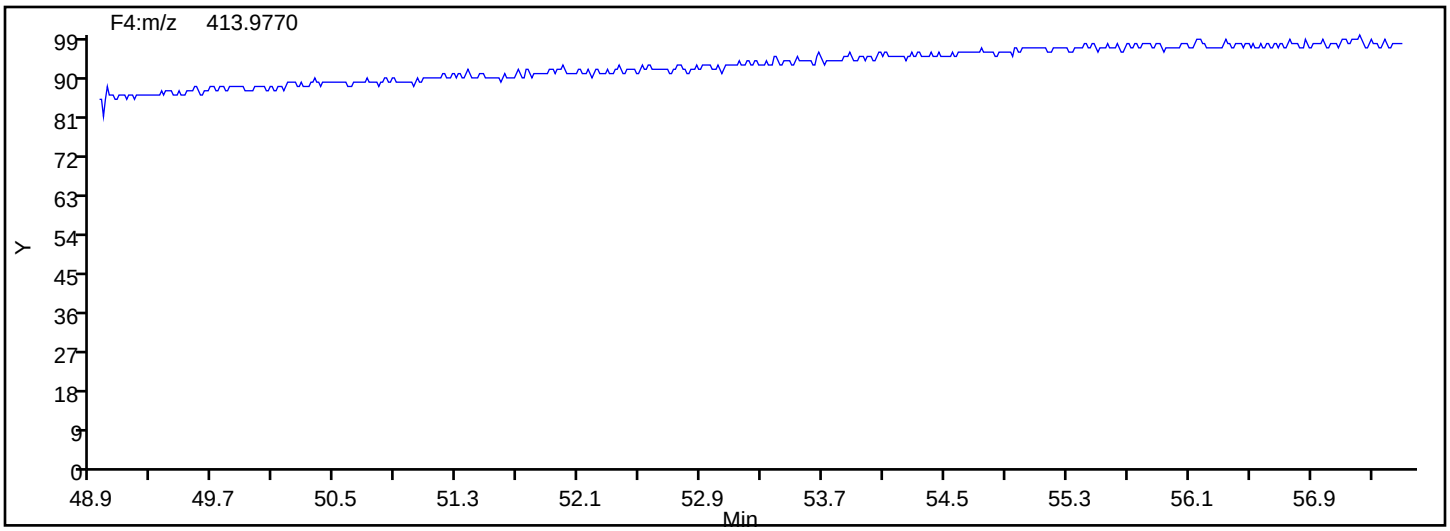
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

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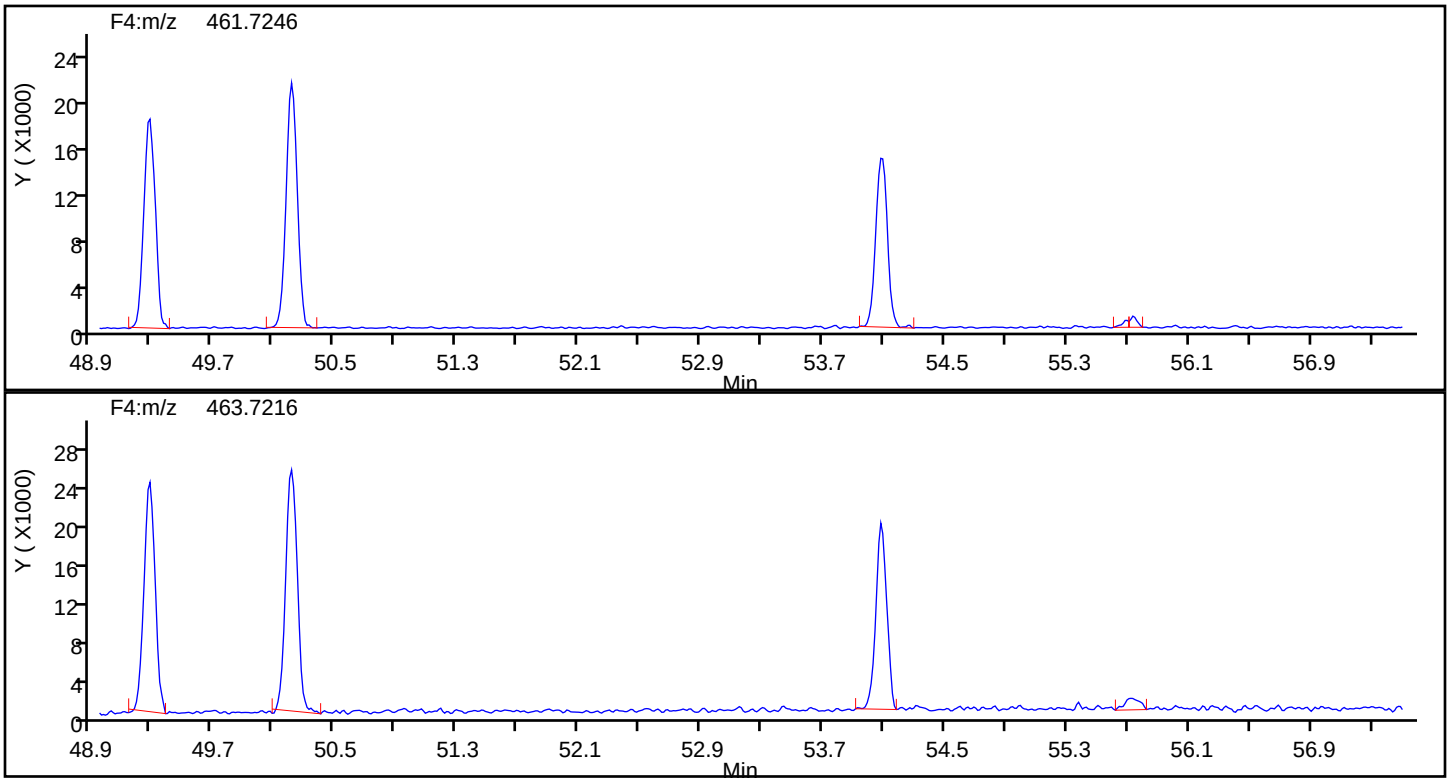
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

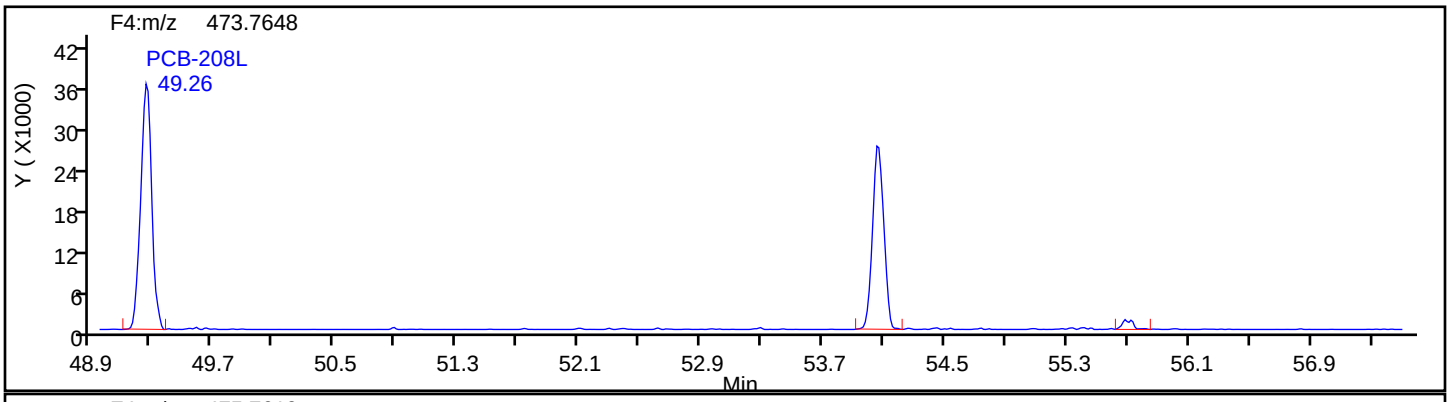
NoPCB F4

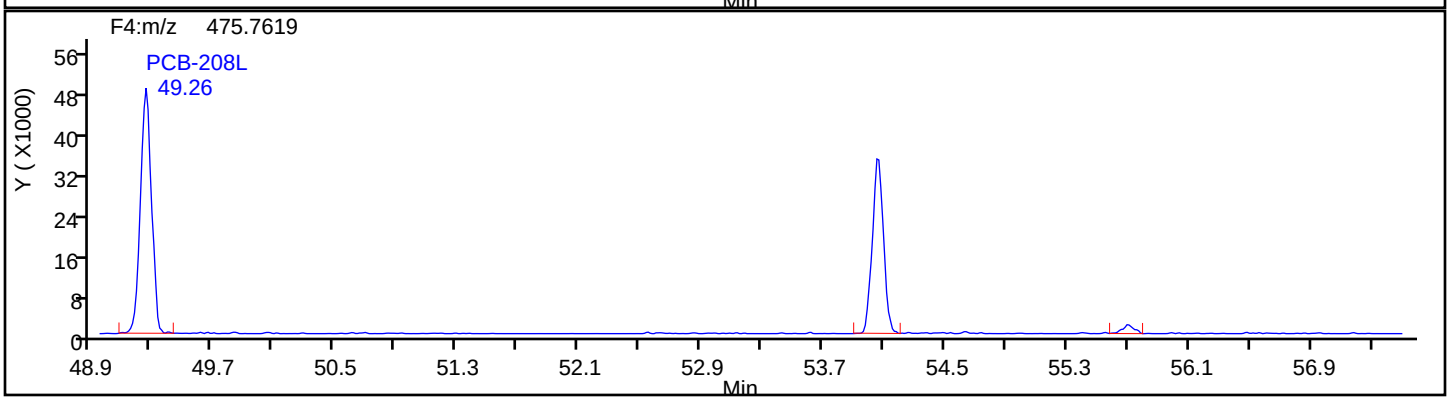






NoPCB F4 Standards



Report Date: 03-Oct-2019 16:02:37 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

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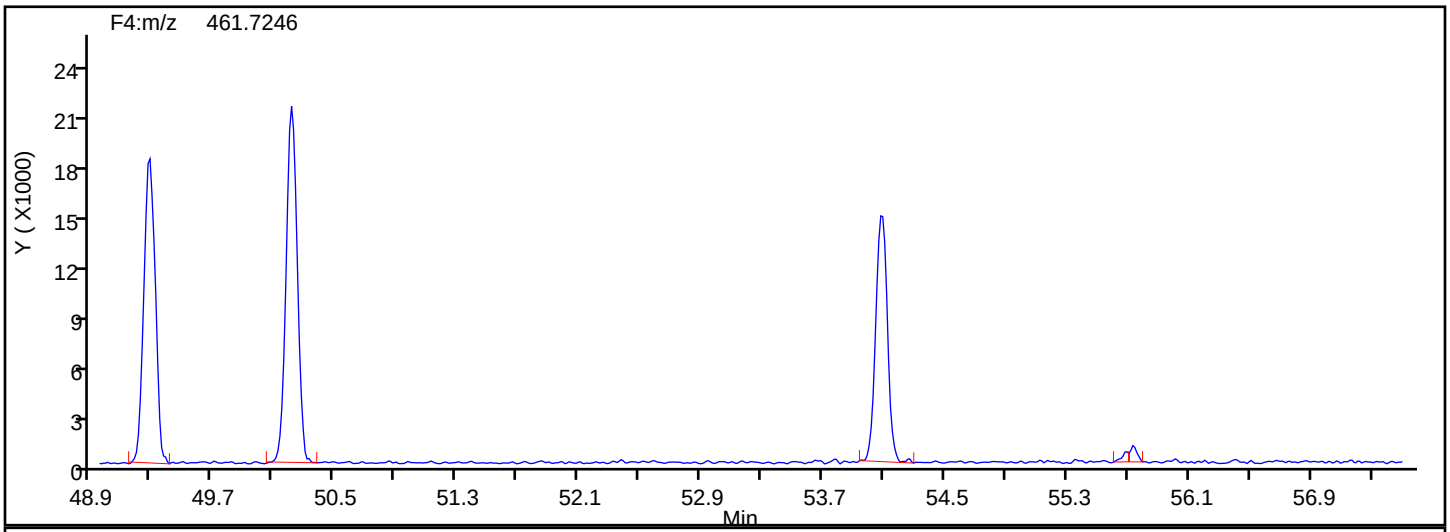
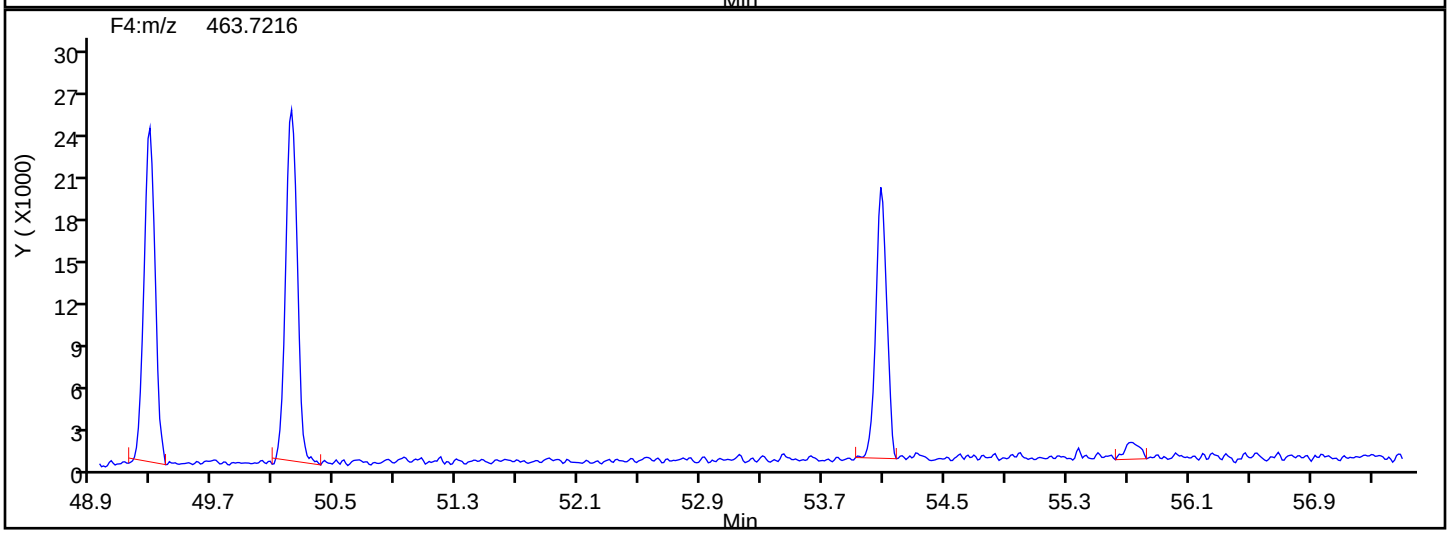
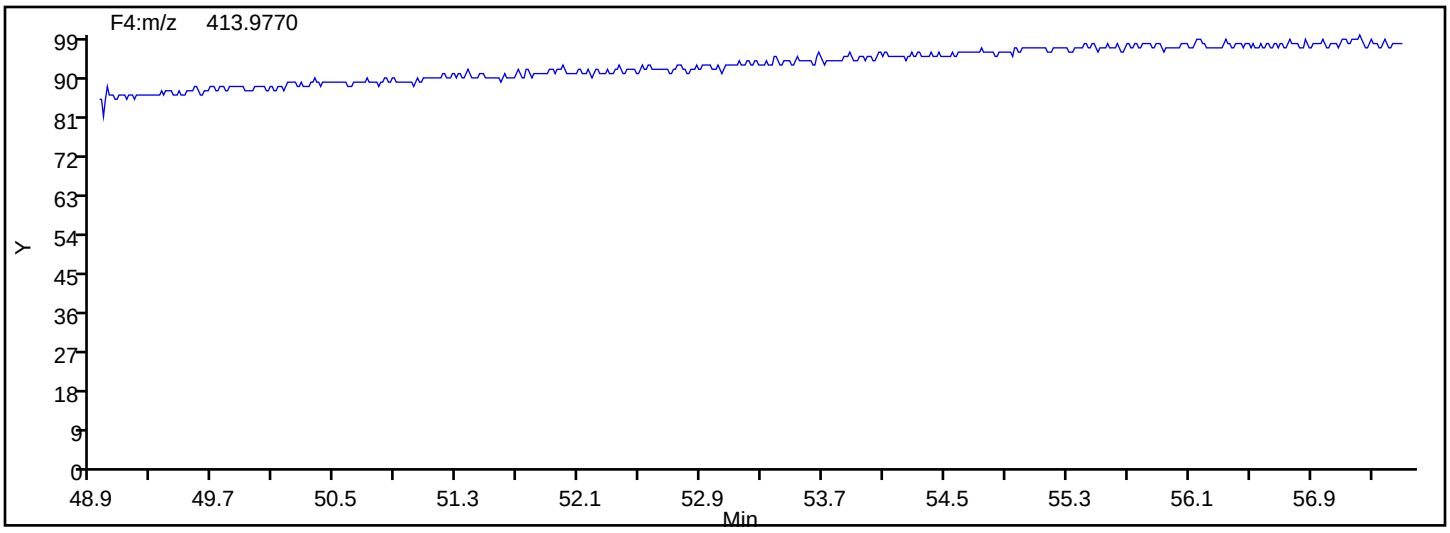
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4




NoPCB F4 Lock Mass



Report Date: 03-Oct-2019 16:02:37 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191003-13282.b\lcs140-3362813-b_191003123749.d

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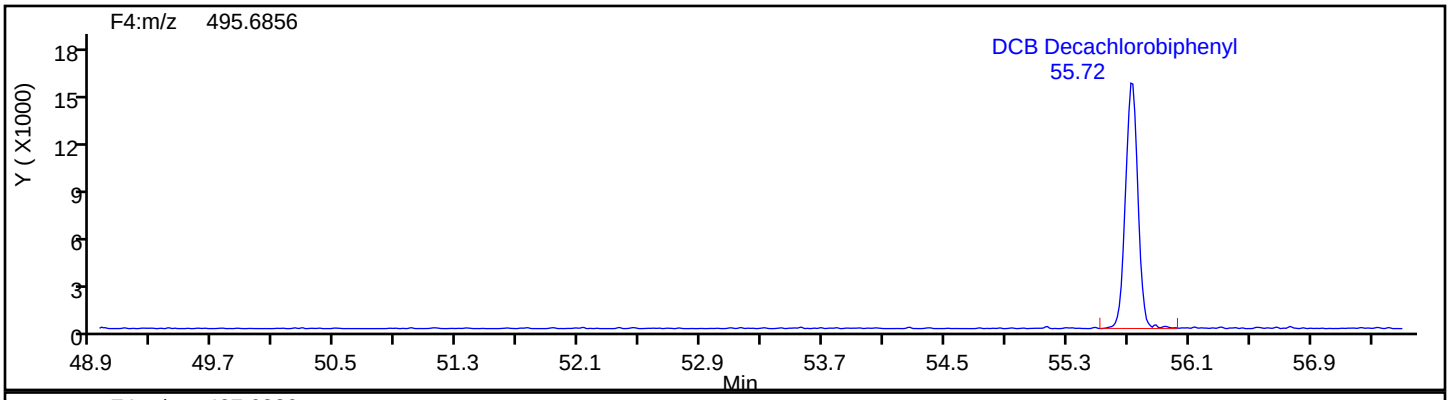
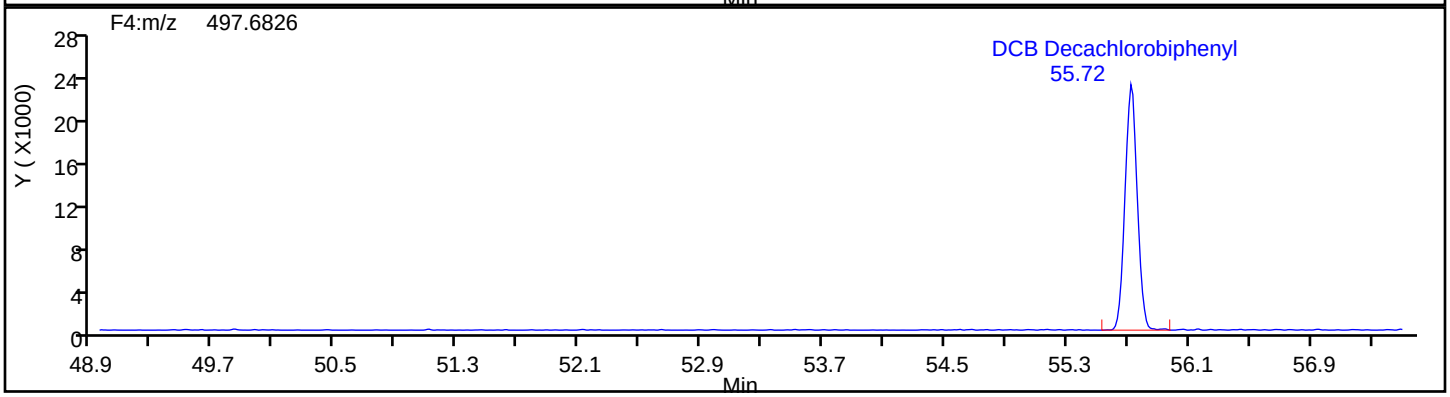
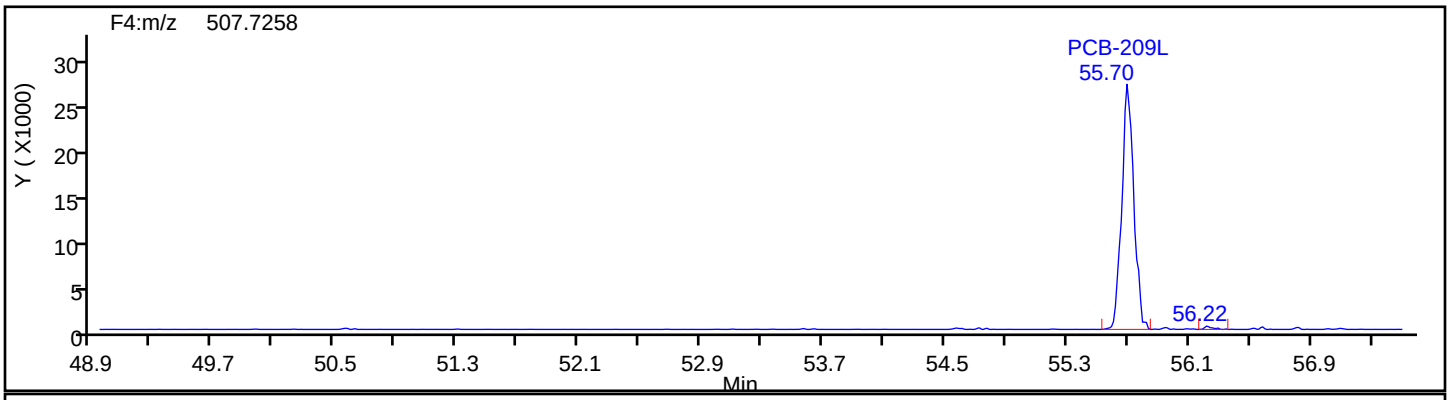
|---|---|---|---|
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

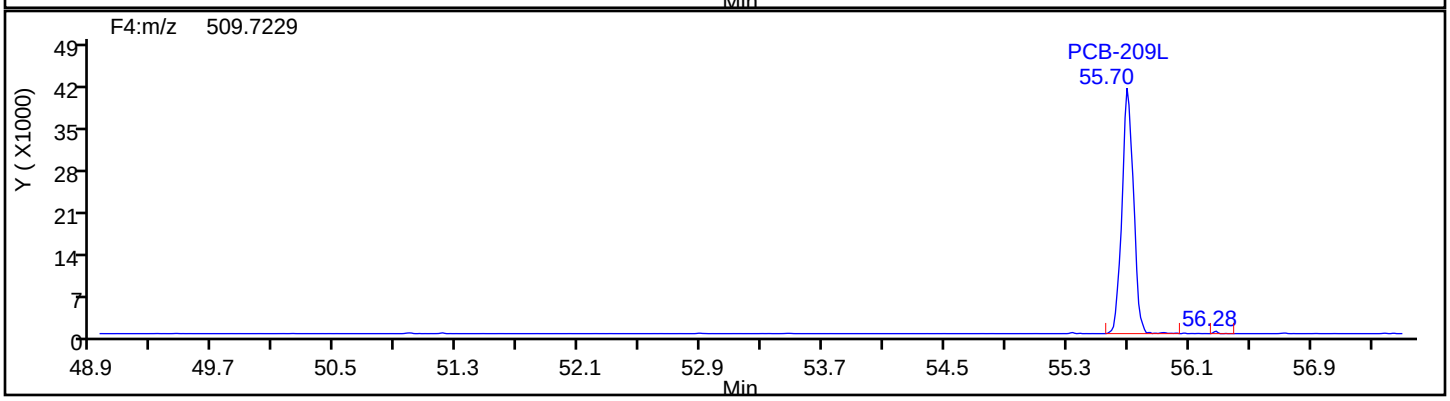
DePCB F4




DePCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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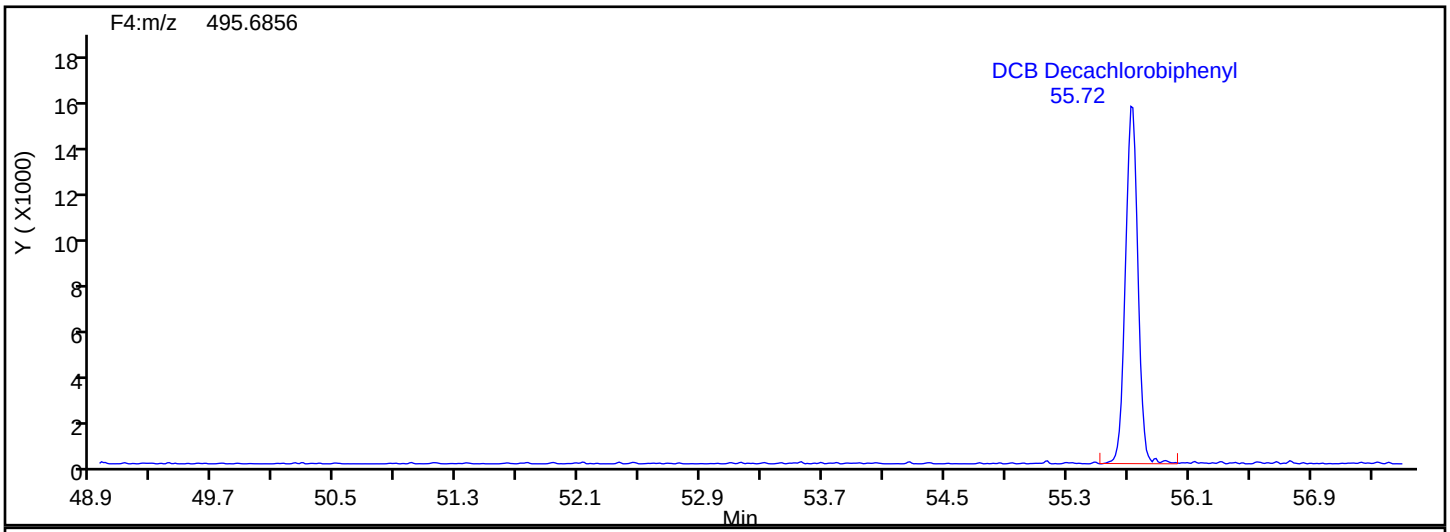
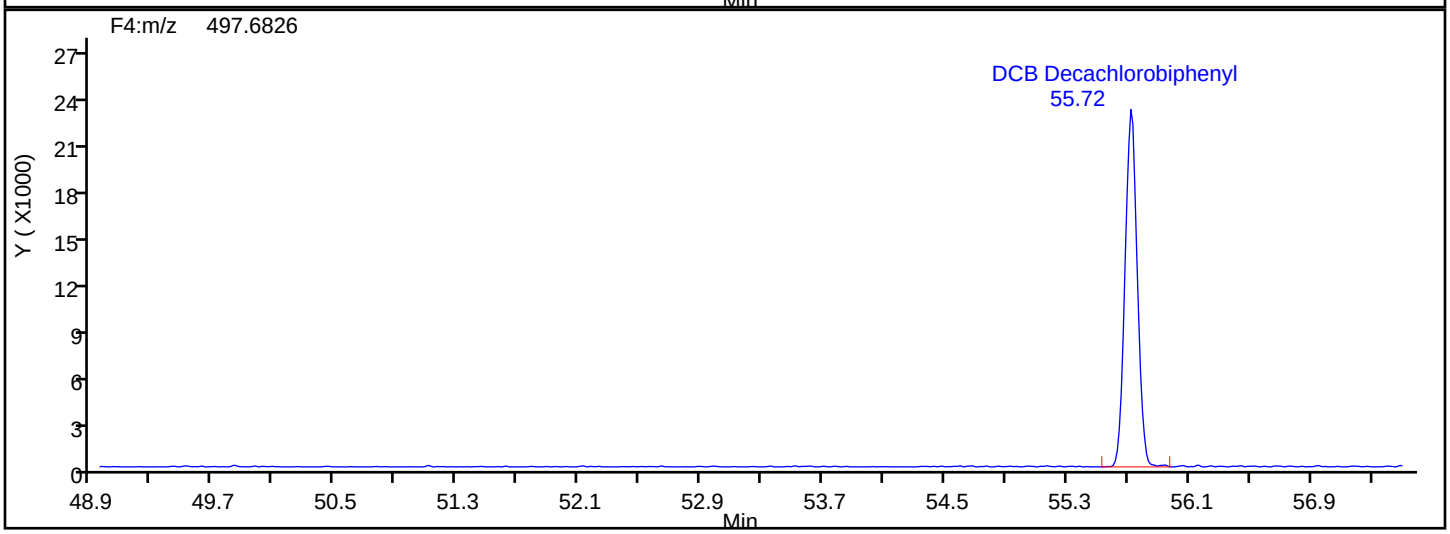
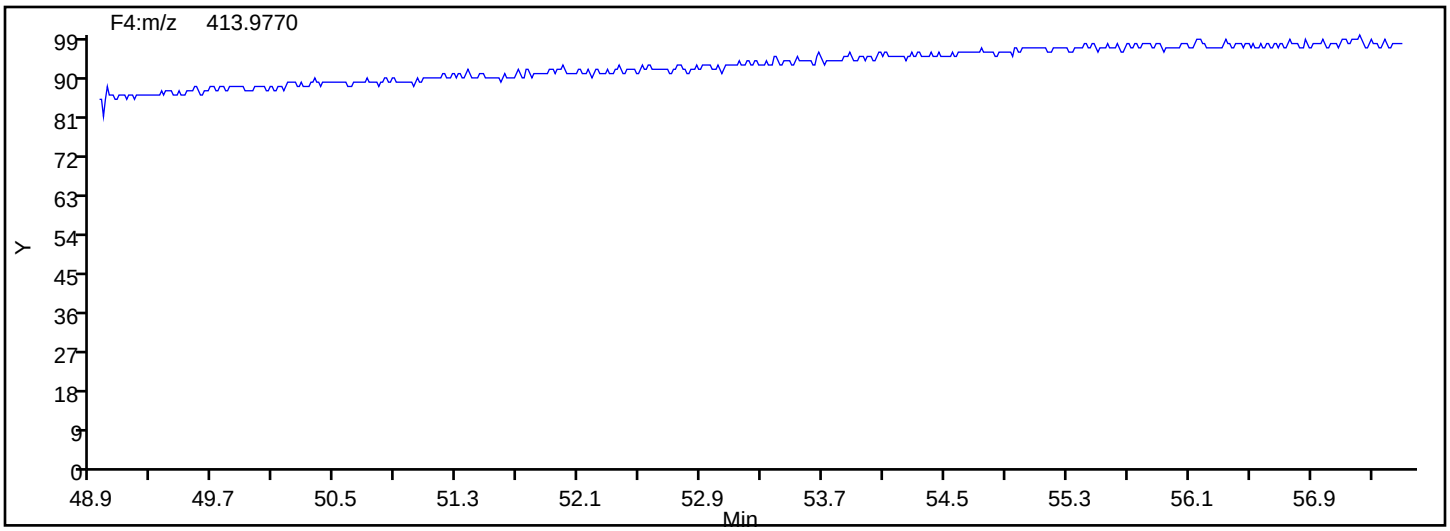
| Injection Date: | 03-Oct-2019 12:37:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34146 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 2051-60-7 | PCB-1 | 0.492 | | 0.010 | 0.0013 |
| 2051-61-8 | PCB-2 | 0.491 | | 0.010 | 0.0013 |
| 2051-62-9 | PCB-3 | 0.493 | | 0.010 | 0.0014 |
| 13029-08-8 | PCB-4 | 0.493 | | 0.020 | 0.00091 |
| 16605-91-7 | PCB-5 | 0.475 | | 0.010 | 0.00061 |
| 25569-80-6 | PCB-6 | 0.473 | | 0.010 | 0.00061 |
| 33284-50-3 | PCB-7 | 0.476 | | 0.010 | 0.00059 |
| 34883-43-7 | PCB-8 | 0.481 | | 0.020 | 0.00060 |
| 34883-39-1 | PCB-9 | 0.469 | | 0.010 | 0.00067 |
| 33146-45-1 | PCB-10 | 0.459 | | 0.010 | 0.00064 |
| 2050-67-1 | PCB-11 | 0.475 | | 0.020 | 0.00058 |
| 2974-92-7 | PCB-12 | 0.953 | C | 0.020 | 0.00058 |
| 2974-90-5 | PCB-13 | 0.953 | C12 | 0.020 | 0.00058 |
| 34883-41-5 | PCB-14 | 0.500 | | 0.010 | 0.00051 |
| 2050-68-2 | PCB-15 | 0.472 | | 0.010 | 0.00058 |
| 38444-78-9 | PCB-16 | 0.466 | | 0.010 | 0.00044 |
| 37680-66-3 | PCB-17 | 0.460 | | 0.010 | 0.00034 |
| 37680-65-2 | PCB-18 | 0.924 | C | 0.020 | 0.00030 |
| 38444-73-4 | PCB-19 | 0.473 | | 0.010 | 0.00041 |
| 38444-84-7 | PCB-20 | 0.915 | C | 0.020 | 0.0032 |
| 55702-46-0 | PCB-21 | 0.898 | C | 0.020 | 0.0031 |
| 38444-85-8 | PCB-22 | 0.469 | | 0.010 | 0.0034 |
| 55720-44-0 | PCB-23 | 0.467 | | 0.010 | 0.0033 |
| 55702-45-9 | PCB-24 | 0.452 | | 0.010 | 0.00026 |
| 55712-37-3 | PCB-25 | 0.455 | | 0.010 | 0.0031 |
| 38444-81-4 | PCB-26 | 0.902 | C | 0.020 | 0.0032 |
| 38444-76-7 | PCB-27 | 0.465 | | 0.010 | 0.00025 |
| 7012-37-5 | PCB-28 | 0.915 | C20 | 0.020 | 0.0032 |
| 15862-07-4 | PCB-29 | 0.902 | C26 | 0.020 | 0.0032 |
| 35693-92-6 | PCB-30 | 0.924 | C18 | 0.020 | 0.00030 |
| 16606-02-3 | PCB-31 | 0.459 | | 0.020 | 0.0031 |
| 38444-77-8 | PCB-32 | 0.450 | | 0.010 | 0.00023 |
| 38444-86-9 | PCB-33 | 0.898 | C21 | 0.020 | 0.0031 |
| 37680-68-5 | PCB-34 | 0.470 | | 0.010 | 0.0035 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 37680-69-6 | PCB-35 | 0.516 | | 0.010 | 0.0035 |
| 38444-87-0 | PCB-36 | 0.498 | | 0.010 | 0.0031 |
| 38444-90-5 | PCB-37 | 0.514 | | 0.010 | 0.0033 |
| 53555-66-1 | PCB-38 | 0.468 | | 0.010 | 0.0032 |
| 38444-88-1 | PCB-39 | 0.504 | | 0.010 | 0.0030 |
| 38444-93-8 | PCB-40 | 1.36 | C | 0.030 | 0.0027 |
| 52663-59-9 | PCB-41 | 1.36 | C40 | 0.030 | 0.0027 |
| 36559-22-5 | PCB-42 | 0.461 | | 0.010 | 0.0028 |
| 70362-46-8 | PCB-43 | 0.901 | C | 0.020 | 0.0024 |
| 41464-39-5 | PCB-44 | 1.32 | C | 0.030 | 0.0024 |
| 70362-45-7 | PCB-45 | 0.884 | C | 0.020 | 0.0027 |
| 41464-47-5 | PCB-46 | 0.448 | | 0.010 | 0.0032 |
| 2437-79-8 | PCB-47 | 1.32 | C44 | 0.030 | 0.0024 |
| 70362-47-9 | PCB-48 | 0.467 | | 0.010 | 0.0026 |
| 41464-40-8 | PCB-49 | 0.893 | C | 0.020 | 0.0021 |
| 62796-65-0 | PCB-50 | 0.866 | C | 0.020 | 0.0026 |
| 68194-04-7 | PCB-51 | 0.884 | C45 | 0.020 | 0.0027 |
| 35693-99-3 | PCB-52 | 0.457 | | 0.010 | 0.0027 |
| 41464-41-9 | PCB-53 | 0.866 | C50 | 0.020 | 0.0026 |
| 15968-05-5 | PCB-54 | 0.495 | | 0.010 | 0.00049 |
| 74338-24-2 | PCB-55 | 0.455 | | 0.010 | 0.0019 |
| 41464-43-1 | PCB-56 | 0.447 | | 0.010 | 0.0019 |
| 70424-67-8 | PCB-57 | 0.454 | | 0.010 | 0.0019 |
| 41464-49-7 | PCB-58 | 0.459 | | 0.010 | 0.0018 |
| 74472-33-6 | PCB-59 | 1.30 | C | 0.030 | 0.0018 |
| 33025-41-1 | PCB-60 | 0.448 | | 0.010 | 0.0018 |
| 33284-53-6 | PCB-61 | 1.75 | C | 0.040 | 0.0018 |
| 54230-22-7 | PCB-62 | 1.30 | C59 | 0.030 | 0.0018 |
| 74472-34-7 | PCB-63 | 0.443 | | 0.010 | 0.0017 |
| 52663-58-8 | PCB-64 | 0.452 | | 0.010 | 0.0017 |
| 33284-54-7 | PCB-65 | 1.32 | C44 | 0.030 | 0.0024 |
| 32598-10-0 | PCB-66 | 0.453 | | 0.010 | 0.0019 |
| 73575-53-8 | PCB-67 | 0.444 | | 0.010 | 0.0017 |
| 73575-52-7 | PCB-68 | 0.455 | | 0.010 | 0.0016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60233-24-1 | PCB-69 | 0.893 | C49 | 0.020 | 0.0021 |
| 32598-11-1 | PCB-70 | 1.75 | C61 | 0.040 | 0.0018 |
| 41464-46-4 | PCB-71 | 1.36 | C40 | 0.030 | 0.0027 |
| 41464-42-0 | PCB-72 | 0.467 | | 0.010 | 0.0018 |
| 74338-23-1 | PCB-73 | 0.901 | C43 | 0.020 | 0.0024 |
| 32690-93-0 | PCB-74 | 1.75 | C61 | 0.040 | 0.0018 |
| 32598-12-2 | PCB-75 | 1.30 | C59 | 0.030 | 0.0018 |
| 70362-48-0 | PCB-76 | 1.75 | C61 | 0.040 | 0.0018 |
| 32598-13-3 | PCB-77 | 0.474 | | 0.010 | 0.0018 |
| 70362-49-1 | PCB-78 | 0.456 | | 0.010 | 0.0018 |
| 41464-48-6 | PCB-79 | 0.454 | | 0.010 | 0.0016 |
| 33284-52-5 | PCB-80 | 0.459 | | 0.010 | 0.0017 |
| 70362-50-4 | PCB-81 | 0.489 | | 0.010 | 0.0019 |
| 52663-62-4 | PCB-82 | 0.508 | | 0.010 | 0.00066 |
| 60145-20-2 | PCB-83 | 0.979 | C | 0.020 | 0.00061 |
| 52663-60-2 | PCB-84 | 0.476 | | 0.010 | 0.00067 |
| 65510-45-4 | PCB-85 | 1.44 | C | 0.030 | 0.00047 |
| 55312-69-1 | PCB-86 | 2.82 | C | 0.060 | 0.00048 |
| 38380-02-8 | PCB-87 | 2.82 | C86 | 0.060 | 0.00048 |
| 55215-17-3 | PCB-88 | 0.932 | C | 0.020 | 0.00057 |
| 73575-57-2 | PCB-89 | 0.485 | | 0.010 | 0.00064 |
| 68194-07-0 | PCB-90 | 1.43 | C | 0.030 | 0.00051 |
| 68194-05-8 | PCB-91 | 0.932 | C88 | 0.020 | 0.00057 |
| 52663-61-3 | PCB-92 | 0.491 | | 0.010 | 0.00060 |
| 73575-56-1 | PCB-93 | 0.927 | C | 0.020 | 0.00059 |
| 73575-55-0 | PCB-94 | 0.492 | | 0.010 | 0.00064 |
| 38379-99-6 | PCB-95 | 0.483 | | 0.010 | 0.00060 |
| 73575-54-9 | PCB-96 | 0.470 | | 0.010 | 0.00047 |
| 41464-51-1 | PCB-97 | 2.82 | C86 | 0.060 | 0.00048 |
| 60233-25-2 | PCB-98 | 0.972 | C | 0.020 | 0.00058 |
| 38380-01-7 | PCB-99 | 0.979 | C83 | 0.020 | 0.00061 |
| 39485-83-1 | PCB-100 | 0.927 | C93 | 0.020 | 0.00059 |
| 37680-73-2 | PCB-101 | 1.43 | C90 | 0.030 | 0.00051 |
| 68194-06-9 | PCB-102 | 0.972 | C98 | 0.020 | 0.00058 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 60145-21-3 | PCB-103 | 0.486 | | 0.010 | 0.00056 |
| 56558-16-8 | PCB-104 | 0.472 | | 0.010 | 0.00041 |
| 32598-14-4 | PCB-105 | 0.501 | | 0.010 | 0.0054 |
| 70424-69-0 | PCB-106 | 0.483 | | 0.010 | 0.0054 |
| 70424-68-9 | PCB-107 | 0.468 | | 0.010 | 0.0051 |
| 70362-41-3 | PCB-108 | 0.942 | C | 0.020 | 0.0055 |
| 74472-35-8 | PCB-109 | 2.82 | C86 | 0.060 | 0.00048 |
| 38380-03-9 | PCB-110 | 0.973 | C | 0.020 | 0.00043 |
| 39635-32-0 | PCB-111 | 0.499 | | 0.010 | 0.00040 |
| 74472-36-9 | PCB-112 | 0.503 | | 0.010 | 0.00042 |
| 68194-10-5 | PCB-113 | 1.43 | C90 | 0.030 | 0.00051 |
| 74472-37-0 | PCB-114 | 0.482 | | 0.010 | 0.0050 |
| 74472-38-1 | PCB-115 | 0.973 | C110 | 0.020 | 0.00043 |
| 18259-05-7 | PCB-116 | 1.44 | C85 | 0.030 | 0.00047 |
| 68194-11-6 | PCB-117 | 1.44 | C85 | 0.030 | 0.00047 |
| 31508-00-6 | PCB-118 | 0.492 | | 0.010 | 0.0052 |
| 56558-17-9 | PCB-119 | 2.82 | C86 | 0.060 | 0.00048 |
| 68194-12-7 | PCB-120 | 0.480 | | 0.010 | 0.00039 |
| 56558-18-0 | PCB-121 | 0.476 | | 0.010 | 0.00041 |
| 76842-07-4 | PCB-122 | 0.480 | | 0.010 | 0.0060 |
| 65510-44-3 | PCB-123 | 0.492 | | 0.010 | 0.0052 |
| 70424-70-3 | PCB-124 | 0.942 | C108 | 0.020 | 0.0055 |
| 74472-39-2 | PCB-125 | 2.82 | C86 | 0.060 | 0.00048 |
| 57465-28-8 | PCB-126 | 0.479 | | 0.010 | 0.0053 |
| 39635-33-1 | PCB-127 | 0.507 | | 0.010 | 0.0054 |
| 38380-07-3 | PCB-128 | 0.898 | C | 0.020 | 0.0017 |
| 55215-18-4 | PCB-129 | 1.79 | C | 0.040 | 0.0017 |
| 52663-66-8 | PCB-130 | 0.451 | | 0.010 | 0.0023 |
| 61798-70-7 | PCB-131 | 0.432 | | 0.010 | 0.0022 |
| 38380-05-1 | PCB-132 | 0.440 | | 0.010 | 0.0021 |
| 35694-04-3 | PCB-133 | 0.438 | | 0.010 | 0.0021 |
| 52704-70-8 | PCB-134 | 0.882 | C | 0.020 | 0.0022 |
| 52744-13-5 | PCB-135 | 0.931 | C | 0.020 | 0.00064 |
| 38411-22-2 | PCB-136 | 0.460 | | 0.010 | 0.00048 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 35694-06-5 | PCB-137 | 0.440 | | 0.010 | 0.0018 |
| 35065-28-2 | PCB-138 | 1.79 | C129 | 0.040 | 0.0017 |
| 56030-56-9 | PCB-139 | 0.862 | C | 0.020 | 0.0019 |
| 59291-64-4 | PCB-140 | 0.862 | C139 | 0.020 | 0.0019 |
| 52712-04-6 | PCB-141 | 0.450 | | 0.010 | 0.0019 |
| 41411-61-4 | PCB-142 | 0.438 | | 0.010 | 0.0022 |
| 68194-15-0 | PCB-143 | 0.882 | C134 | 0.020 | 0.0022 |
| 68194-14-9 | PCB-144 | 0.462 | | 0.010 | 0.00061 |
| 74472-40-5 | PCB-145 | 0.464 | | 0.010 | 0.00047 |
| 51908-16-8 | PCB-146 | 0.450 | | 0.010 | 0.0019 |
| 68194-13-8 | PCB-147 | 0.869 | C | 0.020 | 0.0019 |
| 74472-41-6 | PCB-148 | 0.463 | | 0.010 | 0.00062 |
| 38380-04-0 | PCB-149 | 0.869 | C147 | 0.020 | 0.0019 |
| 68194-08-1 | PCB-150 | 0.465 | | 0.010 | 0.00045 |
| 52663-63-5 | PCB-151 | 0.931 | C135 | 0.020 | 0.00064 |
| 68194-09-2 | PCB-152 | 0.448 | | 0.010 | 0.00045 |
| 35065-27-1 | PCB-153 | 0.882 | C | 0.020 | 0.0015 |
| 60145-22-4 | PCB-154 | 0.457 | | 0.010 | 0.00055 |
| 33979-03-2 | PCB-155 | 0.458 | | 0.010 | 0.00043 |
| 38380-08-4 | PCB-156 | 0.962 | C | 0.020 | 0.0018 |
| 69782-90-7 | PCB-157 | 0.962 | C156 | 0.020 | 0.0018 |
| 74472-42-7 | PCB-158 | 0.456 | | 0.010 | 0.0013 |
| 39635-35-3 | PCB-159 | 0.454 | | 0.010 | 0.0014 |
| 41411-62-5 | PCB-160 | 1.79 | C129 | 0.040 | 0.0017 |
| 74472-43-8 | PCB-161 | 0.426 | | 0.010 | 0.0014 |
| 39635-34-2 | PCB-162 | 0.461 | | 0.010 | 0.0014 |
| 74472-44-9 | PCB-163 | 1.79 | C129 | 0.040 | 0.0017 |
| 74472-45-0 | PCB-164 | 0.449 | | 0.010 | 0.0015 |
| 74472-46-1 | PCB-165 | 0.446 | | 0.010 | 0.0017 |
| 41411-63-6 | PCB-166 | 0.898 | C128 | 0.020 | 0.0017 |
| 52663-72-6 | PCB-167 | 0.480 | | 0.010 | 0.0012 |
| 59291-65-5 | PCB-168 | 0.882 | C153 | 0.020 | 0.0015 |
| 32774-16-6 | PCB-169 | 0.477 | | 0.010 | 0.0013 |
| 35065-30-6 | PCB-170 | 0.526 | | 0.010 | 0.00033 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 52663-71-5 | PCB-171 | 1.03 | C | 0.020 | 0.00032 |
| 52663-74-8 | PCB-172 | 0.522 | | 0.010 | 0.00031 |
| 68194-16-1 | PCB-173 | 1.03 | C171 | 0.020 | 0.00032 |
| 38411-25-5 | PCB-174 | 0.524 | | 0.010 | 0.00032 |
| 40186-70-7 | PCB-175 | 0.508 | | 0.010 | 0.00029 |
| 52663-65-7 | PCB-176 | 0.511 | | 0.010 | 0.00020 |
| 52663-70-4 | PCB-177 | 0.529 | | 0.010 | 0.00033 |
| 52663-67-9 | PCB-178 | 0.509 | | 0.010 | 0.00030 |
| 52663-64-6 | PCB-179 | 0.485 | | 0.010 | 0.00022 |
| 35065-29-3 | PCB-180 | 1.04 | C | 0.020 | 0.00025 |
| 74472-47-2 | PCB-181 | 0.510 | | 0.010 | 0.00028 |
| 60145-23-5 | PCB-182 | 0.514 | | 0.010 | 0.00027 |
| 52663-69-1 | PCB-183 | 1.02 | C | 0.020 | 0.00027 |
| 74472-48-3 | PCB-184 | 0.475 | | 0.010 | 0.00022 |
| 52712-05-7 | PCB-185 | 1.02 | C183 | 0.020 | 0.00027 |
| 74472-49-4 | PCB-186 | 0.483 | | 0.010 | 0.00022 |
| 52663-68-0 | PCB-187 | 0.515 | | 0.010 | 0.00028 |
| 74487-85-7 | PCB-188 | 0.475 | | 0.010 | 0.00020 |
| 39635-31-9 | PCB-189 | 0.498 | | 0.010 | 0.0022 |
| 41411-64-7 | PCB-190 | 0.515 | | 0.010 | 0.00022 |
| 74472-50-7 | PCB-191 | 0.520 | | 0.010 | 0.00022 |
| 74472-51-8 | PCB-192 | 0.527 | | 0.010 | 0.00024 |
| 69782-91-8 | PCB-193 | 1.04 | C180 | 0.020 | 0.00025 |
| 35694-08-7 | PCB-194 | 0.494 | | 0.010 | 0.0033 |
| 52663-78-2 | PCB-195 | 0.535 | | 0.010 | 0.0039 |
| 42740-50-1 | PCB-196 | 0.462 | | 0.010 | 0.00050 |
| 33091-17-7 | PCB-197 | 0.469 | | 0.010 | 0.00036 |
| 68194-17-2 | PCB-198 | 0.922 | C | 0.020 | 0.00053 |
| 52663-75-9 | PCB-199 | 0.922 | C198 | 0.020 | 0.00053 |
| 52663-73-7 | PCB-200 | 0.486 | | 0.010 | 0.00039 |
| 40186-71-8 | PCB-201 | 0.468 | | 0.010 | 0.00037 |
| 2136-99-4 | PCB-202 | 0.467 | | 0.010 | 0.00041 |
| 52663-76-0 | PCB-203 | 0.457 | | 0.010 | 0.00047 |
| 74472-52-9 | PCB-204 | 0.477 | | 0.010 | 0.00040 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | EDL |
|---|---|---|---|---|---|
| 74472-53-0 | PCB-205 | 0.480 | | 0.010 | 0.0025 |
| 40186-72-9 | PCB-206 | 0.468 | | 0.010 | 0.0054 |
| 52663-79-3 | PCB-207 | 0.479 | | 0.010 | 0.0038 |
| 52663-77-1 | PCB-208 | 0.477 | | 0.010 | 0.0040 |
| 2051-24-3 | PCB-209 | 0.467 | | 0.010 | 0.00027 |
| 27323-18-8 | Total Monochlorobiphenyls | 1.48 | | 0.010 | 0.0013 |
| 25512-42-9 | Total Dichlorobiphenyls | 5.73 | | 0.020 | 0.00063 |
| 25323-68-6 | Total Trichlorobiphenyls | 11.2 | | 0.020 | 0.0022 |
| 26914-33-0 | Total Tetrachlorobiphenyls | 18.9 | | 0.040 | 0.0020 |
| 25429-29-2 | Total Pentachlorobiphenyls | 22.1 | | 0.060 | 0.0021 |
| 26601-64-9 | Total Hexachlorobiphenyls | 18.9 | | 0.040 | 0.0014 |
| 28655-71-2 | Total Heptachlorobiphenyls | 12.2 | | 0.020 | 0.00036 |
| 55722-26-4 | Total Octachlorobiphenyls | 5.72 | | 0.020 | 0.0012 |
| 53742-07-7 | Total Nonachlorobiphenyls | 1.42 | | 0.010 | 0.0044 |
| 1336-36-3 | Polychlorinated biphenyls, Total | 98.2 | | 0.060 | 0.0016 |

FORM I
HI-RES PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Client Sample ID:  Lab Sample ID: LCS 140-34150/13-B

Matrix: Solid  Lab File ID: lcs140-3415013-b.d

Analysis Method: 1668A  Date Collected:

Extract. Method: HRMS-Sox  Date Extracted: 10/03/2019 11:21

Sample wt/vol: 10(g)  Date Analyzed: 10/09/2019 14:41

Con. Extract Vol.: 20(mL)  Dilution Factor: 1

Injection Volume: 1(uL)  Level: (low/med) Low

% Moisture:  GPC Cleanup:(Y/N) N

Analysis Batch No.: 34298  Units: ng/g

| CAS NO. | ISOTOPE DILUTION | %REC | Q | LIMITS |
|---|---|---|---|---|
| 234432-85-0 | PCB-1L | 77 | | 30-140 |
| 208263-77-8 | PCB-3L | 74 | | 30-140 |
| 234432-86-1 | PCB-4L | 71 | | 30-140 |
| 208263-67-6 | PCB-15L | 76 | | 30-140 |
| 234432-87-2 | PCB-19L | 71 | | 30-140 |
| 208263-79-0 | PCB-37L | 78 | | 30-140 |
| 234432-88-3 | PCB-54L | 68 | | 30-140 |
| 105600-23-5 | PCB-77L | 82 | | 30-140 |
| 208461-24-9 | PCB-81L | 78 | | 30-140 |
| 234432-89-4 | PCB-104L | 83 | | 30-140 |
| 208263-62-1 | PCB-105L | 76 | | 30-140 |
| 208263-63-2 | PCB-114L | 76 | | 30-140 |
| 104130-40-7 | PCB-118L | 78 | | 30-140 |
| 208263-64-3 | PCB-123L | 76 | | 30-140 |
| 208263-65-4 | PCB-126L | 87 | | 30-140 |
| 234432-90-7 | PCB-155L | 90 | | 30-140 |
| 208263-68-7 | PCB-156L | 83 | C | 30-140 |
| 235416-30-5 | PCB-157L | 83 | C156 | 30-140 |
| 208263-69-8 | PCB-167L | 82 | | 30-140 |
| 208263-70-1 | PCB-169L | 93 | | 30-140 |
| 160901-80-4 | PCB-170L | 78 | | 30-140 |
| 234432-91-8 | PCB-188L | 78 | | 30-140 |
| 208263-73-4 | PCB-189L | 93 | | 30-140 |
| 105600-26-8 | PCB-202L | 86 | | 30-140 |
| 234446-64-1 | PCB-205L | 79 | | 30-140 |
| 208263-75-6 | PCB-206L | 70 | | 30-140 |
| 234432-92-9 | PCB-208L | 77 | | 30-140 |
| 105600-27-9 | PCB-209L | 68 | | 30-140 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---|---|---|---|---|
| 208263-76-7 | PCB-28L | 74 | | 40-125 |
| 235416-29-2 | PCB-111L | 88 | | 40-125 |
| 232919-67-4 | PCB-178L | 93 | | 40-125 |

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Lims ID: LCS 140-34150/13-B
Client ID:
Sample Type: LCS
Inject. Date: 09-Oct-2019 14:41:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-002
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 15:56:07 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1030

First Level Reviewer: davidsonm Date: 09-Oct-2019 15:56:07

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| S Total Monochlorobipheny | | | | | 147.5 | 147.5 | 0.1342 | 0.1342 | | |
| D PCB-1L | 11:46 | 3343762 | 2.97 | 1.3140 | 77.5 | 77.5 | 0.2364 | 0.2364 | 77.48 | |
| D PCB-3L | 13:57 | 3296742 | 3.29 | 1.3615 | 73.7 | 73.7 | 0.2281 | 0.2281 | 73.73 | |
| PCB-1 | 11:47 | 1953483 | 3.15 | 1.1883 | 49.2 | 49.2 | 0.1260 | 0.1260 | 98.33 | |
| PCB-2 | 13:48 | 1940444 | 3.22 | 1.1911 | 49.1 | 49.1 | 0.1345 | 0.1345 | 98.13 | |
| PCB-3 | 13:58 | 1969962 | 3.21 | 1.2130 | 49.3 | 49.3 | 0.1420 | 0.1420 | 98.52 | |
| S Total Dichlorobiphenyls | | | | | 572.6 | 572.6 | 0.0627 | 0.0627 | | |
| D PCB-4L | 14:13 | 1404357 | 1.53 | 0.5996 | 71.3 | 71.3 | 0.2418 | 0.2418 | 71.32 | |
| * PCB-9L | 16:11 | 3284168 | 1.68 | 4E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-15L | 20:06 | 2579550 | 1.60 | 1.0280 | 76.4 | 76.4 | 0.1410 | 0.1410 | 76.40 | |
| PCB-4 | 14:14 | 866959 | 1.58 | 1.2533 | 49.3 | 49.3 | 0.0911 | 0.0911 | 98.51 | |
| PCB-10 | 14:24 | 1354267 | 1.63 | 1.4828 | 45.9 | 45.9 | 0.0644 | 0.0644 | 91.70 | |
| PCB-9 | 16:12 | 1326468 | 1.60 | 1.4200 | 46.9 | 46.9 | 0.0672 | 0.0672 | 93.79 | |
| PCB-7 | 16:22 | 1541178 | 1.64 | 1.6244 | 47.6 | 47.6 | 0.0587 | 0.0587 | 95.26 | |
| PCB-6 | 16:37 | 1462657 | 1.62 | 1.5539 | 47.3 | 47.3 | 0.0614 | 0.0614 | 94.51 | |
| PCB-5 | 16:55 | 1477963 | 1.59 | 1.5606 | 47.5 | 47.5 | 0.0611 | 0.0611 | 95.08 | |
| PCB-8 | 17:03 | 1521461 | 1.62 | 1.5884 | 48.1 | 48.1 | 0.0601 | 0.0601 | 96.18 | |
| PCB-14 | 18:40 | 1866313 | 1.63 | 1.8738 | 50.0 | 50.0 | 0.0509 | 0.0509 | 100 | |
| PCB-11 | 19:30 | 1546929 | 1.55 | 1.6347 | 47.5 | 47.5 | 0.0584 | 0.0584 | 95.02 | |
| PCB-12 | 19:49 | 3114520 | 1.62 | 1.6410 | 95.3 | 95.3 | 0.0581 | 0.0581 | 95.28 | |
| PCB-13 (C12) | 19:49 | 3114520 | 1.62 | 1.6410 | 95.3 | 95.3 | 0.0581 | 0.0581 | 95.28 | |
| PCB-15 | 20:07 | 1709236 | 1.62 | 1.4024 | 47.2 | 47.2 | 0.0584 | 0.0584 | 94.50 | |
| S Total Trichlorobiphenyl | | | | | 1122.7 | 1122.7 | 0.2212 | 0.2212 | | |
| D PCB-19L | 17:19 | 992048 | 1.09 | 0.6095 | 70.9 | 70.9 | 0.5592 | 0.5592 | 70.92 | |
| * PCB-32L | 20:35 | 2295052 | 1.05 | 2.2E+04 | 100.0 | 100.0 | | | 100 | |
| * PCB-31L | 22:50 | 6478469 | 1.07 | 6.8E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-28L | 23:08 | 5267581 | 1.08 | 1.0975 | 74.1 | 74.1 | 0.2131 | 0.2131 | 74.08 | |
| D PCB-37L | 27:08 | 4578093 | 1.13 | 0.9024 | 78.3 | 78.3 | 0.2592 | 0.2592 | 78.31 | |
| PCB-19 | 17:21 | 612017 | 1.09 | 1.3047 | 47.3 | 47.3 | 0.0411 | 0.0411 | 94.57 | |
| PCB-18 | 19:11 | 1667628 | 1.06 | 1.8188 | 92.4 | 92.4 | 0.0295 | 0.0295 | 92.43 | |
| PCB-30 (C18) | 19:11 | 1667628 | 1.06 | 1.8188 | 92.4 | 92.4 | 0.0295 | 0.0295 | 92.43 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-17 | 19:37 | 714150 | 1.07 | 1.5641 | 46.0 | 46.0 | 0.0343 | 0.0343 | 92.05 | |
| PCB-27 | 19:51 | 999556 | 1.07 | 2.1680 | 46.5 | 46.5 | 0.0248 | 0.0248 | 92.95 | |
| PCB-24 | 19:59 | 941983 | 1.06 | 2.1018 | 45.2 | 45.2 | 0.0255 | 0.0255 | 90.35 | |
| PCB-16 | 20:05 | 566378 | 1.06 | 1.2260 | 46.6 | 46.6 | 0.0438 | 0.0438 | 93.13 | |
| PCB-32 | 20:36 | 1046279 | 1.06 | 2.3416 | 45.0 | 45.0 | 0.0229 | 0.0229 | 90.08 | |
| PCB-34 | 21:52 | 2614250 | 1.07 | 1.2154 | 47.0 | 47.0 | 0.3476 | 0.3476 | 93.97 | |
| PCB-23 | 22:00 | 2712710 | 1.07 | 1.2675 | 46.7 | 46.7 | 0.3333 | 0.3333 | 93.50 | |
| PCB-26 | 22:19 | 5449935 | 1.07 | 1.3193 | 90.2 | 90.2 | 0.3202 | 0.3202 | 90.23 | |
| PCB-29 (C26) | 22:19 | 5449935 | 1.07 | 1.3193 | 90.2 | 90.2 | 0.3202 | 0.3202 | 90.23 | |
| PCB-25 | 22:33 | 2817843 | 1.08 | 1.3523 | 45.5 | 45.5 | 0.3124 | 0.3124 | 91.03 | |
| PCB-31 | 22:51 | 2902152 | 1.06 | 1.3809 | 45.9 | 45.9 | 0.3060 | 0.3060 | 91.81 | |
| PCB-20 | 23:11 | 5470064 | 1.07 | 1.3057 | 91.5 | 91.5 | 0.3236 | 0.3236 | 91.51 | |
| PCB-28 (C20) | 23:11 | 5470064 | 1.07 | 1.3057 | 91.5 | 91.5 | 0.3236 | 0.3236 | 91.51 | |
| PCB-21 | 23:24 | 5666632 | 1.07 | 1.3777 | 89.8 | 89.8 | 0.3067 | 0.3067 | 89.85 | |
| PCB-33 (C21) | 23:24 | 5666632 | 1.07 | 1.3777 | 89.8 | 89.8 | 0.3067 | 0.3067 | 89.85 | |
| PCB-22 | 23:47 | 2670961 | 1.08 | 1.2430 | 46.9 | 46.9 | 0.3399 | 0.3399 | 93.87 | |
| PCB-36 | 25:21 | 3068450 | 1.06 | 1.3468 | 49.8 | 49.8 | 0.3137 | 0.3137 | 99.53 | |
| PCB-39 | 25:43 | 3225812 | 1.05 | 1.3970 | 50.4 | 50.4 | 0.3024 | 0.3024 | 101 | |
| PCB-38 | 26:17 | 2823971 | 1.08 | 1.3177 | 46.8 | 46.8 | 0.3206 | 0.3206 | 93.63 | |
| PCB-35 | 26:45 | 2875072 | 1.07 | 1.2166 | 51.6 | 51.6 | 0.3473 | 0.3473 | 103 | |
| PCB-37 | 27:10 | 3031436 | 1.06 | 1.2879 | 51.4 | 51.4 | 0.3280 | 0.3280 | 103 | |
| S Total Tetrachlorobiphen | | | | | 1892.0 | 1892.0 | 0.2032 | 0.2032 | | |
| D PCB-54L | 20:24 | 1012850 | 0.80 | 0.6515 | 67.7 | 67.7 | 0.0395 | 0.0395 | 67.74 | |
| * PCB-52L | 24:58 | 3403399 | 0.81 | 3.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-81L | 33:53 | 3264128 | 0.79 | 1.2328 | 77.8 | 77.8 | 0.1199 | 0.1199 | 77.80 | |
| D PCB-77L | 34:26 | 3508503 | 0.82 | 1.2523 | 82.3 | 82.3 | 0.1180 | 0.1180 | 82.32 | |
| PCB-54 | 20:25 | 629431 | 0.81 | 1.2558 | 49.5 | 49.5 | 0.0495 | 0.0495 | 98.97 | |
| PCB-50 | 22:36 | 2745662 | 0.80 | 0.9362 | 86.6 | 86.6 | 0.2599 | 0.2599 | 86.61 | |
| PCB-53 (C50) | 22:36 | 2745662 | 0.80 | 0.9362 | 86.6 | 86.6 | 0.2599 | 0.2599 | 86.61 | |
| PCB-45 | 23:20 | 2649248 | 0.79 | 0.8850 | 88.4 | 88.4 | 0.2749 | 0.2749 | 88.40 | M |
| PCB-51 (C45) | 23:20 | 2649248 | 0.79 | 0.8850 | 88.4 | 88.4 | 0.2749 | 0.2749 | 88.40 | M |
| PCB-46 | 23:34 | 1150355 | 0.81 | 0.7591 | 44.8 | 44.8 | 0.3205 | 0.3205 | 89.50 | |
| PCB-52 | 25:00 | 1392415 | 0.81 | 0.8992 | 45.7 | 45.7 | 0.2705 | 0.2705 | 91.45 | |
| PCB-43 | 25:08 | 3049849 | 0.82 | 0.9993 | 90.1 | 90.1 | 0.2434 | 0.2434 | 90.12 | M |
| PCB-73 (C43) | 25:08 | 3049849 | 0.82 | 0.9993 | 90.1 | 90.1 | 0.2434 | 0.2434 | 90.12 | M |
| PCB-49 | 25:27 | 3435690 | 0.80 | 1.1366 | 89.3 | 89.3 | 0.2140 | 0.2140 | 89.27 | Ma |
| PCB-69 (C49) | 25:27 | 3435690 | 0.80 | 1.1366 | 89.3 | 89.3 | 0.2140 | 0.2140 | 89.27 | Ma |
| PCB-48 | 25:46 | 1496044 | 0.82 | 0.9454 | 46.7 | 46.7 | 0.2573 | 0.2573 | 93.46 | |
| PCB-44 | 26:01 | 4631751 | 0.81 | 1.0323 | 132.5 | 132.5 | 0.2357 | 0.2357 | 88.33 | |
| PCB-47 (C44) | 26:01 | 4631751 | 0.81 | 1.0323 | 132.5 | 132.5 | 0.2357 | 0.2357 | 88.33 | |
| PCB-65 (C44) | 26:01 | 4631751 | 0.81 | 1.0323 | 132.5 | 132.5 | 0.2357 | 0.2357 | 88.33 | |
| PCB-59 | 26:18 | 5994914 | 0.80 | 1.3609 | 130.1 | 130.1 | 0.1788 | 0.1788 | 86.72 | |
| PCB-62 (C59) | 26:18 | 5994914 | 0.80 | 1.3609 | 130.1 | 130.1 | 0.1788 | 0.1788 | 86.72 | |
| PCB-75 (C59) | 26:18 | 5994914 | 0.80 | 1.3609 | 130.1 | 130.1 | 0.1788 | 0.1788 | 86.72 | |
| PCB-42 | 26:31 | 1354363 | 0.81 | 0.8670 | 46.1 | 46.1 | 0.2806 | 0.2806 | 92.26 | |
| PCB-40 | 27:00 | 4230727 | 0.82 | 0.9179 | 136.1 | 136.1 | 0.2650 | 0.2650 | 90.74 | M |
| PCB-41 (C40) | 27:00 | 4230727 | 0.82 | 0.9179 | 136.1 | 136.1 | 0.2650 | 0.2650 | 90.74 | M |
| PCB-71 (C40) | 27:00 | 4230727 | 0.82 | 0.9179 | 136.1 | 136.1 | 0.2650 | 0.2650 | 90.74 | M |
| PCB-64 | 27:13 | 2168917 | 0.81 | 1.4164 | 45.2 | 45.2 | 0.1718 | 0.1718 | 90.44 | |
| PCB-72 | 28:04 | 2082214 | 0.81 | 1.3157 | 46.7 | 46.7 | 0.1849 | 0.1849 | 93.47 | |
| PCB-68 | 28:21 | 2278121 | 0.81 | 1.4782 | 45.5 | 45.5 | 0.1646 | 0.1646 | 91.02 | |
| PCB-57 | 28:46 | 1969019 | 0.82 | 1.2817 | 45.4 | 45.4 | 0.1898 | 0.1898 | 90.73 | |
| PCB-58 | 29:00 | 2053990 | 0.82 | 1.3214 | 45.9 | 45.9 | 0.1841 | 0.1841 | 91.81 | |
| PCB-67 | 29:10 | 2096004 | 0.80 | 1.3944 | 44.4 | 44.4 | 0.1745 | 0.1745 | 88.78 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-63 | 29:26 | 2201418 | 0.81 | 1.4685 | 44.3 | 44.3 | 0.1657 | 0.1657 | 88.54 | |
| PCB-61 | 29:46 | 8052191 | 0.80 | 1.3565 | 175.3 | 175.3 | 0.1793 | 0.1793 | 87.65 | |
| PCB-70 (C61) | 29:46 | 8052191 | 0.80 | 1.3565 | 175.3 | 175.3 | 0.1793 | 0.1793 | 87.65 | |
| PCB-74 (C61) | 29:46 | 8052191 | 0.80 | 1.3565 | 175.3 | 175.3 | 0.1793 | 0.1793 | 87.65 | |
| PCB-76 (C61) | 29:46 | 8052191 | 0.80 | 1.3565 | 175.3 | 175.3 | 0.1793 | 0.1793 | 87.65 | |
| PCB-66 | 30:06 | 1963755 | 0.84 | 1.2800 | 45.3 | 45.3 | 0.1901 | 0.1901 | 90.61 | |
| PCB-55 | 30:15 | 1995438 | 0.81 | 1.2951 | 45.5 | 45.5 | 0.1878 | 0.1878 | 91.00 | |
| PCB-56 | 30:46 | 1916610 | 0.82 | 1.2671 | 44.7 | 44.7 | 0.1920 | 0.1920 | 89.34 | |
| PCB-60 | 30:59 | 2014693 | 0.80 | 1.3288 | 44.8 | 44.8 | 0.1831 | 0.1831 | 89.55 | |
| PCB-80 | 31:23 | 2282235 | 0.81 | 1.4694 | 45.9 | 45.9 | 0.1656 | 0.1656 | 91.73 | |
| PCB-79 | 32:55 | 2369510 | 0.81 | 1.5421 | 45.4 | 45.4 | 0.1578 | 0.1578 | 90.75 | |
| PCB-78 | 33:28 | 2028774 | 0.79 | 1.3150 | 45.6 | 45.6 | 0.1850 | 0.1850 | 91.12 | |
| PCB-81 | 33:54 | 2109078 | 0.80 | 1.3214 | 48.9 | 48.9 | 0.1888 | 0.1888 | 97.79 | |
| PCB-77 | 34:28 | 2214528 | 0.80 | 1.3308 | 47.4 | 47.4 | 0.1784 | 0.1784 | 94.86 | |
| S Total Pentachlorobiphen | | | | | 2212.1 | 2212.1 | 0.2086 | 0.2086 | | |
| D PCB-104L | 25:55 | 2281440 | 1.65 | 1.1164 | 83.0 | 83.0 | 0.0347 | 0.0347 | 82.99 | |
| * PCB-101L | 31:49 | 2462349 | 1.59 | 3.4E+04 | 100.0 | 100.0 | | | 100 | |
| $ PCB-111L | 34:30 | 2624864 | 1.60 | 1.2177 | 87.5 | 87.5 | 0.0318 | 0.0318 | 87.54 | |
| D PCB-123L | 36:27 | 3574038 | 1.58 | 0.9909 | 76.4 | 76.4 | 0.8537 | 0.8537 | 76.43 | |
| D PCB-118L | 36:47 | 3782186 | 1.65 | 1.0256 | 78.1 | 78.1 | 0.8249 | 0.8249 | 78.15 | |
| D PCB-114L | 37:18 | 3607304 | 1.61 | 1.0030 | 76.2 | 76.2 | 0.8435 | 0.8435 | 76.21 | |
| D PCB-105L | 37:57 | 3607356 | 1.64 | 1.0013 | 76.3 | 76.3 | 0.8449 | 0.8449 | 76.34 | |
| * PCB-127L | 39:26 | 4719212 | 1.60 | 4.9E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-126L | 41:03 | 3699144 | 1.64 | 0.9020 | 86.9 | 86.9 | 0.9379 | 0.9379 | 86.90 | |
| PCB-104 | 25:56 | 1501110 | 1.61 | 1.3926 | 47.2 | 47.2 | 0.0413 | 0.0413 | 94.50 | |
| PCB-96 | 26:18 | 1314971 | 1.60 | 1.2268 | 47.0 | 47.0 | 0.0469 | 0.0469 | 93.96 | |
| PCB-103 | 28:14 | 1145621 | 1.61 | 1.0331 | 48.6 | 48.6 | 0.0557 | 0.0557 | 97.21 | |
| PCB-94 | 28:28 | 1013993 | 1.62 | 0.9036 | 49.2 | 49.2 | 0.0637 | 0.0637 | 98.37 | |
| PCB-95 | 28:54 | 1060584 | 1.59 | 0.9620 | 48.3 | 48.3 | 0.0598 | 0.0598 | 96.64 | |
| PCB-93 | 29:08 | 2073313 | 1.61 | 0.9806 | 92.7 | 92.7 | 0.0587 | 0.0587 | 92.67 | |
| PCB-100 (C93) | 29:08 | 2073313 | 1.61 | 0.9806 | 92.7 | 92.7 | 0.0587 | 0.0587 | 92.67 | |
| PCB-98 | 29:16 | 2192608 | 1.59 | 0.9888 | 97.2 | 97.2 | 0.0582 | 0.0582 | 97.19 | Ma |
| PCB-102 (C98) | 29:16 | 2192608 | 1.59 | 0.9888 | 97.2 | 97.2 | 0.0582 | 0.0582 | 97.19 | Ma |
| PCB-88 | 29:46 | 2137650 | 1.59 | 1.0052 | 93.2 | 93.2 | 0.0572 | 0.0572 | 93.21 | M |
| PCB-91 (C88) | 29:46 | 2137650 | 1.59 | 1.0052 | 93.2 | 93.2 | 0.0572 | 0.0572 | 93.21 | M |
| PCB-84 | 29:59 | 933800 | 1.58 | 0.8601 | 47.6 | 47.6 | 0.0669 | 0.0669 | 95.17 | |
| PCB-89 | 30:28 | 988220 | 1.63 | 0.8936 | 48.5 | 48.5 | 0.0644 | 0.0644 | 96.95 | |
| PCB-121 | 30:53 | 1516048 | 1.61 | 1.3971 | 47.6 | 47.6 | 0.0412 | 0.0412 | 95.13 | |
| PCB-92 | 31:15 | 1068773 | 1.61 | 0.9532 | 49.1 | 49.1 | 0.0604 | 0.0604 | 98.29 | |
| PCB-90 | 31:50 | 3707798 | 1.56 | 1.1367 | 143.0 | 143.0 | 0.0506 | 0.0506 | 95.32 | |
| PCB-101 (C90) | 31:50 | 3707798 | 1.56 | 1.1367 | 143.0 | 143.0 | 0.0506 | 0.0506 | 95.32 | |
| PCB-113 (C90) | 31:50 | 3707798 | 1.56 | 1.1367 | 143.0 | 143.0 | 0.0506 | 0.0506 | 95.32 | |
| PCB-83 | 32:25 | 2098562 | 1.60 | 0.9393 | 97.9 | 97.9 | 0.0613 | 0.0613 | 97.93 | |
| PCB-99 (C83) | 32:25 | 2098562 | 1.60 | 0.9393 | 97.9 | 97.9 | 0.0613 | 0.0613 | 97.93 | |
| PCB-112 | 32:32 | 1568876 | 1.60 | 1.3672 | 50.3 | 50.3 | 0.0421 | 0.0421 | 101 | |
| PCB-86 | 32:55 | 7690441 | 1.58 | 1.1958 | 281.9 | 281.9 | 0.0481 | 0.0481 | 93.97 | M |
| PCB-87 (C86) | 32:55 | 7690441 | 1.58 | 1.1958 | 281.9 | 281.9 | 0.0481 | 0.0481 | 93.97 | M |
| PCB-97 (C86) | 32:55 | 7690441 | 1.58 | 1.1958 | 281.9 | 281.9 | 0.0481 | 0.0481 | 93.97 | M |
| PCB-109 (C86) | 32:55 | 7690441 | 1.58 | 1.1958 | 281.9 | 281.9 | 0.0481 | 0.0481 | 93.97 | M |
| PCB-119 (C86) | 32:55 | 7690441 | 1.58 | 1.1958 | 281.9 | 281.9 | 0.0481 | 0.0481 | 93.97 | M |
| PCB-125 (C86) | 32:55 | 7690441 | 1.58 | 1.1958 | 281.9 | 281.9 | 0.0481 | 0.0481 | 93.97 | M |
| PCB-85 | 33:38 | 3993010 | 1.58 | 1.2126 | 144.3 | 144.3 | 0.0475 | 0.0475 | 96.22 | |
| PCB-116 (C85) | 33:38 | 3993010 | 1.58 | 1.2126 | 144.3 | 144.3 | 0.0475 | 0.0475 | 96.22 | |
| PCB-117 (C85) | 33:38 | 3993010 | 1.58 | 1.2126 | 144.3 | 144.3 | 0.0475 | 0.0475 | 96.22 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-110 | 33:53 | 2999345 | 1.60 | 1.3511 | 97.3 | 97.3 | 0.0426 | 0.0426 | 97.30 | |
| PCB-115 (C110) | 33:53 | 2999345 | 1.60 | 1.3511 | 97.3 | 97.3 | 0.0426 | 0.0426 | 97.30 | |
| PCB-82 | 34:07 | 1004646 | 1.58 | 0.8675 | 50.8 | 50.8 | 0.0663 | 0.0663 | 102 | |
| PCB-111 | 34:32 | 1622633 | 1.57 | 1.4262 | 49.9 | 49.9 | 0.0403 | 0.0403 | 99.74 | |
| PCB-120 | 34:59 | 1632756 | 1.57 | 1.4907 | 48.0 | 48.0 | 0.0386 | 0.0386 | 96.01 | |
| PCB-108 | 36:07 | 4316571 | 1.58 | 1.2547 | 94.2 | 94.2 | 0.5534 | 0.5534 | 94.15 | |
| PCB-124 (C108) | 36:07 | 4316571 | 1.58 | 1.2547 | 94.2 | 94.2 | 0.5534 | 0.5534 | 94.15 | |
| PCB-107 | 36:22 | 2323132 | 1.57 | 1.3580 | 46.8 | 46.8 | 0.5113 | 0.5113 | 93.64 | |
| PCB-123 | 36:29 | 2357323 | 1.61 | 1.3407 | 49.2 | 49.2 | 0.5164 | 0.5164 | 98.40 | |
| PCB-106 | 36:36 | 2250962 | 1.57 | 1.2749 | 48.3 | 48.3 | 0.5446 | 0.5446 | 96.64 | |
| PCB-118 | 36:48 | 2400877 | 1.60 | 1.2892 | 49.2 | 49.2 | 0.5171 | 0.5171 | 98.48 | |
| PCB-122 | 37:09 | 2037080 | 1.59 | 1.1614 | 48.0 | 48.0 | 0.5978 | 0.5978 | 96.01 | |
| PCB-114 | 37:20 | 2441671 | 1.57 | 1.4051 | 48.2 | 48.2 | 0.5017 | 0.5017 | 96.35 | |
| PCB-105 | 37:59 | 2329788 | 1.69 | 1.2887 | 50.1 | 50.1 | 0.5399 | 0.5399 | 100 | |
| PCB-127 | 39:28 | 2377131 | 1.62 | 1.2841 | 50.7 | 50.7 | 0.5407 | 0.5407 | 101 | |
| PCB-126 | 41:03 | 2376126 | 1.58 | 1.3416 | 47.9 | 47.9 | 0.5320 | 0.5320 | 95.76 | |
| S Total Hexachlorobipheny | | | | | 1894.4 | 1894.4 | 0.1400 | 0.1400 | | |
| D PCB-155L | 31:35 | 2105352 | 1.28 | 0.9499 | 90.0 | 90.0 | 0.0594 | 0.0594 | 90.01 | |
| * PCB-138L | 39:54 | 3191577 | 1.27 | 3.6E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-167L | 42:55 | 3288340 | 1.29 | 1.2544 | 82.1 | 82.1 | 0.4432 | 0.4432 | 82.13 | |
| D PCB-156L | 44:04 | 6471796 | 1.27 | 1.2289 | 165.0 | 165.0 | 0.4524 | 0.4524 | 82.50 | |
| D PCB-157L (C156L) | 44:04 | 6471796 | 1.27 | 1.2289 | 165.0 | 165.0 | 0.4524 | 0.4524 | 82.50 | |
| D PCB-169L | 47:18 | 3219704 | 1.27 | 1.0883 | 92.7 | 92.7 | 0.5109 | 0.5109 | 92.69 | |
| PCB-155 | 31:37 | 1255294 | 1.30 | 1.3028 | 45.8 | 45.8 | 0.0429 | 0.0429 | 91.53 | |
| PCB-152 | 31:48 | 1184946 | 1.30 | 1.2556 | 44.8 | 44.8 | 0.0445 | 0.0445 | 89.65 | |
| PCB-150 | 31:58 | 1210483 | 1.28 | 1.2368 | 46.5 | 46.5 | 0.0452 | 0.0452 | 92.97 | |
| PCB-136 | 32:20 | 1120641 | 1.27 | 1.1563 | 46.0 | 46.0 | 0.0484 | 0.0484 | 92.07 | |
| PCB-145 | 32:38 | 1162286 | 1.28 | 1.1910 | 46.4 | 46.4 | 0.0470 | 0.0470 | 92.71 | |
| PCB-148 | 34:10 | 875017 | 1.28 | 0.8982 | 46.3 | 46.3 | 0.0623 | 0.0623 | 92.54 | |
| PCB-135 | 34:44 | 1703403 | 1.26 | 0.8691 | 93.1 | 93.1 | 0.0643 | 0.0643 | 93.09 | Ma |
| PCB-151 (C135) | 34:44 | 1703403 | 1.26 | 0.8691 | 93.1 | 93.1 | 0.0643 | 0.0643 | 93.09 | Ma |
| PCB-154 | 35:00 | 978454 | 1.28 | 1.0180 | 45.7 | 45.7 | 0.0549 | 0.0549 | 91.30 | |
| PCB-144 | 35:18 | 892612 | 1.26 | 0.9185 | 46.2 | 46.2 | 0.0609 | 0.0609 | 92.32 | |
| PCB-147 | 35:40 | 2748229 | 1.26 | 0.9747 | 86.9 | 86.9 | 0.1914 | 0.1914 | 86.89 | |
| PCB-149 (C147) | 35:40 | 2748229 | 1.26 | 0.9747 | 86.9 | 86.9 | 0.1914 | 0.1914 | 86.89 | |
| PCB-134 | 35:58 | 2437153 | 1.26 | 0.8518 | 88.2 | 88.2 | 0.2190 | 0.2190 | 88.17 | |
| PCB-143 (C134) | 35:58 | 2437153 | 1.26 | 0.8518 | 88.2 | 88.2 | 0.2190 | 0.2190 | 88.17 | |
| PCB-139 | 36:16 | 2795450 | 1.28 | 0.9995 | 86.2 | 86.2 | 0.1867 | 0.1867 | 86.19 | |
| PCB-140 (C139) | 36:16 | 2795450 | 1.28 | 0.9995 | 86.2 | 86.2 | 0.1867 | 0.1867 | 86.19 | |
| PCB-131 | 36:28 | 1204701 | 1.30 | 0.8584 | 43.2 | 43.2 | 0.2174 | 0.2174 | 86.50 | |
| PCB-142 | 36:37 | 1222874 | 1.23 | 0.8597 | 43.8 | 43.8 | 0.2170 | 0.2170 | 87.67 | |
| PCB-132 | 36:55 | 1257072 | 1.26 | 0.8801 | 44.0 | 44.0 | 0.2120 | 0.2120 | 88.04 | |
| PCB-133 | 37:26 | 1287713 | 1.28 | 0.9064 | 43.8 | 43.8 | 0.2059 | 0.2059 | 87.56 | |
| PCB-165 | 37:50 | 1622351 | 1.26 | 1.1210 | 44.6 | 44.6 | 0.1664 | 0.1664 | 89.20 | |
| PCB-146 | 38:05 | 1474048 | 1.27 | 1.0084 | 45.0 | 45.0 | 0.1850 | 0.1850 | 90.10 | |
| PCB-161 | 38:12 | 1846508 | 1.28 | 1.3370 | 42.6 | 42.6 | 0.1396 | 0.1396 | 85.12 | |
| PCB-153 | 38:43 | 3491781 | 1.26 | 1.2207 | 88.2 | 88.2 | 0.1529 | 0.1529 | 88.15 | |
| PCB-168 (C153) | 38:43 | 3491781 | 1.26 | 1.2207 | 88.2 | 88.2 | 0.1529 | 0.1529 | 88.15 | |
| PCB-141 | 38:52 | 1403928 | 1.26 | 0.9608 | 45.0 | 45.0 | 0.1942 | 0.1942 | 90.06 | |
| PCB-130 | 39:18 | 1210255 | 1.27 | 0.8274 | 45.1 | 45.1 | 0.2255 | 0.2255 | 90.15 | |
| PCB-137 | 39:31 | 1509975 | 1.26 | 1.0582 | 44.0 | 44.0 | 0.1763 | 0.1763 | 87.94 | |
| PCB-164 | 39:38 | 1826353 | 1.26 | 1.2527 | 44.9 | 44.9 | 0.1489 | 0.1489 | 89.86 | |
| PCB-129 | 39:57 | 6313241 | 1.25 | 1.0840 | 179.5 | 179.5 | 0.1721 | 0.1721 | 89.74 | M |
| PCB-138 (C129) | 39:57 | 6313241 | 1.25 | 1.0840 | 179.5 | 179.5 | 0.1721 | 0.1721 | 89.74 | M |
| PCB-160 (C129) | 39:57 | 6313241 | 1.25 | 1.0840 | 179.5 | 179.5 | 0.1721 | 0.1721 | 89.74 | M |
| PCB-163 (C129) | 39:57 | 6313241 | 1.25 | 1.0840 | 179.5 | 179.5 | 0.1721 | 0.1721 | 89.74 | M |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | 40:19 | 2048955 | 1.25 | 1.3862 | 45.6 | 45.6 | 0.1346 | 0.1346 | 91.10 | |
| PCB-128 | 41:10 | 3254445 | 1.25 | 1.1165 | 89.8 | 89.8 | 0.1671 | 0.1671 | 89.83 | |
| PCB-166 (C128) | 41:10 | 3254445 | 1.25 | 1.1165 | 89.8 | 89.8 | 0.1671 | 0.1671 | 89.83 | |
| PCB-159 | 42:10 | 1942617 | 1.25 | 1.3178 | 45.4 | 45.4 | 0.1416 | 0.1416 | 90.85 | |
| PCB-162 | 42:27 | 2039046 | 1.25 | 1.3623 | 46.1 | 46.1 | 0.1370 | 0.1370 | 92.25 | |
| PCB-167 | 42:56 | 2106863 | 1.26 | 1.3357 | 48.0 | 48.0 | 0.1155 | 0.1155 | 95.94 | |
| PCB-156 | 44:05 | 3971580 | 1.26 | 1.2759 | 96.2 | 96.2 | 0.1769 | 0.1769 | 96.19 | |
| PCB-157 (C156) | 44:05 | 3971580 | 1.26 | 1.2759 | 96.2 | 96.2 | 0.1769 | 0.1769 | 96.19 | |
| PCB-169 | 47:19 | 1969547 | 1.26 | 1.2825 | 47.7 | 47.7 | 0.1279 | 0.1279 | 95.39 | |
| S Total Heptachlorobiphen | | | | | 1223.8 | 1223.8 | 0.0358 | 0.0358 | | |
| D PCB-188L | 37:19 | 2635136 | 1.07 | 1.3162 | 77.9 | 77.9 | 0.0428 | 0.0428 | 77.93 | |
| $ PCB-178L | 40:22 | 2194165 | 1.07 | 0.9222 | 92.6 | 92.6 | 0.0610 | 0.0610 | 92.60 | |
| * PCB-180L | 45:28 | 2569230 | 1.03 | 3.2E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-170L | 46:43 | 1679063 | 1.06 | 0.8357 | 78.2 | 78.2 | 0.0673 | 0.0673 | 78.20 | |
| D PCB-189L | 49:49 | 4253998 | 1.04 | 1.4666 | 92.7 | 92.7 | 0.4339 | 0.4339 | 92.70 | |
| PCB-188 | 37:21 | 1564515 | 1.07 | 1.2502 | 47.5 | 47.5 | 0.0195 | 0.0195 | 94.98 | |
| PCB-179 | 37:41 | 1478877 | 1.05 | 1.4149 | 48.5 | 48.5 | 0.0218 | 0.0218 | 96.91 | |
| PCB-184 | 38:12 | 1452783 | 1.03 | 1.4191 | 47.5 | 47.5 | 0.0217 | 0.0217 | 94.92 | |
| PCB-176 | 38:34 | 1675884 | 1.06 | 1.5212 | 51.1 | 51.1 | 0.0203 | 0.0203 | 102 | |
| PCB-186 | 39:01 | 1493902 | 1.05 | 1.4350 | 48.3 | 48.3 | 0.0215 | 0.0215 | 96.52 | |
| PCB-178 | 40:23 | 1122520 | 1.02 | 1.0228 | 50.9 | 50.9 | 0.0302 | 0.0302 | 102 | |
| PCB-175 | 41:02 | 1171544 | 1.06 | 1.0690 | 50.8 | 50.8 | 0.0289 | 0.0289 | 102 | |
| PCB-187 | 41:18 | 1234431 | 1.06 | 1.1106 | 51.5 | 51.5 | 0.0278 | 0.0278 | 103 | |
| PCB-182 | 41:30 | 1274189 | 1.08 | 1.1484 | 51.4 | 51.4 | 0.0269 | 0.0269 | 103 | |
| PCB-183 | 41:54 | 2513425 | 1.06 | 1.1368 | 102.5 | 102.5 | 0.0271 | 0.0271 | 102 | M |
| PCB-185 (C183) | 41:54 | 2513425 | 1.06 | 1.1368 | 102.5 | 102.5 | 0.0271 | 0.0271 | 102 | M |
| PCB-174 | 42:08 | 1079018 | 1.08 | 0.9547 | 52.4 | 52.4 | 0.0323 | 0.0323 | 105 | |
| PCB-177 | 42:35 | 1075537 | 1.10 | 0.9426 | 52.9 | 52.9 | 0.0327 | 0.0327 | 106 | |
| PCB-181 | 42:59 | 1218405 | 1.08 | 1.1075 | 51.0 | 51.0 | 0.0279 | 0.0279 | 102 | |
| PCB-171 | 43:12 | 2135988 | 1.06 | 0.9603 | 103.1 | 103.1 | 0.0321 | 0.0321 | 103 | |
| PCB-173 (C171) | 43:12 | 2135988 | 1.06 | 0.9603 | 103.1 | 103.1 | 0.0321 | 0.0321 | 103 | |
| PCB-172 | 44:50 | 1115888 | 1.05 | 0.9918 | 52.2 | 52.2 | 0.0311 | 0.0311 | 104 | |
| PCB-192 | 45:07 | 1466801 | 1.06 | 1.2904 | 52.7 | 52.7 | 0.0239 | 0.0239 | 105 | |
| PCB-180 | 45:26 | 2750266 | 1.06 | 1.2286 | 103.8 | 103.8 | 0.0251 | 0.0251 | 104 | |
| PCB-193 (C180) | 45:26 | 2750266 | 1.06 | 1.2286 | 103.8 | 103.8 | 0.0251 | 0.0251 | 104 | |
| PCB-191 | 45:50 | 1554812 | 1.04 | 1.3848 | 52.0 | 52.0 | 0.0223 | 0.0223 | 104 | |
| PCB-170 | 46:44 | 1120908 | 1.07 | 1.2700 | 52.6 | 52.6 | 0.0330 | 0.0330 | 105 | |
| PCB-190 | 47:15 | 1530504 | 1.06 | 1.3774 | 51.5 | 51.5 | 0.0224 | 0.0224 | 103 | |
| PCB-189 | 49:51 | 2711534 | 1.08 | 1.2799 | 49.8 | 49.8 | 0.2240 | 0.2240 | 99.61 | |
| S Total Octachlorobipheny | | | | | 571.6 | 571.6 | 0.1182 | 0.1182 | | |
| D PCB-202L | 42:41 | 2212294 | 0.90 | 1.0055 | 85.6 | 85.6 | 0.0299 | 0.0299 | 85.63 | |
| * PCB-194L | 51:56 | 3129124 | 0.94 | 3.5E+04 | 100.0 | 100.0 | | | 100 | |
| D PCB-205L | 52:25 | 3167831 | 0.91 | 1.2867 | 78.7 | 78.7 | 0.0958 | 0.0958 | 78.68 | |
| PCB-202 | 42:43 | 1087437 | 0.96 | 1.0531 | 46.7 | 46.7 | 0.0413 | 0.0413 | 93.35 | |
| PCB-201 | 43:38 | 1227065 | 0.94 | 1.1860 | 46.8 | 46.8 | 0.0367 | 0.0367 | 93.53 | |
| PCB-204 | 44:19 | 1161991 | 0.90 | 1.1009 | 47.7 | 47.7 | 0.0395 | 0.0395 | 95.42 | |
| PCB-197 | 44:32 | 1249802 | 0.90 | 1.2053 | 46.9 | 46.9 | 0.0361 | 0.0361 | 93.74 | |
| PCB-200 | 44:38 | 1209794 | 0.89 | 1.1260 | 48.6 | 48.6 | 0.0386 | 0.0386 | 97.13 | |
| PCB-198 | 47:26 | 1668293 | 0.90 | 0.8183 | 92.2 | 92.2 | 0.0532 | 0.0532 | 92.16 | |
| PCB-199 (C198) | 47:26 | 1668293 | 0.90 | 0.8183 | 92.2 | 92.2 | 0.0532 | 0.0532 | 92.16 | |
| PCB-196 | 48:06 | 894708 | 0.92 | 0.8748 | 46.2 | 46.2 | 0.0497 | 0.0497 | 92.46 | |
| PCB-203 | 48:18 | 932242 | 0.88 | 0.9219 | 45.7 | 45.7 | 0.0472 | 0.0472 | 91.42 | |
| PCB-195 | 49:37 | 1329227 | 0.92 | 0.7839 | 53.5 | 53.5 | 0.3862 | 0.3862 | 107 | |

| Compound | RT (min.) | Area | Ratio | Ical RRF | Amount pg/ul | EMPC pg/ul | Noise EDL | Final EDL | %Rec | Flags |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | 51:58 | 1451785 | 0.91 | 0.9282 | 49.4 | 49.4 | 0.3262 | 0.3262 | 98.75 | |
| PCB-205 | 52:26 | 1877982 | 0.91 | 1.2342 | 48.0 | 48.0 | 0.2453 | 0.2453 | 96.07 | |
| S Total Nonachlorobipheny | | | | | 142.4 | 142.4 | 0.4403 | 0.4403 | | |
| D PCB-208L | 49:22 | 2756419 | 0.77 | 1.1383 | 77.4 | 77.4 | 0.3153 | 0.3153 | 77.39 | |
| D PCB-206L | 54:11 | 1970230 | 0.78 | 0.8938 | 70.4 | 70.4 | 0.4016 | 0.4016 | 70.44 | |
| PCB-208 | 49:23 | 1520772 | 0.81 | 1.1567 | 47.7 | 47.7 | 0.3979 | 0.3979 | 95.39 | |
| PCB-207 | 50:19 | 1580705 | 0.79 | 1.3964 | 47.9 | 47.9 | 0.3841 | 0.3841 | 95.80 | |
| PCB-206 | 54:12 | 1098728 | 0.77 | 1.1927 | 46.8 | 46.8 | 0.5388 | 0.5388 | 93.51 | |
| D PCB-209L | 55:50 | 2081205 | 0.71 | 0.9809 | 67.8 | 67.8 | 0.0771 | 0.0771 | 67.81 | |
| DCB Decachlorobiphenyl | 55:51 | 1211667 | 0.71 | 1.2455 | 46.7 | 46.7 | 0.0268 | 0.0268 | 93.49 | |
| S Polychlorinated bipheny | | | | | 9678.4 | 9678.4 | 0.1619 | 0.1619 | | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Worksheet Report

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Lims ID: LCS 140-34150/13-B
Client ID:
Sample Type: LCS
Inject. Date: 09-Oct-2019 14:41:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 140-0013340-002
Operator ID: Xcalibur_System Instrument ID: D3D

Method: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\PCBs_D3D.m
Limit Group: HR - 1668A - ICAL
Last Update: 09-Oct-2019 15:56:07 Calib Date: 21-Aug-2019 19:05:00
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\D3D\20190813-12717.b\d4190821i6.d

Column 1 : SPB-Octyl ( 0.25 mm) Det: F1(11.07 :21.70 )
Process Host: CTX1030

First Level Reviewer: davidsonm Date: 09-Oct-2019 15:56:07

| Signal | RT (min.) | Adj RT (min.) | Δ Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1L | | | | | | | | | | | |
| 200.0795 | 11:46 | 11:47 | 0 | 0.727 | 2501894 | 949114 | 426 | 1065 | 2228 | | |
| 202.0766 | 11:46 | 11:47 | 0 | 0.727 | 841868 | 321497 | 780 | 1950 | 412 | 2.97(2.66-3.60) | |
| PCB-3L | | | | | | | | | | | |
| 200.0795 | 13:57 | 13:57 | 1 | 0.862 | 2528643 | 843276 | 426 | 1065 | 1980 | | |
| 202.0766 | 13:57 | 13:57 | 1 | 0.862 | 768099 | 260675 | 780 | 1950 | 334 | 3.29(2.66-3.60) | |
| PCB-1 | | | | | | | | | | | |
| 188.0393 | 11:47 | 11:47 | 0 | 1.001 | 1482922 | 574546 | 522 | 1305 | 1101 | | |
| 190.0363 | 11:47 | 11:47 | 0 | 1.001 | 470561 | 187173 | 239 | 597 | 783 | 3.15(2.66-3.60) | |
| PCB-2 | | | | | | | | | | | |
| 188.0393 | 13:48 | 13:47 | 2 | 0.989 | 1481090 | 493895 | 522 | 1305 | 946 | | |
| 190.0363 | 13:48 | 13:47 | 2 | 0.989 | 459354 | 149847 | 239 | 597 | 627 | 3.22(2.66-3.60) | |
| PCB-3 | | | | | | | | | | | |
| 188.0393 | 13:58 | 13:58 | 1 | 1.001 | 1502558 | 485293 | 522 | 1305 | 930 | | |
| 190.0363 | 13:58 | 13:58 | 1 | 1.001 | 467404 | 154680 | 239 | 597 | 647 | 3.21(2.66-3.60) | |
| PCB-4L | | | | | | | | | | | |
| 234.0406 | 14:13 | 14:12 | 2 | 0.879 | 848573 | 279330 | 476 | 1190 | 587 | | |
| 236.0376 | 14:13 | 14:12 | 2 | 0.879 | 555784 | 182104 | 87 | 217 | 2093 | 1.53(1.33-1.79) | |
| PCB-9L | | | | | | | | | | | |
| 234.0406 | 16:11 | 16:10 | 1 | | 2057526 | 612619 | 476 | 1190 | 1287 | | |
| 236.0376 | 16:11 | 16:10 | 1 | | 1226642 | 357998 | 87 | 217 | 4115 | 1.68(1.33-1.79) | |
| PCB-15L | | | | | | | | | | | |
| 234.0406 | 20:06 | 20:06 | 2 | 1.243 | 1587243 | 394896 | 476 | 1190 | 830 | | |
| 236.0376 | 20:06 | 20:06 | 2 | 1.243 | 992307 | 248242 | 87 | 217 | 2853 | 1.60(1.33-1.79) | |
| PCB-4 | | | | | | | | | | | |
| 222.0003 | 14:14 | 14:14 | 2 | 1.001 | 530481 | 178086 | 94 | 235 | 1895 | | |
| 223.9974 | 14:14 | 14:14 | 2 | 1.001 | 336478 | 113945 | 117 | 292 | 974 | 1.58(1.33-1.79) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-10 | | | | | | | | | | | |
| 222.0003 | 14:24 | 14:25 | 1 | 1.013 | 838587 | 281710 | 94 | 235 | 2997 | | |
| 223.9974 | 14:24 | 14:25 | 1 | 1.013 | 515680 | 173509 | 117 | 292 | 1483 | 1.63(1.33-1.79) | |
| PCB-9 | | | | | | | | | | | |
| 222.0003 | 16:12 | 16:13 | 2 | 1.140 | 815792 | 245212 | 94 | 235 | 2609 | | |
| 223.9974 | 16:12 | 16:13 | 2 | 1.140 | 510676 | 153110 | 117 | 292 | 1309 | 1.60(1.33-1.79) | |
| PCB-7 | | | | | | | | | | | |
| 222.0003 | 16:22 | 16:23 | 1 | 1.151 | 957585 | 276079 | 94 | 235 | 2937 | | |
| 223.9974 | 16:22 | 16:23 | 1 | 1.151 | 583593 | 171962 | 117 | 292 | 1470 | 1.64(1.33-1.79) | |
| PCB-6 | | | | | | | | | | | |
| 222.0003 | 16:37 | 16:37 | 2 | 1.169 | 905372 | 267912 | 94 | 235 | 2850 | | |
| 223.9974 | 16:37 | 16:37 | 2 | 1.169 | 557285 | 161705 | 117 | 292 | 1382 | 1.62(1.33-1.79) | |
| PCB-5 | | | | | | | | | | | |
| 222.0003 | 16:55 | 16:55 | 2 | 1.190 | 908048 | 268050 | 94 | 235 | 2852 | | |
| 223.9974 | 16:55 | 16:55 | 2 | 1.190 | 569915 | 167731 | 117 | 292 | 1434 | 1.59(1.33-1.79) | |
| PCB-8 | | | | | | | | | | | |
| 222.0003 | 17:03 | 17:03 | 2 | 1.199 | 940109 | 267505 | 94 | 235 | 2846 | | |
| 223.9974 | 17:03 | 17:03 | 2 | 1.199 | 581352 | 165403 | 117 | 292 | 1414 | 1.62(1.33-1.79) | |
| PCB-14 | | | | | | | | | | | |
| 222.0003 | 18:40 | 18:40 | 2 | 0.928 | 1157086 | 310401 | 94 | 235 | 3302 | | |
| 223.9974 | 18:40 | 18:40 | 2 | 0.928 | 709227 | 191050 | 117 | 292 | 1633 | 1.63(1.33-1.79) | |
| PCB-11 | | | | | | | | | | | |
| 222.0003 | 19:30 | 19:30 | 2 | 0.970 | 939818 | 242852 | 94 | 235 | 2584 | | |
| 223.9974 | 19:30 | 19:30 | 2 | 0.970 | 607111 | 153109 | 117 | 292 | 1309 | 1.55(1.33-1.79) | |
| PCB-12 | | | | | | | | | | | |
| 222.0003 | 19:49 | 19:50 | 1 | 0.986 | 1927724 | 298210 | 94 | 235 | 3172 | | |
| 223.9974 | 19:48 | 19:50 | 1 | 0.985 | 1186796 | 182979 | 117 | 292 | 1564 | 1.62(1.33-1.79) | |
| PCB-13 (C12) | | | | | | | | | | | |
| 222.0003 | 19:49 | 19:50 | 1 | 0.986 | 1927724 | 298210 | 94 | 235 | 3172 | | |
| 223.9974 | 19:48 | 19:50 | 1 | 0.985 | 1186796 | 182979 | 117 | 292 | 1564 | 1.62(1.33-1.79) | |
| PCB-15 | | | | | | | | | | | |
| 222.0003 | 20:07 | 20:08 | 1 | 1.001 | 1056460 | 248475 | 94 | 235 | 2643 | | |
| 223.9974 | 20:07 | 20:08 | 1 | 1.001 | 652776 | 154585 | 117 | 292 | 1321 | 1.62(1.33-1.79) | |
| PCB-19L | | | | | | | | | | | |
| 268.0016 | 17:19 | 17:19 | 1 | 0.842 | 517804 | 146611 | 415 | 1037 | 353 | | |
| 269.9986 | 17:19 | 17:19 | 1 | 0.842 | 474244 | 132782 | 390 | 975 | 340 | 1.09(0.88-1.20) | |
| PCB-32L | | | | | | | | | | | |
| 268.0016 | 20:35 | 20:33 | 1 | | 1176088 | 301614 | 415 | 1037 | 727 | | |
| 269.9986 | 20:35 | 20:33 | 1 | | 1118964 | 288731 | 390 | 975 | 740 | 1.05(0.88-1.20) | |
| PCB-31L | | | | | | | | | | | |
| 268.0016 | 22:50 | 22:49 | 1 | | 3354392 | 799110 | 824 | 2060 | 970 | | |
| 269.9986 | 22:50 | 22:49 | 1 | | 3124077 | 743218 | 619 | 1547 | 1201 | 1.07(0.88-1.20) | |
| PCB-28L | | | | | | | | | | | |
| 268.0016 | 23:08 | 23:08 | 2 | 1.013 | 2729681 | 645761 | 824 | 2060 | 784 | | |
| 269.9986 | 23:08 | 23:08 | 2 | 1.013 | 2537900 | 611834 | 619 | 1547 | 988 | 1.08(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-37L | | | | | | | | | | | |
| 268.0016 | 27:08 | 27:08 | 1 | 1.188 | 2427856 | 517955 | 824 | 2060 | 629 | | |
| 269.9986 | 27:08 | 27:08 | 1 | 1.188 | 2150237 | 462421 | 619 | 1547 | 747 | 1.13(0.88-1.20) | |
| PCB-19 | | | | | | | | | | | |
| 255.9613 | 17:21 | 17:20 | 2 | 1.002 | 319485 | 92268 | 29 | 72 | 3182 | | |
| 257.9584 | 17:21 | 17:20 | 2 | 1.002 | 292532 | 85329 | 31 | 77 | 2753 | 1.09(0.88-1.20) | |
| PCB-18 | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:11 | 2 | 1.108 | 859951 | 190866 | 29 | 72 | 6582 | | |
| 257.9584 | 19:11 | 19:11 | 2 | 1.108 | 807677 | 175645 | 31 | 77 | 5666 | 1.06(0.88-1.20) | |
| PCB-30 (C18) | | | | | | | | | | | |
| 255.9613 | 19:11 | 19:11 | 2 | 1.108 | 859951 | 190866 | 29 | 72 | 6582 | | |
| 257.9584 | 19:11 | 19:11 | 2 | 1.108 | 807677 | 175645 | 31 | 77 | 5666 | 1.06(0.88-1.20) | |
| PCB-17 | | | | | | | | | | | |
| 255.9613 | 19:37 | 19:37 | 1 | 1.133 | 369465 | 96255 | 29 | 72 | 3319 | | |
| 257.9584 | 19:37 | 19:37 | 1 | 1.133 | 344685 | 91639 | 31 | 77 | 2956 | 1.07(0.88-1.20) | |
| PCB-27 | | | | | | | | | | | |
| 255.9613 | 19:51 | 19:50 | 2 | 1.146 | 517153 | 130705 | 29 | 72 | 4507 | | |
| 257.9584 | 19:51 | 19:50 | 2 | 1.146 | 482403 | 124715 | 31 | 77 | 4023 | 1.07(0.88-1.20) | |
| PCB-24 | | | | | | | | | | | |
| 255.9613 | 19:59 | 19:58 | 2 | 1.153 | 485532 | 126938 | 29 | 72 | 4377 | | |
| 257.9584 | 19:58 | 19:58 | 1 | 1.153 | 456451 | 118870 | 31 | 77 | 3835 | 1.06(0.88-1.20) | |
| PCB-16 | | | | | | | | | | | |
| 255.9613 | 20:05 | 20:05 | 1 | 1.160 | 291780 | 75681 | 29 | 72 | 2610 | | |
| 257.9584 | 20:05 | 20:05 | 1 | 1.160 | 274598 | 72847 | 31 | 77 | 2350 | 1.06(0.88-1.20) | |
| PCB-32 | | | | | | | | | | | |
| 255.9613 | 20:36 | 20:35 | 2 | 1.190 | 537647 | 136077 | 29 | 72 | 4692 | | |
| 257.9584 | 20:36 | 20:35 | 2 | 1.190 | 508632 | 129527 | 31 | 77 | 4178 | 1.06(0.88-1.20) | |
| PCB-34 | | | | | | | | | | | |
| 255.9613 | 21:52 | 21:51 | 2 | 1.263 | 1352457 | 334828 | 786 | 1965 | 426 | | |
| 257.9584 | 21:52 | 21:51 | 2 | 1.263 | 1261793 | 309736 | 871 | 2177 | 356 | 1.07(0.88-1.20) | |
| PCB-23 | | | | | | | | | | | |
| 255.9613 | 22:00 | 22:00 | 1 | 1.271 | 1402655 | 337047 | 786 | 1965 | 429 | | |
| 257.9584 | 22:00 | 22:00 | 1 | 1.271 | 1310055 | 313047 | 871 | 2177 | 359 | 1.07(0.88-1.20) | |
| PCB-26 | | | | | | | | | | | |
| 255.9613 | 22:19 | 22:19 | 1 | 1.289 | 2821133 | 538041 | 786 | 1965 | 685 | | |
| 257.9584 | 22:19 | 22:19 | 1 | 1.289 | 2628802 | 508764 | 871 | 2177 | 584 | 1.07(0.88-1.20) | |
| PCB-29 (C26) | | | | | | | | | | | |
| 255.9613 | 22:19 | 22:19 | 1 | 1.289 | 2821133 | 538041 | 786 | 1965 | 685 | | |
| 257.9584 | 22:19 | 22:19 | 1 | 1.289 | 2628802 | 508764 | 871 | 2177 | 584 | 1.07(0.88-1.20) | |
| PCB-25 | | | | | | | | | | | |
| 255.9613 | 22:33 | 22:33 | 1 | 0.831 | 1462912 | 336613 | 786 | 1965 | 428 | | |
| 257.9584 | 22:33 | 22:33 | 1 | 0.831 | 1354931 | 307542 | 871 | 2177 | 353 | 1.08(0.88-1.20) | |
| PCB-31 | | | | | | | | | | | |
| 255.9613 | 22:51 | 22:51 | 1 | 0.842 | 1496472 | 359255 | 786 | 1965 | 457 | | |
| 257.9584 | 22:51 | 22:51 | 1 | 0.842 | 1405680 | 340164 | 871 | 2177 | 391 | 1.06(0.88-1.20) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-20 | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:10 | 2 | 0.854 | 2831319 | 561752 | 786 | 1965 | 715 | | |
| 257.9584 | 23:11 | 23:10 | 2 | 0.854 | 2638745 | 525350 | 871 | 2177 | 603 | 1.07(0.88-1.20) | |
| PCB-28 (C20) | | | | | | | | | | | |
| 255.9613 | 23:11 | 23:10 | 2 | 0.854 | 2831319 | 561752 | 786 | 1965 | 715 | | |
| 257.9584 | 23:11 | 23:10 | 2 | 0.854 | 2638745 | 525350 | 871 | 2177 | 603 | 1.07(0.88-1.20) | |
| PCB-21 | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:23 | 1 | 0.862 | 2931530 | 375792 | 786 | 1965 | 478 | | |
| 257.9584 | 23:24 | 23:23 | 1 | 0.862 | 2735102 | 352002 | 871 | 2177 | 404 | 1.07(0.88-1.20) | |
| PCB-33 (C21) | | | | | | | | | | | |
| 255.9613 | 23:24 | 23:23 | 1 | 0.862 | 2931530 | 375792 | 786 | 1965 | 478 | | |
| 257.9584 | 23:24 | 23:23 | 1 | 0.862 | 2735102 | 352002 | 871 | 2177 | 404 | 1.07(0.88-1.20) | |
| PCB-22 | | | | | | | | | | | |
| 255.9613 | 23:47 | 23:47 | 1 | 0.877 | 1383891 | 326039 | 786 | 1965 | 415 | | |
| 257.9584 | 23:47 | 23:47 | 1 | 0.877 | 1287070 | 305887 | 871 | 2177 | 351 | 1.08(0.88-1.20) | |
| PCB-36 | | | | | | | | | | | |
| 255.9613 | 25:21 | 25:21 | 1 | 0.934 | 1577010 | 343257 | 786 | 1965 | 437 | | |
| 257.9584 | 25:21 | 25:21 | 1 | 0.934 | 1491440 | 320759 | 871 | 2177 | 368 | 1.06(0.88-1.20) | |
| PCB-39 | | | | | | | | | | | |
| 255.9613 | 25:43 | 25:42 | 1 | 0.947 | 1654339 | 380825 | 786 | 1965 | 485 | | |
| 257.9584 | 25:43 | 25:42 | 1 | 0.947 | 1571473 | 351144 | 871 | 2177 | 403 | 1.05(0.88-1.20) | |
| PCB-38 | | | | | | | | | | | |
| 255.9613 | 26:17 | 26:17 | 1 | 0.969 | 1463685 | 319998 | 786 | 1965 | 407 | | |
| 257.9584 | 26:17 | 26:17 | 1 | 0.969 | 1360286 | 301716 | 871 | 2177 | 346 | 1.08(0.88-1.20) | |
| PCB-35 | | | | | | | | | | | |
| 255.9613 | 26:45 | 26:45 | 1 | 0.986 | 1487890 | 317593 | 786 | 1965 | 404 | | |
| 257.9584 | 26:45 | 26:45 | 1 | 0.986 | 1387182 | 291334 | 871 | 2177 | 334 | 1.07(0.88-1.20) | |
| PCB-37 | | | | | | | | | | | |
| 255.9613 | 27:10 | 27:10 | 1 | 1.001 | 1557851 | 324933 | 786 | 1965 | 413 | | |
| 257.9584 | 27:10 | 27:10 | 1 | 1.001 | 1473585 | 304146 | 871 | 2177 | 349 | 1.06(0.88-1.20) | |
| PCB-54L | | | | | | | | | | | |
| 301.9626 | 20:24 | 20:23 | 2 | 0.817 | 449545 | 120443 | 53 | 132 | 2273 | | |
| 303.9597 | 20:24 | 20:23 | 2 | 0.817 | 563305 | 148445 | 8 | 20 | 18556 | 0.80(0.65-0.89) | |
| PCB-52L | | | | | | | | | | | |
| 301.9626 | 24:58 | 24:57 | 1 | | 1523772 | 355238 | 191 | 477 | 1860 | | |
| 303.9597 | 24:58 | 24:57 | 1 | | 1879627 | 443249 | 281 | 702 | 1577 | 0.81(0.65-0.89) | |
| PCB-81L | | | | | | | | | | | |
| 301.9626 | 33:53 | 33:54 | 1 | 1.357 | 1441194 | 305437 | 191 | 477 | 1599 | | |
| 303.9597 | 33:53 | 33:54 | 1 | 1.357 | 1822934 | 368784 | 281 | 702 | 1312 | 0.79(0.65-0.89) | |
| PCB-77L | | | | | | | | | | | |
| 301.9626 | 34:26 | 34:28 | 1 | 1.379 | 1575897 | 317110 | 191 | 477 | 1660 | | |
| 303.9597 | 34:26 | 34:28 | 1 | 1.379 | 1932606 | 391483 | 281 | 702 | 1393 | 0.82(0.65-0.89) | |
| PCB-54 | | | | | | | | | | | |
| 289.9224 | 20:25 | 20:24 | 1 | 1.000 | 281701 | 69918 | 25 | 62 | 2797 | | |
| 291.9194 | 20:25 | 20:24 | 1 | 1.000 | 347730 | 89796 | 42 | 105 | 2138 | 0.81(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-50 | | | | | | | | | | | |
| 289.9224 | 22:36 | 22:37 | 1 | 1.108 | 1216853 | 234753 | 328 | 820 | 716 | | |
| 291.9194 | 22:36 | 22:37 | 1 | 1.108 | 1528809 | 297613 | 345 | 862 | 863 | 0.80(0.65-0.89) | |
| PCB-53 (C50) | | | | | | | | | | | |
| 289.9224 | 22:36 | 22:37 | 1 | 1.108 | 1216853 | 234753 | 328 | 820 | 716 | | |
| 291.9194 | 22:36 | 22:37 | 1 | 1.108 | 1528809 | 297613 | 345 | 862 | 863 | 0.80(0.65-0.89) | |
| PCB-45 | | | | | | | | | | | M |
| 289.9224 | 23:20 | 23:21 | 2 | 1.144 | 1170176 | 148711 | 328 | 820 | 453 | | M |
| 291.9194 | 23:20 | 23:21 | 2 | 1.144 | 1479072 | 188672 | 345 | 862 | 547 | 0.79(0.65-0.89) | M |
| PCB-51 (C45) | | | | | | | | | | | M |
| 289.9224 | 23:20 | 23:21 | 2 | 1.144 | 1170176 | 148711 | 328 | 820 | 453 | | M |
| 291.9194 | 23:20 | 23:21 | 2 | 1.144 | 1479072 | 188672 | 345 | 862 | 547 | 0.79(0.65-0.89) | M |
| PCB-46 | | | | | | | | | | | |
| 289.9224 | 23:34 | 23:35 | 1 | 1.155 | 513396 | 122982 | 328 | 820 | 375 | | |
| 291.9194 | 23:34 | 23:35 | 1 | 1.155 | 636959 | 153370 | 345 | 862 | 445 | 0.81(0.65-0.89) | |
| PCB-52 | | | | | | | | | | | |
| 289.9224 | 25:00 | 25:00 | 2 | 1.225 | 624724 | 147494 | 328 | 820 | 450 | | |
| 291.9194 | 24:59 | 25:00 | 1 | 1.224 | 767691 | 181837 | 345 | 862 | 527 | 0.81(0.65-0.89) | |
| PCB-43 | | | | | | | | | | | M |
| 289.9224 | 25:08 | 25:09 | 1 | 1.232 | 1369802 | 191627 | 328 | 820 | 584 | | M |
| 291.9194 | 25:08 | 25:09 | 1 | 1.232 | 1680047 | 244197 | 345 | 862 | 708 | 0.82(0.65-0.89) | M |
| PCB-73 (C43) | | | | | | | | | | | M |
| 289.9224 | 25:08 | 25:09 | 1 | 1.232 | 1369802 | 191627 | 328 | 820 | 584 | | M |
| 291.9194 | 25:08 | 25:09 | 1 | 1.232 | 1680047 | 244197 | 345 | 862 | 708 | 0.82(0.65-0.89) | M |
| PCB-49 | | | | | | | | | | | Ma |
| 289.9224 | 25:27 | 25:27 | 2 | 1.247 | 1529442 | 235384 | 328 | 820 | 718 | | M |
| 291.9194 | 25:26 | 25:27 | 1 | 1.247 | 1906248 | 292654 | 345 | 862 | 848 | 0.80(0.65-0.89) | |
| PCB-69 (C49) | | | | | | | | | | | Ma |
| 289.9224 | 25:27 | 25:27 | 2 | 1.247 | 1529442 | 235384 | 328 | 820 | 718 | | M |
| 291.9194 | 25:26 | 25:27 | 1 | 1.247 | 1906248 | 292654 | 345 | 862 | 848 | 0.80(0.65-0.89) | |
| PCB-48 | | | | | | | | | | | |
| 289.9224 | 25:46 | 25:47 | 1 | 1.262 | 672418 | 156055 | 328 | 820 | 476 | | |
| 291.9194 | 25:46 | 25:47 | 1 | 1.262 | 823626 | 192841 | 345 | 862 | 559 | 0.82(0.65-0.89) | |
| PCB-44 | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | 1 | 1.275 | 2076123 | 366764 | 328 | 820 | 1118 | | |
| 291.9194 | 26:01 | 26:02 | 1 | 1.275 | 2555628 | 452905 | 345 | 862 | 1313 | 0.81(0.65-0.89) | |
| PCB-47 (C44) | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | 1 | 1.275 | 2076123 | 366764 | 328 | 820 | 1118 | | |
| 291.9194 | 26:01 | 26:02 | 1 | 1.275 | 2555628 | 452905 | 345 | 862 | 1313 | 0.81(0.65-0.89) | |
| PCB-65 (C44) | | | | | | | | | | | |
| 289.9224 | 26:01 | 26:02 | 1 | 1.275 | 2076123 | 366764 | 328 | 820 | 1118 | | |
| 291.9194 | 26:01 | 26:02 | 1 | 1.275 | 2555628 | 452905 | 345 | 862 | 1313 | 0.81(0.65-0.89) | |
| PCB-59 | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | 1 | 1.289 | 2661633 | 401461 | 328 | 820 | 1224 | | |
| 291.9194 | 26:18 | 26:20 | 1 | 1.289 | 3333281 | 506482 | 345 | 862 | 1468 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-62 (C59) | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | 1 | 1.289 | 2661633 | 401461 | 328 | 820 | 1224 | | |
| 291.9194 | 26:18 | 26:20 | 1 | 1.289 | 3333281 | 506482 | 345 | 862 | 1468 | 0.80(0.65-0.89) | |
| PCB-75 (C59) | | | | | | | | | | | |
| 289.9224 | 26:18 | 26:20 | 1 | 1.289 | 2661633 | 401461 | 328 | 820 | 1224 | | |
| 291.9194 | 26:18 | 26:20 | 1 | 1.289 | 3333281 | 506482 | 345 | 862 | 1468 | 0.80(0.65-0.89) | |
| PCB-42 | | | | | | | | | | | |
| 289.9224 | 26:31 | 26:32 | 1 | 1.299 | 607335 | 134060 | 328 | 820 | 409 | | |
| 291.9194 | 26:31 | 26:32 | 1 | 1.299 | 747028 | 169657 | 345 | 862 | 492 | 0.81(0.65-0.89) | |
| PCB-40 | | | | | | | | | | | M |
| 289.9224 | 27:00 | 27:02 | 1 | 1.324 | 1901187 | 294080 | 328 | 820 | 897 | | M |
| 291.9194 | 27:00 | 27:02 | 1 | 1.324 | 2329540 | 363502 | 345 | 862 | 1054 | 0.82(0.65-0.89) | M |
| PCB-41 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:00 | 27:02 | 1 | 1.324 | 1901187 | 294080 | 328 | 820 | 897 | | M |
| 291.9194 | 27:00 | 27:02 | 1 | 1.324 | 2329540 | 363502 | 345 | 862 | 1054 | 0.82(0.65-0.89) | M |
| PCB-71 (C40) | | | | | | | | | | | M |
| 289.9224 | 27:00 | 27:02 | 1 | 1.324 | 1901187 | 294080 | 328 | 820 | 897 | | M |
| 291.9194 | 27:00 | 27:02 | 1 | 1.324 | 2329540 | 363502 | 345 | 862 | 1054 | 0.82(0.65-0.89) | M |
| PCB-64 | | | | | | | | | | | |
| 289.9224 | 27:13 | 27:15 | 1 | 1.334 | 970853 | 215624 | 328 | 820 | 657 | | |
| 291.9194 | 27:13 | 27:15 | 1 | 1.334 | 1198064 | 270224 | 345 | 862 | 783 | 0.81(0.65-0.89) | |
| PCB-72 | | | | | | | | | | | |
| 289.9224 | 28:04 | 28:03 | 1 | 0.828 | 932504 | 211342 | 328 | 820 | 644 | | |
| 291.9194 | 28:04 | 28:03 | 1 | 0.828 | 1149710 | 258545 | 345 | 862 | 749 | 0.81(0.65-0.89) | |
| PCB-68 | | | | | | | | | | | |
| 289.9224 | 28:21 | 28:20 | 1 | 0.837 | 1021574 | 211491 | 328 | 820 | 645 | | |
| 291.9194 | 28:21 | 28:20 | 1 | 0.837 | 1256547 | 265060 | 345 | 862 | 768 | 0.81(0.65-0.89) | |
| PCB-57 | | | | | | | | | | | |
| 289.9224 | 28:46 | 28:45 | 1 | 0.849 | 885847 | 195682 | 328 | 820 | 597 | | |
| 291.9194 | 28:46 | 28:45 | 1 | 0.849 | 1083172 | 243770 | 345 | 862 | 707 | 0.82(0.65-0.89) | |
| PCB-58 | | | | | | | | | | | |
| 289.9224 | 29:00 | 28:59 | 1 | 0.856 | 926205 | 199618 | 328 | 820 | 609 | | |
| 291.9194 | 29:00 | 28:59 | 1 | 0.856 | 1127785 | 248722 | 345 | 862 | 721 | 0.82(0.65-0.89) | |
| PCB-67 | | | | | | | | | | | |
| 289.9224 | 29:10 | 29:09 | 1 | 0.861 | 932239 | 197268 | 328 | 820 | 601 | | |
| 291.9194 | 29:10 | 29:09 | 1 | 0.861 | 1163765 | 245984 | 345 | 862 | 713 | 0.80(0.65-0.89) | |
| PCB-63 | | | | | | | | | | | |
| 289.9224 | 29:26 | 29:25 | 1 | 0.869 | 985233 | 206015 | 328 | 820 | 628 | | |
| 291.9194 | 29:26 | 29:25 | 1 | 0.869 | 1216185 | 261014 | 345 | 862 | 757 | 0.81(0.65-0.89) | |
| PCB-61 | | | | | | | | | | | |
| 289.9224 | 29:46 | 29:46 | 1 | 0.879 | 3587987 | 403055 | 328 | 820 | 1229 | | |
| 291.9194 | 29:46 | 29:46 | 1 | 0.879 | 4464204 | 502093 | 345 | 862 | 1455 | 0.80(0.65-0.89) | |
| PCB-70 (C61) | | | | | | | | | | | |
| 289.9224 | 29:46 | 29:46 | 1 | 0.879 | 3587987 | 403055 | 328 | 820 | 1229 | | |
| 291.9194 | 29:46 | 29:46 | 1 | 0.879 | 4464204 | 502093 | 345 | 862 | 1455 | 0.80(0.65-0.89) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-74 (C61) | | | | | | | | | | | |
| 289.9224 | 29:46 | 29:46 | 1 | 0.879 | 3587987 | 403055 | 328 | 820 | 1229 | | |
| 291.9194 | 29:46 | 29:46 | 1 | 0.879 | 4464204 | 502093 | 345 | 862 | 1455 | 0.80(0.65-0.89) | |
| PCB-76 (C61) | | | | | | | | | | | |
| 289.9224 | 29:46 | 29:46 | 1 | 0.879 | 3587987 | 403055 | 328 | 820 | 1229 | | |
| 291.9194 | 29:46 | 29:46 | 1 | 0.879 | 4464204 | 502093 | 345 | 862 | 1455 | 0.80(0.65-0.89) | |
| PCB-66 | | | | | | | | | | | |
| 289.9224 | 30:06 | 30:05 | 1 | 0.888 | 896501 | 183049 | 328 | 820 | 558 | | |
| 291.9194 | 30:05 | 30:05 | 1 | 0.888 | 1067254 | 228470 | 345 | 862 | 662 | 0.84(0.65-0.89) | |
| PCB-55 | | | | | | | | | | | |
| 289.9224 | 30:15 | 30:15 | 1 | 0.893 | 894051 | 196006 | 328 | 820 | 598 | | |
| 291.9194 | 30:15 | 30:15 | 1 | 0.893 | 1101387 | 242486 | 345 | 862 | 703 | 0.81(0.65-0.89) | |
| PCB-56 | | | | | | | | | | | |
| 289.9224 | 30:46 | 30:45 | 1 | 0.908 | 862316 | 186609 | 328 | 820 | 569 | | |
| 291.9194 | 30:46 | 30:45 | 1 | 0.908 | 1054294 | 232275 | 345 | 862 | 673 | 0.82(0.65-0.89) | |
| PCB-60 | | | | | | | | | | | |
| 289.9224 | 30:59 | 30:58 | 1 | 0.914 | 895189 | 190120 | 328 | 820 | 580 | | |
| 291.9194 | 30:59 | 30:58 | 1 | 0.914 | 1119504 | 244960 | 345 | 862 | 710 | 0.80(0.65-0.89) | |
| PCB-80 | | | | | | | | | | | |
| 289.9224 | 31:23 | 31:23 | 1 | 0.926 | 1019133 | 219808 | 328 | 820 | 670 | | |
| 291.9194 | 31:23 | 31:23 | 1 | 0.926 | 1263102 | 274282 | 345 | 862 | 795 | 0.81(0.65-0.89) | |
| PCB-79 | | | | | | | | | | | |
| 289.9224 | 32:55 | 32:54 | 1 | 0.971 | 1059911 | 211580 | 328 | 820 | 645 | | |
| 291.9194 | 32:55 | 32:54 | 1 | 0.971 | 1309599 | 264983 | 345 | 862 | 768 | 0.81(0.65-0.89) | |
| PCB-78 | | | | | | | | | | | |
| 289.9224 | 33:28 | 33:28 | 1 | 0.988 | 894432 | 183960 | 328 | 820 | 561 | | |
| 291.9194 | 33:28 | 33:28 | 1 | 0.988 | 1134342 | 231447 | 345 | 862 | 671 | 0.79(0.65-0.89) | |
| PCB-81 | | | | | | | | | | | |
| 289.9224 | 33:54 | 33:54 | 1 | 1.001 | 935972 | 190105 | 328 | 820 | 580 | | |
| 291.9194 | 33:54 | 33:54 | 1 | 1.001 | 1173106 | 241611 | 345 | 862 | 700 | 0.80(0.65-0.89) | |
| PCB-77 | | | | | | | | | | | |
| 289.9224 | 34:28 | 34:28 | 1 | 1.001 | 985378 | 201195 | 328 | 820 | 613 | | |
| 291.9194 | 34:28 | 34:28 | 1 | 1.001 | 1229150 | 245809 | 345 | 862 | 712 | 0.80(0.65-0.89) | |
| PCB-104L | | | | | | | | | | | |
| 337.9207 | 25:55 | 25:54 | 1 | 0.814 | 1420453 | 322077 | 53 | 132 | 6077 | | |
| 339.9178 | 25:55 | 25:54 | 1 | 0.814 | 860987 | 194089 | 30 | 75 | 6470 | 1.65(1.32-1.78) | |
| PCB-101L | | | | | | | | | | | |
| 337.9207 | 31:49 | 31:48 | 1 | | 1512408 | 325918 | 53 | 132 | 6149 | | |
| 339.9178 | 31:49 | 31:48 | 1 | | 949941 | 209186 | 30 | 75 | 6973 | 1.59(1.32-1.78) | |
| PCB-111L | | | | | | | | | | | |
| 337.9207 | 34:30 | 34:30 | 1 | 1.084 | 1614318 | 347433 | 53 | 132 | 6555 | | |
| 339.9178 | 34:30 | 34:30 | 1 | 1.084 | 1010546 | 213681 | 30 | 75 | 7123 | 1.60(1.32-1.78) | |
| PCB-123L | | | | | | | | | | | |
| 337.9207 | 36:27 | 36:28 | 1 | 1.146 | 2188112 | 454664 | 2167 | 5417 | 210 | | |
| 339.9178 | 36:27 | 36:28 | 1 | 1.146 | 1385926 | 293105 | 1045 | 2612 | 280 | 1.58(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118L | | | | | | | | | | | |
| 337.9207 | 36:47 | 36:48 | 1 | 1.156 | 2352631 | 481589 | 2167 | 5417 | 222 | | |
| 339.9178 | 36:47 | 36:48 | 1 | 1.156 | 1429555 | 294950 | 1045 | 2612 | 282 | 1.65(1.32-1.78) | |
| PCB-114L | | | | | | | | | | | |
| 337.9207 | 37:18 | 37:19 | 1 | 1.172 | 2225753 | 449432 | 2167 | 5417 | 207 | | |
| 339.9178 | 37:18 | 37:19 | 1 | 1.172 | 1381551 | 285017 | 1045 | 2612 | 273 | 1.61(1.32-1.78) | |
| PCB-105L | | | | | | | | | | | |
| 337.9207 | 37:57 | 37:59 | 1 | 1.193 | 2241106 | 463021 | 2167 | 5417 | 214 | | |
| 339.9178 | 37:57 | 37:59 | 1 | 1.193 | 1366250 | 280979 | 1045 | 2612 | 269 | 1.64(1.32-1.78) | |
| PCB-127L | | | | | | | | | | | |
| 337.9207 | 39:26 | 39:26 | 1 | | 2902660 | 586393 | 2167 | 5417 | 271 | | |
| 339.9178 | 39:26 | 39:26 | 1 | | 1816552 | 362800 | 1045 | 2612 | 347 | 1.60(1.32-1.78) | |
| PCB-126L | | | | | | | | | | | |
| 337.9207 | 41:03 | 41:04 | 0 | 1.290 | 2300050 | 452993 | 2167 | 5417 | 209 | | |
| 339.9178 | 41:03 | 41:04 | 0 | 1.290 | 1399094 | 272399 | 1045 | 2612 | 261 | 1.64(1.32-1.78) | |
| PCB-104 | | | | | | | | | | | |
| 325.8804 | 25:56 | 25:56 | 1 | 1.001 | 925277 | 214887 | 78 | 195 | 2755 | | |
| 327.8775 | 25:56 | 25:56 | 1 | 1.001 | 575833 | 133615 | 41 | 102 | 3259 | 1.61(1.32-1.78) | |
| PCB-96 | | | | | | | | | | | |
| 325.8804 | 26:18 | 26:18 | 1 | 1.015 | 809668 | 185071 | 78 | 195 | 2373 | | |
| 327.8775 | 26:18 | 26:18 | 1 | 1.015 | 505303 | 115774 | 41 | 102 | 2824 | 1.60(1.32-1.78) | |
| PCB-103 | | | | | | | | | | | |
| 325.8804 | 28:14 | 28:15 | 1 | 1.090 | 706979 | 156708 | 78 | 195 | 2009 | | |
| 327.8775 | 28:14 | 28:15 | 1 | 1.090 | 438642 | 99220 | 41 | 102 | 2420 | 1.61(1.32-1.78) | |
| PCB-94 | | | | | | | | | | | |
| 325.8804 | 28:28 | 28:28 | 1 | 1.099 | 626366 | 132972 | 78 | 195 | 1705 | | |
| 327.8775 | 28:27 | 28:28 | 1 | 1.098 | 387627 | 85605 | 41 | 102 | 2088 | 1.62(1.32-1.78) | |
| PCB-95 | | | | | | | | | | | |
| 325.8804 | 28:54 | 28:54 | 1 | 1.115 | 651852 | 141991 | 78 | 195 | 1820 | | |
| 327.8775 | 28:54 | 28:54 | 1 | 1.115 | 408732 | 88942 | 41 | 102 | 2169 | 1.59(1.32-1.78) | |
| PCB-93 | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:08 | 1 | 1.124 | 1278582 | 268042 | 78 | 195 | 3436 | | |
| 327.8775 | 29:07 | 29:08 | 1 | 1.124 | 794731 | 166881 | 41 | 102 | 4070 | 1.61(1.32-1.78) | |
| PCB-100 (C93) | | | | | | | | | | | |
| 325.8804 | 29:08 | 29:08 | 1 | 1.124 | 1278582 | 268042 | 78 | 195 | 3436 | | |
| 327.8775 | 29:07 | 29:08 | 1 | 1.124 | 794731 | 166881 | 41 | 102 | 4070 | 1.61(1.32-1.78) | |
| PCB-98 | | | | | | | | | | | Ma |
| 325.8804 | 29:16 | 29:16 | 1 | 1.130 | 1346544 | 159991 | 78 | 195 | 2051 | | M |
| 327.8775 | 29:16 | 29:16 | 1 | 1.130 | 846064 | 103644 | 41 | 102 | 2528 | 1.59(1.32-1.78) | |
| PCB-102 (C98) | | | | | | | | | | | Ma |
| 325.8804 | 29:16 | 29:16 | 1 | 1.130 | 1346544 | 159991 | 78 | 195 | 2051 | | M |
| 327.8775 | 29:16 | 29:16 | 1 | 1.130 | 846064 | 103644 | 41 | 102 | 2528 | 1.59(1.32-1.78) | |
| PCB-88 | | | | | | | | | | | M |
| 325.8804 | 29:46 | 29:46 | 1 | 1.149 | 1312098 | 154017 | 78 | 195 | 1975 | | M |
| 327.8775 | 29:46 | 29:46 | 1 | 1.149 | 825552 | 96196 | 41 | 102 | 2346 | 1.59(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-91 (C88) | | | | | | | | | | | M |
| 325.8804 | 29:46 | 29:46 | 1 | 1.149 | 1312098 | 154017 | 78 | 195 | 1975 | | M |
| 327.8775 | 29:46 | 29:46 | 1 | 1.149 | 825552 | 96196 | 41 | 102 | 2346 | 1.59(1.32-1.78) | M |
| PCB-84 | | | | | | | | | | | |
| 325.8804 | 29:59 | 29:59 | 1 | 1.157 | 572106 | 126492 | 78 | 195 | 1622 | | |
| 327.8775 | 29:59 | 29:59 | 1 | 1.157 | 361694 | 76183 | 41 | 102 | 1858 | 1.58(1.32-1.78) | |
| PCB-89 | | | | | | | | | | | |
| 325.8804 | 30:28 | 30:28 | 1 | 1.176 | 612122 | 131199 | 78 | 195 | 1682 | | |
| 327.8775 | 30:28 | 30:28 | 1 | 1.176 | 376098 | 81506 | 41 | 102 | 1988 | 1.63(1.32-1.78) | |
| PCB-121 | | | | | | | | | | | |
| 325.8804 | 30:53 | 30:54 | 1 | 1.192 | 935163 | 203328 | 78 | 195 | 2607 | | |
| 327.8775 | 30:53 | 30:54 | 1 | 1.192 | 580885 | 124355 | 41 | 102 | 3033 | 1.61(1.32-1.78) | |
| PCB-92 | | | | | | | | | | | |
| 325.8804 | 31:15 | 31:15 | 1 | 0.857 | 659702 | 142555 | 78 | 195 | 1828 | | |
| 327.8775 | 31:15 | 31:15 | 1 | 0.857 | 409071 | 87460 | 41 | 102 | 2133 | 1.61(1.32-1.78) | |
| PCB-90 | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:50 | 1 | 1.229 | 2258841 | 323886 | 78 | 195 | 4152 | | |
| 327.8775 | 31:50 | 31:50 | 1 | 1.229 | 1448957 | 209744 | 41 | 102 | 5116 | 1.56(1.32-1.78) | |
| PCB-101 (C90) | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:50 | 1 | 1.229 | 2258841 | 323886 | 78 | 195 | 4152 | | |
| 327.8775 | 31:50 | 31:50 | 1 | 1.229 | 1448957 | 209744 | 41 | 102 | 5116 | 1.56(1.32-1.78) | |
| PCB-113 (C90) | | | | | | | | | | | |
| 325.8804 | 31:50 | 31:50 | 1 | 1.229 | 2258841 | 323886 | 78 | 195 | 4152 | | |
| 327.8775 | 31:50 | 31:50 | 1 | 1.229 | 1448957 | 209744 | 41 | 102 | 5116 | 1.56(1.32-1.78) | |
| PCB-83 | | | | | | | | | | | |
| 325.8804 | 32:25 | 32:26 | 1 | 1.251 | 1291896 | 160242 | 78 | 195 | 2054 | | |
| 327.8775 | 32:25 | 32:26 | 1 | 1.251 | 806666 | 100895 | 41 | 102 | 2461 | 1.60(1.32-1.78) | |
| PCB-99 (C83) | | | | | | | | | | | |
| 325.8804 | 32:25 | 32:26 | 1 | 1.251 | 1291896 | 160242 | 78 | 195 | 2054 | | |
| 327.8775 | 32:25 | 32:26 | 1 | 1.251 | 806666 | 100895 | 41 | 102 | 2461 | 1.60(1.32-1.78) | |
| PCB-112 | | | | | | | | | | | |
| 325.8804 | 32:32 | 32:33 | 1 | 1.256 | 965955 | 194230 | 78 | 195 | 2490 | | |
| 327.8775 | 32:32 | 32:33 | 1 | 1.256 | 602921 | 124333 | 41 | 102 | 3033 | 1.60(1.32-1.78) | |
| PCB-86 | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:55 | 1 | 1.270 | 4710150 | 544419 | 78 | 195 | 6980 | | M |
| 327.8775 | 32:55 | 32:55 | 1 | 1.270 | 2980291 | 344546 | 41 | 102 | 8404 | 1.58(1.32-1.78) | M |
| PCB-87 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:55 | 1 | 1.270 | 4710150 | 544419 | 78 | 195 | 6980 | | M |
| 327.8775 | 32:55 | 32:55 | 1 | 1.270 | 2980291 | 344546 | 41 | 102 | 8404 | 1.58(1.32-1.78) | M |
| PCB-97 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:55 | 1 | 1.270 | 4710150 | 544419 | 78 | 195 | 6980 | | M |
| 327.8775 | 32:55 | 32:55 | 1 | 1.270 | 2980291 | 344546 | 41 | 102 | 8404 | 1.58(1.32-1.78) | M |
| PCB-109 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:55 | 1 | 1.270 | 4710150 | 544419 | 78 | 195 | 6980 | | M |
| 327.8775 | 32:55 | 32:55 | 1 | 1.270 | 2980291 | 344546 | 41 | 102 | 8404 | 1.58(1.32-1.78) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-119 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:55 | 1 | 1.270 | 4710150 | 544419 | 78 | 195 | 6980 | | M |
| 327.8775 | 32:55 | 32:55 | 1 | 1.270 | 2980291 | 344546 | 41 | 102 | 8404 | 1.58(1.32-1.78) | M |
| PCB-125 (C86) | | | | | | | | | | | M |
| 325.8804 | 32:55 | 32:55 | 1 | 1.270 | 4710150 | 544419 | 78 | 195 | 6980 | | M |
| 327.8775 | 32:55 | 32:55 | 1 | 1.270 | 2980291 | 344546 | 41 | 102 | 8404 | 1.58(1.32-1.78) | M |
| PCB-85 | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:40 | 1 | 1.298 | 2446611 | 324794 | 78 | 195 | 4164 | | |
| 327.8775 | 33:38 | 33:40 | 1 | 1.298 | 1546399 | 208295 | 41 | 102 | 5080 | 1.58(1.32-1.78) | |
| PCB-116 (C85) | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:40 | 1 | 1.298 | 2446611 | 324794 | 78 | 195 | 4164 | | |
| 327.8775 | 33:38 | 33:40 | 1 | 1.298 | 1546399 | 208295 | 41 | 102 | 5080 | 1.58(1.32-1.78) | |
| PCB-117 (C85) | | | | | | | | | | | |
| 325.8804 | 33:38 | 33:40 | 1 | 1.298 | 2446611 | 324794 | 78 | 195 | 4164 | | |
| 327.8775 | 33:38 | 33:40 | 1 | 1.298 | 1546399 | 208295 | 41 | 102 | 5080 | 1.58(1.32-1.78) | |
| PCB-110 | | | | | | | | | | | |
| 325.8804 | 33:53 | 33:54 | 1 | 1.308 | 1844531 | 207088 | 78 | 195 | 2655 | | |
| 327.8775 | 33:53 | 33:54 | 1 | 1.308 | 1154814 | 132709 | 41 | 102 | 3237 | 1.60(1.32-1.78) | |
| PCB-115 (C110) | | | | | | | | | | | |
| 325.8804 | 33:53 | 33:54 | 1 | 1.308 | 1844531 | 207088 | 78 | 195 | 2655 | | |
| 327.8775 | 33:53 | 33:54 | 1 | 1.308 | 1154814 | 132709 | 41 | 102 | 3237 | 1.60(1.32-1.78) | |
| PCB-82 | | | | | | | | | | | |
| 325.8804 | 34:07 | 34:09 | 1 | 1.317 | 615016 | 123117 | 78 | 195 | 1578 | | |
| 327.8775 | 34:07 | 34:09 | 1 | 1.317 | 389630 | 77851 | 41 | 102 | 1899 | 1.58(1.32-1.78) | |
| PCB-111 | | | | | | | | | | | |
| 325.8804 | 34:32 | 34:32 | 1 | 1.333 | 992292 | 202378 | 78 | 195 | 2595 | | |
| 327.8775 | 34:31 | 34:32 | 1 | 1.332 | 630341 | 127384 | 41 | 102 | 3107 | 1.57(1.32-1.78) | |
| PCB-120 | | | | | | | | | | | |
| 325.8804 | 34:59 | 35:00 | 1 | 1.350 | 998480 | 208968 | 78 | 195 | 2679 | | |
| 327.8775 | 34:59 | 35:00 | 1 | 1.350 | 634276 | 128824 | 41 | 102 | 3142 | 1.57(1.32-1.78) | |
| PCB-108 | | | | | | | | | | | |
| 325.8804 | 36:07 | 36:08 | 1 | 1.394 | 2643905 | 542759 | 1275 | 3187 | 426 | | |
| 327.8775 | 36:07 | 36:08 | 1 | 1.394 | 1672666 | 339978 | 796 | 1990 | 427 | 1.58(1.32-1.78) | |
| PCB-124 (C108) | | | | | | | | | | | |
| 325.8804 | 36:07 | 36:08 | 1 | 1.394 | 2643905 | 542759 | 1275 | 3187 | 426 | | |
| 327.8775 | 36:07 | 36:08 | 1 | 1.394 | 1672666 | 339978 | 796 | 1990 | 427 | 1.58(1.32-1.78) | |
| PCB-107 | | | | | | | | | | | |
| 325.8804 | 36:22 | 36:23 | 1 | 1.403 | 1419322 | 280587 | 1275 | 3187 | 220 | | |
| 327.8775 | 36:22 | 36:23 | 1 | 1.403 | 903810 | 179441 | 796 | 1990 | 225 | 1.57(1.32-1.78) | |
| PCB-123 | | | | | | | | | | | |
| 325.8804 | 36:29 | 36:29 | 1 | 1.001 | 1452669 | 304764 | 1275 | 3187 | 239 | | |
| 327.8775 | 36:29 | 36:29 | 1 | 1.001 | 904654 | 188754 | 796 | 1990 | 237 | 1.61(1.32-1.78) | |
| PCB-106 | | | | | | | | | | | |
| 325.8804 | 36:36 | 36:36 | 1 | 1.004 | 1375549 | 273563 | 1275 | 3187 | 215 | | |
| 327.8775 | 36:36 | 36:36 | 1 | 1.004 | 875413 | 174924 | 796 | 1990 | 220 | 1.57(1.32-1.78) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | | | | | | | | | |
| 325.8804 | 36:48 | 36:48 | 1 | 1.001 | 1478097 | 289027 | 1275 | 3187 | 227 | | |
| 327.8775 | 36:48 | 36:48 | 1 | 1.001 | 922780 | 185006 | 796 | 1990 | 232 | 1.60(1.32-1.78) | |
| PCB-122 | | | | | | | | | | | |
| 325.8804 | 37:09 | 37:09 | 1 | 1.010 | 1249372 | 258513 | 1275 | 3187 | 203 | | |
| 327.8775 | 37:09 | 37:09 | 1 | 1.010 | 787708 | 161081 | 796 | 1990 | 202 | 1.59(1.32-1.78) | |
| PCB-114 | | | | | | | | | | | |
| 325.8804 | 37:20 | 37:20 | 1 | 1.001 | 1491855 | 292727 | 1275 | 3187 | 230 | | |
| 327.8775 | 37:20 | 37:20 | 1 | 1.001 | 949816 | 187336 | 796 | 1990 | 235 | 1.57(1.32-1.78) | |
| PCB-105 | | | | | | | | | | | |
| 325.8804 | 37:59 | 37:59 | 1 | 1.001 | 1464167 | 279052 | 1275 | 3187 | 219 | | |
| 327.8775 | 37:58 | 37:59 | 0 | 1.000 | 865621 | 172941 | 796 | 1990 | 217 | 1.69(1.32-1.78) | |
| PCB-127 | | | | | | | | | | | |
| 325.8804 | 39:28 | 39:28 | 1 | 1.040 | 1469808 | 285000 | 1275 | 3187 | 224 | | |
| 327.8775 | 39:28 | 39:28 | 1 | 1.040 | 907323 | 173088 | 796 | 1990 | 217 | 1.62(1.32-1.78) | |
| PCB-126 | | | | | | | | | | | |
| 325.8804 | 41:03 | 41:03 | 0 | 1.000 | 1456748 | 266931 | 1275 | 3187 | 209 | | |
| 327.8775 | 41:03 | 41:03 | 0 | 1.000 | 919378 | 163740 | 796 | 1990 | 206 | 1.58(1.32-1.78) | |
| PCB-155L | | | | | | | | | | | |
| 371.8817 | 31:35 | 31:35 | 1 | 0.792 | 1183802 | 253316 | 96 | 240 | 2639 | | |
| 373.8788 | 31:35 | 31:35 | 1 | 0.792 | 921550 | 197272 | 25 | 62 | 7891 | 1.28(1.05-1.43) | |
| PCB-138L | | | | | | | | | | | |
| 371.8817 | 39:54 | 39:54 | 1 | | 1787668 | 361096 | 623 | 1557 | 580 | | |
| 373.8788 | 39:54 | 39:54 | 1 | | 1403909 | 286769 | 818 | 2045 | 351 | 1.27(1.05-1.43) | |
| PCB-167L | | | | | | | | | | | |
| 371.8817 | 42:55 | 42:55 | 0 | 1.075 | 1853844 | 368785 | 623 | 1557 | 592 | | |
| 373.8788 | 42:55 | 42:55 | 0 | 1.075 | 1434496 | 290210 | 818 | 2045 | 355 | 1.29(1.05-1.43) | |
| PCB-156L | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:04 | 0 | 1.104 | 3626335 | 514387 | 623 | 1557 | 826 | | |
| 373.8788 | 44:05 | 44:04 | 1 | 1.105 | 2845461 | 386714 | 818 | 2045 | 473 | 1.27(1.05-1.43) | |
| PCB-157L (C156L) | | | | | | | | | | | |
| 371.8817 | 44:04 | 44:04 | 0 | 1.104 | 3626335 | 514387 | 623 | 1557 | 826 | | |
| 373.8788 | 44:05 | 44:04 | 1 | 1.105 | 2845461 | 386714 | 818 | 2045 | 473 | 1.27(1.05-1.43) | |
| PCB-169L | | | | | | | | | | | |
| 371.8817 | 47:18 | 47:18 | 0 | 1.185 | 1799535 | 346085 | 623 | 1557 | 556 | | |
| 373.8788 | 47:18 | 47:18 | 0 | 1.185 | 1420169 | 274045 | 818 | 2045 | 335 | 1.27(1.05-1.43) | |
| PCB-155 | | | | | | | | | | | |
| 359.8415 | 31:37 | 31:37 | 1 | 1.001 | 709947 | 153541 | 54 | 135 | 2843 | | |
| 361.8385 | 31:37 | 31:37 | 1 | 1.001 | 545347 | 119074 | 47 | 117 | 2533 | 1.30(1.05-1.43) | |
| PCB-152 | | | | | | | | | | | |
| 359.8415 | 31:48 | 31:48 | 1 | 1.007 | 669591 | 141237 | 54 | 135 | 2616 | | |
| 361.8385 | 31:48 | 31:48 | 1 | 1.007 | 515355 | 108489 | 47 | 117 | 2308 | 1.30(1.05-1.43) | |
| PCB-150 | | | | | | | | | | | |
| 359.8415 | 31:58 | 31:58 | 1 | 1.012 | 679816 | 143181 | 54 | 135 | 2652 | | |
| 361.8385 | 31:58 | 31:58 | 1 | 1.012 | 530667 | 112876 | 47 | 117 | 2402 | 1.28(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-136 | | | | | | | | | | | |
| 359.8415 | 32:20 | 32:20 | 1 | 1.023 | 627487 | 131558 | 54 | 135 | 2436 | | |
| 361.8385 | 32:20 | 32:20 | 1 | 1.023 | 493154 | 103520 | 47 | 117 | 2203 | 1.27(1.05-1.43) | |
| PCB-145 | | | | | | | | | | | |
| 359.8415 | 32:38 | 32:38 | 1 | 1.033 | 651981 | 139907 | 54 | 135 | 2591 | | |
| 361.8385 | 32:38 | 32:38 | 1 | 1.033 | 510305 | 108001 | 47 | 117 | 2298 | 1.28(1.05-1.43) | |
| PCB-148 | | | | | | | | | | | |
| 359.8415 | 34:10 | 34:09 | 1 | 1.081 | 490603 | 101146 | 54 | 135 | 1873 | | |
| 361.8385 | 34:09 | 34:09 | 1 | 1.081 | 384414 | 79874 | 47 | 117 | 1699 | 1.28(1.05-1.43) | |
| PCB-135 | | | | | | | | | | | Ma |
| 359.8415 | 34:44 | 34:44 | -2 | 1.100 | 950966 | 113602 | 54 | 135 | 2104 | | M |
| 361.8385 | 34:44 | 34:44 | -2 | 1.100 | 752437 | 86932 | 47 | 117 | 1850 | 1.26(1.05-1.43) | |
| PCB-151 (C135) | | | | | | | | | | | Ma |
| 359.8415 | 34:44 | 34:44 | -2 | 1.100 | 950966 | 113602 | 54 | 135 | 2104 | | M |
| 361.8385 | 34:44 | 34:44 | -2 | 1.100 | 752437 | 86932 | 47 | 117 | 1850 | 1.26(1.05-1.43) | |
| PCB-154 | | | | | | | | | | | |
| 359.8415 | 35:00 | 35:00 | 1 | 1.108 | 548520 | 115059 | 54 | 135 | 2131 | | |
| 361.8385 | 35:00 | 35:00 | 1 | 1.108 | 429934 | 92035 | 47 | 117 | 1958 | 1.28(1.05-1.43) | |
| PCB-144 | | | | | | | | | | | |
| 359.8415 | 35:18 | 35:18 | 1 | 1.118 | 498049 | 103218 | 54 | 135 | 1911 | | |
| 361.8385 | 35:18 | 35:18 | 1 | 1.118 | 394563 | 80638 | 47 | 117 | 1716 | 1.26(1.05-1.43) | |
| PCB-147 | | | | | | | | | | | |
| 359.8415 | 35:40 | 35:40 | 1 | 1.129 | 1531710 | 317733 | 232 | 580 | 1370 | | |
| 361.8385 | 35:40 | 35:40 | 1 | 1.129 | 1216519 | 250097 | 175 | 437 | 1429 | 1.26(1.05-1.43) | |
| PCB-149 (C147) | | | | | | | | | | | |
| 359.8415 | 35:40 | 35:40 | 1 | 1.129 | 1531710 | 317733 | 232 | 580 | 1370 | | |
| 361.8385 | 35:40 | 35:40 | 1 | 1.129 | 1216519 | 250097 | 175 | 437 | 1429 | 1.26(1.05-1.43) | |
| PCB-134 | | | | | | | | | | | |
| 359.8415 | 35:58 | 35:58 | 1 | 1.139 | 1359820 | 153731 | 232 | 580 | 663 | | |
| 361.8385 | 35:58 | 35:58 | 1 | 1.139 | 1077333 | 119240 | 175 | 437 | 681 | 1.26(1.05-1.43) | |
| PCB-143 (C134) | | | | | | | | | | | |
| 359.8415 | 35:58 | 35:58 | 1 | 1.139 | 1359820 | 153731 | 232 | 580 | 663 | | |
| 361.8385 | 35:58 | 35:58 | 1 | 1.139 | 1077333 | 119240 | 175 | 437 | 681 | 1.26(1.05-1.43) | |
| PCB-139 | | | | | | | | | | | |
| 359.8415 | 36:16 | 36:16 | 1 | 1.148 | 1569255 | 292751 | 232 | 580 | 1262 | | |
| 361.8385 | 36:16 | 36:16 | 1 | 1.148 | 1226195 | 229180 | 175 | 437 | 1310 | 1.28(1.05-1.43) | |
| PCB-140 (C139) | | | | | | | | | | | |
| 359.8415 | 36:16 | 36:16 | 1 | 1.148 | 1569255 | 292751 | 232 | 580 | 1262 | | |
| 361.8385 | 36:16 | 36:16 | 1 | 1.148 | 1226195 | 229180 | 175 | 437 | 1310 | 1.28(1.05-1.43) | |
| PCB-131 | | | | | | | | | | | |
| 359.8415 | 36:28 | 36:28 | 1 | 1.154 | 681411 | 142297 | 232 | 580 | 613 | | |
| 361.8385 | 36:28 | 36:28 | 1 | 1.154 | 523290 | 110130 | 175 | 437 | 629 | 1.30(1.05-1.43) | |
| PCB-142 | | | | | | | | | | | |
| 359.8415 | 36:37 | 36:37 | 1 | 1.159 | 673966 | 139009 | 232 | 580 | 599 | | |
| 361.8385 | 36:37 | 36:37 | 1 | 1.159 | 548908 | 112108 | 175 | 437 | 641 | 1.23(1.05-1.43) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | | | | | | | | | | | |
| 359.8415 | 36:55 | 36:56 | 1 | 1.169 | 700798 | 144065 | 232 | 580 | 621 | | |
| 361.8385 | 36:55 | 36:56 | 1 | 1.169 | 556274 | 115155 | 175 | 437 | 658 | 1.26(1.05-1.43) | |
| PCB-133 | | | | | | | | | | | |
| 359.8415 | 37:26 | 37:26 | 1 | 1.185 | 723319 | 147791 | 232 | 580 | 637 | | |
| 361.8385 | 37:26 | 37:26 | 1 | 1.185 | 564394 | 114366 | 175 | 437 | 654 | 1.28(1.05-1.43) | |
| PCB-165 | | | | | | | | | | | |
| 359.8415 | 37:50 | 37:49 | 1 | 0.881 | 903686 | 185767 | 232 | 580 | 801 | | |
| 361.8385 | 37:50 | 37:49 | 1 | 0.881 | 718665 | 146999 | 175 | 437 | 840 | 1.26(1.05-1.43) | |
| PCB-146 | | | | | | | | | | | |
| 359.8415 | 38:05 | 38:04 | 1 | 0.887 | 824400 | 169069 | 232 | 580 | 729 | | |
| 361.8385 | 38:05 | 38:04 | 1 | 0.887 | 649648 | 133103 | 175 | 437 | 761 | 1.27(1.05-1.43) | |
| PCB-161 | | | | | | | | | | | |
| 359.8415 | 38:12 | 38:12 | 1 | 0.890 | 1037582 | 214026 | 232 | 580 | 923 | | |
| 361.8385 | 38:12 | 38:12 | 1 | 0.890 | 808926 | 168808 | 175 | 437 | 965 | 1.28(1.05-1.43) | |
| PCB-153 | | | | | | | | | | | |
| 359.8415 | 38:43 | 38:44 | 0 | 0.902 | 1944282 | 287302 | 232 | 580 | 1238 | | |
| 361.8385 | 38:43 | 38:44 | 0 | 0.902 | 1547499 | 231160 | 175 | 437 | 1321 | 1.26(1.05-1.43) | |
| PCB-168 (C153) | | | | | | | | | | | |
| 359.8415 | 38:43 | 38:44 | 0 | 0.902 | 1944282 | 287302 | 232 | 580 | 1238 | | |
| 361.8385 | 38:43 | 38:44 | 0 | 0.902 | 1547499 | 231160 | 175 | 437 | 1321 | 1.26(1.05-1.43) | |
| PCB-141 | | | | | | | | | | | |
| 359.8415 | 38:52 | 38:52 | 1 | 0.906 | 782779 | 151886 | 232 | 580 | 655 | | |
| 361.8385 | 38:52 | 38:52 | 1 | 0.906 | 621149 | 119351 | 175 | 437 | 682 | 1.26(1.05-1.43) | |
| PCB-130 | | | | | | | | | | | |
| 359.8415 | 39:18 | 39:17 | 1 | 0.916 | 677032 | 138721 | 232 | 580 | 598 | | |
| 361.8385 | 39:18 | 39:17 | 1 | 0.916 | 533223 | 107832 | 175 | 437 | 616 | 1.27(1.05-1.43) | |
| PCB-137 | | | | | | | | | | | |
| 359.8415 | 39:31 | 39:31 | 1 | 0.921 | 842127 | 172687 | 232 | 580 | 744 | | |
| 361.8385 | 39:31 | 39:31 | 1 | 0.921 | 667848 | 134662 | 175 | 437 | 769 | 1.26(1.05-1.43) | |
| PCB-164 | | | | | | | | | | | |
| 359.8415 | 39:38 | 39:38 | 1 | 0.924 | 1018250 | 201459 | 232 | 580 | 868 | | |
| 361.8385 | 39:38 | 39:38 | 1 | 0.924 | 808103 | 159479 | 175 | 437 | 911 | 1.26(1.05-1.43) | |
| PCB-129 | | | | | | | | | | | M |
| 359.8415 | 39:57 | 39:57 | 1 | 0.931 | 3511193 | 393382 | 232 | 580 | 1696 | | M |
| 361.8385 | 39:57 | 39:57 | 1 | 0.931 | 2802048 | 314555 | 175 | 437 | 1797 | 1.25(1.05-1.43) | M |
| PCB-138 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:57 | 39:57 | 1 | 0.931 | 3511193 | 393382 | 232 | 580 | 1696 | | M |
| 361.8385 | 39:57 | 39:57 | 1 | 0.931 | 2802048 | 314555 | 175 | 437 | 1797 | 1.25(1.05-1.43) | M |
| PCB-160 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:57 | 39:57 | 1 | 0.931 | 3511193 | 393382 | 232 | 580 | 1696 | | M |
| 361.8385 | 39:57 | 39:57 | 1 | 0.931 | 2802048 | 314555 | 175 | 437 | 1797 | 1.25(1.05-1.43) | M |
| PCB-163 (C129) | | | | | | | | | | | M |
| 359.8415 | 39:57 | 39:57 | 1 | 0.931 | 3511193 | 393382 | 232 | 580 | 1696 | | M |
| 361.8385 | 39:57 | 39:57 | 1 | 0.931 | 2802048 | 314555 | 175 | 437 | 1797 | 1.25(1.05-1.43) | M |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-158 | | | | | | | | | | | |
| 359.8415 | 40:19 | 40:19 | 1 | 0.940 | 1138224 | 226145 | 232 | 580 | 975 | | |
| 361.8385 | 40:19 | 40:19 | 1 | 0.940 | 910731 | 180294 | 175 | 437 | 1030 | 1.25(1.05-1.43) | |
| PCB-128 | | | | | | | | | | | |
| 359.8415 | 41:10 | 41:10 | 0 | 0.959 | 1808934 | 309098 | 232 | 580 | 1332 | | |
| 361.8385 | 41:10 | 41:10 | 0 | 0.959 | 1445511 | 249061 | 175 | 437 | 1423 | 1.25(1.05-1.43) | |
| PCB-166 (C128) | | | | | | | | | | | |
| 359.8415 | 41:10 | 41:10 | 0 | 0.959 | 1808934 | 309098 | 232 | 580 | 1332 | | |
| 361.8385 | 41:10 | 41:10 | 0 | 0.959 | 1445511 | 249061 | 175 | 437 | 1423 | 1.25(1.05-1.43) | |
| PCB-159 | | | | | | | | | | | |
| 359.8415 | 42:10 | 42:10 | 0 | 0.983 | 1080577 | 212210 | 232 | 580 | 915 | | |
| 361.8385 | 42:10 | 42:10 | 0 | 0.983 | 862040 | 174194 | 175 | 437 | 995 | 1.25(1.05-1.43) | |
| PCB-162 | | | | | | | | | | | |
| 359.8415 | 42:27 | 42:27 | 0 | 0.989 | 1134220 | 215496 | 232 | 580 | 929 | | |
| 361.8385 | 42:27 | 42:27 | 0 | 0.989 | 904826 | 174686 | 175 | 437 | 998 | 1.25(1.05-1.43) | |
| PCB-167 | | | | | | | | | | | |
| 359.8415 | 42:56 | 42:56 | 0 | 1.001 | 1176055 | 229883 | 232 | 580 | 991 | | |
| 361.8385 | 42:56 | 42:56 | 0 | 1.000 | 930808 | 179309 | 175 | 437 | 1025 | 1.26(1.05-1.43) | |
| PCB-156 | | | | | | | | | | | |
| 359.8415 | 44:05 | 44:05 | 0 | 1.000 | 2210612 | 311204 | 232 | 580 | 1341 | | |
| 361.8385 | 44:05 | 44:05 | 0 | 1.000 | 1760968 | 244941 | 175 | 437 | 1400 | 1.26(1.05-1.43) | |
| PCB-157 (C156) | | | | | | | | | | | |
| 359.8415 | 44:05 | 44:05 | 0 | 1.000 | 2210612 | 311204 | 232 | 580 | 1341 | | |
| 361.8385 | 44:05 | 44:05 | 0 | 1.000 | 1760968 | 244941 | 175 | 437 | 1400 | 1.26(1.05-1.43) | |
| PCB-169 | | | | | | | | | | | |
| 359.8415 | 47:19 | 47:19 | 0 | 1.001 | 1097714 | 205643 | 232 | 580 | 886 | | |
| 361.8385 | 47:18 | 47:19 | 0 | 1.000 | 871833 | 160241 | 175 | 437 | 916 | 1.26(1.05-1.43) | |
| PCB-188L | | | | | | | | | | | |
| 405.8428 | 37:19 | 37:19 | 1 | 0.821 | 1361271 | 295373 | 43 | 107 | 6869 | | |
| 407.8398 | 37:19 | 37:19 | 1 | 0.821 | 1273865 | 265828 | 73 | 182 | 3641 | 1.07(0.89-1.21) | |
| PCB-178L | | | | | | | | | | | |
| 405.8428 | 40:22 | 40:22 | 1 | 0.888 | 1134353 | 217866 | 43 | 107 | 5067 | | |
| 407.8398 | 40:22 | 40:22 | 1 | 0.888 | 1059812 | 208671 | 73 | 182 | 2859 | 1.07(0.89-1.21) | |
| PCB-180L | | | | | | | | | | | |
| 405.8428 | 45:28 | 45:27 | 0 | | 1301310 | 255572 | 43 | 107 | 5944 | | |
| 407.8398 | 45:28 | 45:27 | 0 | | 1267920 | 259664 | 73 | 182 | 3557 | 1.03(0.89-1.21) | |
| PCB-170L | | | | | | | | | | | |
| 405.8428 | 46:43 | 46:43 | 0 | 1.028 | 864747 | 171224 | 43 | 107 | 3982 | | |
| 407.8398 | 46:42 | 46:43 | 0 | 1.027 | 814316 | 155672 | 73 | 182 | 2132 | 1.06(0.89-1.21) | |
| PCB-189L | | | | | | | | | | | |
| 405.8428 | 49:49 | 49:50 | 0 | 1.096 | 2166991 | 416480 | 1052 | 2630 | 396 | | |
| 407.8398 | 49:49 | 49:50 | 0 | 1.096 | 2087007 | 403051 | 487 | 1217 | 828 | 1.04(0.89-1.21) | |
| PCB-188 | | | | | | | | | | | |
| 393.8025 | 37:21 | 37:21 | 1 | 1.001 | 807471 | 164646 | 27 | 67 | 6098 | | |
| 395.7995 | 37:21 | 37:21 | 1 | 1.001 | 757044 | 154116 | 28 | 70 | 5504 | 1.07(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-179 | | | | | | | | | | | |
| 393.8025 | 37:41 | 37:40 | 1 | 1.010 | 756883 | 151030 | 27 | 67 | 5594 | | |
| 395.7995 | 37:40 | 37:40 | 1 | 1.009 | 721994 | 145259 | 28 | 70 | 5188 | 1.05(0.89-1.21) | |
| PCB-184 | | | | | | | | | | | |
| 393.8025 | 38:12 | 38:12 | 1 | 1.024 | 736269 | 149252 | 27 | 67 | 5528 | | |
| 395.7995 | 38:12 | 38:12 | 1 | 1.024 | 716514 | 142669 | 28 | 70 | 5095 | 1.03(0.89-1.21) | |
| PCB-176 | | | | | | | | | | | |
| 393.8025 | 38:34 | 38:34 | 1 | 1.033 | 861822 | 175517 | 27 | 67 | 6501 | | |
| 395.7995 | 38:34 | 38:34 | 1 | 1.033 | 814062 | 164134 | 28 | 70 | 5862 | 1.06(0.89-1.21) | |
| PCB-186 | | | | | | | | | | | |
| 393.8025 | 39:01 | 39:01 | 1 | 1.046 | 765607 | 154788 | 27 | 67 | 5733 | | |
| 395.7995 | 39:00 | 39:01 | 0 | 1.045 | 728295 | 146773 | 28 | 70 | 5242 | 1.05(0.89-1.21) | |
| PCB-178 | | | | | | | | | | | |
| 393.8025 | 40:23 | 40:23 | 1 | 1.082 | 567511 | 114669 | 27 | 67 | 4247 | | |
| 395.7995 | 40:23 | 40:23 | 1 | 1.082 | 555009 | 110788 | 28 | 70 | 3957 | 1.02(0.89-1.21) | |
| PCB-175 | | | | | | | | | | | |
| 393.8025 | 41:02 | 41:02 | 0 | 1.100 | 603307 | 121482 | 27 | 67 | 4499 | | |
| 395.7995 | 41:02 | 41:02 | 0 | 1.100 | 568237 | 114185 | 28 | 70 | 4078 | 1.06(0.89-1.21) | |
| PCB-187 | | | | | | | | | | | |
| 393.8025 | 41:18 | 41:18 | 1 | 1.107 | 635888 | 124961 | 27 | 67 | 4628 | | |
| 395.7995 | 41:17 | 41:18 | 0 | 1.107 | 598543 | 119741 | 28 | 70 | 4276 | 1.06(0.89-1.21) | |
| PCB-182 | | | | | | | | | | | |
| 393.8025 | 41:30 | 41:30 | 0 | 1.112 | 661485 | 129407 | 27 | 67 | 4793 | | |
| 395.7995 | 41:30 | 41:30 | 0 | 1.112 | 612704 | 117619 | 28 | 70 | 4201 | 1.08(0.89-1.21) | |
| PCB-183 | | | | | | | | | | | M |
| 393.8025 | 41:54 | 41:55 | 0 | 1.123 | 1293488 | 137767 | 27 | 67 | 5102 | | M |
| 395.7995 | 41:54 | 41:55 | 0 | 1.123 | 1219937 | 128292 | 28 | 70 | 4582 | 1.06(0.89-1.21) | M |
| PCB-185 (C183) | | | | | | | | | | | M |
| 393.8025 | 41:54 | 41:55 | 0 | 1.123 | 1293488 | 137767 | 27 | 67 | 5102 | | M |
| 395.7995 | 41:54 | 41:55 | 0 | 1.123 | 1219937 | 128292 | 28 | 70 | 4582 | 1.06(0.89-1.21) | M |
| PCB-174 | | | | | | | | | | | |
| 393.8025 | 42:08 | 42:09 | 0 | 1.129 | 559911 | 113472 | 27 | 67 | 4203 | | |
| 395.7995 | 42:08 | 42:09 | 0 | 1.129 | 519107 | 104214 | 28 | 70 | 3722 | 1.08(0.89-1.21) | |
| PCB-177 | | | | | | | | | | | |
| 393.8025 | 42:35 | 42:35 | 0 | 1.141 | 563795 | 109867 | 27 | 67 | 4069 | | |
| 395.7995 | 42:35 | 42:35 | 0 | 1.141 | 511742 | 102260 | 28 | 70 | 3652 | 1.10(0.89-1.21) | |
| PCB-181 | | | | | | | | | | | |
| 393.8025 | 42:59 | 42:59 | 0 | 1.152 | 632716 | 125929 | 27 | 67 | 4664 | | |
| 395.7995 | 42:59 | 42:59 | 0 | 1.152 | 585689 | 118046 | 28 | 70 | 4216 | 1.08(0.89-1.21) | |
| PCB-171 | | | | | | | | | | | |
| 393.8025 | 43:12 | 43:12 | 0 | 1.158 | 1100417 | 193664 | 27 | 67 | 7173 | | |
| 395.7995 | 43:11 | 43:12 | 0 | 1.157 | 1035571 | 176754 | 28 | 70 | 6313 | 1.06(0.89-1.21) | |
| PCB-173 (C171) | | | | | | | | | | | |
| 393.8025 | 43:12 | 43:12 | 0 | 1.158 | 1100417 | 193664 | 27 | 67 | 7173 | | |
| 395.7995 | 43:11 | 43:12 | 0 | 1.157 | 1035571 | 176754 | 28 | 70 | 6313 | 1.06(0.89-1.21) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-172 | | | | | | | | | | | |
| 393.8025 | 44:50 | 44:49 | 0 | 0.900 | 572531 | 112386 | 27 | 67 | 4162 | | |
| 395.7995 | 44:50 | 44:49 | 0 | 0.900 | 543357 | 108058 | 28 | 70 | 3859 | 1.05(0.89-1.21) | |
| PCB-192 | | | | | | | | | | | |
| 393.8025 | 45:07 | 45:06 | 0 | 0.905 | 754538 | 147789 | 27 | 67 | 5474 | | |
| 395.7995 | 45:07 | 45:06 | 0 | 0.905 | 712263 | 140073 | 28 | 70 | 5003 | 1.06(0.89-1.21) | |
| PCB-180 | | | | | | | | | | | |
| 393.8025 | 45:26 | 45:26 | 0 | 0.912 | 1412425 | 191651 | 27 | 67 | 7098 | | |
| 395.7995 | 45:26 | 45:26 | 0 | 0.912 | 1337841 | 180200 | 28 | 70 | 6436 | 1.06(0.89-1.21) | |
| PCB-193 (C180) | | | | | | | | | | | |
| 393.8025 | 45:26 | 45:26 | 0 | 0.912 | 1412425 | 191651 | 27 | 67 | 7098 | | |
| 395.7995 | 45:26 | 45:26 | 0 | 0.912 | 1337841 | 180200 | 28 | 70 | 6436 | 1.06(0.89-1.21) | |
| PCB-191 | | | | | | | | | | | |
| 393.8025 | 45:50 | 45:50 | 0 | 0.920 | 791587 | 151895 | 27 | 67 | 5626 | | |
| 395.7995 | 45:50 | 45:50 | 0 | 0.920 | 763225 | 147478 | 28 | 70 | 5267 | 1.04(0.89-1.21) | |
| PCB-170 | | | | | | | | | | | |
| 393.8025 | 46:44 | 46:44 | 0 | 0.938 | 578579 | 116097 | 27 | 67 | 4300 | | |
| 395.7995 | 46:44 | 46:44 | 0 | 0.938 | 542329 | 103727 | 28 | 70 | 3705 | 1.07(0.89-1.21) | |
| PCB-190 | | | | | | | | | | | |
| 393.8025 | 47:15 | 47:15 | 0 | 0.948 | 786824 | 154941 | 27 | 67 | 5739 | | |
| 395.7995 | 47:15 | 47:15 | 0 | 0.948 | 743680 | 145531 | 28 | 70 | 5198 | 1.06(0.89-1.21) | |
| PCB-189 | | | | | | | | | | | |
| 393.8025 | 49:51 | 49:51 | 0 | 1.001 | 1406696 | 272816 | 605 | 1512 | 451 | | |
| 395.7995 | 49:51 | 49:51 | 0 | 1.001 | 1304838 | 257838 | 335 | 837 | 770 | 1.08(0.89-1.21) | |
| PCB-202L | | | | | | | | | | | |
| 439.8038 | 42:41 | 42:41 | 0 | 0.822 | 1048155 | 210981 | 47 | 117 | 4489 | | |
| 441.8008 | 42:41 | 42:41 | 0 | 0.822 | 1164139 | 225651 | 15 | 37 | 15043 | 0.90(0.76-1.02) | |
| PCB-194L | | | | | | | | | | | |
| 439.8038 | 51:56 | 51:57 | 0 | | 1520268 | 291474 | 134 | 335 | 2175 | | |
| 441.8008 | 51:57 | 51:57 | 0 | | 1608856 | 313060 | 164 | 410 | 1909 | 0.94(0.76-1.02) | |
| PCB-205L | | | | | | | | | | | |
| 439.8038 | 52:25 | 52:24 | 0 | 1.009 | 1511298 | 287011 | 134 | 335 | 2142 | | |
| 441.8008 | 52:25 | 52:24 | 0 | 1.009 | 1656533 | 312509 | 164 | 410 | 1906 | 0.91(0.76-1.02) | |
| PCB-202 | | | | | | | | | | | |
| 427.7635 | 42:43 | 42:43 | 0 | 1.001 | 531274 | 106251 | 33 | 82 | 3220 | | |
| 429.7606 | 42:42 | 42:43 | 0 | 1.000 | 556163 | 108508 | 43 | 107 | 2523 | 0.96(0.76-1.02) | |
| PCB-201 | | | | | | | | | | | |
| 427.7635 | 43:38 | 43:38 | 0 | 1.022 | 594047 | 119548 | 33 | 82 | 3623 | | |
| 429.7606 | 43:38 | 43:38 | 0 | 1.022 | 633018 | 125520 | 43 | 107 | 2919 | 0.94(0.76-1.02) | |
| PCB-204 | | | | | | | | | | | |
| 427.7635 | 44:19 | 44:19 | 0 | 1.038 | 550974 | 109277 | 33 | 82 | 3311 | | |
| 429.7606 | 44:19 | 44:19 | 0 | 1.038 | 611017 | 120745 | 43 | 107 | 2808 | 0.90(0.76-1.02) | |
| PCB-197 | | | | | | | | | | | |
| 427.7635 | 44:32 | 44:32 | 0 | 1.043 | 592722 | 117097 | 33 | 82 | 3548 | | |
| 429.7606 | 44:32 | 44:32 | 0 | 1.043 | 657080 | 130475 | 43 | 107 | 3034 | 0.90(0.76-1.02) | |

| Signal | RT (min.) | Adj RT (min.) | Sec. | REL RT | Area | Height | Avg Noise | EDL Height | S/N | Ratio(Limits) | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-200 | | | | | | | | | | | |
| 427.7635 | 44:38 | 44:38 | 0 | 1.046 | 569629 | 112534 | 33 | 82 | 3410 | | |
| 429.7606 | 44:38 | 44:38 | 0 | 1.046 | 640165 | 128063 | 43 | 107 | 2978 | 0.89(0.76-1.02) | |
| PCB-198 | | | | | | | | | | | |
| 427.7635 | 47:26 | 47:26 | 0 | 1.111 | 788027 | 103959 | 33 | 82 | 3150 | | |
| 429.7606 | 47:26 | 47:26 | 0 | 1.111 | 880266 | 113202 | 43 | 107 | 2633 | 0.90(0.76-1.02) | |
| PCB-199 (C198) | | | | | | | | | | | |
| 427.7635 | 47:26 | 47:26 | 0 | 1.111 | 788027 | 103959 | 33 | 82 | 3150 | | |
| 429.7606 | 47:26 | 47:26 | 0 | 1.111 | 880266 | 113202 | 43 | 107 | 2633 | 0.90(0.76-1.02) | |
| PCB-196 | | | | | | | | | | | |
| 427.7635 | 48:06 | 48:06 | 0 | 0.918 | 429584 | 83931 | 33 | 82 | 2543 | | |
| 429.7606 | 48:06 | 48:06 | 0 | 0.918 | 465124 | 91558 | 43 | 107 | 2129 | 0.92(0.76-1.02) | |
| PCB-203 | | | | | | | | | | | |
| 427.7635 | 48:18 | 48:18 | 0 | 0.921 | 436635 | 84979 | 33 | 82 | 2575 | | |
| 429.7606 | 48:18 | 48:18 | 0 | 0.921 | 495607 | 94080 | 43 | 107 | 2188 | 0.88(0.76-1.02) | |
| PCB-195 | | | | | | | | | | | |
| 427.7635 | 49:37 | 49:37 | 0 | 0.947 | 636086 | 123204 | 141 | 352 | 874 | | |
| 429.7606 | 49:37 | 49:37 | 0 | 0.947 | 693141 | 133881 | 585 | 1462 | 229 | 0.92(0.76-1.02) | |
| PCB-194 | | | | | | | | | | | |
| 427.7635 | 51:58 | 51:59 | 0 | 0.991 | 693262 | 134346 | 141 | 352 | 953 | | |
| 429.7606 | 51:58 | 51:59 | 0 | 0.991 | 758523 | 148129 | 585 | 1462 | 253 | 0.91(0.76-1.02) | |
| PCB-205 | | | | | | | | | | | |
| 427.7635 | 52:26 | 52:27 | 0 | 1.000 | 897091 | 172691 | 141 | 352 | 1225 | | |
| 429.7606 | 52:26 | 52:27 | 0 | 1.000 | 980891 | 190000 | 585 | 1462 | 325 | 0.91(0.76-1.02) | |
| PCB-208L | | | | | | | | | | | |
| 473.7648 | 49:22 | 49:22 | 0 | 0.950 | 1199545 | 230074 | 446 | 1115 | 516 | | |
| 475.7619 | 49:22 | 49:22 | 0 | 0.950 | 1556874 | 299016 | 422 | 1055 | 709 | 0.77(0.65-0.89) | |
| PCB-206L | | | | | | | | | | | |
| 473.7648 | 54:11 | 54:10 | 0 | 1.043 | 865431 | 166705 | 446 | 1115 | 374 | | |
| 475.7619 | 54:11 | 54:10 | 0 | 1.043 | 1104799 | 212191 | 422 | 1055 | 503 | 0.78(0.65-0.89) | |
| PCB-208 | | | | | | | | | | | |
| 461.7246 | 49:23 | 49:23 | 0 | 1.001 | 679754 | 130650 | 659 | 1647 | 198 | | |
| 463.7216 | 49:23 | 49:23 | 0 | 1.001 | 841018 | 163707 | 315 | 787 | 520 | 0.81(0.65-0.89) | |
| PCB-207 | | | | | | | | | | | |
| 461.7246 | 50:19 | 50:19 | 0 | 1.019 | 699031 | 138402 | 659 | 1647 | 210 | | |
| 463.7216 | 50:19 | 50:19 | 0 | 1.019 | 881674 | 172839 | 315 | 787 | 549 | 0.79(0.65-0.89) | |
| PCB-206 | | | | | | | | | | | |
| 461.7246 | 54:12 | 54:12 | 0 | 1.000 | 479508 | 91710 | 659 | 1647 | 139 | | |
| 463.7216 | 54:11 | 54:12 | 0 | 1.000 | 619220 | 118426 | 315 | 787 | 376 | 0.77(0.65-0.89) | |
| PCB-209L | | | | | | | | | | | |
| 507.7258 | 55:50 | 55:49 | 0 | 1.075 | 863374 | 148673 | 49 | 122 | 3034 | | |
| 509.7229 | 55:49 | 55:49 | 0 | 1.075 | 1217831 | 216920 | 134 | 335 | 1619 | 0.71(0.59-0.79) | |
| DCB Decachlorobiphenyl | | | | | | | | | | | |
| 495.6856 | 55:51 | 55:51 | 0 | 1.000 | 502667 | 91761 | 24 | 60 | 3823 | | |
| 497.6826 | 55:51 | 55:51 | 0 | 1.000 | 709000 | 127368 | 25 | 62 | 5095 | 0.71(0.59-0.79) | |

## QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins TestAmerica, Knoxville

| | | | |
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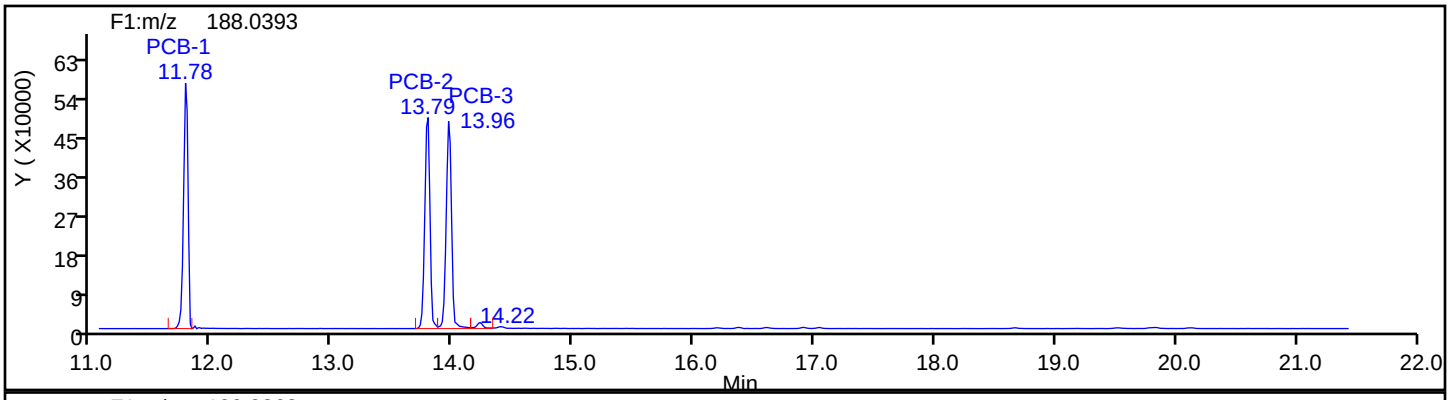
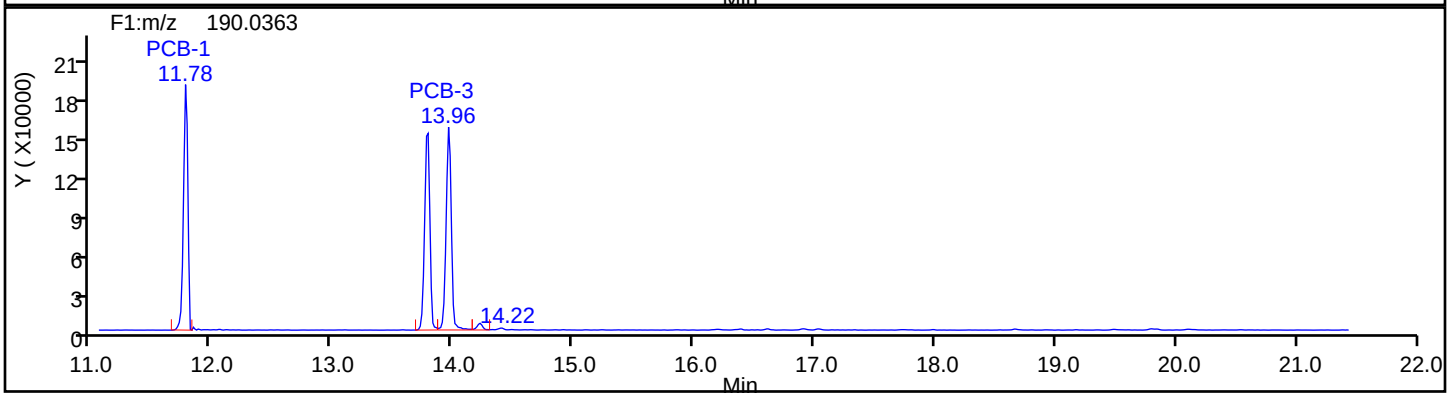
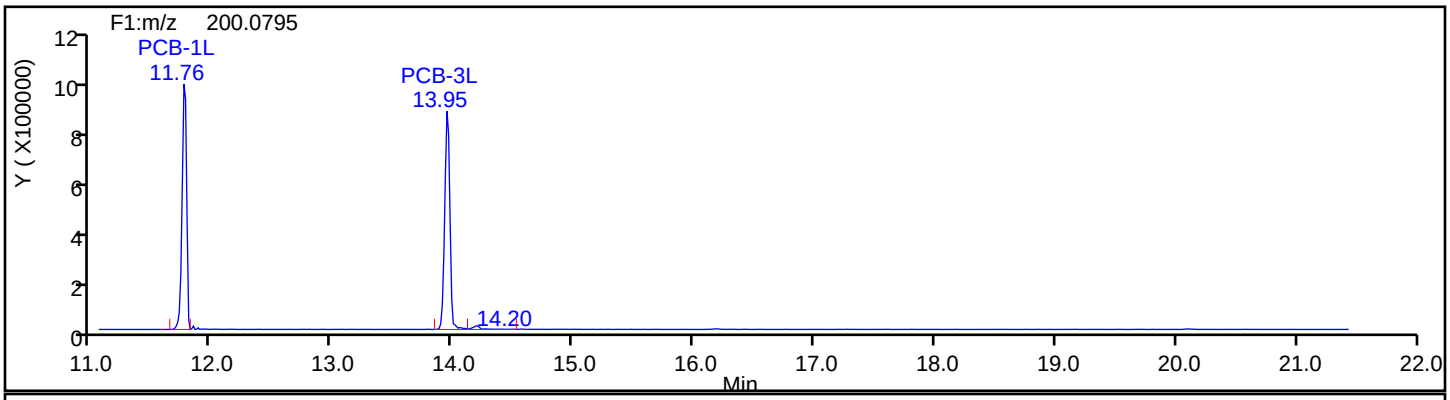
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

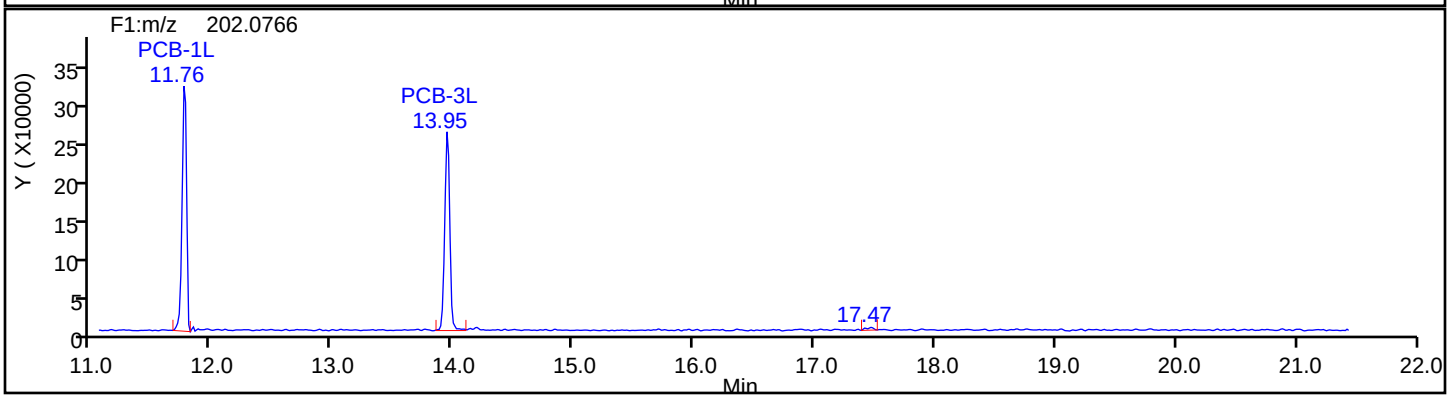
MoPCB F1




MoPCB F1 Standards



Eurofins TestAmerica, Knoxville

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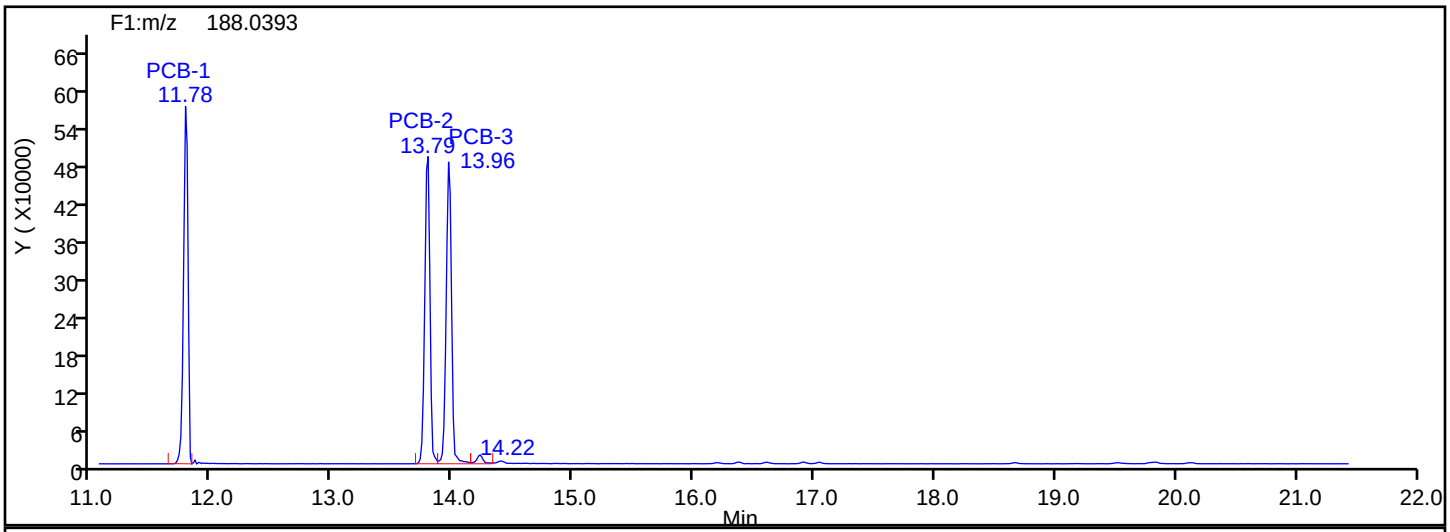
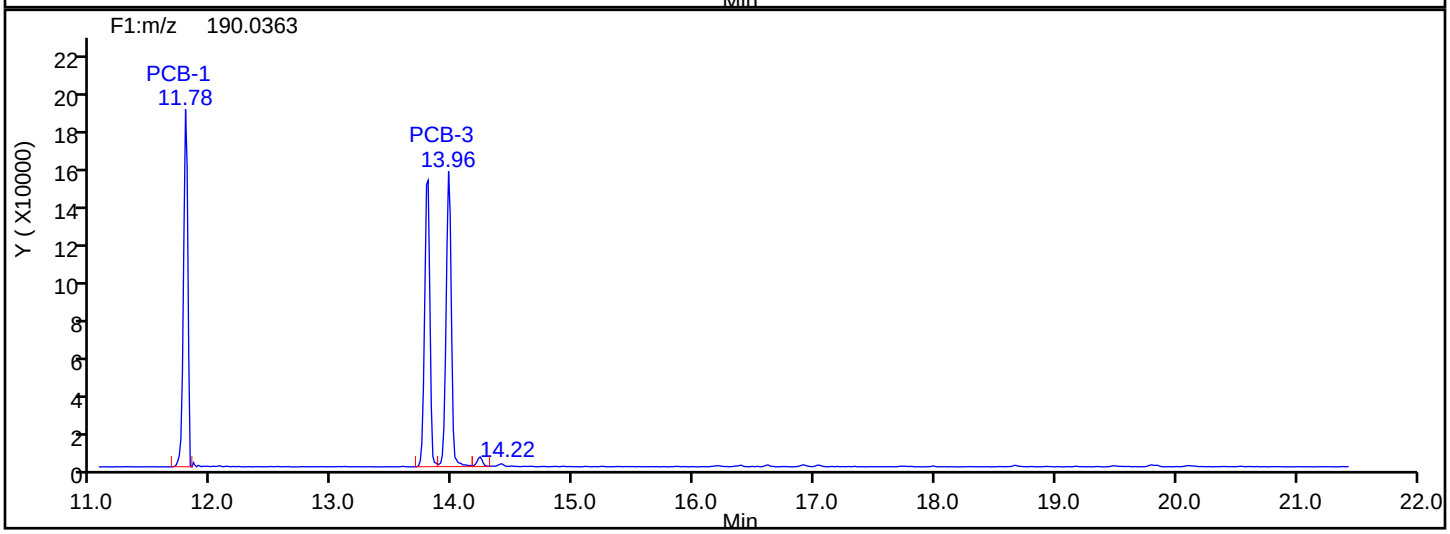
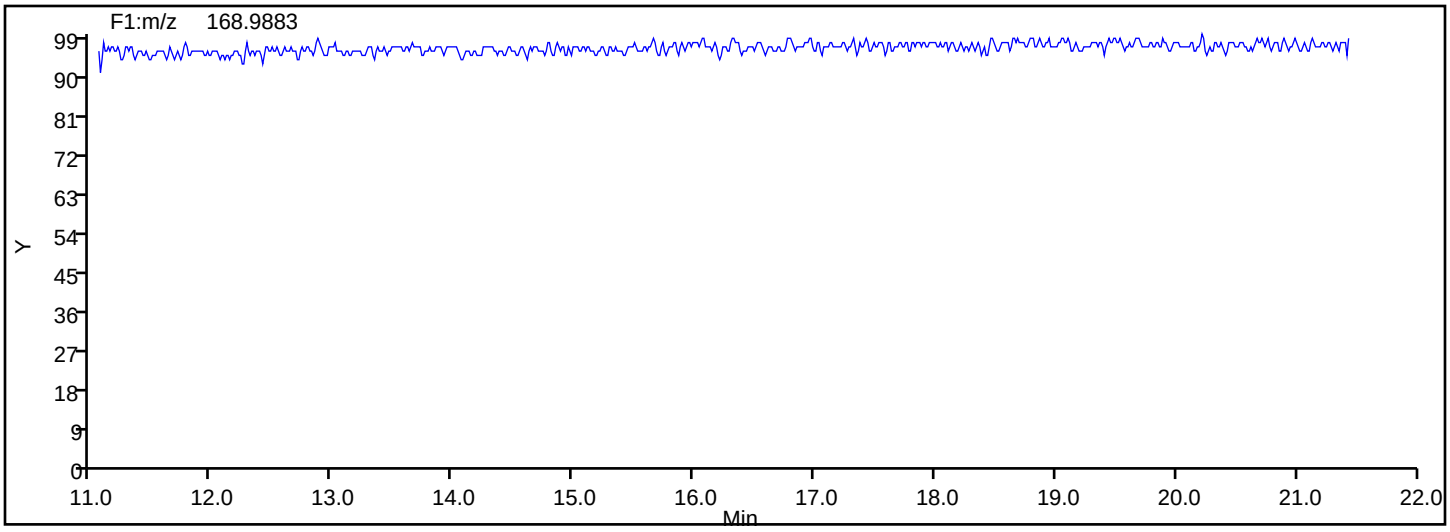
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

MoPCB F1




MoPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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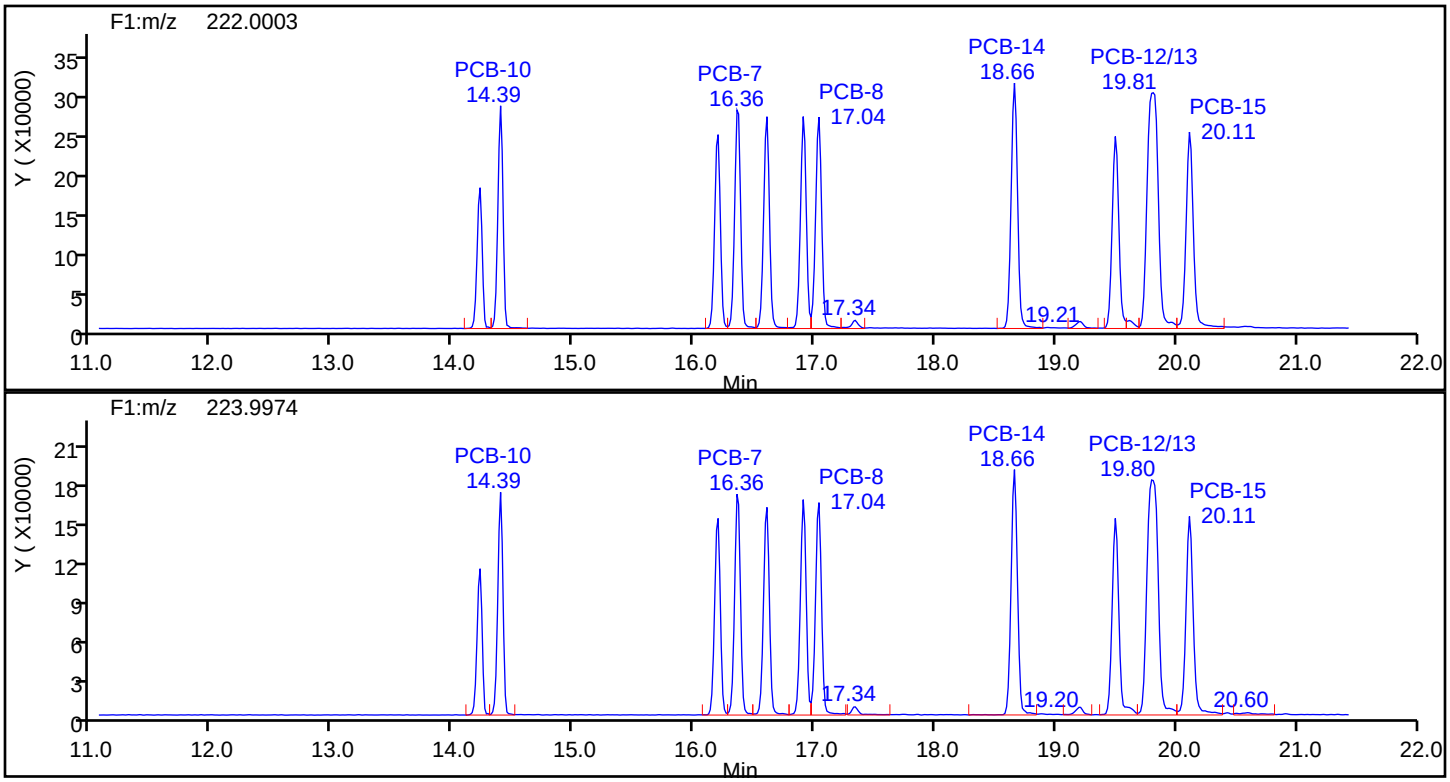
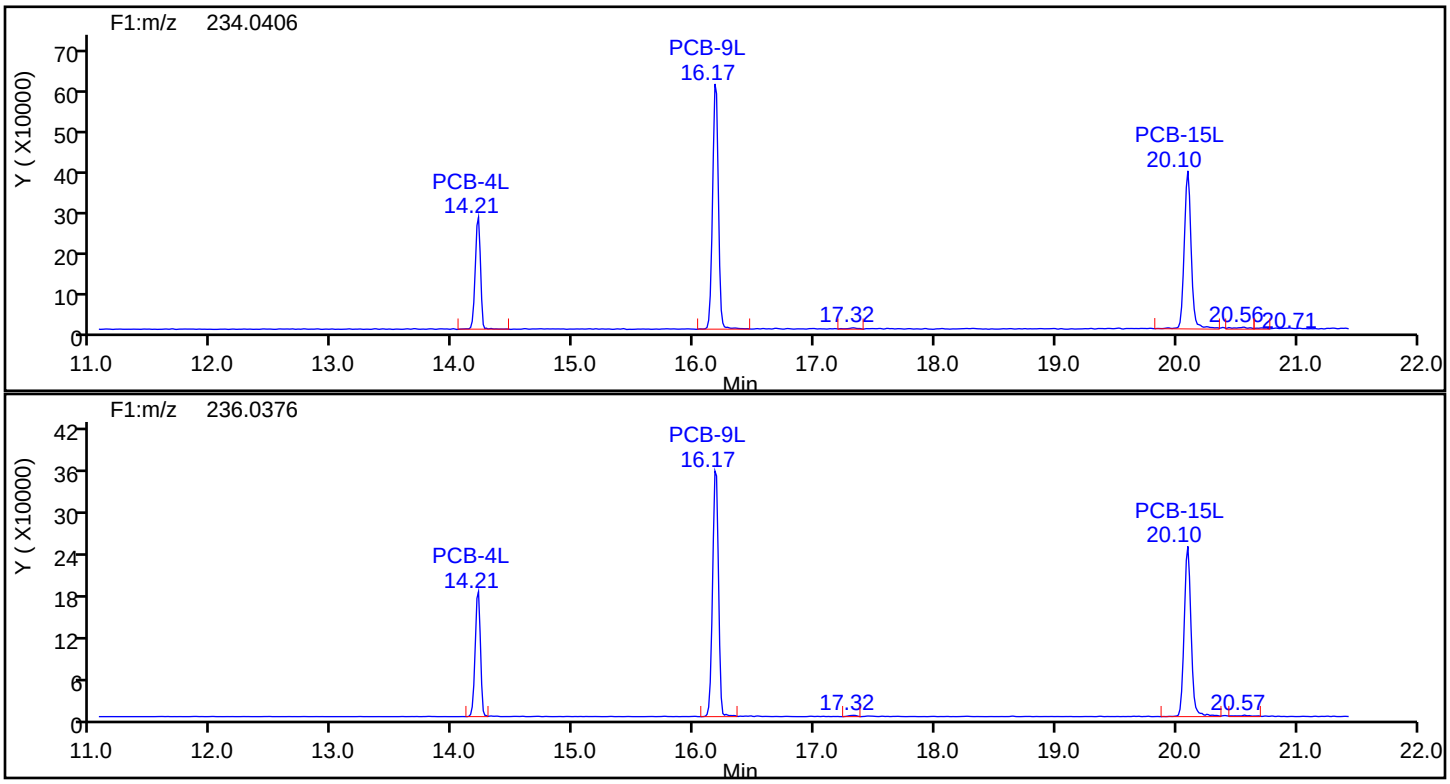
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Standards



Eurofins TestAmerica, Knoxville

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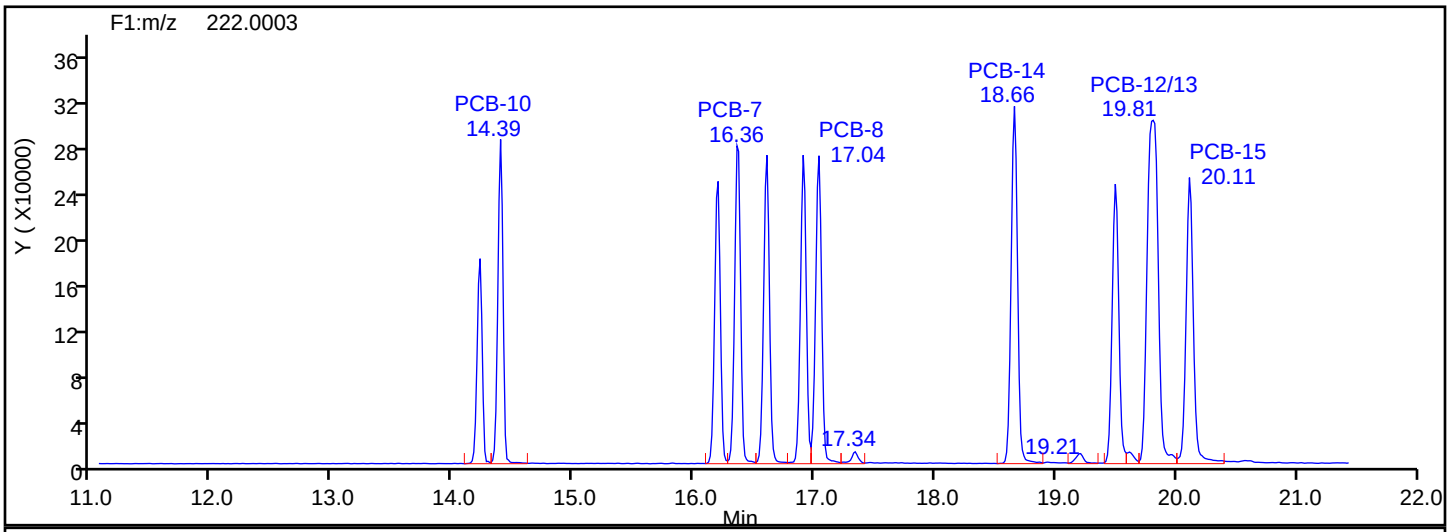
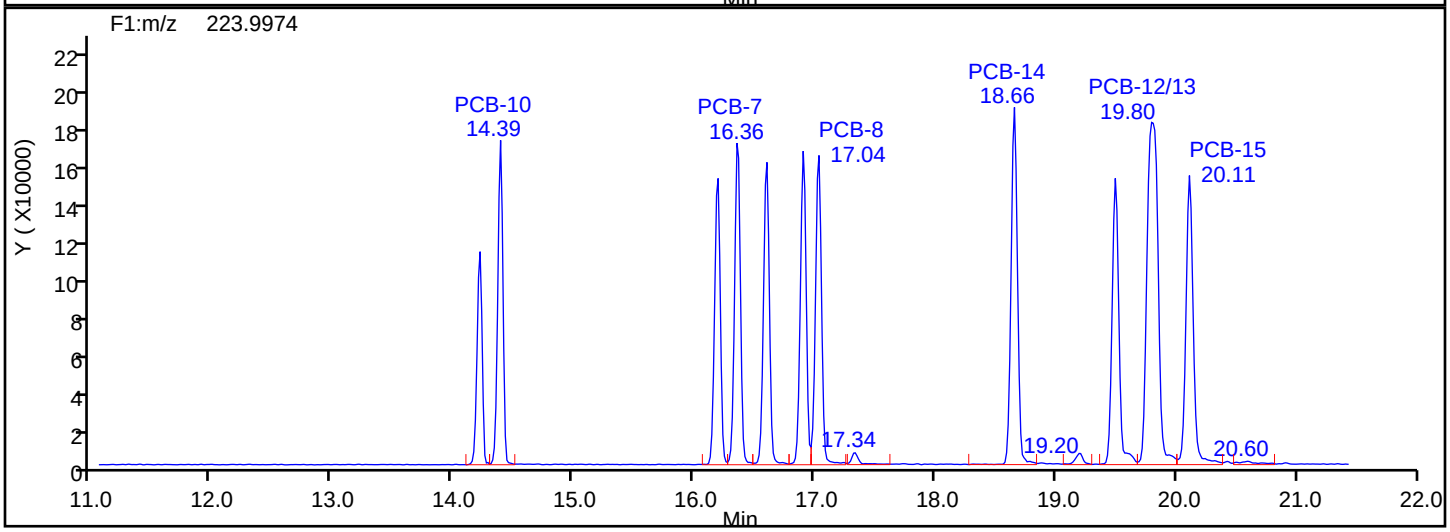
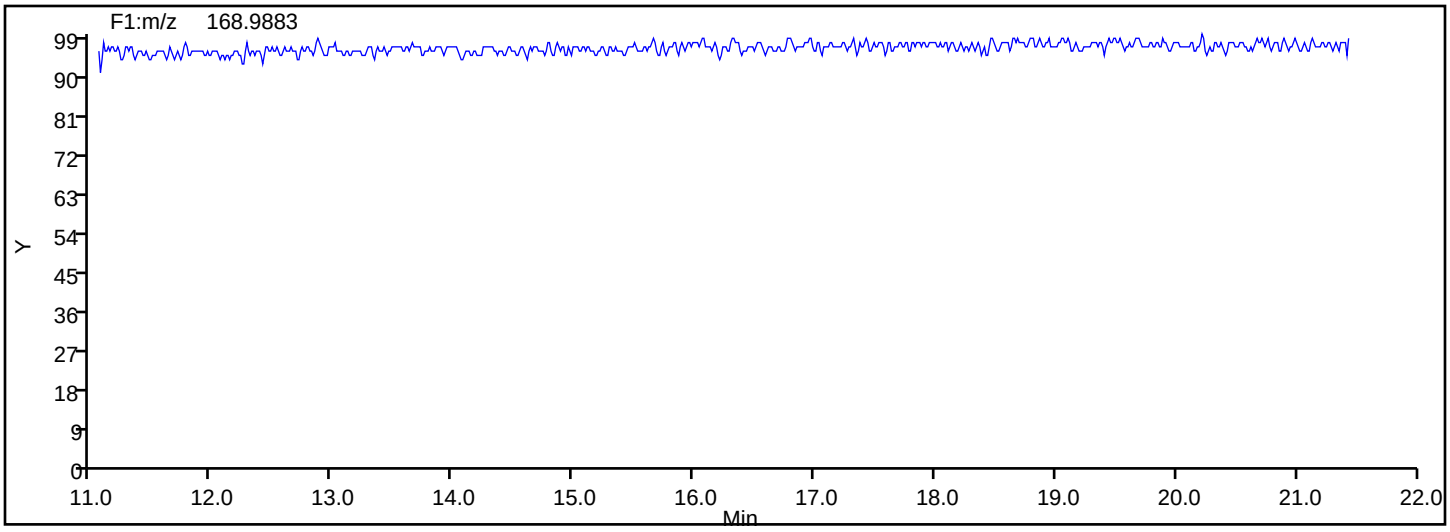
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DiPCB F1




DiPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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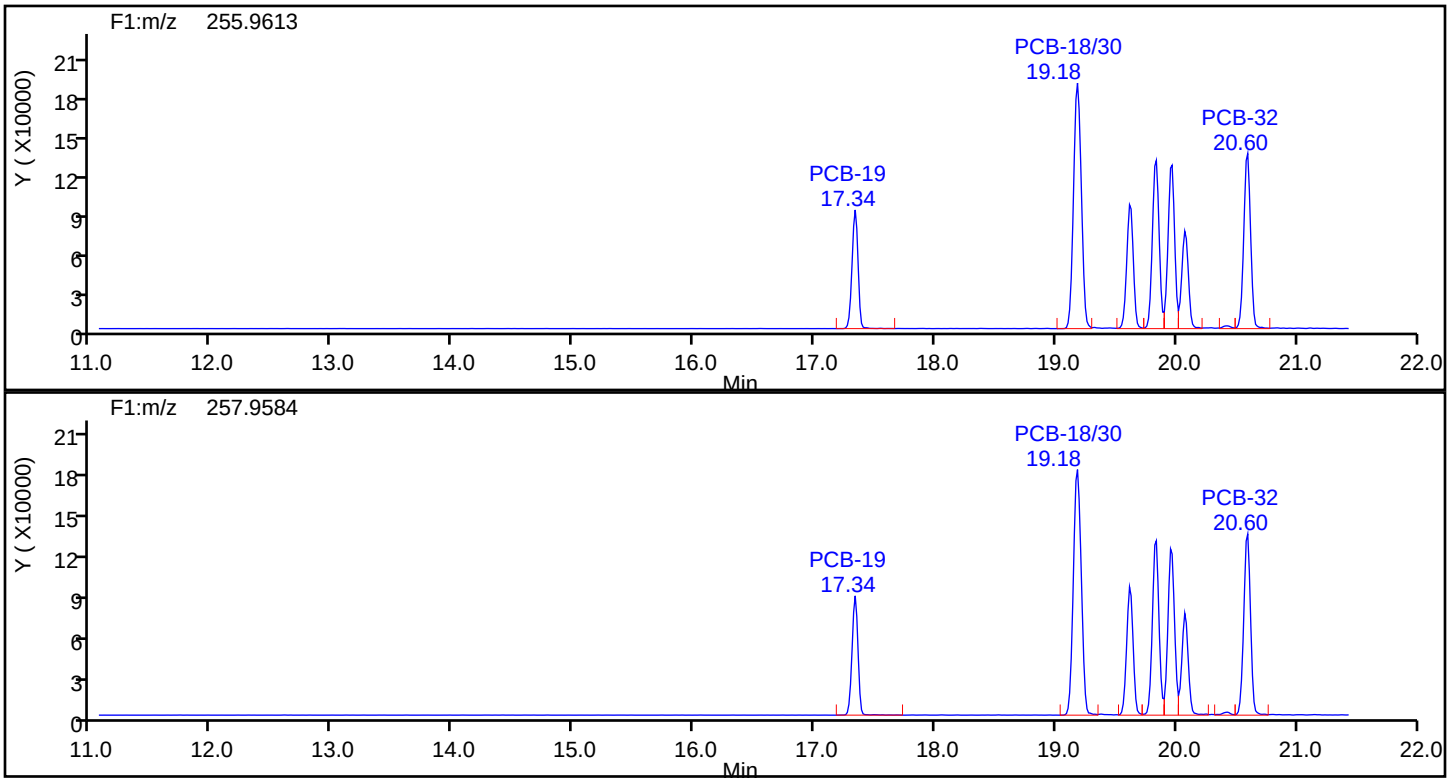
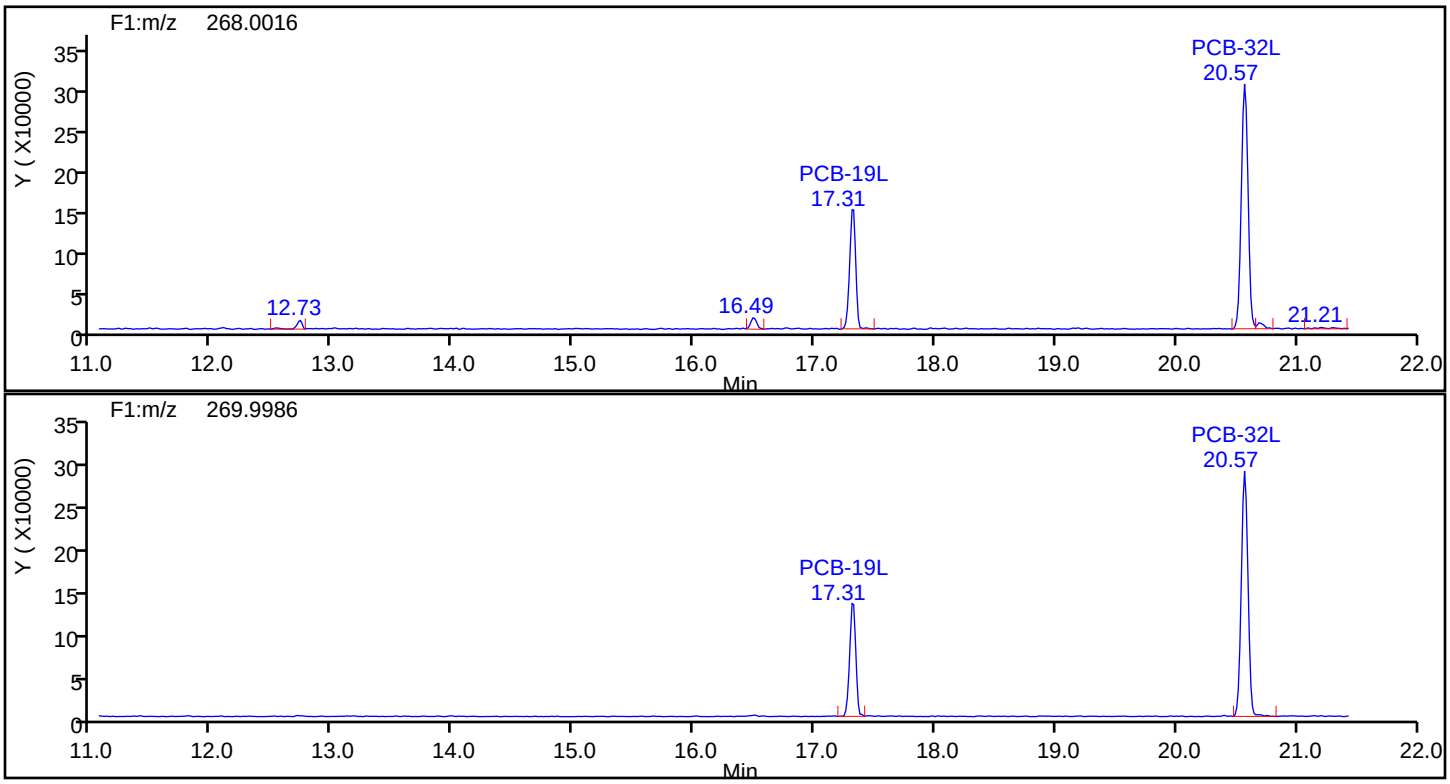
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Standards



Eurofins TestAmerica, Knoxville

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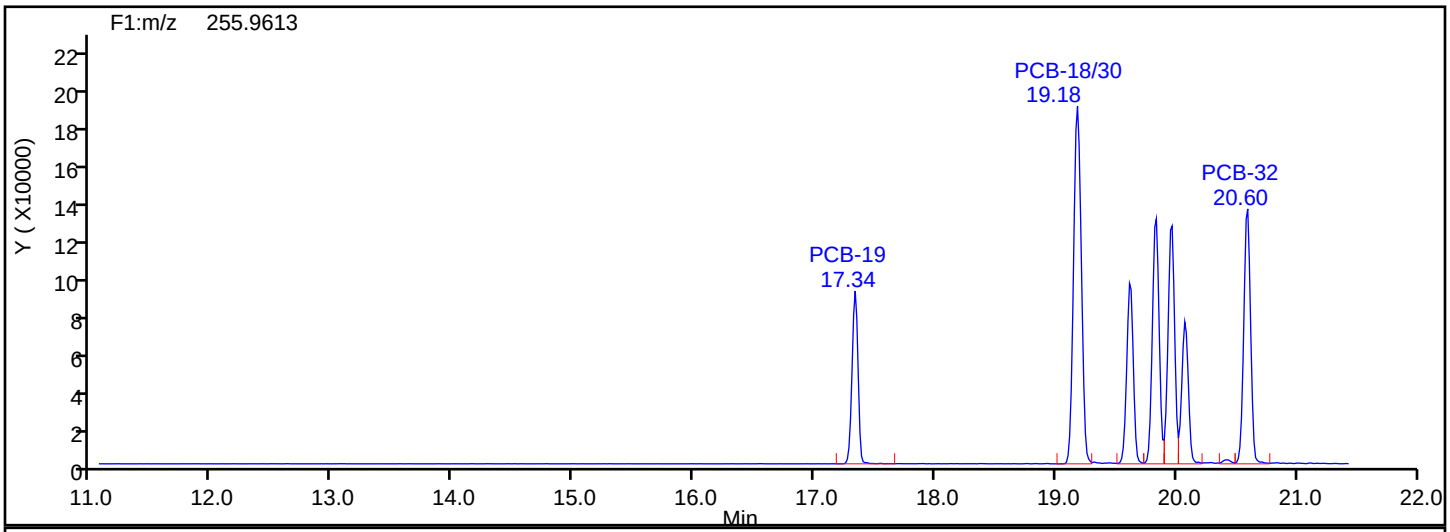
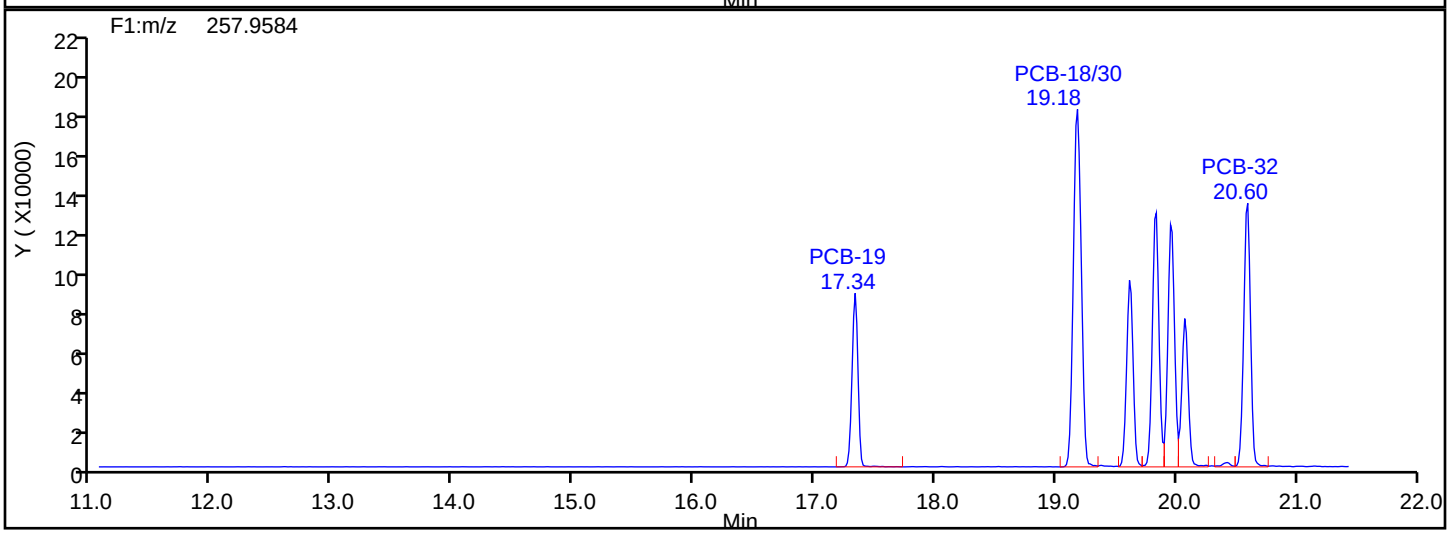
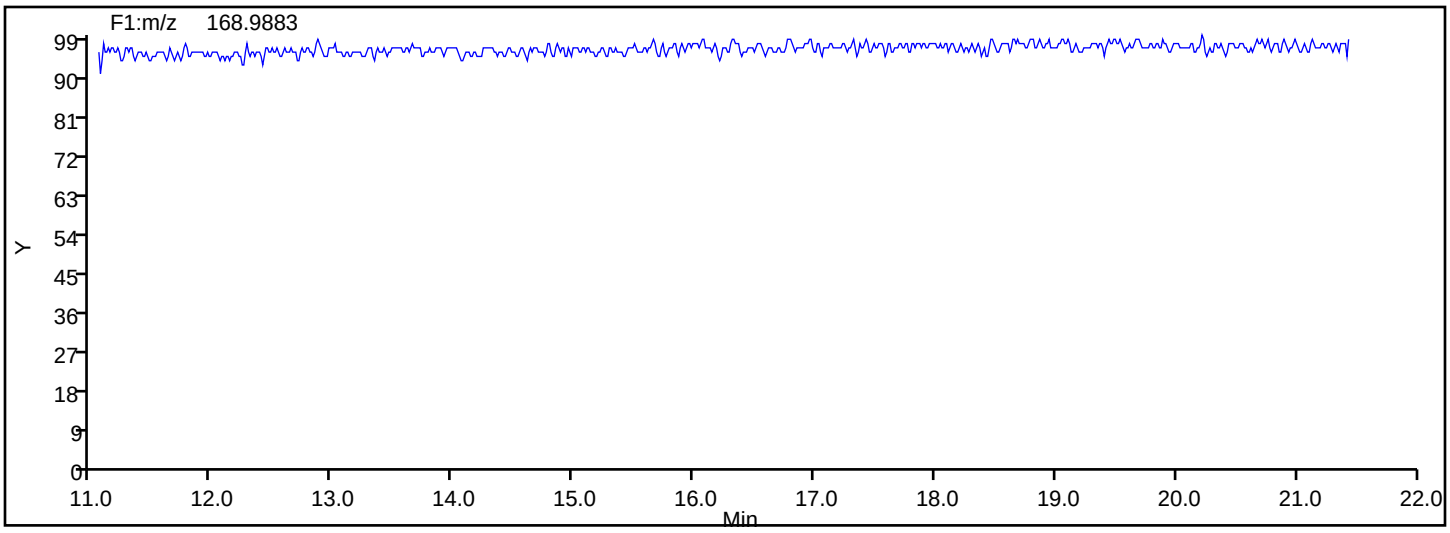
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F1




TriPCB F1 Lock Mass



Eurofins TestAmerica, Knoxville

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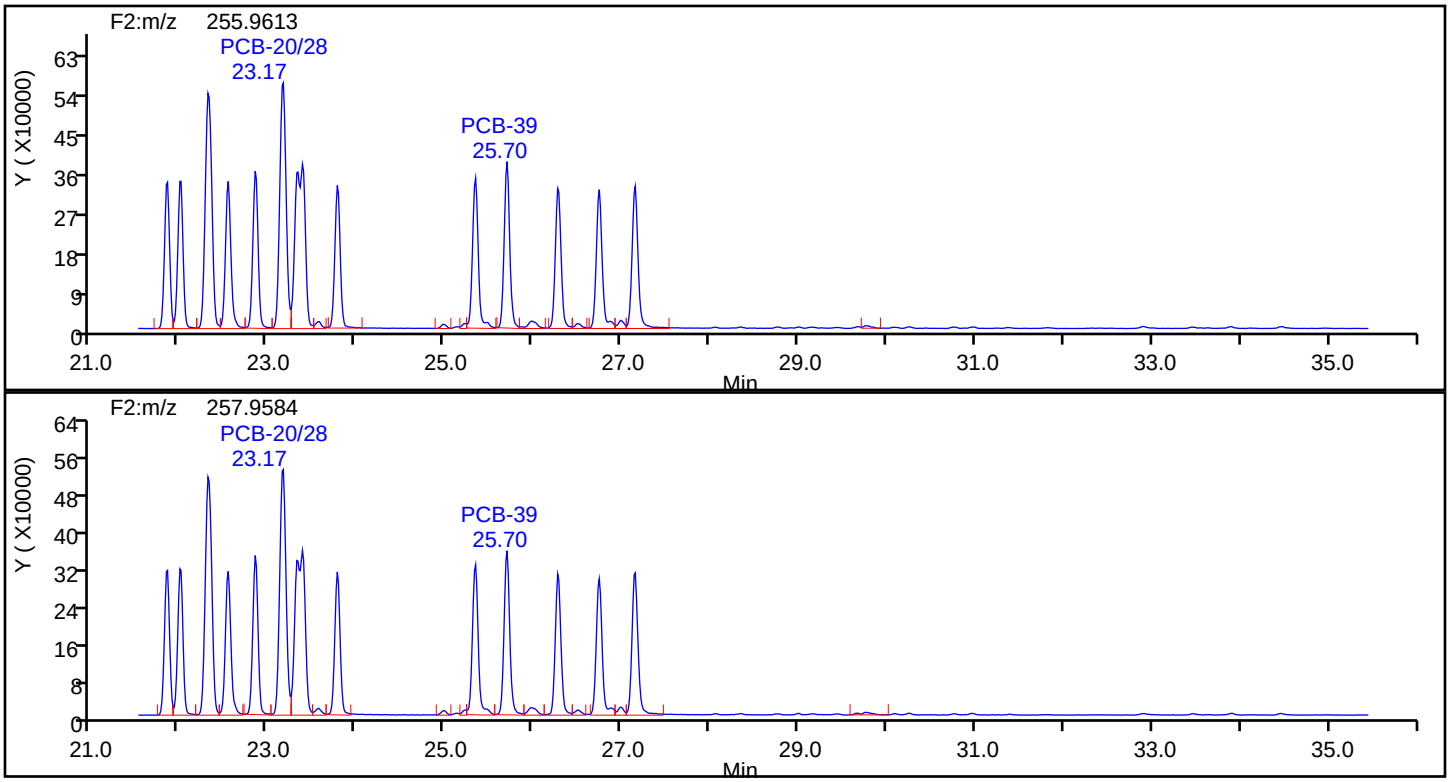
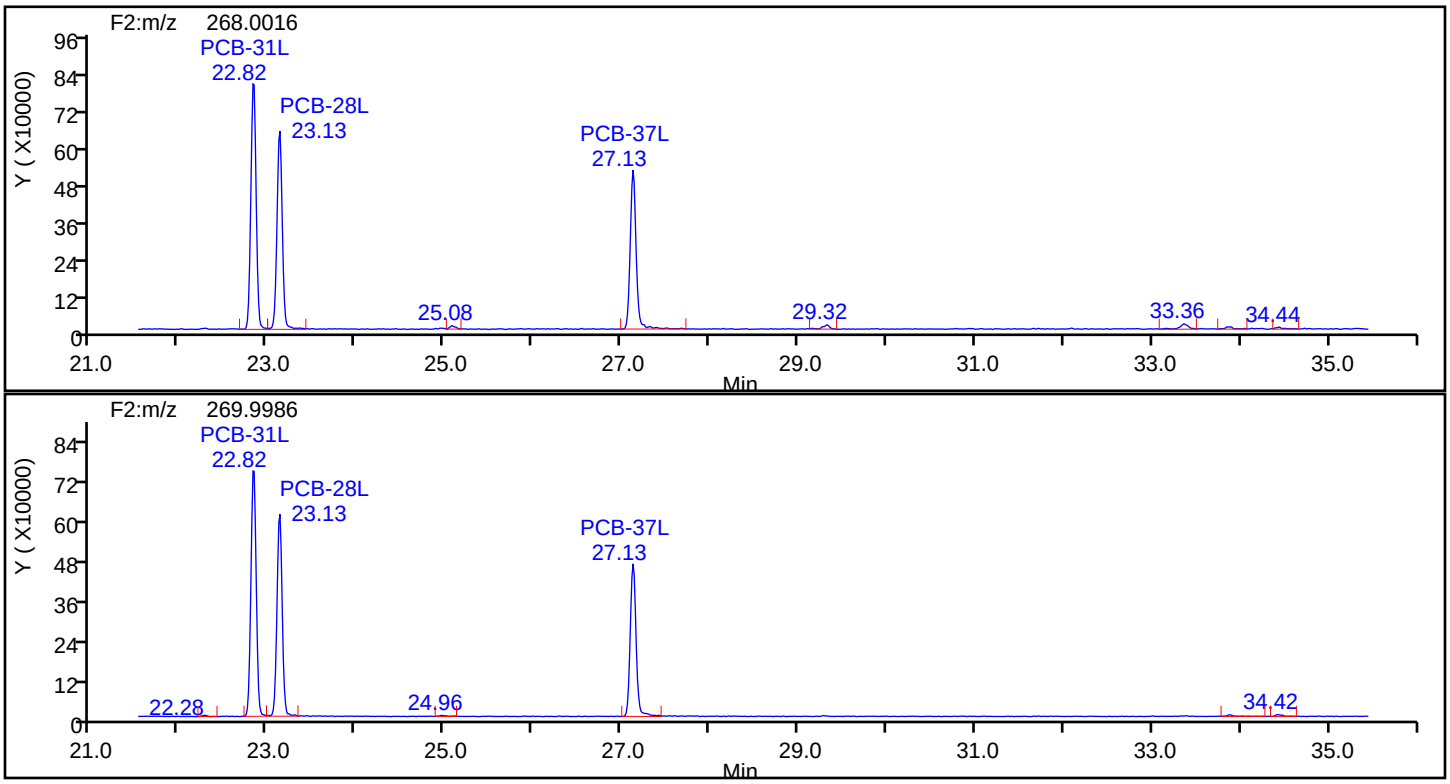
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Standards



Eurofins TestAmerica, Knoxville

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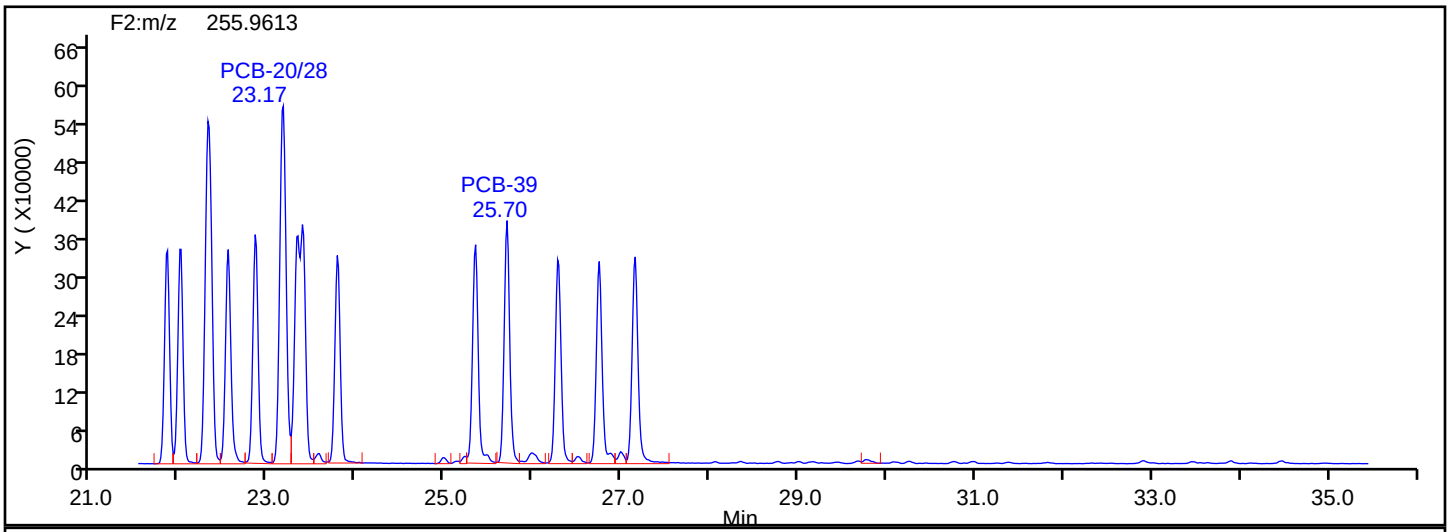
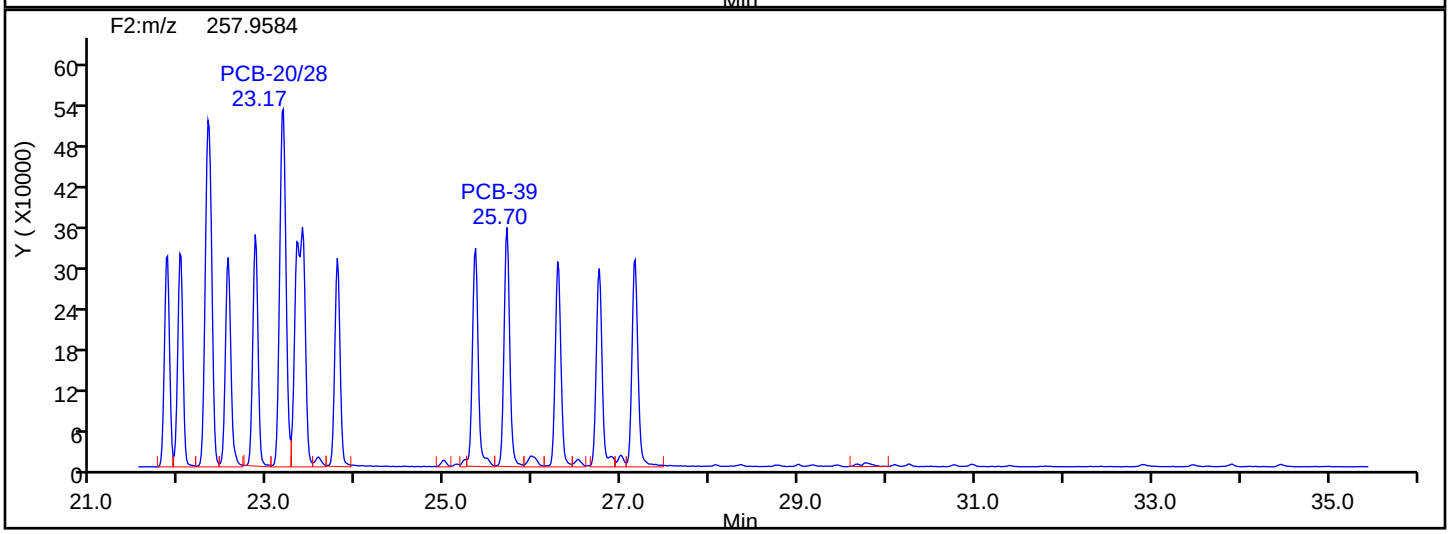
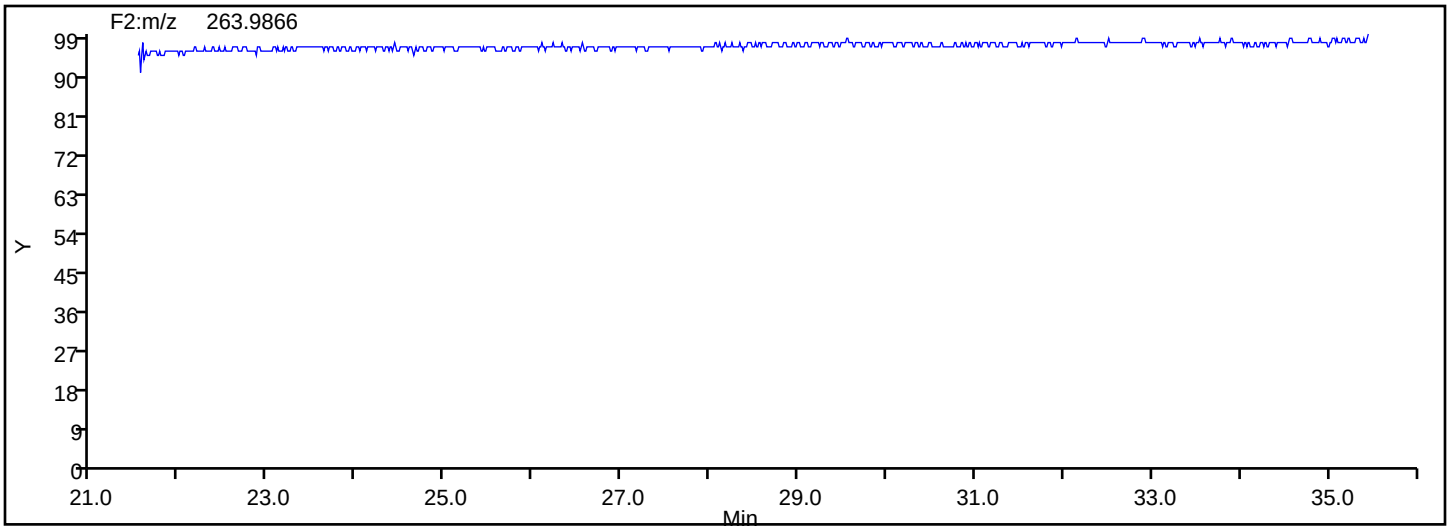
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TriPCB F2




TriPCB F2 Lock Mass



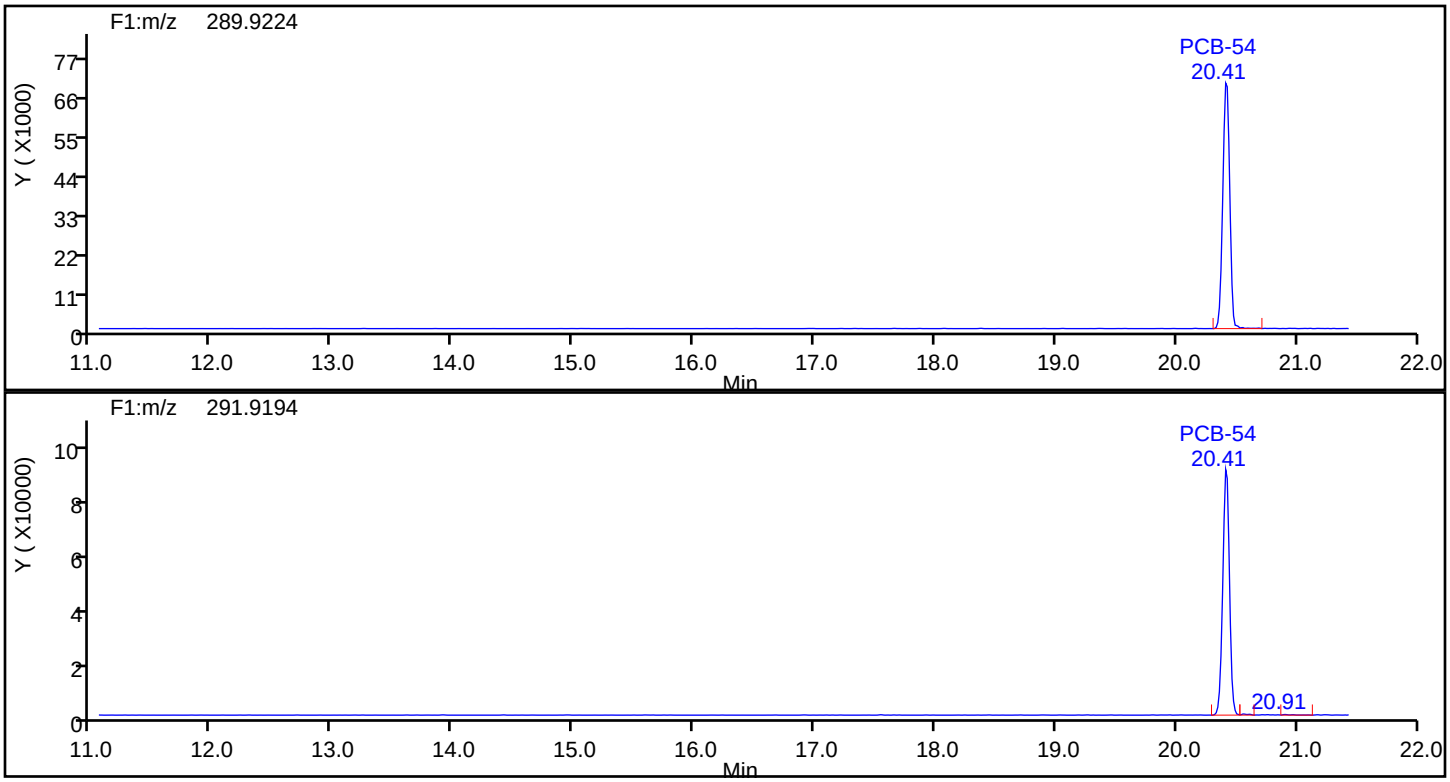
Report Date: 09-Oct-2019 15:56:09 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

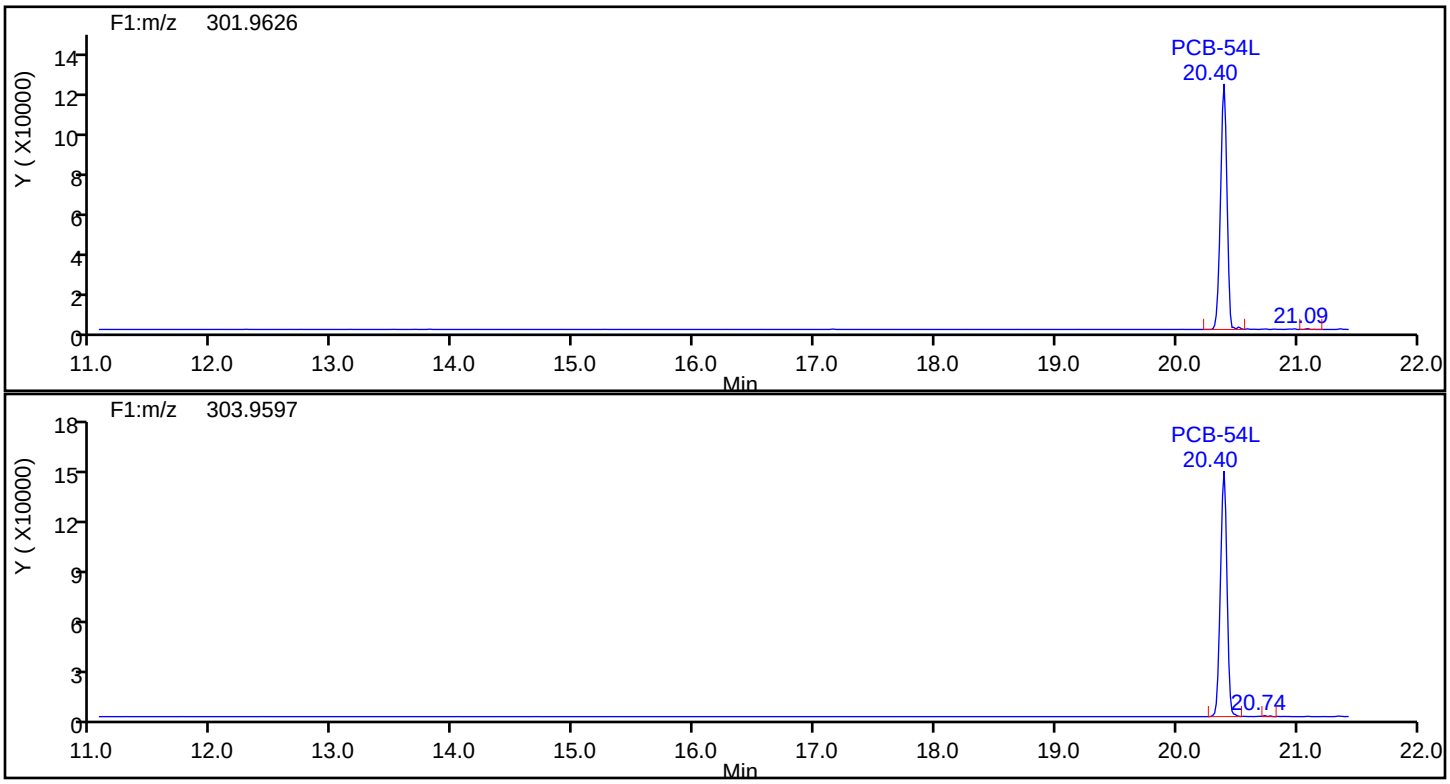
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d

| | | | |
|---|---|---|---|
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F1




TePCB F1 Standards



Report Date: 09-Oct-2019 15:56:09 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d

Injection Date: 09-Oct-2019 14:41:00 Injection Vol: 1.0 ul

Instrument ID: D3D Operator ID: Xcalibur_System

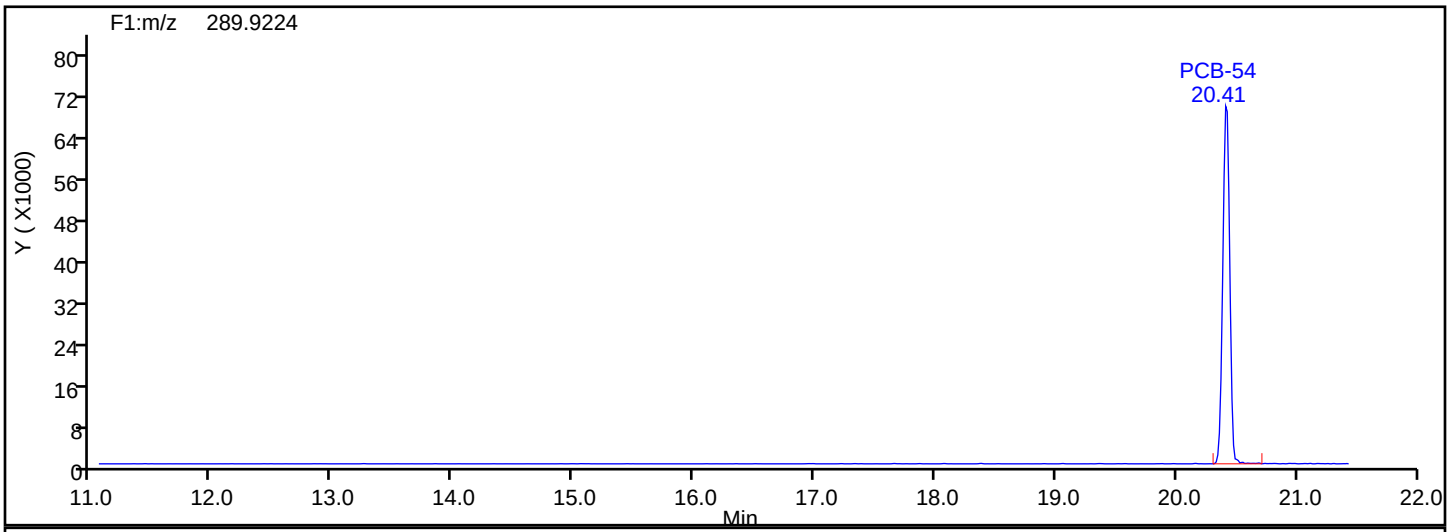
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL

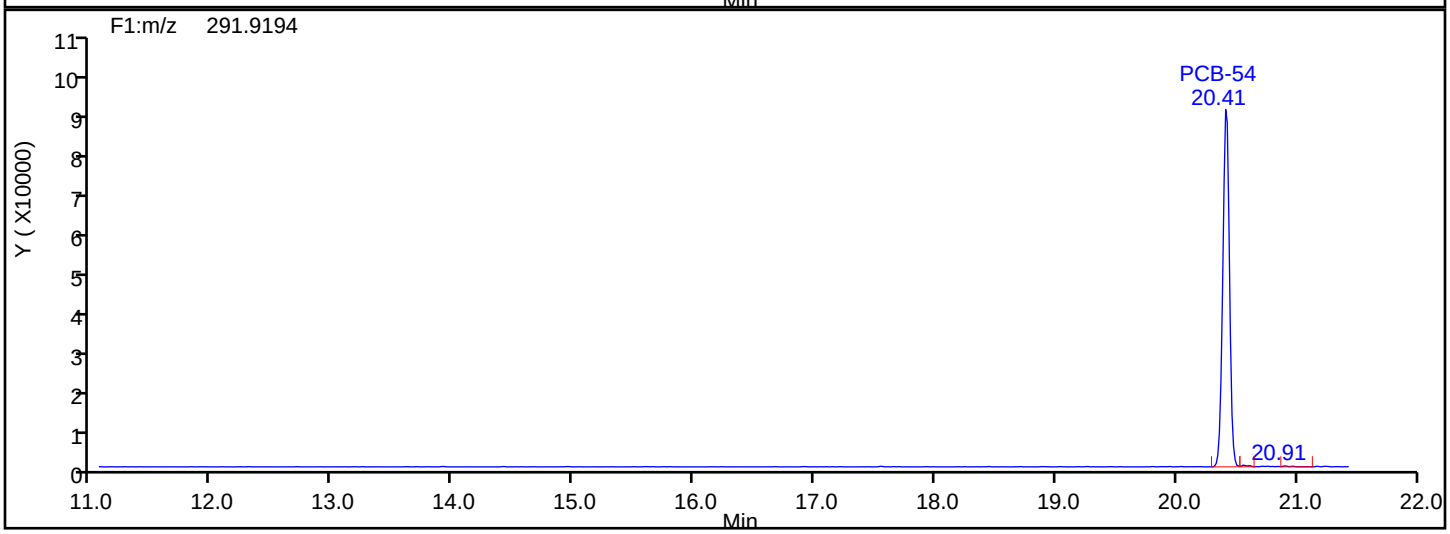
Client ID:

Worklist#: 34298 Sample Line#: 2

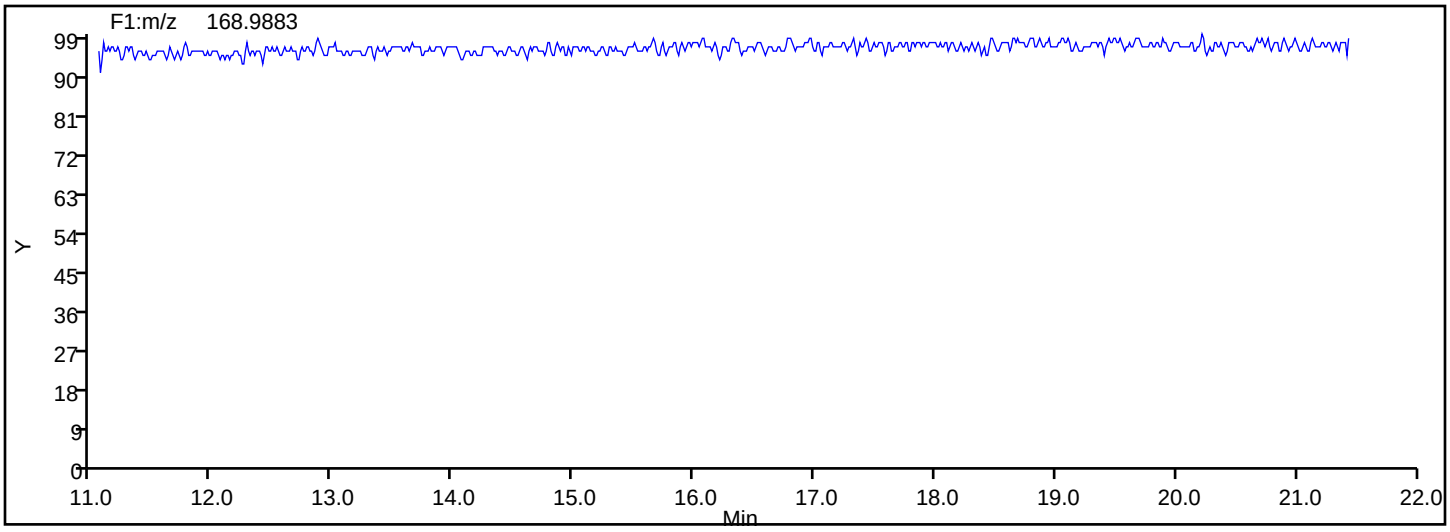
Column Type: SPB-Octyl Column Dia: 0.25 mm

TePCB F1



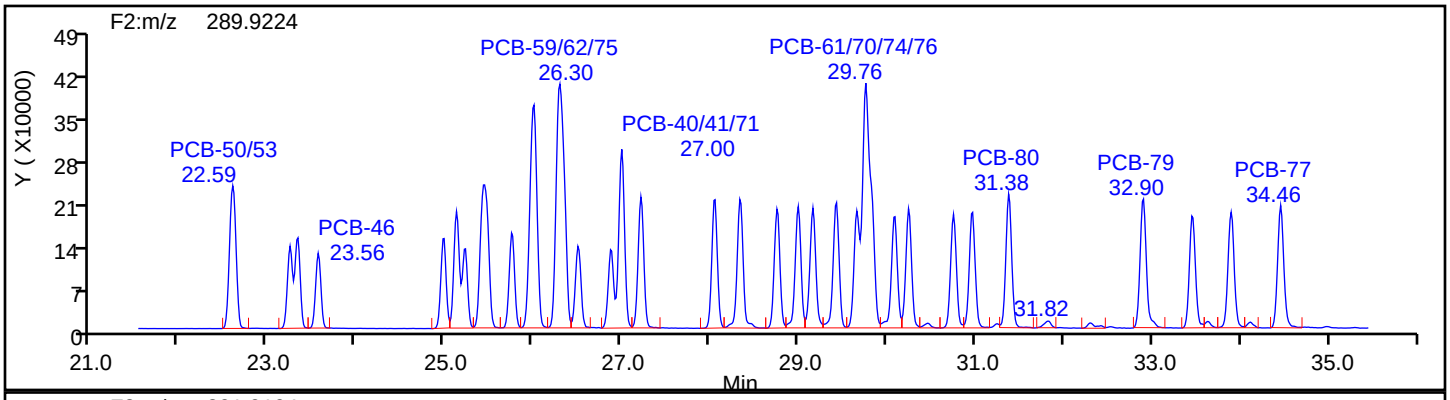

TePCB F1 Lock Mass

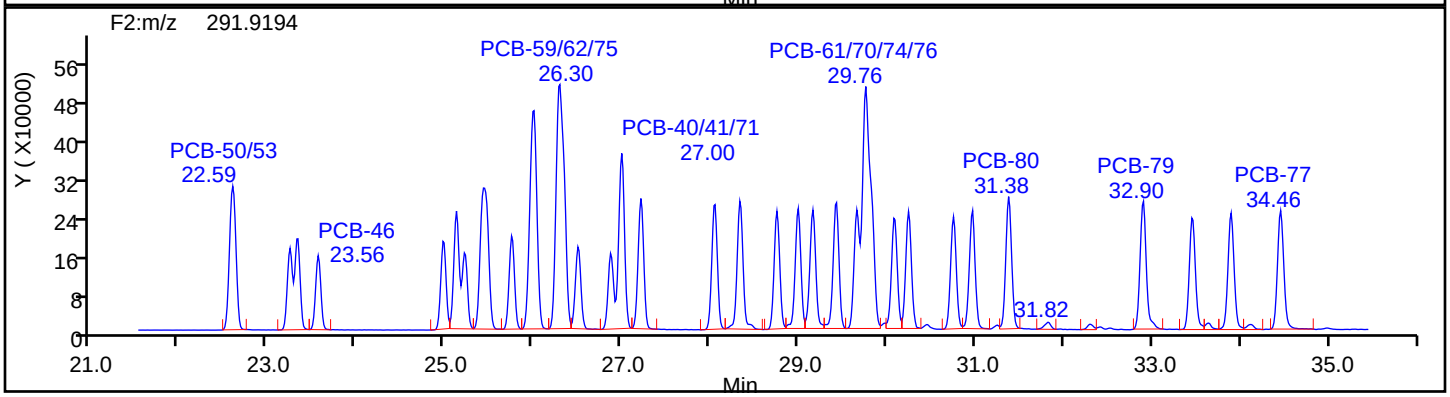


Eurofins TestAmerica, Knoxville

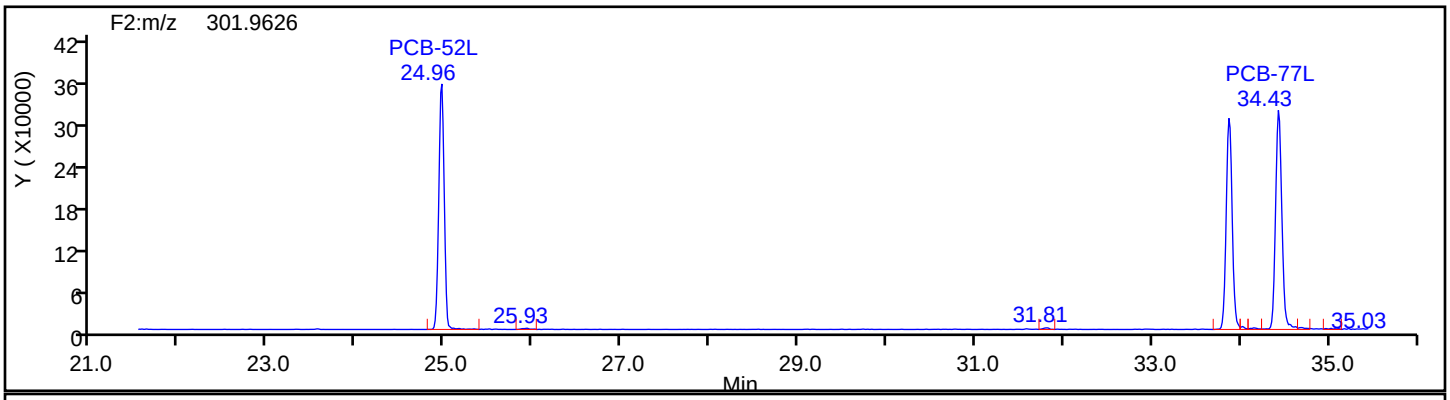
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

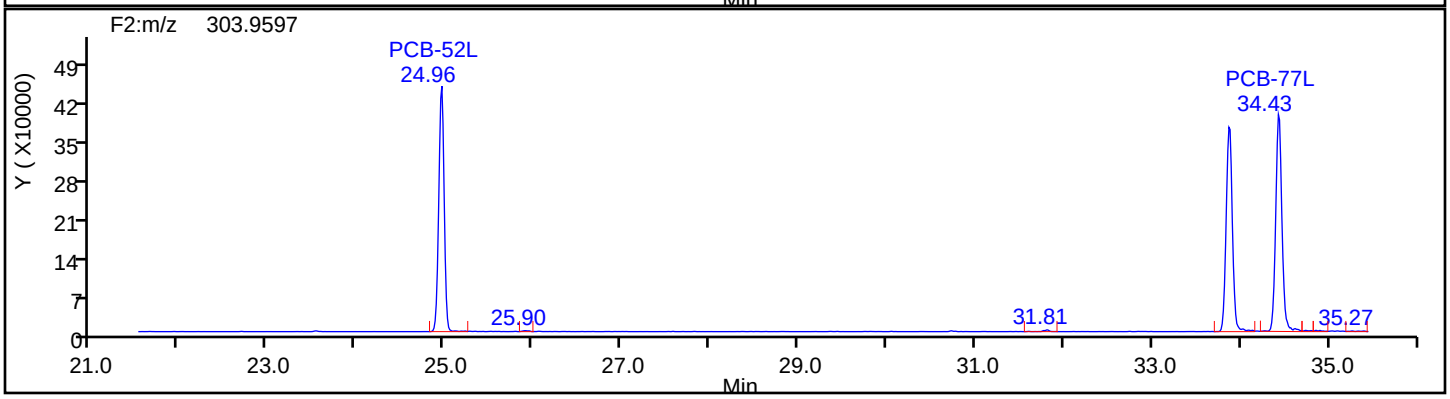
TePCB F2




TePCB F2 Standards

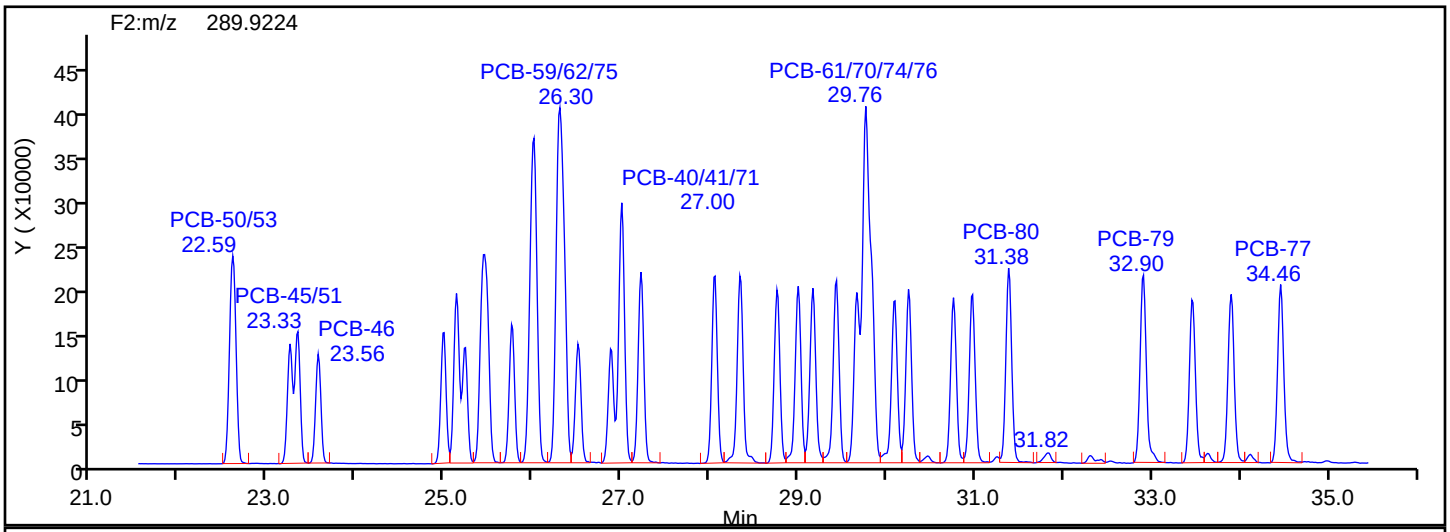


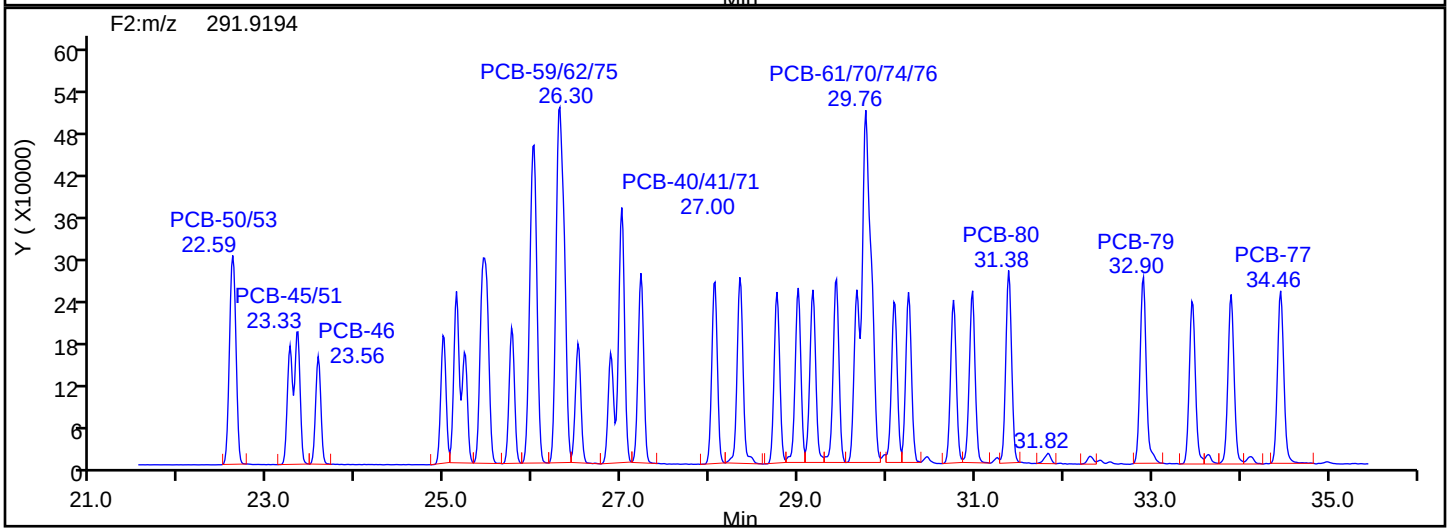



Eurofins TestAmerica, Knoxville

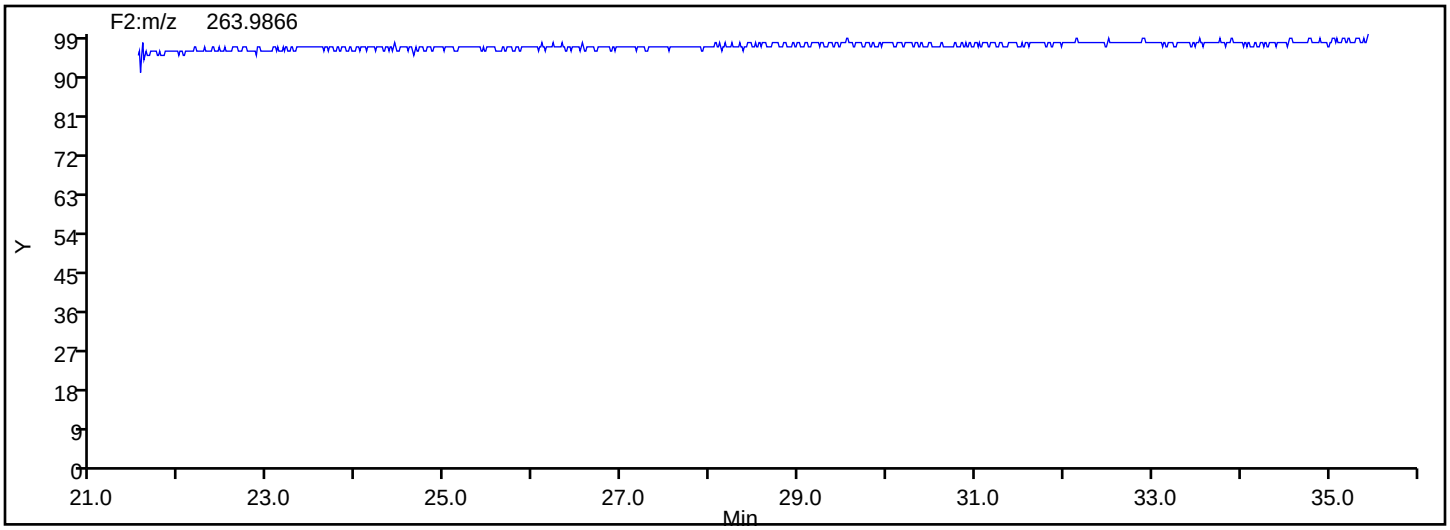
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

TePCB F2




TePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

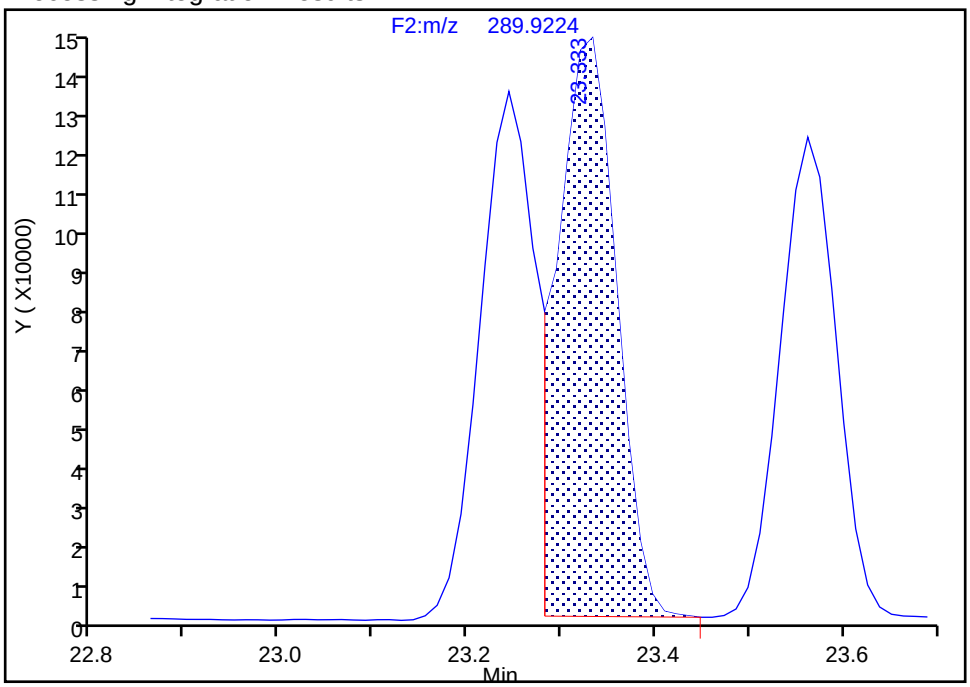
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 1

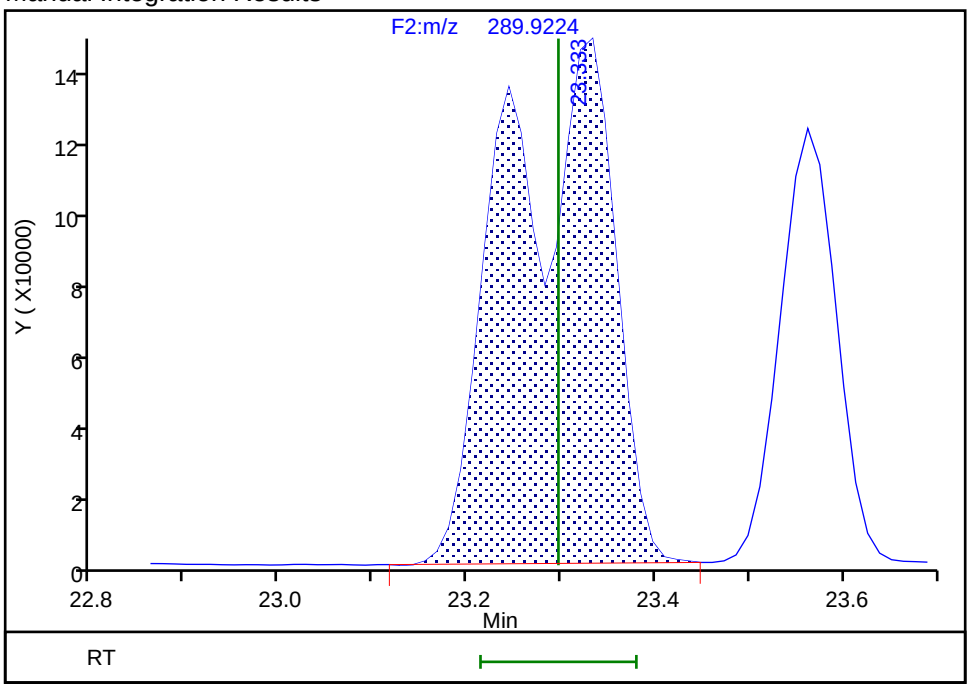
Processing Integration Results

RT: 23.33
Area: 631302
Amount: 47.292227
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 1170176
Amount: 88.397352
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:50:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

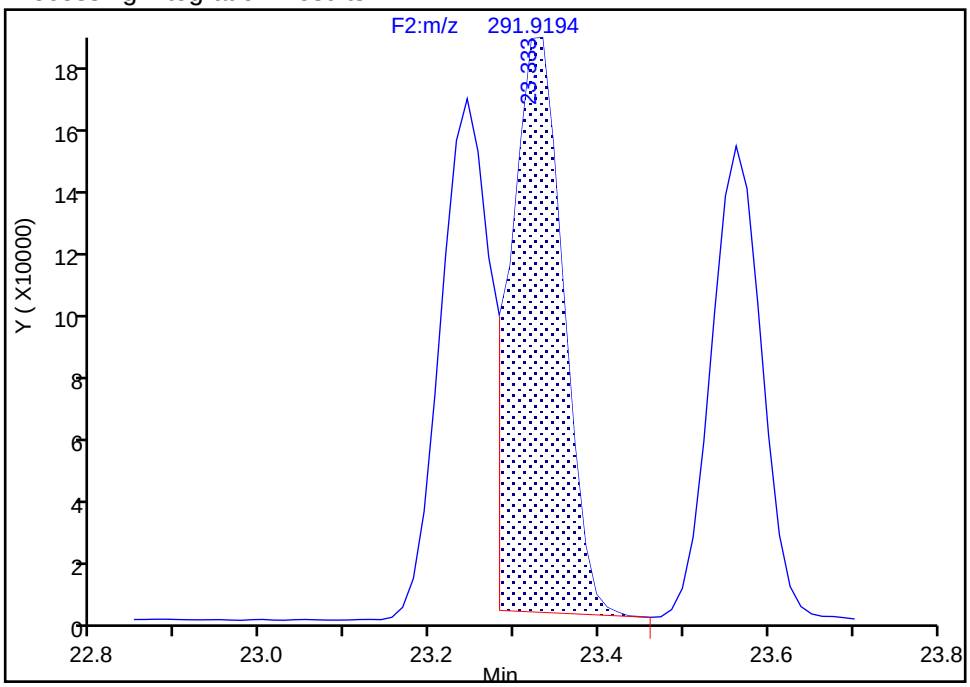
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-45/51, CAS: STL01804

Signal: 2

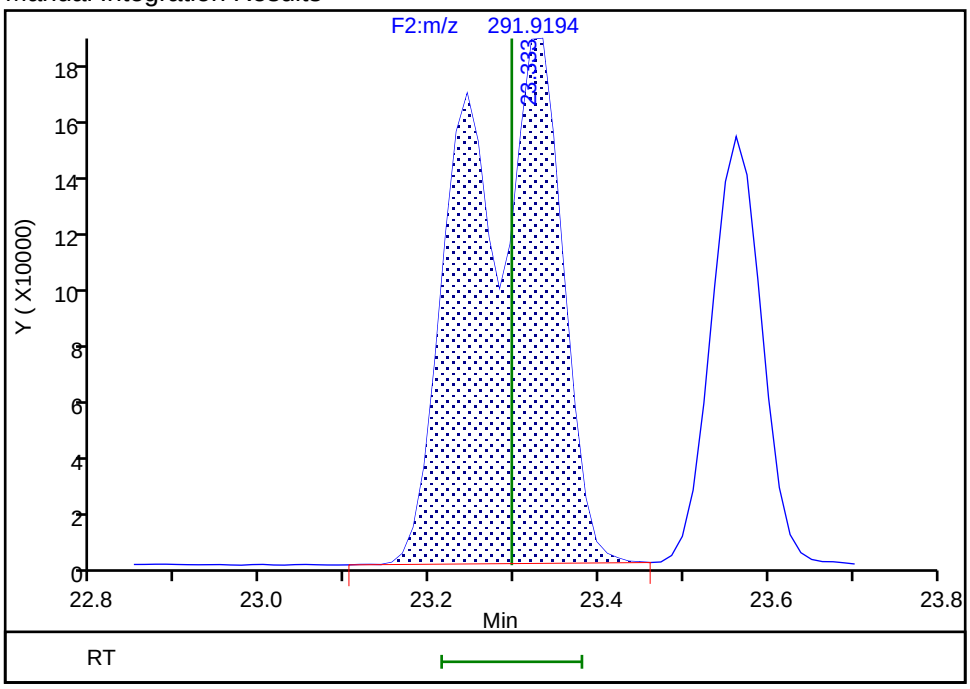
Processing Integration Results

RT: 23.33
Area: 786035
Amount: 47.292227
Amount Units: pg/ul




Manual Integration Results

RT: 23.33
Area: 1479072
Amount: 88.397352
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:50:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

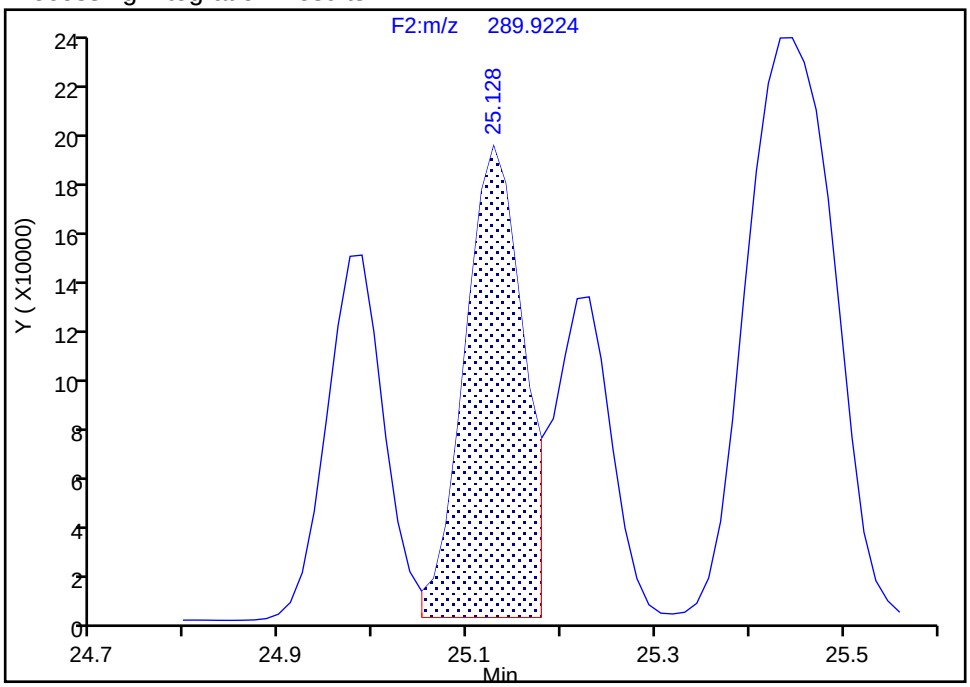
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 1

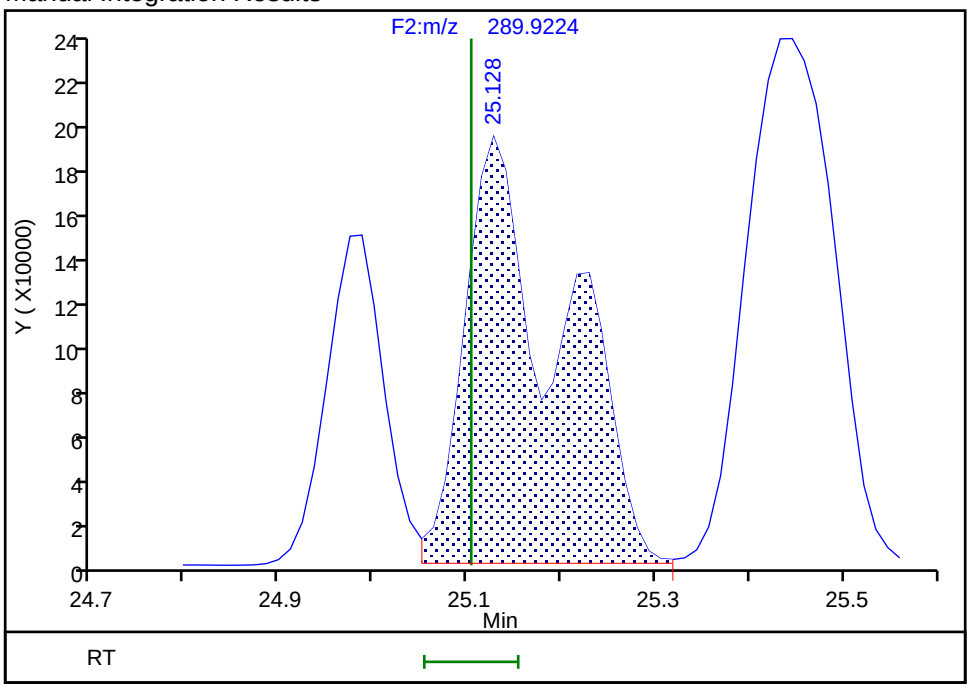
Processing Integration Results

RT: 25.13
Area: 818529
Amount: 54.217621
Amount Units: pg/ul




Manual Integration Results

RT: 25.13
Area: 1369802
Amount: 90.123120
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:50:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

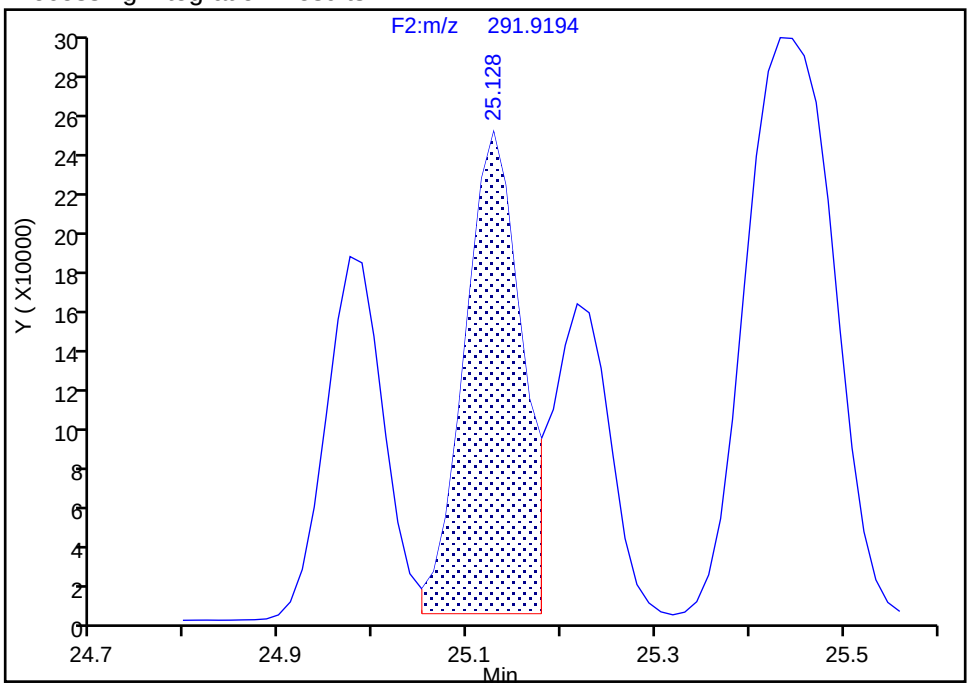
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-43/73, CAS: STL02293

Signal: 2

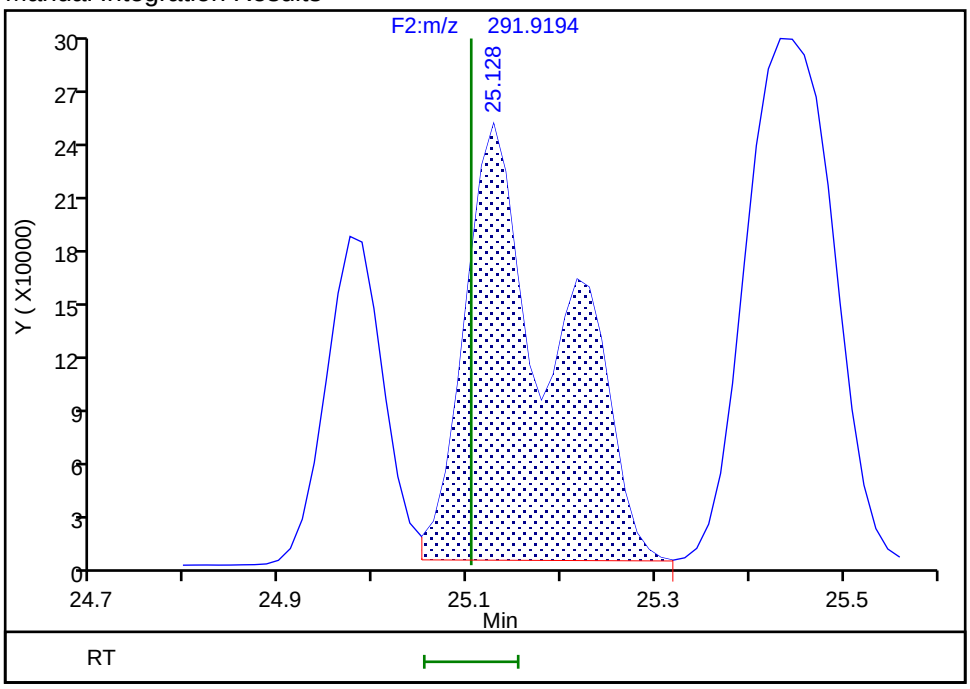
Processing Integration Results

RT: 25.13
Area: 1016245
Amount: 54.217621
Amount Units: pg/ul




Manual Integration Results

RT: 25.13
Area: 1680047
Amount: 90.123120
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:51:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

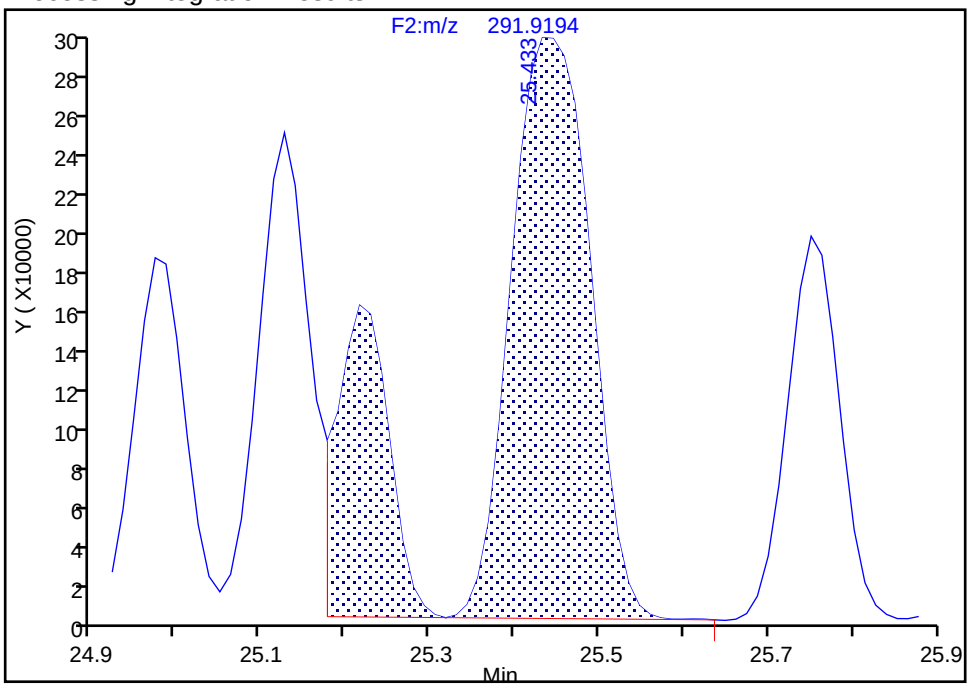
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-49/69, CAS: STL01805

Signal: 2

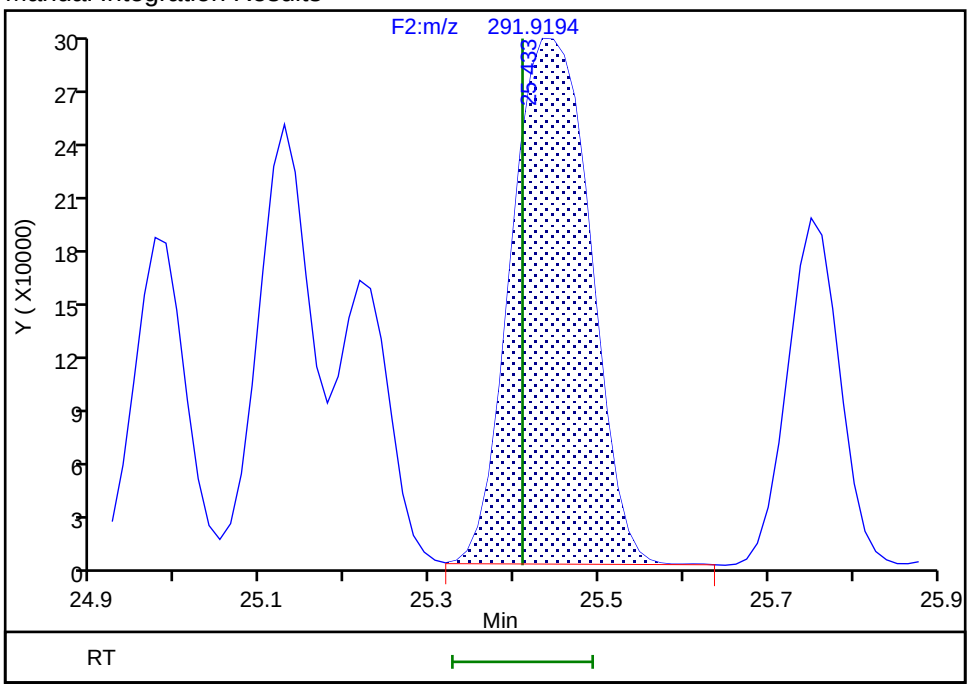
Processing Integration Results

RT: 25.43
Area: 2556653
Amount: 106.1647
Amount Units: pg/ul




Manual Integration Results

RT: 25.43
Area: 1906248
Amount: 89.265872
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:51:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

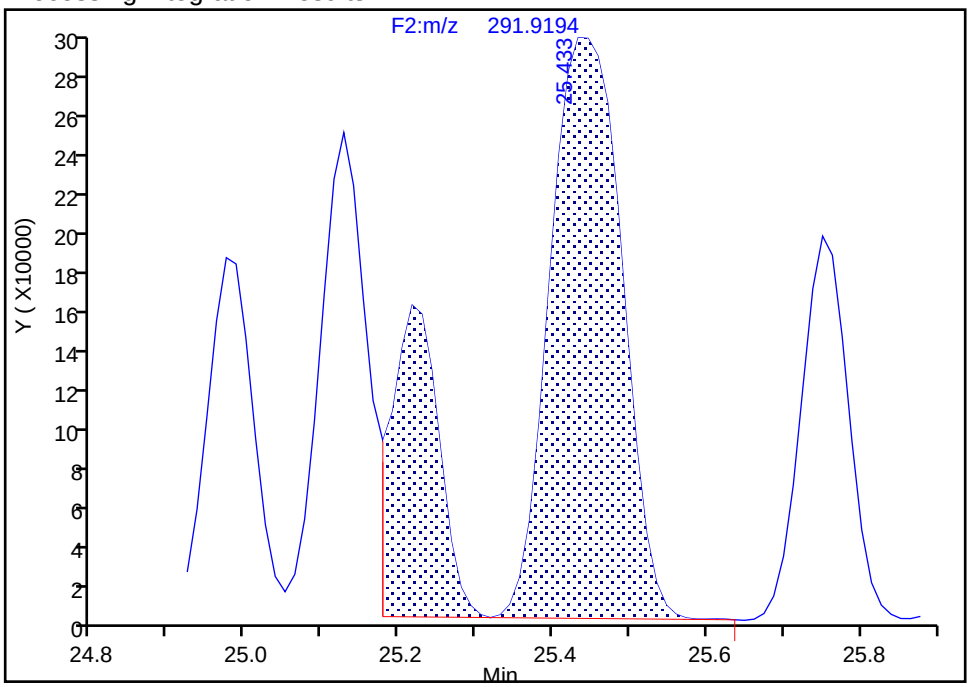
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 3

Processing Integration Results

RT: 25.45
Area: 4086095
Amount: 106.1647
Amount Units: pg/ul




Manual Integration Results

RT: 25.45
Area: 3435690
Amount: 89.265872
Amount Units: pg/ul
Reviewer: davidsonm, 09-Oct-2019 15:51:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

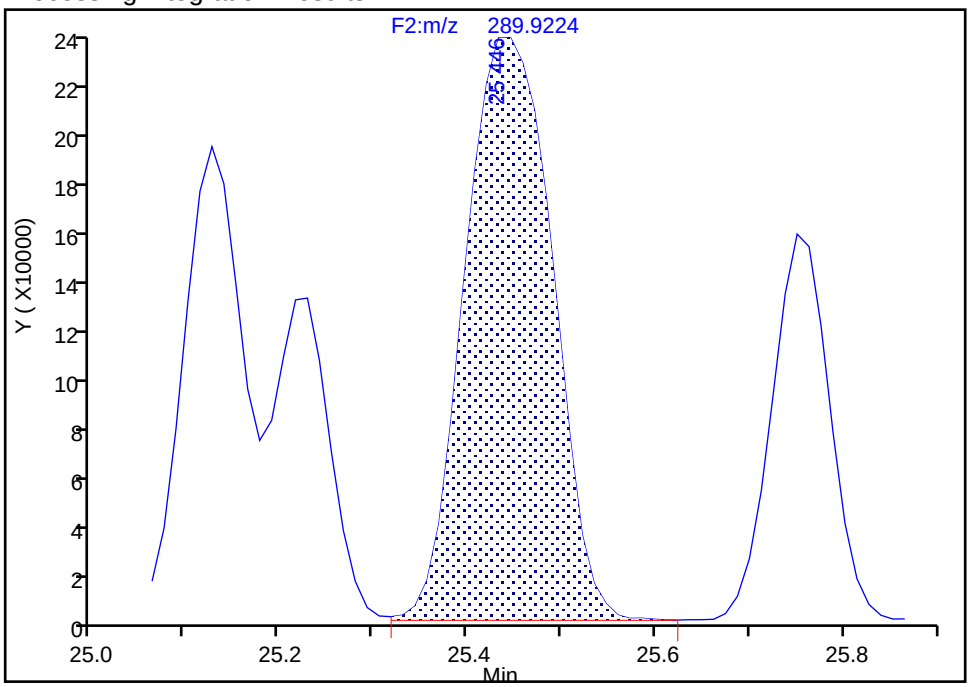
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-49/69, CAS: STL01805

Signal: 1

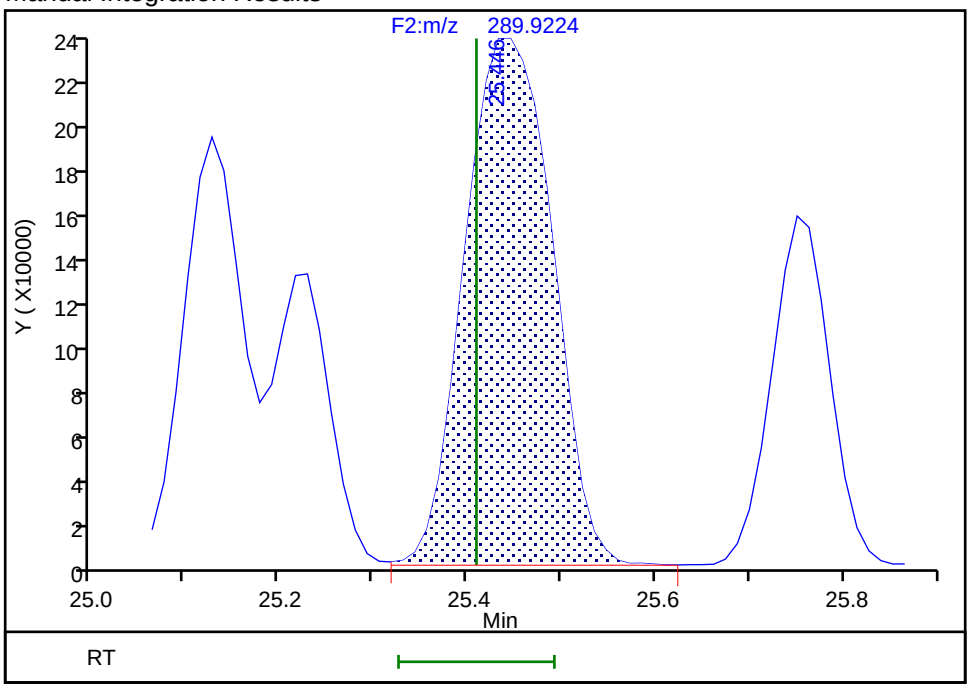
Processing Integration Results

RT: 25.45
Area: 1529442
Amount: 106.1647
Amount Units: pg/ul




Manual Integration Results

RT: 25.45
Area: 1529442
Amount: 89.265872
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:51:17
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

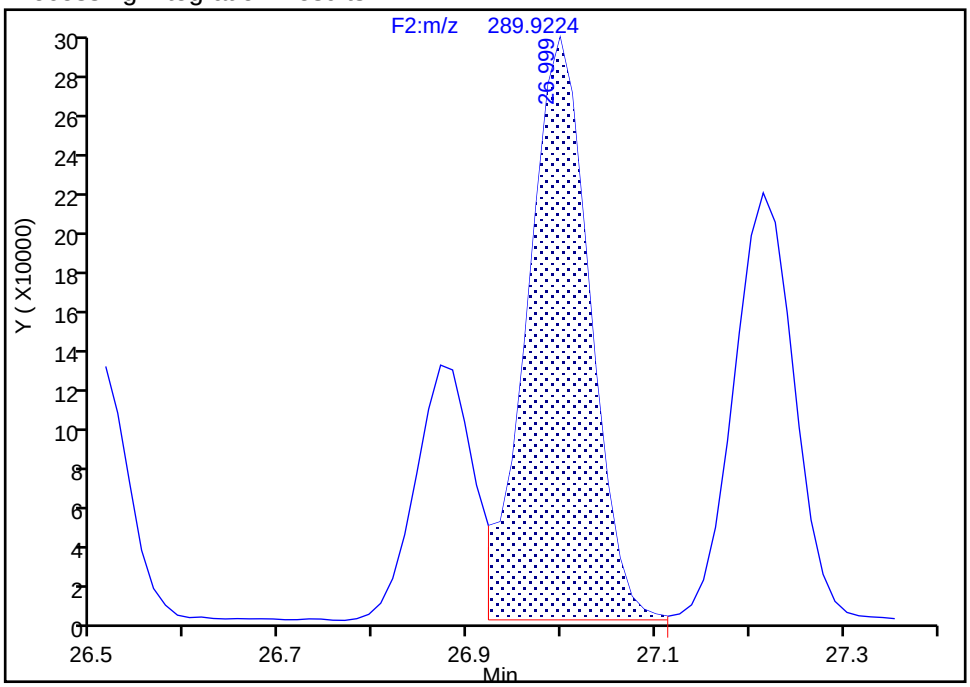
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 1

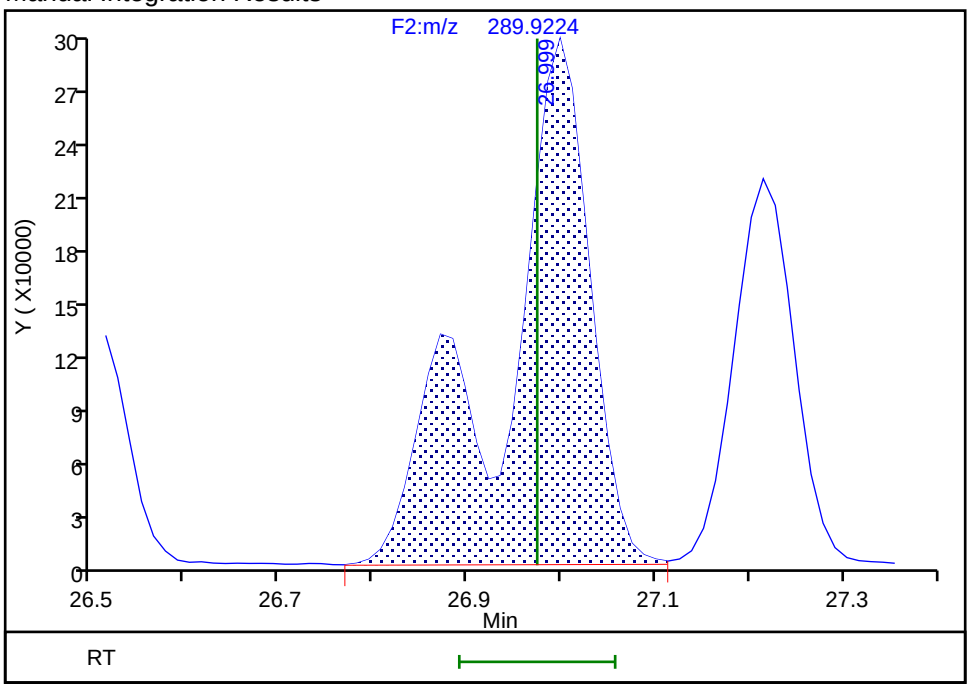
Processing Integration Results

RT: 27.00
Area: 1359194
Amount: 97.504886
Amount Units: pg/ul




Manual Integration Results

RT: 27.00
Area: 1901187
Amount: 136.1113
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:51:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

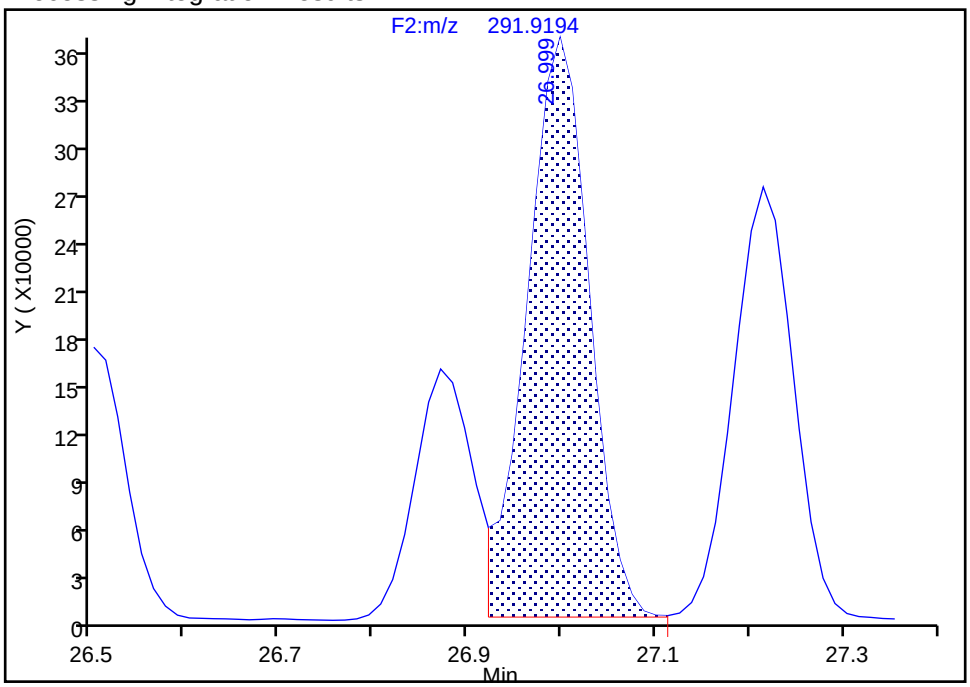
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-40/41/71, CAS: STL02292

Signal: 2

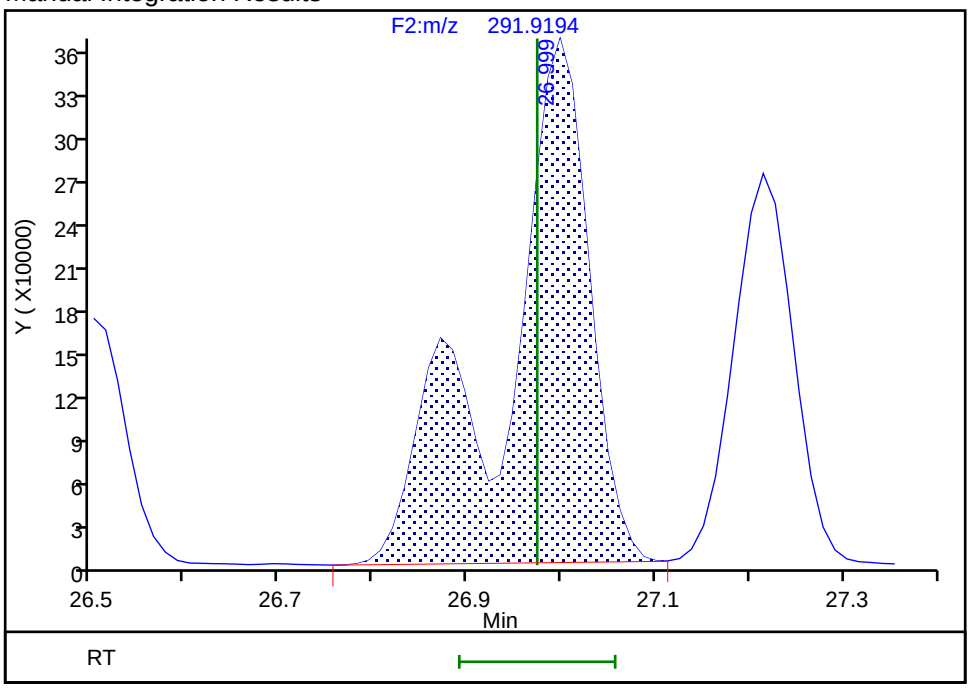
Processing Integration Results

RT: 27.00
Area: 1671535
Amount: 97.504886
Amount Units: pg/ul




Manual Integration Results

RT: 27.00
Area: 2329540
Amount: 136.1113
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:51:45

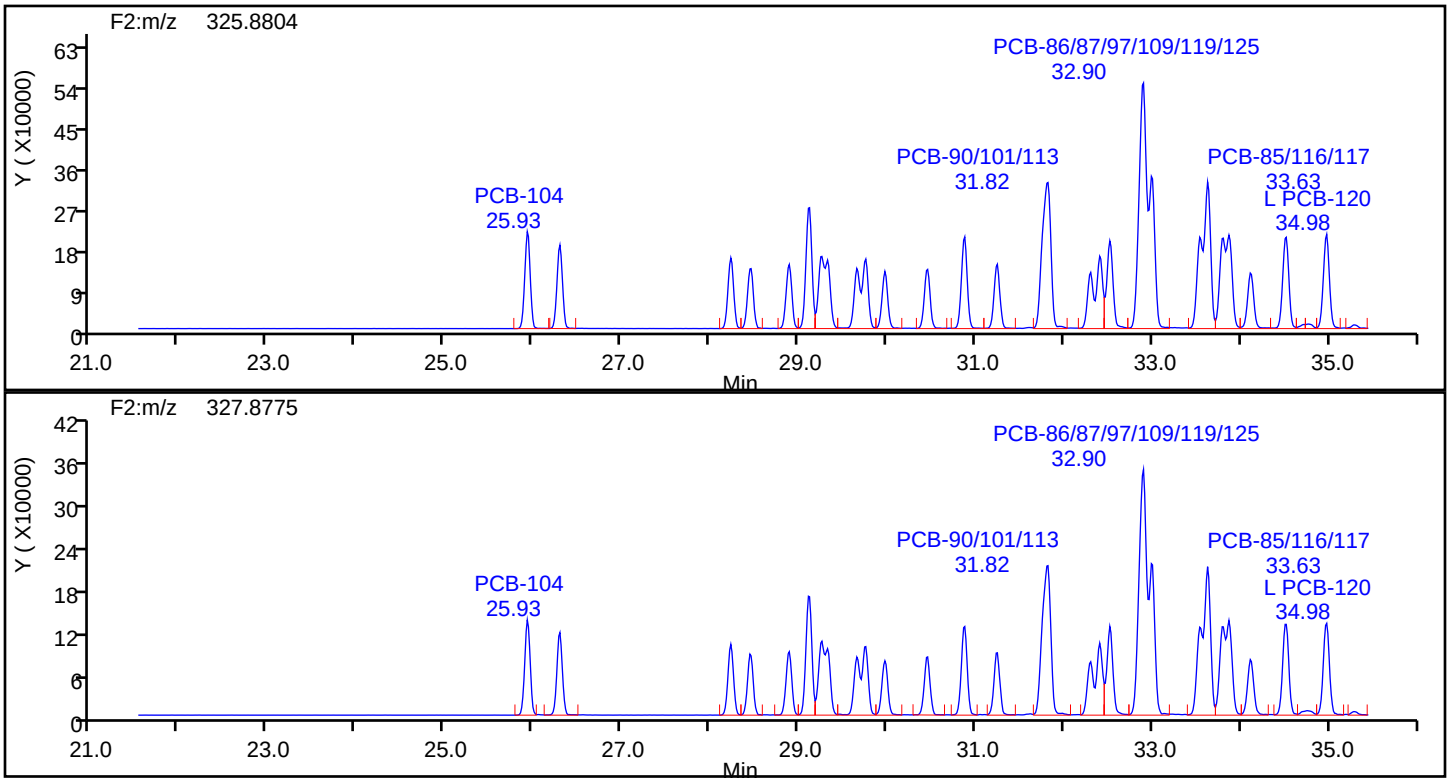
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 09-Oct-2019 15:56:09 Chrom Revision: 2.3 17-Sep-2019 16:19:08

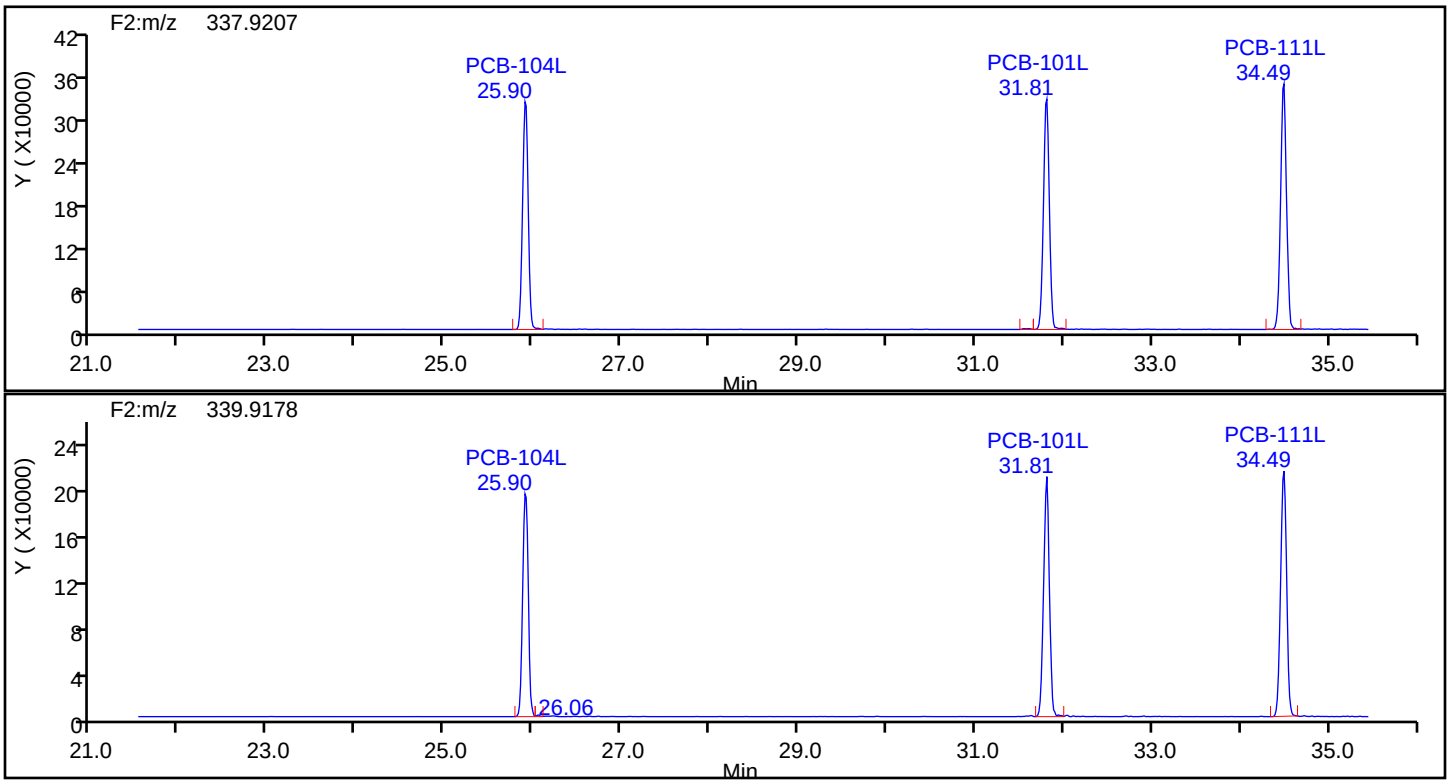
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2



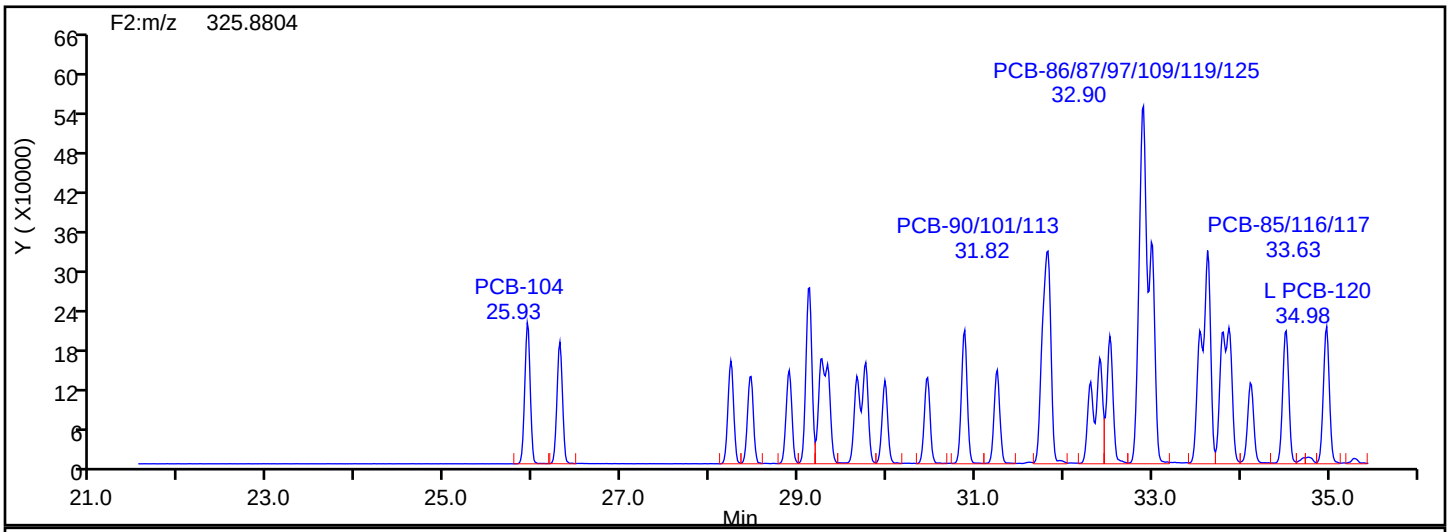

PePCB F2 Standards

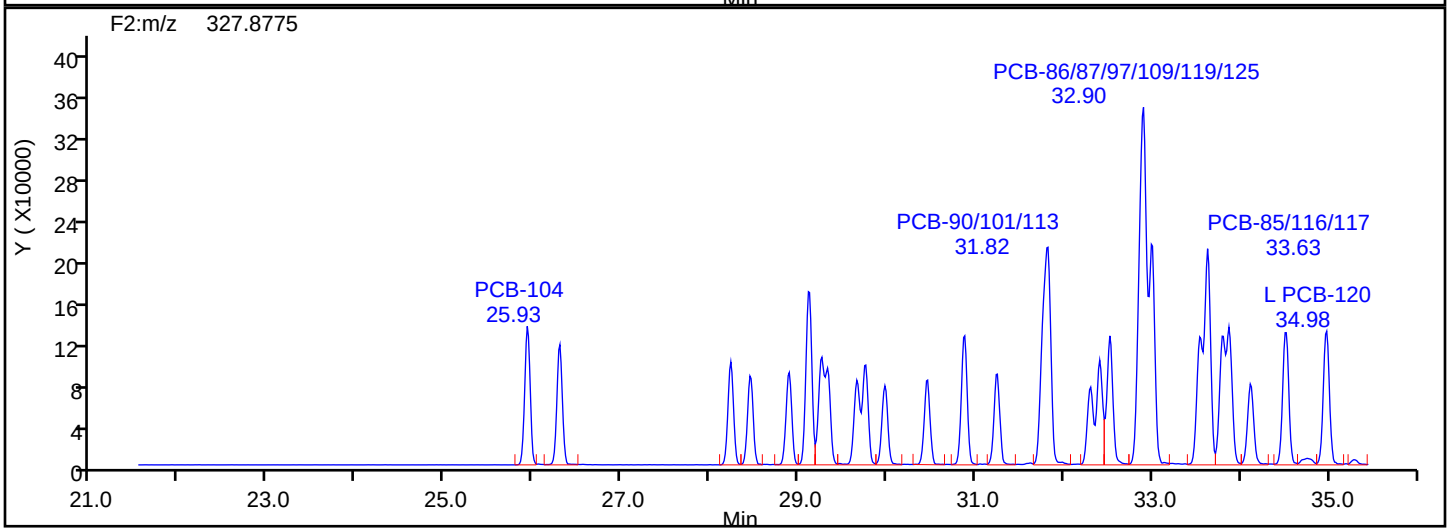


Eurofins TestAmerica, Knoxville

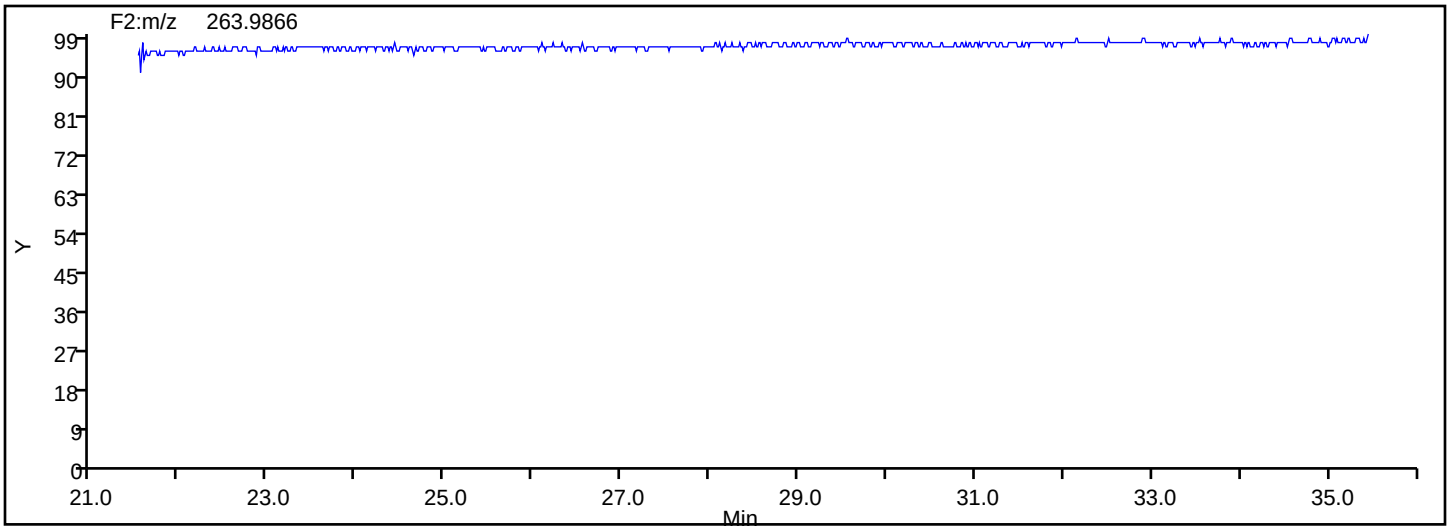
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F2




PePCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

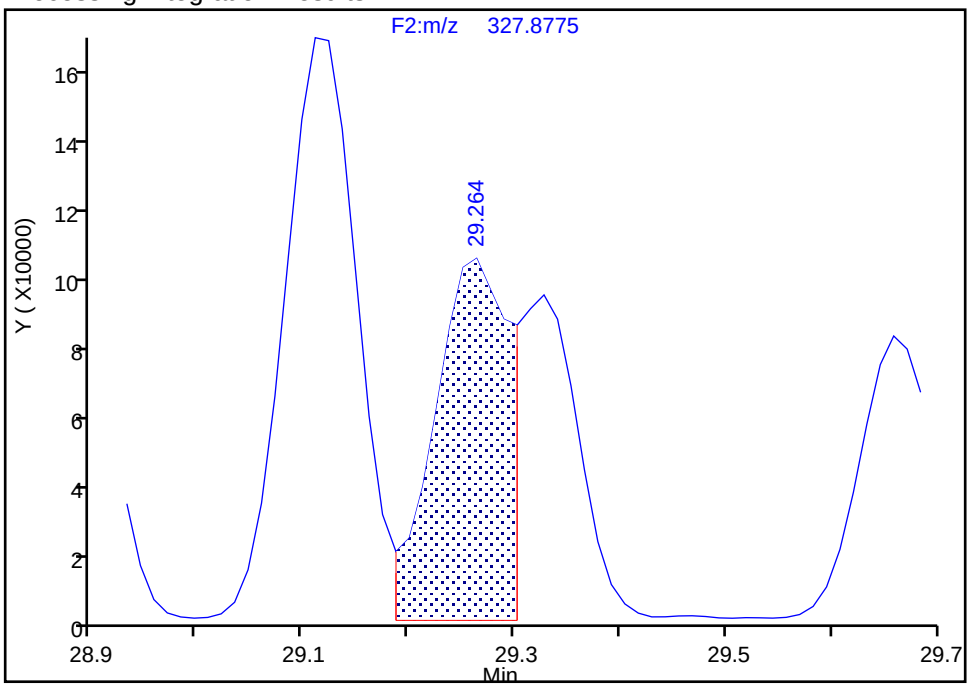
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-98/102, CAS: STL01843

Signal: 2

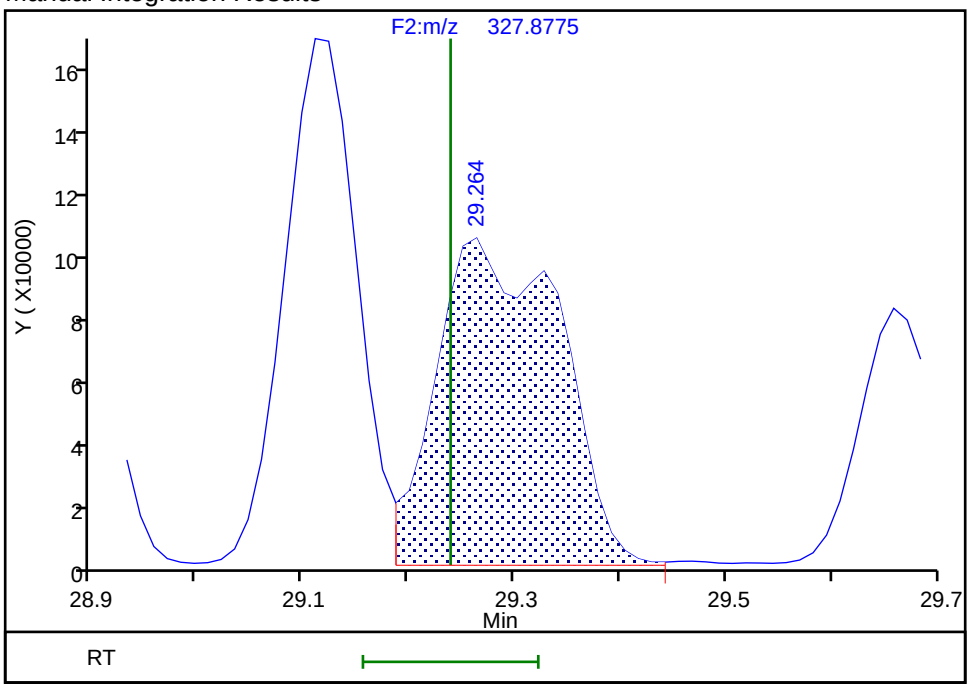
Processing Integration Results

RT: 29.26
Area: 492929
Amount: 56.172544
Amount Units: pg/ul




Manual Integration Results

RT: 29.26
Area: 846064
Amount: 97.193261
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:52:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

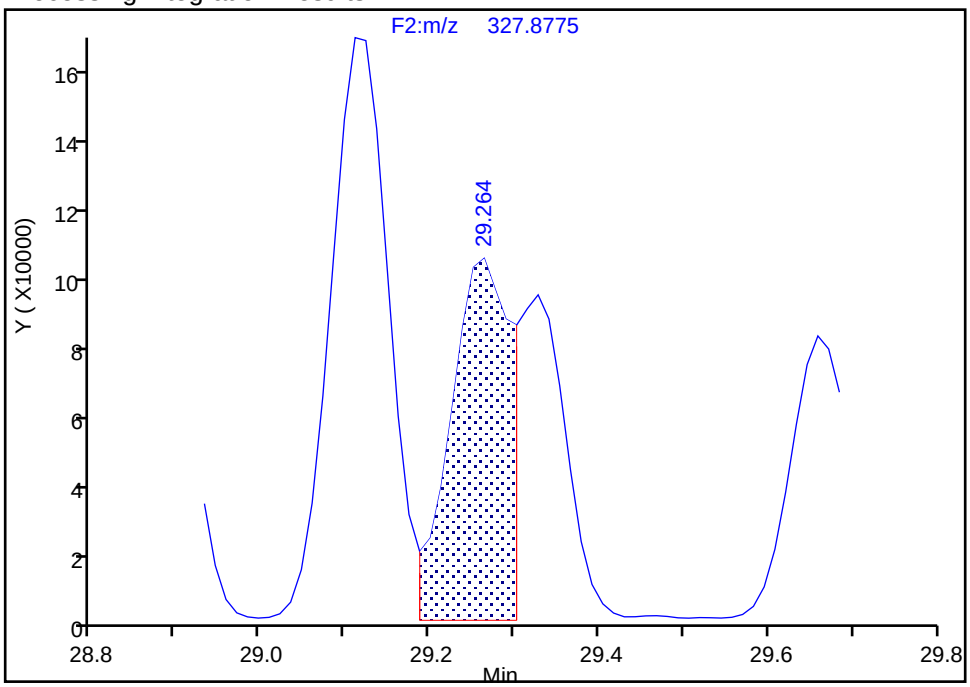
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 3

Processing Integration Results

RT: 29.26
Area: 1267211
Amount: 56.172544
Amount Units: pg/ul




Manual Integration Results

RT: 29.26
Area: 2192608
Amount: 97.193261
Amount Units: pg/ul
Reviewer: davidsonm, 09-Oct-2019 15:52:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

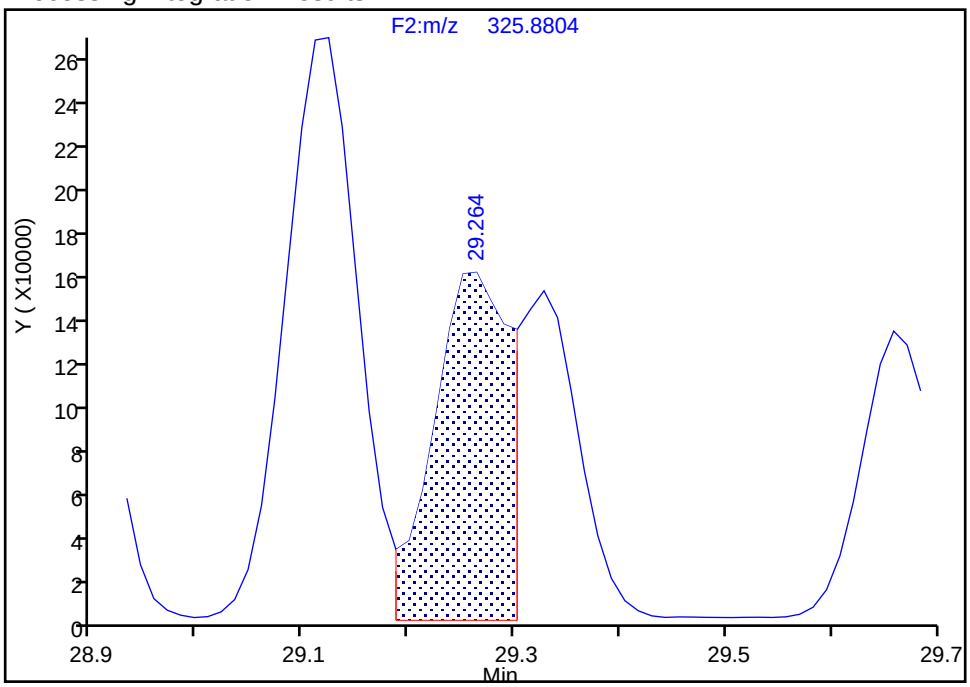
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-98/102, CAS: STL01843

Signal: 1

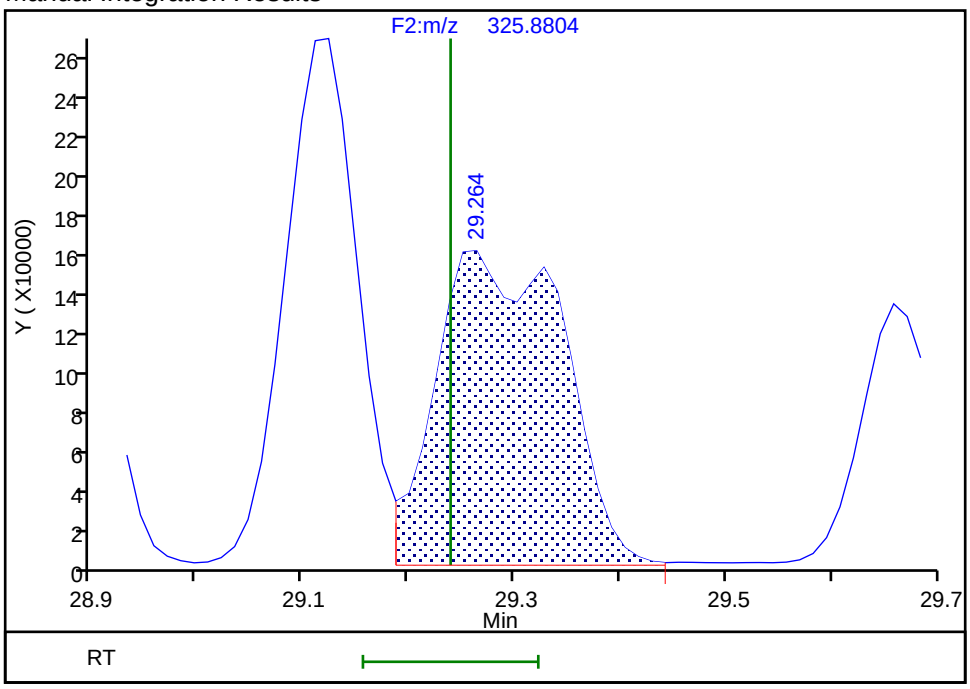
Processing Integration Results

RT: 29.26
Area: 774282
Amount: 56.172544
Amount Units: pg/ul




Manual Integration Results

RT: 29.26
Area: 1346544
Amount: 97.193261
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:52:38
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

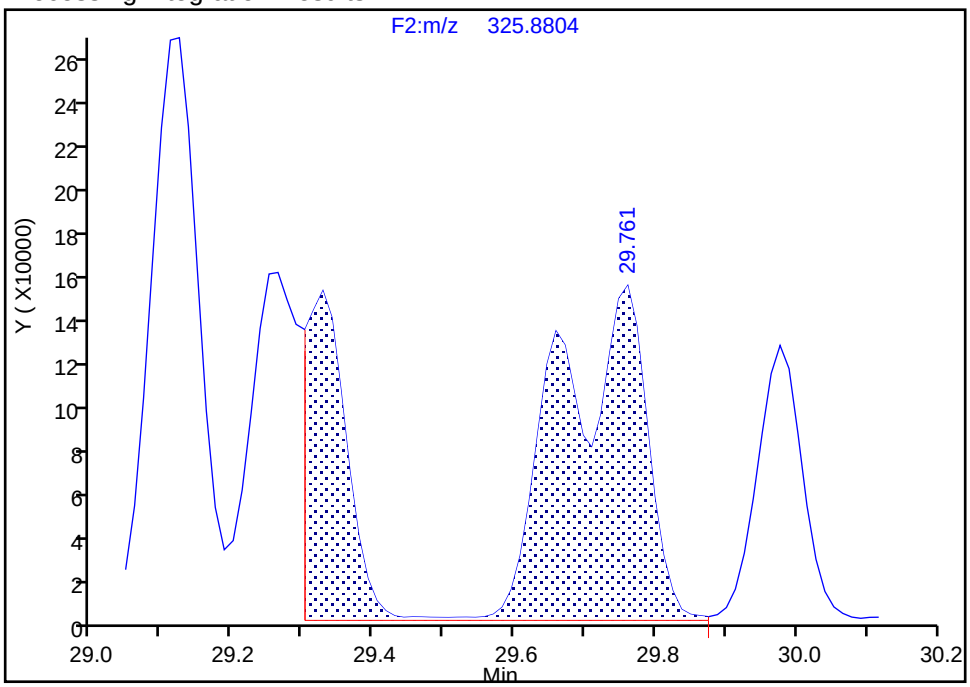
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-88/91, CAS: STL01812

Signal: 1

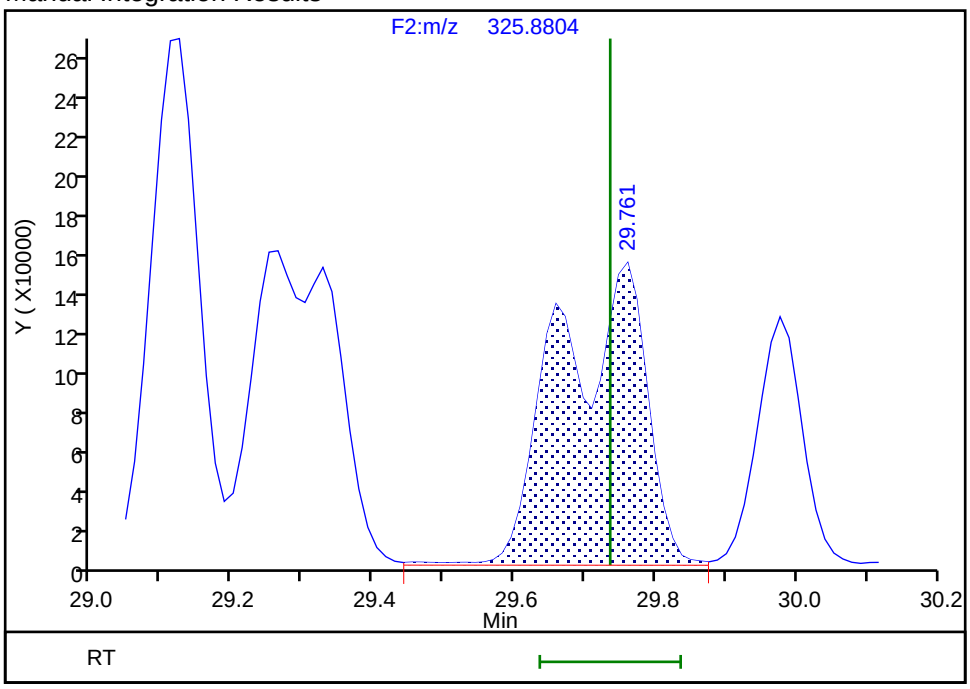
Processing Integration Results

RT: 29.76
Area: 1886198
Amount: 133.6799
Amount Units: pg/ul




Manual Integration Results

RT: 29.76
Area: 1312098
Amount: 93.209517
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:52:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

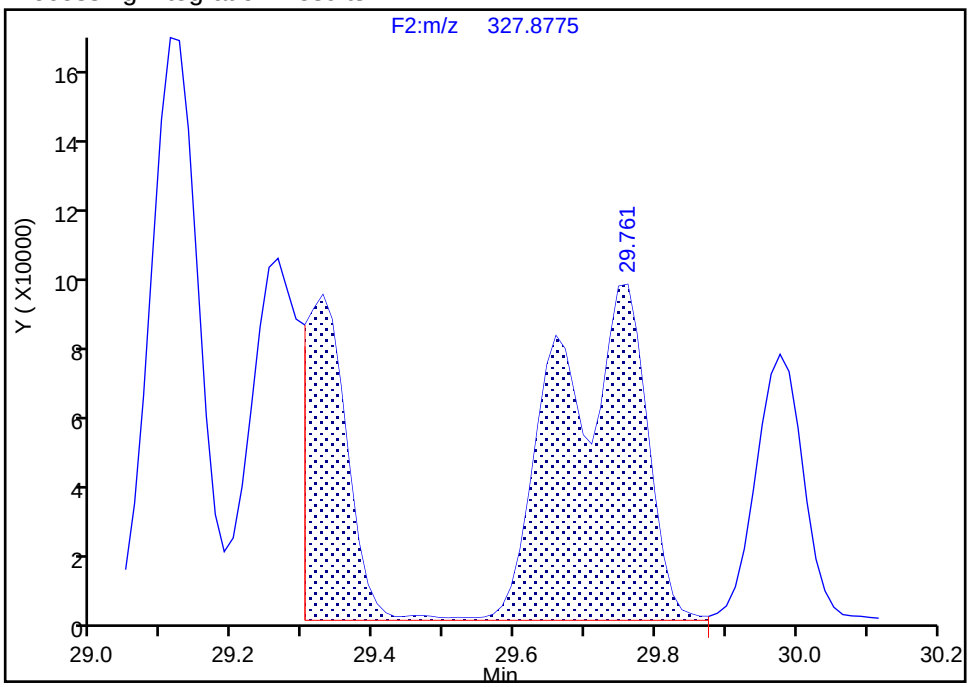
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-88/91, CAS: STL01812

Signal: 2

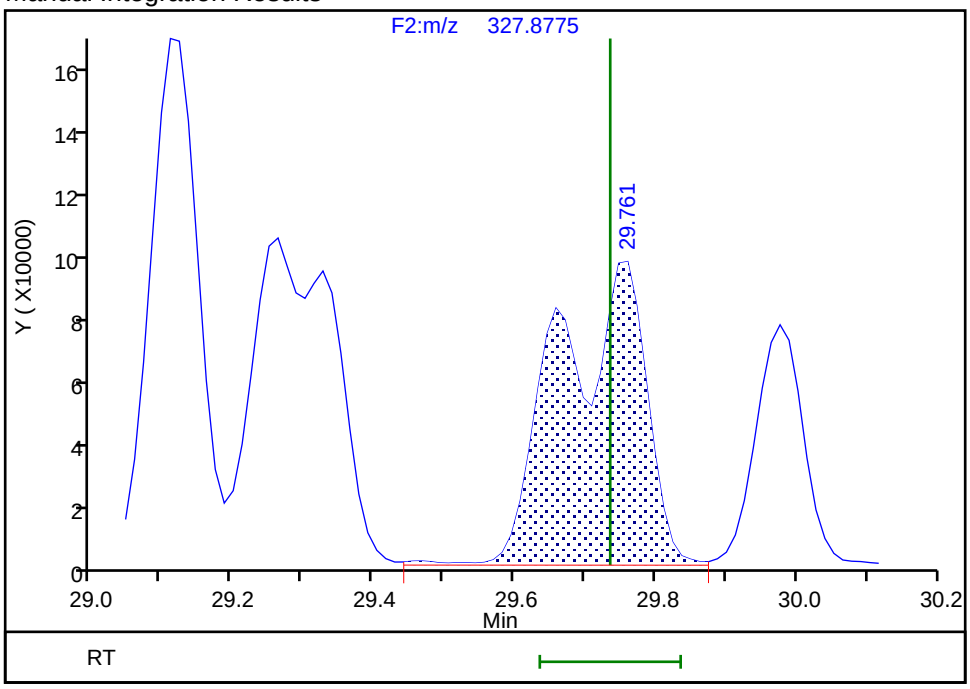
Processing Integration Results

RT: 29.76
Area: 1179592
Amount: 133.6799
Amount Units: pg/ul




Manual Integration Results

RT: 29.76
Area: 825552
Amount: 93.209517
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:52:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

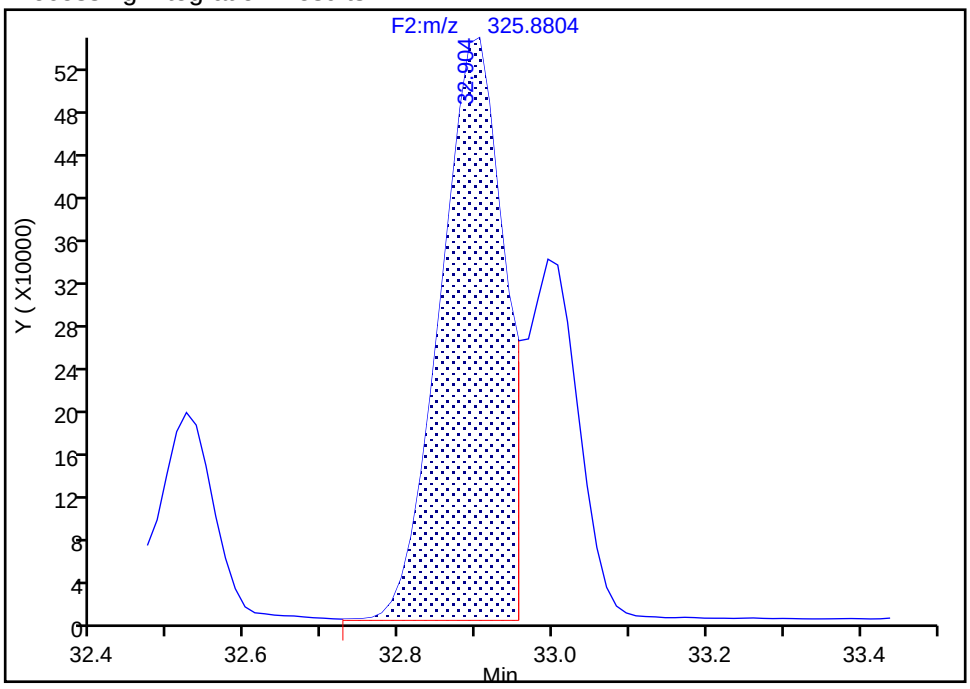
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 1

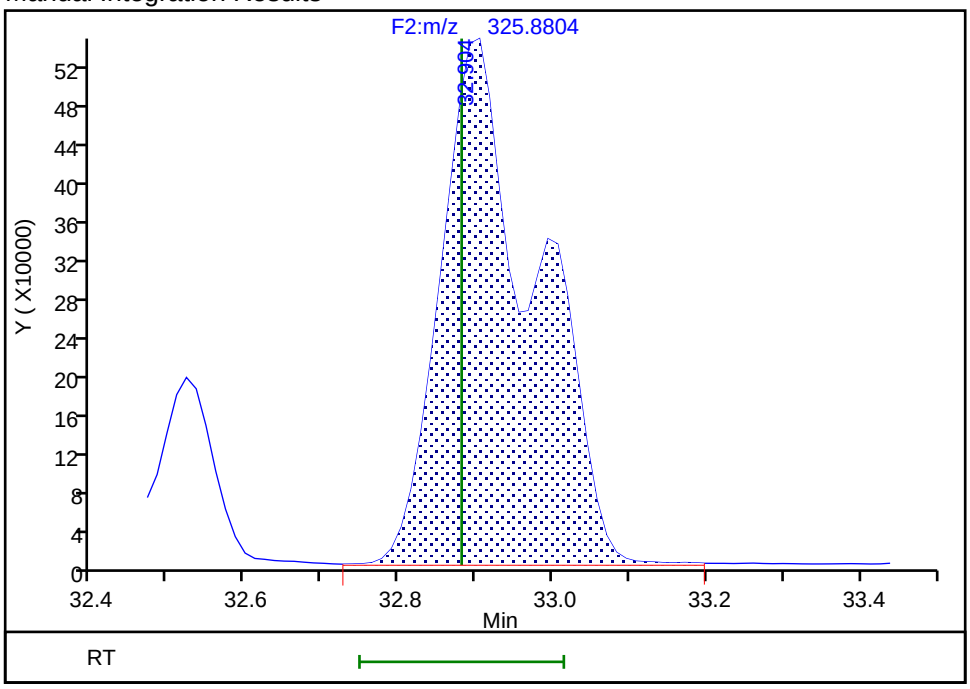
Processing Integration Results

RT: 32.90
Area: 3098989
Amount: 190.7562
Amount Units: pg/ul




Manual Integration Results

RT: 32.90
Area: 4710150
Amount: 281.8970
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:52:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

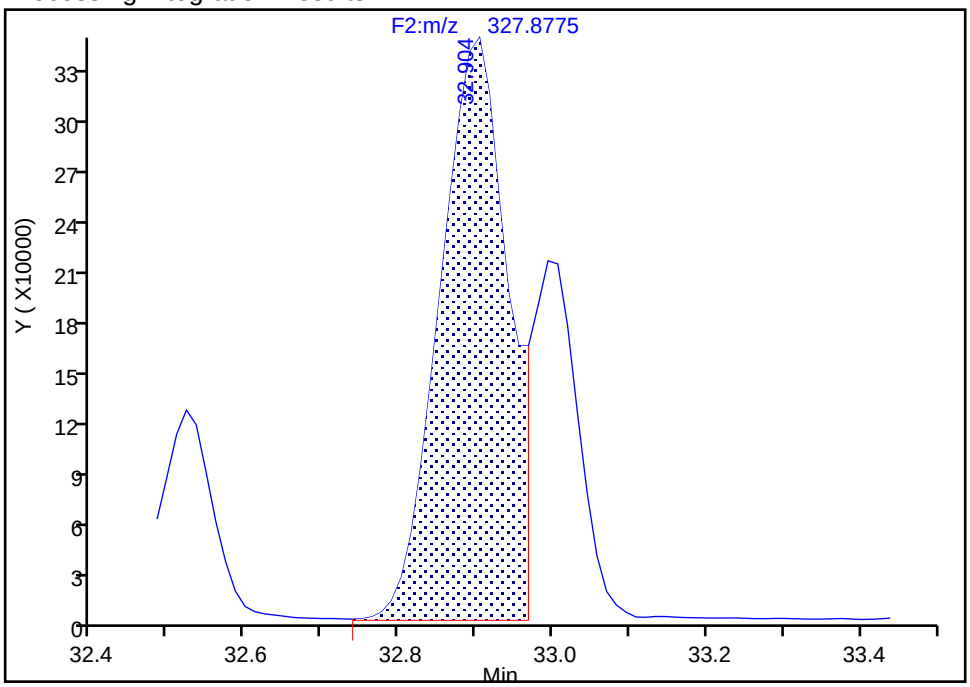
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-86/87/97/109/119/125, CAS: STL02295

Signal: 2

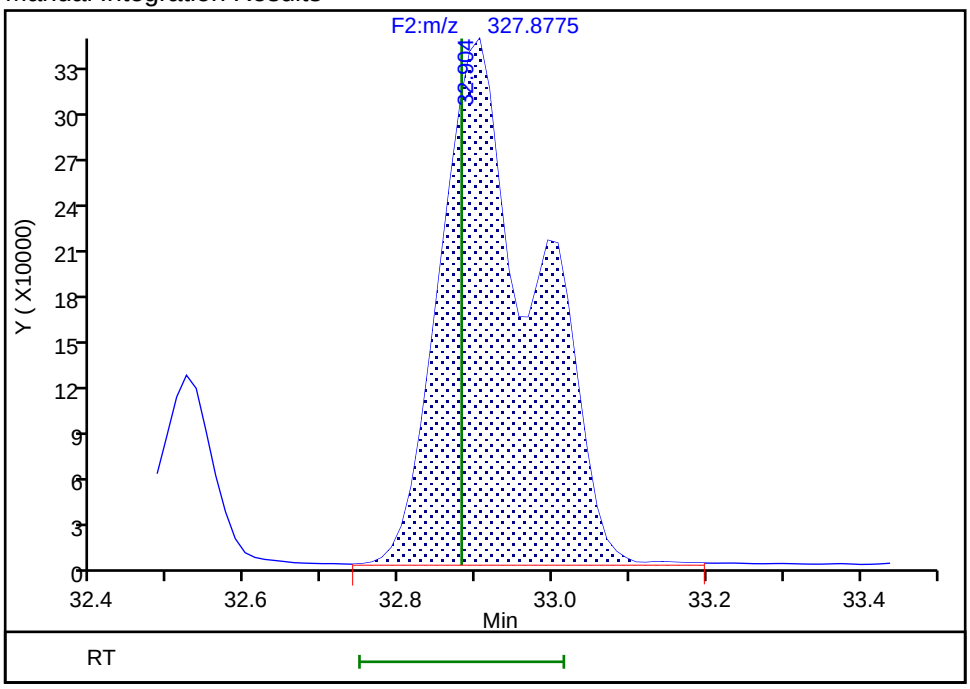
Processing Integration Results

RT: 32.90
Area: 2105036
Amount: 190.7562
Amount Units: pg/ul




Manual Integration Results

RT: 32.90
Area: 2980291
Amount: 281.8970
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:53:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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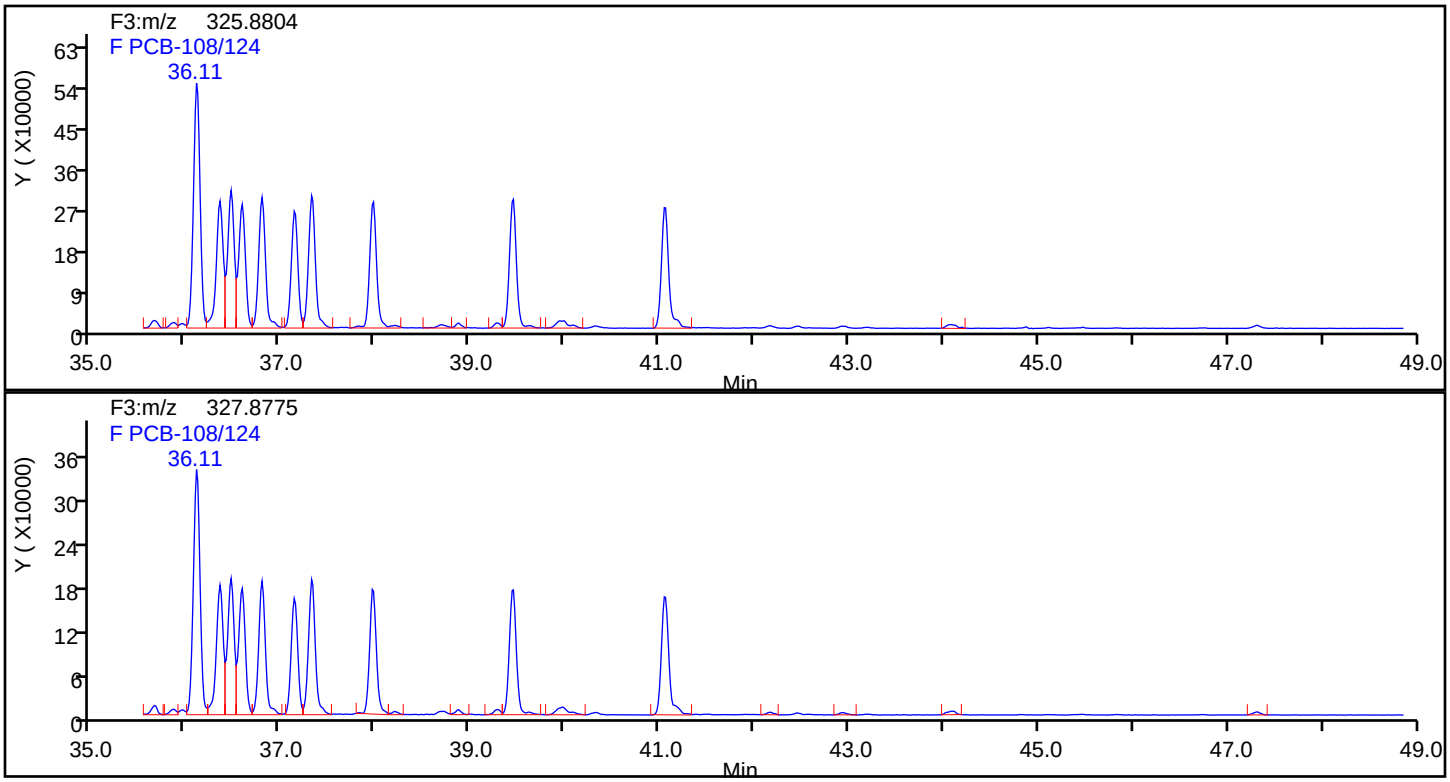
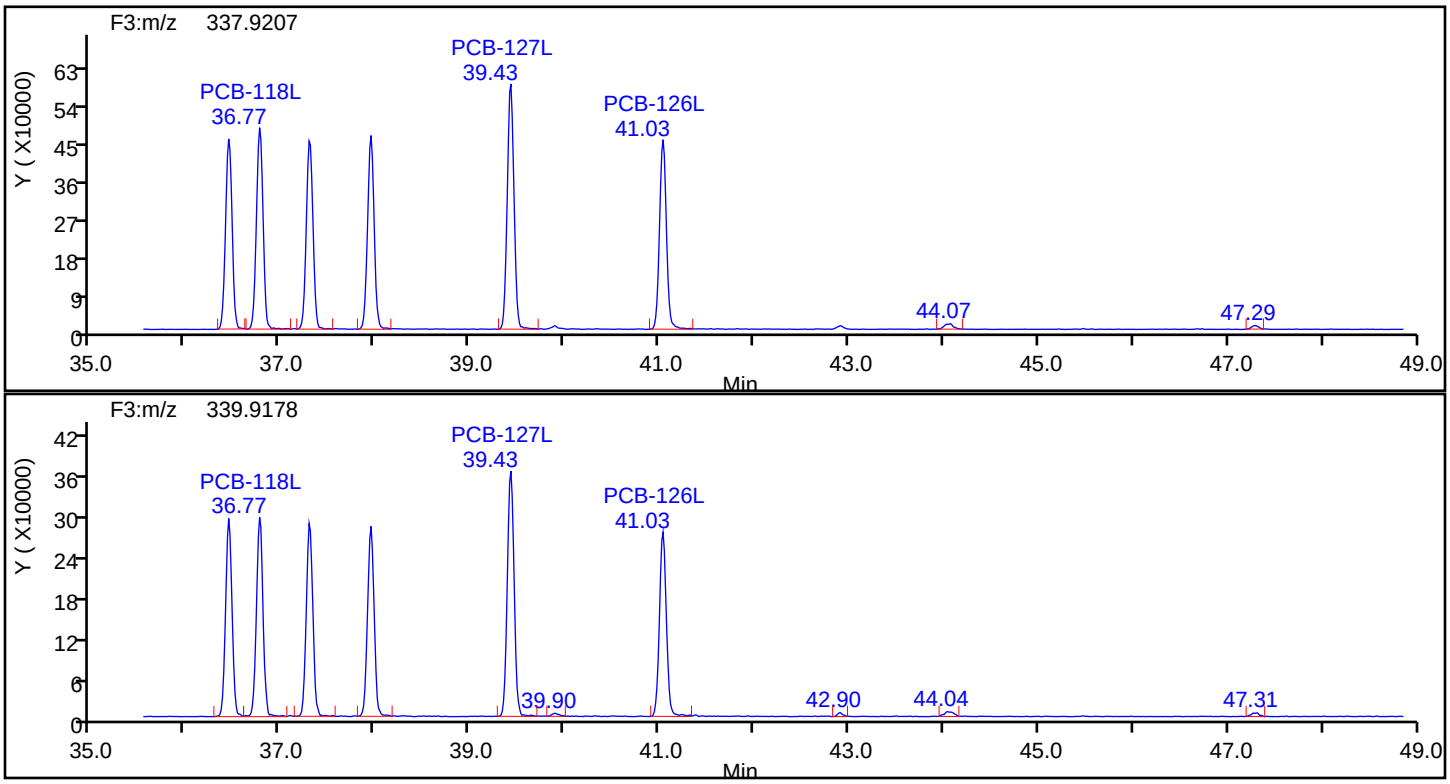
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



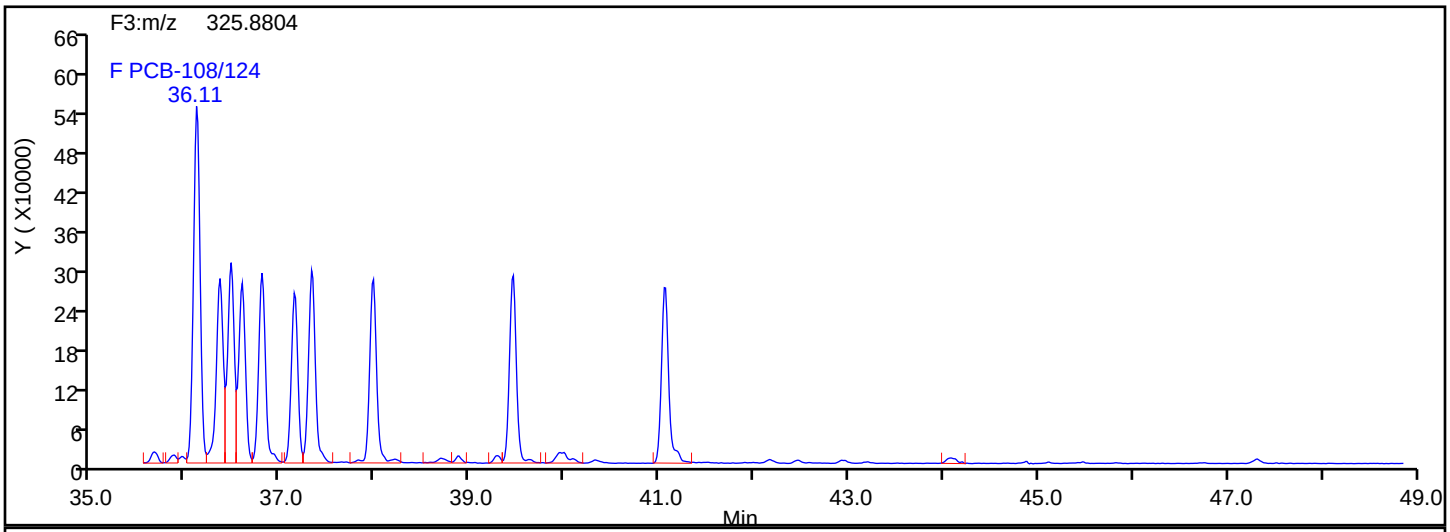

PePCB F3 Standards

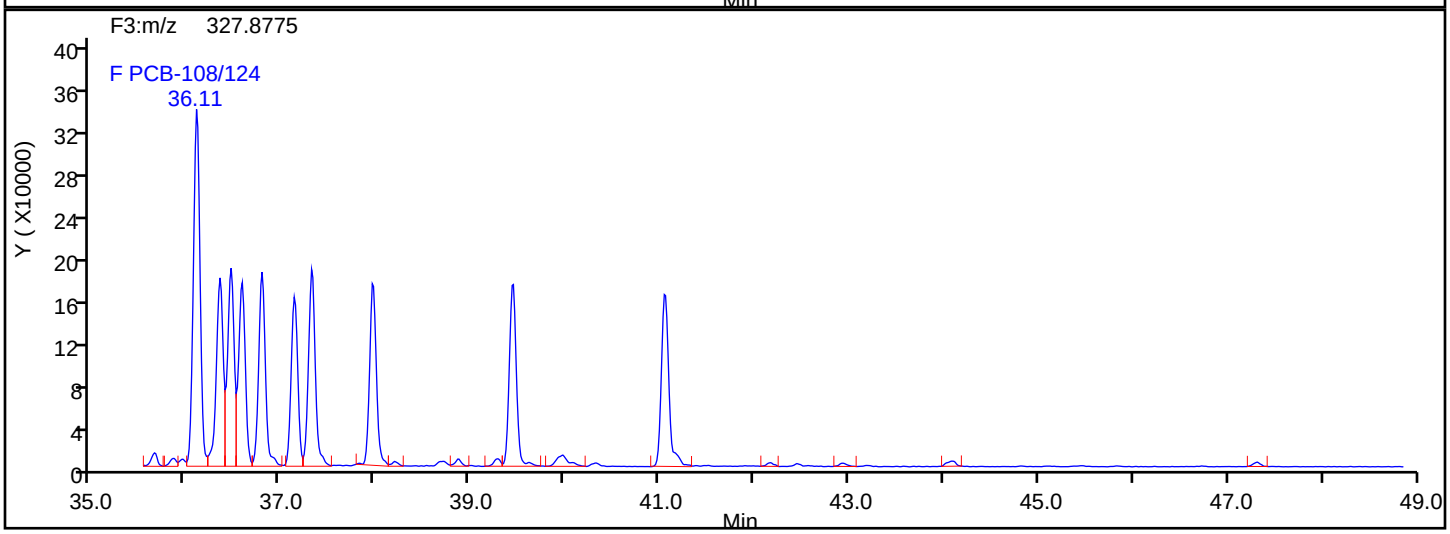


Eurofins TestAmerica, Knoxville

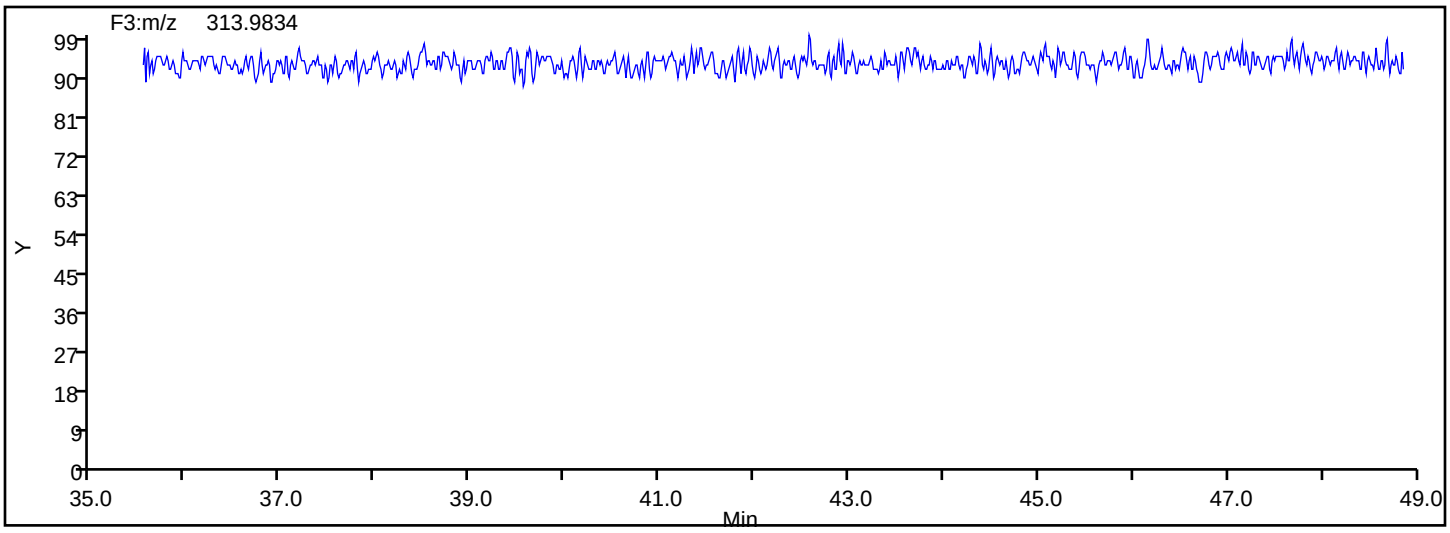
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

PePCB F3



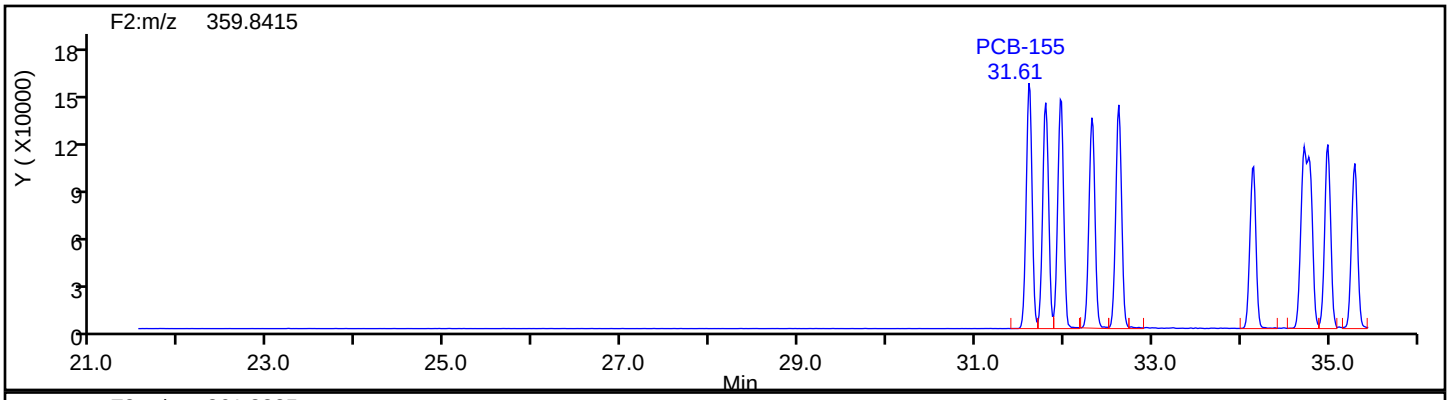

PePCB F3 Lock Mass

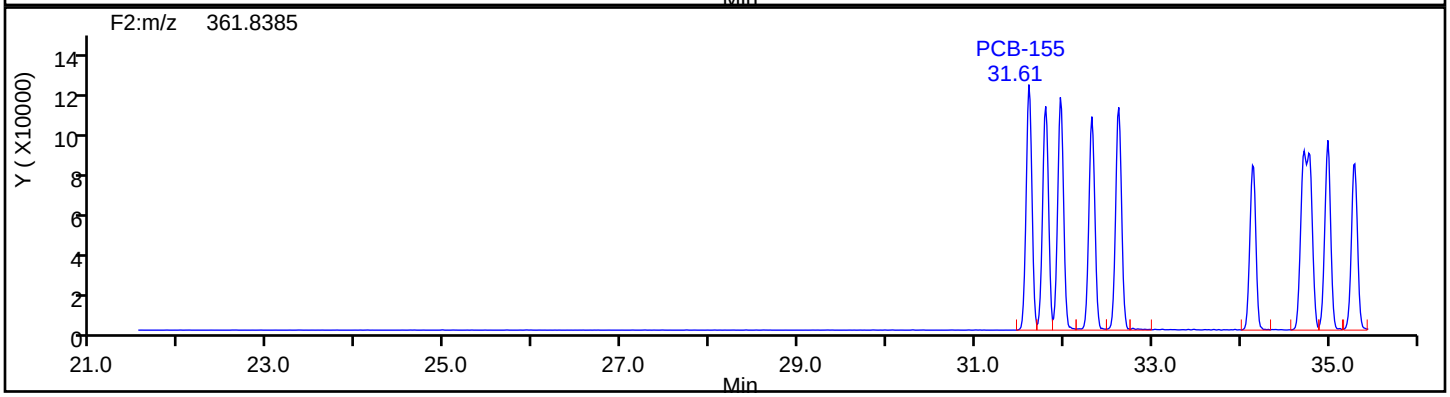


Eurofins TestAmerica, Knoxville

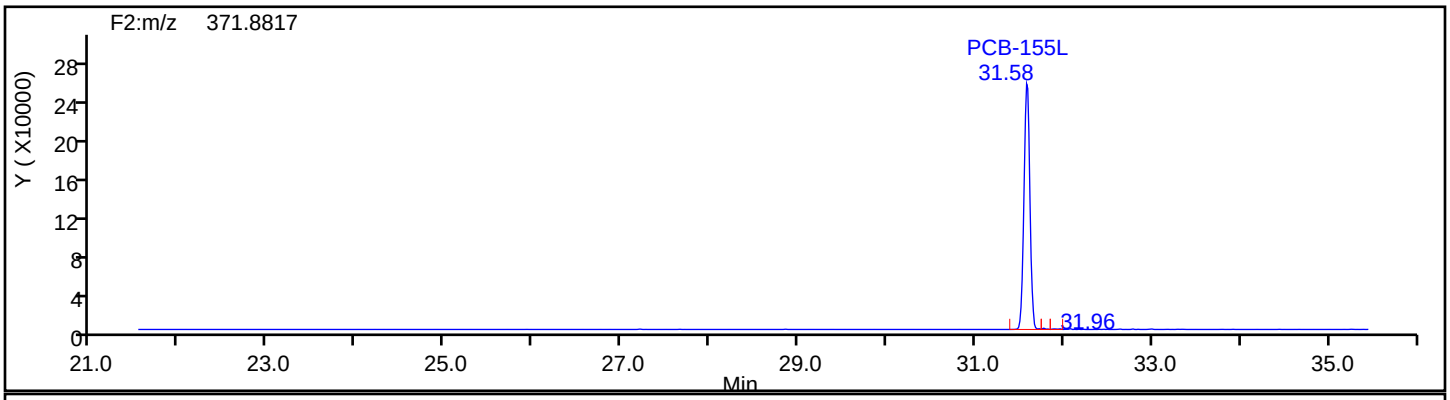
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

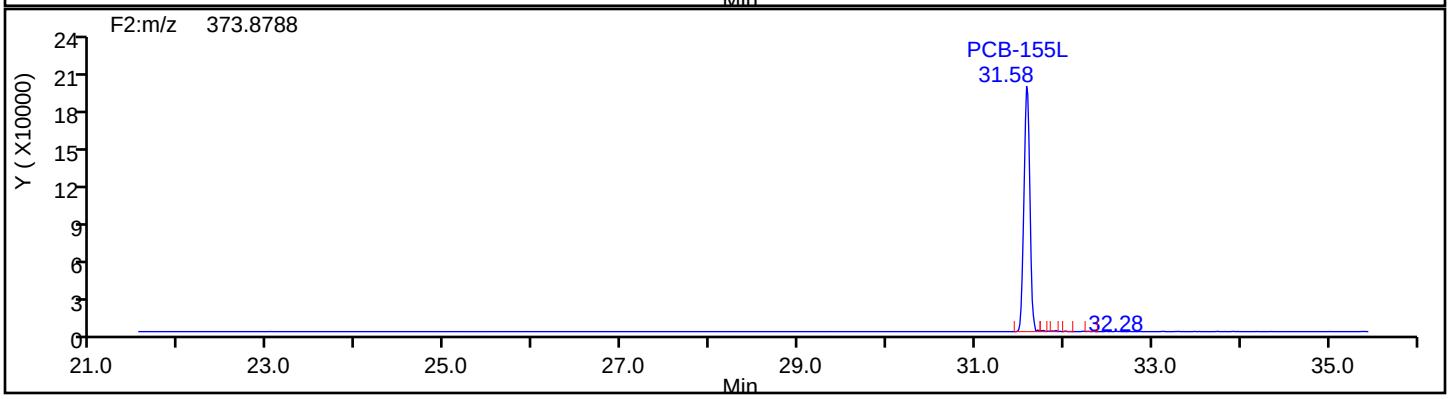
HxPCB F2




HxPCB F2 Standards

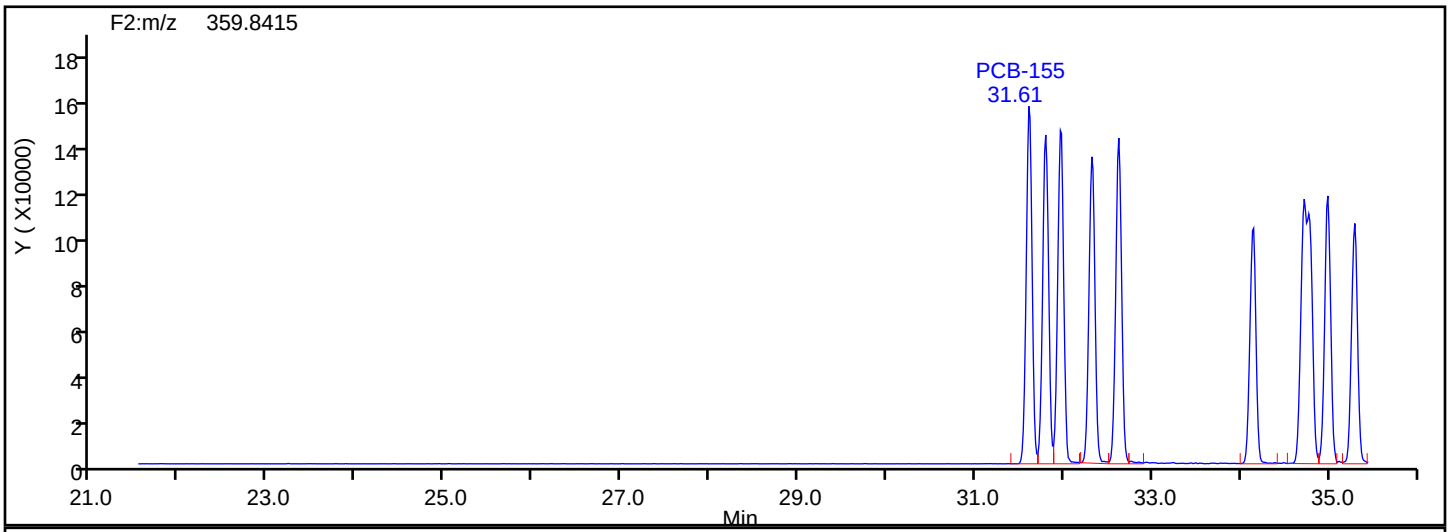


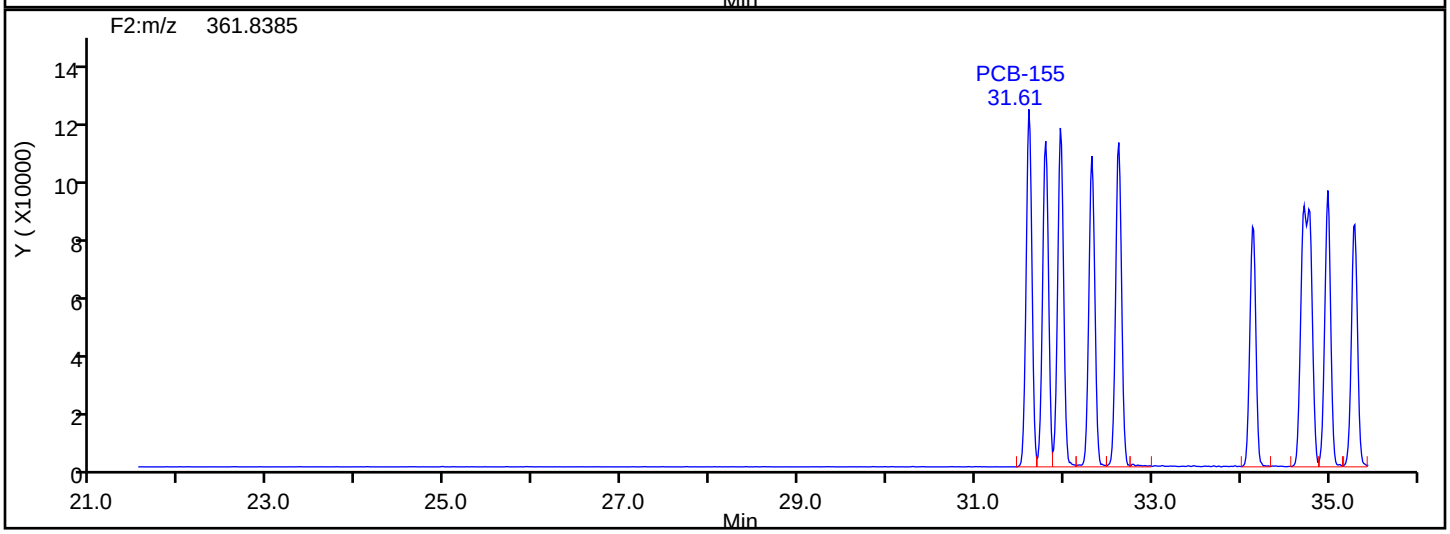



Eurofins TestAmerica, Knoxville

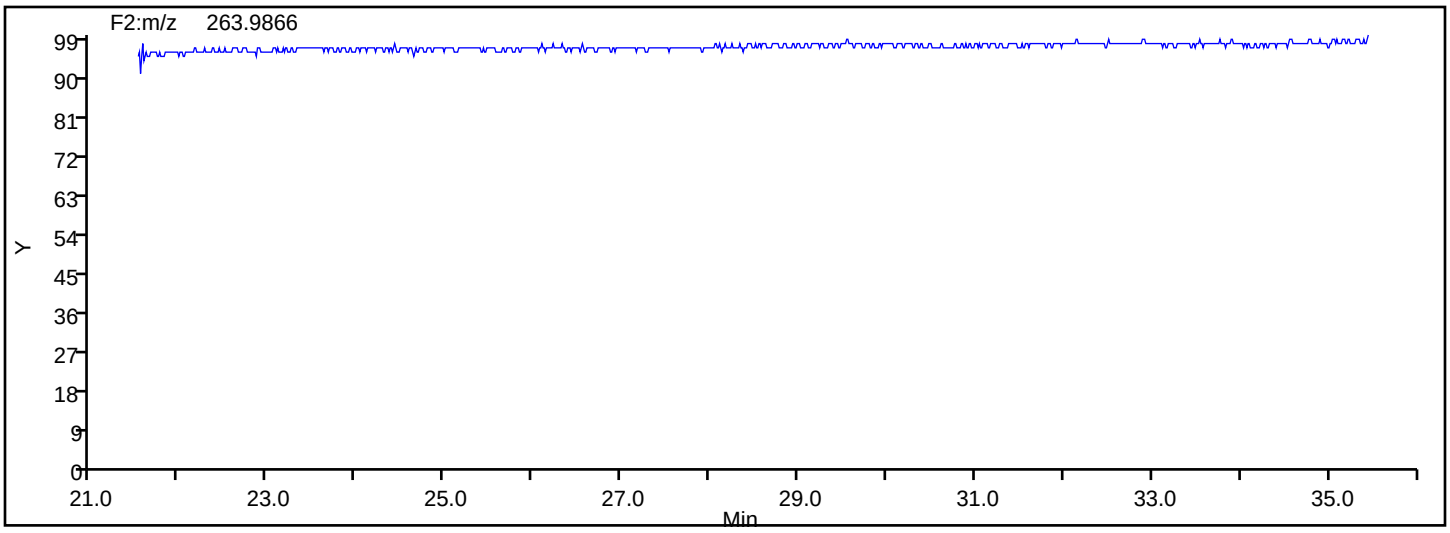
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F2




HxPCB F2 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

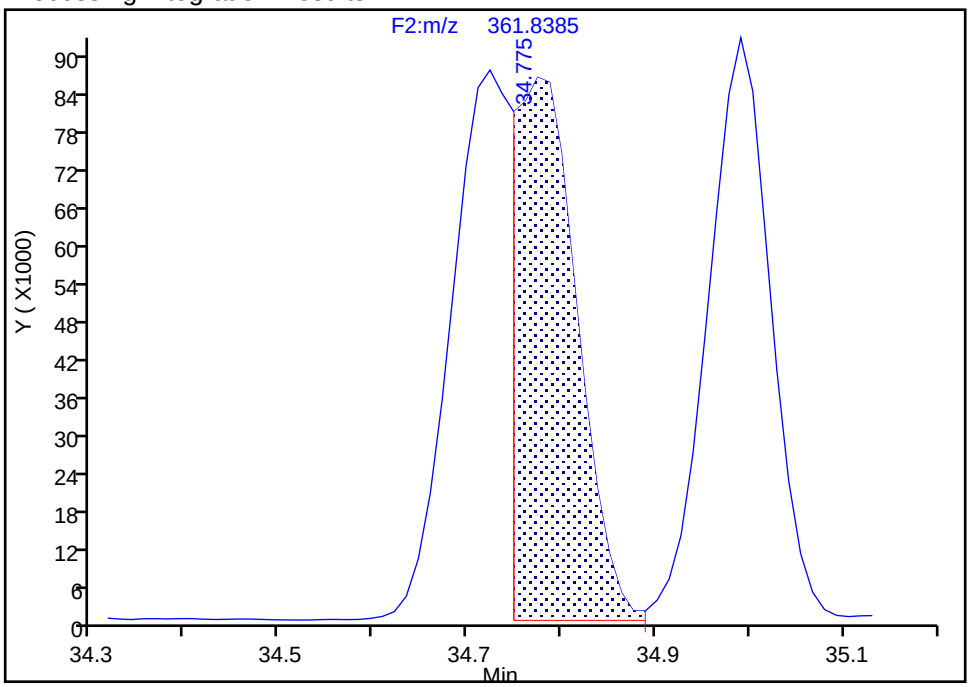
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F2(21.81 :35.54 ) | | |

## PCB-135/151, CAS: STL01819

Signal: 2

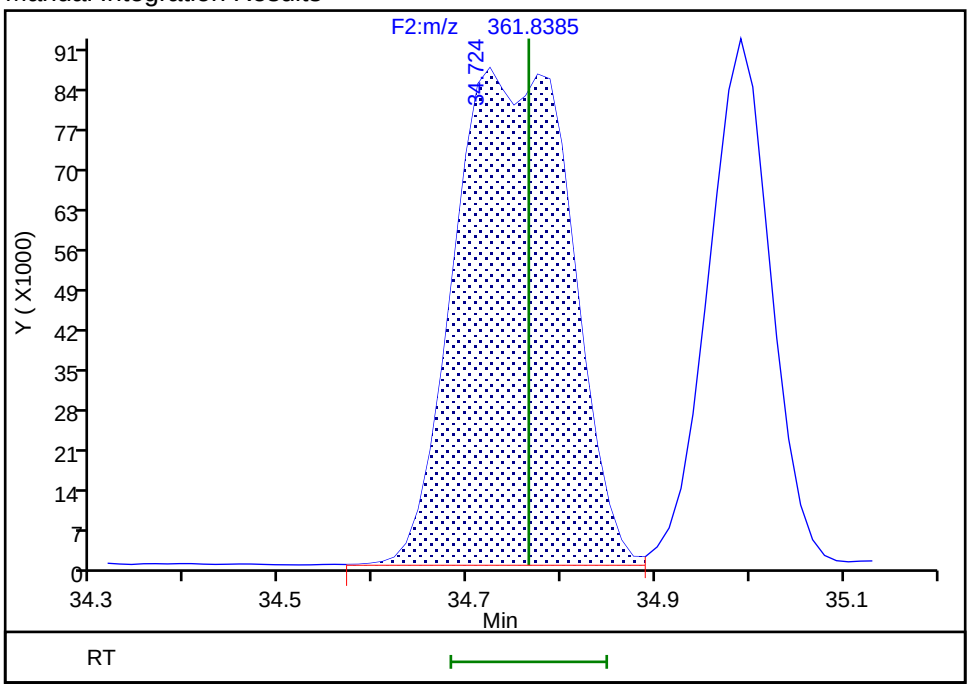
Processing Integration Results

RT: 34.77
Area: 377800
Amount: 46.787825
Amount Units: pg/ul




Manual Integration Results

RT: 34.72
Area: 752437
Amount: 93.091286
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:53:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

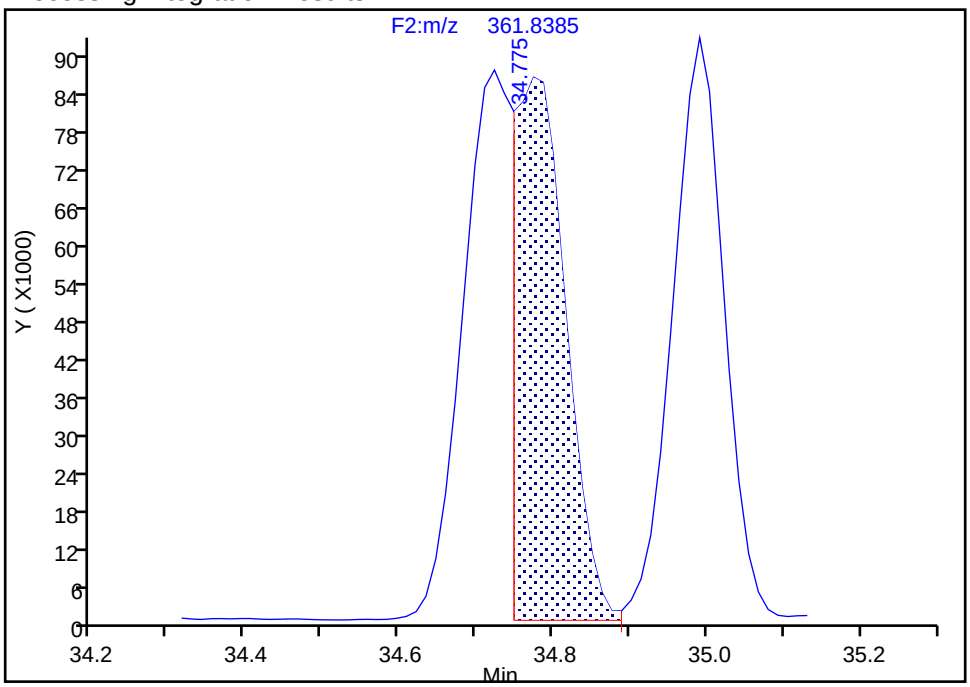
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 3

Processing Integration Results

RT: 34.77
Area: 856133
Amount: 46.787825
Amount Units: pg/ul




Manual Integration Results

RT: 34.72
Area: 1703403
Amount: 93.091286
Amount Units: pg/ul
Reviewer: davidsonm, 09-Oct-2019 15:53:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

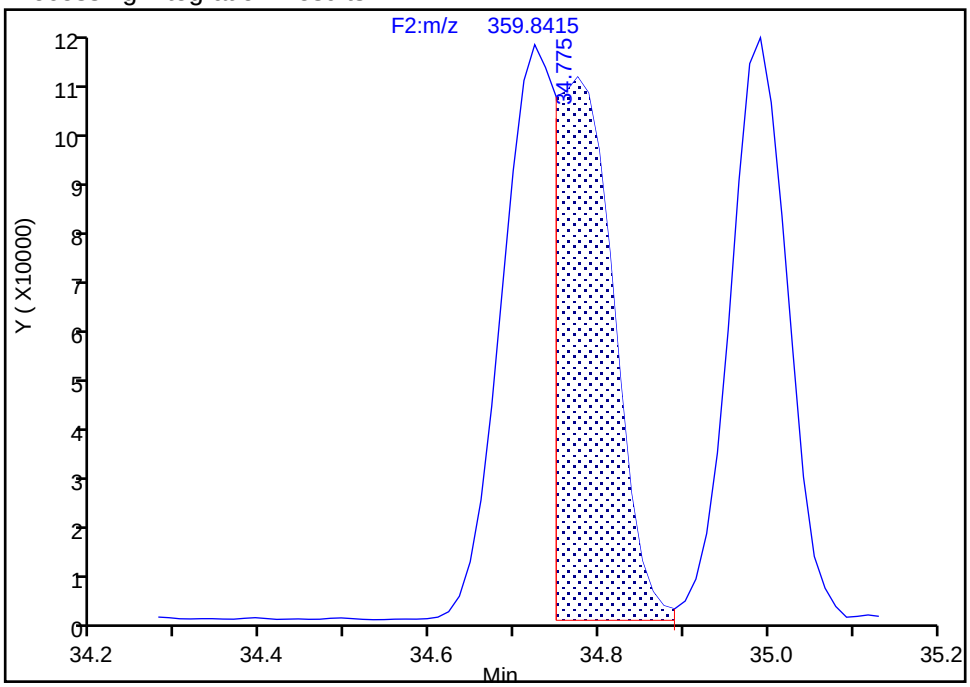
Data File: \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d
Injection Date: 09-Oct-2019 14:41:00 Instrument ID: D3D
Lims ID: LCS 140-34150/13-B
Client ID:
Operator ID: Xcalibur_System ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PCBs_D3D Limit Group: HR - 1668A - ICAL
Column: SPB-Octyl ( 0.25 mm) Detector F2(21.81 :35.54 )

## PCB-135/151, CAS: STL01819

Signal: 1

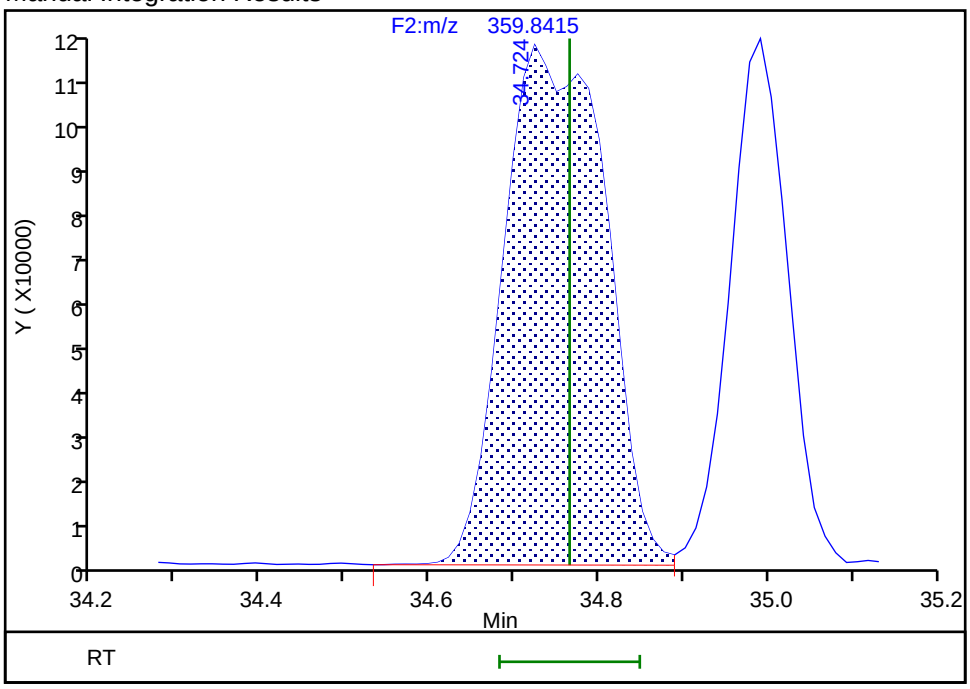
Processing Integration Results

RT: 34.77
Area: 478333
Amount: 46.787825
Amount Units: pg/ul




Manual Integration Results

RT: 34.72
Area: 950966
Amount: 93.091286
Amount Units: pg/ul

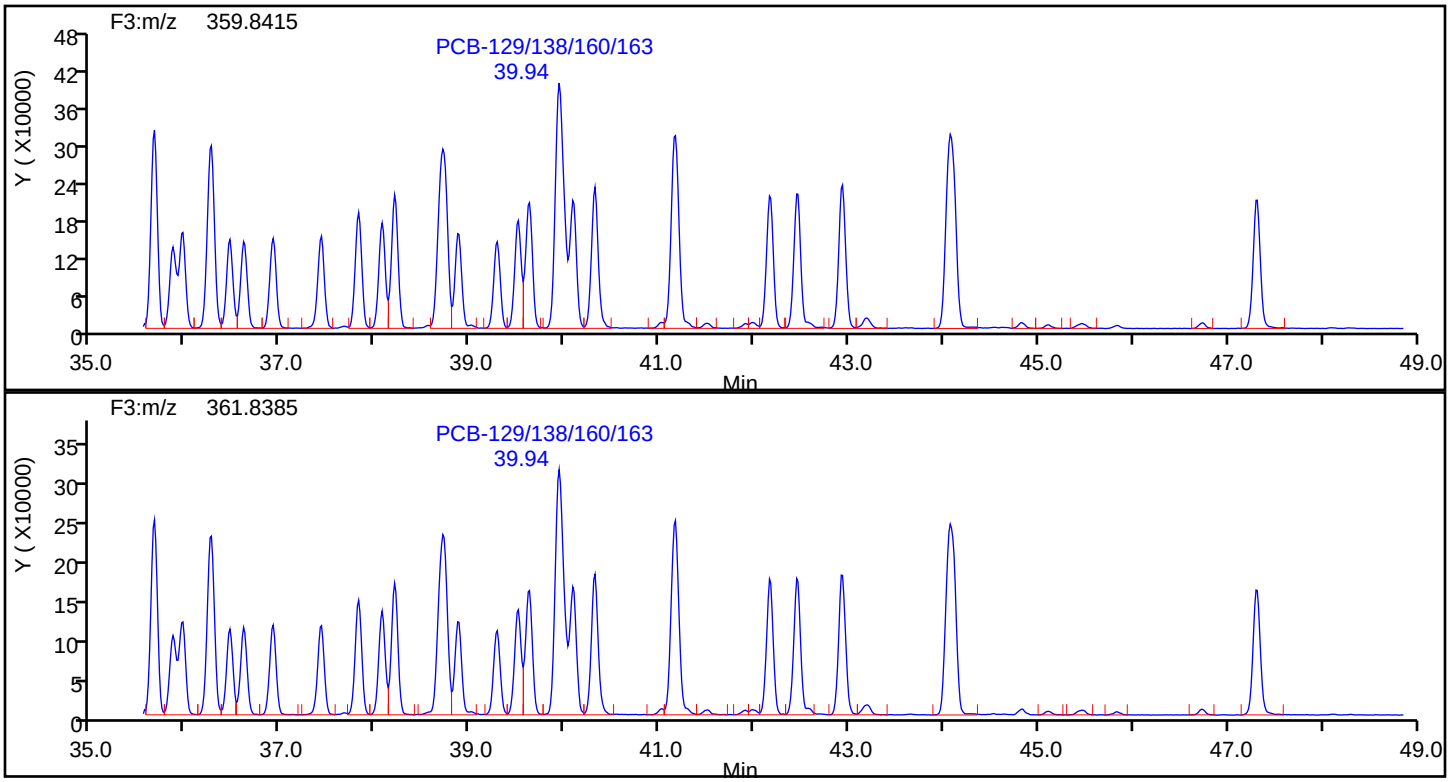



Reviewer: davidsonm, 09-Oct-2019 15:53:53
Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

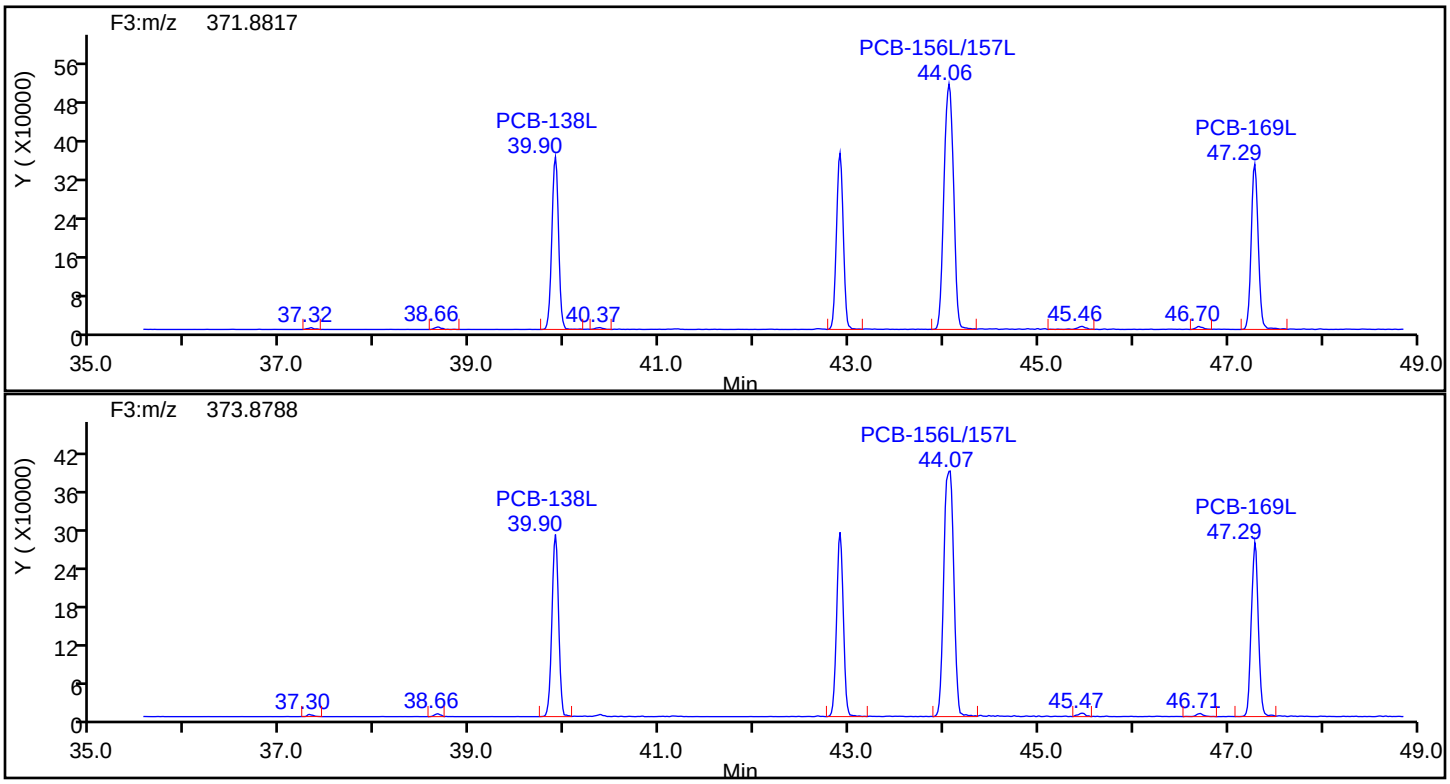
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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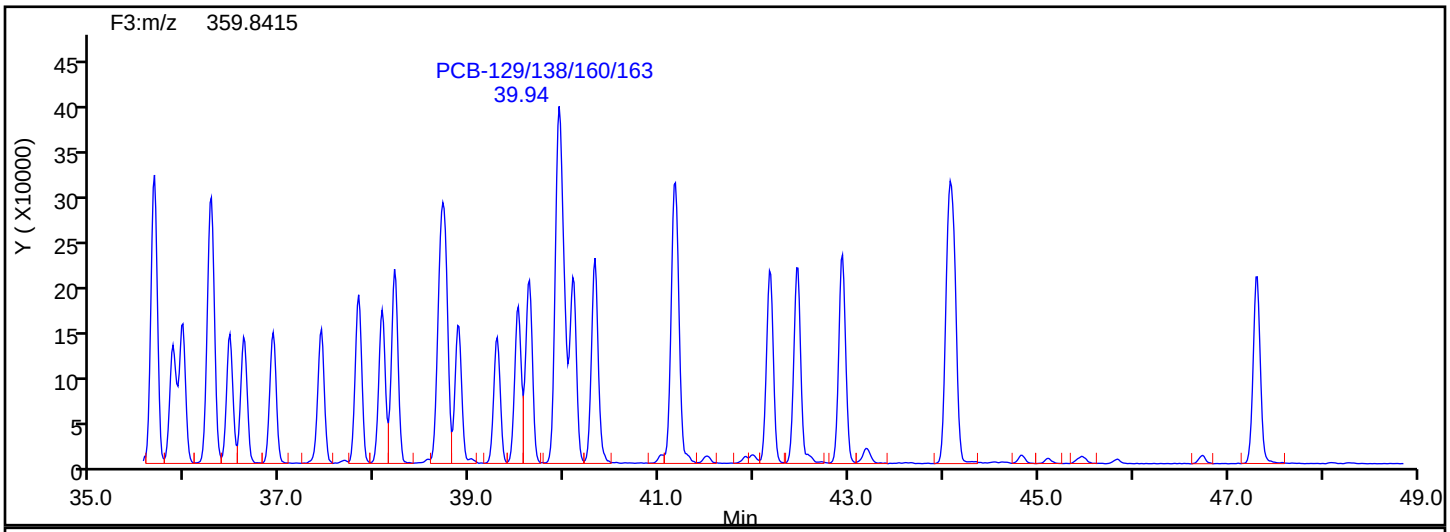
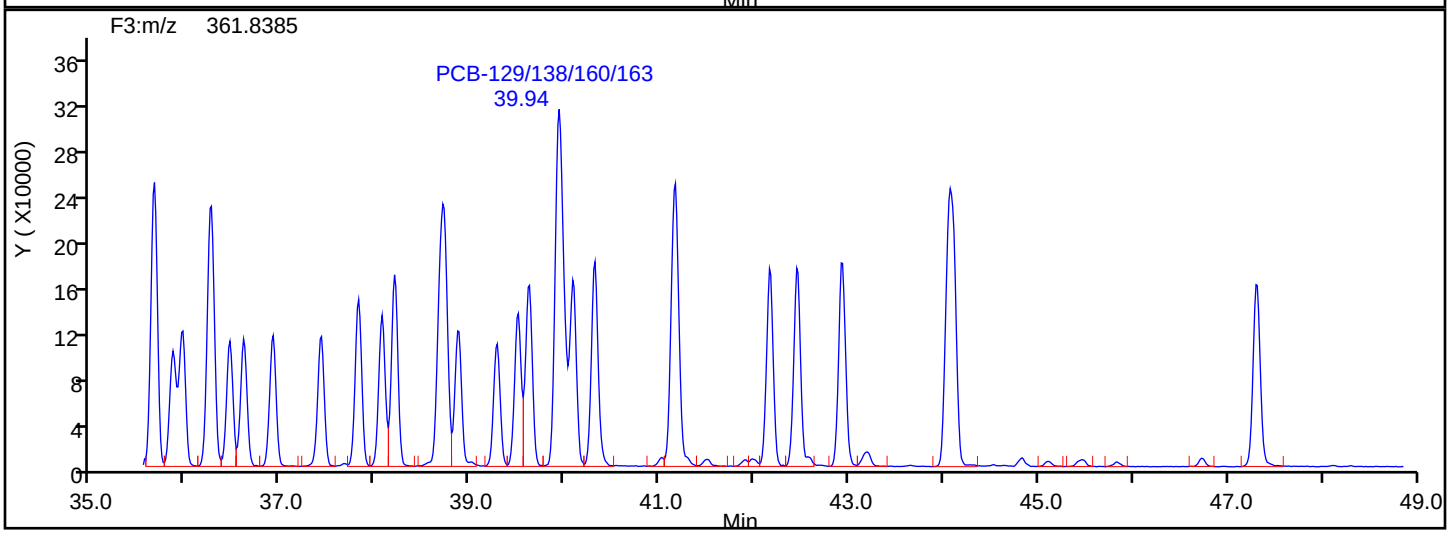
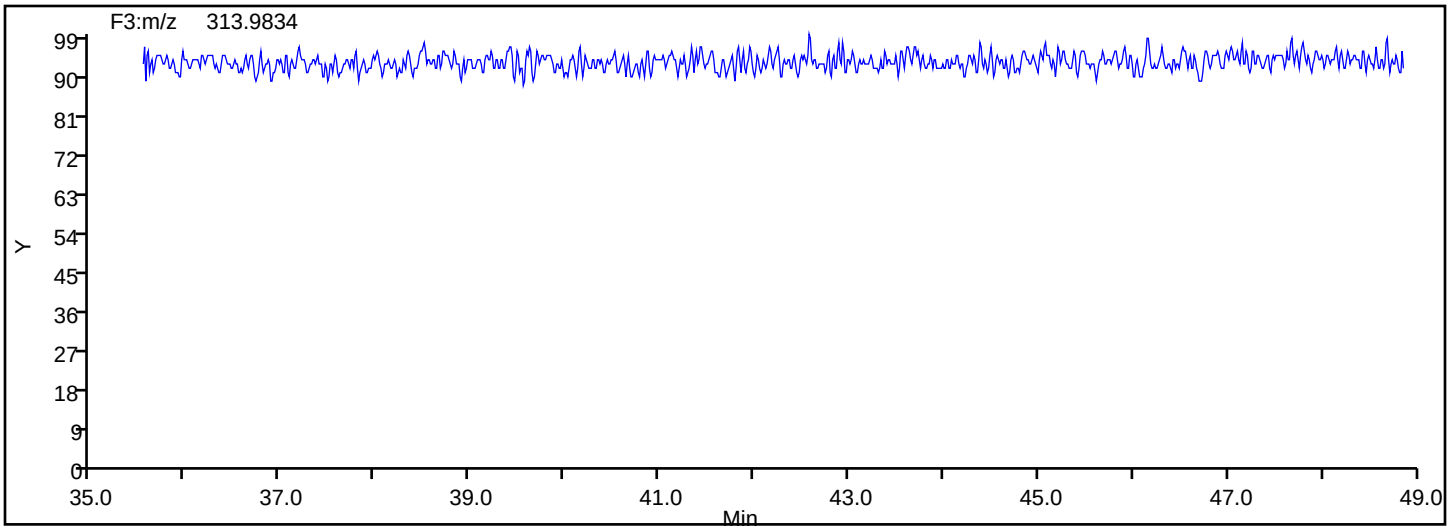
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HxPCB F3




HxPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

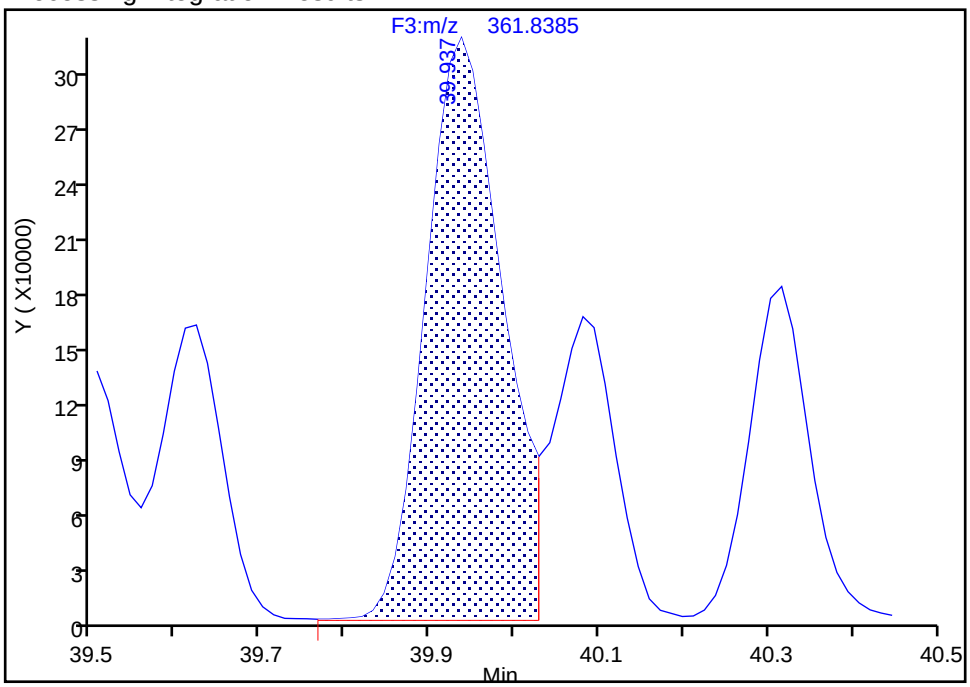
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 2

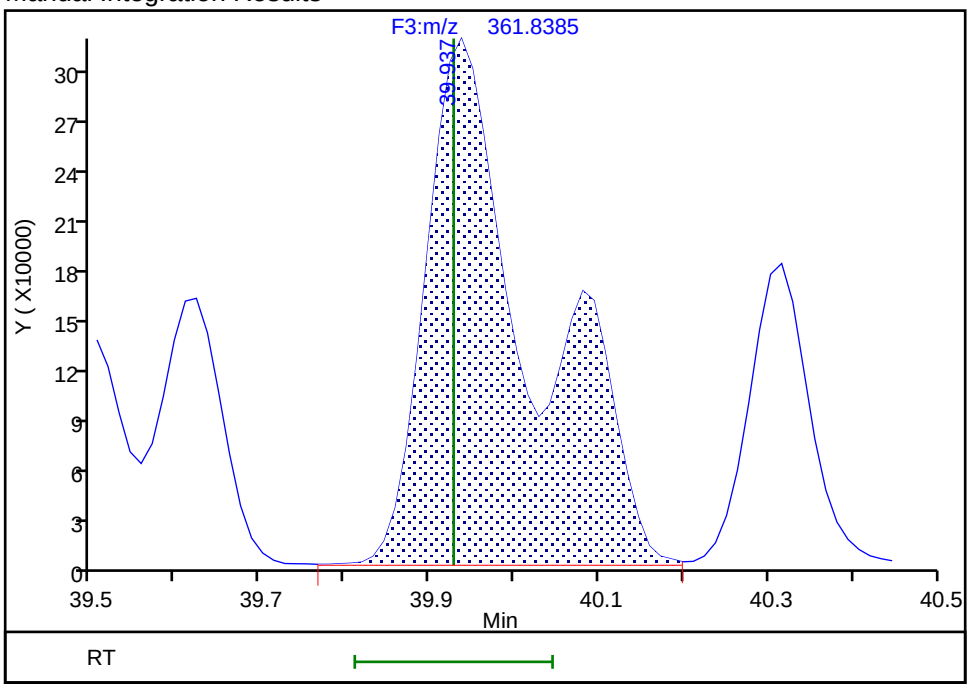
Processing Integration Results

RT: 39.94
Area: 1977822
Amount: 126.6871
Amount Units: pg/ul




Manual Integration Results

RT: 39.94
Area: 2802048
Amount: 179.4848
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:54:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

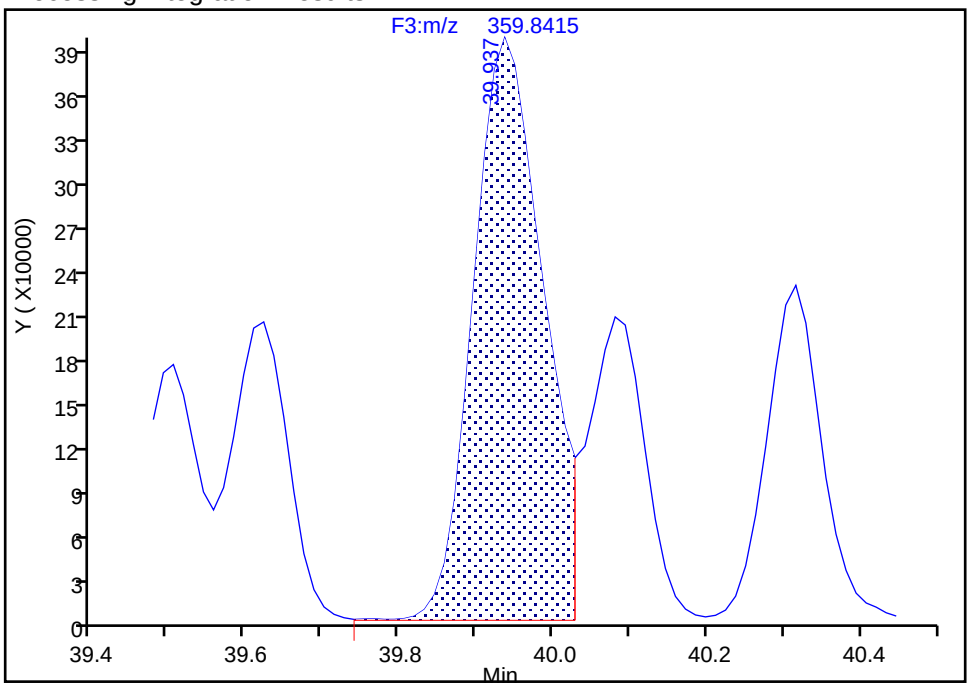
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-129/138/160/163, CAS: STL02296

Signal: 1

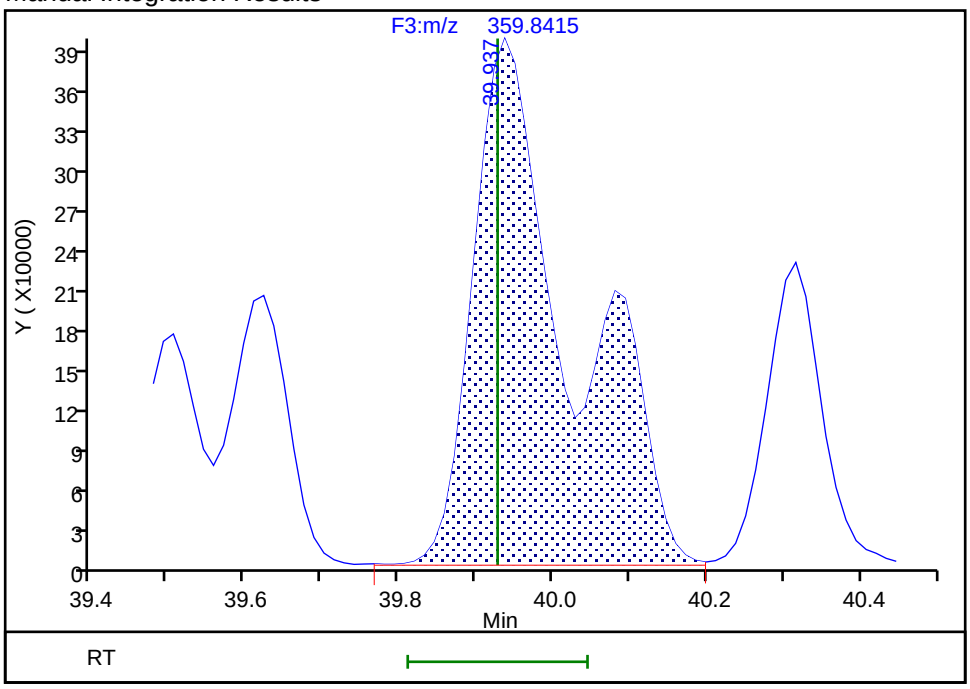
Processing Integration Results

RT: 39.94
Area: 2478298
Amount: 126.6871
Amount Units: pg/ul




Manual Integration Results

RT: 39.94
Area: 3511193
Amount: 179.4848
Amount Units: pg/ul



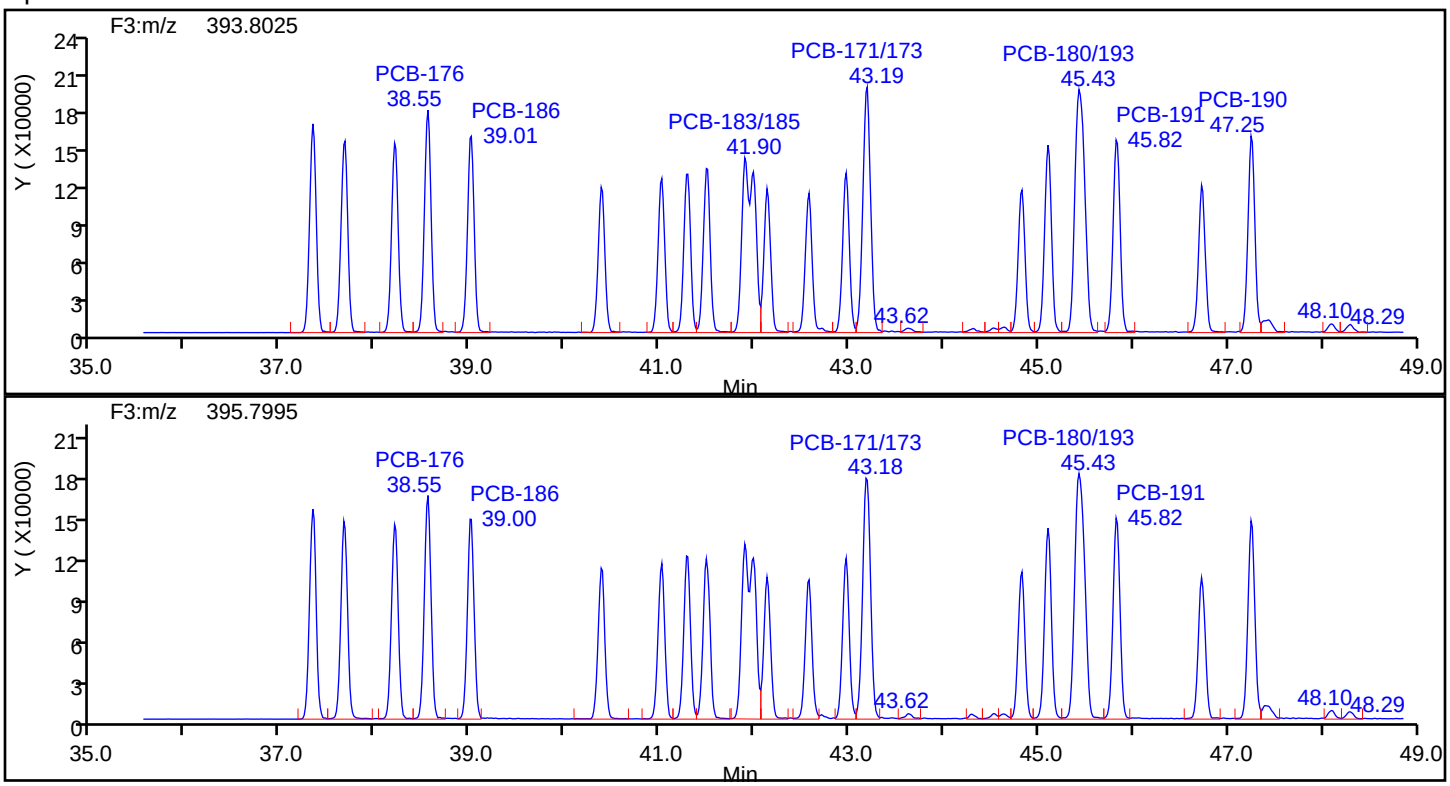

Reviewer: davidsonm, 09-Oct-2019 15:54:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

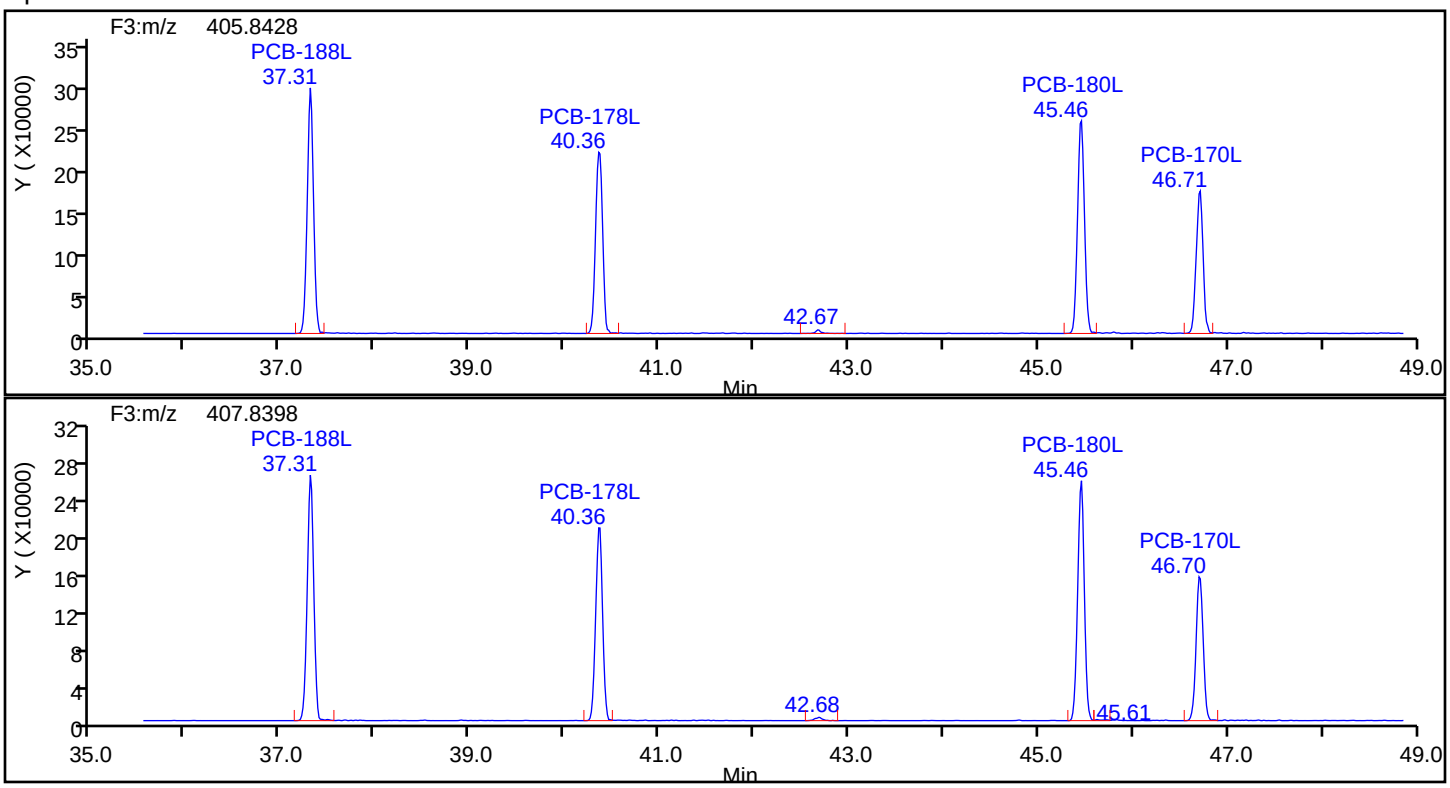
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3



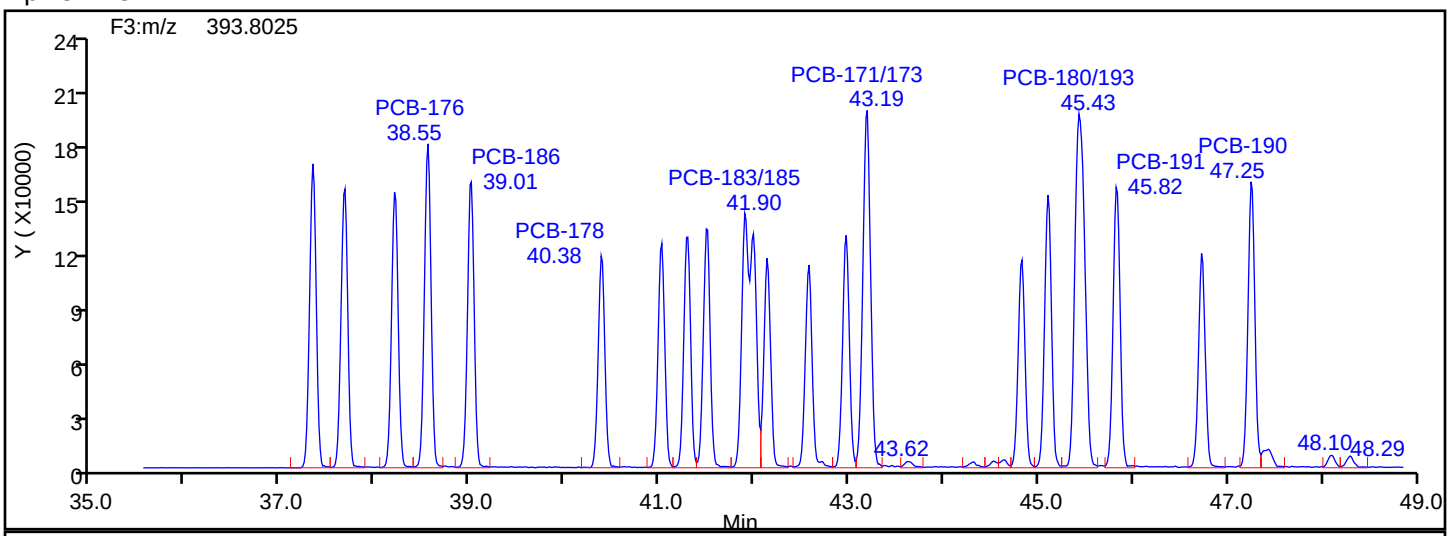

HpPCB F3 Standards

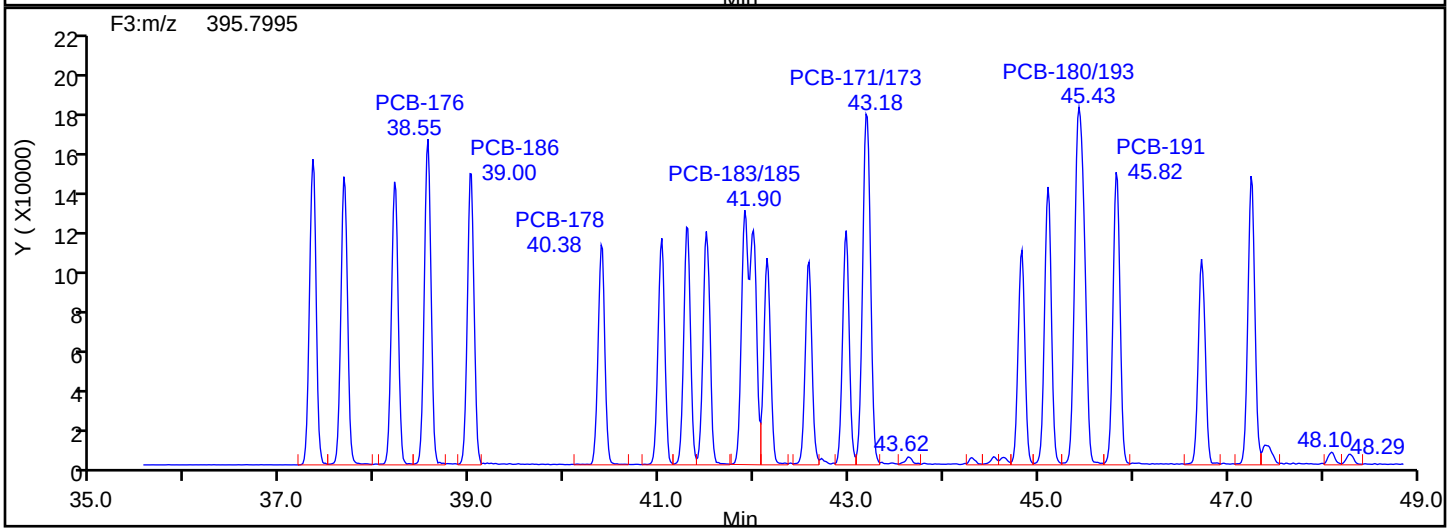


Eurofins TestAmerica, Knoxville

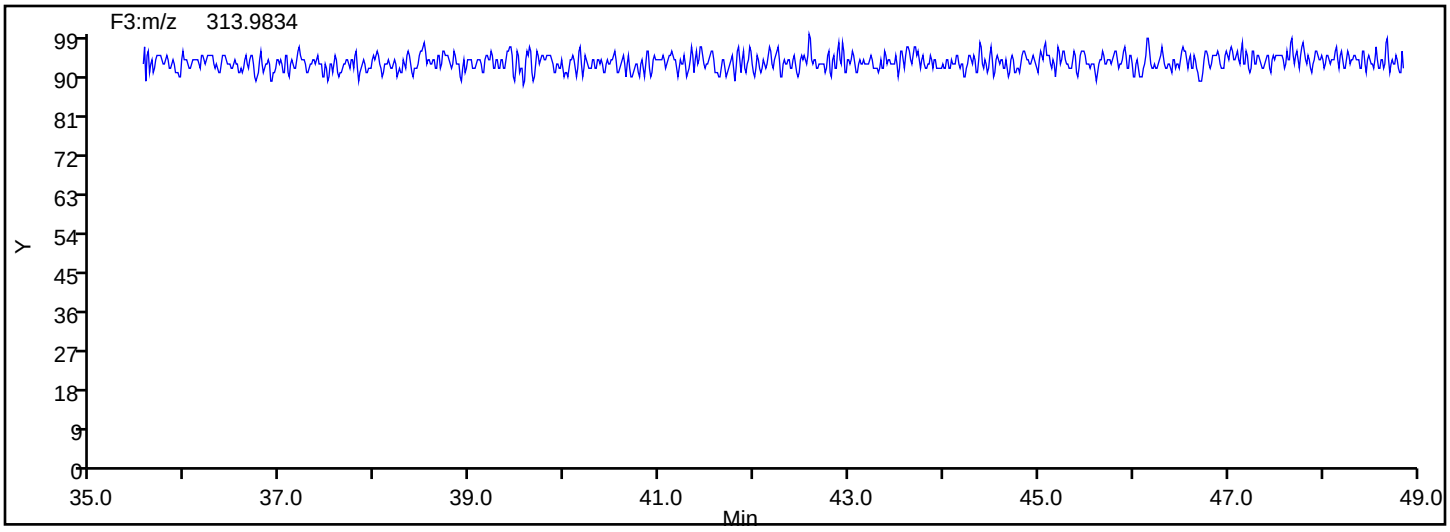
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F3




HpPCB F3 Lock Mass



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

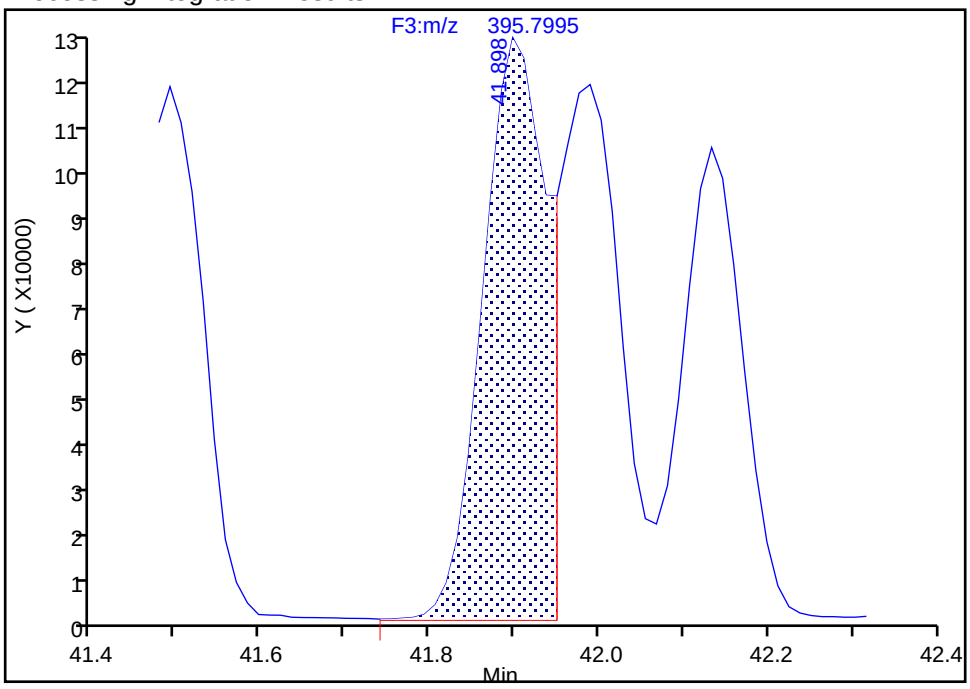
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 2

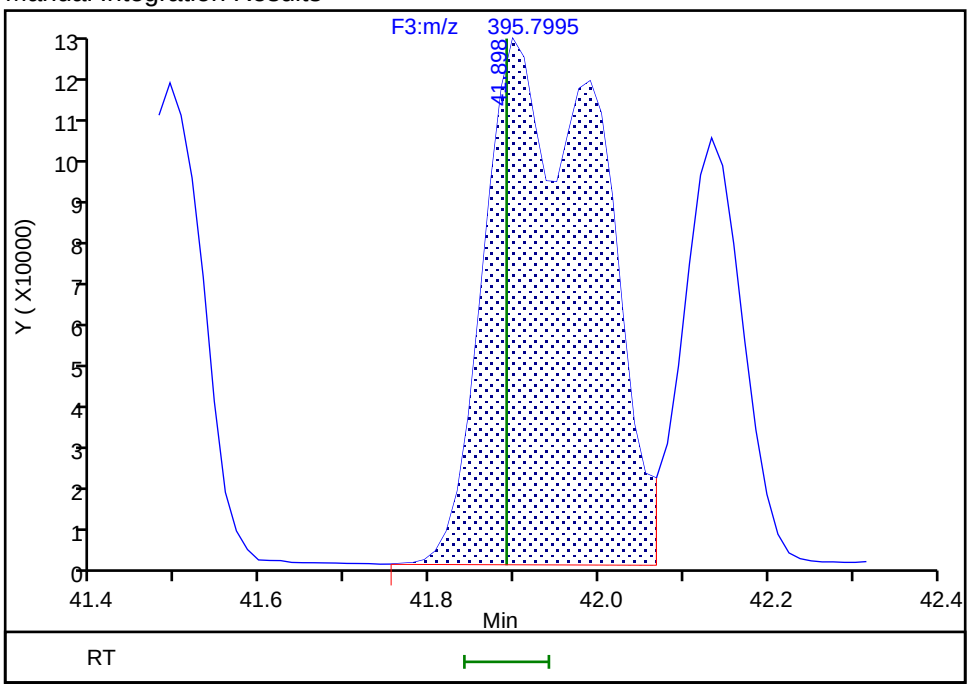
Processing Integration Results

RT: 41.90
Area: 662083
Amount: 55.550604
Amount Units: pg/ul




Manual Integration Results

RT: 41.90
Area: 1219937
Amount: 102.4930
Amount Units: pg/ul




Reviewer: davidsonm, 09-Oct-2019 15:54:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

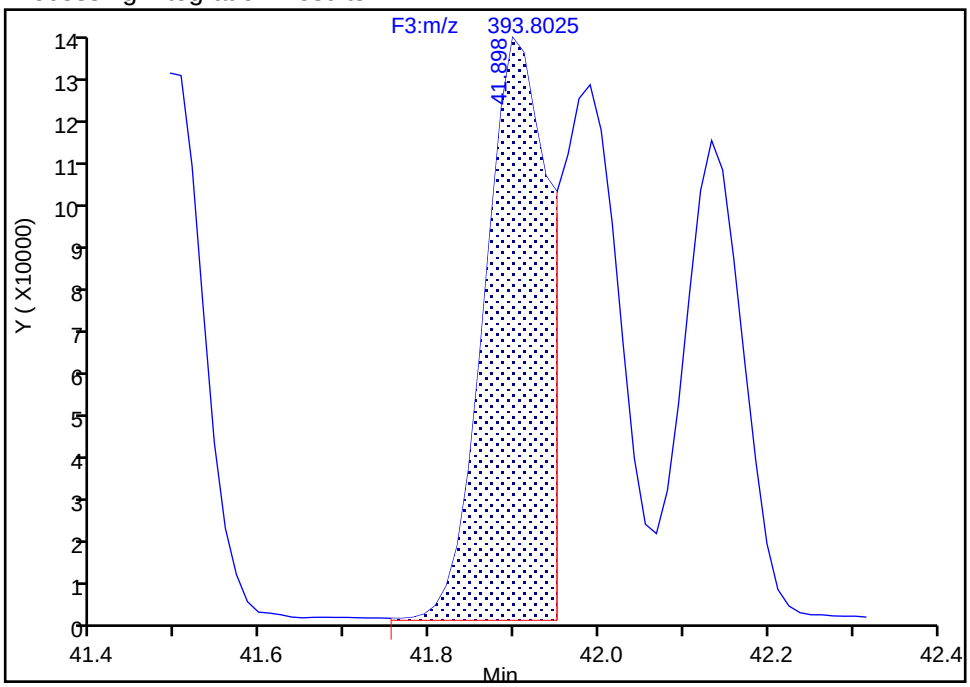
| | | | | | |
|---|---|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Instrument ID: | D3D | | |
| Lims ID: | LCS 140-34150/13-B | | | | |
| Client ID: | | | | | |
| Operator ID: | Xcalibur_System | ALS Bottle#: | 0 | Worklist Smp#: | 2 |
| Injection Vol: | 1.0 ul | Dil. Factor: | 1.0000 | | |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL | | |
| Column: | SPB-Octyl ( 0.25 mm) | Detector | F3(35.64 :49.10 ) | | |

## PCB-183/185, CAS: STL02297

Signal: 1

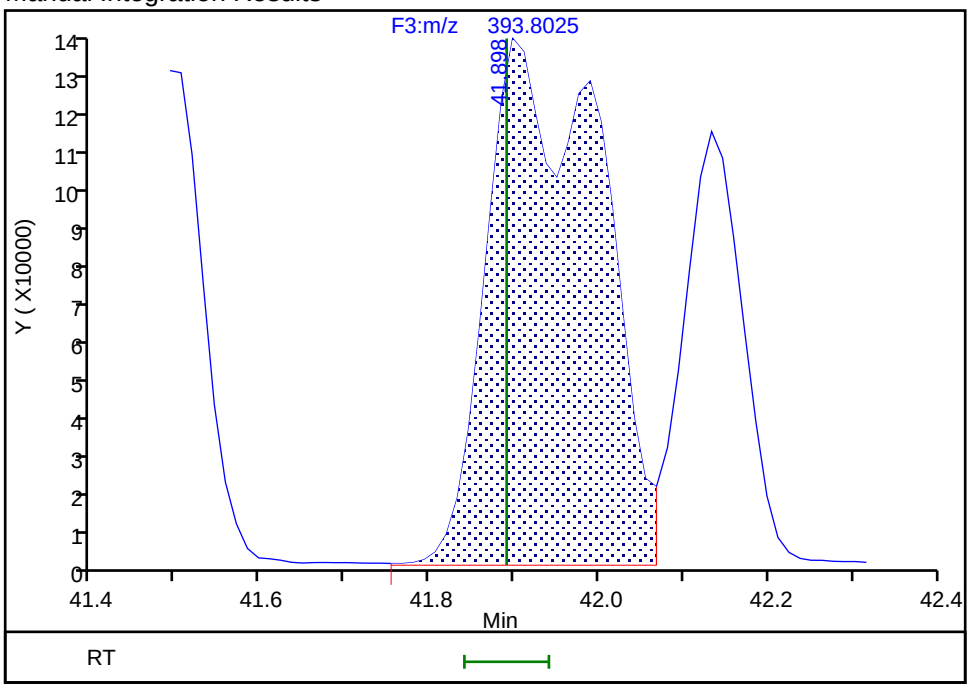
Processing Integration Results

RT: 41.90
Area: 700178
Amount: 55.550604
Amount Units: pg/ul




Manual Integration Results

RT: 41.90
Area: 1293488
Amount: 102.4930
Amount Units: pg/ul



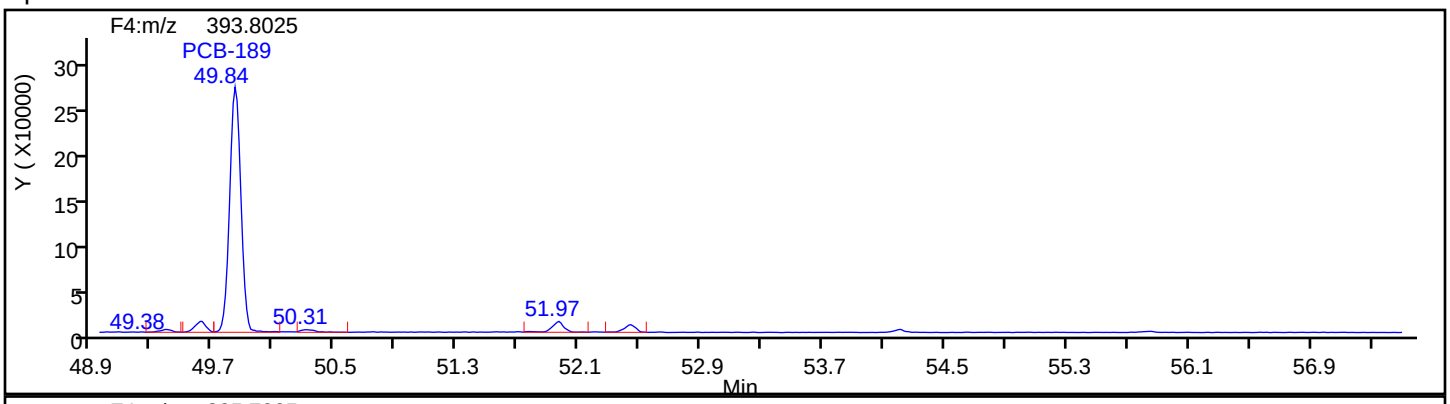

Reviewer: davidsonm, 09-Oct-2019 15:55:03

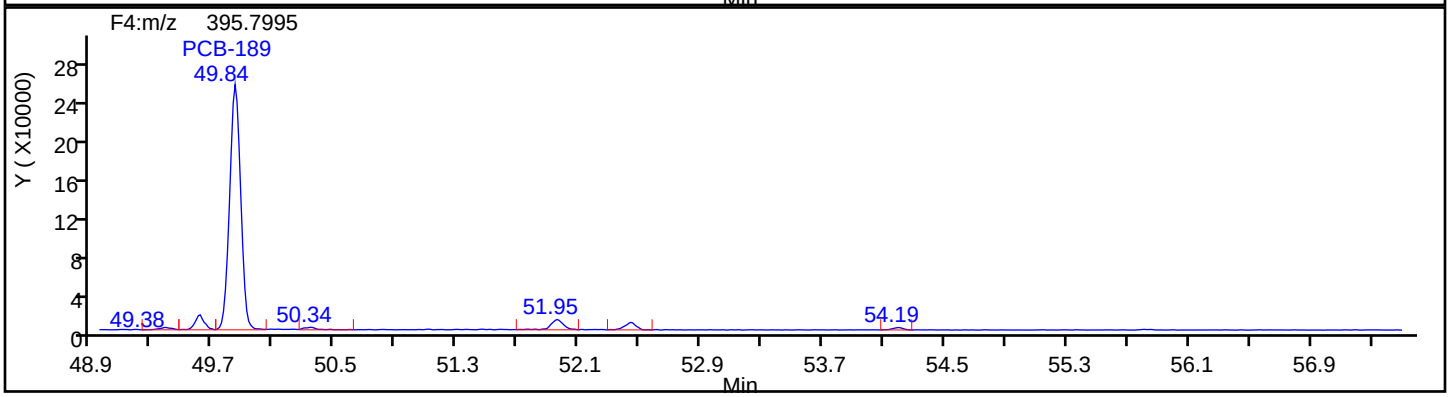
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Knoxville

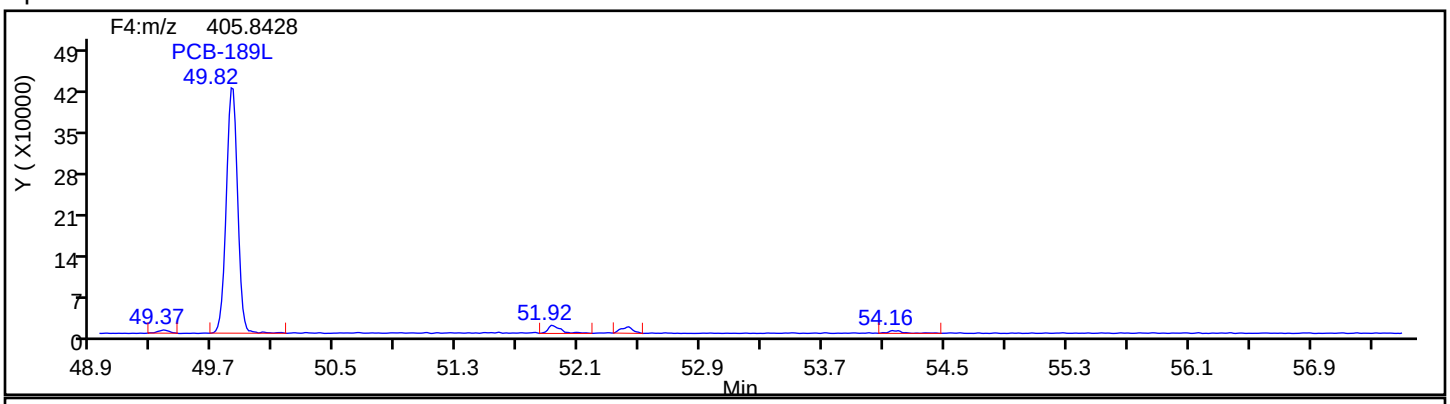
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

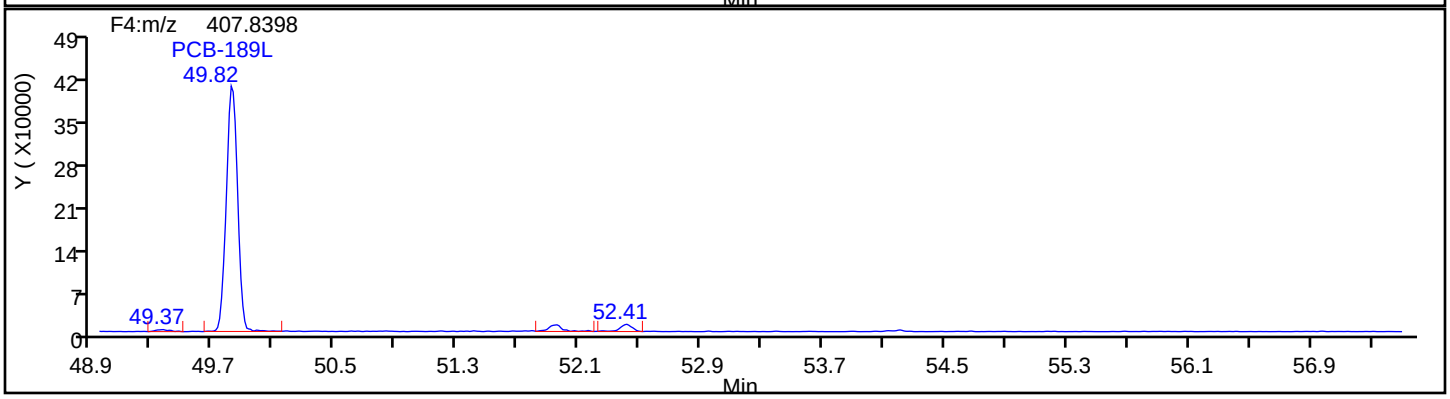
HpPCB F4




HpPCB F4 Standards



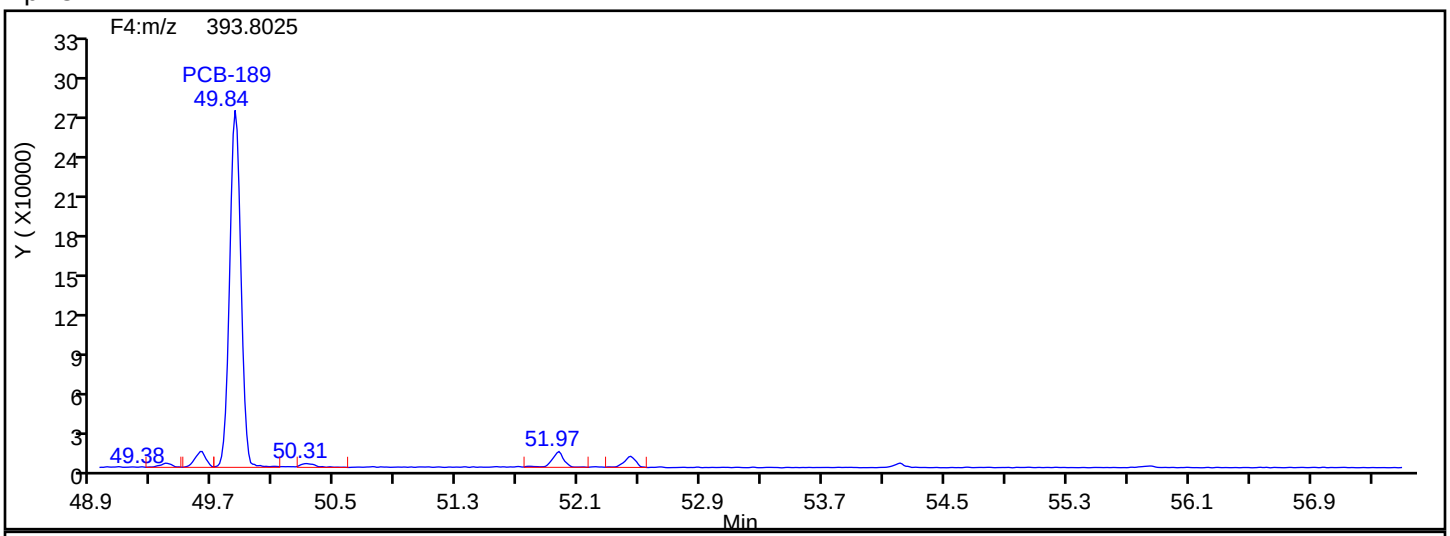



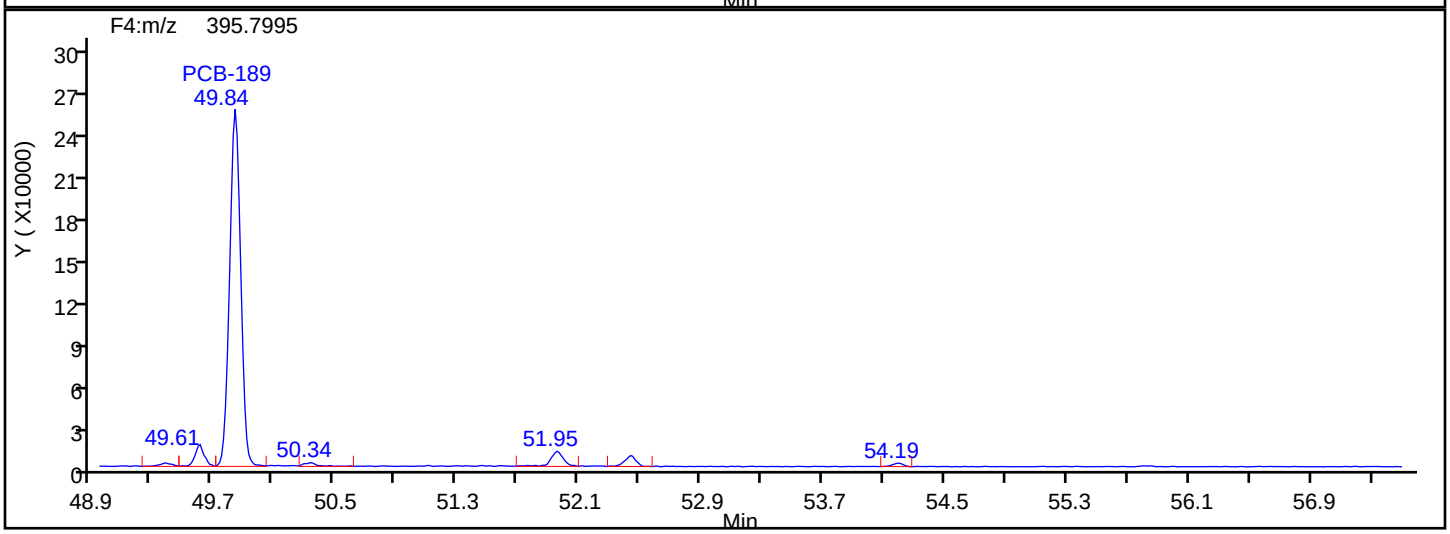
Report Date: 09-Oct-2019 15:56:10 Chrom Revision: 2.3 17-Sep-2019 16:19:08

Eurofins TestAmerica, Knoxville

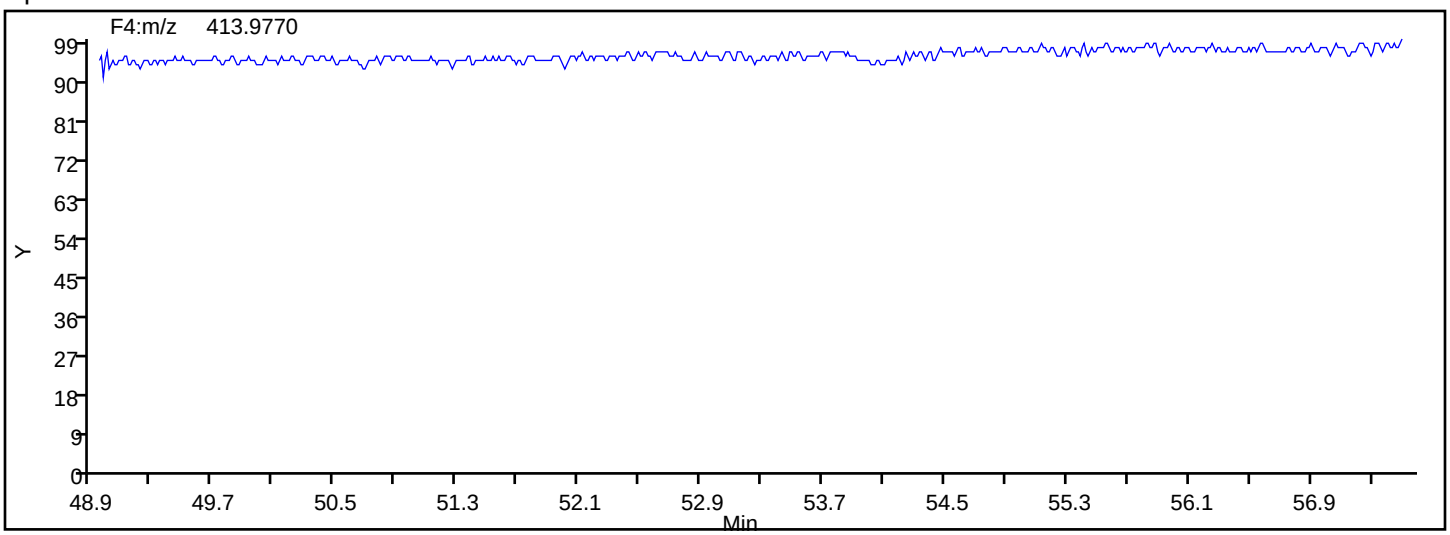
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

HpPCB F4



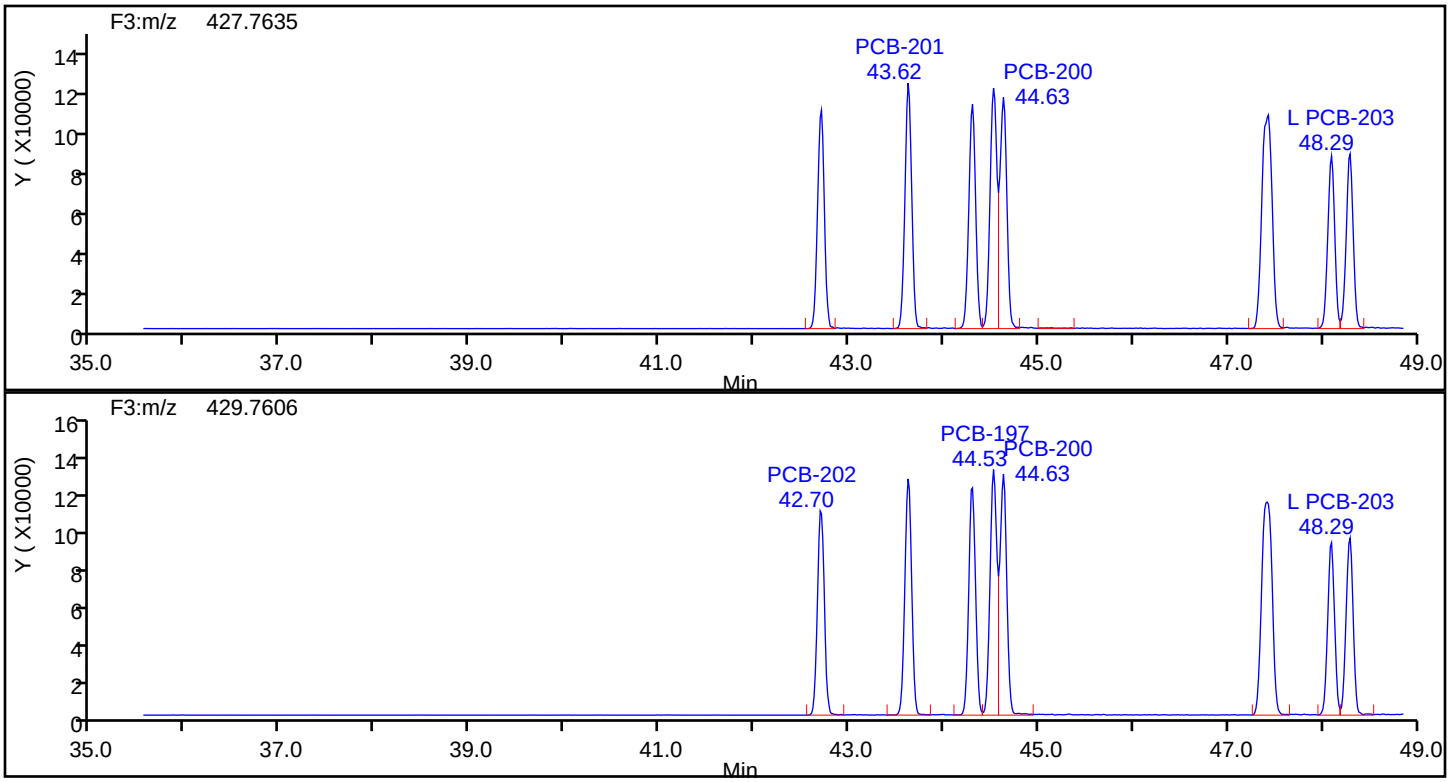

HpPCB F4 Lock Mass



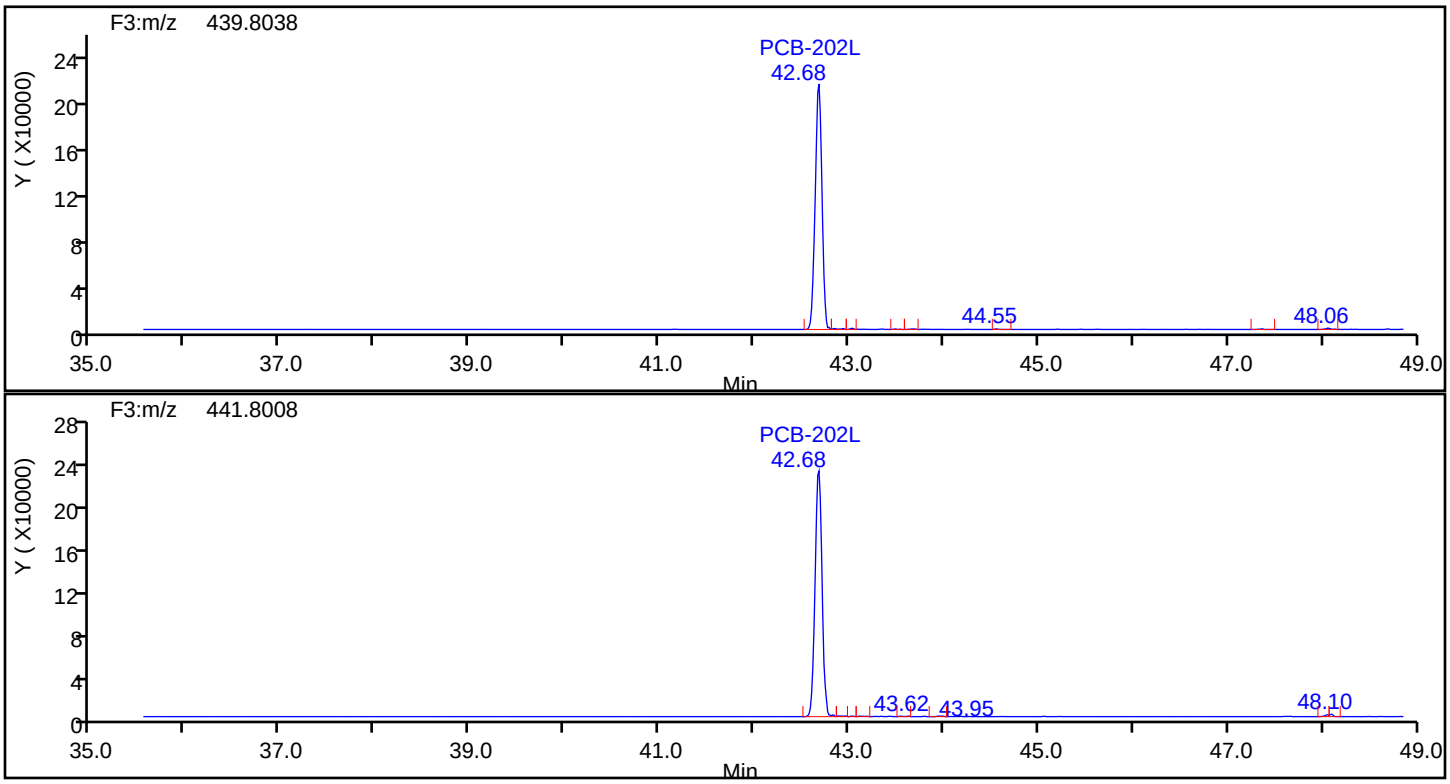
Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Standards



Eurofins TestAmerica, Knoxville

| | | | |
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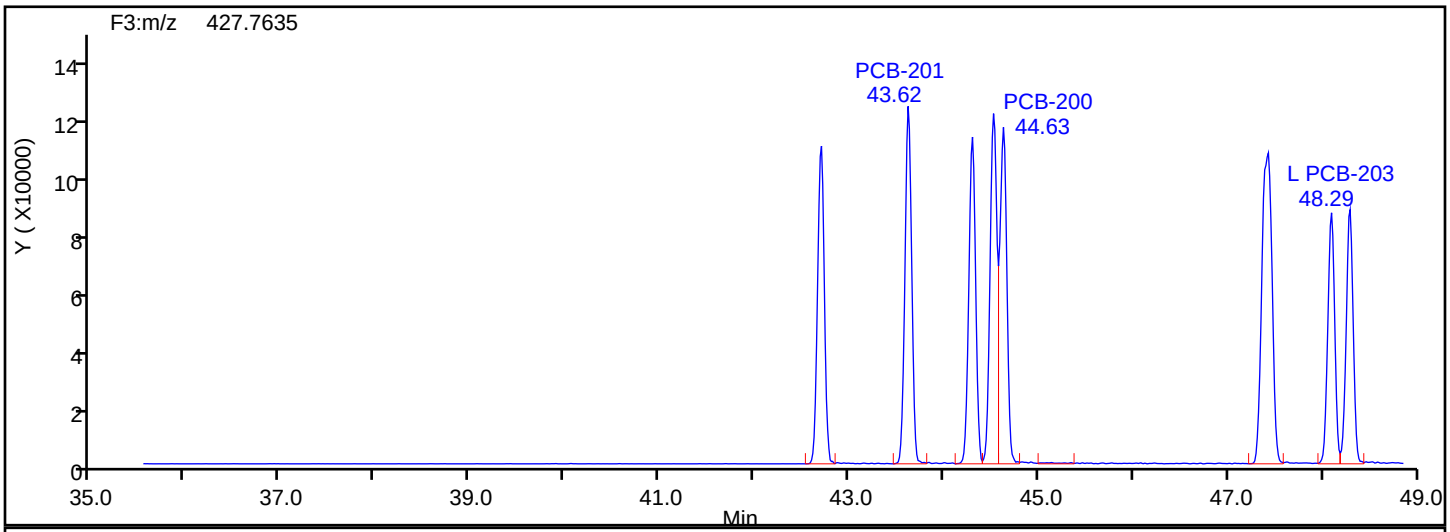
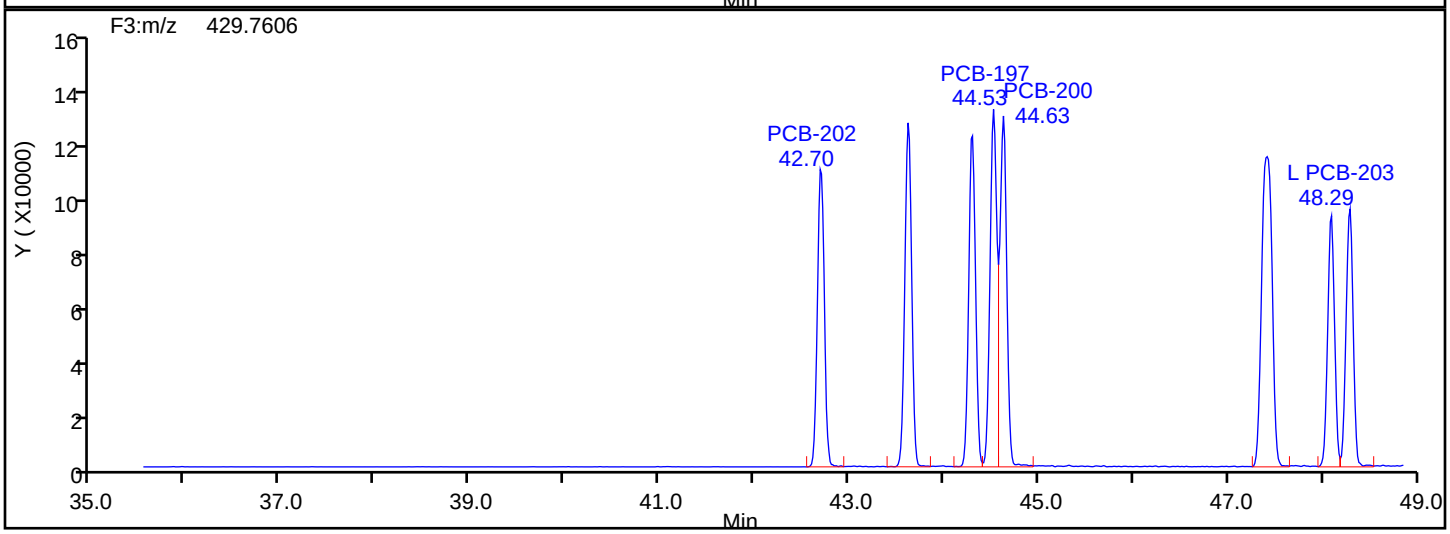
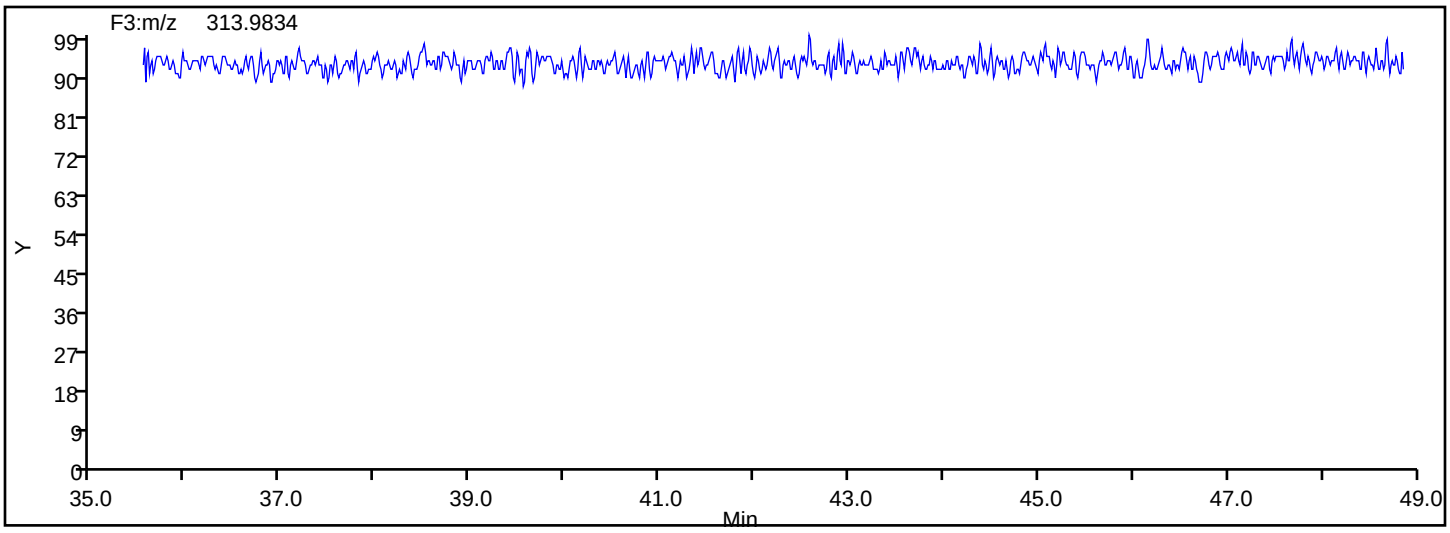
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F3




OcPCB F3 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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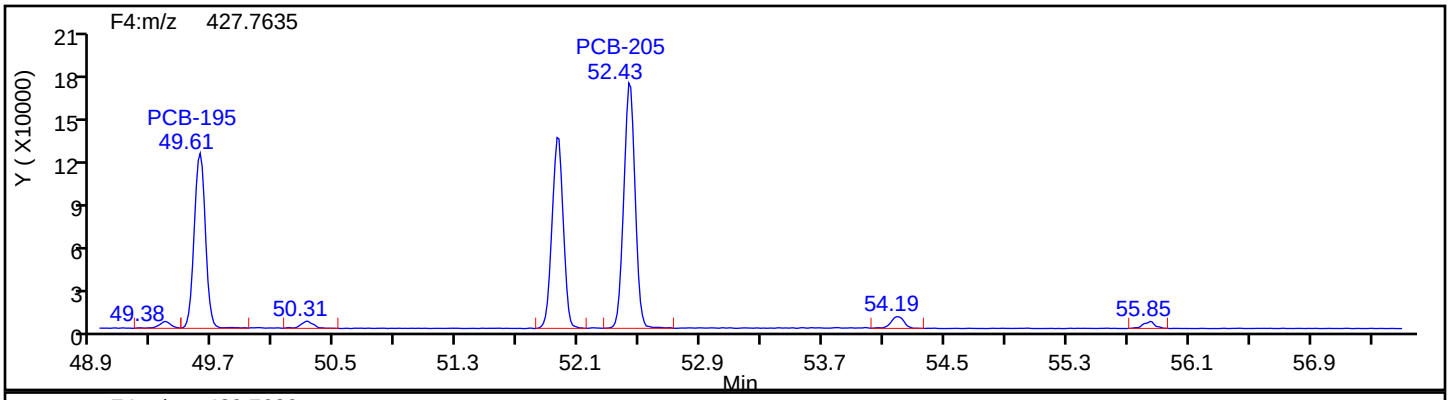
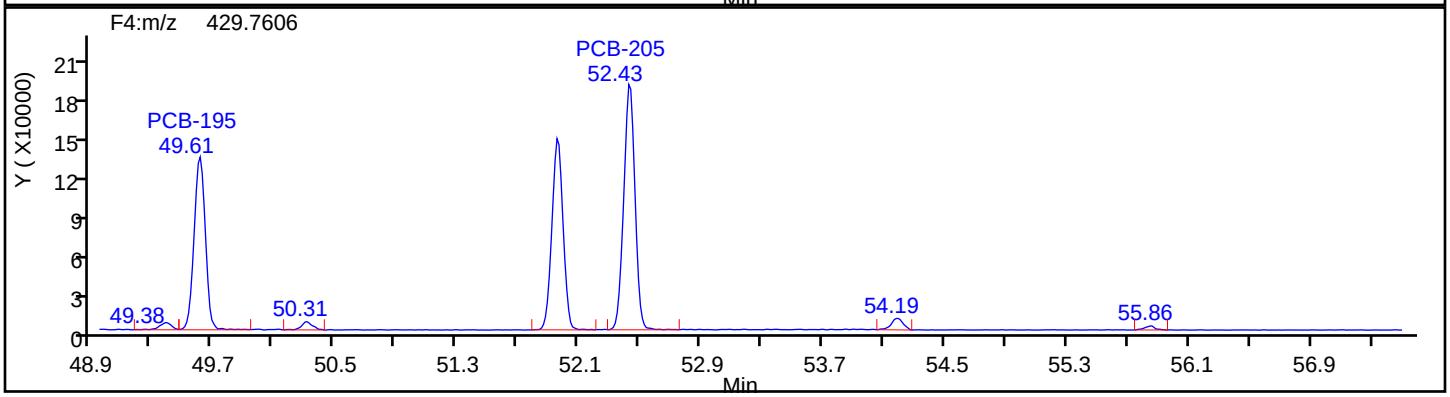
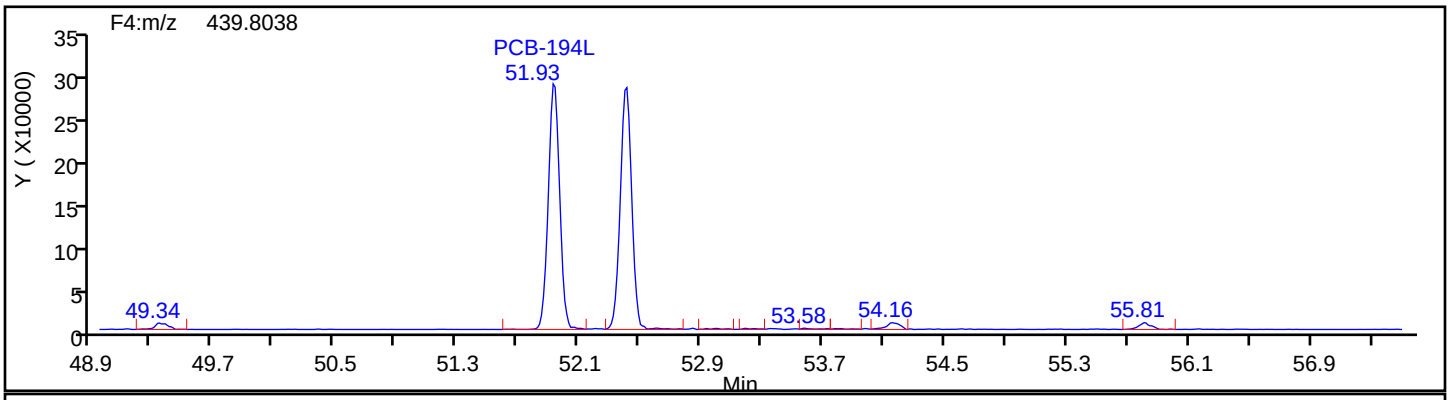
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

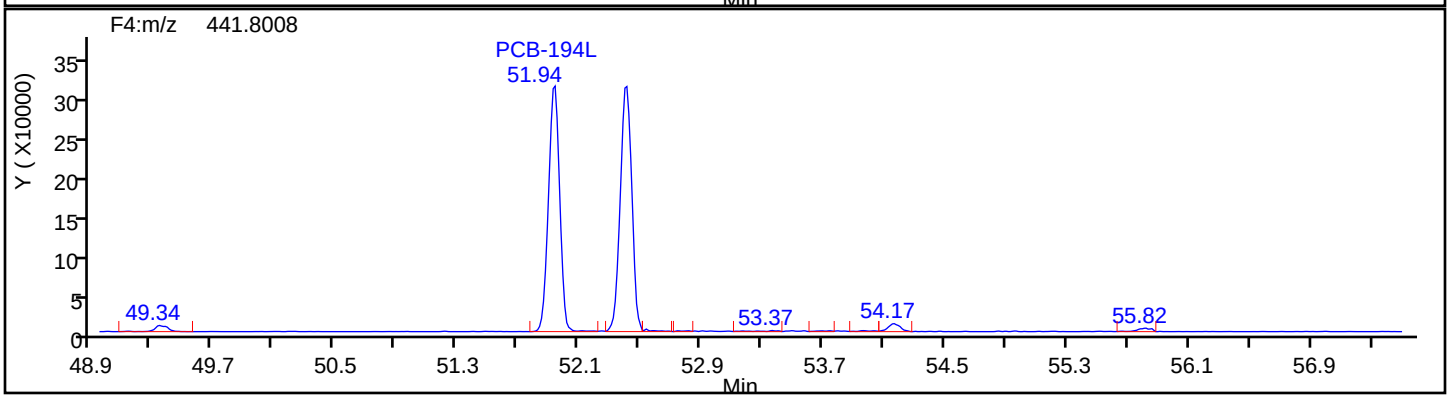
OcPCB F4




OcPCB F4 Standards



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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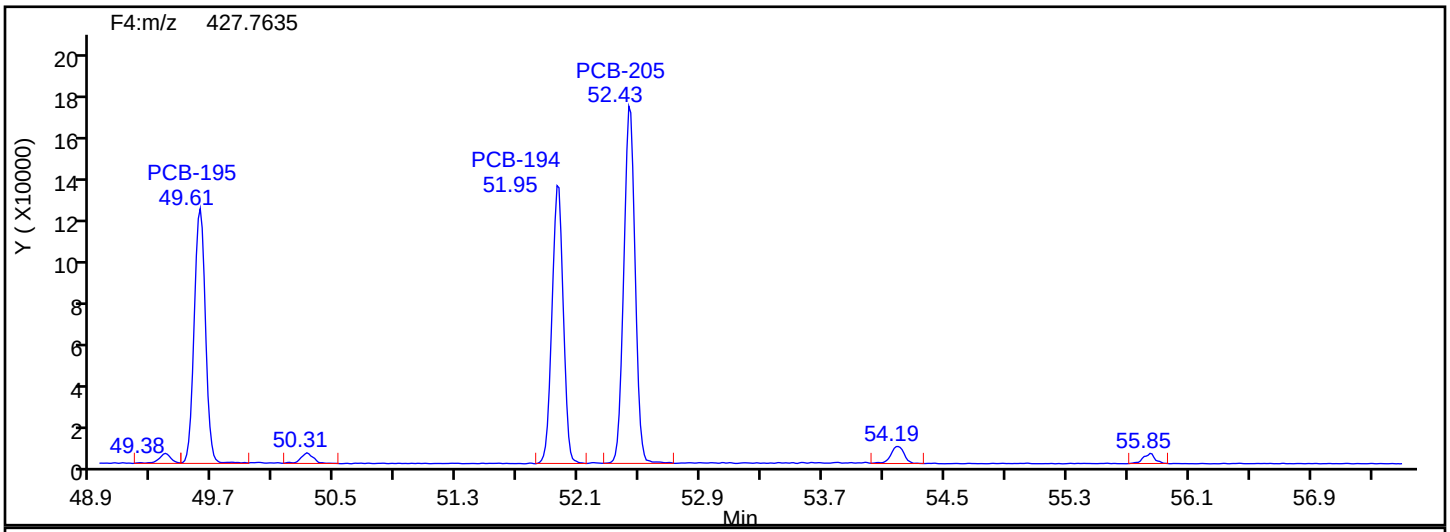
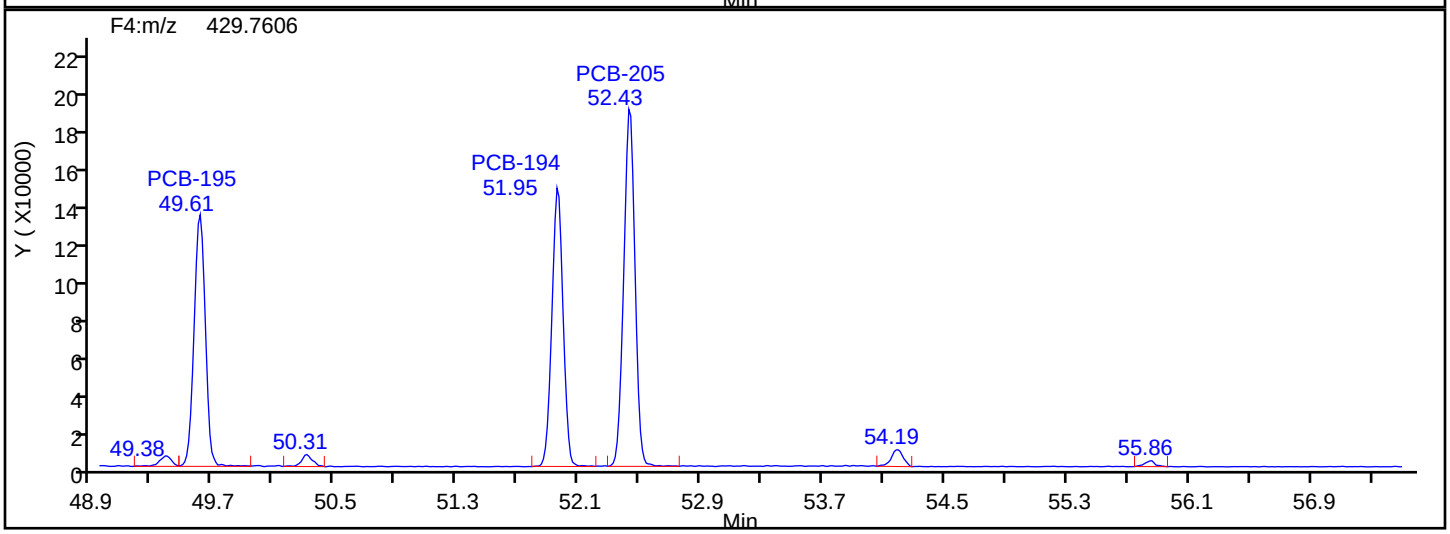
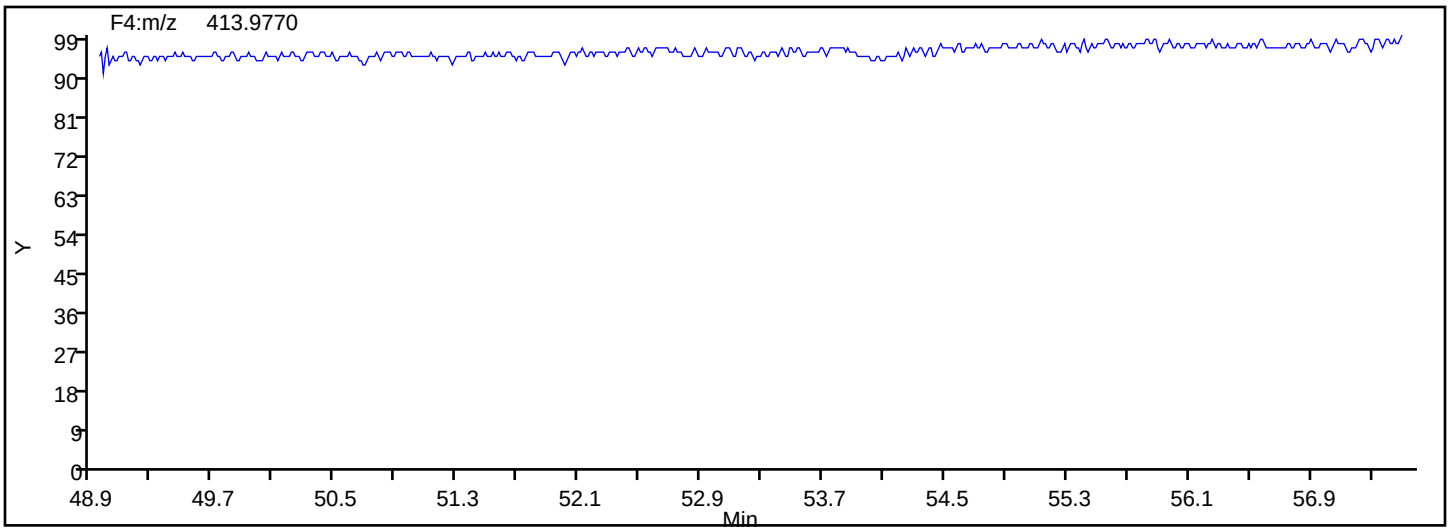
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

OcPCB F4




OcPCB F4 Lock Mass



Eurofins TestAmerica, Knoxville

| | | | |
|---|---|---|---|
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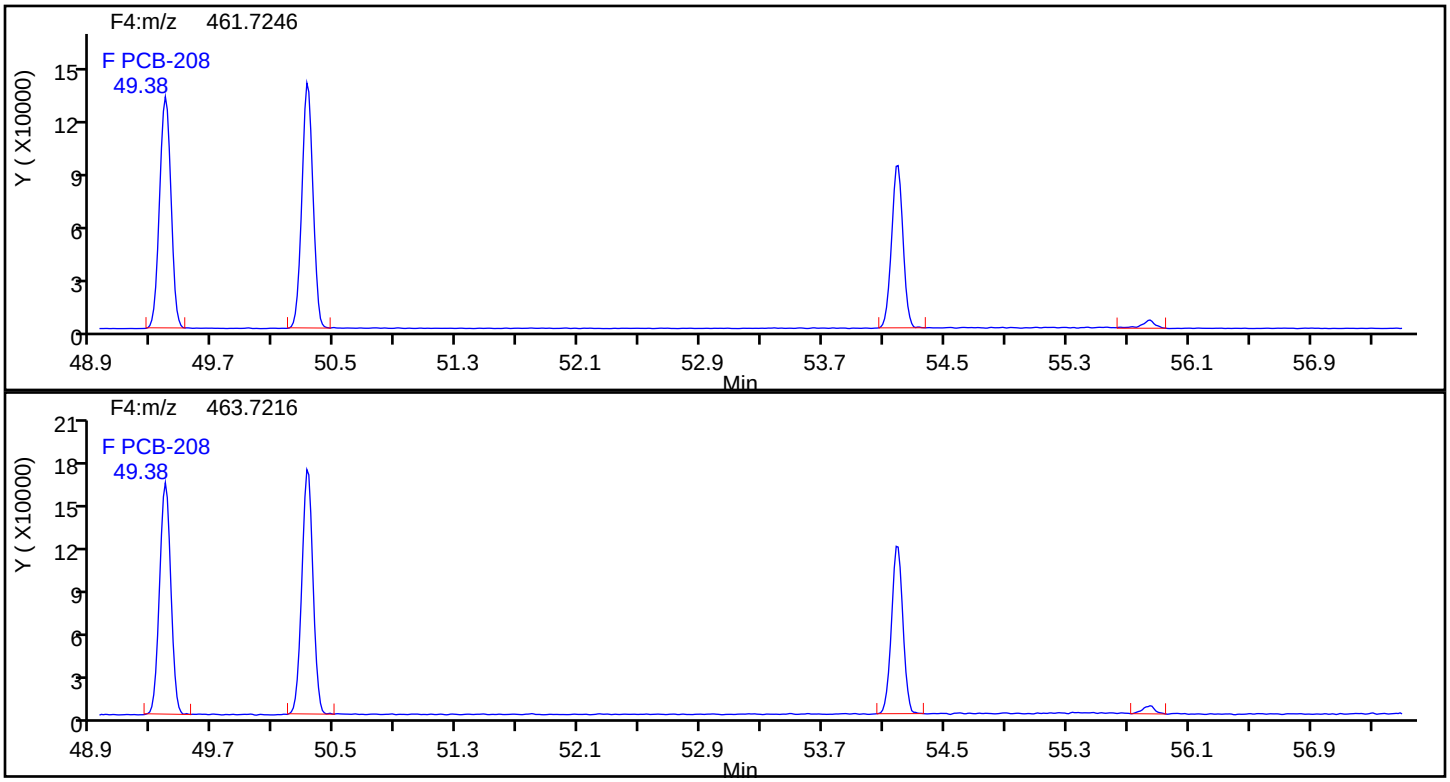
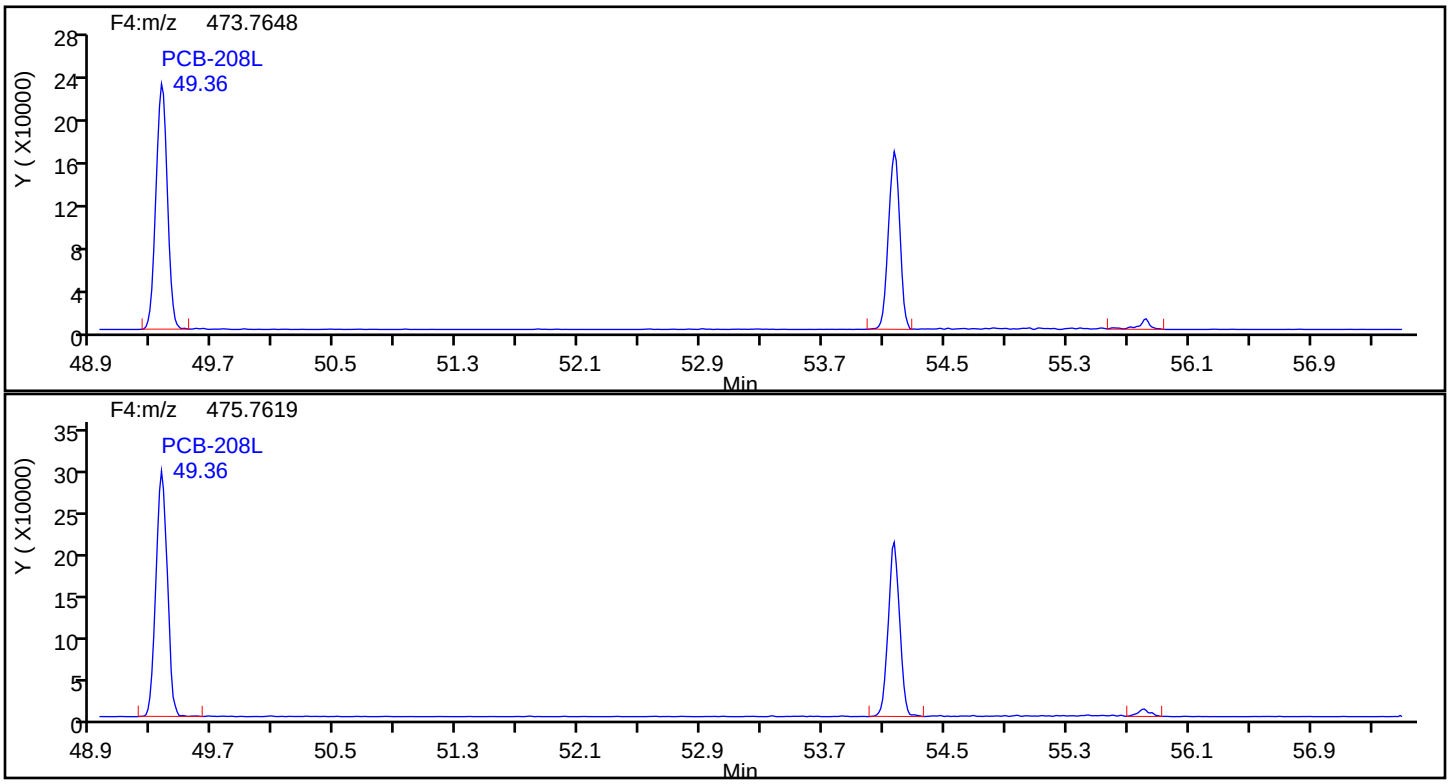
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



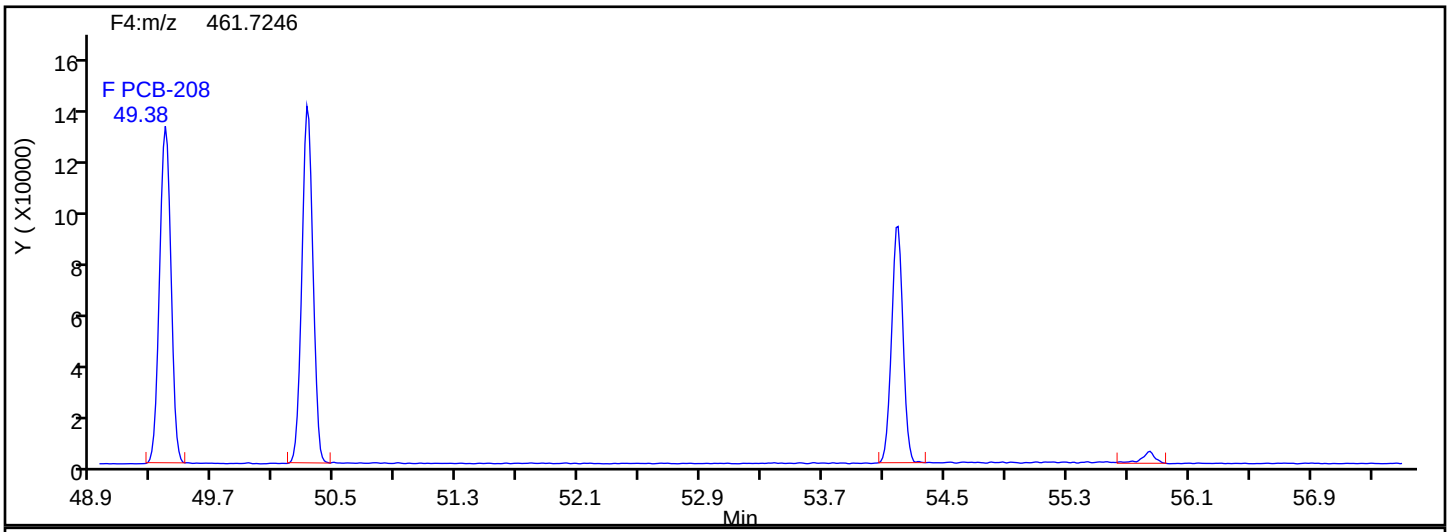

NoPCB F4 Standards

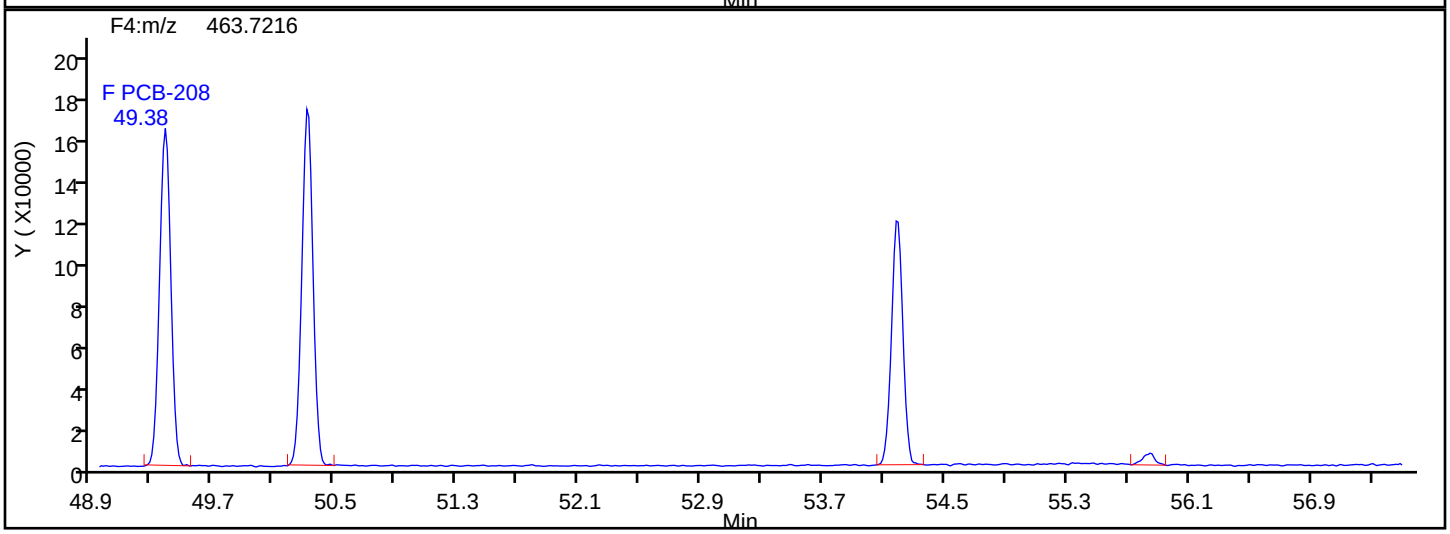


Eurofins TestAmerica, Knoxville

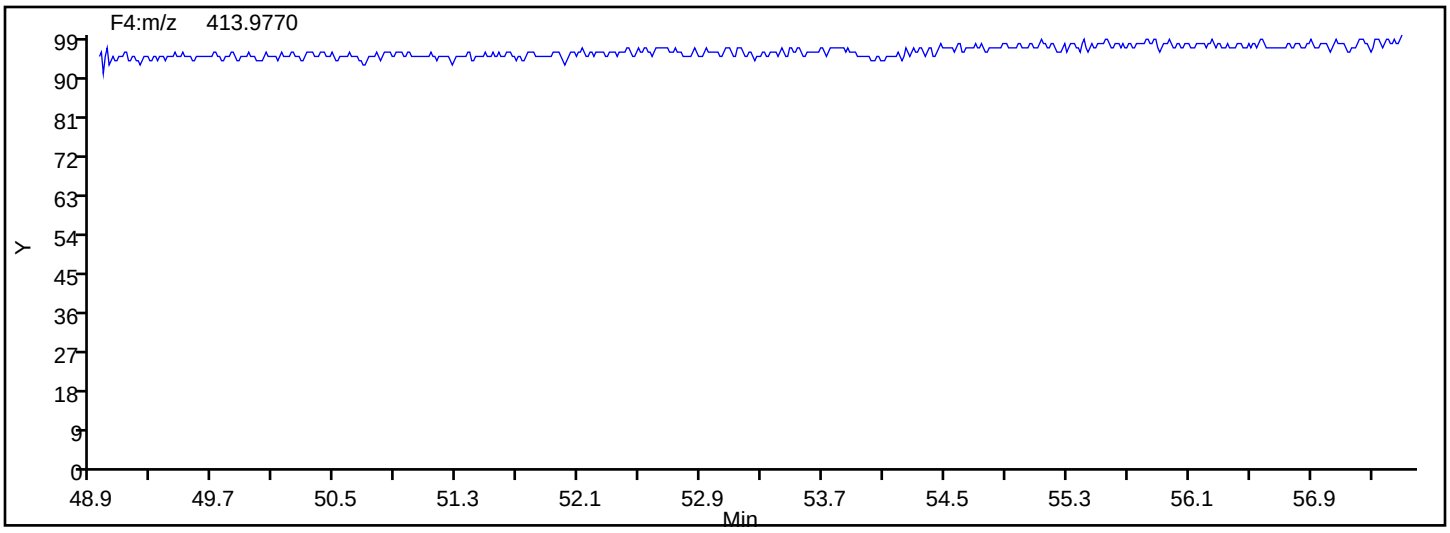
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

NoPCB F4



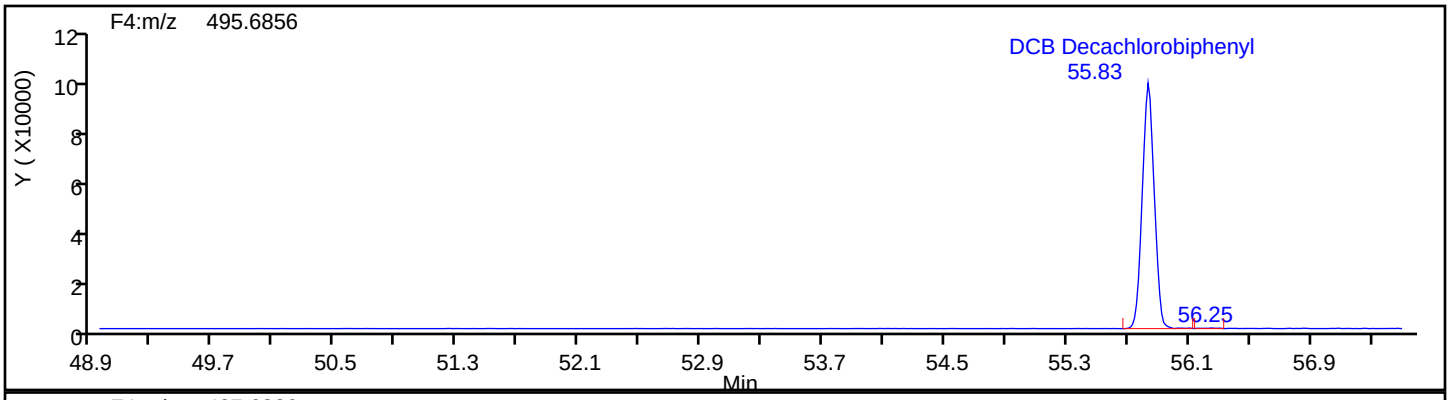

NoPCB F4 Lock Mass

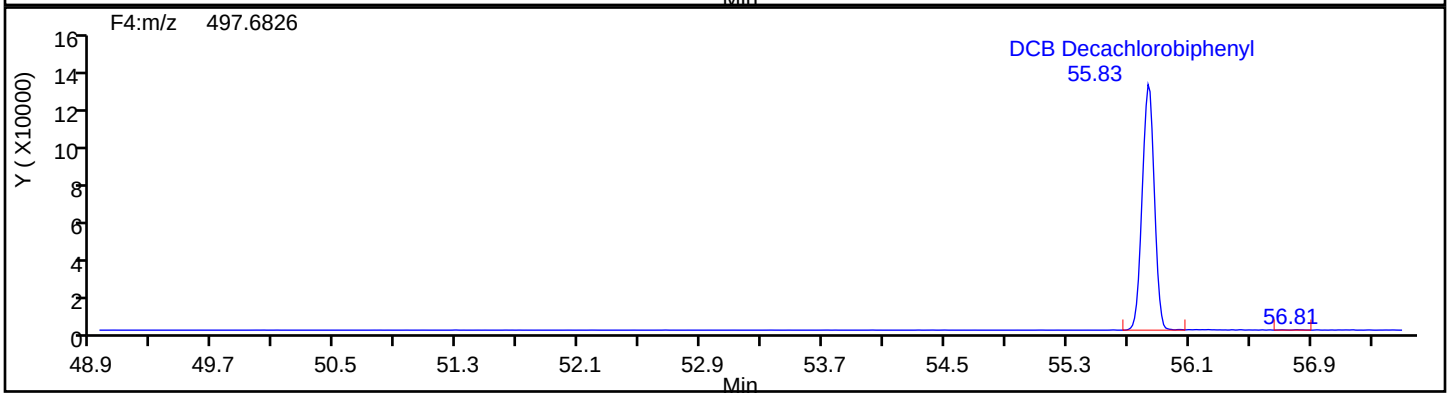


Eurofins TestAmerica, Knoxville

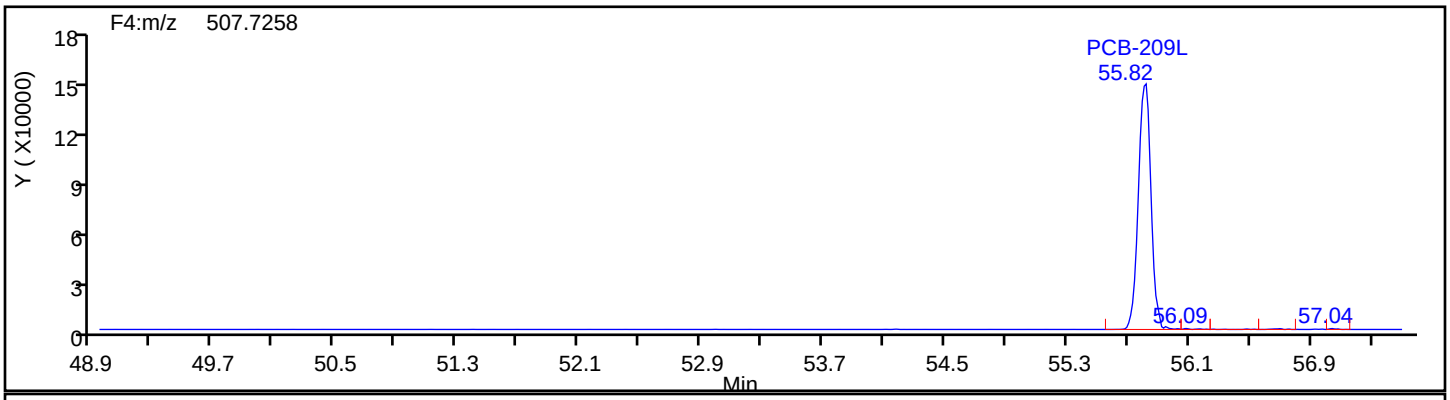
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

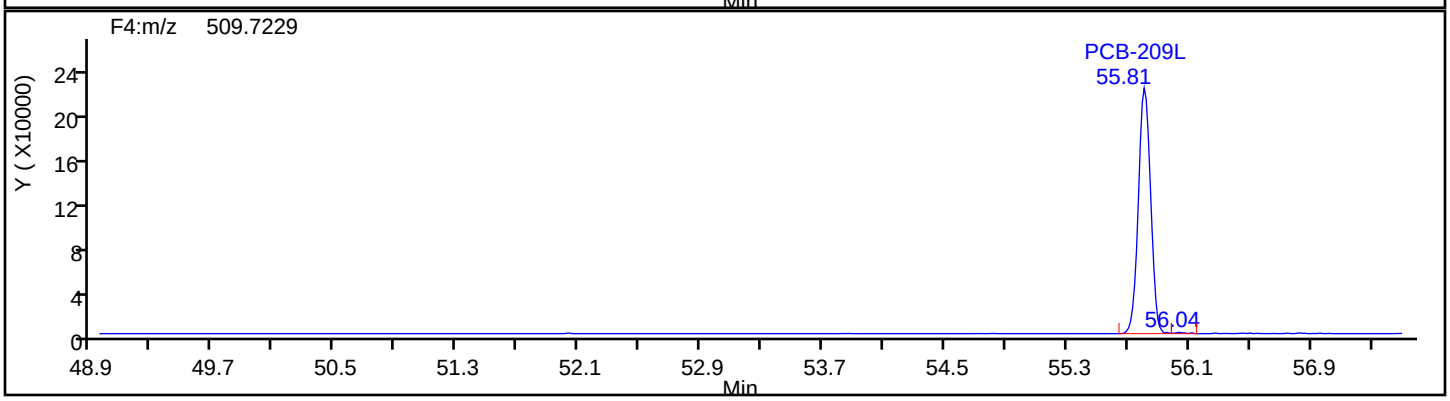
DePCB F4




DePCB F4 Standards

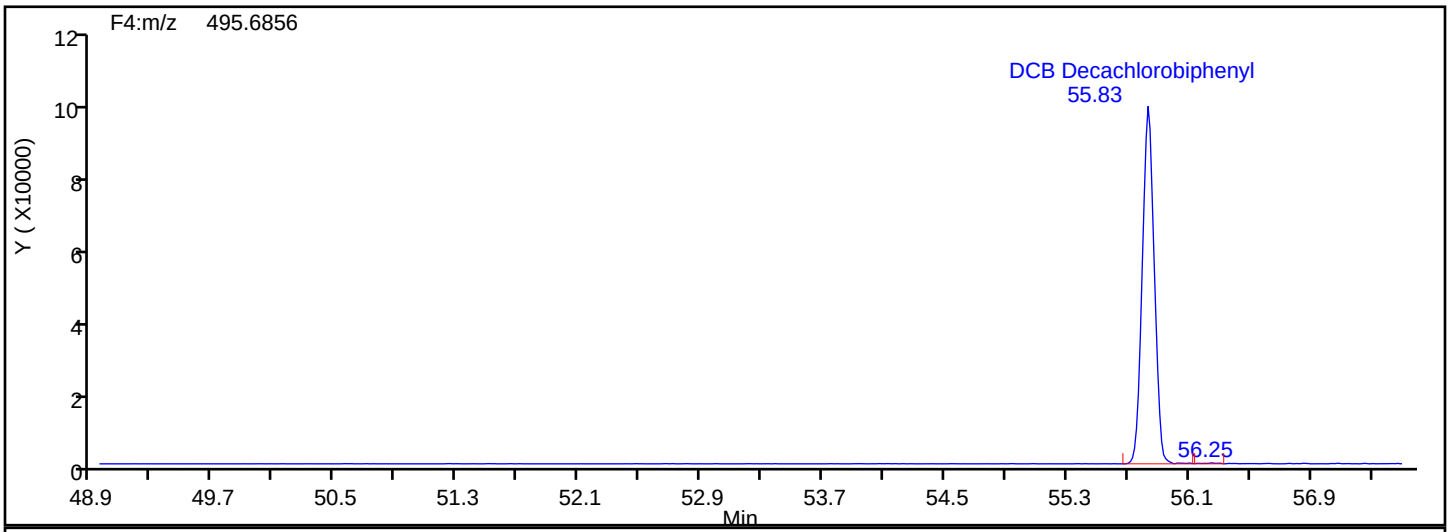


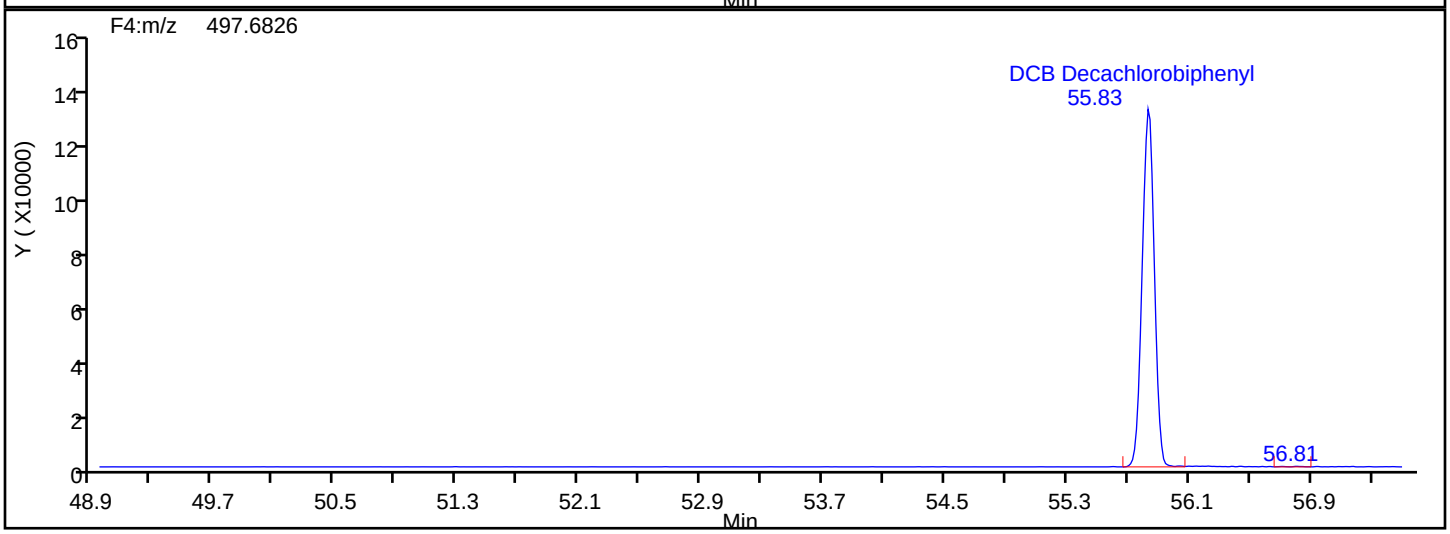



Eurofins TestAmerica, Knoxville

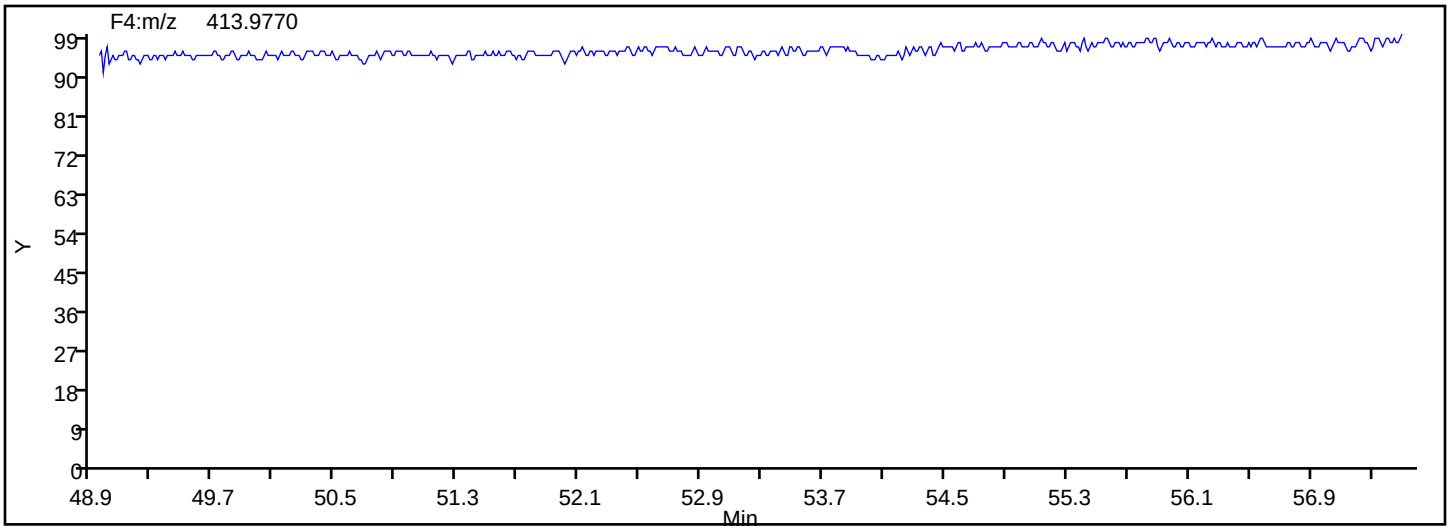
| | | | |
|---|---|---|---|
| Data File: | \\chromna\Knoxville\ChromData\D3D\20191009-13340.b\lcs140-3415013-b.d | | |
| Injection Date: | 09-Oct-2019 14:41:00 | Injection Vol: | 1.0 ul |
| Instrument ID: | D3D | Operator ID: | Xcalibur_System |
| Method: | PCBs_D3D | Limit Group: | HR - 1668A - ICAL |
| Client ID: | | | |
| Worklist#: | 34298 | Sample Line#: | 2 |
| Column Type: | SPB-Octyl | Column Dia: | 0.25 mm |

DePCB F4




DePCB F4 Lock Mass



HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Start Date: 08/21/2019 13:37

Analysis Batch Number: 33168 End Date: 08/22/2019 16:26

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| IC 140-33168/1 | | 08/21/2019 13:37 | 1 | d4190821i1c.d | SPB-Octyl 0.25(mm) |
| IC 140-33168/2 | | 08/21/2019 14:49 | 1 | d4190821i2.d | SPB-Octyl 0.25(mm) |
| IC 140-33168/3 | | 08/21/2019 15:59 | 1 | d4190821i3.d | SPB-Octyl 0.25(mm) |
| IC 140-33168/4 | | 08/21/2019 17:01 | 1 | d4190821i4.d | SPB-Octyl 0.25(mm) |
| IC 140-33168/5 | | 08/21/2019 18:03 | 1 | d4190821i5.d | SPB-Octyl 0.25(mm) |
| IC 140-33168/6 | | 08/21/2019 19:05 | 1 | d4190821i6.d | SPB-Octyl 0.25(mm) |
| ICV 140-33168/7 | | 08/22/2019 16:26 | 1 | d4190822icvb.d | SPB-Octyl 0.25(mm) |

## Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Initial Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| Mass Res Date/Time: | 8/21/19 11:38 \| 8/22/19 16:10 (ICV) | Inst: | D3D | 2nd Source Filename: | d4190822icv6 |
|---|---|---|---|---|---|
| ADII Batch #(s): | 32614, 32615 | WL #: | 12717 | Job #: | NA |

| CS0.5 Filename | CS1 Filename | CS2 Filename | CS3 Filename | CS4 Filename | CS5 Filename |
|---|---|---|---|---|---|
| d4190821ic | d4190821c2 | d4190821c3 | d4190821c4 | d4190821c5 | d4190821c6 |

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented before beginning the initial calibration? | | ✓ | | | ✓ |
| 2. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792, PFK) and ≥10,000 in the center of each m/z range for the PFK masses or FC43 masses? | | ✓ | | | ✓ |
| 3. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 4. Have PCB Mixes 1 - 5 been analyzed using the installed column to assign congener retention times, method retention times, and MID switch points? | | ✓ | | | ✓ |
| 5. Were the calibration standard solutions, at the number and concentrations specified in the SOP, analyzed? | | ✓ | | | ✓ |
| 6. Was date/time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187 in the CS3 standard? | | ✓ | | | ✓ |
| 8. Did the PCB co-elution 156/157 co-max within 2 seconds at peak maximum on the SPB-octyl? | | ✓ | | | ✓ |
| 9. Was the absolute retention time of PCB 209 greater than 55 minutes in the CS3 standard? | | ✓ | | | ✓ |
| 10. Were the response factors calculated for each labeled standard and unlabeled native analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 11. Is the %RSD acceptable for all native analytes (within ± 20% calculated by IDAs, and within ± 35% when not calculated by IDAs)? | | ✓ | | | ✓ |
| 12. Is the %RSD acceptable (within ± 35%) for all labeled standards? | | ✓ | | | ✓ |
| 13. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including IDAs? (Exception: Secondary native dichloro biphenyl channel m/z 223.9974, PFK) | | ✓ | | | ✓ |
| 14. Are the ion abundance ratios for all native Toxics/LOCs and all labeled compounds within the control limits specified? (Exception: Native dichlorobiphenyls, PFK) (Table 9) | | ✓ | | | ✓ |
| 15. Were all toxic congeners uniquely resolved from non-toxic congeners? | | ✓ | | | ✓ |
| 16. Was an ICV analyzed and calculated according to Section 10.3.5 of the SOP? | | ✓ | | < 5 outliers, none more than ±50% D. | ✓ |
| 17. If manual integrations were performed, are the analyst's name, reason and date noted in AD II? | | ✓ | | | ✓ |
| 18. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 19. Do the ICAL AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

Analyst: Melissa Dalton Date: 8/25/19

Comments:

2nd Level Reviewer: [signature] Date: 8-29-19

Comments:

HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Start Date: 09/24/2019 12:38

Analysis Batch Number: 33865  End Date: 09/24/2019 22:07

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| WDMCCV 140-33865/1 | | 09/24/2019 12:38 | 1 | d4190924s1.d | SPB-Octyl 0.25(mm) |
| LCS 140-33603/11-A | | 09/24/2019 13:53 | 1 | lcs140-3360311-a.d | SPB-Octyl 0.25(mm) |
| MB 140-33603/10-A | | 09/24/2019 15:55 | 1 | mb140-3360310-a.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/24/2019 16:57 | 1 | | SPB-Octyl 0.25(mm) |
| 580-88908-74 | | 09/24/2019 17:59 | 1 | 580-88908-a-74-a.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/24/2019 19:01 | 1 | | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/24/2019 20:03 | 1 | | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/24/2019 21:05 | 1 | | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/24/2019 22:07 | 1 | | SPB-Octyl 0.25(mm) |

# Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Continuing Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start Mass Res: | 12:05 | WL #: | 13159 | CS3 Filename: | d41909245 | Inst/ Date: | D3D | Job #'s: 140-166024, 580-88908, 140-166034, 140-16593 |
| End Mass Res: | 23:35 | AD II Batches: | 338665 | | | ICAL Event# | 2117 | |

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented at both the beginning and end of the 12 hour shift and is data verified as within the 12 hour clock? | | ✓ | | | ✓ |
| 2. Were all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 3. Was the mass resolution scanned and attached to the corresponding WDMCCV? | | ✓ | | | ✓ |
| 4. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792) and ≥10,000 in the center of each m/z range for the PFK masses as listed in the SOP or ≥10,000 in the center of each m/z range for the FC43 masses as listed in the SOP. | | ✓ | | | ✓ |
| 5. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 6. Were the date and time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Were the MID switch points set to encompass the retention time windows of each congener group? | | ✓ | | | ✓ |
| 8. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187? | | ✓ | | | ✓ |
| 9. Did the PCB co-elution 156/157 co-max within 2 sec at peak max on the SPB-octyl? | | ✓ | | | ✓ |
| 10. Was the continuing calibration performed at the beginning of the 12 hour period after successful mass resolution and GC resolution performance check? | | ✓ | | | ✓ |
| 11. Was the %D for all Toxic analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 81, 77, 123, 118, 114, 105, 126, 167, 156, 157, 169, 189) Was the %D for all LOC analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 1, 3, 4, 15, 19, 37, 54, 104, 155, 188, 202, 205, 206, 208, 209) | | ✓ | | | ✓ |
| 12. Was the %D for all non-toxic/non-LOC analytes within ± 30% (for all versions of 1668)? | | ✓ | | | ✓ |
| 13. Were the response factors calculated for each labeled standard and unlabeled target analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 14. Were the absolute retention times of all labeled IDAs within ± 15 seconds of the retention times obtained during initial calibration? | | ✓ | | | ✓ |
| 15. Are %D within ± 50% for all labeled IDAs (for 1668A/B) or -50/+45% (for 1668C) in the calibration? | | ✓ | | | ✓ |
| 16. Are the %D within ± 50% for all labeled field surrogates (for all versions of 1668) in the calibration? | | ✓ | | | ✓ |
| 17. Are the %D within -40/+30% (for 1668A/B) or ± 25% (for 1668C) for all labeled surrogates in the calibration? **Note: for 1668C, PCB28L's lower limit can extend to -35%D.** | | ✓ | | | ✓ |
| 18. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards? | | ✓ | | | ✓ |
| 19. Are RRTs of all unlabled toxic/LOC analytes within their respective RRT limits? | | ✓ | | | ✓ |
| 20. If manual integrations were performed, are they clearly identified in the AD II batch with the analyst, date and reason? | | ✓ | | | ✓ |
| 21. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 22. Do the AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

Analyst: DM Date: 9-24-19

Comments:

2nd Level Reviewer: PMT Date: 9-24-19

Comments:

**Eurofins/TestAmerica Knoxville PCB Batch Data Review Checklist**
**Method 1668 - KNOX-ID-0013-R17**

WL #: 13159
ADII Batch #(s): 33865
Job #(s): 140-16624, 580-88908, 140-16634, 140-16593

| Review Items | N/A | Yes | No | Why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the correct ICAL used for quantitation? (Check the ICAL event number in every sample and CCV.) | | ✓ | | ICAL Event # 2117 | ✓ |
| 2. Have the appropriate checklists been completed for the Work List? | | ✓ | | | ✓ |
| 3. Were all special project requirements met (checked in backlog report and in AD II)? | | ✓ | | | ✓ |
| 4. DoD requirements met? | ✓ | | | ☐ NCM#140-11724: Add to Case Narrative if Manual Integrations Performed<br>☐ Narrate reasons for multiple analyses of samples | ✓ |
| 5. Were the prep factors and dilution factors verified in AD II? | | ✓ | | ☐ **Dilution-Respike IDA** (NCM#_____) | ✓ |
| 6. Sample analyses done within preparation and analytical holding time (Check for H-flag in sample result in AD II)? | | ✓ | | ☐ **Holding Time-Initial Analysis** (NCM#_____)<br>☐ **Holding Time-Reanalysis** (NCM#_____) | ✓ |
| 7. Are IDAs, surrogates and field surrogates (if applicable) within QC limits? | | ✓ | | ☐ **IDA-Low-S/N 10:1** (NCM#_____)<br>☐ **IDA-High-Isotope Dilution** (NCM#_____) | ✓ |
| 8. Are IDAs, surrogates and field surrogate (if applicable) ion abundance ratios within limits? | | | ✓ | ☑ (NCM# 19390) ① | ✓ |
| 9. Were peaks ≥2.5 S/N, which did not meet one or more of the criteria listed in section 12.1 of the SOP calculated and reported as EMPCs? | | | | | ✓ |
| 10. Are positive results within calibration range? | | ✓ | | ☐ **ICAL-Range Exceed;No Sat.** (NCM#_____) | ✓ |
| 11. Are all non-detects that are G-qualified narrated? | ✓ | | | ☐ (NCM#_____) | ✓ |
| 12. Are all manual integrations documented with analyst ID, reason and date in AD II? | | ✓ | | | ✓ |
| 13. Are all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 14. Final report acceptable (1. Job Data Review was checked and all CCV's, QC, and samples are turned to 2nd level, 2. The narrative was checked in Supervisor Desktop for all deviations and grammar errors, and 3. All QC links were verified and at least one sample from every job is linked to the ICAL)? | | ✓ | | | ✓ |
| 15. LCS done per prep batch and all LCS/LCSD recoveries and RPDs within QC limits? | | ✓ | | ☐ **LCS/LCSD-%R High** (NCM#_____)<br>☐ **LCS/LCSD-Insuff. Sample** (NCM#_____) | ✓ |
| 16. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence? | | ✓ | | | ✓ |
| 17. Are all analytes present in the method blank ≤ EML or within the specific program requirements? | | ✓ | | ☐ **Method Blank-Report, 10X** (NCM#_____)<br>☐ **Method Blank-Report ND** (NCM#_____)<br>☐ **Method Blank-Insuff. Sample** NCM#_____) | ✓ |

1st Level Reviewed by: PMP Date: 9-25-19

Comments:

① LCS, MB

2nd Level Reviewed by: DM Date: 9-25-19

Comments:

HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Start Date: 09/25/2019 22:28

Analysis Batch Number: 33925 End Date: 09/26/2019 06:56

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| WDMCCV 140-33925/1 | | 09/25/2019 22:28 | 1 | d4190925s3.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/26/2019 01:46 | 1 | | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/26/2019 03:50 | 5 | | SPB-Octyl 0.25(mm) |
| 580-88908-28 | | 09/26/2019 04:52 | 5 | 580-88908-a-28-ca.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 09/26/2019 06:56 | 5 | | SPB-Octyl 0.25(mm) |

# Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Continuing Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start Mass Res: | 22:10 | WL #: | 13185 | CS3 Filename: | d41909258 | Inst/ Date: | D3D 9-25-19 | Job #'s: 140-16593 580-88908 |
| End Mass Res: | 9:04 | AD II Batches: | 33925 | | | ICAL Event# | 2117 | |

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented at both the beginning and end of the 12 hour shift and is data verified as within the 12 hour clock? | | ✓ | | | ✓ |
| 2. Were all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 3. Was the mass resolution scanned and attached to the corresponding WDMCCV? | | ✓ | | | ✓ |
| 4. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792) and ≥10,000 in the center of each m/z range for the PFK masses as listed in the SOP or ≥10,000 in the center of each m/z range for the FC43 masses as listed in the SOP. | | ✓ | | | ✓ |
| 5. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 6. Were the date and time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Were the MID switch points set to encompass the retention time windows of each congener group? | | ✓ | | | ✓ |
| 8. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187? | | ✓ | | | ✓ |
| 9. Did the PCB co-elution 156/157 co-max within 2 sec at peak max on the SPB-octyl? | | ✓ | | | ✓ |
| 10. Was the continuing calibration performed at the beginning of the 12 hour period after successful mass resolution and GC resolution performance check? | | ✓ | | | ✓ |
| 11. Was the %D for all Toxic analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 81, 77, 123, 118, 114, 105, 126, 167, 156, 157, 169, 189) Was the %D for all LOC analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 1, 3, 4, 15, 19, 37, 54, 104, 155, 188, 202, 205, 206, 208, 209) | | ✓ | | | ✓ |
| 12. Was the %D for all non-toxic/non-LOC analytes within ± 30% (for all versions of 1668)? | | ✓ | | | ✓ |
| 13. Were the response factors calculated for each labeled standard and unlabeled target analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 14. Were the absolute retention times of all labeled IDAs within ± 15 seconds of the retention times obtained during initial calibration? | | ✓ | | | ✓ |
| 15. Are %D within ± 50% for all labeled IDAs (for 1668A/B) or -50/+45% (for 1668C) in the calibration? | | ✓ | | | ✓ |
| 16. Are the %D within ± 50% for all labeled field surrogates (for all versions of 1668) in the calibration? | | ✓ | | | ✓ |
| 17. Are the %D within -40/+30% (for 1668A/B) or ± 25% (for 1668C) for all labeled surrogates in the calibration? **Note: for 1668C, PCB28L's lower limit can extend to -35%D.** | | ✓ | | | ✓ |
| 18. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards? | | ✓ | | | ✓ |
| 19. Are RRTs of all unlabled toxic/LOC analytes within their respective RRT limits? | | ✓ | | | ✓ |
| 20. If manual integrations were performed, are they clearly identified in the AD II batch with the analyst, date and reason? | | ✓ | | | ✓ |
| 21. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 22. Do the AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

**Analyst:** PMP **Date:** 9-25-19

**Comments:**

**2nd Level Reviewer :** WM **Date** 9-26-19

**Comments:**

**Eurofins/TestAmerica Knoxville PCB Batch Data Review Checklist**
**Method 1668 - KNOX-ID-0013-R17**

WL #: 13185
ADII Batch #(s): 33925
Job #(s): 580-58908
140-16593

| Review Items | N/A | Yes | No | Why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the correct ICAL used for quantitation? (Check the ICAL event number in every sample and CCV.) | | ✓ | | ICAL Event # 2117 | ✓ |
| 2. Have the appropriate checklists been completed for the Work List? | | ✓ | | | ✓ |
| 3. Were all special project requirements met (checked in backlog report and in AD II)? | | ✓ | | | ✓ |
| 4. DoD requirements met? | ✓ | | | ☐ NCM#140-11724: Add to Case Narrative if Manual Integrations Performed<br>☐ Narrate reasons for multiple analyses of samples | ✓ |
| 5. Were the prep factors and dilution factors verified in AD II? | | ✓ | | ☐ **Dilution-Respike IDA** (NCM#_____) | ✓ |
| 6. Sample analyses done within preparation and analytical holding time (Check for H-flag in sample result in AD II)? | | ✓ | | ☐ **Holding Time-Initial Analysis** (NCM#_____)<br>☐ **Holding Time-Reanalysis** (NCM#_____) | ✓ |
| 7. Are IDAs, surrogates and field surrogates (if applicable) within QC limits? | | ✓ | | ☐ **IDA-Low-S/N 10:1** (NCM#_____)<br>☐ **IDA-High-Isotope Dilution** (NCM#_____) | ✓ |
| 8. Are IDAs, surrogates and field surrogate (if applicable) ion abundance ratios within limits? KMM 9-26-19 | ✓ | x | ✓ | ☐ (NCM# 19822) | ✓ |
| 9. Were peaks ≥2.5 S/N, which did not meet one or more of the criteria listed in section 12.1 of the SOP calculated and reported as EMPCs? | | ✓ | | | ✓ |
| 10. Are positive results within calibration range? | | ✓ | | ☐ **ICAL-Range Exceed;No Sat.** (NCM#_____) | ✓ |
| 11. Are all non-detects that are G-qualified narrated? | ✓ | | | ☐ (NCM#_____) | ✓ |
| 12. Are all manual integrations documented with analyst ID, reason and date in AD II? | | ✓ | | | ✓ |
| 13. Are all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 14. Final report acceptable (1. Job Data Review was checked and all CCV's, QC, and samples are turned to 2nd level, 2. The narrative was checked in Supervisor Desktop for all deviations and grammar errors, and 3. All QC links were verified and at least one sample from every job is linked to the ICAL)? | | ✓ | | | ✓ |
| 15. LCS done per prep batch and all LCS/LCSD recoveries and RPDs within QC limits? | | ✓ | | ☐ **LCS/LCSD-%R High** (NCM#_____)<br>☐ **LCS/LCSD-Insuff. Sample** (NCM#_____) | ✓ |
| 16. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence? | | ✓ | | | ✓ |
| 17. Are all analytes present in the method blank ≤ EML or within the specific program requirements? | | ✓ | | ☐ **Method Blank-Report, 10X** (NCM#_____)<br>☐ **Method Blank-Report ND** (NCM#_____)<br>☐ **Method Blank-Insuff. Sample** NCM#_____) | ✓ |

**1st Level Reviewed by:** KMM  **Date:** 9-26-19

**Comments:**

**2nd Level Reviewed by:** [signature]  **Date:** 9/26/19

**Comments:**

HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Start Date: 10/03/2019 11:24

Analysis Batch Number: 34146 End Date: 10/03/2019 20:51

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| WDMCCV 140-34146/1 | | 10/03/2019 11:24 | 1 | d4191003s1.d | SPB-Octyl 0.25(mm) |
| LCS 140-33628/13-B | | 10/03/2019 12:37 | 5 | lcs140-3362813-b_191003123749.d | SPB-Octyl 0.25(mm) |
| MB 140-33628/12-B | | 10/03/2019 14:39 | 5 | mb140-3362812-b_191003143938.d | SPB-Octyl 0.25(mm) |
| 580-88908-26 | | 10/03/2019 15:41 | 5 | 580-88908-a-26-c_191003154139.d | SPB-Octyl 0.25(mm) |
| 580-88908-27 | | 10/03/2019 16:43 | 5 | 580-88908-a-27-c_191003164337.d | SPB-Octyl 0.25(mm) |
| 580-88908-29 | | 10/03/2019 17:45 | 5 | 580-88908-a-29-c_191003174537.d | SPB-Octyl 0.25(mm) |
| 580-88908-30 | | 10/03/2019 18:47 | 5 | 580-88908-a-30-c.d | SPB-Octyl 0.25(mm) |
| 580-88908-31 | | 10/03/2019 19:49 | 5 | 580-88908-a-31-c.d | SPB-Octyl 0.25(mm) |
| 580-88908-32 | | 10/03/2019 20:51 | 5 | 580-88908-a-32-c.d | SPB-Octyl 0.25(mm) |

## Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Continuing Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start Mass Res: | 10:49 | WL #: | 13282 | CS3 Filename: | d41910031 | Inst/ Date: | D79 10/3/19 | Job #'s: 580-88908 |
| End Mass Res: | 21:56 | AD II Batches: | 34146 | | | ICAL Event# | 2117 | |

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented at both the beginning and end of the 12 hour shift and is data verified as within the 12 hour clock? | | ✓ | | | ✓ |
| 2. Were all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 3. Was the mass resolution scanned and attached to the corresponding WDMCCV? | | ✓ | | | ✓ |
| 4. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792) and ≥10,000 in the center of each m/z range for the PFK masses as listed in the SOP or ≥10,000 in the center of each m/z range for the FC43 masses as listed in the SOP. | | ✓ | | | ✓ |
| 5. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 6. Were the date and time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Were the MID switch points set to encompass the retention time windows of each congener group? | | ✓ | | | ✓ |
| 8. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187? | | ✓ | | | ✓ |
| 9. Did the PCB co-elution 156/157 co-max within 2 sec at peak max on the SPB-octyl? | | ✓ | | | ✓ |
| 10. Was the continuing calibration performed at the beginning of the 12 hour period after successful mass resolution and GC resolution performance check? | | ✓ | | | ✓ |
| 11. Was the %D for all Toxic analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 81, 77, 123, 118, 114, 105, 126, 167, 156, 157, 169, 189) Was the %D for all LOC analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 1, 3, 4, 15, 19, 37, 54, 104, 155, 188, 202, 205, 206, 208, 209) | | ✓ | | | ✓ |
| 12. Was the %D for all non-toxic/non-LOC analytes within ± 30% (for all versions of 1668)? | | ✓ | | | ✓ |
| 13. Were the response factors calculated for each labeled standard and unlabeled target analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 14. Were the absolute retention times of all labeled IDAs within ± 15 seconds of the retention times obtained during initial calibration? | | ✓ | | | ✓ |
| 15. Are %D within ± 50% for all labeled IDAs (for 1668A/B) or -50/+45% (for 1668C) in the calibration? | | ✓ | | | ✓ |
| 16. Are the %D within ± 50% for all labeled field surrogates (for all versions of 1668) in the calibration? | | ✓ | | | ✓ |
| 17. Are the %D within -40/+30% (for 1668A/B) or ± 25% (for 1668C) for all labeled surrogates in the calibration? **Note: for 1668C, PCB28L's lower limit can extend to -35%D.** | | ✓ | | | ✓ |
| 18. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards? | | ✓ | | | ✓ |
| 19. Are RRTs of all unlabled toxic/LOC analytes within their respective RRT limits? | | ✓ | | | ✓ |
| 20. If manual integrations were performed, are they clearly identified in the AD II batch with the analyst, date and reason? | | ✓ | | | ✓ |
| 21. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 22. Do the AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

**Analyst:** [signature] **Date:** 10/3/19

**Comments:**

**2nd Level Reviewer:** [signature] **Date:** 10-3-19

**Comments:**

**Eurofins/TestAmerica Knoxville PCB Batch Data Review Checklist**
**Method 1668 - KNOX-ID-0013-R17**

WL #: 13282
ADII Batch #(s): 34146
Job #(s): 580-88908

| Review Items | N/A | Yes | No | Why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the correct ICAL used for quantitation? (Check the ICAL event number in every sample and CCV.) | | ✓ | | ICAL Event # 7117 | ✓ |
| 2. Have the appropriate checklists been completed for the Work List? | | ✓ | | | ✓ |
| 3. Were all special project requirements met (checked in backlog report and in AD II)? | | ✓ | | | ✓ |
| 4. DoD requirements met? | ✓ | | | ☐ NCM#140-11724: Add to Case Narrative if Manual Integrations Performed<br>☐ Narrate reasons for multiple analyses of samples | ✓ |
| 5. Were the prep factors and dilution factors verified in AD II? | | ✓ | | ☐ Dilution-Respike IDA (NCM#_____) | ✓ |
| 6. Sample analyses done within preparation and analytical holding time (Check for H-flag in sample result in AD II)? | | ✓ | | ☐ Holding Time-Initial Analysis (NCM#_____)<br>☐ Holding Time-Reanalysis (NCM#_____) | ✓ |
| 7. Are IDAs, surrogates and field surrogates (if applicable) within QC limits? | | ✓ | | ☐ IDA-Low-S/N 10:1 (NCM#_____)<br>☐ IDA-High-Isotope Dilution (NCM#_____) | ✓ |
| 8. Are IDAs, surrogates and field surrogate (if applicable) ion abundance ratios within limits? | | X | ✓ | ☆(NCM# 140-19974)<br>Samples 580-88908-A-27,31 | ✓ |
| 9. Were peaks ≥2.5 S/N, which did not meet one or more of the criteria listed in section 12.1 of the SOP calculated and reported as EMPCs? | | ✓ | | MD 10/4/19 | ✓ |
| 10. Are positive results within calibration range? | | ✓ | | ☐ ICAL-Range Exceed;No Sat. (NCM#_____) | ✓ |
| 11. Are all non-detects that are G-qualified narrated? | | ✓ | | ☐ (NCM#_____) | ✓ |
| 12. Are all manual integrations documented with analyst ID, reason and date in AD II? | | ✓ | | | ✓ |
| 13. Are all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 14. Final report acceptable (1. Job Data Review was checked and all CCV's, QC, and samples are turned to 2nd level, 2. The narrative was checked in Supervisor Desktop for all deviations and grammar errors, and 3. All QC links were verified and at least one sample from every job is linked to the ICAL)? | | ✓ | | | ✓ |
| 15. LCS done per prep batch and all LCS/LCSD recoveries and RPDs within QC limits? | | ✓* | | ☐ LCS/LCSD-%R High (NCM#_____)<br>☐ LCS/LCSD-Insuff. Sample (NCM#_____) | ✓ |
| 16. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence? | | ✓* | | | ✓ |
| 17. Are all analytes present in the method blank ≤ EML or within the specific program requirements? | | ✓ | | ☐ Method Blank-Report, 10X (NCM#_____)<br>☐ Method Blank-Report ND (NCM#_____)<br>☐ Method Blank-Insuff. Sample NCM#_____) | ✓ |

1st Level Reviewed by: JW/LM Date: 10/3/19

Comments:

* See NCM 140-19964 for 1/5 m MB/LCS.

2nd Level Reviewed by: LM MM/ID Date: 10/4/19

Comments:

# HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Start Date: 10/03/2019 22:32

Analysis Batch Number: 34168  End Date: 10/04/2019 06:01

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| WDMCCV 140-34168/1 | | 10/03/2019 22:32 | 1 | d4191003s2.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 10/04/2019 01:54 | 5 | | SPB-Octyl 0.25(mm) |
| 580-88908-33 | | 10/04/2019 02:55 | 5 | 580-88908-a-33-c.d | SPB-Octyl 0.25(mm) |
| 580-88908-34 | | 10/04/2019 03:57 | 5 | 580-88908-a-34-c.d | SPB-Octyl 0.25(mm) |
| 580-88908-35 | | 10/04/2019 04:59 | 5 | 580-88908-a-35-c.d | SPB-Octyl 0.25(mm) |
| 580-88908-36 | | 10/04/2019 06:01 | 5 | 580-88908-a-36-c_191004060131.d | SPB-Octyl 0.25(mm) |

# Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Continuing Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start Mass Res: | 21:56 | WL #: | 13295 | CS3 Filename: | d419100352 | Inst/ Date: | D30 10-4-19 | Job #'s: |
| End Mass Res: | 8:42 | AD II Batches: | 34168 | | | ICAL Event# | 2117 | 580-88908 |

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented at both the beginning and end of the 12 hour shift and is data verified as within the 12 hour clock? | | ✓ | | | ✓ |
| 2. Were all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 3. Was the mass resolution scanned and attached to the corresponding WDMCCV? | | ✓ | | | ✓ |
| 4. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792) and ≥10,000 in the center of each m/z range for the PFK masses as listed in the SOP or ≥10,000 in the center of each m/z range for the FC43 masses as listed in the SOP. | | ✓ | | | ✓ |
| 5. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 6. Were the date and time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Were the MID switch points set to encompass the retention time windows of each congener group? | | ✓ | | | ✓ |
| 8. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187? | | ✓ | | | ✓ |
| 9. Did the PCB co-elution 156/157 co-max within 2 sec at peak max on the SPB-octyl? | | ✓ | | | ✓ |
| 10. Was the continuing calibration performed at the beginning of the 12 hour period after successful mass resolution and GC resolution performance check? | | ✓ | | | ✓ |
| 11. Was the %D for all Toxic analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 81, 77, 123, 118, 114, 105, 126, 167, 156, 157, 169, 189) Was the %D for all LOC analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 1, 3, 4, 15, 19, 37, 54, 104, 155, 188, 202, 205, 206, 208, 209) | | ✓ | | | ✓ |
| 12. Was the %D for all non-toxic/non-LOC analytes within ± 30% (for all versions of 1668)? | | ✓ | | | ✓ |
| 13. Were the response factors calculated for each labeled standard and unlabeled target analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 14. Were the absolute retention times of all labeled IDAs within ± 15 seconds of the retention times obtained during initial calibration? | | ✓ | | | ✓ |
| 15. Are %D within ± 50% for all labeled IDAs (for 1668A/B) or -50/+45% (for 1668C) in the calibration? | | ✓ | | | ✓ |
| 16. Are the %D within ± 50% for all labeled field surrogates (for all versions of 1668) in the calibration? | | ✓ | | | ✓ |
| 17. Are the %D within -40/+30% (for 1668A/B) or ± 25% (for 1668C) for all labeled surrogates in the calibration? **Note: for 1668C, PCB28L's lower limit can extend to -35%D.** | | ✓ | | | ✓ |
| 18. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards? | | ✓ | | | ✓ |
| 19. Are RRTs of all unlabled toxic/LOC analytes within their respective RRT limits? | | ✓ | | | ✓ |
| 20. If manual integrations were performed, are they clearly identified in the AD II batch with the analyst, date and reason? | | ✓ | | | ✓ |
| 21. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 22. Do the AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

**Analyst:** LKA **Date:** 10-4-19

**Comments:**

**2nd Level Reviewer :** [signature] **Date:** 10-4-19

**Comments:**

**Eurofins/TestAmerica Knoxville PCB Batch Data Review Checklist**
**Method 1668 - KNOX-ID-0013-R17**

WL #: 13295
ADII Batch #(s): 34168
Job #(s): 580 - 88908

| Review Items | N/A | Yes | No | Why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the correct ICAL used for quantitation? (Check the ICAL event number in every sample and CCV.) | | ✓ | | ICAL Event # 2117 | ✓ |
| 2. Have the appropriate checklists been completed for the Work List? | | ✓ | | | ✓ |
| 3. Were all special project requirements met (checked in backlog report and in AD II)? | | ✓ | | | ✓ |
| 4. DoD requirements met? | ✓ | | | ☐ NCM#140-11724: Add to Case Narrative if Manual Integrations Performed<br>☐ Narrate reasons for multiple analyses of samples | ✓ |
| 5. Were the prep factors and dilution factors verified in AD II? | | ✓ | | ☐ **Dilution-Respike IDA** (NCM#_____) | ✓ |
| 6. Sample analyses done within preparation and analytical holding time (Check for H-flag in sample result in AD II)? | | ✓ | | ☐ **Holding Time-Initial Analysis** (NCM#_____)<br>☐ **Holding Time-Reanalysis** (NCM#_____) | ✓ |
| 7. Are IDAs, surrogates and field surrogates (if applicable) within QC limits? | | ✓ | | ☐ **IDA-Low-S/N 10:1** (NCM#_____)<br>☐ **IDA-High-Isotope Dilution** (NCM#_____) | ✓ |
| 8. Are IDAs, surrogates and field surrogate (if applicable) ion abundance ratios within limits? KM 10-4-19 | | ✓ | | ☒ (NCM# ~~19973~~ DD 10/4/19 All OK | ✓ |
| 9. Were peaks ≥2.5 S/N, which did not meet one or more of the criteria listed in section 12.1 of the SOP calculated and reported as EMPCs? | | ✓ | | | ✓ |
| 10. Are positive results within calibration range? | | ✓ | | ☐ **ICAL-Range Exceed;No Sat.** (NCM#_____) | ✓ |
| 11. Are all non-detects that are G-qualified narrated? | | ✓ | | ☒ (NCM# 19973) #35 | ✓ |
| 12. Are all manual integrations documented with analyst ID, reason and date in AD II? | | ✓ | | | ✓ |
| 13. Are all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 14. Final report acceptable (1. Job Data Review was checked and all CCV's, QC, and samples are turned to 2nd level, 2. The narrative was checked in Supervisor Desktop for all deviations and grammar errors, and 3. All QC links were verified and at least one sample from every job is linked to the ICAL)? | | ✓ | | | ✓ |
| 15. LCS done per prep batch and all LCS/LCSD recoveries and RPDs within QC limits? | | ✓ | | ☐ **LCS/LCSD-%R High** (NCM#_____)<br>☐ **LCS/LCSD-Insuff. Sample** (NCM#_____) | ✓ |
| 16. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence? | | ✓ | | | ✓ |
| 17. Are all analytes present in the method blank ≤ EML or within the specific program requirements? | | ✓ | | ☐ **Method Blank-Report, 10X** (NCM#_____)<br>☐ **Method Blank-Report ND** (NCM#_____)<br>☐ **Method Blank-Insuff. Sample** NCM#_____) | ✓ |

1st Level Reviewed by: KM Date: 10-4-19
Comments:
(All samples & QC run at 1/5 dilution for Matrix per client request) (NCM# 19964) Data is preliminary only

2nd Level Reviewed by: DD Date: 10/4/19
Comments:

HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Start Date: 10/09/2019 13:16

Analysis Batch Number: 34298 End Date: 10/09/2019 22:56

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| WDMCCV 140-34298/1 | | 10/09/2019 13:16 | 1 | d4191009s1.d | SPB-Octyl 0.25(mm) |
| LCS 140-34150/13-B | | 10/09/2019 14:41 | 1 | lcs140-3415013-b.d | SPB-Octyl 0.25(mm) |
| MB 140-34150/12-B | | 10/09/2019 16:44 | 1 | mb140-3415012-b.d | SPB-Octyl 0.25(mm) |
| 580-88908-28 RE | | 10/09/2019 17:46 | 1 | 580-88908-a-28-f.d | SPB-Octyl 0.25(mm) |
| 580-88908-29 RE | | 10/09/2019 18:48 | 1 | 580-88908-a-29-f.d | SPB-Octyl 0.25(mm) |
| 580-88908-36 RE | | 10/09/2019 19:50 | 1 | 580-88908-a-36-f.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 10/09/2019 20:52 | 1 | | SPB-Octyl 0.25(mm) |
| 580-88908-27 RE | | 10/09/2019 21:54 | 1 | 580-88908-a-27-f.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 10/09/2019 22:56 | 1 | | SPB-Octyl 0.25(mm) |

## Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Continuing Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start Mass Res: | 12:45 | WL #: | 13340 | CS3 Filename: | d41910095l | Inst/ Date: | D3D 10-9-19 | Job #'s: 580-88908 |
| End Mass Res: | 00:14 | AD II Batches: | 34298 | | | ICAL Event# | 2117 | |

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented at both the beginning and end of the 12 hour shift and is data verified as within the 12 hour clock? | | ✓ | | | ✓ |
| 2. Were all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 3. Was the mass resolution scanned and attached to the corresponding WDMCCV? | | ✓ | | | ✓ |
| 4. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792) and ≥10,000 in the center of each m/z range for the PFK masses as listed in the SOP or ≥10,000 in the center of each m/z range for the FC43 masses as listed in the SOP. | | ✓ | | | ✓ |
| 5. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 6. Were the date and time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Were the MID switch points set to encompass the retention time windows of each congener group? | | ✓ | | | ✓ |
| 8. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187? | | ✓ | | | ✓ |
| 9. Did the PCB co-elution 156/157 co-max within 2 sec at peak max on the SPB-octyl? | | ✓ | | | ✓ |
| 10. Was the continuing calibration performed at the beginning of the 12 hour period after successful mass resolution and GC resolution performance check? | | ✓ | | | ✓ |
| 11. Was the %D for all Toxic analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 81, 77, 123, 118, 114, 105, 126, 167, 156, 157, 169, 189) Was the %D for all LOC analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 1, 3, 4, 15, 19, 37, 54, 104, 155, 188, 202, 205, 206, 208, 209) | | ✓ | | | ✓ |
| 12. Was the %D for all non-toxic/non-LOC analytes within ± 30% (for all versions of 1668)? | | ✓ | | | ✓ |
| 13. Were the response factors calculated for each labeled standard and unlabeled target analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 14. Were the absolute retention times of all labeled IDAs within ± 15 seconds of the retention times obtained during initial calibration? | | ✓ | | | ✓ |
| 15. Are %D within ± 50% for all labeled IDAs (for 1668A/B) or -50/+45% (for 1668C) in the calibration? | | ✓ | | | ✓ |
| 16. Are the %D within ± 50% for all labeled field surrogates (for all versions of 1668) in the calibration? | | ✓ | | | ✓ |
| 17. Are the %D within -40/+30% (for 1668A/B) or ± 25% (for 1668C) for all labeled surrogates in the calibration? **Note: for 1668C, PCB28L's lower limit can extend to -35%D.** | | ✓ | | | ✓ |
| 18. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards? | | ✓ | | | ✓ |
| 19. Are RRTs of all unlabled toxic/LOC analytes within their respective RRT limits? | | ✓ | | | ✓ |
| 20. If manual integrations were performed, are they clearly identified in the AD II batch with the analyst, date and reason? | | ✓ | | | ✓ |
| 21. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 22. Do the AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

Analyst: MID Date: 10/9/19

Comments:

2nd Level Reviewer: [signature] Date: 10-10-19

Comments:

**Eurofins/TestAmerica Knoxville PCB Batch Data Review Checklist**
**Method 1668 - KNOX-ID-0013-R17**

WL #: 13340
ADII Batch #(s): 34298
Job #(s): 580-88908

| Review Items | N/A | Yes | No | Why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the correct ICAL used for quantitation? (Check the ICAL event number in every sample and CCV.) | | ✓ | | ICAL Event # 2117 | ✓ |
| 2. Have the appropriate checklists been completed for the Work List? | | ✓ | | | ✓ |
| 3. Were all special project requirements met (checked in backlog report and in AD II)? | | ✓ | | | ✓ |
| 4. DoD requirements met? | ✓ | | | ☐ NCM#140-11724: Add to Case Narrative if Manual Integrations Performed<br>☐ Narrate reasons for multiple analyses of samples | ✓ |
| 5. Were the prep factors and dilution factors verified in AD II? | | ✓ | | ☐ **Dilution-Respike IDA** (NCM#_____) | |
| 6. Sample analyses done within preparation and analytical holding time (Check for H-flag in sample result in AD II)? | | ✓ | | ☐ **Holding Time-Initial Analysis** (NCM#_____)<br>☐ **Holding Time-Reanalysis** (NCM#_____) | ✓ |
| 7. Are IDAs, surrogates and field surrogates (if applicable) within QC limits? | | ✓ | | ☐ **IDA-Low-S/N 10:1** (NCM#_____)<br>☐ **IDA-High-Isotope Dilution** (NCM#_____) | ✓ |
| 8. Are IDAs, surrogates and field surrogate (if applicable) ion abundance ratios within limits? | | ✓ | | ☐ (NCM#_____) | ✓ |
| 9. Were peaks ≥2.5 S/N, which did not meet one or more of the criteria listed in section 12.1 of the SOP calculated and reported as EMPCs? | | ✓ | | | ✓ |
| 10. Are positive results within calibration range? | | ✓ | | ☐ **ICAL-Range Exceed;No Sat.** (NCM#_____) | ✓ |
| 11. Are all non-detects that are G-qualified narrated? | | ✓ | | ☒ (NCM# 20069) (1) | ✓ |
| 12. Are all manual integrations documented with analyst ID, reason and date in AD II? | | | | | ✓ |
| 13. Are all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 14. Final report acceptable (1. Job Data Review was checked and all CCV's, QC, and samples are turned to 2nd level, 2. The narrative was checked in Supervisor Desktop for all deviations and grammar errors, and 3. All QC links were verified and at least one sample from every job is linked to the ICAL)? | | ✓ | | | ✓ |
| 15. LCS done per prep batch and all LCS/LCSD recoveries and RPDs within QC limits? | | ✓ | | ☐ **LCS/LCSD-%R High** (NCM#_____)<br>☐ **LCS/LCSD-Insuff. Sample** (NCM#_____) | ✓ |
| 16. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence? | | ✓ | | | ✓ |
| 17. Are all analytes present in the method blank ≤ EML or within the specific program requirements? | | ✓ | | ☐ **Method Blank-Report, 10X** (NCM#_____)<br>☐ **Method Blank-Report ND** (NCM#_____)<br>☐ **Method Blank-Insuff. Sample** NCM#_____) | ✓ |

1st Level Reviewed by: LK Date: 10-10-19

Comments:

(1) 580-88908-A-27-F

2nd Level Reviewed by: [signature] Date: 10-10-19

Comments:

HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D Start Date: 10/10/2019 00:50

Analysis Batch Number: 34314 End Date: 10/10/2019 10:16

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| WDMCCV 140-34314/1 | | 10/10/2019 00:50 | 1 | d4191010s1.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 10/10/2019 03:02 | 1 | | SPB-Octyl 0.25(mm) |
| 580-88908-26 RE | | 10/10/2019 04:06 | 5 | 580-88908-a-26-f_191010040627.d | SPB-Octyl 0.25(mm) |
| 580-88908-30 RE | | 10/10/2019 05:07 | 5 | 580-88908-a-30-f_191010050705.d | SPB-Octyl 0.25(mm) |
| 580-88908-31 RE | | 10/10/2019 06:10 | 1 | 580-88908-a-31-f.d | SPB-Octyl 0.25(mm) |
| 580-88908-32 RE | | 10/10/2019 07:11 | 1 | 580-88908-a-32-f.d | SPB-Octyl 0.25(mm) |
| 580-88908-33 RE | | 10/10/2019 08:13 | 1 | 580-88908-a-33-f.d | SPB-Octyl 0.25(mm) |
| 580-88908-34 RE | | 10/10/2019 09:14 | 1 | 580-88908-a-34-f.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 10/10/2019 10:16 | 1 | | SPB-Octyl 0.25(mm) |

# Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Continuing Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Start Mass Res: | 00:14 | WL #: | 13345 | CS3 Filename: | d4 19101051 | Inst/ Date: | 030 10-10-19 |
| End Mass Res: | 11:41 | AD II Batches: | 34314 | | | ICAL Event# | 2117 |

Job #'s: 580-88908

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented at both the beginning and end of the 12 hour shift and is data verified as within the 12 hour clock? | | ✓ | | | ✓ |
| 2. Were all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 3. Was the mass resolution scanned and attached to the corresponding WDMCCV? | | ✓ | | | ✓ |
| 4. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792) and ≥10,000 in the center of each m/z range for the PFK masses as listed in the SOP or ≥10,000 in the center of each m/z range for the FC43 masses as listed in the SOP. | | ✓ | | | ✓ |
| 5. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 6. Were the date and time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Were the MID switch points set to encompass the retention time windows of each congener group? | | ✓ | | | ✓ |
| 8. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187? | | ✓ | | | ✓ |
| 9. Did the PCB co-elution 156/157 co-max within 2 sec at peak max on the SPB-octyl? | | ✓ | | | ✓ |
| 10. Was the continuing calibration performed at the beginning of the 12 hour period after successful mass resolution and GC resolution performance check? | | ✓ | | | ✓ |
| 11. Was the %D for all Toxic analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 81, 77, 123, 118, 114, 105, 126, 167, 156, 157, 169, 189) Was the %D for all LOC analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 1, 3, 4, 15, 19, 37, 54, 104, 155, 188, 202, 205, 206, 208, 209) | | ✓ | | | ✓ |
| 12. Was the %D for all non-toxic/non-LOC analytes within ± 30% (for all versions of 1668)? | | ✓ | | | ✓ |
| 13. Were the response factors calculated for each labeled standard and unlabeled target analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 14. Were the absolute retention times of all labeled IDAs within ± 15 seconds of the retention times obtained during initial calibration? | | ✓ | | | ✓ |
| 15. Are %D within ± 50% for all labeled IDAs (for 1668A/B) or -50/+45% (for 1668C) in the calibration? | | ✓ | | | ✓ |
| 16. Are the %D within ± 50% for all labeled field surrogates (for all versions of 1668) in the calibration? | | ✓ | | | ✓ |
| 17. Are the %D within -40/+30% (for 1668A/B) or ± 25% (for 1668C) for all labeled surrogates in the calibration? **Note: for 1668C, PCB28L's lower limit can extend to -35%D.** | | ✓ | | | ✓ |
| 18. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards? | | ✓ | | | ✓ |
| 19. Are RRTs of all unlabled toxic/LOC analytes within their respective RRT limits? | | ✓ | | | ✓ |
| 20. If manual integrations were performed, are they clearly identified in the AD II batch with the analyst, date and reason? | | ✓ | | | ✓ |
| 21. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 22. Do the AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

Analyst: [signature] Date: 10-10-19

Comments:

2nd Level Reviewer: [signature] Date: 10-10-19

Comments:

**Eurofins/TestAmerica Knoxville PCB Batch Data Review Checklist**
**Method 1668 - KNOX-ID-0013-R17**

WL #: 13345
ADII Batch #(s): 34314
Job #(s): 580-88908

| Review Items | N/A | Yes | No | Why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the correct ICAL used for quantitation? (Check the ICAL event number in every sample and CCV.) | | ✓ | | ICAL Event # 2117 | ✓ |
| 2. Have the appropriate checklists been completed for the Work List? | | ✓ | | | ✓ |
| 3. Were all special project requirements met (checked in backlog report and in AD II)? | | ✓ | | | ✓ |
| 4. DoD requirements met? | | ✓ | | ☐ NCM#140-11724: Add to Case Narrative if Manual Integrations Performed<br>☐ Narrate reasons for multiple analyses of samples | ✓ |
| 5. Were the prep factors and dilution factors verified in AD II? | | ✓ | | ☐ **Dilution-Respike IDA** (NCM#_____) | ✓ |
| 6. Sample analyses done within preparation and analytical holding time (Check for H-flag in sample result in AD II)? | | ✓ | | ☐ **Holding Time-Initial Analysis** (NCM#_____)<br>☐ **Holding Time-Reanalysis** (NCM#_____) | ✓ |
| 7. Are IDAs, surrogates and field surrogates (if applicable) within QC limits? | | ✓ | | ☐ **IDA-Low-S/N 10:1** (NCM#_____)<br>☐ **IDA-High-Isotope Dilution** (NCM#_____) | ✓ |
| 8. Are IDAs, surrogates and field surrogate (if applicable) ion abundance ratios within limits? | | ✓ | | ☐ (NCM#_____) | ✓ |
| 9. Were peaks ≥2.5 S/N, which did not meet one or more of the criteria listed in section 12.1 of the SOP calculated and reported as EMPCs? | | ✓ | | | ✓ |
| 10. Are positive results within calibration range? | | ✓ | | ☐ **ICAL-Range Exceed;No Sat.** (NCM#_____) | ✓ |
| 11. Are all non-detects that are G-qualified narrated? | | ✓ | | ☒ (NCM# 140-29080 | ✓ |
| 12. Are all manual integrations documented with analyst ID, reason and date in AD II? | | ✓ | | #31 | ✓ |
| 13. Are all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 14. Final report acceptable (1. Job Data Review was checked and all CCV's, QC, and samples are turned to 2nd level, 2. The narrative was checked in Supervisor Desktop for all deviations and grammar errors, and 3. All QC links were verified and at least one sample from every job is linked to the ICAL)? | | ✓ | | | ✓ |
| 15. LCS done per prep batch and all LCS/LCSD recoveries and RPDs within QC limits? | | ✓ | | ☐ **LCS/LCSD-%R High** (NCM#_____)<br>☐ **LCS/LCSD-Insuff. Sample** (NCM#_____) | ✓ |
| 16. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence? | | ✓ | | | ✓ |
| 17. Are all analytes present in the method blank ≤ EML or within the specific program requirements? | | ✓ | | ☐ **Method Blank-Report, 10X** (NCM#_____)<br>☐ **Method Blank-Report ND** (NCM#_____)<br>☐ **Method Blank-Insuff. Sample** NCM#_____) | ✓ |

1st Level Reviewed by: [signature] Date: 10/10/19

Comments:

Sample 26, 30 diluted 5-fold due to matrix & level.

2nd Level Reviewed by: [signature] Date: 10-10-19

Comments:

# HI-RES PCBS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Instrument ID: D3D  Start Date: 10/11/2019 12:49

Analysis Batch Number: 34365  End Date: 10/11/2019 16:00

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---|---|---|---|---|---|
| WDMCCV 140-34365/1 | | 10/11/2019 12:49 | 1 | d4191011s2.d | SPB-Octyl 0.25(mm) |
| ZZZZZ | | 10/11/2019 14:58 | 1 | | SPB-Octyl 0.25(mm) |
| 580-88908-35 RE | | 10/11/2019 16:00 | 5 | 580-88908-a-35-fa_191011160059.d | SPB-Octyl 0.25(mm) |

## Eurofins/TestAmerica Knoxville Specialty Organics Group GC/MS Continuing Calibration Data Review Checklist
## Method 1668 or SOP Number: KNOX-ID-0013 Revision 17

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start Mass Res: | 10:28 | WL #: | 13360 | CS3 Filename: | d41910115 | Inst/ Date: | D3D 10/11/19 | Job #'s: 580-88908 |
| End Mass Res: | 17:04 | AD II Batches: | 34365 | | | ICAL Event# | 2117 | |

| Review Items | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Was the mass resolution documented at both the beginning and end of the 12 hour shift and is data verified as within the 12 hour clock? | | ✓ | | | ✓ |
| 2. Were all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 3. Was the mass resolution scanned and attached to the corresponding WDMCCV? | | ✓ | | | ✓ |
| 4. Was the instrument resolution ≥8,000 throughout (≥ 10,000 for m/z 342.9792) and ≥10,000 in the center of each m/z range for the PFK masses as listed in the SOP or ≥10,000 in the center of each m/z range for the FC43 masses as listed in the SOP. | | ✓ | | | ✓ |
| 5. Were the measured exact masses listed above within 5 ppm at reduced accelerating voltage? | | ✓ | | | ✓ |
| 6. Were the date and time of analysis verified as correct? | | ✓ | | | ✓ |
| 7. Were the MID switch points set to encompass the retention time windows of each congener group? | | ✓ | | | ✓ |
| 8. Was the valley height less than 40% of the height of the shorter of the two peaks for the pair PCB 23 and PCB 34, and the pair PCB 182 and PCB 187? | | ✓ | | | ✓ |
| 9. Did the PCB co-elution 156/157 co-max within 2 sec at peak max on the SPB-octyl? | | ✓ | | | ✓ |
| 10. Was the continuing calibration performed at the beginning of the 12 hour period after successful mass resolution and GC resolution performance check? | | ✓ | | | ✓ |
| 11. Was the %D for all Toxic analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 81, 77, 123, 118, 114, 105, 126, 167, 156, 157, 169, 189) Was the %D for all LOC analytes within ± 30% for 1668A/B and ± 25% for 1668C? (PCB 1, 3, 4, 15, 19, 37, 54, 104, 155, 188, 202, 205, 206, 208, 209) | | ✓ | | | ✓ |
| 12. Was the %D for all non-toxic/non-LOC analytes within ± 30% (for all versions of 1668)? | | ✓ | | | ✓ |
| 13. Were the response factors calculated for each labeled standard and unlabeled target analyte using the SOP specified reference compound (Table 2), quantitation ions (Table 8), and formula (10.3.4.2)? | | ✓ | | | ✓ |
| 14. Were the absolute retention times of all labeled IDAs within ± 15 seconds of the retention times obtained during initial calibration? | | ✓ | | | ✓ |
| 15. Are %D within ± 50% for all labeled IDAs (for 1668A/B) or -50/+45% (for 1668C) in the calibration? | | ✓ | | | ✓ |
| 16. Are the %D within ± 50% for all labeled field surrogates (for all versions of 1668) in the calibration? | | ✓ | | | ✓ |
| 17. Are the %D within -40/+30% (for 1668A/B) or ± 25% (for 1668C) for all labeled surrogates in the calibration? **Note: for 1668C, PCB28L's lower limit can extend to -35%D.** | | ✓ | | | ✓ |
| 18. Are all S/N ratios ≥10 for the GC signals in each EICP (extracted ion chromatographic profile) including internal standards? | | ✓ | | | ✓ |
| 19. Are RRTs of all unlabled toxic/LOC analytes within their respective RRT limits? | | ✓ | | | ✓ |
| 20. If manual integrations were performed, are they clearly identified in the AD II batch with the analyst, date and reason? | | ✓ | | | ✓ |
| 21. If criteria were not met, was a NCM generated? | ✓ | | | | ✓ |
| 22. Do the AD II batches contain a completed checklist for this work list? | | ✓ | | | ✓ |

**Analyst:** [signature] **Date:** 10/11/19

**Comments:**

**2nd Level Reviewer:** [signature] **Date:** 10-13-19

**Comments:**

**Eurofins/TestAmerica Knoxville PCB Batch Data Review Checklist**
**Method 1668 - KNOX-ID-0013-R17**

WL #: 133100
ADII Batch #(s): 34365
Job #(s): 580-88908

| Review Items | N/A | Yes | No | Why is data reportable? | 2nd √ |
|---|---|---|---|---|---|
| 1. Was the correct ICAL used for quantitation? (Check the ICAL event number in every sample and CCV.) | | ✓ | | ICAL Event # 2117 | ✓ |
| 2. Have the appropriate checklists been completed for the Work List? | | ✓ | | | ✓ |
| 3. Were all special project requirements met (checked in backlog report and in AD II)? | | ✓ | | | ✓ |
| 4. DoD requirements met? | ✓ | | | ☐ NCM#140-11724: Add to Case Narrative if Manual Integrations Performed<br>☐ Narrate reasons for multiple analyses of samples | ✓ |
| 5. Were the prep factors and dilution factors verified in AD II? | | ✓ | | ☐ **Dilution-Respike IDA** (NCM#_____) | ✓ |
| 6. Sample analyses done within preparation and analytical holding time (Check for H-flag in sample result in AD II)? | | ✓ | | ☐ **Holding Time-Initial Analysis** (NCM#_____)<br>☐ **Holding Time-Reanalysis** (NCM#_____) | ✓ |
| 7. Are IDAs, surrogates and field surrogates (if applicable) within QC limits? | | ✓ | | ☐ **IDA-Low-S/N 10:1** (NCM#_____)<br>☐ **IDA-High-Isotope Dilution** (NCM#_____) | ✓ |
| 8. Are IDAs, surrogates and field surrogate (if applicable) ion abundance ratios within limits? | | ✓ | | ☐ (NCM#_____) | ✓ |
| 9. Were peaks ≥2.5 S/N, which did not meet one or more of the criteria listed in section 12.1 of the SOP calculated and reported as EMPCs? | | ✓ | | | ✓ |
| 10. Are positive results within calibration range? | | ✓ | | ☐ **ICAL-Range Exceed;No Sat.** (NCM#_____) | ✓ |
| 11. Are all non-detects that are G-qualified narrated? | ✓ | | | ☐ (NCM#_____) | ✓ |
| 12. Are all manual integrations documented with analyst ID, reason and date in AD II? | | ✓ | | | ✓ |
| 13. Are all graphics uploaded to AD II? | | ✓ | | | ✓ |
| 14. Final report acceptable (1. Job Data Review was checked and all CCV's, QC, and samples are turned to 2nd level, 2. The narrative was checked in Supervisor Desktop for all deviations and grammar errors, and 3. All QC links were verified and at least one sample from every job is linked to the ICAL)? | | ✓ | | | ✓ |
| 15. LCS done per prep batch and all LCS/LCSD recoveries and RPDs within QC limits? | | ✓ | | ☐ **LCS/LCSD-%R High** (NCM#_____)<br>☐ **LCS/LCSD-Insuff. Sample** (NCM#_____) | ✓ |
| 16. Method blank done per prep batch and method blank or instrument blank analyzed with each sequence? | | ✓ | | | ✓ |
| 17. Are all analytes present in the method blank ≤ EML or within the specific program requirements? | | ✓ | | ☐ **Method Blank-Report, 10X** (NCM#_____)<br>☐ **Method Blank-Report ND** (NCM#_____)<br>☐ **Method Blank-Insuff. Sample** NCM#_____) | ✓ |

1st Level Reviewed by: [signature] Date: 10/4/19 – 10/13/19

Comments:

2nd Level Reviewed by: [signature] Date: 10/14/19

Comments:

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33603  Batch Start Date: 09/16/19 12:34  Batch Analyst: Ahmed, Syed M

Batch Method: HRMS-Sepf  Batch End Date: 09/23/19 12:40

| Lab Sample ID | Client Sample ID | Method Chain | Basis | GrossWeight | TareWeight | InitialAmount | FinalAmount | 61CS1668WRK 00017 | 61ID1668WRK 00022 |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-74 | 711-82719 | HRMS-Sepf, 1668A | T | 1508.2 g | 505.5 g | 1002.7 mL | 20 uL | 200 uL | 200 uL |
| MB 140-33603/10 | | HRMS-Sepf, 1668A | | | | 1000 mL | 20 uL | 200 uL | 200 uL |
| LCS 140-33603/11 | | HRMS-Sepf, 1668A | | | | 1000 mL | 20 uL | 200 uL | 200 uL |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | 61RS1668WRK 00016 | 61SP1668WRK 00004 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-74 | 711-82719 | HRMS-Sepf, 1668A | T | 20 uL | | | | | |
| MB 140-33603/10 | | HRMS-Sepf, 1668A | | 20 uL | | | | | |
| LCS 140-33603/11 | | HRMS-Sepf, 1668A | | 20 uL | 200 uL | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33603  Batch Start Date: 09/16/19 12:34  Batch Analyst: Ahmed, Syed M

Batch Method: HRMS-Sepf  Batch End Date: 09/23/19 12:40

| Batch Notes | |
|---|---|
| Acid Silica ID | 249942 |
| Balance ID | d3 |
| Analyst ID - Concentration | VGC |
| Deactivated Silica ID | 251163 |
| GPC ID | gpc1 |
| GPC Analyst | ajr/abh |
| GPC Date | 09/17/2019 |
| Hexane ID | 248089 |
| MeCL2 ID | 235118 |
| Na2SO4 ID | 246458,249944 |
| Analyst ID - IDA Reagent Drop | sa |
| Analyst ID - IDA Reagent Drop Witness | sa |
| Analyst ID - IS Reagent Drop | SDO |
| Analyst ID - IS Reagent Drop Witness | SDO |
| Analyst ID - SU Reagent Drop | als |
| Analyst ID - SU Reagent Drop Witness | ajr |
| Analyst ID - TA Reagent Drop | sa |
| Analyst ID - TA Reagent Drop Witness | sa |
| Silica Gel C/U analyst | SDO |
| Silica Gel C/U Date | 09/20/2019 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# TestAmerica Knoxville Extraction Sheet

## 1668 PCB Congener Aqueous by Separatory Funnel Extraction with GPC Cleanup - KNOX-OP-0021

Batch Number: 33603

TALS Prep Method: ☑ 1668_P_Sep

☐ 1668_P_Sep_DRBC

Delivered: _____ Initials/Date/Time

Received: _____ Initials/Date/Time

| Lab Sample ID | Add sample to sep funnel. | Add 200 µL of 10 ng/mL IS (IDA) to all samples & QC. Record in TALS. | Add 200 µL of 5 ng/mL native spike (TA) to LCS, LCSD, MS, MSD. Record in TALS. | Extract with methylene chloride. | Concentrate to ≥20 mL on heating mantle. | Concentrate to appropriate volume on N-EVAP. | Add 200 µL of 10 ng/mL cleanup std (SU) to all extracts. Record in TALS. | Perform GPC Cleanup. | Concentrate/exchange to ≥20 mL hexane on heating mantle. | Concentrate to appropriate volume hexane on N-EVAP. | Acid wash extracts (if needed). | Perform Silica Gel Column Cleanup. | Concentrate to ≥20 mL on heating mantle. | Concentrate to ~0.5 to 1 mL on N-EVAP. | Add 20 µL of 100 ng/mL recovery std (IS) to mini-vial. Record in TALS. Transfer extract to vial | Conc to final volume in nonane. Record final volume in TALS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 140-16624-A-1 | ✓ | ✓ | N/A | ✓ | ✓ | ✓ | ✓ | GAC2 | ✓ | ✓ | NA | ✓ | ✓ | ✓ | 20µl | 20µl |
| 580-88908-A-74 | | | | | | | | | | | | | | | | |
| 140-16634-F-1 | | | | | | | | | | | | | | | | |
| 140-16634-A-2 | | | | | | | | | | | | | | | | |
| 140-16634-B-3 | | | | | | | | | | | | | | | | |
| 140-16634-A-4 | | | | | | | | | | | | | | | | |
| 140-16634-B-9 | | | | | | | | | | | | | | | | |
| 140-16634-A-10 | | | | | | | | | | | | | | | | |
| 140-16593-A-1 | | | | | | | | | | | | | | | | |
| MB 140-33603/10 | | | | | | | | | | | | | | | | |
| LCS 140-33603/11 | | | 20u | | | | | | | | | | | | | |
| | SA | | | | | ALS | | ALS/ABN | VLC | SDO | | SDO | SDO | SDO | SDO | SDO |
| | 9/11 | | | | | 9/17 | | 9/17 | 9/18 | 9/19 | | 9/20 | 9/20 | 9/22 | 9/23 | 9/23 |

## Eurofins/TestAmerica Knoxville Prep Batch Review Checklist

**Batch #** 33603

**Split Batch #** _____

| *Review Items* | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Were the samples extracted within the required holding times? | | ✓ | | If No, NCM #: _____ | ✓ |
| 2. Are the final extracts free of water, precipitates, multiple phases, and for HRMS - color? | | ✓ | | | ✓ |
| 3. Were all project specific requirements met? | | ✓ | | | ✓ |
| 4. Were the correct start and completion dates entered into TALS? | | ✓ | | | ✓ |
| 5. Are the spike IDs and volumes correct in TALS for the method? | | ✓ | | | ✓ |
| 6. Does the prep batch paperwork package contain all required documentation which has been properly and completely filled out, including:<br>• Extraction Benchsheet (Excel)<br>• TALS Raw data worksheets<br>• Batch Worksheets (ANLY)<br>• Verify Protocol #'s (compare excel sheet to TALS)<br>• Was the Excel Extraction Benchsheet and Prep Batch Review Checklist scanned and attached to batch in TALS? | | ✓ | | | ✓ |
| 7. Did extracts go through GPC cleanup? Has the following nonconformance been associated with all extracts? | | ✓ | | If Yes, NCM# 140-18550 | ✓ |
| 8. Are all additional nonconformances documented appropriately and copy included with deliverable? | ✓ | | | If Yes, NCM#: _____ | NA |

**Analyst :** SDO **Date:** 9/23/19

**Comments:**

**2nd Level Reviewer:** VLC **Date:** 9/23/19

**Comments:**

# Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 140-33603

Method Code: 140-1668_P_Sep-140

Analyst: Ahmed, Syed M

Batch Open: 9/16/2019 12:34:00PM

Batch End: 9/23/2019 12:40:00PM

10/14/2019

## Separatory Funnel (Liquid-Liquid) Extraction

| | Input Sample Lab ID (Analytical Method) | SDG (Job #) | GrossWt TareWt | InitAmnt FinAmnt | PHs Rcvd | PHs Adj1 | PHs Adj2 | Due Date | Analytical TAT | Dlv Rank | Comments | Output Sample Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 140-16624-A-1 (1668A) | N/A (140-16624-1) | 1462.8 g<br>446.7 g | 1016.1 mL<br>20 uL | | | | 10/8/19 | 18_Days | 4 | | 140-16624-A-1-A |
| 2 | 580-88908-A-74 (1668A) | N/A (580-88908-1) | 1508.2 g<br>505.5 g | 1002.7 mL<br>20 uL | | | | 9/10/19 | 5_Days | 4 | | 580-88908-A-74-A |
| 3 | 140-16634-F-1 (1668A) | N/A (140-16634-1) | 1349.7 g<br>394.2 g | 955.5 mL<br>20 uL | | | | 10/8/19 | 18_Days | 4 | | 140-16634-F-1-A |
| 4 | 140-16634-A-2 (1668A) | N/A (140-16634-1) | 1247.7 g<br>394.5 g | 853.2 mL<br>20 uL | | | | 10/8/19 | 18_Days | 4 | | 140-16634-A-2-A |
| 5 | 140-16634-B-3 (1668A) | N/A (140-16634-1) | 1361.3 g<br>392.7 g | 968.6 mL<br>20 uL | | | | 10/8/19 | 18_Days | 4 | | 140-16634-B-3-A |
| 6 | 140-16634-A-4 (1668A) | N/A (140-16634-1) | 1308.3 g<br>394.8 g | 913.5 mL<br>20 uL | | | | 10/8/19 | 18_Days | 4 | | 140-16634-A-4-A |
| 7 | 140-16634-B-9 (1668A) | N/A (140-16634-1) | 1331.6 g<br>394.2 g | 937.4 mL<br>20 uL | | | | 10/8/19 | 18_Days | 4 | | 140-16634-B-9-A |
| 8 | 140-16634-A-10 (1668A) | N/A (140-16634-1) | 1321.2 g<br>395.5 g | 925.7 mL<br>20 uL | | | | 10/8/19 | 18_Days | 4 | | 140-16634-A-10-A |
| 9 | 140-16593-A-1 (1668A) | N/A (140-16593-1) | 3140.9 g<br>1039.3 g | 2101.6 mL<br>20 uL | | | | 10/4/19 | 18_Days | 4 | | 140-16593-A-1-A |
| 10 | MB~140-33603/10 N/A | N/A | | 1000 mL<br>20 uL | | | | N/A | N/A | N/A | | MB 140-33603/10-A |

# Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 140-33603

Analyst: Ahmed, Syed M

Batch Open: 9/16/2019 12:34:00PM

Batch End: 9/23/2019 12:40:00PM

Method Code: 140-1668_P_Sep-140

10/14/2019

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | LCS~140-33603/11<br>N/A | N/A | | 1000 mL<br>20 uL | | | | N/A | N/A | N/A | |

# Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 140-33603

Method Code: 140-1668_P_Sep-140

Analyst: Ahmed, Syed M

Batch Open: 9/16/2019 12:34:00PM

Batch End: 9/23/2019 12:40:00PM

10/14/2019

## Batch Notes

| | |
|---|---|
| Batch Comment | |
| Analyst ID - TA Reagent Drop | sa |
| Analyst ID - TA Reagent Drop Witness | sa |
| Analyst ID - IDA Reagent Drop | sa |
| Analyst ID - IDA Reagent Drop Witness | sa |
| Analyst ID - SU Reagent Drop | als |
| Analyst ID - SU Reagent Drop Witness | ajr |
| Analyst ID - IS Reagent Drop | SDO |
| Analyst ID - IS Reagent Drop Witness | SDO |
| Balance ID | d3 |
| MeCL2 ID | 235118 |
| Na2SO4 ID | 246458,249944 |
| Sulfuric Acid ID | |
| Acid cleanup Analyst | |
| Date of Acid Cleanup | |
| 5% NaCl Reagent ID | |
| Nonane ID | |
| GPC ID | gpc1 |
| GPC Analyst | ajr/abh |
| GPC Date | 09/17/2019 |

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# Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 140-33603
Analyst: Ahmed, Syed M
Batch Open: 9/16/2019 12:34:00PM
Batch End: 9/23/2019 12:40:00PM
Method Code: 140-1668_P_Sep-140

| | |
|---|---|
| Hexane ID | 248089 |
| Acid Silica ID | 249942 |
| Deactivated Silica ID | 251163 |
| Silica Gel C/U analyst | SDO |
| Silica Gel C/U Date | 09/20/2019 |
| Analyst ID - Concentration | VGC |

## Comments

140-16593-A-1

Sample Comments: COMPOSITE BOTH CONTAINERS BEFORE EXTRACTION
Method Comments: Prepare and extract a two liter composite sample from the two grab samples provided. Create NCMprep

# Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 140-33603

Method Code: 140-1668_P_Sep-140

Analyst: Ahmed, Syed M

Batch Open: 9/16/2019 12:34:00PM

Batch End: 9/23/2019 12:40:00PM

10/14/2019

## Reagent Additions Worksheet

| Lab ID | Reagent Code | Amount Added | Final Amount | By | Witness |
|---|---|---|---|---|---|
| 580-88908-A-74 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 580-88908-A-74 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 580-88908-A-74 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| 140-16634-F-1 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16634-F-1 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16634-F-1 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| 140-16634-A-2 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16634-A-2 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16634-A-2 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| 140-16634-B-3 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16634-B-3 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16634-B-3 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| 140-16634-A-4 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16634-A-4 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16634-A-4 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| 140-16634-B-9 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16634-B-9 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16634-B-9 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |

# Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 140-33603

Analyst: Ahmed, Syed M

Batch Open: 9/16/2019 12:34:00PM

Method Code: 140-1668_P_Sep-140

Batch End: 9/23/2019 12:40:00PM

| | | | | | |
|---|---|---|---|---|---|
| 140-16634-A-10 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16634-A-10 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16634-A-10 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| 140-16593-A-1 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16593-A-1 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16593-A-1 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| MB 140-33603/10 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| MB 140-33603/10 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| MB 140-33603/10 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| LCS 140-33603/11 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| LCS 140-33603/11 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| LCS 140-33603/11 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |
| LCS 140-33603/11 | 61SP1668WRK_00004 | 200 uL | 20 uL | | |
| 140-16624-A-1 | 61CS1668WRK_00017 | 200 uL | 20 uL | | |
| 140-16624-A-1 | 61ID1668WRK_00022 | 200 uL | 20 uL | | |
| 140-16624-A-1 | 61RS1668WRK_00016 | 20 uL | 20 uL | | |

10/14/2019

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# Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 140-33603

Method Code: 140-1668_P_Sep-140

Analyst: Ahmed, Syed M

Batch Open: 9/16/2019 12:34:00PM

Batch End: 9/23/2019 12:40:00PM

10/14/2019

**Other Reagents:**

| Reagent | Amount/Units | Lot#: |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

# Dioxin Prep Worksheet

Batch Number: 140-33603
Method: HRMS-Sepf
Analyst: Ahmed, Syed M

Date Open: Sep 16 2019 12:34PM
Batch End: Sep 23 2019 12:40PM

10/14/2019

| Lab ID | Client ID | Method Chain | Basis | GrossWeight | Tare Weight | Initial weight/volume of sample | Final weight/volume of sample | 61CS1668WRK_00017 | 61ID1668WRK_00022 |
|---|---|---|---|---|---|---|---|---|---|
| 140-16624-A-1 | PDU EFF. | 1668_P_Sep, 1668A | T | 1462.8 g | 446.7 g | 1016.1 mL | 20 uL | 200 uL | 200 uL |
| 580-88908-A-74 | 711-82719 | 1668_P_Sep, 1668A | T | 1508.2 g | 505.5 g | 1002.7 mL | 20 uL | 200 uL | 200 uL |
| 140-16634-F-1 | MR-SW-01 | 1668_P_Sep, 1668A | T | 1349.7 g | 394.2 g | 955.5 mL | 20 uL | 200 uL | 200 uL |
| 140-16634-A-2 | MR-SW-02 | 1668_P_Sep, 1668A | T | 1247.7 g | 394.5 g | 853.2 mL | 20 uL | 200 uL | 200 uL |
| 140-16634-B-3 | MR-SW-03 | 1668_P_Sep, 1668A | T | 1361.3 g | 392.7 g | 968.6 mL | 20 uL | 200 uL | 200 uL |
| 140-16634-A-4 | MR-SW-04 | 1668_P_Sep, 1668A | T | 1308.3 g | 394.8 g | 913.5 mL | 20 uL | 200 uL | 200 uL |
| 140-16634-B-9 | MR-FB-0909 | 1668_P_Sep, 1668A | T | 1331.6 g | 394.2 g | 937.4 mL | 20 uL | 200 uL | 200 uL |
| 140-16634-A-10 | MR-SW-102 | 1668_P_Sep, 1668A | T | 1321.2 g | 395.5 g | 925.7 mL | 20 uL | 200 uL | 200 uL |
| 140-16593-A-1 | DISCHARGE 001 | 1668_P_Sep, 1668A | T | 3140.9 g | 1039.3 g | 2101.6 mL | 20 uL | 200 uL | 200 uL |
| MB~140-33603/10 | | | | | | 1000 mL | 20 uL | 200 uL | 200 uL |
| LCS~140-33603/11 | | | | | | 1000 mL | 20 uL | 200 uL | 200 uL |

# Dioxin Prep Worksheet

Batch Number: 140-33603
Method: HRMS-Sepf
Analyst: Ahmed, Syed M

Date Open: Sep 16 2019 12:34PM
Batch End: Sep 23 2019 12:40PM



| Lab ID | Client ID | Method Chain | Basis 61RS1668WRK_0001661SP1668WRK_00004 | | |
|---|---|---|---|---|---|
| 140-16624-A-1 | PDU EFF. | 1668_P_Sep, 1668A | T | 20 uL | |
| 580-88908-A-74 | 711-82719 | 1668_P_Sep, 1668A | T | 20 uL | |
| 140-16634-F-1 | MR-SW-01 | 1668_P_Sep, 1668A | T | 20 uL | |
| 140-16634-A-2 | MR-SW-02 | 1668_P_Sep, 1668A | T | 20 uL | |
| 140-16634-B-3 | MR-SW-03 | 1668_P_Sep, 1668A | T | 20 uL | |
| 140-16634-A-4 | MR-SW-04 | 1668_P_Sep, 1668A | T | 20 uL | |
| 140-16634-B-9 | MR-FB-0909 | 1668_P_Sep, 1668A | T | 20 uL | |
| 140-16634-A-10 | MR-SW-102 | 1668_P_Sep, 1668A | T | 20 uL | |
| 140-16593-A-1 | DISCHARGE 001 | 1668_P_Sep, 1668A | T | 20 uL | |
| MB~140-33603/10 | | | | 20 uL | |
| LCS~140-33603/11 | | | | 20 uL | 200 uL |



| | |
|---|---|
| Analyst ID - TA Reagent Drop: | sa |
| Analyst ID - TA Reagent Drop Witness: | sa |
| Analyst ID - IDA Reagent Drop: | sa |
| Analyst ID - IDA Reagent Drop Witness: | sa |
| Analyst ID - SU Reagent Drop: | als |
| Analyst ID - SU Reagent Drop Witness: | ajr |
| Analyst ID - IS Reagent Drop: | SDO |
| Analyst ID - IS Reagent Drop Witness: | SDO |
| Balance ID: | d3 |
| MeCL2 ID: | 235118 |
| Na2SO4 ID: | 246458,249944 |
| GPC ID: | gpc1 |
| GPC Analyst: | ajr/abh |
| GPC Date: | 09/17/2019 |
| Hexane ID: | 248089 |
| Acid Silica ID: | 249942 |
| Deactivated Silica ID: | 251163 |
| Silica Gel C/U analyst: | SDO |
| Silica Gel C/U Date: | 09/20/2019 |
| Analyst ID - Concentration: | VGC |

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33628  Batch Start Date: 09/17/19 12:25  Batch Analyst: Stockton, Samuel

Batch Method: HRMS-Sox  Batch End Date: 09/18/19 10:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | MoistCont | Protocol# | NominalRLWgt | InitialAmount | FinalAmount | 61ID1668WRK 00023 |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26 | J5-SC1b-20to30-82719 | HRMS-Sox, Split, 1668A | T | 49.4673768308921 % | 1 | 19.7892 g | 19.94 g | 20 mL | 1 mL |
| 580-88908-A-27 | J5-SC1b-30to40-82719 | HRMS-Sox, Split, 1668A | T | 47.9332273449921 % | 1 | 19.2061 g | 19.72 g | 20 mL | 1 mL |
| 580-88908-A-28 | J5-SC1b-40to50-82719 | HRMS-Sox, Split, 1668A | T | 45.1675977653631 % | 2 | 3.6475 g | 3.75 g | 10 mL | 1 mL |
| 580-88908-A-29 | J5-SC1b-50to60-82719 | HRMS-Sox, Split, 1668A | T | 44.1729893778452 % | 2 | 3.5825 g | 3.73 g | 10 mL | 1 mL |
| 580-88908-A-30 | J5-SC1b-60to70-82719 | HRMS-Sox, Split, 1668A | T | 43.7947882736156 % | 1 | 17.7919 g | 18.03 g | 20 mL | 1 mL |
| 580-88908-A-31 | J5-SC1b-70to80-82719 | HRMS-Sox, Split, 1668A | T | 34.8702830188679 % | 1 | 15.354 g | 15.74 g | 20 mL | 1 mL |
| 580-88908-A-32 | J5-SC1b-80to90-82719 | HRMS-Sox, Split, 1668A | T | 29.895227008149 % | 1 | 14.2644 g | 14.52 g | 20 mL | 1 mL |
| 580-88908-A-33 | J5-SC1b-90to100-82719 | HRMS-Sox, Split, 1668A | T | 28.1699346405229 % | 1 | 13.9217 g | 14.08 g | 20 mL | 1 mL |
| 580-88908-A-34 | J5-SC1b-100to110-82719 | HRMS-Sox, Split, 1668A | T | 29.0909090909091 % | 1 | 14.1026 g | 14.25 g | 20 mL | 1 mL |
| 580-88908-A-35 | J5-SC1b-00to10-82719 | HRMS-Sox, Split, 1668A | T | 54.6666666666667 % | 1 | 20 g | 20.39 g | 20 mL | 1 mL |
| 580-88908-A-36 | J5-SC1b-10to20-82719 | HRMS-Sox, Split, 1668A | T | 50.6582278481013 % | 2 | 4 g | 4.07 g | 10 mL | 1 mL |
| MB 140-33628/12 | | HRMS-Sox, Split, 1668A | | 0 % | 1 | 10 g | 10 g | 20 mL | 1 mL |
| LCS 140-33628/13 | | HRMS-Sox, Split, 1668A | | 0 % | 1 | 10 g | 10 g | 20 mL | 1 mL |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | 61SP1668WRK 00004 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26 | J5-SC1b-20to30-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-27 | J5-SC1b-30to40-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-28 | J5-SC1b-40to50-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-29 | J5-SC1b-50to60-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-30 | J5-SC1b-60to70-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-31 | J5-SC1b-70to80-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33628  Batch Start Date: 09/17/19 12:25  Batch Analyst: Stockton, Samuel

Batch Method: HRMS-Sox  Batch End Date: 09/18/19 10:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | 61SP1668WRK 00004 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-32 | J5-SC1b-80to90-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-33 | J5-SC1b-90to100-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-34 | J5-SC1b-100to110-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-35 | J5-SC1b-00to10-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| 580-88908-A-36 | J5-SC1b-10to20-82719 | HRMS-Sox, Split, 1668A | T | | | | | | |
| MB 140-33628/12 | | HRMS-Sox, Split, 1668A | | | | | | | |
| LCS 140-33628/13 | | HRMS-Sox, Split, 1668A | | 1 mL | | | | | |

| Batch Notes | |
|---|---|
| 1:1 Acetone:Hexane ID | 256189 |
| Balance ID | d1 |
| Hexane ID | 226527 |
| Na2SO4 ID | 246458 |
| Analyst ID - IDA Reagent Drop | brs |
| Analyst ID - IDA Reagent Drop Witness | ss |
| Analyst ID - TA Reagent Drop | brs |
| Analyst ID - TA Reagent Drop Witness | ss |
| Soxhlet/Soxtherm End | 08:00 |
| Soxhlet/Soxtherm Start | 14:00 |
| Thimble Lot ID | 1688214602 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33702  Batch Start Date: 09/19/19 06:45  Batch Analyst: Spencer, Emayet B

Batch Method: Split  Batch End Date: 09/25/19 09:45

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 61CS1668WRK 00017 | 61RS1668WRK 00017 | AnalysisComment | |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26-B | J5-SC1b-20to30-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| 580-88908-A-27-B | J5-SC1b-30to40-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| 580-88908-A-28-B | J5-SC1b-40to50-82719 | Split, 1668A | T | 10 mL | 100 uL | 1 mL | 100 uL | | |
| 580-88908-A-29-B | J5-SC1b-50to60-82719 | Split, 1668A | T | 10 mL | 100 uL | 1 mL | 100 uL | | |
| 580-88908-A-30-B | J5-SC1b-60to70-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| 580-88908-A-31-B | J5-SC1b-70to80-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| 580-88908-A-32-B | J5-SC1b-80to90-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| 580-88908-A-33-B | J5-SC1b-90to100-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | Reacted with acid, during acid wash. | |
| 580-88908-A-34-B | J5-SC1b-100to110-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| 580-88908-A-35-B | J5-SC1b-00to10-82719 | Split, 1668A | T | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| 580-88908-A-36-B | J5-SC1b-10to20-82719 | Split, 1668A | T | 10 mL | 100 uL | 1 mL | 100 uL | | |
| MB 140-33628/12-A | | Split, 1668A | | 10 mL | 50 uL | 0.5 mL | 50 uL | | |
| LCS 140-33628/13-A | | Split, 1668A | | 10 mL | 50 uL | 0.5 mL | 50 uL | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33702  Batch Start Date: 09/19/19 06:45  Batch Analyst: Spencer, Emayet B

Batch Method: Split  Batch End Date: 09/25/19 09:45

| Batch Notes | |
|---|---|
| Acid cleanup Analyst | als,edd |
| Date of Acid Cleanup | 09/19/2019 |
| Acid Silica Gel ID | 255601 |
| Analyst ID - Concentration | VGC |
| Deactivated Silica ID | 255600 |
| GPC ID | gpc2 |
| GPC Analyst | ajr |
| GPC Date | 09/22/2019 |
| Sulfuric Acid ID | 226317 |
| Hexane ID | 226527 |
| MeCL2 ID | 237277 |
| Na2SO4 ID | 246458 |
| Analyst ID - IS Reagent Drop | es |
| Analyst ID - IS Reagent Drop Witness | es |
| Analyst ID - SU Reagent Drop | als |
| Analyst ID - SU Reagent Drop Witness | edd |
| Silica Gel C/U analyst | als,edd |
| Silica Gel C/U Date | 09/24/2019 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## Eurofins/TestAmerica Knoxville Prep Batch Review Checklist

**Batch #** 33628

**Split Batch #** 33702

| *Review Items* | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Were the samples extracted within the required holding times? | | ✓ | | If No, NCM #: _____ | ✓ |
| 2. Are the final extracts free of water, precipitates, multiple phases, and for HRMS - color? | | ✓ | | | ✓ |
| 3. Were all project specific requirements met? | | ✓ | | | ✓ |
| 4. Were the correct start and completion dates entered into TALS? | | ✓ | | | ✓ |
| 5. Are the spike IDs and volumes correct in TALS for the method? | | ✓ | | | ✓ |
| 6. Does the prep batch paperwork package contain all required documentation which has been properly and completely filled out, including:<br>• Extraction Benchsheet (Excel)<br>• TALS Raw data worksheets<br>• Batch Worksheets (ANLY)<br>• Verify Protocol #'s (compare excel sheet to TALS)<br>• Was the Excel Extraction Benchsheet and Prep Batch Review Checklist scanned and attached to batch in TALS? | | ✓ | | | ✓ |
| 7. Did extracts go through GPC cleanup? Has the following nonconformance been associated with all extracts? | | ✓ | | If Yes, NCM# 140-18550 | ✓ |
| 8. Are all additional nonconformances documented appropriately and copy included with deliverable? | ✓ | | | If Yes, NCM#: _____ | ✓ |

**Analyst :** ES **Date:** 9/25/19

**Comments:**

**2nd Level Reviewer:** ALS **Date:** 9/25/19

**Comments:**

# Eurofins TestAmerica Knoxville Extraction Sheet
## 1668 PCB Congener Sediment/Soil/Tissue by Soxhlet - KNOX-OP-0021

Batch Number: 33628
Split Batch Number: 33702
TALS Prep Chain: 1668_P_Sox → 1668_Split

Extraction Date/Start Time: 14:00 9/17/19
Extraction Date/Stop Time: 8:00 9/18/19

Delivered: _____ Initials/Date/Time
Received: _____ Initials/Date/Time

Tissue ☐ Solid ☒ Sediment ☒

| Lot Sample ID | Verify Protocol Numbers in TALS | Water layer decanted? (Y,N,NA) | Mix sample with $Na_2SO_4$ and add to Soxhlet thimble. | Add 10 ng/mL IS (IDA) to all samples & QC. Record in TALS. | Add 5 ng/mL native spike (TA) to LCS, LCSD, MS, MSD. Record in TALS. | Extract 18-24 hr with 1:1 hexane/acetone. | Concentrate/exchange to hexane to ≥20 mL on heating mantle. | Concentrate to appropriate vol on N-EVAP. | Create Split Batch in TALS. Split samples if needed. | Add 10 ng/mL cleanup std (SU) to all extracts. Record in TALS. | Acid wash extracts. | Concentrate/solvent exchange to $MeCl_2$ to appropriate volume. | Perform GPC cleanup. | Concentrate/solvent exchange to hexane to appropriate volume. | Perform Silica Gel Column Cleanup. | Concentrate to ≥20 mL on heating mantle. | Concentrate to ~0.5 to 1 mL on N-EVAP. | Add 100 ng/mL recovery std (IS) to mini-vial. Record in TALS. Transfer extract to vial. | Conc to final volume in nonane. Record final volume in TALS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26 | ✓ | NA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | GPC 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 580-88908-A-27 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-28 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-29 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-30 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-31 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-32 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-33 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-34 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-35 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-36 | | | | | | | | | | | | | | | | | | | |
| MB 140-33628/12 | | | | | | | | | | | | | | | | | | | |
| LCS 140-33628/13 | | | | | | | | | | | | | | | | | | | |
| | DRS/SS 9/17 | | | | | | BDS/SS 9/18 | AJ 9/19 | ES 9/19 | AJ 9/19 | PAS/EDD 9/19 | ADR 9/22 | → | VGC 9/24 | AJ 9/24 | → | ES 9/25 | | |

ES 9/25/19

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 34150  Batch Start Date: 10/03/19 11:21  Batch Analyst: Stockton, Samuel

Batch Method: HRMS-Sox  Batch End Date: 10/04/19 09:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | Protocol# | InitialAmount | FinalAmount | 61ID1668WRK 00023 | 61SP1668WRK 00004 | |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26 | J5-SC1b-20to30-82719 | HRMS-Sox, Split, 1668A | T | 1 | 20.05 g | 20 mL | 1 mL | | |
| 580-88908-A-27 | J5-SC1b-30to40-82719 | HRMS-Sox, Split, 1668A | T | 1 | 19.46 g | 20 mL | 1 mL | | |
| 580-88908-A-28 | J5-SC1b-40to50-82719 | HRMS-Sox, Split, 1668A | T | 2 | 3.73 g | 10 mL | 1 mL | | |
| 580-88908-A-29 | J5-SC1b-50to60-82719 | HRMS-Sox, Split, 1668A | T | 2 | 3.62 g | 10 mL | 1 mL | | |
| 580-88908-A-30 | J5-SC1b-60to70-82719 | HRMS-Sox, Split, 1668A | T | 1 | 18.05 g | 20 mL | 1 mL | | |
| 580-88908-A-31 | J5-SC1b-70to80-82719 | HRMS-Sox, Split, 1668A | T | 1 | 15.71 g | 20 mL | 1 mL | | |
| 580-88908-A-32 | J5-SC1b-80to90-82719 | HRMS-Sox, Split, 1668A | T | 1 | 14.93 g | 20 mL | 1 mL | | |
| 580-88908-A-33 | J5-SC1b-90to100-82719 | HRMS-Sox, Split, 1668A | T | 1 | 14.47 g | 20 mL | 1 mL | | |
| 580-88908-A-34 | J5-SC1b-100to110-82719 | HRMS-Sox, Split, 1668A | T | 1 | 14.54 g | 20 mL | 1 mL | | |
| 580-88908-A-35 | J5-SC1b-00to10-82719 | HRMS-Sox, Split, 1668A | T | 1 | 20.93 g | 20 mL | 1 mL | | |
| 580-88908-A-36 | J5-SC1b-10to20-82719 | HRMS-Sox, Split, 1668A | T | 2 | 4.17 g | 10 mL | 1 mL | | |
| MB 140-34150/12 | | HRMS-Sox, Split, 1668A | | 1 | 10 g | 20 mL | 1 mL | | |
| LCS 140-34150/13 | | HRMS-Sox, Split, 1668A | | 1 | 10 g | 20 mL | 1 mL | 1 mL | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 34150  Batch Start Date: 10/03/19 11:21  Batch Analyst: Stockton, Samuel

Batch Method: HRMS-Sox  Batch End Date: 10/04/19 09:00

| Batch Notes | |
|---|---|
| 1:1 Acetone:Hexane ID | 256189 |
| Balance ID | d3 |
| Hexane ID | 248089 |
| Na2SO4 ID | 226527 |
| Analyst ID - IDA Reagent Drop | ss |
| Analyst ID - IDA Reagent Drop Witness | brs |
| Analyst ID - TA Reagent Drop | ss |
| Analyst ID - TA Reagent Drop Witness | brs |
| Soxhlet/Soxtherm End | 07:00 |
| Soxhlet/Soxtherm Start | 13:00 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 34179  Batch Start Date: 10/04/19 10:40  Batch Analyst: Sudderth, Allan L

Batch Method: Split  Batch End Date: 10/09/19 15:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 61CS1668WRK 00017 | 61RS1668WRK 00017 | AnalysisComment | |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26-E | J5-SC1b-20to30-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | | |
| 580-88908-A-27-E | J5-SC1b-30to40-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | Biphasic before acid wash,filtered through sodium sulfate. | |
| 580-88908-A-28-E | J5-SC1b-40to50-82719 | Split, 1668A | T | 10 mL | 100 uL | 1000 uL | 100 uL | | |
| 580-88908-A-29-E | J5-SC1b-50to60-82719 | Split, 1668A | T | 10 mL | 100 uL | 1000 uL | 100 uL | | |
| 580-88908-A-30-E | J5-SC1b-60to70-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | | |
| 580-88908-A-31-E | J5-SC1b-70to80-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | | |
| 580-88908-A-32-E | J5-SC1b-80to90-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | | |
| 580-88908-A-33-E | J5-SC1b-90to100-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | | |
| 580-88908-A-34-E | J5-SC1b-100to110-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | | |
| 580-88908-A-35-E | J5-SC1b-00to10-82719 | Split, 1668A | T | 10 mL | 50 uL | 500 uL | 50 uL | | |
| 580-88908-A-36-E | J5-SC1b-10to20-82719 | Split, 1668A | T | 10 mL | 100 uL | 1000 uL | 100 uL | | |
| MB 140-34150/12-A | | Split, 1668A | | 10 mL | 50 uL | 500 uL | 50 uL | | |
| LCS 140-34150/13-A | | Split, 1668A | | 10 mL | 50 uL | 500 uL | 50 uL | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# HI-RES PCBS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 34179  Batch Start Date: 10/04/19 10:40  Batch Analyst: Sudderth, Allan L

Batch Method: Split  Batch End Date: 10/09/19 15:00

| Batch Notes | |
|---|---|
| Acid cleanup Analyst | als |
| Date of Acid Cleanup | 10/07/2019 |
| Acid Silica Gel ID | 258148 |
| Analyst ID - Concentration | VGC |
| Deactivated Silica ID | 258136 |
| GPC ID | gpc2 |
| GPC Analyst | abh |
| GPC Date | 10/07/2019 |
| Sulfuric Acid ID | 226317 |
| Hexane ID | 248089, 226527 |
| MeCL2 ID | 229304 |
| Analyst ID - IS Reagent Drop | als |
| Analyst ID - IS Reagent Drop Witness | als |
| Analyst ID - SU Reagent Drop | als |
| Analyst ID - SU Reagent Drop Witness | es |
| Silica Gel C/U analyst | als,edd |
| Silica Gel C/U Date | 10/08/2019 |

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

## Eurofins/TestAmerica Knoxville Prep Batch Review Checklist

**Batch #** 34158

**Split Batch #** 34179

| *Review Items* | N/A | Yes | No | If No, why is data reportable? | 2nd Level |
|---|---|---|---|---|---|
| 1. Were the samples extracted within the required holding times? | | ✓ | | If No, NCM #: _____ | ✓ |
| 2. Are the final extracts free of water, precipitates, multiple phases, and for HRMS - color? | | ✓ | | | ✓ |
| 3. Were all project specific requirements met? | | ✓ | | | ✓ |
| 4. Were the correct start and completion dates entered into TALS? | | ✓ | | | ✓ |
| 5. Are the spike IDs and volumes correct in TALS for the method? | | ✓ | | | ✓ |
| 6. Does the prep batch paperwork package contain all required documentation which has been properly and completely filled out, including:<br>• Extraction Benchsheet (Excel)<br>• TALS Raw data worksheets<br>• Batch Worksheets (ANLY)<br>• Verify Protocol #'s (compare excel sheet to TALS)<br>• Was the Excel Extraction Benchsheet and Prep Batch Review Checklist scanned and attached to batch in TALS? | | ✓ | | | ✓ |
| 7. Did extracts go through GPC cleanup? Has the following nonconformance been associated with all extracts? | | ✓ | | If Yes, NCM# 140-18550 | ✓ |
| 8. Are all additional nonconformances documented appropriately and copy included with deliverable? | ✓ | | | If Yes, NCM#: _____ | ✓ |

**Analyst :** AS **Date:** 10/9/18

**Comments:**

**2nd Level Reviewer:** EDD **Date:** 10/9/18

**Comments:**

# Eurofins TestAmerica Knoxville Extraction Sheet

## 1668 PCB Congener Sediment/Soil/Tissue by Soxhlet - KNOX-OP-0021

Batch Number: 34150
Split Batch Number: 34179
TALS Prep Chain: 1668_P_Sox → 1668_Split

Extraction Date/Start Time: 10/3/19 13:00
Extraction Date/Stop Time: 10/4/19 7:00

Delivered: _____ Initials/Date/Time
Received: _____ Initials/Date/Time

Tissue ☐ Solid ☐ Sediment ☑

RUSH!

| Lot Sample ID | Verify Protocol Numbers in TALS | Water layer decanted? (Y,N,NA) | Mix sample with $Na_2SO_4$ and add to Soxhlet thimble. | Add 10 ng/mL IS (IDA) to all samples & QC. Record in TALS. | Add 5 ng/mL native spike (TA) to LCS, LCSD, MS, MSD. Record in TALS. | Extract 18-24 hr with 1:1 hexane/acetone. | Concentrate/exchange to hexane to ≥20 mL on heating mantle. | Concentrate to appropriate vol on N-EVAP. | Create Split Batch in TALS. Split samples if needed. | Add 10 ng/mL cleanup std (SU) to all extracts. Record in TALS. | Acid wash extracts. | Concentrate/solvent exchange to $MeCl_2$ to appropriate volume. | Perform GPC cleanup. | Concentrate/solvent exchange to hexane to appropriate volume. | Perform Silica Gel Column Cleanup. | Concentrate to ≥20 mL on heating mantle. | Concentrate to ~0.5 to 1 mL on N-EVAP. | Add 100 ng/mL recovery std (IS) to mini-vial. Record in TALS. Transfer extract to vial. | Conc to final volume in nonane. Record final volume in TALS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | GPC2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 580-88908-A-27 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-28 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-29 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-30 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-31 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-32 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-33 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-34 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-35 | | | | | | | | | | | | | | | | | | | |
| 580-88908-A-36 | | | | | | | | | | | | | | | | | | | |
| MB 140-34150/12 | | | | | | | | | | | | | | | | | | | |
| LCS 140-34150/13 | | | | | | | | | | | | | | | | | | | |
| | SS/13BS 10/3 | → | → | → | → | → | BS/LS 10/4 | AS 10/4 | → | AS 10/7 | → | ABH 10/7 | → | VGC 10/8 | ALS/GDO 10/8 | → | ALS 10/9 | → | → |

AS 10/5/19

AS 10/9/19

10/14/2019

# GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Knoxville  Job Number: 580-88908-1

SDG No.:

Project: Swan Island Lagoon Sediment Investigatio

| Client Sample ID | Lab Sample ID |
|---|---|
| J5-SC1b-20to30-82719 | 580-88908-26 |
| J5-SC1b-30to40-82719 | 580-88908-27 |
| J5-SC1b-40to50-82719 | 580-88908-28 |
| J5-SC1b-50to60-82719 | 580-88908-29 |
| J5-SC1b-60to70-82719 | 580-88908-30 |
| J5-SC1b-70to80-82719 | 580-88908-31 |
| J5-SC1b-80to90-82719 | 580-88908-32 |
| J5-SC1b-90to100-82719 | 580-88908-33 |
| J5-SC1b-100to110-82719 | 580-88908-34 |
| J5-SC1b-00to10-82719 | 580-88908-35 |
| J5-SC1b-10to20-82719 | 580-88908-36 |

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Knoxville  Job Number: 580-88908-1

SDG Number:

Matrix: Solid  Instrument ID: W3

Method: Moisture  RL Date: 01/01/2015 16:10

| Analyte | Wavelength/ Mass | RL (%) | |
|---|---|---|---|
| Percent Moisture | | 0.1 | |
| Percent Solids | | 0.1 | |

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Knoxville  Job No.: 580-88908-1

SDG No.:

Instrument ID: W3  Analysis Method: Moisture

Start Date: 09/11/2019 15:55  End Date: 09/11/2019 15:55

| Lab Sample Id | D/F | Type | Time | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | % Sol | Moist | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-26 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-27 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-28 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-29 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-30 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-31 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-32 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-33 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-34 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-35 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-36 | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:55 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:55 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 15:55 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 580-88908-26 DU | 1 | T | 15:55 | X | X | | | | | | | | | | | | | | | | | | | | | | | | |

Prep Types:
T = Total/NA

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33470  Batch Start Date: 09/11/19 15:55  Batch Analyst: Wilson, Ken

Batch Method: Moisture  Batch End Date: 09/12/19 09:56

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DishWeight | SampleMassWet | SampleMassDry | | | |
|---|---|---|---|---|---|---|---|---|---|
| 580-88908-A-26 | J5-SC1b-20to30-82719 | Moisture | T | 1.05 g | 8.56 g | 4.845 g | | | |
| 580-88908-A-27 | J5-SC1b-30to40-82719 | Moisture | T | 1.08 g | 7.37 g | 4.355 g | | | |
| 580-88908-A-28 | J5-SC1b-40to50-82719 | Moisture | T | 1.10 g | 8.26 g | 5.026 g | | | |
| 580-88908-A-29 | J5-SC1b-50to60-82719 | Moisture | T | 1.09 g | 7.68 g | 4.769 g | | | |
| 580-88908-A-30 | J5-SC1b-60to70-82719 | Moisture | T | 1.09 g | 7.23 g | 4.541 g | | | |
| 580-88908-A-31 | J5-SC1b-70to80-82719 | Moisture | T | 1.11 g | 9.59 g | 6.633 g | | | |
| 580-88908-A-32 | J5-SC1b-80to90-82719 | Moisture | T | 1.09 g | 9.68 g | 7.112 g | | | |
| 580-88908-A-33 | J5-SC1b-90to100-82719 | Moisture | T | 1.07 g | 7.19 g | 5.466 g | | | |
| 580-88908-A-34 | J5-SC1b-100to110-82719 | Moisture | T | 1.06 g | 8.43 g | 6.286 g | | | |
| 580-88908-A-35 | J5-SC1b-00to10-82719 | Moisture | T | 1.08 g | 9.63 g | 4.956 g | | | |
| 580-88908-A-36 | J5-SC1b-10to20-82719 | Moisture | T | 1.07 g | 8.97 g | 4.968 g | | | |
| 580-88908-A-26 DU | J5-SC1b-20to30-82719 | Moisture | T | 1.09 g | 9.40 g | 5.378 g | | | |

| Batch Notes | |
|---|---|
| Balance ID | S1 |
| Date and Time Samples out of Desiccator | 09/12/2019 09:30 |
| Date samples were placed in the oven | 09/11/2019 |
| Oven Temp In | 105 Degrees C |
| Time samples were place in the oven | 16:20 |
| Date samples were removed from oven | 09/12/2019 |
| Oven Temp Out | 105 Degrees C |
| Time Samples were removed from oven | 08:43 |
| Oven ID | 023 |
| Thermometer ID | 023 |
| Temperature - Start - Uncorrected | 105 Degrees C |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill  Job No.: 580-88908-1

SDG No.:

Batch Number: 33470  Batch Start Date: 09/11/19 15:55  Batch Analyst: Wilson, Ken

Batch Method: Moisture  Batch End Date: 09/12/19 09:56

| Basis | Basis Description |
|---|---|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# Subcontract Data

# Shipping and Receiving Documents

Other TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date: 8/28/2019 | COC No: |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | 1 of 8 COCs |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | standard | | | SDG No. |
| 206 329 0141 Phone | TAT if different from Below | | | |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| PO# | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Sample Specific Notes: |
|---|---|---|---|---|---|---|
| -1 H3-SC1b-20to30-8[28]19 | 8/[28]/19 | 2015 | | S | 1 | |
| H3-SC1b-30to40-8[29]19 | 8/[29]/19 | 0825 | | S | 1 | |
| -3 H3-SC1b-40to50-8[29]19 | 8/[29]/19 | 0830 | | S | 1 | |
| H3-SC1b-50to60-8[29]19 | 8/[29]/19 | 0835 | | S | 1 | |
| -5 H3-SC1b-60to70-8[29]19 | 8/[29]/19 | 0900 | | S | 1 | |
| H3-SC1b-70to80-8[29]19 | 8/[29]/19 | 0905 | | S | 1 | |
| -7 H3-SC1b-80to90-8[29]19 | 8/[29]/19 | 0930 | | S | 1 | |
| H3-SC1b-90to100-8[29]19 | 8/[29]/19 | 0935 | | S | 1 | |
| -9 H3-SC1b-100to110-8[29]19 | 8/[29]/19 | 0950 | | S | 1 | |
| ~~H3-SC1b-00to10-82819~~ | ~~8/28/19~~ | ~~2005~~ | | S | 1 | |
| ~~H3-SC1b-10-20-82819~~ | ~~8/28/19~~ | ~~2010~~ | | S | 1 | |
| | 8/ /19 | | | S | 1 | |

PCB Congeners 1668A

Archive

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

*Possible Hazard Identification*

[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*

[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

Therm. ID: IR4 Cor: 5.2 ° Unc: 5.5 °
Cooler Dsc: Lrg Blue
Packing: Bubble
Cust. Seal: Yes X No____
Blue Ice, Dry, None
FedEx:____
UPS:____
Lab Cour:____
Other: Pri Cour

Therm. ID: IR4 Cor: 3.3 ° Unc: 3.6 °
Cooler Dsc: Lrg Blue
Packing: Bub
Cust. Seal: Yes X No____
Blue Ice, Dry, None
FedEx:____
UPS:____
Lab Cour:____
Other: Pri Cour

580-88908 Chain of Custody

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | PGG | 9/3/2019 1210 | B. Hall | SEA TA | 9.3.19 1500 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

other TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date:8/__/2019 | COC No: 1 of 8 COCs |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | Job No. 2006-00115 |
| Pacific Groundwater Group | Analysis Turnaround Time | | | |
| 2377 Eastlake Ave E, Seattle WA 98102 | *standard* | | | SDG No. |
| 206 329 0141 Phone | TAT if different from Below ____ | | | |
| 206 329 6968 FAX | [x] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| PO# | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Summa canister: PCB congeners 1668A | ARCHIVE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|
| L3-SC1b-20to30-826 19 | 8/26/19 | 1030 | | S | 1 | | ✓ | |
| -11 L3-SC1b-30to40-826 19 | 8/26/19 | 1035 | | S | 1 | | ✓ | |
| L3-SC1b-00to10-82619 | 8/26/19 | 1006 | | S | 1 | | ✓ | |
| -13 L3-SC1b-10to20-82619 | 8/26/19 | 1007 | | S | 1 | | ✓ | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

*Possible Hazard Identification*
[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* *Poison B* [ ] *Unknown* [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
[ ] *Return To Client* [ ] *Disposal By Lab* [x] *Archive For* ____ *Months*

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | PGG | 9/3/2019 1210 | B. Hall | SEATA | 9.3.19 1500 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

other TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date: 8/26/2019 | COC No: 2 of 8 COCs |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | *standard* | | | |
| 206 329 0141 Phone | TAT if different from Below | | | SDG No. |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Sample Specific Notes: |
|---|---|---|---|---|---|---|
| D6-SC1b-20to30-826 19 | 8/26/19 | 1245 | | S | 1 | |
| -15 D6-SC1b-30to40-826 19 | 8/26/19 | 1300 | | S | 1 | |
| D6-SC1b-40to50-826 19 | 8/26/19 | 1445 | | S | 1 | |
| -17 D6-SC1b-50to60-826 19 | 8/26/19 | 1450 | | S | 1 | |
| D6-SC1b-60to70-826 19 | 3/26/19 | 1530 | | S | 1 | |
| -19 D6-SC1b-70to80-826 19 | 8/26/19 | 1540 | | S | 1 | |
| D6-SC1b-80to90-826 19 | 8/26/19 | 1655 | | S | 1 | |
| -21 D6-SC1b-90to100-826 19 | 8/26/19 | 1700 | | S | 1 | |
| D6-SC1b-100to110-826 19 | 8/26/19 | 1740 | | S | 1 | |
| -23 D6-SC1b-110to120-826 19 | 8/26/19 | 1750 | | S | 1 | |
| D6-SC1b-10to20-82619 | 8/26/19 | 1210 | | S | 1 | |
| -25 411-SC1b-50to60-82619 | 8/26/19 | 1500 | | S | 1 | |

Preservation Used: 1= Ice, 2= HCl; 3= $H_2SO_4$; 4=$HNO_3$; 5=NaOH; 6= Other _____

*Possible Hazard Identification*
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | PGG | 9/3/2019 1210 | B. Hall | SEA TA | 9.3.19 1500 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |



10/14/2019

Other
TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date: 8/27/2019 | COC No: 6 |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | 3 of 6 COCs |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | standard | | | |
| 206 329 0141 Phone | TAT if different from Below | | | SDG No. |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | PCB Congeners (1668A) | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|
| J5-SC1b-20to30-8 27 19 | 8/27/19 | 1455 | | S | 1 | X | | |
| -27 J5-SC1b-30to40-8 27 19 | 8/27/19 | 1500 | | S | 1 | X | | |
| J5-SC1b-40to50-8 27 19 | 8/27/19 | 1610 | | S | 1 | X | | |
| -29 J5-SC1b-50to60-8 27 19 | 8/27/19 | 1615 | | S | 1 | X | | |
| J5-SC1b-60to70-8 27 19 | 8/27/19 | 1620 | | S | 1 | X | | |
| -31 J5-SC1b-70to80-8 27 19 | 8/27/19 | 1625 | | S | 1 | X | | |
| J5-SC1b-80to90-8 27 19 | 8/27/19 | 1725 | | S | 1 | X | | |
| -33 J5-SC1b-90to100-8 27 19 | 8/27/19 | 1730 | | S | 1 | X | | |
| J5-SC1b-100to110-8 27 19 | 8/27/19 | 1735 | | S | 1 | X | | |
| [redacted] | | | | | | | | |
| -35 J5-SC1b-00to10-82719 | 8/27/19 | 1445 | | S | 1 | X | | |
| J5-SC1b-10to20-82719 | 8/27/19 | 1450 | | S | 1 | | | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

*Possible Hazard Identification*
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | PGG | 9/3/2019 1210 | B. Hall | SEA TA | 9.3.19 1500 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

Other TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date:8/__/2019 | COC No: 4 of 8 COCs |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | *standard* | | | |
| 206 329 0141 Phone | TAT if different from Below ____ | | | SDG No. |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | PCB Congeners Ind94 | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|
| -37 J3-SC1b-20to30-827 19 | 8/27/19 | 1000 | | S | 1 | | ✓ | |
| J3-SC1b-30to40-827 19 | 8/27/19 | 1005 | | S | 1 | | ✓ | |
| -39 J3-SC1b-40to50-827 19 | 8/27/19 | 1120 | | S | 1 | | ✓ | |
| J3-SC1b-50to60-827 19 | 8/27/19 | 1125 | | S | 1 | | ✓ | |
| -41 J3-SC1b-60to70-827 19 | 8/27/19 | 1130 | | S | 1 | | ✓ | |
| J3-SC1b-70to80-827 19 | 8/27/19 | 1135 | | S | 1 | | ✓ | |
| -43 J3-SC1b-80to90-827 19 | 8/27/19 | 1220 | | S | 1 | | ✓ | |
| J3-SC1b-90to100-827 19 | 8/27/19 | 1225 | | S | 1 | | ✓ | |
| -45 J3-SC1b-10to20-827 19 | 8/27/19 | 0955 | | S | 1 | | ✓ | |
| [redacted] | 8/ /19 | | | S | 1 | | [redacted] | |
| 412-SC1b-80to90-827 19 | 8/27/19 | 1235 | | S | 1 | | ✓ | |
| | 8/ /19 | | | S | 1 | | | |

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

***Possible Hazard Identification***

[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* *Poison B* [ ] *Unknown* [ ]

***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)***

[ ] *Return To Client* [ ] *Disposal By Lab* [X] *Archive For* ____ *Months*

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| [signature] | PGG | 9/3/2019 1210 | B. [signature] | SEA TA | 9.3.19 1501 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

Other TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date: 8/27/2019 - 8/28/2019 | COC No: |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | 5 of 8 COCs |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | standard | | | |
| 206 329 0141 Phone | TAT if different from Below | | | SDG No. |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| PO # | [ ] 1 day | | | |

| | Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | PCB Congeners 1668A | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|
| -47 | J6-SC1b-20to30-8 28 19 | 8/28/19 | 0920 | | S | 1 | | X | |
| | J6-SC1b-30to40-8 28 19 | 8/28/19 | 0925 | | S | 1 | | X | |
| -49 | J6-SC1b-40to50-8 28 19 | 8/28/19 | 1025 | | S | 1 | | X | |
| | J6-SC1b-50to60-8 28 19 | 8/28/19 | 1030 | | S | 1 | | X | |
| -51 | J6-SC1b-60to70-8 28 19 | 8/28/19 | 1035 | | S | 1 | | X | |
| | J6-SC1b-70to80-8 28 19 | 8/28/19 | 1040 | | S | 1 | | X | |
| -53 | J6-SC1b-80to90-8 28 19 | 8/28/19 | 1155 | | S | 1 | | X | |
| | J6-SC1b-90to100-8 28 19 | 8/28/19 | 1200 | | S | 1 | | X | |
| -55 | J6-SC1b-100to110-8 28 19 | 8/28/19 | 1205 | | S | 1 | | X | |
| | J6-SC1b-110to120-8 28 19 | 8/28/19 | 1210 | | S | 1 | | X | |
| -57 | J6-SC1b-00to10-82719 | 8/27/19 | 1930 | | S | 1 | | X | |
| | J6-SC1b-10to20-82719 | 8/27/19 | 1935 | | S | 1 | | X | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

*Possible Hazard Identification*
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | PGG | 9/3/2019 1210 | B. Hall | SEATT | 9.3.19 1500 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |



10/14/2019

[redacted] Other TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date: 8/27/2019 | COC No: |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | 7 of 8 COCs |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | *standard* | | | |
| 206 329 0141 Phone | TAT if different from Below ____ | | | SDG No. |
| 206 329 6968 FAX | [x] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| | Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | PCB congeners (1668C) | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|
| -59 | R4-SC1b-20to30-8[28]19 | 8/28/19 | 1400 | | S | 1 | | | |
| | R4-SC1b-30to40-8[28]19 | 8/28/19 | 1405 | | S | 1 | | | |
| -61 | R4-SC1b-40to50-8[28]19 | 8/28/19 | 1510 | | S | 1 | | | |
| | R4-SC1b-50to60-8[28]19 | 8/28/19 | 1520 | | S | 1 | | | |
| -63 | R4-SC1b-60to70-8[28]19 | 8/28/19 | 1550 | | S | 1 | | | |
| | R4-SC1b-70to80-8[28]19 | 8/28/19 | 1555 | | S | 1 | | | |
| -65 | R4-SC1b-80to90-8[28]19 | 8/28/19 | 1630 | | S | 1 | | | |
| | R4-SC1b-90to100-8[28]19 | 8/28/19 | 1640 | | S | 1 | | | |
| | [redacted] | | | | | | | | |
| -67 | R4-SC1b-10to20-8[28]19 | 8/28/19 | 1355 | | S | 1 | | | |
| | | 8/ /19 | | | S | 1 | | | |
| | | 8/ /19 | | | S | 1 | | | |

**Preservation Used:** 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

***Possible Hazard Identification***

[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* *Poison B* [ ] *Unknown* [ ]

***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)***

[ ] *Return To Client* [ ] *Disposal By Lab* [x] *Archive For* ____ *Months*

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| [signature] | PGG | 9/3/2019 1210 | B. Hall | SEA TA | 9.3.19 1500 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |



10/14/2019

Other TA

# Chain of Custody Record

88908

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date:8/__/2019 | COC No: 7 of 8 COCs |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | Job No. 2006-00115 |
| Pacific Groundwater Group | Analysis Turnaround Time | | | |
| 2377 Eastlake Ave E, Seattle WA 98102 | *standard* | | | SDG No. |
| 206 329 0141 Phone | TAT if different from Below | | | |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | PCB Congeners 1668A | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|
| R4-SC1b-100to110-8[28]19 | 8/28/19 | 1700 | | S | 1 | X | X | |
| -69 R4-SC1b-110to120-8[28]19 | 8/28/19 | 1710 | | S | 1 | X | X | |
| R4-SC1b-120to130-8[28]19 | 8/28/19 | 1820 | | S | 1 | X | X | |
| [illegible] | [illegible] | [illegible] | | [illegible] | 1 | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | | [illegible] | 1 | [illegible] | [illegible] | |
| -71 413-SC1b-40to50-82819 | 8/28/19 | 1045 | | S | 1 | X | X | |
| [illegible] | [illegible] | [illegible] | | [illegible] | 1 | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | | [illegible] | 1 | [illegible] | [illegible] | |
| R4-SC1b-130to140-82819 | 8/28/19 | 1825 | | S | 1 | X | X | |
| -73 R4-SC1b-140to150-82819 | 8/28/19 | 1830 | | S | 1 | X | X | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

*Possible Hazard Identification*
[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| [signature] | PGG | 9/3/2019 1210 | B. Hall | SEA TA | 9.3.19 1500 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |



10/14/2019

ALS Environmental

TA

# CHAIN OF CUSTODY

Sediment and Tissue Chemistry

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • FAX (360) 636-1068

PAGE 8 OF 8 SR#: 88908 COC#

PROJECT NAME

PROJECT NUMBER

PROJECT MANAGER

COMPANY NAME

ADDRESS

CITY/STATE/ZIP

E-MAIL ADDRESS

PHONE # FAX #

SAMPLER'S SIGNATURE

| SAMPLE I.D. | DATE | TIME | LAB I.D. | MATRIX | NUMBER OF CONTAINERS | ☐ Total Volatile Solids ☐ Total Solids | TOC ☐ (ASTM D4129M) ☐ PSEP | Grain Size ☐ PSEP ☐ ASTMD422 | Sulfide ☐ Total (9030M) ☐ PSEP ☐ Water Soluble | ☐ AVS ☐ SEM (metals list below) | Ammonia ☐ Total (350.1M) ☐ Plumb ☐ Pore Water | Metals (list below) | Pesticides (8081) | PCBs (8082) ☐ Aroclors X Congeners 1668A | Semivolatiles ☐ GC/MS SIM (PAH) ☐ 8270-L | Organotins ☐ Bulk ☐ Pore Water ☐ TBT only | Volatiles (8260) | Dioxins ☐ 1613 ☐ 8290 | TPH ☐ GRO ☐ DRO ☐ RRO | ☐ Lipids | Tissue Sample Preparations (Instructions below) | Archive / Hold | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 711-82719 | 8/27/19 | 0840 | | A | | | | | | | | | X | | | | | | | | | | | | |
| 712-82819 | 8/27/19 | 0820 | | A | | | | | | | | | | | | | | | | | | X | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | |

**REPORT REQUIREMENTS**

- ___ I. Routine Report: Method Blank, Surrogate, as required
- ___ II. Report Dup., MS, MSD as required
- ___ III. CLP Like Summary (no raw data)
- ___ IV. Data Validation Report
- ___ V. EDD

**INVOICE INFORMATION**

P.O. #

Bill To:

**TURNAROUND REQUIREMENTS**

___ 24 hr. ___ 48 hr.

___ 5 day

___ Standard (15 working days)

Requested Report Date

Circle which metals are to be analyzed:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMS Metals: | As | Cd | Cr | Cu | Pb | Hg | Ag | Zn | | | | | | | | | | | | | | | | | | | | | | | | |
| CA Metals: | Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Se | Zn | | | | | | | | | | | | | | | | | | | | | | |
| SEM Metals: | Cd | Cu | Pb | Hg | Ni | Zn | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Metals: | Al | As | Sb | Ba | Be | B | Ca | Cd | Co | Cr | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Ag | Na | Se | Sr | Tl | Sn | V | Zn | Hg | | | | |

SPECIAL INSTRUCTIONS/COMMENTS:

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

| RELINQUISHED BY: | | RECEIVED BY: | | RELINQUISHED BY: | | RECEIVED BY: | |
|---|---|---|---|---|---|---|---|
| Signature | Date/Time 9/3/2019 1210 | Signature B. Gell | Date/Time 9.3.19 1500 | Signature | Date/Time | Signature | Date/Time |
| David Wampler | PGG | B. Gell | SCA TM | | | | |
| Printed Name | Firm | Printed Name | Firm | Printed Name | Firm | Printed Name | Firm |



10/14/2019

Other AM 19I0008 COPY

# Chain of Custody Record

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date:8/ /2019 | COC No: 7 of 8 COCs |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | Job No. 2006-00115 |
| Pacific Groundwater Group | Analysis Turnaround Time | | | |
| 2377 Eastlake Ave E, Seattle WA 98102 | standard | | | SDG No. |
| 206 329 0141 Phone | TAT if different from Below | | | |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | 8082A Aroclor TPC Shaded | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|
| R4-SC1b-100to110-8[28]19 | 8/28/19 | 1700 | | S | 1 | XXX | | |
| R4-SC1b-110to120-8[28]19 | 8/28/19 | 1710 | | S | 1 | XXX | | |
| R4-SC1b-120to130-8[28]19 | 8/28/19 | 1820 | | S | 1 | XXX | | |
| [illegible] | | | | | | | | |
| [illegible] | | | | | | | | |
| 413-SC1b-40to50-82819 | 8/28/19 | 1045 | | S | 1 | XX | | |
| [illegible] | | | | | | | | |
| [illegible] | | | | | | | | |
| R4-SC1b-130to140-82819 | 8/28/19 | 1825 | | S | 1 | XXX | | |
| R4-SC1b-140to150-82819 | 8/28/19 | 1830 | | S | 1 | XXX | | |
| | 8/ /19 | | | S | 1 | | | |
| | 8/ /19 | | | S | 1 | | | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

*Possible Hazard Identification*

[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*

[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| [signature] | PGG | 9/3/2019 1210 | [signature] | ARI | 9/3/19 1430 |
| [signature] | ARI | 9/5/19 1002 | M. Elaine Walter | ETA | 9/5/19 1670 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

Other ARI 19I00008

COPY

# Chain of Custody Record

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date: 8/29/2019 | COC No: |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | 4 of 8 COCs |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | standard | | | |
| 206 329 0141 Phone | TAT if different from Below | | | SDG No. |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Aroclor 8082A | TOC SM9060 | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|
| H3-SC1b-20to30-8[illegible]19 | 8/28/19 | 2015 | | S | 1 | X | X | | |
| H3-SC1b-30to40-8[illegible]19 | 8/29/19 | [illegible] 0825 | | S | 1 | X | X | | |
| H3-SC1b-40to50-829 19 | 8/29/19 | 0830 | | S | 1 | X | X | | |
| H3-SC1b-50to60-829 19 | 8/29/19 | 0835 | | S | 1 | X | X | | |
| H3-SC1b-60to70-829 19 | 8/29/19 | 0900 | | S | 1 | X | X | | |
| H3-SC1b-70to80-829 19 | 8/29/19 | 0905 | | S | 1 | X | X | | |
| H3-SC1b-80to90-829 19 | 8/29/19 | 0930 | | S | 1 | X | X | | |
| H3-SC1b-90to100-829 19 | 8/29/19 | 0935 | | S | 1 | X | X | | |
| H3-SC1b-100to110-829 19 | 8/29/19 | 0950 | | S | 1 | X | X | | |
| H3-SC1b-00to10-828 19 | 8/28/19 | 2005 | | S | 1 | [illegible] | | X | |
| H3-SC1b-10-20-828 19 | 8/28/19 | 2010 | | S | 1 | | | X | |
| | 8/ /19 | | | S | 1 | | | | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

*Possible Hazard Identification*

[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*

[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| [signature] | PGG | 9/3/2019 1210 | [signature] | ARI | 9/3/19 1430 |
| Relinquished by: [signature] | Company: ARI | Date/Time: 9/5/19 1002 | Received by: M. Elaine Walker | Company: ESA | Date/Time: 9/5/19 1010 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

Other ARI 19I0008

# Chain of Custody Record

| Client Contact | Project Manager: Janet Knox | Site Contact/Sampler: Jeff Parker | Date: 8/27/2019 – 8/28/2019 | COC No: |
|---|---|---|---|---|
| Jeff Parker & Janet Knox | Tel/Fax: | Lab Contact: | Carrier: | 5 of 8 COCs |
| Pacific Groundwater Group | Analysis Turnaround Time | | | Job No. 2006-00115 |
| 2377 Eastlake Ave E, Seattle WA 98102 | standard | | | |
| 206 329 0141 Phone | TAT if different from Below | | | SDG No. |
| 206 329 6968 FAX | [X] standard | | | |
| Swan Island Lagoon Sediment Investigation | [ ] 1 week | | | |
| Site: | [ ] 2 days | | | |
| P O # | [ ] 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | 8082A Aroclor | TOC SW9060 | Archive | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|
| J6-SC1b-20to30-8 28 19 | 8/28/19 | 0920 | | S | 1 | X | X | | |
| J6-SC1b-30to40-8 28 19 | 8/28/19 | 0925 | | S | 1 | X | X | | |
| J6-SC1b-40to50-8 28 19 | 8/28/19 | 1025 | | S | 1 | X | X | | |
| J6-SC1b-50to60-8 28 19 | 8/28/19 | 1030 | | S | 1 | X | X | | |
| J6-SC1b-60to70-8 28 19 | 8/28/19 | 1035 | | S | 1 | X | X | | |
| J6-SC1b-70to80-8 28 19 | 8/28/19 | 1040 | | S | 1 | X | X | | |
| J6-SC1b-80to90-8 28 19 | 8/28/19 | 1155 | | S | 1 | X | X | | |
| J6-SC1b-90to100-8 28 19 | 8/28/19 | 1200 | | S | 1 | X | X | | |
| J6-SC1b-100to110-8 28 19 | 8/28/19 | 1205 | | S | 1 | X | X | | |
| J6-SC1b-110to120-8 28 19 | 8/28/19 | 1210 | | S | 1 | X | X | | |
| J6-SC1b-00to10-82719 | 8/27/19 | 1930 | | S | 1 | | | X | |
| J6-SC1b-10to20-82719 | 8/27/19 | 1935 | | S | 1 | | | X | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

*Possible Hazard Identification*

[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant Poison B [ ] Unknown [ ]

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*

[ ] Return To Client [ ] Disposal By Lab [X] Archive For _____ Months

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| | PGG | 9/3/2019 1210 | | ARI | 9/3/19 1430 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | ARI | 9/5/19 1002 | M. Elaine Walker | LDA | 9/5/19 1070 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |

**Eurofins TestAmerica, Seattle**
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 253-922-5047

# Chain of Custody Record

580-88908 Chain of Custody

ins | Environment Testing TestAmerica

| | | | | |
|---|---|---|---|---|
| **Client Information (Sub Contract Lab)** | Sampler: | Lab PM: Walker, Elaine M | | 3.1 |
| Client Contact: Shipping/Receiving | Phone: | E-Mail: elaine.walker@testamericainc.com | State of Origin: Washington | Page: Page 1 of 2 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): | | Job #: 580-88908-1 |
| Address: 5815 Middlebrook Pike, , | Due Date Requested: 9/10/2019 | | | |
| City: Knoxville | TAT Requested (days): | | | |
| State, Zip: TN, 37921 | | | | |
| Phone: 865-291-3000(Tel) 865-584-4315(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: Swan Island Lagoon Sediment Investigatio | Project #: 58013007 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

| | |
|---|---|
| A - HCL | M - Hexane |
| B - NaOH | N - None |
| C - Zn Acetate | O - AsNaO2 |
| D - Nitric Acid | P - Na2O4S |
| E - NaHSO4 | Q - Na2SO3 |
| F - MeOH | R - Na2S2O3 |
| G - Amchlor | S - H2SO4 |
| H - Ascorbic Acid | T - TSP Dodecahydrate |
| I - Ice | U - Acetone |
| J - DI Water | V - MCAA |
| K - EDTA | W - pH 4-5 |
| L - EDA | Z - other (specify) |

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1668A/1668_P_Sox (MOD) 209 PCBs plus Totals | Screen_1668/Screen_PCB_P_S | Moisture | 1668A/1668_P_Sep 209 PCBs plus Totals | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | | |
| J5-SC1b-20to30-82719 (580-88908-26) | 8/27/19 | 14:55 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-30to40-82719 (580-88908-27) | 8/27/19 | 15:00 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-40to50-82719 (580-88908-28) | 8/27/19 | 16:10 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-50to60-82719 (580-88908-29) | 8/27/19 | 16:15 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-60to70-82719 (580-88908-30) | 8/27/19 | 16:20 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-70to80-82719 (580-88908-31) | 8/27/19 | 16:25 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-80to90-82719 (580-88908-32) | 8/27/19 | 17:25 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-90to100-82719 (580-88908-33) | 8/27/19 | 17:30 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-100to110-82719 (580-88908-34) | 8/27/19 | 17:35 Pacific | | Solid | | | X | X | X | | 1 | |

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

| | |
|---|---|
| ***Possible Hazard Identification*** *Unconfirmed* | ***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| | | | |
|---|---|---|---|
| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |

| | | | | | | |
|---|---|---|---|---|---|---|
| Relinquished by: Tom Blankenship | Date/Time: 9/6/19 | Company TA-Sea | Received by: | Date/Time: 9/7/19 0920 | Company ETA |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| | | |
|---|---|---|
| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |

Ver: 01/16/2019



10/14/2019

**Eurofins TestAmerica, Seattle**
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 253-922-5047

# Chain of Custody Record

eurofins | Environment Testing TestAmerica

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Walker, Elaine M | Carrier Tracking No(s): | COC No: 580-69668.2 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: elaine.walker@testamericainc.com | State of Origin: Washington | Page: Page 2 of 2 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): | | Job #: 580-88908-1 |
| Address: 5815 Middlebrook Pike, , | Due Date Requested: 9/10/2019 | | | |
| City: Knoxville | TAT Requested (days): | | | |
| State, Zip: TN, 37921 | | | | |
| Phone: 865-291-3000(Tel) 865-584-4315(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: Swan Island Lagoon Sediment Investigatio | Project #: 58013007 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

| | |
|---|---|
| A - HCL | M - Hexane |
| B - NaOH | N - None |
| C - Zn Acetate | O - AsNaO2 |
| D - Nitric Acid | P - Na2O4S |
| E - NaHSO4 | Q - Na2SO3 |
| F - MeOH | R - Na2S2O3 |
| G - Amchlor | S - H2SO4 |
| H - Ascorbic Acid | T - TSP Dodecahydrate |
| I - Ice | U - Acetone |
| J - DI Water | V - MCAA |
| K - EDTA | W - pH 4-5 |
| L - EDA | Z - other (specify) |

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1668A/1668_P_Sox (MOD) 209 PCBs plus Totals | Screen_1668/Screen_PCB_P_S | Moisture | 1668A/1668_P_Sep 209 PCBs plus Totals | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | | |
| J5-SC1b-00to10-82719 (580-88908-35) | 8/27/19 | 14:45 Pacific | | Solid | | | X | X | X | | 1 | |
| J5-SC1b-10to20-82719 (580-88908-36) | 8/27/19 | 14:50 Pacific | | Solid | | | X | X | X | | 1 | |
| 711-82719 (580-88908-74) | 8/27/19 | 08:40 Pacific | | Water | | | | | | X | 2 | |

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | Tom B | 9/6/19 | | | 9/7/19 0920 | ETA |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver: 01/16/2019



10/14/2019

Loc: 580
88908

**EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST** **Log In Number:**

| Review Items | Yes | No | NA | If No, what was the problem? |
|---|---|---|---|---|
| 1. Are the shipping containers intact? | / | | | ☐ **Containers, Broken** |
| 2. Were ambient air containers received intact? | | | / | ☐ Checked in lab |
| 3. The coolers/containers custody seal if present, is it intact? | / | | | ☐ Yes ☐ NA |
| 4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID : SC68 Correction factor: 0.0 | / | | | ☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt** |
| 5. Were all of the sample containers received intact? | / | | | ☐ **Containers, Broken** |
| 6. Were samples received in appropriate containers? | / | | | ☐ **Containers, Improper; Client Contacted; Proceed/Cancel** |
| 7. Do sample container labels match COC? (IDs, Dates, Times) | / | | | ☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received** |
| 8. Were all of the samples listed on the COC received? | / | | | ☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received** |
| 9. Is the date/time of sample collection noted? | / | | | ☐ **COC; No Date/Time; Client Contacted** |
| 10. Was the sampler identified on the COC? | | | / | ☐ **Sampler Not Listed on COC** |
| 11. Is the client and project name/# identified? | / | | | ☐ **COC Incorrect/Incomplete** |
| 12. Are tests/parameters listed for each sample? | / | | | ☐ **COC No tests on COC** |
| 13. Is the matrix of the samples noted? | / | | | ☐ **COC Incorrect/Incomplete** |
| 14. Was COC relinquished? (Signed/Dated/Timed) | / | | | ☐ **COC Incorrect/Incomplete** |
| 15. Were samples received within holding time? | / | | | ☐ **Holding Time - Receipt** |
| 16. Were samples received with correct chemical preservative (excluding Encore)? | | | / | ☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative** |
| 17. Were VOA samples received without headspace? | | | / | ☐ **Headspace (VOA only)** |
| 18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: 7194 2020/04 | / | | | ☐ **Residual Chlorine** |
| 19. For 1613B water samples is pH<9? | | | / | ☐ If no, notify lab to adjust |
| 20. For rad samples was sample activity info. Provided? | | | / | ☐ Project missing info |

**Comments/Actions Taken**

RT: 0.9°c CT: 0.9°c
1 cooler, Fedex Po
trk# 1184 0754 7311
Custody seal intact
RC-ND, KW 9/7/19

**Labeling Verified by:** **Date:**

**pH test strip lot number:**

| | Box 16A: pH Preservation | Box 18A: Residual Chlorine |
|---|---|---|
| Preservative: | | |
| Lot Number: | | |
| Exp Date: | | |
| Analyst: | | |
| Date: | | |
| Time: | | |

Project #: _____ PM Instructions: _____

Sample Receiving Associate: KE Lwk Date: 9/7/19

QA026R32.doc, 062719



10/14/2019

# Login Sample Receipt Checklist

Client: Pacific Groundwater Group

Job Number: 580-88908-1

**Login Number: 88908**
**List Number: 1**
**Creator: Blankinship, Tom X**

**List Source: Eurofins TestAmerica, Seattle**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | False | Refer to Job Narrative for details. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | False | Refer to Job Narrative for details. |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |